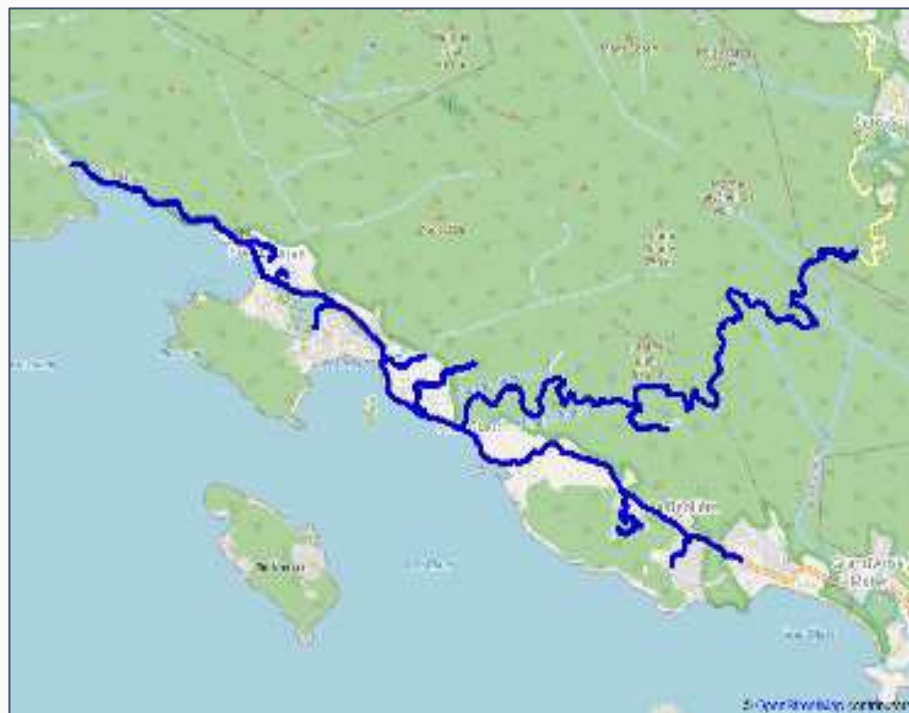


Seychelles Test Drive

Port Glaud Phase-2 Report

Phase-1 Dates- 11th Oct 2024



Route Name: Mahe

District Name: Port Glaud

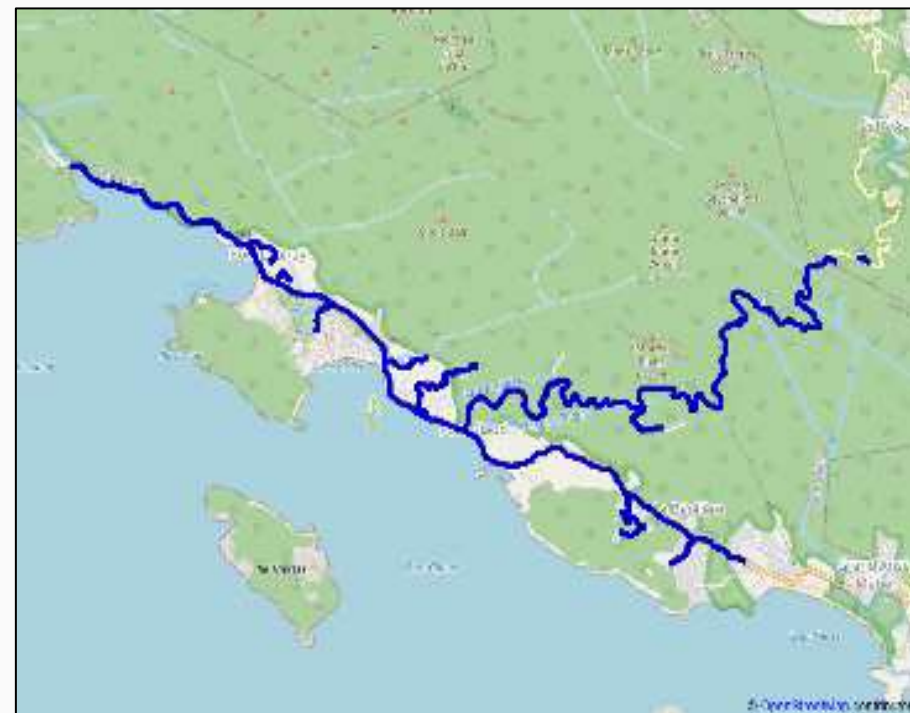
Region: West Northern

Island: Mahé

Drive Test Distance: 29.03 kms

Drive Test Duration: 01 hours,27 minutes,52 seconds

Phase-2 Dates- 31st Oct 2024



Route Name: Mahe

District Name: Port Glaud

Region: West Northern

Island: Mahé

Drive Test Distance: 29.93 kms

Drive Test Duration: 01 hours,25 minutes,09 seconds

Phase-1

Short Call Findings:

- The Call Setup Success Rate for Airtel is (96.15%), while for Operator CWS it is (91.51%).
- The Call Setup Time for Airtel is (5.97s) , while for Operator CWS it is (8.62s)

Long Call Findings :

- The Call Retainability for Airtel is (96.30%), while for CWS it is (96.43%).
- The MOS quality observed for Airtel is (3.04), and for CWS, it is (3.22).

Phase-2

Short Call Findings:

- The Call Setup Success Rate for Airtel is (98.99%), while for Operator CWS it is (89.22%).
- The Call Setup Time for Airtel is (6.57s), while for Operator CWS it is (8.56s)

Long Call Findings :

- The Call Retainability for Airtel is (85.19%), while for CWS it is (96.30%).
- The MOS quality observed for Airtel is (2.88), and for CWS, it is (3.27).

Phase-1

4G Preferred Data Findings:

- Airtel SFTP DL is (13.62 Mbps), while SFTP UL is (5.89 Mbps), CWS SFTP DL is (7.04 Mbps), while SFTP UL is (3.82 Mbps)
- Airtel HTTP DL is (17.31 Mbps), HTTP Capacity DL is (61.70 Mbps) ,HTTP UL is (9.58 Mbps) , and HTTP Capacity UL is (24.00 Mbps).
- CWS HTTP DL is (9.90 Mbps), HTTP Capacity DL is (20.16 Mbps) ,HTTP UL is (6.31 Mbps) , and HTTP Capacity UL is (11.84 Mbps).
- On live web page testing for browsing, www.shein.com took (7.46s), www.nbs.gov.sc took (17.13s), and www.sbc.sc took (16.18s) on Airtel.
- On live web page testing for browsing, www.shein.com took (7.03s), www.nbs.gov.sc took (18.79s), and www.sbc.sc took (16.31s) on CWS.
- On static browsing, Kepler Webpage took (4.22s), and Kepler Mobile took (1.70s) on Airtel.
- On static browsing, Kepler Webpage took (5.32s), and Kepler Mobile took (3.27s) on CWS.
- YouTube average resolution in Airtel is (1080.00) pixels.
- YouTube average resolution in CWS is (1057.55) pixels.
- Airtel scored 47.34% in Carrier Aggregation (CA).
- CWS scored 14.18% in Carrier Aggregation (CA).

Phase-2

4G Preferred Data Findings:

- Airtel SFTP DL is (13.63 Mbps), while SFTP UL is (4.45 Mbps), CWS SFTP DL is (3.85 Mbps), while SFTP UL is (2.30 Mbps)
- Airtel HTTP DL is (17.62 Mbps), HTTP Capacity DL is (54.64 Mbps) ,HTTP UL is (7.96 Mbps) , and HTTP Capacity UL is (16.26 Mbps).
- CWS HTTP DL is (3.73 Mbps), HTTP Capacity DL is (12.86 Mbps) ,HTTP UL is (3.48 Mbps) , and HTTP Capacity UL is (15.20 Mbps).
- On live web page testing for browsing, www.shein.com took (6.55s), www.nbs.gov.sc took (17.65s), and www.sbc.sc took (16.51s) on Airtel.
- On live web page testing for browsing, www.shein.com took (12.05s), www.nbs.gov.sc took (16.67s), and www.sbc.sc took (19.68s) on CWS.
- On static browsing, Kepler Webpage took (4.26s), and Kepler Mobile took (1.78s) on Airtel.
- On static browsing, Kepler Webpage took (6.06s), and Kepler Mobile took (2.84s) on CWS.
- YouTube average resolution in Airtel is (1039.58) pixels.
- YouTube average resolution in CWS is (823.23) pixels.
- Airtel scored 45.26% in Carrier Aggregation (CA).
- CWS scored 19.88% in Carrier Aggregation (CA).

Phase-1

3G Preferred Data Test Findings:

- Airtel SFTP DL is (5.08 Mbps), while SFTP UL is (1.89 Mbps), CWS SFTP DL is (3.29 Mbps), while SFTP UL is (0.99 Mbps)
- Airtel HTTP DL is (4.64 Mbps), HTTP Capacity DL is (5.35 Mbps) ,HTTP UL is (2.24 Mbps) , and HTTP Capacity UL is (4.71 Mbps).
- CWS HTTP DL is (2.88 Mbps), HTTP Capacity DL is (4.44 Mbps) ,HTTP UL is (1.65 Mbps) , and HTTP Capacity UL is (3.66 Mbps).
- On live web page testing for browsing, www.shein.com took (13.84s), www.nbs.gov.sc took (14.40s), and www.sbc.sc took (14.54s) on Airtel.
- On live web page testing for browsing, www.shein.com took (10.70s), www.nbs.gov.sc took (10.96s), and www.sbc.sc took (17.66s) on CWS.
- On static browsing, Kepler Webpage took (6.28s), and Kepler Mobile took (2.06s) on Airtel.
- On static browsing, Kepler Webpage took (5.34s), and Kepler Mobile took (4.15s) on CWS.
- YouTube average resolution in Airtel is (952.02) pixels.
- YouTube average resolution in CWS is (1020.46) pixels.

Phase-2

3G Preferred Data Test Findings:

- Airtel SFTP DL is (5.22 Mbps), while SFTP UL is (1.57 Mbps), CWS SFTP DL is (2.52 Mbps), while SFTP UL is (1.05 Mbps)
- Airtel HTTP DL is (5.21 Mbps), HTTP Capacity DL is (6.18 Mbps) ,HTTP UL is (2.52 Mbps) , and HTTP Capacity UL is (4.70 Mbps).
- CWS HTTP DL is (2.73 Mbps), HTTP Capacity DL is (3.88 Mbps) ,HTTP UL is (1.44 Mbps) , and HTTP Capacity UL is (4.15 Mbps).
- On live web page testing for browsing, www.shein.com took (11.38s), www.nbs.gov.sc took (15.37s), and www.sbc.sc took (13.05s) on Airtel.
- On live web page testing for browsing, www.shein.com took (10.96s), www.nbs.gov.sc took (9.89s), and www.sbc.sc took (11.58s) on CWS.
- On static browsing, Kepler Webpage took (6.22s), and Kepler Mobile took (2.91s) on Airtel.
- On static browsing, Kepler Webpage took (6.32s), and Kepler Mobile took (2.57s) on CWS.
- YouTube average resolution in Airtel is (1037.42) pixels.
- YouTube average resolution in CWS is (1050.79) 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	104	106
Call Failed	4	9
Call Connected	100	97
CSSR[%]	96.15	91.51
USCSR[%]	3.85	8.49
CST [s] Alerting	5.97	8.62
CST [s]Connected	6.25	8.81

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)	5.97	8.62	1	2
CS calls CST (until ringing/alerting)	5.24	5.16	2	1
CSFB calls CST (until ringing/alerting)	6.50	8.93	1	2
Overall CST (until Connect/Connect Acknowledge)	6.25	8.81	1	2
CS calls CST (until Connect/Connect Acknowledge)	5.49	5.65	1	2
CSFB calls CST (until Connect/Connect Acknowledge)	6.80	9.10	1	2

Phase-2

Short Call Statistics		
Short Call Scenario	Operator 1	Operator 2
Voice KPIs	Airtel	CWS
Call Attempt	99	102
Call Failed	1	11
Call Connected	98	91
CSSR[%]	98.99	89.22
USCSR[%]	1.01	10.78
CST [s] Alerting	6.57	8.56
CST [s]Connected	6.85	8.91

Call Setup Time (s)	Operators		Rank	
	Airtel	CWS	Airtel	CWS
Overall CST (until ringing/alerting)	6.57	8.56	1	2
CS calls CST (until ringing/alerting)	6.48	6.65	1	2
CSFB calls CST (until ringing/alerting)	6.65	8.91	1	2
Overall CST (until Connect/Connect Acknowledge)	6.85	8.91	1	2
CS calls CST (until Connect/Connect Acknowledge)	6.78	6.88	1	2
CSFB calls CST (until Connect/Connect Acknowledge)	6.92	9.28	1	2

Phase-1

Long Call Statistics				
Long Call Scenario		Operator 1		Operator 2
Voice KPIs		Airtel		CWS
Call Connected		27		28
Call Dropped		1		1
Call Completed		26		27
CRR[%]		96.30		96.43
DCR[%]		3.70		3.57
MOS		3.04		3.22
	Airtel short call	CWS short call	Airtel long call	CWS long call
CSFB Calls	62	93	23	23
CS Calls	42	13	4	5
Handover Statistics		Airtel MO	CWS MO	
Handover Attempt		24	65	
Handover Failure		0	2	
Handover Success		24	63	
HOSR %		100.00	96.92	

Phase-2

Long Call Statistics				
Long Call Scenario		Operator 1		Operator 2
Voice KPIs		Airte		CWS
Call Connected		27		27
Call Dropped		4		1
Call Completed		23		26
CRR[%]		85.19		96.30
DCR[%]		14.81		3.70
MOS		2.88		3.27
	Airtel short call	CWS short call	Airtel long call	CWS long call
CSFB Calls	52	82	13	24
CS Calls	47	20	14	3
Handover Statistics		Airtel MO	CWS MO	
Handover Attempt		25	73	
Handover Failure		2	1	
Handover Success		23	72	
HOSR %		92.00	98.63	

		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)	13.62	7.04	1	2	13.63	3.85	1	2
	SFTP UL(Mbps)	5.89	3.82	1	2	4.45	2.30	1	2
	HTTP DL(Mbps)	17.31	9.9	1	2	17.62	3.73	1	2
	HTTP UL(Mbps)	9.58	6.31	1	2	7.96	3.48	1	2
	HTTP Capacity DL(Mbps)	61.7	20.16	1	2	54.64	12.86	1	2
	HTTP Capacity UL(Mbps)	24	11.84	1	2	16.26	15.20	1	2
BROWSER	Overall Browser DL Time (s)	9.11	10.11	1	2	9.34	11.57	1	2
	Kepler Webpage DL Time (s)	4.22	5.32	1	2	4.26	6.06	1	2
	Mobile Kepler Webpage DL Time (s)	1.7	3.27	1	2	1.78	2.84	1	2
	www.shein.com Webpage DL Time (s)	7.46	7.03	2	1	6.55	12.05	1	2
	www.nbs.gov.sc Webpage DL Time (s)	17.13	18.79	1	2	17.65	16.67	2	1
	www.sbc.sc Webpage DL Time (s)	16.18	16.31	1	2	16.51	19.68	1	2
LATENCY	Avg Latency (ms)	260.65	205.13	2	1	265.39	261.43	2	1
	Median Latency (ms)	157	200	1	2	154	219	1	2
YOUTUBE	YouTube Access Time (s)	8.46	2.19	2	1	5.41	3.22	2	1
	YouTube Average Resolution (pixels)	1080	1057.55	1	2	1039.58	823.23	1	2
	YouTube Success Ratio [%]	88.24	93.33	2	1	88.24	91.67	2	1

Phase-1

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	16	15	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	15	14	93.75	93.33
	Failure	1	1	6.25	6.67
HTTP DL	Success	17	14	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	17	14	100.00	87.50
	Failure	0	2	0.00	12.50
HTTP Capacity DL	Success	14	13	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	14	14	93.33	100.00
	Failure	1	0	6.67	0.00

Phase-2

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	14	9	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	14	8	100.00	88.89
	Failure	0	1	0.00	11.11
HTTP DL	Success	17	12	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	16	9	94.12	69.23
	Failure	1	4	5.88	30.77
HTTP Capacity DL	Success	14	11	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	14	7	93.33	70.00
	Failure	1	3	6.67	30.00



4G PREFERRED BROWSING FILE ACCESS

Phase-1

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	15	14	93.75	100.00
	Failure	1	0	6.25	0.00
Mobile Kepler	Success	15	13	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	16	14	100.00	93.33
	Failure	0	1	0.00	6.67
www.nbs.gov.sc	Success	14	13	87.50	86.67
	Failure	2	2	12.50	13.33
www.sbc.sc	Success	14	14	100.00	100.00
	Failure	0	0	0.00	0.00

Phase-2

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	12	9	80.00	90.00
	Failure	3	1	20.00	10.00
Mobile Kepler	Success	15	10	100.00	90.91
	Failure	0	1	0.00	9.09
www.shein.com	Success	15	10	100.00	100.00
	Failure	0	0	0.00	0.00
www.nbs.gov.sc	Success	14	10	93.33	100.00
	Failure	1	0	6.67	0.00
www.sbc.sc	Success	14	10	93.33	90.91
	Failure	1	1	6.67	9.09

Phase-1

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	31	25
	Average Latency [ms]	261.94	200.57
	Median Latency [ms]	179	203
	Ping session status: Successful	31	25
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	1
	Packet Loss<1%	0.00	3.85
www.google.com	Average Latency [ms]	415.14	175.8
	Median Latency [ms]	415	180
	Ping session status: Successful	14	12
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	1
	Packet Loss<1%	0.00	7.69
102.133.176.104	Average Latency [ms]	135.76	219.62
	Median Latency [ms]	130	223
	Ping session status: Successful	17	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

Phase-2

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	29	18
	Average Latency [ms]	265.31	294.00
	Median Latency [ms]	161	236
	Ping session status: Successful	29	18
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	2	1
	Packet Loss<1%	6.45	5.26
www.google.com	Average Latency [ms]	410.36	265.30
	Median Latency [ms]	411	168
	Ping session status: Successful	14	11
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	0
	Packet Loss<1%	6.67	0.00
102.133.176.104	Average Latency [ms]	129.93	335.00
	Median Latency [ms]	127	260
	Ping session status: Successful	15	7
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	1
	Packet Loss<1%	6.25	12.50



4G PREFERRED YOUTUBE COMPARISON

Phase-1

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	17	15
Success(Count)	15	14
Failure(Count)	2	1
YouTube Access Time (s)	8.46	2.19
YouTube Average Resolution (pixels)	1080.00	1057.55
YouTube Success Ratio [%]	88.24	93.33

Phase-2

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	17	12
Success(Count)	15	11
Failure(Count)	2	1
YouTube Access Time (s)	5.41	3.22
YouTube Average Resolution (pixels)	1039.58	823.23
YouTube Success Ratio [%]	88.24	91.67

		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)	5.08	3.29	1	2	5.22	2.52	1	2
	SFTP UL(Mbps)	1.89	0.99	1	2	1.57	1.05	1	2
	HTTP DL(Mbps)	4.64	2.88	1	2	5.21	2.73	1	2
	HTTP UL(Mbps)	2.24	1.65	1	2	2.52	1.44	1	2
	HTTP Capacity DL(Mbps)	5.35	4.44	1	2	6.18	3.88	1	2
	HTTP Capacity UL(Mbps)	4.71	3.66	1	2	4.70	4.15	1	2
BROWSER	Overall Browser DL Time (s)	9.77	9.96	1	2	9.59	8.30	2	1
	Kepler Webpage DL Time (s)	6.28	5.34	2	1	6.22	6.32	1	2
	Mobile Kepler Webpage DL Time (s)	2.06	4.15	1	2	2.91	2.57	2	1
	www.shein.com Webpage DL Time (s)	13.84	10.7	2	1	11.38	10.96	2	1
	www.nbs.gov.sc Webpage DL Time (s)	14.4	10.96	2	1	15.37	9.89	2	1
	www.sbc.sc Webpage DL Time (s)	14.54	17.66	1	2	13.05	11.58	2	1
LATENCY	Avg Latency (ms)	311.2	188.99	2	1	257.68	223.33	2	1
	Median Latency (ms)	400	195	2	1	143	197	1	2
YOUTUBE	YouTube Access Time (s)	3.54	2.6	2	1	3.48	2.38	2	1
	YouTube Average Resolution (pixels)	952.02	1020.46	2	1	1037.42	1050.79	2	1
	YouTube Success Ratio [%]	84.62	76.92	1	2	85.71	58.33	1	2

Phase-1

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
SFTP DL	Success	7	9	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	7	8	87.50	80.00
	Failure	1	2	12.50	20.00
HTTP DL	Success	10	10	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	9	10	69.23	83.33
	Failure	4	2	30.77	16.67
HTTP Capacity DL	Success	13	11	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	13	10	100.00	90.91
	Failure	0	1	0.00	9.09

Phase-2

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
SFTP DL	Success	11	6	100.00	85.71
	Failure	0	1	0.00	14.29
SFTP UL	Success	9	5	69.23	71.43
	Failure	4	2	30.77	28.57
HTTP DL	Success	12	8	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	11	7	78.57	58.33
	Failure	3	5	21.43	41.67
HTTP Capacity DL	Success	10	10	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	11	6	84.62	60.00
	Failure	2	4	15.38	40.00

Phase-1

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	11	8	91.67	66.67
	Failure	1	4	8.33	33.33
Mobile Kepler	Success	13	10	100.00	83.33
	Failure	0	2	0.00	16.67
www.shein.com	Success	11	10	91.67	83.33
	Failure	1	2	8.33	16.67
www.nbs.gov.sc	Success	9	11	75.00	84.62
	Failure	3	2	25.00	15.38
www.sbc.sc	Success	11	10	91.67	83.33
	Failure	1	2	8.33	16.67

Phase-2

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	11	8	91.67	80.00
	Failure	1	2	8.33	20.00
Mobile Kepler	Success	11	9	100.00	75.00
	Failure	0	3	0.00	25.00
www.shein.com	Success	7	9	63.64	90.00
	Failure	4	1	36.36	10.00
www.nbs.gov.sc	Success	11	9	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	10	9	90.91	90.00
	Failure	1	1	9.09	10.00

Phase-1

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	15	19
	Average Latency [ms]	360.53	172.47
	Median Latency [ms]	409	154
	Ping session status: Successful	15	19
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	8	2
	Packet Loss<1%	34.78	9.52
www.google.com	Average Latency [ms]	433.00	144.00
	Median Latency [ms]	414	140
	Ping session status: Successful	11	11
	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]	161.25	211.63
	Median Latency [ms]	145	202
	Ping session status: Successful	4	8
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	8	2
	Packet Loss<1%	66.67	20.00

Phase-2

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	22	16
	Average Latency [ms]	247.36	223.19
	Median Latency [ms]	144	201
	Ping session status: Successful	22	16
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	3
	Packet Loss<1%	0.00	15.79
www.google.com	Average Latency [ms]	410.44	223.80
	Median Latency [ms]	411	147
	Ping session status: Successful	9	10
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	1
	Packet Loss<1%	0.00	9.09
102.133.176.104	Average Latency [ms]	134.46	222.17
	Median Latency [ms]	129	213
	Ping session status: Successful	13	6
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	2
	Packet Loss<1%	0.00	25.00



3G PREFERRED YOUTUBE COMPARISON

Phase-1

UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	13	13
Success(Count)	11	10
Failure(Count)	2	3
YouTube Access Time (s)	3.54	2.60
YouTube Average Resolution (pixels)	952.02	1020.46
YouTube Success Ratio [%]	84.62	76.92

Phase-2

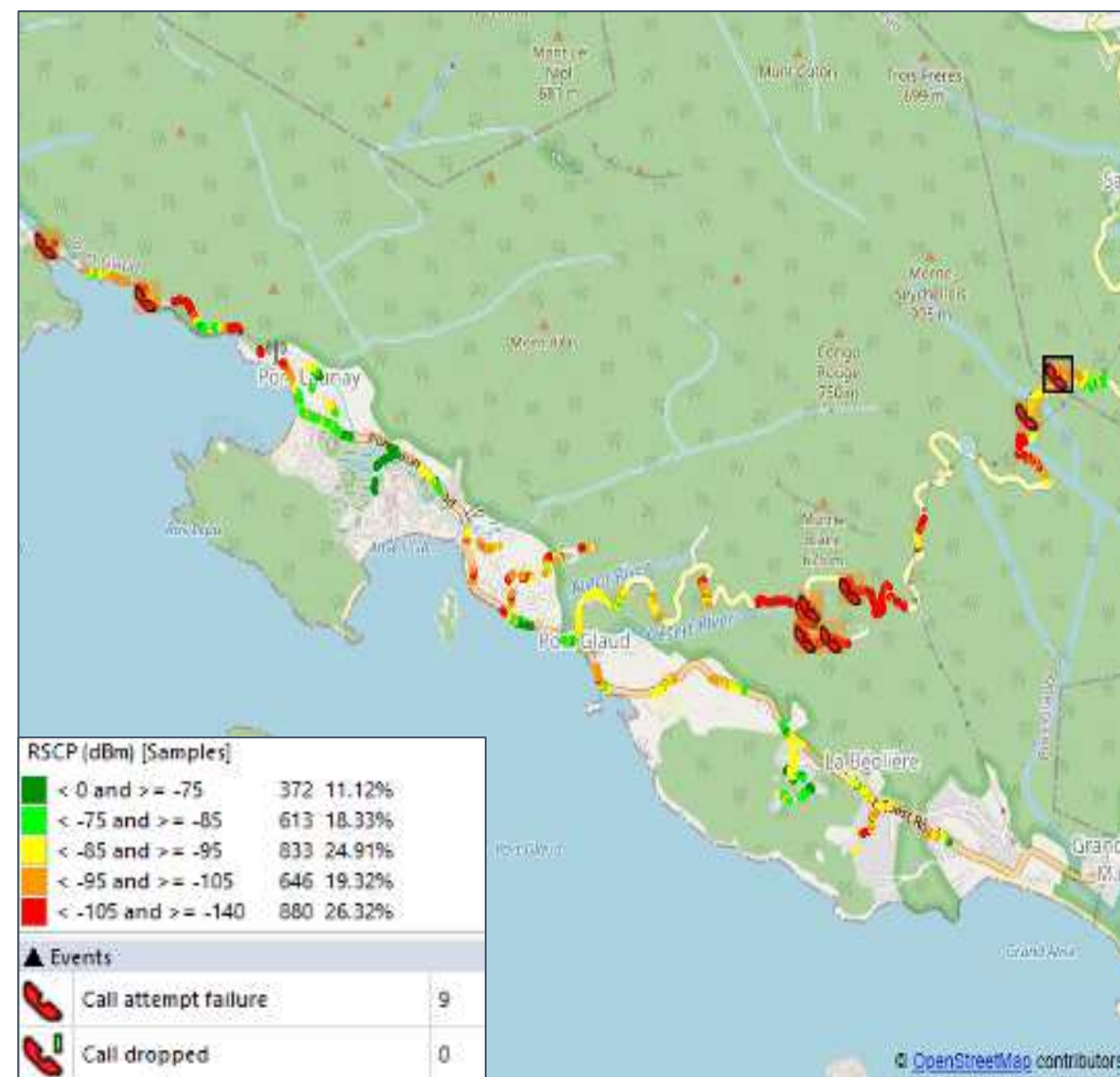
UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	14	12
Success(Count)	12	7
Failure(Count)	2	5
YouTube Access Time (s)	3.48	2.38
YouTube Average Resolution (pixels)	1037.42	1050.79
YouTube Success Ratio [%]	85.71	58.33

