

Seychelles Test Drive

Takamaka Phase-2 Report

Phase-1 Dates- 09th Oct 2024



Route Name: Mahe

District Name: Takamaka

Region: Southern

Island: Mahé

Drive Test Distance: 31.24 kms

Drive Test Duration: 01 hours,56 minutes,23 seconds

Phase-2 Dates- 28th Oct 2024



Route Name: Mahe

District Name: Takamaka

Region: Southern

Island: Mahé

Drive Test Distance: 33.24 kms

Drive Test Duration: 01 hours,55 minutes,10 seconds

Phase-1

Short Call Findings:

- The Call Setup Success Rate for Airtel is (95.56%), while for Operator CWS it is (95.28%).
- The Call Setup Time for Airtel is (6.71s) , while for Operator CWS it is (9.66s)

Long Call Findings :

- The Call Retainability for Airtel is (94.12%), while for CWS it is (94.12%).
- The MOS quality observed for Airtel is (3.11), and for CWS, it is (3.44).

Phase-2

Short Call Findings:

- The Call Setup Success Rate for Airtel is (93.57%), while for Operator CWS it is (96.30%).
- The Call Setup Time for Airtel is (6.23s), while for Operator CWS it is (9.32s)

Long Call Findings :

- The Call Retainability for Airtel is (91.43%), while for CWS it is (90.63%).
- The MOS quality observed for Airtel is (3.15), and for CWS, it is (3.36).

Phase-1

4G Preferred Data Findings:

- Airtel SFTP DL is (13.40 Mbps), while SFTP UL is (5.42 Mbps), CWS SFTP DL is (5.89 Mbps), while SFTP UL is (3.66 Mbps)
- Airtel HTTP DL is (18.07 Mbps), HTTP Capacity DL is (53.98 Mbps) ,HTTP UL is (9.32 Mbps) , and HTTP Capacity UL is (18.95 Mbps).
- CWS HTTP DL is (8.17 Mbps), HTTP Capacity DL is (22.98 Mbps) ,HTTP UL is (6.39 Mbps) , and HTTP Capacity UL is (15.47 Mbps).
- On live web page testing for browsing, www.shein.com took (6.73s), www.nbs.gov.sc took (17.63s), and www.sbc.sc took (18.24s) on Airtel.
- On live web page testing for browsing, www.shein.com took (6.29s), www.nbs.gov.sc took (16.44s), and www.sbc.sc took (16.95s) on CWS.
- On static browsing, Kepler Webpage took (4.76s), and Kepler Mobile took (2.23s) on Airtel.
- On static browsing, Kepler Webpage took (4.94s), and Kepler Mobile took (2.66s) on CWS.
- YouTube average resolution in Airtel is (1080.00) pixels.
- YouTube average resolution in CWS is (1056.04) pixels.
- Airtel scored 41.70% in Carrier Aggregation (CA).
- CWS scored 15.30% in Carrier Aggregation (CA).

Phase-2

4G Preferred Data Findings:

- Airtel SFTP DL is (14.03 Mbps), while SFTP UL is (7.27 Mbps), CWS SFTP DL is (4.73 Mbps), while SFTP UL is (3.26 Mbps)
- Airtel HTTP DL is (18.32 Mbps), HTTP Capacity DL is (62.62 Mbps) ,HTTP UL is (11.65 Mbps) , and HTTP Capacity UL is (23.63 Mbps).
- CWS HTTP DL is (5.46 Mbps), HTTP Capacity DL is (24.22 Mbps) ,HTTP UL is (5.15 Mbps) , and HTTP Capacity UL is (22.09 Mbps).
- On live web page testing for browsing, www.shein.com took (9.38s), www.nbs.gov.sc took (17.36s), and www.sbc.sc took (16.54s) on Airtel.
- On live web page testing for browsing, www.shein.com took (9.16s), www.nbs.gov.sc took (15.87s), and www.sbc.sc took (19.96s) on CWS.
- On static browsing, Kepler Webpage took (4.46s), and Kepler Mobile took (1.88s) on Airtel.
- On static browsing, Kepler Webpage took (6.01s), and Kepler Mobile took (3.14s) on CWS.
- YouTube average resolution in Airtel is (1060.08) pixels.
- YouTube average resolution in CWS is (965.25) pixels.
- Airtel scored 45.16% in Carrier Aggregation (CA).
- CWS scored 16.51% in Carrier Aggregation (CA).

Phase-1

3G Preferred Data Test Findings:

- Airtel SFTP DL is (3.72 Mbps), while SFTP UL is (1.80 Mbps), CWS SFTP DL is (3.56 Mbps), while SFTP UL is (1.19 Mbps)
- Airtel HTTP DL is (3.84 Mbps), HTTP Capacity DL is (4.71 Mbps) ,HTTP UL is (2.72 Mbps) , and HTTP Capacity UL is (5.28 Mbps).
- CWS HTTP DL is (2.87 Mbps), HTTP Capacity DL is (6.76 Mbps) ,HTTP UL is (1.51 Mbps) , and HTTP Capacity UL is (4.28 Mbps).
- On live web page testing for browsing, www.shein.com took (11.19s), www.nbs.gov.sc took (14.21s), and www.sbc.sc took (14.39s) on Airtel.
- On live web page testing for browsing, www.shein.com took (10.25s), www.nbs.gov.sc took (9.54s), and www.sbc.sc took (11.43s) on CWS.
- On static browsing, Kepler Webpage took (5.16s), and Kepler Mobile took (2.41s) on Airtel.
- On static browsing, Kepler Webpage took (5.48s), and Kepler Mobile took (3.22s) on CWS.
- YouTube average resolution in Airtel is (1027.19) pixels.
- YouTube average resolution in CWS is (1048.85) pixels.

Phase-2

3G Preferred Data Test Findings:

- Airtel SFTP DL is (4.91 Mbps), while SFTP UL is (1.61 Mbps), CWS SFTP DL is (3.81 Mbps), while SFTP UL is (1.17 Mbps)
- Airtel HTTP DL is (4.73 Mbps), HTTP Capacity DL is (6.51 Mbps) ,HTTP UL is (2.91 Mbps) , and HTTP Capacity UL is (5.34 Mbps).
- CWS HTTP DL is (3.41 Mbps), HTTP Capacity DL is (9.58 Mbps) ,HTTP UL is (1.46 Mbps) , and HTTP Capacity UL is (4.41 Mbps).
- On live web page testing for browsing, www.shein.com took (9.92s), www.nbs.gov.sc took (11.00s), and www.sbc.sc took (13.41s) on Airtel.
- On live web page testing for browsing, www.shein.com took (11.03s), www.nbs.gov.sc took (7.85s), and www.sbc.sc took (9.68s) on CWS.
- On static browsing, Kepler Webpage took (6.13s), and Kepler Mobile took (2.24s) on Airtel.
- On static browsing, Kepler Webpage took (5.67s), and Kepler Mobile took (2.32s) on CWS.
- YouTube average resolution in Airtel is (1075.80) pixels.
- YouTube average resolution in CWS is (1052.35) pixels.

Short Call

Call Duration	10 Seconds
Setup and Release phase	30 seconds
Minimum pause between calls	30 seconds

Long Call

Call Duration	120 Seconds
Setup and Release phase	30 seconds
Minimum between calls	30 seconds

DATA	Test Type and Timeout	Technology 3G Preferred	Technology 4G Preferred
POP always on. ICMP PAYLOAD PING 800 BYTES			
1	FILE TRANSFER DOWNLOAD	FTP DL (3MB)	FTP DL (5MB)
	135s	wait 10s	wait 10s
2	FILE TRANSFER UPLOAD	FTP UL (1MB)	FTP UL (3MB)
	135s	wait 10s	wait 10s
3	FILE TRANSFER DOWNLOAD	HTTP Get (3MB)	HTTP Get (5MB)
	135s	wait 10s	wait 10s
4	FILE TRANSFER UPLOAD	HTTP Put (1MB)	HTTP Put (3MB)
	135s	wait 10s	wait 10s
5	ICMP PING 32 BYTES	Ping (32 bytes) *5	Ping (32 bytes) *5
		wait 10s	wait 10s
6	YOUTUBE STREAMING	Video: YouTube 60sec	Video: YouTube 60sec
	95 seconds	wait 10s	wait 10s
7	KEPLER WEB BROWSING	HTTPS Browsing: Kepler	HTTPS Browsing: Kepler
	45s	wait 10s	wait 10s
8	LIVE WEB BROWSING	www.shein.com, www.nbs.gov.sc, www.sbc.sc	www.shein.com, www.nbs.gov.sc, www.sbc.sc
	45s	wait 10s	wait 10s
9	KEPLER MOBILE WEB BROWSING	HTTPS Browsing: Kepler Mobile	HTTPS Browsing: Kepler Mobile
	45s	wait 10s	wait 10s
10	ICMP PING 32 BYTES	Ping (32 bytes) 5 www.google.com	Ping (32 bytes) 5 www.google.com
		wait 10s	wait 10s
11	FILE TRANSFER-CAPACITY DOWNLOAD	HTTP Get (500MB) Multiple files	HTTP Get (500MB) Multiple files
	10s fixed duration	wait 10s	wait 10s
12	FILE TRANSFER-CAPACITY UPLOAD	HTTP Put (500MB)-Multiple Files	HTTP Put (500MB)-Multiple Files
	10s fixed duration	wait 10s	wait 10s

VOICE TEST KPI STATISTICS (Short Call)

Phase-1

Short Call Statistics		
Short Call Scenario	Operator 1	Operator 2
Voice KPIs	Airtel	CWS
Call Attempt	135	127
Call Failed	6	6
Call Connected	129	121
CSSR[%]	95.56	95.28
USCSR[%]	4.44	4.72
CST [s] Alerting	6.71	9.66
CST [s]Connected	6.96	9.84

CSSR= Call Setup Success rate
 USCSR=Unsuccessful call setup ratio
 CST=Call setup time
 Call Setup Success Ratio >97%
 CRR= Call retainability ratio
 DCR=Dropped-call rate
 MOS=Mean Opinion Score
 Drop Call Ratio<2

Call Setup Time (s)	Operators		Rank	
	Airtel	CWS	Airtel	CWS
Overall CST (until ringing/alerting)	6.71	9.66	1	2
CS calls CST (until ringing/alerting)	7.46	7.67	1	2
CSFB calls CST (until ringing/alerting)	6.60	9.92	1	2
Overall CST (until Connect/Connect Acknowledge)	6.96	9.84	1	2
CS calls CST (until Connect/Connect Acknowledge)	7.67	7.80	1	2
CSFB calls CST (until Connect/Connect Acknowledge)	6.86	10.11	1	2

Phase-2

Short Call Statistics		
Short Call Scenario	Operator 1	Operator 2
Voice KPIs	Airte	CWS
Call Attempt	140	135
Call Failed	9	5
Call Connected	131	130
CSSR[%]	93.57	96.30
USCSR[%]	6.43	3.70
CST [s] Alerting	6.23	9.32
CST [s]Connected	6.50	9.45

Call Setup Time (s)	Operators		Rank	
	Airtel	CWS	Airtel	CWS
Overall CST (until ringing/alerting)	6.23	9.32	1	2
CS calls CST (until ringing/alerting)	6.02	11.80	1	2
CSFB calls CST (until ringing/alerting)	6.35	8.95	1	2
Overall CST (until Connect/Connect Acknowledge)	6.50	9.45	1	2
CS calls CST (until Connect/Connect Acknowledge)	6.33	11.60	1	2
CSFB calls CST (until Connect/Connect Acknowledge)	6.61	9.15	1	2

Phase-1

Long Call Statistics				
Long Call Scenario		Operator 1		Operator 2
Voice KPIs		Airtel		CWS
Call Connected		34		34
Call Dropped		2		2
Call Completed		32		32
CRR[%]		94.12		94.12
DCR[%]		5.88		5.88
MOS		3.11		3.44
	Airtel short call	CWS short call	Airtel long call	CWS long call
CSFB Calls	116	108	29	32
CS Calls	19	19	5	2
Handover Statistics		Airtel MO	CWS MO	
Handover Attempt		14	68	
Handover Failure		0	0	
Handover Success		14	68	
HOSR %		100.00	100.00	

Phase-2

Long Call Statistics				
Long Call Scenario		Operator 1		Operator 2
Voice KPIs		Airte		CWS
Call Connected		35		32
Call Dropped		3		3
Call Completed		32		29
CRR[%]		91.43		90.63
DCR[%]		8.57		9.38
MOS		3.15		3.36
	Airtel short call	CWS short call	Airtel long call	CWS long call
CSFB Calls	85	115	29	31
CS Calls	55	20	6	1
Handover Statistics		Airtel MO	CWS MO	
Handover Attempt		10	69	
Handover Failure		1	1	
Handover Success		9	68	
HOSR %		90.00	98.55	

		Phase-1				Phase-2			
DATA Scenario		Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)	Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	13.40	5.89	1	2	14.03	4.73	1	2
	SFTP UL(Mbps)	5.42	3.66	1	2	7.27	3.26	1	2
	HTTP DL(Mbps)	18.07	8.17	1	2	18.32	5.46	1	2
	HTTP UL(Mbps)	9.32	6.39	1	2	11.65	5.15	1	2
	HTTP Capacity DL(Mbps)	53.98	22.98	1	2	62.62	24.22	1	2
	HTTP Capacity UL(Mbps)	18.95	15.47	1	2	23.63	22.09	1	2
BROWSER	Overall Browser DL Time (s)	9.91	9.40	2	1	10.05	10.75	1	2
	Kepler Webpage DL Time (s)	4.76	4.94	1	2	4.46	6.01	1	2
	Mobile Kepler Webpage DL Time (s)	2.23	2.66	1	2	1.88	3.14	1	2
	www.shein.com Webpage DL Time (s)	6.73	6.29	2	1	9.38	9.16	2	1
	www.nbs.gov.sc Webpage DL Time (s)	17.63	16.44	2	1	17.36	15.87	2	1
	www.sbc.sc Webpage DL Time (s)	18.24	16.95	2	1	16.54	19.96	1	2
LATENCY	Avg Latency (ms)	284.43	226.65	2	1	277.49	237.11	2	1
	Median Latency (ms)	258	202	2	1	390	197	2	1
YOUTUBE	YouTube Access Time (s)	5.17	1.62	2	1	5.16	2.52	2	1
	YouTube Average Resolution (pixels)	1080	1056.04	1	2	1060.08	965.25	1	2
	YouTube Success Ratio [%]	90.91	100.00	2	1	86.36	83.33	1	2



4G PREFERRED THROUGHPUT FILE ACCESS

Phase-1

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	18	18	100.00	90.00
	Failure	0	2	0.00	10.00
SFTP UL	Success	19	17	95.00	94.44
	Failure	1	1	5.00	5.56
HTTP DL	Success	19	18	100.00	90.00
	Failure	0	2	0.00	10.00
HTTP UL	Success	20	20	90.91	100.00
	Failure	2	0	9.09	0.00
HTTP Capacity DL	Success	19	20	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	17	19	85.00	95.00
	Failure	3	1	15.00	5.00

Phase-2

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	17	16	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	17	15	100.00	93.75
	Failure	0	1	0.00	6.25
HTTP DL	Success	19	17	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	18	17	81.82	100.00
	Failure	4	0	18.18	0.00
HTTP Capacity DL	Success	18	17	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	18	11	85.71	73.33
	Failure	3	4	14.29	26.67

Phase-1

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	17	20	85.00	100.00
	Failure	3	0	15.00	0.00
Mobile Kepler	Success	17	19	89.47	95.00
	Failure	2	1	10.53	5.00
www.shein.com	Success	17	19	89.47	95.00
	Failure	2	1	10.53	5.00
www.nbs.gov.sc	Success	17	19	94.44	95.00
	Failure	1	1	5.56	5.00
www.sbc.sc	Success	17	19	89.47	95.00
	Failure	2	1	10.53	5.00

Phase-2

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	18	15	94.74	83.33
	Failure	1	3	5.26	16.67
Mobile Kepler	Success	18	17	94.74	100.00
	Failure	1	0	5.26	0.00
www.shein.com	Success	21	18	100.00	100.00
	Failure	0	0	0.00	0.00
www.nbs.gov.sc	Success	19	16	90.48	88.89
	Failure	2	2	9.52	11.11
www.sbc.sc	Success	19	16	95.00	94.12
	Failure	1	1	5.00	5.88

Phase-1

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	38	38
	Average Latency [ms]	291.66	235.77
	Median Latency [ms]	296	206
	Ping session status: Successful	38	38
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	1
	Packet Loss<1%	2.56	2.56
www.google.com	Average Latency [ms]	414.89	198.76
	Median Latency [ms]	399	173
	Ping session status: Successful	19	20
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
102.133.176.104	Average Latency [ms]	168.42	270.72
	Median Latency [ms]	128	230
	Ping session status: Successful	19	18
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	1
	Packet Loss<1%	5.00	5.26

Phase-2

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	36	31
	Average Latency [ms]	276.69	283.79
	Median Latency [ms]	387	198
	Ping session status: Successful	36	31
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	0
	Packet Loss<1%	2.70	0.00
www.google.com	Average Latency [ms]	403.53	259.14
	Median Latency [ms]	398	155
	Ping session status: Successful	19	17
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
102.133.176.104	Average Latency [ms]	134.94	308.43
	Median Latency [ms]	122	210
	Ping session status: Successful	17	14
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	0
	Packet Loss<1%	5.56	0.00



4G PREFERRED YOUTUBE COMPARISON

Phase-1

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	22	20
Success(Count)	20	20
Failure(Count)	2	0
YouTube Access Time (s)	5.17	1.62
YouTube Average Resolution (pixels)	1080.00	1056.04
YouTube Success Ratio [%]	90.91	100.00

Phase-2

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	22	18
Success(Count)	19	15
Failure(Count)	3	3
YouTube Access Time (s)	5.16	2.52
YouTube Average Resolution (pixels)	1060.08	965.25
YouTube Success Ratio [%]	86.36	83.33

		Phase-1				Phase-2			
DATA Scenario		Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)	Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	3.72	3.56	1	2	4.91	3.81	1	2
	SFTP UL(Mbps)	1.80	1.19	1	2	1.61	1.17	1	2
	HTTP DL(Mbps)	3.84	2.87	1	2	4.73	3.41	1	2
	HTTP UL(Mbps)	2.72	1.51	1	2	2.91	1.46	1	2
	HTTP Capacity DL(Mbps)	4.71	6.76	2	1	6.51	9.58	2	1
	HTTP Capacity UL(Mbps)	5.28	4.28	1	2	5.34	4.41	1	2
BROWSER	Overall Browser DL Time (s)	9.63	7.93	2	1	8.59	7.34	2	1
	Kepler Webpage DL Time (s)	5.16	5.48	1	2	6.13	5.67	2	1
	Mobile Kepler Webpage DL Time (s)	2.41	3.22	1	2	2.24	2.32	1	2
	www.shein.com Webpage DL Time (s)	11.19	10.25	2	1	9.92	11.03	1	2
	www.nbs.gov.sc Webpage DL Time (s)	14.21	9.54	2	1	11.00	7.85	2	1
	www.sbc.sc Webpage DL Time (s)	14.39	11.43	2	1	13.41	9.68	2	1
LATENCY	Avg Latency (ms)	298.8	208.35	2	1	300.89	184.19	2	1
	Median Latency (ms)	403	196	2	1	401	195	2	1
YOUTUBE	YouTube Access Time (s)	3.34	2.55	2	1	3.40	2.16	2	1
	YouTube Average Resolution (pixels)	1027.19	1048.85	2	1	1075.80	1052.35	1	2
	YouTube Success Ratio [%]	68.75	70.59	2	1	73.68	61.11	1	2



3G PREFERRED THROUGHPUT FILE ACCESS

Phase-1

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
SFTP DL	Success	13	12	100.00	92.31
	Failure	0	1	0.00	7.69
SFTP UL	Success	11	12	84.62	100.00
	Failure	2	0	15.38	0.00
HTTP DL	Success	11	12	84.62	92.31
	Failure	2	1	15.38	7.69
HTTP UL	Success	11	12	68.75	70.59
	Failure	5	5	31.25	29.41
HTTP Capacity DL	Success	11	14	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	10	12	66.67	85.71
	Failure	5	2	33.33	14.29

Phase-2

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
SFTP DL	Success	15	12	100.00	85.71
	Failure	0	2	0.00	14.29
SFTP UL	Success	14	10	93.33	83.33
	Failure	1	2	6.67	16.67
HTTP DL	Success	14	13	100.00	92.86
	Failure	0	1	0.00	7.14
HTTP UL	Success	14	12	77.78	75.00
	Failure	4	4	22.22	25.00
HTTP Capacity DL	Success	15	13	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	12	15	66.67	88.24
	Failure	6	2	33.33	11.76

Phase-1

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	12	9	92.31	56.25
	Failure	1	7	7.69	43.75
Mobile Kepler	Success	10	12	100.00	80.00
	Failure	0	3	0.00	20.00
www.shein.com	Success	12	9	85.71	64.29
	Failure	2	5	14.29	35.71
www.nbs.gov.sc	Success	12	12	92.31	70.59
	Failure	1	5	7.69	29.41
www.sbc.sc	Success	11	11	91.67	64.71
	Failure	1	6	8.33	35.29

Phase-2

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	16	11	100.00	73.33
	Failure	0	4	0.00	26.67
Mobile Kepler	Success	14	12	93.33	85.71
	Failure	1	2	6.67	14.29
www.shein.com	Success	15	13	88.24	92.86
	Failure	2	1	11.76	7.14
www.nbs.gov.sc	Success	15	12	93.75	85.71
	Failure	1	2	6.25	14.29
www.sbc.sc	Success	15	12	100.00	85.71
	Failure	0	2	0.00	14.29

Phase-1

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	14	25
	Average Latency [ms]	392.93	208.4
	Median Latency [ms]	417	198
	Ping session status: Successful	14	25
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	10	1
	Packet Loss<1%	41.67	3.85
www.google.com	Average Latency [ms]	419.09	178.79
	Median Latency [ms]	418	161
	Ping session status: Successful	11	14
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
102.133.176.104	Average Latency [ms]	297	246.09
	Median Latency [ms]	124	223
	Ping session status: Successful	3	11
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	10	1
	Packet Loss<1%	76.92	8.33

Phase-2

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	19	21
	Average Latency [ms]	374.79	182.38
	Median Latency [ms]	410	152
	Ping session status: Successful	19	21
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	10	3
	Packet Loss<1%	34.48	12.50
www.google.com	Average Latency [ms]	440.53	168.00
	Median Latency [ms]	418	141
	Ping session status: Successful	15	13
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
102.133.176.104	Average Latency [ms]	128.25	205.75
	Median Latency [ms]	126	205
	Ping session status: Successful	4	8
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	10	3
	Packet Loss<1%	71.43	27.27



3G PREFERRED YOUTUBE COMPARISON

Phase-1

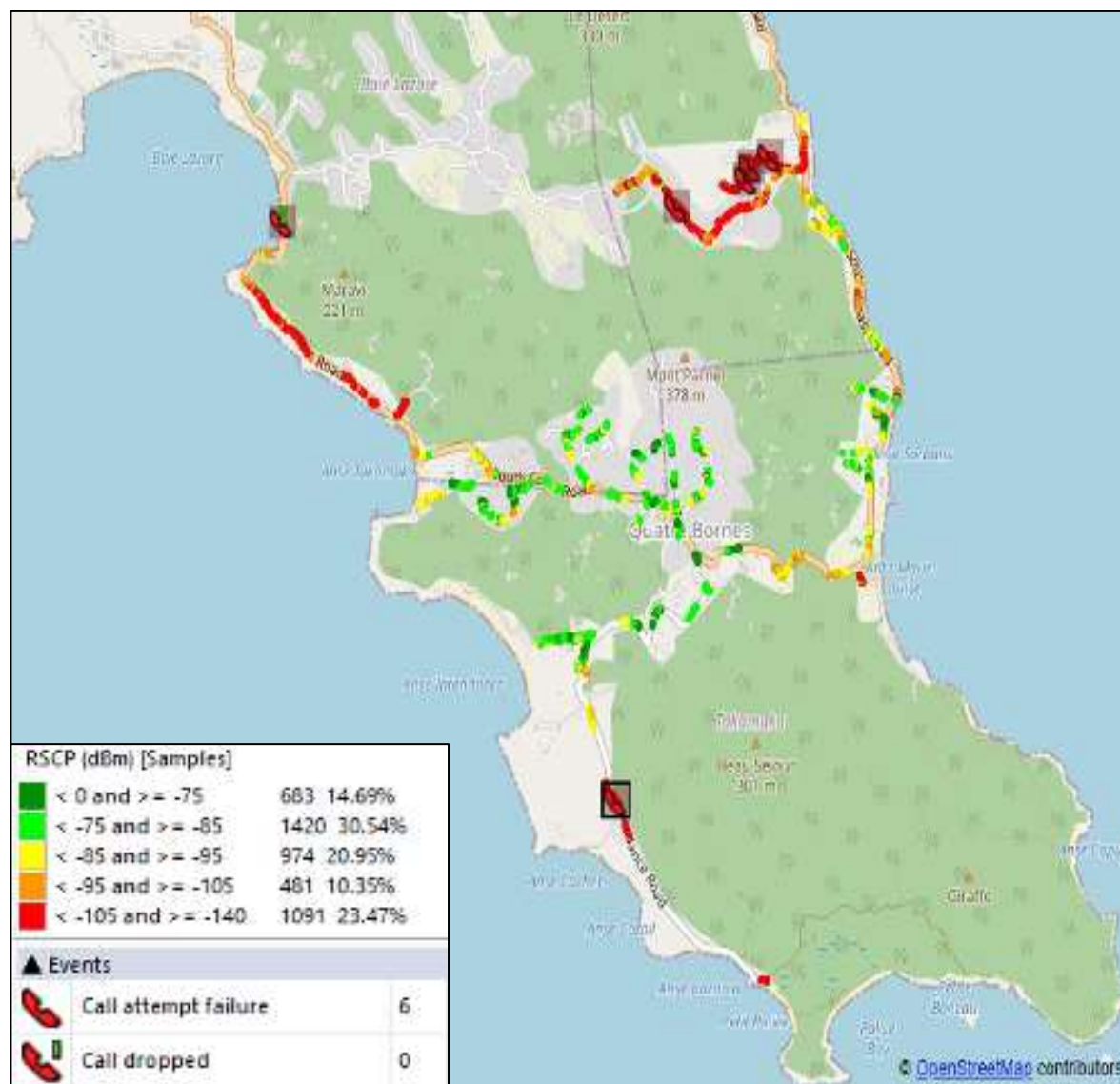
UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	16	17
Success(Count)	11	12
Failure(Count)	5	5
YouTube Access Time (s)	3.34	2.55
YouTube Average Resolution (pixels)	1027.19	1048.85
YouTube Success Ratio [%]	68.75	70.59

Phase-2

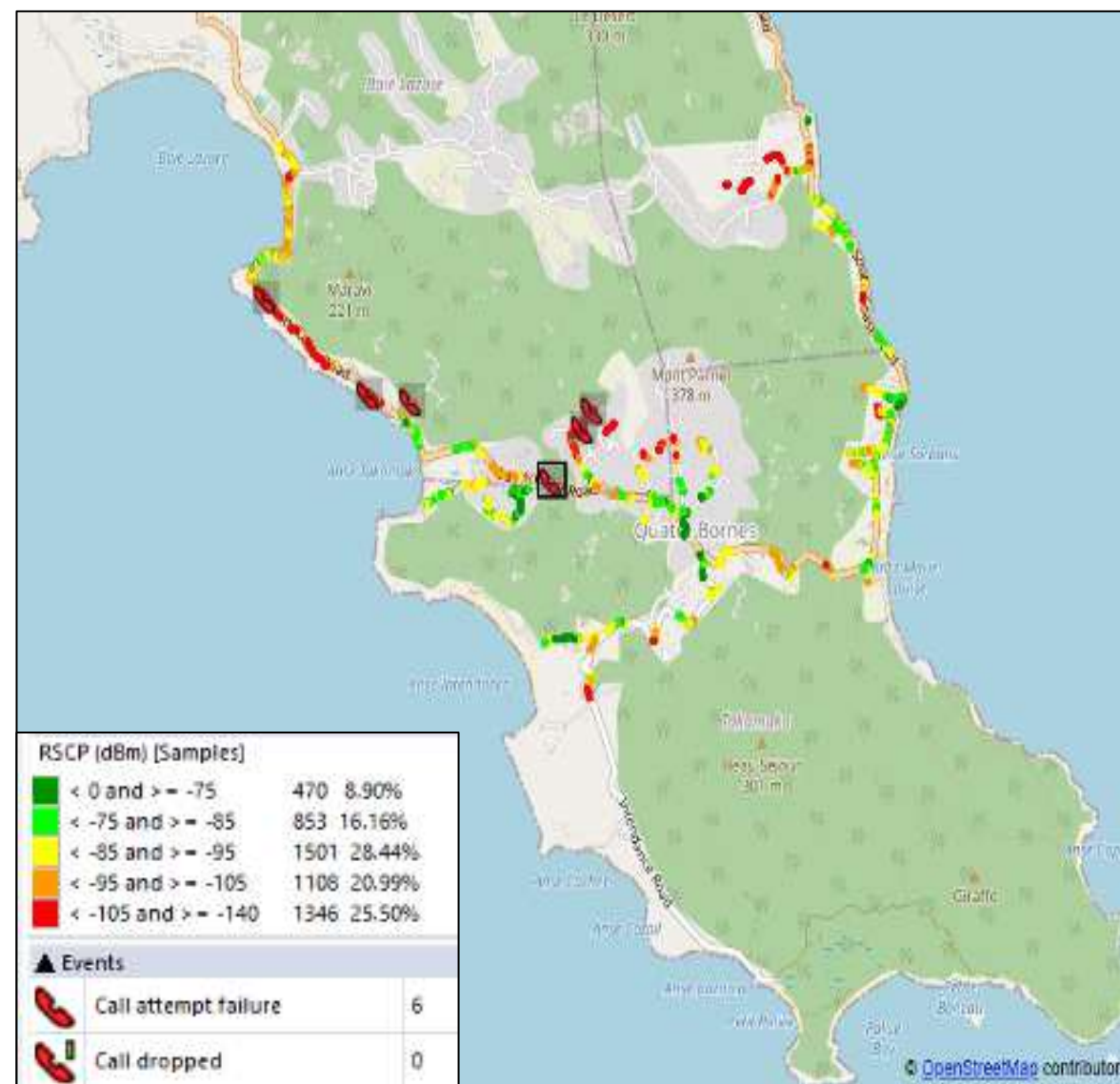
UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	19	18
Success(Count)	14	11
Failure(Count)	5	7
YouTube Access Time (s)	3.40	2.16
YouTube Average Resolution (pixels)	1075.80	1052.35
YouTube Success Ratio [%]	73.68	61.11

