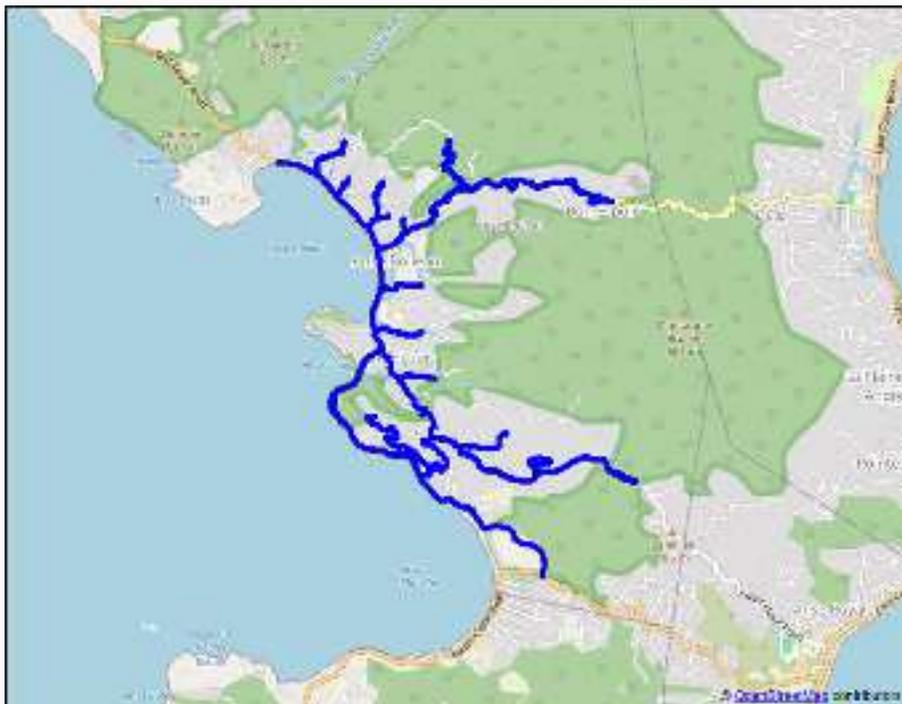


Seychelles Test Drive

Anse_Boileau Phase-2 Report



Phase-1 Dates- 10th Oct 2024



Route Name: Mahe

District Name: Anse Boileau

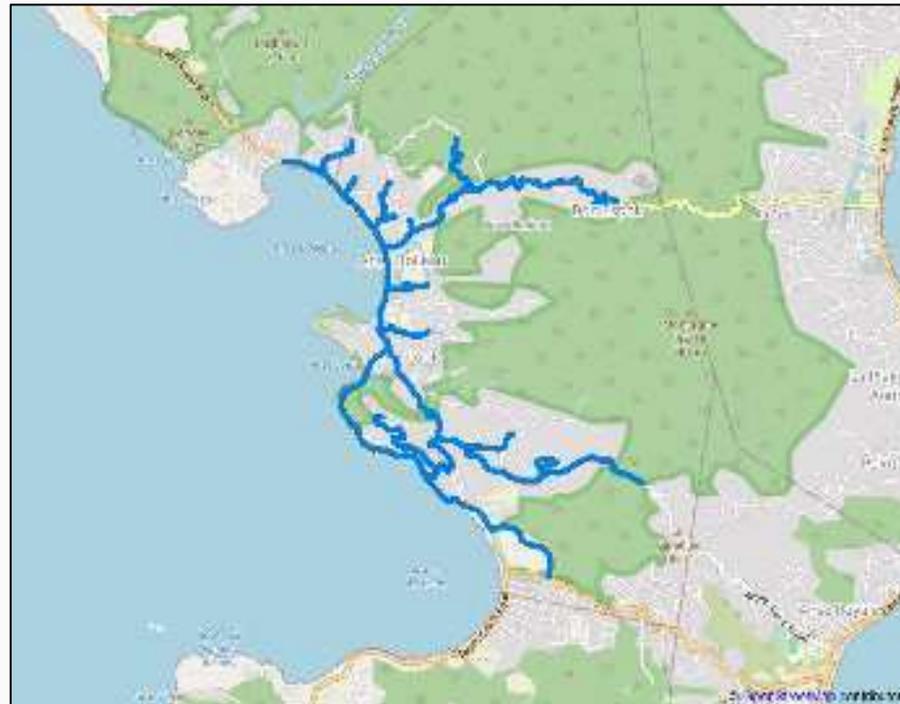
Region: Southern

Island: Mahé

Drive Test Distance: 30.90 kms

Drive Test Duration: 01 hours,49 minutes,36 seconds

Phase-2 Dates- 31st Oct 2024



Route Name: Mahe

District Name: Anse_Boileau

Region: Southern West

Island: Mahé

Drive Test Distance: 29.11 kms

Drive Test Duration: 01 hours,49 minutes,15 seconds

Phase-1**Short Call Findings:**

- The Call Setup Success Rate for Airtel is (99.24%), while for Operator CWS it is (98.52%).
- The Call Setup Time for Airtel is (5.96s) , while for Operator CWS it is (8.16s).

Long Call Findings :

- The Call Retainability for Airtel is (100.00%), while for CWS it is (94.29%).
- The MOS quality observed for Airtel is (3.11), and for CWS, it is (3.35).

Phase-2**Short Call Findings:**

- The Call Setup Success Rate for Airtel is (97.60%), while for Operator CWS it is (93.80%).
- The Call Setup Time for Airtel is (6.47s), while for Operator CWS it is (7.60s)

Long Call Findings :

- The Call Retainability for Airtel is (96.77%), while for CWS it is (90.91%).
- The MOS quality observed for Airtel is (2.87), and for CWS, it is (3.39).

Phase-1

4G Preferred Data Findings:

- Airtel SFTP DL is (13.04 Mbps), while SFTP UL is (5.83 Mbps), CWS SFTP DL is (7.57 Mbps), while SFTP UL is (3.77 Mbps)
- Airtel HTTP DL is (17.00 Mbps), HTTP Capacity DL is (34.67 Mbps) ,HTTP UL is (9.51 Mbps) , and HTTP Capacity UL is (15.01 Mbps).
- CWS HTTP DL is (9.31 Mbps), HTTP Capacity DL is (25.37 Mbps) ,HTTP UL is (6.55 Mbps) , and HTTP Capacity UL is (11.92 Mbps).
- On live web page testing for browsing, www.shein.com took (6.38s), www.nbs.gov.sc took (18.09s), and www.sbc.sc took (18.96s) on Airtel.
- On live web page testing for browsing, www.shein.com took (7.52s), www.nbs.gov.sc took (14.88s), and www.sbc.sc took (13.69s) on CWS.
- On static browsing, Kepler Webpage took (3.94s), and Kepler Mobile took (1.75s) on Airtel.
- On static browsing, Kepler Webpage took (5.99s), and Kepler Mobile took (2.72s) on CWS.
- YouTube average resolution in Airtel is (1080.00) pixels.
- YouTube average resolution in CWS is (1064.36) pixels.
- Airtel scored 63.52% in Carrier Aggregation (CA).
- CWS scored 37.17% in Carrier Aggregation (CA).

Phase-2

4G Preferred Data Findings:

- Airtel SFTP DL is (14.79 Mbps), while SFTP UL is (6.10 Mbps), CWS SFTP DL is (5.10 Mbps), while SFTP UL is (2.96 Mbps)
- Airtel HTTP DL is (21.34 Mbps), HTTP Capacity DL is (55.00 Mbps) ,HTTP UL is (9.47 Mbps) , and HTTP Capacity UL is (18.96 Mbps).
- CWS HTTP DL is (6.46 Mbps), HTTP Capacity DL is (22.61 Mbps) ,HTTP UL is (4.17 Mbps) , and HTTP Capacity UL is (14.93 Mbps).
- On live web page testing for browsing, www.shein.com took (6.59s), www.nbs.gov.sc took (18.15s), and www.sbc.sc took (16.24s) on Airtel.
- On live web page testing for browsing, www.shein.com took (12.98s), www.nbs.gov.sc took (15.97s), and www.sbc.sc took (21.69s) on CWS.
- On static browsing, Kepler Webpage took (4.14s), and Kepler Mobile took (1.95s) on Airtel.
- On static browsing, Kepler Webpage took (5.90s), and Kepler Mobile took (2.93s) on CWS.
- YouTube average resolution in Airtel is (1080.00) pixels.
- YouTube average resolution in CWS is (875.74) pixels.
- Airtel scored 63.88% in Carrier Aggregation (CA).
- CWS scored 39.61% in Carrier Aggregation (CA).

Phase-1

3G Preferred Data Test Findings:

- Airtel SFTP DL is (4.90 Mbps), while SFTP UL is (1.51 Mbps), CWS SFTP DL is (3.52 Mbps), while SFTP UL is (0.80 Mbps)
- Airtel HTTP DL is (5.41 Mbps), HTTP Capacity DL is (6.96 Mbps) ,HTTP UL is (1.99 Mbps) , and HTTP Capacity UL is (4.34 Mbps).
- CWS HTTP DL is (2.72 Mbps), HTTP Capacity DL is (7.77 Mbps) ,HTTP UL is (1.26 Mbps) , and HTTP Capacity UL is (3.98 Mbps).
- On live web page testing for browsing, www.shein.com took (9.85s), www.nbs.gov.sc took (11.08s), and www.sbc.sc took (13.91s) on Airtel.
- On live web page testing for browsing, www.shein.com took (14.97s), www.nbs.gov.sc took (10.92s), and www.sbc.sc took (11.51s) on CWS.
- On static browsing, Kepler Webpage took (3.57s), and Kepler Mobile took (1.95s) on Airtel.
- On static browsing, Kepler Webpage took (5.37s), and Kepler Mobile took (2.54s) on CWS.
- YouTube average resolution in Airtel is (1080.00) pixels.
- YouTube average resolution in CWS is (1080.00) pixels.

Phase-2

3G Preferred Data Test Findings:

- Airtel SFTP DL is (5.31 Mbps), while SFTP UL is (1.76 Mbps), CWS SFTP DL is (3.27 Mbps), while SFTP UL is (1.12 Mbps)
- Airtel HTTP DL is (5.21 Mbps), HTTP Capacity DL is (7.98 Mbps) ,HTTP UL is (2.67 Mbps) , and HTTP Capacity UL is (4.78 Mbps).
- CWS HTTP DL is (2.77 Mbps), HTTP Capacity DL is (10.50 Mbps) ,HTTP UL is (1.89 Mbps) , and HTTP Capacity UL is (3.93 Mbps).
- On live web page testing for browsing, www.shein.com took (8.09s), www.nbs.gov.sc took (11.40s), and www.sbc.sc took (10.95s) on Airtel.
- On live web page testing for browsing, www.shein.com took (8.27s), www.nbs.gov.sc took (8.69s), and www.sbc.sc took (9.97s) on CWS.
- On static browsing, Kepler Webpage took (4.25s), and Kepler Mobile took (1.68s) on Airtel.
- On static browsing, Kepler Webpage took (6.12s), and Kepler Mobile took (3.56s) on CWS.
- YouTube average resolution in Airtel is (1051.00) pixels.
- YouTube average resolution in CWS is (1061.19) 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	131	135
Call Failed	1	2
Call Connected	130	133
CSSR[%]	99.24	98.52
USCSR[%]	0.76	1.48
CST [s] Alerting	5.95	8.16
CST [s]Connected	6.21	8.36

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

Call Setup Time (s)	Operators		Rank	
	Airtel	CWS	Airtel	CWS
Overall CST (until ringing/alerting)	5.95	8.16	1	2
CS calls CST (until ringing/alerting)	7.02	N/A	1	N/A
CSFB calls CST (until ringing/alerting)	5.91	8.16	1	2
Overall CST (until Connect/Connect Acknowledge)	6.21	8.36	1	2
CS calls CST (until Connect/Connect Acknowledge)	7.39	N/A	1	N/A
CSFB calls CST (until Connect/Connect Acknowledge)	6.16	8.36	1	2

Phase-2

Short Call Statistics		
Short Call Scenario	Operator 1	Operator 2
Voice KPIs	Airtel	CWS
Call Attempt	125	129
Call Failed	3	8
Call Connected	122	121
CSSR[%]	97.60	93.80
USCSR	2.40	6.20
CST [s] Alerting	6.47	7.60
CST [s]Connected	6.72	7.80

Call Setup Time (s)	Operators		Rank	
	Airtel	CWS	Airtel	CWS
Overall CST (until ringing/alerting)	6.47	7.60	1	2
CS calls CST (until ringing/alerting)	6.52	7.51	1	2
CSFB calls CST (until ringing/alerting)	6.47	7.61	1	2
Overall CST (until Connect/Connect Acknowledge)	6.72	7.80	1	2
CS calls CST (until Connect/Connect Acknowledge)	6.69	7.66	1	2
CSFB calls CST (until Connect/Connect Acknowledge)	6.72	7.81	1	2

Phase-1

Long Call Statistics				
Long Call Scenario	Operator 1		Operator 2	
Voice KPIs	Airtel		CWS	
Call Connected	33		35	
Call Dropped	0		2	
Call Completed	33		33	
CRR[%]	100.00		94.29	
DCR[%]	0.00		5.71	
MOS	3.11		3.35	
	Airtel short call	CWS short call	Airtel long call	CWS long call
CSFB Calls	126	135	32	35
CS Calls	5	0	1	0
Handover Statistics		Airtel MO	CWS MO	
Handover Attempt		19	101	
Handover Failure		0	2	
Handover Success		19	99	
HOSR %		100.00	98.02	

Phase-2

Long Call Statistics				
Long Call Scenario	Operator 1		Operator 2	
Voice KPIs	Airtel		CWS	
Call Connected	31		33	
Call Dropped	1		3	
Call Completed	30		30	
CRR[%]	96.77		90.91	
DCR[%]	3.23		9.09	
MOS	2.87		3.39	
	Airtel short call	CWS short call	Airtel long call	CWS long call
CSFB Calls	117	122	30	31
CS Calls	8	7	1	2
Handover Statistics		Airtel MO	CWS MO	
Handover Attempt		21	84	
Handover Failure		2	1	
Handover Success		19	83	
HOSR %		90.48	98.81	

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)	13.04	7.57	1	2	14.79	5.10	1	2
	SFTP UL(Mbps)	5.83	3.77	1	2	6.10	2.96	1	2
	HTTP DL(Mbps)	17.00	9.31	1	2	21.34	6.46	1	2
	HTTP UL(Mbps)	9.51	6.55	1	2	9.47	4.17	1	2
	HTTP Capacity DL(Mbps)	34.67	25.37	1	2	55.00	22.61	1	2
	HTTP Capacity UL(Mbps)	15.01	11.92	1	2	18.96	14.93	1	2
BROWSER	Overall Browser DL Time (s)	10.13	8.96	2	1	9.47	11.70	1	2
	Kepler Webpage DL Time (s)	3.94	5.99	1	2	4.14	5.90	1	2
	Mobile Kepler Webpage DL Time (s)	1.75	2.72	1	2	1.95	2.93	1	2
	www.shein.com Webpage DL Time (s)	6.83	7.52	1	2	6.59	12.98	1	2
	www.nbs.gov.sc Webpage DL Time (s)	18.09	14.88	2	1	18.15	15.97	2	1
	www.sbc.sc Webpage DL Time (s)	18.96	13.69	2	1	16.24	21.69	1	2
LATENCY	Avg Latency (ms)	267.13	197.1	2	1	273.86	241.43	2	1
	Median Latency (ms)	148	194	1	2	229	220	2	1
YOUTUBE	YouTube Access Time (s)	5.37	1.84	2	1	5.15	3.28	2	1
	YouTube Average Resolution (pixels)	1080.00	1064.36	1	2	1080.00	875.74	1	2
	YouTube Success Ratio [%]	86.36	95.24	2	1	90.48	100.00	2	1

Phase-1

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	20	18	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	20	20	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP DL	Success	20	18	100.00	90.00
	Failure	0	2	0.00	10.00
HTTP UL	Success	20	21	90.91	100.00
	Failure	2	0	9.09	0.00
HTTP Capacity DL	Success	20	21	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	19	19	90.48	95.00
	Failure	2	1	9.52	5.00

Phase-2

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	20	11	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	20	9	100.00	81.82
	Failure	0	2	0.00	18.18
HTTP DL	Success	21	10	100.00	83.33
	Failure	0	2	0.00	16.67
HTTP UL	Success	21	15	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity DL	Success	19	15	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	19	11	90.48	78.57
	Failure	2	3	9.52	21.43

Phase-1

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	17	21	89.47	100.00
	Failure	2	0	10.53	0.00
Mobile Kepler	Success	20	21	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	19	21	100.00	100.00
	Failure	0	0	0.00	0.00
www.nbs.gov.sc	Success	20	21	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	20	21	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	17	15	85.00	100.00
	Failure	3	0	15.00	0.00
Mobile Kepler	Success	18	15	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	18	15	100.00	93.75
	Failure	0	1	0.00	6.25
www.nbs.gov.sc	Success	18	14	100.00	93.33
	Failure	0	1	0.00	6.67
www.sbc.sc	Success	18	14	100.00	100.00
	Failure	0	0	0.00	0.00

Phase-1

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	39	41
	Average Latency [ms]	261.46	195.98
	Median Latency [ms]	141	193
	Ping session status: Successful	39	42
	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]	408.84	167.81
	Median Latency [ms]	408	163
	Ping session status: Successful	19	21
	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]	121.45	225.55
	Median Latency [ms]	121	226
	Ping session status: Successful	20	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

Phase-2

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	38	27
	Average Latency [ms]	273.24	262.56
	Median Latency [ms]	314	225
	Ping session status: Successful	38	30
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	0
	Packet Loss<1%	2.56	0.00
www.google.com	Average Latency [ms]	405.83	262.07
	Median Latency [ms]	403	192
	Ping session status: Successful	18	15
	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]	153.90	263.08
	Median Latency [ms]	120	239
	Ping session status: Successful	20	13
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	0
	Packet Loss<1%	4.76	0.00

Phase-1

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	22	21
Success(Count)	19	20
Failure(Count)	3	1
YouTube Access Time (s)	5.37	1.84
YouTube Average Resolution (pixels)	1080.00	1064.36
YouTube Success Ratio [%]	86.36	95.24

Phase-2

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	21	15
Success(Count)	19	15
Failure(Count)	2	0
YouTube Access Time (s)	5.15	3.28
YouTube Average Resolution (pixels)	1080.00	875.74
YouTube Success Ratio [%]	90.48	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)	4.9	3.52	1	2	5.31	3.27	1	2
	SFTP UL(Mbps)	1.51	0.8	1	2	1.76	1.12	1	2
	HTTP DL(Mbps)	5.41	2.72	1	2	5.21	2.77	1	2
	HTTP UL(Mbps)	1.99	1.26	1	2	2.67	1.89	1	2
	HTTP Capacity DL(Mbps)	6.96	7.77	2	1	7.98	10.50	2	1
	HTTP Capacity UL(Mbps)	4.34	3.98	1	2	4.78	3.93	1	2
BROWSER	Overall Browser DL Time (s)	8.12	8.91	1	2	7.29	7.23	2	1
	Kepler Webpage DL Time (s)	3.57	5.37	1	2	4.25	6.12	1	2
	Mobile Kepler Webpage DL Time (s)	1.95	2.54	1	2	1.68	3.56	1	2
	www.shein.com Webpage DL Time (s)	9.85	14.97	1	2	8.09	8.27	1	2
	www.nbs.gov.sc Webpage DL Time (s)	11.08	10.92	2	1	11.40	8.69	2	1
	www.sbc.sc Webpage DL Time (s)	13.91	11.51	2	1	10.95	9.97	2	1
LATENCY	Avg Latency (ms)	280.06	222.58	2	1	279.76	216.57	2	1
	Median Latency (ms)	396	150	2	1	397	197	2	1
YOUTUBE	YouTube Access Time (s)	3.44	2.36	2	1	3.64	2.02	2	1
	YouTube Average Resolution (pixels)	1080	1080	1	1	1051.00	1061.91	2	1
	YouTube Success Ratio [%]	89.47	43.75	1	2	94.44	87.50	1	2

Phase-1

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
SFTP DL	Success	17	11	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	16	11	94.12	84.62
	Failure	1	2	5.88	15.38
HTTP DL	Success	17	9	100.00	75.00
	Failure	0	3	0.00	25.00
HTTP UL	Success	17	7	89.47	43.75
	Failure	2	9	10.53	56.25
HTTP Capacity DL	Success	18	15	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	18	11	94.74	73.33
	Failure	1	4	5.26	26.67

Phase-2

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
SFTP DL	Success	17	12	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	16	14	94.12	100.00
	Failure	1	0	5.88	0.00
HTTP DL	Success	17	14	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	17	14	100.00	87.50
	Failure	0	2	0.00	12.50
HTTP Capacity DL	Success	16	16	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	16	13	94.12	81.25
	Failure	1	3	5.88	18.75

Phase-1

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	17	10	94.44	76.92
	Failure	1	3	5.56	23.08
Mobile Kepler	Success	18	15	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	18	11	100.00	84.62
	Failure	0	2	0.00	15.38
www.nbs.gov.sc	Success	18	14	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	18	14	100.00	93.33
	Failure	0	1	0.00	6.67

Phase-2

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	15	15	93.75	93.75
	Failure	1	1	6.25	6.25
Mobile Kepler	Success	17	14	100.00	93.33
	Failure	0	1	0.00	6.67
www.shein.com	Success	16	13	100.00	86.67
	Failure	0	2	0.00	13.33
www.nbs.gov.sc	Success	16	13	100.00	86.67
	Failure	0	2	0.00	13.33
www.sbc.sc	Success	17	13	100.00	86.67
	Failure	0	2	0.00	13.33

Phase-1

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	33	25
	Average Latency [ms]	289.00	216.16
	Median Latency [ms]	396	150
	Ping session status: Successful	33	25
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	2	2
	Packet Loss<1%	5.71	7.41
www.google.com	Average Latency [ms]	423.72	192.13
	Median Latency [ms]	418	139
	Ping session status: Successful	18	15
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	1
	Packet Loss<1%	0.00	6.25
102.133.176.104	Average Latency [ms]	127.33	252.20
	Median Latency [ms]	132	223
	Ping session status: Successful	15	10
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	2	1
	Packet Loss<1%	11.76	9.09

Phase-2

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	26	30
	Average Latency [ms]	318.04	230.57
	Median Latency [ms]	409	199
	Ping session status: Successful	26	30
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	8	1
	Packet Loss<1%	23.53	3.23
www.google.com	Average Latency [ms]	419.06	172.63
	Median Latency [ms]	415	140
	Ping session status: Successful	17	16
	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]	127.22	296.79
	Median Latency [ms]	125	218
	Ping session status: Successful	9	14
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	8	1
	Packet Loss<1%	47.06	6.67

Phase-1

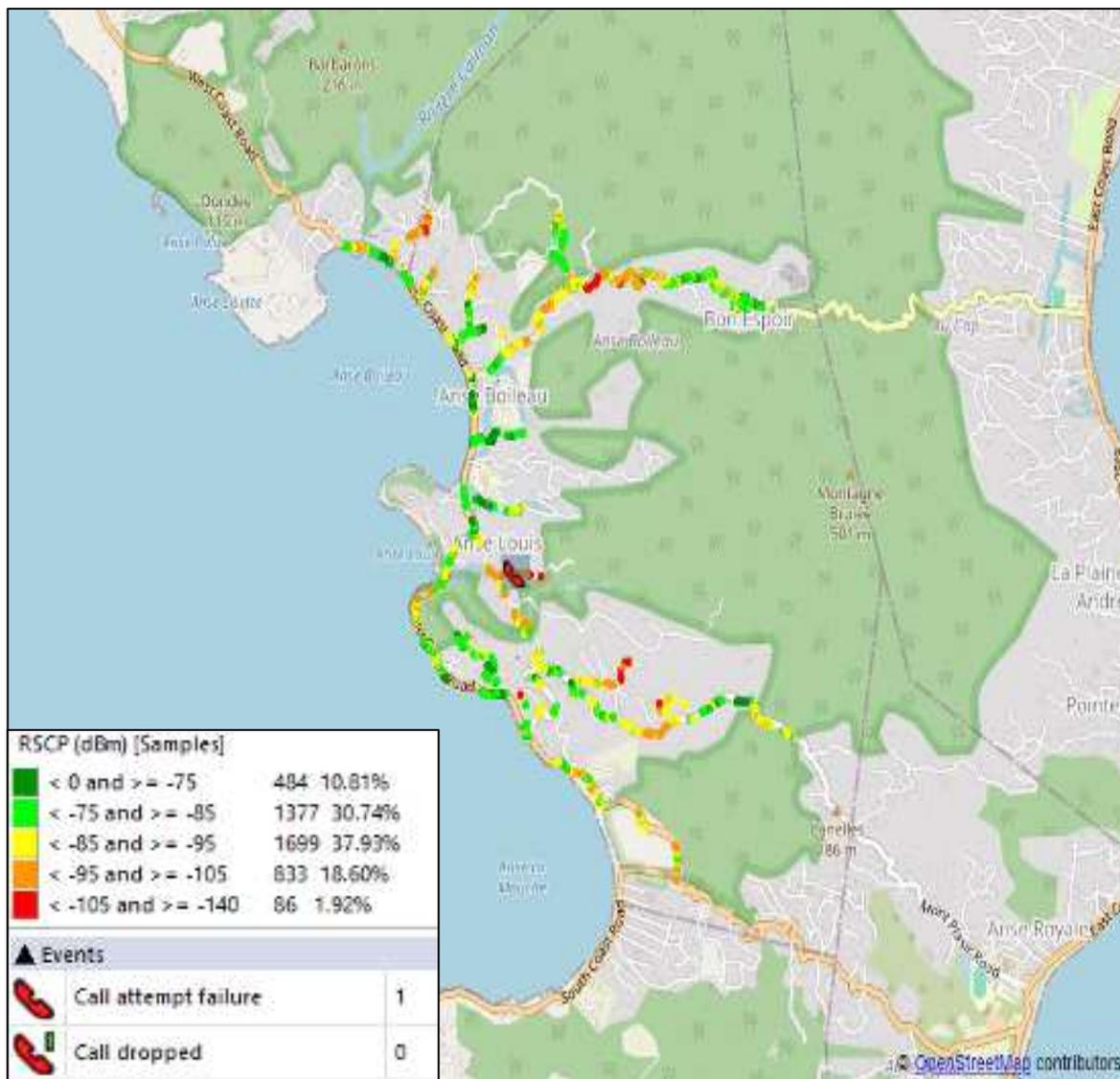
UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	19	16
Success(Count)	17	7
Failure(Count)	2	9
YouTube Access Time (s)	3.44	2.36
YouTube Average Resolution (pixels)	1080.00	1080.00
YouTube Success Ratio [%]	89.47	43.75

Phase-2

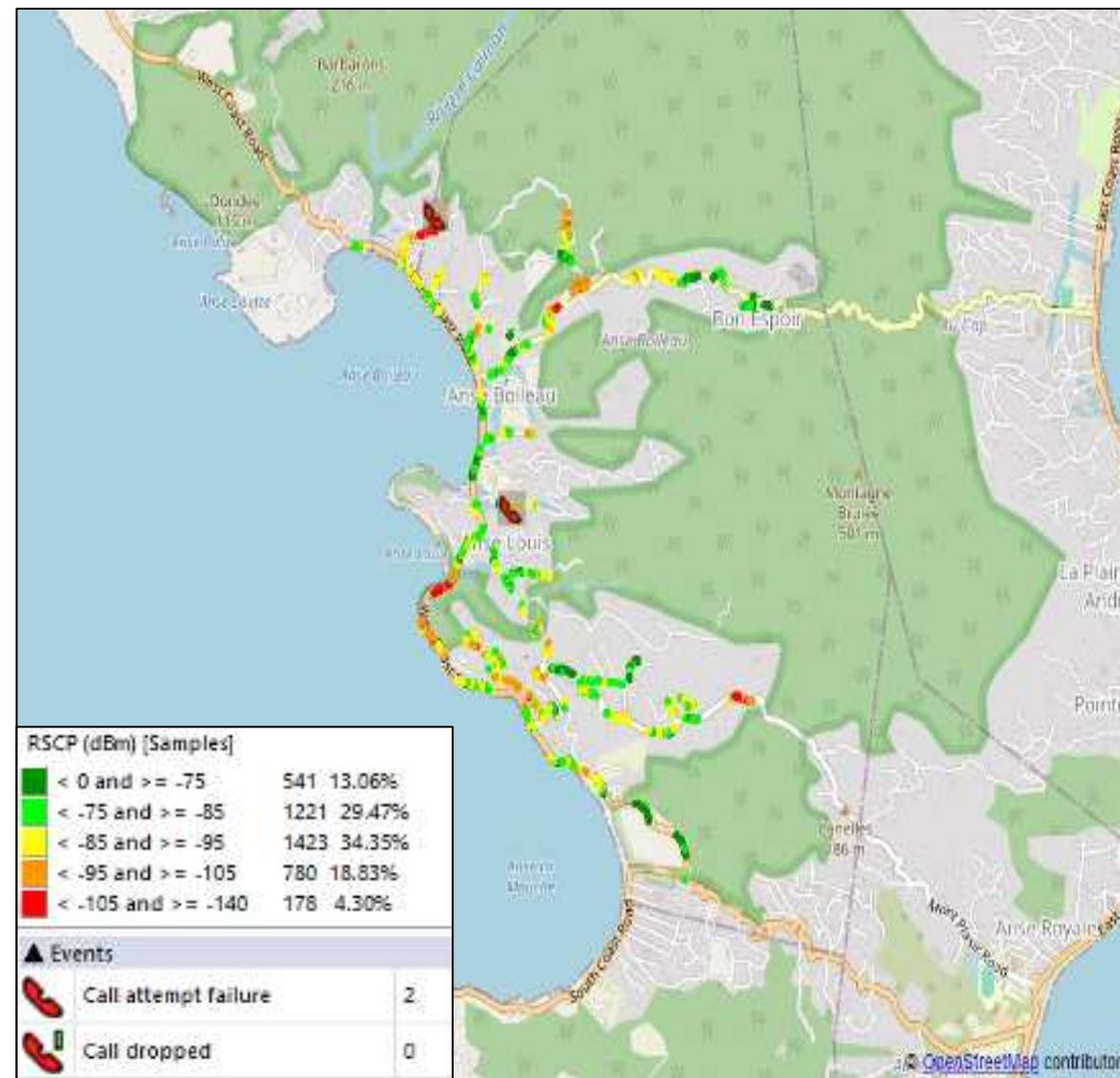
UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	18	16
Success(Count)	17	14
Failure(Count)	1	2
YouTube Access Time (s)	3.64	2.02
YouTube Average Resolution (pixels)	1051.00	1061.91
YouTube Success Ratio [%]	94.44	87.50

Voice Call Events

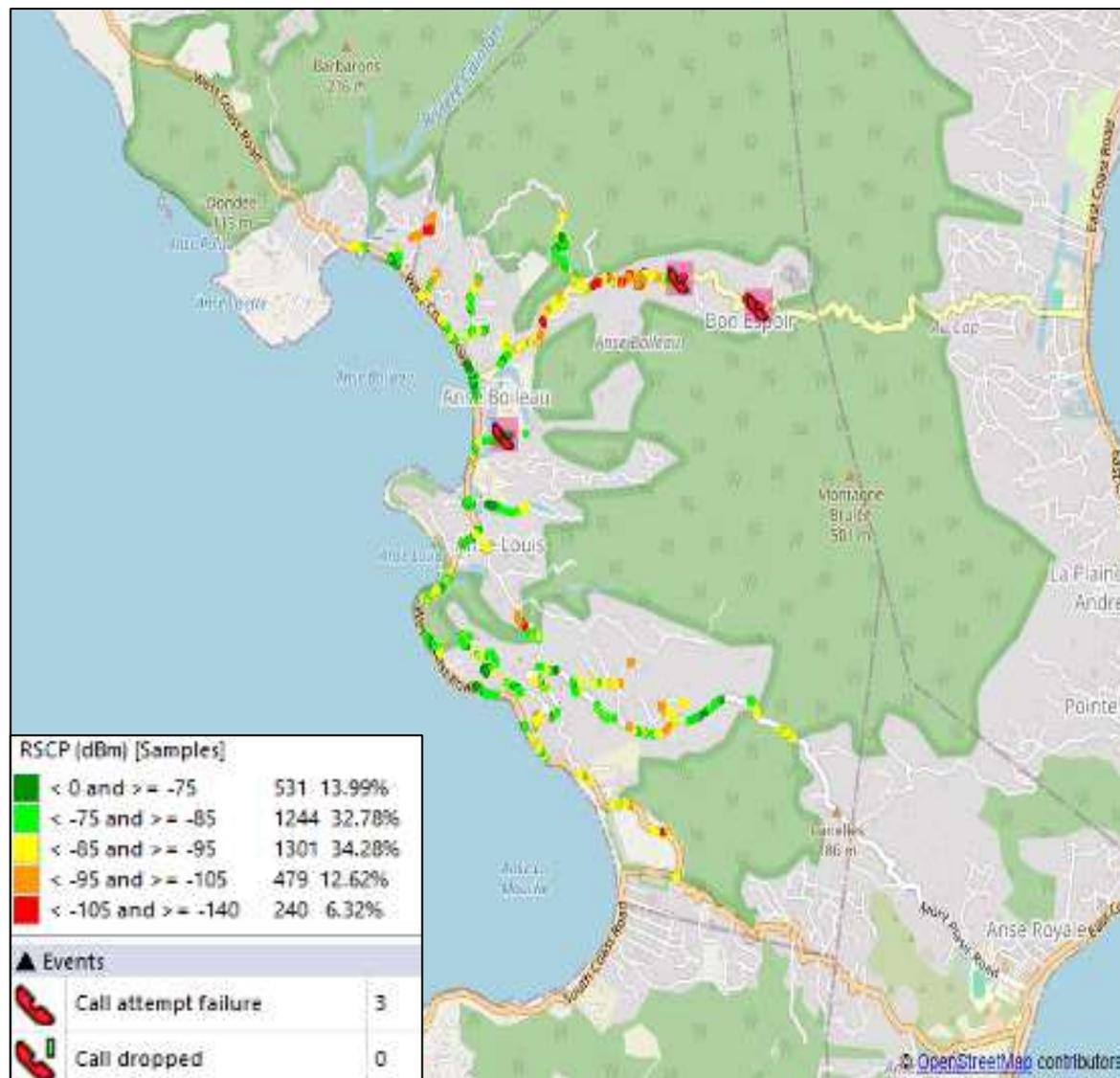
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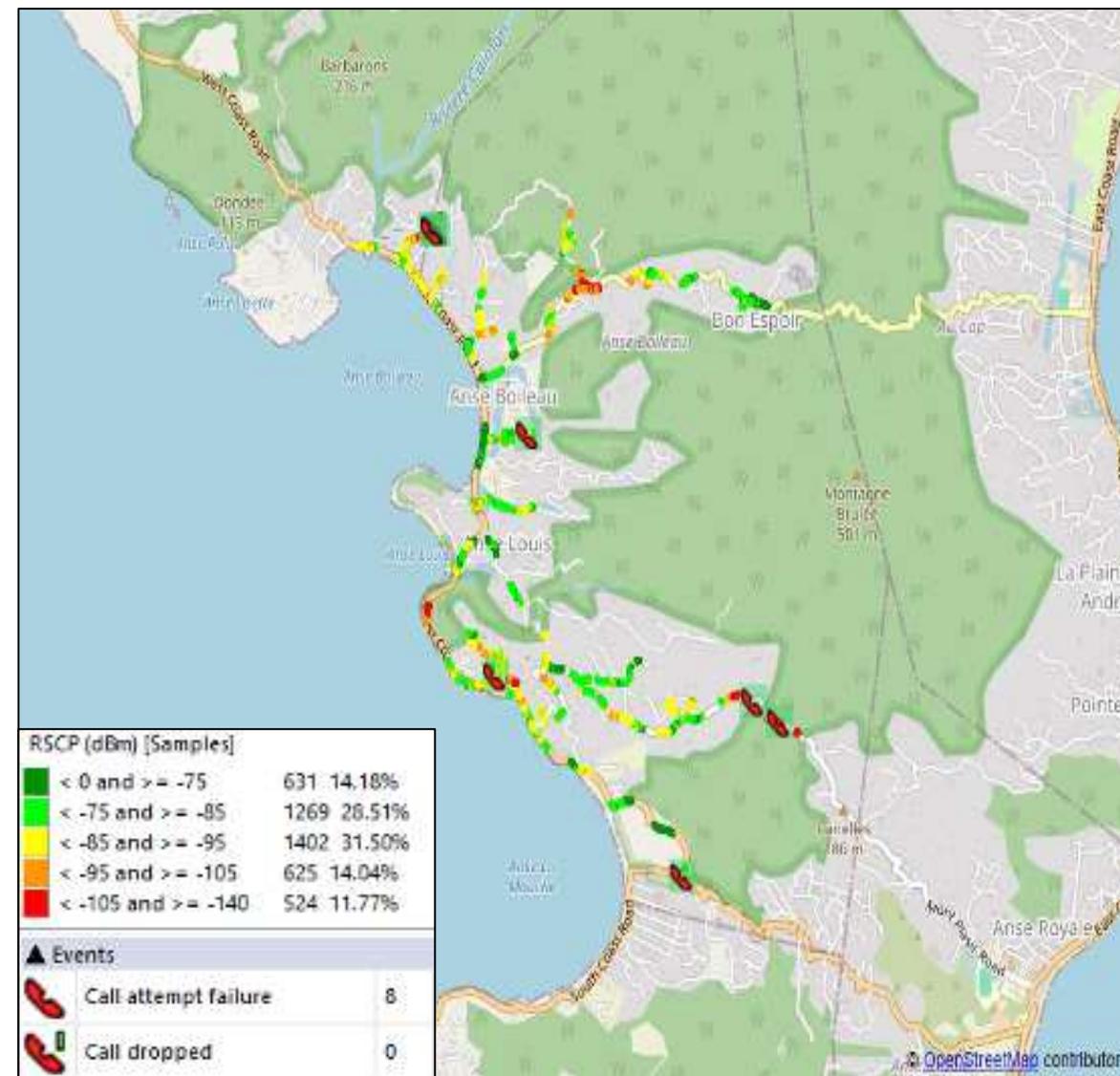
CWS SC MO



Airtel SC MO



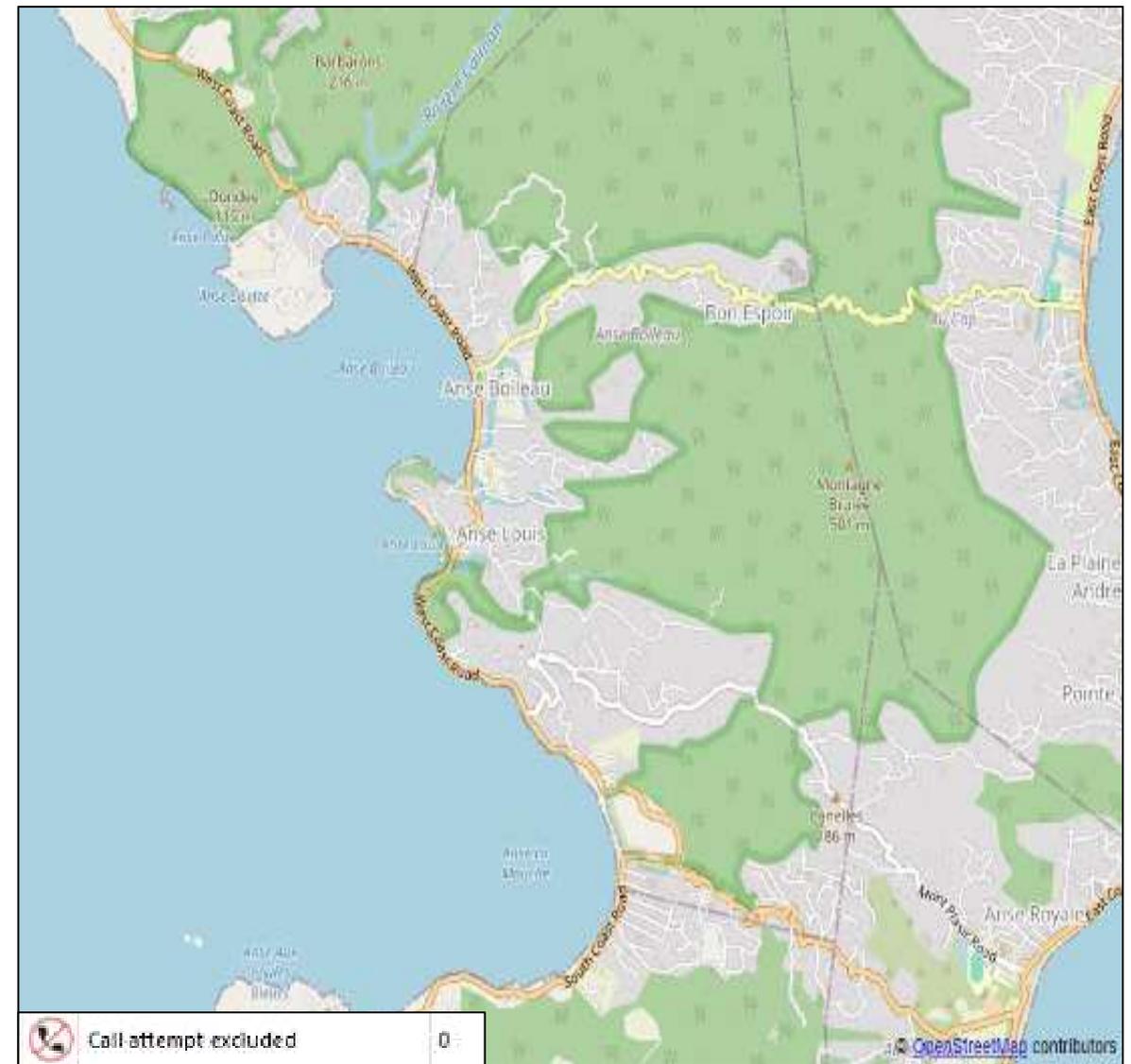
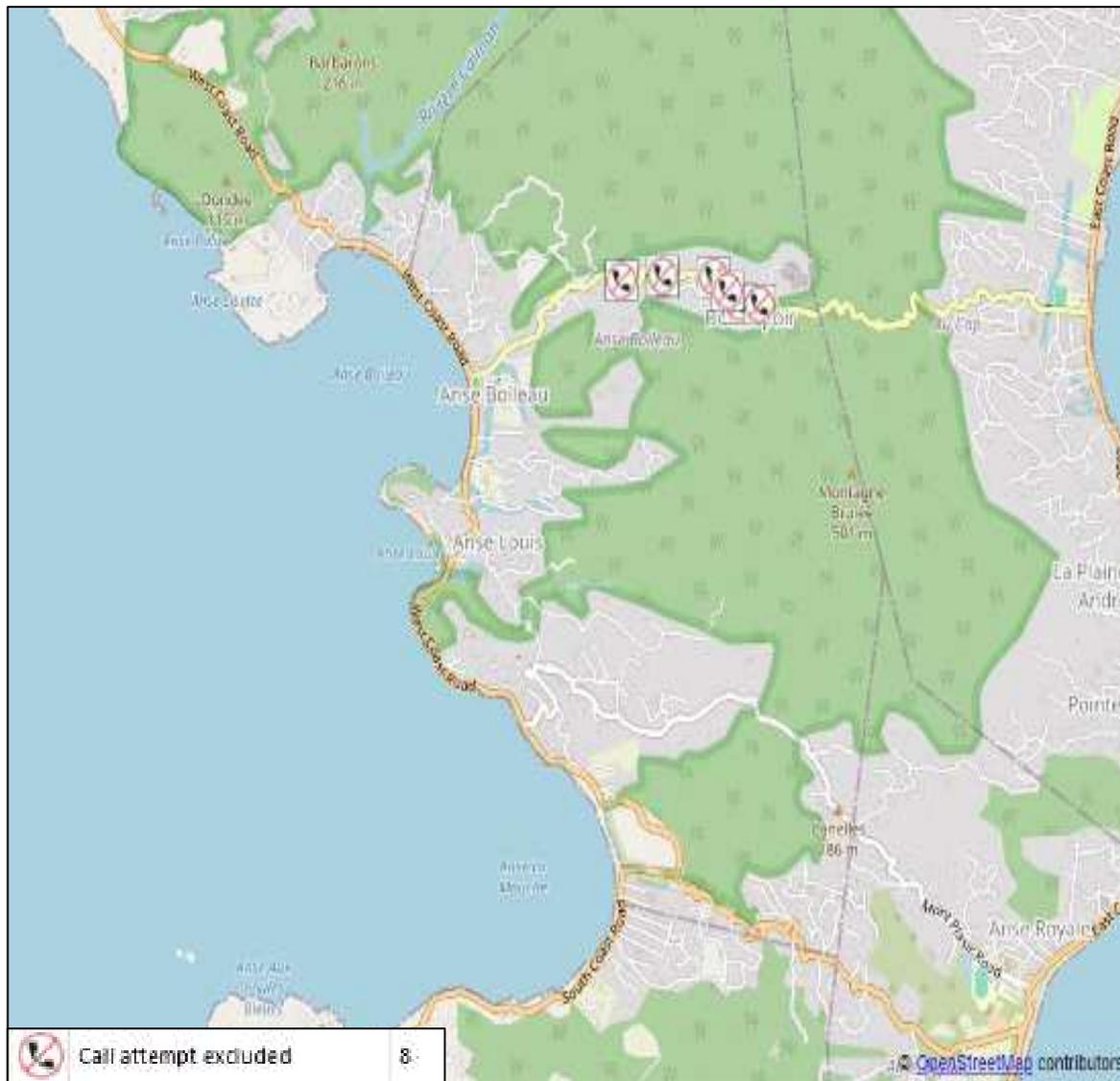
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Phase-1 SHORT CALL EXCLUDED EVENTS

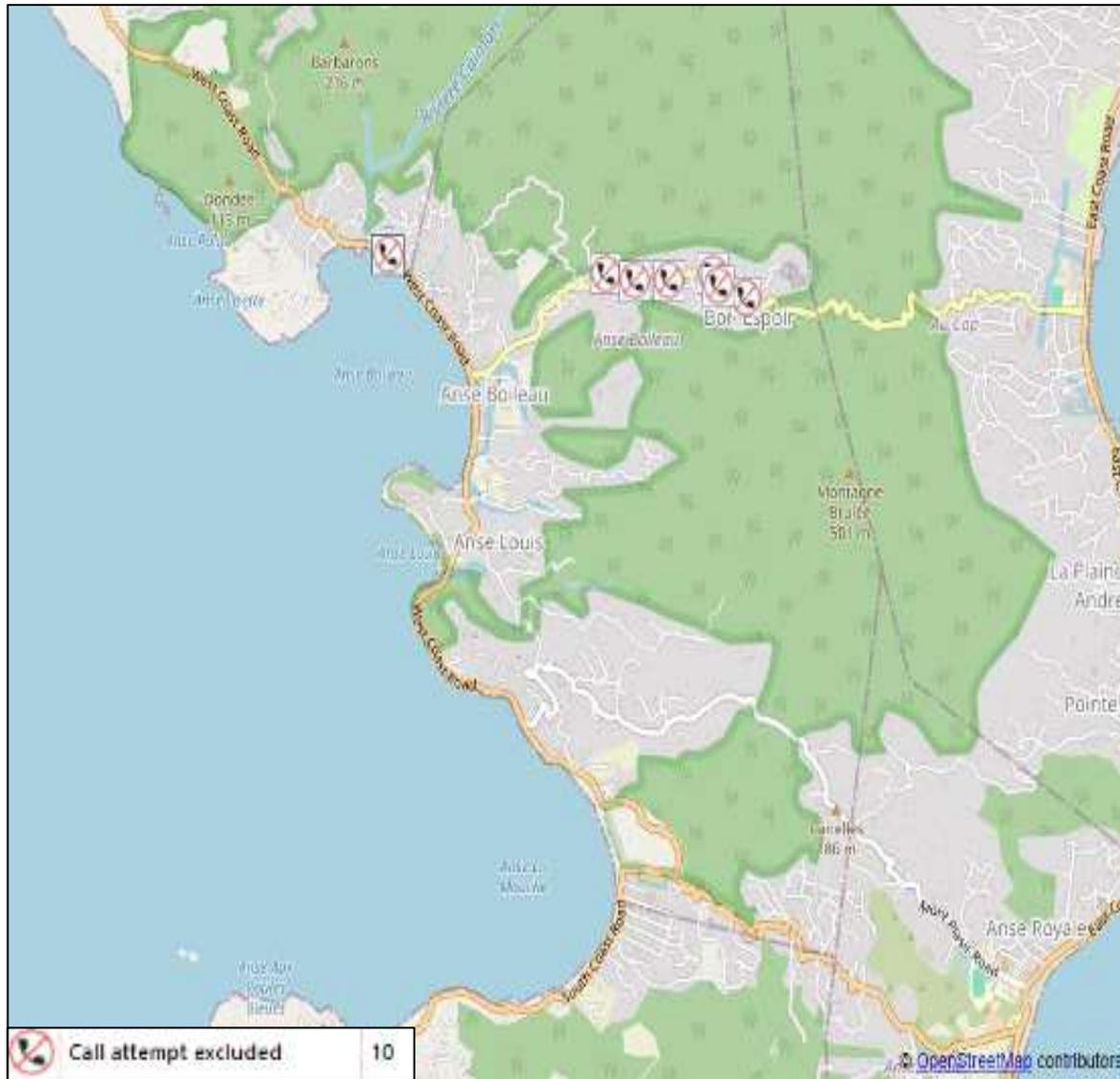
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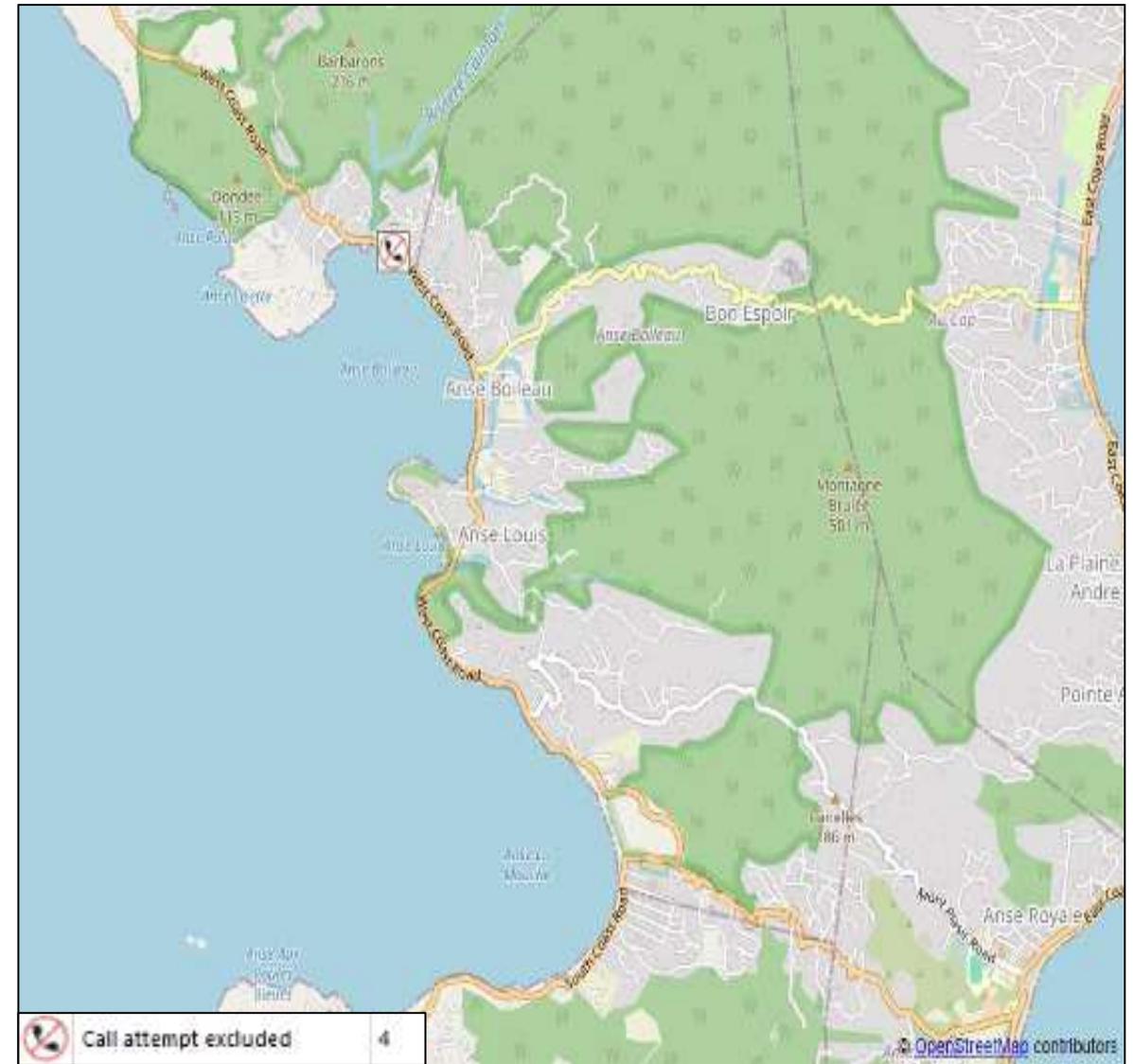


