Seychelles Test Drive

La Digue Phase-2 Report

DRIVE TEST ROUTE

Phase-1 Dates- 24th Oct 2024

Route Name: Mahe

District Name: La Digue

Region: La Digue

Island: La Digue

Drive Test Distance: 28.41 kms

Drive Test Duration: 02 hours,19 minutes,43 seconds

Phase-2 Dates- 30th Oct 2024

Route Name: Mahe

District Name: La Digue

Region: La Digue

Island: La Digue

Drive Test Distance: 27.59 kms

Drive Test Duration: 02 hours,16 minutes,51 seconds

VOICE EXECUTIVE SUMMARY

Phase-1

Short Call Findings:

- The Call Setup Success Rate for Airtel is (98.84%), while for Operator CWS it is (100.00%).
- The Call Setup Time for Airtel is (5.65s), while for Operator CWS it is (6.27s).

Long Call Findings :

- The Call Retainability for Airtel is (100.00%), while for CWS it is (95.65%).
- The MOS quality observed for Airtel is (3.15), and for CWS, it is (3.64).

Phase-2

Short Call Findings:

- The Call Setup Success Rate for Airtel is (98.29%), while for Operator CWS it is (98.84%).
- The Call Setup Time for Airtel is (5.57s), while for Operator CWS it is (6.28s)

Long Call Findings :

- The Call Retainability for Airtel is (100.00%), while for CWS it is (100.00%).
- The MOS quality observed for Airtel is (3.19), and for CWS, it is (3.53).

4G PREFERRED DATA TEST – EXECUTIVE SUMMARY

Phase-1

4G Preferred Data Findings:

- Airtel SFTP DL is (13.76 Mbps), while SFTP UL is (5.79 Mbps), CWS SFTP DL is (7.11 Mbps), while SFTP UL is (3.93 Mbps)
- Airtel HTTP DL is (20.25 Mbps), HTTP Capacity DL is (49.71 Mbps) ,HTTP UL is (8.83 Mbps) , and HTTP Capacity UL is (19.80 Mbps).
- CWS HTTP DL is (8.71 Mbps), HTTP Capacity DL is (41.49 Mbps) ,HTTP UL is (7.95Mbps) , and HTTP Capacity UL is (33.07 Mbps).
- On live web page testing for browsing, www.shein.com took (6.45s), www.nbs.gov.sc took (17.73s), and www.sbc.sc took (15.46s) on Airtel.
- On live web page testing for browsing, www.shein.com took (6.50s), www.nbs.gov.sc took (15.94s), and www.sbc.sc took (15.83s) on CWS.
- On static browsing, Kepler Webpage took (4.61s), and Kepler Mobile took (1.72s) on Airtel.
- On static browsing, Kepler Webpage took (5.00s), and Kepler Mobile took (2.88s) on CWS.
- YouTube average resolution in Airtel is (1080.00) pixels.
- YouTube average resolution in CWS is (1080.00) pixels.
- Airtel scored 60.23% in Carrier Aggregation (CA).
- CWS scored 47.06% in Carrier Aggregation (CA).

Phase-2

4G Preferred Data Findings:

- Airtel SFTP DL is (14.10 Mbps), while SFTP UL is (4.69 Mbps), CWS SFTP DL is (6.43 Mbps), while SFTP UL is (3.65 Mbps)
- Airtel HTTP DL is (20.24 Mbps), HTTP Capacity DL is (60.08 Mbps) ,HTTP UL is (7.66 Mbps) , and HTTP Capacity UL is (15.57 Mbps).
- CWS HTTP DL is (7.65 Mbps), HTTP Capacity DL is (36.83 Mbps) ,HTTP UL is (7.40 Mbps) , and HTTP Capacity UL is (31.36 Mbps).
- On live web page testing for browsing, www.shein.com took (6.99s), www.nbs.gov.sc took (17.73s), and www.sbc.sc took (15.81s) on Airtel.
- On live web page testing for browsing, www.shein.com took (6.06s), www.nbs.gov.sc took (16.64s), and www.sbc.sc took (14.72s) on CWS.
- On static browsing, Kepler Webpage took (5.14s), and Kepler Mobile took (1.87s) on Airtel.
- On static browsing, Kepler Webpage took (5.12s), and Kepler Mobile took (2.92s) on CWS.
- YouTube average resolution in Airtel is (1080.00) pixels.
- YouTube average resolution in CWS is (1080.00) pixels.
- Airtel scored 59.83% in Carrier Aggregation (CA).
- CWS scored 46.28% in Carrier Aggregation (CA).

3G PREFERRED DATA TEST - EXECUTIVE SUMMARY

Phase-1

3G Preferred Data Test Findings:

- Airtel SFTP DL is (5.56 Mbps), while SFTP UL is (1.16 Mbps), CWS SFTP DL is (3.54 Mbps), while SFTP UL is (0.97 Mbps)
- Airtel HTTP DL is (5.47 Mbps), HTTP Capacity DL is (6.92 Mbps) ,HTTP UL is (2.68 Mbps) , and HTTP Capacity UL is (4.37 Mbps).
- CWS HTTP DL is (2.98 Mbps), HTTP Capacity DL is (11.65 Mbps) ,HTTP UL is (1.96 Mbps) , and HTTP Capacity UL is (4.39 Mbps).
- On live web page testing for browsing, www.shein.com took (8.88s), www.nbs.gov.sc took (11.02s), and www.sbc.sc took (11.70s) on Airtel.
- On live web page testing for browsing, www.shein.com took (7.74s), www.nbs.gov.sc took (6.88s), and www.sbc.sc took (10.85s) on CWS.
- On static browsing, Kepler Webpage took (4.22s), and Kepler Mobile took (1.77s) on Airtel.
- On static browsing, Kepler Webpage took (5.46s), and Kepler Mobile took (2.36s) 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 (4.92 Mbps), while SFTP UL is (1.52 Mbps), CWS SFTP DL is (3.72 Mbps), while SFTP UL is (1.07 Mbps)
- Airtel HTTP DL is (5.37 Mbps), HTTP Capacity DL is (7.53 Mbps) ,HTTP UL is (2.75 Mbps) , and HTTP Capacity UL is (5.18 Mbps).
- CWS HTTP DL is (3.29 Mbps), HTTP Capacity DL is (10.81 Mbps) ,HTTP UL is (1.72 Mbps) , and HTTP Capacity UL is (4.48 Mbps).
- On live web page testing for browsing, www.shein.com took (8.65s), www.nbs.gov.sc took (10.46s), and www.sbc.sc took (11.93s) on Airtel.
- On live web page testing for browsing, www.shein.com took (7.21s), www.nbs.gov.sc took (14.62s), and www.sbc.sc took (14.70s) on CWS.
- On static browsing, Kepler Webpage took (4.07s), and Kepler Mobile took (1.96s) on Airtel.
- On static browsing, Kepler Webpage took (7.53s), and Kepler Mobile took (2.94s) on CWS.
- YouTube average resolution in Airtel is (1053.82) pixels.
- YouTube average resolution in CWS is (1065.24) pixels.

TESTING METHODOLOGY

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

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

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

VOICE TEST KPI STATISTICS (Short Call)

Phase-1

Short Call Statistics		
Short Call Scenario	Operator 1	Operator 2
Voice KPIs	Airtel	CWS
Call Attempt	173	168
Call Failed	2	0
Call Connected	171	168
CSSR[%]	98.84	100.00
USCSR[%]	1.16	0.00
CST [s] Alerting	5.65	6.27
CST [s]Connected	5.89	6.45

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)	5.65	6.27	1	2
CS calls CST (until ringing/alerting)	5.62	9.91	1	2
CSFB calls CST (until ringing/alerting)	5.67	6.24	1	2
Overall CST (until Connect/Connect Acknowledge)	5.89	6.45	1	2
CS calls CST (until Connect/Connect Acknowledge)	5.86	10.01	1	2
CSFB calls CST (until Connect/Connect Acknowledge)	5.91	6.43	1	2

Phase-2

Short Call Statistics		
Short Call Scenario	Operator 1	Operator 2
Voice KPIs	Airtel	CWS
Call Attempt	175	173
Call Failed	3	2
Call Connected	172	171
CSSR[%]	98.29	98.84
USCSR[%]	1.71	1.16
CST [s] Alerting	5.57	6.28
CST [s]Connected	5.85	6.49

Call Setup Time (s)	Operators		Rank	
	Airtel	CWS	Airtel	CWS
Overall CST (until ringing/alerting)	5.57	6.28	1	2
CS calls CST (until ringing/alerting)	5.28	9.87	1	2
CSFB calls CST (until ringing/alerting)	5.72	6.19	1	2
Overall CST (until Connect/Connect Acknowledge)	5.85	6.49	1	2
CS calls CST (until Connect/Connect Acknowledge)	5.59	9.94	1	2
CSFB calls CST (until Connect/Connect Acknowledge)	5.98	6.41	1	2

VOICE TEST KPI STATISTICS (Long Call)

Phase-1

Long Call Statistics		
Long Call Scenario	Operator 1	Operator 2
Voice KPIs	Airtel	CWS
Call Connected	45	46
Call Dropped	0	2
Call Completed	45	44
CRR[%]	100.00	95.65
DCR[%]	0.00	4.35
MOS	3.15	3.64

	Airtel short call	CWS short call	Airtel long call	CWS long call
CSFB Calls	109	165	32	45
CS Calls	64	3	13	1

Handover Statistics	Airtel MO	CWS MO
Handover Attempt	29	46
Handover Failure	4	0
Handover Success	25	46
HOSR %	86.21	100.00

Phase-2

Long Call Statistics		
Long Call Scenario	Operator 1	Operator 2
Voice KPIs	Airtel	CWS
Call Connected	44	45
Call Dropped	0	0
Call Completed	44	45
CRR[%]	100.00	100.00
DCR[%]	0.00	0.00
MOS	3.19	3.53

	Airtel short call	CWS short call	Airtel long call	CWS long call
CSFB Calls	117	169	33	45
CS Calls	58	4	11	0

Handover Statistics	Airtel MO	CWS MO
Handover Attempt	21	58
Handover Failure	3	0
Handover Success	18	58
HOSR %	85.71	100.00

DATA TEST KPI STATISTICS(4G Preferred)

DATA Scenario		Phase-1				Phase-2			
		Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)	Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	13.76	7.11	1	2	14.10	6.43	1	2
	SFTP UL(Mbps)	5.79	3.93	1	2	4.69	3.65	1	2
	HTTP DL(Mbps)	20.25	8.71	1	2	20.24	7.65	1	2
	HTTP UL(Mbps)	8.83	7.95	1	2	7.66	7.40	1	2
	HTTP Capacity DL(Mbps)	49.71	41.49	1	2	60.08	36.83	1	2
	HTTP Capacity UL(Mbps)	19.80	33.07	2	1	15.57	31.36	2	1
BROWSER	Overall Browser DL Time (s)	9.32	8.92	2	1	9.60	9.09	2	1
	Kepler Webpage DL Time (s)	4.61	5.00	1	2	5.14	5.12	2	1
	Mobile Kepler Webpage DL Time (s)	1.72	2.88	1	2	1.87	2.92	1	2
	www.shein.com Webpage DL Time (s)	6.45	6.50	1	2	6.99	6.06	2	1
	www.nbs.gov.sc Webpage DL Time (s)	17.73	15.94	2	1	17.73	16.64	2	1
	www.sbc.sc Webpage DL Time (s)	15.46	15.83	1	2	15.81	14.72	2	1
LATENCY	Avg Latency (ms)	271.35	290.41	1	2	267.59	338.34	1	2
	Median Latency (ms)	153	243	1	2	170	343	1	2
YOUTUBE	YouTube Access Time (s)	5.17	1.72	2	1	5.22	1.78	2	1
	YouTube Average Resolution (pixels)	1080.00	1080.00	1	1	1080.00	1080.00	1	1
	YouTube Success Ratio [%]	96.43	92.86	1	2	81.82	100.00	2	1

4G PREFERRED THROUGHPUT FILE ACCESS

Phase-1

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	29	28	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	28	27	100.00	96.43
	Failure	0	1	0.00	3.57
HTTP DL	Success	28	28	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	28	27	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity DL	Success	25	25	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	23	24	92.00	100.00
	Failure	2	0	8.00	0.00

Phase-2

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	18	26	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	18	26	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP DL	Success	16	26	94.12	100.00
	Failure	1	0	5.88	0.00
HTTP UL	Success	18	26	81.82	100.00
	Failure	4	0	18.18	0.00
HTTP Capacity DL	Success	17	26	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	16	23	80.00	100.00
	Failure	4	0	20.00	0.00

4G PREFERRED BROWSING FILE ACCESS

Phase-1

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	22	27	88.00	100.00
	Failure	3	0	12.00	0.00
Mobile Kepler	Success	24	25	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	24	26	96.00	100.00
	Failure	1	0	4.00	0.00
www.nbs.gov.sc	Success	24	22	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	25	24	100.00	96.00
	Failure	0	1	0.00	4.00

Phase-2

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	16	26	88.89	100.00
	Failure	2	0	11.11	0.00
Mobile Kepler	Success	18	26	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	18	26	100.00	100.00
	Failure	0	0	0.00	0.00
www.nbs.gov.sc	Success	18	26	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	18	26	100.00	100.00
	Failure	0	0	0.00	0.00

4G PREFERRED LATENCY

Phase-1

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	52	50
	Average Latency [ms]	267.33	285.66
	Median Latency [ms]	153	280
	Ping session status: Successful	52	50
	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]	416.28	233.67
	Median Latency [ms]	408	167
	Ping session status: Successful	25	24
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
102.133.176.104	Average Latency [ms]	129.41	333.65
	Median Latency [ms]	129	338
	Ping session status: Successful	27	26
	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]	35	52
	Average Latency [ms]	266.26	352.23
	Median Latency [ms]	197	355
	Ping session status: Successful	35	52
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
www.google.com	Average Latency [ms]	410.65	329.04
	Median Latency [ms]	403	374
	Ping session status: Successful	17	26
	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]	129.89	375.42
	Median Latency [ms]	127	355
	Ping session status: Successful	18	26
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00

4G PREFERRED YOUTUBE COMPARISON

Phase-1

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	28	28
Success(Count)	27	26
Failure(Count)	1	2
YouTube Access Time (s)	5.17	1.72
YouTube Average Resolution (pixels)	1080.00	1080.00
YouTube Success Ratio [%]	96.43	92.86

Phase-2

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	22	26
Success(Count)	18	26
Failure(Count)	4	0
YouTube Access Time (s)	5.22	1.78
YouTube Average Resolution (pixels)	1080.00	1080.00
YouTube Success Ratio [%]	81.82	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)	5.56	3.54	1	2	4.92	3.72	1	2
	SFTP UL(Mbps)	1.67	0.97	1	2	1.52	1.07	1	2
	HTTP DL(Mbps)	5.47	2.98	1	2	5.37	3.29	1	2
	HTTP UL(Mbps)	2.68	1.96	1	2	2.75	1.72	1	2
	HTTP Capacity DL(Mbps)	6.92	11.65	2	1	7.53	10.81	2	1
	HTTP Capacity UL(Mbps)	4.37	4.39	2	1	5.18	4.48	1	2
BROWSER	Overall Browser DL Time (s)	7.49	6.61	2	1	7.44	9.47	1	2
	Kepler Webpage DL Time (s)	4.22	5.46	1	2	4.07	7.53	1	2
	Mobile Kepler Webpage DL Time (s)	1.77	2.36	1	2	1.96	2.94	1	2
	www.shein.com Webpage DL Time (s)	8.88	7.74	2	1	8.65	7.21	2	1
	www.nbs.gov.sc Webpage DL Time (s)	11.02	6.88	2	1	10.46	14.62	1	2
	www.sbc.sc Webpage DL Time (s)	11.70	10.85	2	1	11.93	14.70	1	2
LATENCY	Avg Latency (ms)	287.54	203.35	2	1	269.39	210.51	2	1
	Median Latency (ms)	394	196	2	1	291	196	2	1
YOUTUBE	YouTube Access Time (s)	3.26	1.85	2	1	3.38	3.43	1	2
	YouTube Average Resolution (pixels)	1080.00	1080.00	1	1	1053.82	1065.24	2	1
	YouTube Success Ratio [%]	100.00	72.73	1	2	91.67	81.82	1	2

3G PREFERRED THROUGHPUT FILE ACCESS

Phase-1

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G (%)	CWS 3G (%)
SFTP DL	Success	21	24	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	21	24	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP DL	Success	24	24	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	24	20	96.00	83.33
	Failure	1	4	4.00	16.67
HTTP Capacity DL	Success	21	22	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	20	20	100.00	95.24
	Failure	0	1	0.00	4.76

Phase-2

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
SFTP DL	Success	22	19	95.65	100.00
	Failure	1	0	4.35	0.00
SFTP UL	Success	23	19	100.00	95.00
	Failure	0	1	0.00	5.00
HTTP DL	Success	23	21	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	23	18	95.83	81.82
	Failure	1	4	4.17	18.18
HTTP Capacity DL	Success	22	21	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	21	19	95.45	95.00
	Failure	1	1	4.55	5.00

3G PREFERRED BROWSING FILE ACCESS

Phase-1

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	23	21	100.00	100.00
	Failure	0	0	0.00	0.00
Mobile Kepler	Success	20	20	95.24	100.00
	Failure	1	0	4.76	0.00
www.shein.com	Success	20	21	95.24	100.00
	Failure	1	0	4.76	0.00
www.nbs.gov.sc	Success	22	22	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	20	19	100.00	95.00
	Failure	0	1	0.00	5.00

Phase-2

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	20	18	95.24	85.71
	Failure	1	3	4.76	14.29
Mobile Kepler	Success	22	21	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	22	20	100.00	95.24
	Failure	0	1	0.00	4.76
www.nbs.gov.sc	Success	21	21	95.45	100.00
	Failure	1	0	4.55	0.00
www.sbc.sc	Success	22	21	100.00	100.00
	Failure	0	0	0.00	0.00

3G PREFERRED LATENCY

Phase-1

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	29	40
	Average Latency [ms]	349.59	183.75
	Median Latency [ms]	407	174
	Ping session status: Successful	29	40
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	16	2
	Packet Loss<1%	35.56	4.76
www.google.com	Average Latency [ms]	422.29	154.91
	Median Latency [ms]	419	139
	Ping session status: Successful	21	22
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
102.133.176.104	Average Latency [ms]	158.75	219.00
	Median Latency [ms]	134	212
	Ping session status: Successful	8	18
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	16	2
	Packet Loss<1%	66.67	10.00

Phase-2

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	43	39
	Average Latency [ms]	269.40	210.56
	Median Latency [ms]	395	196
	Ping session status: Successful	43	39
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	2	1
	Packet Loss<1%	4.44	2.50
www.google.com	Average Latency [ms]	408.27	162.05
	Median Latency [ms]	405	143
	Ping session status: Successful	22	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]	123.90	267.17
	Median Latency [ms]	121	223
	Ping session status: Successful	21	18
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	2	1
	Packet Loss<1%	8.70	5.26

3G PREFERRED YOUTUBE COMPARISON

Phase-1

UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	23	22
Success(Count)	23	16
Failure(Count)	0	6
YouTube Access Time (s)	3.26	1.85
YouTube Average Resolution (pixels)	1080.00	1080.00
YouTube Success Ratio [%]	100.00	72.73

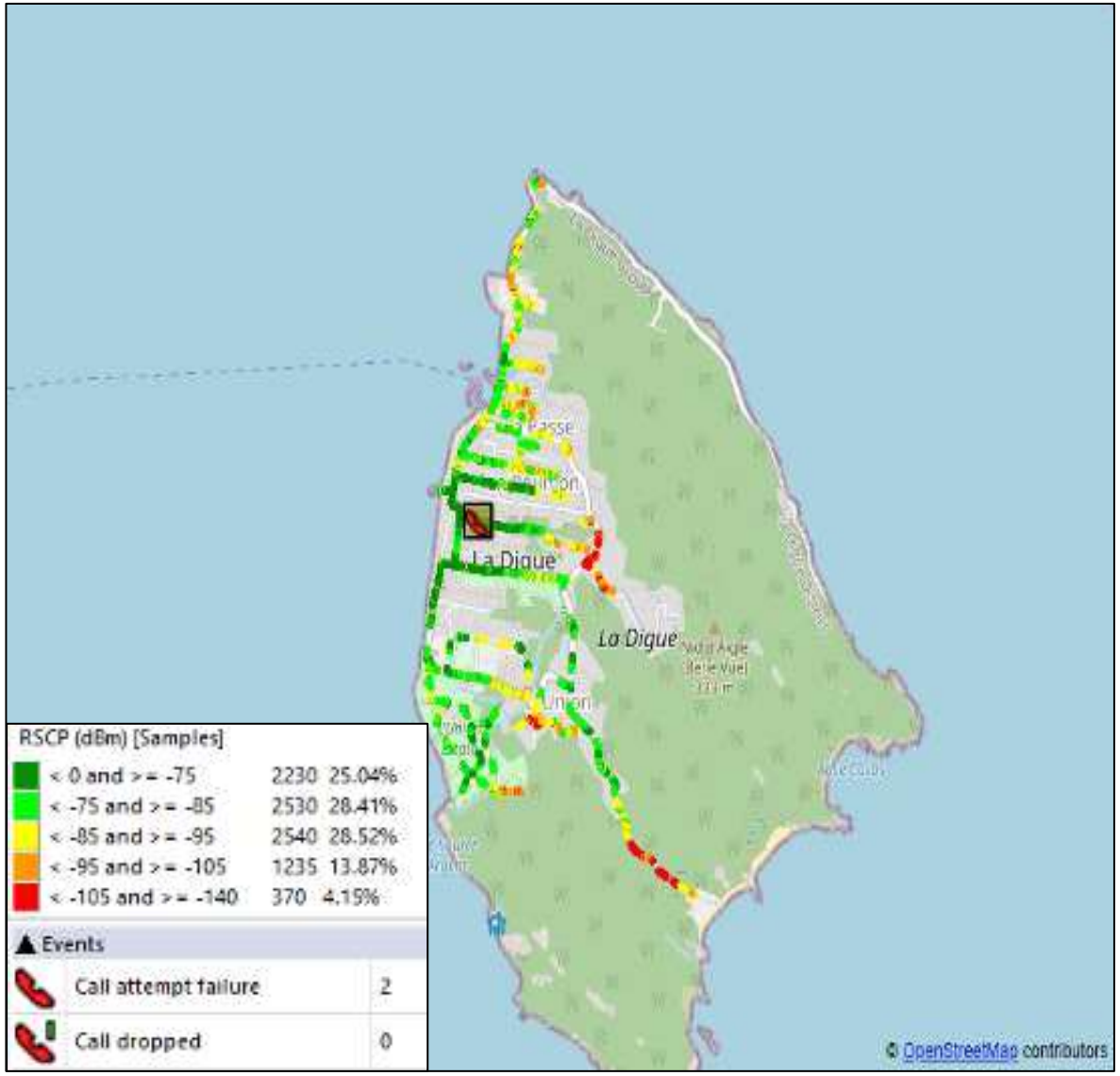
Phase-2

UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	24	22
Success(Count)	22	18
Failure(Count)	2	4
YouTube Access Time (s)	3.38	3.43
YouTube Average Resolution (pixels)	1053.82	1065.24
YouTube Success Ratio [%]	91.67	81.82

