

Seychelles Test Drive

Mont Fleuri Phase-2 Report

Phase-1 Dates- 07th Oct 2024



Route Name: Mahe

District Name: Mont Fleuri

Region: Central

Island: Mahé

Drive Test Distance: 17.84 kms

Drive Test Duration: 01 hours,34 minutes,13 seconds

Phase-2 Dates- 21st Oct 2024



Route Name: Mahe

District Name: Mont Fleuri

Region: Central

Island: Mahé

Drive Test Distance: 19.21 kms

Drive Test Duration: 01 hours,25 minutes,55 seconds

Phase-1

Short Call Findings:

- The Call Setup Success Rate for Airtel is (99.16%), while for Operator CWS it is (97.41%).
- The Call Setup Time for Airtel is (6.77s) , while for Operator CWS it is (8.11s)

Long Call Findings :

- The Call Retainability for Airtel is (100.00%), while for CWS it is (93.55%).
- The MOS quality observed for Airtel is (3.02), and for CWS, it is (3.31).

Phase-2

Short Call Findings:

- The Call Setup Success Rate for Airtel is (99.07%), while for Operator CWS it is (96.15%).
- The Call Setup Time for Airtel is (6.92s), while for Operator CWS it is (8.21s)

Long Call Findings :

- The Call Retainability for Airtel is (100.00%), while for CWS it is (92.59%).
- The MOS quality observed for Airtel is (3.12), and for CWS, it is (3.47).

Phase-1

4G Preferred Data Findings:

- Airtel SFTP DL is (7.40 Mbps), while SFTP UL is (4.26 Mbps), CWS SFTP DL is (3.12 Mbps), while SFTP UL is (2.44 Mbps)
- Airtel HTTP DL is (9.69 Mbps), HTTP Capacity DL is (12.94 Mbps) ,HTTP UL is (6.65 Mbps) , and HTTP Capacity UL is (12.91 Mbps).
- CWS HTTP DL is (5.26 Mbps), HTTP Capacity DL is (14.71 Mbps) ,HTTP UL is (4.67 Mbps) , and HTTP Capacity UL is (9.10 Mbps).
- On live web page testing for browsing, www.shein.com took (8.22s), www.nbs.gov.sc took (18.97s), and www.sbc.sc took (25.62s) on Airtel.
- On live web page testing for browsing, www.shein.com took (7.97s), www.nbs.gov.sc took (16.18s), and www.sbc.sc took (20.40s) on CWS.
- On static browsing, Kepler Webpage took (4.62s), and Kepler Mobile took (1.78s) on Airtel.
- On static browsing, Kepler Webpage took (4.89s), and Kepler Mobile took (2.77s) on CWS.
- YouTube average resolution in Airtel is (967.85) pixels.
- YouTube average resolution in CWS is (1043.72) pixels.
- Airtel scored 51.30% in Carrier Aggregation (CA).
- CWS scored 24.06% in Carrier Aggregation (CA).

Phase-2

4G Preferred Data Findings:

- Airtel SFTP DL is (4.84 Mbps), while SFTP UL is (4.86 Mbps), CWS SFTP DL is (5.29 Mbps), while SFTP UL is (3.86 Mbps)
- Airtel HTTP DL is (7.19 Mbps), HTTP Capacity DL is (6.96 Mbps) ,HTTP UL is (8.00 Mbps) , and HTTP Capacity UL is (13.31 Mbps).
- CWS HTTP DL is (7.05 Mbps), HTTP Capacity DL is (25.57 Mbps) ,HTTP UL is (7.72 Mbps) , and HTTP Capacity UL is (30.73 Mbps).
- On live web page testing for browsing, www.shein.com took (8.87s), www.nbs.gov.sc took (20.33s), and www.sbc.sc took (21.30s) on Airtel.
- On live web page testing for browsing, www.shein.com took (8.61s), www.nbs.gov.sc took (17.70s), and www.sbc.sc took (18.13s) on CWS.
- On static browsing, Kepler Webpage took (4.68s), and Kepler Mobile took (1.89s) on Airtel.
- On static browsing, Kepler Webpage took (5.46s), and Kepler Mobile took (2.96s) on CWS.
- YouTube average resolution in Airtel is (1039.48) pixels.
- YouTube average resolution in CWS is (1022.02) pixels.
- Airtel scored 48.73% in Carrier Aggregation (CA).
- CWS scored 21.92% in Carrier Aggregation (CA).

Phase-1

3G Preferred Data Test Findings:

- Airtel SFTP DL is (3.29 Mbps), while SFTP UL is (1.40 Mbps), CWS SFTP DL is (3.48 Mbps), while SFTP UL is (1.15 Mbps)
- Airtel HTTP DL is (3.40 Mbps), HTTP Capacity DL is (4.20 Mbps) ,HTTP UL is (2.36 Mbps) , and HTTP Capacity UL is (4.81 Mbps).
- CWS HTTP DL is (3.19 Mbps), HTTP Capacity DL is (8.61 Mbps) ,HTTP UL is (2.22 Mbps) , and HTTP Capacity UL is (5.18Mbps).
- On live web page testing for browsing, www.shein.com took (14.22s), www.nbs.gov.sc took (16.78s), and www.sbc.sc took (22.56s) on Airtel.
- On live web page testing for browsing, www.shein.com took (12.67s), www.nbs.gov.sc took (11.01s), and www.sbc.sc took (13.63s) on CWS.
- On static browsing, Kepler Webpage took (4.67s), and Kepler Mobile took (2.12s) on Airtel.
- On static browsing, Kepler Webpage took (6.15s), and Kepler Mobile took (2.90s) on CWS.
- YouTube average resolution in Airtel is (838.84) pixels.
- YouTube average resolution in CWS is (972.01) pixels.

Phase-2

3G Preferred Data Test Findings:

- Airtel SFTP DL is (3.36 Mbps), while SFTP UL is (1.41 Mbps), CWS SFTP DL is (3.08 Mbps), while SFTP UL is (1.07 Mbps)
- Airtel HTTP DL is (3.29 Mbps), HTTP Capacity DL is (3.81 Mbps) ,HTTP UL is (1.67 Mbps) , and HTTP Capacity UL is (4.36 Mbps).
- CWS HTTP DL is (3.35 Mbps), HTTP Capacity DL is (5.81 Mbps) ,HTTP UL is (1.60 Mbps) , and HTTP Capacity UL is (3.18 Mbps).
- On live web page testing for browsing, www.shein.com took (13.83s), www.nbs.gov.sc took (12.96s), and www.sbc.sc took (17.74s) on Airtel.
- On live web page testing for browsing, www.shein.com took (13.49s), www.nbs.gov.sc took (18.73s), and www.sbc.sc took (15.57s) on CWS.
- On static browsing, Kepler Webpage took (4.21s), and Kepler Mobile took (1.88s) on Airtel.
- On static browsing, Kepler Webpage took (11.20s), and Kepler Mobile took (4.93s) on CWS.
- YouTube average resolution in Airtel is (865.48) pixels.
- YouTube average resolution in CWS is (983.32) pixels.

Short Call

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

Long Call

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

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

VOICE TEST KPI STATISTICS (Short Call)

Phase-1

Short Call Statistics		
Short Call Scenario	Operator 1	Operator 2
Voice KPIs	Airtel	CWS
Call Attempt	119	116
Call Failed	1	3
Call Connected	118	113
CSSR[%]	99.16	97.41
USCSR[%]	0.84	2.59
CST [s] Alerting	6.77	8.11
CST [s]Connected	7.02	8.30

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

Call Setup Time (s)	Operators		Rank	
	Airtel	CWS	Airtel	CWS
Overall CST (until ringing/alerting)	6.77	8.11	1	2
CS calls CST (until ringing/alerting)	5.27	8.71	1	2
CSFB calls CST (until ringing/alerting)	6.81	8.10	1	2
Overall CST (until Connect/Connect Acknowledge)	7.02	8.30	1	2
CS calls CST (until Connect/Connect Acknowledge)	5.48	8.86	1	2
CSFB calls CST (until Connect/Connect Acknowledge)	7.06	8.29	1	2

Phase-2

Short Call Statistics		
Short Call Scenario	Operator 1	Operator 2
Voice KPIs	Airtel	CWS
Call Attempt	107	104
Call Failed	1	4
Call Connected	106	100
CSSR[%]	99.07	96.15
USCSR[%]	0.93	3.85
CST [s] Alerting	6.92	8.21
CST [s]Connected	7.09	8.34

Call Setup Time (s)	Operators		Rank	
	Airtel	CWS	Airtel	CWS
Overall CST (until ringing/alerting)	6.92	8.21	1	2
CS calls CST (until ringing/alerting)	8.04	9.86	1	2
CSFB calls CST (until ringing/alerting)	6.89	8.16	1	2
Overall CST (until Connect/Connect Acknowledge)	7.09	8.34	1	2
CS calls CST (until Connect/Connect Acknowledge)	8.26	10.01	1	2
CSFB calls CST (until Connect/Connect Acknowledge)	7.06	8.29	1	2

Phase-1

Long Call Statistics				
Long Call Scenario		Operator 1		Operator 2
Voice KPIs		Airtel		CWS
Call Connected		31		31
Call Dropped		0		2
Call Completed		31		29
CRR[%]		100.00		93.55
DCR[%]		0.00		6.45
MOS		3.02		3.31
	Airtel short call	CWS short call	Airtel long call	CWS long call
CSFB Calls	116	114	30	30
CS Calls	3	2	1	1
Handover Statistics		Airtel MO	CWS MO	
Handover Attempt		61	133	
Handover Failure		4	3	
Handover Success		57	130	
HOSR %		93.44	97.74	

Phase-2

Long Call Statistics				
Long Call Scenario		Operator 1		Operator 2
Voice KPIs		Airte		CWS
Call Connected		29		27
Call Dropped		0		2
Call Completed		29		25
CRR[%]		100.00		92.59
DCR[%]		0.00		7.41
MOS		3.12		3.47
	Airtel short call	CWS short call	Airtel long call	CWS long call
CSFB Calls	104	100	29	27
CS Calls	3	4	0	0
Handover Statistics		Airtel MO	CWS MO	
Handover Attempt		61	84	
Handover Failure		4	4	
Handover Success		57	80	
HOSR %		93.44	95.24	

		Phase-1				Phase-2			
DATA Scenario		Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)	Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	7.40	3.12	1	2	4.84	5.29	2	1
	SFTP UL(Mbps)	4.26	2.44	1	2	4.86	3.86	1	2
	HTTP DL(Mbps)	9.69	5.26	1	2	7.19	7.05	1	2
	HTTP UL(Mbps)	6.65	4.67	1	2	8.00	7.72	1	2
	HTTP Capacity DL(Mbps)	12.94	14.71	2	1	6.96	25.57	2	1
	HTTP Capacity UL(Mbps)	12.91	9.10	1	2	13.31	30.73	2	1
BROWSER	Overall Browser DL Time (s)	11.65	9.69	2	1	11.71	10.47	2	1
	Kepler Webpage DL Time (s)	4.62	4.89	1	2	4.68	5.46	1	2
	Mobile Kepler Webpage DL Time (s)	1.78	2.77	1	2	1.89	2.98	1	2
	www.shein.com Webpage DL Time (s)	8.22	7.97	2	1	8.87	8.61	2	1
	www.nbs.gov.sc Webpage DL Time (s)	18.97	16.18	2	1	20.33	17.70	2	1
	www.sbc.sc Webpage DL Time (s)	25.62	20.40	2	1	21.30	18.13	2	1
LATENCY	Avg Latency (ms)	269.74	184.66	2	1	262.74	318.65	1	2
	Median Latency (ms)	221	194	2	1	150	293	1	2
YOUTUBE	YouTube Access Time (s)	6.55	1.95	2	1	7.87	2.26	2	1
	YouTube Average Resolution (pixels)	967.85	1043.72	2	1	1039.48	1022.02	1	2
	YouTube Success Ratio [%]	100.00	100.00	1	1	93.33	93.33	1	1

Phase-1

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	17	16	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	17	17	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP DL	Success	16	16	100.00	94.12
	Failure	0	1	0.00	5.88
HTTP UL	Success	16	16	94.12	100.00
	Failure	1	0	5.88	0.00
HTTP Capacity DL	Success	14	15	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	15	14	100.00	93.33
	Failure	0	1	0.00	6.67

Phase-2

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	12	14	85.71	100.00
	Failure	2	0	14.29	0.00
SFTP UL	Success	15	15	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP DL	Success	15	15	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	14	14	100.00	93.33
	Failure	0	1	0.00	6.67
HTTP Capacity DL	Success	13	14	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	12	12	92.31	85.71
	Failure	1	2	7.69	14.29

Phase-1

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	14	15	87.50	100.00
	Failure	2	0	12.50	0.00
Mobile Kepler	Success	15	15	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	15	15	93.75	100.00
	Failure	1	0	6.25	0.00
www.nbs.gov.sc	Success	14	13	87.50	92.86
	Failure	2	1	12.50	7.14
www.sbc.sc	Success	14	11	93.33	73.33
	Failure	1	4	6.67	26.67

Phase-2

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	11	15	73.33	100.00
	Failure	4	0	26.67	0.00
Mobile Kepler	Success	13	15	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	14	15	100.00	100.00
	Failure	0	0	0.00	0.00
www.nbs.gov.sc	Success	14	15	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	13	14	92.86	93.33
	Failure	1	1	7.14	6.67

Phase-1

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	32	30
	Average Latency [ms]	264.91	192.57
	Median Latency [ms]	212	198
	Ping session status: Successful	32	30
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	1
	Packet Loss<1%	0.00	3.23
www.google.com	Average Latency [ms]	406.60	172.80
	Median Latency [ms]	403	167
	Ping session status: Successful	15	15
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
102.133.176.104	Average Latency [ms]	139.88	212.33
	Median Latency [ms]	136	208
	Ping session status: Successful	17	15
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	1
	Packet Loss<1%	0.00	6.25

Phase-2

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	27	30
	Average Latency [ms]	262.30	305.23
	Median Latency [ms]	148	285
	Ping session status: Successful	27	30
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	0
	Packet Loss<1%	3.57	0.00
www.google.com	Average Latency [ms]	410.85	210.67
	Median Latency [ms]	403	150
	Ping session status: Successful	13	15
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
102.133.176.104	Average Latency [ms]	124.36	399.80
	Median Latency [ms]	123	384
	Ping session status: Successful	14	15
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	0
	Packet Loss<1%	6.67	0.00



4G PREFERRED YOUTUBE COMPARISON

Phase-1

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	17	16
Success(Count)	17	16
Failure(Count)	0	0
YouTube Access Time (s)	6.55	1.95
YouTube Average Resolution (pixels)	967.85	1043.72
YouTube Success Ratio [%]	100.00	100.00

Phase-2

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	15	15
Success(Count)	14	14
Failure(Count)	1	1
YouTube Access Time (s)	7.87	2.26
YouTube Average Resolution (pixels)	1039.48	1022.02
YouTube Success Ratio [%]	93.33	93.33

		Phase-1				Phase-2			
DATA Scenario		Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)	Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	3.29	3.48	2	1	3.36	3.08	1	2
	SFTP UL(Mbps)	1.40	1.15	1	2	1.41	1.07	1	2
	HTTP DL(Mbps)	3.40	3.19	1	2	3.29	3.35	2	1
	HTTP UL(Mbps)	2.36	2.22	1	2	1.67	1.60	1	2
	HTTP Capacity DL(Mbps)	4.20	8.61	2	1	3.81	5.81	2	1
	HTTP Capacity UL(Mbps)	4.81	5.18	2	1	4.36	3.18	1	2
BROWSER	Overall Browser DL Time (s)	11.99	9.24	2	1	9.85	12.63	1	2
	Kepler Webpage DL Time (s)	4.67	6.15	1	2	4.21	11.20	1	2
	Mobile Kepler Webpage DL Time (s)	2.12	2.90	1	2	1.88	4.93	1	2
	www.shein.com Webpage DL Time (s)	14.22	12.67	2	1	13.83	13.49	2	1
	www.nbs.gov.sc Webpage DL Time (s)	16.78	11.01	2	1	12.96	18.73	1	2
	www.sbc.sc Webpage DL Time (s)	22.56	13.63	2	1	17.74	15.57	2	1
LATENCY	Avg Latency (ms)	301.33	200.91	2	1	278.97	218.51	2	1
	Median Latency (ms)	395	196	2	1	302	181.5	2	1
YOUTUBE	YouTube Access Time (s)	4.30	2.11	2	1	4.09	5.99	1	2
	YouTube Average Resolution (pixels)	838.84	972.01	2	1	865.48	983.32	2	1
	YouTube Success Ratio [%]	100.00	93.33	1	2	100.00	58.33	1	2