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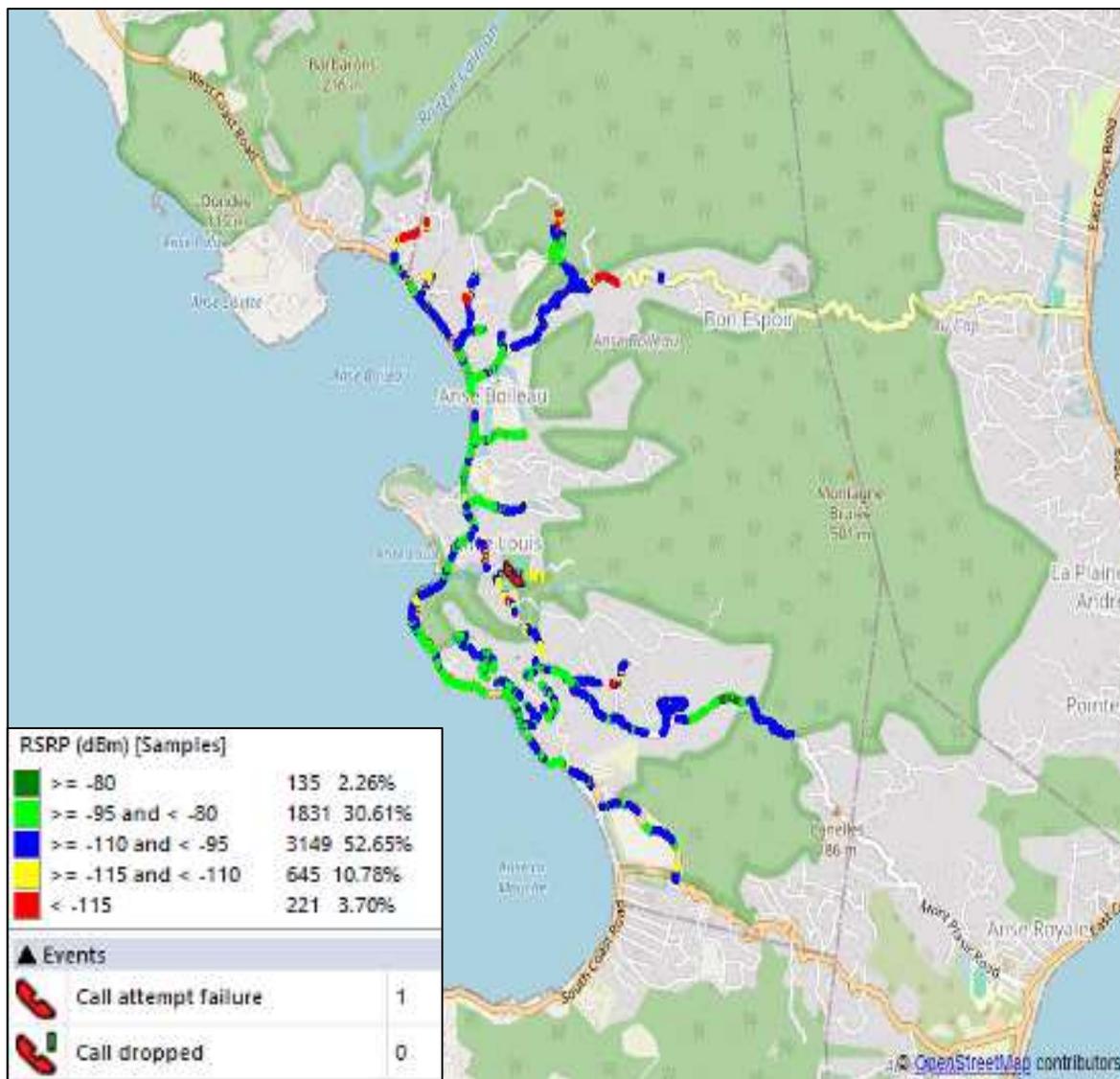
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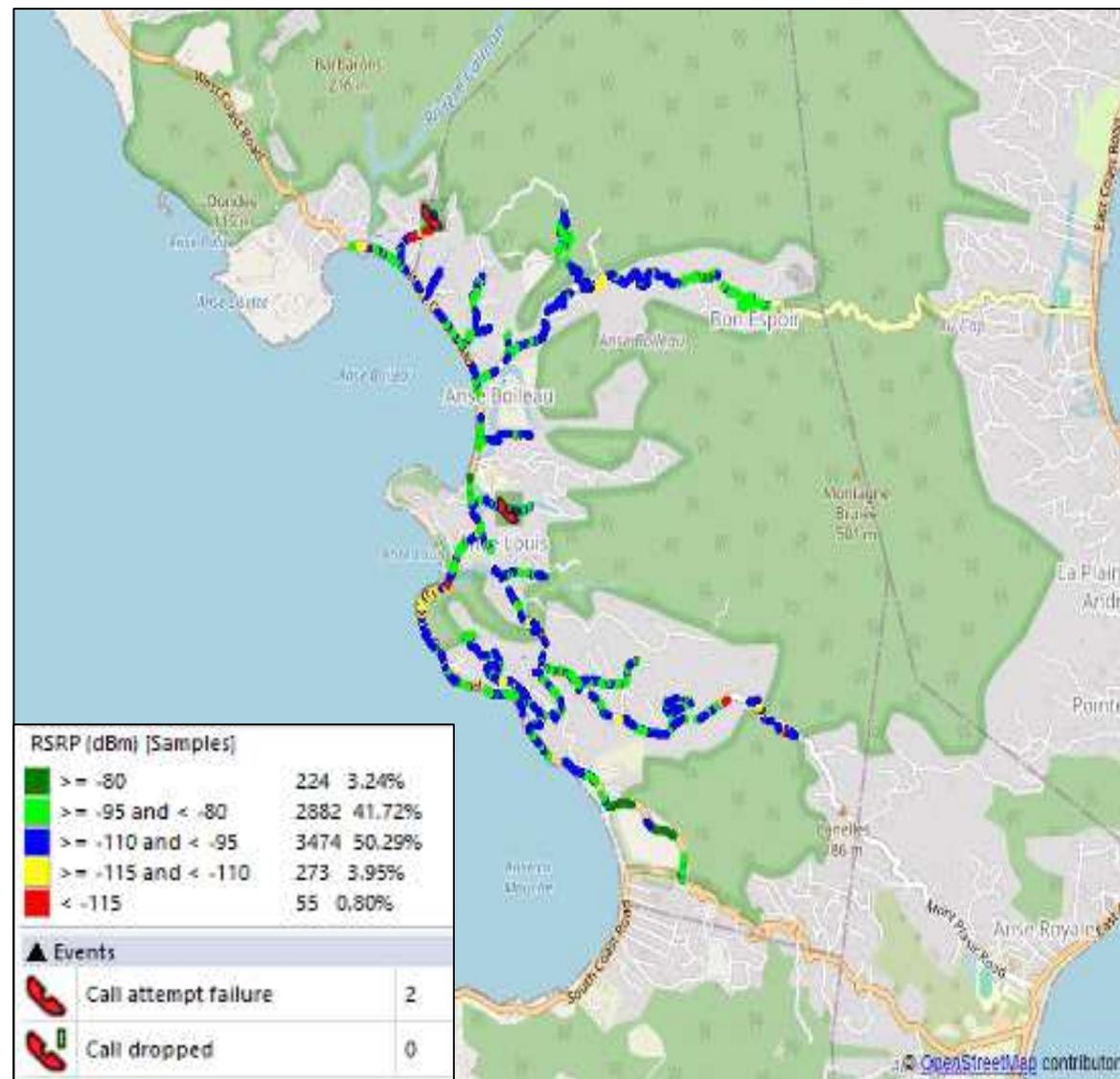
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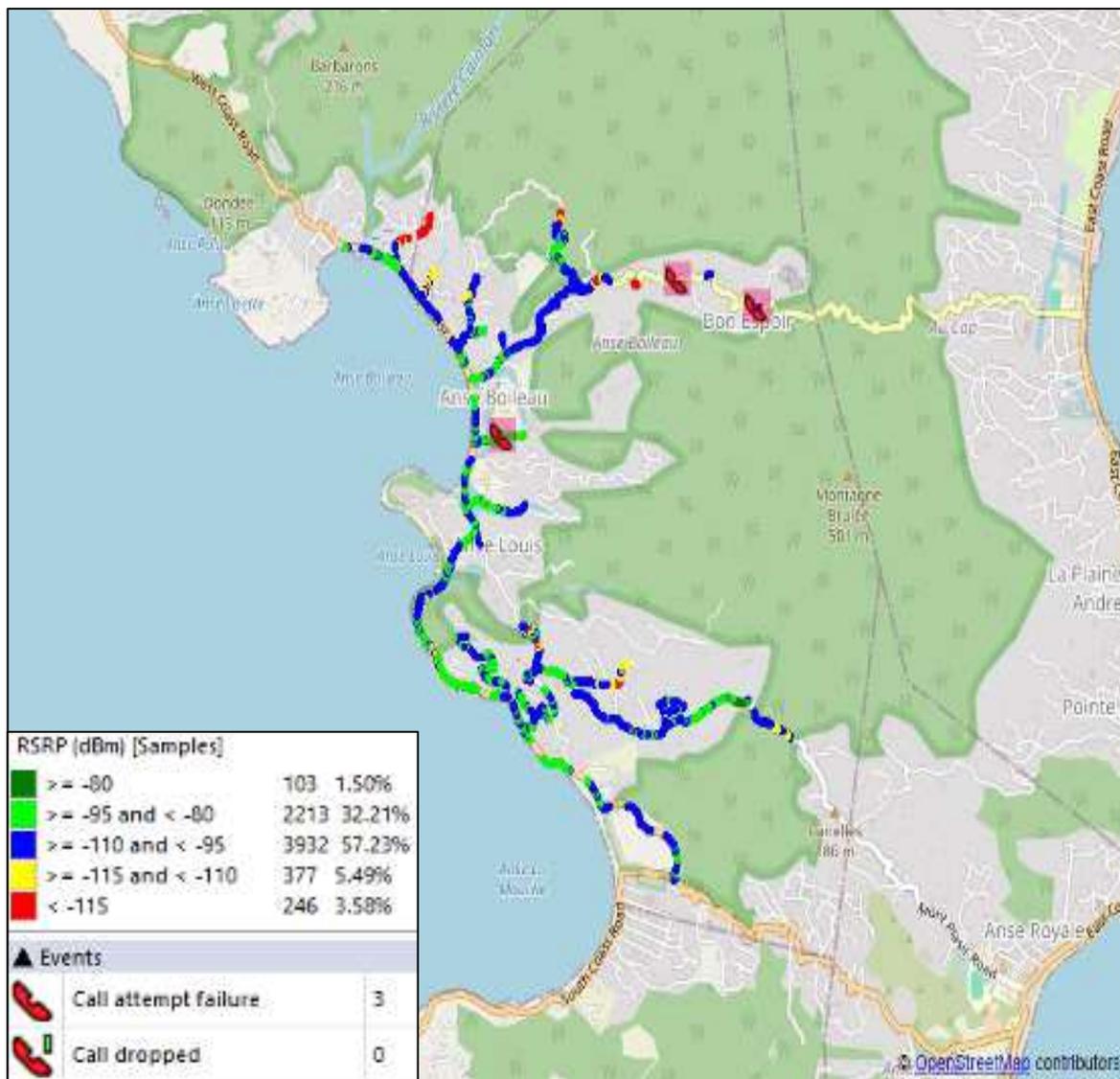
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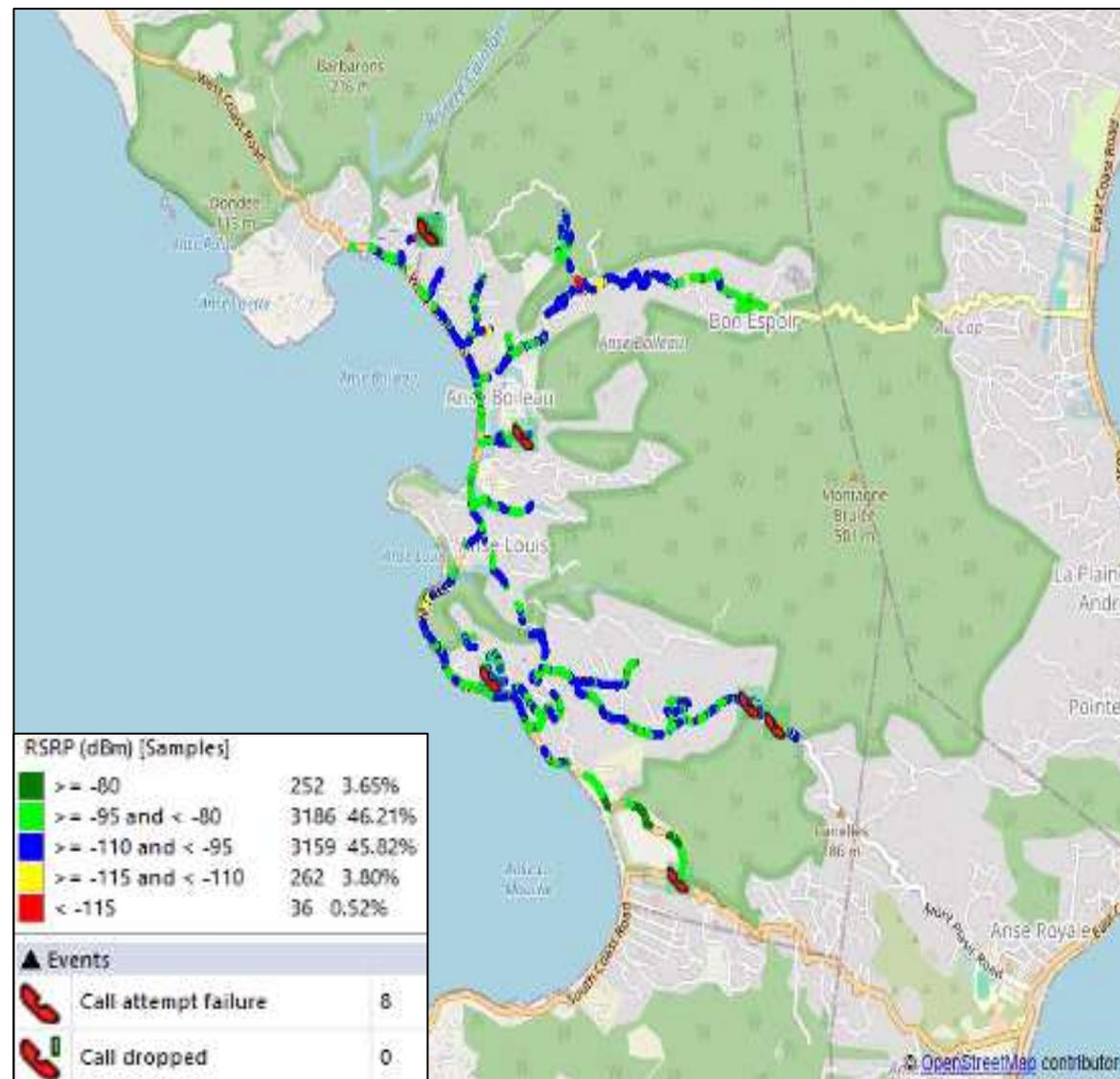
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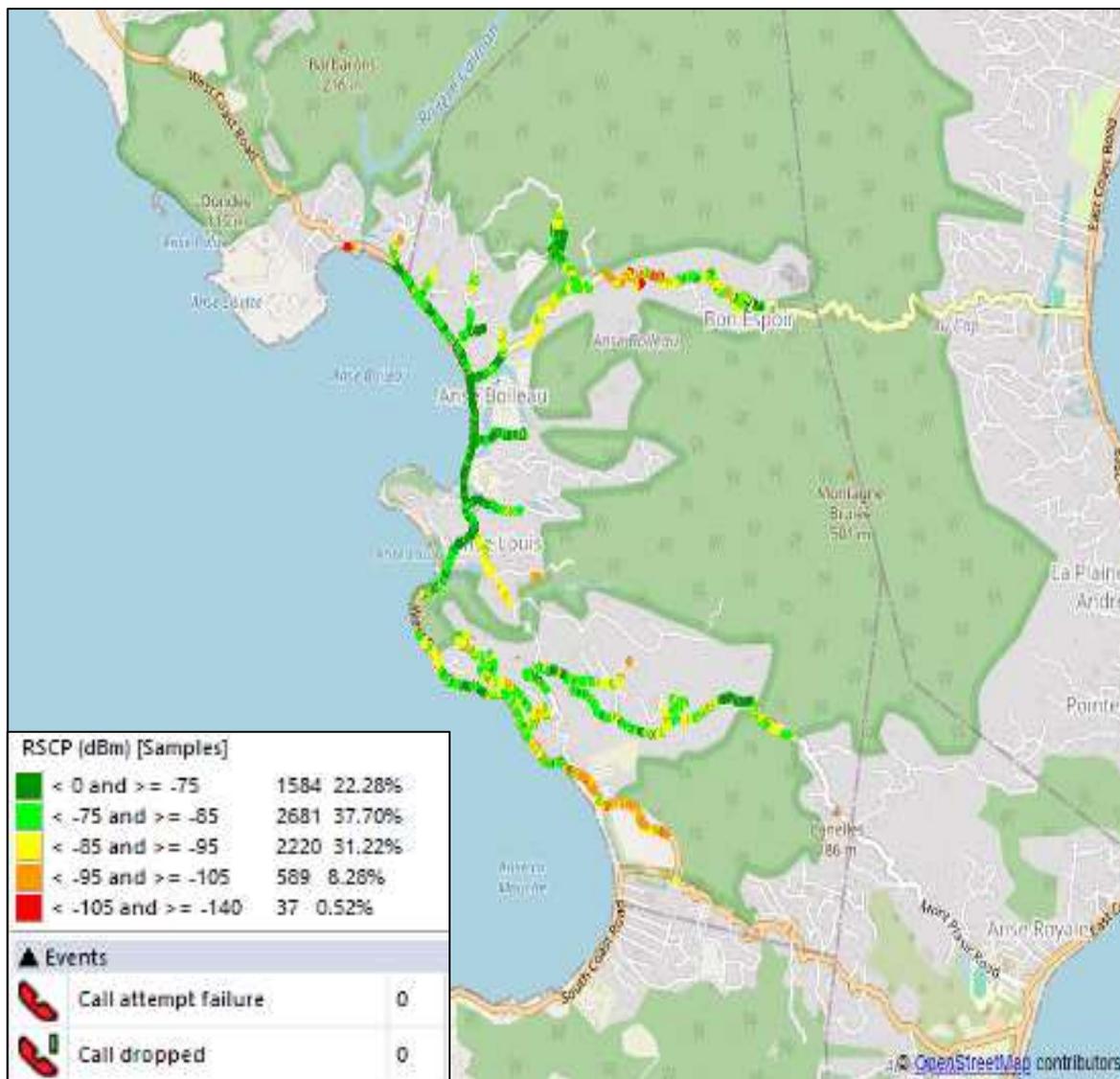
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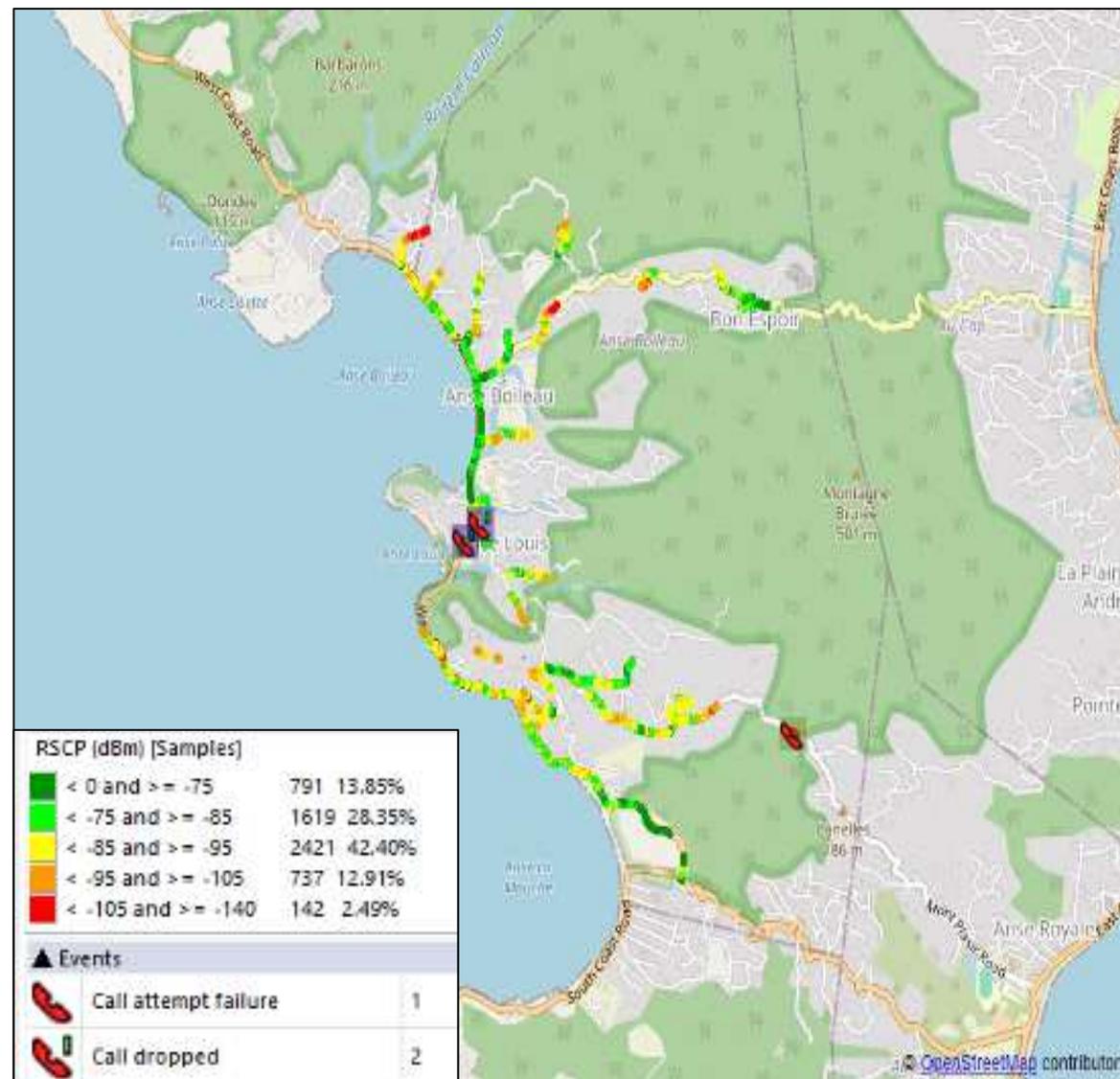
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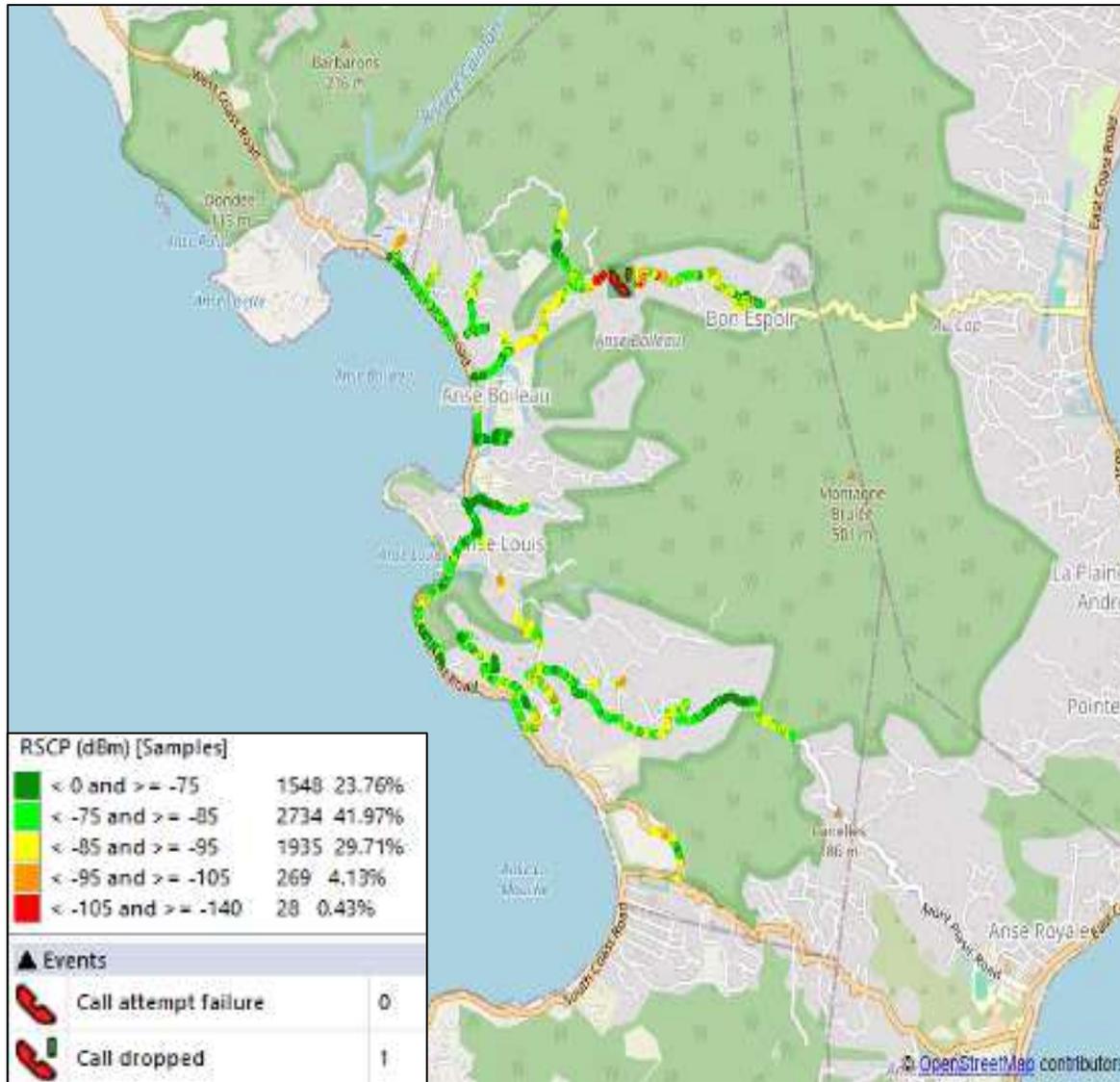
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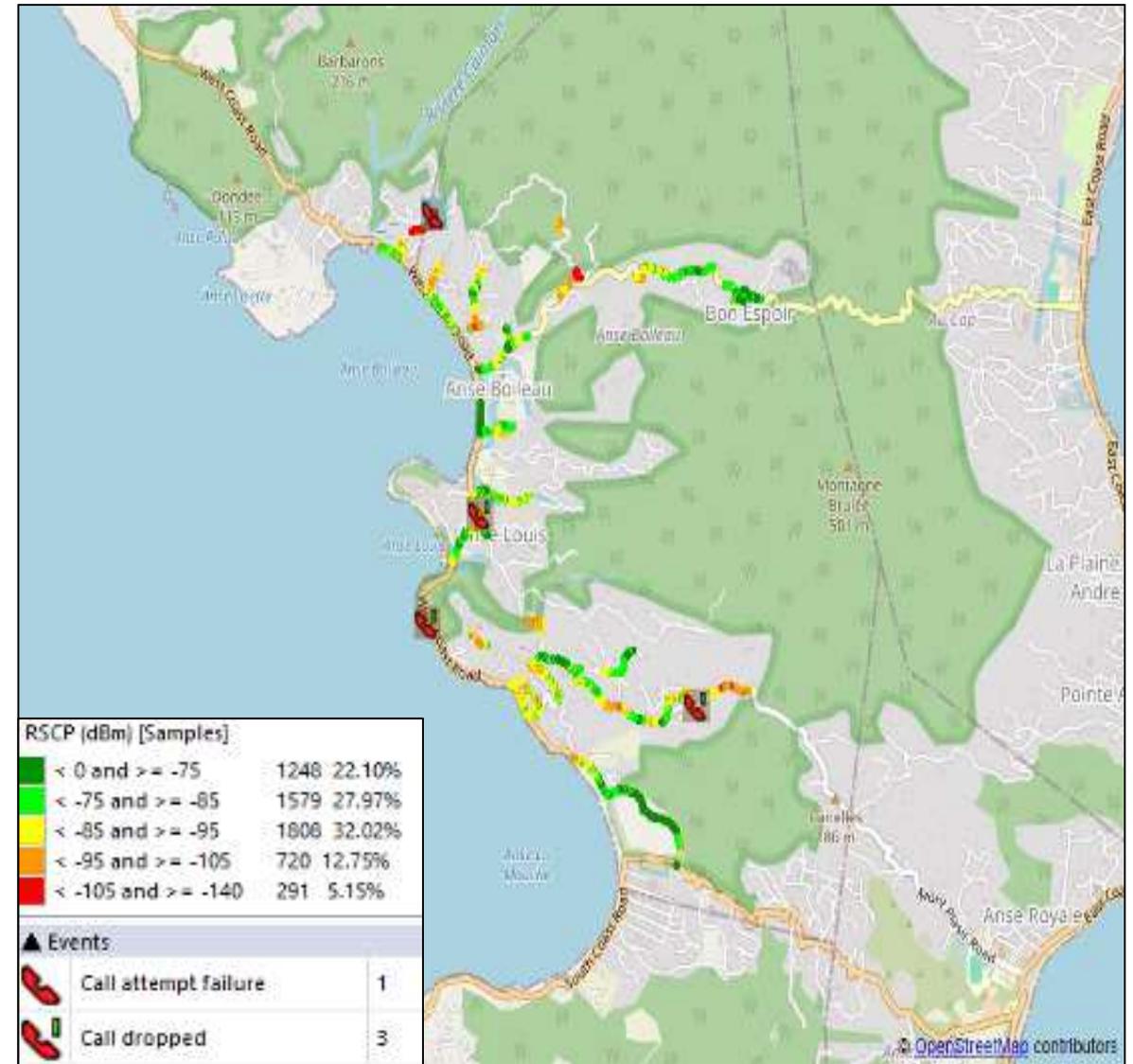
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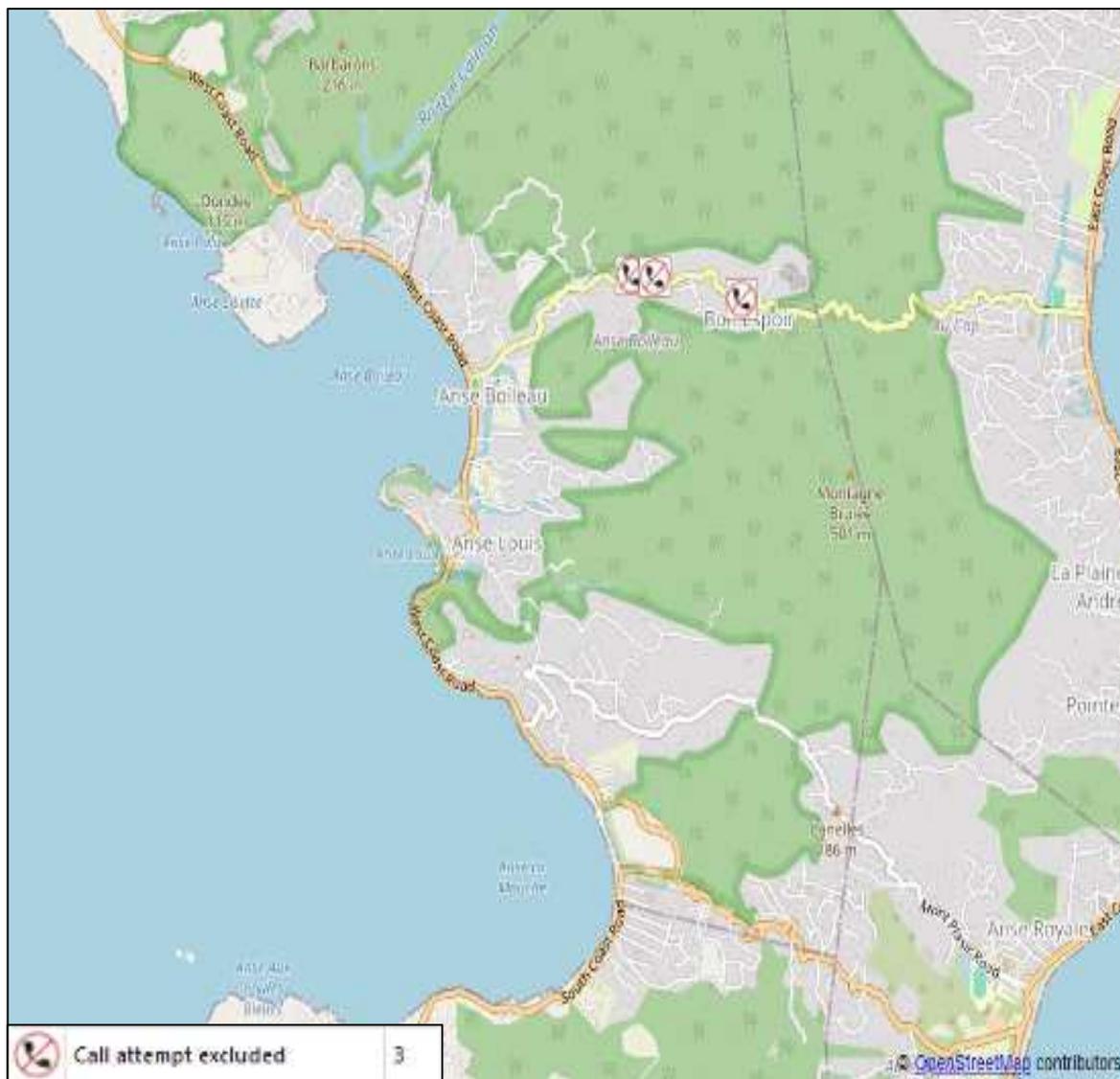
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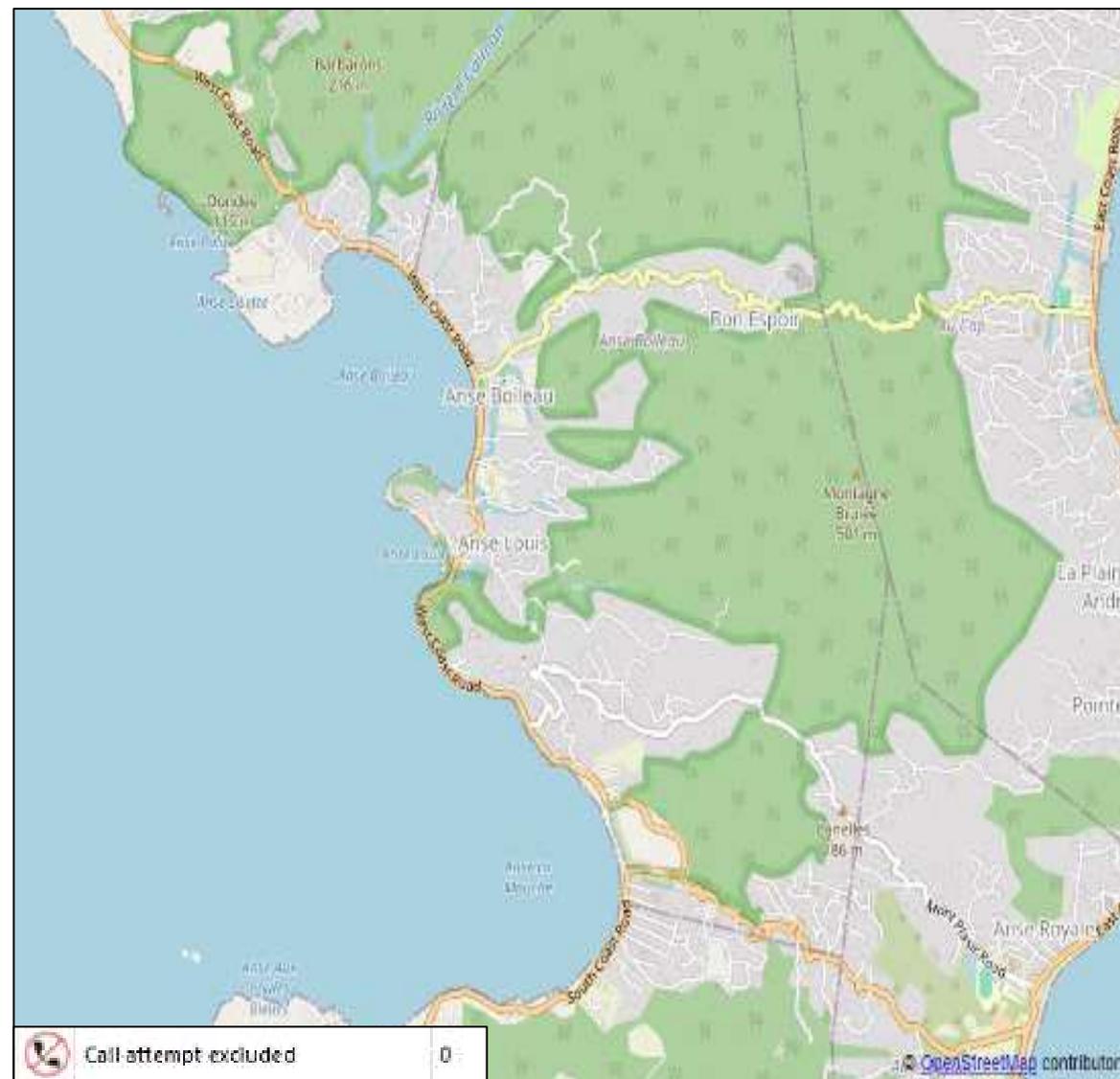
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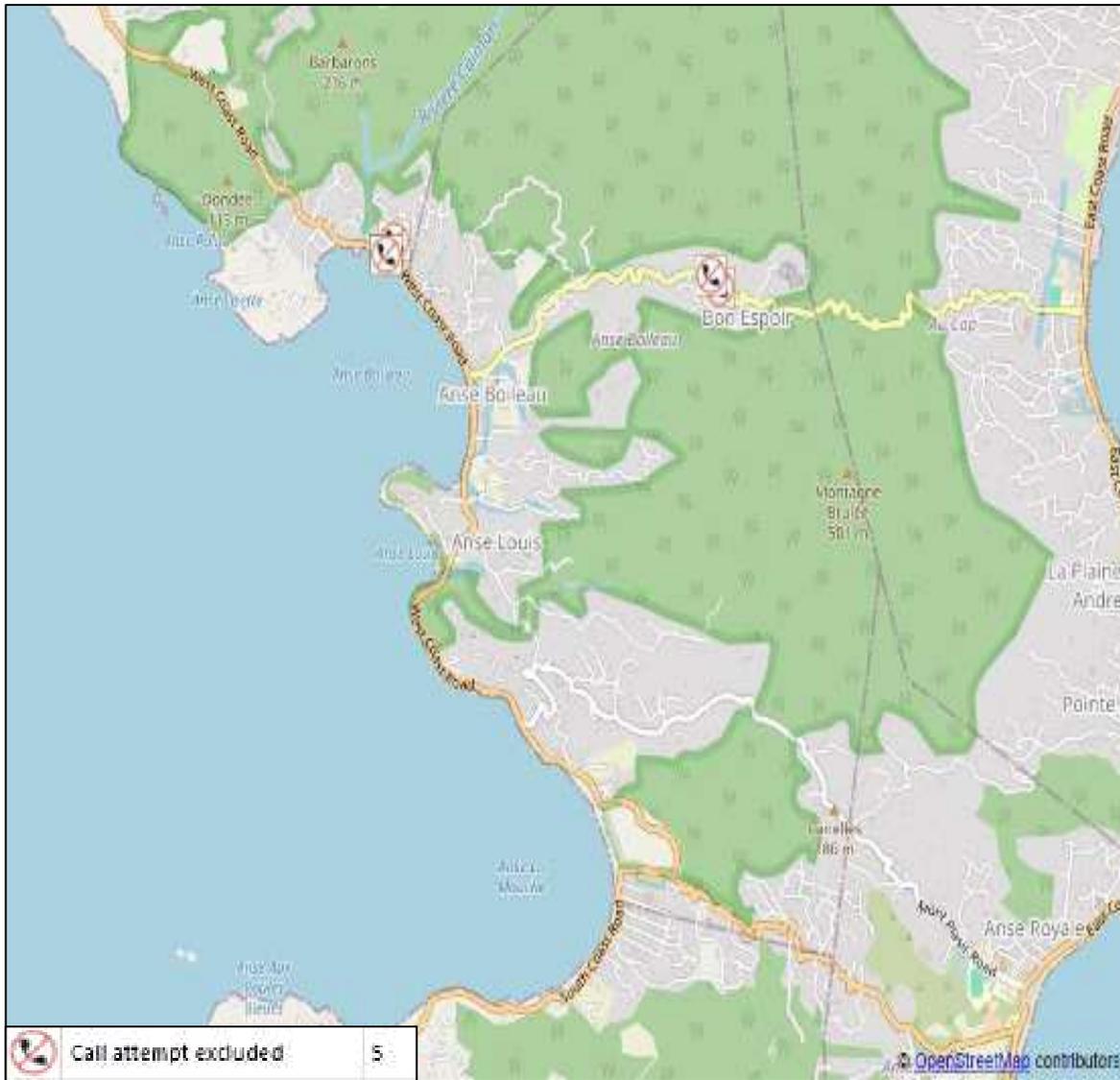


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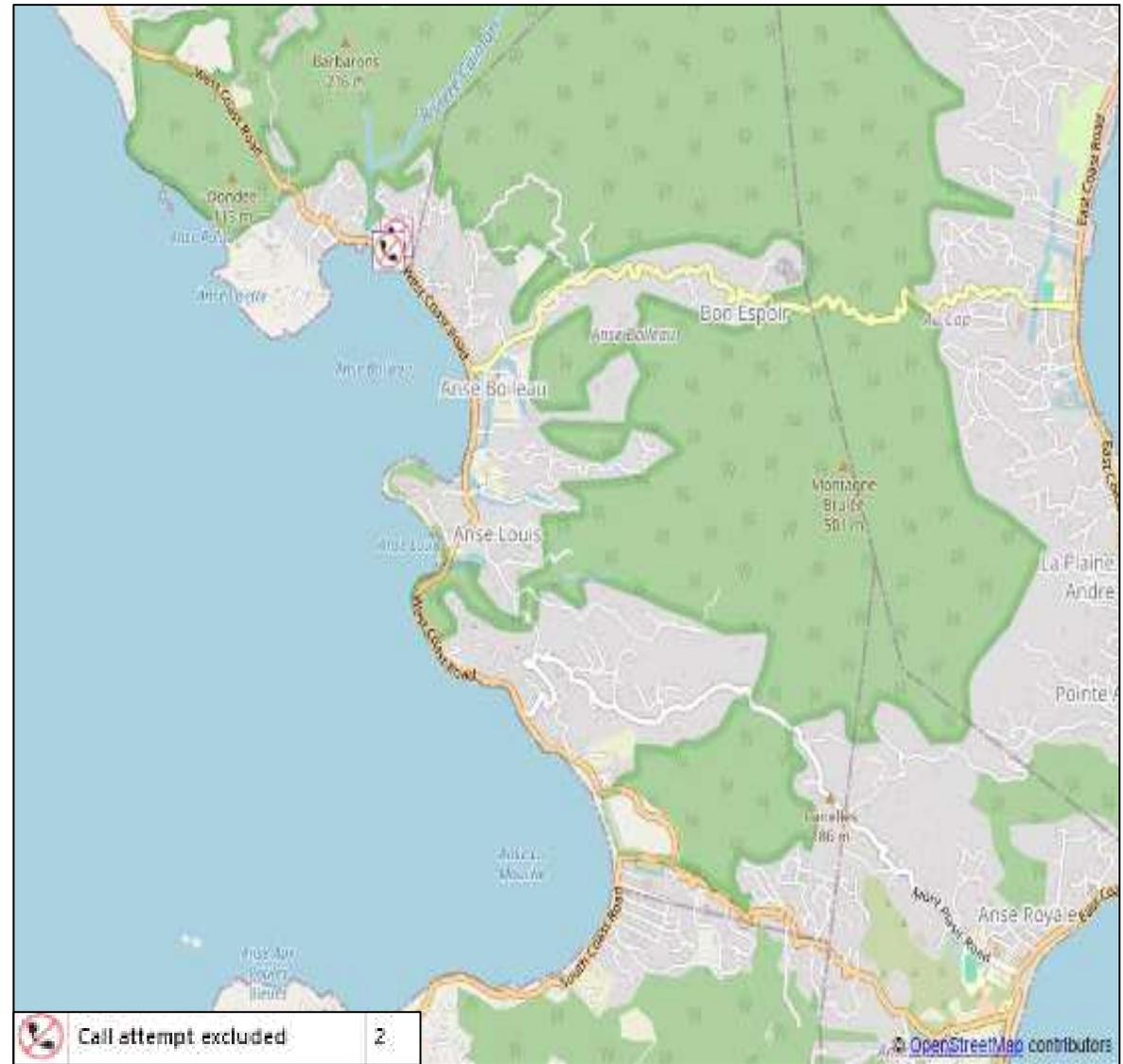


Phase-2 LONG CALL EXCLUDED EVENTS

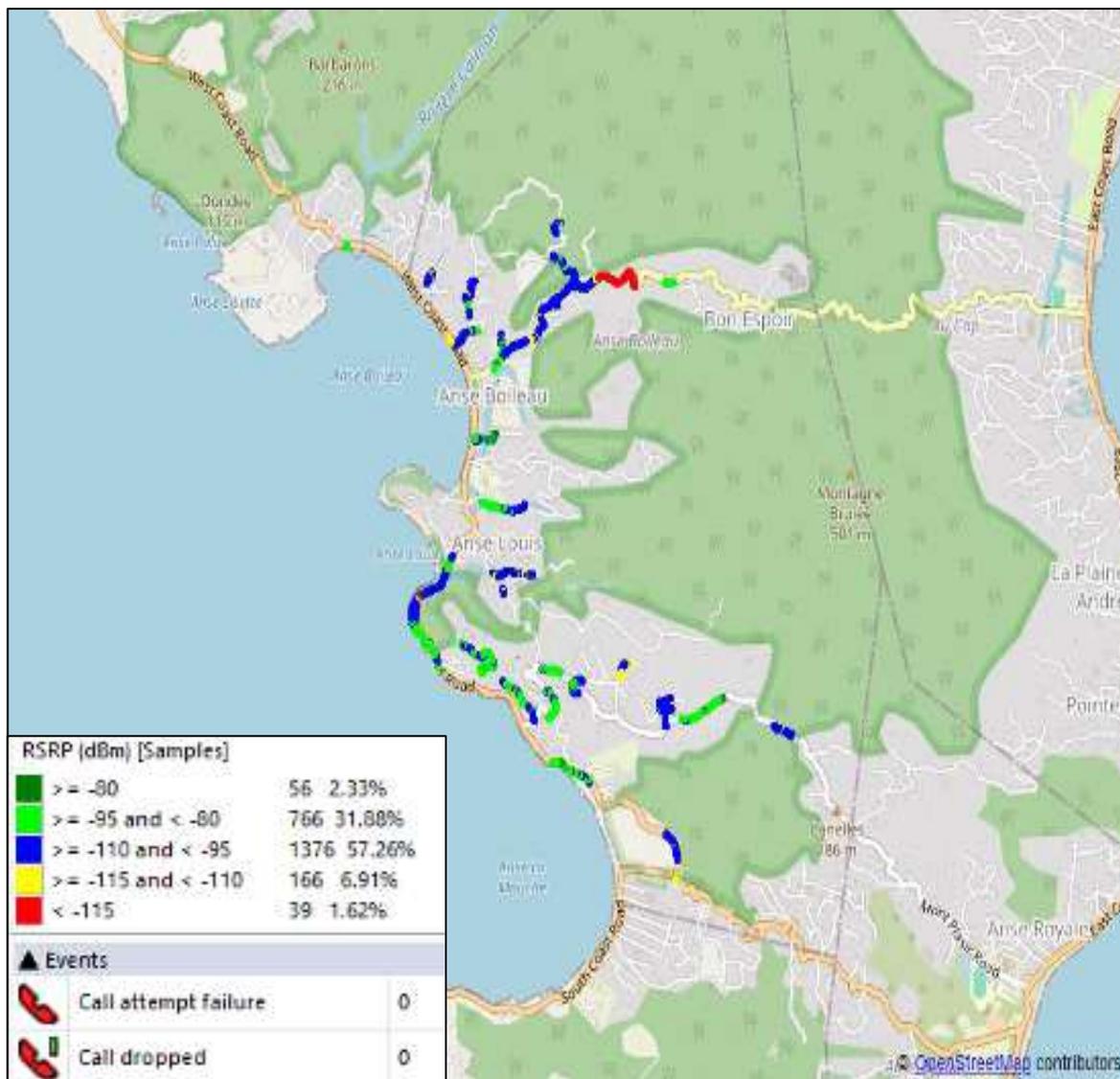
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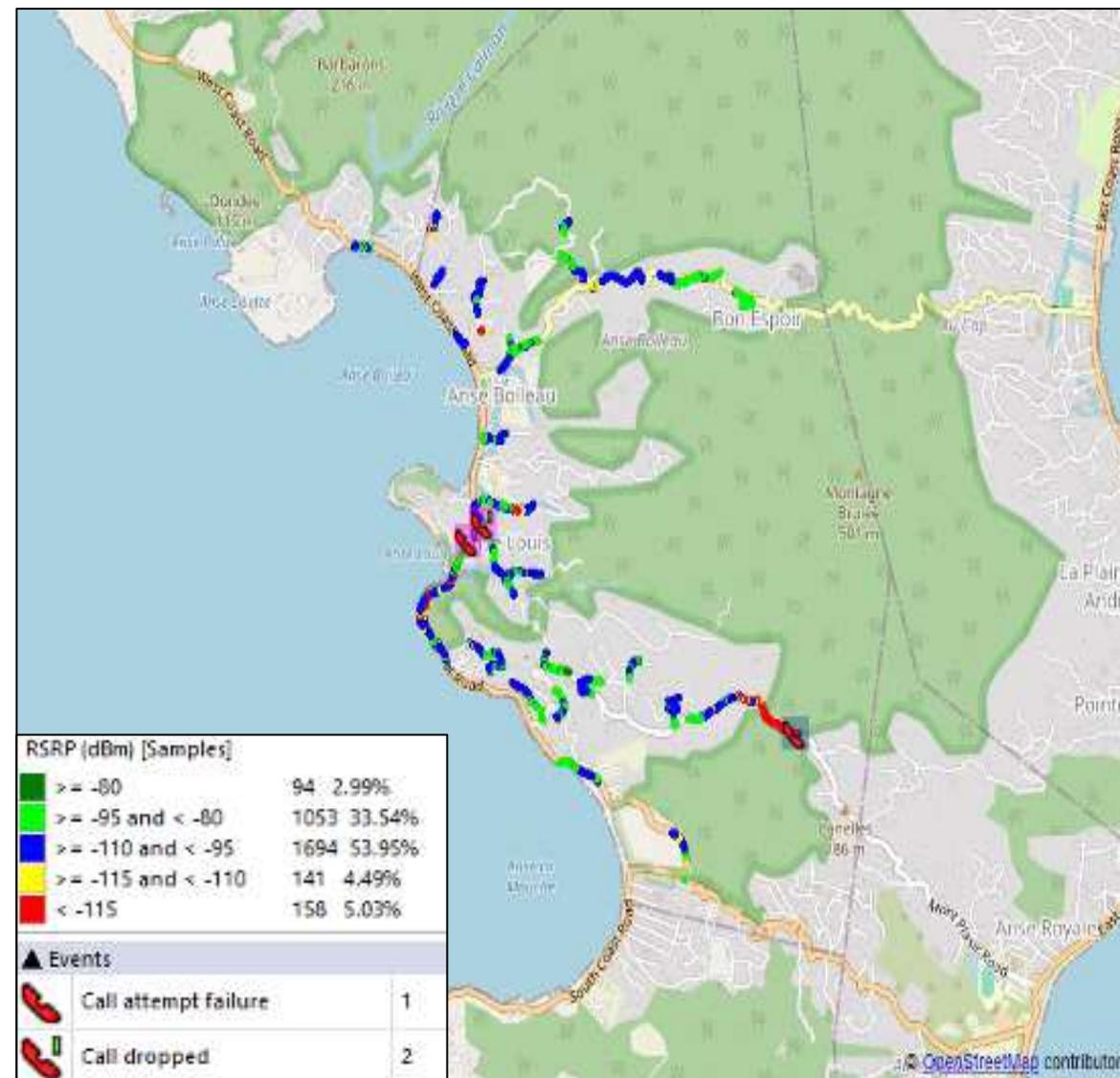
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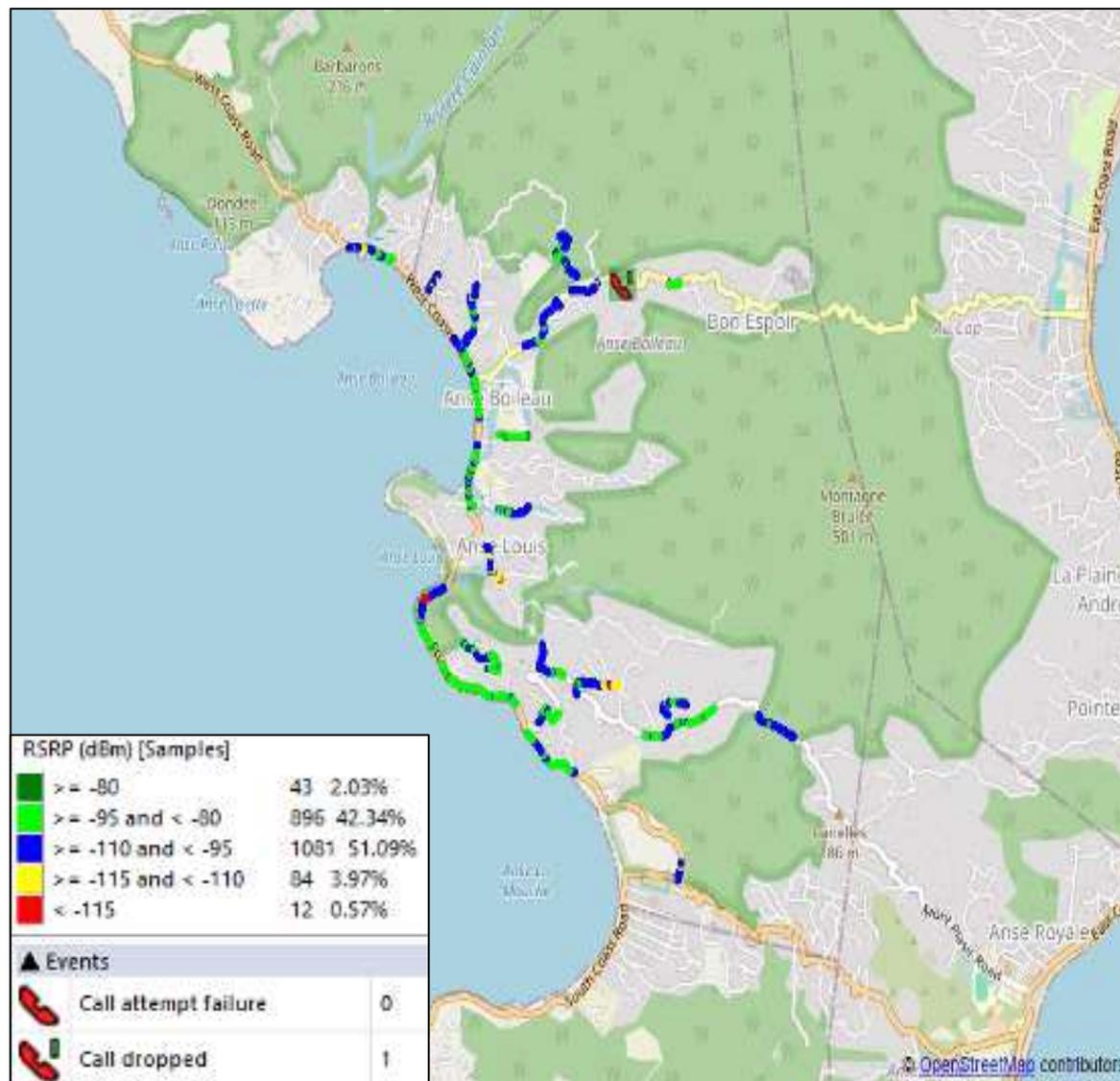
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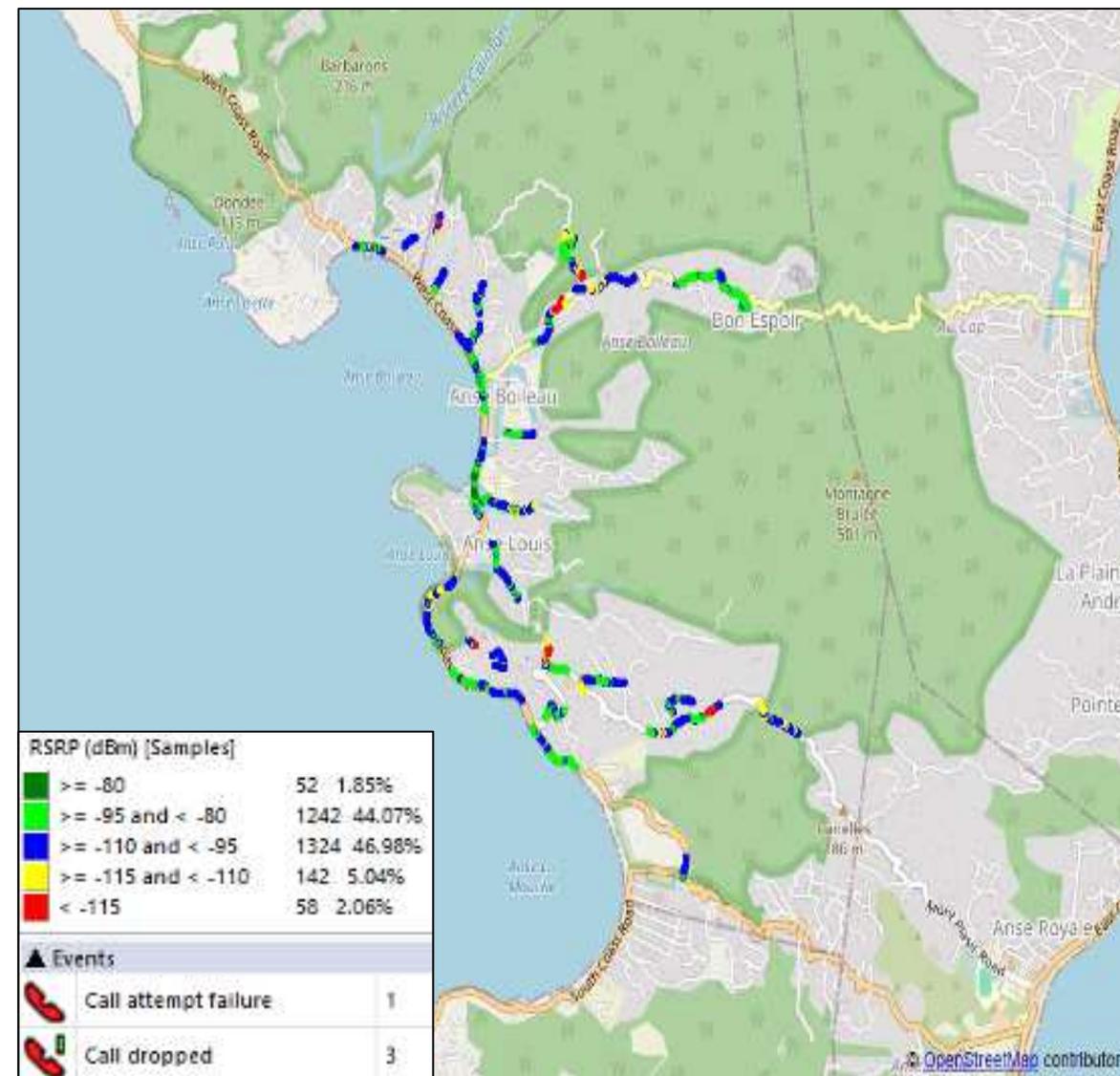
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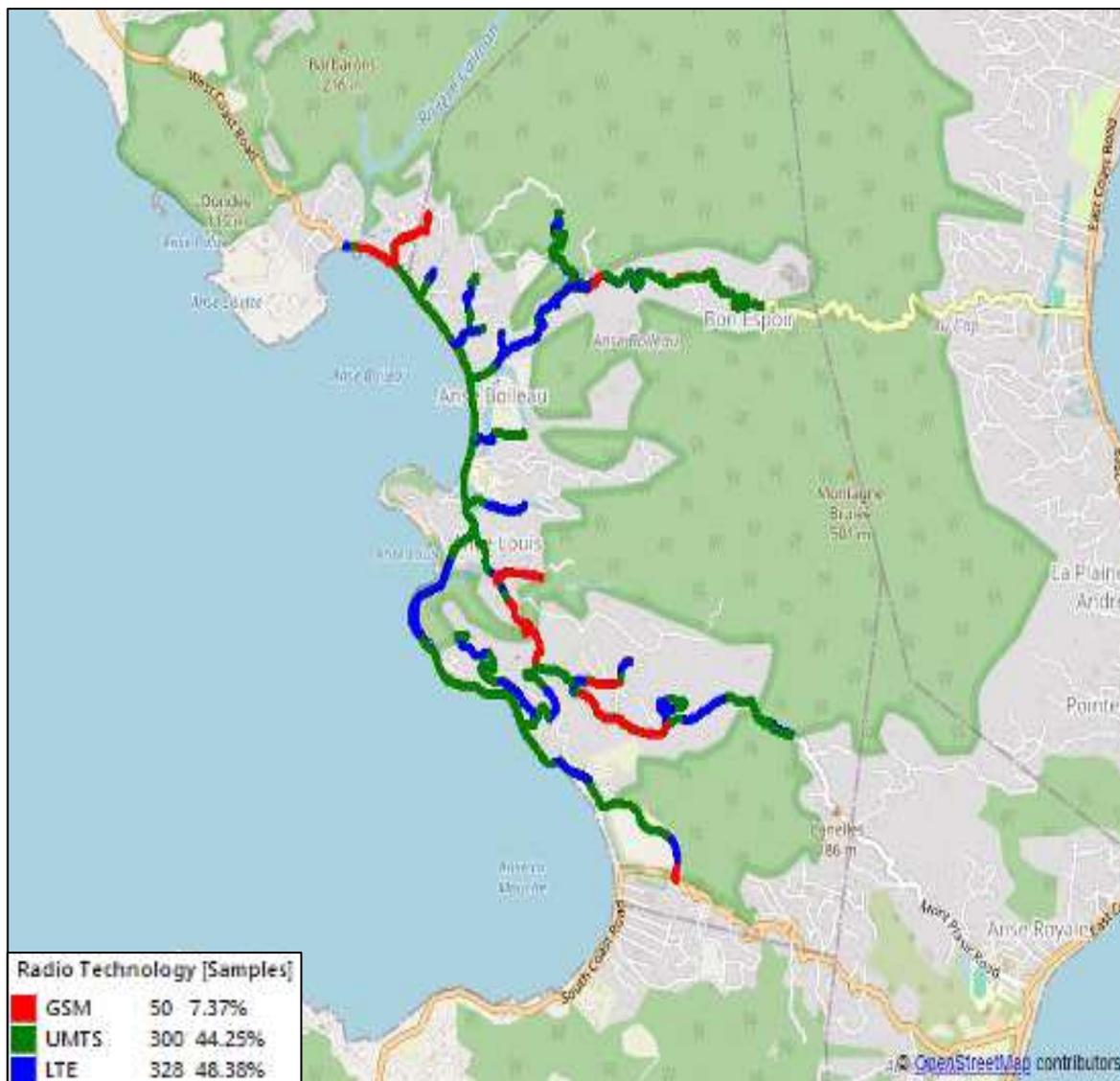


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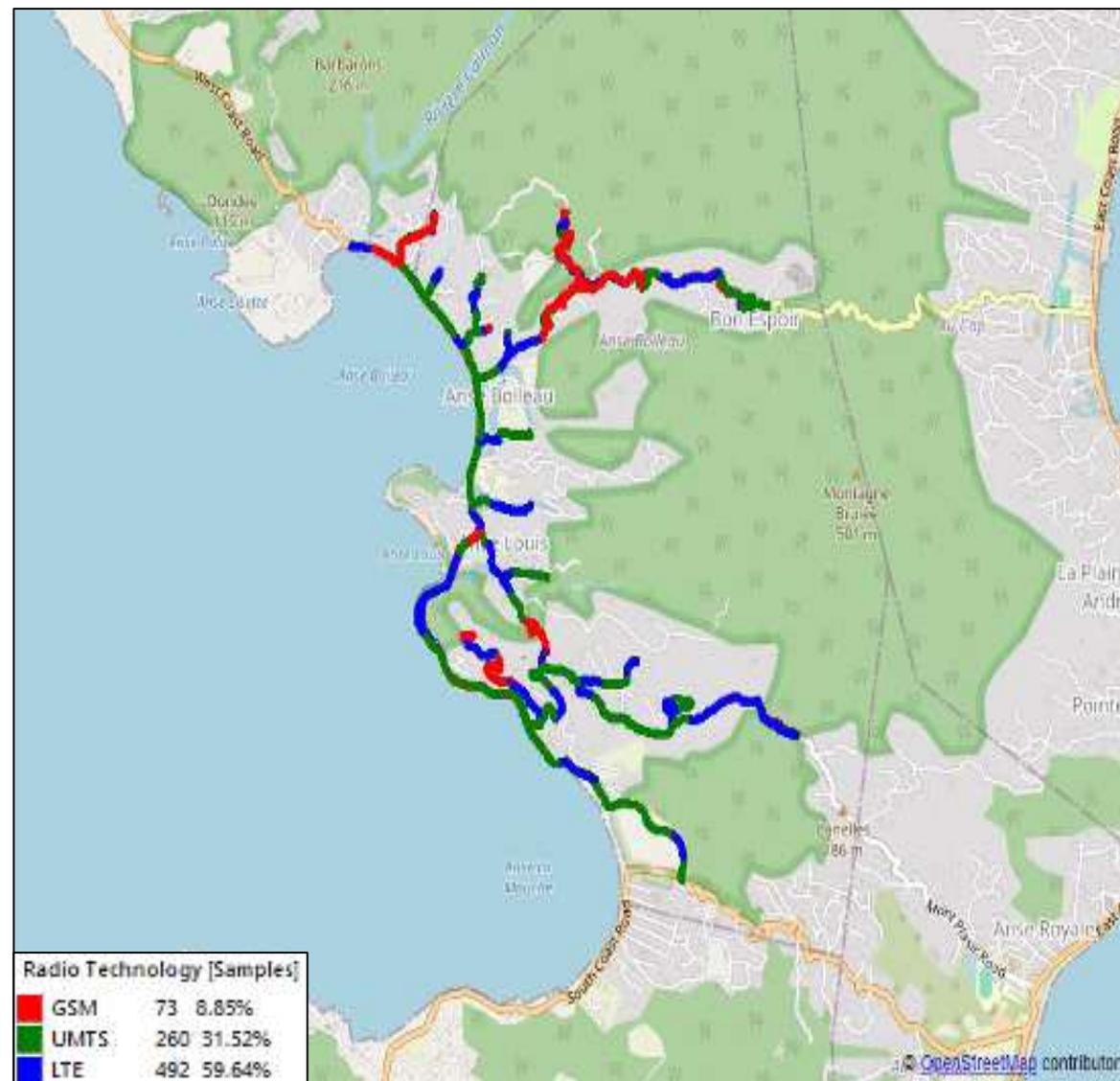