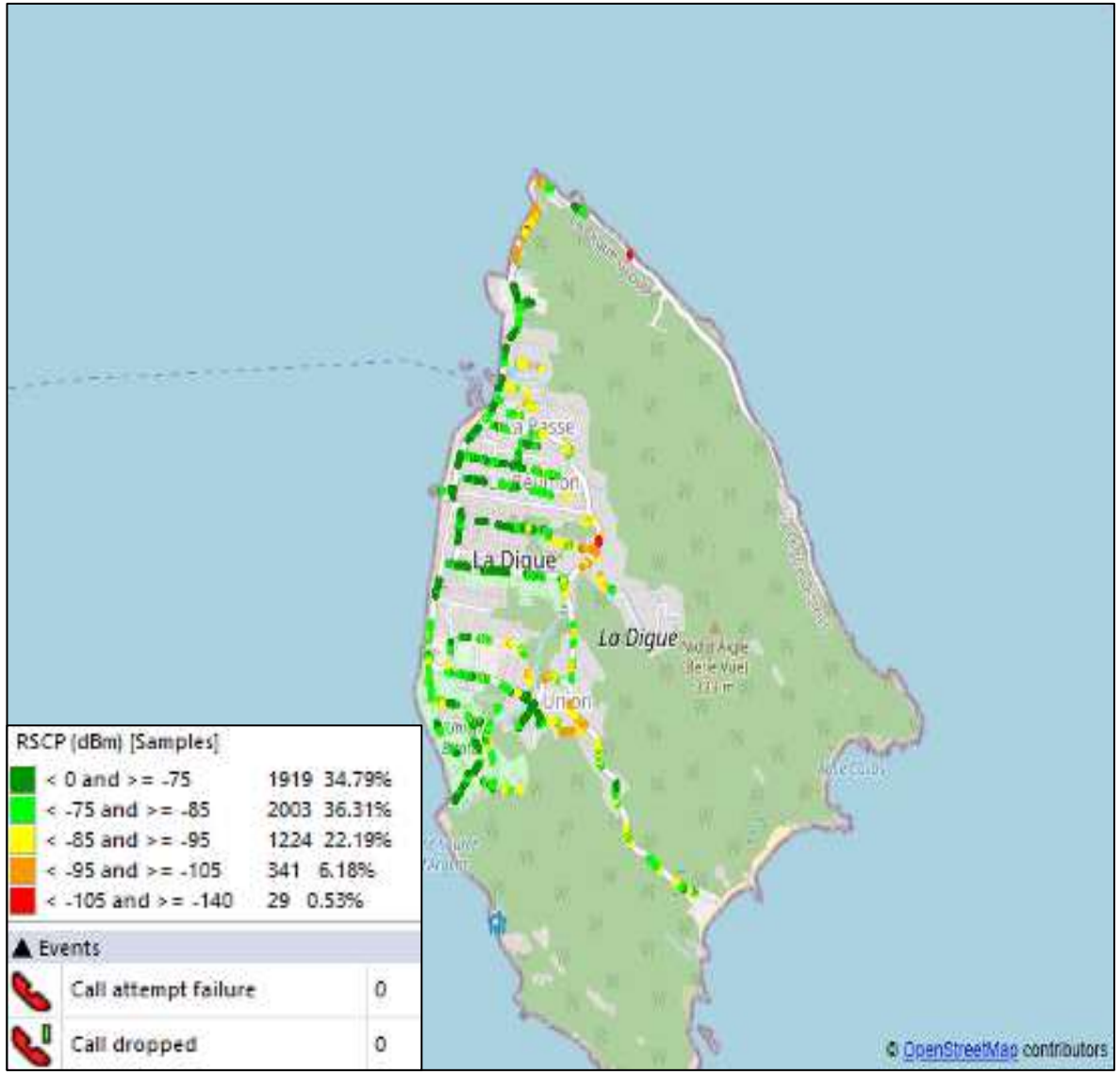
Voice Call Events

Phase-1 SHORT CALL FAILURE EVENTS LOCATION vs RSCP

Airtel SC MO

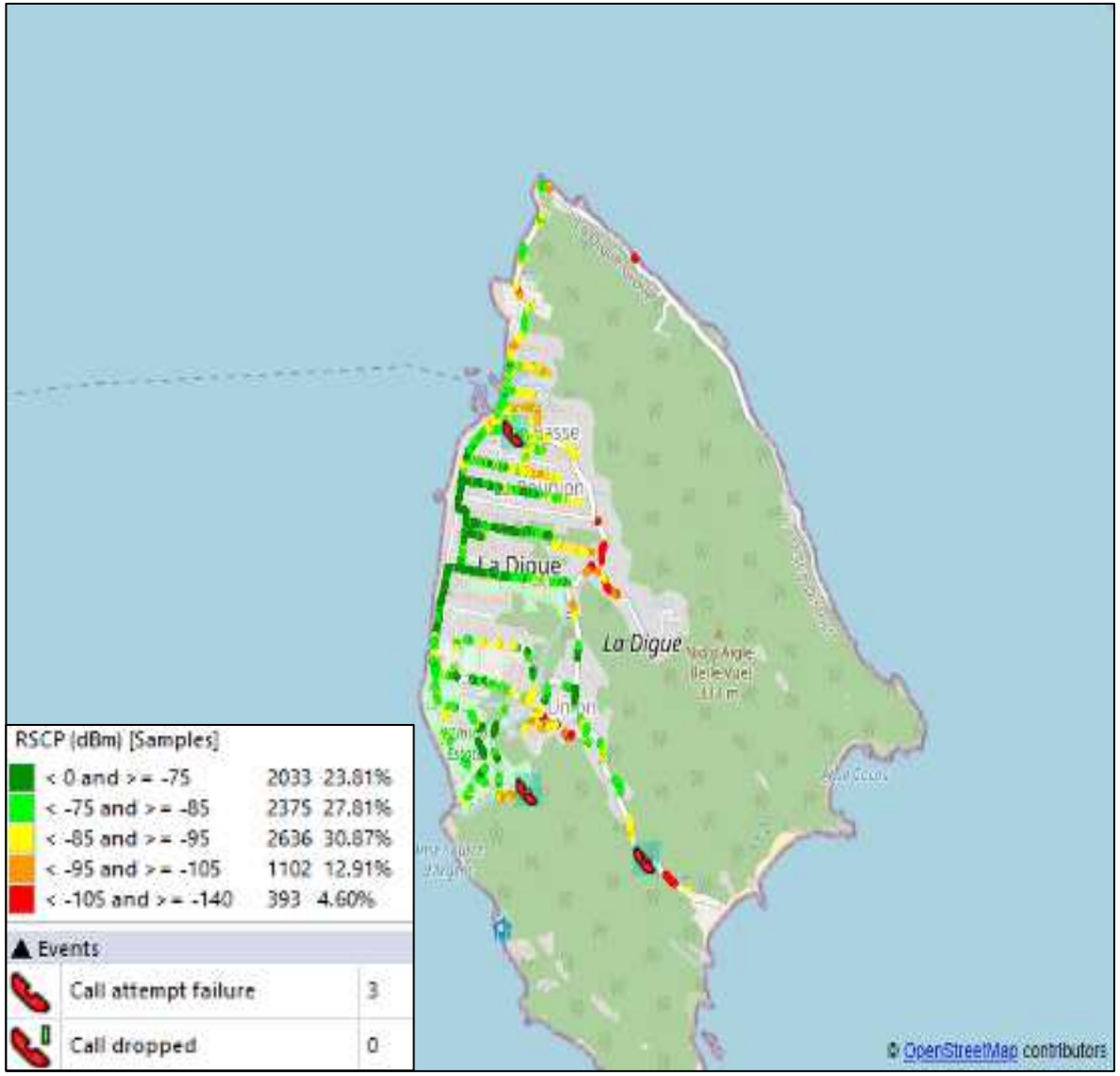


CWS SC MO

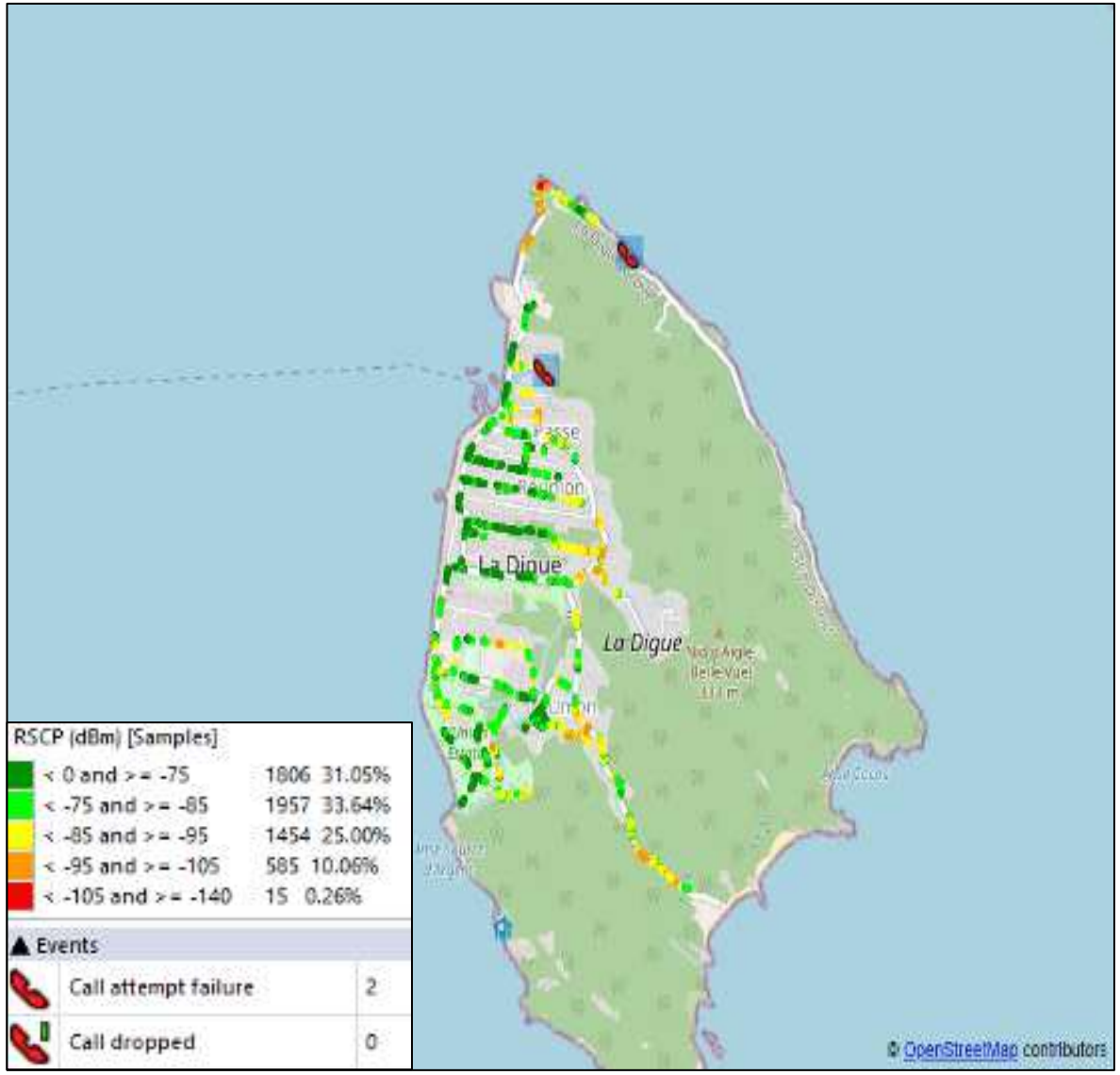


Phase-2 SHORT CALL FAILURE EVENTS LOCATION vs RSCP

Airtel SC MO

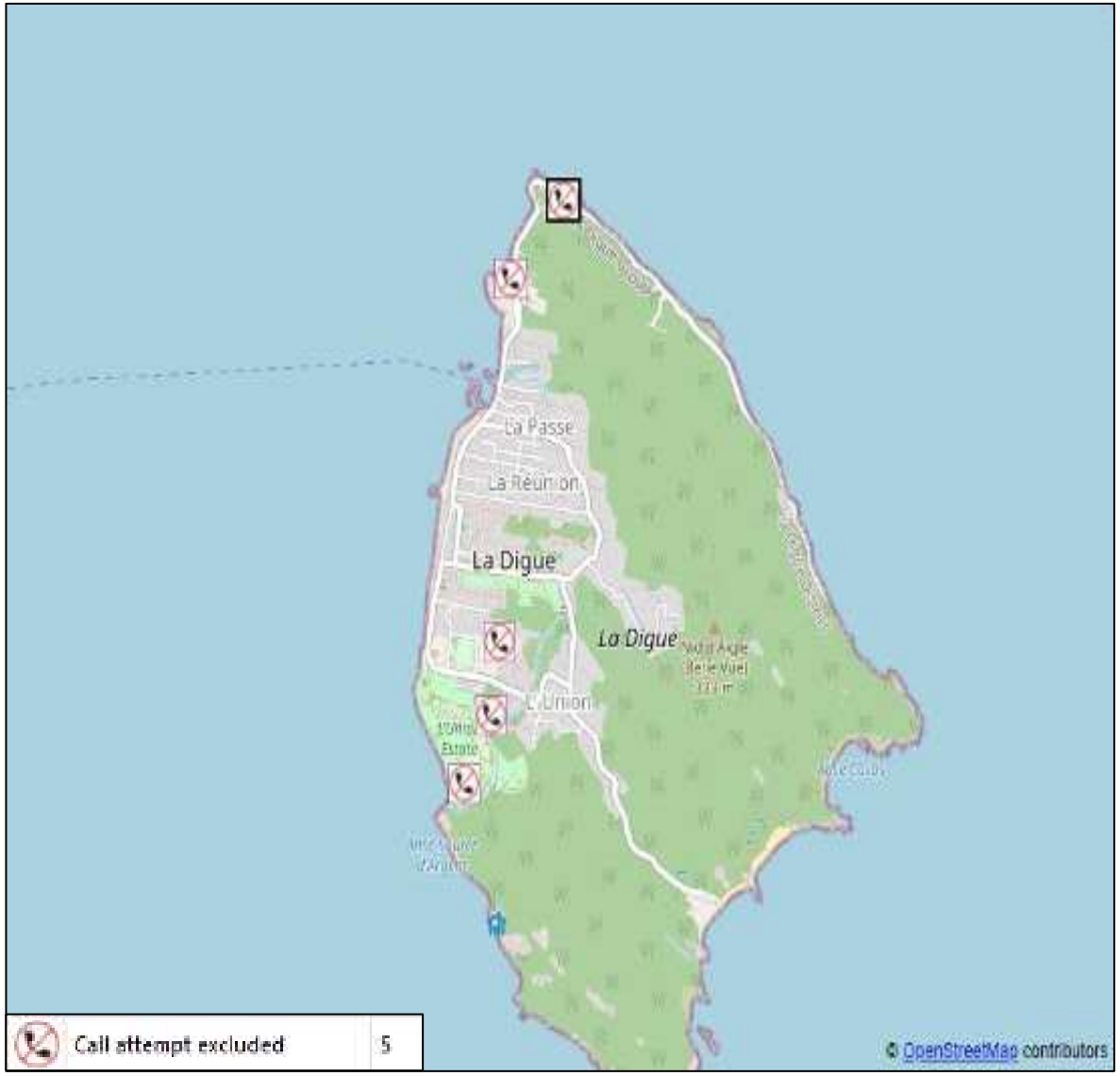


CWS SC MO

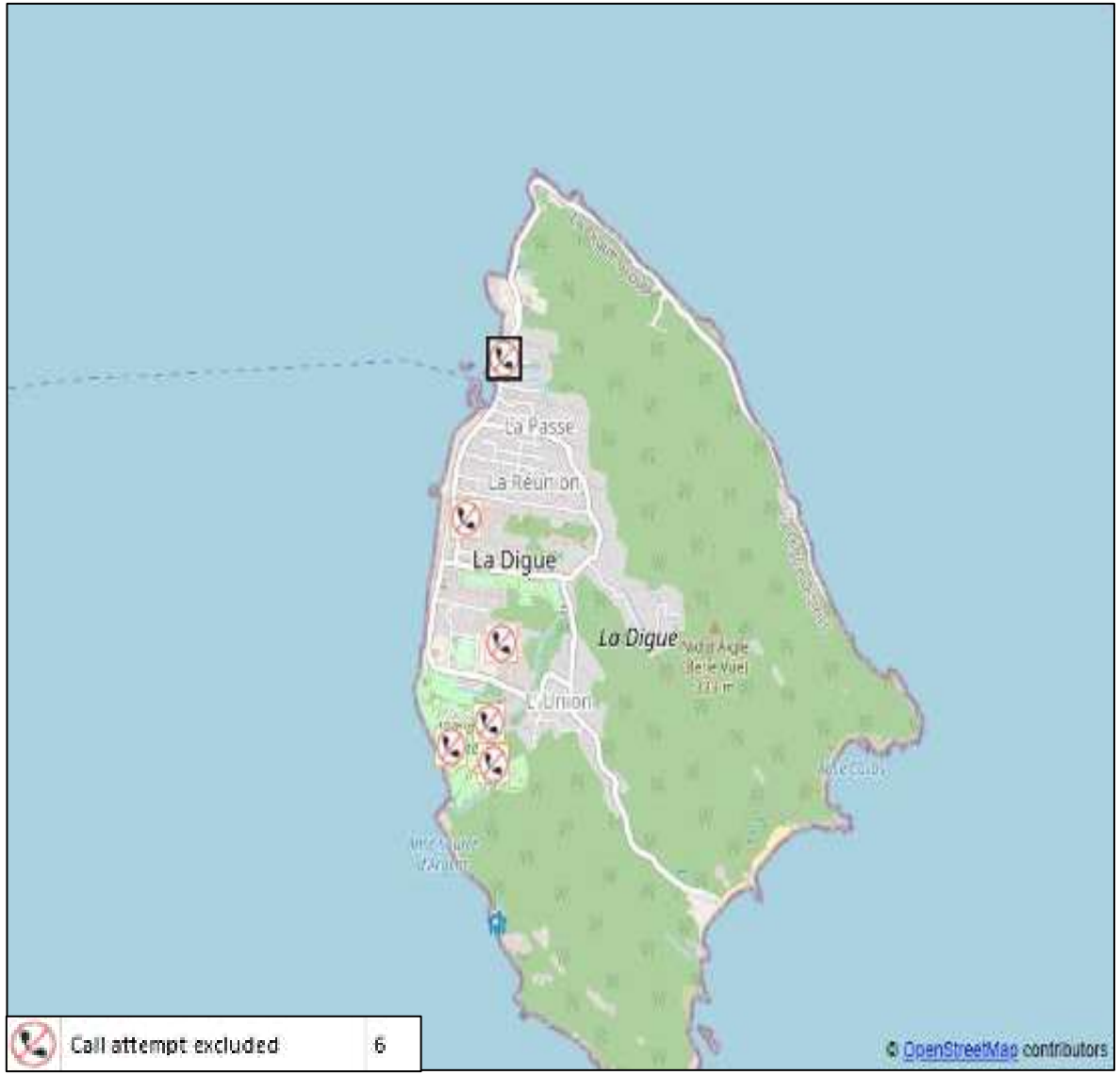


Phase-1 SHORT CALL EXCLUDED EVENTS

Airtel SC MO

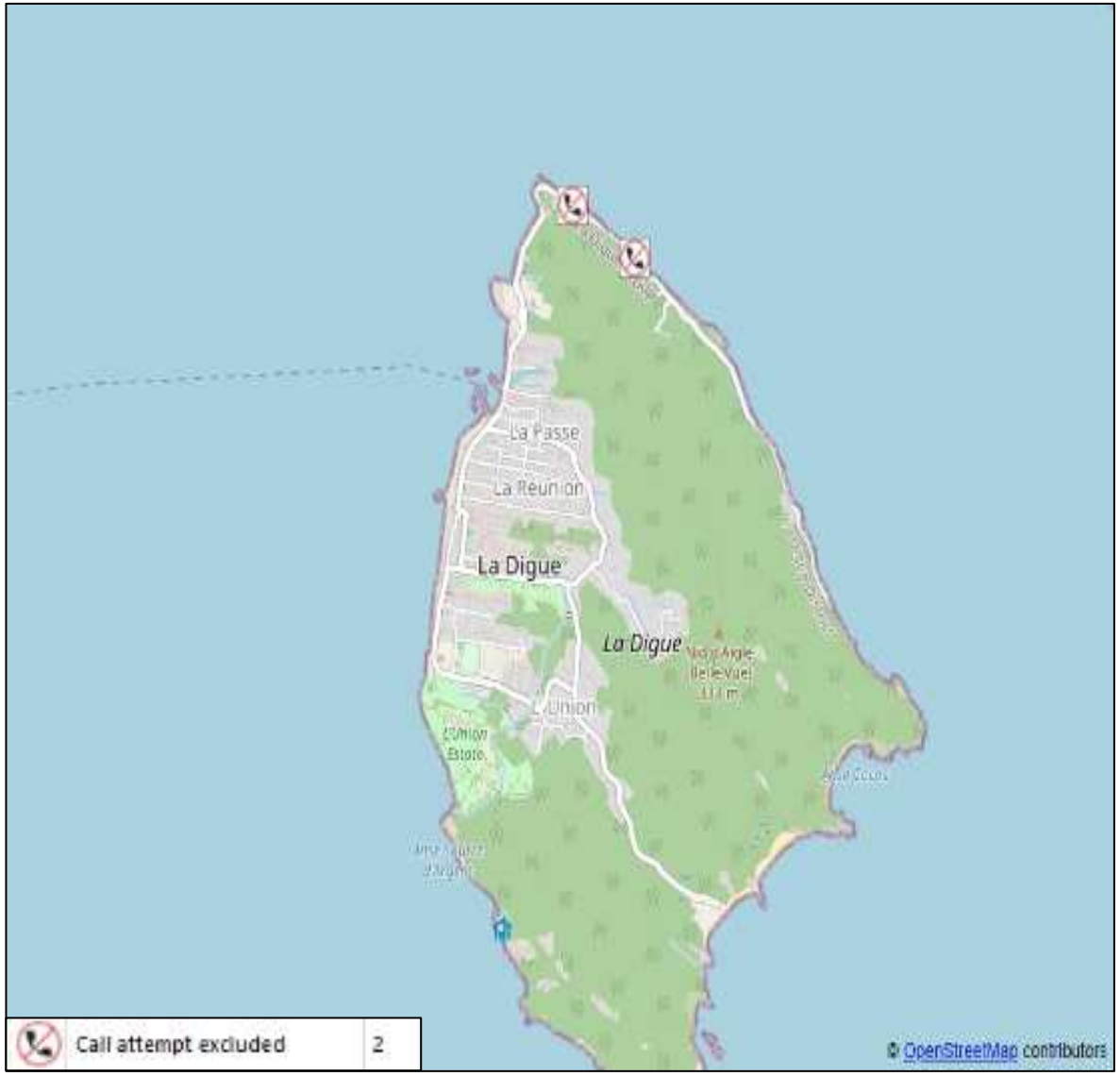


CWS SC MO

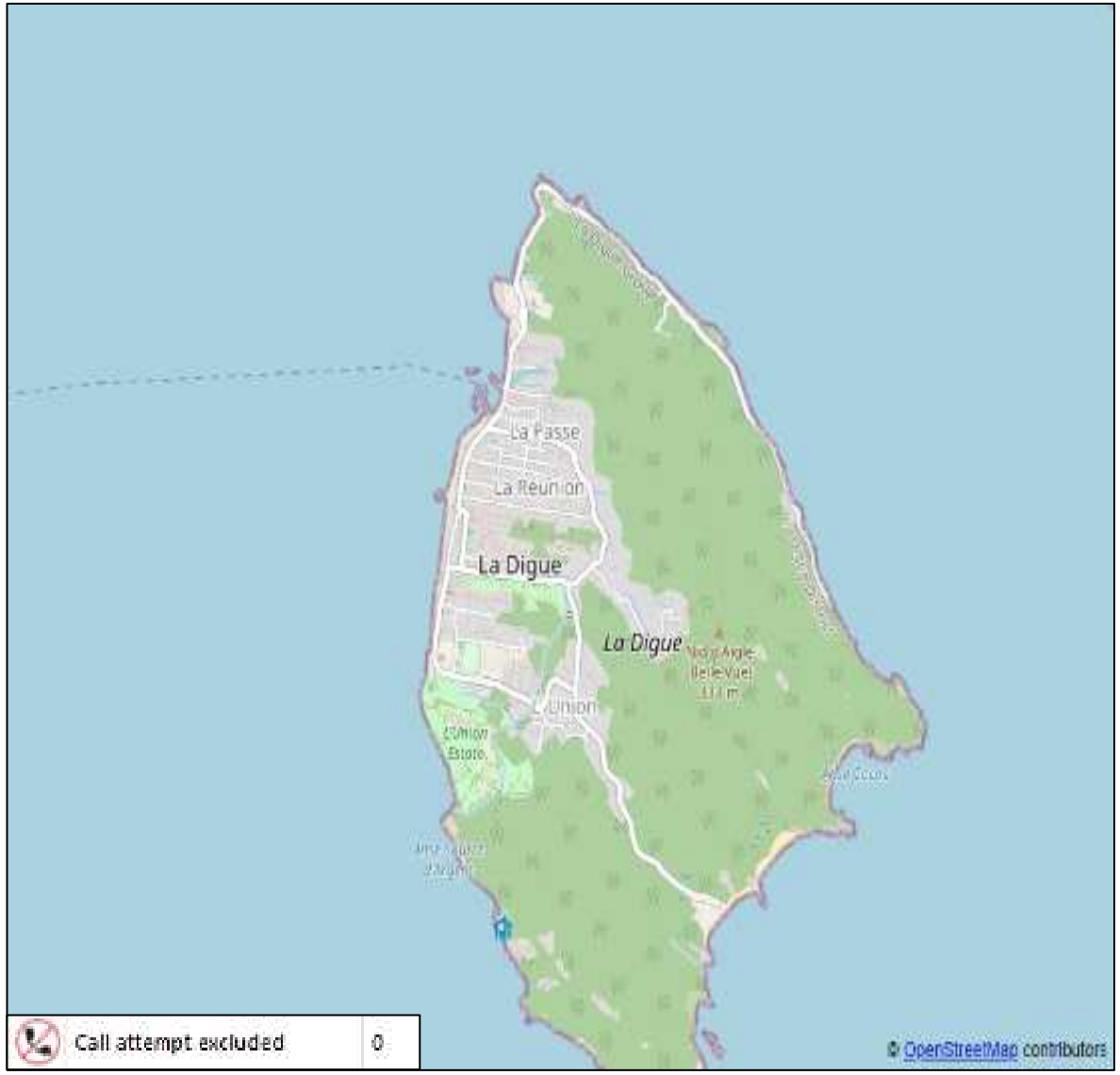


Phase-2 SHORT CALL EXCLUDED EVENTS

Airtel SC MO

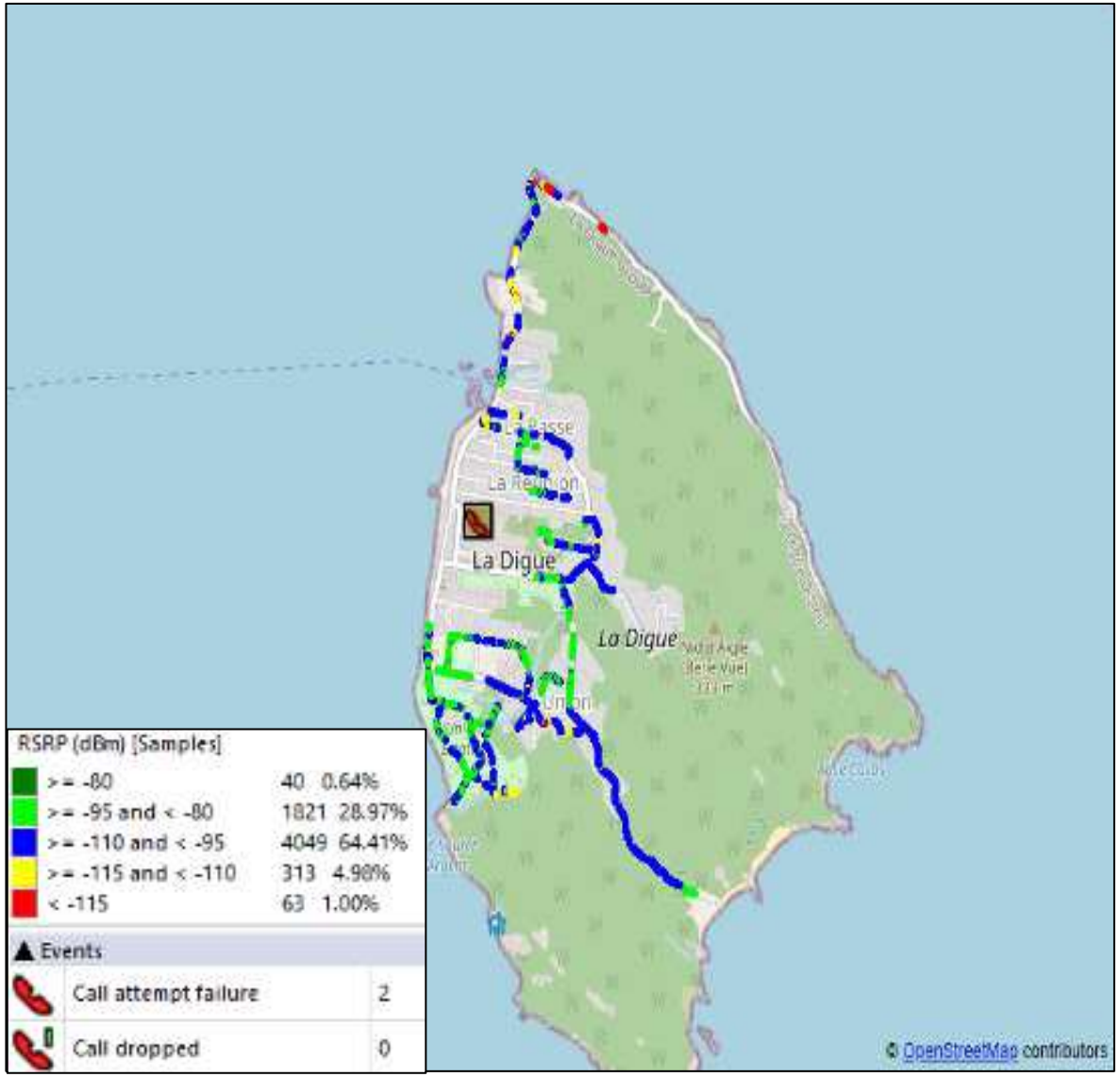


CWS SC MO

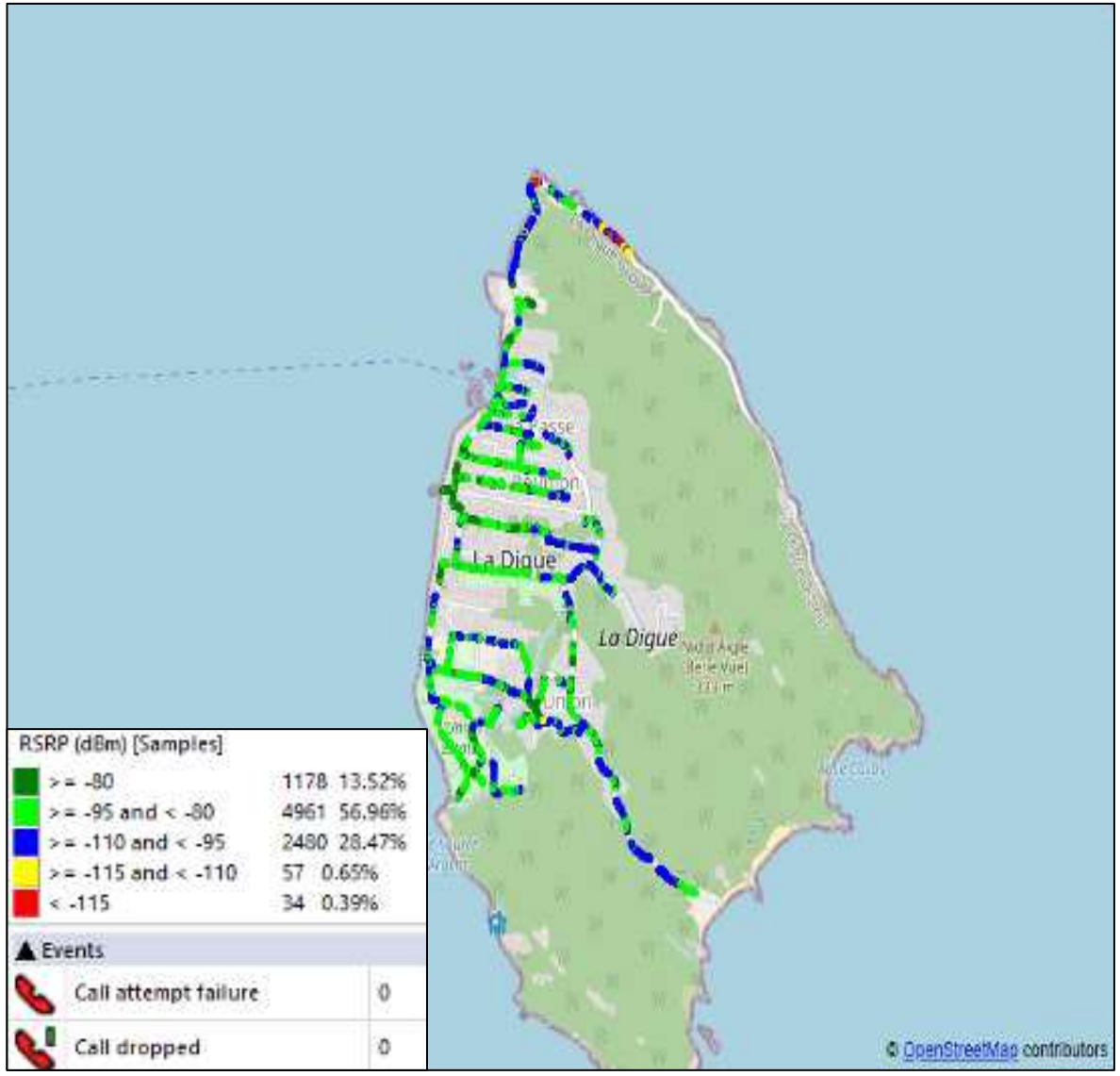


Phase-1 SHORT CALL FAILURE EVENTS LOCATION vs RSRP

Airtel SC MO

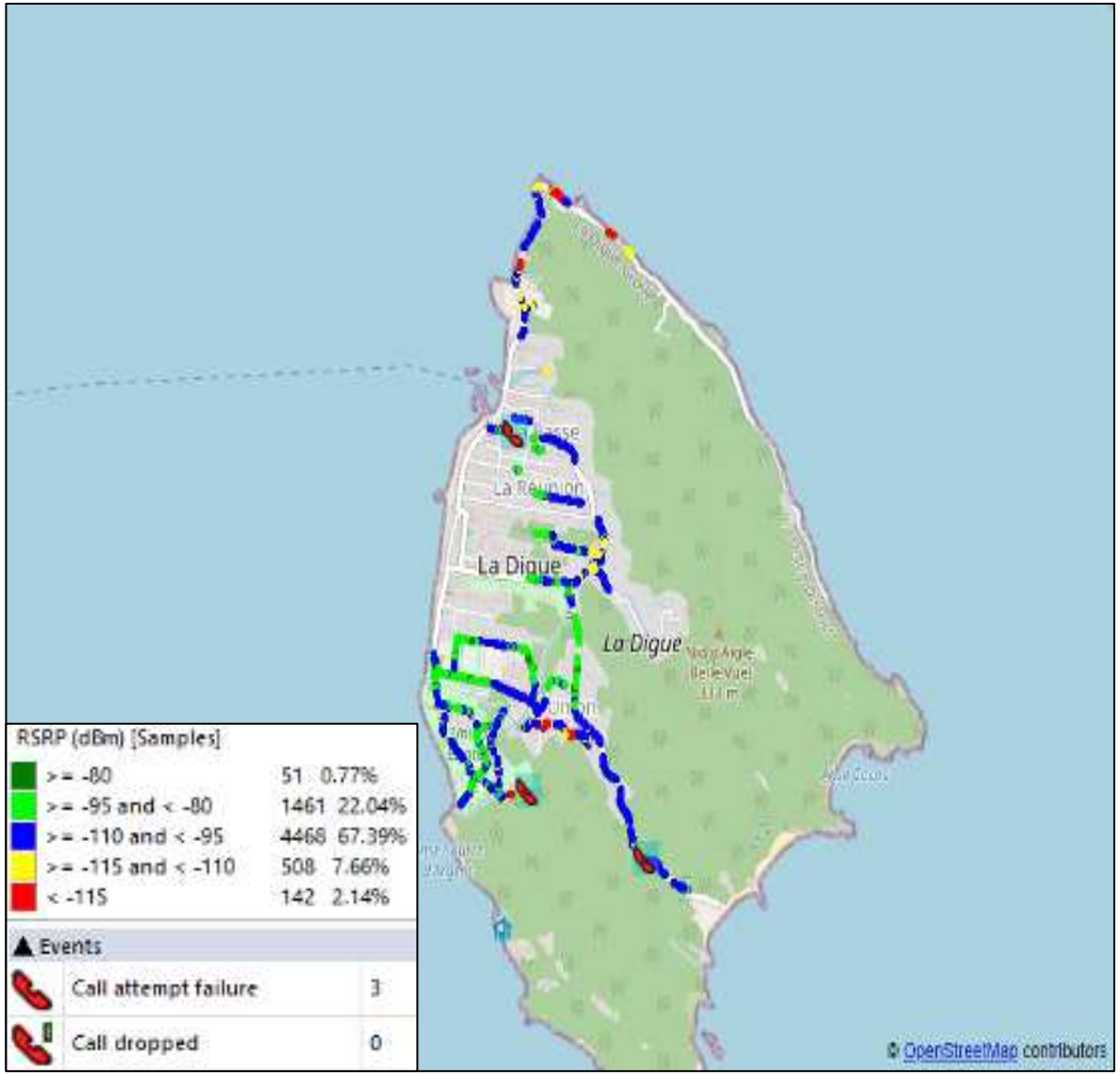


CWS SC MO

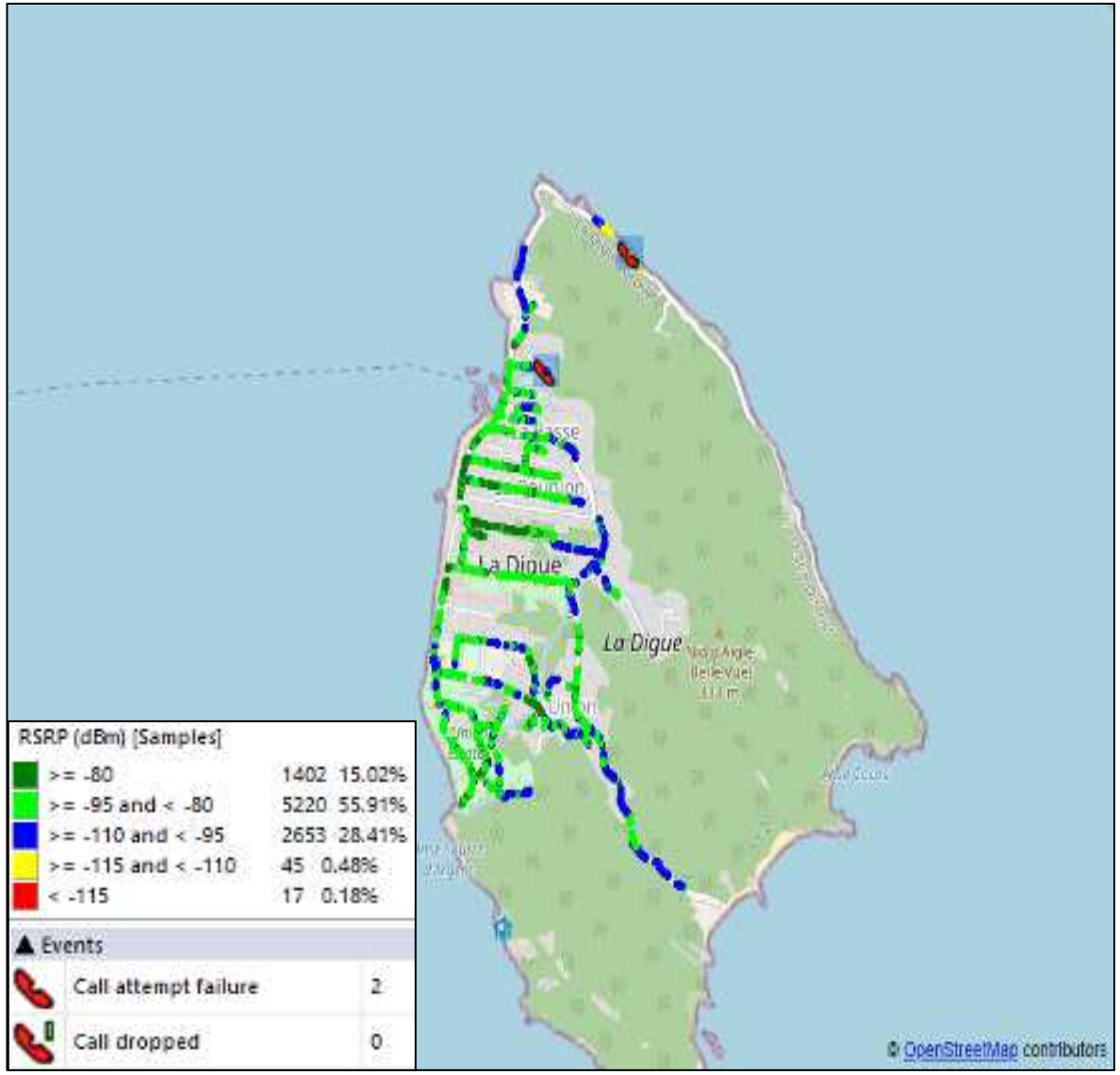


Phase-2 SHORT CALL FAILURE EVENTS LOCATION vs RSRP

Airtel SC MO

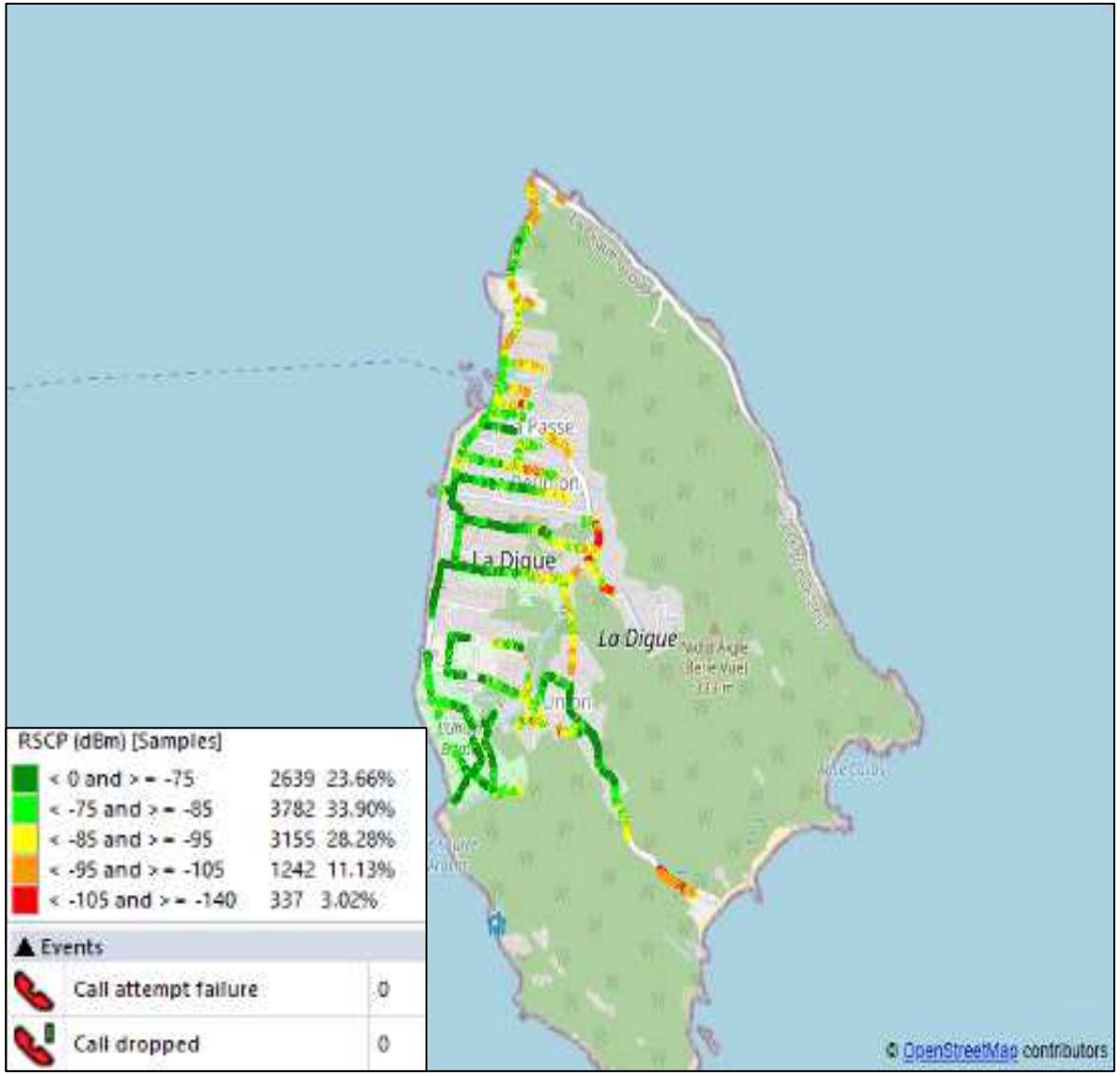


CWS SC MO

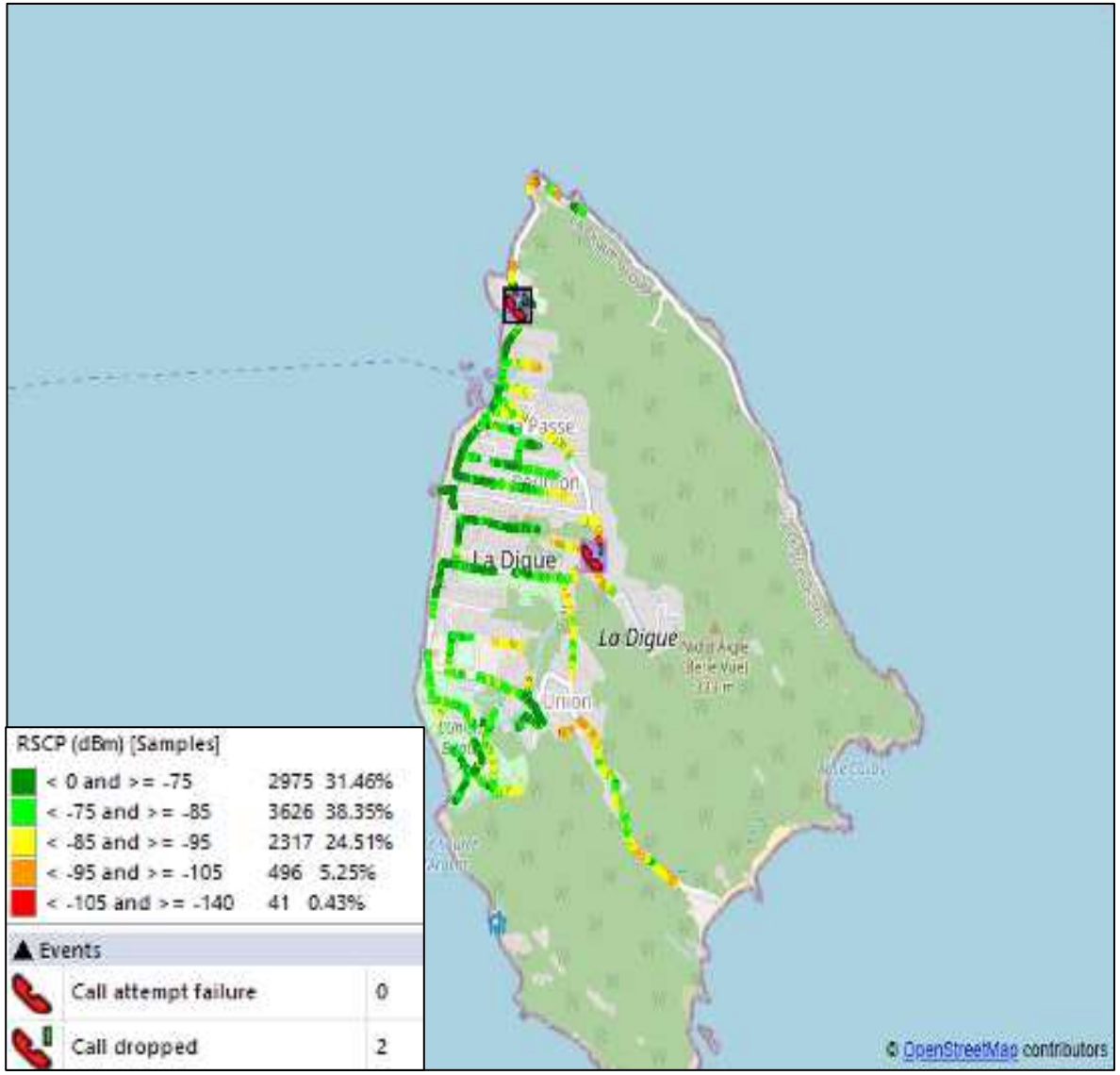


Phase-1 LONG CALL FAILURE EVENTS LOCATION vs RSCP

Airtel LC MO

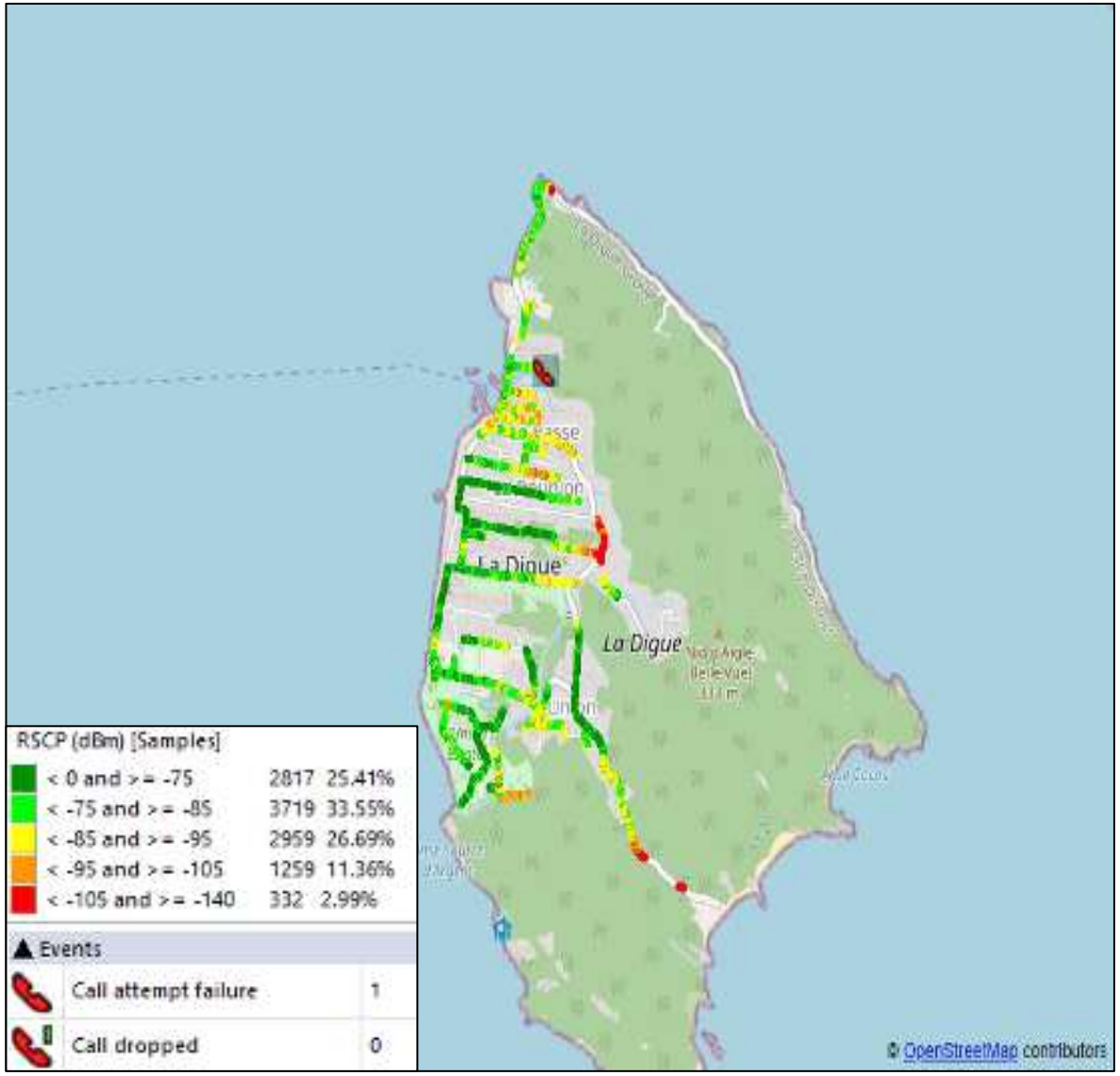


CWS LC MO

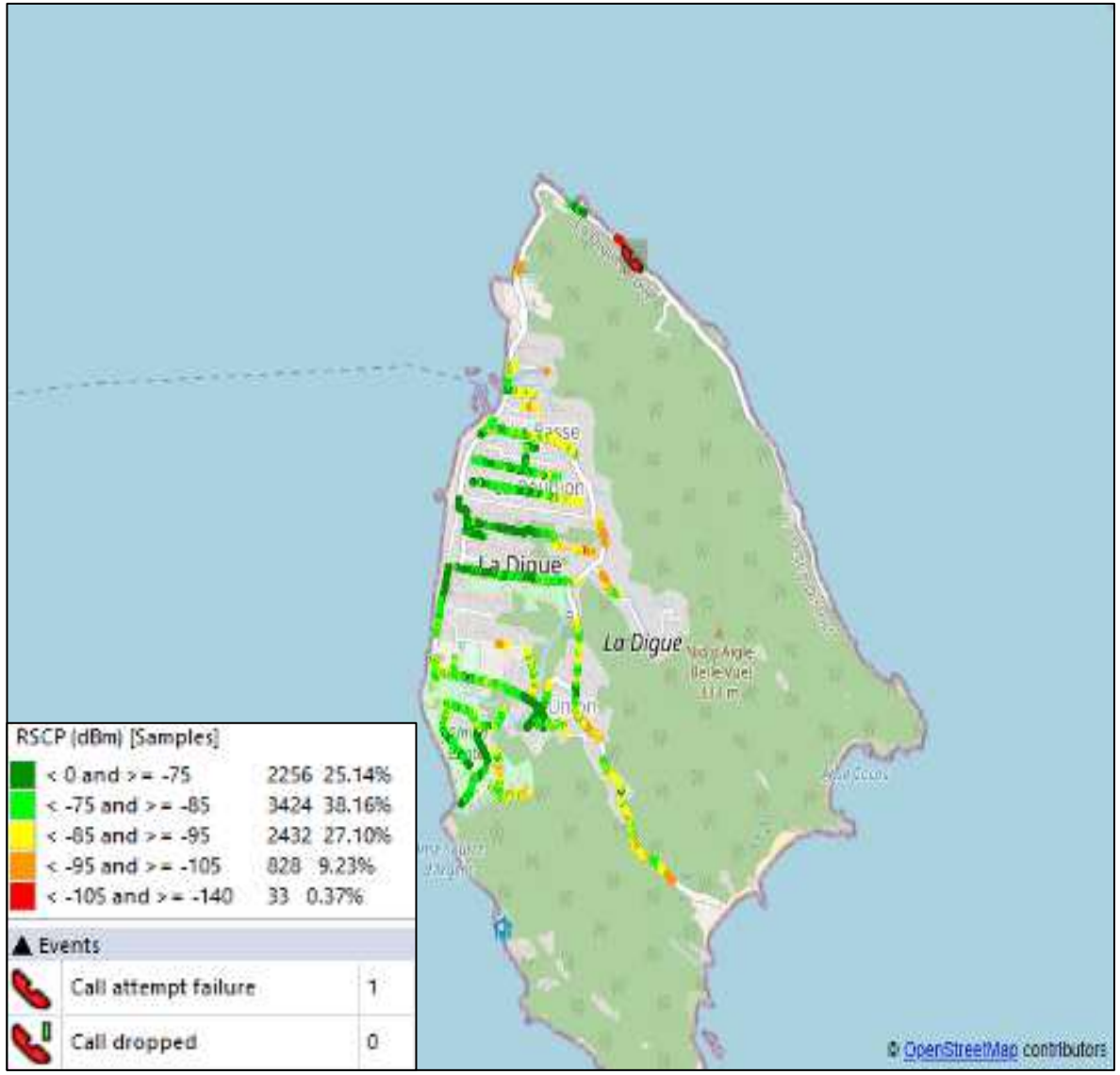


Phase-2 LONG CALL FAILURE EVENTS LOCATION vs RSCP

Airtel LC MO

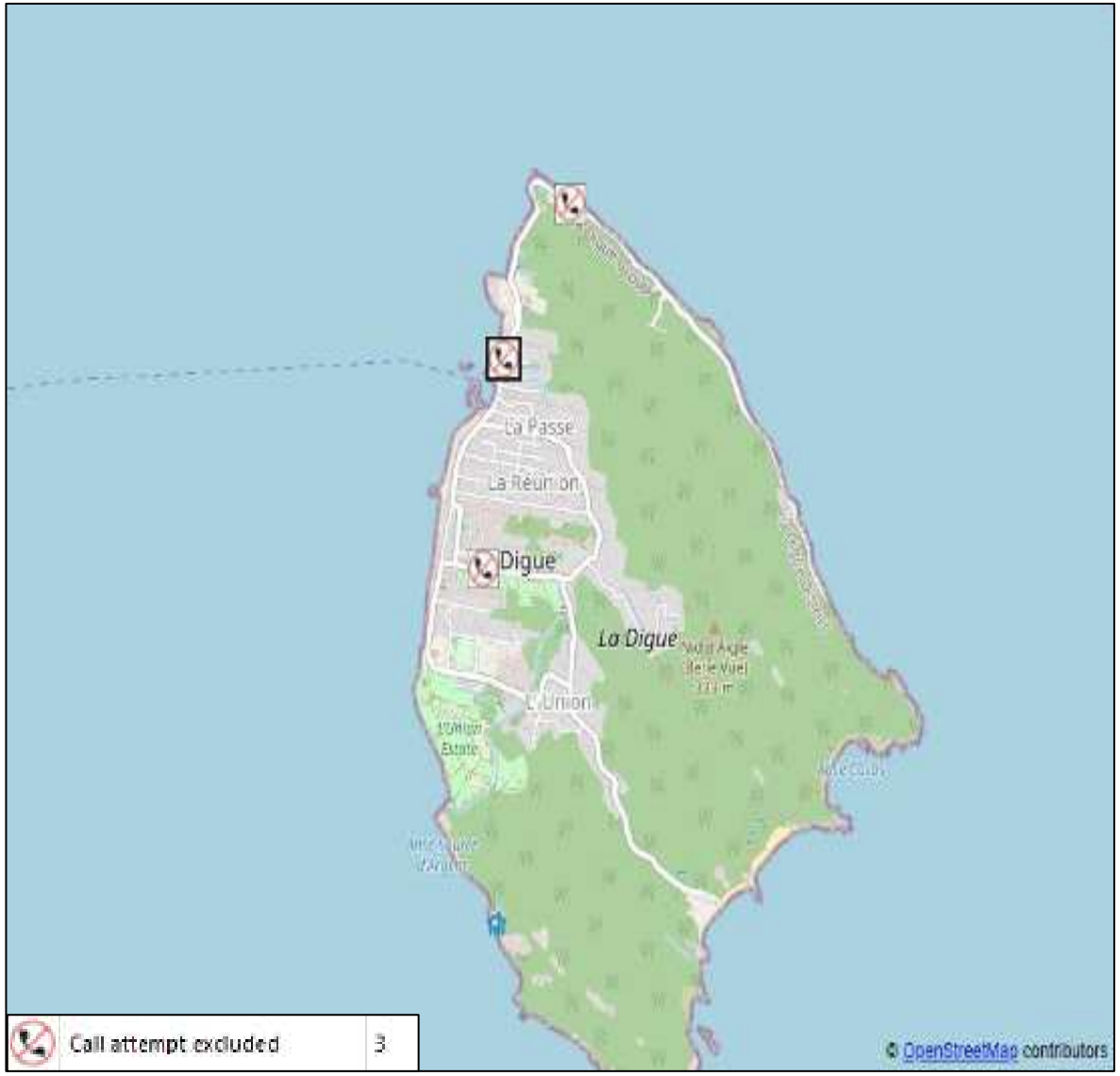


CWS LC MO

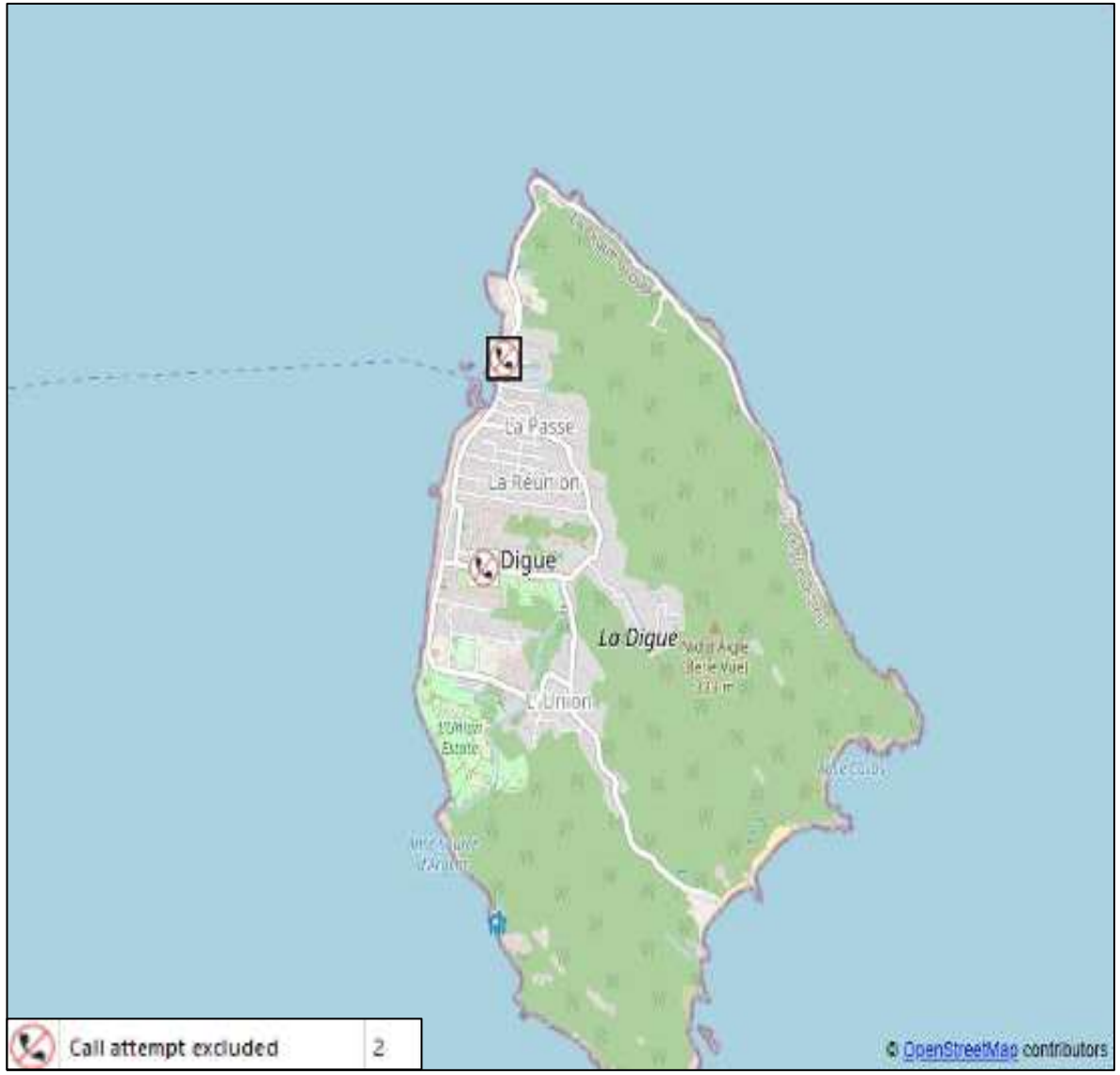


Phase-1 LONG CALL EXCLUDED EVENTS

Airtel LC MO

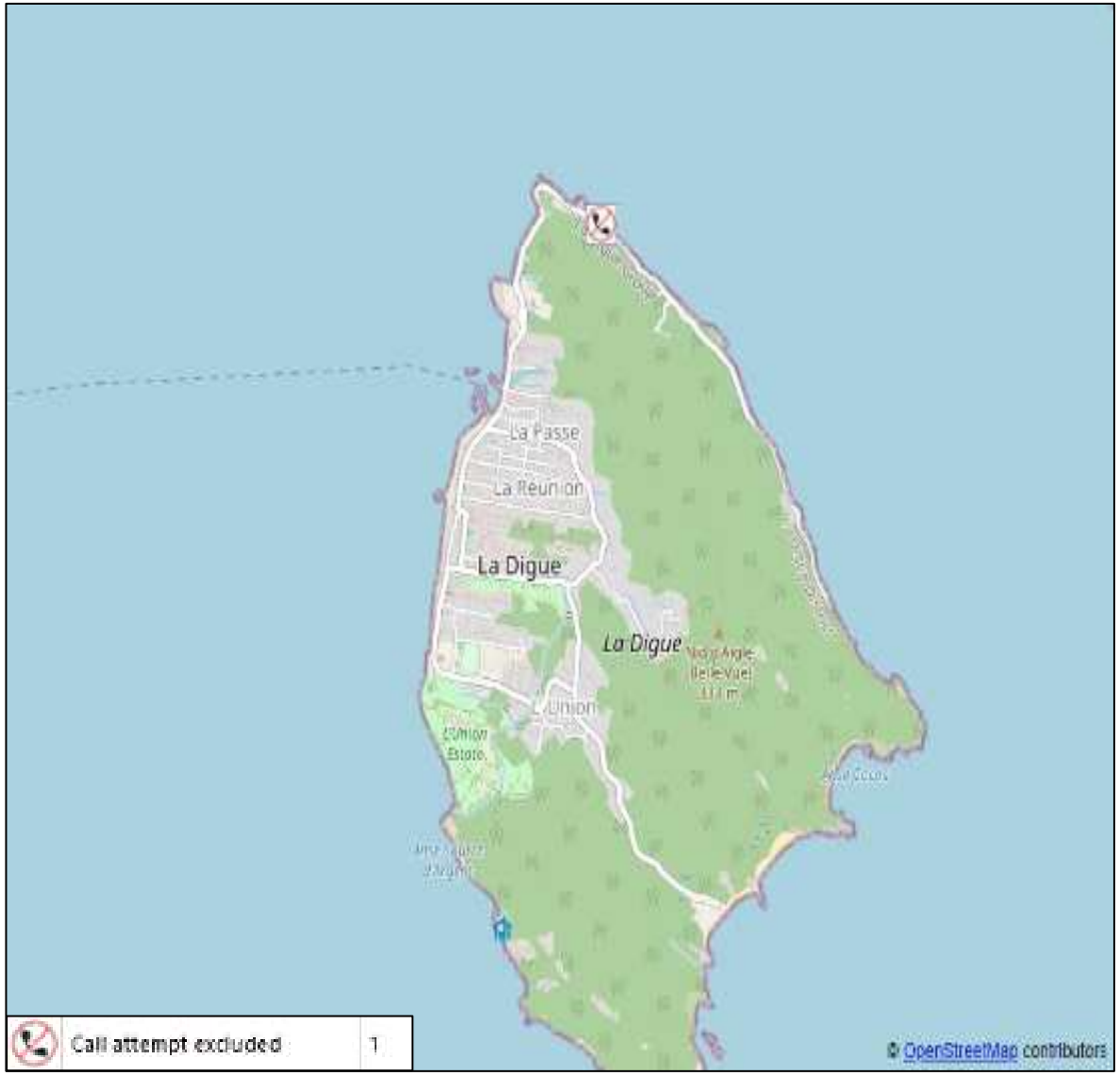


CWS LC MO

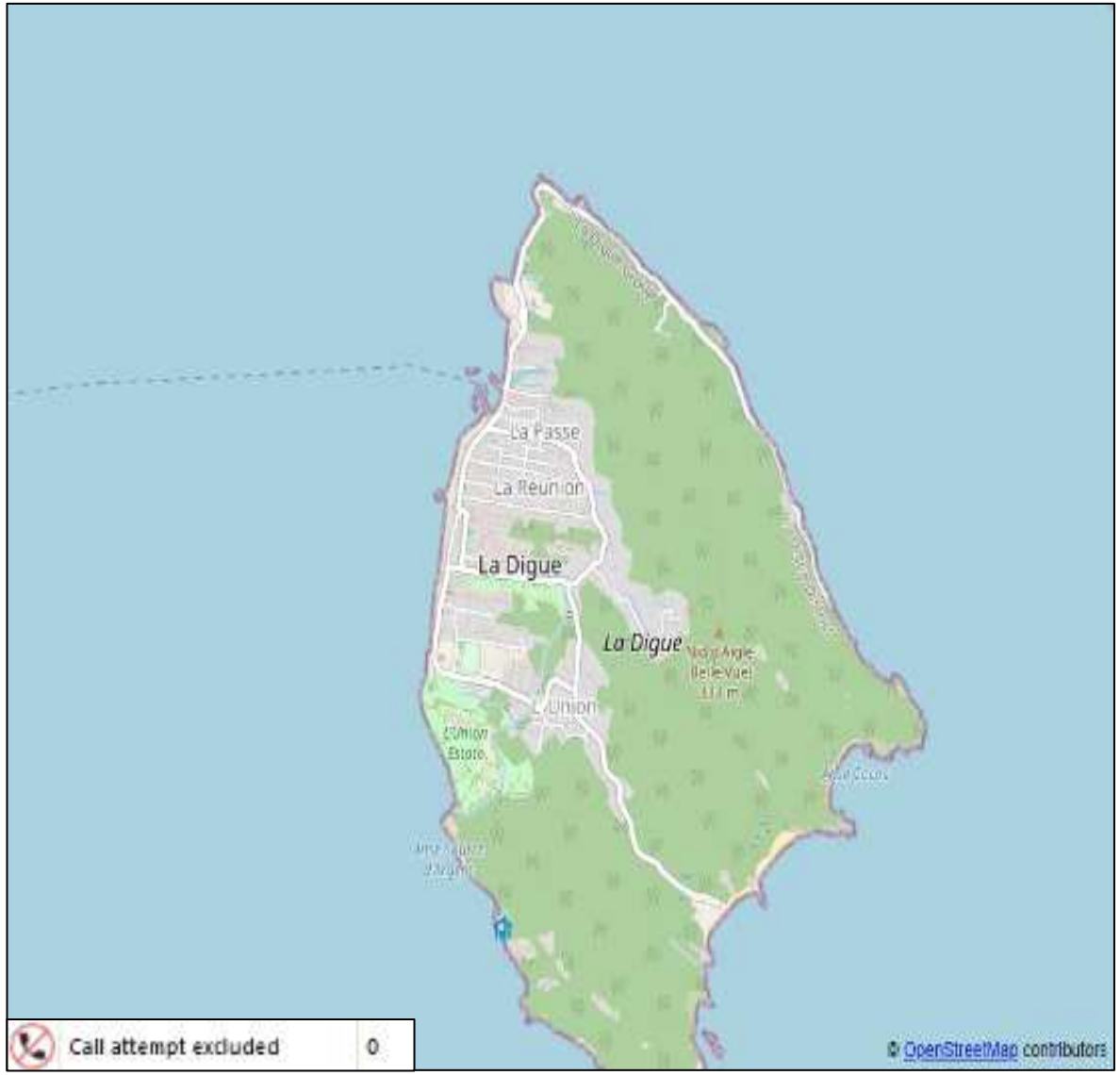


Phase-2 LONG CALL EXCLUDED EVENTS

Airtel LC MO

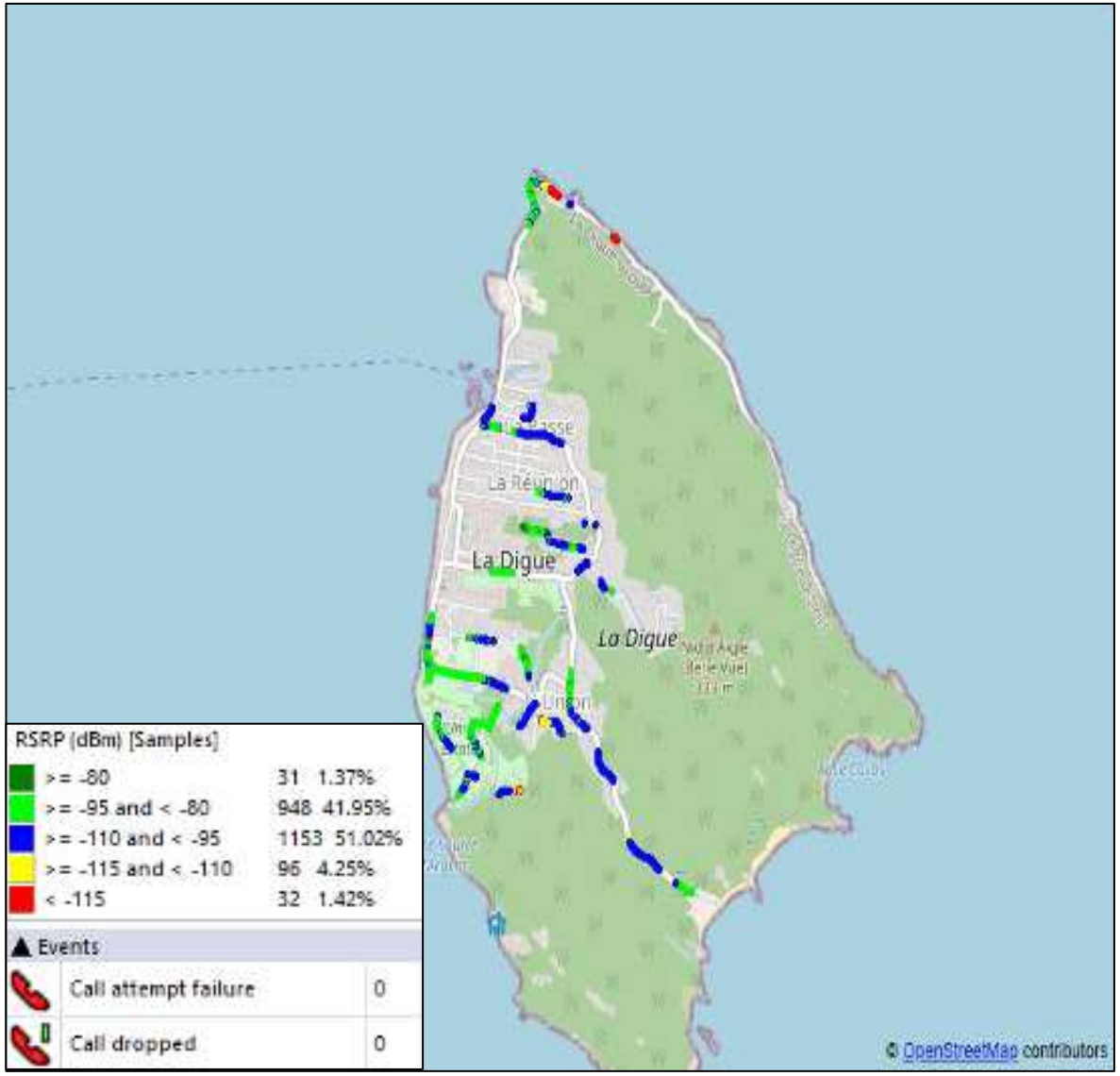


CWS LC MO

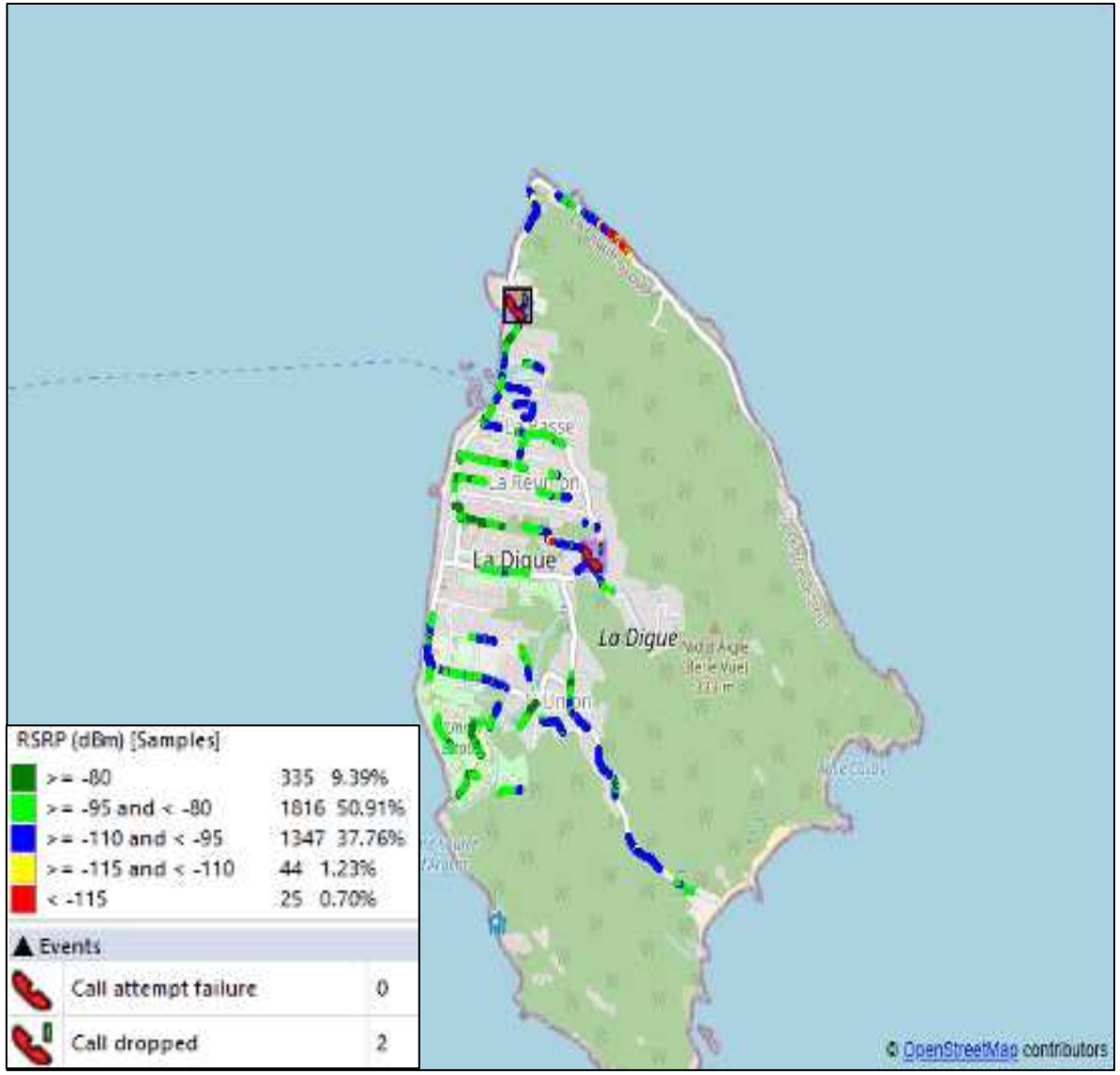


Phase-1 LONG CALL FAILURE EVENTS LOCATION vs RSRP

Airtel LC MO

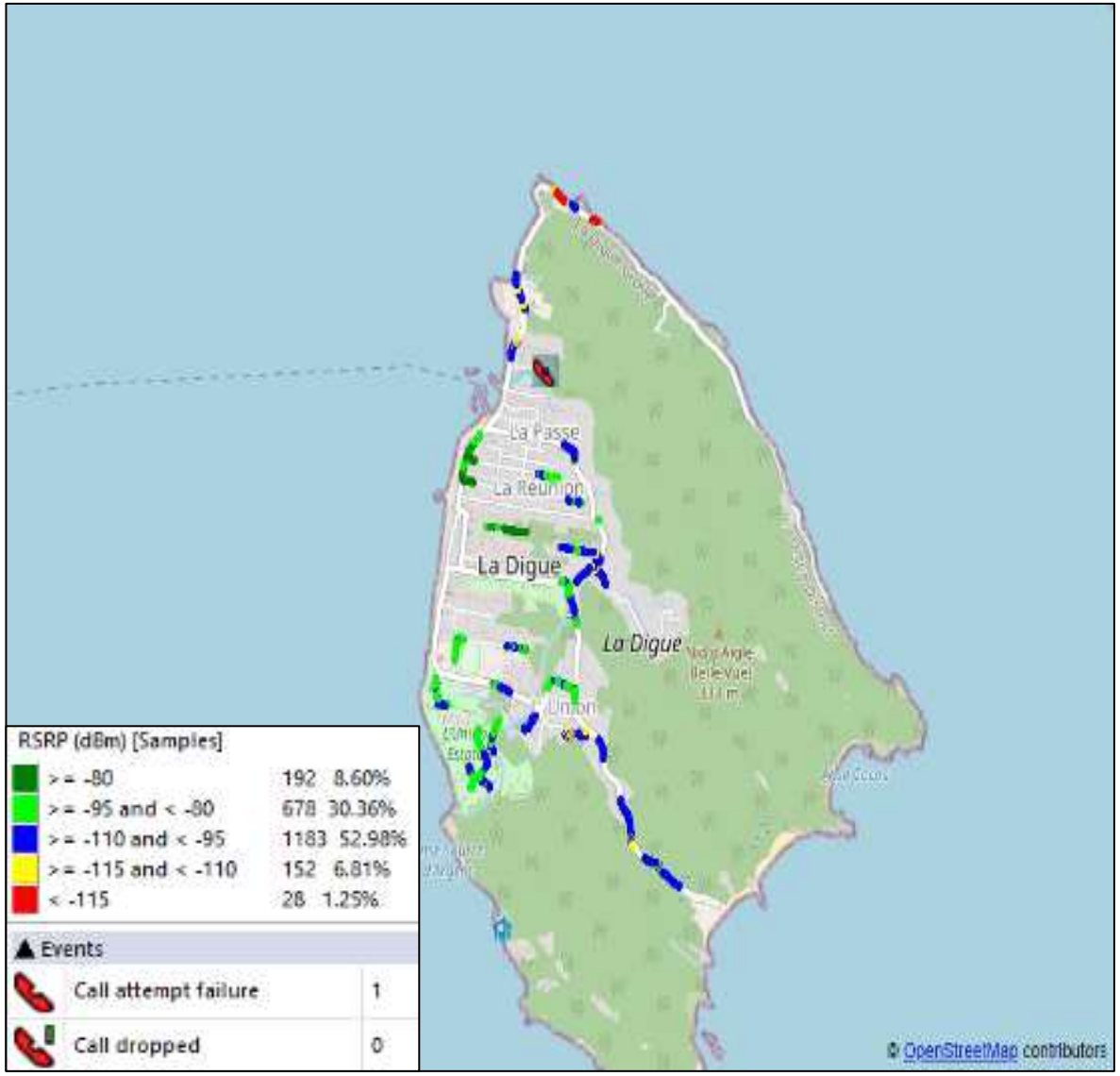


CWS LC MO

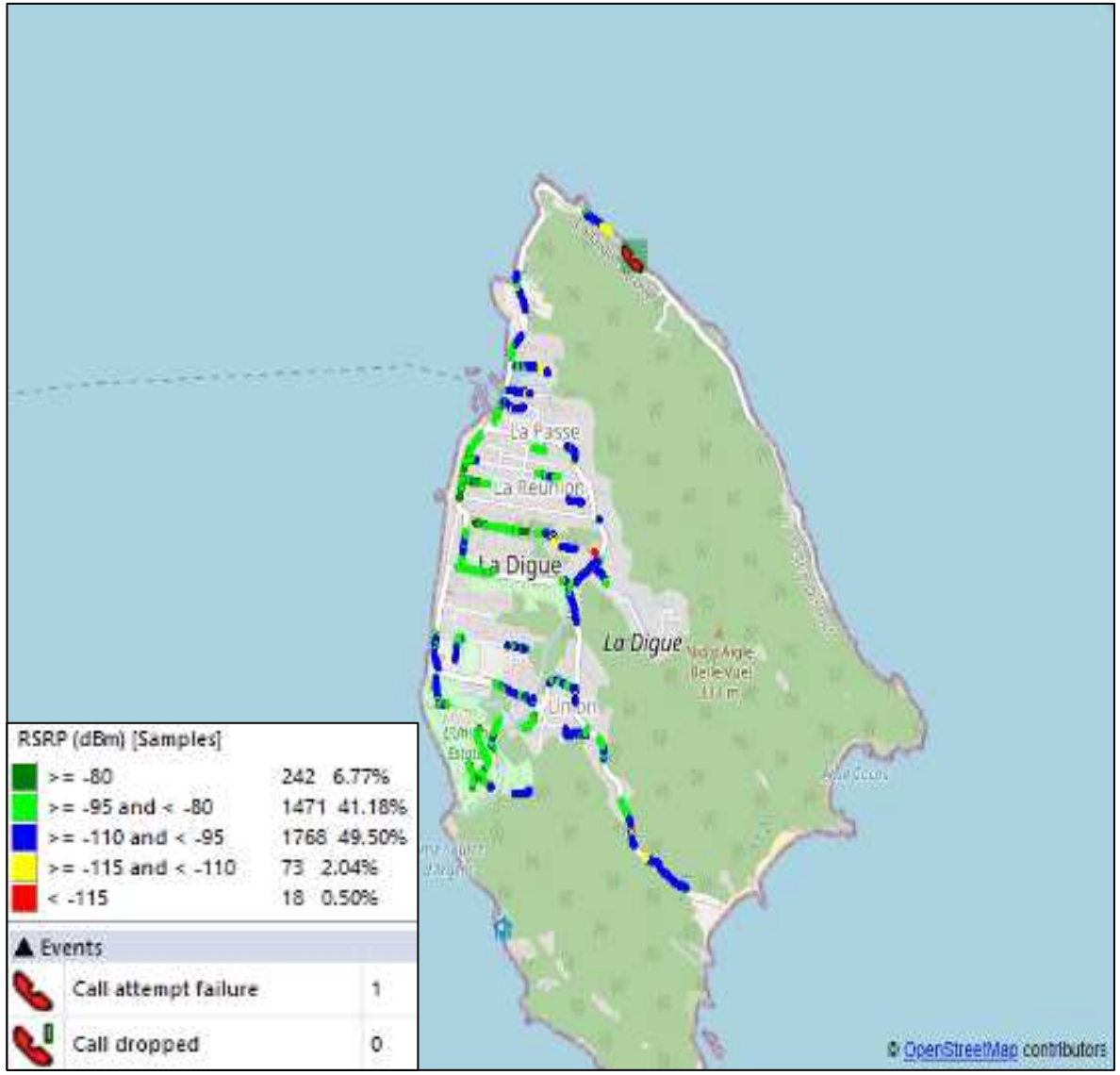


Phase-2 LONG CALL FAILURE EVENTS LOCATION vs RSRP

Airtel LC MO



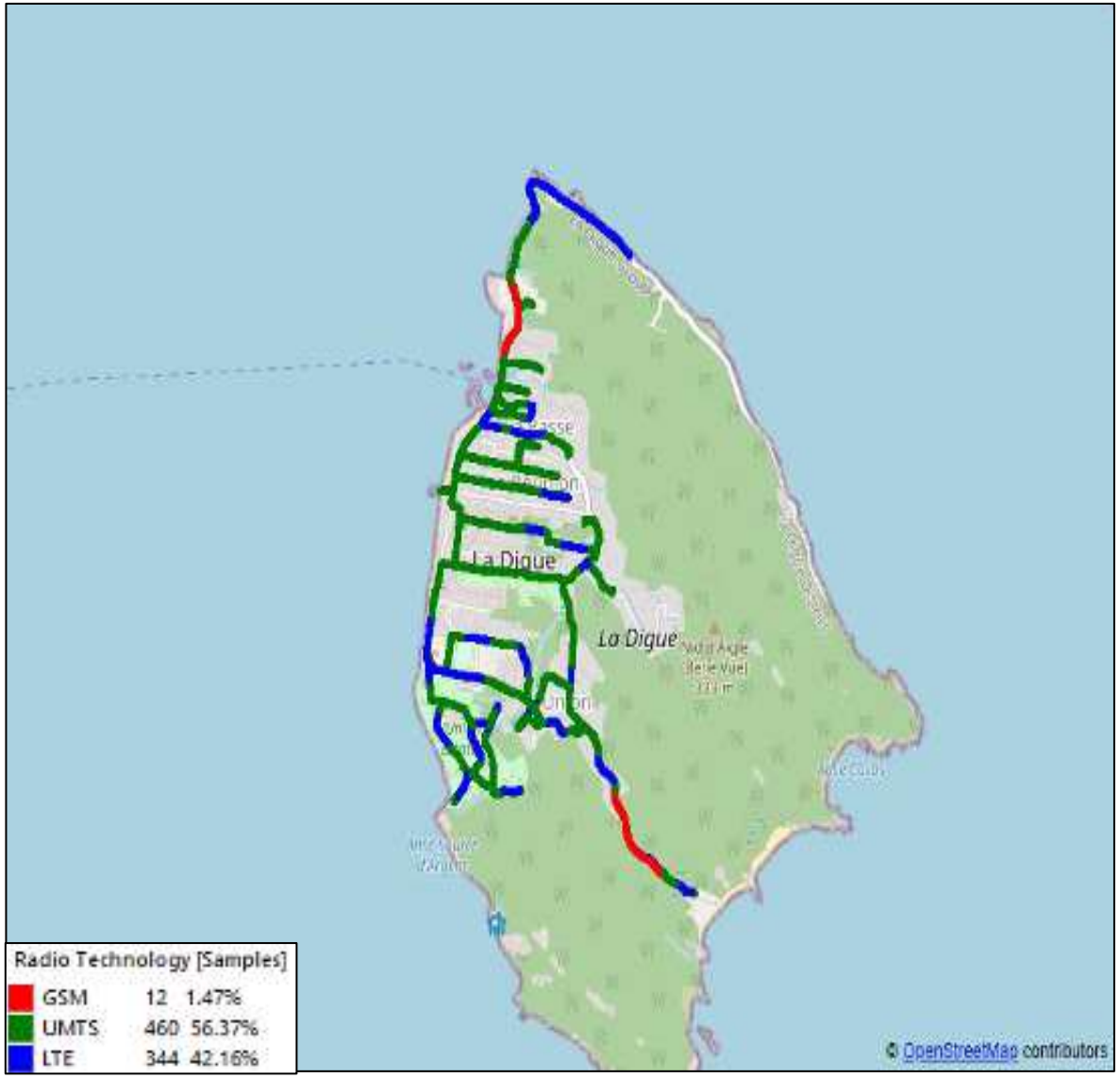
CWS LC MO



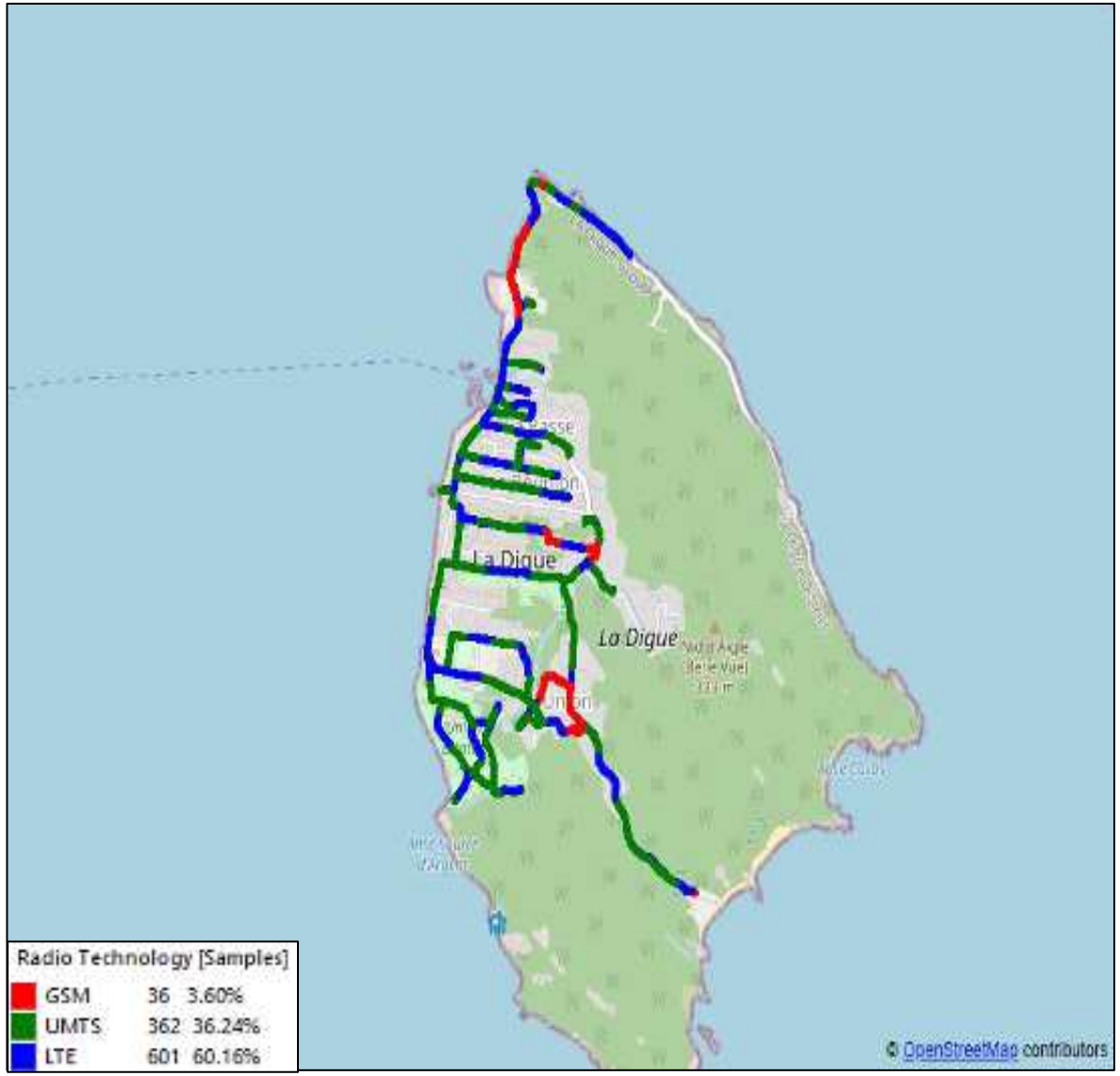
LONG CALL DRIVE PLOTS

Phase-1 Long Call RADIO TECHNOLOGY PLOT

Airtel LC MO

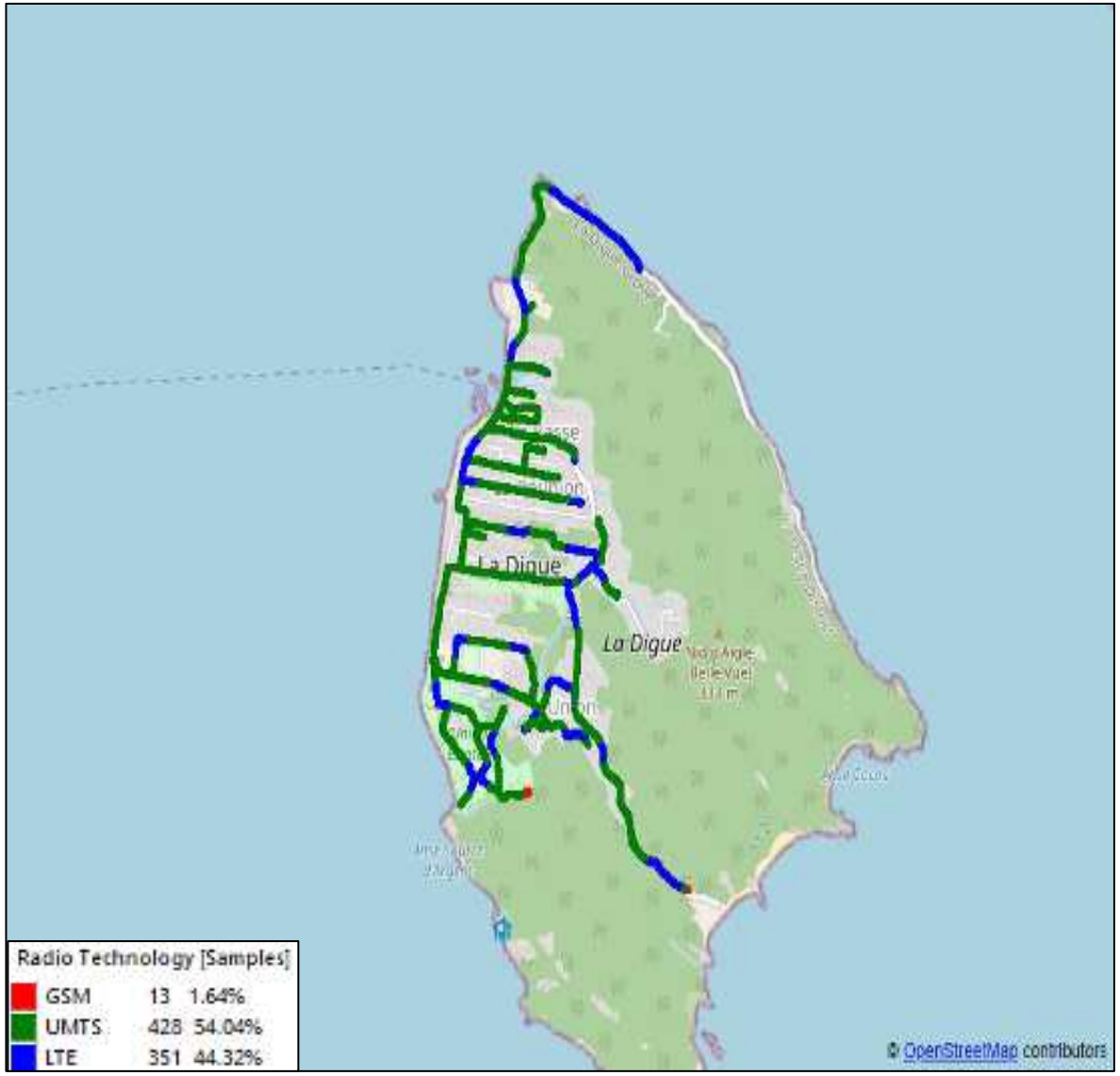


CWS LC MO

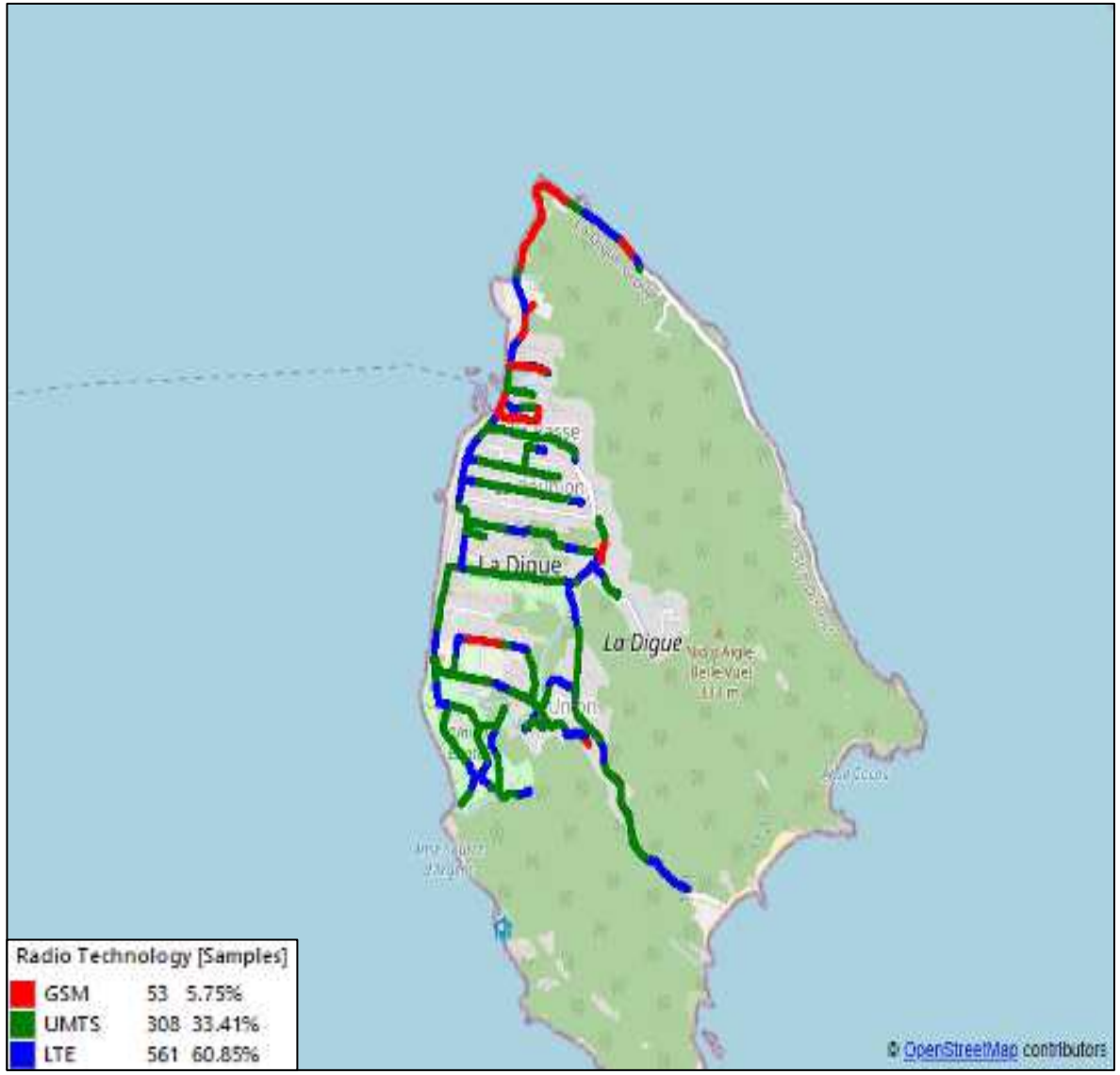


Phase-2 Long Call RADIO TECHNOLOGY PLOT

Airtel LC MO

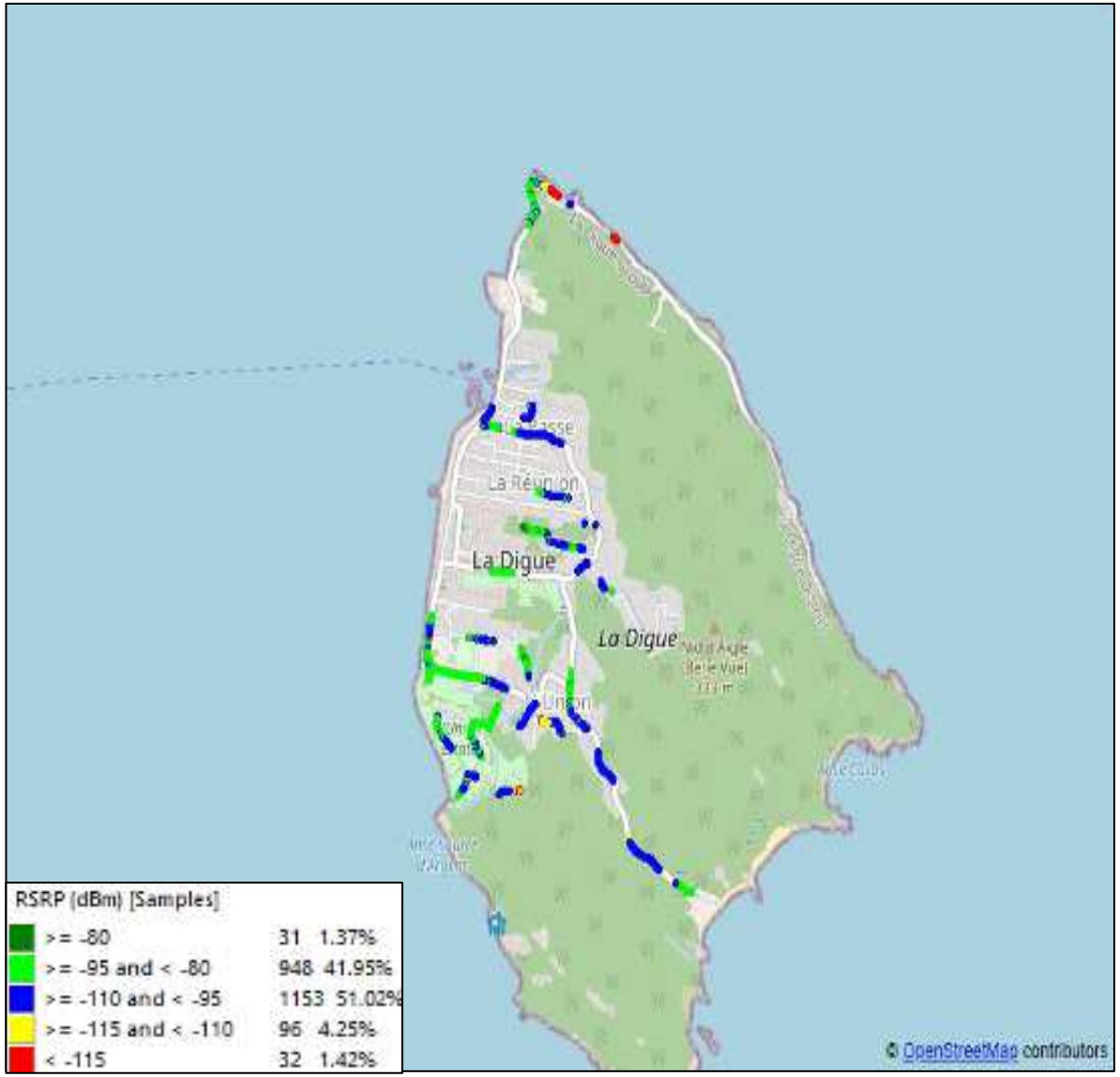


CWS LC MO

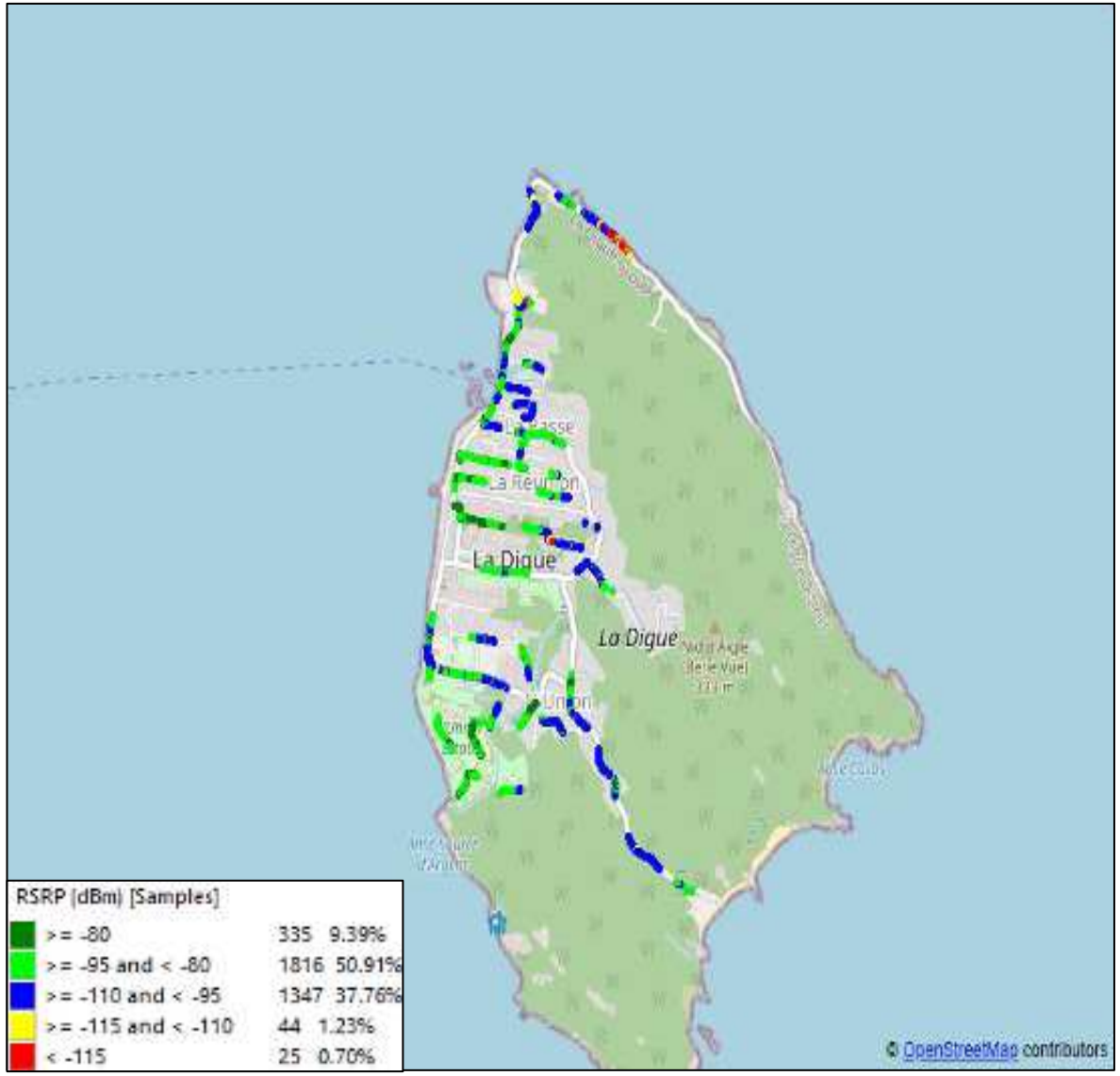


Phase-1 Long Call RSRP PLOT

Airtel LC MO

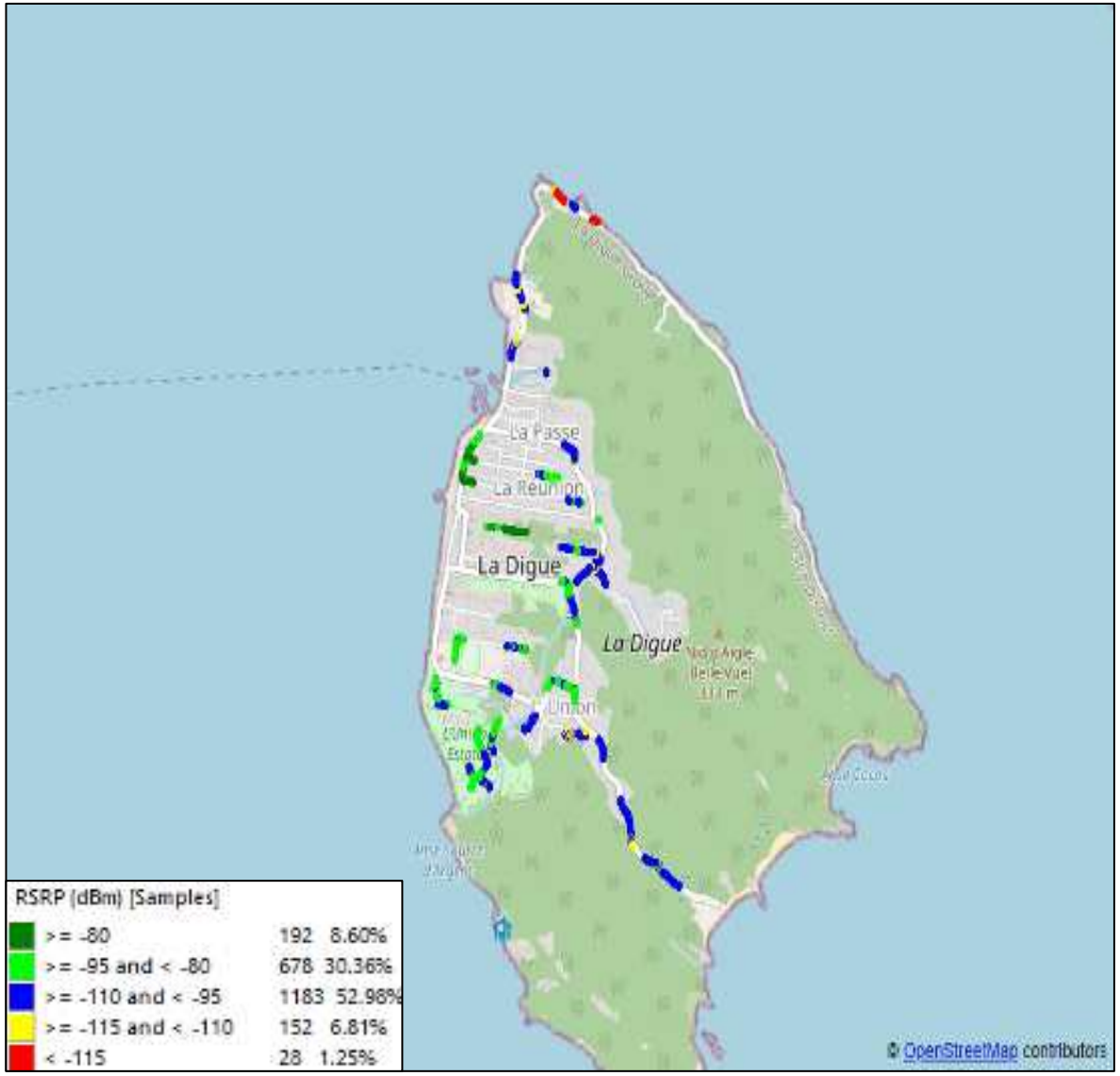


CWS LC MO

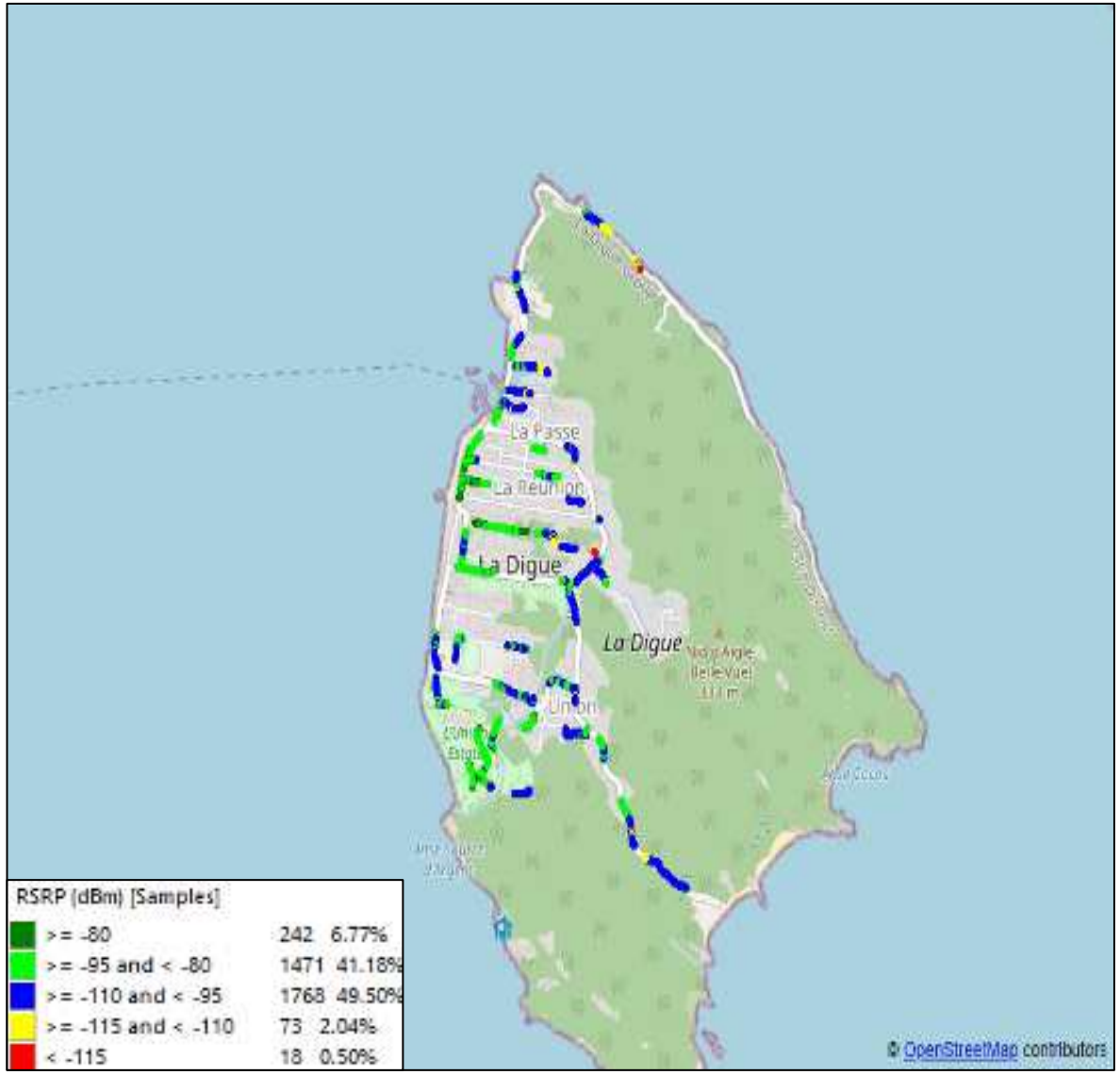


Phase-2 Long Call RSRP PLOT

Airtel LC MO

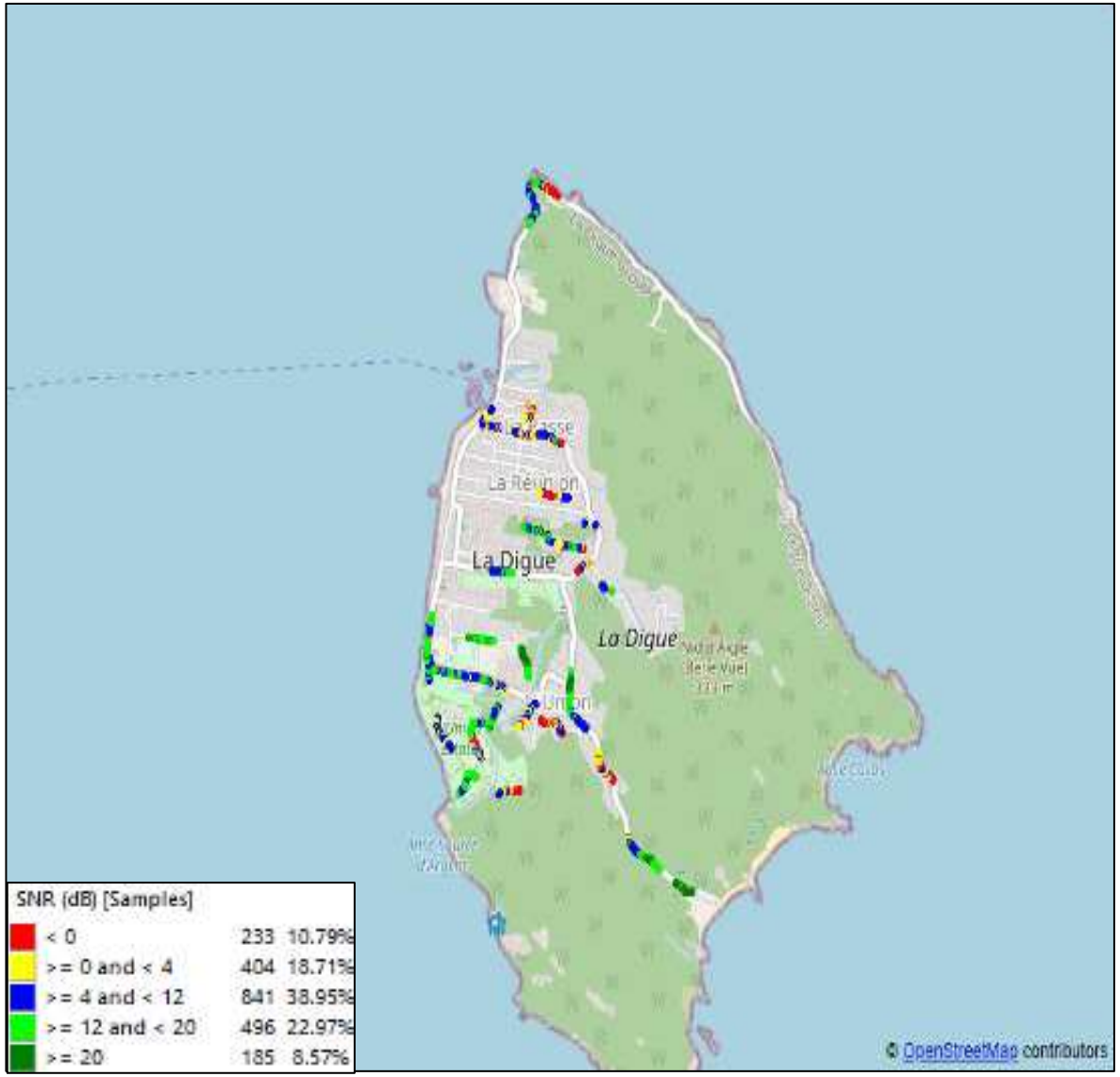


CWS LC MO

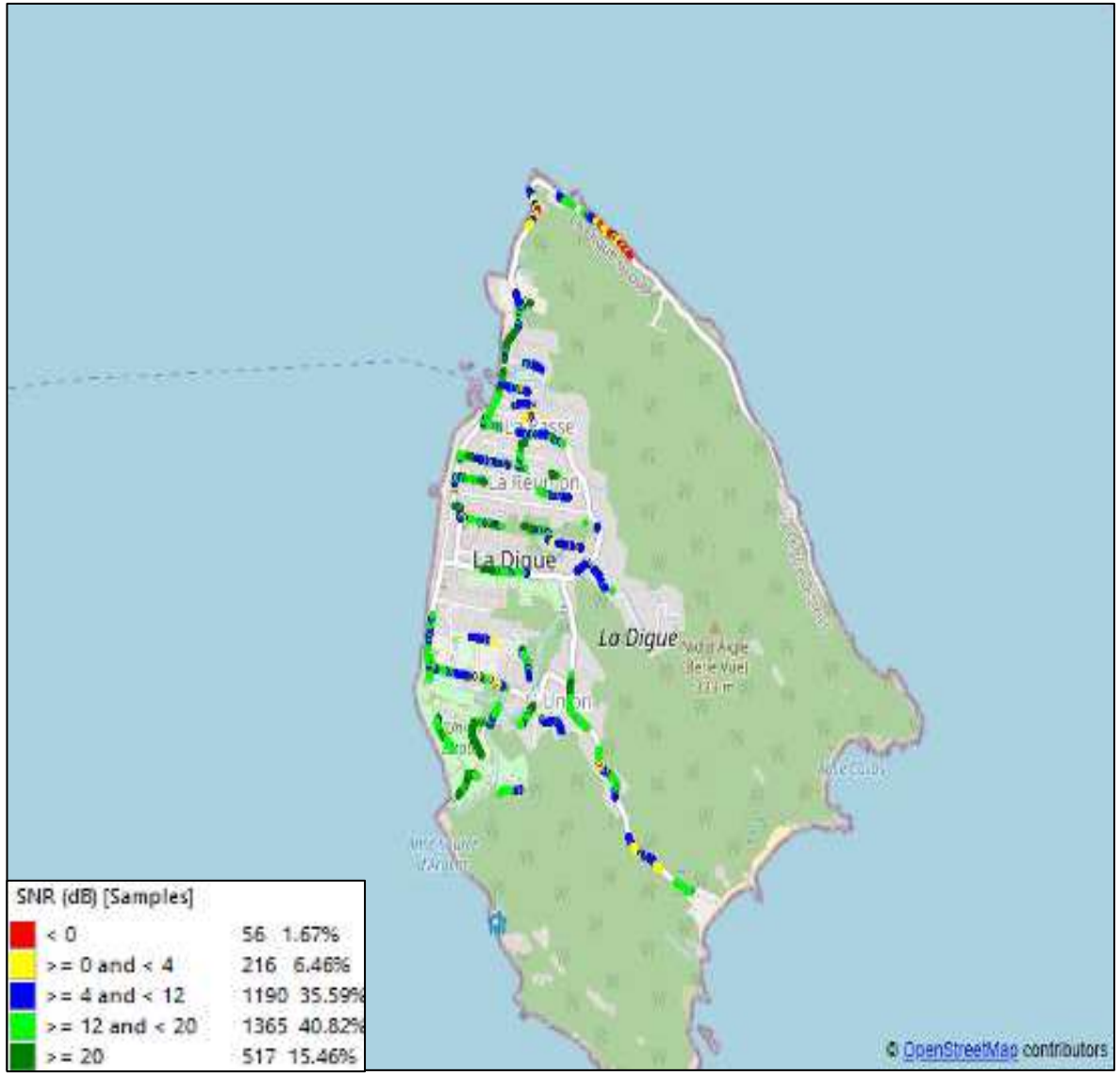


Phase-1 Long Call SINR PLOT

Airtel LC MO

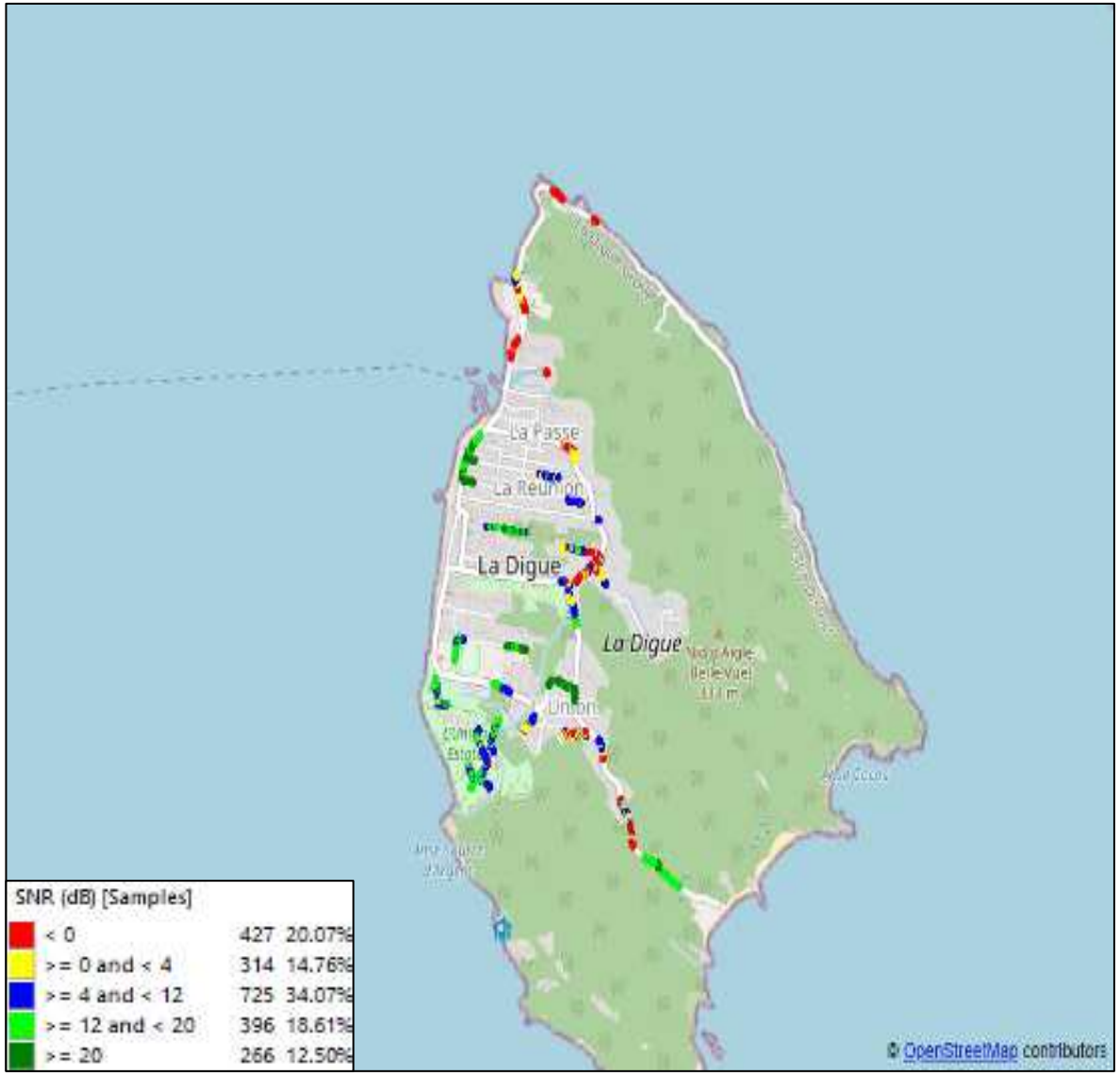


CWS LC MO

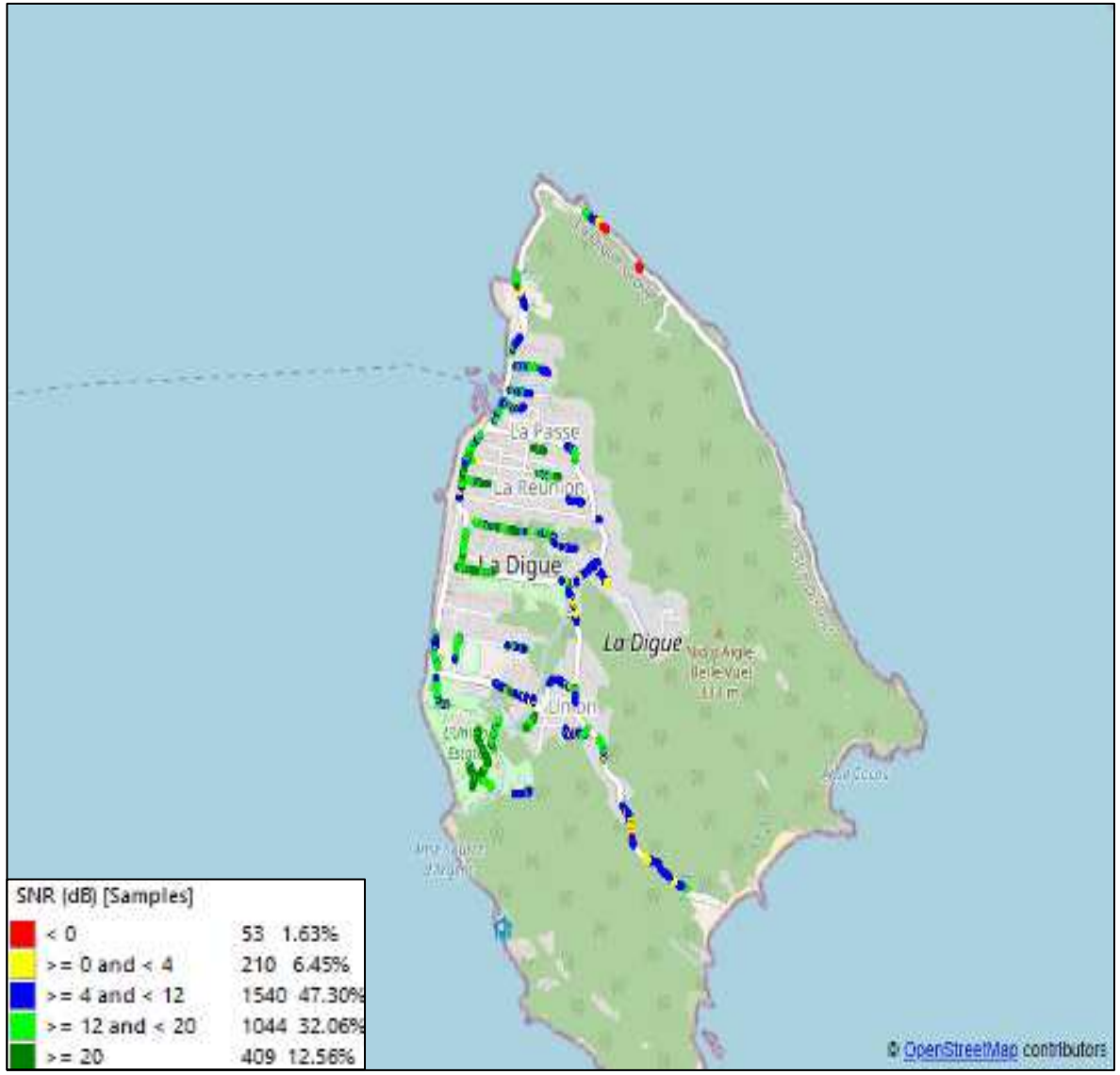


Phase-2 Long Call SINR PLOT

Airtel LC MO

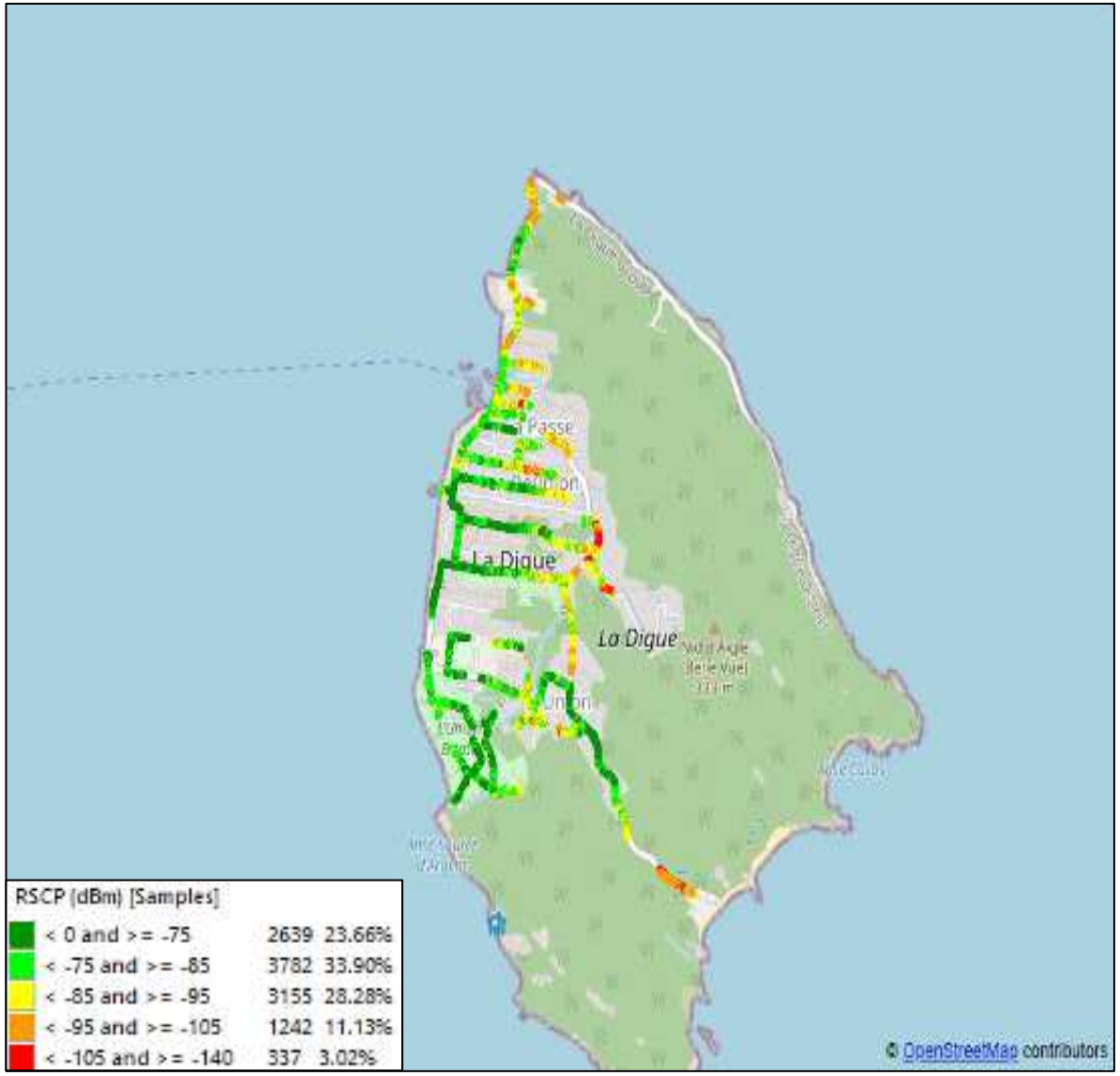


CWS LC MO

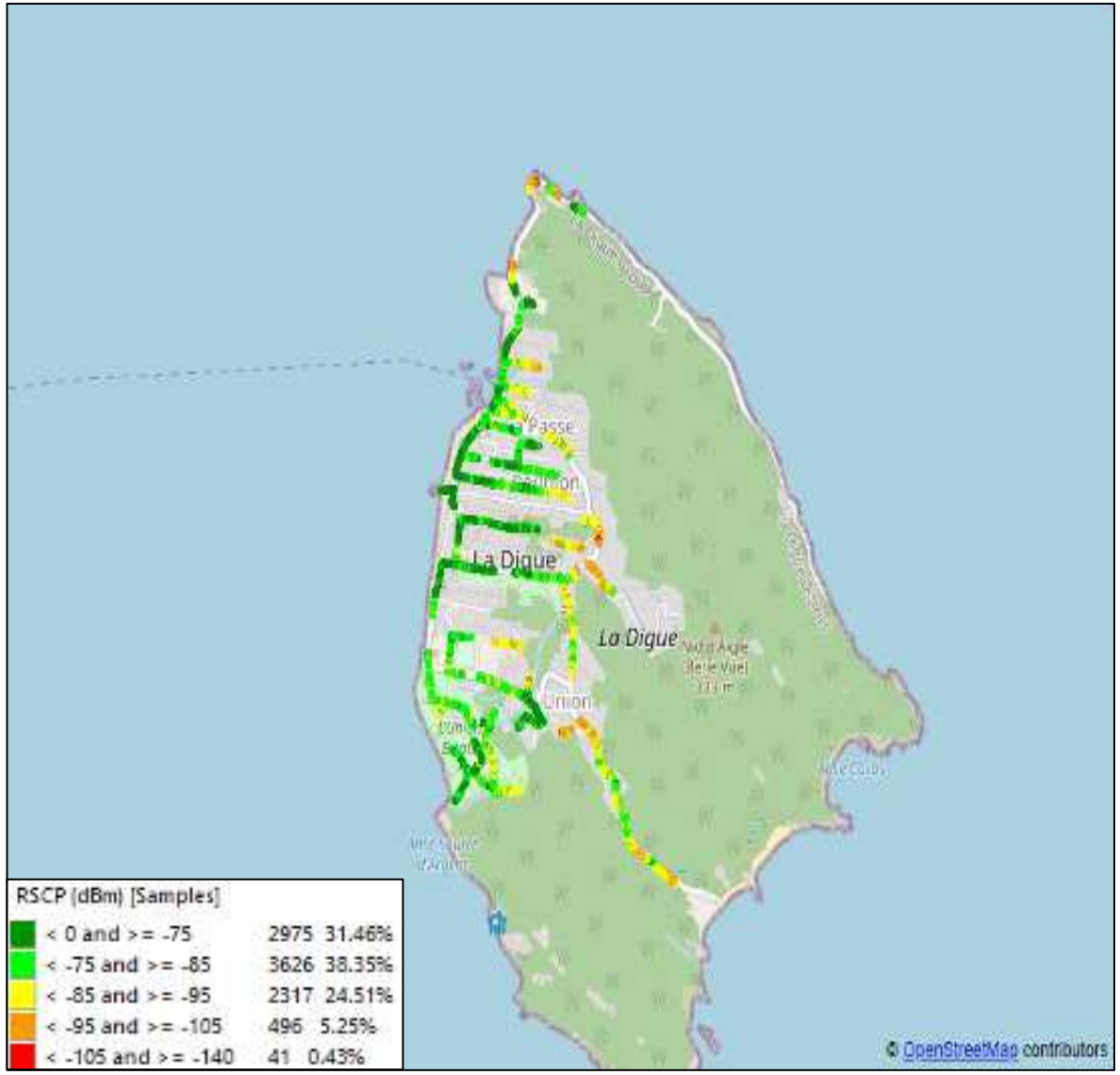


Phase-1 Long Call RSCP PLOT

Airtel LC MO

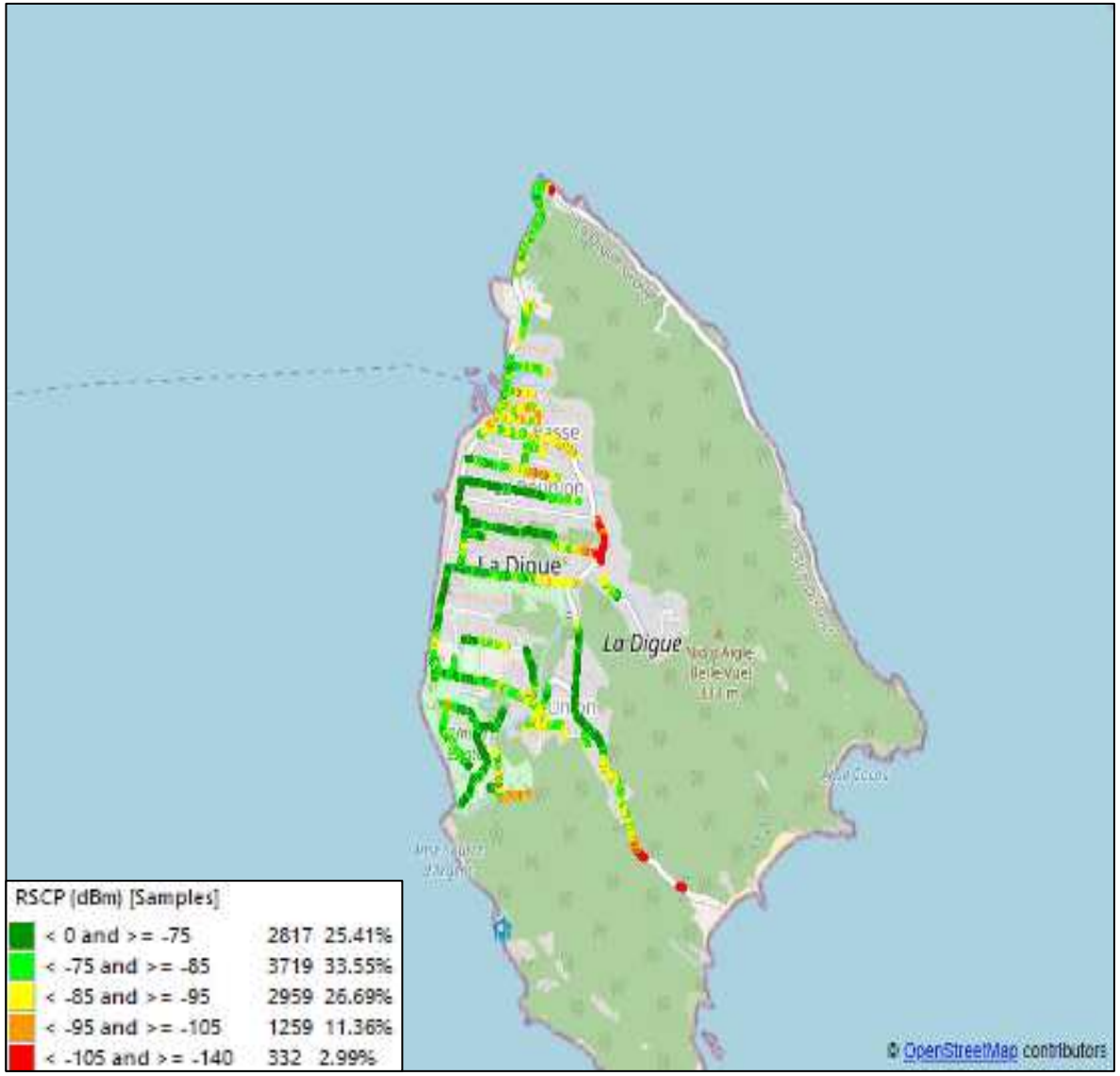


CWS LC MO

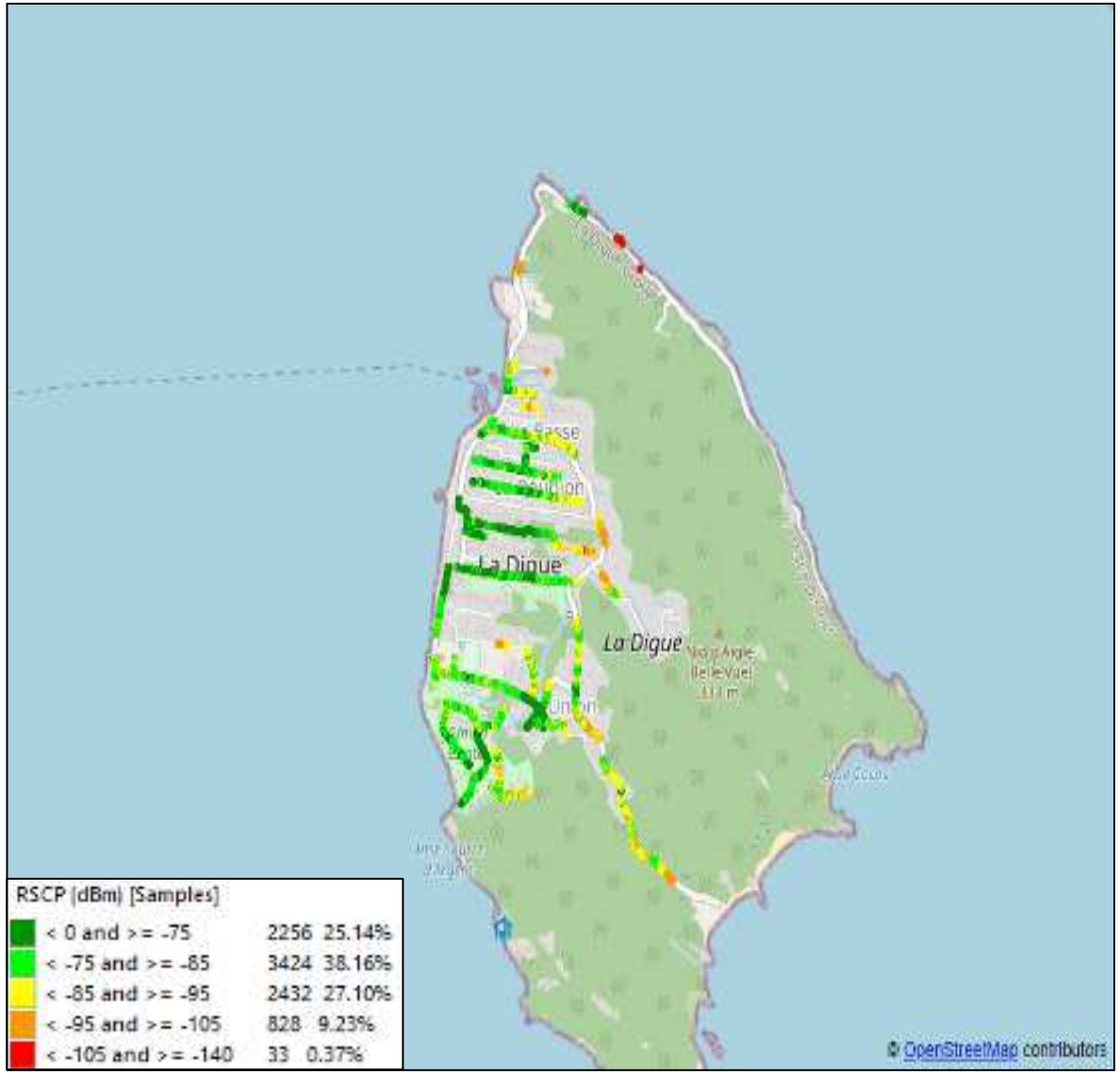


Phase-2 Long Call RSCP PLOT

Airtel LC MO

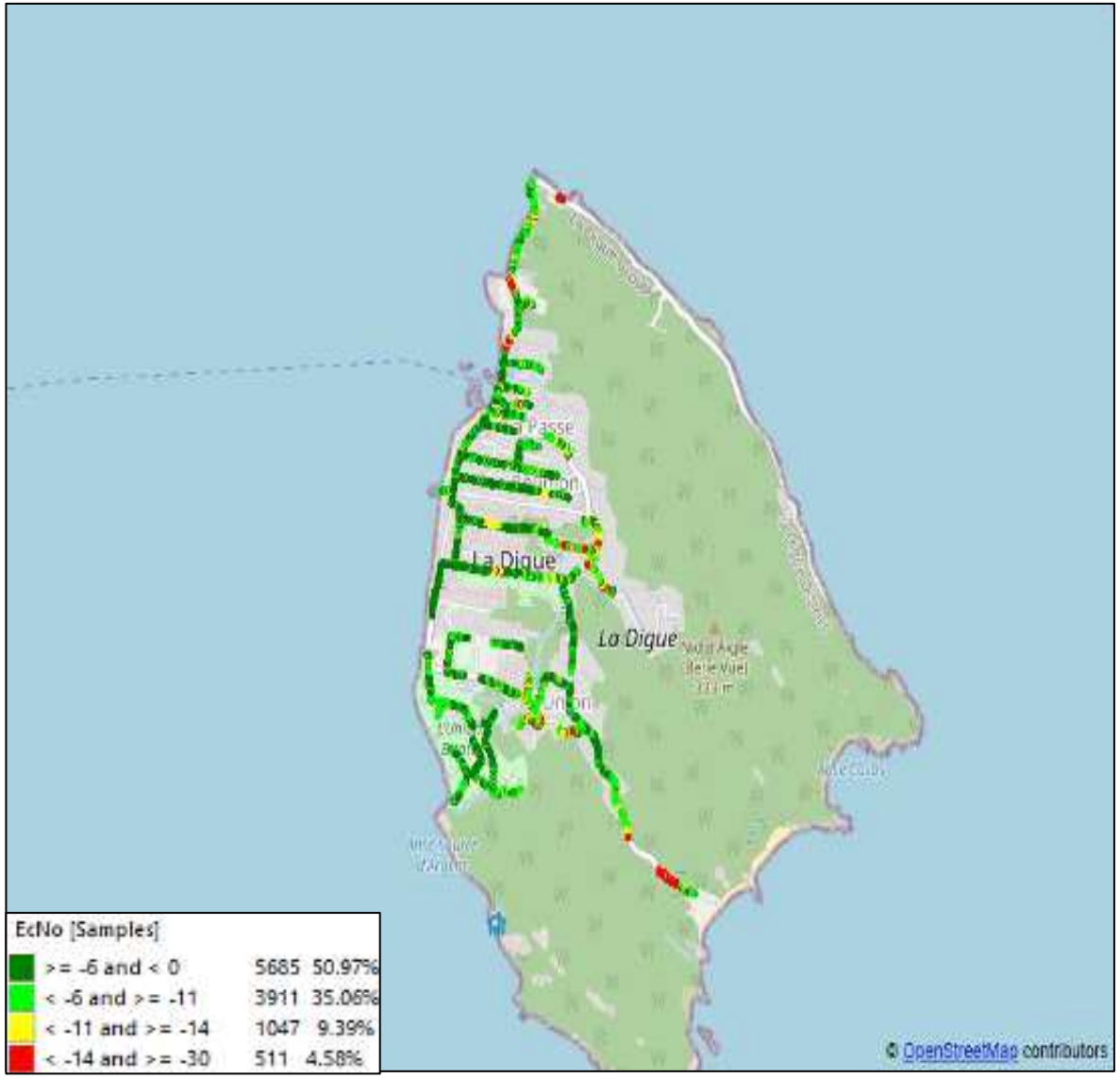


CWS LC MO

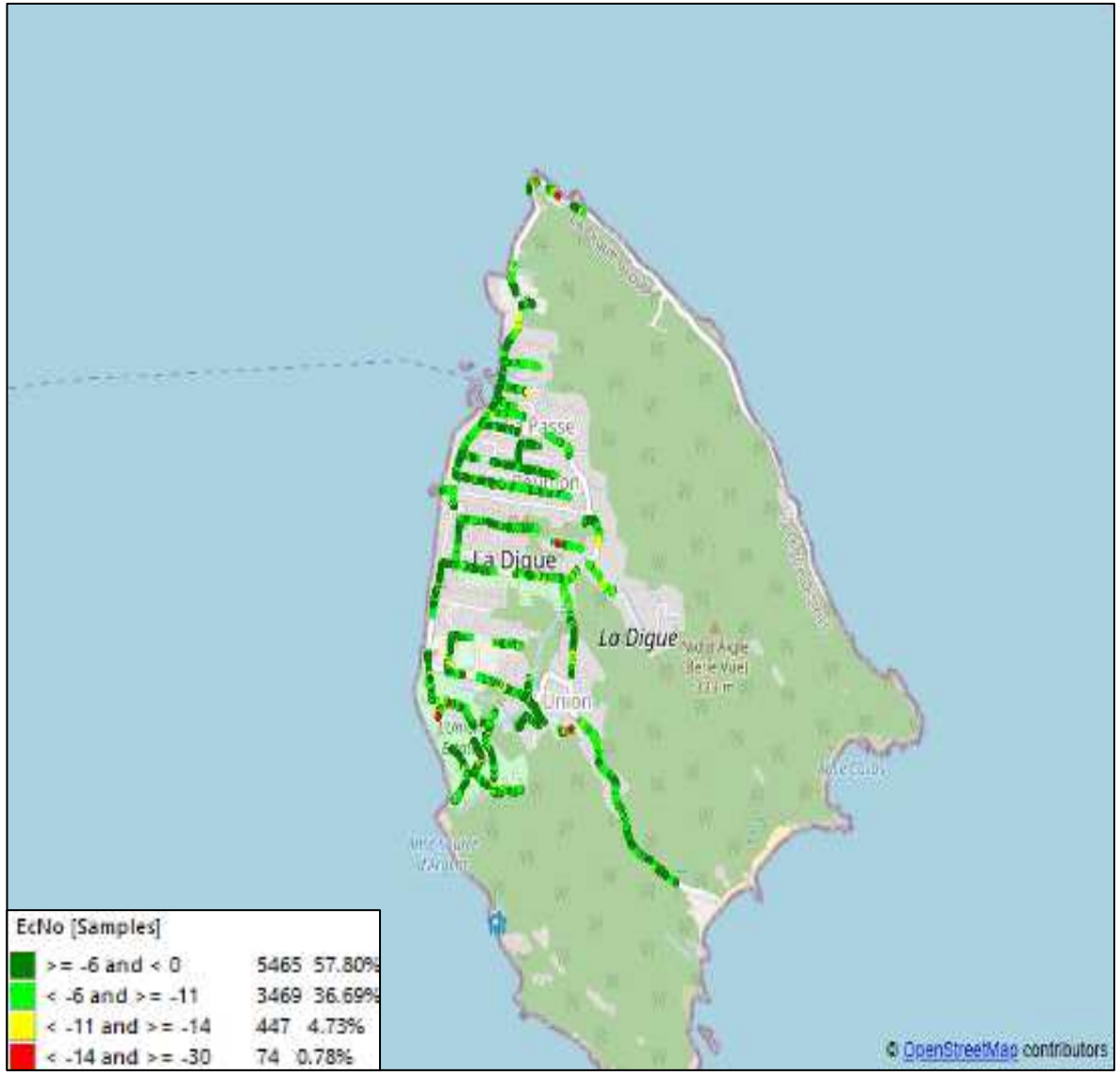


Phase-1 Long Call EC/NO PLOT

Airtel LC MO

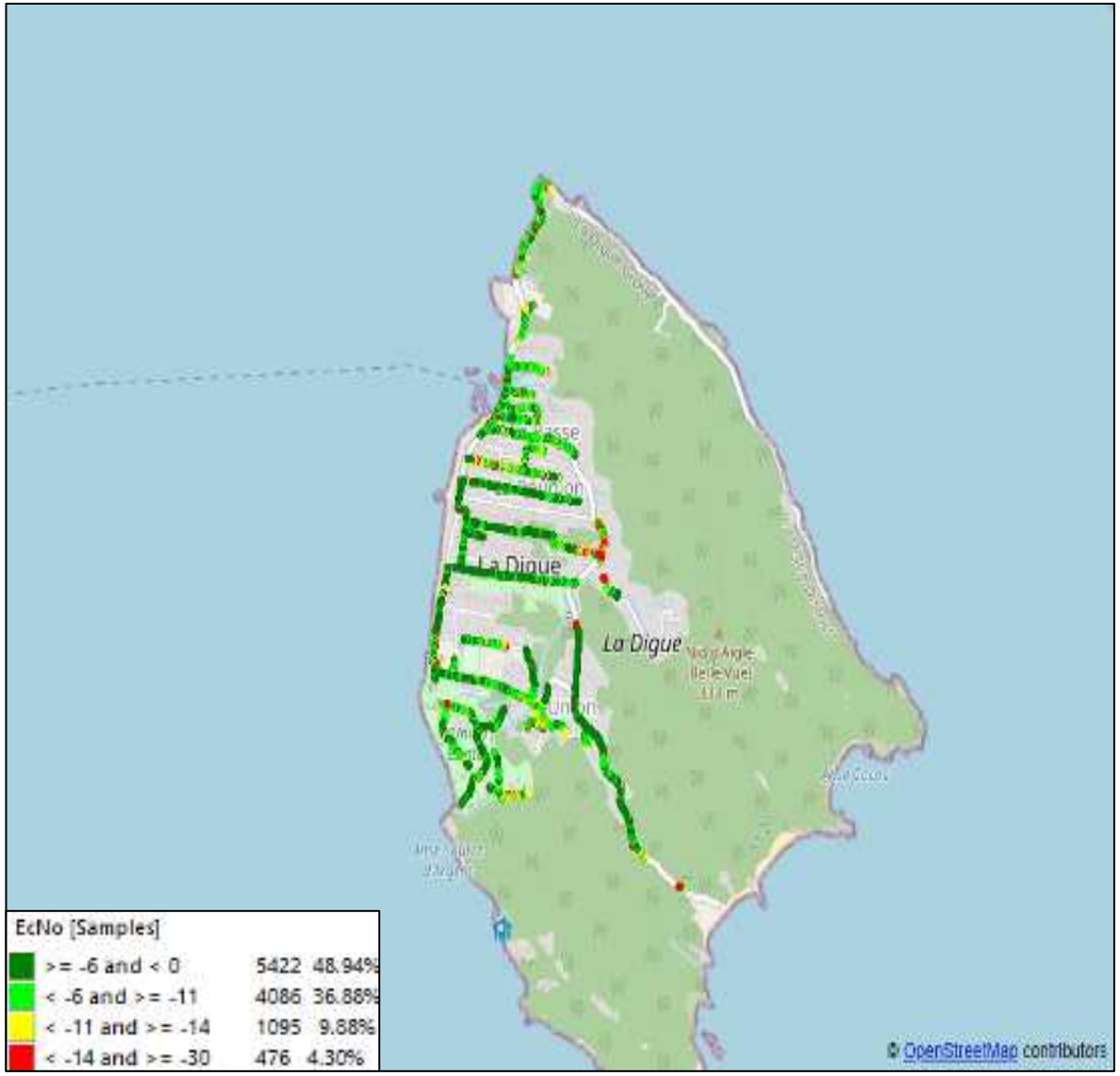


CWS LC MO

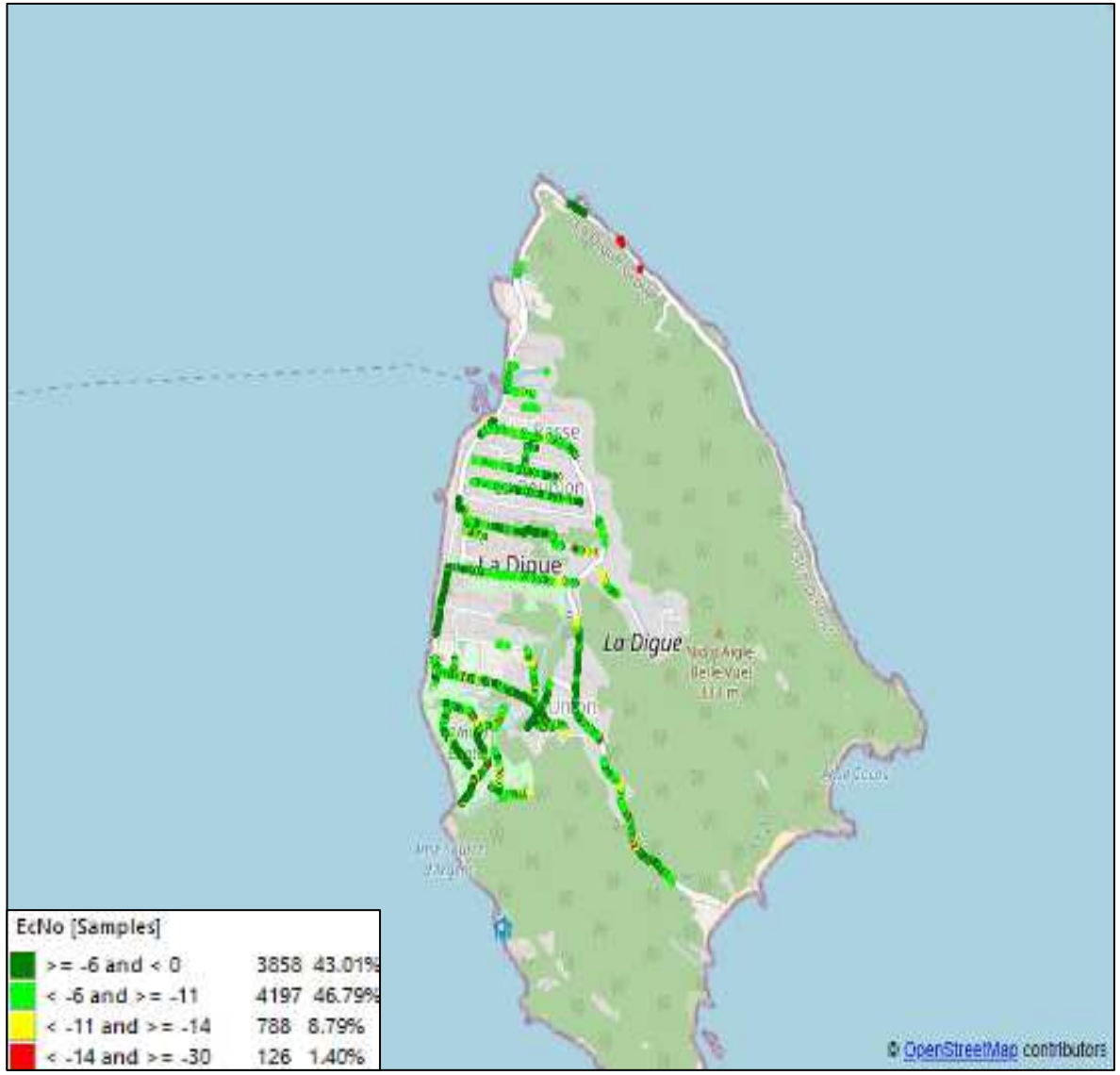


Phase-2 Long Call EC/NO PLOT

Airtel LC MO

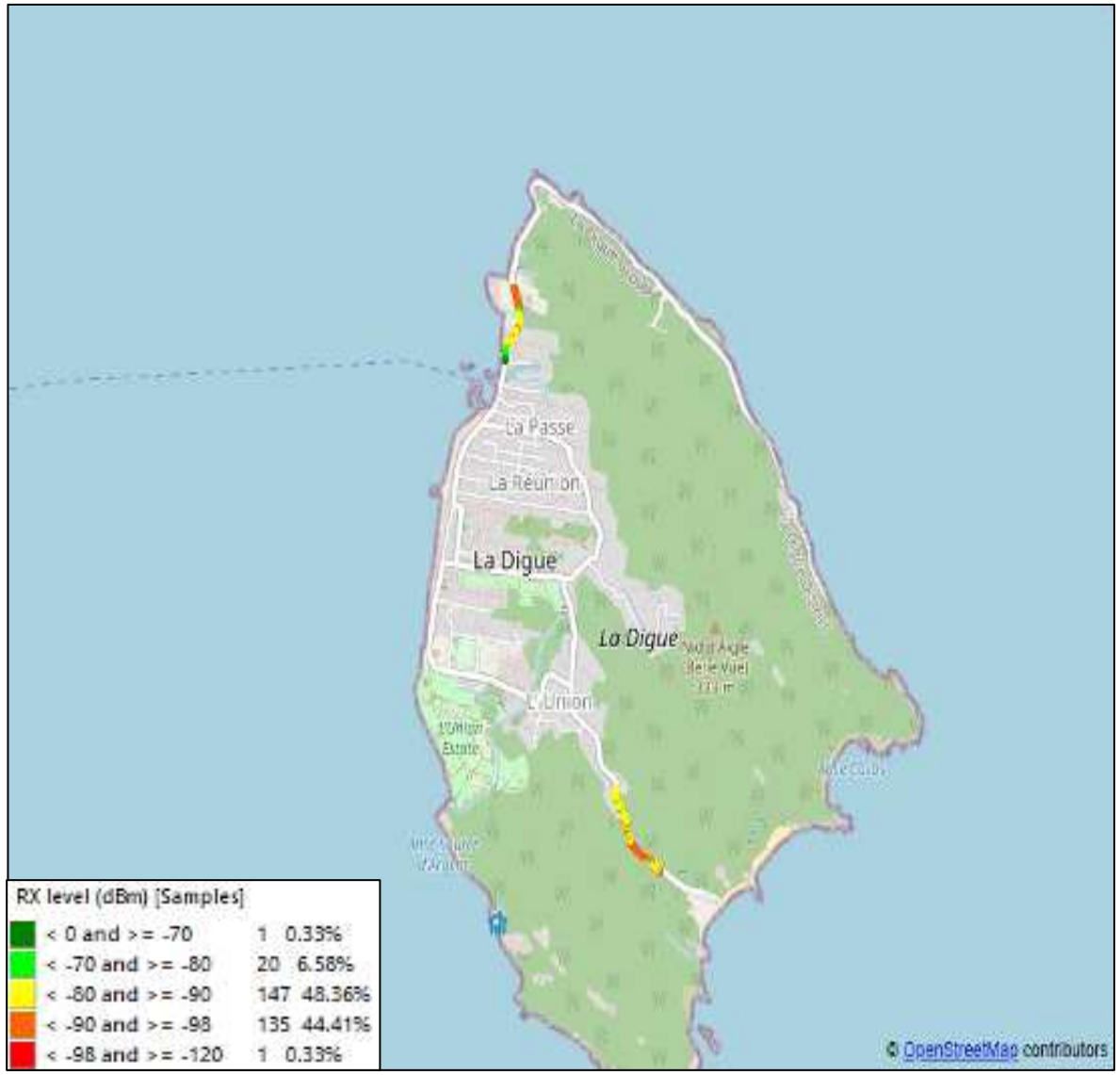


CWS LC MO

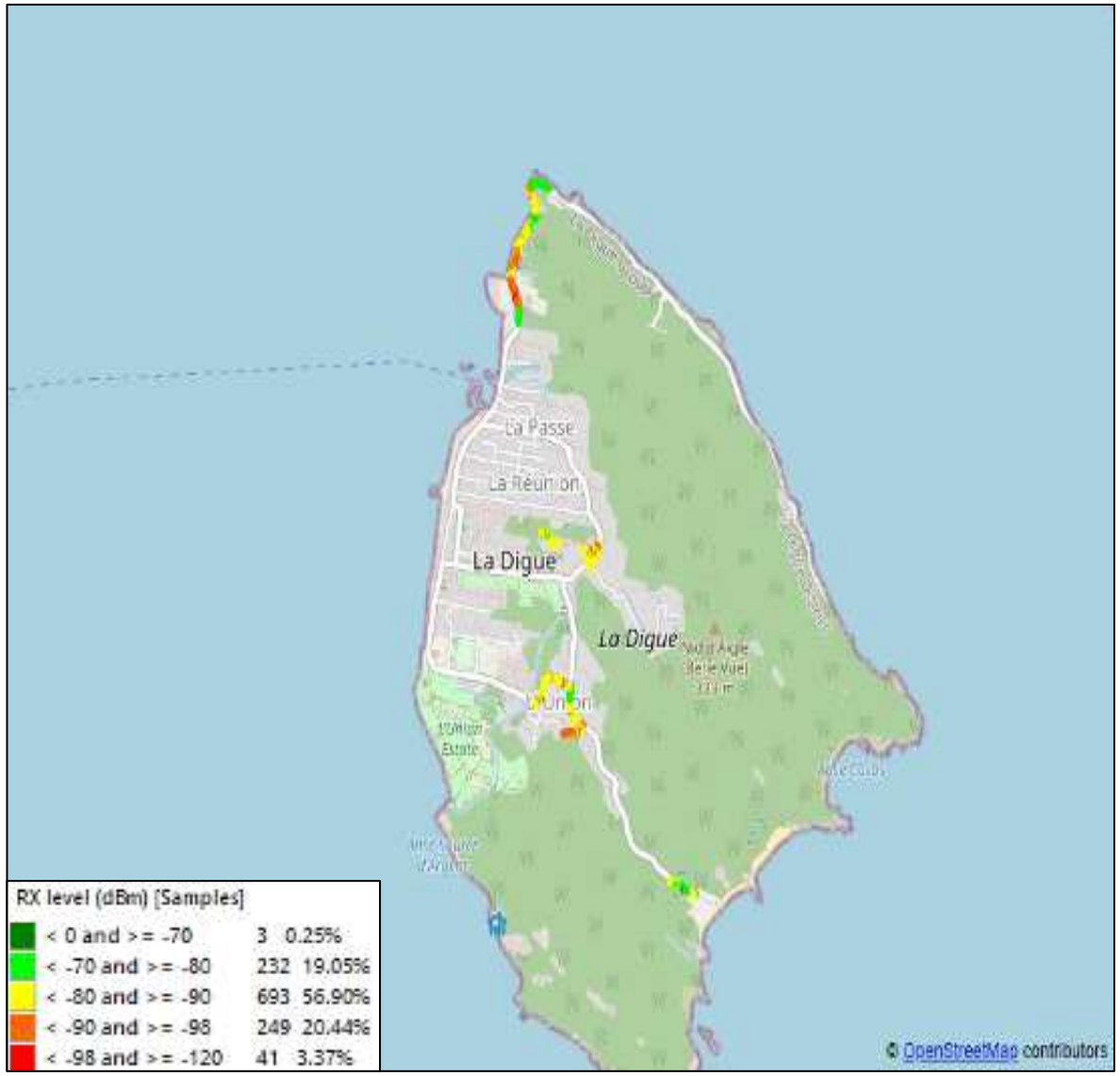


Phase-1 Long Call RX level sub PLOT

Airtel LC MO

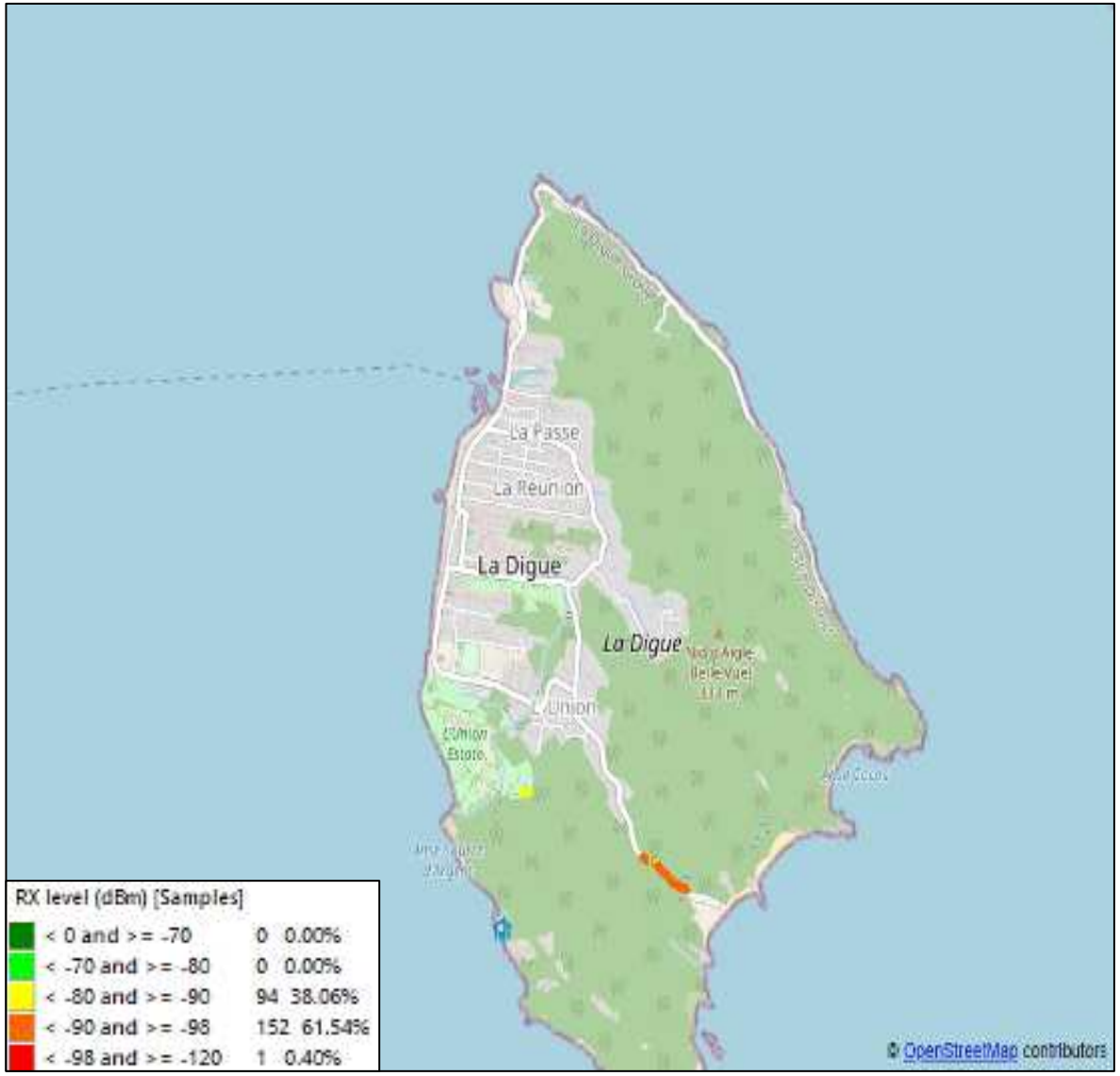


CWS LC MO

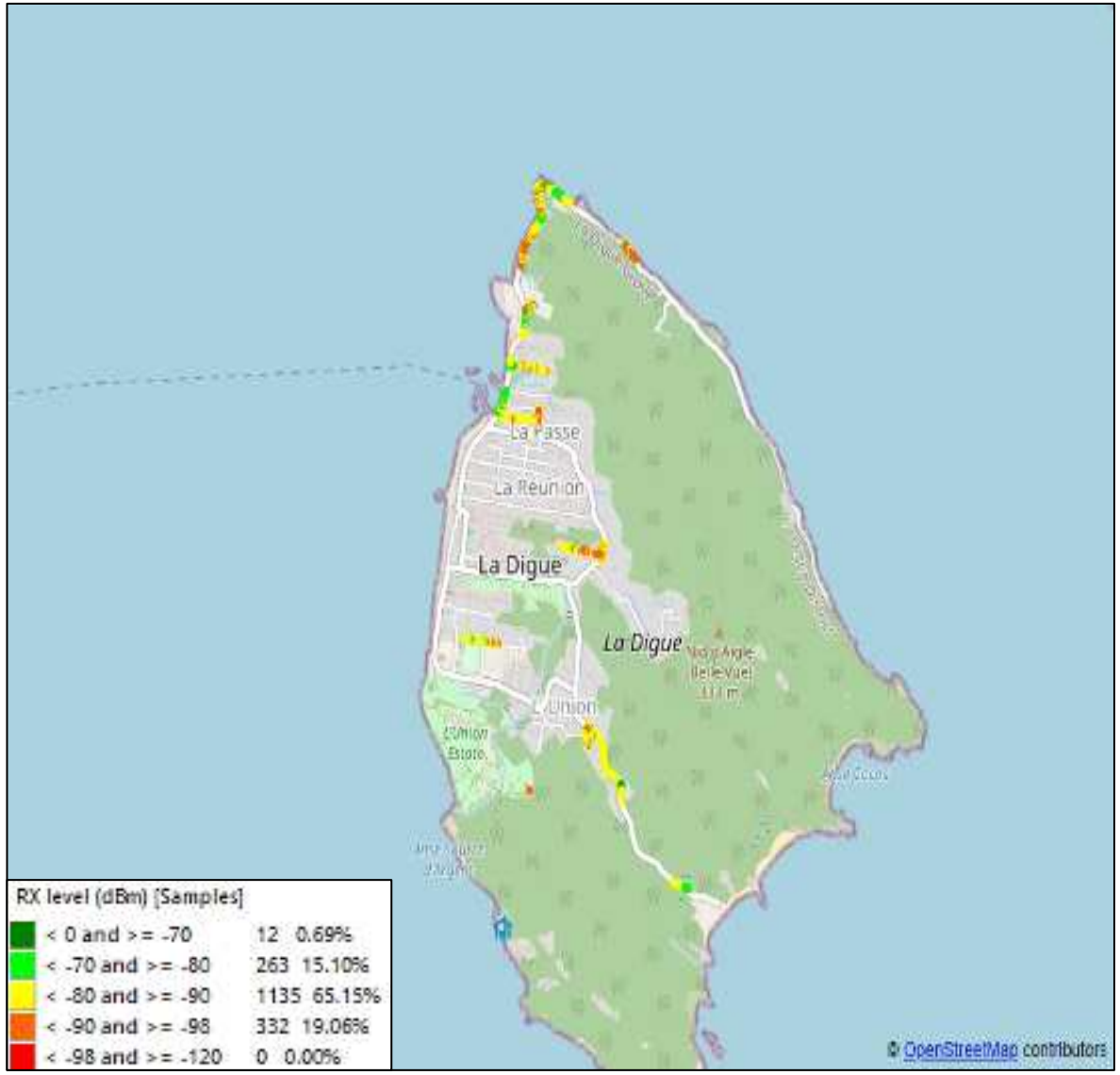


Phase-2 Long Call RX level sub PLOT

Airtel LC MO

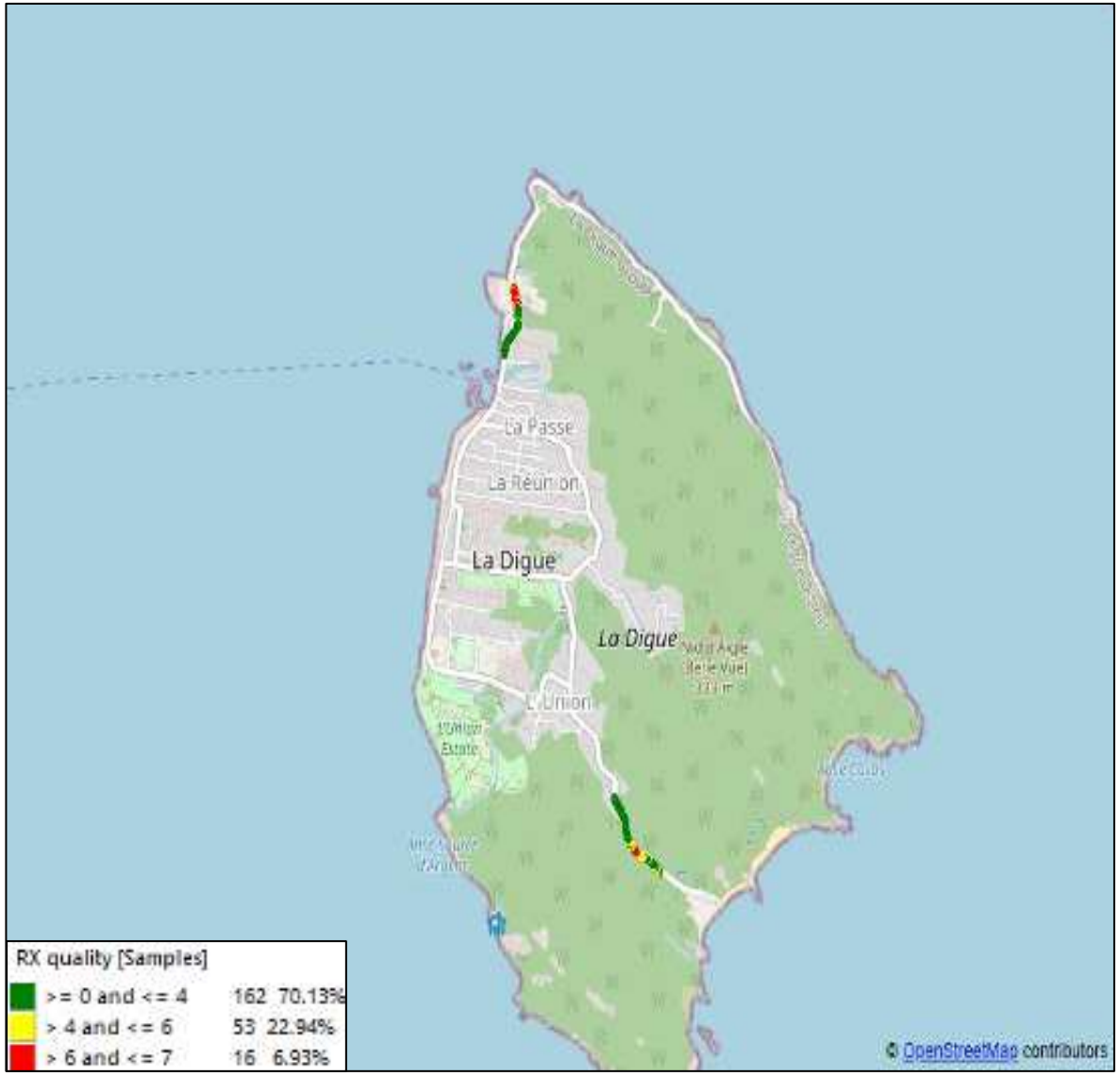


CWS LC MO

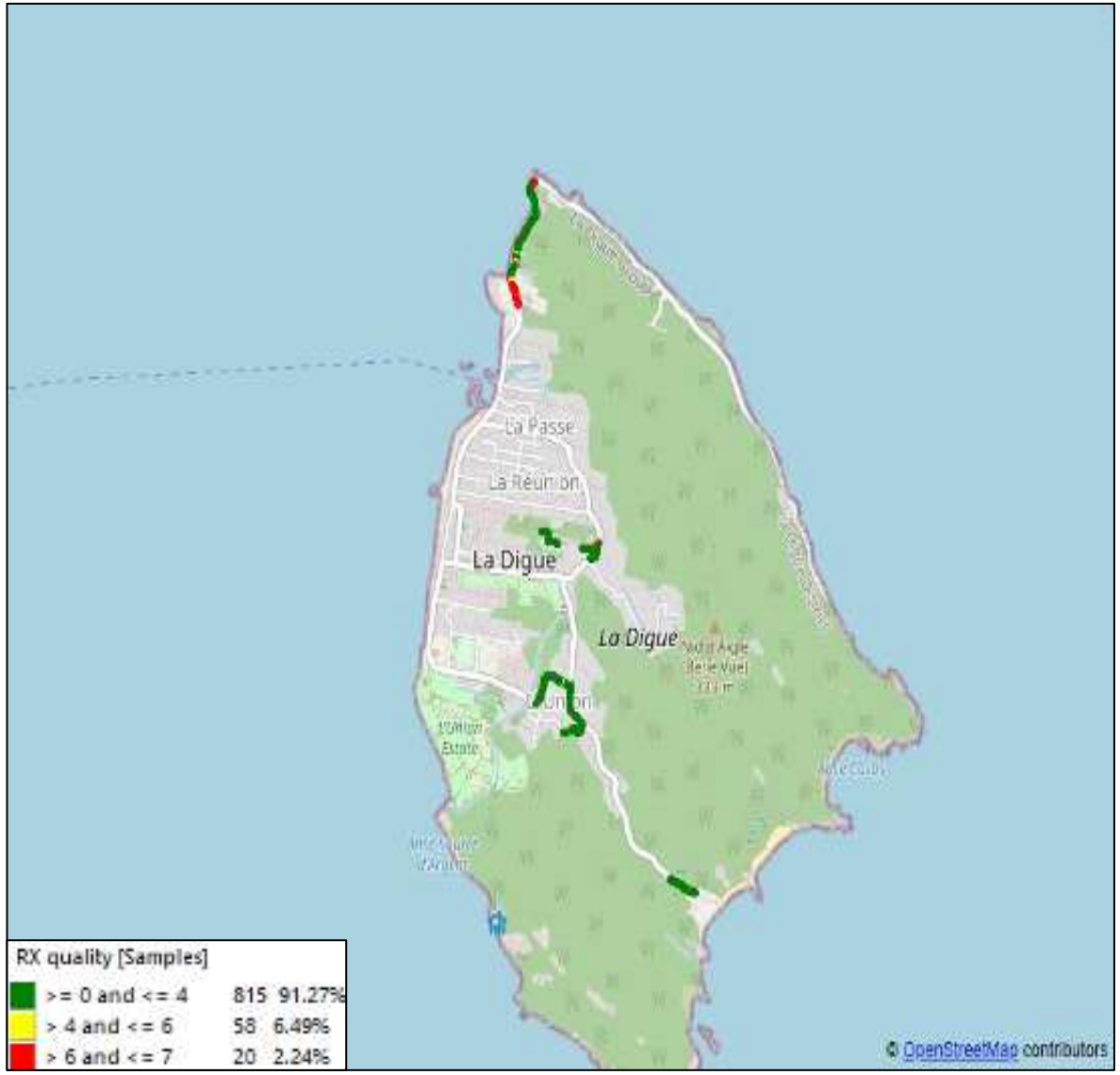


Phase-1 Long Call RX quality sub PLOT

Airtel LC MO

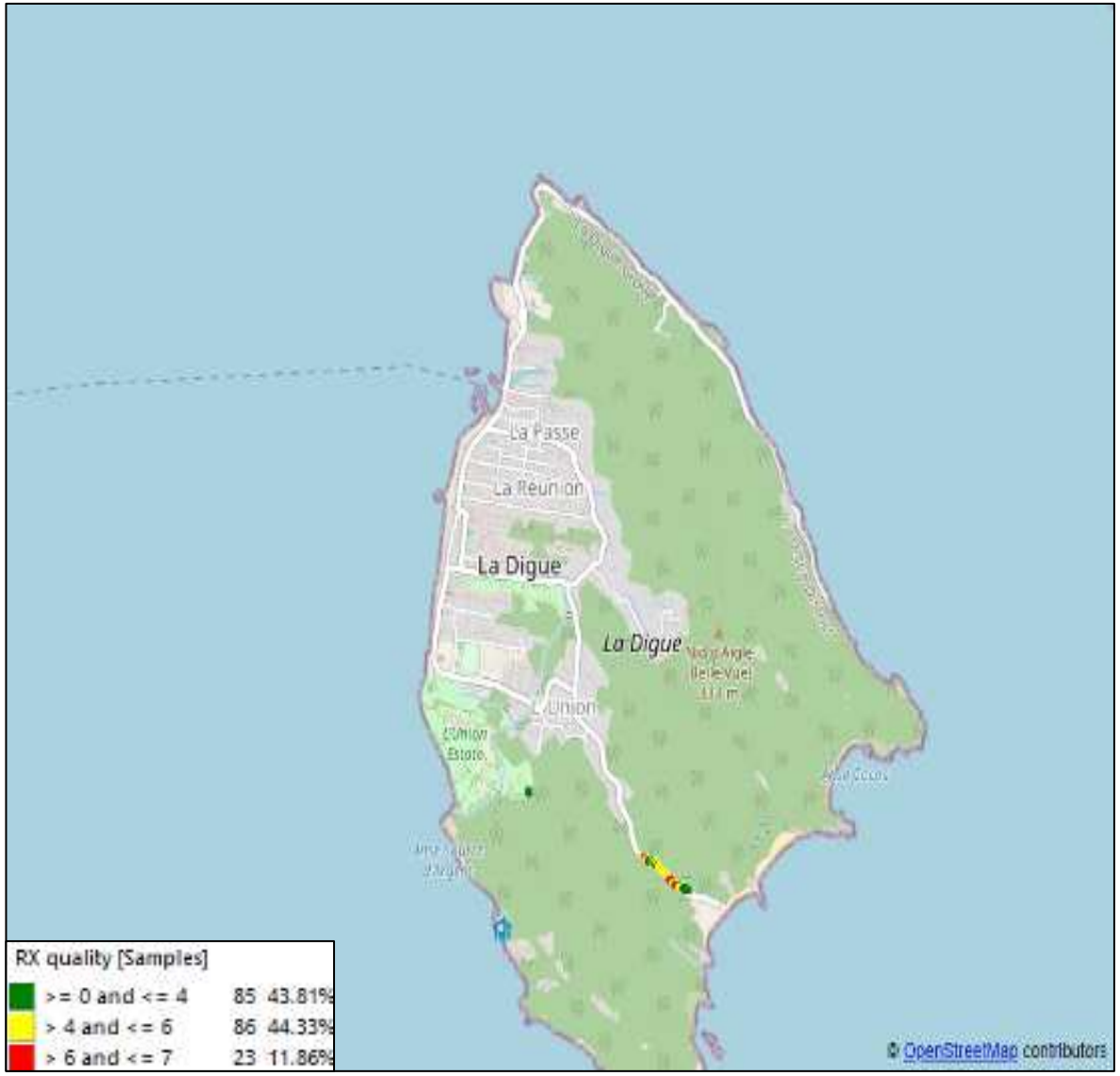


CWS LC MO

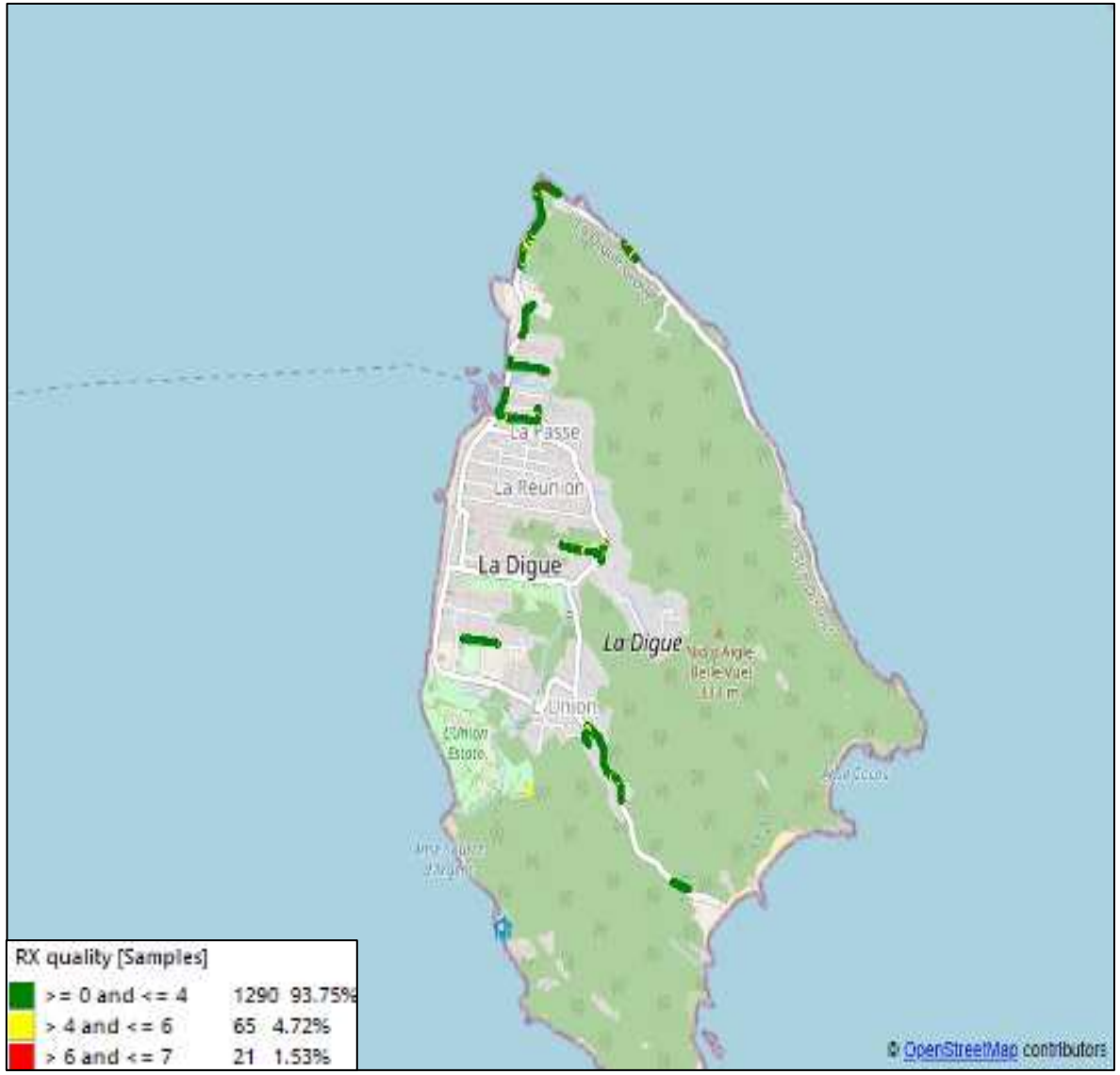


Phase-2 Long Call RX quality sub PLOT

Airtel LC MO



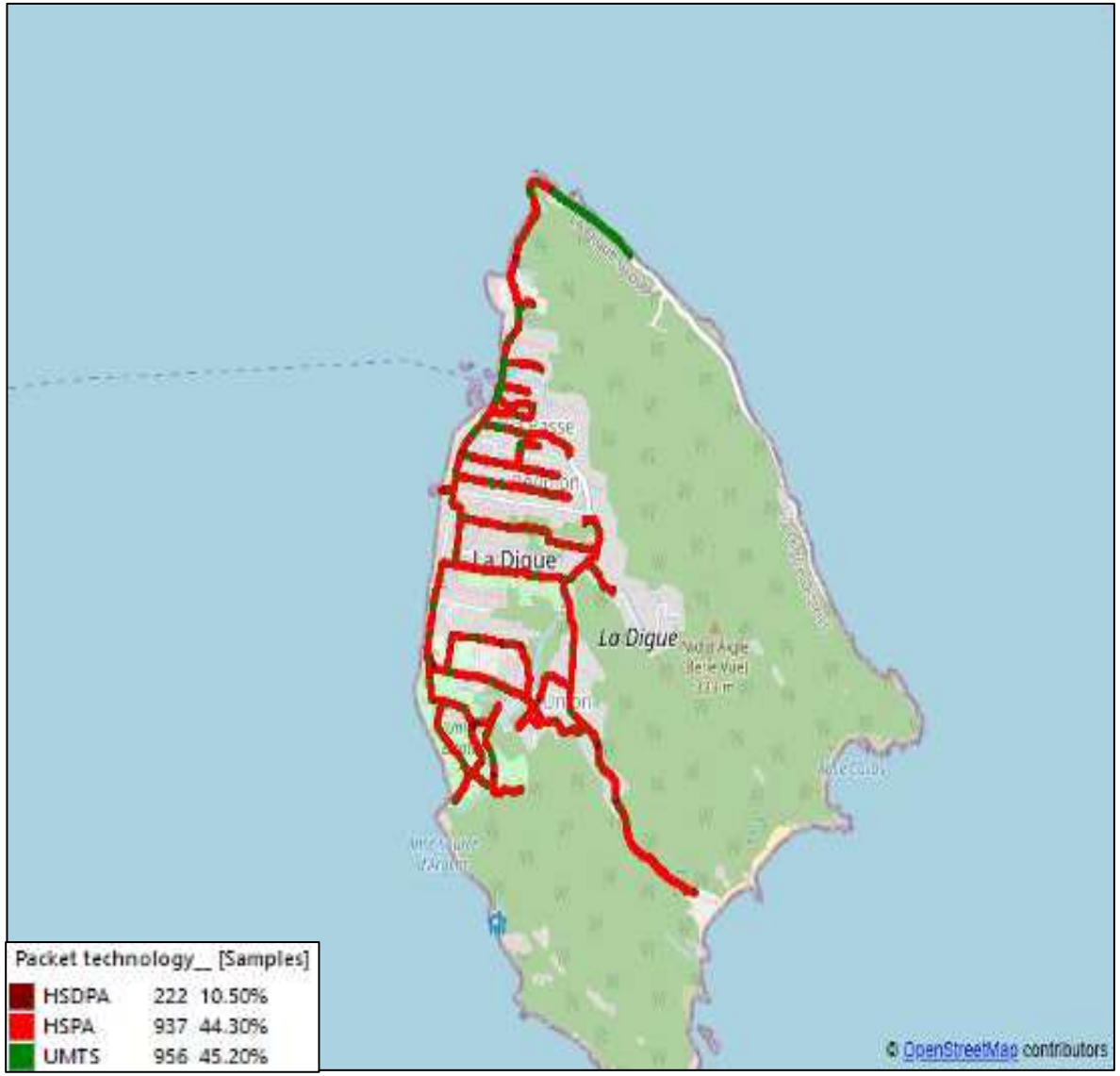
CWS LC MO



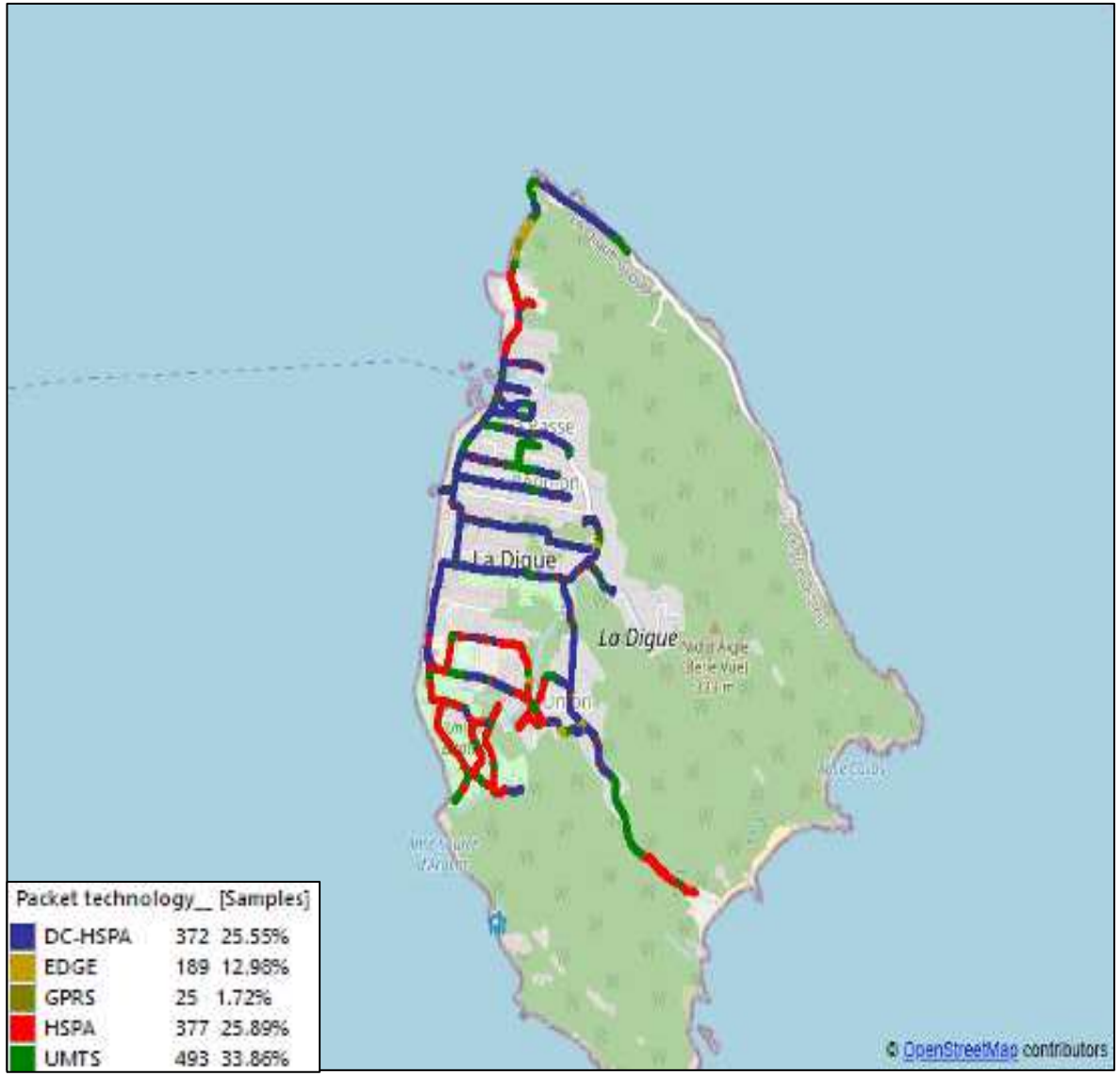
3G PREFERRED DATA DRIVE PLOTS

Phase-1 3G PREFERRED DATA TEST - TECHNOLOGY PLOT

Airtel Data 3G

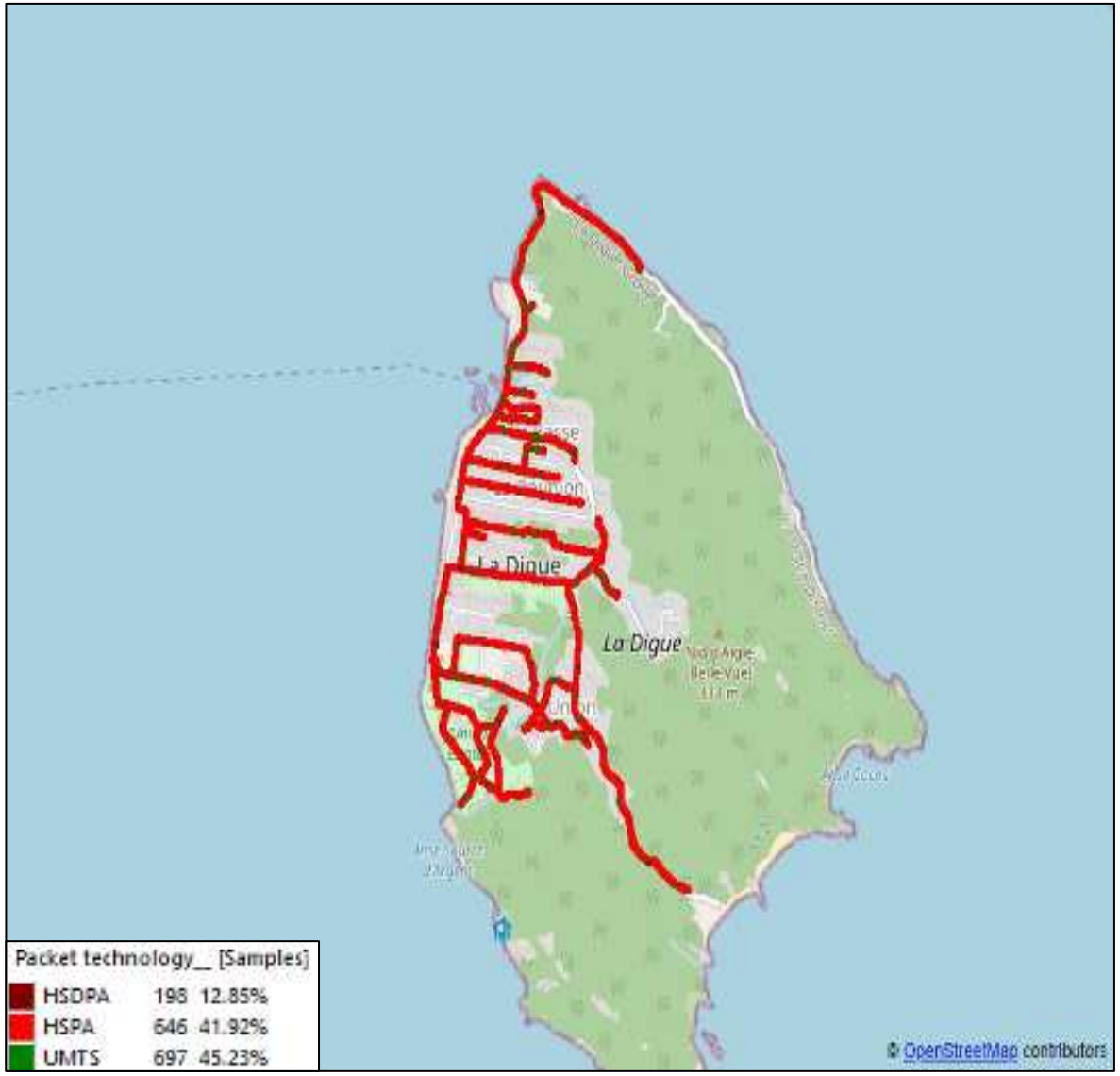


CWS Data 3G

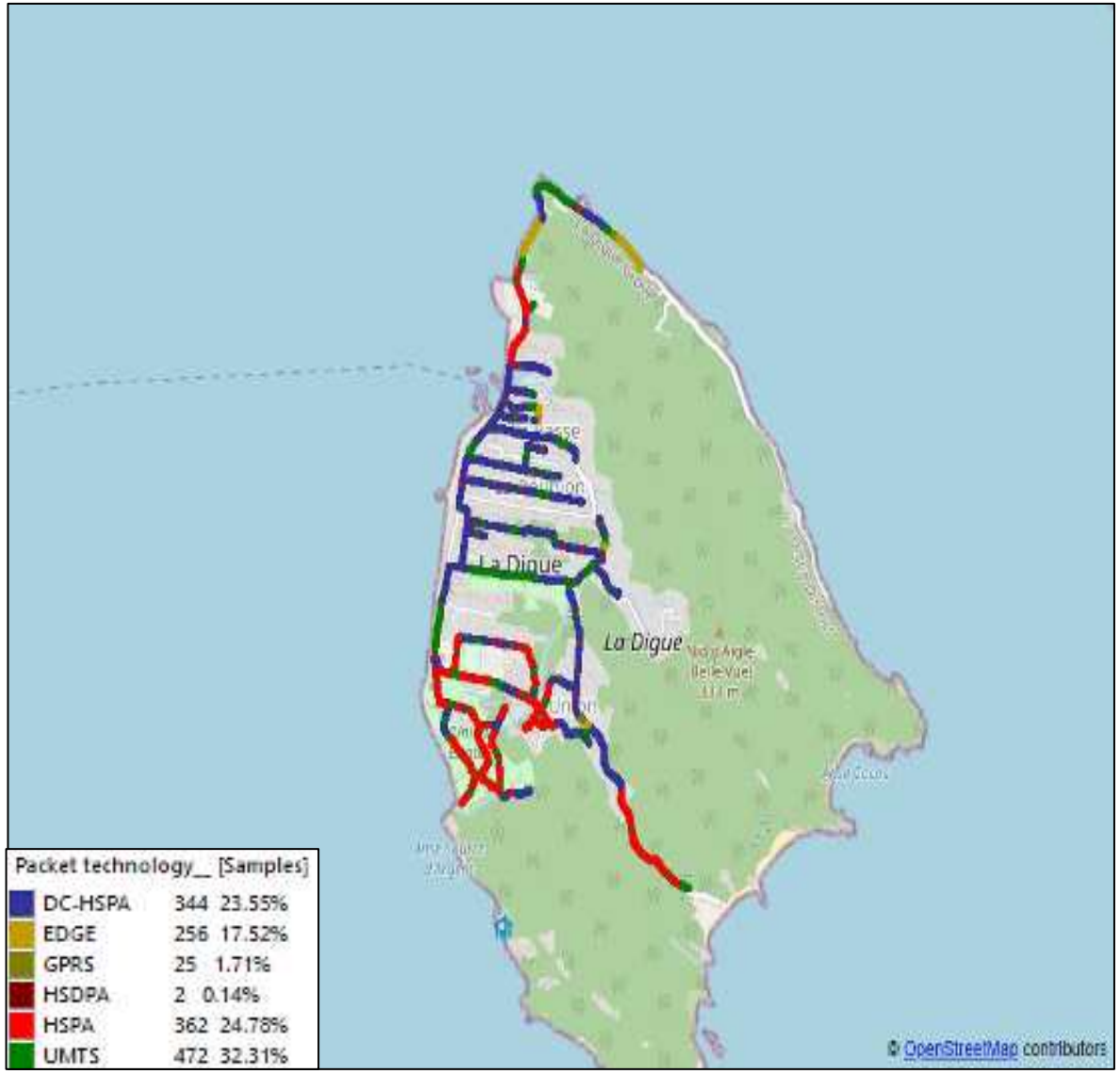


Phase-2 3G PREFERRED DATA TEST - TECHNOLOGY PLOT

Airtel Data 3G

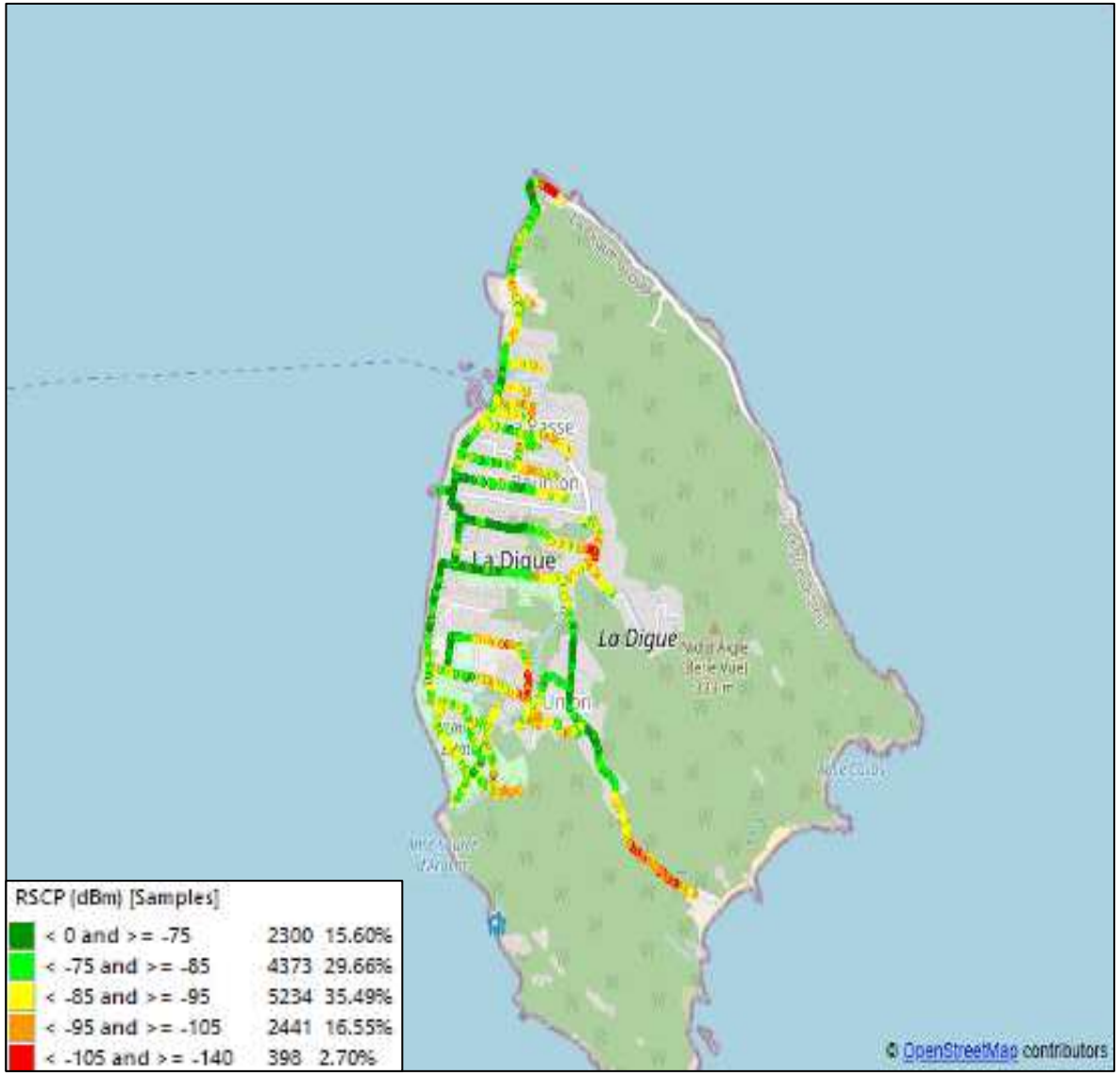


