

Seychelles Test Drive

Anse Royale Phase-2 Report



Phase-1 Dates- 10th Oct to 14th Oct 2024



Route Name: Mahe

District Name: Anse Royale

Region: Southern

Island: Mahé

Drive Test Distance: 33.84 kms

Drive Test Duration: 02 hours,18 minutes,54 seconds

Phase-2 Dates- 18th Oct 2024



Route Name: Mahe

District Name: Anse Royale

Region: Southern

Island: Mahé

Drive Test Distance: 34.99 kms

Drive Test Duration: 02 hours,18 minutes,53 seconds

Phase-1**Short Call Findings:**

- The Call Setup Success Rate for Airtel is (98.87%), while for Operator CWS it is (99.43%).
- The Call Setup Time for Airtel is (6.31s), while for Operator CWS it is (6.06s)

Long Call Findings :

- The Call Retainability for Airtel is (97.92%), while for CWS it is (97.92%).
- The MOS quality observed for Airtel is (3.46), and for CWS, it is (3.20).

Phase-2**Short Call Findings:**

- The Call Setup Success Rate for Airtel is (98.87%), while for Operator CWS it is (99.43%).
- The Call Setup Time for Airtel is (6.64s), while for Operator CWS it is (6.44s)

Long Call Findings :

- The Call Retainability for Airtel is (95.56%), while for CWS it is (93.48%).
- The MOS quality observed for Airtel is (3.16), and for CWS, it is (3.44).

Phase-1

4G Preferred Data Findings:

- Airtel SFTP DL is (12.87 Mbps), while SFTP UL is (6.13 Mbps), CWS SFTP DL is (6.88 Mbps), while SFTP UL is (3.94 Mbps)
- Airtel HTTP DL is (17.24 Mbps), HTTP Capacity DL is (42.87 Mbps) ,HTTP UL is (9.51 Mbps) , and HTTP Capacity UL is (18.17 Mbps).
- CWS HTTP DL is (8.61 Mbps), HTTP Capacity DL is (19.05 Mbps) ,HTTP UL is (7.49 Mbps) , and HTTP Capacity UL is (14.22 Mbps).
- On live web page testing for browsing, www.shein.com took (6.53s), www.nbs.gov.sc took (16.95s), and www.sbc.sc took (17.41s) on Airtel.
- On live web page testing for browsing, www.shein.com took (5.60s), www.nbs.gov.sc took (15.61s), and www.sbc.sc took (14.85s) on CWS.
- On static browsing, Kepler Webpage took (4.22s), and Kepler Mobile took (1.80s) on Airtel.
- On static browsing, Kepler Webpage took (4.53s), and Kepler Mobile took (3.03s) on CWS.
- YouTube average resolution in Airtel is (1080.00) pixels.
- YouTube average resolution in CWS is (1080.00) pixels.
- Airtel scored 50.34% in Carrier Aggregation (CA).
- CWS scored 43.61% in Carrier Aggregation (CA).

Phase-2

4G Preferred Data Findings:

- Airtel SFTP DL is (9.96 Mbps), while SFTP UL is (3.65 Mbps), CWS SFTP DL is (5.68 Mbps), while SFTP UL is (3.57 Mbps)
- Airtel HTTP DL is (13.30 Mbps), HTTP Capacity DL is (39.12 Mbps) ,HTTP UL is (6.61 Mbps) , and HTTP Capacity UL is (19.86 Mbps).
- CWS HTTP DL is (6.89 Mbps), HTTP Capacity DL is (24.68 Mbps) ,HTTP UL is (6.10 Mbps) , and HTTP Capacity UL is (16.10 Mbps).
- On live web page testing for browsing, www.shein.com took (7.54s), www.nbs.gov.sc took (17.39s), and www.sbc.sc took (17.58s) on Airtel.
- On live web page testing for browsing, www.shein.com took (8.36s), www.nbs.gov.sc took (27.23s), and www.sbc.sc took (19.26s) on CWS.
- On static browsing, Kepler Webpage took (6.00s), and Kepler Mobile took (2.85s) on Airtel.
- On static browsing, Kepler Webpage took (5.89s), and Kepler Mobile took (3.36s) on CWS.
- YouTube average resolution in Airtel is (1080.00) pixels.
- YouTube average resolution in CWS is (1071.93) pixels.
- Airtel scored 54.27% in Carrier Aggregation (CA).
- CWS scored 39.83% in Carrier Aggregation (CA).

Phase-1

3G Preferred Data Test Findings:

- Airtel SFTP DL is (3.73 Mbps), while SFTP UL is (1.47 Mbps), CWS SFTP DL is (3.60 Mbps), while SFTP UL is (1.08 Mbps)
- Airtel HTTP DL is (3.92 Mbps), HTTP Capacity DL is (4.99 Mbps) ,HTTP UL is (1.96 Mbps) , and HTTP Capacity UL is (4.09 Mbps).
- CWS HTTP DL is (3.33 Mbps), HTTP Capacity DL is (9.83 Mbps) ,HTTP UL is (2.04 Mbps) , and HTTP Capacity UL is (4.13 Mbps).
- On live web page testing for browsing, www.shein.com took (10.79s), www.nbs.gov.sc took (14.84s), and www.sbc.sc took (18.67s) on Airtel.
- On live web page testing for browsing, www.shein.com took (9.72s), www.nbs.gov.sc took (8.29s), and www.sbc.sc took (11.56s) on CWS.
- On static browsing, Kepler Webpage took (4.61s), and Kepler Mobile took (2.20s) on Airtel.
- On static browsing, Kepler Webpage took (5.45s), and Kepler Mobile took (2.65s) on CWS.
- YouTube average resolution in Airtel is (1030.45) pixels.
- YouTube average resolution in CWS is (1078.06) pixels.

Phase-2

3G Preferred Data Test Findings:

- Airtel SFTP DL is (2.85 Mbps), while SFTP UL is (1.17 Mbps), CWS SFTP DL is (2.65 Mbps), while SFTP UL is (0.85 Mbps)
- Airtel HTTP DL is (3.10 Mbps), HTTP Capacity DL is (4.22 Mbps) ,HTTP UL is (1.37 Mbps) , and HTTP Capacity UL is (4.07 Mbps).
- CWS HTTP DL is (2.58 Mbps), HTTP Capacity DL is (6.17 Mbps) ,HTTP UL is (1.30 Mbps) , and HTTP Capacity UL is (4.24 Mbps).
- On live web page testing for browsing, www.shein.com took (11.07s), www.nbs.gov.sc took (12.22s), and www.sbc.sc took (13.95s) on Airtel.
- On live web page testing for browsing, www.shein.com took (8.67s), www.nbs.gov.sc took (11.00s), and www.sbc.sc took (11.30s) on CWS.
- On static browsing, Kepler Webpage took (6.03s), and Kepler Mobile took (2.73s) on Airtel.
- On static browsing, Kepler Webpage took (6.02s), and Kepler Mobile took (2.73s) on CWS.
- YouTube average resolution in Airtel is (966.60) pixels.
- YouTube average resolution in CWS is (1024.08) 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 135s	FTP DL (3MB) wait 10s	FTP DL (5MB) wait 10s
2	FILE TRANSFER UPLOAD 135s	FTP UL (1MB) wait 10s	FTP UL (3MB) wait 10s
3	FILE TRANSFER DOWNLOAD 135s	HTTP Get (3MB) wait 10s	HTTP Get (5MB) wait 10s
4	FILE TRANSFER UPLOAD 135s	HTTP Put (1MB) wait 10s	HTTP Put (3MB) wait 10s
5	ICMP PING 32 BYTES	Ping (32 bytes) *5 wait 10s	Ping (32 bytes) *5 wait 10s
6	YOUTUBE STREAMING 95 seconds	Video: YouTube 60sec wait 10s	Video: YouTube 60sec wait 10s
7	KEPLER WEB BROWSING 45s	HTTPS Browsing: Kepler wait 10s	HTTPS Browsing: Kepler wait 10s
8	LIVE WEB BROWSING 45s	www.shein.com, www.nbs.gov.sc, www.sbc.sc wait 10s	www.shein.com, www.nbs.gov.sc, www.sbc.sc wait 10s
9	KEPLER MOBILE WEB BROWSING 45s	HTTPS Browsing: Kepler Mobile wait 10s	HTTPS Browsing: Kepler Mobile wait 10s
10	ICMP PING 32 BYTES	Ping (32 bytes) 5 www.google.com wait 10s	Ping (32 bytes) 5 www.google.com wait 10s
11	FILE TRANSFER-CAPACITY DOWNLOAD 10s fixed duration	HTTP Get (500MB) Multiple files wait 10s	HTTP Get (500MB) Multiple files wait 10s
12	FILE TRANSFER-CAPACITY UPLOAD 10s fixed duration	HTTP Put (500MB)-Multiple Files wait 10s	HTTP Put (500MB)-Multiple Files 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	177	174
Call Failed	2	1
Call Connected	175	173
CSSR[%]	98.87	99.43
USCSR[%]	1.13	0.57
CST [s] Alerting	6.31	6.06
CST [s]Connected	6.59	6.27

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

Call Setup Time (s)	Operators		Rank	
	Airtel	CWS	Airtel	CWS
Overall CST (until ringing/alerting)	6.31	6.06	2	1
CS calls CST (until ringing/alerting)	6.83		1	#N/A
CSFB calls CST (until ringing/alerting)	6.27	6.06	2	1
Overall CST (until Connect/Connect Acknowledge)	6.59	6.27	2	1
CS calls CST (until Connect/Connect Acknowledge)	7.11		1	#N/A
CSFB calls CST (until Connect/Connect Acknowledge)	6.55	6.27	2	1

Phase-2

Short Call Statistics		
Short Call Scenario	Operator 1	Operator 2
Voice KPIs	Airtel	CWS
Call Attempt	177	175
Call Failed	2	1
Call Connected	175	174
CSSR[%]	98.87	99.43
USCSR	1.13	0.57
CST [s] Alerting	6.64	6.44
CST [s]Connected	6.95	6.63

Call Setup Time (s)	Operators		Rank	
	Airtel	CWS	Airtel	CWS
Overall CST (until ringing/alerting)	6.64	6.44	2	1
CS calls CST (until ringing/alerting)	6.89	14.86	1	2
CSFB calls CST (until ringing/alerting)	6.52	6.34	2	1
Overall CST (until Connect/Connect Acknowledge)	6.95	6.63	2	1
CS calls CST (until Connect/Connect Acknowledge)	7.25	15.15	1	2
CSFB calls CST (until Connect/Connect Acknowledge)	6.82	6.53	2	1

Phase-1

Long Call Statistics				
Long Call Scenario	Operator 1		Operator 2	
Voice KPIs	Airtel	CWS		
Call Connected	48	48		
Call Dropped	1	1		
Call Completed	47	47		
CRR[%]	97.92	97.92		
DCR[%]	2.08	2.08		
MOS	3.46	3.20		
	Airtel short call	CWS short call	Airtel long call	CWS long call
CSFB Calls	165	174	39	48
CS Calls	12	0	9	0
Handover Statistics		Airtel MO	CWS MO	
Handover Attempt		44	98	
Handover Failure		0	0	
Handover Success		44	98	
HOSR %		100.00	100.00	

Phase-2

Long Call Statistics				
Long Call Scenario	Operator 1		Operator 2	
Voice KPIs	Airtel	CWS		
Call Connected	45	46		
Call Dropped	2	3		
Call Completed	43	43		
CRR[%]	95.56	93.48		
DCR[%]	4.44	6.52		
MOS	3.16	3.44		
	Airtel short call	CWS short call	Airtel long call	CWS long call
CSFB Calls	120	173	43	45
CS Calls	57	2	2	1
Handover Statistics		Airtel MO	CWS MO	
Handover Attempt		43	124	
Handover Failure		0	0	
Handover Success		43	124	
HOSR %		100.00	100.00	

DATA TEST KPI STATISTICS(4G Preferred)

DATA Scenario		Phase-1				Phase-2			
		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)	12.87	6.88	1	2	9.96	5.68	1	2
	SFTP UL(Mbps)	6.13	3.94	1	2	3.65	3.57	1	2
	HTTP DL(Mbps)	17.24	8.61	1	2	13.30	6.89	1	2
	HTTP UL(Mbps)	9.51	7.49	1	2	6.61	6.10	1	2
	HTTP Capacity DL(Mbps)	42.87	19.05	1	2	39.12	24.68	1	2
	HTTP Capacity UL(Mbps)	18.17	14.22	1	2	19.86	16.60	1	2
BROWSER	Overall Browser DL Time (s)	9.48	8.77	2	1	10.37	12.49	1	2
	Kepler Webpage DL Time (s)	4.22	4.53	1	2	6.00	5.89	2	1
	Mobile Kepler Webpage DL Time (s)	1.80	3.03	1	2	2.85	3.36	1	2
	www.shein.com Webpage DL Time (s)	6.53	5.60	2	1	7.54	8.36	1	2
	www.nbs.gov.sc Webpage DL Time (s)	16.95	15.61	2	1	17.39	27.23	1	2
	www.sbc.sc Webpage DL Time (s)	17.41	14.85	2	1	17.58	19.26	1	2
LATENCY	Avg Latency (ms)	260.80	247.80	2	1	316.71	284.79	2	1
	Median Latency (ms)	155.00	221.00	1	2	342	284	2	1
YOUTUBE	YouTube Access Time (s)	5.20	1.70	2	1	5.26	2.00	2	1
	YouTube Average Resolution (pixels)	1080.00	1080.00	1	1	1080.00	1071.93	1	2
	YouTube Success Ratio [%]	100.00	100.00	1	1	100.00	100.00	1	1

Phase-1

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	27	27	96.43	96.43
	Failure	1	1	3.57	3.57
SFTP UL	Success	27	28	93.10	100.00
	Failure	2	0	6.90	0.00
HTTP DL	Success	28	27	96.55	96.43
	Failure	1	1	3.45	3.57
HTTP UL	Success	28	28	96.55	100.00
	Failure	1	0	3.45	0.00
HTTP Capacity DL	Success	25	24	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	23	24	95.83	100.00
	Failure	1	0	4.17	0.00

Phase-2

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	26	23	96.30	100.00
	Failure	1	0	3.70	0.00
SFTP UL	Success	26	22	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP DL	Success	26	22	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	26	23	100.00	95.83
	Failure	0	1	0.00	4.17
HTTP Capacity DL	Success	25	23	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	24	23	100.00	100.00
	Failure	0	0	0.00	0.00

Phase-1

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	24	25	88.89	96.15
	Failure	3	1	11.11	3.85
Mobile Kepler	Success	24	25	96.00	100.00
	Failure	1	0	4.00	0.00
www.shein.com	Success	27	25	100.00	100.00
	Failure	0	0	0.00	0.00
www.nbs.gov.sc	Success	26	25	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	25	26	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	23	24	88.46	100.00
	Failure	3	0	11.54	0.00
Mobile Kepler	Success	24	22	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	26	24	100.00	100.00
	Failure	0	0	0.00	0.00
www.nbs.gov.sc	Success	25	21	96.15	87.50
	Failure	1	3	3.85	12.50
www.sbc.sc	Success	25	22	100.00	91.67
	Failure	0	2	0.00	8.33

Phase-1

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	54	52
	Average Latency [ms]	262.81	251.37
	Median Latency [ms]	148	222
	Ping session status: Successful	54	52
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
www.google.com	Average Latency [ms]	419.32	228.21
	Median Latency [ms]	404	191
	Ping session status: Successful	25	24
	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]	127.90	271.21
	Median Latency [ms]	126	239
	Ping session status: Successful	29	28
	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]	51	44
	Average Latency [ms]	312.55	280.80
	Median Latency [ms]	342	234
	Ping session status: Successful	51	44
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	1
	Packet Loss<1%	0.00	2.22
www.google.com	Average Latency [ms]	409.28	195.77
	Median Latency [ms]	406	179
	Ping session status: Successful	25	22
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	1
	Packet Loss<1%	0.00	4.35
102.133.176.104	Average Latency [ms]	219.54	365.82
	Median Latency [ms]	194	330
	Ping session status: Successful	26	22
	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-1

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	28	28
Success(Count)	28	28
Failure(Count)	0	0
YouTube Access Time (s)	5.20	1.70
YouTube Average Resolution (pixels)	1080.00	1080.00
YouTube Success Ratio [%]	100.00	100.00

Phase-2

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	26	24
Success(Count)	26	24
Failure(Count)	0	0
YouTube Access Time (s)	5.26	2.00
YouTube Average Resolution (pixels)	1080.00	1071.93
YouTube Success Ratio [%]	100.00	100.00

DATA TEST KPI STATISTICS (3G Preferred)

DATA Scenario		Phase-1				Phase-2			
		Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)	Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	3.73	3.60	1	2	2.85	2.65	1	2
	SFTP UL(Mbps)	1.47	1.08	1	2	1.17	0.85	1	2
	HTTP DL(Mbps)	3.92	3.33	1	2	3.10	2.58	1	2
	HTTP UL(Mbps)	1.96	2.04	2	1	1.37	1.30	1	2
	HTTP Capacity DL(Mbps)	4.99	9.83	2	1	4.22	6.17	2	1
	HTTP Capacity UL(Mbps)	4.09	4.13	2	1	4.07	4.24	2	1
BROWSER	Overall Browser DL Time (s)	10.26	7.45	2	1	9.15	7.92	2	1
	Kepler Webpage DL Time (s)	4.61	5.45	1	2	6.03	6.02	2	1
	Mobile Kepler Webpage DL Time (s)	2.20	2.65	1	2	2.73	2.73	2	1
	www.shein.com Webpage DL Time (s)	10.79	9.72	2	1	11.07	8.67	2	1
	www.nbs.gov.sc Webpage DL Time (s)	14.84	8.29	2	1	12.22	11.00	2	1
	www.sbc.sc Webpage DL Time (s)	18.67	11.56	2	1	13.95	11.30	2	1
LATENCY	Avg Latency (ms)	291.35	222.00	2	1	335.49	227.46	2	1
	Median Latency (ms)	393.00	195.00	2	1	398	202	2	1
YOUTUBE	YouTube Access Time (s)	3.57	4.99	1	2	5.36	2.90	2	1
	YouTube Average Resolution (pixels)	1030.45	1078.06	2	1	966.60	1024.08	2	1
	YouTube Success Ratio [%]	95.24	86.36	1	2	90.48	80.95	1	2

Phase-1

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
SFTP DL	Success	22	20	100.00	95.24
	Failure	0	1	0.00	4.76
SFTP UL	Success	22	20	91.67	90.91
	Failure	2	2	8.33	9.09
HTTP DL	Success	24	22	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	21	20	95.45	90.91
	Failure	1	2	4.55	9.09
HTTP Capacity DL	Success	20	21	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	17	18	89.47	90.00
	Failure	2	2	10.53	10.00

Phase-2

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
SFTP DL	Success	19	18	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	19	16	90.48	88.89
	Failure	2	2	9.52	11.11
HTTP DL	Success	20	17	100.00	80.95
	Failure	0	4	0.00	19.05
HTTP UL	Success	20	17	90.91	80.95
	Failure	2	4	9.09	19.05
HTTP Capacity DL	Success	20	20	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	18	19	90.00	95.00
	Failure	2	1	10.00	5.00

Phase-1

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	19	21	100.00	95.45
	Failure	0	1	0.00	4.55
Mobile Kepler	Success	18	20	90.00	90.91
	Failure	2	2	10.00	9.09
www.shein.com	Success	19	21	95.00	95.45
	Failure	1	1	5.00	4.55
www.nbs.gov.sc	Success	20	20	100.00	90.91
	Failure	0	2	0.00	9.09
www.sbc.sc	Success	18	18	90.00	85.71
	Failure	2	3	10.00	14.29

Phase-2

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	22	15	100.00	78.95
	Failure	0	4	0.00	21.05
Mobile Kepler	Success	22	17	100.00	89.47
	Failure	0	2	0.00	10.53
www.shein.com	Success	22	15	100.00	78.95
	Failure	0	4	0.00	21.05
www.nbs.gov.sc	Success	22	18	100.00	94.74
	Failure	0	1	0.00	5.26
www.sbc.sc	Success	21	15	100.00	83.33
	Failure	0	3	0.00	16.67

Phase-1

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	23	39
	Average Latency [ms]	390.35	220.31
	Median Latency [ms]	417	196
	Ping session status: Successful	23	39
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	16	0
	Packet Loss<1%	41.03	0.00
www.google.com	Average Latency [ms]	436.22	169.11
	Median Latency [ms]	419	182
	Ping session status: Successful	18	19
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	0
	Packet Loss<1%	5.26	0.00
102.133.176.104	Average Latency [ms]	225.20	268.95
	Median Latency [ms]	160	212
	Ping session status: Successful	5	20
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	15	0
	Packet Loss<1%	75.00	0.00

Phase-2

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	40	32
	Average Latency [ms]	334.53	234.23
	Median Latency [ms]	397	187
	Ping session status: Successful	40	32
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	3
	Packet Loss<1%	2.44	8.57
www.google.com	Average Latency [ms]	423.14	217.00
	Median Latency [ms]	415	141
	Ping session status: Successful	21	20
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
102.133.176.104	Average Latency [ms]	236.58	261.50
	Median Latency [ms]	237	279
	Ping session status: Successful	19	12
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	3
	Packet Loss<1%	5.00	20.00

Phase-1

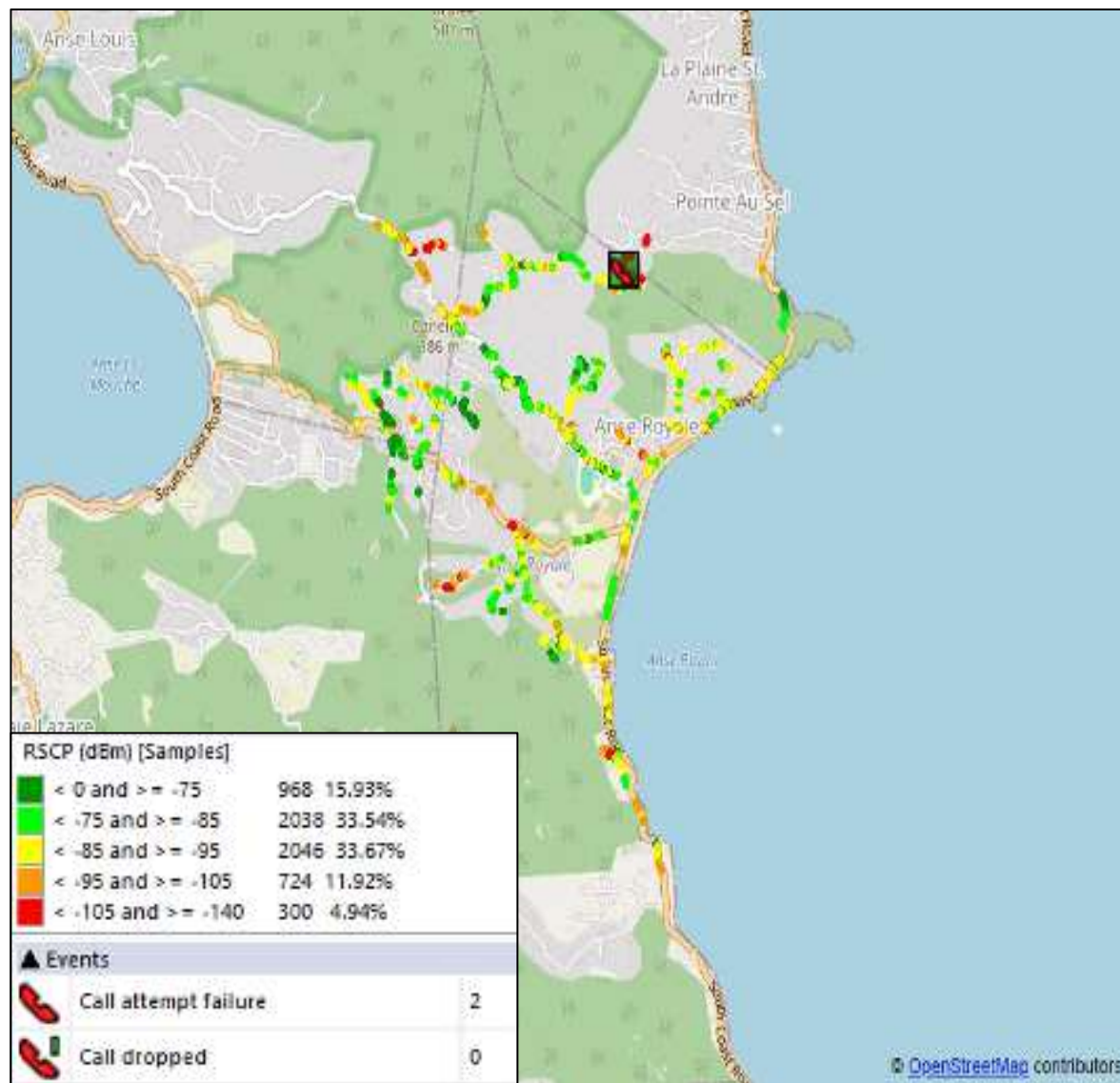
UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	21	22
Success(Count)	20	19
Failure(Count)	1	3
YouTube Access Time (s)	3.57	4.99
YouTube Average Resolution (pixels)	1030.45	1078.06
YouTube Success Ratio [%]	95.24	86.36

Phase-2

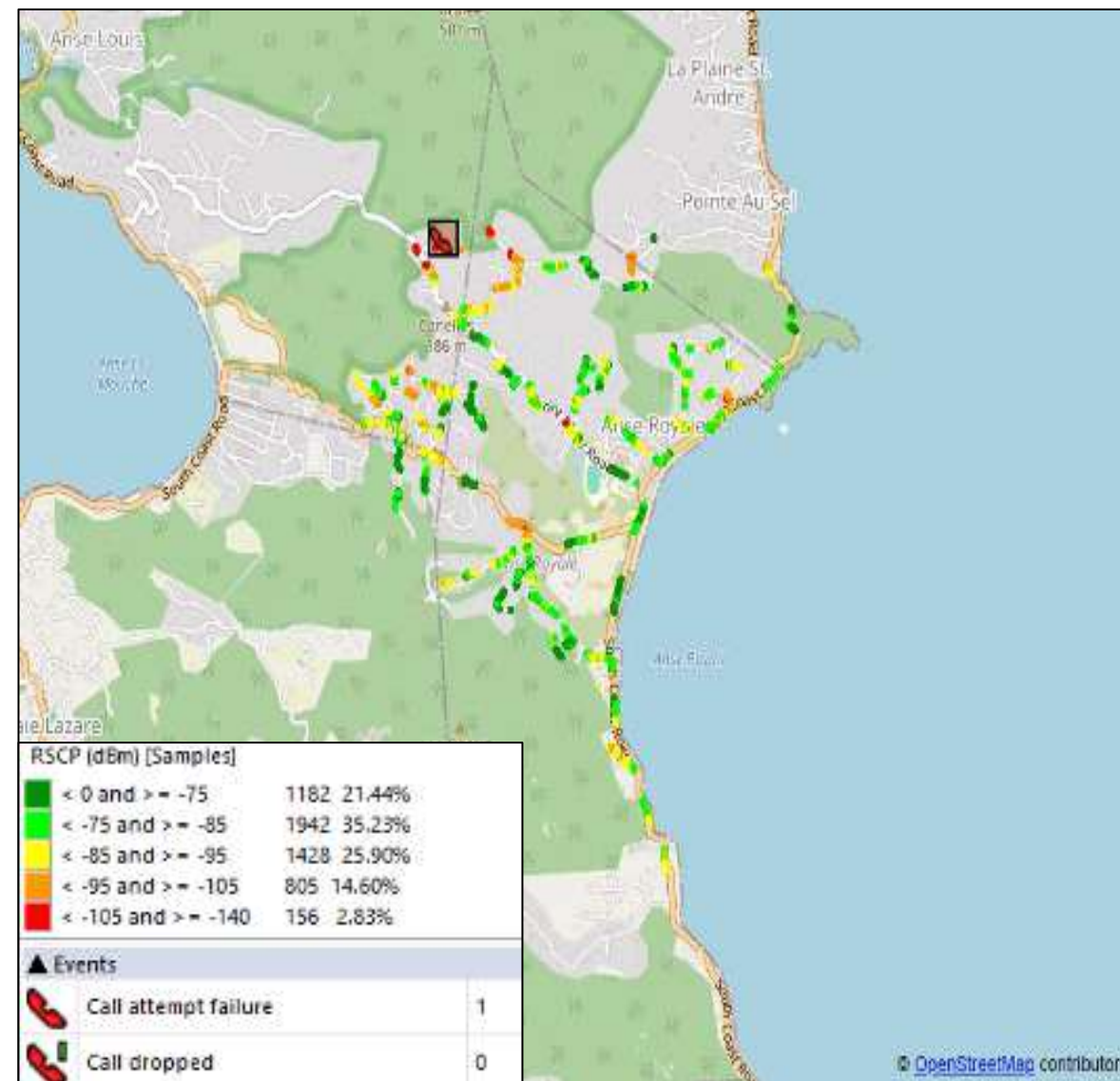
UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	21	21
Success(Count)	19	17
Failure(Count)	2	4
YouTube Access Time (s)	5.36	2.90
YouTube Average Resolution (pixels)	966.60	1024.08
YouTube Success Ratio [%]	90.48	80.95

Voice Call Events

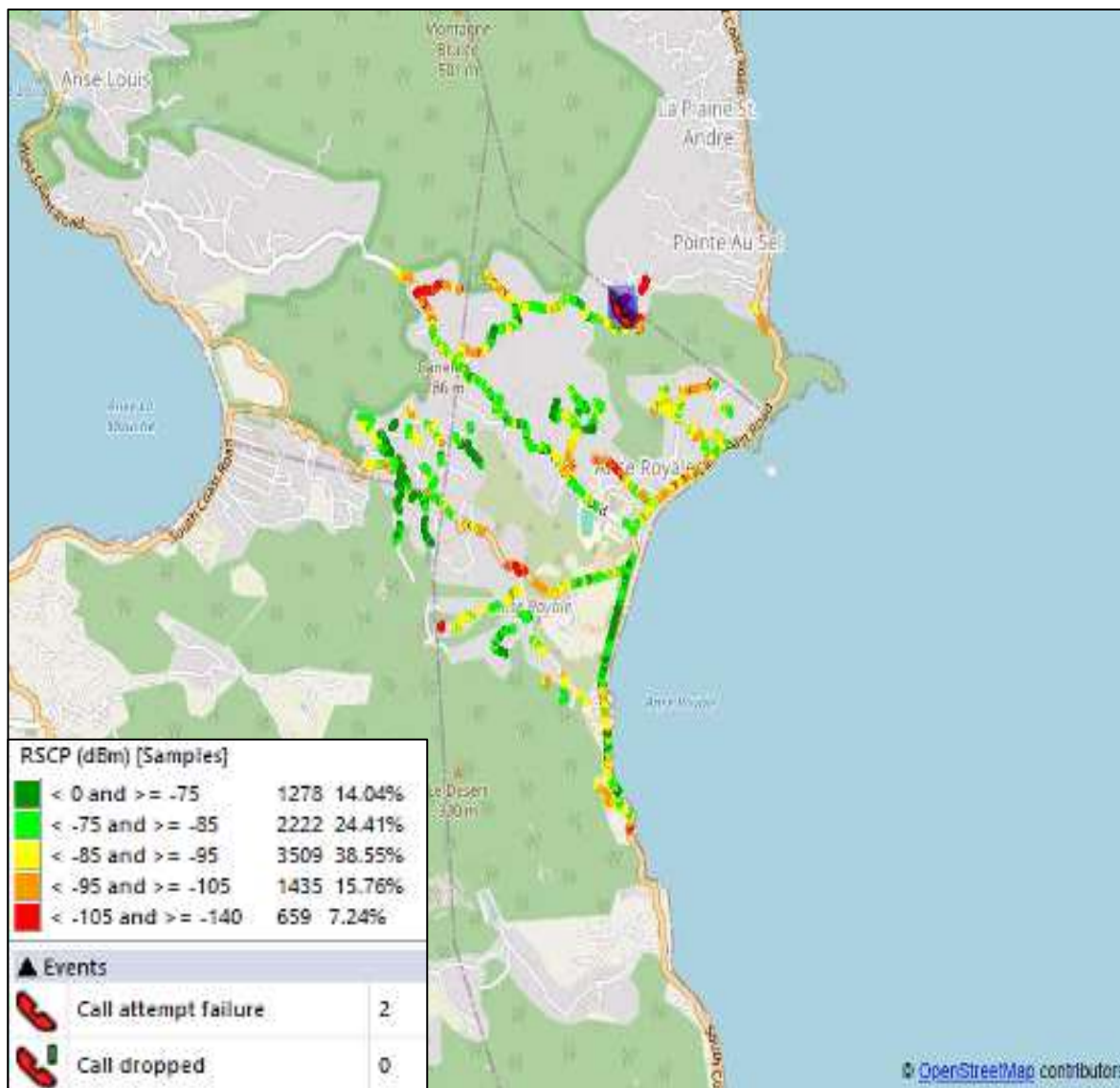
Airtel SC MO



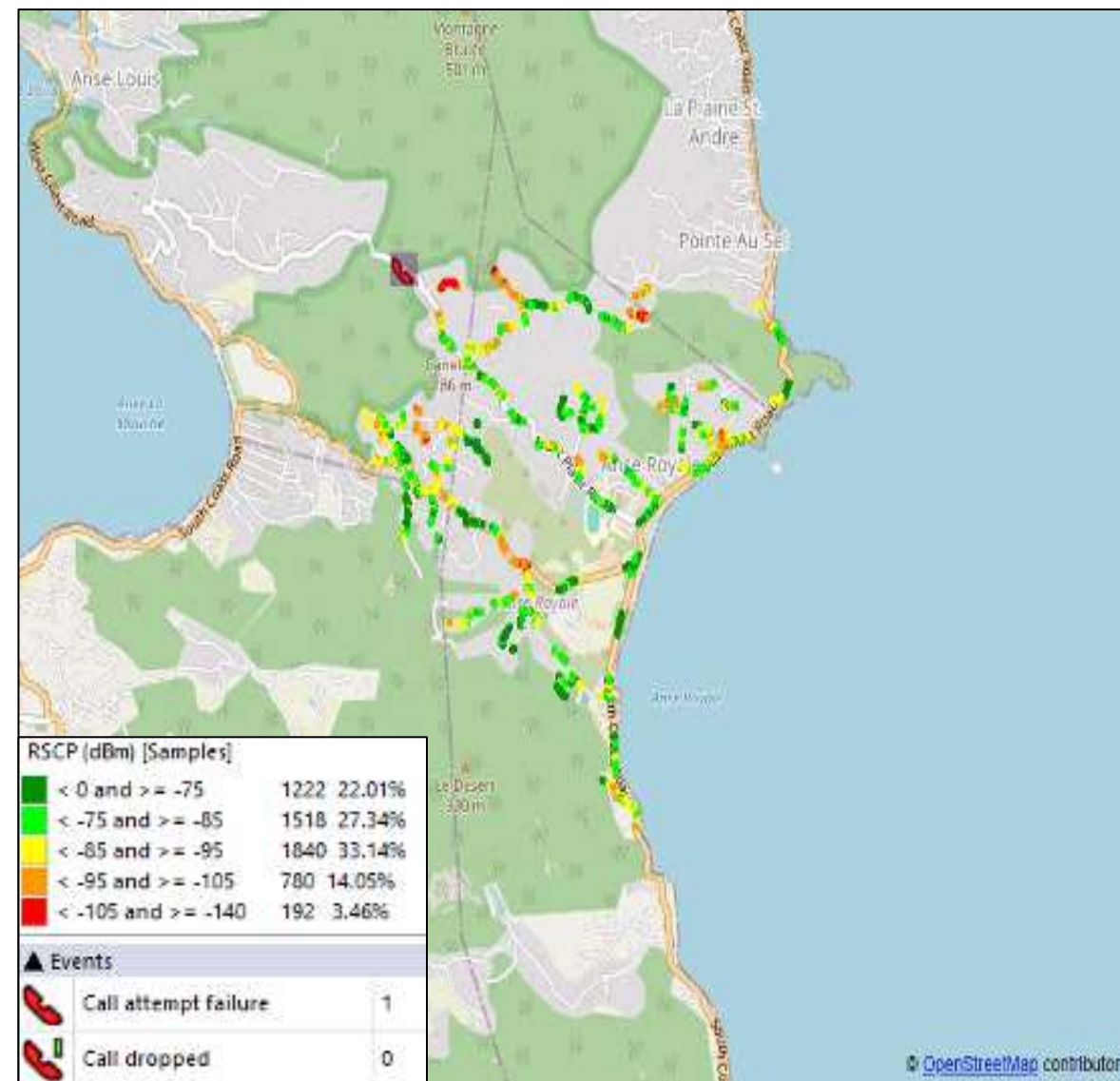
CWS SC MO



Airtel SC MO

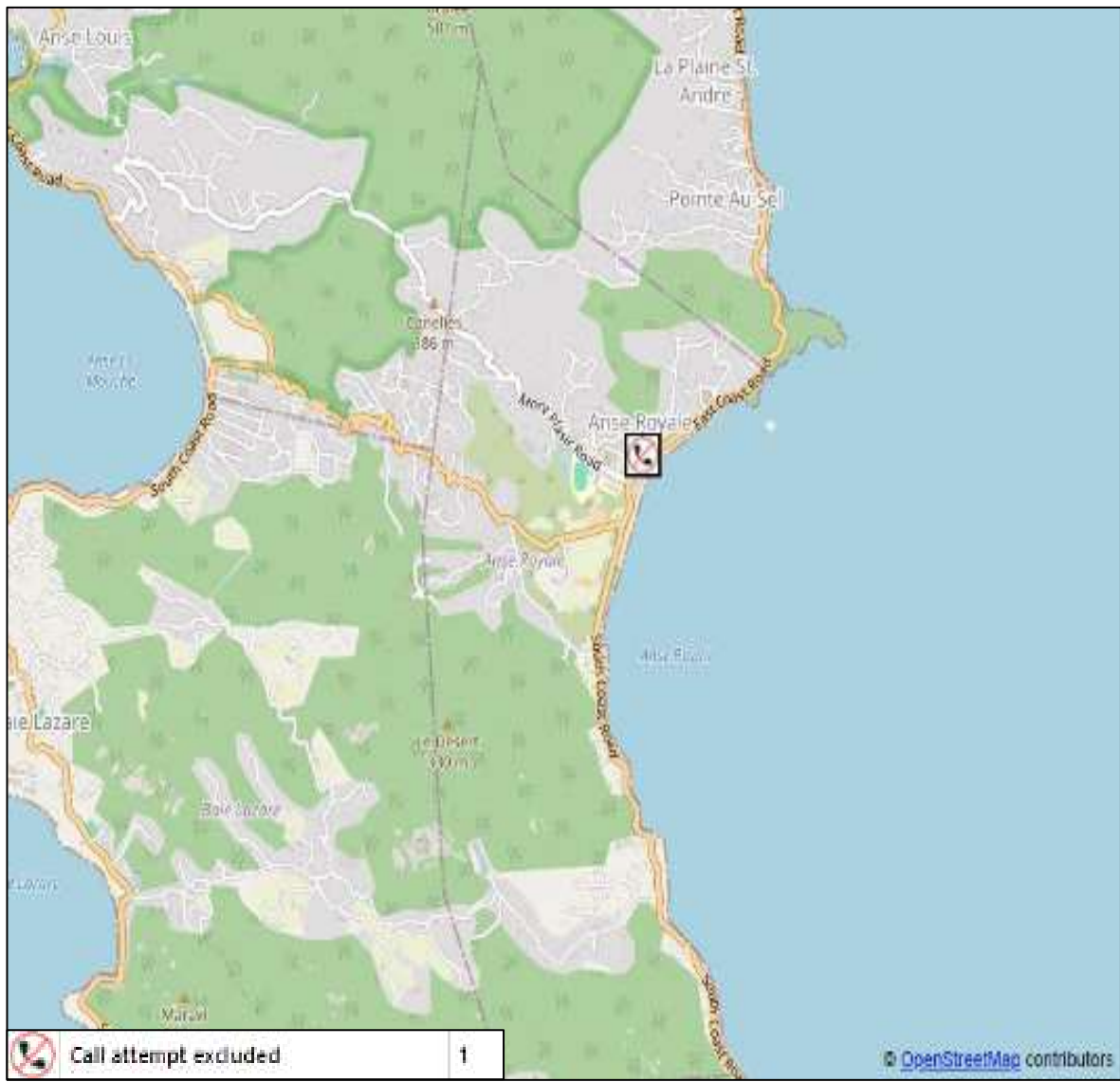
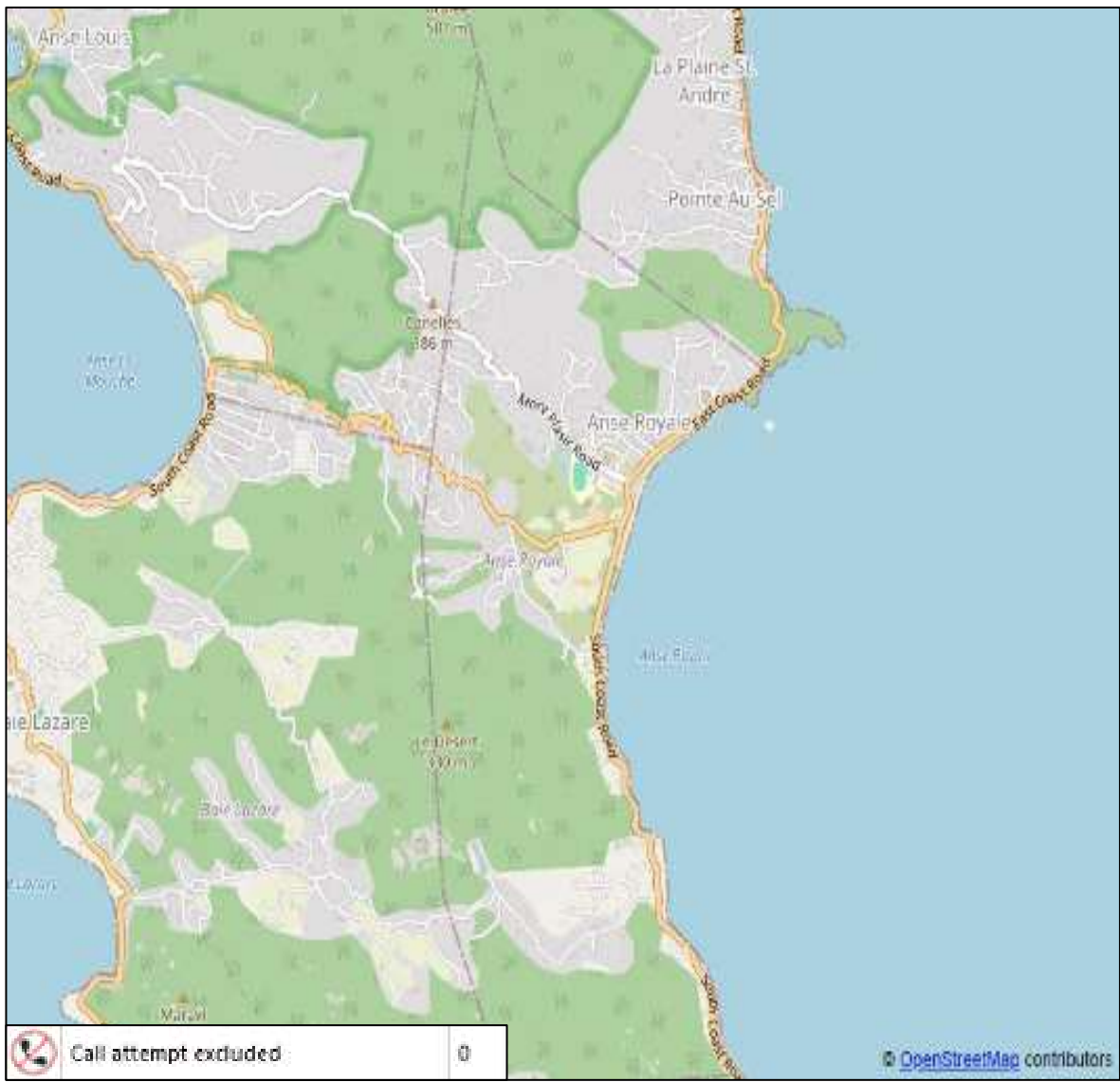