LONG CALL DRIVE PLOTS

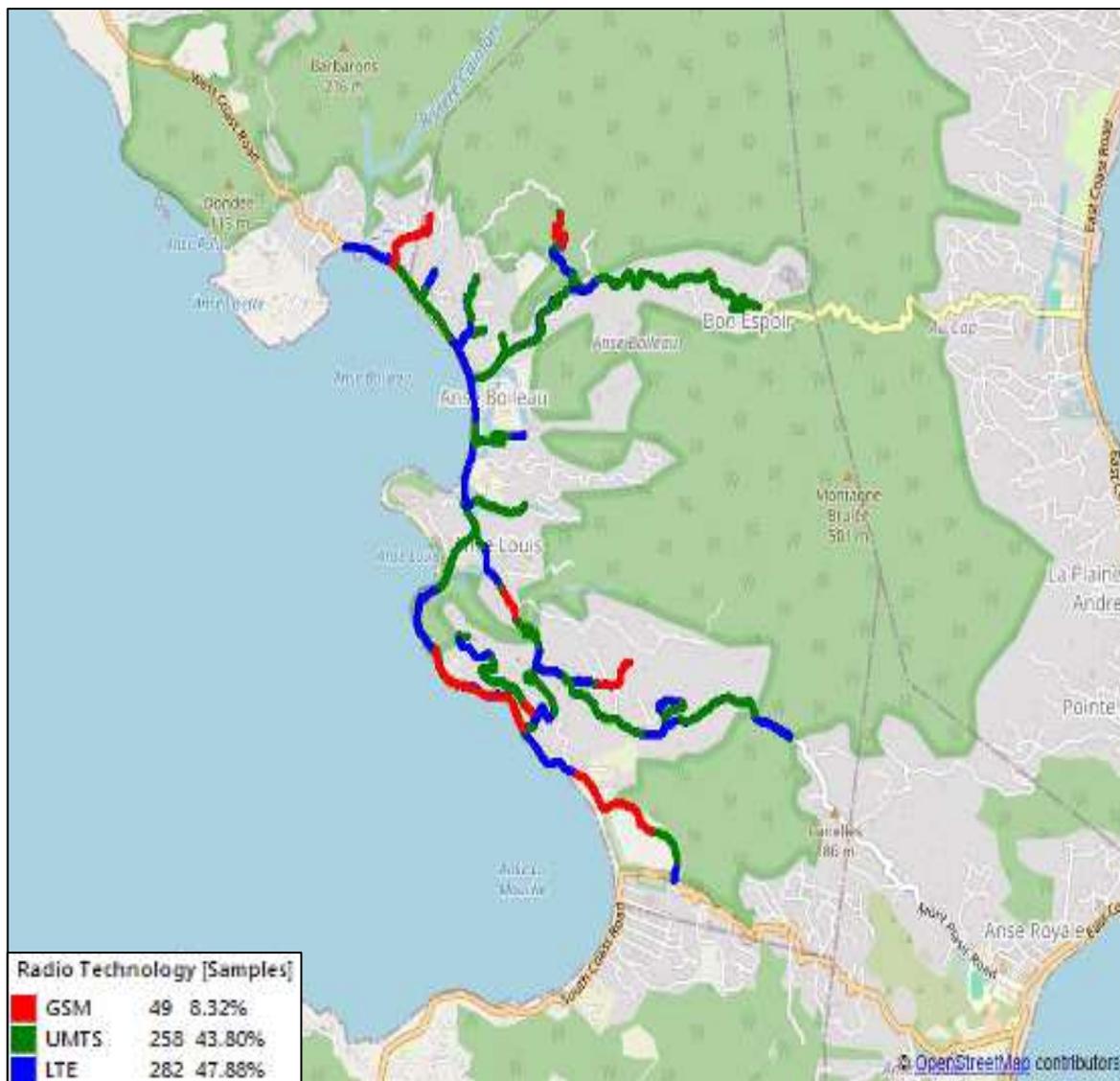
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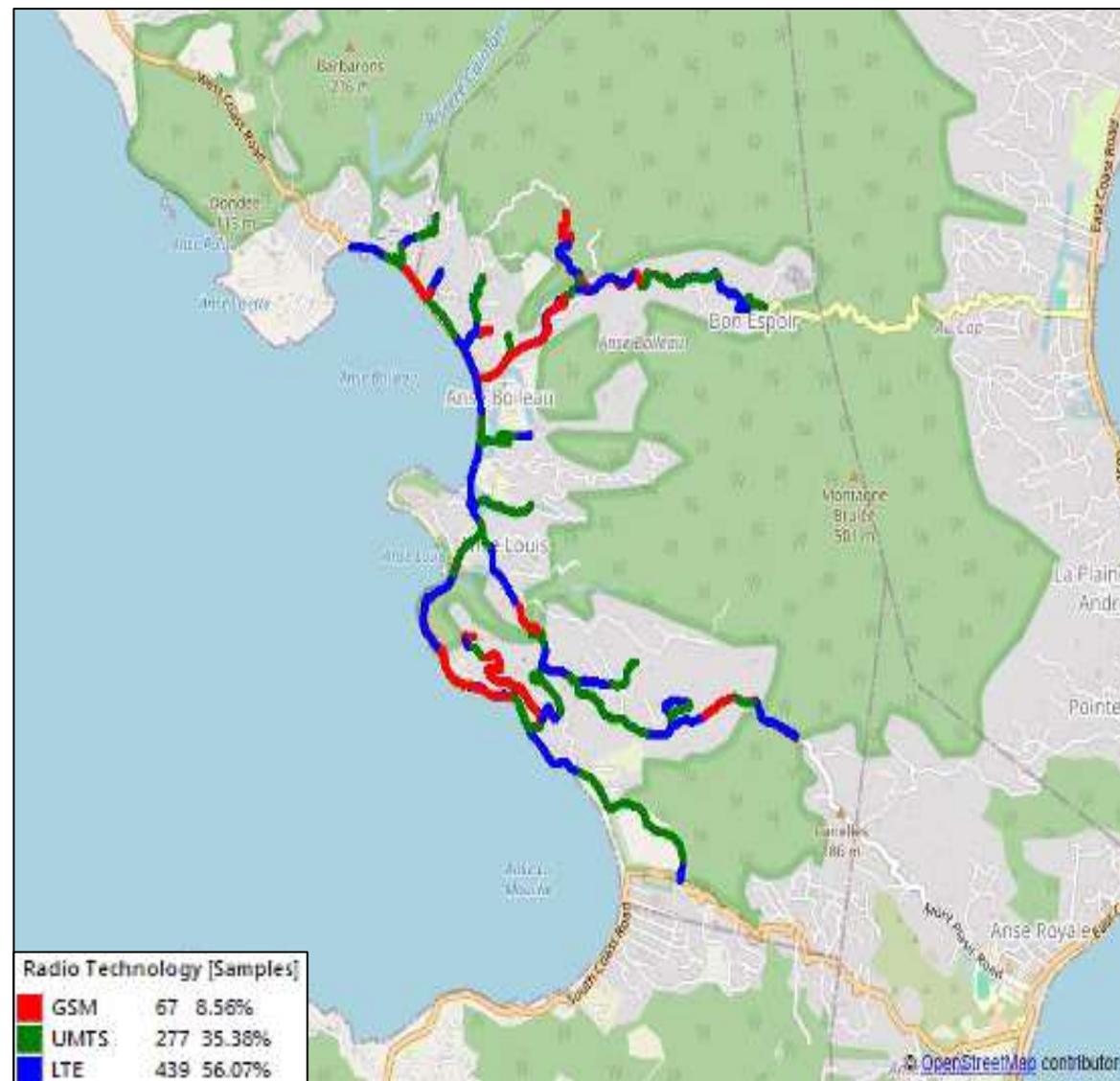
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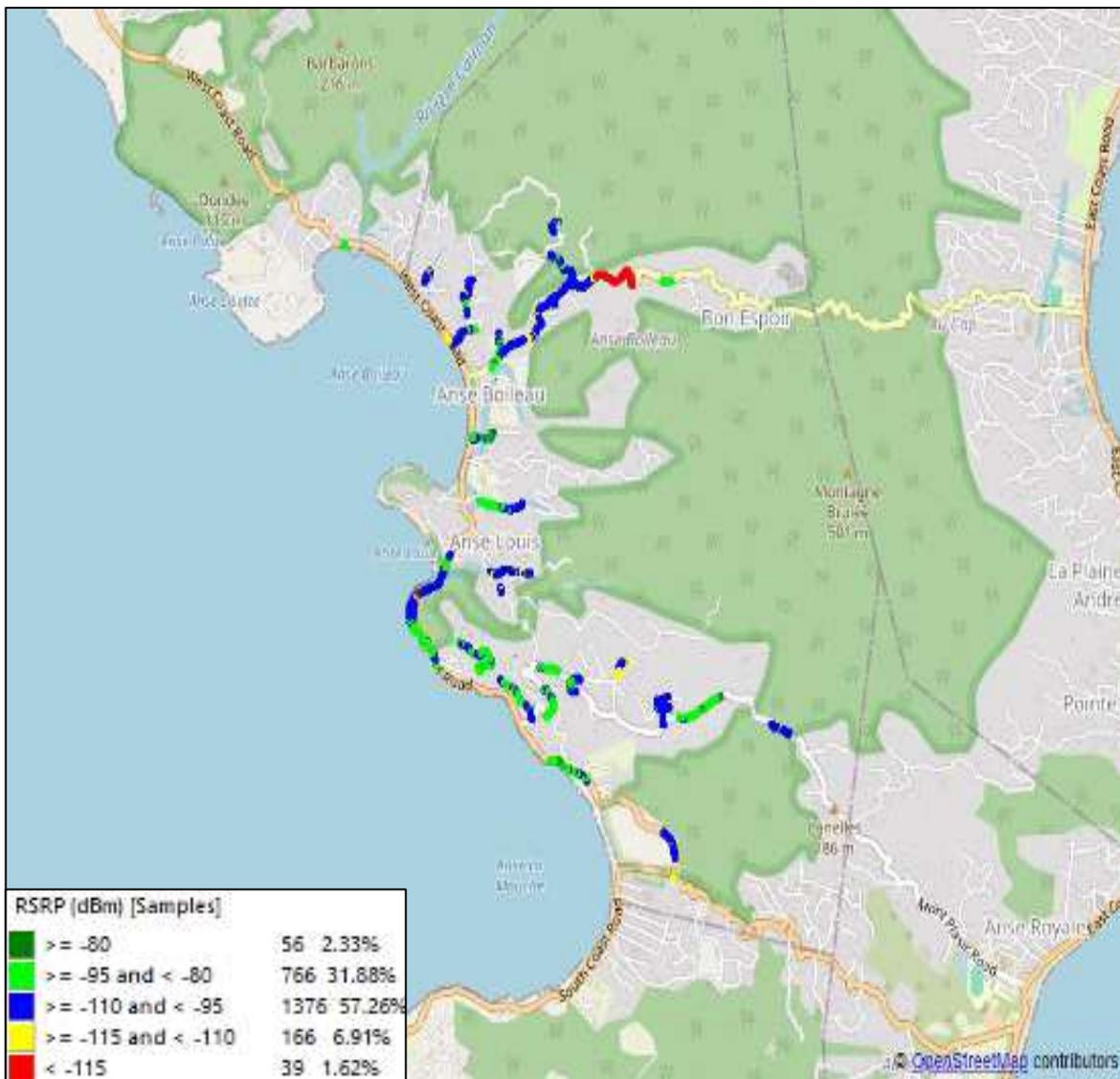
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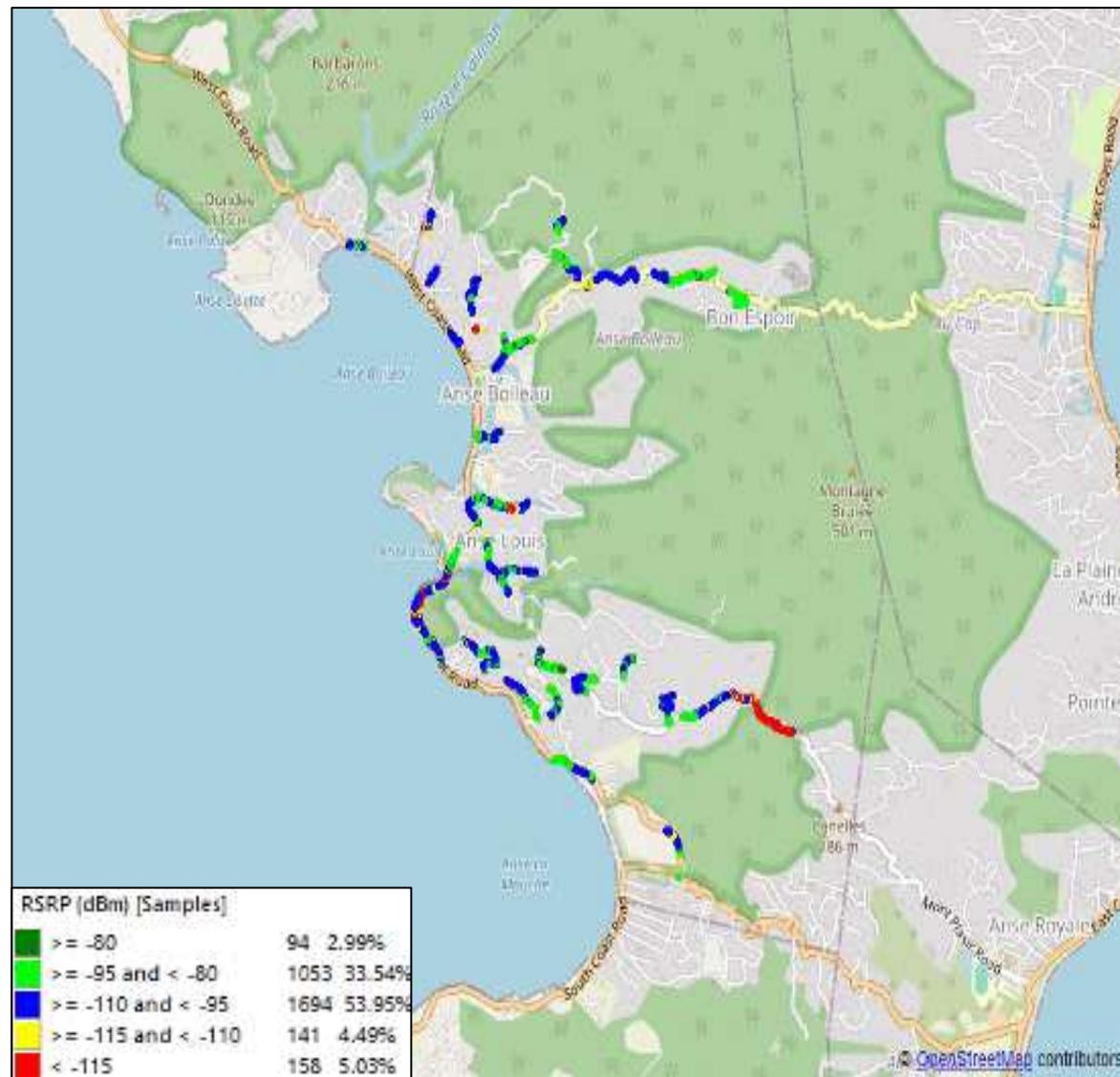
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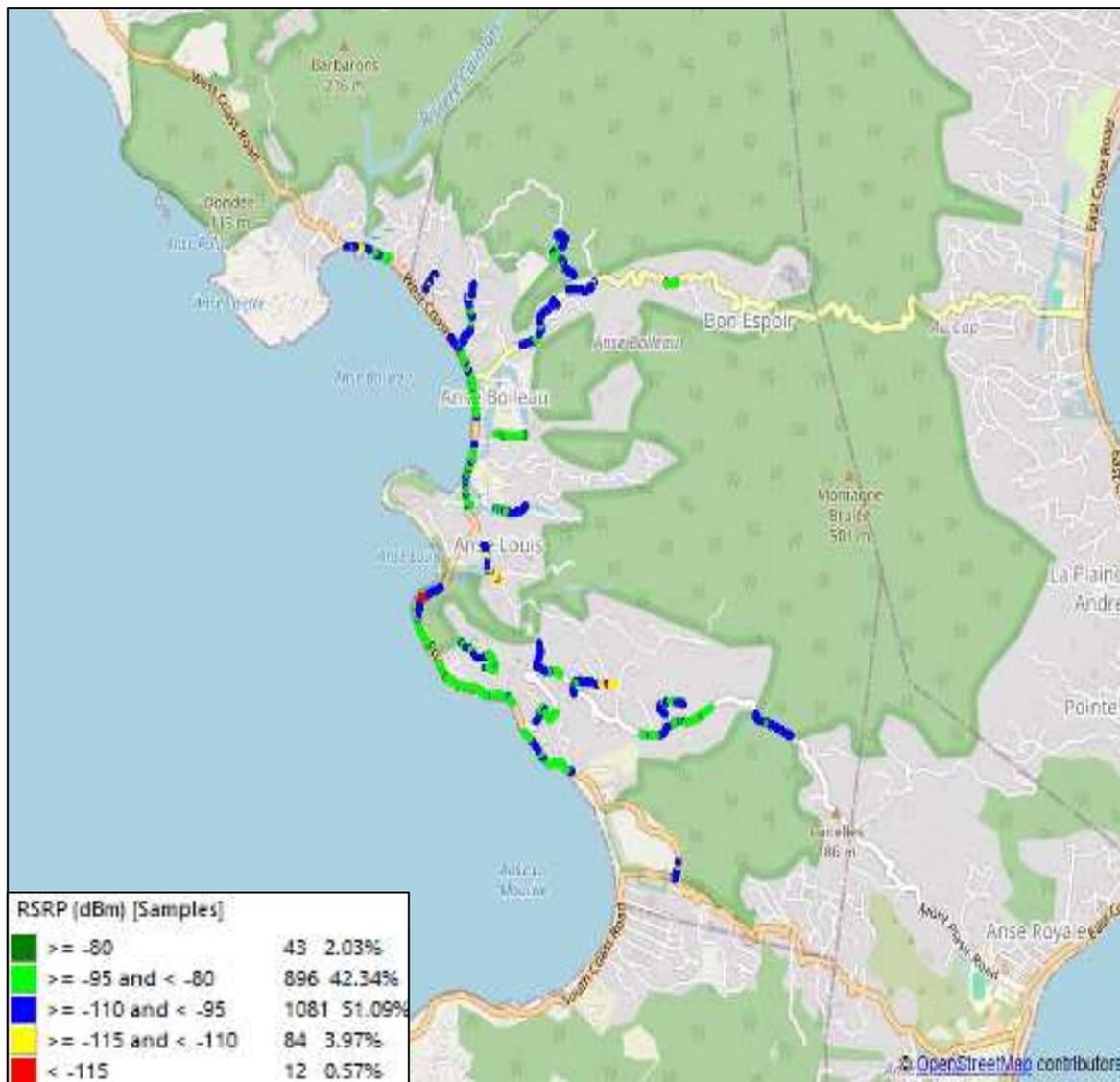
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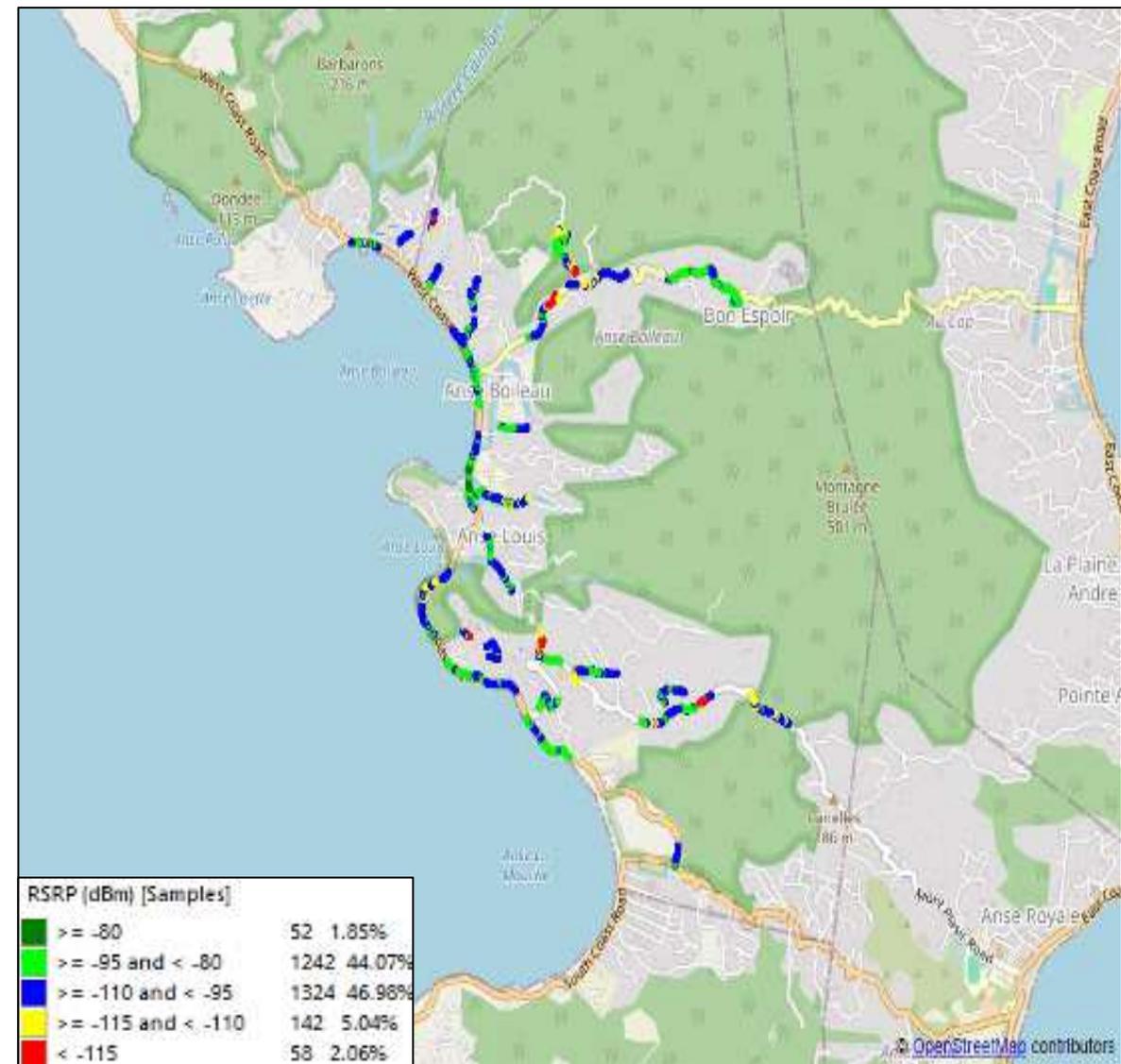
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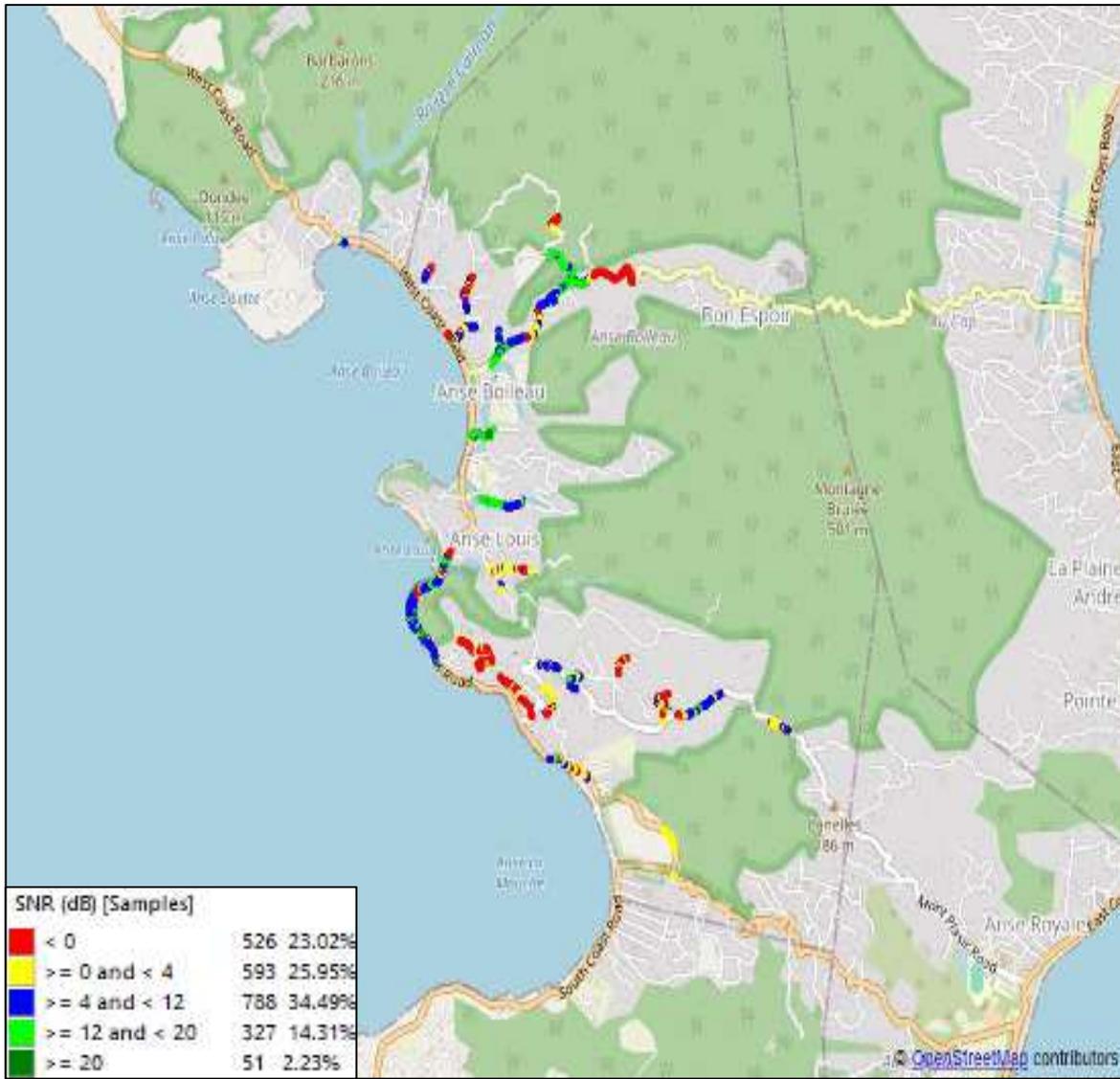
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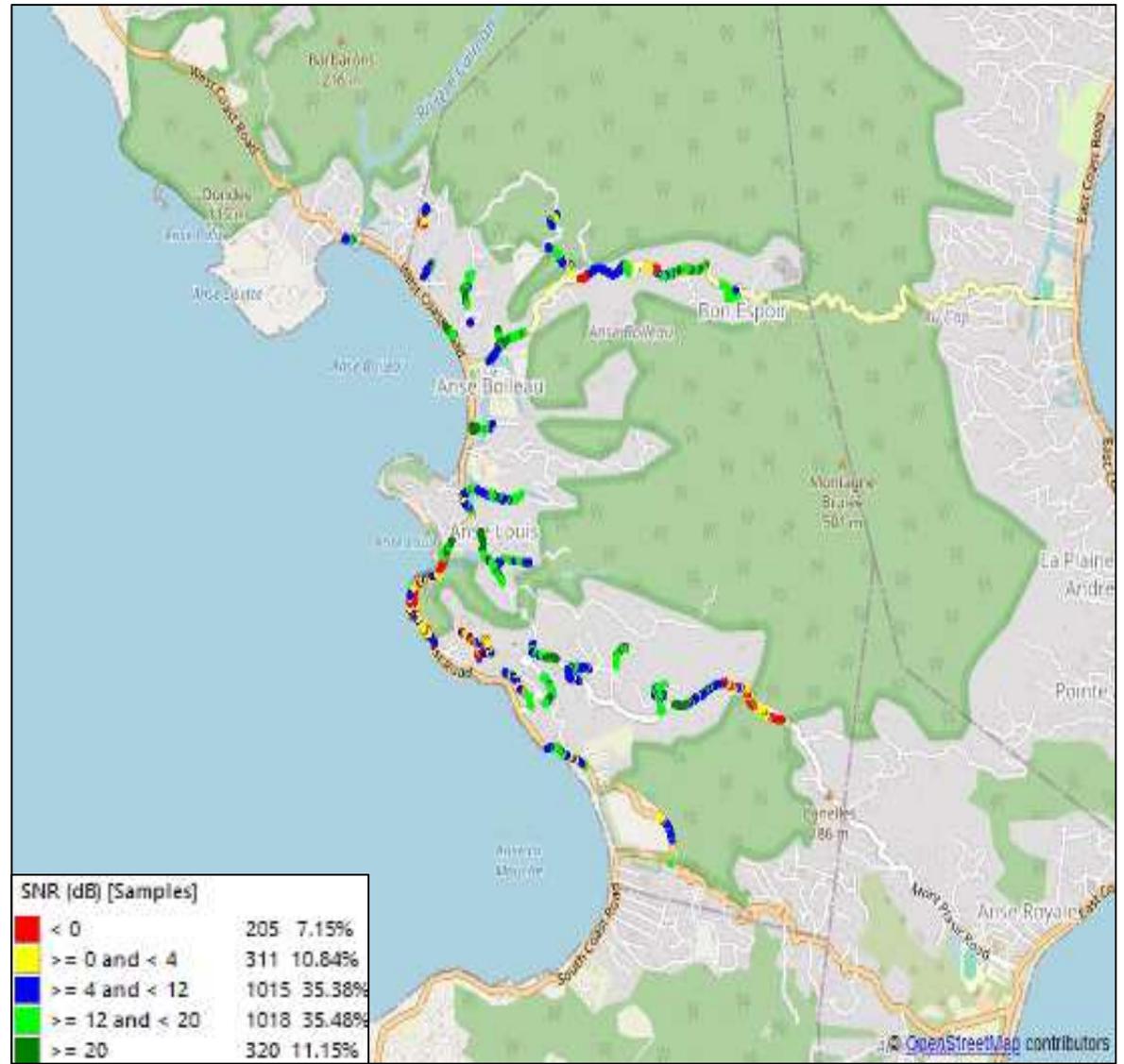
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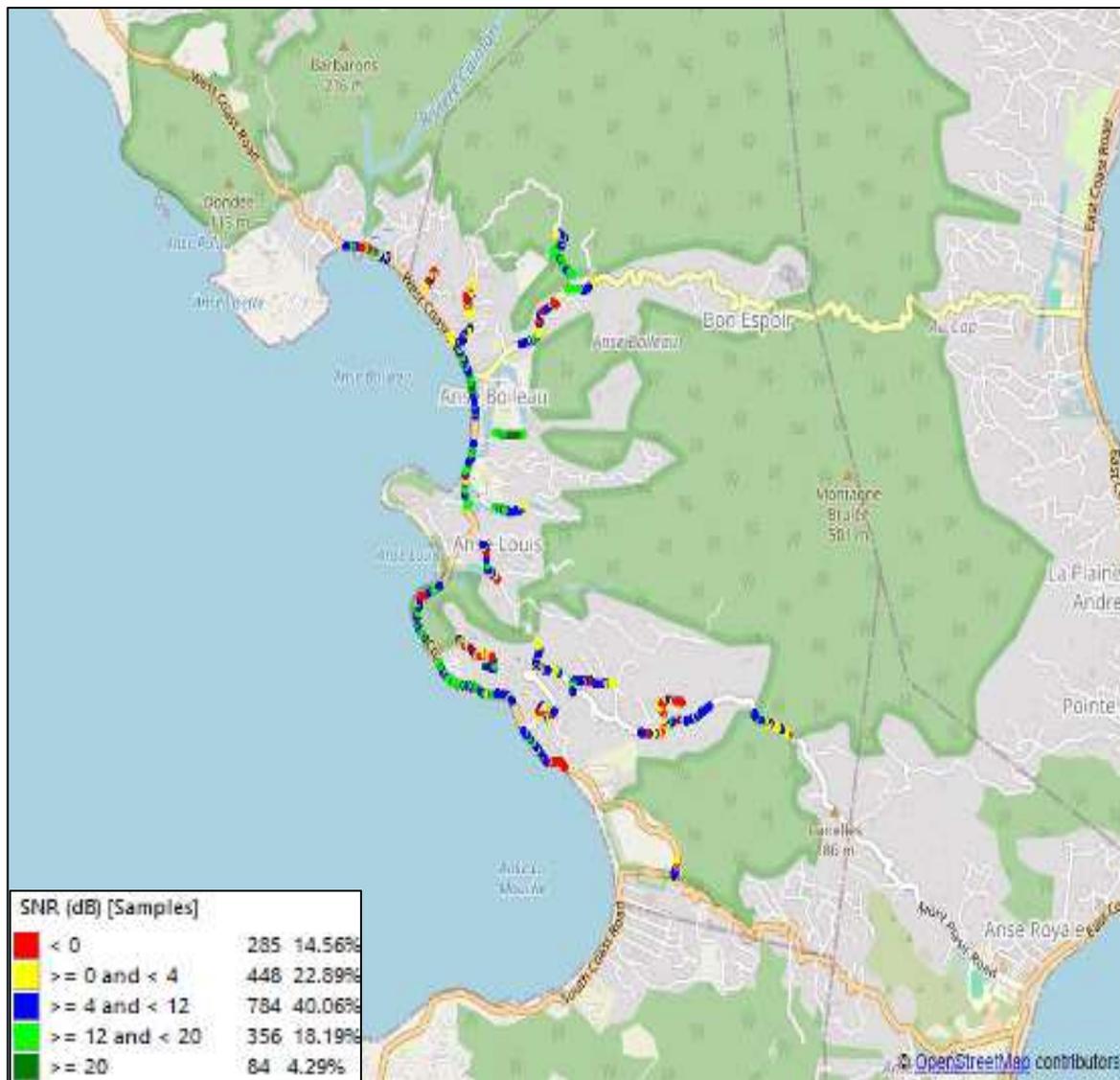
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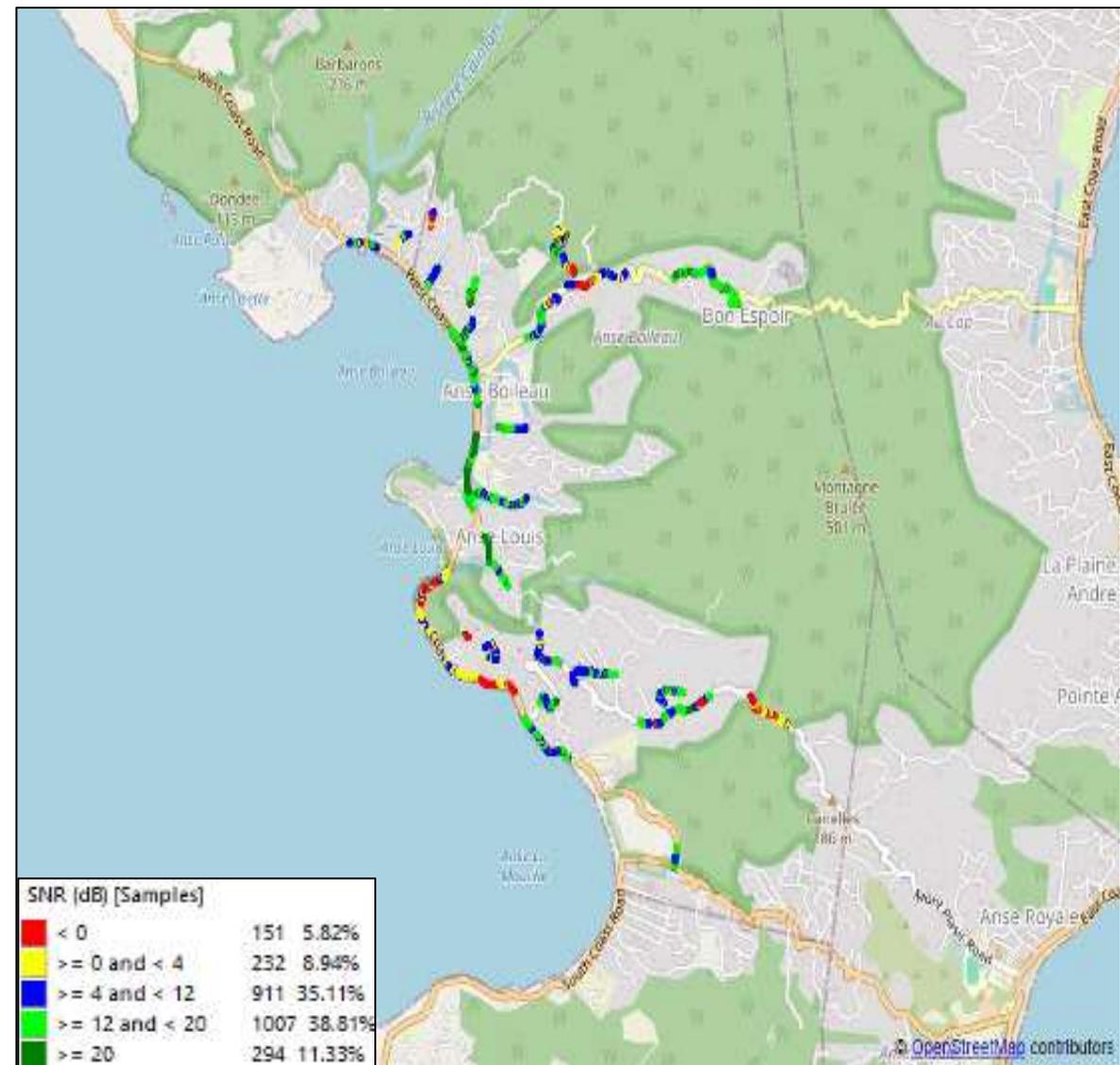
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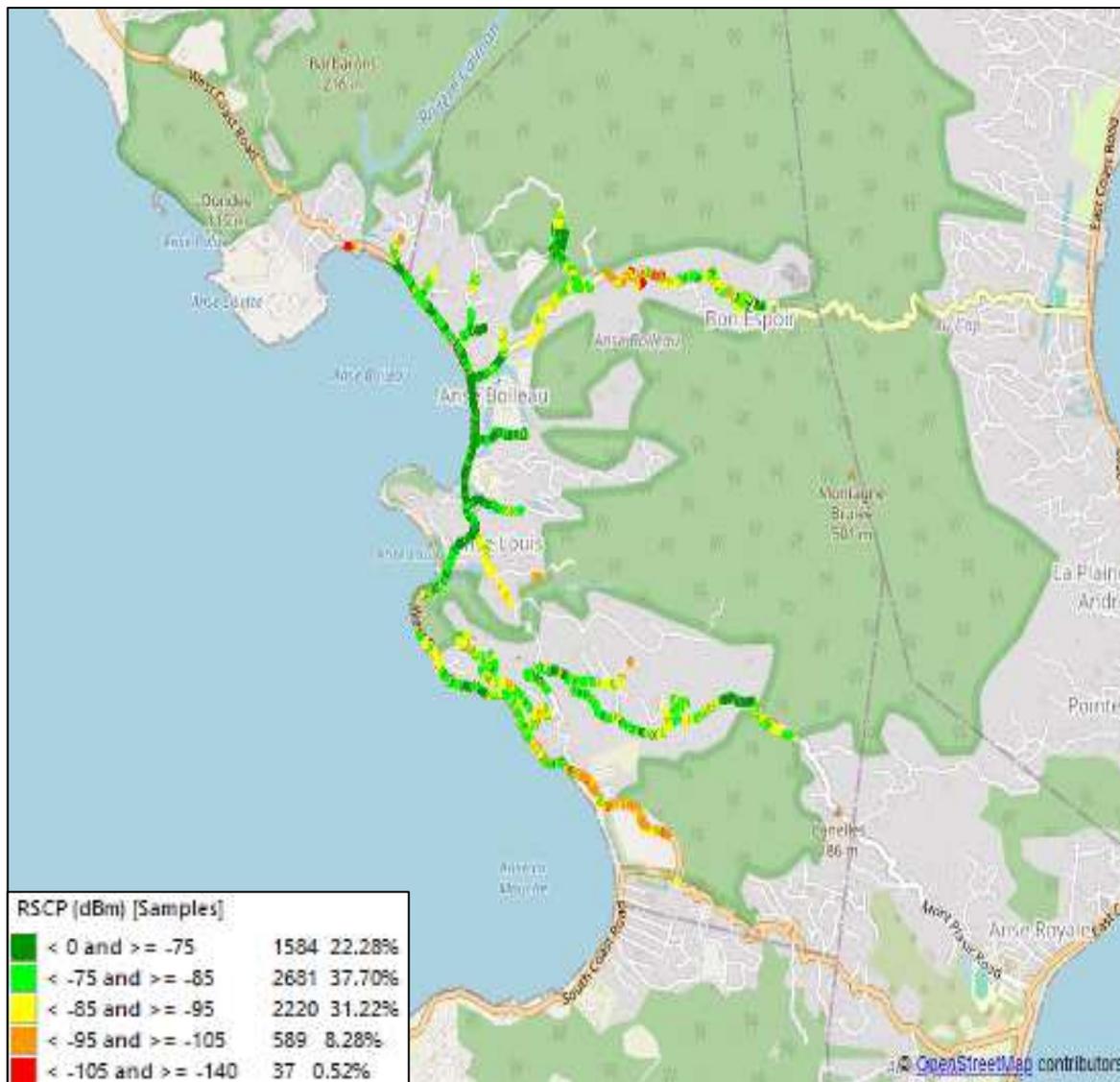
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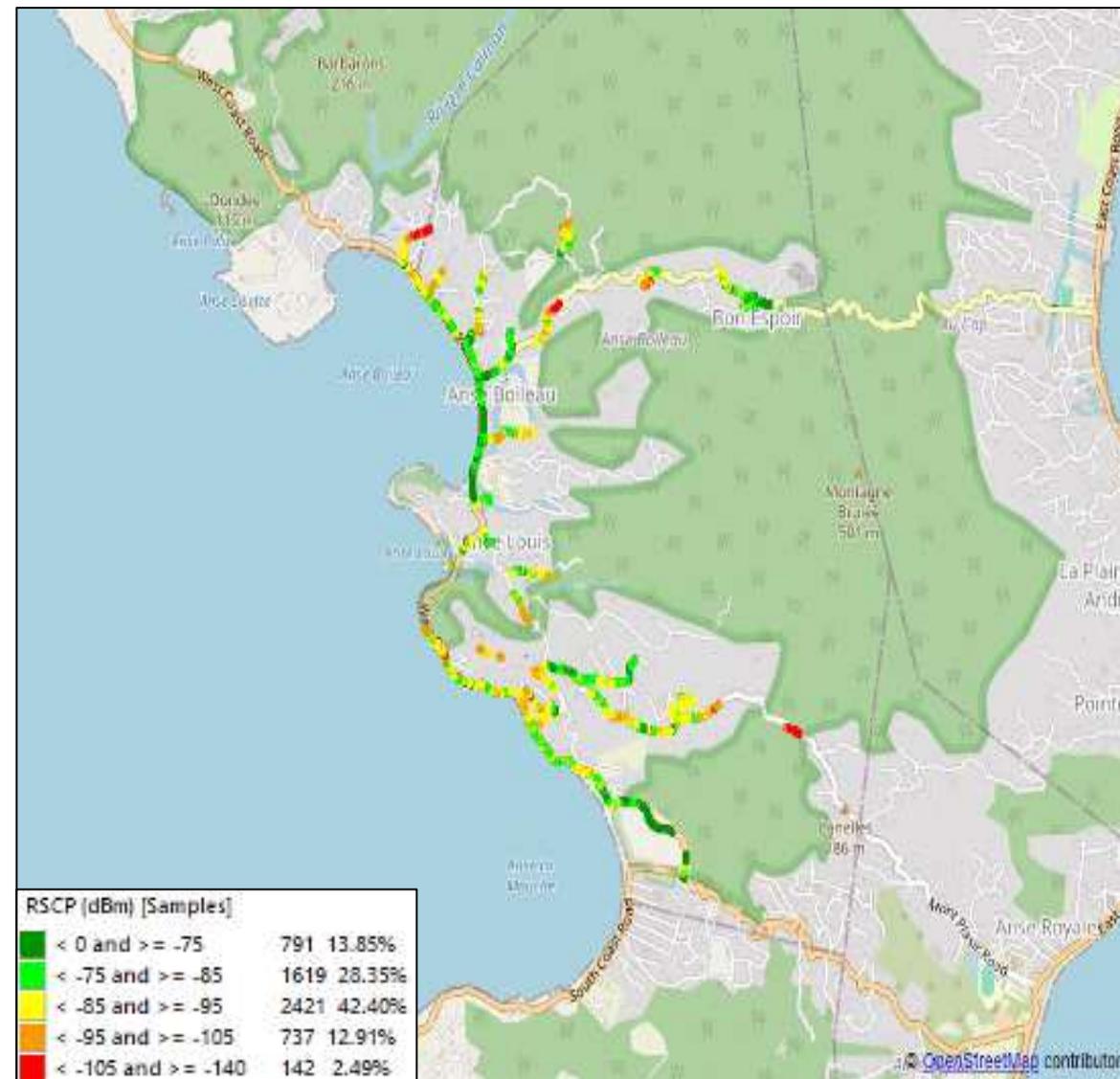
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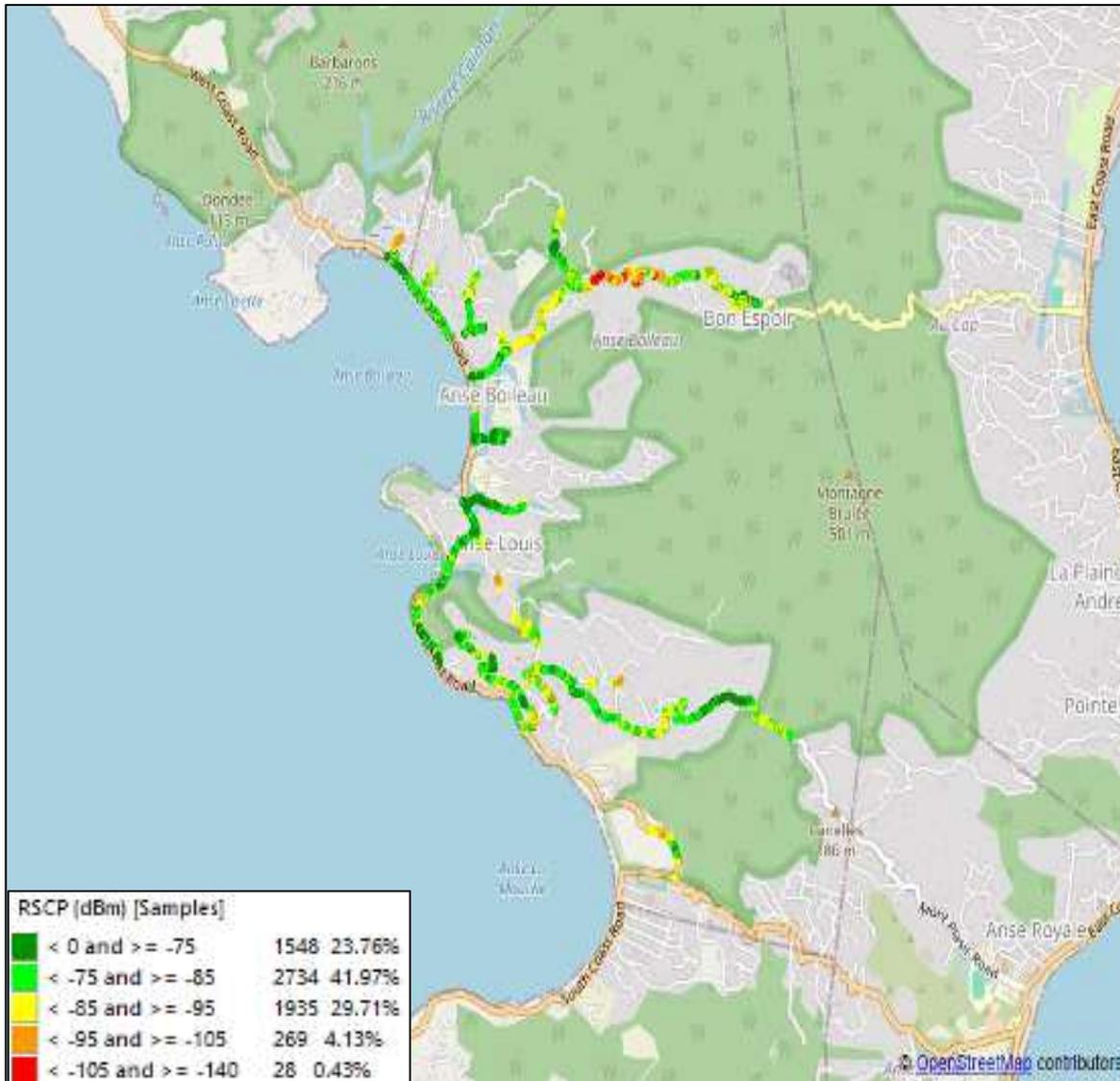
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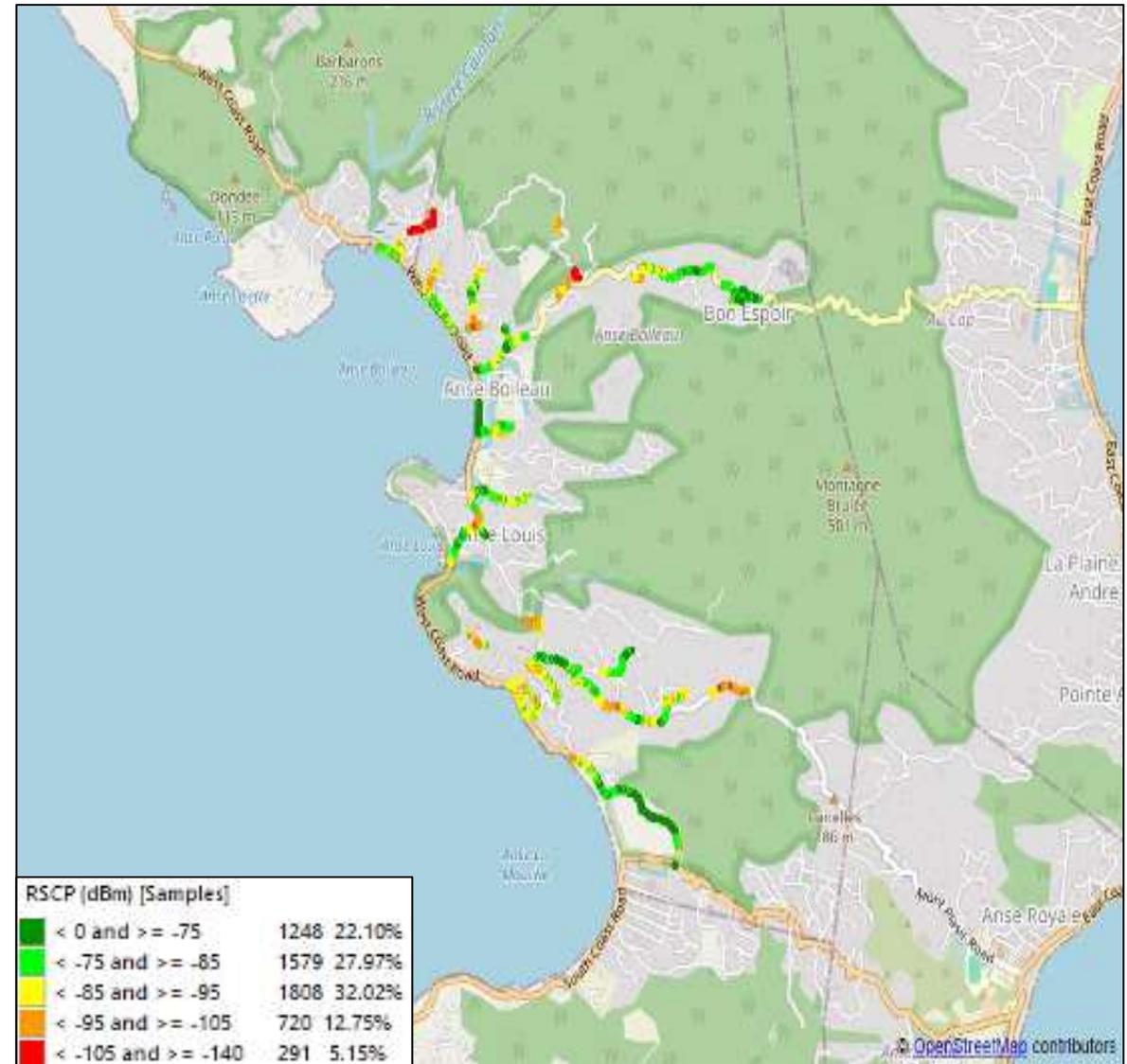
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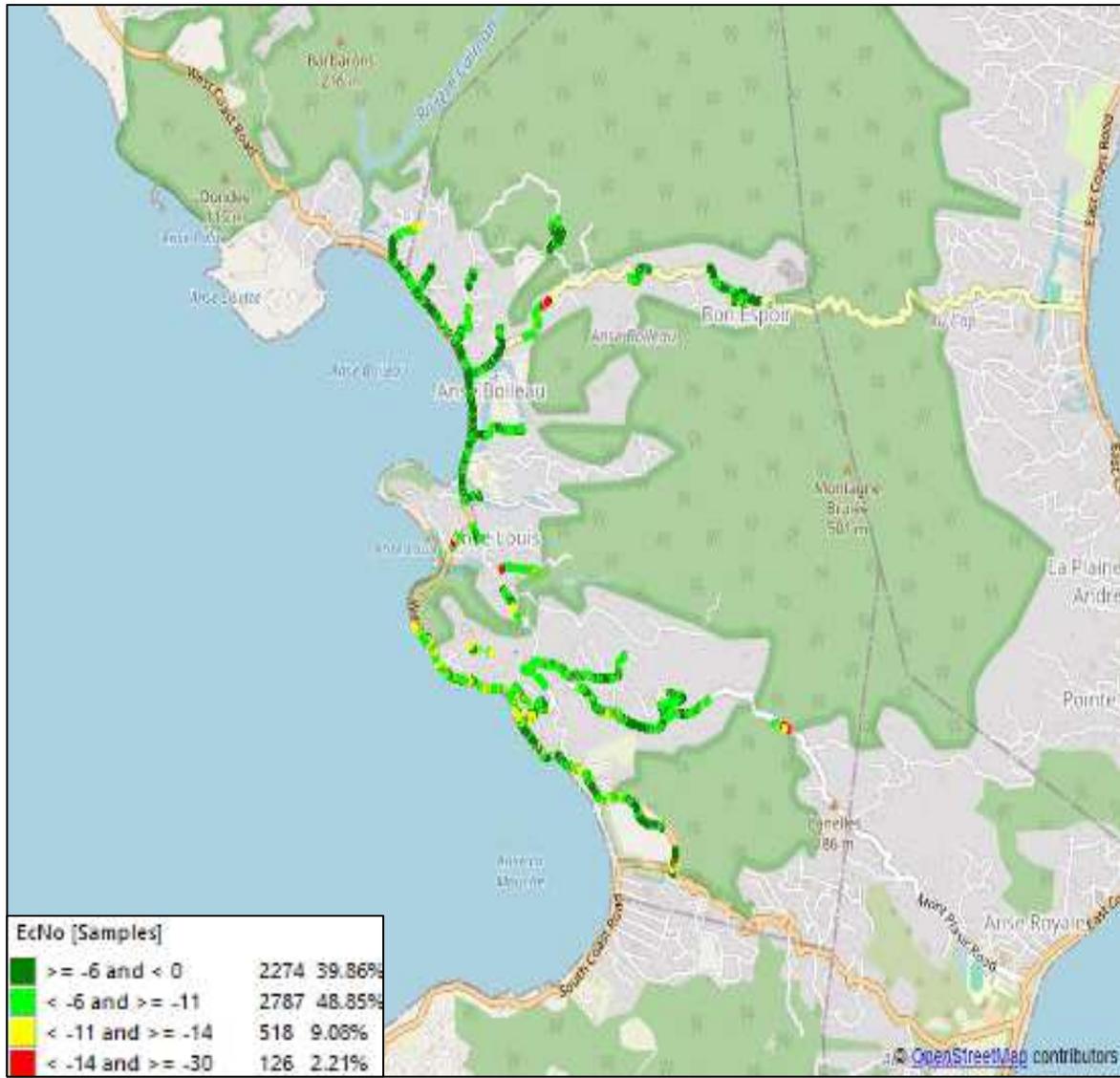
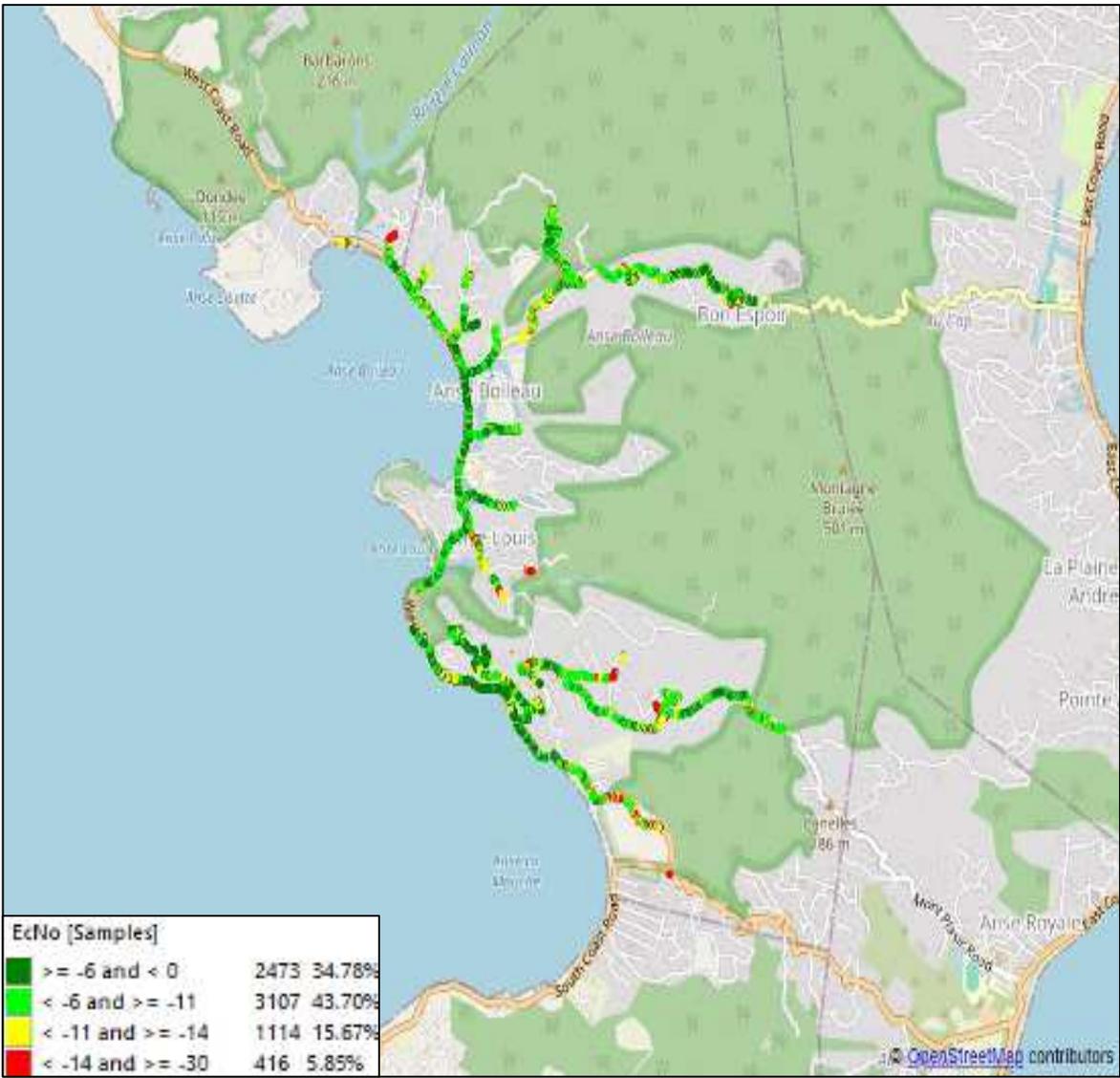


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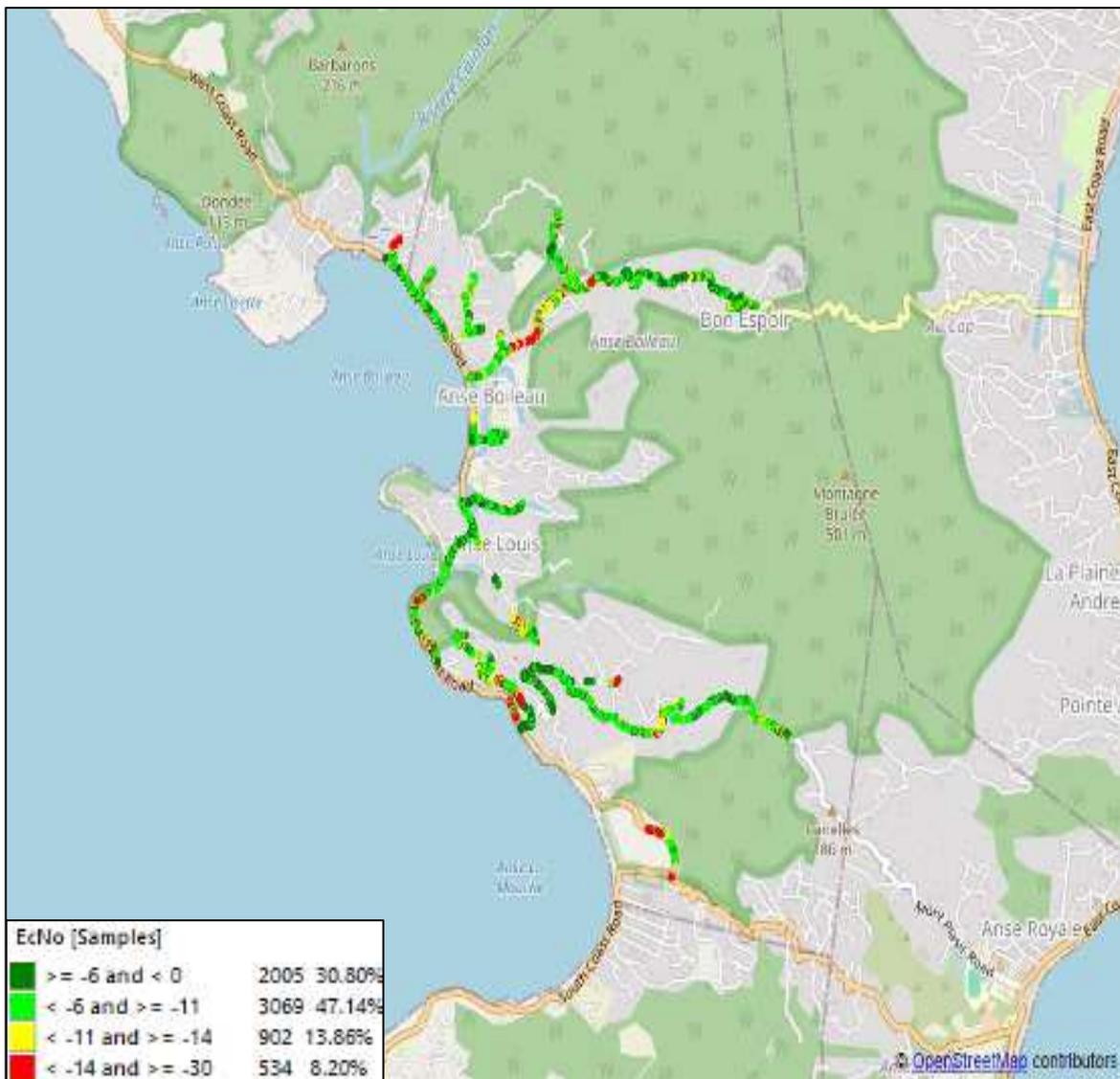