CWS Data 3G

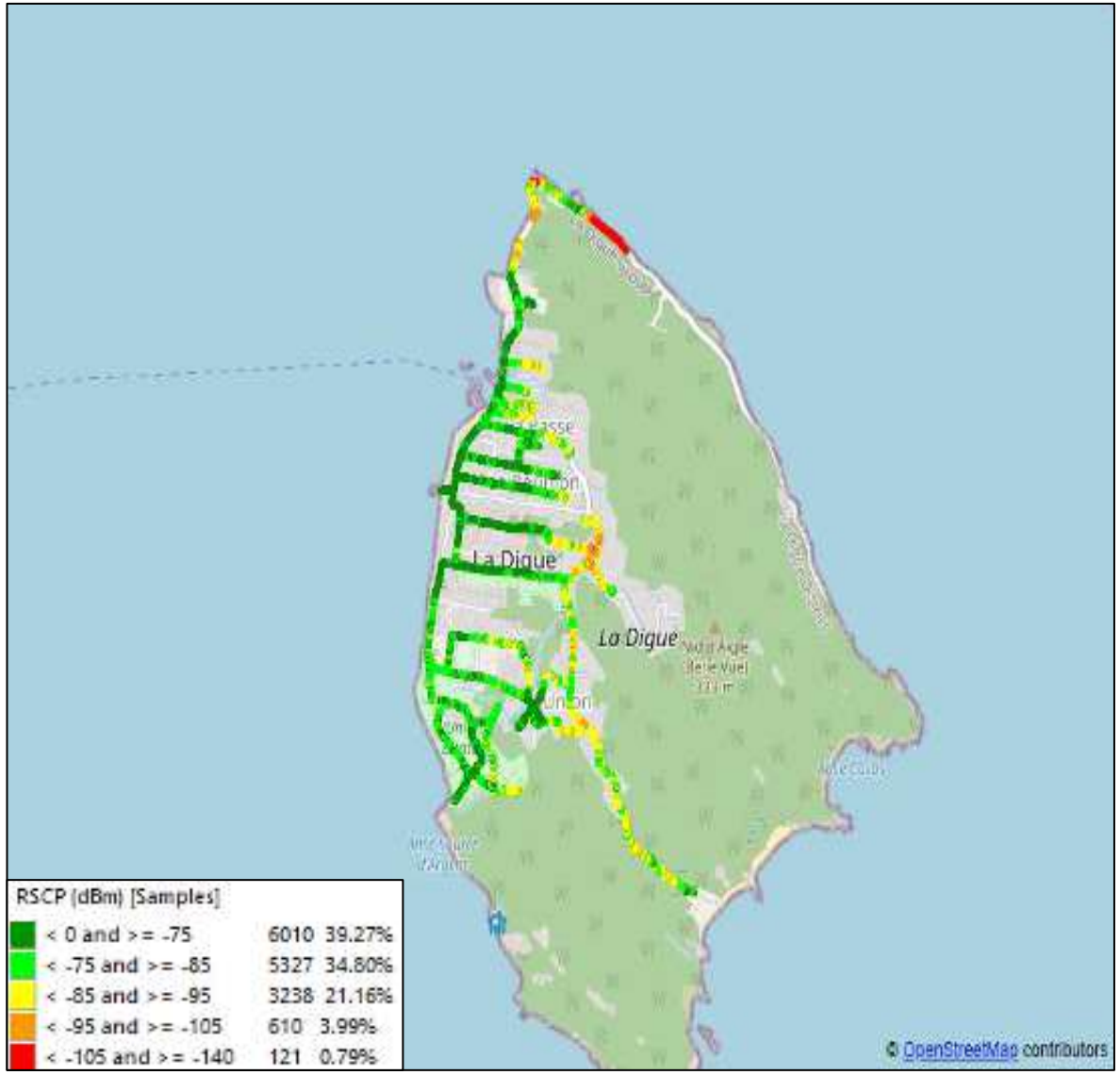


Phase-1 3G PREFERRED DATA TEST - RSCP PLOT

Airtel Data 3G

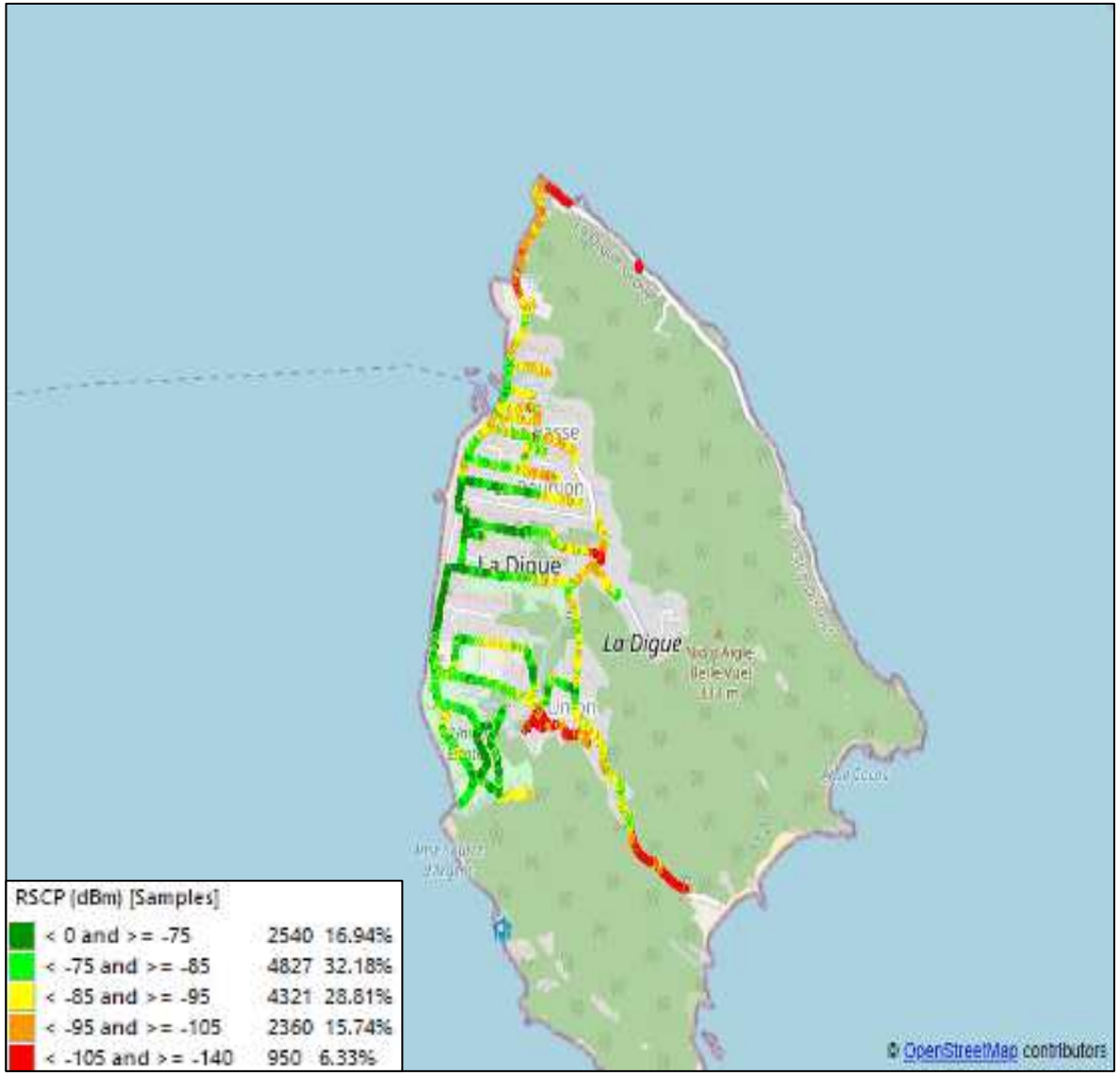


CWS Data 3G

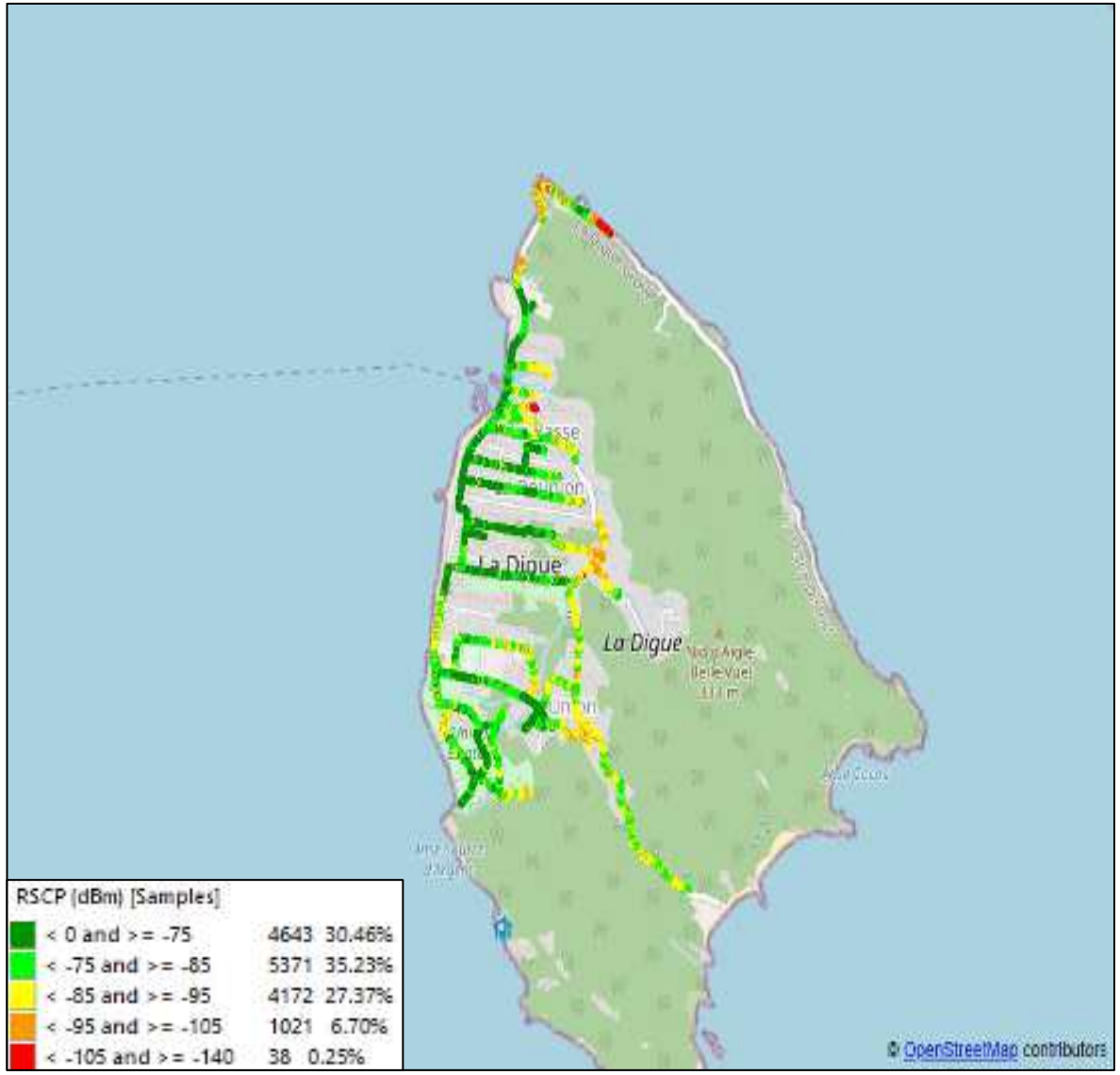


Phase-2 3G PREFERRED DATA TEST - RSCP PLOT

Airtel Data 3G

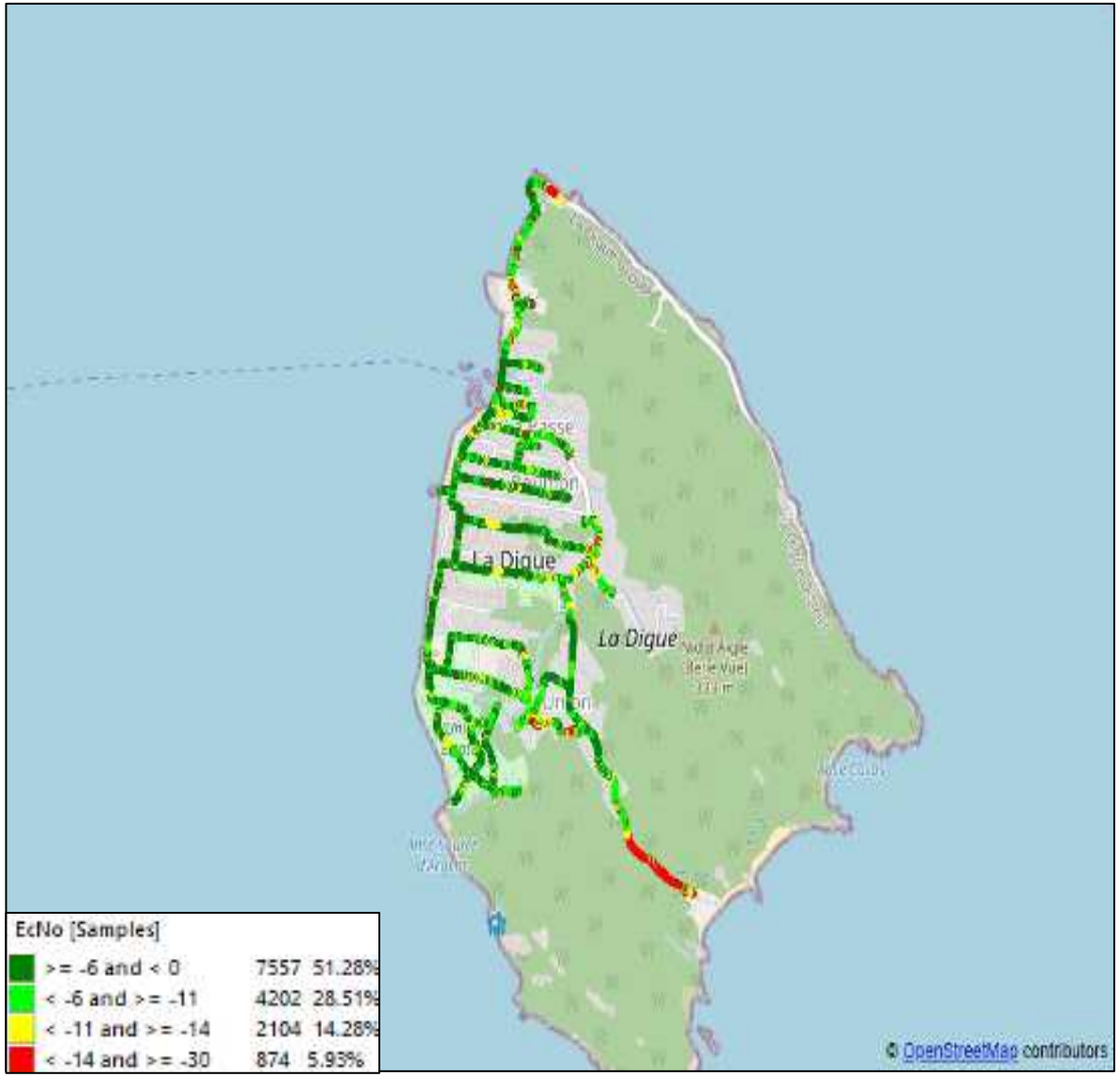


CWS Data 3G

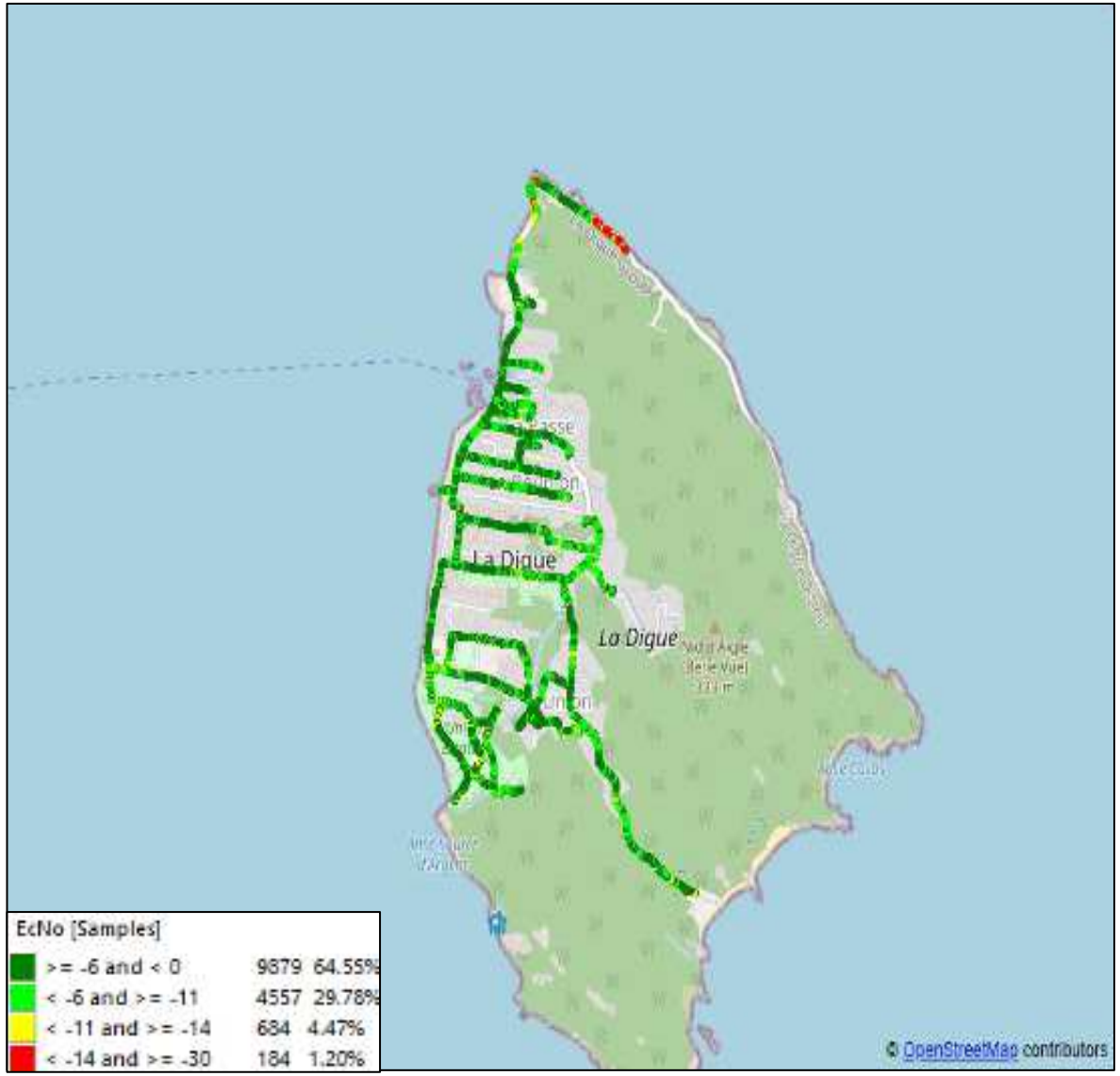


Phase-1 3G PREFERRED DATA TEST - EC/NO PLOT

Airtel Data 3G

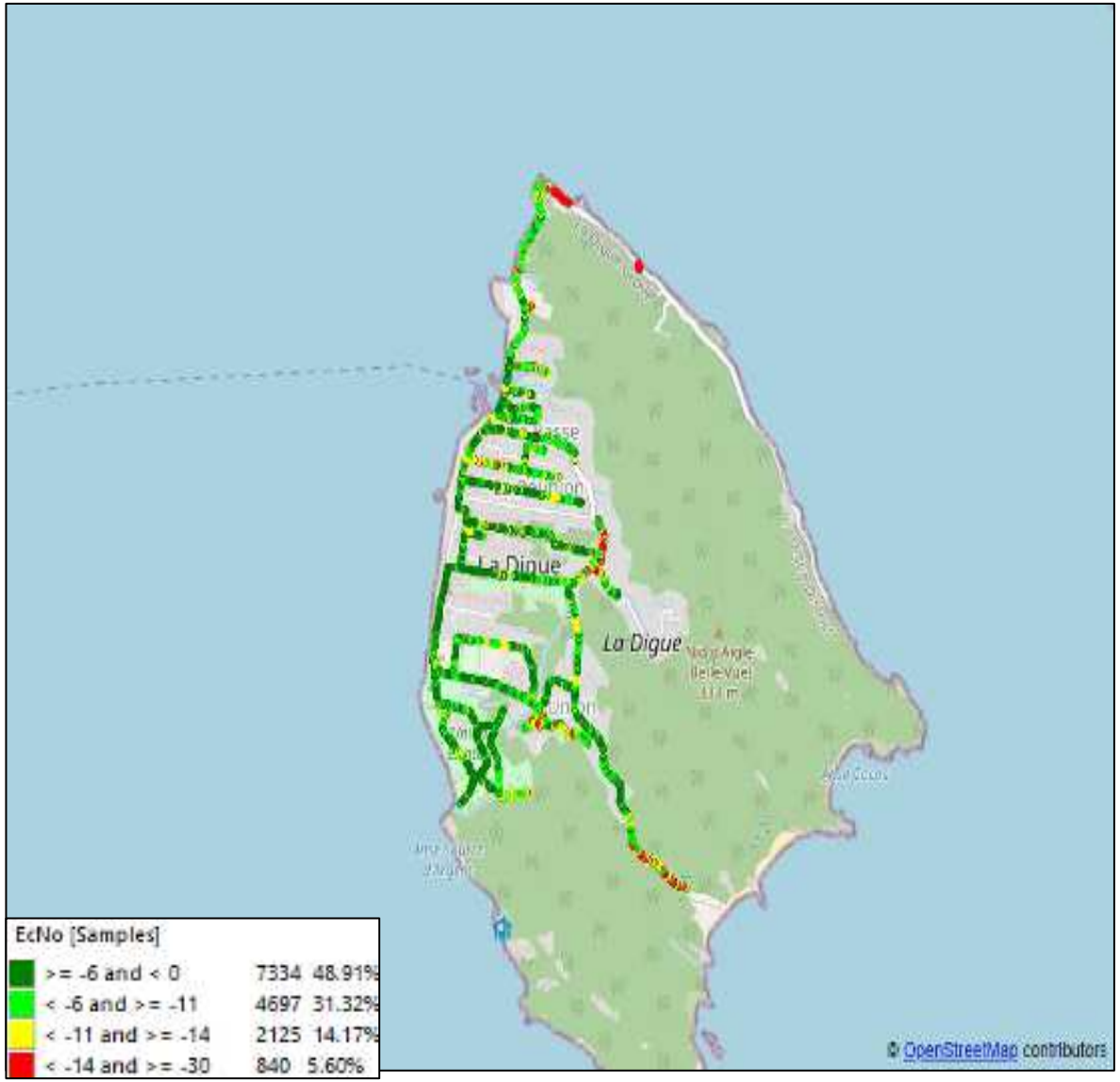


CWS Data 3G

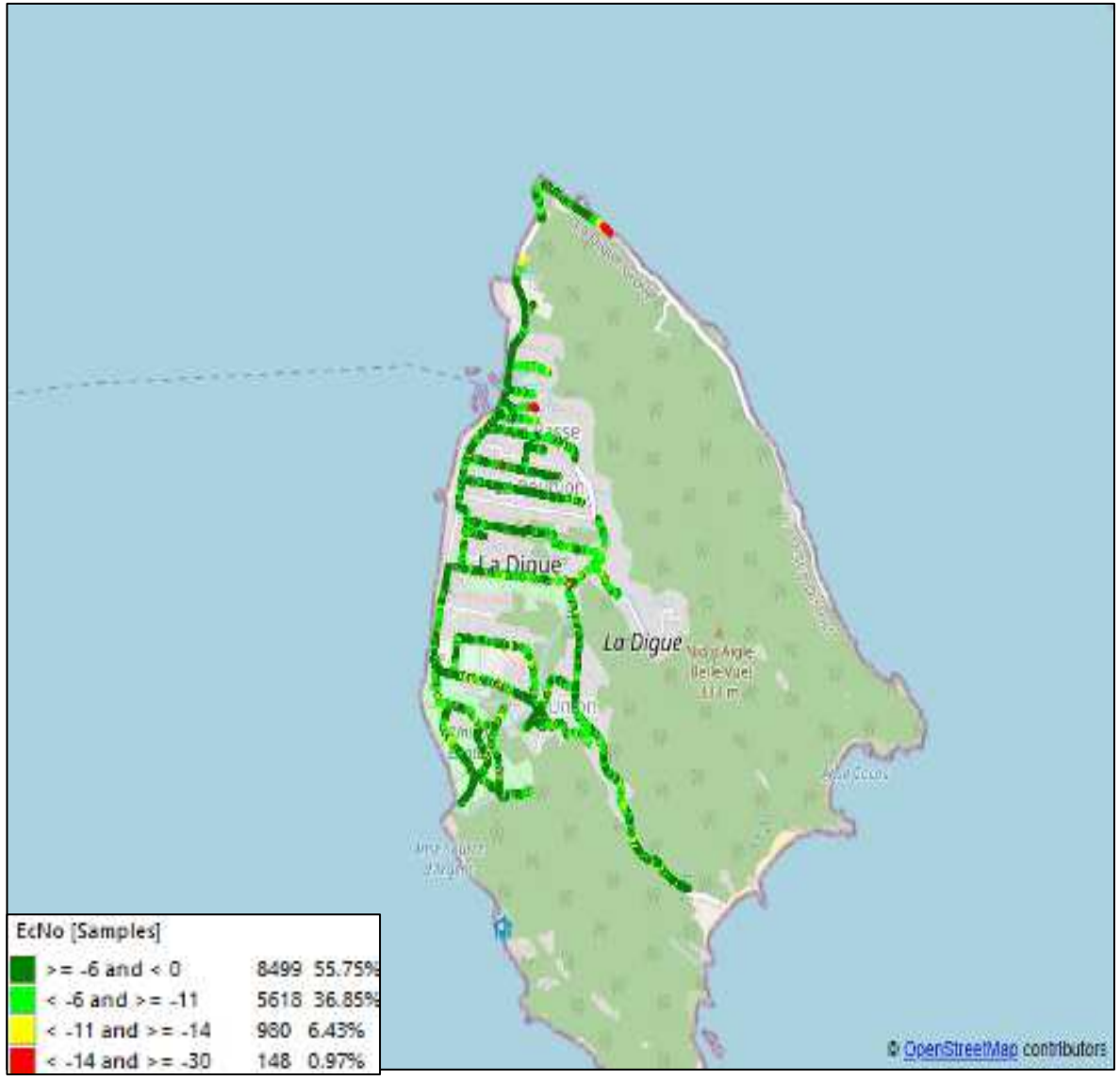


Phase-2 3G PREFERRED DATA TEST - EC/NO PLOT

Airtel Data 3G

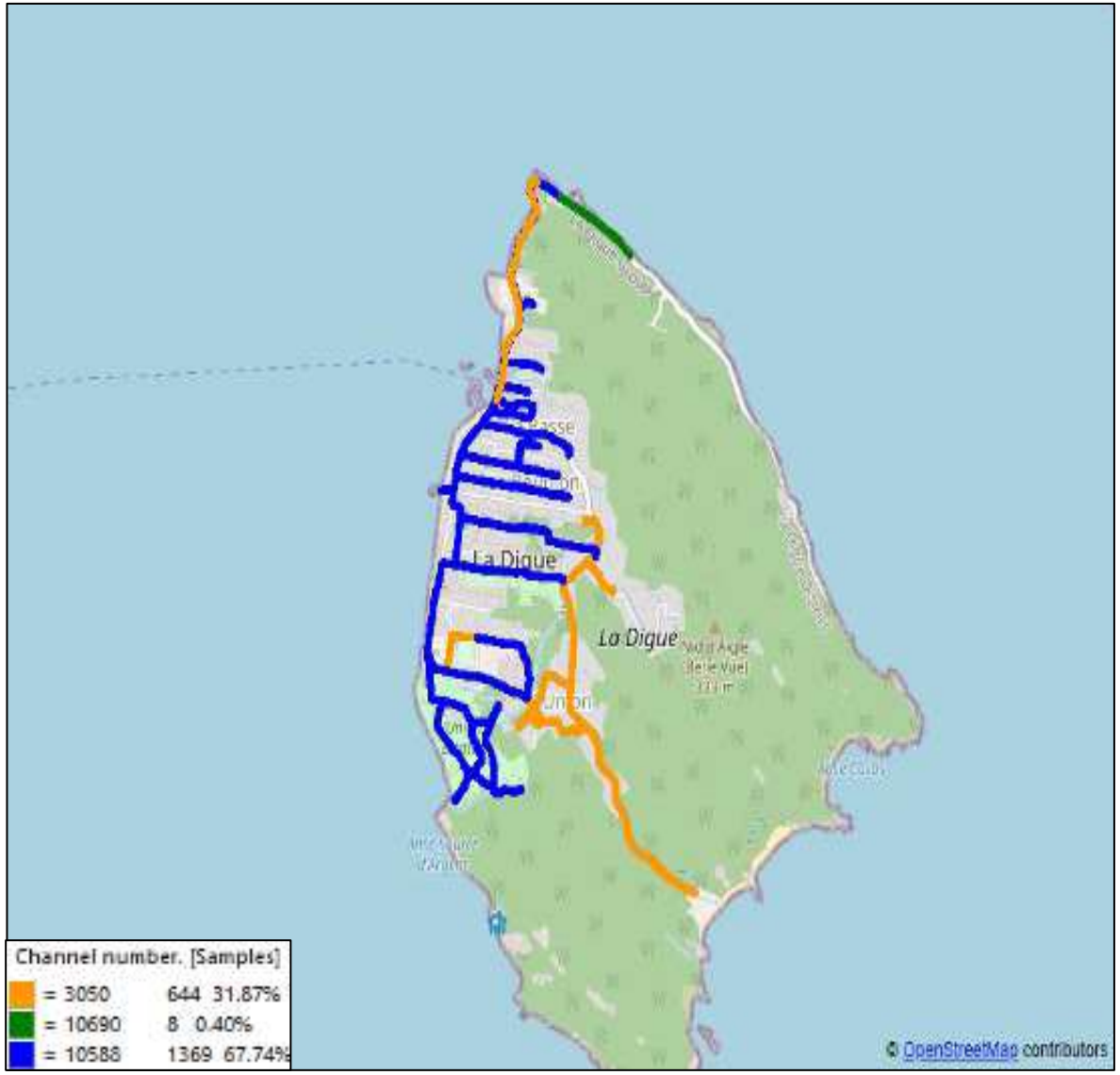


CWS Data 3G

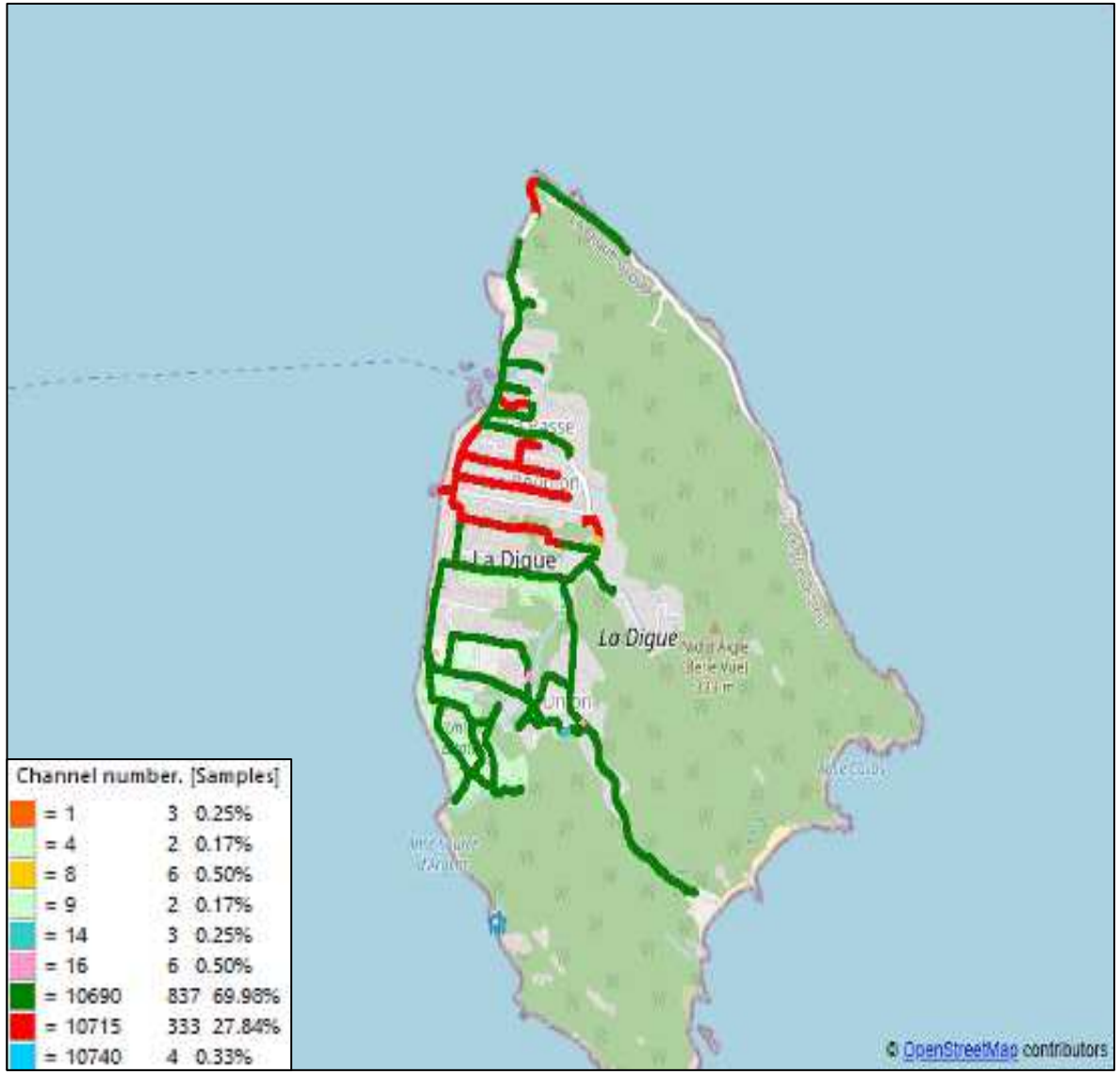


Phase-1 3G PREFERRED DATA TEST - UARFCN PLOT

Airtel Data 3G

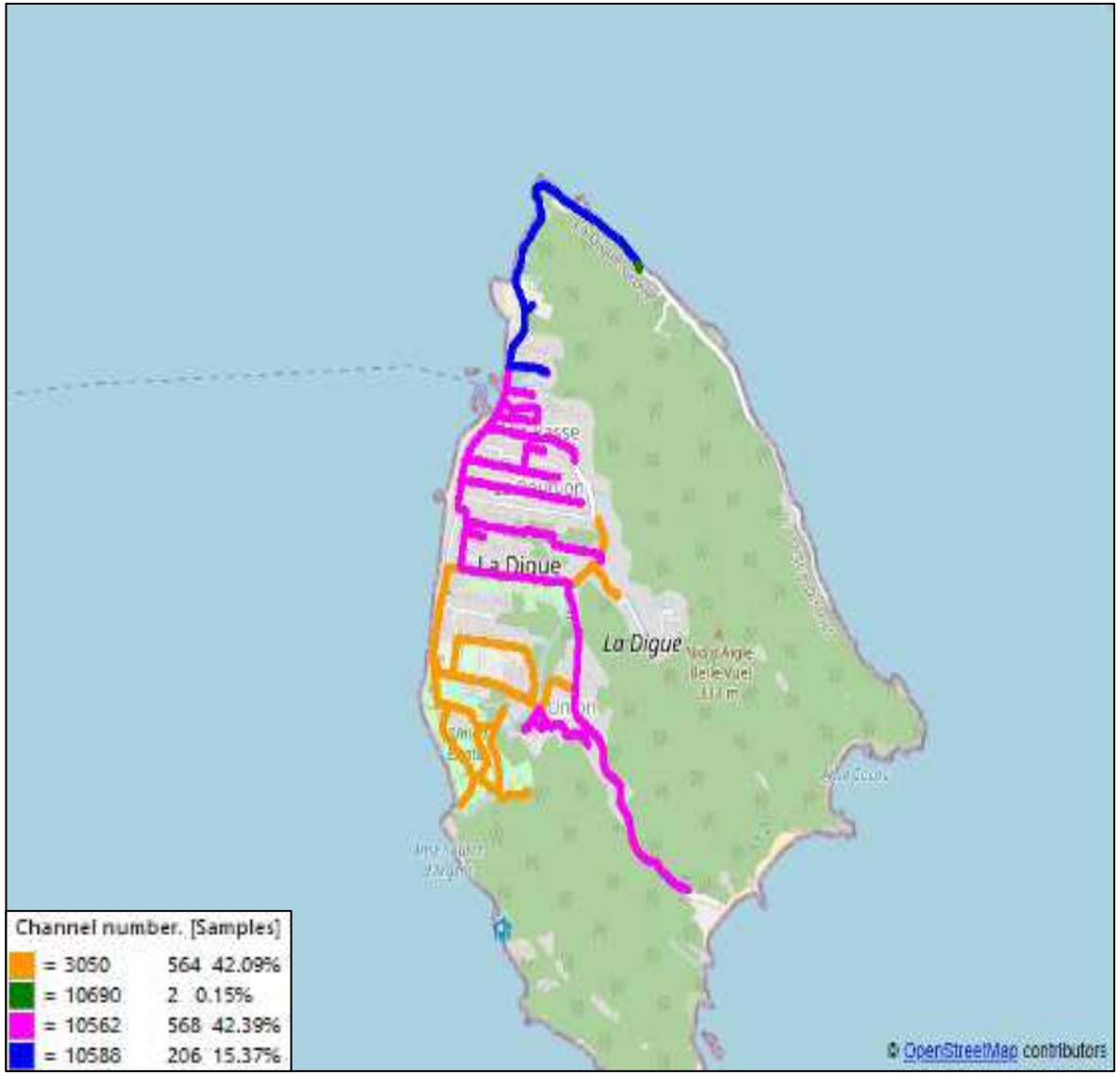


CWS Data 3G

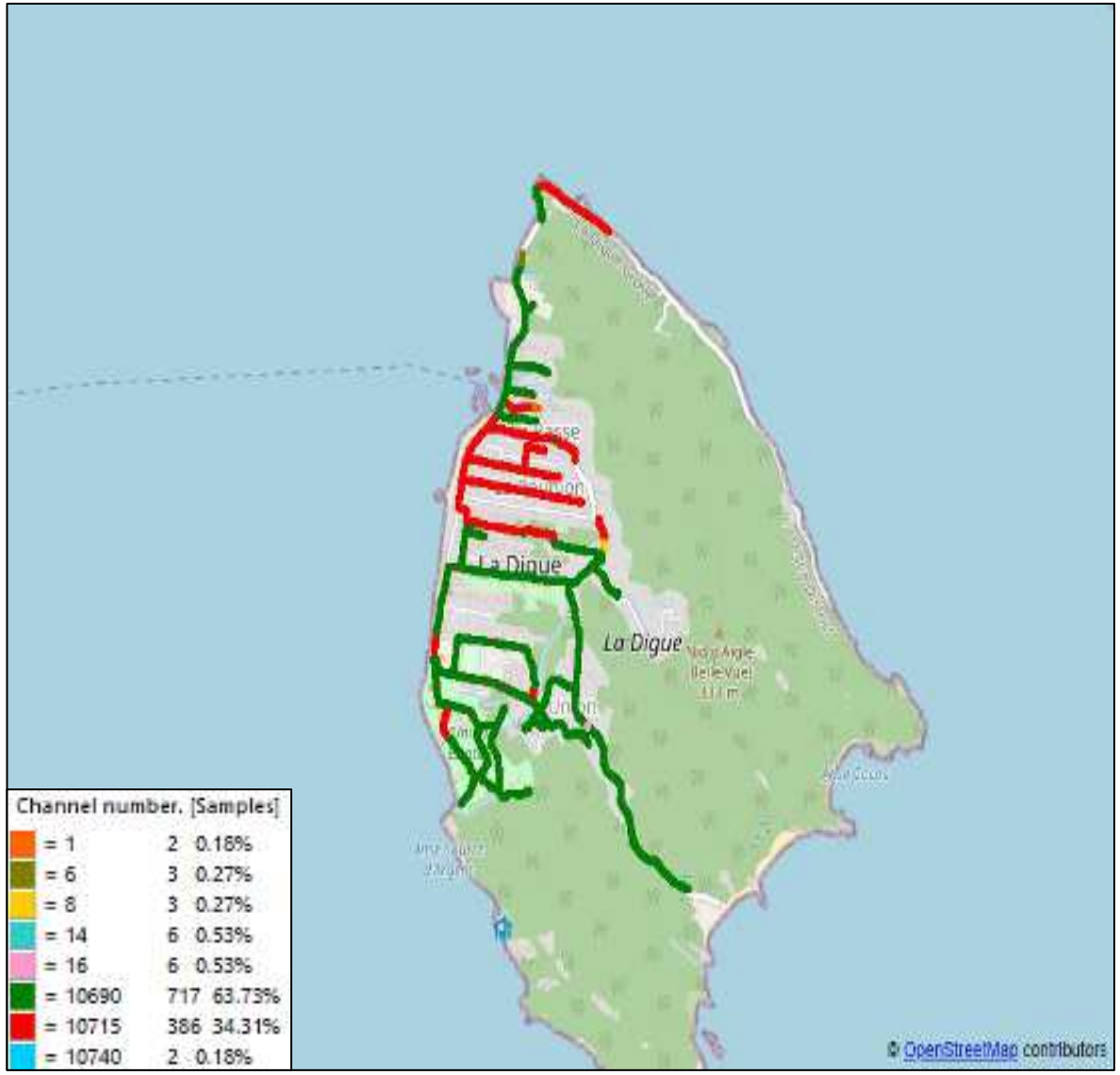


Phase-2 3G PREFERRED DATA TEST - UARFCN PLOT

Airtel Data 3G



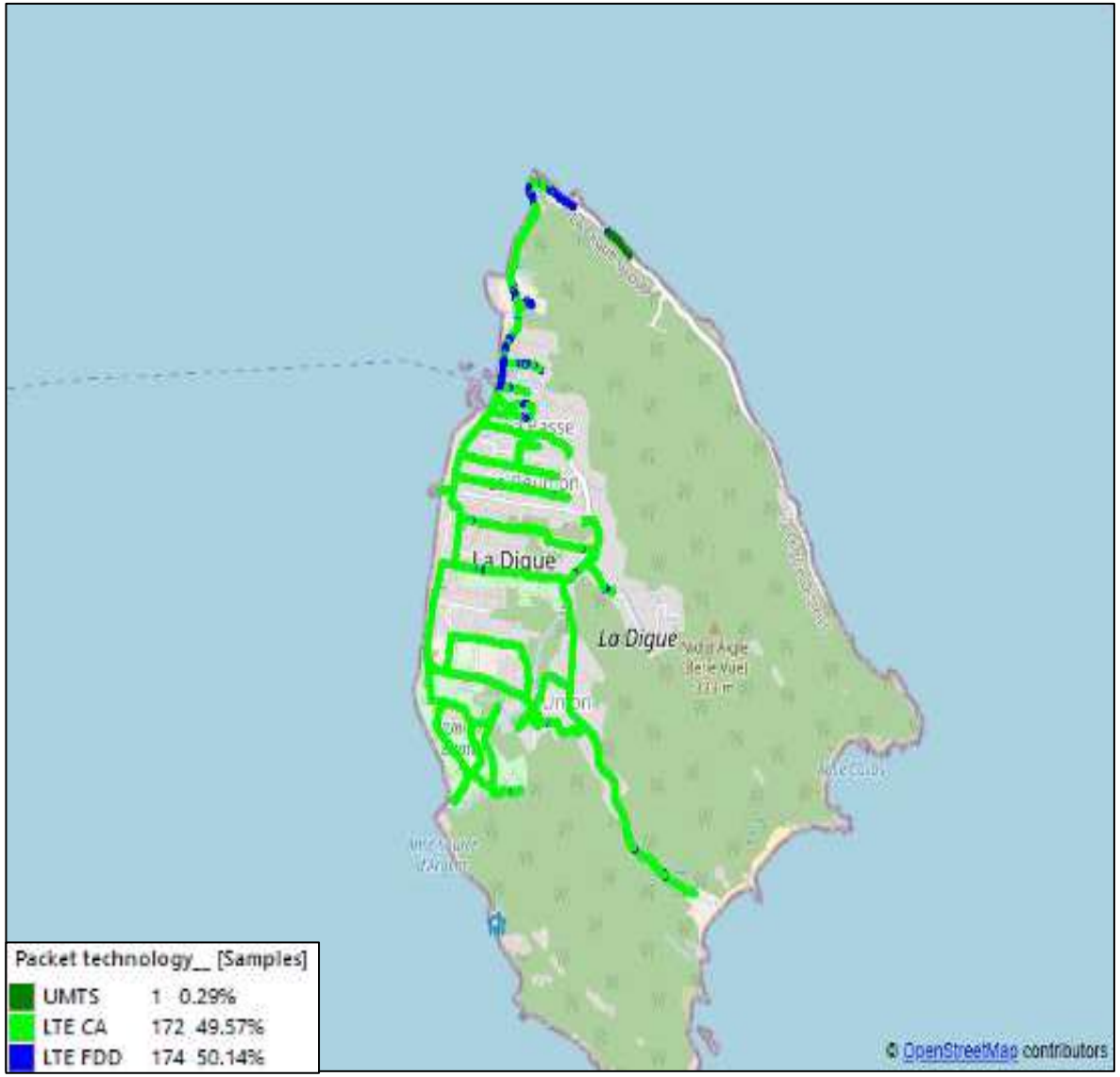
CWS Data 3G



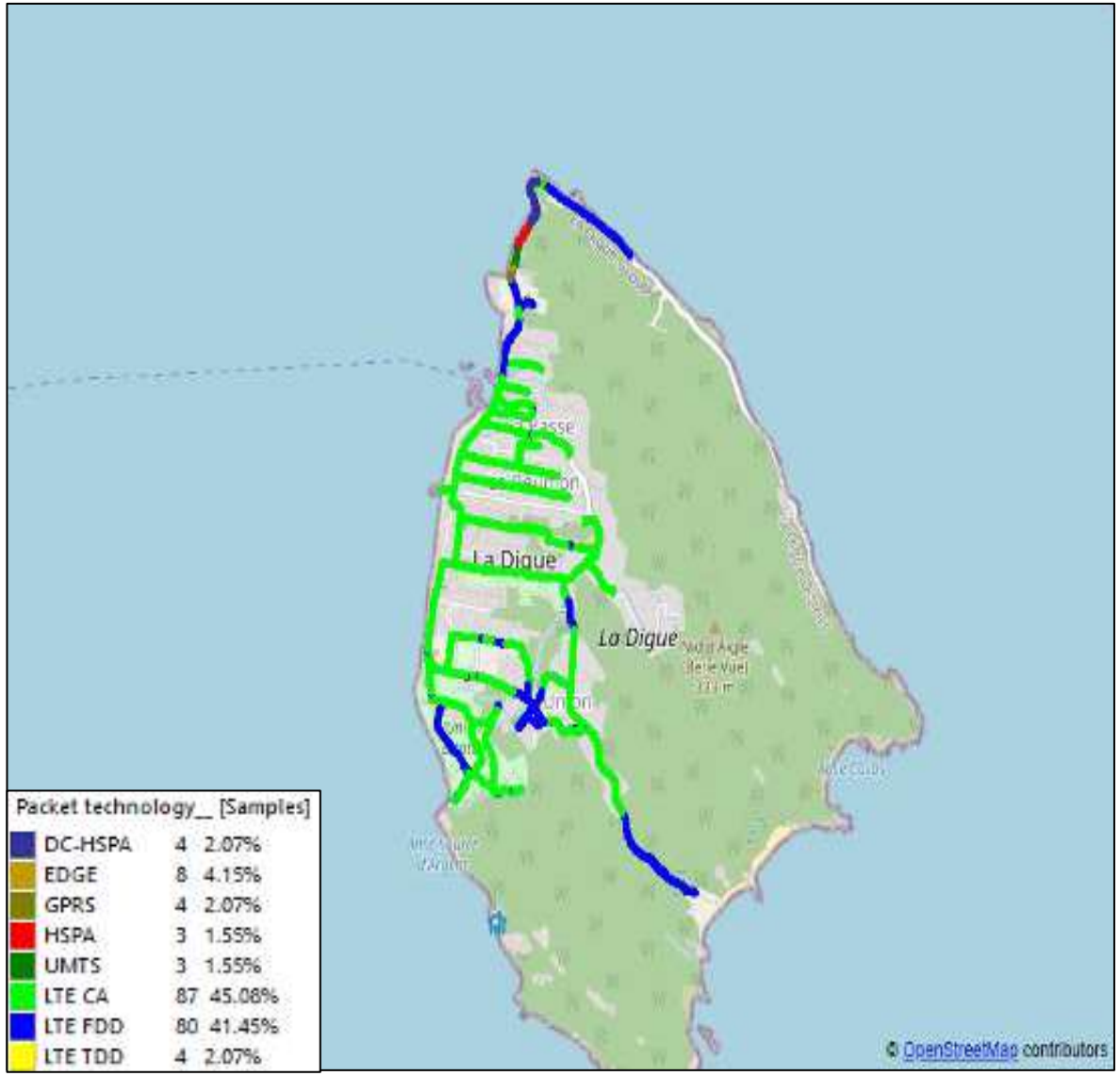
4G PREFERRED
DATA DRIVE PLOTS

Phase-1 4G PREFERRED DATA TEST - TECHNOLOGY PLOT

Airtel Data 4G

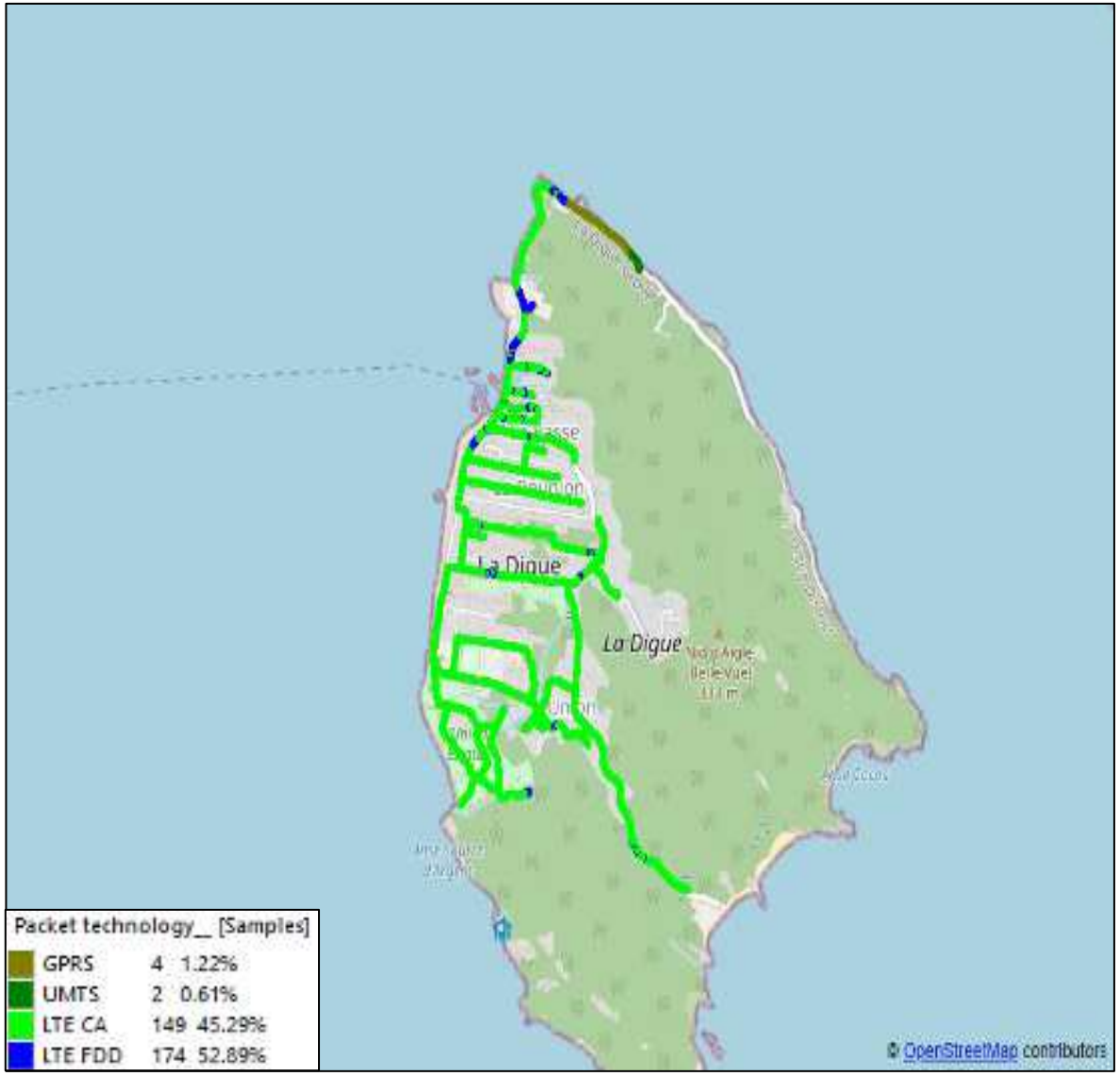


CWS Data 4G

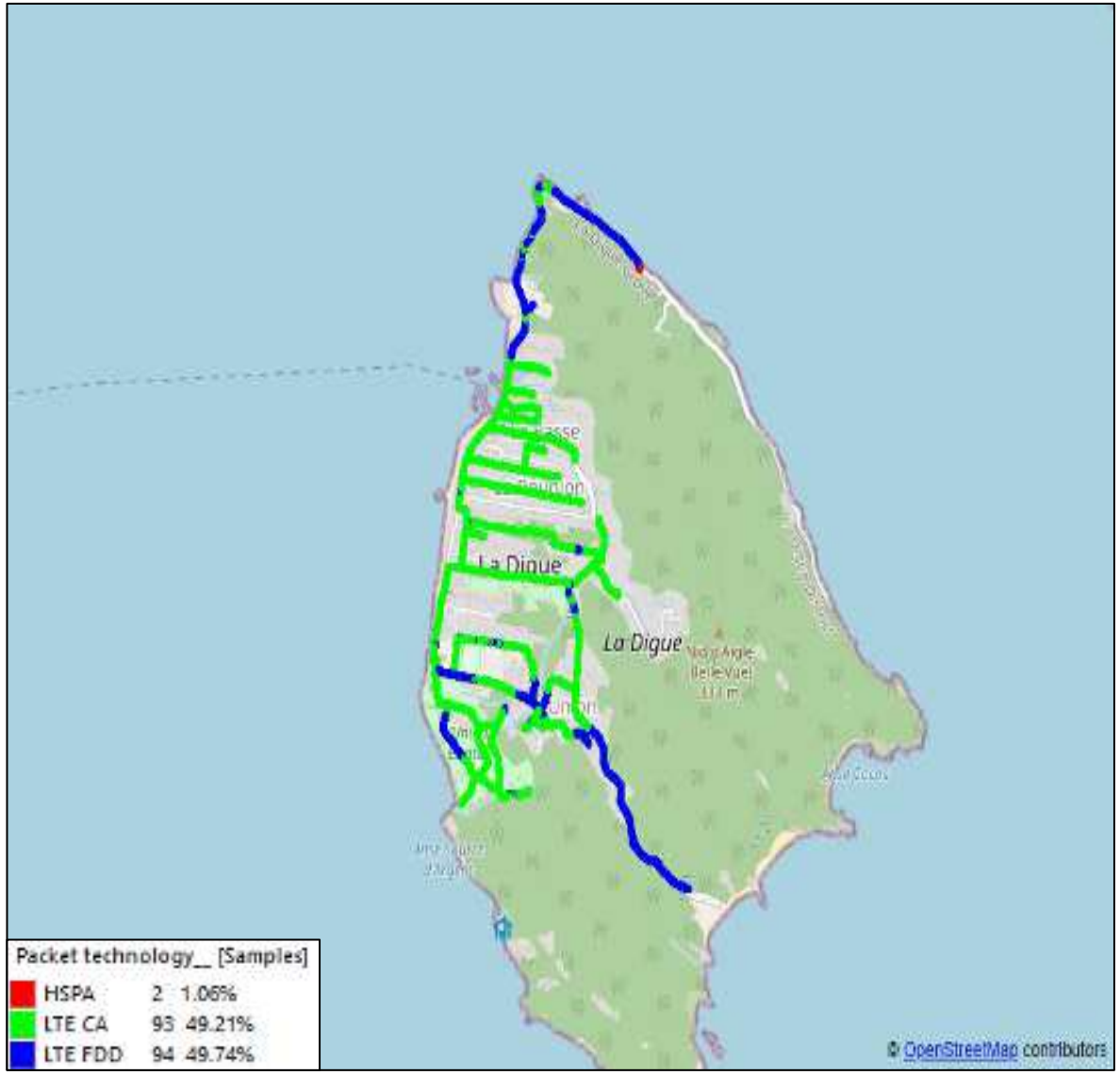


Phase-2 4G PREFERRED DATA TEST - TECHNOLOGY PLOT

Airtel Data 4G

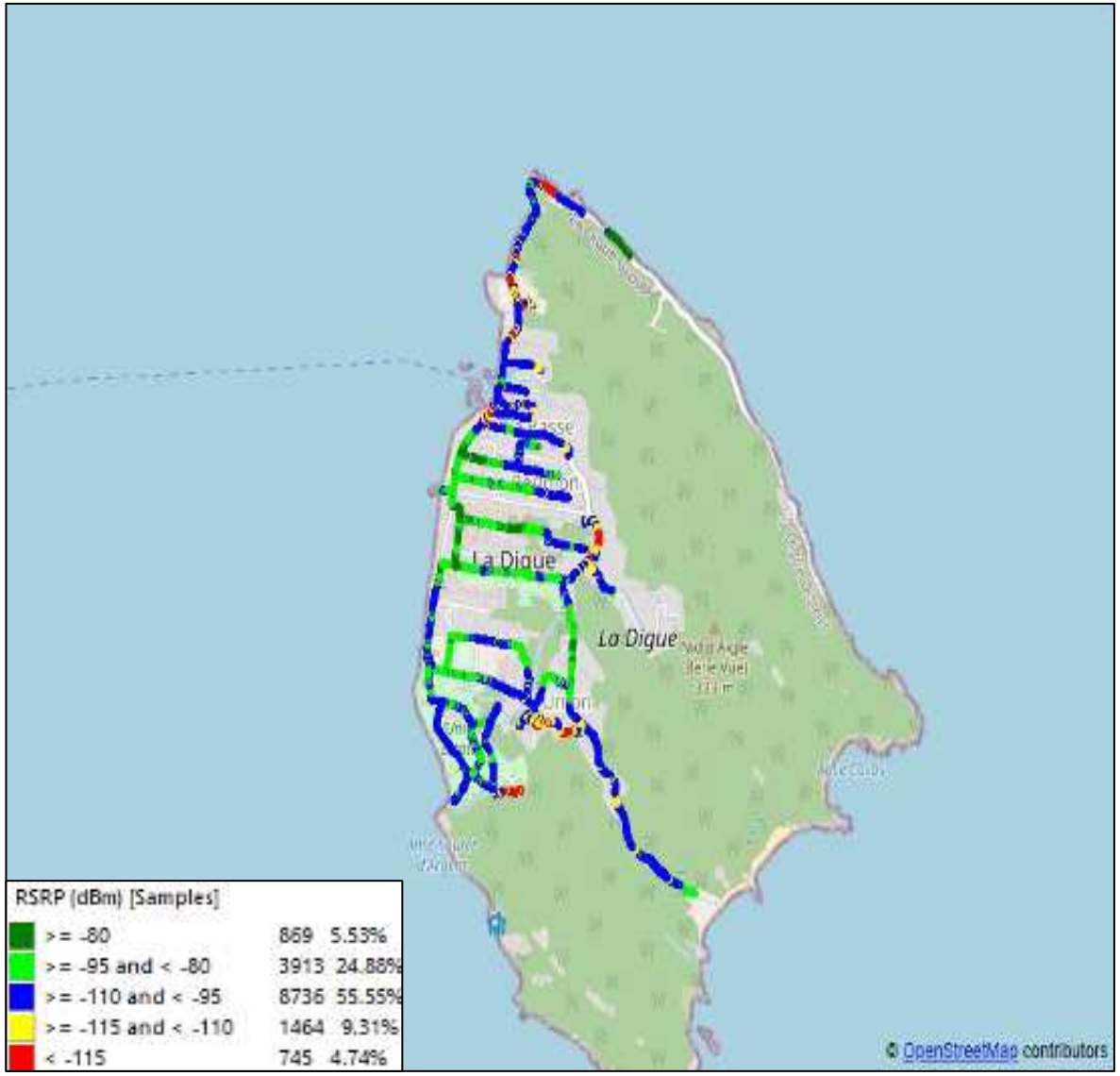


CWS Data 4G

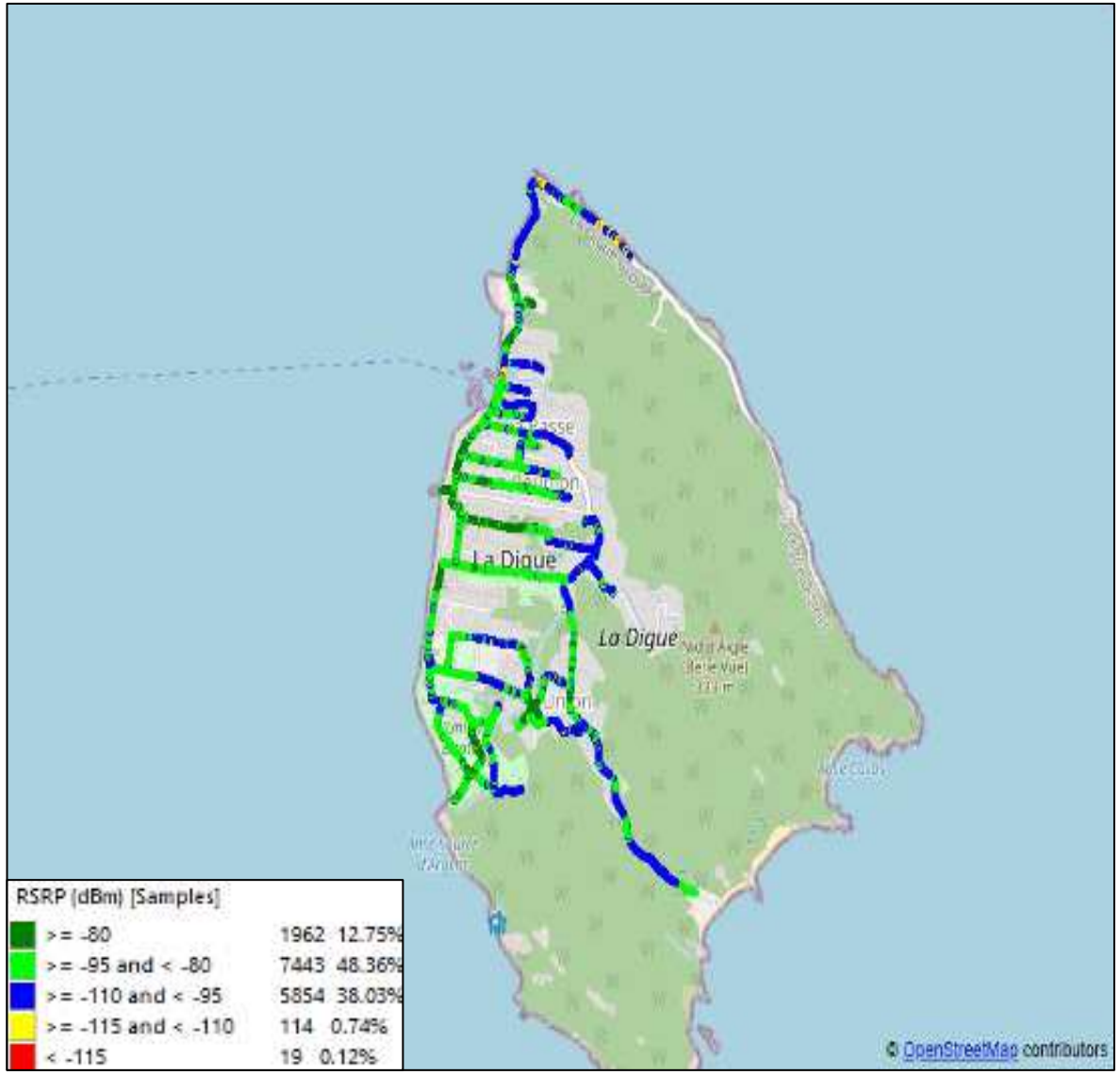


Phase-1 4G PREFERRED DATA TEST - RSRP PLOT

Airtel Data 4G

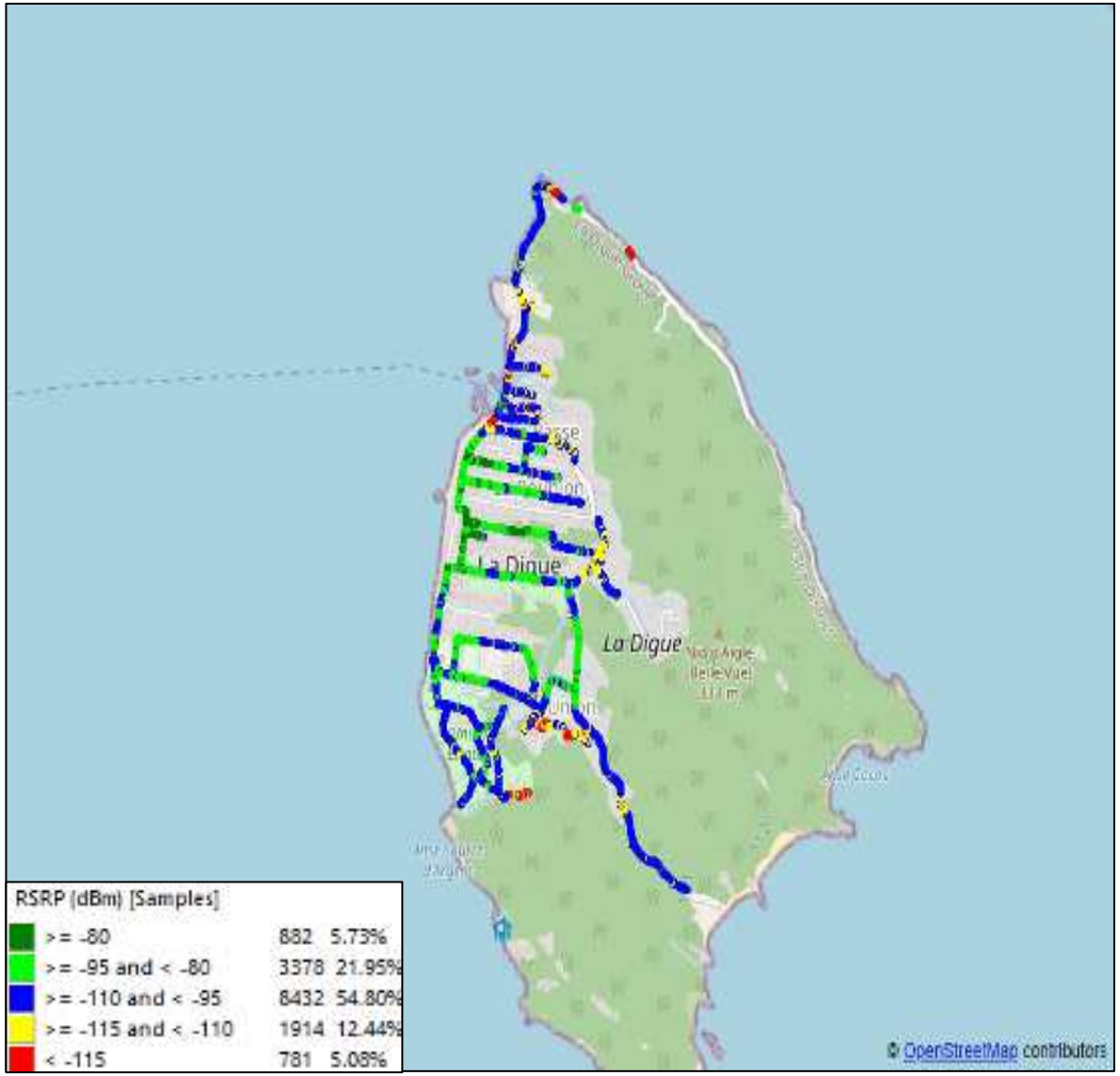


CWS Data 4G

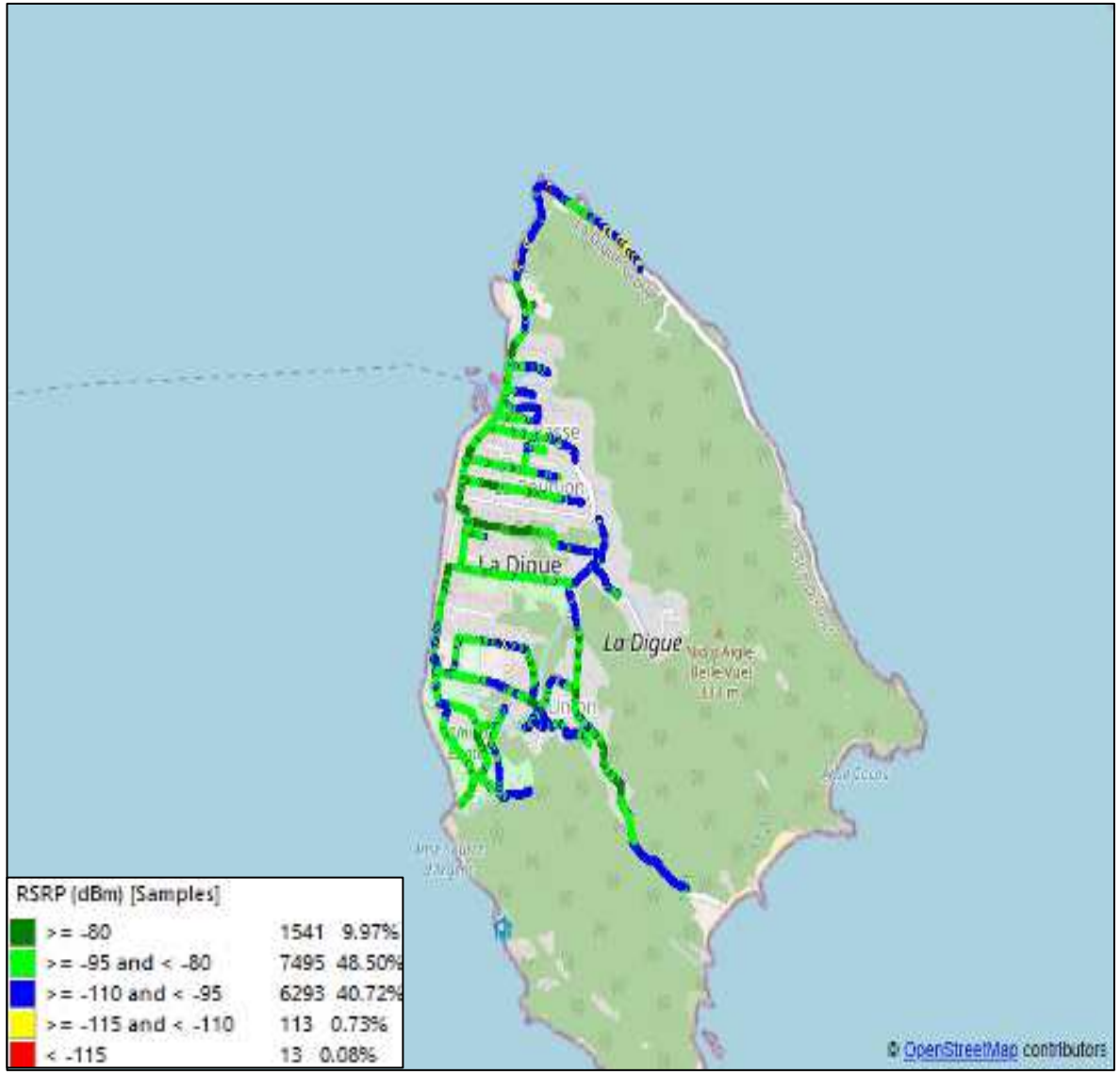


Phase-2 4G PREFERRED DATA TEST - RSRP PLOT

Airtel Data 4G

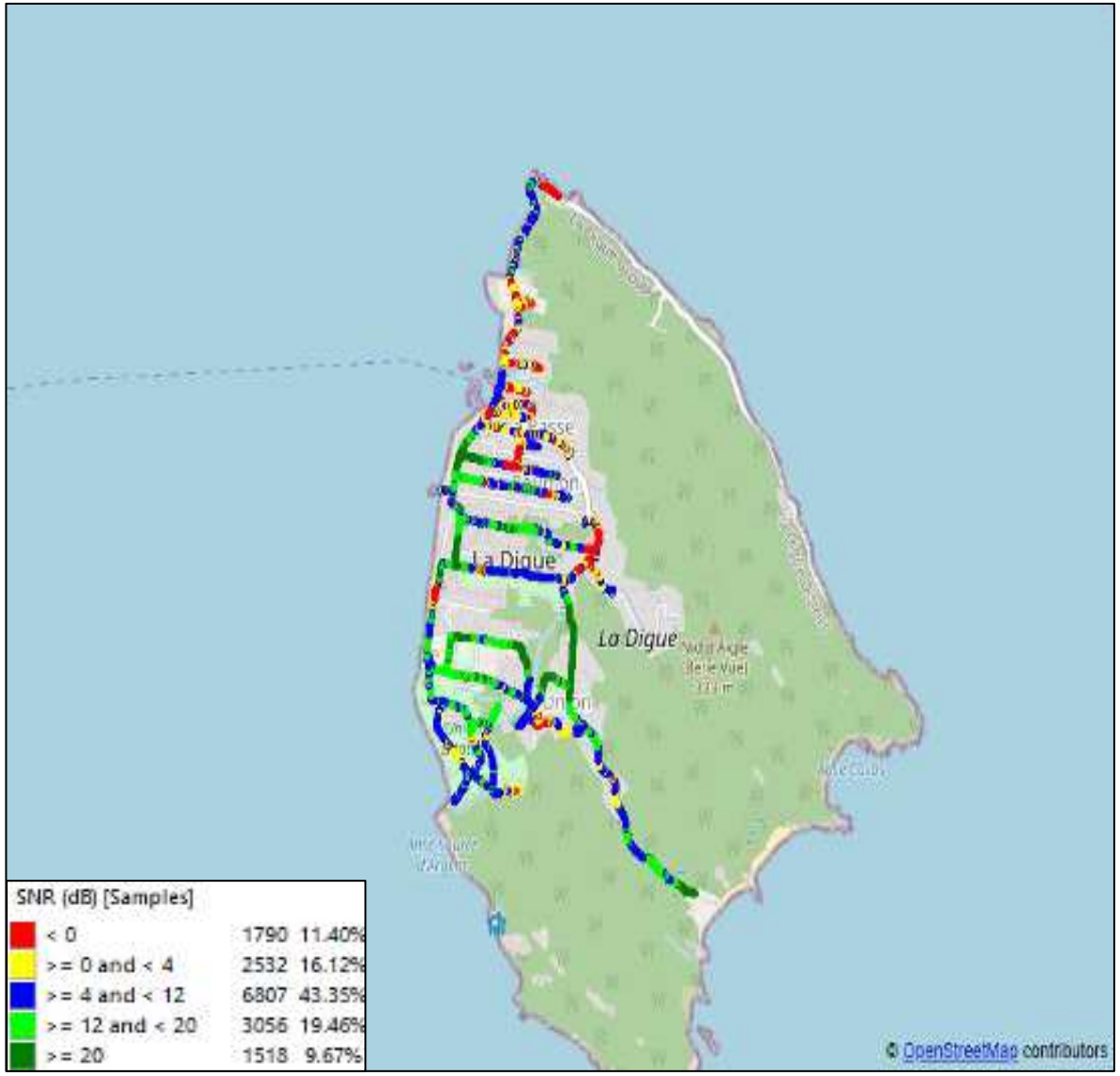


CWS Data 4G

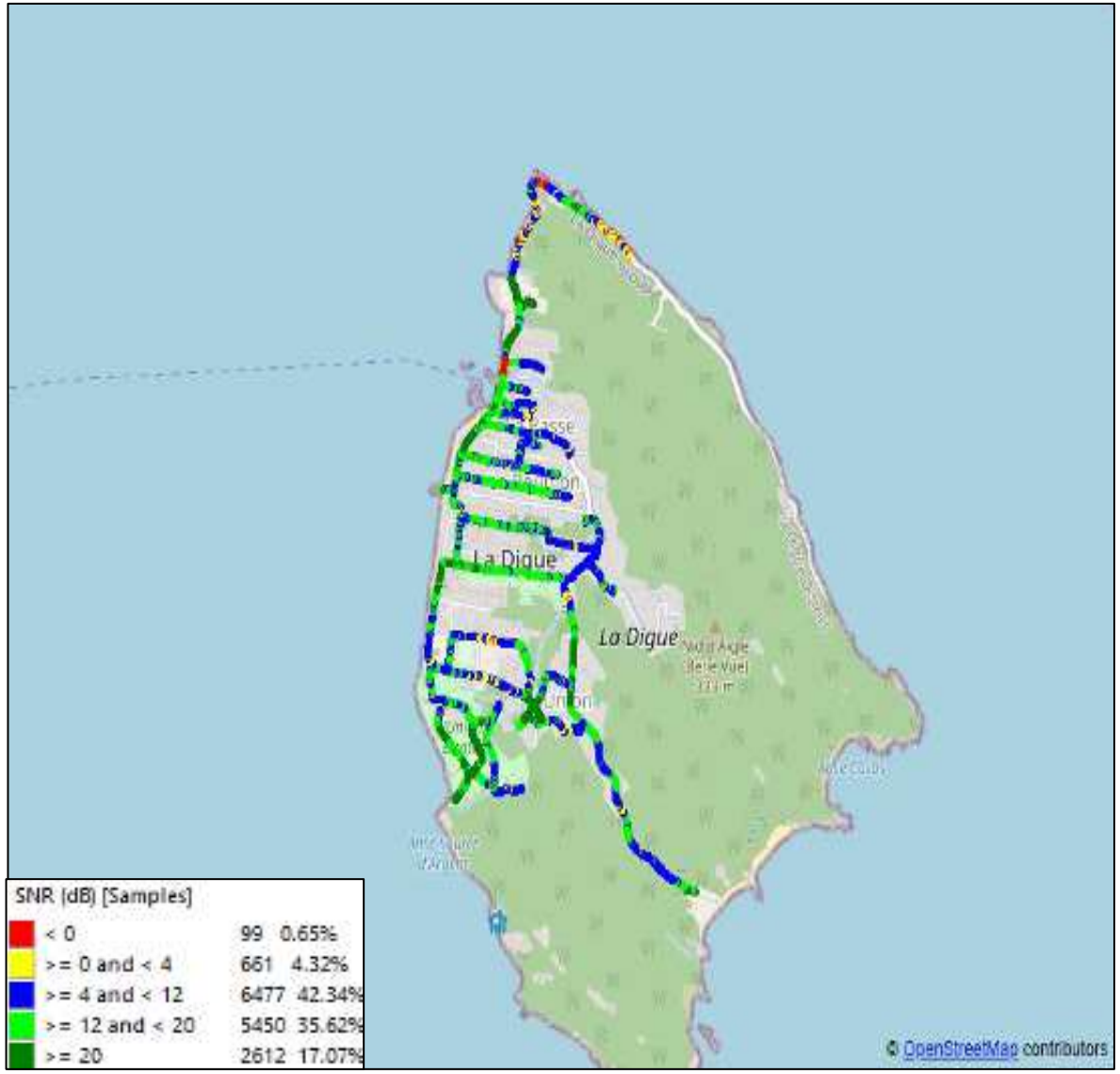


Phase-1 4G PREFERRED DATA TEST - SINR PLOT

Airtel Data 4G

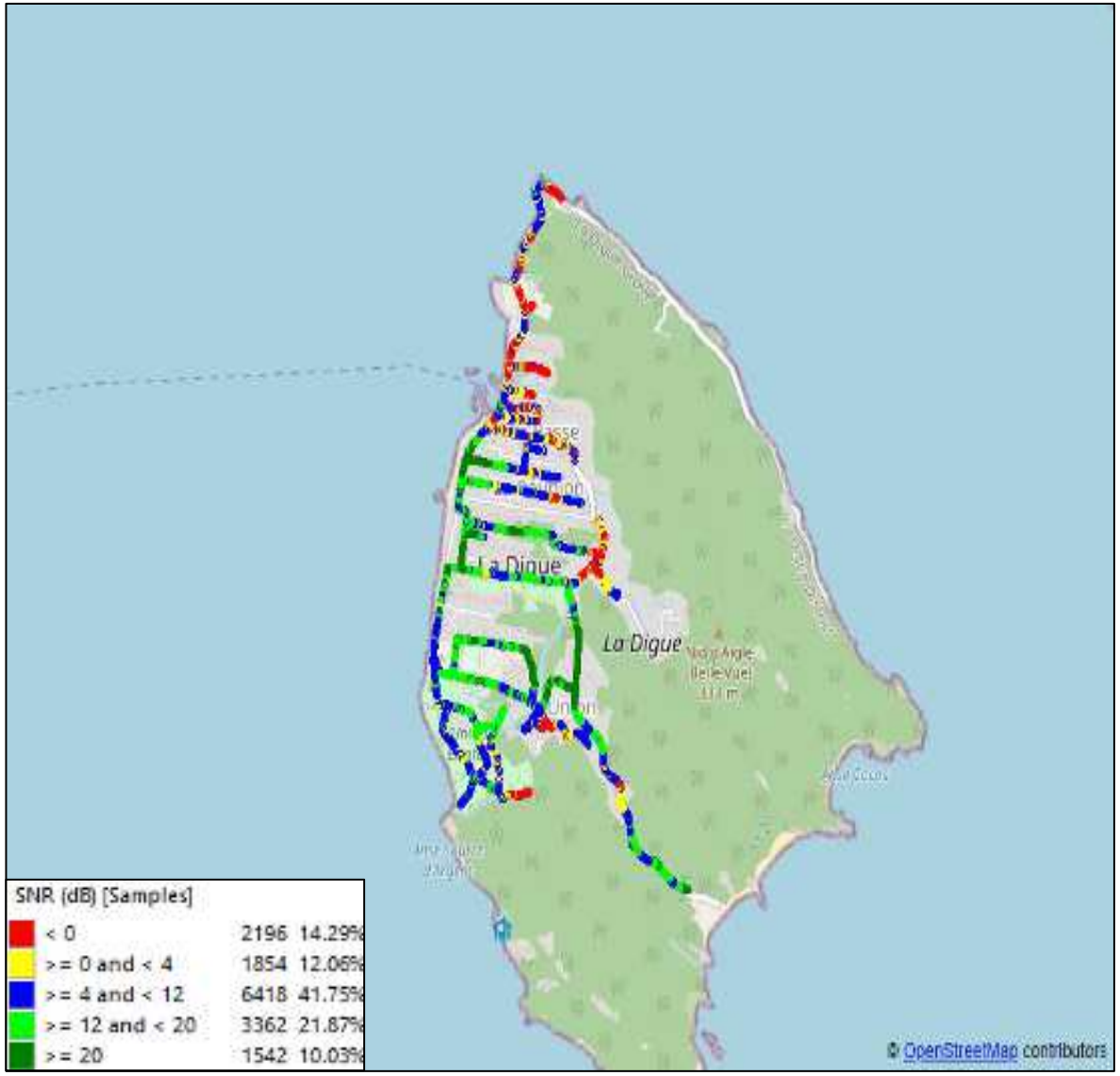


CWS Data 4G

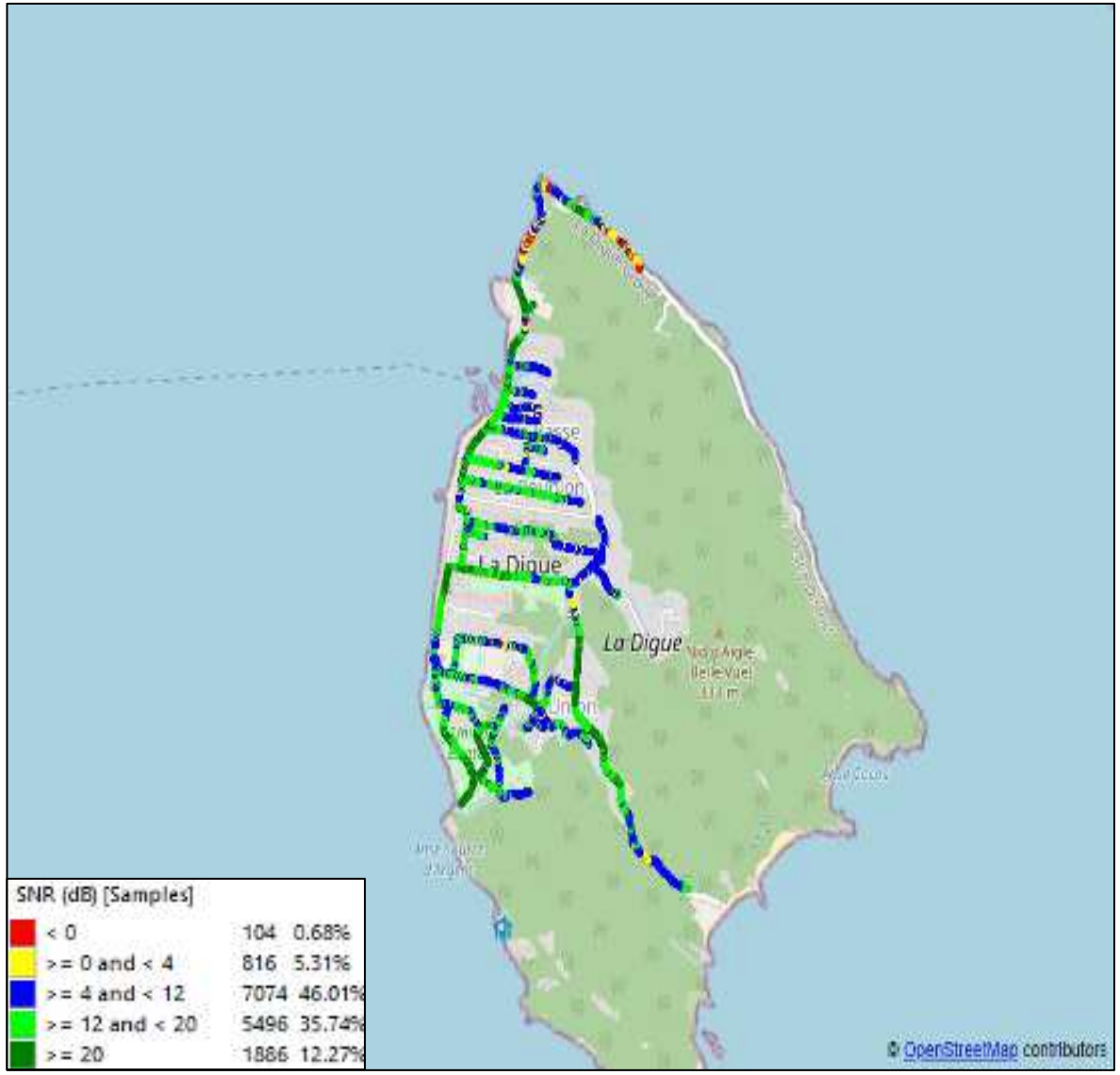


Phase-2 4G PREFERRED DATA TEST - SINR PLOT

Airtel Data 4G

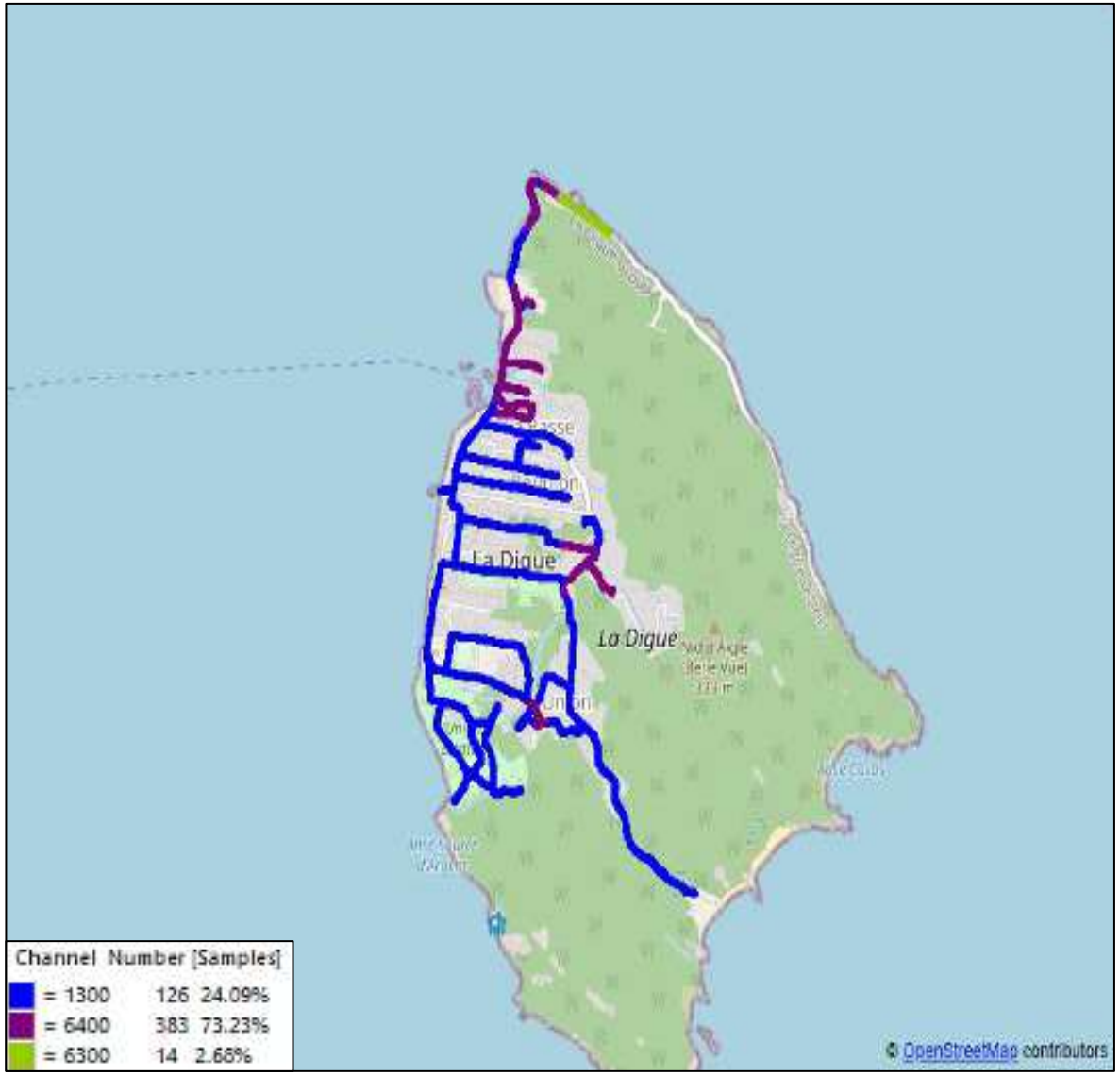


CWS Data 4G

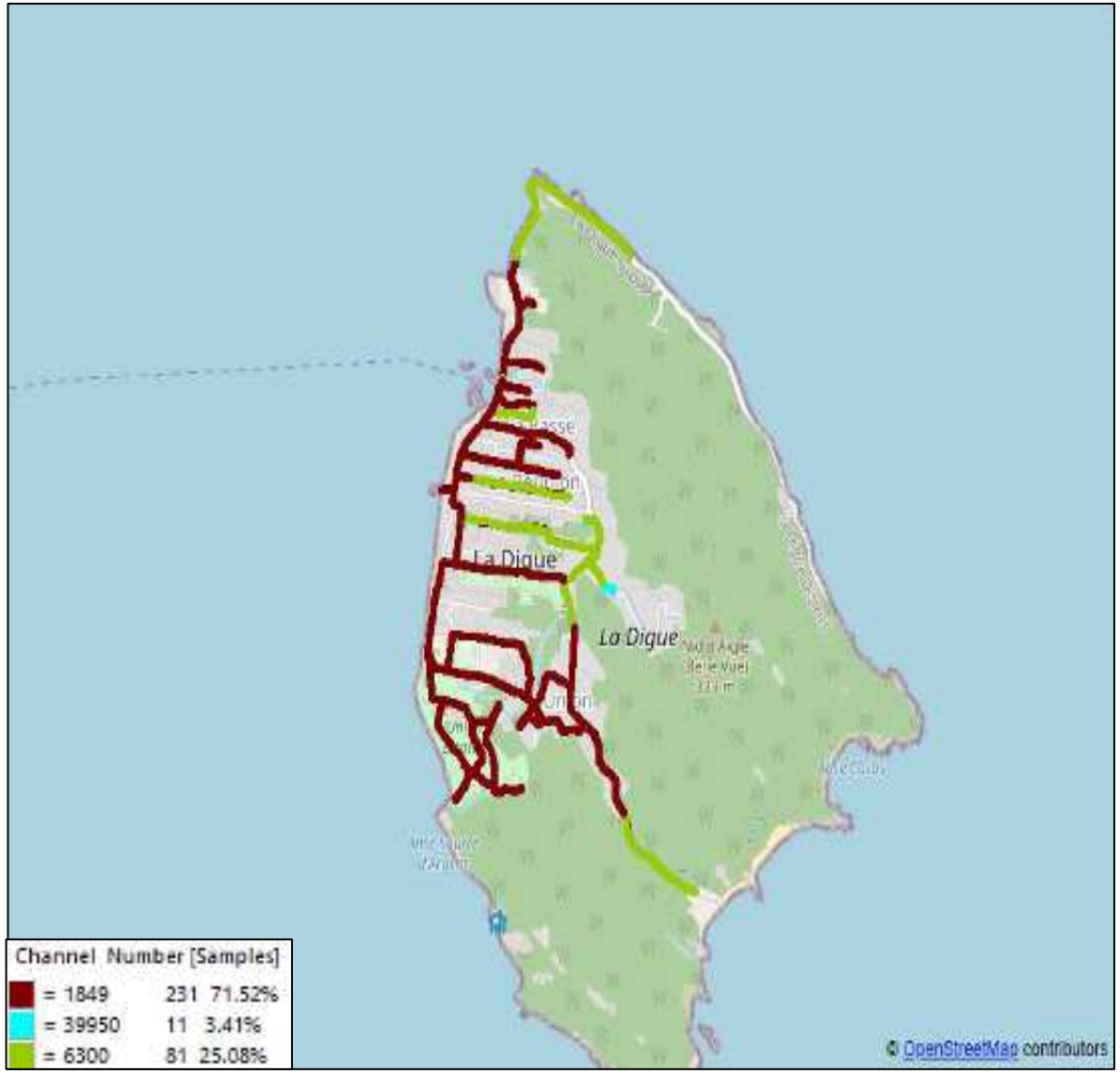


Phase-1 4G PREFERRED DATA TEST - FREQUENCY BAND PLOT

Airtel Data 4G

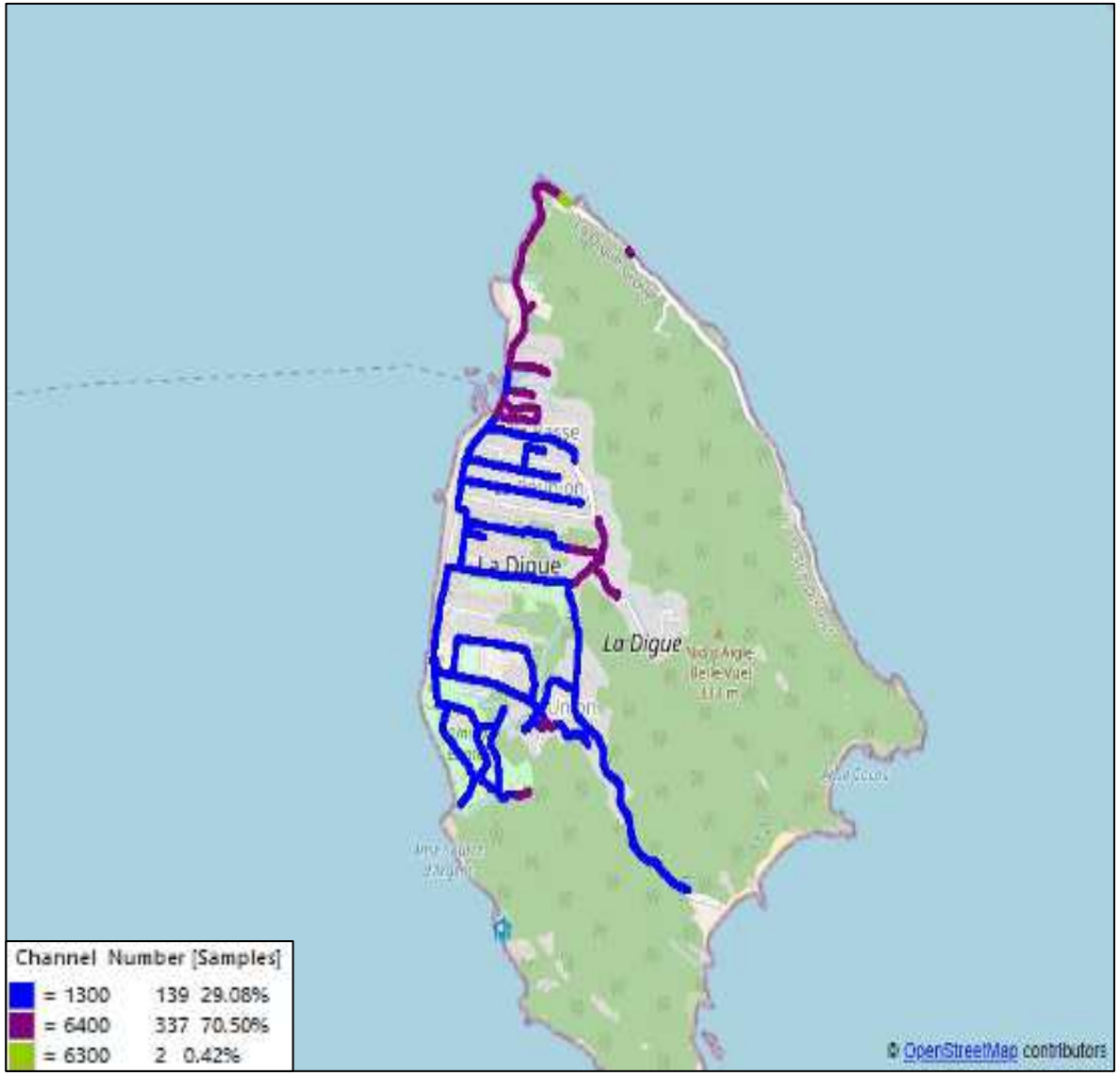


CWS Data 4G

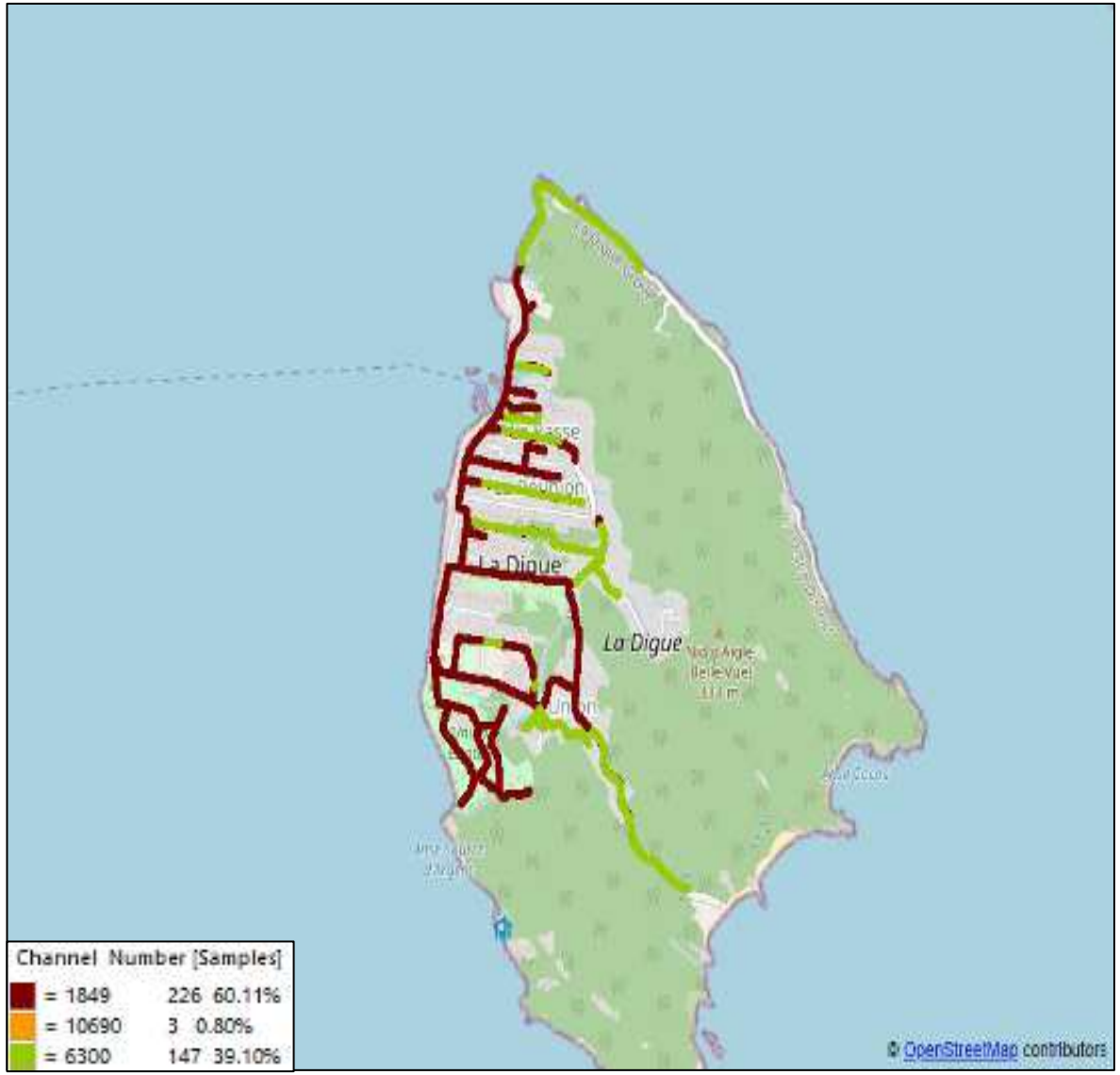


Phase-2 4G PREFERRED DATA TEST - FREQUENCY BAND PLOT

Airtel Data 4G

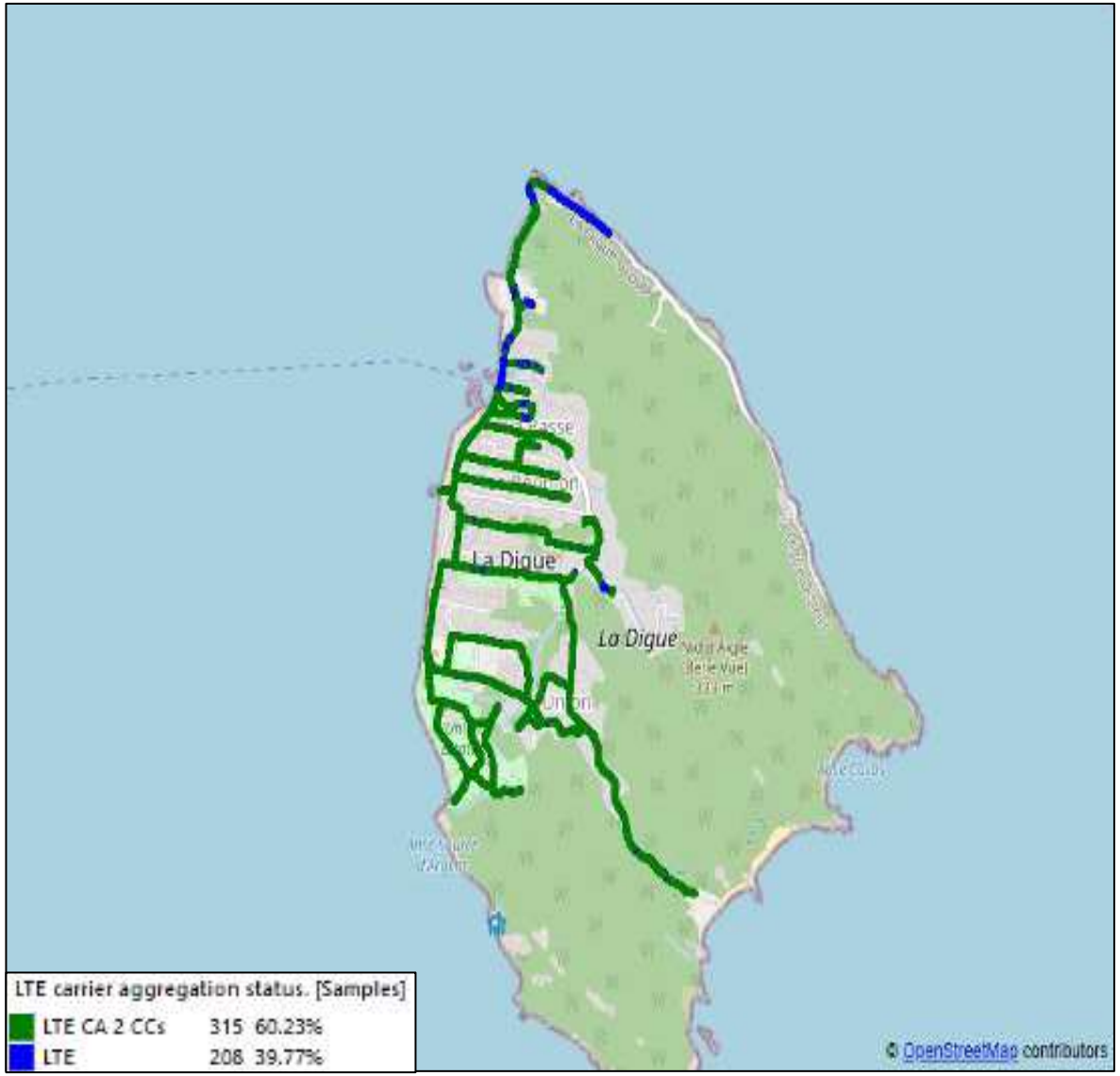


CWS Data 4G

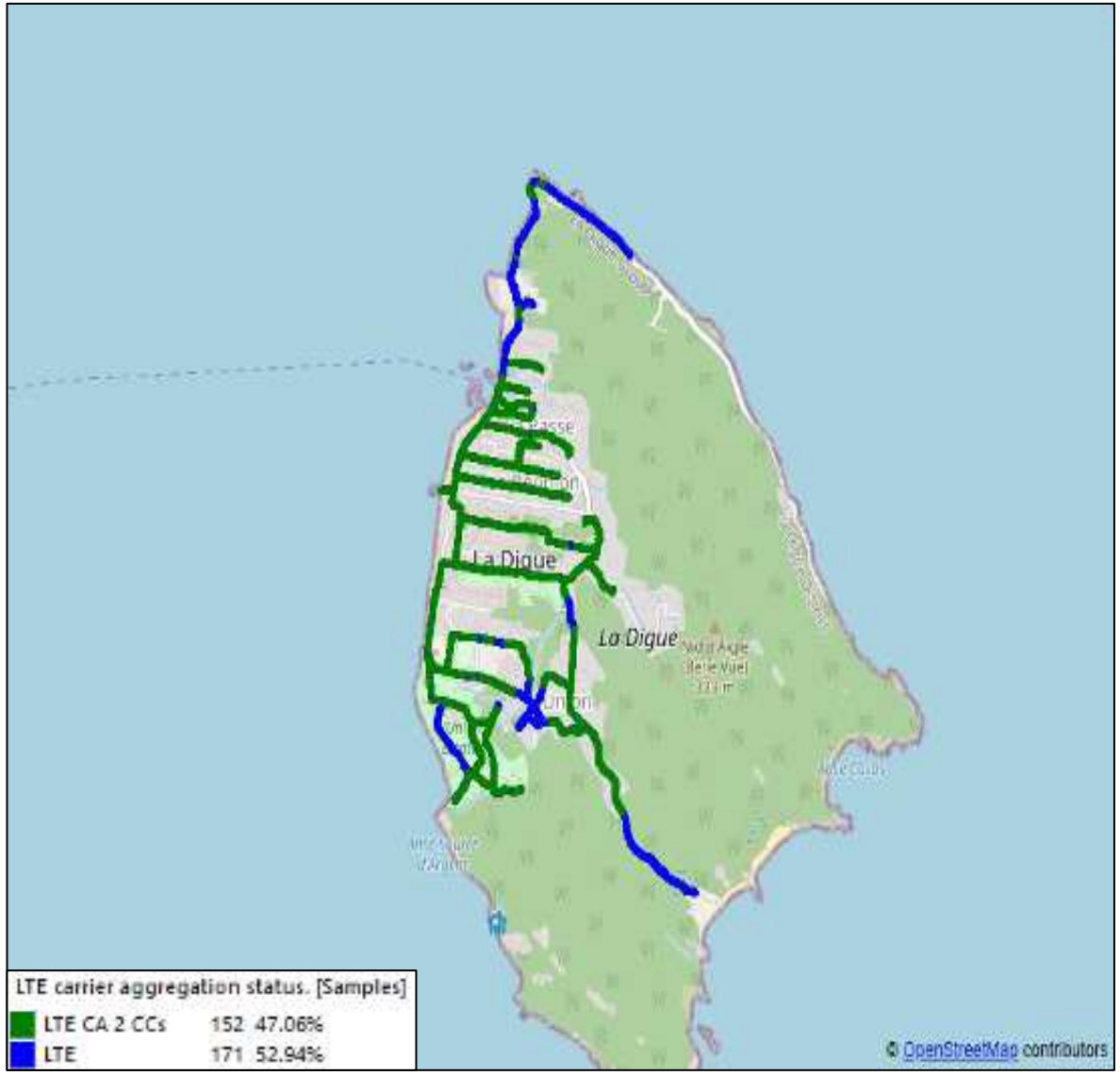


Phase-1 4G PREFERRED DATA TEST - CARRIER AGGREGATION PLOT

Airtel Data 4G

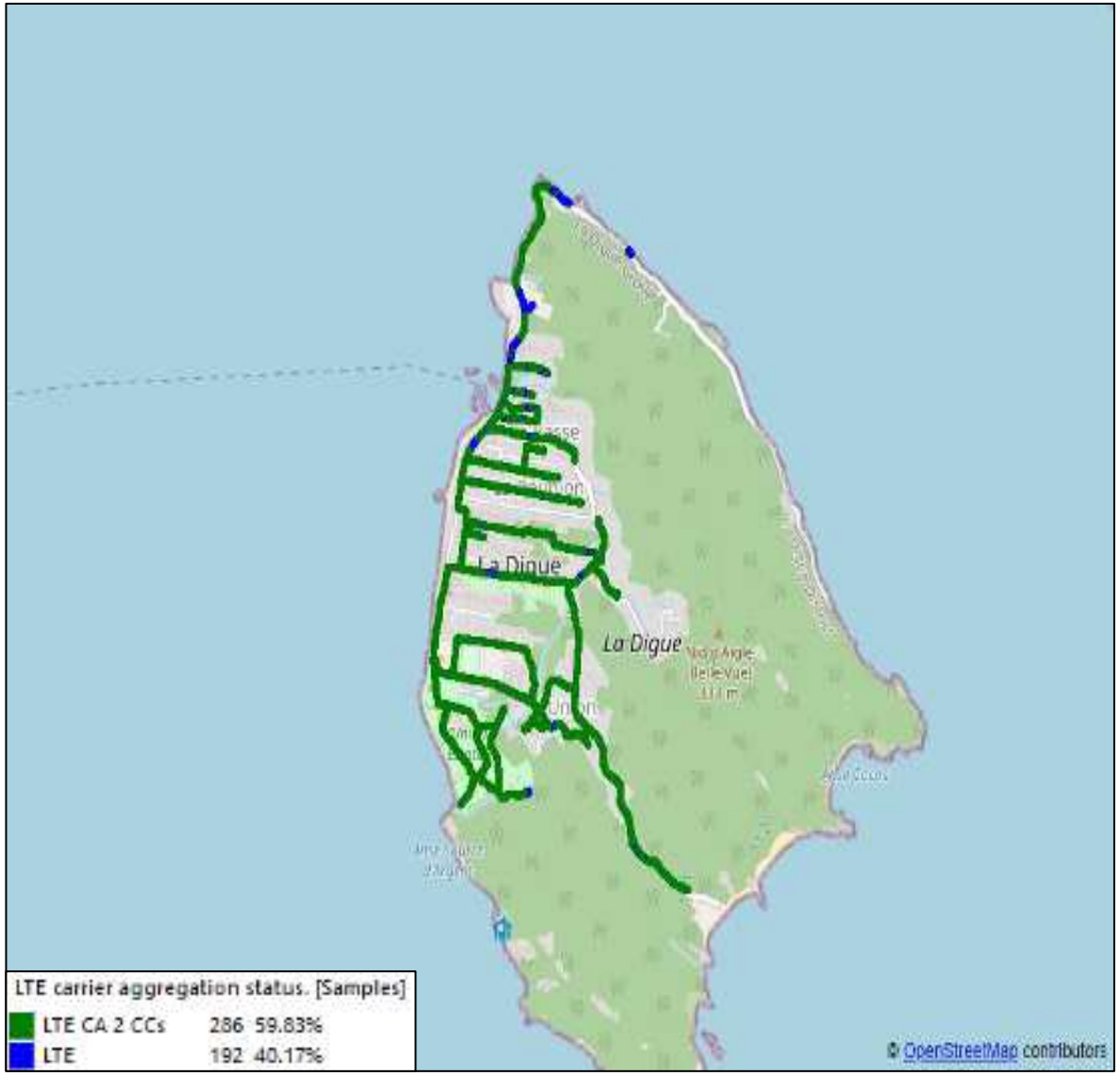


CWS Data 4G

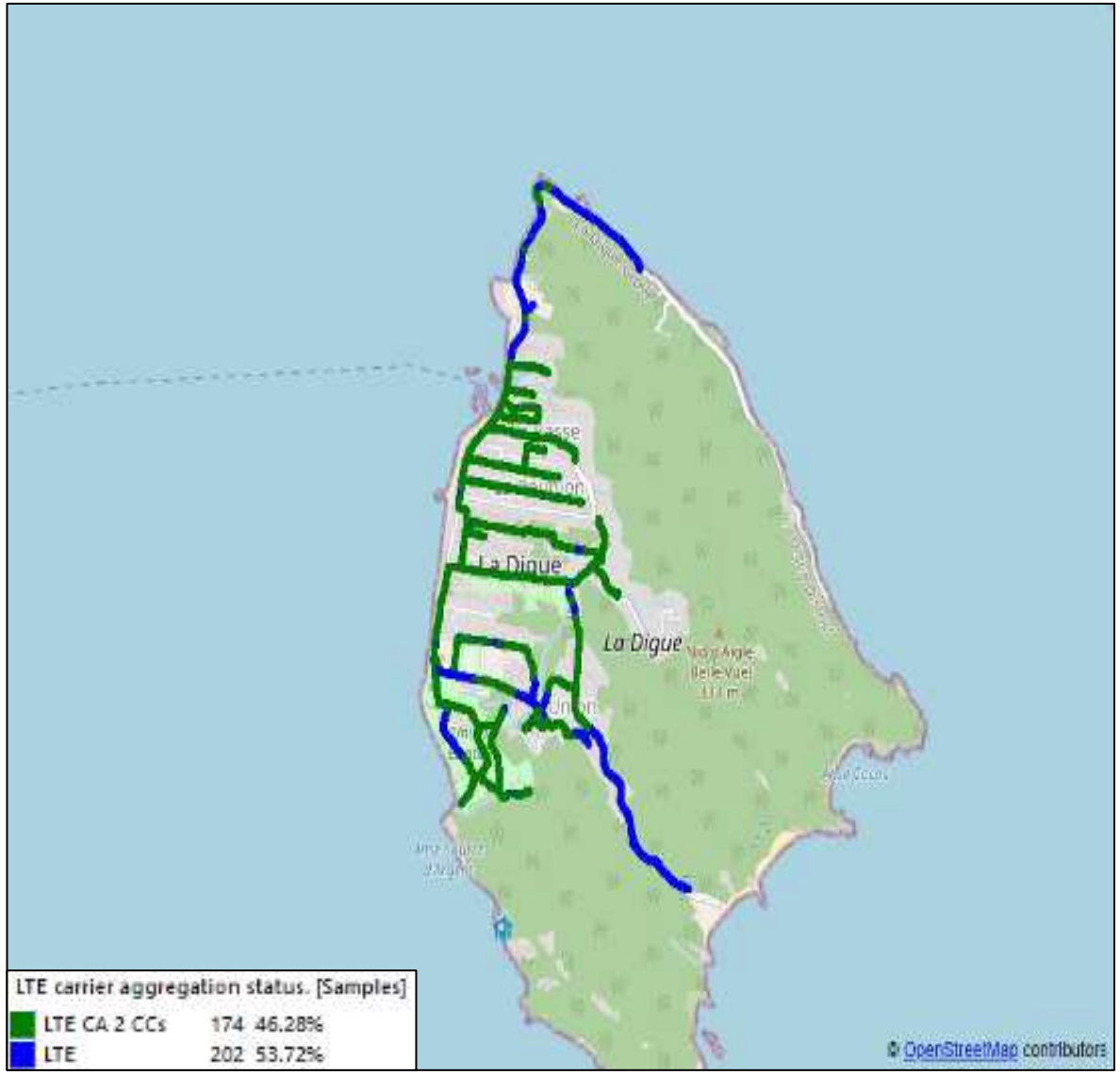


Phase-2 4G PREFERRED DATA TEST - CARRIER AGGREGATION PLOT

Airtel Data 4G

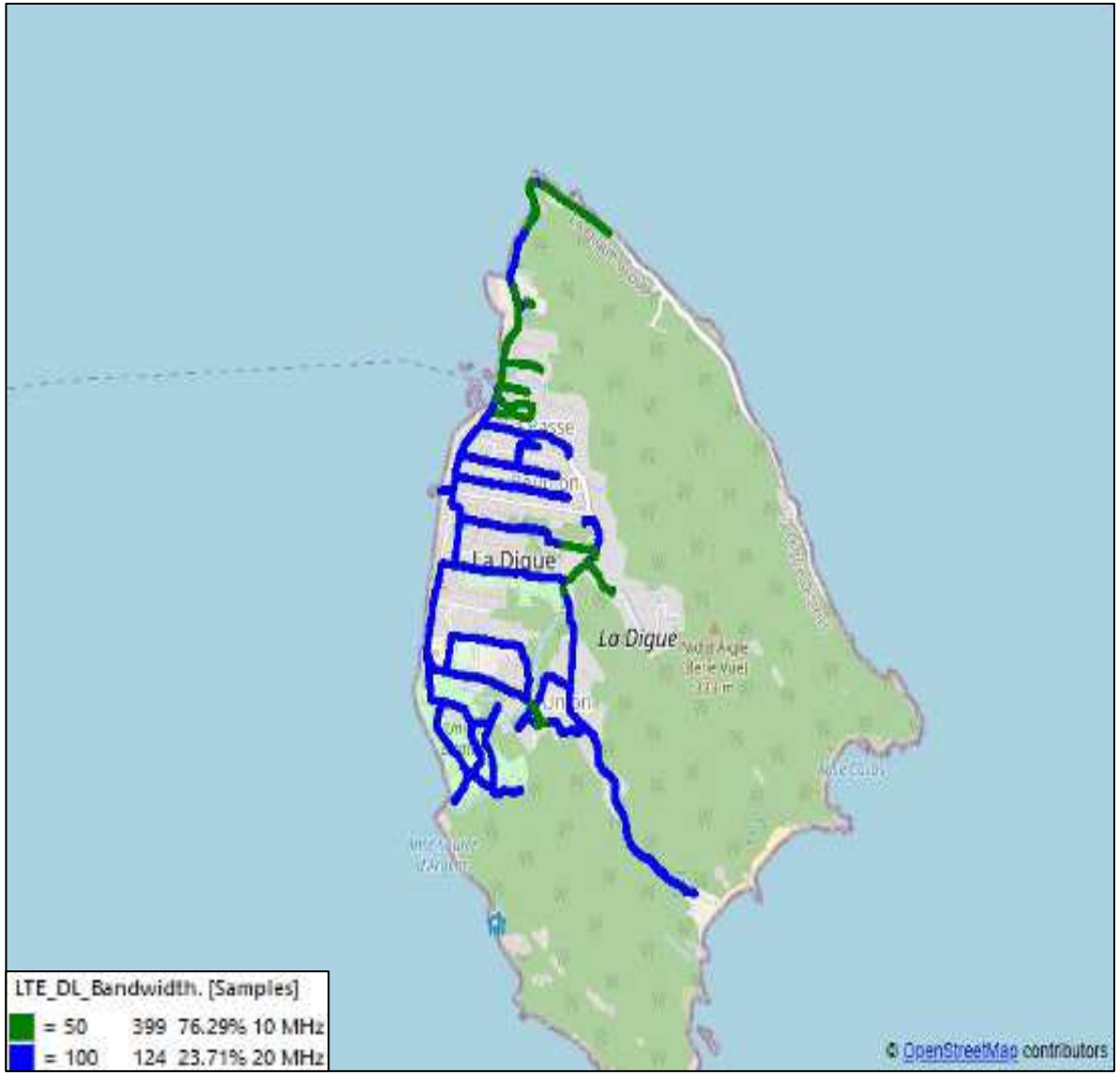


CWS Data 4G

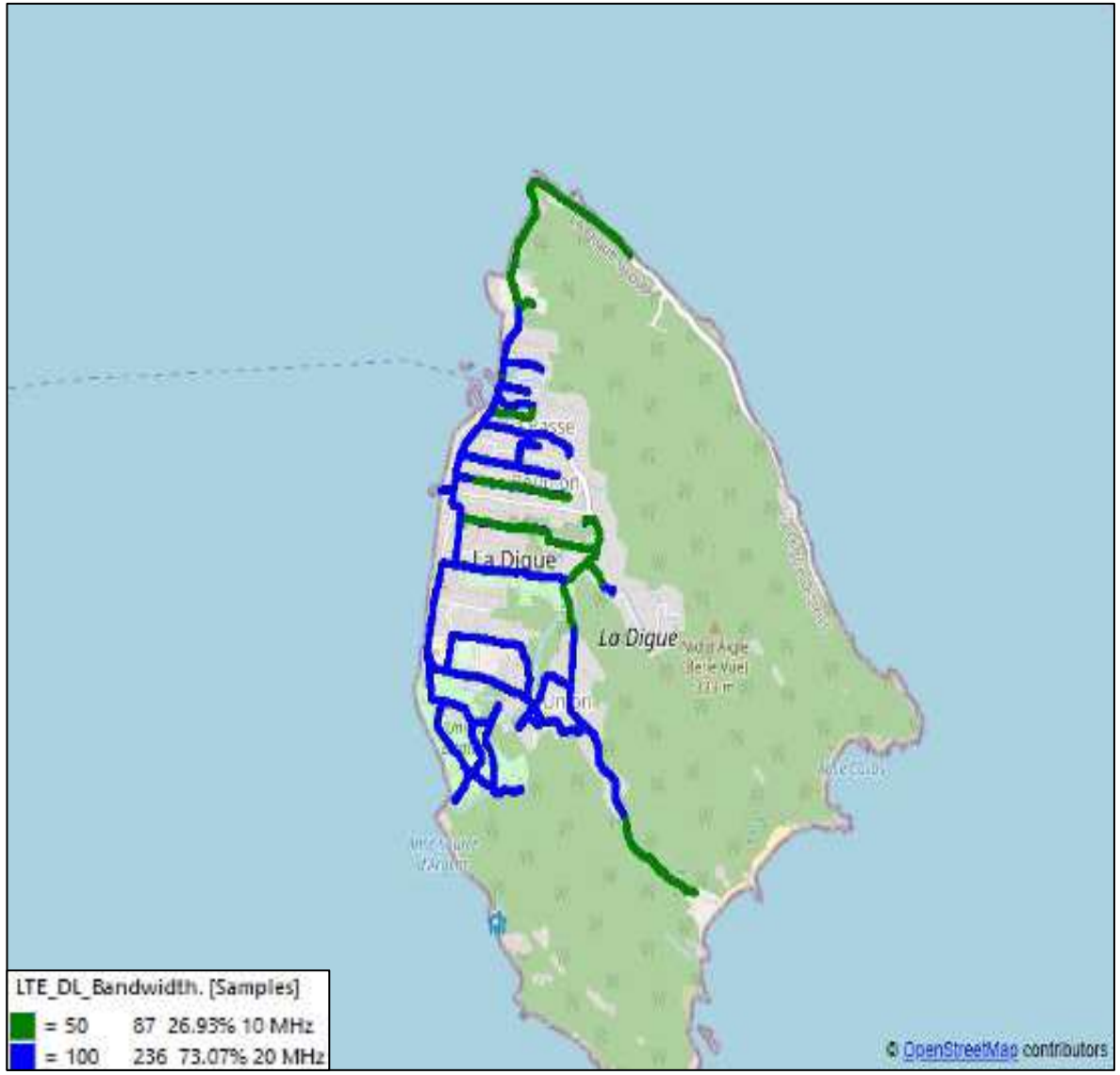


Phase-1 4G PREFERRED DATA TEST – BANDWIDTH PLOT

Airtel Data 4G

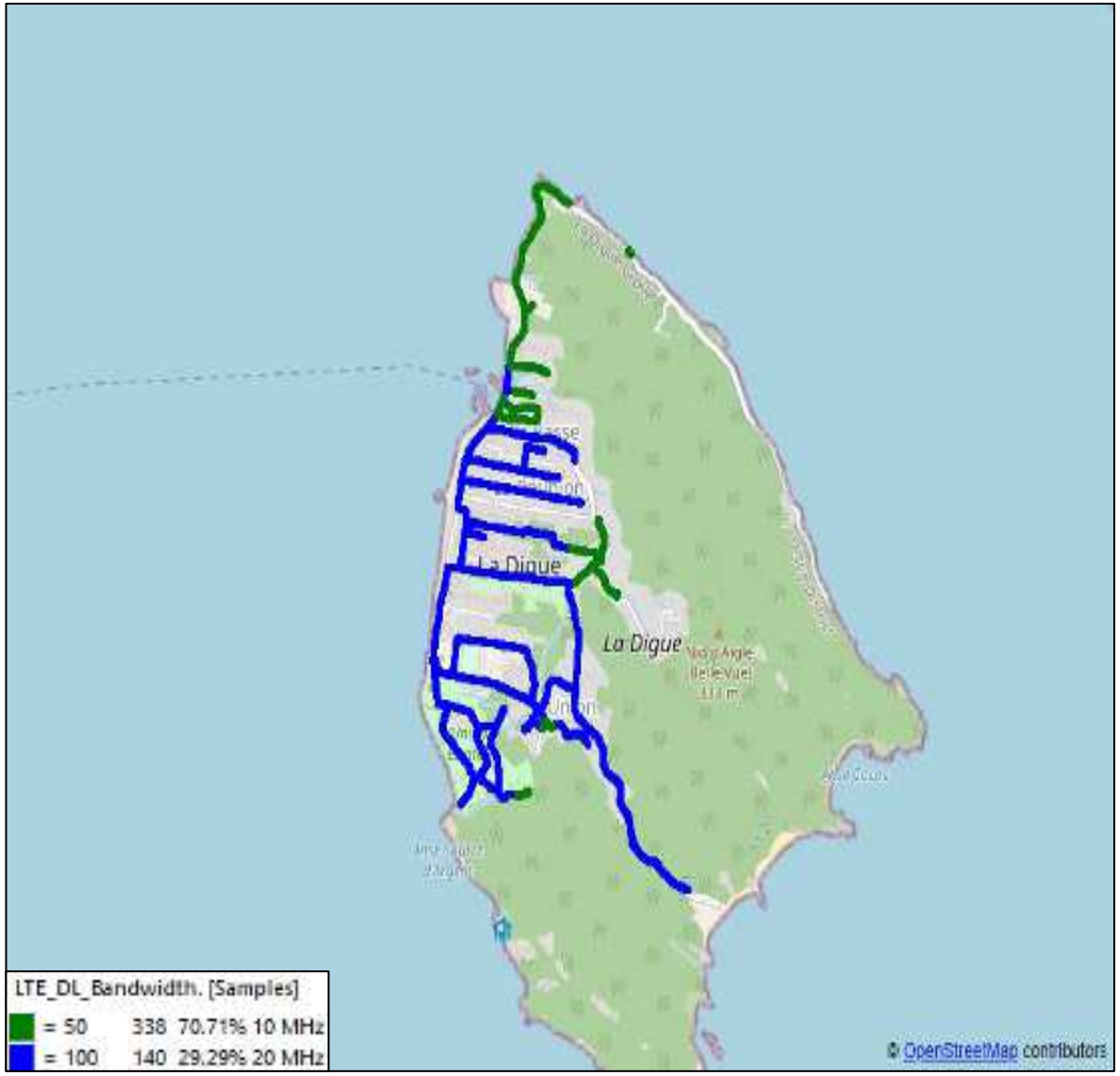


CWS Data 4G

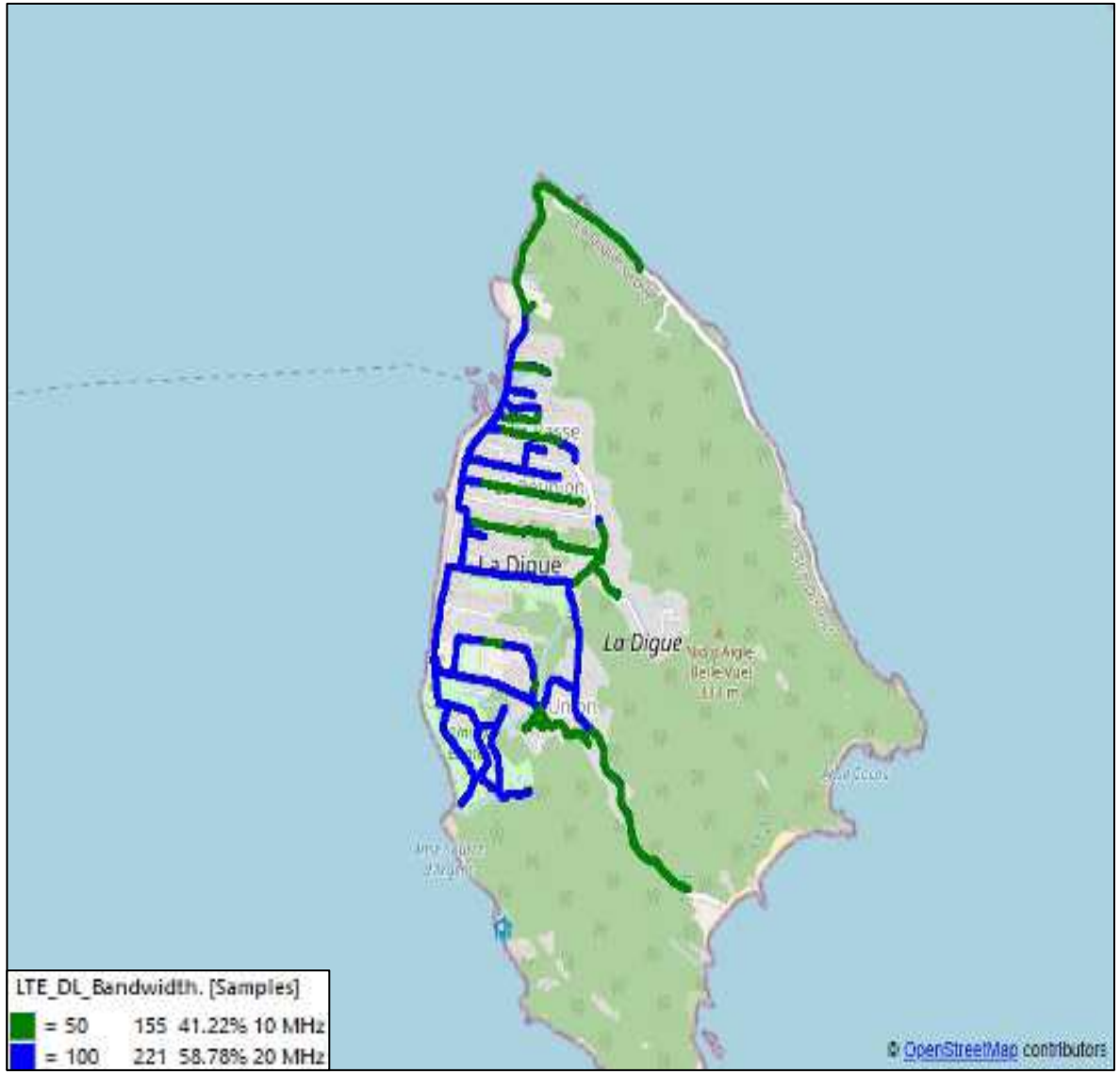


Phase-2 4G PREFERRED DATA TEST – BANDWIDTH PLOT

Airtel Data 4G



CWS Data 4G



Negative Event Analysis

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

Call Attempt Failure cause from Airtel	Count
Total Call Attempt Failure	**2**
Network End	2

Call Attempt Failure cause from CWS	Count
Total Call Attempt Failure	**0**

Call Drop cause from Airtel	Count
Total Call Drop	

Call Drop cause from CWS	Count
Total Call Drop	**2**
Poor Quality	2

Call Attempt Failure Analysis 1 From MS5 Airtel MO

	Time	System	Serving band	
1.	12:14:40.206	UMTS FDD	2100	Tim
2.	12:26:20.113	UMTS FDD	2100	Tim

	1. best active RSCP	Time	Ch	SC	1. best active Ec/N0
7789.	-85	12:14:34.885	10588	33	
7790.		12:14:34.885	10588	33	-9.7
7791.	-79.4	12:14:35.418	10588	33	
7792.		12:14:35.418	10588	33	-7.7
7793.	-74.5	12:14:36.045	10588	33	
7794.		12:14:36.045	10588	33	-4.5
7795.	-71.6	12:14:36.695	10588	33	
7796.		12:14:36.695	10588	33	-4
7797.	-75.5	12:14:37.038	10588	33	
7798.		12:14:37.038	10588	33	-4.7
7799.	-72	12:14:37.506	10588	33	
7800.		12:14:37.506	10588	33	-3.8
7801.	-73	12:14:38.056	10588	33	
7802.		12:14:38.056	10588	33	-6.3
7803.	-72.9	12:14:38.553	10588	33	
7804.		12:14:38.553	10588	33	-4.1
7805.	-67.4	12:14:39.154	10588	33	
7806.		12:14:39.154	10588	33	-4.7
7807.	-74.2	12:14:39.596	10588	33	
7808.		12:14:39.596	10588	33	-5.9
7809.	-68.9	12:14:40.206	10588	33	
7810.		12:14:40.206	10588	33	-2.9
7811.	-69.2	12:14:40.694	10588	33	