CWS SC MO

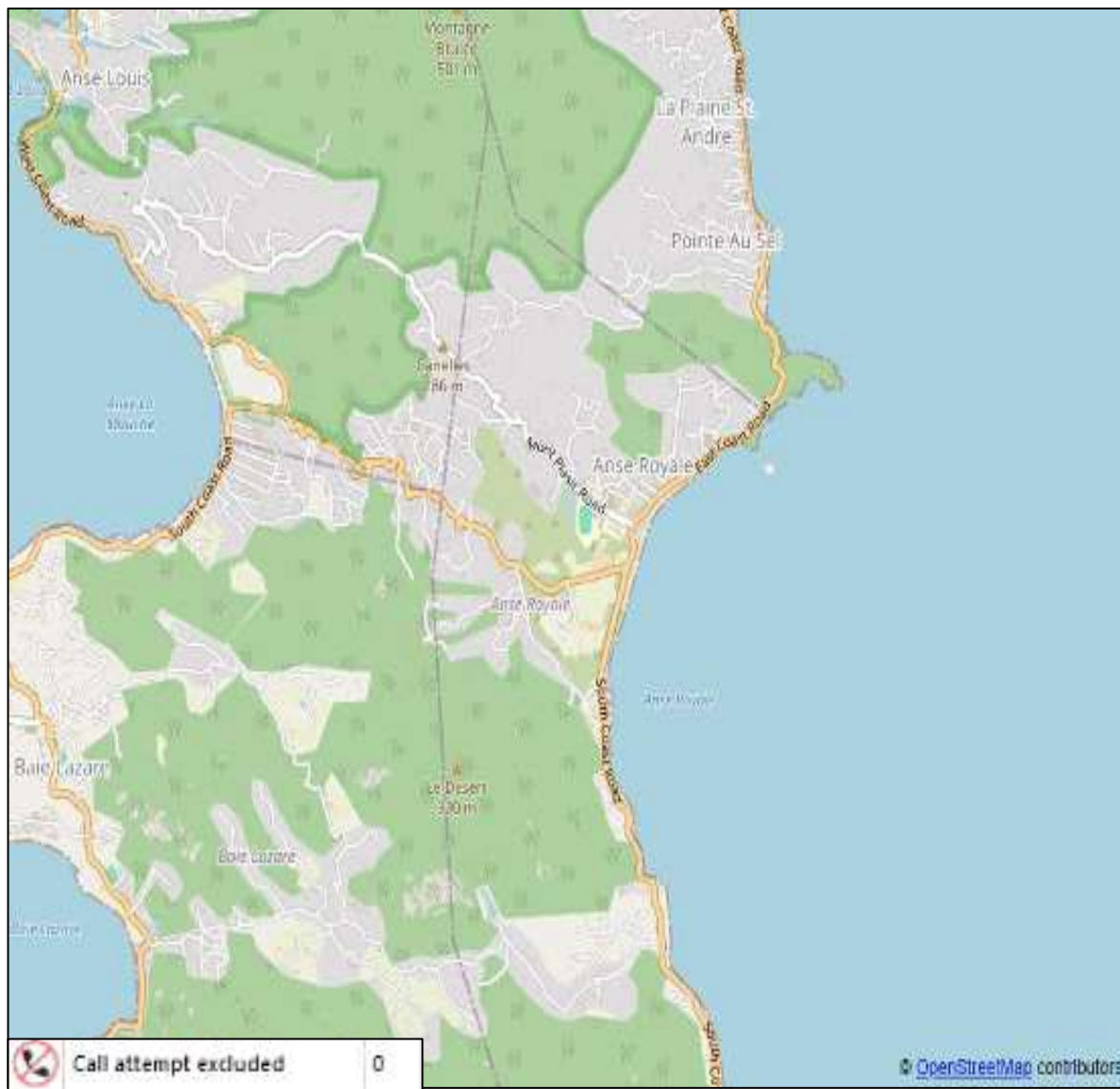


Airtel SC MO

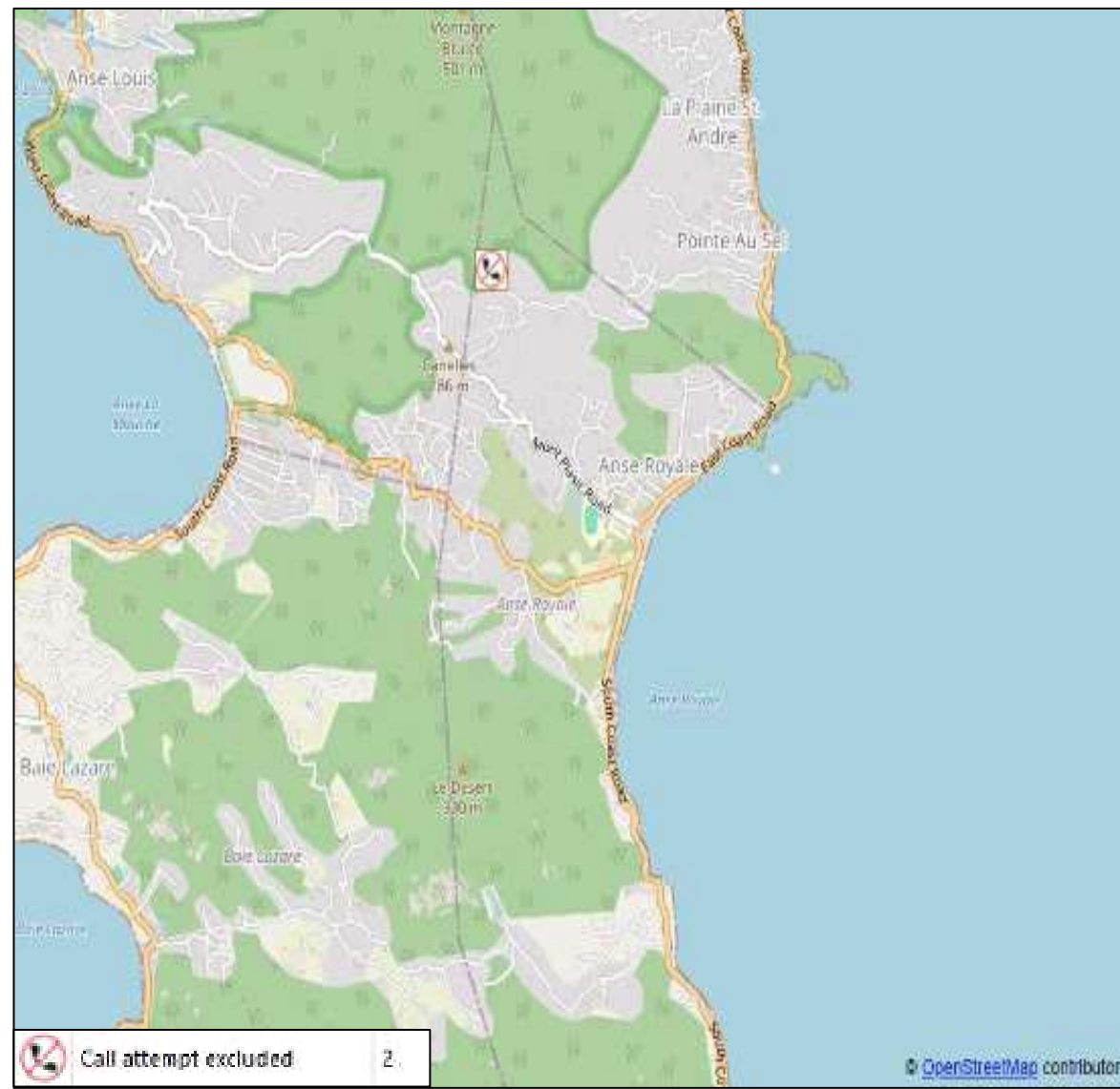
CWS SC MO



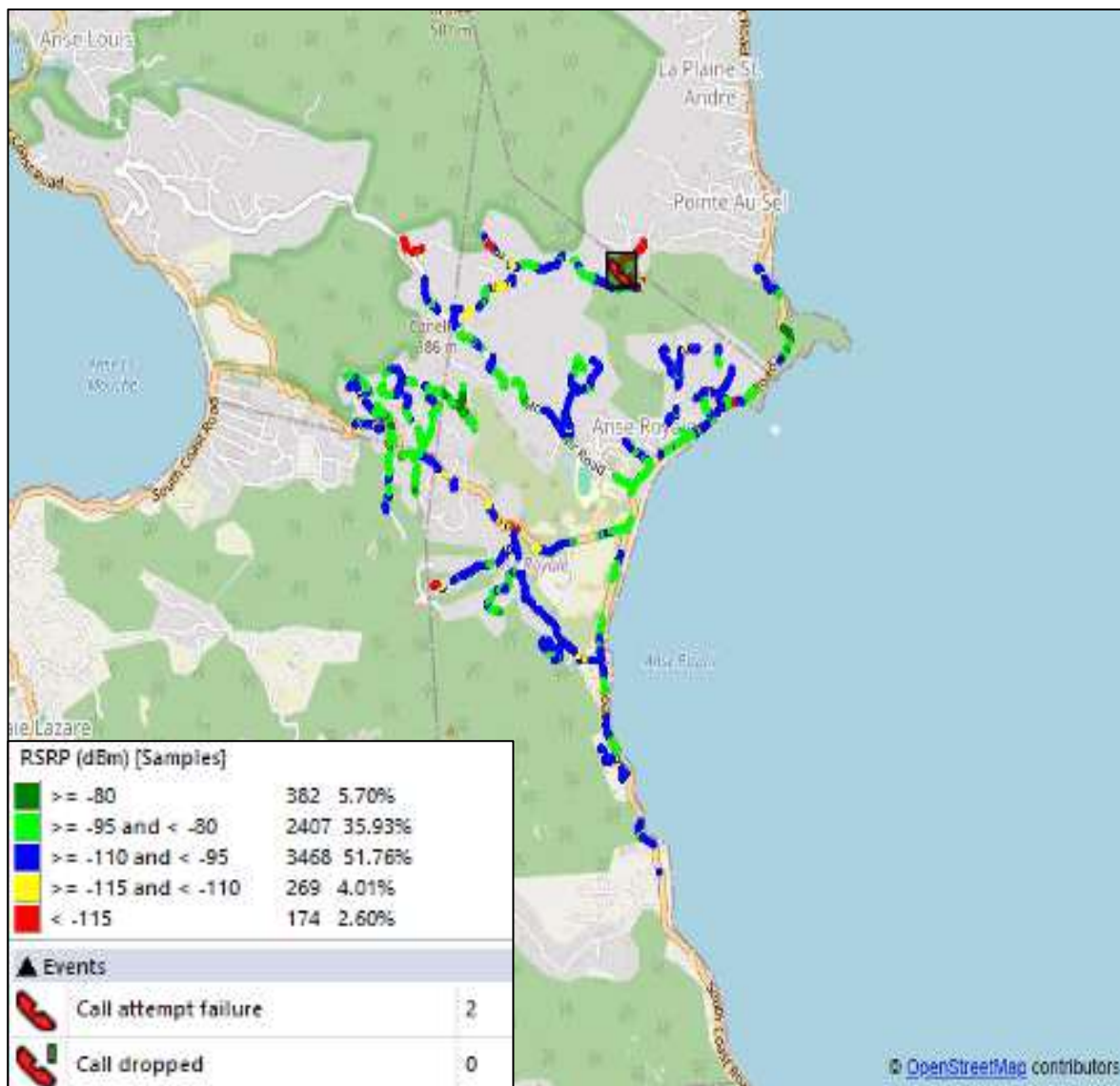
Airtel SC MO



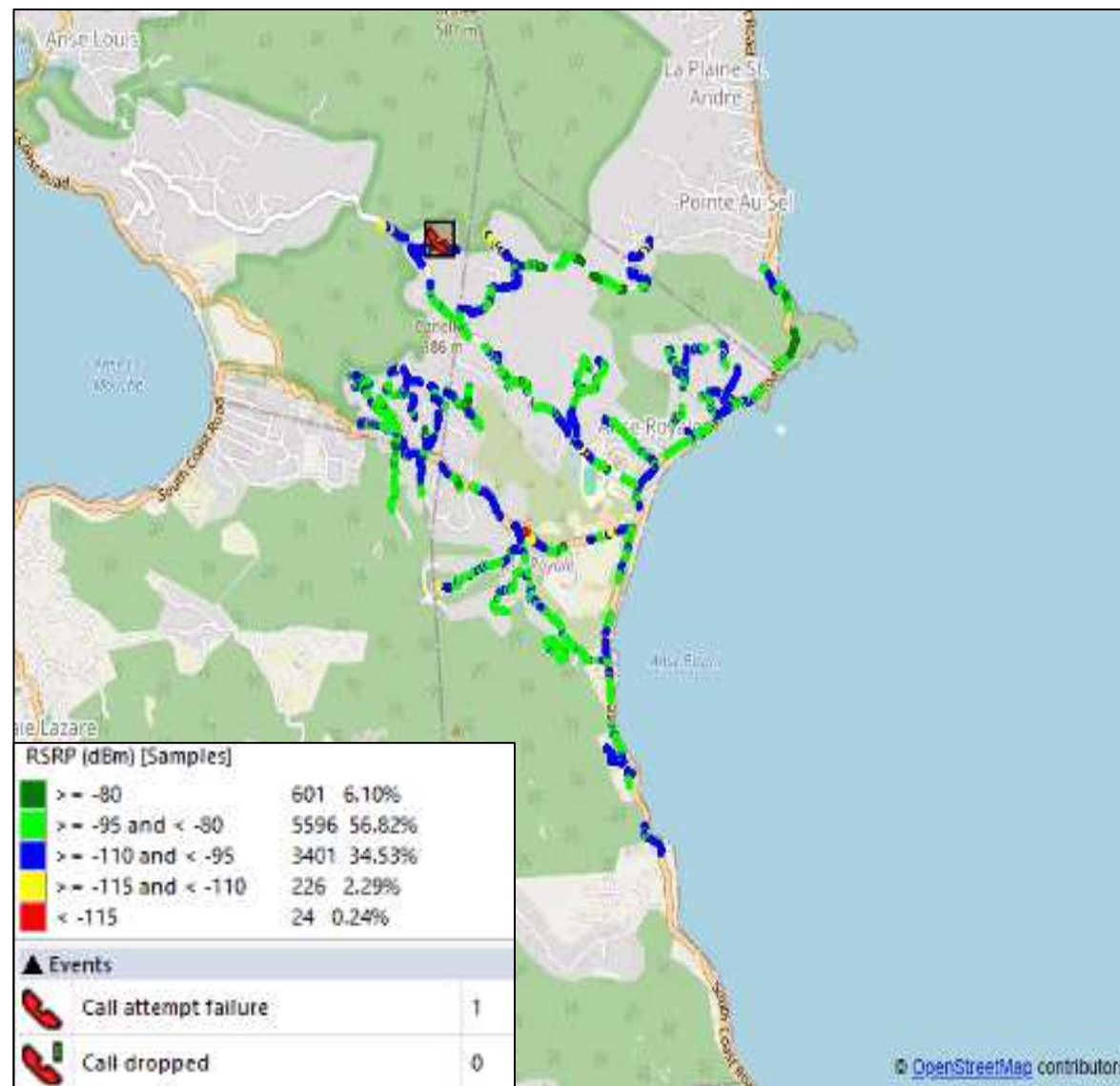
CWS SC MO



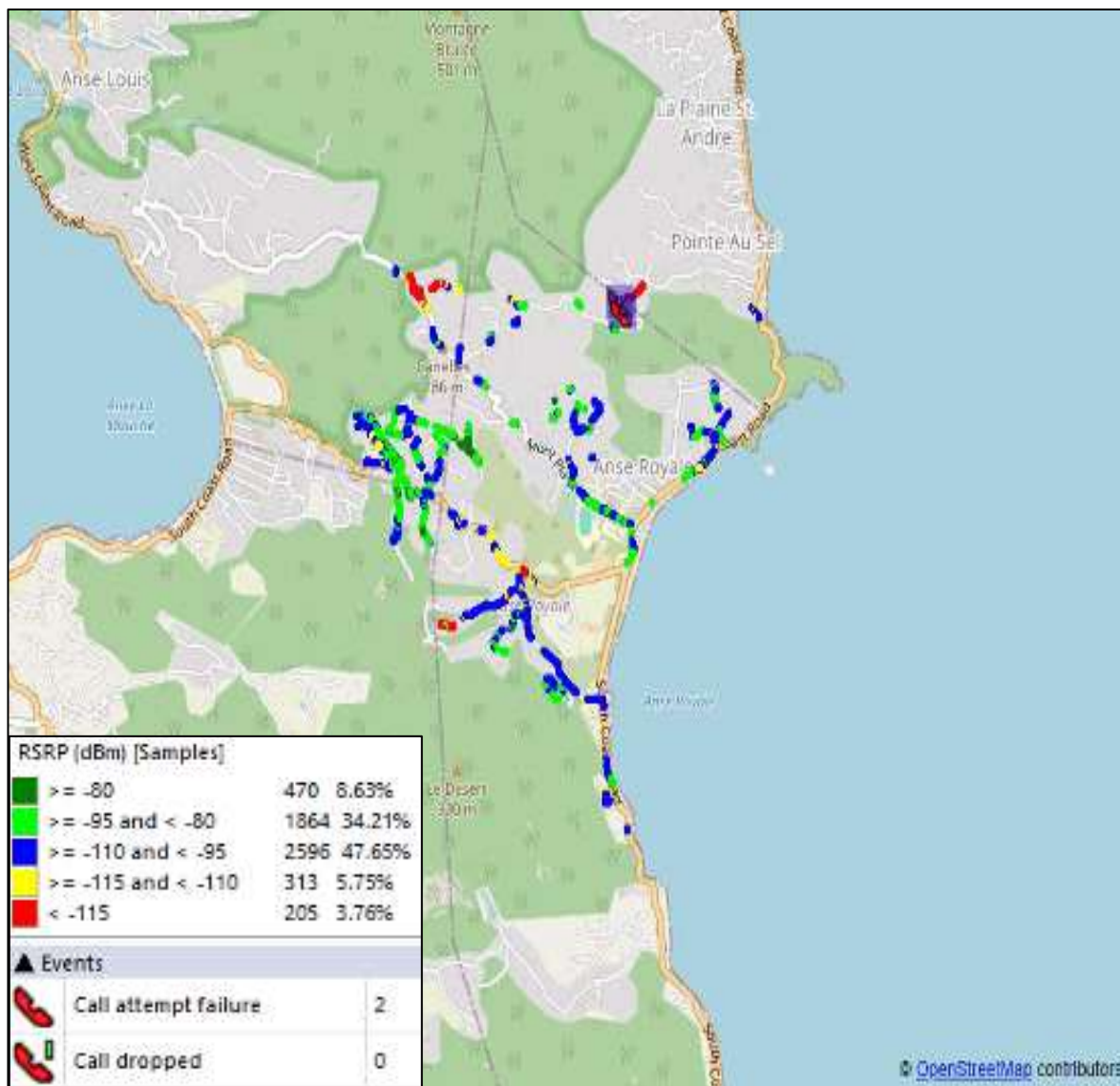
Airtel SC MO



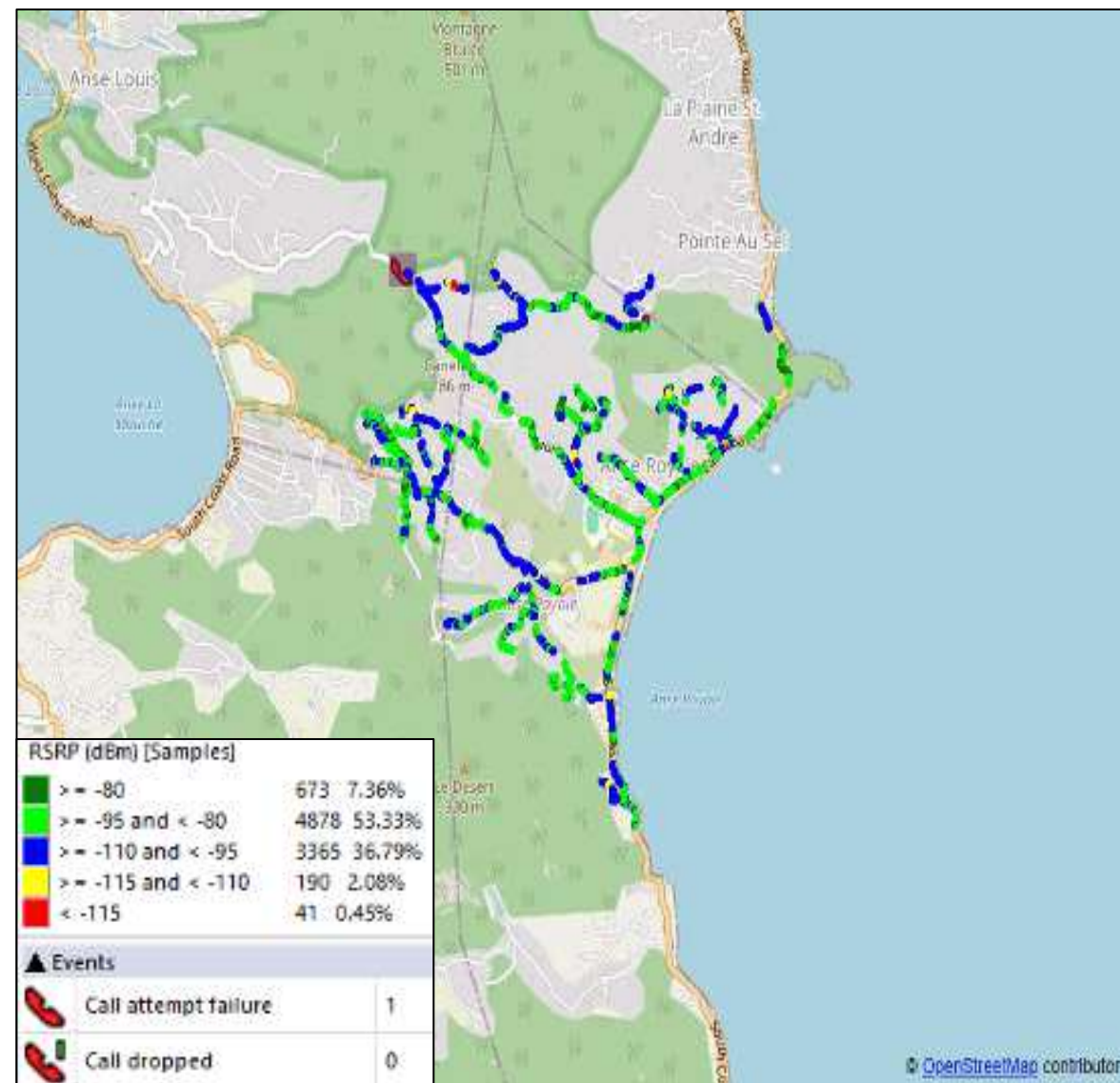
CWS SC MO



Airtel SC MO

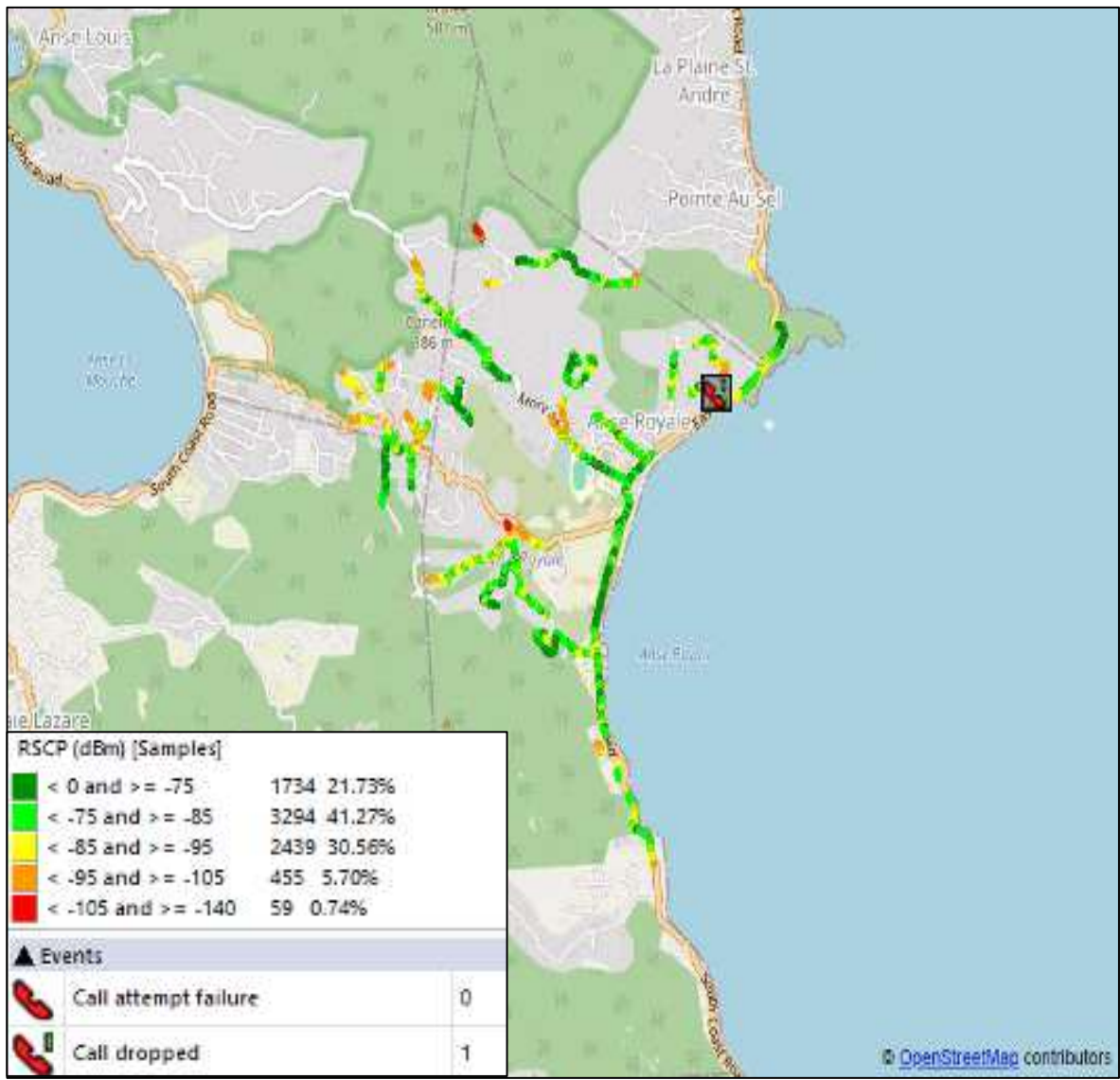
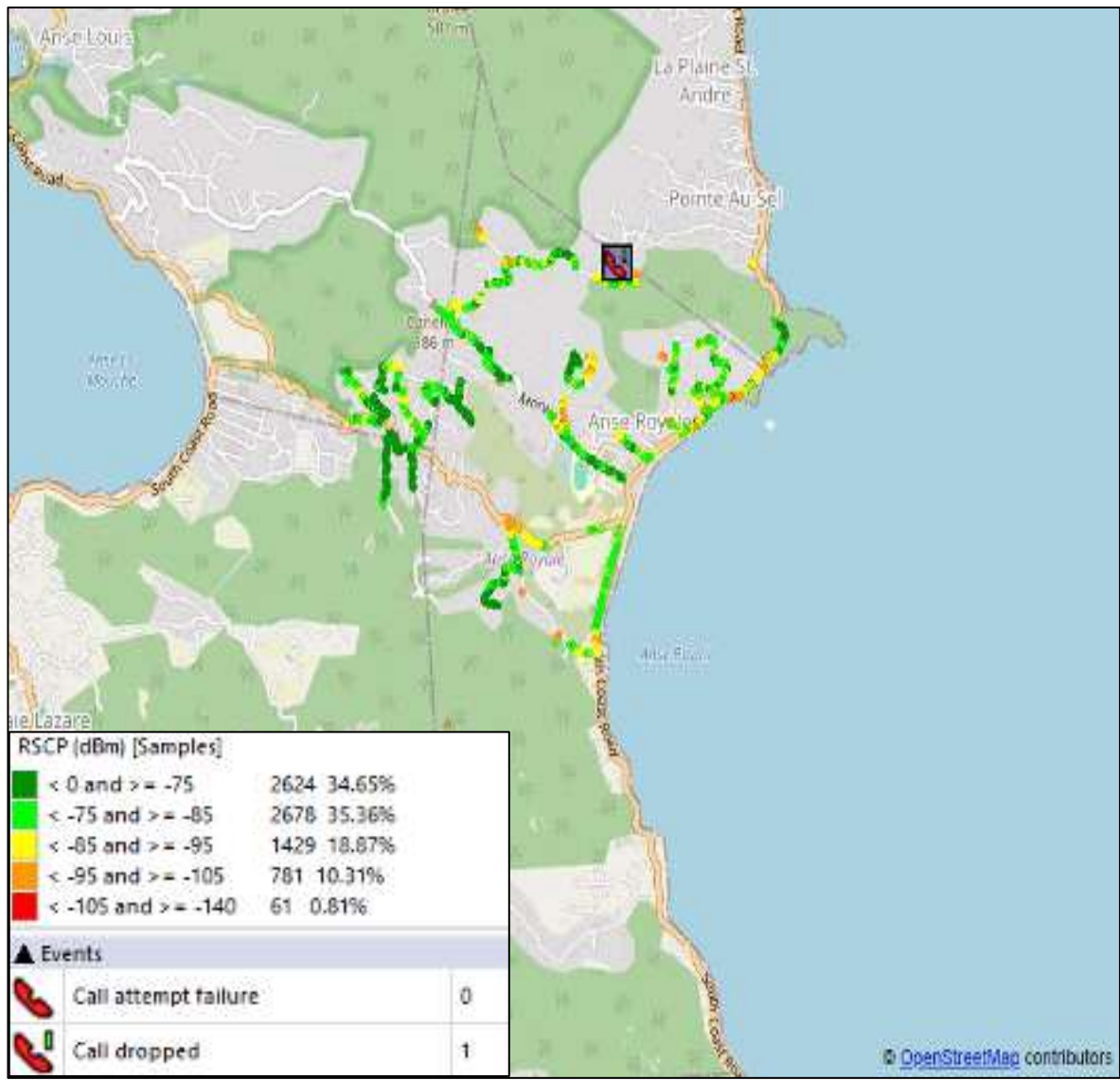