Voice Call Events

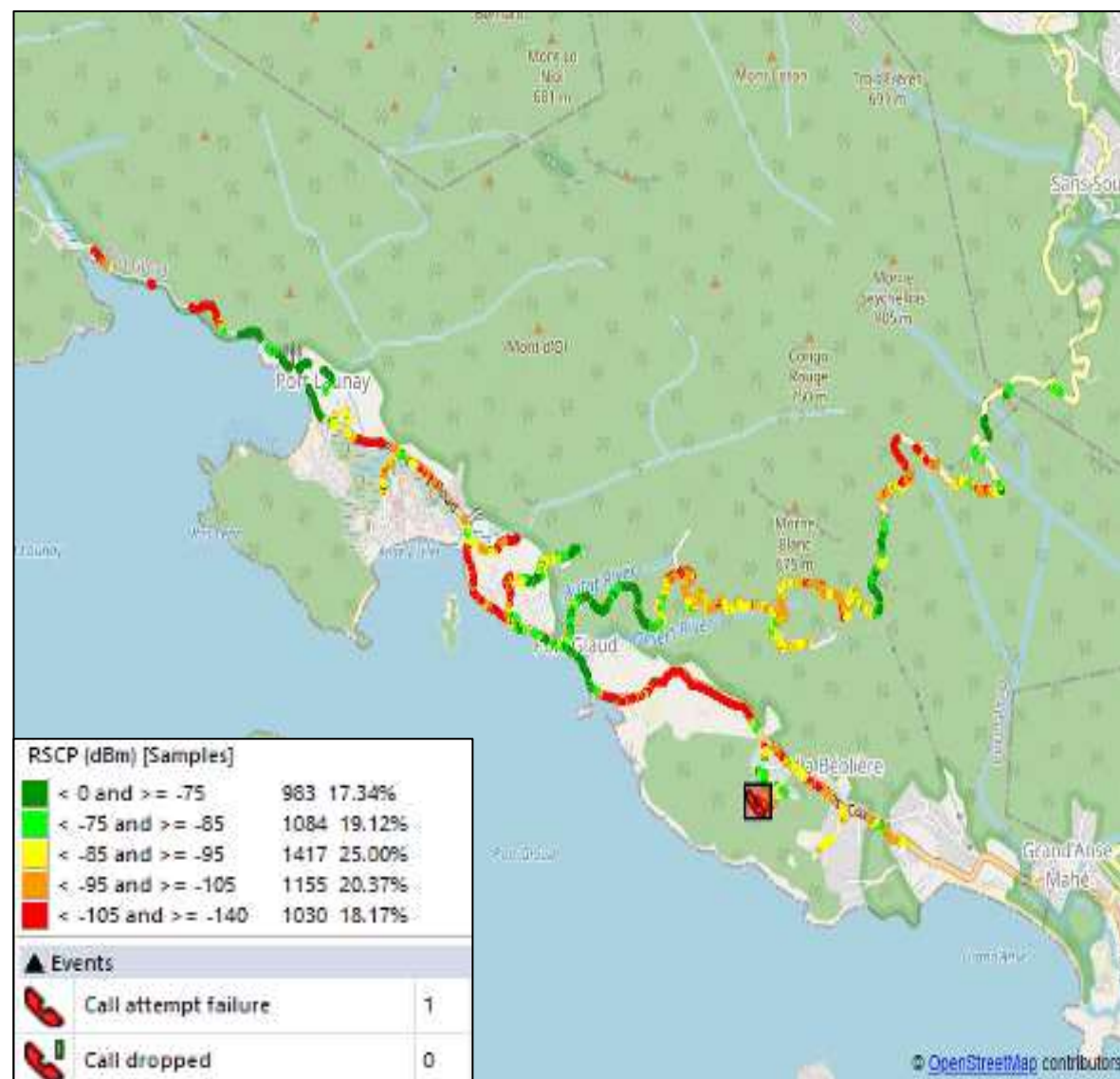
Airtel SC MO



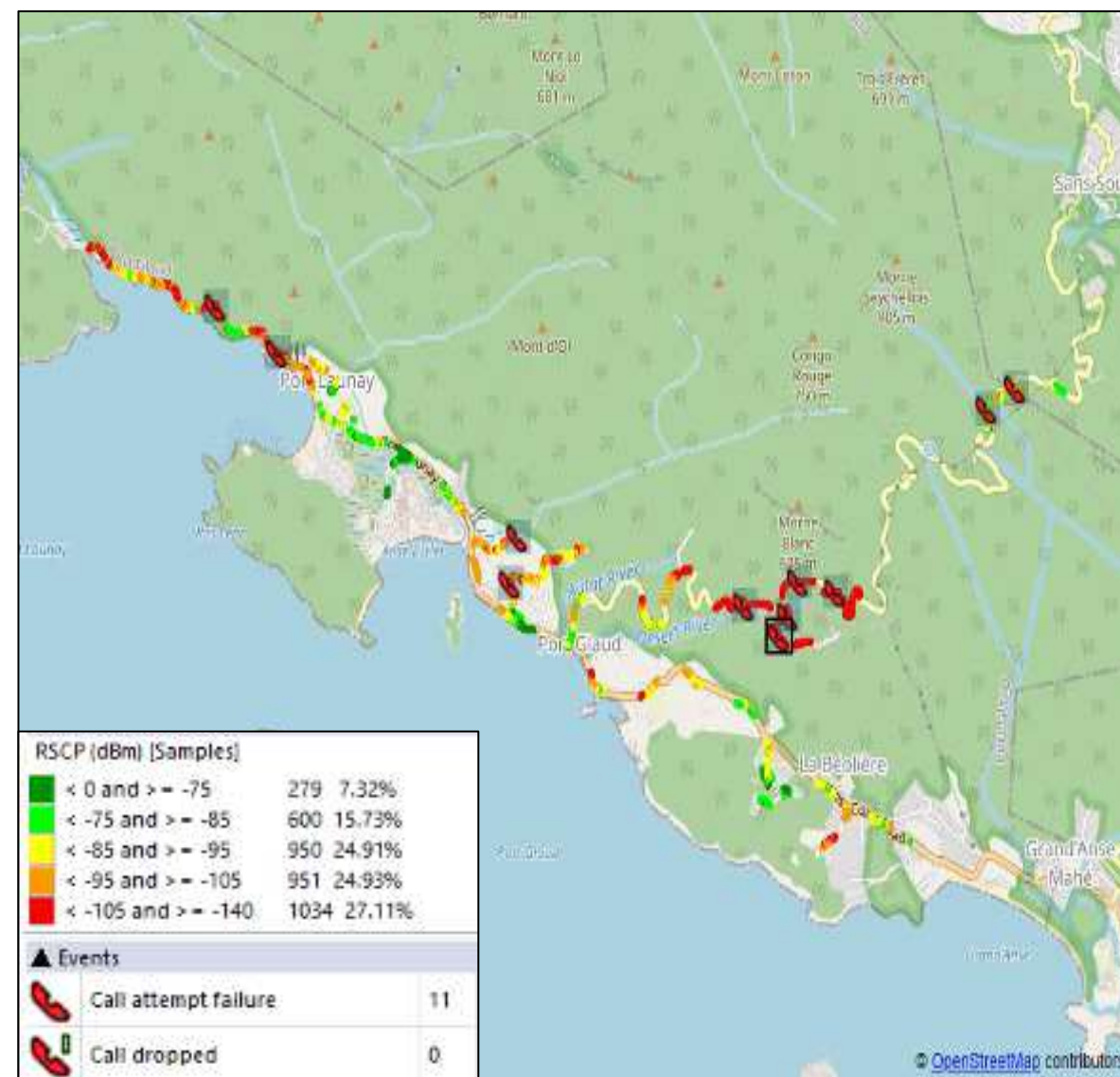
CWS SC MO



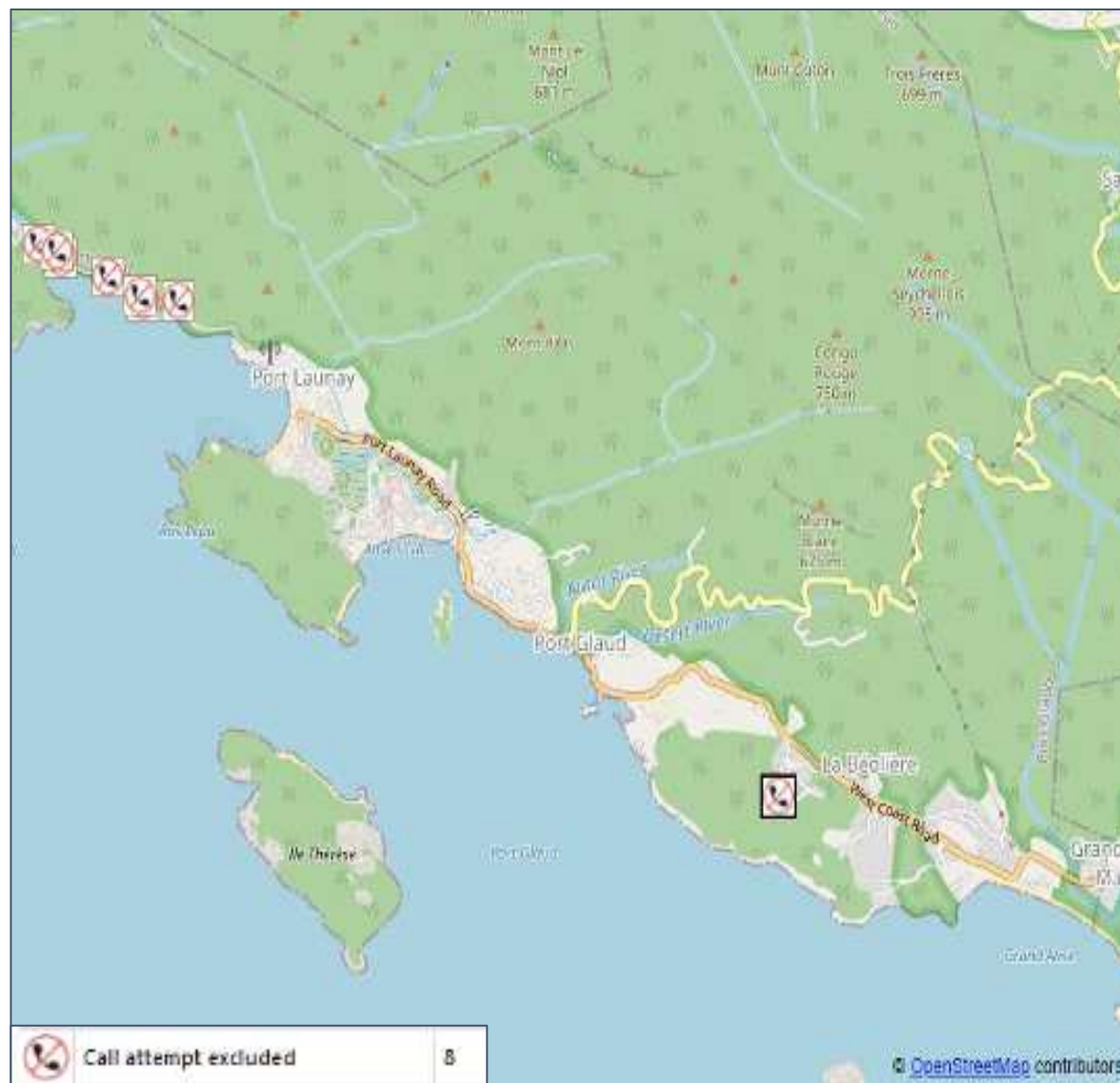
Airtel SC MO



CWS SC MO



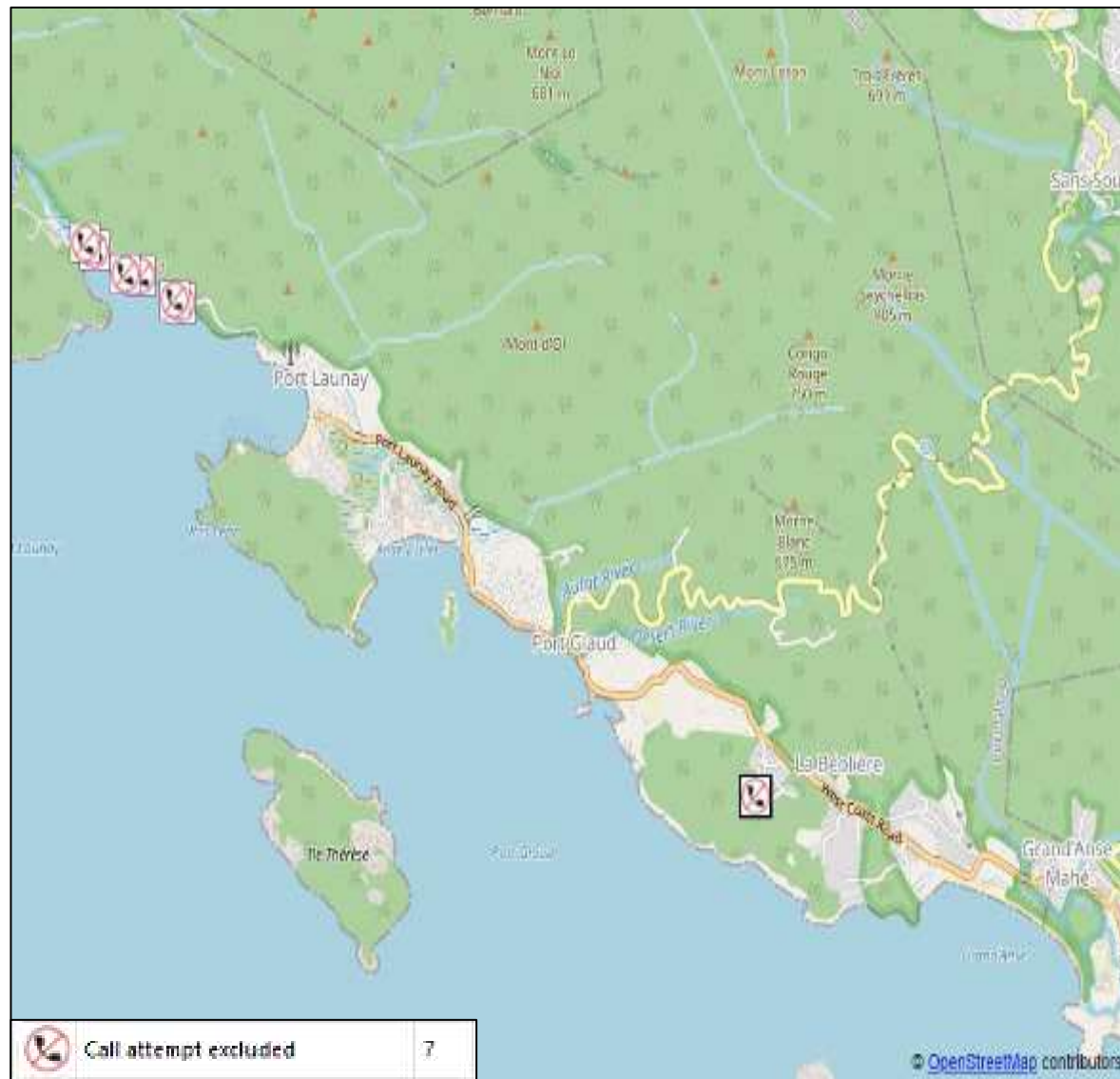
Airtel SC MO



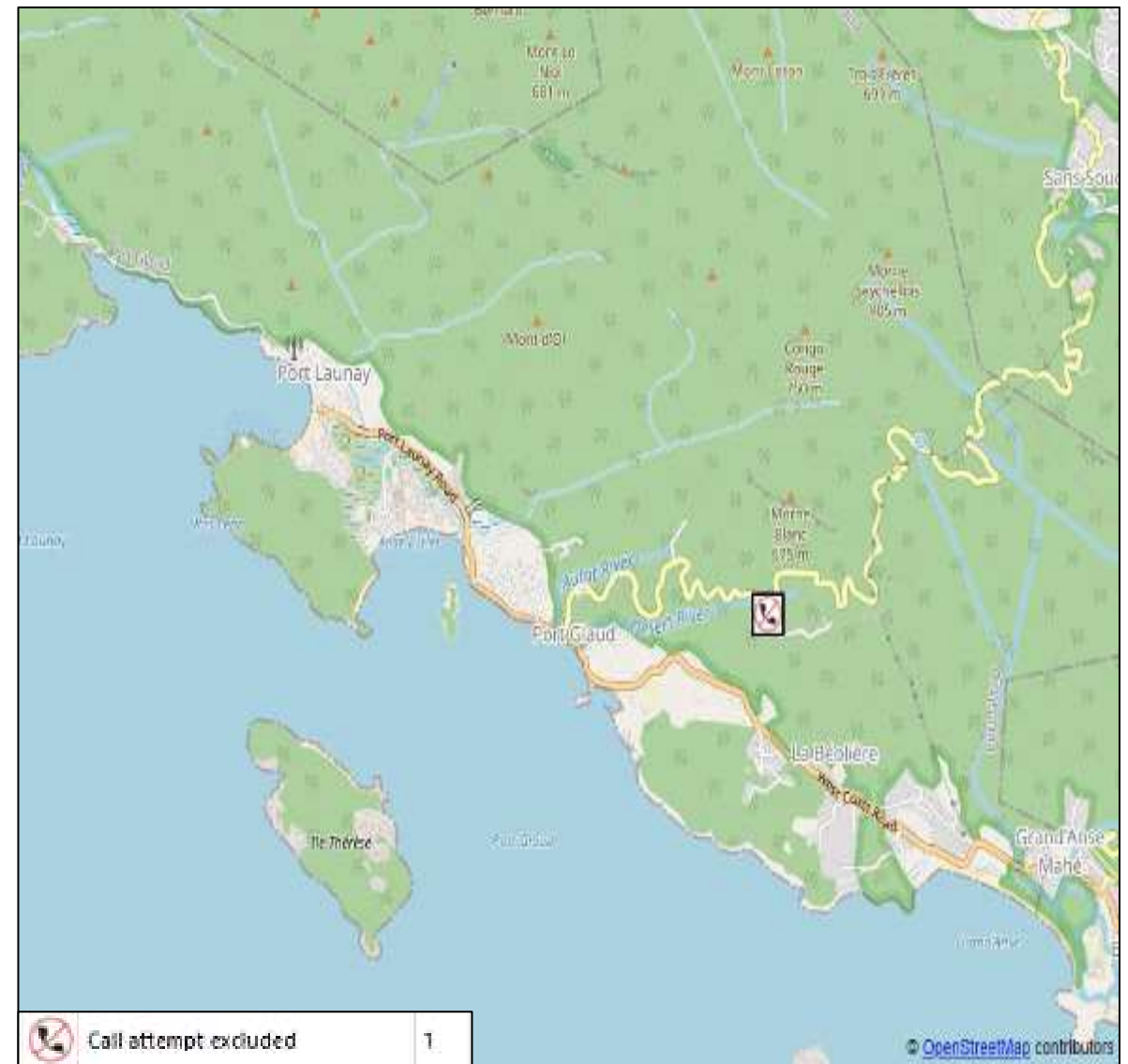
CWS SC MO



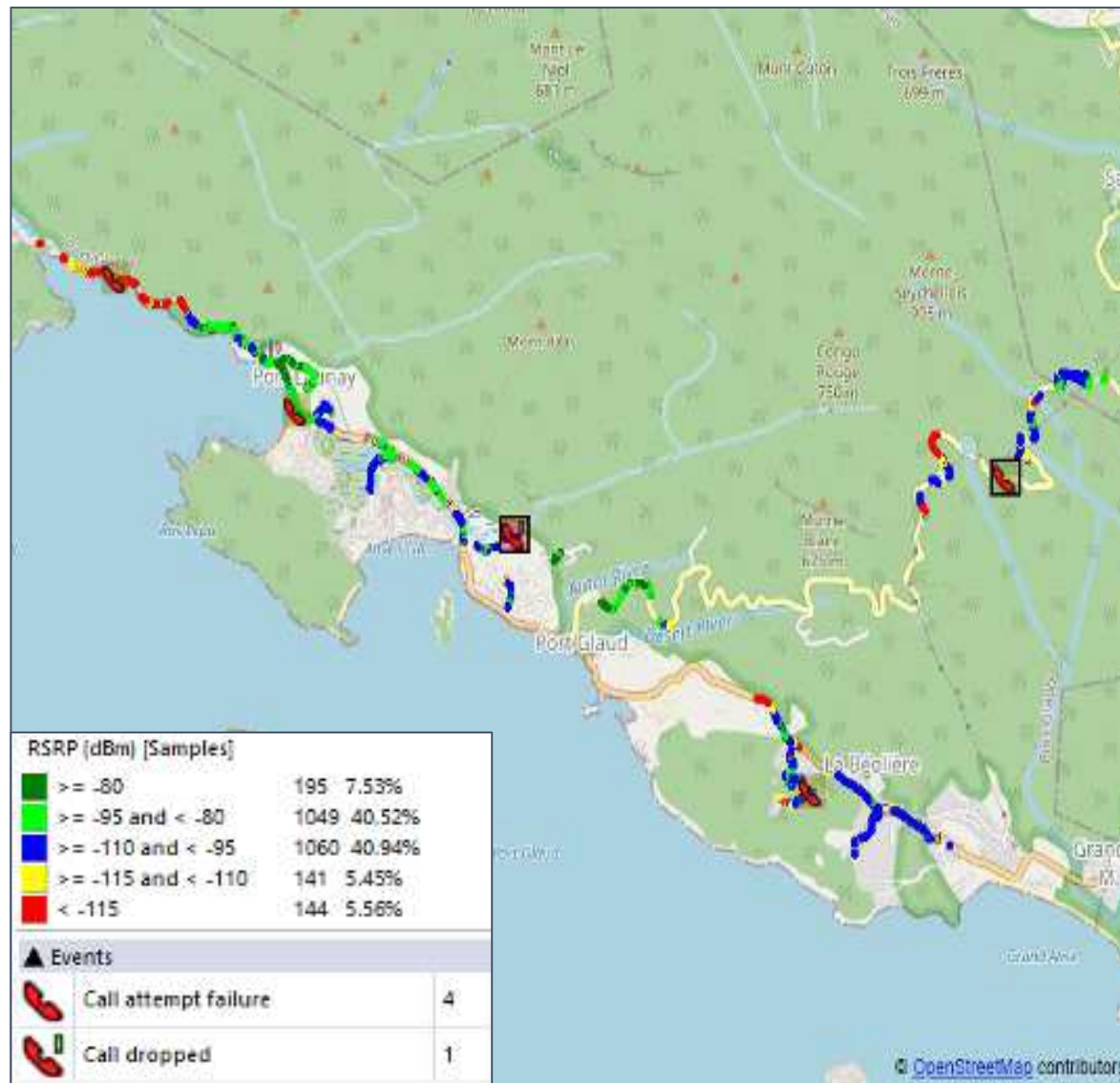
Airtel SC MO



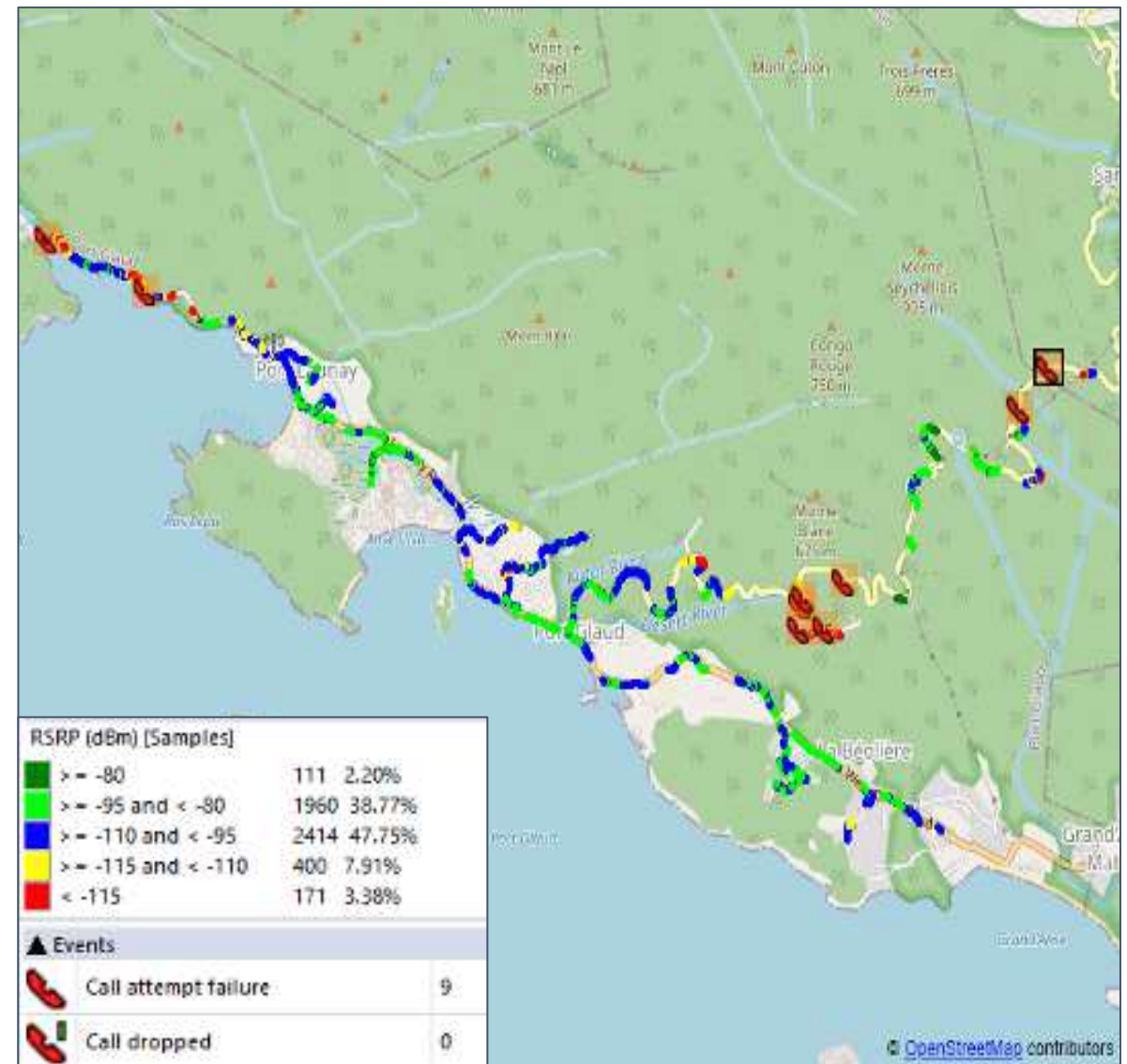
CWS SC MO



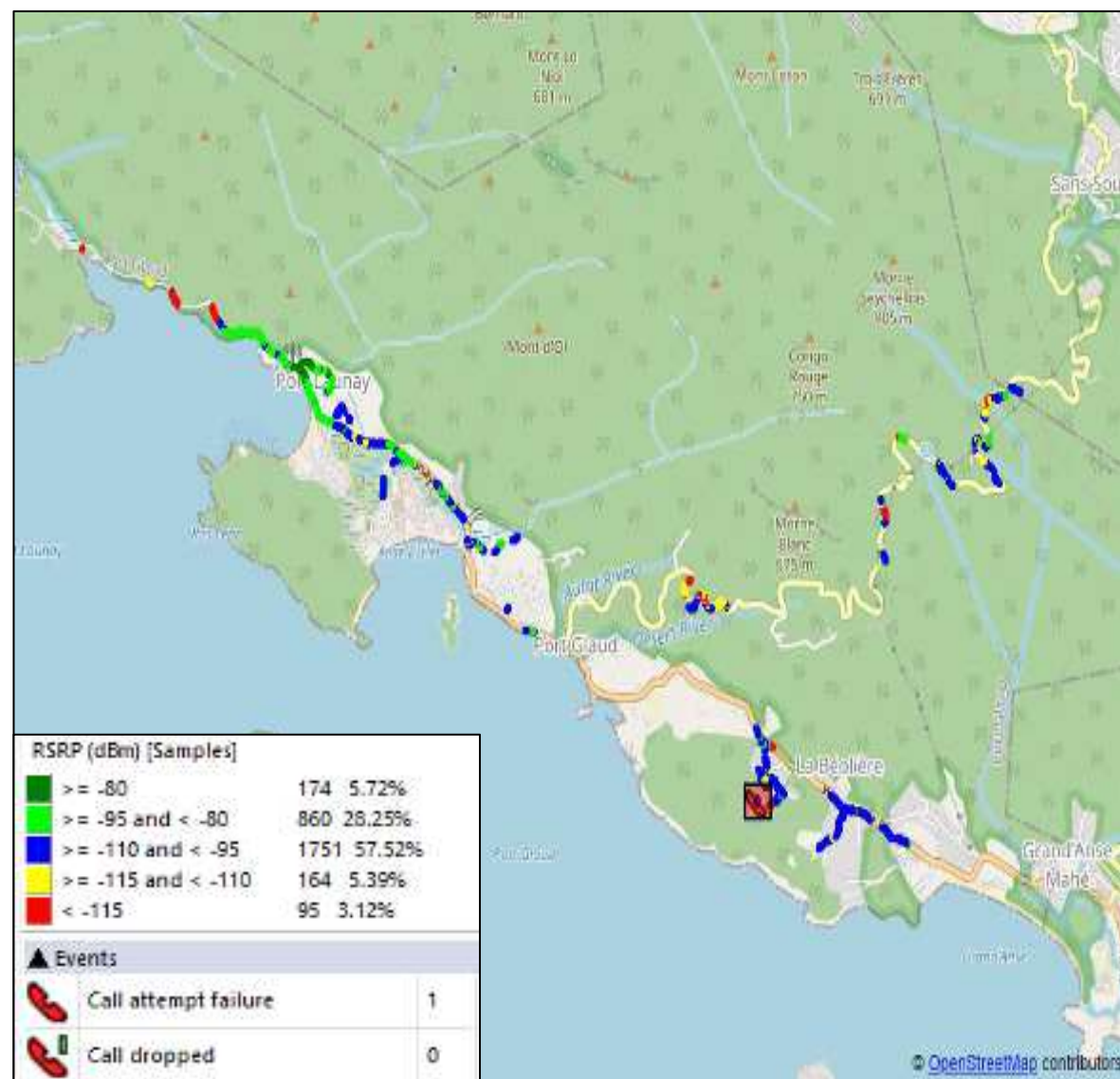
Airtel SC MO



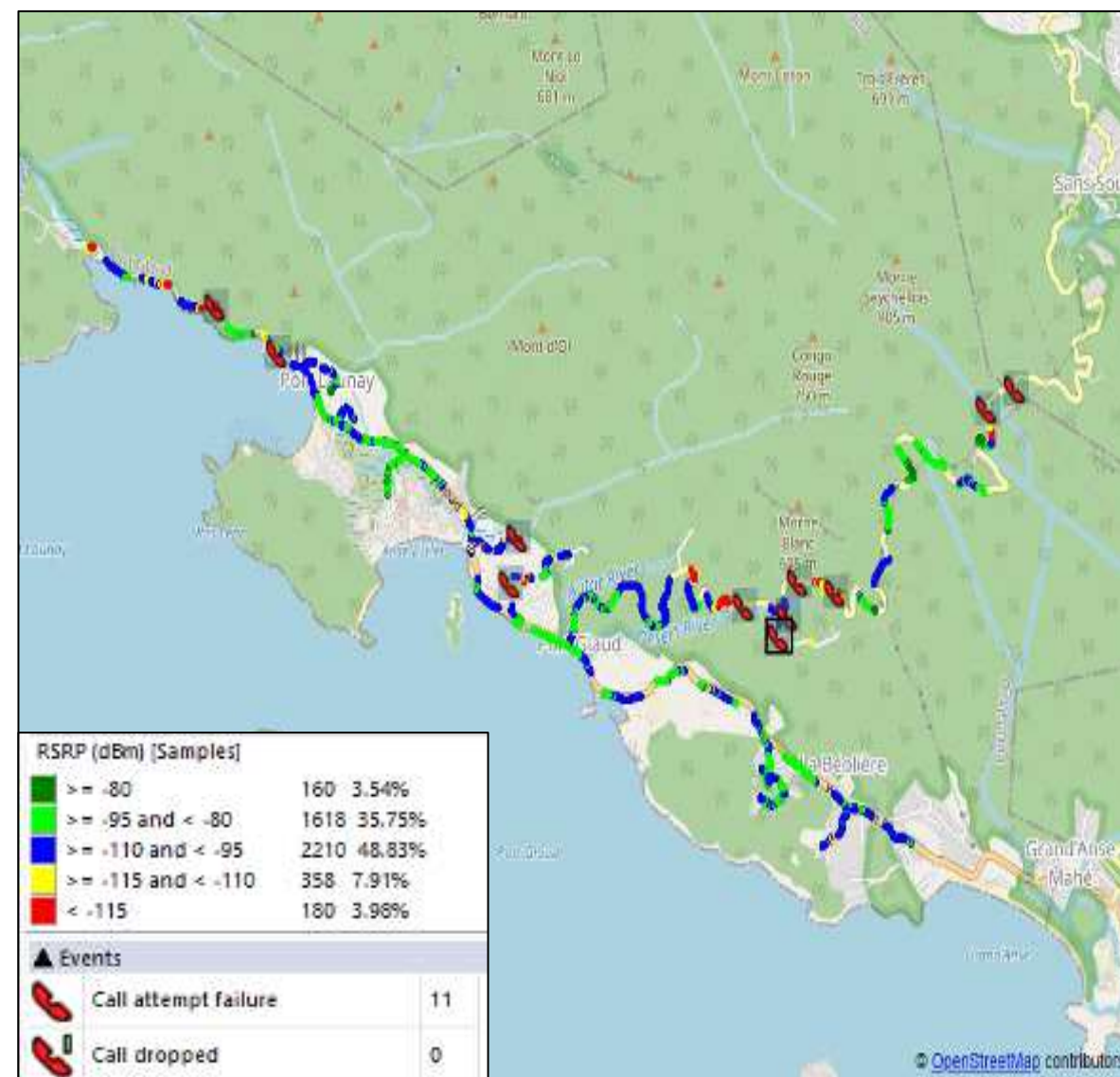
CWS SC MO



Airtel SC MO



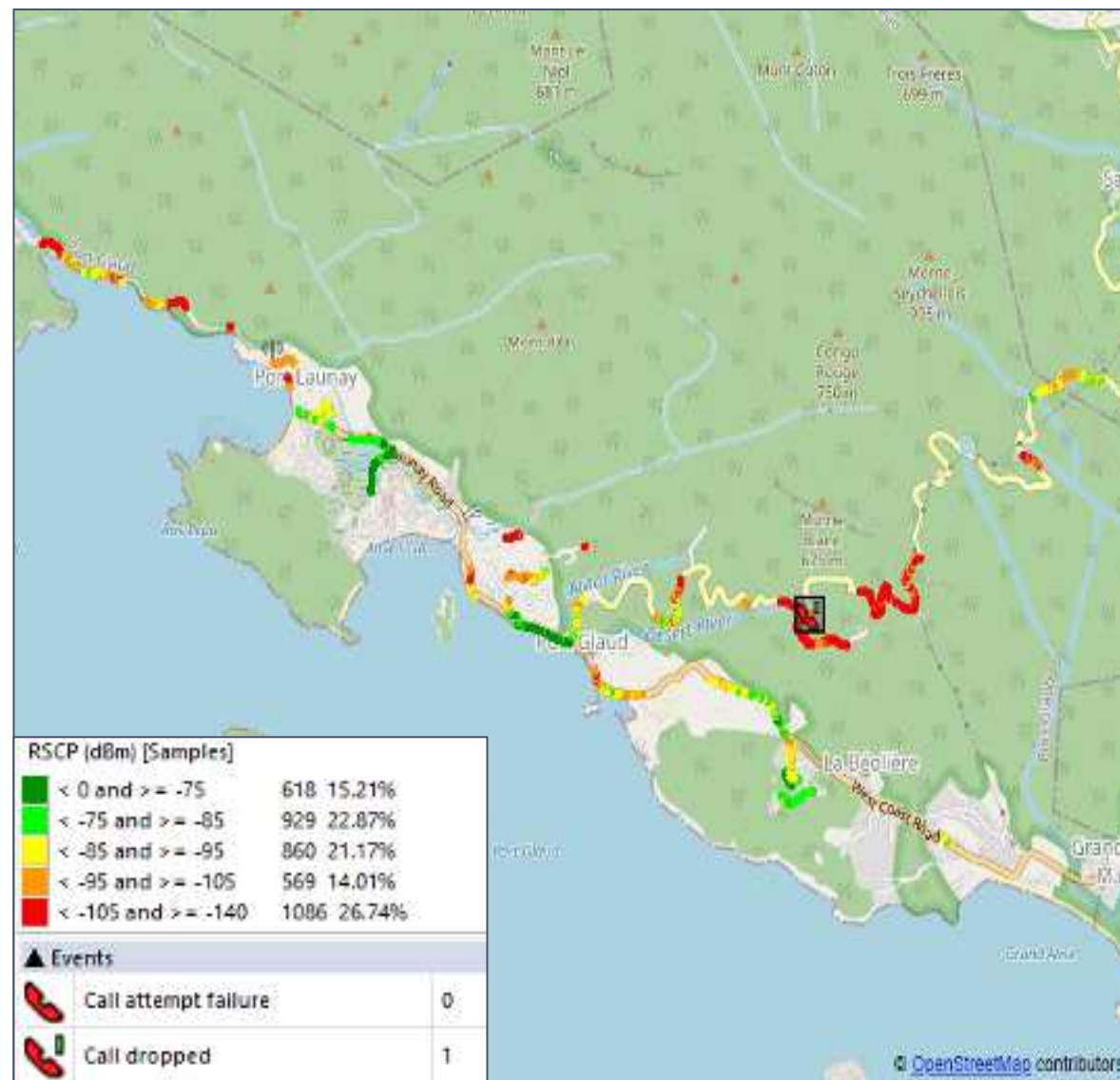
CWS SC MO



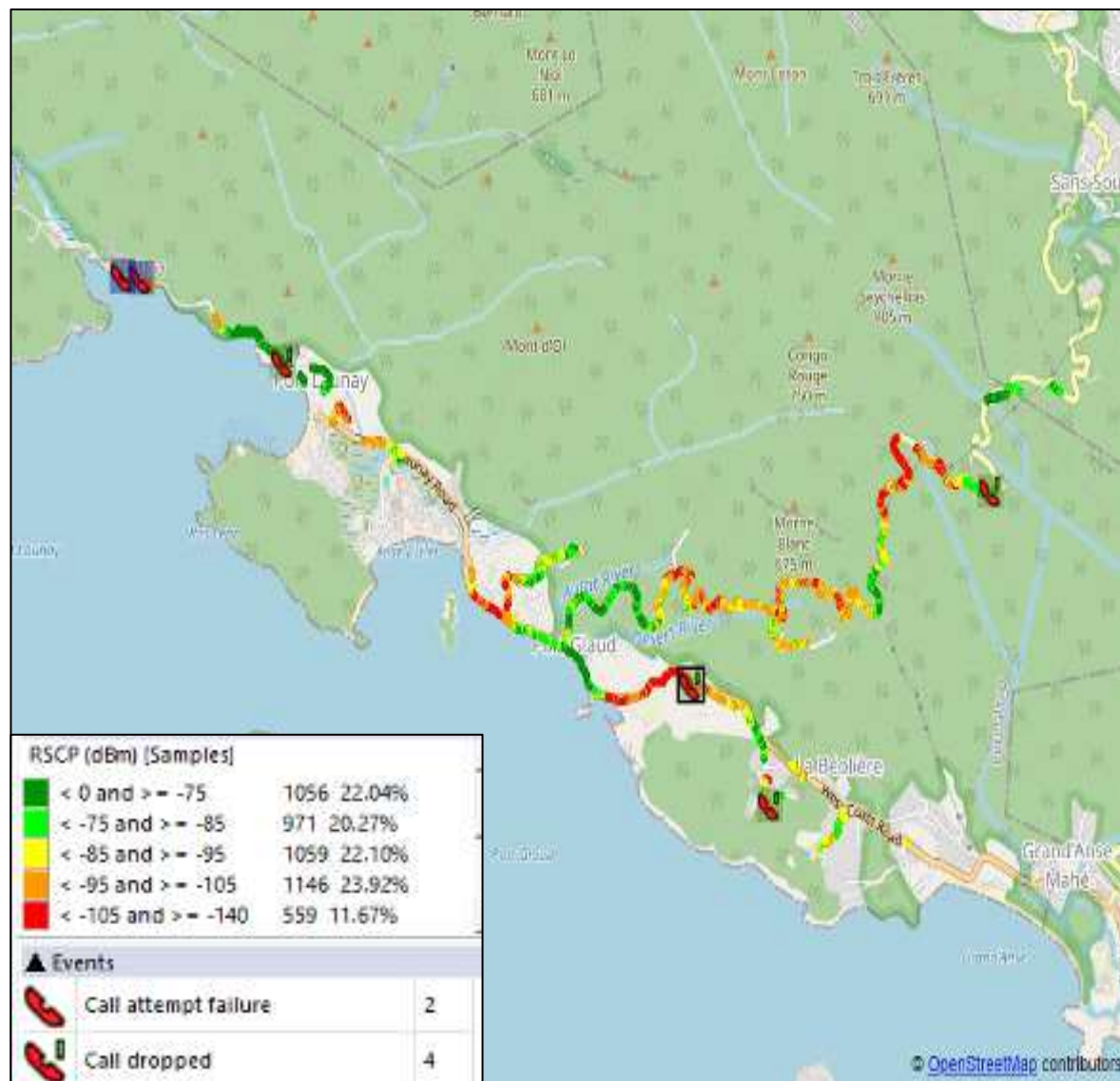
Airtel LC MO



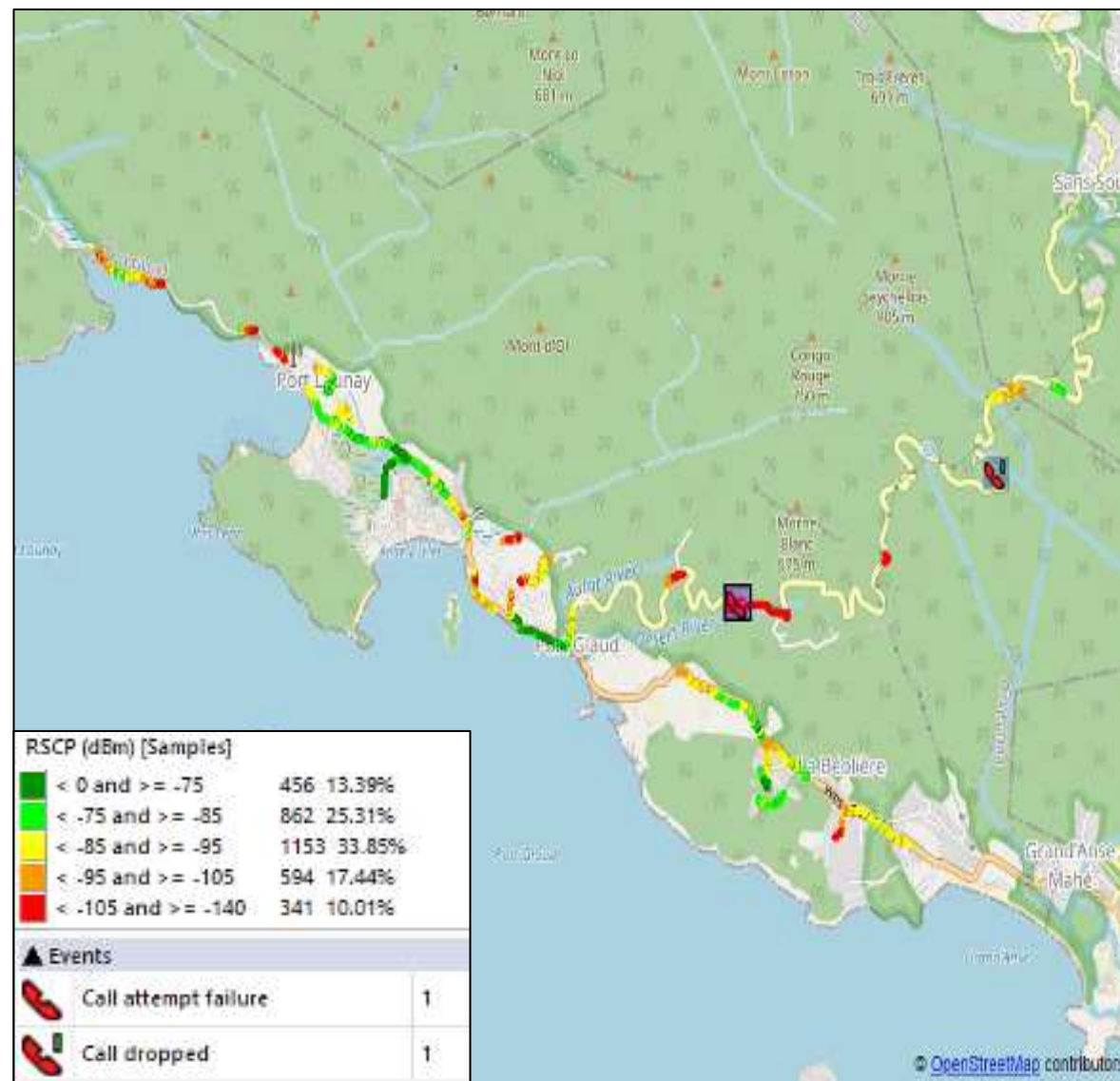
CWS LC MO



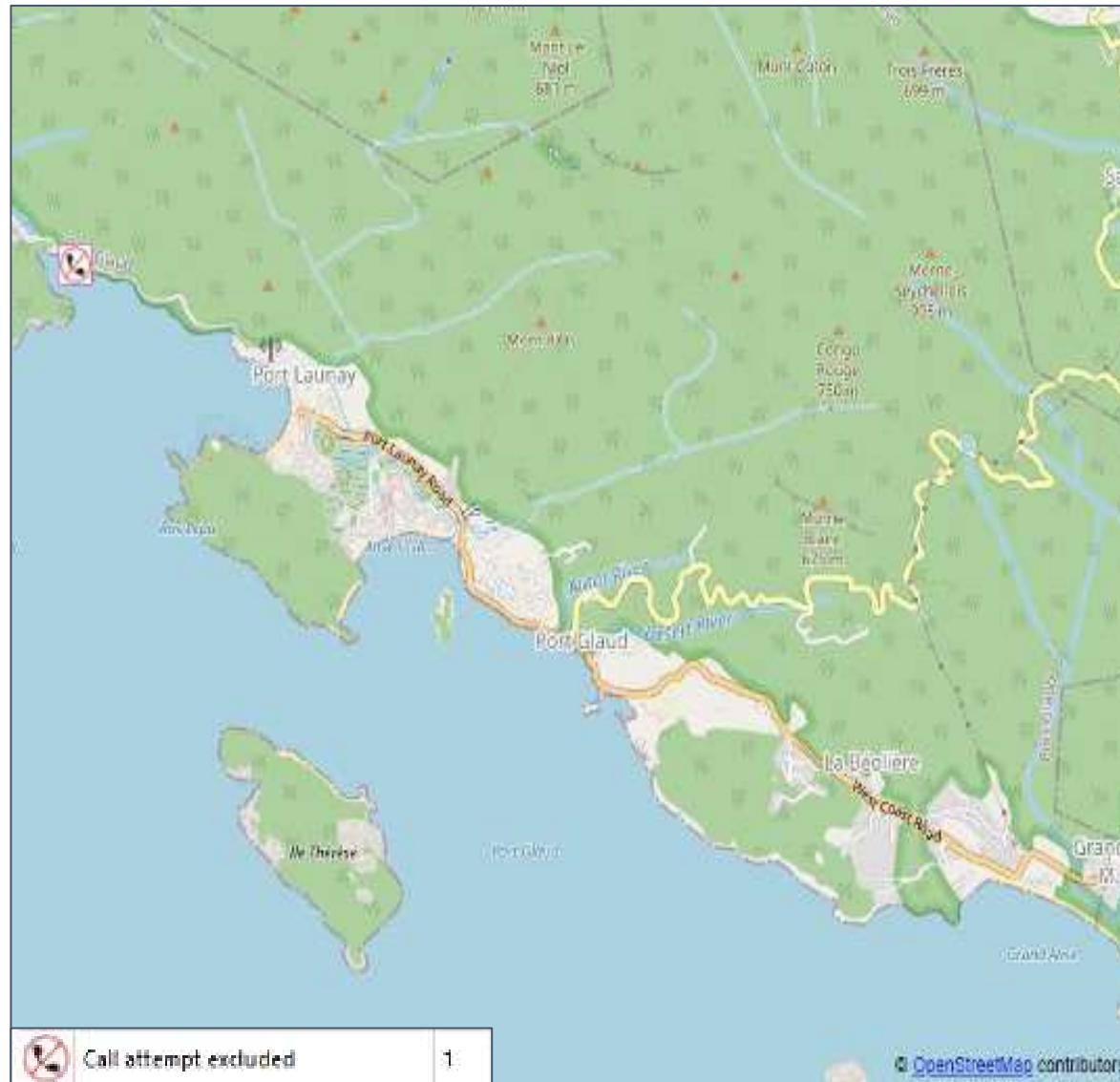
Airtel LC MO



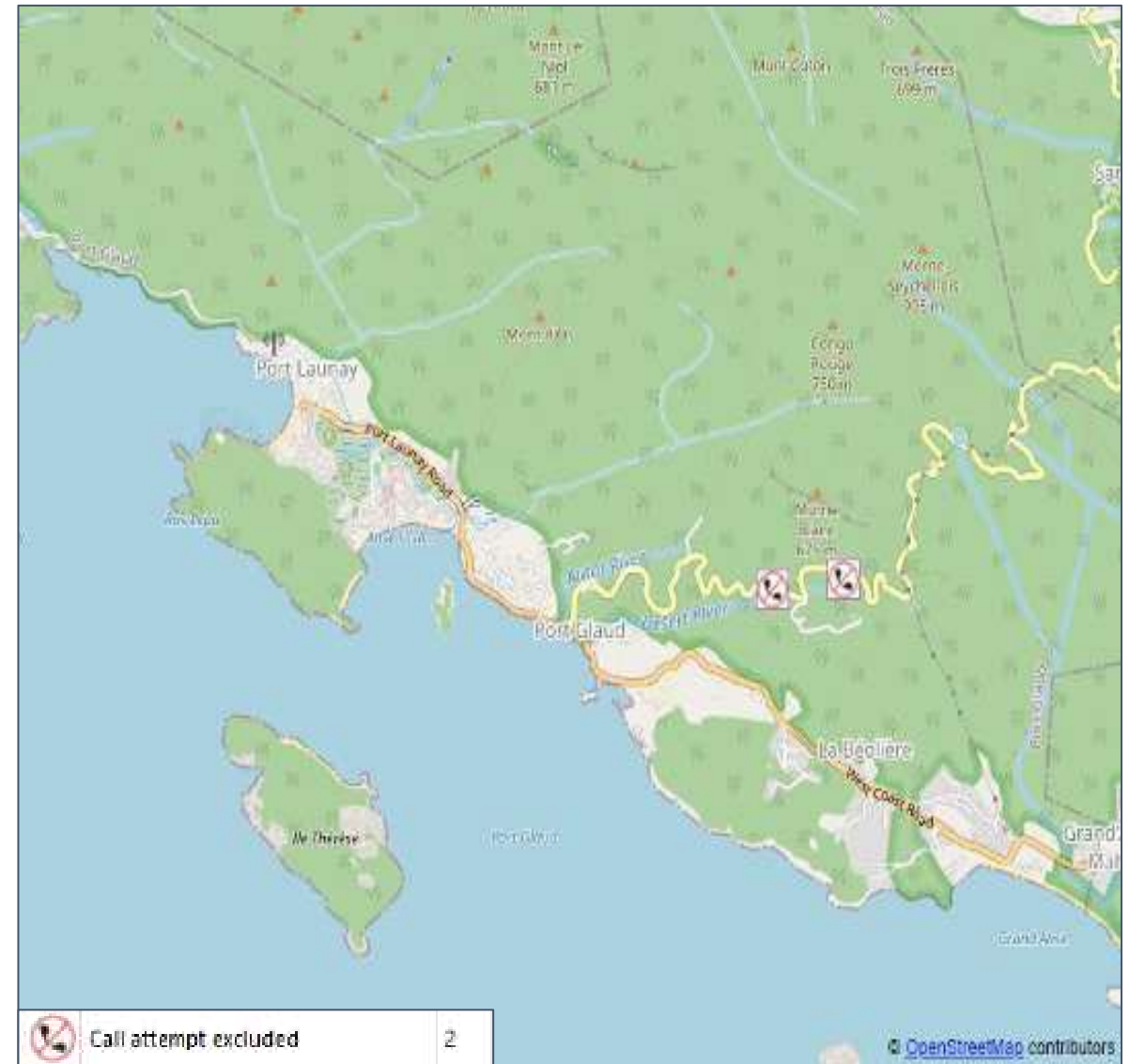
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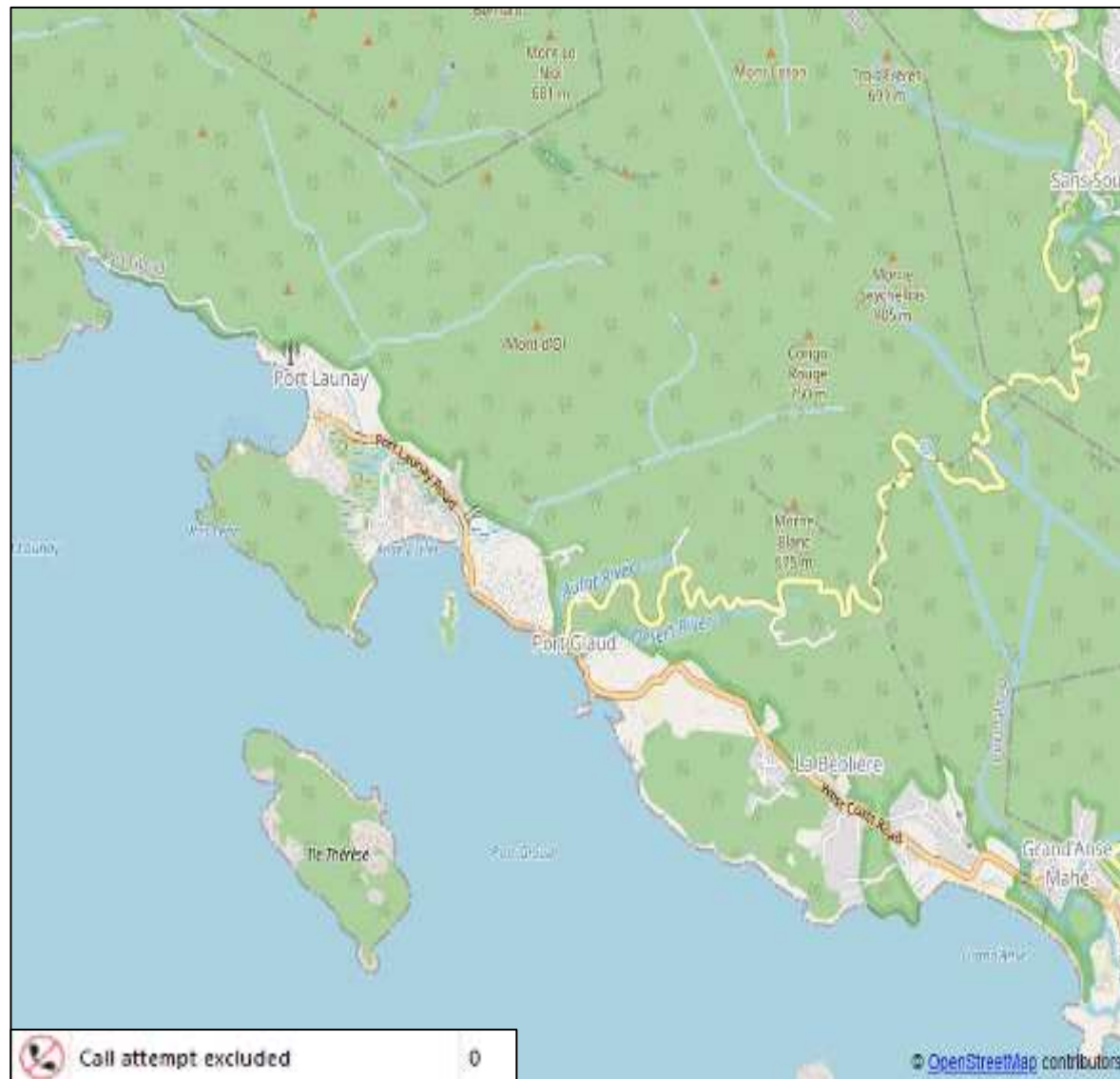
Airtel LC MO



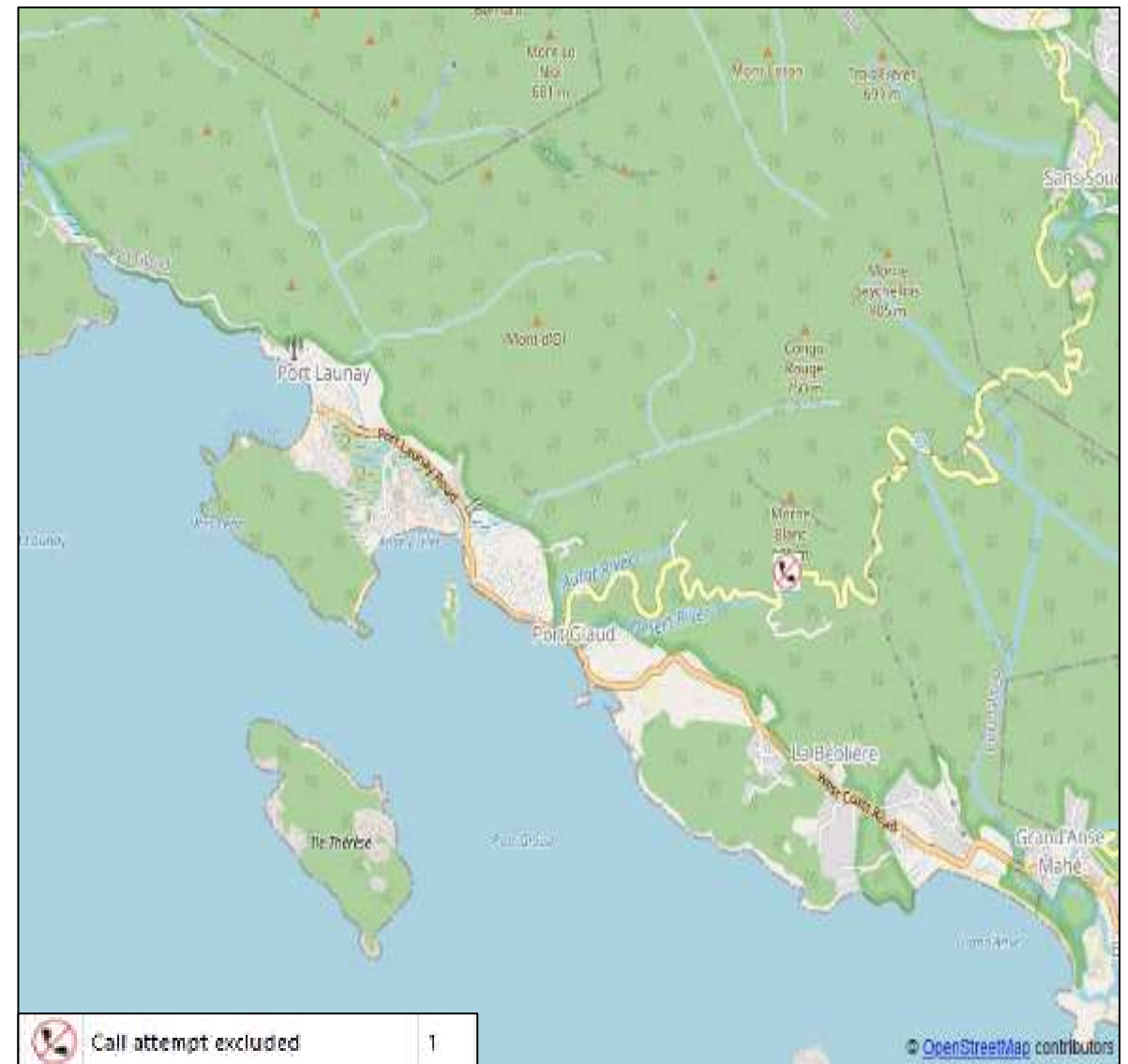
CWS LC MO



Airtel LC MO



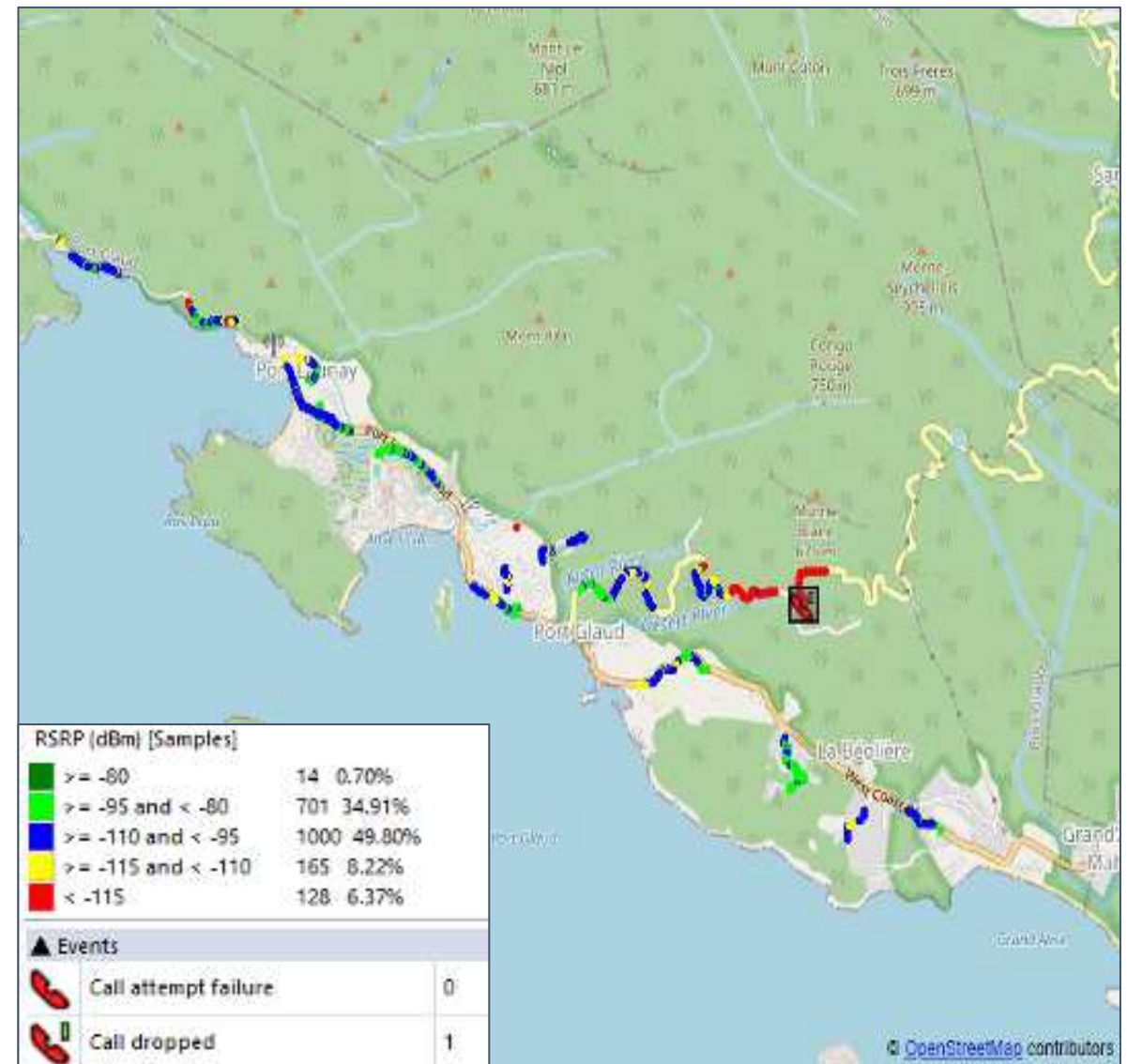
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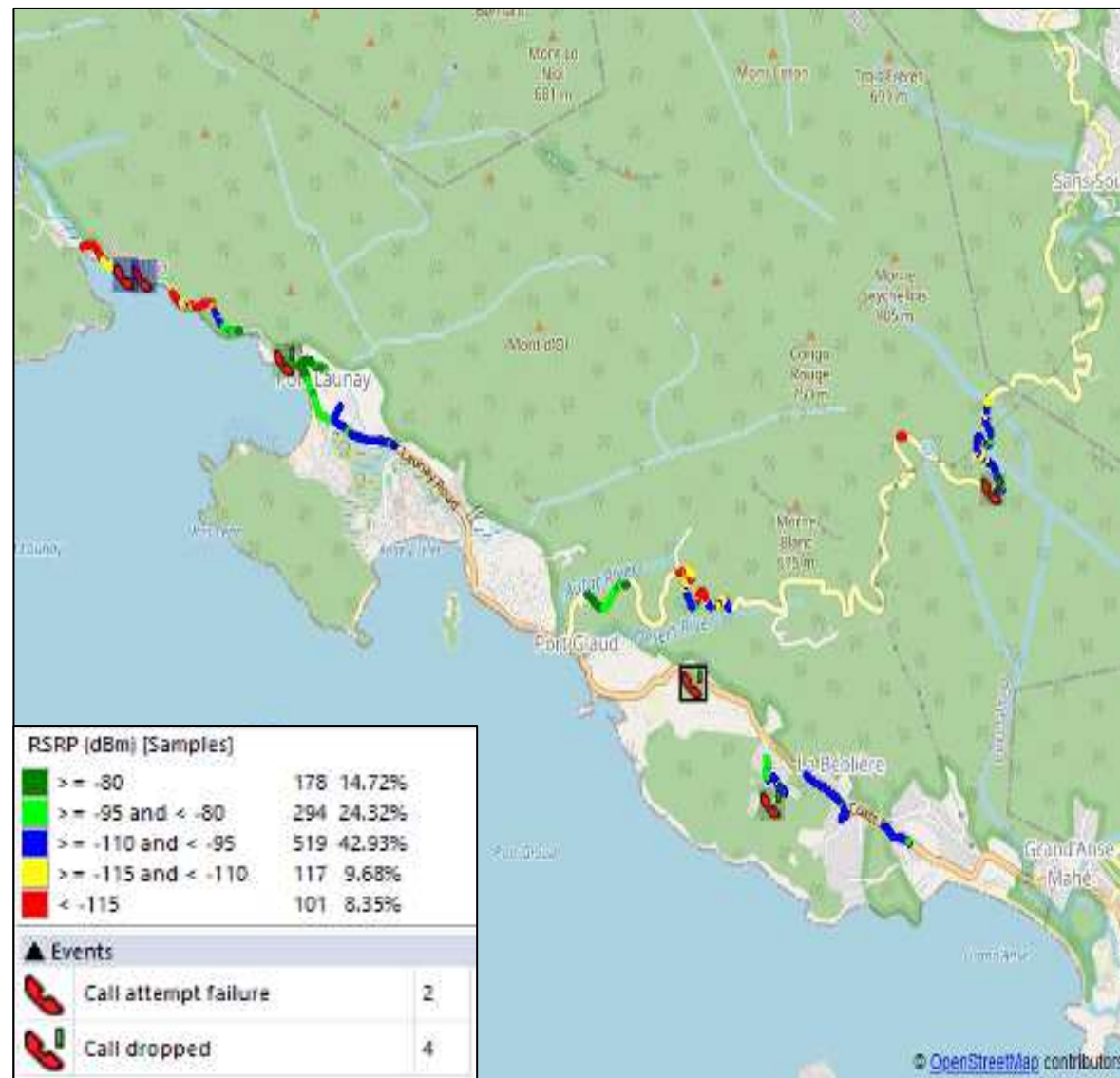
Airtel LC MO