3G PREFERRED THROUGHPUT FILE ACCESS

Phase-1

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G (%)	CWS 3G (%)
SFTP DL	Success	15	13	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	15	14	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP DL	Success	15	14	100.00	93.33
	Failure	0	1	0.00	6.67
HTTP UL	Success	15	15	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity DL	Success	14	13	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	14	11	100.00	78.57
	Failure	0	3	0.00	21.43

Phase-2

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G (%)	CWS 3G (%)
SFTP DL	Success	14	4	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	13	4	92.86	100.00
	Failure	1	0	7.14	0.00
HTTP DL	Success	14	7	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	13	7	92.86	58.33
	Failure	1	5	7.14	41.67
HTTP Capacity DL	Success	13	11	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	12	8	100.00	80.00
	Failure	0	2	0.00	20.00

Phase-1

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	13	14	100.00	93.33
	Failure	0	1	0.00	6.67
Mobile Kepler	Success	14	13	100.00	92.86
	Failure	0	1	0.00	7.14
www.shein.com	Success	13	13	92.86	86.67
	Failure	1	2	7.14	13.33
www.nbs.gov.sc	Success	14	14	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	13	13	100.00	92.86
	Failure	0	1	0.00	7.14

Phase-2

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	14	5	100.00	45.45
	Failure	0	6	0.00	54.55
Mobile Kepler	Success	13	10	100.00	90.91
	Failure	0	1	0.00	9.09
www.shein.com	Success	14	7	100.00	63.64
	Failure	0	4	0.00	36.36
www.nbs.gov.sc	Success	13	9	92.86	90.00
	Failure	1	1	7.14	10.00
www.sbc.sc	Success	11	8	84.62	72.73
	Failure	2	3	15.38	27.27

Phase-1

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	20	27
	Average Latency [ms]	373.25	197.81
	Median Latency [ms]	404	195
	Ping session status: Successful	20	27
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	7	1
	Packet Loss<1%	25.93	3.57
www.google.com	Average Latency [ms]	421.43	146.62
	Median Latency [ms]	412	144
	Ping session status: Successful	14	13
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
102.133.176.104	Average Latency [ms]	260.83	245.36
	Median Latency [ms]	258	209
	Ping session status: Successful	6	14
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	7	1
	Packet Loss<1%	53.85	6.67

Phase-2

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	25	20
	Average Latency [ms]	292.44	212.58
	Median Latency [ms]	401	156
	Ping session status: Successful	25	20
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	2	0
	Packet Loss<1%	7.41	0.00
www.google.com	Average Latency [ms]	413.54	148.00
	Median Latency [ms]	409	149
	Ping session status: Successful	13	11
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
102.133.176.104	Average Latency [ms]	161.25	284.33
	Median Latency [ms]	134	227
	Ping session status: Successful	12	9
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	2	0
	Packet Loss<1%	14.29	0.00



3G PREFERRED YOUTUBE COMPARISON

Phase-1

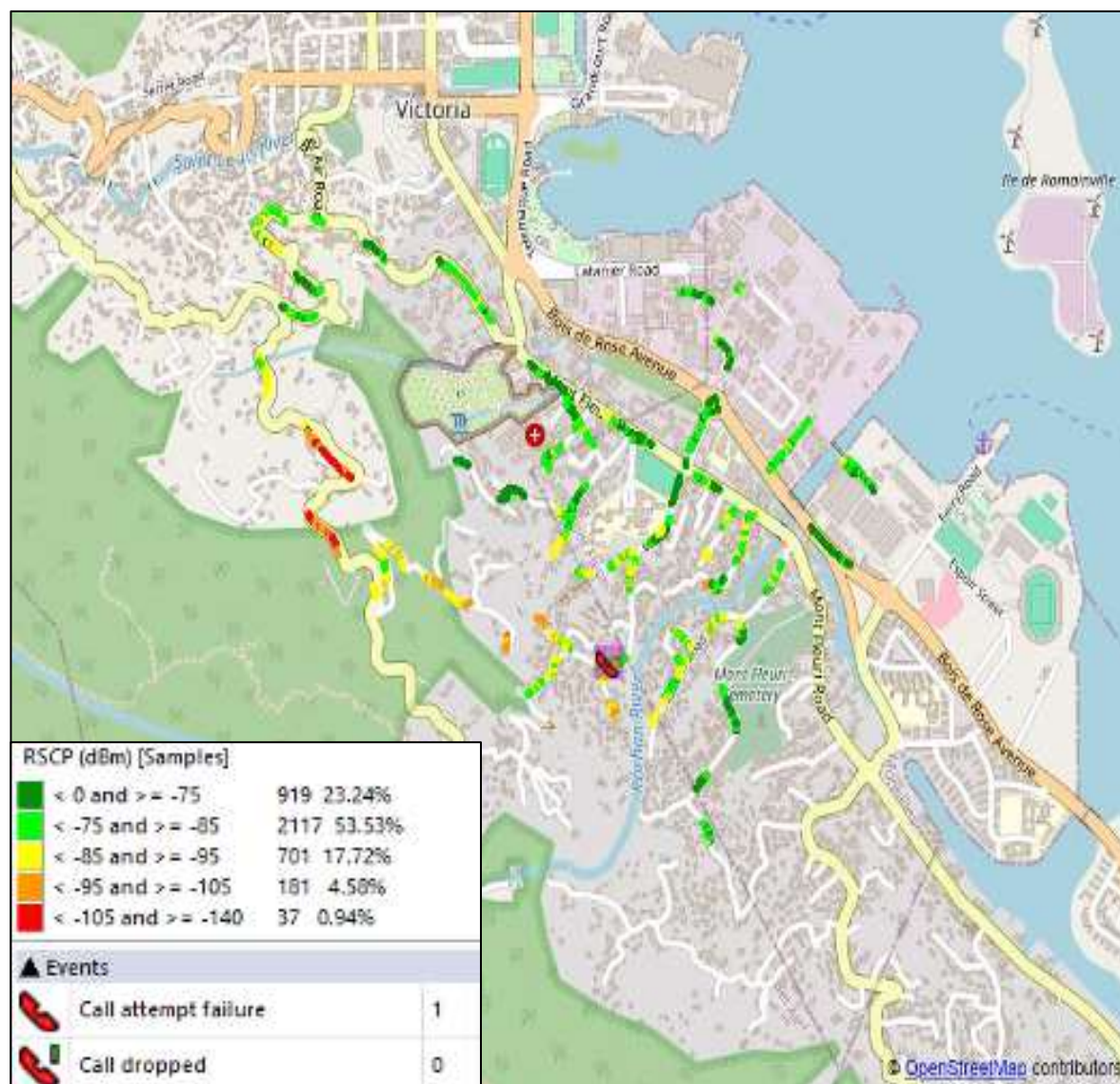
UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	14	15
Success(Count)	14	14
Failure(Count)	0	1
YouTube Access Time (s)	4.30	2.11
YouTube Average Resolution (pixels)	838.84	972.01
YouTube Success Ratio [%]	100.00	93.33

Phase-2

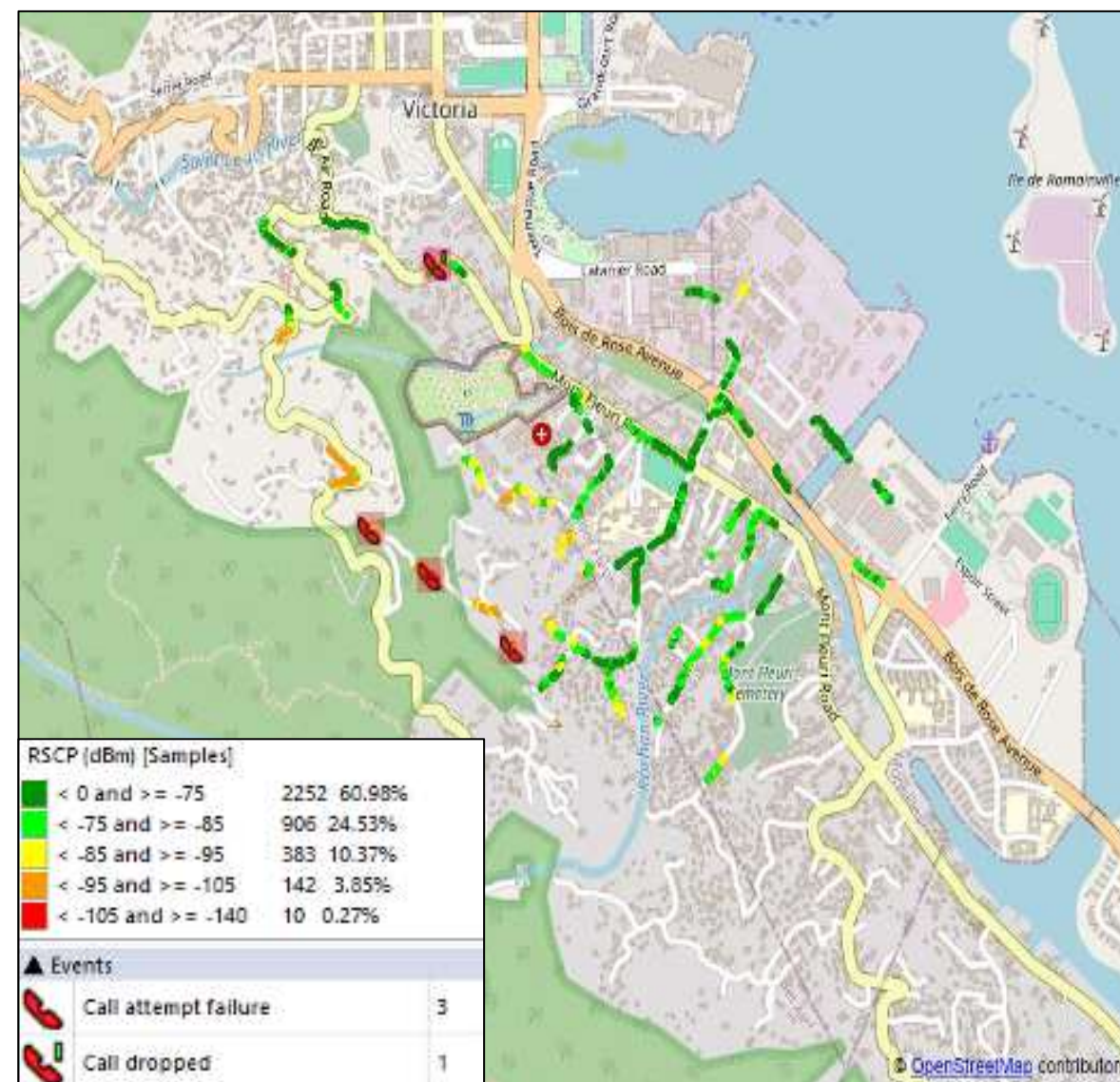
UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	14	12
Success(Count)	14	7
Failure(Count)	0	5
YouTube Access Time (s)	4.09	5.99
YouTube Average Resolution (pixels)	865.48	983.32
YouTube Success Ratio [%]	100.00	58.33