CWS SC MO

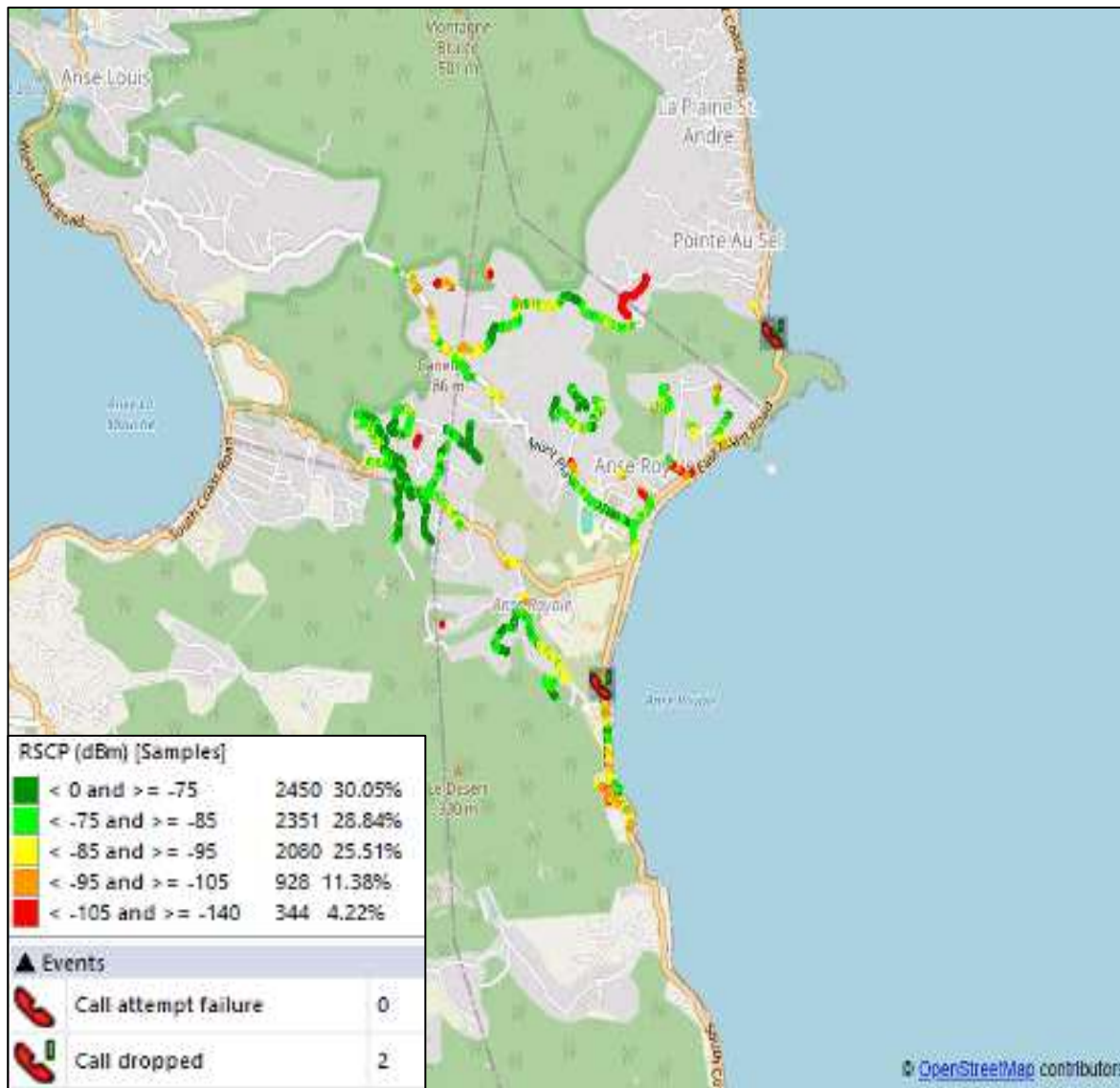


Airtel LC MO

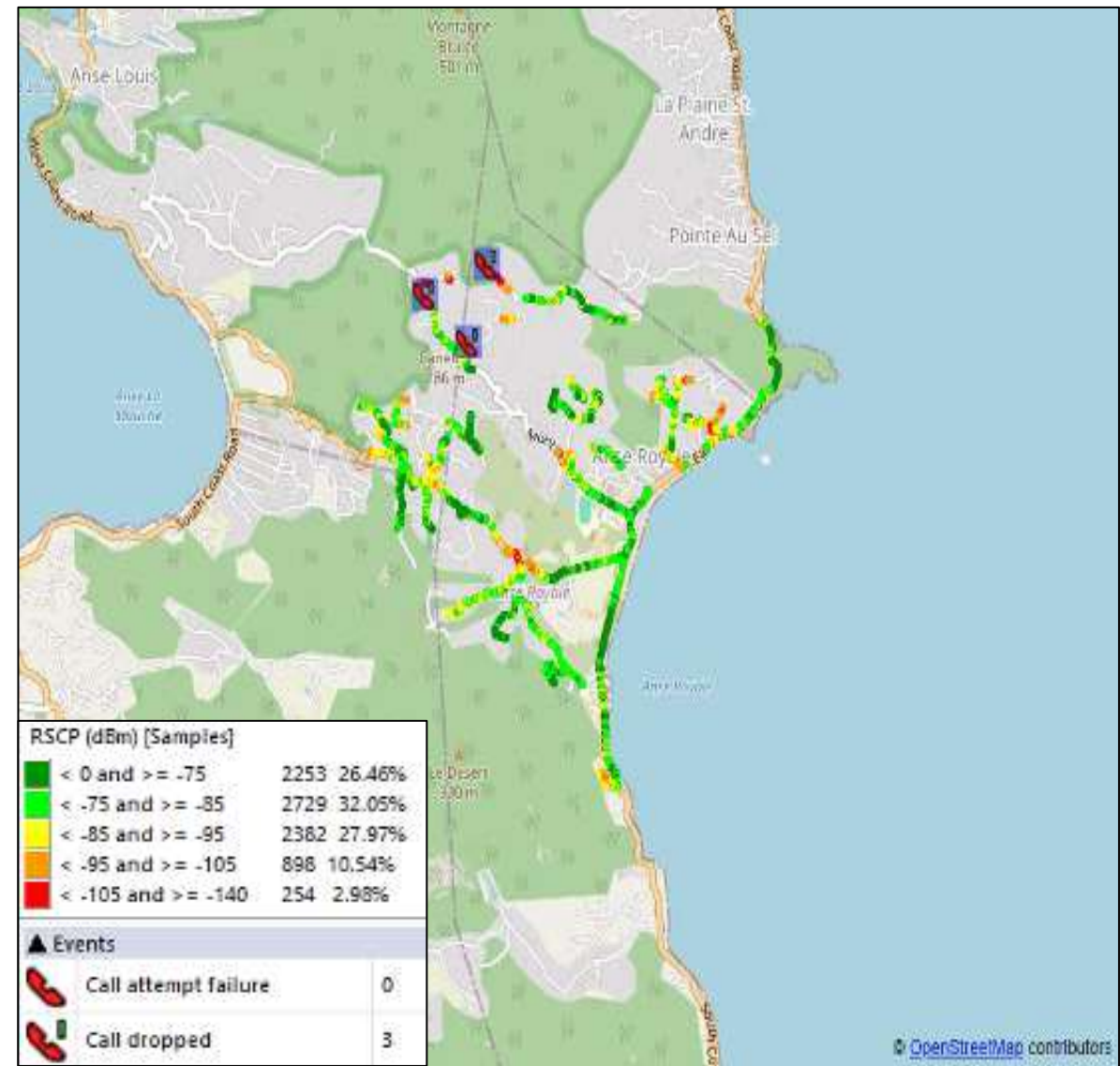
CWS LC MO



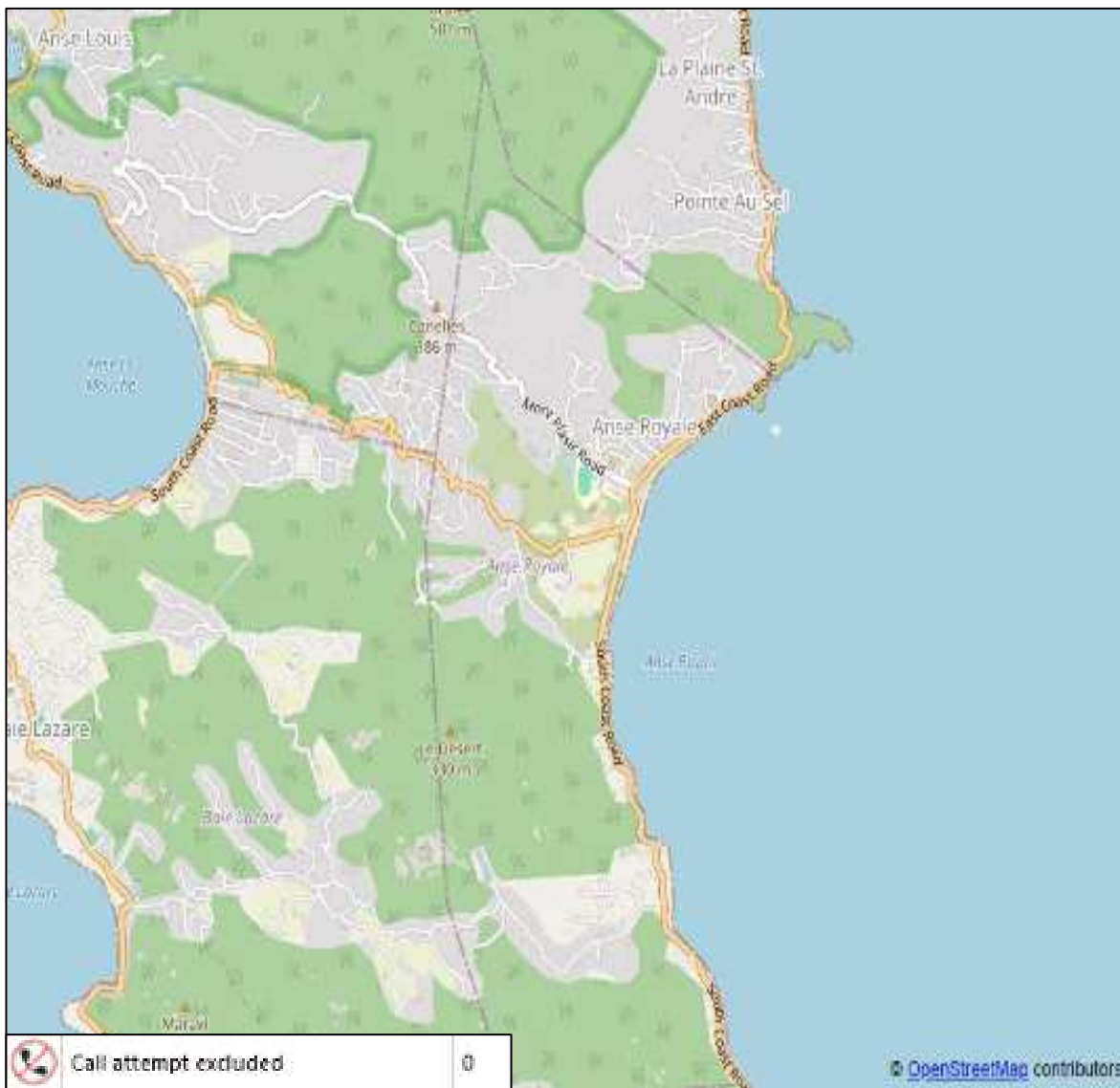
Airtel LC MO



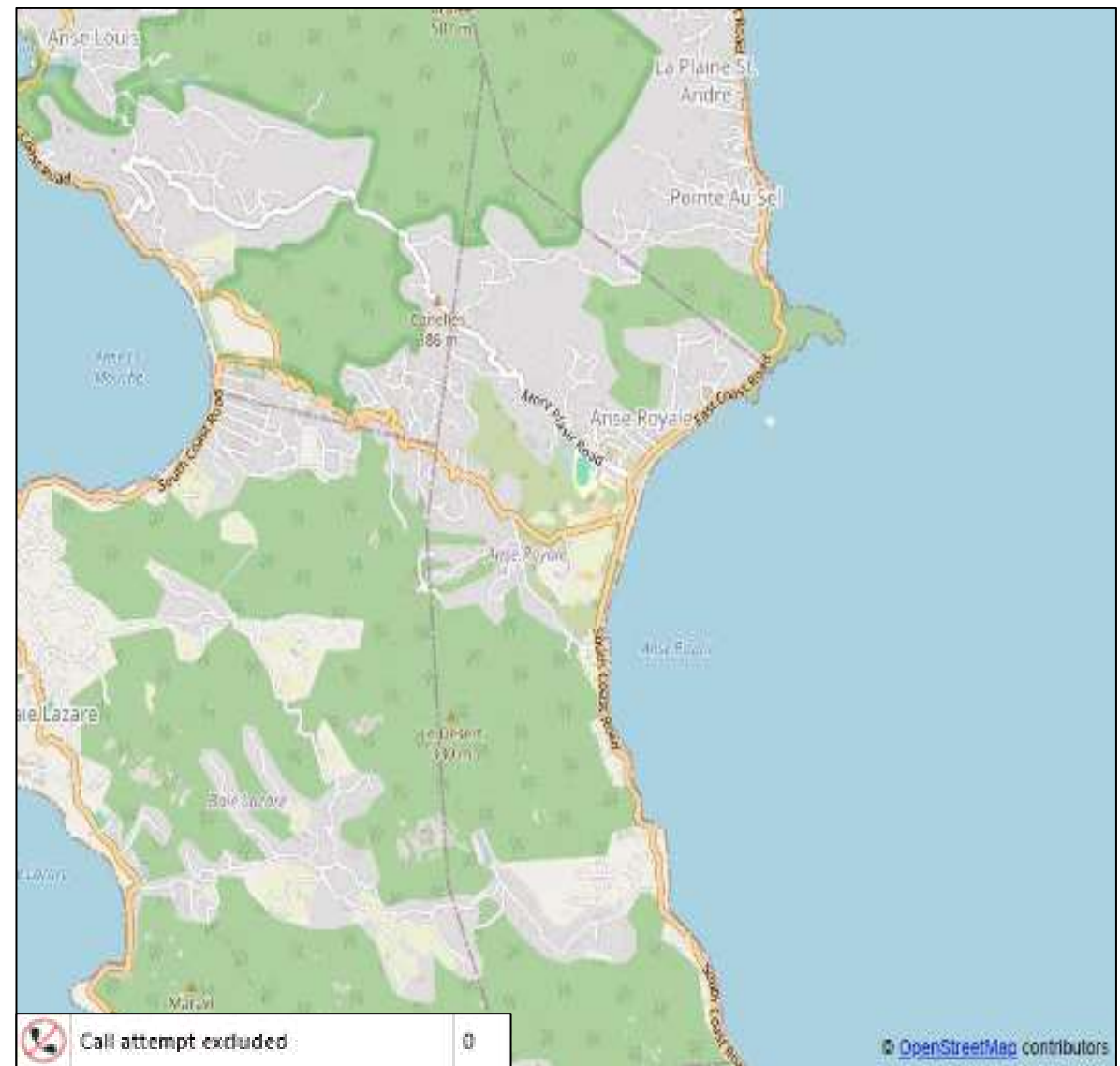
CWS LC MO



Airtel LC MO

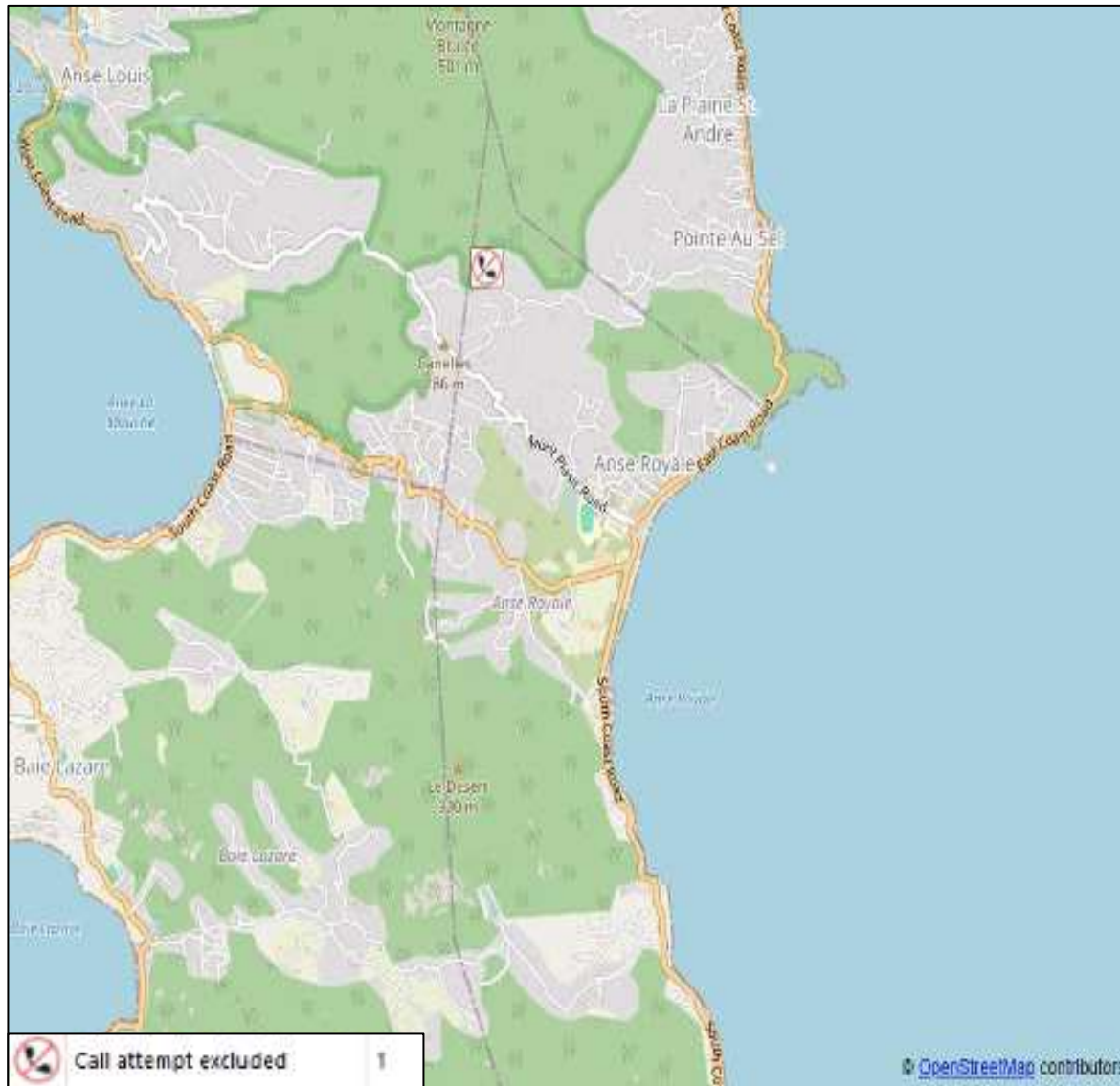


CWS LC MO

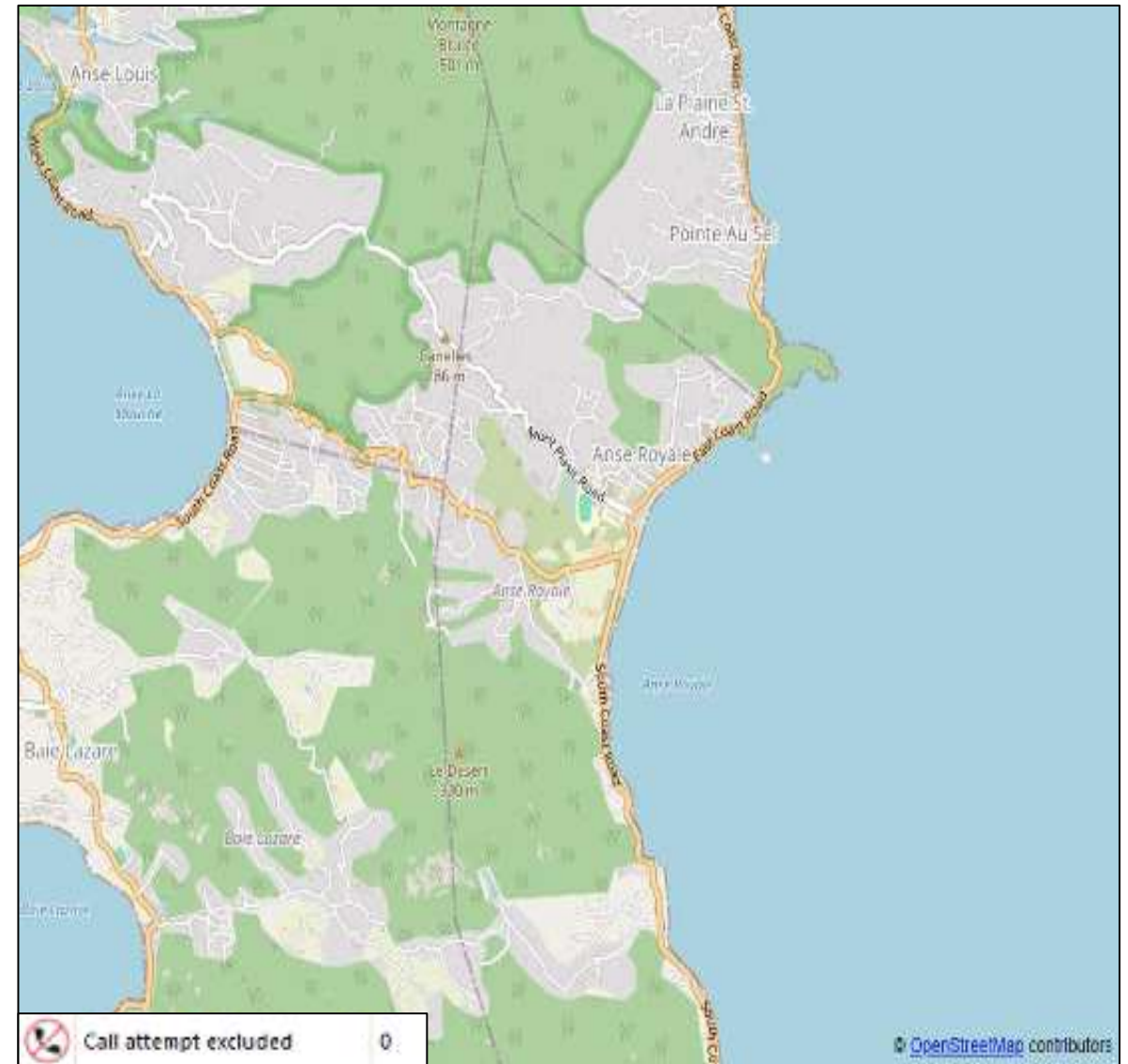


Phase-2 LONG CALL EXCLUDED EVENTS

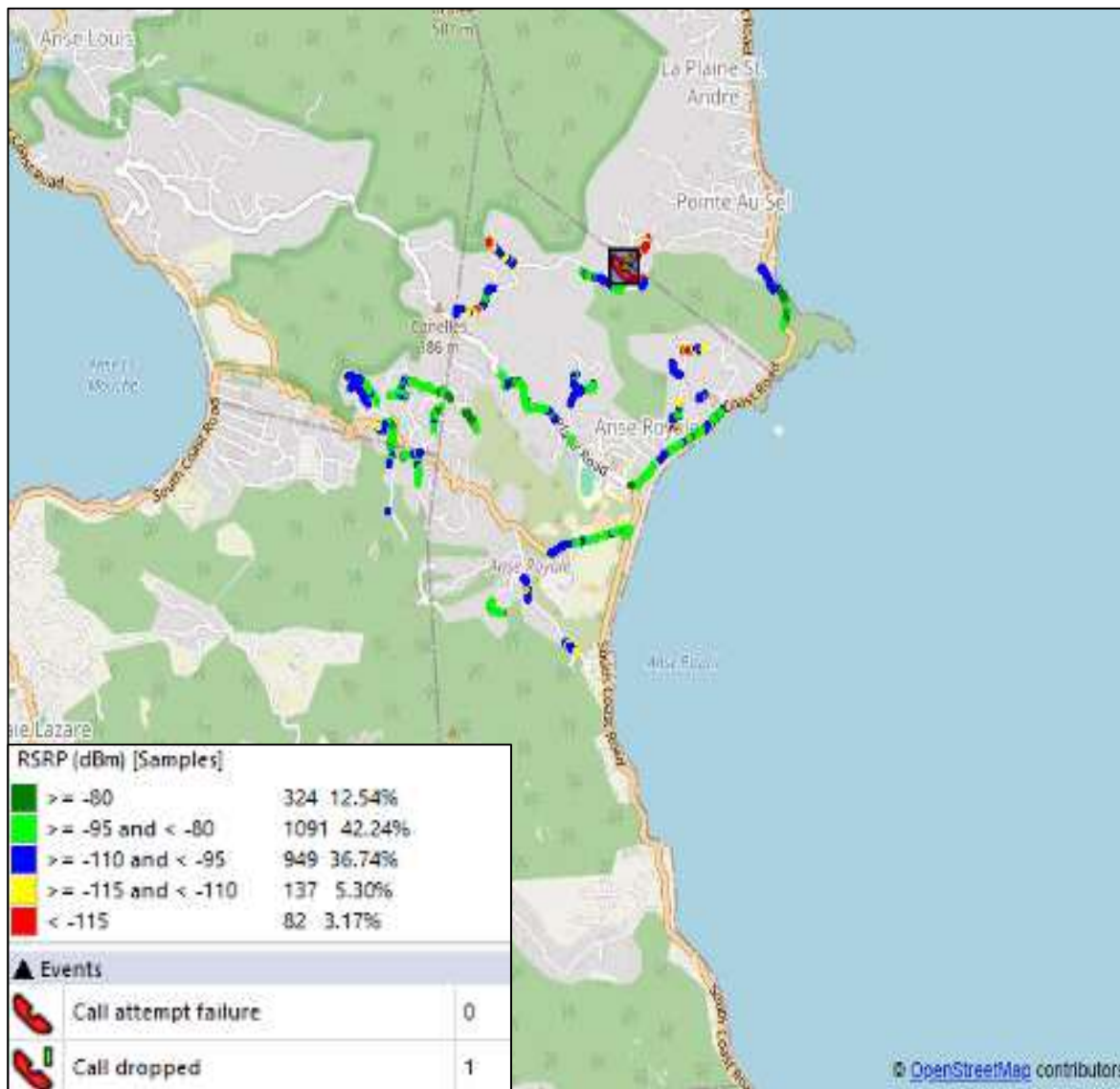
Airtel LC MO



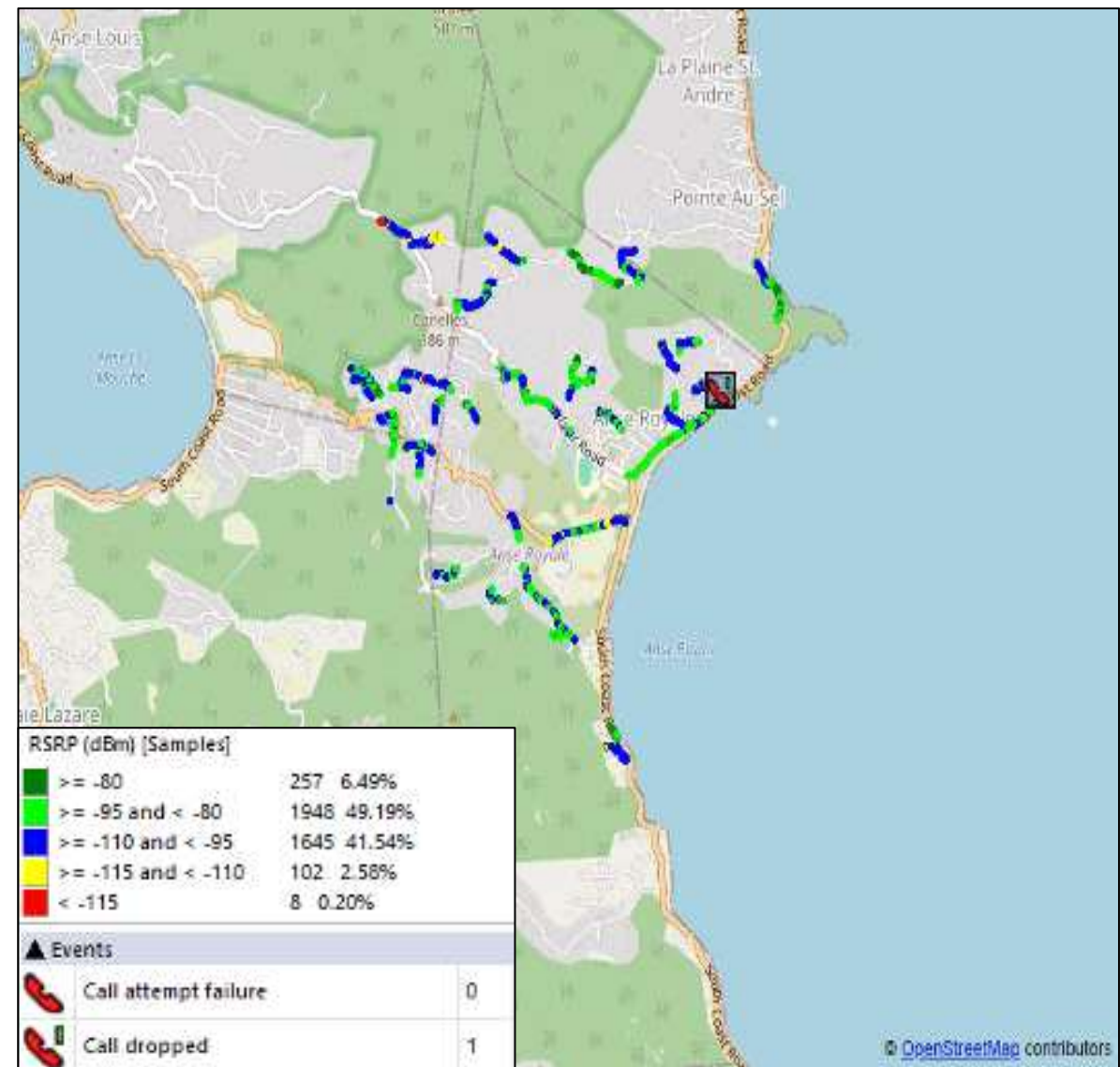
CWS LC MO



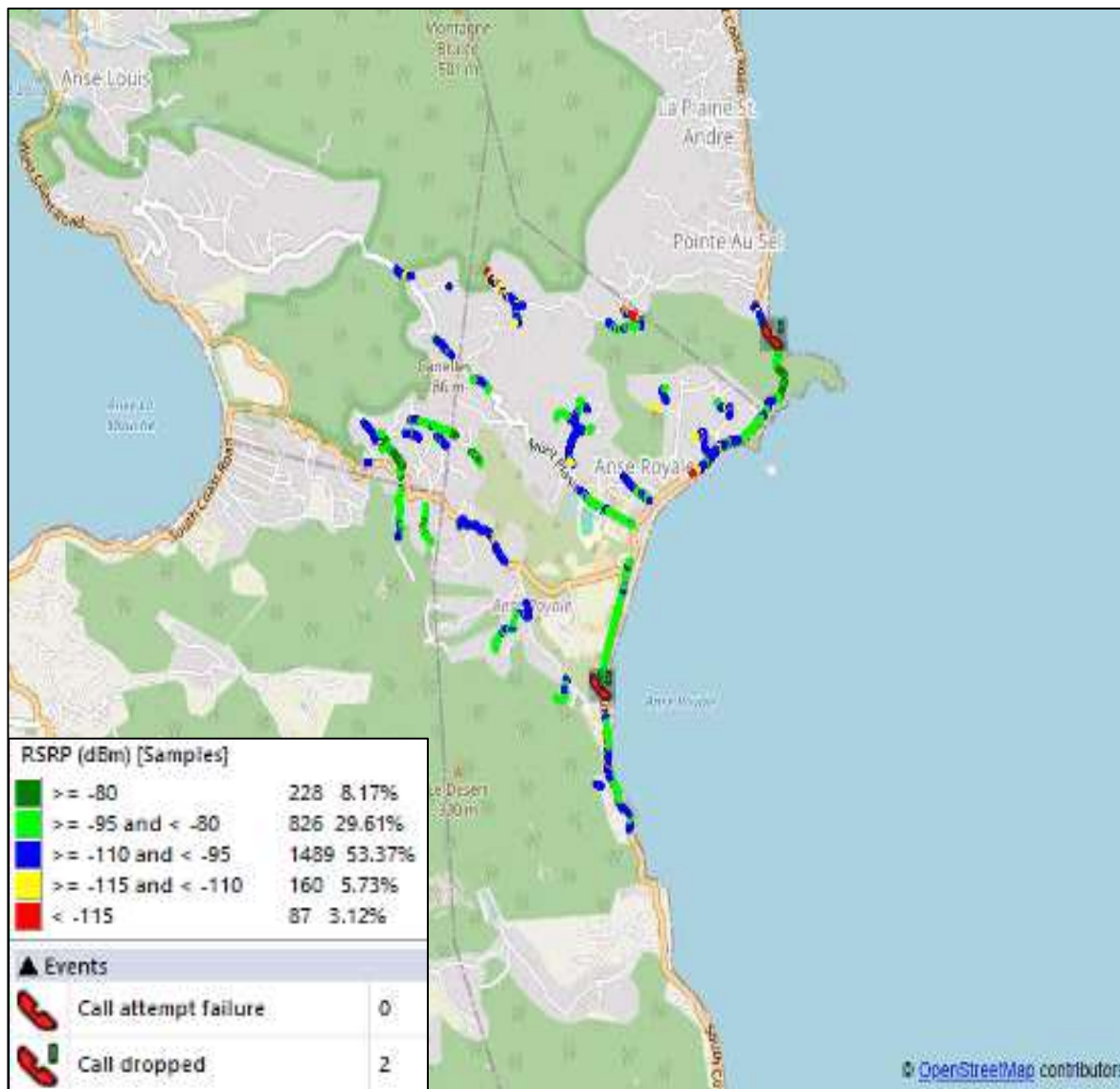
Airtel LC MO



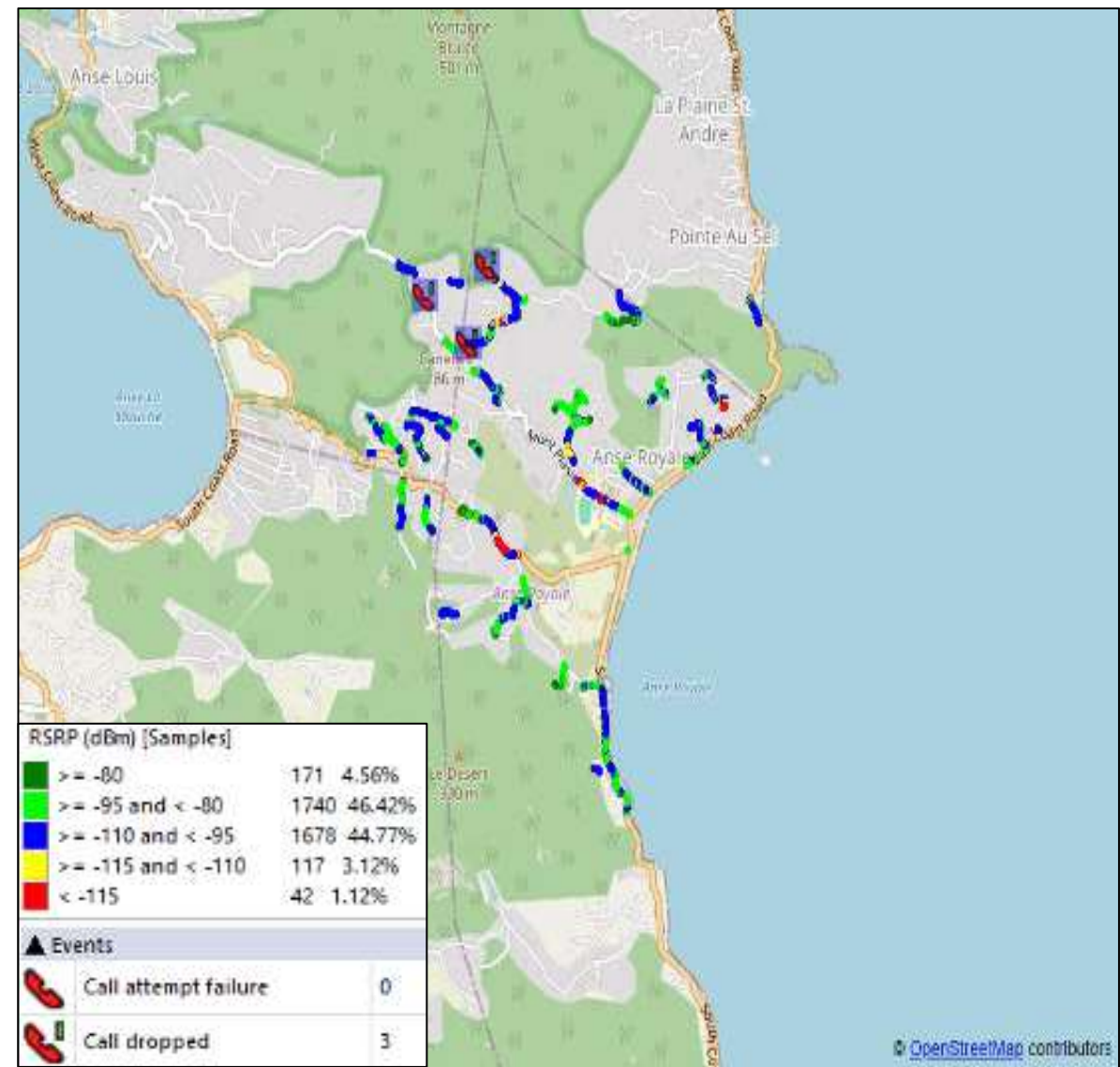
CWS LC MO



Airtel LC MO

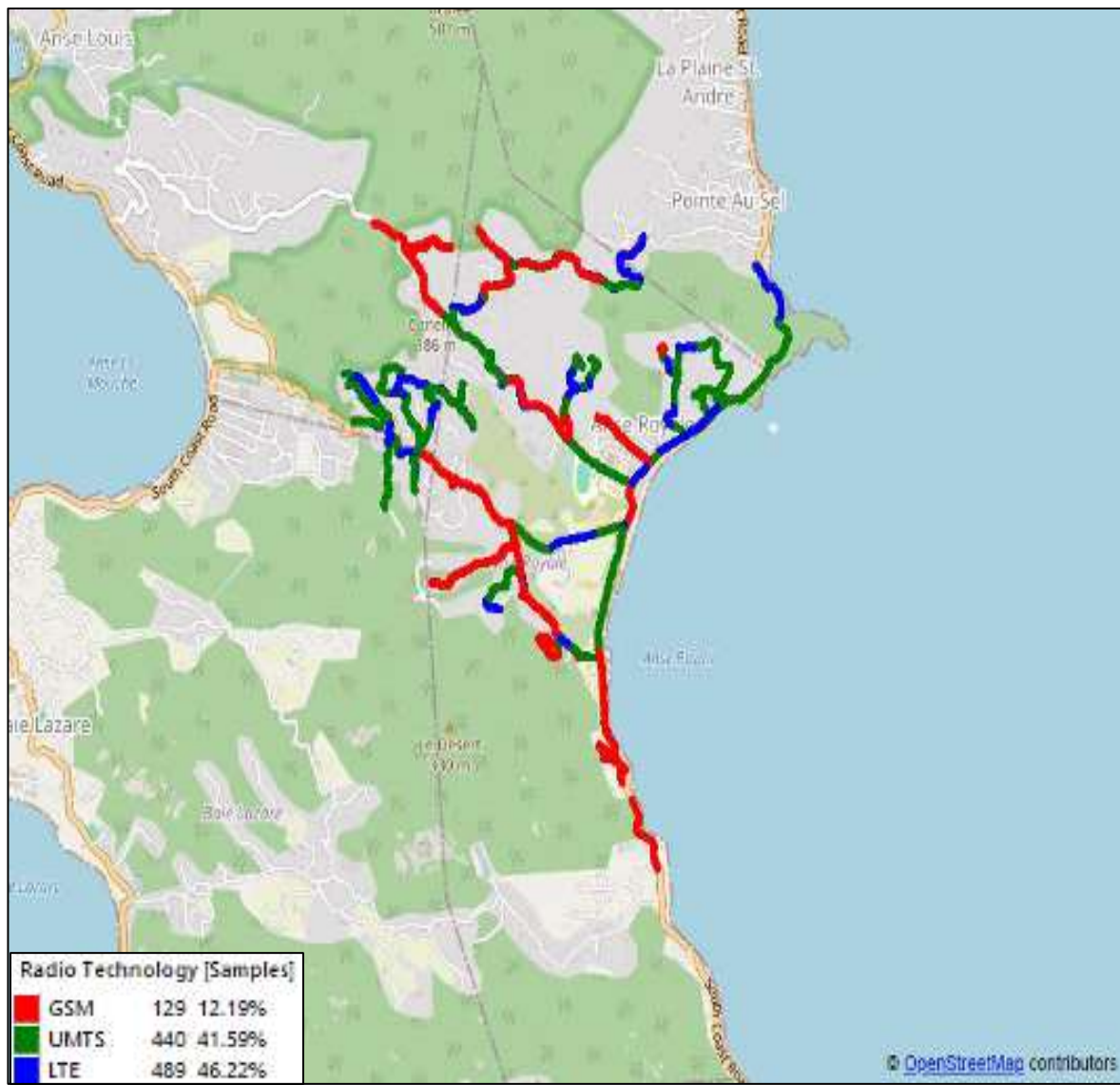


CWS LC MO

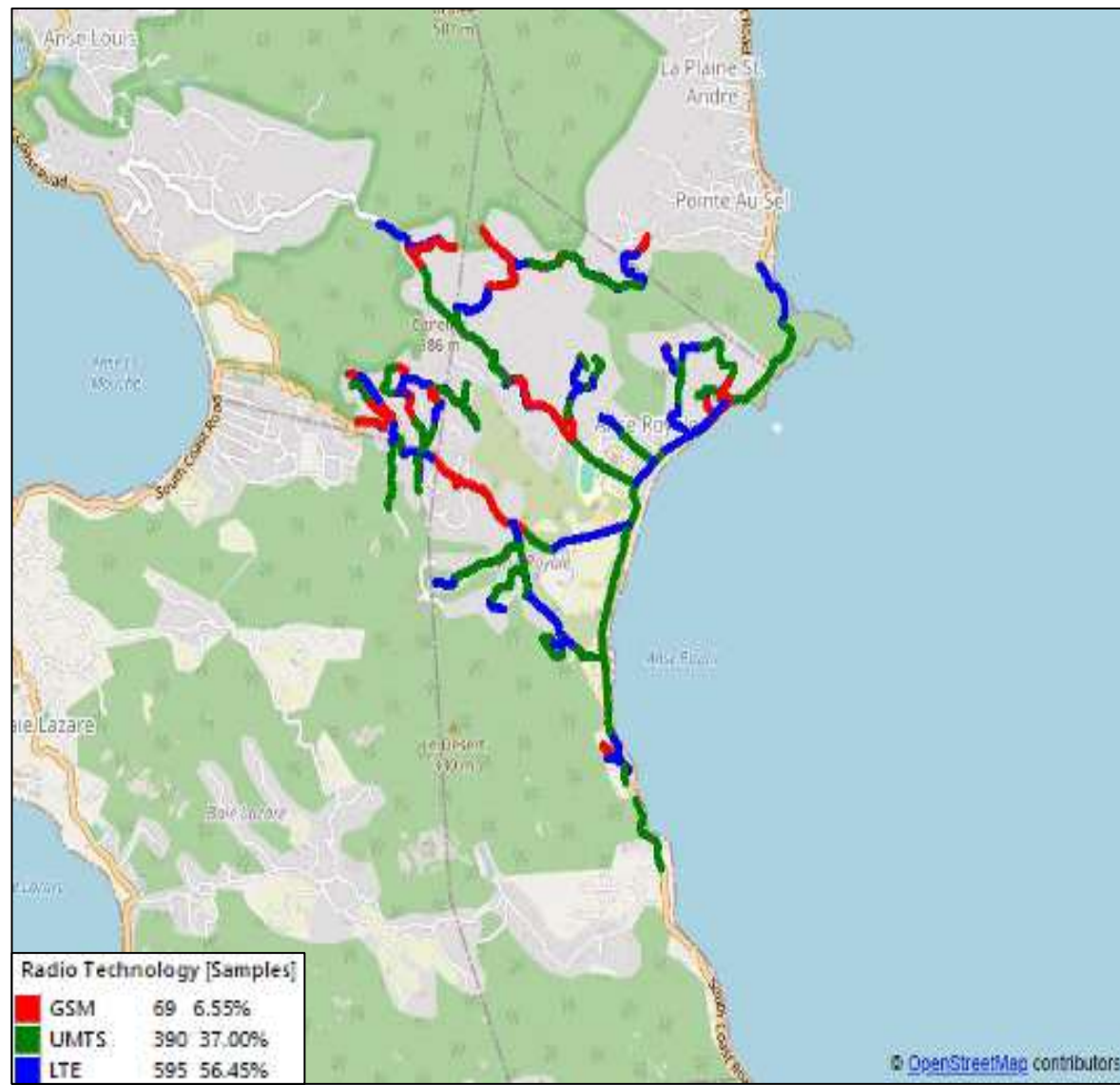


LONG CALL DRIVE PLOTS

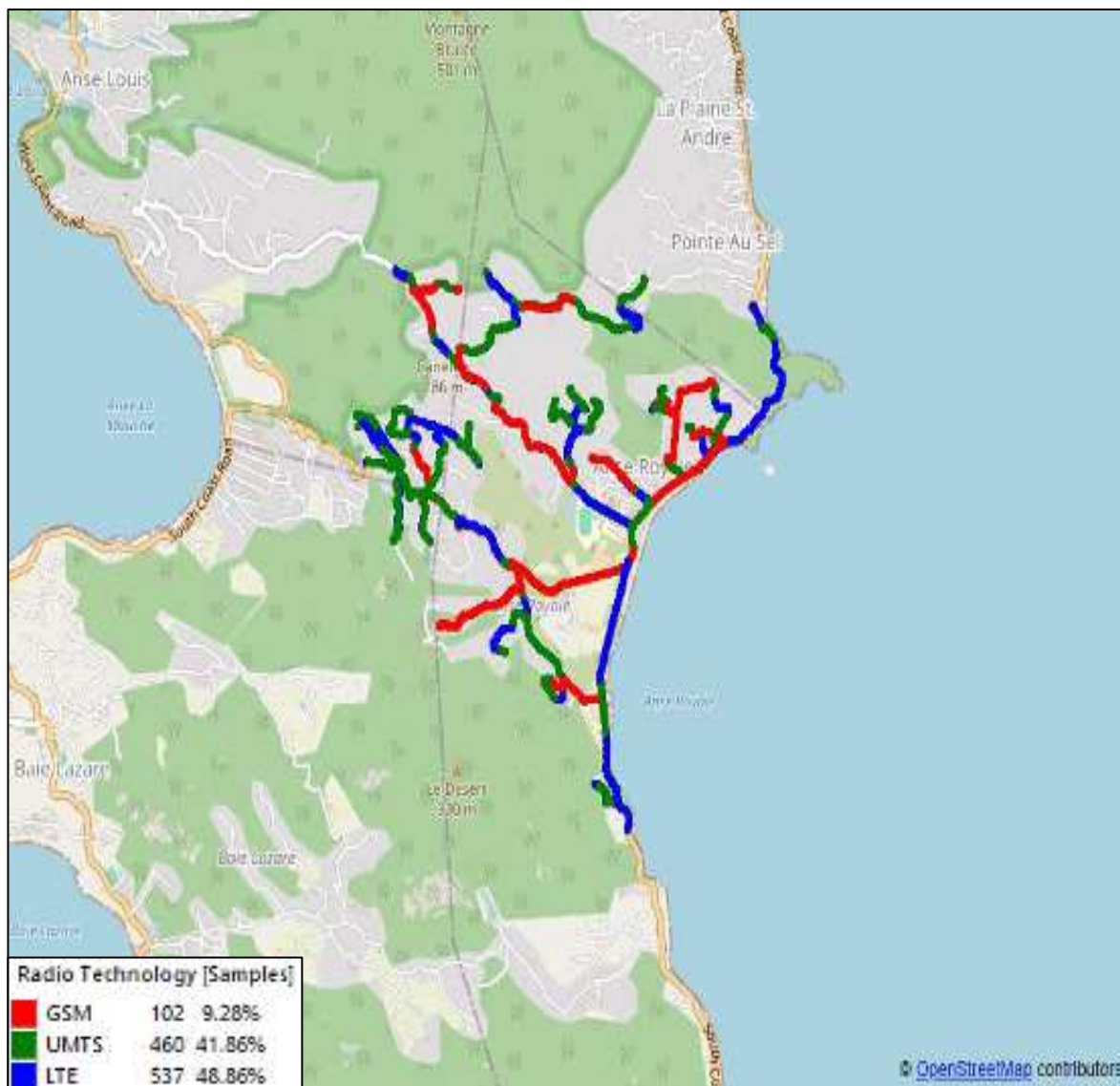
Airtel LC MO



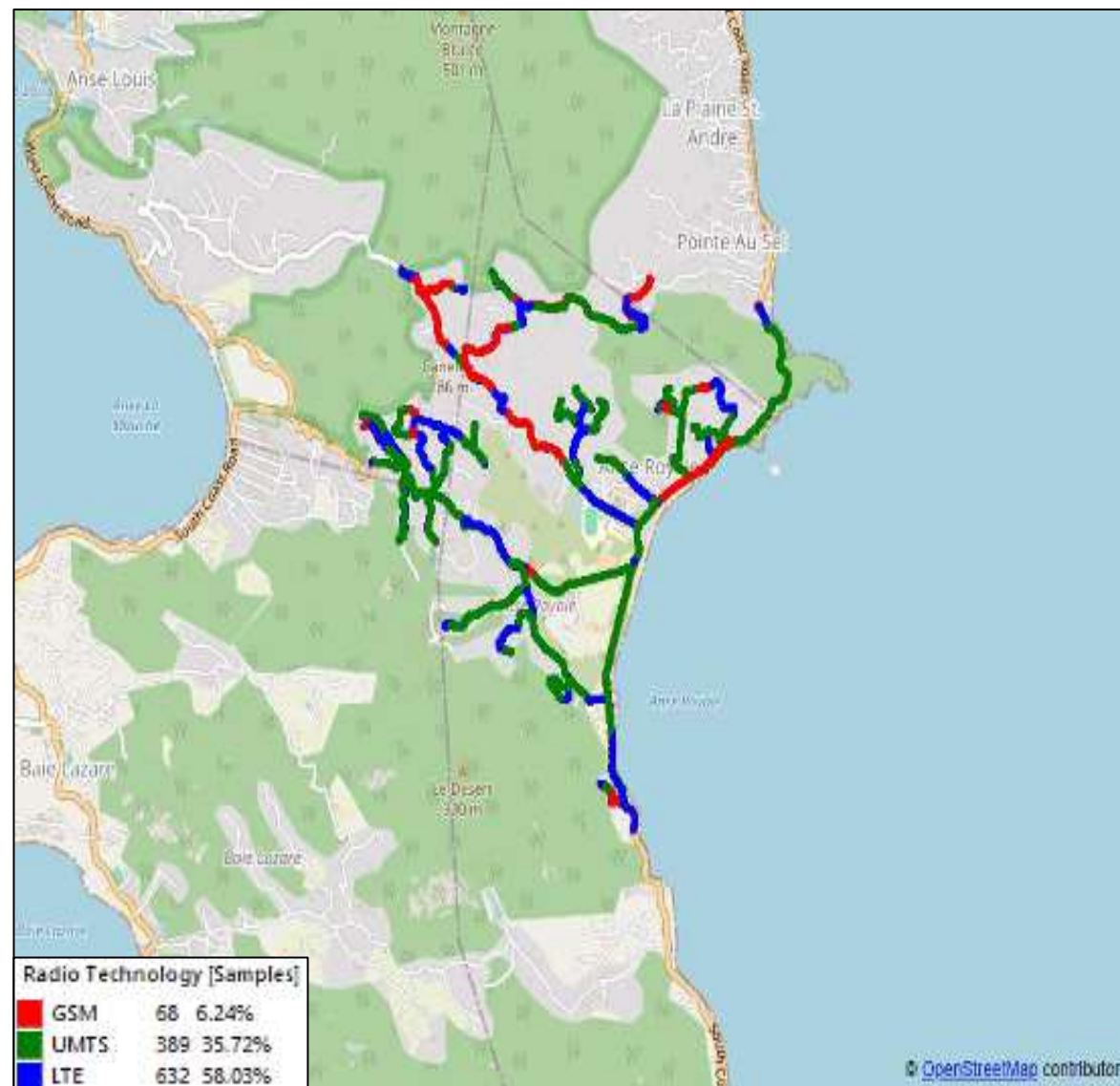