7812.		12:14:40.694	10588	33	-4
7813.	-68	12:14:41.110	10588	33	
7814.		12:14:41.110	10588	33	-3
7815.	-78.1	12:14:41.409	10588	33	
7816.		12:14:41.409	10588	33	-4.9
7817.	-70.4	12:14:42.420	10588	33	
7818.		12:14:42.420	10588	33	-3.4
7819.	-65	12:14:43.338	10588	33	
7820.		12:14:43.338	10588	33	-3.6
7821.	-66.2	12:14:43.778	10588	33	
7822.		12:14:43.778	10588	33	-3.2
7823.	-78.7	12:14:44.340	10588	33	
7824.		12:14:44.340	10588	33	-6
7825.	-67.4	12:14:45.058	10588	33	

	System	Transf. dir.	Time	Subchannel	Message name
20191.	UMTS FDD	Downlink	12:14:35.376	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
20192.	UMTS FDD	Downlink	12:14:35.396	BCCH_BCH	SYSTEM_INFORMATION_BCH
20193.	UMTS FDD	Uplink	12:14:35.397	CCCH	RRC_CONNECTION_REQUEST
20194.	UMTS FDD	Downlink	12:14:35.416	BCCH_BCH	SYSTEM_INFORMATION_BCH
20195.	UMTS FDD	Downlink	12:14:35.416	BCCH	MASTER_INFORMATION_BLOCK
20196.	UMTS FDD	Downlink	12:14:35.536	CCCH	RRC_CONNECTION_SETUP
20197.	UMTS FDD	Uplink	12:14:35.590	DCCH	RRC_CONNECTION_SETUP_COMPLETE
20198.	UMTS FDD	Uplink	12:14:35.591	DCCH	INITIAL_DIRECT_TRANSFER
20199.	UMTS FDD	Uplink	12:14:35.591	DCCH	SERVICE_REQUEST
20200.	UMTS FDD	Downlink	12:14:35.822	DCCH	MEASUREMENT_CONTROL
20201.	UMTS FDD	Downlink	12:14:35.872	DCCH	MEASUREMENT_CONTROL
20202.	UMTS FDD	Downlink	12:14:35.873	DCCH	MEASUREMENT_CONTROL
20203.	UMTS FDD	Downlink	12:14:35.882	DCCH	MEASUREMENT_CONTROL
20204.	UMTS FDD	Downlink	12:14:35.892	DCCH	MEASUREMENT_CONTROL
20205.	UMTS FDD	Downlink	12:14:35.902	DCCH	MEASUREMENT_CONTROL
20206.	UMTS FDD	Downlink	12:14:35.922	DCCH	SECURITY_MODE_COMMAND
20207.	UMTS FDD	Uplink	12:14:35.923	DCCH	SECURITY_MODE_COMPLETE
20208.	UMTS FDD	Uplink	12:14:35.993	DCCH	MEASUREMENT_REPORT
20209.	UMTS FDD	Downlink	12:14:36.182	DCCH	RADIO_BEARER_SETUP
20210.	UMTS FDD	Uplink	12:14:36.243	DCCH	MEASUREMENT_REPORT
20211.	UMTS FDD	Uplink	12:14:36.560	DCCH	RADIO_BEARER_SETUP_COMPLETE
20212.	UMTS FDD	Downlink	12:14:36.792	DCCH	MEASUREMENT_CONTROL
20213.	UMTS FDD	Downlink	12:14:36.832	DCCH	MEASUREMENT_CONTROL
20214.	UMTS FDD	Downlink	12:14:36.952	DCCH	RADIO_BEARER_RECONFIGURATION
20215.	UMTS FDD	Uplink	12:14:36.995	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
20216.	UMTS FDD	Uplink	12:14:37.113	DCCH	MEASUREMENT_REPORT
20217.	UMTS FDD	Uplink	12:14:38.076	DCCH	MEASUREMENT_REPORT
20218.	UMTS FDD	Uplink	12:14:38.116	DCCH	MEASUREMENT_REPORT
20219.	UMTS FDD	Downlink	12:14:40.792	DCCH	RRC_CONNECTION_RELEASE
20220.	UMTS FDD	Uplink	12:14:40.792	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
20221.	UMTS FDD	Downlink	12:14:40.832	DCCH	RRC_CONNECTION_RELEASE
20222.	UMTS FDD	Uplink	12:14:40.833	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
20223.	UMTS FDD	Downlink	12:14:41.036	BCCH_BCH	SYSTEM_INFORMATION_BCH
20224.	UMTS FDD	Downlink	12:14:41.056	BCCH_BCH	SYSTEM_INFORMATION_BCH
20225.	UMTS FDD	Downlink	12:14:41.076	BCCH_BCH	SYSTEM_INFORMATION_BCH
20226.	UMTS FDD	Downlink	12:14:41.076	BCCH	SCHEDULING_BLOCK_1
20227.	UMTS FDD	Downlink	12:14:41.096	BCCH_BCH	SYSTEM_INFORMATION_BCH

Analysis:

- This call failure event occurred on short call at 12:14:40:206 time when UE was latched with 3G network.
- Initially call was attempt at 12:14:10:206 time, Call failure happened.
- During the failure, UE was latched with PSC 33 and RF condition RSCP -68.9 dBm and Ec/No -2.9 dB are very good.
- Need to check MT End.

Call Attempt Failure Analysis 1 From MS6 Airtel MT

	1. best active RSCP	Time	Ch	SC	1. best active Ec/N0
5477.	-103.8	12:14:28.597	10562	41	
5478.		12:14:28.597	10562	41	-16.1
5479.	-87.2	12:14:30.200	10562	41	
5480.		12:14:30.200	10562	41	-8.9
5481.	-92.1	12:14:30.936	10562	41	
5482.		12:14:30.936	10562	41	-13.7
5483.	-92.1	12:14:31.721	10562	41	
5484.		12:14:31.721	10562	41	-13.7
5485.	-86.2	12:14:32.353	10562	41	
5486.		12:14:32.353	10562	41	-10.6
5487.	-86.6	12:14:33.838	10562	41	
5488.		12:14:33.838	10562	41	-6.2
5489.	-86.7	12:14:35.407	10562	41	
5490.		12:14:35.407	10562	41	-15.5
5491.	-83.6	12:14:36.354	10562	41	
5492.		12:14:36.354	10562	41	-5.8
5493.	-95.5	12:14:37.408	10562	41	
5494.		12:14:37.408	10562	41	-24
5495.	-85.9	12:14:38.724	10562	41	
5496.		12:14:38.724	10562	41	-10.7
5497.	-76.1	12:14:40.003	10562	33	
5498.		12:14:40.003	10562	33	-5.5
5499.	-77.6	12:14:40.602	10562	33	
5500.		12:14:40.602	10562	33	-4.9