Voice Call Events

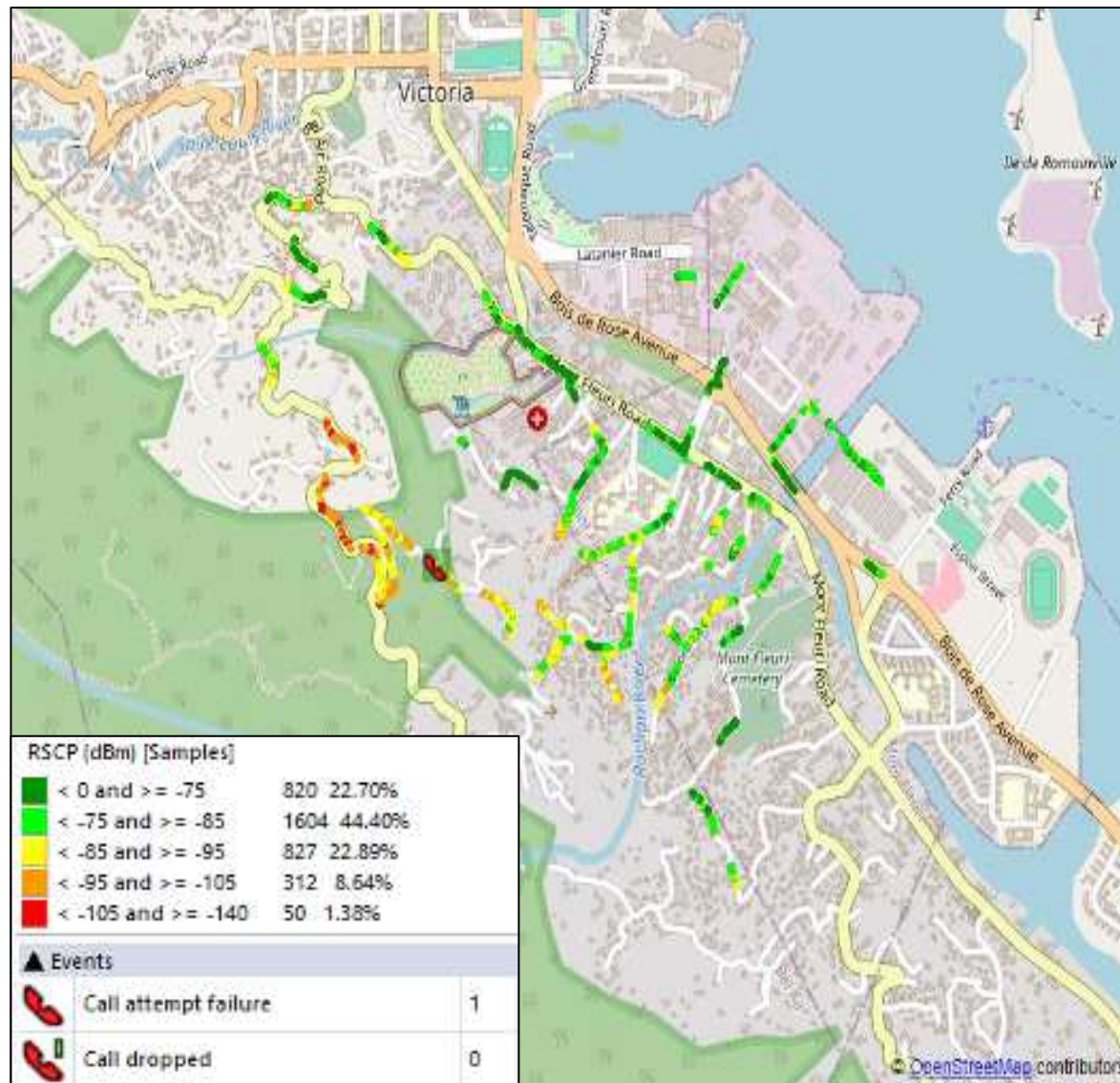
Airtel SC MO



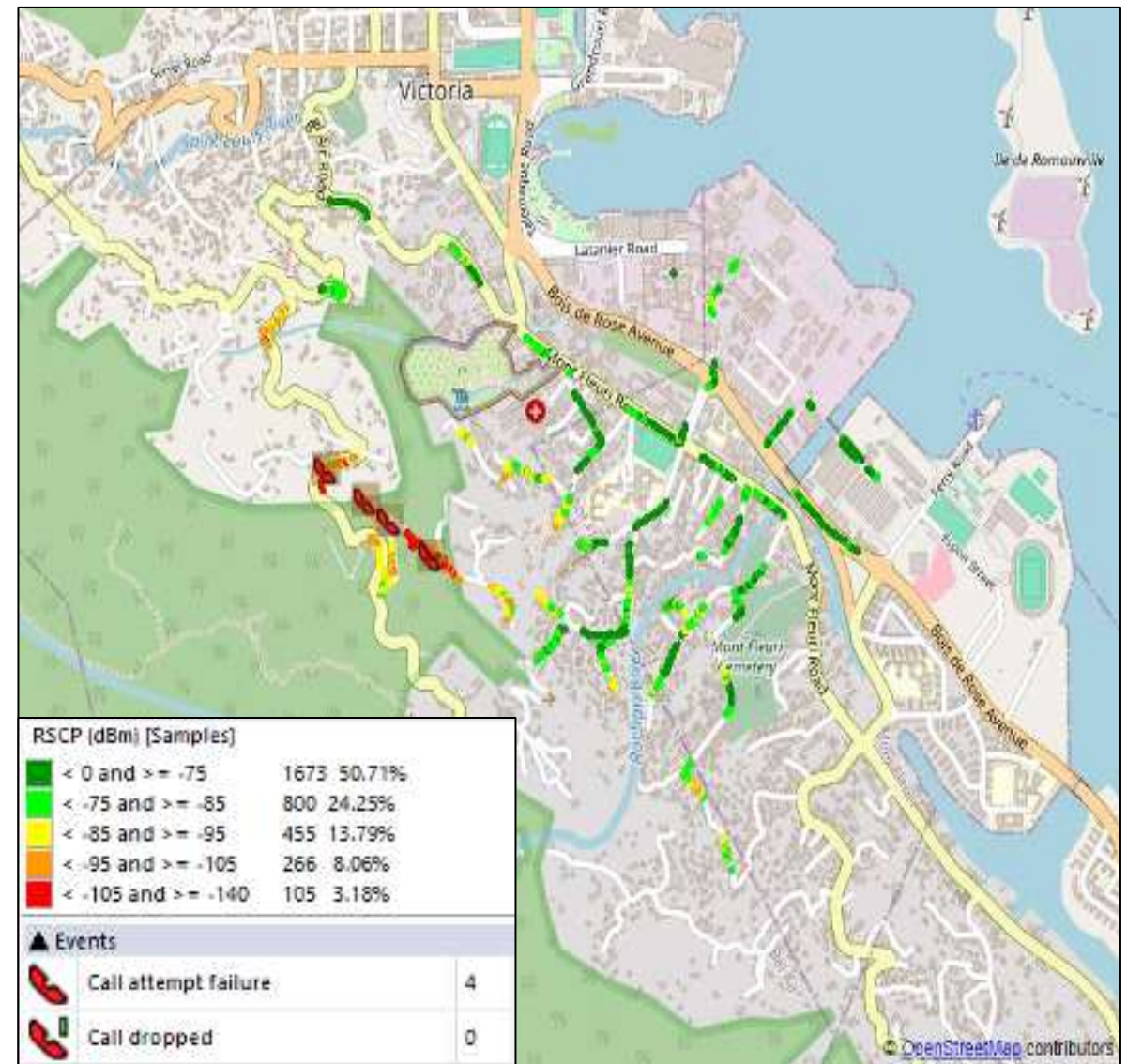
CWS SC MO



Airtel SC MO



CWS SC MO



Airtel SC MO



CWS SC MO



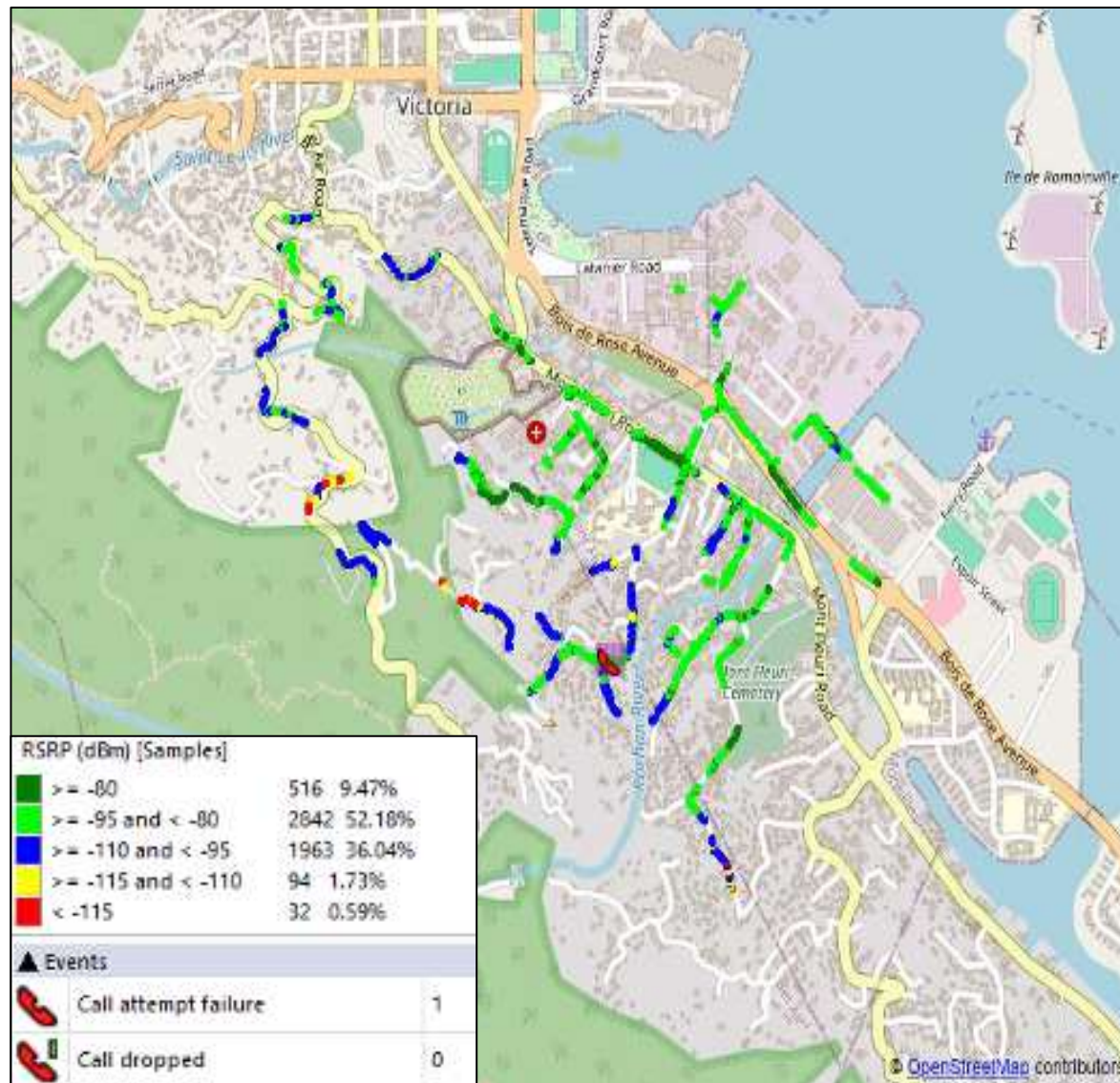
Airtel SC MO



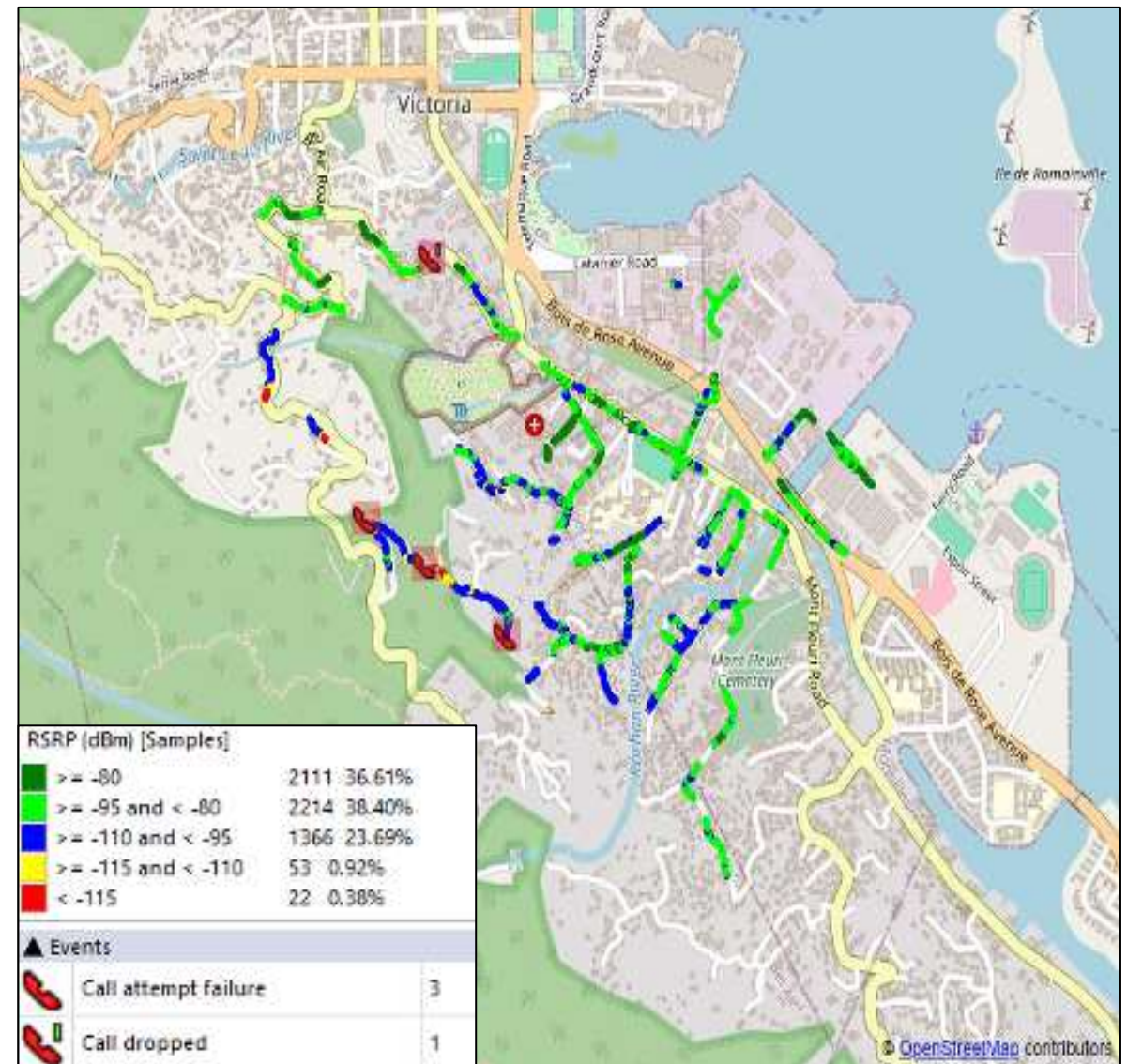