CWS LC MO



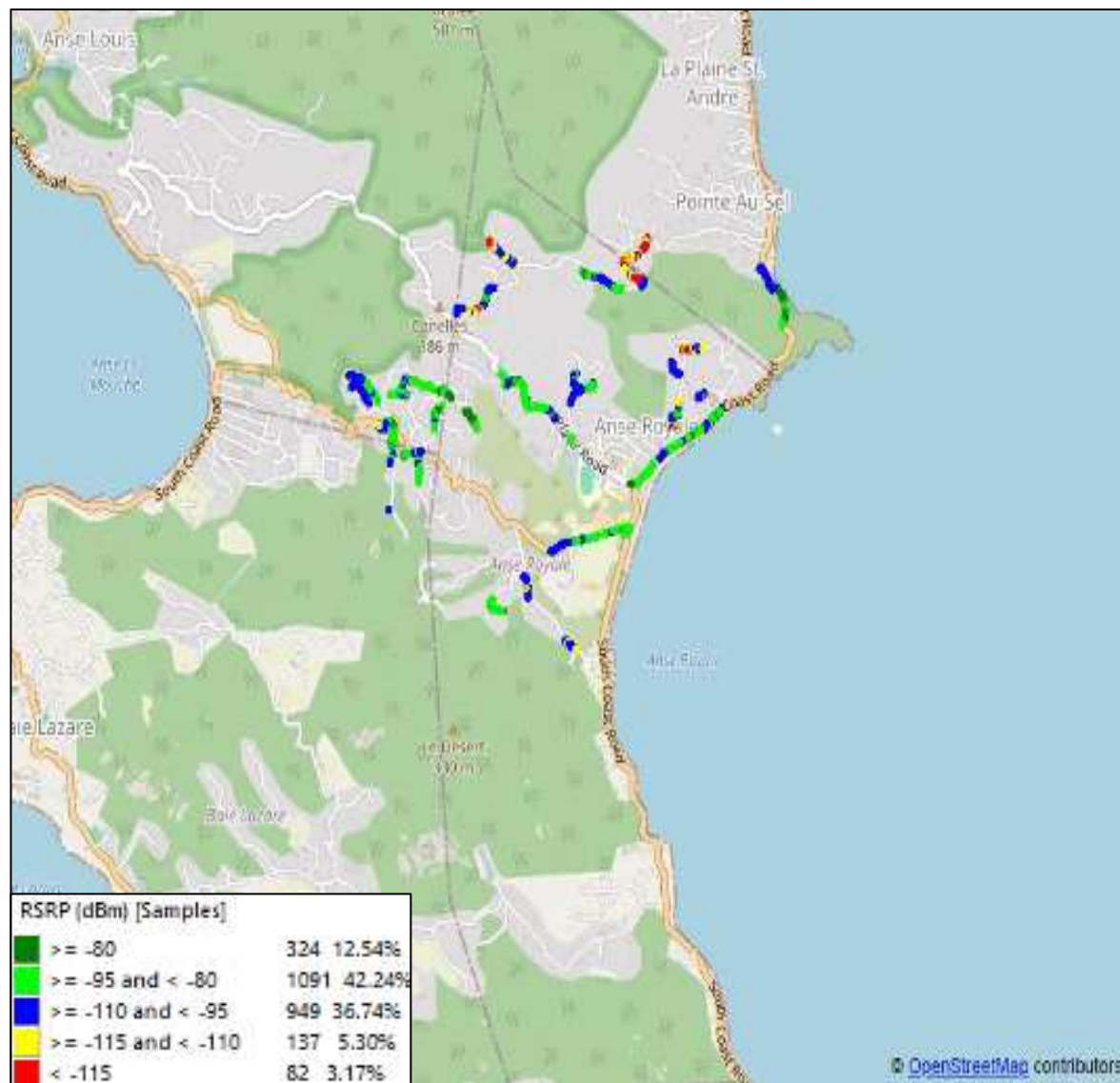
Airtel LC MO



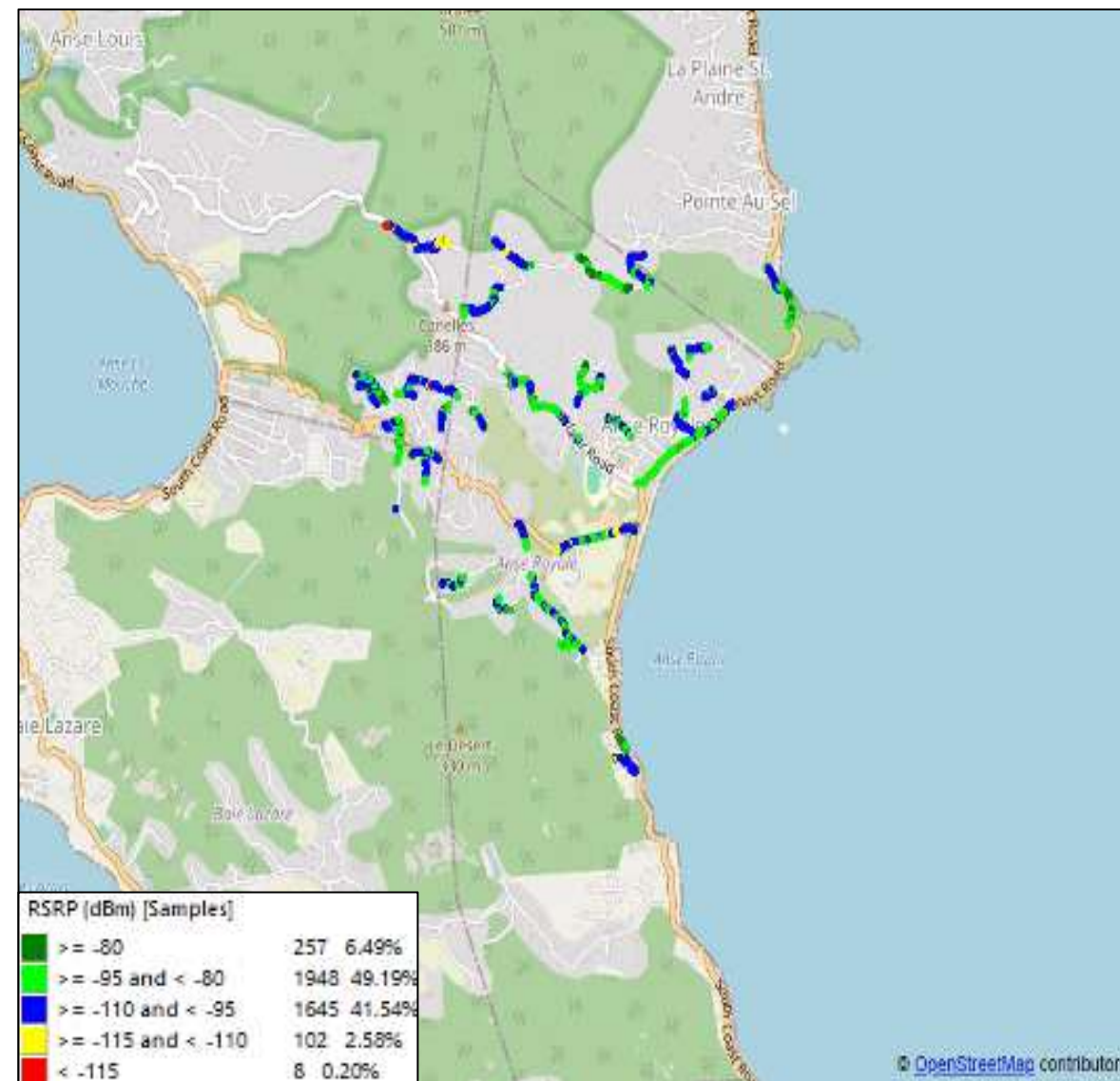
CWS LC MO



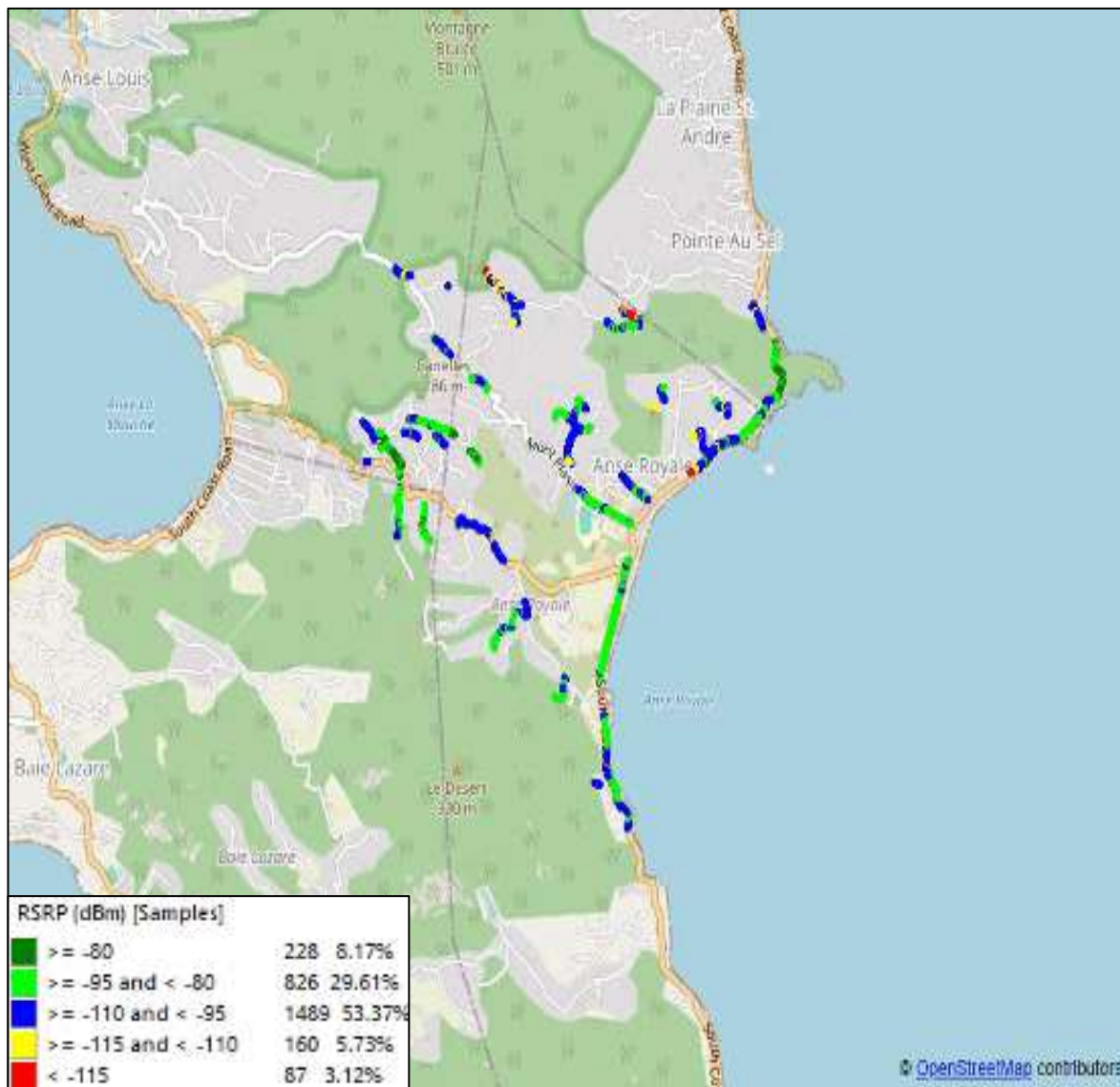
Airtel LC MO



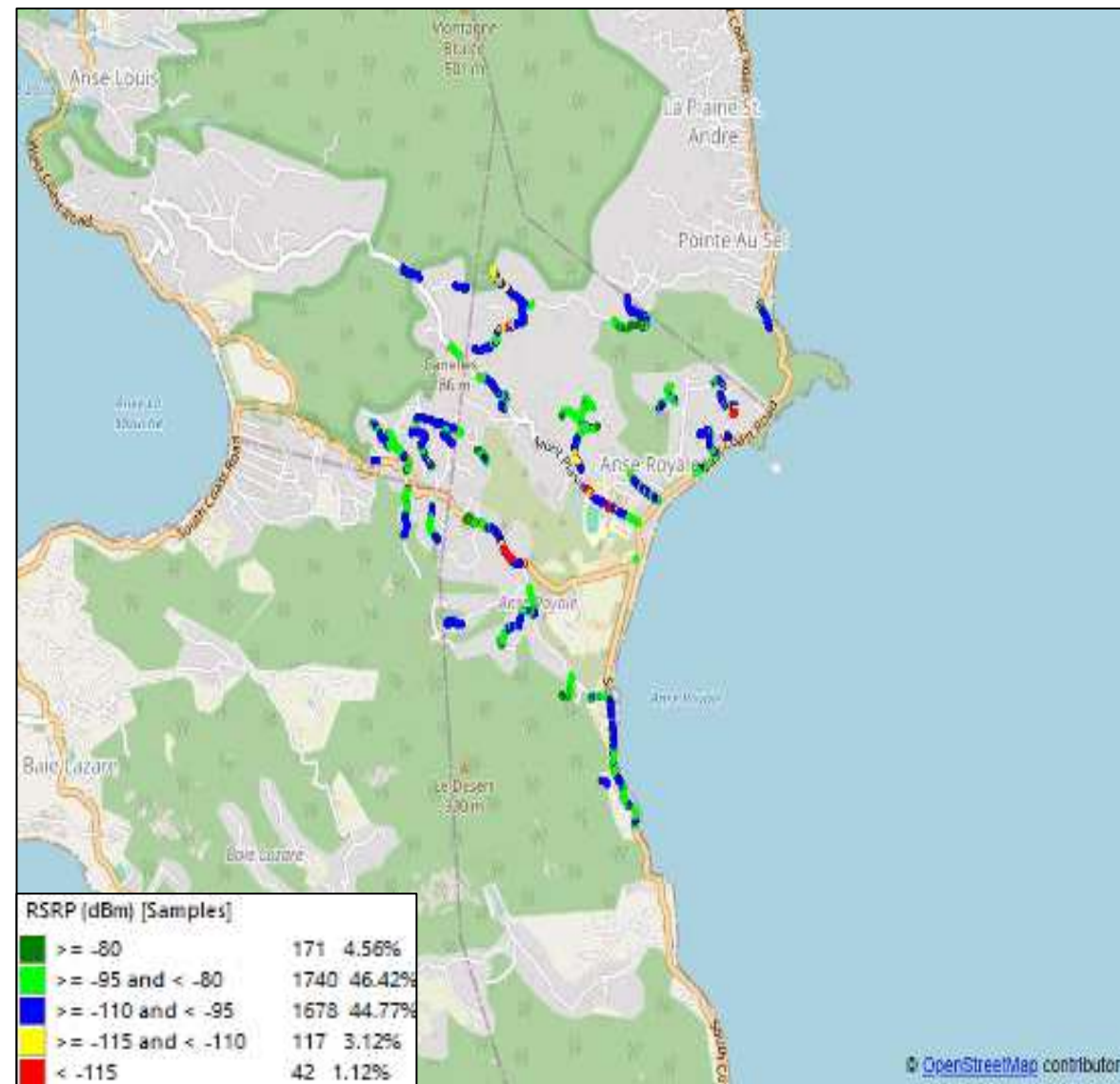
CWS LC MO



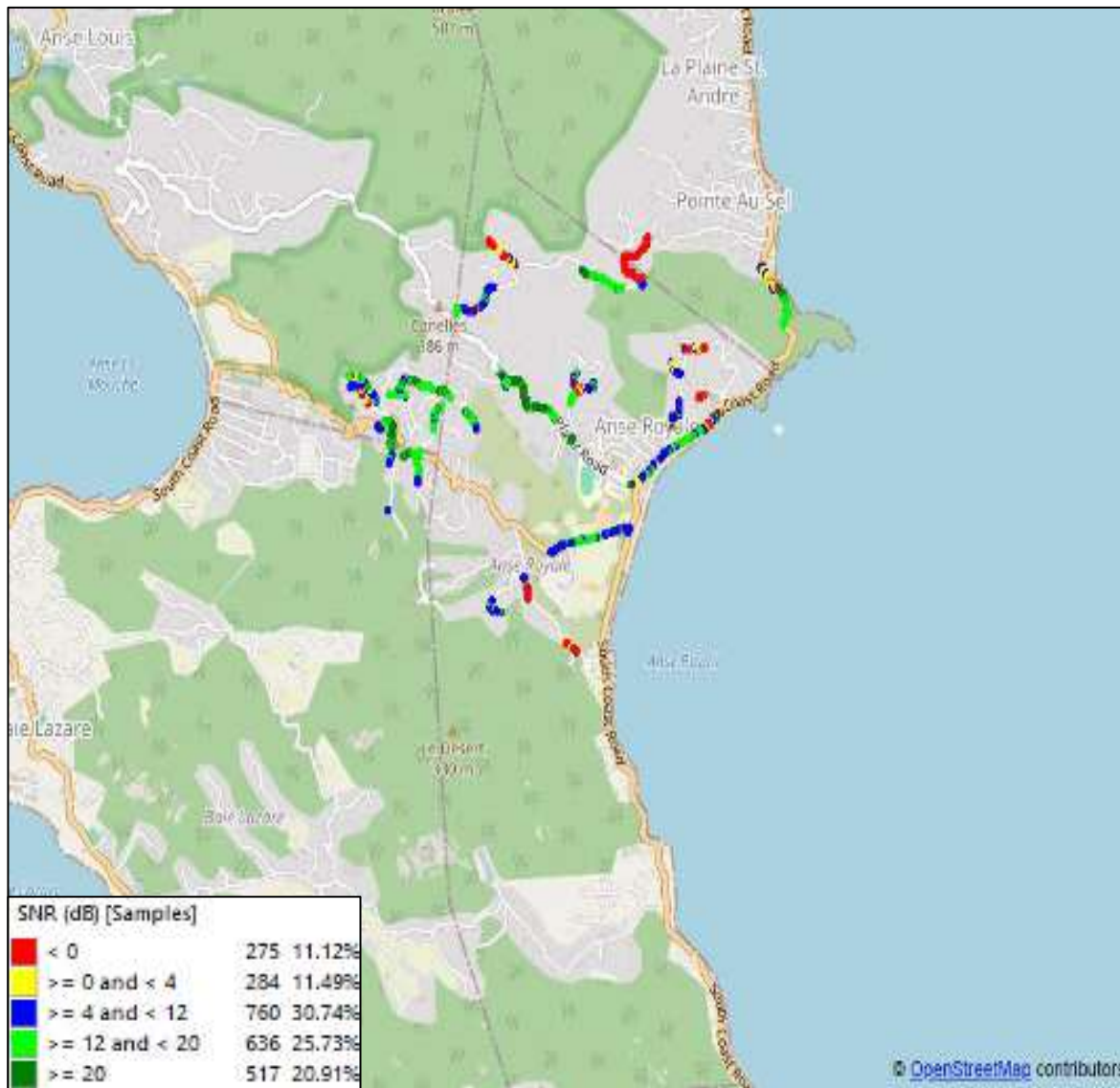
Airtel LC MO



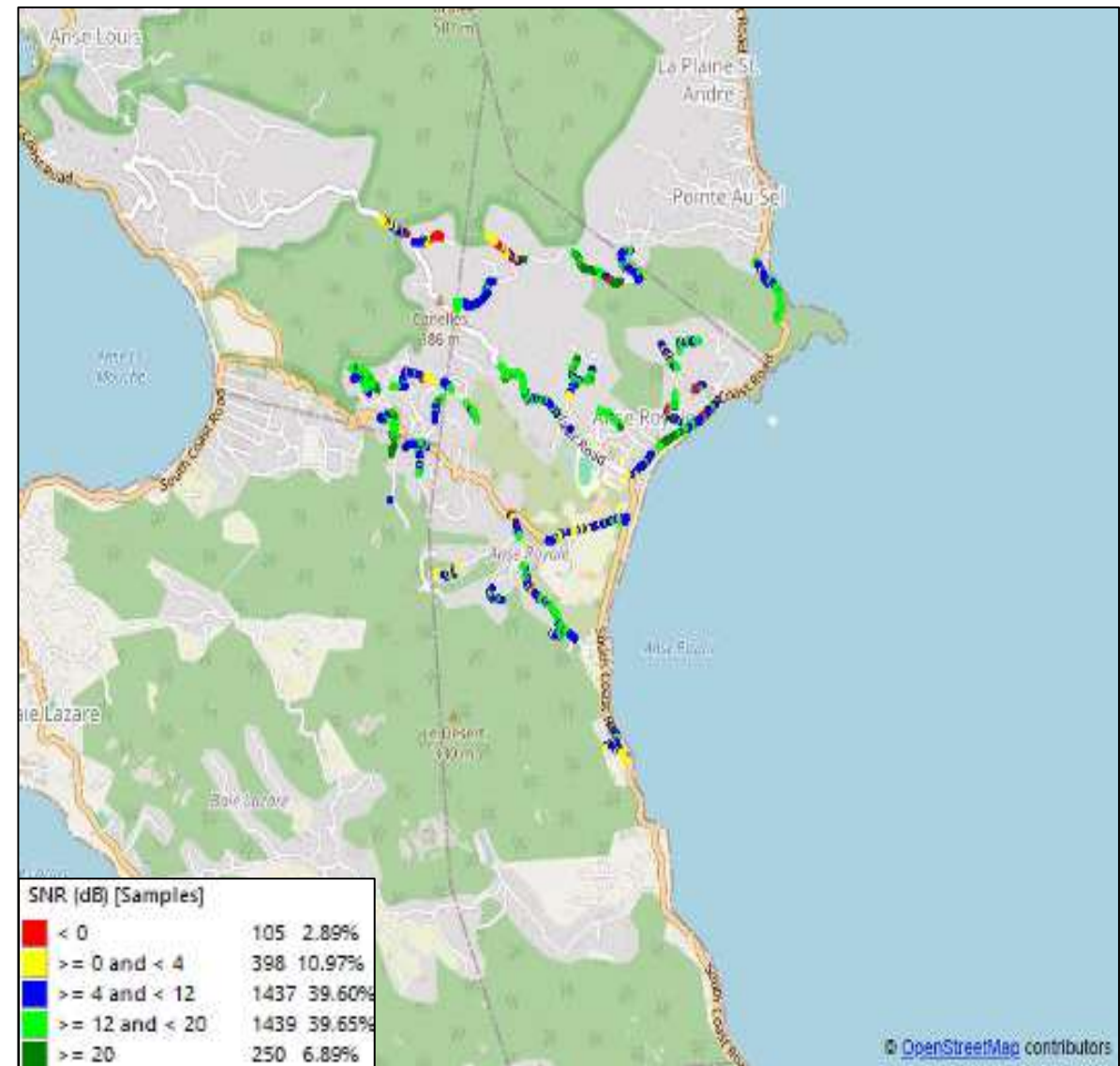
CWS LC MO



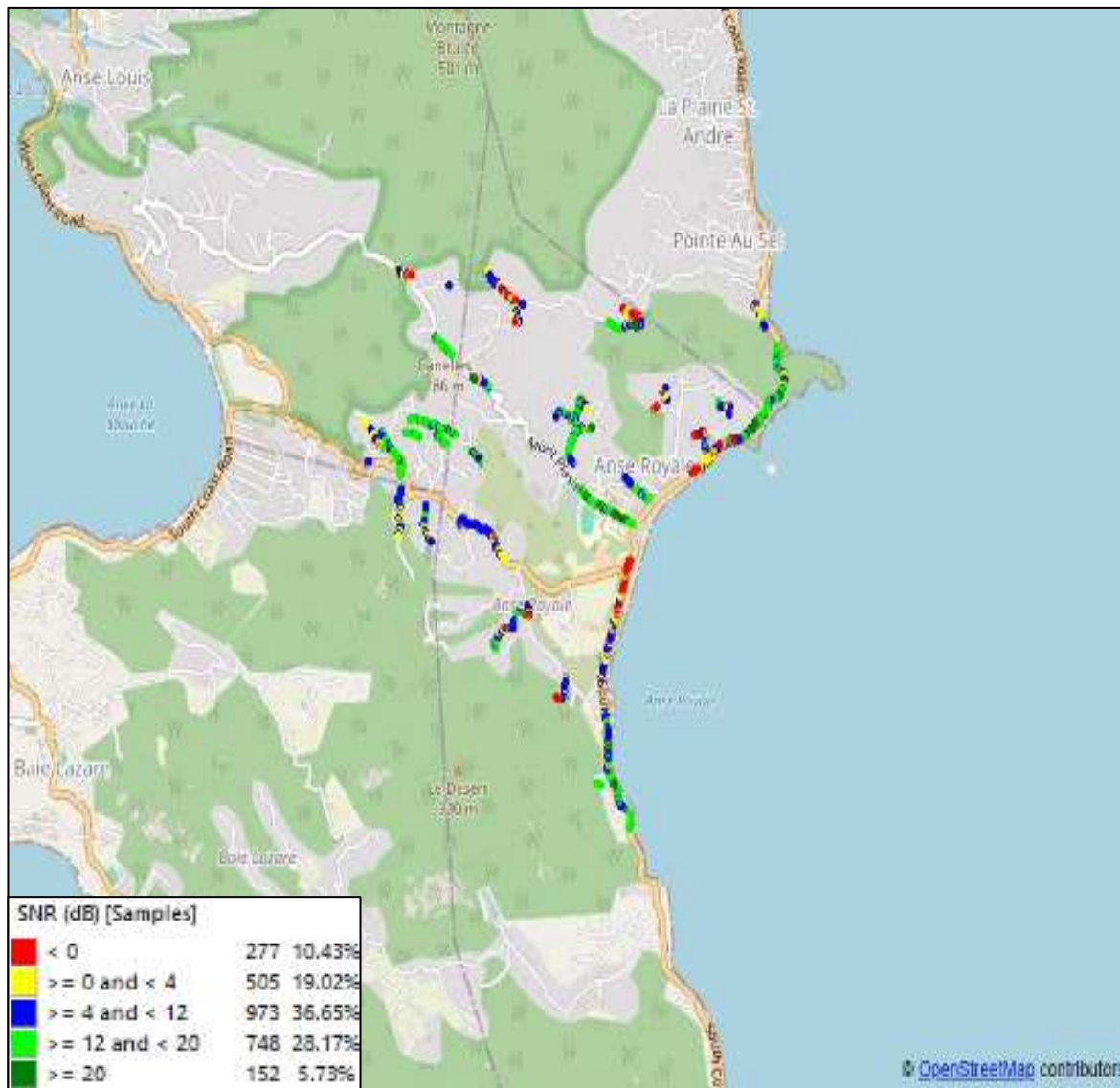
Airtel LC MO



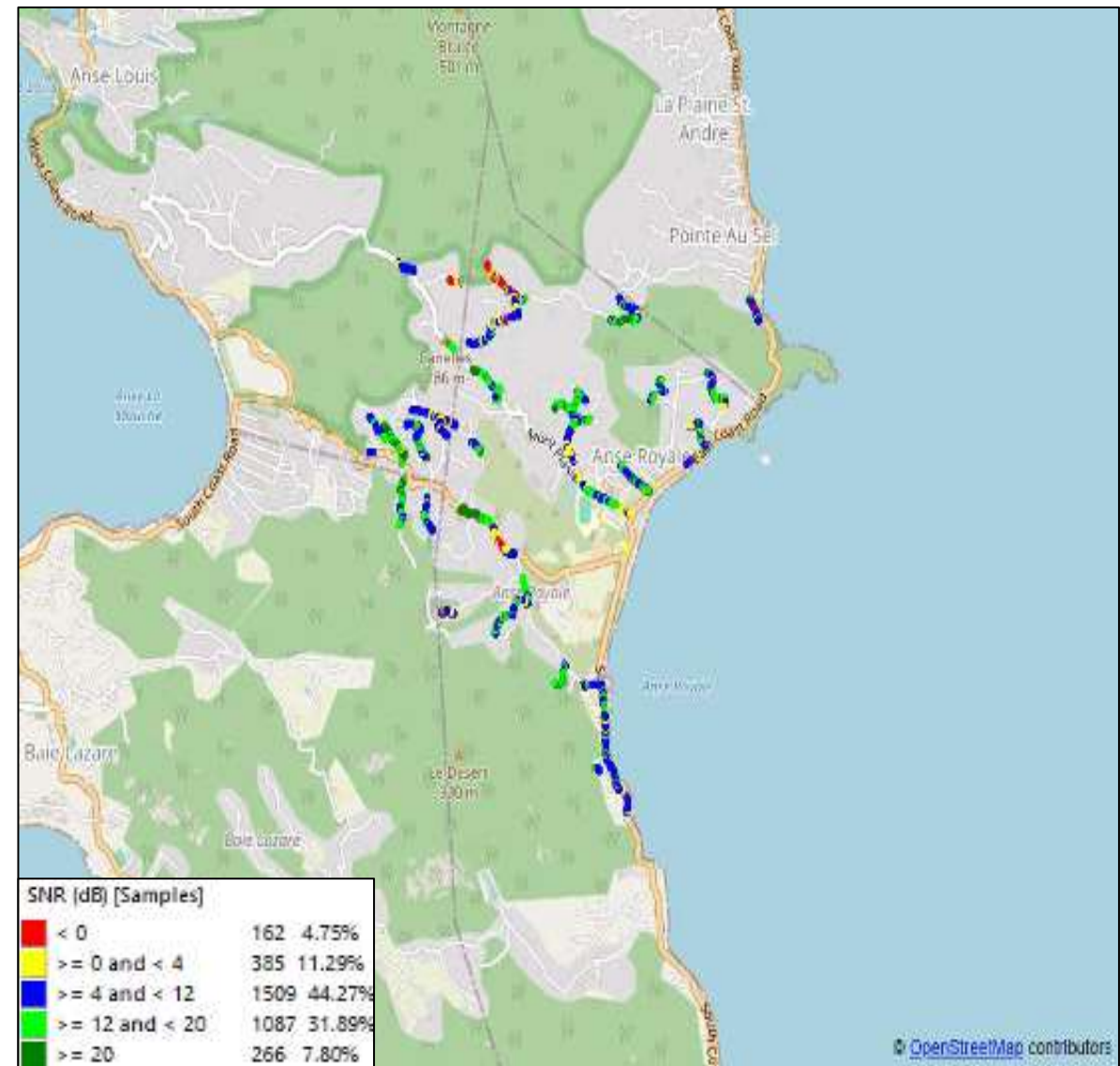
CWS LC MO



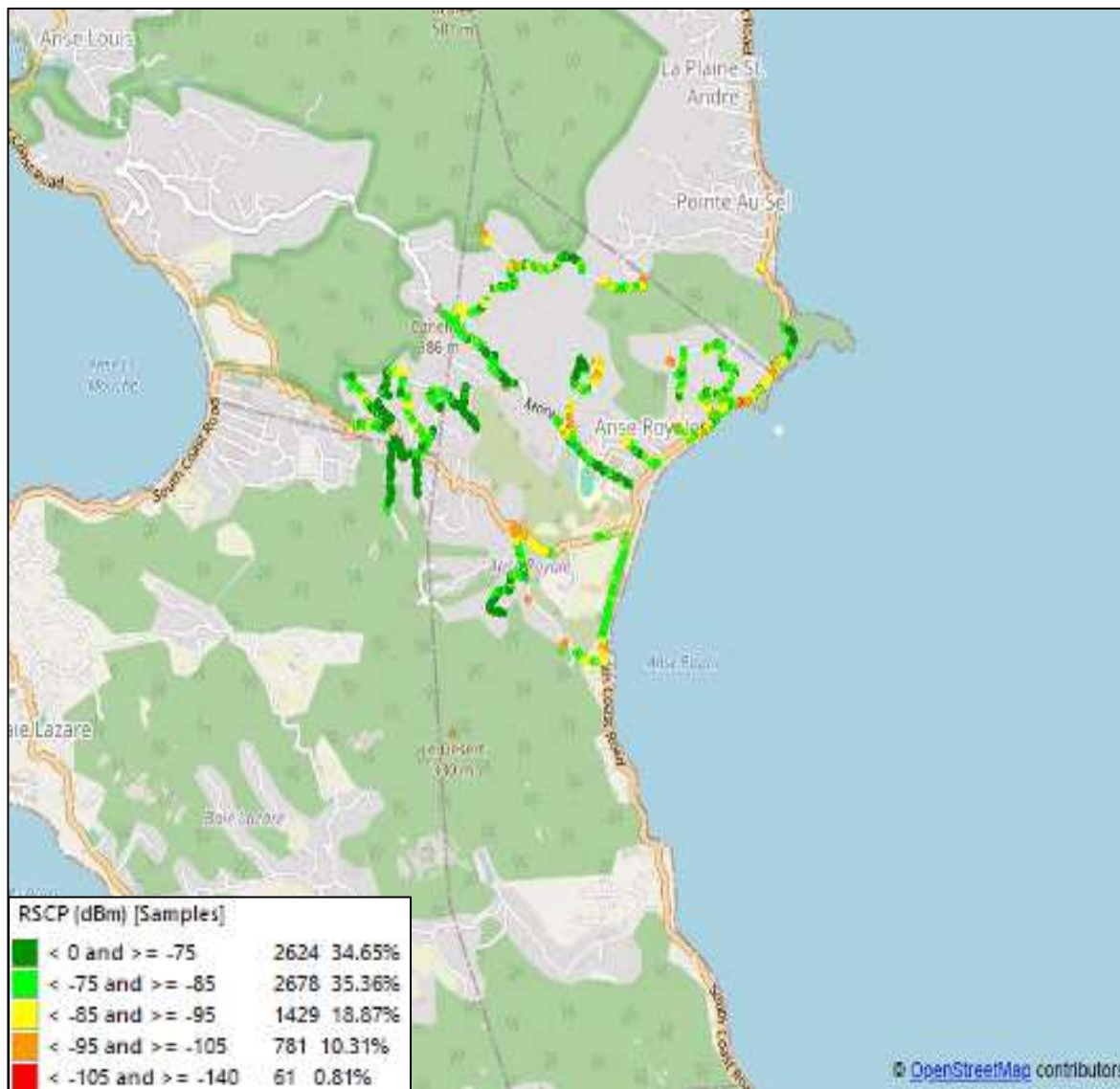
Airtel LC MO



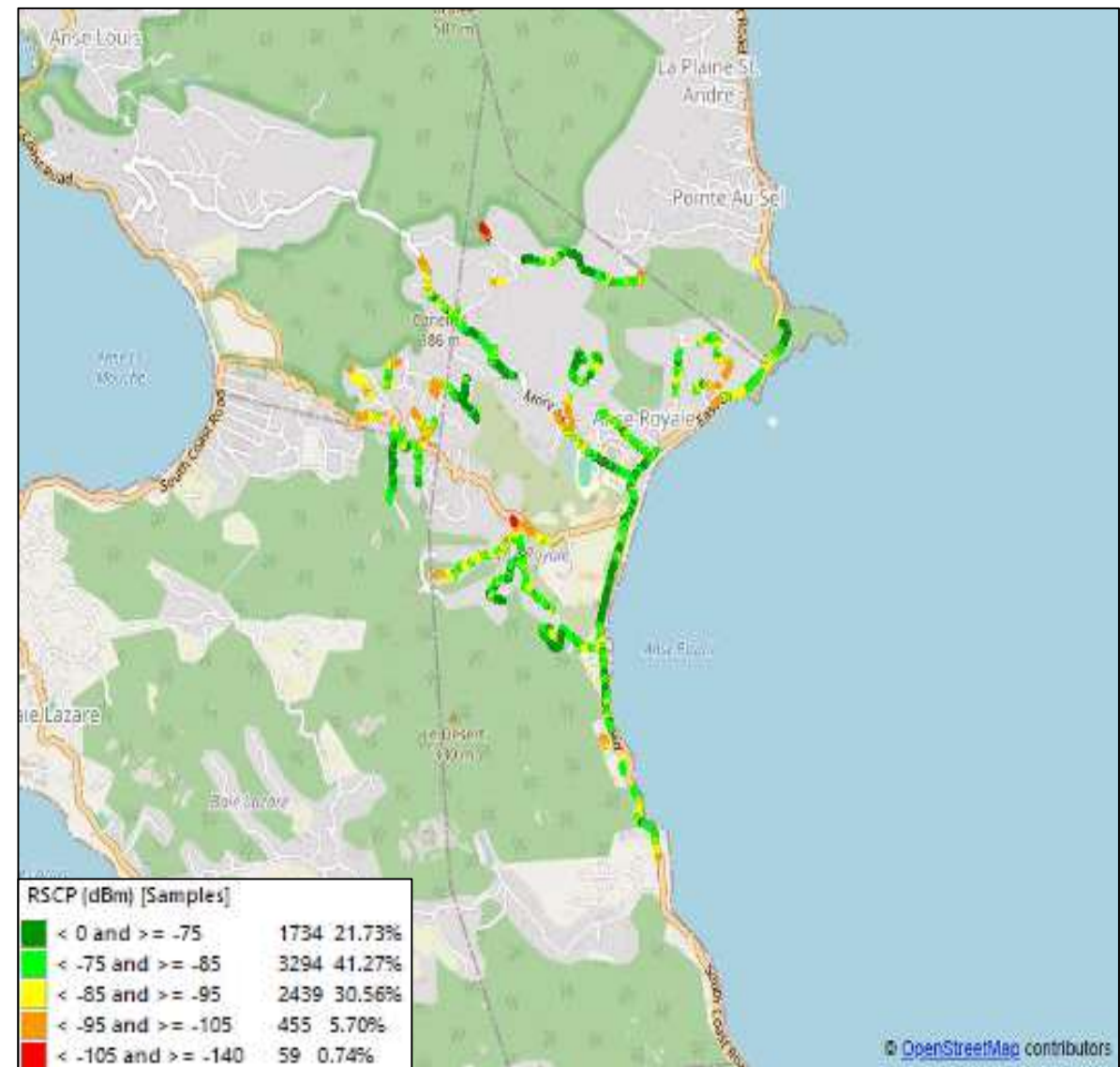
CWS LC MO



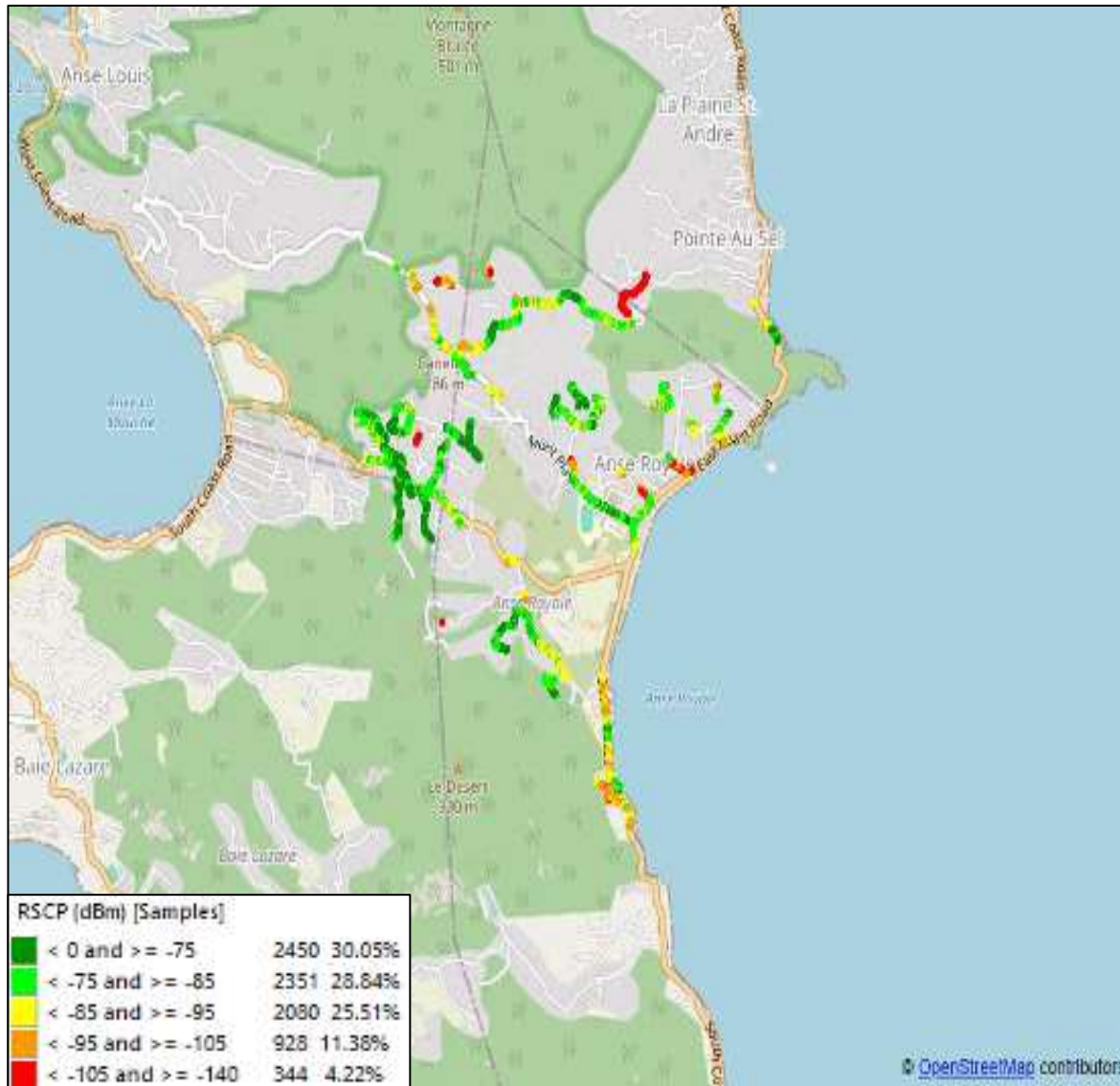
Airtel LC MO



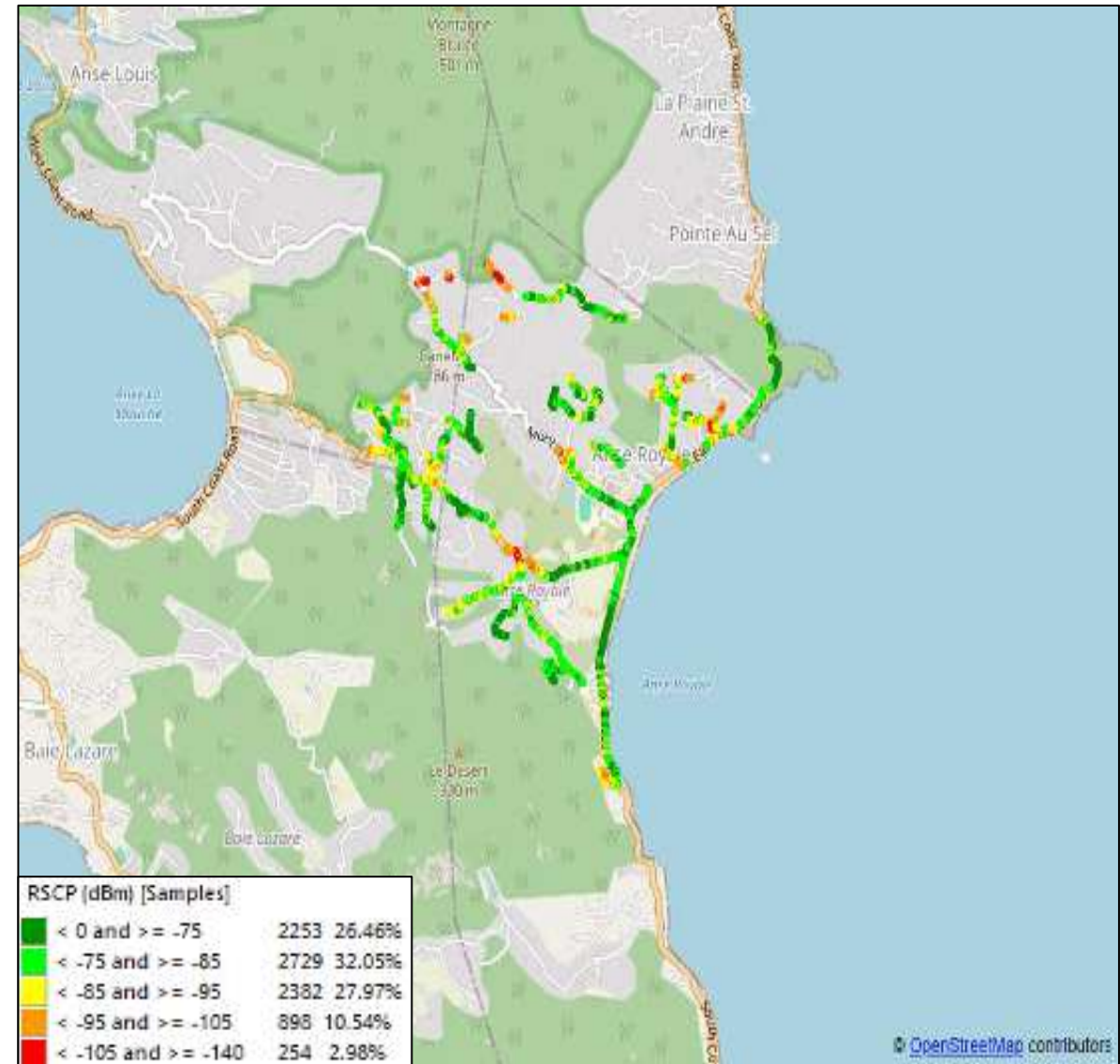
CWS LC MO



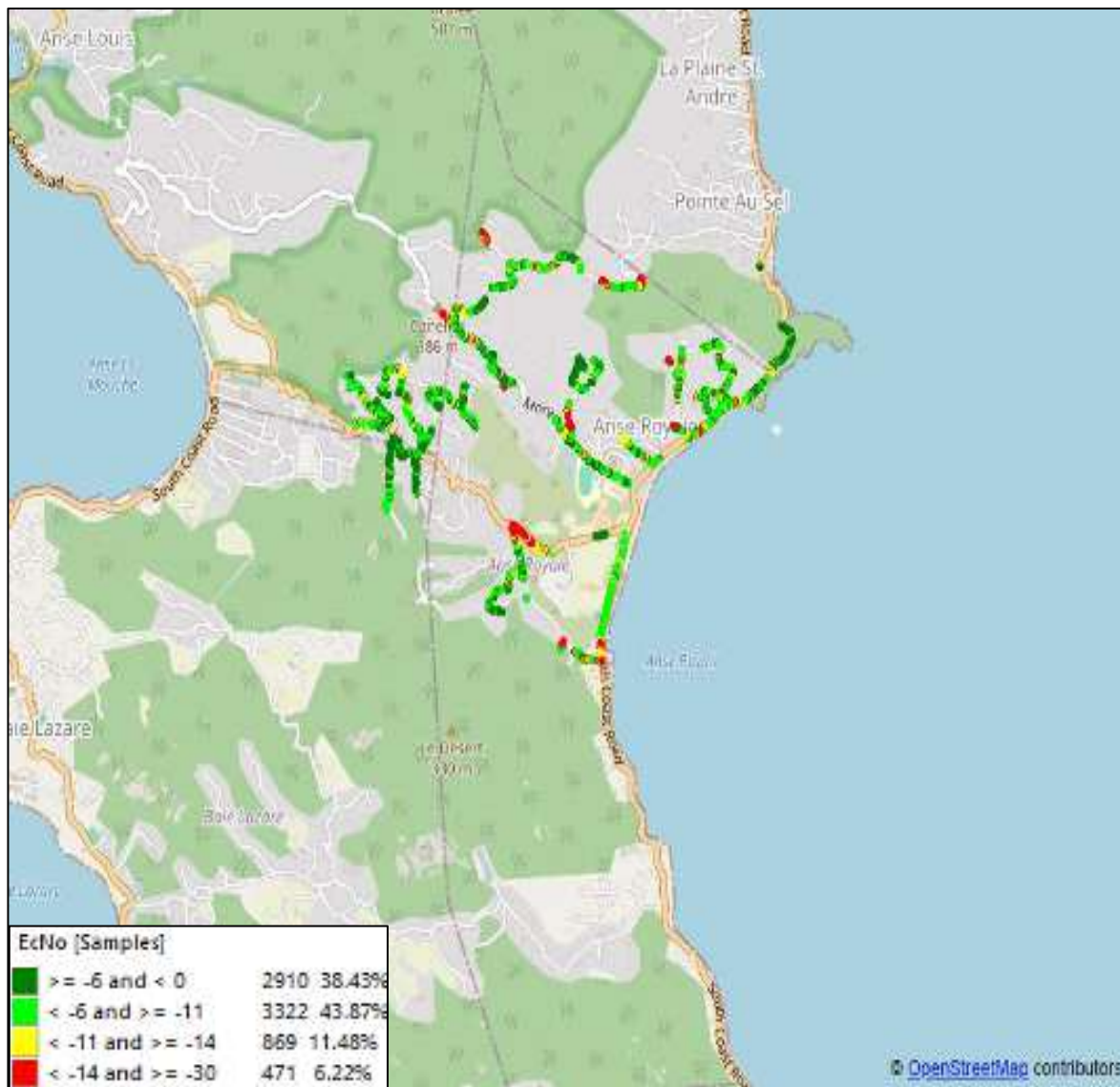
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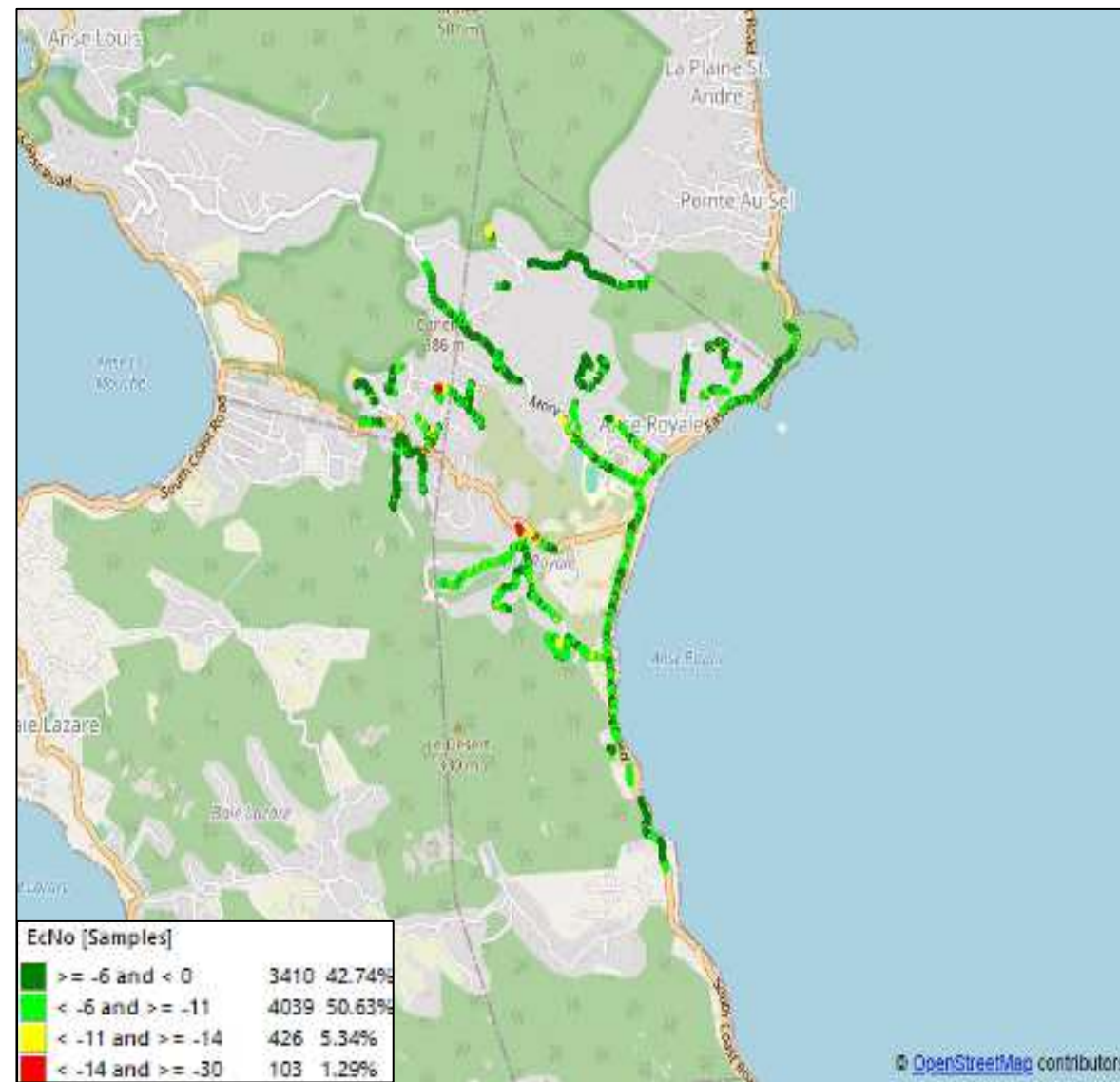
CWS LC MO