Voice Call Events

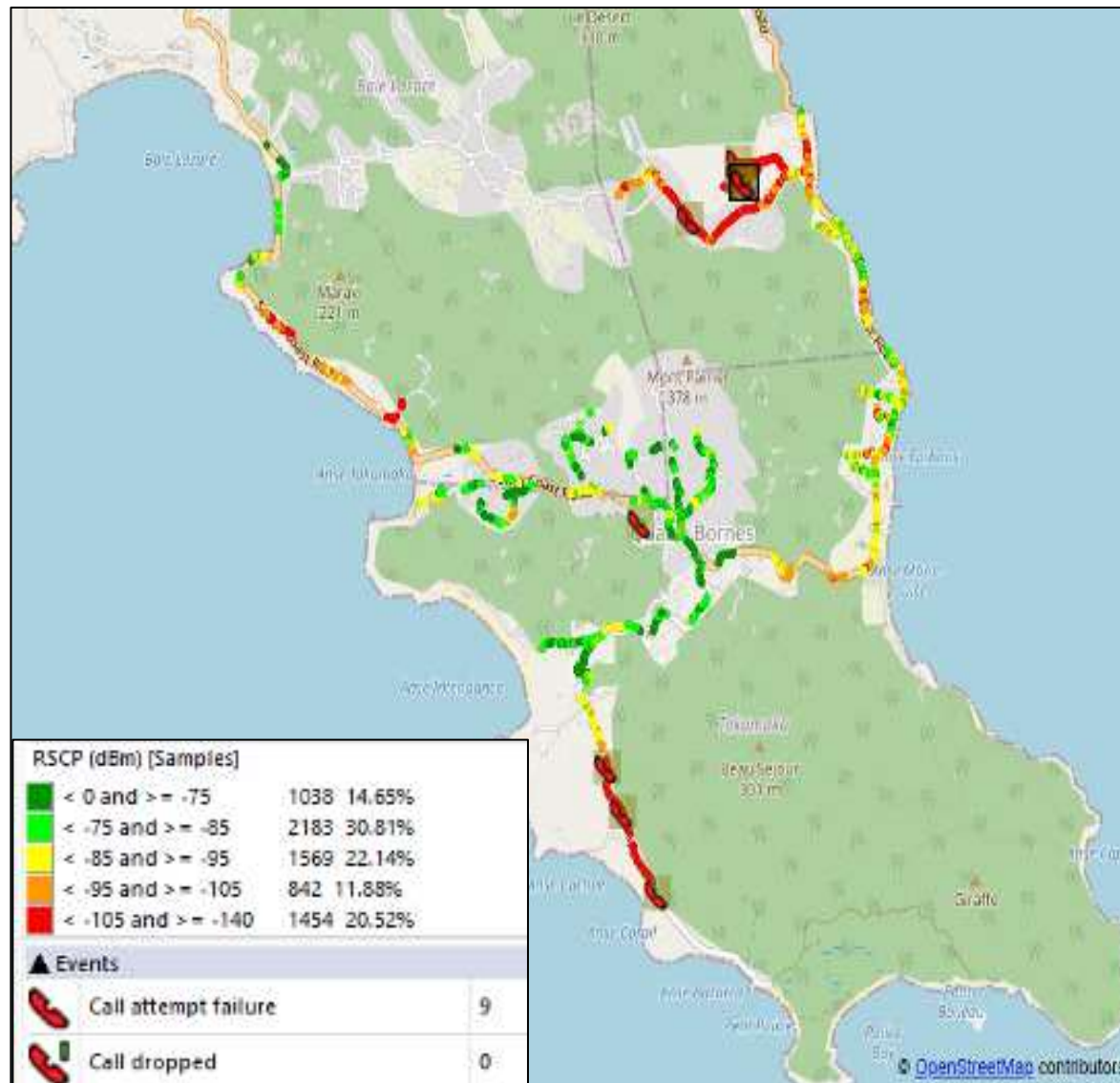
Airtel SC MO



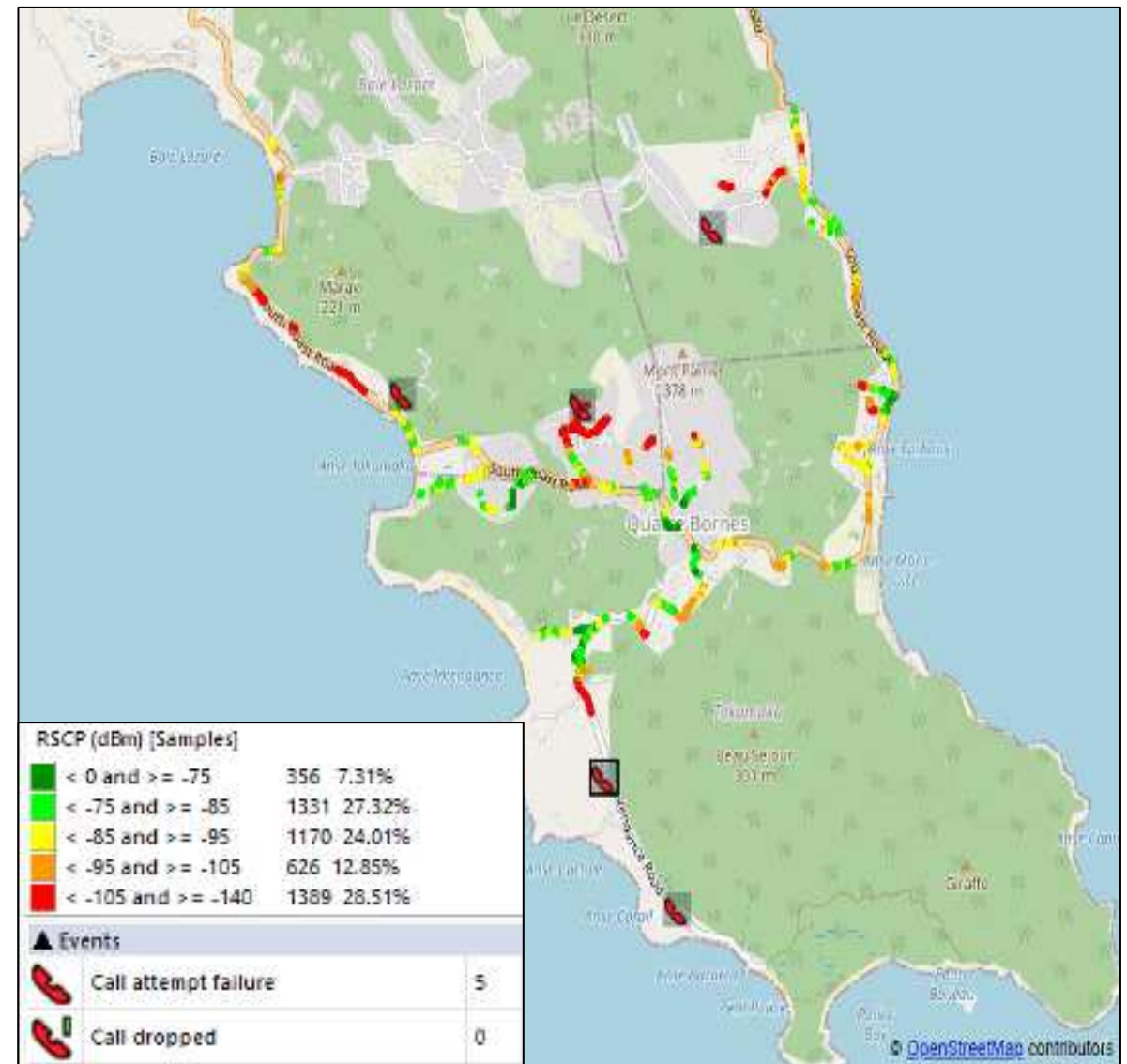
CWS SC MO



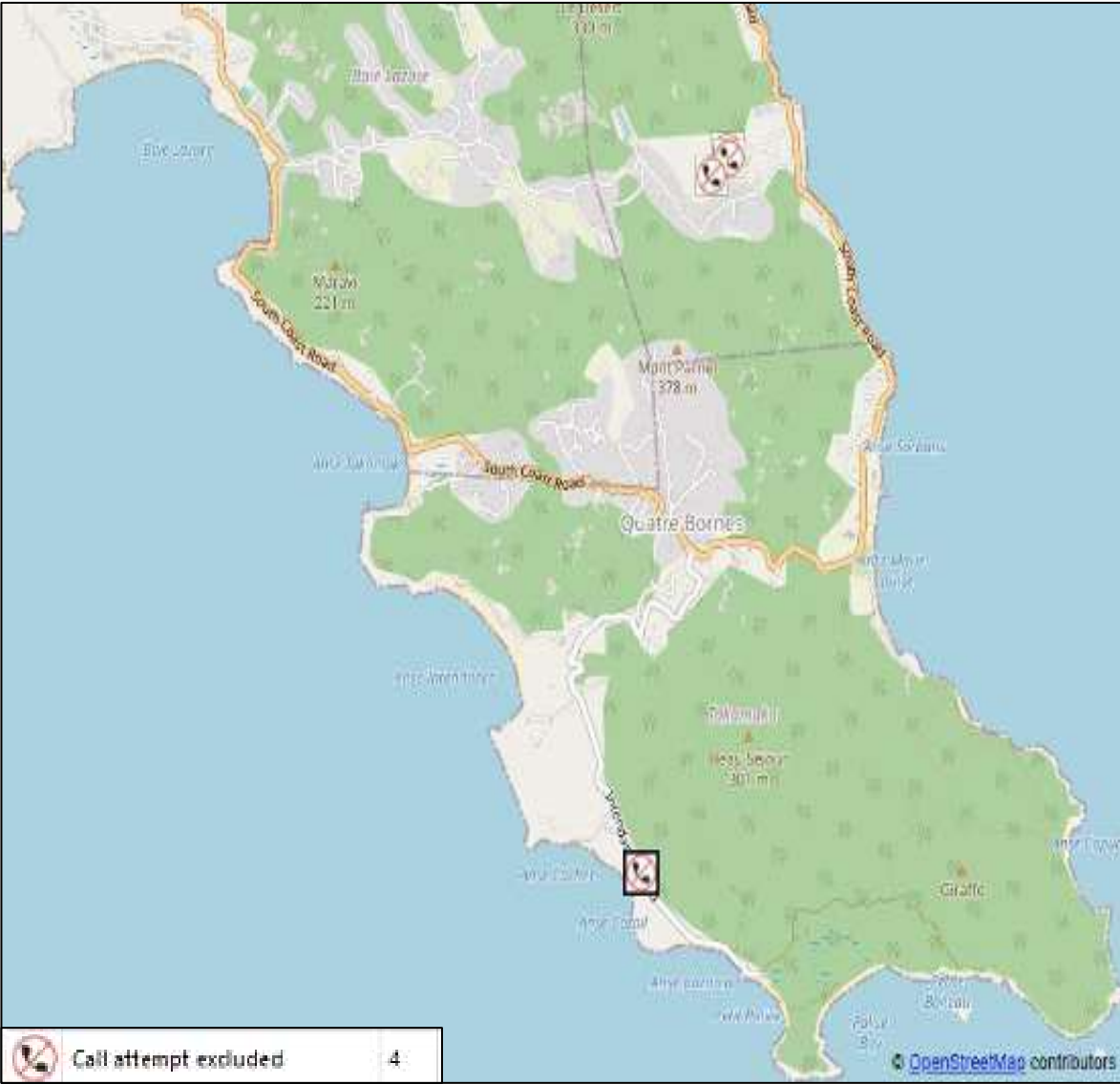
Airtel SC MO



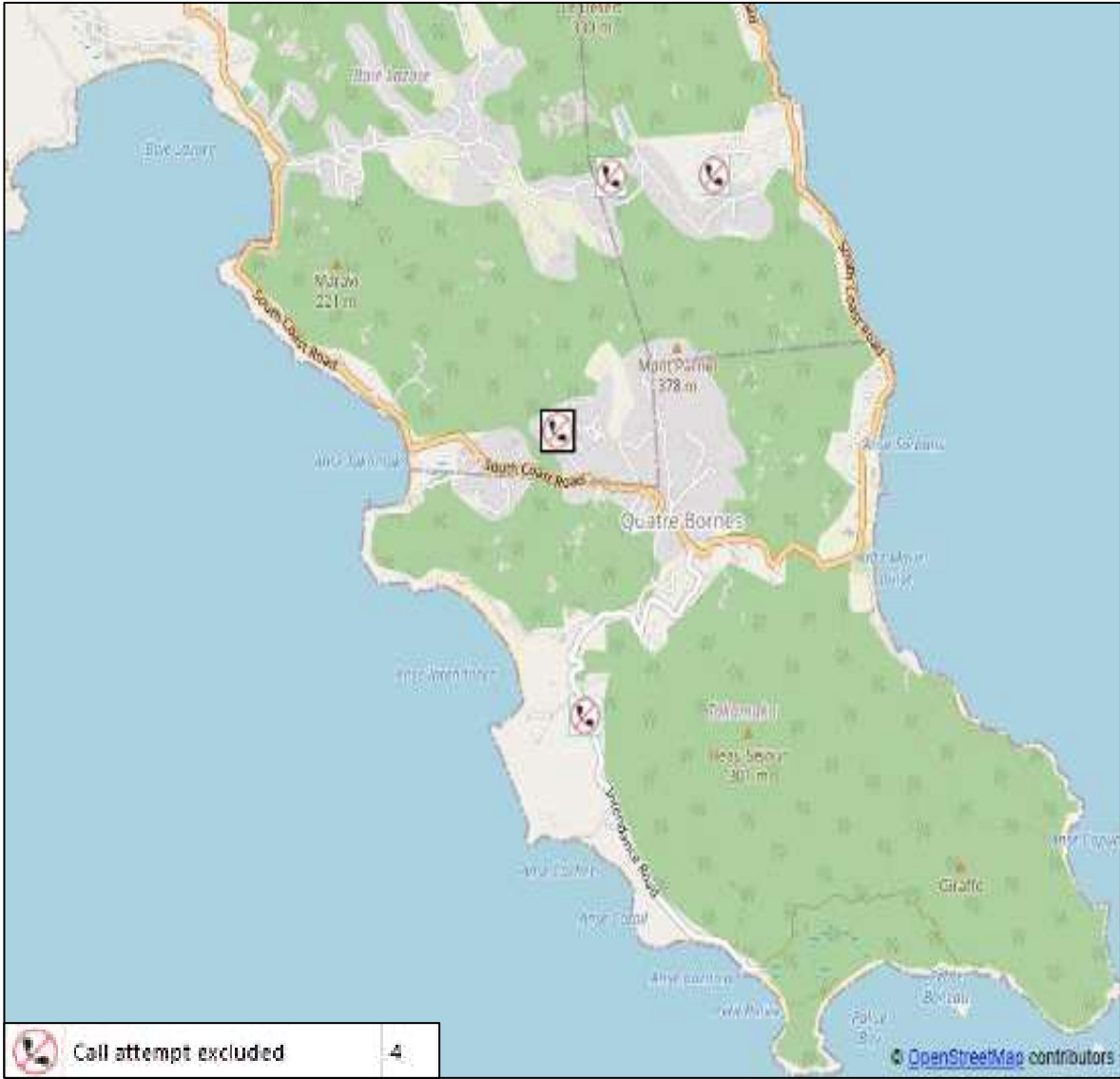
CWS SC MO



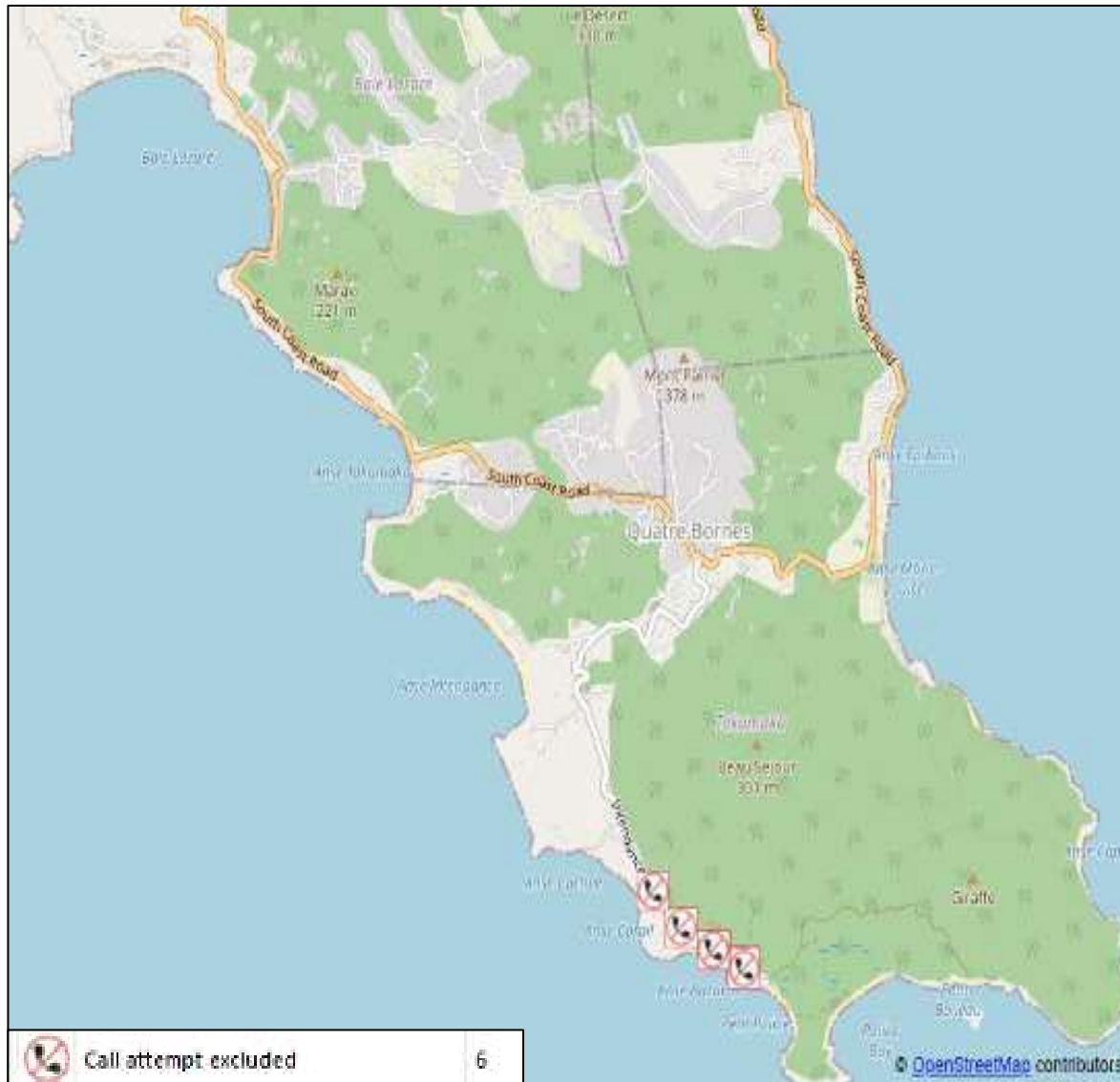
Airtel SC MO



CWS SC MO



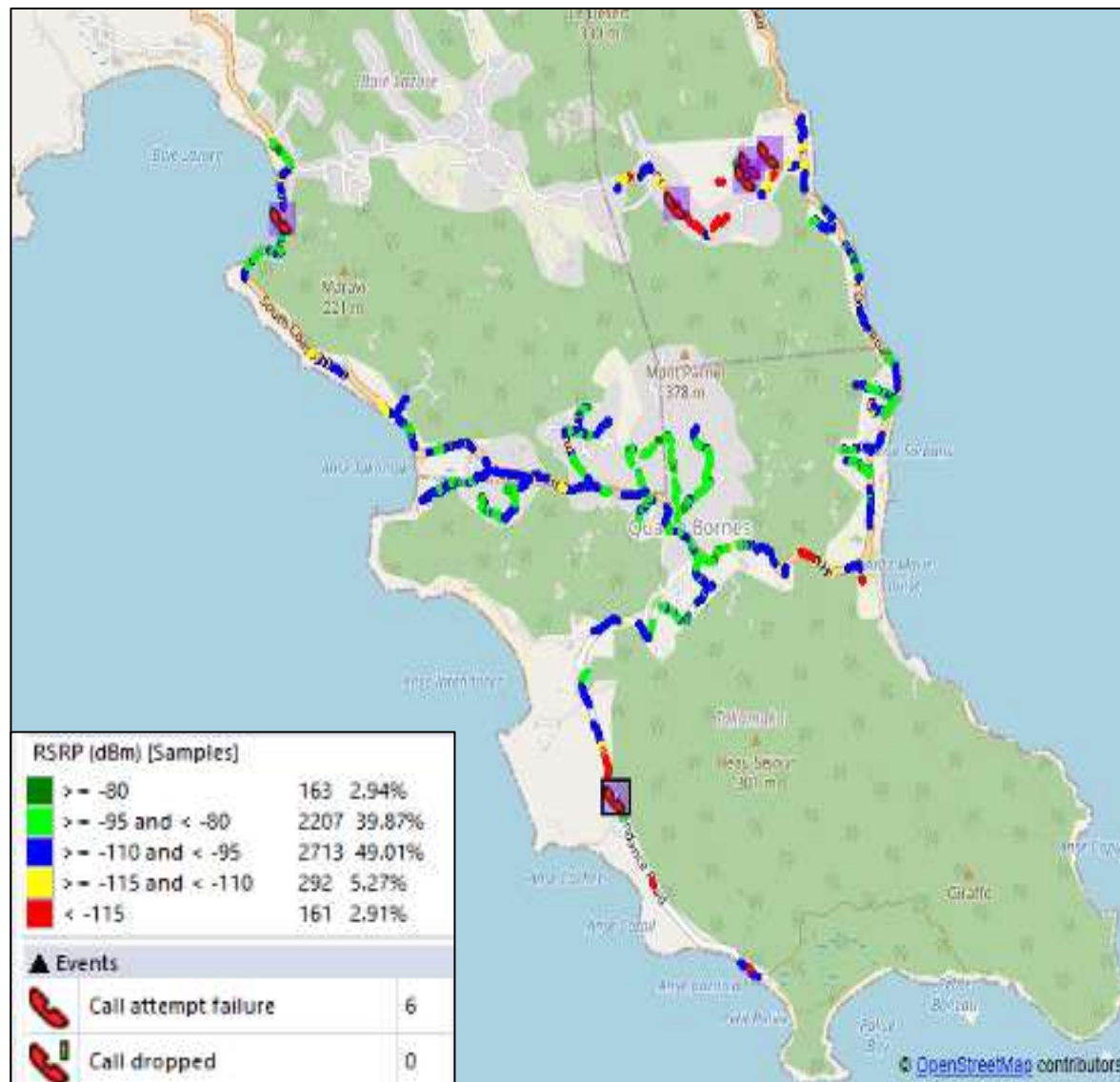
Airtel SC MO



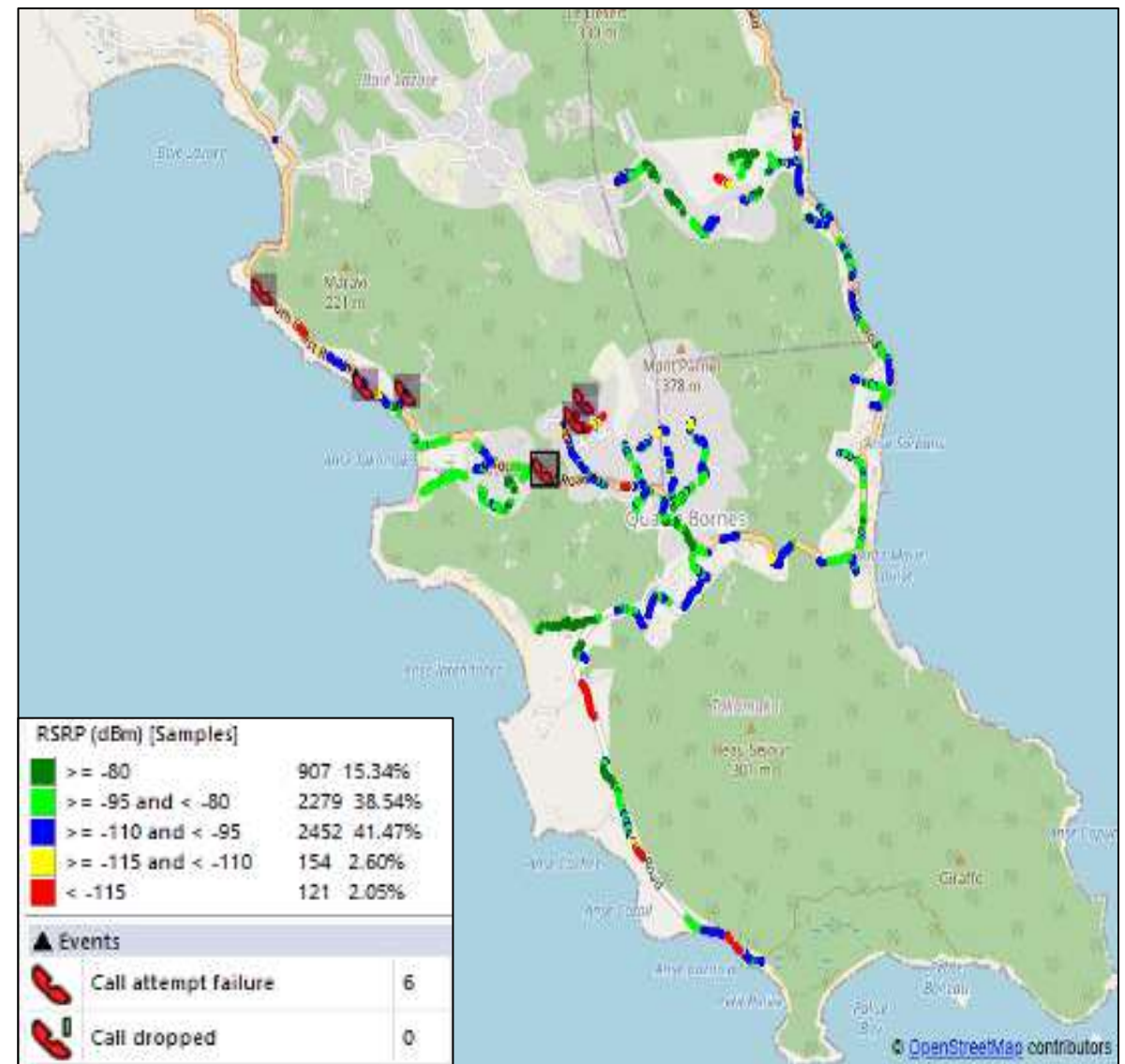
CWS SC MO



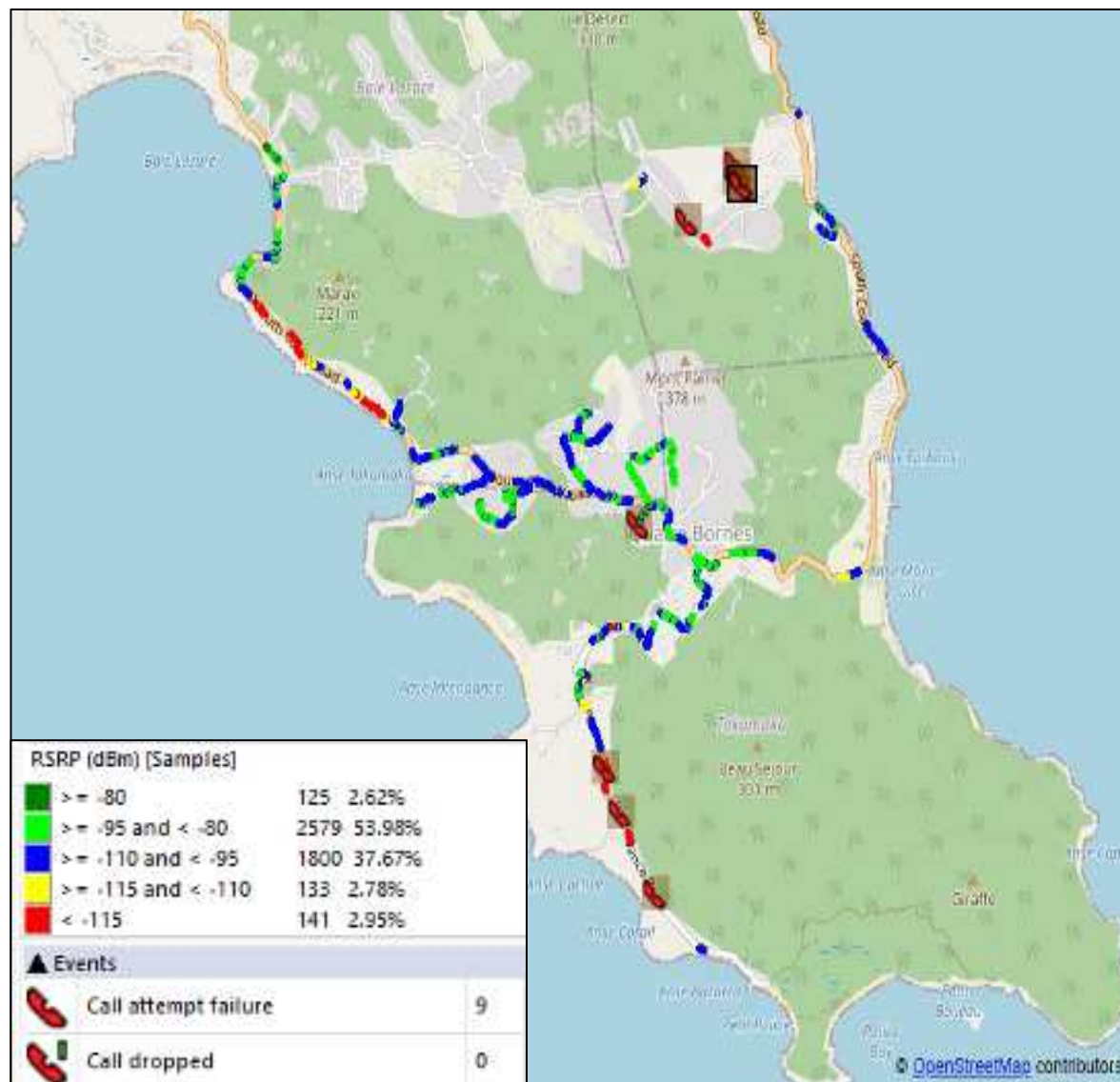
Airtel SC MO



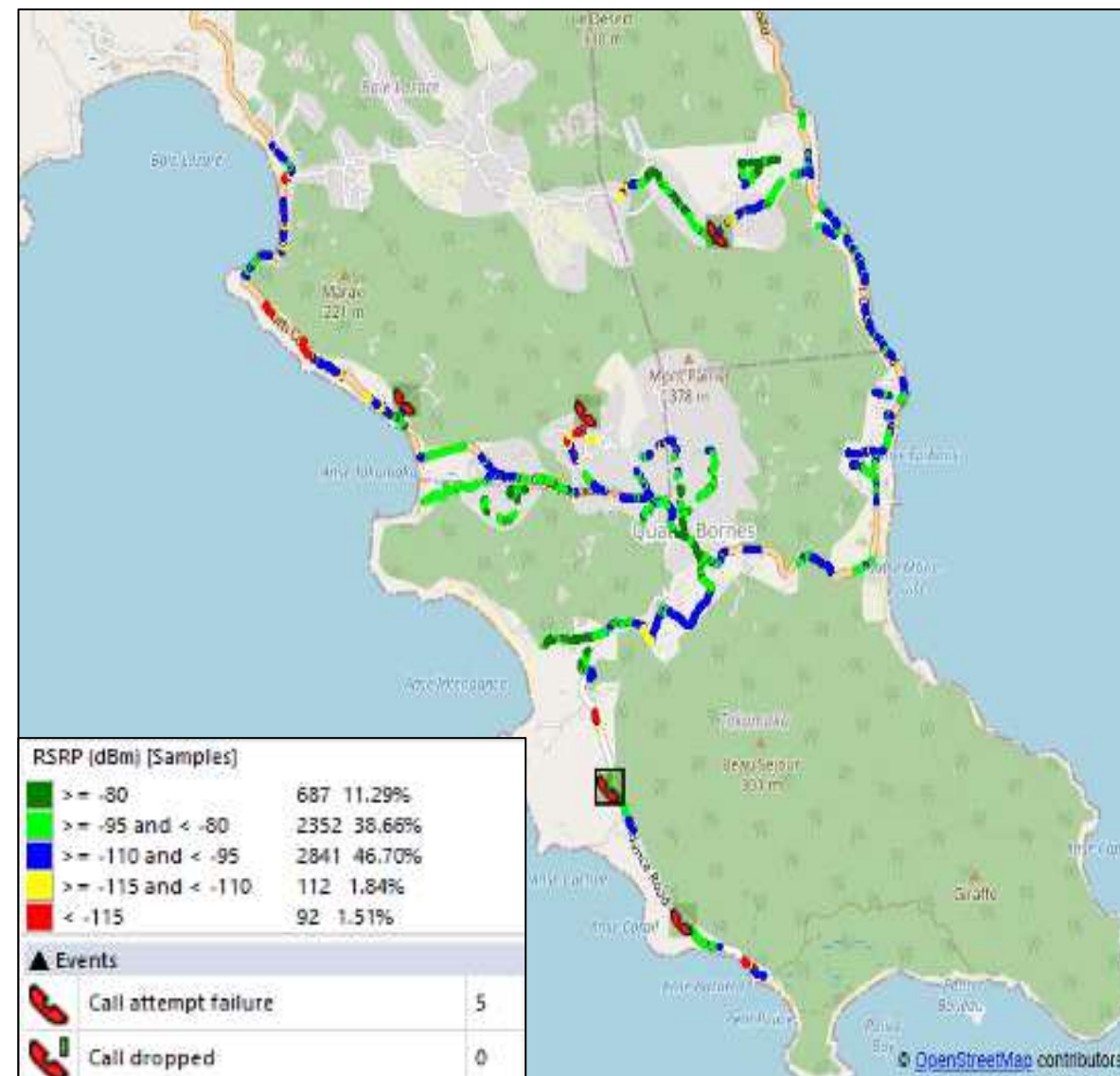
CWS SC MO



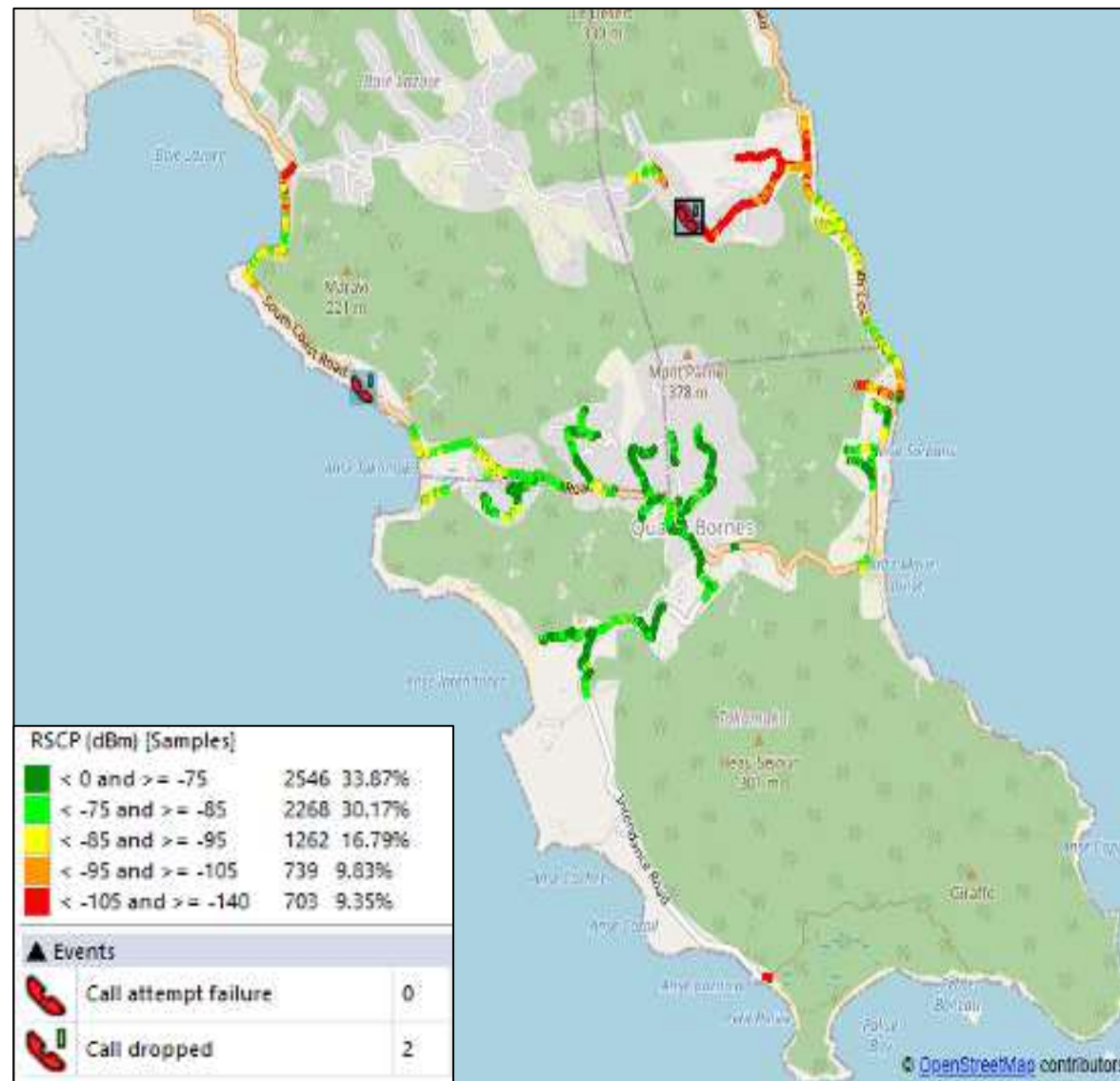
Airtel SC MO



CWS SC MO



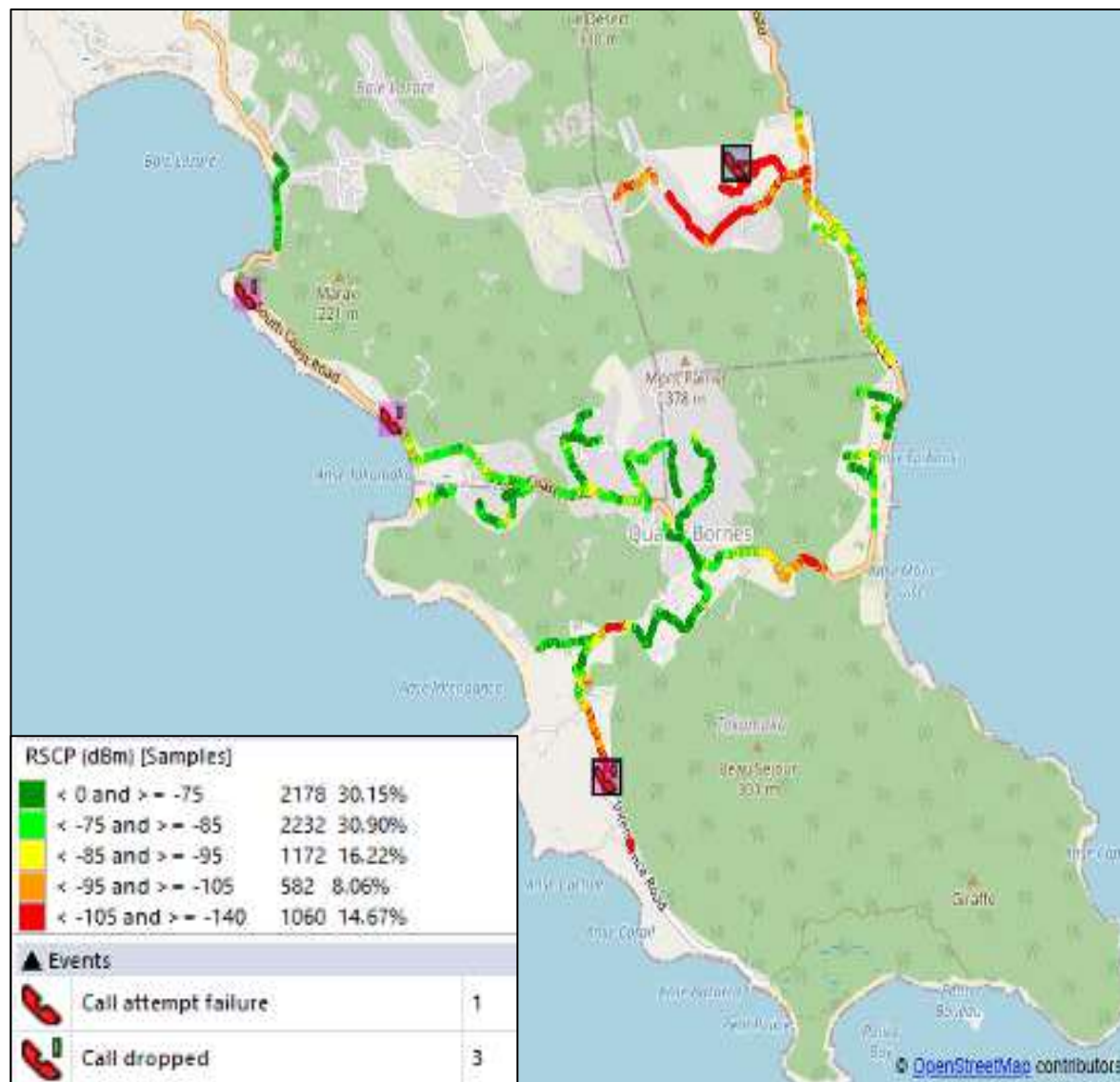
Airtel LC MO



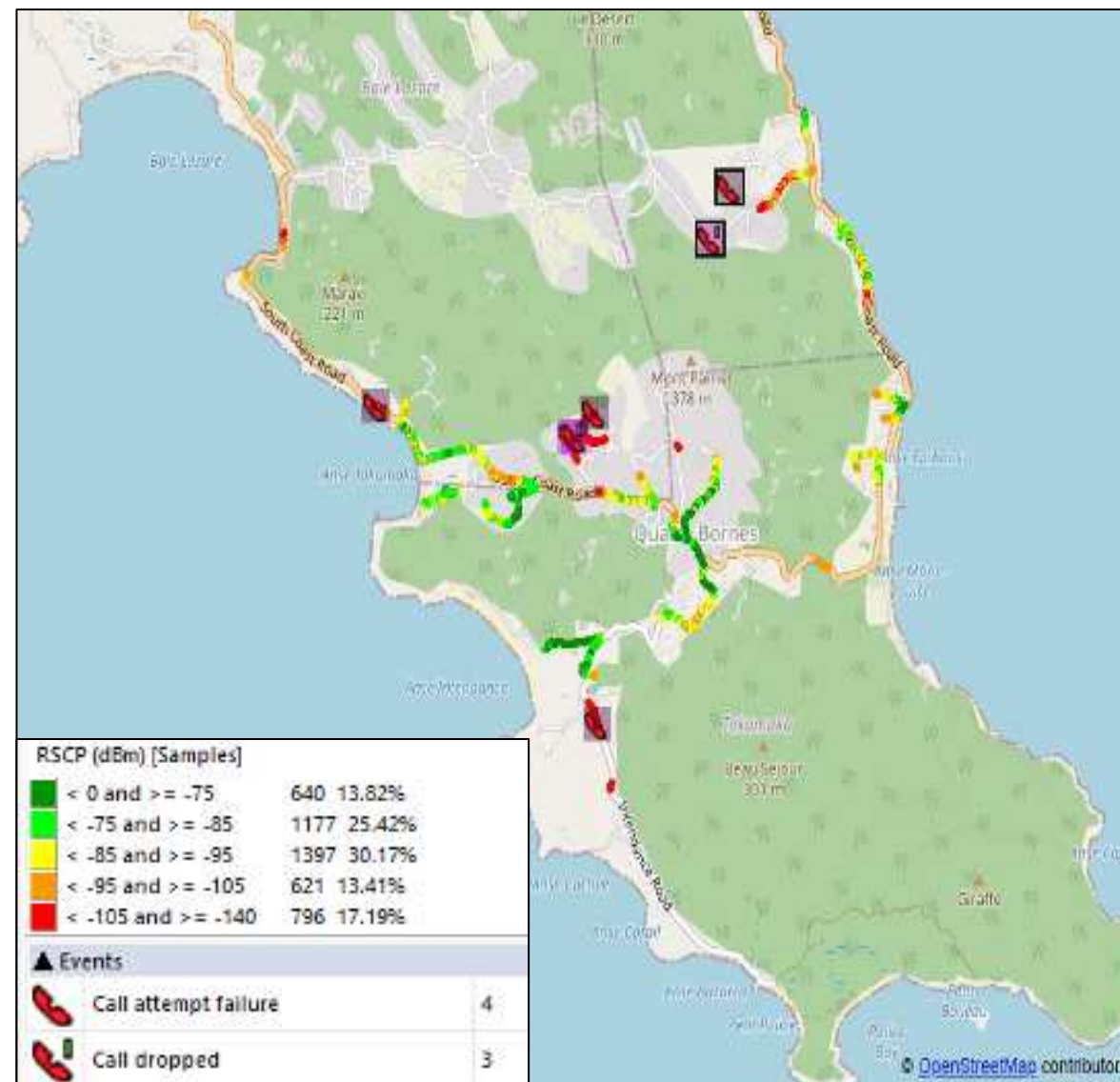
CWS LC MO



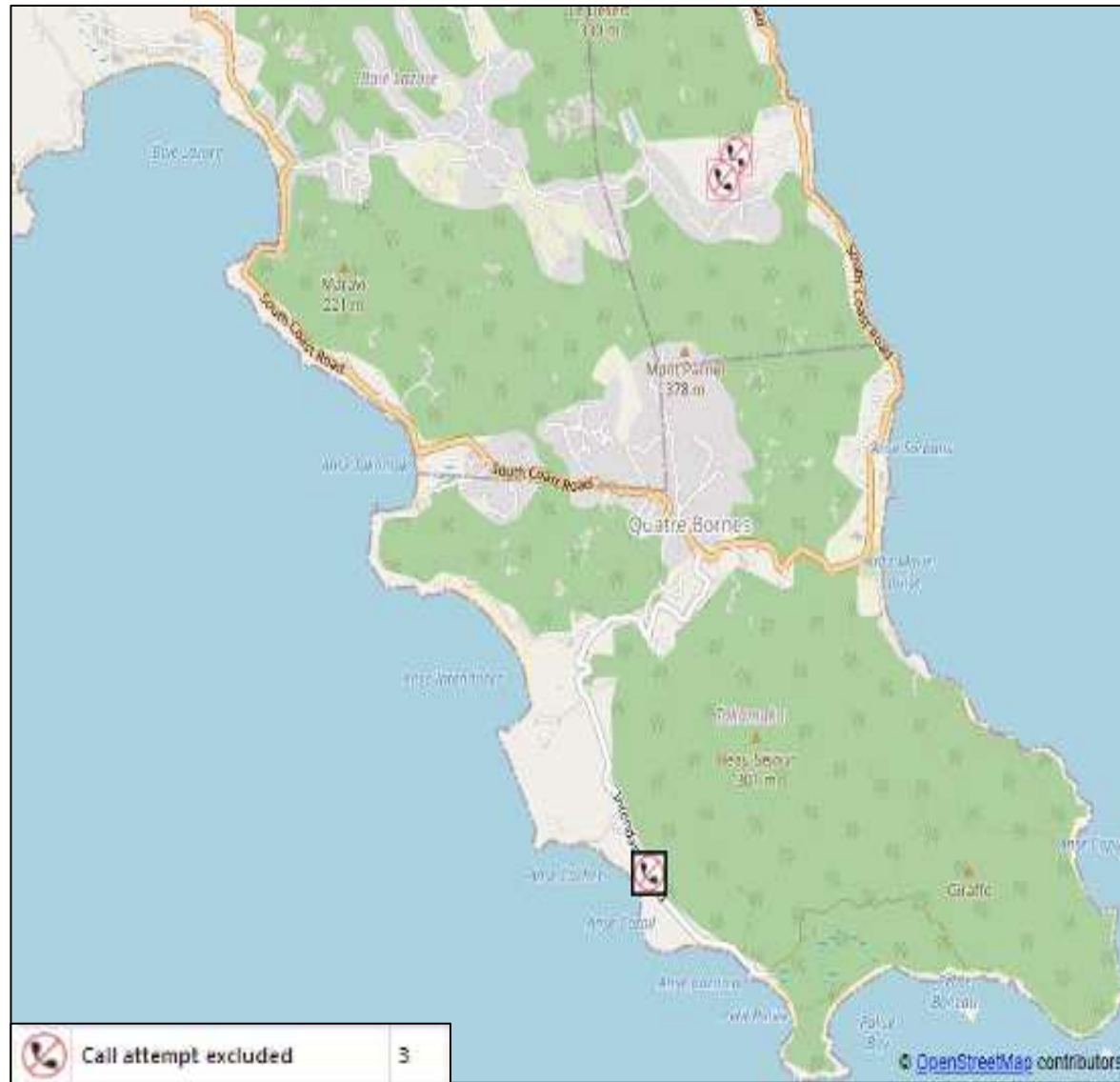
Airtel LC MO



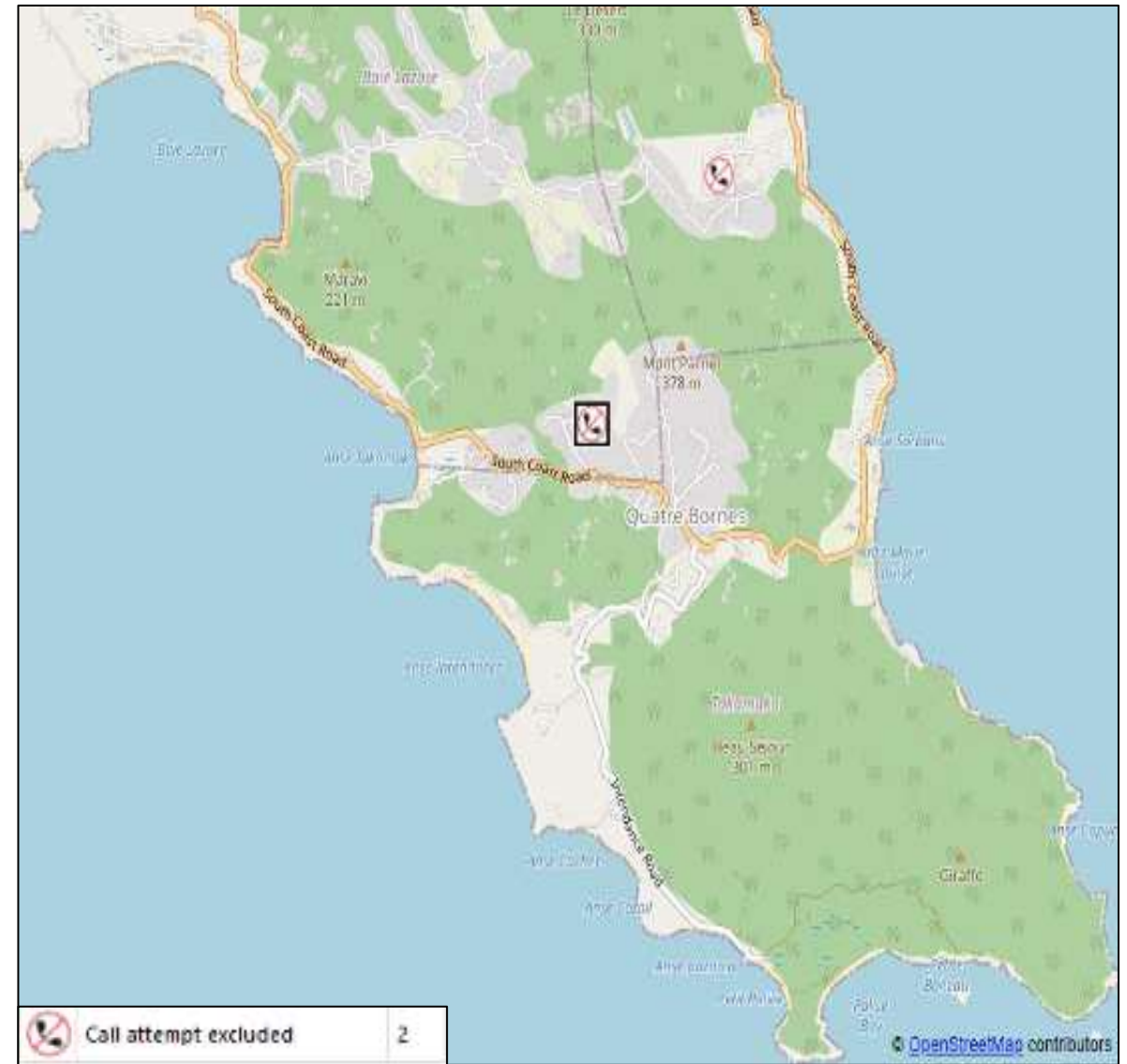
CWS LC MO



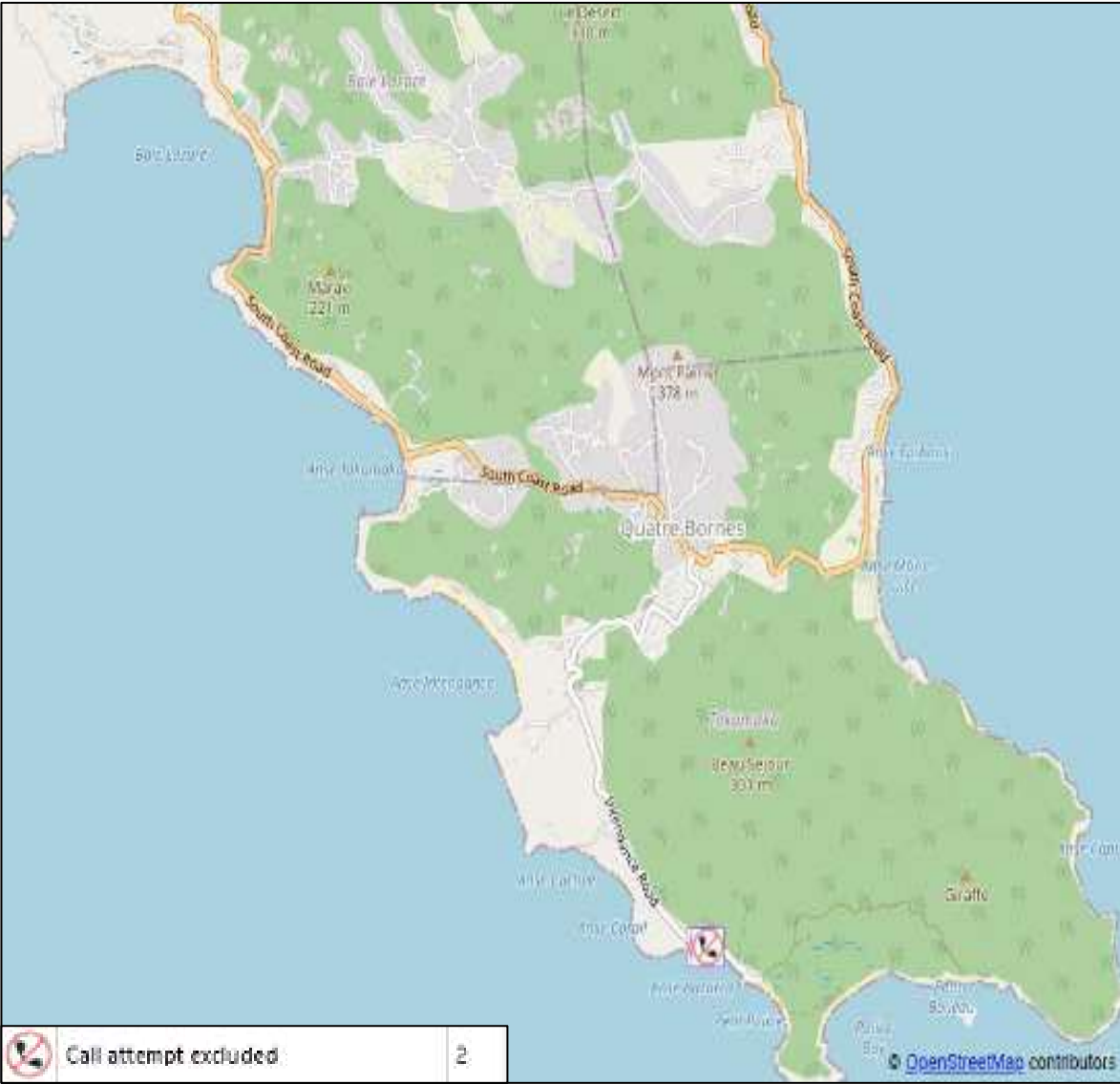
Airtel LC MO



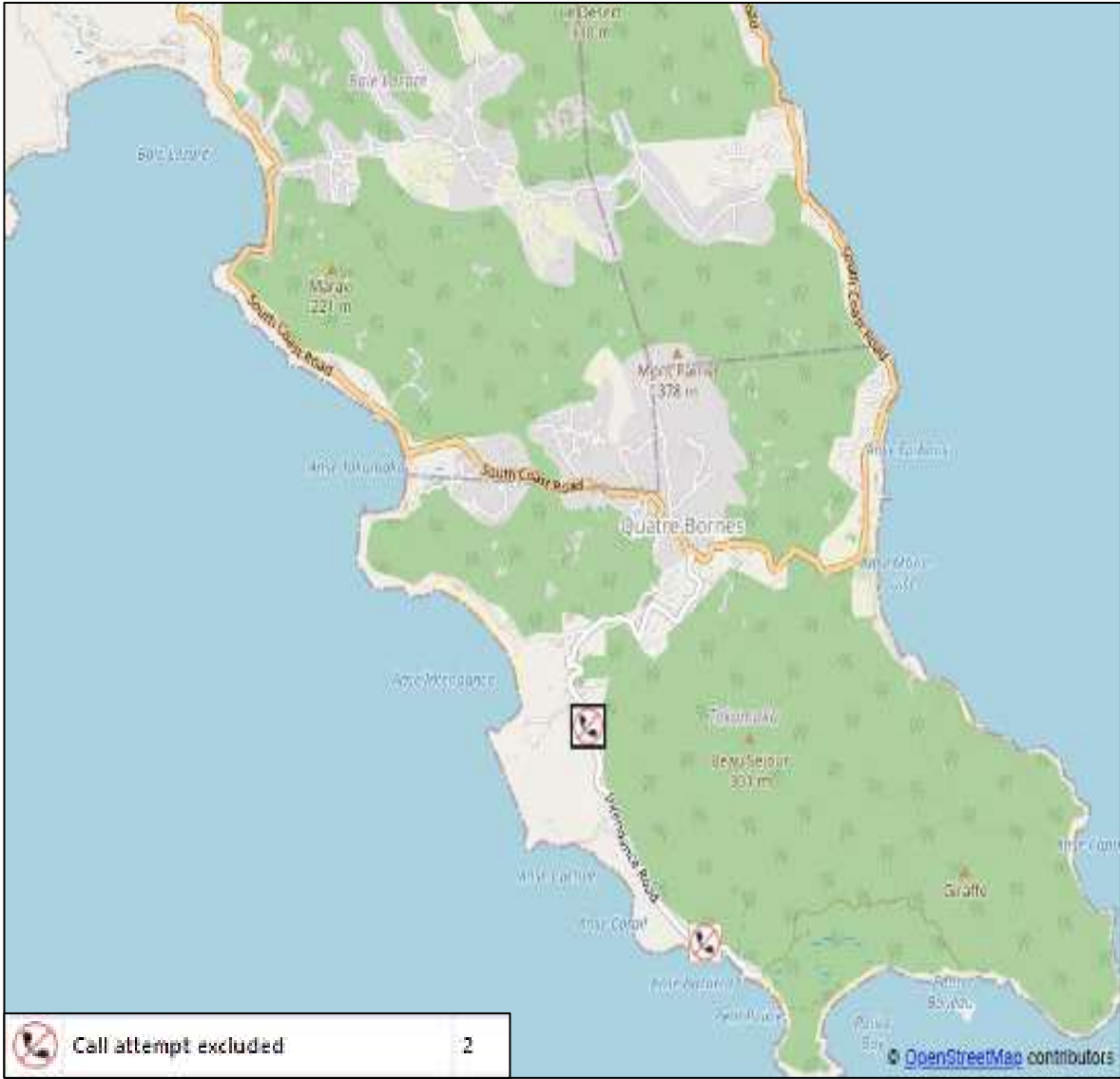
CWS LC MO



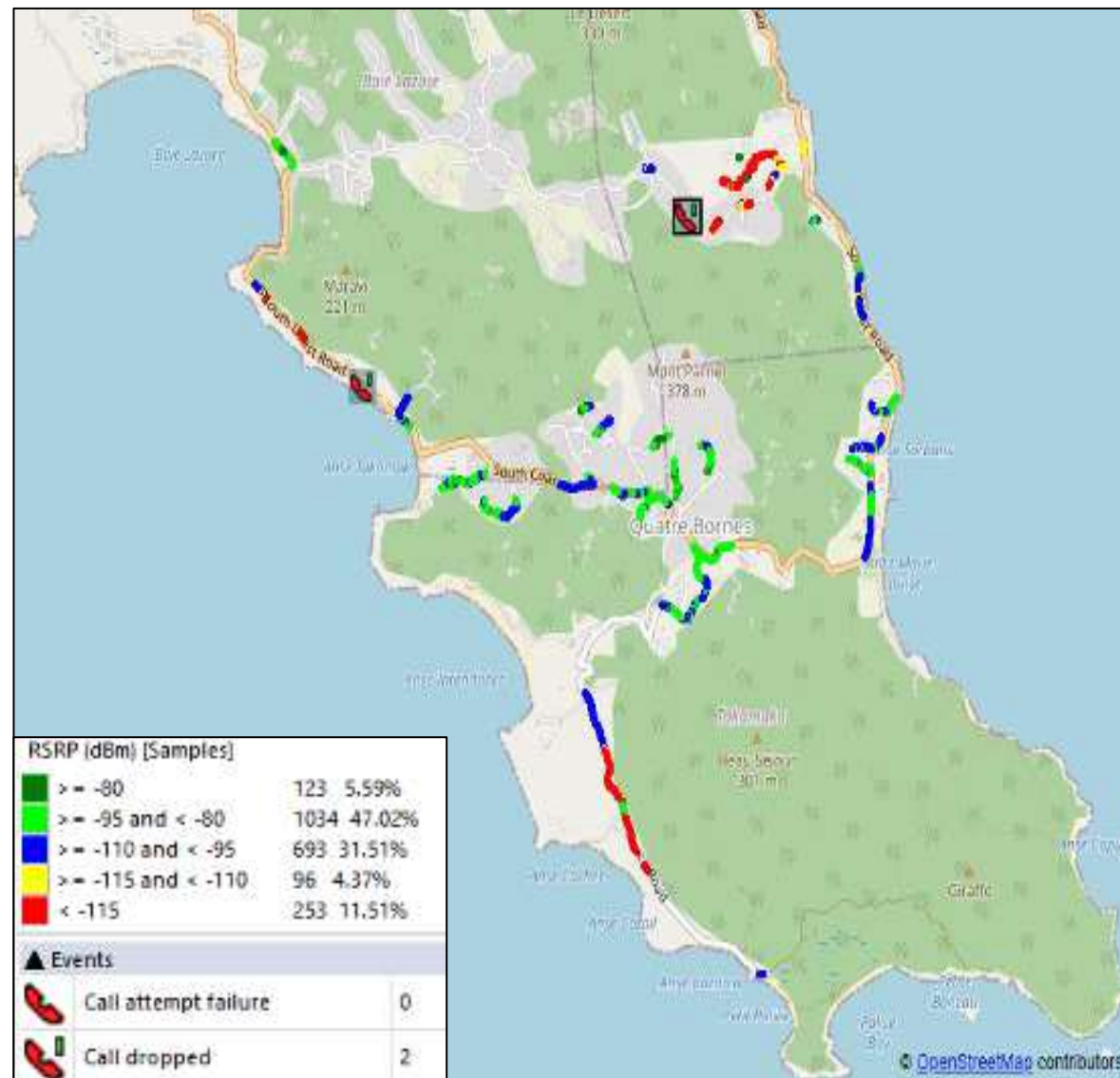
Airtel LC MO



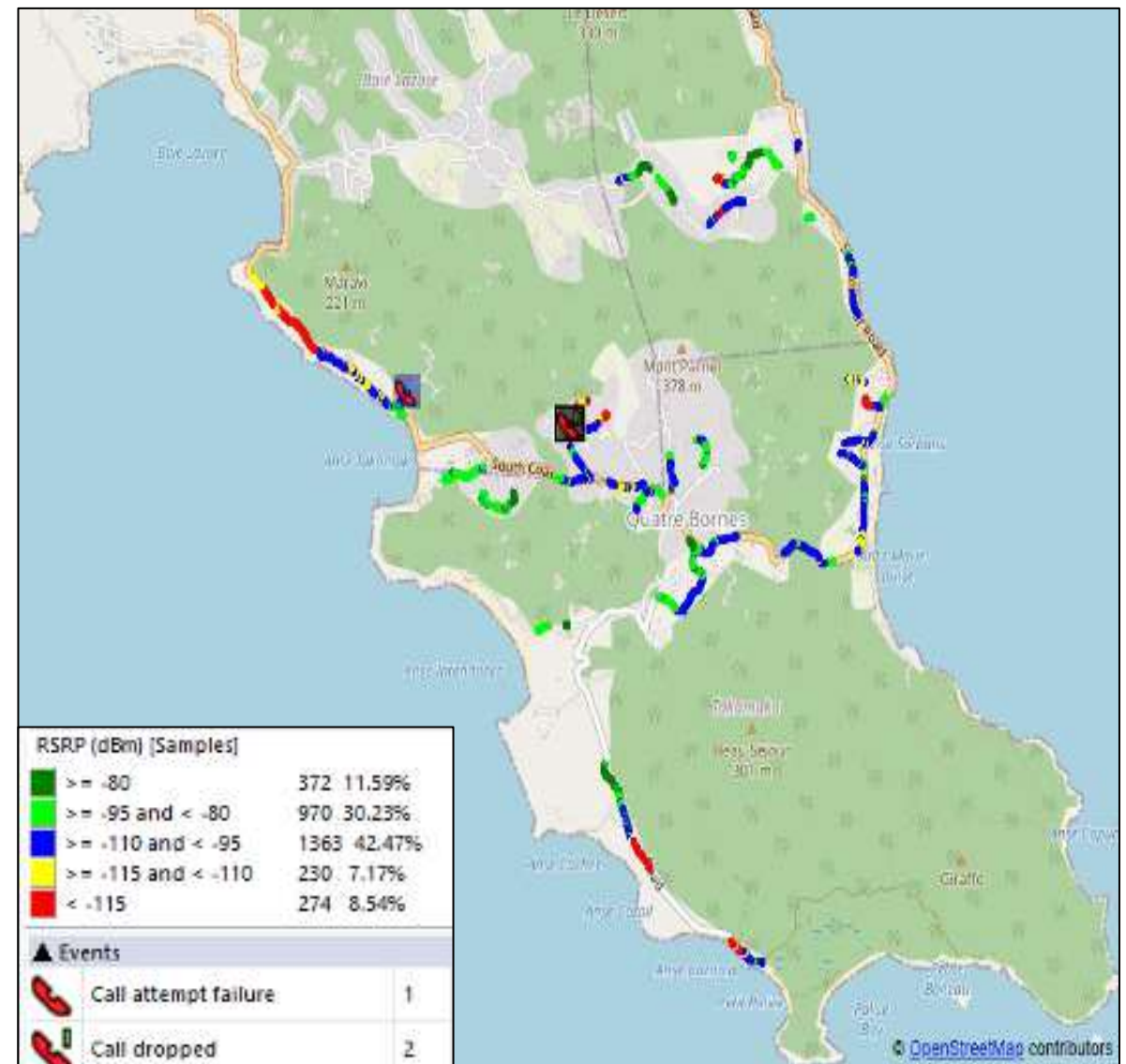
CWS LC MO



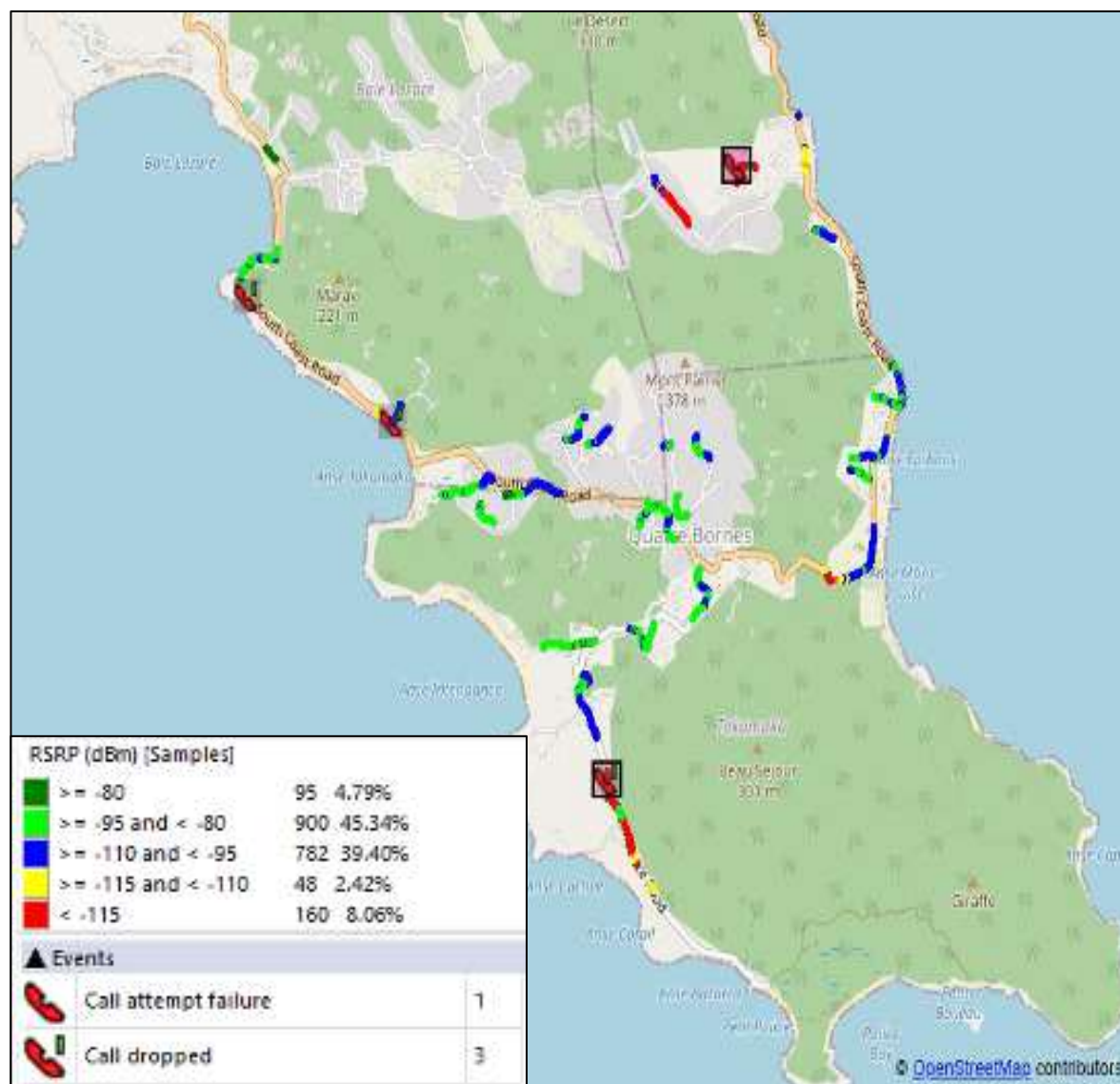
Airtel LC MO



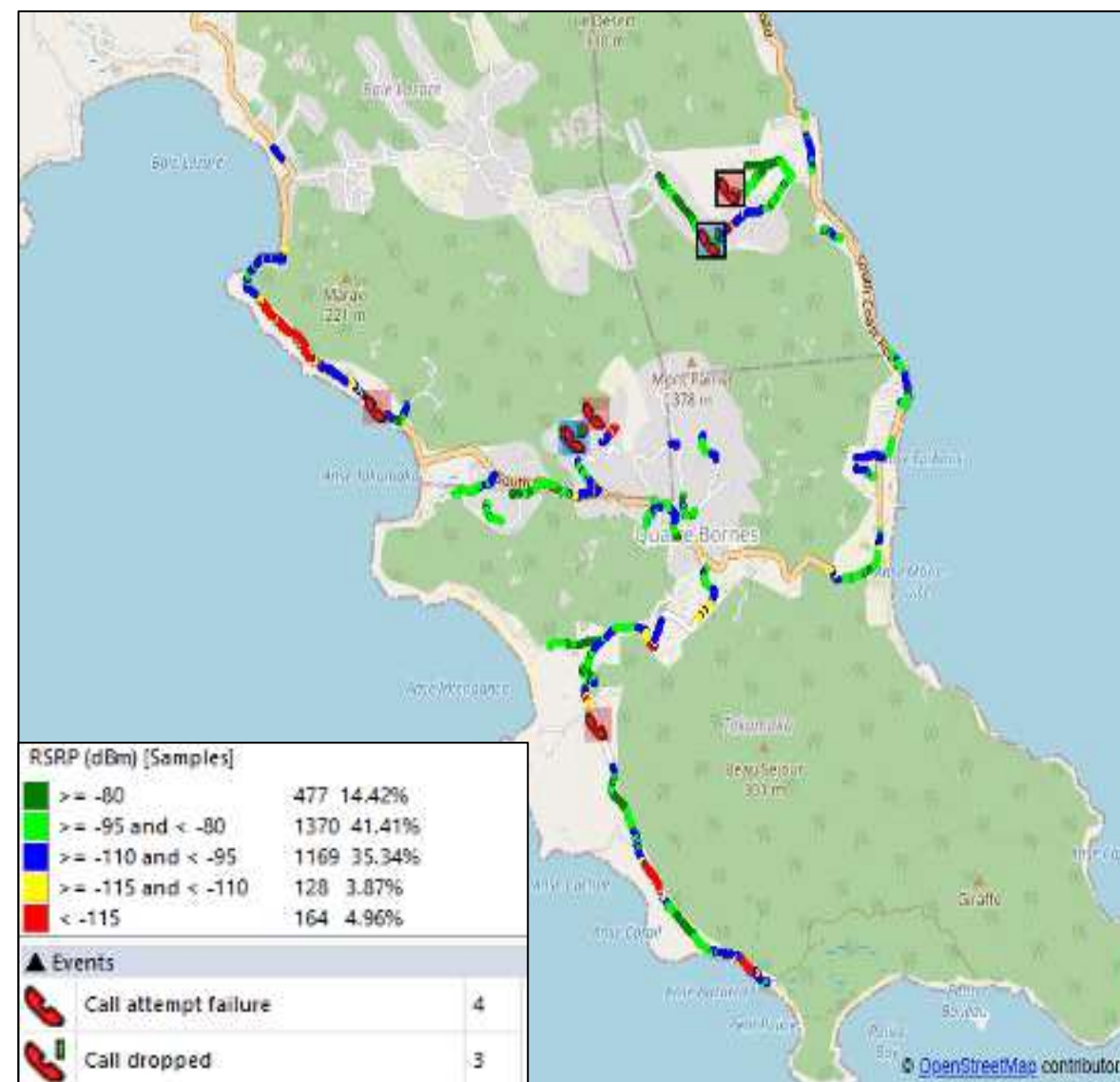
CWS LC MO



Airtel LC MO

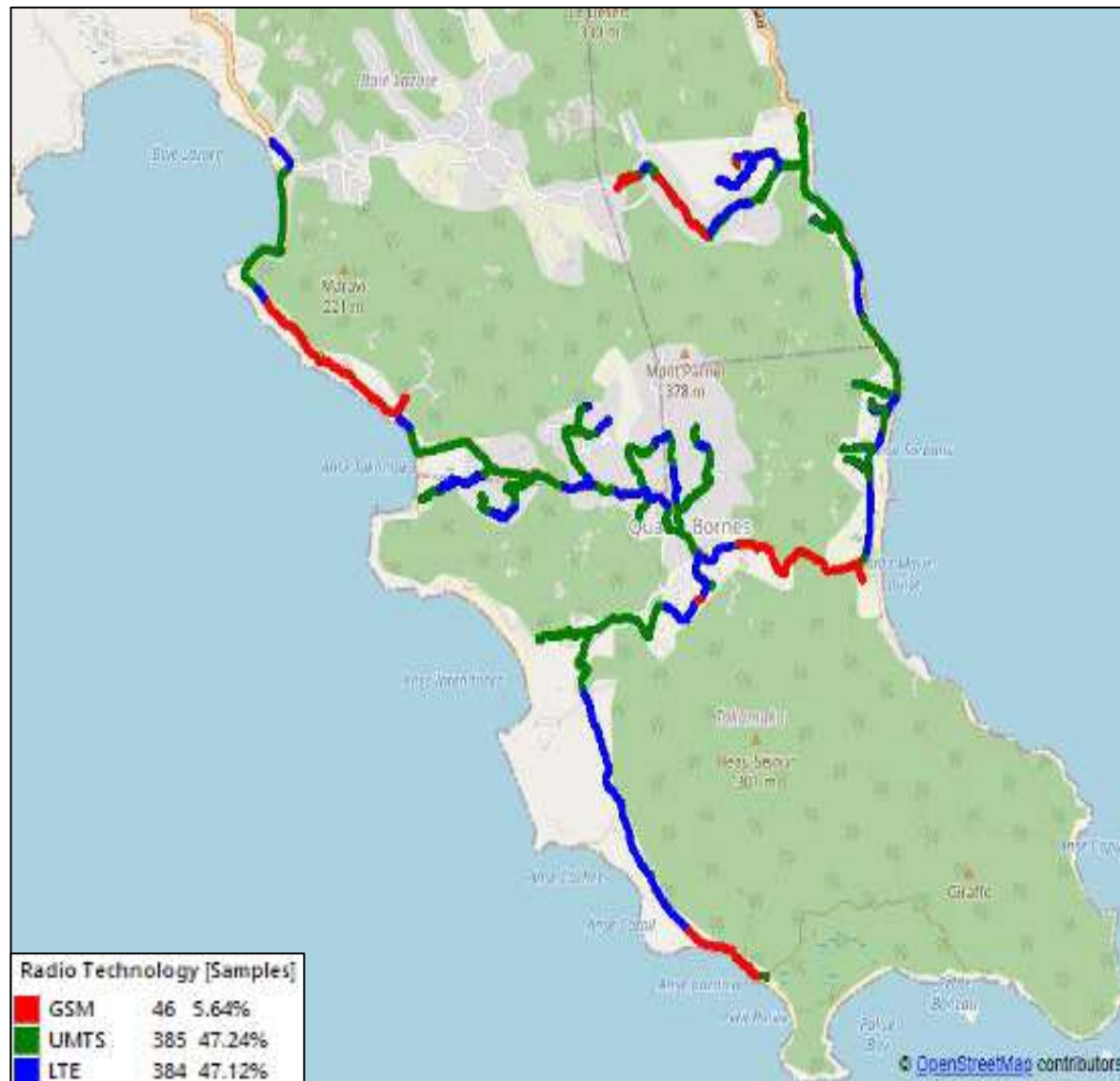


CWS LC MO

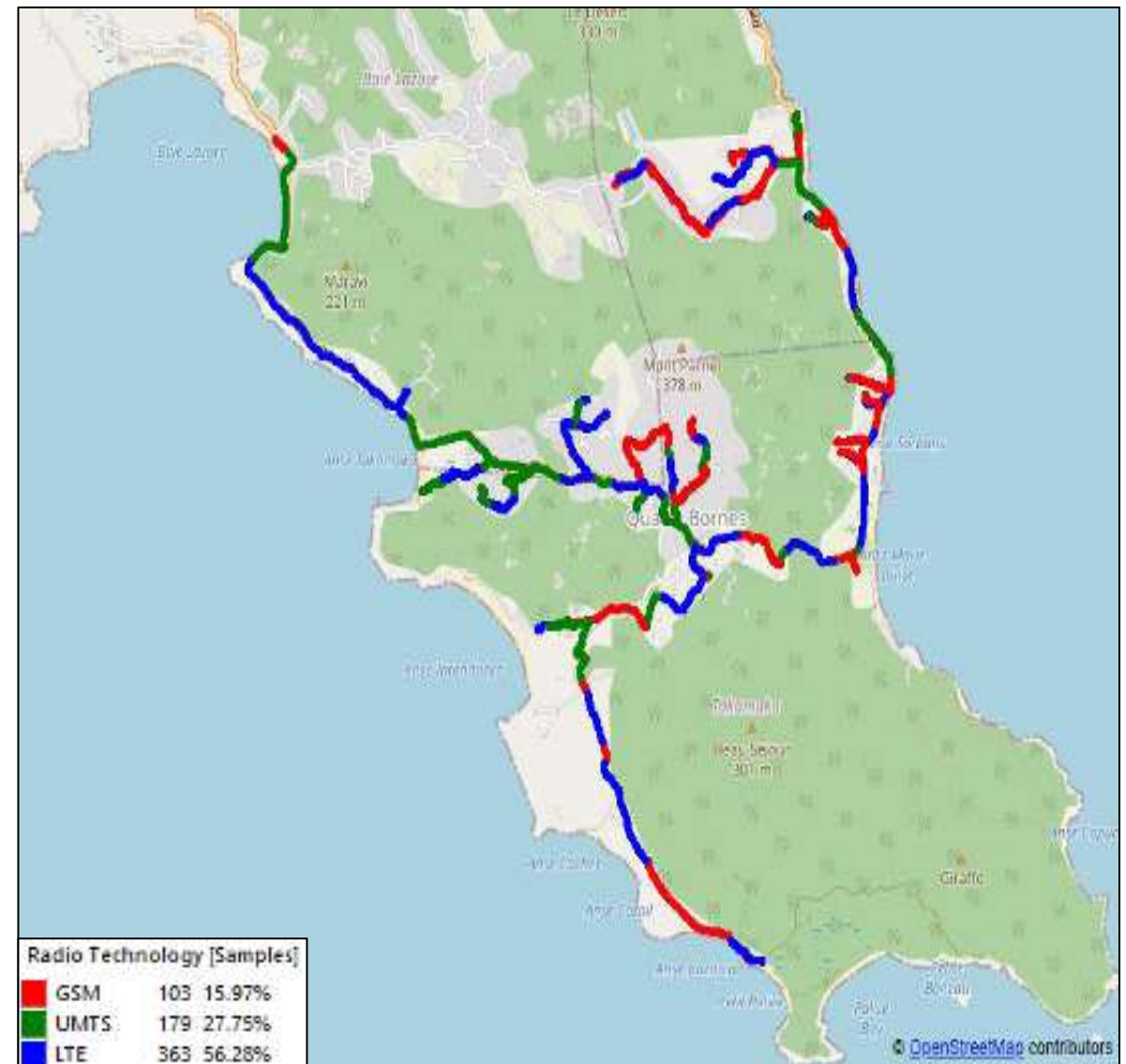


LONG CALL DRIVE PLOTS

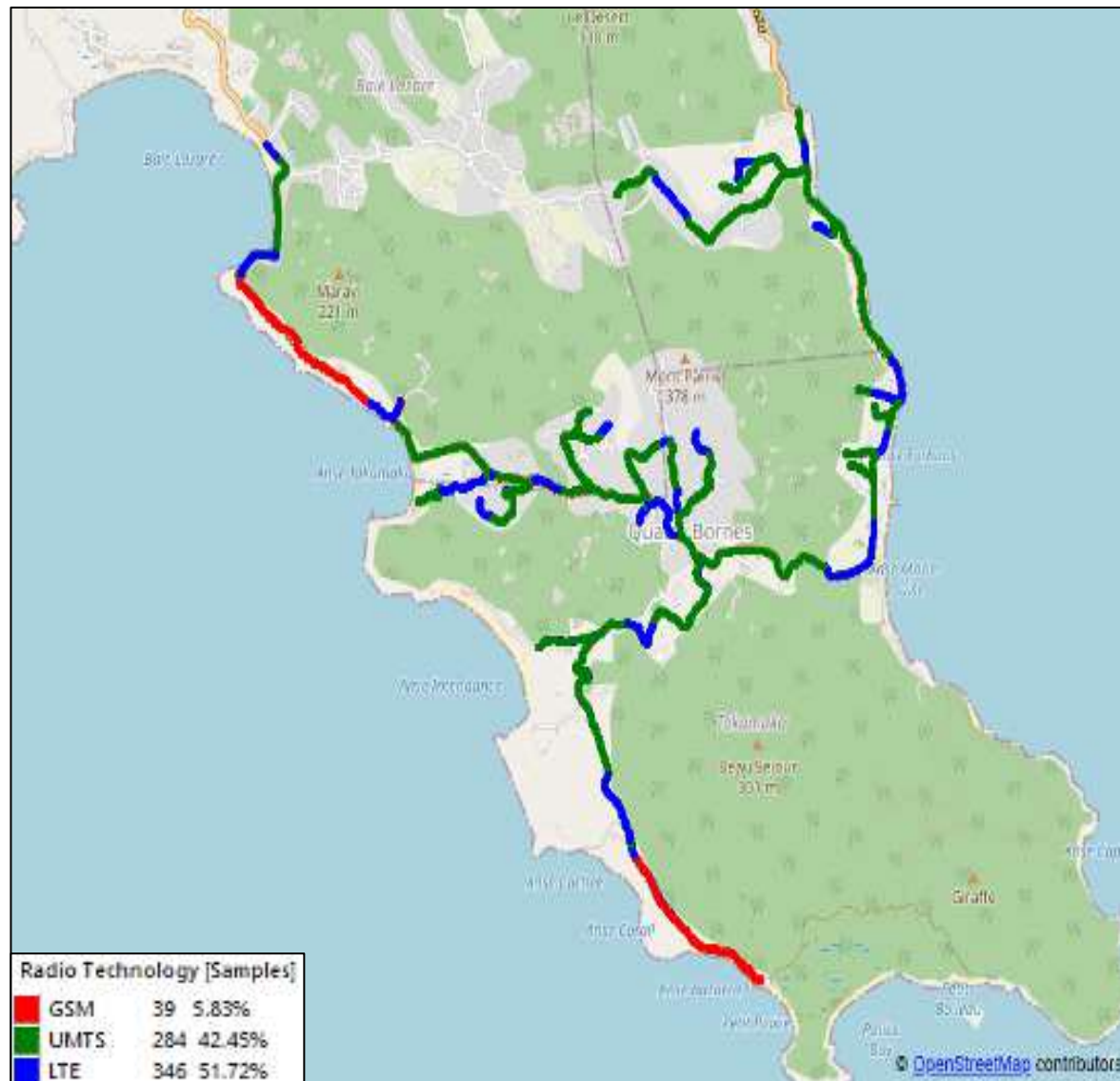
Airtel LC MO



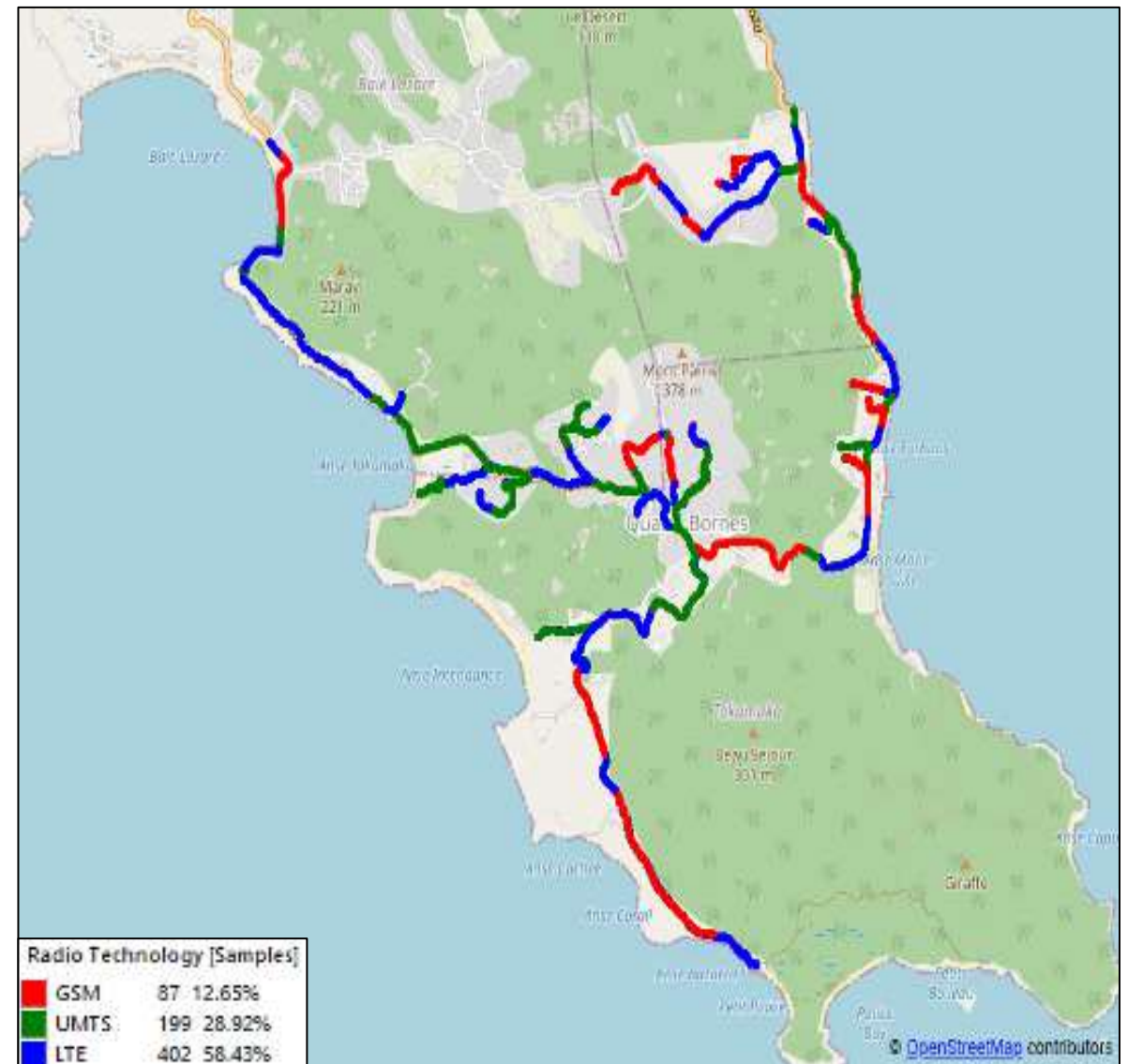
CWS LC MO



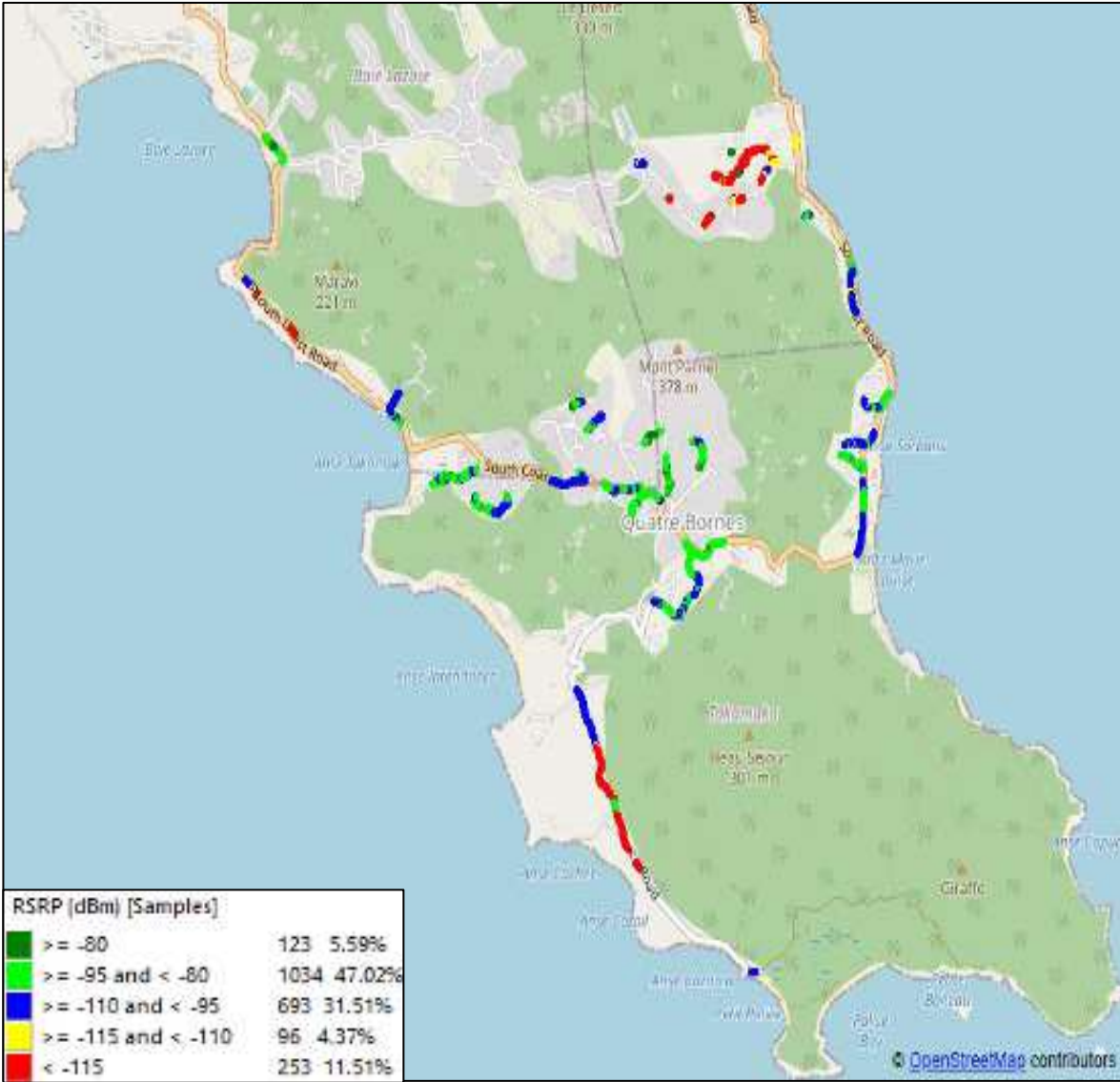
Airtel LC MO



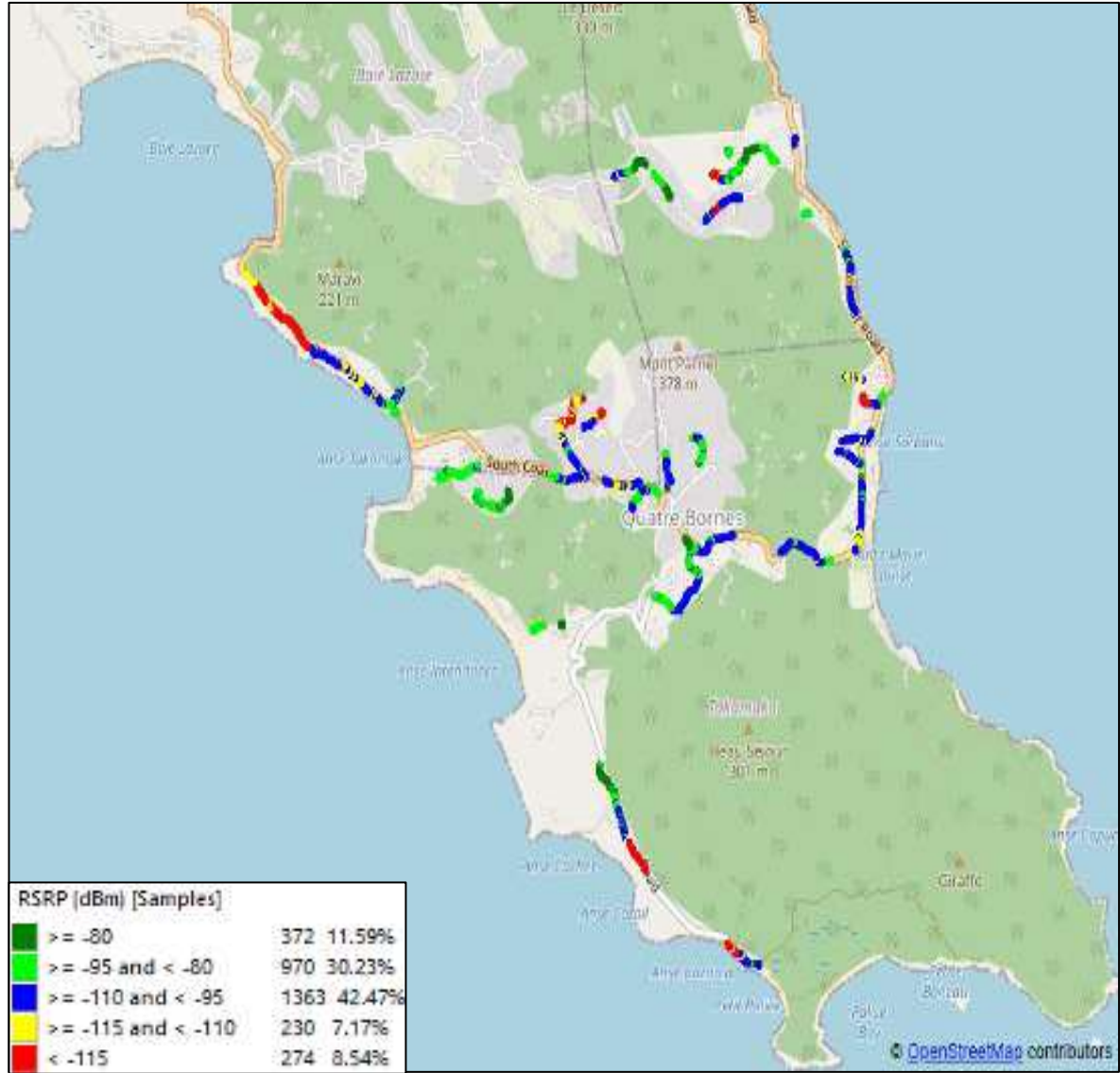
CWS LC MO



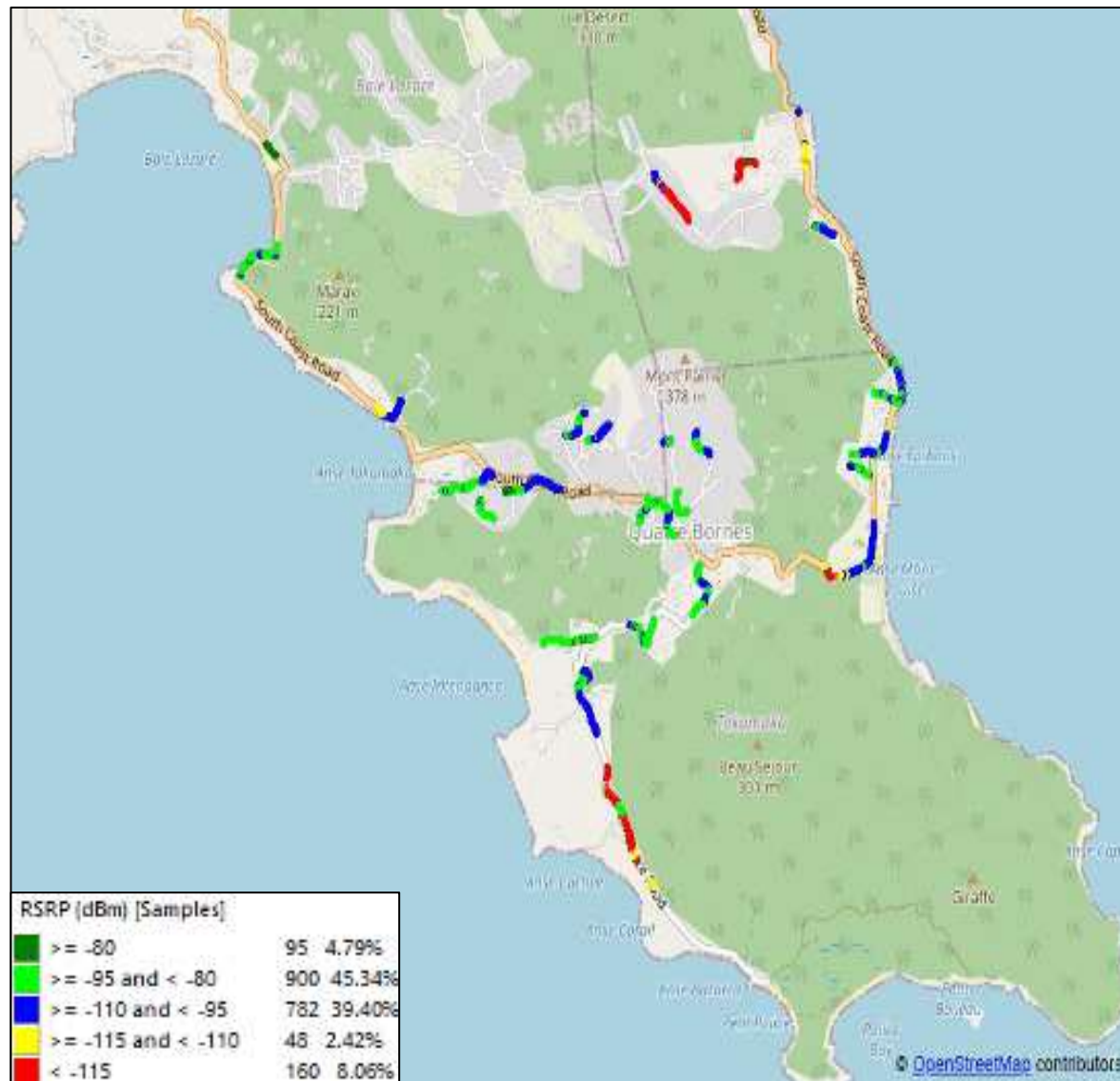
Airtel LC MO



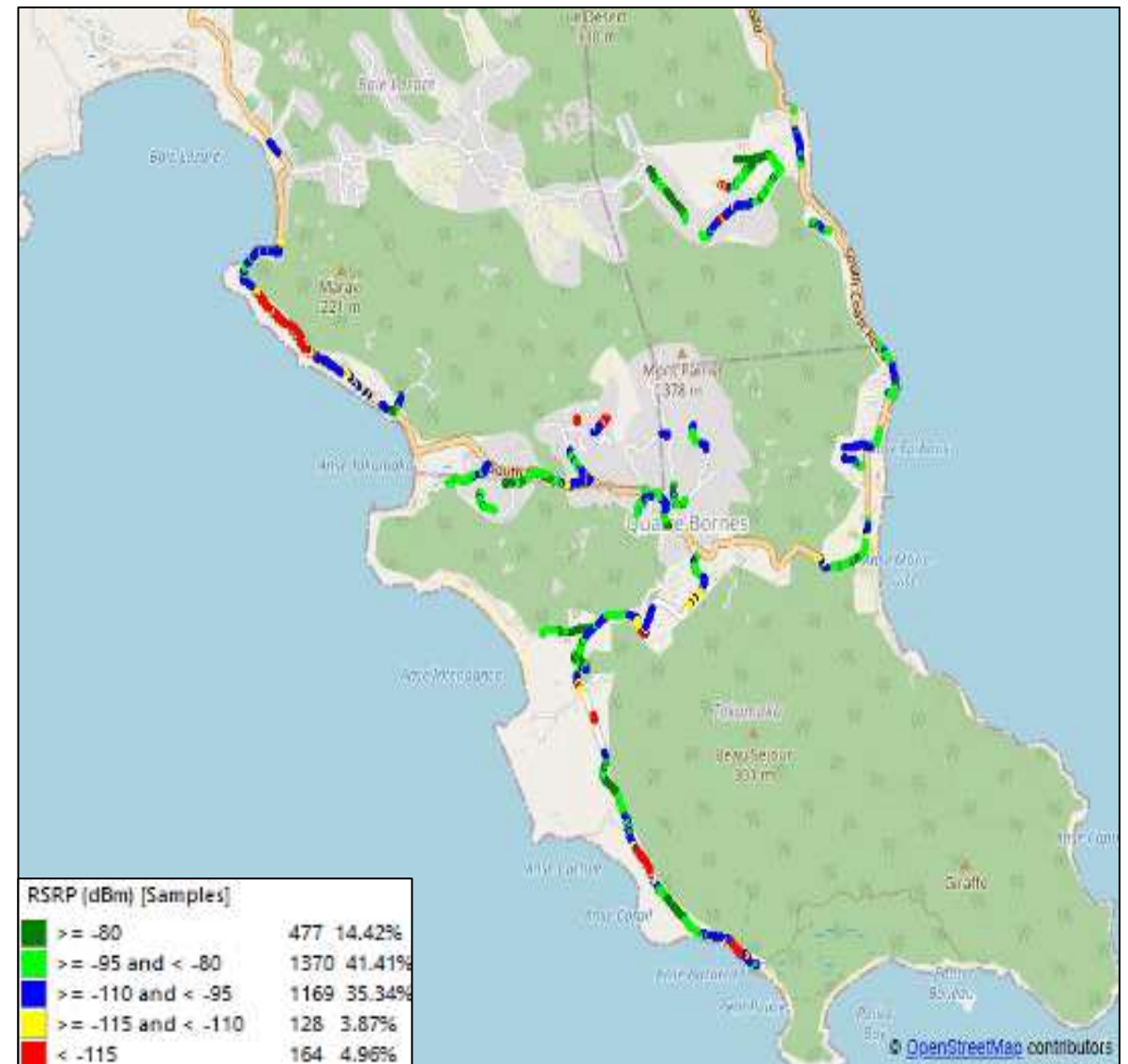
CWS LC MO



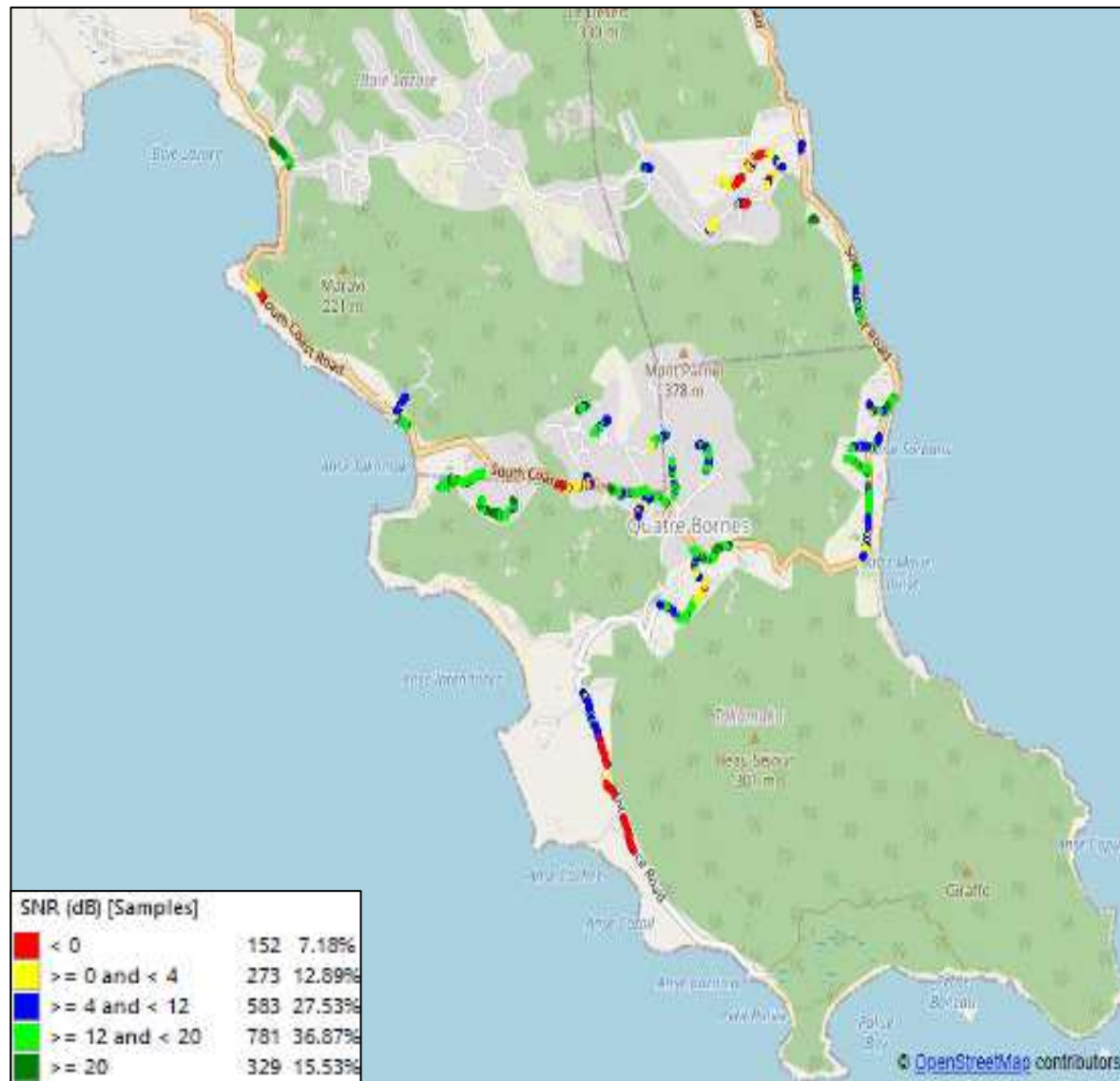
Airtel LC MO



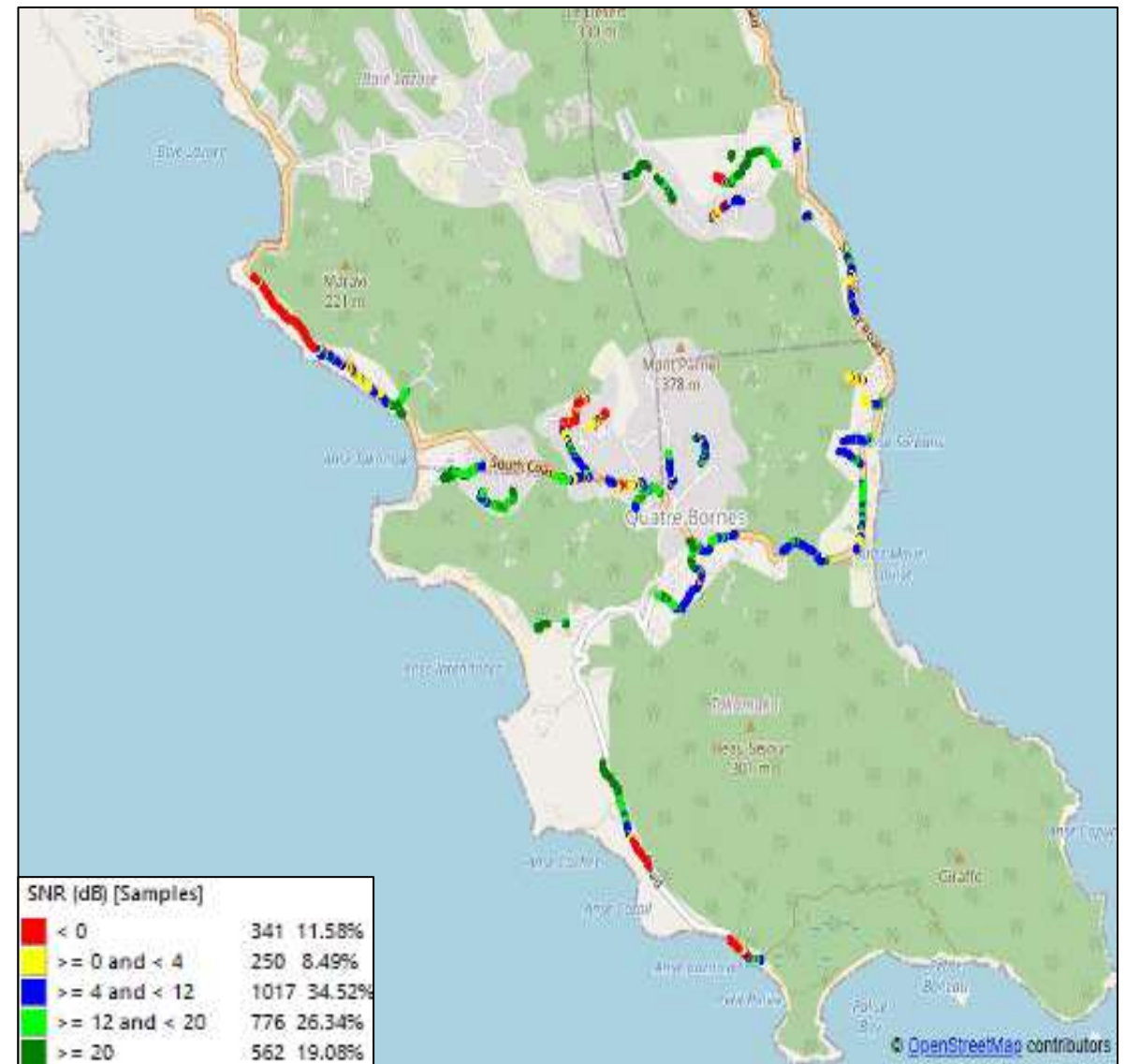
CWS LC MO



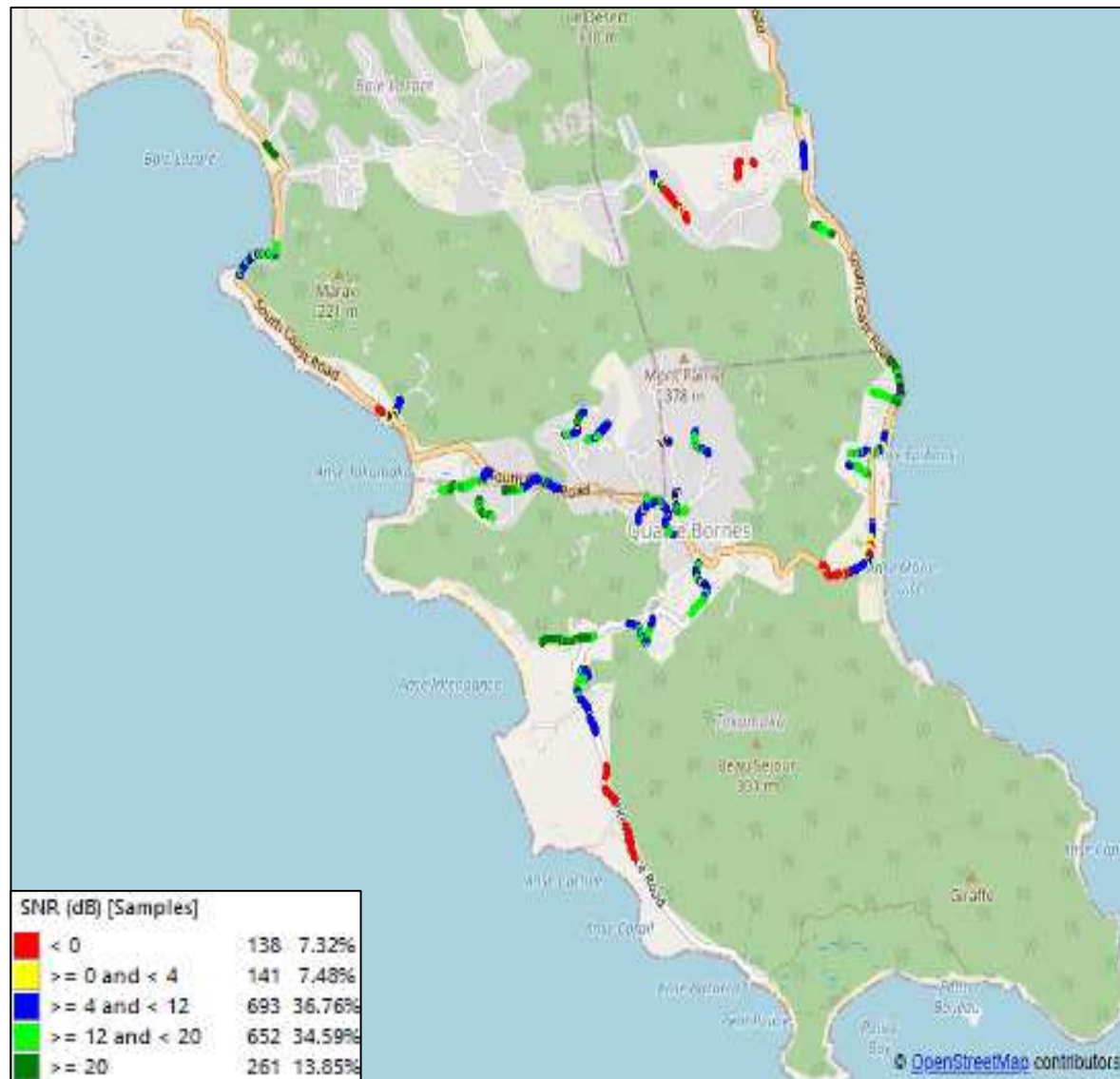
Airtel LC MO



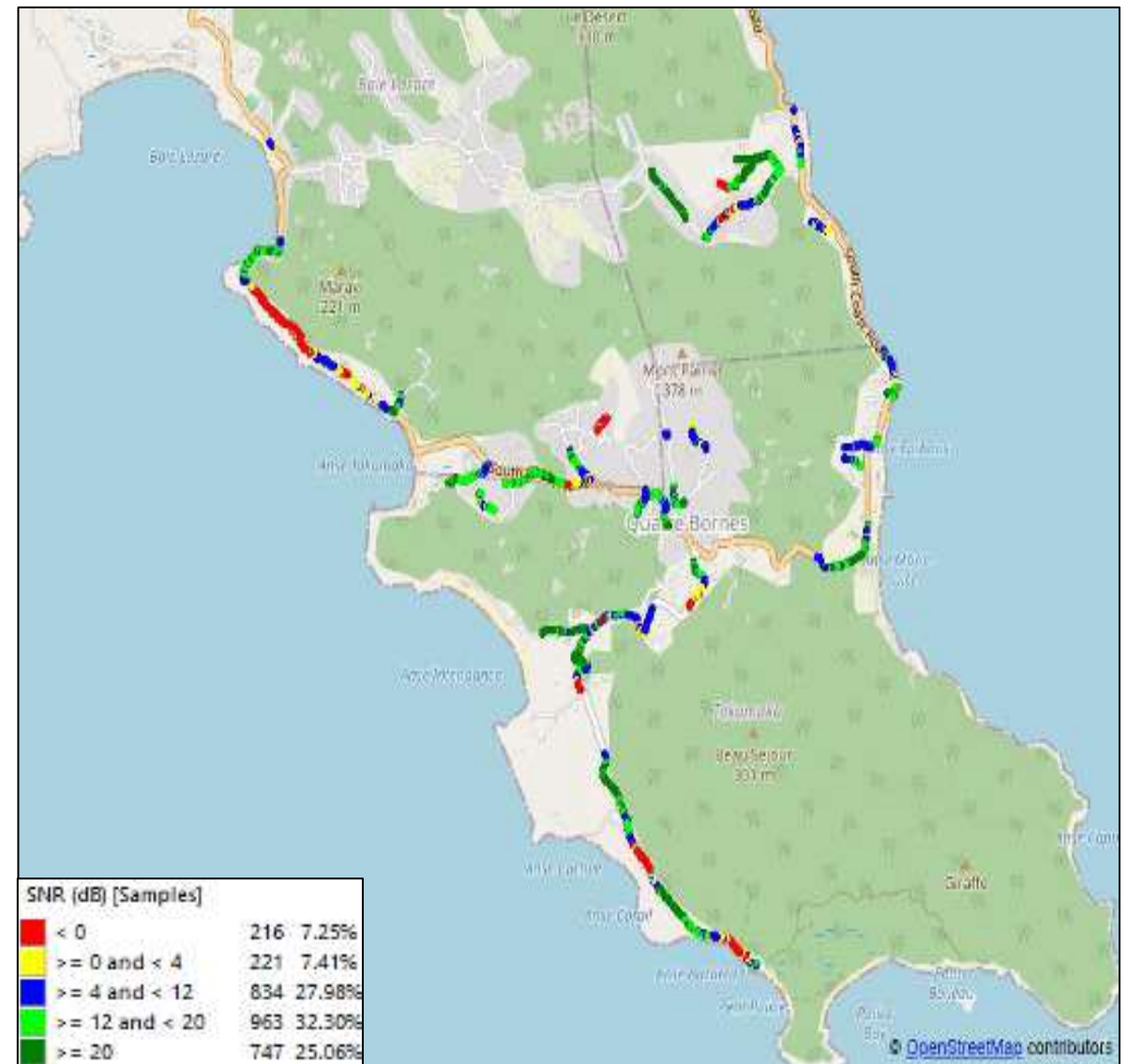
CWS LC MO



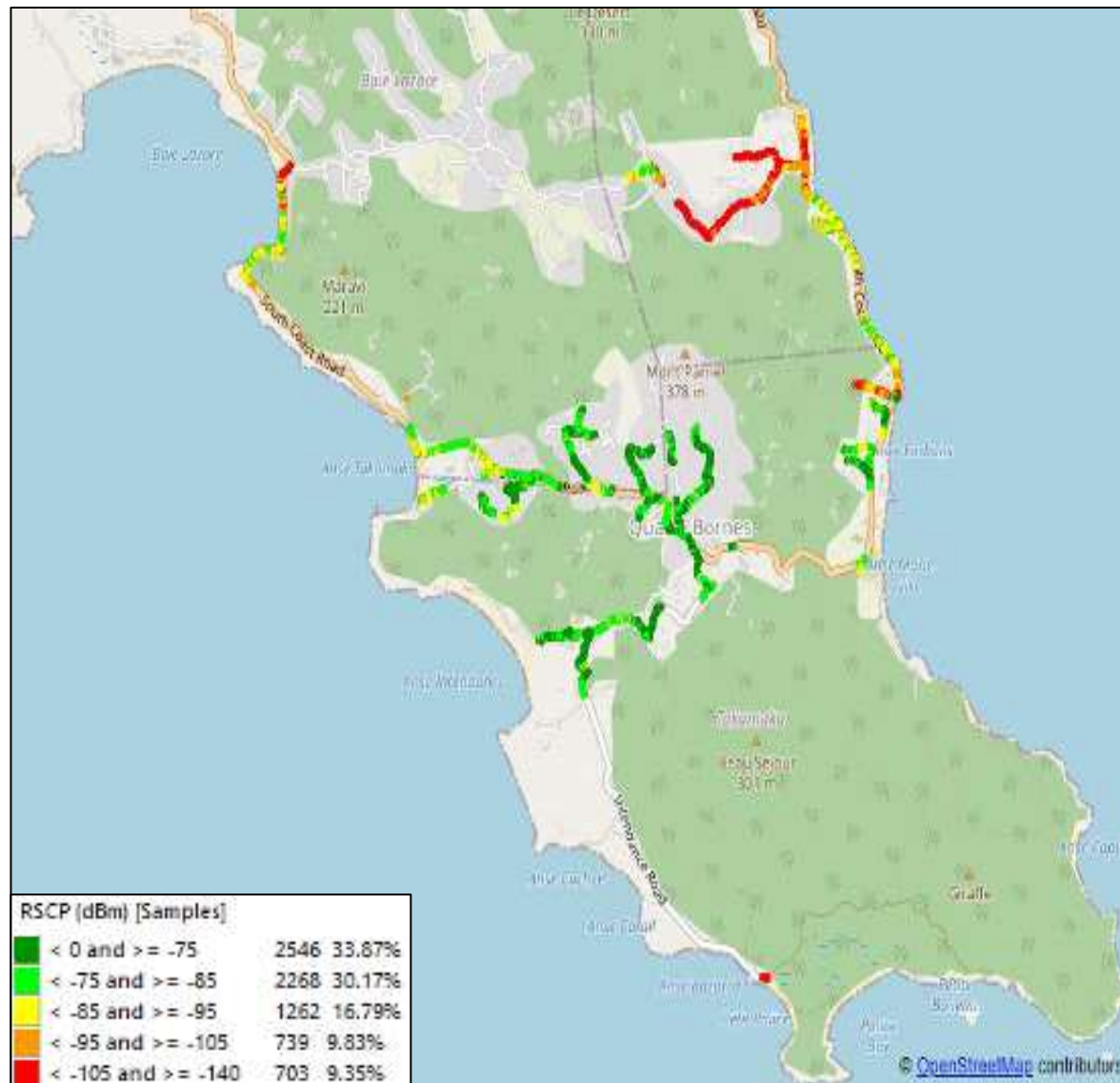
Airtel LC MO



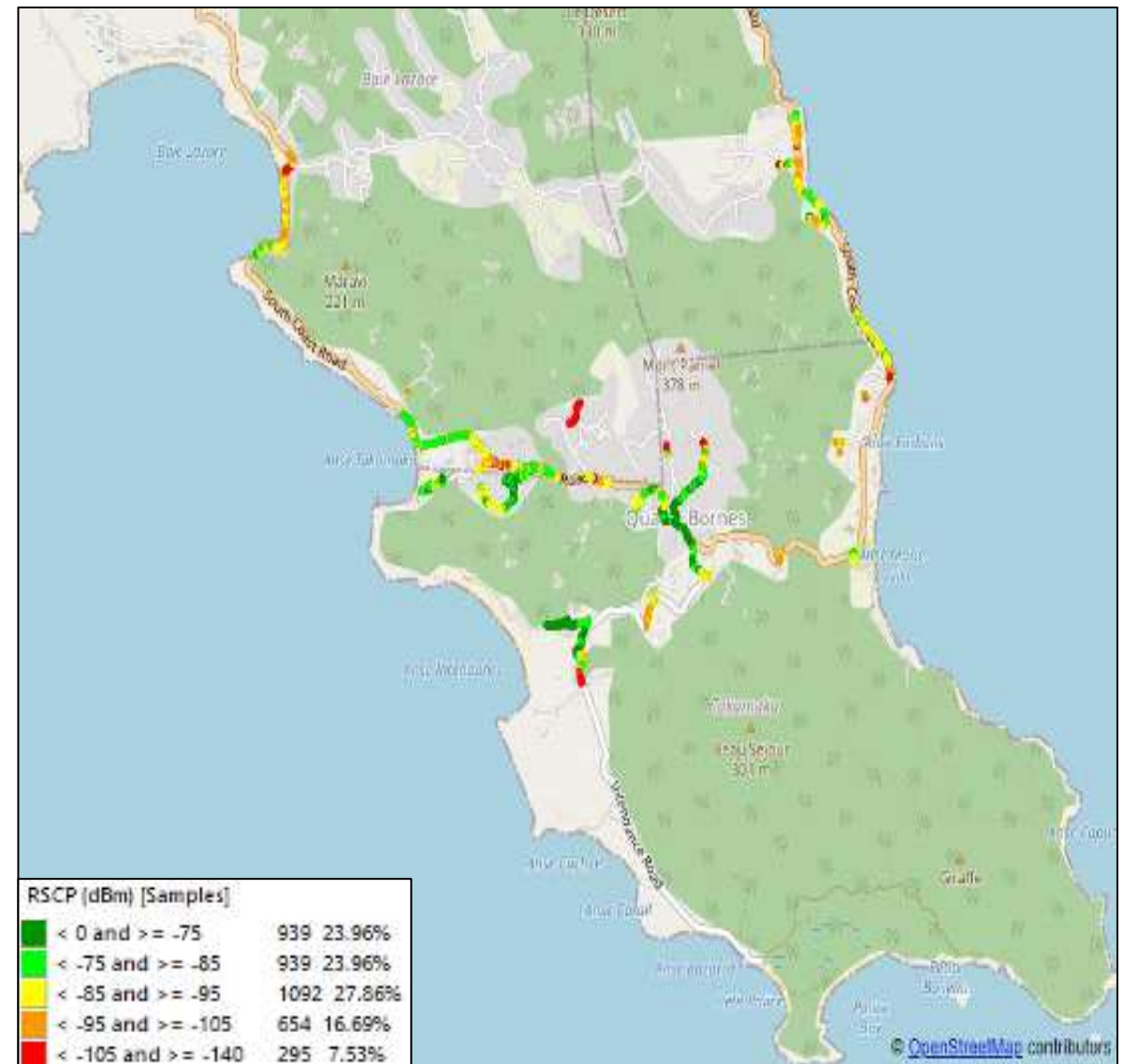
CWS LC MO



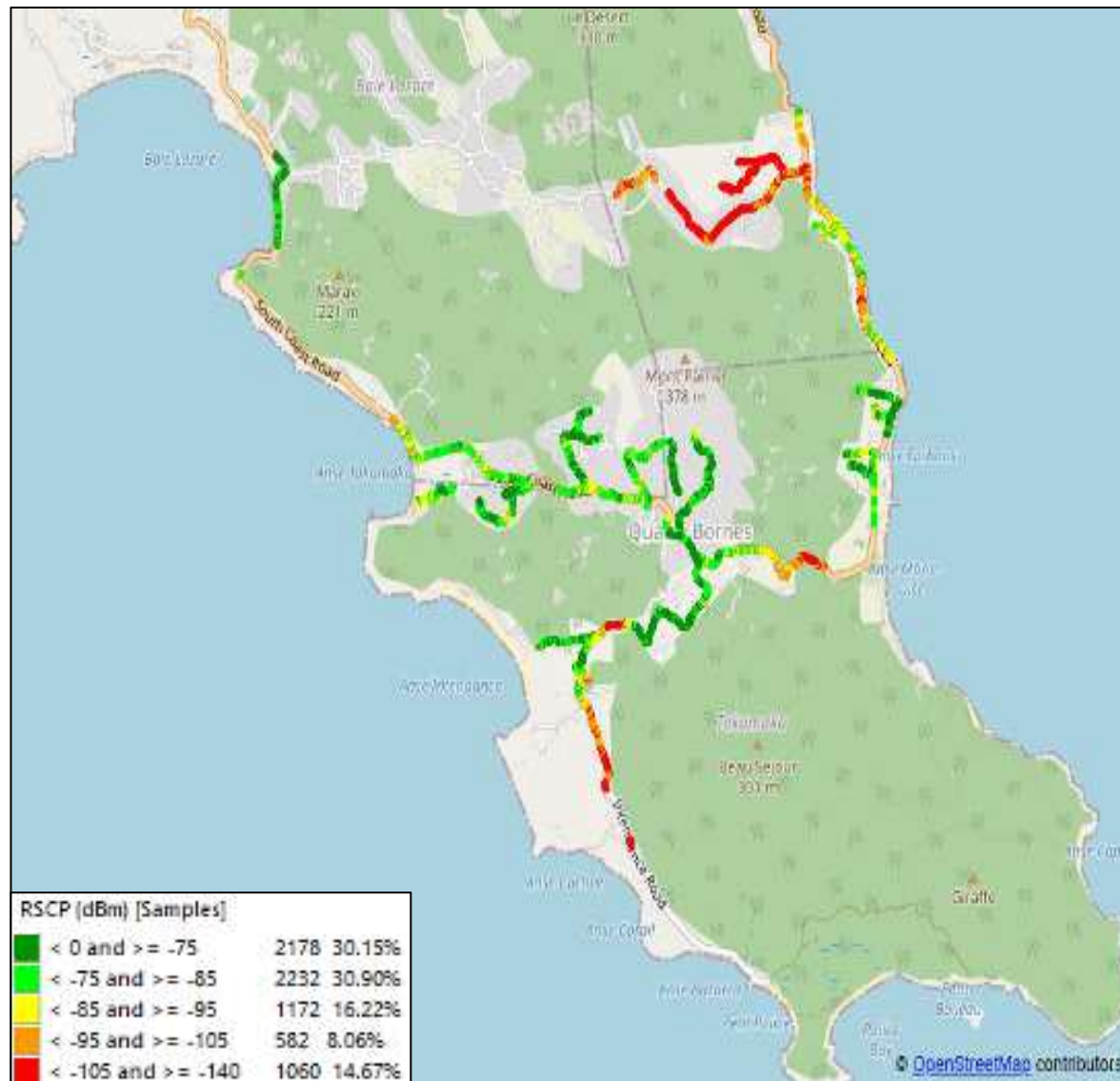
Airtel LC MO



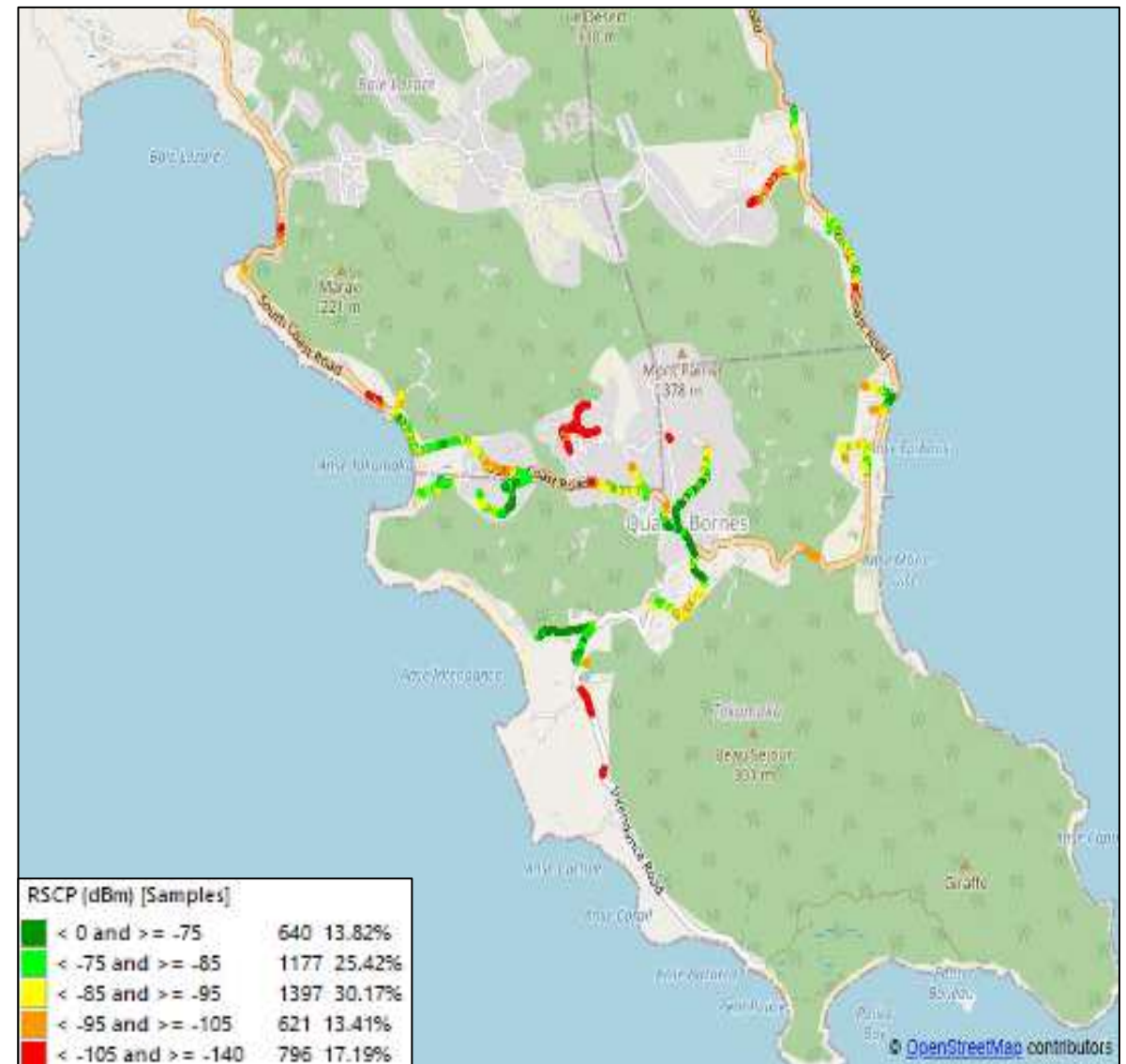
CWS LC MO



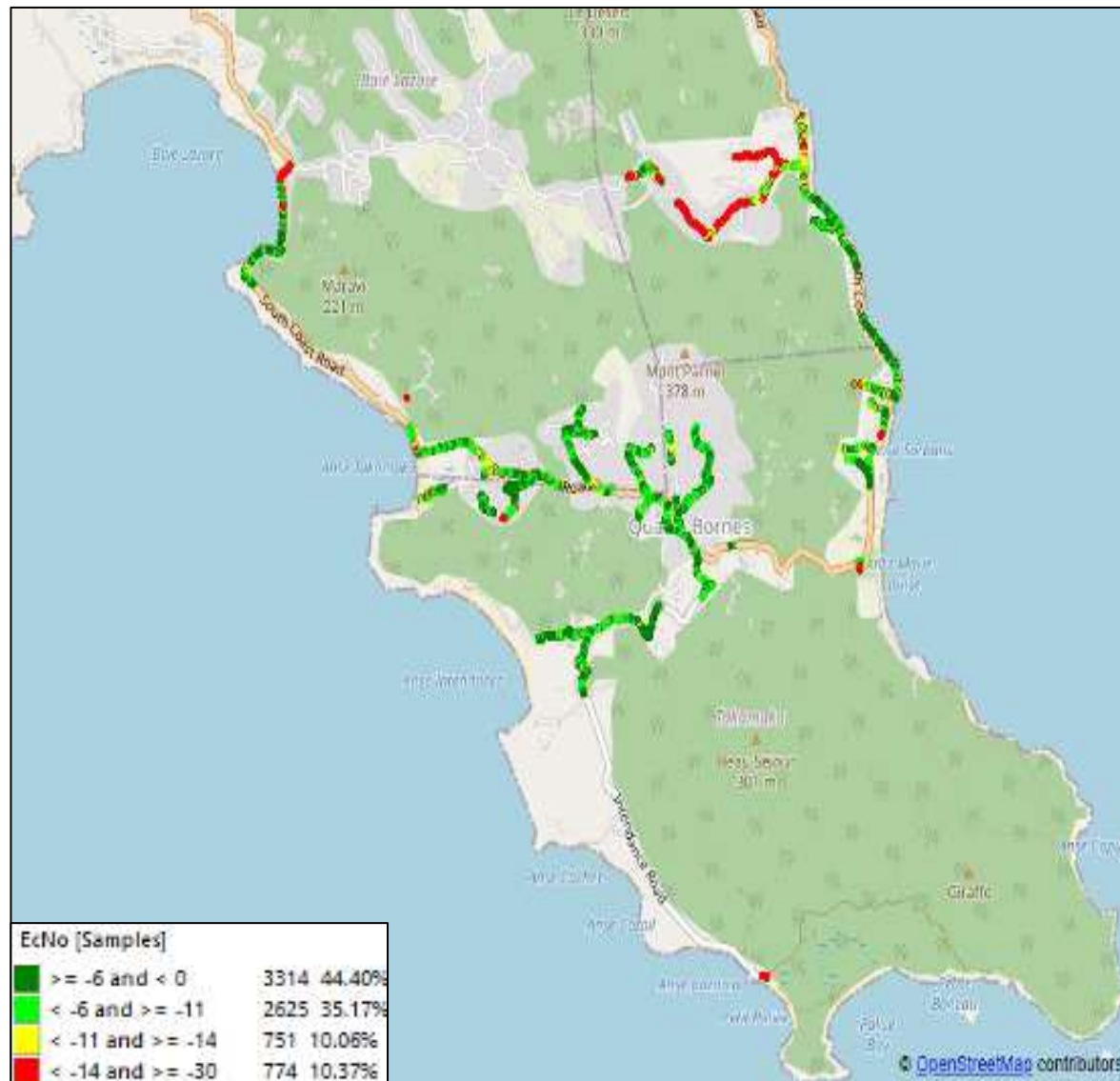
Airtel LC MO



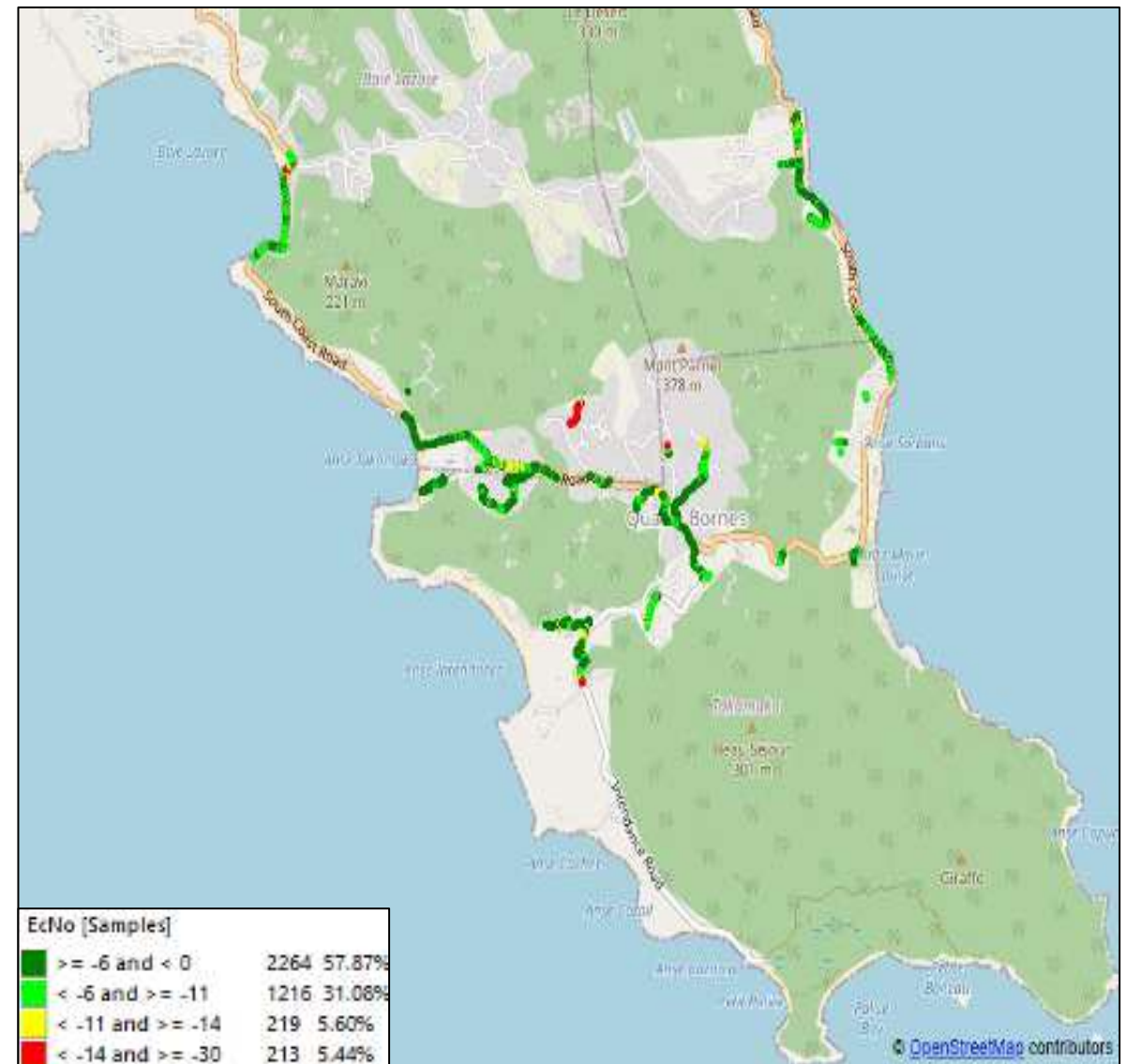
CWS LC MO



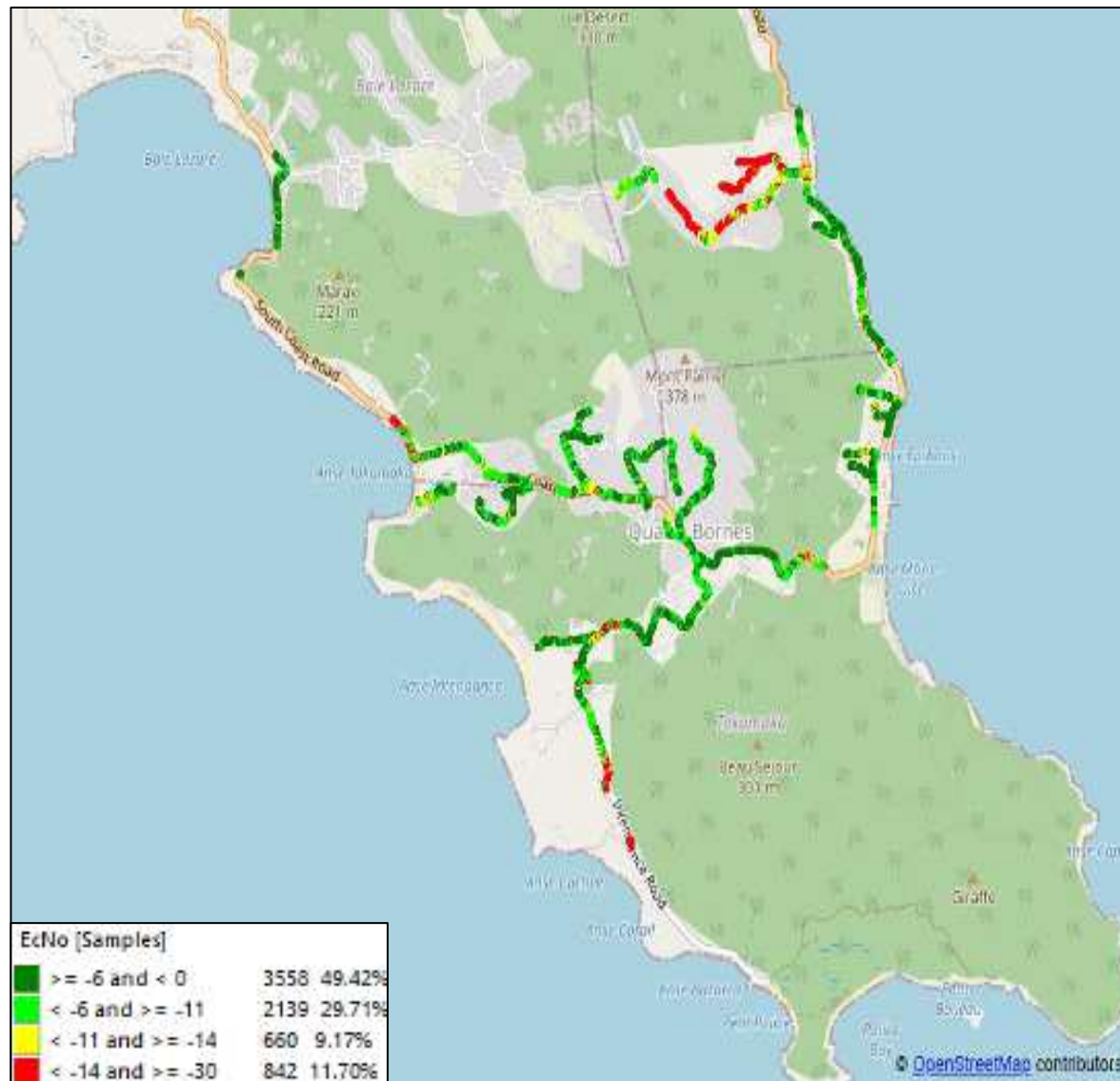
Airtel LC MO



CWS LC MO



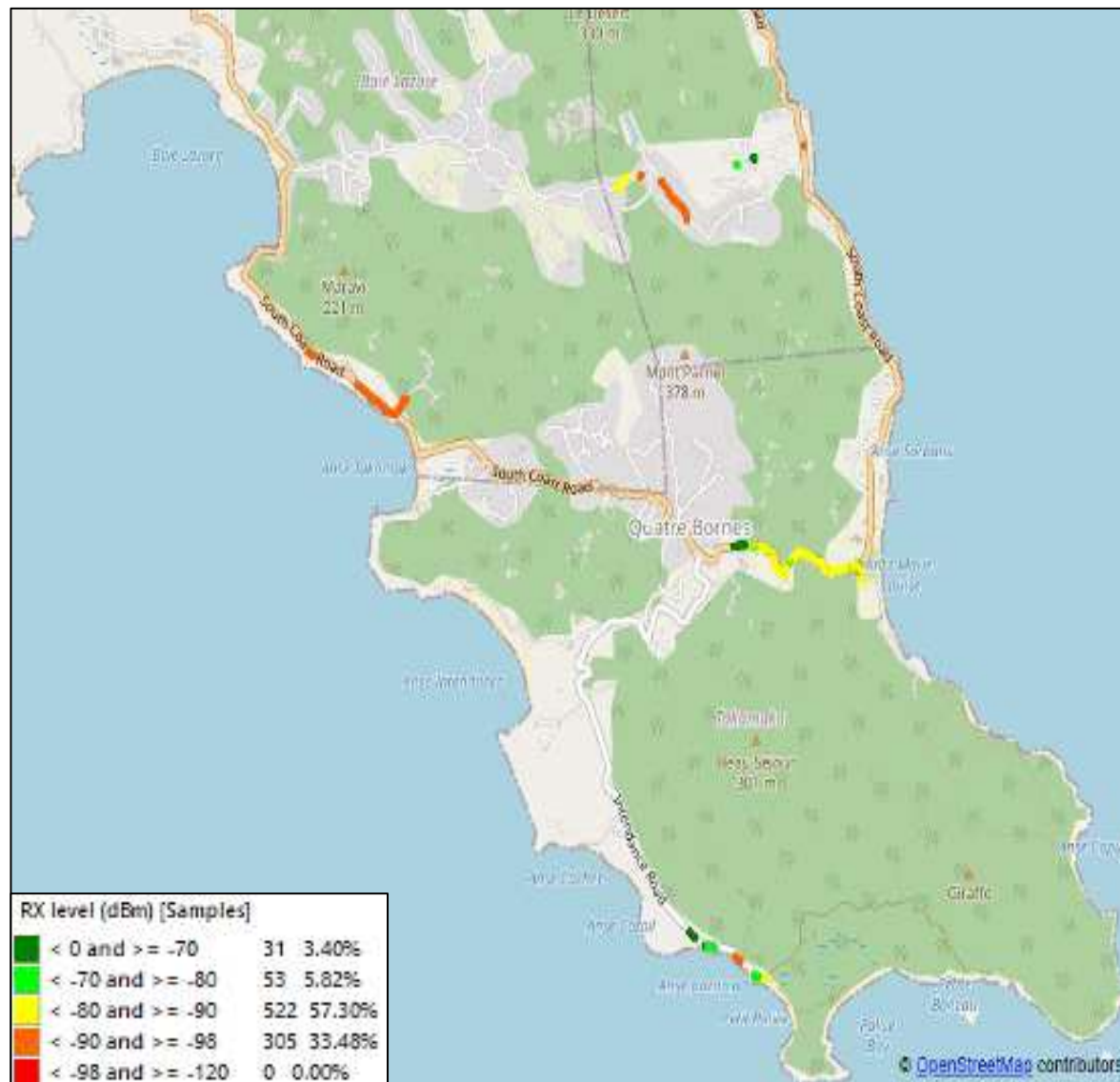
Airtel LC MO



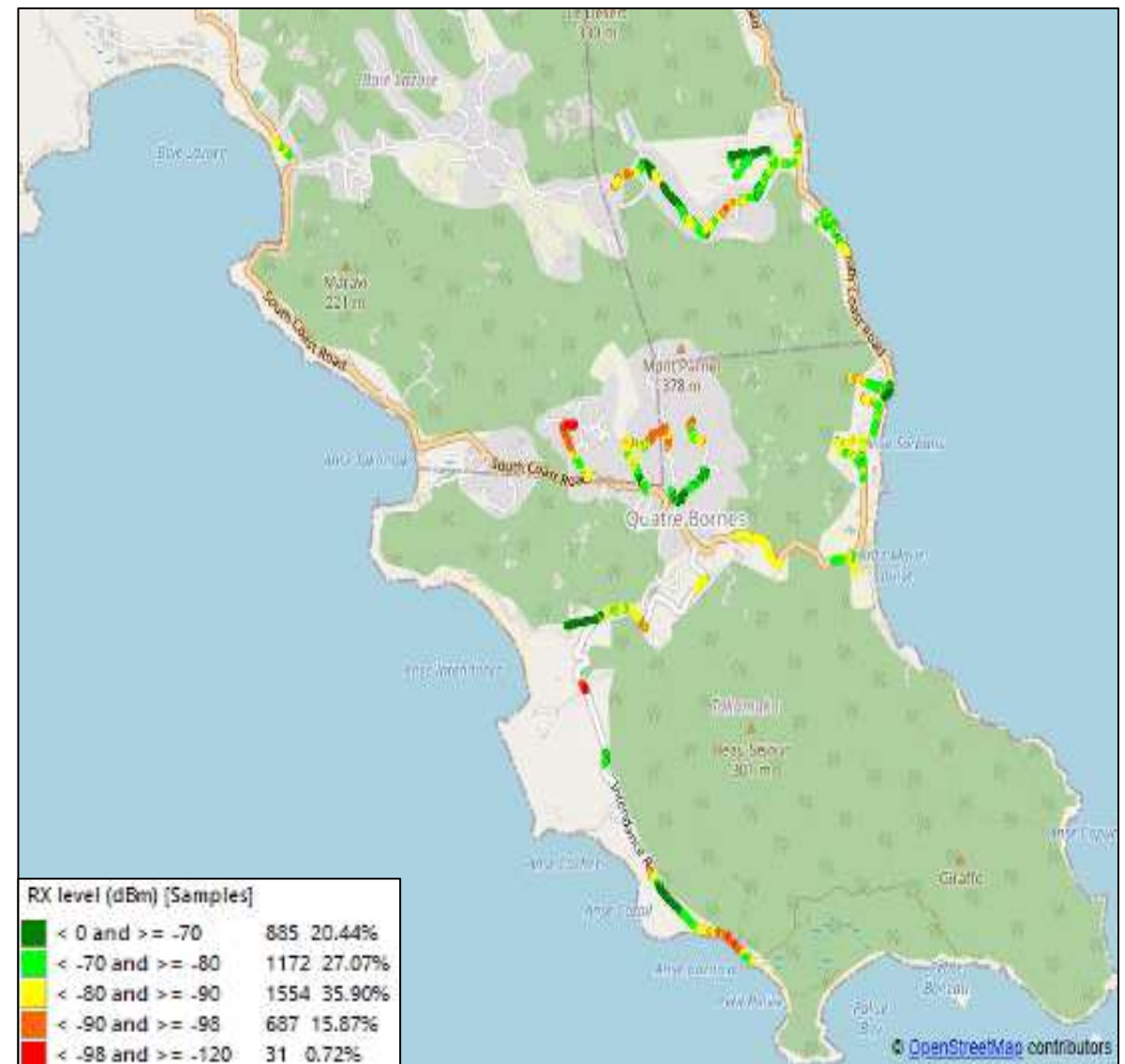
CWS LC MO



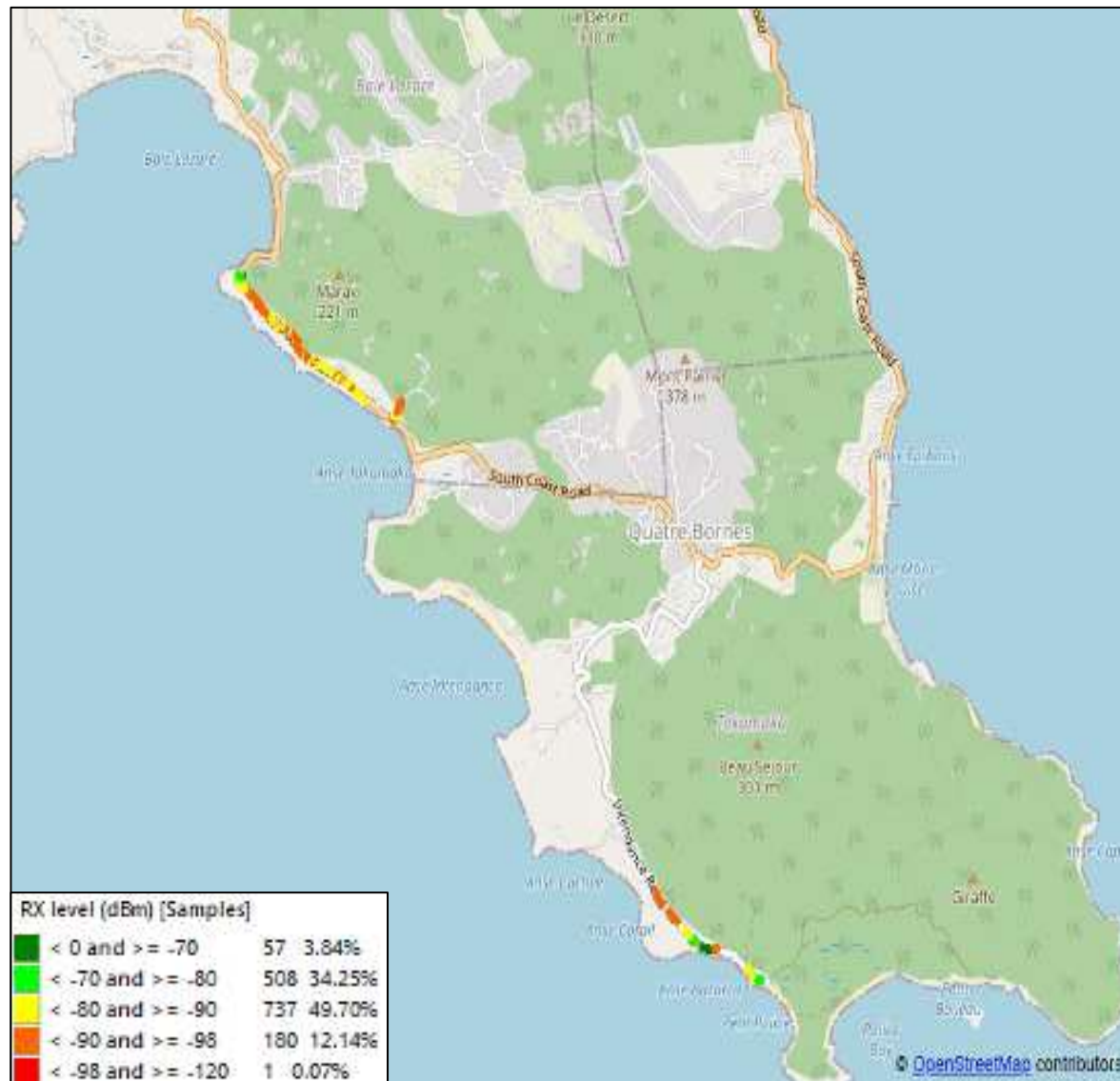
Airtel LC MO



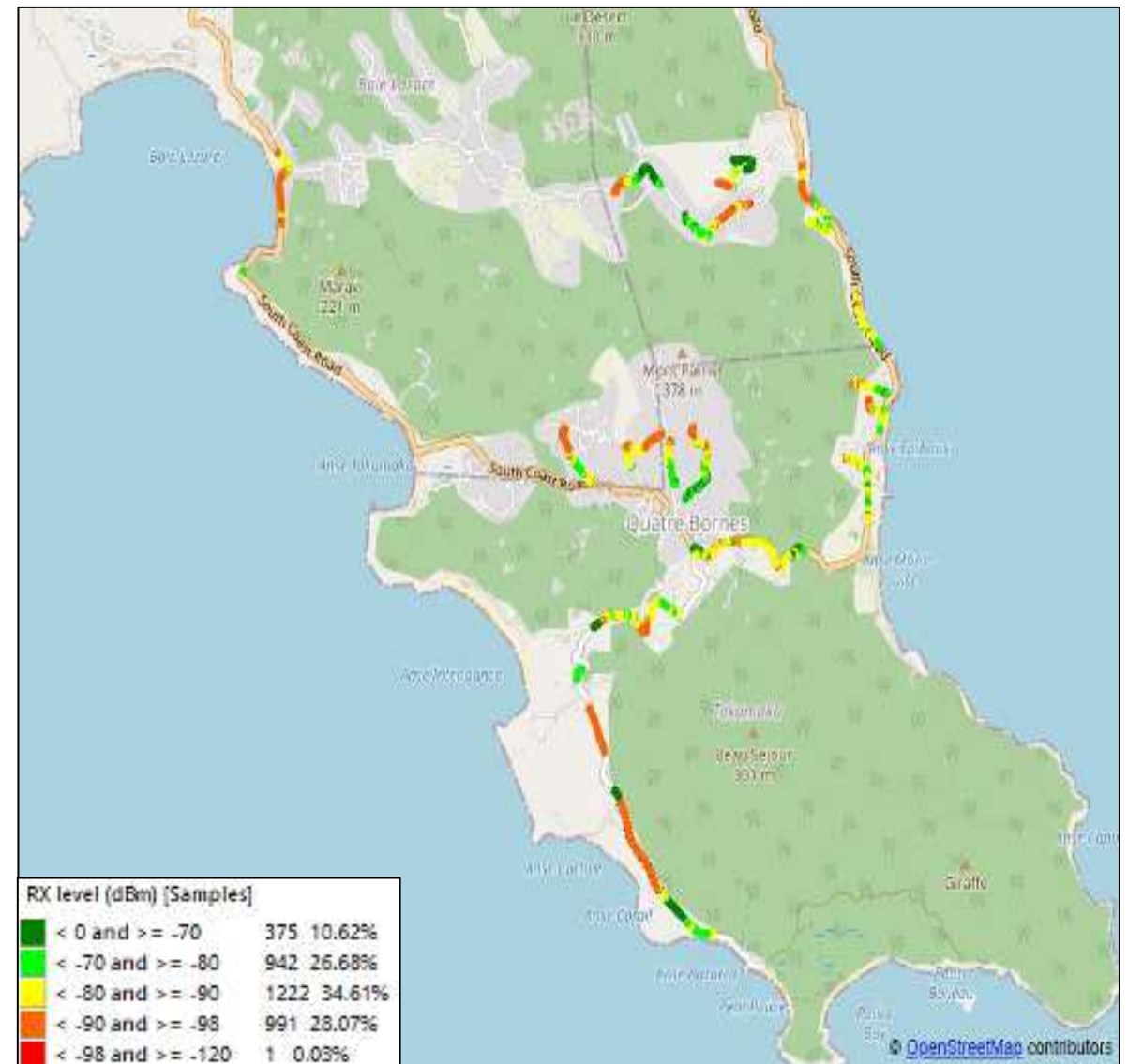
CWS LC MO



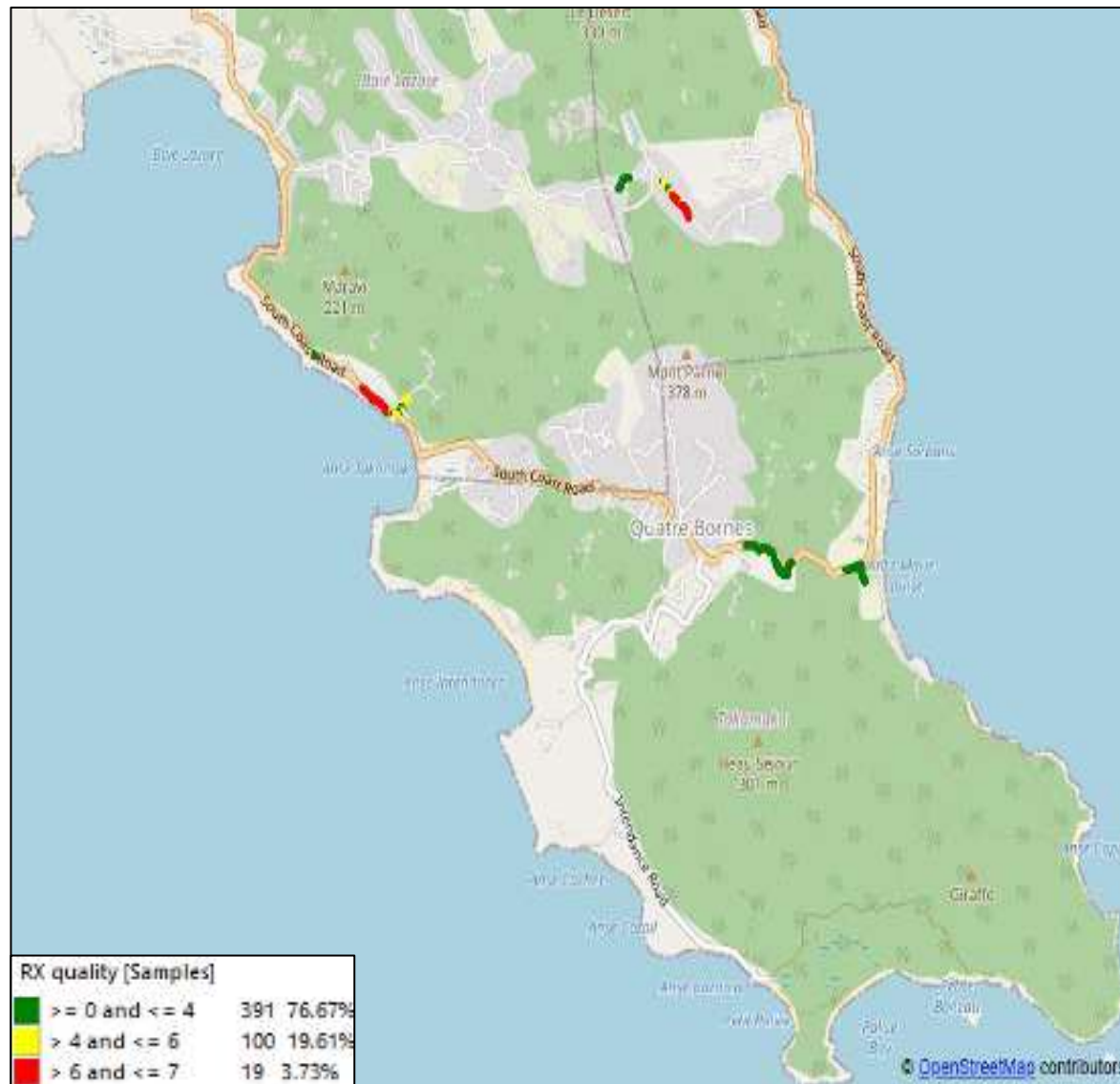
Airtel LC MO



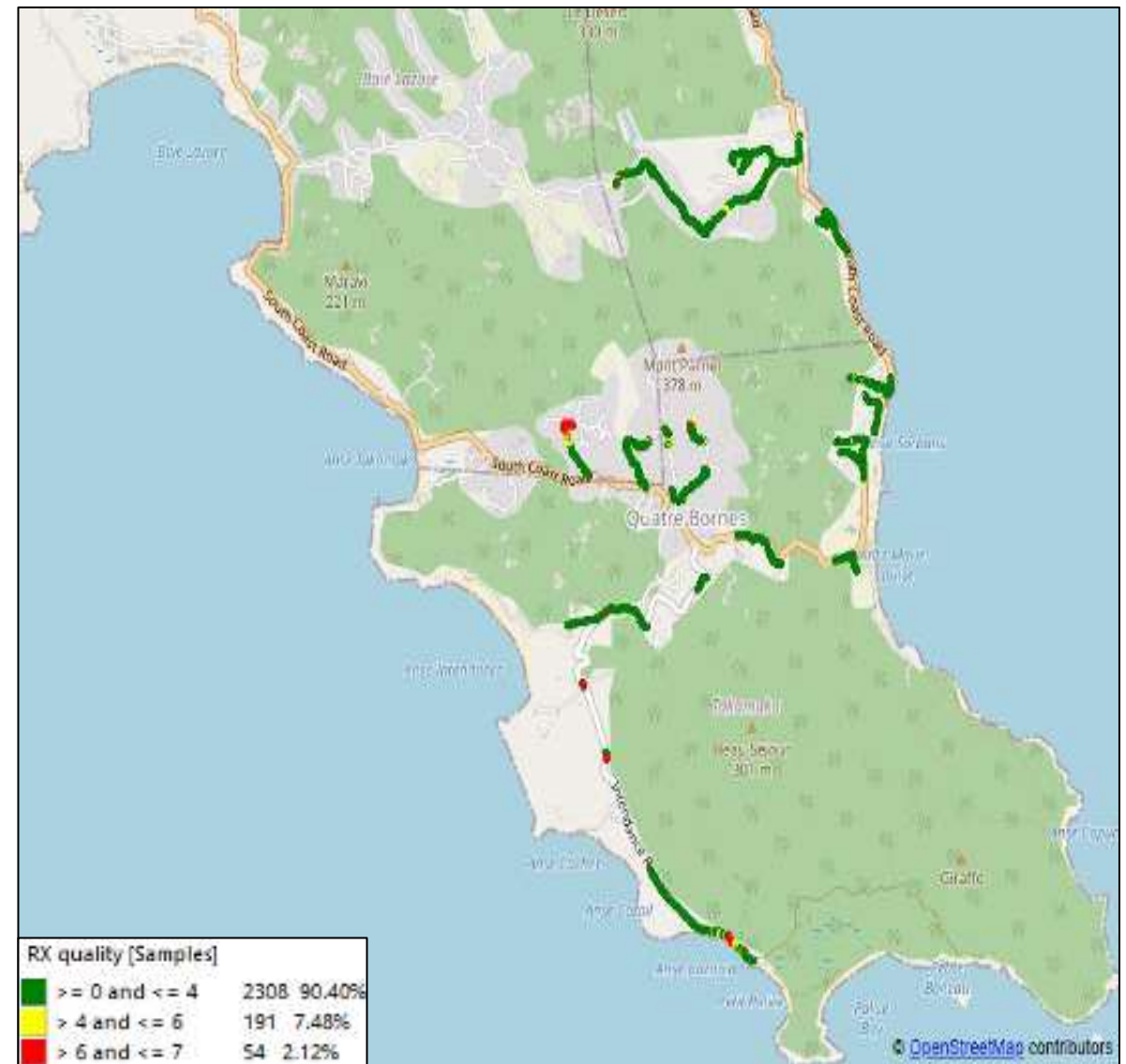
CWS LC MO



Airtel LC MO



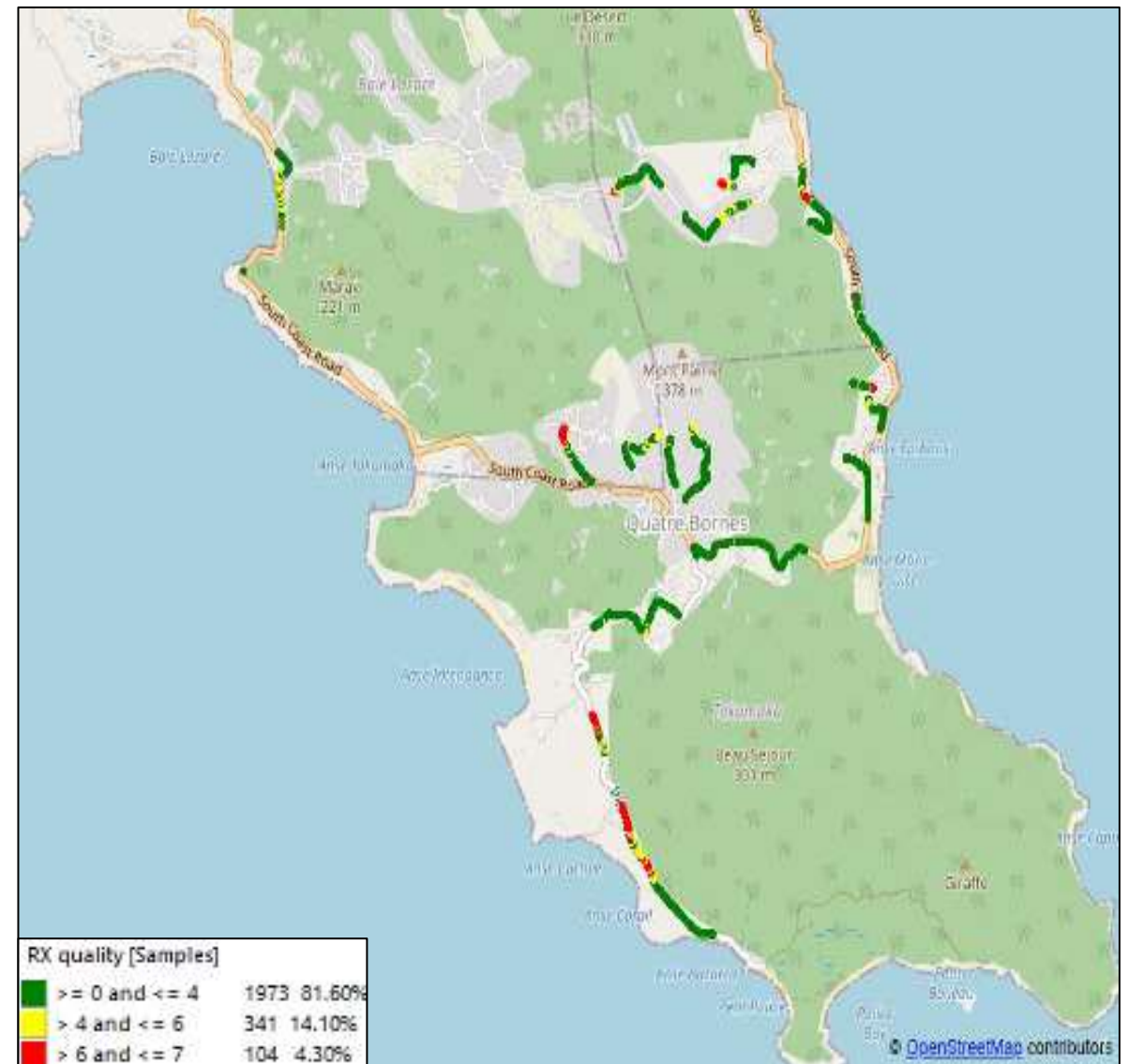
CWS LC MO



Airtel LC MO

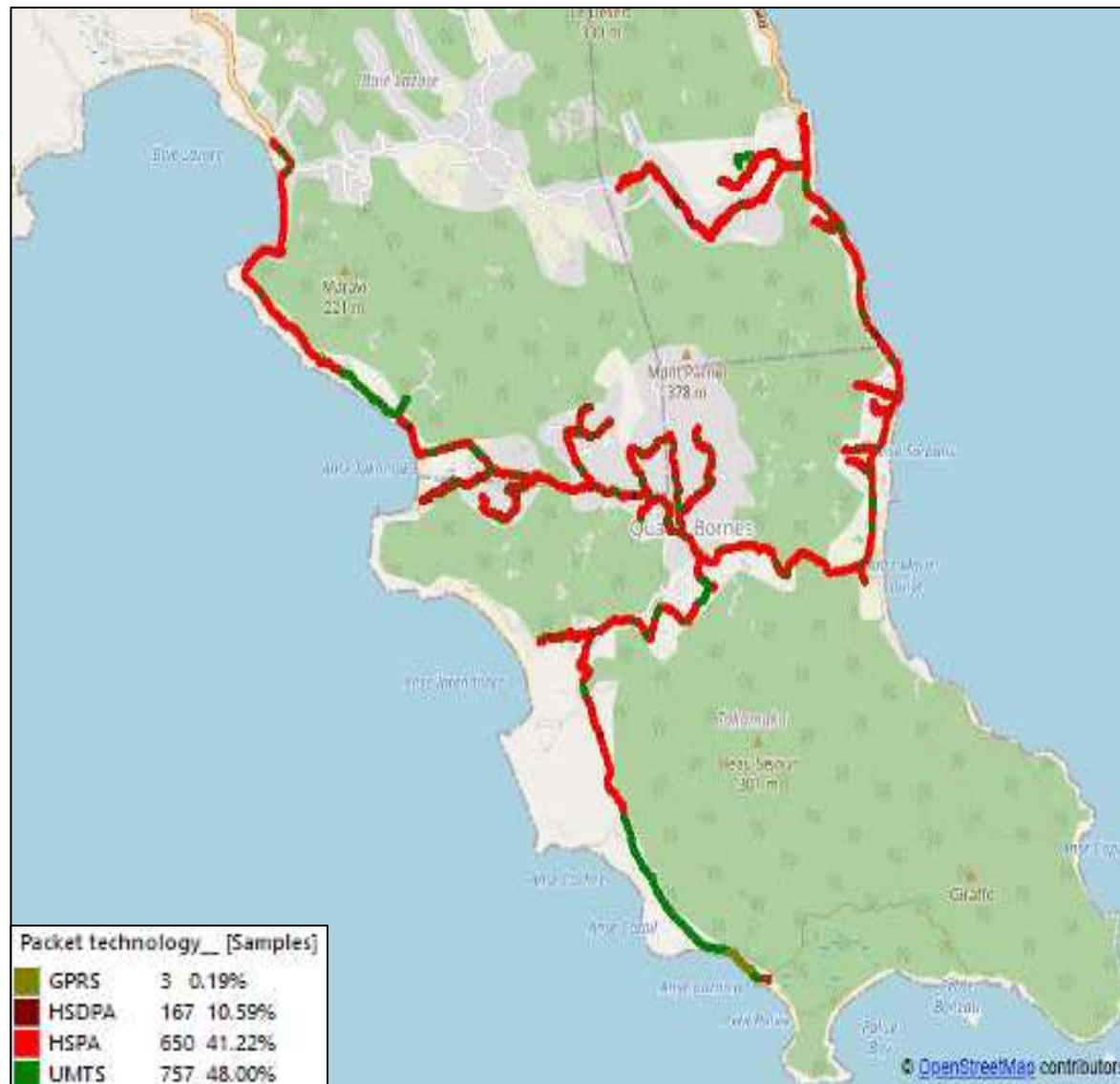


CWS LC MO

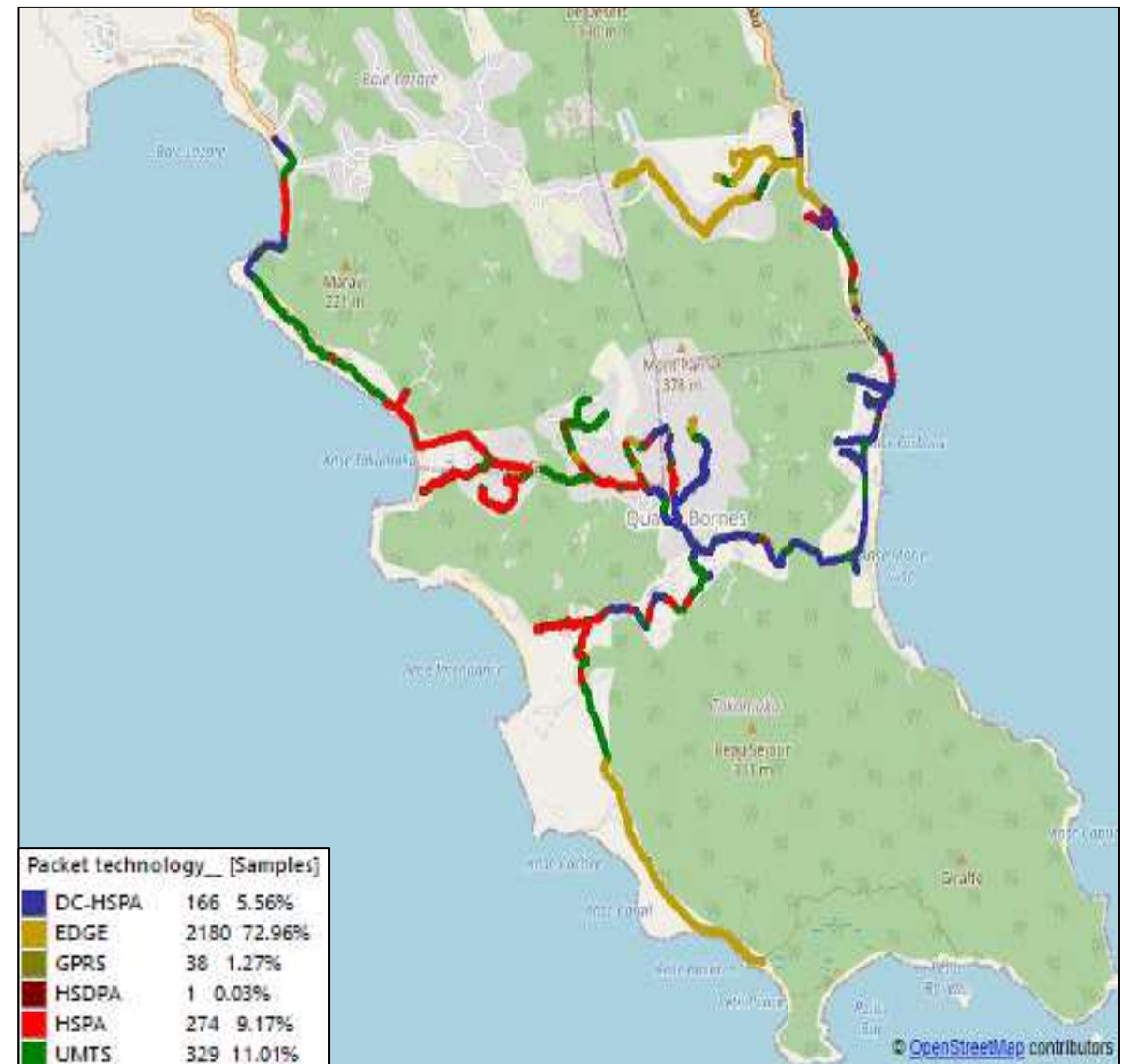


3G PREFERRED DATA DRIVE PLOTS

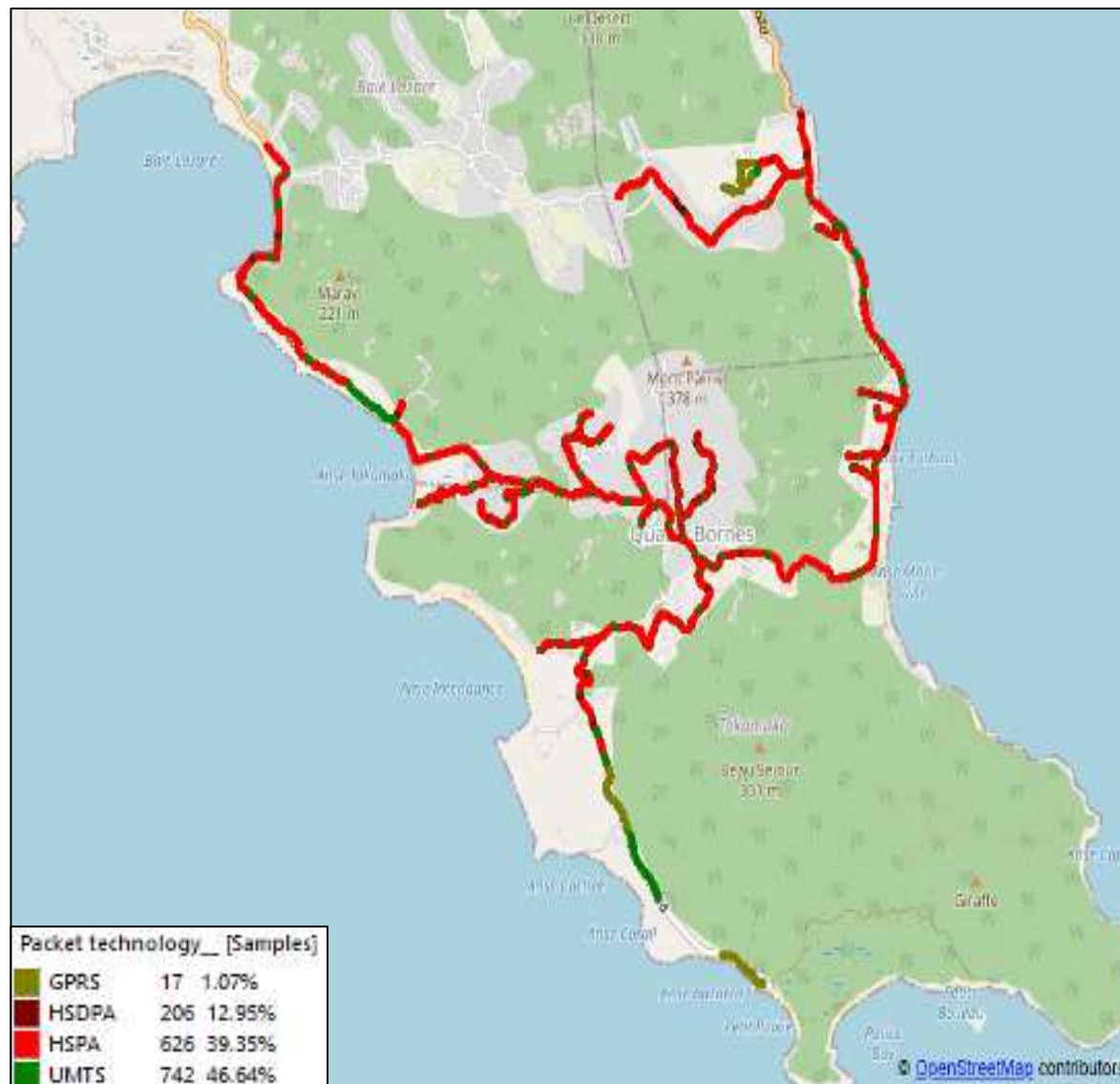
Airtel Data 3G



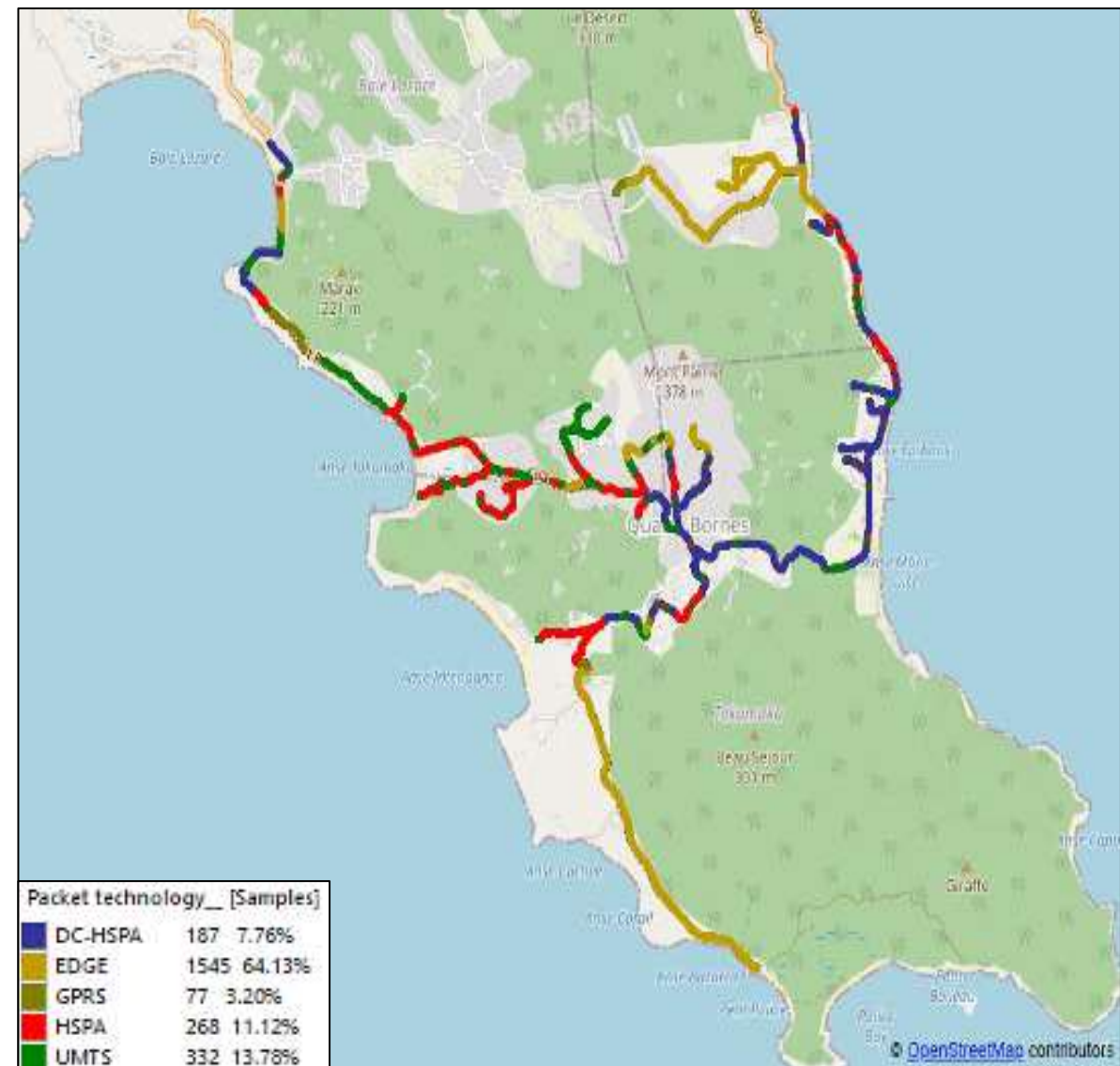
CWS Data 3G



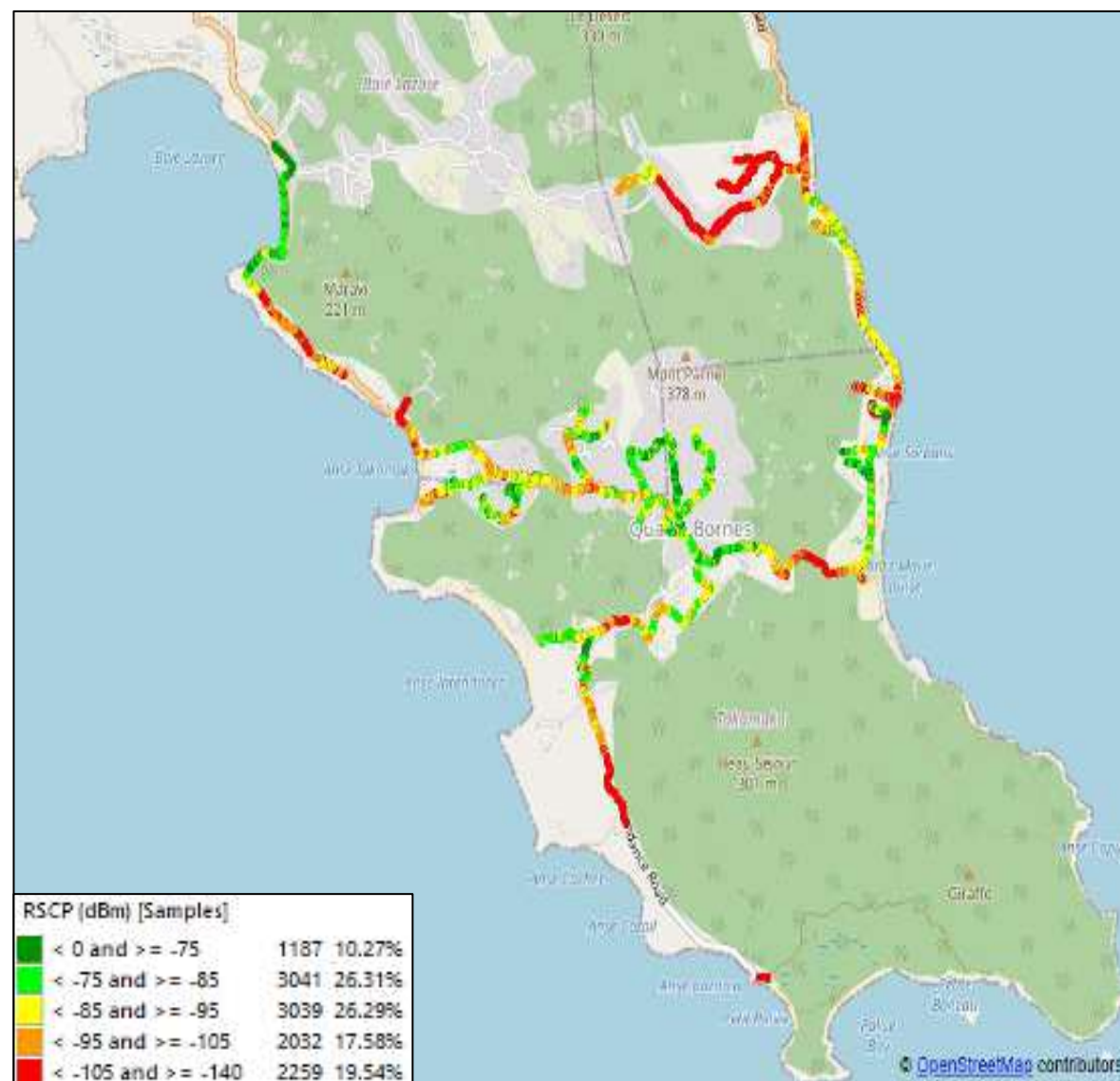
Airtel Data 3G



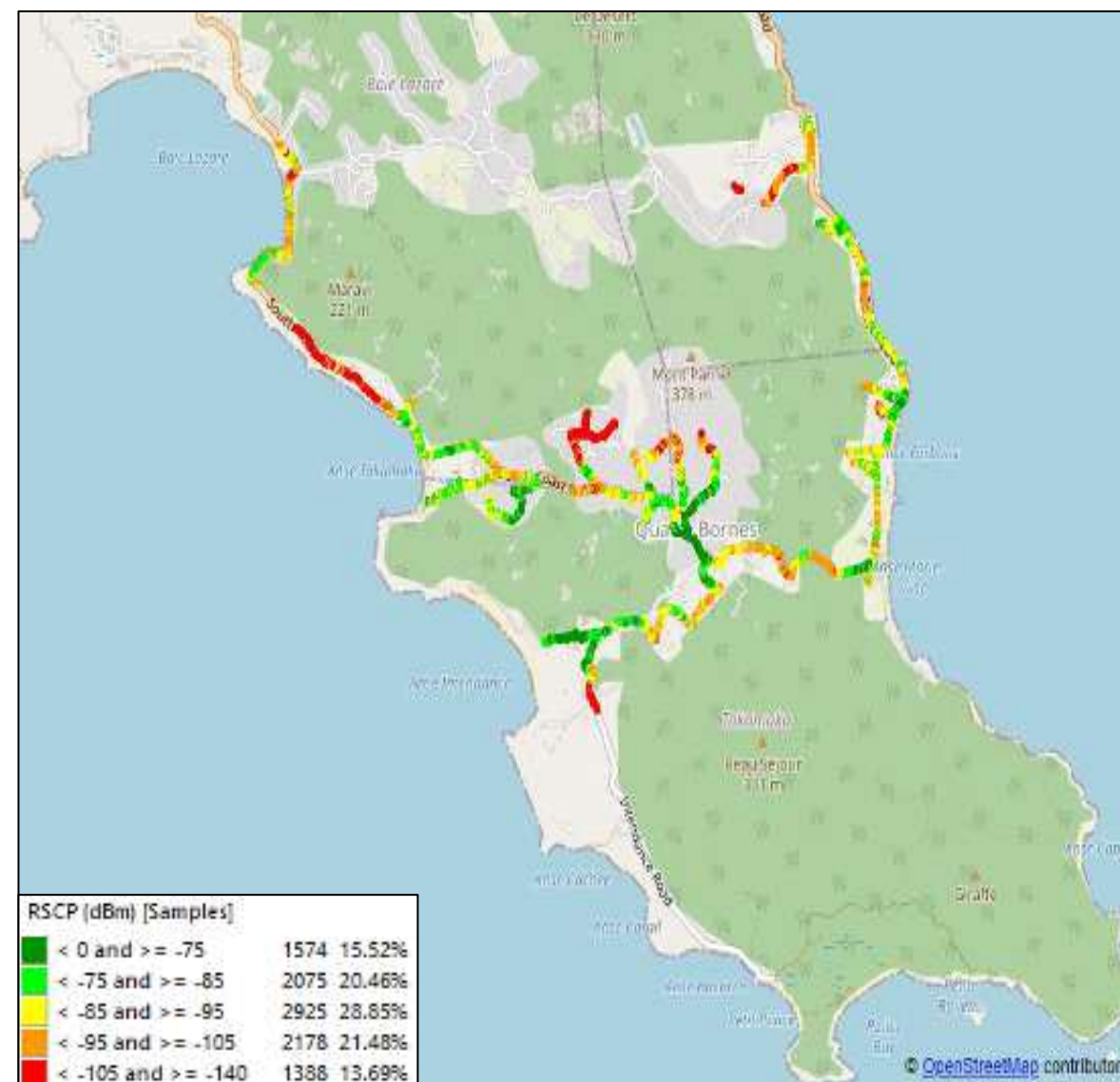
CWS Data 3G



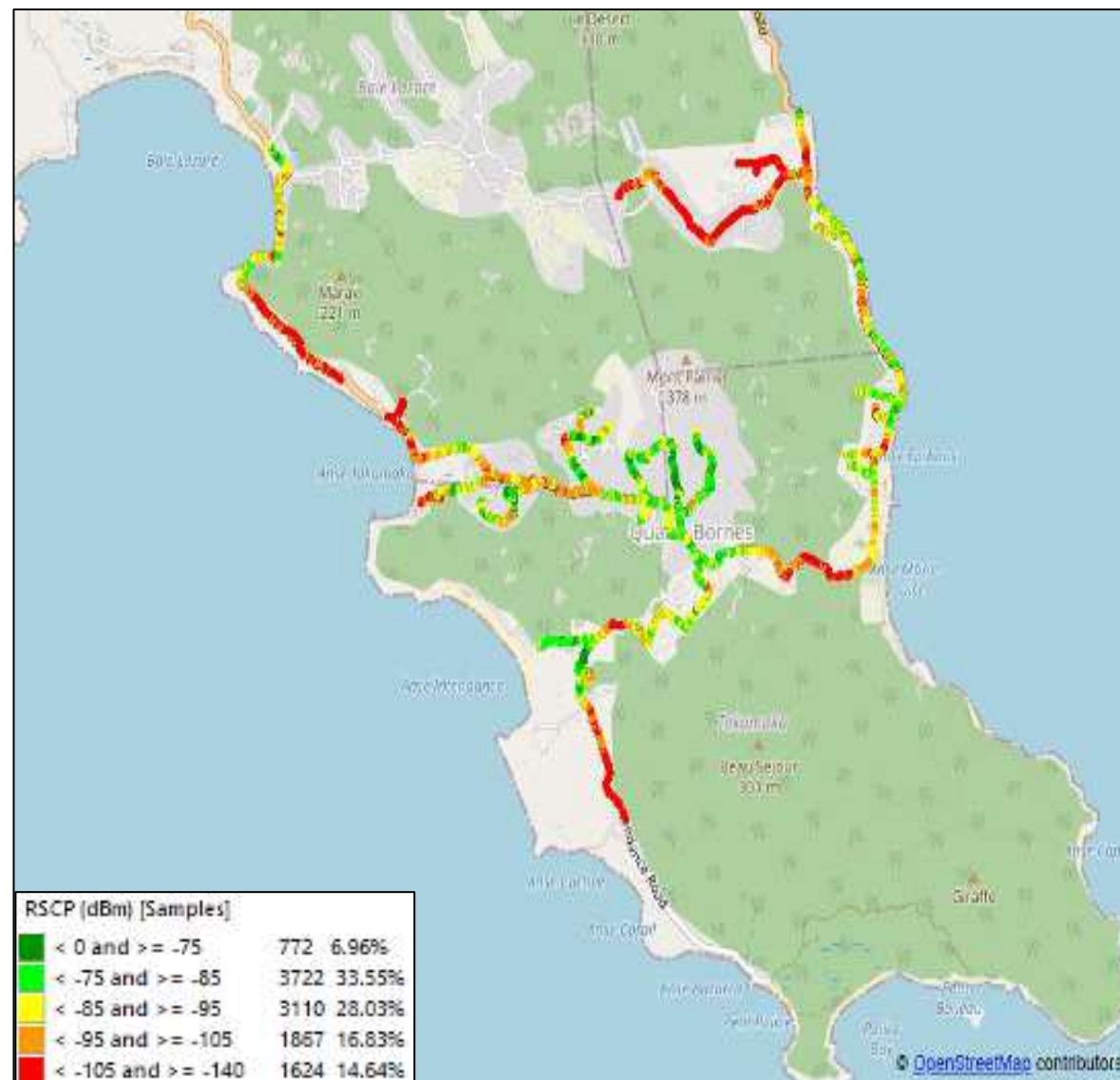
Airtel Data 3G



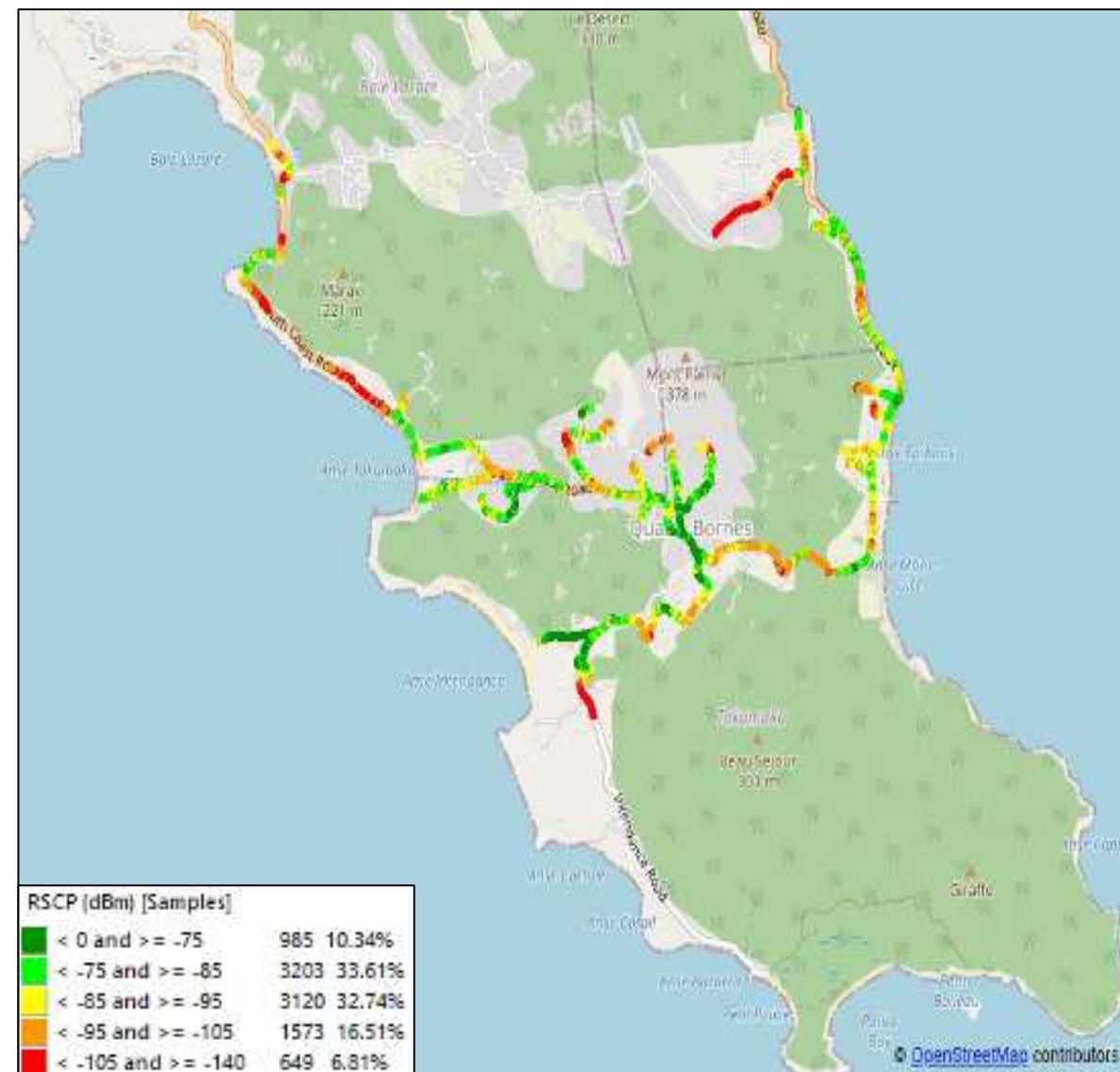
CWS Data 3G



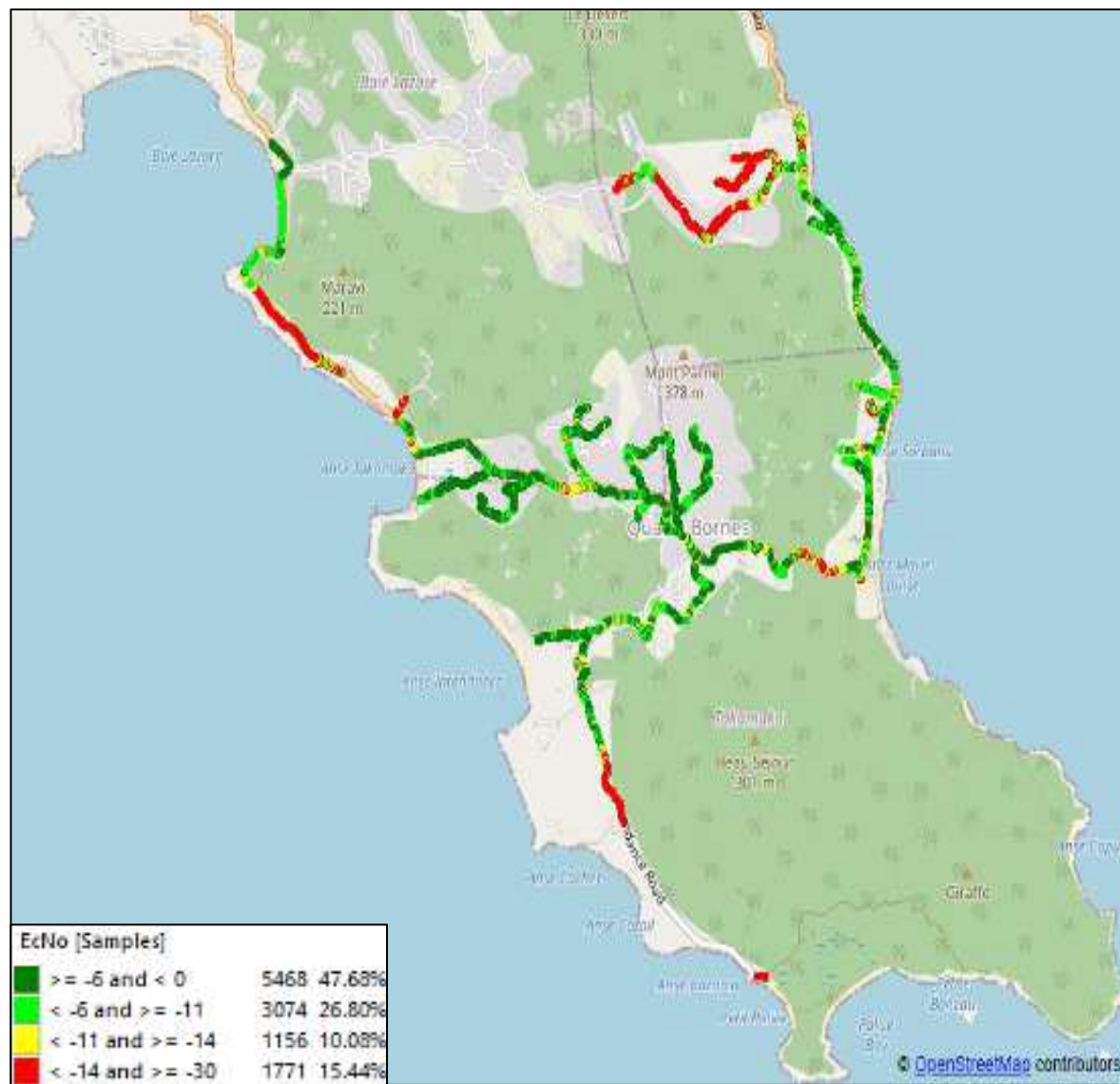
Airtel Data 3G



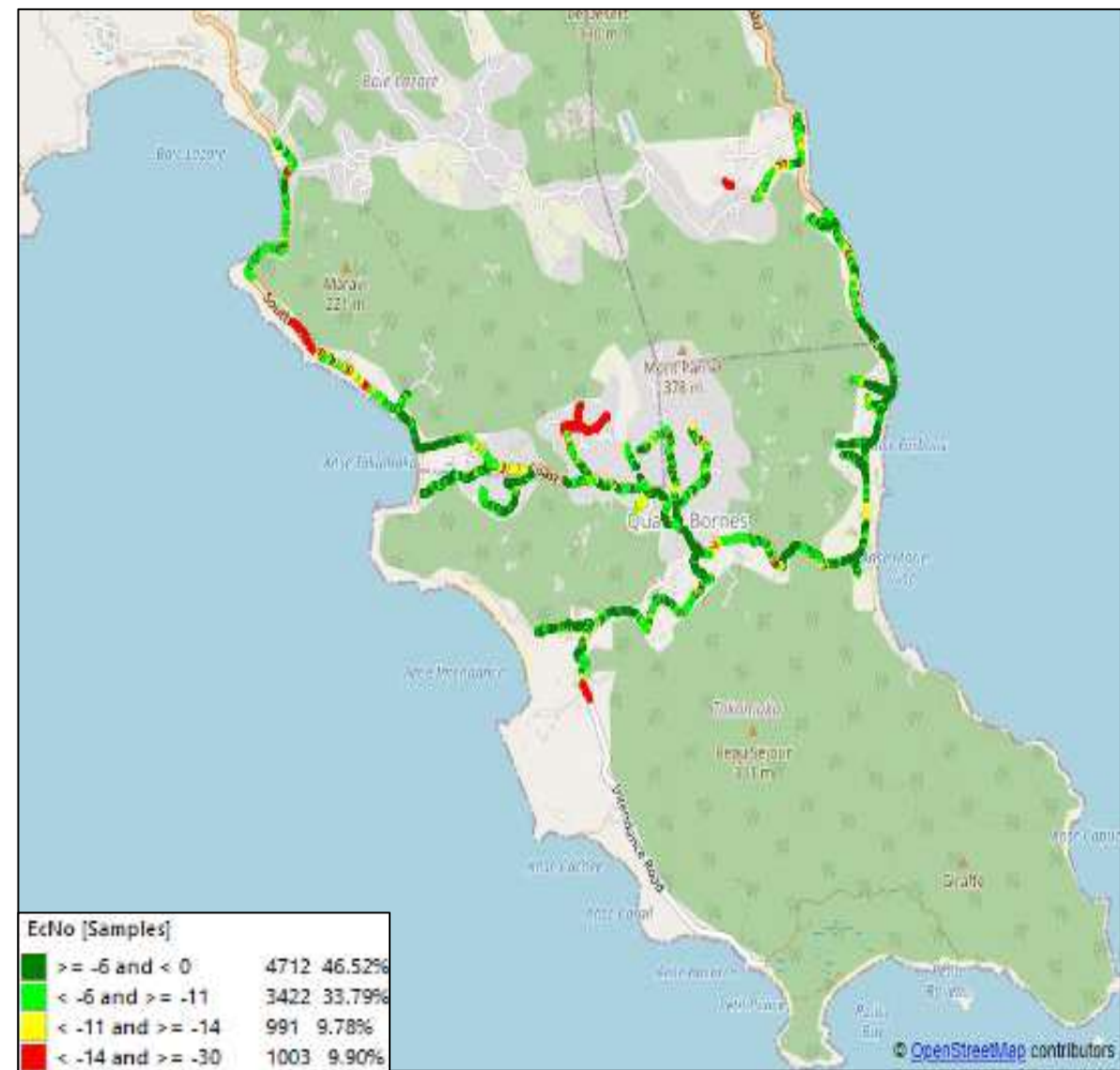
CWS Data 3G



Airtel Data 3G



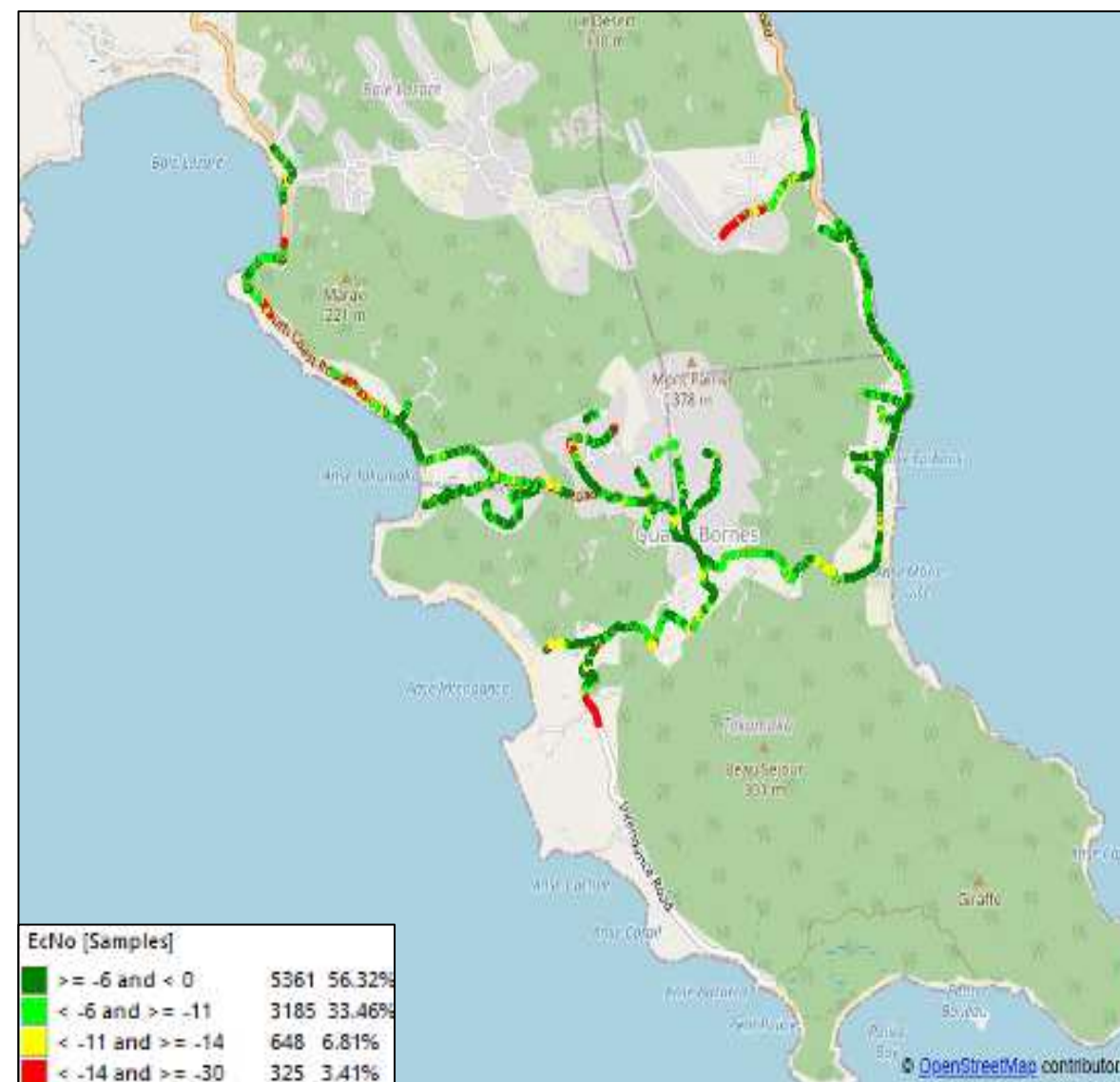
CWS Data 3G



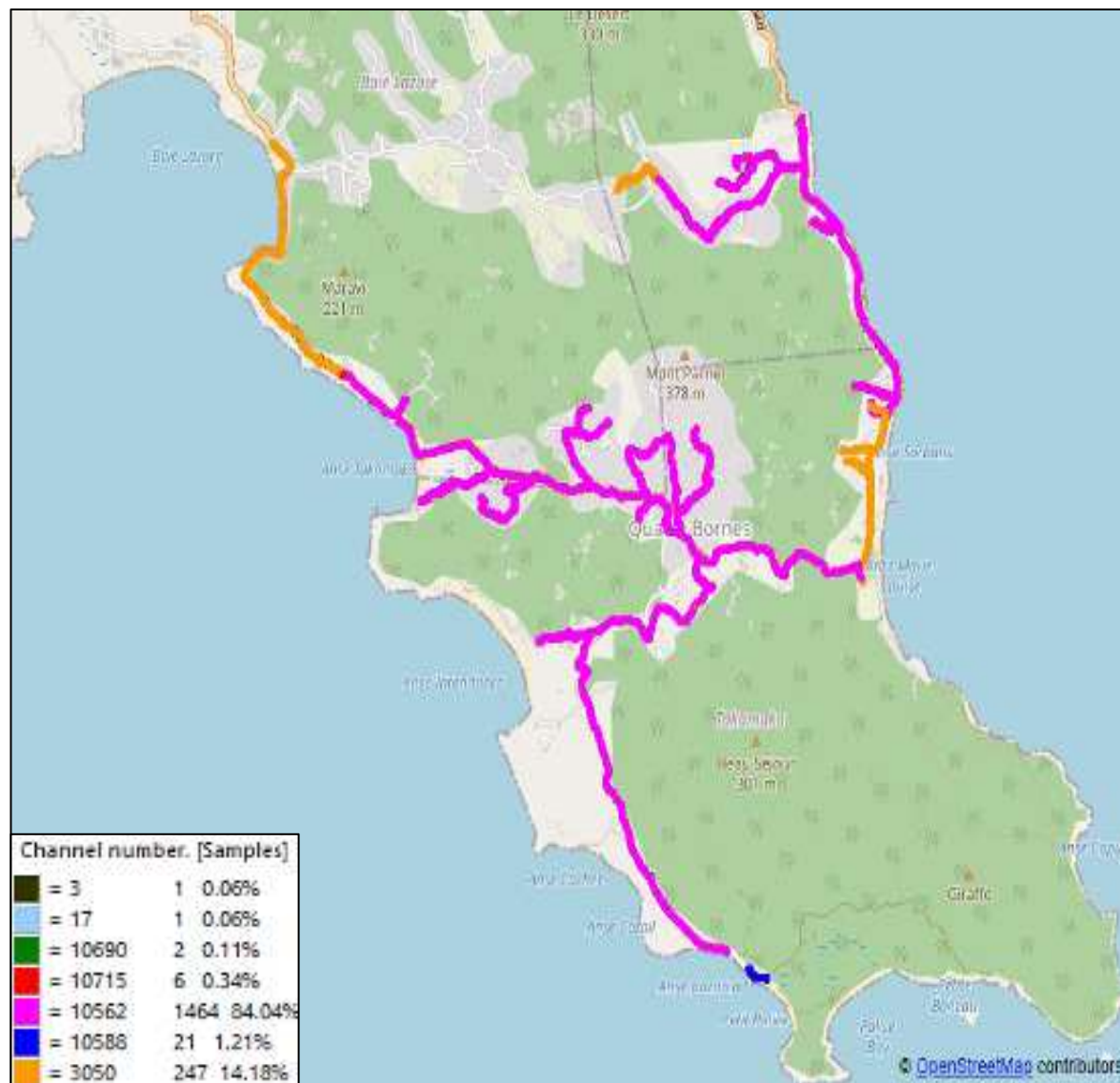
Airtel Data 3G



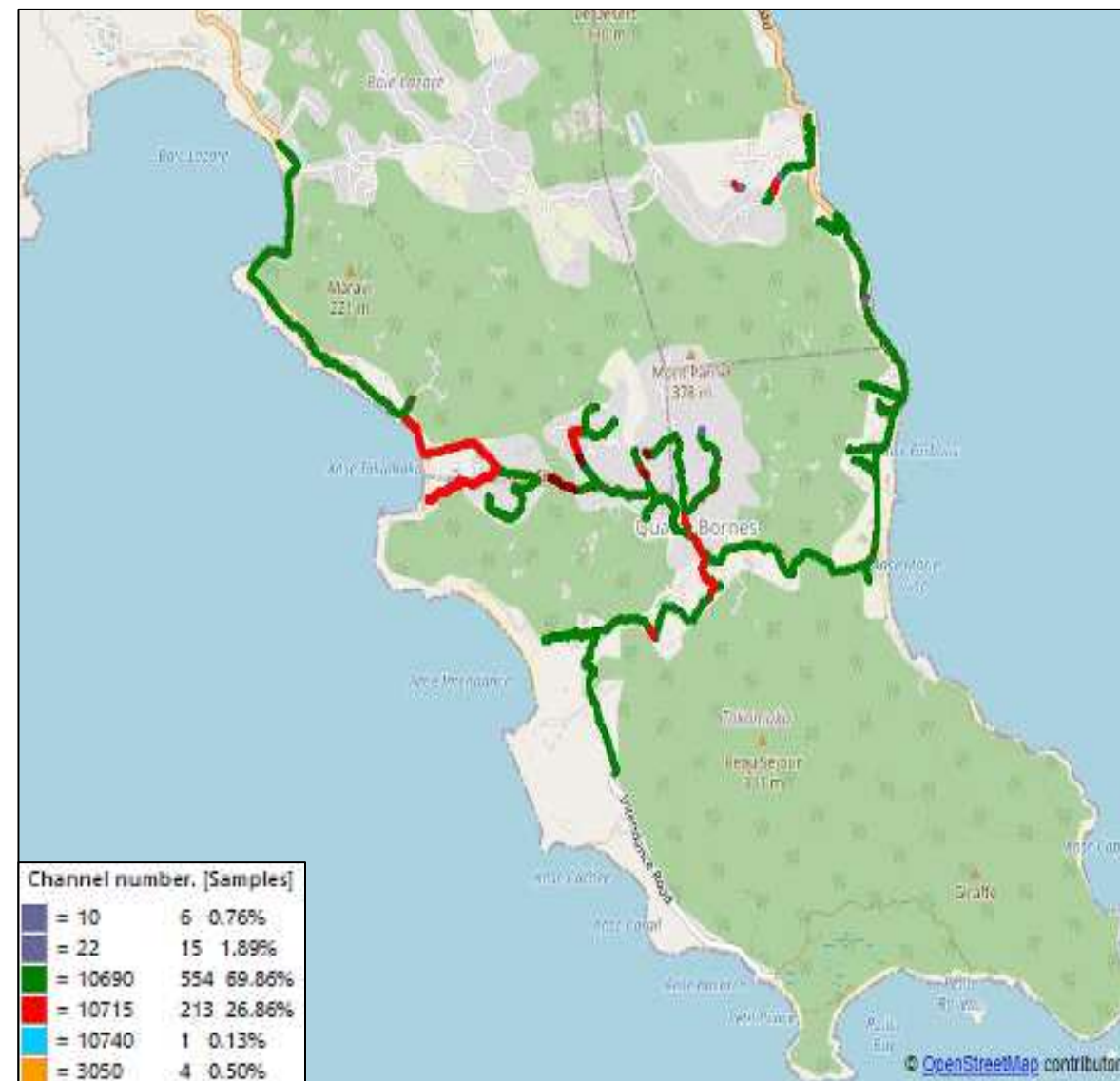
CWS Data 3G



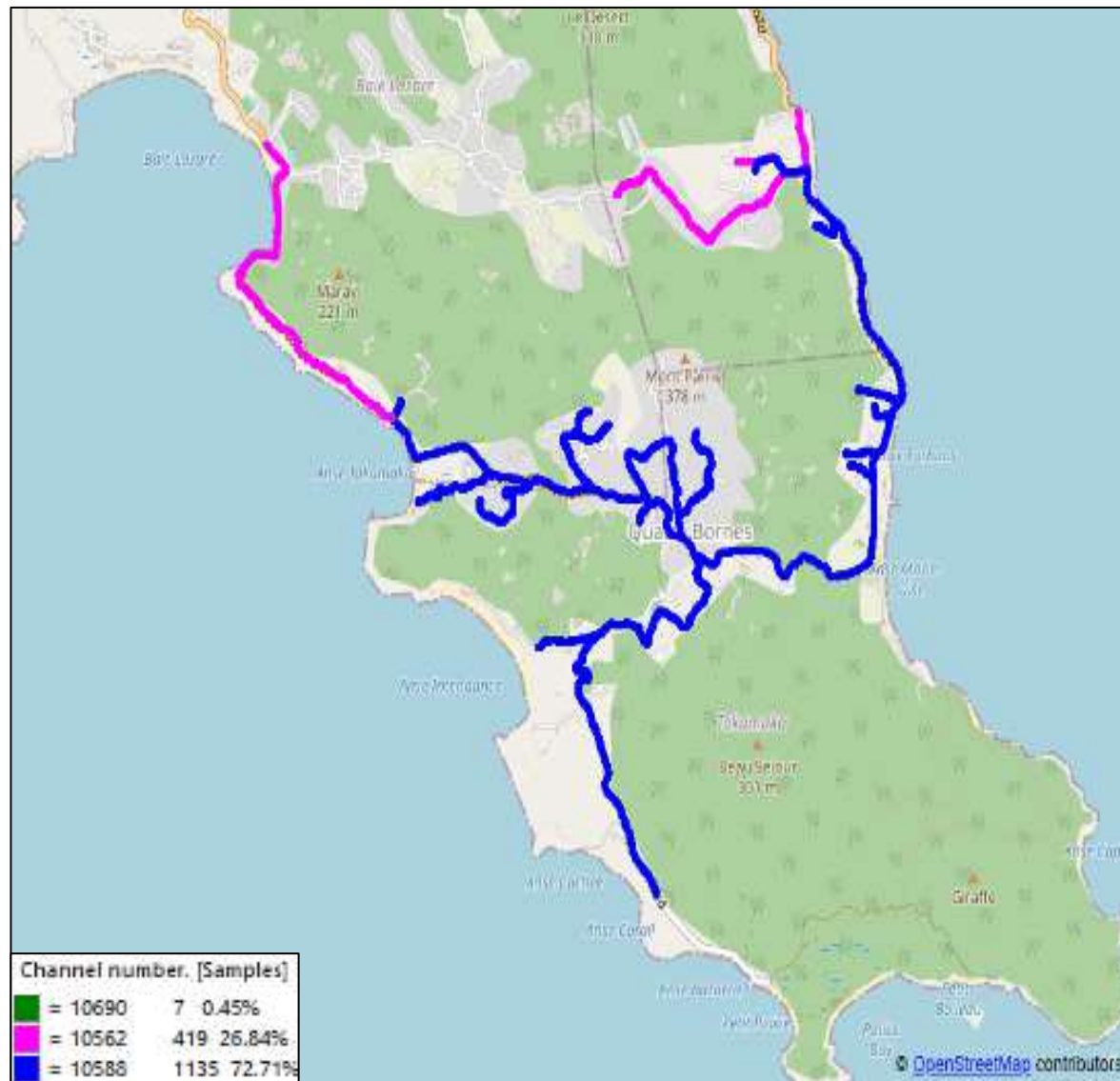
Airtel Data 3G



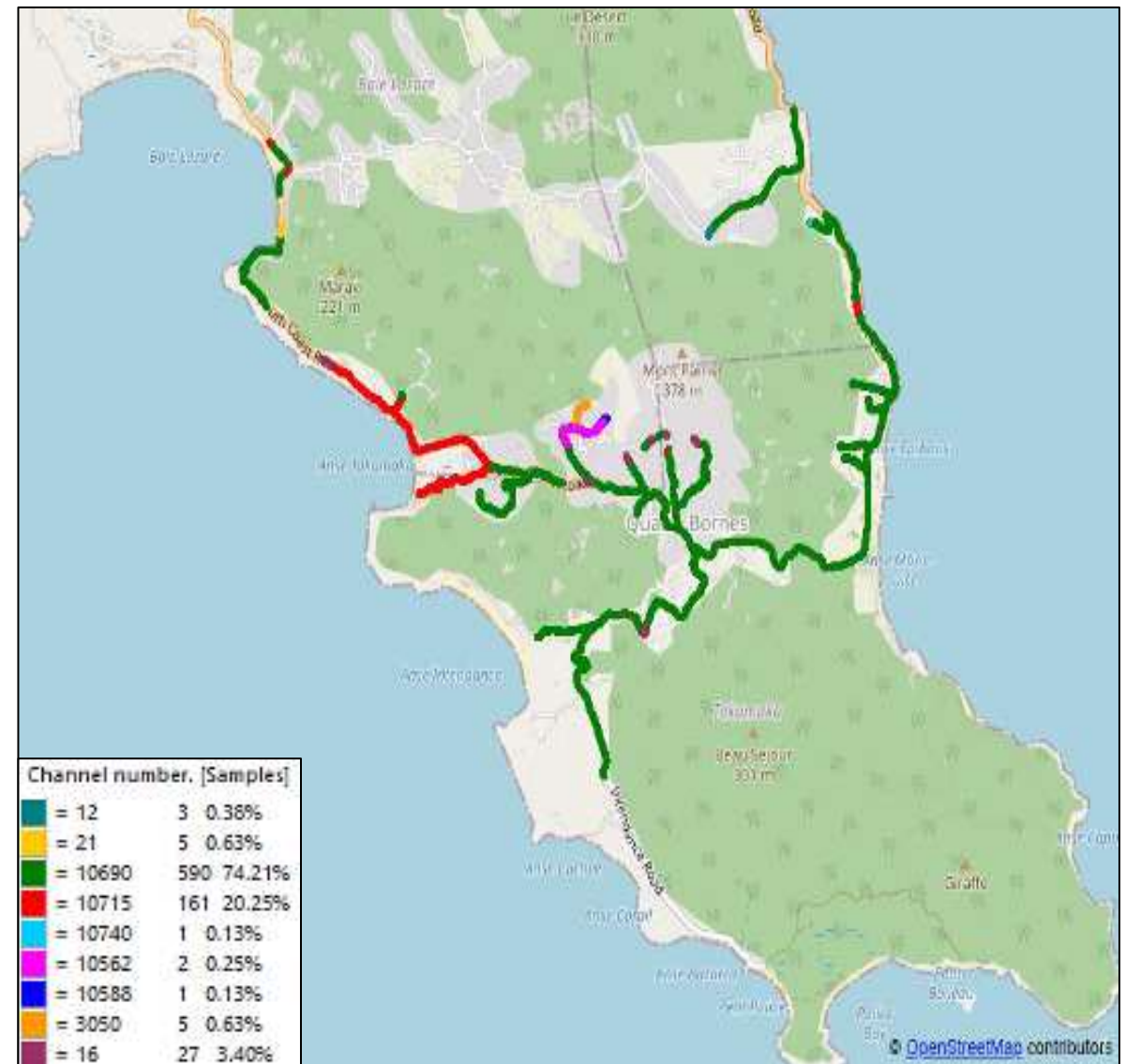
CWS Data 3G



Airtel Data 3G

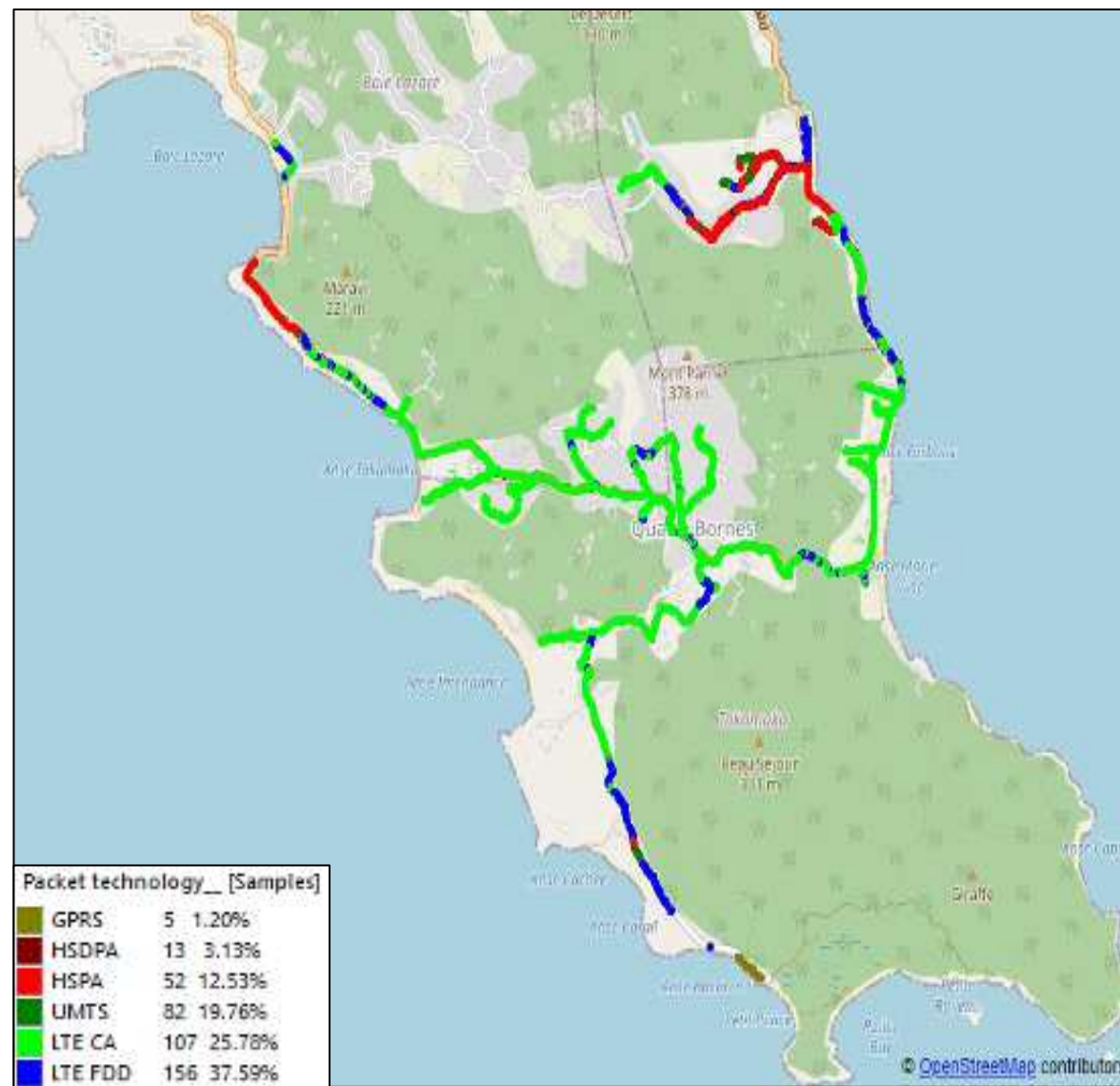


CWS Data 3G

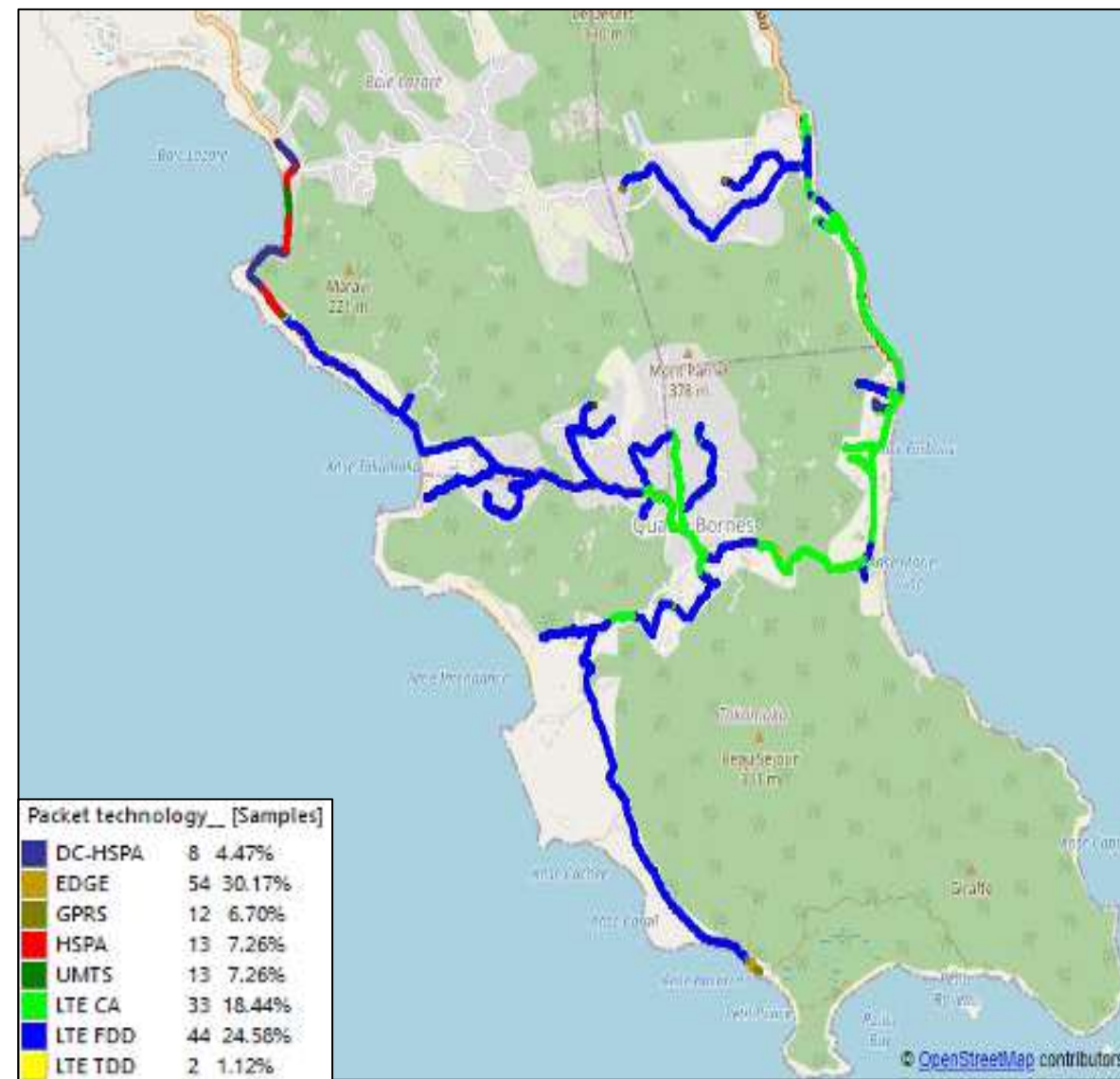


4G PREFERRED DATA DRIVE PLOTS

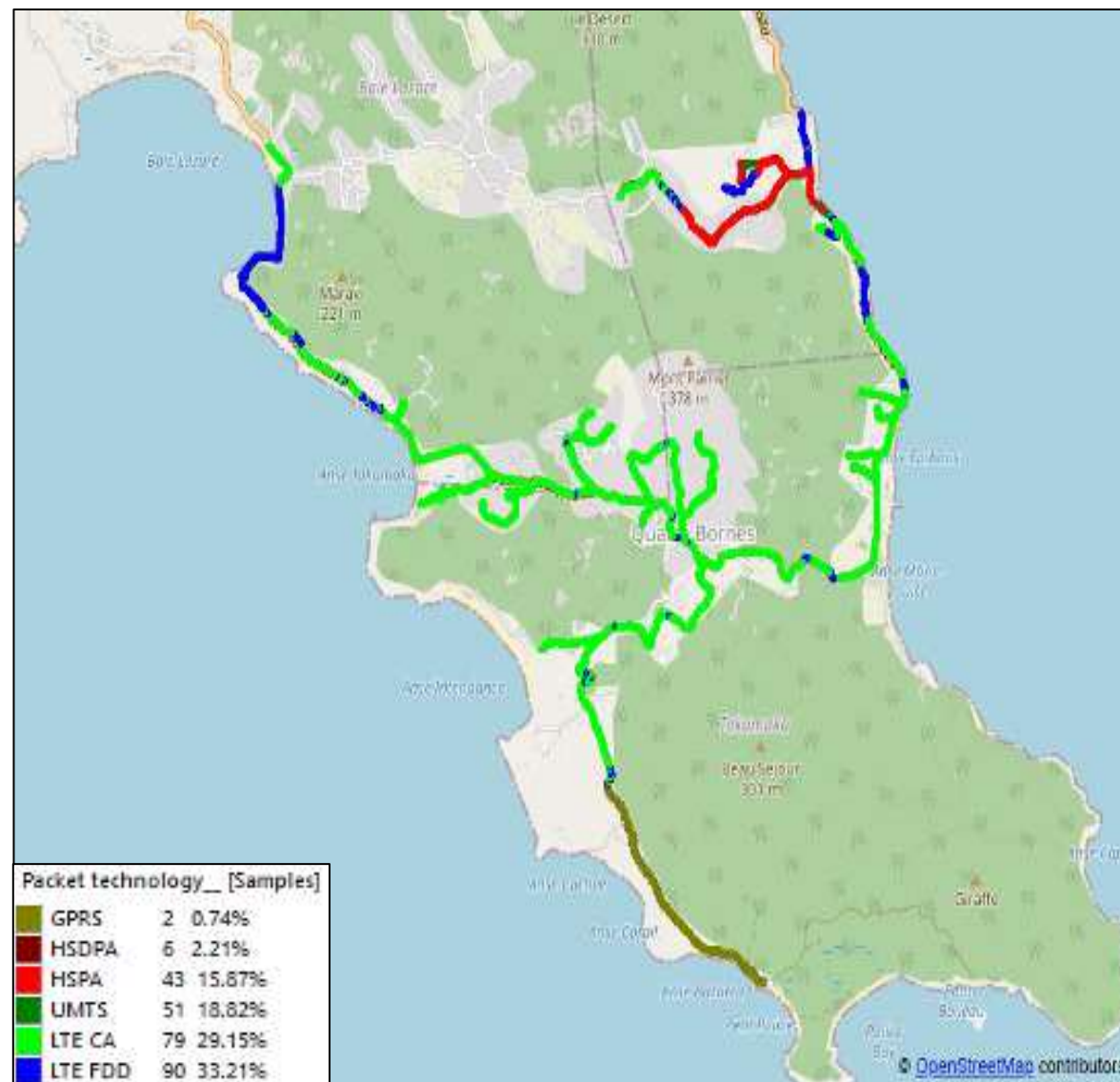
Airtel Data 4G



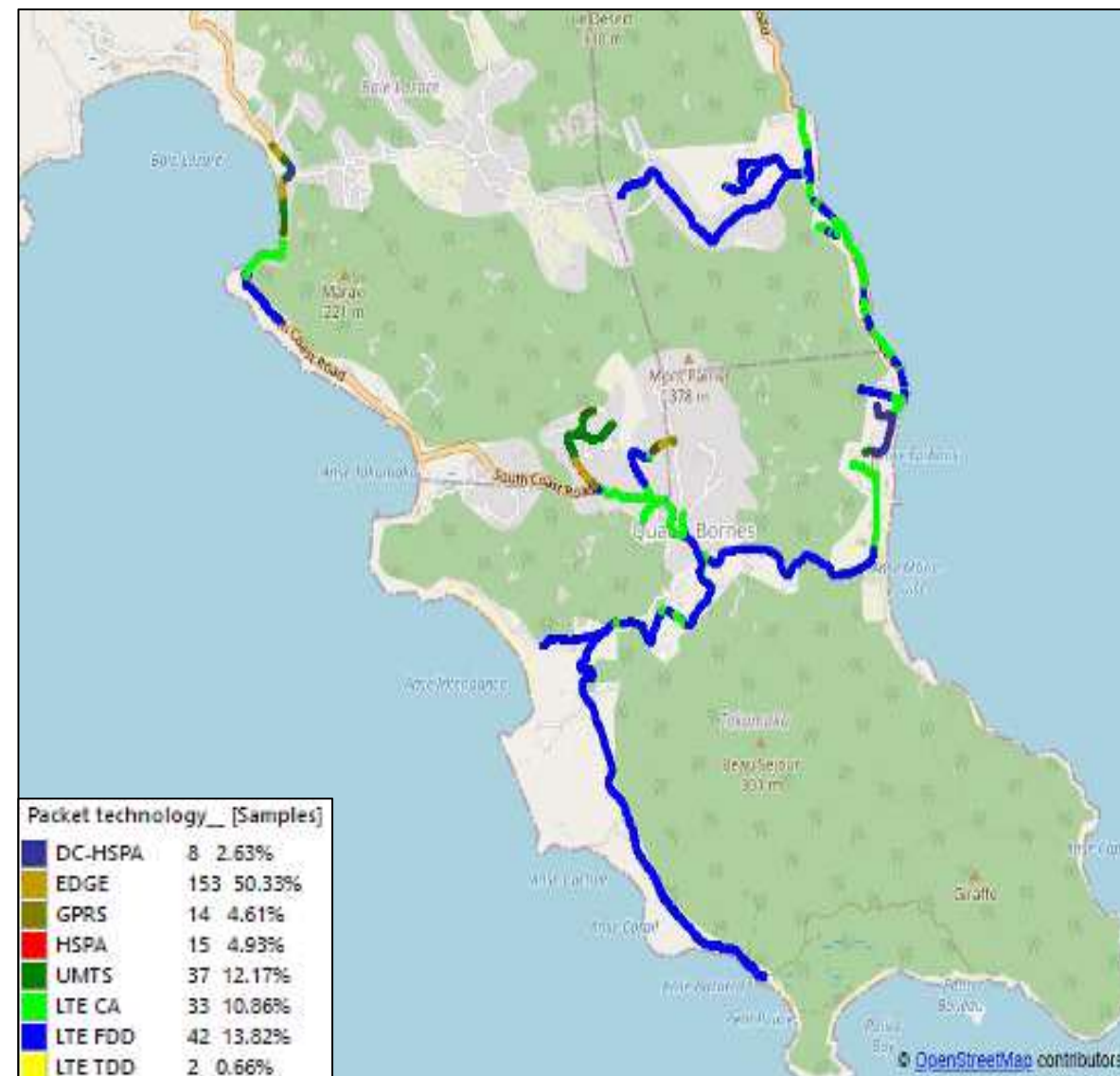
CWS Data 4G



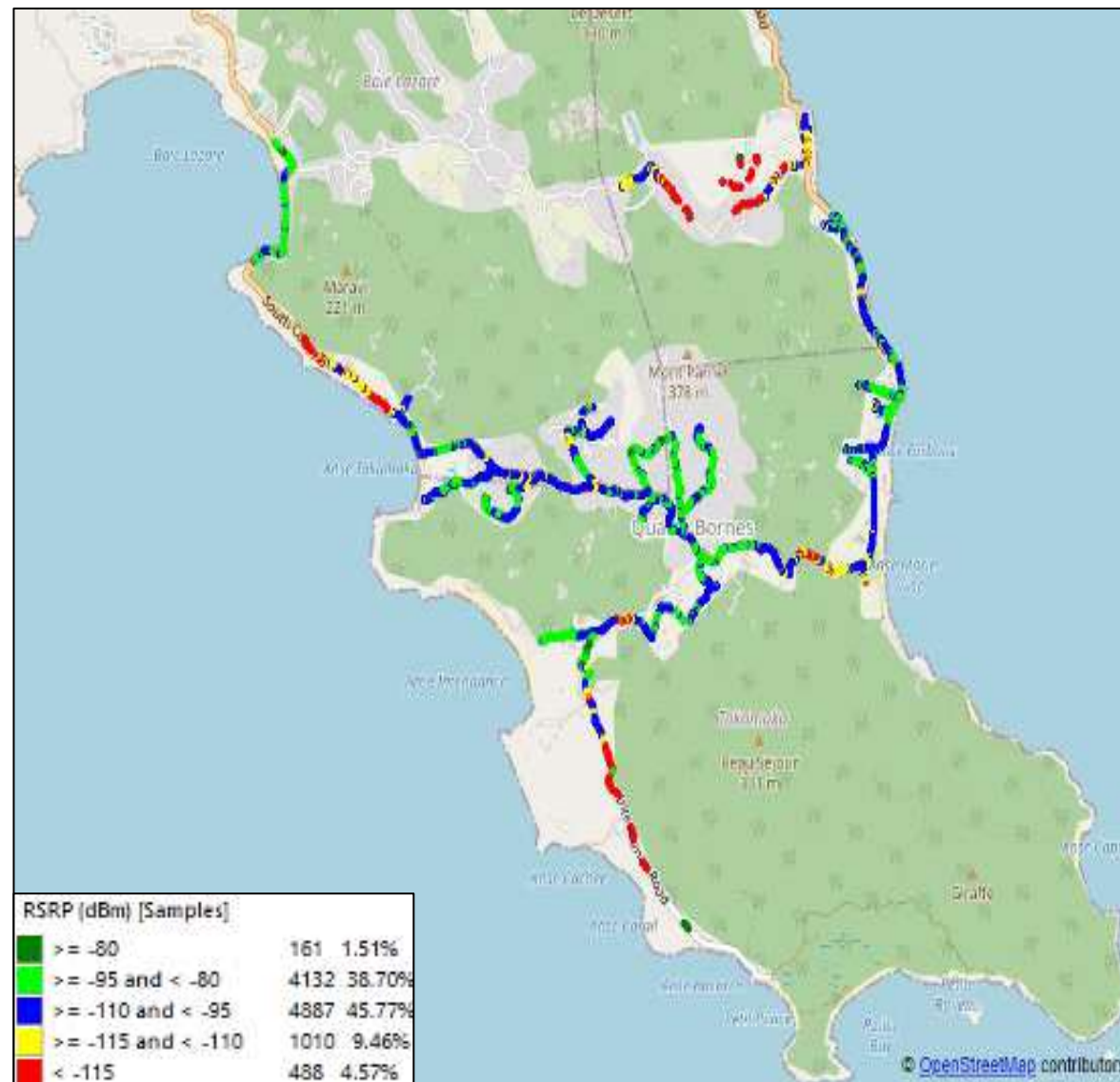
Airtel Data 4G



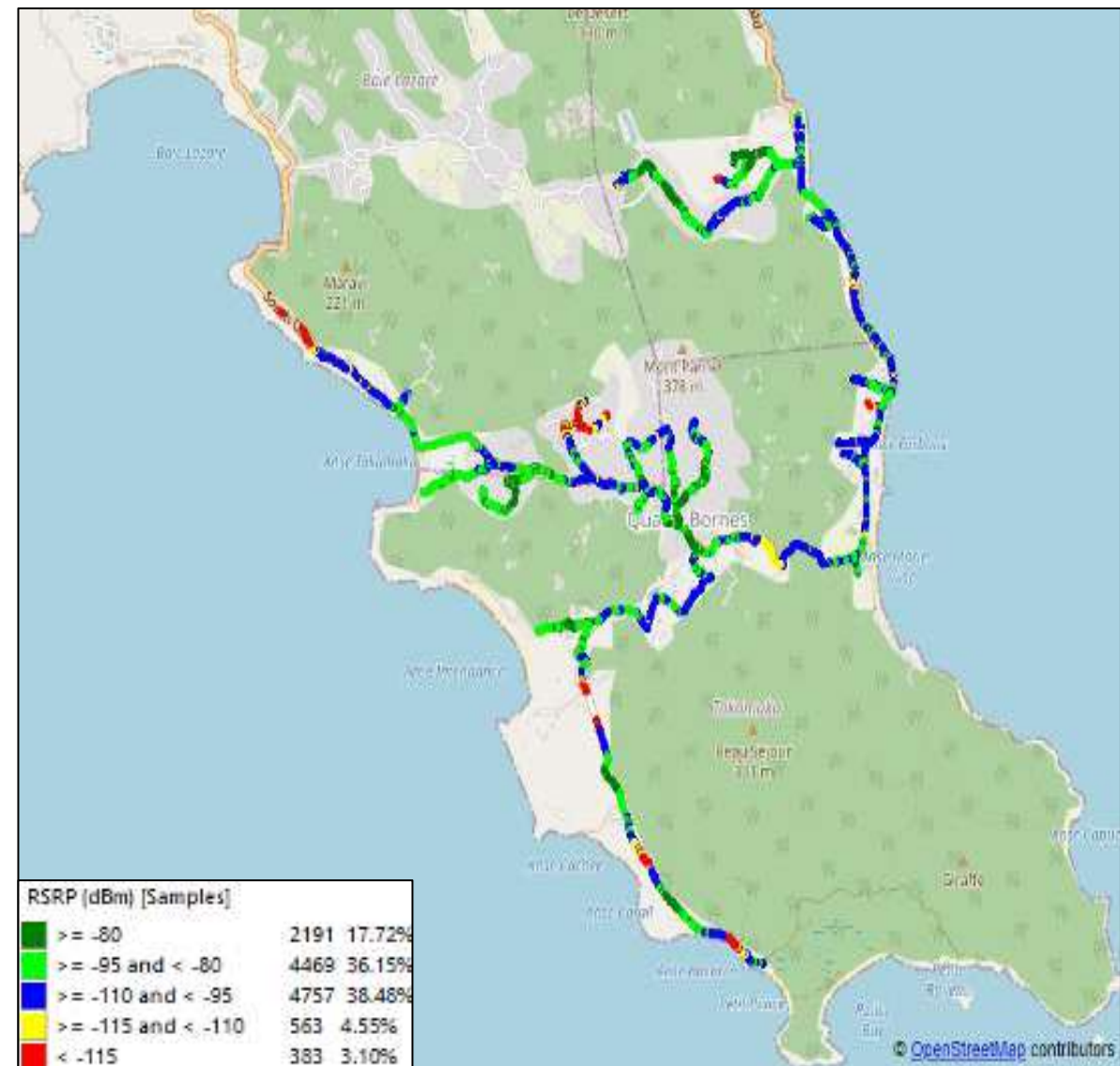
CWS Data 4G



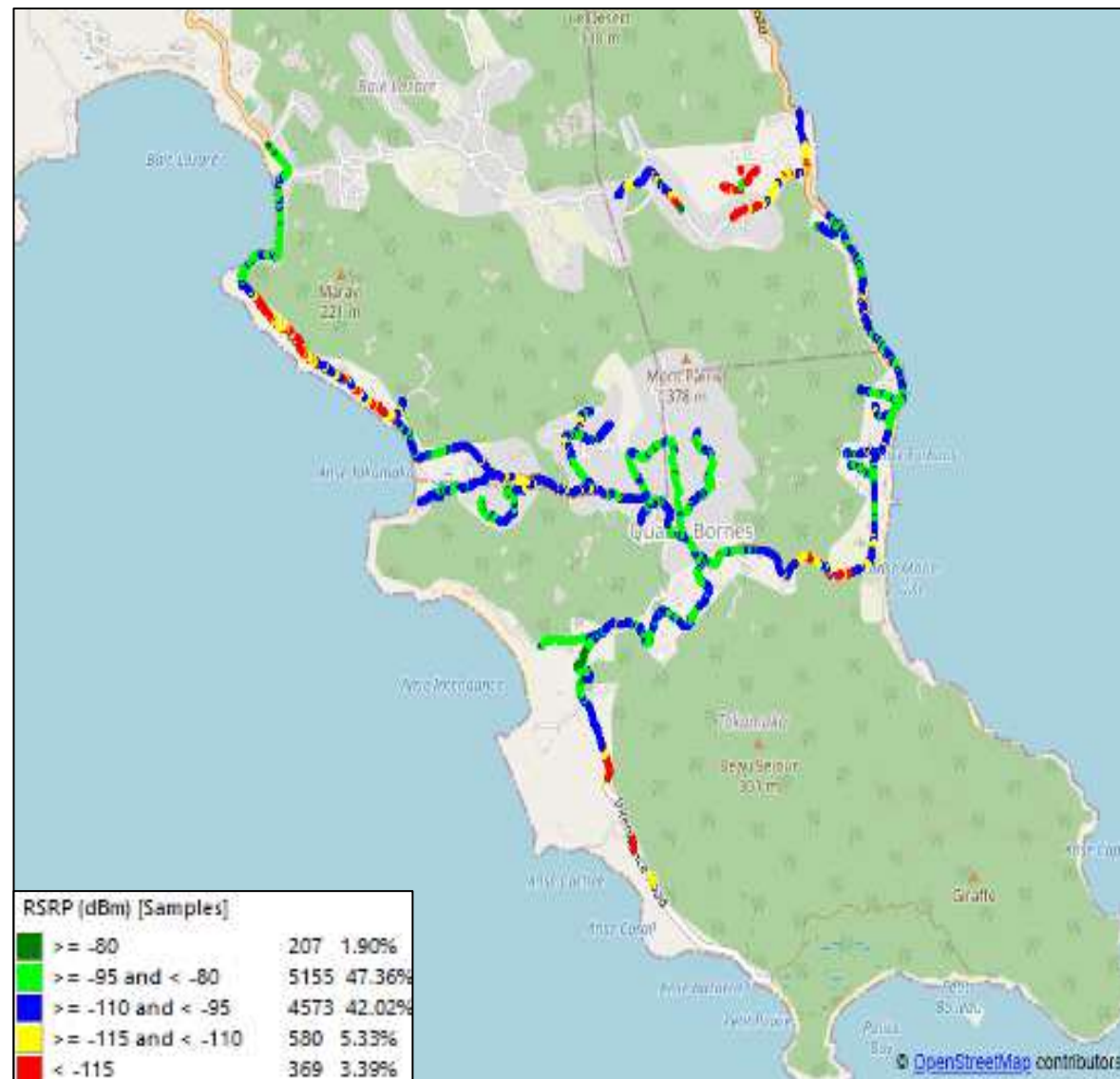
Airtel Data 4G



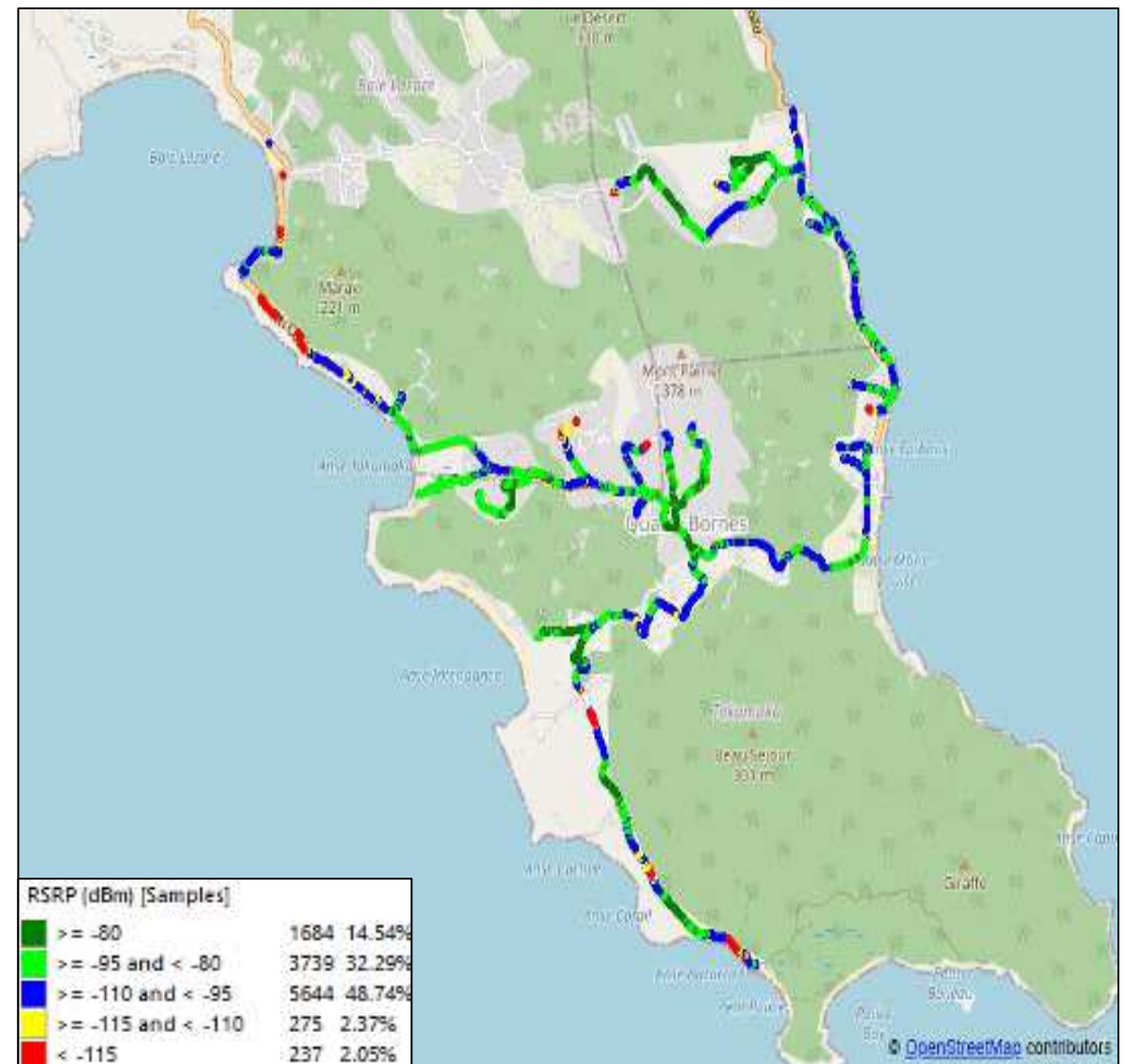
CWS Data 4G



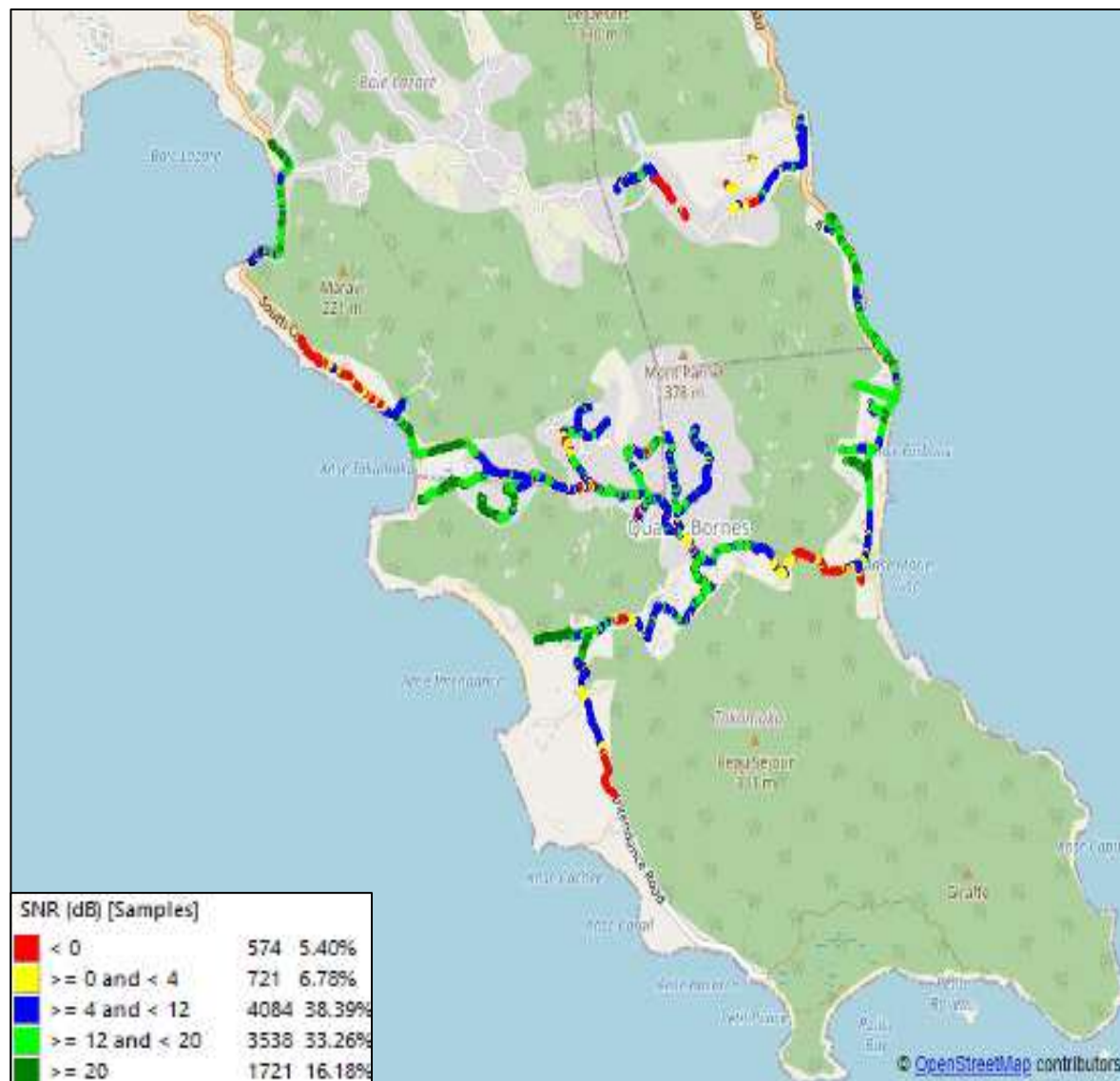
Airtel Data 4G



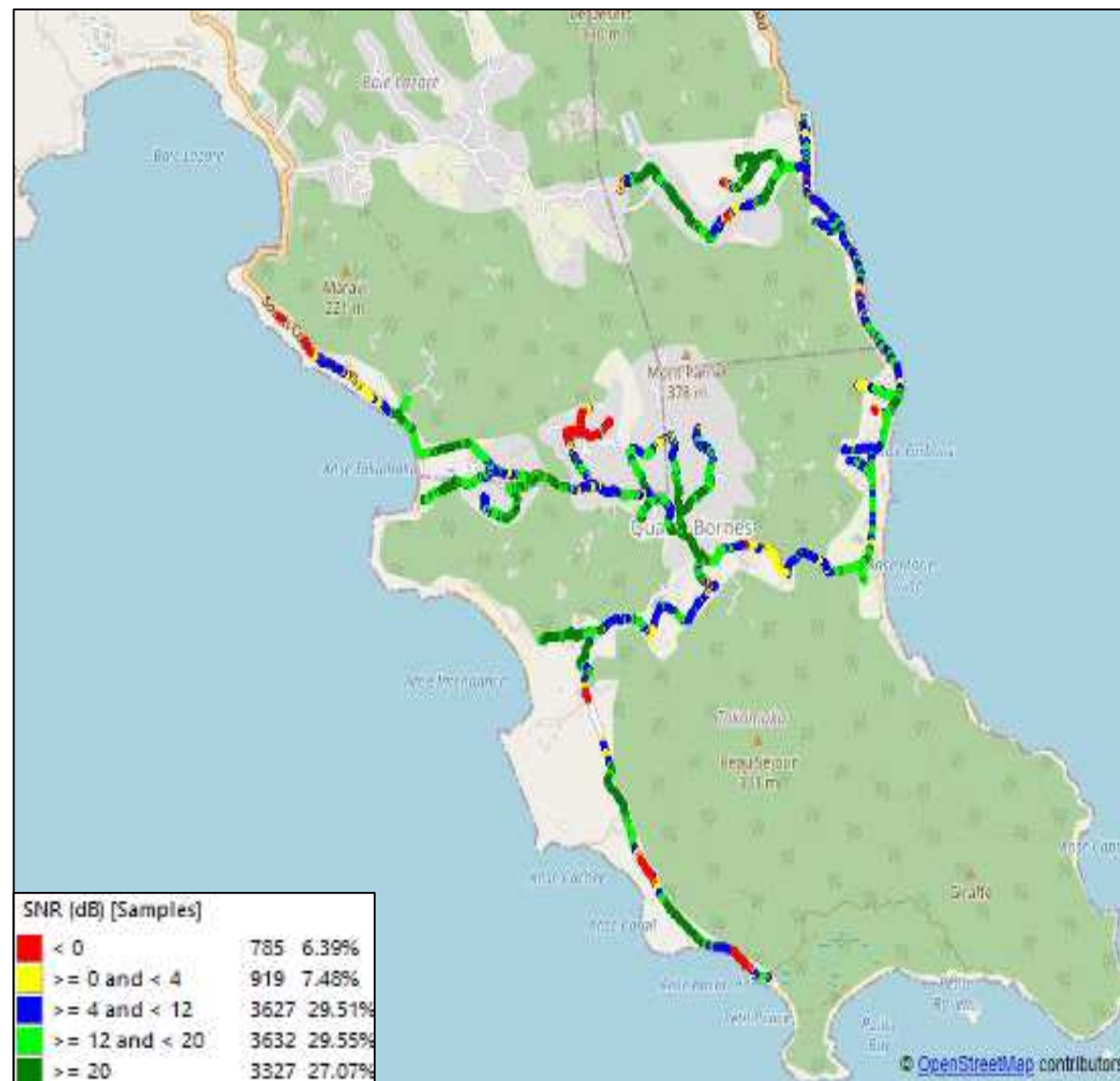
CWS Data 4G



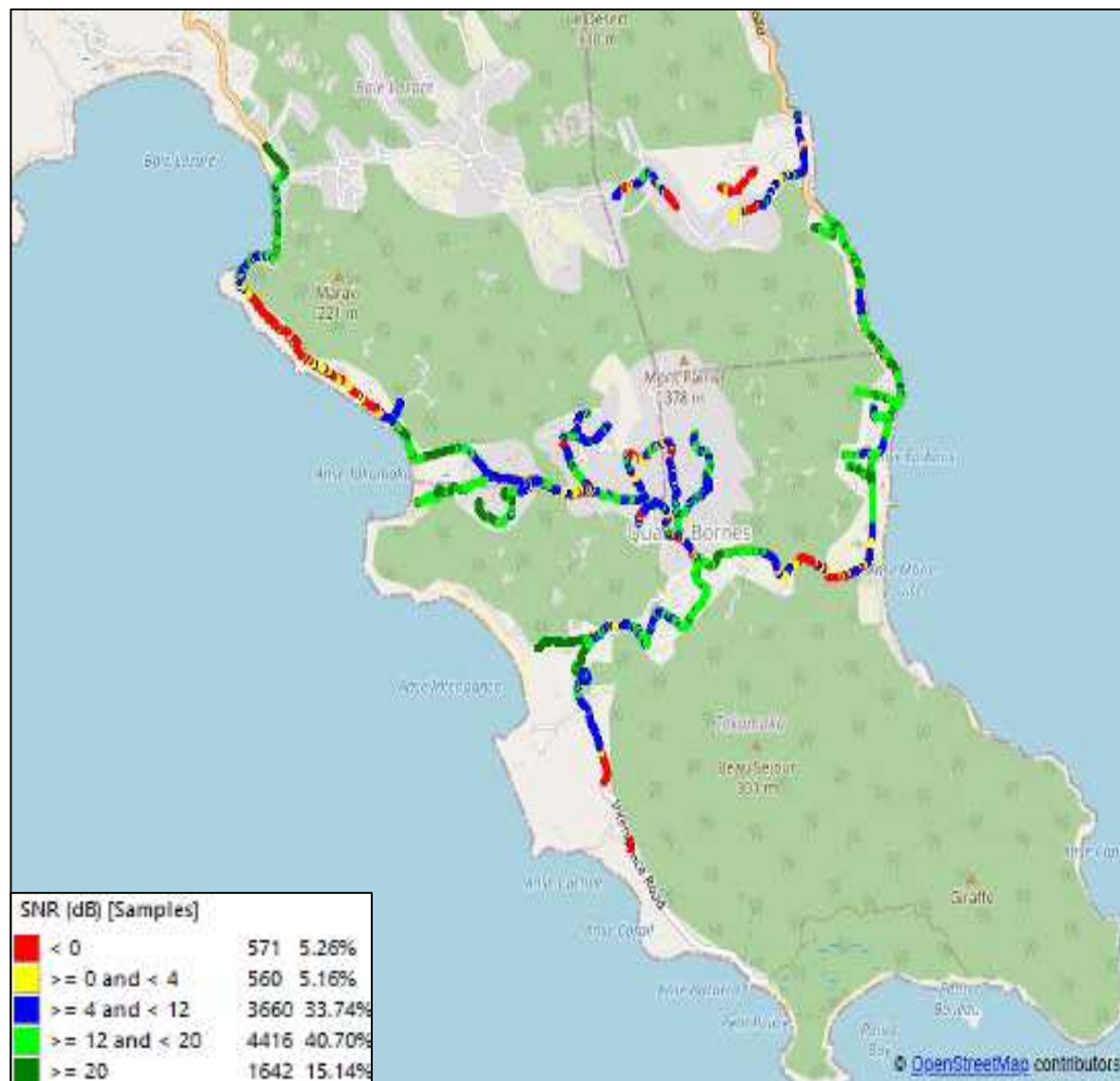
Airtel Data 4G



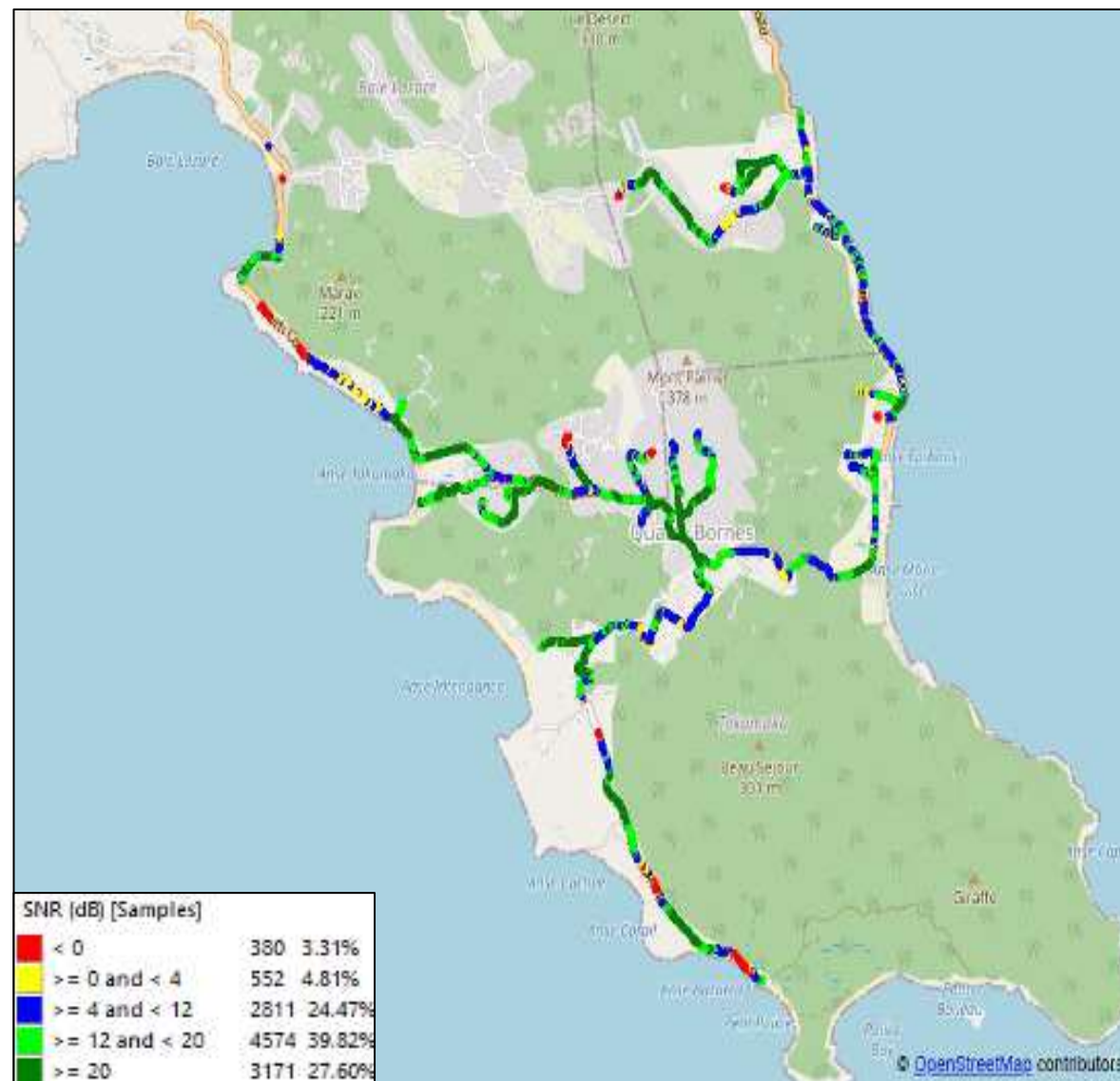
CWS Data 4G



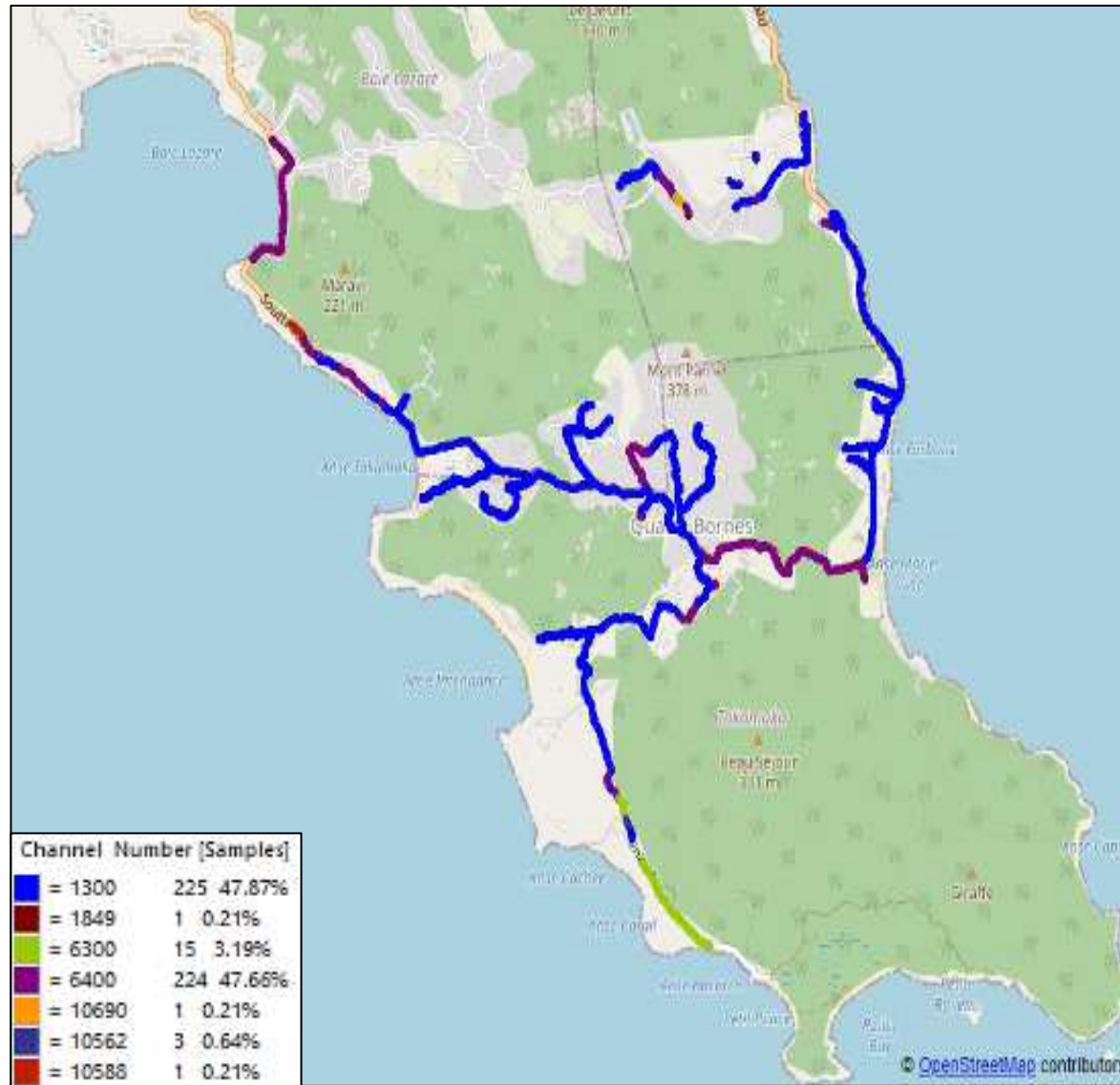
Airtel Data 4G



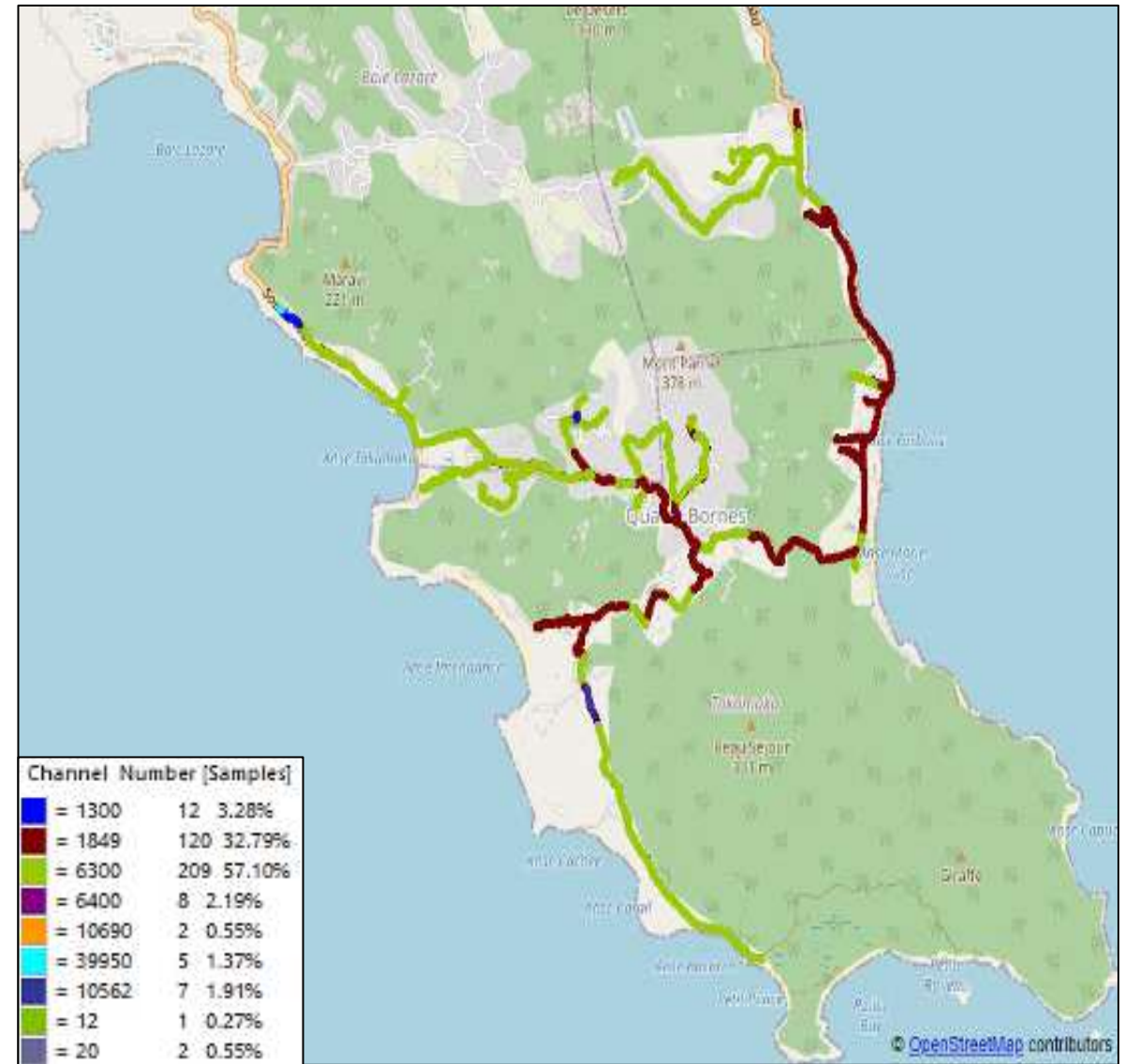
CWS Data 4G



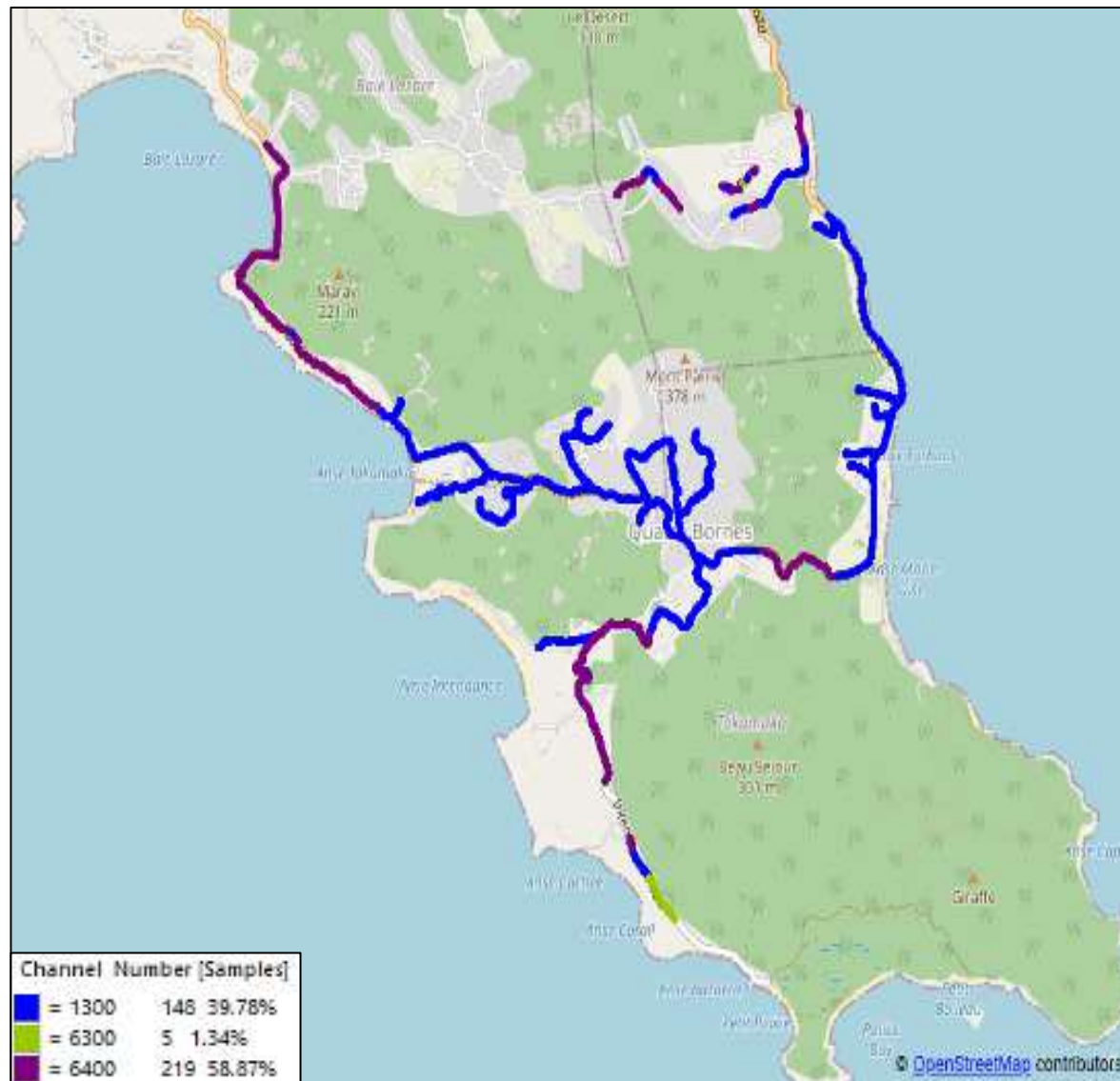
Airtel Data 4G



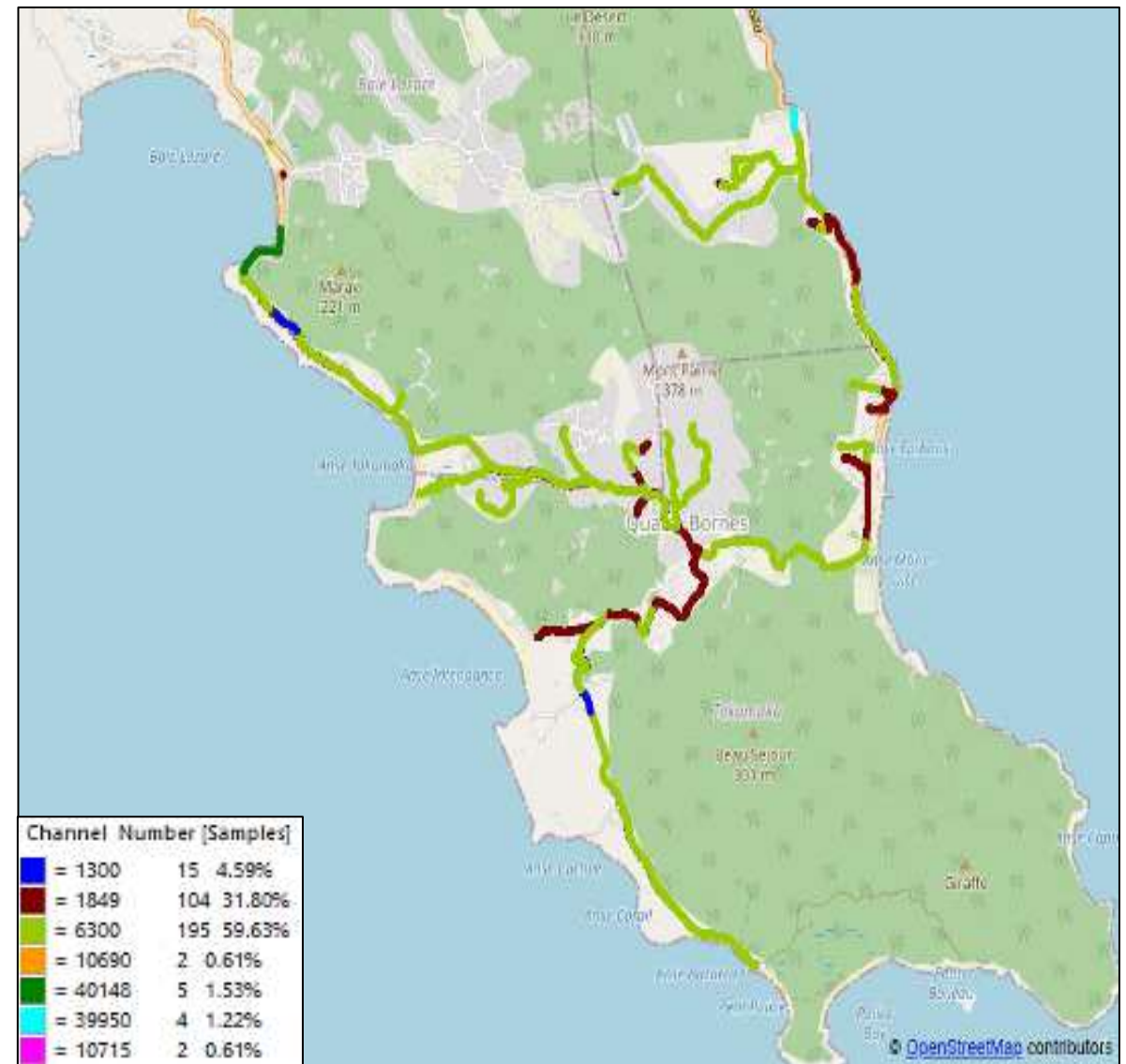
CWS Data 4G



Airtel Data 4G



CWS Data 4G



Airtel Data 4G



CWS Data 4G



Airtel Data 4G



CWS Data 4G



Airtel Data 4G



CWS Data 4G



Airtel Data 4G



CWS Data 4G



Negative Event Analysis

Phase-1 Call Drop & Call Attempt Failure Airtel , CWS Summary

Call Attempt Failure cause from Airtel	Count
Total Call Attempt Failure	6
Poor Coverage	5
Network End	1

Call Attempt Failure cause from CWS	Count
Total Call Attempt Failure	6
Poor Coverage	5
Network End	1

Call Drop cause from Airtel	Count
Total Call Drop	2
Poor Coverage	2

Call Drop cause from CWS	Count
Total Call Drop	2
Poor Coverage	2

Phase-1 Call Attempt Failure Analysis 1 From MS5 Airtel MO

	Time	System	Serving band		1st active	Time	Ch	SC	1. best active Ec/Nf		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	14:14:45.079	UMTS FDD	2100	N	471.	-115.9	14:14:02.089	10588	296		1429.	RRCSM	UMTS FDD	Downlink	14:14:28.039	DCCH	MEASUREMENT_CONTROL
2.	14:26:38.631	UMTS FDD	2100	T	472.		14:14:02.089	10588	296	-16.5	1430.	RRCSM	UMTS FDD	Downlink	14:14:28.079	DCCH	DOWNLINK_DIRECT_TRANSFER
3.	14:29:18.208	UMTS FDD	2100	N	473.	-120.6	14:14:02.606	10588	296		1431.	L3SM	UMTS FDD	Downlink	14:14:28.079	DCCH	AUTHENTICATION_REQUEST
4.	14:30:07.123	UMTS FDD	2100	N	474.		14:14:02.606	10588	296	-18.3	1432.	RRCSM	UMTS FDD	Uplink	14:14:28.225	DCCH	UPLINK_DIRECT_TRANSFER
5.	15:10:23.097	UMTS FDD	2100	N	475.	-120.6	14:14:03.928	10588	296		1433.	L3SM	UMTS FDD	Uplink	14:14:28.225	DCCH	AUTHENTICATION_RESPONSE
6.	16:11:34.848	UMTS FDD	900	C	476.		14:14:03.928	10588	296	-18.3	1434.	RRCSM	UMTS FDD	Downlink	14:14:28.319	DCCH	SECURITY_MODE_COMMAND
					477.	-127.2	14:14:04.129	10588	296		1435.	RRCSM	UMTS FDD	Uplink	14:14:28.319	DCCH	SECURITY_MODE_COMPLETE
					478.		14:14:04.129	10588	296	-24.9	1436.	RRCSM	UMTS FDD	Uplink	14:14:28.410	DCCH	UPLINK_DIRECT_TRANSFER
					479.	-127.2	14:14:05.103	10588	296		1437.	L3SM	UMTS FDD	Uplink	14:14:28.410	DCCH	SETUP
					480.		14:14:05.103	10588	296	-24.9	1438.	RRCSM	UMTS FDD	Downlink	14:14:28.419	DCCH	DOWNLINK_DIRECT_TRANSFER
					481.	-119.1	14:14:05.213	10588	296		1439.	L3SM	UMTS FDD	Downlink	14:14:28.419	DCCH	IDENTITY_REQUEST
					482.		14:14:05.213	10588	296	-19.2	1440.	RRCSM	UMTS FDD	Uplink	14:14:28.419	DCCH	UPLINK_DIRECT_TRANSFER
					483.	-118.6	14:14:27.799	10562	296		1441.	L3SM	UMTS FDD	Uplink	14:14:28.419	DCCH	IDENTITY_RESPONSE
					484.		14:14:27.799	10562	296	-18.8	1442.	RRCSM	UMTS FDD	Downlink	14:14:28.529	DCCH	DOWNLINK_DIRECT_TRANSFER
					485.	-117.7	14:14:28.191	10562	296		1443.	L3SM	UMTS FDD	Downlink	14:14:28.529	DCCH	CALL_PROCEEDING
					486.		14:14:28.191	10562	296	-17.8	1444.	RRCSM	UMTS FDD	Uplink	14:14:28.681	DCCH	MEASUREMENT_REPORT
					487.	-110.8	14:14:28.690	10562	296		1445.	RRCSM	UMTS FDD	Uplink	14:14:29.900	DCCH	MEASUREMENT_REPORT
					488.		14:14:28.690	10562	296	-11.8	1446.	RRCSM	UMTS FDD	Uplink	14:14:30.541	DCCH	MEASUREMENT_REPORT
					489.	-120.2	14:14:29.190	10562	296		1447.	RRCSM	UMTS FDD	Uplink	14:14:31.550	DCCH	MEASUREMENT_REPORT
					490.		14:14:29.190	10562	296	-16.4	1448.	RRCSM	UMTS FDD	Downlink	14:14:34.099	DCCH	RADIO_BEARER_SETUP
					491.	-114.8	14:14:29.804	10562	296		1449.	RRCSM	UMTS FDD	Uplink	14:14:34.433	DCCH	RADIO_BEARER_SETUP_COMPLETE
					492.		14:14:29.804	10562	296	-14.9	1450.	RRCSM	UMTS FDD	Downlink	14:14:34.719	DCCH	RADIO_BEARER_RECONFIGURATION
					493.	-113.1	14:14:30.190	10562	296		1451.	RRCSM	UMTS FDD	Downlink	14:14:34.759	DCCH	DOWNLINK_DIRECT_TRANSFER
					494.		14:14:30.190	10562	296	-13.7	1452.	L3SM	UMTS FDD	Downlink	14:14:34.759	DCCH	PROGRESS
					495.	-117.7	14:14:30.941	10562	296		1453.	RRCSM	UMTS FDD	Uplink	14:14:34.761	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					496.		14:14:30.941	10562	296	-13.9	1454.	RRCSM	UMTS FDD	Downlink	14:14:35.039	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					497.	-117.3	14:14:31.375	10562	296		1455.	RRCSM	UMTS FDD	Uplink	14:14:35.081	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					498.		14:14:31.375	10562	296	-17	1456.	RRCSM	UMTS FDD	Downlink	14:14:35.959	DCCH	MEASUREMENT_CONTROL
					499.	-118	14:14:31.861	10562	296		1457.	RRCSM	UMTS FDD	Downlink	14:14:37.039	DCCH	SECURITY_MODE_COMMAND
					500.		14:14:31.861	10562	296	-17.6	1458.	RRCSM	UMTS FDD	Uplink	14:14:37.039	DCCH	SECURITY_MODE_COMPLETE
					501.	-116.1	14:14:32.191	10562	296		1459.	RRCSM	UMTS FDD	Downlink	14:14:37.479	DCCH	DOWNLINK_DIRECT_TRANSFER
					502.		14:14:32.191	10562	296	-16.7	1460.	L3SM	UMTS FDD	Downlink	14:14:37.479	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					503.	-119	14:14:32.861	10562	296		1461.	RRCSM	UMTS FDD	Uplink	14:14:37.481	DCCH	UPLINK_DIRECT_TRANSFER
					504.		14:14:32.861	10562	296	-19.6	1462.	L3SM	UMTS FDD	Uplink	14:14:37.481	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					505.	-116.5	14:14:33.381	10562	296		1463.	RRCSM	UMTS FDD	Uplink	14:14:37.739	DCCH	MEASUREMENT_REPORT
					506.		14:14:33.381	10562	296	-16.7	1464.	RRCSM	UMTS FDD	Downlink	14:14:37.759	DCCH	DOWNLINK_DIRECT_TRANSFER

Analysis:

- This call failure event occurred on short call at 14:14:45:079 time when UE was latched with 3G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the failure, UE was latched with PSC 296 and RF condition RSCP -117.7 dBm and Ec/No -17.8 dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-1 Call Attempt Failure Analysis 2 From MS5 Airtel MO

	Time	System	Serving band		1st active f	Time	Ch	SC	1. best active Ec/N1 ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	14:14:45.079	UMTS FDD	2100	N	1589.	14:26:33.967	10562	296	-15.3		4002.	RRCSM	UMTS FDD	Downlink	14:26:31.835	DCCH	RADIO_BEARER_SETUP
2.	14:26:38.631	UMTS FDD	2100	T	1590.	-117.5	14:26:34.223	10562	296		4003.	RRCSM	UMTS FDD	Uplink	14:26:31.928	DCCH	MEASUREMENT_REPORT
3.	14:29:18.208	UMTS FDD	2100	N	1591.	14:26:34.223	10562	296	-14.6		4004.	RRCSM	UMTS FDD	Uplink	14:26:32.213	DCCH	RADIO_BEARER_SETUP_COMPLETE
4.	14:30:07.123	UMTS FDD	2100	N	1592.	-111.9	14:26:34.894	10562	296		4005.	RRCSM	UMTS FDD	Downlink	14:26:32.445	DCCH	MEASUREMENT_CONTROL
5.	15:10:23.097	UMTS FDD	2100	N	1593.	14:26:34.894	10562	296	-13		4006.	RRCSM	UMTS FDD	Downlink	14:26:32.485	DCCH	MEASUREMENT_CONTROL
6.	16:11:34.848	UMTS FDD	900	C	1594.	-113.9	14:26:35.357	10562	296		4007.	RRCSM	UMTS FDD	Downlink	14:26:32.605	DCCH	RADIO_BEARER_RECONFIGURATION
					1595.	14:26:35.357	10562	296	-15		4008.	RRCSM	UMTS FDD	Uplink	14:26:32.648	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					1596.	-111.4	14:26:35.896	10562	296		4009.	RRCSM	UMTS FDD	Downlink	14:26:32.685	DCCH	DOWNLINK_DIRECT_TRANSFER
					1597.	14:26:35.896	10562	296	-12.6		4010.	L3SM	UMTS FDD	Downlink	14:26:32.685	DCCH	MODIFY_PDP_CONTEXT_REQUEST
					1598.	-112.5	14:26:36.437	10562	296		4011.	RRCSM	UMTS FDD	Uplink	14:26:32.687	DCCH	UPLINK_DIRECT_TRANSFER
					1599.	14:26:36.437	10562	296	-14		4012.	L3SM	UMTS FDD	Uplink	14:26:32.687	DCCH	MODIFY_PDP_CONTEXT_ACCEPT
					1600.	-109.8	14:26:36.919	10562	296		4013.	RRCSM	UMTS FDD	Downlink	14:26:32.925	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					1601.	14:26:36.919	10562	296	-12.5		4014.	RRCSM	UMTS FDD	Uplink	14:26:32.968	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					1602.	-115	14:26:37.423	10562	296		4015.	RRCSM	UMTS FDD	Uplink	14:26:33.728	DCCH	MEASUREMENT_REPORT
					1603.	14:26:37.423	10562	296	-15.2		4016.	RRCSM	UMTS FDD	Downlink	14:26:33.765	DCCH	MEASUREMENT_CONTROL
					1604.	-116.2	14:26:37.908	10562	296		4017.	RRCSM	UMTS FDD	Uplink	14:26:33.792	DCCH	MEASUREMENT_REPORT
					1605.	14:26:37.908	10562	296	-16.8		4018.	RRCSM	UMTS FDD	Downlink	14:26:34.805	DCCH	MEASUREMENT_CONTROL
					1606.	-120.1	14:26:38.631	10562	296		4019.	RRCSM	UMTS FDD	Uplink	14:26:37.377	DCCH	MEASUREMENT_REPORT
					1607.	14:26:38.631	10562	296	-19.7		4020.	RRCSM	UMTS FDD	Downlink	14:26:37.605	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					1608.	-117.7	14:26:38.947	10562	296		4021.	RRCSM	UMTS FDD	Uplink	14:26:37.648	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					1609.	14:26:38.947	10562	296	-14.8		4022.	RRCSM	UMTS FDD	Uplink	14:26:38.377	DCCH	MEASUREMENT_REPORT
					1610.	-116.2	14:26:39.427	10562	296		4023.	RRCSM	UMTS FDD	Downlink	14:26:38.445	DCCH	MEASUREMENT_CONTROL