CWS SC MO



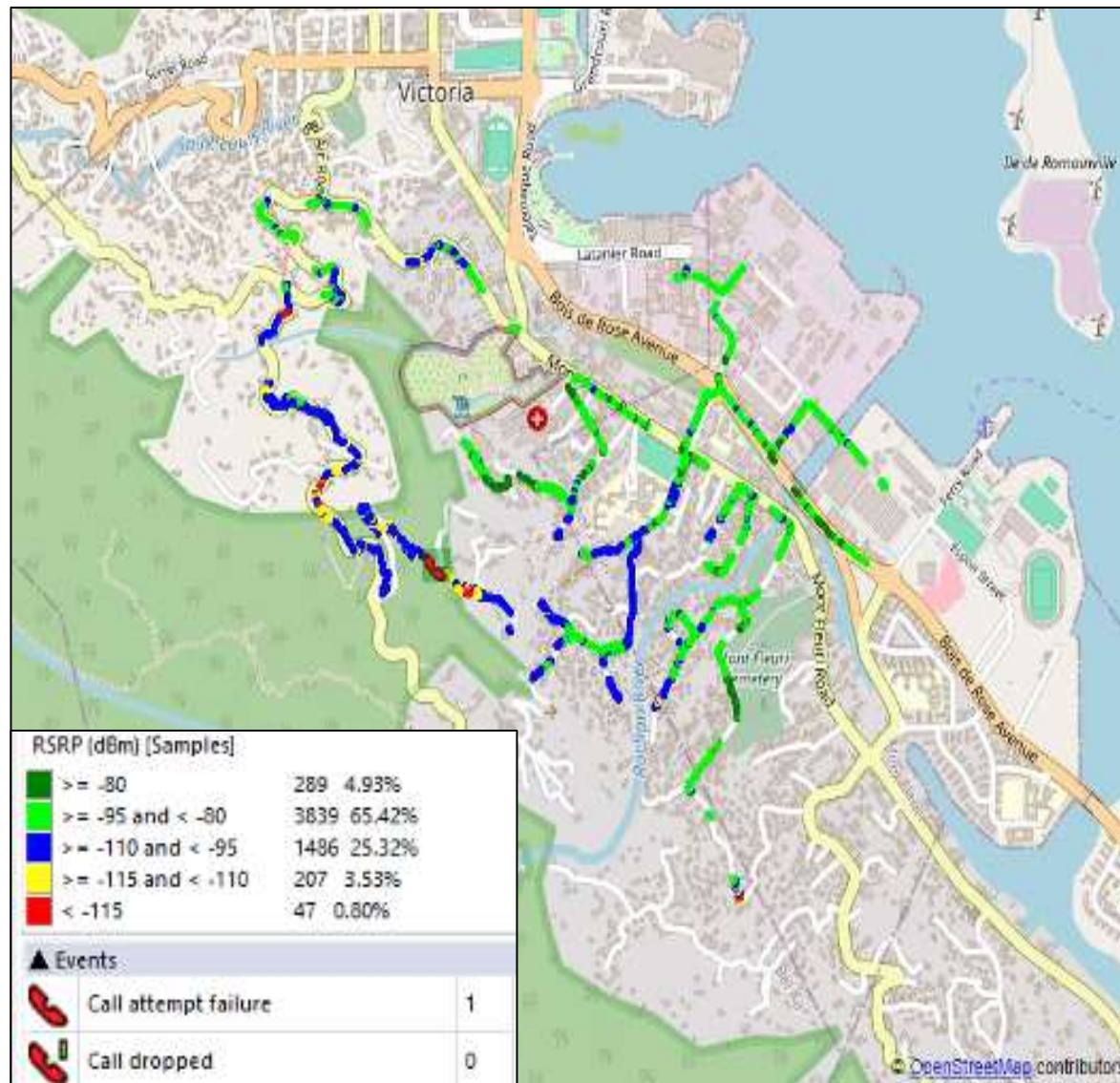
Airtel SC MO



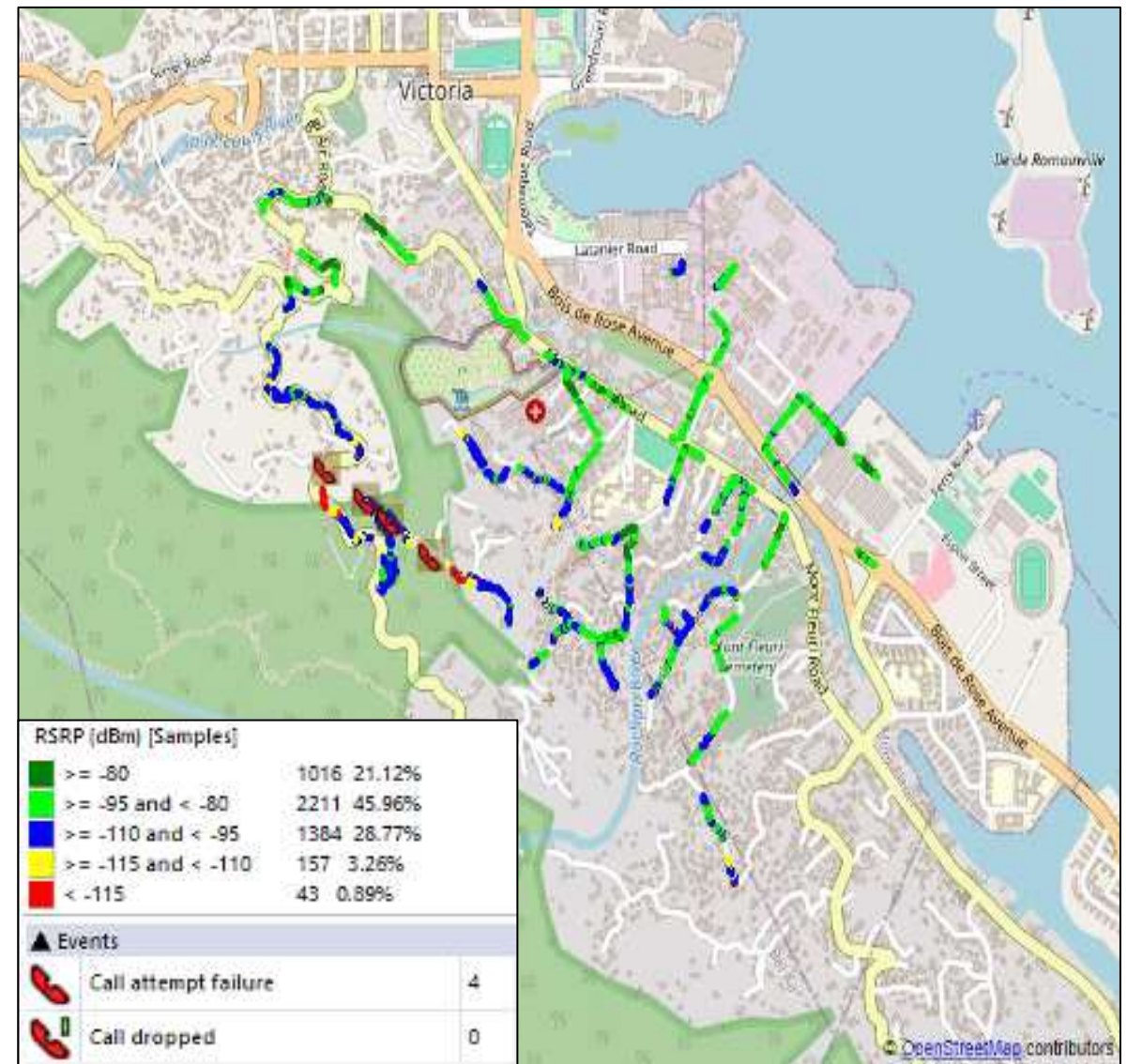
CWS SC MO



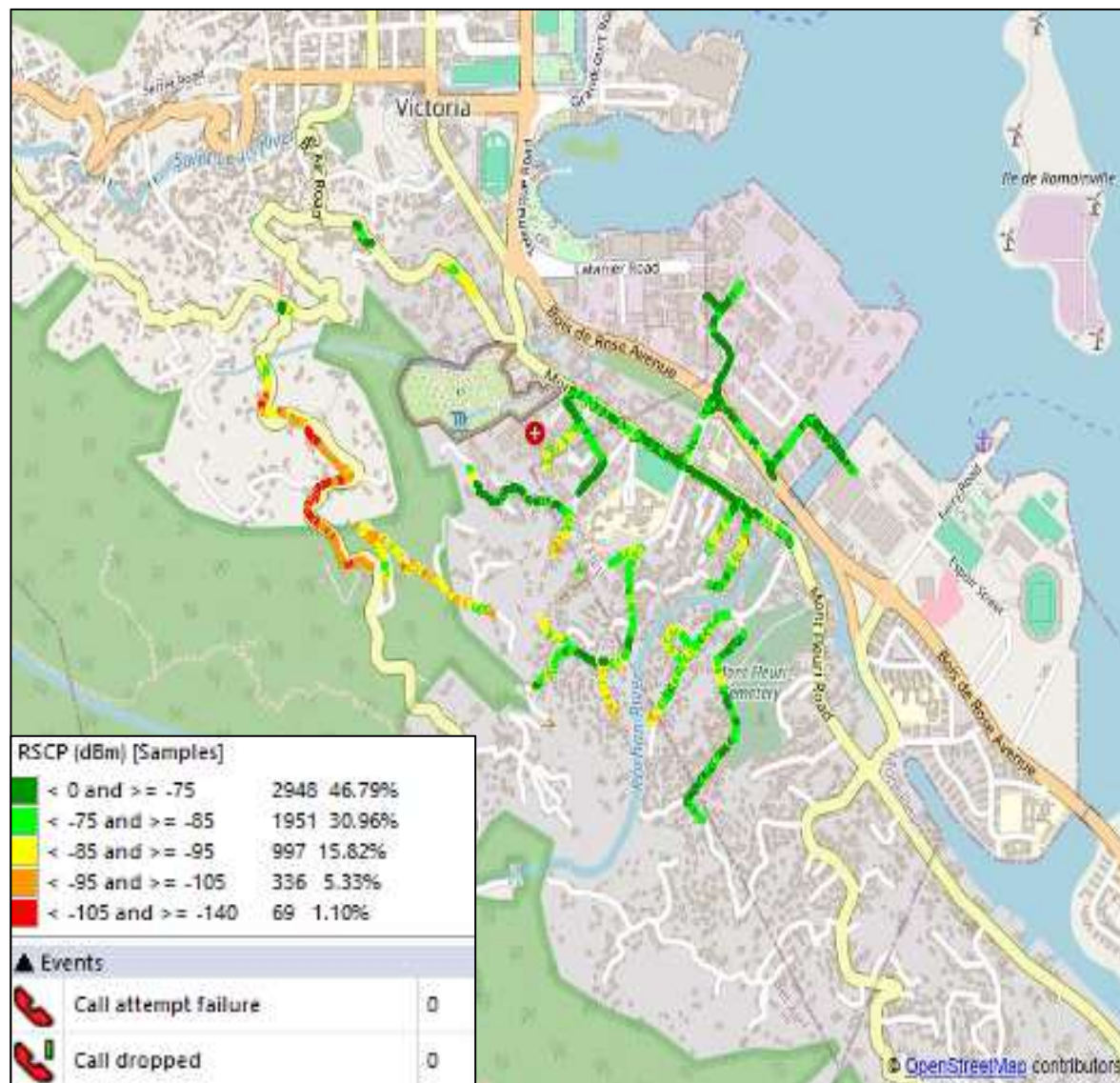
Airtel SC MO



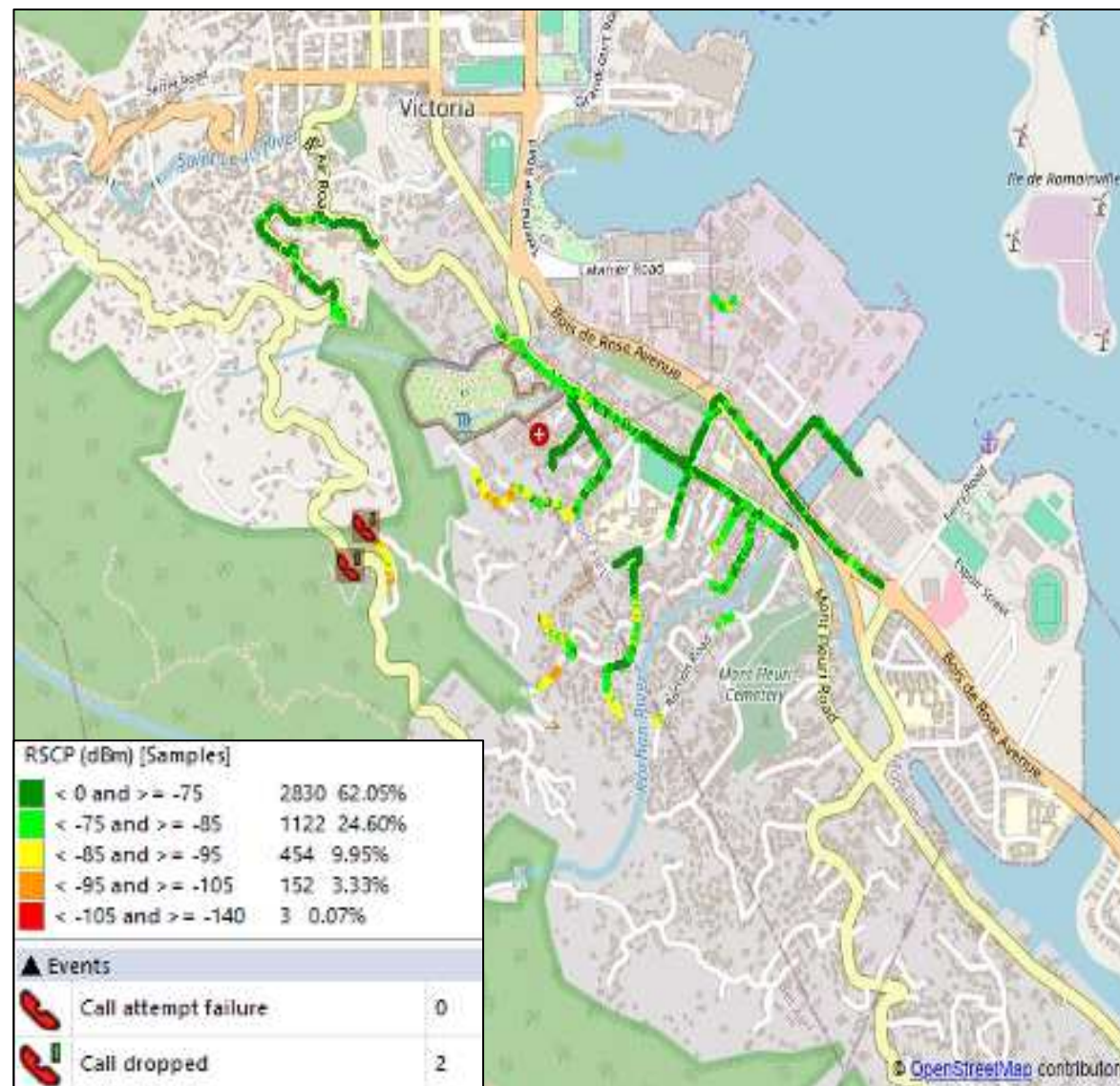
CWS SC MO



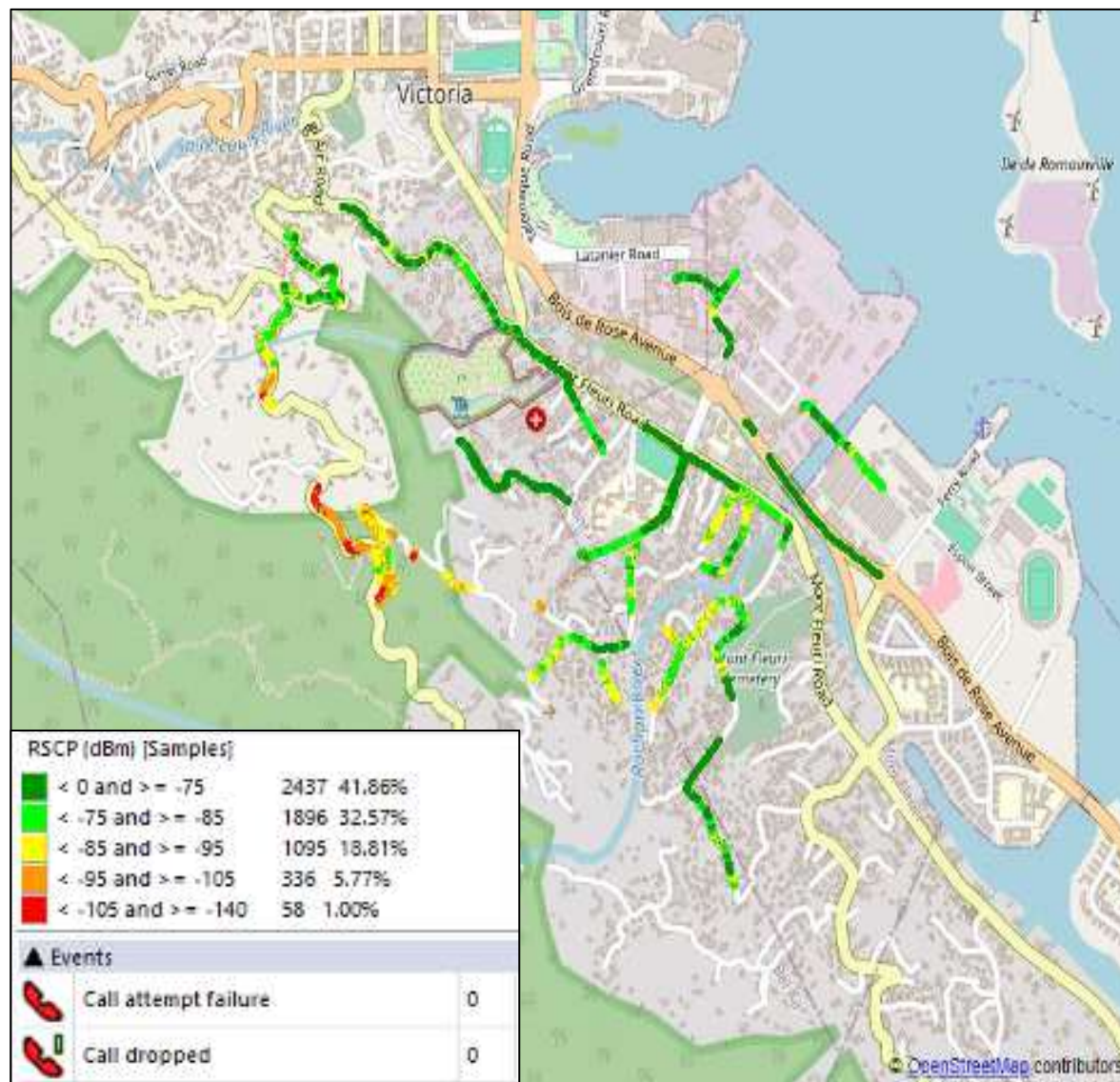