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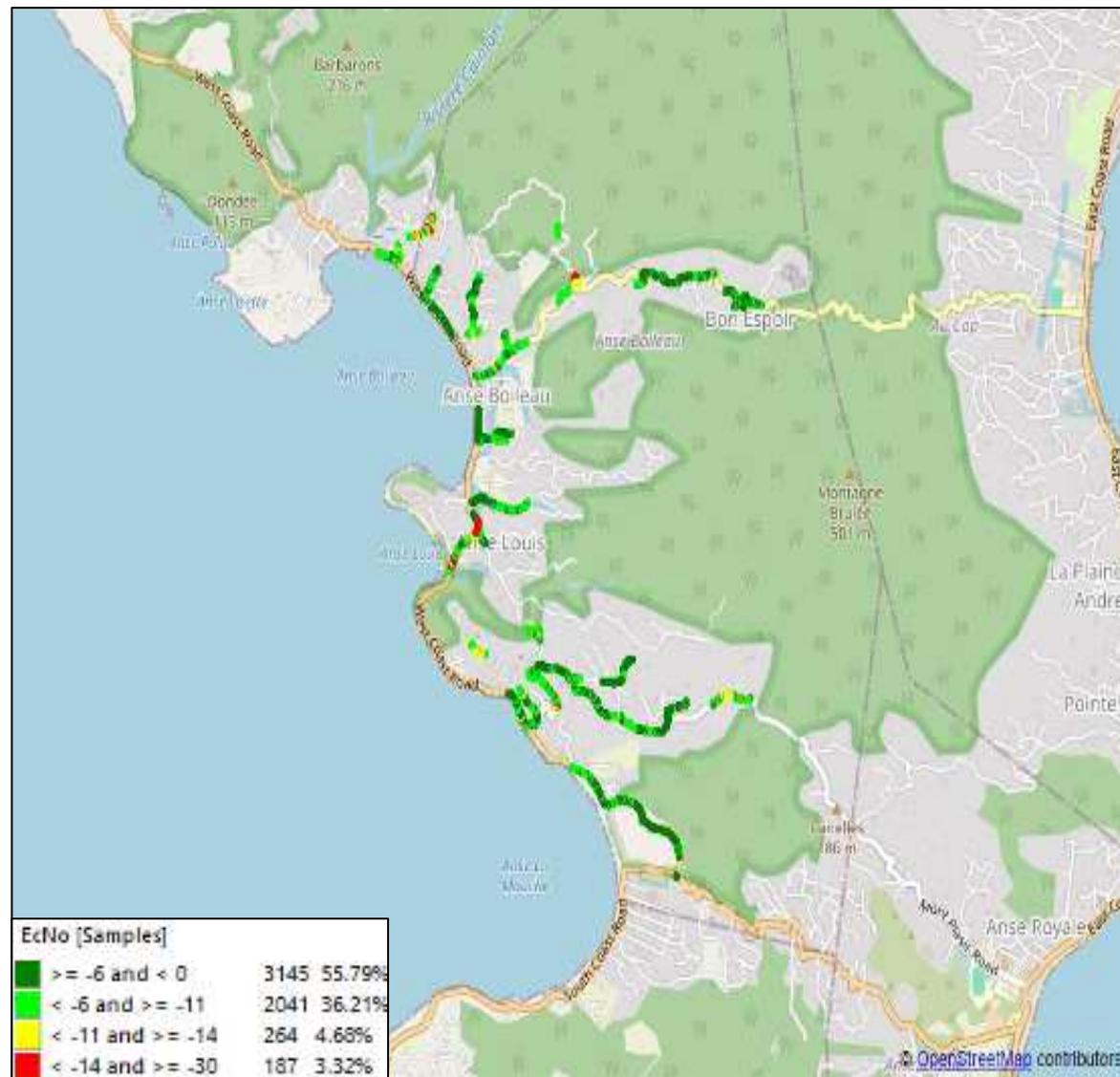
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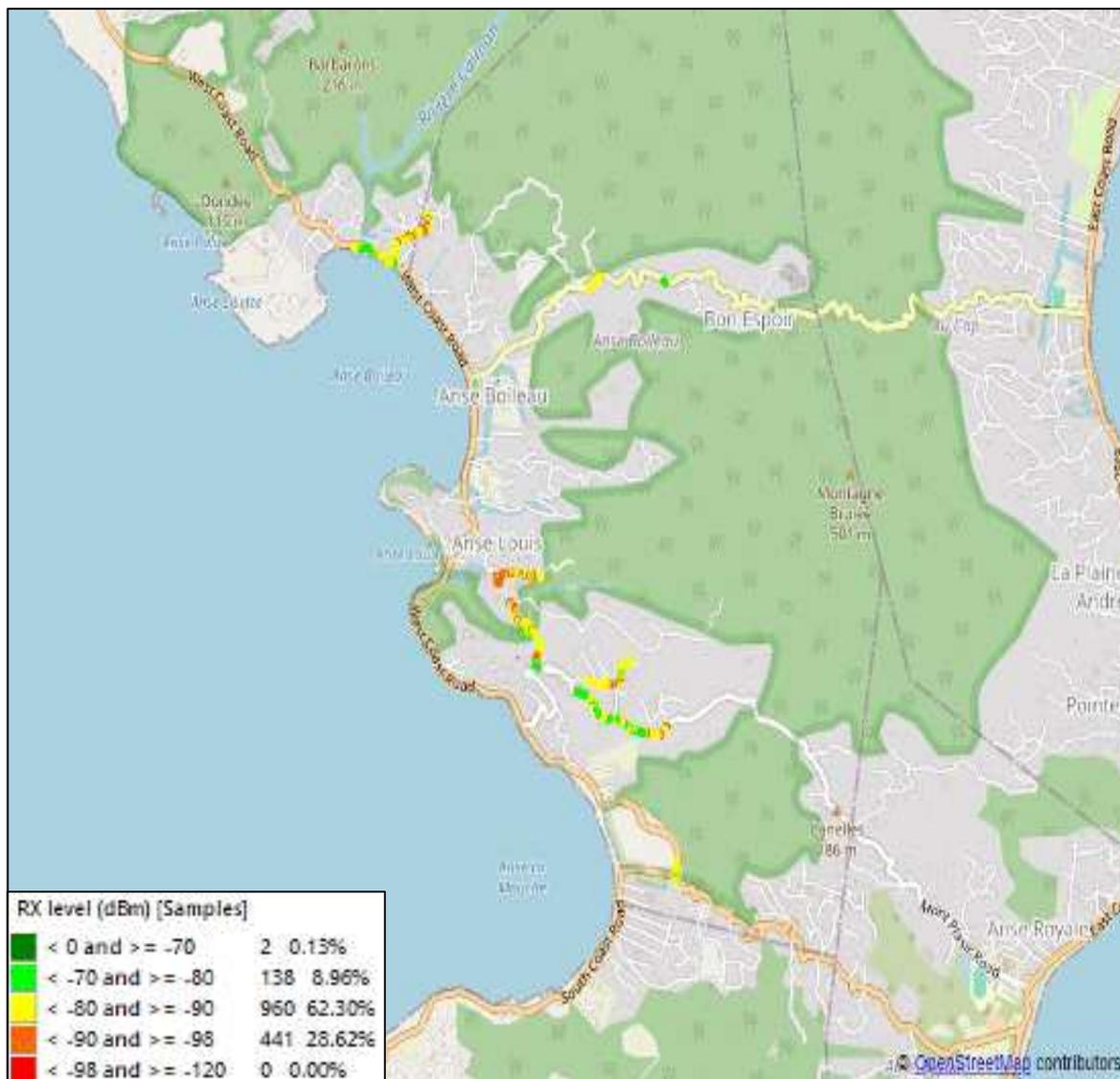
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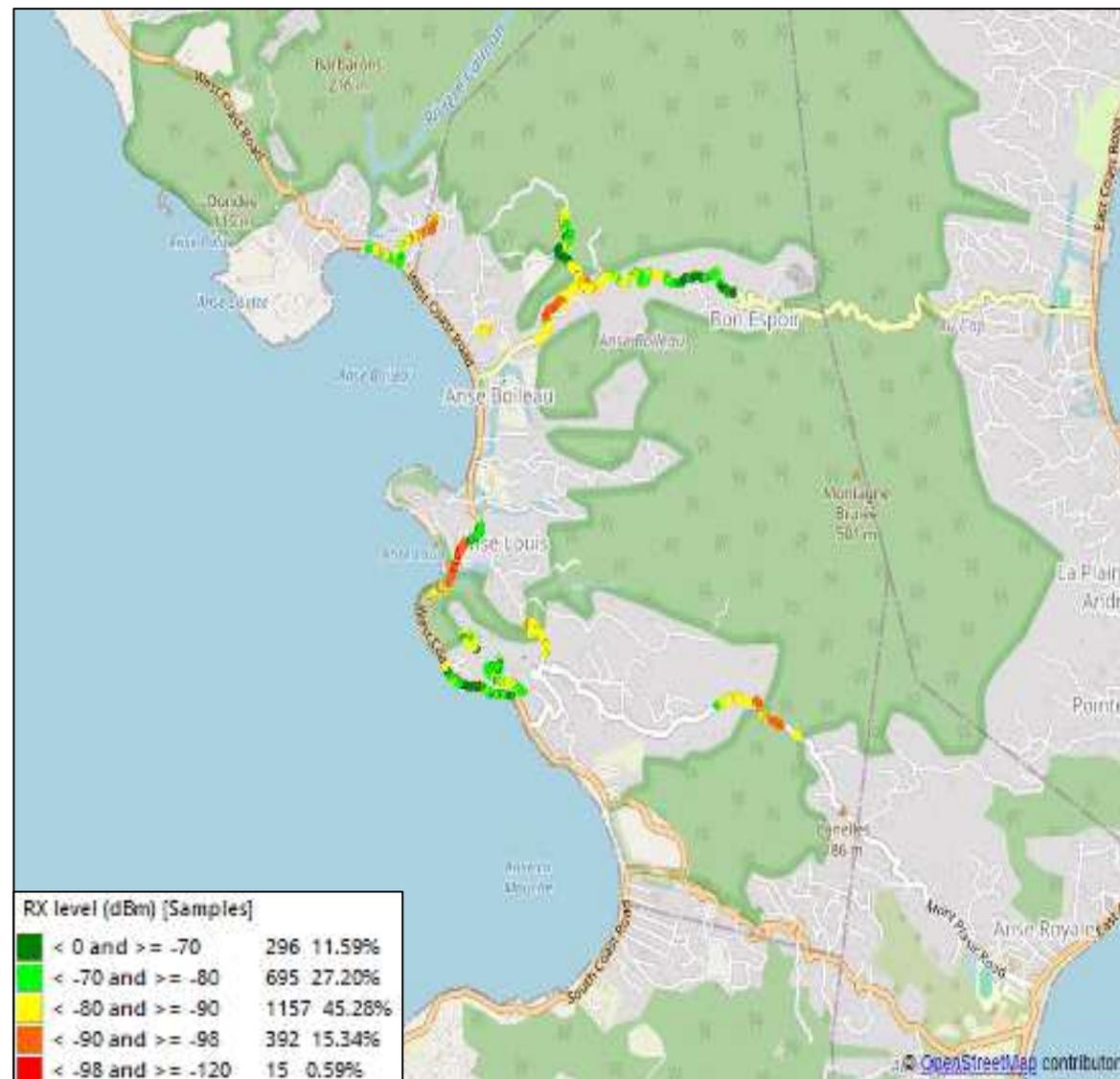
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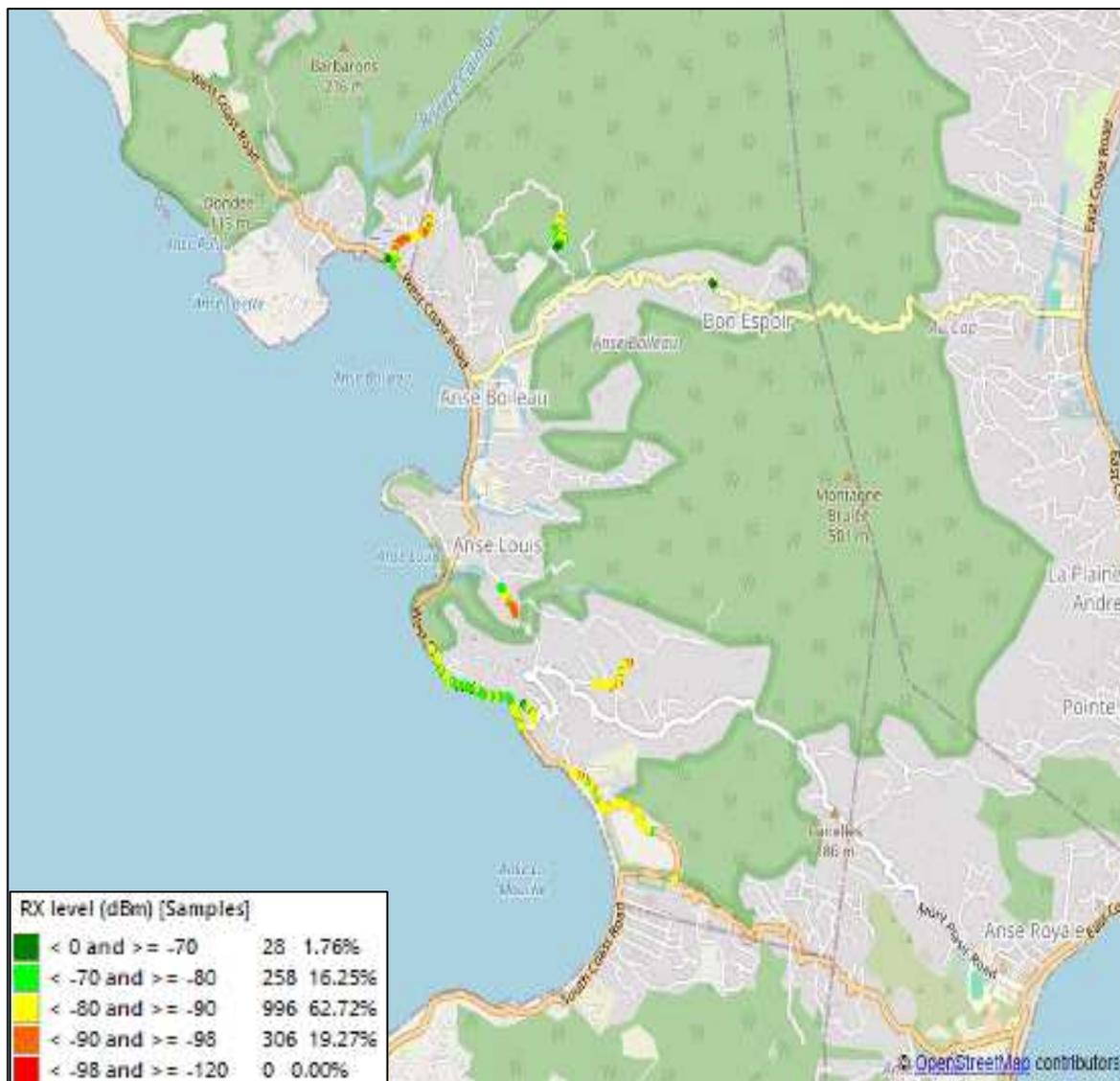
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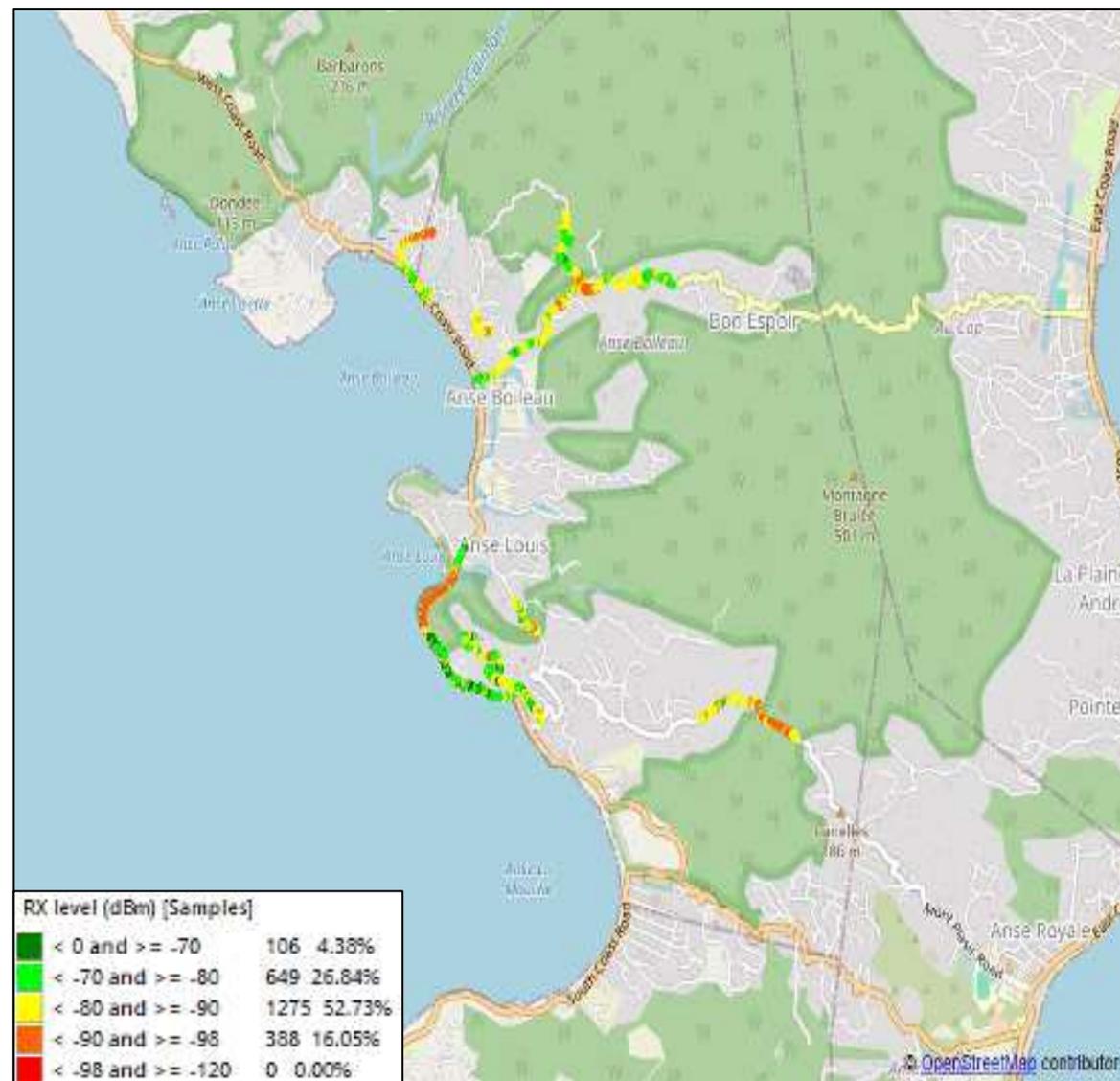
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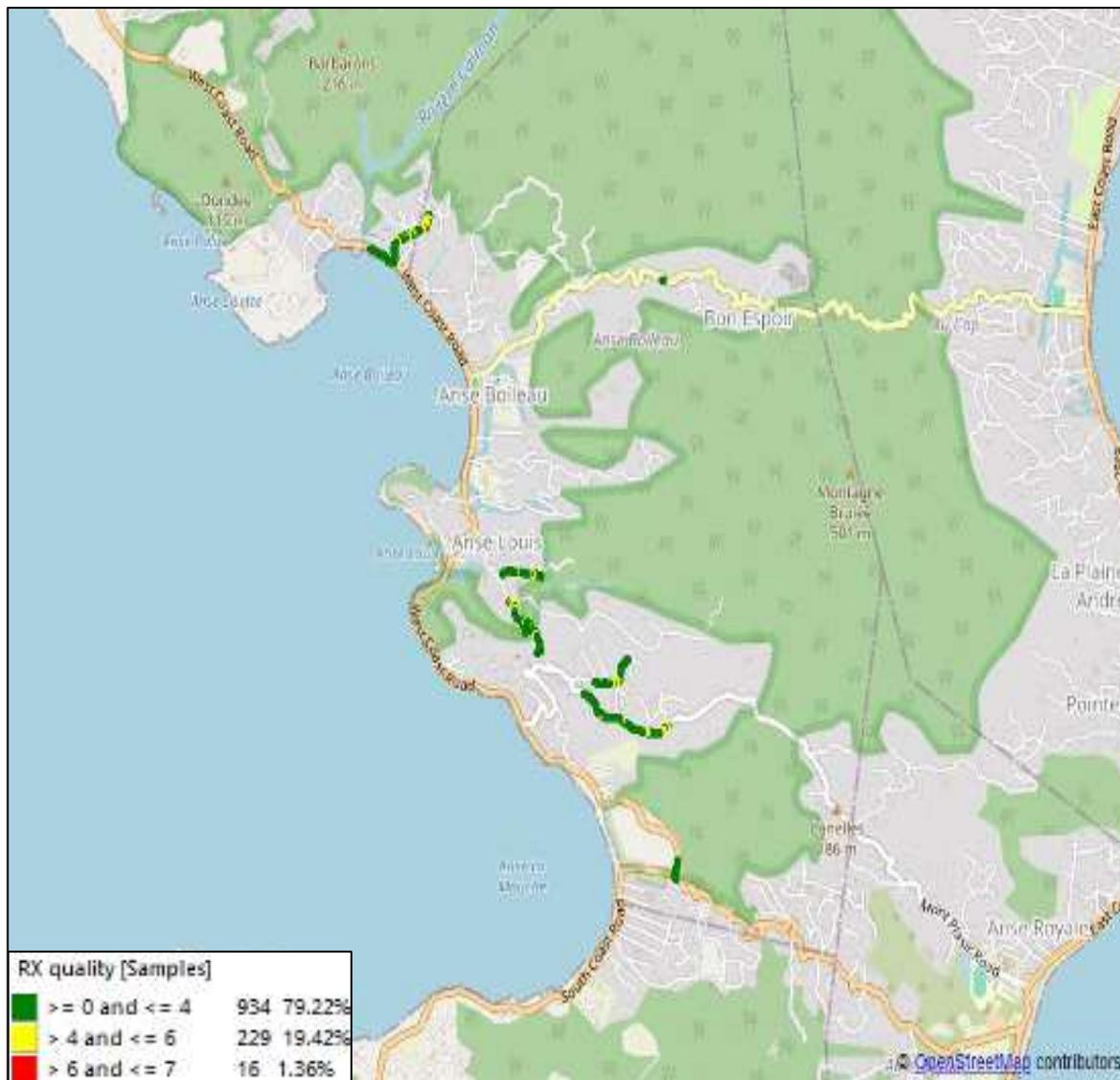
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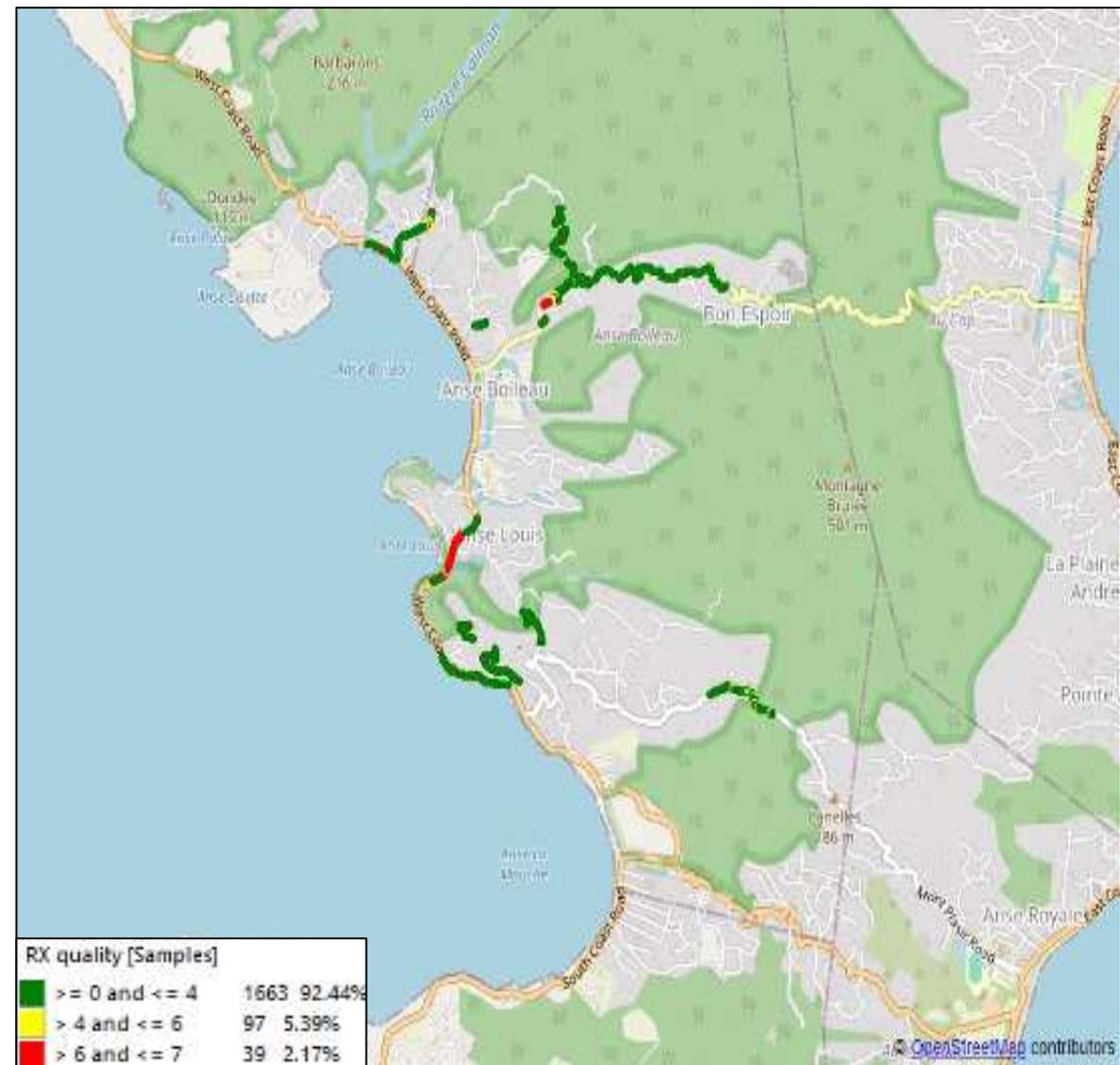
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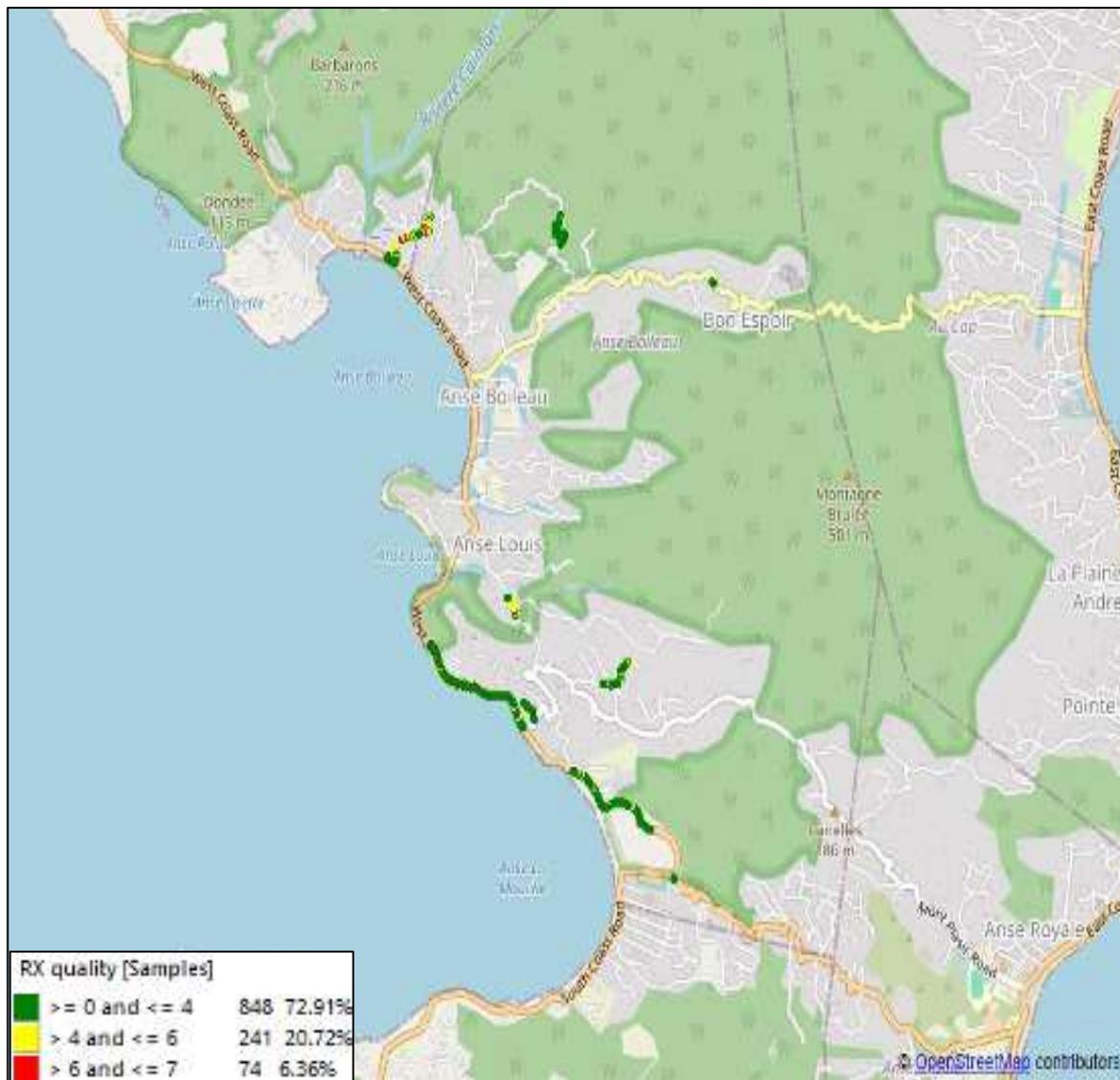
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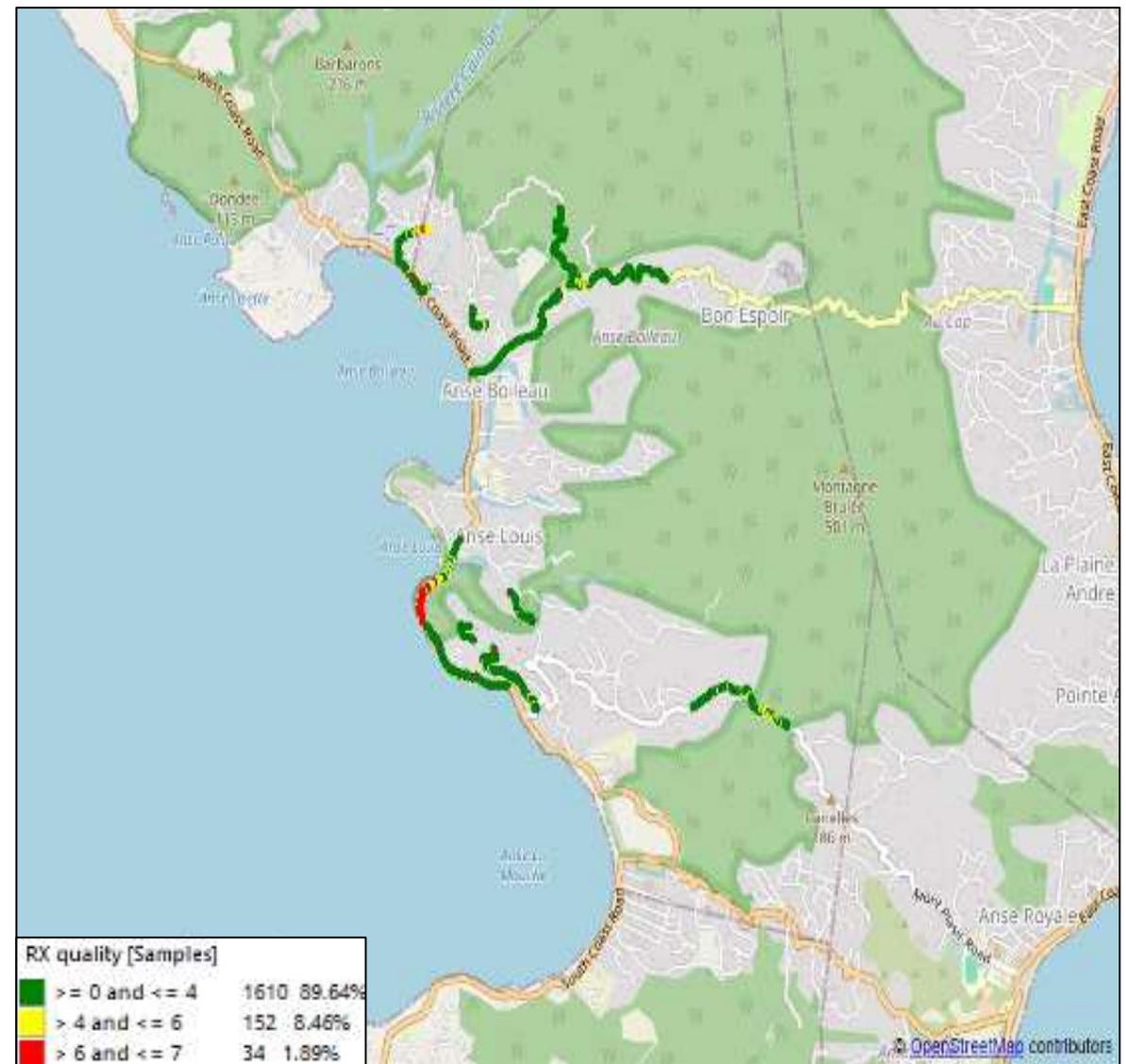
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Airtel LC MO



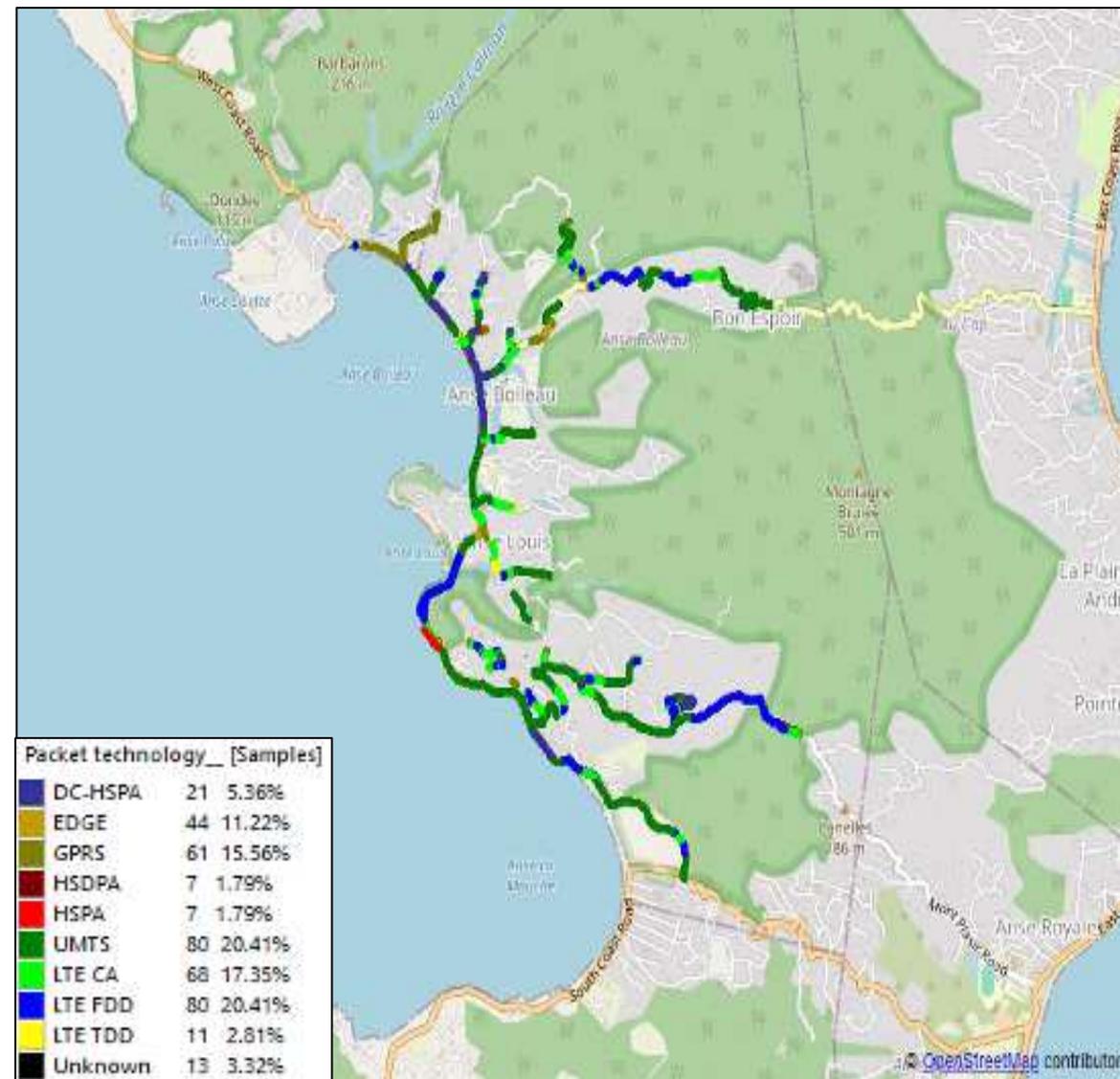
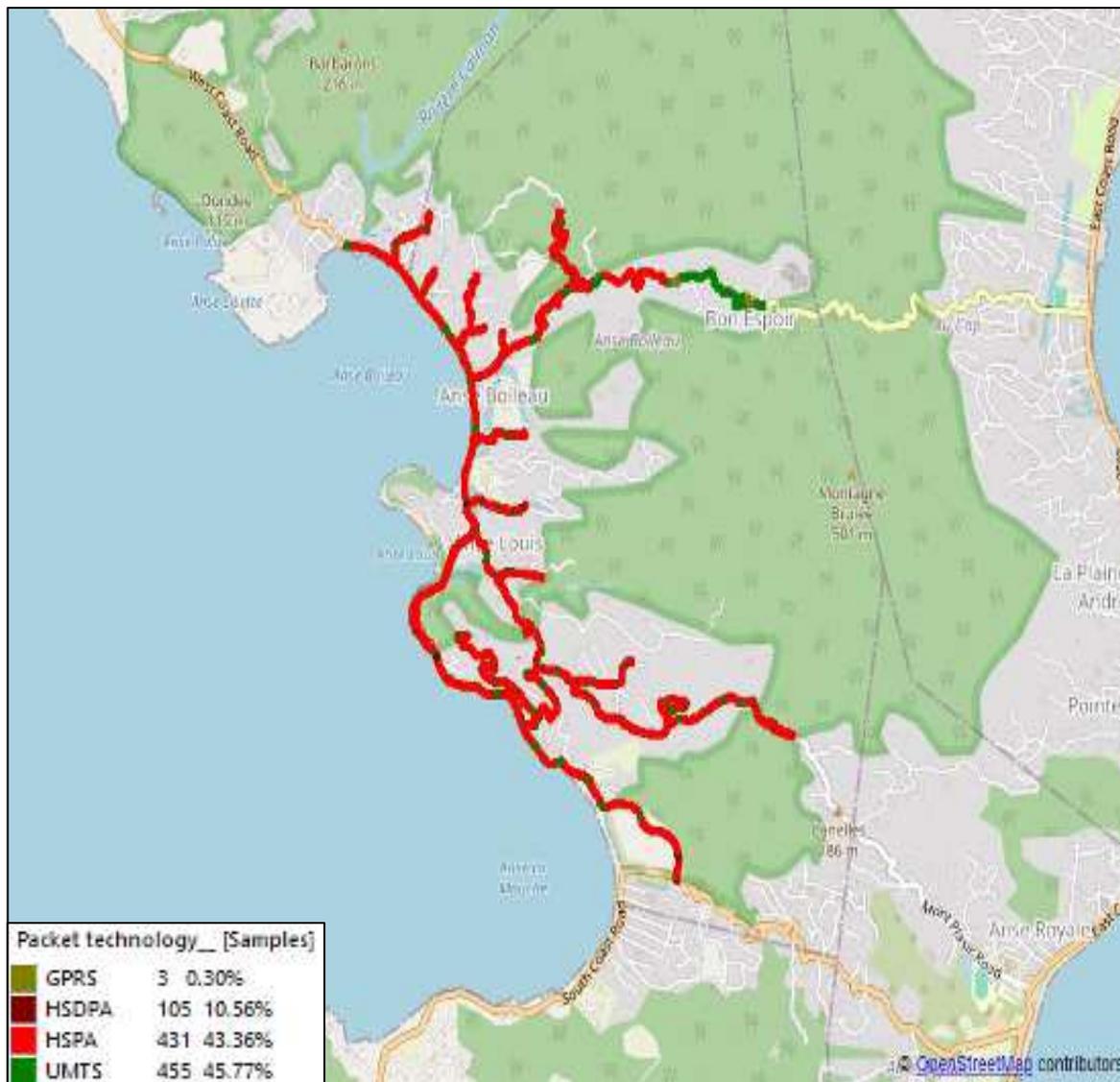
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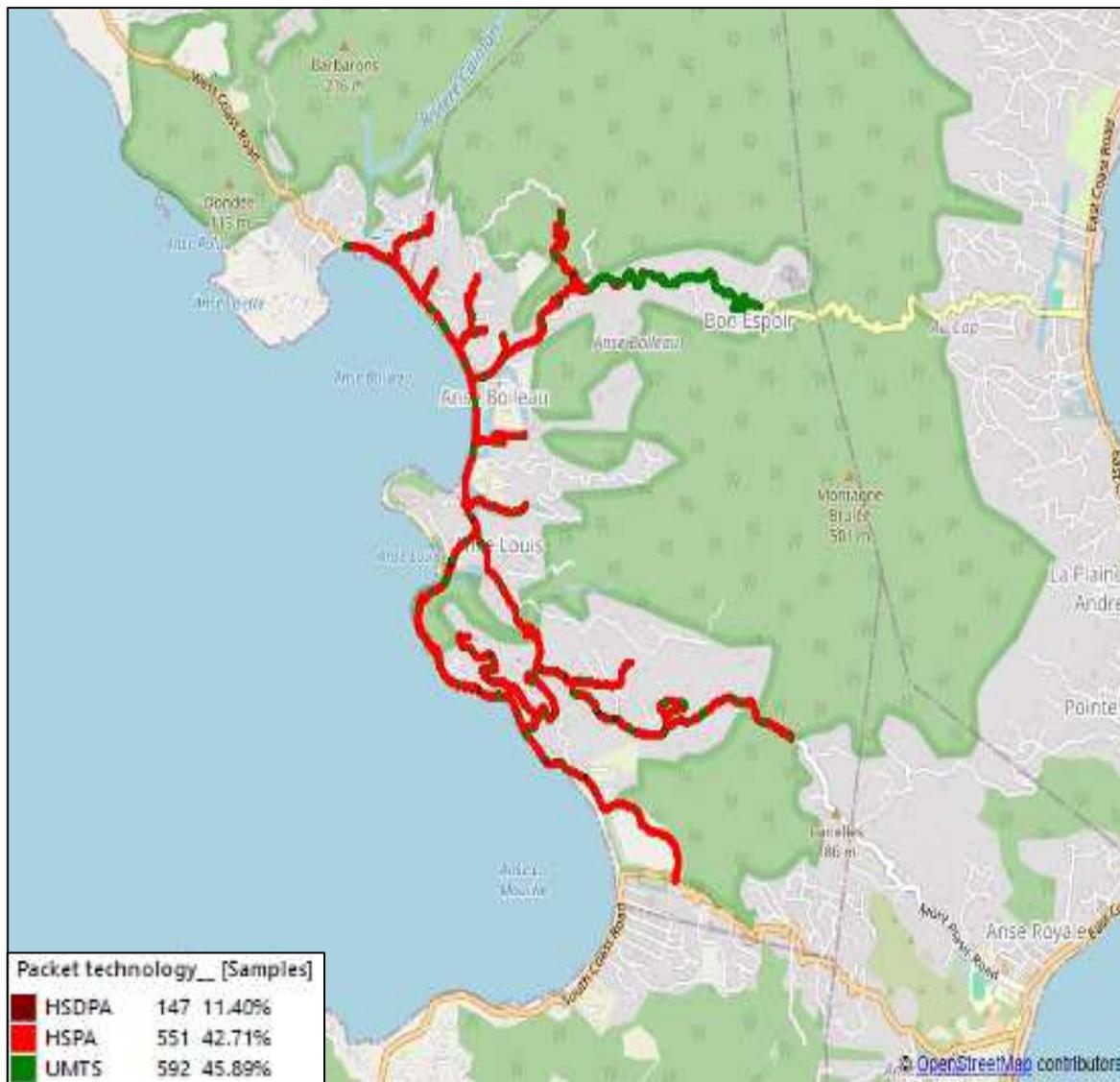
3G PREFERRED DATA DRIVE PLOTS

Airtel Data 3G

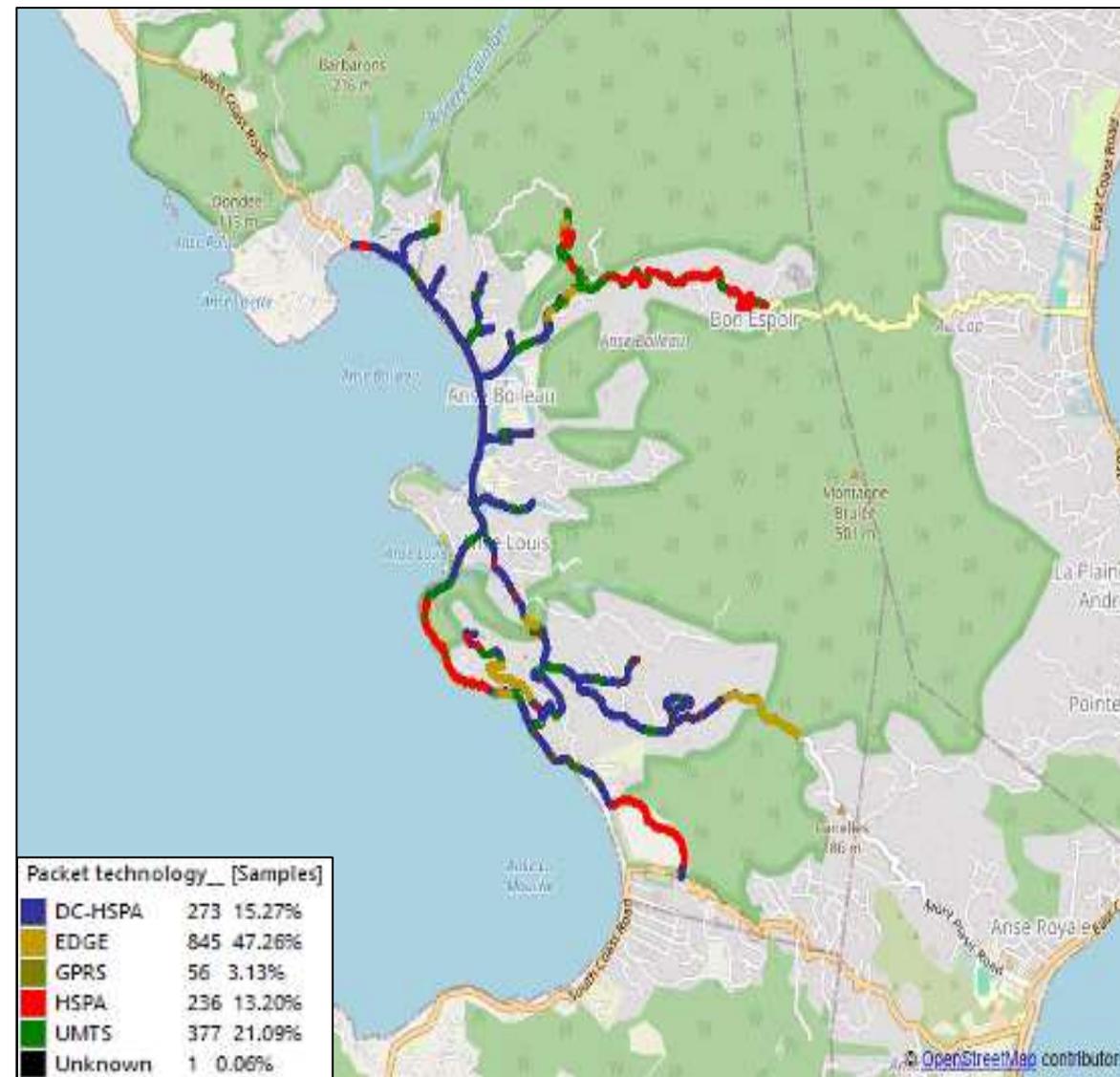
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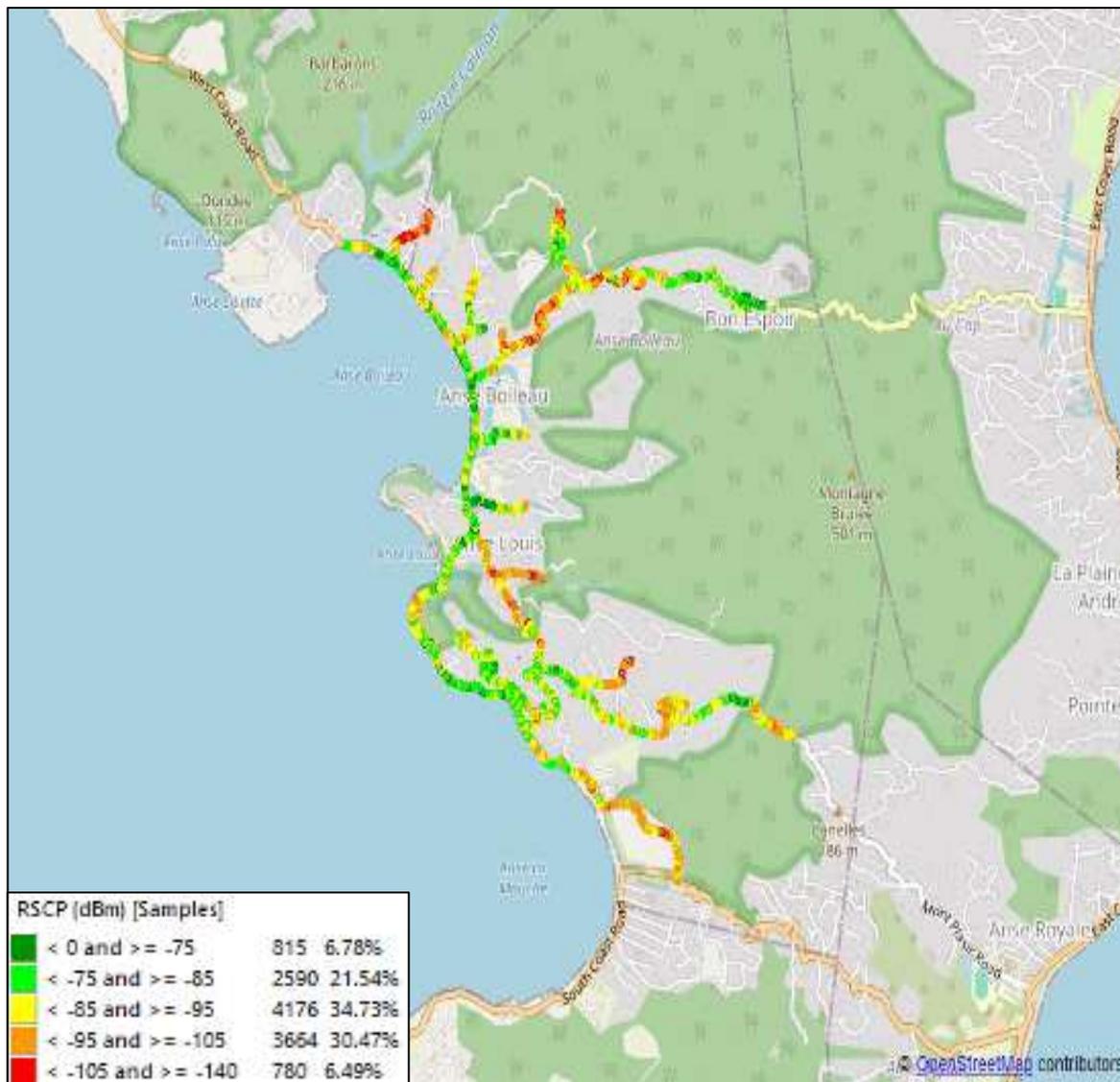
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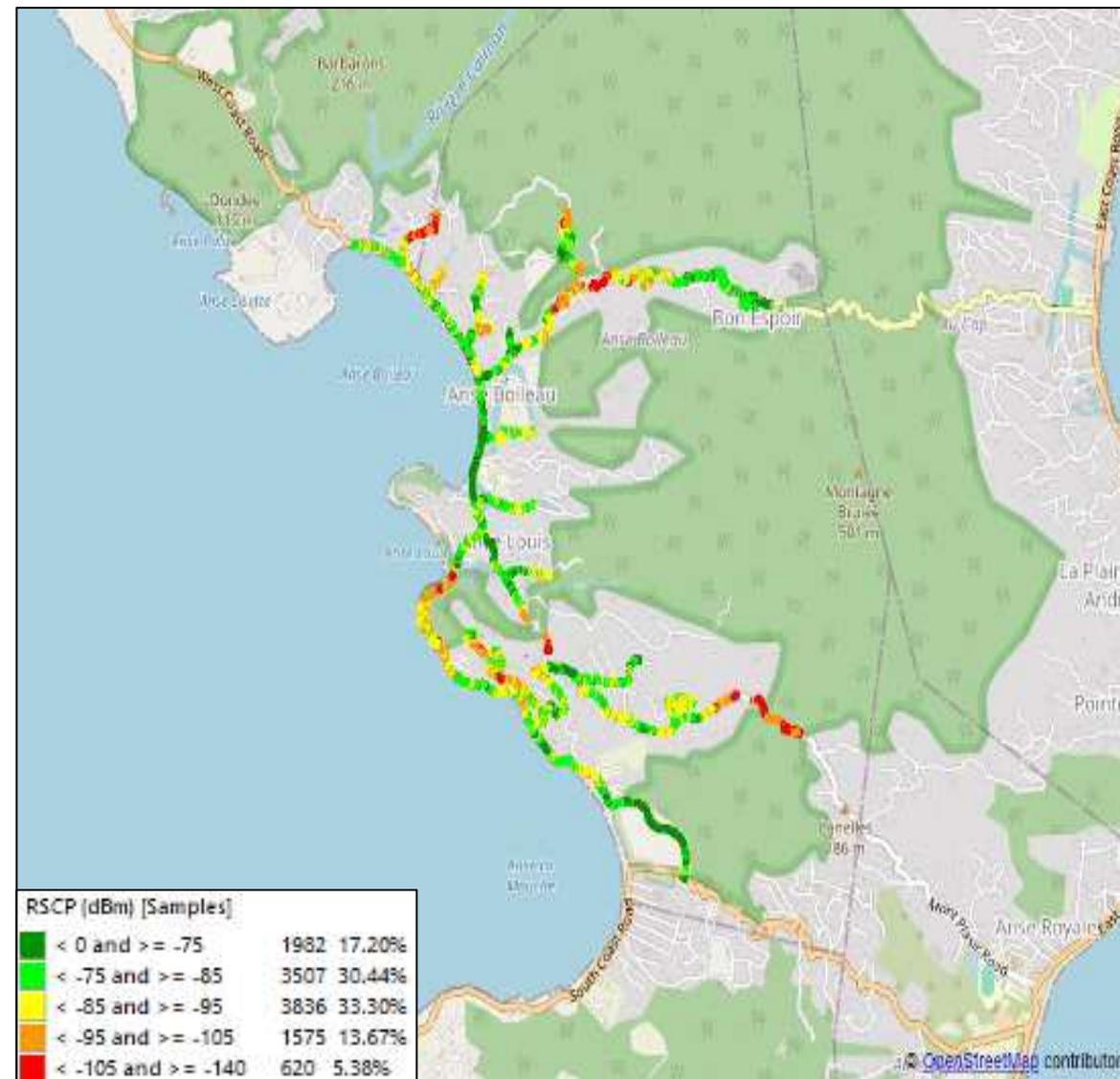
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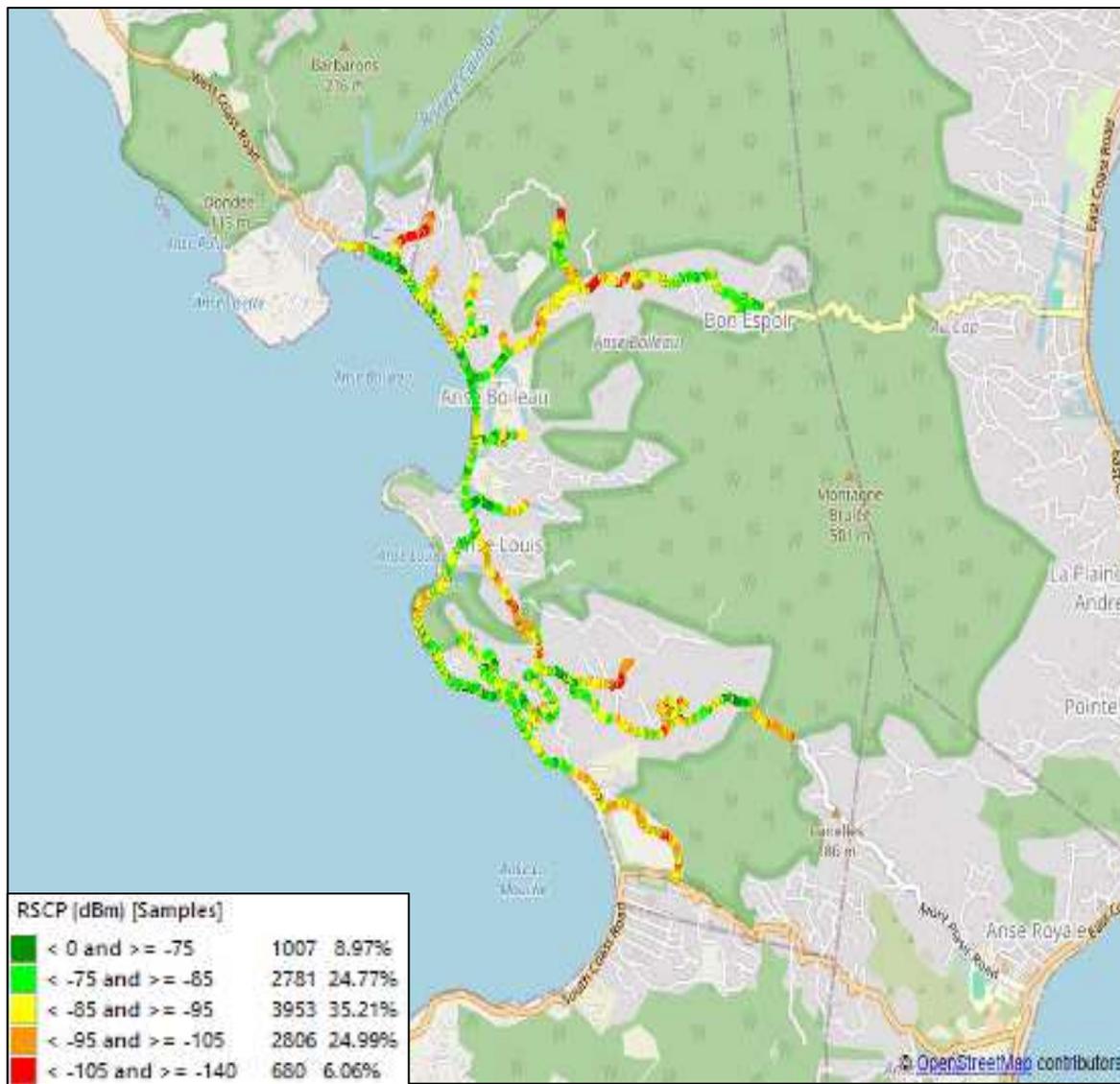
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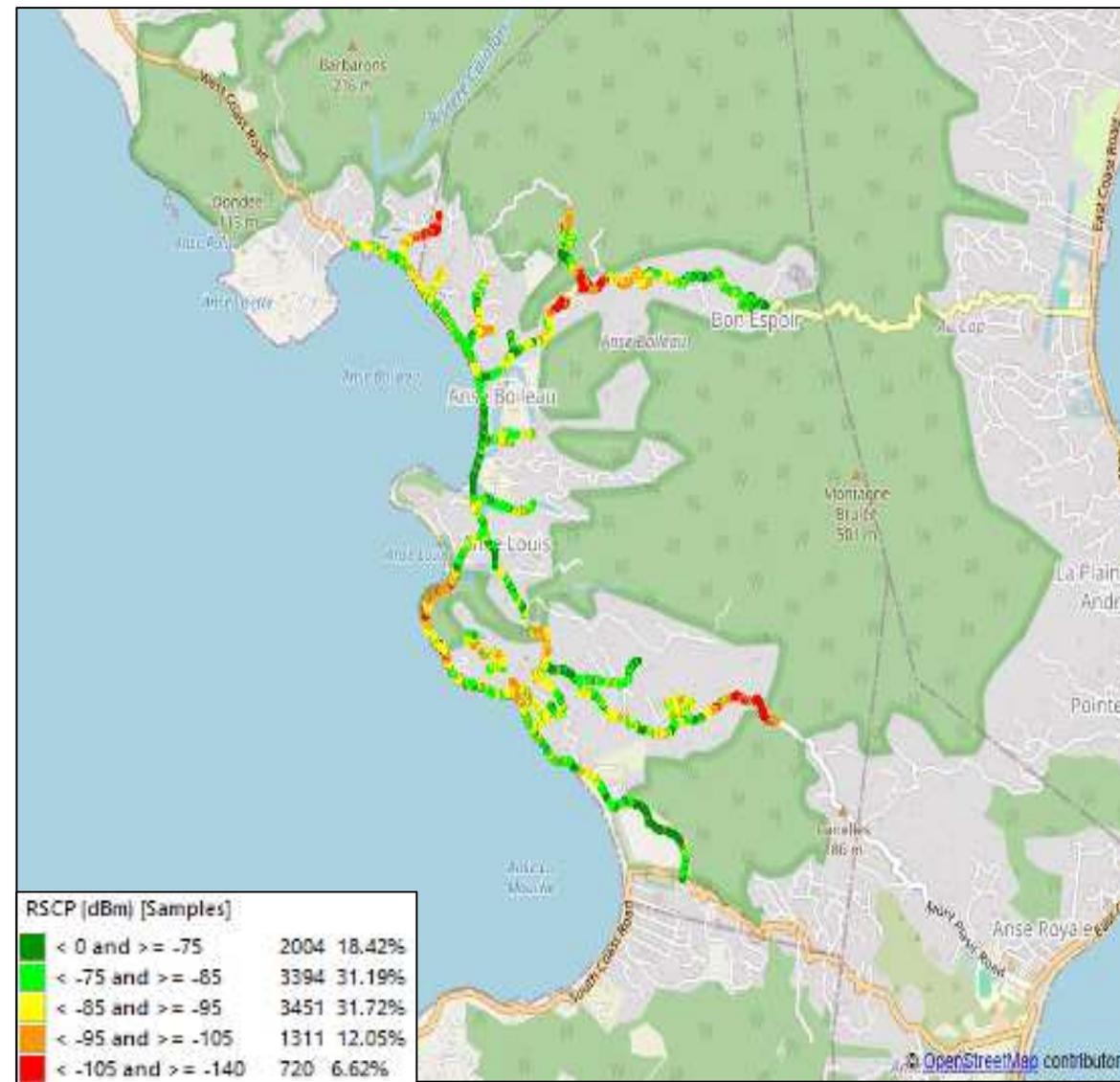
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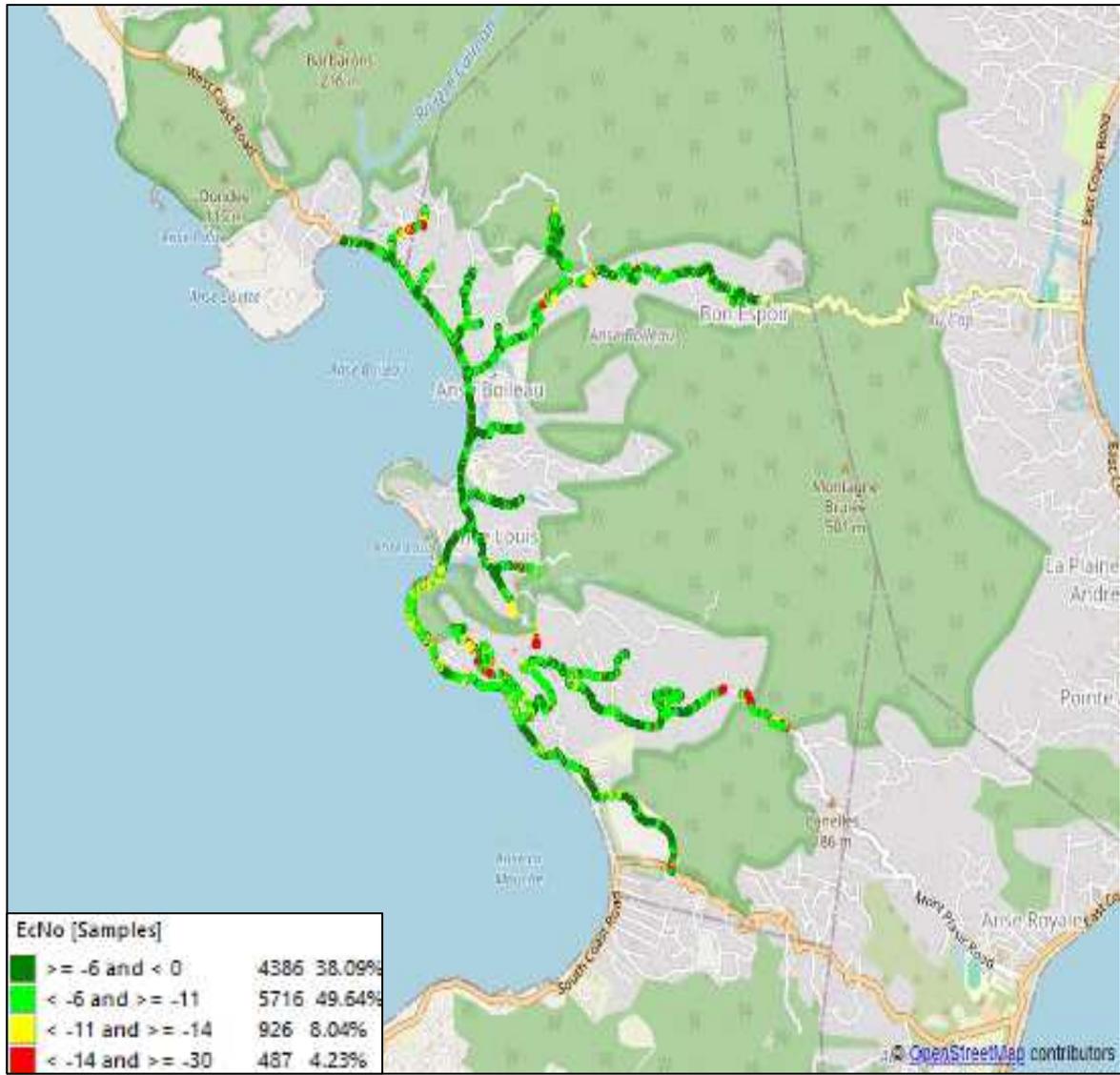
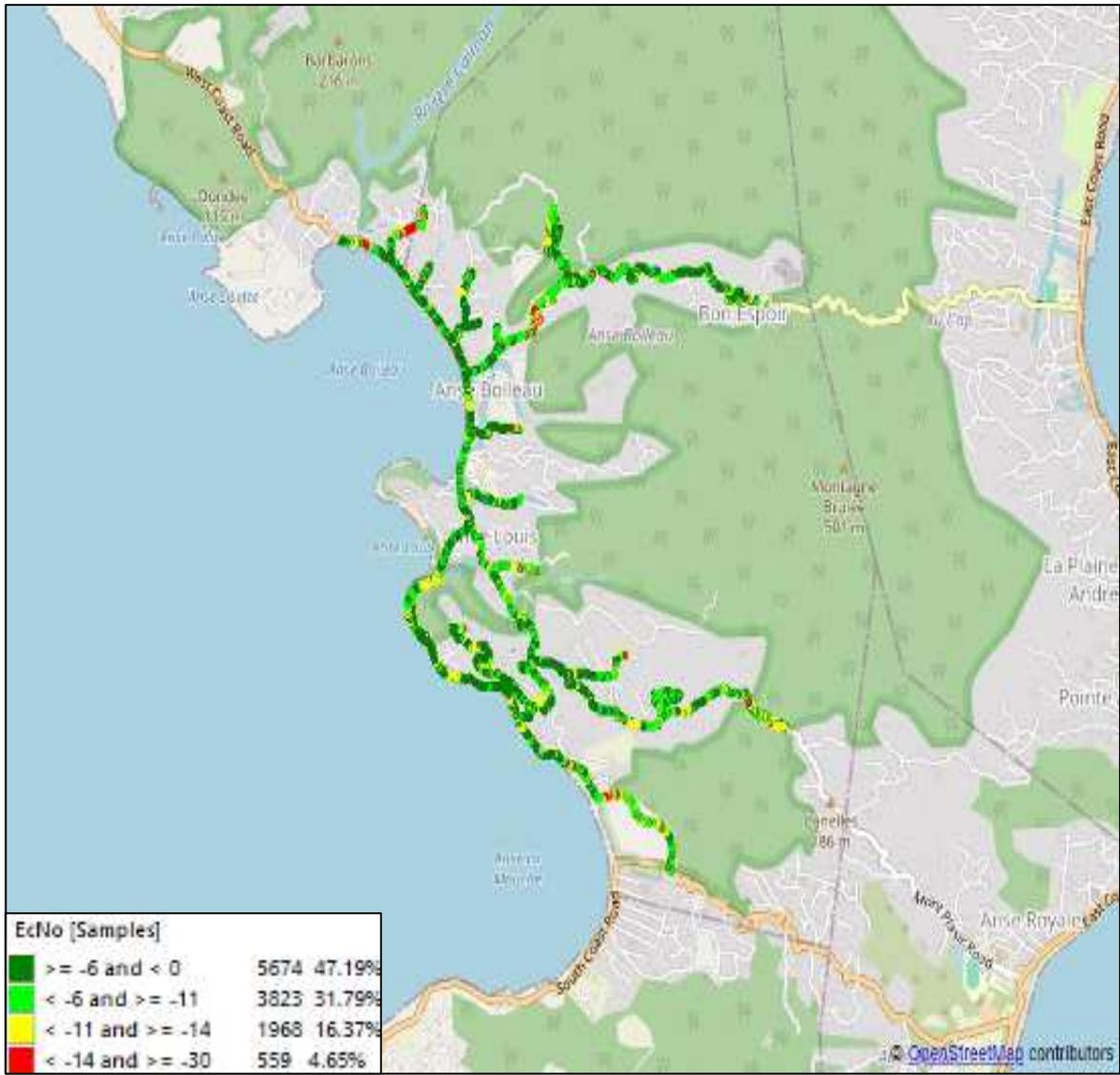


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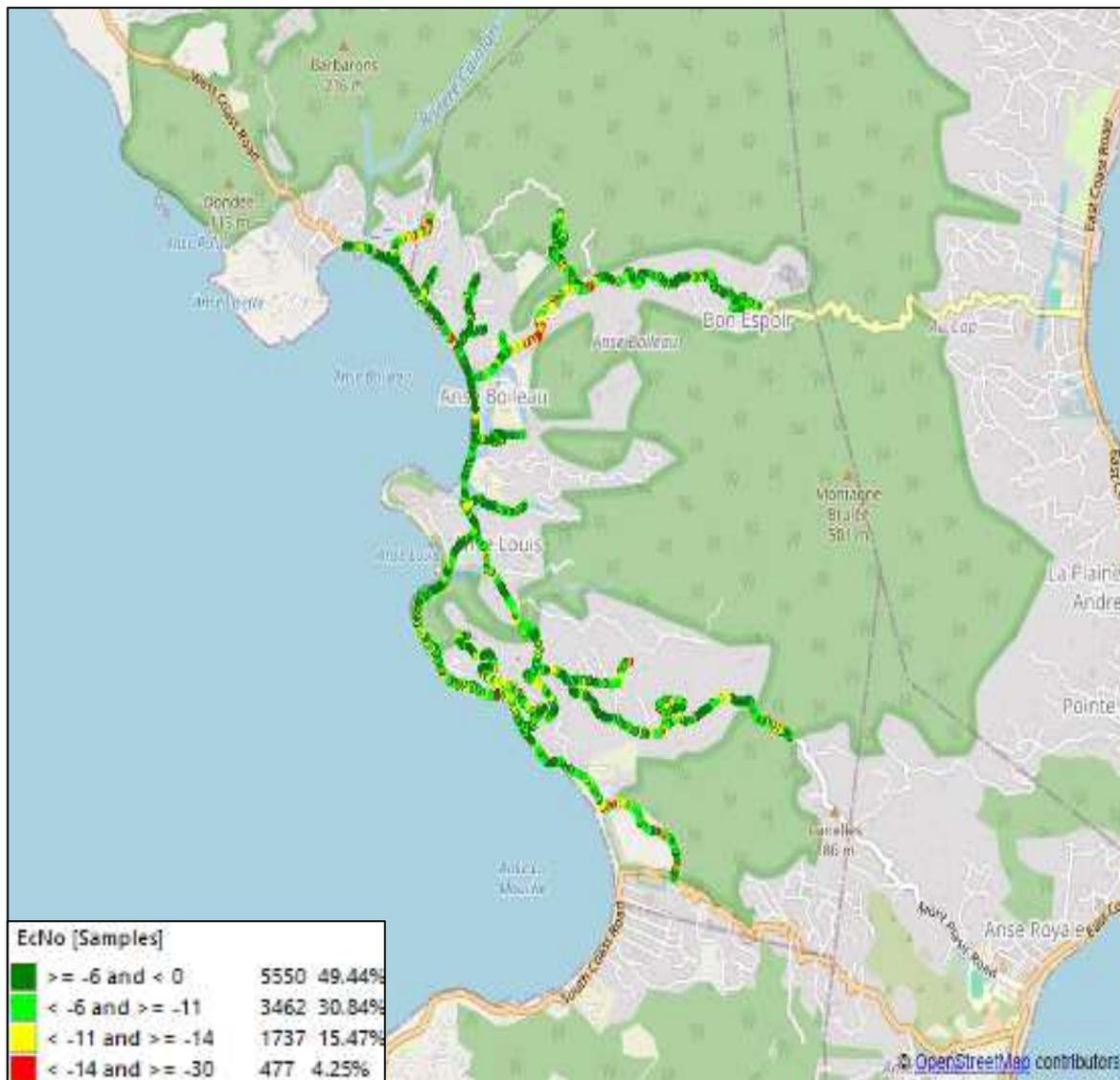