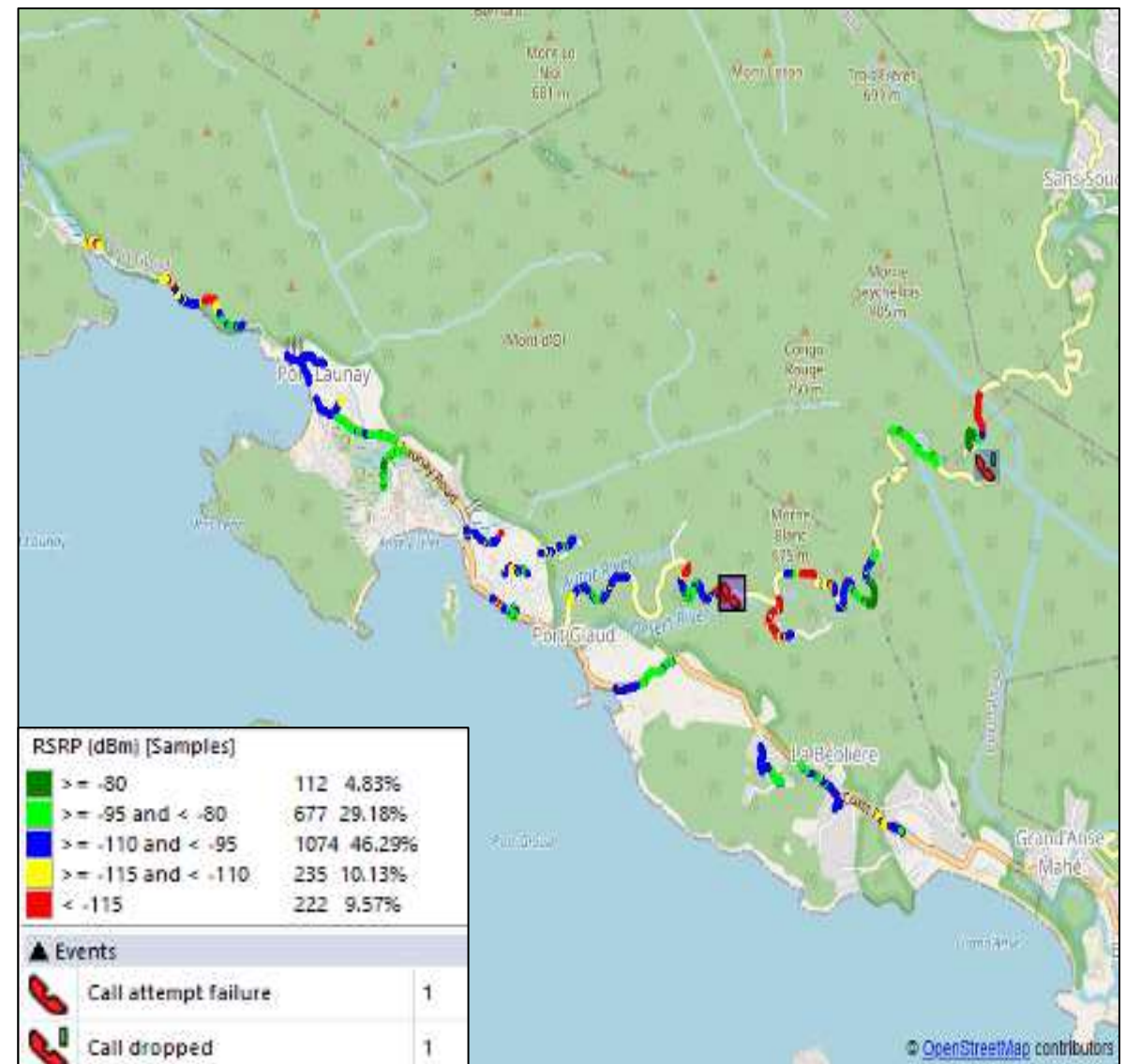
CWS LC MO



Airtel LC MO



CWS LC MO



LONG CALL DRIVE PLOTS

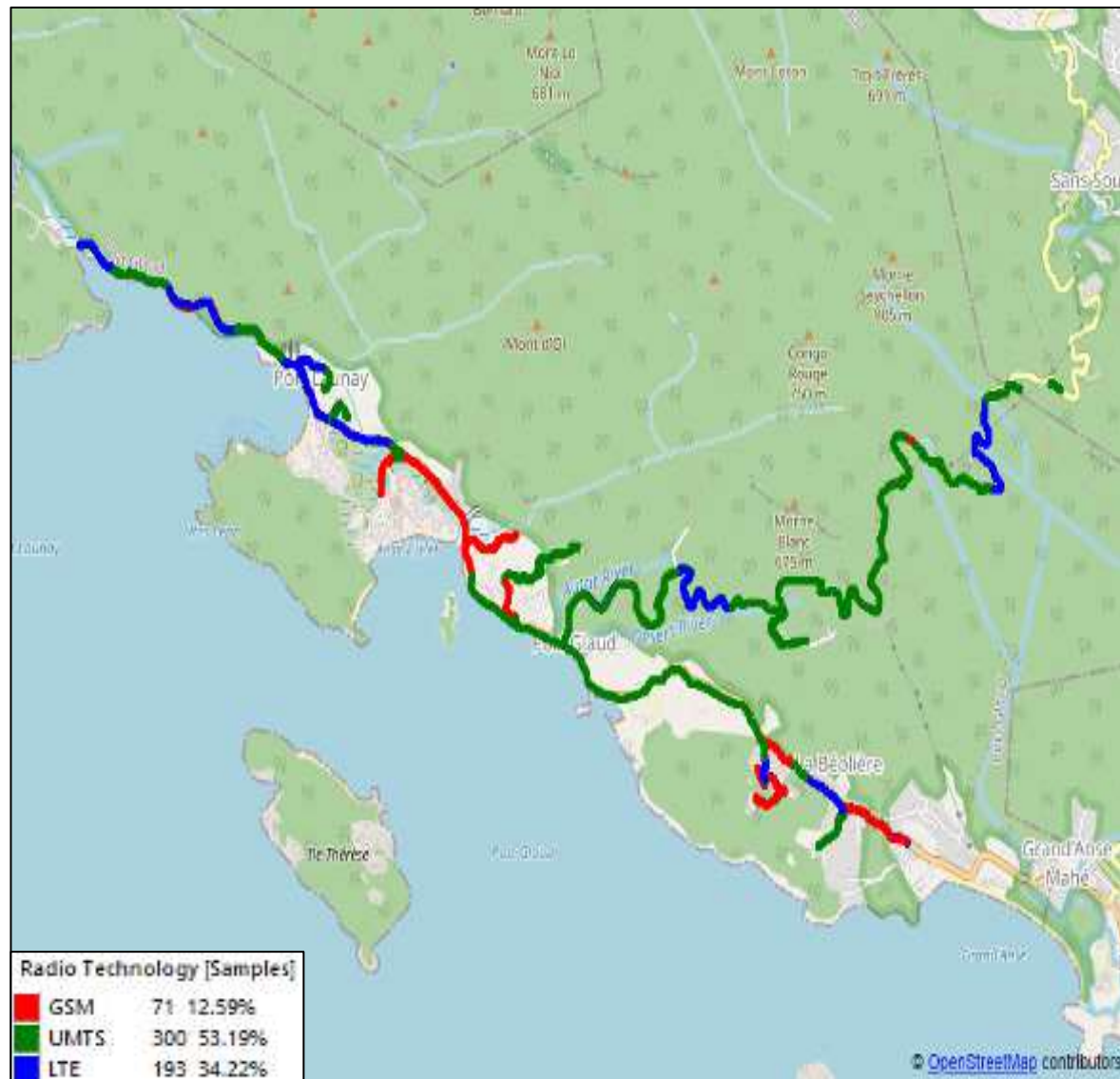
Airtel LC MO



CWS LC MO



Airtel LC MO



CWS LC MO



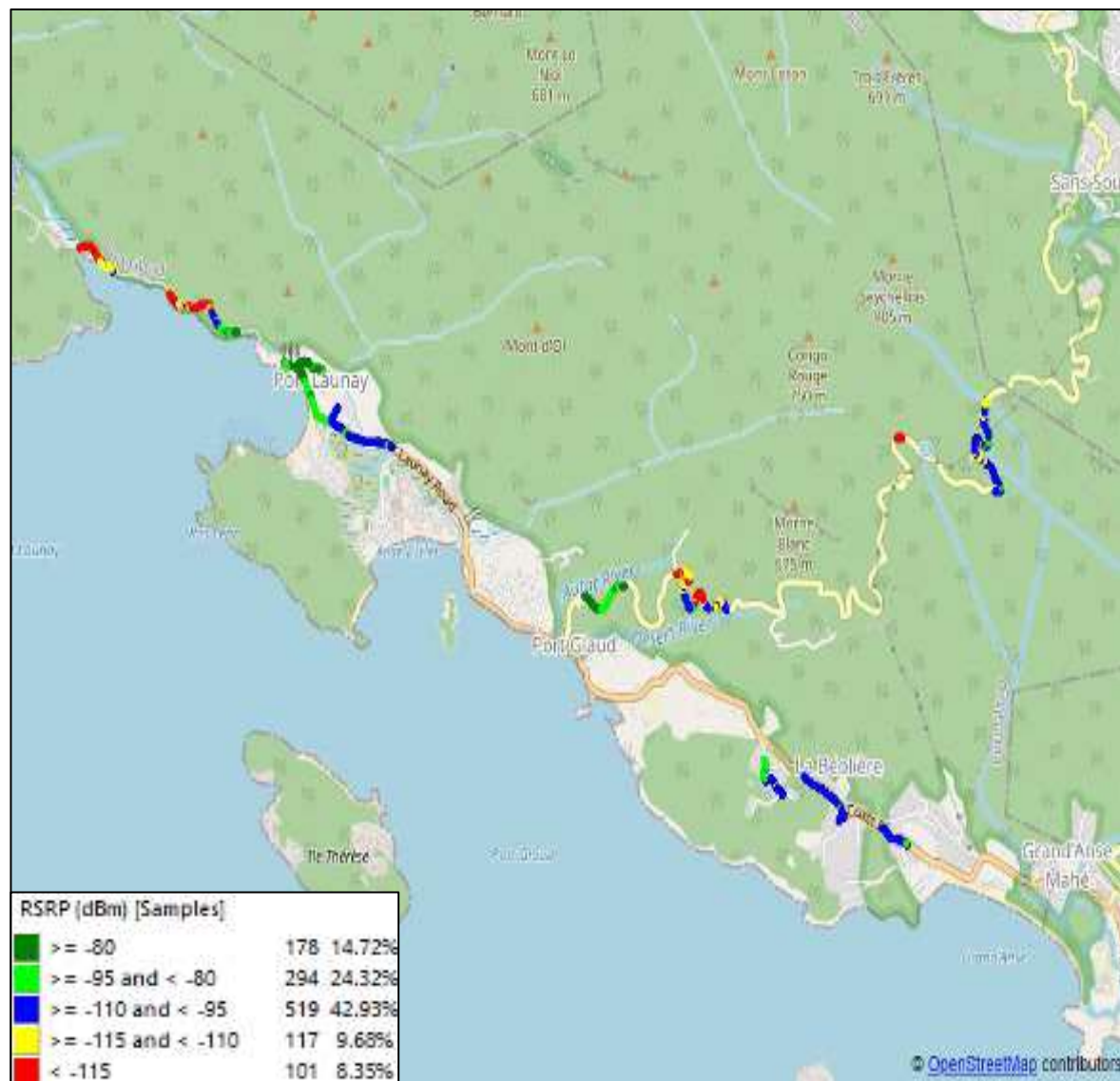
Airtel LC MO



CWS LC MO



Airtel LC MO



CWS LC MO



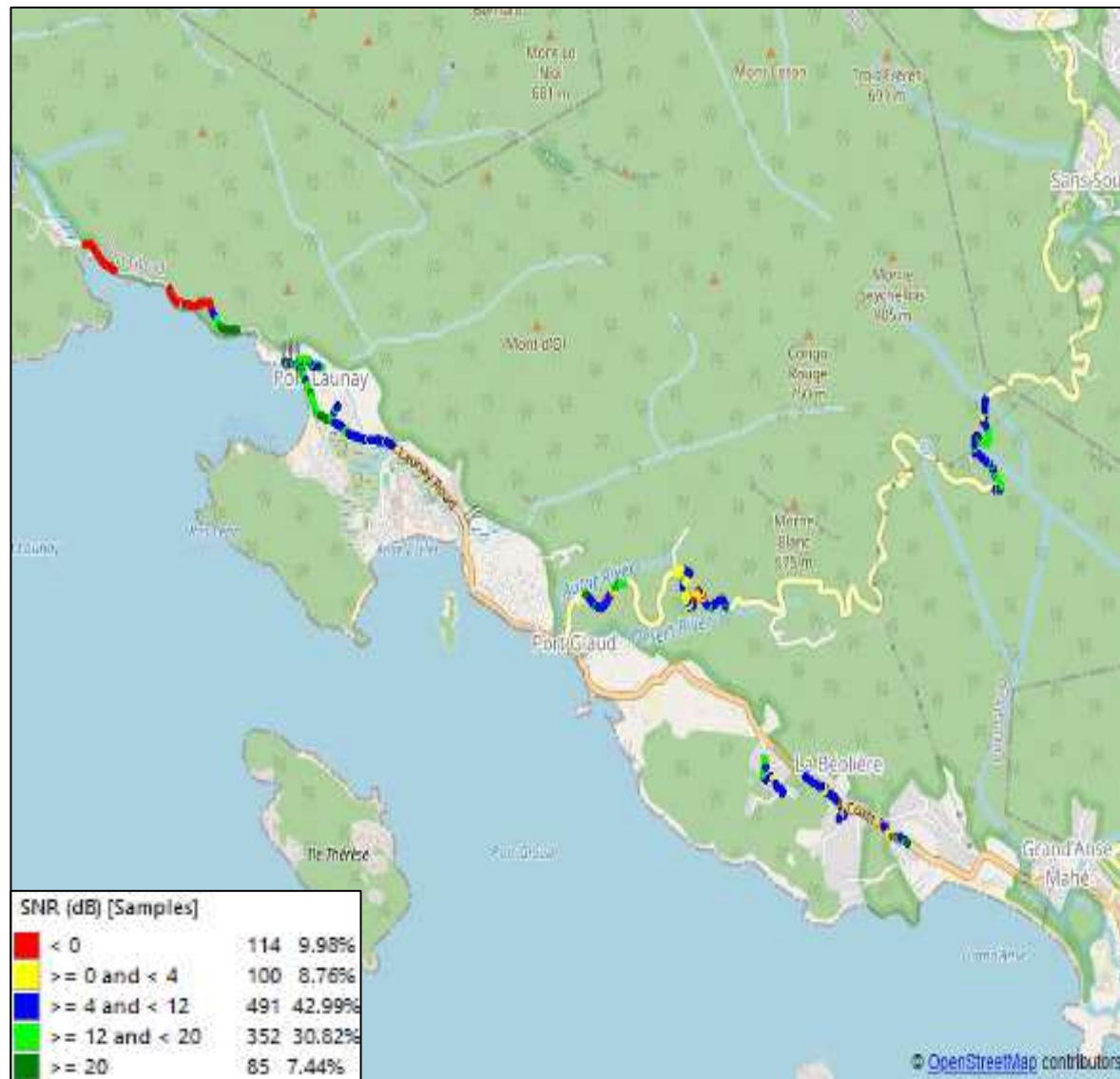
Airtel LC MO



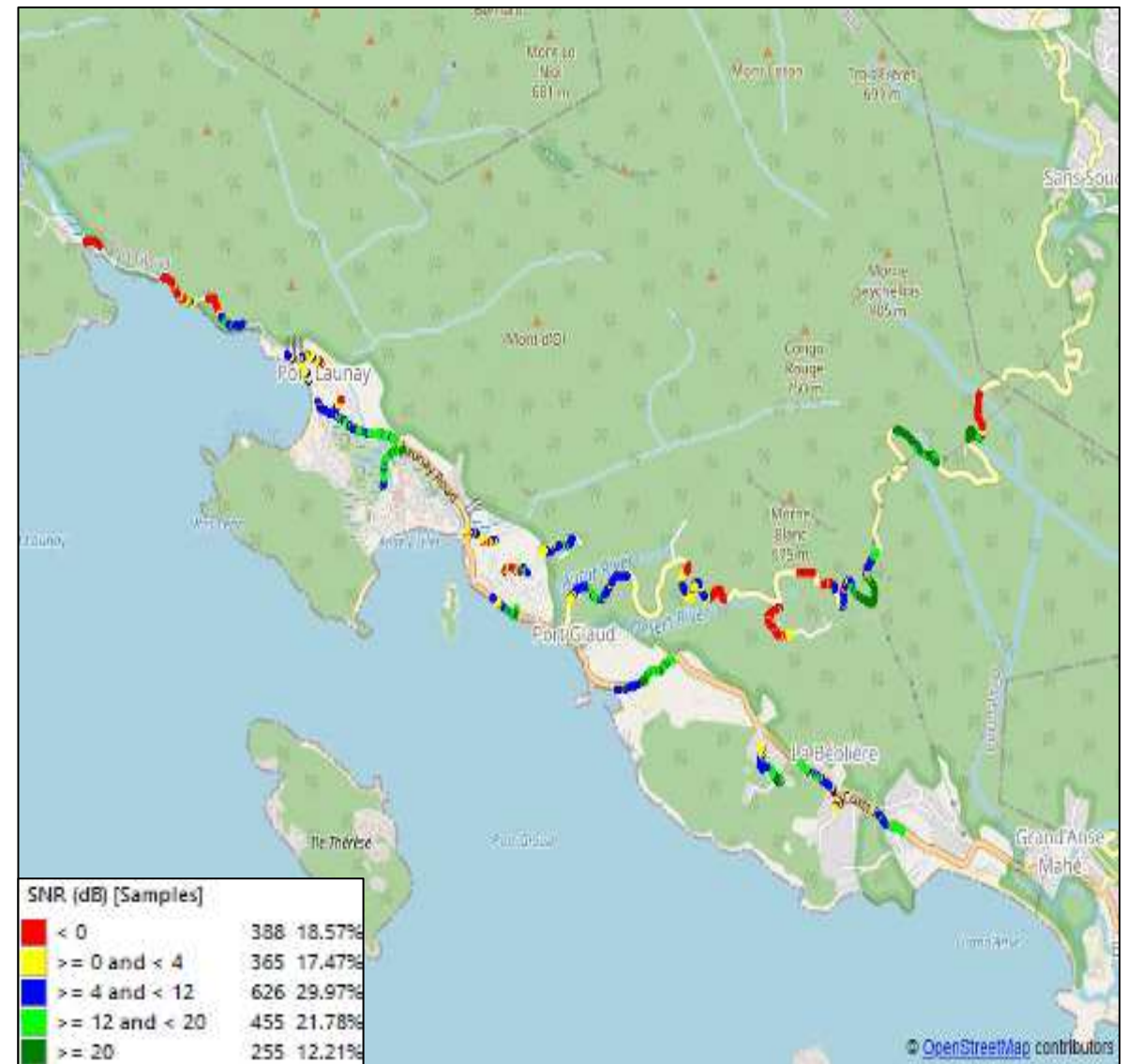
CWS LC MO



Airtel LC MO



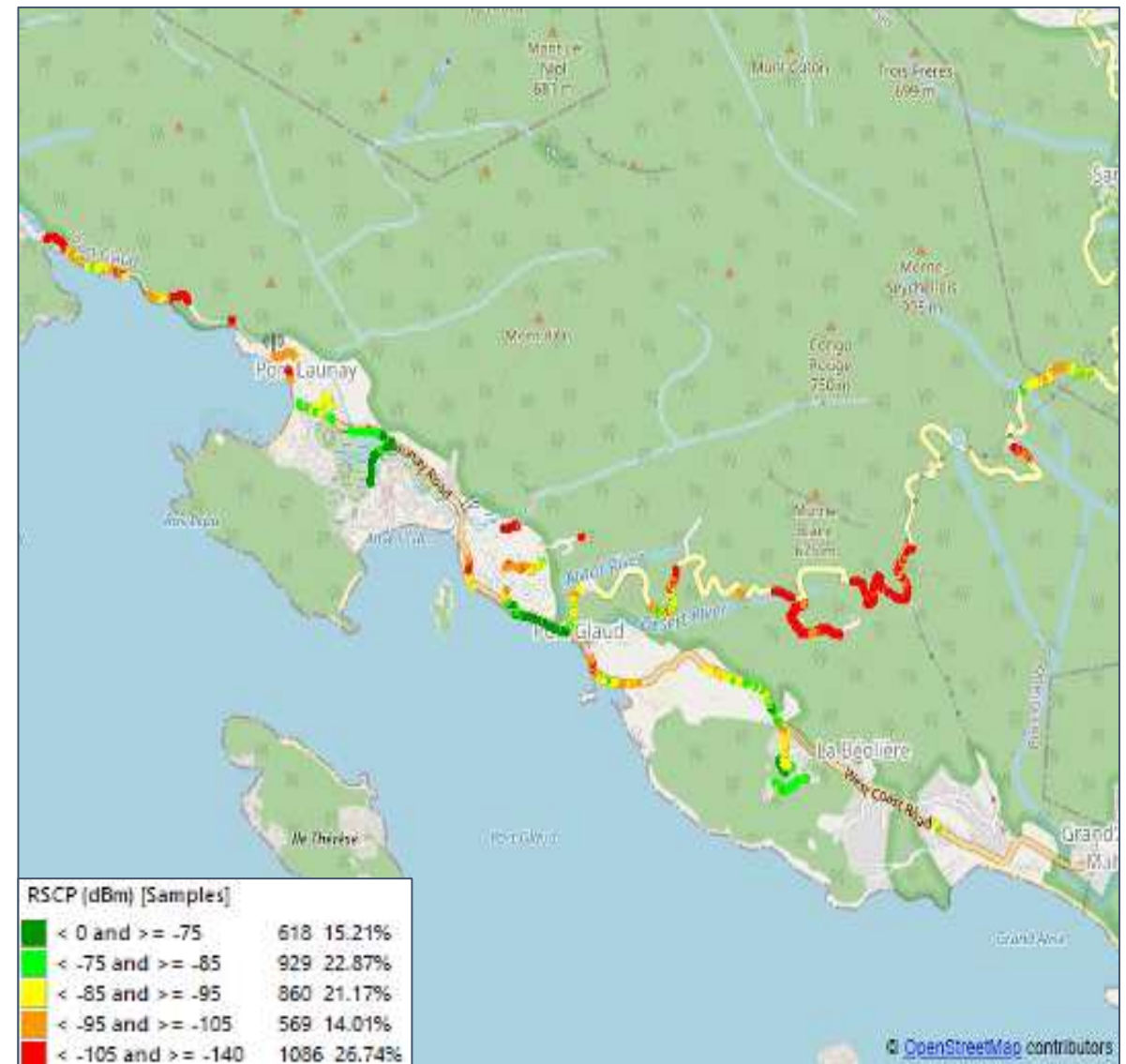
CWS LC MO



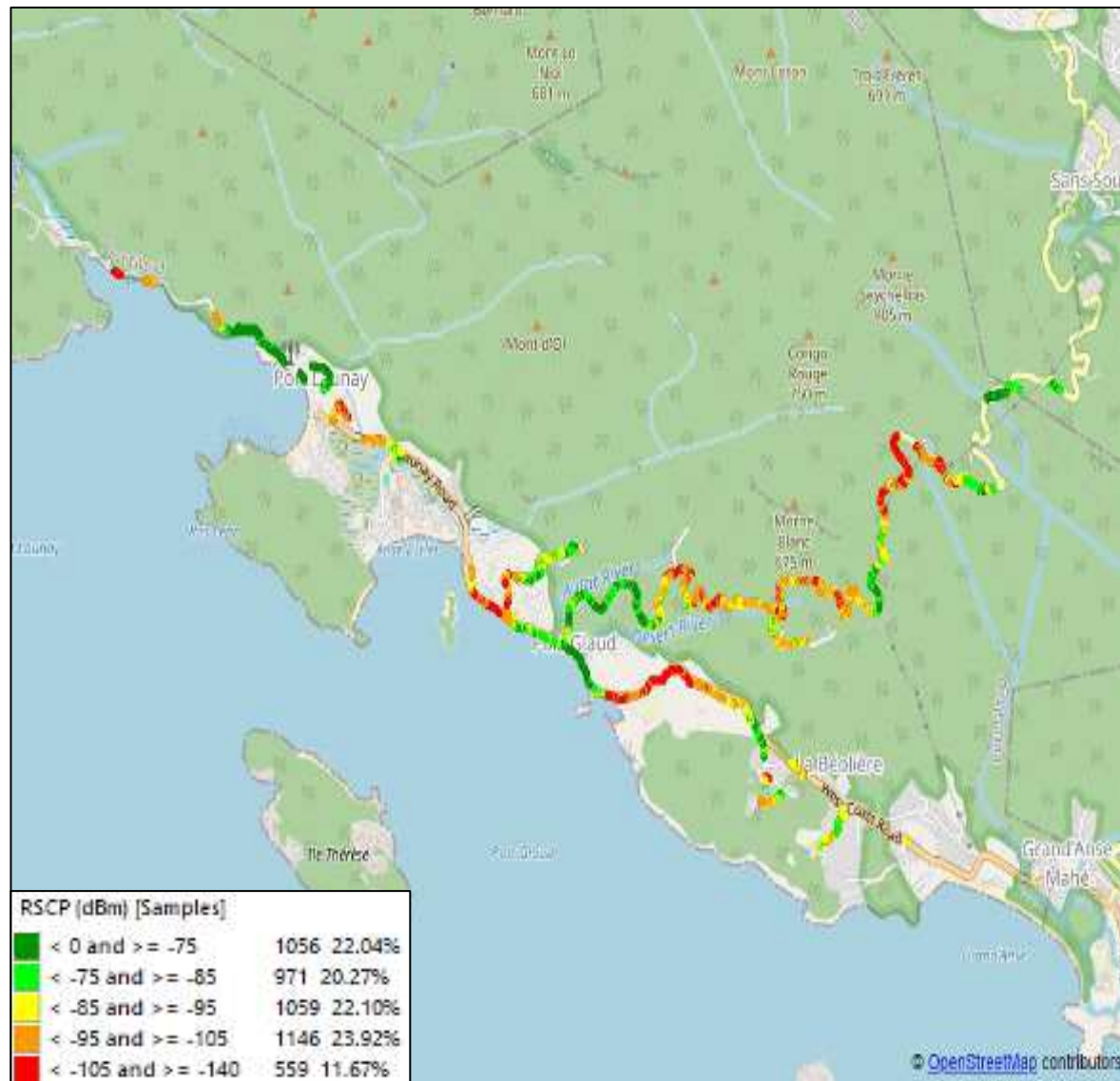
Airtel LC MO



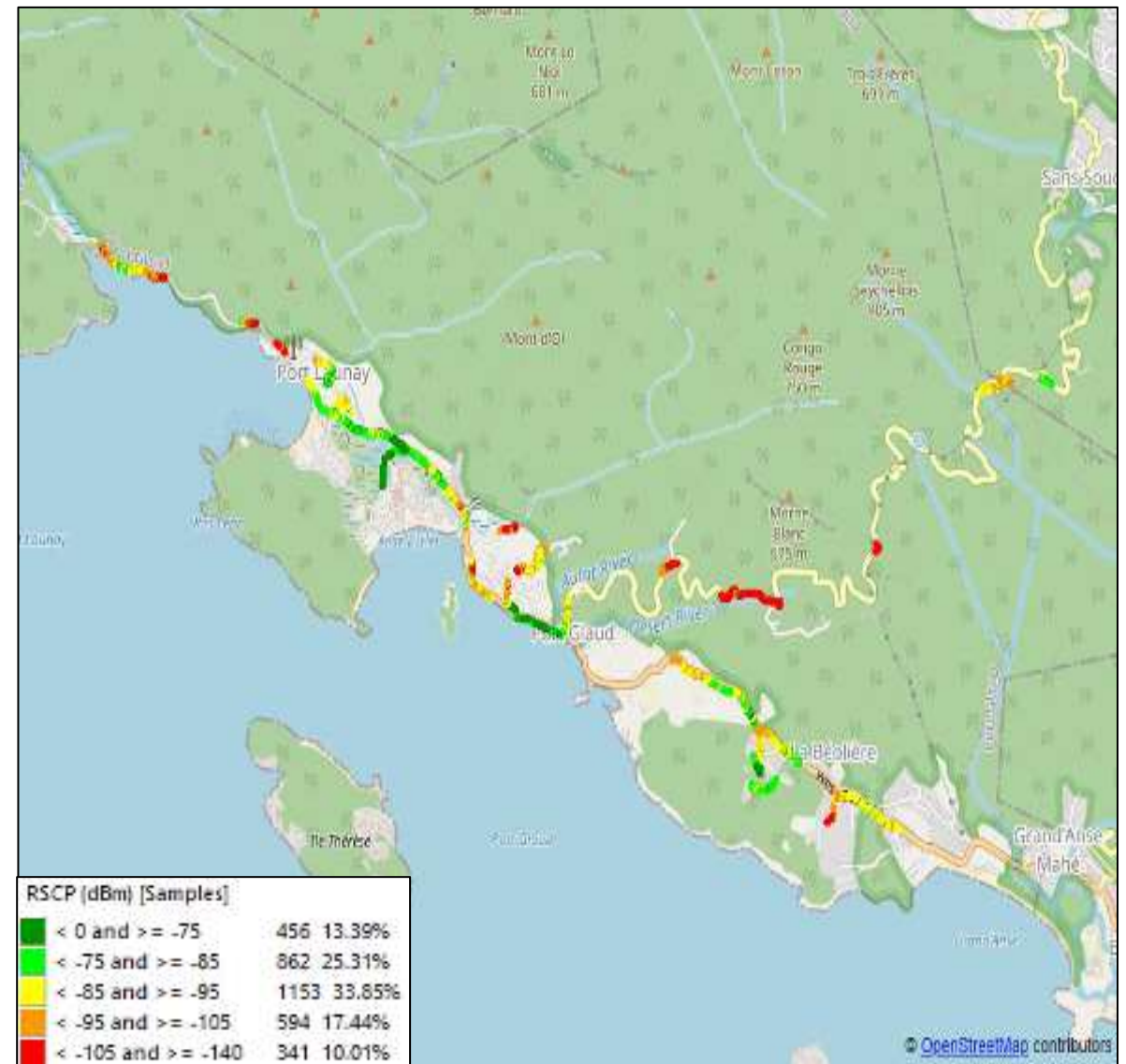
CWS LC MO



Airtel LC MO



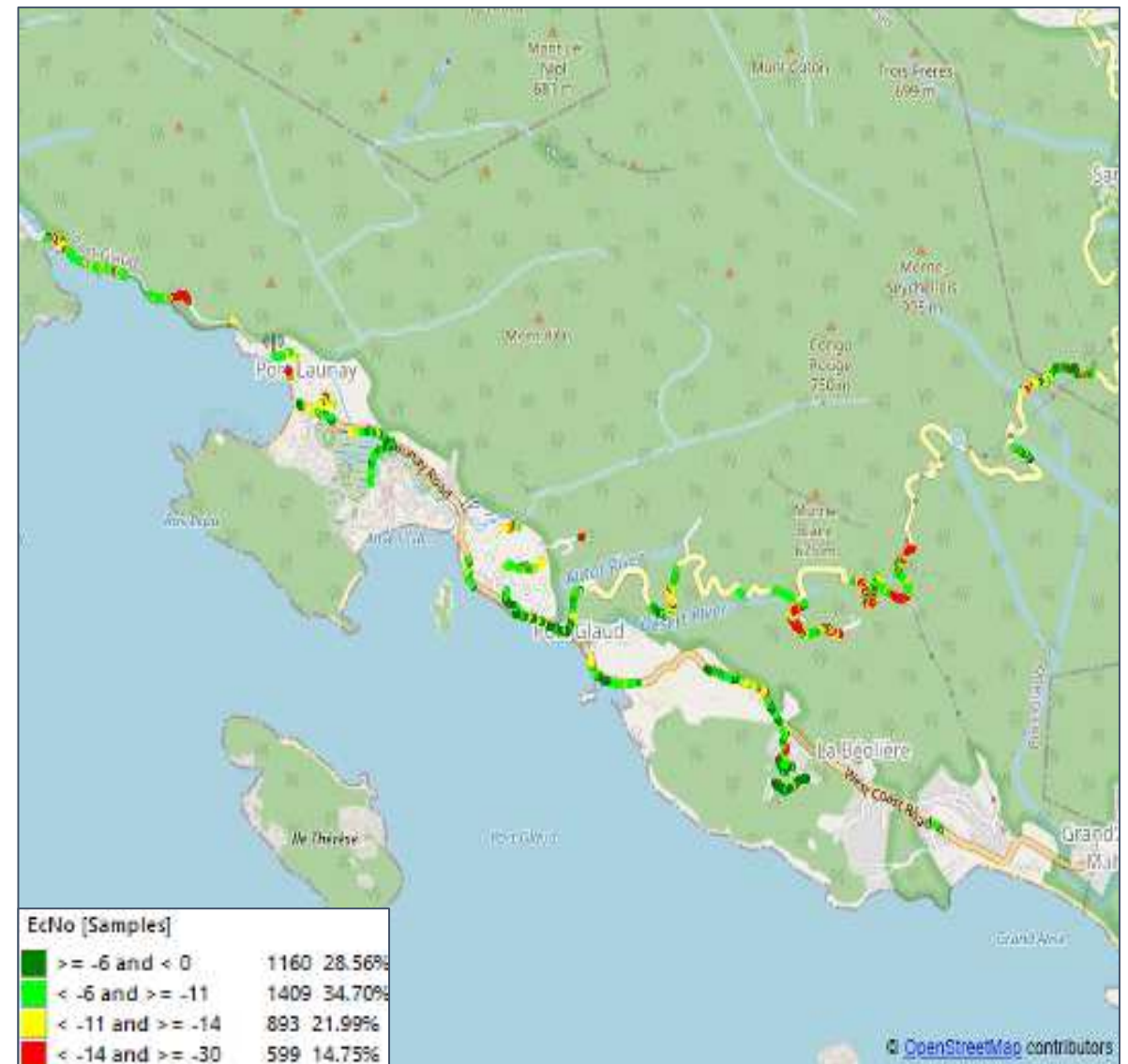
CWS LC MO



Airtel LC MO



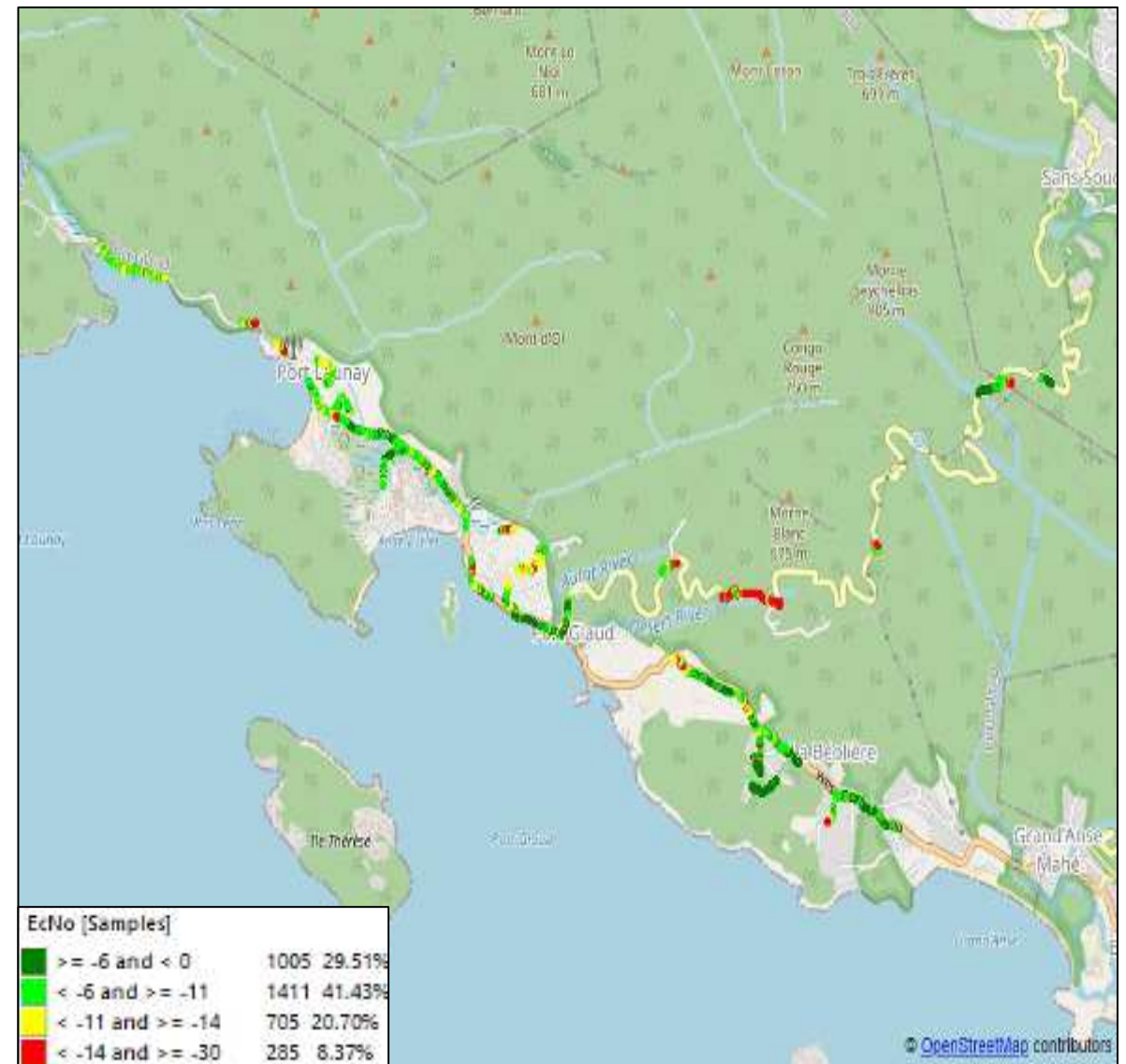
CWS LC MO



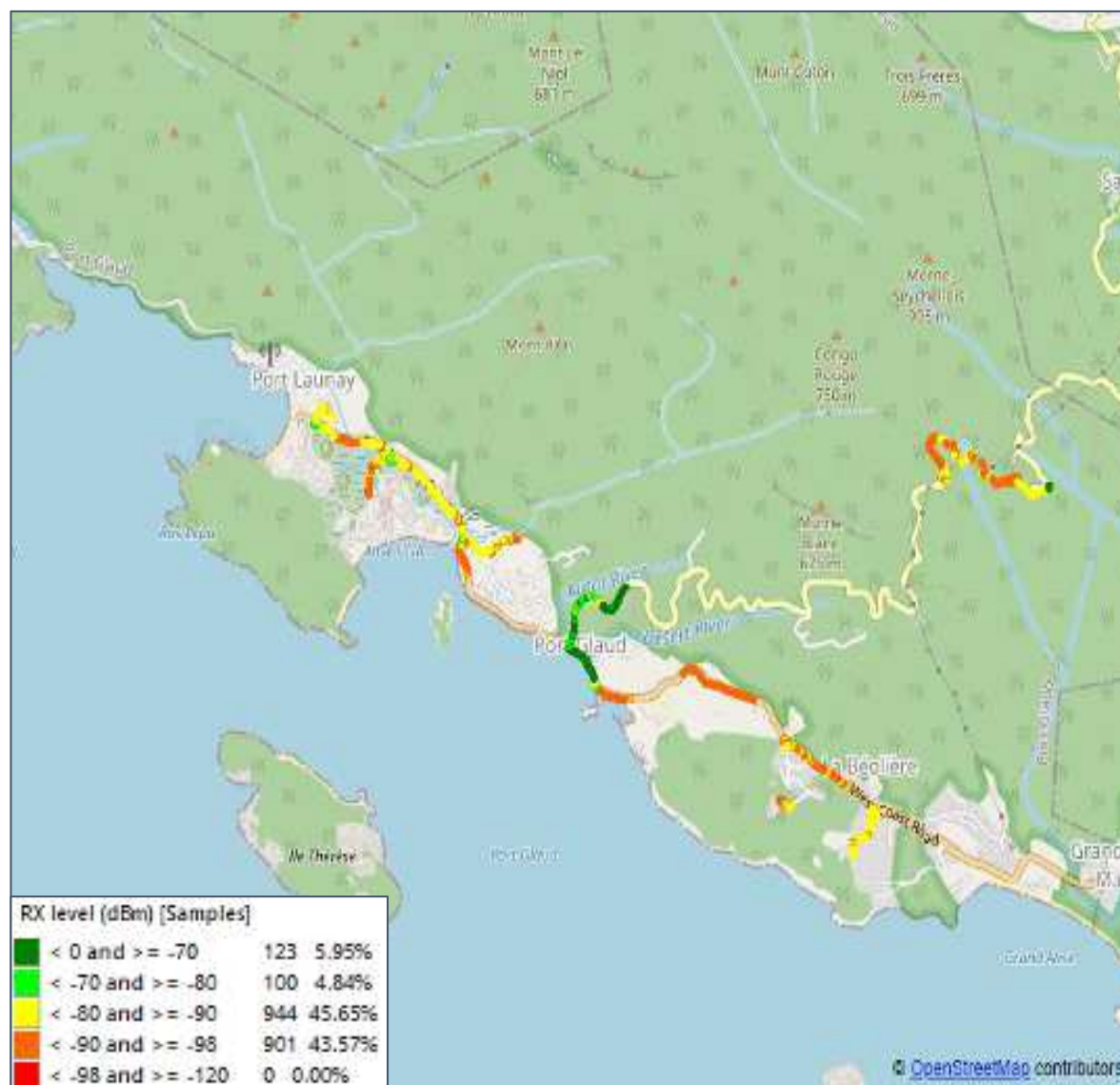
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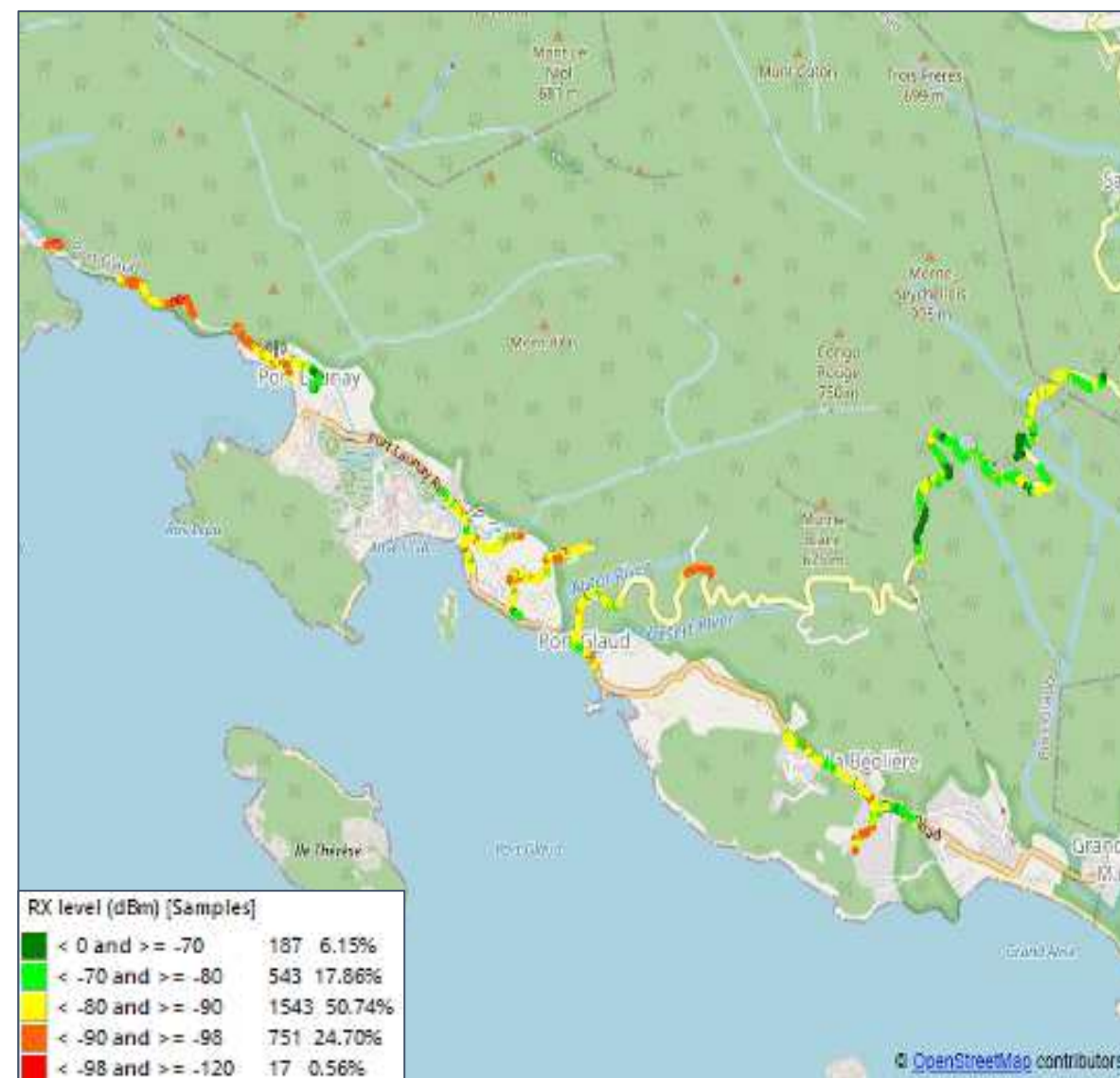
CWS LC MO



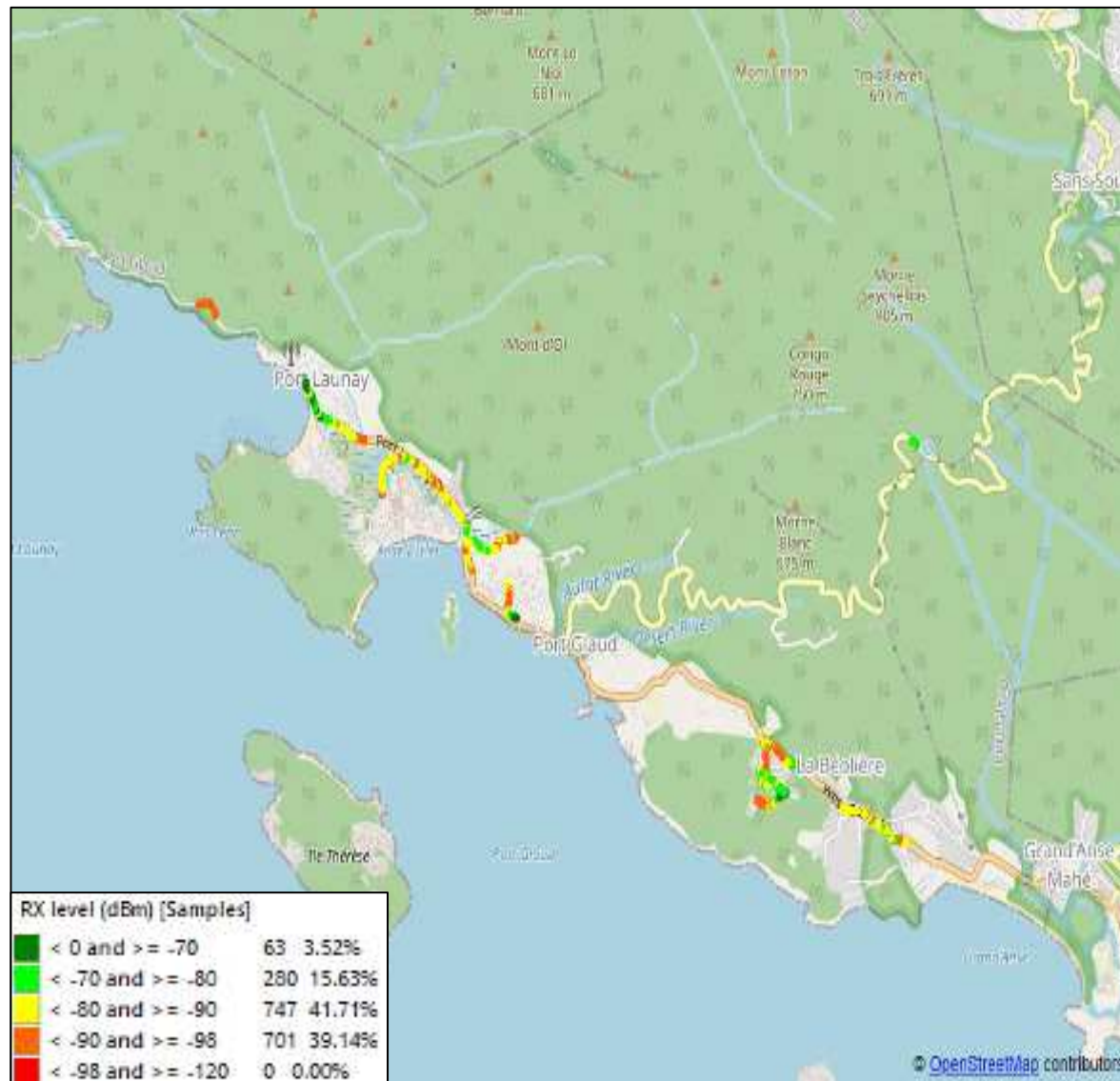
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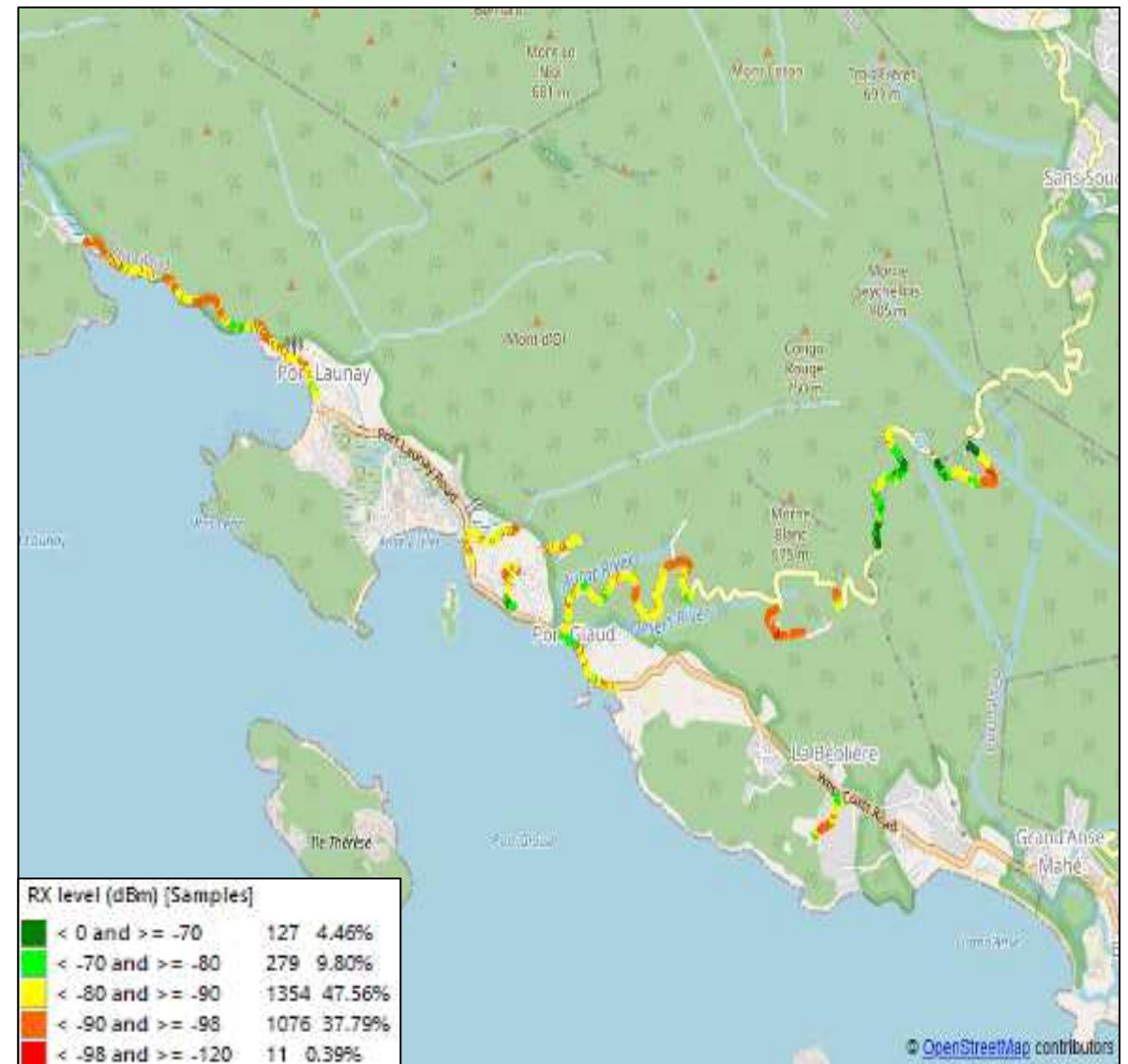
CWS LC MO



Airtel LC MO



CWS LC MO



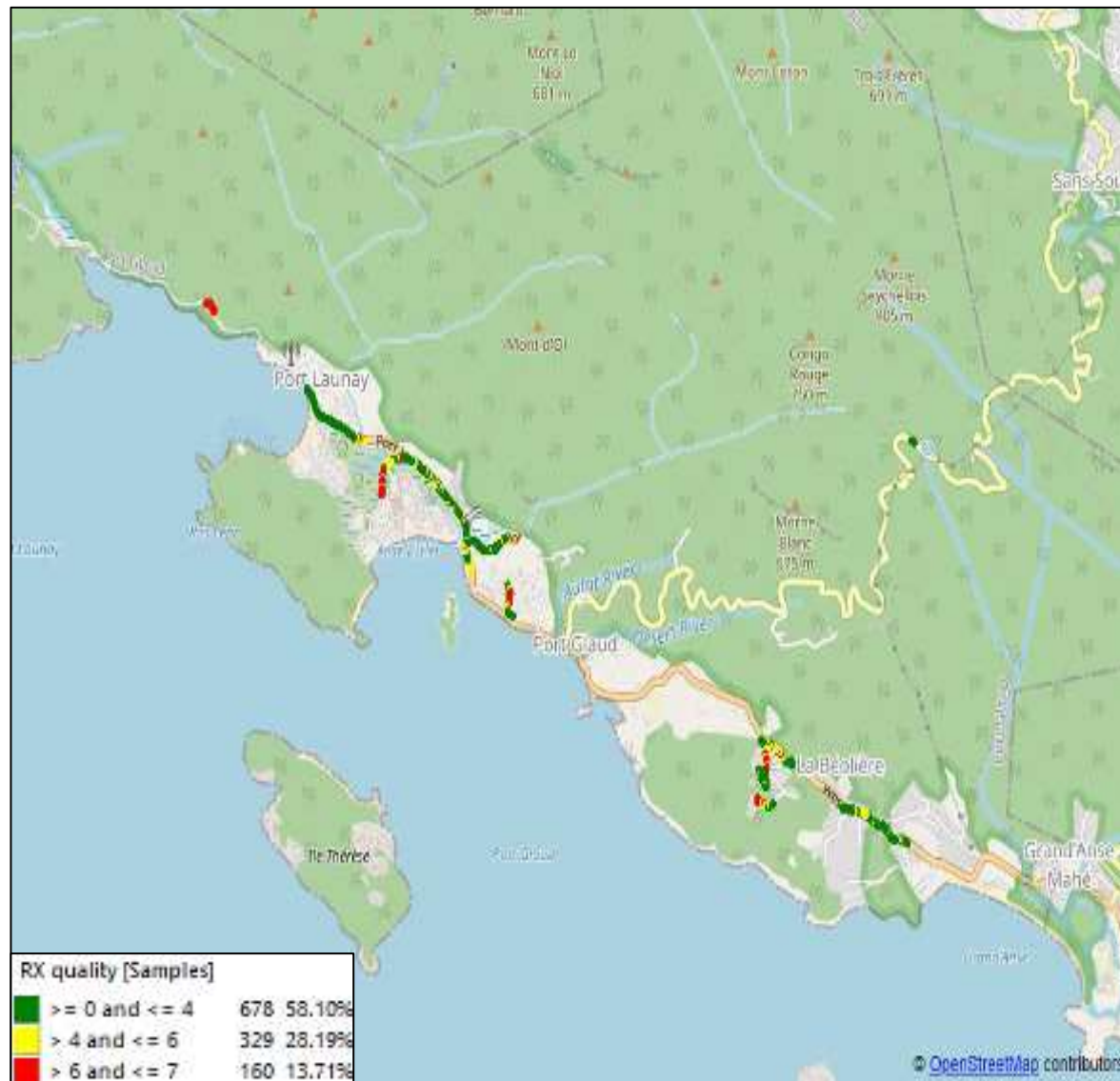
Airtel LC MO



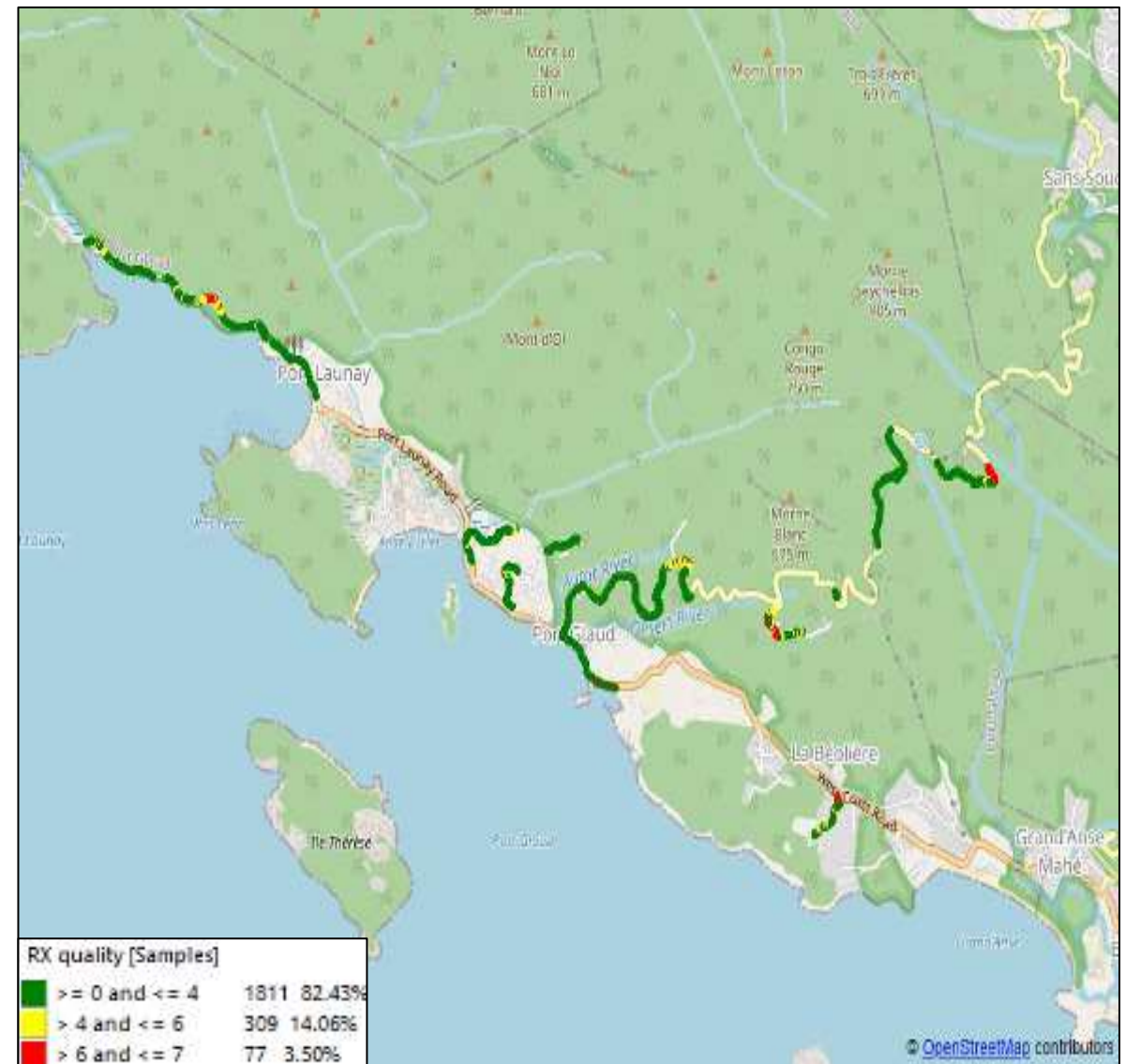
CWS LC MO



Airtel LC MO



CWS LC MO



3G PREFERRED DATA DRIVE PLOTS

Airtel Data 3G



CWS Data 3G



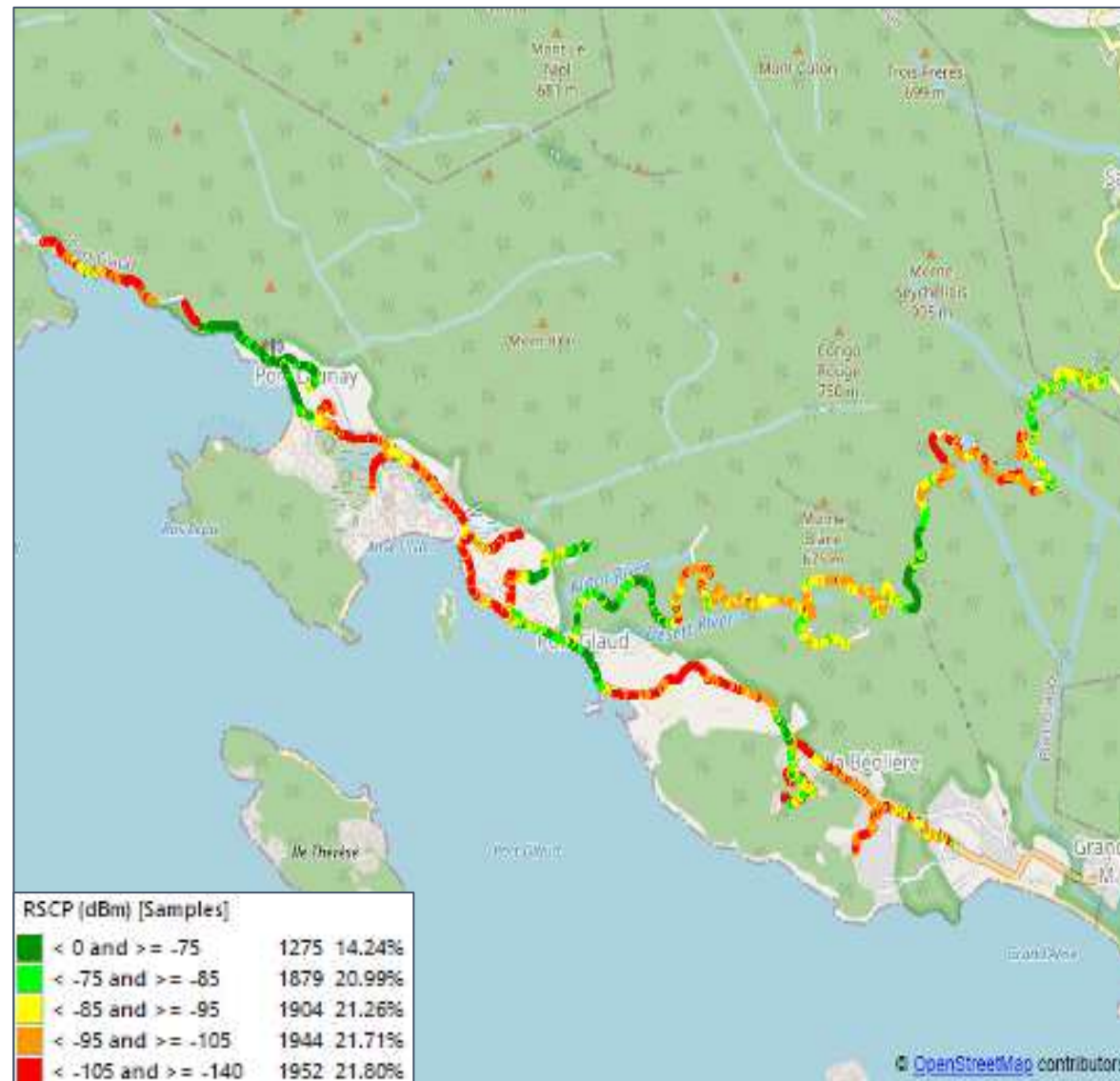
Airtel Data 3G



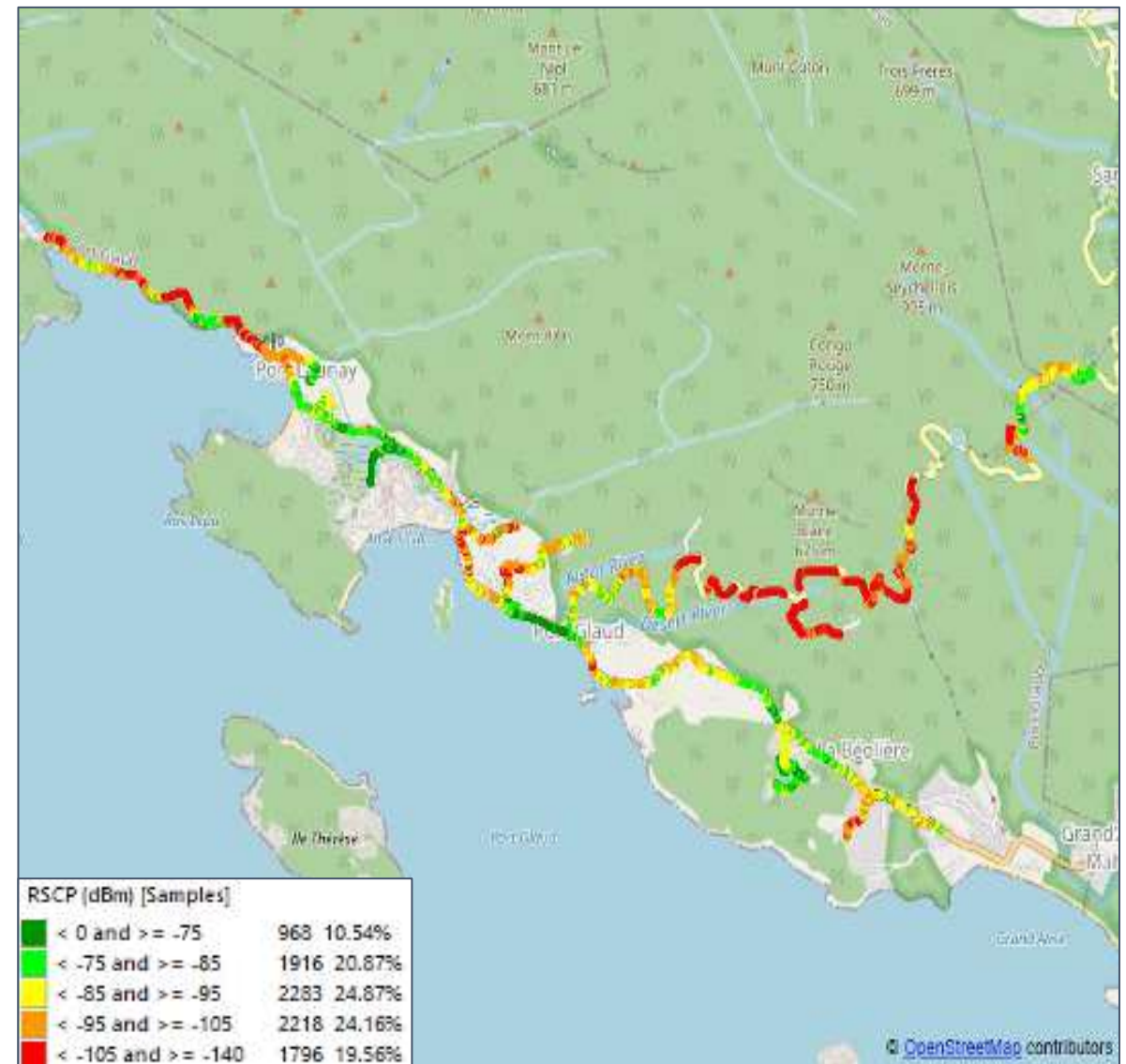
CWS Data 3G



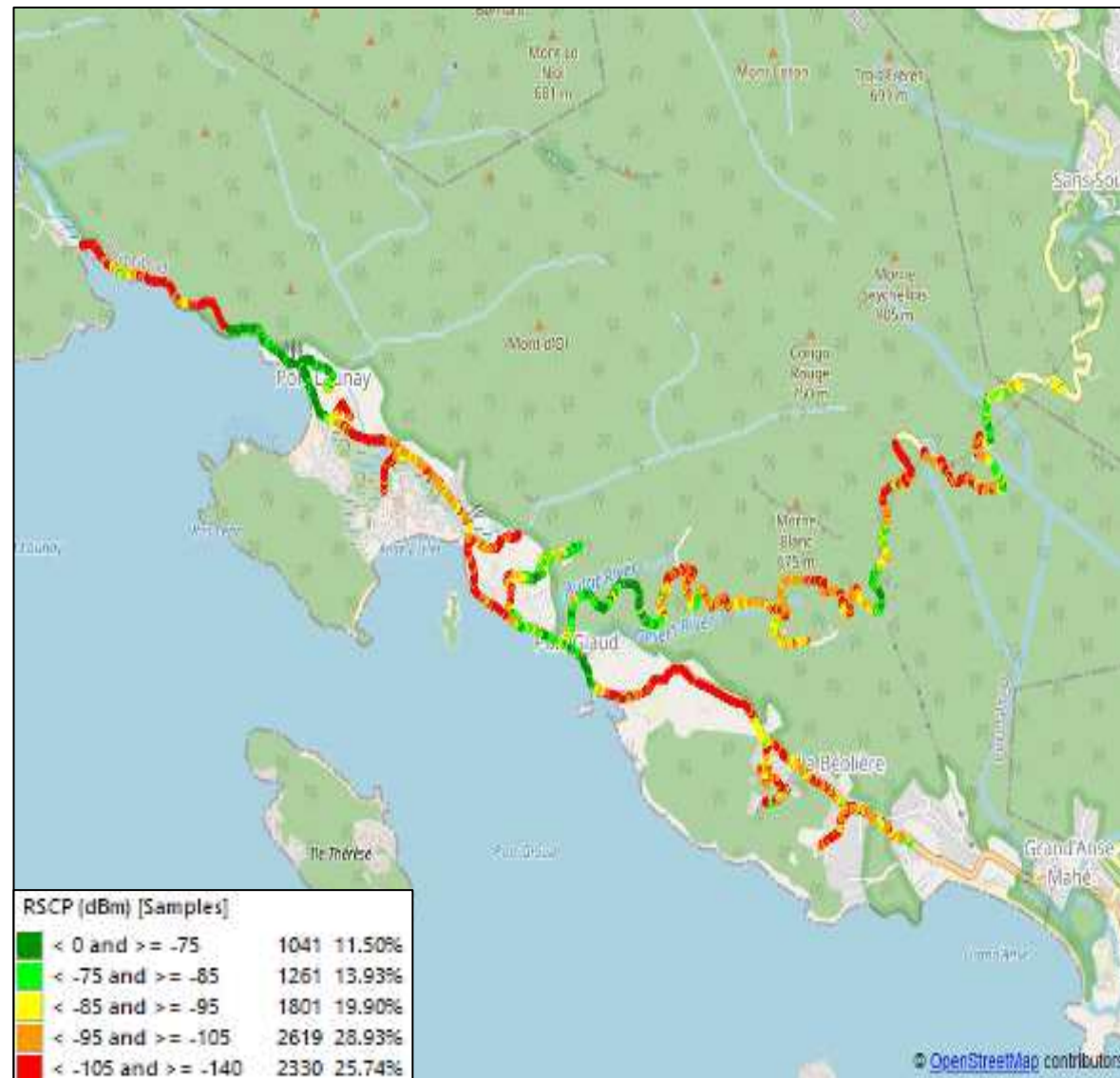
Airtel Data 3G



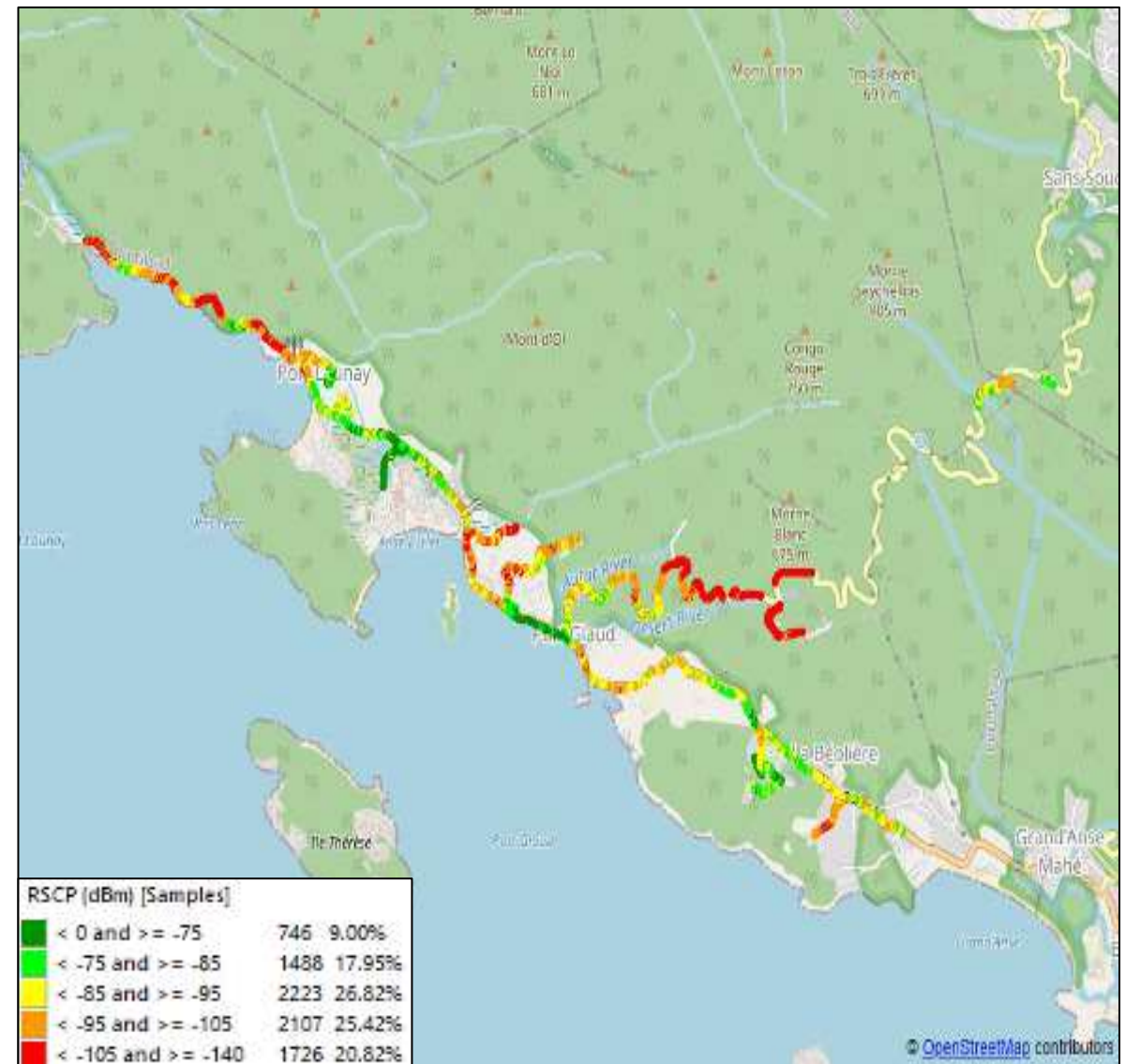
CWS Data 3G



Airtel Data 3G



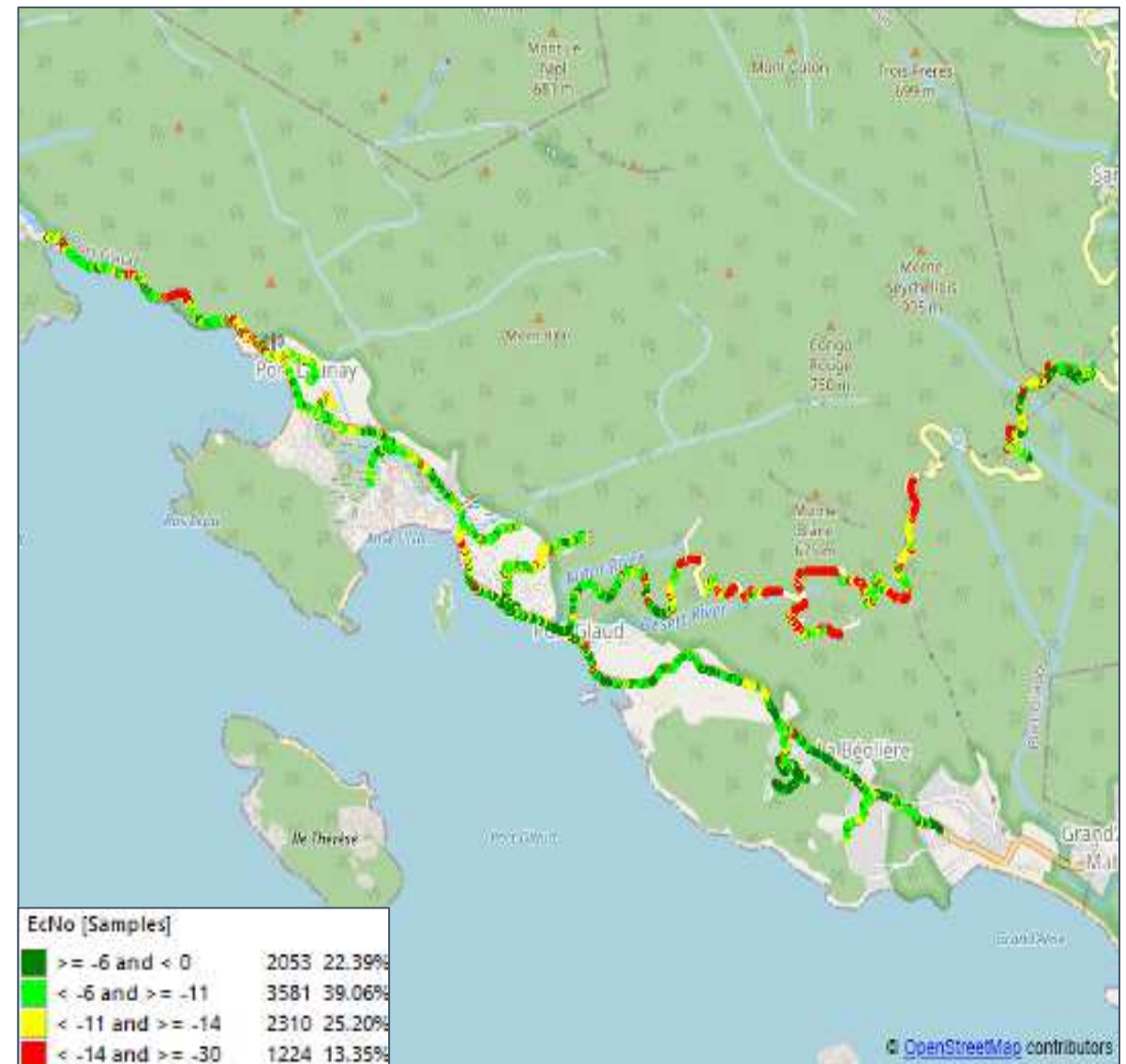
CWS Data 3G



Airtel Data 3G



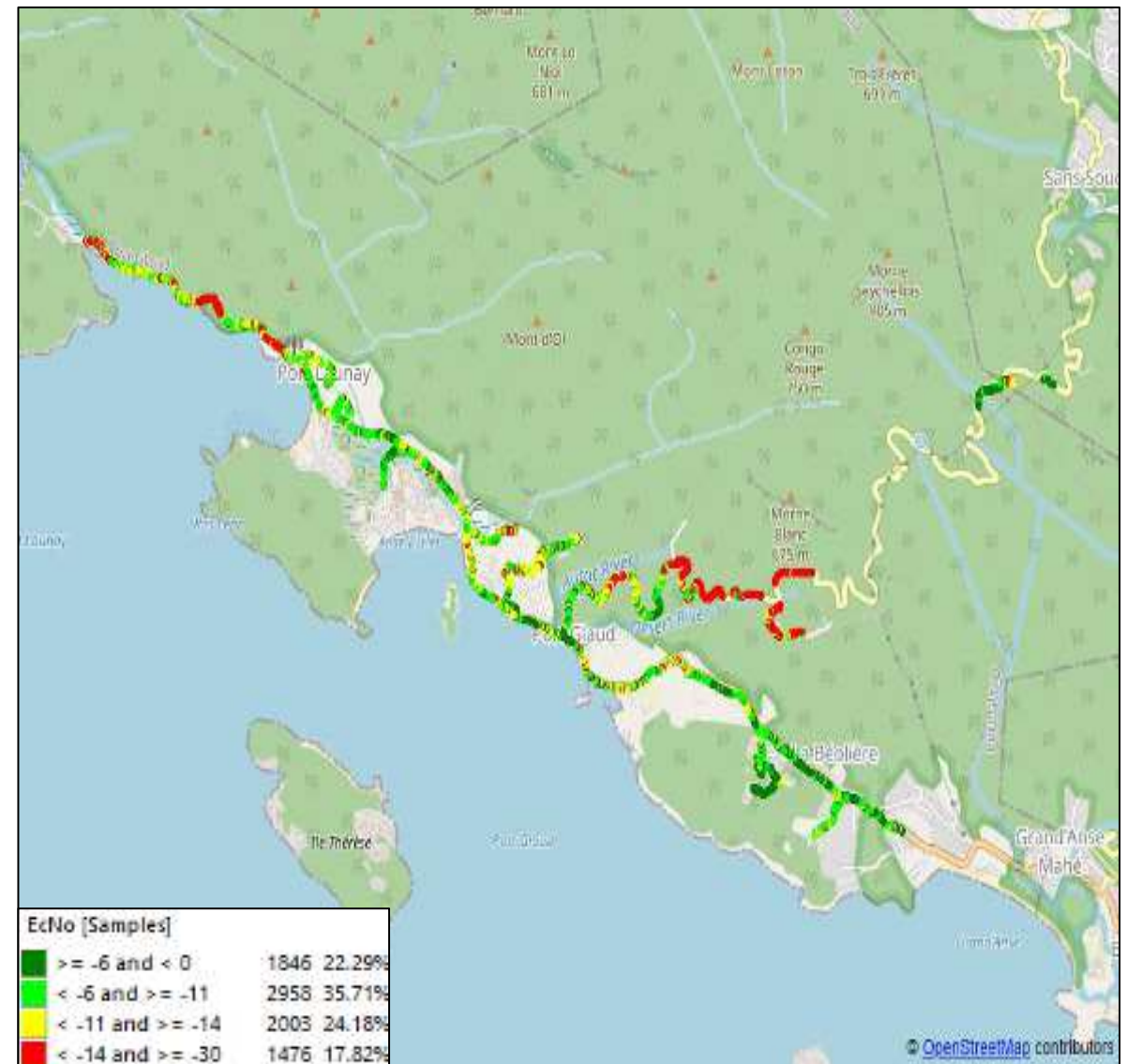
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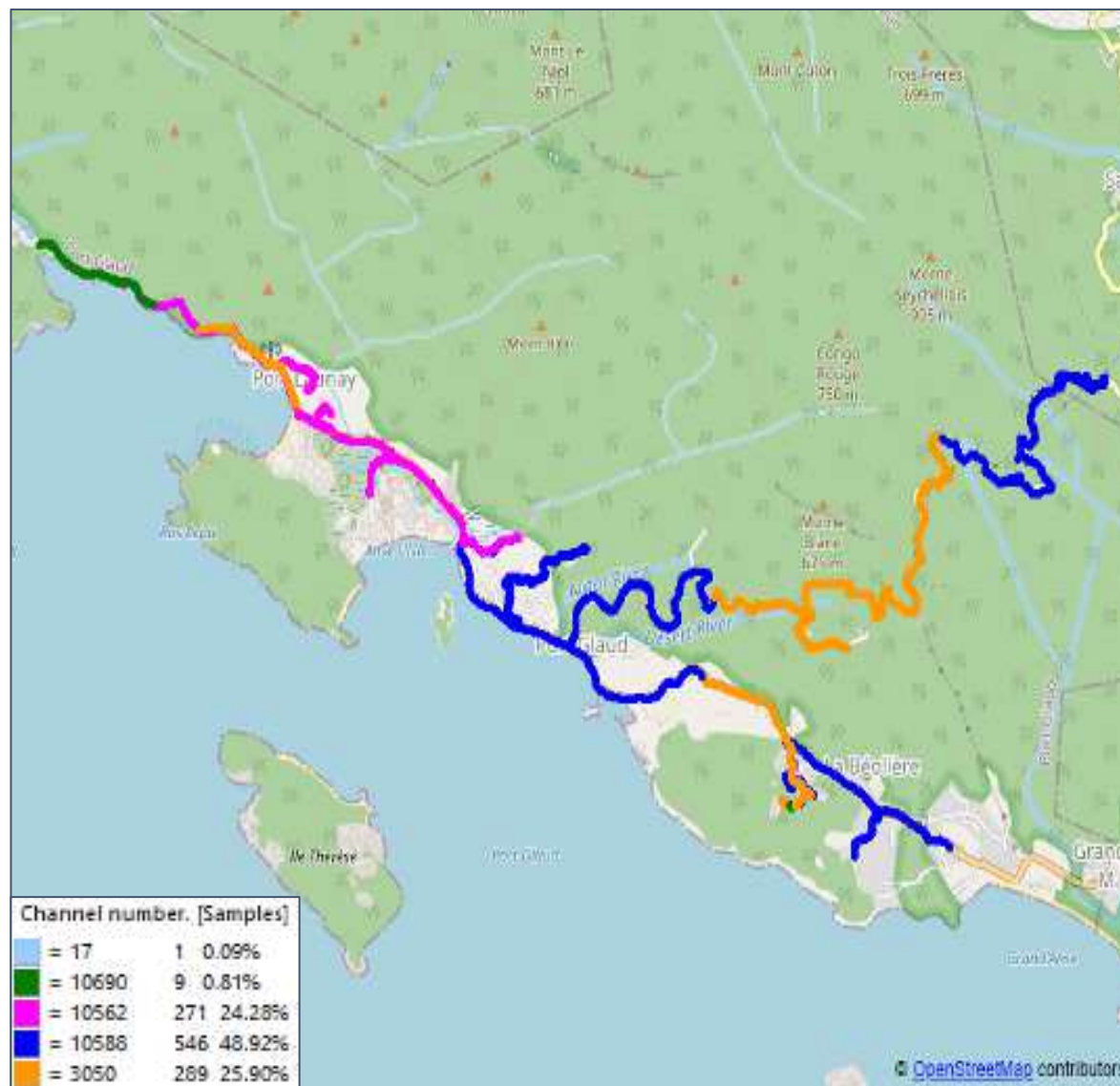
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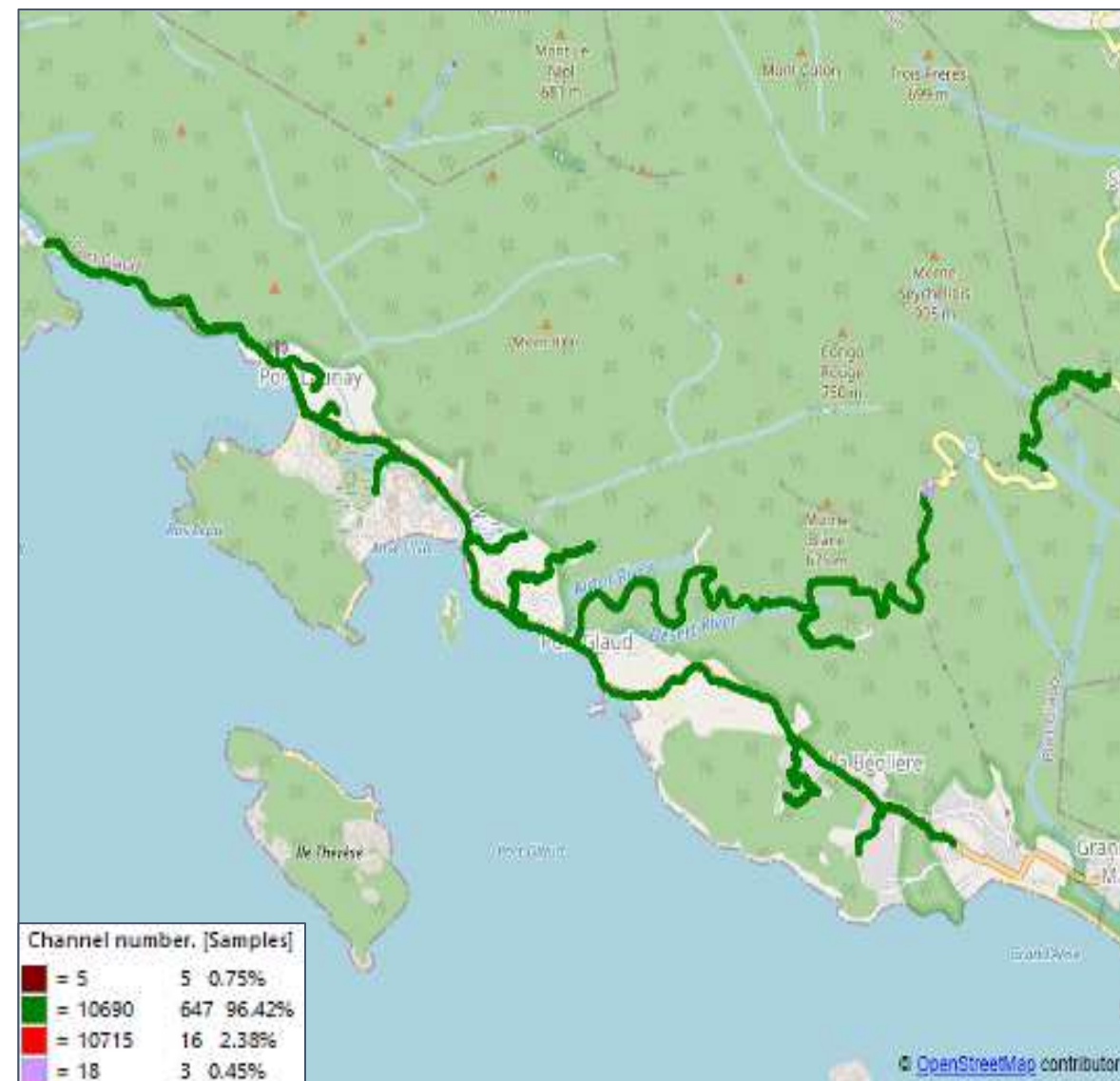
CWS Data 3G