Airtel LC MO



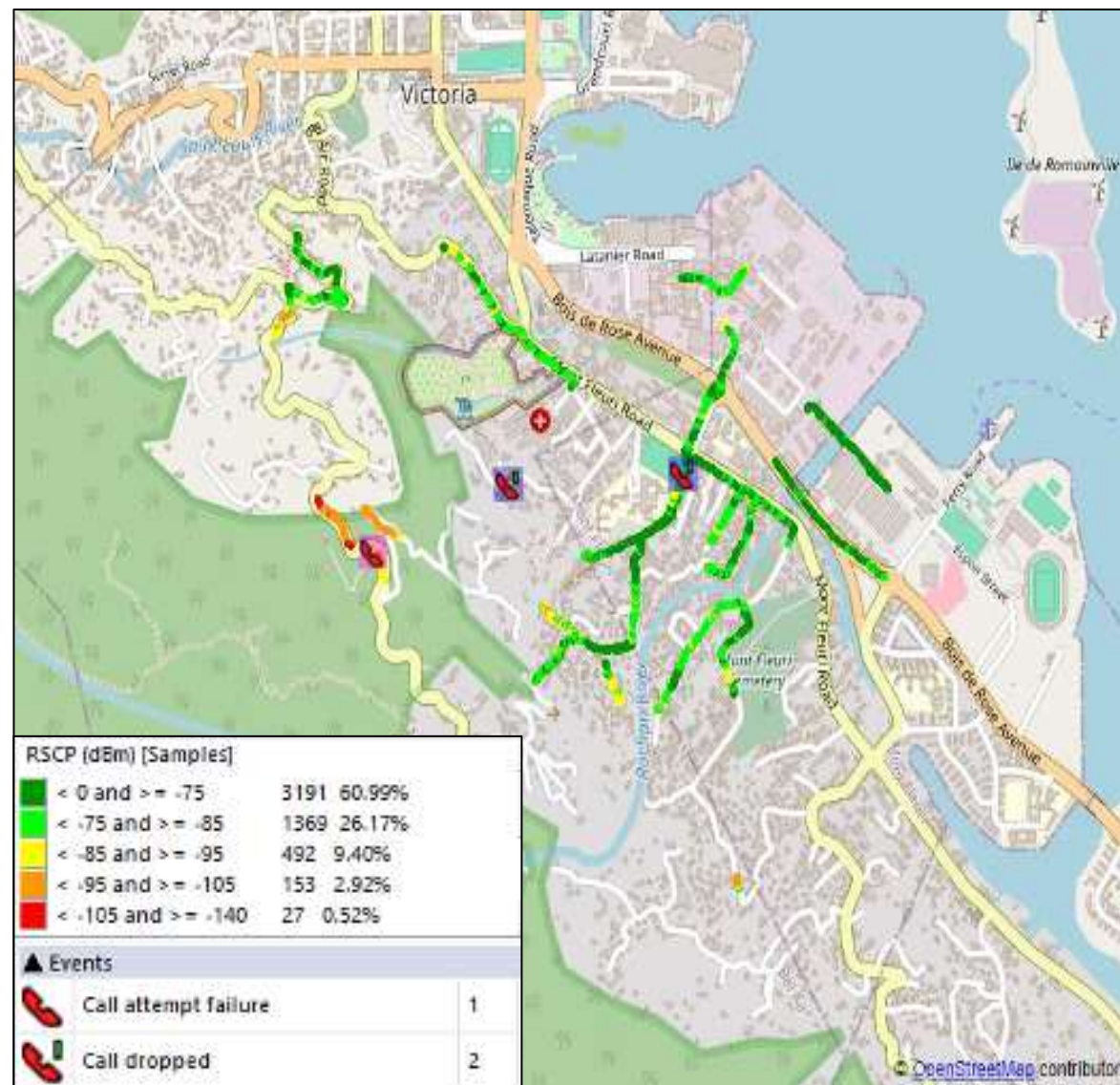
CWS LC MO



Airtel LC MO



CWS LC MO



Airtel LC MO



CWS LC MO



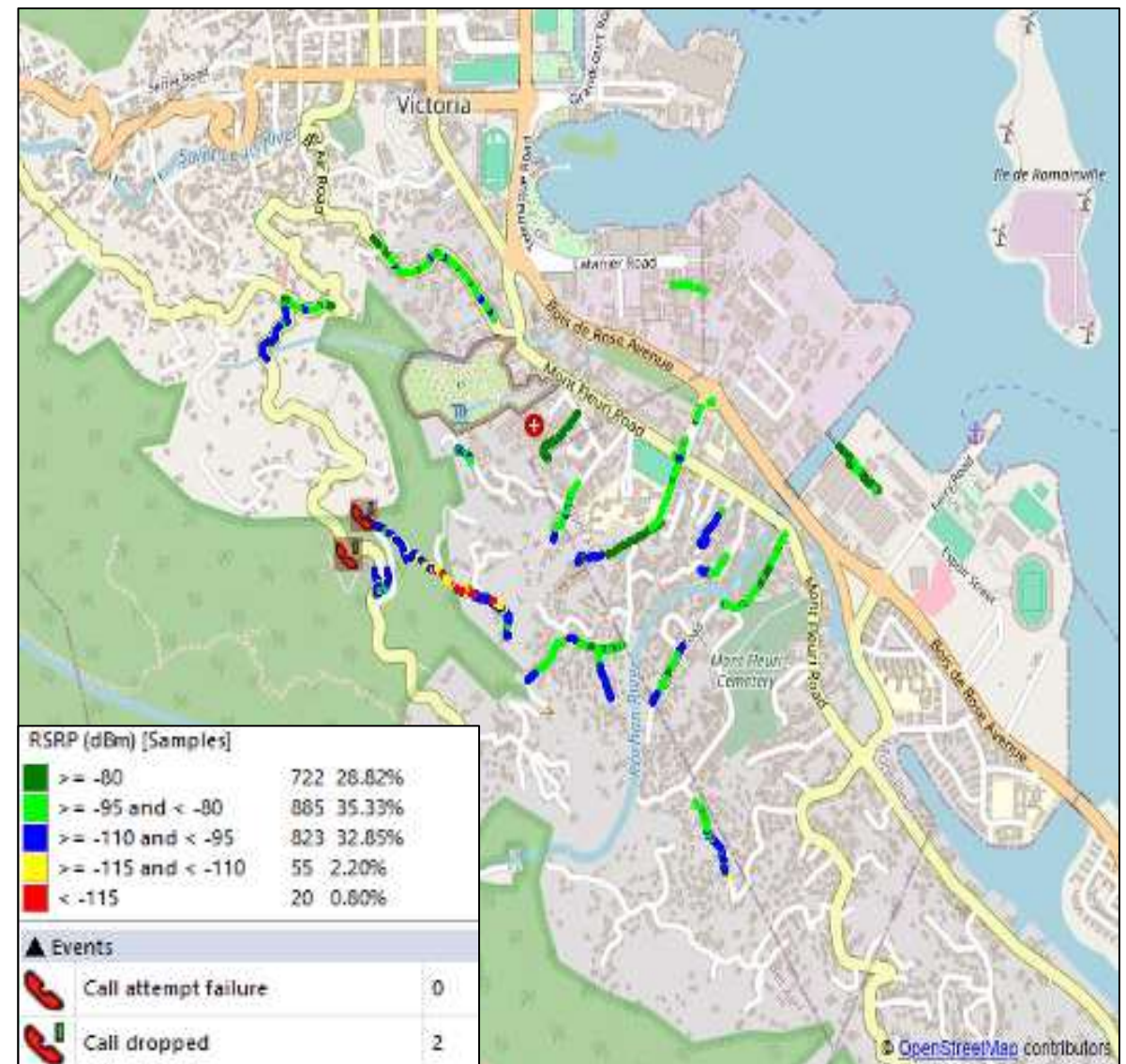
Airtel LC MO



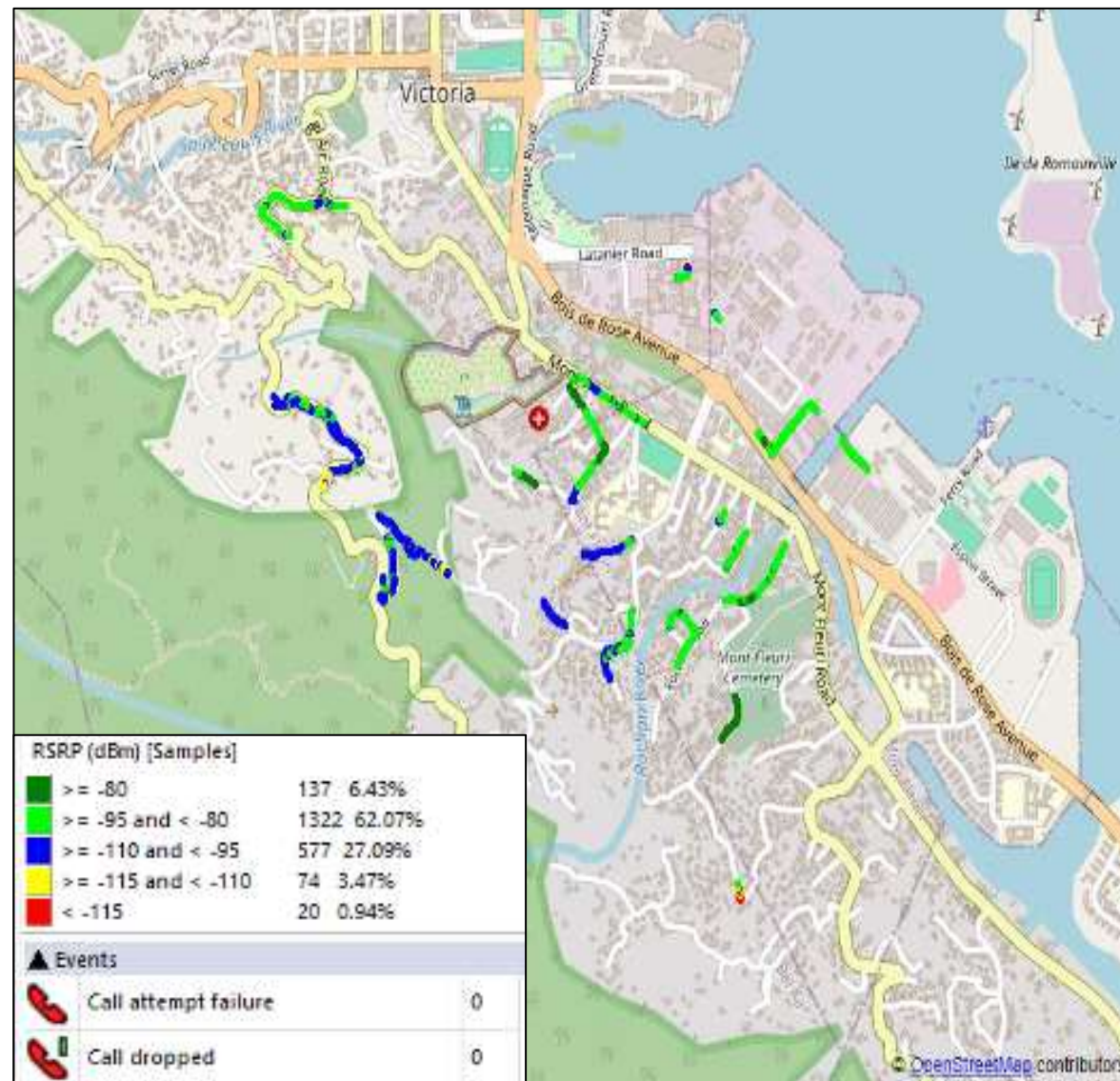
CWS LC MO



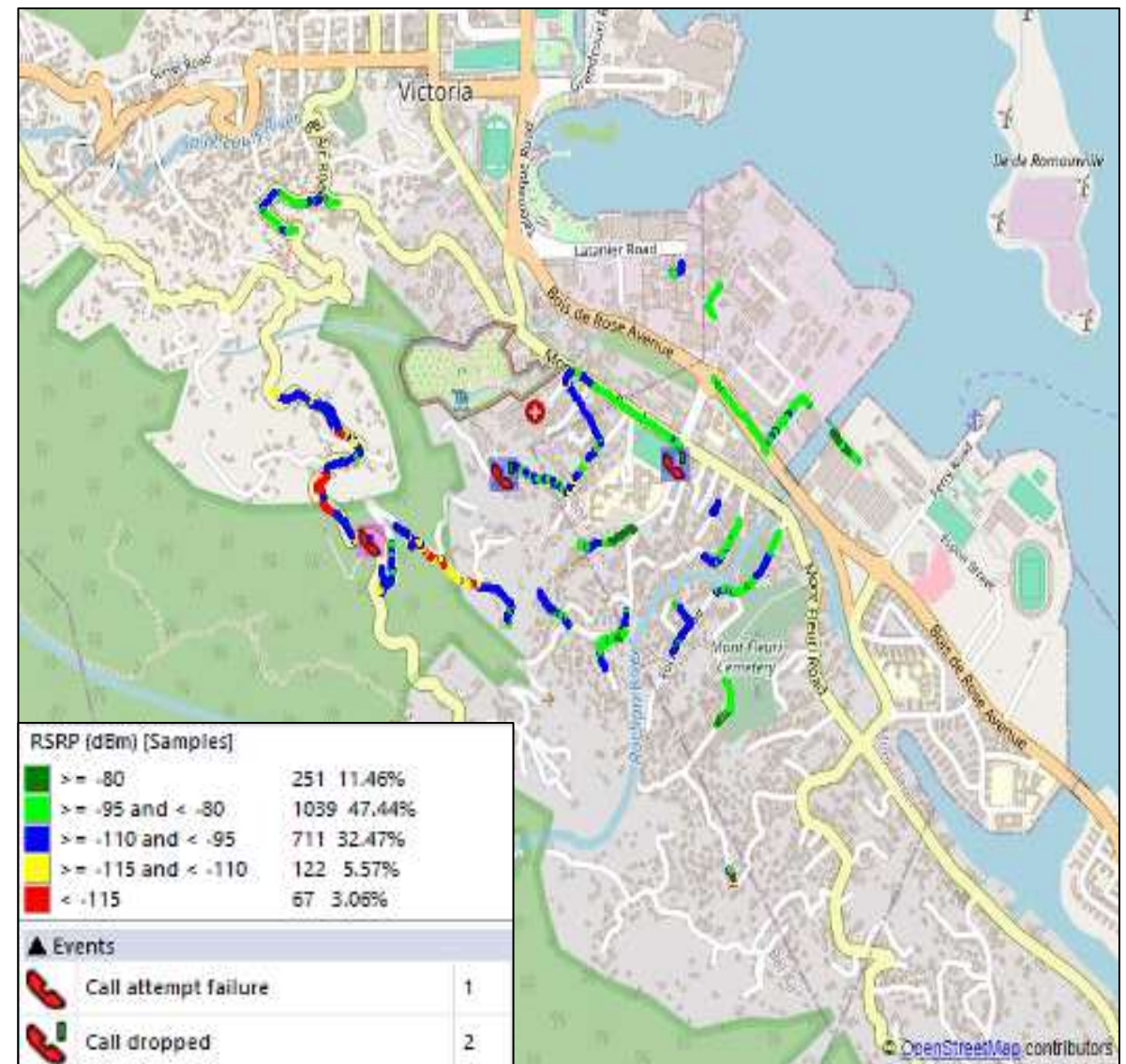