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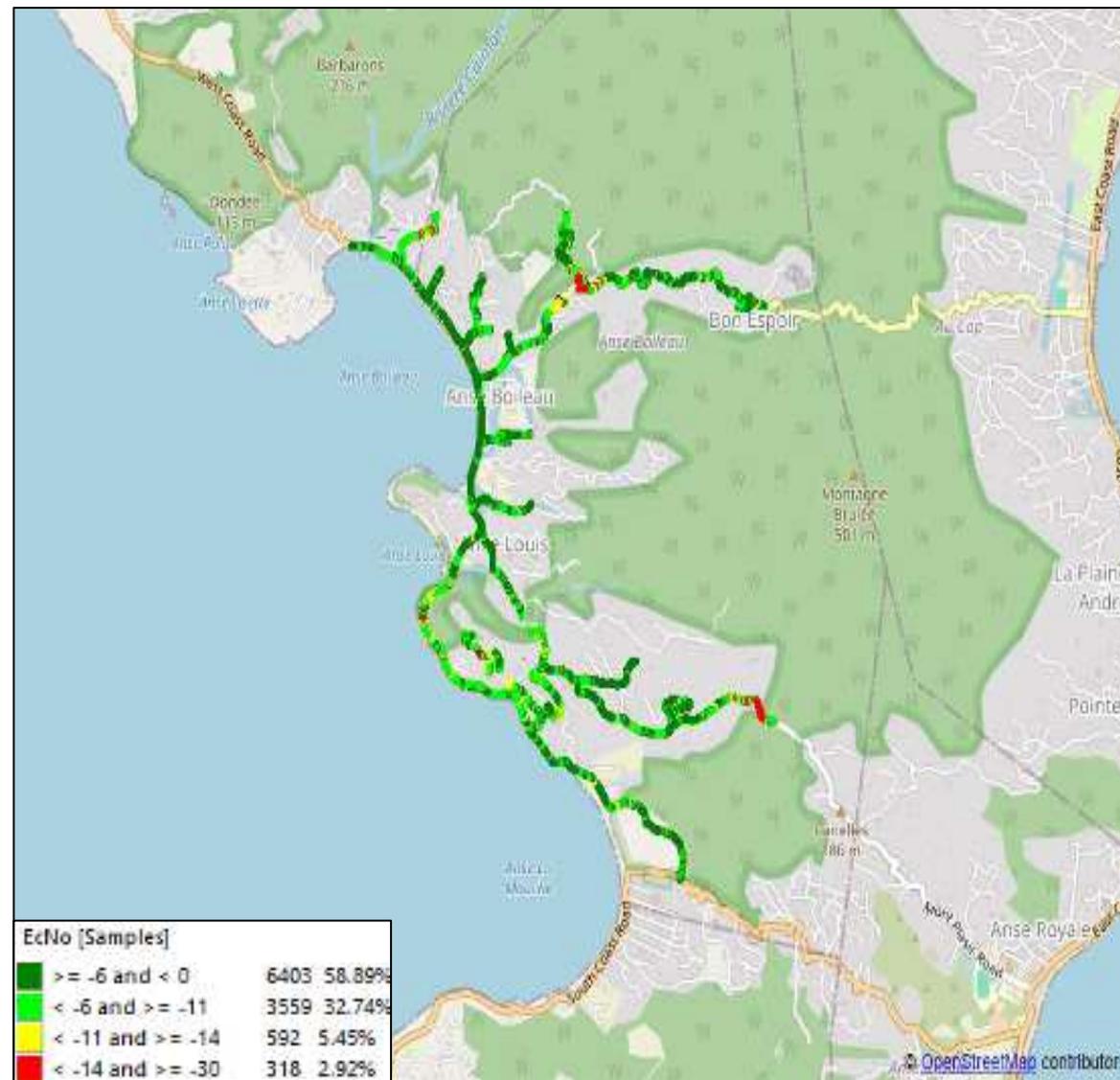
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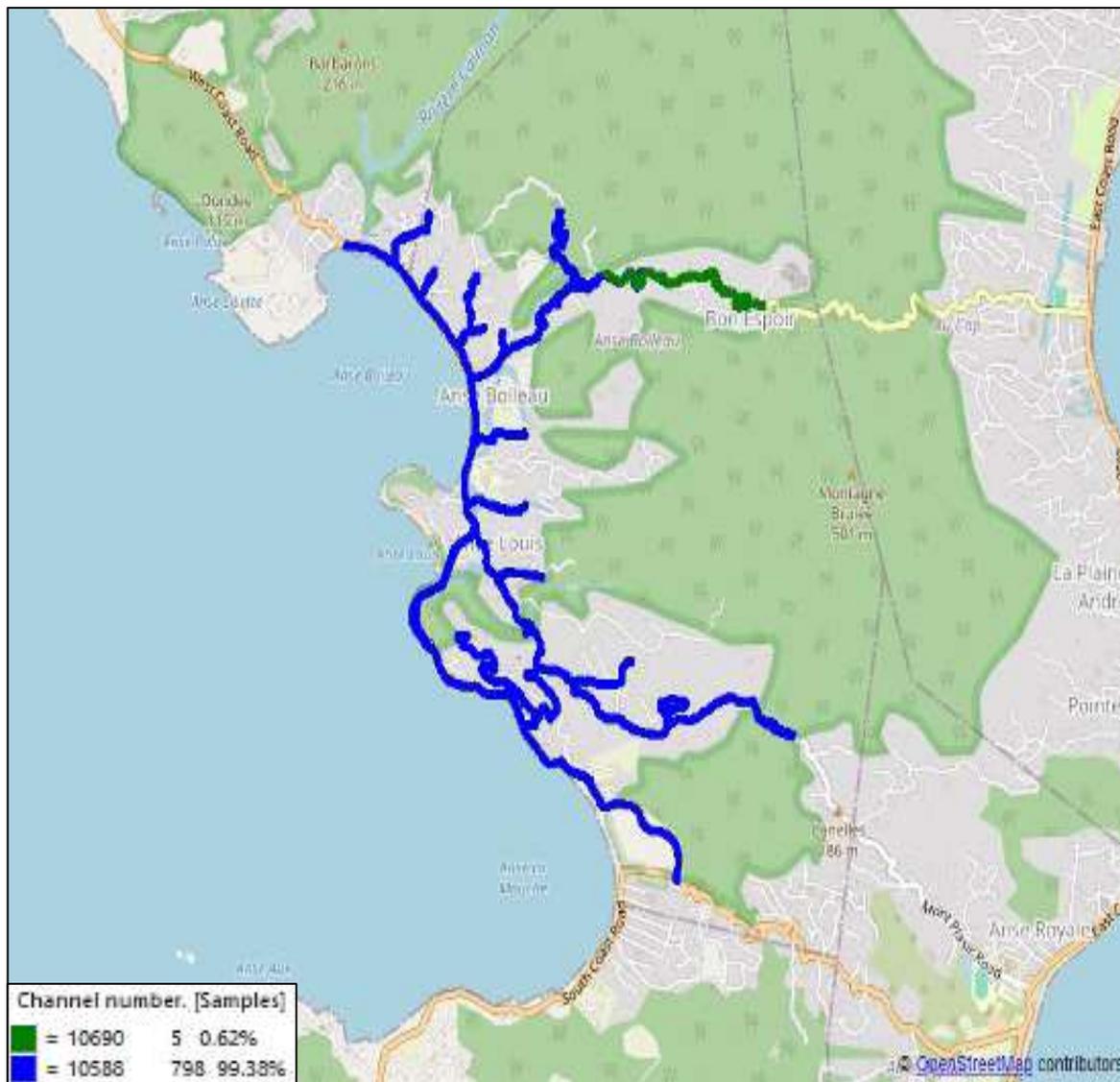
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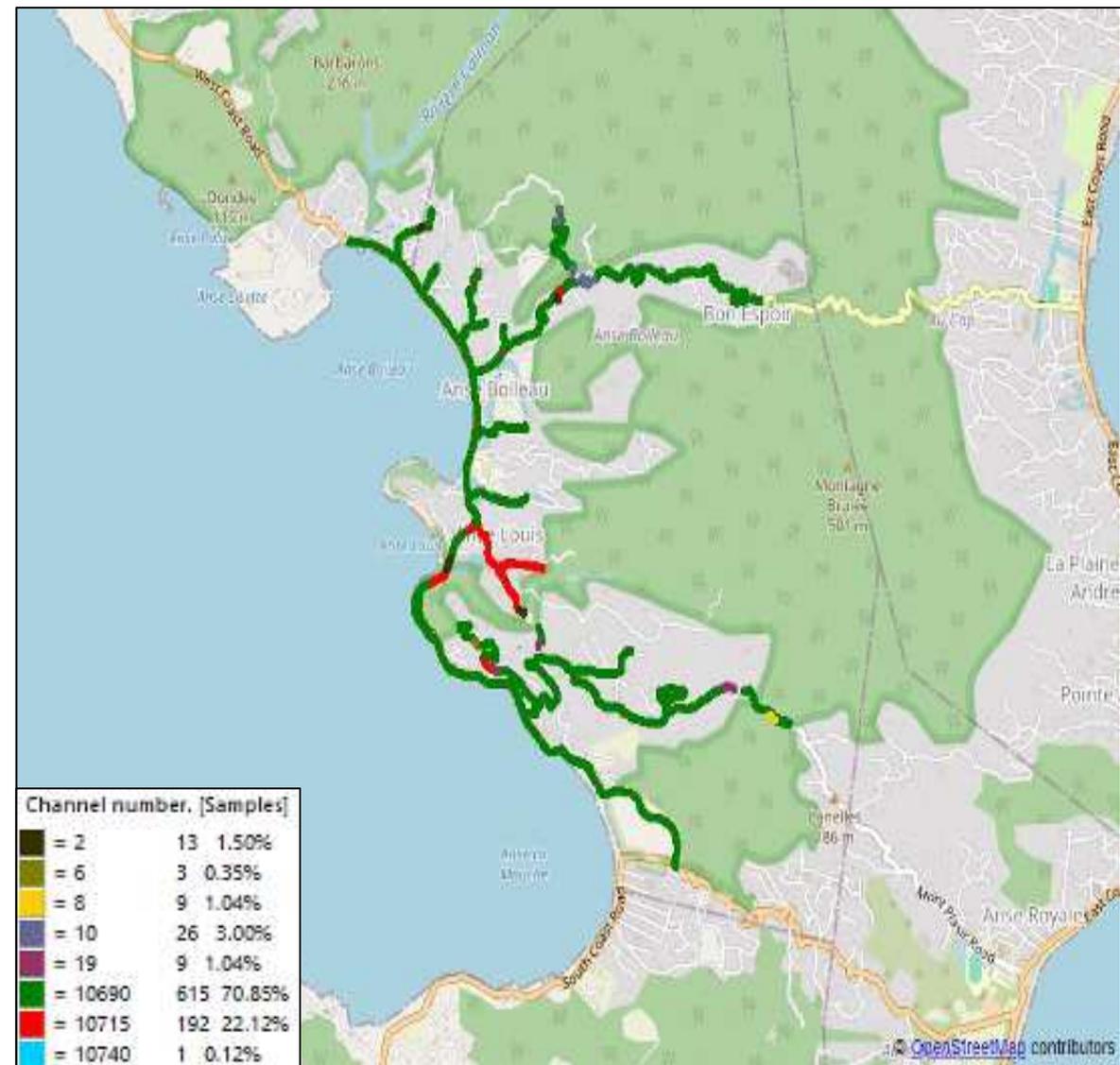
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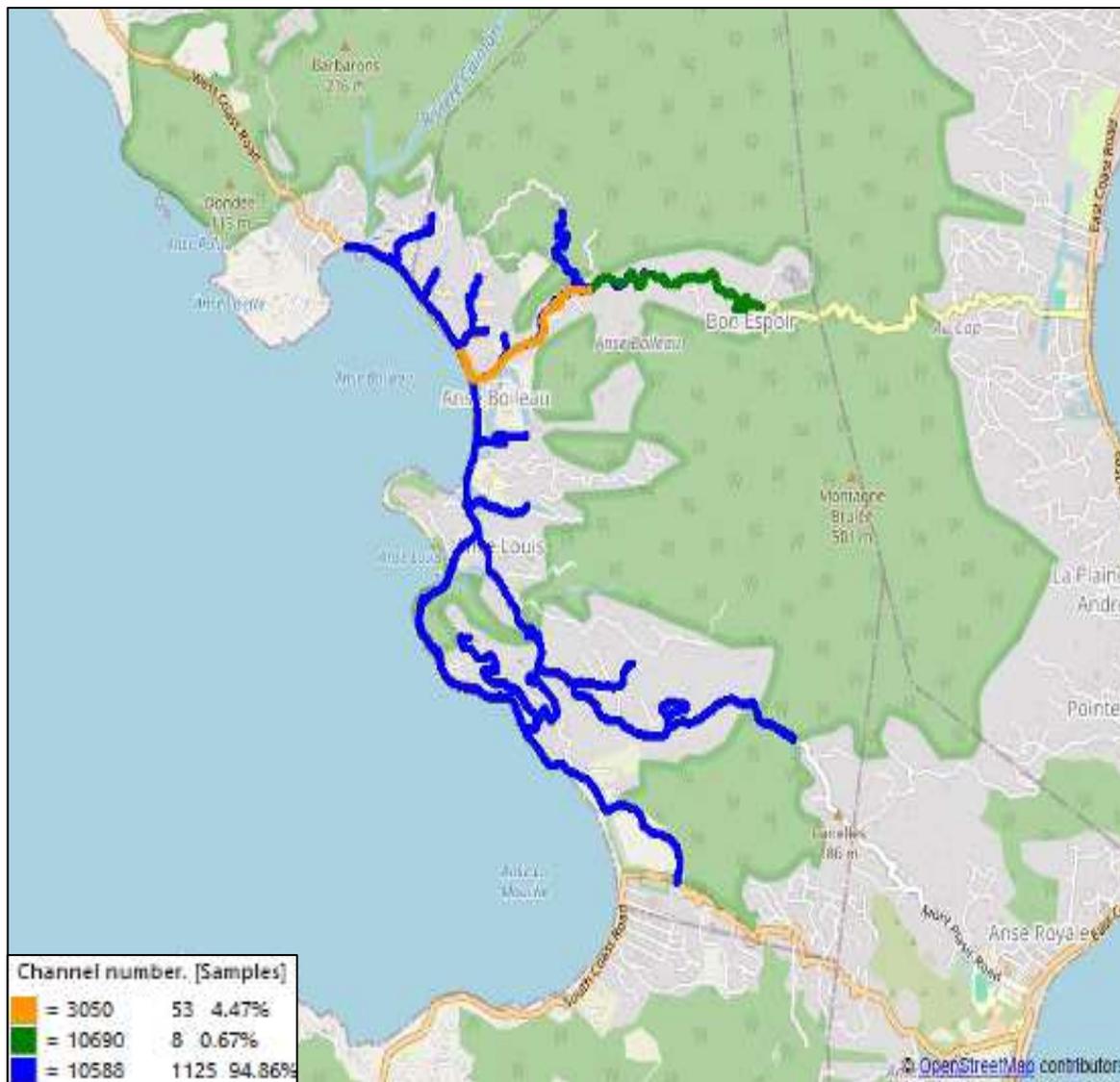
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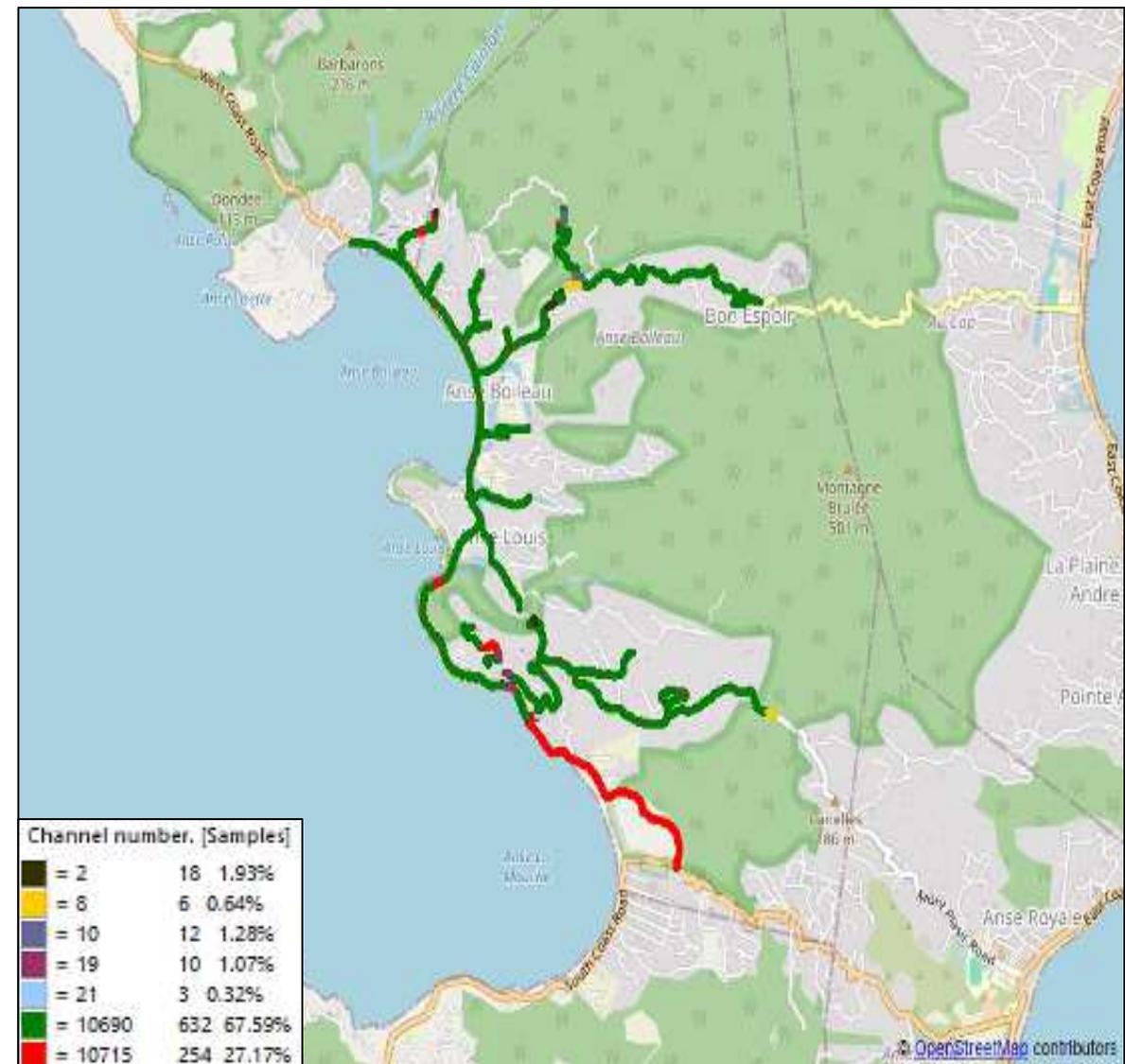
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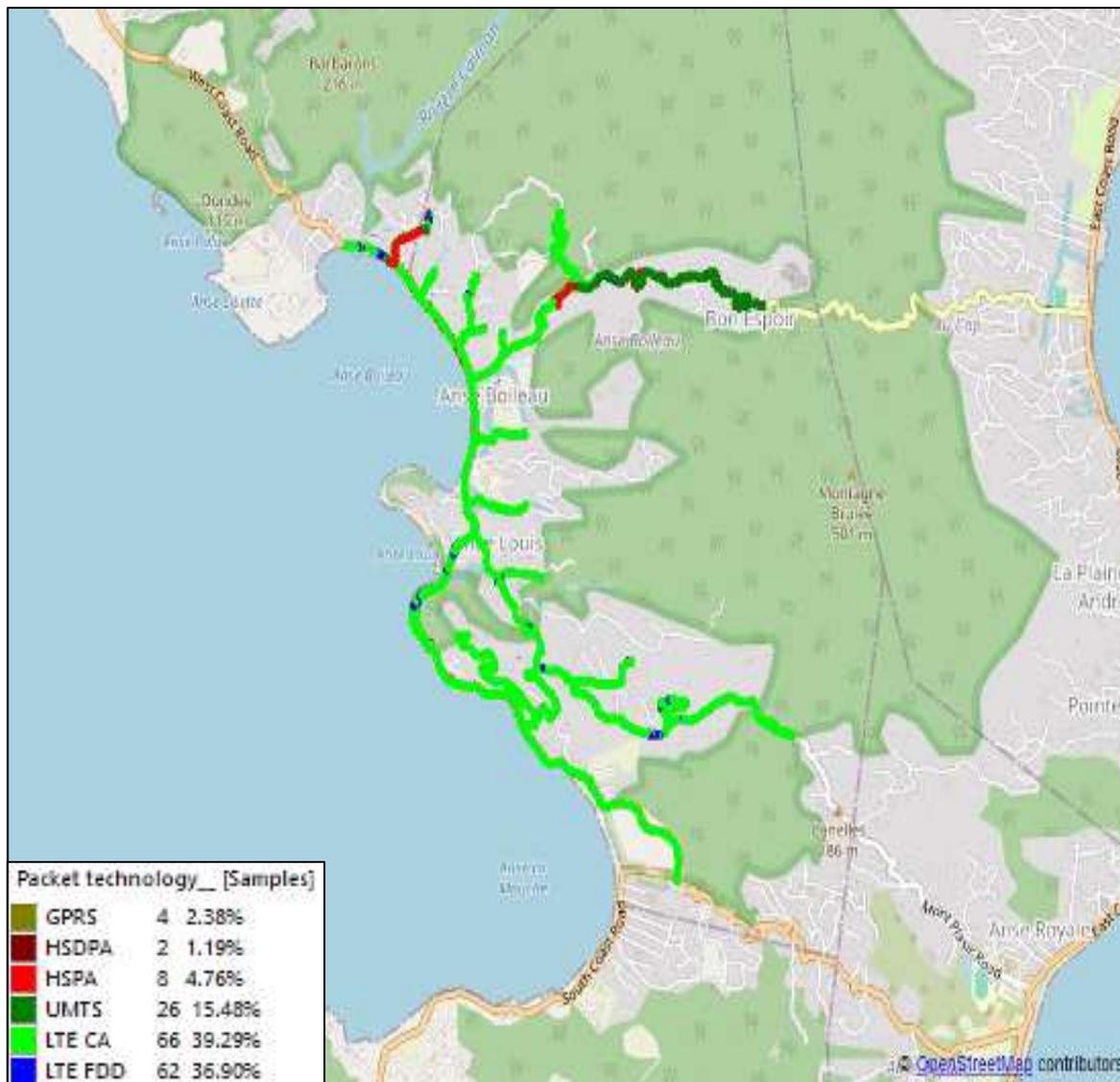


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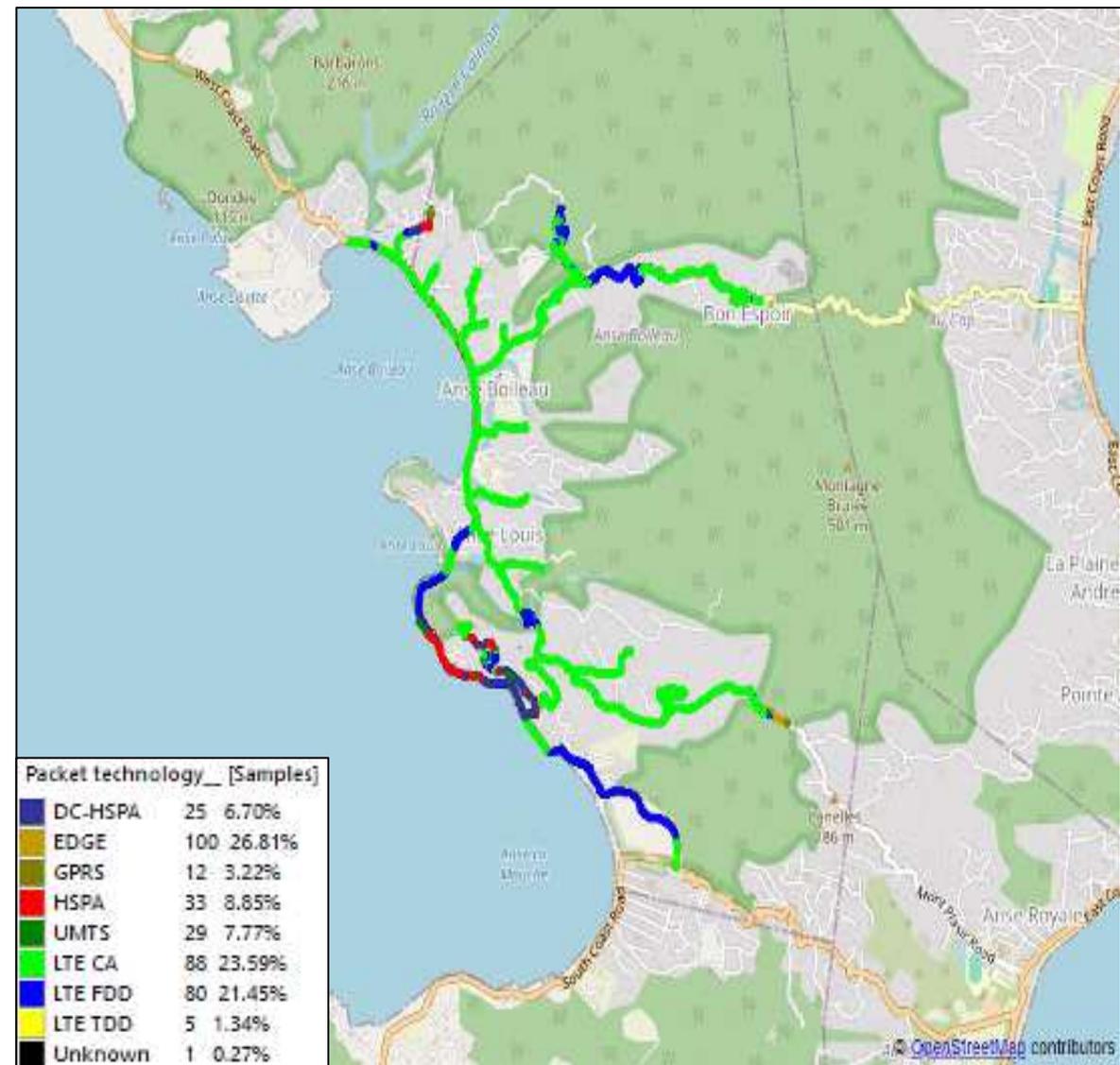


4G PREFERRED DATA DRIVE PLOTS

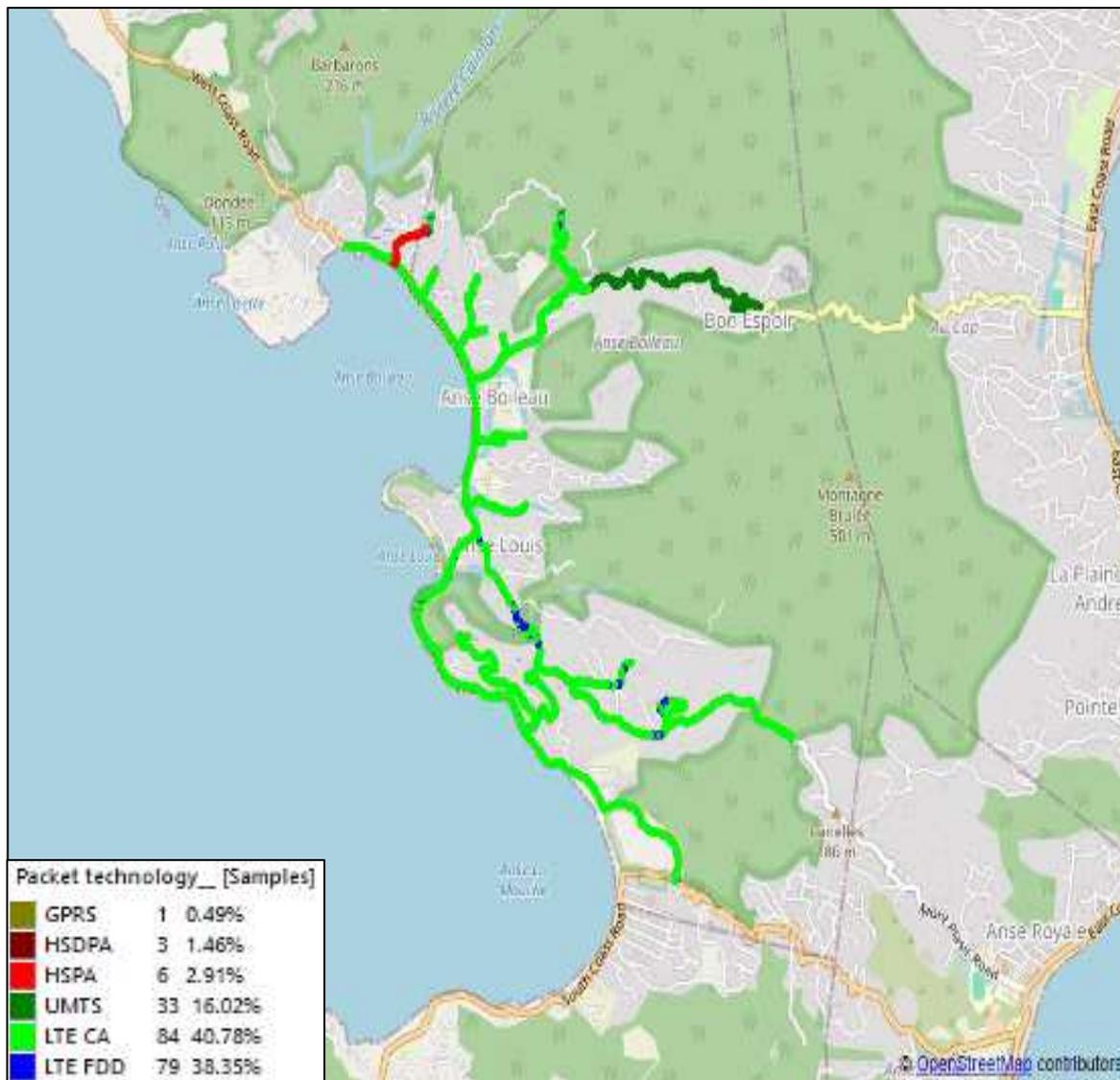
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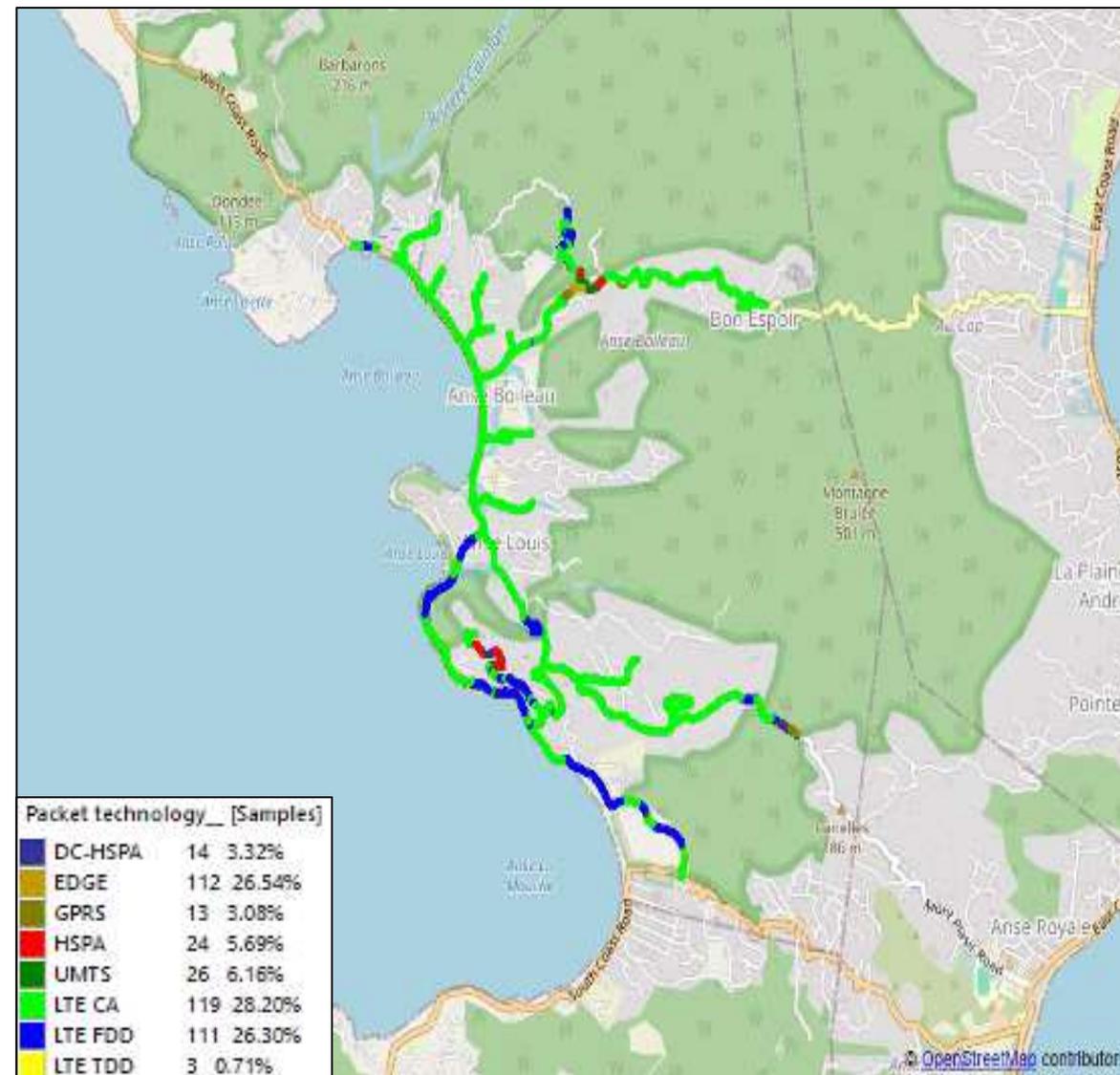
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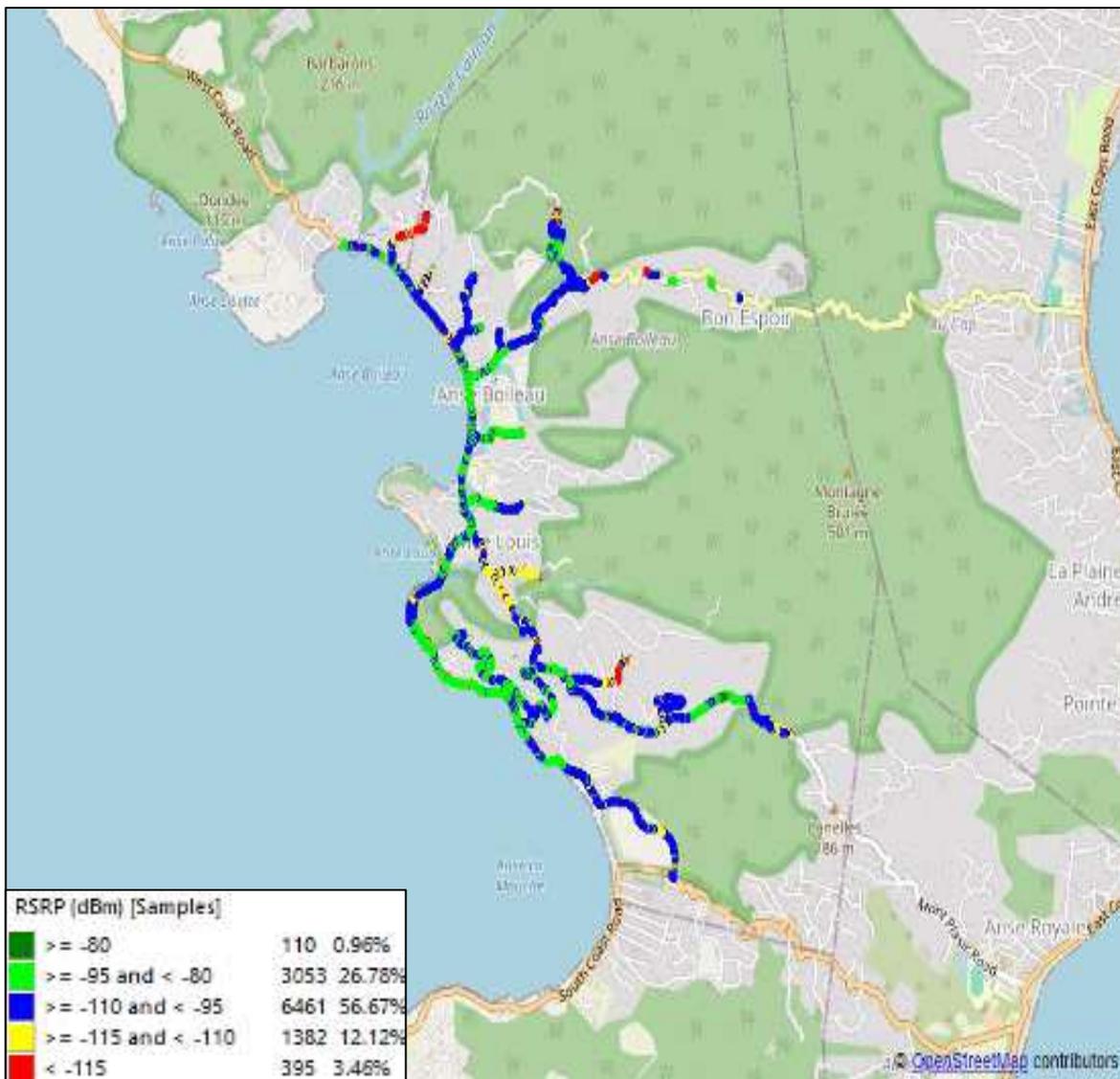
Airtel Data 4G



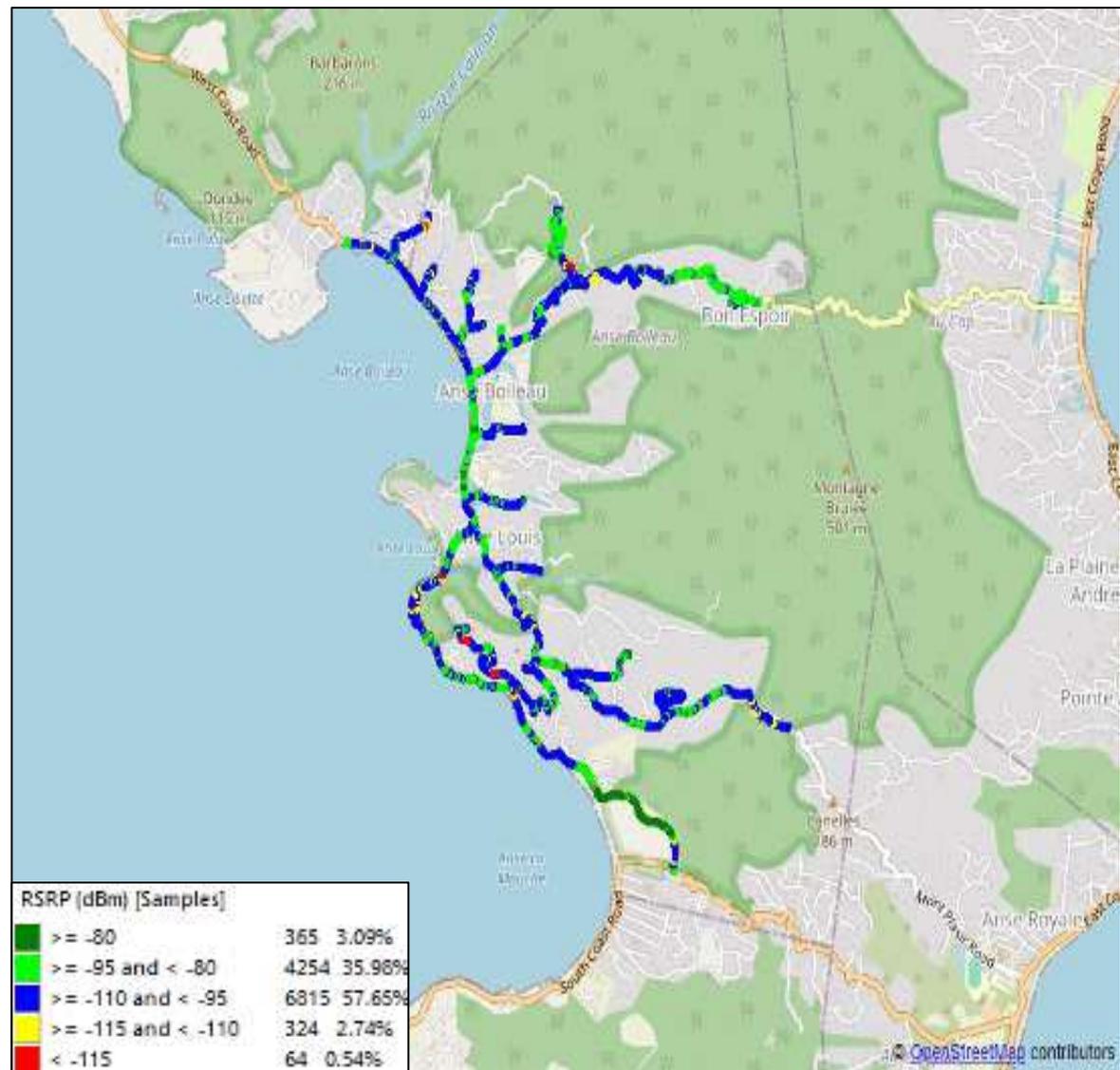
CWS Data 4G



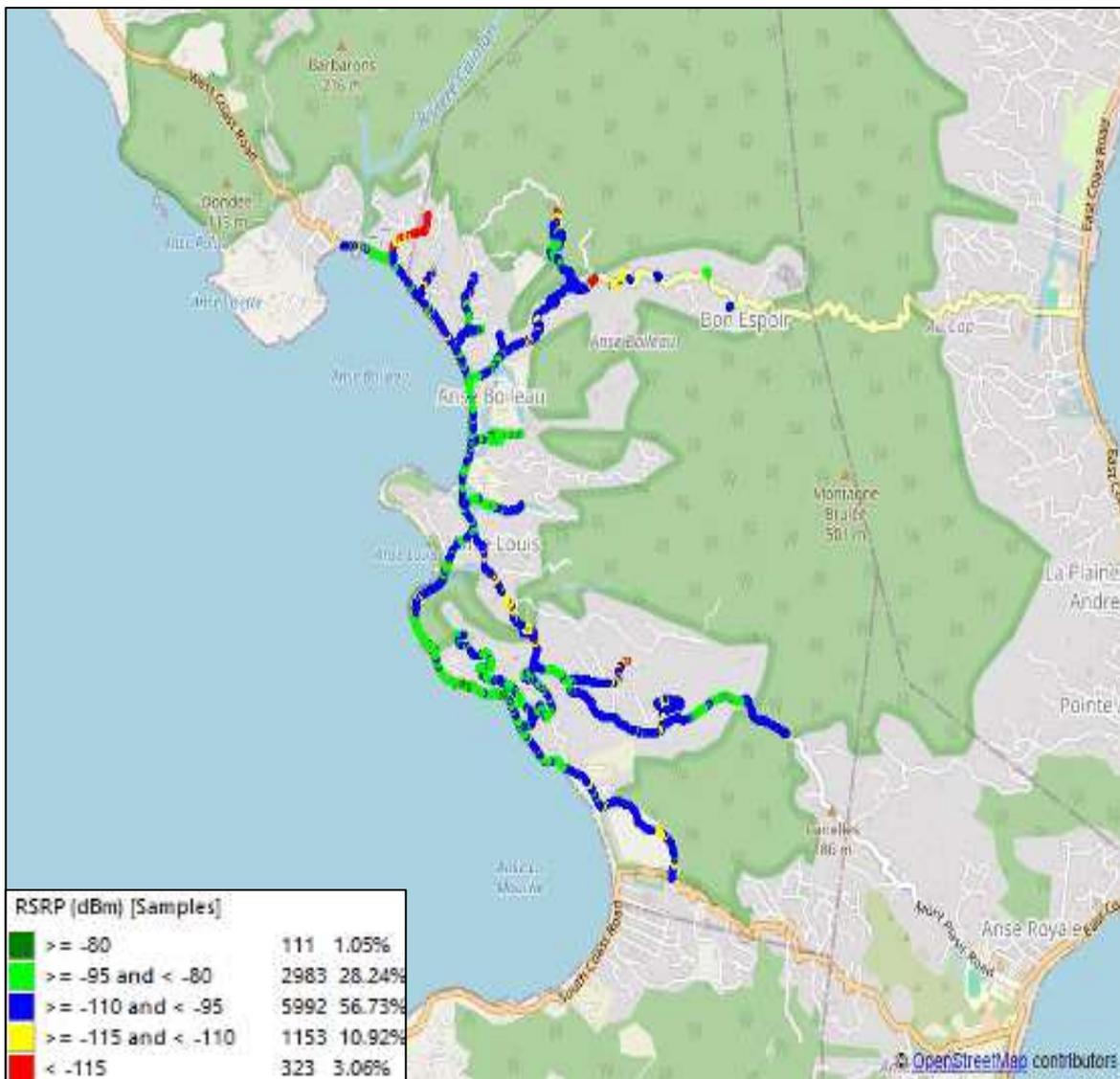
Airtel Data 4G



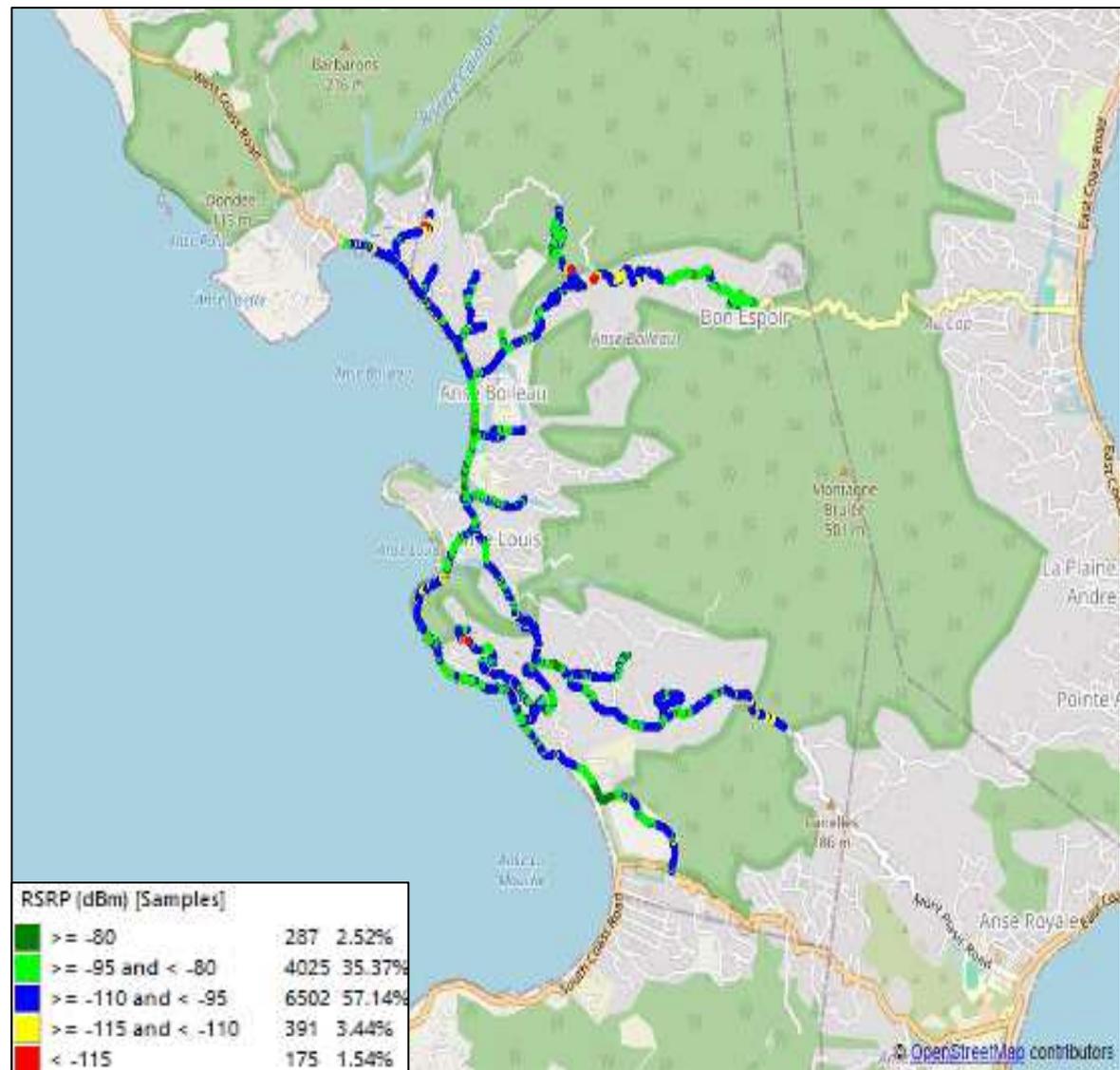
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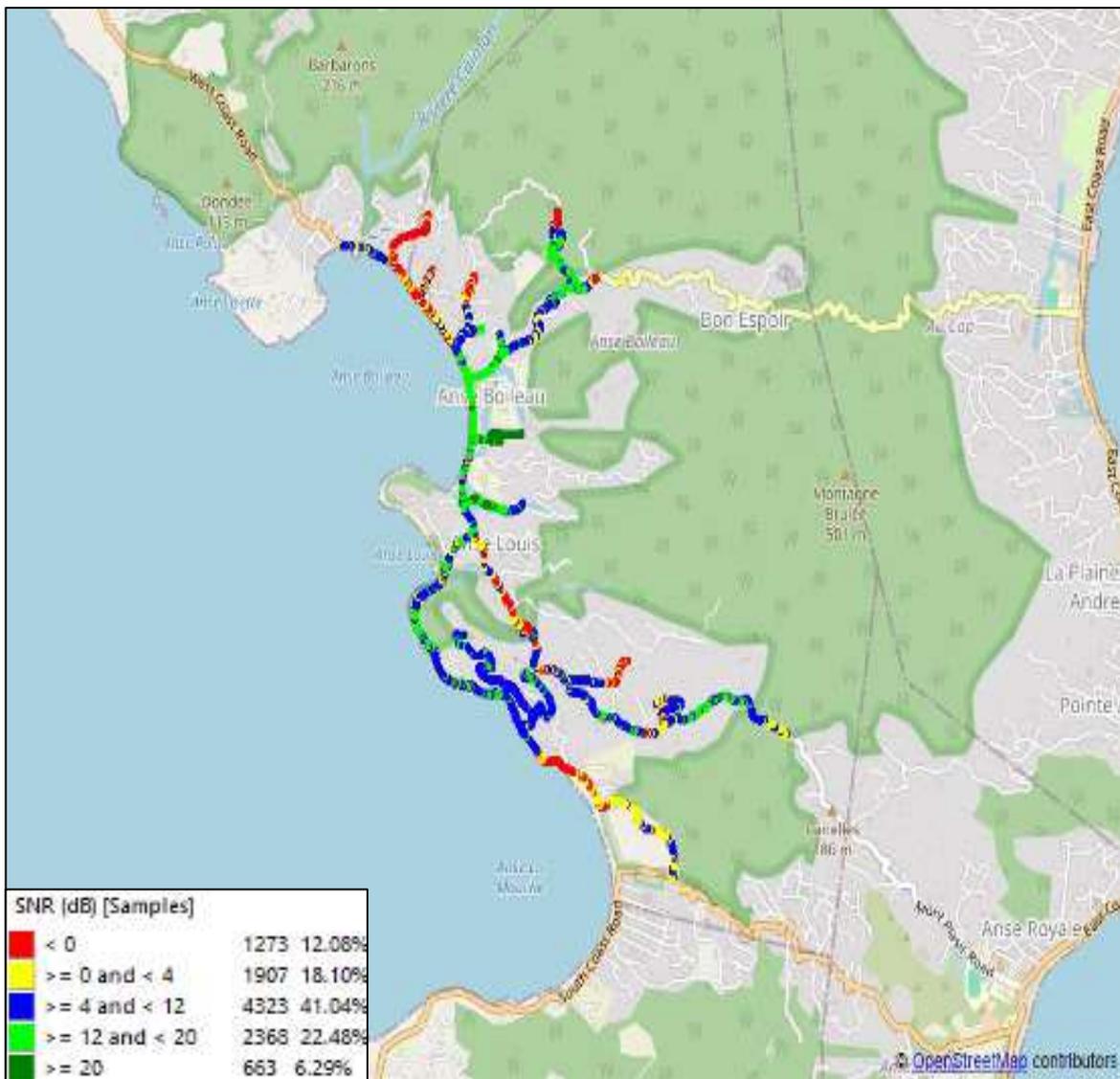
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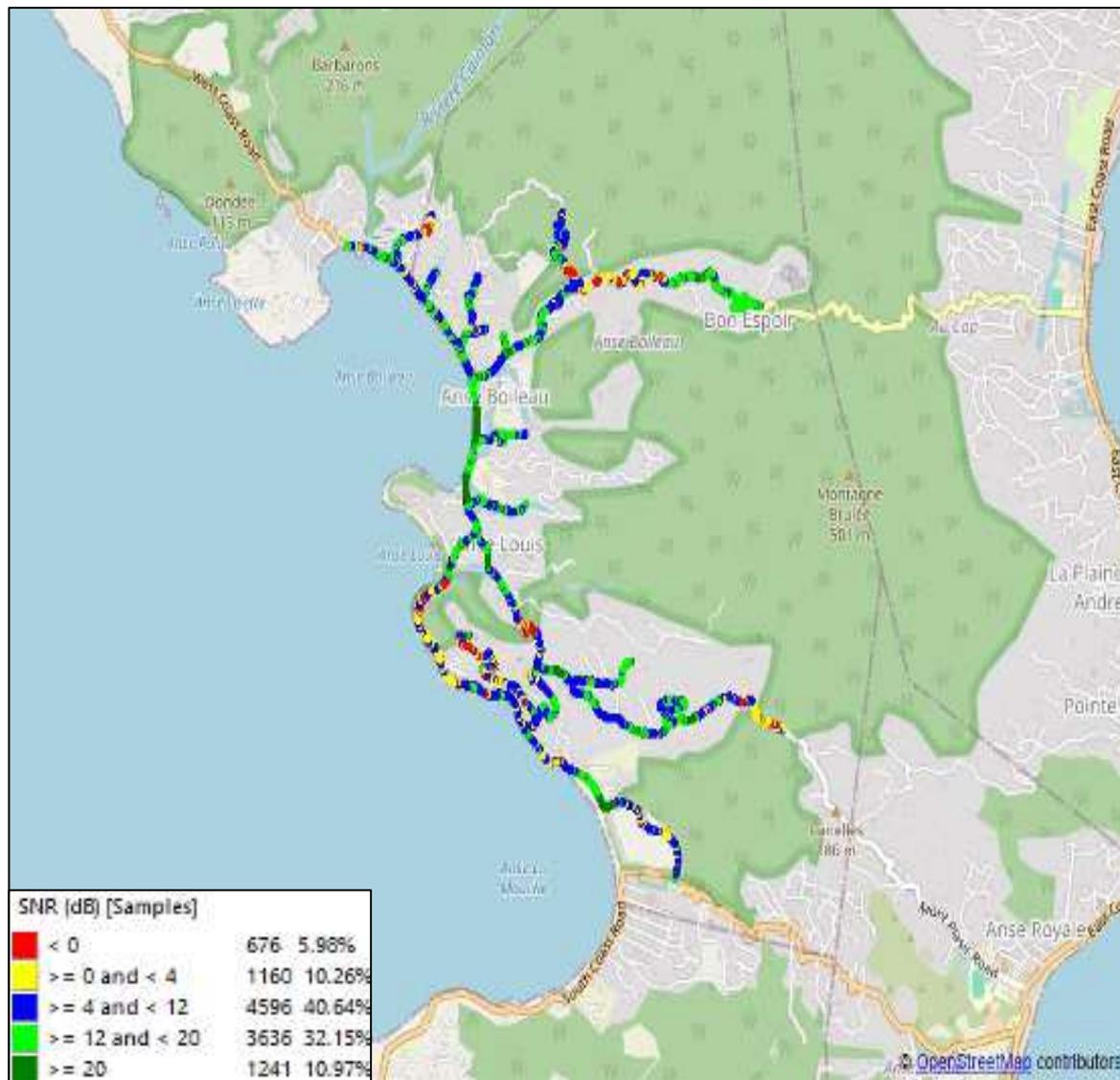
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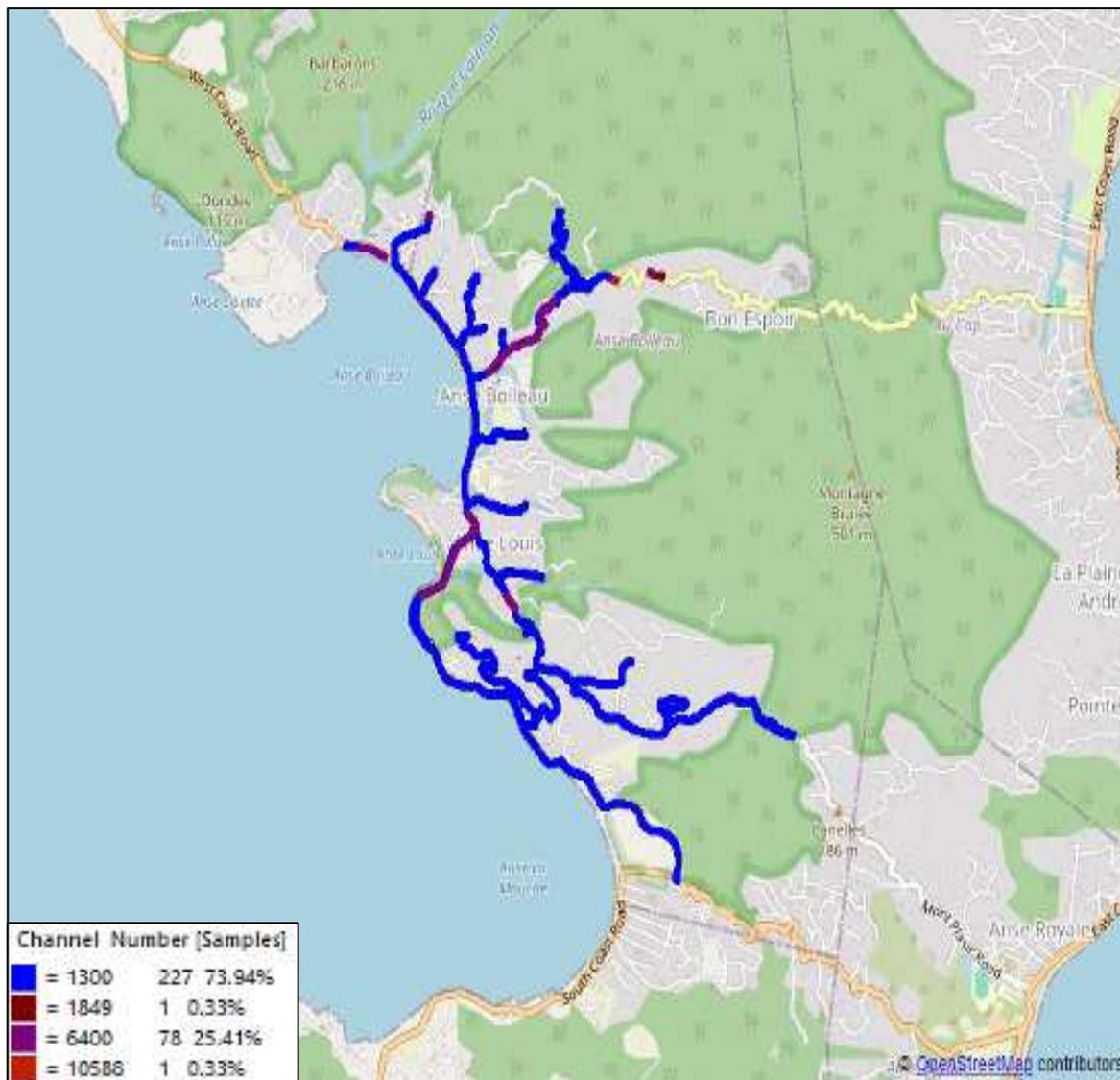
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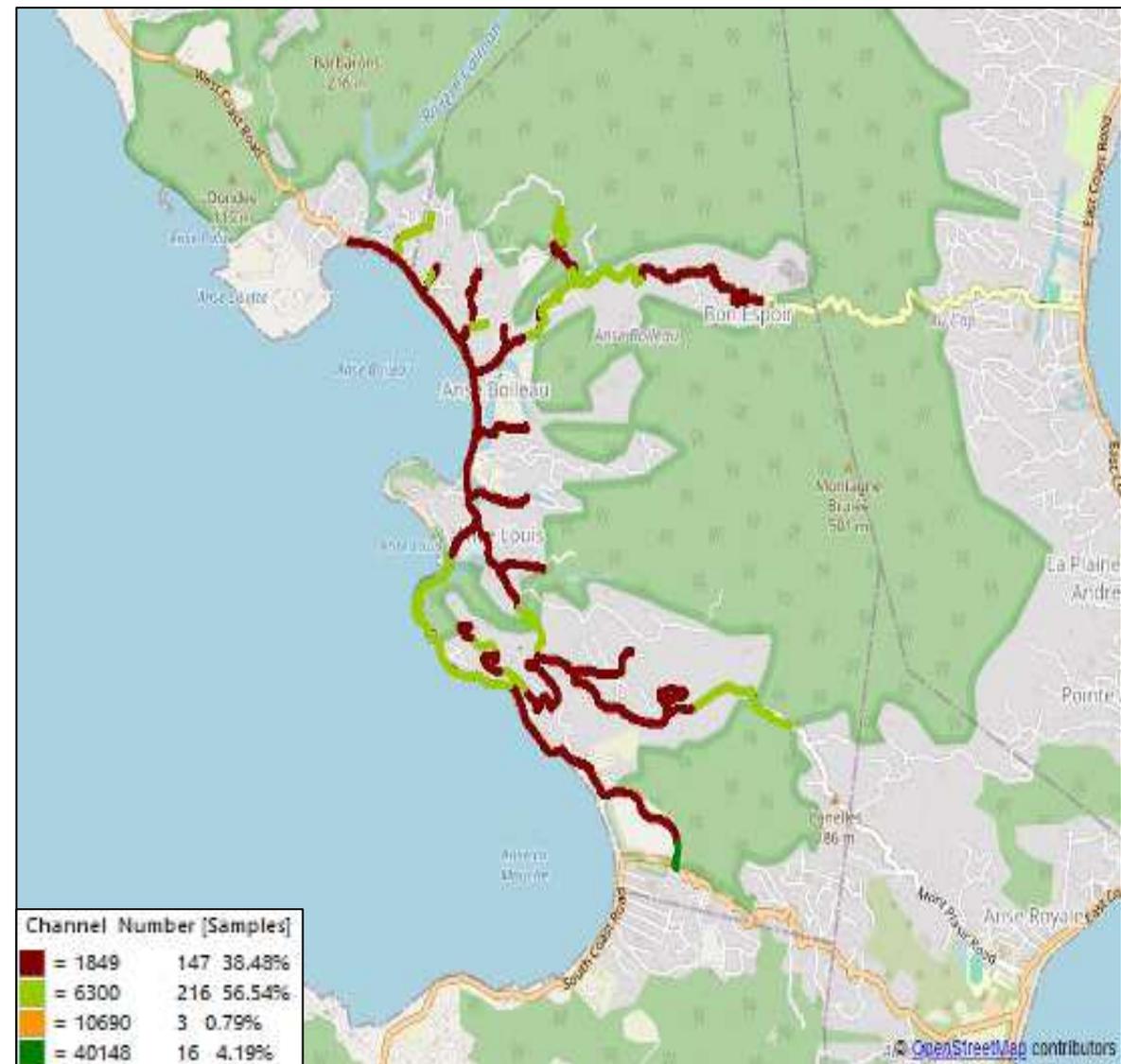
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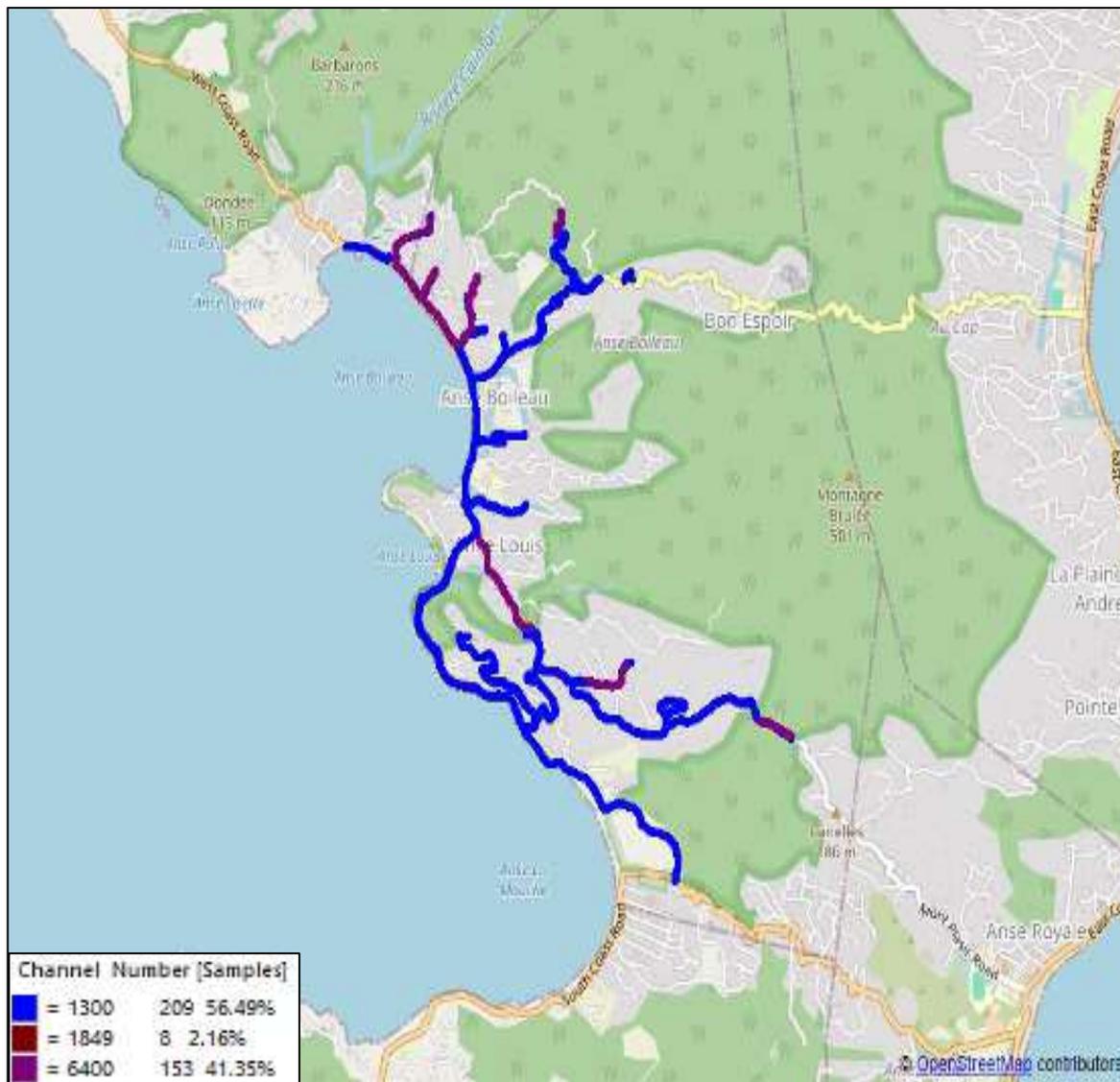
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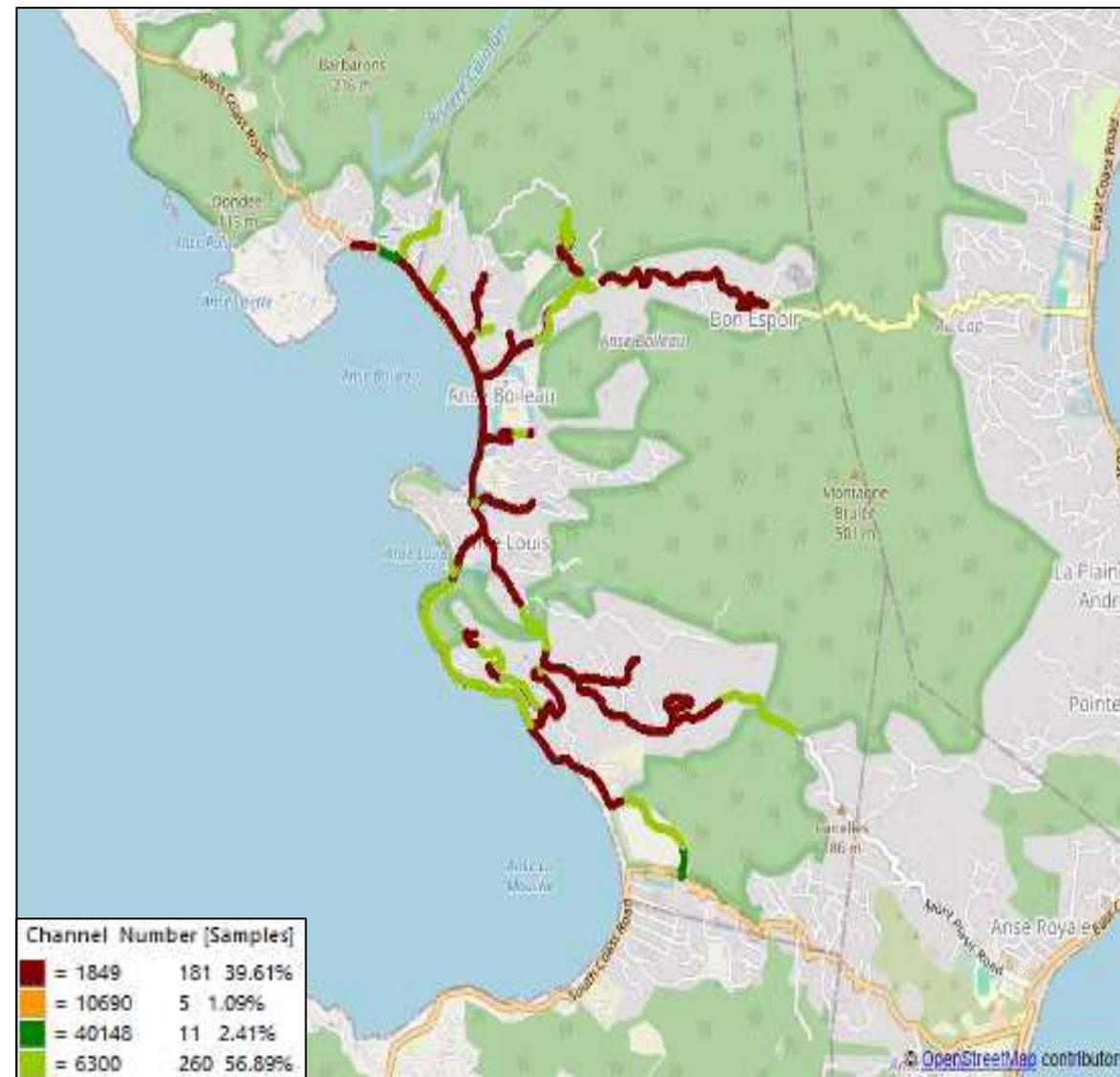
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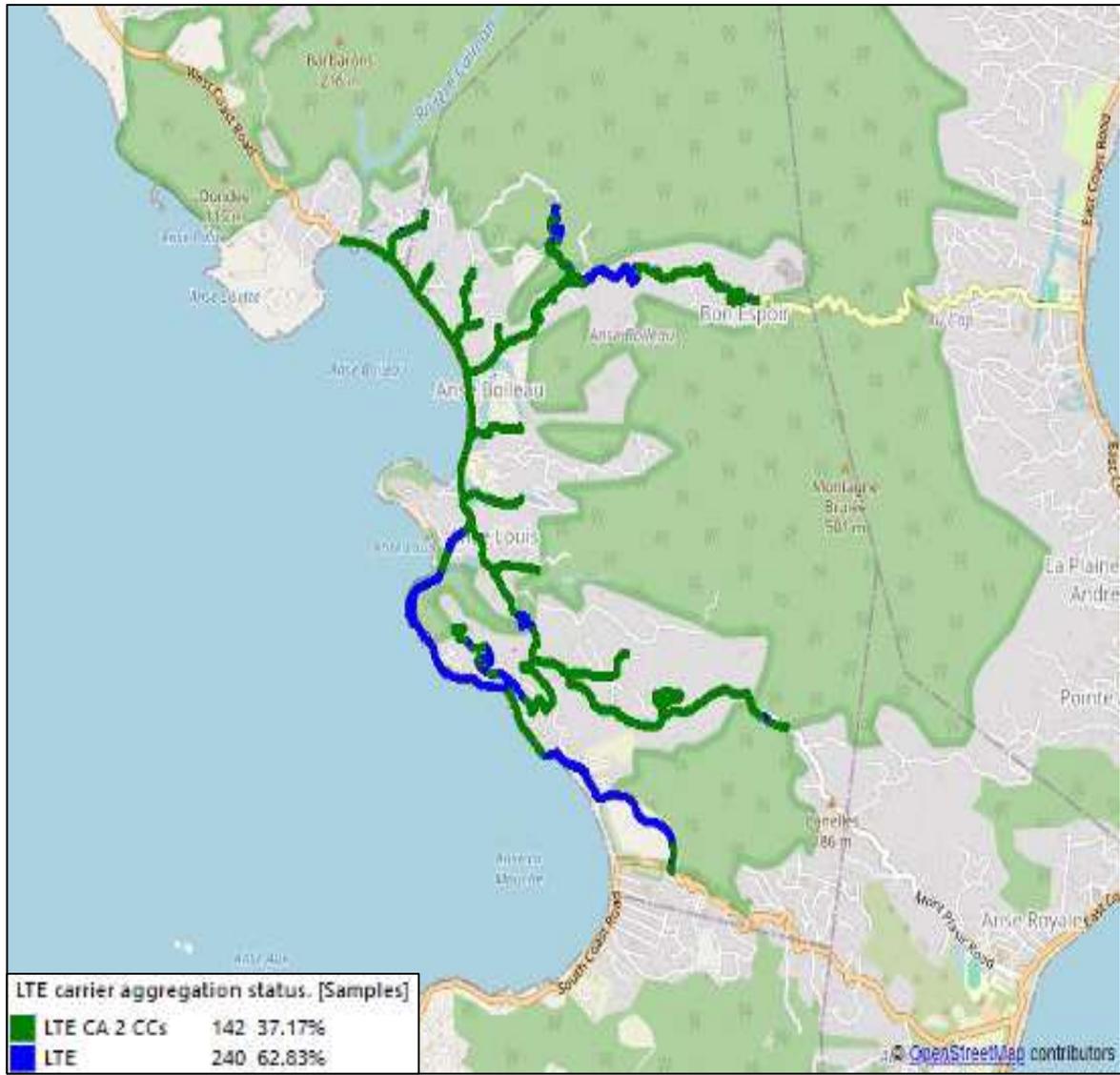
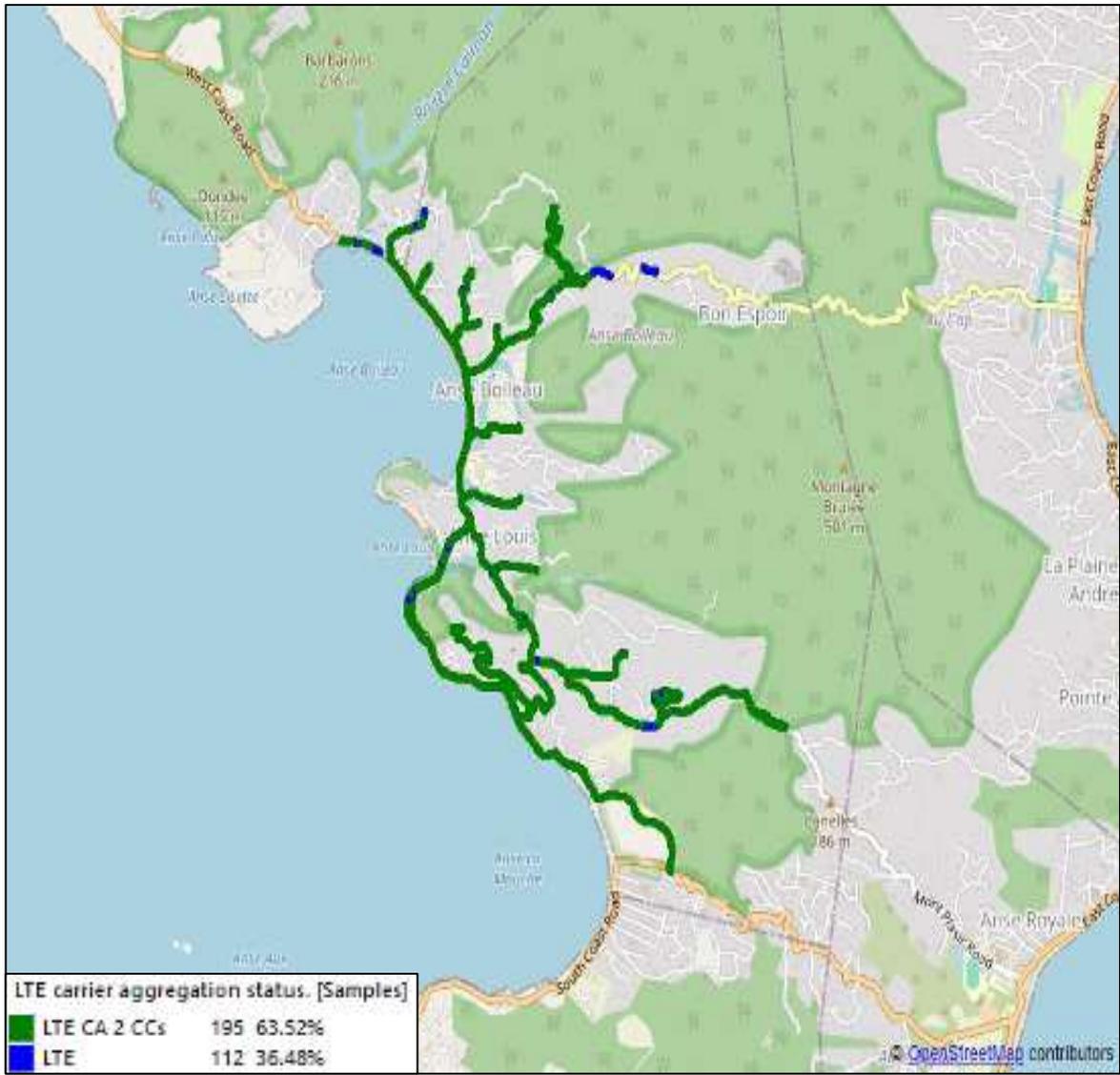