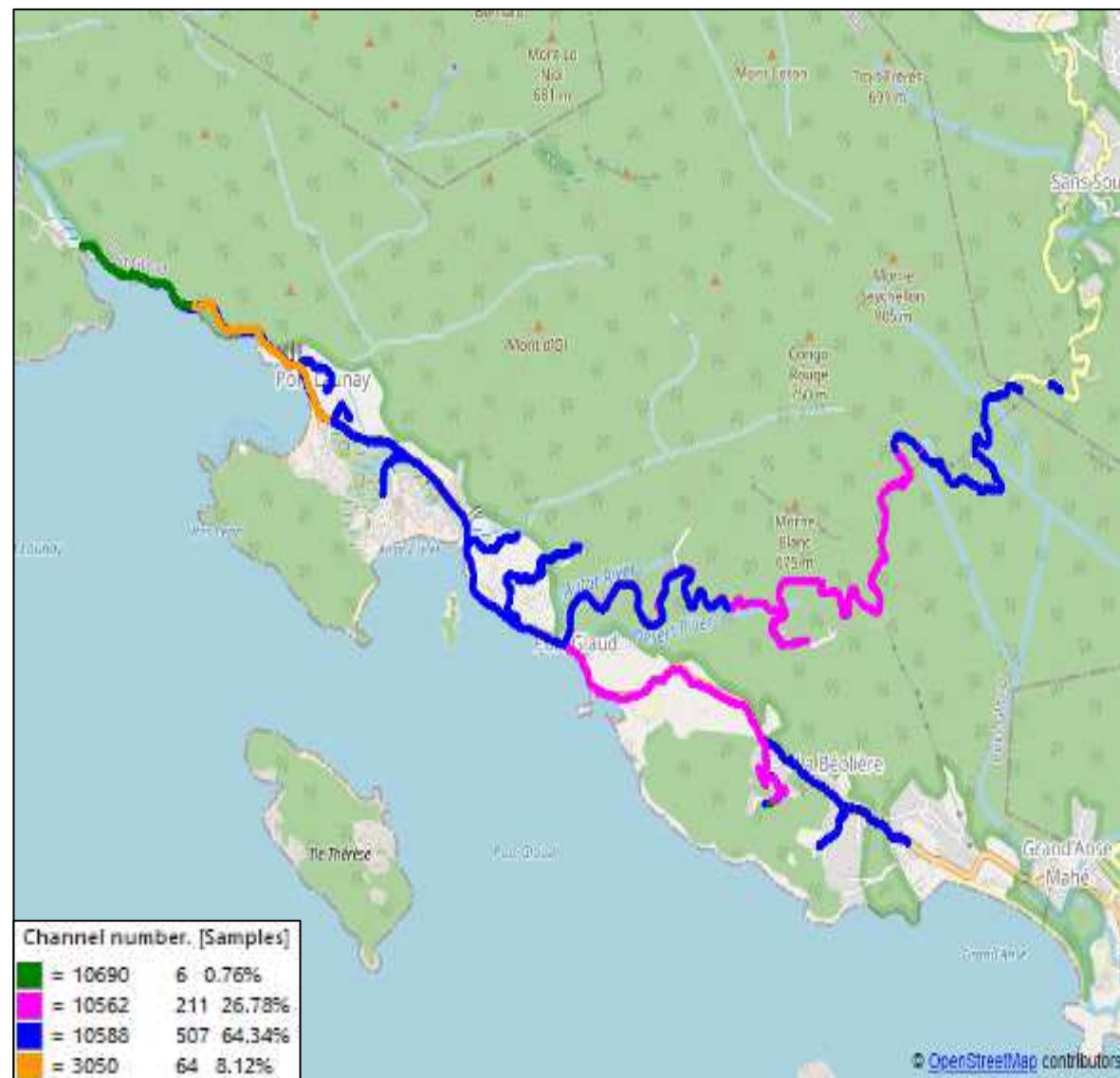
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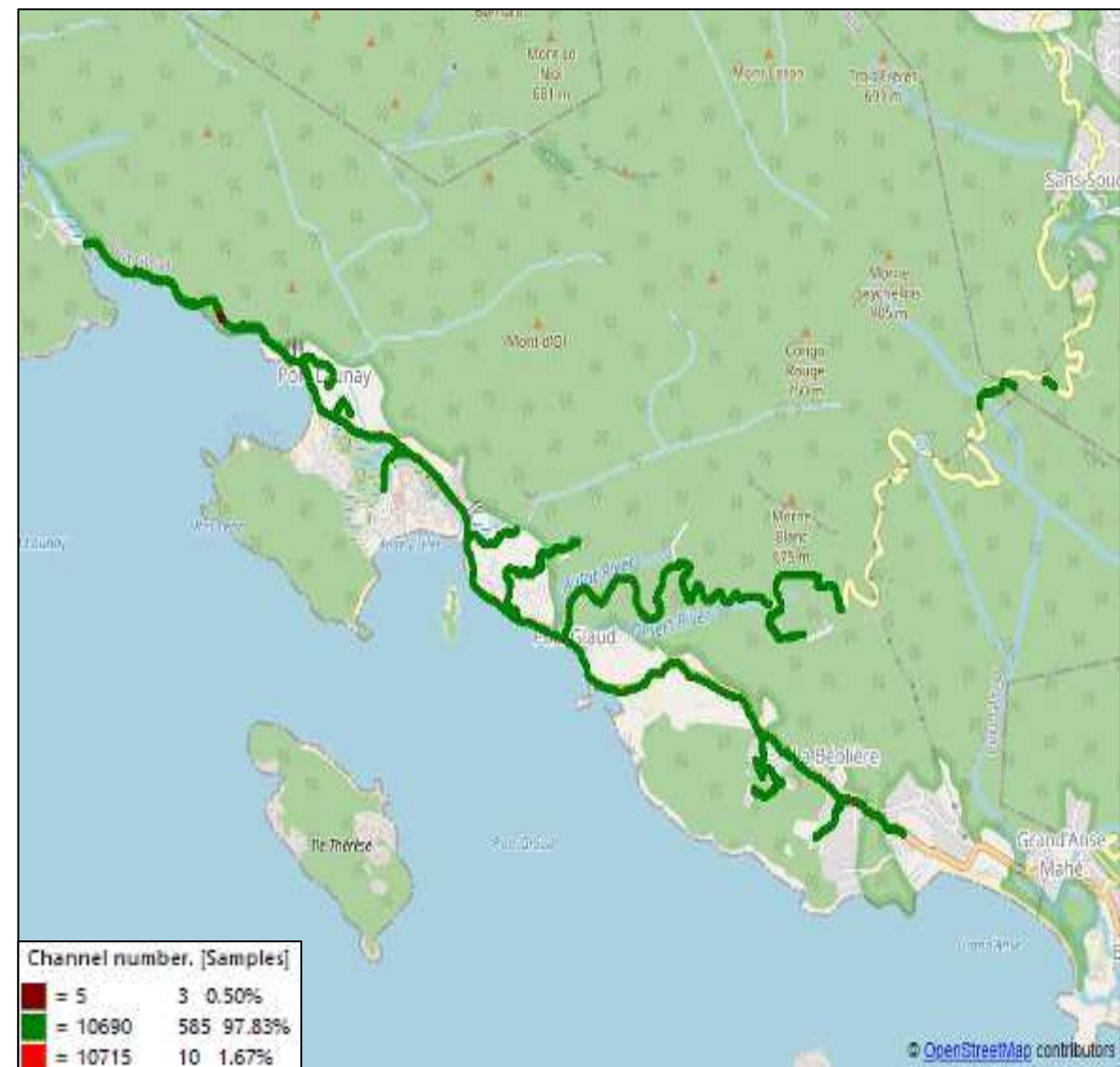
CWS Data 3G



Airtel Data 3G

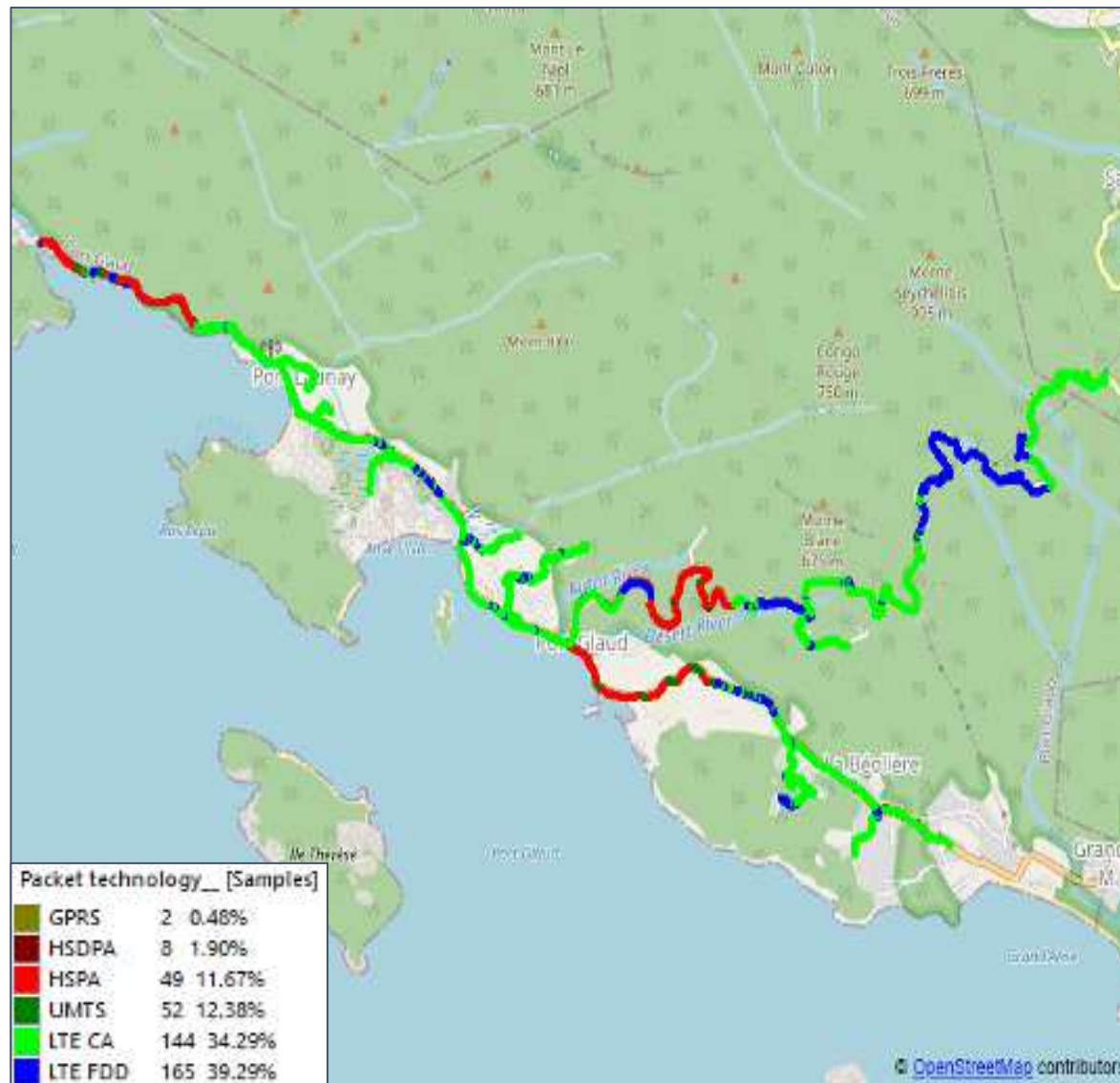


CWS Data 3G



4G PREFERRED DATA DRIVE PLOTS

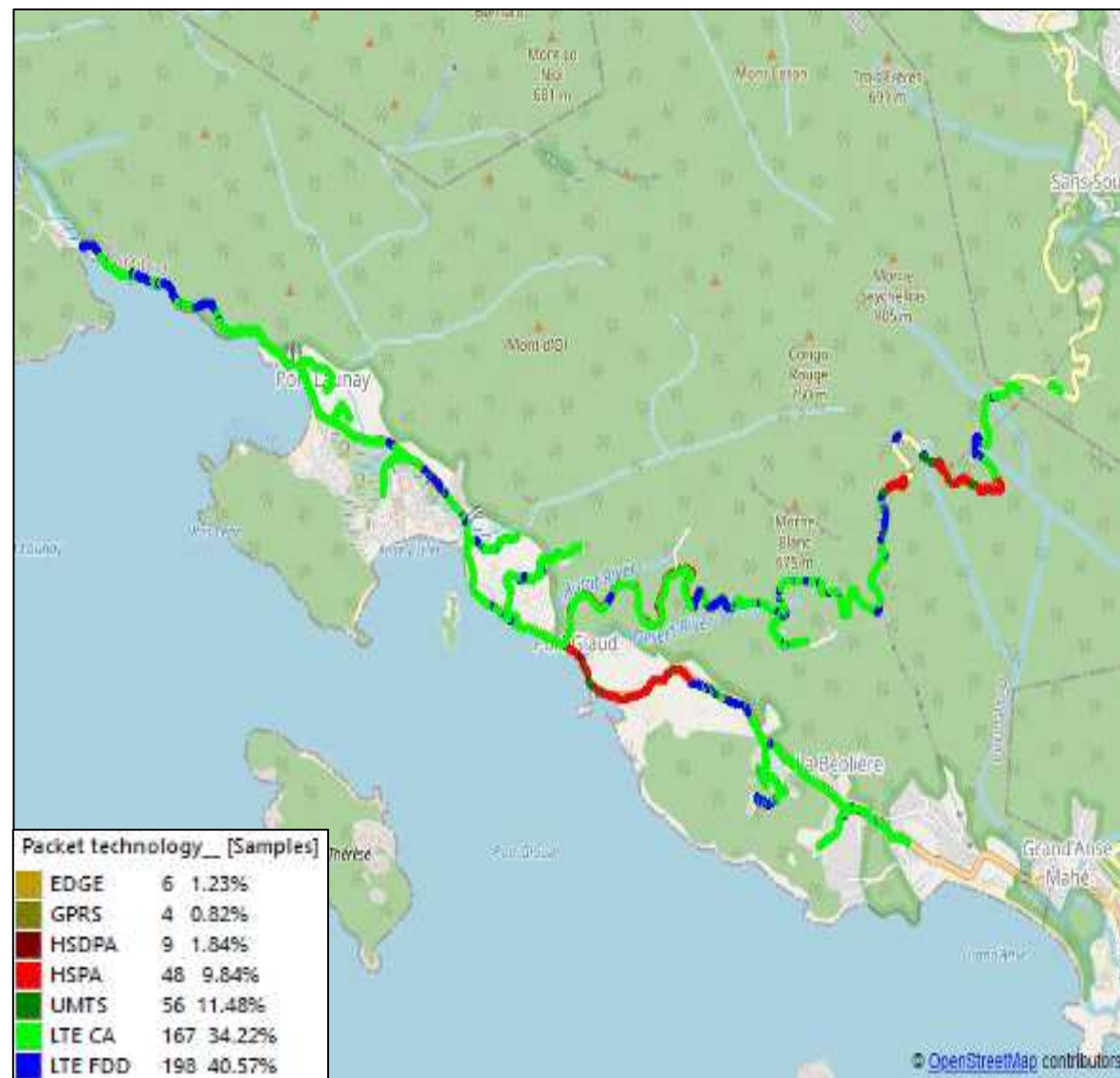
Airtel Data 4G



CWS Data 4G



Airtel Data 4G



CWS Data 4G



Airtel Data 4G



CWS Data 4G



Airtel Data 4G



CWS Data 4G



Airtel Data 4G



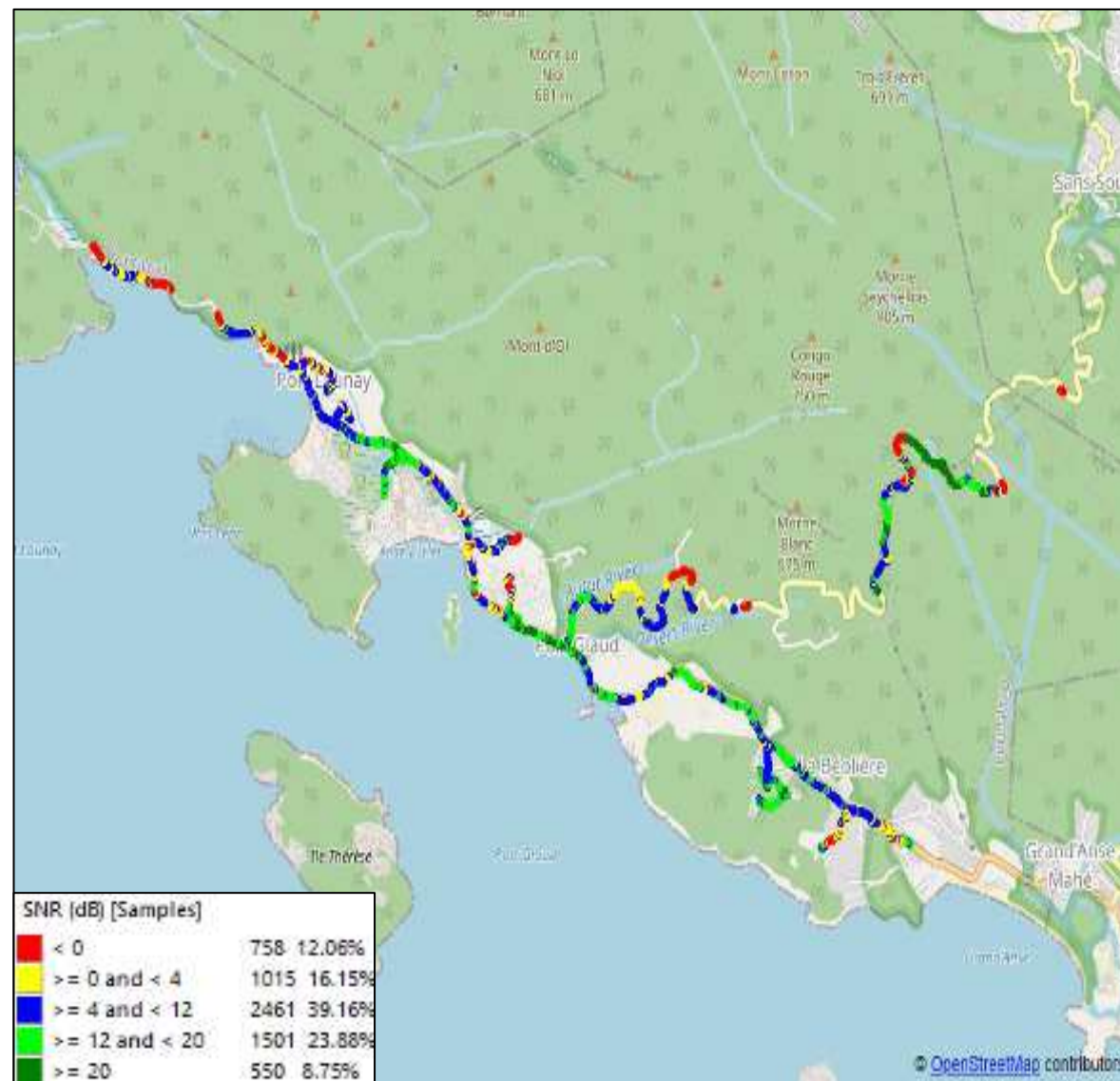
CWS Data 4G



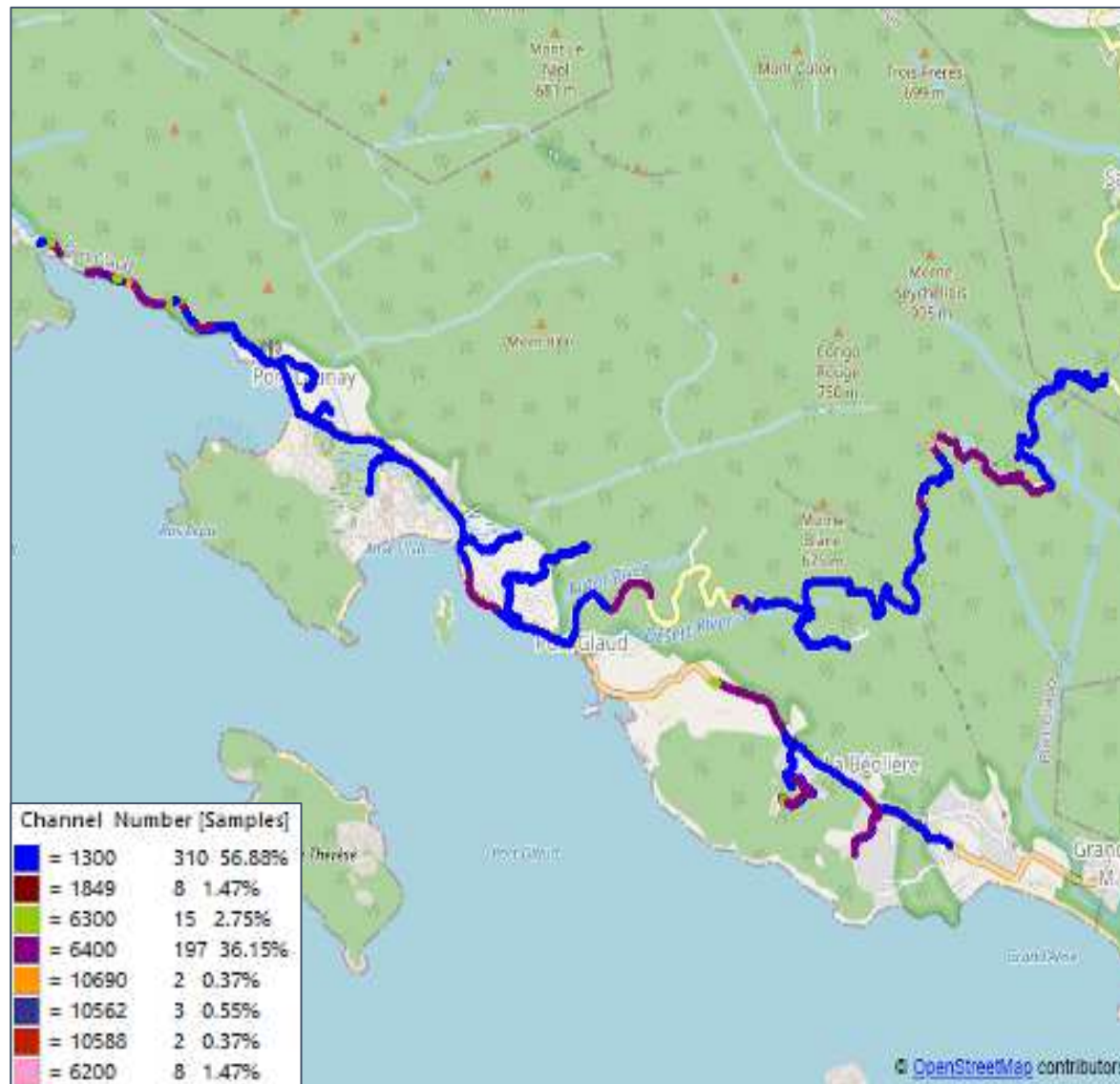
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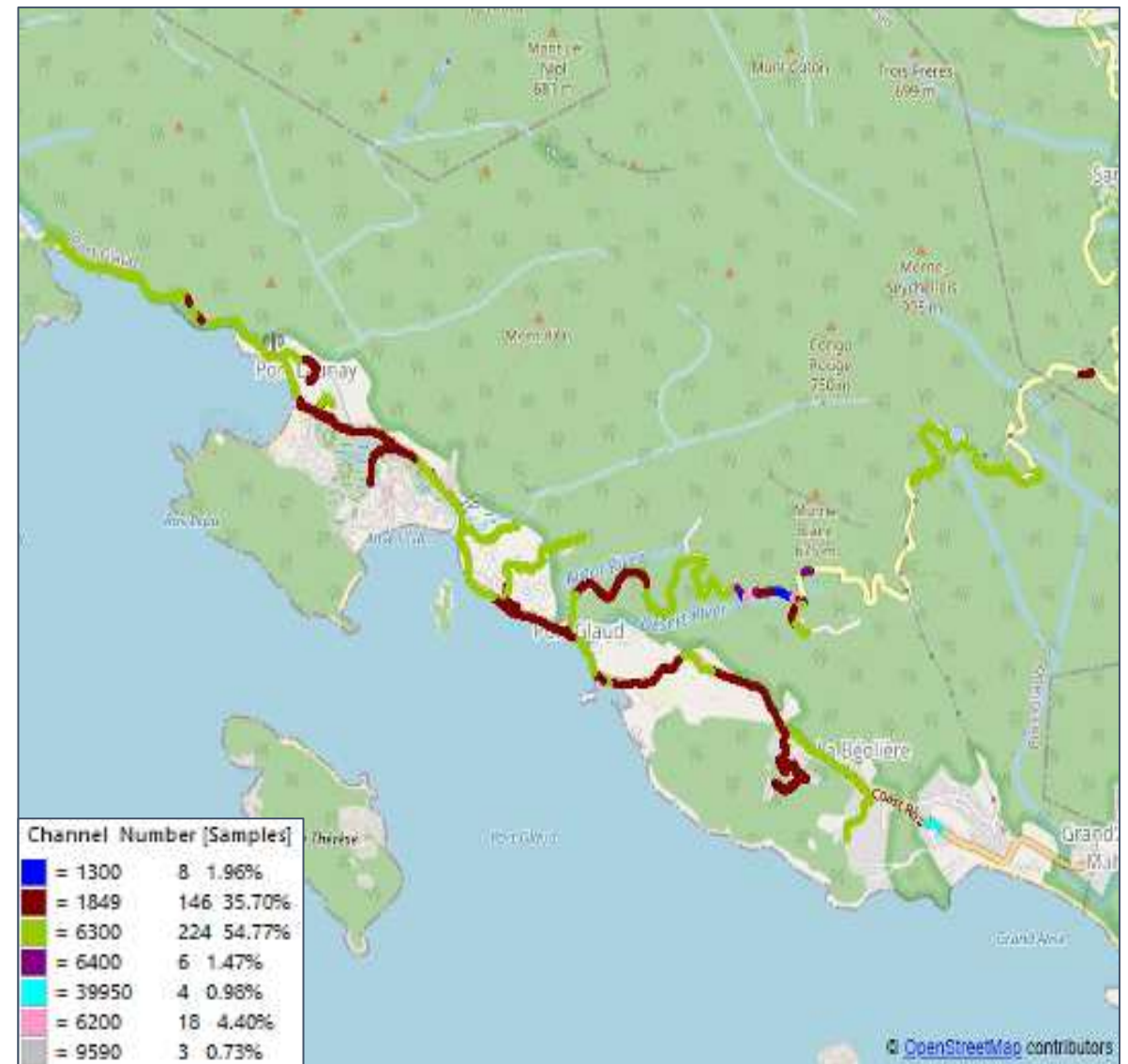
CWS Data 4G



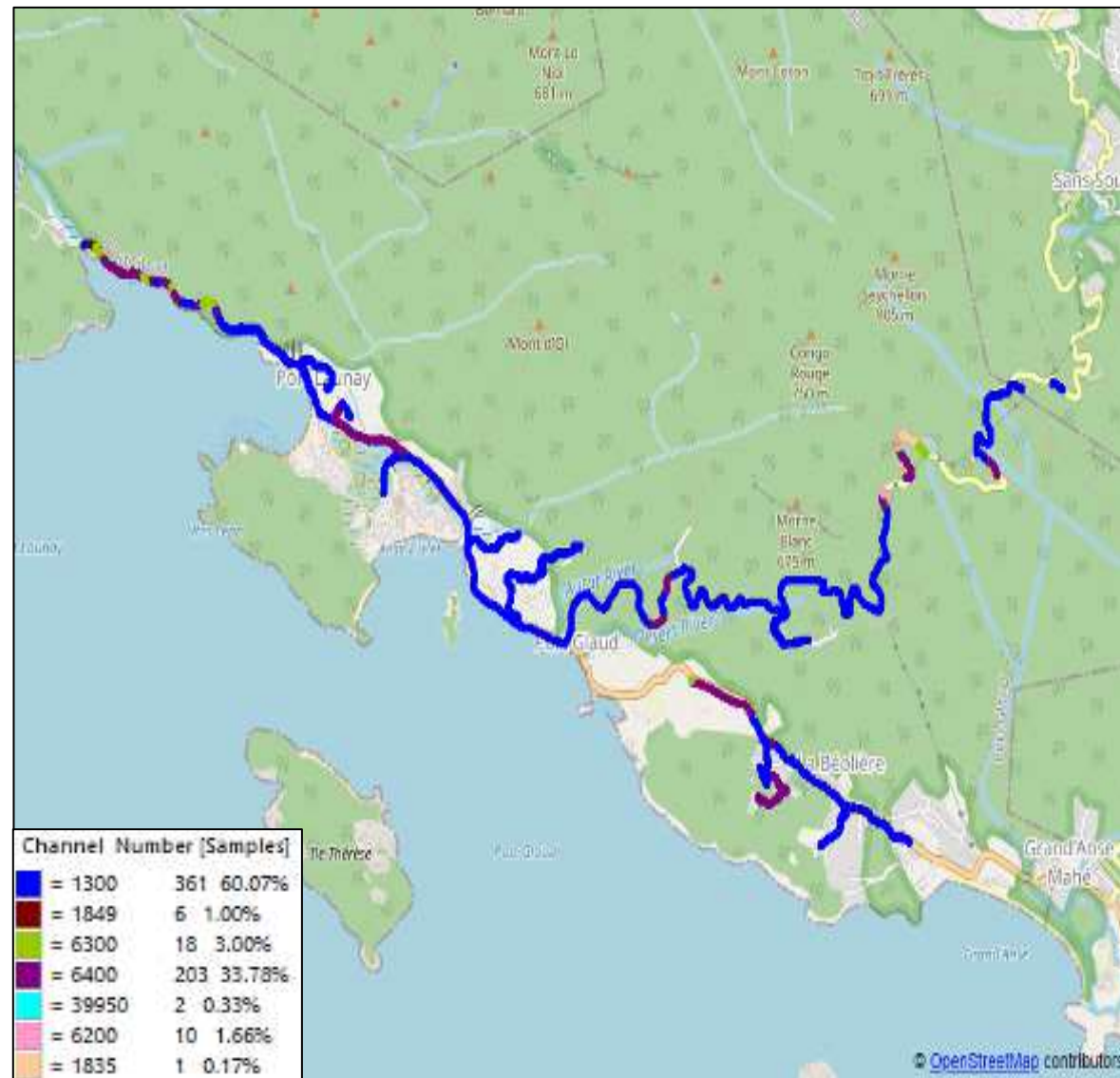
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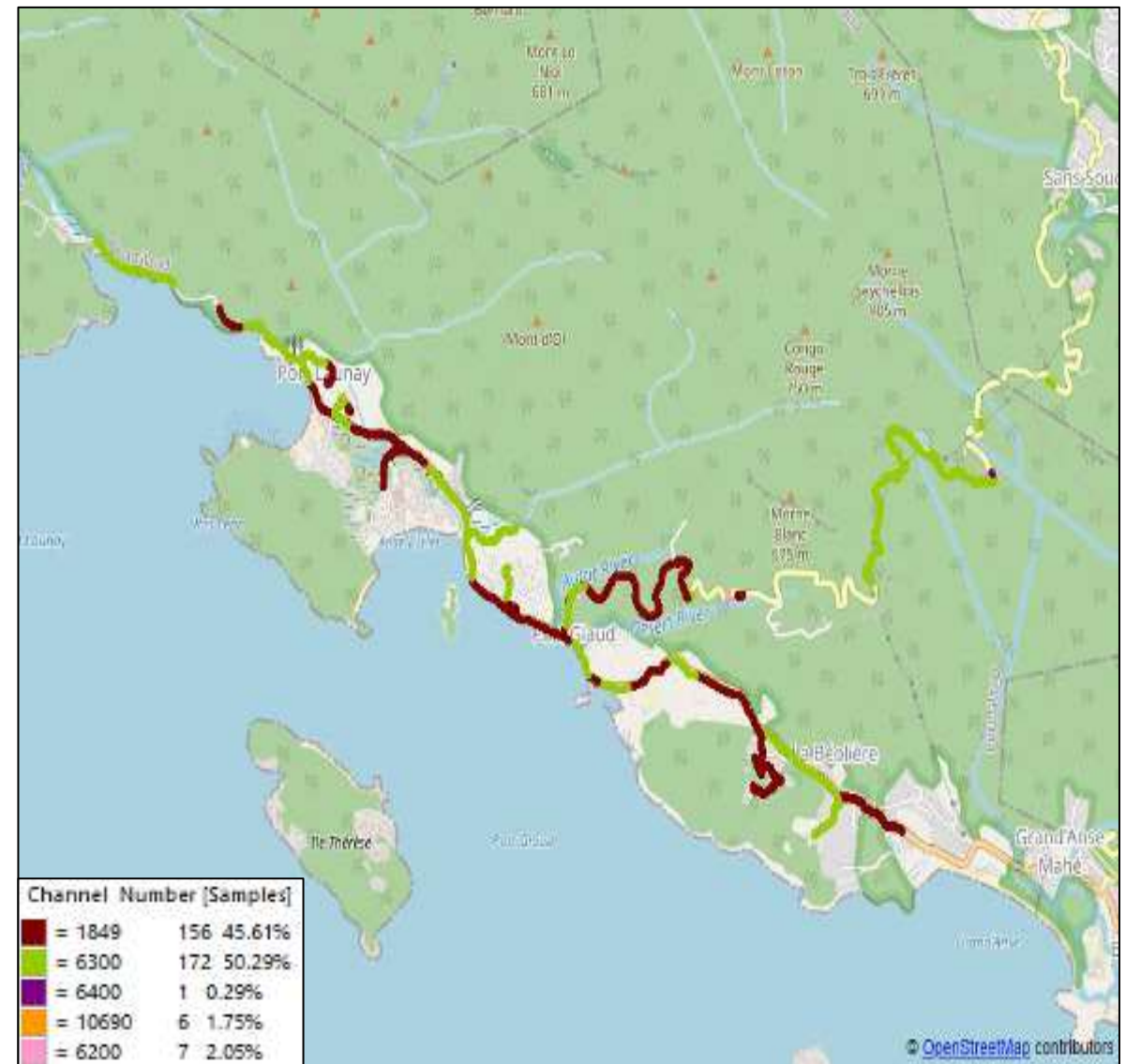
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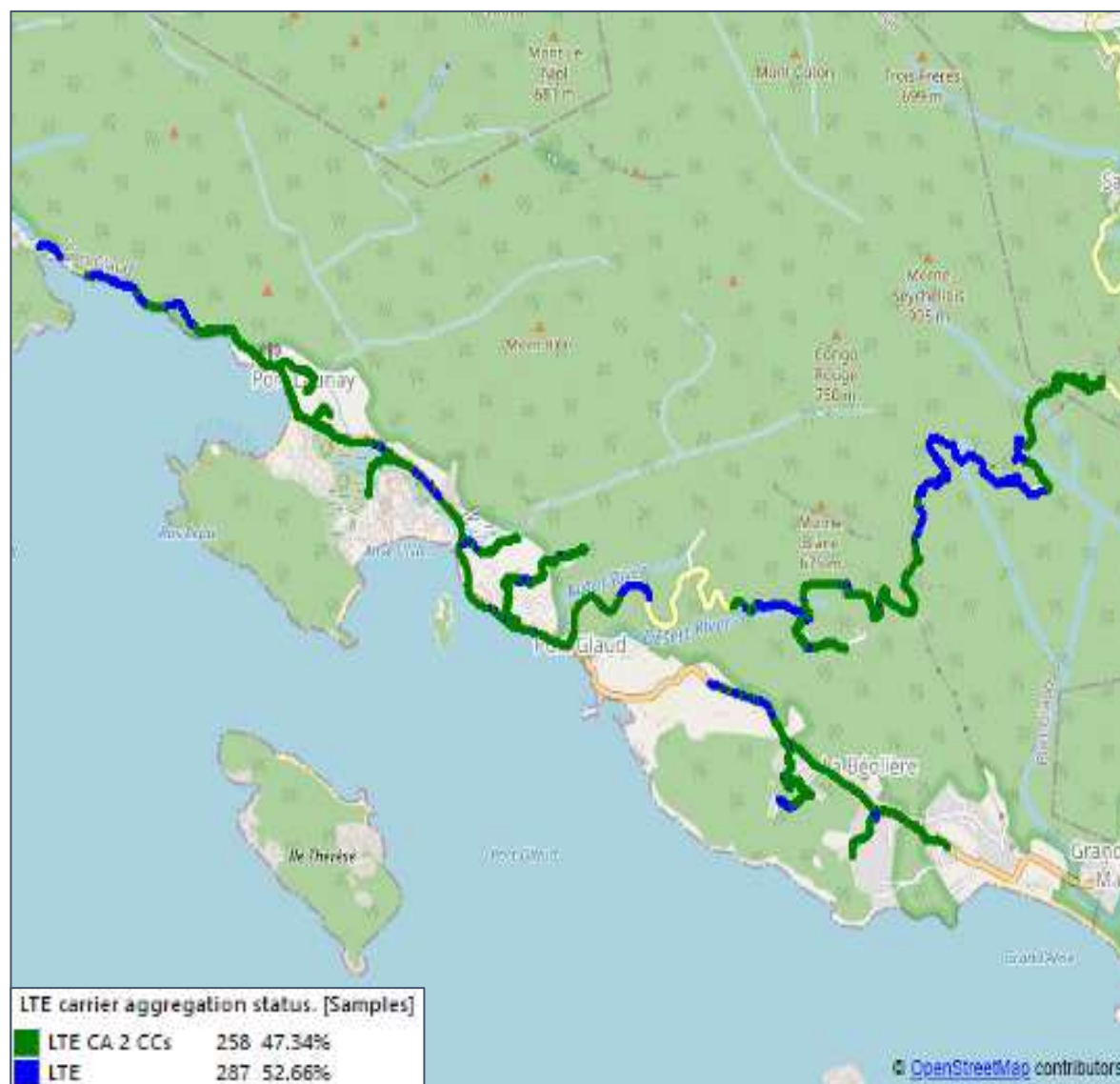
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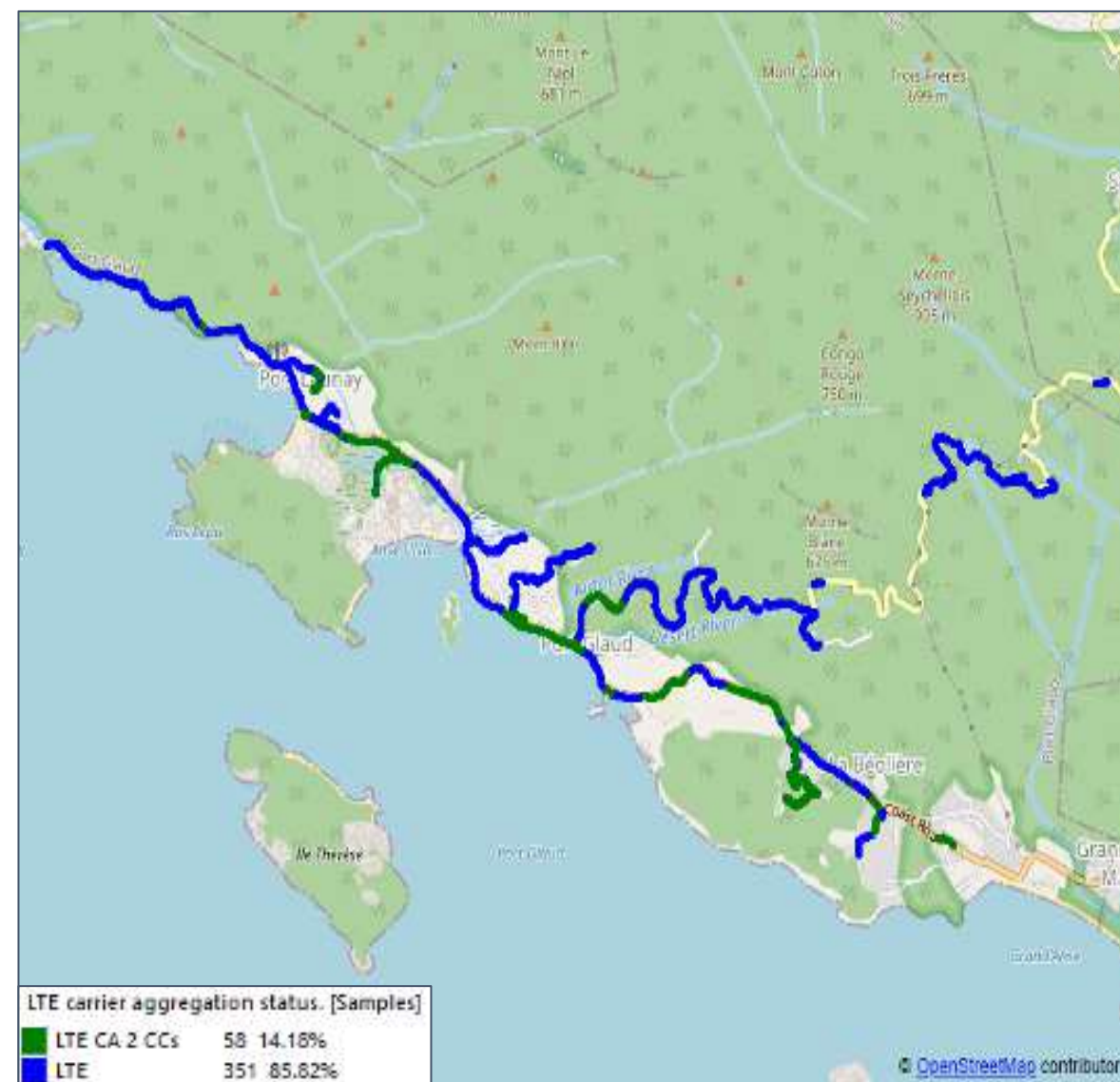
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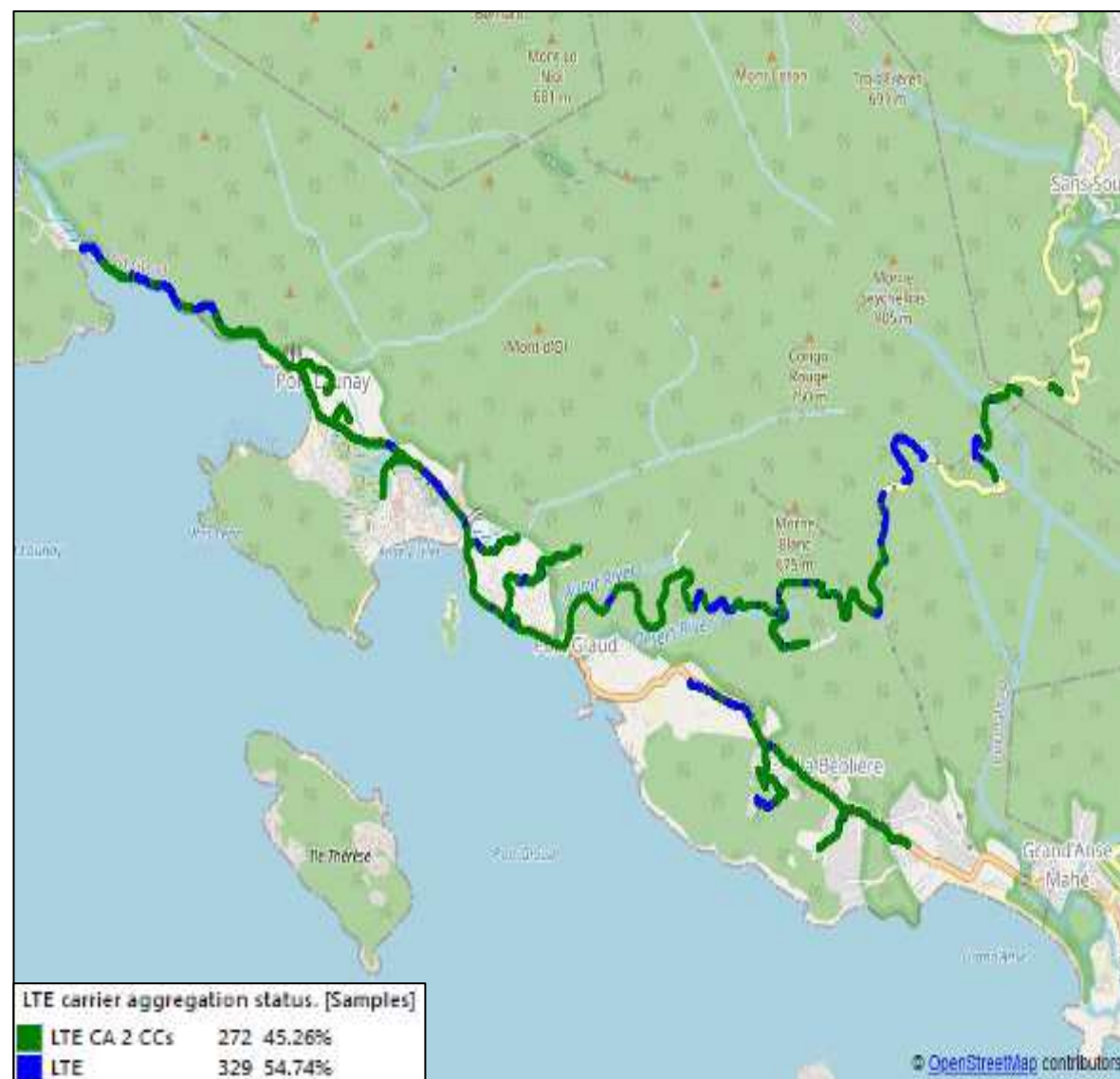
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CWS Data 4G



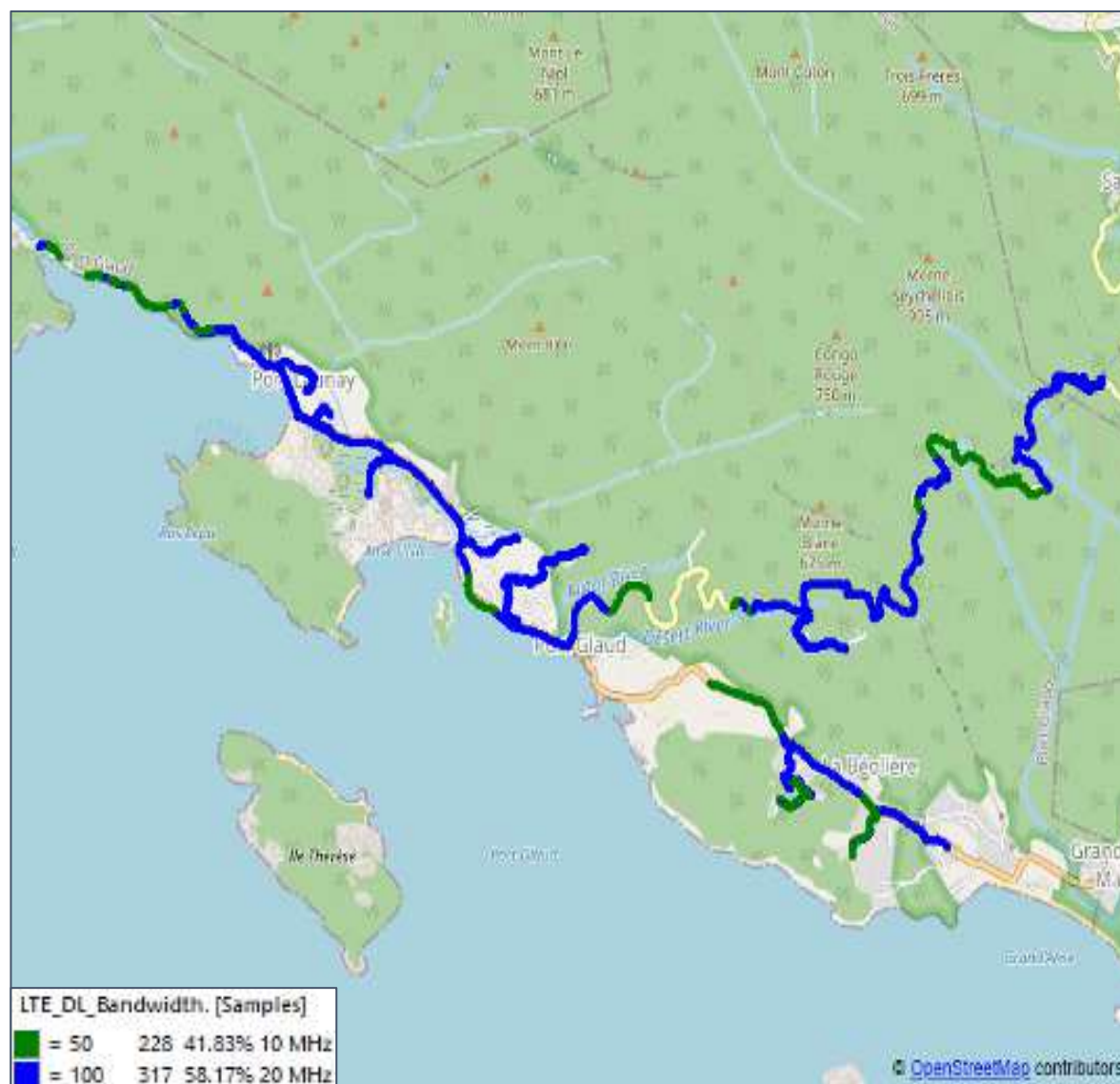
Airtel Data 4G



CWS Data 4G



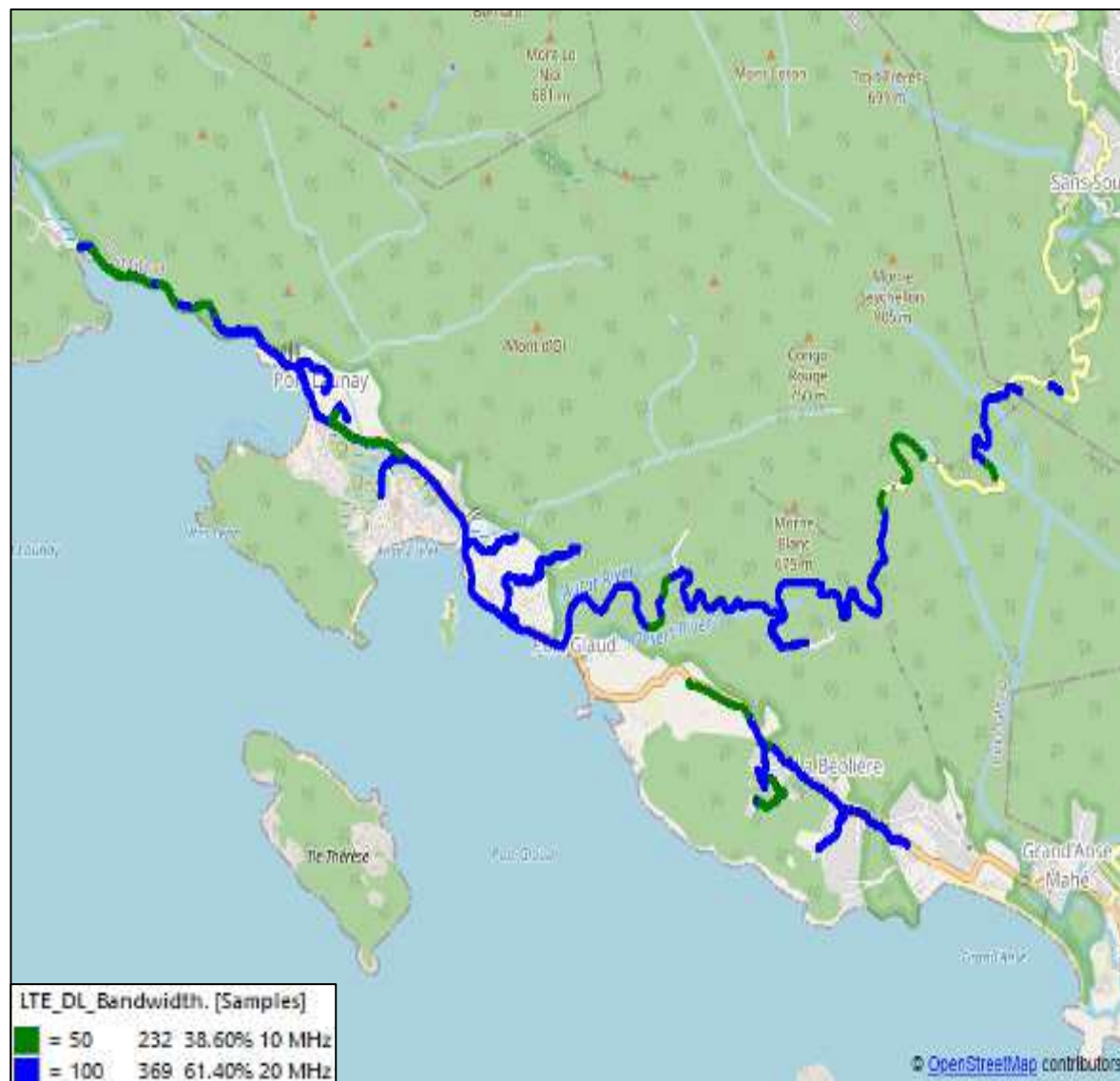
Airtel Data 4G



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	4
Poor Coverage	3
Network End	1

Call Attempt Failure cause from CWS	Count
Total Call Attempt Failure	9
Poor Coverage	8
Poor Quality	1

Call Drop cause from Airtel	Count
Total Call Drop	1
Poor Coverage	1

Call Drop cause from CWS	Count
Total Call Drop	1
Poor Coverage	1

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

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best a		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	9:16:41.466	UMTS FDD	900	Nor	942. -77.1	9:15:49.347	3050	307		3170.	RRCSM	UMTS FDD	Uplink	9:16:24.226	DCCH	SECURITY_MODE_COMPLETE
2.	9:39:50.028	GSM	900	TCF	943. -	9:15:49.347	3050	307	-4.8	3171.	RRCSM	UMTS FDD	Downlink	9:16:24.326	DCCH	DOWNLINK_DIRECT_TRANSFER
3.	10:33:30.333	UMTS FDD	2100	Nor	944. -80.5	9:15:49.778	3050	307		3172.	L3SM	UMTS FDD	Downlink	9:16:24.326	DCCH	IDENTITY_REQUEST
4.	10:43:29.047	UMTS FDD	900	Call	945. -	9:15:49.778	3050	307	-6.5	3173.	RRCSM	UMTS FDD	Uplink	9:16:24.326	DCCH	UPLINK_DIRECT_TRANSFER
					946. -74.1	9:15:50.405	3050	307		3174.	L3SM	UMTS FDD	Uplink	9:16:24.326	DCCH	IDENTITY_RESPONSE
					947. -	9:15:50.405	3050	307	-5.8	3175.	RRCSM	UMTS FDD	Uplink	9:16:24.337	DCCH	MEASUREMENT_REPORT
					948. -80.7	9:15:50.918	3050	307		3176.	RRCSM	UMTS FDD	Downlink	9:16:24.446	DCCH	DOWNLINK_DIRECT_TRANSFER
					949. -	9:15:50.918	3050	307	-4.5	3177.	L3SM	UMTS FDD	Downlink	9:16:24.446	DCCH	LOCATION_UPDATING_ACCEPT
					950. -77.2	9:15:51.349	3050	307		3178.	RRCSM	UMTS FDD	Uplink	9:16:24.447	DCCH	UPLINK_DIRECT_TRANSFER
					951. -	9:15:51.349	3050	307	-5.9	3179.	L3SM	UMTS FDD	Uplink	9:16:24.447	DCCH	CM_SERVICE_REQUEST
					952. -74.7	9:15:52.056	3050	307		3180.	RRCSM	UMTS FDD	Downlink	9:16:24.565	DCCH	DOWNLINK_DIRECT_TRANSFER
					953. -	9:15:52.056	3050	307	-5.2	3181.	L3SM	UMTS FDD	Downlink	9:16:24.565	DCCH	CM_SERVICE_ACCEPT
					954. -92	9:16:23.682	3050	307		3182.	RRCSM	UMTS FDD	Uplink	9:16:24.566	DCCH	UPLINK_DIRECT_TRANSFER
					955. -	9:16:23.682	3050	307	-14	3183.	L3SM	UMTS FDD	Uplink	9:16:24.566	DCCH	SETUP
					956. -92	9:16:24.274	3050	307		3184.	RRCSM	UMTS FDD	Downlink	9:16:24.675	DCCH	DOWNLINK_DIRECT_TRANSFER
					957. -	9:16:24.274	3050	307	-13.7	3185.	L3SM	UMTS FDD	Downlink	9:16:24.675	DCCH	CALL_PROCEEDING
					958. -92	9:16:24.636	3050	307		3186.	RRCSM	UMTS FDD	Uplink	9:16:25.207	DCCH	MEASUREMENT_REPORT
					959. -	9:16:24.636	3050	307	-9.3	3187.	RRCSM	UMTS FDD	Uplink	9:16:25.269	DCCH	MEASUREMENT_REPORT
					960. -92	9:16:25.276	3050	307		3188.	RRCSM	UMTS FDD	Uplink	9:16:25.269	DCCH	MEASUREMENT_REPORT
					961. -	9:16:25.276	3050	307	-7.9	3189.	RRCSM	UMTS FDD	Uplink	9:16:29.489	DCCH	MEASUREMENT_REPORT
					962. -92	9:16:25.668	3050	307		3190.	RRCSM	UMTS FDD	Downlink	9:16:30.565	DCCH	RADIO_BEARER_SETUP
					963. -	9:16:25.668	3050	307	-13.4	3191.	RRCSM	UMTS FDD	Uplink	9:16:30.899	DCCH	RADIO_BEARER_SETUP_COMPLETE
					964. -92	9:16:26.275	3050	307		3192.	RRCSM	UMTS FDD	Downlink	9:16:31.186	DCCH	RADIO_BEARER_RECONFIGURATION
					965. -	9:16:26.275	3050	307	-12.4	3193.	RRCSM	UMTS FDD	Downlink	9:16:31.226	DCCH	DOWNLINK_DIRECT_TRANSFER
					966. -92	9:16:26.830	3050	307		3194.	L3SM	UMTS FDD	Downlink	9:16:31.226	DCCH	PROGRESS
					967. -	9:16:26.830	3050	307	-8.5	3195.	RRCSM	UMTS FDD	Uplink	9:16:31.228	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					968. -88.4	9:16:27.275	3050	307		3196.	RRCSM	UMTS FDD	Downlink	9:16:31.946	DCCH	MEASUREMENT_CONTROL
					969. -	9:16:27.275	3050	307	-9.8	3197.	RRCSM	UMTS FDD	Uplink	9:16:32.047	DCCH	MEASUREMENT_REPORT
					970. -91.7	9:16:27.648	3050	307		3198.	RRCSM	UMTS FDD	Downlink	9:16:32.066	DCCH	SECURITY_MODE_COMMAND
					971. -	9:16:27.648	3050	307	-8.3	3199.	RRCSM	UMTS FDD	Uplink	9:16:32.067	DCCH	SECURITY_MODE_COMPLETE
					972. -93.3	9:16:28.346	3050	307		3200.	RRCSM	UMTS FDD	Uplink	9:16:32.297	DCCH	MEASUREMENT_REPORT
					973. -	9:16:28.346	3050	307	-13.9	3201.	RRCSM	UMTS FDD	Downlink	9:16:32.506	DCCH	DOWNLINK_DIRECT_TRANSFER
					974. -95.8	9:16:28.748	3050	307		3202.	L3SM	UMTS FDD	Downlink	9:16:32.506	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					975. -	9:16:28.748	3050	307	-16.1	3203.	RRCSM	UMTS FDD	Uplink	9:16:32.509	DCCH	UPLINK_DIRECT_TRANSFER
					976. -88.9	9:16:29.348	3050	307		3204.	L3SM	UMTS FDD	Uplink	9:16:32.509	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					977. -	9:16:29.348	3050	307	-6.5	3205.	RRCSM	UMTS FDD	Downlink	9:16:32.826	DCCH	DOWNLINK_DIRECT_TRANSFER

Analysis:

- This call failure event occurred on short call at 09:16:41:466 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 307 and RF condition RSCP - 92 dBm and ECNO -9.3 dB are very good.
- Need to check MT End.