CWS LC MO



Airtel LC MO

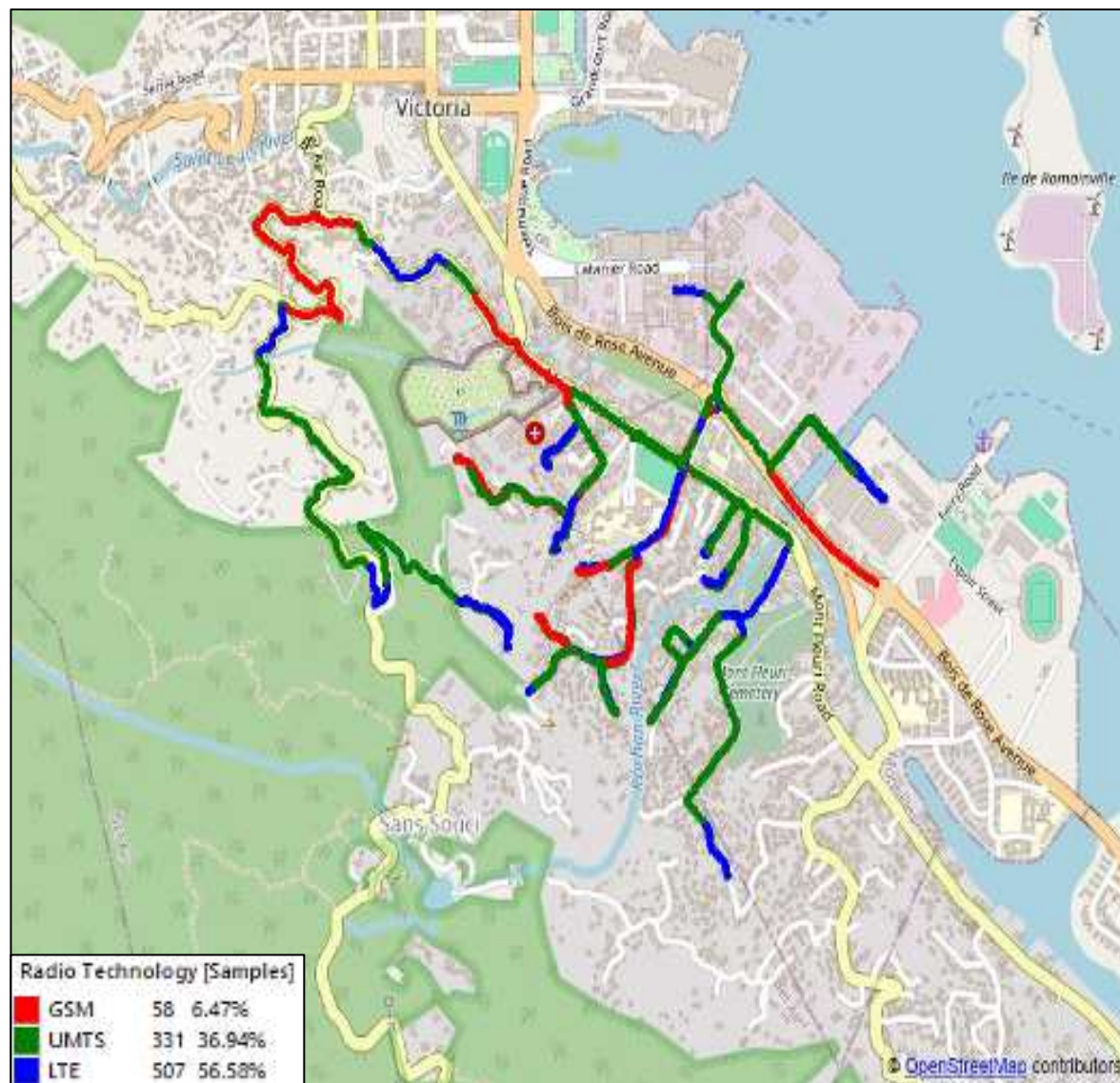


CWS LC MO

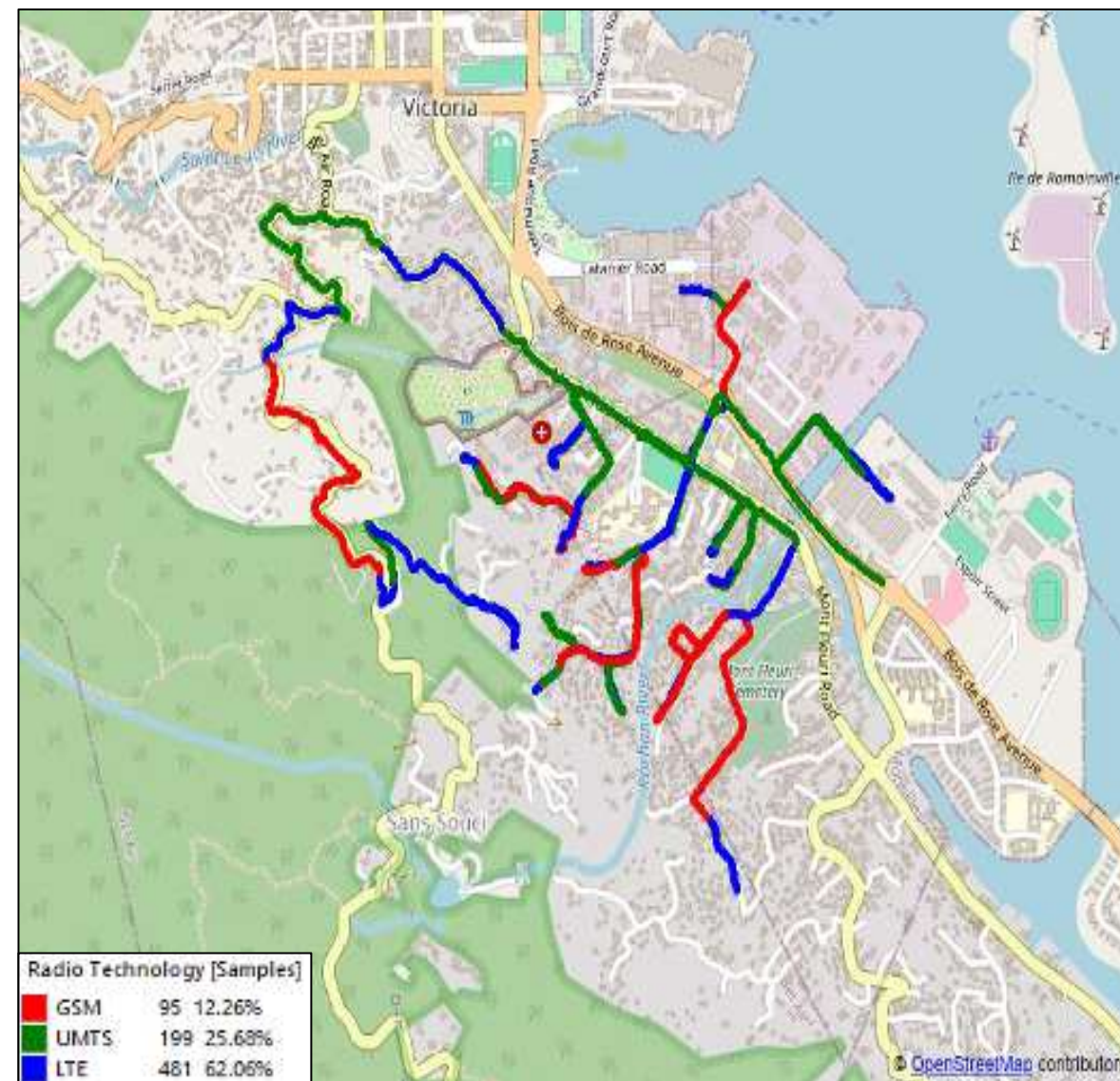


LONG CALL DRIVE PLOTS

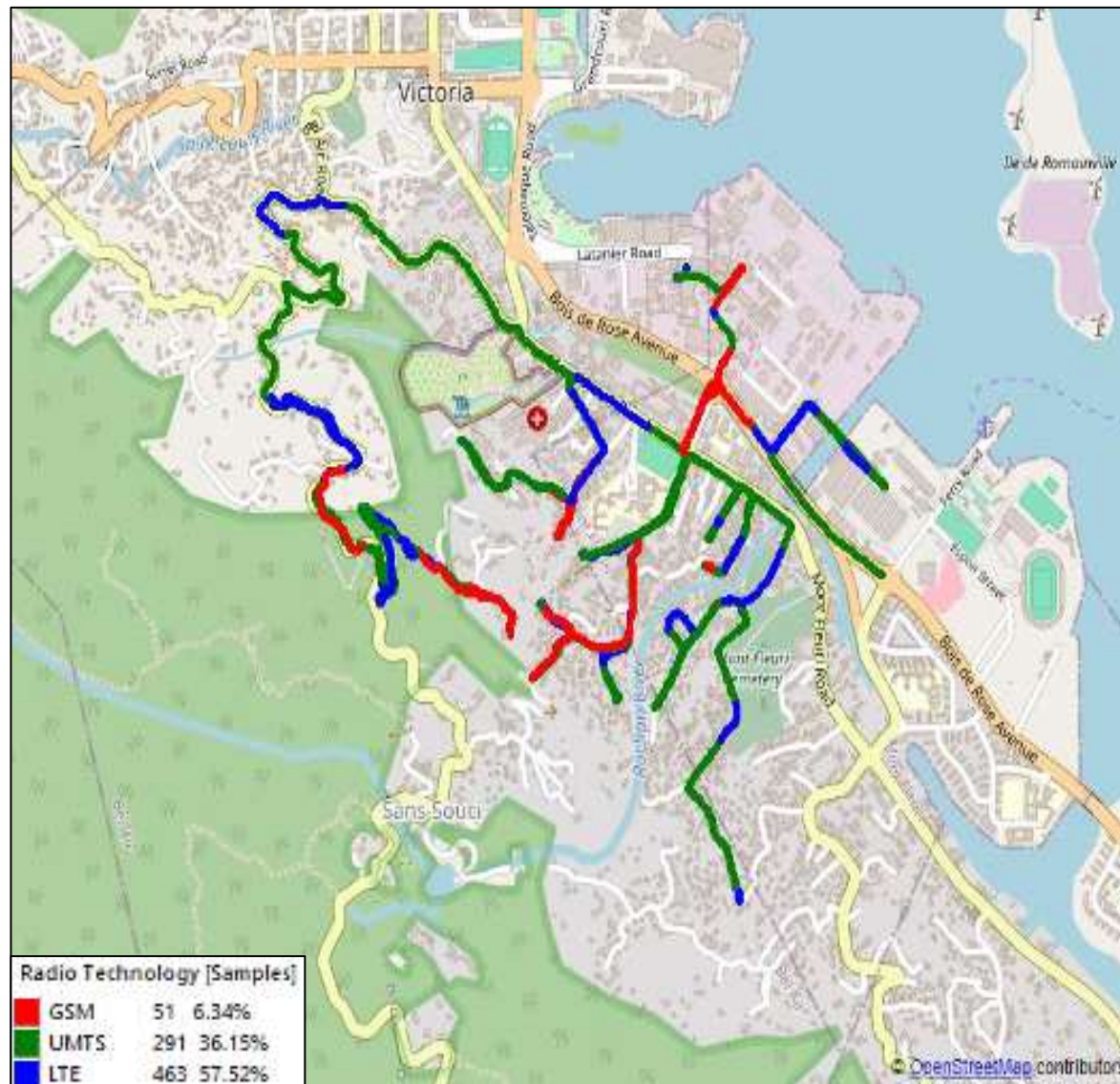
Airtel LC MO



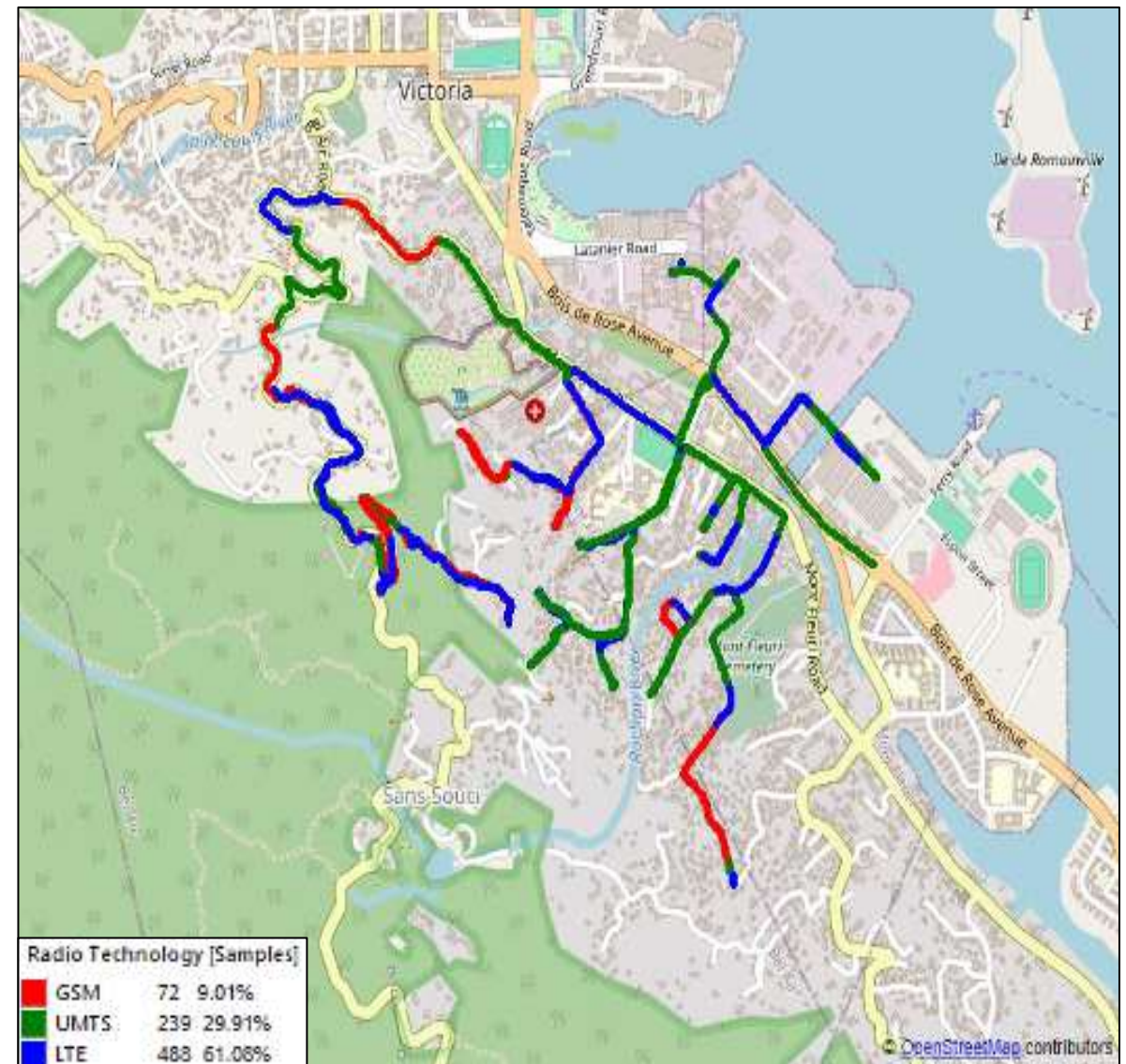
CWS LC MO