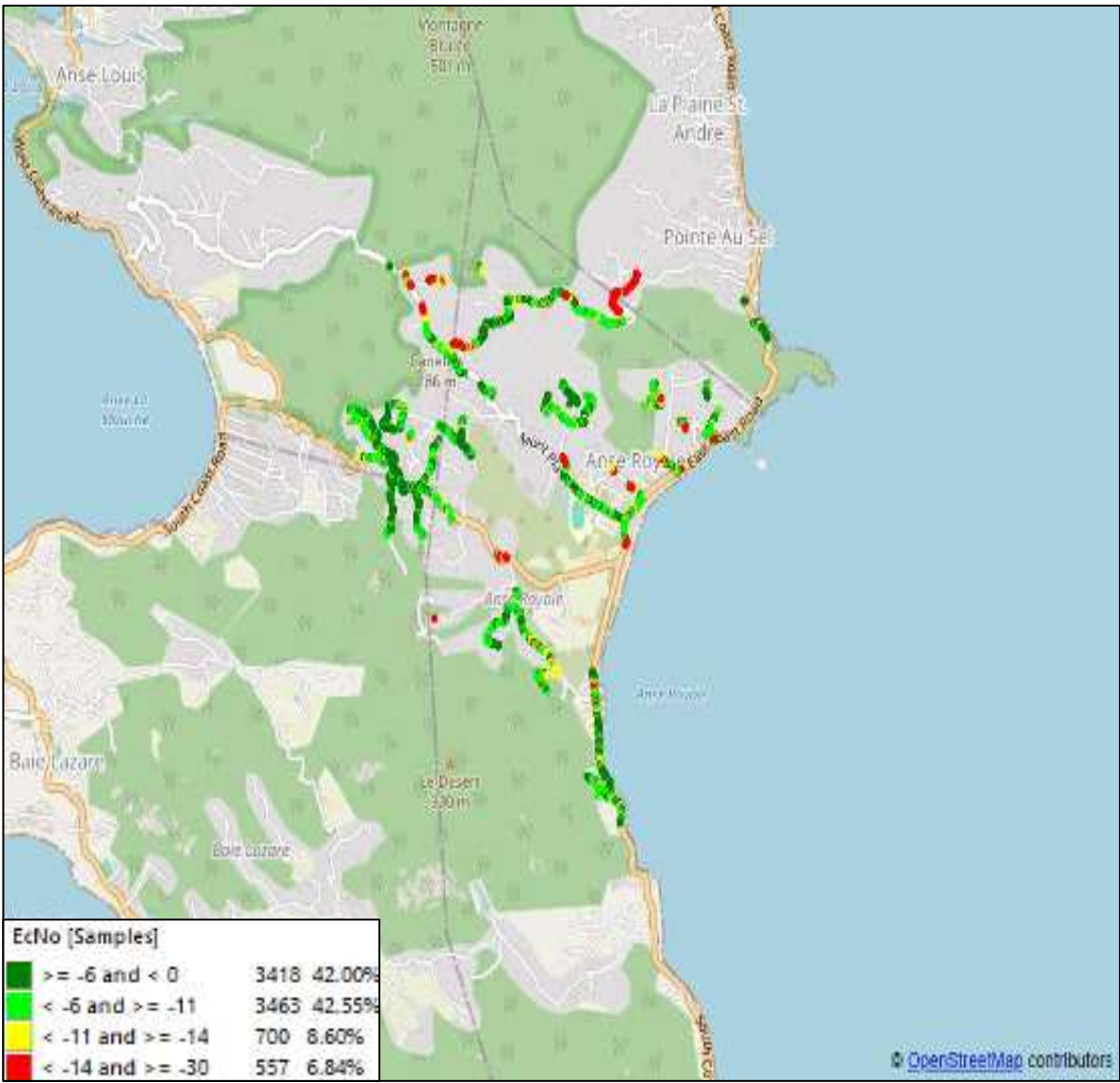
Airtel LC MO



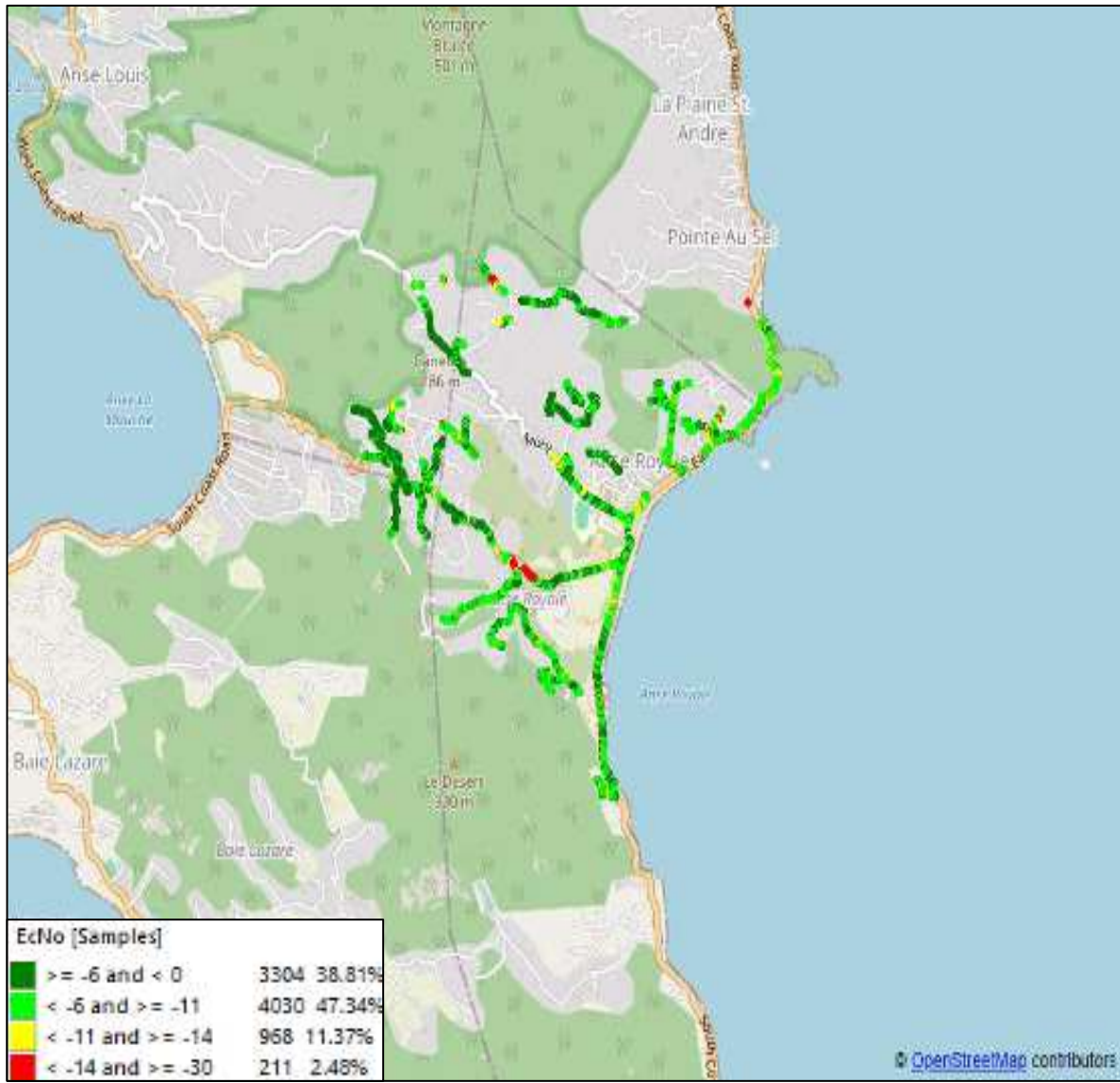
CWS LC MO



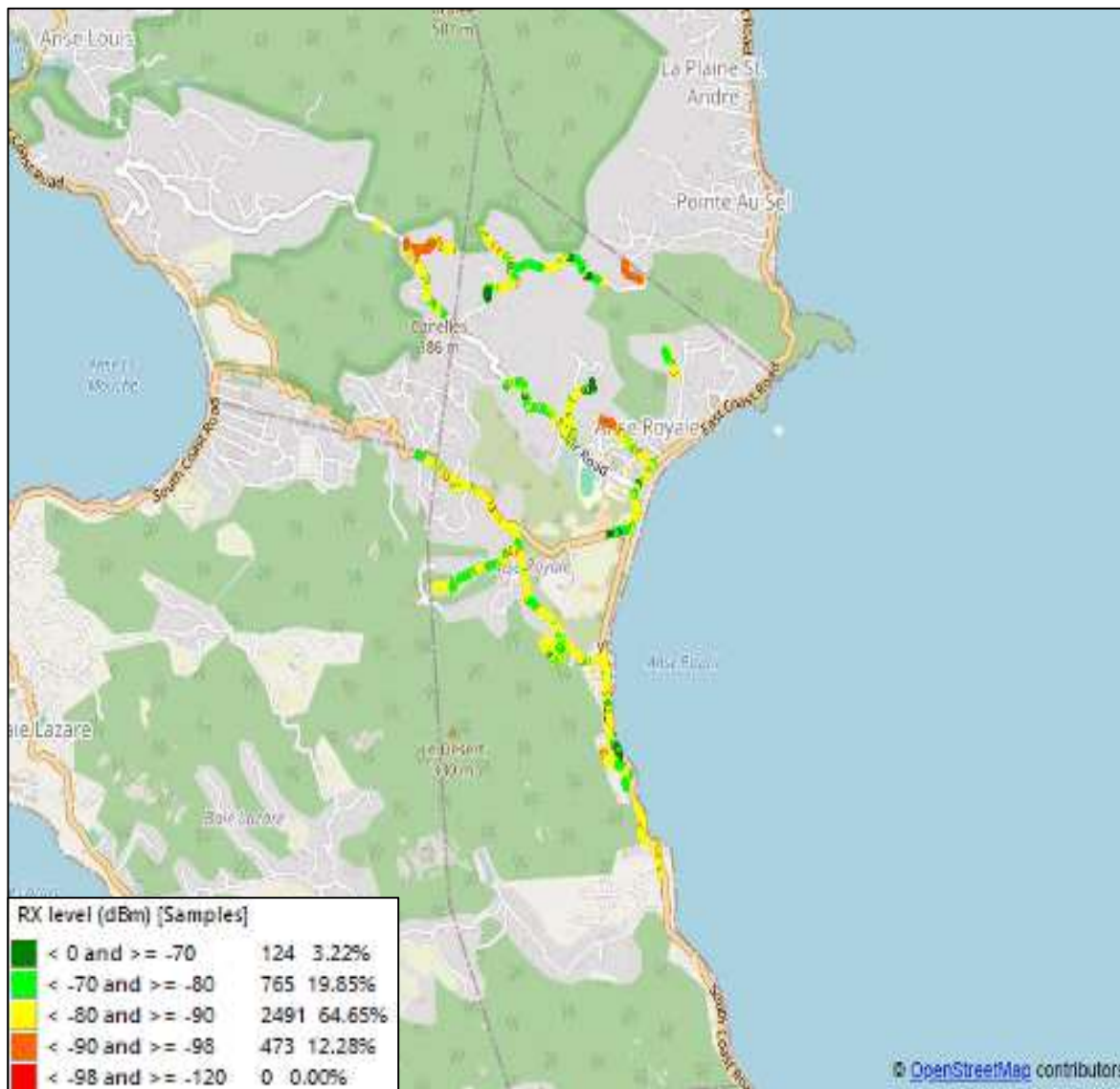
Airtel LC MO



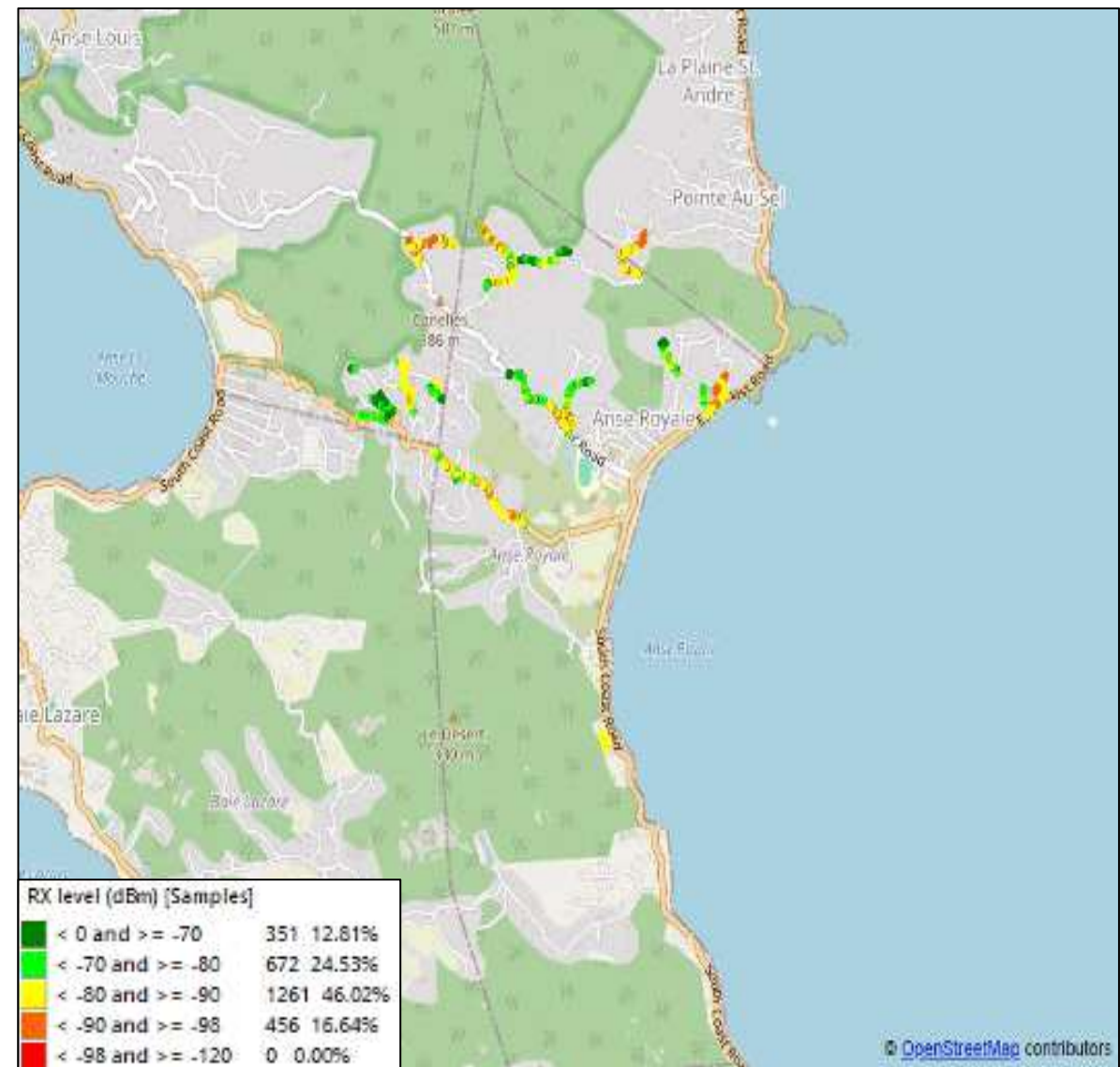
CWS LC MO



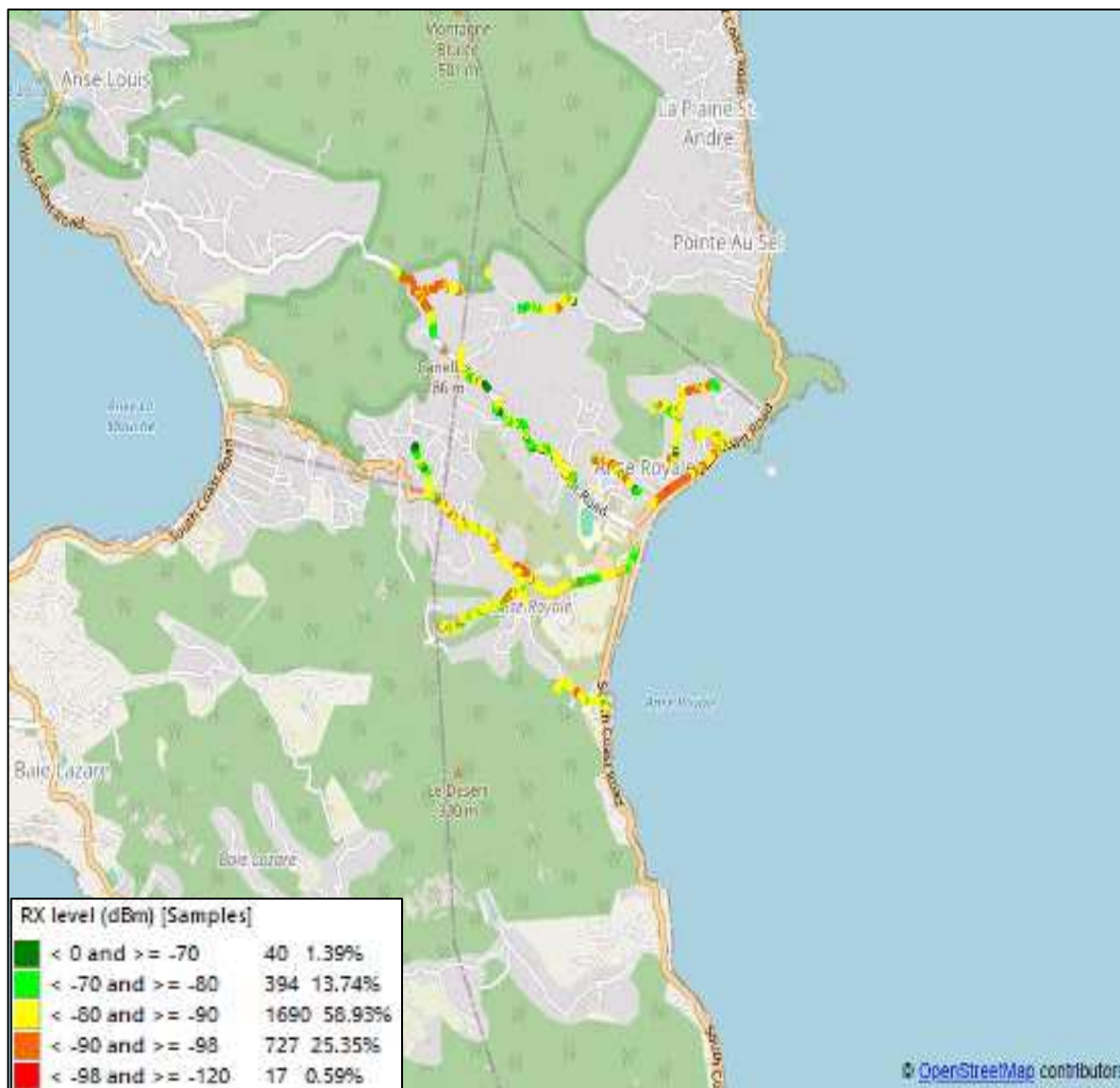
Airtel LC MO



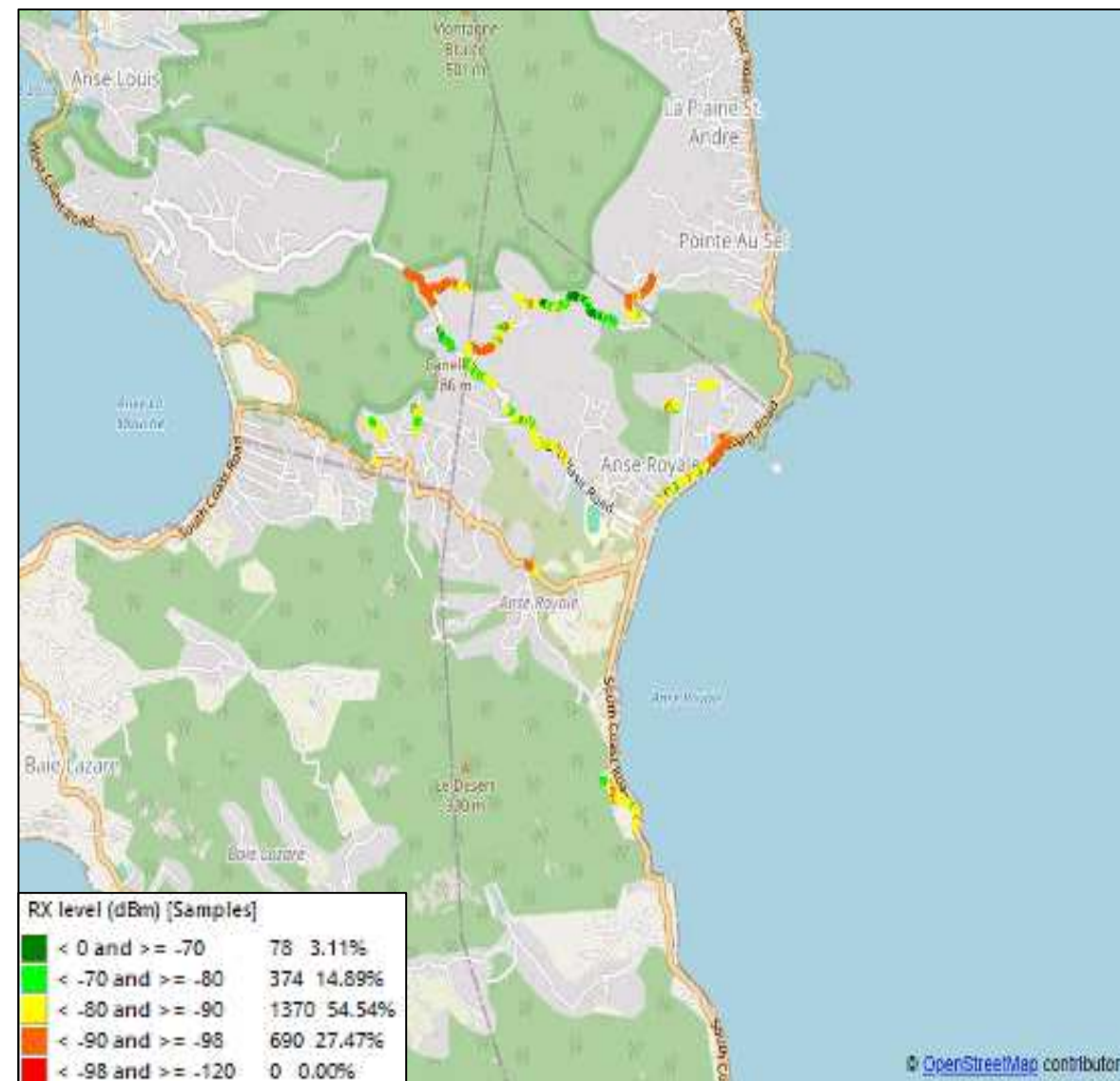
CWS LC MO



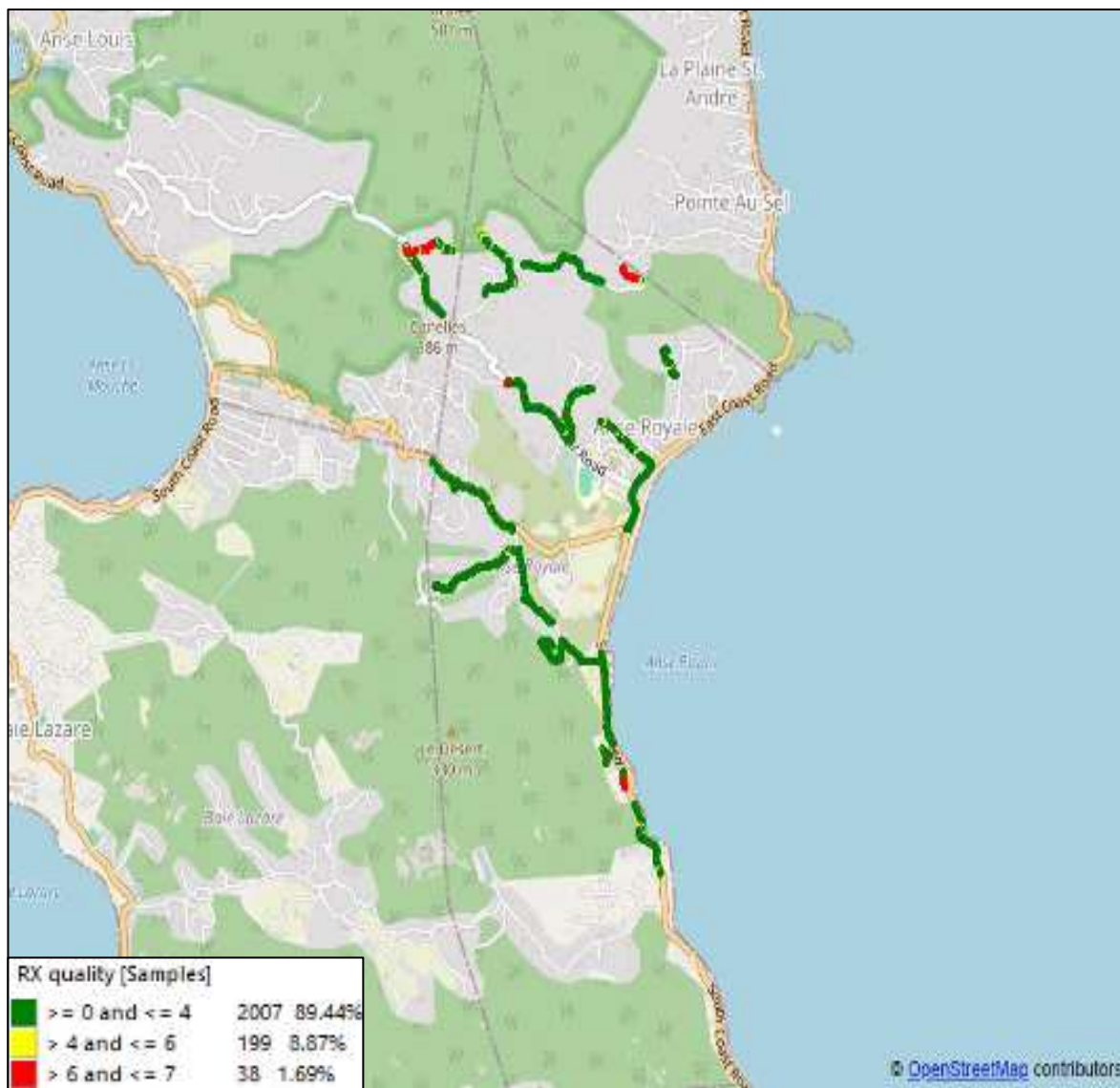
Airtel LC MO



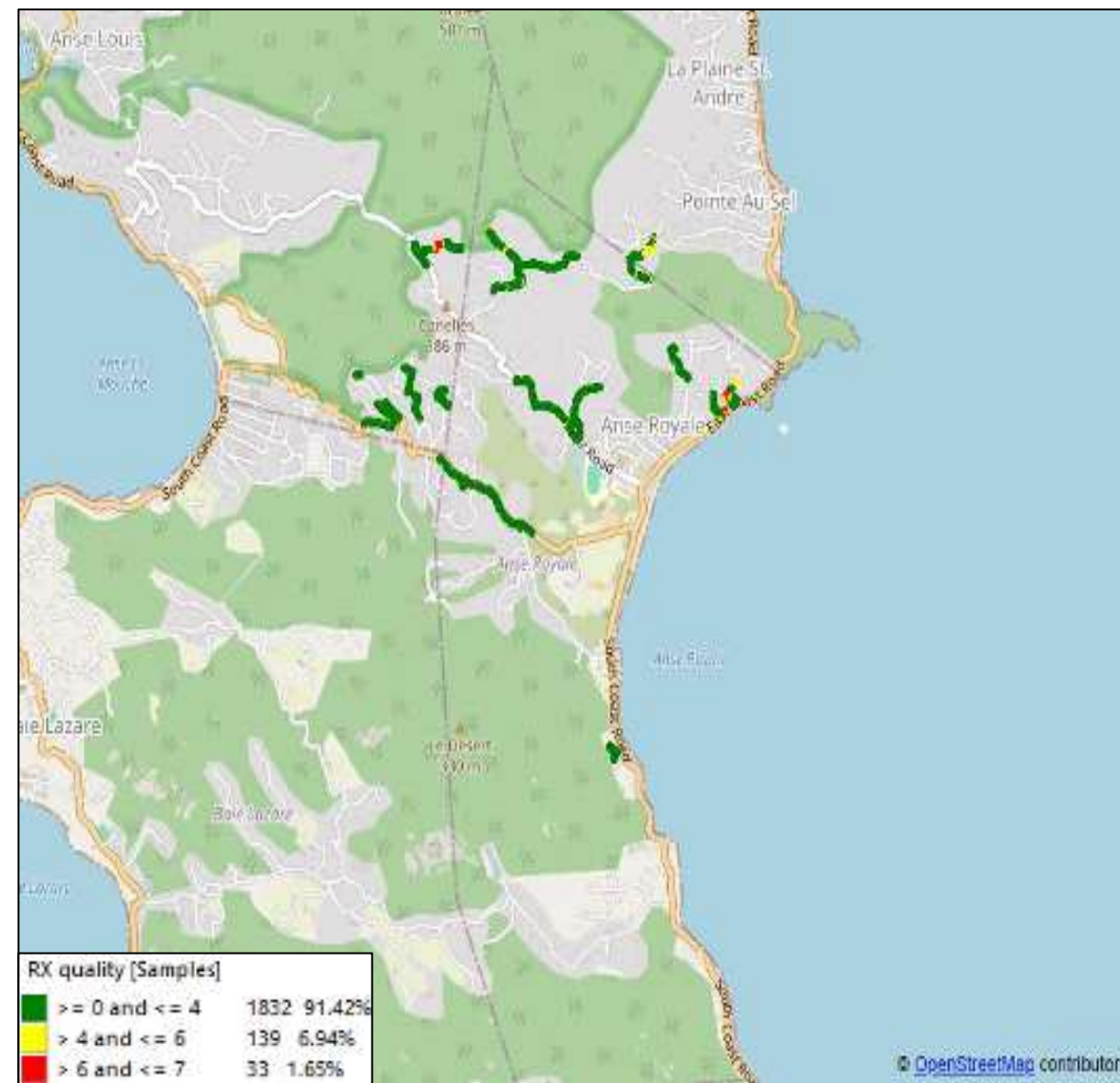
CWS LC MO



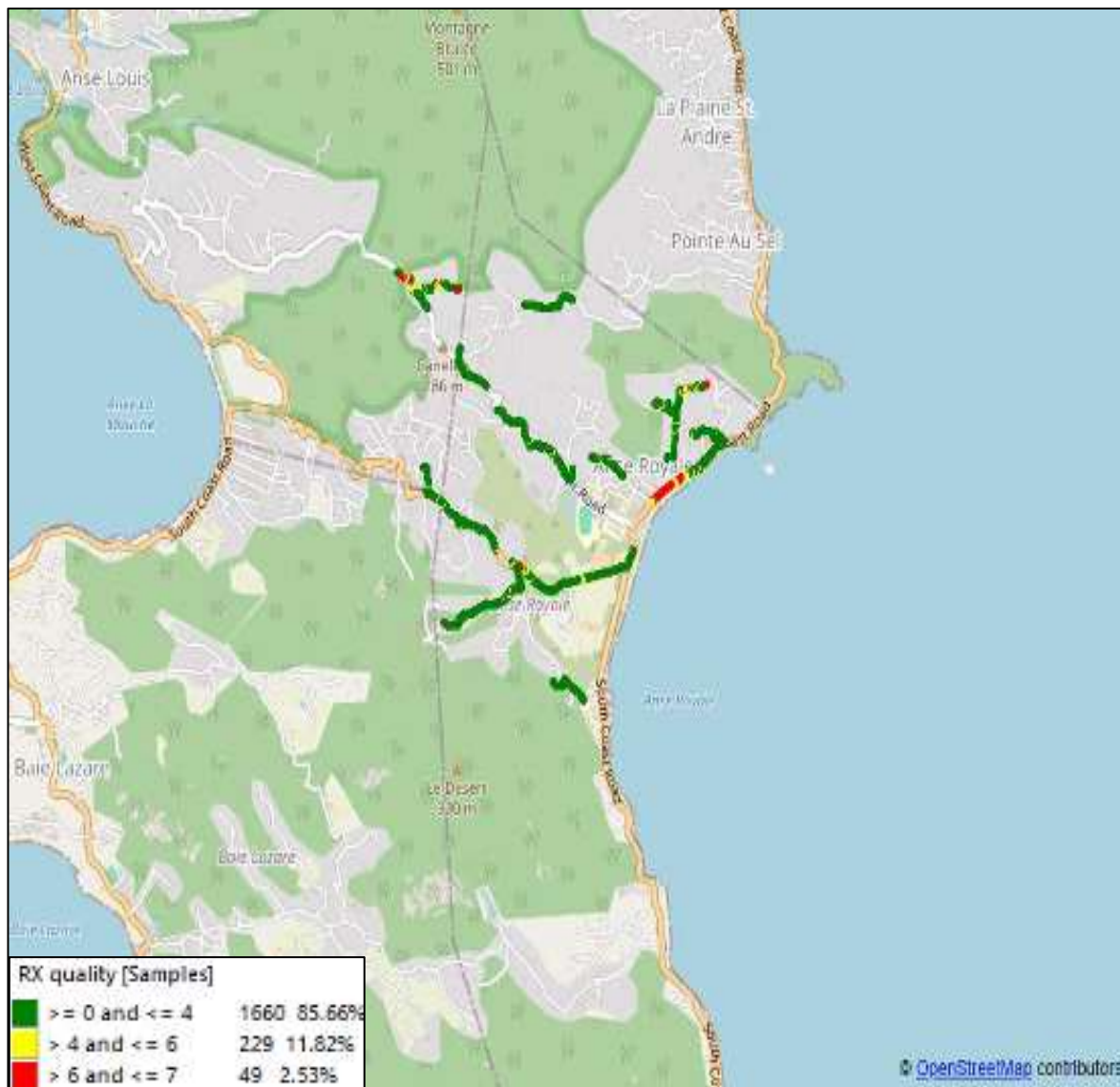
Airtel LC MO



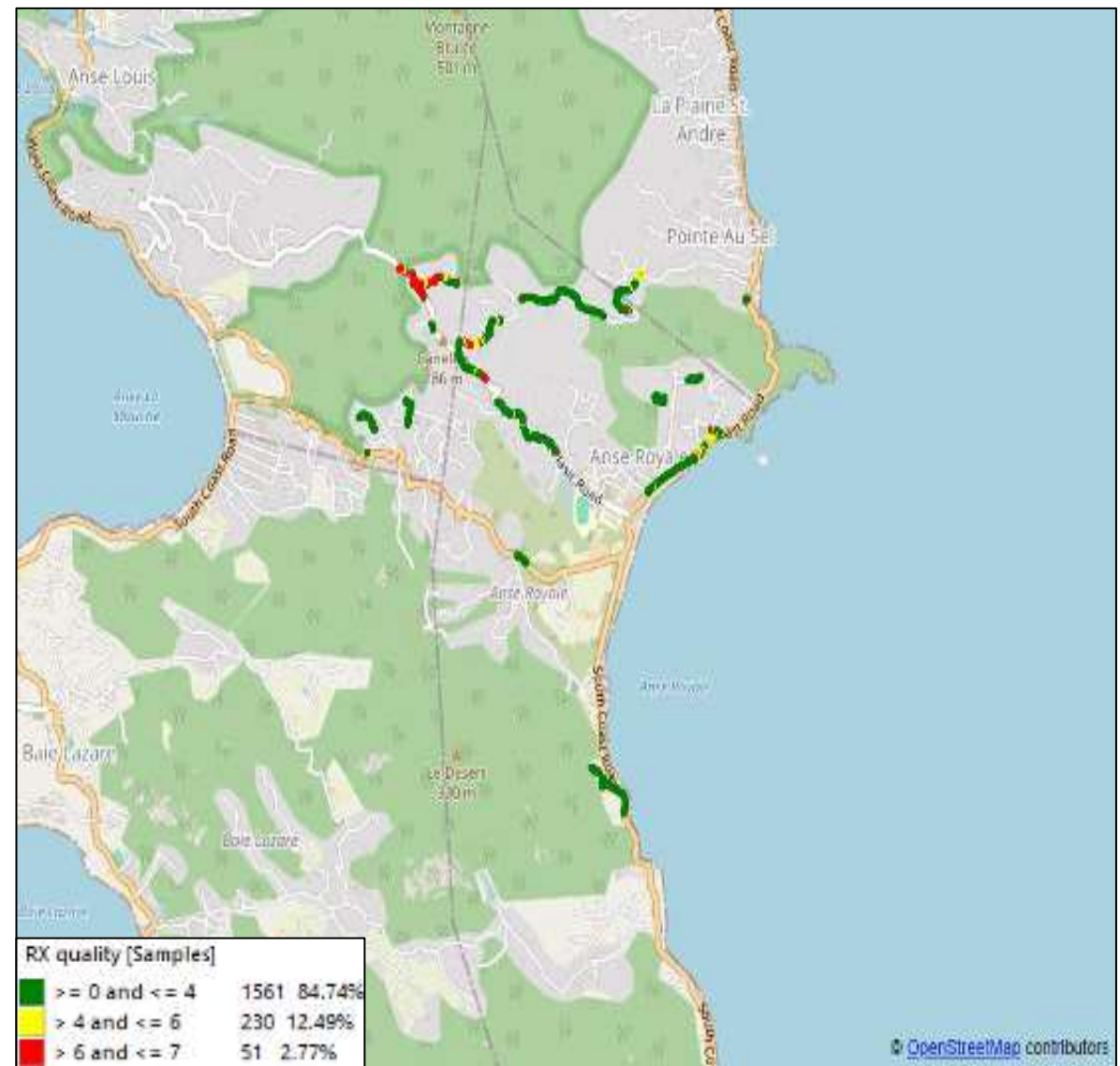
CWS LC MO



Airtel LC MO

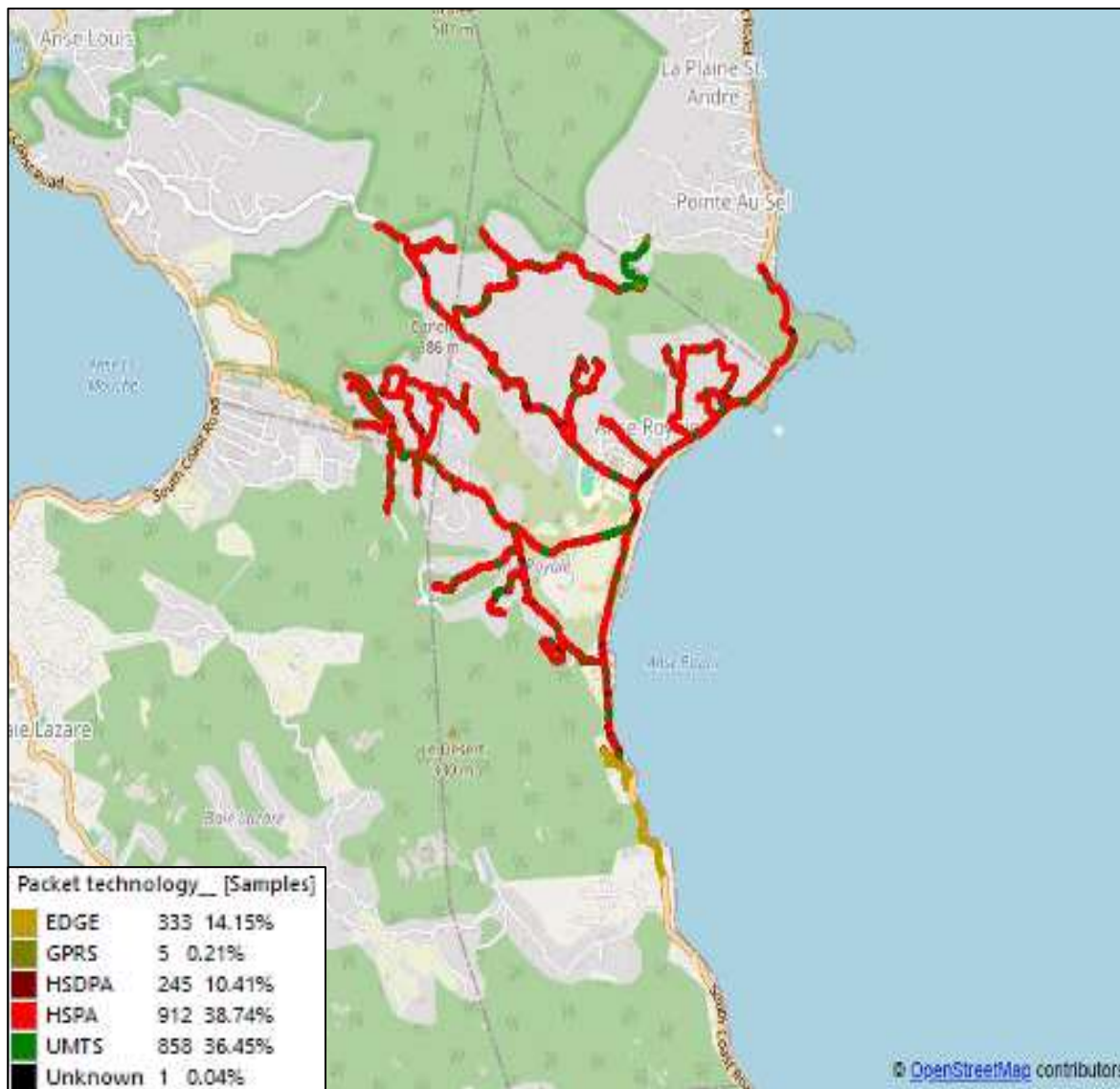


CWS LC MO

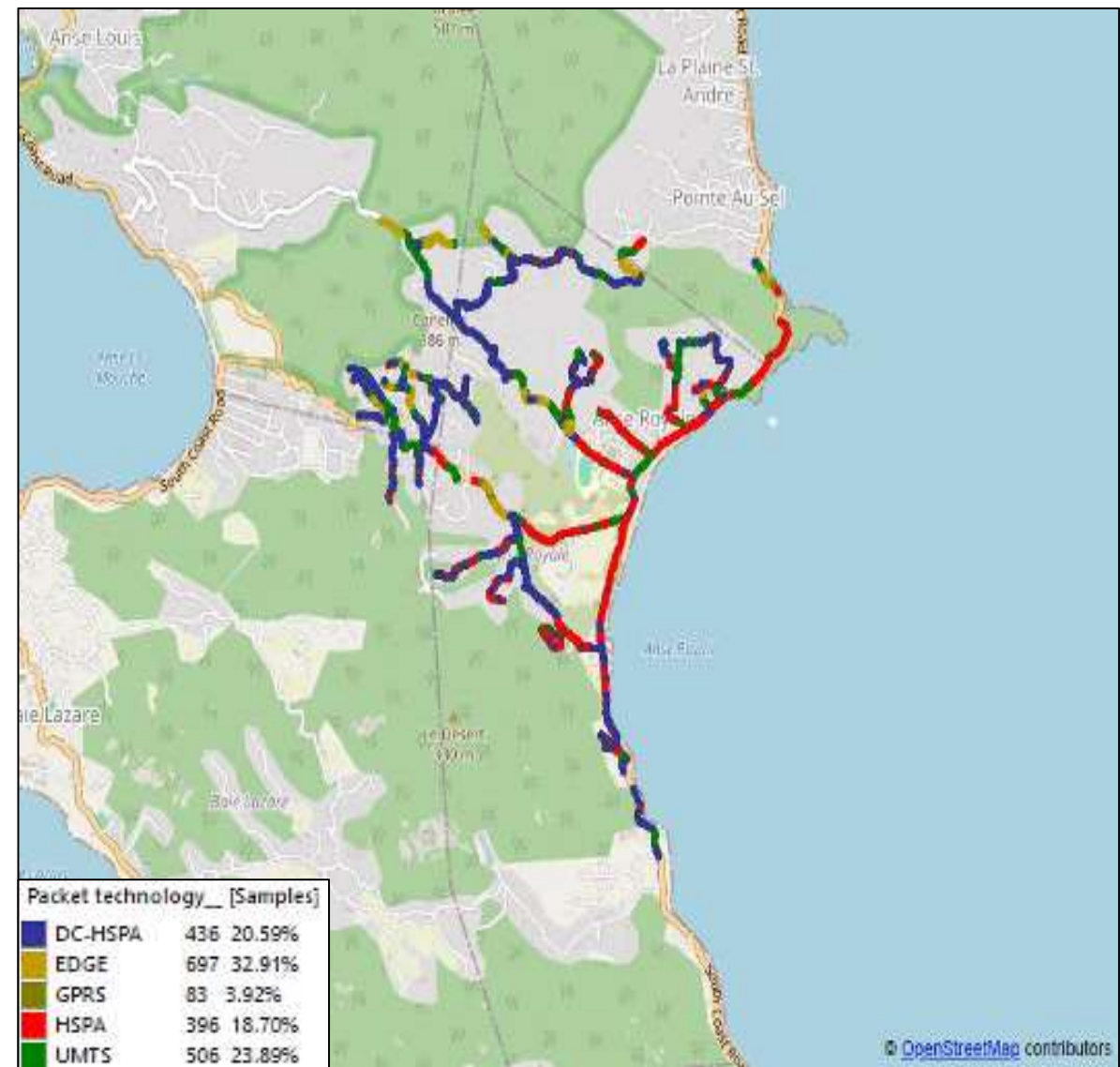


3G PREFERRED DATA DRIVE PLOTS

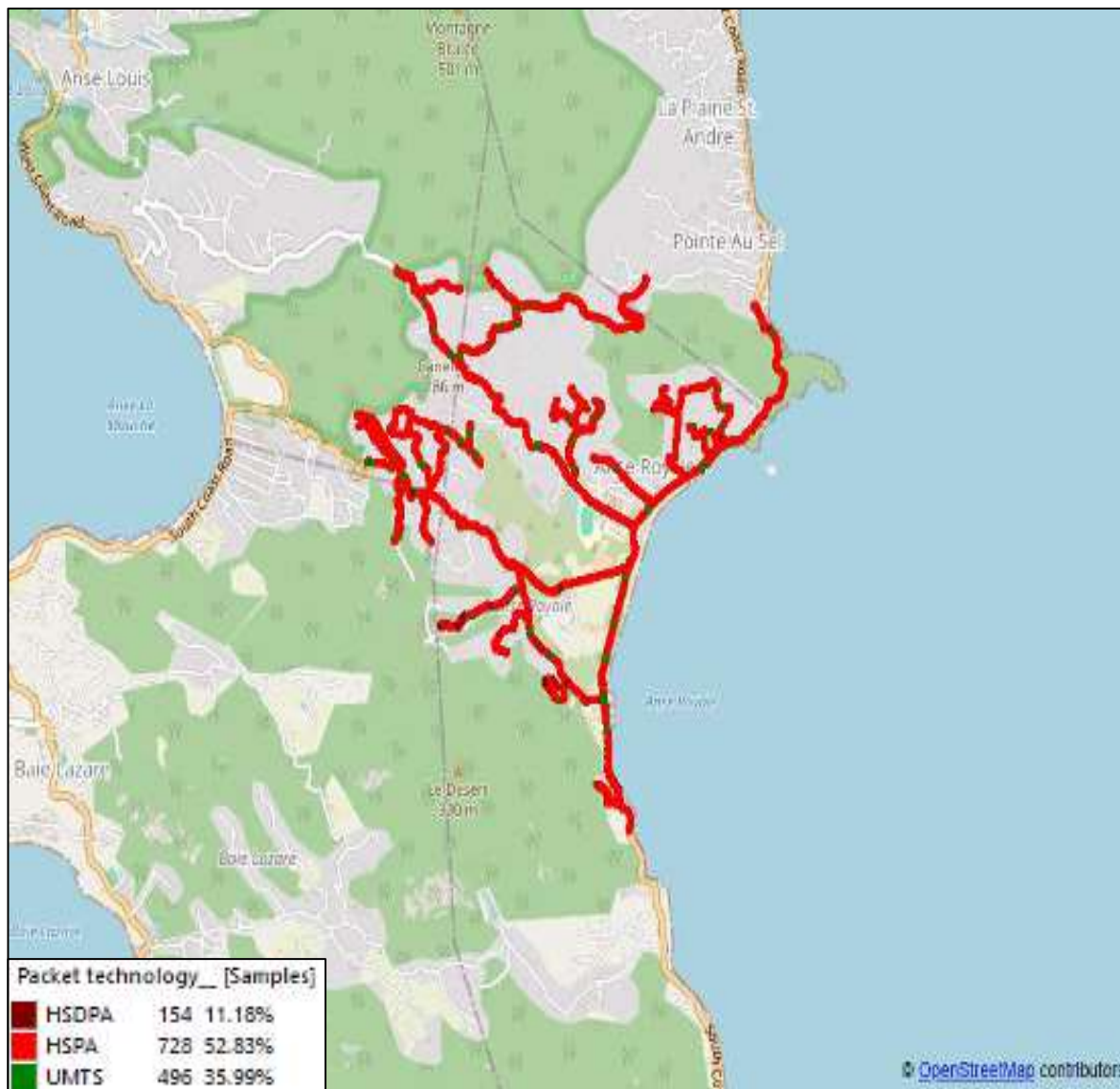
Airtel Data 3G



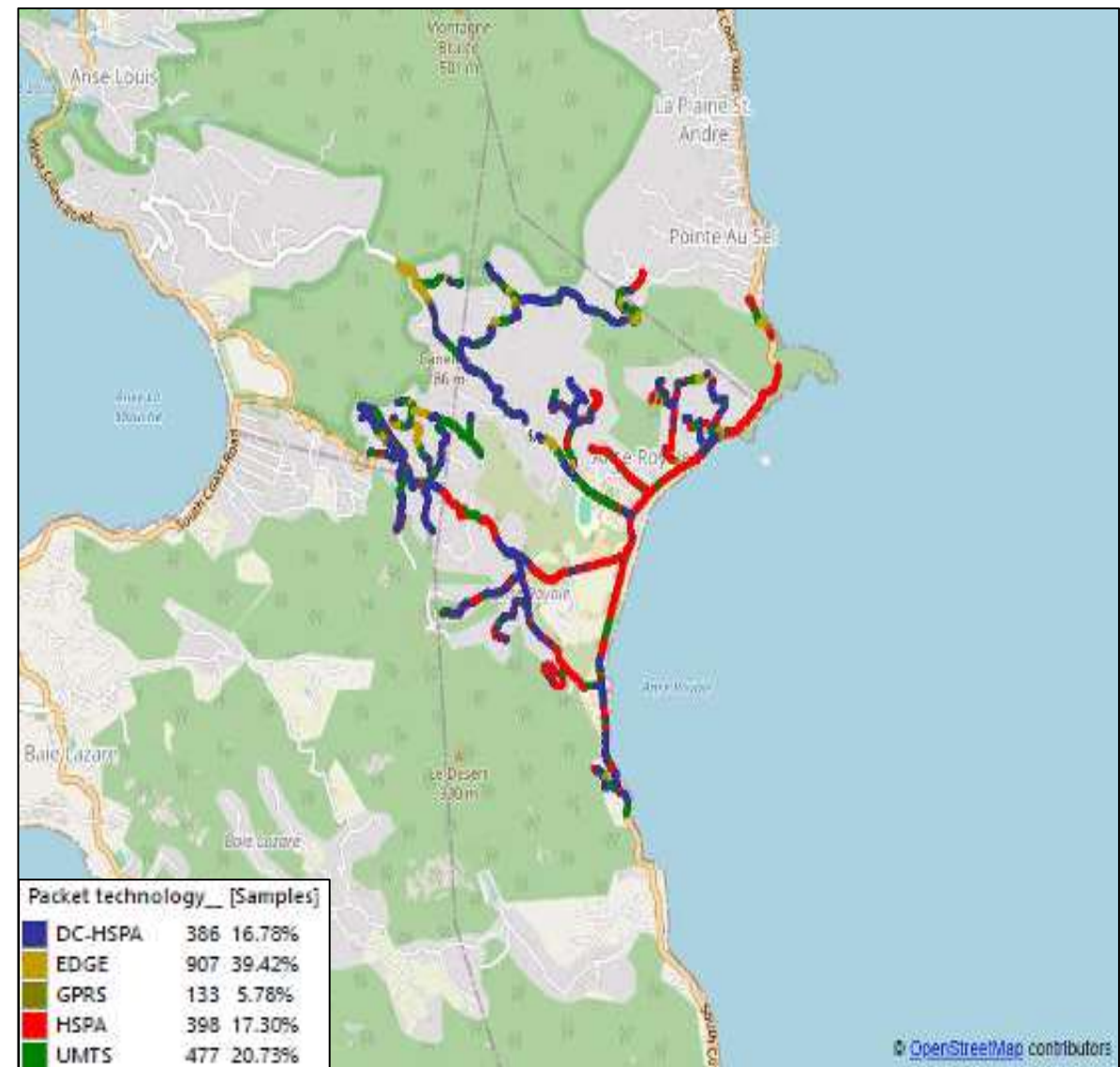
CWS Data 3G



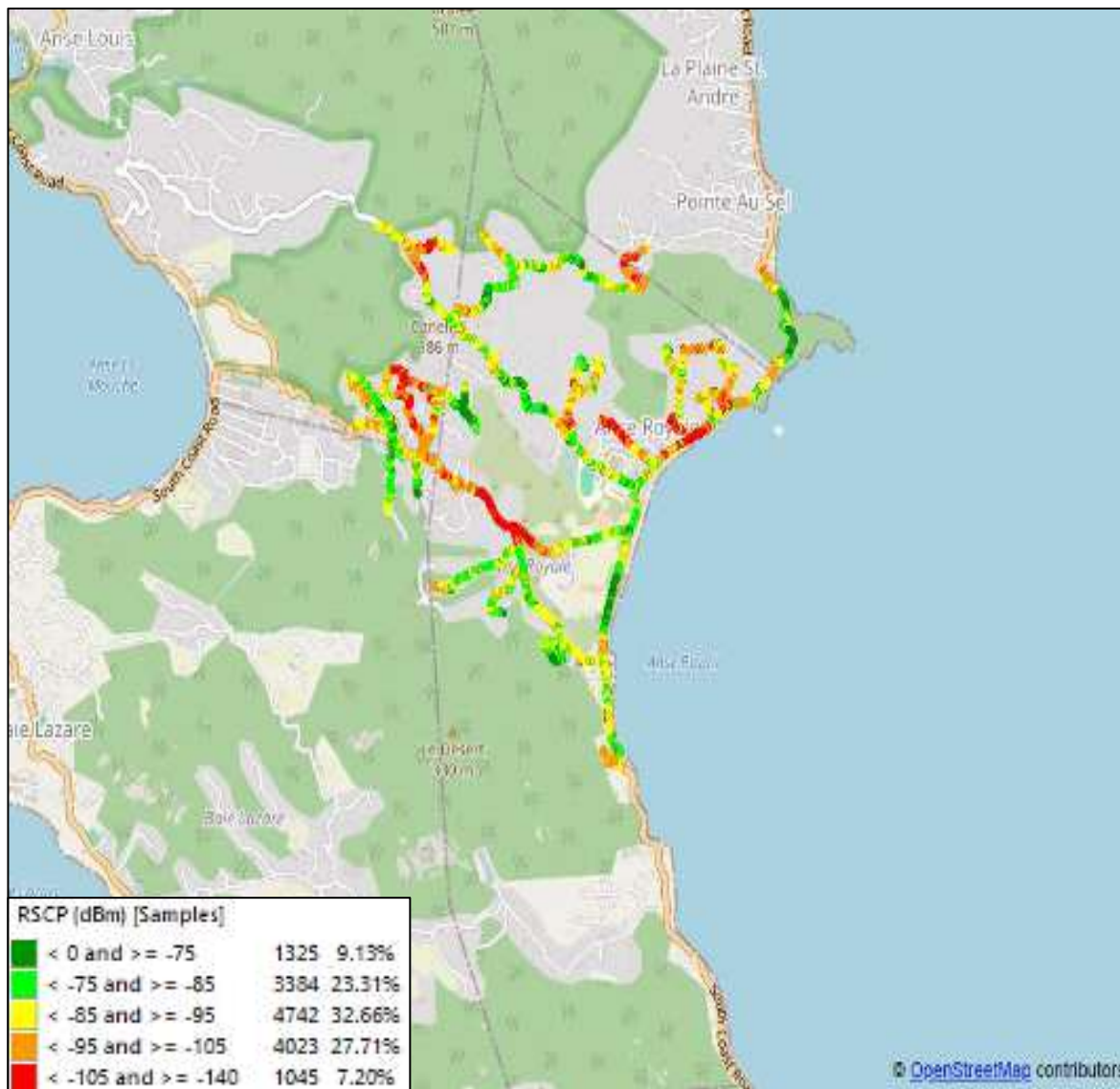
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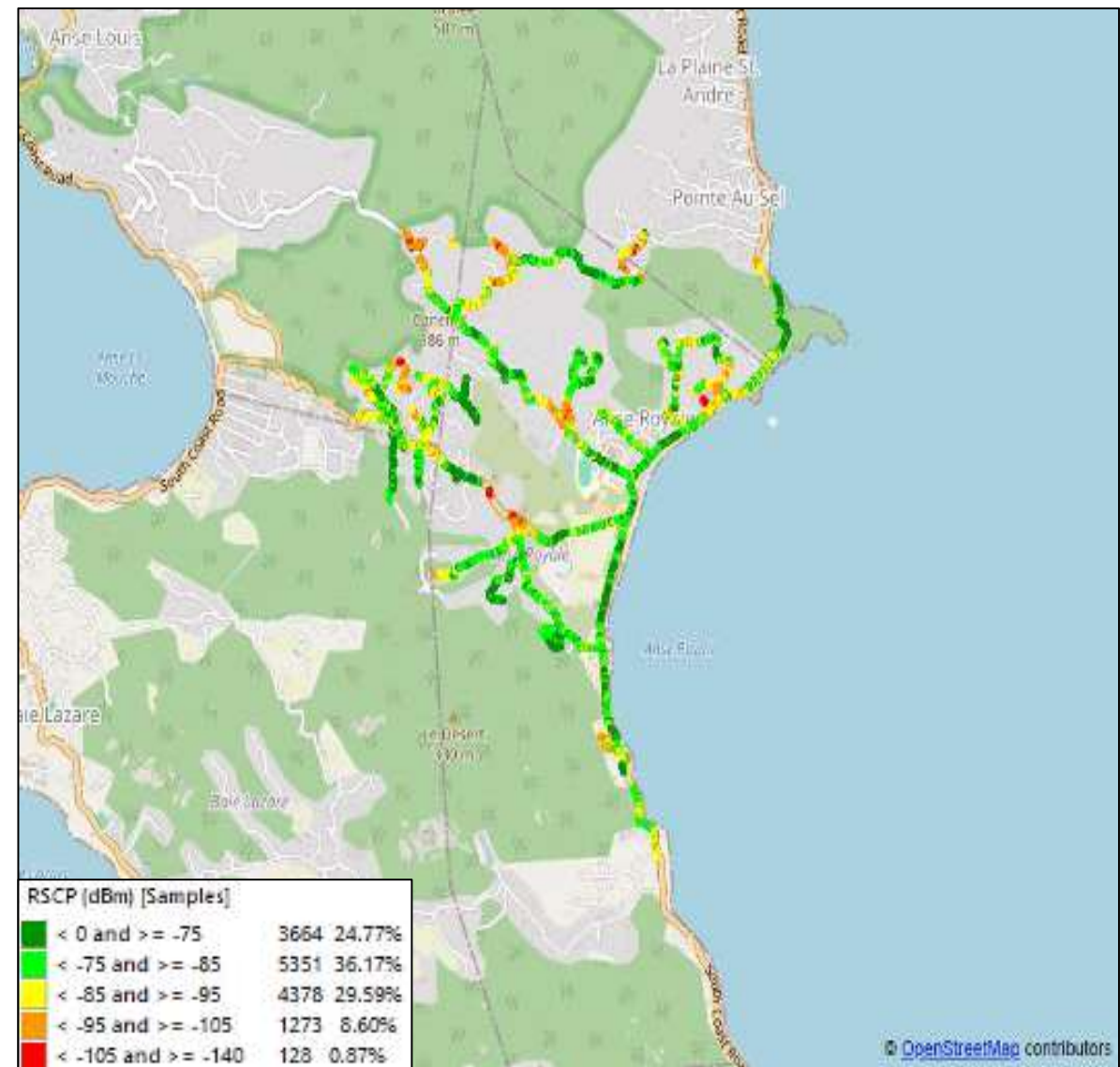
CWS Data 3G



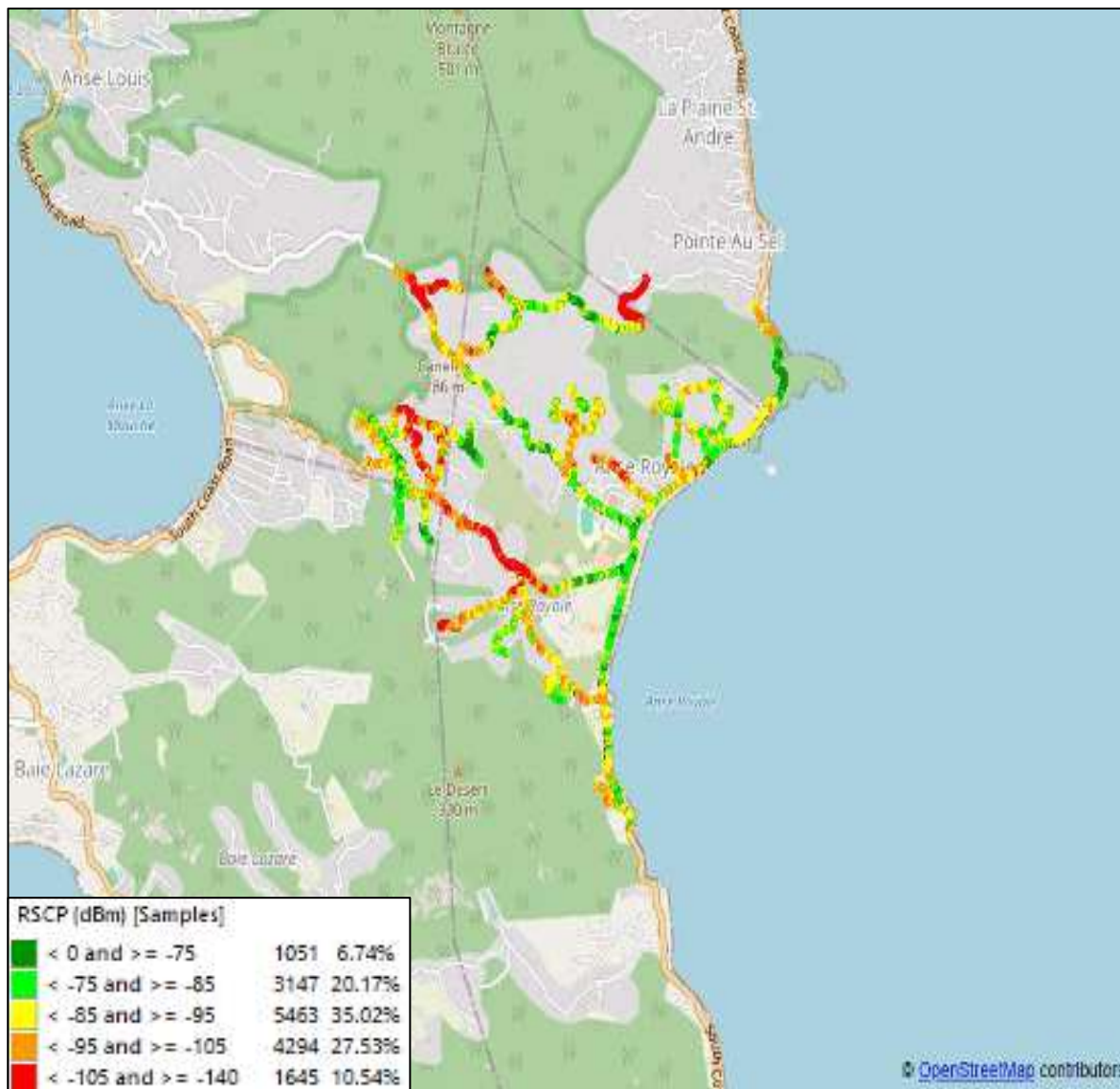
Airtel Data 3G



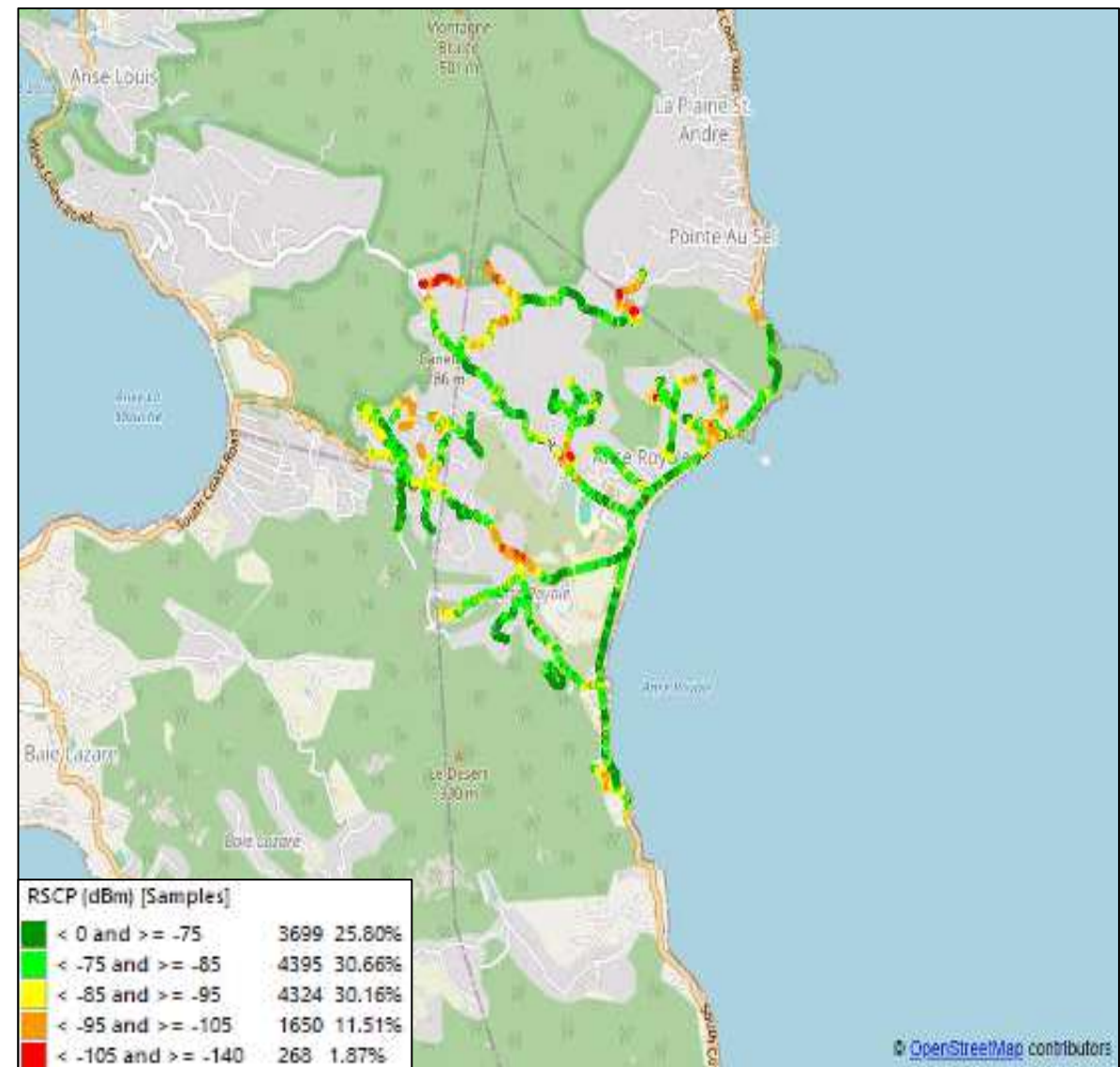
CWS Data 3G



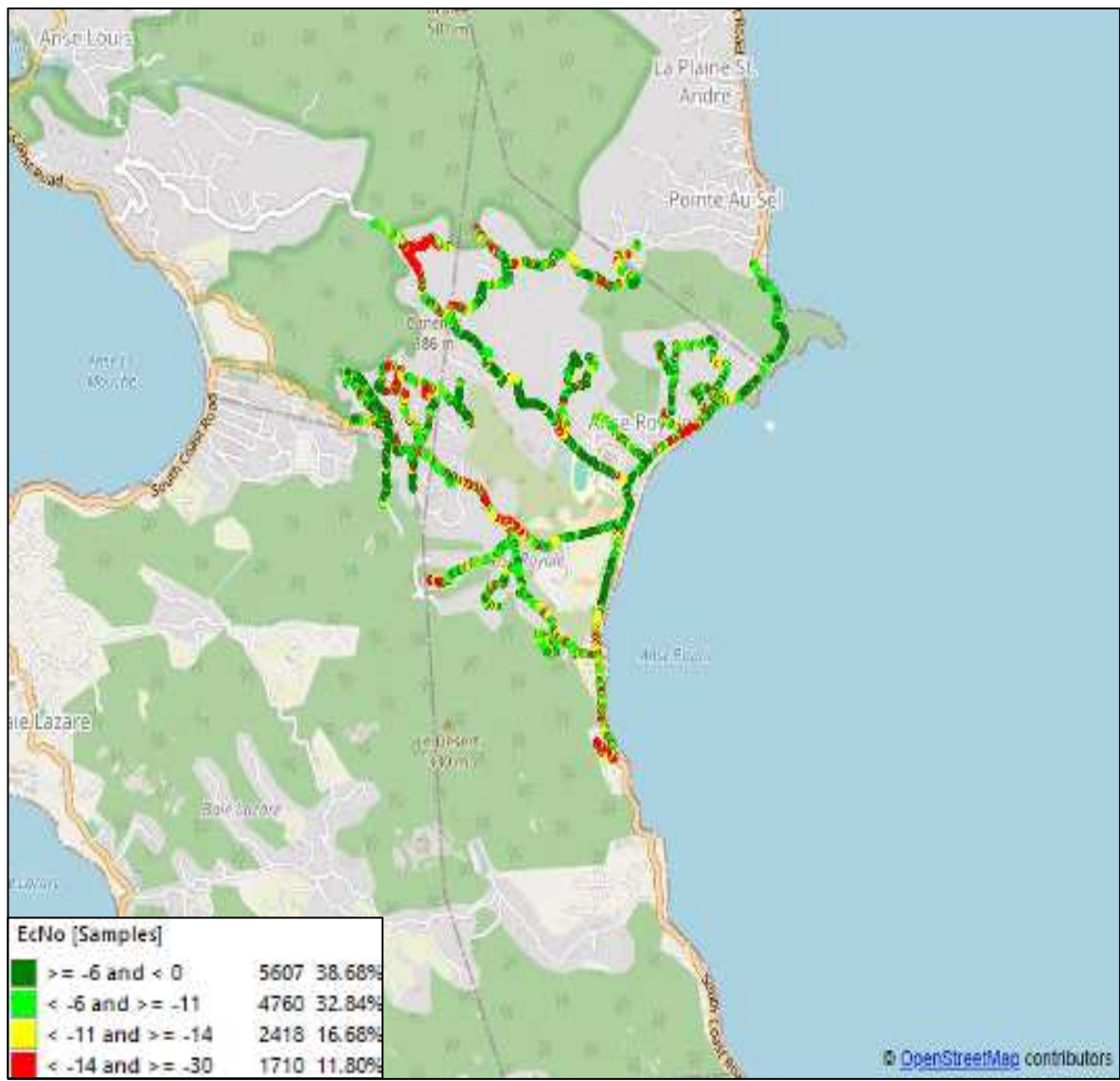
Airtel Data 3G



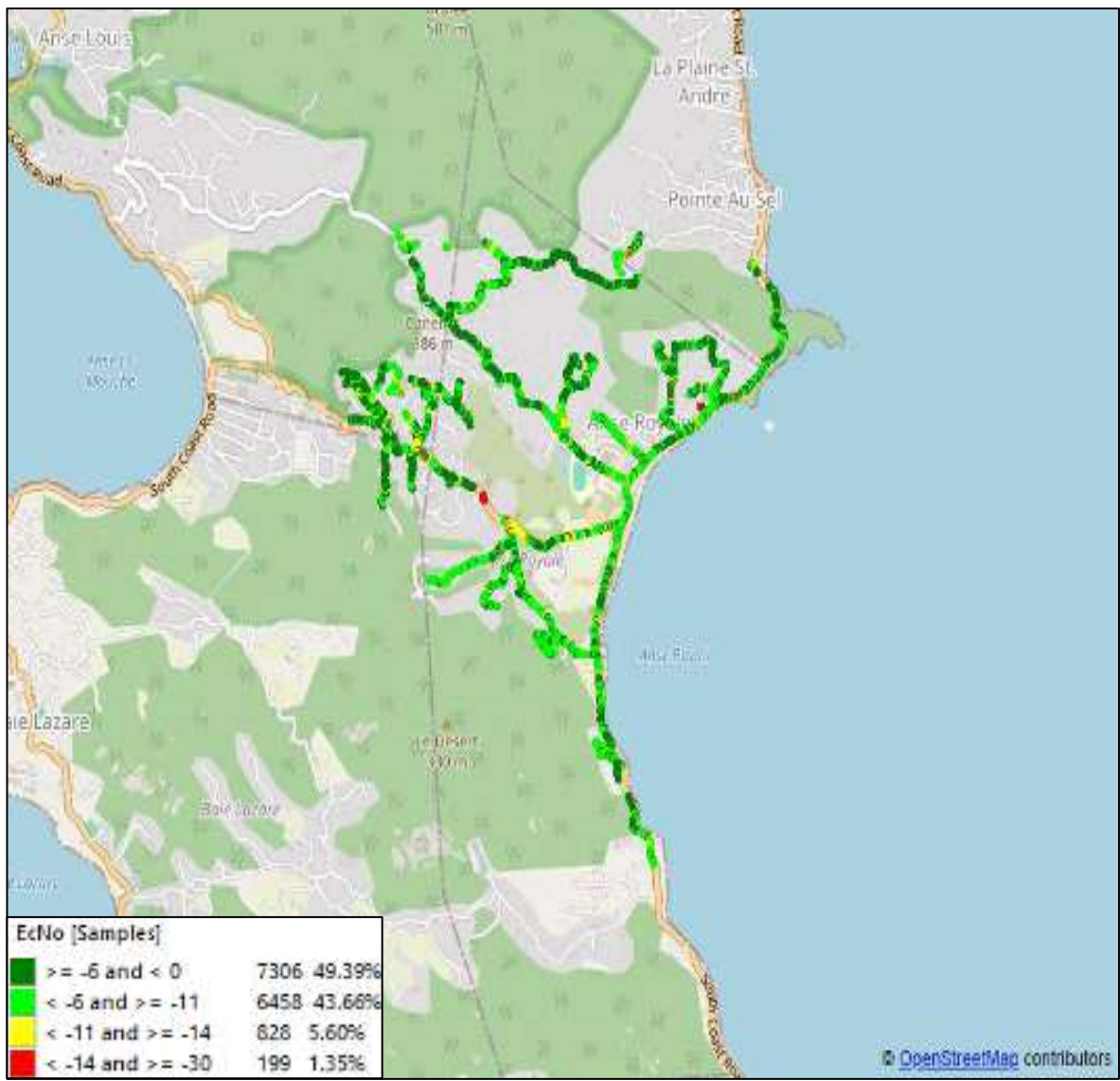
CWS Data 3G



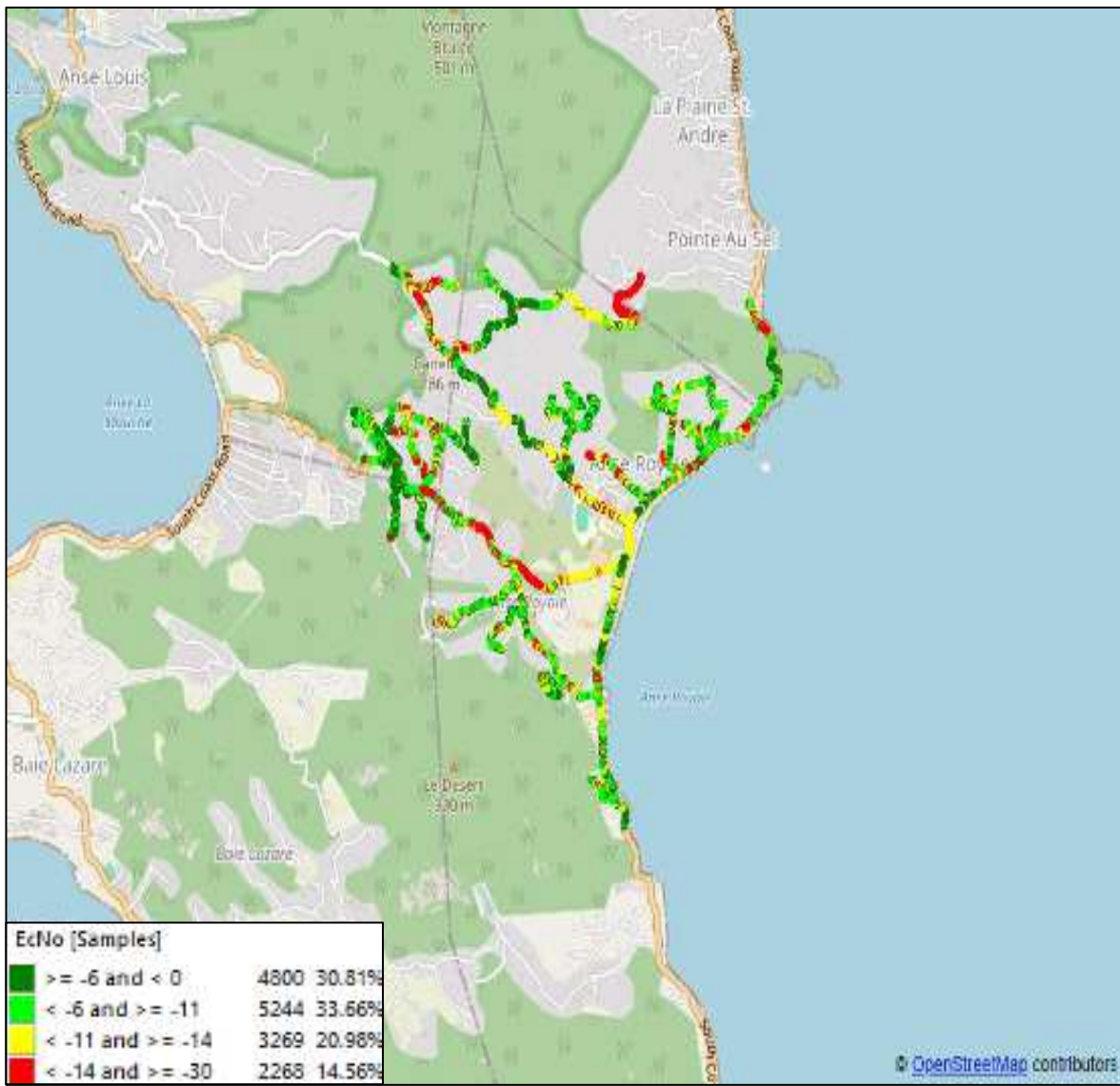
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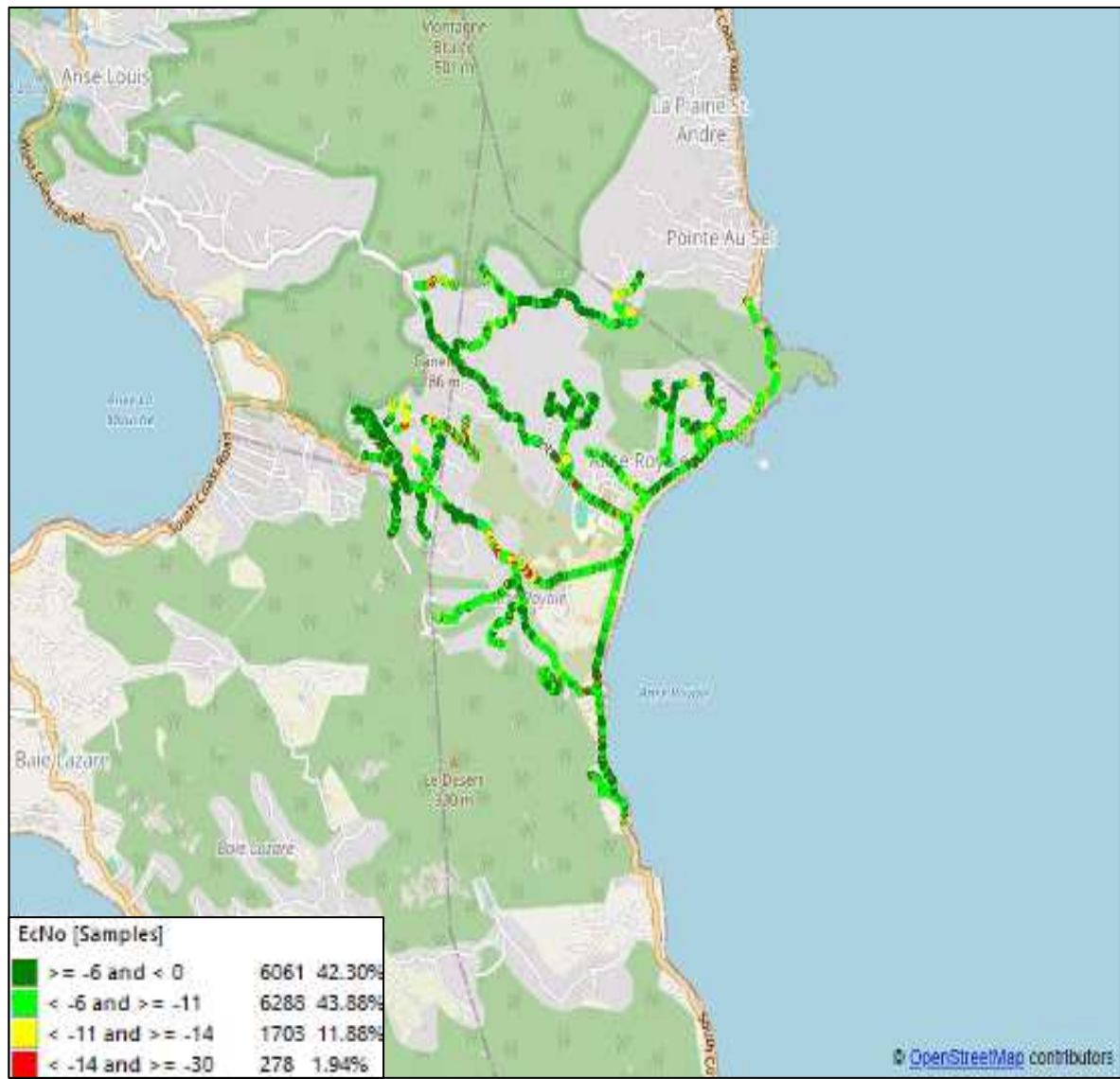
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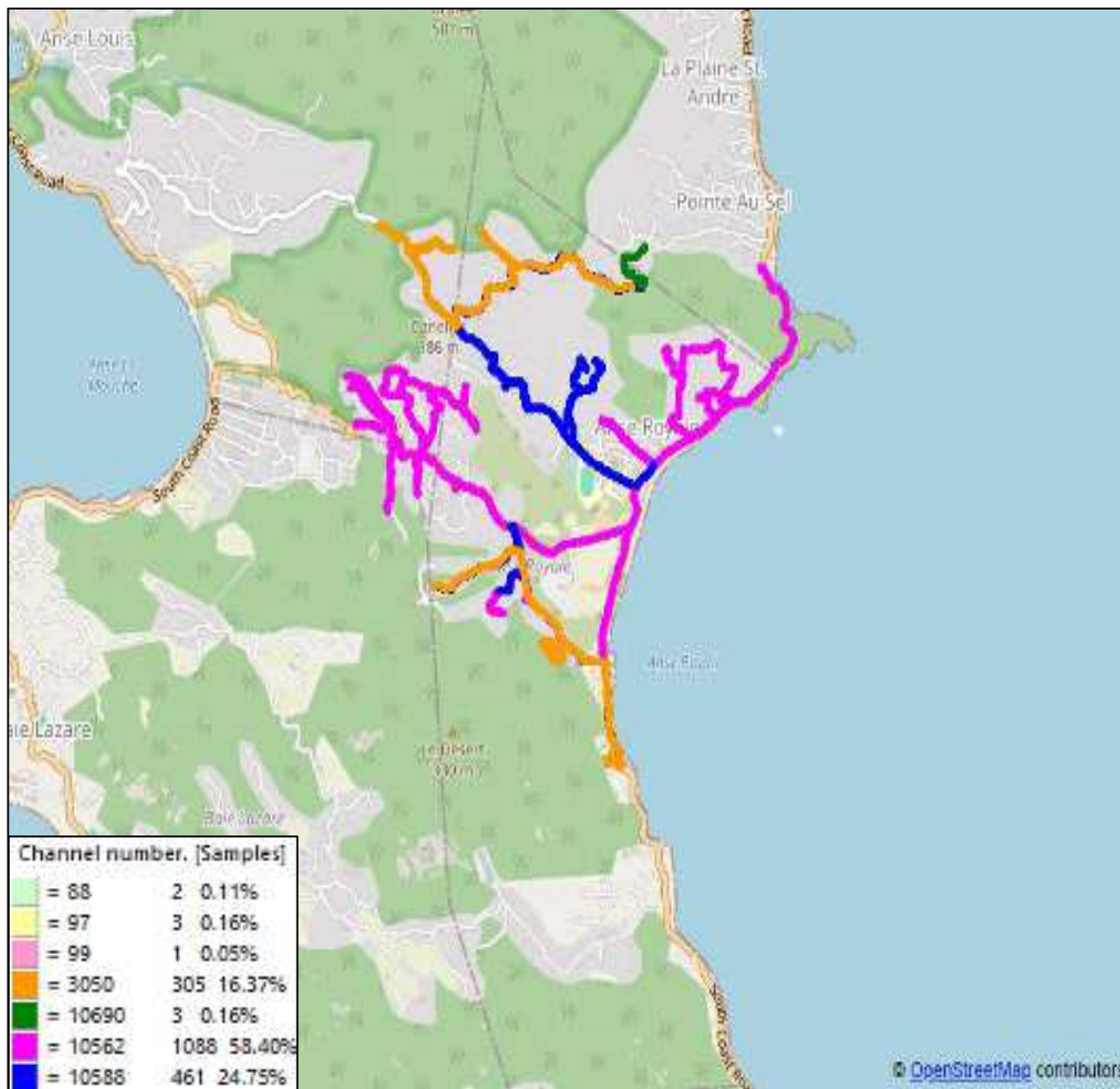
Airtel Data 3G



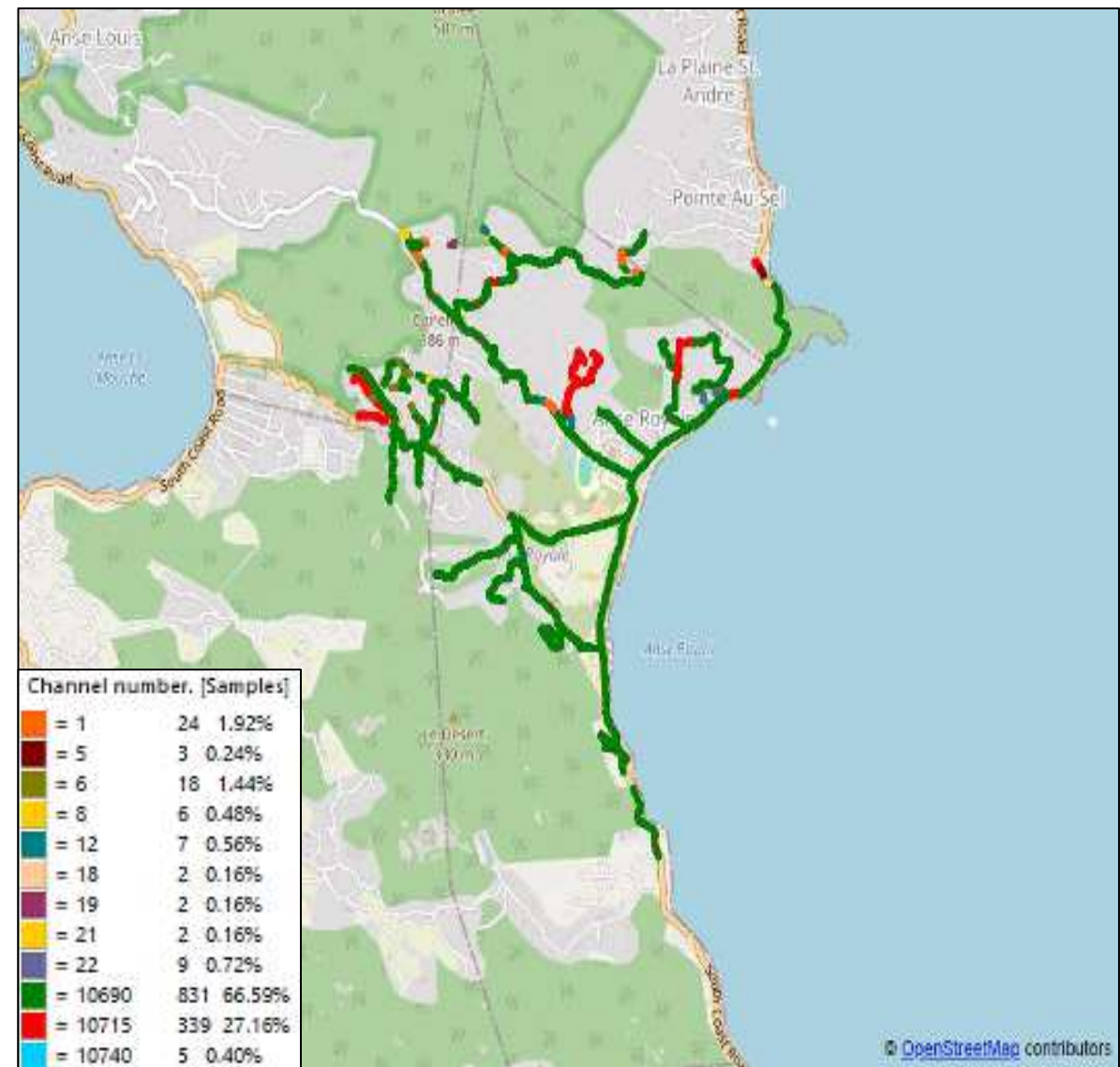
CWS Data 3G



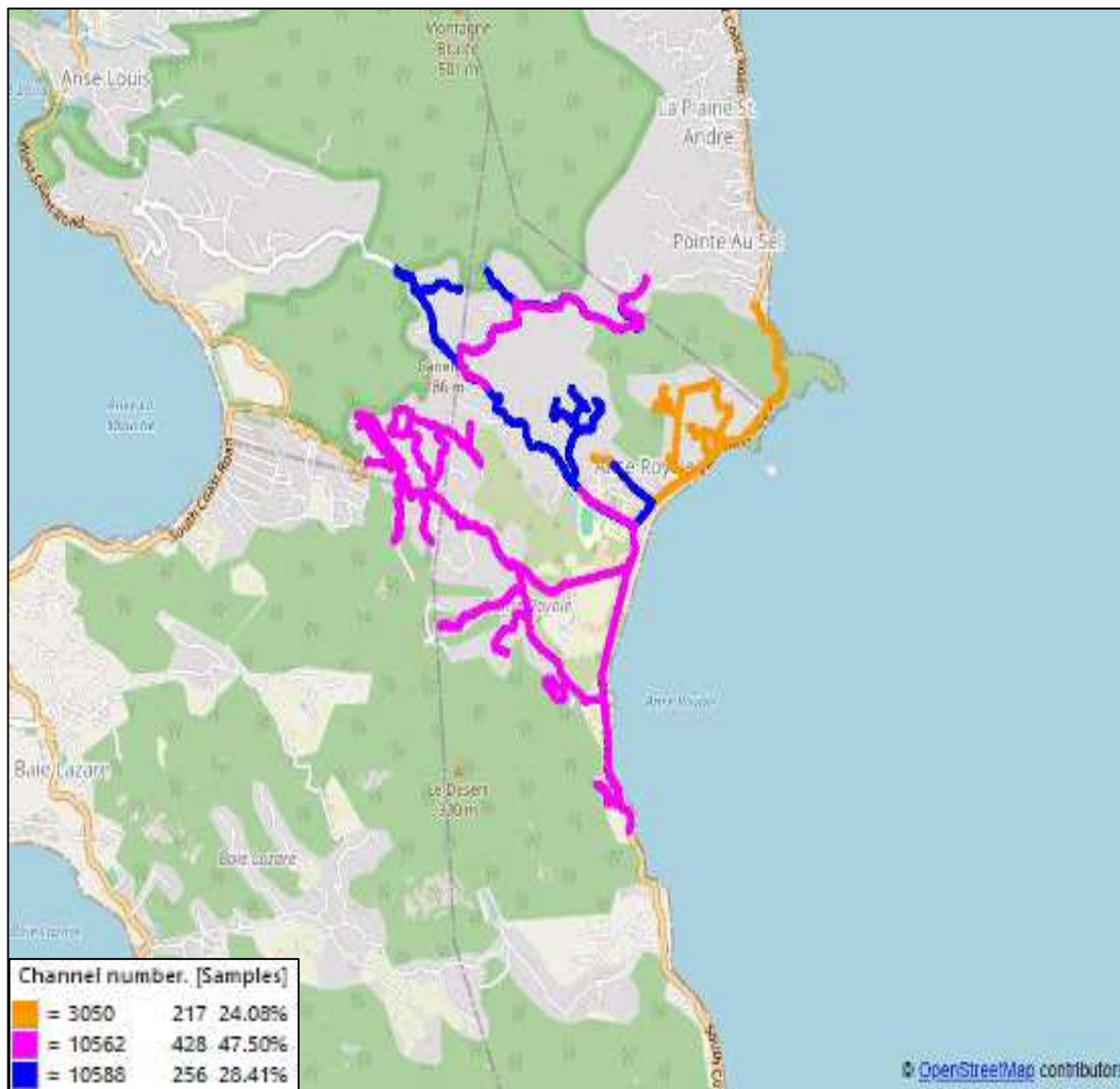
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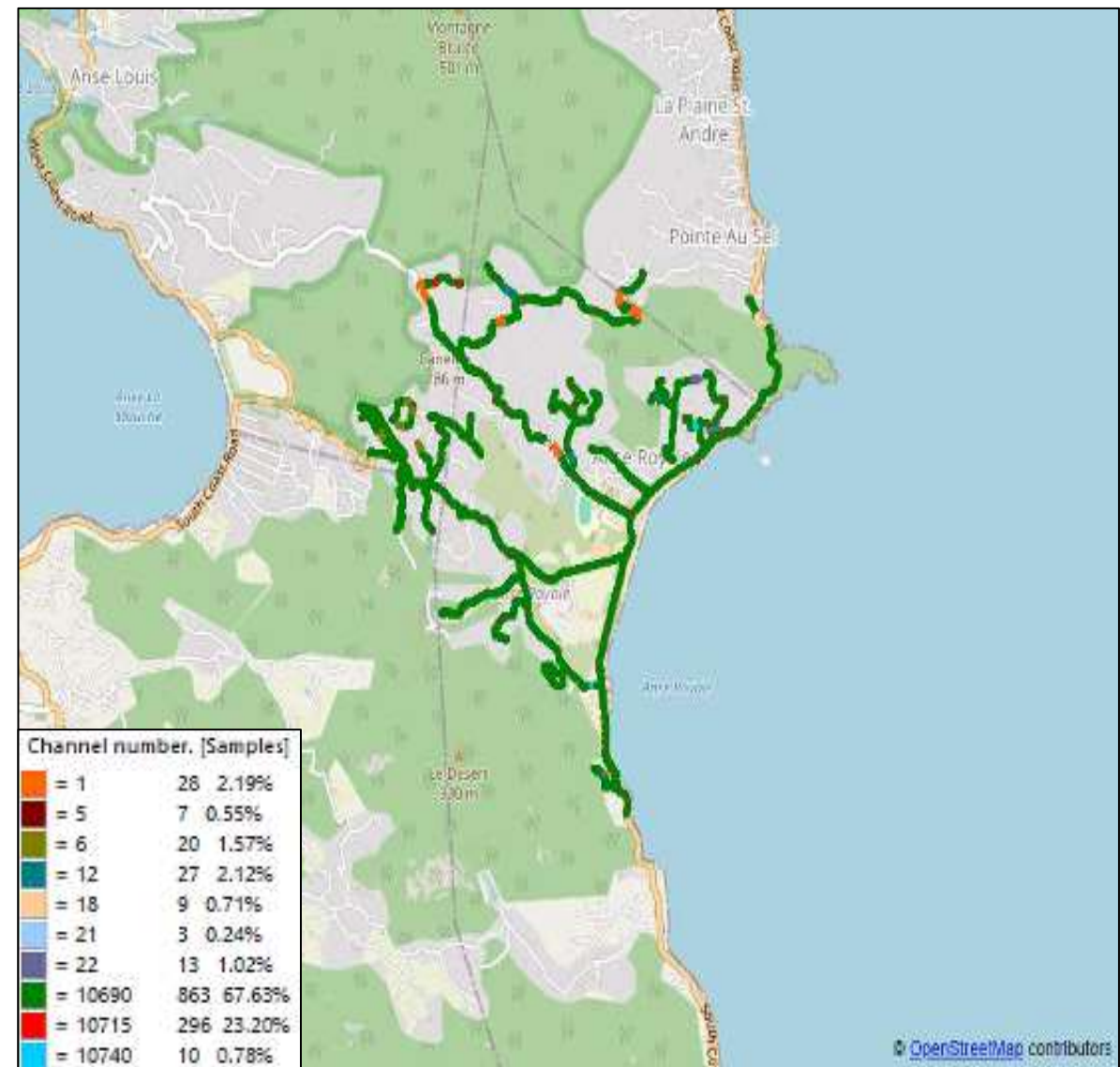
CWS Data 3G