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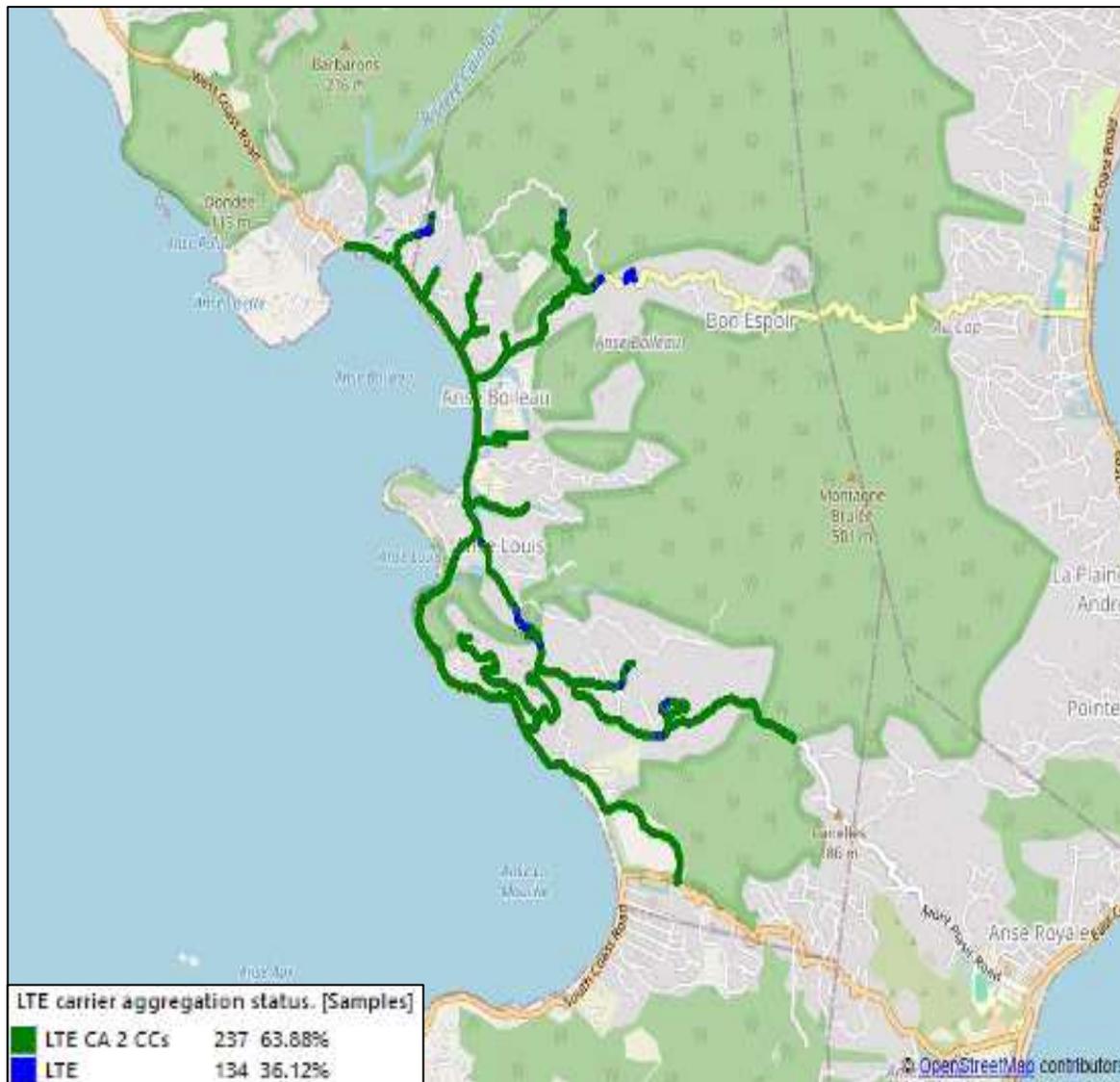


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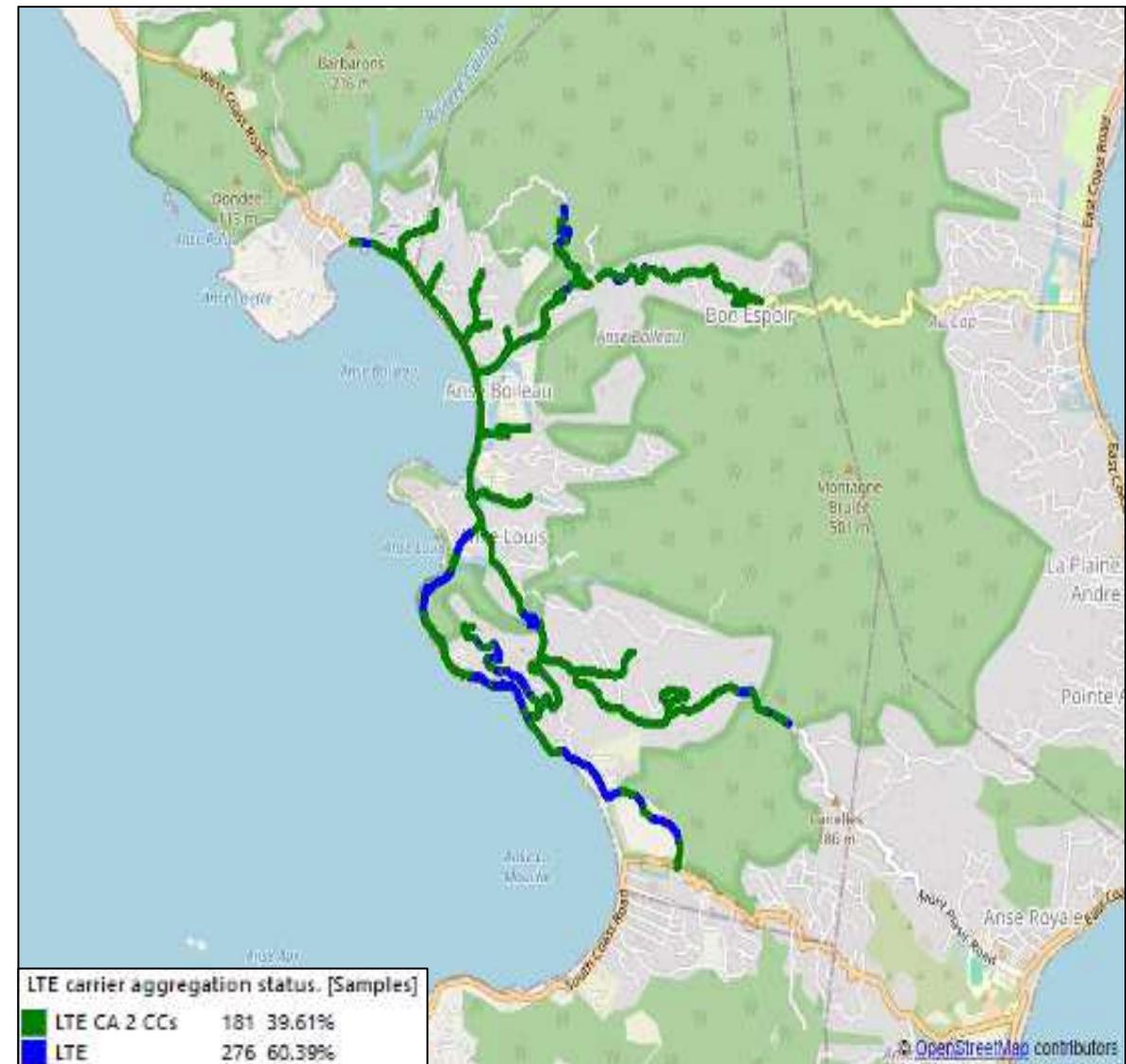
CWS Data 4G



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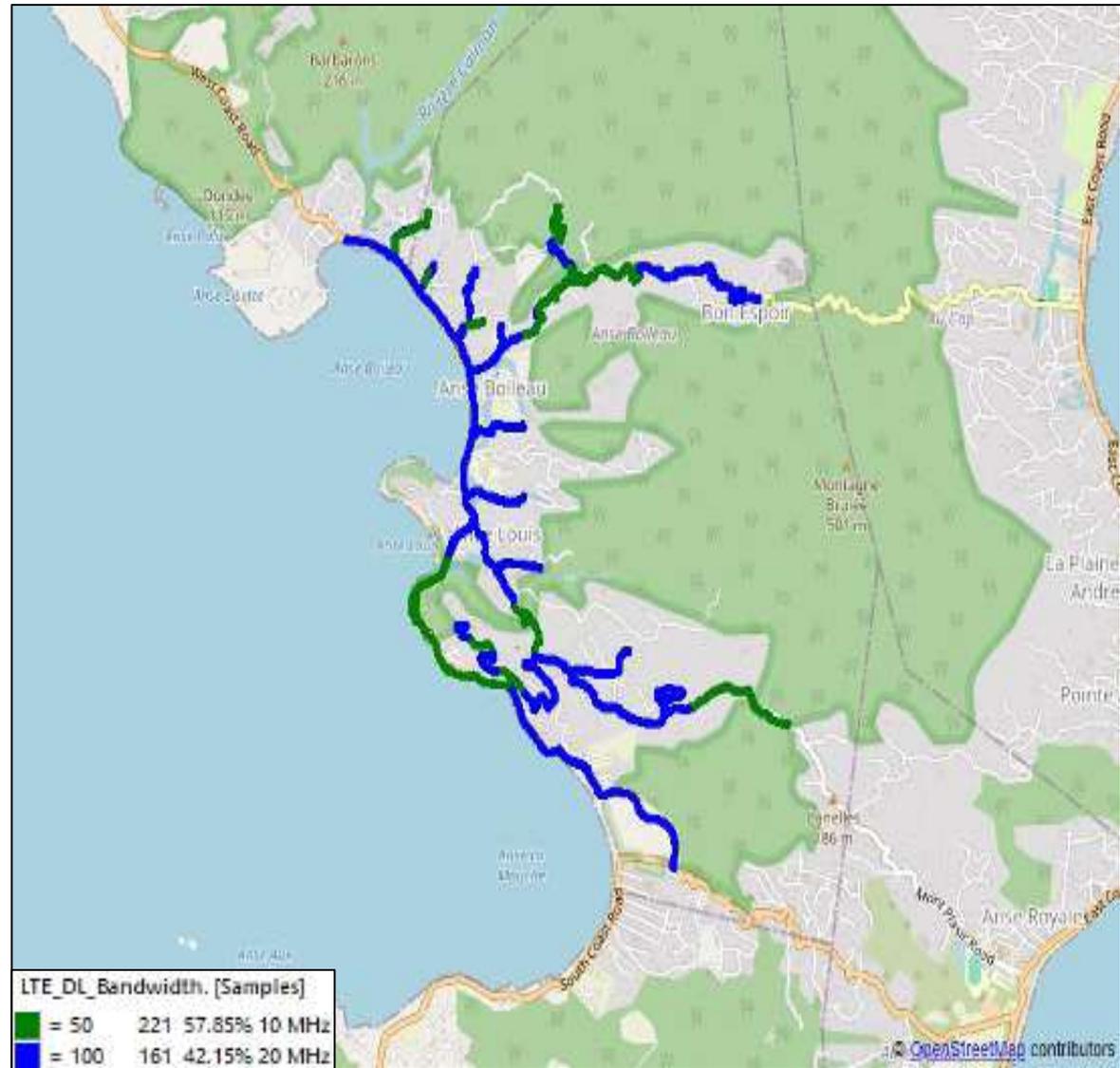
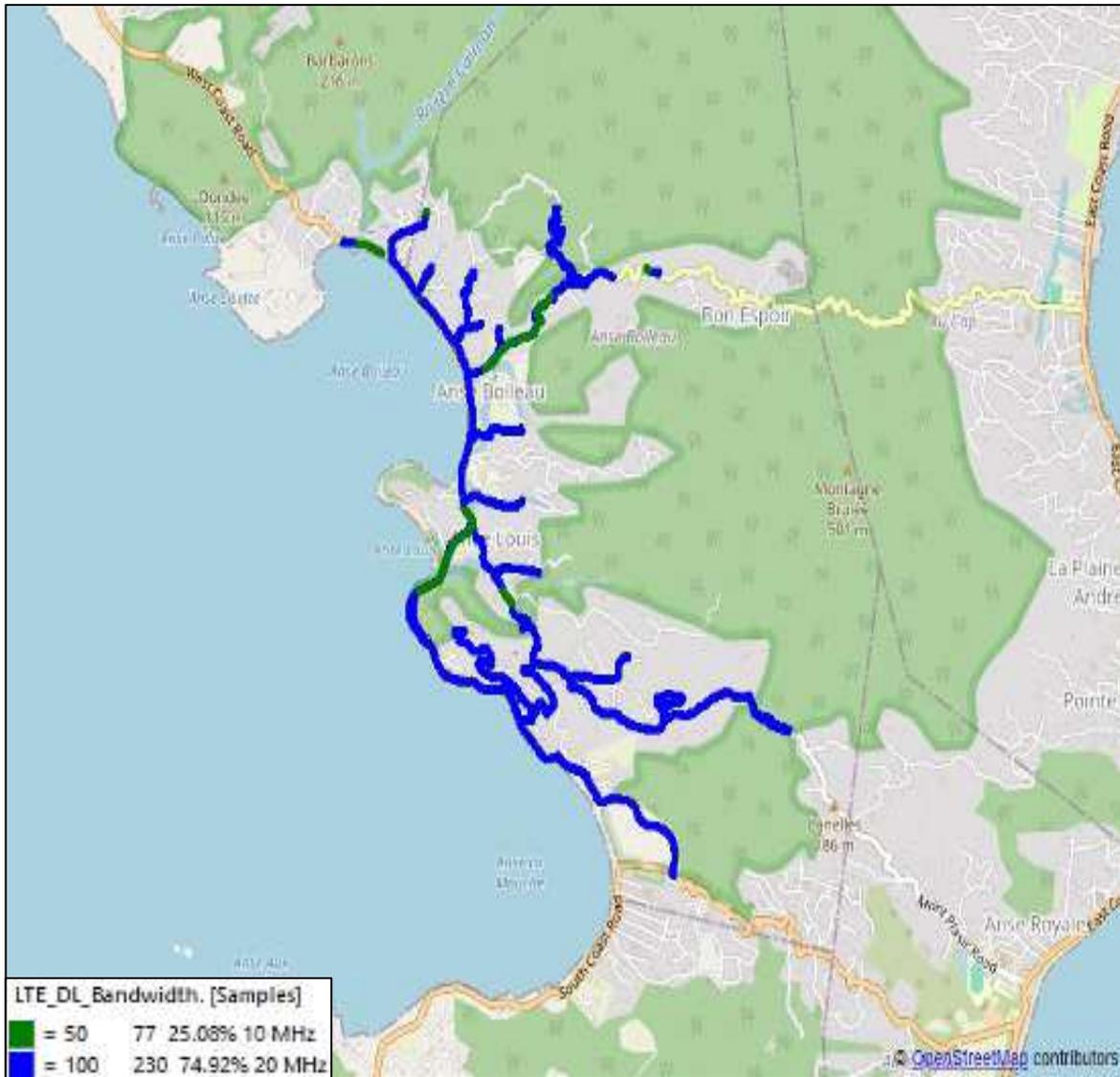


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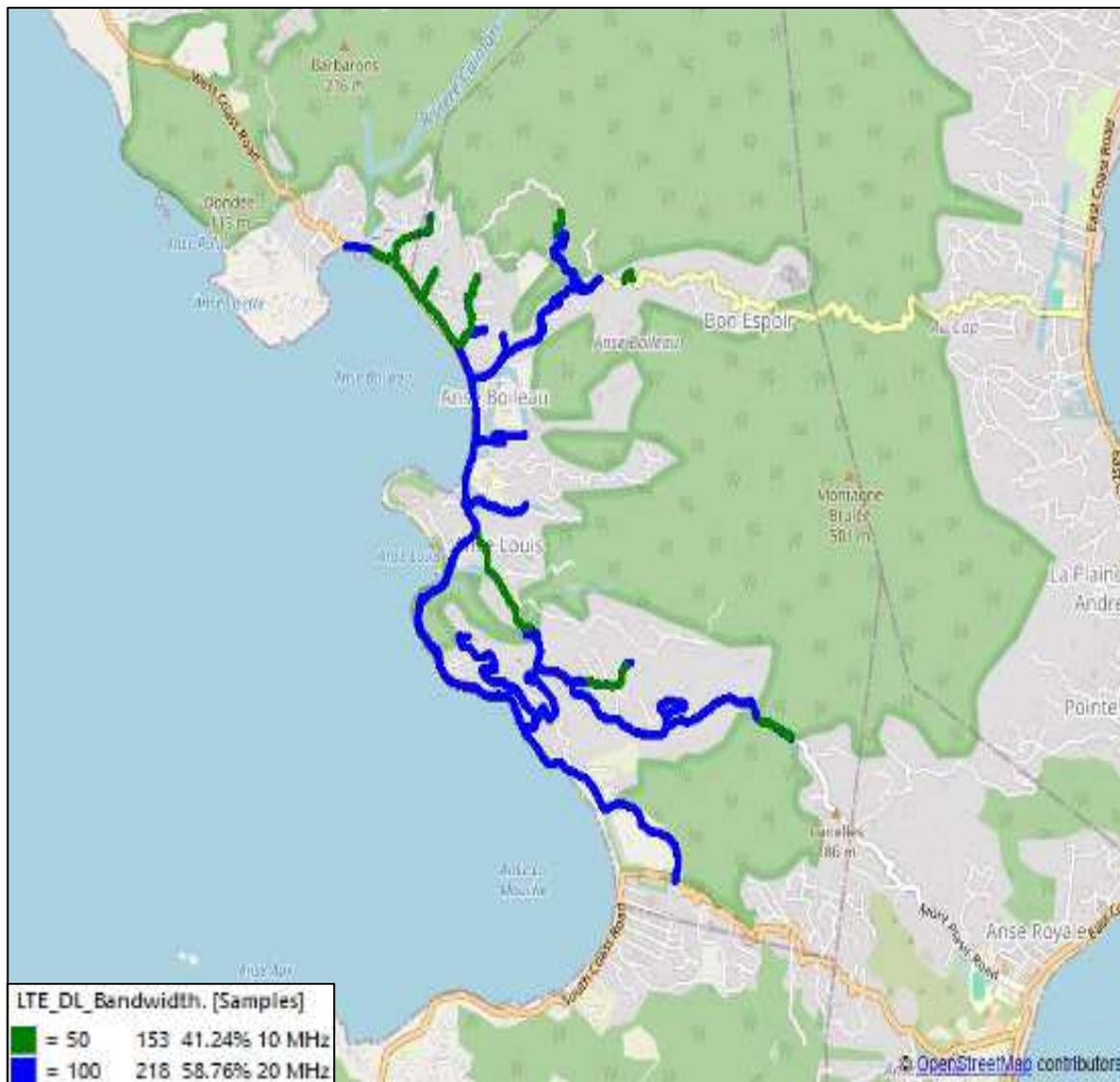


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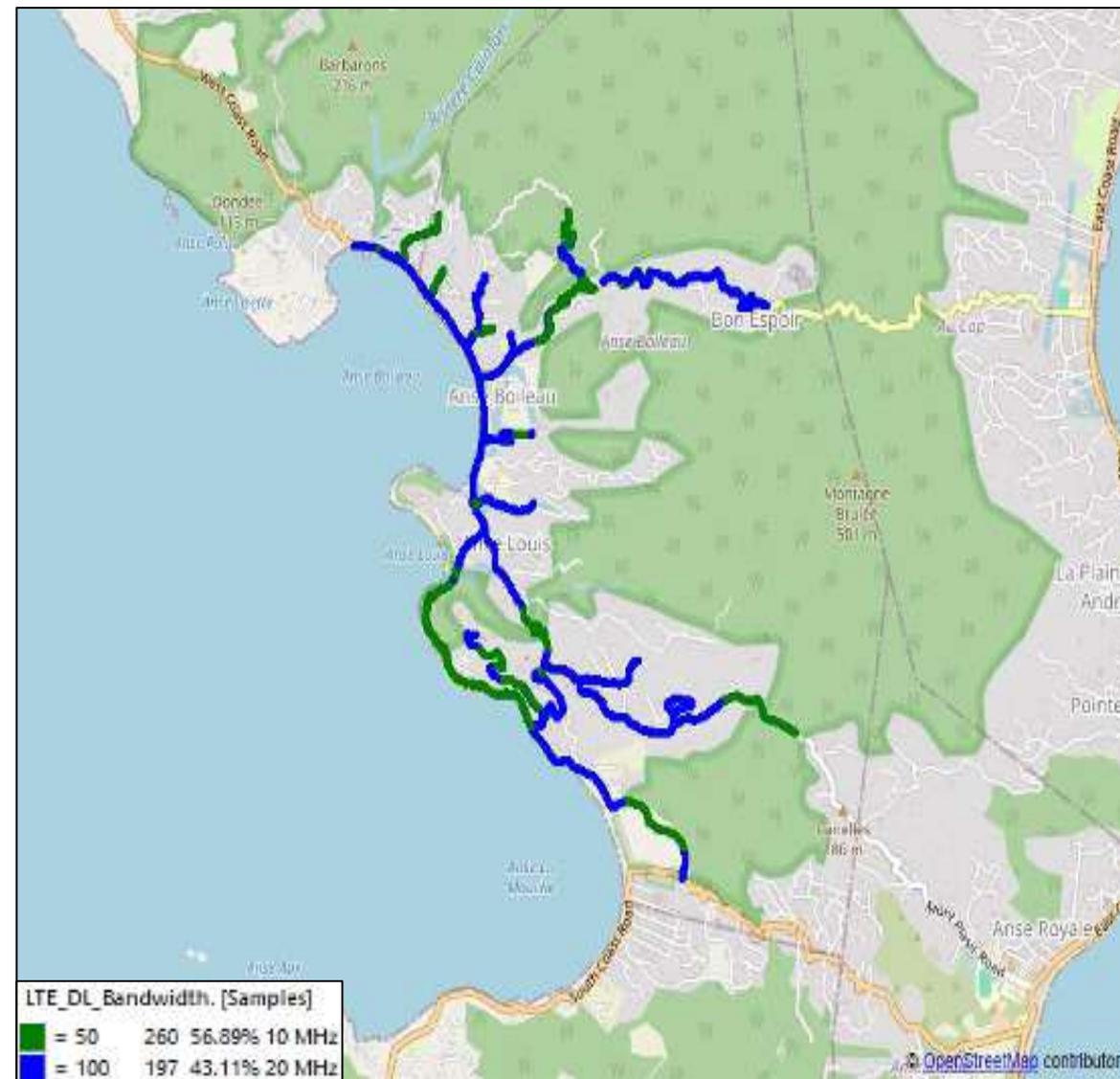
CWS Data 4G



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	1
Poor Coverage	1

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

Call Drop cause from Airtel	Count
Total Call Drop	0
Poor Coverage	0

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

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

	Time	System	Serving band	1. best active RSCP	Time	Ch	SC	1. best ↓	Event ID	System	Transf. dir.	Time	Subchannel	Message name	Msg. type
1.	12:25:52.530	UMTS FDD	2100	1206.	12:25:46.071	10588	19	-11	3774.	RRCSCM	Uplink	12:25:35.066	DCCH	INITIAL_DIRECT_TRANSFER	
				1207.	12:25:46.522	10588	19	-100.7	3775.	L3SM	Uplink	12:25:35.066	DCCH	CM_SERVICE_REQUEST	
				1208.	12:25:46.522	10588	19	-10.2	3776.	RRCSCM	Uplink	12:25:35.066	DCCH	INITIAL_DIRECT_TRANSFER	
				1209.	12:25:47.021	10588	124	-106.2	3777.	L3SM	Uplink	12:25:35.066	DCCH	ROUTING_AREA_UPDATE_REQUEST	
				1210.	12:25:47.021	10588	124	-16.8	3778.	RRCSCM	Downlink	12:25:35.299	DCCH	MEASUREMENT_CONTROL	
				1211.	12:25:47.520	10588	124	-101.3	3779.	RRCSCM	Downlink	12:25:35.379	DCCH	MEASUREMENT_CONTROL	
				1212.	12:25:47.520	10588	124	-14.1	3780.	RRCSCM	Downlink	12:25:35.389	DCCH	MEASUREMENT_CONTROL	
				1213.	12:25:48.395	10588	124	-104.3	3781.	RRCSCM	Downlink	12:25:35.399	DCCH	MEASUREMENT_CONTROL	
				1214.	12:25:48.395	10588	124	-16.3	3782.	RRCSCM	Downlink	12:25:35.409	DCCH	MEASUREMENT_CONTROL	
				1215.	12:25:48.520	10588	19	-105.7	3783.	RRCSCM	Downlink	12:25:35.449	DCCH	DOWNLINK_DIRECT_TRANSFER	
				1216.	12:25:48.520	10588	19	-17	3784.	L3SM	Downlink	12:25:35.449	DCCH	AUTHENTICATION_REQUEST	
				1217.	12:25:49.396	10588	19	-103.9	3785.	RRCSCM	Uplink	12:25:35.578	DCCH	UPLINK_DIRECT_TRANSFER	
				1218.	12:25:49.396	10588	19	-12.8	3786.	L3SM	Uplink	12:25:35.578	DCCH	AUTHENTICATION_RESPONSE	
				1219.	12:25:49.826	10588	19	-101.9	3787.	RRCSCM	Downlink	12:25:35.679	DCCH	SECURITY_MODE_COMMAND	
				1220.	12:25:49.826	10588	19	-14.1	3788.	RRCSCM	Uplink	12:25:35.680	DCCH	SECURITY_MODE_COMPLETE	
				1221.	12:25:50.395	10588	19	-100.8	3789.	RRCSCM	Uplink	12:25:35.770	DCCH	UPLINK_DIRECT_TRANSFER	
				1222.	12:25:50.395	10588	19	-11.6	3790.	L3SM	Uplink	12:25:35.770	DCCH	SETUP	
				1223.	12:25:50.896	10588	19	-101.8	3791.	RRCSCM	Downlink	12:25:35.779	DCCH	DOWNLINK_DIRECT_TRANSFER	
				1224.	12:25:50.896	10588	19	-13.7	3792.	L3SM	Downlink	12:25:35.779	DCCH	IDENTITY_REQUEST	
				1225.	12:25:51.393	10588	19	-99.2	3793.	RRCSCM	Uplink	12:25:35.780	DCCH	UPLINK_DIRECT_TRANSFER	
				1226.	12:25:51.393	10588	19	-10.7	3794.	L3SM	Uplink	12:25:35.780	DCCH	IDENTITY_RESPONSE	
				1227.	12:25:52.019	10588	19	-102.5	3795.	RRCSCM	Downlink	12:25:35.899	DCCH	DOWNLINK_DIRECT_TRANSFER	
				1228.	12:25:52.019	10588	19	-11.6	3796.	L3SM	Downlink	12:25:35.899	DCCH	CALL_PROCEEDING	
				1229.	12:25:52.392	10588	19	-103.4	3797.	RRCSCM	Uplink	12:25:36.576	DCCH	MEASUREMENT_REPORT	
				1230.	12:25:52.392	10588	19	-14.1	3798.	RRCSCM	Uplink	12:25:36.580	DCCH	MEASUREMENT_REPORT	
				1231.	12:26:24.331	3050	19	-103	3799.	RRCSCM	Downlink	12:25:36.669	DCCH	ACTIVE_SET_UPDATE	
				1232.	12:26:24.331	3050	19	-13.7	3800.	RRCSCM	Uplink	12:25:36.691	DCCH	ACTIVE_SET_UPDATE_COMPLETE	
				1233.	12:26:24.564	3050	19	-103	3801.	RRCSCM	Uplink	12:25:36.732	DCCH	MEASUREMENT_REPORT	
				1234.	12:26:24.564	3050	19	-17.4	3802.	RRCSCM	Uplink	12:25:36.732	DCCH	MEASUREMENT_REPORT	
				1235.	12:26:25.394	3050	19	-103	3803.	RRCSCM	Downlink	12:25:36.799	DCCH	MEASUREMENT_CONTROL	
				1236.	12:26:25.394	3050	19	-13	3804.	RRCSCM	Uplink	12:25:40.062	DCCH	MEASUREMENT_REPORT	
				1237.	12:26:25.691	3050	19	-103	3805.	RRCSCM	Downlink	12:25:41.639	DCCH	RADIO_BEARER_SETUP	
				1238.	12:26:25.691	3050	19	-19.7	3806.	RRCSCM	Uplink	12:25:42.003	DCCH	RADIO_BEARER_SETUP_COMPLETE	
				1239.	12:26:26.124	3050	19	-103	3807.	RRCSCM	Downlink	12:25:42.290	DCCH	RADIO_BEARER_RECONFIGURATION	
				1240.	12:26:26.124	3050	19	-12.7	3808.	RRCSCM	Downlink	12:25:42.330	DCCH	DOWNLINK_DIRECT_TRANSFER	
				1241.	12:26:26.874	3050	19	-103	3809.	L3SM	Downlink	12:25:42.330	DCCH	PROGRESS	
				1242.	12:26:26.874	3050	19	-11.5	3810.	RRCSCM	Uplink	12:25:42.331	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE	

Analysis:

- This call failure event occurred on short call at 12:25:52:530 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 19 and RF condition RSCP -105.7 dBm and Ec/No -17 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	1. best active RSCP	Time	Ch	SC	1. best ▲	Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	13:09:39.871	UMTS FDD	2100	Dro	4755. -81.5	13:09:04.010	10690	139		13737.	RRC	Downlink	13:09:36.806	BCCH_BCH	SYSTEM_INFORMATION_BCH
2.	13:55:04.448	UMTS FDD	2100	Dro	4756.	13:09:04.010	10690	139	-5.7	13738.	RRC	Downlink	13:09:36.826	BCCH_BCH	SYSTEM_INFORMATION_BCH
					4757. -77.7	13:09:04.408	10690	139		13739.	RRC	Downlink	13:09:36.839	CCCH	RRC_CONNECTION_SETUP
					4758.	13:09:04.408	10690	139	-4.7	13740.	RRC	Uplink	13:09:36.894	DCCH	RRC_CONNECTION_SETUP_COMPLETE
					4759. -83.6	13:09:04.969	10690	139		13741.	RRC	Uplink	13:09:36.894	DCCH	INITIAL_DIRECT_TRANSFER
					4760.	13:09:04.969	10690	139	-6	13742.	L3SM	Uplink	13:09:36.894	DCCH	CM_SERVICE_REQUEST
					4761. -87.4	13:09:05.488	10690	139		13743.	RRC	Uplink	13:09:36.894	DCCH	INITIAL_DIRECT_TRANSFER
					4762.	13:09:05.488	10690	139	-6	13744.	L3SM	Uplink	13:09:36.894	DCCH	ROUTING_AREA_UPDATE_REQUEST
					4763. -87	13:09:06.010	10690	139		13745.	RRC	Downlink	13:09:37.208	DCCH	MEASUREMENT_CONTROL
					4764.	13:09:06.010	10690	139	-7.3	13746.	RRC	Downlink	13:09:37.218	DCCH	SECURITY_MODE_COMMAND
					4765. -83.4	13:09:06.469	10690	139		13747.	RRC	Uplink	13:09:37.218	DCCH	SECURITY_MODE_COMPLETE
					4766.	13:09:06.469	10690	139	-4.9	13748.	RRC	Uplink	13:09:37.288	DCCH	UPLINK_DIRECT_TRANSFER
					4767. -90	13:09:36.847	10690	139		13749.	L3SM	Uplink	13:09:37.288	DCCH	SETUP
					4768.	13:09:36.847	10690	139	-7.8	13750.	RRC	Downlink	13:09:37.327	DCCH	DOWNLINK_DIRECT_TRANSFER
					4769. -90	13:09:37.369	10690	139		13751.	L3SM	Downlink	13:09:37.327	DCCH	TMSI_REALLOCATION_COMMAND
					4770.	13:09:37.369	10690	139	-6.7	13752.	RRC	Uplink	13:09:37.328	DCCH	UPLINK_DIRECT_TRANSFER
					4771. -90	13:09:38.043	10690	139		13753.	L3SM	Uplink	13:09:37.328	DCCH	TMSI_REALLOCATION_COMPLETE
					4772.	13:09:38.043	10690	139	-6.9	13754.	RRC	Downlink	13:09:37.448	DCCH	DOWNLINK_DIRECT_TRANSFER
					4773. -90	13:09:38.589	10690	139		13755.	L3SM	Downlink	13:09:37.448	DCCH	CALL_PROCEEDING
					4774.	13:09:38.589	10690	139	-7.7	13756.	RRC	Downlink	13:09:39.048	DCCH	RADIO_BEARER_SETUP
					4775. -90	13:09:39.009	10690	139		13757.	RRC	Uplink	13:09:39.281	DCCH	RADIO_BEARER_SETUP_COMPLETE
					4776.	13:09:39.009	10690	139	-6.2	13758.	RRC	Downlink	13:09:39.527	DCCH	MEASUREMENT_CONTROL
					4777. -90	13:09:39.838	10690	139		13759.	RRC	Downlink	13:09:39.567	DCCH	MEASUREMENT_CONTROL
					4778.	13:09:39.838	10690	139	-5	13760.	RRC	Downlink	13:09:39.607	DCCH	MEASUREMENT_CONTROL
					4779. -90	13:09:40.279	10690	139		13761.	RRC	Downlink	13:09:39.647	DCCH	MEASUREMENT_CONTROL
					4780.	13:09:40.279	10690	139	-8.6	13762.	RRC	Downlink	13:09:39.727	DCCH	DOWNLINK_DIRECT_TRANSFER
					4781. -89.1	13:09:40.879	10690	139		13763.	L3SM	Downlink	13:09:39.727	DCCH	DISCONNECT
					4782.	13:09:40.879	10690	139	-5.8	13764.	RRC	Downlink	13:09:39.847	DCCH	DOWNLINK_DIRECT_TRANSFER
					4783. -93.4	13:09:41.379	10690	139		13765.	L3SM	Downlink	13:09:39.847	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
					4784.	13:09:41.379	10690	139	-7.7	13766.	RRC	Uplink	13:09:39.871	DCCH	UPLINK_DIRECT_TRANSFER
					4785. -86.1	13:09:41.578	10690	139		13767.	L3SM	Uplink	13:09:39.871	DCCH	RELEASE
					4786.	13:09:41.578	10690	139	-5.8	13768.	RRC	Uplink	13:09:39.886	DCCH	UPLINK_DIRECT_TRANSFER
					4787. -85.1	13:09:42.448	10690	139		13769.	L3SM	Uplink	13:09:39.886	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
					4788.	13:09:42.448	10690	139	-5.9	13770.	RRC	Downlink	13:09:40.007	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					4789. -62	13:11:04.584	10690	139		13771.	RRC	Downlink	13:09:40.087	DCCH	DOWNLINK_DIRECT_TRANSFER
					4790.	13:11:04.584	10690	139	-4.4	13772.	L3SM	Downlink	13:09:40.087	DCCH	RELEASE_COMPLETE
					4791. -62	13:11:05.316	10690	139		13773.	RRC	Uplink	13:09:40.830	DCCH	MEASUREMENT_REPORT

Analysis:

- This call failure event occurred on short call at 13:09:39:871 time when UE was latched with 3G network.
- After sending “CM Service Request” message to core network, then core network responds with “Call Proceeding ” message. After that call setup has been failed.
- During the session UE was latched with PSC 139 and RF condition RSCP - 90 dBm and ECNO -6.7 dB are very good.
- Need to check MT End.

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

	Time	Cell type	Band	Band (MHz)	Ch	PCI	RSRP	SNR		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
7799.	13:09:23.839	Serving	B20	800	6300	1	-94.3			14264.	RRCSM	LTE FDD	Uplink	13:09:07.824	DCCH	ULInformationTransfer
7800.	13:09:23.839							17.4		14265.	RRCSM	LTE FDD	Uplink	13:09:08.152	DCCH	MeasurementReport
7801.	13:09:24.408	Serving	B20	800	6300	1	-91.7			14266.	RRCSM	LTE FDD	Uplink	13:09:08.152	DCCH	MeasurementReport
7802.	13:09:24.408							16.3		14267.	RRCSM	LTE FDD	Downlink	13:09:11.027	PCCH	Paging
7803.	13:09:25.113	Serving	B20	800	6300	1	-90.9			14268.	RRCSM	LTE FDD	Downlink	13:09:12.307	PCCH	Paging
7804.	13:09:25.113							18.1		14269.	RRCSM	LTE FDD	Downlink	13:09:13.587	PCCH	Paging
7805.	13:09:25.630	Serving	B20	800	6300	1	-89.1			14270.	RRCSM	LTE FDD	Downlink	13:09:16.147	PCCH	Paging
7806.	13:09:25.630							20.3		14271.	RRCSM	LTE FDD	Downlink	13:09:17.427	PCCH	Paging
7807.	13:09:26.071	Serving	B20	800	6300	1	-90.8			14272.	RRCSM	LTE FDD	Downlink	13:09:18.707	PCCH	Paging
7808.	13:09:26.071							18.3		14273.	RRCSM	LTE FDD	Downlink	13:09:21.267	PCCH	Paging
7809.	13:09:26.506	Serving	B20	800	6300	1	-86.5			14274.	RRCSM	LTE FDD	Downlink	13:09:22.547	PCCH	Paging
7810.	13:09:26.506							22		14275.	RRCSM	LTE FDD	Downlink	13:09:23.827	PCCH	Paging
7811.	13:09:27.736	Serving	B20	800	6300	1	-90.6			14276.	RRCSM	LTE FDD	Downlink	13:09:25.107	PCCH	Paging
7812.	13:09:27.736							20.2		14277.	RRCSM	LTE FDD	Downlink	13:09:27.664	DCCH	RRConnectionRelease
7813.	13:09:28.409	Serving	B20	800	6300	1	-91.6			14278.	RRCSM	LTE FDD	Downlink	13:09:27.721	PCCH	Paging
7814.	13:09:28.409							20.3		14279.	RRCSM	LTE FDD	Downlink	13:09:28.057	PCCH	Paging
7815.	13:09:29.477	Serving	B3	1800	1849	1	-101.9			14280.	RRCSM	LTE FDD	Downlink	13:09:29.339	PCCH	Paging
7816.	13:09:29.477							18.7		14281.	RRCSM	LTE FDD	Downlink	13:09:29.473	BCCH-SCH	SystemInformationBlockType1
7817.	13:09:30.770	Serving	B3	1800	1849	1	-104.6			14282.	RRCSM	LTE FDD	Downlink	13:09:29.473	BCCH-SCH	SystemInformation - SIB2,SIB3
7818.	13:09:30.770							10.3		14283.	RRCSM	LTE FDD	Downlink	13:09:29.473	BCCH-SCH	SystemInformation - SIB5
7819.	13:09:32.350	Serving	B3	1800	1849	1	-105.7			14284.	RRCSM	LTE FDD	Downlink	13:09:33.178	PCCH	Paging
7820.	13:09:32.350							9.2		14285.	L3SM	LTE FDD	Uplink	13:09:33.488		DETACH_REQUEST
7821.	13:09:33.628	Serving	B3	1800	1849	1	-105.3			14286.	RRCSM	LTE FDD	Uplink	13:09:33.488	CCCH	RRConnectionRequest
7822.	13:09:33.628							9		14287.	RRCSM	LTE FDD	Downlink	13:09:33.555	CCCH	RRConnectionSetup
7823.	13:09:36.410									14288.	RRCSM	LTE FDD	Uplink	13:09:33.559	DCCH	RRConnectionSetupComplete
7824.	13:09:40.474	Serving	B20	800	6300	1	-88.8			14289.	RRCSM	LTE FDD	Downlink	13:09:39.989	BCCH-BCH	MasterInformationBlock
7825.	13:09:40.474							21		14290.	RRCSM	LTE FDD	Downlink	13:09:40.013	BCCH-SCH	SystemInformationBlockType1
7826.	13:09:41.002	Serving	B20	800	6300	1	-91.1			14291.	RRCSM	LTE FDD	Downlink	13:09:40.050	BCCH-SCH	SystemInformation - SIB2,SIB3
7827.	13:09:41.002							21.4		14292.	L3SM	LTE FDD	Uplink	13:09:40.069		ATTACH_REQUEST
7828.	13:09:41.511	Serving	B20	800	6300	1	-87.6			14293.	L3SM	LTE FDD	Uplink	13:09:40.097		PDN_CONNECTIVITY_REQUEST
7829.	13:09:41.511							20.4		14294.	RRCSM	LTE FDD	Uplink	13:09:40.097	CCCH	RRConnectionRequest
7830.	13:09:42.001	Serving	B20	800	6300	1	-84.6			14295.	RRCSM	LTE FDD	Downlink	13:09:40.097	BCCH-SCH	SystemInformation - SIB5
7831.	13:09:42.001							20.5		14296.	RRCSM	LTE FDD	Downlink	13:09:40.114	CCCH	RRConnectionSetup
7832.	13:09:42.406	Serving	B20	800	6300	1	-83.2			14297.	RRCSM	LTE FDD	Uplink	13:09:40.118	DCCH	RRConnectionSetupComplete
7833.	13:09:42.406							25.2		14298.	RRCSM	LTE FDD	Downlink	13:09:40.162	DCCH	DLInformationTransfer
7834.	13:09:43.018	Serving	B20	800	6300	1	-82.3			14299.	L3SM	LTE FDD	Downlink	13:09:40.162		ESM_INFORMATION_REQUEST
7835.	13:09:43.018							25.1		14300.	L3SM	LTE FDD	Uplink	13:09:40.162		ESM_INFORMATION_RESPONSE

Analysis:

- On MT End, During the setup fail, UE was latched with PCI 1 and RF condition RSRP -105.3 dBm is poor but SINR 9 dB was ok.
- As per the analysis call failure happened due to Poor coverage of the network.

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

	Time	System	Serving band	Call	1. best active RSCP	Time	Ch	SC	1. best ▲	Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	13:09:39.871	UMTS FDD	2100	Dro	7997.	13:54:56.352	10690	139	-12.5	23446.	RRCSM	Downlink	13:54:50.224	BCCH_BCH	SYSTEM_INFORMATION_BCH
2.	13:55:04.448	UMTS FDD	2100	Dro	7998.	-108.8	13:54:56.800	10690	139	23447.	RRCSM	Downlink	13:54:50.244	BCCH_BCH	SYSTEM_INFORMATION_BCH
					7999.	13:54:56.800	10690	139	-8.8	23448.	RRCSM	Downlink	13:54:50.244	BCCH	MASTER_INFORMATION_BLOCK
					8000.	-108	13:54:57.294	10690	139	23449.	RRCSM	Downlink	13:54:50.244	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					8001.	13:54:57.294	10690	139	-10.8	23450.	RRCSM	Downlink	13:54:50.258	CCCH	RRR_CONNECTION_SETUP
					8002.	-109	13:54:57.800	10690	139	23451.	RRCSM	Downlink	13:54:50.264	BCCH_BCH	SYSTEM_INFORMATION_BCH
					8003.	13:54:57.800	10690	139	-11.8	23452.	RRCSM	Downlink	13:54:50.264	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_5
					8004.	-100.7	13:54:58.352	10690	139	23453.	RRCSM	Downlink	13:54:50.284	BCCH_BCH	SYSTEM_INFORMATION_BCH
					8005.	13:54:58.352	10690	139	-6.8	23454.	RRCSM	Downlink	13:54:50.284	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
					8006.	-106.7	13:54:58.798	10690	139	23455.	RRCSM	Downlink	13:54:50.298	CCCH	RRR_CONNECTION_SETUP
					8007.	13:54:58.798	10690	139	-9.5	23456.	RRCSM	Uplink	13:54:50.353	DCCH	RRR_CONNECTION_SETUP_COMPLETE
					8008.	-102.1	13:54:59.353	10690	139	23457.	RRCSM	Uplink	13:54:50.354	DCCH	INITIAL_DIRECT_TRANSFER
					8009.	13:54:59.353	10690	139	-7.9	23458.	L3SM	Uplink	13:54:50.354	DCCH	CM_SERVICE_REQUEST
					8010.	-101	13:54:59.798	10690	139	23459.	RRCSM	Uplink	13:54:50.354	DCCH	INITIAL_DIRECT_TRANSFER
					8011.	13:54:59.798	10690	139	-10	23460.	L3SM	Uplink	13:54:50.354	DCCH	ROUTING_AREA_UPDATE_REQUEST
					8012.	-100.3	13:55:00.306	10690	139	23461.	RRCSM	Downlink	13:54:50.668	DCCH	MEASUREMENT_CONTROL
					8013.	13:55:00.306	10690	139	-10.2	23462.	RRCSM	Downlink	13:54:50.678	DCCH	SECURITY_MODE_COMMAND
					8014.	-99.5	13:55:00.848	10690	139	23463.	RRCSM	Uplink	13:54:50.678	DCCH	SECURITY_MODE_COMPLETE
					8015.	13:55:00.848	10690	139	-9.8	23464.	RRCSM	Uplink	13:54:50.749	DCCH	UPLINK_DIRECT_TRANSFER
					8016.	-100.8	13:55:01.350	10690	139	23465.	L3SM	Uplink	13:54:50.749	DCCH	SETUP
					8017.	13:55:01.350	10690	139	-10	23466.	RRCSM	Downlink	13:54:50.778	DCCH	DOWNLINK_DIRECT_TRANSFER
					8018.	-96.3	13:55:01.798	10690	139	23467.	L3SM	Downlink	13:54:50.778	DCCH	TMSI_REALLOCATION_COMMAND
					8019.	13:55:01.798	10690	139	-9	23468.	RRCSM	Uplink	13:54:50.778	DCCH	UPLINK_DIRECT_TRANSFER
					8020.	-99	13:55:02.426	10690	139	23469.	L3SM	Uplink	13:54:50.778	DCCH	TMSI_REALLOCATION_COMPLETE
					8021.	13:55:02.426	10690	139	-6.5	23470.	RRCSM	Downlink	13:54:50.908	DCCH	DOWNLINK_DIRECT_TRANSFER
					8022.	-101.9	13:55:02.798	10690	139	23471.	L3SM	Downlink	13:54:50.908	DCCH	CALL_PROCEEDING
					8023.	13:55:02.798	10690	139	-7.3	23472.	RRCSM	Downlink	13:54:55.698	DCCH	DOWNLINK_DIRECT_TRANSFER
					8024.	-98.1	13:55:03.352	10690	139	23473.	L3SM	Downlink	13:54:55.698	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
					8025.	13:55:03.352	10690	139	-9.5	23474.	RRCSM	Uplink	13:54:55.736	DCCH	UPLINK_DIRECT_TRANSFER
					8026.	-98.7	13:55:03.801	10690	139	23475.	L3SM	Uplink	13:54:55.736	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
					8027.	13:55:03.801	10690	139	-9.2	23476.	RRCSM	Downlink	13:54:55.998	DCCH	SECURITY_MODE_COMMAND
					8028.	-95.8	13:55:04.508	10690	139	23477.	RRCSM	Uplink	13:54:55.998	DCCH	SECURITY_MODE_COMPLETE
					8029.	13:55:04.508	10690	139	-8.8	23478.	RRCSM	Downlink	13:54:56.348	DCCH	DOWNLINK_DIRECT_TRANSFER
					8030.	-95.4	13:55:04.868	10690	139	23479.	L3SM	Downlink	13:54:56.348	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					8031.	13:55:04.868	10690	139	-9.1	23480.	RRCSM	Uplink	13:54:56.349	DCCH	UPLINK_DIRECT_TRANSFER
					8032.	-103.3	13:55:05.510	10690	139	23481.	L3SM	Uplink	13:54:56.349	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					8033.	13:55:05.510	10690	139	-10.7	23482.	RRCSM	Downlink	13:55:03.608	DCCH	RADIO_BEARER_SETUP

Analysis:

- This call failure event occurred on short call at 13:55:04:448 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 139 and RF condition RSCP -106.7 dBm is poor and Ec/No -9.5 dB which is ok.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-1 Call Drop Analysis 1 From MS11 CWS MO

	Time	System	Serving ban		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	12:22:07.758	GSM	900	215.	12:21:34.251						0		1586.	L3SM	GSM	Uplink	12:21:34.722	SACCH	MEASUREMENT_REPORT
2.	13:07:02.428	GSM	900	216.	12:21:34.336	-90	10	17	1	0			1587.	L3SM	GSM	Downlink	12:21:35.128	SACCH	SYSTEM_INFORMATION_TYPE_5TER
				217.	12:21:34.722						0		1588.	L3SM	GSM	Uplink	12:21:35.193	SACCH	MEASUREMENT_REPORT
				218.	12:21:34.902	-93	10	17	1	0			1589.	L3SM	GSM	Downlink	12:21:35.525	DCCH	ASSIGNMENT_COMMAND
				219.	12:21:35.193						0		1590.	L3SM	GSM	Uplink	12:21:35.585	DCCH	ASSIGNMENT_COMPLETE
				220.	12:21:35.525	-81	10	17	1	0			1591.	L3SM	GSM	Downlink	12:21:35.912	DCCH	ALERTING
				221.	12:21:35.986	-81	25	17	1	0			1592.	L3SM	GSM	Uplink	12:21:35.986	SACCH	MEASUREMENT_REPORT
				222.	12:21:35.986						7		1593.	L3SM	GSM	Downlink	12:21:36.032	DCCH	CONNECT
				223.	12:21:36.420						7		1594.	L3SM	GSM	Uplink	12:21:36.032	DCCH	CONNECT_ACKNOWLEDGE
				224.	12:21:36.466						0		1595.	L3SM	GSM	Downlink	12:21:36.420	SACCH	SYSTEM_INFORMATION_TYPE_5
				225.	12:21:36.530	-87	25	17	1	0			1596.	L3SM	GSM	Uplink	12:21:36.466	SACCH	MEASUREMENT_REPORT
				226.	12:21:36.946						0		1597.	L3SM	GSM	Downlink	12:21:36.900	SACCH	SYSTEM_INFORMATION_TYPE_5TER
				227.	12:21:37.079	-91	25	17	1	0			1598.	L3SM	GSM	Uplink	12:21:36.946	SACCH	MEASUREMENT_REPORT
				228.	12:21:37.426						5		1599.	L3SM	GSM	Downlink	12:21:37.380	SACCH	SYSTEM_INFORMATION_TYPE_6
				229.	12:21:37.609	-92	25	17	1	0			1600.	L3SM	GSM	Uplink	12:21:37.426	SACCH	MEASUREMENT_REPORT
				230.	12:21:37.906						5		1601.	L3SM	GSM	Downlink	12:21:37.859	SACCH	MEASUREMENT_INFORMATION
				231.	12:21:38.007	-93	25	17	1	0			1602.	L3SM	GSM	Uplink	12:21:37.906	SACCH	MEASUREMENT_REPORT
				232.	12:21:38.386						7		1603.	L3SM	GSM	Downlink	12:21:38.339	SACCH	MEASUREMENT_INFORMATION
				233.	12:21:38.391	-97	25	17	1	0			1604.	L3SM	GSM	Uplink	12:21:38.386	SACCH	MEASUREMENT_REPORT
				234.	12:21:38.866						5		1605.	L3SM	GSM	Downlink	12:21:38.820	SACCH	SYSTEM_INFORMATION_TYPE_5
				235.	12:21:39.333	-96	25	17	1	0			1606.	L3SM	GSM	Uplink	12:21:38.866	SACCH	MEASUREMENT_REPORT
				236.	12:21:39.346						7		1607.	L3SM	GSM	Downlink	12:21:39.300	SACCH	SYSTEM_INFORMATION_TYPE_5TER
				237.	12:21:39.594	-94	25	17	1	0			1608.	L3SM	GSM	Uplink	12:21:39.346	SACCH	MEASUREMENT_REPORT
				238.	12:21:40.306						6		1609.	L3SM	GSM	Uplink	12:21:39.826	SACCH	MEASUREMENT_REPORT
				239.	12:21:40.333	-96	25	17	1	0			1610.	L3SM	GSM	Downlink	12:21:40.260	SACCH	MEASUREMENT_INFORMATION
				240.	12:21:40.786	-94	25	17	1	0			1611.	L3SM	GSM	Uplink	12:21:40.306	SACCH	MEASUREMENT_REPORT
				241.	12:21:41.266	-96	25	17	1	0			1612.	L3SM	GSM	Downlink	12:21:40.739	SACCH	MEASUREMENT_INFORMATION
				242.	12:21:41.266						7		1613.	L3SM	GSM	Uplink	12:21:40.786	SACCH	MEASUREMENT_REPORT
				243.	12:21:41.757	-97	25	17	1	0			1614.	L3SM	GSM	Uplink	12:21:41.266	SACCH	MEASUREMENT_REPORT
				244.	12:21:42.336	-95	25	17	1	0			1615.	L3SM	GSM	Downlink	12:21:41.699	SACCH	SYSTEM_INFORMATION_TYPE_5TER
				245.	12:21:42.781	-95	25	17	1	0			1616.	L3SM	GSM	Uplink	12:21:41.746	SACCH	MEASUREMENT_REPORT
				246.	12:21:43.412	-98	25	17	1	0			1617.	L3SM	GSM	Downlink	12:21:42.179	SACCH	SYSTEM_INFORMATION_TYPE_6
				247.	12:21:43.892	-98	25	17	1	0			1618.	L3SM	GSM	Uplink	12:21:42.226	SACCH	MEASUREMENT_REPORT
				248.	12:21:44.510	-98	25	17	1	0			1619.	L3SM	GSM	Uplink	12:21:42.706	SACCH	MEASUREMENT_REPORT
				249.	12:21:44.754	-98	25	17	1	0			1620.	L3SM	GSM	Uplink	12:21:43.186	SACCH	MEASUREMENT_REPORT
				250.	12:21:45.590	-99	25	17	1	0			1621.	L3SM	GSM	Downlink	12:21:43.619	SACCH	SYSTEM_INFORMATION_TYPE_5

Analysis:

- This call drop event occurred on long call at 12:22:07:758 time when UE was latched with 2G network.
- After getting Alerting message at 12:21:35:912 time than Call drop happened.
- During the session UE was latched with ARFCN 25 and RF condition Rx Level -97 dBm and Rx Qual 7 dB both are poor.
- As per the analysis call Drop happened due to poor coverage of the network.