5501.	-83.5	12:14:41.408	10562	33	
5502.		12:14:41.408	10562	33	-5.3
5503.	-77.1	12:14:42.466	10562	33	
5504.		12:14:42.466	10562	33	-5.7
5505.	-74.5	12:14:43.724	10562	33	
5506.		12:14:43.724	10562	33	-3.7
5507.	-70.7	12:14:45.351	10562	33	
5508.		12:14:45.351	10562	33	-4.2
5509.	-70.7	12:14:46.408	10562	33	
5510.		12:14:46.408	10562	33	-3.1
5511.	-70.9	12:14:47.567	10562	33	

	Event ID	System	Transf. dir.	Time	Subchannel	Message name
15525.	RRCSM	UMTS FDD	Uplink	12:13:48.411	DCCH	MEASUREMENT_REPORT
15526.	RRCSM	UMTS FDD	Uplink	12:13:48.711	DCCH	RADIO_BEARER_SETUP_COMPLETE
15527.	RRCSM	UMTS FDD	Downlink	12:13:48.900	DCCH	MEASUREMENT_CONTROL
15528.	RRCSM	UMTS FDD	Downlink	12:13:48.940	DCCH	MEASUREMENT_CONTROL
15529.	RRCSM	UMTS FDD	Downlink	12:13:49.020	DCCH	RADIO_BEARER_RECONFIGURATION
15530.	RRCSM	UMTS FDD	Uplink	12:13:49.063	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
15531.	RRCSM	UMTS FDD	Downlink	12:13:49.260	DCCH	ACTIVE_SET_UPDATE
15532.	RRCSM	UMTS FDD	Uplink	12:13:49.280	DCCH	ACTIVE_SET_UPDATE_COMPLETE
15533.	RRCSM	UMTS FDD	Uplink	12:13:49.281	DCCH	MEASUREMENT_REPORT
15534.	RRCSM	UMTS FDD	Downlink	12:13:49.420	DCCH	MEASUREMENT_CONTROL
15535.	RRCSM	UMTS FDD	Uplink	12:13:49.954	DCCH	MEASUREMENT_REPORT
15536.	RRCSM	UMTS FDD	Downlink	12:13:50.100	DCCH	ACTIVE_SET_UPDATE
15537.	RRCSM	UMTS FDD	Uplink	12:13:50.132	DCCH	ACTIVE_SET_UPDATE_COMPLETE
15538.	RRCSM	UMTS FDD	Uplink	12:13:50.214	DCCH	MEASUREMENT_REPORT
15539.	RRCSM	UMTS FDD	Uplink	12:13:50.234	DCCH	MEASUREMENT_REPORT
15540.	RRCSM	UMTS FDD	Downlink	12:13:50.260	DCCH	MEASUREMENT_CONTROL
15541.	RRCSM	UMTS FDD	Downlink	12:13:53.420	DCCH	RRC_CONNECTION_RELEASE
15542.	RRCSM	UMTS FDD	Uplink	12:13:53.421	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
15543.	RRCSM	UMTS FDD	Downlink	12:13:53.460	DCCH	RRC_CONNECTION_RELEASE
15544.	RRCSM	UMTS FDD	Uplink	12:13:53.461	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
15545.	RRCSM	UMTS FDD	Downlink	12:13:53.658	BCCH_BCH	SYSTEM_INFORMATION_BCH
15546.	RRCSM	UMTS FDD	Downlink	12:13:53.658	BCCH	MASTER_INFORMATION_BLOCK
15547.	RRCSM	UMTS FDD	Downlink	12:13:53.659	BCCH_BCH	MASTER_INFORMATION_BLOCK
15548.	RRCSM	UMTS FDD	Downlink	12:13:53.659	BCCH_BCH	SCHEDULING_BLOCK_1
15549.	RRCSM	UMTS FDD	Downlink	12:13:53.659	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
15550.	RRCSM	UMTS FDD	Downlink	12:13:53.659	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
15551.	RRCSM	UMTS FDD	Downlink	12:13:53.659	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_5
15552.	RRCSM	UMTS FDD	Downlink	12:13:53.659	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_11
15553.	RRCSM	UMTS FDD	Downlink	12:13:53.659	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
15554.	RRCSM	UMTS FDD	Downlink	12:13:53.659	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_18
15555.	RRCSM	UMTS FDD	Downlink	12:14:39.937	BCCH_BCH	SYSTEM_INFORMATION_BCH
15556.	RRCSM	UMTS FDD	Downlink	12:14:39.957	BCCH_BCH	SYSTEM_INFORMATION_BCH
15557.	RRCSM	UMTS FDD	Downlink	12:14:39.957	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
15558.	RRCSM	UMTS FDD	Downlink	12:14:39.977	BCCH_BCH	SYSTEM_INFORMATION_BCH
15559.	RRCSM	UMTS FDD	Downlink	12:14:39.977	BCCH	MASTER_INFORMATION_BLOCK

Analysis:

- On MT End, During the setup fail, UE was latched with PSC 33 and RF condition RSCP -76.1 dBm and Ec/No -5.5 dB both are ok.
- On both MO And MT Side, RF Conditions seems OK Also there is no abnormal message regarding failure.
- Need to check from Network End.

Call Attempt Failure Analysis 2 From MS5 Airtel MO

	Time	System	Serving band	
1.	12:14:40.206	UMTS FDD	2100	Tim
2.	12:26:20.113	UMTS FDD	2100	Tim

	1. best active RSCP	Time	Ch	SC	1. best active Ec/N0
9395.	-76.1	12:26:14.602	10562	33	
9396.		12:26:14.602	10562	33	-4.4
9397.	-71.5	12:26:15.345	10562	33	
9398.		12:26:15.345	10562	33	-3.3
9399.	-80.3	12:26:15.652	10562	33	
9400.		12:26:15.652	10562	33	-6.3
9401.	-76.2	12:26:16.352	10562	33	
9402.		12:26:16.352	10562	33	-4.9
9403.	-79.1	12:26:16.873	10562	33	
9404.		12:26:16.873	10562	33	-6
9405.	-73.5	12:26:17.348	10562	33	
9406.		12:26:17.348	10562	33	-3.4
9407.	-84.6	12:26:17.842	10562	33	
9408.		12:26:17.842	10562	33	-10.4
9409.	-80.2	12:26:18.411	10562	33	
9410.		12:26:18.411	10562	33	-7.1
9411.	-79.9	12:26:18.912	10562	33	
9412.		12:26:18.912	10562	33	-6.6