Airtel Data 3G

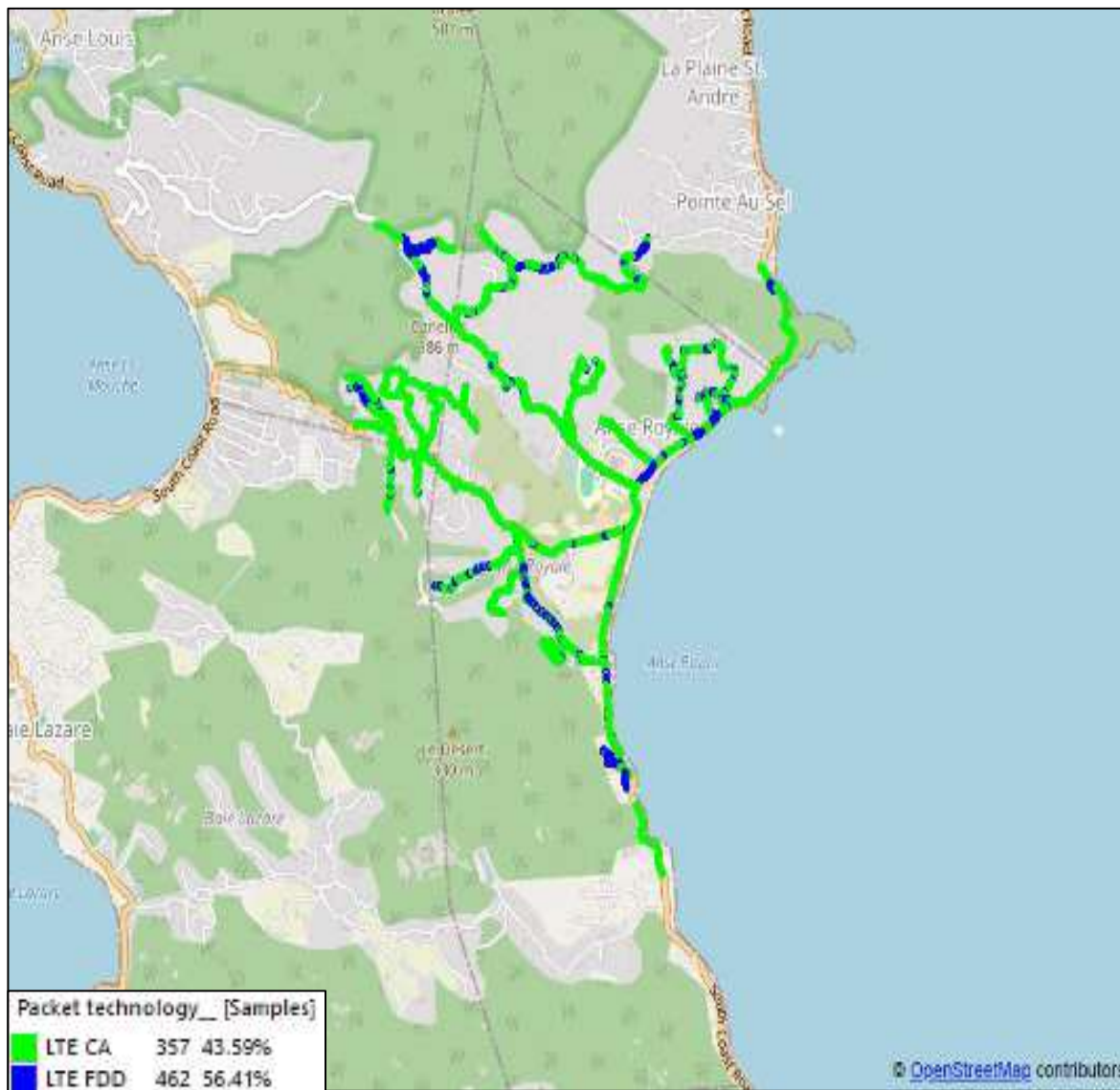


CWS Data 3G

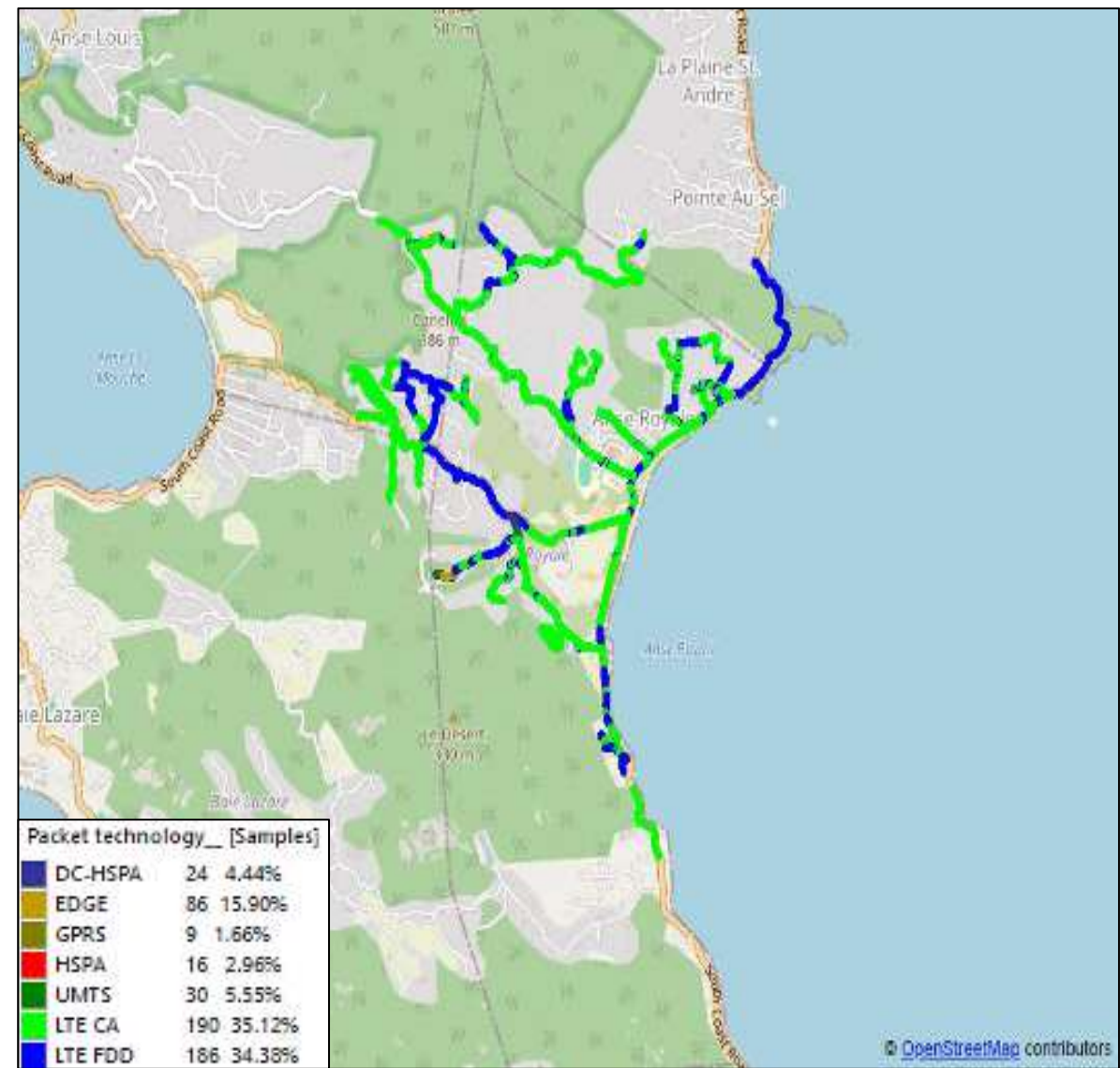


4G PREFERRED DATA DRIVE PLOTS

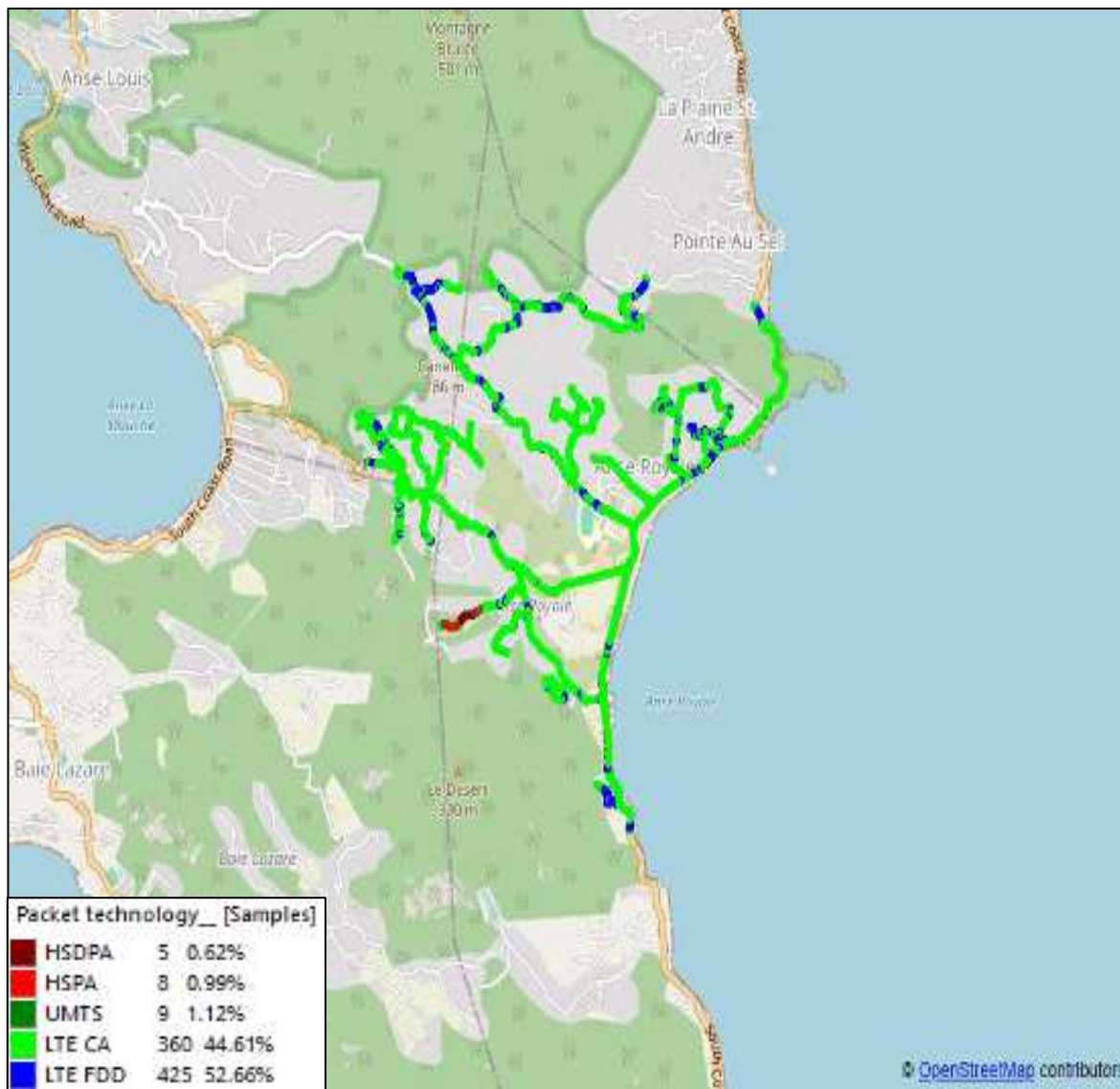
Airtel Data 4G



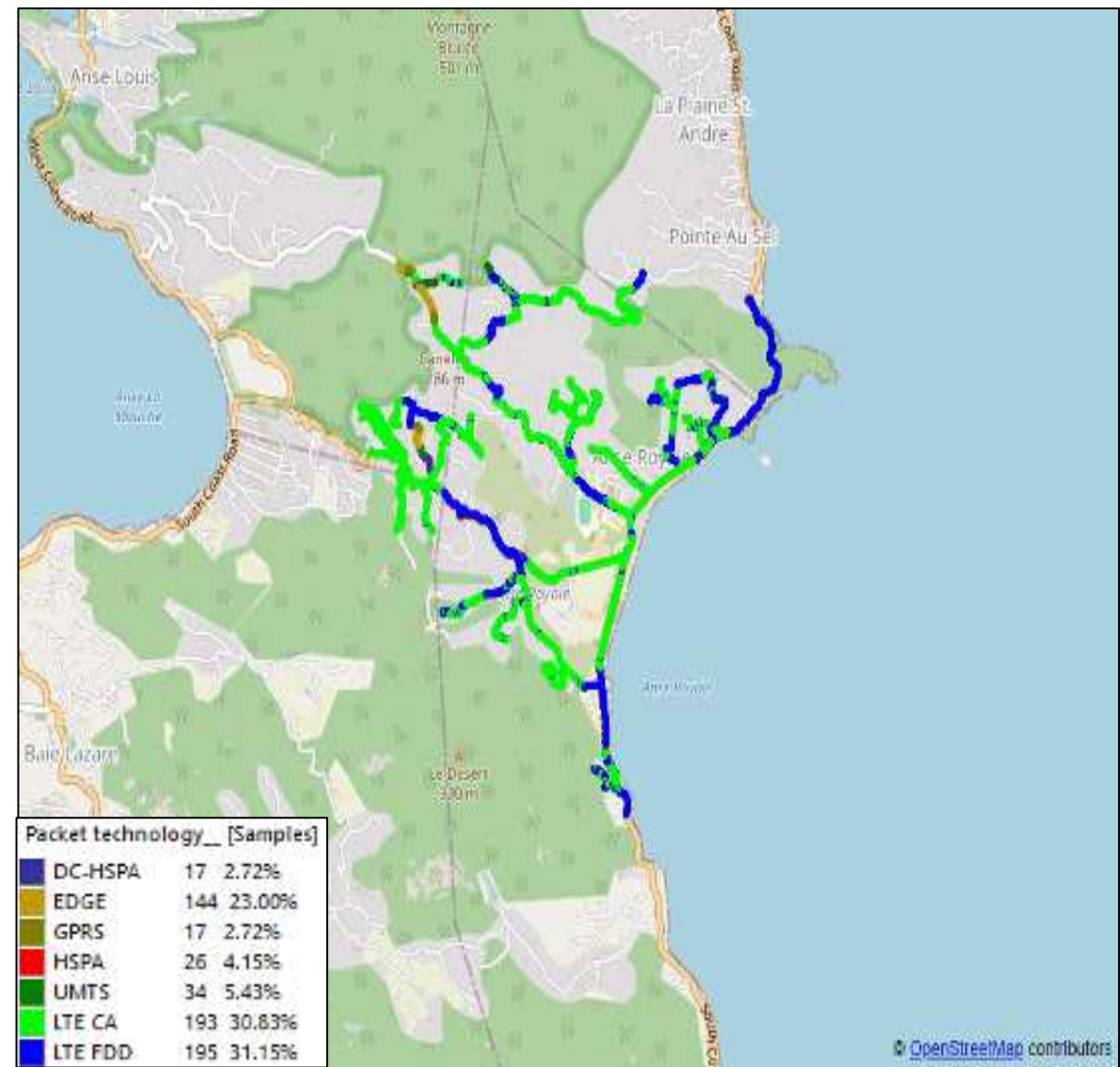
CWS Data 4G



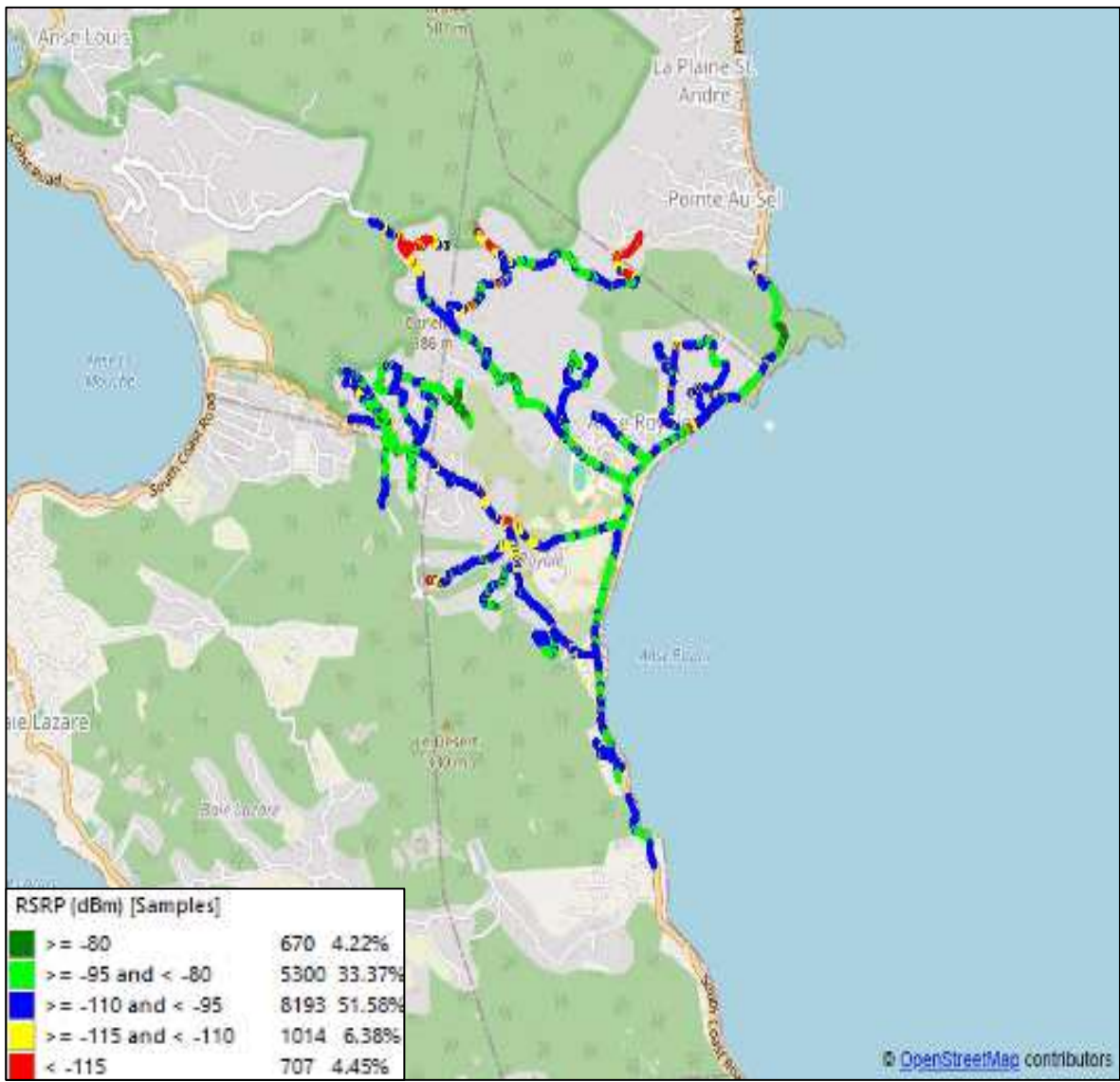
Airtel Data 4G



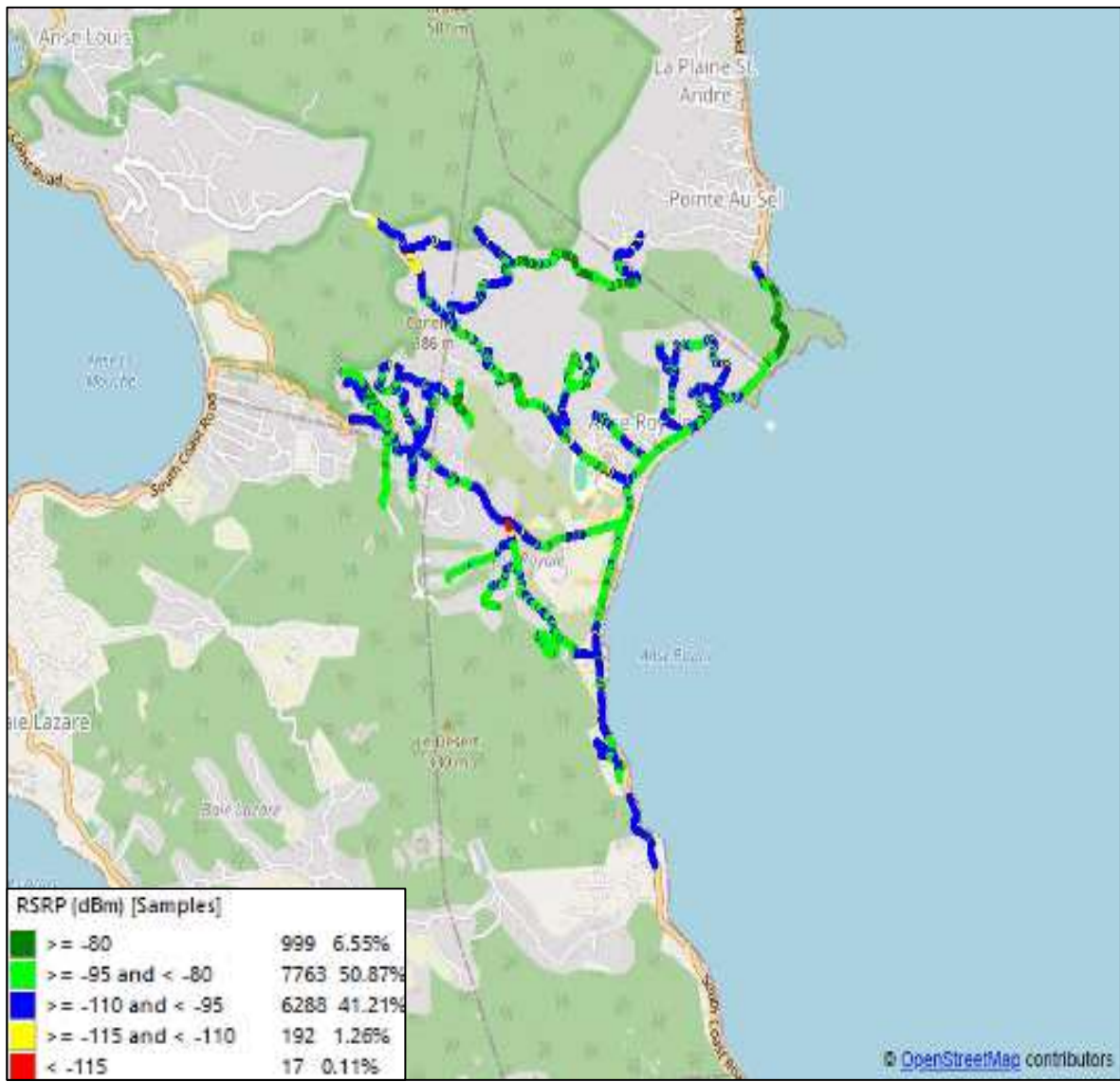
CWS Data 4G



Airtel Data 4G

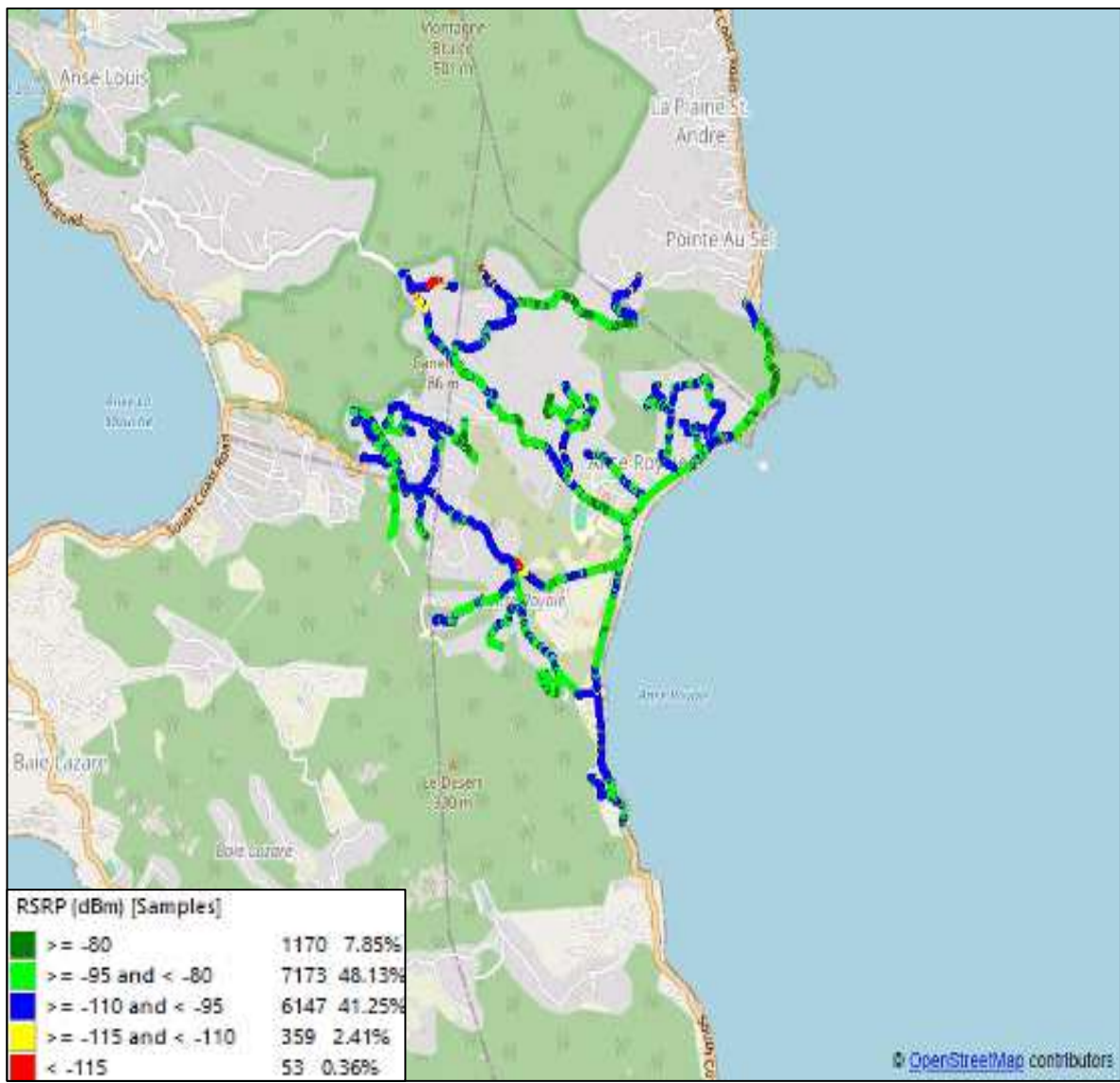
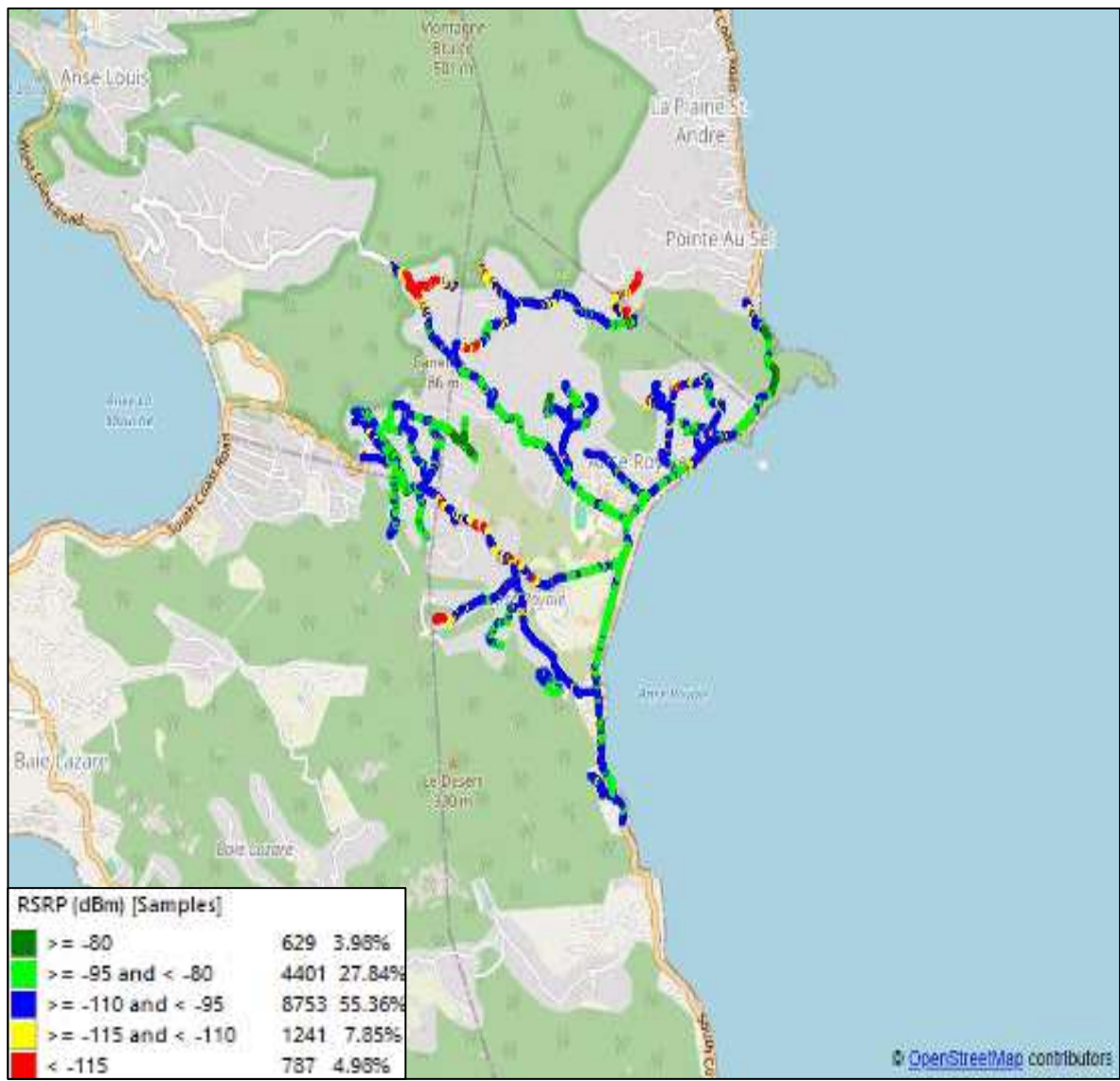


CWS Data 4G

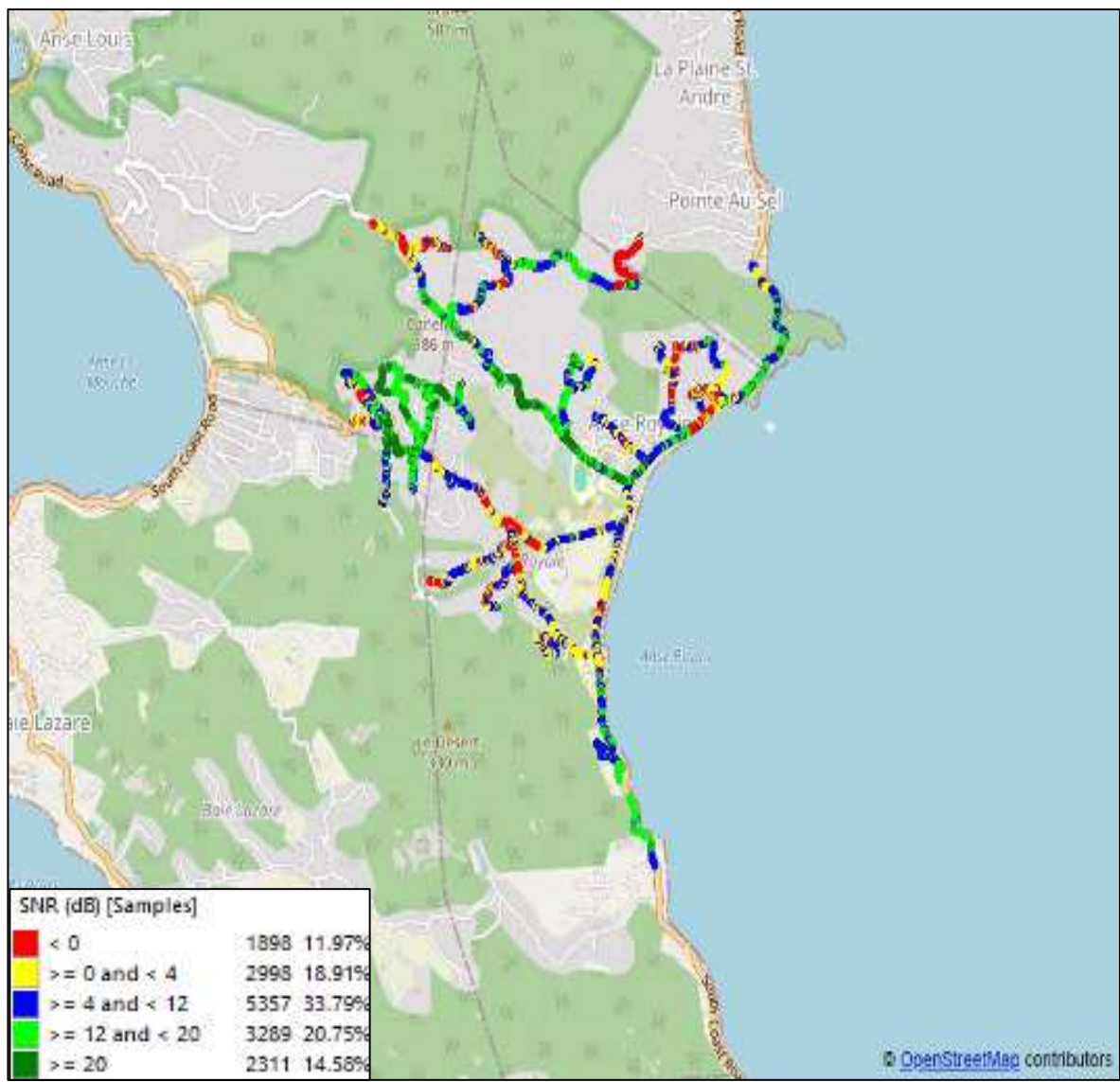


Airtel Data 4G

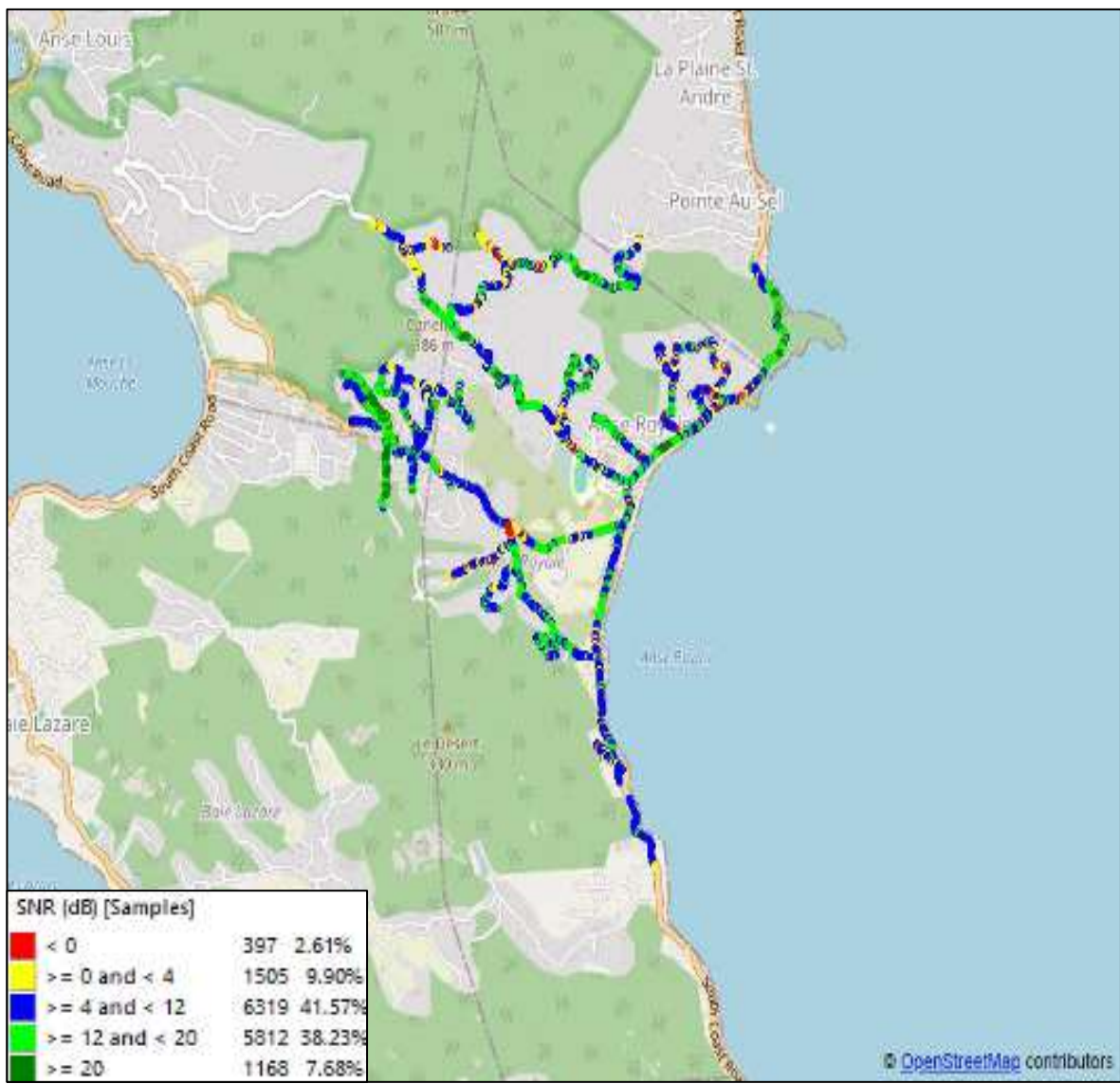
CWS Data 4G



Airtel Data 4G

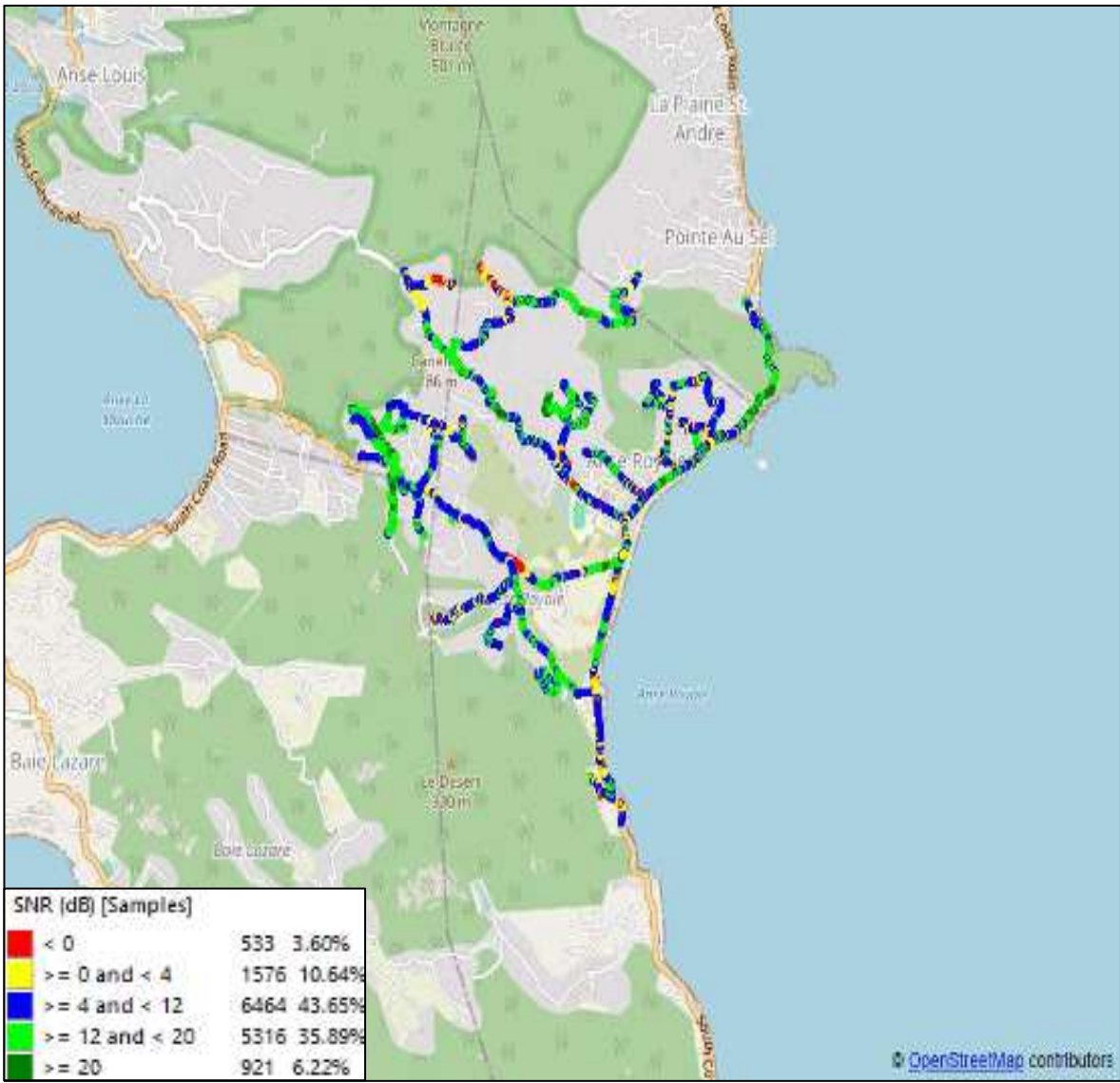
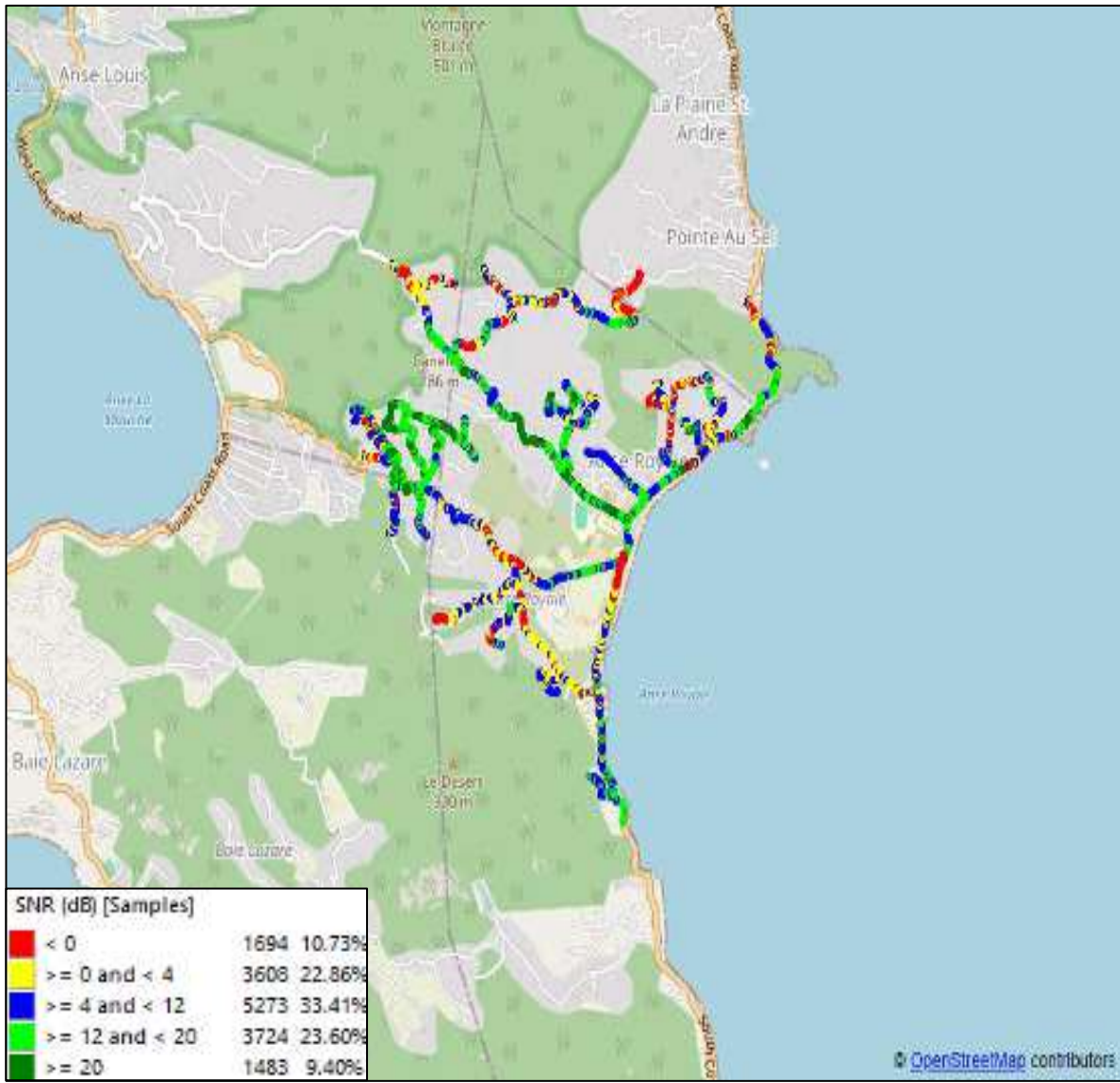