					1611.	14:26:39.427	10562	296	-19.4		4024.	RRCSM	UMTS FDD	Uplink	14:26:39.296	DCCH	MEASUREMENT_REPORT
					1612.	-119.5	14:26:39.862	10562	296		4025.	RRCSM	UMTS FDD	Uplink	14:26:40.766	DCCH	MEASUREMENT_REPORT
					1613.	14:26:39.862	10562	296	-19.2		4026.	RRCSM	UMTS FDD	Uplink	14:26:41.266	DCCH	MEASUREMENT_REPORT
					1614.	-119.5	14:26:40.556	10562	296		4027.	RRCSM	UMTS FDD	Uplink	14:26:41.826	DCCH	MEASUREMENT_REPORT
					1615.	14:26:40.556	10562	296	-19.7		4028.	RRCSM	UMTS FDD	Uplink	14:26:42.856	DCCH	MEASUREMENT_REPORT
					1616.	-116.8	14:26:41.187	10562	296		4029.	RRCSM	UMTS FDD	Uplink	14:26:43.406	DCCH	MEASUREMENT_REPORT
					1617.	14:26:41.187	10562	296	-17.4		4030.	RRCSM	UMTS FDD	Uplink	14:26:44.616	DCCH	MEASUREMENT_REPORT
					1618.	-113.5	14:26:41.567	10562	296		4031.	RRCSM	UMTS FDD	Uplink	14:26:45.596	DCCH	MEASUREMENT_REPORT
					1619.	14:26:41.567	10562	296	-12.5		4032.	RRCSM	UMTS FDD	Uplink	14:26:46.756	DCCH	MEASUREMENT_REPORT
					1620.	-114.3	14:26:42.197	10562	296		4033.	RRCSM	UMTS FDD	Uplink	14:26:47.546	DCCH	MEASUREMENT_REPORT
					1621.	14:26:42.197	10562	296	-14.3		4034.	RRCSM	UMTS FDD	Downlink	14:26:52.085	DCCH	RRC_CONNECTION_RELEASE
					1622.	-116.9	14:26:42.735	10562	296		4035.	RRCSM	UMTS FDD	Uplink	14:26:52.085	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					1623.	14:26:42.735	10562	296	-17.5		4036.	RRCSM	UMTS FDD	Uplink	14:26:52.126	DCCH	RRC_CONNECTION_RELEASE_COMPLETE

Analysis:

- This call failure event occurred on short call at 14:26:38:631 time when UE was latched with 3G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the failure, UE was latched with PSC 296 and RF condition RSCP -120.1 dBm and Ec/No -19.7 dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-1 Call Attempt Failure Analysis 3 From MS5 Airtel MO

	Time	System	Serving band		1st active E	Time	Ch	SC	1. best active Ec/Ni		Event ID	System	Transf. dir.	Time	Subchannel	Message name	M
1.	14:14:45.079	UMTS FDD	2100	N	1893.	14:29:12.292	10562	296		4182.	L3SM	UMTS FDD	Uplink	14:29:00.358	DCCH	CM_SERVICE_REQUEST	
2.	14:26:38.631	UMTS FDD	2100	Ti	1894.	14:29:12.292	10562	296	-23.4	4183.	RRCSM	UMTS FDD	Downlink	14:29:00.590	DCCH	MEASUREMENT_CONTROL	
3.	14:29:18.208	UMTS FDD	2100	N	1895.	14:29:12.868	10562	296		4184.	RRCSM	UMTS FDD	Downlink	14:29:00.640	DCCH	MEASUREMENT_CONTROL	
4.	14:30:07.123	UMTS FDD	2100	N	1896.	14:29:13.361	10562	296		4185.	RRCSM	UMTS FDD	Downlink	14:29:00.641	DCCH	MEASUREMENT_CONTROL	
5.	15:10:23.097	UMTS FDD	2100	N	1897.	14:29:13.361	10562	296	-25.6	4186.	RRCSM	UMTS FDD	Downlink	14:29:00.650	DCCH	MEASUREMENT_CONTROL	
6.	16:11:34.848	UMTS FDD	900	C	1898.	14:29:13.866	10562	296		4187.	RRCSM	UMTS FDD	Downlink	14:29:00.660	DCCH	MEASUREMENT_CONTROL	
					1899.	14:29:13.866	10562	296	-18.5	4188.	RRCSM	UMTS FDD	Downlink	14:29:00.700	DCCH	DOWNLINK_DIRECT_TRANSFER	
					1900.	14:29:14.372	10562	296		4189.	L3SM	UMTS FDD	Downlink	14:29:00.700	DCCH	AUTHENTICATION_REQUEST	
					1901.	14:29:14.372	10562	296	-18.1	4190.	RRCSM	UMTS FDD	Uplink	14:29:00.850	DCCH	UPLINK_DIRECT_TRANSFER	
					1902.	14:29:14.868	10562	296		4191.	L3SM	UMTS FDD	Uplink	14:29:00.850	DCCH	AUTHENTICATION_RESPONSE	
					1903.	14:29:14.868	10562	296	-22.9	4192.	RRCSM	UMTS FDD	Downlink	14:29:00.940	DCCH	SECURITY_MODE_COMMAND	
					1904.	14:29:15.394	10562	296		4193.	RRCSM	UMTS FDD	Uplink	14:29:00.941	DCCH	SECURITY_MODE_COMPLETE	
					1905.	14:29:15.394	10562	296	-22.7	4194.	RRCSM	UMTS FDD	Uplink	14:29:01.031	DCCH	UPLINK_DIRECT_TRANSFER	
					1906.	14:29:15.868	10562	296		4195.	L3SM	UMTS FDD	Uplink	14:29:01.031	DCCH	SETUP	
					1907.	14:29:15.868	10562	296	-21.5	4196.	RRCSM	UMTS FDD	Downlink	14:29:01.040	DCCH	DOWNLINK_DIRECT_TRANSFER	
					1908.	14:29:16.311	10562	296		4197.	L3SM	UMTS FDD	Downlink	14:29:01.040	DCCH	IDENTITY_REQUEST	
					1909.	14:29:16.311	10562	296	-16.5	4198.	RRCSM	UMTS FDD	Uplink	14:29:01.041	DCCH	UPLINK_DIRECT_TRANSFER	
					1910.	14:29:16.866	10562	296		4199.	L3SM	UMTS FDD	Uplink	14:29:01.041	DCCH	IDENTITY_RESPONSE	
					1911.	14:29:16.866	10562	296	-14.1	4200.	RRCSM	UMTS FDD	Downlink	14:29:01.160	DCCH	DOWNLINK_DIRECT_TRANSFER	
					1912.	14:29:17.374	10562	296		4201.	L3SM	UMTS FDD	Downlink	14:29:01.160	DCCH	CALL_PROCEEDING	
					1913.	14:29:17.374	10562	296	-22.4	4202.	RRCSM	UMTS FDD	Uplink	14:29:01.303	DCCH	MEASUREMENT_REPORT	
					1914.	14:29:17.872	10562	296		4203.	RRCSM	UMTS FDD	Uplink	14:29:01.303	DCCH	MEASUREMENT_REPORT	
					1915.	14:29:18.476	10562	296		4204.	RRCSM	UMTS FDD	Downlink	14:29:07.110	DCCH	RADIO_BEARER_SETUP	
					1916.	14:29:18.476	10562	296	-19.2	4205.	RRCSM	UMTS FDD	Uplink	14:29:07.443	DCCH	RADIO_BEARER_SETUP_COMPLETE	
					1917.	14:29:19.102	10562	296		4206.	RRCSM	UMTS FDD	Downlink	14:29:07.731	DCCH	RADIO_BEARER_RECONFIGURATION	
					1918.	14:29:19.102	10562	296	-16.5	4207.	RRCSM	UMTS FDD	Downlink	14:29:07.771	DCCH	DOWNLINK_DIRECT_TRANSFER	
					1919.	14:29:19.870	10562	296		4208.	L3SM	UMTS FDD	Downlink	14:29:07.771	DCCH	PROGRESS	
					1920.	14:29:19.870	10562	296	-16.5	4209.	RRCSM	UMTS FDD	Uplink	14:29:07.772	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE	
					1921.	14:29:20.324	10562	296		4210.	RRCSM	UMTS FDD	Downlink	14:29:08.051	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION	
					1922.	14:29:20.324	10562	296	-17.2	4211.	RRCSM	UMTS FDD	Uplink	14:29:08.092	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE	
					1923.	14:29:22.183	10562	296		4212.	RRCSM	UMTS FDD	Downlink	14:29:08.971	DCCH	MEASUREMENT_CONTROL	
					1924.	14:29:22.183	10562	296	-24.5	4213.	RRCSM	UMTS FDD	Downlink	14:29:13.331	DCCH	DOWNLINK_DIRECT_TRANSFER	
					1925.	14:29:22.903	10562	296		4214.	L3SM	UMTS FDD	Downlink	14:29:13.331	DCCH	PROGRESS	
					1926.	14:29:22.903	10562	296	-22.5	4215.	RRCSM	UMTS FDD	Uplink	14:29:17.912	DCCH	MEASUREMENT_REPORT	
					1927.	14:29:24.154	10562	296		4216.	RRCSM	UMTS FDD	Uplink	14:29:17.941	DCCH	UPLINK_DIRECT_TRANSFER	
					1928.	14:29:24.154	10562	296	-19.9	4217.	L3SM	UMTS FDD	Uplink	14:29:17.941	DCCH	DISCONNECT	
					1929.	14:29:25.821	10562	296		4218.	RRCSM	UMTS FDD	Downlink	14:29:18.130	DCCH	DOWNLINK_DIRECT_TRANSFER	

Analysis:

- This call failure event occurred on short call at 14:29:18:208 time when UE was latched with 3G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the failure, UE was latched with PSC 296 and RF condition RSCP -124.4 dBm and Ec/No -22.4 dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-1 Call Attempt Failure Analysis 4 From MS5 Airtel MO

	Time	System	Serving band		1st active f	Time	Ch	SC	1. best active Ec/Ni		Event ID	System	Transf. dir.	Time	Subchannel	Message name		
1.	14:14:45.079	UMTS FDD	2100	N	2020.	14:30:03.585	10562	296	-11.9		4267.	RRCSM	UMTS FDD	Uplink	14:29:49.989	DCCH	UPLINK_DIRECT_TRANSFER	
2.	14:26:38.631	UMTS FDD	2100	Ti	2021.	14:30:04.085	10562	296			4268.	L3SM	UMTS FDD	Uplink	14:29:49.989	DCCH	AUTHENTICATION_RESPONSE	
3.	14:29:18.208	UMTS FDD	2100	N	2022.	14:30:04.085	10562	296	-16		4269.	RRCSM	UMTS FDD	Downlink	14:29:50.092	DCCH	SECURITY_MODE_COMMAND	
4.	14:30:07.123	UMTS FDD	2100	N	2023.	14:30:04.807	10562	296			4270.	RRCSM	UMTS FDD	Uplink	14:29:50.093	DCCH	SECURITY_MODE_COMPLETE	
5.	15:10:23.097	UMTS FDD	2100	N	2024.	14:30:04.807	10562	296	-14.5		4271.	RRCSM	UMTS FDD	Uplink	14:29:50.183	DCCH	UPLINK_DIRECT_TRANSFER	
6.	16:11:34.848	UMTS FDD	900	C	2025.	14:30:05.144	10562	296			4272.	L3SM	UMTS FDD	Uplink	14:29:50.183	DCCH	SETUP	
					2026.	14:30:05.144	10562	296	-23.1		4273.	RRCSM	UMTS FDD	Downlink	14:29:50.192	DCCH	DOWNLINK_DIRECT_TRANSFER	
					2027.	14:30:05.864	10562	296			4274.	L3SM	UMTS FDD	Downlink	14:29:50.192	DCCH	IDENTITY_REQUEST	
					2028.	14:30:05.864	10562	296	-16.2		4275.	RRCSM	UMTS FDD	Uplink	14:29:50.193	DCCH	UPLINK_DIRECT_TRANSFER	
					2029.	14:30:06.186	10562	296			4276.	L3SM	UMTS FDD	Uplink	14:29:50.193	DCCH	IDENTITY_RESPONSE	
					2030.	14:30:06.186	10562	296	-13.5		4277.	RRCSM	UMTS FDD	Downlink	14:29:50.302	DCCH	DOWNLINK_DIRECT_TRANSFER	
					2031.	14:30:06.853	10562	296			4278.	L3SM	UMTS FDD	Downlink	14:29:50.302	DCCH	CALL_PROCEEDING	
					2032.	14:30:06.853	10562	296	-15.1		4279.	RRCSM	UMTS FDD	Uplink	14:29:50.445	DCCH	MEASUREMENT_REPORT	
					2033.	14:30:07.461	10562	296			4280.	RRCSM	UMTS FDD	Uplink	14:29:51.125	DCCH	MEASUREMENT_REPORT	
					2034.	14:30:07.461	10562	296	-14		4281.	RRCSM	UMTS FDD	Downlink	14:29:56.102	DCCH	RADIO_BEARER_SETUP	
					2035.	14:30:07.645	10562	296			4282.	RRCSM	UMTS FDD	Uplink	14:29:56.436	DCCH	RADIO_BEARER_SETUP_COMPLETE	
					2036.	14:30:07.645	10562	296	-13		4283.	RRCSM	UMTS FDD	Downlink	14:29:56.723	DCCH	RADIO_BEARER_RECONFIGURATION	
					2037.	14:30:07.870	10562	296			4284.	RRCSM	UMTS FDD	Downlink	14:29:56.763	DCCH	DOWNLINK_DIRECT_TRANSFER	
					2038.	14:30:07.870	10562	296	-13.9		4285.	L3SM	UMTS FDD	Downlink	14:29:56.763	DCCH	PROGRESS	
					2039.	14:30:09.027	10562	296			4286.	RRCSM	UMTS FDD	Uplink	14:29:56.765	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE	
					2040.	14:30:09.027	10562	296	-8.9		4287.	RRCSM	UMTS FDD	Downlink	14:29:57.043	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION	
					2041.	14:30:10.243	10562	296			4288.	RRCSM	UMTS FDD	Uplink	14:29:57.084	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE	
					2042.	14:30:10.243	10562	296	-9		4289.	RRCSM	UMTS FDD	Uplink	14:29:57.765	DCCH	MEASUREMENT_REPORT	
					2043.	14:30:11.838	10562	296			4290.	RRCSM	UMTS FDD	Downlink	14:29:58.003	DCCH	MEASUREMENT_CONTROL	
					2044.	14:30:11.838	10562	296	-13.6		4291.	RRCSM	UMTS FDD	Uplink	14:30:00.525	DCCH	MEASUREMENT_REPORT	
					2045.	14:30:12.870	10562	296			4292.	RRCSM	UMTS FDD	Downlink	14:30:02.483	DCCH	DOWNLINK_DIRECT_TRANSFER	
					2046.	14:30:12.870	10562	296	-17.5		4293.	L3SM	UMTS FDD	Downlink	14:30:02.483	DCCH	PROGRESS	
					2047.	14:30:13.239	10562	296			4294.	RRCSM	UMTS FDD	Uplink	14:30:03.022	DCCH	MEASUREMENT_REPORT	
					2048.	14:30:13.239	10562	296	-17.5		4295.	RRCSM	UMTS FDD	Uplink	14:30:03.356	DCCH	MEASUREMENT_REPORT	
					2049.	14:30:14.078	10562	296			4296.	RRCSM	UMTS FDD	Uplink	14:30:04.954	DCCH	MEASUREMENT_REPORT	
					2050.	14:30:14.078	10562	296	-10		4297.	RRCSM	UMTS FDD	Uplink	14:30:06.925	DCCH	UPLINK_DIRECT_TRANSFER	
					2051.	14:30:15.531	10562	296			4298.	L3SM	UMTS FDD	Uplink	14:30:06.925	DCCH	DISCONNECT	
					2052.	14:30:15.531	10562	296	-8.8		4299.	RRCSM	UMTS FDD	Downlink	14:30:07.123	DCCH	DOWNLINK_DIRECT_TRANSFER	
					2053.	14:30:17.137	10562	296			4300.	L3SM	UMTS FDD	Downlink	14:30:07.123	DCCH	RELEASE	
					2054.	14:30:17.137	10562	296	-17.9		4301.	RRCSM	UMTS FDD	Uplink	14:30:07.180	DCCH	UPLINK_DIRECT_TRANSFER	
					2055.	14:30:17.919	10562	296			4302.	L3SM	UMTS FDD	Uplink	14:30:07.180	DCCH	RELEASE_COMPLETE	
					2056.	14:30:17.919	10562	296	-14		4303.	RRCSM	UMTS FDD	Downlink	14:30:07.363	DCCH	RRC_CONNECTION_RELEASE	

Analysis:

- This call failure event occurred on short call at 14:30:07:123 time when UE was latched with 3G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the failure, UE was latched with PSC 296 and RF condition RSCP -118.8 dBm and Ec/No -15.1 dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-1 Call Attempt Failure Analysis 5 From MS5 Airtel MO

	Time	System	Serving band		1st active E	Time	Ch	SC	1. best active Ec/Ni ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	14:14:45.079	UMTS FDD	2100	N	5653.	-117.2	15:10:15.878	10562	148		13006.	RRCSM	UMTS FDD	Uplink	15:10:06.186	DCCH	UPLINK_DIRECT_TRANSFER
2.	14:26:38.631	UMTS FDD	2100	Ti	5654.		15:10:15.878	10562	148	-25.4	13007.	L3SM	UMTS FDD	Uplink	15:10:06.186	DCCH	AUTHENTICATION_RESPONSE
3.	14:29:18.208	UMTS FDD	2100	N	5655.	-126.2	15:10:16.269	10562	148		13008.	RRCSM	UMTS FDD	Downlink	15:10:06.287	DCCH	SECURITY_MODE_COMMAND
4.	14:30:07.123	UMTS FDD	2100	N	5656.		15:10:16.269	10562	148	-20.4	13009.	RRCSM	UMTS FDD	Uplink	15:10:06.287	DCCH	SECURITY_MODE_COMPLETE
5.	15:10:23.097	UMTS FDD	2100	N	5657.	-119.4	15:10:16.898	10562	148		13010.	RRCSM	UMTS FDD	Downlink	15:10:06.397	DCCH	DOWNLINK_DIRECT_TRANSFER
6.	16:11:34.848	UMTS FDD	900	C	5658.		15:10:16.898	10562	148	-19.5	13011.	L3SM	UMTS FDD	Downlink	15:10:06.397	DCCH	IDENTITY_REQUEST
					5659.	-118.4	15:10:17.599	10562	148		13012.	RRCSM	UMTS FDD	Uplink	15:10:06.398	DCCH	UPLINK_DIRECT_TRANSFER
					5660.		15:10:17.599	10562	148	-20.3	13013.	L3SM	UMTS FDD	Uplink	15:10:06.398	DCCH	IDENTITY_RESPONSE
					5661.	-123.6	15:10:18.020	10562	148		13014.	RRCSM	UMTS FDD	Downlink	15:10:06.517	DCCH	DOWNLINK_DIRECT_TRANSFER
					5662.		15:10:18.020	10562	148	-22.8	13015.	L3SM	UMTS FDD	Downlink	15:10:06.517	DCCH	LOCATION_UPDATING_ACCEPT
					5663.	-122.7	15:10:18.661	10562	148		13016.	RRCSM	UMTS FDD	Uplink	15:10:06.518	DCCH	UPLINK_DIRECT_TRANSFER