9413.	-77.4	12:26:19.526	10562	33	
9414.		12:26:19.526	10562	33	-4.4
9415.	-75.4	12:26:20.113	10562	33	
9416.		12:26:20.113	10562	33	-4.2
9417.	-76.1	12:26:20.413	10562	33	
9418.		12:26:20.413	10562	33	-4.1
9419.	-77.9	12:26:20.952	10562	33	
9420.		12:26:20.952	10562	33	-6.5
9421.	-78.6	12:26:21.409	10562	33	
9422.		12:26:21.409	10562	33	-4.6
9423.	-79.6	12:26:22.441	10562	33	
9424.		12:26:22.441	10562	33	-5.2
9425.	-71.7	12:26:22.835	10562	33	
9426.		12:26:22.835	10562	33	-3.6
9427.	-73.1	12:26:23.583	10562	33	
9428.		12:26:23.583	10562	33	-4.8
9429.	-75.2	12:26:24.084	10562	33	
9430.		12:26:24.084	10562	33	-3.8

	System	Transf. dir.	Time	Subchannel	Message name
23629.	UMTS FDD	Downlink	12:26:16.500	DCCH	RADIO_BEARER_SETUP
23630.	UMTS FDD	Uplink	12:26:16.571	DCCH	MEASUREMENT_REPORT
23631.	UMTS FDD	Uplink	12:26:16.876	DCCH	RADIO_BEARER_SETUP_COMPLETE
23632.	UMTS FDD	Downlink	12:26:17.070	DCCH	MEASUREMENT_CONTROL
23633.	UMTS FDD	Downlink	12:26:17.110	DCCH	MEASUREMENT_CONTROL
23634.	UMTS FDD	Downlink	12:26:17.190	DCCH	RADIO_BEARER_RECONFIGURATION
23635.	UMTS FDD	Uplink	12:26:17.232	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
23636.	UMTS FDD	Uplink	12:26:17.451	DCCH	MEASUREMENT_REPORT
23637.	UMTS FDD	Uplink	12:26:17.814	DCCH	MEASUREMENT_REPORT
23638.	UMTS FDD	Downlink	12:26:18.030	DCCH	ACTIVE_SET_UPDATE
23639.	UMTS FDD	Uplink	12:26:18.044	DCCH	ACTIVE_SET_UPDATE_COMPLETE
23640.	UMTS FDD	Downlink	12:26:18.230	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
23641.	UMTS FDD	Uplink	12:26:18.272	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
23642.	UMTS FDD	Uplink	12:26:18.374	DCCH	MEASUREMENT_REPORT
23643.	UMTS FDD	Uplink	12:26:18.393	DCCH	MEASUREMENT_REPORT
23644.	UMTS FDD	Downlink	12:26:18.430	DCCH	MEASUREMENT_CONTROL
23645.	UMTS FDD	Uplink	12:26:19.053	DCCH	MEASUREMENT_REPORT
23646.	UMTS FDD	Downlink	12:26:19.190	DCCH	ACTIVE_SET_UPDATE
23647.	UMTS FDD	Uplink	12:26:19.222	DCCH	ACTIVE_SET_UPDATE_COMPLETE
23648.	UMTS FDD	Downlink	12:26:19.390	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
23649.	UMTS FDD	Uplink	12:26:19.432	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
23650.	UMTS FDD	Downlink	12:26:19.590	DCCH	MEASUREMENT_CONTROL
23651.	UMTS FDD	Downlink	12:26:21.110	DCCH	RRC_CONNECTION_RELEASE
23652.	UMTS FDD	Uplink	12:26:21.110	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
23653.	UMTS FDD	Downlink	12:26:21.150	DCCH	RRC_CONNECTION_RELEASE
23654.	UMTS FDD	Uplink	12:26:21.150	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
23655.	UMTS FDD	Downlink	12:26:21.339	BCCH_BCH	SYSTEM_INFORMATION_BCH
23656.	UMTS FDD	Downlink	12:26:21.339	BCCH	MASTER_INFORMATION_BLOCK
23657.	UMTS FDD	Downlink	12:26:21.340	BCCH_BCH	MASTER_INFORMATION_BLOCK
23658.	UMTS FDD	Downlink	12:26:21.340	BCCH_BCH	SCHEDULING_BLOCK_1
23659.	UMTS FDD	Downlink	12:26:21.340	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
23660.	UMTS FDD	Downlink	12:26:21.340	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
23661.	UMTS FDD	Downlink	12:26:21.340	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_5
23662.	UMTS FDD	Downlink	12:26:21.340	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_11
23663.	UMTS FDD	Downlink	12:26:21.340	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
23664.	UMTS FDD	Downlink	12:26:21.340	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_18

Analysis:

- This call failure event occurred on short call at 12:26:20:113 time when UE was latched with 3G network.
- Initially call was attempt at 12:25:50:086 time, Call failure happened.
- During the failure, UE was latched with PSC 33 and RF condition RSCP -75.4 dBm and Ec/No -4.2 dB are very good.
- Need to check MT End.

Call Attempt Failure Analysis 2 From MS6 Airtel MT

	1. best active RSCP	Time	Ch	SC	1. best active Ec/N0
6575.	-86.3	12:26:06.504	10588	33	
6576.		12:26:06.504	10588	33	-13
6577.	-71.8	12:26:07.362	10562	33	
6578.		12:26:07.362	10562	33	-4.2
6579.	-73.3	12:26:08.514	10562	33	
6580.		12:26:08.514	10562	33	-3.3
6581.	-83.8	12:26:10.410	10562	33	
6582.		12:26:10.410	10562	33	-6.3
6583.	-76.7	12:26:11.355	10562	33	
6584.		12:26:11.355	10562	33	-6.5
6585.	-85.2	12:26:12.410	10562	33	
6586.		12:26:12.410	10562	33	-7.4
6587.	-82.1	12:26:13.647	10562	33	
6588.		12:26:13.647	10562	33	-5.5
6589.	-82.6	12:26:14.999	10562	33	