Phase-1 Call Drop Analysis 2 From MS11 CWS MO

	Time	System	Serving ban		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	12:22:07.758	GSM	900	1818.	13:06:54.604	-76	24	22	1	10		7891.	L3SM	GSM	Downlink	13:06:49.277	SACCH	SYSTEM_INFORMATION_TYPE_6
2.	13:07:02.428	GSM	900	1819.	13:06:55.084						0	7892.	L3SM	GSM	Uplink	13:06:49.324	SACCH	MEASUREMENT_REPORT
				1820.	13:06:55.411	-76	24	22	1	10		7893.	L3SM	GSM	Downlink	13:06:49.757	SACCH	MEASUREMENT_INFORMATION
				1821.	13:06:55.564						0	7894.	L3SM	GSM	Uplink	13:06:49.804	SACCH	MEASUREMENT_REPORT
				1822.	13:06:56.044	-76	24	22	1	10		7895.	L3SM	GSM	Downlink	13:06:50.237	SACCH	MEASUREMENT_INFORMATION
				1823.	13:06:56.044						0	7896.	L3SM	GSM	Uplink	13:06:50.284	SACCH	MEASUREMENT_REPORT
				1824.	13:06:56.524						0	7897.	L3SM	GSM	Downlink	13:06:50.717	SACCH	MEASUREMENT_INFORMATION
				1825.	13:06:57.004	-78	24	22	1	10		7898.	L3SM	GSM	Uplink	13:06:50.764	SACCH	MEASUREMENT_REPORT
				1826.	13:06:57.004						0	7899.	L3SM	GSM	Downlink	13:06:51.197	SACCH	MEASUREMENT_INFORMATION
				1827.	13:06:57.405	-78	24	22	1	10		7900.	L3SM	GSM	Uplink	13:06:51.244	SACCH	MEASUREMENT_REPORT
				1828.	13:06:57.484						0	7901.	L3SM	GSM	Downlink	13:06:51.677	SACCH	MEASUREMENT_INFORMATION
				1829.	13:06:57.991	-75	24	22	1	10		7902.	L3SM	GSM	Uplink	13:06:51.724	SACCH	MEASUREMENT_REPORT
				1830.	13:06:58.444	-73	24	22	1	10		7903.	L3SM	GSM	Downlink	13:06:52.157	SACCH	SYSTEM_INFORMATION_TYPE_5
				1831.	13:06:58.444						0	7904.	L3SM	GSM	Uplink	13:06:52.204	SACCH	MEASUREMENT_REPORT
				1832.	13:06:58.924	-75	24	22	1	10		7905.	L3SM	GSM	Downlink	13:06:52.637	SACCH	SYSTEM_INFORMATION_TYPE_5TER
				1833.	13:06:59.404						0	7906.	L3SM	GSM	Uplink	13:06:52.684	SACCH	MEASUREMENT_REPORT
				1834.	13:06:59.431	-77	24	22	1	10		7907.	L3SM	GSM	Downlink	13:06:53.117	SACCH	SYSTEM_INFORMATION_TYPE_6
				1835.	13:06:59.884						0	7908.	L3SM	GSM	Uplink	13:06:53.164	SACCH	MEASUREMENT_REPORT
				1836.	13:07:00.008	-72	24	22	1	10		7909.	L3SM	GSM	Downlink	13:06:53.597	SACCH	MEASUREMENT_INFORMATION
				1837.	13:07:00.364						0	7910.	L3SM	GSM	Uplink	13:06:53.644	SACCH	MEASUREMENT_REPORT
				1838.	13:07:00.411	-72	24	22	1	10		7911.	L3SM	GSM	Downlink	13:06:54.077	SACCH	MEASUREMENT_INFORMATION
				1839.	13:07:00.848	-74	24	22	1	10		7912.	L3SM	GSM	Uplink	13:06:54.124	SACCH	MEASUREMENT_REPORT
				1840.	13:07:01.568	-75	24	22	1	10		7913.	L3SM	GSM	Downlink	13:06:54.557	SACCH	MEASUREMENT_INFORMATION
				1841.	13:07:02.284						0	7914.	L3SM	GSM	Uplink	13:06:54.604	SACCH	MEASUREMENT_REPORT
				1842.	13:07:02.348	-75	24	22	1	10		7915.	L3SM	GSM	Downlink	13:06:55.037	SACCH	MEASUREMENT_INFORMATION
				1843.	13:07:02.717							7916.	L3SM	GSM	Uplink	13:06:55.084	SACCH	MEASUREMENT_REPORT
				1844.	13:07:02.894	-75	24	22	1	10		7917.	L3SM	GSM	Downlink	13:06:55.517	SACCH	MEASUREMENT_INFORMATION
				1845.	13:19:24.052	-90	24	22	10	10		7918.	L3SM	GSM	Uplink	13:06:55.564	SACCH	MEASUREMENT_REPORT
				1846.	13:19:24.052						0	7919.	L3SM	GSM	Downlink	13:06:55.997	SACCH	SYSTEM_INFORMATION_TYPE_5
				1847.	13:19:24.471	-89	24	22	10	10		7920.	L3SM	GSM	Uplink	13:06:56.044	SACCH	MEASUREMENT_REPORT
				1848.	13:19:24.471						0	7921.	L3SM	GSM	Downlink	13:06:56.477	SACCH	SYSTEM_INFORMATION_TYPE_5TER
				1849.	13:19:25.281						0	7922.	L3SM	GSM	Uplink	13:06:56.524	SACCH	MEASUREMENT_REPORT
				1850.	13:19:25.282	-85	24	22	1	10		7923.	L3SM	GSM	Downlink	13:06:56.957	SACCH	SYSTEM_INFORMATION_TYPE_6
				1851.	13:19:25.325						0	7924.	L3SM	GSM	Uplink	13:06:57.004	SACCH	MEASUREMENT_REPORT
				1852.	13:19:25.806						0	7925.	L3SM	GSM	Downlink	13:06:57.437	SACCH	MEASUREMENT_INFORMATION
				1853.	13:19:25.810	-86	24	22	1	10		7926.	L3SM	GSM	Uplink	13:06:57.484	SACCH	MEASUREMENT_REPORT

Analysis:

- This call drop event occurred on long call at 13:07:02:428 time when UE was latched with 2G network.
- After getting Alerting message at 13:06:41:862 time than Call drop happened.
- During the session UE was latched with ARFCN 24 and RF condition Rx Level -75 dBm and Rx Qual 0 dB both are ok.
- Need to check from MT end.

Phase-1 Call Drop Analysis 2 From MS12 CWS MT

	1. best active RSCP	Time	Ch	SC	1. best active Ec/NO	Event ID	System	Transf. dir.	Time	Subchannel	Message name
7063.	-89.3	13:06:54.959	10690	339		7305.	RRC	Downlink	13:07:02.092	BCCH	SCHEDULING_BLOCK_1
7064.		13:06:54.959	10690	339	-16.2	7306.	RRC	Downlink	13:07:02.092	BCCH_BCH	SYSTEM_INFORMATION_BCH
7065.	-87.1	13:06:55.411	10690	339		7307.	RRC	Downlink	13:07:02.092	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_19
7066.		13:06:55.411	10690	339	-12.4	7308.	RRC	Downlink	13:07:02.092	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_19
7067.	-101.7	13:06:55.960	10690	339		7309.	RRC	Uplink	13:07:02.306	CCCH	RRC_CONNECTION_REQUEST
7068.	-94.9	13:06:56.698	10690	339		7310.	RRC	Downlink	13:07:02.307	BCCH_BCH	SYSTEM_INFORMATION_BCH
7069.		13:06:56.698	10690	339	-13.6	7311.	RRC	Downlink	13:07:02.307	BCCH_BCH	SYSTEM_INFORMATION_BCH
7070.	-99.5	13:06:57.182	10690	339		7312.	RRC	Downlink	13:07:02.307	BCCH	MASTER_INFORMATION_BLOCK
7071.		13:06:57.182	10690	339	-25.8	7313.	RRC	Downlink	13:07:02.307	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
7072.	-97	13:06:57.613	10690	339		7314.	RRC	Downlink	13:07:02.307	BCCH_BCH	SYSTEM_INFORMATION_BCH
7073.		13:06:57.613	10690	339	-22.9	7315.	RRC	Downlink	13:07:02.307	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_2
7074.	-103.9	13:06:58.192	10690	339		7316.	RRC	Downlink	13:07:02.307	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
7075.	-103.5	13:06:58.791	10690	339		7317.	RRC	Downlink	13:07:02.307	BCCH_BCH	SYSTEM_INFORMATION_BCH
7076.		13:06:58.791	10690	339	-23.6	7318.	RRC	Downlink	13:07:02.307	BCCH_BCH	SYSTEM_INFORMATION_BCH
7077.	-101.3	13:06:59.292	10690	339		7319.	RRC	Downlink	13:07:02.307	BCCH_BCH	SYSTEM_INFORMATION_BCH
7078.	-103.2	13:06:59.733	10690	339		7320.	RRC	Downlink	13:07:02.307	BCCH	MASTER_INFORMATION_BLOCK
7079.		13:06:59.733	10690	339	-19.2	7321.	RRC	Downlink	13:07:02.307	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
7080.	-102.2	13:07:00.190	10690	339		7322.	RRC	Downlink	13:07:02.307	BCCH_BCH	SYSTEM_INFORMATION_BCH
7081.		13:07:00.190	10690	339	-25.9	7323.	RRC	Downlink	13:07:02.307	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_5
7082.	-105	13:07:00.614	10690	339		7324.	RRC	Downlink	13:07:02.307	CCCH	RRC_CONNECTION_SETUP
7083.		13:07:00.614	10690	339	-25.6	7325.	RRC	Uplink	13:07:02.507	DCCH	RRC_CONNECTION_SETUP_COMPLETE
7084.	-107.3	13:07:01.329	10690	339		7326.	RRC	Uplink	13:07:02.508	DCCH	INITIAL_DIRECT_TRANSFER
7085.		13:07:01.329	10690	339	-25.9	7327.	L3SM	Uplink	13:07:02.508	DCCH	LOCATION_UPDATING_REQUEST
7086.	-107.3	13:07:02.836	10690	339		7328.	RRC	Downlink	13:07:02.834	DCCH	MEASUREMENT_CONTROL
7087.		13:07:02.836	10690	339	-25.9	7329.	RRC	Downlink	13:07:02.834	DCCH	DOWNLINK_DIRECT_TRANSFER
7088.	-107.3	13:07:03.411	10690	339		7330.	L3SM	Downlink	13:07:02.834	DCCH	IDENTITY_REQUEST
7089.		13:07:03.411	10690	339	-25.9	7331.	RRC	Uplink	13:07:02.834	DCCH	UPLINK_DIRECT_TRANSFER
7090.	-82	13:10:13.246	10690	139		7332.	L3SM	Uplink	13:07:02.834	DCCH	IDENTITY_RESPONSE
7091.		13:10:13.246	10690	139	-7.3	7333.	RRC	Downlink	13:07:02.835	DCCH	DOWNLINK_DIRECT_TRANSFER
7092.	-82	13:10:13.708	10690	139		7334.	L3SM	Downlink	13:07:02.835	DCCH	IDENTITY_REQUEST
7093.		13:10:13.708	10690	139	-6.1	7335.	RRC	Uplink	13:07:02.835	DCCH	UPLINK_DIRECT_TRANSFER
7094.	-82	13:10:14.121	10690	139		7336.	L3SM	Uplink	13:07:02.835	DCCH	IDENTITY_RESPONSE
7095.		13:10:14.121	10690	139	-5.6	7337.	RRC	Downlink	13:07:03.105	DCCH	SECURITY_MODE_COMMAND
7096.	-82	13:10:14.613	10690	139		7338.	RRC	Uplink	13:07:03.105	DCCH	SECURITY_MODE_COMPLETE
7097.		13:10:14.613	10690	139	-5.2	7339.	RRC	Downlink	13:07:03.105	DCCH	DOWNLINK_DIRECT_TRANSFER
7098.	-82	13:10:15.329	10690	139		7340.	L3SM	Downlink	13:07:03.105	DCCH	LOCATION_UPDATING_ACCEPT
7099.		13:10:15.329	10690	139	-5	7341.	RRC	Uplink	13:07:03.106	DCCH	UPLINK_DIRECT_TRANSFER

Analysis:

- During the session UE was latched with PSC 339 and RF condition RSCP -107.3 dBm and Ec/No -25.9 dB both are poor
- As per the analysis call failed happened due to poor coverage of the network.

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

Call Attempt Failure cause from Airtel	Count
Total Call Attempt Failure	3
Poor Coverage	2
Network End	1

Call Attempt Failure cause from CWS	Count
Total Call Attempt Failure	8
Poor Coverage	6
Poor Quality	1
Network End	1

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

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		1. best active RSCP	Time	Ch	SC	1. best active Ec/NO		System	Transf. dir.	Time	Subchannel	Message name	
1.	10:19:50.180	UMTS FDD	900	Dr	4365. -73.5	10:19:42.033	3050	3			15229.	UMTS FDD	Downlink	10:19:37.999	DCCH	DOWNLINK_DIRECT_TRANSFER
2.	10:33:27.200	UMTS FDD	2100	Tim	4366.	10:19:42.033	3050	3	-8		15230.	UMTS FDD	Downlink	10:19:37.999	DCCH	IDENTITY_REQUEST
3.	10:35:29.376	UMTS FDD	2100	Tim	4367. -73.9	10:19:42.770	3050	19			15231.	UMTS FDD	Uplink	10:19:38.000	DCCH	UPLINK_DIRECT_TRANSFER
					4368.	10:19:42.770	3050	19	-4.5		15232.	UMTS FDD	Uplink	10:19:38.000	DCCH	IDENTITY_RESPONSE
					4369.	10:19:43.061	3050	19	-72.7		15233.	UMTS FDD	Downlink	10:19:38.029	DCCH	ACTIVE_SET_UPDATE
					4370.	10:19:43.061	3050	19	-5.4		15234.	UMTS FDD	Uplink	10:19:38.041	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					4371.	10:19:43.931	3050	3	-70.4		15235.	UMTS FDD	Downlink	10:19:38.139	DCCH	MEASUREMENT_CONTROL
					4372.	10:19:43.931	3050	19	-6.2		15236.	UMTS FDD	Downlink	10:19:38.149	DCCH	MEASUREMENT_CONTROL
					4373.	10:19:44.270	3050	19	-69.8		15237.	UMTS FDD	Downlink	10:19:38.159	DCCH	DOWNLINK_DIRECT_TRANSFER
					4374.	10:19:44.270	3050	19	-6.8		15238.	UMTS FDD	Downlink	10:19:38.159	DCCH	CALL_PROCEEDING
					4375.	10:19:44.763	3050	19	-66.4		15239.	UMTS FDD	Uplink	10:19:38.830	DCCH	MEASUREMENT_REPORT
					4376.	10:19:44.763	3050	19	-6		15240.	UMTS FDD	Uplink	10:19:38.902	DCCH	MEASUREMENT_REPORT
					4377.	10:19:45.255	3050	19	-67.7		15241.	UMTS FDD	Uplink	10:19:39.442	DCCH	MEASUREMENT_REPORT
					4378.	10:19:45.255	3050	19	-5.8		15242.	UMTS FDD	Uplink	10:19:42.942	DCCH	MEASUREMENT_REPORT
					4379.	10:19:45.990	3050	19	-66.6		15243.	UMTS FDD	Downlink	10:19:43.600	DCCH	RADIO_BEARER_SETUP
					4380.	10:19:45.990	3050	19	-5.4		15244.	UMTS FDD	Uplink	10:19:43.932	DCCH	RADIO_BEARER_SETUP_COMPLETE
					4381.	10:19:46.287	3050	19	-69.5		15245.	UMTS FDD	Downlink	10:19:44.220	DCCH	RADIO_BEARER_RECONFIGURATION
					4382.	10:19:46.287	3050	19	-6.1		15246.	UMTS FDD	Downlink	10:19:44.260	DCCH	DOWNLINK_DIRECT_TRANSFER
					4383.	10:19:46.950	3050	19	-68.4		15247.	UMTS FDD	Downlink	10:19:44.260	DCCH	PROGRESS
					4384.	10:19:46.950	3050	19	-5.8		15248.	UMTS FDD	Uplink	10:19:44.261	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					4385.	10:19:47.323	3050	19	-71		15249.	UMTS FDD	Downlink	10:19:45.580	DCCH	MEASUREMENT_CONTROL
					4386.	10:19:47.323	3050	19	-7.8		15250.	UMTS FDD	Uplink	10:19:45.681	DCCH	MEASUREMENT_REPORT
					4387.	10:19:47.900	3050	19	-65.8		15251.	UMTS FDD	Downlink	10:19:45.700	DCCH	SECURITY_MODE_COMMAND
					4388.	10:19:47.900	3050	19	-6.2		15252.	UMTS FDD	Uplink	10:19:45.700	DCCH	SECURITY_MODE_COMPLETE
					4389.	10:19:48.271	3050	19	-66.4		15253.	UMTS FDD	Uplink	10:19:45.931	DCCH	MEASUREMENT_REPORT
					4390.	10:19:48.271	3050	19	-4.5		15254.	UMTS FDD	Downlink	10:19:46.100	DCCH	DOWNLINK_DIRECT_TRANSFER
					4391.	10:19:49.031	3050	19	-63.4		15255.	UMTS FDD	Downlink	10:19:46.100	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					4392.	10:19:49.031	3050	19	-5.7		15256.	UMTS FDD	Uplink	10:19:46.102	DCCH	UPLINK_DIRECT_TRANSFER
					4393.	10:19:49.431	3050	3	-65		15257.	UMTS FDD	Uplink	10:19:46.102	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					4394.	10:19:49.431	3050	3	-6.5		15258.	UMTS FDD	Downlink	10:19:46.380	DCCH	DOWNLINK_DIRECT_TRANSFER
					4395.	10:19:50.032	3050	19	-64.4		15259.	UMTS FDD	Downlink	10:19:46.380	DCCH	GMM_INFO
					4396.	10:19:50.032	3050	19	-6.5		15260.	UMTS FDD	Downlink	10:19:46.660	DCCH	SIGNALLING_CONNECTION_RELEASE
					4397.	10:19:50.689	3050	19	-68.4		15261.	UMTS FDD	Uplink	10:19:46.753	DCCH	INITIAL_DIRECT_TRANSFER
					4398.	10:19:50.689	3050	19	-5.4		15262.	UMTS FDD	Uplink	10:19:46.753	DCCH	SERVICE_REQUEST
					4399.	10:20:21.616	3050	3	-83		15263.	UMTS FDD	Downlink	10:19:46.940	DCCH	MEASUREMENT_CONTROL
					4400.	10:20:21.616	3050	3	-9.1		15264.	UMTS FDD	Uplink	10:19:47.040	DCCH	MEASUREMENT_REPORT

- Analysis:**
- This call failure event occurred on short call at 10:19:50:180 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 19 and RF condition RSCP -64.4 dBm and Ec/No -6.5 dB are very good.
 - Need to check MT End.

Phase-2 Call Attempt Failure Analysis 1 From MS6 Airtel MT

	Time	Band (MHz)	Ch	PCI	RSRP	SNR	▲	Event ID	System	Transf. dir.	Time	Subchannel	Message name	
7160.	10:19:44.546	1800	1300	107	-84.4			12933.	RRCSM	LTE FDD	Downlink	10:19:43.478	DCCH	SecurityModeCommand
7161.	10:19:44.546					26.5		12934.	RRCSM	LTE FDD	Uplink	10:19:43.479	DCCH	SecurityModeComplete
7162.	10:19:45.098	1800	1300	107	-79.7			12935.	RRCSM	LTE FDD	Downlink	10:19:43.506	DCCH	UECapabilityEnquiry
7163.	10:19:45.098					25.4		12936.	RRCSM	LTE FDD	Uplink	10:19:43.509	DCCH	UECapabilityInformation
7164.	10:19:45.613	1800	1300	107	-80.5			12937.	RRCSM	UMTS FDD	Uplink	10:19:43.509		INTER_RAT_HANDOVER_INFO
7165.	10:19:45.613					26.1		12938.	RRCSM	LTE FDD	Downlink	10:19:43.539	DCCH	RRConnectionReconfiguration
7166.	10:19:46.124	1800	1300	107	-82.2			12939.	RRCSM	LTE FDD	Uplink	10:19:43.550	DCCH	RRConnectionReconfigurationComplete
7167.	10:19:46.124					27.8		12940.	L3SM	LTE FDD	Downlink	10:19:43.551		ACTIVATE_DEFAULT_EPS_BEARER_CONTEXT
7168.	10:19:46.606	1800	1300	107	-82.2			12941.	L3SM	LTE FDD	Downlink	10:19:43.551		ATTACH_ACCEPT
7169.	10:19:46.606					28.1		12942.	L3SM	LTE FDD	Uplink	10:19:43.555		ATTACH_COMPLETE
7170.	10:19:47.165	1800	1300	107	-80.2			12943.	L3SM	LTE FDD	Uplink	10:19:43.555		ACTIVATE_DEFAULT_EPS_BEARER_CONTEXT
7171.	10:19:47.165					27.4		12944.	RRCSM	LTE FDD	Uplink	10:19:43.555	DCCH	ULInformationTransfer
7172.	10:19:47.656	1800	1300	107	-79			12945.	RRCSM	LTE FDD	Downlink	10:19:43.589	DCCH	DLInformationTransfer
7173.	10:19:47.656					27.7		12946.	L3SM	LTE FDD	Downlink	10:19:43.590		EMM_INFORMATION
7174.	10:19:48.186	1800	1300	107	-79.7			12947.	RRCSM	LTE FDD	Uplink	10:19:43.635	DCCH	MeasurementReport
7175.	10:19:48.186					27.8		12948.	RRCSM	LTE FDD	Downlink	10:19:43.656	DCCH	RRConnectionReconfiguration
7176.	10:19:48.727	1800	1300	107	-81.1			12949.	RRCSM	LTE FDD	Uplink	10:19:43.657	DCCH	RRConnectionReconfigurationComplete
7177.	10:19:48.727					25.6		12950.	RRCSM	LTE FDD	Downlink	10:19:45.902	DCCH	RRConnectionReconfiguration
7178.	10:19:49.286	1800	1300	107	-78.8			12951.	RRCSM	LTE FDD	Uplink	10:19:45.914	DCCH	RRConnectionReconfigurationComplete
7179.	10:19:49.286					25.7		12952.	RRCSM	LTE FDD	Downlink	10:20:07.890	DCCH	RRConnectionRelease
7180.	10:19:49.821	1800	1300	107	-82.4			12953.	RRCSM	LTE FDD	Downlink	10:20:23.475	PCCH	Paging
7181.	10:19:49.821					25.4		12954.	L3SM	LTE FDD	Uplink	10:20:23.475		EXTENDED_SERVICE_REQUEST
7182.	10:19:50.306	1800	1300	107	-82.7			12955.	RRCSM	LTE FDD	Uplink	10:20:23.476	CCCH	RRConnectionRequest
7183.	10:19:50.306					26.4		12956.	RRCSM	LTE FDD	Downlink	10:20:23.556	CCCH	RRConnectionSetup
7184.	10:19:50.842	1800	1300	107	-84.8			12957.	RRCSM	LTE FDD	Uplink	10:20:23.561	DCCH	RRConnectionSetupComplete
7185.	10:19:50.842					25.9		12958.	RRCSM	LTE FDD	Downlink	10:20:23.602	DCCH	SecurityModeCommand
7186.	10:19:51.328	1800	1300	107	-84			12959.	RRCSM	LTE FDD	Uplink	10:20:23.603	DCCH	SecurityModeComplete
7187.	10:19:51.328					24.5		12960.	RRCSM	LTE FDD	Downlink	10:20:23.616	DCCH	UECapabilityEnquiry
7188.	10:19:51.866	1800	1300	107	-87.6			12961.	RRCSM	LTE FDD	Uplink	10:20:23.617	DCCH	UECapabilityInformation
7189.	10:19:51.866					24.3		12962.	RRCSM	UMTS FDD	Uplink	10:20:23.617		INTER_RAT_HANDOVER_INFO
7190.	10:19:52.406	1800	1300	107	-84.9			12963.	RRCSM	LTE FDD	Downlink	10:20:23.644	DCCH	RRConnectionReconfiguration
7191.	10:19:52.406					23.4		12964.	RRCSM	LTE FDD	Uplink	10:20:23.662	DCCH	RRConnectionReconfigurationComplete
7192.	10:19:52.946	1800	1300	107	-92.9			12965.	RRCSM	LTE FDD	Downlink	10:20:23.677	DCCH	RRConnectionReconfiguration
7193.	10:19:52.946					22.9		12966.	RRCSM	LTE FDD	Uplink	10:20:23.678	DCCH	RRConnectionReconfigurationComplete
7194.	10:19:53.506	1800	1300	107	-88.5			12967.	RRCSM	LTE FDD	Uplink	10:20:23.864	DCCH	MeasurementReport
7195.	10:19:53.506					23.1		12968.	RRCSM	LTE FDD	Downlink	10:20:23.883	DCCH	RRConnectionRelease
7196.	10:19:54.019	1800	1300	107	-92.1		▼	12969.	RRCSM	UMTS FDD	Downlink	10:20:24.220	BCCH_BCH	SYSTEM_INFORMATION_BCH

Analysis:

- During was latched with PCI 107 and RF condition RSRP -82.4 dBm is poor but SINR 25 dB was ok.
- As per the analysis call failure happened due to network End.

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

	Time	System	Serving band		T. best active RSCP	Time	Ch	SC	T. best active Ec/NO		System	Transf. dir.	Time	Subchannel	Message name	
1.	10:19:50.180	UMTS FDD	900	Dro	5330.				-20.3		18216.	UMTS FDD	Uplink	10:33:17.686	DCCH	IDENTITY_RESPONSE
2.	10:33:27.200	UMTS FDD	2100	Tim	5331.	-126.4	10:33:19.948	10588	11		18217.	UMTS FDD	Downlink	10:33:17.825	DCCH	DOWNLINK_DIRECT_TRANSFER
3.	10:35:29.376	UMTS FDD	2100	Tim	5332.		10:33:19.948	10588	11	-24.9	18218.	UMTS FDD	Downlink	10:33:17.825	DCCH	LOCATION_UPDATING_ACCEPT
					5333.	-123.6	10:33:20.287	10588	11		18219.	UMTS FDD	Uplink	10:33:17.827	DCCH	UPLINK_DIRECT_TRANSFER
					5334.		10:33:20.287	10588	11	-21.5	18220.	UMTS FDD	Uplink	10:33:17.827	DCCH	CM_SERVICE_REQUEST
					5335.	-125.8	10:33:20.964	10588	11		18221.	UMTS FDD	Uplink	10:33:17.848	DCCH	MEASUREMENT_REPORT
					5336.		10:33:20.964	10588	11	-23.5	18222.	UMTS FDD	Downlink	10:33:17.865	DCCH	SECURITY_MODE_COMMAND
					5337.	-128.2	10:33:21.488	10588	11		18223.	UMTS FDD	Uplink	10:33:17.866	DCCH	SECURITY_MODE_COMPLETE
					5338.		10:33:21.488	10588	11	-25.9	18224.	UMTS FDD	Downlink	10:33:17.965	DCCH	DOWNLINK_DIRECT_TRANSFER
					5339.	-126.2	10:33:22.035	10588	11		18225.	UMTS FDD	Downlink	10:33:17.965	DCCH	CM_SERVICE_ACCEPT
					5340.		10:33:22.035	10588	11	-23.9	18226.	UMTS FDD	Uplink	10:33:17.966	DCCH	UPLINK_DIRECT_TRANSFER
					5341.	-128.3	10:33:22.287	10588	11		18227.	UMTS FDD	Uplink	10:33:17.966	DCCH	SETUP
					5342.		10:33:22.287	10588	11	-24.5	18228.	UMTS FDD	Downlink	10:33:17.985	DCCH	DOWNLINK_DIRECT_TRANSFER
					5343.	-127.4	10:33:23.008	10588	11		18229.	UMTS FDD	Downlink	10:33:17.985	DCCH	ATTACH_ACCEPT
					5344.		10:33:23.008	10588	11	-24.5	18230.	UMTS FDD	Uplink	10:33:17.987	DCCH	UPLINK_DIRECT_TRANSFER
					5345.	-125.8	10:33:23.308	10588	11		18231.	UMTS FDD	Uplink	10:33:17.987	DCCH	ATTACH_COMPLETE
					5346.		10:33:23.308	10588	11	-23.6	18232.	UMTS FDD	Downlink	10:33:18.075	DCCH	DOWNLINK_DIRECT_TRANSFER
					5347.	-128	10:33:24.028	10588	3		18233.	UMTS FDD	Downlink	10:33:18.075	DCCH	CALL_PROCEEDING
					5348.		10:33:24.028	10588	3	-25.2	18234.	UMTS FDD	Downlink	10:33:18.095	DCCH	DOWNLINK_DIRECT_TRANSFER
					5349.	-127.7	10:33:24.548	10588	11		18235.	UMTS FDD	Downlink	10:33:18.095	DCCH	GMM_INFO
					5350.		10:33:24.548	10588	11	-24.8	18236.	UMTS FDD	Downlink	10:33:18.276	DCCH	SIGNALLING_CONNECTION_RELEASE
					5351.	-126.7	10:33:25.038	10588	3		18237.	UMTS FDD	Uplink	10:33:18.528	DCCH	MEASUREMENT_REPORT
					5352.		10:33:25.038	10588	3	-24.4	18238.	UMTS FDD	Uplink	10:33:18.628	DCCH	MEASUREMENT_REPORT
					5353.	-127.7	10:33:25.788	10588	3		18239.	UMTS FDD	Uplink	10:33:24.118	DCCH	INITIAL_DIRECT_TRANSFER
					5354.		10:33:25.788	10588	3	-25.4	18240.	UMTS FDD	Uplink	10:33:24.118	DCCH	SERVICE_REQUEST
					5355.	-129.8	10:33:26.035	10588	11		18241.	UMTS FDD	Downlink	10:33:27.613	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5356.	-127.5	10:33:26.488	10588	11		18242.	UMTS FDD	Downlink	10:33:27.613	BCCH	MASTER_INFORMATION_BLOCK
					5357.		10:33:26.488	10588	11	-25.4	18243.	UMTS FDD	Downlink	10:33:27.613	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					5358.	-126.9	10:33:27.200	10588	3		18244.	UMTS FDD	Downlink	10:33:28.373	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5359.		10:33:27.200	10588	3	-24.7	18245.	UMTS FDD	Downlink	10:33:28.393	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5360.	-126.9	10:33:27.595	10588	3		18246.	UMTS FDD	Downlink	10:33:28.413	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5361.		10:33:27.595	10588	3	-24.7	18247.	UMTS FDD	Downlink	10:33:28.413	BCCH	MASTER_INFORMATION_BLOCK
					5362.	-126.9	10:33:28.932	10588	3		18248.	UMTS FDD	Downlink	10:33:28.413	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					5363.		10:33:28.932	10588	3	-24.7	18249.	UMTS FDD	Downlink	10:33:39.493	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5364.	-118.8	10:35:02.963	10588	328		18250.	UMTS FDD	Downlink	10:33:39.513	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5365.		10:35:02.963	10588	328	-18	18251.	UMTS FDD	Downlink	10:33:39.533	BCCH_BCH	SYSTEM_INFORMATION_BCH

Analysis:

- This call failure event occurred on short call at 10:33:27:200 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 3 and RF condition RSCP -126 dBm and Ec/No -24.7 dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

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

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best active Ec/NO		System	Transf. dir.	Time	Subchannel	Message name
1.	10:19:50.180	UMTS FDD	900	Dra	5410.	-127.6	10:35:13.700	10562 328		18394.	UMTS FDD	Downlink	10:35:11.677	DCCH	MEASUREMENT_CONTROL
2.	10:33:27.200	UMTS FDD	2100	Tim	5411.		10:35:13.700	10562 328	-23.8	18395.	UMTS FDD	Downlink	10:35:11.717	DCCH	MEASUREMENT_CONTROL
3.	10:35:29.376	UMTS FDD	2100	Tim	5412.	-125.1	10:35:14.080	10562 328		18396.	UMTS FDD	Downlink	10:35:11.757	DCCH	MEASUREMENT_CONTROL
					5413.		10:35:14.080	10562 328	-21.3	18397.	UMTS FDD	Downlink	10:35:11.797	DCCH	MEASUREMENT_CONTROL
					5414.	-125.1	10:35:14.962	10562 328		18398.	UMTS FDD	Downlink	10:35:11.837	DCCH	MEASUREMENT_CONTROL
					5415.		10:35:14.962	10562 328	-24.8	18399.	UMTS FDD	Uplink	10:35:12.408	DCCH	MEASUREMENT_REPORT
					5416.	-124.6	10:35:15.200	10562 328		18400.	UMTS FDD	Downlink	10:35:12.997	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					5417.		10:35:15.200	10562 328	-23.8	18401.	UMTS FDD	Uplink	10:35:13.039	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					5418.	-126.6	10:35:15.740	10562 328		18402.	UMTS FDD	Uplink	10:35:13.100	DCCH	MEASUREMENT_REPORT
					5419.		10:35:15.740	10562 328	-24.5	18403.	UMTS FDD	Downlink	10:35:13.957	DCCH	MEASUREMENT_CONTROL
					5420.	-127.6	10:35:16.326	10562 328		18404.	UMTS FDD	Uplink	10:35:14.098	DCCH	MEASUREMENT_REPORT
					5421.		10:35:16.326	10562 328	-24	18405.	UMTS FDD	Uplink	10:35:14.688	DCCH	MEASUREMENT_REPORT
					5422.	-121.9	10:35:17.048	10562 328		18406.	UMTS FDD	Uplink	10:35:14.940	DCCH	MEASUREMENT_REPORT
					5423.		10:35:17.048	10562 328	-21.1	18407.	UMTS FDD	Downlink	10:35:20.733	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					5424.	-128	10:35:17.540	10562 328		18408.	UMTS FDD	Downlink	10:35:20.733	BCCH	MASTER_INFORMATION_BLOCK
					5425.		10:35:17.540	10562 328	-24.3	18409.	UMTS FDD	Downlink	10:35:20.733	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					5426.	-127.3	10:35:18.035	10562 328		18410.	LTE FDD	Downlink	10:35:23.405	BCCH-BCH	MasterInformationBlock
					5427.		10:35:18.035	10562 328	-25.2	18411.	LTE FDD	Downlink	10:35:23.429	BCCH-SCH	SystemInformationBlockType1
					5428.	-125.2	10:35:18.540	10562 328		18412.	LTE FDD	Downlink	10:35:23.565	BCCH-BCH	MasterInformationBlock
					5429.		10:35:18.540	10562 328	-24.4	18413.	LTE FDD	Downlink	10:35:23.589	BCCH-SCH	SystemInformationBlockType1
					5430.	-128.7	10:35:19.034	10562 328		18414.	LTE FDD	Downlink	10:35:23.695	BCCH-BCH	MasterInformationBlock
					5431.		10:35:19.034	10562 328	-25.9	18415.	LTE FDD	Downlink	10:35:23.709	BCCH-SCH	SystemInformationBlockType1
					5432.	-125.7	10:35:19.520	10562 328		18416.	LTE FDD	Downlink	10:35:23.932	BCCH-BCH	MasterInformationBlock
					5433.		10:35:19.520	10562 328	-24.9	18417.	LTE FDD	Downlink	10:35:23.986	BCCH-SCH	SystemInformationBlockType1
					5434.	-125.7	10:35:20.120	10562 328		18418.	GSM	Downlink	10:35:26.504	BCCH	SYSTEM_INFORMATION_TYPE_3
					5435.		10:35:20.120	10562 328	-25.8	18419.	GSM	Downlink	10:35:26.740	BCCH	SYSTEM_INFORMATION_TYPE_4
					5436.	-125.7	10:35:21.262	10562 328		18420.	GSM	Downlink	10:35:26.823	BCCH	SYSTEM_INFORMATION_TYPE_4
					5437.		10:35:21.262	10562 328	-25.8	18421.	GSM	Downlink	10:35:27.446	BCCH	SYSTEM_INFORMATION_TYPE_3
					5438.	-82.6	10:37:48.638	10690 142		18422.	UMTS FDD	Downlink	10:35:32.333	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					5439.		10:37:48.638	10690 142	-3.1	18423.	UMTS FDD	Downlink	10:35:32.333	BCCH	MASTER_INFORMATION_BLOCK
					5440.	-83.8	10:37:49.095	10690 142		18424.	UMTS FDD	Downlink	10:35:32.333	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					5441.		10:37:49.095	10690 142	-2.9	18425.	GSM	Downlink	10:35:34.978	BCCH	SYSTEM_INFORMATION_TYPE_3
					5442.	-81.3	10:37:50.038	10690 142		18426.	GSM	Downlink	10:35:35.061	BCCH	SYSTEM_INFORMATION_TYPE_3
					5443.		10:37:50.038	10690 142	-3.6	18427.	GSM	Downlink	10:35:35.214	BCCH	SYSTEM_INFORMATION_TYPE_4
					5444.	-81	10:37:50.632	10690 142		18428.	GSM	Downlink	10:35:35.920	BCCH	SYSTEM_INFORMATION_TYPE_3

Analysis:

- This call failure event occurred on short call at 10:35:29:376 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 328 and RF condition RSCP -126 dBm and Ec/No -25.8dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

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

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best active Ec/NO		System	Transf. dir.	Time	Subchannel	Message name	
1.	9:20:50.949	UMTS FDD	2100	Dro	108.	9:20:01.886	10715	138	-3.5		438.	UMTS FDD	Uplink	9:20:37.220	DCCH	RRC_CONNECTION_SETUP_COMPLETE
2.	9:29:37.040	UMTS FDD	2100	Tim	109.	-72.3	9:20:02.376	10690	138		439.	UMTS FDD	Uplink	9:20:37.221	DCCH	INITIAL_DIRECT_TRANSFER
3.	9:50:17.302	UMTS FDD	2100	Dro	110.		9:20:02.376	10715	138	-3.1	440.	UMTS FDD	Uplink	9:20:37.221	DCCH	CM_SERVICE_REQUEST
4.	9:52:15.336	GSM	900	Tim	111.	-71.9	9:20:02.956	10690	138		441.	UMTS FDD	Uplink	9:20:37.221	DCCH	INITIAL_DIRECT_TRANSFER
5.	10:19:15.756	UMTS FDD	2100	Dro	112.		9:20:02.956	10715	138	-4	442.	UMTS FDD	Uplink	9:20:37.221	DCCH	ROUTING_AREA_UPDATE_REQUEST
6.	10:54:35.604	UMTS FDD	2100	Dro	113.	-71.5	9:20:03.434	10690	138		443.	UMTS FDD	Downlink	9:20:37.534	DCCH	MEASUREMENT_CONTROL
7.	10:56:10.932	UMTS FDD	2100	Dro	114.		9:20:03.434	10715	138	-3.2	444.	UMTS FDD	Downlink	9:20:37.544	DCCH	SECURITY_MODE_COMMAND
8.	10:56:52.069	UMTS FDD	2100	Dro	115.	-72.7	9:20:03.955	10690	138		445.	UMTS FDD	Uplink	9:20:37.545	DCCH	SECURITY_MODE_COMPLETE
					116.		9:20:03.955	10715	138	-4.4	446.	UMTS FDD	Uplink	9:20:37.615	DCCH	UPLINK_DIRECT_TRANSFER
					117.	-70.1	9:20:04.474	10715	138		447.	UMTS FDD	Uplink	9:20:37.615	DCCH	SETUP
					118.		9:20:04.474	10690	138	-5	448.	UMTS FDD	Downlink	9:20:37.644	DCCH	DOWNLINK_DIRECT_TRANSFER
					119.	-71	9:20:04.976	10715	138		449.	UMTS FDD	Downlink	9:20:37.644	DCCH	TMSI_REALLOCATION_COMMAND
					120.		9:20:04.976	10715	138	-3.2	450.	UMTS FDD	Uplink	9:20:37.645	DCCH	UPLINK_DIRECT_TRANSFER
					121.	-71.6	9:20:05.434	10715	138		451.	UMTS FDD	Uplink	9:20:37.645	DCCH	TMSI_REALLOCATION_COMPLETE
					122.		9:20:05.434	10715	138	-3.2	452.	UMTS FDD	Downlink	9:20:37.764	DCCH	DOWNLINK_DIRECT_TRANSFER
					123.	-70.3	9:20:06.022	10715	138		453.	UMTS FDD	Downlink	9:20:37.764	DCCH	CALL_PROCEEDING
					124.		9:20:06.022	10690	138	-10.7	454.	UMTS FDD	Uplink	9:20:39.567	DCCH	MEASUREMENT_REPORT
					125.	-69.8	9:20:06.474	10715	138		455.	UMTS FDD	Downlink	9:20:39.674	DCCH	ACTIVE_SET_UPDATE
					126.		9:20:06.474	10690	138	-11.2	456.	UMTS FDD	Uplink	9:20:39.686	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					127.	-67.5	9:20:07.020	10715	138		457.	UMTS FDD	Downlink	9:20:42.554	DCCH	DOWNLINK_DIRECT_TRANSFER
					128.		9:20:07.020	10690	138	-5.2	458.	UMTS FDD	Downlink	9:20:42.554	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
					129.	-77	9:20:36.997	10690	138		459.	UMTS FDD	Uplink	9:20:42.591	DCCH	UPLINK_DIRECT_TRANSFER
					130.		9:20:36.997	10690	138	-4.4	460.	UMTS FDD	Uplink	9:20:42.591	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
					131.	-77	9:20:37.369	10690	138		461.	UMTS FDD	Downlink	9:20:42.844	DCCH	SECURITY_MODE_COMMAND
					132.		9:20:37.369	10690	138	-4.3	462.	UMTS FDD	Uplink	9:20:42.844	DCCH	SECURITY_MODE_COMPLETE
					133.	-77	9:20:37.766	10690	138		463.	UMTS FDD	Downlink	9:20:43.254	DCCH	DOWNLINK_DIRECT_TRANSFER
					134.		9:20:37.766	10690	138	-6.2	464.	UMTS FDD	Downlink	9:20:43.254	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					135.	-77	9:20:38.356	10690	138		465.	UMTS FDD	Uplink	9:20:43.256	DCCH	UPLINK_DIRECT_TRANSFER
					136.		9:20:38.356	10690	138	-4.2	466.	UMTS FDD	Uplink	9:20:43.256	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					137.	-77	9:20:39.022	10690	138		467.	UMTS FDD	Uplink	9:20:43.258	DCCH	UPLINK_DIRECT_TRANSFER
					138.		9:20:39.022	10690	138	-4.4	468.	UMTS FDD	Uplink	9:20:43.258	DCCH	SERVICE_REQUEST
					139.	-77	9:20:39.346	10690	138		469.	UMTS FDD	Uplink	9:20:43.327	DCCH	MEASUREMENT_REPORT
					140.		9:20:39.346	10690	138	-4.4	470.	UMTS FDD	Downlink	9:20:43.444	DCCH	RADIO_BEARER_SETUP
					141.	-77	9:20:40.007	10690	138		471.	UMTS FDD	Downlink	9:20:43.464	DCCH	DOWNLINK_DIRECT_TRANSFER
					142.		9:20:40.007	10690	138	-4.7	472.	UMTS FDD	Downlink	9:20:43.464	DCCH	SERVICE_ACCEPT
					143.	-77	9:20:40.407	10690	138		473.	UMTS FDD	Uplink	9:20:43.714	DCCH	RADIO_BEARER_SETUP_COMPLETE
					144.		9:20:40.407	10690	138	-4.8	474.	UMTS FDD	Downlink	9:20:43.894	DCCH	MEASUREMENT_CONTROL

Analysis:

- This call failure event occurred on short call at 09:20:50:949 time when UE was latched with 3G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the session UE was latched with PSC 139 and RF condition RSCP - 90 dBm and ECNO -6.7 dB are very good.
- Need to check MT End.

Phase-2 Call Attempt Failure Analysis 1 From MS8 CWS MT

	Time	Band (MHz)	Ch	PCI	RSRP	SNR	▲	Event ID	System	Transf. dir.	Time	Subchannel	Message name	
334.	9:20:33.175	2496	40148	47	-98.6			395.	RRCSM	LTE FDD	Downlink	9:20:09.994	DCCH	RRCCConnectionReconfiguration
335.	9:20:33.175					-2.9		396.	RRCSM	LTE FDD	Uplink	9:20:09.996	DCCH	RRCCConnectionReconfigurationComplete
336.	9:20:34.175	2496	40148	47	-99.3			397.	RRCSM	LTE FDD	Uplink	9:20:10.480	DCCH	MeasurementReport
337.	9:20:34.175					-1.2		398.	RRCSM	LTE FDD	Uplink	9:20:10.480	DCCH	MeasurementReport
338.	9:20:35.271	2496	40148	47	-99.6			399.	RRCSM	LTE FDD	Downlink	9:20:10.483	PCCH	Paging
339.	9:20:35.271					-1.1		400.	RRCSM	LTE FDD	Downlink	9:20:12.399	DCCH	RRCCConnectionReconfiguration
340.	9:20:36.551	2496	40148	47	-101.2			401.	RRCSM	LTE FDD	Uplink	9:20:12.405	DCCH	RRCCConnectionReconfigurationComplete
341.	9:20:36.551					7.5		402.	RRCSM	LTE FDD	Downlink	9:20:14.323	PCCH	Paging
342.	9:20:38.026	2496	40148	47	-100.5			403.	RRCSM	LTE FDD	Downlink	9:20:15.603	PCCH	Paging
343.	9:20:38.026					8.5		404.	RRCSM	LTE FDD	Downlink	9:20:16.883	PCCH	Paging
344.	9:20:39.497	2496	40148	47	-100.5			405.	RRCSM	LTE FDD	Downlink	9:20:18.163	PCCH	Paging
345.	9:20:39.497					-2.6		406.	RRCSM	LTE FDD	Downlink	9:20:19.443	PCCH	Paging
346.	9:20:40.475	2496	40148	47	-102.3			407.	RRCSM	LTE FDD	Downlink	9:20:20.723	PCCH	Paging
347.	9:20:40.475					0.3		408.	RRCSM	LTE FDD	Downlink	9:20:22.003	PCCH	Paging
348.	9:20:42.025	2496	40148	47	-100.3			409.	RRCSM	LTE FDD	Downlink	9:20:23.283	PCCH	Paging
349.	9:20:42.025					-5.6		410.	RRCSM	LTE FDD	Downlink	9:20:25.843	PCCH	Paging
350.	9:20:43.175	2496	40148	47	-101.8			411.	RRCSM	LTE FDD	Downlink	9:20:28.403	PCCH	Paging
351.	9:20:43.175					-0.6		412.	RRCSM	LTE FDD	Downlink	9:20:29.683	PCCH	Paging
352.	9:20:44.375	2496	40148	47	-100.6			413.	RRCSM	LTE FDD	Downlink	9:20:29.999	DCCH	RRCCConnectionRelease
353.	9:20:44.375					-2		414.	RRCSM	LTE FDD	Downlink	9:20:31.435	PCCH	Paging
354.	9:20:45.575	2496	40148	47	-99.9			415.	RRCSM	LTE TDD	Downlink	9:20:31.569	BCCH-SCH	SystemInformationBlockType1
355.	9:20:45.575					-0.5		416.	RRCSM	LTE TDD	Downlink	9:20:31.588	BCCH-SCH	SystemInformation - SIB2,SIB3
356.	9:20:46.786	2496	40148	47	-99.4			417.	RRCSM	LTE TDD	Downlink	9:20:31.637	BCCH-SCH	SystemInformation - SIB5
357.	9:20:46.786					-0.8		418.	RRCSM	LTE TDD	Downlink	9:20:32.229	BCCH-SCH	SystemInformationBlockType1
358.	9:20:48.275	2496	40148	47	-100.9			419.	RRCSM	LTE TDD	Downlink	9:20:32.705	PCCH	Paging
359.	9:20:48.275					-2.6		420.	RRCSM	LTE TDD	Downlink	9:20:54.509	BCCH-SCH	SystemInformationBlockType1
360.	9:20:49.959	2496	40148	47	-99.6			421.	RRCSM	LTE TDD	Downlink	9:20:54.509	BCCH-SCH	SystemInformation - SIB2,SIB3
361.	9:20:49.959					5.8		422.	RRCSM	LTE TDD	Downlink	9:20:54.509	BCCH-SCH	SystemInformation - SIB5
362.	9:20:51.024	2496	40148	47	-101			423.	RRCSM	LTE TDD	Downlink	9:20:55.269	BCCH-SCH	SystemInformationBlockType1
363.	9:20:51.024					7.3		424.	RRCSM	LTE TDD	Downlink	9:20:57.026	PCCH	Paging
364.	9:20:51.960	2496	40148	47	-99.4			425.	RRCSM	LTE TDD	Downlink	9:21:01.089	PCCH	Paging
365.	9:20:51.960					-0.5		426.	RRCSM	LTE TDD	Downlink	9:21:02.146	PCCH	Paging
366.	9:20:53.375	2496	40148	47	-102.6			427.	RRCSM	LTE TDD	Downlink	9:21:03.426	PCCH	Paging
367.	9:20:53.375					0.1		428.	RRCSM	LTE TDD	Downlink	9:21:05.986	PCCH	Paging
368.	9:20:54.542	2496	40148	48	-90			429.	RRCSM	LTE TDD	Downlink	9:21:07.266	PCCH	Paging
369.	9:20:54.542					6.6		430.	RRCSM	LTE TDD	Downlink	9:21:08.546	PCCH	Paging

Analysis:

- During the session UE was latched with PCI 47 and RF condition RSRP -100.9 dBm and SINR -2.6 dB both are 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		1. best active RSCP	Time	Ch	SC	1. best active Ec/NO		System	Transf. dir.	Time	Subchannel	Message name	
1.	9:20:50.949	UMTS FDD	2100	Dro	932.	9:29:29.649	10715	147	-4.8		2361.	UMTS FDD	Uplink	9:29:08.070	DCCH	ROUTING_AREA_UPDATE_REQUEST
2.	9:29:37.040	UMTS FDD	2100	Tim	933.	9:29:30.152	10690	147	-94.1		2362.	UMTS FDD	Downlink	9:29:08.323	DCCH	MEASUREMENT_CONTROL
3.	9:50:17.302	UMTS FDD	2100	Dro	934.	9:29:30.152	10715	147	-5		2363.	UMTS FDD	Downlink	9:29:08.373	DCCH	SECURITY_MODE_COMMAND
4.	9:52:15.336	GSM	900	Tim	935.	9:29:30.726	10690	147	-90.6		2364.	UMTS FDD	Uplink	9:29:08.373	DCCH	SECURITY_MODE_COMPLETE
5.	10:19:15.756	UMTS FDD	2100	Dro	936.	9:29:30.726	10715	147	-3.8		2365.	UMTS FDD	Uplink	9:29:08.454	DCCH	UPLINK_DIRECT_TRANSFER
6.	10:54:35.604	UMTS FDD	2100	Dro	937.	9:29:31.204	10690	147	-88.1		2366.	UMTS FDD	Uplink	9:29:08.454	DCCH	SETUP
7.	10:56:10.932	UMTS FDD	2100	Dro	938.	9:29:31.204	10715	147	-3.8		2367.	UMTS FDD	Downlink	9:29:08.473	DCCH	DOWNLINK_DIRECT_TRANSFER
8.	10:56:52.069	UMTS FDD	2100	Dro	939.	9:29:31.632	10715	147	-90.6		2368.	UMTS FDD	Downlink	9:29:08.473	DCCH	TMSI_REALLOCATION_COMMAND
					940.	9:29:31.632	10715	147	-3.8		2369.	UMTS FDD	Uplink	9:29:08.474	DCCH	UPLINK_DIRECT_TRANSFER
					941.	9:29:32.166	10715	147	-90.6		2370.	UMTS FDD	Uplink	9:29:08.474	DCCH	TMSI_REALLOCATION_COMPLETE
					942.	9:29:32.166	10715	147	-3.8		2371.	UMTS FDD	Downlink	9:29:08.613	DCCH	DOWNLINK_DIRECT_TRANSFER
					943.	9:29:32.812	10715	147	-90.6		2372.	UMTS FDD	Downlink	9:29:08.613	DCCH	CALL_PROCEEDING
					944.	9:29:32.812	10715	147	-3.8		2373.	UMTS FDD	Uplink	9:29:08.795	DCCH	MEASUREMENT_REPORT
					945.	9:29:33.205	10715	147	-90.6		2374.	UMTS FDD	Downlink	9:29:08.913	DCCH	ACTIVE_SET_UPDATE
					946.	9:29:33.205	10715	147	-3.8		2375.	UMTS FDD	Uplink	9:29:08.925	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					947.	9:29:33.749	10715	147	-90.6		2376.	UMTS FDD	Downlink	9:29:09.013	DCCH	MEASUREMENT_CONTROL
					948.	9:29:33.749	10715	147	-3.8		2377.	UMTS FDD	Downlink	9:29:13.413	DCCH	DOWNLINK_DIRECT_TRANSFER
					949.	9:29:34.396	10715	147	-90.6		2378.	UMTS FDD	Downlink	9:29:13.413	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
					950.	9:29:34.396	10715	147	-3.8		2379.	UMTS FDD	Uplink	9:29:13.450	DCCH	UPLINK_DIRECT_TRANSFER
					951.	9:29:34.902	10690	138	-89.1		2380.	UMTS FDD	Uplink	9:29:13.450	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
					952.	9:29:34.902	10690	138	-5.9		2381.	UMTS FDD	Downlink	9:29:13.723	DCCH	SECURITY_MODE_COMMAND
					953.	9:29:35.411	10690	138	-96		2382.	UMTS FDD	Uplink	9:29:13.723	DCCH	SECURITY_MODE_COMPLETE
					954.	9:29:35.411	10690	138	-10.4		2383.	UMTS FDD	Downlink	9:29:14.043	DCCH	DOWNLINK_DIRECT_TRANSFER
					955.	9:29:35.979	10690	138	-88.6		2384.	UMTS FDD	Downlink	9:29:14.043	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					956.	9:29:35.979	10690	138	-4.9		2385.	UMTS FDD	Uplink	9:29:14.045	DCCH	UPLINK_DIRECT_TRANSFER
					957.	9:29:36.481	10690	138	-94.4		2386.	UMTS FDD	Uplink	9:29:14.045	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					958.	9:29:36.481	10690	138	-6.7		2387.	UMTS FDD	Uplink	9:29:14.047	DCCH	UPLINK_DIRECT_TRANSFER
					959.	9:29:37.040	10690	138	-96.3		2388.	UMTS FDD	Uplink	9:29:14.047	DCCH	SERVICE_REQUEST
					960.	9:29:37.040	10690	138	-8.9		2389.	UMTS FDD	Downlink	9:29:14.243	DCCH	RADIO_BEARER_SETUP
					961.	9:29:37.530	10690	138	-92.1		2390.	UMTS FDD	Downlink	9:29:14.263	DCCH	DOWNLINK_DIRECT_TRANSFER
					962.	9:29:37.530	10690	138	-12.6		2391.	UMTS FDD	Downlink	9:29:14.263	DCCH	SERVICE_ACCEPT
					963.	9:29:38.031	10690	138	-96.8		2392.	UMTS FDD	Uplink	9:29:14.538	DCCH	RADIO_BEARER_SETUP_COMPLETE
					964.	9:29:38.031	10715	138	-11.6		2393.	UMTS FDD	Downlink	9:29:14.763	DCCH	MEASUREMENT_CONTROL
					965.	9:29:38.640	10690	147	-90.7		2394.	UMTS FDD	Downlink	9:29:14.803	DCCH	MEASUREMENT_CONTROL
					966.	9:29:38.640	10715	138	-7.5		2395.	UMTS FDD	Downlink	9:29:14.843	DCCH	MEASUREMENT_CONTROL
					967.	9:29:39.102	10690	138	-98.3		2396.	UMTS FDD	Downlink	9:29:14.883	DCCH	MEASUREMENT_CONTROL

Analysis:

- This call failure event occurred on short call at 09:29:37:040 time when UE was latched with 3G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the session UE was latched with PSC 138 and RF condition RSCP -96 dBm and ECNO -8.9 dB are very good.
- Need to check MT End.

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

	Time	RxLev	sub	ARFCN	BSIC	LAC	RAC	RXQ	sub	▲	Event ID	System	Transf. dir.	Time	Subchannel	Message name	
21.	9:29:22.046	-87		14	15	1					2316.	L3SM	GSM	Downlink	9:29:35.473	CCCH	IMMEDIATE_ASSIGNMENT
22.	9:29:22.582	-87		14	15	1					2317.	L3SM	GSM	Downlink	9:29:35.566	CCCH	PAGING_REQUEST_TYPE_1
23.	9:29:23.011							7			2318.	L3SM	GSM	Downlink	9:29:35.688	CCCH	PAGING_REQUEST_TYPE_1
24.	9:29:23.098	-87		26	15	1					2319.	L3SM	GSM	Downlink	9:29:35.801	CCCH	IMMEDIATE_ASSIGNMENT
25.	9:29:23.491							3			2320.	L3SM	GSM	Downlink	9:29:35.829	CCCH	IMMEDIATE_ASSIGNMENT
26.	9:29:23.578	-85		26	15	1					2321.	L3SM	GSM	Downlink	9:29:35.847	CCCH	PAGING_REQUEST_TYPE_2
27.	9:29:24.095	-83		26	15	1					2322.	L3SM	GSM	Downlink	9:29:35.880	BCCH	SYSTEM_INFORMATION_TYPE_13
28.	9:29:24.451							0			2323.	L3SM	GSM	Downlink	9:29:35.898	CCCH	IMMEDIATE_ASSIGNMENT
29.	9:29:24.677	-80		26	15	1					2324.	L3SM	GSM	Downlink	9:29:35.944	CCCH	PAGING_REQUEST_TYPE_1
30.	9:29:24.931							0			2325.	L3SM	GSM	Downlink	9:29:35.972	CCCH	PAGING_REQUEST_TYPE_1
31.	9:29:25.027	-82		26	15	1					2326.	L3SM	GSM	Downlink	9:29:36.115	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
32.	9:29:25.411							5			2327.	L3SM	GSM	Downlink	9:29:36.161	CCCH	IMMEDIATE_ASSIGNMENT
33.	9:29:25.891							4			2328.	MACSM	GSM	Downlink	9:29:36.426	PACCH	PACKET_POLLING_REQUEST
34.	9:29:25.895	-83		26	15	1					2329.	MACSM	GSM	Downlink	9:29:36.565	PACCH	PACKET_POWER_CONTROL/TIMING_ADVANCE
35.	9:29:26.371							0			2330.	MACSM	GSM	Downlink	9:29:36.583	PACCH	PACKET_DOWNLINK_ASSIGNMENT
36.	9:29:26.851							0			2331.	MACSM	GSM	Uplink	9:29:36.684	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
37.	9:29:26.934	-79		26	15	1					2332.	MACSM	GSM	Downlink	9:29:36.804	PACCH	PACKET_UPLINK_ASSIGNMENT
38.	9:29:27.331							0			2333.	MACSM	GSM	Uplink	9:29:36.841	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
39.	9:29:27.358	-77		26	15	1					2334.	MACSM	GSM	Downlink	9:29:36.965	PACCH	PACKET_POWER_CONTROL/TIMING_ADVANCE
40.	9:29:27.811							1			2335.	MACSM	GSM	Downlink	9:29:37.002	PACCH	PACKET_UPLINK_ACK/NACK
41.	9:29:28.024	-82		26	15	1					2336.	L3SM	GSM	Downlink	9:29:37.002	PDTCH	AUTHENTICATION_AND_CIPHERING_REQUEST
42.	9:29:28.585	-82		26	15	1					2337.	L3SM	GSM	Uplink	9:29:37.040	PDTCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
43.	9:29:28.585										2338.	MACSM	GSM	Uplink	9:29:37.044	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
44.	9:29:31.016	-82		26	15	1	0				2339.	MACSM	GSM	Downlink	9:29:37.182	PACCH	PACKET_UPLINK_ACK/NACK
45.	9:29:31.316	-85		14	15	1	0				2340.	MACSM	GSM	Uplink	9:29:37.183	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
46.	9:29:32.025	-84		14	15	1	0				2341.	MACSM	GSM	Downlink	9:29:37.205	PACCH	PACKET_UPLINK_ACK/NACK
47.	9:29:32.631	-82		14	15	1	0				2342.	MACSM	GSM	Downlink	9:29:37.344	PACCH	PACKET_UPLINK_ACK/NACK
48.	9:29:32.968	-82		14	15	1	0				2343.	MACSM	GSM	Uplink	9:29:37.344	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
49.	9:29:33.379	-82		14	15	1	0				2344.	MACSM	GSM	Downlink	9:29:37.404	PACCH	PACKET_UPLINK_ACK/NACK
50.	9:29:34.024					1	0				2345.	MACSM	GSM	Downlink	9:29:37.422	PACCH	PACKET_DOWNLINK_ASSIGNMENT
51.	9:29:34.486	-68		14	15	1	0				2346.	MACSM	GSM	Downlink	9:29:37.445	PACCH	PACKET_UPLINK_ACK/NACK
52.	9:29:35.122	-68		14	15	1	0				2347.	MACSM	GSM	Downlink	9:29:37.445	PACCH	PACKET_UPLINK_ACK/NACK
53.	9:29:36.315	-68		14	15	1	0				2348.	MACSM	GSM	Uplink	9:29:37.483	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
54.	9:29:36.614	-80		14	15	1	0				2349.	MACSM	GSM	Downlink	9:29:37.524	PACCH	PACKET_UPLINK_ACK/NACK
55.	9:29:37.238	-79		14	15	1	0				2350.	MACSM	GSM	Downlink	9:29:37.565	PACCH	PACKET_POWER_CONTROL/TIMING_ADVANCE
56.	9:29:37.870	-79		14	15	1	0				2351.	L3SM	GSM	Downlink	9:29:37.602	BCCH	SYSTEM_INFORMATION_TYPE_3

Analysis:

- During the session UE was latched with ARFCN 14 and RF condition Rx Level -80 dBm and Rx Qual 1 dB both are good
- As per the analysis call failed happened due to network End.

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

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best active Ec/N0		System	Transf. dir.	Time	Subchannel	Message name	
1.	9:20:50.949	UMTS FDD	2100	Dro	2759. -103.2	9:50:08.959	10740	147			7332.	UMTS FDD	Uplink	9:50:03.188	DCCH	SECURITY_MODE_COMPLETE
2.	9:29:37.040	UMTS FDD	2100	Tim	2760.	9:50:08.959	10740	147	-9.3		7333.	UMTS FDD	Uplink	9:50:03.269	DCCH	UPLINK_DIRECT_TRANSFER
3.	9:50:17.302	UMTS FDD	2100	Dro	2761. -103	9:50:09.369	10740	147			7334.	UMTS FDD	Uplink	9:50:03.269	DCCH	SETUP
4.	9:52:15.336	GSM	900	Tim	2762.	9:50:09.369	10740	147	-8.9		7335.	UMTS FDD	Downlink	9:50:03.297	DCCH	DOWNLINK_DIRECT_TRANSFER
5.	10:19:15.756	UMTS FDD	2100	Dro	2763. -103.3	9:50:09.985	10740	147			7336.	UMTS FDD	Downlink	9:50:03.297	DCCH	TMSI_REALLOCATION_COMMAND
6.	10:54:35.604	UMTS FDD	2100	Dro	2764.	9:50:09.985	10690	147	-8.7		7337.	UMTS FDD	Uplink	9:50:03.298	DCCH	UPLINK_DIRECT_TRANSFER
7.	10:56:10.932	UMTS FDD	2100	Dro	2765. -106.4	9:50:10.497	10715	147			7338.	UMTS FDD	Uplink	9:50:03.298	DCCH	TMSI_REALLOCATION_COMPLETE
8.	10:56:52.069	UMTS FDD	2100	Dro	2766.	9:50:10.497	10715	147	-8.8		7339.	UMTS FDD	Downlink	9:50:03.427	DCCH	DOWNLINK_DIRECT_TRANSFER
					2767. -101.4	9:50:11.026	10690	147			7340.	UMTS FDD	Downlink	9:50:03.427	DCCH	CALL_PROCEEDING
					2768.	9:50:11.026	10690	147	-6.9		7341.	UMTS FDD	Downlink	9:50:08.227	DCCH	DOWNLINK_DIRECT_TRANSFER
					2769. -97.2	9:50:11.606	10690	147			7342.	UMTS FDD	Downlink	9:50:08.227	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
					2770.	9:50:11.606	10690	147	-6.3		7343.	UMTS FDD	Uplink	9:50:08.265	DCCH	UPLINK_DIRECT_TRANSFER
					2771. -101.8	9:50:12.126	10715	147			7344.	UMTS FDD	Uplink	9:50:08.265	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
					2772.	9:50:12.126	10715	147	-5.6		7345.	UMTS FDD	Downlink	9:50:08.407	DCCH	SECURITY_MODE_COMMAND
					2773. -97.3	9:50:12.566	10690	147			7346.	UMTS FDD	Uplink	9:50:08.408	DCCH	SECURITY_MODE_COMPLETE
					2774.	9:50:12.566	10690	147	-5.5		7347.	UMTS FDD	Downlink	9:50:08.857	DCCH	DOWNLINK_DIRECT_TRANSFER
					2775. -102.1	9:50:13.166	10690	147			7348.	UMTS FDD	Downlink	9:50:08.857	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					2776.	9:50:13.166	10690	147	-7.1		7349.	UMTS FDD	Uplink	9:50:08.859	DCCH	UPLINK_DIRECT_TRANSFER
					2777. -104.9	9:50:13.606	10690	147			7350.	UMTS FDD	Uplink	9:50:08.859	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					2778.	9:50:13.606	10690	147	-8.4		7351.	UMTS FDD	Uplink	9:50:08.861	DCCH	UPLINK_DIRECT_TRANSFER
					2779. -105.7	9:50:14.096	10715	147			7352.	UMTS FDD	Uplink	9:50:08.861	DCCH	SERVICE_REQUEST
					2780.	9:50:14.096	10715	147	-7.5		7353.	UMTS FDD	Downlink	9:50:08.957	DCCH	DOWNLINK_DIRECT_TRANSFER
					2781. -106.6	9:50:14.666	10690	147			7354.	UMTS FDD	Downlink	9:50:08.957	DCCH	SERVICE_ACCEPT
					2782.	9:50:14.666	10715	147	-9.2		7355.	UMTS FDD	Downlink	9:50:09.117	DCCH	RADIO_BEARER_SETUP
					2783. -108.5	9:50:15.196	10690	147			7356.	UMTS FDD	Uplink	9:50:09.542	DCCH	RADIO_BEARER_SETUP_COMPLETE
					2784.	9:50:15.196	10715	147	-10.2		7357.	UMTS FDD	Downlink	9:50:10.124	DCCH	MEASUREMENT_CONTROL
					2785. -104.5	9:50:15.767	10715	147			7358.	UMTS FDD	Downlink	9:50:10.164	DCCH	MEASUREMENT_CONTROL
					2786.	9:50:15.767	10715	147	-6.8		7359.	UMTS FDD	Downlink	9:50:10.204	DCCH	MEASUREMENT_CONTROL
					2787. -110.6	9:50:16.276	10690	147			7360.	UMTS FDD	Downlink	9:50:10.244	DCCH	MEASUREMENT_CONTROL
					2788.	9:50:16.276	10690	147	-11.3		7361.	UMTS FDD	Downlink	9:50:10.284	DCCH	MEASUREMENT_CONTROL
					2789. -110.8	9:50:16.808	10690	147			7362.	UMTS FDD	Downlink	9:50:10.324	DCCH	MEASUREMENT_CONTROL
					2790.	9:50:16.808	10690	147	-9.8		7363.	UMTS FDD	Downlink	9:50:10.364	DCCH	MEASUREMENT_CONTROL
					2791. -103.8	9:50:17.356	10690	147			7364.	UMTS FDD	Downlink	9:50:10.444	DCCH	DOWNLINK_DIRECT_TRANSFER
					2792.	9:50:17.356	10715	147	-6.7		7365.	UMTS FDD	Downlink	9:50:10.444	DCCH	MODIFY_PDP_CONTEXT_REQUEST
					2793. -108.7	9:50:17.894	10715	147			7366.	UMTS FDD	Uplink	9:50:10.445	DCCH	UPLINK_DIRECT_TRANSFER
					2794.	9:50:17.894	10715	147	-8.9		7367.	UMTS FDD	Uplink	9:50:10.445	DCCH	MODIFY_PDP_CONTEXT_ACCEPT

Analysis:

- This call failure event occurred on short call at 09:50:17:302 time when UE was latched with 3G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the session UE was latched with PSC 147 and RF condition RSCP -110.8 dBm is poor and ECNO -9.8 dB are very good.
- As per the analysis call failed happened due to poor coverage of the network.