					5664.		15:10:18.661	10562	148	-20.6	13017.	L3SM	UMTS FDD	Uplink	15:10:06.518	DCCH	CM_SERVICE_REQUEST
					5665.	-126	15:10:19.040	10562	148		13018.	RRCSM	UMTS FDD	Downlink	15:10:06.627	DCCH	DOWNLINK_DIRECT_TRANSFER
					5666.		15:10:19.040	10562	148	-23.9	13019.	L3SM	UMTS FDD	Downlink	15:10:06.627	DCCH	CM_SERVICE_ACCEPT
					5667.	-118.9	15:10:19.540	10562	148		13020.	RRCSM	UMTS FDD	Uplink	15:10:06.628	DCCH	UPLINK_DIRECT_TRANSFER
					5668.		15:10:19.540	10562	148	-18	13021.	L3SM	UMTS FDD	Uplink	15:10:06.628	DCCH	SETUP
					5669.	-128.5	15:10:20.168	10562	148		13022.	RRCSM	UMTS FDD	Downlink	15:10:06.737	DCCH	DOWNLINK_DIRECT_TRANSFER
					5670.	-127	15:10:20.847	10562	148		13023.	L3SM	UMTS FDD	Downlink	15:10:06.737	DCCH	CALL_PROCEEDING
					5671.	-126	15:10:21.180	10562	148		13024.	RRCSM	UMTS FDD	Uplink	15:10:07.299	DCCH	MEASUREMENT_REPORT
					5672.		15:10:21.180	10562	148	-25.6	13025.	RRCSM	UMTS FDD	Uplink	15:10:07.350	DCCH	MEASUREMENT_REPORT
					5673.	-124.3	15:10:21.877	10562	148		13026.	RRCSM	UMTS FDD	Uplink	15:10:07.618	DCCH	MEASUREMENT_REPORT
					5674.		15:10:21.877	10562	148	-23.9	13027.	RRCSM	UMTS FDD	Uplink	15:10:11.900	DCCH	MEASUREMENT_REPORT
					5675.	-126.5	15:10:22.468	10562	148		13028.	RRCSM	UMTS FDD	Uplink	15:10:12.018	DCCH	MEASUREMENT_REPORT
					5676.	-116	15:10:22.876	10562	148		13029.	RRCSM	UMTS FDD	Downlink	15:10:12.117	DCCH	RADIO_BEARER_SETUP
					5677.		15:10:22.876	10562	148	-17.2	13030.	RRCSM	UMTS FDD	Uplink	15:10:12.450	DCCH	RADIO_BEARER_SETUP_COMPLETE
					5678.	-123.5	15:10:23.515	10562	148		13031.	RRCSM	UMTS FDD	Downlink	15:10:12.737	DCCH	RADIO_BEARER_RECONFIGURATION
					5679.		15:10:23.515	10562	148	-22.5	13032.	RRCSM	UMTS FDD	Downlink	15:10:12.777	DCCH	DOWNLINK_DIRECT_TRANSFER
					5680.	-127	15:10:40.289	10562	148		13033.	L3SM	UMTS FDD	Downlink	15:10:12.777	DCCH	PROGRESS
					5681.		15:10:40.289	10562	148	-24.1	13034.	RRCSM	UMTS FDD	Uplink	15:10:12.779	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					5682.	-126.7	15:10:40.878	10562	148		13035.	RRCSM	UMTS FDD	Downlink	15:10:14.017	DCCH	MEASUREMENT_CONTROL
					5683.		15:10:40.878	10562	148	-24.4	13036.	RRCSM	UMTS FDD	Downlink	15:10:14.097	DCCH	SECURITY_MODE_COMMAND
					5684.	-126	15:10:41.952	10562	148		13037.	RRCSM	UMTS FDD	Uplink	15:10:14.098	DCCH	SECURITY_MODE_COMPLETE
					5685.		15:10:41.952	10562	148	-23.2	13038.	RRCSM	UMTS FDD	Uplink	15:10:14.118	DCCH	MEASUREMENT_REPORT
					5686.	-123.4	15:10:42.309	10562	148		13039.	RRCSM	UMTS FDD	Uplink	15:10:14.368	DCCH	MEASUREMENT_REPORT
					5687.		15:10:42.309	10562	148	-21.1	13040.	RRCSM	UMTS FDD	Downlink	15:10:14.497	DCCH	DOWNLINK_DIRECT_TRANSFER
					5688.	-115.6	15:14:07.385	10588	18		13041.	L3SM	UMTS FDD	Downlink	15:10:14.497	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					5689.		15:14:07.385	10588	18	-15.8	13042.	RRCSM	UMTS FDD	Uplink	15:10:14.500	DCCH	UPLINK_DIRECT_TRANSFER

Analysis:

- This call failure event occurred on short call at 15:10:23:097 time when UE was latched with 3G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the failure, UE was latched with PSC 148 and RF condition RSCP -116.00 dBm and Ec/No -17.2 dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-1 Call Attempt Failure Analysis 6 From MS5 Airtel MO

	Time	System	Serving band		st active f	Time	Ch	SC	1. best active Ec/Nf ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name		
1.	14:14:45.079	UMTS FDD	2100	N	9248.	16:10:56.917	3050	336	-12.6		23957.	RRCSM	UMTS FDD	Uplink	16:11:33.156	DCCH	INITIAL_DIRECT_TRANSFER	
2.	14:26:38.631	UMTS FDD	2100	Ti	9249.	16:10:57.823	3050	510			23958.	L3SM	UMTS FDD	Uplink	16:11:33.156	DCCH	CM_SERVICE_REQUEST	
3.	14:29:18.208	UMTS FDD	2100	N	9250.	16:10:57.823	3050	510	-12.2		23959.	RRCSM	UMTS FDD	Uplink	16:11:33.156	DCCH	INITIAL_DIRECT_TRANSFER	
4.	14:30:07.123	UMTS FDD	2100	N	9251.	16:10:58.415	3050	336			23960.	L3SM	UMTS FDD	Uplink	16:11:33.156	DCCH	ROUTING_AREA_UPDATE_REQUEST	
5.	15:10:23.097	UMTS FDD	2100	N	9252.	16:10:58.415	3050	336	-12.3		23961.	RRCSM	UMTS FDD	Downlink	16:11:33.389	DCCH	MEASUREMENT_CONTROL	
6.	16:11:34.848	UMTS FDD	900	C	9253.	16:10:58.803	3050	510			23962.	RRCSM	UMTS FDD	Downlink	16:11:33.439	DCCH	MEASUREMENT_CONTROL	
					9254.	16:10:58.803	3050	510	-10.4		23963.	RRCSM	UMTS FDD	Downlink	16:11:33.449	DCCH	MEASUREMENT_CONTROL	
					9255.	16:10:59.144	3050	510			23964.	RRCSM	UMTS FDD	Downlink	16:11:33.459	DCCH	MEASUREMENT_CONTROL	
					9256.	16:10:59.144	3050	510	-12.4		23965.	RRCSM	UMTS FDD	Downlink	16:11:33.469	DCCH	MEASUREMENT_CONTROL	
					9257.	16:10:59.803	3050	510			23966.	RRCSM	UMTS FDD	Downlink	16:11:33.509	DCCH	DOWNLINK_DIRECT_TRANSFER	
					9258.	16:10:59.803	3050	510	-16		23967.	L3SM	UMTS FDD	Downlink	16:11:33.509	DCCH	AUTHENTICATION_REQUEST	
					9259.	16:11:00.114	3050	336			23968.	RRCSM	UMTS FDD	Uplink	16:11:33.603	DCCH	UPLINK_DIRECT_TRANSFER	
					9260.	16:11:00.114	3050	336	-16.2		23969.	L3SM	UMTS FDD	Uplink	16:11:33.603	DCCH	AUTHENTICATION_RESPONSE	
					9261.	16:11:00.932	3050	336			23970.	RRCSM	UMTS FDD	Downlink	16:11:33.719	DCCH	SECURITY_MODE_COMMAND	
					9262.	16:11:00.932	3050	336	-6.5		23971.	RRCSM	UMTS FDD	Uplink	16:11:33.720	DCCH	SECURITY_MODE_COMPLETE	
					9263.	16:11:33.108	3050	510			23972.	RRCSM	UMTS FDD	Uplink	16:11:33.810	DCCH	UPLINK_DIRECT_TRANSFER	
					9264.	16:11:33.108	3050	510	-10.5		23973.	L3SM	UMTS FDD	Uplink	16:11:33.810	DCCH	SETUP	
					9265.	16:11:33.824	3050	510			23974.	RRCSM	UMTS FDD	Downlink	16:11:33.829	DCCH	DOWNLINK_DIRECT_TRANSFER	
					9266.	16:11:33.824	3050	510	-11.2		23975.	L3SM	UMTS FDD	Downlink	16:11:33.829	DCCH	IDENTITY_REQUEST	
					9267.	16:11:34.110	3050	510			23976.	RRCSM	UMTS FDD	Uplink	16:11:33.830	DCCH	UPLINK_DIRECT_TRANSFER	
					9268.	16:11:34.110	3050	510	-9.4		23977.	L3SM	UMTS FDD	Uplink	16:11:33.830	DCCH	IDENTITY_RESPONSE	
					9269.	16:11:34.801	3050	510			23978.	RRCSM	UMTS FDD	Downlink	16:11:33.939	DCCH	DOWNLINK_DIRECT_TRANSFER	
					9270.	16:11:34.801	3050	510	-9.7		23979.	L3SM	UMTS FDD	Downlink	16:11:33.939	DCCH	CALL_PROCEEDING	
					9271.	16:11:35.271	3050	510			23980.	RRCSM	UMTS FDD	Uplink	16:11:34.680	DCCH	MEASUREMENT_REPORT	
					9272.	16:11:35.271	3050	510	-9.7		23981.	RRCSM	UMTS FDD	Uplink	16:11:34.742	DCCH	MEASUREMENT_REPORT	
					9273.	16:11:35.902	3050	510			23982.	RRCSM	UMTS FDD	Uplink	16:11:34.782	DCCH	MEASUREMENT_REPORT	
					9274.	16:11:35.902	3050	510	-9.4		23983.	RRCSM	UMTS FDD	Uplink	16:11:34.826	DCCH	UPLINK_DIRECT_TRANSFER	
					9275.	16:11:36.122	3050	510			23984.	L3SM	UMTS FDD	Uplink	16:11:34.826	DCCH	DISCONNECT	
					9276.	16:11:36.122	3050	510	-9.4		23985.	RRCSM	UMTS FDD	Downlink	16:11:34.919	DCCH	DOWNLINK_DIRECT_TRANSFER	
					9277.	16:11:36.825	3050	510			23986.	L3SM	UMTS FDD	Downlink	16:11:34.919	DCCH	RELEASE	
					9278.	16:11:36.825	3050	510	-9.1		23987.	RRCSM	UMTS FDD	Uplink	16:11:34.920	DCCH	UPLINK_DIRECT_TRANSFER	
					9279.	16:11:37.182	3050	510			23988.	L3SM	UMTS FDD	Uplink	16:11:34.920	DCCH	RELEASE_COMPLETE	
					9280.	16:11:37.182	3050	510	-10.6		23989.	RRCSM	UMTS FDD	Downlink	16:11:34.999	DCCH	MEASUREMENT_CONTROL	
					9281.	16:11:38.058	3050	510			23990.	RRCSM	UMTS FDD	Downlink	16:11:35.019	DCCH	SIGNALLING_CONNECTION_RELEASE	
					9282.	16:11:38.058	3050	510	-7		23991.	RRCSM	UMTS FDD	Uplink	16:11:35.020	DCCH	INITIAL_DIRECT_TRANSFER	
					9283.	16:11:39.235	3050	510			23992.	L3SM	UMTS FDD	Uplink	16:11:35.020	DCCH	LOCATION_UPDATING_REQUEST	
					9284.	16:11:39.235	3050	510	-6		23993.	RRCSM	UMTS FDD	Downlink	16:11:35.069	DCCH	SECURITY_MODE_COMMAND	

Analysis:

- This call failure event occurred on short call at 16:11:34:848 time when UE was latched with 3G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the session UE was latched with PSC 510 and RF condition RSCP - 78.00 dBm and ECNO -9.7 dB are very good.
- Need to check MT End.

Phase-1 Call Attempt Failure Analysis 6 From MS6 Airtel MT

	Time	Cell type	Band	Band (MHz)	Ch	PCI	RSRP	SNR		Event ID	System	Transf. dir.	Time	P_REV	Subchannel	Message name
10836.	16:11:27.122							13.3	23228.	RRCSM	LTE FDD	Downlink	16:11:05.666	0	BCCH-SCH	SystemInformation - SIB2,SIB3
10837.	16:11:27.602	Serving	B20	800	6400	153	-92.2		23229.	L3SM	LTE FDD	Uplink	16:11:05.685			TRACKING_AREA_UPDATE_REQUEST
10838.	16:11:27.602							16.4	23230.	RRCSM	LTE FDD	Uplink	16:11:05.685	0	CCCH	RRCCConnectionRequest
10839.	16:11:28.174	Serving	B20	800	6400	153	-95.3		23231.	RRCSM	LTE FDD	Downlink	16:11:05.730	0	CCCH	RRCCConnectionSetup
10840.	16:11:28.174							14.9	23232.	RRCSM	LTE FDD	Uplink	16:11:05.733	0	DCCH	RRCCConnectionSetupComplete
10841.	16:11:28.644	Serving	B20	800	6400	153	-96.4		23233.	RRCSM	LTE FDD	Downlink	16:11:05.916	0	DCCH	SecurityModeCommand
10842.	16:11:28.644							14.1	23234.	RRCSM	LTE FDD	Uplink	16:11:05.917	0	DCCH	SecurityModeComplete
10843.	16:11:29.139	Serving	B20	800	6400	153	-94.6		23235.	RRCSM	LTE FDD	Downlink	16:11:05.930	0	DCCH	UECapabilityEnquiry
10844.	16:11:29.139							11.8	23236.	RRCSM	LTE FDD	Uplink	16:11:05.933	0	DCCH	UECapabilityInformation
10845.	16:11:29.688	Serving	B20	800	6400	153	-97.3		23237.	RRCSM	UMTS FDD	Uplink	16:11:05.933	0		INTER_RAT_HANDOVER_INFO
10846.	16:11:29.688							11.3	23238.	RRCSM	LTE FDD	Downlink	16:11:05.968	0	DCCH	RRCCConnectionReconfiguration
10847.	16:11:30.254	Serving	B20	800	6400	153	-94.6		23239.	RRCSM	LTE FDD	Uplink	16:11:05.971	0	DCCH	RRCCConnectionReconfigurationCor
10848.	16:11:30.254							16.2	23240.	L3SM	LTE FDD	Downlink	16:11:05.972			TRACKING_AREA_UPDATE_ACCEPT
10849.	16:11:30.787	Serving	B20	800	6400	153	-98.9		23241.	L3SM	LTE FDD	Uplink	16:11:05.974			TRACKING_AREA_UPDATE_COMPLET
10850.	16:11:30.787							13.6	23242.	RRCSM	LTE FDD	Uplink	16:11:05.974	0	DCCH	ULInformationTransfer
10851.	16:11:31.262	Serving	B20	800	6400	153	-92		23243.	RRCSM	LTE FDD	Downlink	16:11:06.003	0	DCCH	DLInformationTransfer
10852.	16:11:31.262							12.6	23244.	L3SM	LTE FDD	Downlink	16:11:06.003			EMM_INFORMATION
10853.	16:11:31.808	Serving	B20	800	6400	153	-97.6		23245.	RRCSM	LTE FDD	Downlink	16:11:06.016	0	DCCH	DLInformationTransfer
10854.	16:11:31.808							14.5	23246.	L3SM	LTE FDD	Downlink	16:11:06.016			MODIFY_EPS_BEARER_CONTEXT_REC
10855.	16:11:32.268	Serving	B20	800	6400	153	-92.4		23247.	L3SM	LTE FDD	Uplink	16:11:06.018			MODIFY_EPS_BEARER_CONTEXT_ACI
10856.	16:11:32.268							15.6	23248.	RRCSM	LTE FDD	Uplink	16:11:06.018	0	DCCH	ULInformationTransfer
10857.	16:11:32.822	Serving	B20	800	6400	153	-93.9		23249.	RRCSM	LTE FDD	Downlink	16:11:25.661	0	DCCH	RRCCConnectionRelease
10858.	16:11:32.822							14.5	23250.	RRCSM	LTE FDD	Downlink	16:11:34.871	0	PCCH	Paging
10859.	16:11:41.149	Serving	B3	1800	1300	153	-98.9		23251.	L3SM	LTE FDD	Uplink	16:11:34.871			EXTENDED_SERVICE_REQUEST
10860.	16:11:41.149								23252.	RRCSM	LTE FDD	Uplink	16:11:34.872	0	CCCH	RRCCConnectionRequest
10861.	16:11:41.149							15.5	23253.	RRCSM	LTE FDD	Downlink	16:11:34.930	0	CCCH	RRCCConnectionSetup
10862.	16:11:41.670	Serving	B3	1800	1300	153	-98.5		23254.	RRCSM	LTE FDD	Uplink	16:11:34.934	0	DCCH	RRCCConnectionSetupComplete
10863.	16:11:41.670							16.2	23255.	RRCSM	LTE FDD	Downlink	16:11:34.978	0	DCCH	SecurityModeCommand
10864.	16:11:42.173	Serving	B3	1800	1300	153	-103.9		23256.	RRCSM	LTE FDD	Uplink	16:11:34.979	0	DCCH	SecurityModeComplete
10865.	16:11:42.173							13.6	23257.	RRCSM	LTE FDD	Downlink	16:11:34.992	0	DCCH	UECapabilityEnquiry
10866.	16:11:42.690	Serving	B3	1800	1300	153	-110		23258.	RRCSM	LTE FDD	Uplink	16:11:34.993	0	DCCH	UECapabilityInformation
10867.	16:11:42.690							7	23259.	RRCSM	UMTS FDD	Uplink	16:11:34.993	0		INTER_RAT_HANDOVER_INFO
10868.	16:11:43.186	Serving	B3	1800	1300	153	-99.1		23260.	RRCSM	LTE FDD	Downlink	16:11:35.018	0	DCCH	RRCCConnectionReconfiguration
10869.	16:11:43.186							12.1	23261.	RRCSM	LTE FDD	Uplink	16:11:35.020	0	DCCH	RRCCConnectionReconfigurationCor
10870.	16:11:43.662	Serving	B3	1800	1300	153	-106.4		23262.	RRCSM	LTE FDD	Downlink	16:11:35.033	0	DCCH	RRCCConnectionReconfiguration
10871.	16:11:43.662							12.7	23263.	RRCSM	LTE FDD	Uplink	16:11:35.034	0	DCCH	RRCCConnectionReconfigurationCor

Analysis:

- On MT End, During the setup fail, UE was latched with PCI 153 and RF condition RSRP -93.9 dBm and SINR 14.5 dB both are ok.
- On both MO And MT Side, RF Conditions seems OK Also there is no abnormal message regarding failure.
- Need to check from Network End.

Phase-1 Call Attempt Failure Analysis 1 From MS7 CWS MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ▲		System	Transf. dir.	Time	Subchannel	Message name
1.	15:48:22.424	UMTS FDD	2100	Dro	6562. -121.3	15:48:20.298	10690	104		20478.	UMTS FDD	Uplink	15:48:06.891	DCCH	MEASUREMENT_REPORT
2.	15:49:51.347	UMTS FDD	2100	Call	6563.	15:48:20.298	10690	104	-19.2	20479.	UMTS FDD	Uplink	15:48:07.061	DCCH	MEASUREMENT_REPORT