6590.		12:26:14.999	10562	33	-8.3
6591.	-82	12:26:16.411	10562	33	
6592.		12:26:16.411	10562	33	-6.2
6593.	-93.2	12:26:17.488	10562	33	
6594.		12:26:17.488	10562	33	-14.1
6595.	-86.3	12:26:18.771	10562	33	
6596.		12:26:18.771	10562	33	-5.3
6597.	-89.7	12:26:20.428	10562	33	
6598.		12:26:20.428	10562	33	-8
6599.	-83.5	12:26:21.355	10562	33	
6600.		12:26:21.355	10562	33	-4.4
6601.	-81.8	12:26:22.642	10562	33	
6602.		12:26:22.642	10562	33	-5.2
6603.	-78.2	12:26:24.411	10562	33	
6604.		12:26:24.411	10562	33	-4.5
6605.	-85.9	12:26:25.412	10562	33	
6606.		12:26:25.412	10562	33	-5.3
6607.	-81	12:26:26.448	10562	33	
6608.		12:26:26.448	10562	33	-3.1
6609.	-94.5	12:26:27.731	10562	33	
6610.		12:26:27.731	10562	33	-13.3
6611.	-81.6	12:26:29.427	10562	33	

	Event ID	System	Transf. dir.	Time	Subchannel	Message name
17413.	RRCSM	UMTS FDD	Downlink	12:25:20.297	DCCH	RRC_CONNECTION_RELEASE
17414.	RRCSM	UMTS FDD	Downlink	12:25:20.439	BCCH_BCH	SYSTEM_INFORMATION_BCH
17415.	RRCSM	UMTS FDD	Downlink	12:25:20.459	BCCH_BCH	SYSTEM_INFORMATION_BCH
17416.	RRCSM	UMTS FDD	Downlink	12:25:20.459	BCCH	MASTER_INFORMATION_BLOCK
17417.	RRCSM	UMTS FDD	Downlink	12:25:20.460	BCCH_BCH	MASTER_INFORMATION_BLOCK
17418.	RRCSM	UMTS FDD	Downlink	12:25:20.460	BCCH_BCH	SCHEDULING_BLOCK_1
17419.	RRCSM	UMTS FDD	Downlink	12:25:20.460	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
17420.	RRCSM	UMTS FDD	Downlink	12:25:20.460	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
17421.	RRCSM	UMTS FDD	Downlink	12:25:20.460	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_5
17422.	RRCSM	UMTS FDD	Downlink	12:25:20.460	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_11
17423.	RRCSM	UMTS FDD	Downlink	12:25:20.460	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
17424.	RRCSM	UMTS FDD	Downlink	12:25:20.460	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_18
17425.	RRCSM	UMTS FDD	Downlink	12:26:07.340	BCCH_BCH	SYSTEM_INFORMATION_BCH
17426.	RRCSM	UMTS FDD	Downlink	12:26:07.340	BCCH	MASTER_INFORMATION_BLOCK
17427.	RRCSM	UMTS FDD	Downlink	12:26:07.340	BCCH_BCH	MASTER_INFORMATION_BLOCK
17428.	RRCSM	UMTS FDD	Downlink	12:26:07.340	BCCH_BCH	SCHEDULING_BLOCK_1
17429.	RRCSM	UMTS FDD	Downlink	12:26:07.340	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
17430.	RRCSM	UMTS FDD	Downlink	12:26:07.340	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
17431.	RRCSM	UMTS FDD	Downlink	12:26:07.340	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_5
17432.	RRCSM	UMTS FDD	Downlink	12:26:07.340	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_11
17433.	RRCSM	UMTS FDD	Downlink	12:26:07.340	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
17434.	RRCSM	UMTS FDD	Downlink	12:26:07.340	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_18
17435.	RRCSM	UMTS FDD	Downlink	12:26:41.960	BCCH_BCH	SYSTEM_INFORMATION_BCH
17436.	RRCSM	UMTS FDD	Downlink	12:26:41.980	BCCH_BCH	SYSTEM_INFORMATION_BCH
17437.	RRCSM	UMTS FDD	Downlink	12:26:41.980	BCCH	MASTER_INFORMATION_BLOCK
17438.	RRCSM	UMTS FDD	Downlink	12:26:41.980	BCCH_BCH	MASTER_INFORMATION_BLOCK
17439.	RRCSM	UMTS FDD	Downlink	12:26:41.980	BCCH_BCH	SCHEDULING_BLOCK_1
17440.	RRCSM	UMTS FDD	Downlink	12:26:41.980	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
17441.	RRCSM	UMTS FDD	Downlink	12:26:41.980	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
17442.	RRCSM	UMTS FDD	Downlink	12:26:41.980	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_5
17443.	RRCSM	UMTS FDD	Downlink	12:26:41.980	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_11
17444.	RRCSM	UMTS FDD	Downlink	12:26:41.980	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
17445.	RRCSM	UMTS FDD	Downlink	12:26:41.980	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_18
17446.	RRCSM	UMTS FDD	Downlink	12:26:52.070	PCCH	PAGING_TYPE_1
17447.	RRCSM	UMTS FDD	Downlink	12:26:52.140	BCCH_BCH	SYSTEM_INFORMATION_BCH
17448.	RRCSM	UMTS FDD	Downlink	12:26:52.140	BCCH	MASTER_INFORMATION_BLOCK
17449.	RRCSM	UMTS FDD	Downlink	12:26:52.160	BCCH_BCH	SYSTEM_INFORMATION_BCH

Analysis:

- On MT End, During the setup fail, UE was latched with PSC 33 and RF condition RSCP -86.3 dBm and Ec/No -5.3 dB both are ok.
- On both MO And MT Side, RF Conditions seems OK Also there is no abnormal message regarding failure.
- Need to check from Network End.