CWS Data 4G

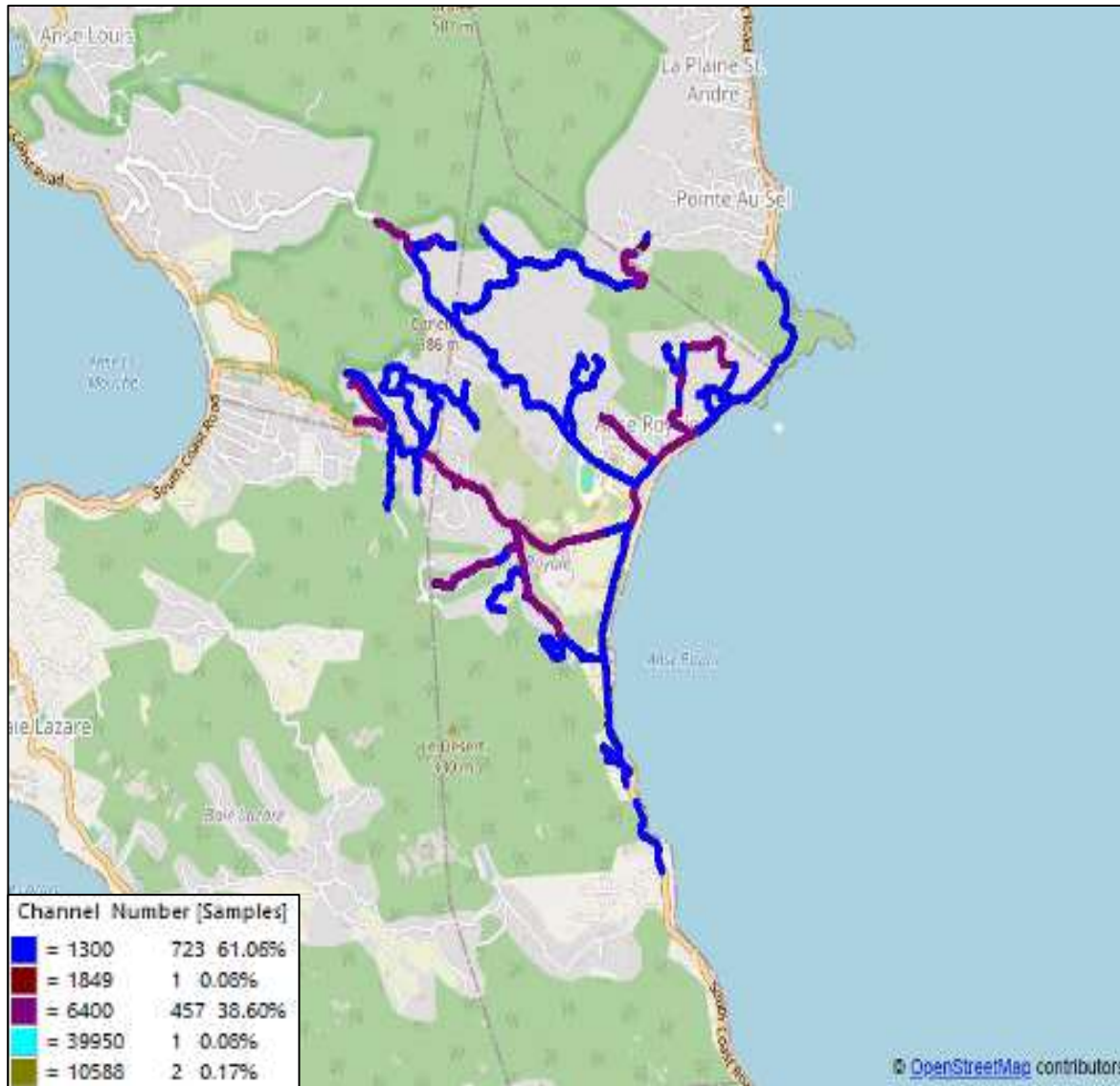


Airtel Data 4G

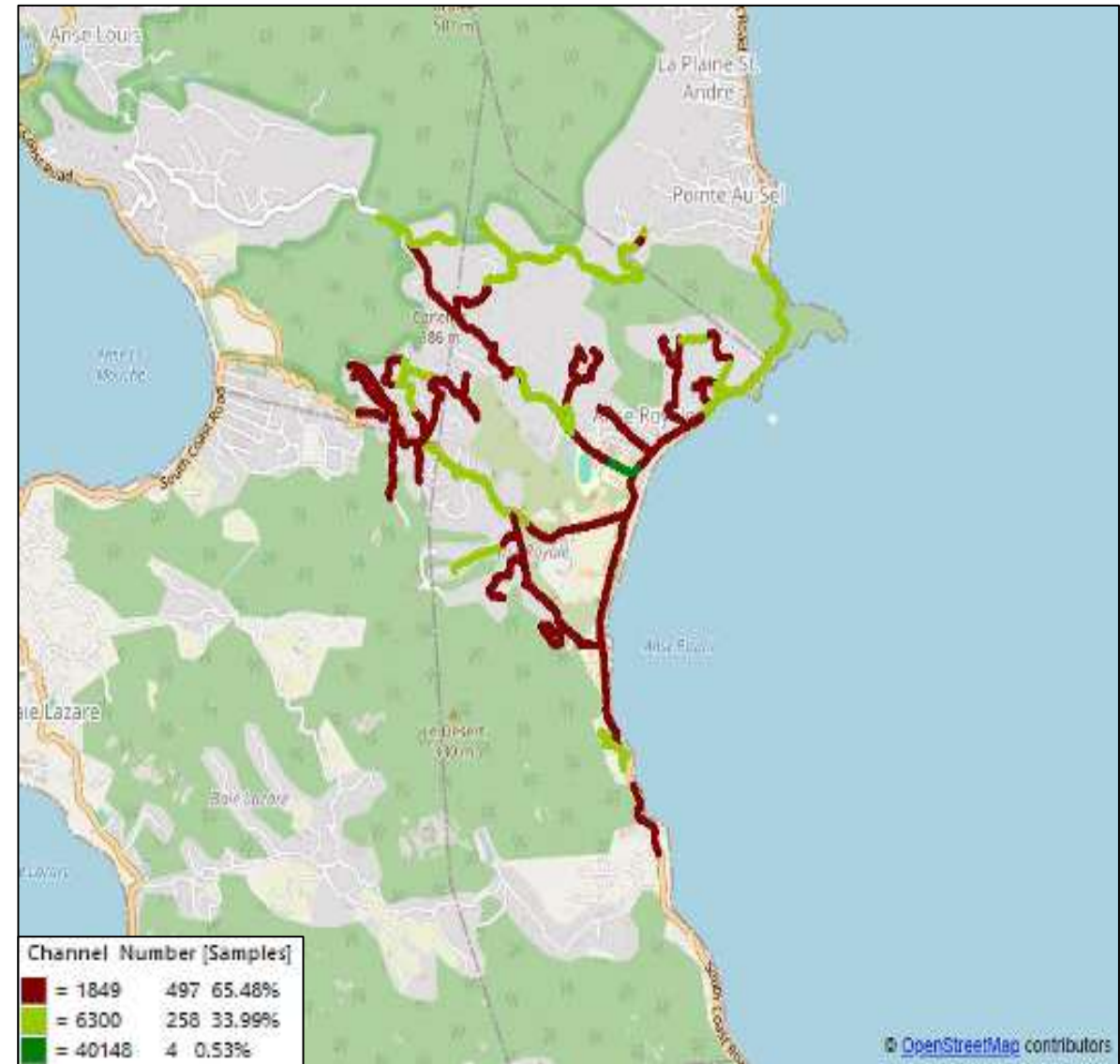
CWS Data 4G



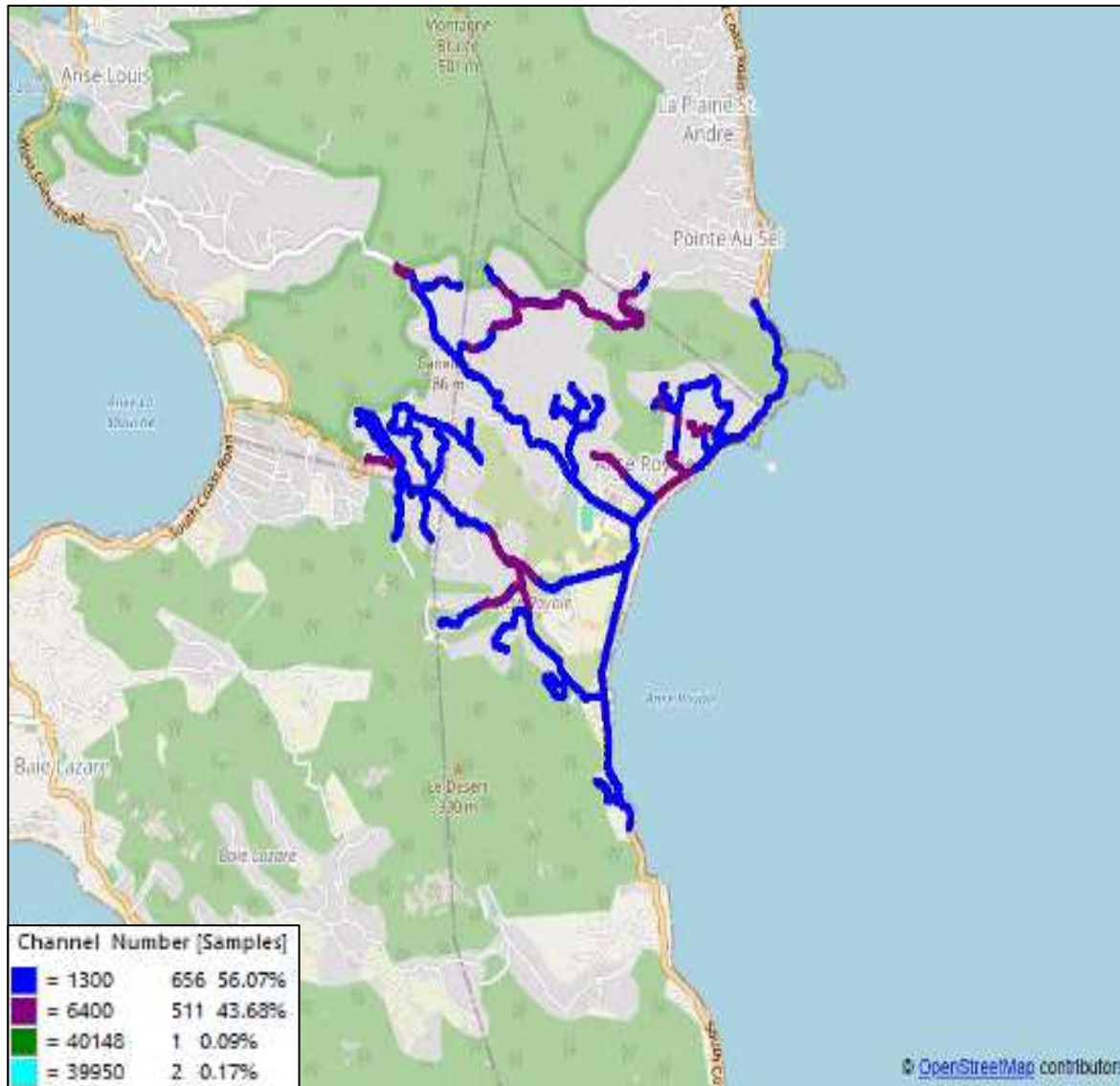
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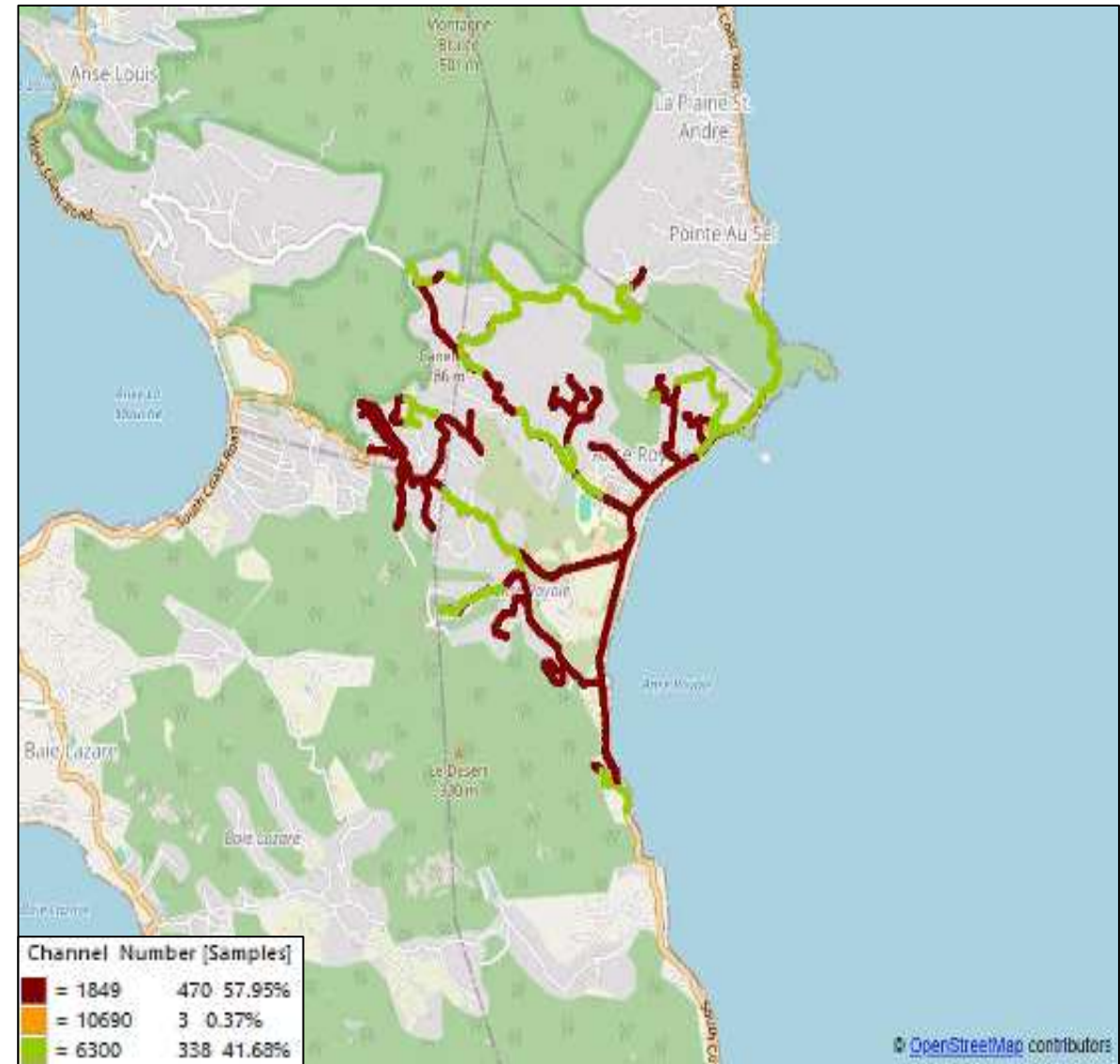
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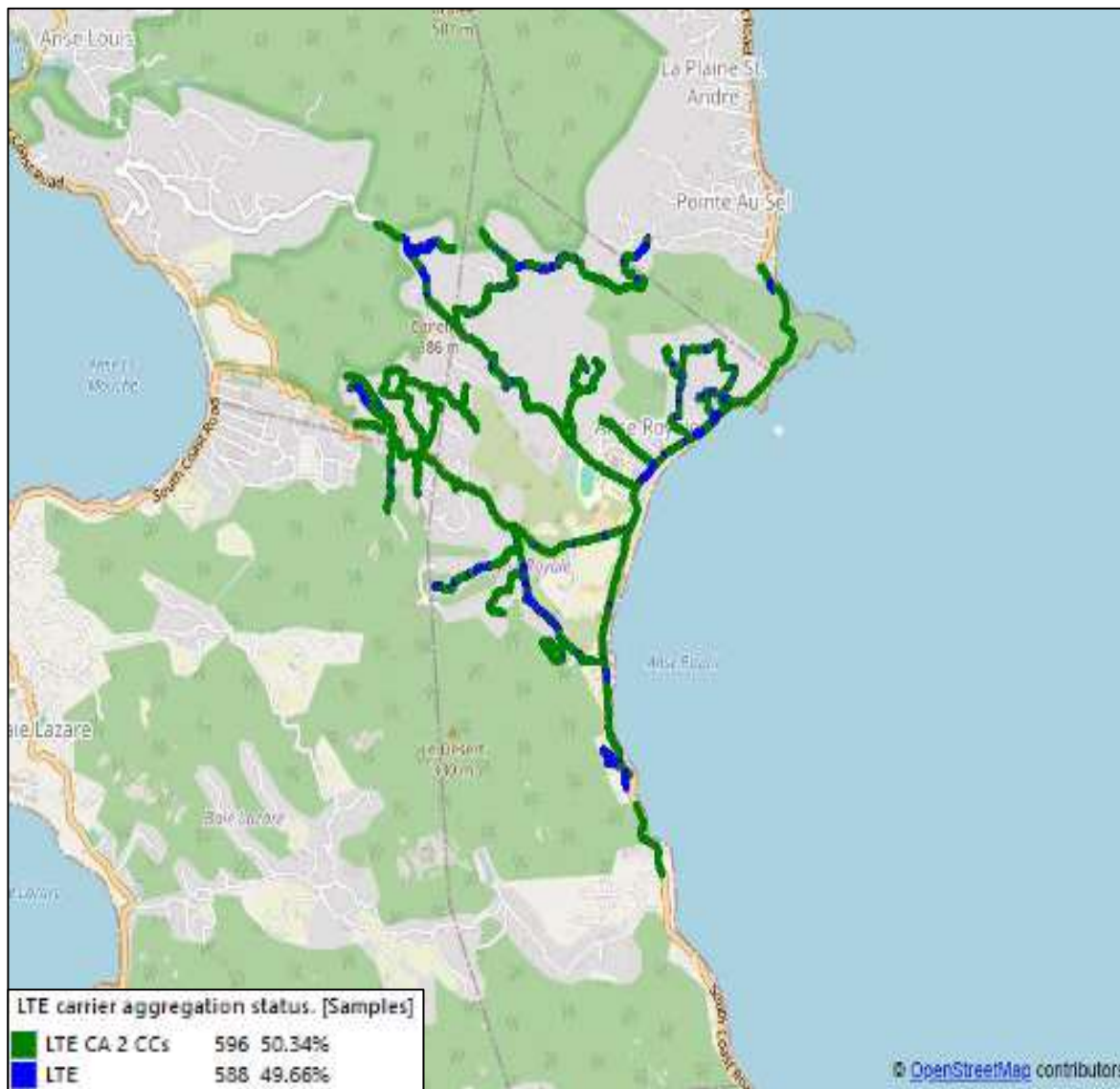
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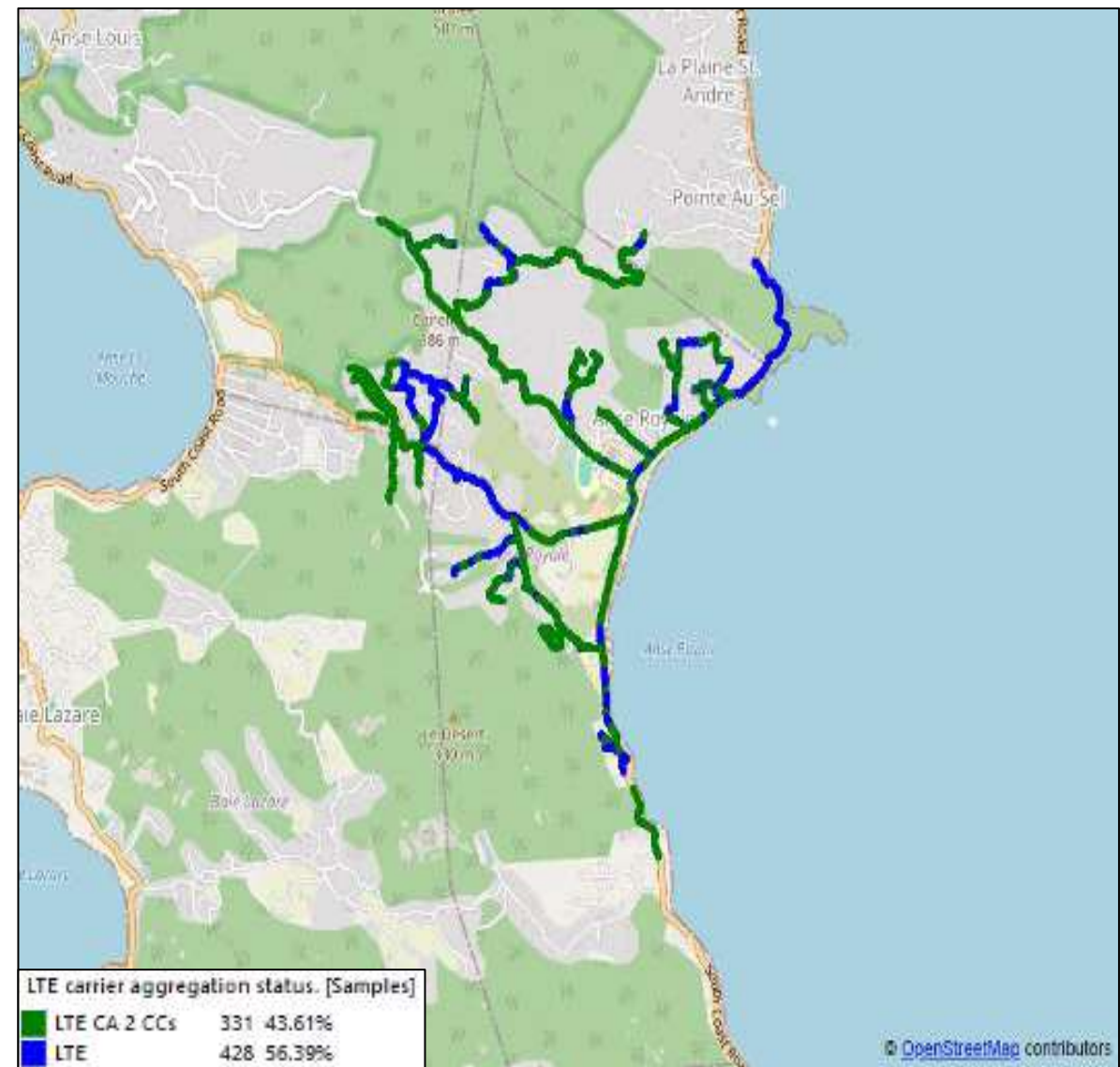
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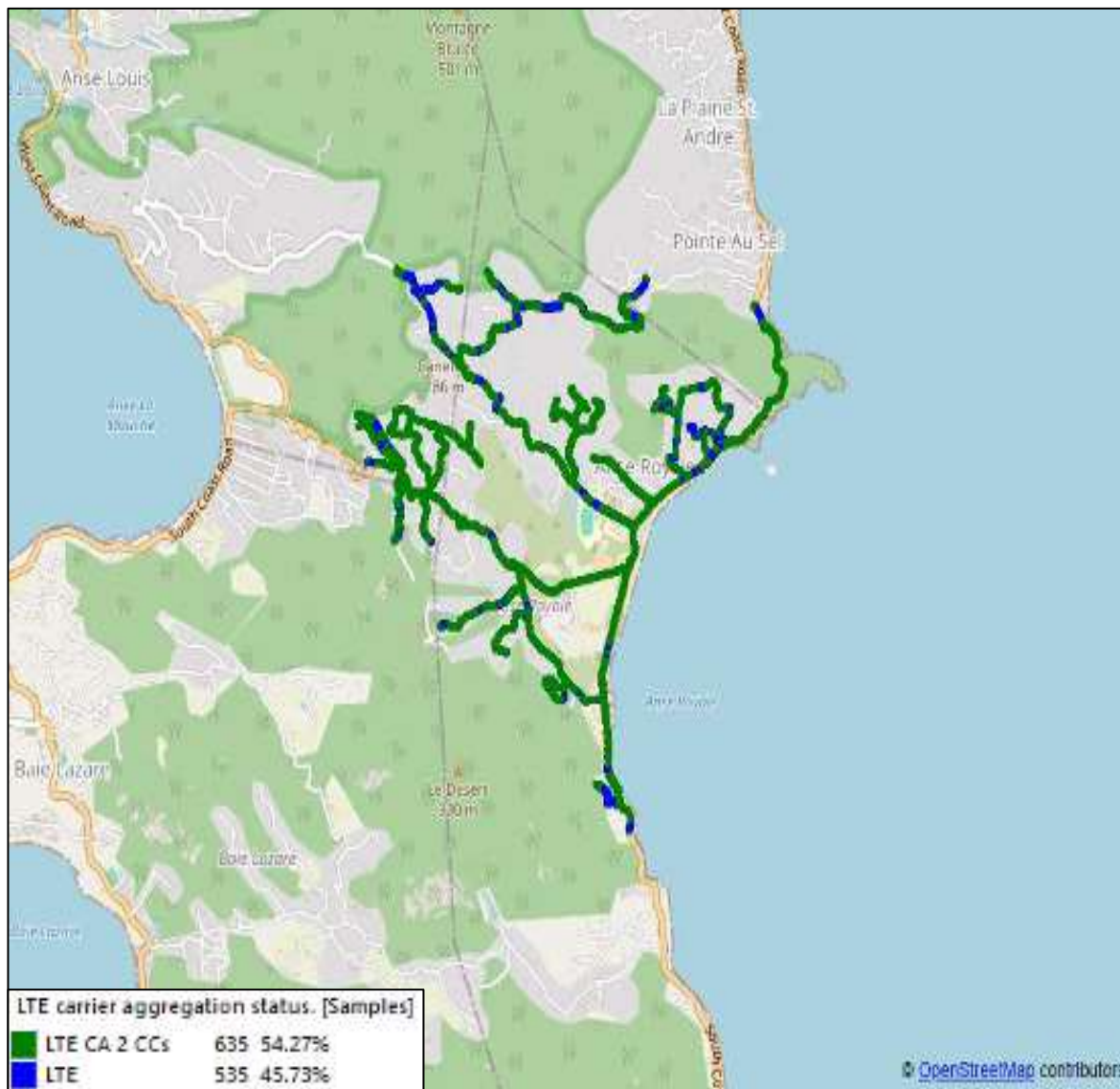
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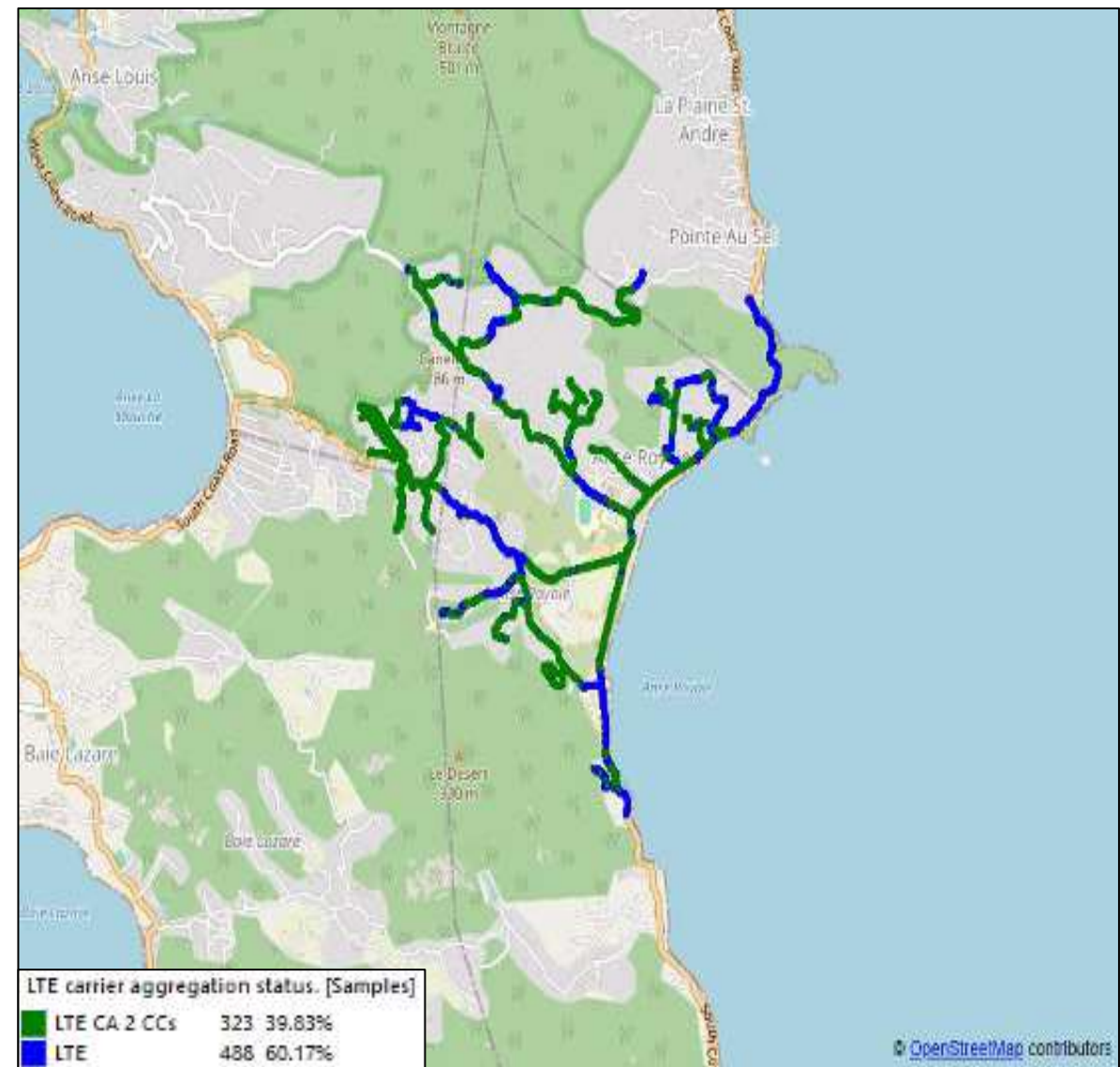
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Airtel Data 4G

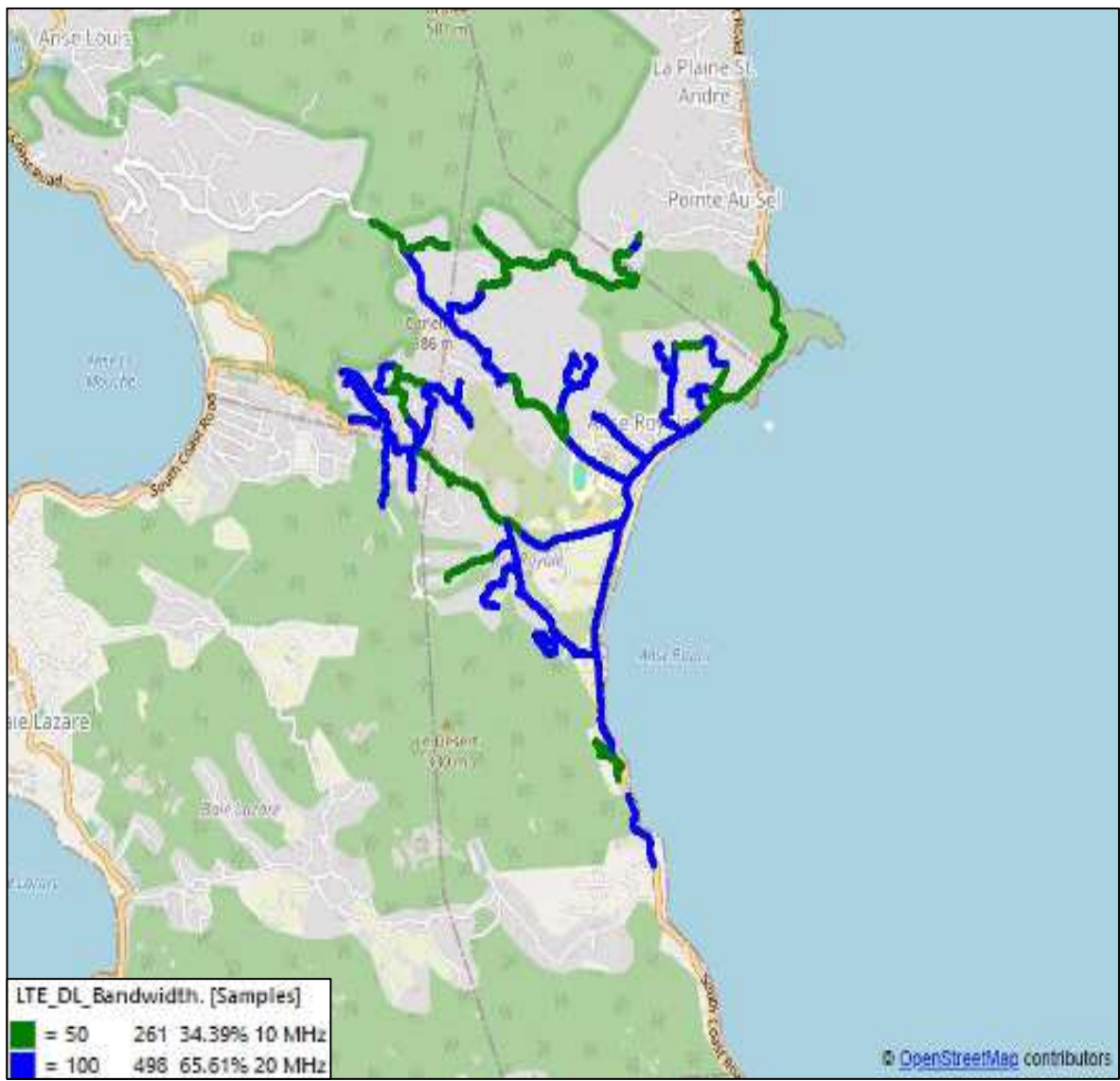
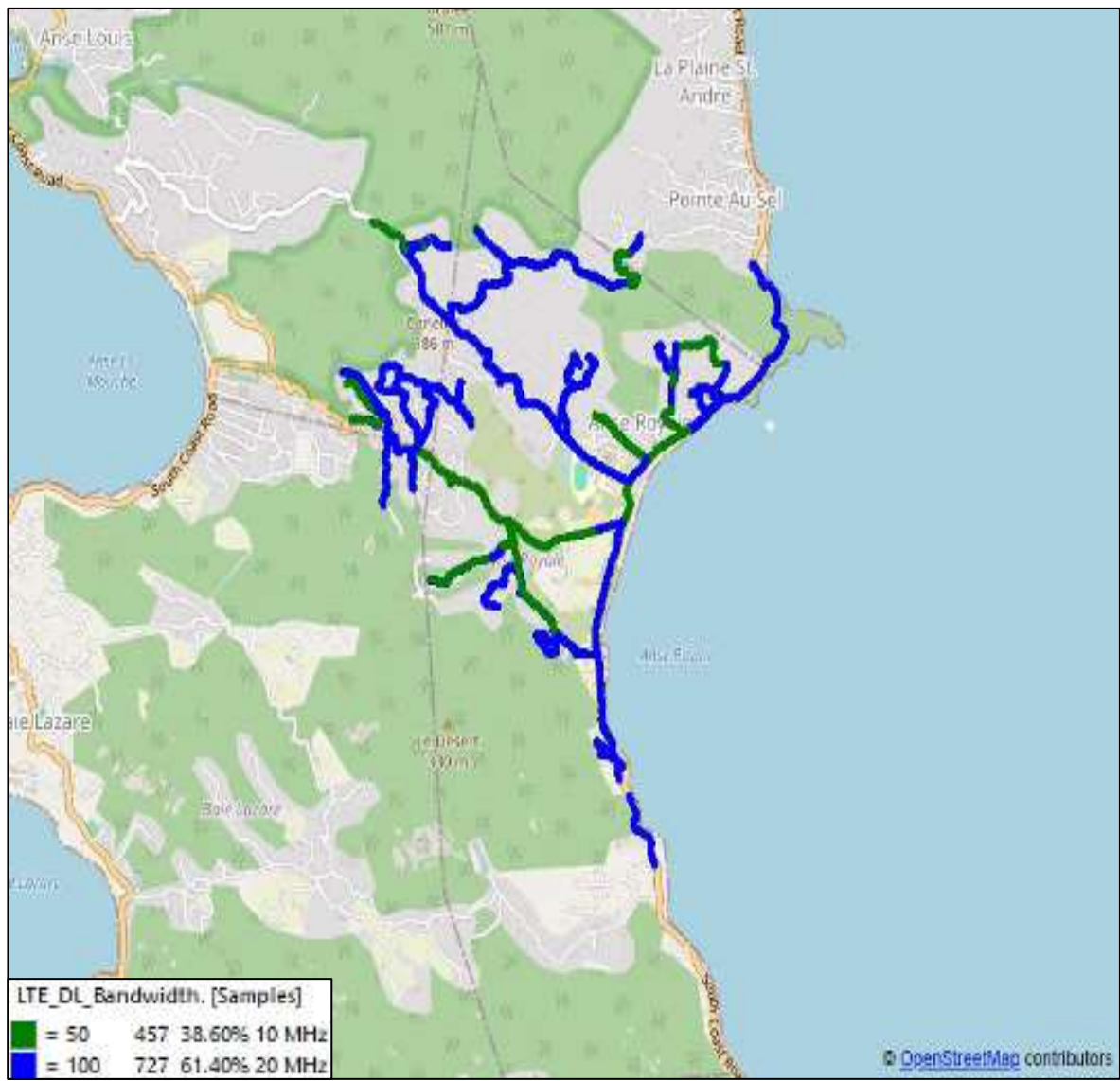


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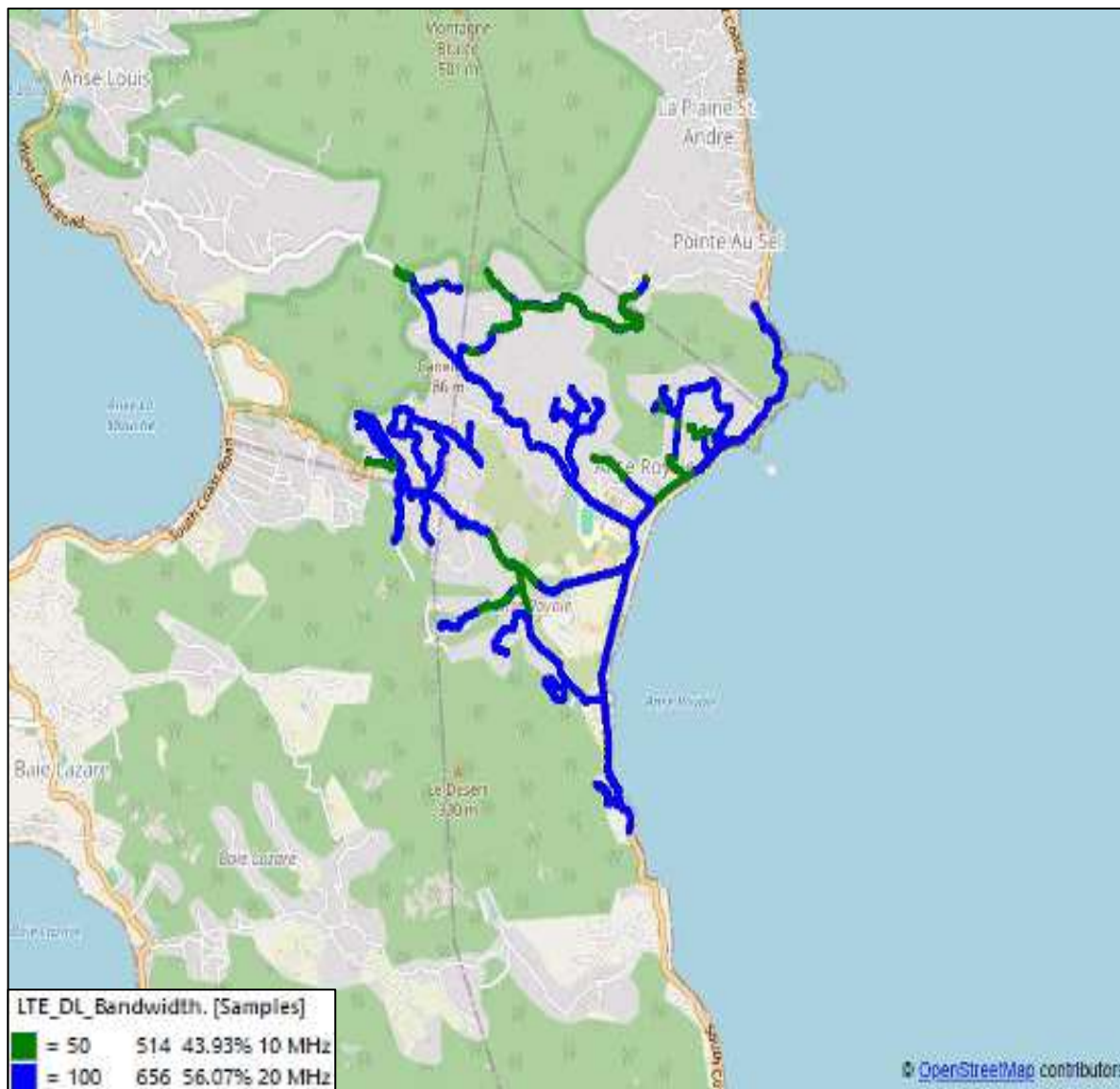


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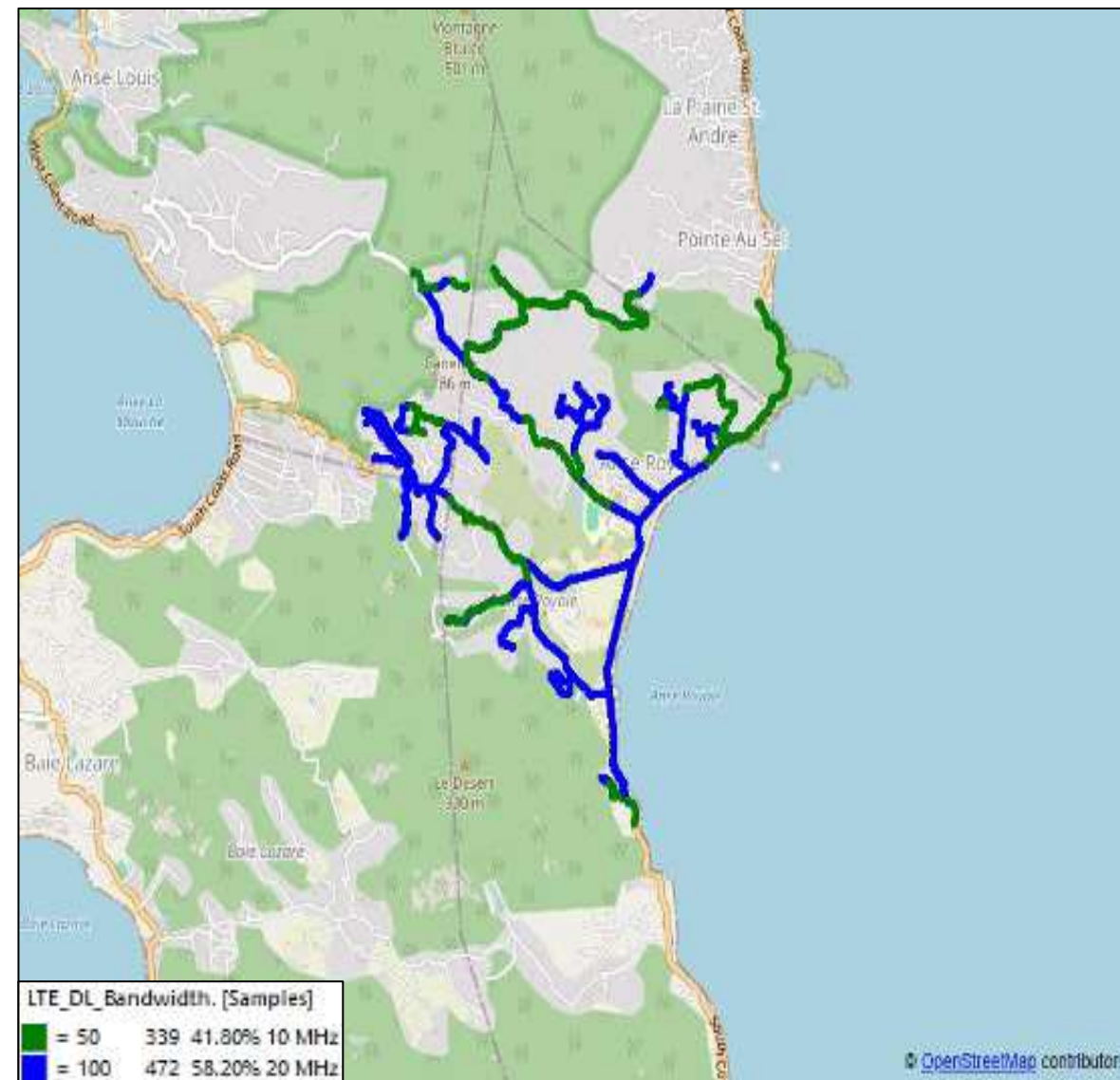
CWS Data 4G



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	2
Poor Coverage	2

Call Attempt Failure cause from CWS	Count
Total Call Attempt Failure	1
Poor Coverage	1

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

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

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

	Time	System	Serving band	Call	1. best active RSCP	Time	Ch	SC	1. best active Ec/NO		System	Transf. dir.	Time	Subchannel	Message name
1.	8:50:15.217	UMTS FDD	2100	Norn	10970. -116.6	8:50:09.821	10562	88		34133.	UMTS FDD	Uplink	8:49:58.198	DCCH	IDENTITY_RESPONSE
2.	8:52:03.216	UMTS FDD	2100	Norn	10971.	8:50:09.821	10562	88	-15	34134.	UMTS FDD	Uplink	8:49:58.198	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					10972.	8:50:10.044	10562	88		34135.	UMTS FDD	Downlink	8:49:58.327	DCCH	MEASUREMENT_CONTROL
					10973.	8:50:10.044	10562	88	-18.8	34136.	UMTS FDD	Downlink	8:49:58.336	DCCH	DOWNLINK_DIRECT_TRANSFER
					10974.	8:50:10.637	10562	72		34137.	UMTS FDD	Downlink	8:49:58.336	DCCH	CALL_PROCEEDING
					10975.	8:50:10.637	10562	72	-16.7	34138.	UMTS FDD	Uplink	8:49:58.447	DCCH	MEASUREMENT_REPORT
					10976.	8:50:11.420	10562	88		34139.	UMTS FDD	Uplink	8:49:58.460	DCCH	MEASUREMENT_REPORT
					10977.	8:50:11.420	10562	88	-19.1	34140.	UMTS FDD	Uplink	8:50:03.518	DCCH	MEASUREMENT_REPORT
					10978.	8:50:11.927	10562	88		34141.	UMTS FDD	Uplink	8:50:03.921	DCCH	MEASUREMENT_REPORT
					10979.	8:50:11.927	10562	88	-13.4	34142.	UMTS FDD	Downlink	8:50:04.226	DCCH	RADIO_BEARER_SETUP
					10980.	8:50:12.269	10562	72		34143.	UMTS FDD	Uplink	8:50:04.429	DCCH	MEASUREMENT_REPORT
					10981.	8:50:12.269	10562	72	-15.4	34144.	UMTS FDD	Uplink	8:50:04.570	DCCH	RADIO_BEARER_SETUP_COMPLETE
					10982.	8:50:12.920	10562	72		34145.	UMTS FDD	Downlink	8:50:04.857	DCCH	RADIO_BEARER_RECONFIGURATION
					10983.	8:50:12.920	10562	72	-11.4	34146.	UMTS FDD	Uplink	8:50:04.861	DCCH	MEASUREMENT_REPORT
					10984.	8:50:13.276	10562	72		34147.	UMTS FDD	Downlink	8:50:04.897	DCCH	DOWNLINK_DIRECT_TRANSFER
					10985.	8:50:13.276	10562	72	-13.1	34148.	UMTS FDD	Downlink	8:50:04.897	DCCH	PROGRESS
					10986.	8:50:13.511	10562	72		34149.	UMTS FDD	Uplink	8:50:04.899	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					10987.	8:50:13.511	10562	72	-13.1	34150.	UMTS FDD	Downlink	8:50:05.257	DCCH	ACTIVE_SET_UPDATE
					10988.	8:50:13.925	10562	72		34151.	UMTS FDD	Uplink	8:50:05.268	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					10989.	8:50:13.925	10562	72	-18.5	34152.	UMTS FDD	Uplink	8:50:05.411	DCCH	MEASUREMENT_REPORT
					10990.	8:50:14.400	10562	72		34153.	UMTS FDD	Downlink	8:50:05.657	DCCH	MEASUREMENT_CONTROL
					10991.	8:50:14.400	10562	72	-15.8	34154.	UMTS FDD	Downlink	8:50:05.737	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					10992.	8:50:14.639	10562	72		34155.	UMTS FDD	Uplink	8:50:05.779	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					10993.	8:50:14.639	10562	72	-15.8	34156.	UMTS FDD	Uplink	8:50:06.006	DCCH	MEASUREMENT_REPORT
					10994.	8:50:15.003	10562	88		34157.	UMTS FDD	Uplink	8:50:06.323	DCCH	MEASUREMENT_REPORT
					10995.	8:50:15.003	10562	88	-18.5	34158.	UMTS FDD	Uplink	8:50:06.478	DCCH	MEASUREMENT_REPORT
					10996.	8:50:15.319	10562	72		34159.	UMTS FDD	Uplink	8:50:06.655	DCCH	MEASUREMENT_REPORT
					10997.	8:50:15.319	10562	72	-13	34160.	UMTS FDD	Downlink	8:50:06.737	DCCH	MEASUREMENT_CONTROL
					10998.	8:50:15.722	10562	41		34161.	UMTS FDD	Uplink	8:50:07.020	DCCH	MEASUREMENT_REPORT
					10999.	8:50:15.722	10562	41	-14.6	34162.	UMTS FDD	Uplink	8:50:07.371	DCCH	MEASUREMENT_REPORT
					11000.	8:50:16.397	10562	41		34163.	UMTS FDD	Uplink	8:50:07.450	DCCH	MEASUREMENT_REPORT
					11001.	8:50:16.397	10562	41	-18.4	34164.	UMTS FDD	Downlink	8:50:07.737	DCCH	ACTIVE_SET_UPDATE
					11002.	8:50:17.257	10562	41		34165.	UMTS FDD	Uplink	8:50:07.778	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					11003.	8:50:17.257	10562	41	-19.9	34166.	UMTS FDD	Downlink	8:50:07.829	BCCH_BCH	SYSTEM_INFORMATION_BCH
					11004.	8:50:17.934	10562	41		34167.	UMTS FDD	Downlink	8:50:07.869	BCCH_BCH	SYSTEM_INFORMATION_BCH
					11005.	8:50:17.934	10562	41	-22.6	34168.	UMTS FDD	Downlink	8:50:07.869	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_12

Analysis:

- This call failure event occurred on short call at 08:50:15:217 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 88 and RF condition RSCP -120 dBm and Ec/No -18.5 dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

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

	Time	System	Serving band	Call	1. best active RSCP	Time	Ch	SC	1. best active Ec/NO		System	Transf. dir.	Time	Subchannel	Message name	
1.	8:50:15.217	UMTS FDD	2100	Norm	11157.	-126.6	8:51:56.999	10562	88		34756.	UMTS FDD	Downlink	8:51:46.308	DCCH	DOWNLINK_DIRECT_TRANSFER
2.	8:52:03.216	UMTS FDD	2100	Norm	11158.		8:51:56.999	10562	88	-21	34757.	UMTS FDD	Downlink	8:51:46.308	DCCH	IDENTITY_REQUEST
					11159.	-128.9	8:51:57.364	10562	88		34758.	UMTS FDD	Uplink	8:51:46.309	DCCH	UPLINK_DIRECT_TRANSFER
					11160.		8:51:57.364	10562	88	-23.1	34759.	UMTS FDD	Uplink	8:51:46.309	DCCH	IDENTITY_RESPONSE
					11161.	-128.1	8:51:58.006	10562	72		34760.	UMTS FDD	Uplink	8:51:46.381	DCCH	MEASUREMENT_REPORT
					11162.		8:51:58.006	10562	72	-22.5	34761.	UMTS FDD	Downlink	8:51:46.428	DCCH	DOWNLINK_DIRECT_TRANSFER
					11163.	-128	8:51:58.179	10562	88		34762.	UMTS FDD	Downlink	8:51:46.428	DCCH	CALL_PROCEEDING
					11164.		8:51:58.179	10562	88	-22.2	34763.	UMTS FDD	Downlink	8:51:46.488	DCCH	ACTIVE_SET_UPDATE
					11165.	-129.5	8:51:59.007	10562	72		34764.	UMTS FDD	Uplink	8:51:46.500	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					11166.		8:51:59.007	10562	72	-23.7	34765.	UMTS FDD	Uplink	8:51:46.574	DCCH	MEASUREMENT_REPORT
					11167.	-124.8	8:51:59.299	10562	72		34766.	UMTS FDD	Downlink	8:51:46.608	DCCH	MEASUREMENT_CONTROL
					11168.		8:51:59.299	10562	72	-21	34767.	UMTS FDD	Uplink	8:51:46.801	DCCH	MEASUREMENT_REPORT
					11169.	-129	8:52:00.004	10562	88		34768.	UMTS FDD	Uplink	8:51:47.119	DCCH	MEASUREMENT_REPORT
					11170.		8:52:00.004	10562	88	-23.2	34769.	UMTS FDD	Uplink	8:51:48.812	DCCH	MEASUREMENT_REPORT
					11171.	-130.1	8:52:00.319	10562	72		34770.	UMTS FDD	Uplink	8:51:49.803	DCCH	MEASUREMENT_REPORT
					11172.		8:52:00.319	10562	72	-24.3	34771.	UMTS FDD	Uplink	8:51:51.129	DCCH	MEASUREMENT_REPORT
					11173.	-127.7	8:52:01.006	10562	88		34772.	UMTS FDD	Uplink	8:51:51.222	DCCH	MEASUREMENT_REPORT
					11174.		8:52:01.006	10562	88	-23.1	34773.	UMTS FDD	Downlink	8:51:51.318	DCCH	ACTIVE_SET_UPDATE
					11175.	-121	8:52:01.557	10562	72		34774.	UMTS FDD	Uplink	8:51:51.350	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					11176.		8:52:01.557	10562	72	-17.3	34775.	UMTS FDD	Downlink	8:51:51.458	DCCH	MEASUREMENT_CONTROL
					11177.	-124.4	8:52:02.057	10562	72		34776.	UMTS FDD	Uplink	8:51:52.111	DCCH	MEASUREMENT_REPORT
					11178.		8:52:02.057	10562	72	-24	34777.	UMTS FDD	Downlink	8:51:52.248	DCCH	RADIO_BEARER_SETUP
					11179.	-118.3	8:52:02.579	10562	88		34778.	UMTS FDD	Uplink	8:51:52.291	DCCH	MEASUREMENT_REPORT
					11180.		8:52:02.579	10562	88	-18.4	34779.	UMTS FDD	Uplink	8:51:52.572	DCCH	RADIO_BEARER_SETUP_COMPLETE
					11181.	-118.4	8:52:03.066	10562	88		34780.	UMTS FDD	Uplink	8:51:52.691	DCCH	MEASUREMENT_REPORT
					11182.		8:52:03.066	10562	88	-20	34781.	UMTS FDD	Downlink	8:51:52.859	DCCH	RADIO_BEARER_RECONFIGURATION
					11183.	-118.1	8:52:03.577	10562	41		34782.	UMTS FDD	Uplink	8:51:52.900	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					11184.		8:52:03.577	10562	41	-16	34783.	UMTS FDD	Downlink	8:51:52.938	DCCH	DOWNLINK_DIRECT_TRANSFER
					11185.	-118.1	8:52:04.192	10562	41		34784.	UMTS FDD	Downlink	8:51:52.938	DCCH	PROGRESS
					11186.		8:52:04.192	10562	41	-16	34785.	UMTS FDD	Downlink	8:51:53.139	DCCH	ACTIVE_SET_UPDATE
					11187.	-119.8	8:52:07.010	10562	72		34786.	UMTS FDD	Uplink	8:51:53.150	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					11188.		8:52:07.010	10562	72	-15.2	34787.	UMTS FDD	Downlink	8:51:53.458	DCCH	MEASUREMENT_CONTROL
					11189.	-125.8	8:52:08.282	10562	72		34788.	UMTS FDD	Downlink	8:51:53.538	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					11190.		8:52:08.282	10562	72	-20.2	34789.	UMTS FDD	Uplink	8:51:53.578	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					11191.	-125.2	8:52:09.758	10588	72		34790.	UMTS FDD	Downlink	8:51:54.416	DCCH	MEASUREMENT_CONTROL
					11192.		8:52:09.758	10588	72	-24.3	34791.	UMTS FDD	Downlink	8:51:55.576	DCCH	SECURITY_MODE_COMMAND

Analysis:

- This call failure event occurred on short call at 08:52:03:216 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 88 and RF condition RSCP -118.4 dBm and Ec/No -20 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	Call failure	Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub	Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	9:01:27.712	GSM	900	Dropped	265.	9:01:16.315	-92	1	19	1	0	31951.	L3SM	GSM	Uplink	9:01:13.287	SACCH	MEASUREMENT_REPORT
					266.	9:01:16.583					4	31952.	L3SM	GSM	Downlink	9:01:13.403	SACCH	MEASUREMENT_INFORMATION
					267.	9:01:17.053	-95	1	19	1	0	31953.	L3SM	GSM	Downlink	9:01:13.726	DCCH	CALL_PROCEEDING
					268.	9:01:17.053					4	31954.	L3SM	GSM	Uplink	9:01:13.758	SACCH	MEASUREMENT_REPORT
					269.	9:01:17.524					2	31955.	L3SM	GSM	Downlink	9:01:13.873	SACCH	MEASUREMENT_INFORMATION
					270.	9:01:17.639	-93	1	19	1	0	31956.	L3SM	GSM	Uplink	9:01:14.229	SACCH	MEASUREMENT_REPORT
					271.	9:01:17.995					6	31957.	L3SM	GSM	Downlink	9:01:14.344	SACCH	MEASUREMENT_INFORMATION
					272.	9:01:18.161	-94	1	19	1	0	31958.	L3SM	GSM	Uplink	9:01:14.700	SACCH	MEASUREMENT_REPORT
					273.	9:01:18.466					5	31959.	L3SM	GSM	Downlink	9:01:14.815	SACCH	MEASUREMENT_INFORMATION
					274.	9:01:18.581	-92	1	19	1	0	31960.	L3SM	GSM	Uplink	9:01:15.171	SACCH	MEASUREMENT_REPORT
					275.	9:01:18.937					0	31961.	L3SM	GSM	Downlink	9:01:15.286	SACCH	MEASUREMENT_INFORMATION
					276.	9:01:19.139	-93	1	19	1	0	31962.	L3SM	GSM	Uplink	9:01:15.641	SACCH	MEASUREMENT_REPORT
					277.	9:01:19.407					1	31963.	L3SM	GSM	Downlink	9:01:15.757	SACCH	SYSTEM_INFORMATION_TYPE_5
					278.	9:01:19.523	-95	1	19	1	0	31964.	L3SM	GSM	Uplink	9:01:16.112	SACCH	MEASUREMENT_REPORT
					279.	9:01:19.878					0	31965.	L3SM	GSM	Downlink	9:01:16.227	SACCH	SYSTEM_INFORMATION_TYPE_5TER
					280.	9:01:20.125	-92	1	19	1	0	31966.	L3SM	GSM	Uplink	9:01:16.583	SACCH	MEASUREMENT_REPORT
					281.	9:01:20.349					3	31967.	L3SM	GSM	Downlink	9:01:16.698	SACCH	SYSTEM_INFORMATION_TYPE_6
					282.	9:01:20.561	-92	1	19	1	0	31968.	L3SM	GSM	Uplink	9:01:17.053	SACCH	MEASUREMENT_REPORT
					283.	9:01:20.820					0	31969.	L3SM	GSM	Downlink	9:01:17.169	SACCH	MEASUREMENT_INFORMATION
					284.	9:01:21.022	-91	1	19	1	0	31970.	L3SM	GSM	Uplink	9:01:17.524	SACCH	MEASUREMENT_REPORT
					285.	9:01:21.291					5	31971.	L3SM	GSM	Downlink	9:01:17.639	SACCH	MEASUREMENT_INFORMATION
					286.	9:01:21.761					7	31972.	L3SM	GSM	Uplink	9:01:17.995	SACCH	MEASUREMENT_REPORT
					287.	9:01:22.005	-96	1	19	1	0	31973.	L3SM	GSM	Downlink	9:01:18.110	SACCH	MEASUREMENT_INFORMATION
					288.	9:01:22.232					4	31974.	L3SM	GSM	Uplink	9:01:18.466	SACCH	MEASUREMENT_REPORT
					289.	9:01:22.365	-95	1	19	1	0	31975.	L3SM	GSM	Downlink	9:01:18.581	SACCH	MEASUREMENT_INFORMATION
					290.	9:01:22.703					6	31976.	L3SM	GSM	Uplink	9:01:18.937	SACCH	MEASUREMENT_REPORT
					291.	9:01:23.173					4	31977.	L3SM	GSM	Downlink	9:01:19.052	SACCH	MEASUREMENT_INFORMATION
					292.	9:01:23.289	-94	1	19	1	0	31978.	L3SM	GSM	Uplink	9:01:19.407	SACCH	MEASUREMENT_REPORT
					293.	9:01:23.644					5	31979.	L3SM	GSM	Downlink	9:01:19.523	SACCH	SYSTEM_INFORMATION_TYPE_5
					294.	9:01:24.115	-96	1	19	1	0	31980.	L3SM	GSM	Uplink	9:01:19.878	SACCH	MEASUREMENT_REPORT
					295.	9:01:24.115					6	31981.	L3SM	GSM	Downlink	9:01:19.993	SACCH	SYSTEM_INFORMATION_TYPE_5TER
					296.	9:01:24.606	-95	1	19	1	0	31982.	L3SM	GSM	Uplink	9:01:20.349	SACCH	MEASUREMENT_REPORT
					297.	9:01:25.057					6	31983.	L3SM	GSM	Downlink	9:01:20.464	SACCH	SYSTEM_INFORMATION_TYPE_6
					298.	9:01:25.259	-95	1	19	1	0	31984.	L3SM	GSM	Uplink	9:01:20.820	SACCH	MEASUREMENT_REPORT
					299.	9:01:25.527					6	31985.	L3SM	GSM	Downlink	9:01:20.935	SACCH	MEASUREMENT_INFORMATION
					300.	9:01:25.998					6	31986.	L3SM	GSM	Uplink	9:01:21.291	SACCH	MEASUREMENT_REPORT

Analysis:

- This call failure event occurred on short call at 09:01:27:712 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 session UE was latched with ARFCN 1. RF Conditions found during session also seemed OK. (Rx Lev : -96, Rx Qual= 7)
- As per the Analysis the call setup failure event occurred due to poor coverage in the network.

Phase-1 Call Drop Analysis 1 From MS9 Airtel MO

	Time	System	Serving band		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	8:50:20.753	GSM	900		4781.	8:42:36.180	-75	97	56	50000	1		22917.	L3SM	UMTS FDD	Downlink	8:49:57.546	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
					4782.	8:42:36.657	-75	97	56	50000	1		22918.	RRCSM	UMTS FDD	Uplink	8:49:57.687	DCCH	MEASUREMENT_REPORT
					4783.	8:42:37.248	-75	97	56	50000	1		22919.	RRCSM	UMTS FDD	Uplink	8:49:57.689	DCCH	UPLINK_DIRECT_TRANSFER
					4784.	8:42:37.737	-74	97	56	50000	1		22920.	L3SM	UMTS FDD	Uplink	8:49:57.689	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
					4785.	8:42:38.041	-75	97	56	50000	1		22921.	RRCSM	UMTS FDD	Downlink	8:49:58.066	DCCH	SECURITY_MODE_COMMAND
					4786.	8:42:38.604	-74	97	56	50000	1		22922.	RRCSM	UMTS FDD	Uplink	8:49:58.066	DCCH	SECURITY_MODE_COMPLETE
					4787.	8:42:39.204	-73	97	56	50000	1		22923.	RRCSM	UMTS FDD	Uplink	8:49:58.119	DCCH	MEASUREMENT_REPORT
					4788.	8:42:39.795	-73	97	56	50000	1		22924.	RRCSM	UMTS FDD	Downlink	8:49:58.466	DCCH	HANDOVER_FROM_UTRAN_COMMAND_GSM
					4789.	8:42:40.188	-73	97	56	50000	1		22925.	L3SM	UMTS FDD	Downlink	8:49:58.466	DCCH	HANDOVER_COMMAND
					4790.	8:42:40.605	-73	97	56	50000	1		22926.	L3SM	GSM	Downlink	8:49:58.484	DCCH	HANDOVER_COMMAND
					4791.	8:42:41.006	-85	97	56	50000	1		22927.	L3SM	GSM	Downlink	8:49:58.627	DCCH	PHYSICAL_INFORMATION
					4792.	8:42:43.209				50000	1		22928.	L3SM	GSM	Uplink	8:49:58.627	DCCH	HANDOVER_COMPLETE
					4793.	8:42:45.318	-71	97		50000	1		22929.	L3SM	GSM	Downlink	8:49:58.687	DCCH	PHYSICAL_INFORMATION
					4794.	8:49:58.941					2		22930.	L3SM	GSM	Uplink	8:49:58.757	DCCH	GPRS_SUSPENSION_REQUEST
					4795.	8:49:59.004	-90	103	61	62000	4		22931.	L3SM	GSM	Uplink	8:49:58.941	SACCH	MEASUREMENT_REPORT
					4796.	8:49:59.421					6		22932.	L3SM	GSM	Downlink	8:49:59.375	SACCH	MEASUREMENT_INFORMATION
					4797.	8:49:59.858	-92	103	61	50000	4		22933.	L3SM	GSM	Uplink	8:49:59.421	SACCH	MEASUREMENT_REPORT
					4798.	8:50:00.381					7		22934.	L3SM	GSM	Downlink	8:49:59.855	SACCH	SYSTEM_INFORMATION_TYPE_6
					4799.	8:50:00.686	-93	103	61	50000	4		22935.	L3SM	GSM	Uplink	8:49:59.901	SACCH	MEASUREMENT_REPORT
					4800.	8:50:00.861					5		22936.	L3SM	GSM	Downlink	8:50:00.335	SACCH	SYSTEM_INFORMATION_TYPE_5
					4801.	8:50:01.105	-92	103	61	50000	4		22937.	L3SM	GSM	Uplink	8:50:00.381	SACCH	MEASUREMENT_REPORT
					4802.	8:50:01.341					6		22938.	L3SM	GSM	Downlink	8:50:00.815	SACCH	MEASUREMENT_INFORMATION
					4803.	8:50:01.821					7		22939.	L3SM	GSM	Uplink	8:50:00.861	SACCH	MEASUREMENT_REPORT
					4804.	8:50:01.937	-93	103	61	50000	4		22940.	L3SM	GSM	Downlink	8:50:01.295	SACCH	SYSTEM_INFORMATION_TYPE_6
					4805.	8:50:02.827	-94	103	61	50000	4		22941.	L3SM	GSM	Uplink	8:50:01.341	SACCH	MEASUREMENT_REPORT
					4806.	8:50:03.307	-94	103	61	50000	4		22942.	L3SM	GSM	Downlink	8:50:01.775	SACCH	SYSTEM_INFORMATION_TYPE_5
					4807.	8:50:04.001	-94	103	61	50000	4		22943.	L3SM	GSM	Uplink	8:50:01.821	SACCH	MEASUREMENT_REPORT
					4808.	8:50:04.221	-94	103	61	50000	4		22944.	L3SM	GSM	Uplink	8:50:02.301	SACCH	MEASUREMENT_REPORT
					4809.	8:50:05.004	-94	103	61	50000	4		22945.	L3SM	GSM	Uplink	8:50:02.781	SACCH	MEASUREMENT_REPORT
					4810.	8:50:05.282	-94	103	61	50000	4		22946.	L3SM	GSM	Uplink	8:50:03.261	SACCH	MEASUREMENT_REPORT
					4811.	8:50:06.002	-93	103	61	50000	4		22947.	L3SM	GSM	Uplink	8:50:03.741	SACCH	MEASUREMENT_REPORT
					4812.	8:50:06.229	-94	103	61	50000	4		22948.	L3SM	GSM	Uplink	8:50:04.221	SACCH	MEASUREMENT_REPORT
					4813.	8:50:07.004	-94	103	61	50000	4		22949.	L3SM	GSM	Uplink	8:50:04.701	SACCH	MEASUREMENT_REPORT
					4814.	8:50:07.249	-94	103	61	50000	4		22950.	L3SM	GSM	Uplink	8:50:05.181	SACCH	MEASUREMENT_REPORT

Analysis:

- This call drop event occurred on long call at 08:50:20:381 time when UE was latched with 2G network.
- After getting Alerting message at 08:49:36:507 time than Call drop happened.
- During the session UE was latched with ARFCN 103 and RF condition Rx lev -92 dBm is good and Rx qual 7 dB was very poor.
- As per the Analysis the call setup drop event occurred due to poor quality in the network.

Phase-1 Call Drop Analysis 1 From MS11 CWS MO

	Time	System	Serving band	Call type	Cal	Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub	Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	12:37:39.795	GSM	900	Voice call	Orig	110.	12:35:39.673	-77	25	13	1	10	1436.	RRCSM	UMTS FDD	Downlink	12:37:16.552	DCCH	MEASUREMENT_CONTROL
						111.	12:35:40.033	-81	25	13	1	10	1437.	RRCSM	UMTS FDD	Uplink	12:37:16.723	DCCH	MEASUREMENT_REPORT
						112.	12:35:40.769	-77	25	13	1	10	1438.	RRCSM	UMTS FDD	Downlink	12:37:16.792	DCCH	MEASUREMENT_CONTROL
						113.	12:35:41.215	-78	25	13	1	10	1439.	RRCSM	UMTS FDD	Downlink	12:37:16.992	DCCH	HANDOVER_FROM_UTRAN_COMMAND_G
						114.	12:35:41.769	-78	25	13	1	10	1440.	L3SM	UMTS FDD	Downlink	12:37:16.992	DCCH	HANDOVER_COMMAND
						115.	12:35:41.769					0	1441.	L3SM	GSM	Downlink	12:37:17.011	DCCH	HANDOVER_COMMAND
						116.	12:35:42.156	-78	25	13	1	10	1442.	L3SM	GSM	Downlink	12:37:17.123	DCCH	PHYSICAL_INFORMATION
						117.	12:35:42.387						1443.	L3SM	GSM	Uplink	12:37:17.123	DCCH	HANDOVER_COMPLETE
						118.	12:37:17.776	-89	25	13	10	10	1444.	L3SM	GSM	Downlink	12:37:17.183	DCCH	PHYSICAL_INFORMATION
						119.	12:37:17.776					0	1445.	L3SM	GSM	Uplink	12:37:17.231	DCCH	GPRS_SUSPENSION_REQUEST
						120.	12:37:17.980	-87	25	13	10	10	1446.	L3SM	GSM	Downlink	12:37:17.362	DCCH	IDENTITY_REQUEST
						121.	12:37:17.980					0	1447.	L3SM	GSM	Uplink	12:37:17.362	DCCH	IDENTITY_RESPONSE
						122.	12:37:18.873					2	1448.	L3SM	GSM	Downlink	12:37:17.431	SACCH	SYSTEM_INFORMATION_TYPE_5
						123.	12:37:18.876	-87	25	13	1	10	1449.	L3SM	GSM	Uplink	12:37:17.478	SACCH	MEASUREMENT_REPORT
						124.	12:37:18.918					2	1450.	L3SM	GSM	Downlink	12:37:17.911	SACCH	SYSTEM_INFORMATION_TYPE_5
						125.	12:37:19.398					4	1451.	L3SM	GSM	Uplink	12:37:17.958	SACCH	MEASUREMENT_REPORT
						126.	12:37:19.462	-89	25	13	1	10	1452.	L3SM	GSM	Downlink	12:37:18.391	SACCH	SYSTEM_INFORMATION_TYPE_5TER
						127.	12:37:19.878					4	1453.	L3SM	GSM	Uplink	12:37:18.438	SACCH	MEASUREMENT_REPORT
						128.	12:37:20.358	-89	25	13	1	10	1454.	L3SM	GSM	Downlink	12:37:18.871	SACCH	SYSTEM_INFORMATION_TYPE_6
						129.	12:37:20.358					5	1455.	L3SM	GSM	Uplink	12:37:18.918	SACCH	MEASUREMENT_REPORT
						130.	12:37:20.838	-89	25	13	1	10	1456.	L3SM	GSM	Downlink	12:37:19.351	SACCH	MEASUREMENT_INFORMATION
						131.	12:37:20.838					5	1457.	L3SM	GSM	Uplink	12:37:19.398	SACCH	MEASUREMENT_REPORT
						132.	12:37:21.318	-92	25	13	1	10	1458.	L3SM	GSM	Downlink	12:37:19.831	SACCH	MEASUREMENT_INFORMATION
						133.	12:37:21.318					5	1459.	L3SM	GSM	Uplink	12:37:19.878	SACCH	MEASUREMENT_REPORT
						134.	12:37:21.798					6	1460.	L3SM	GSM	Downlink	12:37:20.311	SACCH	MEASUREMENT_INFORMATION
						135.	12:37:21.885	-93	25	13	1	10	1461.	L3SM	GSM	Uplink	12:37:20.358	SACCH	MEASUREMENT_REPORT
						136.	12:37:22.278					6	1462.	L3SM	GSM	Downlink	12:37:20.791	SACCH	MEASUREMENT_INFORMATION
						137.	12:37:22.342	-94	25	13	1	10	1463.	L3SM	GSM	Uplink	12:37:20.838	SACCH	MEASUREMENT_REPORT
						138.	12:37:22.757					7	1464.	L3SM	GSM	Downlink	12:37:21.271	SACCH	MEASUREMENT_INFORMATION
						139.	12:37:22.775	-94	25	13	1	10	1465.	L3SM	GSM	Uplink	12:37:21.318	SACCH	MEASUREMENT_REPORT
						140.	12:37:23.237					7	1466.	L3SM	GSM	Downlink	12:37:21.751	SACCH	SYSTEM_INFORMATION_TYPE_5
						141.	12:37:23.717	-93	25	13	1	10	1467.	L3SM	GSM	Uplink	12:37:21.798	SACCH	MEASUREMENT_REPORT
						142.	12:37:23.717					6	1468.	L3SM	GSM	Downlink	12:37:22.231	SACCH	SYSTEM_INFORMATION_TYPE_5TER
						143.	12:37:24.197					7	1469.	L3SM	GSM	Uplink	12:37:22.278	SACCH	MEASUREMENT_REPORT
						144.	12:37:24.224	-96	25	13	1	10	1470.	L3SM	GSM	Uplink	12:37:22.757	SACCH	MEASUREMENT_REPORT
						145.	12:37:24.677	-94	25	13	1	10	1471.	L3SM	GSM	Uplink	12:37:23.237	SACCH	MEASUREMENT_REPORT
						146.	12:37:24.677					7	1472.	L3SM	GSM	Downlink	12:37:23.670	SACCH	MEASUREMENT_INFORMATION

Analysis:

- This call drop event occurred on long call at 12:37:39:795 time when UE was latched with 2G network.
- After getting Alerting message at 12:36:42:626 time than Call drop happened.
- During the session UE was latched with ARFCN 25 and RF condition Rx lev -94 dBm is good and Rx qual 6 dB was very poor.
- As per the Analysis the call setup drop event occurred due to poor quality in the network.