3.	15:52:12.309	GSM	900	TCF	6564. -121.3	15:48:20.439	10690	104		20480.	UMTS FDD	Uplink	15:48:07.770	DCCH	MEASUREMENT_REPORT
4.	16:06:58.391	UMTS FDD	2100	Call	6565.	15:48:20.439	10690	104	-19.2	20481.	UMTS FDD	Uplink	15:48:08.184	DCCH	MEASUREMENT_REPORT
5.	16:08:25.940	UMTS FDD	2100	Call	6566. -121.3	15:48:20.678	10690	104		20482.	UMTS FDD	Uplink	15:48:08.364	DCCH	INITIAL_DIRECT_TRANSFER
6.	16:09:58.140	UMTS FDD	2100	Dro	6567.	15:48:20.678	10690	104	-19.2	20483.	UMTS FDD	Uplink	15:48:08.364	DCCH	CM_SERVICE_REQUEST
					6568. -124.6	15:48:20.790	10690	104		20484.	UMTS FDD	Uplink	15:48:08.604	DCCH	MEASUREMENT_REPORT
					6569.	15:48:20.790	10690	104	-22.5	20485.	UMTS FDD	Downlink	15:48:08.633	DCCH	SECURITY_MODE_COMMAND
					6570. -124.6	15:48:20.939	10690	104		20486.	UMTS FDD	Uplink	15:48:08.633	DCCH	SECURITY_MODE_COMPLETE
					6571.	15:48:20.939	10690	104	-22.5	20487.	UMTS FDD	Uplink	15:48:08.890	DCCH	UPLINK_DIRECT_TRANSFER
					6572. -122	15:48:21.299	10690	104		20488.	UMTS FDD	Uplink	15:48:08.890	DCCH	SETUP
					6573.	15:48:21.299	10690	104	-20.4	20489.	UMTS FDD	Downlink	15:48:08.970	DCCH	DOWNLINK_DIRECT_TRANSFER
					6574. -122	15:48:21.439	10690	104		20490.	UMTS FDD	Downlink	15:48:08.970	DCCH	TMSI_REALLOCATION_COMMAND
					6575.	15:48:21.439	10690	104	-20.4	20491.	UMTS FDD	Uplink	15:48:08.970	DCCH	UPLINK_DIRECT_TRANSFER
					6576. -122	15:48:21.678	10690	104		20492.	UMTS FDD	Uplink	15:48:08.970	DCCH	TMSI_REALLOCATION_COMPLETE
					6577.	15:48:21.678	10690	104	-20.4	20493.	UMTS FDD	Uplink	15:48:09.081	DCCH	MEASUREMENT_REPORT
					6578. -122.2	15:48:21.876	10690	104		20494.	UMTS FDD	Downlink	15:48:09.290	DCCH	DOWNLINK_DIRECT_TRANSFER
					6579.	15:48:21.876	10690	104	-21.3	20495.	UMTS FDD	Downlink	15:48:09.290	DCCH	CALL_PROCEEDING
					6580. -122.2	15:48:21.939	10690	104		20496.	UMTS FDD	Uplink	15:48:09.581	DCCH	MEASUREMENT_REPORT
					6581.	15:48:21.939	10690	104	-21.3	20497.	UMTS FDD	Downlink	15:48:09.809	DCCH	MEASUREMENT_CONTROL
					6582. -125.3	15:48:22.328	10690	105		20498.	UMTS FDD	Uplink	15:48:10.081	DCCH	MEASUREMENT_REPORT
					6583.	15:48:22.328	10690	105	-23.8	20499.	UMTS FDD	Uplink	15:48:10.581	DCCH	MEASUREMENT_REPORT
					6584. -125.3	15:48:22.607	10690	105		20500.	UMTS FDD	Uplink	15:48:10.799	DCCH	MEASUREMENT_REPORT
					6585.	15:48:22.607	10690	105	-23.8	20501.	UMTS FDD	Uplink	15:48:11.070	DCCH	MEASUREMENT_REPORT
					6586. -121.5	15:48:22.854	10690	104		20502.	UMTS FDD	Uplink	15:48:11.570	DCCH	MEASUREMENT_REPORT
					6587.	15:48:22.854	10690	104	-19.9	20503.	UMTS FDD	Uplink	15:48:11.799	DCCH	MEASUREMENT_REPORT
					6588. -121.5	15:48:22.939	10690	104		20504.	UMTS FDD	Uplink	15:48:12.070	DCCH	MEASUREMENT_REPORT
					6589.	15:48:22.939	10690	104	-19.9	20505.	UMTS FDD	Downlink	15:48:12.078	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					6590. -123.3	15:48:23.328	10690	104		20506.	UMTS FDD	Uplink	15:48:12.570	DCCH	MEASUREMENT_REPORT
					6591.	15:48:23.328	10690	104	-21	20507.	UMTS FDD	Uplink	15:48:12.799	DCCH	MEASUREMENT_REPORT
					6592. -123.3	15:48:23.439	10690	104		20508.	UMTS FDD	Uplink	15:48:12.800	DCCH	MEASUREMENT_REPORT
					6593.	15:48:23.439	10690	104	-21	20509.	UMTS FDD	Uplink	15:48:12.951	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					6594. -123.3	15:48:23.678	10690	104		20510.	UMTS FDD	Uplink	15:48:13.030	DCCH	MEASUREMENT_REPORT
					6595.	15:48:23.678	10690	104	-21	20511.	UMTS FDD	Uplink	15:48:13.080	DCCH	MEASUREMENT_REPORT
					6596. -124.9	15:48:23.854	10690	104		20512.	UMTS FDD	Uplink	15:48:13.580	DCCH	MEASUREMENT_REPORT

Analysis:

- This call failure event occurred on short call at 15:48:22:424 time when UE was latched with 3G network.
- After sending “CM Service Request” message to core network, then core network responds with “Call Proceeding” message. After that call setup has been failed.
- During the failure, UE was latched with PSC 105 and RF condition RSCP -125.3 dBm and Ec/No -23.08 dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-1 Call Attempt Failure Analysis 2 From MS7 CWS MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ▲		System	Transf. dir.	Time	Subchannel	Message name	
1.	15:48:22.424	UMTS FDD	2100	Dro	7435.		15:49:49.298	10690	104	-19.9	20878.	UMTS FDD	Uplink	15:49:36.278	DCCH	MEASUREMENT_REPORT
2.	15:49:51.347	UMTS FDD	2100	Call	7436.	-123.5	15:49:49.528	10690	104		20879.	UMTS FDD	Uplink	15:49:36.508	DCCH	MEASUREMENT_REPORT
3.	15:52:12.309	GSM	900	TC	7437.		15:49:49.528	10690	104	-19.9	20880.	UMTS FDD	Uplink	15:49:36.798	DCCH	MEASUREMENT_REPORT
4.	16:06:58.391	UMTS FDD	2100	Call	7438.	-124.7	15:49:49.787	10690	105		20881.	UMTS FDD	Uplink	15:49:37.018	DCCH	MEASUREMENT_REPORT
5.	16:08:25.940	UMTS FDD	2100	Call	7439.		15:49:49.787	10690	105	-24.8	20882.	UMTS FDD	Uplink	15:49:37.278	DCCH	MEASUREMENT_REPORT
6.	16:09:58.140	UMTS FDD	2100	Dro	7440.	-124.7	15:49:50.028	10690	105		20883.	UMTS FDD	Uplink	15:49:37.518	DCCH	MEASUREMENT_REPORT
					7441.		15:49:50.028	10690	105	-24.8	20884.	UMTS FDD	Uplink	15:49:38.018	DCCH	MEASUREMENT_REPORT
					7442.	-126	15:49:50.202	10690	104		20885.	UMTS FDD	Uplink	15:49:38.121	DCCH	INITIAL_DIRECT_TRANSFER
					7443.		15:49:50.202	10690	104	-23.1	20886.	UMTS FDD	Uplink	15:49:38.121	DCCH	CM_SERVICE_REQUEST
					7444.	-126	15:49:50.672	10690	104		20887.	UMTS FDD	Uplink	15:49:38.278	DCCH	MEASUREMENT_REPORT
					7445.		15:49:50.672	10690	104	-23.1	20888.	UMTS FDD	Downlink	15:49:38.477	DCCH	SECURITY_MODE_COMMAND
					7446.	-126	15:49:51.347	10690	104		20889.	UMTS FDD	Uplink	15:49:38.477	DCCH	SECURITY_MODE_COMPLETE
					7447.		15:49:51.347	10690	104	-23.1	20890.	UMTS FDD	Uplink	15:49:38.518	DCCH	MEASUREMENT_REPORT
					7448.	-119.7	15:50:06.638	10690	105		20891.	UMTS FDD	Uplink	15:49:38.717	DCCH	UPLINK_DIRECT_TRANSFER
					7449.		15:50:06.638	10690	105	-15.1	20892.	UMTS FDD	Uplink	15:49:38.717	DCCH	SETUP
					7450.	-124.3	15:50:06.791	10690	105		20893.	UMTS FDD	Uplink	15:49:38.798	DCCH	MEASUREMENT_REPORT
					7451.		15:50:06.791	10690	105	-18.5	20894.	UMTS FDD	Uplink	15:49:39.018	DCCH	MEASUREMENT_REPORT
					7452.	-121.4	15:50:07.327	10690	105		20895.	UMTS FDD	Downlink	15:49:39.157	DCCH	DOWNLINK_DIRECT_TRANSFER
					7453.		15:50:07.327	10690	105	-15.6	20896.	UMTS FDD	Downlink	15:49:39.157	DCCH	TMSI_REALLOCATION_COMMAND
					7454.	-122.3	15:50:08.057	10690	105		20897.	UMTS FDD	Uplink	15:49:39.158	DCCH	UPLINK_DIRECT_TRANSFER
					7455.		15:50:08.057	10690	105	-16.6	20898.	UMTS FDD	Uplink	15:49:39.158	DCCH	TMSI_REALLOCATION_COMPLETE
					7456.	-121	15:50:08.303	10690	105		20899.	UMTS FDD	Uplink	15:49:39.278	DCCH	MEASUREMENT_REPORT
					7457.		15:50:08.303	10690	105	-20.1	20900.	UMTS FDD	Downlink	15:49:39.357	DCCH	DOWNLINK_DIRECT_TRANSFER
					7458.	-117.1	15:50:08.857	10690	105		20901.	UMTS FDD	Downlink	15:49:39.357	DCCH	CALL_PROCEEDING
					7459.		15:50:08.857	10690	105	-17.3	20902.	UMTS FDD	Uplink	15:49:39.518	DCCH	MEASUREMENT_REPORT
					7460.	-122	15:50:09.456	10690	105		20903.	UMTS FDD	Uplink	15:49:40.018	DCCH	MEASUREMENT_REPORT
					7461.		15:50:09.456	10690	105	-16.4	20904.	UMTS FDD	Uplink	15:49:40.278	DCCH	MEASUREMENT_REPORT
					7462.	-119.1	15:50:10.077	10690	105		20905.	UMTS FDD	Uplink	15:49:40.518	DCCH	MEASUREMENT_REPORT
					7463.		15:50:10.077	10690	105	-19.3	20906.	UMTS FDD	Uplink	15:49:41.018	DCCH	MEASUREMENT_REPORT
					7464.	-123.4	15:50:10.856	10690	105		20907.	UMTS FDD	Uplink	15:49:41.278	DCCH	MEASUREMENT_REPORT
					7465.		15:50:10.856	10690	105	-19.6	20908.	UMTS FDD	Uplink	15:49:41.518	DCCH	MEASUREMENT_REPORT
					7466.	-120.2	15:50:11.395	10690	105		20909.	UMTS FDD	Uplink	15:49:42.018	DCCH	MEASUREMENT_REPORT
					7467.		15:50:11.395	10690	105	-21.3	20910.	UMTS FDD	Uplink	15:49:42.278	DCCH	MEASUREMENT_REPORT
					7468.	-121.8	15:50:12.000	10690	105		20911.	UMTS FDD	Uplink	15:49:42.518	DCCH	MEASUREMENT_REPORT
					7469.		15:50:12.000	10690	105	-18.2	20912.	UMTS FDD	Uplink	15:49:43.018	DCCH	MEASUREMENT_REPORT

Analysis:

- This call failure event occurred on short call at 15:49:51:347 time when UE was latched with 3G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the failure, UE was latched with PSC 104 and RF condition RSCP -126 dBm and Ec/No -23.01 dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-1 Call Attempt Failure Analysis 3 From MS7 CWS MO

	Time	System	Serving band		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	Li ▲		System	Transf. dir.	Time	Subchannel	Message name	Msg. typ ▲	
1.	15:48:22.424	UMTS FDD	2100	Dro	2057.	15:51:59.035	-98	16		1	0	55	21627.	GSM	Uplink	15:52:02.146	SACCH	MEASUREMENT_REPORT	
2.	15:49:51.347	UMTS FDD	2100	Call	2058.	15:51:59.321						55	21628.	GSM	Downlink	15:52:02.316	SACCH	MEASUREMENT_INFORMATION	
3.	15:52:12.309	GSM	900	TCF	2059.	15:51:59.358	-97	16		1	0	55	21629.	GSM	Uplink	15:52:02.616	SACCH	MEASUREMENT_REPORT	
4.	16:06:58.391	UMTS FDD	2100	Call	2060.	15:51:59.792						55	21630.	GSM	Downlink	15:52:02.787	SACCH	MEASUREMENT_INFORMATION	
5.	16:08:25.940	UMTS FDD	2100	Call	2061.	15:52:00.050	-97	16		1	0	55	21631.	GSM	Uplink	15:52:03.087	SACCH	MEASUREMENT_REPORT	
6.	16:09:58.140	UMTS FDD	2100	Dro	2062.	15:52:00.263						55	21632.	GSM	Downlink	15:52:03.258	SACCH	SYSTEM_INFORMATION_TYPE_5	
					2063.	15:52:00.433	-96	16		1	0	55	21633.	GSM	Uplink	15:52:03.558	SACCH	MEASUREMENT_REPORT	
					2064.	15:52:01.227	-99	16		1	0	55	21634.	GSM	Uplink	15:52:04.029	SACCH	MEASUREMENT_REPORT	
					2065.	15:52:01.786	-96	16		1	0	55	21635.	GSM	Downlink	15:52:04.199	SACCH	SYSTEM_INFORMATION_TYPE_6	
					2066.	15:52:02.168	-96	16		1	0	55	21636.	GSM	Uplink	15:52:04.500	SACCH	MEASUREMENT_REPORT	
					2067.	15:52:02.851	-98	16		1	0	55	21637.	GSM	Uplink	15:52:04.970	SACCH	MEASUREMENT_REPORT	
					2068.	15:52:03.087						55	21638.	GSM	Uplink	15:52:05.441	SACCH	MEASUREMENT_REPORT	
					2069.	15:52:03.258	-97	16		1	0	55	21639.	GSM	Uplink	15:52:05.912	SACCH	MEASUREMENT_REPORT	
					2070.	15:52:03.558						55	21640.	GSM	Uplink	15:52:06.383	SACCH	MEASUREMENT_REPORT	
					2071.	15:52:03.789	-97	16		1	0	55	21641.	GSM	Uplink	15:52:06.853	SACCH	MEASUREMENT_REPORT	
					2072.	15:52:04.287	-96	16		1	0	55	21642.	GSM	Uplink	15:52:07.324	SACCH	MEASUREMENT_REPORT	
					2073.	15:52:04.500						55	21643.	GSM	Uplink	15:52:07.795	SACCH	MEASUREMENT_REPORT	
					2074.	15:52:04.853	-97	16		1	0	55	21644.	GSM	Uplink	15:52:08.266	SACCH	MEASUREMENT_REPORT	
					2075.	15:52:04.970						55	21645.	GSM	Downlink	15:52:08.436	SACCH	MEASUREMENT_INFORMATION	
					2076.	15:52:05.441	-98	16		1	0	55	21646.	GSM	Uplink	15:52:08.736	SACCH	MEASUREMENT_REPORT	
					2077.	15:52:06.405	-96	16		1	0	55	21647.	GSM	Uplink	15:52:09.207	SACCH	MEASUREMENT_REPORT	
					2078.	15:52:07.024	-97	16		1	0	55	21648.	GSM	Downlink	15:52:09.378	SACCH	MEASUREMENT_INFORMATION	
					2079.	15:52:07.522	-98	16		1	0	55	21649.	GSM	Uplink	15:52:09.678	SACCH	MEASUREMENT_REPORT	
					2080.	15:52:08.053	-96	16		1	0	55	21650.	GSM	Downlink	15:52:09.701	DCCH	ASSIGNMENT_COMMAND	
					2081.	15:52:08.436	-97	16		1	0	55	21651.	GSM	Uplink	15:52:09.761	DCCH	ASSIGNMENT_COMPLETE	
					2082.	15:52:08.736						55	21652.	GSM	Uplink	15:52:10.061	SACCH	MEASUREMENT_REPORT	
					2083.	15:52:08.995	-97	16		1	0	55	21653.	GSM	Uplink	15:52:10.541	SACCH	MEASUREMENT_REPORT	
					2084.	15:52:09.207						55	21654.	GSM	Uplink	15:52:10.878	DCCH	ASSIGNMENT_FAILURE	
					2085.	15:52:09.230	-96	16		1	0	55	21655.	GSM	Uplink	15:52:11.090	SACCH	MEASUREMENT_REPORT	
					2086.	15:52:09.678						55	21656.	GSM	Uplink	15:52:11.561	SACCH	MEASUREMENT_REPORT	
					2087.	15:52:10.061						55	21657.	GSM	Uplink	15:52:12.032	SACCH	MEASUREMENT_REPORT	
					2088.	15:52:10.186	-98	25		1	0	55	21658.	GSM	Downlink	15:52:16.194	BCCH	SYSTEM_INFORMATION_TYPE_4	
					2089.	15:52:10.853	-100	25		1	0	55	21659.	GSM	Downlink	15:52:17.463	BCCH	SYSTEM_INFORMATION_TYPE_3	
					2090.	15:52:11.113	-100	16		1	0	55	21660.	GSM	Uplink	15:52:43.107	DCCH	CM_SERVICE_REQUEST	
					2091.	15:52:12.308	-98	16		1	0	55	21661.	GSM	Downlink	15:52:50.795	BCCH	SYSTEM_INFORMATION_TYPE_3	
					2092.	15:52:12.308						55	21662.	GSM	Downlink	15:52:52.683	BCCH	SYSTEM_INFORMATION_TYPE_3	
					2093.	15:52:16.194				1	0	55 ▼	21663.	GSM	Downlink	15:52:52.914	BCCH	SYSTEM_INFORMATION_TYPE_4	

Analysis:

- This call failure event occurred on short short call at 15:52:12:309 time when UE was latched with 2G network.
- During the session before the call failure UE send "CM Service Request " and "Setup" message to core network. Then call setup has been failed.
- During the session UE was latched with ARFCN 16 and RF condition Rx lev -98
- and Rx qual 6 dB was very poor.
- As per the Analysis the call setup failure event occurred due to poor quality in the network.