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

	Time	Cell type	Band	Band (MHz)	Ch	PCI	RSRP	SNR	Cell		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1445.	9:16:21.350							9.3	PCel	3662.	RRCSM	UMTS FDD	Downlink	9:16:35.840	BCCH	MASTER_INFORMATION_BLOCK
1446.	9:16:22.614	Serving	B3	1800	1300	143	-111.6			3663.	RRCSM	UMTS FDD	Downlink	9:16:35.860	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
1447.	9:16:22.614							1.2	PCel	3664.	RRCSM	UMTS FDD	Downlink	9:16:35.880	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
1448.	9:16:24.349	Serving	B3	1800	1300	143	-113.6			3665.	RRCSM	UMTS FDD	Downlink	9:16:35.900	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
1449.	9:16:24.349							-4.7	PCel	3666.	RRCSM	UMTS FDD	Downlink	9:16:36.120	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
1450.	9:16:25.288	Serving	B3	1800	1300	143	-111.2			3667.	RRCSM	UMTS FDD	Downlink	9:16:36.140	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
1451.	9:16:25.288							7.2	PCel	3668.	RRCSM	UMTS FDD	Downlink	9:16:36.780	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
1452.	9:16:25.603	Serving	B3	1800	1300	143	-109.4			3669.	RRCSM	UMTS FDD	Downlink	9:16:36.780	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_18
1453.	9:16:25.603							5.9	PCel	3670.	RRCSM	UMTS FDD	Downlink	9:16:36.780	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_2
1454.	9:16:26.061	Serving	B3	1800	1300	143	-111.9			3671.	RRCSM	LTE FDD	Downlink	9:16:39.681	BCCH-BCH	MasterInformationBlock
1455.	9:16:39.862	Serving	B3	1800	1300	143	-104.2			3672.	RRCSM	LTE FDD	Downlink	9:16:39.705	BCCH-SCH	SystemInformationBlockType1
1456.	9:16:39.862								PCel	3673.	RRCSM	LTE FDD	Downlink	9:16:39.705	BCCH-SCH	SystemInformation - SIB2, SIB3
1457.	9:16:39.862							7.7	PCel	3674.	L3SM	LTE FDD	Uplink	9:16:39.725		TRACKING_AREA_UPDATE_REQUEST
1458.	9:16:39.961	Serving	B3	1800	1300	143	-105.6			3675.	RRCSM	LTE FDD	Uplink	9:16:39.726	CCCH	RRCCConnectionRequest
1459.	9:16:39.961							8.4	PCel	3676.	RRCSM	LTE FDD	Downlink	9:16:39.781	CCCH	RRCCConnectionSetup
1460.	9:16:40.539	Serving	B3	1800	1300	143	-110.6			3677.	RRCSM	LTE FDD	Uplink	9:16:39.786	DCCH	RRCCConnectionSetupComplete
1461.	9:16:40.539							0.8	PCel	3678.	RRCSM	LTE FDD	Downlink	9:16:39.871	DCCH	DLInformationTransfer
1462.	9:16:40.857	Serving	B3	1800	1300	143	-110.6			3679.	L3SM	LTE FDD	Downlink	9:16:39.872		TRACKING_AREA_UPDATE_ACCEPT
1463.	9:16:41.816	Serving	B3	1800	1300	143	-110.1			3680.	L3SM	LTE FDD	Uplink	9:16:39.874		TRACKING_AREA_UPDATE_COMPLETE
1464.	9:16:41.816							5.5	PCel	3681.	RRCSM	LTE FDD	Uplink	9:16:39.874	DCCH	ULInformationTransfer
1465.	9:16:43.092	Serving	B3	1800	1300	143	-108.9			3682.	RRCSM	LTE FDD	Downlink	9:16:39.902	DCCH	RRCCConnectionRelease
1466.	9:16:43.092							8.2	PCel	3683.	RRCSM	LTE FDD	Downlink	9:16:40.445	BCCH-SCH	SystemInformationBlockType1
1467.	9:16:43.595	Serving	B3	1800	1300	143	-108.9			3684.	RRCSM	LTE FDD	Downlink	9:16:53.417	PCCH	Paging
1468.	9:16:44.597	Serving	B3	1800	1300	143	-107.9			3685.	RRCSM	LTE FDD	Downlink	9:17:06.131	PCCH	Paging
1469.	9:16:44.597							12.9	PCel	3686.	L3SM	LTE FDD	Uplink	9:17:06.131		SERVICE_REQUEST
1470.	9:16:45.656	Serving	B3	1800	1300	143	-108.5			3687.	RRCSM	LTE FDD	Uplink	9:17:06.132	CCCH	RRCCConnectionRequest
1471.	9:16:45.656							8.5	PCel	3688.	RRCSM	LTE FDD	Downlink	9:17:06.219	CCCH	RRCCConnectionSetup
1472.	9:16:47.349	Serving	B3	1800	1300	143	-103.4			3689.	RRCSM	LTE FDD	Uplink	9:17:06.224	DCCH	RRCCConnectionSetupComplete
1473.	9:16:47.349							14.6	PCel	3690.	RRCSM	LTE FDD	Downlink	9:17:06.261	DCCH	SecurityModeCommand
1474.	9:16:48.350	Serving	B3	1800	1300	143	-100.9			3691.	RRCSM	LTE FDD	Uplink	9:17:06.262	DCCH	SecurityModeComplete
1475.	9:16:48.350							17.4	PCel	3692.	RRCSM	LTE FDD	Downlink	9:17:06.266	DCCH	RRCCConnectionReconfiguration
1476.	9:16:49.494	Serving	B3	1800	1300	143	-102.6			3693.	RRCSM	LTE FDD	Uplink	9:17:06.281	DCCH	RRCCConnectionReconfigurationComplete
1477.	9:16:49.494							16.3	PCel	3694.	RRCSM	LTE FDD	Downlink	9:17:06.305	DCCH	UECapabilityEnquiry
1478.	9:16:50.776	Serving	B3	1800	1300	143	-96.9			3695.	RRCSM	LTE FDD	Uplink	9:17:06.307	DCCH	UECapabilityInformation
1479.	9:16:50.776							19.4	PCel	3696.	RRCSM	UMTS FDD	Uplink	9:17:06.307		INTER_RAT_HANDOVER_INFO
1480.	9:16:52.407	Serving	B3	1800	1300	143	-94.1			3697.	RRCSM	LTE FDD	Uplink	9:17:06.362	DCCH	MeasurementReport

Analysis:

- On MT End, During the setup fail, UE was latched with PCI 143 and RF condition RSRP -110.6 dBm is poor but SINR 0.8 dB was ok.
- As per the analysis call failure happened due to Poor coverage of the network.

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

	Time	System	Serving band			Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub		Event ID	System	Transf. dir.	Time	Subchannel	Message name	Msg	
1.	9:16:41.466	UMTS FDD	900	Nor	66.	9:39:40.847	-88	90	25	50000	1			7559.	L3SM	GSM	Uplink	9:39:43.921	SACCH	MEASUREMENT_REPORT	
2.	9:39:50.028	GSM	900	TCH	67.	9:39:41.097						4		7560.	L3SM	GSM	Downlink	9:39:44.055	SACCH	SYSTEM_INFORMATION_TYPE_5	
3.	10:33:30.333	UMTS FDD	2100	Nor	68.	9:39:41.355	-87	90	25	50000	1			7561.	L3SM	GSM	Uplink	9:39:44.392	SACCH	MEASUREMENT_REPORT	
4.	10:43:29.047	UMTS FDD	900	Call	69.	9:39:41.567						0		7562.	L3SM	GSM	Downlink	9:39:44.526	SACCH	MEASUREMENT_INFORMATION	
					70.	9:39:41.789	-86	90	25	50000	1			7563.	L3SM	GSM	Uplink	9:39:44.863	SACCH	MEASUREMENT_REPORT	
					71.	9:39:42.038						6		7564.	L3SM	GSM	Downlink	9:39:44.997	SACCH	SYSTEM_INFORMATION_TYPE_6	
					72.	9:39:42.356	-96	90	25	50000	1			7565.	L3SM	GSM	Uplink	9:39:45.334	SACCH	MEASUREMENT_REPORT	
					73.	9:39:42.509						3		7566.	L3SM	GSM	Downlink	9:39:45.467	SACCH	SYSTEM_INFORMATION_TYPE_5	
					74.	9:39:42.725						7		7567.	L3SM	GSM	Downlink	9:39:45.790	DCCH	ASSIGNMENT_COMMAND	
					75.	9:39:42.767	-88	109	25	50000	1			7568.	L3SM	GSM	Uplink	9:39:45.804	SACCH	MEASUREMENT_REPORT	
					76.	9:39:43.354	-100	109	25	50000	1			7569.	L3SM	GSM	Uplink	9:39:45.851	DCCH	ASSIGNMENT_COMPLETE	
					77.	9:39:43.921	-91	90	25	50000	1			7570.	L3SM	GSM	Uplink	9:39:46.085	SACCH	MEASUREMENT_REPORT	
					78.	9:39:44.392						6		7571.	L3SM	GSM	Uplink	9:39:46.565	SACCH	MEASUREMENT_REPORT	
					79.	9:39:44.526	-90	90	25	50000	1			7572.	L3SM	GSM	Uplink	9:39:46.962	DCCH	ASSIGNMENT_FAILURE	
					80.	9:39:44.863						4		7573.	L3SM	GSM	Uplink	9:39:47.217	SACCH	MEASUREMENT_REPORT	
					81.	9:39:44.997	-89	90	25	50000	1			7574.	L3SM	GSM	Downlink	9:39:47.350	SACCH	MEASUREMENT_INFORMATION	
					82.	9:39:45.334						6		7575.	L3SM	GSM	Uplink	9:39:47.687	SACCH	MEASUREMENT_REPORT	
					83.	9:39:45.467	-91	90	25	50000	1			7576.	L3SM	GSM	Downlink	9:39:47.821	SACCH	SYSTEM_INFORMATION_TYPE_6	
					84.	9:39:45.804						2		7577.	L3SM	GSM	Uplink	9:39:48.158	SACCH	MEASUREMENT_REPORT	
					85.	9:39:46.085	-91	90	25	50000	1			7578.	L3SM	GSM	Downlink	9:39:48.380	DCCH	ASSIGNMENT_COMMAND	
					86.	9:39:46.085						7		7579.	L3SM	GSM	Uplink	9:39:48.394	DCCH	ASSIGNMENT_COMPLETE	
					87.	9:39:46.671	-100	109	25	50000	1			7580.	L3SM	GSM	Uplink	9:39:48.485	SACCH	MEASUREMENT_REPORT	
					88.	9:39:47.687	-92	90	25	50000	1			7581.	L3SM	GSM	Uplink	9:39:48.965	SACCH	MEASUREMENT_REPORT	
					89.	9:39:47.687						6		7582.	L3SM	GSM	Uplink	9:39:49.445	SACCH	MEASUREMENT_REPORT	
					90.	9:39:48.158						6		7583.	L3SM	GSM	Uplink	9:39:49.501	DCCH	ASSIGNMENT_FAILURE	
					91.	9:39:48.356	-92	90	25	50000	1			7584.	L3SM	GSM	Uplink	9:39:49.571	SACCH	MEASUREMENT_REPORT	
					92.	9:39:48.485						7		7585.	L3SM	GSM	Downlink	9:39:49.704	SACCH	SYSTEM_INFORMATION_TYPE_5	
					93.	9:39:48.730	-92	109	25	50000	1			7586.	L3SM	GSM	Downlink	9:39:50.027	DCCH	DISCONNECT	
					94.	9:39:49.354	-99	109	25	50000	1			7587.	L3SM	GSM	Uplink	9:39:50.028	DCCH	RELEASE	
					95.	9:39:49.571	-91	90	25	50000	1			7588.	L3SM	GSM	Uplink	9:39:50.041	SACCH	MEASUREMENT_REPORT	
					96.	9:39:50.041						7		7589.	L3SM	GSM	Downlink	9:39:50.263	DCCH	RELEASE_COMPLETE	
					97.	9:39:50.347	-91	90	25	50000	1			7590.	L3SM	GSM	Downlink	9:39:50.498	DCCH	CHANNEL_RELEASE	
					98.	9:39:50.733	-91	90	25	50000	1			7591.	L3SM	GSM	Uplink	9:39:51.004	PDTCH	ROUTING_AREA_UPDATE_REQUEST	
					99.	9:39:50.733								7592.	L3SM	GSM	Downlink	9:39:51.300	CCCH	PAGING_REQUEST_TYPE_1	
					100.	9:39:52.624	-91	90	25	50000	1			7593.	L3SM	GSM	Downlink	9:39:52.006	CCCH	PAGING_REQUEST_TYPE_1	
					101.	9:39:52.822	-91	90	25	50000	1			7594.	L3SM	GSM	Downlink	9:39:52.366	BCCH	SYSTEM_INFORMATION_TYPE_3	
					102.	9:39:53.353	-100	109	25	50000	1			7595.	L3SM	GSM	Downlink	9:39:52.505	CCCH	IMMEDIATE_ASSIGNMENT	

Analysis:

- This call failure event occurred on short call at 09:39:50:028 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 90 and RF condition Rx lev -91 dBm and Rx qual 7 dB both is poor.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

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

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	9:16:41.466	UMTS FDD	900	Nor	7539.	10:33:24.376	10562	138	-22.9	17167.	L3SM	UMTS FDD	Uplink	10:33:13.603	DCCH	CM_SERVICE_REQUEST
2.	9:39:50.028	GSM	900	TC+	7540.	10:33:24.776	10562	138		17168.	RRCSM	UMTS FDD	Uplink	10:33:13.603	DCCH	INITIAL_DIRECT_TRANSFER
3.	10:33:30.333	UMTS FDD	2100	Nor	7541.	10:33:24.776	10562	138	-21.5	17169.	L3SM	UMTS FDD	Uplink	10:33:13.603	DCCH	ROUTING_AREA_UPDATE_REQUEST
4.	10:43:29.047	UMTS FDD	900	Call	7542.	10:33:25.376	10562	138		17170.	RRCSM	UMTS FDD	Downlink	10:33:13.836	DCCH	MEASUREMENT_CONTROL
					7543.	10:33:25.816	10562	138		17171.	RRCSM	UMTS FDD	Downlink	10:33:13.886	DCCH	MEASUREMENT_CONTROL
					7544.	10:33:25.816	10562	138	-23.3	17172.	RRCSM	UMTS FDD	Downlink	10:33:13.887	DCCH	MEASUREMENT_CONTROL
					7545.	10:33:26.429	10562	138		17173.	RRCSM	UMTS FDD	Downlink	10:33:13.896	DCCH	MEASUREMENT_CONTROL
					7546.	10:33:26.429	10562	138	-22.2	17174.	RRCSM	UMTS FDD	Downlink	10:33:13.906	DCCH	MEASUREMENT_CONTROL
					7547.	10:33:27.054	10562	138		17175.	RRCSM	UMTS FDD	Downlink	10:33:13.946	DCCH	DOWNLINK_DIRECT_TRANSFER
					7548.	10:33:27.054	10562	138	-20.1	17176.	L3SM	UMTS FDD	Downlink	10:33:13.946	DCCH	AUTHENTICATION_REQUEST
					7549.	10:33:27.554	10562	138		17177.	RRCSM	UMTS FDD	Uplink	10:33:14.093	DCCH	UPLINK_DIRECT_TRANSFER
					7550.	10:33:27.554	10562	138	-23.3	17178.	L3SM	UMTS FDD	Uplink	10:33:14.093	DCCH	AUTHENTICATION_RESPONSE
					7551.	10:33:28.097	10562	138		17179.	RRCSM	UMTS FDD	Downlink	10:33:14.196	DCCH	SECURITY_MODE_COMMAND
					7552.	10:33:28.097	10562	138	-21.2	17180.	RRCSM	UMTS FDD	Uplink	10:33:14.197	DCCH	SECURITY_MODE_COMPLETE
					7553.	10:33:28.583	10562	138		17181.	RRCSM	UMTS FDD	Uplink	10:33:14.287	DCCH	UPLINK_DIRECT_TRANSFER
					7554.	10:33:28.583	10562	138	-25.6	17182.	L3SM	UMTS FDD	Uplink	10:33:14.287	DCCH	SETUP
					7555.	10:33:29.375	10562	138		17183.	RRCSM	UMTS FDD	Downlink	10:33:14.306	DCCH	DOWNLINK_DIRECT_TRANSFER
					7556.	10:33:29.375	10562	138	-23.4	17184.	L3SM	UMTS FDD	Downlink	10:33:14.306	DCCH	IDENTITY_REQUEST
					7557.	10:33:29.775	10562	138		17185.	RRCSM	UMTS FDD	Uplink	10:33:14.307	DCCH	UPLINK_DIRECT_TRANSFER
					7558.	10:33:29.775	10562	138	-19.2	17186.	L3SM	UMTS FDD	Uplink	10:33:14.307	DCCH	IDENTITY_RESPONSE
					7559.	10:33:30.377	10562	138		17187.	RRCSM	UMTS FDD	Downlink	10:33:14.406	DCCH	DOWNLINK_DIRECT_TRANSFER
					7560.	10:33:30.377	10562	138	-18	17188.	L3SM	UMTS FDD	Downlink	10:33:14.406	DCCH	CALL_PROCEEDING
					7561.	10:33:30.974	10562	138		17189.	RRCSM	UMTS FDD	Uplink	10:33:15.137	DCCH	MEASUREMENT_REPORT
					7562.	10:33:38.550	3050	138		17190.	RRCSM	UMTS FDD	Uplink	10:33:15.229	DCCH	MEASUREMENT_REPORT
					7563.	10:33:38.550	3050	138	-17.5	17191.	RRCSM	UMTS FDD	Uplink	10:33:15.229	DCCH	MEASUREMENT_REPORT
					7564.	10:33:39.047	3050	138		17192.	RRCSM	UMTS FDD	Downlink	10:33:19.635	DCCH	RADIO_BEARER_SETUP
					7565.	10:33:39.047	3050	138	-21.5	17193.	RRCSM	UMTS FDD	Uplink	10:33:19.968	DCCH	RADIO_BEARER_SETUP_COMPLETE
					7566.	10:33:39.642	3050	138		17194.	RRCSM	UMTS FDD	Downlink	10:33:20.256	DCCH	RADIO_BEARER_RECONFIGURATION
					7567.	10:33:40.426	3050	138		17195.	RRCSM	UMTS FDD	Downlink	10:33:20.296	DCCH	DOWNLINK_DIRECT_TRANSFER
					7568.	10:33:40.426	3050	138	-20.8	17196.	L3SM	UMTS FDD	Downlink	10:33:20.296	DCCH	PROGRESS
					7569.	10:33:40.632	3050	138		17197.	RRCSM	UMTS FDD	Uplink	10:33:20.297	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					7570.	10:33:40.632	3050	138	-17.5	17198.	RRCSM	UMTS FDD	Uplink	10:33:20.468	DCCH	MEASUREMENT_REPORT
					7571.	10:33:41.157	3050	138		17199.	RRCSM	UMTS FDD	Downlink	10:33:20.736	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					7572.	10:33:41.157	3050	138	-25.9	17200.	RRCSM	UMTS FDD	Uplink	10:33:20.777	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					7573.	10:33:41.714	3050	138		17201.	RRCSM	UMTS FDD	Downlink	10:33:21.376	DCCH	MEASUREMENT_CONTROL
					7574.	10:33:41.714	3050	138	-25.9	17202.	RRCSM	UMTS FDD	Downlink	10:33:22.734	DCCH	SECURITY_MODE_COMMAND

Analysis:

- This call failure event occurred on short call at 10:33:30:333 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 138 and RF condition RSCP -118.1 dBm and Ec/No -19.2 dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

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

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	9:16:41.466	UMTS FDD	900	Nor	8055.		10:42:48.077	3050	138	-5	19326.	RRCSM	UMTS FDD	Downlink	10:43:27.988	DCCH	MEASUREMENT_CONTROL
2.	9:39:50.028	GSM	900	TCF	8056.	-71.1	10:42:48.425	3050	138		19327.	RRCSM	UMTS FDD	Downlink	10:43:27.989	DCCH	MEASUREMENT_CONTROL
3.	10:33:30.333	UMTS FDD	2100	Nor	8057.		10:42:48.425	3050	138	-5	19328.	RRCSM	UMTS FDD	Downlink	10:43:27.998	DCCH	MEASUREMENT_CONTROL
4.	10:43:29.047	UMTS FDD	900	Cal	8058.	-73	10:42:49.022	3050	138		19329.	RRCSM	UMTS FDD	Downlink	10:43:28.008	DCCH	MEASUREMENT_CONTROL
					8059.		10:42:49.022	3050	138	-4.7	19330.	RRCSM	UMTS FDD	Downlink	10:43:28.018	DCCH	MEASUREMENT_CONTROL
					8060.	-71.2	10:42:49.523	3050	138		19331.	RRCSM	UMTS FDD	Downlink	10:43:28.058	DCCH	DOWNLINK_DIRECT_TRANSFER
					8061.		10:42:49.523	3050	138	-4.8	19332.	L3SM	UMTS FDD	Downlink	10:43:28.058	DCCH	AUTHENTICATION_REQUEST
					8062.	-78.7	10:42:50.083	3050	130		19333.	RRCSM	UMTS FDD	Uplink	10:43:28.109	DCCH	MEASUREMENT_REPORT
					8063.		10:42:50.083	3050	138	-5.8	19334.	RRCSM	UMTS FDD	Uplink	10:43:28.187	DCCH	UPLINK_DIRECT_TRANSFER
					8064.	-71	10:42:50.532	3050	138		19335.	L3SM	UMTS FDD	Uplink	10:43:28.187	DCCH	AUTHENTICATION_RESPONSE
					8065.		10:42:50.532	3050	138	-4.9	19336.	RRCSM	UMTS FDD	Uplink	10:43:28.261	DCCH	MEASUREMENT_REPORT
					8066.	-73.9	10:42:51.083	3050	130		19337.	RRCSM	UMTS FDD	Downlink	10:43:28.278	DCCH	SECURITY_MODE_COMMAND
					8067.		10:42:51.083	3050	130	-5.2	19338.	RRCSM	UMTS FDD	Uplink	10:43:28.279	DCCH	SECURITY_MODE_COMPLETE
					8068.	-71.5	10:42:51.523	3050	138		19339.	RRCSM	UMTS FDD	Uplink	10:43:28.359	DCCH	MEASUREMENT_REPORT
					8069.		10:42:51.523	3050	138	-5	19340.	RRCSM	UMTS FDD	Uplink	10:43:28.379	DCCH	UPLINK_DIRECT_TRANSFER
					8070.	-74.1	10:42:52.092	3050	138		19341.	L3SM	UMTS FDD	Uplink	10:43:28.379	DCCH	SETUP
					8071.		10:42:52.092	3050	138	-10.5	19342.	RRCSM	UMTS FDD	Downlink	10:43:28.388	DCCH	ACTIVE_SET_UPDATE
					8072.	-77.8	10:42:52.514	3050	130		19343.	RRCSM	UMTS FDD	Downlink	10:43:28.398	DCCH	DOWNLINK_DIRECT_TRANSFER
					8073.		10:42:52.514	3050	130	-5.8	19344.	L3SM	UMTS FDD	Downlink	10:43:28.398	DCCH	IDENTITY_REQUEST
					8074.	-82.8	10:42:53.022	3050	130		19345.	RRCSM	UMTS FDD	Uplink	10:43:28.399	DCCH	UPLINK_DIRECT_TRANSFER
					8075.		10:42:53.022	3050	130	-6.9	19346.	L3SM	UMTS FDD	Uplink	10:43:28.399	DCCH	IDENTITY_RESPONSE
					8076.	-76.8	10:42:53.525	3050	130		19347.	RRCSM	UMTS FDD	Uplink	10:43:28.400	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					8077.		10:42:53.525	3050	130	-8.8	19348.	RRCSM	UMTS FDD	Downlink	10:43:28.538	DCCH	DOWNLINK_DIRECT_TRANSFER
					8078.	-73.9	10:42:54.412	3050	138		19349.	L3SM	UMTS FDD	Downlink	10:43:28.538	DCCH	CALL_PROCEEDING
					8079.		10:42:54.412	3050	138	-4.1	19350.	RRCSM	UMTS FDD	Uplink	10:43:29.042	DCCH	UPLINK_DIRECT_TRANSFER
					8080.	-73.7	10:42:54.525	3050	138		19351.	L3SM	UMTS FDD	Uplink	10:43:29.042	DCCH	DISCONNECT
					8081.		10:42:54.525	3050	138	-5.8	19352.	RRCSM	UMTS FDD	Downlink	10:43:29.128	DCCH	DOWNLINK_DIRECT_TRANSFER
					8082.	-80.4	10:42:55.412	3050	130		19353.	L3SM	UMTS FDD	Downlink	10:43:29.128	DCCH	RELEASE
					8083.		10:42:55.412	3050	130	-8	19354.	RRCSM	UMTS FDD	Uplink	10:43:29.129	DCCH	UPLINK_DIRECT_TRANSFER
					8084.	-81.6	10:42:55.852	3050	130		19355.	L3SM	UMTS FDD	Uplink	10:43:29.129	DCCH	RELEASE_COMPLETE
					8085.		10:42:55.852	3050	130	-7.8	19356.	RRCSM	UMTS FDD	Downlink	10:43:29.208	DCCH	MEASUREMENT_CONTROL
					8086.	-74	10:43:27.926	3050	130		19357.	RRCSM	UMTS FDD	Downlink	10:43:29.218	DCCH	SIGNALLING_CONNECTION_RELEASE
					8087.		10:43:27.926	3050	130	-3.6	19358.	RRCSM	UMTS FDD	Uplink	10:43:29.219	DCCH	INITIAL_DIRECT_TRANSFER
					8088.	-74	10:43:28.456	3050	130		19359.	L3SM	UMTS FDD	Uplink	10:43:29.219	DCCH	LOCATION_UPDATING_REQUEST
					8089.		10:43:28.456	3050	138	-3.6	19360.	RRCSM	UMTS FDD	Uplink	10:43:29.229	DCCH	MEASUREMENT_REPORT
					8090.	-74	10:43:29.169	3050	130		19361.	RRCSM	UMTS FDD	Uplink	10:43:29.291	DCCH	MEASUREMENT_REPORT
					8091.		10:43:29.169	3050	130	-3.3	19362.	RRCSM	UMTS FDD	Downlink	10:43:29.298	DCCH	SECURITY_MODE_COMMAND

Analysis:

- This call failure event occurred on short call at 10:43:29:047 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 138 and RF condition RSCP - 74 dBm and ECNO -3.6 dB are very good.
- Need to check MT End.

Phase-1 Call Attempt Failure Analysis 4 From MS6 Airtel MT

	Time	Cell type	Band	Band (MHz)	Ch	PCI	RSRP	SNR	Ce		Event ID	System	Transf. dir.	Time	Subchannel	Message name
6539.	10:43:19.569							17.7	PC	19558.	RRCSM	LTE FDD	Uplink	10:42:56.941	DCCH	MeasurementReport
6540.	10:43:20.073	Serving	B3	1800	1300	220	-95.4			19559.	RRCSM	LTE FDD	Downlink	10:42:56.966	DCCH	RRCCConnectionReconfiguration
6541.	10:43:20.073							17.7	PC	19560.	RRCSM	LTE FDD	Uplink	10:42:56.967	DCCH	RRCCConnectionReconfigurationComplete
6542.	10:43:20.634	Serving	B3	1800	1300	220	-95.3			19561.	RRCSM	LTE FDD	Uplink	10:42:57.421	DCCH	MeasurementReport
6543.	10:43:20.634							18.3	PC	19562.	RRCSM	LTE FDD	Downlink	10:42:57.447	DCCH	RRCCConnectionReconfiguration
6544.	10:43:21.153	Serving	B3	1800	1300	220	-95.6			19563.	RRCSM	LTE FDD	Uplink	10:42:57.461	DCCH	RRCCConnectionReconfigurationComplete
6545.	10:43:21.153							18.4	PC	19564.	RRCSM	LTE FDD	Downlink	10:43:05.625	DCCH	RRCCConnectionReconfiguration
6546.	10:43:21.649	Serving	B3	1800	1300	220	-94.6			19565.	RRCSM	LTE FDD	Uplink	10:43:05.627	DCCH	RRCCConnectionReconfigurationComplete
6547.	10:43:21.649							18.8	PC	19566.	RRCSM	LTE FDD	Uplink	10:43:06.323	DCCH	MeasurementReport
6548.	10:43:22.171	Serving	B3	1800	1300	220	-92.8			19567.	RRCSM	LTE FDD	Downlink	10:43:06.362	DCCH	RRCCConnectionReconfiguration
6549.	10:43:22.171							18.2	PC	19568.	RRCSM	LTE FDD	Uplink	10:43:06.364	DCCH	RRCCConnectionReconfigurationComplete
6550.	10:43:22.665	Serving	B3	1800	1300	220	-91.3			19569.	RRCSM	LTE FDD	Downlink	10:43:06.398	DCCH	RRCCConnectionReconfiguration
6551.	10:43:22.665							20.4	PC	19570.	RRCSM	LTE FDD	Downlink	10:43:06.401	BCCH-SCH	SystemInformationBlockType1
6552.	10:43:23.191	Serving	B3	1800	1300	220	-93			19571.	RRCSM	LTE FDD	Downlink	10:43:06.401	BCCH-SCH	SystemInformation - SIB2, SIB3
6553.	10:43:23.191							21.3	PC	19572.	RRCSM	LTE FDD	Uplink	10:43:06.405	DCCH	RRCCConnectionReconfigurationComplete
6554.	10:43:23.734	Serving	B3	1800	1300	220	-95.1			19573.	RRCSM	LTE FDD	Uplink	10:43:06.448	DCCH	MeasurementReport
6555.	10:43:23.734							18.8	PC	19574.	RRCSM	LTE FDD	Downlink	10:43:06.460	DCCH	RRCCConnectionReconfiguration
6556.	10:43:24.249	Serving	B3	1800	1300	220	-95.6			19575.	RRCSM	LTE FDD	Uplink	10:43:06.461	DCCH	RRCCConnectionReconfigurationComplete
6557.	10:43:24.249							18.3	PC	19576.	RRCSM	LTE FDD	Downlink	10:43:06.794	BCCH-SCH	SystemInformationBlockType1
6558.	10:43:24.811	Serving	B3	1800	1300	220	-94.2			19577.	RRCSM	LTE FDD	Downlink	10:43:16.695	DCCH	RRCCConnectionReconfiguration
6559.	10:43:24.811							17	PC	19578.	RRCSM	LTE FDD	Uplink	10:43:16.707	DCCH	RRCCConnectionReconfigurationComplete
6560.	10:43:25.290	Serving	B3	1800	1300	220	-94.6			19579.	RRCSM	LTE FDD	Downlink	10:43:28.544	DCCH	DLInformationTransfer
6561.	10:43:25.290							17.5	PC	19580.	L3SM	LTE FDD	Downlink	10:43:28.545		CS_SERVICE_NOTIFICATION
6562.	10:43:25.815	Serving	B3	1800	1300	220	-94.7			19581.	L3SM	LTE FDD	Uplink	10:43:28.545		EXTENDED_SERVICE_REQUEST
6563.	10:43:25.815							19	PC	19582.	RRCSM	LTE FDD	Uplink	10:43:28.546	DCCH	ULInformationTransfer
6564.	10:43:26.354	Serving	B3	1800	1300	220	-93.3			19583.	RRCSM	LTE FDD	Downlink	10:43:28.576	DCCH	RRCCConnectionReconfiguration
6565.	10:43:26.354							17.8	PC	19584.	RRCSM	LTE FDD	Uplink	10:43:28.578	DCCH	RRCCConnectionReconfigurationComplete
6566.	10:43:26.834	Serving	B3	1800	1300	220	-93.8			19585.	RRCSM	LTE FDD	Uplink	10:43:28.739	DCCH	MeasurementReport
6567.	10:43:26.834							18.6	PC	19586.	RRCSM	LTE FDD	Downlink	10:43:28.751	DCCH	RRCCConnectionRelease
6568.	10:43:27.371	Serving	B3	1800	1300	220	-95.2			19587.	RRCSM	UMTS FDD	Downlink	10:43:29.051	BCCH_BCH	SYSTEM_INFORMATION_BCH
6569.	10:43:27.371							18.9	PC	19588.	RRCSM	UMTS FDD	Downlink	10:43:29.051	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
6570.	10:43:27.867	Serving	B3	1800	1300	220	-92.8			19589.	RRCSM	UMTS FDD	Downlink	10:43:29.051	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
6571.	10:43:27.867							21.5	PC	19590.	RRCSM	UMTS FDD	Downlink	10:43:29.071	BCCH_BCH	SYSTEM_INFORMATION_BCH
6572.	10:43:28.389	Serving	B3	1800	1300	220	-93.1			19591.	RRCSM	UMTS FDD	Downlink	10:43:29.091	BCCH_BCH	SYSTEM_INFORMATION_BCH
6573.	10:43:28.389							21.2	PC	19592.	RRCSM	UMTS FDD	Downlink	10:43:29.111	BCCH_BCH	SYSTEM_INFORMATION_BCH
6574.	10:43:28.803	Serving	B3	1800	1300	220	-94.1			19593.	RRCSM	UMTS FDD	Downlink	10:43:29.111	BCCH	MASTER_INFORMATION_BLOCK
6575.	10:43:28.803							18.8	PC	19594.	RRCSM	UMTS FDD	Downlink	10:43:29.211	BCCH_BCH	SYSTEM_INFORMATION_BCH

Analysis:

- On MT End, During the setup fail, UE was latched with PCI 220 and RF condition RSRP -94.1 dBm and SINR 18.8 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 1 From MS7 CWS MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best i		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	9:29:22.404	UMTS FDD	2100	Tim	1851.	9:28:51.286	10690	85	-17.1		5413.	RRCSM	UMTS FDD	Downlink	9:28:55.966	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
2.	9:30:08.558	UMTS FDD	2100	Dro	1852.	9:28:52.041	10690	85			5414.	RRCSM	UMTS FDD	Downlink	9:28:56.486	BCCH_BCH	SYSTEM_INFORMATION_BCH
3.	9:30:49.714	UMTS FDD	2100	Dro	1853.	9:28:52.041	10690	85	-17.9		5415.	RRCSM	UMTS FDD	Uplink	9:28:56.861	CCCH	RRC_CONNECTION_REQUEST
4.	9:33:45.370	UMTS FDD	2100	Dro	1854.	9:28:52.407	10690	85			5416.	RRCSM	UMTS FDD	Downlink	9:28:56.925	BCCH_BCH	SYSTEM_INFORMATION_BCH
5.	9:34:46.156	UMTS FDD	2100	Tim	1855.	9:28:52.407	10690	85	-19.1		5417.	RRCSM	UMTS FDD	Downlink	9:28:56.925	BCCH	MASTER_INFORMATION_BLOCK
6.	9:41:42.804	UMTS FDD	2100	Dro	1856.	9:28:52.947	10690	85			5418.	RRCSM	UMTS FDD	Downlink	9:28:56.925	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
7.	9:42:23.011	UMTS FDD	2100	Dro	1857.	9:28:52.947	10690	85	-23.9		5419.	RRCSM	UMTS FDD	Downlink	9:28:57.704	BCCH_BCH	SYSTEM_INFORMATION_BCH
8.	10:28:12.452	UMTS FDD	0	Tim	1858.	9:28:53.437	10690	85			5420.	RRCSM	UMTS FDD	Downlink	9:28:57.724	BCCH_BCH	SYSTEM_INFORMATION_BCH
9.	10:30:40.482	UMTS FDD	2100	Dro	1859.	9:28:53.437	10690	85	-20.6		5421.	RRCSM	UMTS FDD	Downlink	9:28:57.724	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
					1860.	9:28:54.447	10690	85			5422.	RRCSM	UMTS FDD	Downlink	9:28:57.744	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1861.	9:28:54.447	10690	85	-24.4		5423.	RRCSM	UMTS FDD	Downlink	9:28:57.744	BCCH	MASTER_INFORMATION_BLOCK
					1862.	9:28:55.408	10690	85			5424.	RRCSM	UMTS FDD	Downlink	9:28:58.044	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1863.	9:28:55.408	10690	85	-24.4		5425.	RRCSM	UMTS FDD	Downlink	9:28:58.044	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
					1864.	9:28:55.758	10690	85			5426.	RRCSM	UMTS FDD	Downlink	9:28:58.064	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1865.	9:28:55.758	10690	85	-21.5		5427.	RRCSM	UMTS FDD	Downlink	9:28:58.064	BCCH	MASTER_INFORMATION_BLOCK
					1866.	9:28:56.448	10690	85			5428.	RRCSM	UMTS FDD	Downlink	9:28:58.324	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1867.	9:28:56.448	10690	85	-23.7		5429.	RRCSM	UMTS FDD	Downlink	9:28:58.344	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1868.	9:28:56.947	10690	85			5430.	RRCSM	UMTS FDD	Downlink	9:28:58.364	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1869.	9:28:56.947	10690	85	-19.1		5431.	RRCSM	UMTS FDD	Downlink	9:28:58.364	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
					1870.	9:28:57.353	10690	85			5432.	RRCSM	UMTS FDD	Downlink	9:28:58.384	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1871.	9:28:57.353	10690	85	-23		5433.	RRCSM	UMTS FDD	Downlink	9:28:58.384	BCCH	MASTER_INFORMATION_BLOCK
					1872.	9:28:58.055	10690	85			5434.	L3SM	GSM	Downlink	9:29:00.610	BCCH	SYSTEM_INFORMATION_TYPE_4
					1873.	9:28:58.055	10690	85	-23		5435.	L3SM	GSM	Downlink	9:29:00.809	BCCH	SYSTEM_INFORMATION_TYPE_3
					1874.	9:28:58.589	10690	85			5436.	RRCSM	UMTS FDD	Downlink	9:29:05.904	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1875.	9:28:58.589	10690	85	-23		5437.	RRCSM	UMTS FDD	Downlink	9:29:05.904	BCCH	MASTER_INFORMATION_BLOCK
					1876.	9:29:00.469	10690	85			5438.	RRCSM	UMTS FDD	Downlink	9:29:06.204	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1877.	9:29:00.469	10690	85	-23		5439.	RRCSM	UMTS FDD	Downlink	9:29:06.204	BCCH	SCHEDULING_BLOCK_1
					1878.	9:29:00.610	10690	85			5440.	RRCSM	UMTS FDD	Downlink	9:29:06.224	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1879.	9:29:00.610	10690	85	-23		5441.	RRCSM	UMTS FDD	Downlink	9:29:06.224	BCCH	MASTER_INFORMATION_BLOCK
					1880.	9:29:28.353	10690	85			5442.	RRCSM	UMTS FDD	Downlink	9:29:06.444	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1881.	9:29:28.353	10690	85	-15.8		5443.	RRCSM	UMTS FDD	Downlink	9:29:06.464	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1882.	9:29:29.392	10690	85			5444.	RRCSM	UMTS FDD	Downlink	9:29:06.464	BCCH	MASTER_INFORMATION_BLOCK
					1883.	9:29:29.392	10690	85	-13.6		5445.	L3SM	GSM	Downlink	9:29:08.853	BCCH	SYSTEM_INFORMATION_TYPE_3
					1884.	9:29:30.280	10690	85			5446.	RRCSM	UMTS FDD	Downlink	9:29:14.884	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1885.	9:29:30.280	10690	85	-17.4		5447.	RRCSM	UMTS FDD	Downlink	9:29:14.884	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					1886.	9:29:30.851	10690	85			5448.	RRCSM	UMTS FDD	Downlink	9:29:14.884	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					1887.	9:29:30.851	10690	85	-14.1		5449.	RRCSM	UMTS FDD	Downlink	9:29:14.904	BCCH_BCH	SYSTEM_INFORMATION_BCH

Analysis:

- This call failure event occurred on short call at 09:29:22:404 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 85 and RF condition RSCP -126.8 dBm and Ec/No -23 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 i		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	9:29:22.404	UMTS FDD	2100	Tim	1987.	9:30:04.352	10690	85	-8.9		5490.	RRCSM	UMTS FDD	Downlink	9:29:53.885	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
2.	9:30:08.558	UMTS FDD	2100	Dro	1988.	-115	9:30:04.891	10690	85		5491.	RRCSM	UMTS FDD	Downlink	9:29:54.179	CCCH	RRC_CONNECTION_SETUP
3.	9:30:49.714	UMTS FDD	2100	Dro	1989.	9:30:04.891	10690	85	-11.2		5492.	RRCSM	UMTS FDD	Uplink	9:29:54.238	DCCH	RRC_CONNECTION_SETUP_COMPLETE
4.	9:33:45.370	UMTS FDD	2100	Dro	1990.	-115.9	9:30:05.352	10690	85		5493.	RRCSM	UMTS FDD	Uplink	9:29:54.239	DCCH	INITIAL_DIRECT_TRANSFER
5.	9:34:46.156	UMTS FDD	2100	Tim	1991.	9:30:05.352	10690	85	-10.1		5494.	L3SM	UMTS FDD	Uplink	9:29:54.239	DCCH	CM_SERVICE_REQUEST
6.	9:41:42.804	UMTS FDD	2100	Dro	1992.	-116.5	9:30:05.892	10690	85		5495.	RRCSM	UMTS FDD	Downlink	9:29:55.151	DCCH	MEASUREMENT_CONTROL
7.	9:42:23.011	UMTS FDD	2100	Dro	1993.	9:30:05.892	10690	85	-10.7		5496.	RRCSM	UMTS FDD	Downlink	9:29:55.231	DCCH	SECURITY_MODE_COMMAND
8.	10:28:12.452	UMTS FDD	0	Tim	1994.	-114	9:30:06.443	10690	85		5497.	RRCSM	UMTS FDD	Uplink	9:29:55.232	DCCH	SECURITY_MODE_COMPLETE
9.	10:30:40.482	UMTS FDD	2100	Dro	1995.	9:30:06.443	10690	85	-9.3		5498.	RRCSM	UMTS FDD	Uplink	9:29:55.432	DCCH	UPLINK_DIRECT_TRANSFER
					1996.	-113.2	9:30:06.892	10690	85		5499.	L3SM	UMTS FDD	Uplink	9:29:55.432	DCCH	SETUP
					1997.	9:30:06.892	10690	85	-8.6		5500.	RRCSM	UMTS FDD	Downlink	9:29:55.551	DCCH	DOWNLINK_DIRECT_TRANSFER
					1998.	-117.3	9:30:07.471	10690	85		5501.	L3SM	UMTS FDD	Downlink	9:29:55.551	DCCH	TMSI_REALLOCATION_COMMAND
					1999.	9:30:07.471	10690	85	-11.6		5502.	RRCSM	UMTS FDD	Uplink	9:29:55.552	DCCH	UPLINK_DIRECT_TRANSFER
					2000.	-122.1	9:30:08.143	10690	85		5503.	L3SM	UMTS FDD	Uplink	9:29:55.552	DCCH	TMSI_REALLOCATION_COMPLETE
					2001.	9:30:08.143	10690	85	-16.3		5504.	RRCSM	UMTS FDD	Downlink	9:29:55.831	DCCH	DOWNLINK_DIRECT_TRANSFER
					2002.	-124.9	9:30:08.523	10690	85		5505.	L3SM	UMTS FDD	Downlink	9:29:55.831	DCCH	CALL_PROCEEDING
					2003.	9:30:08.523	10690	85	-20.2		5506.	RRCSM	UMTS FDD	Downlink	9:30:07.471	DCCH	RADIO_BEARER_SETUP
					2004.	-116.6	9:30:09.280	10690	85		5507.	RRCSM	UMTS FDD	Uplink	9:30:08.025	DCCH	RADIO_BEARER_SETUP_COMPLETE
					2005.	9:30:09.280	10690	85	-14.4		5508.	RRCSM	UMTS FDD	Downlink	9:30:08.271	DCCH	MEASUREMENT_CONTROL
					2006.	-122.4	9:30:09.516	10690	85		5509.	RRCSM	UMTS FDD	Downlink	9:30:08.312	DCCH	MEASUREMENT_CONTROL
					2007.	9:30:09.516	10690	85	-16.6		5510.	RRCSM	UMTS FDD	Downlink	9:30:08.351	DCCH	MEASUREMENT_CONTROL
					2008.	-116.3	9:30:10.350	10690	85		5511.	RRCSM	UMTS FDD	Downlink	9:30:08.391	DCCH	MEASUREMENT_CONTROL
					2009.	9:30:10.350	10690	85	-14		5512.	RRCSM	UMTS FDD	Downlink	9:30:08.471	DCCH	DOWNLINK_DIRECT_TRANSFER
					2010.	-116.5	9:30:10.851	10690	85		5513.	L3SM	UMTS FDD	Downlink	9:30:08.471	DCCH	DISCONNECT
					2011.	9:30:10.851	10690	85	-14.9		5514.	RRCSM	UMTS FDD	Uplink	9:30:08.558	DCCH	UPLINK_DIRECT_TRANSFER
					2012.	-108.1	9:30:11.351	10690	85		5515.	L3SM	UMTS FDD	Uplink	9:30:08.558	DCCH	RELEASE
					2013.	9:30:11.351	10690	85	-8.2		5516.	RRCSM	UMTS FDD	Uplink	9:30:08.644	DCCH	MEASUREMENT_REPORT
					2014.	-117.3	9:30:11.906	10690	85		5517.	RRCSM	UMTS FDD	Downlink	9:30:08.751	DCCH	PAGING_TYPE_2
					2015.	9:30:11.906	10690	85	-15.1		5518.	RRCSM	UMTS FDD	Uplink	9:30:08.752	DCCH	INITIAL_DIRECT_TRANSFER
					2016.	-110	9:30:12.358	10690	85		5519.	L3SM	UMTS FDD	Uplink	9:30:08.752	DCCH	SERVICE_REQUEST
					2017.	9:30:12.358	10690	85	-10.1		5520.	RRCSM	UMTS FDD	Downlink	9:30:08.831	DCCH	DOWNLINK_DIRECT_TRANSFER
					2018.	-104.8	9:30:12.991	10690	85		5521.	L3SM	UMTS FDD	Downlink	9:30:08.831	DCCH	RELEASE_COMPLETE
					2019.	9:30:12.991	10690	85	-5.5		5522.	RRCSM	UMTS FDD	Downlink	9:30:08.991	DCCH	RRC_CONNECTION_RELEASE
					2020.	-111.2	9:30:13.469	10690	85		5523.	RRCSM	UMTS FDD	Uplink	9:30:08.992	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					2021.	9:30:13.469	10690	85	-12.4		5524.	RRCSM	UMTS FDD	Uplink	9:30:09.032	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					2022.	-104.2	9:30:13.931	10690	85		5525.	RRCSM	UMTS FDD	Downlink	9:30:09.225	BCCH_BCH	SYSTEM_INFORMATION_BCH
					2023.	9:30:13.931	10690	85	-6		5526.	RRCSM	UMTS FDD	Downlink	9:30:09.245	BCCH_BCH	SYSTEM_INFORMATION_BCH

Analysis:

- This call failure event occurred on short call at 09:30:08:558 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 85 and RF condition RSCP -124.9 dBm and Ec/No -20.2 dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

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

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best i		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	9:29:22.404	UMTS FDD	2100	Tim	2124. -116.7	9:30:45.681	10690	85			5691.	RRCSM	UMTS FDD	Downlink	9:30:40.668	CCCH	RRC_CONNECTION_SETUP
2.	9:30:08.558	UMTS FDD	2100	Dro	2125. -116.7	9:30:45.681	10690	85	-14.4		5692.	RRCSM	UMTS FDD	Uplink	9:30:40.727	DCCH	RRC_CONNECTION_SETUP_COMPLETE
3.	9:30:49.714	UMTS FDD	2100	Dro	2126. -118	9:30:46.280	10690	85			5693.	RRCSM	UMTS FDD	Uplink	9:30:40.728	DCCH	INITIAL_DIRECT_TRANSFER
4.	9:33:45.370	UMTS FDD	2100	Dro	2127. -118.2	9:30:46.280	10690	85	-12.3		5694.	L3SM	UMTS FDD	Uplink	9:30:40.728	DCCH	CM_SERVICE_REQUEST
5.	9:34:46.156	UMTS FDD	2100	Tim	2128. -118.2	9:30:46.852	10690	85			5695.	RRCSM	UMTS FDD	Uplink	9:30:40.728	DCCH	INITIAL_DIRECT_TRANSFER
6.	9:41:42.804	UMTS FDD	2100	Dro	2129. -118.2	9:30:46.852	10690	85	-15.9		5696.	L3SM	UMTS FDD	Uplink	9:30:40.728	DCCH	ROUTING_AREA_UPDATE_REQUEST
7.	9:42:23.011	UMTS FDD	2100	Dro	2130. -117	9:30:47.350	10690	85			5697.	RRCSM	UMTS FDD	Downlink	9:30:41.030	DCCH	MEASUREMENT_CONTROL
8.	10:28:12.452	UMTS FDD	0	Tim	2131. -117	9:30:47.350	10690	85	-14.1		5698.	RRCSM	UMTS FDD	Downlink	9:30:41.050	DCCH	SECURITY_MODE_COMMAND
9.	10:30:40.482	UMTS FDD	2100	Dro	2132. -119.1	9:30:47.873	10690	85			5699.	RRCSM	UMTS FDD	Uplink	9:30:41.051	DCCH	SECURITY_MODE_COMPLETE
					2133. -119.1	9:30:47.873	10690	85	-13.4		5700.	RRCSM	UMTS FDD	Uplink	9:30:41.121	DCCH	UPLINK_DIRECT_TRANSFER
					2134. -119.1	9:30:48.284	10690	85			5701.	L3SM	UMTS FDD	Uplink	9:30:41.121	DCCH	SETUP
					2135. -116.8	9:30:48.284	10690	85	-16.8		5702.	RRCSM	UMTS FDD	Downlink	9:30:41.150	DCCH	DOWNLINK_DIRECT_TRANSFER
					2136. -111.3	9:30:48.872	10690	85			5703.	L3SM	UMTS FDD	Downlink	9:30:41.150	DCCH	TMSI_REALLOCATION_COMMAND
					2137. -11	9:30:48.872	10690	85	-11		5704.	RRCSM	UMTS FDD	Uplink	9:30:41.151	DCCH	UPLINK_DIRECT_TRANSFER
					2138. -114.4	9:30:49.640	10690	85			5705.	L3SM	UMTS FDD	Uplink	9:30:41.151	DCCH	TMSI_REALLOCATION_COMPLETE
					2139. -12.9	9:30:49.640	10690	85	-12.9		5706.	RRCSM	UMTS FDD	Downlink	9:30:41.290	DCCH	DOWNLINK_DIRECT_TRANSFER
					2140. -112.4	9:30:50.180	10690	85			5707.	L3SM	UMTS FDD	Downlink	9:30:41.290	DCCH	CALL_PROCEEDING
					2141. -10.9	9:30:50.180	10690	85	-10.9		5708.	RRCSM	UMTS FDD	Downlink	9:30:46.200	DCCH	DOWNLINK_DIRECT_TRANSFER
					2142. -113.6	9:30:50.722	10690	85			5709.	L3SM	UMTS FDD	Downlink	9:30:46.200	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
					2143. -9.9	9:30:50.722	10690	85	-9.9		5710.	RRCSM	UMTS FDD	Uplink	9:30:46.239	DCCH	UPLINK_DIRECT_TRANSFER
					2144. -115	9:30:51.207	10690	85			5711.	L3SM	UMTS FDD	Uplink	9:30:46.239	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
					2145. -13.5	9:30:51.207	10690	85	-13.5		5712.	RRCSM	UMTS FDD	Downlink	9:30:46.470	DCCH	SECURITY_MODE_COMMAND
					2146. -119	9:31:18.735	10690	85			5713.	RRCSM	UMTS FDD	Uplink	9:30:46.471	DCCH	SECURITY_MODE_COMPLETE
					2147. -15.4	9:31:18.735	10690	85	-15.4		5714.	RRCSM	UMTS FDD	Downlink	9:30:46.850	DCCH	DOWNLINK_DIRECT_TRANSFER
					2148. -120.2	9:31:18.931	10690	85			5715.	L3SM	UMTS FDD	Downlink	9:30:46.850	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					2149. -18	9:31:18.931	10690	85	-18		5716.	RRCSM	UMTS FDD	Uplink	9:30:46.853	DCCH	UPLINK_DIRECT_TRANSFER
					2150. -117.3	9:31:19.845	10690	85			5717.	L3SM	UMTS FDD	Uplink	9:30:46.853	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					2151. -14.4	9:31:19.845	10690	85	-14.4		5718.	RRCSM	UMTS FDD	Downlink	9:30:48.870	DCCH	RADIO_BEARER_SETUP
					2152. -119.3	9:31:20.349	10690	85			5719.	RRCSM	UMTS FDD	Uplink	9:30:49.143	DCCH	RADIO_BEARER_SETUP_COMPLETE
					2153. -15.6	9:31:20.349	10690	85	-15.6		5720.	RRCSM	UMTS FDD	Downlink	9:30:49.390	DCCH	MEASUREMENT_CONTROL
					2154. -120.4	9:31:20.503	10690	85			5721.	RRCSM	UMTS FDD	Downlink	9:30:49.430	DCCH	MEASUREMENT_CONTROL
					2155. -18.3	9:31:20.503	10690	85	-18.3		5722.	RRCSM	UMTS FDD	Downlink	9:30:49.470	DCCH	MEASUREMENT_CONTROL
					2156. -115	9:31:20.927	10690	85			5723.	RRCSM	UMTS FDD	Downlink	9:30:49.510	DCCH	MEASUREMENT_CONTROL
					2157. -14.2	9:31:20.927	10690	85	-14.2		5724.	RRCSM	UMTS FDD	Downlink	9:30:49.590	DCCH	DOWNLINK_DIRECT_TRANSFER
					2158. -119.1	9:31:21.427	10690	85			5725.	L3SM	UMTS FDD	Downlink	9:30:49.590	DCCH	DISCONNECT
					2159. -17	9:31:21.427	10690	85	-17		5726.	RRCSM	UMTS FDD	Uplink	9:30:49.714	DCCH	UPLINK_DIRECT_TRANSFER
					2160. -119.7	9:31:21.988	10690	85			5727.	L3SM	UMTS FDD	Uplink	9:30:49.714	DCCH	RELEASE

Analysis:

- This call failure event occurred on short call at 09:30:49:714 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 85 and RF condition RSCP -118.2 dBm and Ec/No -15.9 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 MS7 CWS MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best i		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	9:29:22.404	UMTS FDD	2100	Tim	2568. -125.7	9:33:39.944	10690	85			6183.	RRCSM	UMTS FDD	Uplink	9:33:32.302	DCCH	INITIAL_DIRECT_TRANSFER
2.	9:30:08.558	UMTS FDD	2100	Dro	2569.	9:33:39.944	10690	85	-22.1		6184.	L3SM	UMTS FDD	Uplink	9:33:32.302	DCCH	CM_SERVICE_REQUEST
3.	9:30:49.714	UMTS FDD	2100	Dro	2570. -125.3	9:33:40.486	10690	85			6185.	RRCSM	UMTS FDD	Downlink	9:33:33.195	DCCH	MEASUREMENT_CONTROL
4.	9:33:45.370	UMTS FDD	2100	Dro	2571.	9:33:40.486	10690	85	-21.7		6186.	RRCSM	UMTS FDD	Downlink	9:33:33.275	DCCH	SECURITY_MODE_COMMAND
5.	9:34:46.156	UMTS FDD	2100	Tim	2572. -129	9:33:41.281	10690	85			6187.	RRCSM	UMTS FDD	Uplink	9:33:33.276	DCCH	SECURITY_MODE_COMPLETE
6.	9:41:42.804	UMTS FDD	2100	Dro	2573. -125.2	9:33:41.281	10690	85	-25.2		6188.	RRCSM	UMTS FDD	Uplink	9:33:33.476	DCCH	UPLINK_DIRECT_TRANSFER
7.	9:42:23.011	UMTS FDD	2100	Dro	2574. -129.9	9:33:41.754	10690	85			6189.	L3SM	UMTS FDD	Uplink	9:33:33.476	DCCH	SETUP
8.	10:28:12.452	UMTS FDD	0	Tim	2575. -126	9:33:42.278	10690	85			6190.	RRCSM	UMTS FDD	Downlink	9:33:33.595	DCCH	DOWNLINK_DIRECT_TRANSFER
9.	10:30:40.482	UMTS FDD	2100	Dro	2576. -123.1	9:33:42.278	10690	85	-23.1		6191.	L3SM	UMTS FDD	Downlink	9:33:33.595	DCCH	TMSI_REALLOCATION_COMMAND
					2577. -129.6	9:33:42.754	10690	85			6192.	RRCSM	UMTS FDD	Uplink	9:33:33.596	DCCH	UPLINK_DIRECT_TRANSFER
					2578. -125.8	9:33:42.754	10690	85	-25.8		6193.	L3SM	UMTS FDD	Uplink	9:33:33.596	DCCH	TMSI_REALLOCATION_COMPLETE
					2579. -125.4	9:33:43.280	10690	85			6194.	RRCSM	UMTS FDD	Downlink	9:33:33.874	DCCH	DOWNLINK_DIRECT_TRANSFER
					2580. -21.6	9:33:43.280	10690	85	-21.6		6195.	L3SM	UMTS FDD	Downlink	9:33:33.874	DCCH	CALL_PROCEEDING
					2581. -125.2	9:33:43.665	10690	85			6196.	RRCSM	UMTS FDD	Downlink	9:33:35.714	DCCH	RADIO_BEARER_SETUP
					2582. -21.4	9:33:43.665	10690	85	-21.4		6197.	RRCSM	UMTS FDD	Uplink	9:33:36.307	DCCH	RADIO_BEARER_SETUP_COMPLETE
					2583. -121	9:33:44.356	10690	85			6198.	RRCSM	UMTS FDD	Downlink	9:33:36.554	DCCH	MEASUREMENT_CONTROL
					2584. -17.2	9:33:44.356	10690	85	-17.2		6199.	RRCSM	UMTS FDD	Downlink	9:33:36.594	DCCH	MEASUREMENT_CONTROL
					2585. -128.9	9:33:44.623	10690	85			6200.	RRCSM	UMTS FDD	Downlink	9:33:36.634	DCCH	MEASUREMENT_CONTROL
					2586. -25.2	9:33:44.623	10690	85	-25.2		6201.	RRCSM	UMTS FDD	Downlink	9:33:36.674	DCCH	MEASUREMENT_CONTROL
					2587. -129.1	9:33:45.485	10690	85			6202.	RRCSM	UMTS FDD	Uplink	9:33:36.887	DCCH	MEASUREMENT_REPORT
					2588. -25.4	9:33:45.485	10690	85	-25.4		6203.	RRCSM	UMTS FDD	Uplink	9:33:36.927	DCCH	MEASUREMENT_REPORT
					2589. -128.5	9:33:45.840	10690	85			6204.	RRCSM	UMTS FDD	Downlink	9:33:37.234	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					2590. -24.8	9:33:45.840	10690	85	-24.8		6205.	RRCSM	UMTS FDD	Uplink	9:33:37.987	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					2591. -128.5	9:33:46.429	10690	85			6206.	RRCSM	UMTS FDD	Downlink	9:33:38.554	DCCH	MEASUREMENT_CONTROL
					2592. -24.8	9:33:46.429	10690	85	-24.8		6207.	RRCSM	UMTS FDD	Uplink	9:33:39.556	DCCH	MEASUREMENT_REPORT
					2593. -128.5	9:33:47.044	10690	85			6208.	RRCSM	UMTS FDD	Uplink	9:33:40.556	DCCH	MEASUREMENT_REPORT
					2594. -24.8	9:33:47.044	10690	85	-24.8		6209.	RRCSM	UMTS FDD	Uplink	9:33:41.555	DCCH	MEASUREMENT_REPORT
					2595. -121.1	9:34:32.517	10690	85			6210.	RRCSM	UMTS FDD	Uplink	9:33:42.514	DCCH	MEASUREMENT_REPORT
					2596. -17.5	9:34:32.517	10690	85	-17.5		6211.	RRCSM	UMTS FDD	Uplink	9:33:42.555	DCCH	MEASUREMENT_REPORT
					2597. -124.3	9:34:32.725	10690	85			6212.	RRCSM	UMTS FDD	Uplink	9:33:43.555	DCCH	MEASUREMENT_REPORT
					2598. -18.6	9:34:32.725	10690	85	-18.6		6213.	RRCSM	UMTS FDD	Uplink	9:33:44.555	DCCH	MEASUREMENT_REPORT
					2599. -123.4	9:34:33.355	10690	85			6214.	RRCSM	UMTS FDD	Downlink	9:33:45.313	DCCH	DOWNLINK_DIRECT_TRANSFER
					2600. -17.7	9:34:33.355	10690	85	-17.7		6215.	L3SM	UMTS FDD	Downlink	9:33:45.313	DCCH	DISCONNECT
					2601. -124.5	9:34:33.916	10690	85			6216.	RRCSM	UMTS FDD	Uplink	9:33:45.357	DCCH	UPLINK_DIRECT_TRANSFER
					2602. -20.7	9:34:33.916	10690	85	-20.7		6217.	L3SM	UMTS FDD	Uplink	9:33:45.357	DCCH	RELEASE
					2603. -123.2	9:34:34.356	10690	85			6218.	RRCSM	UMTS FDD	Downlink	9:33:45.553	DCCH	DOWNLINK_DIRECT_TRANSFER
					2604. -20.3	9:34:34.356	10690	85	-20.3		6219.	L3SM	UMTS FDD	Downlink	9:33:45.553	DCCH	RELEASE_COMPLETE

Analysis:

- This call failure event occurred on short call at 09:33:43:370 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 85 and RF condition RSCP -128.9 dBm and Ec/No -25.2 dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