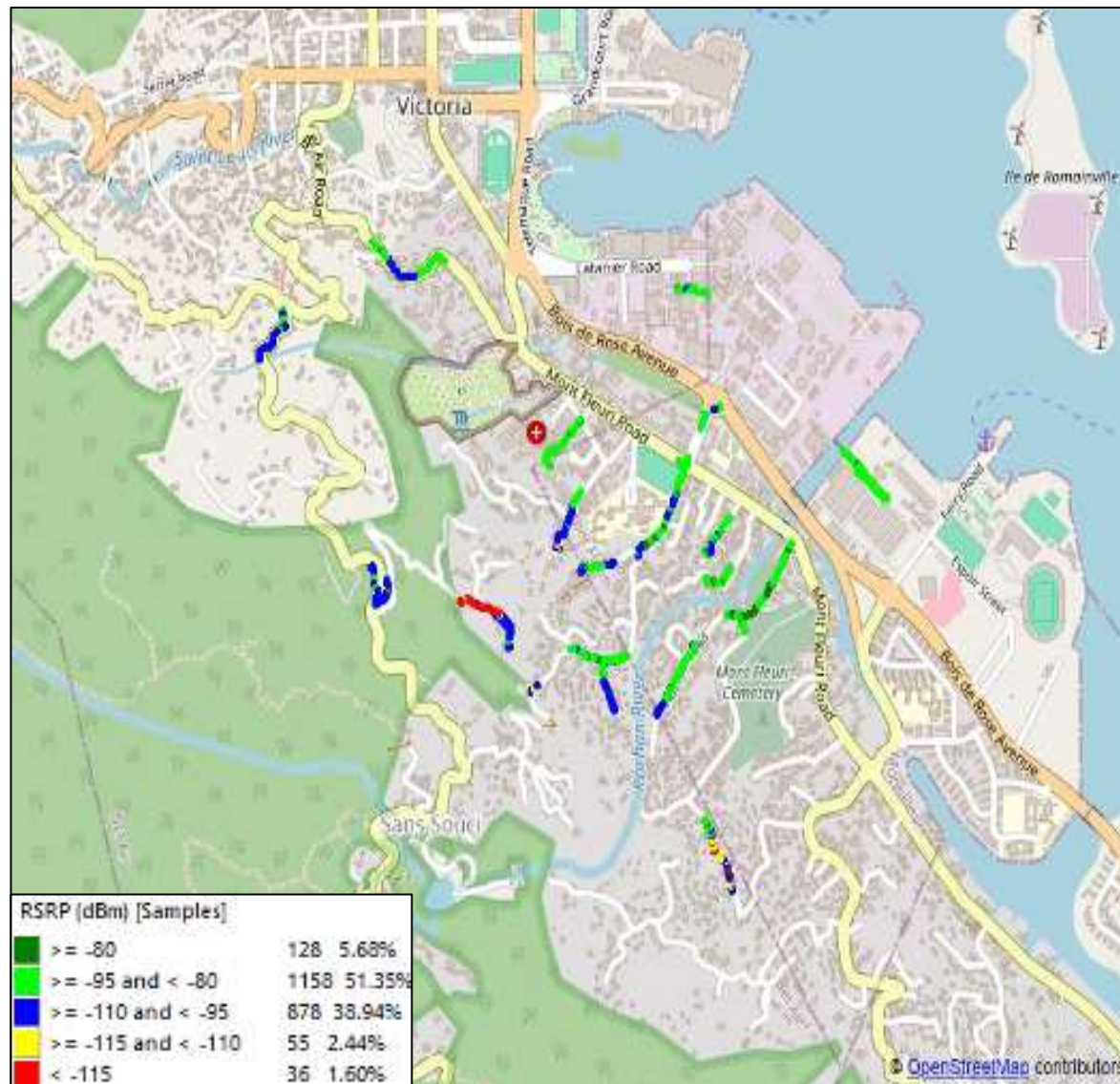
Airtel LC MO



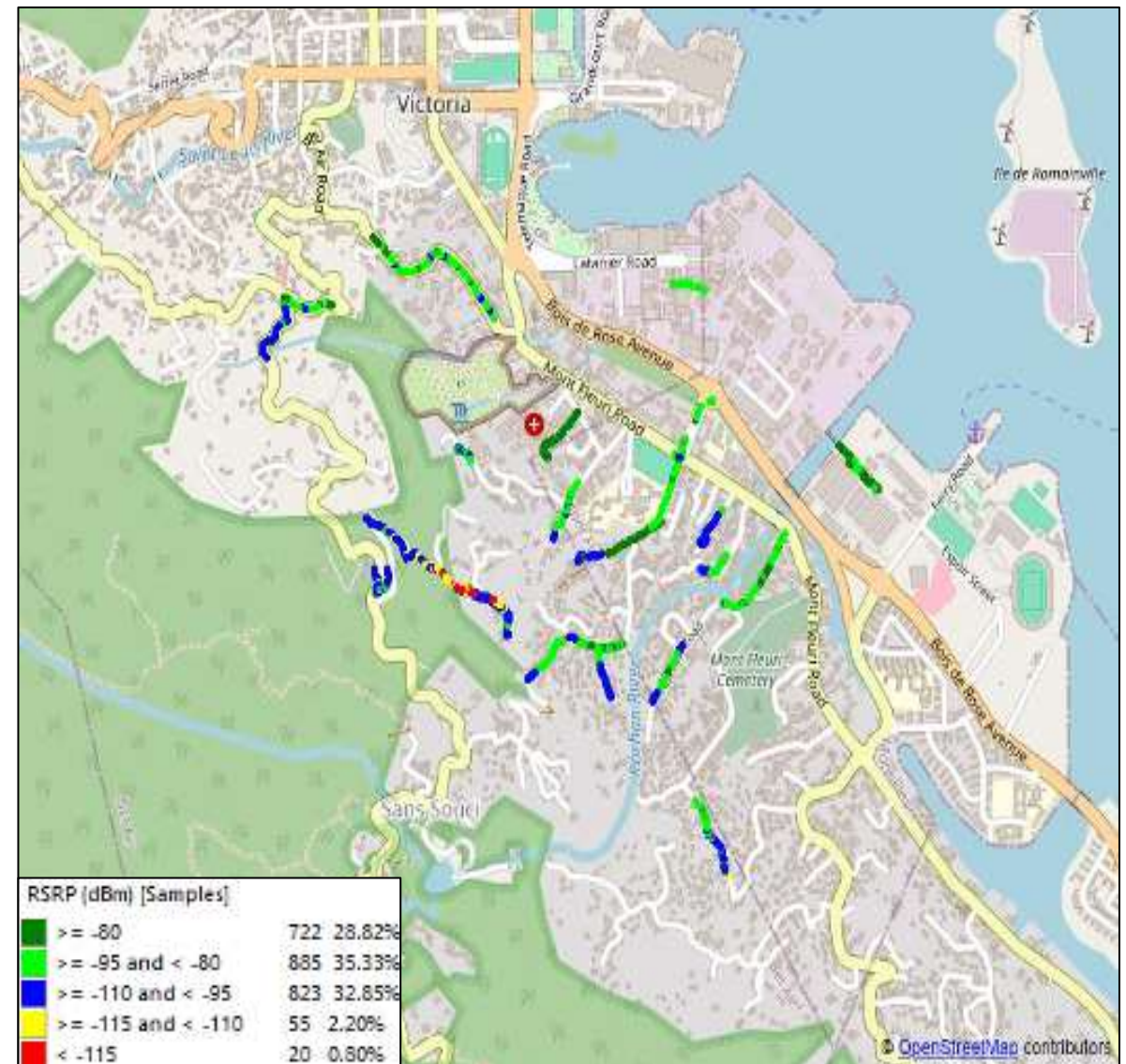
CWS LC MO



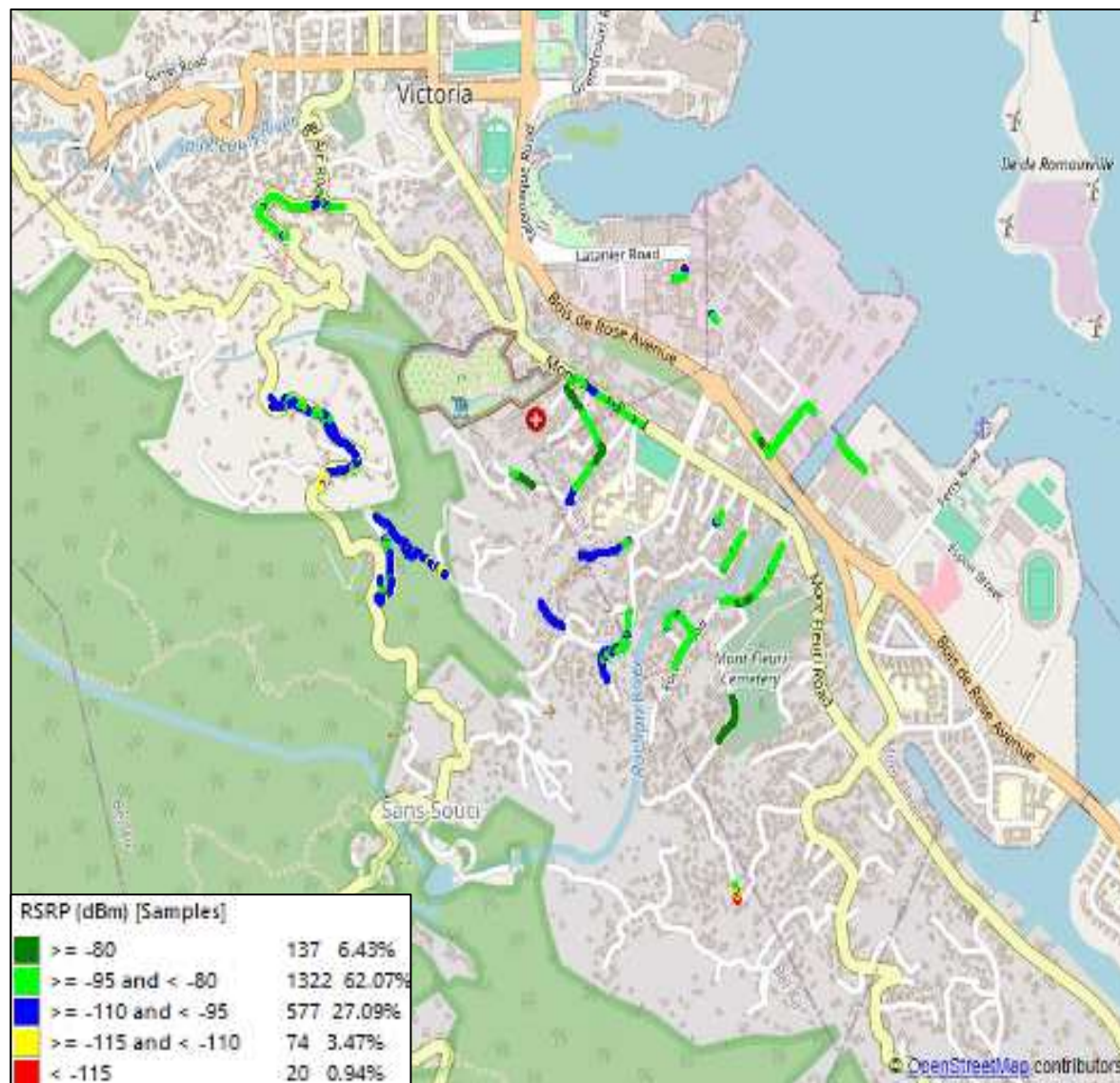
Airtel LC MO



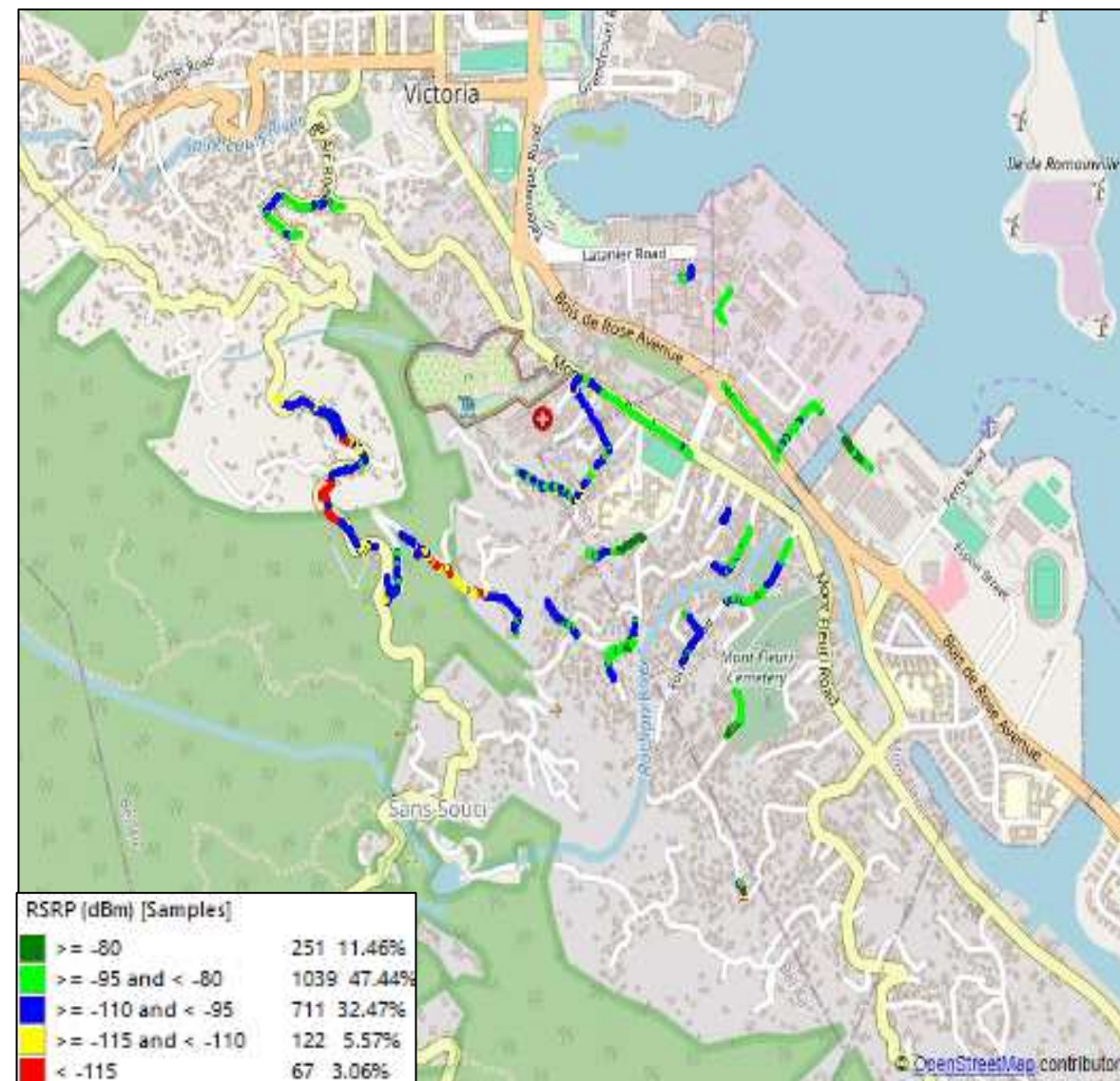
CWS LC MO



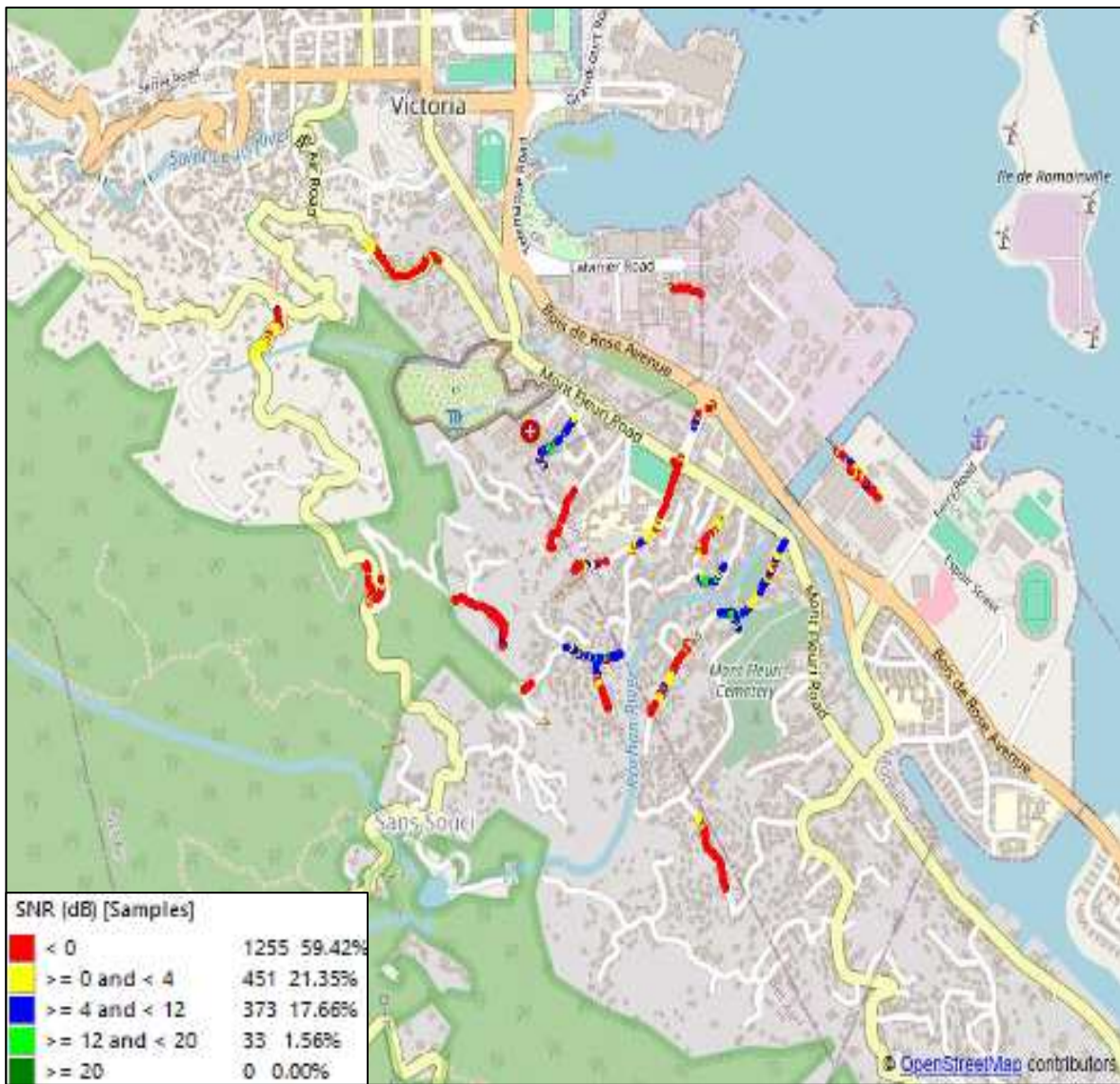
Airtel LC MO