Phase-1 Call Attempt Failure Analysis 4 From MS7 CWS MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ▲		System	Transf. dir.	Time	Subchannel	Message name
1.	15:48:22.424	UMTS FDD	2100	Dro	9176.	16:06:54.063	10690	105	-10.4	24136.	UMTS FDD	Uplink	16:06:51.594	DCCH	CM_SERVICE_REQUEST
2.	15:49:51.347	UMTS FDD	2100	Call	9177.	16:06:54.787	10690	105	-96.1	24137.	UMTS FDD	Uplink	16:06:51.595	DCCH	UPLINK_DIRECT_TRANSFER
3.	15:52:12.309	GSM	900	TCH	9178.	16:06:54.787	10690	105	-4.3	24138.	UMTS FDD	Uplink	16:06:51.595	DCCH	ROUTING_AREA_UPDATE_REQUEST
4.	16:06:58.391	UMTS FDD	2100	Call	9179.	16:06:55.084	10690	105	-100.1	24139.	UMTS FDD	Downlink	16:06:52.031	DCCH	MEASUREMENT_CONTROL
5.	16:08:25.940	UMTS FDD	2100	Call	9180.	16:06:55.084	10690	105	-5.7	24140.	UMTS FDD	Downlink	16:06:52.111	DCCH	MEASUREMENT_CONTROL
6.	16:09:58.140	UMTS FDD	2100	Dro	9181.	16:06:55.874	10690	105	-95.5	24141.	UMTS FDD	Downlink	16:06:52.151	DCCH	MEASUREMENT_CONTROL
					9182.	16:06:55.874	10690	105	-6.3	24142.	UMTS FDD	Downlink	16:06:52.191	DCCH	MEASUREMENT_CONTROL
					9183.	16:06:56.113	10690	105	-98.6	24143.	UMTS FDD	Downlink	16:06:52.231	DCCH	MEASUREMENT_CONTROL
					9184.	16:06:56.113	10690	105	-5.8	24144.	UMTS FDD	Downlink	16:06:52.271	DCCH	MEASUREMENT_CONTROL
					9185.	16:06:56.886	10690	105	-97.2	24145.	UMTS FDD	Downlink	16:06:52.311	DCCH	MEASUREMENT_CONTROL
					9186.	16:06:56.886	10690	105	-5.4	24146.	UMTS FDD	Downlink	16:06:52.351	DCCH	SECURITY_MODE_COMMAND
					9187.	16:06:57.394	10690	105	-99.6	24147.	UMTS FDD	Uplink	16:06:52.351	DCCH	SECURITY_MODE_COMPLETE
					9188.	16:06:57.394	10690	105	-6.4	24148.	UMTS FDD	Uplink	16:06:52.591	DCCH	UPLINK_DIRECT_TRANSFER
					9189.	16:06:57.842	10690	105	-99.6	24149.	UMTS FDD	Uplink	16:06:52.591	DCCH	SETUP
					9190.	16:06:57.842	10690	105	-6.4	24150.	UMTS FDD	Downlink	16:06:52.671	DCCH	DOWNLINK_DIRECT_TRANSFER
					9191.	16:06:57.894	10690	105	-88.8	24151.	UMTS FDD	Downlink	16:06:52.671	DCCH	TMSI_REALLOCATION_COMMAND
					9192.	16:06:57.894	10690	105	-4.7	24152.	UMTS FDD	Uplink	16:06:52.672	DCCH	UPLINK_DIRECT_TRANSFER
					9193.	16:06:58.112	10690	105	-88.8	24153.	UMTS FDD	Uplink	16:06:52.672	DCCH	TMSI_REALLOCATION_COMPLETE
					9194.	16:06:58.112	10690	105	-4.7	24154.	UMTS FDD	Downlink	16:06:52.951	DCCH	DOWNLINK_DIRECT_TRANSFER
					9195.	16:06:58.352	10690	105	-88.8	24155.	UMTS FDD	Downlink	16:06:52.951	DCCH	CALL_PROCEEDING
					9196.	16:06:58.352	10690	105	-4.7	24156.	UMTS FDD	Uplink	16:06:52.952	DCCH	MEASUREMENT_REPORT
					9197.	16:06:58.474	10690	105	-91.6	24157.	UMTS FDD	Uplink	16:06:53.403	DCCH	MEASUREMENT_REPORT
					9198.	16:06:58.474	10690	105	-4.1	24158.	UMTS FDD	Uplink	16:06:54.112	DCCH	MEASUREMENT_REPORT
					9199.	16:06:58.824	10690	105	-94.2	24159.	UMTS FDD	Uplink	16:06:54.554	DCCH	MEASUREMENT_REPORT
					9200.	16:06:58.824	10690	105	-5	24160.	UMTS FDD	Downlink	16:06:54.871	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					9201.	16:06:58.852	10690	105	-94.2	24161.	UMTS FDD	Uplink	16:06:55.679	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					9202.	16:06:58.852	10690	105	-5	24162.	UMTS FDD	Downlink	16:06:55.991	DCCH	MEASUREMENT_CONTROL
					9203.	16:06:59.352	10690	105	-94.2	24163.	UMTS FDD	Uplink	16:06:56.112	DCCH	MEASUREMENT_REPORT
					9204.	16:06:59.352	10690	105	-5	24164.	UMTS FDD	Uplink	16:06:56.342	DCCH	MEASUREMENT_REPORT
					9205.	16:06:59.486	10690	105	-97.3	24165.	UMTS FDD	Uplink	16:06:56.842	DCCH	MEASUREMENT_REPORT
					9206.	16:06:59.486	10690	105	-4.7	24166.	UMTS FDD	Uplink	16:06:57.342	DCCH	MEASUREMENT_REPORT
					9207.	16:06:59.852	10690	105	-97.3	24167.	UMTS FDD	Uplink	16:06:57.594	DCCH	MEASUREMENT_REPORT
					9208.	16:06:59.852	10690	105	-4.7	24168.	UMTS FDD	Downlink	16:06:57.630	DCCH	DOWNLINK_DIRECT_TRANSFER
					9209.	16:07:00.074	10690	105	-98.8	24169.	UMTS FDD	Downlink	16:06:57.630	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					9210.	16:07:00.074	10690	105	-6.4	24170.	UMTS FDD	Uplink	16:06:57.632	DCCH	UPLINK_DIRECT_TRANSFER
					9211.	16:07:00.112	10690	105	-98.8	24171.	UMTS FDD	Uplink	16:06:57.632	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					9212.	16:07:00.112	10690	105	-6.4	24172.	UMTS FDD	Downlink	16:06:57.711	DCCH	DOWNLINK_DIRECT_TRANSFER

Analysis:

- This call failure event occurred on short call at 16:06:58:391 time when UE was latched with 3G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the session UE was latched with PSC 105 and RF condition RSCP - 88.8 dBm and ECNO -4.7 dB are very good.
- Need to check MT End.

Phase-1 Call Attempt Failure Analysis 4 From MS8 CWS MT

	1. best active RSCP	Time	Ch	SC	1. best ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name
6305.		16:06:18.874	10690	105	-5.2	23674.	L3SM	UMTS FDD	Uplink	16:06:56.537	DCCH	ROUTING_AREA_UPDATE_REQUEST
6306.	-77.2	16:06:19.341	10690	105		23675.	RRCSM	UMTS FDD	Downlink	16:06:56.973	DCCH	MEASUREMENT_CONTROL
6307.		16:06:19.341	10690	105	-5.6	23676.	RRCSM	UMTS FDD	Downlink	16:06:57.053	DCCH	MEASUREMENT_CONTROL
6308.	-74	16:06:19.856	10690	105		23677.	RRCSM	UMTS FDD	Downlink	16:06:57.093	DCCH	MEASUREMENT_CONTROL
6309.		16:06:19.856	10690	105	-4.8	23678.	RRCSM	UMTS FDD	Downlink	16:06:57.133	DCCH	MEASUREMENT_CONTROL
6310.	-82.3	16:06:20.281	10690	105		23679.	RRCSM	UMTS FDD	Downlink	16:06:57.173	DCCH	MEASUREMENT_CONTROL
6311.		16:06:20.281	10690	105	-6.5	23680.	RRCSM	UMTS FDD	Downlink	16:06:57.213	DCCH	MEASUREMENT_CONTROL
6312.	-97	16:06:55.725	10690	105		23681.	RRCSM	UMTS FDD	Downlink	16:06:57.253	DCCH	MEASUREMENT_CONTROL
6313.		16:06:55.725	10690	105	-6.5	23682.	RRCSM	UMTS FDD	Downlink	16:06:57.293	DCCH	SECURITY_MODE_COMMAND
6314.	-97	16:06:56.325	10690	105		23683.	RRCSM	UMTS FDD	Uplink	16:06:57.293	DCCH	SECURITY_MODE_COMPLETE
6315.		16:06:56.325	10690	105	-4.9	23684.	RRCSM	UMTS FDD	Downlink	16:06:57.613	DCCH	DOWNLINK_DIRECT_TRANSFER
6316.	-97	16:06:56.825	10690	105		23685.	L3SM	UMTS FDD	Downlink	16:06:57.613	DCCH	TMSI_REALLOCATION_COMMAND
6317.		16:06:56.825	10690	105	-6.6	23686.	RRCSM	UMTS FDD	Uplink	16:06:57.614	DCCH	UPLINK_DIRECT_TRANSFER
6318.	-97	16:06:57.253	10690	105		23687.	L3SM	UMTS FDD	Uplink	16:06:57.614	DCCH	TMSI_REALLOCATION_COMPLETE
6319.		16:06:57.253	10690	105	-6.1	23688.	RRCSM	UMTS FDD	Downlink	16:06:57.893	DCCH	DOWNLINK_DIRECT_TRANSFER
6320.	-97	16:06:57.854	10690	105		23689.	L3SM	UMTS FDD	Downlink	16:06:57.893	DCCH	SETUP
6321.		16:06:57.854	10690	105	-3.8	23690.	RRCSM	UMTS FDD	Uplink	16:06:57.894	DCCH	MEASUREMENT_REPORT
6322.	-97	16:06:58.415	10690	105		23691.	RRCSM	UMTS FDD	Uplink	16:06:57.894	DCCH	UPLINK_DIRECT_TRANSFER
6323.		16:06:58.415	10690	105	-6.2	23692.	L3SM	UMTS FDD	Uplink	16:06:57.894	DCCH	CALL_CONFIRMED
6324.	-97	16:06:58.905	10690	105		23693.	RRCSM	UMTS FDD	Uplink	16:06:57.894	DCCH	UPLINK_DIRECT_TRANSFER
6325.		16:06:58.905	10690	105	-3.7	23694.	L3SM	UMTS FDD	Uplink	16:06:57.894	DCCH	ALERTING
6326.	-99.6	16:06:59.443	10690	105		23695.	RRCSM	UMTS FDD	Uplink	16:06:58.051	DCCH	UPLINK_DIRECT_TRANSFER
6327.		16:06:59.443	10690	105	-8.1	23696.	L3SM	UMTS FDD	Uplink	16:06:58.051	DCCH	CONNECT
6328.	-95.3	16:06:59.903	10690	105		23697.	RRCSM	UMTS FDD	Uplink	16:06:58.345	DCCH	MEASUREMENT_REPORT
6329.		16:06:59.903	10690	105	-4.7	23698.	RRCSM	UMTS FDD	Downlink	16:06:58.893	DCCH	RADIO_BEARER_SETUP
6330.	-93.6	16:07:00.443	10690	105		23699.	RRCSM	UMTS FDD	Downlink	16:06:58.973	DCCH	DOWNLINK_DIRECT_TRANSFER
6331.		16:07:00.443	10690	105	-4.8	23700.	L3SM	UMTS FDD	Downlink	16:06:58.973	DCCH	DISCONNECT
6332.	-98	16:07:32.383	10690	105		23701.	RRCSM	UMTS FDD	Uplink	16:06:58.974	DCCH	UPLINK_DIRECT_TRANSFER
6333.		16:07:32.383	10690	105	-5.6	23702.	L3SM	UMTS FDD	Uplink	16:06:58.974	DCCH	RELEASE
6334.	-98	16:07:32.894	10690	105		23703.	RRCSM	UMTS FDD	Uplink	16:06:59.054	DCCH	MEASUREMENT_REPORT
6335.		16:07:32.894	10690	105	-4.5	23704.	RRCSM	UMTS FDD	Uplink	16:06:59.382	DCCH	RADIO_BEARER_SETUP_COMPLETE
6336.	-98	16:07:33.451	10690	105		23705.	RRCSM	UMTS FDD	Downlink	16:06:59.653	DCCH	MEASUREMENT_CONTROL
6337.		16:07:33.451	10690	105	-4.6	23706.	RRCSM	UMTS FDD	Downlink	16:06:59.653	DCCH	MEASUREMENT_CONTROL
6338.	-98	16:07:33.854	10690	105		23707.	RRCSM	UMTS FDD	Downlink	16:06:59.693	DCCH	MEASUREMENT_CONTROL
6339.		16:07:33.854	10690	105	-4.8	23708.	RRCSM	UMTS FDD	Downlink	16:06:59.853	DCCH	RADIO_BEARER_RELEASE
6340.	-98	16:07:34.399	10690	105		23709.	RRCSM	UMTS FDD	Downlink	16:06:59.893	DCCH	MEASUREMENT_CONTROL

Analysis:

- On MT End, During the setup fail, UE was latched with PCI 105 and RF condition RSCP -97 dBm and Ec/No -3.8 dB both are ok.
- On both MO And MT Side, RF Conditions seems OK Also there is no abnormal message regarding failure.
- Need to check from Network End.

Phase-1 Call Attempt Failure Analysis 5 From MS7 CWS MO

	Time	System	Serving band		I. best active RSCP	Time	Ch	SC	I. best		System	Transf. dir.	Time	Subchannel	Message name	Msg. typ
1.	15:48:22.424	UMTS FDD	2100	Dro	9532.	16:08:23.836	10690	105	-11.5	24480.	UMTS FDD	Downlink	16:08:18.540	DCCH	MEASUREMENT_CONTROL	
2.	15:49:51.347	UMTS FDD	2100	Call	9533.	16:08:24.141	10690	105		24481.	UMTS FDD	Downlink	16:08:18.580	DCCH	MEASUREMENT_CONTROL	
3.	15:52:12.309	GSM	900	TCF	9534.	16:08:24.141	10690	105	-13.1	24482.	UMTS FDD	Downlink	16:08:18.620	DCCH	MEASUREMENT_CONTROL	
4.	16:06:58.391	UMTS FDD	2100	Call	9535.	16:08:24.202	10690	105		24483.	UMTS FDD	Downlink	16:08:18.660	DCCH	MEASUREMENT_CONTROL	
5.	16:08:25.940	UMTS FDD	2100	Call	9536.	16:08:24.202	10690	105	-13.1	24484.	UMTS FDD	Downlink	16:08:18.700	DCCH	MEASUREMENT_CONTROL	
6.	16:09:58.140	UMTS FDD	2100	Dro	9537.	16:08:24.542	10690	105		24485.	UMTS FDD	Downlink	16:08:18.740	DCCH	MEASUREMENT_CONTROL	
					9538.	16:08:24.542	10690	105	-13.1	24486.	UMTS FDD	Downlink	16:08:18.780	DCCH	SECURITY_MODE_COMMAND	
					9539.	16:08:24.712	10690	105		24487.	UMTS FDD	Uplink	16:08:18.781	DCCH	SECURITY_MODE_COMPLETE	
					9540.	16:08:24.712	10690	105	-13.1	24488.	UMTS FDD	Uplink	16:08:18.903	DCCH	MEASUREMENT_REPORT	
					9541.	16:08:24.794	10690	105		24489.	UMTS FDD	Uplink	16:08:19.021	DCCH	UPLINK_DIRECT_TRANSFER	
					9542.	16:08:24.794	10690	105	-8.5	24490.	UMTS FDD	Uplink	16:08:19.021	DCCH	SETUP	
					9543.	16:08:25.090	10690	105		24491.	UMTS FDD	Downlink	16:08:19.220	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION	
					9544.	16:08:25.090	10690	105	-8.6	24492.	UMTS FDD	Downlink	16:08:19.380	DCCH	DOWNLINK_DIRECT_TRANSFER	
					9545.	16:08:25.211	10690	105		24493.	UMTS FDD	Downlink	16:08:19.380	DCCH	TMSI_REALLOCATION_COMMAND	
					9546.	16:08:25.211	10690	105	-8.6	24494.	UMTS FDD	Uplink	16:08:19.381	DCCH	UPLINK_DIRECT_TRANSFER	
					9547.	16:08:25.711	10690	105		24495.	UMTS FDD	Uplink	16:08:19.381	DCCH	TMSI_REALLOCATION_COMPLETE	
					9548.	16:08:25.711	10690	105	-8.6	24496.	UMTS FDD	Downlink	16:08:19.620	DCCH	DOWNLINK_DIRECT_TRANSFER	
					9549.	16:08:25.835	10690	105		24497.	UMTS FDD	Downlink	16:08:19.620	DCCH	CALL_PROCEEDING	
					9550.	16:08:25.835	10690	105	-10.6	24498.	UMTS FDD	Uplink	16:08:19.833	DCCH	MEASUREMENT_REPORT	
					9551.	16:08:26.211	10690	105		24499.	UMTS FDD	Uplink	16:08:20.027	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE	
					9552.	16:08:26.211	10690	105	-10.6	24500.	UMTS FDD	Downlink	16:08:20.340	DCCH	MEASUREMENT_CONTROL	
					9553.	16:08:26.221	10690	105		24501.	UMTS FDD	Uplink	16:08:20.542	DCCH	MEASUREMENT_REPORT	
					9554.	16:08:26.221	10690	105	-11.9	24502.	UMTS FDD	Uplink	16:08:20.692	DCCH	MEASUREMENT_REPORT	
					9555.	16:08:26.542	10690	105		24503.	UMTS FDD	Uplink	16:08:20.951	DCCH	MEASUREMENT_REPORT	
					9556.	16:08:26.542	10690	105	-11.9	24504.	UMTS FDD	Uplink	16:08:21.191	DCCH	MEASUREMENT_REPORT	
					9557.	16:08:26.900	10690	105		24505.	UMTS FDD	Uplink	16:08:21.691	DCCH	MEASUREMENT_REPORT	
					9558.	16:08:26.900	10690	105	-15.9	24506.	UMTS FDD	Uplink	16:08:22.041	DCCH	MEASUREMENT_REPORT	
					9559.	16:08:27.282	10690	105		24507.	UMTS FDD	Uplink	16:08:22.191	DCCH	MEASUREMENT_REPORT	
					9560.	16:08:27.282	10690	105	-13.7	24508.	UMTS FDD	Uplink	16:08:22.541	DCCH	MEASUREMENT_REPORT	
					9561.	16:08:27.859	10690	105		24509.	UMTS FDD	Uplink	16:08:22.701	DCCH	MEASUREMENT_REPORT	
					9562.	16:08:27.859	10690	105	-9.6	24510.	UMTS FDD	Uplink	16:08:23.201	DCCH	MEASUREMENT_REPORT	
					9563.	16:08:57.185	10715	196		24511.	UMTS FDD	Uplink	16:08:23.701	DCCH	MEASUREMENT_REPORT	
					9564.	16:08:57.185	10715	196	-4.6	24512.	UMTS FDD	Downlink	16:08:24.060	DCCH	DOWNLINK_DIRECT_TRANSFER	
					9565.	16:08:57.803	10715	196		24513.	UMTS FDD	Downlink	16:08:24.060	DCCH	ROUTING_AREA_UPDATE_ACCEPT	
					9566.	16:08:57.803	10715	196	-15.7	24514.	UMTS FDD	Uplink	16:08:24.062	DCCH	UPLINK_DIRECT_TRANSFER	
					9567.	16:08:58.252	10715	196		24515.	UMTS FDD	Uplink	16:08:24.062	DCCH	ROUTING_AREA_UPDATE_COMPLETE	
					9568.	16:08:58.252	10715	196	-13.1	24516.	UMTS FDD	Downlink	16:08:24.140	DCCH	DOWNLINK_DIRECT_TRANSFER	

Analysis:

- This call failure event occurred on short call at 16:08:25:940 time when UE was latched with 3G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the failure, UE was latched with PSC 105 and RF condition RSCP -109.5 dBm is poor and Ec/No -10.6 dB was ok.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-1 Call Attempt Failure Analysis 6 From MS7 CWS MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ▲		System	Transf. dir.	Time	Subchannel	Message name	
1.	15:48:22.424	UMTS FDD	2100	Dro	9799.		16:09:55.583	10715	147	-24	24845.	UMTS FDD	Uplink	16:09:45.964	DCCH	CM_SERVICE_REQUEST
2.	15:49:51.347	UMTS FDD	2100	Call	9800.	-123	16:09:55.613	10715	147		24846.	UMTS FDD	Uplink	16:09:45.969	DCCH	INITIAL_DIRECT_TRANSFER
3.	15:52:12.309	GSM	900	TCI	9801.		16:09:55.613	10715	147	-24	24847.	UMTS FDD	Uplink	16:09:45.969	DCCH	SERVICE_REQUEST
4.	16:06:58.391	UMTS FDD	2100	Call	9802.	-124.5	16:09:55.794	10715	147		24848.	UMTS FDD	Downlink	16:09:46.102	DCCH	SECURITY_MODE_COMMAND
5.	16:08:25.940	UMTS FDD	2100	Call	9803.	-124.5	16:09:56.113	10715	147		24849.	UMTS FDD	Uplink	16:09:46.102	DCCH	SECURITY_MODE_COMPLETE
6.	16:09:58.140	UMTS FDD	2100	Dro	9804.	-121.6	16:09:56.214	10715	147		24850.	UMTS FDD	Downlink	16:09:46.192	DCCH	DOWNLINK_DIRECT_TRANSFER
					9805.		16:09:56.214	10715	147	-16.9	24851.	UMTS FDD	Downlink	16:09:46.192	DCCH	CM_SERVICE_ACCEPT
					9806.	-121.6	16:09:56.583	10715	147		24852.	UMTS FDD	Uplink	16:09:46.192	DCCH	UPLINK_DIRECT_TRANSFER
					9807.		16:09:56.583	10715	147	-16.9	24853.	UMTS FDD	Uplink	16:09:46.192	DCCH	SETUP
					9808.	-121.6	16:09:56.613	10715	147		24854.	UMTS FDD	Downlink	16:09:46.372	DCCH	RADIO_BEARER_SETUP
					9809.		16:09:56.613	10715	147	-16.9	24855.	UMTS FDD	Downlink	16:09:46.392	DCCH	DOWNLINK_DIRECT_TRANSFER
					9810.	-124.3	16:09:56.857	10715	147		24856.	UMTS FDD	Downlink	16:09:46.392	DCCH	CALL_PROCEEDING
					9811.		16:09:56.857	10715	147	-24.5	24857.	UMTS FDD	Uplink	16:09:46.682	DCCH	RADIO_BEARER_SETUP_COMPLETE
					9812.	-124.3	16:09:57.113	10715	147		24858.	UMTS FDD	Downlink	16:09:46.902	DCCH	MEASUREMENT_CONTROL
					9813.		16:09:57.113	10715	147	-24.5	24859.	UMTS FDD	Downlink	16:09:46.942	DCCH	MEASUREMENT_CONTROL
					9814.	-123.6	16:09:57.294	10715	147		24860.	UMTS FDD	Downlink	16:09:46.981	DCCH	MEASUREMENT_CONTROL
					9815.		16:09:57.294	10715	147	-23.7	24861.	UMTS FDD	Downlink	16:09:47.021	DCCH	MEASUREMENT_CONTROL
					9816.	-123.6	16:09:57.583	10715	147		24862.	UMTS FDD	Downlink	16:09:47.061	DCCH	MEASUREMENT_CONTROL
					9817.		16:09:57.583	10715	147	-23.7	24863.	UMTS FDD	Downlink	16:09:47.101	DCCH	MEASUREMENT_CONTROL
					9818.	-123.6	16:09:57.613	10715	147		24864.	UMTS FDD	Uplink	16:09:47.274	DCCH	MEASUREMENT_REPORT
					9819.		16:09:57.613	10715	147	-23.7	24865.	UMTS FDD	Downlink	16:09:47.661	DCCH	RADIO_BEARER_RECONFIGURATION
					9820.	-118.7	16:09:57.859	10715	147		24866.	UMTS FDD	Uplink	16:09:47.743	DCCH	MEASUREMENT_REPORT
					9821.		16:09:57.859	10715	147	-19.3	24867.	UMTS FDD	Uplink	16:09:48.435	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					9822.	-118.7	16:09:58.113	10715	147		24868.	UMTS FDD	Downlink	16:09:48.661	DCCH	MEASUREMENT_CONTROL
					9823.		16:09:58.113	10715	147	-19.3	24869.	UMTS FDD	Downlink	16:09:48.701	DCCH	MEASUREMENT_CONTROL
					9824.	-118	16:09:58.344	10715	147		24870.	UMTS FDD	Downlink	16:09:48.702	DCCH	MEASUREMENT_CONTROL
					9825.		16:09:58.344	10715	147	-19.2	24871.	UMTS FDD	Uplink	16:09:48.903	DCCH	MEASUREMENT_REPORT
					9826.	-118	16:09:58.583	10715	147		24872.	UMTS FDD	Uplink	16:09:48.953	DCCH	MEASUREMENT_REPORT
					9827.		16:09:58.583	10715	147	-19.2	24873.	UMTS FDD	Uplink	16:09:48.994	DCCH	MEASUREMENT_REPORT
					9828.	-118	16:09:58.613	10715	147		24874.	UMTS FDD	Downlink	16:09:49.342	DCCH	RADIO_BEARER_SETUP
					9829.		16:09:58.613	10715	147	-19.2	24875.	UMTS FDD	Downlink	16:09:49.381	DCCH	MEASUREMENT_CONTROL
					9830.	-118	16:09:58.823	10715	147		24876.	UMTS FDD	Uplink	16:09:49.694	DCCH	RADIO_BEARER_SETUP_COMPLETE
					9831.		16:09:58.823	10715	147	-19.2	24877.	UMTS FDD	Downlink	16:09:49.862	DCCH	MEASUREMENT_CONTROL
					9832.	-122.2	16:09:58.893	10715	147		24878.	UMTS FDD	Downlink	16:09:49.982	DCCH	MEASUREMENT_CONTROL
					9833.		16:09:58.893	10715	147	-22.3	24879.	UMTS FDD	Downlink	16:09:50.061	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION

Analysis:

- This call failure event occurred on short call at 16:09:58:140 time when UE was latched with 3G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the failure, UE was latched with PSC 147 and RF condition RSCP -118.7 dBm and Ec/No -19.3 dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-1 Call Drop Analysis 1 From MS9 Airtel MO

	Time	System	Serving band	Call ty		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub		Event ID	System	Transf. dir.	Time	Subchannel	Message name	Msg. type
1.	14:20:06.026	GSM	900	Voice	347.	14:19:53.107	-96	105	18	50000	4		1691.	L3SM	GSM	Uplink	14:19:48.603	SACCH	MEASUREMENT_REPORT	
2.	16:08:29.589	GSM	900	Voice	348.	14:19:53.786	-96	105	18	50000	4		1692.	L3SM	GSM	Uplink	14:19:49.083	SACCH	MEASUREMENT_REPORT	
					349.	14:19:54.091	-95	105	18	50000	4		1693.	L3SM	GSM	Uplink	14:19:49.563	SACCH	MEASUREMENT_REPORT	
					350.	14:19:54.363					6		1694.	L3SM	GSM	Uplink	14:19:50.043	SACCH	MEASUREMENT_REPORT	
					351.	14:19:54.787	-95	105	18	50000	4		1695.	L3SM	GSM	Uplink	14:19:50.523	SACCH	MEASUREMENT_REPORT	
					352.	14:19:54.843					7		1696.	L3SM	GSM	Uplink	14:19:51.003	SACCH	MEASUREMENT_REPORT	
					353.	14:19:55.189	-95	105	18	50000	4		1697.	L3SM	GSM	Uplink	14:19:51.483	SACCH	MEASUREMENT_REPORT	
					354.	14:19:55.803	-95	105	18	50000	4		1698.	L3SM	GSM	Uplink	14:19:51.963	SACCH	MEASUREMENT_REPORT	
					355.	14:19:56.455	-95	105	18	50000	4		1699.	L3SM	GSM	Uplink	14:19:52.443	SACCH	MEASUREMENT_REPORT	
					356.	14:19:56.827	-95	105	18	50000	4		1700.	L3SM	GSM	Uplink	14:19:52.923	SACCH	MEASUREMENT_REPORT	
					357.	14:19:57.307	-95	105	18	50000	4		1701.	L3SM	GSM	Uplink	14:19:53.403	SACCH	MEASUREMENT_REPORT	
					358.	14:19:57.840	-96	105	18	50000	4		1702.	L3SM	GSM	Uplink	14:19:53.883	SACCH	MEASUREMENT_REPORT	
					359.	14:19:58.369	-95	105	18	50000	4		1703.	L3SM	GSM	Uplink	14:19:54.363	SACCH	MEASUREMENT_REPORT	
					360.	14:19:58.839	-96	105	18	50000	4		1704.	L3SM	GSM	Uplink	14:19:54.843	SACCH	MEASUREMENT_REPORT	
					361.	14:19:59.366	-95	105	18	50000	4		1705.	L3SM	GSM	Uplink	14:19:55.323	SACCH	MEASUREMENT_REPORT	
					362.	14:19:59.888	-95	105	18	50000	4		1706.	L3SM	GSM	Uplink	14:19:55.803	SACCH	MEASUREMENT_REPORT	
					363.	14:20:00.690	-96	105	18	50000	4		1707.	L3SM	GSM	Downlink	14:19:56.237	SACCH	SYSTEM_INFORMATION_TYPE_5	
					364.	14:20:01.838	-95	105	18	50000	4		1708.	L3SM	GSM	Uplink	14:19:56.283	SACCH	MEASUREMENT_REPORT	
					365.	14:20:02.107	-95	105	18	50000	4		1709.	L3SM	GSM	Uplink	14:19:56.763	SACCH	MEASUREMENT_REPORT	
					366.	14:20:02.809	-96	105	18	50000	4		1710.	L3SM	GSM	Uplink	14:19:57.243	SACCH	MEASUREMENT_REPORT	
					367.	14:20:03.146	-97	105	18	50000	4		1711.	L3SM	GSM	Uplink	14:19:57.723	SACCH	MEASUREMENT_REPORT	
					368.	14:20:03.769	-96	105	18	50000	4		1712.	L3SM	GSM	Uplink	14:19:58.203	SACCH	MEASUREMENT_REPORT	
					369.	14:20:04.184	-96	105	18	50000	4		1713.	L3SM	GSM	Uplink	14:19:58.683	SACCH	MEASUREMENT_REPORT	
					370.	14:20:04.836	-96	105	18	50000	4		1714.	L3SM	GSM	Uplink	14:19:59.163	SACCH	MEASUREMENT_REPORT	
					371.	14:20:05.047	-96	105	18	50000	4		1715.	L3SM	GSM	Uplink	14:19:59.643	SACCH	MEASUREMENT_REPORT	
					372.	14:20:06.027	-96	105	18	50000	4		1716.	L3SM	GSM	Uplink	14:20:00.123	SACCH	MEASUREMENT_REPORT	
					373.	14:20:06.027							1717.	L3SM	GSM	Uplink	14:20:00.603	SACCH	MEASUREMENT_REPORT	
					374.	14:20:09.838				50000	4		1718.	L3SM	GSM	Uplink	14:20:01.083	SACCH	MEASUREMENT_REPORT	
					375.	14:25:09.487	-73	3	12	1	0		1719.	L3SM	GSM	Uplink	14:20:01.563	SACCH	MEASUREMENT_REPORT	
					376.	14:25:09.839	-74	3	12	1	0		1720.	L3SM	GSM	Uplink	14:20:02.043	SACCH	MEASUREMENT_REPORT	
					377.	14:25:11.118	-73	3	12	1	0		1721.	L3SM	GSM	Uplink	14:20:02.523	SACCH	MEASUREMENT_REPORT	
					378.	14:25:12.039	-74	3		1	0		1722.	L3SM	GSM	Uplink	14:20:03.003	SACCH	MEASUREMENT_REPORT	
					379.	14:25:15.838				1	0		1723.	L3SM	GSM	Uplink	14:20:03.483	SACCH	MEASUREMENT_REPORT	
					380.	14:26:25.404	-48	3	12	1	0		1724.	L3SM	GSM	Uplink	14:20:03.963	SACCH	MEASUREMENT_REPORT	
					381.	14:26:27.840	-48	3	12	1	0		1725.	L3SM	GSM	Uplink	14:20:04.443	SACCH	MEASUREMENT_REPORT	
					382.	14:26:29.071	-48	3	12	1	0		1726.	L3SM	GSM	Uplink	14:20:04.923	SACCH	MEASUREMENT_REPORT	
					383.	14:26:30.124				1	0		1727.	L3SM	GSM	Uplink	14:20:05.403	SACCH	MEASUREMENT_REPORT	

Analysis:

- This call drop event occurred on long call at 14:20:06:026 time when UE was latched with 2G network.
- After getting Alerting message at 14:18:42:039 time than Call drop happened.
- During the session UE was latched with ARFCN 105 and RF condition Rx Level -95 dBm and Rx Qual 6 dB both are -poor.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-1 Call Drop Analysis 2 From MS9 Airtel MO

	Time	System	Serving band	Call ty		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	Msg. ▲	
1.	14:20:06.026	GSM	900	Voice	1478.	16:07:58.005	-95	100	40	50000	4			11788.	L3SM	GSM	Uplink	16:08:18.172	SACCH	MEASUREMENT_REPORT	
2.	16:08:29.589	GSM	900	Voice	1479.	16:07:58.005						4		11789.	L3SM	GSM	Uplink	16:08:18.652	SACCH	MEASUREMENT_REPORT	
					1480.	16:07:58.485	-94	100	40	50000	4			11790.	L3SM	GSM	Uplink	16:08:19.132	SACCH	MEASUREMENT_REPORT	
					1481.	16:07:58.485						5		11791.	L3SM	GSM	Uplink	16:08:19.612	SACCH	MEASUREMENT_REPORT	
					1482.	16:07:58.965						6		11792.	L3SM	GSM	Uplink	16:08:20.091	SACCH	MEASUREMENT_REPORT	
					1483.	16:07:59.113	-95	100	40	50000	4			11793.	L3SM	GSM	Uplink	16:08:20.571	SACCH	MEASUREMENT_REPORT	
					1484.	16:07:59.445						6		11794.	L3SM	GSM	Uplink	16:08:21.050	SACCH	MEASUREMENT_REPORT	
					1485.	16:07:59.460	-94	100	40	50000	4			11795.	L3SM	GSM	Uplink	16:08:21.530	SACCH	MEASUREMENT_REPORT	
					1486.	16:07:59.925						5		11796.	L3SM	GSM	Downlink	16:08:21.964	SACCH	SYSTEM_INFORMATION_TYPE_6	
					1487.	16:08:00.133	-95	100	40	50000	4			11797.	L3SM	GSM	Uplink	16:08:22.011	SACCH	MEASUREMENT_REPORT	
					1488.	16:08:00.405						6		11798.	L3SM	GSM	Uplink	16:08:22.490	SACCH	MEASUREMENT_REPORT	
					1489.	16:08:00.839	-95	100	40	50000	4			11799.	L3SM	GSM	Uplink	16:08:22.971	SACCH	MEASUREMENT_REPORT	
					1490.	16:08:01.111	-94	100	40	50000	4			11800.	L3SM	GSM	Uplink	16:08:23.451	SACCH	MEASUREMENT_REPORT	
					1491.	16:08:01.365						5		11801.	L3SM	GSM	Uplink	16:08:23.930	SACCH	MEASUREMENT_REPORT	
					1492.	16:08:01.845	-95	100	40	50000	4			11802.	L3SM	GSM	Uplink	16:08:24.411	SACCH	MEASUREMENT_REPORT	
					1493.	16:08:01.845						6		11803.	L3SM	GSM	Uplink	16:08:24.891	SACCH	MEASUREMENT_REPORT	
					1494.	16:08:02.325	-94	100	40	50000	4			11804.	L3SM	GSM	Uplink	16:08:25.371	SACCH	MEASUREMENT_REPORT	
					1495.	16:08:02.325						5		11805.	L3SM	GSM	Uplink	16:08:25.851	SACCH	MEASUREMENT_REPORT	
					1496.	16:08:02.805	-95	100	40	50000	4			11806.	L3SM	GSM	Uplink	16:08:26.331	SACCH	MEASUREMENT_REPORT	
					1497.	16:08:02.805						6		11807.	L3SM	GSM	Uplink	16:08:26.810	SACCH	MEASUREMENT_REPORT	
					1498.	16:08:03.285						3		11808.	L3SM	GSM	Uplink	16:08:27.290	SACCH	MEASUREMENT_REPORT	
					1499.	16:08:03.765						6		11809.	L3SM	GSM	Uplink	16:08:27.771	SACCH	MEASUREMENT_REPORT	
					1500.	16:08:03.814	-93	100	40	50000	4			11810.	L3SM	GSM	Uplink	16:08:28.251	SACCH	MEASUREMENT_REPORT	
					1501.	16:08:04.351	-96	100	40	50000	4			11811.	L3SM	GSM	Uplink	16:08:28.731	SACCH	MEASUREMENT_REPORT	
					1502.	16:08:04.725						4		11812.	L3SM	GSM	Uplink	16:08:29.183	DCCH	CM_RE-ESTABLISHMENT_REQUEST	
					1503.	16:08:04.790	-94	100	40	50000	4			11813.	L3SM	GSM	Downlink	16:09:07.767	BCCH	SYSTEM_INFORMATION_TYPE_3	
					1504.	16:08:05.205						7		11814.	L3SM	GSM	Downlink	16:09:07.999	BCCH	SYSTEM_INFORMATION_TYPE_4	
					1505.	16:08:05.270	-95	100	40	50000	4			11815.	L3SM	GSM	Downlink	16:09:08.235	BCCH	SYSTEM_INFORMATION_TYPE_1	
					1506.	16:08:05.685						4		11816.	L3SM	GSM	Downlink	16:09:08.249	BCCH	SYSTEM_INFORMATION_TYPE_13	
					1507.	16:08:05.882	-95	100	40	50000	4			11817.	L3SM	GSM	Downlink	16:09:08.466	BCCH	SYSTEM_INFORMATION_TYPE_2	
					1508.	16:08:06.165						7		11818.	L3SM	GSM	Uplink	16:09:08.485	DCCH	LOCATION_UPDATING_REQUEST	
					1509.	16:08:06.193	-96	100	40	50000	4			11819.	L3SM	GSM	Downlink	16:09:08.588	CCCH	PAGING_REQUEST_TYPE_1	
					1510.	16:08:06.645						6		11820.	L3SM	GSM	Downlink	16:09:08.616	CCCH	IMMEDIATE_ASSIGNMENT	
					1511.	16:08:06.883	-95	100	40	50000	4			11821.	L3SM	GSM	Uplink	16:09:09.020	DCCH	CLASSMARK_CHANGE	
					1512.	16:08:07.125						7		11822.	L3SM	GSM	Uplink	16:09:09.020	DCCH	GPRS_SUSPENSION_REQUEST	
					1513.	16:08:07.393	-96	100	40	50000	4			11823.	L3SM	GSM	Downlink	16:09:09.094	SACCH	SYSTEM_INFORMATION_TYPE_5	
					1514.	16:08:07.883	-97	100	40	50000	4			11824.	L3SM	GSM	Uplink	16:09:09.214	SACCH	MEASUREMENT_REPORT	

Analysis:

- This call drop event occurred on long call at 16:08:29:589 time when UE was latched with 2G network.
- After getting Alerting message at 16:07:12:425 time than Call drop happened.
- During the session UE was latched with ARFCN 100 and RF condition Rx Level -94 dBm and Rx Qual 7 dB both are -poor.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-1 Call Drop Analysis 1 From MS11 CWS MO

	Time	System	Serving ba		Time	RxLev sub	ARFCN	LAC	RAC	RXQ sub		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	15:44:37.227	GSM	900	6837.	15:44:11.165					4		15524.	L3SM	GSM	Uplink	15:44:11.645	SACCH	MEASUREMENT_REPORT
2.	15:50:02.711	UMTS FDD	2100	6838.	15:44:11.645					4		15525.	L3SM	GSM	Uplink	15:44:12.125	SACCH	MEASUREMENT_REPORT
				6839.	15:44:11.090	-93	25	1	10			15526.	L3SM	GSM	Uplink	15:44:12.605	SACCH	MEASUREMENT_REPORT
				6840.	15:44:12.125					7		15527.	L3SM	GSM	Uplink	15:44:13.085	SACCH	MEASUREMENT_REPORT
				6841.	15:44:12.393	-97	25	1	10			15528.	L3SM	GSM	Uplink	15:44:13.565	SACCH	MEASUREMENT_REPORT
				6842.	15:44:12.605					6		15529.	L3SM	GSM	Downlink	15:44:13.999	SACCH	SYSTEM_INFORMATION_TYPE_6
				6843.	15:44:12.876	-97	25	1	10			15530.	L3SM	GSM	Uplink	15:44:14.045	SACCH	MEASUREMENT_REPORT
				6844.	15:44:13.085					7		15531.	L3SM	GSM	Downlink	15:44:14.479	SACCH	MEASUREMENT_INFORMATION
				6845.	15:44:13.361	-97	25	1	10			15532.	L3SM	GSM	Uplink	15:44:14.525	SACCH	MEASUREMENT_REPORT
				6846.	15:44:13.877	-98	25	1	10			15533.	L3SM	GSM	Uplink	15:44:15.005	SACCH	MEASUREMENT_REPORT
				6847.	15:44:14.525					6		15534.	L3SM	GSM	Uplink	15:44:15.485	SACCH	MEASUREMENT_REPORT
				6848.	15:44:14.571	-96	25	1	10			15535.	L3SM	GSM	Uplink	15:44:15.965	SACCH	MEASUREMENT_REPORT
				6849.	15:44:15.130	-96	25	1	10			15536.	L3SM	GSM	Downlink	15:44:16.399	SACCH	SYSTEM_INFORMATION_TYPE_5
				6850.	15:44:15.485					7		15537.	L3SM	GSM	Uplink	15:44:16.445	SACCH	MEASUREMENT_REPORT
				6851.	15:44:15.601	-98	25	1	10			15538.	L3SM	GSM	Downlink	15:44:16.879	SACCH	SYSTEM_INFORMATION_TYPE_5TER
				6852.	15:44:16.150	-98	25	1	10			15539.	L3SM	GSM	Uplink	15:44:16.925	SACCH	MEASUREMENT_REPORT
				6853.	15:44:16.450	-97	25	1	10			15540.	L3SM	GSM	Downlink	15:44:17.359	SACCH	SYSTEM_INFORMATION_TYPE_6
				6854.	15:44:16.925					6		15541.	L3SM	GSM	Uplink	15:44:17.405	SACCH	MEASUREMENT_REPORT
				6855.	15:44:17.110	-96	25	1	10			15542.	L3SM	GSM	Downlink	15:44:17.839	SACCH	MEASUREMENT_INFORMATION
				6856.	15:44:17.405					5		15543.	L3SM	GSM	Uplink	15:44:17.885	SACCH	MEASUREMENT_REPORT
				6857.	15:44:17.820	-96	25	1	10			15544.	L3SM	GSM	Downlink	15:44:18.319	SACCH	MEASUREMENT_INFORMATION
				6858.	15:44:17.885					6		15545.	L3SM	GSM	Uplink	15:44:18.365	SACCH	MEASUREMENT_REPORT
				6859.	15:44:18.070	-98	25	1	10			15546.	L3SM	GSM	Downlink	15:44:18.799	SACCH	MEASUREMENT_INFORMATION
				6860.	15:44:18.845	-95	25	1	10			15547.	L3SM	GSM	Uplink	15:44:18.845	SACCH	MEASUREMENT_REPORT
				6861.	15:44:19.805					7		15548.	L3SM	GSM	Uplink	15:44:19.325	SACCH	MEASUREMENT_REPORT
				6862.	15:44:19.814	-96	25	1	10			15549.	L3SM	GSM	Downlink	15:44:19.759	SACCH	SYSTEM_INFORMATION_TYPE_5
				6863.	15:44:20.290	-97	25	1	10			15550.	L3SM	GSM	Uplink	15:44:19.805	SACCH	MEASUREMENT_REPORT
				6864.	15:44:20.793	-98	25	1	10			15551.	L3SM	GSM	Downlink	15:44:20.239	SACCH	SYSTEM_INFORMATION_TYPE_5TER
				6865.	15:44:21.333	-99	25	1	10			15552.	L3SM	GSM	Uplink	15:44:20.285	SACCH	MEASUREMENT_REPORT
				6866.	15:44:21.973	-99	25	1	10			15553.	L3SM	GSM	Uplink	15:44:20.765	SACCH	MEASUREMENT_REPORT
				6867.	15:44:22.333	-98	25	1	10			15554.	L3SM	GSM	Uplink	15:44:21.245	SACCH	MEASUREMENT_REPORT
				6868.	15:44:22.870	-99	25	1	10			15555.	L3SM	GSM	Uplink	15:44:21.725	SACCH	MEASUREMENT_REPORT
				6869.	15:44:23.350	-99	25	1	10			15556.	L3SM	GSM	Uplink	15:44:22.205	SACCH	MEASUREMENT_REPORT
				6870.	15:44:23.931	-99	25	1	10			15557.	L3SM	GSM	Uplink	15:44:22.685	SACCH	MEASUREMENT_REPORT
				6871.	15:44:24.605	-98	25	1	10			15558.	L3SM	GSM	Uplink	15:44:23.165	SACCH	MEASUREMENT_REPORT
				6872.	15:44:25.491	-99	25	1	10			15559.	L3SM	GSM	Uplink	15:44:23.645	SACCH	MEASUREMENT_REPORT
				6873.	15:44:26.045	-100	25	1	10			15560.	L3SM	GSM	Uplink	15:44:24.125	SACCH	MEASUREMENT_REPORT

Analysis:

- This call drop event occurred on long call at 15:44:37:227 time when UE was latched with 2G network.
- After getting Alerting message at 15:43:02:954 time than Call drop happened.
- During the session UE was latched with ARFCN 25 and RF condition Rx Level -97 dBm and Rx Qual 6 dB both are -poor.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-1 Call Drop Analysis 2 From MS11 CWS MO

	Time	System	Serving ba		1. best active RSCP	Time	Ch	SC	1. best		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	15:44:37.227	GSM	900	4764.	-129.4	15:49:57.604	10690	104			16239.	RRCSM	UMTS FDD	Uplink	15:49:55.871	DCCH	MEASUREMENT_REPORT
2.	15:50:02.711	UMTS FDD	2100	4765.		15:49:57.604	10690	104	-23.6		16240.	RRCSM	UMTS FDD	Uplink	15:49:56.162	DCCH	MEASUREMENT_REPORT
				4766.	-129.4	15:49:58.081	10690	104			16241.	RRCSM	UMTS FDD	Uplink	15:49:56.662	DCCH	MEASUREMENT_REPORT
				4767.		15:49:58.081	10690	104	-23.6		16242.	RRCSM	UMTS FDD	Uplink	15:49:56.871	DCCH	MEASUREMENT_REPORT
				4768.	-128.2	15:49:58.824	10690	104			16243.	RRCSM	UMTS FDD	Uplink	15:49:57.162	DCCH	MEASUREMENT_REPORT
				4769.		15:49:58.824	10690	104	-22.6		16244.	RRCSM	UMTS FDD	Uplink	15:49:57.662	DCCH	MEASUREMENT_REPORT
				4770.	-125.1	15:49:59.124	10690	104			16245.	RRCSM	UMTS FDD	Uplink	15:49:57.871	DCCH	MEASUREMENT_REPORT
				4771.		15:49:59.124	10690	104	-19.5		16246.	RRCSM	UMTS FDD	Uplink	15:49:58.162	DCCH	MEASUREMENT_REPORT
				4772.	-125.5	15:49:59.878	10690	105			16247.	RRCSM	UMTS FDD	Uplink	15:49:58.661	DCCH	MEASUREMENT_REPORT
				4773.		15:49:59.878	10690	105	-21.7		16248.	RRCSM	UMTS FDD	Uplink	15:49:58.871	DCCH	MEASUREMENT_REPORT
				4774.	-134.5	15:50:00.200	10690	105			16249.	RRCSM	UMTS FDD	Uplink	15:49:59.072	DCCH	MEASUREMENT_REPORT
				4775.	-119.6	15:50:00.814	10690	105			16250.	RRCSM	UMTS FDD	Uplink	15:49:59.171	DCCH	MEASUREMENT_REPORT
				4776.		15:50:00.814	10690	105	-17.3		16251.	RRCSM	UMTS FDD	Uplink	15:49:59.672	DCCH	MEASUREMENT_REPORT
				4777.	-121.4	15:50:01.014	10690	105			16252.	RRCSM	UMTS FDD	Uplink	15:49:59.871	DCCH	MEASUREMENT_REPORT
				4778.		15:50:01.014	10690	105	-18.5		16253.	RRCSM	UMTS FDD	Uplink	15:50:00.042	DCCH	MEASUREMENT_REPORT
				4779.	-121.5	15:50:01.874	10690	105			16254.	RRCSM	UMTS FDD	Uplink	15:50:00.171	DCCH	MEASUREMENT_REPORT
				4780.		15:50:01.874	10690	105	-20		16255.	RRCSM	UMTS FDD	Uplink	15:50:00.671	DCCH	MEASUREMENT_REPORT
				4781.	-120	15:50:02.122	10690	104			16256.	RRCSM	UMTS FDD	Uplink	15:50:00.871	DCCH	MEASUREMENT_REPORT
				4782.		15:50:02.122	10690	104	-18.4		16257.	RRCSM	UMTS FDD	Uplink	15:50:01.171	DCCH	MEASUREMENT_REPORT
				4783.	-124.5	15:50:02.921	10690	105			16258.	RRCSM	UMTS FDD	Uplink	15:50:01.270	DCCH	MEASUREMENT_REPORT
				4784.		15:50:02.921	10690	105	-21.7		16259.	RRCSM	UMTS FDD	Uplink	15:50:01.671	DCCH	MEASUREMENT_REPORT
				4785.	-121.4	15:50:03.362	10690	105			16260.	RRCSM	UMTS FDD	Uplink	15:50:01.871	DCCH	MEASUREMENT_REPORT
				4786.		15:50:03.362	10690	105	-20.5		16261.	RRCSM	UMTS FDD	Uplink	15:50:02.171	DCCH	MEASUREMENT_REPORT
				4787.	-119.8	15:50:03.903	10690	105			16262.	RRCSM	UMTS FDD	Uplink	15:50:02.671	DCCH	MEASUREMENT_REPORT
				4788.		15:50:03.903	10690	105	-16.1		16263.	RRCSM	UMTS FDD	Downlink	15:50:02.710	DCCH	DOWNLINK_DIRECT_TRANSFER
				4789.	-92	15:52:00.907	10690	104			16264.	L3SM	UMTS FDD	Downlink	15:50:02.710	DCCH	DISCONNECT
				4790.		15:52:00.907	10690	104	-4.7		16265.	RRCSM	UMTS FDD	Uplink	15:50:02.711	DCCH	UPLINK_DIRECT_TRANSFER
				4791.	-92	15:52:01.188	10690	104			16266.	L3SM	UMTS FDD	Uplink	15:50:02.711	DCCH	RELEASE
				4792.		15:52:01.188	10690	104	-3.4		16267.	RRCSM	UMTS FDD	Uplink	15:50:02.871	DCCH	MEASUREMENT_REPORT
				4793.	-92	15:52:01.826	10690	104			16268.	RRCSM	UMTS FDD	Downlink	15:50:03.150	DCCH	RADIO_BEARER_RELEASE
				4794.		15:52:01.826	10690	104	-4.8		16269.	RRCSM	UMTS FDD	Uplink	15:50:03.171	DCCH	MEASUREMENT_REPORT
				4795.	-92	15:52:02.308	10690	104			16270.	RRCSM	UMTS FDD	Downlink	15:50:03.190	DCCH	DOWNLINK_DIRECT_TRANSFER
				4796.		15:52:02.308	10690	104	-3.9		16271.	L3SM	UMTS FDD	Downlink	15:50:03.190	DCCH	RELEASE_COMPLETE
				4797.	-92	15:52:02.888	10690	104			16272.	RRCSM	UMTS FDD	Uplink	15:50:03.672	DCCH	MEASUREMENT_REPORT
				4798.		15:52:02.888	10690	104	-3.9		16273.	RRCSM	UMTS FDD	Uplink	15:50:03.871	DCCH	MEASUREMENT_REPORT
				4799.	-92	15:52:03.299	10690	104			16274.	RRCSM	UMTS FDD	Uplink	15:50:03.903	DCCH	RADIO_BEARER_RELEASE_COMPLETE
				4800.		15:52:03.299	10690	104	-6		16275.	RRCSM	UMTS FDD	Downlink	15:50:04.070	DCCH	RRC_CONNECTION_RELEASE

Analysis:

- This call drop event occurred on long call at 15:50:02:711 time when UE was latched with 3G network.
- After getting Alerting message at 15:49:11:310 time than Call drop happened.
- During the session UE was latched with PSC 104 and RF condition RSCP -120 dBm and Ec/No -18.4 dB both are poor.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-2 Call Drop & Call Attempt Failure Airtel , CWS Summary

Call Attempt Failure cause from Airtel	Count
Total Call Attempt Failure	9
Poor Coverage	8
Network End	1

Call Attempt Failure cause from CWS	Count
Total Call Attempt Failure	5
Poor Quality	1
Network End	3
Poor Coverage	1

Call Drop cause from Airtel	Count
Total Call Drop	3
Poor Coverage	3

Call Drop cause from CWS	Count
Total Call Drop	3
Poor Coverage	3

Phase-2 Call Attempt Failure Analysis 1 From MS5 Airtel MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best act		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	10:33:39.078	UMTS FDD	2100	Nor	1054.	10:33:27.784	10562	296	-18.6	1954.	RRCSM	UMTS FDD	Downlink	10:33:29.919	DCCH	MEASUREMENT_CONTROL
2.	10:40:41.489	UMTS FDD	2100	Nor	1055.	10:33:28.142	10562	296		1955.	RRCSM	UMTS FDD	Uplink	10:33:30.311	DCCH	MEASUREMENT_REPORT
3.	10:41:38.107	UMTS FDD	2100	Nor	1056.	10:33:28.142	10562	296	-18.3	1956.	RRCSM	UMTS FDD	Downlink	10:33:31.159	DCCH	SECURITY_MODE_COMMAND
4.	10:43:20.650	UMTS FDD	2100	Nor	1057.	10:33:28.840	10562	296		1957.	RRCSM	UMTS FDD	Uplink	10:33:31.159	DCCH	SECURITY_MODE_COMPLETE
5.	10:44:55.761	UMTS FDD	2100	Nor	1058.	10:33:28.840	10562	296	-14.9	1958.	RRCSM	UMTS FDD	Downlink	10:33:31.599	DCCH	DOWNLINK_DIRECT_TRANSFER
6.	11:14:41.469	UMTS FDD	2100	Nor	1059.	10:33:29.190	10562	296		1959.	L3SM	UMTS FDD	Downlink	10:33:31.599	DCCH	ROUTING_AREA_UPDATE_ACCEPT
7.	11:15:41.886	UMTS FDD	2100	Tim	1060.	10:33:29.190	10562	296	-20.5	1960.	RRCSM	UMTS FDD	Uplink	10:33:31.602	DCCH	UPLINK_DIRECT_TRANSFER
8.	11:22:47.630	UMTS FDD	2100	Tim	1061.	10:33:29.830	10562	296		1961.	L3SM	UMTS FDD	Uplink	10:33:31.602	DCCH	ROUTING_AREA_UPDATE_COMPLETE
9.	11:28:54.174	UMTS FDD	900	Dro	1062.	10:33:29.830	10562	296	-19.6	1962.	RRCSM	UMTS FDD	Uplink	10:33:31.604	DCCH	UPLINK_DIRECT_TRANSFER
					1063.	10:33:30.157	10562	296		1963.	L3SM	UMTS FDD	Uplink	10:33:31.604	DCCH	SERVICE_REQUEST
					1064.	10:33:30.157	10562	296	-17.6	1964.	RRCSM	UMTS FDD	Downlink	10:33:31.879	DCCH	DOWNLINK_DIRECT_TRANSFER
					1065.	10:33:30.851	10562	296		1965.	L3SM	UMTS FDD	Downlink	10:33:31.879	DCCH	GMM_INFO
					1066.	10:33:30.851	10562	296	-16.9	1966.	RRCSM	UMTS FDD	Downlink	10:33:31.959	DCCH	DOWNLINK_DIRECT_TRANSFER
					1067.	10:33:31.160	10562	296		1967.	L3SM	UMTS FDD	Downlink	10:33:31.959	DCCH	SERVICE_ACCEPT
					1068.	10:33:31.160	10562	296	-20.2	1968.	RRCSM	UMTS FDD	Downlink	10:33:32.199	DCCH	RADIO_BEARER_SETUP
					1069.	10:33:31.850	10562	296		1969.	RRCSM	UMTS FDD	Uplink	10:33:32.562	DCCH	RADIO_BEARER_SETUP_COMPLETE
					1070.	10:33:31.850	10562	296	-16.2	1970.	RRCSM	UMTS FDD	Downlink	10:33:32.839	DCCH	DOWNLINK_DIRECT_TRANSFER
					1071.	10:33:32.562	10562	296		1971.	L3SM	UMTS FDD	Downlink	10:33:32.839	DCCH	MODIFY_PDP_CONTEXT_REQUEST
					1072.	10:33:32.562	10562	296	-17.4	1972.	RRCSM	UMTS FDD	Uplink	10:33:32.840	DCCH	UPLINK_DIRECT_TRANSFER
					1073.	10:33:33.058	10562	296		1973.	L3SM	UMTS FDD	Uplink	10:33:32.840	DCCH	MODIFY_PDP_CONTEXT_ACCEPT
					1074.	10:33:33.058	10562	296	-21.7	1974.	RRCSM	UMTS FDD	Downlink	10:33:34.478	DCCH	DOWNLINK_DIRECT_TRANSFER
					1075.	10:33:33.429	10562	296		1975.	L3SM	UMTS FDD	Downlink	10:33:34.478	DCCH	PROGRESS
					1076.	10:33:33.429	10562	296	-15.3	1976.	RRCSM	UMTS FDD	Uplink	10:33:36.661	DCCH	MEASUREMENT_REPORT
					1077.	10:33:33.920	10562	296		1977.	RRCSM	UMTS FDD	Uplink	10:33:38.681	DCCH	MEASUREMENT_REPORT
					1078.	10:33:33.920	10562	296	-14.3	1978.	RRCSM	UMTS FDD	Uplink	10:33:38.900	DCCH	UPLINK_DIRECT_TRANSFER
					1079.	10:33:34.490	10562	296		1979.	L3SM	UMTS FDD	Uplink	10:33:38.900	DCCH	DISCONNECT
					1080.	10:33:34.490	10562	296	-18.8	1980.	RRCSM	UMTS FDD	Downlink	10:33:39.078	DCCH	DOWNLINK_DIRECT_TRANSFER
					1081.	10:33:34.969	10562	296		1981.	L3SM	UMTS FDD	Downlink	10:33:39.078	DCCH	RELEASE
					1082.	10:33:34.969	10562	296	-16.9	1982.	RRCSM	UMTS FDD	Uplink	10:33:39.079	DCCH	UPLINK_DIRECT_TRANSFER
					1083.	10:33:35.489	10562	296		1983.	L3SM	UMTS FDD	Uplink	10:33:39.079	DCCH	RELEASE_COMPLETE
					1084.	10:33:35.489	10562	296	-19.4	1984.	RRCSM	UMTS FDD	Downlink	10:33:39.479	DCCH	RADIO_BEARER_RELEASE
					1085.	10:33:36.009	10562	296		1985.	RRCSM	UMTS FDD	Uplink	10:33:39.871	DCCH	RADIO_BEARER_RELEASE_COMPLETE
					1086.	10:33:36.009	10562	296	-15.6	1986.	RRCSM	UMTS FDD	Uplink	10:33:39.872	DCCH	INITIAL_DIRECT_TRANSFER
					1087.	10:33:36.560	10562	296		1987.	L3SM	UMTS FDD	Uplink	10:33:39.872	DCCH	LOCATION_UPDATING_REQUEST
					1088.	10:33:36.560	10562	296	-19.5	1988.	RRCSM	UMTS FDD	Downlink	10:33:40.278	DCCH	DOWNLINK_DIRECT_TRANSFER
					1089.	10:33:36.980	10562	296		1989.	L3SM	UMTS FDD	Downlink	10:33:40.278	DCCH	AUTHENTICATION_REQUEST

Analysis:

- This call failure event occurred on short call at 10:33:39:078 time when UE was latched with 3G network.
- During the call failure UE send "CM Service Request" and "Setup" message to core network. Then call setup has been failed.
- During the setup fail, UE was latched with PSC 296 and RF condition RSCP -121.1 dBm and Ec/No -17.4 dB both are poor.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

Phase-2 Call Attempt Failure Analysis 2 From MS5 Airtel MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best act		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	10:33:39.078	UMTS FDD	2100	Nor	2593. -127	10:40:36.571	10588	296		4813.	RRCSM	UMTS FDD	Downlink	10:40:26.609	DCCH	MEASUREMENT_CONTROL
2.	10:40:41.489	UMTS FDD	2100	Nor	2594. -125.2	10:40:36.571	10588	296	-23.2	4814.	RRCSM	UMTS FDD	Downlink	10:40:29.448	DCCH	RADIO_BEARER_RELEASE
3.	10:41:38.107	UMTS FDD	2100	Nor	2595. -124.8	10:40:36.857	10588	296		4815.	RRCSM	UMTS FDD	Uplink	10:40:29.852	DCCH	RADIO_BEARER_RELEASE_COMPLETE
4.	10:43:20.650	UMTS FDD	2100	Nor	2596. -124.8	10:40:36.857	10588	296	-22.3	4816.	RRCSM	UMTS FDD	Downlink	10:40:29.959	DCCH	MEASUREMENT_CONTROL
5.	10:44:55.761	UMTS FDD	2100	Nor	2597. -125.2	10:40:37.781	10588	296		4817.	RRCSM	UMTS FDD	Downlink	10:40:29.969	DCCH	MEASUREMENT_CONTROL
6.	11:14:41.469	UMTS FDD	2100	Nor	2598. -125.2	10:40:37.781	10588	296	-20.1	4818.	RRCSM	UMTS FDD	Downlink	10:40:29.969	DCCH	MEASUREMENT_CONTROL
7.	11:15:41.886	UMTS FDD	2100	Tim	2599. -125.4	10:40:38.051	10588	296		4819.	RRCSM	UMTS FDD	Downlink	10:40:29.999	DCCH	RADIO_BEARER_RECONFIGURATION
8.	11:22:47.630	UMTS FDD	2100	Tim	2600. -124.2	10:40:38.051	10588	296	-20.5	4820.	RRCSM	UMTS FDD	Uplink	10:40:30.021	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
9.	11:28:54.174	UMTS FDD	900	Dro	2601. -124.2	10:40:38.054	10588	296		4821.	RRCSM	UMTS FDD	Downlink	10:40:30.369	DCCH	RADIO_BEARER_SETUP
					2602. -123.2	10:40:38.854	10588	296	-21.6	4822.	RRCSM	UMTS FDD	Uplink	10:40:30.621	DCCH	MEASUREMENT_REPORT
					2603. -125.6	10:40:39.220	10588	296		4823.	RRCSM	UMTS FDD	Uplink	10:40:30.621	DCCH	MEASUREMENT_REPORT
					2604. -126.8	10:40:39.220	10588	296	-20.5	4824.	RRCSM	UMTS FDD	Uplink	10:40:30.722	DCCH	RADIO_BEARER_SETUP_COMPLETE
					2605. -128.2	10:40:39.780	10588	296		4825.	RRCSM	UMTS FDD	Downlink	10:40:31.009	DCCH	RADIO_BEARER_RECONFIGURATION
					2606. -123.9	10:40:39.780	10588	296	-20.4	4826.	RRCSM	UMTS FDD	Downlink	10:40:31.049	DCCH	DOWNLINK_DIRECT_TRANSFER
					2607. -126.8	10:40:40.258	10588	296		4827.	L3SM	UMTS FDD	Downlink	10:40:31.049	DCCH	PROGRESS
					2608. -128.2	10:40:40.258	10588	296	-22	4828.	RRCSM	UMTS FDD	Uplink	10:40:31.051	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					2609. -123.9	10:40:40.854	10588	296		4829.	RRCSM	UMTS FDD	Uplink	10:40:31.435	DCCH	INITIAL_DIRECT_TRANSFER
					2610. -125.8	10:40:40.854	10588	296	-23.1	4830.	L3SM	UMTS FDD	Uplink	10:40:31.435	DCCH	SERVICE_REQUEST
					2611. -124.7	10:40:41.279	10588	296		4831.	RRCSM	UMTS FDD	Downlink	10:40:31.529	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					2612. -125.8	10:40:41.279	10588	296	-23.6	4832.	RRCSM	UMTS FDD	Uplink	10:40:31.571	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					2613. -120.1	10:40:41.856	10588	296		4833.	RRCSM	UMTS FDD	Downlink	10:40:32.609	DCCH	MEASUREMENT_CONTROL
					2614. -120.8	10:40:41.856	10588	296	-20.3	4834.	RRCSM	UMTS FDD	Downlink	10:40:35.329	DCCH	SECURITY_MODE_COMMAND
					2615. -120.1	10:40:42.331	10588	296		4835.	RRCSM	UMTS FDD	Uplink	10:40:35.330	DCCH	SECURITY_MODE_COMPLETE
					2616. -120.1	10:40:42.331	10588	296	-19.4	4836.	RRCSM	UMTS FDD	Downlink	10:40:36.289	DCCH	RADIO_BEARER_SETUP
					2617. -120.1	10:40:42.881	10588	296		4837.	RRCSM	UMTS FDD	Uplink	10:40:38.772	DCCH	RADIO_BEARER_SETUP_COMPLETE
					2618. -120.1	10:40:42.881	10588	296	-20	4838.	RRCSM	UMTS FDD	Downlink	10:40:39.129	DCCH	DOWNLINK_DIRECT_TRANSFER
					2619. -120.1	10:40:43.201	10588	296		4839.	L3SM	UMTS FDD	Downlink	10:40:39.129	DCCH	PROGRESS
					2620. -120.1	10:40:43.201	10588	296	-22	4840.	RRCSM	UMTS FDD	Uplink	10:40:40.893	DCCH	UPLINK_DIRECT_TRANSFER
					2621. -120.1	10:40:43.881	10588	296		4841.	L3SM	UMTS FDD	Uplink	10:40:40.893	DCCH	DISCONNECT
					2622. -120.1	10:40:43.881	10588	296	-25.2	4842.	RRCSM	UMTS FDD	Downlink	10:40:41.489	DCCH	DOWNLINK_DIRECT_TRANSFER
					2623. -120.1	10:40:44.382	10588	296		4843.	L3SM	UMTS FDD	Downlink	10:40:41.489	DCCH	RELEASE
					2624. -120.1	10:40:44.858	10562	296		4844.	RRCSM	UMTS FDD	Uplink	10:40:41.490	DCCH	UPLINK_DIRECT_TRANSFER
					2625. -120.1	10:40:44.858	10562	296	-18	4845.	L3SM	UMTS FDD	Uplink	10:40:41.490	DCCH	RELEASE_COMPLETE
					2626. -120.1	10:41:20.048	10588	296		4846.	RRCSM	UMTS FDD	Downlink	10:40:42.489	DCCH	RADIO_BEARER_RELEASE
					2627. -120.1	10:41:20.048	10588	296	-17.2	4847.	RRCSM	UMTS FDD	Uplink	10:40:42.881	DCCH	RADIO_BEARER_RELEASE_COMPLETE
					2628. -120.1	10:41:20.916	10588	296		4848.	RRCSM	UMTS FDD	Downlink	10:40:44.089	DCCH	RRC_CONNECTION_RELEASE

Analysis:

- This call failure event occurred on short call at 10:40:41:489 time when UE was latched with 3G network.
- During the call failure UE send "CM Service Request " and "Setup" message to core network. Then call setup has been failed.
- During the setup fail, UE was latched with PSC 296 and RF condition RSCP -128.2 dBm and Ec/No -23.6 dB both are poor.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