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

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best i		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	9:29:22.404	UMTS FDD	2100	Tim	2626.	9:34:40.286	10690	85	-17.4	6424.	RRC	UMTS FDD	Downlink	9:34:38.734	DCCH	DOWNLINK_DIRECT_TRANSFER
2.	9:30:08.558	UMTS FDD	2100	Dro	2627.	9:34:40.736	10690	85	-108.8	6425.	L3SM	UMTS FDD	Downlink	9:34:38.734	DCCH	MODIFY_PDP_CONTEXT_REQUEST
3.	9:30:49.714	UMTS FDD	2100	Dro	2628.	9:34:40.736	10690	85	-10.3	6426.	RRC	UMTS FDD	Uplink	9:34:38.736	DCCH	UPLINK_DIRECT_TRANSFER
4.	9:33:45.370	UMTS FDD	2100	Dro	2629.	9:34:41.356	10690	85	-111.7	6427.	L3SM	UMTS FDD	Uplink	9:34:38.736	DCCH	MODIFY_PDP_CONTEXT_ACCEPT
5.	9:34:46.156	UMTS FDD	2100	Tim	2630.	9:34:41.356	10690	85	-11.7	6428.	RRC	UMTS FDD	Uplink	9:34:39.761	DCCH	MEASUREMENT_REPORT
6.	9:41:42.804	UMTS FDD	2100	Dro	2631.	9:34:41.782	10690	85	-112.8	6429.	RRC	UMTS FDD	Uplink	9:34:39.777	DCCH	MEASUREMENT_REPORT
7.	9:42:23.011	UMTS FDD	2100	Dro	2632.	9:34:41.782	10690	85	-12.9	6430.	RRC	UMTS FDD	Uplink	9:34:39.936	DCCH	MEASUREMENT_REPORT
8.	10:28:12.452	UMTS FDD	0	Tim	2633.	9:34:42.387	10690	85	-105.5	6431.	RRC	UMTS FDD	Uplink	9:34:40.456	DCCH	MEASUREMENT_REPORT
9.	10:30:40.482	UMTS FDD	2100	Dro	2634.	9:34:42.387	10690	85	-7.8	6432.	RRC	UMTS FDD	Downlink	9:34:40.574	DCCH	RADIO_BEARER_RECONFIGURATION
					2635.	9:34:42.766	10690	85	-118.8	6433.	RRC	UMTS FDD	Uplink	9:34:41.056	DCCH	MEASUREMENT_REPORT
					2636.	9:34:42.766	10690	85	-13	6434.	RRC	UMTS FDD	Uplink	9:34:41.184	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					2637.	9:34:43.378	10690	85	-113	6435.	RRC	UMTS FDD	Downlink	9:34:41.334	DCCH	MEASUREMENT_CONTROL
					2638.	9:34:43.378	10690	85	-13	6436.	RRC	UMTS FDD	Uplink	9:34:41.976	DCCH	MEASUREMENT_REPORT
					2639.	9:34:43.786	10690	85	-107.8	6437.	RRC	UMTS FDD	Uplink	9:34:42.456	DCCH	MEASUREMENT_REPORT
					2640.	9:34:43.786	10690	85	-9.4	6438.	RRC	UMTS FDD	Uplink	9:34:43.286	DCCH	MEASUREMENT_REPORT
					2641.	9:34:44.489	10690	85	-110.8	6439.	RRC	UMTS FDD	Uplink	9:34:44.436	DCCH	MEASUREMENT_REPORT
					2642.	9:34:44.489	10690	85	-11	6440.	RRC	UMTS FDD	Uplink	9:34:44.456	DCCH	MEASUREMENT_REPORT
					2643.	9:34:44.998	10690	85	-109.4	6441.	RRC	UMTS FDD	Uplink	9:34:44.536	DCCH	MEASUREMENT_REPORT
					2644.	9:34:44.998	10690	85	-10.4	6442.	RRC	UMTS FDD	Uplink	9:34:45.266	DCCH	MEASUREMENT_REPORT
					2645.	9:34:45.600	10690	85	-110.5	6443.	RRC	UMTS FDD	Uplink	9:34:46.096	DCCH	MEASUREMENT_REPORT
					2646.	9:34:45.600	10690	85	-10.7	6444.	RRC	UMTS FDD	Uplink	9:34:46.456	DCCH	MEASUREMENT_REPORT
					2647.	9:34:46.156	10690	85	-111.7	6445.	RRC	UMTS FDD	Uplink	9:34:48.456	DCCH	MEASUREMENT_REPORT
					2648.	9:34:46.156	10690	85	-10.8	6446.	RRC	UMTS FDD	Uplink	9:34:48.983	DCCH	SIGNALLING_CONNECTION_RELEASE_INDICATION
					2649.	9:34:46.516	10690	85	-104.5	6447.	RRC	UMTS FDD	Downlink	9:34:49.134	DCCH	RRC_CONNECTION_RELEASE
					2650.	9:34:46.516	10690	85	-8.4	6448.	RRC	UMTS FDD	Uplink	9:34:49.135	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					2651.	9:34:47.236	10690	85	-105.5	6449.	RRC	UMTS FDD	Uplink	9:34:49.175	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					2652.	9:34:47.236	10690	85	-8.3	6450.	RRC	UMTS FDD	Downlink	9:34:49.370	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					2653.	9:34:47.656	10690	85	-107	6451.	RRC	UMTS FDD	Downlink	9:34:49.390	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					2654.	9:34:47.656	10690	85	-8.2	6452.	RRC	UMTS FDD	Downlink	9:34:49.410	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					2655.	9:34:48.287	10690	85	-114	6453.	RRC	UMTS FDD	Downlink	9:34:49.410	BCCH	MASTER_INFORMATION_BLOCK
					2656.	9:34:48.287	10690	85	-14.1	6454.	RRC	UMTS FDD	Downlink	9:34:49.410	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					2657.	9:34:48.716	10690	85	-112.1	6455.	RRC	UMTS FDD	Downlink	9:34:49.411	BCCH_BCH	MASTER_INFORMATION_BLOCK
					2658.	9:34:48.716	10690	85	-12.7	6456.	RRC	UMTS FDD	Downlink	9:34:49.411	BCCH_BCH	SCHEDULING_BLOCK_1
					2659.	9:34:49.280	10690	85	-114.2	6457.	RRC	UMTS FDD	Downlink	9:34:49.411	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
					2660.	9:34:49.280	10690	85	-9.5	6458.	RRC	UMTS FDD	Downlink	9:34:49.411	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					2661.	9:34:49.570	10690	85	-109.7	6459.	RRC	UMTS FDD	Downlink	9:34:49.411	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_5
					2662.	9:34:49.570	10690	85	-7.4	6460.	RRC	UMTS FDD	Downlink	9:34:49.411	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_11

Analysis:

- This call failure event occurred on short call at 09:34:46:156 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 85 and RF condition RSCP -111.7 dBm is poor and Ec/No -10.8 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 i		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	9:29:22.404	UMTS FDD	2100	Tim	3165. -72.3	9:41:38.279	10690	223		8147.	RRCSM	UMTS FDD	Downlink	9:41:29.621	CCCH	RRC_CONNECTION_SETUP
2.	9:30:08.558	UMTS FDD	2100	Dro	3166.	9:41:38.279	10690	223	-12.8	8148.	RRCSM	UMTS FDD	Uplink	9:41:29.679	DCCH	RRC_CONNECTION_SETUP_COMPLETE
3.	9:30:49.714	UMTS FDD	2100	Dro	3167. -78.4	9:41:38.633	10690	223		8149.	RRCSM	UMTS FDD	Uplink	9:41:29.680	DCCH	INITIAL_DIRECT_TRANSFER
4.	9:33:45.370	UMTS FDD	2100	Dro	3168.	9:41:38.633	10690	223	-12.4	8150.	L3SM	UMTS FDD	Uplink	9:41:29.680	DCCH	CM_SERVICE_REQUEST
5.	9:34:46.156	UMTS FDD	2100	Tim	3169. -79.6	9:41:39.133	10690	223		8151.	RRCSM	UMTS FDD	Uplink	9:41:29.680	DCCH	INITIAL_DIRECT_TRANSFER
6.	9:41:42.804	UMTS FDD	2100	Dro	3170.	9:41:39.133	10690	223	-12.8	8152.	L3SM	UMTS FDD	Uplink	9:41:29.680	DCCH	ROUTING_AREA_UPDATE_REQUEST
7.	9:42:23.011	UMTS FDD	2100	Dro	3171. -90.1	9:41:39.633	10690	223		8153.	RRCSM	UMTS FDD	Downlink	9:41:29.983	DCCH	MEASUREMENT_CONTROL
8.	10:28:12.452	UMTS FDD	0	Tim	3172.	9:41:39.633	10690	223	-5.9	8154.	RRCSM	UMTS FDD	Downlink	9:41:30.003	DCCH	SECURITY_MODE_COMMAND
9.	10:30:40.482	UMTS FDD	2100	Dro	3173. -86.5	9:41:40.133	10690	223		8155.	RRCSM	UMTS FDD	Uplink	9:41:30.003	DCCH	SECURITY_MODE_COMPLETE
					3174.	9:41:40.133	10690	223	-12.7	8156.	RRCSM	UMTS FDD	Uplink	9:41:30.073	DCCH	UPLINK_DIRECT_TRANSFER
					3175. -96.1	9:41:40.724	10690	223		8157.	L3SM	UMTS FDD	Uplink	9:41:30.073	DCCH	SETUP
					3176.	9:41:40.724	10690	223	-11.1	8158.	RRCSM	UMTS FDD	Downlink	9:41:30.103	DCCH	DOWNLINK_DIRECT_TRANSFER
					3177. -82.4	9:41:41.282	10690	223		8159.	L3SM	UMTS FDD	Downlink	9:41:30.103	DCCH	TMSI_REALLOCATION_COMMAND
					3178.	9:41:41.282	10690	223	-13	8160.	RRCSM	UMTS FDD	Uplink	9:41:30.103	DCCH	UPLINK_DIRECT_TRANSFER
					3179. -76.1	9:41:41.766	10690	223		8161.	L3SM	UMTS FDD	Uplink	9:41:30.103	DCCH	TMSI_REALLOCATION_COMPLETE
					3180.	9:41:41.766	10690	223	-12.6	8162.	RRCSM	UMTS FDD	Downlink	9:41:30.223	DCCH	DOWNLINK_DIRECT_TRANSFER
					3181. -83.2	9:41:42.507	10690	223		8163.	L3SM	UMTS FDD	Downlink	9:41:30.223	DCCH	CALL_PROCEEDING
					3182.	9:41:42.507	10690	223	-4.2	8164.	RRCSM	UMTS FDD	Downlink	9:41:35.033	DCCH	DOWNLINK_DIRECT_TRANSFER
					3183. -79.2	9:41:42.764	10690	223		8165.	L3SM	UMTS FDD	Downlink	9:41:35.033	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
					3184.	9:41:42.764	10690	223	-12.2	8166.	RRCSM	UMTS FDD	Uplink	9:41:35.071	DCCH	UPLINK_DIRECT_TRANSFER
					3185. -80.9	9:41:43.354	10690	223		8167.	L3SM	UMTS FDD	Uplink	9:41:35.071	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
					3186.	9:41:43.354	10690	223	-13.1	8168.	RRCSM	UMTS FDD	Downlink	9:41:35.333	DCCH	SECURITY_MODE_COMMAND
					3187. -81.6	9:41:43.974	10690	223		8169.	RRCSM	UMTS FDD	Uplink	9:41:35.333	DCCH	SECURITY_MODE_COMPLETE
					3188.	9:41:43.974	10690	223	-4	8170.	RRCSM	UMTS FDD	Downlink	9:41:35.783	DCCH	DOWNLINK_DIRECT_TRANSFER
					3189. -91.8	9:41:44.645	10690	223		8171.	L3SM	UMTS FDD	Downlink	9:41:35.783	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					3190.	9:41:44.645	10690	223	-6.7	8172.	RRCSM	UMTS FDD	Uplink	9:41:35.784	DCCH	UPLINK_DIRECT_TRANSFER
					3191. -83.7	9:41:50.458	10690	223		8173.	L3SM	UMTS FDD	Uplink	9:41:35.784	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					3192.	9:41:50.458	10690	223	-13.2	8174.	RRCSM	UMTS FDD	Downlink	9:41:41.993	DCCH	RADIO_BEARER_SETUP
					3193. -82.9	9:41:50.710	10690	223		8175.	RRCSM	UMTS FDD	Uplink	9:41:42.266	DCCH	RADIO_BEARER_SETUP_COMPLETE
					3194.	9:41:50.710	10690	223	-5.9	8176.	RRCSM	UMTS FDD	Downlink	9:41:42.512	DCCH	MEASUREMENT_CONTROL
					3195. -88.1	9:41:51.278	10690	223		8177.	RRCSM	UMTS FDD	Downlink	9:41:42.552	DCCH	MEASUREMENT_CONTROL
					3196.	9:41:51.278	10690	223	-3.2	8178.	RRCSM	UMTS FDD	Downlink	9:41:42.592	DCCH	MEASUREMENT_CONTROL
					3197. -86.4	9:41:51.839	10690	223		8179.	RRCSM	UMTS FDD	Downlink	9:41:42.632	DCCH	MEASUREMENT_CONTROL
					3198.	9:41:51.839	10690	223	-3.6	8180.	RRCSM	UMTS FDD	Downlink	9:41:42.712	DCCH	DOWNLINK_DIRECT_TRANSFER
					3199. -83.7	9:41:52.284	10690	223		8181.	L3SM	UMTS FDD	Downlink	9:41:42.712	DCCH	DISCONNECT
					3200.	9:41:52.284	10690	223	-4.2	8182.	RRCSM	UMTS FDD	Uplink	9:41:42.804	DCCH	UPLINK_DIRECT_TRANSFER
					3201. -86.5	9:41:53.355	10690	223		8183.	L3SM	UMTS FDD	Uplink	9:41:42.804	DCCH	RELEASE

Analysis:

- This call failure event occurred on short call at 09:41:42:804 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 223 and RF condition RSCP - 79.2 dBm and ECNO -12.2 dB are very good.
- Need to check MT End.

Phase-1 Call Attempt Failure Analysis 6 From MS8 CWS MT

	Time	Cell type	Band	Band (MHz)	Ch	PCI	RSRP	SNR		Event ID	System	Transf. dir.	Time	Subchannel	Message name
4244.	9:41:28.853	Serving	B20	800	6300	187	-109.6			7704.	L3SM	LTE FDD Uplink	9:40:59.764		MODIFY_EPS_BEARER_CONTEXT_ACCEPT
4245.	9:41:28.853							-1		7705.	RRCSM	LTE FDD Uplink	9:40:59.764	DCCH	ULInformationTransfer
4246.	9:41:30.442	Serving	B20	800	6300	187	-104.5			7706.	RRCSM	LTE FDD Downlink	9:41:00.166	BCCH-SCH	SystemInformationBlockType1
4247.	9:41:30.442							5.3		7707.	RRCSM	LTE FDD Uplink	9:41:00.382	DCCH	MeasurementReport
4248.	9:41:31.522	Serving	B20	800	6300	187	-111.3			7708.	RRCSM	LTE FDD Uplink	9:41:00.382	DCCH	MeasurementReport
4249.	9:41:31.522							1.5		7709.	RRCSM	LTE FDD Downlink	9:41:02.940	PCCH	Paging
4250.	9:41:32.664	Serving	B20	800	6300	187	-116.3			7710.	RRCSM	LTE FDD Downlink	9:41:04.220	PCCH	Paging
4251.	9:41:32.664							-6		7711.	RRCSM	LTE FDD Downlink	9:41:05.500	PCCH	Paging
4252.	9:41:34.519	Serving	B20	800	6300	187	-122.4			7712.	RRCSM	LTE FDD Downlink	9:41:06.780	PCCH	Paging
4253.	9:41:34.519							-9.7		7713.	RRCSM	LTE FDD Downlink	9:41:08.060	PCCH	Paging
4254.	9:41:35.298	Serving	B20	800	6300	187	-123			7714.	RRCSM	LTE FDD Downlink	9:41:10.620	PCCH	Paging
4255.	9:41:35.298							-13.5		7715.	RRCSM	LTE FDD Downlink	9:41:11.900	PCCH	Paging
4256.	9:41:36.759	Serving	B20	800	6300	187	-121.4			7716.	RRCSM	LTE FDD Downlink	9:41:13.180	PCCH	Paging
4257.	9:41:36.759							-12.3		7717.	RRCSM	LTE FDD Downlink	9:41:14.460	PCCH	Paging
4258.	9:41:38.359	Serving	B20	800	6300	187	-122.1			7718.	RRCSM	LTE FDD Downlink	9:41:15.740	PCCH	Paging
4259.	9:41:38.359							-7.2		7719.	RRCSM	LTE FDD Downlink	9:41:17.020	PCCH	Paging
4260.	9:41:39.357	Serving	B20	800	6300	187	-123.5			7720.	RRCSM	LTE FDD Downlink	9:41:18.300	PCCH	Paging
4261.	9:41:39.357							-7.1		7721.	RRCSM	LTE FDD Downlink	9:41:19.580	PCCH	Paging
4262.	9:41:40.359	Serving	B20	800	6300	187	-125.9			7722.	RRCSM	LTE FDD Downlink	9:41:19.580	DCCH	RRCCConnectionRelease
4263.	9:41:40.359							-7.5		7723.	RRCSM	LTE FDD Downlink	9:41:19.850	PCCH	Paging
4264.	9:41:41.618	Serving	B20	800	6300	187	-122.4			7724.	RRCSM	LTE FDD Downlink	9:41:23.691	PCCH	Paging
4265.	9:41:41.618							-12.8		7725.	RRCSM	LTE FDD Downlink	9:41:30.091	PCCH	Paging
4266.	9:41:42.892	Serving	B20	800	6300	187	-123.1			7726.	RRCSM	LTE FDD Downlink	9:42:52.110	BCCH-SCH	SystemInformationBlockType1
4267.	9:41:42.892							-10.1		7727.	RRCSM	LTE FDD Downlink	9:42:52.127	BCCH-SCH	SystemInformation - SIB2, SIB3
4268.	9:41:44.359	Serving	B20	800	6300	187	-124.9			7728.	RRCSM	LTE FDD Downlink	9:42:52.327	BCCH-SCH	SystemInformation - SIB5
4269.	9:41:44.359							-6		7729.	RRCSM	LTE FDD Downlink	9:42:53.250	BCCH-SCH	SystemInformationBlockType1
4270.	9:41:45.496	Serving	B20	800	6300	187	-124.6			7730.	RRCSM	LTE FDD Downlink	9:42:55.016	PCCH	Paging
4271.	9:41:45.496							-10.5		7731.	RRCSM	LTE FDD Downlink	9:42:56.296	PCCH	Paging
4272.	9:41:46.736	Serving	B20	800	6300	187	-124.9			7732.	L3SM	LTE FDD Uplink	9:42:56.296		SERVICE_REQUEST
4273.	9:41:46.736							-12.2		7733.	RRCSM	LTE FDD Uplink	9:42:56.297	CCCH	RRCCConnectionRequest
4274.	9:41:48.358	Serving	B20	800	6300	187	-125.2			7734.	RRCSM	LTE FDD Downlink	9:42:56.352	CCCH	RRCCConnectionSetup
4275.	9:41:48.358							-10.5		7735.	RRCSM	LTE FDD Uplink	9:42:56.357	DCCH	RRCCConnectionSetupComplete
4276.	9:41:49.512	Serving	B20	800	6300	187	-125			7736.	RRCSM	LTE FDD Downlink	9:42:56.378	DCCH	SecurityModeCommand
4277.	9:41:49.512							-9.3		7737.	RRCSM	LTE FDD Uplink	9:42:56.380	DCCH	SecurityModeComplete
4278.	9:41:50.576	Serving	B20	800	6300	187	-121.6			7738.	RRCSM	LTE FDD Downlink	9:42:56.380	DCCH	RRCCConnectionReconfiguration
4279.	9:41:50.576							-8.8		7739.	RRCSM	LTE FDD Uplink	9:42:56.385	DCCH	RRCCConnectionReconfigurationComplete
4280.	9:41:51.851	Serving	B20	800	6300	187	-123.5			7740.	RRCSM	LTE FDD Downlink	9:42:56.415	DCCH	UECapabilityEnquiry

Analysis:

- On MT End, During the setup fail, UE was latched with PCI 187 and RF condition RSRP -122.4 dBm and SINR -12.8 dB both are poors.
- As per the analysis call failure happened due to Poor coverage of the network.

Phase-1 Call Attempt Failure Analysis 7 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.	9:29:22.404	UMTS FDD	2100	Tim	3278.	9:42:17.762	10690	223	-13.3		8256.	RRC	Downlink	9:42:13.857	BCCH_BCH	SYSTEM_INFORMATION_BCH
2.	9:30:08.558	UMTS FDD	2100	Dro	3279.	9:42:18.491	10690	223	-102		8257.	RRC	Uplink	9:42:13.858	CCCH	RRC_CONNECTION_REQUEST
3.	9:30:49.714	UMTS FDD	2100	Dro	3280.	9:42:18.491	10690	223	-15.7		8258.	RRC	Downlink	9:42:13.877	BCCH_BCH	SYSTEM_INFORMATION_BCH
4.	9:33:45.370	UMTS FDD	2100	Dro	3281.	9:42:18.991	10690	223	-89.1		8259.	RRC	Downlink	9:42:13.981	CCCH	RRC_CONNECTION_SETUP
5.	9:34:46.156	UMTS FDD	2100	Tim	3282.	9:42:18.991	10690	223	-12.1		8260.	RRC	Uplink	9:42:14.036	DCCH	RRC_CONNECTION_SETUP_COMPLETE
6.	9:41:42.804	UMTS FDD	2100	Dro	3283.	9:42:19.491	10690	223	-90.3		8261.	RRC	Uplink	9:42:14.036	DCCH	INITIAL_DIRECT_TRANSFER
7.	9:42:23.011	UMTS FDD	2100	Dro	3284.	9:42:19.491	10690	223	-14.4		8262.	L3SM	Uplink	9:42:14.036	DCCH	CM_SERVICE_REQUEST
8.	10:28:12.452	UMTS FDD	0	Tim	3285.	9:42:19.991	10690	223	-95.1		8263.	RRC	Downlink	9:42:14.240	DCCH	MEASUREMENT_CONTROL
9.	10:30:40.482	UMTS FDD	2100	Dro	3286.	9:42:19.991	10690	223	-5.8		8264.	RRC	Downlink	9:42:14.270	DCCH	SECURITY_MODE_COMMAND
					3287.	9:42:20.491	10690	223	-96.3		8265.	RRC	Uplink	9:42:14.270	DCCH	SECURITY_MODE_COMPLETE
					3288.	9:42:20.491	10690	223	-14.7		8266.	RRC	Downlink	9:42:14.350	DCCH	DOWNLINK_DIRECT_TRANSFER
					3289.	9:42:20.991	10690	223	-101.6		8267.	L3SM	Downlink	9:42:14.350	DCCH	TMSI_REALLOCATION_COMMAND
					3290.	9:42:20.991	10690	223	-14.4		8268.	RRC	Uplink	9:42:14.352	DCCH	UPLINK_DIRECT_TRANSFER
					3291.	9:42:21.502	10690	223	-95.5		8269.	L3SM	Uplink	9:42:14.352	DCCH	TMSI_REALLOCATION_COMPLETE
					3292.	9:42:21.502	10690	223	-14		8270.	RRC	Uplink	9:42:14.352	DCCH	UPLINK_DIRECT_TRANSFER
					3293.	9:42:22.373	10690	223	-97.6		8271.	L3SM	Uplink	9:42:14.352	DCCH	SETUP
					3294.	9:42:22.373	10690	223	-13.4		8272.	RRC	Downlink	9:42:14.470	DCCH	DOWNLINK_DIRECT_TRANSFER
					3295.	9:42:22.491	10690	223	-99.2		8273.	L3SM	Downlink	9:42:14.470	DCCH	CALL_PROCEEDING
					3296.	9:42:22.491	10690	223	-16		8274.	RRC	Downlink	9:42:21.950	DCCH	RADIO_BEARER_SETUP
					3297.	9:42:23.202	10690	223	-99.4		8275.	RRC	Uplink	9:42:22.273	DCCH	RADIO_BEARER_SETUP_COMPLETE
					3298.	9:42:23.202	10690	223	-14		8276.	RRC	Downlink	9:42:22.520	DCCH	MEASUREMENT_CONTROL
					3299.	9:42:23.594	10690	223	-101.9		8277.	RRC	Downlink	9:42:22.560	DCCH	MEASUREMENT_CONTROL
					3300.	9:42:23.594	10690	223	-16.1		8278.	RRC	Downlink	9:42:22.600	DCCH	MEASUREMENT_CONTROL
					3301.	9:42:23.601	10690	223	-99.2		8279.	RRC	Downlink	9:42:22.640	DCCH	MEASUREMENT_CONTROL
					3302.	9:42:23.601	10690	223	-16.6		8280.	RRC	Downlink	9:42:22.720	DCCH	DOWNLINK_DIRECT_TRANSFER
					3303.	9:42:24.760	10690	223	-98.8		8281.	L3SM	Downlink	9:42:22.720	DCCH	DISCONNECT
					3304.	9:42:24.760	10690	223	-13.7		8282.	RRC	Uplink	9:42:23.011	DCCH	UPLINK_DIRECT_TRANSFER
					3305.	9:42:25.290	10690	223	-99.2		8283.	L3SM	Uplink	9:42:23.011	DCCH	RELEASE
					3306.	9:42:25.290	10690	223	-14.8		8284.	RRC	Downlink	9:42:23.200	DCCH	DOWNLINK_DIRECT_TRANSFER
					3307.	9:42:25.839	10690	223	-109.7		8285.	L3SM	Downlink	9:42:23.200	DCCH	RELEASE_COMPLETE
					3308.	9:42:25.839	10690	223	-19.6		8286.	RRC	Downlink	9:42:23.360	DCCH	RRC_CONNECTION_RELEASE
					3309.	9:42:26.354	10690	223	-105.3		8287.	RRC	Uplink	9:42:23.360	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					3310.	9:42:26.354	10690	223	-16.4		8288.	RRC	Uplink	9:42:23.400	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					3311.	9:42:26.685	10690	223	-104		8289.	RRC	Downlink	9:42:23.577	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3312.	9:42:26.685	10690	223	-16.3		8290.	RRC	Downlink	9:42:23.577	BCCH	MASTER_INFORMATION_BLOCK
					3313.	9:42:27.608	10690	223	-106.2		8291.	RRC	Downlink	9:42:23.577	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					3314.	9:42:27.608	10690	223	-17.5		8292.	RRC	Downlink	9:42:23.578	BCCH_BCH	MASTER_INFORMATION_BLOCK

Analysis:

- This call failure event occurred on short call at 09:42:23:01 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 223 and RF condition RSCP -99.2 dBm is ok and Ec/No -16 dB was poor.
- As per the analysis call failed happened due to poor quality of the network.

Phase-1 Call Attempt Failure Analysis 8 From MS7 CWS MO

	Time	System	Serving band		Time	RxLev sub	ARFCN	BSIC	LAC	RXQ sub ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	9:29:22.404	UMTS FDD	2100	Tim	1165.	10:27:12.103				6		16115.	L3SM	GSM	Downlink	10:28:11.078	DCCH	MM_STATUS
2.	9:30:08.558	UMTS FDD	2100	Dro	1166.	10:27:12.666	-98	24	23	10		16116.	L3SM	GSM	Uplink	10:28:11.291	SACCH	MEASUREMENT_REPORT
3.	9:30:49.714	UMTS FDD	2100	Dro	1167.	10:27:12.666				7		16117.	L3SM	GSM	Downlink	10:28:11.313	DCCH	IDENTITY_REQUEST
4.	9:33:45.370	UMTS FDD	2100	Dro	1168.	10:27:13.520	-102	24	23	10		16118.	L3SM	GSM	Uplink	10:28:11.313	DCCH	IDENTITY_RESPONSE
5.	9:34:46.156	UMTS FDD	2100	Tim	1169.	10:27:14.431						16119.	L3SM	GSM	Downlink	10:28:11.461	SACCH	MEASUREMENT_INFORMATION
6.	9:41:42.804	UMTS FDD	2100	Dro	1170.	10:27:14.656	-102	24	23	10		16120.	L3SM	GSM	Downlink	10:28:11.549	DCCH	CIPHERING_MODE_COMMAND
7.	9:42:23.011	UMTS FDD	2100	Dro	1171.	10:27:17.867				10		16121.	L3SM	GSM	Uplink	10:28:11.553	DCCH	CIPHERING_MODE_COMPLETE
8.	10:28:12.452	UMTS FDD	0	Tim	1172.	10:27:18.369				10		16122.	L3SM	GSM	Uplink	10:28:11.761	SACCH	MEASUREMENT_REPORT
9.	10:30:40.482	UMTS FDD	2100	Dro	1173.	10:28:07.783	-87	17	16	1		16123.	L3SM	GSM	Downlink	10:28:11.784	DCCH	LOCATION_UPDATING_ACCEPT
					1174.	10:28:08.466	-88	17	16	1		16124.	L3SM	GSM	Uplink	10:28:11.785	DCCH	TMSI_REALLOCATION_COMPLETE
					1175.	10:28:08.936	-92	17	16			16125.	L3SM	GSM	Uplink	10:28:11.785	DCCH	CM_SERVICE_REQUEST
					1176.	10:28:09.408	-94	17	16			16126.	L3SM	GSM	Downlink	10:28:11.932	SACCH	MEASUREMENT_INFORMATION
					1177.	10:28:09.878	-85	17	16			16127.	L3SM	GSM	Uplink	10:28:12.232	SACCH	MEASUREMENT_REPORT
					1178.	10:28:10.351	-94	17	16			16128.	L3SM	GSM	Downlink	10:28:12.255	DCCH	CM_SERVICE_ACCEPT
					1179.	10:28:10.990	-89	17	16	1		16129.	L3SM	GSM	Uplink	10:28:12.255	DCCH	SETUP
					1180.	10:28:11.553	-94	17	16	1		16130.	L3SM	GSM	Downlink	10:28:12.402	SACCH	MEASUREMENT_INFORMATION
					1181.	10:28:11.932	-91	17	16	1		16131.	L3SM	GSM	Uplink	10:28:12.898	SACCH	MEASUREMENT_REPORT
					1182.	10:28:12.452	-92	17	16	1		16132.	L3SM	GSM	Downlink	10:28:12.898	DCCH	CALL_PROCEEDING
					1183.	10:28:13.273	-91	17	16	1		16133.	L3SM	GSM	Uplink	10:28:12.898	DCCH	DISCONNECT
					1184.	10:28:13.749	-91	17	16	1		16134.	L3SM	GSM	Downlink	10:28:12.898	SACCH	SYSTEM_INFORMATION_TYPE_5
					1185.	10:28:14.301				1		16135.	L3SM	GSM	Uplink	10:28:13.173	SACCH	MEASUREMENT_REPORT
					1186.	10:31:13.477				7		16136.	L3SM	GSM	Downlink	10:28:13.196	DCCH	RELEASE
					1187.	10:31:13.948	-94	5	23	1		16137.	L3SM	GSM	Uplink	10:28:13.197	DCCH	RELEASE_COMPLETE
					1188.	10:31:13.948				0		16138.	L3SM	GSM	Downlink	10:28:13.344	SACCH	SYSTEM_INFORMATION_TYPE_5TER
					1189.	10:31:14.418				4		16139.	L3SM	GSM	Downlink	10:28:13.432	DCCH	CHANNEL_RELEASE
					1190.	10:31:14.419	-96	5	23	1		16140.	RRCSM	LTE FDD	Downlink	10:28:13.807	BCCH-BCH	MasterInformationBlock
					1191.	10:31:14.889				7		16141.	RRCSM	LTE FDD	Downlink	10:28:13.871	BCCH-SCH	SystemInformationBlockType1
					1192.	10:31:15.360				3		16142.	RRCSM	LTE FDD	Downlink	10:28:13.871	BCCH-SCH	SystemInformation - SIB2,SIB3
					1193.	10:31:15.475	-93	5	23	1		16143.	RRCSM	LTE FDD	Downlink	10:28:13.871	BCCH-SCH	SystemInformation - SIB5
					1194.	10:31:15.831				6		16144.	L3SM	LTE FDD	Uplink	10:28:13.887		TRACKING_AREA_UPDATE_REQUEST
					1195.	10:31:15.946	-94	5	23	1		16145.	RRCSM	LTE FDD	Uplink	10:28:13.888	CCCH	RRConnectionRequest
					1196.	10:31:16.302				0		16146.	RRCSM	LTE FDD	Downlink	10:28:13.931	CCCH	RRConnectionSetup
					1197.	10:31:16.504	-93	5	23	1		16147.	RRCSM	LTE FDD	Uplink	10:28:13.936	DCCH	RRConnectionSetupComplete
					1198.	10:31:16.772				6		16148.	RRCSM	LTE FDD	Downlink	10:28:13.947	CCCH	RRConnectionSetup
					1199.	10:31:16.975	-94	5	23	1		16149.	RRCSM	LTE FDD	Downlink	10:28:14.152	DCCH	UECapabilityEnquiry
					1200.	10:31:17.243				2		16150.	RRCSM	LTE FDD	Uplink	10:28:14.154	DCCH	UECapabilityInformation

Analysis:

- This call failure event occurred on short call at 10:28:12:452 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 17 and RF condition Rx lev -91 dBm is poor and Rx qual 0 dB which is ok.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

Phase-1 Call Attempt Failure Analysis 9 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.	9:29:22.404	UMTS FDD	2100	Tim	5716.	10:30:36.060	10690	78	-8.6	16700.	RRCSM	UMTS FDD	Uplink	10:30:32.947	DCCH	MEASUREMENT_REPORT
2.	9:30:08.558	UMTS FDD	2100	Dro	5717.	10:30:36.758	10690	77		16701.	RRCSM	UMTS FDD	Downlink	10:30:33.055	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
3.	9:30:49.714	UMTS FDD	2100	Dro	5718.	10:30:36.758	10690	77	-8.1	16702.	RRCSM	UMTS FDD	Uplink	10:30:33.389	DCCH	MEASUREMENT_REPORT
4.	9:33:45.370	UMTS FDD	2100	Dro	5719.	10:30:37.139	10690	77		16703.	RRCSM	UMTS FDD	Uplink	10:30:33.428	DCCH	MEASUREMENT_REPORT
5.	9:34:46.156	UMTS FDD	2100	Tim	5720.	10:30:37.139	10690	77	-13.4	16704.	RRCSM	UMTS FDD	Uplink	10:30:33.827	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
6.	9:41:42.804	UMTS FDD	2100	Dro	5721.	10:30:37.647	10690	77		16705.	RRCSM	UMTS FDD	Downlink	10:30:34.055	DCCH	MEASUREMENT_CONTROL
7.	9:42:23.011	UMTS FDD	2100	Dro	5722.	10:30:37.647	10690	77	-8.1	16706.	RRCSM	UMTS FDD	Downlink	10:30:34.095	DCCH	MEASUREMENT_CONTROL
8.	10:28:12.452	UMTS FDD	0	Tim	5723.	10:30:38.279	10690	77		16707.	RRCSM	UMTS FDD	Uplink	10:30:34.097	DCCH	MEASUREMENT_REPORT
9.	10:30:40.482	UMTS FDD	2100	Dro	5724.	10:30:38.279	10690	78	-10.4	16708.	RRCSM	UMTS FDD	Downlink	10:30:34.135	DCCH	MEASUREMENT_CONTROL
					5725.	10:30:38.658	10690	77		16709.	RRCSM	UMTS FDD	Downlink	10:30:34.895	DCCH	RADIO_BEARER_RECONFIGURATION
					5726.	10:30:38.658	10690	77	-13	16710.	RRCSM	UMTS FDD	Uplink	10:30:35.378	DCCH	MEASUREMENT_REPORT
					5727.	10:30:39.299	10690	78		16711.	RRCSM	UMTS FDD	Uplink	10:30:35.418	DCCH	MEASUREMENT_REPORT
					5728.	10:30:39.299	10690	78	-9.8	16712.	RRCSM	UMTS FDD	Uplink	10:30:35.667	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					5729.	10:30:39.660	10690	77		16713.	RRCSM	UMTS FDD	Downlink	10:30:35.815	DCCH	MEASUREMENT_CONTROL
					5730.	10:30:39.660	10690	77	-9.9	16714.	RRCSM	UMTS FDD	Uplink	10:30:36.097	DCCH	MEASUREMENT_REPORT
					5731.	10:30:40.389	10690	78		16715.	RRCSM	UMTS FDD	Uplink	10:30:38.077	DCCH	MEASUREMENT_REPORT
					5732.	10:30:40.389	10690	78	-12.6	16716.	RRCSM	UMTS FDD	Uplink	10:30:38.097	DCCH	MEASUREMENT_REPORT
					5733.	10:30:40.904	10690	77		16717.	RRCSM	UMTS FDD	Uplink	10:30:39.327	DCCH	MEASUREMENT_REPORT
					5734.	10:30:40.904	10690	77	-13.3	16718.	RRCSM	UMTS FDD	Downlink	10:30:39.415	DCCH	RADIO_BEARER_SETUP
					5735.	10:30:41.351	10690	77		16719.	RRCSM	UMTS FDD	Uplink	10:30:39.987	DCCH	RADIO_BEARER_SETUP_COMPLETE
					5736.	10:30:41.351	10690	77	-11.9	16720.	RRCSM	UMTS FDD	Uplink	10:30:40.097	DCCH	MEASUREMENT_REPORT
					5737.	10:30:41.863	10690	77		16721.	RRCSM	UMTS FDD	Downlink	10:30:40.216	DCCH	MEASUREMENT_CONTROL
					5738.	10:30:41.863	10690	77	-15.4	16722.	RRCSM	UMTS FDD	Downlink	10:30:40.256	DCCH	MEASUREMENT_CONTROL
					5739.	10:33:02.332	10690	77		16723.	RRCSM	UMTS FDD	Downlink	10:30:40.296	DCCH	MEASUREMENT_CONTROL
					5740.	10:33:02.332	10690	77	-6.4	16724.	RRCSM	UMTS FDD	Downlink	10:30:40.296	DCCH	MEASUREMENT_CONTROL
					5741.	10:33:02.643	10690	77		16725.	RRCSM	UMTS FDD	Downlink	10:30:40.376	DCCH	DOWNLINK_DIRECT_TRANSFER
					5742.	10:33:02.643	10690	77	-5.5	16726.	L3SM	UMTS FDD	Downlink	10:30:40.376	DCCH	DISCONNECT
					5743.	10:33:03.349	10690	77		16727.	RRCSM	UMTS FDD	Uplink	10:30:40.430	DCCH	UPLINK_DIRECT_TRANSFER
					5744.	10:33:03.349	10690	77	-6.8	16728.	L3SM	UMTS FDD	Uplink	10:30:40.430	DCCH	RELEASE
					5745.	10:33:03.913	10690	77		16729.	RRCSM	UMTS FDD	Uplink	10:30:40.558	DCCH	MEASUREMENT_REPORT
					5746.	10:33:03.913	10690	77	-7.9	16730.	RRCSM	UMTS FDD	Downlink	10:30:40.855	DCCH	RADIO_BEARER_RELEASE
					5747.	10:33:04.384	10690	77		16731.	RRCSM	UMTS FDD	Downlink	10:30:40.895	DCCH	DOWNLINK_DIRECT_TRANSFER
					5748.	10:33:04.384	10690	77	-7.3	16732.	L3SM	UMTS FDD	Downlink	10:30:40.895	DCCH	RELEASE_COMPLETE
					5749.	10:33:04.903	10690	77		16733.	RRCSM	UMTS FDD	Uplink	10:30:41.628	DCCH	RADIO_BEARER_RELEASE_COMPLETE
					5750.	10:33:04.903	10690	77	-6.5	16734.	RRCSM	UMTS FDD	Downlink	10:30:41.815	DCCH	RRC_CONNECTION_RELEASE
					5751.	10:33:05.348	10690	77		16735.	RRCSM	UMTS FDD	Uplink	10:30:41.816	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					5752.	10:33:05.348	10690	77	-6	16736.	RRCSM	UMTS FDD	Uplink	10:30:41.856	DCCH	RRC_CONNECTION_RELEASE_COMPLETE

Analysis:

- This call failure event occurred on short call at 10:30:40:482 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 78 and RF condition RSCP -107.4 dBm is poor and Ec/No -12.6 dB was ok.
- 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	
1.	9:39:28.552	GSM	900	Voice	1460.	9:39:19.806						4		5214.	L3SM	GSM	Uplink	9:39:22.206	SACCH	MEASUREMENT_REPORT
					1461.	9:39:19.893	-91	109	25	50000	4			5215.	L3SM	GSM	Downlink	9:39:22.639	SACCH	SYSTEM_INFORMATION_TYPE_6
					1462.	9:39:20.356	-93	109	25	50000	4			5216.	L3SM	GSM	Uplink	9:39:22.685	SACCH	MEASUREMENT_REPORT
					1463.	9:39:20.848	-92	109	25	50000	4			5217.	L3SM	GSM	Downlink	9:39:23.119	SACCH	SYSTEM_INFORMATION_TYPE_5
					1464.	9:39:21.246						6		5218.	L3SM	GSM	Uplink	9:39:23.166	SACCH	MEASUREMENT_REPORT
					1465.	9:39:21.355	-93	109	25	50000	4			5219.	L3SM	GSM	Downlink	9:39:23.599	SACCH	MEASUREMENT_INFORMATION
					1466.	9:39:21.725						7		5220.	L3SM	GSM	Uplink	9:39:23.646	SACCH	MEASUREMENT_REPORT
					1467.	9:39:22.206						2		5221.	L3SM	GSM	Downlink	9:39:24.079	SACCH	SYSTEM_INFORMATION_TYPE_6
					1468.	9:39:22.233	-93	109	25	50000	4			5222.	L3SM	GSM	Uplink	9:39:24.126	SACCH	MEASUREMENT_REPORT
					1469.	9:39:22.685						7		5223.	L3SM	GSM	Downlink	9:39:24.559	SACCH	SYSTEM_INFORMATION_TYPE_5
					1470.	9:39:23.166						6		5224.	L3SM	GSM	Uplink	9:39:24.606	SACCH	MEASUREMENT_REPORT
					1471.	9:39:23.230	-94	109	25	50000	4			5225.	L3SM	GSM	Downlink	9:39:25.039	SACCH	MEASUREMENT_INFORMATION
					1472.	9:39:24.126						4		5226.	L3SM	GSM	Uplink	9:39:25.086	SACCH	MEASUREMENT_REPORT
					1473.	9:39:24.210	-92	109	25	50000	4			5227.	L3SM	GSM	Downlink	9:39:25.519	SACCH	SYSTEM_INFORMATION_TYPE_6
					1474.	9:39:24.606						5		5228.	L3SM	GSM	Uplink	9:39:25.565	SACCH	MEASUREMENT_REPORT
					1475.	9:39:24.693	-92	109	25	50000	4			5229.	L3SM	GSM	Downlink	9:39:25.999	SACCH	SYSTEM_INFORMATION_TYPE_5
					1476.	9:39:25.086	-90	109	25	50000	4			5230.	L3SM	GSM	Uplink	9:39:26.046	SACCH	MEASUREMENT_REPORT
					1477.	9:39:25.086						4		5231.	L3SM	GSM	Downlink	9:39:26.479	SACCH	MEASUREMENT_INFORMATION
					1478.	9:39:25.612	-93	109	25	50000	4			5232.	L3SM	GSM	Uplink	9:39:26.526	SACCH	MEASUREMENT_REPORT
					1479.	9:39:26.046						2		5233.	L3SM	GSM	Downlink	9:39:26.959	SACCH	SYSTEM_INFORMATION_TYPE_6
					1480.	9:39:26.392	-91	109	25	50000	4			5234.	L3SM	GSM	Uplink	9:39:27.005	SACCH	MEASUREMENT_REPORT
					1481.	9:39:26.526						5		5235.	L3SM	GSM	Downlink	9:39:27.439	SACCH	SYSTEM_INFORMATION_TYPE_5
					1482.	9:39:26.968	-95	109	25	50000	4			5236.	L3SM	GSM	Uplink	9:39:27.485	SACCH	MEASUREMENT_REPORT
					1483.	9:39:27.005						4		5237.	L3SM	GSM	Downlink	9:39:27.919	SACCH	MEASUREMENT_INFORMATION
					1484.	9:39:27.354	-94	109	25	50000	4			5238.	L3SM	GSM	Uplink	9:39:27.965	SACCH	MEASUREMENT_REPORT
					1485.	9:39:27.485						5		5239.	L3SM	GSM	Downlink	9:39:28.399	SACCH	SYSTEM_INFORMATION_TYPE_6
					1486.	9:39:27.965						6		5240.	L3SM	GSM	Uplink	9:39:28.445	SACCH	MEASUREMENT_REPORT
					1487.	9:39:27.970	-94	109	25	50000	4			5241.	L3SM	GSM	Downlink	9:39:28.552	DCCH	DISCONNECT
					1488.	9:39:28.445						3		5242.	L3SM	GSM	Uplink	9:39:28.552	DCCH	RELEASE
					1489.	9:39:28.787	-91	109	25	50000	4			5243.	L3SM	GSM	Downlink	9:39:28.672	DCCH	RELEASE_COMPLETE
					1490.	9:39:29.279								5244.	L3SM	GSM	Downlink	9:39:28.792	DCCH	CHANNEL_RELEASE
					1491.	9:39:32.932				50000	4			5245.	L3SM	GSM	Downlink	9:39:31.647	BCCH	SYSTEM_INFORMATION_TYPE_3
					1492.	9:39:35.447	-89	109	25	50000	1			5246.	L3SM	GSM	Downlink	9:39:31.759	CCCH	PAGING_REQUEST_TYPE_1
					1493.	9:39:35.447						7		5247.	L3SM	GSM	Downlink	9:39:32.350	BCCH	SYSTEM_INFORMATION_TYPE_2
					1494.	9:39:35.917	-88	90	25	50000	1			5248.	L3SM	GSM	Downlink	9:39:32.369	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
					1495.	9:39:35.917						0		5249.	L3SM	GSM	Downlink	9:39:32.821	BCCH	SYSTEM_INFORMATION_TYPE_4
					1496.	9:39:36.388						0		5250.	L3SM	GSM	Downlink	9:39:33.292	BCCH	SYSTEM_INFORMATION_TYPE_2

Analysis:

- This call drop event occurred on long call at 09:39:28:552 time when UE was latched with 2G network.
- After getting Alerting message at 09:37:52:263 time than Call drop happened.
- During the session UE was latched with ARFCN 109 and RF condition Rx Level -95 dBm is poor and Rx Qual 5 dB which is ok.
- 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 band	Call type	1. best active RSCP	Time	Ch	SC	1. best ▲	Event ID	System	Transf. dir.	Time	Subchannel	Message name ▲
1.	9:33:33.264	UMTS FDD	2100	Voice call	3177. -119.4	9:33:27.531	10690	85		3716. RRCSM	UMTS FDD	Uplink	9:32:50.965	DCCH	MEASUREMENT_REPORT
					3178. -123.7	9:33:27.531	10690	85	-15.7	3717. RRCSM	UMTS FDD	Uplink	9:32:54.416	DCCH	MEASUREMENT_REPORT
					3179. -123.7	9:33:28.183	10690	85		3718. RRCSM	UMTS FDD	Uplink	9:32:57.173	DCCH	MEASUREMENT_REPORT
					3180. -122.4	9:33:28.183	10690	85	-20	3719. RRCSM	UMTS FDD	Uplink	9:32:58.246	DCCH	MEASUREMENT_REPORT
					3181. -122.4	9:33:28.690	10690	85		3720. RRCSM	UMTS FDD	Uplink	9:33:02.184	DCCH	MEASUREMENT_REPORT
					3182. -119.2	9:33:28.690	10690	85	-16.7	3721. RRCSM	UMTS FDD	Uplink	9:33:02.763	DCCH	MEASUREMENT_REPORT
					3183. -122.3	9:33:29.163	10690	85		3722. RRCSM	UMTS FDD	Uplink	9:33:02.983	DCCH	MEASUREMENT_REPORT
					3184. -122.3	9:33:29.163	10690	85	-14.6	3723. RRCSM	UMTS FDD	Uplink	9:33:08.983	DCCH	MEASUREMENT_REPORT
					3185. -117.3	9:33:29.623	10690	85		3724. RRCSM	UMTS FDD	Downlink	9:33:13.761	DCCH	RADIO_BEARER_RECONFIGURATION
					3186. -117.3	9:33:29.623	10690	85	-18.5	3725. RRCSM	UMTS FDD	Uplink	9:33:14.594	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					3187. -118.9	9:33:30.223	10690	85		3726. RRCSM	UMTS FDD	Uplink	9:33:14.762	DCCH	MEASUREMENT_REPORT
					3188. -118.9	9:33:30.223	10690	85	-13.6	3727. RRCSM	UMTS FDD	Uplink	9:33:14.992	DCCH	MEASUREMENT_REPORT
					3189. -118.9	9:33:30.790	10690	85		3728. RRCSM	UMTS FDD	Uplink	9:33:20.992	DCCH	MEASUREMENT_REPORT
					3190. -118.9	9:33:30.790	10690	85	-16.8	3729. RRCSM	UMTS FDD	Uplink	9:33:26.762	DCCH	MEASUREMENT_REPORT
					3191. -125	9:33:30.801	10690	85		3730. RRCSM	UMTS FDD	Uplink	9:33:27.002	DCCH	MEASUREMENT_REPORT
					3192. -125	9:33:30.801	10690	85	-16.8	3731. RRCSM	UMTS FDD	Uplink	9:33:28.232	DCCH	MEASUREMENT_REPORT
					3193. -127.8	9:33:31.363	10690	85		3732. RRCSM	UMTS FDD	Downlink	9:33:28.800	DCCH	MEASUREMENT_CONTROL
					3194. -127.8	9:33:31.363	10690	85	-20.3	3733. RRCSM	UMTS FDD	Uplink	9:33:29.801	DCCH	MEASUREMENT_REPORT
					3195. -127.8	9:33:31.602	10690	85		3734. RRCSM	UMTS FDD	Uplink	9:33:30.801	DCCH	MEASUREMENT_REPORT
					3196. -127.8	9:33:31.602	10690	85	-20.3	3735. RRCSM	UMTS FDD	Uplink	9:33:31.602	DCCH	MEASUREMENT_REPORT
					3197. -127.8	9:33:31.763	10690	85		3736. RRCSM	UMTS FDD	Uplink	9:33:31.801	DCCH	MEASUREMENT_REPORT
					3198. -127.8	9:33:31.763	10690	85	-23.1	3737. RRCSM	UMTS FDD	Downlink	9:33:32.720	DCCH	HANDOVER_FROM_UTRAN_COMMAND_GSM
					3199. -127.8	9:33:31.801	10690	85		3738. L3SM	UMTS FDD	Downlink	9:33:32.720	DCCH	HANDOVER_COMMAND
					3200. -128.5	9:33:31.801	10690	85	-23.1	3739. L3SM	GSM	Downlink	9:33:32.738	DCCH	HANDOVER_COMMAND
					3201. -131.4	9:33:32.357	10690	85		3740. RRCSM	UMTS FDD	Downlink	9:33:33.869	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3202. -131.4	9:33:32.357	10690	85	-24.7	3741. RRCSM	UMTS FDD	Downlink	9:33:33.889	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3203. -131.4	9:33:33.114	10690	85		3742. RRCSM	UMTS FDD	Downlink	9:33:33.889	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
					3204. -131.4	9:33:33.114	10690	85	-25.8	3743. RRCSM	UMTS FDD	Downlink	9:33:33.909	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3205. -131.4	9:33:33.291	10690	85		3744. RRCSM	UMTS FDD	Downlink	9:33:33.909	BCCH	MASTER_INFORMATION_BLOCK
					3206. -97.9	9:33:33.291	10690	85	-25.8	3745. RRCSM	UMTS FDD	Downlink	9:33:33.929	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3207. -99.9	9:33:33.912	1563	37		3746. RRCSM	UMTS FDD	Downlink	9:33:33.929	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					3208. -99.9	9:33:33.912	1563	37	-5.8	3747. RRCSM	UMTS FDD	Downlink	9:33:33.929	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					3209. -99.9	9:33:34.359	1563	37		3748. RRCSM	UMTS FDD	Downlink	9:33:33.949	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3210. -99.9	9:33:34.359	1563	37	-5.4	3749. RRCSM	UMTS FDD	Downlink	9:33:33.969	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3211. -107	9:33:35.369	1563	37		3750. RRCSM	UMTS FDD	Downlink	9:33:33.989	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3212. -107	9:33:35.369	1563	37	-5.4	3751. RRCSM	UMTS FDD	Downlink	9:33:33.989	BCCH	MASTER_INFORMATION_BLOCK
					3213. -107	9:33:36.988	1537	37		3752. RRCSM	UMTS FDD	Downlink	9:33:34.009	BCCH_BCH	SYSTEM_INFORMATION_BCH

Analysis:

- This call drop event occurred on long call at 09:33:33:264 time when UE was latched with 3G network.
- After getting Alerting message at 09:31:49:314 time than Call drop happened.
- During the session UE was latched with PSC 85 and RF condition -RSCP -131.4 dBm and Ec/No -25.8 dB both are poor.
- As per the analysis call drop 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	1
Poor Coverage	1

Call Attempt Failure cause from CWS	Count
Total Call Attempt Failure	11
Poor Coverage	11

Call Drop cause from Airtel	Count
Total Call Drop	4
Poor Coverage	2
Network End	2

Call Drop cause from CWS	Count
Total Call Drop	1
Poor Coverage	1

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

	Time	System	Serving band	Call fail	1. best active RSCP	Time	Ch	SC	1. best ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	13:42:25.458	GSM	900	Dropped	1045.		13:42:17.966	3050	307	-18.4	3090.	RRCSM	UMTS FDD	Downlink	13:42:24.286	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					1046.	-103.4	13:42:18.446	3050	43		3091.	RRCSM	UMTS FDD	Downlink	13:42:24.306	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					1047.		13:42:18.446	3050	43	-21	3092.	RRCSM	UMTS FDD	Downlink	13:42:24.306	BCCH	MASTER_INFORMATION_BLOCK
					1048.	-105	13:42:19.014	3050	43		3093.	RRCSM	UMTS FDD	Downlink	13:42:24.326	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					1049.		13:42:19.014	3050	43	-22.8	3094.	RRCSM	UMTS FDD	Downlink	13:42:24.346	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					1050.	-104.5	13:42:19.463	3050	307		3095.	RRCSM	UMTS FDD	Downlink	13:42:24.366	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					1051.		13:42:19.463	3050	307	-22.3	3096.	RRCSM	UMTS FDD	Downlink	13:42:24.586	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					1052.	-105.3	13:42:20.011	3050	43		3097.	RRCSM	UMTS FDD	Downlink	13:42:24.606	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					1053.		13:42:20.011	3050	43	-23.3	3098.	RRCSM	UMTS FDD	Downlink	13:42:24.626	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					1054.	-96.3	13:42:20.773	3050	43		3099.	RRCSM	UMTS FDD	Downlink	13:42:24.626	BCCH	MASTER_INFORMATION_BLOCK
					1055.		13:42:20.773	3050	43	-19.7	3100.	RRCSM	UMTS FDD	Downlink	13:42:24.646	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					1056.	-93.6	13:42:21.010	3050	307		3101.	RRCSM	UMTS FDD	Downlink	13:42:24.666	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					1057.		13:42:21.010	3050	307	-23.1	3102.	RRCSM	UMTS FDD	Downlink	13:42:24.666	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_11
					1058.	-99.6	13:42:21.554	3050	43		3103.	RRCSM	UMTS FDD	Downlink	13:42:24.846	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					1059.		13:42:21.554	3050	43	-24	3104.	RRCSM	UMTS FDD	Downlink	13:42:24.846	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
					1060.	-99.6	13:42:22.122	3050	43		3105.	RRCSM	UMTS FDD	Downlink	13:42:25.246	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					1061.		13:42:22.122	3050	43	-24	3106.	RRCSM	UMTS FDD	Downlink	13:42:25.246	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_18
					1062.	-104.6	13:42:22.281	3050	43		3107.	RRCSM	UMTS FDD	Downlink	13:42:25.246	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_2
					1063.		13:42:22.281	3050	43	-19.3	3108.	RRCSM	UMTS FDD	Downlink	13:42:25.326	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					1064.	-107.7	13:42:22.467	3050	307		3109.	RRCSM	UMTS FDD	Downlink	13:42:25.326	BCCH	SCHEDULING_BLOCK_1
					1065.		13:42:22.467	3050	307	-25.1	3110.	RRCSM	UMTS FDD	Uplink	13:42:25.358	CCCH	CELL_UPDATE
					1066.	-107.7	13:42:23.011	3050	307		3111.	RRCSM	UMTS FDD	Downlink	13:42:25.366	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					1067.		13:42:23.011	3050	307	-25.1	3112.	RRCSM	UMTS FDD	Downlink	13:42:25.366	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					1068.	-107.7	13:42:23.608	3050	307		3113.	RRCSM	UMTS FDD	Downlink	13:42:25.366	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					1069.		13:42:23.608	3050	307	-25.1	3114.	RRCSM	UMTS FDD	Downlink	13:42:25.446	CCCH	RRC_CONNECTION_RELEASE_CCCH
					1070.	-124.7	13:42:25.459	10562	37		3115.	RRCSM	UMTS FDD	Downlink	13:42:25.586	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					1071.		13:42:25.459	10562	37	-20.1	3116.	RRCSM	UMTS FDD	Downlink	13:42:25.586	BCCH	MASTER_INFORMATION_BLOCK
					1072.	-126.8	13:42:25.941	10562	37		3117.	RRCSM	UMTS FDD	Downlink	13:42:25.587	BCCH_BCH	MASTER_INFORMATION_BLOCK
					1073.		13:42:25.941	10562	37	-24	3118.	RRCSM	UMTS FDD	Downlink	13:42:25.587	BCCH_BCH	SCHEDULING_BLOCK_1
					1074.	-123.4	13:42:26.395	10562	37		3119.	RRCSM	UMTS FDD	Downlink	13:42:25.587	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
					1075.		13:42:26.395	10562	37	-20.5	3120.	RRCSM	UMTS FDD	Downlink	13:42:25.587	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					1076.	-122.6	13:42:27.094	10562	37		3121.	RRCSM	UMTS FDD	Downlink	13:42:25.587	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_5
					1077.		13:42:27.094	10562	37	-19.8	3122.	RRCSM	UMTS FDD	Downlink	13:42:25.587	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_11
					1078.	-126	13:42:27.415	10562	37		3123.	RRCSM	UMTS FDD	Downlink	13:42:25.587	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
					1079.		13:42:27.415	10562	37	-22.4	3124.	RRCSM	UMTS FDD	Downlink	13:42:25.587	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_18
					1080.	-128.5	13:42:27.915	10562	37		3125.	RRCSM	UMTS FDD	Downlink	13:42:25.666	BCCH_BCH	SYSTEM_INFORMATION_BLOCK

Analysis:

- This call failure event occurred on short call at 13:42:25:458 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 307 and RF condition RSCP -107.7 dBm and Ec/No -25.1 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 1 From MS7 CWS MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ac ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name ▲
1.	13:57:12.575	UMTS FDD	2100	Dro	1807, -115.2	13:57:05.651	10690	76		5681.	RRCSM	UMTS FDD	Uplink	13:57:02.277	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
2.	13:57:59.198	UMTS FDD	2100	Call	1808.	13:57:05.651	10690	76	-14.3	5682.	RRCSM	UMTS FDD	Downlink	13:57:02.548	DCCH	MEASUREMENT_CONTROL
3.	14:01:27.108	GSM	900	Call	1809.	13:57:06.191	10690	85		5683.	RRCSM	UMTS FDD	Downlink	13:57:02.628	DCCH	ACTIVE_SET_UPDATE
4.	14:02:54.472	UMTS FDD	2100	Dro	1810.	13:57:06.191	10690	85	-14.8	5684.	RRCSM	UMTS FDD	Uplink	13:57:02.646	DCCH	ACTIVE_SET_UPDATE_COMPLETE
5.	14:03:40.366	UMTS FDD	2100	Dro	1811.	13:57:06.651	10690	85		5685.	RRCSM	UMTS FDD	Downlink	13:57:02.908	DCCH	MEASUREMENT_CONTROL
6.	14:11:50.044	UMTS FDD	2100	Dro	1812.	13:57:06.651	10690	85	-21.3	5686.	RRCSM	UMTS FDD	Uplink	13:57:03.190	DCCH	MEASUREMENT_REPORT
7.	14:12:31.022	UMTS FDD	2100	Dro	1813.	13:57:07.163	10690	76		5687.	RRCSM	UMTS FDD	Uplink	13:57:03.550	DCCH	MEASUREMENT_REPORT
8.	15:03:31.148	UMTS FDD	2100	Dro	1814.	13:57:07.163	10690	76	-17.7	5688.	RRCSM	UMTS FDD	Downlink	13:57:04.108	DCCH	RADIO_BEARER_RECONFIGURATION
9.	15:08:32.831	GSM	900	Dro	1815.	13:57:07.621	10690	85		5689.	RRCSM	UMTS FDD	Uplink	13:57:04.756	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
10.	15:28:30.257	UMTS FDD	2100	Dro	1816.	13:57:07.621	10690	85	-16	5690.	RRCSM	UMTS FDD	Uplink	13:57:05.530	DCCH	MEASUREMENT_REPORT
11.	15:30:02.228	UMTS FDD	2100	Dro	1817.	13:57:08.212	10690	85		5691.	RRCSM	UMTS FDD	Uplink	13:57:05.550	DCCH	MEASUREMENT_REPORT
					1818.	13:57:08.212	10690	85	-18.1	5692.	RRCSM	UMTS FDD	Uplink	13:57:07.550	DCCH	MEASUREMENT_REPORT
					1819.	13:57:08.811	10690	85		5693.	RRCSM	UMTS FDD	Uplink	13:57:09.332	DCCH	MEASUREMENT_REPORT
					1820.	13:57:08.811	10690	85	-13.9	5694.	RRCSM	UMTS FDD	Downlink	13:57:09.548	DCCH	ACTIVE_SET_UPDATE
					1821.	13:57:09.363	10690	85		5695.	RRCSM	UMTS FDD	Uplink	13:57:09.550	DCCH	MEASUREMENT_REPORT
					1822.	13:57:09.363	10690	85	-10.8	5696.	RRCSM	UMTS FDD	Uplink	13:57:09.580	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					1823.	13:57:09.821	10690	85		5697.	RRCSM	UMTS FDD	Uplink	13:57:09.801	DCCH	MEASUREMENT_REPORT
					1824.	13:57:09.821	10690	85	-14	5698.	RRCSM	UMTS FDD	Downlink	13:57:09.828	DCCH	MEASUREMENT_CONTROL
					1825.	13:57:10.221	10690	85		5699.	RRCSM	UMTS FDD	Uplink	13:57:09.901	DCCH	MEASUREMENT_REPORT
					1826.	13:57:10.221	10690	85	-15.3	5700.	RRCSM	UMTS FDD	Uplink	13:57:10.392	DCCH	MEASUREMENT_REPORT
					1827.	13:57:10.763	10690	76		5701.	RRCSM	UMTS FDD	Downlink	13:57:10.668	DCCH	ACTIVE_SET_UPDATE
					1828.	13:57:10.763	10690	76	-15.8	5702.	RRCSM	UMTS FDD	Uplink	13:57:10.686	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					1829.	13:57:11.470	10690	85		5703.	RRCSM	UMTS FDD	Uplink	13:57:10.902	DCCH	MEASUREMENT_REPORT
					1830.	13:57:11.470	10690	85	-12	5704.	RRCSM	UMTS FDD	Downlink	13:57:11.428	DCCH	RADIO_BEARER_SETUP
					1831.	13:57:12.021	10690	85		5705.	RRCSM	UMTS FDD	Uplink	13:57:11.470	DCCH	MEASUREMENT_REPORT
					1832.	13:57:12.021	10690	85	-10.1	5706.	RRCSM	UMTS FDD	Uplink	13:57:11.560	DCCH	MEASUREMENT_REPORT
					1833.	13:57:12.392	10690	85		5707.	RRCSM	UMTS FDD	Uplink	13:57:11.580	DCCH	MEASUREMENT_REPORT
					1834.	13:57:12.392	10690	85	-7.8	5708.	RRCSM	UMTS FDD	Uplink	13:57:11.916	DCCH	RADIO_BEARER_SETUP_COMPLETE
					1835.	13:57:12.959	10690	85		5709.	RRCSM	UMTS FDD	Downlink	13:57:12.148	DCCH	MEASUREMENT_CONTROL
					1836.	13:57:12.959	10690	85	-10.1	5710.	RRCSM	UMTS FDD	Downlink	13:57:12.188	DCCH	MEASUREMENT_CONTROL
					1837.	13:57:13.459	10690	85		5711.	RRCSM	UMTS FDD	Downlink	13:57:12.229	DCCH	MEASUREMENT_CONTROL
					1838.	13:57:13.459	10690	85	-7	5712.	RRCSM	UMTS FDD	Downlink	13:57:12.229	DCCH	MEASUREMENT_CONTROL
					1839.	13:57:14.003	10690	85		5713.	RRCSM	UMTS FDD	Downlink	13:57:12.309	DCCH	ACTIVE_SET_UPDATE
					1840.	13:57:14.003	10690	85	-9.5	5714.	RRCSM	UMTS FDD	Uplink	13:57:12.326	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					1841.	13:57:14.492	10690	76		5715.	RRCSM	UMTS FDD	Downlink	13:57:12.389	DCCH	DOWNLINK_DIRECT_TRANSFER
					1842.	13:57:14.492	10690	76	-13.2	5716.	L3SM	UMTS FDD	Downlink	13:57:12.389	DCCH	DISCONNECT
					1843.	13:57:14.954	10690	85		5717.	RRCSM	UMTS FDD	Uplink	13:57:12.432	DCCH	UPLINK_DIRECT_TRANSFER