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

Call Attempt Failure cause from Airtel	Count
Total Call Attempt Failure	2
Poor Coverage	2

Call Attempt Failure cause from CWS	Count
Total Call Attempt Failure	1
Poor Quality	1

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

Call Drop cause from CWS	Count
Total Call Drop	3
Poor Coverage	2
Poor Quality	1

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

	Time	System	Serving band	Cal	1. best active RSCP	Time	Ch	SC	1. best active Ec/NO		Transf. dir.	Time	Subchannel	Message name	
1.	15:06:31.122	UMTS FDD	2100	Nor	10623.						26623.	Downlink	15:06:14.452	DCCH	MEASUREMENT_CONTROL
2.	15:08:23.452	UMTS FDD	2100	Nor	10624.	-119.3	15:06:02.677	10562 342			26624.	Downlink	15:06:14.452	DCCH	DOWNLINK_DIRECT_TRANSFER
					10625.		15:06:02.677	10562 342	-17.2		26625.	Downlink	15:06:14.452	DCCH	AUTHENTICATION_REQUEST
					10626.	-120.8	15:06:03.058	10562 342			26626.	Uplink	15:06:14.453	DCCH	UPLINK_DIRECT_TRANSFER
					10627.		15:06:03.058	10562 342	-17.1		26627.	Uplink	15:06:14.453	DCCH	AUTHENTICATION_RESPONSE
					10628.	-122.6	15:06:03.680	10562 342			26628.	Downlink	15:06:14.761	DCCH	SECURITY_MODE_COMMAND
					10629.		15:06:03.680	10562 342	-20.4		26629.	Uplink	15:06:14.761	DCCH	SECURITY_MODE_COMPLETE
					10630.	-119.6	15:06:04.170	10562 342			26630.	Uplink	15:06:14.761	DCCH	UPLINK_DIRECT_TRANSFER
					10631.		15:06:04.170	10562 342	-17.4		26631.	Uplink	15:06:14.761	DCCH	SETUP
					10632.	-117.6	15:06:04.590	10562 342			26632.	Downlink	15:06:14.761	DCCH	DOWNLINK_DIRECT_TRANSFER
					10633.		15:06:04.590	10562 342	-15.4		26633.	Downlink	15:06:14.761	DCCH	IDENTITY_REQUEST
					10634.	-121.8	15:06:05.128	10562 88			26634.	Uplink	15:06:14.761	DCCH	UPLINK_DIRECT_TRANSFER
					10635.		15:06:05.128	10562 88	-21.9		26635.	Uplink	15:06:14.761	DCCH	IDENTITY_RESPONSE
					10636.	-119.6	15:06:05.677	10562 342			26636.	Downlink	15:06:14.761	DCCH	DOWNLINK_DIRECT_TRANSFER
					10637.		15:06:05.677	10562 342	-21.4		26637.	Downlink	15:06:14.761	DCCH	CALL_PROCEEDING
					10638.	-120.9	15:06:06.287	10562 342			26638.	Uplink	15:06:15.100	DCCH	MEASUREMENT_REPORT
					10639.		15:06:06.287	10562 342	-21		26639.	Uplink	15:06:15.100	DCCH	MEASUREMENT_REPORT
					10640.	-119.5	15:06:06.918	10562 88			26640.	Uplink	15:06:15.761	DCCH	MEASUREMENT_REPORT
					10641.		15:06:06.918	10562 88	-19.6		26641.	Uplink	15:06:17.462	DCCH	MEASUREMENT_REPORT
					10642.	-114.5	15:06:07.344	10562 88			26642.	Uplink	15:06:18.461	DCCH	MEASUREMENT_REPORT
					10643.		15:06:07.344	10562 88	-14.1		26643.	Uplink	15:06:19.902	DCCH	MEASUREMENT_REPORT
					10644.	-112.1	15:06:07.904	10562 88			26644.	Downlink	15:06:19.902	DCCH	ACTIVE_SET_UPDATE
					10645.		15:06:07.904	10562 88	-12.2		26645.	Uplink	15:06:20.231	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					10646.	-115.4	15:06:08.463	10562 88			26646.	Uplink	15:06:20.231	DCCH	MEASUREMENT_REPORT
					10647.		15:06:08.463	10562 88	-15.6		26647.	Downlink	15:06:20.232	DCCH	MEASUREMENT_CONTROL
					10648.	-113.7	15:06:08.972	10562 88			26648.	Downlink	15:06:20.316	DCCH	RADIO_BEARER_SETUP
					10649.		15:06:08.972	10562 88	-19.3		26649.	Uplink	15:06:20.724	DCCH	RADIO_BEARER_SETUP_COMPLETE
					10650.	-107	15:06:13.572	10588 72			26650.	Downlink	15:06:20.977	DCCH	RADIO_BEARER_RECONFIGURATION
					10651.		15:06:13.572	10588 72	-16.5		26651.	Downlink	15:06:20.977	DCCH	DOWNLINK_DIRECT_TRANSFER
					10652.	-111.2	15:06:14.232	10588 72			26652.	Downlink	15:06:20.977	DCCH	PROGRESS
					10653.		15:06:14.232	10588 72	-19.1		26653.	Uplink	15:06:20.978	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					10654.	-113.7	15:06:14.762	10588 72			26654.	Downlink	15:06:21.319	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					10655.		15:06:14.762	10588 72	-19.9		26655.	Uplink	15:06:21.511	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					10656.	-113.3	15:06:15.101	10588 72			26656.	Downlink	15:06:22.494	DCCH	MEASUREMENT_CONTROL
					10657.		15:06:15.101	10588 72	-19.1		26657.	Downlink	15:06:23.632	DCCH	SECURITY_MODE_COMMAND
					10658.	-111.9	15:06:15.765	10588 72			26658.	Uplink	15:06:23.632	DCCH	SECURITY MODE COMPLETE

- Analysis:**
- This call failure event occurred on short call at 15:06:31:122 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 72 and RF condition RSCP -111.2 dBm and Ec/No -19.1 dB are very poor.
 - As per the analysis call failed happened due to poor coverage of the network.

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

	Time	System	Serving band	Cal	1. best active RSCP	Time	Ch	SC	1. best active Ec/NO		Transf. dir.	Time	Subchannel	Message name		
1.	15:06:31.122	UMTS FDD	2100	No	10907.		15:08:15.783	10588	88	-19.4		27261.	Downlink	15:08:06.613	DCCH	DOWNLINK_DIRECT_TRANSFER
2.	15:08:23.452	UMTS FDD	2100	No	10908.	-117.1	15:08:16.114	10588	72			27262.	Downlink	15:08:06.613	DCCH	CALL_PROCEEDING
					10909.		15:08:16.114	10588	72	-14.8		27263.	Uplink	15:08:06.613	DCCH	MEASUREMENT_REPORT
					10910.	-120.9	15:08:16.866	10588	72			27264.	Downlink	15:08:06.613	DCCH	ACTIVE_SET_UPDATE
					10911.		15:08:16.866	10588	72	-17.2		27265.	Uplink	15:08:06.613	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					10912.	-120.2	15:08:17.366	10588	72			27266.	Uplink	15:08:06.982	DCCH	MEASUREMENT_REPORT
					10913.		15:08:17.366	10588	72	-17.4		27267.	Downlink	15:08:06.982	DCCH	MEASUREMENT_CONTROL
					10914.	-124.3	15:08:17.845	10588	72			27268.	Uplink	15:08:08.036	DCCH	MEASUREMENT_REPORT
					10915.		15:08:17.845	10588	72	-21.4		27269.	Uplink	15:08:09.031	DCCH	MEASUREMENT_REPORT
					10916.	-117	15:08:18.425	10588	72			27270.	Uplink	15:08:09.031	DCCH	MEASUREMENT_REPORT
					10917.		15:08:18.425	10588	72	-14.1		27271.	Uplink	15:08:10.626	DCCH	MEASUREMENT_REPORT
					10918.	-124.3	15:08:18.928	10588	72			27272.	Uplink	15:08:12.005	DCCH	MEASUREMENT_REPORT
					10919.		15:08:18.928	10588	72	-21.5		27273.	Downlink	15:08:12.565	DCCH	RADIO_BEARER_SETUP
					10920.	-123.5	15:08:19.230	10588	88			27274.	Uplink	15:08:12.974	DCCH	RADIO_BEARER_SETUP_COMPLETE
					10921.		15:08:19.230	10588	88	-19.7		27275.	Downlink	15:08:12.974	DCCH	RADIO_BEARER_RECONFIGURATION
					10922.	-122.5	15:08:20.026	10588	72			27276.	Downlink	15:08:12.975	DCCH	DOWNLINK_DIRECT_TRANSFER
					10923.		15:08:20.026	10588	72	-19.6		27277.	Downlink	15:08:12.975	DCCH	PROGRESS
					10924.	-118.4	15:08:20.426	10588	72			27278.	Uplink	15:08:12.975	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					10925.		15:08:20.426	10588	72	-16.2		27279.	Downlink	15:08:13.542	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					10926.	-124.6	15:08:21.035	10588	88			27280.	Uplink	15:08:13.543	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					10927.		15:08:21.035	10588	88	-22.4		27281.	Downlink	15:08:14.554	DCCH	MEASUREMENT_CONTROL
					10928.	-118.2	15:08:21.526	10588	72			27282.	Downlink	15:08:15.557	DCCH	SECURITY_MODE_COMMAND
					10929.		15:08:21.526	10588	72	-16.1		27283.	Uplink	15:08:15.557	DCCH	SECURITY_MODE_COMPLETE
					10930.	-116.4	15:08:22.034	10588	72			27284.	Downlink	15:08:16.027	DCCH	RADIO_BEARER_SETUP
					10931.		15:08:22.034	10588	72	-15.4		27285.	Uplink	15:08:16.383	DCCH	RADIO_BEARER_SETUP_COMPLETE
					10932.	-111.5	15:08:22.597	10588	72			27286.	Uplink	15:08:18.928	DCCH	MEASUREMENT_REPORT
					10933.		15:08:22.597	10588	72	-11.6		27287.	Downlink	15:08:20.425	DCCH	DOWNLINK_DIRECT_TRANSFER
					10934.	-115.2	15:08:23.069	10588	41			27288.	Downlink	15:08:20.425	DCCH	PROGRESS
					10935.		15:08:23.069	10588	41	-14.3		27289.	Uplink	15:08:20.665	DCCH	MEASUREMENT_REPORT
					10936.	-116.5	15:08:23.614	10588	72			27290.	Uplink	15:08:21.033	DCCH	MEASUREMENT_REPORT
					10937.		15:08:23.614	10588	72	-14.4		27291.	Downlink	15:08:21.165	DCCH	ACTIVE_SET_UPDATE
					10938.	-118.2	15:08:24.227	10588	41			27292.	Uplink	15:08:21.324	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					10939.		15:08:24.227	10588	41	-17.2		27293.	Downlink	15:08:21.526	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					10940.	-112.4	15:08:24.614	10588	72			27294.	Uplink	15:08:21.526	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					10941.		15:08:24.614	10588	72	-12.4		27295.	Downlink	15:08:21.973	DCCH	MEASUREMENT_CONTROL
					10942.	-118.6	15:08:25.103	10588	88			27296.	Downlink	15:08:22.033	DCCH	MEASUREMENT_CONTROL

Analysis:

- This call failure event occurred on short call at 15:08:23:069 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 41 and RF condition RSCP -115.2 dBm and Ec/No -14.3 dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

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

	Time	System	Serving band		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RX ▲		System	Transf. dir.	Time	Subchannel	Message name	
1.	14:50:10.363	GSM	900	Call wa	28.	14:49:48.251					1		11740.	GSM	Uplink	14:49:51.546	SACCH	MEASUREMENT_REPORT
					29.	14:49:48.366	-93	1	19	1	0		11741.	GSM	Downlink	14:49:51.661	SACCH	MEASUREMENT_INFORMATION
					30.	14:49:48.722					5		11742.	GSM	Downlink	14:49:51.984	DCCH	CIPHERING_MODE_COMMAND
					31.	14:49:48.958	-96	1	19	1	0		11743.	GSM	Uplink	14:49:51.989	DCCH	CIPHERING_MODE_COMPLETE
					32.	14:49:49.192					5		11744.	GSM	Uplink	14:49:52.017	SACCH	MEASUREMENT_REPORT
					33.	14:49:49.307	-97	1	19	1	0		11745.	GSM	Downlink	14:49:52.132	SACCH	MEASUREMENT_INFORMATION
					34.	14:49:49.663					6		11746.	GSM	Downlink	14:49:52.455	DCCH	LOCATION_UPDATING_ACCEPT
					35.	14:49:50.134	-92	1	19	1	0		11747.	GSM	Uplink	14:49:52.456	DCCH	TMSI_REALLOCATION_COMPLETE
					36.	14:49:50.134					2		11748.	GSM	Uplink	14:49:52.456	DCCH	CM_SERVICE_REQUEST
					37.	14:49:50.604					7		11749.	GSM	Uplink	14:49:52.487	SACCH	MEASUREMENT_REPORT
					38.	14:49:51.028	-96	1	19	1	0		11750.	GSM	Downlink	14:49:52.603	SACCH	MEASUREMENT_INFORMATION
					39.	14:49:51.075					5		11751.	GSM	Downlink	14:49:52.926	DCCH	CM_SERVICE_ACCEPT
					40.	14:49:51.546	-98	1	19	1	0		11752.	GSM	Uplink	14:49:52.926	DCCH	SETUP
					41.	14:49:51.546					3		11753.	GSM	Uplink	14:49:52.958	SACCH	MEASUREMENT_REPORT
					42.	14:49:52.017					6		11754.	GSM	Uplink	14:49:53.429	SACCH	MEASUREMENT_REPORT
					43.	14:49:52.027	-95	1	19	1	0		11755.	GSM	Downlink	14:49:53.867	DCCH	CALL_PROCEEDING
					44.	14:49:52.487					2		11756.	GSM	Uplink	14:49:53.900	SACCH	MEASUREMENT_REPORT
					45.	14:49:52.603	-96	1	19	1	0		11757.	GSM	Downlink	14:49:54.015	SACCH	SYSTEM_INFORMATION_TYPE_5
					46.	14:49:52.958					6		11758.	GSM	Uplink	14:49:54.371	SACCH	MEASUREMENT_REPORT
					47.	14:49:53.093	-97	1	19	1	0		11759.	GSM	Downlink	14:49:54.486	SACCH	SYSTEM_INFORMATION_TYPE_STER
					48.	14:49:53.429					7		11760.	GSM	Uplink	14:49:54.842	SACCH	MEASUREMENT_REPORT
					49.	14:49:53.632	-98	1	19	1	0		11761.	GSM	Downlink	14:49:54.957	SACCH	SYSTEM_INFORMATION_TYPE_6
					50.	14:49:54.103	-98	1	19	1	0		11762.	GSM	Uplink	14:49:55.312	SACCH	MEASUREMENT_REPORT
					51.	14:49:54.371					1		11763.	GSM	Downlink	14:49:55.427	SACCH	MEASUREMENT_INFORMATION
					52.	14:49:54.486	-96	1	19	1	0		11764.	GSM	Uplink	14:49:55.783	SACCH	MEASUREMENT_REPORT
					53.	14:49:54.842					6		11765.	GSM	Uplink	14:49:56.254	SACCH	MEASUREMENT_REPORT
					54.	14:49:55.312	-97	1	19	1	0		11766.	GSM	Downlink	14:49:56.369	SACCH	MEASUREMENT_INFORMATION
					55.	14:49:55.312					5		11767.	GSM	Uplink	14:49:56.724	SACCH	MEASUREMENT_REPORT
					56.	14:49:55.783					3		11768.	GSM	Uplink	14:49:57.195	SACCH	MEASUREMENT_REPORT
					57.	14:49:56.221	-97	1	19	1	0		11769.	GSM	Uplink	14:49:57.666	SACCH	MEASUREMENT_REPORT
					58.	14:49:56.254					7		11770.	GSM	Uplink	14:49:58.137	SACCH	MEASUREMENT_REPORT
					59.	14:49:56.692	-97	1	19	1	0		11771.	GSM	Downlink	14:49:58.252	SACCH	SYSTEM_INFORMATION_TYPE_STER
					60.	14:49:56.724					4		11772.	GSM	Uplink	14:49:58.608	SACCH	MEASUREMENT_REPORT
					61.	14:49:57.195					7		11773.	GSM	Downlink	14:49:58.723	SACCH	SYSTEM_INFORMATION_TYPE_6
					62.	14:49:57.310	-98	1	19	1	0		11774.	GSM	Uplink	14:49:59.078	SACCH	MEASUREMENT_REPORT
					63.	14:49:57.666					7		11775.	GSM	Uplink	14:49:59.549	SACCH	MEASUREMENT_REPORT

Analysis:

- This call failure event occurred on short call at 14:45:10:363 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 session UE was latched with ARFCN 1. RF Conditions found during session also seemed OK. (Rx Lev : -98, Rx Qual= 7)
- As per the Analysis the call setup failure event occurred due to poor quality in the network.

Phase-2 Call Drop Analysis 1 From MS9 Airtel MO

	Time	System	Serving band	Call type	1. best active RSCP	Time	Ch	SC	1. best active Ec/NO	Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	14:11:56.078	UMTS FDD	2100	Voice call	2000.	14:11:48.067	10588	288	-5.8	999.	L3SM	Uplink	14:11:48.720	DCCH	CONNECT_ACKNOWLEDGE
2.	16:18:52.316	UMTS FDD	2100	Voice call	2001.	14:11:48.721	10588	288	-96.6	1000.	RRCSM	Downlink	14:11:48.811	DCCH	MEASUREMENT_CONTROL
					2002.	14:11:48.721	10588	288	-10.1	1001.	RRCSM	Uplink	14:11:48.912	DCCH	MEASUREMENT_REPORT
					2003.	14:11:49.208	10588	288	-96.7	1002.	RRCSM	Downlink	14:11:48.931	DCCH	SECURITY_MODE_COMMAND
					2004.	14:11:49.208	10588	288	-10.3	1003.	RRCSM	Uplink	14:11:48.932	DCCH	SECURITY_MODE_COMPLETE
					2005.	14:11:49.718	10588	288	-87.7	1004.	RRCSM	Uplink	14:11:49.109	DCCH	MEASUREMENT_REPORT
					2006.	14:11:49.718	10588	288	-5.5	1005.	RRCSM	Downlink	14:11:49.278	DCCH	DOWNLINK_DIRECT_TRANSFER
					2007.	14:11:50.142	10588	288	-92.1	1006.	L3SM	Downlink	14:11:49.278	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					2008.	14:11:50.142	10588	288	-7.3	1007.	RRCSM	Uplink	14:11:49.281	DCCH	UPLINK_DIRECT_TRANSFER
					2009.	14:11:50.481	10588	288	-89.6	1008.	L3SM	Uplink	14:11:49.281	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					2010.	14:11:50.481	10588	288	-7.4	1009.	RRCSM	Downlink	14:11:49.558	DCCH	DOWNLINK_DIRECT_TRANSFER
					2011.	14:11:51.035	10588	288	-87.5	1010.	L3SM	Downlink	14:11:49.558	DCCH	GMM_INFO
					2012.	14:11:51.035	10588	288	-5.9	1011.	RRCSM	Downlink	14:11:49.718	DCCH	SIGNALLING_CONNECTION_RELEASE
					2013.	14:11:51.719	10588	288	-90.2	1012.	RRCSM	Uplink	14:11:53.247	DCCH	MEASUREMENT_REPORT
					2014.	14:11:51.719	10588	288	-5	1013.	RRCSM	Downlink	14:11:53.518	DCCH	ACTIVE_SET_UPDATE
					2015.	14:11:52.034	10588	288	-87.5	1014.	RRCSM	Uplink	14:11:53.540	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					2016.	14:11:52.034	10588	288	-3.6	1015.	RRCSM	Downlink	14:11:53.959	DCCH	MEASUREMENT_CONTROL
					2017.	14:11:52.720	10588	288	-95.5	1016.	RRCSM	Uplink	14:11:54.610	DCCH	MEASUREMENT_REPORT
					2018.	14:11:52.720	10588	288	-9.8	1017.	RRCSM	Downlink	14:11:54.837	DCCH	ACTIVE_SET_UPDATE
					2019.	14:11:53.039	10588	288	-87.4	1018.	RRCSM	Uplink	14:11:54.869	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					2020.	14:11:53.039	10588	288	-12.1	1019.	RRCSM	Downlink	14:11:55.117	DCCH	MEASUREMENT_CONTROL
					2021.	14:11:53.719	10588	288	-95.7	1020.	RRCSM	Downlink	14:11:56.077	DCCH	DOWNLINK_DIRECT_TRANSFER
					2022.	14:11:53.719	10588	288	-8.6	1021.	L3SM	Downlink	14:11:56.077	DCCH	DISCONNECT
					2023.	14:11:54.039	10588	288	-81	1022.	RRCSM	Uplink	14:11:56.078	DCCH	UPLINK_DIRECT_TRANSFER
					2024.	14:11:54.039	10588	288	-2.9	1023.	L3SM	Uplink	14:11:56.078	DCCH	RELEASE
					2025.	14:11:54.901	10588	288	-74.6	1024.	RRCSM	Downlink	14:11:56.317	DCCH	DOWNLINK_DIRECT_TRANSFER
					2026.	14:11:54.901	10588	288	-3	1025.	L3SM	Downlink	14:11:56.317	DCCH	RELEASE_COMPLETE
					2027.	14:11:55.209	10588	288	-79.4	1026.	RRCSM	Downlink	14:11:56.477	DCCH	RRC_CONNECTION_RELEASE
					2028.	14:11:55.209	10588	288	-4.3	1027.	RRCSM	Uplink	14:11:56.478	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					2029.	14:11:55.786	10588	288	-74.5	1028.	RRCSM	Downlink	14:11:56.517	DCCH	RRC_CONNECTION_RELEASE
					2030.	14:11:55.786	10588	288	-3.1	1029.	RRCSM	Uplink	14:11:56.518	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					2031.	14:11:56.340	10588	288	-73.0	1030.	RRCSM	Downlink	14:11:56.557	DCCH	RRC_CONNECTION_RELEASE
					2032.	14:11:56.340	10588	288	-2.7	1031.	RRCSM	Downlink	14:11:56.709	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					2033.	14:11:56.723	10588	288	-71	1032.	RRCSM	Downlink	14:11:56.709	BCCH	MASTER_INFORMATION_BLOCK
					2034.	14:11:56.723	10588	288	-3.1	1033.	RRCSM	Downlink	14:11:56.709	BCCH_BCH	MASTER_INFORMATION_BLOCK
					2035.	14:11:57.320	10588	288	-68.2	1034.	RRCSM	Downlink	14:11:56.709	BCCH_BCH	SCHEDULING_BLOCK_1
					2036.	14:11:57.320	10588	288	-2.6	1035.	RRCSM	Downlink	14:11:56.709	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE 1

Analysis:

- This call drop event occurred on long call at 14:11:56:078 time when UE was latched with 3G network.
- After getting Alerting message at 14:11:48:311 time than Call drop happened.
- During the failure, UE was latched with PSC 74.5 and RF condition RSCP -288 dBm good but Ec/No -3.1 dB are very good.
- Need to check MT.

Phase-2 Call Drop Analysis 1 From MS10 Airtel MT

	1. best active RSCP	Time	Ch	SC	1. best active Ec/NO		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1942.		14:11:46.053	10562	40	-14.3		1000.	RRCSM	UMTS FDD	Downlink	14:11:49.781	DCCH	DOWNLINK_DIRECT_TRANSFER
1943.	-103.6	14:11:46.533	10562	40			1001.	L3SM	UMTS FDD	Downlink	14:11:49.781	DCCH	ROUTING_AREA_UPDATE_ACCEPT
1944.		14:11:46.533	10562	40	-14.9		1002.	RRCSM	UMTS FDD	Uplink	14:11:49.784	DCCH	UPLINK_DIRECT_TRANSFER
1945.	-94.7	14:11:49.026	10562	40			1003.	L3SM	UMTS FDD	Uplink	14:11:49.784	DCCH	ROUTING_AREA_UPDATE_COMPLETE
1946.		14:11:49.026	10562	40	-10.5		1004.	RRCSM	UMTS FDD	Downlink	14:11:50.181	DCCH	DOWNLINK_DIRECT_TRANSFER
1947.	-100.9	14:11:49.545	10562	40			1005.	L3SM	UMTS FDD	Downlink	14:11:50.181	DCCH	GMM_INFO
1948.		14:11:49.545	10562	40	-15.8		1006.	RRCSM	UMTS FDD	Downlink	14:11:50.382	DCCH	SIGNALLING_CONNECTION_RELEASE
1949.	-103.5	14:11:50.045	10562	40			1007.	RRCSM	UMTS FDD	Uplink	14:11:50.657	DCCH	MEASUREMENT_REPORT
1950.		14:11:50.045	10562	40	-13		1008.	RRCSM	UMTS FDD	Uplink	14:11:51.497	DCCH	MEASUREMENT_REPORT
1951.	-97	14:11:50.511	10562	40			1009.	RRCSM	UMTS FDD	Uplink	14:11:51.649	DCCH	MEASUREMENT_REPORT
1952.		14:11:50.511	10562	40	-11.9		1010.	RRCSM	UMTS FDD	Uplink	14:11:52.657	DCCH	MEASUREMENT_REPORT
1953.	-94.8	14:11:51.071	10562	40			1011.	RRCSM	UMTS FDD	Uplink	14:11:53.656	DCCH	MEASUREMENT_REPORT
1954.		14:11:51.071	10562	40	-10.5		1012.	RRCSM	UMTS FDD	Uplink	14:11:53.796	DCCH	MEASUREMENT_REPORT
1955.	-103.7	14:11:51.591	10562	40			1013.	RRCSM	UMTS FDD	Uplink	14:11:54.656	DCCH	MEASUREMENT_REPORT
1956.		14:11:51.591	10562	40	-24.5		1014.	RRCSM	UMTS FDD	Uplink	14:11:55.626	DCCH	MEASUREMENT_REPORT
1957.	-95.4	14:11:52.111	10562	40			1015.	RRCSM	UMTS FDD	Uplink	14:11:55.647	DCCH	MEASUREMENT_REPORT
1958.		14:11:52.111	10562	40	-12.9		1016.	RRCSM	UMTS FDD	Uplink	14:11:55.796	DCCH	MEASUREMENT_REPORT
1959.	-96.6	14:11:52.611	10562	40			1017.	RRCSM	UMTS FDD	Uplink	14:11:55.857	DCCH	MEASUREMENT_REPORT
1960.		14:11:52.611	10562	40	-14.4		1018.	RRCSM	UMTS FDD	Downlink	14:11:56.021	DCCH	RRC_CONNECTION_RELEASE
1961.	-93.4	14:11:53.271	10562	40			1019.	RRCSM	UMTS FDD	Uplink	14:11:56.022	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
1962.		14:11:53.271	10562	40	-15.2		1020.	RRCSM	UMTS FDD	Downlink	14:11:56.061	DCCH	RRC_CONNECTION_RELEASE
1963.	-98.1	14:11:53.796	10562	40			1021.	RRCSM	UMTS FDD	Uplink	14:11:56.062	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
1964.		14:11:53.796	10562	40	-17.1		1022.	RRCSM	UMTS FDD	Downlink	14:11:56.101	DCCH	RRC_CONNECTION_RELEASE
1965.	-90	14:11:54.071	10562	40			1023.	RRCSM	UMTS FDD	Downlink	14:11:56.571	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
1966.		14:11:54.071	10562	40	-13.1		1024.	RRCSM	UMTS FDD	Downlink	14:11:56.571	BCCH	MASTER_INFORMATION_BLOCK
1967.	-85.6	14:11:54.851	10562	40			1025.	RRCSM	UMTS FDD	Downlink	14:11:56.571	BCCH_BCH	MASTER_INFORMATION_BLOCK
1968.		14:11:54.851	10562	40	-7.4		1026.	RRCSM	UMTS FDD	Downlink	14:11:56.571	BCCH_BCH	SCHEDULING_BLOCK_1
1969.	-92.7	14:11:55.211	10562	40			1027.	RRCSM	UMTS FDD	Downlink	14:11:56.571	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
1970.		14:11:55.211	10562	40	-14		1028.	RRCSM	UMTS FDD	Downlink	14:11:56.571	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
1971.	-95.5	14:11:55.851	10562	40			1029.	RRCSM	UMTS FDD	Downlink	14:11:56.571	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_5
1972.		14:11:55.851	10562	40	-24		1030.	RRCSM	UMTS FDD	Downlink	14:11:56.571	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_11
1973.	-103.2	14:11:56.321	10562	40			1031.	RRCSM	UMTS FDD	Downlink	14:11:56.571	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
1974.		14:11:56.321	10562	40	-25.6		1032.	RRCSM	UMTS FDD	Downlink	14:11:56.571	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_16
1975.	-76.5	14:11:56.969	10562	288			1033.	RRCSM	UMTS FDD	Downlink	14:11:56.573	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
1976.		14:11:56.969	10562	288	-3.3		1034.	RRCSM	UMTS FDD	Downlink	14:11:56.573	BCCH	MASTER_INFORMATION_BLOCK
1977.	-75.4	14:11:57.320	10562	288			1035.	RRCSM	UMTS FDD	Downlink	14:11:56.573	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
1978.		14:11:57.320	10562	288	-2.7		1036.	RRCSM	UMTS FDD	Downlink	14:11:56.573	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3

- Analysis:**
- On the MT end, during the call drop, the UE was latched to PSC 40 with an RF condition of RSCP at -95.5 dBm and EC/NO at -24, both of which indicate poor signal quality.
 - Call drop occurred on the MT end due to poor network coverage. The terminating device experienced low signal strength, leading to the call drop.

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 active Ec/NO	Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	14:11:56.078	UMTS FDD	2100	Voice call	16254. -92.5	16:18:46.956	10588	80		23085.	UMTS FDD	Uplink	16:18:43.956	DCCH	SECURITY_MODE_COMPLETE
2.	16:18:52.316	UMTS FDD	2100	Voice call	16255.	16:18:46.956	10588	80	-7.4	23086.	UMTS FDD	Uplink	16:18:44.281	DCCH	MEASUREMENT_REPORT
					16256.	16:18:47.486	10588	80		23087.	UMTS FDD	Downlink	16:18:44.476	DCCH	RADIO_BEARER_SETUP
					16257.	16:18:47.486	10588	80	-6.8	23088.	UMTS FDD	Uplink	16:18:44.879	DCCH	RADIO_BEARER_SETUP_COMPLETE
					16258.	16:18:48.030	10588	80		23089.	UMTS FDD	Downlink	16:18:45.116	DCCH	DOWNLINK_DIRECT_TRANSFER
					16259.	16:18:48.030	10588	80	-11.1	23090.	L3SM	UMTS FDD	Downlink	DCCH	MODIFY_PDP_CONTEXT_REQUEST
					16260.	16:18:48.386	10588	80		23091.	UMTS FDD	Uplink	16:18:45.118	DCCH	UPLINK_DIRECT_TRANSFER
					16261.	16:18:48.386	10588	80	-10.6	23092.	L3SM	UMTS FDD	Uplink	DCCH	MODIFY_PDP_CONTEXT_ACCEPT
					16262.	16:18:49.110	10588	80		23093.	UMTS FDD	Uplink	16:18:45.280	DCCH	MEASUREMENT_REPORT
					16263.	16:18:49.110	10588	80	-15.7	23094.	UMTS FDD	Uplink	16:18:46.279	DCCH	MEASUREMENT_REPORT
					16264.	16:18:49.486	10588	80		23095.	UMTS FDD	Downlink	16:18:46.476	DCCH	RADIO_BEARER_RECONFIGURATION
					16265.	16:18:49.486	10588	80	-24.5	23096.	UMTS FDD	Uplink	16:18:46.869	DCCH	RADIO_BEARER_RECONFIGURATION_C
					16266.	16:18:50.031	10588	80		23097.	UMTS FDD	Uplink	16:18:47.449	DCCH	MEASUREMENT_REPORT
					16267.	16:18:50.031	10588	80	-17.5	23098.	UMTS FDD	Uplink	16:18:48.450	DCCH	MEASUREMENT_REPORT
					16268.	16:18:50.686	10588	80		23099.	UMTS FDD	Uplink	16:18:49.453	DCCH	MEASUREMENT_REPORT
					16269.	16:18:50.686	10588	80	-16.5	23100.	UMTS FDD	Uplink	16:18:49.970	DCCH	MEASUREMENT_REPORT
					16270.	16:18:51.126	10588	80		23101.	UMTS FDD	Downlink	16:18:50.356	DCCH	PHYSICAL_CHANNEL_RECONFIGURATIO
					16271.	16:18:51.126	10588	80	-21.5	23102.	UMTS FDD	Uplink	16:18:50.398	DCCH	PHYSICAL_CHANNEL_RECONFIGURATIO
					16272.	16:18:51.526	10588	80		23103.	UMTS FDD	Uplink	16:18:50.470	DCCH	MEASUREMENT_REPORT
					16273.	16:18:51.526	10588	80	-15.2	23104.	UMTS FDD	Downlink	16:18:51.036	DCCH	MEASUREMENT_CONTROL
					16274.	16:18:52.186	10588	80		23105.	UMTS FDD	Uplink	16:18:51.161	DCCH	MEASUREMENT_REPORT
					16275.	16:18:52.186	10588	80	-23.3	23106.	UMTS FDD	Uplink	16:18:51.217	DCCH	MEASUREMENT_REPORT
					16276.	16:18:52.570	10588	80		23107.	UMTS FDD	Uplink	16:18:51.451	DCCH	MEASUREMENT_REPORT
					16277.	16:18:52.570	10588	80	-14.3	23108.	UMTS FDD	Downlink	16:18:52.316	DCCH	RRC_CONNECTION_RELEASE
					16278.	16:18:52.984	10588	80		23109.	UMTS FDD	Uplink	16:18:52.316	DCCH	RRC_CONNECTION_RELEASE_COMPLE
					16279.	16:18:52.984	10588	80	-12.7	23110.	UMTS FDD	Downlink	16:18:52.356	DCCH	RRC_CONNECTION_RELEASE
					16280.	16:18:53.794	10588	80		23111.	UMTS FDD	Uplink	16:18:52.356	DCCH	RRC_CONNECTION_RELEASE_COMPLE
					16281.	16:18:53.794	10588	80	-18.7	23112.	UMTS FDD	Downlink	16:18:52.396	DCCH	RRC_CONNECTION_RELEASE
					16282.	16:18:54.031	10588	80		23113.	UMTS FDD	Downlink	16:18:52.549	BCCH_BCH	SYSTEM_INFORMATION_BCH
					16283.	16:18:54.031	10588	80	-11.4	23114.	UMTS FDD	Downlink	16:18:52.549	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
					16284.	16:18:55.031	10588	80		23115.	UMTS FDD	Downlink	16:18:52.569	BCCH_BCH	SYSTEM_INFORMATION_BCH
					16285.	16:18:55.031	10588	80	-10.9	23116.	UMTS FDD	Downlink	16:18:52.569	BCCH	MASTER_INFORMATION_BLOCK
					16286.	16:18:55.271	10588	80		23117.	UMTS FDD	Downlink	16:18:52.570	BCCH_BCH	MASTER_INFORMATION_BLOCK
					16287.	16:18:55.271	10588	80	-10.9	23118.	UMTS FDD	Downlink	16:18:52.570	BCCH_BCH	SCHEDULING_BLOCK_1
					16288.	16:18:56.227	10588	80		23119.	UMTS FDD	Downlink	16:18:52.570	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
					16289.	16:18:56.227	10588	80	-4.6	23120.	UMTS FDD	Downlink	16:18:52.570	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_3

Analysis:

- This call drop event occurred on long call at 16:18:52:316 time when UE was latched with 3G network.
- After getting Alerting message at 16:18:26:316 time than Call drop happened.
- During the failure, UE was latched with PSC 80 and RF condition RSCP -104.4 dBm good but Ec/No -23.3 dB are very poor.
- According to the analysis, the call drop event occurred due to poor network quality.

Phase-2 Call Drop Analysis 1 From MS11 CWS MO

	Time	System	Serving band	Call type		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub
1.	14:55:59.653	GSM	900	Voice call	2098.	14:55:03.266	-92	24	13	1	10	
2.	14:57:48.102	UMTS FDD	2100	Voice call	2099.	14:55:03.266						4
3.	15:01:11.926	UMTS FDD	2100	Voice call	2100.	14:55:04.030	-92	24	13	1	10	
					2101.	14:55:04.226						6
					2102.	14:55:04.227	-94	24	13	1	10	
					2103.	14:55:04.706						5
					2104.	14:55:04.707	-95	24	13	1	10	
					2105.	14:55:05.186						6
					2106.	14:55:05.394	-95	24	13	1	10	
					2107.	14:55:05.666						6
					2108.	14:55:06.028	-96	24	13	1	10	
					2109.	14:55:06.147						4
					2110.	14:55:06.626						0
					2111.	14:55:06.654	-89	24	13	1	10	
					2112.	14:55:07.586						3
					2113.	14:55:07.587	-96	24	13	1	10	
					2114.	14:55:08.066	-95	24	13	1	10	
					2115.	14:55:08.066						4
					2116.	14:55:08.546						7
					2117.	14:55:08.547	-96	24	13	1	10	
					2118.	14:55:09.031	-95	24	13	1	10	
					2119.	14:55:09.507	-97	24	13	1	10	
					2120.	14:55:10.189	-97	24	13	1	10	
					2121.	14:55:10.471	-97	24	13	1	10	
					2122.	14:55:11.191	-96	24	13	1	10	
					2123.	14:55:11.906	-97	24	13	1	10	
					2124.	14:55:12.866	-97	24	13	1	10	
					2125.	14:55:13.346	-96	24	13	1	10	
					2126.	14:55:13.965	-97	24	13	1	10	
					2127.	14:55:14.306	-97	24	13	1	10	
					2128.	14:55:15.012	-96	24	13	1	10	
					2129.	14:55:15.271	-97	24	13	1	10	
					2130.	14:55:16.027	-97	24	13	1	10	
					2131.	14:55:16.494	-97	24	13	1	10	
					2132.	14:55:17.029	-97	24	13	1	10	
					2133.	14:55:17.532	-97	24	13	1	10	

	System	Transf. dir.	Time	Subchannel	Message name
8092.	GSM	Downlink	14:55:03.220	SACCH	MEASUREMENT_INFORMATION
8093.	GSM	Uplink	14:55:03.266	SACCH	MEASUREMENT_REPORT
8094.	GSM	Downlink	14:55:03.700	SACCH	MEASUREMENT_INFORMATION
8095.	GSM	Uplink	14:55:03.746	SACCH	MEASUREMENT_REPORT
8096.	GSM	Downlink	14:55:04.180	SACCH	MEASUREMENT_INFORMATION
8097.	GSM	Uplink	14:55:04.226	SACCH	MEASUREMENT_REPORT
8098.	GSM	Downlink	14:55:04.660	SACCH	MEASUREMENT_INFORMATION
8099.	GSM	Uplink	14:55:04.706	SACCH	MEASUREMENT_REPORT
8100.	GSM	Downlink	14:55:05.140	SACCH	MEASUREMENT_INFORMATION
8101.	GSM	Uplink	14:55:05.186	SACCH	MEASUREMENT_REPORT
8102.	GSM	Downlink	14:55:05.620	SACCH	SYSTEM_INFORMATION_TYPE_5
8103.	GSM	Uplink	14:55:05.666	SACCH	MEASUREMENT_REPORT
8104.	GSM	Downlink	14:55:06.100	SACCH	SYSTEM_INFORMATION_TYPE_STER
8105.	GSM	Uplink	14:55:06.147	SACCH	MEASUREMENT_REPORT
8106.	GSM	Downlink	14:55:06.580	SACCH	SYSTEM_INFORMATION_TYPE_6
8107.	GSM	Uplink	14:55:06.626	SACCH	MEASUREMENT_REPORT
8108.	GSM	Downlink	14:55:07.060	SACCH	MEASUREMENT_INFORMATION
8109.	GSM	Uplink	14:55:07.106	SACCH	MEASUREMENT_REPORT
8110.	GSM	Downlink	14:55:07.540	SACCH	MEASUREMENT_INFORMATION
8111.	GSM	Uplink	14:55:07.586	SACCH	MEASUREMENT_REPORT
8112.	GSM	Downlink	14:55:08.020	SACCH	MEASUREMENT_INFORMATION
8113.	GSM	Uplink	14:55:08.066	SACCH	MEASUREMENT_REPORT
8114.	GSM	Uplink	14:55:08.546	SACCH	MEASUREMENT_REPORT
8115.	GSM	Downlink	14:55:08.980	SACCH	MEASUREMENT_INFORMATION
8116.	GSM	Uplink	14:55:09.027	SACCH	MEASUREMENT_REPORT
8117.	GSM	Downlink	14:55:09.460	SACCH	SYSTEM_INFORMATION_TYPE_5
8118.	GSM	Uplink	14:55:09.506	SACCH	MEASUREMENT_REPORT
8119.	GSM	Downlink	14:55:09.940	SACCH	SYSTEM_INFORMATION_TYPE_STER
8120.	GSM	Uplink	14:55:09.986	SACCH	MEASUREMENT_REPORT
8121.	GSM	Downlink	14:55:10.420	SACCH	SYSTEM_INFORMATION_TYPE_6
8122.	GSM	Uplink	14:55:10.466	SACCH	MEASUREMENT_REPORT
8123.	GSM	Uplink	14:55:10.946	SACCH	MEASUREMENT_REPORT
8124.	GSM	Uplink	14:55:11.426	SACCH	MEASUREMENT_REPORT
8125.	GSM	Uplink	14:55:11.906	SACCH	MEASUREMENT_REPORT
8126.	GSM	Uplink	14:55:12.386	SACCH	MEASUREMENT_REPORT
8127.	GSM	Downlink	14:55:12.820	SACCH	MEASUREMENT_INFORMATION

- Analysis:**
- This call drop event occurred on long call at 14:55:59:653 time when UE was latched with 2G network.
 - After getting Alerting message at 14:54:02:455 time than Call drop happened.
 - During the call failure UE, was latched with ARFCN 24 and RF condition Rxlev -96 dBm is good and Rxqual 7 which is good.
 - According to the analysis, the call drop event occurred due to poor network quality.

Phase-2 Call Drop Analysis 2 From MS11 CWS MO

	Time	System	Serving band	Call type	1. best active RSCP	Time	Ch	SC	1. best active Ec/N	Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	14:55:59.653	GSM	900	Voice call	6991.	14:57:46.558	10690	145	-4.1	8457.	RRCSM	Downlink	14:57:02.296	DCCH	RADIO_BEARER_SETUP
2.	14:57:48.102	UMTS FDD	2100	Voice call	6992.	14:57:47.028	10690	145	-95.2	8458.	RRCSM	Uplink	14:57:02.559	DCCH	RADIO_BEARER_SETUP_COMPLE
3.	15:01:11.926	UMTS FDD	2100	Voice call	6993.	14:57:47.028	10690	145	-8.3	8459.	RRCSM	Downlink	14:57:02.806	DCCH	MEASUREMENT_CONTROL
					6994.	14:57:47.556	10690	145	-94.6	8460.	RRCSM	Downlink	14:57:02.846	DCCH	MEASUREMENT_CONTROL
					6995.	14:57:47.556	10690	145	-7.1	8461.	RRCSM	Downlink	14:57:02.886	DCCH	MEASUREMENT_CONTROL
					6996.	14:57:48.029	10690	145	-101.9	8462.	RRCSM	Downlink	14:57:02.926	DCCH	MEASUREMENT_CONTROL
					6997.	14:57:48.029	10690	145	-8.2	8463.	RRCSM	Downlink	14:57:02.966	DCCH	DOWNLINK_DIRECT_TRANSFER
					6998.	14:57:48.707	10690	145	-95.9	8464.	L3SM	Downlink	14:57:02.966	DCCH	ALERTING
					6999.	14:57:48.707	10690	145	-5.4	8465.	RRCSM	Downlink	14:57:03.086	DCCH	DOWNLINK_DIRECT_TRANSFER
					7000.	15:00:42.548	10690	158	-114.4	8466.	L3SM	Downlink	14:57:03.086	DCCH	AUTHENTICATION_AND_CIPHER
					7001.	15:00:42.548	10690	158	-20.3	8467.	RRCSM	Uplink	14:57:03.123	DCCH	UPLINK_DIRECT_TRANSFER
					7002.	15:00:42.928	10690	158	-106.8	8468.	L3SM	Uplink	14:57:03.123	DCCH	AUTHENTICATION_AND_CIPHER
					7003.	15:00:42.928	10690	158	-10	8469.	RRCSM	Downlink	14:57:03.606	DCCH	SECURITY_MODE_COMMAND
					7004.	15:00:43.349	10690	158	-108.8	8470.	RRCSM	Uplink	14:57:03.606	DCCH	SECURITY_MODE_COMPLETE
					7005.	15:00:43.349	10690	158	-11.9	8471.	RRCSM	Uplink	14:57:04.109	DCCH	MEASUREMENT_REPORT
					7006.	15:00:43.928	10690	158	-108.3	8472.	RRCSM	Uplink	14:57:04.149	DCCH	MEASUREMENT_REPORT
					7007.	15:00:43.928	10690	158	-10.6	8473.	RRCSM	Downlink	14:57:04.206	DCCH	DOWNLINK_DIRECT_TRANSFER
					7008.	15:00:44.430	10690	158	-105.3	8474.	L3SM	Downlink	14:57:04.206	DCCH	ROUTING_AREA_UPDATE_ACCE
					7009.	15:00:44.430	10690	158	-8.4	8475.	RRCSM	Uplink	14:57:04.208	DCCH	UPLINK_DIRECT_TRANSFER
					7010.	15:00:44.956	10690	158	-113.9	8476.	L3SM	Uplink	14:57:04.208	DCCH	ROUTING_AREA_UPDATE_COM
					7011.	15:00:44.956	10690	158	-17.5	8477.	RRCSM	Downlink	14:57:14.446	DCCH	SIGNALLING_CONNECTION_REL
					7012.	15:00:45.450	10690	158	-107.5	8478.	RRCSM	Uplink	14:57:14.727	DCCH	MEASUREMENT_REPORT
					7013.	15:00:45.450	10690	158	-11	8479.	RRCSM	Uplink	14:57:26.727	DCCH	MEASUREMENT_REPORT
					7014.	15:00:46.029	10690	158	-105.8	8480.	RRCSM	Uplink	14:57:38.727	DCCH	MEASUREMENT_REPORT
					7015.	15:00:46.029	10690	158	-9.2	8481.	RRCSM	Downlink	14:57:47.805	DCCH	DOWNLINK_DIRECT_TRANSFER
					7016.	15:00:46.430	10690	158	-105.1	8482.	L3SM	Downlink	14:57:47.805	DCCH	DISCONNECT
					7017.	15:00:46.430	10690	158	-8.6	8483.	RRCSM	Uplink	14:57:48.102	DCCH	UPLINK_DIRECT_TRANSFER
					7018.	15:00:47.124	10690	158	-104.9	8484.	L3SM	Uplink	14:57:48.102	DCCH	RELEASE
					7019.	15:00:47.124	10690	158	-8.8	8485.	RRCSM	Downlink	14:57:48.285	DCCH	DOWNLINK_DIRECT_TRANSFER
					7020.	15:00:47.545	10690	158	-105	8486.	L3SM	Downlink	14:57:48.285	DCCH	RELEASE_COMPLETE
					7021.	15:00:47.545	10690	158	-8.2	8487.	RRCSM	Downlink	14:57:48.485	DCCH	RRC_CONNECTION_RELEASE
					7022.	15:00:48.030	10690	158	-104	8488.	RRCSM	Uplink	14:57:48.486	DCCH	RRC_CONNECTION_RELEASE_CO
					7023.	15:00:48.030	10690	158	-7.5	8489.	RRCSM	Uplink	14:57:48.526	DCCH	RRC_CONNECTION_RELEASE_CO
					7024.	15:00:48.430	10690	158	-103.7	8490.	RRCSM	Downlink	14:57:48.839	BCCH-BCH	MasterInformationBlock
					7025.	15:00:48.430	10690	158	-9.1	8491.	RRCSM	Downlink	14:57:48.853	BCCH-SCH	SystemInformationBlockType1
					7026.	15:00:49.030	10690	158	-106.7	8492.	RRCSM	Downlink	14:57:48.853	BCCH-SCH	SystemInformation - SIB2,SIB3

- Analysis:**
- This call drop event occurred on long call at 14:57:48:102 time when UE was latched with 3G network.
 - After getting Alerting message at 14:57:02:966 time than Call drop happened.
 - During the failure, UE was latched with PSC 145 and RF condition RSCP -101.9 dBm good but Ec/No -8.2 dB are very poor.
 - According to the analysis, the call drop event occurred due to poor network Coverage .

Phase-2 Call Drop Analysis 3 From MS11 CWS MO

	Time	System	Serving band	Call type		1. best active RSCP	Time	Ch	SC	1. best active Ec/N		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	14:55:59.653	GSM	900	Voice call	7089.		15:01:05.383	10690	158	-11.3		8844.	RRCSM	UMTS FDD	Uplink	15:00:57.341	DCCH	MEASUREMENT_REPORT
2.	14:57:48.102	UMTS FDD	2100	Voice call	7090.	-109.5	15:01:05.944	10690	158			8845.	RRCSM	UMTS FDD	Uplink	15:00:58.221	DCCH	MEASUREMENT_REPORT
3.	15:01:11.926	UMTS FDD	2100	Voice call	7091.		15:01:05.944	10690	158	-10.1		8846.	RRCSM	UMTS FDD	Uplink	15:00:58.281	DCCH	MEASUREMENT_REPORT
					7092.	-107.5	15:01:06.410	10690	158			8847.	RRCSM	UMTS FDD	Uplink	15:00:58.342	DCCH	MEASUREMENT_REPORT
					7093.		15:01:06.410	10690	158	-10.3		8848.	RRCSM	UMTS FDD	Uplink	15:00:58.503	DCCH	MEASUREMENT_REPORT
					7094.	-111.1	15:01:07.028	10690	158			8849.	RRCSM	UMTS FDD	Uplink	15:00:59.341	DCCH	MEASUREMENT_REPORT
					7095.		15:01:07.028	10690	158	-12.6		8850.	RRCSM	UMTS FDD	Uplink	15:00:59.935	DCCH	MEASUREMENT_REPORT
					7096.	-109.1	15:01:07.431	10690	158			8851.	RRCSM	UMTS FDD	Uplink	15:01:00.342	DCCH	MEASUREMENT_REPORT
					7097.		15:01:07.431	10690	158	-11.1		8852.	RRCSM	UMTS FDD	Uplink	15:01:01.342	DCCH	MEASUREMENT_REPORT
					7098.	-107.6	15:01:08.030	10690	158			8853.	RRCSM	UMTS FDD	Uplink	15:01:02.342	DCCH	MEASUREMENT_REPORT
					7099.		15:01:08.030	10690	158	-10		8854.	RRCSM	UMTS FDD	Uplink	15:01:03.342	DCCH	MEASUREMENT_REPORT
					7100.	-109.2	15:01:08.431	10690	158			8855.	RRCSM	UMTS FDD	Uplink	15:01:04.281	DCCH	MEASUREMENT_REPORT
					7101.		15:01:08.431	10690	158	-10.7		8856.	RRCSM	UMTS FDD	Uplink	15:01:04.342	DCCH	MEASUREMENT_REPORT
					7102.	-108.6	15:01:09.030	10690	158			8857.	RRCSM	UMTS FDD	Uplink	15:01:05.342	DCCH	MEASUREMENT_REPORT
					7103.		15:01:09.030	10690	158	-10.1		8858.	RRCSM	UMTS FDD	Uplink	15:01:06.342	DCCH	MEASUREMENT_REPORT
					7104.	-111	15:01:09.564	10690	158			8859.	RRCSM	UMTS FDD	Uplink	15:01:07.342	DCCH	MEASUREMENT_REPORT
					7105.		15:01:09.564	10690	158	-12		8860.	RRCSM	UMTS FDD	Uplink	15:01:08.342	DCCH	MEASUREMENT_REPORT
					7106.	-109.2	15:01:10.029	10690	158			8861.	RRCSM	UMTS FDD	Uplink	15:01:09.342	DCCH	MEASUREMENT_REPORT
					7107.		15:01:10.029	10690	158	-11.1		8862.	RRCSM	UMTS FDD	Uplink	15:01:10.221	DCCH	MEASUREMENT_REPORT
					7108.	-109.7	15:01:10.583	10690	158			8863.	RRCSM	UMTS FDD	Uplink	15:01:10.291	DCCH	MEASUREMENT_REPORT
					7109.		15:01:10.583	10690	158	-11.3		8864.	RRCSM	UMTS FDD	Uplink	15:01:10.342	DCCH	MEASUREMENT_REPORT
					7110.	-107.7	15:01:11.163	10690	158			8865.	RRCSM	UMTS FDD	Uplink	15:01:11.342	DCCH	MEASUREMENT_REPORT
					7111.		15:01:11.163	10690	158	-9.7		8866.	RRCSM	UMTS FDD	Downlink	15:01:12.057	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					7112.	-119	15:01:11.911	10690	158			8867.	RRCSM	UMTS FDD	Downlink	15:01:12.077	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					7113.		15:01:11.911	10690	158	-21.4		8868.	RRCSM	UMTS FDD	Downlink	15:01:12.097	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					7114.	-109.1	15:01:12.226	10690	158			8869.	RRCSM	UMTS FDD	Downlink	15:01:12.097	BCCH	MASTER_INFORMATION_BLOCK
					7115.		15:01:12.226	10690	158	-11.1		8870.	RRCSM	UMTS FDD	Downlink	15:01:12.097	BCCH	SYSTEM_INFORMATION_BLOCK
					7116.	-113.6	15:01:12.731	10690	158			8871.	RRCSM	UMTS FDD	Downlink	15:01:12.197	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					7117.		15:01:12.731	10690	158	-14.2		8872.	RRCSM	UMTS FDD	Downlink	15:01:12.197	BCCH	SYSTEM_INFORMATION_BLOCK
					7118.	-106.8	15:01:13.204	10690	158			8873.	RRCSM	UMTS FDD	Downlink	15:01:12.197	BCCH	SYSTEM_INFORMATION_BLOCK
					7119.		15:01:13.204	10690	158	-11.6		8874.	RRCSM	UMTS FDD	Downlink	15:01:12.537	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					7120.	-108.4	15:01:13.660	10690	158			8875.	RRCSM	UMTS FDD	Downlink	15:01:12.557	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					7121.		15:01:13.660	10690	158	-14		8876.	RRCSM	UMTS FDD	Downlink	15:01:12.577	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					7122.	-110.7	15:01:14.440	10690	158			8877.	RRCSM	UMTS FDD	Downlink	15:01:12.577	BCCH	MASTER_INFORMATION_BLOCK
					7123.		15:01:14.440	10690	158	-13.1		8878.	RRCSM	UMTS FDD	Downlink	15:01:12.577	BCCH	SYSTEM_INFORMATION_BLOCK
					7124.	-107.5	15:01:14.962	10690	158			8879.	RRCSM	UMTS FDD	Downlink	15:01:12.597	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					7125.		15:01:14.962	10690	158	-10.7		8880.	RRCSM	UMTS FDD	Downlink	15:01:12.597	BCCH	SYSTEM_INFORMATION_BLOCK

Analysis:

- This call drop event occurred on long call at 15:01:11:926 time when UE was latched with 3G network.
- During the failure, UE was latched with PSC 158 and RF condition RSCP -119 dBm good but Ec/No -21.4 dB are very poor.
- According to the analysis, the call drop event occurred due to poor network Coverage .

THANKS