Phase-2 Call Attempt Failure Analysis 3 From MS5 Airtel MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best act		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	10:33:39.078	UMTS FDD	2100	Nor	2667.	10:41:30.969	10588	296	-16.6	5022.	RRCSM	UMTS FDD	Uplink	10:41:21.778	DCCH	UPLINK_DIRECT_TRANSFER
2.	10:40:41.489	UMTS FDD	2100	Nor	2668.	10:41:31.989	10588	296		5023.	L3SM	UMTS FDD	Uplink	10:41:21.778	DCCH	SETUP
3.	10:41:38.107	UMTS FDD	2100	No	2669.	10:41:31.989	10588	296	-16.8	5024.	RRCSM	UMTS FDD	Downlink	10:41:21.807	DCCH	DOWNLINK_DIRECT_TRANSFER
4.	10:43:20.650	UMTS FDD	2100	Nor	2670.	10:41:32.477	10588	296		5025.	L3SM	UMTS FDD	Downlink	10:41:21.807	DCCH	IDENTITY_REQUEST
5.	10:44:55.761	UMTS FDD	2100	Nor	2671.	10:41:32.477	10588	296	-15.8	5026.	RRCSM	UMTS FDD	Uplink	10:41:21.807	DCCH	UPLINK_DIRECT_TRANSFER
6.	11:14:41.469	UMTS FDD	2100	Nor	2672.	10:41:32.988	10588	296		5027.	L3SM	UMTS FDD	Uplink	10:41:21.807	DCCH	IDENTITY_RESPONSE
7.	11:15:41.886	UMTS FDD	2100	Tim	2673.	10:41:32.988	10588	296	-13.8	5028.	RRCSM	UMTS FDD	Downlink	10:41:21.907	DCCH	DOWNLINK_DIRECT_TRANSFER
8.	11:22:47.630	UMTS FDD	2100	Tim	2674.	10:41:33.489	10588	296		5029.	L3SM	UMTS FDD	Downlink	10:41:21.907	DCCH	CALL_PROCEEDING
9.	11:28:54.174	UMTS FDD	900	Dro	2675.	10:41:33.489	10588	296	-14.3	5030.	RRCSM	UMTS FDD	Uplink	10:41:22.080	DCCH	MEASUREMENT_REPORT
					2676.	10:41:33.994	10588	296		5031.	RRCSM	UMTS FDD	Uplink	10:41:22.900	DCCH	MEASUREMENT_REPORT
					2677.	10:41:33.994	10588	296	-11.9	5032.	RRCSM	UMTS FDD	Uplink	10:41:24.298	DCCH	MEASUREMENT_REPORT
					2678.	10:41:34.529	10588	296		5033.	RRCSM	UMTS FDD	Downlink	10:41:27.127	DCCH	RADIO_BEARER_SETUP
					2679.	10:41:34.529	10588	296	-17.6	5034.	RRCSM	UMTS FDD	Uplink	10:41:27.460	DCCH	RADIO_BEARER_SETUP_COMPLETE
					2680.	10:41:34.988	10588	296		5035.	RRCSM	UMTS FDD	Downlink	10:41:27.747	DCCH	RADIO_BEARER_RECONFIGURATION
					2681.	10:41:34.988	10588	296	-16.8	5036.	RRCSM	UMTS FDD	Downlink	10:41:27.787	DCCH	DOWNLINK_DIRECT_TRANSFER
					2682.	10:41:35.538	10588	296		5037.	L3SM	UMTS FDD	Downlink	10:41:27.787	DCCH	PROGRESS
					2683.	10:41:35.538	10588	296	-14.5	5038.	RRCSM	UMTS FDD	Uplink	10:41:27.789	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					2684.	10:41:36.043	10588	296		5039.	RRCSM	UMTS FDD	Downlink	10:41:28.067	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					2685.	10:41:36.043	10588	296	-15.3	5040.	RRCSM	UMTS FDD	Uplink	10:41:28.109	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					2686.	10:41:36.770	10588	296		5041.	RRCSM	UMTS FDD	Downlink	10:41:28.907	DCCH	MEASUREMENT_CONTROL
					2687.	10:41:36.770	10588	296	-14.8	5042.	RRCSM	UMTS FDD	Uplink	10:41:29.810	DCCH	MEASUREMENT_REPORT
					2688.	10:41:37.157	10588	296		5043.	RRCSM	UMTS FDD	Downlink	10:41:30.067	DCCH	SECURITY_MODE_COMMAND
					2689.	10:41:37.157	10588	296	-14	5044.	RRCSM	UMTS FDD	Uplink	10:41:30.067	DCCH	SECURITY_MODE_COMPLETE
					2690.	10:41:37.697	10588	296		5045.	RRCSM	UMTS FDD	Downlink	10:41:30.587	DCCH	RADIO_BEARER_SETUP
					2691.	10:41:37.697	10588	296	-18	5046.	RRCSM	UMTS FDD	Uplink	10:41:30.990	DCCH	RADIO_BEARER_SETUP_COMPLETE
					2692.	10:41:38.137	10588	296		5047.	RRCSM	UMTS FDD	Uplink	10:41:32.116	DCCH	MEASUREMENT_REPORT
					2693.	10:41:38.137	10588	296	-13.9	5048.	RRCSM	UMTS FDD	Uplink	10:41:32.458	DCCH	MEASUREMENT_REPORT
					2694.	10:41:38.898	10588	296		5049.	RRCSM	UMTS FDD	Uplink	10:41:34.355	DCCH	MEASUREMENT_REPORT
					2695.	10:41:38.898	10588	296	-13.4	5050.	RRCSM	UMTS FDD	Uplink	10:41:35.148	DCCH	MEASUREMENT_REPORT
					2696.	10:41:39.385	10588	296		5051.	RRCSM	UMTS FDD	Downlink	10:41:36.587	DCCH	DOWNLINK_DIRECT_TRANSFER
					2697.	10:41:39.385	10588	296	-11.1	5052.	L3SM	UMTS FDD	Downlink	10:41:36.587	DCCH	PROGRESS
					2698.	10:41:39.853	10588	296		5053.	RRCSM	UMTS FDD	Uplink	10:41:37.910	DCCH	UPLINK_DIRECT_TRANSFER
					2699.	10:41:39.853	10588	296	-16.2	5054.	L3SM	UMTS FDD	Uplink	10:41:37.910	DCCH	DISCONNECT
					2700.	10:41:40.144	10588	296		5055.	RRCSM	UMTS FDD	Downlink	10:41:38.107	DCCH	DOWNLINK_DIRECT_TRANSFER
					2701.	10:41:40.144	10588	296	-13.2	5056.	L3SM	UMTS FDD	Downlink	10:41:38.107	DCCH	RELEASE
					2702.	10:41:40.854	10588	296		5057.	RRCSM	UMTS FDD	Uplink	10:41:38.107	DCCH	UPLINK_DIRECT_TRANSFER

Analysis:

- This call failure event occurred on short call at 10:41:38:107 time when UE was latched with 3G network.
- During the call failure UE send "CM Service Request " and "Setup" message to core network. Then call setup has been failed.
- During the setup fail, UE was latched with PSC 296 and RF condition RSCP -116.9 dBm and Ec/No -18 dB both are poor.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

Phase-2 Call Attempt Failure Analysis 4 From MS5 Airtel MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best act ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	10:33:39.078	UMTS FDD	2100	Nor	3046.		10:43:14.841	10588	296	-17.2	5566.	RRCSM	UMTS FDD	Uplink	10:43:08.192	DCCH	MEASUREMENT_REPORT
2.	10:40:41.489	UMTS FDD	2100	Nor	3047.	-120.5	10:43:15.429	10588	296		5567.	RRCSM	UMTS FDD	Uplink	10:43:08.201	DCCH	MEASUREMENT_REPORT
3.	10:41:38.107	UMTS FDD	2100	Nor	3048.		10:43:15.429	10588	296	-18.4	5568.	RRCSM	UMTS FDD	Uplink	10:43:08.498	DCCH	RADIO_BEARER_SETUP_COMPLETE
4.	10:43:20.650	UMTS FDD	2100	No	3049.	-117	10:43:15.932	10588	296		5569.	RRCSM	UMTS FDD	Downlink	10:43:08.730	DCCH	MEASUREMENT_CONTROL
5.	10:44:55.761	UMTS FDD	2100	Nor	3050.		10:43:15.932	10588	296	-14.1	5570.	RRCSM	UMTS FDD	Downlink	10:43:08.769	DCCH	MEASUREMENT_CONTROL
6.	11:14:41.469	UMTS FDD	2100	Nor	3051.	-115.7	10:43:16.199	10588	296		5571.	RRCSM	UMTS FDD	Downlink	10:43:08.890	DCCH	RADIO_BEARER_RECONFIGURATION
7.	11:15:41.886	UMTS FDD	2100	Tim	3052.		10:43:16.199	10588	296	-13.6	5572.	RRCSM	UMTS FDD	Uplink	10:43:08.932	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
8.	11:22:47.630	UMTS FDD	2100	Tim	3053.	-124.7	10:43:16.881	10588	296		5573.	RRCSM	UMTS FDD	Downlink	10:43:09.730	DCCH	RADIO_BEARER_SETUP
9.	11:28:54.174	UMTS FDD	900	Dro	3054.		10:43:16.881	10588	296	-21	5574.	RRCSM	UMTS FDD	Uplink	10:43:10.012	DCCH	MEASUREMENT_REPORT
					3055.	-123.2	10:43:17.393	10588	296		5575.	RRCSM	UMTS FDD	Uplink	10:43:10.085	DCCH	MEASUREMENT_REPORT
					3056.		10:43:17.393	10588	296	-19.4	5576.	RRCSM	UMTS FDD	Uplink	10:43:10.133	DCCH	RADIO_BEARER_SETUP_COMPLETE
					3057.	-126.7	10:43:17.921	10588	296		5577.	RRCSM	UMTS FDD	Downlink	10:43:10.370	DCCH	MEASUREMENT_CONTROL
					3058.		10:43:17.921	10588	296	-22	5578.	RRCSM	UMTS FDD	Downlink	10:43:10.410	DCCH	MEASUREMENT_CONTROL
					3059.	-123	10:43:18.431	10588	296		5579.	RRCSM	UMTS FDD	Downlink	10:43:10.570	DCCH	RADIO_BEARER_RECONFIGURATION
					3060.		10:43:18.431	10588	296	-19.4	5580.	RRCSM	UMTS FDD	Uplink	10:43:10.612	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					3061.	-125.1	10:43:18.941	10588	296		5581.	RRCSM	UMTS FDD	Downlink	10:43:10.650	DCCH	DOWNLINK_DIRECT_TRANSFER
					3062.		10:43:18.941	10588	296	-21.4	5582.	L3SM	UMTS FDD	Downlink	10:43:10.650	DCCH	PROGRESS
					3063.	-127.8	10:43:19.451	10588	296		5583.	RRCSM	UMTS FDD	Downlink	10:43:10.890	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					3064.		10:43:19.451	10588	296	-24.1	5584.	RRCSM	UMTS FDD	Uplink	10:43:10.932	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					3065.	-126.3	10:43:19.941	10588	296		5585.	RRCSM	UMTS FDD	Uplink	10:43:11.012	DCCH	MEASUREMENT_REPORT
					3066.		10:43:19.941	10588	296	-22.6	5586.	RRCSM	UMTS FDD	Uplink	10:43:11.052	DCCH	MEASUREMENT_REPORT
					3067.	-124.8	10:43:20.561	10588	296		5587.	RRCSM	UMTS FDD	Downlink	10:43:11.770	DCCH	MEASUREMENT_CONTROL
					3068.		10:43:20.561	10588	296	-21.2	5588.	RRCSM	UMTS FDD	Uplink	10:43:13.679	DCCH	MEASUREMENT_REPORT
					3069.	-127.7	10:43:20.950	10588	296		5589.	RRCSM	UMTS FDD	Downlink	10:43:16.610	DCCH	DOWNLINK_DIRECT_TRANSFER
					3070.		10:43:20.950	10588	296	-24.8	5590.	L3SM	UMTS FDD	Downlink	10:43:16.610	DCCH	PROGRESS
					3071.	-126.3	10:43:21.514	10588	296		5591.	RRCSM	UMTS FDD	Uplink	10:43:16.692	DCCH	MEASUREMENT_REPORT
					3072.		10:43:21.514	10588	296	-22.5	5592.	RRCSM	UMTS FDD	Uplink	10:43:18.111	DCCH	MEASUREMENT_REPORT
					3073.	-125.5	10:43:21.950	10588	296		5593.	RRCSM	UMTS FDD	Uplink	10:43:20.458	DCCH	UPLINK_DIRECT_TRANSFER
					3074.		10:43:21.950	10588	296	-22.7	5594.	L3SM	UMTS FDD	Uplink	10:43:20.458	DCCH	DISCONNECT
					3075.	-125.6	10:43:22.548	10588	296		5595.	RRCSM	UMTS FDD	Downlink	10:43:20.650	DCCH	DOWNLINK_DIRECT_TRANSFER
					3076.		10:43:22.548	10588	296	-22	5596.	L3SM	UMTS FDD	Downlink	10:43:20.650	DCCH	RELEASE
					3077.	-127.5	10:43:23.002	10588	296		5597.	RRCSM	UMTS FDD	Uplink	10:43:20.651	DCCH	UPLINK_DIRECT_TRANSFER
					3078.		10:43:23.002	10588	296	-22.8	5598.	L3SM	UMTS FDD	Uplink	10:43:20.651	DCCH	RELEASE_COMPLETE
					3079.	-126.3	10:43:23.855	10588	296		5599.	RRCSM	UMTS FDD	Downlink	10:43:21.050	DCCH	RADIO_BEARER_RELEASE
					3080.		10:43:23.855	10588	296	-21.7	5600.	RRCSM	UMTS FDD	Uplink	10:43:21.442	DCCH	RADIO_BEARER_RELEASE_COMPLETE
					3081.	-125.8	10:43:24.839	10588	296		5601.	RRCSM	UMTS FDD	Downlink	10:43:21.689	DCCH	RADIO_BEARER_RECONFIGURATION

Analysis:

- This call failure event occurred on short call at 10:43:20:650 time when UE was latched with 3G network.
- During the call failure UE send "CM Service Request " and "Setup" message to core network. Then call setup has been failed.
- During the setup fail, UE was latched with PSC 296 and RF condition RSCP -124.8 dBm and Ec/No -21.2 dB both are poor.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

Phase-2 Call Attempt Failure Analysis 5 From MS5 Airtel MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best act ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	10:33:39.078	UMTS FDD	2100	Nor	3333. -122.9	10:44:48.923	10562	296			6111.	RRCSM	UMTS FDD	Downlink	10:44:39.121	DCCH	DOWNLINK_DIRECT_TRANSFER
2.	10:40:41.489	UMTS FDD	2100	Nor	3334. -122.9	10:44:48.923	10562	296	-20.7		6112.	L3SM	UMTS FDD	Downlink	10:44:39.121	DCCH	CALL_PROCEEDING
3.	10:41:38.107	UMTS FDD	2100	Nor	3335. -123.7	10:44:49.151	10562	296			6113.	RRCSM	UMTS FDD	Downlink	10:44:40.161	DCCH	MEASUREMENT_CONTROL
4.	10:43:20.650	UMTS FDD	2100	Nor	3336. -123.7	10:44:49.151	10562	296	-19.9		6114.	RRCSM	UMTS FDD	Uplink	10:44:42.012	DCCH	MEASUREMENT_REPORT
5.	10:44:55.761	UMTS FDD	2100	No	3337. -124.3	10:44:49.784	10562	296			6115.	RRCSM	UMTS FDD	Downlink	10:44:43.841	DCCH	RADIO_BEARER_RELEASE
6.	11:14:41.469	UMTS FDD	2100	Nor	3338. -124.3	10:44:49.784	10562	296	-22		6116.	RRCSM	UMTS FDD	Uplink	10:44:44.245	DCCH	RADIO_BEARER_RELEASE_COMPLETE
7.	11:15:41.886	UMTS FDD	2100	Tim	3339. -123.9	10:44:50.392	10562	296			6117.	RRCSM	UMTS FDD	Downlink	10:44:44.351	DCCH	MEASUREMENT_CONTROL
8.	11:22:47.630	UMTS FDD	2100	Tim	3340. -123.9	10:44:50.392	10562	296	-18.3		6118.	RRCSM	UMTS FDD	Downlink	10:44:44.361	DCCH	MEASUREMENT_CONTROL
9.	11:28:54.174	UMTS FDD	900	Dro	3341. -130.6	10:44:50.923	10562	296			6119.	RRCSM	UMTS FDD	Downlink	10:44:44.381	DCCH	RADIO_BEARER_RECONFIGURATION
					3342. -119.2	10:44:51.424	10562	296			6120.	RRCSM	UMTS FDD	Uplink	10:44:44.404	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					3343. -16.3	10:44:51.424	10562	296	-16.3		6121.	RRCSM	UMTS FDD	Downlink	10:44:44.611	DCCH	RADIO_BEARER_SETUP
					3344. -125.1	10:44:51.876	10562	296			6122.	RRCSM	UMTS FDD	Uplink	10:44:44.955	DCCH	RADIO_BEARER_SETUP_COMPLETE
					3345. -24.1	10:44:51.876	10562	296	-24.1		6123.	RRCSM	UMTS FDD	Uplink	10:44:45.047	DCCH	MEASUREMENT_REPORT
					3346. -121.9	10:44:52.391	10562	296			6124.	RRCSM	UMTS FDD	Downlink	10:44:45.242	DCCH	RADIO_BEARER_RECONFIGURATION
					3347. -19.7	10:44:52.391	10562	296	-19.7		6125.	RRCSM	UMTS FDD	Uplink	10:44:45.283	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					3348. -125.9	10:44:53.034	10562	296			6126.	RRCSM	UMTS FDD	Downlink	10:44:45.322	DCCH	DOWNLINK_DIRECT_TRANSFER
					3349. -21.3	10:44:53.034	10562	296	-21.3		6127.	L3SM	UMTS FDD	Downlink	10:44:45.322	DCCH	PROGRESS
					3350. -125.4	10:44:53.924	10562	296			6128.	RRCSM	UMTS FDD	Downlink	10:44:45.562	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					3351. -23.2	10:44:53.924	10562	296	-23.2		6129.	RRCSM	UMTS FDD	Uplink	10:44:45.603	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					3352. -131	10:44:54.420	10562	296			6130.	RRCSM	UMTS FDD	Uplink	10:44:45.629	DCCH	INITIAL_DIRECT_TRANSFER
					3353. -126	10:44:55.024	10562	296			6131.	L3SM	UMTS FDD	Uplink	10:44:45.629	DCCH	SERVICE_REQUEST
					3354. -23.7	10:44:55.024	10562	296	-23.7		6132.	RRCSM	UMTS FDD	Downlink	10:44:46.362	DCCH	MEASUREMENT_CONTROL
					3355. -126.1	10:44:55.584	10562	296			6133.	RRCSM	UMTS FDD	Downlink	10:44:47.601	DCCH	DOWNLINK_DIRECT_TRANSFER
					3356. -24	10:44:55.584	10562	296	-24		6134.	L3SM	UMTS FDD	Downlink	10:44:47.601	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
					3357. -124.5	10:44:56.084	10562	296			6135.	RRCSM	UMTS FDD	Uplink	10:44:47.734	DCCH	UPLINK_DIRECT_TRANSFER
					3358. -23.7	10:44:56.084	10562	296	-23.7		6136.	L3SM	UMTS FDD	Uplink	10:44:47.734	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
					3359. -127	10:44:56.554	10562	296			6137.	RRCSM	UMTS FDD	Downlink	10:44:48.041	DCCH	SECURITY_MODE_COMMAND
					3360. -21.2	10:44:56.554	10562	296	-21.2		6138.	RRCSM	UMTS FDD	Uplink	10:44:48.042	DCCH	SECURITY_MODE_COMPLETE
					3361. -122.3	10:44:56.914	10562	296			6139.	RRCSM	UMTS FDD	Uplink	10:44:48.384	DCCH	MEASUREMENT_REPORT
					3362. -19.4	10:44:56.914	10562	296	-19.4		6140.	RRCSM	UMTS FDD	Downlink	10:44:48.561	DCCH	RADIO_BEARER_SETUP
					3363. -124.6	10:44:57.547	10562	296			6141.	RRCSM	UMTS FDD	Uplink	10:44:48.924	DCCH	RADIO_BEARER_SETUP_COMPLETE
					3364. -23.1	10:44:57.547	10562	296	-23.1		6142.	RRCSM	UMTS FDD	Downlink	10:44:53.601	DCCH	DOWNLINK_DIRECT_TRANSFER
					3365. -124.6	10:44:57.930	10562	296			6143.	L3SM	UMTS FDD	Downlink	10:44:53.601	DCCH	PROGRESS
					3366. -23.1	10:44:57.930	10562	296	-23.1		6144.	RRCSM	UMTS FDD	Uplink	10:44:55.571	DCCH	UPLINK_DIRECT_TRANSFER
					3367. -125.7	10:44:58.814	10715	144			6145.	L3SM	UMTS FDD	Uplink	10:44:55.571	DCCH	DISCONNECT
					3368. -24.1	10:44:58.814	10715	144	-24.1		6146.	RRCSM	UMTS FDD	Downlink	10:44:55.761	DCCH	DOWNLINK_DIRECT_TRANSFER

Analysis:

- This call failure event occurred on short call at 10:44:55:761 time when UE was latched with 3G network.
- During the call failure UE send "CM Service Request " and "Setup" message to core network. Then call setup has been failed.
- During the setup fail, UE was latched with PSC 296 and RF condition RSCP -126.1 dBm and Ec/No -24 dB both are poor.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

Phase-2 Call Attempt Failure Analysis 6 From MS5 Airtel MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best act ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	10:33:39.078	UMTS FDD	2100	Nor	8373.	11:14:35.431	10562	148	-18		16187.	RRCSM	UMTS FDD	Downlink	11:14:30.750	DCCH	RADIO_BEARER_RECONFIGURATION
2.	10:40:41.489	UMTS FDD	2100	Nor	8374.	-128.2	11:14:36.100	10562	148		16188.	RRCSM	UMTS FDD	Downlink	11:14:30.789	DCCH	DOWNLINK_DIRECT_TRANSFER
3.	10:41:38.107	UMTS FDD	2100	Nor	8375.		11:14:36.100	10562	148	-22.6	16189.	L3SM	UMTS FDD	Downlink	11:14:30.789	DCCH	PROGRESS
4.	10:43:20.650	UMTS FDD	2100	Nor	8376.	-122.3	11:14:36.560	10562	148		16190.	RRCSM	UMTS FDD	Uplink	11:14:30.791	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
5.	10:44:55.761	UMTS FDD	2100	Nor	8377.		11:14:36.560	10562	148	-18.6	16191.	RRCSM	UMTS FDD	Uplink	11:14:31.214	DCCH	MEASUREMENT_REPORT
6.	11:14:41.469	UMTS FDD	2100	Nor	8378.	-126.1	11:14:37.060	10562	148		16192.	RRCSM	UMTS FDD	Downlink	11:14:31.430	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
7.	11:15:41.886	UMTS FDD	2100	Tim	8379.		11:14:37.060	10562	148	-20.3	16193.	RRCSM	UMTS FDD	Uplink	11:14:31.471	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
8.	11:22:47.630	UMTS FDD	2100	Tim	8380.	-125.7	11:14:37.791	10562	148		16194.	RRCSM	UMTS FDD	Downlink	11:14:31.950	DCCH	MEASUREMENT_CONTROL
9.	11:28:54.174	UMTS FDD	900	Dro	8381.		11:14:37.791	10562	148	-23.4	16195.	RRCSM	UMTS FDD	Downlink	11:14:33.429	DCCH	SECURITY_MODE_COMMAND
					8382.	-124.6	11:14:38.060	10562	148		16196.	RRCSM	UMTS FDD	Uplink	11:14:33.430	DCCH	SECURITY_MODE_COMPLETE
					8383.		11:14:38.060	10562	148	-21.8	16197.	RRCSM	UMTS FDD	Downlink	11:14:33.869	DCCH	DOWNLINK_DIRECT_TRANSFER
					8384.	-127.4	11:14:38.851	10562	148		16198.	L3SM	UMTS FDD	Downlink	11:14:33.869	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					8385.		11:14:38.851	10562	148	-21.7	16199.	RRCSM	UMTS FDD	Uplink	11:14:33.871	DCCH	UPLINK_DIRECT_TRANSFER
					8386.	-129.6	11:14:39.251	10562	148		16200.	L3SM	UMTS FDD	Uplink	11:14:33.871	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					8387.		11:14:39.251	10562	148	-25.9	16201.	RRCSM	UMTS FDD	Uplink	11:14:33.874	DCCH	UPLINK_DIRECT_TRANSFER
					8388.	-126.4	11:14:39.800	10562	148		16202.	L3SM	UMTS FDD	Uplink	11:14:33.874	DCCH	SERVICE_REQUEST
					8389.		11:14:39.800	10562	148	-22.8	16203.	RRCSM	UMTS FDD	Downlink	11:14:34.149	DCCH	DOWNLINK_DIRECT_TRANSFER
					8390.	-122.1	11:14:40.240	10562	148		16204.	L3SM	UMTS FDD	Downlink	11:14:34.149	DCCH	GMM_INFO
					8391.		11:14:40.240	10562	148	-18.4	16205.	RRCSM	UMTS FDD	Downlink	11:14:34.229	DCCH	DOWNLINK_DIRECT_TRANSFER
					8392.	-127.3	11:14:40.840	10562	148		16206.	L3SM	UMTS FDD	Downlink	11:14:34.229	DCCH	SERVICE_ACCEPT
					8393.		11:14:40.840	10562	148	-23.5	16207.	RRCSM	UMTS FDD	Downlink	11:14:34.469	DCCH	RADIO_BEARER_SETUP
					8394.	-124	11:14:41.472	10562	148		16208.	RRCSM	UMTS FDD	Uplink	11:14:34.794	DCCH	RADIO_BEARER_SETUP_COMPLETE
					8395.		11:14:41.472	10562	148	-21.2	16209.	RRCSM	UMTS FDD	Downlink	11:14:35.469	DCCH	DOWNLINK_DIRECT_TRANSFER
					8396.	-123.2	11:14:41.970	10562	148		16210.	L3SM	UMTS FDD	Downlink	11:14:35.469	DCCH	MODIFY_PDP_CONTEXT_REQUEST
					8397.		11:14:41.970	10562	148	-22.4	16211.	RRCSM	UMTS FDD	Uplink	11:14:35.471	DCCH	UPLINK_DIRECT_TRANSFER
					8398.	-123.8	11:14:48.055	10562	148		16212.	L3SM	UMTS FDD	Uplink	11:14:35.471	DCCH	MODIFY_PDP_CONTEXT_ACCEPT
					8399.		11:14:48.055	10562	148	-18	16213.	RRCSM	UMTS FDD	Uplink	11:14:35.671	DCCH	MEASUREMENT_REPORT
					8400.	-119.8	11:14:48.980	10562	148		16214.	RRCSM	UMTS FDD	Downlink	11:14:39.149	DCCH	DOWNLINK_DIRECT_TRANSFER
					8401.		11:14:48.980	10562	148	-17.6	16215.	L3SM	UMTS FDD	Downlink	11:14:39.149	DCCH	PROGRESS
					8402.	-115.7	11:14:49.789	10562	148		16216.	RRCSM	UMTS FDD	Uplink	11:14:40.890	DCCH	UPLINK_DIRECT_TRANSFER
					8403.		11:14:49.789	10562	148	-16.9	16217.	L3SM	UMTS FDD	Uplink	11:14:40.890	DCCH	DISCONNECT
					8404.	-120	11:14:50.244	10562	148		16218.	RRCSM	UMTS FDD	Uplink	11:14:41.191	DCCH	MEASUREMENT_REPORT
					8405.		11:14:50.244	10562	148	-14.3	16219.	RRCSM	UMTS FDD	Downlink	11:14:41.469	DCCH	DOWNLINK_DIRECT_TRANSFER
					8406.	-121.8	11:14:50.857	10562	148		16220.	L3SM	UMTS FDD	Downlink	11:14:41.469	DCCH	RELEASE
					8407.		11:14:50.857	10562	148	-16.1	16221.	RRCSM	UMTS FDD	Uplink	11:14:41.470	DCCH	UPLINK_DIRECT_TRANSFER
					8408.	-117.3	11:14:51.074	10562	148		16222.	L3SM	UMTS FDD	Uplink	11:14:41.470	DCCH	RELEASE_COMPLETE

Analysis:

- This call failure event occurred on short call at 11:14:41:469 time when UE was latched with 3G network.
- During the call failure UE send "CM Service Request " and "Setup" message to core network. Then call setup has been failed.
- During the setup fail, UE was latched with PSC 148 and RF condition RSCP -127.3 dBm and Ec/No -23.5 dB both are poor.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

Phase-2 Call Attempt Failure Analysis 7 From MS5 Airtel MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best act		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	10:33:39.078	UMTS FDD	2100	Nor	8478, -129.6	11:15:19.496	10562	148		16421.	RRCSM	UMTS FDD	Downlink	11:15:10.342	DCCH	RADIO_BEARER_SETUP
2.	10:40:41.489	UMTS FDD	2100	Nor	8479, -129.6	11:15:19.496	10562	148	-25.8	16422.	RRCSM	UMTS FDD	Uplink	11:15:10.413	DCCH	MEASUREMENT_REPORT
3.	10:41:38.107	UMTS FDD	2100	Nor	8480, -130.1	11:15:19.874	10562	148		16423.	RRCSM	UMTS FDD	Uplink	11:15:10.700	DCCH	RADIO_BEARER_SETUP_COMPLETE
4.	10:43:20.650	UMTS FDD	2100	Nor	8481, -129.9	11:15:20.474	10562	148		16424.	RRCSM	UMTS FDD	Uplink	11:15:10.734	DCCH	MEASUREMENT_REPORT
5.	10:44:55.761	UMTS FDD	2100	Nor	8482, -129.9	11:15:20.474	10562	148	-25.2	16425.	RRCSM	UMTS FDD	Uplink	11:15:11.334	DCCH	MEASUREMENT_REPORT
6.	11:14:41.469	UMTS FDD	2100	Nor	8483, -129.9	11:15:21.214	10562	148		16426.	RRCSM	UMTS FDD	Uplink	11:15:11.911	DCCH	INITIAL_DIRECT_TRANSFER
7.	11:15:41.886	UMTS FDD	2100	Tim	8484, -130.3	11:15:21.494	10562	148		16427.	L3SM	UMTS FDD	Uplink	11:15:11.911	DCCH	CM_SERVICE_REQUEST
8.	11:22:47.630	UMTS FDD	2100	Tim	8485, -130.5	11:15:22.216	10562	148		16428.	RRCSM	UMTS FDD	Downlink	11:15:12.091	DCCH	MEASUREMENT_CONTROL
9.	11:28:54.174	UMTS FDD	900	Dro	8486, -130.3	11:15:23.194	10562	148		16429.	RRCSM	UMTS FDD	Downlink	11:15:12.211	DCCH	RADIO_BEARER_RECONFIGURATION
					8487, -131.3	11:15:23.834	10562	148		16430.	RRCSM	UMTS FDD	Uplink	11:15:12.254	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					8488, -129.2	11:15:24.214	10562	148		16431.	RRCSM	UMTS FDD	Downlink	11:15:12.531	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					8489, -129.2	11:15:24.214	10562	148	-25.6	16432.	RRCSM	UMTS FDD	Uplink	11:15:12.574	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					8490, -128.1	11:15:24.894	10562	148		16433.	RRCSM	UMTS FDD	Downlink	11:15:12.691	DCCH	DOWNLINK_DIRECT_TRANSFER
					8491, -128.7	11:15:24.894	10562	148	-24.3	16434.	L3SM	UMTS FDD	Downlink	11:15:12.691	DCCH	AUTHENTICATION_REQUEST
					8492, -128.7	11:15:25.222	10562	148		16435.	RRCSM	UMTS FDD	Uplink	11:15:12.786	DCCH	UPLINK_DIRECT_TRANSFER
					8493, -128.6	11:15:25.222	10562	148	-23.1	16436.	L3SM	UMTS FDD	Uplink	11:15:12.786	DCCH	AUTHENTICATION_RESPONSE
					8494, -128.6	11:15:25.774	10562	148		16437.	RRCSM	UMTS FDD	Downlink	11:15:13.011	DCCH	MEASUREMENT_CONTROL
					8495, -130.2	11:15:25.774	10562	148	-24.8	16438.	RRCSM	UMTS FDD	Uplink	11:15:13.534	DCCH	MEASUREMENT_REPORT
					8496, -130.2	11:15:26.214	10562	148		16439.	RRCSM	UMTS FDD	Uplink	11:15:14.374	DCCH	MEASUREMENT_REPORT
					8497, -130.4	11:15:26.214	10562	148	-24.5	16440.	RRCSM	UMTS FDD	Downlink	11:15:16.131	DCCH	SECURITY_MODE_COMMAND
					8498, -130.4	11:15:26.782	10562	148		16441.	RRCSM	UMTS FDD	Uplink	11:15:16.132	DCCH	SECURITY_MODE_COMPLETE
					8499, -130.4	11:15:26.782	10562	148	-25.8	16442.	L3SM	GSM	Downlink	11:15:30.431	BCCH	SYSTEM_INFORMATION_TYPE_3
					8500, -114.5	11:22:33.786	10588	148		16443.	RRCSM	LTE FDD	Downlink	11:16:30.782	BCCH-BCH	MasterInformationBlock
					8501, -123.5	11:22:33.786	10588	148	-12.9	16444.	RRCSM	LTE FDD	Downlink	11:16:30.816	BCCH-SCH	SystemInformationBlockType1
					8502, -123.5	11:22:34.140	10588	148		16445.	RRCSM	LTE FDD	Downlink	11:16:30.903	BCCH-BCH	MasterInformationBlock
					8503, -121.5	11:22:34.140	10588	148	-22.7	16446.	RRCSM	LTE FDD	Downlink	11:16:30.936	BCCH-SCH	SystemInformationBlockType1
					8504, -120.6	11:22:34.999	10588	148	-18.6	16447.	L3SM	GSM	Downlink	11:16:35.393	BCCH	SYSTEM_INFORMATION_TYPE_3
					8505, -120.6	11:22:35.329	10588	148	-17.8	16448.	L3SM	GSM	Downlink	11:16:35.628	BCCH	SYSTEM_INFORMATION_TYPE_4
					8506, -120.5	11:22:35.329	10588	148	-17.6	16449.	L3SM	GSM	Downlink	11:17:24.353	BCCH	SYSTEM_INFORMATION_TYPE_3
					8507, -120.7	11:22:35.909	10588	148	-17.8	16450.	L3SM	GSM	Downlink	11:17:24.585	BCCH	SYSTEM_INFORMATION_TYPE_4
					8508, -120.7	11:22:36.474	10588	148	-17.8	16451.	L3SM	GSM	Downlink	11:17:24.784	CCCH	PAGING_REQUEST_TYPE_1
					8509, -121.6	11:22:36.474	10588	148	-17.8	16452.	L3SM	GSM	Downlink	11:17:24.821	BCCH	SYSTEM_INFORMATION_TYPE_1
					8510, -121.6	11:22:36.949	10588	148	-17.8	16453.	L3SM	GSM	Downlink	11:17:25.056	BCCH	SYSTEM_INFORMATION_TYPE_2
					8511, -121.6	11:22:36.949	10588	148	-17.8	16454.	L3SM	GSM	Downlink	11:17:25.762	BCCH	SYSTEM_INFORMATION_TYPE_13
					8512, -121.6	11:22:36.949	10588	148	-17.8	16455.	L3SM	GSM	Downlink	11:17:25.998	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
					8513, -121.6	11:22:36.949	10588	148	-17.8	16456.	L3SM	GSM	Downlink	11:17:27.645	BCCH	SYSTEM_INFORMATION_TYPE_13

Analysis:

- This call failure event occurred on short call at 11:15:41:886 time when UE was latched with 3G network.
- During the call failure UE send "CM Service Request " and "Setup" message to core network. Then call setup has been failed.
- During the setup fail, UE was latched with PSC 148 and RF condition RSCP -130.4 dBm and Ec/No -25.8 dB both are poor.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

Phase-2 Call Attempt Failure Analysis 8 From MS5 Airtel MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best act ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	10:33:39.078	UMTS FDD	2100	Nor	8505.	11:22:34.999	10588	148	-18.6		16729.	RRCSM	UMTS FDD	Downlink	11:22:46.398	BCCH	SCHEDULING_BLOCK_1
2.	10:40:41.489	UMTS FDD	2100	Nor	8506.	-120.6	11:22:35.329	10588	148		16730.	RRCSM	UMTS FDD	Downlink	11:22:46.418	BCCH_BCH	SYSTEM_INFORMATION_BCH
3.	10:41:38.107	UMTS FDD	2100	Nor	8507.		11:22:35.329	10588	148	-17.8	16731.	RRCSM	UMTS FDD	Downlink	11:22:46.418	BCCH	MASTER_INFORMATION_BLOCK
4.	10:43:20.650	UMTS FDD	2100	Nor	8508.	-120.5	11:22:35.909	10588	148		16732.	RRCSM	UMTS FDD	Downlink	11:22:46.438	BCCH_BCH	SYSTEM_INFORMATION_BCH
5.	10:44:55.761	UMTS FDD	2100	Nor	8509.		11:22:35.909	10588	148	-17.6	16733.	RRCSM	UMTS FDD	Downlink	11:22:46.438	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
6.	11:14:41.469	UMTS FDD	2100	Nor	8510.	-120.7	11:22:36.474	10588	148		16734.	RRCSM	UMTS FDD	Downlink	11:22:46.438	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
7.	11:15:41.886	UMTS FDD	2100	Tim	8511.		11:22:36.474	10588	148	-17.8	16735.	RRCSM	UMTS FDD	Downlink	11:22:46.458	BCCH_BCH	SYSTEM_INFORMATION_BCH
8.	11:22:47.630	UMTS FDD	2100	Tim	8512.	-121.6	11:22:36.949	10588	148		16736.	RRCSM	UMTS FDD	Downlink	11:22:46.458	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
9.	11:28:54.174	UMTS FDD	900	Dro	8513.		11:22:36.949	10588	148	-17.8	16737.	RRCSM	UMTS FDD	Uplink	11:22:46.469	CCCH	RRC_CONNECTION_REQUEST
					8514.	-117.6	11:22:37.537	10588	148		16738.	RRCSM	UMTS FDD	Downlink	11:22:46.478	BCCH_BCH	SYSTEM_INFORMATION_BCH
					8515.		11:22:37.537	10588	148	-15.3	16739.	RRCSM	UMTS FDD	Downlink	11:22:46.628	CCCH	RRC_CONNECTION_SETUP
					8516.	-119.2	11:22:37.897	10588	148		16740.	RRCSM	UMTS FDD	Uplink	11:22:46.680	DCCH	RRC_CONNECTION_SETUP_COMPLETE
					8517.		11:22:37.897	10588	148	-15.5	16741.	RRCSM	UMTS FDD	Uplink	11:22:46.680	DCCH	INITIAL_DIRECT_TRANSFER
					8518.	-127.6	11:22:39.189	10588	148		16742.	L3SM	UMTS FDD	Uplink	11:22:46.680	DCCH	SERVICE_REQUEST
					8519.		11:22:39.189	10588	148	-23.8	16743.	RRCSM	UMTS FDD	Downlink	11:22:46.913	DCCH	MEASUREMENT_CONTROL
					8520.	-128.7	11:22:39.861	10588	148		16744.	RRCSM	UMTS FDD	Downlink	11:22:46.943	DCCH	MEASUREMENT_CONTROL
					8521.		11:22:39.861	10588	148	-24.9	16745.	RRCSM	UMTS FDD	Downlink	11:22:46.953	DCCH	MEASUREMENT_CONTROL
					8522.	-119.8	11:22:45.938	10588	148		16746.	RRCSM	UMTS FDD	Downlink	11:22:46.963	DCCH	MEASUREMENT_CONTROL
					8523.		11:22:45.938	10588	148	-16.2	16747.	RRCSM	UMTS FDD	Downlink	11:22:46.973	DCCH	MEASUREMENT_CONTROL
					8524.	-114.4	11:22:46.469	10588	148		16748.	RRCSM	UMTS FDD	Downlink	11:22:46.983	DCCH	MEASUREMENT_CONTROL
					8525.		11:22:46.469	10588	148	-10.6	16749.	RRCSM	UMTS FDD	Downlink	11:22:47.003	DCCH	SECURITY_MODE_COMMAND
					8526.	-124.4	11:22:46.862	10588	148		16750.	RRCSM	UMTS FDD	Uplink	11:22:47.003	DCCH	SECURITY_MODE_COMPLETE
					8527.		11:22:46.862	10588	148	-20.6	16751.	RRCSM	UMTS FDD	Uplink	11:22:47.074	DCCH	MEASUREMENT_REPORT
					8528.	-117.6	11:22:47.630	10588	148		16752.	RRCSM	UMTS FDD	Downlink	11:22:47.273	DCCH	RADIO_BEARER_SETUP
					8529.		11:22:47.630	10588	148	-13	16753.	RRCSM	UMTS FDD	Uplink	11:22:47.324	DCCH	MEASUREMENT_REPORT
					8530.	-115.1	11:22:48.024	10588	148		16754.	RRCSM	UMTS FDD	Uplink	11:22:47.838	DCCH	RADIO_BEARER_SETUP_COMPLETE
					8531.		11:22:48.024	10588	148	-11.4	16755.	RRCSM	UMTS FDD	Uplink	11:22:47.838	DCCH	MEASUREMENT_REPORT
					8532.	-114.9	11:22:48.424	10588	148		16756.	RRCSM	UMTS FDD	Downlink	11:22:47.838	DCCH	MEASUREMENT_CONTROL
					8533.		11:22:48.424	10588	148	-11.1	16757.	RRCSM	UMTS FDD	Downlink	11:22:47.862	DCCH	MEASUREMENT_CONTROL
					8534.	-116.6	11:22:49.133	10588	148		16758.	RRCSM	UMTS FDD	Downlink	11:22:47.983	DCCH	RADIO_BEARER_RECONFIGURATION
					8535.		11:22:49.133	10588	148	-13	16759.	RRCSM	UMTS FDD	Uplink	11:22:48.025	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					8536.	-120.4	11:22:49.747	10588	148		16760.	RRCSM	UMTS FDD	Downlink	11:22:48.302	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					8537.		11:22:49.747	10588	148	-16.6	16761.	RRCSM	UMTS FDD	Uplink	11:22:48.345	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					8538.	-121.2	11:22:50.133	10588	148		16762.	RRCSM	UMTS FDD	Downlink	11:22:48.742	DCCH	MEASUREMENT_CONTROL
					8539.		11:22:50.133	10588	148	-16.5	16763.	RRCSM	UMTS FDD	Uplink	11:22:49.125	DCCH	MEASUREMENT_REPORT
					8540.	-110.8	11:22:50.784	10588	148		16764.	RRCSM	UMTS FDD	Uplink	11:22:49.145	DCCH	MEASUREMENT_REPORT

Analysis:

- This call failure event occurred on short call at 11:22:47:630 time when UE was latched with 3G network.
- During the call failure UE send "CM Service Request" and "Setup" message to core network. Then call setup has been failed.
- During the setup fail, UE was latched with PSC 148 and RF condition RSCP -128.7 dBm and Ec/No -24.9 dB both are poor.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

Phase-2 Call Attempt Failure Analysis 9 From MS5 Airtel MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best act ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	10:33:39.078	UMTS FDD	2100	Nor	9058, -81	11:28:47.153	3050	2			18612.	L3SM	UMTS FDD	Uplink	11:28:46.893	DCCH	IDENTITY_RESPONSE
2.	10:40:41.489	UMTS FDD	2100	Nor	9059, -8.2	11:28:47.153	3050	2			18613.	RRCSM	UMTS FDD	Downlink	11:28:46.903	DCCH	ACTIVE_SET_UPDATE
3.	10:41:38.107	UMTS FDD	2100	Nor	9060, -81	11:28:47.807	3050	2			18614.	RRCSM	UMTS FDD	Uplink	11:28:46.914	DCCH	ACTIVE_SET_UPDATE_COMPLETE
4.	10:43:20.650	UMTS FDD	2100	Nor	9061, -7.4	11:28:47.807	3050	148			18615.	RRCSM	UMTS FDD	Downlink	11:28:47.032	DCCH	DOWNLINK_DIRECT_TRANSFER
5.	10:44:55.761	UMTS FDD	2100	Nor	9062, -81	11:28:48.204	3050	2			18616.	L3SM	UMTS FDD	Downlink	11:28:47.032	DCCH	CALL_PROCEEDING
6.	11:14:41.469	UMTS FDD	2100	Nor	9063, -9.7	11:28:48.204	3050	2			18617.	RRCSM	UMTS FDD	Downlink	11:28:47.283	DCCH	RADIO_BEARER_SETUP
7.	11:15:41.886	UMTS FDD	2100	Tim	9064, -81	11:28:48.863	3050	2			18618.	RRCSM	UMTS FDD	Uplink	11:28:47.316	DCCH	MEASUREMENT_REPORT
8.	11:22:47.630	UMTS FDD	2100	Tim	9065, -7.5	11:28:48.863	3050	2			18619.	RRCSM	UMTS FDD	Uplink	11:28:47.646	DCCH	RADIO_BEARER_SETUP_COMPLETE
9.	11:28:54.174	UMTS FDD	900	Dr	9066, -81	11:28:49.153	3050	2			18620.	RRCSM	UMTS FDD	Uplink	11:28:47.714	DCCH	MEASUREMENT_REPORT
					9067, -7.3	11:28:49.153	3050	2			18621.	RRCSM	UMTS FDD	Uplink	11:28:47.755	DCCH	MEASUREMENT_REPORT
					9068, -77.8	11:28:49.974	3050	148			18622.	RRCSM	UMTS FDD	Uplink	11:28:47.766	DCCH	MEASUREMENT_REPORT
					9069, -6.3	11:28:49.974	3050	148			18623.	RRCSM	UMTS FDD	Uplink	11:28:47.785	DCCH	MEASUREMENT_REPORT
					9070, -77.8	11:28:50.483	3050	148			18624.	RRCSM	UMTS FDD	Downlink	11:28:47.933	DCCH	RADIO_BEARER_RECONFIGURATION
					9071, -6.8	11:28:50.483	3050	148			18625.	RRCSM	UMTS FDD	Uplink	11:28:47.975	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					9072, -82.2	11:28:50.963	3050	148			18626.	RRCSM	UMTS FDD	Downlink	11:28:48.013	DCCH	DOWNLINK_DIRECT_TRANSFER
					9073, -7	11:28:50.963	3050	148			18627.	L3SM	UMTS FDD	Downlink	11:28:48.013	DCCH	PROGRESS
					9074, -81.9	11:28:51.465	3050	140			18628.	RRCSM	UMTS FDD	Downlink	11:28:48.213	DCCH	ACTIVE_SET_UPDATE
					9075, -7.7	11:28:51.465	3050	148			18629.	RRCSM	UMTS FDD	Uplink	11:28:48.224	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					9076, -77.4	11:28:51.923	3050	2			18630.	RRCSM	UMTS FDD	Downlink	11:28:48.533	DCCH	MEASUREMENT_CONTROL
					9077, -6.4	11:28:51.923	3050	2			18631.	RRCSM	UMTS FDD	Uplink	11:28:53.186	DCCH	MEASUREMENT_REPORT
					9078, -78.8	11:28:52.523	3050	148			18632.	RRCSM	UMTS FDD	Uplink	11:28:53.376	DCCH	MEASUREMENT_REPORT
					9079, -5.8	11:28:52.523	3050	148			18633.	RRCSM	UMTS FDD	Downlink	11:28:53.653	DCCH	ACTIVE_SET_UPDATE
					9080, -78.8	11:28:52.945	3050	148			18634.	RRCSM	UMTS FDD	Uplink	11:28:53.684	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					9081, -4.9	11:28:52.945	3050	148			18635.	RRCSM	UMTS FDD	Downlink	11:28:53.893	DCCH	MEASUREMENT_CONTROL
					9082, -80.1	11:28:53.543	3050	148			18636.	RRCSM	UMTS FDD	Downlink	11:28:54.173	DCCH	DOWNLINK_DIRECT_TRANSFER
					9083, -5.3	11:28:53.543	3050	148			18637.	L3SM	UMTS FDD	Downlink	11:28:54.173	DCCH	DISCONNECT
					9084, -80.2	11:28:53.974	3050	148			18638.	RRCSM	UMTS FDD	Uplink	11:28:54.174	DCCH	UPLINK_DIRECT_TRANSFER
					9085, -5.6	11:28:53.974	3050	148			18639.	L3SM	UMTS FDD	Uplink	11:28:54.174	DCCH	RELEASE
					9086, -81.1	11:28:54.463	3050	148			18640.	RRCSM	UMTS FDD	Downlink	11:28:54.413	DCCH	DOWNLINK_DIRECT_TRANSFER
					9087, -5.5	11:28:54.463	3050	148			18641.	L3SM	UMTS FDD	Downlink	11:28:54.413	DCCH	RELEASE_COMPLETE
					9088, -81.8	11:28:54.945	3050	2			18642.	RRCSM	UMTS FDD	Downlink	11:28:54.453	DCCH	MEASUREMENT_CONTROL
					9089, -6.9	11:28:54.945	3050	2			18643.	RRCSM	UMTS FDD	Downlink	11:28:54.533	DCCH	SECURITY_MODE_COMMAND
					9090, -76	11:29:26.068	3050	2			18644.	RRCSM	UMTS FDD	Uplink	11:28:54.533	DCCH	SECURITY_MODE_COMPLETE
					9091, -9.7	11:29:26.068	3050	2			18645.	RRCSM	UMTS FDD	Uplink	11:28:54.554	DCCH	MEASUREMENT_REPORT
					9092, -76	11:29:26.790	3050	2			18646.	RRCSM	UMTS FDD	Uplink	11:28:54.804	DCCH	MEASUREMENT_REPORT
					9093, -6	11:29:26.790	3050	2			18647.	RRCSM	UMTS FDD	Downlink	11:28:54.933	DCCH	DOWNLINK_DIRECT_TRANSFER

Analysis:

- This call failure event occurred on short call at 11:28:54:174 time when UE was latched with 3G network.
- During the call failure UE send "CM Service Request " and "Setup" message to core network. Then call setup has been failed.
- During the setup fail, UE was latched with PSC 148 and RF condition RSCP -80.2 dBm and ECNO -5.6 dB both are good.
- Need to check MT End.

Phase-2 Call Attempt Failure Analysis 9 From MS6 Airtel MT

	Time	Cell type	Band	Band (MHz)	Ch	PCI	RSRP	SNR		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
4913.	11:28:42.152							8.1	▲	11802.	RRCSM	LTE FDD	Downlink	11:28:50.601	DCCH	RRConnectionReconfiguration
4914.	11:28:42.630	Serving	B20	800		6400 148	-91.6			11803.	RRCSM	LTE FDD	Uplink	11:28:50.602	DCCH	RRConnectionReconfigurationComplete
4915.	11:28:42.630							8.5		11804.	RRCSM	LTE FDD	Downlink	11:28:50.697	BCCH-SCH	SystemInformationBlockType1
4916.	11:28:43.088	Serving	B20	800		6400 148	-92.1			11805.	RRCSM	LTE FDD	Uplink	11:28:50.754	DCCH	MeasurementReport
4917.	11:28:43.088							11.2		11806.	RRCSM	LTE FDD	Uplink	11:28:51.154	DCCH	MeasurementReport
4918.	11:28:43.562	Serving	B20	800		6400 148	-91.9			11807.	RRCSM	LTE FDD	Downlink	11:28:51.170	DCCH	RRConnectionReconfiguration
4919.	11:28:43.562							12.3		11808.	RRCSM	LTE FDD	Uplink	11:28:51.185	DCCH	RRConnectionReconfigurationComplete
4920.	11:28:46.880									11809.	RRCSM	LTE FDD	Uplink	11:28:51.801	DCCH	MeasurementReport
4921.	11:28:46.935	Serving	B20	800		6400 148	-91.9			11810.	RRCSM	LTE FDD	Uplink	11:28:52.602	DCCH	MeasurementReport
4922.	11:28:50.485	Serving	B20	800		6400 101	-97.3			11811.	RRCSM	LTE FDD	Downlink	11:28:52.633	DCCH	RRConnectionReconfiguration
4923.	11:28:50.485							0.6		11812.	RRCSM	LTE FDD	Uplink	11:28:52.646	DCCH	RRConnectionReconfigurationComplete
4924.	11:28:50.998	Serving	B20	800		6400 101	-92.5			11813.	RRCSM	LTE FDD	Downlink	11:28:52.694	BCCH-SCH	SystemInformationBlockType1
4925.	11:28:50.998							7.7		11814.	L3SM	LTE FDD	Uplink	11:28:52.697		TRACKING_AREA_UPDATE_REQUEST
4926.	11:28:51.514	Serving	B20	800		6400 101	-93.1			11815.	RRCSM	LTE FDD	Uplink	11:28:52.697	DCCH	ULInformationTransfer
4927.	11:28:51.514							9.5		11816.	RRCSM	LTE FDD	Downlink	11:28:52.724	DCCH	RRConnectionReconfiguration
4928.	11:28:52.074	Serving	B20	800		6400 101	-93.9		└─┘	11817.	RRCSM	LTE FDD	Downlink	11:28:52.728	BCCH-SCH	SystemInformation - SIB2, SIB3
4929.	11:28:52.074							9.8		11818.	RRCSM	LTE FDD	Uplink	11:28:52.732	DCCH	RRConnectionReconfigurationComplete
4930.	11:28:52.599	Serving	B20	800		6400 101	-95.8			11819.	RRCSM	LTE FDD	Uplink	11:28:52.783	DCCH	MeasurementReport
4931.	11:28:52.599							5.5		11820.	RRCSM	LTE FDD	Uplink	11:28:52.783	DCCH	MeasurementReport
4932.	11:28:53.075	Serving	B20	800		6400 148	-89.4			11821.	RRCSM	LTE FDD	Downlink	11:28:52.785	DCCH	DLInformationTransfer
4933.	11:28:53.075							8.8		11822.	L3SM	LTE FDD	Downlink	11:28:52.785		TRACKING_AREA_UPDATE_ACCEPT
4934.	11:28:53.568	Serving	B20	800		6400 148	-89.1			11823.	RRCSM	LTE FDD	Downlink	11:28:52.797	DCCH	RRConnectionReconfiguration
4935.	11:28:53.568							11.2		11824.	RRCSM	LTE FDD	Uplink	11:28:52.797	DCCH	RRConnectionReconfigurationComplete
4936.	11:28:54.016	Serving	B20	800		6400 148	-89.8			11825.	RRCSM	LTE FDD	Downlink	11:28:52.813	DCCH	RRConnectionReconfiguration
4937.	11:28:54.016							7.8		11826.	RRCSM	LTE FDD	Uplink	11:28:52.822	DCCH	RRConnectionReconfigurationComplete
4938.	11:28:54.656	Serving	B20	800		6400 148	-89.6			11827.	RRCSM	LTE FDD	Downlink	11:28:55.054	DCCH	RRConnectionReconfiguration
4939.	11:28:54.656							10.8		11828.	RRCSM	LTE FDD	Uplink	11:28:55.065	DCCH	RRConnectionReconfigurationComplete
4940.	11:28:55.211	Serving	B20	800		6400 148	-91.8			11829.	RRCSM	LTE FDD	Uplink	11:28:55.213	DCCH	MeasurementReport
4941.	11:28:55.211							11		11830.	RRCSM	LTE FDD	Downlink	11:28:55.240	DCCH	RRConnectionReconfiguration
4942.	11:28:55.716	Serving	B20	800		6400 148	-94.1			11831.	RRCSM	LTE FDD	Uplink	11:28:55.241	DCCH	RRConnectionReconfigurationComplete
4943.	11:28:55.716							7.7		11832.	RRCSM	LTE FDD	Uplink	11:28:55.689	DCCH	MeasurementReport
4944.	11:28:56.096	Serving	B20	800		6400 148	-94.4			11833.	RRCSM	LTE FDD	Downlink	11:28:55.719	DCCH	RRConnectionReconfiguration
4945.	11:28:56.096							6.7		11834.	RRCSM	LTE FDD	Uplink	11:28:55.731	DCCH	RRConnectionReconfigurationComplete
4946.	11:28:56.697	Serving	B20	800		6400 148	-95			11835.	RRCSM	LTE FDD	Downlink	11:28:55.814	DCCH	RRConnectionReconfiguration
4947.	11:28:56.697							5.1		11836.	RRCSM	LTE FDD	Uplink	11:28:55.819	DCCH	RRConnectionReconfigurationComplete
4948.	11:28:57.248	Serving	B20	800		6400 148	-99.9			11837.	RRCSM	LTE FDD	Downlink	11:28:56.454	DCCH	RRConnectionReconfiguration

Analysis:

- During the setup fail, UE was latched with PCI 148 and RF condition RSRP -89.8 dBm and SNR 7.8 dB both are good.
- On both MO And MT Side, RF Conditions seems OK Also there is no abnormal message regarding failure.
- Need to check from Network End.

Phase-2 Call Attempt Failure Analysis 1 From MS7 CWS MO

	Time	System	Serving band		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	10:33:03.448	GSM	900	Dro	29.	10:32:54.337					0		1040.	L3SM	GSM	Downlink	10:32:57.296	SACCH	SYSTEM_INFORMATION_TYPE_5
2.	11:14:23.465	GSM	900	Tim	30.	10:32:54.808					7		1041.	L3SM	GSM	Uplink	10:32:57.633	SACCH	MEASUREMENT_REPORT
3.	11:16:09.092	GSM	900	Nor	31.	10:32:54.842	-97	12	19	1			1042.	L3SM	GSM	Downlink	10:32:57.766	SACCH	SYSTEM_INFORMATION_TYPE_5TER
4.	11:43:50.938	UMTS FDD	2100	Dro	32.	10:32:55.279					1		1043.	L3SM	GSM	Uplink	10:32:58.103	SACCH	MEASUREMENT_REPORT
5.	12:00:57.388	UMTS FDD	2100	Call	33.	10:32:55.749					0		1044.	L3SM	GSM	Downlink	10:32:58.237	SACCH	SYSTEM_INFORMATION_TYPE_6
					34.	10:32:55.870	-88	12	19	1			1045.	L3SM	GSM	Uplink	10:32:58.574	SACCH	MEASUREMENT_REPORT
					35.	10:32:56.220					0		1046.	L3SM	GSM	Downlink	10:32:58.708	SACCH	SYSTEM_INFORMATION_TYPE_5
					36.	10:32:56.354	-86	12	19	1			1047.	L3SM	GSM	Uplink	10:32:59.045	SACCH	MEASUREMENT_REPORT
					37.	10:32:56.691					0		1048.	L3SM	GSM	Downlink	10:32:59.179	SACCH	SYSTEM_INFORMATION_TYPE_5TER
					38.	10:32:56.912	-82	12	19	1			1049.	L3SM	GSM	Uplink	10:32:59.516	SACCH	MEASUREMENT_REPORT
					39.	10:32:57.162	-79	12	19	1			1050.	L3SM	GSM	Downlink	10:32:59.649	SACCH	SYSTEM_INFORMATION_TYPE_6
					40.	10:32:57.775	-77	12	19	1			1051.	L3SM	GSM	Uplink	10:32:59.987	SACCH	MEASUREMENT_REPORT
					41.	10:32:58.103					2		1052.	L3SM	GSM	Downlink	10:33:00.120	SACCH	SYSTEM_INFORMATION_TYPE_5
					42.	10:32:58.237	-75	12	19	1			1053.	L3SM	GSM	Uplink	10:33:00.457	SACCH	MEASUREMENT_REPORT
					43.	10:32:58.574					0		1054.	L3SM	GSM	Downlink	10:33:00.591	SACCH	SYSTEM_INFORMATION_TYPE_5TER
					44.	10:32:59.031	-76	12	19	1			1055.	L3SM	GSM	Uplink	10:33:00.928	SACCH	MEASUREMENT_REPORT
					45.	10:32:59.516	-81	12	19	1			1056.	L3SM	GSM	Downlink	10:33:01.062	SACCH	SYSTEM_INFORMATION_TYPE_6
					46.	10:33:00.094	-79	12	19	1			1057.	L3SM	GSM	Uplink	10:33:01.399	SACCH	MEASUREMENT_REPORT
					47.	10:33:00.457	-80	12	19	1			1058.	L3SM	GSM	Downlink	10:33:01.533	SACCH	SYSTEM_INFORMATION_TYPE_5
					48.	10:33:00.457					0		1059.	L3SM	GSM	Uplink	10:33:01.869	SACCH	MEASUREMENT_REPORT
					49.	10:33:00.928					0		1060.	L3SM	GSM	Downlink	10:33:02.003	SACCH	SYSTEM_INFORMATION_TYPE_5TER
					50.	10:33:01.062	-81	12	19	1			1061.	L3SM	GSM	Uplink	10:33:02.340	SACCH	MEASUREMENT_REPORT
					51.	10:33:01.869	-76	12	19	1			1062.	L3SM	GSM	Downlink	10:33:02.474	SACCH	SYSTEM_INFORMATION_TYPE_6
					52.	10:33:02.811					0		1063.	L3SM	GSM	Downlink	10:33:02.797	DCCH	ASSIGNMENT_COMMAND
					53.	10:33:02.841	-84	12	19	1			1064.	L3SM	GSM	Uplink	10:33:02.811	SACCH	MEASUREMENT_REPORT
					54.	10:33:03.064					7		1065.	L3SM	GSM	Uplink	10:33:02.857	DCCH	ASSIGNMENT_COMPLETE
					55.	10:33:03.371					7		1066.	L3SM	GSM	Uplink	10:33:03.064	SACCH	MEASUREMENT_REPORT
					56.	10:33:03.417				1			1067.	L3SM	GSM	Downlink	10:33:03.242	DCCH	DISCONNECT
					57.	10:33:03.417					0		1068.	L3SM	GSM	Downlink	10:33:03.371	SACCH	SYSTEM_INFORMATION_TYPE_5
					58.	10:33:03.944	-77	12	19	1			1069.	L3SM	GSM	Uplink	10:33:03.417	SACCH	MEASUREMENT_REPORT
					59.	10:33:03.944							1070.	L3SM	GSM	Uplink	10:33:03.448	DCCH	RELEASE
					60.	10:33:37.177					7		1071.	L3SM	GSM	Downlink	10:33:03.583	DCCH	RELEASE_COMPLETE
					61.	10:33:37.292	-59	12	19	1			1072.	L3SM	GSM	Downlink	10:33:03.703	DCCH	CHANNEL_RELEASE
					62.	10:33:37.648					0		1073.	RRCSM	LTE FDD	Downlink	10:33:03.948	BCCH-BCH	MasterinformationBlock
					63.	10:33:37.884	-57	12	19	1			1074.	RRCSM	LTE FDD	Downlink	10:33:03.972	BCCH-SCH	SysteminformationBlockType1
					64.	10:33:38.321	-59	12	19	1			1075.	RRCSM	LTE FDD	Downlink	10:33:04.029	BCCH-SCH	SystemInformation - SIB2,SIB3

Analysis:

- This call failure event occurred on short call at 10:33:03:448 time when UE was latched with 2G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the call failure, UE was latched with ARFCN 12 and RF condition Rx lev -84 dBm is good and Rx qual 7 dB which is poor.
- As per the Analysis the call setup failure event occurred due to poor quality in the network.

Phase-2 Call Attempt Failure Analysis 2 From MS7 CWS MO

	Time	System	Serving band		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	10:33:03.448	GSM	900	Dro	1373.	11:05:37.942	-78	10	1	0			11724.	L3SM	GSM	Uplink	11:14:18.759	DCCH	TMSI_REALLOCATION_COMPLETE
2.	11:14:23.465	GSM	900	Tim	1374.	11:05:38.223	-83	10	1	0			11725.	L3SM	GSM	Uplink	11:14:18.759	DCCH	CM_SERVICE_REQUEST
3.	11:16:09.092	GSM	900	Nor	1375.	11:05:38.781	-83	10	1	0			11726.	L3SM	GSM	Downlink	11:14:18.832	SACCH	MEASUREMENT_INFORMATION
4.	11:43:50.938	UMTS FDD	2100	Dro	1376.	11:05:39.460	-83	10	1	0			11727.	L3SM	GSM	Uplink	11:14:18.897	SACCH	MEASUREMENT_REPORT
5.	12:00:57.388	UMTS FDD	2100	Call	1377.	11:05:39.875	-83	10	1	0			11728.	L3SM	GSM	Downlink	11:14:19.229	DCCH	CM_SERVICE_ACCEPT
					1378.	11:05:40.387	-83	10	1	0			11729.	L3SM	GSM	Uplink	11:14:19.229	DCCH	SETUP
					1379.	11:05:41.098	-82	10	1	0			11730.	L3SM	GSM	Downlink	11:14:19.303	SACCH	SYSTEM_INFORMATION_TYPE_5
					1380.	11:14:14.660					0		11731.	L3SM	GSM	Uplink	11:14:19.367	SACCH	MEASUREMENT_REPORT
					1381.	11:14:14.991	-72	5	15	1	0		11732.	L3SM	GSM	Downlink	11:14:19.700	DCCH	CALL_PROCEEDING
					1382.	11:14:15.536	-71	5	15	1	0		11733.	L3SM	GSM	Downlink	11:14:19.773	SACCH	SYSTEM_INFORMATION_TYPE_5TER
					1383.	11:14:16.072	-70	5	15	1	0		11734.	L3SM	GSM	Uplink	11:14:19.838	SACCH	MEASUREMENT_REPORT
					1384.	11:14:16.849	-69	5	15	1	0		11735.	L3SM	GSM	Downlink	11:14:20.244	SACCH	SYSTEM_INFORMATION_TYPE_6
					1385.	11:14:17.110	-62	5	15	1	0		11736.	L3SM	GSM	Uplink	11:14:20.309	SACCH	MEASUREMENT_REPORT
					1386.	11:14:17.581	-64	5	15	1	0		11737.	L3SM	GSM	Downlink	11:14:20.715	SACCH	MEASUREMENT_INFORMATION
					1387.	11:14:17.955	-62	5	15	1	0		11738.	L3SM	GSM	Uplink	11:14:20.780	SACCH	MEASUREMENT_REPORT
					1388.	11:14:18.848	-57	5	15	1	0		11739.	L3SM	GSM	Downlink	11:14:21.186	SACCH	MEASUREMENT_INFORMATION
					1389.	11:14:19.229	-63	5	15	1	0		11740.	L3SM	GSM	Uplink	11:14:21.250	SACCH	MEASUREMENT_REPORT
					1390.	11:14:19.846	-58	5	15	1	0		11741.	L3SM	GSM	Downlink	11:14:21.656	SACCH	SYSTEM_INFORMATION_TYPE_5
					1391.	11:14:20.309	-74	5	15	1	0		11742.	L3SM	GSM	Uplink	11:14:21.721	SACCH	MEASUREMENT_REPORT
					1392.	11:14:20.309					3		11743.	L3SM	GSM	Downlink	11:14:22.127	SACCH	SYSTEM_INFORMATION_TYPE_5TER
					1393.	11:14:20.780	-57	5	15	1	0		11744.	L3SM	GSM	Uplink	11:14:22.192	SACCH	MEASUREMENT_REPORT
					1394.	11:14:20.780					0		11745.	L3SM	GSM	Downlink	11:14:22.598	SACCH	SYSTEM_INFORMATION_TYPE_6
					1395.	11:14:21.849	-61	5	15	1	0		11746.	L3SM	GSM	Uplink	11:14:22.663	SACCH	MEASUREMENT_REPORT
					1396.	11:14:22.192	-62	5	15	1	0		11747.	L3SM	GSM	Downlink	11:14:23.069	SACCH	MEASUREMENT_INFORMATION
					1397.	11:14:22.930	-58	5	15	1	0		11748.	L3SM	GSM	Uplink	11:14:23.134	SACCH	MEASUREMENT_REPORT
					1398.	11:14:23.465	-51	5	15	1	0		11749.	L3SM	GSM	Downlink	11:14:23.861	SACCH	MEASUREMENT_INFORMATION
					1399.	11:14:24.010	-48	5	15	1	0		11750.	L3SM	GSM	Uplink	11:14:23.861	SACCH	MEASUREMENT_REPORT
					1400.	11:14:24.409	-48	5	15	1	0		11751.	L3SM	GSM	Uplink	11:14:23.861	DCCH	DISCONNECT
					1401.	11:14:24.988	-48	5	15	1	0		11752.	L3SM	GSM	Downlink	11:14:24.010	SACCH	SYSTEM_INFORMATION_TYPE_5
					1402.	11:14:24.988							11753.	L3SM	GSM	Uplink	11:14:24.075	SACCH	MEASUREMENT_REPORT
					1403.	11:14:25.772	-56	5	15	1	0		11754.	L3SM	GSM	Downlink	11:14:24.407	DCCH	RELEASE
					1404.	11:14:26.113	-56	5	15	1	0		11755.	L3SM	GSM	Uplink	11:14:24.408	DCCH	RELEASE_COMPLETE
					1405.	11:14:26.847	-52	5	15	1	0		11756.	L3SM	GSM	Downlink	11:14:24.481	SACCH	SYSTEM_INFORMATION_TYPE_5TER
					1406.	11:14:27.774	-52	5	15	1	0		11757.	L3SM	GSM	Uplink	11:14:24.546	SACCH	MEASUREMENT_REPORT
					1407.	11:14:28.102	-52	5	15	1	0		11758.	L3SM	GSM	Downlink	11:14:24.642	DCCH	CHANNEL_RELEASE
					1408.	11:14:28.513	-51	5	15	1	0		11759.	L3SM	GSM	Uplink	11:14:24.917	PDCH	ROUTING_AREA_UPDATE_REQUEST

Analysis:

- This call failure event occurred on short call at 11:14:23:465 time when UE was latched with 2G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the call failure, UE was latched with ARFCN 5 and RF condition Rx lev -51 dBm and Rx qual 0 dB both are ok.
- Need to check at MT end.

Phase-2 Call Attempt Failure Analysis 2 From MS8 CWS MT

	Time	Cell type	Band	Band (MHz)	Ch	PCI	RSRP	SNR		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
5065.	11:14:16.130	Serving	B20	800	6300	208	-87.3			11086.	RRCSM	LTE FDD	Downlink	11:14:17.319	PCCH	Paging
5066.	11:14:16.130							19.9		11087.	RRCSM	LTE FDD	Downlink	11:14:18.599	DCCH	RRConnectionRelease
5067.	11:14:16.518	Serving	B20	800	6300	208	-85.2			11088.	RRCSM	LTE FDD	Downlink	11:14:18.990	PCCH	Paging
5068.	11:14:16.518							25.8		11089.	RRCSM	LTE FDD	Downlink	11:14:20.272	PCCH	Paging
5069.	11:14:17.026	Serving	B20	800	6300	208	-84.7			11090.	RRCSM	LTE FDD	Downlink	11:14:21.551	PCCH	Paging
5070.	11:14:17.026							22.8		11091.	L3SM	LTE FDD	Uplink	11:14:21.551		EXTENDED_SERVICE_REQUEST
5071.	11:14:17.519	Serving	B20	800	6300	208	-86.6			11092.	RRCSM	LTE FDD	Uplink	11:14:21.552	CCCH	RRConnectionRequest
5072.	11:14:17.519							23		11093.	RRCSM	LTE FDD	Downlink	11:14:21.607	CCCH	RRConnectionSetup
5073.	11:14:18.026	Serving	B20	800	6300	208	-86			11094.	RRCSM	LTE FDD	Uplink	11:14:21.612	DCCH	RRConnectionSetupComplete
5074.	11:14:18.026							20.2		11095.	RRCSM	LTE FDD	Downlink	11:14:21.636	DCCH	SecurityModeCommand
5075.	11:14:18.782	Serving	B20	800	6300	208	-80.8			11096.	RRCSM	LTE FDD	Uplink	11:14:21.637	DCCH	SecurityModeComplete
5076.	11:14:18.782							24.3		11097.	RRCSM	LTE FDD	Downlink	11:14:21.637	DCCH	RRConnectionReconfiguration
5077.	11:14:19.272	Serving	B20	800	6300	208	-87.9			11098.	RRCSM	LTE FDD	Uplink	11:14:21.640	DCCH	RRConnectionReconfigurationComplete
5078.	11:14:19.272							27.5		11099.	RRCSM	LTE FDD	Downlink	11:14:21.660	DCCH	UECapabilityEnquiry
5079.	11:14:20.850	Serving	B20	800	6300	208	-81.6			11100.	RRCSM	LTE FDD	Uplink	11:14:21.661	DCCH	UECapabilityInformation
5080.	11:14:20.850							24.6		11101.	RRCSM	UMTS FDD	Uplink	11:14:21.661		INTER_RAT_HANDOVER_INFO
5081.	11:14:21.889	Serving	B20	800	6300	208	-75.8			11102.	RRCSM	LTE FDD	Downlink	11:14:21.662	DCCH	RRConnectionReconfiguration
5082.	11:14:21.889							29.6		11103.	RRCSM	LTE FDD	Uplink	11:14:21.663	DCCH	RRConnectionReconfigurationComplete
5083.	11:14:22.410	Serving	B20	800	6300	208	-76.2			11104.	RRCSM	LTE FDD	Uplink	11:14:22.301	DCCH	MeasurementReport
5084.	11:14:22.410							29.6		11105.	RRCSM	LTE FDD	Uplink	11:14:22.301	DCCH	MeasurementReport
5085.	11:14:22.779	Serving	B20	800	6300	208	-74.4			11106.	RRCSM	LTE FDD	Uplink	11:14:22.657	DCCH	MeasurementReport
5086.	11:14:22.779							28.8		11107.	RRCSM	LTE FDD	Downlink	11:14:22.675	DCCH	RRConnectionRelease
5087.	11:14:53.319	Serving	B20	800	6300	208	-94.8			11108.	L3SM	GSM	Downlink	11:14:23.565	BCCH	SYSTEM_INFORMATION_TYPE_3
5088.	11:14:53.835	Serving	B20	800	6300	208	-96.3			11109.	L3SM	GSM	Downlink	11:14:23.799	BCCH	SYSTEM_INFORMATION_TYPE_4
5089.	11:14:54.264	Serving	B20	800	6300	208	-95.8			11110.	L3SM	GSM	Downlink	11:14:24.035	BCCH	SYSTEM_INFORMATION_TYPE_1
5090.	11:14:54.850	Serving	B20	800	6300	208	-96.5			11111.	L3SM	GSM	Uplink	11:14:24.044	DCCH	LOCATION_UPDATING_REQUEST
5091.	11:14:55.850	Serving	B20	800	6300	208	-96.8			11112.	L3SM	GSM	Downlink	11:14:24.282	BCCH	SYSTEM_INFORMATION_TYPE_2
5092.	11:14:56.250	Serving	B20	800	6300	208	-98.9			11113.	L3SM	GSM	Downlink	11:14:24.301	CCCH	IMMEDIATE_ASSIGNMENT
5093.	11:14:56.850	Serving	B20	800	6300	208	-95.7			11114.	L3SM	GSM	Uplink	11:14:24.514	DCCH	CLASSMARK_CHANGE
5094.	11:14:57.335	Serving	B20	800	6300	208	-97.4			11115.	L3SM	GSM	Uplink	11:14:24.514	DCCH	UTRAN_CLASSMARK_CHANGE
5095.	11:14:57.850	Serving	B20	800	6300	208	-97.1			11116.	L3SM	GSM	Uplink	11:14:24.514	DCCH	GPRS_SUSPENSION_REQUEST
5096.	11:14:58.453	Serving	B20	800	6300	208	-95.9			11117.	L3SM	GSM	Uplink	11:14:24.546	SACCH	MEASUREMENT_REPORT
5097.	11:14:58.453									11118.	L3SM	GSM	Downlink	11:14:24.661	SACCH	SYSTEM_INFORMATION_TYPE_5
5098.	11:14:58.453							14.9		11119.	L3SM	GSM	Downlink	11:14:24.749	DCCH	IDENTITY_REQUEST
5099.	11:14:59.038	Serving	B20	800	6300	208	-94.3			11120.	L3SM	GSM	Uplink	11:14:24.749	DCCH	IDENTITY_RESPONSE
5100.	11:14:59.038							11.1		11121.	L3SM	GSM	Downlink	11:14:24.984	DCCH	CLASSMARK_ENQUIRY
5101.	11:14:59.466	Serving	B20	800	6300	208	-97.1			11122.	L3SM	GSM	Uplink	11:14:24.985	DCCH	CLASSMARK_CHANGE

Analysis:

- During the setup fail, UE was latched with PCI 208 and RF condition RSRP -74.4 dBm and SNR 28.8 dB both are good.
- On both MO And MT Side, RF Conditions seems OK Also there is no abnormal message regarding failure.
- Need to check from Network End.