Analysis:

- This call failure event occurred on short call at 13:57:12:575 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 85 and RF condition RSCP -116.9 dBm and Ec/No -18.1 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 MS7 CWS MO

	Time	System	Serving band			1. best active RSCP	Time	Ch	SC	1. best ac ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	13:57:12.575	UMTS FDD	2100	Dro	1950.		13:57:53.547	10690	85	-24.8		5862.	RRCSM	UMTS FDD	Downlink	13:57:49.365	DCCH	MEASUREMENT_CONTROL
2.	13:57:59.198	UMTS FDD	2100	Cal	1951.	-125	13:57:53.950	10690	85			5863.	RRCSM	UMTS FDD	Downlink	13:57:49.365	DCCH	MEASUREMENT_CONTROL
3.	14:01:27.108	GSM	900	Cal	1952.		13:57:53.950	10690	85	-25.1		5864.	RRCSM	UMTS FDD	Downlink	13:57:49.366	DCCH	MEASUREMENT_CONTROL
4.	14:02:54.472	UMTS FDD	2100	Dro	1953.	-121.9	13:57:54.547	10690	85			5865.	RRCSM	UMTS FDD	Downlink	13:57:49.366	DCCH	MEASUREMENT_CONTROL
5.	14:03:40.366	UMTS FDD	2100	Dro	1954.		13:57:54.547	10690	85	-21.5		5866.	RRCSM	UMTS FDD	Uplink	13:57:49.617	DCCH	MEASUREMENT_REPORT
6.	14:11:50.044	UMTS FDD	2100	Dro	1955.	-127	13:57:55.037	10690	85			5867.	RRCSM	UMTS FDD	Uplink	13:57:49.887	DCCH	MEASUREMENT_REPORT
7.	14:12:31.022	UMTS FDD	2100	Dro	1956.	-126.1	13:57:55.226	10690	85			5868.	RRCSM	UMTS FDD	Uplink	13:57:49.888	DCCH	MEASUREMENT_REPORT
8.	15:03:31.148	UMTS FDD	2100	Dro	1957.		13:57:55.226	10690	85	-25.2		5869.	RRCSM	UMTS FDD	Uplink	13:57:53.857	DCCH	MEASUREMENT_REPORT
9.	15:08:32.831	GSM	900	Dro	1958.	-123.2	13:57:56.097	10690	85			5870.	RRCSM	UMTS FDD	Downlink	13:57:54.045	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
10.	15:28:30.257	UMTS FDD	2100	Dro	1959.		13:57:56.097	10690	85	-22.8		5871.	RRCSM	UMTS FDD	Uplink	13:57:54.806	DCCH	MEASUREMENT_REPORT
11.	15:30:02.228	UMTS FDD	2100	Dro	1960.	-127.5	13:57:56.601	10690	85			5872.	RRCSM	UMTS FDD	Uplink	13:57:54.886	DCCH	MEASUREMENT_REPORT
					1961.	-125.7	13:57:57.014	10690	85			5873.	RRCSM	UMTS FDD	Uplink	13:57:55.037	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					1962.		13:57:57.014	10690	85	-24.9		5874.	RRCSM	UMTS FDD	Uplink	13:57:58.097	DCCH	MEASUREMENT_REPORT
					1963.	-125.2	13:57:57.537	10690	85			5875.	RRCSM	UMTS FDD	Downlink	13:57:58.890	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1964.		13:57:57.537	10690	85	-24.3		5876.	RRCSM	UMTS FDD	Downlink	13:57:58.910	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1965.	-124.9	13:57:58.201	10690	85			5877.	RRCSM	UMTS FDD	Downlink	13:57:58.929	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1966.		13:57:58.201	10690	85	-24.1		5878.	RRCSM	UMTS FDD	Downlink	13:57:58.929	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
					1967.	-124.9	13:57:59.198	10690	85			5879.	RRCSM	UMTS FDD	Downlink	13:57:58.950	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1968.		13:57:59.198	10690	85	-24.1		5880.	RRCSM	UMTS FDD	Downlink	13:57:58.950	BCCH	MASTER_INFORMATION_BLOCK
					1969.	-124.9	13:57:59.679	10690	85			5881.	RRCSM	UMTS FDD	Downlink	13:57:59.548	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1970.		13:57:59.679	10690	85	-24.1		5882.	RRCSM	UMTS FDD	Downlink	13:57:59.548	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
					1971.	-113.8	13:58:59.241	10690	85			5883.	RRCSM	UMTS FDD	Downlink	13:57:59.548	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1972.		13:58:59.241	10690	85	-14.8		5884.	RRCSM	UMTS FDD	Downlink	13:57:59.548	BCCH	MASTER_INFORMATION_BLOCK
					1973.	-108.8	13:58:59.749	10690	85			5885.	RRCSM	UMTS FDD	Downlink	13:57:59.548	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1974.		13:58:59.749	10690	85	-8.4		5886.	RRCSM	UMTS FDD	Downlink	13:57:59.548	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1975.	-118.5	13:59:00.222	10690	85			5887.	RRCSM	UMTS FDD	Downlink	13:57:59.548	BCCH	MASTER_INFORMATION_BLOCK
					1976.		13:59:00.222	10690	85	-18.6		5888.	RRCSM	UMTS FDD	Downlink	13:58:02.129	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1977.	-112.8	13:59:01.012	10690	85			5889.	RRCSM	UMTS FDD	Downlink	13:58:02.129	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
					1978.		13:59:01.012	10690	85	-10.5		5890.	RRCSM	UMTS FDD	Downlink	13:58:02.149	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1979.	-105.8	13:59:01.558	10690	85			5891.	RRCSM	UMTS FDD	Downlink	13:58:02.149	BCCH	MASTER_INFORMATION_BLOCK
					1980.		13:59:01.558	10690	85	-7.3		5892.	RRCSM	UMTS FDD	Downlink	13:58:02.409	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1981.	-111.1	13:59:02.019	10690	85			5893.	RRCSM	UMTS FDD	Downlink	13:58:02.429	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1982.		13:59:02.019	10690	85	-12.6		5894.	RRCSM	UMTS FDD	Downlink	13:58:02.449	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1983.	-106	13:59:02.459	10690	85			5895.	RRCSM	UMTS FDD	Downlink	13:58:02.449	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
					1984.		13:59:02.459	10690	85	-7.6		5896.	RRCSM	UMTS FDD	Downlink	13:58:02.469	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1985.	-103	13:59:03.014	10690	85			5897.	RRCSM	UMTS FDD	Downlink	13:58:02.469	BCCH	MASTER_INFORMATION_BLOCK
					1986.		13:59:03.014	10690	85	-6.1		5898.	RRCSM	UMTS FDD	Downlink	13:58:02.729	BCCH_BCH	SYSTEM_INFORMATION_BCH

Analysis:

- This call failure event occurred on short call at 13:57:59:198 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 85 and RF condition RSCP -124.9 dBm and Ec/No -24.1 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 MS7 CWS MO

	Time	System	Serving band		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ s		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	13:57:12.575	UMTS FDD	2100	Dro	395.	14:01:17.948	-99	10	17	1	0		6604.	L3SM	GSM	Uplink	14:01:16.754	SACCH	MEASUREMENT_REPORT
2.	13:57:59.198	UMTS FDD	2100	Call	396.	14:01:18.272	-99	10	17	1	0		6605.	L3SM	GSM	Uplink	14:01:17.225	SACCH	MEASUREMENT_REPORT
3.	14:01:27.108	GSM	900	Call	397.	14:01:19.012	-97	10	17	1	0		6606.	L3SM	GSM	Uplink	14:01:17.695	SACCH	MEASUREMENT_REPORT
4.	14:02:54.472	UMTS FDD	2100	Dro	398.	14:01:19.578	-99	10	17	1	0		6607.	L3SM	GSM	Uplink	14:01:18.166	SACCH	MEASUREMENT_REPORT
5.	14:03:40.366	UMTS FDD	2100	Dro	399.	14:01:20.049	-99	10	17	1	0		6608.	L3SM	GSM	Uplink	14:01:18.637	SACCH	MEASUREMENT_REPORT
6.	14:11:50.044	UMTS FDD	2100	Dro	400.	14:01:20.598	-99	10	17	1	0		6609.	L3SM	GSM	Uplink	14:01:19.108	SACCH	MEASUREMENT_REPORT
7.	14:12:31.022	UMTS FDD	2100	Dro	401.	14:01:21.013	-100	10	17	1	0		6610.	L3SM	GSM	Uplink	14:01:19.578	SACCH	MEASUREMENT_REPORT
8.	15:03:31.148	UMTS FDD	2100	Dro	402.	14:01:21.540	-100	10	17	1	0		6611.	L3SM	GSM	Uplink	14:01:20.049	SACCH	MEASUREMENT_REPORT
9.	15:08:32.831	GSM	900	Dro	403.	14:01:22.013	-99	10	17	1	0		6612.	L3SM	GSM	Uplink	14:01:20.520	SACCH	MEASUREMENT_REPORT
10.	15:28:30.257	UMTS FDD	2100	Dro	404.	14:01:22.717	-99	10	17	1	0		6613.	L3SM	GSM	Uplink	14:01:20.991	SACCH	MEASUREMENT_REPORT
11.	15:30:02.228	UMTS FDD	2100	Dro	405.	14:01:22.948	-99	10	17	1	0		6614.	L3SM	GSM	Uplink	14:01:21.461	SACCH	MEASUREMENT_REPORT
					406.	14:01:23.345					7		6615.	L3SM	GSM	Uplink	14:01:21.932	SACCH	MEASUREMENT_REPORT
					407.	14:01:23.423	-98	10	17	1	0		6616.	L3SM	GSM	Uplink	14:01:22.403	SACCH	MEASUREMENT_REPORT
					408.	14:01:23.815					7		6617.	L3SM	GSM	Uplink	14:01:22.874	SACCH	MEASUREMENT_REPORT
					409.	14:01:24.203	-99	10	17	1	0		6618.	L3SM	GSM	Uplink	14:01:23.345	SACCH	MEASUREMENT_REPORT
					410.	14:01:24.695	-99	10	17	1	0		6619.	L3SM	GSM	Uplink	14:01:23.815	SACCH	MEASUREMENT_REPORT
					411.	14:01:25.227	-100	10	17	1	0		6620.	L3SM	GSM	Uplink	14:01:24.286	SACCH	MEASUREMENT_REPORT
					412.	14:01:25.633	-100	10	17	1	0		6621.	L3SM	GSM	Uplink	14:01:24.757	SACCH	MEASUREMENT_REPORT
					413.	14:01:25.633							6622.	L3SM	GSM	Uplink	14:01:25.227	SACCH	MEASUREMENT_REPORT
					414.	14:04:58.961					0		6623.	RRCSM	UMTS FDD	Downlink	14:01:27.700	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					415.	14:04:59.016	-57	10	17	1			6624.	RRCSM	UMTS FDD	Downlink	14:01:27.700	BCCH	MASTER_INFORMATION_BLOCK
					416.	14:04:59.473	-56	10	17	1			6625.	RRCSM	UMTS FDD	Downlink	14:01:27.700	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					417.	14:05:00.017	-51	10	17	1			6626.	RRCSM	UMTS FDD	Downlink	14:01:27.720	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					418.	14:05:00.418	-50	10	17	1			6627.	RRCSM	UMTS FDD	Downlink	14:01:27.720	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_2
					419.	14:05:01.016	-56	10	17	1			6628.	RRCSM	UMTS FDD	Downlink	14:01:27.720	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					420.	14:05:01.591	-48	10	17	1			6629.	RRCSM	UMTS FDD	Downlink	14:01:27.720	BCCH_BCH	MASTER_INFORMATION_BLOCK
					421.	14:05:01.953	-48	10	17	1			6630.	RRCSM	UMTS FDD	Downlink	14:01:27.720	BCCH_BCH	SCHEDULING_BLOCK_1
					422.	14:05:02.309	-48	10	17	1			6631.	RRCSM	UMTS FDD	Downlink	14:01:27.720	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
					423.	14:05:03.198	-48	10	17	1			6632.	RRCSM	UMTS FDD	Downlink	14:01:27.720	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					424.	14:05:03.669	-51	10	17	1			6633.	RRCSM	UMTS FDD	Downlink	14:01:27.720	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_5
					425.	14:05:04.140	-48	10	17	1			6634.	RRCSM	UMTS FDD	Downlink	14:01:27.720	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_11
					426.	14:05:04.651	-48	10	17	1			6635.	RRCSM	UMTS FDD	Uplink	14:01:27.791	CCCH	RRC_CONNECTION_REQUEST
					427.	14:05:05.257	-48	10	17	1			6636.	RRCSM	UMTS FDD	Downlink	14:01:27.820	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					428.	14:05:05.593	-49	10	17	1			6637.	RRCSM	UMTS FDD	Downlink	14:01:27.840	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					429.	14:05:06.064	-49	10	17	1			6638.	RRCSM	UMTS FDD	Downlink	14:01:27.860	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					430.	14:05:06.535	-48	10	17	1			6639.	RRCSM	UMTS FDD	Downlink	14:01:27.860	BCCH	MASTER_INFORMATION_BLOCK
					431.	14:05:07.176	-48	10	17	1			6640.	RRCSM	UMTS FDD	Downlink	14:01:27.860	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7

Analysis:

- This call failure event occurred on short call at 14:01:27:108 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 10 and RF condition Rx lev - 100 dBm is poor and Rx qual 0 dB which is ok.
- 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 MS7 CWS MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ac	Event ID	System	Transf. dir.	Time	Subchannel	Message name		
1.	13:57:12.575	UMTS FDD	2100	Dro	2532.		14:02:49.493	10690	85	-16.6	6995.	RRCSM	UMTS FDD	Uplink	14:02:46.964	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
2.	13:57:59.198	UMTS FDD	2100	Call	2533.	-116.3	14:02:50.073	10690	85		6996.	RRCSM	UMTS FDD	Downlink	14:02:47.201	DCCH	MEASUREMENT_CONTROL
3.	14:01:27.108	GSM	900	Call	2534.		14:02:50.073	10690	85	-14	6997.	RRCSM	UMTS FDD	Downlink	14:02:47.281	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
4.	14:02:54.472	UMTS FDD	2100	Dro	2535.	-119.5	14:02:50.702	10690	85		6998.	RRCSM	UMTS FDD	Uplink	14:02:47.452	DCCH	MEASUREMENT_REPORT
5.	14:03:40.366	UMTS FDD	2100	Dro	2536.		14:02:50.702	10690	85	-20.1	6999.	RRCSM	UMTS FDD	Uplink	14:02:47.763	DCCH	MEASUREMENT_REPORT
6.	14:11:50.044	UMTS FDD	2100	Dro	2537.	-122	14:02:51.074	10690	85		7000.	RRCSM	UMTS FDD	Uplink	14:02:47.853	DCCH	MEASUREMENT_REPORT
7.	14:12:31.022	UMTS FDD	2100	Dro	2538.		14:02:51.074	10690	85	-21.6	7001.	RRCSM	UMTS FDD	Uplink	14:02:48.074	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
8.	15:03:31.148	UMTS FDD	2100	Dro	2539.	-125.4	14:02:51.494	10690	85		7002.	RRCSM	UMTS FDD	Downlink	14:02:48.642	DCCH	MEASUREMENT_CONTROL
9.	15:08:32.831	GSM	900	Dro	2540.		14:02:51.494	10690	85	-22.5	7003.	RRCSM	UMTS FDD	Uplink	14:02:49.643	DCCH	MEASUREMENT_REPORT
10.	15:28:30.257	UMTS FDD	2100	Dro	2541.	-117.7	14:02:52.073	10690	85		7004.	RRCSM	UMTS FDD	Uplink	14:02:50.643	DCCH	MEASUREMENT_REPORT
11.	15:30:02.228	UMTS FDD	2100	Dro	2542.		14:02:52.073	10690	85	-18.3	7005.	RRCSM	UMTS FDD	Uplink	14:02:51.643	DCCH	MEASUREMENT_REPORT
					2543.	-119.8	14:02:52.702	10690	85		7006.	RRCSM	UMTS FDD	Uplink	14:02:51.693	DCCH	MEASUREMENT_REPORT
					2544.		14:02:52.702	10690	85	-17.5	7007.	RRCSM	UMTS FDD	Uplink	14:02:52.643	DCCH	MEASUREMENT_REPORT
					2545.	-111.3	14:02:53.113	10690	85		7008.	RRCSM	UMTS FDD	Uplink	14:02:53.643	DCCH	MEASUREMENT_REPORT
					2546.		14:02:53.113	10690	85	-10.5	7009.	RRCSM	UMTS FDD	Uplink	14:02:53.853	DCCH	MEASUREMENT_REPORT
					2547.	-119.5	14:02:53.702	10690	85		7010.	RRCSM	UMTS FDD	Downlink	14:02:54.202	DCCH	DOWNLINK_DIRECT_TRANSFER
					2548.		14:02:53.702	10690	85	-19.6	7011.	L3SM	UMTS FDD	Downlink	14:02:54.202	DCCH	DISCONNECT
					2549.	-113.7	14:02:54.203	10690	85		7012.	RRCSM	UMTS FDD	Uplink	14:02:54.431	DCCH	UPLINK_DIRECT_TRANSFER
					2550.		14:02:54.203	10690	85	-15.7	7013.	L3SM	UMTS FDD	Uplink	14:02:54.431	DCCH	RELEASE
					2551.	-112.1	14:02:54.865	10690	85		7014.	RRCSM	UMTS FDD	Uplink	14:02:54.643	DCCH	MEASUREMENT_REPORT
					2552.		14:02:54.865	10690	85	-12.3	7015.	RRCSM	UMTS FDD	Downlink	14:02:54.722	DCCH	RADIO_BEARER_RELEASE
					2553.	-110.2	14:02:55.202	10690	85		7016.	RRCSM	UMTS FDD	Downlink	14:02:54.761	DCCH	DOWNLINK_DIRECT_TRANSFER
					2554.		14:02:55.202	10690	85	-9.3	7017.	L3SM	UMTS FDD	Downlink	14:02:54.761	DCCH	RELEASE_COMPLETE
					2555.	-108.2	14:02:56.013	10690	85		7018.	RRCSM	UMTS FDD	Uplink	14:02:55.514	DCCH	RADIO_BEARER_RELEASE_COMPLETE
					2556.		14:02:56.013	10690	85	-10.5	7019.	RRCSM	UMTS FDD	Uplink	14:02:55.643	DCCH	MEASUREMENT_REPORT
					2557.	-111.3	14:02:56.213	10690	85		7020.	RRCSM	UMTS FDD	Downlink	14:02:55.761	DCCH	MEASUREMENT_CONTROL
					2558.		14:02:56.213	10690	85	-10.4	7021.	RRCSM	UMTS FDD	Downlink	14:02:55.801	DCCH	MEASUREMENT_CONTROL
					2559.	-111.7	14:02:57.013	10690	85		7022.	RRCSM	UMTS FDD	Downlink	14:02:55.881	DCCH	SIGNALLING_CONNECTION_RELEASE
					2560.		14:02:57.013	10690	85	-12.8	7023.	RRCSM	UMTS FDD	Uplink	14:02:55.933	DCCH	MEASUREMENT_REPORT
					2561.	-118.7	14:02:57.208	10690	85		7024.	RRCSM	UMTS FDD	Uplink	14:02:56.643	DCCH	MEASUREMENT_REPORT
					2562.		14:02:57.208	10690	85	-18.8	7025.	RRCSM	UMTS FDD	Uplink	14:02:57.643	DCCH	MEASUREMENT_REPORT
					2563.	-116.5	14:02:58.014	10690	85		7026.	RRCSM	UMTS FDD	Uplink	14:02:58.643	DCCH	MEASUREMENT_REPORT
					2564.		14:02:58.014	10690	85	-16.7	7027.	RRCSM	UMTS FDD	Uplink	14:02:59.114	DCCH	MEASUREMENT_REPORT
					2565.	-119.8	14:02:58.511	10690	85		7028.	RRCSM	UMTS FDD	Uplink	14:02:59.181	DCCH	MEASUREMENT_REPORT
					2566.		14:02:58.511	10690	85	-16.2	7029.	RRCSM	UMTS FDD	Downlink	14:02:59.321	DCCH	MEASUREMENT_CONTROL
					2567.	-122.4	14:02:59.011	10690	85		7030.	RRCSM	UMTS FDD	Uplink	14:02:59.763	DCCH	MEASUREMENT_REPORT
					2568.		14:02:59.011	10690	85	-22.4	7031.	RRCSM	UMTS FDD	Uplink	14:02:59.863	DCCH	MEASUREMENT_REPORT

Analysis:

- This call failure event occurred on short call at 14:02:54:472 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 85 and RF condition RSCP -113.7 dBm and Ec/No -15.7 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 ac		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	13:57:12.575	UMTS FDD	2100	Dro	2634.				-16.8		7203.	RRCSM	UMTS FDD	Downlink	14:03:35.637	DCCH	RADIO_BEARER_RECONFIGURATION
2.	13:57:59.198	UMTS FDD	2100	Call	2635.	-113.8	14:03:36.019	10690	85		7204.	RRCSM	UMTS FDD	Uplink	14:03:36.285	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
3.	14:01:27.108	GSM	900	Call	2636.		14:03:36.019	10690	85	-14.9	7205.	RRCSM	UMTS FDD	Downlink	14:03:36.597	DCCH	MEASUREMENT_CONTROL
4.	14:02:54.472	UMTS FDD	2100	Dro	2637.	-115.3	14:03:36.729	10690	85		7206.	RRCSM	UMTS FDD	Uplink	14:03:37.238	DCCH	MEASUREMENT_REPORT
5.	14:03:40.366	UMTS FDD	2100	Dro	2638.		14:03:36.729	10690	85	-15.9	7207.	RRCSM	UMTS FDD	Uplink	14:03:37.558	DCCH	MEASUREMENT_REPORT
6.	14:11:50.044	UMTS FDD	2100	Dro	2639.	-114.7	14:03:37.072	10690	85		7208.	RRCSM	UMTS FDD	Downlink	14:03:37.997	DCCH	RADIO_BEARER_RECONFIGURATION
7.	14:12:31.022	UMTS FDD	2100	Dro	2640.		14:03:37.072	10690	85	-15.4	7209.	RRCSM	UMTS FDD	Uplink	14:03:38.684	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
8.	15:03:31.148	UMTS FDD	2100	Dro	2641.	-115.4	14:03:37.761	10690	85		7210.	RRCSM	UMTS FDD	Downlink	14:03:39.277	DCCH	RADIO_BEARER_SETUP
9.	15:08:32.831	GSM	900	Dro	2642.		14:03:37.761	10690	85	-16.1	7211.	RRCSM	UMTS FDD	Uplink	14:03:39.538	DCCH	MEASUREMENT_REPORT
10.	15:28:30.257	UMTS FDD	2100	Dro	2643.	-116.6	14:03:38.183	10690	85		7212.	RRCSM	UMTS FDD	Uplink	14:03:39.558	DCCH	MEASUREMENT_REPORT
11.	15:30:02.228	UMTS FDD	2100	Dro	2644.		14:03:38.183	10690	85	-16.8	7213.	RRCSM	UMTS FDD	Uplink	14:03:39.844	DCCH	RADIO_BEARER_SETUP_COMPLETE
					2645.	-114.4	14:03:38.668	10690	85		7214.	RRCSM	UMTS FDD	Downlink	14:03:40.077	DCCH	MEASUREMENT_CONTROL
					2646.		14:03:38.668	10690	85	-15.1	7215.	RRCSM	UMTS FDD	Downlink	14:03:40.117	DCCH	MEASUREMENT_CONTROL
					2647.	-115.3	14:03:39.169	10690	85		7216.	RRCSM	UMTS FDD	Downlink	14:03:40.157	DCCH	MEASUREMENT_CONTROL
					2648.		14:03:39.169	10690	85	-12.4	7217.	RRCSM	UMTS FDD	Downlink	14:03:40.158	DCCH	MEASUREMENT_CONTROL
					2649.	-119.6	14:03:39.829	10690	85		7218.	RRCSM	UMTS FDD	Downlink	14:03:40.237	DCCH	DOWNLINK_DIRECT_TRANSFER
					2650.		14:03:39.829	10690	85	-17.4	7219.	L3SM	UMTS FDD	Downlink	14:03:40.237	DCCH	DISCONNECT
					2651.	-110.9	14:03:40.289	10690	85		7220.	RRCSM	UMTS FDD	Uplink	14:03:40.366	DCCH	UPLINK_DIRECT_TRANSFER
					2652.		14:03:40.289	10690	85	-11	7221.	L3SM	UMTS FDD	Uplink	14:03:40.366	DCCH	RELEASE
					2653.	-112.1	14:03:40.828	10690	85		7222.	RRCSM	UMTS FDD	Uplink	14:03:40.419	DCCH	MEASUREMENT_REPORT
					2654.		14:03:40.828	10690	85	-13.6	7223.	RRCSM	UMTS FDD	Downlink	14:03:40.717	DCCH	RADIO_BEARER_RELEASE
					2655.	-114.8	14:03:41.369	10690	85		7224.	RRCSM	UMTS FDD	Downlink	14:03:40.757	DCCH	DOWNLINK_DIRECT_TRANSFER
					2656.		14:03:41.369	10690	85	-15.8	7225.	L3SM	UMTS FDD	Downlink	14:03:40.757	DCCH	RELEASE_COMPLETE
					2657.	-116.5	14:03:41.912	10690	85		7226.	RRCSM	UMTS FDD	Uplink	14:03:41.410	DCCH	MEASUREMENT_REPORT
					2658.		14:03:41.912	10690	85	-12.7	7227.	RRCSM	UMTS FDD	Uplink	14:03:41.525	DCCH	RADIO_BEARER_RELEASE_COMPLETE
					2659.	-114	14:03:49.601	10690	85		7228.	RRCSM	UMTS FDD	Downlink	14:03:41.677	DCCH	RRC_CONNECTION_RELEASE
					2660.		14:03:49.601	10690	85	-12.5	7229.	RRCSM	UMTS FDD	Uplink	14:03:41.678	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					2661.	-114.9	14:03:50.058	10690	85		7230.	RRCSM	UMTS FDD	Uplink	14:03:41.718	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					2662.		14:03:50.058	10690	85	-16	7231.	RRCSM	UMTS FDD	Downlink	14:03:41.757	DCCH	RRC_CONNECTION_RELEASE
					2663.	-113.5	14:03:50.598	10690	85		7232.	RRCSM	LTE FDD	Downlink	14:03:42.036	BCCH-BCH	MasterInformationBlock
					2664.		14:03:50.598	10690	85	-15.9	7233.	RRCSM	LTE FDD	Downlink	14:03:42.080	BCCH-SCH	SystemInformationBlockType1
					2665.	-114.4	14:03:51.144	10690	85		7234.	RRCSM	LTE FDD	Downlink	14:03:42.081	BCCH-SCH	SystemInformation - SIB2,SIB3
					2666.		14:03:51.144	10690	85	-15	7235.	RRCSM	LTE FDD	Downlink	14:03:42.081	BCCH-SCH	SystemInformation - SIB5
					2667.	-113.8	14:03:51.778	10690	85		7236.	L3SM	LTE FDD	Uplink	14:03:42.106		TRACKING_AREA_UPDATE_REQUEST
					2668.		14:03:51.778	10690	85	-15	7237.	RRCSM	LTE FDD	Uplink	14:03:42.106	CCCH	RRCConnectionRequest
					2669.	-111.7	14:03:52.258	10690	85		7238.	RRCSM	LTE FDD	Downlink	14:03:42.157	CCCH	RRCConnectionSetup
					2670.		14:03:52.258	10690	85	-13.5	7239.	RRCSM	LTE FDD	Uplink	14:03:42.163	DCCH	RRCConnectionSetupComplete

Analysis:

- This call failure event occurred on short call at 14:03:40:366 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 85 and RF condition RSCP -119.6 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 6 From MS7 CWS MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ac ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	13:57:12.575	UMTS FDD	2100	Dro	2891.	-80.2	14:11:44.147	10690	223		9288.	RRCSM	UMTS FDD	Uplink	14:11:38.856	DCCH	MEASUREMENT_REPORT
2.	13:57:59.198	UMTS FDD	2100	Call	2892.		14:11:44.147	10690	223	-3.4	9289.	RRCSM	UMTS FDD	Uplink	14:11:39.525	DCCH	MEASUREMENT_REPORT
3.	14:01:27.108	GSM	900	Call	2893.	-79.9	14:11:44.777	10690	223		9290.	RRCSM	UMTS FDD	Uplink	14:11:41.525	DCCH	MEASUREMENT_REPORT
4.	14:02:54.472	UMTS FDD	2100	Dro	2894.		14:11:44.777	10690	223	-3.6	9291.	RRCSM	UMTS FDD	Downlink	14:11:42.044	DCCH	RADIO_BEARER_RECONFIGURATION
5.	14:03:40.366	UMTS FDD	2100	Dro	2895.	-80.4	14:11:45.137	10690	223		9292.	RRCSM	UMTS FDD	Uplink	14:11:42.650	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
6.	14:11:50.044	UMTS FDD	2100	Dro	2896.		14:11:45.137	10690	223	-3.6	9293.	RRCSM	UMTS FDD	Uplink	14:11:43.505	DCCH	MEASUREMENT_REPORT
7.	14:12:31.022	UMTS FDD	2100	Dro	2897.	-79	14:11:45.846	10690	223		9294.	RRCSM	UMTS FDD	Uplink	14:11:43.525	DCCH	MEASUREMENT_REPORT
8.	15:03:31.148	UMTS FDD	2100	Dro	2898.		14:11:45.846	10690	223	-2.5	9295.	RRCSM	UMTS FDD	Uplink	14:11:45.525	DCCH	MEASUREMENT_REPORT
9.	15:08:32.831	GSM	900	Dro	2899.	-86.7	14:11:46.304	10690	223		9296.	RRCSM	UMTS FDD	Uplink	14:11:47.525	DCCH	MEASUREMENT_REPORT
10.	15:28:30.257	UMTS FDD	2100	Dro	2900.		14:11:46.304	10690	223	-4.1	9297.	RRCSM	UMTS FDD	Downlink	14:11:48.964	DCCH	RADIO_BEARER_SETUP
11.	15:30:02.228	UMTS FDD	2100	Dro	2901.	-94.1	14:11:46.946	10690	223		9298.	RRCSM	UMTS FDD	Uplink	14:11:49.445	DCCH	MEASUREMENT_REPORT
					2902.		14:11:46.946	10690	223	-6.2	9299.	RRCSM	UMTS FDD	Uplink	14:11:49.532	DCCH	RADIO_BEARER_SETUP_COMPLETE
					2903.	-86.2	14:11:47.487	10690	223		9300.	RRCSM	UMTS FDD	Uplink	14:11:49.801	DCCH	MEASUREMENT_REPORT
					2904.		14:11:47.487	10690	223	-3.4	9301.	RRCSM	UMTS FDD	Uplink	14:11:49.801	DCCH	MEASUREMENT_REPORT
					2905.	-91.9	14:11:48.014	10690	223		9302.	RRCSM	UMTS FDD	Downlink	14:11:49.804	DCCH	MEASUREMENT_CONTROL
					2906.		14:11:48.014	10690	223	-4.3	9303.	RRCSM	UMTS FDD	Downlink	14:11:49.844	DCCH	MEASUREMENT_CONTROL
					2907.	-77.8	14:11:48.586	10690	223		9304.	RRCSM	UMTS FDD	Downlink	14:11:49.884	DCCH	MEASUREMENT_CONTROL
					2908.		14:11:48.586	10690	223	-2.7	9305.	RRCSM	UMTS FDD	Downlink	14:11:49.884	DCCH	MEASUREMENT_CONTROL
					2909.	-84.8	14:11:49.007	10690	223		9306.	RRCSM	UMTS FDD	Downlink	14:11:49.964	DCCH	DOWNLINK_DIRECT_TRANSFER
					2910.		14:11:49.007	10690	223	-3.8	9307.	L3SM	UMTS FDD	Downlink	14:11:49.964	DCCH	DISCONNECT
					2911.	-87.6	14:11:49.515	10690	223		9308.	RRCSM	UMTS FDD	Uplink	14:11:50.044	DCCH	UPLINK_DIRECT_TRANSFER
					2912.		14:11:49.515	10690	223	-2.8	9309.	L3SM	UMTS FDD	Uplink	14:11:50.044	DCCH	RELEASE
					2913.	-87.3	14:11:50.074	10690	223		9310.	RRCSM	UMTS FDD	Downlink	14:11:50.364	DCCH	RADIO_BEARER_RELEASE
					2914.		14:11:50.074	10690	223	-3.8	9311.	RRCSM	UMTS FDD	Downlink	14:11:50.404	DCCH	DOWNLINK_DIRECT_TRANSFER
					2915.	-80.3	14:11:50.686	10690	223		9312.	L3SM	UMTS FDD	Downlink	14:11:50.404	DCCH	RELEASE_COMPLETE
					2916.		14:11:50.686	10690	223	-2.9	9313.	RRCSM	UMTS FDD	Uplink	14:11:51.086	DCCH	MEASUREMENT_REPORT
					2917.	-84.4	14:11:51.186	10690	223		9314.	RRCSM	UMTS FDD	Uplink	14:11:51.126	DCCH	MEASUREMENT_REPORT
					2918.		14:11:51.186	10690	223	-3.4	9315.	RRCSM	UMTS FDD	Uplink	14:11:51.212	DCCH	RADIO_BEARER_RELEASE_COMPLETE
					2919.	-80.9	14:11:51.626	10690	223		9316.	RRCSM	UMTS FDD	Downlink	14:11:51.684	DCCH	MEASUREMENT_CONTROL
					2920.		14:11:51.626	10690	223	-2.9	9317.	RRCSM	UMTS FDD	Downlink	14:11:51.724	DCCH	MEASUREMENT_CONTROL
					2921.	-92.2	14:11:52.015	10690	223		9318.	RRCSM	UMTS FDD	Downlink	14:11:51.764	DCCH	SIGNALLING_CONNECTION_RELEASE
					2922.		14:11:52.015	10690	223	-5.3	9319.	RRCSM	UMTS FDD	Downlink	14:11:52.724	DCCH	MEASUREMENT_CONTROL
					2923.	-83.7	14:11:52.507	10690	223		9320.	RRCSM	UMTS FDD	Downlink	14:11:52.764	DCCH	MEASUREMENT_CONTROL
					2924.		14:11:52.507	10690	223	-2.9	9321.	RRCSM	UMTS FDD	Uplink	14:11:52.966	DCCH	MEASUREMENT_REPORT
					2925.	-89.6	14:11:53.186	10690	223		9322.	RRCSM	UMTS FDD	Uplink	14:11:53.006	DCCH	MEASUREMENT_REPORT
					2926.		14:11:53.186	10690	223	-4.1	9323.	RRCSM	UMTS FDD	Uplink	14:11:53.365	DCCH	MEASUREMENT_REPORT
					2927.	-79.5	14:11:53.686	10690	223		9324.	RRCSM	UMTS FDD	Uplink	14:11:54.605	DCCH	MEASUREMENT_REPORT

Analysis:

- This call failure event occurred on short call at 14:11:50:044 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 223 and RF condition RSCP -87.6 dBm and ECNO -2.8 dB both are good.
- Need to check MT End.

Phase-2 Call Attempt Failure Analysis 6 From MS8 CWS MT

	Time	Cell type	Band	Band (MHz)	Ch	PCI	RSRP	SNR		Event ID	System	Transf. dir.	Time	Subchannel	Message name
4142.	14:11:37.089	Serving	B20	800	6300	187	-122.1			8540.	RRCSM	LTE FDD Downlink	14:11:07.222	DCCH	RRConnectionReconfiguration
4143.	14:11:37.089							-7.2		8541.	RRCSM	LTE FDD Uplink	14:11:07.224	DCCH	RRConnectionReconfigurationComplete
4144.	14:11:38.016	Serving	B20	800	6300	187	-121.1			8542.	RRCSM	LTE FDD Downlink	14:11:07.241	DCCH	RRConnectionReconfiguration
4145.	14:11:38.016							-11.2		8543.	RRCSM	LTE FDD Uplink	14:11:07.242	DCCH	RRConnectionReconfigurationComplete
4146.	14:11:39.116	Serving	B20	800	6300	187	-123.4			8544.	RRCSM	LTE FDD Downlink	14:11:07.262	DCCH	DLInformationTransfer
4147.	14:11:39.116							-9.3		8545.	L3SM	LTE FDD Downlink	14:11:07.263		MODIFY_EPS_BEARER_CONTEXT_REQUEST
4148.	14:11:40.694	Serving	B20	800	6300	187	-123.9			8546.	L3SM	LTE FDD Uplink	14:11:07.264		MODIFY_EPS_BEARER_CONTEXT_ACCEPT
4149.	14:11:40.694							-9.2		8547.	RRCSM	LTE FDD Uplink	14:11:07.264	DCCH	ULInformationTransfer
4150.	14:11:41.938	Serving	B20	800	6300	187	-124.7			8548.	RRCSM	LTE FDD Uplink	14:11:07.658	DCCH	MeasurementReport
4151.	14:11:41.938							-12		8549.	RRCSM	LTE FDD Uplink	14:11:07.658	DCCH	MeasurementReport
4152.	14:11:42.949	Serving	B20	800	6300	187	-122.7			8550.	RRCSM	LTE FDD Downlink	14:11:08.388	PCCH	Paging
4153.	14:11:42.949							-8.5		8551.	RRCSM	LTE FDD Downlink	14:11:10.538	PCCH	Paging
4154.	14:11:44.236	Serving	B20	800	6300	187	-124.6			8552.	RRCSM	LTE FDD Downlink	14:11:13.098	PCCH	Paging
4155.	14:11:44.236							-9.2		8553.	RRCSM	LTE FDD Downlink	14:11:14.378	PCCH	Paging
4156.	14:11:46.016	Serving	B20	800	6300	187	-123.5			8554.	RRCSM	LTE FDD Downlink	14:11:15.658	PCCH	Paging
4157.	14:11:46.016							-10.6		8555.	RRCSM	LTE FDD Downlink	14:11:16.938	PCCH	Paging
4158.	14:11:47.090	Serving	B20	800	6300	187	-130			8556.	RRCSM	LTE FDD Downlink	14:11:18.218	PCCH	Paging
4159.	14:11:47.090							-12.6		8557.	RRCSM	LTE FDD Downlink	14:11:20.778	PCCH	Paging
4160.	14:11:48.076	Serving	B20	800	6300	187	-122.3			8558.	RRCSM	LTE FDD Downlink	14:11:22.058	PCCH	Paging
4161.	14:11:48.076							-12.8		8559.	RRCSM	LTE FDD Downlink	14:11:23.338	PCCH	Paging
4162.	14:11:49.354	Serving	B20	800	6300	187	-123.9			8560.	RRCSM	LTE FDD Downlink	14:11:27.497	DCCH	RRConnectionRelease
4163.	14:11:49.354							-10.5		8561.	RRCSM	LTE FDD Downlink	14:11:27.588	PCCH	Paging
4164.	14:11:51.113	Serving	B20	800	6300	187	-124.6			8562.	RRCSM	LTE FDD Downlink	14:12:56.013	BCCH-SCH	SystemInformationBlockType1
4165.	14:11:51.113							-8.9		8563.	RRCSM	LTE FDD Downlink	14:12:56.030	BCCH-SCH	SystemInformation - SIB2,SIB3
4166.	14:11:51.909	Serving	B20	800	6300	187	-122.9			8564.	RRCSM	LTE FDD Downlink	14:12:56.230	BCCH-SCH	SystemInformation - SIB5
4167.	14:11:51.909							-8.5		8565.	RRCSM	LTE FDD Downlink	14:12:57.317	PCCH	Paging
4168.	14:11:52.017	Serving	B20	800	6300	187	-122.9			8566.	RRCSM	LTE FDD Downlink	14:12:58.598	PCCH	Paging
4169.	14:11:53.196	Serving	B20	800	6300	187	-123.4			8567.	RRCSM	LTE FDD Downlink	14:13:01.158	PCCH	Paging
4170.	14:11:53.196							-10		8568.	RRCSM	LTE FDD Downlink	14:13:02.438	PCCH	Paging
4171.	14:11:55.016	Serving	B20	800	6300	187	-122.9			8569.	RRCSM	LTE FDD Downlink	14:13:03.718	PCCH	Paging
4172.	14:11:55.016							-10.6		8570.	RRCSM	LTE FDD Downlink	14:13:06.277	PCCH	Paging
4173.	14:11:55.938	Serving	B20	800	6300	187	-122.4			8571.	RRCSM	LTE FDD Downlink	14:13:07.557	PCCH	Paging
4174.	14:11:55.938							-7.8		8572.	L3SM	LTE FDD Uplink	14:13:07.557		EXTENDED_SERVICE_REQUEST
4175.	14:11:57.090	Serving	B20	800	6300	187	-123.6			8573.	RRCSM	LTE FDD Uplink	14:13:07.557	CCCH	RRConnectionRequest
4176.	14:11:57.090							-11.5		8574.	RRCSM	LTE FDD Downlink	14:13:07.601	CCCH	RRConnectionSetup
4177.	14:11:58.527	Serving	B20	800	6300	187	-124.6			8575.	RRCSM	LTE FDD Uplink	14:13:07.605	DCCH	RRConnectionSetupComplete

Analysis:

- During the setup fail, UE was latched with PCI 187 and RF condition RSRP -123.9 dBm and SNR -10.5 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 MS7 CWS MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ac ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	13:57:12.575	UMTS FDD	2100	Dro	3049.	-95.9	14:12:25.514	10690	223		9373.	RRCSM	UMTS FDD	Uplink	14:12:25.705	DCCH	MEASUREMENT_REPORT
2.	13:57:59.198	UMTS FDD	2100	Call	3050.		14:12:25.514	10690	223	-5.3	9374.	RRCSM	UMTS FDD	Downlink	14:12:25.843	DCCH	RADIO_BEARER_RECONFIGURATION
3.	14:01:27.108	GSM	900	Call	3051.	-99.3	14:12:26.056	10690	223		9375.	RRCSM	UMTS FDD	Uplink	14:12:26.410	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
4.	14:02:54.472	UMTS FDD	2100	Dro	3052.		14:12:26.056	10690	223	-7.3	9376.	RRCSM	UMTS FDD	Downlink	14:12:26.563	DCCH	MEASUREMENT_CONTROL
5.	14:03:40.366	UMTS FDD	2100	Dro	3053.	-105.6	14:12:26.603	10690	223		9377.	RRCSM	UMTS FDD	Downlink	14:12:26.603	DCCH	MEASUREMENT_CONTROL
6.	14:11:50.044	UMTS FDD	2100	Dro	3054.		14:12:26.603	10690	223	-9.4	9378.	RRCSM	UMTS FDD	Downlink	14:12:26.643	DCCH	MEASUREMENT_CONTROL
7.	14:12:31.022	UMTS FDD	2100	Dro	3055.	-100	14:12:27.211	10690	223		9379.	RRCSM	UMTS FDD	Downlink	14:12:26.683	DCCH	MEASUREMENT_CONTROL
8.	15:03:31.148	UMTS FDD	2100	Dro	3056.		14:12:27.211	10690	223	-6.9	9380.	RRCSM	UMTS FDD	Uplink	14:12:27.325	DCCH	MEASUREMENT_REPORT
9.	15:08:32.831	GSM	900	Dro	3057.	-101.1	14:12:27.611	10690	223		9381.	RRCSM	UMTS FDD	Uplink	14:12:27.866	DCCH	MEASUREMENT_REPORT
10.	15:28:30.257	UMTS FDD	2100	Dro	3058.		14:12:27.611	10690	223	-8	9382.	RRCSM	UMTS FDD	Uplink	14:12:27.906	DCCH	MEASUREMENT_REPORT
11.	15:30:02.228	UMTS FDD	2100	Dro	3059.	-108.3	14:12:28.306	10690	223		9383.	RRCSM	UMTS FDD	Uplink	14:12:28.485	DCCH	MEASUREMENT_REPORT
					3060.		14:12:28.306	10690	223	-14.5	9384.	RRCSM	UMTS FDD	Downlink	14:12:29.923	DCCH	RADIO_BEARER_SETUP
					3061.	-104.5	14:12:28.666	10690	223		9385.	RRCSM	UMTS FDD	Uplink	14:12:30.485	DCCH	MEASUREMENT_REPORT
					3062.		14:12:28.666	10690	223	-8.7	9386.	RRCSM	UMTS FDD	Uplink	14:12:30.491	DCCH	RADIO_BEARER_SETUP_COMPLETE
					3063.	-108.4	14:12:29.046	10690	223		9387.	RRCSM	UMTS FDD	Downlink	14:12:30.764	DCCH	MEASUREMENT_CONTROL
					3064.		14:12:29.046	10690	223	-13.6	9388.	RRCSM	UMTS FDD	Downlink	14:12:30.804	DCCH	MEASUREMENT_CONTROL
					3065.	-101.9	14:12:29.706	10690	223		9389.	RRCSM	UMTS FDD	Downlink	14:12:30.844	DCCH	MEASUREMENT_CONTROL
					3066.		14:12:29.706	10690	223	-7.7	9390.	RRCSM	UMTS FDD	Downlink	14:12:30.844	DCCH	MEASUREMENT_CONTROL
					3067.	-107.1	14:12:30.056	10690	223		9391.	RRCSM	UMTS FDD	Downlink	14:12:30.924	DCCH	DOWNLINK_DIRECT_TRANSFER
					3068.		14:12:30.056	10690	223	-10.3	9392.	L3SM	UMTS FDD	Downlink	14:12:30.924	DCCH	DISCONNECT
					3069.	-100.8	14:12:30.646	10690	223		9393.	RRCSM	UMTS FDD	Uplink	14:12:31.014	DCCH	UPLINK_DIRECT_TRANSFER
					3070.		14:12:30.646	10690	223	-8.3	9394.	L3SM	UMTS FDD	Uplink	14:12:31.014	DCCH	RELEASE
					3071.	-103.5	14:12:31.294	10690	223		9395.	RRCSM	UMTS FDD	Downlink	14:12:31.323	DCCH	RADIO_BEARER_RELEASE
					3072.		14:12:31.294	10690	223	-8.9	9396.	RRCSM	UMTS FDD	Downlink	14:12:31.363	DCCH	DOWNLINK_DIRECT_TRANSFER
					3073.	-94.7	14:12:31.640	10690	223		9397.	L3SM	UMTS FDD	Downlink	14:12:31.363	DCCH	RELEASE_COMPLETE
					3074.		14:12:31.640	10690	223	-4.2	9398.	RRCSM	UMTS FDD	Uplink	14:12:31.725	DCCH	MEASUREMENT_REPORT
					3075.	-100.7	14:12:32.238	10690	223		9399.	RRCSM	UMTS FDD	Uplink	14:12:32.086	DCCH	MEASUREMENT_REPORT
					3076.		14:12:32.238	10690	223	-7.1	9400.	RRCSM	UMTS FDD	Uplink	14:12:32.172	DCCH	RADIO_BEARER_RELEASE_COMPLETE
					3077.	-90.3	14:12:32.746	10690	223		9401.	RRCSM	UMTS FDD	Downlink	14:12:32.563	DCCH	MEASUREMENT_CONTROL
					3078.		14:12:32.746	10690	223	-10.2	9402.	RRCSM	UMTS FDD	Downlink	14:12:32.564	DCCH	SIGNALLING_CONNECTION_RELEASE
					3079.	-103.4	14:12:33.491	10690	223		9403.	RRCSM	UMTS FDD	Downlink	14:12:33.683	DCCH	MEASUREMENT_CONTROL
					3080.		14:12:33.491	10690	223	-12.6	9404.	RRCSM	UMTS FDD	Downlink	14:12:33.723	DCCH	MEASUREMENT_CONTROL
					3081.	-98.5	14:12:33.996	10690	223		9405.	RRCSM	UMTS FDD	Downlink	14:12:33.803	DCCH	MEASUREMENT_CONTROL
					3082.		14:12:33.996	10690	223	-6.7	9406.	RRCSM	UMTS FDD	Uplink	14:12:33.872	DCCH	MEASUREMENT_REPORT
					3083.	-96.4	14:12:34.437	10690	223		9407.	RRCSM	UMTS FDD	Uplink	14:12:34.315	DCCH	MEASUREMENT_REPORT
					3084.		14:12:34.437	10690	223	-7	9408.	RRCSM	UMTS FDD	Uplink	14:12:35.106	DCCH	MEASUREMENT_REPORT
					3085.	-97.6	14:12:34.986	10690	223		9409.	RRCSM	UMTS FDD	Uplink	14:12:35.565	DCCH	MEASUREMENT_REPORT

Analysis:

- This call failure event occurred on short call at 14:12:31:022 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 223 and RF condition RSCP -108.4 dBm is poor and Ec/No -13.6 dB which is ok.
- 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 MS7 CWS MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ac ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	▲
1.	13:57:12.575	UMTS FDD	2100	Dro	4539. -99	15:03:25.686	10690	76		12289.	RRC	UMTS FDD	Uplink	15:03:24.766	DCCH	MEASUREMENT_REPORT	
2.	13:57:59.198	UMTS FDD	2100	Call	4540.	15:03:25.686	10690	76	-11.8	12290.	RRC	UMTS FDD	Uplink	15:03:25.203	DCCH	MEASUREMENT_REPORT	
3.	14:01:27.108	GSM	900	Call	4541. -101.6	15:03:26.093	10690	76		12291.	RRC	UMTS FDD	Uplink	15:03:25.235	DCCH	MEASUREMENT_REPORT	
4.	14:02:54.472	UMTS FDD	2100	Dro	4542.	15:03:26.093	10690	76	-11.7	12292.	RRC	UMTS FDD	Uplink	15:03:25.886	DCCH	MEASUREMENT_REPORT	
5.	14:03:40.366	UMTS FDD	2100	Dro	4543. -99.5	15:03:26.677	10690	76		12293.	RRC	UMTS FDD	Uplink	15:03:26.476	DCCH	MEASUREMENT_REPORT	
6.	14:11:50.044	UMTS FDD	2100	Dro	4544.	15:03:26.677	10690	76	-7.2	12294.	RRC	UMTS FDD	Uplink	15:03:27.886	DCCH	MEASUREMENT_REPORT	
7.	14:12:31.022	UMTS FDD	2100	Dro	4545. -101.8	15:03:27.247	10690	87		12295.	RRC	UMTS FDD	Uplink	15:03:27.964	DCCH	MEASUREMENT_REPORT	
8.	15:03:31.148	UMTS FDD	2100	Dro	4546.	15:03:27.247	10690	87	-7	12296.	RRC	UMTS FDD	Uplink	15:03:28.608	DCCH	MEASUREMENT_REPORT	
9.	15:08:32.831	GSM	900	Dro	4547. -101.3	15:03:27.686	10690	87		12297.	RRC	UMTS FDD	Downlink	15:03:28.765	DCCH	ACTIVE_SET_UPDATE	
10.	15:28:30.257	UMTS FDD	2100	Dro	4548.	15:03:27.686	10690	87	-7.1	12298.	RRC	UMTS FDD	Uplink	15:03:28.797	DCCH	ACTIVE_SET_UPDATE_COMPLETE	
11.	15:30:02.228	UMTS FDD	2100	Dro	4549. -103.7	15:03:28.117	10690	87		12299.	RRC	UMTS FDD	Downlink	15:03:28.925	DCCH	MEASUREMENT_CONTROL	
					4550.	15:03:28.117	10690	87	-7.6	12300.	RRC	UMTS FDD	Uplink	15:03:29.886	DCCH	MEASUREMENT_REPORT	
					4551. -101	15:03:28.687	10690	87		12301.	RRC	UMTS FDD	Downlink	15:03:30.125	DCCH	RADIO_BEARER_SETUP	
					4552.	15:03:28.687	10690	87	-13.6	12302.	RRC	UMTS FDD	Uplink	15:03:30.693	DCCH	RADIO_BEARER_SETUP_COMPLETE	
					4553. -114.1	15:03:29.200	10690	87		12303.	RRC	UMTS FDD	Downlink	15:03:30.925	DCCH	MEASUREMENT_CONTROL	
					4554.	15:03:29.200	10690	87	-13.1	12304.	RRC	UMTS FDD	Downlink	15:03:30.965	DCCH	MEASUREMENT_CONTROL	
					4555. -105.4	15:03:29.677	10690	87		12305.	RRC	UMTS FDD	Downlink	15:03:31.005	DCCH	MEASUREMENT_CONTROL	
					4556.	15:03:29.677	10690	87	-10.3	12306.	RRC	UMTS FDD	Downlink	15:03:31.005	DCCH	MEASUREMENT_CONTROL	
					4557. -119.6	15:03:30.227	10690	87		12307.	RRC	UMTS FDD	Downlink	15:03:31.085	DCCH	DOWNLINK_DIRECT_TRANSFER	
					4558.	15:03:30.227	10690	87	-20.8	12308.	L3SM	UMTS FDD	Downlink	15:03:31.085	DCCH	DISCONNECT	
					4559. -105.8	15:03:30.828	10690	87		12309.	RRC	UMTS FDD	Uplink	15:03:31.148	DCCH	UPLINK_DIRECT_TRANSFER	
					4560.	15:03:30.828	10690	87	-10.1	12310.	L3SM	UMTS FDD	Uplink	15:03:31.148	DCCH	RELEASE	
					4561. -104.4	15:03:31.235	10690	87		12311.	RRC	UMTS FDD	Downlink	15:03:31.485	DCCH	RADIO_BEARER_RELEASE	
					4562.	15:03:31.235	10690	87	-7.2	12312.	RRC	UMTS FDD	Downlink	15:03:31.525	DCCH	DOWNLINK_DIRECT_TRANSFER	
					4563. -108.2	15:03:31.958	10690	87		12313.	L3SM	UMTS FDD	Downlink	15:03:31.525	DCCH	RELEASE_COMPLETE	
					4564.	15:03:31.958	10690	87	-11.7	12314.	RRC	UMTS FDD	Uplink	15:03:31.628	DCCH	MEASUREMENT_REPORT	
					4565. -103.6	15:03:32.368	10690	87		12315.	RRC	UMTS FDD	Uplink	15:03:32.333	DCCH	RADIO_BEARER_RELEASE_COMPLETE	
					4566.	15:03:32.368	10690	87	-8.2	12316.	RRC	UMTS FDD	Downlink	15:03:32.485	DCCH	RRC_CONNECTION_RELEASE	
					4567. -104.2	15:03:44.029	10690	76		12317.	RRC	UMTS FDD	Uplink	15:03:32.485	DCCH	RRC_CONNECTION_RELEASE_COMPLETE	
					4568.	15:03:44.029	10690	76	-11.9	12318.	RRC	UMTS FDD	Uplink	15:03:32.525	DCCH	RRC_CONNECTION_RELEASE_COMPLETE	
					4569. -101.8	15:03:44.287	10690	76		12319.	RRC	UMTS FDD	Downlink	15:03:32.564	DCCH	RRC_CONNECTION_RELEASE	
					4570.	15:03:44.287	10690	76	-10.8	12320.	RRC	LTE FDD	Downlink	15:03:32.715	BCCH-BO	MasterInformationBlock	
					4571. -105.2	15:03:44.975	10690	76		12321.	RRC	LTE FDD	Downlink	15:03:32.729	BCCH-SCH	SystemInformationBlockType1	
					4572.	15:03:44.975	10690	76	-11.9	12322.	RRC	LTE FDD	Downlink	15:03:32.729	BCCH-SCH	SystemInformation - SIB2,SIB3	
					4573. -100.8	15:03:45.535	10690	76		12323.	RRC	LTE FDD	Downlink	15:03:32.729	BCCH-SCH	SystemInformation - SIB5	
					4574.	15:03:45.535	10690	76	-9.5	12324.	L3SM	LTE FDD	Uplink	15:03:32.752		TRACKING_AREA_UPDATE_REQUEST	
					4575. -96.3	15:03:46.076	10690	76		12325.	RRC	LTE FDD	Uplink	15:03:32.752	CCCH	RRCConnectionRequest	

Analysis:

- This call failure event occurred on short call at 15:03:31:148 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 87 and RF condition RSCP -119.6 dBm and Ec/No -20.8 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 9 From MS7 CWS MO

	Time	System	Serving band		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ s		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	13:57:12.575	UMTS FDD	2100	Dro	1275.	15:08:27.269					0		13482.	L3SM	GSM	Downlink	15:08:28.797	SACCH	SYSTEM_INFORMATION_TYPE_6
2.	13:57:59.198	UMTS FDD	2100	Call	1276.	15:08:27.740	-93	11	12	1			13483.	L3SM	GSM	Uplink	15:08:29.152	SACCH	MEASUREMENT_REPORT
3.	14:01:27.108	GSM	900	Call	1277.	15:08:27.740					6		13484.	L3SM	GSM	Downlink	15:08:29.267	SACCH	MEASUREMENT_INFORMATION
4.	14:02:54.472	UMTS FDD	2100	Dro	1278.	15:08:28.211					0		13485.	L3SM	GSM	Uplink	15:08:29.623	SACCH	MEASUREMENT_REPORT
5.	14:03:40.366	UMTS FDD	2100	Dro	1279.	15:08:28.326	-91	11	12	1			13486.	L3SM	GSM	Downlink	15:08:29.738	SACCH	MEASUREMENT_INFORMATION
6.	14:11:50.044	UMTS FDD	2100	Dro	1280.	15:08:28.681	-97	11	12	1			13487.	L3SM	GSM	Uplink	15:08:30.094	SACCH	MEASUREMENT_REPORT
7.	14:12:31.022	UMTS FDD	2100	Dro	1281.	15:08:28.681					6		13488.	L3SM	GSM	Downlink	15:08:30.209	SACCH	MEASUREMENT_INFORMATION
8.	15:03:31.148	UMTS FDD	2100	Dro	1282.	15:08:29.152	-91	11	12	1			13489.	L3SM	GSM	Uplink	15:08:30.564	SACCH	MEASUREMENT_REPORT
9.	15:08:32.831	GSM	900	Dro	1283.	15:08:29.152					0		13490.	L3SM	GSM	Downlink	15:08:30.680	SACCH	SYSTEM_INFORMATION_TYPE_5
10.	15:28:30.257	UMTS FDD	2100	Dro	1284.	15:08:29.623					0		13491.	L3SM	GSM	Uplink	15:08:31.035	SACCH	MEASUREMENT_REPORT
11.	15:30:02.228	UMTS FDD	2100	Dro	1285.	15:08:30.094	-92	11	12	1			13492.	L3SM	GSM	Downlink	15:08:31.150	SACCH	SYSTEM_INFORMATION_TYPE_5TER
					1286.	15:08:30.094					0		13493.	L3SM	GSM	Uplink	15:08:31.506	SACCH	MEASUREMENT_REPORT
					1287.	15:08:30.564					0		13494.	L3SM	GSM	Downlink	15:08:31.621	SACCH	SYSTEM_INFORMATION_TYPE_6
					1288.	15:08:31.035	-92	11	12	1			13495.	L3SM	GSM	Uplink	15:08:31.977	SACCH	MEASUREMENT_REPORT
					1289.	15:08:31.035					2		13496.	L3SM	GSM	Downlink	15:08:32.092	SACCH	MEASUREMENT_INFORMATION
					1290.	15:08:31.506					0		13497.	L3SM	GSM	Downlink	15:08:32.180	DCCH	ASSIGNMENT_COMMAND
					1291.	15:08:31.977	-94	11	12	1			13498.	L3SM	GSM	Uplink	15:08:32.240	DCCH	ASSIGNMENT_COMPLETE
					1292.	15:08:31.977					5		13499.	L3SM	GSM	Uplink	15:08:32.324	SACCH	MEASUREMENT_REPORT
					1293.	15:08:32.324					7		13500.	L3SM	GSM	Downlink	15:08:32.592	DCCH	DISCONNECT
					1294.	15:08:32.595	-94	26	12	1			13501.	L3SM	GSM	Downlink	15:08:32.758	SACCH	SYSTEM_INFORMATION_TYPE_5
					1295.	15:08:32.595					7		13502.	L3SM	GSM	Uplink	15:08:32.804	SACCH	MEASUREMENT_REPORT
					1296.	15:08:32.804					3		13503.	L3SM	GSM	Uplink	15:08:32.828	DCCH	RELEASE
					1297.	15:08:33.302	-92	26	12	1			13504.	L3SM	GSM	Downlink	15:08:32.970	DCCH	RELEASE_COMPLETE
					1298.	15:08:33.302							13505.	L3SM	GSM	Downlink	15:08:33.090	DCCH	CHANNEL_RELEASE
					1299.	15:09:05.872					0		13506.	RRCSM	LTE FDD	Downlink	15:08:33.447	BCCH-BCH	MasterInformationBlock
					1300.	15:09:06.343	-87	11	12	1			13507.	RRCSM	LTE FDD	Downlink	15:08:33.532	BCCH-SCH	SystemInformationBlockType1
					1301.	15:09:06.813	-90	11	12	1			13508.	RRCSM	LTE FDD	Downlink	15:08:33.532	BCCH-SCH	SystemInformation - SIB2,SIB3
					1302.	15:09:07.284	-92	11	12	1			13509.	RRCSM	LTE FDD	Downlink	15:08:33.532	BCCH-SCH	SystemInformation - SIB5
					1303.	15:09:07.284					2		13510.	L3SM	LTE FDD	Uplink	15:08:33.548		TRACKING_AREA_UPDATE_REQUEST
					1304.	15:09:07.755	-89	11	12	1			13511.	RRCSM	LTE FDD	Uplink	15:08:33.548	CCCH	RRCConnectionRequest
					1305.	15:09:07.755					0		13512.	RRCSM	LTE FDD	Downlink	15:08:34.772	BCCH-SCH	SystemInformationBlockType1
					1306.	15:09:08.502	-91	11	12	1			13513.	RRCSM	LTE FDD	Downlink	15:08:36.526	PCCH	Paging
					1307.	15:09:08.962	-90	11	12	1			13514.	RRCSM	LTE FDD	Downlink	15:08:40.366	PCCH	Paging
					1308.	15:09:09.321	-90	11	12	1			13515.	L3SM	LTE FDD	Uplink	15:08:43.776		TRACKING_AREA_UPDATE_REQUEST
					1309.	15:09:09.988	-91	11	12	1			13516.	RRCSM	LTE FDD	Uplink	15:08:43.776	CCCH	RRCConnectionRequest
					1310.	15:09:10.109					0		13517.	RRCSM	LTE FDD	Downlink	15:08:43.849	CCCH	RRCConnectionSetup
					1311.	15:09:10.580	-87	11	12	1			13518.	RRCSM	LTE FDD	Uplink	15:08:43.855	DCCH	RRCConnectionSetupComplete