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

	Time	System	Serving band		Time	RxLev sub	ARFCN	BSIC	C1	C2	LAC	RAC	RXQ sub		System	Transf. dir.	Time	Subchannel	Message name
1.	9:20:50.949	UMTS FDD	2100	Dro	272.	9:52:07.503							5	7886.	GSM	Downlink	9:52:10.641	DCCH	CIPHERING_MODE_COMMAND
2.	9:29:37.040	UMTS FDD	2100	Tim	273.	9:52:07.591	-91	8	25		1	0		7887.	GSM	Uplink	9:52:10.646	DCCH	CIPHERING_MODE_COMPLETE
3.	9:50:17.302	UMTS FDD	2100	Dro	274.	9:52:07.974							5	7888.	GSM	Uplink	9:52:10.798	SACCH	MEASUREMENT_REPORT
4.	9:52:15.336	GSM	900	Tim	275.	9:52:08.052	-90	8	25		1	0		7889.	GSM	Downlink	9:52:10.877	DCCH	LOCATION_UPDATING_ACCEPT
5.	10:19:15.756	UMTS FDD	2100	Dro	276.	9:52:08.444							0	7890.	GSM	Uplink	9:52:10.877	DCCH	TMSI_REALLOCATION_COMPLETE
6.	10:54:35.604	UMTS FDD	2100	Dro	277.	9:52:08.591	-89	8	25		1	0		7891.	GSM	Downlink	9:52:11.112	DCCH	CHANNEL_RELEASE
7.	10:56:10.932	UMTS FDD	2100	Dro	278.	9:52:08.915							1	7892.	GSM	Uplink	9:52:11.366	DCCH	CM_SERVICE_REQUEST
8.	10:56:52.069	UMTS FDD	2100	Dro	279.	9:52:09.386	-85	8	25		1	0		7893.	GSM	Downlink	9:52:11.494	CCCH	IMMEDIATE_ASSIGNMENT
					280.	9:52:09.386							0	7894.	GSM	Uplink	9:52:11.744	DCCH	CLASSMARK_CHANGE
					281.	9:52:09.857							5	7895.	GSM	Uplink	9:52:11.745	DCCH	UTRAN_CLASSMARK_CHANGE
					282.	9:52:10.328							0	7896.	GSM	Uplink	9:52:11.745	DCCH	GPRS_SUSPENSION_REQUEST
					283.	9:52:10.406	-85	8	25		1	0		7897.	GSM	Downlink	9:52:11.980	DCCH	IDENTITY_REQUEST
					284.	9:52:10.798							7	7898.	GSM	Uplink	9:52:11.980	DCCH	IDENTITY_RESPONSE
					285.	9:52:10.894	-90	8	25		1	0		7899.	GSM	Uplink	9:52:12.211	SACCH	MEASUREMENT_REPORT
					286.	9:52:11.498	-90	8	25		1	0		7900.	GSM	Downlink	9:52:12.215	DCCH	CLASSMARK_ENQUIRY
					287.	9:52:11.498								7901.	GSM	Uplink	9:52:12.215	DCCH	CLASSMARK_CHANGE
					288.	9:52:11.963	-90	8	25		1	0		7902.	GSM	Uplink	9:52:12.216	DCCH	UTRAN_CLASSMARK_CHANGE
					289.	9:52:12.211							7	7903.	GSM	Downlink	9:52:12.363	SACCH	SYSTEM_INFORMATION_TYPE_5TER
					290.	9:52:12.363	-89	8	25		1	0		7904.	GSM	Downlink	9:52:12.450	DCCH	CIPHERING_MODE_COMMAND
					291.	9:52:12.681							0	7905.	GSM	Uplink	9:52:12.455	DCCH	CIPHERING_MODE_COMPLETE
					292.	9:52:13.152	-86	8	25		1	0		7906.	GSM	Uplink	9:52:12.455	DCCH	SETUP
					293.	9:52:13.152							6	7907.	GSM	Uplink	9:52:12.681	SACCH	MEASUREMENT_REPORT
					294.	9:52:13.623							4	7908.	GSM	Downlink	9:52:12.834	SACCH	SYSTEM_INFORMATION_TYPE_6
					295.	9:52:14.030	-85	8	25		1	0		7909.	GSM	Uplink	9:52:13.152	SACCH	MEASUREMENT_REPORT
					296.	9:52:14.094							2	7910.	GSM	Downlink	9:52:13.304	SACCH	MEASUREMENT_INFORMATION
					297.	9:52:14.340	-86	8	25		1	0		7911.	GSM	Uplink	9:52:13.623	SACCH	MEASUREMENT_REPORT
					298.	9:52:14.564							7	7912.	GSM	Downlink	9:52:13.775	SACCH	MEASUREMENT_INFORMATION
					299.	9:52:15.336	-84	8	25		1	0		7913.	GSM	Uplink	9:52:14.094	SACCH	MEASUREMENT_REPORT
					300.	9:52:15.336							3	7914.	GSM	Uplink	9:52:14.564	SACCH	MEASUREMENT_REPORT
					301.	9:52:15.506	-80	8	25		1	0		7915.	GSM	Downlink	9:52:14.717	SACCH	MEASUREMENT_INFORMATION
					302.	9:52:15.506							6	7916.	GSM	Uplink	9:52:15.336	SACCH	MEASUREMENT_REPORT
					303.	9:52:15.977	-81	8	25		1	0		7917.	GSM	Uplink	9:52:15.414	DCCH	DISCONNECT
					304.	9:52:15.977							4	7918.	GSM	Uplink	9:52:15.506	SACCH	MEASUREMENT_REPORT
					305.	9:52:16.825								7919.	GSM	Downlink	9:52:15.510	DCCH	TMSI_REALLOCATION_COMMAND
					306.	9:58:32.175							7	7920.	GSM	Uplink	9:52:15.511	DCCH	TMSI_REALLOCATION_COMPLETE
					307.	9:58:32.983								7921.	GSM	Downlink	9:52:15.658	SACCH	SYSTEM_INFORMATION_TYPE_5

Analysis:

- This call failure event occurred on short call at 09:52:15:336 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 8 and RF condition Rx Level -84 dBm and Rx Qual 7 dB both are good
- As per the analysis call failed happened due to poor quality of the network.

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

	Time	System	Serving band		Best active RSCP	Time	Ch	SC	Best active Ec/Nf		System	Transf. dir.	Time	Subchannel	Message name
1.	9:20:50.949	UMTS FDD	2100	Dro	4966.		10690	139	-5.5	13795.	UMTS FDD	Uplink	10:19:00.87	DCCH	ROUTING_AREA_UPDATE_REQUEST
2.	9:29:37.040	UMTS FDD	2100	Tim	4967.	-84.5	10690	139		13796.	UMTS FDD	Downlink	10:19:01.18	DCCH	MEASUREMENT_CONTROL
3.	9:50:17.302	UMTS FDD	2100	Dro	4968.		10715	139	-4.2	13797.	UMTS FDD	Downlink	10:19:01.19	DCCH	SECURITY_MODE_COMMAND
4.	9:52:15.336	GSM	900	Tim	4969.	-78.6	10690	139		13798.	UMTS FDD	Uplink	10:19:01.20	DCCH	SECURITY_MODE_COMPLETE
5.	10:19:15.756	UMTS FDD	2100	Dro	4970.		10715	139	-3.4	13799.	UMTS FDD	Uplink	10:19:01.27	DCCH	UPLINK_DIRECT_TRANSFER
6.	10:54:35.604	UMTS FDD	2100	Dro	4971.	-85	10715	139		13800.	UMTS FDD	Uplink	10:19:01.27	DCCH	SETUP
7.	10:56:10.932	UMTS FDD	2100	Dro	4972.		10715	139	-4.3	13801.	UMTS FDD	Downlink	10:19:01.30	DCCH	DOWNLINK_DIRECT_TRANSFER
8.	10:56:52.069	UMTS FDD	2100	Dro	4973.	-87.4	10690	139		13802.	UMTS FDD	Downlink	10:19:01.30	DCCH	TMSI_REALLOCATION_COMMAND
					4974.		10715	139	-6	13803.	UMTS FDD	Uplink	10:19:01.31	DCCH	UPLINK_DIRECT_TRANSFER
					4975.	-90	10690	139		13804.	UMTS FDD	Uplink	10:19:01.31	DCCH	TMSI_REALLOCATION_COMPLETE
					4976.		10690	139	-5.5	13805.	UMTS FDD	Downlink	10:19:01.43	DCCH	DOWNLINK_DIRECT_TRANSFER
					4977.	-84.6	10690	139		13806.	UMTS FDD	Downlink	10:19:01.43	DCCH	CALL_PROCEEDING
					4978.		10690	139	-5	13807.	UMTS FDD	Downlink	10:19:06.20	DCCH	DOWNLINK_DIRECT_TRANSFER
					4979.	-90.8	10715	139		13808.	UMTS FDD	Downlink	10:19:06.20	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
					4980.		10715	139	-9.1	13809.	UMTS FDD	Uplink	10:19:06.26	DCCH	UPLINK_DIRECT_TRANSFER
					4981.	-90.7	10715	139		13810.	UMTS FDD	Uplink	10:19:06.26	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
					4982.		10690	139	-5.8	13811.	UMTS FDD	Downlink	10:19:06.55	DCCH	SECURITY_MODE_COMMAND
					4983.	-81.9	10715	139		13812.	UMTS FDD	Uplink	10:19:06.56	DCCH	SECURITY_MODE_COMPLETE
					4984.		10715	139	-3	13813.	UMTS FDD	Downlink	10:19:06.93	DCCH	DOWNLINK_DIRECT_TRANSFER
					4985.	-86.1	10690	139		13814.	UMTS FDD	Downlink	10:19:06.93	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					4986.		10690	139	-5.5	13815.	UMTS FDD	Uplink	10:19:06.94	DCCH	UPLINK_DIRECT_TRANSFER
					4987.	-94.3	10715	139		13816.	UMTS FDD	Uplink	10:19:06.94	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					4988.		10690	139	-6.6	13817.	UMTS FDD	Uplink	10:19:06.94	DCCH	UPLINK_DIRECT_TRANSFER
					4989.	-84.2	10715	139		13818.	UMTS FDD	Uplink	10:19:06.94	DCCH	SERVICE_REQUEST
					4990.		10715	139	-8.9	13819.	UMTS FDD	Downlink	10:19:07.03	DCCH	DOWNLINK_DIRECT_TRANSFER
					4991.	-88.9	10715	139		13820.	UMTS FDD	Downlink	10:19:07.03	DCCH	SERVICE_ACCEPT
					4992.		10690	139	-5.8	13821.	UMTS FDD	Downlink	10:19:07.18	DCCH	RADIO_BEARER_SETUP
					4993.	-89.2	10715	139		13822.	UMTS FDD	Uplink	10:19:07.47	DCCH	RADIO_BEARER_SETUP_COMPLETE
					4994.		10715	139	-4.6	13823.	UMTS FDD	Downlink	10:19:07.69	DCCH	MEASUREMENT_CONTROL
					4995.	-89.4	10690	139		13824.	UMTS FDD	Downlink	10:19:07.73	DCCH	MEASUREMENT_CONTROL
					4996.		10715	139	-4.7	13825.	UMTS FDD	Downlink	10:19:07.77	DCCH	MEASUREMENT_CONTROL
					4997.	-92.3	10715	139		13826.	UMTS FDD	Downlink	10:19:07.81	DCCH	MEASUREMENT_CONTROL
					4998.		10715	139	-3.7	13827.	UMTS FDD	Downlink	10:19:07.85	DCCH	MEASUREMENT_CONTROL
					4999.	-87.8	10715	139		13828.	UMTS FDD	Downlink	10:19:07.89	DCCH	MEASUREMENT_CONTROL
					5000.		10715	139	-3.6	13829.	UMTS FDD	Downlink	10:19:07.97	DCCH	DOWNLINK_DIRECT_TRANSFER
					5001.	-90.9	10715	139		13830.	UMTS FDD	Downlink	10:19:07.97	DCCH	MODIFY_PDP_CONTEXT_REQUEST

Analysis:

- This call failure event occurred on short call at 10:19:15:756 time when UE was latched with 3G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the session UE was latched with PSC 139 and RF condition RSCP -89.4 dBm is good and ECNO -4.7 dB are very good.
- Need to check MT End.

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

	Time	Band	Band (MHz)	Ch	PCI	RSRP	SNR	▲	Event ID	System	Transf. dir.	Time	Subchannel	Message name	
8074.	10:18:59.038	B3	1800	1849	1	-100.3			13484.	RRCSM	UMTS FC	Uplink	10:19:11.39		INTER_RAT_HANDOVER_INFO
8075.	10:18:59.038						10		13485.	RRCSM	LTE FDD	Downlink	10:19:11.42	DCCH	SecurityModeCommand
8076.	10:19:00.126	B3	1800	1849	1	-101.6			13486.	RRCSM	LTE FDD	Uplink	10:19:11.42	DCCH	SecurityModeComplete
8077.	10:19:00.126						11.2		13487.	RRCSM	LTE FDD	Downlink	10:19:11.42	DCCH	RRCCConnectionReconfiguration
8078.	10:19:01.208	B3	1800	1849	1	-101.9			13488.	RRCSM	LTE FDD	Uplink	10:19:11.43	DCCH	RRCCConnectionReconfigurationComplete
8079.	10:19:01.208						11.1		13489.	L3SM	LTE FDD	Downlink	10:19:11.43		ACTIVATE_DEFAULT_EPS_BEARER_CONTEXT_REQUEST
8080.	10:19:02.526	B3	1800	1849	1	-102.8			13490.	L3SM	LTE FDD	Downlink	10:19:11.43		ATTACH_ACCEPT
8081.	10:19:02.526						13		13491.	L3SM	LTE FDD	Uplink	10:19:11.43		ATTACH_COMPLETE
8082.	10:19:04.056	B3	1800	1849	1	-102.3			13492.	L3SM	LTE FDD	Uplink	10:19:11.43		ACTIVATE_DEFAULT_EPS_BEARER_CONTEXT_ACCEPT
8083.	10:19:04.056						11.2		13493.	RRCSM	LTE FDD	Uplink	10:19:11.43	DCCH	ULInformationTransfer
8084.	10:19:04.500	B3	1800	1849	1	-103.8			13494.	RRCSM	LTE FDD	Downlink	10:19:11.45	DCCH	RRCCConnectionReconfiguration
8085.	10:19:04.500						9.8		13495.	RRCSM	LTE FDD	Uplink	10:19:11.46	DCCH	RRCCConnectionReconfigurationComplete
8086.	10:19:07.037								13496.	RRCSM	LTE FDD	Downlink	10:19:11.50	DCCH	RRCCConnectionReconfiguration
8087.	10:19:11.525	B20	800	6300	1	-97			13497.	RRCSM	LTE FDD	Uplink	10:19:11.50	DCCH	RRCCConnectionReconfigurationComplete
8088.	10:19:11.525						12.9		13498.	RRCSM	LTE FDD	Uplink	10:19:11.91	DCCH	MeasurementReport
8089.	10:19:12.033	B20	800	6300	1	-97.9			13499.	RRCSM	LTE FDD	Uplink	10:19:11.91	DCCH	MeasurementReport
8090.	10:19:12.033						12		13500.	RRCSM	LTE FDD	Downlink	10:19:12.24	BCCH-SCH	SystemInformationBlockType1
8091.	10:19:12.336	B20	800	6300	1	-97.1			13501.	RRCSM	LTE FDD	Downlink	10:19:13.84	PCCH	Paging
8092.	10:19:12.336						10		13502.	RRCSM	LTE FDD	Downlink	10:19:15.12	PCCH	Paging
8093.	10:19:13.012	B20	800	6300	1	-101.3			13503.	RRCSM	LTE FDD	Downlink	10:19:24.08	PCCH	Paging
8094.	10:19:13.012						7.6		13504.	RRCSM	LTE FDD	Downlink	10:19:26.64	PCCH	Paging
8095.	10:19:13.428	B20	800	6300	1	-103.3			13505.	RRCSM	LTE FDD	Downlink	10:19:30.48	PCCH	Paging
8096.	10:19:13.428						7		13506.	RRCSM	LTE FDD	Downlink	10:19:31.43	DCCH	RRCCConnectionRelease
8097.	10:19:14.147	B20	800	6300	1	-101.1			13507.	RRCSM	LTE FDD	Downlink	10:19:31.92	PCCH	Paging
8098.	10:19:14.147						7.6		13508.	RRCSM	LTE FDD	Downlink	10:19:33.20	PCCH	Paging
8099.	10:19:14.486	B20	800	6300	1	-101.1			13509.	RRCSM	LTE FDD	Downlink	10:19:34.48	PCCH	Paging
8100.	10:19:14.486						6.3		13510.	RRCSM	LTE FDD	Downlink	10:19:35.76	PCCH	Paging
8101.	10:19:15.122	B20	800	6300	1	-103.1			13511.	RRCSM	LTE FDD	Downlink	10:19:37.14	BCCH-SCH	SystemInformationBlockType1
8102.	10:19:15.122						4.6		13512.	RRCSM	LTE FDD	Downlink	10:19:37.19	BCCH-SCH	SystemInformation - SIB2,SIB3
8103.	10:19:15.495	B20	800	6300	1	-99.4			13513.	RRCSM	LTE FDD	Downlink	10:19:37.23	BCCH-SCH	SystemInformation - SIB5
8104.	10:19:15.495						8.3		13514.	RRCSM	LTE FDD	Downlink	10:19:37.84	BCCH-SCH	SystemInformationBlockType1
8105.	10:19:16.036	B20	800	6300	1	-101.8			13515.	RRCSM	LTE FDD	Downlink	10:19:38.32	PCCH	Paging
8106.	10:19:16.036						7.7		13516.	RRCSM	LTE FDD	Downlink	10:19:39.60	PCCH	Paging
8107.	10:19:16.405	B20	800	6300	1	-103.3			13517.	RRCSM	LTE FDD	Downlink	10:19:42.16	PCCH	Paging
8108.	10:19:16.405						5.3		13518.	RRCSM	LTE FDD	Downlink	10:19:44.72	PCCH	Paging
8109.	10:19:17.048	B20	800	6300	1	-103.6			13519.	RRCSM	LTE FDD	Downlink	10:19:46.00	PCCH	Paging

Analysis:

- During the session UE was latched with PCI 1 and RF condition RSRP -103.1 dBm is poor and SINR 8.3 dB are good
- As per the analysis call failed happened due to poor coverage of the network.

Phase-2 Call Attempt Failure Analysis 6 From MS7 CWS MO

	Time	System	Serving band		Best active RSCP	Time	Ch	SC	Best active Ec/Nf ▲		System	Transf. dir.	Time	Subchannel	Message name	
1.	9:20:50.949	UMTS FDD	2100	Dro	7558.	-114	10:54:26.668	10690	126		21645.	UMTS FDD	Downlink	10:54:22.127	DCCH	TMSI_REALLOCATION_COMMAND
2.	9:29:37.040	UMTS FDD	2100	Tim	7559.		10:54:26.668	10690	126	-13	21646.	UMTS FDD	Uplink	10:54:22.128	DCCH	UPLINK_DIRECT_TRANSFER
3.	9:50:17.302	UMTS FDD	2100	Dro	7560.	-117.4	10:54:27.168	10690	126		21647.	UMTS FDD	Uplink	10:54:22.128	DCCH	TMSI_REALLOCATION_COMPLETE
4.	9:52:15.336	GSM	900	Tim	7561.		10:54:27.168	10690	126	-15.1	21648.	UMTS FDD	Downlink	10:54:22.257	DCCH	DOWNLINK_DIRECT_TRANSFER
5.	10:19:15.756	UMTS FDD	2100	Dro	7562.	-110.1	10:54:27.679	10690	126		21649.	UMTS FDD	Downlink	10:54:22.257	DCCH	CALL_PROCEEDING
6.	10:54:35.604	UMTS FDD	2100	Dro	7563.		10:54:27.679	10690	126	-9.8	21650.	UMTS FDD	Uplink	10:54:23.649	DCCH	MEASUREMENT_REPORT
7.	10:56:10.932	UMTS FDD	2100	Dro	7564.	-112.2	10:54:28.359	10690	126		21651.	UMTS FDD	Downlink	10:54:23.767	DCCH	ACTIVE_SET_UPDATE
8.	10:56:52.069	UMTS FDD	2100	Dro	7565.		10:54:28.359	10690	126	-11.8	21652.	UMTS FDD	Uplink	10:54:23.778	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					7566.	-115.7	10:54:29.039	10690	126		21653.	UMTS FDD	Downlink	10:54:23.897	DCCH	MEASUREMENT_CONTROL
					7567.		10:54:29.039	10690	126	-12.9	21654.	UMTS FDD	Downlink	10:54:27.067	DCCH	DOWNLINK_DIRECT_TRANSFER
					7568.	-110.8	10:54:29.489	10690	126		21655.	UMTS FDD	Downlink	10:54:27.067	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
					7569.		10:54:29.489	10690	126	-10.9	21656.	UMTS FDD	Uplink	10:54:27.105	DCCH	UPLINK_DIRECT_TRANSFER
					7570.	-117.4	10:54:30.004	10690	126		21657.	UMTS FDD	Uplink	10:54:27.105	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
					7571.		10:54:30.004	10690	126	-16.4	21658.	UMTS FDD	Downlink	10:54:27.317	DCCH	SECURITY_MODE_COMMAND
					7572.	-113.2	10:54:30.483	10690	126		21659.	UMTS FDD	Uplink	10:54:27.317	DCCH	SECURITY_MODE_COMPLETE
					7573.		10:54:30.483	10690	126	-14.7	21660.	UMTS FDD	Downlink	10:54:27.636	DCCH	DOWNLINK_DIRECT_TRANSFER
					7574.	-112.1	10:54:30.974	10690	139		21661.	UMTS FDD	Downlink	10:54:27.636	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					7575.		10:54:30.974	10690	139	-14.7	21662.	UMTS FDD	Uplink	10:54:27.638	DCCH	UPLINK_DIRECT_TRANSFER
					7576.	-111.4	10:54:31.483	10690	126		21663.	UMTS FDD	Uplink	10:54:27.638	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					7577.		10:54:31.483	10690	126	-14	21664.	UMTS FDD	Uplink	10:54:27.640	DCCH	UPLINK_DIRECT_TRANSFER
					7578.	-114.6	10:54:32.179	10690	139		21665.	UMTS FDD	Uplink	10:54:27.640	DCCH	SERVICE_REQUEST
					7579.		10:54:32.179	10690	139	-13.6	21666.	UMTS FDD	Downlink	10:54:27.767	DCCH	DOWNLINK_DIRECT_TRANSFER
					7580.	-110.8	10:54:32.639	10690	126		21667.	UMTS FDD	Downlink	10:54:27.767	DCCH	SERVICE_ACCEPT
					7581.		10:54:32.639	10690	126	-13.4	21668.	UMTS FDD	Downlink	10:54:27.966	DCCH	RADIO_BEARER_SETUP
					7582.	-106.3	10:54:33.149	10690	126		21669.	UMTS FDD	Uplink	10:54:28.243	DCCH	RADIO_BEARER_SETUP_COMPLETE
					7583.		10:54:33.149	10690	126	-10.1	21670.	UMTS FDD	Downlink	10:54:28.476	DCCH	MEASUREMENT_CONTROL
					7584.	-111.8	10:54:33.581	10690	126		21671.	UMTS FDD	Downlink	10:54:28.516	DCCH	MEASUREMENT_CONTROL
					7585.		10:54:33.581	10690	139	-12.3	21672.	UMTS FDD	Downlink	10:54:28.556	DCCH	MEASUREMENT_CONTROL
					7586.	-110.5	10:54:34.153	10690	126		21673.	UMTS FDD	Downlink	10:54:28.596	DCCH	MEASUREMENT_CONTROL
					7587.		10:54:34.153	10690	126	-11.7	21674.	UMTS FDD	Downlink	10:54:28.636	DCCH	MEASUREMENT_CONTROL
					7588.	-108.1	10:54:34.799	10690	126		21675.	UMTS FDD	Downlink	10:54:28.676	DCCH	MEASUREMENT_CONTROL
					7589.		10:54:34.799	10690	126	-9.7	21676.	UMTS FDD	Downlink	10:54:28.756	DCCH	DOWNLINK_DIRECT_TRANSFER
					7590.	-107.9	10:54:35.179	10690	139		21677.	UMTS FDD	Downlink	10:54:28.756	DCCH	MODIFY_PDP_CONTEXT_REQUEST
					7591.		10:54:35.179	10690	139	-10.7	21678.	UMTS FDD	Uplink	10:54:28.758	DCCH	UPLINK_DIRECT_TRANSFER
					7592.	-109.8	10:54:35.720	10690	126		21679.	UMTS FDD	Uplink	10:54:28.758	DCCH	MODIFY_PDP_CONTEXT_ACCEPT
					7593.		10:54:35.720	10690	126	-11.8	21680.	UMTS FDD	Uplink	10:54:28.846	DCCH	MEASUREMENT_REPORT
					7594.	-113.2	10:54:36.199	10690	126		21681.	UMTS FDD	Uplink	10:54:29.318	DCCH	MEASUREMENT_REPORT

- Analysis:**
- This call failure event occurred on short call at 10:54:35:604 time when UE was latched with 3G network.
 - After sending “CM Service Request” message to core network, then core network responds with “Call Proceeding” message. After that call setup has been failed.
 - During the session UE was latched with PSC 139 and RF condition RSCP -107.9 dBm is poor and ECNO -10.7 dB are very good.
 - As per the analysis call failed happened due to poor coverage of the network.

Phase-2 Call Attempt Failure Analysis 7 From MS7 CWS MO

	Time	System	Serving band		Best active RSCP	Time	Ch	SC	Best active Ec/Nf		System	Transf. dir.	Time	Subchannel	Message name	
1.	9:20:50.949	UMTS FDD	2100	Dro	7709.						21997.	UMTS FDD	Uplink	10:55:56.791	DCCH	SETUP
2.	9:29:37.040	UMTS FDD	2100	Tim	7710.	-115.3	10:56:06.383	10690	126		21998.	UMTS FDD	Downlink	10:55:56.810	DCCH	DOWNLINK_DIRECT_TRANSFER
3.	9:50:17.302	UMTS FDD	2100	Dro	7711.		10:56:06.383	10690	126	-16	21999.	UMTS FDD	Downlink	10:55:56.810	DCCH	TMSI_REALLOCATION_COMMAND
4.	9:52:15.336	GSM	900	Tim	7712.	-115.1	10:56:07.046	10690	126		22000.	UMTS FDD	Uplink	10:55:56.810	DCCH	UPLINK_DIRECT_TRANSFER
5.	10:19:15.756	UMTS FDD	2100	Dro	7713.		10:56:07.046	10690	126	-16.1	22001.	UMTS FDD	Uplink	10:55:56.810	DCCH	TMSI_REALLOCATION_COMPLETE
6.	10:54:35.604	UMTS FDD	2100	Dro	7714.	-113.4	10:56:07.643	10690	126		22002.	UMTS FDD	Downlink	10:55:56.950	DCCH	DOWNLINK_DIRECT_TRANSFER
7.	10:56:10.932	UMTS FDD	2100	Dro	7715.		10:56:07.643	10690	126	-15	22003.	UMTS FDD	Downlink	10:55:56.950	DCCH	CALL_PROCEEDING
8.	10:56:52.069	UMTS FDD	2100	Dro	7716.	-119.6	10:56:08.180	10690	139		22004.	UMTS FDD	Uplink	10:55:57.893	DCCH	MEASUREMENT_REPORT
					7717.		10:56:08.180	10690	139	-18.7	22005.	UMTS FDD	Downlink	10:55:58.010	DCCH	ACTIVE_SET_UPDATE
					7718.	-112.5	10:56:08.503	10690	126		22006.	UMTS FDD	Uplink	10:55:58.021	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					7719.		10:56:08.503	10690	126	-11.6	22007.	UMTS FDD	Downlink	10:55:58.139	DCCH	MEASUREMENT_CONTROL
					7720.	-112.5	10:56:08.691	10690	126		22008.	UMTS FDD	Downlink	10:56:01.839	DCCH	DOWNLINK_DIRECT_TRANSFER
					7721.		10:56:08.691	10690	126	-11.6	22009.	UMTS FDD	Downlink	10:56:01.839	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
					7722.	-112	10:56:09.162	10690	126		22010.	UMTS FDD	Uplink	10:56:01.878	DCCH	UPLINK_DIRECT_TRANSFER
					7723.		10:56:09.162	10690	126	-13	22011.	UMTS FDD	Uplink	10:56:01.878	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
					7724.	-112	10:56:09.191	10690	126		22012.	UMTS FDD	Downlink	10:56:02.169	DCCH	SECURITY_MODE_COMMAND
					7725.		10:56:09.191	10690	126	-13	22013.	UMTS FDD	Uplink	10:56:02.170	DCCH	SECURITY_MODE_COMPLETE
					7726.	-112	10:56:09.421	10690	126		22014.	UMTS FDD	Downlink	10:56:02.569	DCCH	DOWNLINK_DIRECT_TRANSFER
					7727.		10:56:09.421	10690	126	-13	22015.	UMTS FDD	Downlink	10:56:02.569	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					7728.	-112	10:56:09.690	10690	126		22016.	UMTS FDD	Uplink	10:56:02.571	DCCH	UPLINK_DIRECT_TRANSFER
					7729.		10:56:09.690	10690	126	-13	22017.	UMTS FDD	Uplink	10:56:02.571	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					7730.	-113.4	10:56:09.833	10690	126		22018.	UMTS FDD	Uplink	10:56:02.574	DCCH	UPLINK_DIRECT_TRANSFER
					7731.		10:56:09.833	10690	126	-13.1	22019.	UMTS FDD	Uplink	10:56:02.574	DCCH	SERVICE_REQUEST
					7732.	-114.8	10:56:10.070	10690	126		22020.	UMTS FDD	Downlink	10:56:02.689	DCCH	DOWNLINK_DIRECT_TRANSFER
					7733.		10:56:10.070	10690	126	-15.4	22021.	UMTS FDD	Downlink	10:56:02.689	DCCH	SERVICE_ACCEPT
					7734.	-114.8	10:56:10.190	10690	126		22022.	UMTS FDD	Downlink	10:56:02.859	DCCH	RADIO_BEARER_SETUP
					7735.		10:56:10.190	10690	126	-15.4	22023.	UMTS FDD	Uplink	10:56:03.156	DCCH	RADIO_BEARER_SETUP_COMPLETE
					7736.	-114.8	10:56:10.932	10690	126		22024.	UMTS FDD	Downlink	10:56:03.389	DCCH	MEASUREMENT_CONTROL
					7737.	-114.8	10:56:10.932	10690	126		22025.	UMTS FDD	Downlink	10:56:03.429	DCCH	MEASUREMENT_CONTROL
					7738.		10:56:10.932	10690	126	-15.4	22026.	UMTS FDD	Downlink	10:56:03.469	DCCH	MEASUREMENT_CONTROL
					7739.		10:56:10.932	10690	126	-15.4	22027.	UMTS FDD	Downlink	10:56:03.509	DCCH	MEASUREMENT_CONTROL
					7740.	-116.8	10:56:10.933	10690	126		22028.	UMTS FDD	Downlink	10:56:03.549	DCCH	MEASUREMENT_CONTROL
					7741.		10:56:10.933	10690	126	-15.2	22029.	UMTS FDD	Downlink	10:56:03.589	DCCH	MEASUREMENT_CONTROL
					7742.	-116.8	10:56:11.190	10690	126		22030.	UMTS FDD	Downlink	10:56:03.669	DCCH	DOWNLINK_DIRECT_TRANSFER
					7743.		10:56:11.190	10690	126	-15.2	22031.	UMTS FDD	Downlink	10:56:03.669	DCCH	MODIFY_PDP_CONTEXT_REQUEST
					7744.	-113.7	10:56:11.350	10690	126		22032.	UMTS FDD	Uplink	10:56:03.671	DCCH	UPLINK_DIRECT_TRANSFER

Analysis:

- This call failure event occurred on short call at 10:56:10:932 time when UE was latched with 3G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the session UE was latched with PSC 126 and RF condition RSCP -114.8 dBm is poor and ECNO -15.4 dB are very poor.
- As per the analysis call failed happened due to poor coverage of the network.

Phase-2 Call Attempt Failure Analysis 8 From MS7 CWS MO

	Time	System	Serving band		Best active RSCP	Time	Ch	SC	Best active Ec/Nf		System	Transf. dir.	Time	Subchannel	Message name	
1.	9:20:50.949	UMTS FDD	2100	Dro	8003.		10:56:49.121	10690	126	-8.1	22362.	UMTS FDD	Uplink	10:56:41.810	DCCH	SECURITY_MODE_COMPLETE
2.	9:29:37.040	UMTS FDD	2100	Tim	8004.	-106.5	10:56:49.430	10690	126		22363.	UMTS FDD	Uplink	10:56:41.930	DCCH	MEASUREMENT_REPORT
3.	9:50:17.302	UMTS FDD	2100	Dro	8005.		10:56:49.430	10690	126	-8.1	22364.	UMTS FDD	Uplink	10:56:42.001	DCCH	MEASUREMENT_REPORT
4.	9:52:15.336	GSM	900	Tim	8006.	-106.8	10:56:49.550	10690	126		22365.	UMTS FDD	Uplink	10:56:42.050	DCCH	UPLINK_DIRECT_TRANSFER
5.	10:19:15.756	UMTS FDD	2100	Dro	8007.		10:56:49.550	10690	126	-8.6	22366.	UMTS FDD	Uplink	10:56:42.050	DCCH	SETUP
6.	10:54:35.604	UMTS FDD	2100	Dro	8008.	-106.8	10:56:49.610	10690	126		22367.	UMTS FDD	Downlink	10:56:42.129	DCCH	DOWNLINK_DIRECT_TRANSFER
7.	10:56:10.932	UMTS FDD	2100	Dro	8009.	-106.8	10:56:49.610	10690	126		22368.	UMTS FDD	Downlink	10:56:42.129	DCCH	TMSI_REALLOCATION_COMMAND
8.	10:56:52.069	UMTS FDD	2100	Dro	8010.		10:56:49.610	10690	126	-8.6	22369.	UMTS FDD	Uplink	10:56:42.130	DCCH	UPLINK_DIRECT_TRANSFER
					8011.		10:56:49.610	10690	126	-8.6	22370.	UMTS FDD	Uplink	10:56:42.130	DCCH	TMSI_REALLOCATION_COMPLETE
					8012.	-106.8	10:56:49.940	10690	126		22371.	UMTS FDD	Downlink	10:56:42.329	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					8013.		10:56:49.940	10690	126	-8.6	22372.	UMTS FDD	Uplink	10:56:42.431	DCCH	MEASUREMENT_REPORT
					8014.	-107.7	10:56:50.094	10690	126		22373.	UMTS FDD	Downlink	10:56:42.449	DCCH	DOWNLINK_DIRECT_TRANSFER
					8015.		10:56:50.094	10690	126	-10	22374.	UMTS FDD	Downlink	10:56:42.449	DCCH	CALL_PROCEEDING
					8016.	-107.7	10:56:50.100	10690	126		22375.	UMTS FDD	Uplink	10:56:42.610	DCCH	MEASUREMENT_REPORT
					8017.		10:56:50.100	10690	126	-10	22376.	UMTS FDD	Uplink	10:56:42.930	DCCH	MEASUREMENT_REPORT
					8018.	-107.7	10:56:50.440	10690	126		22377.	UMTS FDD	Uplink	10:56:43.122	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
					8019.		10:56:50.440	10690	126	-10	22378.	UMTS FDD	Uplink	10:56:43.430	DCCH	MEASUREMENT_REPORT
					8020.	-109.2	10:56:50.612	10690	126		22379.	UMTS FDD	Uplink	10:56:43.610	DCCH	MEASUREMENT_REPORT
					8021.		10:56:50.612	10690	126	-11.9	22380.	UMTS FDD	Uplink	10:56:43.930	DCCH	MEASUREMENT_REPORT
					8022.	-109.2	10:56:50.730	10690	126		22381.	UMTS FDD	Uplink	10:56:43.971	DCCH	MEASUREMENT_REPORT
					8023.		10:56:50.730	10690	126	-11.9	22382.	UMTS FDD	Uplink	10:56:44.430	DCCH	MEASUREMENT_REPORT
					8024.	-109.2	10:56:50.941	10690	126		22383.	UMTS FDD	Uplink	10:56:44.610	DCCH	MEASUREMENT_REPORT
					8025.		10:56:50.941	10690	126	-11.9	22384.	UMTS FDD	Uplink	10:56:44.930	DCCH	MEASUREMENT_REPORT
					8026.	-110.8	10:56:51.219	10690	126		22385.	UMTS FDD	Uplink	10:56:45.430	DCCH	MEASUREMENT_REPORT
					8027.		10:56:51.219	10690	126	-12.4	22386.	UMTS FDD	Uplink	10:56:45.610	DCCH	MEASUREMENT_REPORT
					8028.	-109.2	10:56:51.695	10690	126		22387.	UMTS FDD	Uplink	10:56:45.930	DCCH	MEASUREMENT_REPORT
					8029.		10:56:51.695	10690	126	-11.2	22388.	UMTS FDD	Uplink	10:56:46.001	DCCH	MEASUREMENT_REPORT
					8030.	-109.2	10:56:51.730	10690	126		22389.	UMTS FDD	Uplink	10:56:46.431	DCCH	MEASUREMENT_REPORT
					8031.		10:56:51.730	10690	126	-11.2	22390.	UMTS FDD	Uplink	10:56:46.610	DCCH	MEASUREMENT_REPORT
					8032.	-109.2	10:56:51.940	10690	126		22391.	UMTS FDD	Uplink	10:56:46.930	DCCH	MEASUREMENT_REPORT
					8033.		10:56:51.940	10690	126	-11.2	22392.	UMTS FDD	Uplink	10:56:47.430	DCCH	MEASUREMENT_REPORT
					8034.	-109.2	10:56:52.441	10690	126		22393.	UMTS FDD	Uplink	10:56:47.610	DCCH	MEASUREMENT_REPORT
					8035.	-110.6	10:56:52.441	10690	126		22394.	UMTS FDD	Uplink	10:56:47.930	DCCH	MEASUREMENT_REPORT
					8036.		10:56:52.441	10690	126	-11.2	22395.	UMTS FDD	Uplink	10:56:48.430	DCCH	MEASUREMENT_REPORT
					8037.		10:56:52.441	10690	126	-12.2	22396.	UMTS FDD	Uplink	10:56:48.610	DCCH	MEASUREMENT_REPORT
					8038.	-109.1	10:56:52.662	10690	126		22397.	UMTS FDD	Uplink	10:56:48.930	DCCH	MEASUREMENT_REPORT
					8039.		10:56:52.662	10690	126	-10.1	22398.	UMTS FDD	Uplink	10:56:49.109	DCCH	MEASUREMENT_REPORT

Analysis:

- This call failure event occurred on short call at 10:56:52:069 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 session UE was latched with PSC 126 and RF condition RSCP -109.2 dBm is poor and ECNO -11.2 dB are very good.
- As per the analysis call failed happened due to poor coverage of 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/Nr		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	10:32:07.325	UMTS FDD	900	Voice call	9575.	-104.3	10:31:51.430	3050	11			9239.	RRCSM	UMTS FC Uplink	10:31:26.945	DCCH	MEASUREMENT_REPORT
					9576.		10:31:51.430	3050	11	-22.9		9240.	RRCSM	UMTS FC Downlink	10:31:27.163	DCCH	ACTIVE_SET_UPDATE
					9577.	-102.8	10:31:52.036	3050	11			9241.	RRCSM	UMTS FC Uplink	10:31:27.194	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					9578.		10:31:52.036	3050	11	-23.4		9242.	RRCSM	UMTS FC Downlink	10:31:27.403	DCCH	MEASUREMENT_CONTROL
					9579.	-103.5	10:31:52.430	3050	11			9243.	RRCSM	UMTS FC Uplink	10:31:31.500	DCCH	MEASUREMENT_REPORT
					9580.		10:31:52.430	3050	11	-24.8		9244.	RRCSM	UMTS FC Uplink	10:31:38.219	DCCH	MEASUREMENT_REPORT
					9581.	-104	10:31:53.036	3050	11			9245.	RRCSM	UMTS FC Downlink	10:31:38.446	DCCH	ACTIVE_SET_UPDATE
					9582.		10:31:53.036	3050	11	-25.1		9246.	RRCSM	UMTS FC Uplink	10:31:38.458	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					9583.	-100.4	10:31:53.429	3050	11			9247.	RRCSM	UMTS FC Downlink	10:31:38.726	DCCH	MEASUREMENT_CONTROL
					9584.		10:31:53.429	3050	11	-21.4		9248.	RRCSM	UMTS FC Uplink	10:31:41.309	DCCH	MEASUREMENT_REPORT
					9585.	-100.4	10:31:53.519	3050	11			9249.	RRCSM	UMTS FC Downlink	10:31:41.526	DCCH	ACTIVE_SET_UPDATE
					9586.		10:31:53.519	3050	11	-21.4		9250.	RRCSM	UMTS FC Uplink	10:31:41.558	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					9587.	-102.2	10:31:54.175	3050	11			9251.	RRCSM	UMTS FC Downlink	10:31:41.767	DCCH	MEASUREMENT_CONTROL
					9588.		10:31:54.175	3050	11	-23.1		9252.	RRCSM	UMTS FC Uplink	10:31:41.899	DCCH	MEASUREMENT_REPORT
					9589.	-102.2	10:31:54.450	3050	11			9253.	RRCSM	UMTS FC Uplink	10:31:44.119	DCCH	MEASUREMENT_REPORT
					9590.		10:31:54.450	3050	11	-23.6		9254.	RRCSM	UMTS FC Uplink	10:31:47.541	DCCH	MEASUREMENT_REPORT
					9591.	-104.1	10:31:55.276	3050	11			9255.	RRCSM	UMTS FC Downlink	10:31:47.847	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					9592.		10:31:55.276	3050	11	-25.1		9256.	RRCSM	UMTS FC Uplink	10:31:47.888	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
					9593.	-104.1	10:31:55.632	3050	11			9257.	RRCSM	UMTS FC Downlink	10:31:48.366	DCCH	MEASUREMENT_CONTROL
					9594.		10:31:55.632	3050	11	-25.1		9258.	RRCSM	UMTS FC Uplink	10:31:49.130	DCCH	MEASUREMENT_REPORT
					9595.	-104.1	10:31:56.154	3050	11			9259.	RRCSM	UMTS FC Uplink	10:31:49.606	DCCH	MEASUREMENT_REPORT
					9596.		10:31:56.154	3050	11	-25.1		9260.	RRCSM	UMTS FC Uplink	10:31:53.519	DCCH	MEASUREMENT_REPORT
					9597.	-104.1	10:31:56.782	3050	11			9261.	RRCSM	UMTS FC Downlink	10:31:53.846	DCCH	HANDOVER_FROM_UTRAN_COMMAND_G
					9598.		10:31:56.782	3050	11	-25.1		9262.	L3SM	UMTS FC Downlink	10:31:53.846	DCCH	HANDOVER_COMMAND
					9599.	-104.1	10:31:57.294	3050	11			9263.	L3SM	GSM Downlink	10:31:53.864	DCCH	HANDOVER_COMMAND
					9600.		10:31:57.294	3050	11	-25.1		9264.	RRCSM	UMTS FC Downlink	10:31:56.095	BCCH_BCH	SYSTEM_INFORMATION_BCH
					9601.	-104.1	10:31:58.432	3050	11			9265.	RRCSM	UMTS FC Downlink	10:31:56.095	BCCH	MASTER_INFORMATION_BLOCK
					9602.		10:31:58.432	3050	11	-25.1		9266.	RRCSM	UMTS FC Downlink	10:31:56.095	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					9603.	-88.1	10:34:02.683	1069	142			9267.	RRCSM	UMTS FC Downlink	10:31:56.915	BCCH_BCH	SYSTEM_INFORMATION_BCH
					9604.		10:34:02.683	1069	142	-6		9268.	RRCSM	UMTS FC Downlink	10:31:56.915	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_2
					9605.	-88.4	10:34:03.039	1069	142			9269.	RRCSM	UMTS FC Downlink	10:31:56.915	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					9606.		10:34:03.039	1069	142	-6.8		9270.	RRCSM	UMTS FC Downlink	10:31:56.935	BCCH_BCH	SYSTEM_INFORMATION_BCH
					9607.	-83	10:34:03.103	1069	142			9271.	RRCSM	UMTS FC Downlink	10:31:56.955	BCCH_BCH	SYSTEM_INFORMATION_BCH
					9608.		10:34:03.103	1069	142	-5.3		9272.	RRCSM	UMTS FC Downlink	10:31:56.975	BCCH_BCH	SYSTEM_INFORMATION_BCH
					9609.	-89.3	10:34:04.073	1069	142			9273.	RRCSM	UMTS FC Downlink	10:31:56.975	BCCH	MASTER_INFORMATION_BLOCK
					9610.		10:34:04.073	1069	142	-8		9274.	RRCSM	UMTS FC Downlink	10:31:56.975	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7

Analysis:

- This call drop event occurred on long call at 10:32:07:325 time when UE was latched with 2G network.
- After getting Alerting message at 10:31:15:323 time than Call drop happened.
- During the session UE was latched with PSC 11 and RF condition RSCP -104.1 dBm is poor and ECNO -25.1 dB are very good.
- As per the analysis call Drop happened due to poor coverage of the network.

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		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	9:53:34.265	GSM	900	Voice call	1434.	9:53:15.028	-92	25	25	1	10			5267.	L3SM	GSM	Uplink	9:53:16.597	SACCH	MEASUREMENT_REPORT
2.	10:02:46.198	GSM	900	Voice call	1435.	9:53:15.157	-89	25	25	1	10			5268.	L3SM	GSM	Downlink	9:53:17.030	SACCH	MEASUREMENT_INFORMATION
3.	10:07:51.469	UMTS FDD	2100	Voice call	1436.	9:53:15.157						4		5269.	L3SM	GSM	Uplink	9:53:17.077	SACCH	MEASUREMENT_REPORT
					1437.	9:53:15.637						0		5270.	L3SM	GSM	Downlink	9:53:17.510	SACCH	MEASUREMENT_INFORMATION
					1438.	9:53:15.983	-92	25	25	1	10			5271.	L3SM	GSM	Uplink	9:53:17.557	SACCH	MEASUREMENT_REPORT
					1439.	9:53:16.624	-87	25	25	1	10			5272.	L3SM	GSM	Downlink	9:53:17.990	SACCH	MEASUREMENT_INFORMATION
					1440.	9:53:17.077						2		5273.	L3SM	GSM	Uplink	9:53:18.037	SACCH	MEASUREMENT_REPORT
					1441.	9:53:17.557	-91	25	25	1	10			5274.	L3SM	GSM	Downlink	9:53:18.470	SACCH	MEASUREMENT_INFORMATION
					1442.	9:53:17.557						1		5275.	L3SM	GSM	Uplink	9:53:18.517	SACCH	MEASUREMENT_REPORT
					1443.	9:53:18.037	-83	25	25	1	10			5276.	L3SM	GSM	Downlink	9:53:18.950	SACCH	MEASUREMENT_INFORMATION
					1444.	9:53:18.037						0		5277.	L3SM	GSM	Uplink	9:53:18.997	SACCH	MEASUREMENT_REPORT
					1445.	9:53:18.517	-82	25	25	1	10			5278.	L3SM	GSM	Downlink	9:53:19.430	SACCH	SYSTEM_INFORMATION_TYPE_5
					1446.	9:53:19.030	-84	25	25	1	10			5279.	L3SM	GSM	Uplink	9:53:19.477	SACCH	MEASUREMENT_REPORT
					1447.	9:53:19.477	-85	25	25	1	10			5280.	L3SM	GSM	Downlink	9:53:19.910	SACCH	SYSTEM_INFORMATION_TYPE_5TER
					1448.	9:53:20.104	-89	25	25	1	10			5281.	L3SM	GSM	Uplink	9:53:19.957	SACCH	MEASUREMENT_REPORT
					1449.	9:53:20.437						3		5282.	L3SM	GSM	Downlink	9:53:20.390	SACCH	SYSTEM_INFORMATION_TYPE_6
					1450.	9:53:20.457	-88	25	25	1	10			5283.	L3SM	GSM	Uplink	9:53:20.437	SACCH	MEASUREMENT_REPORT
					1451.	9:53:20.917						4		5284.	L3SM	GSM	Downlink	9:53:20.870	SACCH	MEASUREMENT_INFORMATION
					1452.	9:53:21.101	-91	25	25	1	10			5285.	L3SM	GSM	Uplink	9:53:20.917	SACCH	MEASUREMENT_REPORT
					1453.	9:53:21.397						0		5286.	L3SM	GSM	Downlink	9:53:21.350	SACCH	MEASUREMENT_INFORMATION
					1454.	9:53:21.600	-89	25	25	1	10			5287.	L3SM	GSM	Uplink	9:53:21.397	SACCH	MEASUREMENT_REPORT
					1455.	9:53:21.877						2		5288.	L3SM	GSM	Downlink	9:53:21.830	SACCH	MEASUREMENT_INFORMATION
					1456.	9:53:22.357						5		5289.	L3SM	GSM	Uplink	9:53:21.877	SACCH	MEASUREMENT_REPORT
					1457.	9:53:22.421	-88	25	25	1	10			5290.	L3SM	GSM	Downlink	9:53:22.310	SACCH	MEASUREMENT_INFORMATION
					1458.	9:53:22.836	-88	25	25	1	10			5291.	L3SM	GSM	Uplink	9:53:22.357	SACCH	MEASUREMENT_REPORT
					1459.	9:53:22.837						0		5292.	L3SM	GSM	Downlink	9:53:22.790	SACCH	MEASUREMENT_INFORMATION
					1460.	9:53:23.317	-82	25	25	1	10			5293.	L3SM	GSM	Uplink	9:53:22.837	SACCH	MEASUREMENT_REPORT
					1461.	9:53:23.898	-84	25	25	1	10			5294.	L3SM	GSM	Downlink	9:53:23.270	SACCH	SYSTEM_INFORMATION_TYPE_5
					1462.	9:53:24.323	-87	25	25	1	10			5295.	L3SM	GSM	Uplink	9:53:23.317	SACCH	MEASUREMENT_REPORT
					1463.	9:53:25.027	-84	25	25	1	10			5296.	L3SM	GSM	Downlink	9:53:23.750	SACCH	SYSTEM_INFORMATION_TYPE_5TER
					1464.	9:53:25.237	-83	25	25	1	10			5297.	L3SM	GSM	Uplink	9:53:23.797	SACCH	MEASUREMENT_REPORT
					1465.	9:53:26.029	-79	25	25	1	10			5298.	L3SM	GSM	Downlink	9:53:24.230	SACCH	SYSTEM_INFORMATION_TYPE_6
					1466.	9:53:26.677	-85	25	25	1	10			5299.	L3SM	GSM	Uplink	9:53:24.277	SACCH	MEASUREMENT_REPORT
					1467.	9:53:27.637	-86	25	25	1	10			5300.	L3SM	GSM	Downlink	9:53:24.710	SACCH	MEASUREMENT_INFORMATION
					1468.	9:53:28.117						3		5301.	L3SM	GSM	Uplink	9:53:24.757	SACCH	MEASUREMENT_REPORT
					1469.	9:53:28.324	-85	25	25	1	10			5302.	L3SM	GSM	Downlink	9:53:25.190	SACCH	MEASUREMENT_INFORMATION

Analysis:

- This call drop event occurred on long call at 09:53:34:265 time when UE was latched with 2G network.
- After getting Alerting message at 09:52:57:204 time than Call drop happened.
- During the session UE was latched with ARFCN 25 and RF condition Rx Level -89 dBm and Rx Qual 5 dB both are ok.
- As per the analysis call Drop happened due to poor coverage of the network.

Phase-2 Call Drop Analysis 2 From MS11 CWS MO

	Time	System	Serving band	Call type		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub		System	Transf. dir.	Time	Subchannel	Message name	
1.	9:53:34.265	GSM	900	Voice call	1739.	10:02:15.580						6		6389.	GSM	Uplink	10:02:15.100	SACCH	MEASUREMENT_REPORT
2.	10:02:46.198	GSM	900	Voice call	1740.	10:02:16.060	-93	24	22	1	10			6390.	GSM	Downlink	10:02:15.534	SACCH	SYSTEM_INFORMATION_TYPE_6
3.	10:07:51.469	UMTS FDD	2100	Voice call	1741.	10:02:16.540	-94	24	22	1	10			6391.	GSM	Uplink	10:02:15.580	SACCH	MEASUREMENT_REPORT
					1742.	10:02:17.020	-95	24	22	1	10			6392.	GSM	Downlink	10:02:16.014	SACCH	MEASUREMENT_INFORMATION
					1743.	10:02:17.500	-95	24	22	1	10			6393.	GSM	Uplink	10:02:16.060	SACCH	MEASUREMENT_REPORT
					1744.	10:02:18.035	-94	24	22	1	10			6394.	GSM	Downlink	10:02:16.494	SACCH	MEASUREMENT_INFORMATION
					1745.	10:02:18.460	-95	24	22	1	10			6395.	GSM	Uplink	10:02:16.540	SACCH	MEASUREMENT_REPORT
					1746.	10:02:19.420	-95	24	22	1	10			6396.	GSM	Downlink	10:02:16.974	SACCH	MEASUREMENT_INFORMATION
					1747.	10:02:19.900	-95	24	22	1	10			6397.	GSM	Uplink	10:02:17.020	SACCH	MEASUREMENT_REPORT
					1748.	10:02:19.900						7		6398.	GSM	Downlink	10:02:17.454	SACCH	MEASUREMENT_INFORMATION
					1749.	10:02:21.026	-96	24	22	1	10			6399.	GSM	Uplink	10:02:17.500	SACCH	MEASUREMENT_REPORT
					1750.	10:02:21.340	-97	24	22	1	10			6400.	GSM	Downlink	10:02:17.934	SACCH	MEASUREMENT_INFORMATION
					1751.	10:02:21.968	-96	24	22	1	10			6401.	GSM	Uplink	10:02:17.980	SACCH	MEASUREMENT_REPORT
					1752.	10:02:22.300	-96	24	22	1	10			6402.	GSM	Downlink	10:02:18.414	SACCH	SYSTEM_INFORMATION_TYPE_5
					1753.	10:02:23.033	-95	24	22	1	10			6403.	GSM	Uplink	10:02:18.460	SACCH	MEASUREMENT_REPORT
					1754.	10:02:23.260	-94	24	22	1	10			6404.	GSM	Downlink	10:02:18.894	SACCH	SYSTEM_INFORMATION_TYPE_5TER
					1755.	10:02:23.740						6		6405.	GSM	Uplink	10:02:18.940	SACCH	MEASUREMENT_REPORT
					1756.	10:02:24.034	-95	24	22	1	10			6406.	GSM	Downlink	10:02:19.374	SACCH	SYSTEM_INFORMATION_TYPE_6
					1757.	10:02:24.220						7		6407.	GSM	Uplink	10:02:19.420	SACCH	MEASUREMENT_REPORT
					1758.	10:02:24.446	-95	24	22	1	10			6408.	GSM	Uplink	10:02:19.900	SACCH	MEASUREMENT_REPORT
					1759.	10:02:24.700						6		6409.	GSM	Downlink	10:02:20.334	SACCH	MEASUREMENT_INFORMATION
					1760.	10:02:25.032	-95	24	22	1	10			6410.	GSM	Uplink	10:02:20.380	SACCH	MEASUREMENT_REPORT
					1761.	10:02:25.180						7		6411.	GSM	Uplink	10:02:20.860	SACCH	MEASUREMENT_REPORT
					1762.	10:02:25.406	-95	24	22	1	10			6412.	GSM	Uplink	10:02:21.340	SACCH	MEASUREMENT_REPORT
					1763.	10:02:26.205	-94	24	22	1	10			6413.	GSM	Uplink	10:02:21.820	SACCH	MEASUREMENT_REPORT
					1764.	10:02:26.666	-96	24	22	1	10			6414.	GSM	Downlink	10:02:22.254	SACCH	SYSTEM_INFORMATION_TYPE_5
					1765.	10:02:27.127	-96	24	22	1	10			6415.	GSM	Uplink	10:02:22.300	SACCH	MEASUREMENT_REPORT
					1766.	10:02:27.585	-96	24	22	1	10			6416.	GSM	Uplink	10:02:22.700	SACCH	MEASUREMENT_REPORT
					1767.	10:02:28.101	-96	24	22	1	10			6417.	GSM	Downlink	10:02:23.214	SACCH	SYSTEM_INFORMATION_TYPE_6
					1768.	10:02:28.563	-95	24	22	1	10			6418.	GSM	Uplink	10:02:23.260	SACCH	MEASUREMENT_REPORT
					1769.	10:02:29.088	-95	24	22	1	10			6419.	GSM	Downlink	10:02:23.694	SACCH	MEASUREMENT_INFORMATION
					1770.	10:02:29.975	-95	24	22	1	10			6420.	GSM	Uplink	10:02:23.740	SACCH	MEASUREMENT_REPORT
					1771.	10:02:30.460	-97	24	22	1	10			6421.	GSM	Uplink	10:02:24.220	SACCH	MEASUREMENT_REPORT
					1772.	10:02:30.940	-95	24	22	1	10			6422.	GSM	Uplink	10:02:24.700	SACCH	MEASUREMENT_REPORT
					1773.	10:02:31.900	-96	24	22	1	10			6423.	GSM	Uplink	10:02:25.180	SACCH	MEASUREMENT_REPORT

Analysis:

- This call drop event occurred on long call at 10:02:46:198 time when UE was latched with 2G network.
- After getting Alerting message at 10:01:09:436 time than Call drop happened.
- During the session UE was latched with ARFCN 24 and RF condition Rx Level -97 dBm and Rx Qual 7 dB both are poor.
- As per the analysis call Drop happened due to poor coverage of the network.

Phase-2 Call Drop Analysis 3 From 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.	9:53:34.265	GSM	900	Voice call	5367.	10:07:47.215	10690	339	-25.2	7424.	RRCSM	UMTS FDD	Uplink	10:07:31.945	DCCH	MEASUREMENT_REPORT
2.	10:02:46.198	GSM	900	Voice call	5368.	10:07:47.624	10690	339		7425.	RRCSM	UMTS FDD	Uplink	10:07:31.955	DCCH	MEASUREMENT_REPORT
3.	10:07:51.469	UMTS FDD	2100	Voice call	5369.	10:07:47.624	10690	339	-25.4	7426.	RRCSM	UMTS FDD	Uplink	10:07:36.228	DCCH	MEASUREMENT_REPORT
					5370.	10:07:48.084	10690	339		7427.	RRCSM	UMTS FDD	Uplink	10:07:36.706	DCCH	MEASUREMENT_REPORT
					5371.	10:07:48.215	10690	339		7428.	RRCSM	UMTS FDD	Uplink	10:07:37.546	DCCH	MEASUREMENT_REPORT
					5372.	10:07:48.564	10690	339		7429.	RRCSM	UMTS FDD	Uplink	10:07:37.955	DCCH	MEASUREMENT_REPORT
					5373.	10:07:48.564	10690	339	-25.8	7430.	RRCSM	UMTS FDD	Uplink	10:07:39.248	DCCH	MEASUREMENT_REPORT
					5374.	10:07:49.135	10690	339		7431.	RRCSM	UMTS FDD	Uplink	10:07:41.589	DCCH	MEASUREMENT_REPORT
					5375.	10:07:49.135	10690	339	-23.9	7432.	RRCSM	UMTS FDD	Uplink	10:07:43.887	DCCH	MEASUREMENT_REPORT
					5376.	10:07:49.215	10690	339		7433.	RRCSM	UMTS FDD	Uplink	10:07:43.945	DCCH	MEASUREMENT_REPORT
					5377.	10:07:49.215	10690	339	-23.9	7434.	RRCSM	UMTS FDD	Uplink	10:07:43.965	DCCH	MEASUREMENT_REPORT
					5378.	10:07:49.547	10690	339		7435.	RRCSM	UMTS FDD	Downlink	10:07:44.214	DCCH	MEASUREMENT_CONTROL
					5379.	10:07:49.547	10690	339	-23.9	7436.	RRCSM	UMTS FDD	Uplink	10:07:45.194	DCCH	MEASUREMENT_REPORT
					5380.	10:07:49.617	10690	339		7437.	RRCSM	UMTS FDD	Uplink	10:07:45.215	DCCH	MEASUREMENT_REPORT
					5381.	10:07:49.617	10690	339	-25.4	7438.	RRCSM	UMTS FDD	Uplink	10:07:45.571	DCCH	MEASUREMENT_REPORT
					5382.	10:07:50.135	10690	339		7439.	RRCSM	UMTS FDD	Uplink	10:07:46.215	DCCH	MEASUREMENT_REPORT
					5383.	10:07:50.135	10690	339	-25.9	7440.	RRCSM	UMTS FDD	Uplink	10:07:46.367	DCCH	MEASUREMENT_REPORT
					5384.	10:07:50.215	10690	339		7441.	RRCSM	UMTS FDD	Uplink	10:07:47.215	DCCH	MEASUREMENT_REPORT
					5385.	10:07:50.215	10690	339	-25.9	7442.	RRCSM	UMTS FDD	Uplink	10:07:48.215	DCCH	MEASUREMENT_REPORT
					5386.	10:07:50.637	10690	339		7443.	RRCSM	UMTS FDD	Uplink	10:07:49.215	DCCH	MEASUREMENT_REPORT
					5387.	10:07:50.844	10690	339		7444.	RRCSM	UMTS FDD	Uplink	10:07:49.547	DCCH	MEASUREMENT_REPORT
					5388.	10:07:51.215	10690	339		7445.	RRCSM	UMTS FDD	Uplink	10:07:49.965	DCCH	MEASUREMENT_REPORT
					5389.	10:07:51.470	10690	339		7446.	RRCSM	UMTS FDD	Uplink	10:07:50.215	DCCH	MEASUREMENT_REPORT
					5390.	10:07:51.607	10690	339		7447.	RRCSM	UMTS FDD	Uplink	10:07:50.844	DCCH	MEASUREMENT_REPORT
					5391.	10:07:51.607	10690	339	-25.6	7448.	RRCSM	UMTS FDD	Uplink	10:07:51.215	DCCH	MEASUREMENT_REPORT
					5392.	10:07:56.341	10690	139		7449.	RRCSM	UMTS FDD	Downlink	10:07:51.690	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5393.	10:07:56.341	10690	139	-5.4	7450.	RRCSM	UMTS FDD	Downlink	10:07:51.690	BCCH	MASTER_INFORMATION_BLOCK
					5394.	10:10:05.311	10690	139		7451.	RRCSM	UMTS FDD	Downlink	10:07:51.690	BCCH	SYSTEM_INFORMATION_BLOCK
					5395.	10:10:05.311	10690	139	-8.6	7452.	RRCSM	UMTS FDD	Downlink	10:07:51.710	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5396.	10:10:06.030	10690	139		7453.	RRCSM	UMTS FDD	Downlink	10:07:51.730	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5397.	10:10:06.030	10690	139	-7	7454.	RRCSM	UMTS FDD	Downlink	10:07:51.730	BCCH	SYSTEM_INFORMATION_BLOCK
					5398.	10:10:06.510	10690	139		7455.	RRCSM	UMTS FDD	Downlink	10:07:51.790	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5399.	10:10:06.510	10690	139	-7.2	7456.	RRCSM	UMTS FDD	Downlink	10:07:51.790	BCCH	SYSTEM_INFORMATION_BLOCK
					5400.	10:10:07.030	10690	139		7457.	RRCSM	UMTS FDD	Downlink	10:07:51.790	BCCH	SYSTEM_INFORMATION_BLOCK
					5401.	10:10:07.030	10690	139	-10.4	7458.	RRCSM	UMTS FDD	Downlink	10:07:51.970	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5402.	10:10:07.480	10690	139		7459.	RRCSM	UMTS FDD	Downlink	10:07:51.990	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5403.	10:10:07.480	10690	139	-7.9	7460.	RRCSM	UMTS FDD	Downlink	10:07:51.990	BCCH	SYSTEM_INFORMATION_BLOCK
										7461.	RRCSM	UMTS FDD	Downlink	10:07:52.010	BCCH_BCH	SYSTEM_INFORMATION_BCH

Analysis:

- This call drop event occurred on long call at 10:07:51:469 time when UE was latched with 2G network.
- After getting Alerting message at 10:07:20:414 time than Call drop happened.
- During the session UE was latched with PSC 339 and RF condition RSCP -99.6 dBm is poor and ECNO -25.9 dB are very good.
- As per the analysis call Drop happened due to poor quality of the network.

THANKS