Phase-2 Call Attempt Failure Analysis 3 From MS7 CWS MO

	Time	System	Serving band		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub		System	Transf. dir.	Time	Subchannel	Message name	Msg	
1.	10:33:03.448	GSM	900	Dro	1547.	11:15:59.894	-48	25	40	1	0		12242.	GSM	Downlink	11:16:03.101	SACCH	SYSTEM_INFORMATION_TYPE_6	
2.	11:14:23.465	GSM	900	Tim	1548.	11:16:00.872	-53	25	40	1	0		12243.	GSM	Uplink	11:16:03.148	SACCH	MEASUREMENT_REPORT	
3.	11:16:09.092	GSM	900	No	1549.	11:16:01.274	-53	25	40	1	0		12244.	GSM	Downlink	11:16:03.581	SACCH	SYSTEM_INFORMATION_TYPE_5	
4.	11:43:50.938	UMTS FDD	2100	Dro	1550.	11:16:01.849	-49	25	40	1	0		12245.	GSM	Uplink	11:16:03.628	SACCH	MEASUREMENT_REPORT	
5.	12:00:57.388	UMTS FDD	2100	Call	1551.	11:16:02.455	-48	25	40	1	0		12246.	GSM	Downlink	11:16:04.061	SACCH	SYSTEM_INFORMATION_TYPE_5TER	
					1552.	11:16:02.972	-48	25	40	1	0		12247.	GSM	Uplink	11:16:04.108	SACCH	MEASUREMENT_REPORT	
					1553.	11:16:03.272	-48	25	40	1	0		12248.	GSM	Downlink	11:16:04.541	SACCH	SYSTEM_INFORMATION_TYPE_6	
					1554.	11:16:03.895	-48	25	40	1	0		12249.	GSM	Uplink	11:16:04.588	SACCH	MEASUREMENT_REPORT	
					1555.	11:16:04.532	-54	25	40	1	0		12250.	GSM	Downlink	11:16:05.022	SACCH	SYSTEM_INFORMATION_TYPE_5	
					1556.	11:16:05.140	-59	25	40	1	0		12251.	GSM	Uplink	11:16:05.068	SACCH	MEASUREMENT_REPORT	
					1557.	11:16:05.548	-62	25	40	1	0		12252.	GSM	Downlink	11:16:05.501	SACCH	SYSTEM_INFORMATION_TYPE_5TER	
					1558.	11:16:06.028	-58	25	40	1	0		12253.	GSM	Uplink	11:16:05.548	SACCH	MEASUREMENT_REPORT	
					1559.	11:16:06.775	-55	25	40	1	0		12254.	GSM	Downlink	11:16:05.981	SACCH	SYSTEM_INFORMATION_TYPE_6	
					1560.	11:16:07.135	-61	25	40	1	0		12255.	GSM	Uplink	11:16:06.028	SACCH	MEASUREMENT_REPORT	
					1561.	11:16:07.845	-59	25	40	1	0		12256.	GSM	Downlink	11:16:06.461	SACCH	SYSTEM_INFORMATION_TYPE_5	
					1562.	11:16:07.948	-58	25	40	1	0		12257.	GSM	Uplink	11:16:06.508	SACCH	MEASUREMENT_REPORT	
					1563.	11:16:07.948					0		12258.	GSM	Downlink	11:16:06.941	SACCH	SYSTEM_INFORMATION_TYPE_5TER	
					1564.	11:16:08.428					0		12259.	GSM	Uplink	11:16:06.988	SACCH	MEASUREMENT_REPORT	
					1565.	11:16:08.774	-57	25	40	1	0		12260.	GSM	Downlink	11:16:07.421	SACCH	SYSTEM_INFORMATION_TYPE_6	
					1566.	11:16:08.774					0		12261.	GSM	Uplink	11:16:07.468	SACCH	MEASUREMENT_REPORT	
					1567.	11:16:09.290	-61	25	40	1	0		12262.	GSM	Downlink	11:16:07.901	SACCH	SYSTEM_INFORMATION_TYPE_5	
					1568.	11:16:09.290							12263.	GSM	Uplink	11:16:07.948	SACCH	MEASUREMENT_REPORT	
					1569.	11:16:10.466	-50	12	40	1	0		12264.	GSM	Downlink	11:16:08.381	SACCH	SYSTEM_INFORMATION_TYPE_5TER	
					1570.	11:16:10.846	-54	12	40	1	0		12265.	GSM	Uplink	11:16:08.428	SACCH	MEASUREMENT_REPORT	
					1571.	11:16:11.412	-52	12	40	1	0		12266.	GSM	Downlink	11:16:08.861	SACCH	SYSTEM_INFORMATION_TYPE_6	
					1572.	11:16:11.956	-51	12	40	1	0		12267.	GSM	Uplink	11:16:08.908	SACCH	MEASUREMENT_REPORT	
					1573.	11:16:12.265	-51	12	40	1	0		12268.	GSM	Uplink	11:16:08.956	DCCH	DISCONNECT	
					1574.	11:16:13.045	-51	12	40	1	0		12269.	GSM	Downlink	11:16:09.092	DCCH	RELEASE	
					1575.	11:16:13.479	-51	12	40	1	0		12270.	GSM	Uplink	11:16:09.093	DCCH	RELEASE_COMPLETE	
					1576.	11:16:13.871	-53	12	40	1	0		12271.	GSM	Downlink	11:16:09.254	DCCH	CHANNEL_RELEASE	
					1577.	11:16:14.543	-54	12	40	1	0		12272.	GSM	Downlink	11:16:09.341	SACCH	SYSTEM_INFORMATION_TYPE_5	
					1578.	11:16:15.435	-53	12	40	1	0		12273.	GSM	Downlink	11:16:09.498	BCCH	SYSTEM_INFORMATION_TYPE_1	
					1579.	11:16:42.010					0		12274.	GSM	Downlink	11:16:09.517	CCCH	IMMEDIATE_ASSIGNMENT	
					1580.	11:16:42.033	-76	12	40	1			12275.	GSM	Downlink	11:16:09.637	CCCH	PAGING_REQUEST_TYPE_1	
					1581.	11:16:42.480					0		12276.	GSM	Uplink	11:16:09.642	PACCH	PACKET_RESOURCE_REQUEST	Norr
					1582.	11:16:42.847	-88	12	40	1			12277.	GSM	Downlink	11:16:09.655	CCCH	PAGING_REQUEST_TYPE_1	

Analysis:

- This call failure event occurred on short call at 11:16:09:092 time when UE was latched with 2G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the call failure, UE was latched with ARFCN 25 and RF condition Rx lev -57 dBm and Rx qual 0 dB both are ok.
- Need to check at MT end.

Phase-2 Call Attempt Failure Analysis 3 From MS8 CWS MT

	Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1310.	11:15:47.172	-87	12		1	0			11579.	L3SM	GSM	Uplink	11:16:05.761	SACCH	MEASUREMENT_REPORT
1311.	11:15:47.642	-87	12		1	0			11580.	L3SM	GSM	Downlink	11:16:06.112	SACCH	SYSTEM_INFORMATION_TYPE_6
1312.	11:15:48.582	-85	12		1	0			11581.	L3SM	GSM	Uplink	11:16:06.232	SACCH	MEASUREMENT_REPORT
1313.	11:15:49.188	-84	12		1	0			11582.	L3SM	GSM	Downlink	11:16:06.583	SACCH	SYSTEM_INFORMATION_TYPE_5
1314.	11:15:49.845	-84	12		1	0			11583.	L3SM	GSM	Uplink	11:16:06.703	SACCH	MEASUREMENT_REPORT
1315.	11:15:50.847	-81	12		1	0			11584.	L3SM	GSM	Downlink	11:16:07.054	SACCH	SYSTEM_INFORMATION_TYPE_5TER
1316.	11:15:51.846	-78	12		1	0			11585.	L3SM	GSM	Uplink	11:16:07.174	SACCH	MEASUREMENT_REPORT
1317.	11:15:52.348	-74	12		1	0			11586.	L3SM	GSM	Downlink	11:16:07.524	SACCH	SYSTEM_INFORMATION_TYPE_6
1318.	11:15:52.849	-74	12		1	0			11587.	L3SM	GSM	Uplink	11:16:07.644	SACCH	MEASUREMENT_REPORT
1319.	11:15:53.409	-71	12		1	0			11588.	L3SM	GSM	Downlink	11:16:07.921	DCCH	IDENTITY_REQUEST
1320.	11:15:54.232	-68	12		1	0			11589.	L3SM	GSM	Uplink	11:16:07.922	DCCH	IDENTITY_RESPONSE
1321.	11:15:55.190	-65	12		1	0			11590.	L3SM	GSM	Downlink	11:16:07.995	SACCH	SYSTEM_INFORMATION_TYPE_5
1322.	11:15:56.583	-63	12		1	0			11591.	L3SM	GSM	Uplink	11:16:08.115	SACCH	MEASUREMENT_REPORT
1323.	11:15:57.524	-60	12		1	0			11592.	L3SM	GSM	Downlink	11:16:08.392	DCCH	IDENTITY_REQUEST
1324.	11:15:57.998	-58	12		1	0			11593.	L3SM	GSM	Uplink	11:16:08.392	DCCH	IDENTITY_RESPONSE
1325.	11:15:58.878	-58	12		1	0			11594.	L3SM	GSM	Downlink	11:16:08.466	SACCH	SYSTEM_INFORMATION_TYPE_5TER
1326.	11:16:05.291						0		11595.	L3SM	GSM	Uplink	11:16:08.586	SACCH	MEASUREMENT_REPORT
1327.	11:16:05.333	-48	12	40	1				11596.	L3SM	GSM	Downlink	11:16:08.628	DCCH	MM_STATUS
1328.	11:16:06.112	-48	12	40	1				11597.	L3SM	GSM	Downlink	11:16:08.863	DCCH	IDENTITY_REQUEST
1329.	11:16:06.273	-48	12	40	1				11598.	L3SM	GSM	Uplink	11:16:08.863	DCCH	IDENTITY_RESPONSE
1330.	11:16:07.215	-48	12	40	1				11599.	L3SM	GSM	Downlink	11:16:08.937	SACCH	SYSTEM_INFORMATION_TYPE_6
1331.	11:16:08.157	-48	12	40	1				11600.	L3SM	GSM	Uplink	11:16:09.057	SACCH	MEASUREMENT_REPORT
1332.	11:16:09.336	-48	12	40	1				11601.	L3SM	GSM	Downlink	11:16:09.098	DCCH	CIPHERING_MODE_COMMAND
1333.	11:16:09.845	-59	12	40	1				11602.	L3SM	GSM	Uplink	11:16:09.103	DCCH	CIPHERING_MODE_COMPLETE
1334.	11:16:09.845								11603.	L3SM	GSM	Downlink	11:16:09.334	DCCH	LOCATION_UPDATING_ACCEPT
1335.	11:16:10.849	-59	12	40	1	0			11604.	L3SM	GSM	Uplink	11:16:09.334	DCCH	TMSI_REALLOCATION_COMPLETE
1336.	11:16:11.444	-50	12	40	1	0			11605.	L3SM	GSM	Downlink	11:16:09.407	SACCH	SYSTEM_INFORMATION_TYPE_5
1337.	11:16:12.036	-48	12	40	1	0			11606.	L3SM	GSM	Uplink	11:16:09.528	SACCH	MEASUREMENT_REPORT
1338.	11:16:12.216	-49	12	40	1	0			11607.	L3SM	GSM	Downlink	11:16:09.569	DCCH	CHANNEL_RELEASE
1339.	11:16:12.884	-50	12	40	1	0			11608.	L3SM	GSM	Downlink	11:16:09.960	BCCH	SYSTEM_INFORMATION_TYPE_3
1340.	11:16:13.245	-50	12	40	1	0			11609.	L3SM	GSM	Downlink	11:16:09.980	BCCH	SYSTEM_INFORMATION_TYPE_1
1341.	11:16:14.004	-52	12	40	1	0			11610.	L3SM	GSM	Downlink	11:16:09.980	BCCH	SYSTEM_INFORMATION_TYPE_2
1342.	11:16:14.945	-52	12	40	1	0			11611.	L3SM	GSM	Downlink	11:16:09.980	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
1343.	11:16:15.887	-52	12	40	1	0			11612.	L3SM	GSM	Downlink	11:16:09.980	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
1344.	11:16:51.426						0		11613.	L3SM	GSM	Downlink	11:16:09.980	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
1345.	11:16:52.266	-83	12	40	1				11614.	L3SM	GSM	Downlink	11:16:09.980	BCCH	SYSTEM_INFORMATION_TYPE_13
1346.	11:16:52.427	-84	12	40	1				11615.	L3SM	GSM	Downlink	11:16:09.980	BCCH	SYSTEM_INFORMATION_TYPE_4

Analysis:

- During the call failure, UE was latched with ARFCN 12 and RF condition Rx lev -48 dBm and Rx qual 0 dB both are ok.
- On both MO And MT Side, RF Conditions seems OK Also there is no abnormal message regarding failure.
- Need to check from Network End.

Phase-2 Call Attempt Failure Analysis 4 From MS7 CWS MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ▲	Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	10:33:03.448	GSM	900	Dro	4659. -117.4	11:43:48.851	10690	104		20036. RRCSM	UMTS FDD	Uplink	11:43:43.748	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
2.	11:14:23.465	GSM	900	Tim	4660. -117.4	11:43:48.851	10690	104	-17.5	20037. RRCSM	UMTS FDD	Downlink	11:43:43.996	DCCH	MEASUREMENT_CONTROL
3.	11:16:09.092	GSM	900	Noi	4661. -117.4	11:43:49.157	10690	104		20038. RRCSM	UMTS FDD	Downlink	11:43:44.156	DCCH	MEASUREMENT_CONTROL
4.	11:43:50.938	UMTS FDD	2100	Dro	4662. -117.4	11:43:49.157	10690	104	-17.5	20039. RRCSM	UMTS FDD	Uplink	11:43:44.329	DCCH	MEASUREMENT_REPORT
5.	12:00:57.388	UMTS FDD	2100	Call	4663. -117.4	11:43:49.347	10690	104		20040. RRCSM	UMTS FDD	Uplink	11:43:44.347	DCCH	MEASUREMENT_REPORT
					4664. -117.4	11:43:49.347	10690	104	-17.5	20041. RRCSM	UMTS FDD	Downlink	11:43:44.556	DCCH	MEASUREMENT_CONTROL
					4665. -117.4	11:43:49.758	10690	104		20042. RRCSM	UMTS FDD	Uplink	11:43:44.847	DCCH	MEASUREMENT_REPORT
					4666. -117.4	11:43:49.758	10690	104	-17.5	20043. RRCSM	UMTS FDD	Uplink	11:43:45.157	DCCH	MEASUREMENT_REPORT
					4667. -115.6	11:43:49.768	10690	104		20044. RRCSM	UMTS FDD	Uplink	11:43:45.347	DCCH	MEASUREMENT_REPORT
					4668. -115.6	11:43:49.768	10690	104	-16.3	20045. RRCSM	UMTS FDD	Uplink	11:43:45.837	DCCH	MEASUREMENT_REPORT
					4669. -115.6	11:43:49.847	10690	104		20046. RRCSM	UMTS FDD	Uplink	11:43:45.847	DCCH	MEASUREMENT_REPORT
					4670. -113.2	11:43:49.847	10690	104	-16.3	20047. RRCSM	UMTS FDD	Uplink	11:43:46.157	DCCH	MEASUREMENT_REPORT
					4671. -113.2	11:43:49.852	10690	104		20048. RRCSM	UMTS FDD	Uplink	11:43:46.347	DCCH	MEASUREMENT_REPORT
					4672. -113.2	11:43:49.852	10690	104	-14.7	20049. RRCSM	UMTS FDD	Uplink	11:43:46.847	DCCH	MEASUREMENT_REPORT
					4673. -113.2	11:43:50.157	10690	104		20050. RRCSM	UMTS FDD	Uplink	11:43:47.157	DCCH	MEASUREMENT_REPORT
					4674. -113.2	11:43:50.157	10690	104	-14.7	20051. RRCSM	UMTS FDD	Uplink	11:43:47.347	DCCH	MEASUREMENT_REPORT
					4675. -113.2	11:43:50.347	10690	104		20052. RRCSM	UMTS FDD	Uplink	11:43:47.847	DCCH	MEASUREMENT_REPORT
					4676. -117.9	11:43:50.347	10690	104	-14.7	20053. RRCSM	UMTS FDD	Uplink	11:43:48.157	DCCH	MEASUREMENT_REPORT
					4677. -117.9	11:43:50.740	10690	104		20054. RRCSM	UMTS FDD	Uplink	11:43:48.347	DCCH	MEASUREMENT_REPORT
					4678. -117.9	11:43:50.740	10690	104	-18	20055. RRCSM	UMTS FDD	Uplink	11:43:48.847	DCCH	MEASUREMENT_REPORT
					4679. -117.9	11:43:50.938	10690	104		20056. RRCSM	UMTS FDD	Uplink	11:43:49.157	DCCH	MEASUREMENT_REPORT
					4680. -117.9	11:43:50.938	10690	104	-18	20057. RRCSM	UMTS FDD	Uplink	11:43:49.347	DCCH	MEASUREMENT_REPORT
					4681. -117.9	11:43:51.157	10690	104		20058. RRCSM	UMTS FDD	Uplink	11:43:49.758	DCCH	MEASUREMENT_REPORT
					4682. -118.6	11:43:51.157	10690	104	-18	20059. RRCSM	UMTS FDD	Uplink	11:43:49.847	DCCH	MEASUREMENT_REPORT
					4683. -118.6	11:43:51.158	10690	104		20060. RRCSM	UMTS FDD	Uplink	11:43:50.157	DCCH	MEASUREMENT_REPORT
					4684. -118.6	11:43:51.158	10690	104	-18.7	20061. RRCSM	UMTS FDD	Uplink	11:43:50.347	DCCH	MEASUREMENT_REPORT
					4685. -118.6	11:43:51.347	10690	104		20062. RRCSM	UMTS FDD	Downlink	11:43:50.596	DCCH	DOWNLINK_DIRECT_TRANSFER
					4686. -118.6	11:43:51.347	10690	104	-18.7	20063. L3SM	UMTS FDD	Downlink	11:43:50.596	DCCH	DISCONNECT
					4687. -118.6	11:43:51.757	10690	104		20064. RRCSM	UMTS FDD	Uplink	11:43:50.772	DCCH	UPLINK_DIRECT_TRANSFER
					4688. -118.6	11:43:51.757	10690	104	-18.7	20065. L3SM	UMTS FDD	Uplink	11:43:50.772	DCCH	RELEASE
					4689. -118.6	11:43:51.858	10690	104		20066. RRCSM	UMTS FDD	Uplink	11:43:50.938	DCCH	MEASUREMENT_REPORT
					4690. -115.5	11:43:51.858	10690	104	-18.7	20067. RRCSM	UMTS FDD	Downlink	11:43:51.116	DCCH	RADIO_BEARER_RELEASE
					4691. -115.5	11:43:51.908	10690	104		20068. RRCSM	UMTS FDD	Downlink	11:43:51.156	DCCH	DOWNLINK_DIRECT_TRANSFER
					4692. -115.5	11:43:51.908	10690	104	-15.6	20069. L3SM	UMTS FDD	Downlink	11:43:51.156	DCCH	RELEASE_COMPLETE
					4693. -115.5	11:43:51.977	10690	104		20070. RRCSM	UMTS FDD	Uplink	11:43:51.157	DCCH	MEASUREMENT_REPORT
					4694. -119.5	11:43:51.977	10690	104	-15.6	20071. RRCSM	UMTS FDD	Uplink	11:43:51.347	DCCH	MEASUREMENT_REPORT
					4695. -119.5	11:43:52.079	10690	104		20072. RRCSM	UMTS FDD	Uplink	11:43:51.757	DCCH	MEASUREMENT_REPORT

Analysis:

- This call failure event occurred on short call at 11:43:50:938 time when UE was latched with 3G network.
- During the call failure UE send "CM Service Request " and "Setup" message to core network. Then call setup has been failed.
- During the setup fail, UE was latched with PSC 104 and RF condition RSCP -117.9 dBm and Ec/No -18 dB both are poor.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

Phase-2 Call Attempt Failure Analysis 5 From MS7 CWS MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ▲	Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	10:33:03.448	GSM	900	Dro	7696. -92	12:00:51.842	10690	105		23761.	RRCSM	UMTS FDD	Uplink	12:00:52.581	DCCH	MEASUREMENT_REPORT
2.	11:14:23.465	GSM	900	Tim	7697.	12:00:51.842	10690	105	-9.2	23762.	RRCSM	UMTS FDD	Uplink	12:00:53.270	DCCH	MEASUREMENT_REPORT
3.	11:16:09.092	GSM	900	Nor	7698. -92	12:00:52.281	10690	105		23763.	RRCSM	UMTS FDD	Uplink	12:00:54.492	DCCH	MEASUREMENT_REPORT
4.	11:43:50.938	UMTS FDD	2100	Dro	7699.	12:00:52.281	10690	105	-5.3	23764.	RRCSM	UMTS FDD	Downlink	12:00:54.788	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
5.	12:00:57.388	UMTS FDD	2100	Cal	7700. -92	12:00:52.711	10690	105		23765.	RRCSM	UMTS FDD	Uplink	12:00:55.270	DCCH	MEASUREMENT_REPORT
					7701.	12:00:52.711	10690	105	-5.3	23766.	RRCSM	UMTS FDD	Uplink	12:00:55.600	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					7702. -92.5	12:00:53.371	10690	105		23767.	RRCSM	UMTS FDD	Downlink	12:00:55.909	DCCH	MEASUREMENT_CONTROL
					7703.	12:00:53.371	10690	105	-4.3	23768.	RRCSM	UMTS FDD	Uplink	12:00:56.260	DCCH	MEASUREMENT_REPORT
					7704. -92.1	12:00:53.785	10690	105		23769.	RRCSM	UMTS FDD	Downlink	12:00:56.669	DCCH	DOWNLINK_DIRECT_TRANSFER
					7705.	12:00:53.785	10690	105	-4.8	23770.	L3SM	UMTS FDD	Downlink	12:00:56.669	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					7706. -94.1	12:00:54.511	10690	105		23771.	RRCSM	UMTS FDD	Uplink	12:00:56.671	DCCH	UPLINK_DIRECT_TRANSFER
					7707.	12:00:54.511	10690	105	-5.2	23772.	L3SM	UMTS FDD	Uplink	12:00:56.671	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					7708. -91.9	12:00:55.052	10690	105		23773.	RRCSM	UMTS FDD	Downlink	12:00:56.748	DCCH	DOWNLINK_DIRECT_TRANSFER
					7709.	12:00:55.052	10690	105	-4.3	23774.	L3SM	UMTS FDD	Downlink	12:00:56.748	DCCH	MODIFY_PDP_CONTEXT_REQUEST
					7710. -95	12:00:55.554	10690	105		23775.	RRCSM	UMTS FDD	Uplink	12:00:56.749	DCCH	UPLINK_DIRECT_TRANSFER
					7711.	12:00:55.554	10690	105	-5.2	23776.	L3SM	UMTS FDD	Uplink	12:00:56.749	DCCH	MODIFY_PDP_CONTEXT_ACCEPT
					7712. -92.7	12:00:56.022	10690	105		23777.	RRCSM	UMTS FDD	Uplink	12:00:56.760	DCCH	MEASUREMENT_REPORT
					7713.	12:00:56.022	10690	105	-5.1	23778.	RRCSM	UMTS FDD	Uplink	12:00:57.260	DCCH	MEASUREMENT_REPORT
					7714. -90.9	12:00:56.561	10690	105		23779.	RRCSM	UMTS FDD	Uplink	12:00:57.270	DCCH	MEASUREMENT_REPORT
					7715.	12:00:56.561	10690	105	-5.1	23780.	RRCSM	UMTS FDD	Uplink	12:00:57.290	DCCH	MEASUREMENT_REPORT
					7716. -89.6	12:00:57.061	10690	105		23781.	RRCSM	UMTS FDD	Downlink	12:00:57.388	DCCH	DOWNLINK_DIRECT_TRANSFER
					7717.	12:00:57.061	10690	105	-4.8	23782.	L3SM	UMTS FDD	Downlink	12:00:57.388	DCCH	DISCONNECT
					7718. -90.3	12:00:57.570	10690	105		23783.	RRCSM	UMTS FDD	Uplink	12:00:57.389	DCCH	UPLINK_DIRECT_TRANSFER
					7719.	12:00:57.570	10690	105	-4.4	23784.	L3SM	UMTS FDD	Uplink	12:00:57.389	DCCH	RELEASE
					7720. -90.3	12:00:57.770	10690	105		23785.	RRCSM	UMTS FDD	Uplink	12:00:57.461	DCCH	MEASUREMENT_REPORT
					7721.	12:00:57.770	10690	105	-4.4	23786.	RRCSM	UMTS FDD	Downlink	12:00:57.668	DCCH	DOWNLINK_DIRECT_TRANSFER
					7722. -90.3	12:00:57.868	10690	105		23787.	L3SM	UMTS FDD	Downlink	12:00:57.668	DCCH	RELEASE_COMPLETE
					7723.	12:00:57.868	10690	105	-4.4	23788.	RRCSM	UMTS FDD	Uplink	12:00:57.770	DCCH	MEASUREMENT_REPORT
					7724. -101.1	12:00:58.051	10690	105		23789.	RRCSM	UMTS FDD	Downlink	12:00:57.829	DCCH	SIGNALLING_CONNECTION_RELEASE
					7725.	12:00:58.051	10690	105	-6.4	23790.	RRCSM	UMTS FDD	Uplink	12:00:57.830	DCCH	INITIAL_DIRECT_TRANSFER
					7726. -93.5	12:00:58.570	10690	105		23791.	L3SM	UMTS FDD	Uplink	12:00:57.830	DCCH	LOCATION_UPDATING_REQUEST
					7727.	12:00:58.570	10690	105	-5	23792.	RRCSM	UMTS FDD	Downlink	12:00:57.868	DCCH	MEASUREMENT_CONTROL
					7728. -94.2	12:00:59.081	10690	105		23793.	RRCSM	UMTS FDD	Downlink	12:00:58.148	DCCH	DOWNLINK_DIRECT_TRANSFER
					7729.	12:00:59.081	10690	105	-5.4	23794.	L3SM	UMTS FDD	Downlink	12:00:58.148	DCCH	IDENTITY_REQUEST
					7730. -99.7	12:00:59.570	10690	105		23795.	RRCSM	UMTS FDD	Uplink	12:00:58.149	DCCH	UPLINK_DIRECT_TRANSFER
					7731.	12:00:59.570	10690	105	-5.9	23796.	L3SM	UMTS FDD	Uplink	12:00:58.149	DCCH	IDENTITY_RESPONSE
					7732. -102	12:01:00.078	10690	105		23797.	RRCSM	UMTS FDD	Downlink	12:00:58.468	DCCH	DOWNLINK DIRECT TRANSFER

Analysis:

- This call failure event occurred on short call at 12:00:57:388 time when UE was latched with 3G network.
- During the call failure UE send "CM Service Request " and "Setup" message to core network. Then call setup has been failed.
- During the setup fail, UE was latched with PSC 105 and RF condition RSCP -89.6 dBm and ECNO -4.8 dB both are good.
- Need to check MT End.

Phase-2 Call Attempt Failure Analysis 5 From MS8 CWS MT

	1. best active RSCP	Time	Ch	SC	1. best act ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name
4756.	-81.1	12:00:17.324	10690	105		21474.	RRCSM	UMTS FDD	Downlink	12:00:56.091	DCCH	MEASUREMENT_CONTROL
4757.		12:00:17.324	10690	105	-3.1	21475.	RRCSM	UMTS FDD	Downlink	12:00:56.131	DCCH	MEASUREMENT_CONTROL
4758.	-85.9	12:00:18.002	10690	105		21476.	RRCSM	UMTS FDD	Downlink	12:00:56.171	DCCH	MEASUREMENT_CONTROL
4759.		12:00:18.002	10690	105	-3.7	21477.	RRCSM	UMTS FDD	Downlink	12:00:56.211	DCCH	MEASUREMENT_CONTROL
4760.	-81.7	12:00:18.670	10690	105		21478.	RRCSM	UMTS FDD	Downlink	12:00:56.251	DCCH	MEASUREMENT_CONTROL
4761.		12:00:18.670	10690	105	-3.3	21479.	RRCSM	UMTS FDD	Downlink	12:00:56.291	DCCH	SECURITY_MODE_COMMAND
4762.	-83.3	12:00:19.072	10690	105		21480.	RRCSM	UMTS FDD	Uplink	12:00:56.292	DCCH	SECURITY_MODE_COMPLETE
4763.		12:00:19.072	10690	105	-4.4	21481.	RRCSM	UMTS FDD	Downlink	12:00:56.611	DCCH	DOWNLINK_DIRECT_TRANSFER
4764.	-84.6	12:00:19.772	10690	105		21482.	L3SM	UMTS FDD	Downlink	12:00:56.611	DCCH	TMSI_REALLOCATION_COMMAND
4765.		12:00:19.772	10690	105	-3.6	21483.	RRCSM	UMTS FDD	Uplink	12:00:56.613	DCCH	UPLINK_DIRECT_TRANSFER
4766.	-97	12:00:54.454	10690	105		21484.	L3SM	UMTS FDD	Uplink	12:00:56.613	DCCH	TMSI_REALLOCATION_COMPLETE
4767.		12:00:54.454	10690	105	-6.5	21485.	RRCSM	UMTS FDD	Downlink	12:00:56.891	DCCH	DOWNLINK_DIRECT_TRANSFER
4768.	-97	12:00:54.857	10690	105		21486.	L3SM	UMTS FDD	Downlink	12:00:56.891	DCCH	SETUP
4769.		12:00:54.857	10690	105	-5.4	21487.	RRCSM	UMTS FDD	Uplink	12:00:56.893	DCCH	MEASUREMENT_REPORT
4770.	-97	12:00:55.533	10690	105		21488.	RRCSM	UMTS FDD	Uplink	12:00:56.894	DCCH	UPLINK_DIRECT_TRANSFER
4771.		12:00:55.533	10690	105	-5.7	21489.	L3SM	UMTS FDD	Uplink	12:00:56.894	DCCH	CALL_CONFIRMED
4772.	-97	12:00:56.024	10690	105		21490.	RRCSM	UMTS FDD	Uplink	12:00:56.894	DCCH	UPLINK_DIRECT_TRANSFER
4773.		12:00:56.024	10690	105	-5.7	21491.	L3SM	UMTS FDD	Uplink	12:00:56.894	DCCH	ALERTING
4774.	-97	12:00:56.574	10690	105		21492.	RRCSM	UMTS FDD	Uplink	12:00:57.114	DCCH	MEASUREMENT_REPORT
4775.		12:00:56.574	10690	105	-5.9	21493.	RRCSM	UMTS FDD	Uplink	12:00:57.124	DCCH	UPLINK_DIRECT_TRANSFER
4776.	-97	12:00:57.062	10690	105		21494.	L3SM	UMTS FDD	Uplink	12:00:57.124	DCCH	CONNECT
4777.		12:00:57.062	10690	105	-6.2	21495.	RRCSM	UMTS FDD	Uplink	12:00:57.344	DCCH	MEASUREMENT_REPORT
4778.	-97	12:00:57.434	10690	105		21496.	RRCSM	UMTS FDD	Downlink	12:00:57.411	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
4779.		12:00:57.434	10690	105	-6.9	21497.	RRCSM	UMTS FDD	Downlink	12:00:57.531	DCCH	DOWNLINK_DIRECT_TRANSFER
4780.	-97	12:00:58.053	10690	105		21498.	L3SM	UMTS FDD	Downlink	12:00:57.531	DCCH	DISCONNECT
4781.		12:00:58.053	10690	105	-7.3	21499.	RRCSM	UMTS FDD	Uplink	12:00:57.532	DCCH	UPLINK_DIRECT_TRANSFER
4782.	-93.7	12:00:58.514	10690	105		21500.	L3SM	UMTS FDD	Uplink	12:00:57.532	DCCH	RELEASE
4783.		12:00:58.514	10690	105	-3.9	21501.	RRCSM	UMTS FDD	Uplink	12:00:58.053	DCCH	MEASUREMENT_REPORT
4784.	-91.1	12:00:59.134	10690	105		21502.	RRCSM	UMTS FDD	Uplink	12:00:58.220	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
4785.		12:00:59.134	10690	105	-4.8	21503.	RRCSM	UMTS FDD	Downlink	12:00:58.531	DCCH	MEASUREMENT_CONTROL
4786.	-98.5	12:00:59.584	10690	105		21504.	RRCSM	UMTS FDD	Uplink	12:00:58.873	DCCH	MEASUREMENT_REPORT
4787.		12:00:59.584	10690	105	-5.3	21505.	RRCSM	UMTS FDD	Downlink	12:00:59.291	DCCH	SIGNALLING_CONNECTION_RELEASE
4788.	-104.7	12:01:00.226	10690	105		21506.	RRCSM	UMTS FDD	Uplink	12:00:59.293	DCCH	INITIAL_DIRECT_TRANSFER
4789.		12:01:00.226	10690	105	-9.5	21507.	L3SM	UMTS FDD	Uplink	12:00:59.293	DCCH	LOCATION_UPDATING_REQUEST
4790.	-104.7	12:01:00.383	10690	105		21508.	RRCSM	UMTS FDD	Uplink	12:00:59.373	DCCH	MEASUREMENT_REPORT
4791.		12:01:00.383	10690	105	-9.5	21509.	RRCSM	UMTS FDD	Downlink	12:00:59.651	DCCH	DOWNLINK_DIRECT_TRANSFER

Analysis:

- During the setup fail, UE was latched with PSC 105 and RF condition RSCP -97 dBm and ECNO -6.2 dB both are good.
- On both MO And MT Side, RF Conditions seems OK Also there is no abnormal message regarding failure.
- Need to check from Network End.

Phase-2 Call Drop Analysis 1 From MS9 Airtel MO

	Time	System	Serving band	C	1. best active RSCP	Time	Ch	SC	1. best : Δ	Event ID	System	Transf. dir.	Time	Subchannel	Message name		
1.	11:14:12.065	UMTS FDD	900	V	7239.	11:14:05.628	3050	148	-21.7	3568.	RRCSM	UMTS FDD	Uplink	11:13:48.165	DCCH	MEASUREMENT_REPORT	
2.	12:00:32.831	GSM	900	V	7240.	-106.2	11:14:05.848	3050	148	3569.	RRCSM	UMTS FDD	Downlink	11:13:48.185	DCCH	SECURITY_MODE_COMMAND	
3.	12:03:54.554	GSM	900	V	7241.		11:14:05.848	3050	148	-25.2	3570.	RRCSM	UMTS FDD	Uplink	11:13:48.185	DCCH	SECURITY_MODE_COMPLETE
					7242.	-97.1	11:14:06.654	3050	148	3571.	RRCSM	UMTS FDD	Uplink	11:13:48.415	DCCH	MEASUREMENT_REPORT	
					7243.		11:14:06.654	3050	148	-16.8	3572.	RRCSM	UMTS FDD	Downlink	11:13:48.625	DCCH	DOWNLINK_DIRECT_TRANSFER
					7244.	-104.5	11:14:06.848	3050	148	3573.	L3SM	UMTS FDD	Downlink	11:13:48.625	DCCH	ROUTING_AREA_UPDATE_ACCEPT	
					7245.		11:14:06.848	3050	148	-23.7	3574.	RRCSM	UMTS FDD	Uplink	11:13:48.626	DCCH	UPLINK_DIRECT_TRANSFER
					7246.	-104.5	11:14:07.356	3050	148	3575.	L3SM	UMTS FDD	Uplink	11:13:48.626	DCCH	ROUTING_AREA_UPDATE_COMPLETE	
					7247.		11:14:07.356	3050	148	-23.7	3576.	RRCSM	UMTS FDD	Downlink	11:13:48.945	DCCH	DOWNLINK_DIRECT_TRANSFER
					7248.	-107.5	11:14:07.436	3050	148	3577.	L3SM	UMTS FDD	Downlink	11:13:48.945	DCCH	GMM_INFO	
					7249.	-104.2	11:14:08.157	3050	148	3578.	RRCSM	UMTS FDD	Downlink	11:13:49.225	DCCH	SIGNALLING_CONNECTION_RELEASE	
					7250.		11:14:08.157	3050	148	-24.3	3579.	RRCSM	UMTS FDD	Uplink	11:13:55.497	DCCH	MEASUREMENT_REPORT
					7251.	-105.5	11:14:08.778	3050	148	3580.	RRCSM	UMTS FDD	Downlink	11:13:55.825	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION	
					7252.		11:14:08.778	3050	148	-24.8	3581.	RRCSM	UMTS FDD	Uplink	11:13:55.866	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					7253.	-106.9	11:14:09.218	3050	148	3582.	RRCSM	UMTS FDD	Downlink	11:13:56.185	DCCH	MEASUREMENT_CONTROL	
					7254.		11:14:09.218	3050	148	-25.2	3583.	RRCSM	UMTS FDD	Uplink	11:13:57.217	DCCH	MEASUREMENT_REPORT
					7255.	-105.5	11:14:09.774	3050	148	3584.	RRCSM	UMTS FDD	Uplink	11:14:00.225	DCCH	MEASUREMENT_REPORT	
					7256.		11:14:09.774	3050	148	-24.4	3585.	RRCSM	UMTS FDD	Uplink	11:14:03.707	DCCH	MEASUREMENT_REPORT
					7257.	-105	11:14:10.166	3050	148	3586.	RRCSM	UMTS FDD	Uplink	11:14:04.916	DCCH	MEASUREMENT_REPORT	
					7258.		11:14:10.166	3050	148	-25.1	3587.	RRCSM	UMTS FDD	Downlink	11:14:05.224	DCCH	HANDOVER_FROM_UTRAN_COMMAND_GSM
					7259.	-108.8	11:14:10.663	3050	148	3588.	L3SM	UMTS FDD	Downlink	11:14:05.224	DCCH	HANDOVER_COMMAND	
					7260.	-106.1	11:14:11.155	3050	148	3589.	L3SM	GSM	Downlink	11:14:05.271	DCCH	HANDOVER_COMMAND	
					7261.		11:14:11.155	3050	148	-25.4	3590.	RRCSM	UMTS FDD	Uplink	11:14:05.749	DCCH	HANDOVER_FROM_UTRAN_FAILURE
					7262.	-104.2	11:14:11.778	3050	148	3591.	RRCSM	UMTS FDD	Uplink	11:14:07.356	DCCH	MEASUREMENT_REPORT	
					7263.		11:14:11.778	3050	148	-24.7	3592.	RRCSM	UMTS FDD	Downlink	11:14:12.064	DCCH	DOWNLINK_DIRECT_TRANSFER
					7264.	-105.5	11:14:12.248	3050	148	3593.	L3SM	UMTS FDD	Downlink	11:14:12.064	DCCH	DISCONNECT	
					7265.		11:14:12.248	3050	148	-24.1	3594.	RRCSM	UMTS FDD	Uplink	11:14:12.065	DCCH	UPLINK_DIRECT_TRANSFER
					7266.	-103	11:14:12.786	3050	148	3595.	L3SM	UMTS FDD	Uplink	11:14:12.065	DCCH	RELEASE	
					7267.		11:14:12.786	3050	148	-22.3	3596.	RRCSM	UMTS FDD	Uplink	11:14:12.075	DCCH	MEASUREMENT_REPORT
					7268.	-117.6	11:14:18.367	10588	148	3597.	RRCSM	UMTS FDD	Downlink	11:14:12.304	DCCH	HANDOVER_FROM_UTRAN_COMMAND_GSM	
					7269.		11:14:18.367	10588	148	-19.5	3598.	L3SM	UMTS FDD	Downlink	11:14:12.304	DCCH	HANDOVER_COMMAND
					7270.	-114.5	11:14:19.788	10562	148	3599.	L3SM	GSM	Downlink	11:14:12.322	DCCH	HANDOVER_COMMAND	
					7271.		11:14:19.788	10562	148	-18.1	3600.	RRCSM	UMTS FDD	Downlink	11:14:12.703	BCCH_BCH	SYSTEM_INFORMATION_BCH
					7272.	-113.3	11:14:20.126	10562	148	3601.	RRCSM	UMTS FDD	Downlink	11:14:12.723	BCCH_BCH	SYSTEM_INFORMATION_BCH	
					7273.		11:14:20.126	10562	148	-15.2	3602.	RRCSM	UMTS FDD	Downlink	11:14:12.723	BCCH	MASTER_INFORMATION_BLOCK
					7274.	-110.9	11:14:20.847	10562	148	3603.	RRCSM	UMTS FDD	Downlink	11:14:12.844	BCCH_BCH	SYSTEM_INFORMATION_BCH	

Analysis:

- This call drop event occurred on long call at 11:14:12:065 time when UE was latched with 3G network.
- After getting Alerting message at 11:13:47:385 time than Call drop happened.
- During the session UE was latched with PSC 148 and RF condition RSCP -106.1 dBm and Ec/No -25.4 dB both are poor.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-2 Call Drop Analysis 2 From MS9 Airtel MO

	Time	System	Serving band	C		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ 51 ▲		System	Transf. dir.	Time	Subchannel	Message name
1.	11:14:12.065	UMTS FDD	900	V	264.	11:21:05.120				1	0		7706.	UMTS FDD	Uplink	12:00:26.782	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
2.	12:00:32.831	GSM	900	V	265.	11:21:05.899				1	0		7707.	UMTS FDD	Downlink	12:00:27.101	DCCH	MEASUREMENT_CONTROL
3.	12:03:54.554	GSM	900	V	266.	11:21:07.311				1	0		7708.	UMTS FDD	Uplink	12:00:28.897	DCCH	MEASUREMENT_REPORT
					267.	11:21:07.851				1	0		7709.	UMTS FDD	Downlink	12:00:29.220	DCCH	HANDOVER_FROM_UTRAN_COMMAND_GSM
					268.	11:21:08.853	-92	17		1	0		7710.	UMTS FDD	Downlink	12:00:29.220	DCCH	HANDOVER_COMMAND
					269.	11:21:09.853	-95	17		1	0		7711.	GSM	Downlink	12:00:29.238	DCCH	HANDOVER_COMMAND
					270.	11:21:10.853	-96	17		1	0		7712.	GSM	Downlink	12:00:29.368	DCCH	PHYSICAL_INFORMATION
					271.	11:21:11.853	-96	17		1	0		7713.	GSM	Uplink	12:00:29.368	DCCH	HANDOVER_COMPLETE
					272.	11:21:15.917				1	0		7714.	GSM	Downlink	12:00:29.447	DCCH	PHYSICAL_INFORMATION
					273.	12:00:29.622						3	7715.	GSM	Uplink	12:00:29.497	DCCH	GPRS_SUSPENSION_REQUEST
					274.	12:00:29.859	-111	100	40	62000	4		7716.	GSM	Uplink	12:00:29.622	SACCH	MEASUREMENT_REPORT
					275.	12:00:30.103						4	7717.	GSM	Downlink	12:00:30.057	SACCH	MEASUREMENT_INFORMATION
					276.	12:00:30.540	-87	100	40	50000	4		7718.	GSM	Uplink	12:00:30.103	SACCH	MEASUREMENT_REPORT
					277.	12:00:30.582						6	7719.	GSM	Downlink	12:00:30.536	SACCH	SYSTEM_INFORMATION_TYPE_6
					278.	12:00:30.858	-91	100	40	50000	4		7720.	GSM	Uplink	12:00:30.582	SACCH	MEASUREMENT_REPORT
					279.	12:00:31.062						5	7721.	GSM	Downlink	12:00:31.016	SACCH	SYSTEM_INFORMATION_TYPE_5
					280.	12:00:31.543	-90	100	40	50000	4		7722.	GSM	Uplink	12:00:31.062	SACCH	MEASUREMENT_REPORT
					281.	12:00:31.543						6	7723.	GSM	Downlink	12:00:31.496	SACCH	MEASUREMENT_INFORMATION
					282.	12:00:32.184	-92	100	40	50000	4		7724.	GSM	Uplink	12:00:31.543	SACCH	MEASUREMENT_REPORT
					283.	12:00:32.857	-93	100	40	50000	4		7725.	GSM	Downlink	12:00:31.976	SACCH	SYSTEM_INFORMATION_TYPE_6
					284.	12:00:33.370	-90	100	40	50000	4		7726.	GSM	Uplink	12:00:32.023	SACCH	MEASUREMENT_REPORT
					285.	12:00:33.370							7727.	GSM	Downlink	12:00:32.456	SACCH	SYSTEM_INFORMATION_TYPE_5
					286.	12:00:33.864	-90	100	40	50000	4		7728.	GSM	Uplink	12:00:32.503	SACCH	MEASUREMENT_REPORT
					287.	12:00:37.313				50000	4		7729.	GSM	Downlink	12:00:32.830	DCCH	DISCONNECT
					288.	12:00:38.254				50000	4		7730.	GSM	Uplink	12:00:32.831	DCCH	RELEASE
					289.	12:00:41.855				50000	1		7731.	GSM	Downlink	12:00:32.936	SACCH	MEASUREMENT_INFORMATION
					290.	12:00:41.942						7	7732.	GSM	Uplink	12:00:32.982	SACCH	MEASUREMENT_REPORT
					291.	12:00:42.413						6	7733.	GSM	Downlink	12:00:33.250	DCCH	RELEASE_COMPLETE
					292.	12:00:42.438	-89	111	40	50000	1		7734.	GSM	Downlink	12:00:33.370	DCCH	CHANNEL_RELEASE
					293.	12:00:42.943	-89	111	40	50000	1		7735.	GSM	Downlink	12:00:34.140	BCCH	SYSTEM_INFORMATION_TYPE_4
					294.	12:00:42.943							7736.	GSM	Downlink	12:00:34.375	BCCH	SYSTEM_INFORMATION_TYPE_3
					295.	12:00:43.665	-93	111	40	50000	1		7737.	GSM	Downlink	12:00:34.395	BCCH	SYSTEM_INFORMATION_TYPE_4
					296.	12:00:43.951	-93	111	40	50000	1		7738.	GSM	Downlink	12:00:34.395	BCCH	SYSTEM_INFORMATION_TYPE_3
					297.	12:00:44.436	-93	111	40	50000	1		7739.	GSM	Downlink	12:00:35.314	BCCH	SYSTEM_INFORMATION_TYPE_1
					298.	12:00:44.921	-93	111	40	50000	1		7740.	GSM	Downlink	12:00:35.550	BCCH	SYSTEM_INFORMATION_TYPE_2
					299.	12:00:45.331	-93	111	40	50000	1		7741.	GSM	Downlink	12:00:36.021	BCCH	SYSTEM_INFORMATION_TYPE_4
					300.	12:00:45.945	-93	111	40	50000	1		7742.	GSM	Downlink	12:00:36.514	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER

Analysis:

- This call drop event occurred on long call at 12:00:32:831 time when UE was latched with 2G network.
- After getting Alerting message at 11:59:02:102 time than Call drop happened.
- During the session UE was latched with ARFCN 100 and RF condition Rx Level -92 dBm is poor and Rx Qual 0 dB which is ok.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-2 Call Drop Analysis 3 From MS9 Airtel MO

	Time	System	Serving band	C	Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ 51 ▲	Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	11:14:12.065	UMTS FDD	900	V	608.	12:03:43.201	-94	119	35	50000		8308.	L3SM	GSM	Uplink	12:03:42.015	SACCH	MEASUREMENT_REPORT
2.	12:00:32.831	GSM	900	V	609.	12:03:43.935	-93	119	35	50000		8309.	L3SM	GSM	Uplink	12:03:42.495	SACCH	MEASUREMENT_REPORT
3.	12:03:54.554	GSM	900	V	610.	12:03:44.415	-93	119	35	50000		8310.	L3SM	GSM	Uplink	12:03:42.975	SACCH	MEASUREMENT_REPORT
					611.	12:03:44.941	-93	119	35	50000		8311.	L3SM	GSM	Uplink	12:03:43.455	SACCH	MEASUREMENT_REPORT
					612.	12:03:45.487	-93	119	35	50000		8312.	L3SM	GSM	Uplink	12:03:43.935	SACCH	MEASUREMENT_REPORT
					613.	12:03:45.919	-93	119	35	50000		8313.	L3SM	GSM	Uplink	12:03:44.415	SACCH	MEASUREMENT_REPORT
					614.	12:03:46.340	-94	119	35	50000		8314.	L3SM	GSM	Uplink	12:03:44.895	SACCH	MEASUREMENT_REPORT
					615.	12:03:46.857	-93	119	35	50000		8315.	L3SM	GSM	Uplink	12:03:45.375	SACCH	MEASUREMENT_REPORT
					616.	12:03:47.775	-93	119	35	50000		8316.	L3SM	GSM	Uplink	12:03:45.855	SACCH	MEASUREMENT_REPORT
					617.	12:03:48.794	-93	119	35	50000		8317.	L3SM	GSM	Uplink	12:03:46.335	SACCH	MEASUREMENT_REPORT
					618.	12:03:49.796	-94	119	35	50000		8318.	L3SM	GSM	Uplink	12:03:46.815	SACCH	MEASUREMENT_REPORT
					619.	12:03:50.175	-93	119	35	50000		8319.	L3SM	GSM	Uplink	12:03:47.295	SACCH	MEASUREMENT_REPORT
					620.	12:03:50.792	-93	119	35	50000		8320.	L3SM	GSM	Uplink	12:03:47.775	SACCH	MEASUREMENT_REPORT
					621.	12:03:51.135	-94	119	35	50000		8321.	L3SM	GSM	Uplink	12:03:48.255	SACCH	MEASUREMENT_REPORT
					622.	12:03:51.781	-94	119	35	50000		8322.	L3SM	GSM	Uplink	12:03:48.735	SACCH	MEASUREMENT_REPORT
					623.	12:03:52.302	-93	119	35	50000		8323.	L3SM	GSM	Uplink	12:03:49.215	SACCH	MEASUREMENT_REPORT
					624.	12:03:52.857	-93	119	35	50000		8324.	L3SM	GSM	Uplink	12:03:49.695	SACCH	MEASUREMENT_REPORT
					625.	12:03:53.299	-93	119	35	50000		8325.	L3SM	GSM	Uplink	12:03:50.175	SACCH	MEASUREMENT_REPORT
					626.	12:03:53.855						8326.	L3SM	GSM	Uplink	12:03:50.655	SACCH	MEASUREMENT_REPORT
					627.	12:03:57.261	-86	90	60	50000	1	8327.	L3SM	GSM	Uplink	12:03:51.135	SACCH	MEASUREMENT_REPORT
					628.	12:03:57.982	-86	90	60	50000	1	8328.	L3SM	GSM	Uplink	12:03:51.615	SACCH	MEASUREMENT_REPORT
					629.	12:03:58.691	-86	90	60	50000	1	8329.	L3SM	GSM	Uplink	12:03:52.095	SACCH	MEASUREMENT_REPORT
					630.	12:03:58.991	-86	90	60	50000	1	8330.	L3SM	GSM	Uplink	12:03:52.575	SACCH	MEASUREMENT_REPORT
					631.	12:03:59.794	-86	90	60	50000	1	8331.	L3SM	GSM	Uplink	12:03:53.055	SACCH	MEASUREMENT_REPORT
					632.	12:04:00.255	-86	90	60	50000	1	8332.	L3SM	GSM	Uplink	12:03:53.508	DCCH	CM_RE-ESTABLISHMENT_REQUEST
					633.	12:04:00.795	-85	90	60	50000	1	8333.	L3SM	GSM	Downlink	12:03:54.978	BCCH	SYSTEM_INFORMATION_TYPE_3
					634.	12:04:01.192	-85	90	60	50000	1	8334.	L3SM	GSM	Downlink	12:03:55.210	BCCH	SYSTEM_INFORMATION_TYPE_4
					635.	12:04:01.857	-86	90	60	50000	1	8335.	L3SM	GSM	Downlink	12:03:55.685	BCCH	SYSTEM_INFORMATION_TYPE_2
					636.	12:04:02.240	-85	90	60	50000	1	8336.	L3SM	GSM	Downlink	12:03:55.699	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
					637.	12:04:02.792	-85	90	60	50000	1	8337.	L3SM	GSM	Downlink	12:03:55.791	CCCH	PAGING_REQUEST_TYPE_1
					638.	12:04:03.260	-85	90	60	50000	1	8338.	L3SM	GSM	Downlink	12:03:56.391	BCCH	SYSTEM_INFORMATION_TYPE_1
					639.	12:04:03.873	-84	90	60	50000	1	8339.	L3SM	GSM	Downlink	12:03:56.410	BCCH	SYSTEM_INFORMATION_TYPE_13
					640.	12:04:04.343	-84	90	60	50000	1	8340.	L3SM	GSM	Uplink	12:03:56.425	PDTCH	ROUTING_AREA_UPDATE_REQUEST
					641.	12:04:04.935	-84	90	60	50000	1	8341.	L3SM	GSM	Downlink	12:03:56.491	CCCH	PAGING_REQUEST_TYPE_1
					642.	12:04:05.363	-84	90	60	50000	1	8342.	L3SM	GSM	Downlink	12:03:56.556	CCCH	PAGING_REQUEST_TYPE_1
					643.	12:04:05.986	-84	90	60	50000	1	8343.	L3SM	GSM	Downlink	12:03:56.634	BCCH	SYSTEM_INFORMATION_TYPE_2
					644.	12:04:06.462	-84	90	60	50000	1	8344.	L3SM	GSM	Downlink	12:03:56.698	CCCH	PAGING_REQUEST_TYPE_1

Analysis:

- This call drop event occurred on long call at 12:03:54:554 time when UE was latched with 2G network.
- After getting Alerting message at 12:02:17:420 time than Call drop happened.
- During the session UE was latched with ARFCN 119 and RF condition Rx Level -93 dBm is poor and Rx Qual 0 dB which is ok.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-2 Call Drop Analysis 1 From MS11 CWS MO

	Time	System	Serving band	Ca		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	10:37:56.851	GSM	900	Vc	606.	10:37:50.017	-70	25	19	1	0			1689.	L3SM	GSM	Uplink	10:37:51.356	SACCH	MEASUREMENT_REPORT
2.	11:42:56.168	GSM	900	Vc	607.	10:37:50.396						0		1690.	L3SM	GSM	Downlink	10:37:51.790	SACCH	SYSTEM_INFORMATION_TYPE_STER
3.	11:47:27.626	UMTS FDD	2100	Vc	608.	10:37:50.437	-75	25	19	1	0			1691.	L3SM	GSM	Uplink	10:37:51.836	SACCH	MEASUREMENT_REPORT
					609.	10:37:50.876						0		1692.	L3SM	GSM	Downlink	10:37:52.270	SACCH	SYSTEM_INFORMATION_TYPE_6
					610.	10:37:51.083	-81	25	19	1	0			1693.	L3SM	GSM	Uplink	10:37:52.316	SACCH	MEASUREMENT_REPORT
					611.	10:37:51.356						0		1694.	L3SM	GSM	Downlink	10:37:52.750	SACCH	SYSTEM_INFORMATION_TYPE_5
					612.	10:37:51.577	-78	25	19	1	0			1695.	L3SM	GSM	Uplink	10:37:52.796	SACCH	MEASUREMENT_REPORT
					613.	10:37:51.836						0		1696.	L3SM	GSM	Downlink	10:37:53.230	SACCH	SYSTEM_INFORMATION_TYPE_STER
					614.	10:37:51.942	-79	25	19	1	0			1697.	L3SM	GSM	Uplink	10:37:53.276	SACCH	MEASUREMENT_REPORT
					615.	10:37:52.316						0		1698.	L3SM	GSM	Downlink	10:37:53.710	SACCH	SYSTEM_INFORMATION_TYPE_6
					616.	10:37:52.782	-81	25	19	1	0			1699.	L3SM	GSM	Uplink	10:37:53.756	SACCH	MEASUREMENT_REPORT
					617.	10:37:52.796						0		1700.	L3SM	GSM	Downlink	10:37:54.190	SACCH	SYSTEM_INFORMATION_TYPE_5
					618.	10:37:53.063	-78	25	19	1	0			1701.	L3SM	GSM	Uplink	10:37:54.236	SACCH	MEASUREMENT_REPORT
					619.	10:37:53.276						0		1702.	L3SM	GSM	Downlink	10:37:54.669	SACCH	SYSTEM_INFORMATION_TYPE_STER
					620.	10:37:53.756	-77	25	19	1	0			1703.	L3SM	GSM	Uplink	10:37:54.716	SACCH	MEASUREMENT_REPORT
					621.	10:37:53.756						0		1704.	L3SM	GSM	Downlink	10:37:55.150	SACCH	SYSTEM_INFORMATION_TYPE_6
					622.	10:37:54.236	-75	25	19	1	0			1705.	L3SM	GSM	Uplink	10:37:55.196	SACCH	MEASUREMENT_REPORT
					623.	10:37:54.716						0		1706.	L3SM	GSM	Downlink	10:37:55.629	SACCH	SYSTEM_INFORMATION_TYPE_5
					624.	10:37:54.839	-74	25	19	1	0			1707.	L3SM	GSM	Uplink	10:37:55.676	SACCH	MEASUREMENT_REPORT
					625.	10:37:55.283	-77	25	19	1	0			1708.	L3SM	GSM	Downlink	10:37:56.109	SACCH	SYSTEM_INFORMATION_TYPE_STER
					626.	10:37:55.676						0		1709.	L3SM	GSM	Uplink	10:37:56.156	SACCH	MEASUREMENT_REPORT
					627.	10:37:55.840	-71	25	19	1	0			1710.	L3SM	GSM	Downlink	10:37:56.590	SACCH	SYSTEM_INFORMATION_TYPE_6
					628.	10:37:56.156						0		1711.	L3SM	GSM	Uplink	10:37:56.636	SACCH	MEASUREMENT_REPORT
					629.	10:37:56.303	-77	25	19	1	0			1712.	L3SM	GSM	Downlink	10:37:56.761	DCCH	DISCONNECT
					630.	10:37:56.636						0		1713.	L3SM	GSM	Uplink	10:37:56.761	DCCH	RELEASE
					631.	10:37:56.922	-71	25	19	1	0			1714.	L3SM	GSM	Downlink	10:37:56.922	DCCH	RELEASE_COMPLETE
					632.	10:37:57.069								1715.	L3SM	GSM	Downlink	10:37:57.042	DCCH	CHANNEL_RELEASE
					633.	10:40:35.224	-48	3	12	1	0			1716.	L3SM	GSM	Downlink	10:37:57.069	SACCH	SYSTEM_INFORMATION_TYPE_5
					634.	10:40:35.224						0		1717.	RRCSM	LTE FDD	Downlink	10:37:57.288	BCCH-BCH	MasterInformationBlock
					635.	10:40:36.166	-48	3	12	1	0			1718.	RRCSM	LTE FDD	Downlink	10:37:57.312	BCCH-SCH	SystemInformationBlockType1
					636.	10:40:36.843	-48	3	12	1	0			1719.	RRCSM	LTE FDD	Downlink	10:37:57.312	BCCH-SCH	SystemInformation - SIB2,SIB3
					637.	10:40:37.204	-54	3	12	1	0			1720.	RRCSM	LTE FDD	Downlink	10:37:57.312	BCCH-SCH	SystemInformation - SIB5
					638.	10:40:37.843	-48	3	12	1	0			1721.	L3SM	LTE FDD	Uplink	10:37:57.327		TRACKING_AREA_UPDATE_REQUEST
					639.	10:40:38.145	-48	3	12	1	0			1722.	RRCSM	LTE FDD	Uplink	10:37:57.328	CCCH	RRCCConnectionRequest
					640.	10:40:38.842	-48	3	12	1	0			1723.	RRCSM	LTE FDD	Downlink	10:37:57.364	CCCH	RRCCConnectionSetup
					641.	10:40:39.325	-48	3	12	1	0			1724.	RRCSM	LTE FDD	Uplink	10:37:57.368	DCCH	RRCCConnectionSetupComplete

Analysis:

- This call drop event occurred on long call at 10:37:56:851 time when UE was latched with 2G network.
- After getting Alerting message at 10:37:46:643 time than Call drop happened.
- During the session UE was latched with ARFCN 25 and RF condition Rx Level -77 dBm and Rx Qual 0 dB both are ok.
- Need to check at MT end.

Phase-2 Call Drop Analysis 1 From MS12 CWS MT

	1. best active RSCP	Time	Ch	SC	1. bes ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name ▲
731.	-128.6	10:37:54.045	10690	101		1700.	RRCSM	UMTS FDD	Uplink	10:37:51.045	DCCH	MEASUREMENT_REPORT
732.		10:37:54.045	10690	101	-22.8	1701.	RRCSM	UMTS FDD	Uplink	10:37:51.276	DCCH	MEASUREMENT_REPORT
733.	-128.6	10:37:54.276	10690	101		1702.	RRCSM	UMTS FDD	Uplink	10:37:51.776	DCCH	MEASUREMENT_REPORT
734.		10:37:54.276	10690	101	-22.8	1703.	RRCSM	UMTS FDD	Uplink	10:37:52.045	DCCH	MEASUREMENT_REPORT
735.	-123.9	10:37:54.770	10690	101		1704.	RRCSM	UMTS FDD	Uplink	10:37:52.276	DCCH	MEASUREMENT_REPORT
736.		10:37:54.770	10690	101	-19.2	1705.	RRCSM	UMTS FDD	Uplink	10:37:52.776	DCCH	MEASUREMENT_REPORT
737.	-126.7	10:37:55.016	10690	101		1706.	RRCSM	UMTS FDD	Uplink	10:37:53.045	DCCH	MEASUREMENT_REPORT
738.		10:37:55.016	10690	101	-22.1	1707.	RRCSM	UMTS FDD	Uplink	10:37:53.276	DCCH	MEASUREMENT_REPORT
739.	-126.7	10:37:55.045	10690	101		1708.	RRCSM	UMTS FDD	Uplink	10:37:53.336	DCCH	MEASUREMENT_REPORT
740.		10:37:55.045	10690	101	-22.1	1709.	RRCSM	UMTS FDD	Uplink	10:37:53.776	DCCH	MEASUREMENT_REPORT
741.	-126.7	10:37:55.177	10690	101		1710.	RRCSM	UMTS FDD	Uplink	10:37:54.045	DCCH	MEASUREMENT_REPORT
742.		10:37:55.177	10690	101	-22.1	1711.	RRCSM	UMTS FDD	Uplink	10:37:54.276	DCCH	MEASUREMENT_REPORT
743.	-127.7	10:37:55.771	10690	101		1712.	RRCSM	UMTS FDD	Uplink	10:37:54.776	DCCH	MEASUREMENT_REPORT
744.		10:37:55.771	10690	101	-21.9	1713.	RRCSM	UMTS FDD	Uplink	10:37:55.045	DCCH	MEASUREMENT_REPORT
745.	-127.7	10:37:56.045	10690	101		1714.	RRCSM	UMTS FDD	Uplink	10:37:55.177	DCCH	MEASUREMENT_REPORT
746.		10:37:56.045	10690	101	-21.9	1715.	RRCSM	UMTS FDD	Uplink	10:37:55.276	DCCH	MEASUREMENT_REPORT
747.	-123.3	10:37:56.216	10690	101		1716.	RRCSM	UMTS FDD	Uplink	10:37:55.606	DCCH	MEASUREMENT_REPORT
748.		10:37:56.216	10690	101	-19.5	1717.	RRCSM	UMTS FDD	Uplink	10:37:55.786	DCCH	MEASUREMENT_REPORT
749.	-123.3	10:37:56.286	10690	101		1718.	RRCSM	UMTS FDD	Uplink	10:37:55.876	DCCH	MEASUREMENT_REPORT
750.		10:37:56.286	10690	101	-19.5	1719.	RRCSM	UMTS FDD	Uplink	10:37:56.045	DCCH	MEASUREMENT_REPORT
751.	-123.7	10:37:56.773	10690	101		1720.	RRCSM	UMTS FDD	Uplink	10:37:56.286	DCCH	MEASUREMENT_REPORT
752.		10:37:56.773	10690	101	-17.9	1721.	RRCSM	UMTS FDD	Uplink	10:37:56.786	DCCH	MEASUREMENT_REPORT
753.	-123.7	10:37:57.045	10690	101		1722.	RRCSM	UMTS FDD	Uplink	10:37:57.045	DCCH	MEASUREMENT_REPORT
754.		10:37:57.045	10690	101	-17.9	1723.	RRCSM	UMTS FDD	Uplink	10:37:57.286	DCCH	MEASUREMENT_REPORT
755.	-123.7	10:37:57.286	10690	101		1724.	RRCSM	UMTS FDD	Uplink	10:37:57.597	DCCH	MEASUREMENT_REPORT
756.		10:37:57.286	10690	101	-17.9	1725.	RRCSM	UMTS FDD	Uplink	10:37:57.786	DCCH	MEASUREMENT_REPORT
757.	-125.6	10:37:57.417	10690	101		1726.	RRCSM	UMTS FDD	Uplink	10:37:58.045	DCCH	MEASUREMENT_REPORT
758.		10:37:57.417	10690	101	-20.9	1727.	RRCSM	UMTS FDD	Uplink	10:37:58.286	DCCH	MEASUREMENT_REPORT
759.	-124.4	10:37:57.774	10690	101		1728.	RRCSM	UMTS FDD	Uplink	10:37:58.786	DCCH	MEASUREMENT_REPORT
760.		10:37:57.774	10690	101	-18.7	1729.	RRCSM	UMTS FDD	Uplink	10:37:59.045	DCCH	MEASUREMENT_REPORT
761.	-124.4	10:37:58.045	10690	101		1730.	RRCSM	UMTS FDD	Uplink	10:37:59.088	DCCH	MEASUREMENT_REPORT
762.		10:37:58.045	10690	101	-18.7	1731.	RRCSM	UMTS FDD	Uplink	10:37:59.286	DCCH	MEASUREMENT_REPORT
763.	-124.7	10:37:58.225	10690	101		1732.	RRCSM	UMTS FDD	Uplink	10:37:59.596	DCCH	MEASUREMENT_REPORT
764.		10:37:58.225	10690	101	-18.9	1733.	RRCSM	UMTS FDD	Uplink	10:37:59.786	DCCH	MEASUREMENT_REPORT
765.	-124.7	10:37:58.286	10690	101		1734.	RRCSM	UMTS FDD	Uplink	10:37:59.898	DCCH	MEASUREMENT_REPORT
766.		10:37:58.286	10690	101	-18.9	1735.	RRCSM	UMTS FDD	Uplink	10:38:00.045	DCCH	MEASUREMENT_REPORT

Analysis:

- During the session UE was latched with PSC 101 and RF condition RSCP -123.7 dBm and Ec/No -17.9 dB both are poor.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-2 Call Drop Analysis 2 From MS11 CWS MO

	Time	System	Serving band	Ca	Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub ▲		System	Transf. dir.	Time	Subchannel	Message name	Msg	
1.	10:37:56.851	GSM	900	Vc	4839.	11:42:43.067	-95	25	18	1	10		11959.	GSM	Uplink	11:42:44.506	SACCH	MEASUREMENT_REPORT	
2.	11:42:56.168	GSM	900	Vc	4840.	11:42:43.791	-95	25	18	1	10		11960.	GSM	Uplink	11:42:44.987	SACCH	MEASUREMENT_REPORT	
3.	11:47:27.626	UMTS FDD	2100	Vc	4841.	11:42:44.506	-95	25	18	1	10		11961.	GSM	Uplink	11:42:45.466	SACCH	MEASUREMENT_REPORT	
					4842.	11:42:45.392	-96	25	18	1	10		11962.	GSM	Uplink	11:42:45.946	SACCH	MEASUREMENT_REPORT	
					4843.	11:42:45.900	-96	25	18	1	10		11963.	GSM	Uplink	11:42:46.426	SACCH	MEASUREMENT_REPORT	
					4844.	11:42:46.427	-97	25	18	1	10		11964.	GSM	Uplink	11:42:46.906	SACCH	MEASUREMENT_REPORT	
					4845.	11:42:46.917	-98	25	18	1	10		11965.	GSM	Uplink	11:42:47.386	SACCH	MEASUREMENT_REPORT	
					4846.	11:42:47.387	-97	25	18	1	10		11966.	GSM	Uplink	11:42:47.866	SACCH	MEASUREMENT_REPORT	
					4847.	11:42:47.912	-97	25	18	1	10		11967.	GSM	Uplink	11:42:48.346	SACCH	MEASUREMENT_REPORT	
					4848.	11:42:48.471	-96	25	18	1	10		11968.	GSM	Uplink	11:42:48.826	SACCH	MEASUREMENT_REPORT	
					4849.	11:42:49.074	-96	25	18	1	10		11969.	GSM	Uplink	11:42:49.306	SACCH	MEASUREMENT_REPORT	
					4850.	11:42:49.772	-97	25	18	1	10		11970.	GSM	Uplink	11:42:49.786	SACCH	MEASUREMENT_REPORT	
					4851.	11:42:50.031	-96	25	18	1	10		11971.	GSM	Uplink	11:42:50.266	SACCH	MEASUREMENT_REPORT	
					4852.	11:42:50.774	-96	25	18	1	10		11972.	GSM	Uplink	11:42:50.746	SACCH	MEASUREMENT_REPORT	
					4853.	11:42:51.852	-95	25	18	1	10		11973.	GSM	Uplink	11:42:51.226	SACCH	MEASUREMENT_REPORT	
					4854.	11:42:52.772	-95	25	18	1	10		11974.	GSM	Uplink	11:42:51.706	SACCH	MEASUREMENT_REPORT	
					4855.	11:42:53.308	-96	25	18	1	10		11975.	GSM	Uplink	11:42:52.186	SACCH	MEASUREMENT_REPORT	
					4856.	11:42:53.774	-95	25	18	1	10		11976.	GSM	Uplink	11:42:52.666	SACCH	MEASUREMENT_REPORT	
					4857.	11:42:54.115	-96	25	18	1	10		11977.	GSM	Uplink	11:42:53.146	SACCH	MEASUREMENT_REPORT	
					4858.	11:42:54.771	-95	25	18	1	10		11978.	GSM	Uplink	11:42:53.626	SACCH	MEASUREMENT_REPORT	
					4859.	11:42:55.067	-96	25	18	1	10		11979.	GSM	Uplink	11:42:54.106	SACCH	MEASUREMENT_REPORT	
					4860.	11:42:55.853	-97	25	18	1	10		11980.	GSM	Uplink	11:42:54.586	SACCH	MEASUREMENT_REPORT	
					4861.	11:42:56.273							11981.	GSM	Uplink	11:42:55.067	SACCH	MEASUREMENT_REPORT	
					4862.	11:42:59.852				1	10		11982.	GSM	Uplink	11:42:55.546	SACCH	MEASUREMENT_REPORT	
					4863.	12:08:33.270					0		11983.	GSM	Uplink	11:42:55.999	DCCH	CM_RE-ESTABLISHMENT_REQUEST	
					4864.	12:08:33.792	-77	25	25	10	10		11984.	GSM	Downlink	11:42:59.606	BCCH	SYSTEM_INFORMATION_TYPE_4	
					4865.	12:08:34.668	-77	25	25	1	10		11985.	GSM	Downlink	11:43:01.254	BCCH	SYSTEM_INFORMATION_TYPE_3	
					4866.	12:08:34.710					0		11986.	GSM	Downlink	11:43:01.490	BCCH	SYSTEM_INFORMATION_TYPE_4	
					4867.	12:08:35.190	-79	25	25	1	10		11987.	LTE FDD	Downlink	11:43:27.837	BCCH-BCH	MasterInformationBlock	
					4868.	12:08:35.190					0		11988.	LTE FDD	Downlink	11:43:27.862	BCCH-SCH	SystemInformationBlockType1	
					4869.	12:08:35.670	-79	25	25	1	10		11989.	LTE FDD	Downlink	11:43:27.968	BCCH-BCH	MasterInformationBlock	
					4870.	12:08:35.670					0		11990.	LTE FDD	Downlink	11:43:28.578	BCCH-BCH	MasterInformationBlock	
					4871.	12:08:36.150	-82	25	25	1	10		11991.	LTE FDD	Downlink	11:43:28.602	BCCH-SCH	SystemInformationBlockType1	
					4872.	12:08:36.754	-77	25	25	1	10		11992.	LTE FDD	Downlink	11:43:28.688	BCCH-BCH	MasterInformationBlock	
					4873.	12:08:37.110	-79	25	25	1	10		11993.	LTE FDD	Downlink	11:43:28.722	BCCH-SCH	SystemInformationBlockType1	
					4874.	12:08:37.110					0		11994.	LTE FDD	Downlink	11:43:28.858	BCCH-BCH	MasterInformationBlock	

Analysis:

- This call drop event occurred on long call at 11:42:56:168 time when UE was latched with 2G network.
- After getting Alerting message at 11:40:57:065 time than Call drop happened.
- During the session UE was latched with ARFCN 25 and RF condition Rx Level -97 dBm is poor and Rx Qual 0 dB which is ok.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-2 Call Drop Analysis 3 From MS11 CWS MO

	Time	System	Serving band	Call type		1. best active RSCP	Time	Ch	SC	1. bes ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	10:37:56.851	GSM	900	Voice call	5463.	-125.4	11:47:21.574	10690	105			12997.	RRCSM	UMTS FDD	Downlink	11:47:26.906	DCCH	MEASUREMENT_CONTROL
2.	11:42:56.168	GSM	900	Voice call	5464.		11:47:21.574	10690	105	-22.5		12998.	RRCSM	UMTS FDD	Downlink	11:47:26.906	DCCH	MEASUREMENT_CONTROL
3.	11:47:27.626	UMTS FDD	2100	Voice call	5465.	-122.9	11:47:22.126	10690	105			12999.	RRCSM	UMTS FDD	Downlink	11:47:26.906	DCCH	MEASUREMENT_CONTROL
					5466.		11:47:22.126	10690	105	-20.6		13000.	RRCSM	UMTS FDD	Uplink	11:47:26.926	DCCH	MEASUREMENT_REPORT
					5467.	-120.6	11:47:22.848	10690	105			13001.	RRCSM	UMTS FDD	Uplink	11:47:27.157	DCCH	MEASUREMENT_REPORT
					5468.		11:47:22.848	10690	105	-16.8		13002.	RRCSM	UMTS FDD	Downlink	11:47:27.184	DCCH	ACTIVE_SET_UPDATE
					5469.	-128.3	11:47:23.218	10690	105			13003.	RRCSM	UMTS FDD	Downlink	11:47:27.185	DCCH	MEASUREMENT_CONTROL
					5470.		11:47:23.218	10690	105	-24.7		13004.	RRCSM	UMTS FDD	Downlink	11:47:27.186	DCCH	MEASUREMENT_CONTROL
					5471.	-119.2	11:47:23.948	10690	105			13005.	RRCSM	UMTS FDD	Uplink	11:47:27.206	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					5472.		11:47:23.948	10690	105	-17.7		13006.	RRCSM	UMTS FDD	Uplink	11:47:27.426	DCCH	MEASUREMENT_REPORT
					5473.	-124	11:47:24.278	10690	105			13007.	RRCSM	UMTS FDD	Downlink	11:47:27.505	DCCH	MEASUREMENT_CONTROL
					5474.		11:47:24.278	10690	105	-19.4		13008.	RRCSM	UMTS FDD	Downlink	11:47:27.545	DCCH	MEASUREMENT_CONTROL
					5475.	-122.6	11:47:24.851	10690	105			13009.	RRCSM	UMTS FDD	Downlink	11:47:27.624	DCCH	DOWNLINK_DIRECT_TRANSFER
					5476.		11:47:24.851	10690	105	-19.7		13010.	L3SM	UMTS FDD	Downlink	11:47:27.624	DCCH	ALERTING
					5477.	-125.2	11:47:25.118	10690	105			13011.	RRCSM	UMTS FDD	Downlink	11:47:27.625	DCCH	DOWNLINK_DIRECT_TRANSFER
					5478.		11:47:25.118	10690	105	-23.1		13012.	L3SM	UMTS FDD	Downlink	11:47:27.625	DCCH	CONNECT
					5479.	-120.2	11:47:25.850	10690	105			13013.	RRCSM	UMTS FDD	Downlink	11:47:27.625	DCCH	DOWNLINK_DIRECT_TRANSFER
					5480.		11:47:25.850	10690	105	-19.9		13014.	L3SM	UMTS FDD	Downlink	11:47:27.625	DCCH	DISCONNECT
					5481.	-124.9	11:47:26.295	10690	105			13015.	RRCSM	UMTS FDD	Uplink	11:47:27.625	DCCH	UPLINK_DIRECT_TRANSFER
					5482.		11:47:26.295	10690	105	-20.3		13016.	L3SM	UMTS FDD	Uplink	11:47:27.625	DCCH	CONNECT_ACKNOWLEDGE
					5483.	-123.4	11:47:26.937	10690	105			13017.	RRCSM	UMTS FDD	Uplink	11:47:27.626	DCCH	UPLINK_DIRECT_TRANSFER
					5484.		11:47:26.937	10690	105	-19.6		13018.	L3SM	UMTS FDD	Uplink	11:47:27.626	DCCH	RELEASE
					5485.	-119.7	11:47:27.627	10690	104			13019.	RRCSM	UMTS FDD	Uplink	11:47:27.846	DCCH	MEASUREMENT_REPORT
					5486.		11:47:27.627	10690	104	-16.8		13020.	RRCSM	UMTS FDD	Uplink	11:47:27.995	DCCH	MEASUREMENT_REPORT
					5487.	-117.6	11:47:27.849	10690	104			13021.	RRCSM	UMTS FDD	Downlink	11:47:28.225	DCCH	RADIO_BEARER_RELEASE
					5488.		11:47:27.849	10690	104	-14		13022.	RRCSM	UMTS FDD	Downlink	11:47:28.304	DCCH	DOWNLINK_DIRECT_TRANSFER
					5489.	-111.1	11:47:28.557	10690	104			13023.	L3SM	UMTS FDD	Downlink	11:47:28.304	DCCH	RELEASE_COMPLETE
					5490.		11:47:28.557	10690	104	-11.3		13024.	RRCSM	UMTS FDD	Uplink	11:47:28.346	DCCH	MEASUREMENT_REPORT
					5491.	-111.1	11:47:28.846	10690	104			13025.	RRCSM	UMTS FDD	Uplink	11:47:28.545	DCCH	MEASUREMENT_REPORT
					5492.		11:47:28.846	10690	104	-11.3		13026.	RRCSM	UMTS FDD	Uplink	11:47:28.846	DCCH	MEASUREMENT_REPORT
					5493.	-116.8	11:47:28.954	10690	104			13027.	RRCSM	UMTS FDD	Uplink	11:47:28.897	DCCH	RADIO_BEARER_RELEASE_COMPLETE
					5494.		11:47:28.954	10690	104	-15.3		13028.	RRCSM	UMTS FDD	Downlink	11:47:29.304	DCCH	MEASUREMENT_CONTROL
					5495.	-116.8	11:47:29.346	10690	104			13029.	RRCSM	UMTS FDD	Downlink	11:47:29.344	DCCH	MEASUREMENT_CONTROL
					5496.		11:47:29.346	10690	104	-15.3		13030.	RRCSM	UMTS FDD	Uplink	11:47:29.346	DCCH	MEASUREMENT_REPORT
					5497.	-113.4	11:47:29.494	10690	104			13031.	RRCSM	UMTS FDD	Downlink	11:47:29.384	DCCH	SIGNALLING_CONNECTION_RELEASE
					5498.		11:47:29.494	10690	104	-11.8		13032.	RRCSM	UMTS FDD	Uplink	11:47:29.545	DCCH	MEASUREMENT_REPORT

Analysis:

- This call drop event occurred on long call at 11:47:27:626 time when UE was latched with 3G network.
- After getting Alerting message at 11:47:27:624 time than Call drop happened.
- During the session UE was latched with PSC 105 and RF condition RSCP -123.4 dBm and Ec/No -19.6 dB both are poor.
- As per the analysis call failed happened due to poor coverage of the network.

THANKS