Analysis:

- This call failure event occurred on short call at 15:08:32:831 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 26 and RF condition Rx lev -94 dBm and Rx qual 7 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 10 From MS7 CWS MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ac		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	13:57:12.575	UMTS FDD	2100	Dro	6688.	15:28:27.489	10690	77	-19.6	18151.	RRCSM	UMTS FDD	Uplink	15:28:24.498	DCCH	MEASUREMENT_REPORT
2.	13:57:59.198	UMTS FDD	2100	Call	6689.	15:28:27.498	10690	77		18152.	RRCSM	UMTS FDD	Uplink	15:28:24.668	DCCH	MEASUREMENT_REPORT
3.	14:01:27.108	GSM	900	Call	6690.	15:28:27.498	10690	77	-19.6	18153.	RRCSM	UMTS FDD	Uplink	15:28:24.987	DCCH	MEASUREMENT_REPORT
4.	14:02:54.472	UMTS FDD	2100	Dro	6691.	15:28:27.987	10690	77		18154.	RRCSM	UMTS FDD	Uplink	15:28:25.498	DCCH	MEASUREMENT_REPORT
5.	14:03:40.366	UMTS FDD	2100	Dro	6692.	15:28:27.987	10690	77	-16.8	18155.	RRCSM	UMTS FDD	Uplink	15:28:26.498	DCCH	MEASUREMENT_REPORT
6.	14:11:50.044	UMTS FDD	2100	Dro	6693.	15:28:28.428	10690	77		18156.	RRCSM	UMTS FDD	Uplink	15:28:27.498	DCCH	MEASUREMENT_REPORT
7.	14:12:31.022	UMTS FDD	2100	Dro	6694.	15:28:28.428	10690	77	-18	18157.	RRCSM	UMTS FDD	Uplink	15:28:28.498	DCCH	MEASUREMENT_REPORT
8.	15:03:31.148	UMTS FDD	2100	Dro	6695.	15:28:28.498	10690	77		18158.	RRCSM	UMTS FDD	Downlink	15:28:29.057	DCCH	RADIO_BEARER_SETUP
9.	15:08:32.831	GSM	900	Dro	6696.	15:28:28.498	10690	77	-18	18159.	RRCSM	UMTS FDD	Uplink	15:28:29.338	DCCH	MEASUREMENT_REPORT
10.	15:28:30.257	UMTS FDD	2100	Dro	6697.	15:28:29.034	10690	77		18160.	RRCSM	UMTS FDD	Uplink	15:28:29.398	DCCH	MEASUREMENT_REPORT
11.	15:30:02.228	UMTS FDD	2100	Dro	6698.	15:28:29.034	10690	77	-18.5	18161.	RRCSM	UMTS FDD	Uplink	15:28:29.498	DCCH	MEASUREMENT_REPORT
					6699.	15:28:29.338	10690	77		18162.	RRCSM	UMTS FDD	Uplink	15:28:29.569	DCCH	RADIO_BEARER_SETUP_COMPLETE
					6700.	15:28:29.338	10690	77	-18.5	18163.	RRCSM	UMTS FDD	Downlink	15:28:29.977	DCCH	MEASUREMENT_CONTROL
					6701.	15:28:29.498	10690	77		18164.	RRCSM	UMTS FDD	Downlink	15:28:30.017	DCCH	MEASUREMENT_CONTROL
					6702.	15:28:29.498	10690	77	-18.5	18165.	RRCSM	UMTS FDD	Downlink	15:28:30.057	DCCH	MEASUREMENT_CONTROL
					6703.	15:28:29.569	10690	78		18166.	RRCSM	UMTS FDD	Downlink	15:28:30.137	DCCH	DOWNLINK_DIRECT_TRANSFER
					6704.	15:28:29.569	10690	78	-17.1	18167.	L3SM	UMTS FDD	Downlink	15:28:30.137	DCCH	DISCONNECT
					6705.	15:28:30.139	10690	78		18168.	RRCSM	UMTS FDD	Uplink	15:28:30.257	DCCH	UPLINK_DIRECT_TRANSFER
					6706.	15:28:30.139	10690	78	-18.7	18169.	L3SM	UMTS FDD	Uplink	15:28:30.257	DCCH	RELEASE
					6707.	15:28:30.346	10690	78		18170.	RRCSM	UMTS FDD	Uplink	15:28:30.346	DCCH	MEASUREMENT_REPORT
					6708.	15:28:30.346	10690	78	-18.7	18171.	RRCSM	UMTS FDD	Uplink	15:28:30.498	DCCH	MEASUREMENT_REPORT
					6709.	15:28:30.498	10690	78		18172.	RRCSM	UMTS FDD	Uplink	15:28:30.668	DCCH	MEASUREMENT_REPORT
					6710.	15:28:30.498	10690	78	-18.7	18173.	RRCSM	UMTS FDD	Downlink	15:28:30.697	DCCH	RADIO_BEARER_RELEASE
					6711.	15:28:30.668	10690	78		18174.	RRCSM	UMTS FDD	Downlink	15:28:30.737	DCCH	DOWNLINK_DIRECT_TRANSFER
					6712.	15:28:30.668	10690	78	-18.7	18175.	L3SM	UMTS FDD	Downlink	15:28:30.737	DCCH	RELEASE_COMPLETE
					6713.	15:28:30.697	10690	77		18176.	RRCSM	UMTS FDD	Uplink	15:28:30.896	DCCH	MEASUREMENT_REPORT
					6714.	15:28:30.697	10690	77	-16.6	18177.	RRCSM	UMTS FDD	Uplink	15:28:31.410	DCCH	RADIO_BEARER_RELEASE_COMPLETE
					6715.	15:28:31.129	10690	77		18178.	RRCSM	UMTS FDD	Uplink	15:28:31.498	DCCH	MEASUREMENT_REPORT
					6716.	15:28:31.129	10690	77	-14.2	18179.	RRCSM	UMTS FDD	Downlink	15:28:31.657	DCCH	MEASUREMENT_CONTROL
					6717.	15:28:31.498	10690	77		18180.	RRCSM	UMTS FDD	Downlink	15:28:31.697	DCCH	MEASUREMENT_CONTROL
					6718.	15:28:31.498	10690	77	-14.2	18181.	RRCSM	UMTS FDD	Downlink	15:28:31.777	DCCH	MEASUREMENT_CONTROL
					6719.	15:28:31.657	10690	78		18182.	RRCSM	UMTS FDD	Downlink	15:28:31.817	DCCH	SIGNALLING_CONNECTION_RELEASE
					6720.	15:28:31.657	10690	78	-19	18183.	RRCSM	UMTS FDD	Downlink	15:28:31.857	DCCH	CELL_CHANGE_ORDER_FROM_UTRAN
					6721.	15:28:32.231	10690	78		18184.	RRCSM	UMTS FDD	Uplink	15:28:32.310	DCCH	CELL_CHANGE_ORDER_FROM_UTRAN_FAILURE
					6722.	15:28:32.231	10690	78	-12.9	18185.	RRCSM	UMTS FDD	Uplink	15:28:32.498	DCCH	MEASUREMENT_REPORT
					6723.	15:28:32.498	10690	78		18186.	RRCSM	UMTS FDD	Uplink	15:28:33.498	DCCH	MEASUREMENT_REPORT
					6724.	15:28:32.498	10690	78	-12.9	18187.	RRCSM	UMTS FDD	Uplink	15:28:34.498	DCCH	MEASUREMENT_REPORT

Analysis:

- This call failure event occurred on short call at 15:28:30:257 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 78 and RF condition RSCP -118.1 dBm and Ec/No -18.7 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 11 From MS7 CWS MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ac	Event ID	System	Transf. dir.	Time	Subchannel	Message name		
1.	13:57:12.575	UMTS FDD	2100	Dro	7064.				-15.1	18601.	RRCSM	UMTS FDD	Downlink	15:30:00.764	DCCH	MEASUREMENT_CONTROL	
2.	13:57:59.198	UMTS FDD	2100	Call	7065.	-110.3	15:29:57.738	10690	77		18602.	RRCSM	UMTS FDD	Downlink	15:30:00.781	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
3.	14:01:27.108	GSM	900	Call	7066.		15:29:57.738	10690	77	-17	18603.	RRCSM	UMTS FDD	Downlink	15:30:00.781	BCCH	MASTER_INFORMATION_BLOCK
4.	14:02:54.472	UMTS FDD	2100	Dro	7067.	-99.6	15:29:58.358	10690	78		18604.	RRCSM	UMTS FDD	Downlink	15:30:00.781	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
5.	14:03:40.366	UMTS FDD	2100	Dro	7068.		15:29:58.358	10690	78	-7.5	18605.	RRCSM	UMTS FDD	Downlink	15:30:01.101	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
6.	14:11:50.044	UMTS FDD	2100	Dro	7069.	-101.6	15:29:58.948	10690	78		18606.	RRCSM	UMTS FDD	Downlink	15:30:01.101	BCCH	MASTER_INFORMATION_BLOCK
7.	14:12:31.022	UMTS FDD	2100	Dro	7070.		15:29:58.948	10690	78	-10.6	18607.	RRCSM	UMTS FDD	Downlink	15:30:01.101	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
8.	15:03:31.148	UMTS FDD	2100	Dro	7071.	-107.7	15:29:59.358	10690	77		18608.	RRCSM	UMTS FDD	Downlink	15:30:01.194	DCCH	RADIO_BEARER_SETUP
9.	15:08:32.831	GSM	900	Dro	7072.		15:29:59.358	10690	77	-11.2	18609.	RRCSM	UMTS FDD	Uplink	15:30:01.252	DCCH	RADIO_BEARER_SETUP_COMPLETE
10.	15:28:30.257	UMTS FDD	2100	Dro	7073.	-104	15:30:00.008	10690	77		18610.	RRCSM	UMTS FDD	Downlink	15:30:01.776	DCCH	MEASUREMENT_CONTROL
11.	15:30:02.228	UMTS FDD	2100	Dro	7074.		15:30:00.008	10690	77	-12.9	18611.	RRCSM	UMTS FDD	Downlink	15:30:01.856	DCCH	MEASUREMENT_CONTROL
					7075.	-107.8	15:30:00.326	10690	78		18612.	RRCSM	UMTS FDD	Downlink	15:30:01.896	DCCH	MEASUREMENT_CONTROL
					7076.		15:30:00.326	10690	78	-12.4	18613.	RRCSM	UMTS FDD	Downlink	15:30:01.936	DCCH	MEASUREMENT_CONTROL
					7077.	-109.1	15:30:00.643	10690	78		18614.	RRCSM	UMTS FDD	Downlink	15:30:01.976	DCCH	MEASUREMENT_CONTROL
					7078.		15:30:00.643	10690	78	-14.7	18615.	RRCSM	UMTS FDD	Downlink	15:30:02.056	DCCH	DOWNLINK_DIRECT_TRANSFER
					7079.	-109.3	15:30:01.380	10690	77		18616.	L3SM	UMTS FDD	Downlink	15:30:02.056	DCCH	DISCONNECT
					7080.		15:30:01.380	10690	77	-16.2	18617.	RRCSM	UMTS FDD	Uplink	15:30:02.178	DCCH	MEASUREMENT_REPORT
					7081.	-112.3	15:30:02.032	10690	77		18618.	RRCSM	UMTS FDD	Uplink	15:30:02.228	DCCH	UPLINK_DIRECT_TRANSFER
					7082.		15:30:02.032	10690	77	-16.4	18619.	L3SM	UMTS FDD	Uplink	15:30:02.228	DCCH	RELEASE
					7083.	-110.1	15:30:02.606	10690	77		18620.	RRCSM	UMTS FDD	Uplink	15:30:02.278	DCCH	MEASUREMENT_REPORT
					7084.		15:30:02.606	10690	77	-15.1	18621.	RRCSM	UMTS FDD	Uplink	15:30:02.418	DCCH	MEASUREMENT_REPORT
					7085.	-109.2	15:30:03.088	10690	77		18622.	RRCSM	UMTS FDD	Downlink	15:30:02.456	DCCH	ACTIVE_SET_UPDATE
					7086.		15:30:03.088	10690	78	-14.1	18623.	RRCSM	UMTS FDD	Uplink	15:30:02.472	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					7087.	-104.3	15:30:03.696	10690	77		18624.	RRCSM	UMTS FDD	Downlink	15:30:02.575	DCCH	DOWNLINK_DIRECT_TRANSFER
					7088.		15:30:03.696	10690	77	-13.7	18625.	L3SM	UMTS FDD	Downlink	15:30:02.575	DCCH	RELEASE_COMPLETE
					7089.	-107.8	15:30:04.034	10690	77		18626.	RRCSM	UMTS FDD	Downlink	15:30:02.935	DCCH	RADIO_BEARER_RELEASE
					7090.		15:30:04.034	10690	77	-15.2	18627.	RRCSM	UMTS FDD	Uplink	15:30:03.705	DCCH	RADIO_BEARER_RELEASE_COMPLETE
					7091.	-109.7	15:30:04.638	10690	77		18628.	RRCSM	UMTS FDD	Downlink	15:30:03.975	DCCH	MEASUREMENT_CONTROL
					7092.		15:30:04.638	10690	77	-17	18629.	RRCSM	UMTS FDD	Downlink	15:30:04.015	DCCH	MEASUREMENT_CONTROL
					7093.	-109.5	15:30:04.964	10690	77		18630.	RRCSM	UMTS FDD	Downlink	15:30:04.055	DCCH	MEASUREMENT_CONTROL
					7094.		15:30:04.964	10690	77	-16.7	18631.	RRCSM	UMTS FDD	Downlink	15:30:04.095	DCCH	MEASUREMENT_CONTROL
					7095.	-112.3	15:30:05.328	10690	78		18632.	RRCSM	UMTS FDD	Downlink	15:30:04.096	DCCH	SIGNALLING_CONNECTION_RELEASE
					7096.		15:30:05.328	10690	78	-17.5	18633.	RRCSM	UMTS FDD	Downlink	15:30:04.375	DCCH	RADIO_BEARER_RECONFIGURATION
					7097.	-109.5	15:30:06.043	10690	77		18634.	RRCSM	UMTS FDD	Downlink	15:30:04.535	DCCH	MEASUREMENT_CONTROL
					7098.		15:30:06.043	10690	78	-14.9	18635.	RRCSM	UMTS FDD	Uplink	15:30:04.858	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					7099.	-108.4	15:30:06.695	10690	77		18636.	RRCSM	UMTS FDD	Downlink	15:30:05.095	DCCH	MEASUREMENT_CONTROL
					7100.		15:30:06.695	10690	77	-15.3	18637.	RRCSM	UMTS FDD	Downlink	15:30:05.176	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION

Analysis:

- This call failure event occurred on short call at 15:30:02:228 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 77 and RF condition RSCP -112.3 dBm and Ec/No -16.4 dB both are poor.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

Phase-2 Call Drop Analysis 1 From MS9 Airtel MO

	Time	System	Serving band	Cal		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	13:43:35.212	GSM	900	Vo	859.	13:43:28.584						4	2272.	L3SM	GSM	Downlink	13:43:30.457	SACCH	MEASUREMENT_INFORMATION
2.	13:49:34.828	UMTS FDD	2100	Vol	860.	13:43:29.043	-92	104	31	50000	4		2273.	L3SM	GSM	Uplink	13:43:30.503	SACCH	MEASUREMENT_REPORT
3.	14:10:01.617	UMTS FDD	900	Voi	861.	13:43:29.543						6	2274.	L3SM	GSM	Downlink	13:43:30.937	SACCH	SYSTEM_INFORMATION_TYPE_6
4.	15:30:19.647	UMTS FDD	900	Voi	862.	13:43:29.544	-94	104	31	50000	4		2275.	L3SM	GSM	Uplink	13:43:30.983	SACCH	MEASUREMENT_REPORT
					863.	13:43:30.043	-94	104	31	50000	4		2276.	L3SM	GSM	Downlink	13:43:31.417	SACCH	SYSTEM_INFORMATION_TYPE_5
					864.	13:43:30.503						3	2277.	L3SM	GSM	Uplink	13:43:31.464	SACCH	MEASUREMENT_REPORT
					865.	13:43:30.568	-88	104	31	50000	4		2278.	L3SM	GSM	Downlink	13:43:31.897	SACCH	MEASUREMENT_INFORMATION
					866.	13:43:30.983						4	2279.	L3SM	GSM	Uplink	13:43:31.943	SACCH	MEASUREMENT_REPORT
					867.	13:43:31.043	-92	104	31	50000	4		2280.	L3SM	GSM	Downlink	13:43:32.377	SACCH	SYSTEM_INFORMATION_TYPE_6
					868.	13:43:31.464						6	2281.	L3SM	GSM	Uplink	13:43:32.423	SACCH	MEASUREMENT_REPORT
					869.	13:43:31.486	-93	104	31	50000	4		2282.	L3SM	GSM	Downlink	13:43:32.857	SACCH	SYSTEM_INFORMATION_TYPE_5
					870.	13:43:31.943						1	2283.	L3SM	GSM	Uplink	13:43:32.903	SACCH	MEASUREMENT_REPORT
					871.	13:43:32.423	-95	104	31	50000	4		2284.	L3SM	GSM	Downlink	13:43:33.337	SACCH	MEASUREMENT_INFORMATION
					872.	13:43:32.423						5	2285.	L3SM	GSM	Uplink	13:43:33.383	SACCH	MEASUREMENT_REPORT
					873.	13:43:32.903	-86	104	31	50000	4		2286.	L3SM	GSM	Downlink	13:43:33.817	SACCH	SYSTEM_INFORMATION_TYPE_6
					874.	13:43:32.903						0	2287.	L3SM	GSM	Uplink	13:43:33.863	SACCH	MEASUREMENT_REPORT
					875.	13:43:33.383						4	2288.	L3SM	GSM	Downlink	13:43:34.297	SACCH	SYSTEM_INFORMATION_TYPE_5
					876.	13:43:33.863				50000	4		2289.	L3SM	GSM	Uplink	13:43:34.343	SACCH	MEASUREMENT_REPORT
					877.	13:43:33.863						5	2290.	L3SM	GSM	Downlink	13:43:34.777	SACCH	MEASUREMENT_INFORMATION
					878.	13:43:34.431	-92	104	31	50000	4		2291.	L3SM	GSM	Uplink	13:43:34.824	SACCH	MEASUREMENT_REPORT
					879.	13:43:34.824						0	2292.	L3SM	GSM	Downlink	13:43:35.212	DCCH	DISCONNECT
					880.	13:43:34.869	-86	104	31	50000	4		2293.	L3SM	GSM	Uplink	13:43:35.212	DCCH	RELEASE
					881.	13:43:35.304						7	2294.	L3SM	GSM	Downlink	13:43:35.257	SACCH	SYSTEM_INFORMATION_TYPE_6
					882.	13:43:35.608	-92	104	31	50000	4		2295.	L3SM	GSM	Uplink	13:43:35.304	SACCH	MEASUREMENT_REPORT
					883.	13:43:35.608							2296.	L3SM	GSM	Downlink	13:43:35.349	DCCH	RELEASE_COMPLETE
					884.	13:43:37.345				50000	1		2297.	L3SM	GSM	Downlink	13:43:35.469	DCCH	CHANNEL_RELEASE
					885.	13:43:37.664						0	2298.	L3SM	GSM	Downlink	13:43:36.114	BCCH	SYSTEM_INFORMATION_TYPE_4
					886.	13:43:38.135	-78	95	19	50000	1		2299.	L3SM	GSM	Downlink	13:43:36.211	BCCH	SYSTEM_INFORMATION_TYPE_3
					887.	13:43:38.606						7	2300.	L3SM	GSM	Downlink	13:43:36.551	BCCH	SYSTEM_INFORMATION_TYPE_1
					888.	13:43:39.042	-83	95	19	50000	1		2301.	L3SM	GSM	Downlink	13:43:36.551	BCCH	SYSTEM_INFORMATION_TYPE_4
					889.	13:43:39.042							2302.	L3SM	GSM	Downlink	13:43:36.552	BCCH	SYSTEM_INFORMATION_TYPE_3
					890.	13:43:39.341	-79	93	19	50000	1		2303.	L3SM	GSM	Downlink	13:43:36.700	BCCH	SYSTEM_INFORMATION_TYPE_13
					891.	13:43:40.081	-82	93	19	50000	1		2304.	L3SM	GSM	Downlink	13:43:36.917	BCCH	SYSTEM_INFORMATION_TYPE_2
					892.	13:43:40.448	-82	93	19	50000	1		2305.	L3SM	GSM	Uplink	13:43:36.931	DCCH	LOCATION_UPDATING_REQUEST
					893.	13:43:41.044	-82	93	19	50000	1		2306.	L3SM	GSM	Downlink	13:43:37.021	CCCH	IMMEDIATE_ASSIGNMENT
					894.	13:43:41.478	-82	93	19	50000	1		2307.	L3SM	GSM	Downlink	13:43:37.345	SACCH	SYSTEM_INFORMATION_TYPE_5

Analysis:

- This call drop event occurred on long call at 13:43:35:212 time when UE was latched with 2G network.
- After getting Alerting message at 13:41:49:723 time than Call drop happened.
- During the session UE was latched with ARFCN 104 and RF condition Rx Level -95 dBm is poor and Rx Qual 5 dB which is ok.
- As per the analysis call drop happened due to poor coverage of the network.

Phase-2 Call Drop Analysis 2 From MS9 Airtel MO

	Time	System	Serving band	Call type	1. best active RSCP	Time	Ch	SC	1. best ▲	Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	13:43:35.212	GSM	900	Voice call	1141, -105.9	13:49:23.520	3050	456		3395, RRCSM	UMTS FDD	Downlink	13:49:33.409	BCCH_BCH	SYSTEM_INFORMATION_BCH
2.	13:49:34.828	UMTS FDD	2100	Voice call	1142, -104	13:49:24.132	3050	456		3396, RRCSM	UMTS FDD	Downlink	13:49:33.409	BCCH	MASTER_INFORMATION_BLOCK
3.	14:10:01.617	UMTS FDD	900	Voice call	1143, -	13:49:24.132	3050	456	-24.5	3397, RRCSM	UMTS FDD	Downlink	13:49:33.429	BCCH_BCH	SYSTEM_INFORMATION_BCH
4.	15:30:19.647	UMTS FDD	900	Voice call	1144, -104.9	13:49:24.560	3050	456		3398, RRCSM	UMTS FDD	Downlink	13:49:33.449	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1145, -	13:49:24.560	3050	456	-24.9	3399, RRCSM	UMTS FDD	Downlink	13:49:33.469	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1146, -97.7	13:49:25.020	3050	456		3400, RRCSM	UMTS FDD	Downlink	13:49:33.469	BCCH	SCHEDULING_BLOCK_1
					1147, -	13:49:25.020	3050	456	-17.6	3401, RRCSM	UMTS FDD	Downlink	13:49:33.629	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1148, -104.6	13:49:25.614	3050	456		3402, RRCSM	UMTS FDD	Downlink	13:49:33.629	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
					1149, -	13:49:25.614	3050	456	-24.7	3403, RRCSM	UMTS FDD	Downlink	13:49:33.689	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1150, -104.1	13:49:26.220	3050	456		3404, RRCSM	UMTS FDD	Downlink	13:49:33.709	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1151, -	13:49:26.220	3050	456	-24.4	3405, RRCSM	UMTS FDD	Downlink	13:49:33.729	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1152, -100.4	13:49:26.600	3050	456		3406, RRCSM	UMTS FDD	Downlink	13:49:33.729	BCCH	MASTER_INFORMATION_BLOCK
					1153, -	13:49:26.600	3050	456	-20.8	3407, RRCSM	UMTS FDD	Downlink	13:49:33.749	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1154, -102.2	13:49:27.212	3050	456		3408, RRCSM	UMTS FDD	Downlink	13:49:33.769	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1155, -	13:49:27.212	3050	456	-22.8	3409, RRCSM	UMTS FDD	Downlink	13:49:33.789	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1156, -101.7	13:49:27.720	3050	456		3410, RRCSM	UMTS FDD	Downlink	13:49:34.029	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1157, -	13:49:27.720	3050	456	-22.3	3411, RRCSM	UMTS FDD	Downlink	13:49:34.049	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1158, -105.3	13:49:28.314	3050	456		3412, RRCSM	UMTS FDD	Downlink	13:49:34.049	BCCH	MASTER_INFORMATION_BLOCK
					1159, -	13:49:28.314	3050	456	-25.6	3413, RRCSM	UMTS FDD	Downlink	13:49:34.069	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1160, -97.4	13:49:28.640	3050	456		3414, RRCSM	UMTS FDD	Downlink	13:49:34.669	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1161, -	13:49:28.640	3050	456	-17.7	3415, RRCSM	UMTS FDD	Downlink	13:49:34.669	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_18
					1162, -97.4	13:49:28.901	3050	456		3416, RRCSM	UMTS FDD	Downlink	13:49:34.669	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_2
					1163, -	13:49:28.901	3050	456	-17.7	3417, RRCSM	UMTS FDD	Uplink	13:49:34.734	CCCH	CELL_UPDATE
					1164, -102.5	13:49:29.209	3050	456		3418, RRCSM	UMTS FDD	Downlink	13:49:34.749	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1165, -	13:49:29.209	3050	456	-23.1	3419, RRCSM	UMTS FDD	Downlink	13:49:34.749	BCCH	SCHEDULING_BLOCK_1
					1166, -102.5	13:49:30.171	3050	456		3420, RRCSM	UMTS FDD	Downlink	13:49:34.789	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1167, -	13:49:30.171	3050	456	-23.1	3421, RRCSM	UMTS FDD	Downlink	13:49:34.789	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					1168, -102.5	13:49:30.963	3050	456		3422, RRCSM	UMTS FDD	Downlink	13:49:34.789	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					1169, -	13:49:30.963	3050	456	-23.1	3423, RRCSM	UMTS FDD	Downlink	13:49:34.819	CCCH	RRC_CONNECTION_RELEASE_CCCH
					1170, -117	13:49:35.140	1058	440		3424, RRCSM	UMTS FDD	Downlink	13:49:34.949	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1171, -	13:49:35.140	1058	440	-19.4	3425, RRCSM	UMTS FDD	Downlink	13:49:34.949	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					1172, -115	13:49:35.475	1058	440		3426, RRCSM	UMTS FDD	Downlink	13:49:34.949	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					1173, -	13:49:35.475	1058	440	-17.7	3427, RRCSM	UMTS FDD	Downlink	13:49:34.969	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1174, -118.4	13:49:36.233	1058	440		3428, RRCSM	UMTS FDD	Downlink	13:49:34.989	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1175, -	13:49:36.233	1058	440	-21.2	3429, RRCSM	UMTS FDD	Downlink	13:49:35.009	BCCH_BCH	SYSTEM_INFORMATION_BCH
					1176, -114.7	13:49:36.537	1058	440		3430, RRCSM	UMTS FDD	Downlink	13:49:35.009	BCCH	MASTER_INFORMATION_BLOCK

Analysis:

- This call drop event occurred on long call at 13:49:34:828 time when UE was latched with 3G network.
- After getting Alerting message at 13:47:52:391 time than Call drop happened.
- During the session UE was latched with PSC 456 and RF condition RSCP -105.3 dBm and Ec/No -25.6 dB both are poor.
- As per the analysis call drop happened due to poor coverage of the network.

Phase-2 Call Drop Analysis 3 From MS9 Airtel MO

	Time	System	Serving band	Call type		1. best active RSCP	Time	Ch	SC	1. best ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	13:43:35.212	GSM	900	Voice call	4968.		14:09:56.727	3050	46	-11.4		5254.	RRCSM	UMTS FDD	Uplink	14:09:51.057	DCCH	MEASUREMENT_REPORT
2.	13:49:34.828	UMTS FDD	2100	Voice call	4969.	-82.9	14:09:57.286	3050	46			5255.	RRCSM	UMTS FDD	Downlink	14:09:51.215	DCCH	MEASUREMENT_CONTROL
3.	14:10:01.617	UMTS FDD	900	Voice call	4970.		14:09:57.286	3050	46	-11.6		5256.	RRCSM	UMTS FDD	Downlink	14:09:55.335	DCCH	RADIO_BEARER_RECONFIGURATION
4.	15:30:19.647	UMTS FDD	900	Voice call	4971.	-83.8	14:09:57.736	3050	46			5257.	RRCSM	UMTS FDD	Uplink	14:09:55.737	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					4972.		14:09:57.736	3050	46	-10.9		5258.	RRCSM	UMTS FDD	Downlink	14:09:55.935	DCCH	MEASUREMENT_CONTROL
					4973.	-83.3	14:09:58.228	3050	46			5259.	RRCSM	UMTS FDD	Downlink	14:09:58.735	DCCH	RADIO_BEARER_RECONFIGURATION
					4974.		14:09:58.228	3050	46	-11.9		5260.	RRCSM	UMTS FDD	Uplink	14:09:59.138	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					4975.	-86.5	14:09:59.045	3050	46			5261.	RRCSM	UMTS FDD	Uplink	14:09:59.156	DCCH	MEASUREMENT_REPORT
					4976.		14:09:59.045	3050	46	-12.1		5262.	RRCSM	UMTS FDD	Downlink	14:09:59.335	DCCH	MEASUREMENT_CONTROL
					4977.	-90.7	14:09:59.445	3050	46			5263.	RRCSM	UMTS FDD	Uplink	14:09:59.718	DCCH	MEASUREMENT_REPORT
					4978.		14:09:59.445	3050	46	-14.5		5264.	RRCSM	UMTS FDD	Downlink	14:09:59.935	DCCH	ACTIVE_SET_UPDATE
					4979.	-88.2	14:10:00.045	3050	46			5265.	RRCSM	UMTS FDD	Uplink	14:09:59.957	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					4980.		14:10:00.045	3050	46	-11.7		5266.	RRCSM	UMTS FDD	Downlink	14:10:00.215	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					4981.	-88.3	14:10:00.545	3050	23			5267.	RRCSM	UMTS FDD	Uplink	14:10:00.258	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					4982.		14:10:00.545	3050	23	-12.1		5268.	RRCSM	UMTS FDD	Downlink	14:10:00.575	DCCH	MEASUREMENT_CONTROL
					4983.	-90.5	14:10:01.079	3050	46			5269.	RRCSM	UMTS FDD	Downlink	14:10:01.615	DCCH	DOWNLINK_DIRECT_TRANSFER
					4984.		14:10:01.079	3050	46	-13.5		5270.	L3SM	UMTS FDD	Downlink	14:10:01.615	DCCH	DISCONNECT
					4985.	-88.7	14:10:01.505	3050	23			5271.	RRCSM	UMTS FDD	Uplink	14:10:01.617	DCCH	UPLINK_DIRECT_TRANSFER
					4986.		14:10:01.505	3050	23	-12.7		5272.	L3SM	UMTS FDD	Uplink	14:10:01.617	DCCH	RELEASE
					4987.	-91.1	14:10:02.145	3050	23			5273.	RRCSM	UMTS FDD	Downlink	14:10:01.855	DCCH	DOWNLINK_DIRECT_TRANSFER
					4988.		14:10:02.145	3050	23	-15.3		5274.	L3SM	UMTS FDD	Downlink	14:10:01.855	DCCH	RELEASE_COMPLETE
					4989.	-90.6	14:10:02.689	3050	46			5275.	RRCSM	UMTS FDD	Uplink	14:10:02.018	DCCH	MEASUREMENT_REPORT
					4990.		14:10:02.689	3050	46	-15.4		5276.	RRCSM	UMTS FDD	Downlink	14:10:02.175	DCCH	RADIO_BEARER_RELEASE
					4991.	-83.9	14:10:03.049	3050	23			5277.	RRCSM	UMTS FDD	Uplink	14:10:02.568	DCCH	RADIO_BEARER_RELEASE_COMPLETE
					4992.		14:10:03.049	3050	23	-11.8		5278.	RRCSM	UMTS FDD	Downlink	14:10:03.015	DCCH	RADIO_BEARER_RECONFIGURATION
					4993.	-86.4	14:10:03.732	3050	23			5279.	RRCSM	UMTS FDD	Uplink	14:10:03.297	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					4994.		14:10:03.732	3050	23	-15		5280.	RRCSM	UMTS FDD	Downlink	14:10:03.455	DCCH	RRC_CONNECTION_RELEASE
					4995.	-72	14:11:56.171	3050	23			5281.	RRCSM	UMTS FDD	Uplink	14:10:03.456	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					4996.		14:11:56.171	3050	23	-8.5		5282.	RRCSM	UMTS FDD	Uplink	14:10:03.496	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					4997.	-72	14:11:56.400	3050	23			5283.	RRCSM	UMTS FDD	Downlink	14:10:03.535	DCCH	RRC_CONNECTION_RELEASE
					4998.		14:11:56.400	3050	23	-5.2		5284.	RRCSM	LTE FDD	Downlink	14:10:03.709	BCCH-BCH	MasterInformationBlock
					4999.	-72	14:11:57.121	3050	23			5285.	RRCSM	LTE FDD	Downlink	14:10:03.739	BCCH-SCH	SystemInformationBlockType1
					5000.		14:11:57.121	3050	23	-5.2		5286.	RRCSM	LTE FDD	Downlink	14:10:03.794	BCCH-SCH	SystemInformation - SIB2,SIB3
					5001.	-72	14:11:57.621	3050	23			5287.	L3SM	LTE FDD	Uplink	14:10:03.813		TRACKING_AREA_UPDATE_REQUEST
					5002.		14:11:57.621	3050	23	-7.8		5288.	RRCSM	LTE FDD	Uplink	14:10:03.814	CCCH	RRCConnectionRequest
					5003.	-72	14:11:58.122	3050	23			5289.	RRCSM	LTE FDD	Downlink	14:10:03.876	CCCH	RRCConnectionSetup

Analysis:

- This call drop event occurred on long call at 14:10:01:617 time when UE was latched with 3G network.
- After getting Alerting message at 14:09:00:442 time than Call drop happened.
- During the session UE was latched with PSC 23 and RF condition RSCP - 88.7 dBm and Ec/No -12.7 dB both are ok.
- Need to check from MT end.

Phase-2 Call Drop Analysis 3 From MS10 Airtel MT

	1. best active RSCP	Time	Ch	SC	1. best ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name ▲
5764.		14:09:55.545	3050	46	-11.5	7453.	RRCSM	UMTS FDD	Uplink	14:09:53.884	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
5765.	-83.5	14:09:56.115	3050	46		7454.	RRCSM	UMTS FDD	Downlink	14:09:54.082	DCCH	MEASUREMENT_CONTROL
5766.		14:09:56.115	3050	46	-10.9	7455.	RRCSM	UMTS FDD	Uplink	14:09:54.093	DCCH	MEASUREMENT_REPORT
5767.	-86.1	14:09:56.675	3050	46		7456.	RRCSM	UMTS FDD	Downlink	14:09:54.522	DCCH	RADIO_BEARER_RECONFIGURATION
5768.		14:09:56.675	3050	46	-11.5	7457.	RRCSM	UMTS FDD	Uplink	14:09:54.924	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
5769.	-90.2	14:09:57.334	3050	46		7458.	RRCSM	UMTS FDD	Downlink	14:09:55.121	DCCH	MEASUREMENT_CONTROL
5770.		14:09:57.334	3050	46	-11.7	7459.	RRCSM	UMTS FDD	Uplink	14:09:56.265	DCCH	MEASUREMENT_REPORT
5771.	-95.4	14:09:57.789	3050	46		7460.	RRCSM	UMTS FDD	Downlink	14:09:56.521	DCCH	ACTIVE_SET_UPDATE
5772.		14:09:57.789	3050	46	-13.9	7461.	RRCSM	UMTS FDD	Uplink	14:09:56.543	DCCH	ACTIVE_SET_UPDATE_COMPLETE
5773.	-96.6	14:09:58.327	3050	23		7462.	RRCSM	UMTS FDD	Downlink	14:09:56.801	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
5774.		14:09:58.327	3050	23	-17.2	7463.	RRCSM	UMTS FDD	Uplink	14:09:56.843	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
5775.	-88.3	14:09:58.842	3050	46		7464.	RRCSM	UMTS FDD	Downlink	14:09:57.161	DCCH	MEASUREMENT_CONTROL
5776.		14:09:58.842	3050	46	-12.5	7465.	RRCSM	UMTS FDD	Downlink	14:09:58.761	DCCH	RADIO_BEARER_RECONFIGURATION
5777.	-88.6	14:09:59.164	3050	46		7466.	RRCSM	UMTS FDD	Uplink	14:09:59.164	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
5778.		14:09:59.164	3050	46	-12.5	7467.	RRCSM	UMTS FDD	Downlink	14:09:59.362	DCCH	MEASUREMENT_CONTROL
5779.	-90.6	14:09:59.644	3050	46		7468.	RRCSM	UMTS FDD	Uplink	14:10:00.014	DCCH	MEASUREMENT_REPORT
5780.		14:09:59.644	3050	46	-12.9	7469.	RRCSM	UMTS FDD	Uplink	14:10:00.133	DCCH	MEASUREMENT_REPORT
5781.	-97.9	14:10:00.393	3050	23		7470.	RRCSM	UMTS FDD	Downlink	14:10:00.362	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
5782.		14:10:00.393	3050	23	-18.1	7471.	RRCSM	UMTS FDD	Uplink	14:10:00.403	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
5783.	-93.7	14:10:00.926	3050	23		7472.	RRCSM	UMTS FDD	Downlink	14:10:01.002	DCCH	MEASUREMENT_CONTROL
5784.		14:10:00.926	3050	23	-14.9	7473.	RRCSM	UMTS FDD	Uplink	14:10:01.133	DCCH	MEASUREMENT_REPORT
5785.	-87.5	14:10:01.104	3050	23		7474.	RRCSM	UMTS FDD	Downlink	14:10:01.242	DCCH	DOWNLINK_DIRECT_TRANSFER
5786.		14:10:01.104	3050	23	-9.5	7475.	L3SM	UMTS FDD	Downlink	14:10:01.242	DCCH	DISCONNECT
5787.	-90.3	14:10:01.914	3050	23		7476.	RRCSM	UMTS FDD	Uplink	14:10:01.243	DCCH	UPLINK_DIRECT_TRANSFER
5788.		14:10:01.914	3050	23	-14.1	7477.	L3SM	UMTS FDD	Uplink	14:10:01.243	DCCH	RELEASE
5789.	-88.6	14:10:02.450	3050	23		7478.	RRCSM	UMTS FDD	Downlink	14:10:01.482	DCCH	DOWNLINK_DIRECT_TRANSFER
5790.		14:10:02.450	3050	23	-13.6	7479.	L3SM	UMTS FDD	Downlink	14:10:01.482	DCCH	RELEASE_COMPLETE
5791.	-88.6	14:10:02.512	3050	23		7480.	RRCSM	UMTS FDD	Uplink	14:10:02.133	DCCH	MEASUREMENT_REPORT
5792.		14:10:02.512	3050	23	-13.6	7481.	RRCSM	UMTS FDD	Uplink	14:10:02.308	DCCH	MEASUREMENT_REPORT
5793.	-88.6	14:10:02.822	3050	23		7482.	RRCSM	UMTS FDD	Uplink	14:10:02.512	DCCH	MEASUREMENT_REPORT
5794.		14:10:02.822	3050	23	-13.6	7483.	RRCSM	UMTS FDD	Downlink	14:10:02.521	DCCH	RADIO_BEARER_RELEASE
5795.	-93.1	14:10:02.964	3050	23		7484.	RRCSM	UMTS FDD	Uplink	14:10:02.822	DCCH	MEASUREMENT_REPORT
5796.		14:10:02.964	3050	23	-17.6	7485.	RRCSM	UMTS FDD	Uplink	14:10:02.873	DCCH	RADIO_BEARER_RELEASE_COMPLETE
5797.	-93.1	14:10:03.172	3050	23		7486.	RRCSM	UMTS FDD	Downlink	14:10:03.081	DCCH	MEASUREMENT_CONTROL
5798.		14:10:03.172	3050	23	-17.6	7487.	RRCSM	UMTS FDD	Downlink	14:10:03.161	DCCH	MEASUREMENT_CONTROL
5799.	-91.3	14:10:03.432	3050	23		7488.	RRCSM	UMTS FDD	Uplink	14:10:03.172	DCCH	MEASUREMENT_REPORT

Analysis:

- During the session UE was latched with PSC 23 and RF condition RSCP - 87.5 dBm and Ec/No -9.5 dB both are ok.
- On both MO And MT Side, RF Conditions seems OK Also there is no abnormal message regarding drop.
- Need to check from Network End.

Phase-2 Call Drop Analysis 4 From MS9 Airtel MO

	Time	System	Serving band	Call type		1. best active RSCP	Time	Ch	SC	1. best ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	13:43:35.212	GSM	900	Voice call	9034.	-72.3	15:30:14.288	3050	146		11359.	RRCSM	UMTS FDD	Uplink	15:29:33.796	DCCH	MEASUREMENT_REPORT
2.	13:49:34.828	UMTS FDD	2100	Voice call	9035.		15:30:14.288	3050	146	-4.1	11360.	RRCSM	UMTS FDD	Downlink	15:29:34.125	DCCH	SECURITY_MODE_COMMAND
3.	14:10:01.617	UMTS FDD	900	Voice call	9036.	-68.8	15:30:14.756	3050	146		11361.	RRCSM	UMTS FDD	Uplink	15:29:34.126	DCCH	SECURITY_MODE_COMPLETE
4.	15:30:19.647	UMTS FDD	900	Voice call	9037.		15:30:14.756	3050	146	-3.6	11362.	RRCSM	UMTS FDD	Downlink	15:29:34.845	DCCH	RADIO_BEARER_SETUP
					9038.	-68	15:30:15.316	3050	146		11363.	RRCSM	UMTS FDD	Uplink	15:29:35.248	DCCH	RADIO_BEARER_SETUP_COMPLETE
					9039.		15:30:15.316	3050	146	-4.4	11364.	RRCSM	UMTS FDD	Downlink	15:29:35.485	DCCH	DOWNLINK_DIRECT_TRANSFER
					9040.	-65.1	15:30:15.962	3050	146		11365.	L3SM	UMTS FDD	Downlink	15:29:35.485	DCCH	MODIFY_PDP_CONTEXT_REQUEST
					9041.		15:30:15.962	3050	146	-3.2	11366.	RRCSM	UMTS FDD	Uplink	15:29:35.486	DCCH	UPLINK_DIRECT_TRANSFER
					9042.	-66.9	15:30:16.255	3050	146		11367.	L3SM	UMTS FDD	Uplink	15:29:35.486	DCCH	MODIFY_PDP_CONTEXT_ACCEPT
					9043.		15:30:16.255	3050	146	-3.2	11368.	RRCSM	UMTS FDD	Downlink	15:29:43.125	DCCH	RADIO_BEARER_RECONFIGURATION
					9044.	-63.4	15:30:16.975	3050	146		11369.	RRCSM	UMTS FDD	Uplink	15:29:43.527	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					9045.		15:30:16.975	3050	146	-3.3	11370.	RRCSM	UMTS FDD	Downlink	15:29:43.725	DCCH	MEASUREMENT_CONTROL
					9046.	-61	15:30:17.537	3050	146		11371.	RRCSM	UMTS FDD	Uplink	15:30:06.197	DCCH	MEASUREMENT_REPORT
					9047.		15:30:17.537	3050	146	-3.2	11372.	RRCSM	UMTS FDD	Downlink	15:30:06.605	DCCH	RADIO_BEARER_RECONFIGURATION
					9048.	-57	15:30:17.995	3050	146		11373.	RRCSM	UMTS FDD	Uplink	15:30:07.008	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					9049.		15:30:17.995	3050	146	-3.3	11374.	RRCSM	UMTS FDD	Downlink	15:30:07.205	DCCH	MEASUREMENT_CONTROL
					9050.	-53.9	15:30:18.516	3050	146		11375.	RRCSM	UMTS FDD	Downlink	15:30:13.125	DCCH	RADIO_BEARER_RECONFIGURATION
					9051.		15:30:18.516	3050	146	-3.1	11376.	RRCSM	UMTS FDD	Uplink	15:30:13.517	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					9052.	-57.8	15:30:18.976	3050	146		11377.	RRCSM	UMTS FDD	Downlink	15:30:19.565	DCCH	DOWNLINK_DIRECT_TRANSFER
					9053.		15:30:18.976	3050	146	-3.6	11378.	L3SM	UMTS FDD	Downlink	15:30:19.565	DCCH	DISCONNECT
					9054.	-56.6	15:30:19.516	3050	146		11379.	RRCSM	UMTS FDD	Uplink	15:30:19.566	DCCH	UPLINK_DIRECT_TRANSFER
					9055.		15:30:19.516	3050	146	-3.4	11380.	L3SM	UMTS FDD	Uplink	15:30:19.566	DCCH	RELEASE
					9056.	-56.8	15:30:20.110	3050	146		11381.	RRCSM	UMTS FDD	Downlink	15:30:19.805	DCCH	DOWNLINK_DIRECT_TRANSFER
					9057.		15:30:20.110	3050	146	-3	11382.	L3SM	UMTS FDD	Downlink	15:30:19.805	DCCH	RELEASE_COMPLETE
					9058.	-112.2	15:32:16.003	1056	138		11383.	RRCSM	UMTS FDD	Downlink	15:30:19.965	DCCH	RRC_CONNECTION_RELEASE
					9059.		15:32:16.003	1056	138	-14.1	11384.	RRCSM	UMTS FDD	Uplink	15:30:19.965	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					9060.	-108.2	15:32:16.677	1056	138		11385.	RRCSM	UMTS FDD	Downlink	15:30:20.005	DCCH	RRC_CONNECTION_RELEASE
					9061.		15:32:16.677	1056	138	-10.6	11386.	RRCSM	UMTS FDD	Uplink	15:30:20.006	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					9062.	-107.2	15:32:16.979	1056	138		11387.	RRCSM	UMTS FDD	Downlink	15:30:20.045	DCCH	RRC_CONNECTION_RELEASE
					9063.		15:32:16.979	1056	138	-9.8	11388.	RRCSM	LTE FDD	Downlink	15:30:20.199	BCCH-BCH	MasterInformationBlock
					9064.	-106.5	15:32:17.497	1056	130		11389.	RRCSM	LTE FDD	Downlink	15:30:20.223	BCCH-SCH	SystemInformationBlockType1
					9065.		15:32:17.497	1056	130	-10	11390.	RRCSM	LTE FDD	Downlink	15:30:20.223	BCCH-SCH	SystemInformation - SIB2,SIB3
					9066.	-109.2	15:32:18.044	1056	138		11391.	L3SM	LTE FDD	Uplink	15:30:20.245		TRACKING_AREA_UPDATE_REQUEST
					9067.		15:32:18.044	1056	130	-13.3	11392.	RRCSM	LTE FDD	Uplink	15:30:20.245	CCCH	RRCConnectionRequest
					9068.	-107.4	15:32:18.497	1056	138		11393.	RRCSM	LTE FDD	Downlink	15:30:20.300	CCCH	RRCConnectionSetup
					9069.		15:32:18.497	1056	138	-12.7	11394.	RRCSM	LTE FDD	Uplink	15:30:20.304	DCCH	RRCConnectionSetupComplete

Analysis:

- This call drop event occurred on long call at 15:30:19:647 time when UE was latched with 3G network.
- After getting Alerting message at 15:29:18:885 time than Call drop happened.
- During the session UE was latched with PSC 146 and RF condition RSCP -56.6 dBm and Ec/No -3.4 dB both are ok.
- Need to check from MT end.

Phase-2 Call Drop Analysis 4 From MS10 Airtel MT

	1. best active RSCP	Time	Ch	SC	1. best ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name ▲
11200.		15:30:13.181	3050	146	-2.9	16267.	RRCSM	UMTS FDD	Downlink	15:30:00.310	DCCH	MEASUREMENT_CONTROL
11201.	-75.7	15:30:13.601	3050	146		16268.	RRCSM	UMTS FDD	Downlink	15:30:04.470	DCCH	RADIO_BEARER_RECONFIGURATION
11202.		15:30:13.601	3050	146	-4.9	16269.	RRCSM	UMTS FDD	Uplink	15:30:04.832	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
11203.	-72.9	15:30:14.282	3050	146		16270.	RRCSM	UMTS FDD	Downlink	15:30:05.030	DCCH	MEASUREMENT_CONTROL
11204.		15:30:14.282	3050	146	-4.1	16271.	RRCSM	UMTS FDD	Uplink	15:30:06.541	DCCH	MEASUREMENT_REPORT
11205.	-79	15:30:14.679	3050	146		16272.	RRCSM	UMTS FDD	Downlink	15:30:06.950	DCCH	RADIO_BEARER_RECONFIGURATION
11206.		15:30:14.679	3050	146	-5.5	16273.	RRCSM	UMTS FDD	Uplink	15:30:07.354	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
11207.	-70.6	15:30:15.513	3050	146		16274.	RRCSM	UMTS FDD	Downlink	15:30:07.549	DCCH	MEASUREMENT_CONTROL
11208.		15:30:15.513	3050	146	-4.7	16275.	RRCSM	UMTS FDD	Downlink	15:30:12.189	DCCH	RADIO_BEARER_RECONFIGURATION
11209.	-68.2	15:30:16.011	3050	146		16276.	RRCSM	UMTS FDD	Uplink	15:30:12.591	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
11210.		15:30:16.011	3050	146	-3.8	16277.	RRCSM	UMTS FDD	Downlink	15:30:12.789	DCCH	MEASUREMENT_CONTROL
11211.	-71.2	15:30:16.511	3050	146		16278.	RRCSM	UMTS FDD	Uplink	15:30:14.730	DCCH	MEASUREMENT_REPORT
11212.		15:30:16.511	3050	146	-3.4	16279.	RRCSM	UMTS FDD	Downlink	15:30:15.109	DCCH	RADIO_BEARER_RECONFIGURATION
11213.	-58	15:30:17.131	3050	146		16280.	RRCSM	UMTS FDD	Uplink	15:30:15.513	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
11214.		15:30:17.131	3050	146	-3	16281.	RRCSM	UMTS FDD	Downlink	15:30:15.708	DCCH	MEASUREMENT_CONTROL
11215.	-53.3	15:30:17.572	3050	146		16282.	RRCSM	UMTS FDD	Downlink	15:30:19.229	DCCH	DOWNLINK_DIRECT_TRANSFER
11216.		15:30:17.572	3050	146	-2.9	16283.	L3SM	UMTS FDD	Downlink	15:30:19.229	DCCH	DISCONNECT
11217.	-54.5	15:30:18.212	3050	146		16284.	RRCSM	UMTS FDD	Uplink	15:30:19.229	DCCH	UPLINK_DIRECT_TRANSFER
11218.		15:30:18.212	3050	146	-3.4	16285.	L3SM	UMTS FDD	Uplink	15:30:19.229	DCCH	RELEASE
11219.	-54.1	15:30:18.492	3050	146		16286.	RRCSM	UMTS FDD	Downlink	15:30:19.468	DCCH	DOWNLINK_DIRECT_TRANSFER
11220.		15:30:18.492	3050	146	-3	16287.	L3SM	UMTS FDD	Downlink	15:30:19.468	DCCH	RELEASE_COMPLETE
11221.	-61.8	15:30:19.111	3050	146		16288.	RRCSM	UMTS FDD	Downlink	15:30:19.629	DCCH	RRC_CONNECTION_RELEASE
11222.		15:30:19.111	3050	146	-3.7	16289.	RRCSM	UMTS FDD	Uplink	15:30:19.629	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
11223.	-101.8	15:32:18.110	1058	130		16290.	RRCSM	UMTS FDD	Downlink	15:30:19.668	DCCH	RRC_CONNECTION_RELEASE
11224.		15:32:18.110	1058	130	-7.9	16291.	RRCSM	UMTS FDD	Uplink	15:30:19.669	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
11225.	-101.3	15:32:18.359	1058	130		16292.	RRCSM	UMTS FDD	Downlink	15:30:19.708	DCCH	RRC_CONNECTION_RELEASE
11226.		15:32:18.359	1058	130	-7.6	16293.	RRCSM	LTE FDD	Downlink	15:30:19.851	BCCH-BCH	MasterInformationBlock
11227.	-111.8	15:32:18.978	1058	130		16294.	RRCSM	LTE FDD	Downlink	15:30:19.865	BCCH-SCH	SystemInformationBlockType1
11228.		15:32:18.978	1058	130	-16	16295.	RRCSM	LTE FDD	Downlink	15:30:19.865	BCCH-SCH	SystemInformation - SIB2, SIB3
11229.	-103.7	15:32:19.309	1058	138		16296.	L3SM	LTE FDD	Uplink	15:30:19.886		TRACKING_AREA_UPDATE_REQUEST
11230.		15:32:19.309	1058	138	-8.3	16297.	RRCSM	LTE FDD	Uplink	15:30:19.886	CCCH	RRConnectionRequest
11231.	-109.8	15:32:20.099	1058	138		16298.	RRCSM	LTE FDD	Downlink	15:30:19.922	CCCH	RRConnectionSetup
11232.		15:32:20.099	1058	138	-12.1	16299.	RRCSM	LTE FDD	Uplink	15:30:19.926	DCCH	RRConnectionSetupComplete
11233.	-105.2	15:32:20.712	1058	130		16300.	RRCSM	LTE FDD	Downlink	15:30:20.100	DCCH	DLInformationTransfer
11234.		15:32:20.712	1058	130	-7.9	16301.	L3SM	LTE FDD	Downlink	15:30:20.100		AUTHENTICATION_REQUEST
11235.	-106.3	15:32:21.110	1058	130		16302.	L3SM	LTE FDD	Uplink	15:30:20.242		AUTHENTICATION_RESPONSE

Analysis:

- During the session UE was latched with PSC 146 and RF condition RSCP -61.8 dBm and Ec/No -3.7 dB both are ok.
- On both MO And MT Side, RF Conditions seems OK Also there is no abnormal message regarding drop.
- Need to check from Network End.

Phase-2 Call Drop Analysis 1 From MS11 CWS MO

	Time	System	Serving band	Call type	Cal		Time	RxLev	sub	ARFCN	BSIC	LAC	RAC	RXQ s		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	14:10:27.319	GSM	900	Voice call	Orig	2230.	14:10:11.983							7		5973.	L3SM	GSM	Uplink	14:10:15.343	SACCH	MEASUREMENT_REPORT
						2231.	14:10:12.989	-98		24	10	1				5974.	L3SM	GSM	Uplink	14:10:15.823	SACCH	MEASUREMENT_REPORT
						2232.	14:10:13.990	-99		24	10	1				5975.	L3SM	GSM	Uplink	14:10:16.303	SACCH	MEASUREMENT_REPORT
						2233.	14:10:14.434	-98		24	10	1				5976.	L3SM	GSM	Uplink	14:10:16.783	SACCH	MEASUREMENT_REPORT
						2234.	14:10:14.890	-97		24	10	1				5977.	L3SM	GSM	Uplink	14:10:17.263	SACCH	MEASUREMENT_REPORT
						2235.	14:10:15.343	-98		24	10	1				5978.	L3SM	GSM	Uplink	14:10:17.743	SACCH	MEASUREMENT_REPORT
						2236.	14:10:16.109	-98		24	10	1				5979.	L3SM	GSM	Uplink	14:10:18.223	SACCH	MEASUREMENT_REPORT
						2237.	14:10:16.427	-98		24	10	1				5980.	L3SM	GSM	Uplink	14:10:18.703	SACCH	MEASUREMENT_REPORT
						2238.	14:10:17.027	-98		24	10	1				5981.	L3SM	GSM	Uplink	14:10:19.183	SACCH	MEASUREMENT_REPORT
						2239.	14:10:17.447	-98		24	10	1				5982.	L3SM	GSM	Uplink	14:10:19.663	SACCH	MEASUREMENT_REPORT
						2240.	14:10:18.049	-99		24	10	1				5983.	L3SM	GSM	Uplink	14:10:20.143	SACCH	MEASUREMENT_REPORT
						2241.	14:10:18.467	-98		24	10	1				5984.	L3SM	GSM	Uplink	14:10:20.623	SACCH	MEASUREMENT_REPORT
						2242.	14:10:19.183	-98		24	10	1				5985.	L3SM	GSM	Uplink	14:10:21.103	SACCH	MEASUREMENT_REPORT
						2243.	14:10:19.663	-99		24	10	1				5986.	L3SM	GSM	Uplink	14:10:21.583	SACCH	MEASUREMENT_REPORT
						2244.	14:10:20.233	-98		24	10	1				5987.	L3SM	GSM	Uplink	14:10:22.063	SACCH	MEASUREMENT_REPORT
						2245.	14:10:20.706	-100		24	10	1				5988.	L3SM	GSM	Uplink	14:10:22.543	SACCH	MEASUREMENT_REPORT
						2246.	14:10:21.154	-98		24	10	1				5989.	L3SM	GSM	Uplink	14:10:23.023	SACCH	MEASUREMENT_REPORT
						2247.	14:10:21.689	-98		24	10	1				5990.	L3SM	GSM	Uplink	14:10:23.503	SACCH	MEASUREMENT_REPORT
						2248.	14:10:22.187	-99		24	10	1				5991.	L3SM	GSM	Uplink	14:10:23.983	SACCH	MEASUREMENT_REPORT
						2249.	14:10:22.992	-98		24	10	1				5992.	L3SM	GSM	Uplink	14:10:24.463	SACCH	MEASUREMENT_REPORT
						2250.	14:10:23.290	-99		24	10	1				5993.	L3SM	GSM	Uplink	14:10:24.943	SACCH	MEASUREMENT_REPORT
						2251.	14:10:24.010	-99		24	10	1				5994.	L3SM	GSM	Uplink	14:10:25.423	SACCH	MEASUREMENT_REPORT
						2252.	14:10:24.991	-98		24	10	1				5995.	L3SM	GSM	Uplink	14:10:25.876	DCCH	CM_RE-ESTABLISHMENT_REQUEST
						2253.	14:10:25.524	-98		24	10	1				5996.	L3SM	GSM	Downlink	14:10:26.241	BCCH	SYSTEM_INFORMATION_TYPE_3
						2254.	14:10:25.989									5997.	L3SM	GSM	Downlink	14:10:27.177	BCCH	SYSTEM_INFORMATION_TYPE_3
						2255.	14:10:29.046	-98		24	10	1	0			5998.	L3SM	GSM	Downlink	14:10:27.412	BCCH	SYSTEM_INFORMATION_TYPE_4
						2256.	14:10:29.500	-88		5	43	1	0			5999.	L3SM	GSM	Downlink	14:10:27.499	CCCH	PAGING_REQUEST_TYPE_1
						2257.	14:10:30.154	-88		5	43	1	0			6000.	L3SM	GSM	Downlink	14:10:27.647	BCCH	SYSTEM_INFORMATION_TYPE_1
						2258.	14:10:30.874	-89		5	43	1	0			6001.	L3SM	GSM	Downlink	14:10:27.882	BCCH	SYSTEM_INFORMATION_TYPE_2
						2259.	14:10:31.050	-89		5	43	1	0			6002.	L3SM	GSM	Downlink	14:10:28.118	BCCH	SYSTEM_INFORMATION_TYPE_3
						2260.	14:10:31.775	-89		5	43	1	0			6003.	L3SM	GSM	Downlink	14:10:28.353	BCCH	SYSTEM_INFORMATION_TYPE_4
						2261.	14:10:32.203	-89		5	43	1	0			6004.	L3SM	GSM	Downlink	14:10:28.589	BCCH	SYSTEM_INFORMATION_TYPE_13
						2262.	14:10:32.983	-89		5	43	1	0			6005.	L3SM	GSM	Uplink	14:10:28.604	PDTCH	ROUTING_AREA_UPDATE_REQUEST
						2263.	14:10:33.122	-89		5	43	1	0			6006.	L3SM	GSM	Downlink	14:10:28.647	CCCH	PAGING_REQUEST_TYPE_2
						2264.	14:10:34.017	-88		5	43	1	0			6007.	L3SM	GSM	Downlink	14:10:28.693	CCCH	IMMEDIATE_ASSIGNMENT
						2265.	14:10:34.243	-88		5	43	1	0			6008.	MACSM	GSM	Uplink	14:10:28.771	PACCH	PACKET_RESOURCE_REQUEST
						2266.	14:10:34.987	-88		5	43	1	0			6009.	MACSM	GSM	Downlink	14:10:28.872	PAGCH	PACKET_UPLINK_ASSIGNMENT

Analysis:

- This call drop event occurred on long call at 14:10:27:319 time when UE was latched with 2G network.
- After getting Alerting message at 14:09:12:768 time than Call drop happened.
- During the session UE was latched with ARFCN 24 and RF condition Rx Level -98 dBm is poor and Rx Qual 0 dB which is ok.
- As per the analysis call drop happened due to poor coverage of the network.

THANKS