Call Drop Analysis 1 From MS11 CWS MO

	Time	System	Serving band	Call type	Cal
1.	10:59:31.787	GSM	900	Voice call	Orig
2.	13:45:55.940	GSM	900	Voice call	Orig

	Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub
1.	10:59:03.598						7
2.	10:59:03.686	-78	11	57	11	11	
3.	10:59:04.078						4
4.	10:59:04.106	-87	11	57	11	11	
5.	10:59:04.558						0
6.	10:59:04.623	-83	11	57	4	11	
7.	10:59:05.038						0
8.	10:59:05.427	-90	11	57	4	11	
9.	10:59:05.518						4
10.	10:59:05.541	-92	11	57	4	11	
11.	10:59:05.998						5
12.	10:59:06.303	-94	11	57	4	11	
13.	10:59:06.478						1
14.	10:59:06.958	-95	11	57	4	11	
15.	10:59:06.958						7
16.	10:59:07.383	-97	11	57	4	11	
17.	10:59:07.438						4
18.	10:59:07.918						6
19.	10:59:07.946	-97	11	57	4	11	
20.	10:59:08.398						7
21.	10:59:08.878						7
22.	10:59:08.883	-98	11	57	4	11	
23.	10:59:09.358	-97	11	57	4	11	
24.	10:59:09.358						7
25.	10:59:09.838						6
26.	10:59:09.884	-97	11	57	4	11	
27.	10:59:10.318						7
28.	10:59:10.427	-98	11	57	4	11	
29.	10:59:10.798	-99	11	57	4	11	
30.	10:59:11.356	-97	11	57	4	11	
31.	10:59:11.758						6
32.	10:59:12.001	-97	11	57	4	11	
33.	10:59:12.238						7
34.	10:59:12.464	-99	11	57	4	11	
35.	10:59:12.926	-97	11	57	4	11	
36.	10:59:13.427	-97	11	57	4	11	

	Event ID	System	Transf. dir.	Time	Subchannel	Message name
394.	L3SM	UMTS FDD	Downlink	10:59:03.329	DCCH	HANDOVER_COMMAND
395.	L3SM	GSM	Downlink	10:59:03.367	DCCH	HANDOVER_COMMAND
396.	L3SM	GSM	Downlink	10:59:03.483	DCCH	PHYSICAL_INFORMATION
397.	L3SM	GSM	Uplink	10:59:03.483	DCCH	HANDOVER_COMPLETE
398.	L3SM	GSM	Uplink	10:59:03.592	DCCH	GPRS_SUSPENSION_REQUEST
399.	L3SM	GSM	Uplink	10:59:03.598	SACCH	MEASUREMENT_REPORT
400.	L3SM	GSM	Downlink	10:59:03.723	DCCH	CLASSMARK_ENQUIRY
401.	L3SM	GSM	Uplink	10:59:03.723	DCCH	CLASSMARK_CHANGE
402.	L3SM	GSM	Downlink	10:59:04.032	SACCH	SYSTEM_INFORMATION_TYPE_5
403.	L3SM	GSM	Uplink	10:59:04.078	SACCH	MEASUREMENT_REPORT
404.	L3SM	GSM	Downlink	10:59:04.512	SACCH	SYSTEM_INFORMATION_TYPE_6
405.	L3SM	GSM	Uplink	10:59:04.558	SACCH	MEASUREMENT_REPORT
406.	L3SM	GSM	Downlink	10:59:04.992	SACCH	SYSTEM_INFORMATION_TYPE_5
407.	L3SM	GSM	Uplink	10:59:05.038	SACCH	MEASUREMENT_REPORT
408.	L3SM	GSM	Downlink	10:59:05.472	SACCH	SYSTEM_INFORMATION_TYPE_6
409.	L3SM	GSM	Uplink	10:59:05.518	SACCH	MEASUREMENT_REPORT
410.	L3SM	GSM	Downlink	10:59:05.952	SACCH	SYSTEM_INFORMATION_TYPE_5
411.	L3SM	GSM	Uplink	10:59:05.998	SACCH	MEASUREMENT_REPORT
412.	L3SM	GSM	Downlink	10:59:06.432	SACCH	SYSTEM_INFORMATION_TYPE_6
413.	L3SM	GSM	Uplink	10:59:06.478	SACCH	MEASUREMENT_REPORT
414.	L3SM	GSM	Downlink	10:59:06.912	SACCH	SYSTEM_INFORMATION_TYPE_5
415.	L3SM	GSM	Uplink	10:59:06.958	SACCH	MEASUREMENT_REPORT
416.	L3SM	GSM	Downlink	10:59:07.392	SACCH	SYSTEM_INFORMATION_TYPE_6
417.	L3SM	GSM	Uplink	10:59:07.438	SACCH	MEASUREMENT_REPORT
418.	L3SM	GSM	Downlink	10:59:07.872	SACCH	SYSTEM_INFORMATION_TYPE_5
419.	L3SM	GSM	Uplink	10:59:07.918	SACCH	MEASUREMENT_REPORT
420.	L3SM	GSM	Downlink	10:59:08.352	SACCH	SYSTEM_INFORMATION_TYPE_6
421.	L3SM	GSM	Uplink	10:59:08.398	SACCH	MEASUREMENT_REPORT
422.	L3SM	GSM	Uplink	10:59:08.878	SACCH	MEASUREMENT_REPORT
423.	L3SM	GSM	Downlink	10:59:09.312	SACCH	SYSTEM_INFORMATION_TYPE_6
424.	L3SM	GSM	Uplink	10:59:09.358	SACCH	MEASUREMENT_REPORT
425.	L3SM	GSM	Downlink	10:59:09.792	SACCH	SYSTEM_INFORMATION_TYPE_5
426.	L3SM	GSM	Uplink	10:59:09.838	SACCH	MEASUREMENT_REPORT
427.	L3SM	GSM	Downlink	10:59:10.272	SACCH	SYSTEM_INFORMATION_TYPE_6
428.	L3SM	GSM	Uplink	10:59:10.318	SACCH	MEASUREMENT_REPORT
429.	L3SM	GSM	Downlink	10:59:10.752	SACCH	SYSTEM_INFORMATION_TYPE_5

Analysis:

- This call drop event occurred on long call at 10:59:31:787 time when UE was latched with 2G network.
- After getting Alerting message at 10:58:43:528 time than Call drop happened.
- During the session UE was latched with ARFCN 11 and RF condition Rx lev -97 dBm is good and Rx qual 7 dB was very poor.
- As per the Analysis the call setup drop event occurred due to poor quality in the network.

Call Drop Analysis 2 From MS11 CWS MO

	Time	System	Serving band	Call type	Cal
1.	10:59:31.787	GSM	900	Voice call	Orig
2.	13:45:55.940	GSM	900	Voice call	Orig

	Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub
2037.	13:45:21.428	-87	25	28	2		
2038.	13:45:21.673						0
2039.	13:45:22.116	-89	25	28	2		
2040.	13:45:22.153						0
2041.	13:45:22.619	-88	25	28	2		
2042.	13:45:22.633						4
2043.	13:45:22.877	-85	25	28	2		
2044.	13:45:23.113						0
2045.	13:45:23.593						0
2046.	13:45:24.073						0
2047.	13:45:24.160	-90	25	28	2		
2048.	13:45:24.553						3
2049.	13:45:25.033	-91	25	28	2		
2050.	13:45:25.033						1
2051.	13:45:25.513	-91	25	28	2		
2052.	13:45:25.513						0
2053.	13:45:25.993	-88	25	28	2		
2054.	13:45:26.953	-96	25	28	2		
2055.	13:45:27.640	-97	25	28	2		
2056.	13:45:27.913						5
2057.	13:45:28.393	-98	25	28	2		
2058.	13:45:28.393						7
2059.	13:45:28.873						5
2060.	13:45:28.960	-93	25	28	2		
2061.	13:45:29.353	-95	25	28	2		
2062.	13:45:29.353						6
2063.	13:45:29.833						4
2064.	13:45:29.860	-95	25	28	2		
2065.	13:45:30.313	-95	25	28	2		
2066.	13:45:30.313						6
2067.	13:45:30.793	-96	25	28	2		
2068.	13:45:31.428	-96	25	28	2		
2069.	13:45:31.753						7
2070.	13:45:31.997	-96	25	28	2		
2071.	13:45:32.233						6
2072.	13:45:32.477	-97	25	28	2		
2073.	13:45:33.193	-97	25	28	2		

	Event ID	System	Transf. dir.	Time	Subchannel	Message name
13162.	L3SM	GSM	Downlink	13:45:45.626	SACCH	SYSTEM_INFORMATION_TYPE_6
13163.	L3SM	GSM	Uplink	13:45:45.673	SACCH	MEASUREMENT_REPORT
13164.	L3SM	GSM	Uplink	13:45:46.153	SACCH	MEASUREMENT_REPORT
13165.	L3SM	GSM	Uplink	13:45:46.633	SACCH	MEASUREMENT_REPORT
13166.	L3SM	GSM	Uplink	13:45:47.113	SACCH	MEASUREMENT_REPORT
13167.	L3SM	GSM	Uplink	13:45:47.593	SACCH	MEASUREMENT_REPORT
13168.	L3SM	GSM	Uplink	13:45:48.073	SACCH	MEASUREMENT_REPORT
13169.	L3SM	GSM	Uplink	13:45:48.553	SACCH	MEASUREMENT_REPORT
13170.	L3SM	GSM	Uplink	13:45:49.033	SACCH	MEASUREMENT_REPORT
13171.	L3SM	GSM	Uplink	13:45:49.513	SACCH	MEASUREMENT_REPORT
13172.	L3SM	GSM	Uplink	13:45:49.993	SACCH	MEASUREMENT_REPORT
13173.	L3SM	GSM	Uplink	13:45:50.473	SACCH	MEASUREMENT_REPORT
13174.	L3SM	GSM	Uplink	13:45:50.953	SACCH	MEASUREMENT_REPORT
13175.	L3SM	GSM	Uplink	13:45:51.433	SACCH	MEASUREMENT_REPORT
13176.	L3SM	GSM	Uplink	13:45:51.913	SACCH	MEASUREMENT_REPORT
13177.	L3SM	GSM	Uplink	13:45:52.393	SACCH	MEASUREMENT_REPORT
13178.	L3SM	GSM	Uplink	13:45:52.873	SACCH	MEASUREMENT_REPORT
13179.	L3SM	GSM	Uplink	13:45:53.353	SACCH	MEASUREMENT_REPORT
13180.	L3SM	GSM	Uplink	13:45:53.805	DCCH	CM_RE-ESTABLISHMENT_REQUEST
13181.	L3SM	GSM	Downlink	13:45:54.142	BCCH	SYSTEM_INFORMATION_TYPE_3
13182.	L3SM	GSM	Downlink	13:45:54.908	BCCH	SYSTEM_INFORMATION_TYPE_3
13183.	L3SM	GSM	Downlink	13:45:55.854	BCCH	SYSTEM_INFORMATION_TYPE_3
13184.	L3SM	GSM	Downlink	13:45:56.082	BCCH	SYSTEM_INFORMATION_TYPE_4
13185.	L3SM	GSM	Downlink	13:45:56.170	CCCH	PAGING_REQUEST_TYPE_1
13186.	L3SM	GSM	Downlink	13:45:56.317	BCCH	SYSTEM_INFORMATION_TYPE_13
13187.	L3SM	GSM	Downlink	13:45:56.553	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
13188.	L3SM	GSM	Downlink	13:45:56.788	BCCH	SYSTEM_INFORMATION_TYPE_3
13189.	L3SM	GSM	Downlink	13:45:57.023	BCCH	SYSTEM_INFORMATION_TYPE_4
13190.	L3SM	GSM	Downlink	13:45:57.259	BCCH	SYSTEM_INFORMATION_TYPE_1
13191.	L3SM	GSM	Downlink	13:45:57.499	BCCH	SYSTEM_INFORMATION_TYPE_2
13192.	L3SM	GSM	Uplink	13:45:57.514	PDTCH	ROUTING_AREA_UPDATE_REQUEST
13193.	L3SM	GSM	Downlink	13:45:57.599	CCCH	IMMEDIATE_ASSIGNMENT
13194.	MACSM	GSM	Uplink	13:45:57.691	PACCH	PACKET_RESOURCE_REQUEST
13195.	MACSM	GSM	Downlink	13:45:57.789	PAGCH	PACKET_UPLINK_ASSIGNMENT
13196.	MACSM	GSM	Uplink	13:45:57.789	PACCH	PACKET_UPLINK_DUMMY_CONTROL_BLOCK
13197.	MACSM	GSM	Downlink	13:45:57.927	PACCH	PACKET_UPLINK_ACK/NACK
13198.	MACSM	GSM	Downlink	13:45:57.946	PACCH	PACKET_DOWNLINK_ASSIGNMENT

Analysis:

- This call drop event occurred on long call at 13:45:55:940 time when UE was latched with 2G network.
- After getting Alerting message at 13:44:50:533 time than Call drop happened.
- During the session UE was latched with ARFCN 25 and RF condition Rx lev -96 dBm is good and Rx qual 7 dB was very poor.
- As per the Analysis the call setup drop event occurred due to poor quality in the network.

Phase-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	**2**
Network End	1
Poor Quality	1

Call Drop cause from Airtel	Count
Total Call Drop	**0**

Call Drop cause from CWS	Count
Total Call Drop	**0**

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

	Time	System	Serving band	Cal
1.	13:59:19.965	UMTS FDD	2100	Nor
2.	14:24:57.861	UMTS FDD	2100	Nor
3.	15:20:00.387	UMTS FDD	2100	Dro

	1. best active RSCP	Time	Ch	SC	1. best
3302.		13:59:13.716	10588	41	-12
3303.	-107.7	13:59:14.157	10588	41	
3304.		13:59:14.157	10588	41	-10.5
3305.	-100.4	13:59:14.687	10588	41	
3306.		13:59:14.687	10588	41	-6
3307.	-109.1	13:59:15.377	10588	41	
3308.		13:59:15.377	10588	41	-11.5
3309.	-109.6	13:59:15.709	10588	41	
3310.		13:59:15.709	10588	41	-11.2
3311.	-110.7	13:59:16.229	10588	41	
3312.		13:59:16.229	10588	41	-12.5
3313.	-106.4	13:59:16.767	10588	41	
3314.		13:59:16.767	10588	41	-8.3
3315.	-108.1	13:59:17.236	10588	41	
3316.		13:59:17.236	10588	41	-9.9
3317.	-107	13:59:17.735	10588	41	
3318.		13:59:17.735	10588	41	-8.8
3319.	-105.9	13:59:18.405	10588	41	
3320.		13:59:18.405	10588	41	-7.7
3321.	-108.5	13:59:18.808	10588	41	
3322.		13:59:18.808	10588	41	-10
3323.	-104.3	13:59:19.307	10588	41	
3324.		13:59:19.307	10588	41	-7.1
3325.	-105.8	13:59:19.735	10588	41	
3326.		13:59:19.735	10588	41	-8.1
3327.	-111.6	13:59:20.236	10588	41	
3328.		13:59:20.236	10588	41	-11.2
3329.	-112.8	13:59:20.735	10588	41	
3330.		13:59:20.735	10588	41	-12.4
3331.	-114.3	13:59:21.407	10588	41	
3332.		13:59:21.407	10588	41	-14.4
3333.	-107.6	13:59:21.813	10588	41	
3334.		13:59:21.813	10588	41	-9.2
3335.	-115.1	13:59:22.235	10588	41	
3336.		13:59:22.235	10588	41	-13.6

	Event ID	System	Transf. dir.	Time	Subchannel	Message name
8025.	RRCSM	UMTS FDD	Uplink	13:59:03.355	DCCH	SECURITY_MODE_COMPLETE
8026.	RRCSM	UMTS FDD	Uplink	13:59:03.446	DCCH	UPLINK_DIRECT_TRANSFER
8027.	L3SM	UMTS FDD	Uplink	13:59:03.446	DCCH	SETUP
8028.	RRCSM	UMTS FDD	Downlink	13:59:03.465	DCCH	DOWNLINK_DIRECT_TRANSFER
8029.	L3SM	UMTS FDD	Downlink	13:59:03.465	DCCH	IDENTITY_REQUEST
8030.	RRCSM	UMTS FDD	Uplink	13:59:03.465	DCCH	UPLINK_DIRECT_TRANSFER
8031.	L3SM	UMTS FDD	Uplink	13:59:03.465	DCCH	IDENTITY_RESPONSE
8032.	RRCSM	UMTS FDD	Downlink	13:59:03.565	DCCH	DOWNLINK_DIRECT_TRANSFER
8033.	L3SM	UMTS FDD	Downlink	13:59:03.565	DCCH	CALL_PROCEEDING
8034.	RRCSM	UMTS FDD	Uplink	13:59:04.296	DCCH	MEASUREMENT_REPORT
8035.	RRCSM	UMTS FDD	Uplink	13:59:04.407	DCCH	MEASUREMENT_REPORT
8036.	RRCSM	UMTS FDD	Uplink	13:59:04.794	DCCH	MEASUREMENT_REPORT
8037.	RRCSM	UMTS FDD	Downlink	13:59:08.925	DCCH	RADIO_BEARER_SETUP
8038.	RRCSM	UMTS FDD	Uplink	13:59:09.278	DCCH	RADIO_BEARER_SETUP_COMPLETE
8039.	RRCSM	UMTS FDD	Downlink	13:59:09.565	DCCH	RADIO_BEARER_RECONFIGURATION
8040.	RRCSM	UMTS FDD	Downlink	13:59:09.605	DCCH	DOWNLINK_DIRECT_TRANSFER
8041.	L3SM	UMTS FDD	Downlink	13:59:09.605	DCCH	PROGRESS
8042.	RRCSM	UMTS FDD	Uplink	13:59:09.607	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
8043.	RRCSM	UMTS FDD	Downlink	13:59:11.045	DCCH	MEASUREMENT_CONTROL
8044.	RRCSM	UMTS FDD	Uplink	13:59:11.146	DCCH	MEASUREMENT_REPORT
8045.	RRCSM	UMTS FDD	Downlink	13:59:11.165	DCCH	SECURITY_MODE_COMMAND
8046.	RRCSM	UMTS FDD	Uplink	13:59:11.166	DCCH	SECURITY_MODE_COMPLETE
8047.	RRCSM	UMTS FDD	Uplink	13:59:11.396	DCCH	MEASUREMENT_REPORT
8048.	RRCSM	UMTS FDD	Downlink	13:59:11.645	DCCH	DOWNLINK_DIRECT_TRANSFER
8049.	L3SM	UMTS FDD	Downlink	13:59:11.645	DCCH	ROUTING_AREA_UPDATE_ACCEPT
8050.	RRCSM	UMTS FDD	Uplink	13:59:11.648	DCCH	UPLINK_DIRECT_TRANSFER
8051.	L3SM	UMTS FDD	Uplink	13:59:11.648	DCCH	ROUTING_AREA_UPDATE_COMPLETE
8052.	RRCSM	UMTS FDD	Downlink	13:59:11.925	DCCH	DOWNLINK_DIRECT_TRANSFER
8053.	L3SM	UMTS FDD	Downlink	13:59:11.925	DCCH	GMM_INFO
8054.	RRCSM	UMTS FDD	Downlink	13:59:12.205	DCCH	SIGNALLING_CONNECTION_RELEASE
8055.	RRCSM	UMTS FDD	Uplink	13:59:12.291	DCCH	INITIAL_DIRECT_TRANSFER
8056.	L3SM	UMTS FDD	Uplink	13:59:12.291	DCCH	SERVICE_REQUEST
8057.	RRCSM	UMTS FDD	Downlink	13:59:12.485	DCCH	MEASUREMENT_CONTROL
8058.	RRCSM	UMTS FDD	Uplink	13:59:12.586	DCCH	MEASUREMENT_REPORT
8059.	RRCSM	UMTS FDD	Downlink	13:59:12.685	DCCH	DOWNLINK_DIRECT_TRANSFER

Analysis:

- This call failure event occurred on short call at 13:59:19:965 time when UE was latched with 3G network.
- After sending “CM Service Request” message to core network, then core network responds with “Call Proceeding ” message. After that call setup has been failed.
- During the failure, UE was latched with PSC 41 and RF condition RSCP -105.8 dBm poor but Ec/No -8.1 dB are very good.
- As per the analysis call failed happened due to poor Coverage of the network.

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

	Time	System	Serving band	Cal
1.	13:59:19.965	UMTS FDD	2100	Nor
2.	14:24:57.861	UMTS FDD	2100	Nor
3.	15:20:00.387	UMTS FDD	2100	Dro

	1. best active RSCP	Time	Ch	SC	1. best
5408.		14:24:50.898	10562	13	-13.1
5409.	-116.3	14:24:51.562	10562	13	
5410.		14:24:51.562	10562	13	-14.8
5411.	-114.4	14:24:52.000	10562	13	
5412.		14:24:52.000	10562	13	-14.5
5413.	-118.9	14:24:52.708	10562	13	
5414.		14:24:52.708	10562	13	-16.6
5415.	-112.6	14:24:53.068	10562	13	
5416.		14:24:53.068	10562	13	-11.6
5417.	-113.8	14:24:53.659	10562	13	
5418.		14:24:53.659	10562	13	-13.8
5419.	-116.6	14:24:54.018	10562	13	
5420.		14:24:54.018	10562	13	-12.8
5421.	-115.3	14:24:54.713	10562	13	
5422.		14:24:54.713	10562	13	-15
5423.	-112.8	14:24:55.166	10562	13	
5424.		14:24:55.166	10562	13	-11.9
5425.	-115.6	14:24:55.666	10562	13	
5426.		14:24:55.666	10562	13	-11.8
5427.	-111.9	14:24:56.218	10562	13	
5428.		14:24:56.218	10562	13	-12
5429.	-110.9	14:24:56.716	10562	13	
5430.		14:24:56.716	10562	13	-9.3
5431.	-118	14:24:57.206	10562	13	
5432.		14:24:57.206	10562	13	-15.1
5433.	-112.7	14:24:57.887	10562	13	
5434.		14:24:57.887	10562	13	-13.3
5435.	-111.6	14:25:29.576	10562	13	
5436.		14:25:29.576	10562	13	-12.3
5437.	-116.3	14:25:30.201	10562	13	
5438.		14:25:30.201	10562	13	-15.9
5439.	-118.3	14:25:30.621	10562	13	
5440.		14:25:30.621	10562	13	-14.5
5441.	-112.8	14:25:31.109	10562	13	
5442.		14:25:31.109	10562	13	-12.4
5443.	-113.1	14:25:31.654	10562	13	

	Event ID	System	Transf. dir.	Time	Subchannel	Message name
14096.	RRCSM	UMTS FDD	Downlink	14:24:51.056	DCCH	RADIO_BEARER_SETUP
14097.	RRCSM	UMTS FDD	Uplink	14:24:51.459	DCCH	RADIO_BEARER_SETUP_COMPLETE
14098.	RRCSM	UMTS FDD	Downlink	14:24:51.776	DCCH	DOWNLINK_DIRECT_TRANSFER
14099.	L3SM	UMTS FDD	Downlink	14:24:51.776	DCCH	MODIFY_PDP_CONTEXT_REQUEST
14100.	RRCSM	UMTS FDD	Uplink	14:24:51.777	DCCH	UPLINK_DIRECT_TRANSFER
14101.	L3SM	UMTS FDD	Uplink	14:24:51.777	DCCH	MODIFY_PDP_CONTEXT_ACCEPT
14102.	RRCSM	UMTS FDD	Uplink	14:24:53.357	DCCH	MEASUREMENT_REPORT
14103.	RRCSM	UMTS FDD	Downlink	14:24:54.976	DCCH	DOWNLINK_DIRECT_TRANSFER
14104.	L3SM	UMTS FDD	Downlink	14:24:54.976	DCCH	PROGRESS
14105.	RRCSM	UMTS FDD	Downlink	14:24:55.816	DCCH	RADIO_BEARER_RECONFIGURATION
14106.	RRCSM	UMTS FDD	Uplink	14:24:56.218	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
14107.	RRCSM	UMTS FDD	Downlink	14:24:56.416	DCCH	MEASUREMENT_CONTROL
14108.	RRCSM	UMTS FDD	Uplink	14:24:56.487	DCCH	MEASUREMENT_REPORT
14109.	RRCSM	UMTS FDD	Downlink	14:24:56.896	DCCH	RADIO_BEARER_RECONFIGURATION
14110.	RRCSM	UMTS FDD	Uplink	14:24:57.298	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
14111.	RRCSM	UMTS FDD	Downlink	14:24:57.496	DCCH	MEASUREMENT_CONTROL
14112.	RRCSM	UMTS FDD	Uplink	14:24:57.630	DCCH	UPLINK_DIRECT_TRANSFER
14113.	L3SM	UMTS FDD	Uplink	14:24:57.630	DCCH	DISCONNECT
14114.	RRCSM	UMTS FDD	Downlink	14:24:57.815	DCCH	DOWNLINK_DIRECT_TRANSFER
14115.	L3SM	UMTS FDD	Downlink	14:24:57.815	DCCH	RELEASE
14116.	RRCSM	UMTS FDD	Uplink	14:24:57.861	DCCH	UPLINK_DIRECT_TRANSFER
14117.	L3SM	UMTS FDD	Uplink	14:24:57.861	DCCH	RELEASE_COMPLETE
14118.	RRCSM	UMTS FDD	Downlink	14:24:58.055	DCCH	RRC_CONNECTION_RELEASE
14119.	RRCSM	UMTS FDD	Uplink	14:24:58.056	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
14120.	RRCSM	UMTS FDD	Downlink	14:24:58.095	DCCH	RRC_CONNECTION_RELEASE
14121.	RRCSM	UMTS FDD	Uplink	14:24:58.096	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
14122.	RRCSM	UMTS FDD	Downlink	14:24:58.135	DCCH	RRC_CONNECTION_RELEASE
14123.	RRCSM	LTE FDD	Downlink	14:24:58.282	BCCH-BCH	MasterInformationBlock
14124.	RRCSM	LTE FDD	Downlink	14:24:58.296	BCCH-SCH	SystemInformationBlockType1
14125.	RRCSM	LTE FDD	Downlink	14:24:58.296	BCCH-SCH	SystemInformation - SIB2,SIB3
14126.	L3SM	LTE FDD	Uplink	14:24:58.319		TRACKING_AREA_UPDATE_REQUEST
14127.	RRCSM	LTE FDD	Uplink	14:24:58.320	CCCH	RRCConnectionRequest
14128.	RRCSM	LTE FDD	Downlink	14:24:58.360	CCCH	RRCConnectionSetup
14129.	RRCSM	LTE FDD	Uplink	14:24:58.365	DCCH	RRCConnectionSetupComplete
14130.	RRCSM	LTE FDD	Downlink	14:24:58.560	DCCH	SecurityModeCommand
14131.	RRCSM	LTE FDD	Uplink	14:24:58.561	DCCH	SecurityModeComplete

Analysis:

- This call failure event occurred on short call at 14:24:57:861 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 13 and RF condition RSCP -118 dBm good but Ec/No -15.1 dB are very poor.
- As per the analysis call failed happened due to poor Coverage of the network.

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

	Time	System	Serving band	Cal
1.	13:59:19.965	UMTS FDD	2100	Nor
2.	14:24:57.861	UMTS FDD	2100	Nor
3.	15:20:00.387	UMTS FDD	2100	Dro

	1. best active RSCP	Time	Ch	SC	1. best
13295.	-86.1	15:19:51.723	10562	25	
13296.		15:19:51.723	10562	25	-9.8
13297.	-85.1	15:19:52.268	10562	33	
13298.		15:19:52.268	10562	33	-7.6
13299.	-76.7	15:19:52.768	10562	33	
13300.		15:19:52.768	10562	33	-7.3
13301.	-77.1	15:19:53.441	10562	33	
13302.		15:19:53.441	10562	33	-3.8
13303.	-80.3	15:19:53.779	10562	25	
13304.		15:19:53.779	10562	33	-4.4
13305.	-80.4	15:19:54.270	10562	25	
13306.		15:19:54.270	10562	25	-12.4
13307.	-81.9	15:19:54.790	10562	33	
13308.		15:19:54.790	10562	33	-12.2
13309.	-77.3	15:19:55.332	10562	33	
13310.		15:19:55.332	10562	25	-11.1
13311.	-79.6	15:19:55.822	10562	33	
13312.		15:19:55.822	10562	25	-10
13313.	-85.9	15:19:56.440	10562	33	
13314.		15:19:56.440	10562	33	-13
13315.	-83.4	15:19:56.967	10562	33	
13316.		15:19:56.967	10562	33	-12.5
13317.	-82.6	15:19:57.520	10562	33	
13318.		15:19:57.520	10562	33	-12.3
13319.	-83.6	15:19:58.150	10562	25	
13320.		15:19:58.150	10562	25	-9.9
13321.	-82.8	15:19:58.664	10562	33	
13322.		15:19:58.664	10562	25	-4.4
13323.	-85.2	15:19:59.020	10562	33	
13324.		15:19:59.020	10562	33	-12.7
13325.	-85.3	15:19:59.721	10562	25	
13326.		15:19:59.721	10562	25	-7.1
13327.	-80.3	15:20:00.182	10562	33	
13328.		15:20:00.182	10562	33	-11.8
13329.	-82.8	15:20:00.722	10562	25	
13330.		15:20:00.722	10562	25	-6.4

	Event ID	System	Transf. dir.	Time	Subchannel	Message name
30792.	RRCSM	UMTS FDD	Downlink	15:19:29.766	DCCH	MEASUREMENT_CONTROL
30793.	RRCSM	UMTS FDD	Downlink	15:19:29.776	DCCH	ACTIVE_SET_UPDATE
30794.	RRCSM	UMTS FDD	Uplink	15:19:29.808	DCCH	ACTIVE_SET_UPDATE_COMPLETE
30795.	RRCSM	UMTS FDD	Downlink	15:19:29.906	DCCH	MEASUREMENT_CONTROL
30796.	RRCSM	UMTS FDD	Downlink	15:19:29.916	DCCH	MEASUREMENT_CONTROL
30797.	RRCSM	UMTS FDD	Downlink	15:19:29.926	DCCH	MEASUREMENT_CONTROL
30798.	RRCSM	UMTS FDD	Downlink	15:19:29.946	DCCH	SECURITY_MODE_COMMAND
30799.	RRCSM	UMTS FDD	Uplink	15:19:29.947	DCCH	SECURITY_MODE_COMPLETE
30800.	RRCSM	UMTS FDD	Uplink	15:19:30.037	DCCH	UPLINK_DIRECT_TRANSFER
30801.	L3SM	UMTS FDD	Uplink	15:19:30.037	DCCH	SETUP
30802.	RRCSM	UMTS FDD	Downlink	15:19:30.056	DCCH	DOWNLINK_DIRECT_TRANSFER
30803.	L3SM	UMTS FDD	Downlink	15:19:30.056	DCCH	IDENTITY_REQUEST
30804.	RRCSM	UMTS FDD	Uplink	15:19:30.057	DCCH	UPLINK_DIRECT_TRANSFER
30805.	L3SM	UMTS FDD	Uplink	15:19:30.057	DCCH	IDENTITY_RESPONSE
30806.	RRCSM	UMTS FDD	Uplink	15:19:30.110	DCCH	MEASUREMENT_REPORT
30807.	RRCSM	UMTS FDD	Downlink	15:19:30.176	DCCH	DOWNLINK_DIRECT_TRANSFER
30808.	L3SM	UMTS FDD	Downlink	15:19:30.176	DCCH	CALL_PROCEEDING
30809.	RRCSM	UMTS FDD	Downlink	15:19:30.216	DCCH	ACTIVE_SET_UPDATE
30810.	RRCSM	UMTS FDD	Uplink	15:19:30.228	DCCH	ACTIVE_SET_UPDATE_COMPLETE
30811.	RRCSM	UMTS FDD	Downlink	15:19:30.346	DCCH	MEASUREMENT_CONTROL
30812.	RRCSM	UMTS FDD	Downlink	15:19:30.356	DCCH	MEASUREMENT_CONTROL
30813.	RRCSM	UMTS FDD	Downlink	15:19:30.366	DCCH	MEASUREMENT_CONTROL
30814.	RRCSM	UMTS FDD	Uplink	15:19:30.777	DCCH	MEASUREMENT_REPORT
30815.	RRCSM	UMTS FDD	Uplink	15:19:31.450	DCCH	MEASUREMENT_REPORT
30816.	RRCSM	UMTS FDD	Uplink	15:19:31.640	DCCH	MEASUREMENT_REPORT
30817.	RRCSM	UMTS FDD	Uplink	15:19:31.660	DCCH	MEASUREMENT_REPORT
30818.	RRCSM	UMTS FDD	Uplink	15:19:36.840	DCCH	MEASUREMENT_REPORT
30819.	RRCSM	UMTS FDD	Uplink	15:19:38.290	DCCH	MEASUREMENT_REPORT
30820.	RRCSM	UMTS FDD	Uplink	15:19:39.315	DCCH	MEASUREMENT_REPORT
30821.	RRCSM	UMTS FDD	Uplink	15:19:39.809	DCCH	MEASUREMENT_REPORT
30822.	RRCSM	UMTS FDD	Uplink	15:19:40.709	DCCH	MEASUREMENT_REPORT
30823.	RRCSM	UMTS FDD	Uplink	15:19:41.429	DCCH	MEASUREMENT_REPORT
30824.	RRCSM	UMTS FDD	Uplink	15:19:44.022	DCCH	MEASUREMENT_REPORT
30825.	RRCSM	UMTS FDD	Uplink	15:19:44.567	DCCH	UPLINK_DIRECT_TRANSFER
30826.	L3SM	UMTS FDD	Uplink	15:19:44.567	DCCH	ROUTING_AREA_UPDATE_REQUEST
30827.	RRCSM	UMTS FDD	Uplink	15:19:45.670	DCCH	MEASUREMENT_REPORT

Analysis:

- This call failure event occurred on short call at 15:20:00:387 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 33 and RF condition RSCP -80.3 dBm good but Ec/No -11.8 dB are very good.
- Need to check MT.

Phase-2 Call Attempt Failure Analysis 3 From MS6 Airtel MT

	Time	Band (MHz)	Ch	PCI	RSRP	SNR
10664.	15:19:53.601					11.7
10665.	15:19:54.153	800	6400	11	-93.8	
10666.	15:19:54.153					12
10667.	15:19:54.673	800	6400	11	-90.6	
10668.	15:19:54.673					11.4
10669.	15:19:55.181	800	6400	11	-92.6	
10670.	15:19:55.181					11.9
10671.	15:19:55.733	800	6400	11	-90.3	
10672.	15:19:55.733					11.5
10673.	15:19:56.261	800	6400	11	-90.3	
10674.	15:19:56.261					10.6
10675.	15:19:56.811	800	6400	11	-89.7	
10676.	15:19:56.811					10.7
10677.	15:19:57.352	800	6400	11	-93.4	
10678.	15:19:57.352					11.8
10679.	15:19:57.841	800	6400	11	-92.4	
10680.	15:19:57.841					10.4
10681.	15:19:58.371	800	6400	11	-93.3	
10682.	15:19:58.371					11.9
10683.	15:19:58.871	800	6400	11	-94	
10684.	15:19:58.871					11.5
10685.	15:19:59.411	800	6400	11	-93.4	
10686.	15:19:59.411					7.4
10687.	15:19:59.951	800	6400	11	-93.1	
10688.	15:19:59.951					10.5
10689.	15:20:00.491	800	6400	11	-99.2	
10690.	15:20:00.491					9.6
10691.	15:20:00.981	800	6400	11	-98.4	
10692.	15:20:00.981					9.9
10693.	15:20:01.499	800	6400	11	-103.3	
10694.	15:20:01.499					8.9
10695.	15:20:02.001	800	6400	11	-99	
10696.	15:20:02.001					8.4
10697.	15:20:02.541	800	6400	11	-98.9	
10698.	15:20:02.541					9.7
10699.	15:20:03.081	800	6400	11	-100.6	
10700.	15:20:03.081					8.4
10701.	15:20:03.596	800	6400	11	-98.1	

	Event ID	System	Transf. dir.	Time	Subchannel	Message name
22331.	L3SM	LTE FDD	Downlink	15:19:47.692		MODIFY_EPS_BEARER_CONTEXT_REQUEST
22332.	L3SM	LTE FDD	Uplink	15:19:47.694		MODIFY_EPS_BEARER_CONTEXT_ACCEPT
22333.	RRCSM	LTE FDD	Uplink	15:19:47.694	DCCH	ULInformationTransfer
22334.	RRCSM	LTE FDD	Uplink	15:19:47.787	DCCH	MeasurementReport
22335.	RRCSM	LTE FDD	Downlink	15:19:47.803	DCCH	RRCConnectionReconfiguration
22336.	RRCSM	LTE FDD	Uplink	15:19:47.804	DCCH	RRCConnectionReconfigurationComplete
22337.	RRCSM	LTE FDD	Uplink	15:19:49.627	DCCH	MeasurementReport
22338.	RRCSM	LTE FDD	Downlink	15:19:49.688	DCCH	RRCConnectionReconfiguration
22339.	RRCSM	LTE FDD	Uplink	15:19:49.702	DCCH	RRCConnectionReconfigurationComplete
22340.	RRCSM	LTE FDD	Downlink	15:19:49.753	BCCH-SCH	SystemInformationBlockType1
22341.	RRCSM	LTE FDD	Downlink	15:19:49.753	BCCH-SCH	SystemInformation - SIB2,SIB3
22342.	RRCSM	LTE FDD	Downlink	15:19:49.781	DCCH	RRCConnectionReconfiguration
22343.	RRCSM	LTE FDD	Uplink	15:19:49.787	DCCH	RRCConnectionReconfigurationComplete
22344.	RRCSM	LTE FDD	Uplink	15:19:49.832	DCCH	MeasurementReport
22345.	RRCSM	LTE FDD	Uplink	15:19:49.833	DCCH	MeasurementReport
22346.	RRCSM	LTE FDD	Downlink	15:19:49.848	DCCH	RRCConnectionReconfiguration
22347.	RRCSM	LTE FDD	Uplink	15:19:49.849	DCCH	RRCConnectionReconfigurationComplete
22348.	RRCSM	LTE FDD	Downlink	15:19:49.867	DCCH	RRCConnectionReconfiguration
22349.	RRCSM	LTE FDD	Uplink	15:19:49.883	DCCH	RRCConnectionReconfigurationComplete
22350.	RRCSM	LTE FDD	Uplink	15:20:03.259	DCCH	MeasurementReport
22351.	RRCSM	LTE FDD	Downlink	15:20:03.304	DCCH	RRCConnectionReconfiguration
22352.	RRCSM	LTE FDD	Uplink	15:20:03.314	DCCH	RRCConnectionReconfigurationComplete
22353.	RRCSM	LTE FDD	Uplink	15:20:03.659	DCCH	MeasurementReport
22354.	RRCSM	LTE FDD	Downlink	15:20:03.697	DCCH	RRCConnectionReconfiguration
22355.	RRCSM	LTE FDD	Uplink	15:20:03.716	DCCH	RRCConnectionReconfigurationComplete
22356.	RRCSM	LTE FDD	Downlink	15:20:03.764	BCCH-SCH	SystemInformationBlockType1
22357.	RRCSM	LTE FDD	Downlink	15:20:03.764	BCCH-SCH	SystemInformation - SIB2,SIB3
22358.	RRCSM	LTE FDD	Downlink	15:20:03.835	DCCH	RRCConnectionReconfiguration
22359.	RRCSM	LTE FDD	Uplink	15:20:03.842	DCCH	RRCConnectionReconfigurationComplete
22360.	RRCSM	LTE FDD	Uplink	15:20:03.884	DCCH	MeasurementReport
22361.	RRCSM	LTE FDD	Downlink	15:20:03.907	DCCH	RRCConnectionReconfiguration
22362.	RRCSM	LTE FDD	Uplink	15:20:03.908	DCCH	RRCConnectionReconfigurationComplete
22363.	RRCSM	LTE FDD	Uplink	15:20:06.604	DCCH	MeasurementReport
22364.	RRCSM	LTE FDD	Downlink	15:20:06.661	DCCH	RRCConnectionReconfiguration
22365.	RRCSM	LTE FDD	Uplink	15:20:06.675	DCCH	RRCConnectionReconfigurationComplete
22366.	RRCSM	LTE FDD	Downlink	15:20:06.712	BCCH-SCH	SystemInformationBlockType1
22367.	RRCSM	LTE FDD	Downlink	15:20:06.713	BCCH-SCH	SystemInformation - SIB2,SIB3
22368.	RRCSM	LTE FDD	Downlink	15:20:06.740	DCCH	RRCConnectionReconfiguration

Analysis:

- On MT End, During the setup fail, UE was latched with PCI 11 and RF condition RSRP 93.1 dBm is good and SINR 10.5 which is good.
- As per the analysis call failure happened from network end.

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

	Time	System	Serving band	
1.	15:31:25.437	UMTS FDD	2100	Cal
2.	15:44:36.734	GSM	900	Dro

	1. best active RSCP	Time	Ch	SC	1. best active Ec/N0
10554.		15:30:45.847	10715	323	-7.4
10555.	-94.8	15:30:46.383	10690	323	
10556.		15:30:46.383	10690	323	-7.9
10557.	-93.1	15:30:46.983	10690	323	
10558.		15:30:46.983	10690	323	-7.4
10559.	-93.4	15:30:47.443	10690	323	
10560.		15:30:47.443	10690	323	-6.5
10561.	-96.1	15:30:48.056	10690	323	
10562.		15:30:48.056	10715	323	-8
10563.	-99.1	15:30:48.583	10715	323	
10564.		15:30:48.583	10690	324	-11.2
10565.	-95.4	15:30:49.043	10715	323	
10566.		15:30:49.043	10715	323	-6.7
10567.	-95.9	15:30:49.587	10715	323	
10568.		15:30:49.587	10715	323	-10.5
10569.	-93.7	15:30:50.076	10715	323	
10570.		15:30:50.076	10715	323	-10.1
10571.	-93.4	15:30:50.676	10715	323	
10572.		15:30:50.676	10715	323	-10.4
10573.	-97.3	15:30:51.084	10690	323	
10574.		15:30:51.084	10715	323	-10.8
10575.	-96.5	15:30:51.623	10715	323	
10576.		15:30:51.623	10715	323	-11
10577.	-100.6	15:30:52.205	10715	323	
10578.		15:30:52.205	10715	323	-13.5
10579.	-96	15:31:22.159	10690	323	
10580.		15:31:22.159	10690	323	-9.3
10581.	-96	15:31:22.906	10690	323	
10582.		15:31:22.906	10690	323	-9.3
10583.	-96	15:31:23.384	10690	323	
10584.		15:31:23.384	10690	323	-7.3
10585.	-96	15:31:24.113	10690	323	
10586.		15:31:24.113	10690	323	-8.7
10587.	-96	15:31:24.613	10690	323	
10588.		15:31:24.613	10690	323	-8.7
10589.	-96	15:31:25.113	10690	323	

	System	Transf. dir.	Time	Subchannel	Message name
25360.	UMTS FDD	Downlink	15:31:22.067	CCCH	RRC_CONNECTION_SETUP
25361.	UMTS FDD	Downlink	15:31:22.074	BCCH_BCH	SYSTEM_INFORMATION_BCH
25362.	UMTS FDD	Downlink	15:31:22.074	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_2
25363.	UMTS FDD	Downlink	15:31:22.074	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
25364.	UMTS FDD	Downlink	15:31:22.094	BCCH_BCH	SYSTEM_INFORMATION_BCH
25365.	UMTS FDD	Downlink	15:31:22.094	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_19
25366.	UMTS FDD	Downlink	15:31:22.107	CCCH	RRC_CONNECTION_SETUP
25367.	UMTS FDD	Uplink	15:31:22.158	DCCH	RRC_CONNECTION_SETUP_COMPLETE
25368.	UMTS FDD	Uplink	15:31:22.159	DCCH	INITIAL_DIRECT_TRANSFER
25369.	UMTS FDD	Uplink	15:31:22.159	DCCH	CM_SERVICE_REQUEST
25370.	UMTS FDD	Uplink	15:31:22.159	DCCH	INITIAL_DIRECT_TRANSFER
25371.	UMTS FDD	Uplink	15:31:22.159	DCCH	ROUTING_AREA_UPDATE_REQUEST
25372.	UMTS FDD	Downlink	15:31:22.412	DCCH	MEASUREMENT_CONTROL
25373.	UMTS FDD	Downlink	15:31:22.452	DCCH	SECURITY_MODE_COMMAND
25374.	UMTS FDD	Uplink	15:31:22.452	DCCH	SECURITY_MODE_COMPLETE
25375.	UMTS FDD	Uplink	15:31:22.533	DCCH	UPLINK_DIRECT_TRANSFER
25376.	UMTS FDD	Uplink	15:31:22.533	DCCH	SETUP
25377.	UMTS FDD	Downlink	15:31:22.552	DCCH	DOWNLINK_DIRECT_TRANSFER
25378.	UMTS FDD	Downlink	15:31:22.552	DCCH	TMSI_REALLOCATION_COMMAND
25379.	UMTS FDD	Uplink	15:31:22.553	DCCH	UPLINK_DIRECT_TRANSFER
25380.	UMTS FDD	Uplink	15:31:22.553	DCCH	TMSI_REALLOCATION_COMPLETE
25381.	UMTS FDD	Downlink	15:31:22.681	DCCH	DOWNLINK_DIRECT_TRANSFER
25382.	UMTS FDD	Downlink	15:31:22.681	DCCH	CALL_PROCEEDING
25383.	UMTS FDD	Uplink	15:31:22.950	DCCH	MEASUREMENT_REPORT
25384.	UMTS FDD	Downlink	15:31:23.072	DCCH	ACTIVE_SET_UPDATE
25385.	UMTS FDD	Uplink	15:31:23.083	DCCH	ACTIVE_SET_UPDATE_COMPLETE
25386.	UMTS FDD	Uplink	15:31:25.437	DCCH	UPLINK_DIRECT_TRANSFER
25387.	UMTS FDD	Uplink	15:31:25.437	DCCH	DISCONNECT
25388.	UMTS FDD	Downlink	15:31:25.532	DCCH	DOWNLINK_DIRECT_TRANSFER
25389.	UMTS FDD	Downlink	15:31:25.532	DCCH	RELEASE
25390.	UMTS FDD	Uplink	15:31:25.533	DCCH	UPLINK_DIRECT_TRANSFER
25391.	UMTS FDD	Uplink	15:31:25.533	DCCH	RELEASE_COMPLETE
25392.	UMTS FDD	Downlink	15:31:25.592	DCCH	DOWNLINK_DIRECT_TRANSFER
25393.	UMTS FDD	Downlink	15:31:25.592	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
25394.	UMTS FDD	Uplink	15:31:25.629	DCCH	UPLINK_DIRECT_TRANSFER
25395.	UMTS FDD	Uplink	15:31:25.629	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE

Analysis:

- This call failure event occurred on short call at 15:21:25:437 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 323 and RF condition RSCP -96 dBm good but Ec/No -9.3 dB are very good.
- Need to check MT.

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

	1. best active RSCP	Time	Ch	SC	1. best
8236.		15:30:46.700	10690	323	-7.5
8237.	-94.7	15:30:47.172	10690	323	
8238.		15:30:47.172	10690	323	-8.2
8239.	-93.8	15:30:47.832	10690	324	
8240.		15:30:47.832	10690	324	-9.2
8241.	-94.9	15:30:48.174	10690	323	
8242.		15:30:48.174	10690	323	-11.9
8243.	-95	15:30:48.872	10690	323	
8244.		15:30:48.872	10690	323	-10.3
8245.	-104.2	15:30:49.172	10690	323	
8246.		15:30:49.172	10690	323	-11.6
8247.	-102.8	15:30:49.892	10690	323	
8248.		15:30:49.892	10690	323	-12
8249.	-99.8	15:30:50.494	10690	323	
8250.		15:30:50.494	10690	323	-10.6
8251.	-98.2	15:30:50.992	10690	323	
8252.		15:30:50.992	10690	323	-9.4
8253.	-96.7	15:30:51.235	10690	323	
8254.		15:30:51.235	10690	323	-10.1
8255.	-93.8	15:30:51.755	10690	323	
8256.		15:30:51.755	10690	323	-9.4
8257.	-98.7	15:30:52.403	10690	323	
8258.		15:30:52.403	10690	323	-11
8259.	-102.1	15:30:53.081	10690	324	
8260.		15:30:53.081	10690	324	-11.1
8261.	-97	15:31:26.153	10690	323	
8262.		15:31:26.153	10690	323	-7.2
8263.	-97	15:31:26.758	10690	323	
8264.		15:31:26.758	10690	323	-7.5
8265.	-97	15:31:26.854	10690	323	
8266.		15:31:26.854	10690	323	-8.8
8267.	-97	15:31:27.745	10690	323	
8268.		15:31:27.745	10690	323	-11.3
8269.	-97	15:31:28.199	10690	323	
8270.		15:31:28.199	10690	323	-11.6
8271.	-97	15:31:28.758	10690	323	

	Event ID	System	Transf. dir.	Time	Subchannel	Message name
24561.	RRCSM	LTE FDD	Uplink	15:31:25.355	DCCH	RRCConnectionReconfigurationComplete
24562.	RRCSM	LTE FDD	Uplink	15:31:25.851	DCCH	MeasurementReport
24563.	RRCSM	LTE FDD	Downlink	15:31:25.872	DCCH	RRCConnectionRelease
24564.	RRCSM	UMTS FDD	Downlink	15:31:25.872	BCCH	SYSTEM_INFORMATION_CONTAINER
24565.	RRCSM	UMTS FDD	Downlink	15:31:25.872	BCCH	SYSTEM_INFORMATION_CONTAINER
24566.	RRCSM	UMTS FDD	Downlink	15:31:25.872	BCCH	SYSTEM_INFORMATION_CONTAINER
24567.	RRCSM	UMTS FDD	Downlink	15:31:25.872	BCCH	SYSTEM_INFORMATION_CONTAINER
24568.	RRCSM	UMTS FDD	Downlink	15:31:25.872	BCCH	SYSTEM_INFORMATION_CONTAINER
24569.	RRCSM	UMTS FDD	Downlink	15:31:25.872	BCCH	SYSTEM_INFORMATION_CONTAINER
24570.	RRCSM	UMTS FDD	Downlink	15:31:25.872	BCCH	SYSTEM_INFORMATION_CONTAINER
24571.	RRCSM	UMTS FDD	Downlink	15:31:25.872	BCCH	SYSTEM_INFORMATION_CONTAINER
24572.	RRCSM	UMTS FDD	Uplink	15:31:26.187	CCCH	RRC_CONNECTION_REQUEST
24573.	RRCSM	UMTS FDD	Downlink	15:31:26.215	BCCH_BCH	SYSTEM_INFORMATION_BCH
24574.	RRCSM	UMTS FDD	Downlink	15:31:26.215	BCCH	MASTER_INFORMATION_BLOCK
24575.	RRCSM	UMTS FDD	Downlink	15:31:26.215	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
24576.	RRCSM	UMTS FDD	Downlink	15:31:26.235	BCCH_BCH	SYSTEM_INFORMATION_BCH
24577.	RRCSM	UMTS FDD	Downlink	15:31:26.235	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_2
24578.	RRCSM	UMTS FDD	Downlink	15:31:26.235	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
24579.	RRCSM	UMTS FDD	Downlink	15:31:26.255	BCCH_BCH	SYSTEM_INFORMATION_BCH
24580.	RRCSM	UMTS FDD	Downlink	15:31:26.275	BCCH_BCH	SYSTEM_INFORMATION_BCH
24581.	RRCSM	UMTS FDD	Downlink	15:31:26.295	BCCH_BCH	SYSTEM_INFORMATION_BCH
24582.	RRCSM	UMTS FDD	Downlink	15:31:26.295	BCCH	MASTER_INFORMATION_BLOCK
24583.	RRCSM	UMTS FDD	Downlink	15:31:26.295	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
24584.	RRCSM	UMTS FDD	Downlink	15:31:26.315	BCCH_BCH	SYSTEM_INFORMATION_BCH
24585.	RRCSM	UMTS FDD	Downlink	15:31:26.329	CCCH	RRC_CONNECTION_SETUP
24586.	RRCSM	UMTS FDD	Uplink	15:31:26.379	DCCH	RRC_CONNECTION_SETUP_COMPLETE
24587.	RRCSM	UMTS FDD	Uplink	15:31:26.380	DCCH	INITIAL_DIRECT_TRANSFER
24588.	L3SM	UMTS FDD	Uplink	15:31:26.380	DCCH	PAGING_RESPONSE
24589.	RRCSM	UMTS FDD	Uplink	15:31:26.380	DCCH	INITIAL_DIRECT_TRANSFER
24590.	L3SM	UMTS FDD	Uplink	15:31:26.380	DCCH	ROUTING_AREA_UPDATE_REQUEST
24591.	RRCSM	UMTS FDD	Downlink	15:31:27.642	DCCH	MEASUREMENT_CONTROL
24592.	RRCSM	UMTS FDD	Downlink	15:31:27.742	DCCH	RRC_CONNECTION_RELEASE
24593.	RRCSM	UMTS FDD	Uplink	15:31:27.742	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
24594.	RRCSM	UMTS FDD	Uplink	15:31:27.782	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
24595.	RRCSM	UMTS FDD	Downlink	15:31:27.975	BCCH_BCH	SYSTEM_INFORMATION_BCH
24596.	RRCSM	UMTS FDD	Downlink	15:31:27.975	BCCH	MASTER_INFORMATION_BLOCK

Analysis:

- On MT End, During the setup fail, UE was latched with PSC 324 and RF condition RSCP 102.1 dBm is good and EC/NO -11.1 which is good.
- As per the analysis call failure happened from network end.

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

	Time	System	Serving band	
1.	15:31:25.437	UMTS FDD	2100	Call
2.	15:44:36.734	GSM	900	Dro

	Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ sub
291.	15:44:27.841	-98	18	18	2		
292.	15:44:28.035						3
293.	15:44:28.312	-93	18	18	2		
294.	15:44:28.506						0
295.	15:44:28.977	-92	18	18	2		
296.	15:44:28.977						0
297.	15:44:29.448						0
298.	15:44:29.918	-94	18	18	2		
299.	15:44:29.918						0
300.	15:44:30.269	-91	18	18	2		
301.	15:44:30.389						1
302.	15:44:30.860						3
303.	15:44:30.901	-97	18	18	2		
304.	15:44:31.331						4
305.	15:44:31.372	-94	18	18	2		
306.	15:44:31.801						5
307.	15:44:31.860	-97	18	18	2		
308.	15:44:32.272						6
309.	15:44:32.313	-97	18	18	2		
310.	15:44:32.743						5
311.	15:44:32.784	-95	18	18	2		
312.	15:44:33.214						5
313.	15:44:33.268	-92	18	18	2		
314.	15:44:33.684						6
315.	15:44:34.035	-94	18	18	2		
316.	15:44:34.155						0
317.	15:44:34.626						0
318.	15:44:34.651	-91	18	18	2		
319.	15:44:35.097						0
320.	15:44:35.138	-89	18	18	2		
321.	15:44:35.568						0
322.	15:44:35.644	-99	18	18	2		
323.	15:44:36.038	-92	18	18	2		
324.	15:44:36.038						0
325.	15:44:36.416						7
326.	15:44:36.738	-92	24	18	2		
327.	15:44:36.896						5

	System	Transf. dir.	Time	Subchannel	Message name
28020.	GSM	Downlink	15:44:31.681	SACCH	MEASUREMENT_INFORMATION
28021.	GSM	Uplink	15:44:31.801	SACCH	MEASUREMENT_REPORT
28022.	GSM	Downlink	15:44:32.152	SACCH	MEASUREMENT_INFORMATION
28023.	GSM	Uplink	15:44:32.272	SACCH	MEASUREMENT_REPORT
28024.	GSM	Downlink	15:44:32.623	SACCH	MEASUREMENT_INFORMATION
28025.	GSM	Uplink	15:44:32.743	SACCH	MEASUREMENT_REPORT
28026.	GSM	Downlink	15:44:33.094	SACCH	SYSTEM_INFORMATION_TYPE_5
28027.	GSM	Uplink	15:44:33.214	SACCH	MEASUREMENT_REPORT
28028.	GSM	Downlink	15:44:33.564	SACCH	SYSTEM_INFORMATION_TYPE_5TER
28029.	GSM	Uplink	15:44:33.684	SACCH	MEASUREMENT_REPORT
28030.	GSM	Downlink	15:44:34.035	SACCH	SYSTEM_INFORMATION_TYPE_6
28031.	GSM	Uplink	15:44:34.155	SACCH	MEASUREMENT_REPORT
28032.	GSM	Downlink	15:44:34.506	SACCH	MEASUREMENT_INFORMATION
28033.	GSM	Uplink	15:44:34.626	SACCH	MEASUREMENT_REPORT
28034.	GSM	Downlink	15:44:34.977	SACCH	MEASUREMENT_INFORMATION
28035.	GSM	Uplink	15:44:35.097	SACCH	MEASUREMENT_REPORT
28036.	GSM	Downlink	15:44:35.447	SACCH	MEASUREMENT_INFORMATION
28037.	GSM	Uplink	15:44:35.568	SACCH	MEASUREMENT_REPORT
28038.	GSM	Downlink	15:44:35.918	SACCH	SYSTEM_INFORMATION_TYPE_5
28039.	GSM	Uplink	15:44:36.038	SACCH	MEASUREMENT_REPORT
28040.	GSM	Downlink	15:44:36.080	DCCH	ASSIGNMENT_COMMAND
28041.	GSM	Uplink	15:44:36.140	DCCH	ASSIGNMENT_COMPLETE
28042.	GSM	Uplink	15:44:36.416	SACCH	MEASUREMENT_REPORT
28043.	GSM	Downlink	15:44:36.480	DCCH	DISCONNECT
28044.	GSM	Uplink	15:44:36.540	DCCH	RELEASE
28045.	GSM	Downlink	15:44:36.849	SACCH	SYSTEM_INFORMATION_TYPE_5
28046.	GSM	Uplink	15:44:36.896	SACCH	MEASUREMENT_REPORT
28047.	GSM	Downlink	15:44:36.942	DCCH	RELEASE_COMPLETE
28048.	GSM	Downlink	15:44:37.062	DCCH	CHANNEL_RELEASE
28049.	LTE FDD	Downlink	15:44:37.301	BCCH-BCH	MasterInformationBlock
28050.	LTE FDD	Downlink	15:44:37.345	BCCH-SCH	SystemInformationBlockType1
28051.	LTE FDD	Downlink	15:44:37.345	BCCH-SCH	SystemInformation - SIB2,SIB3
28052.	LTE FDD	Downlink	15:44:37.345	BCCH-SCH	SystemInformation - SIB5
28053.	LTE FDD	Uplink	15:44:37.361		TRACKING_AREA_UPDATE_REQUEST
28054.	LTE FDD	Uplink	15:44:37.362	CCCH	RRCConnectionRequest
28055.	LTE FDD	Downlink	15:44:37.423	CCCH	RRCConnectionSetup
28056.	LTE FDD	Uplink	15:44:37.428	DCCH	RRCConnectionSetupComplete

Analysis:

- This call failure event occurred on short call at 15:44:36:778 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 110 and RF condition Rx lev -80 dBm is good and Rx qual 0 dB was very good.
- As per the Analysis the call setup failure event occurred due to poor quality in the network.

THANKS