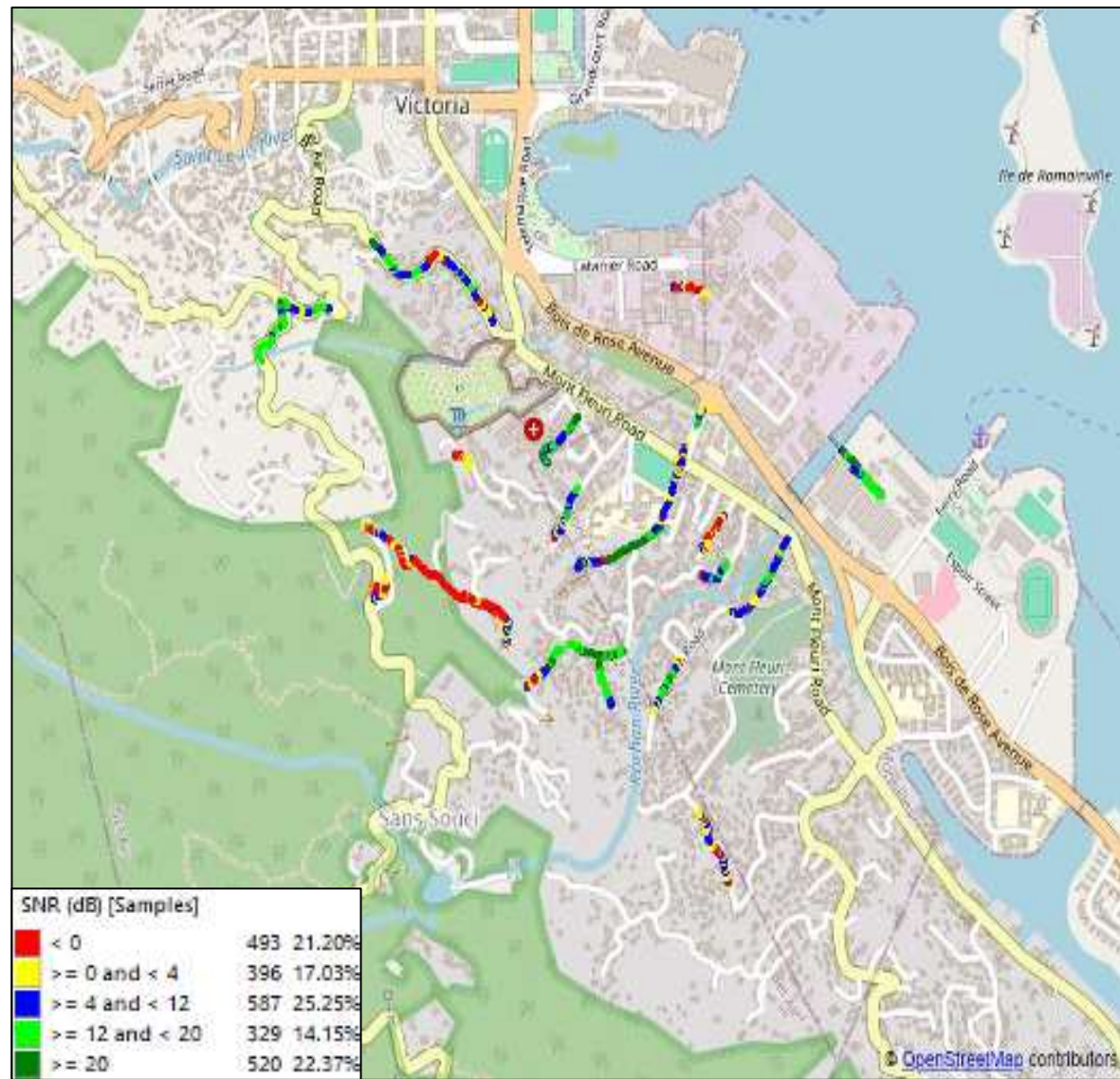
CWS LC MO



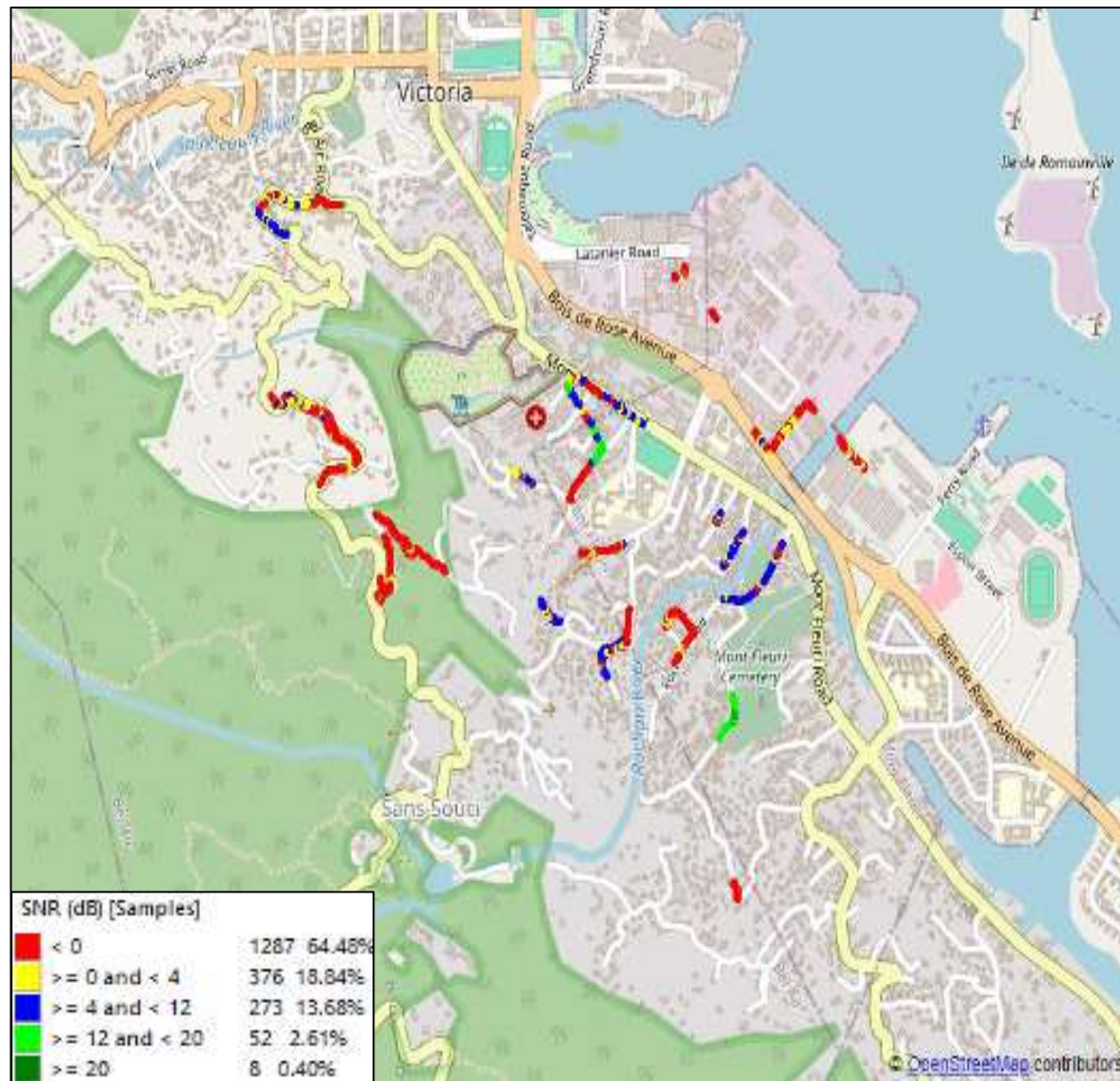
Airtel LC MO



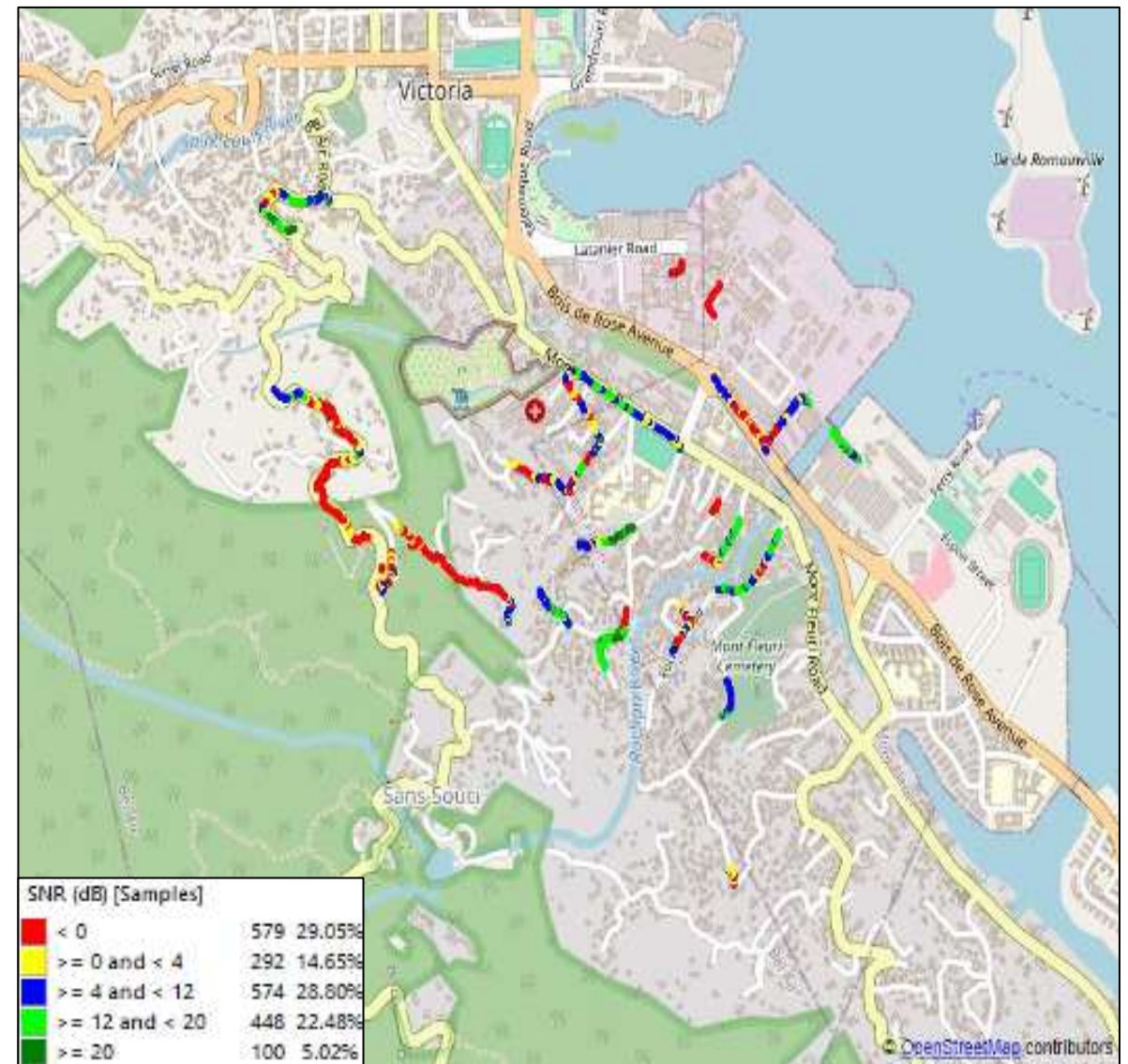
CWS LC MO



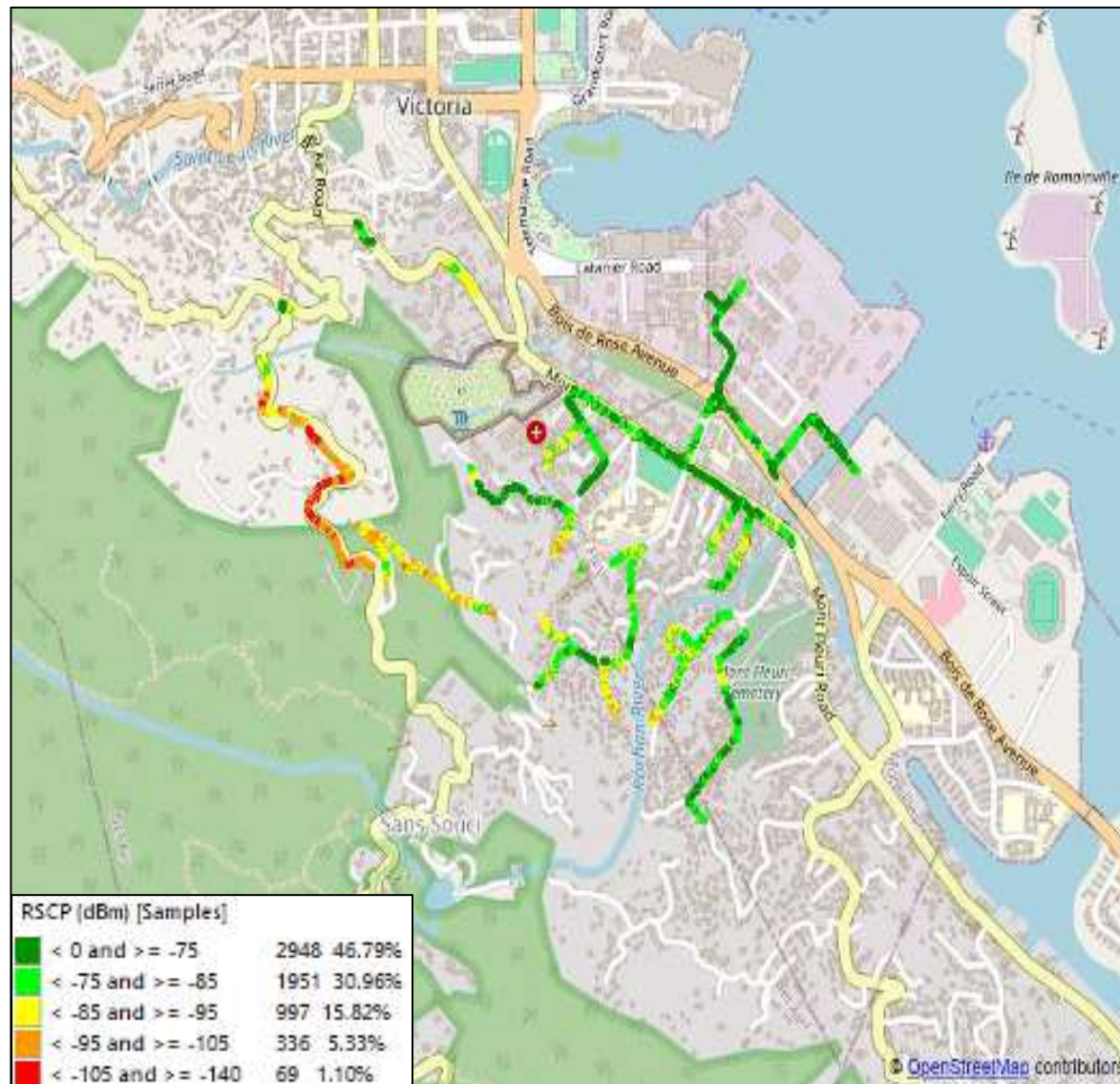
Airtel LC MO



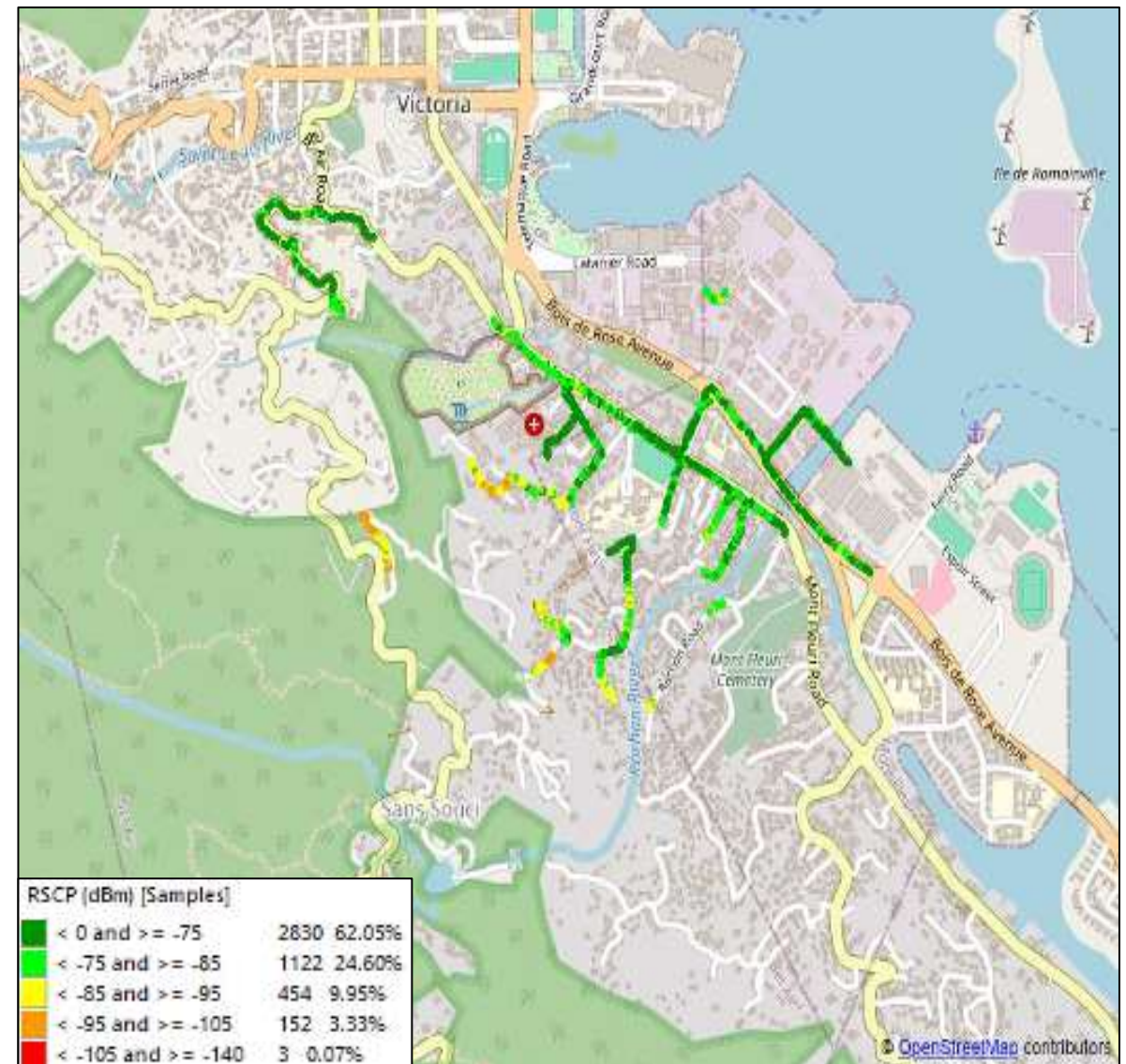
CWS LC MO



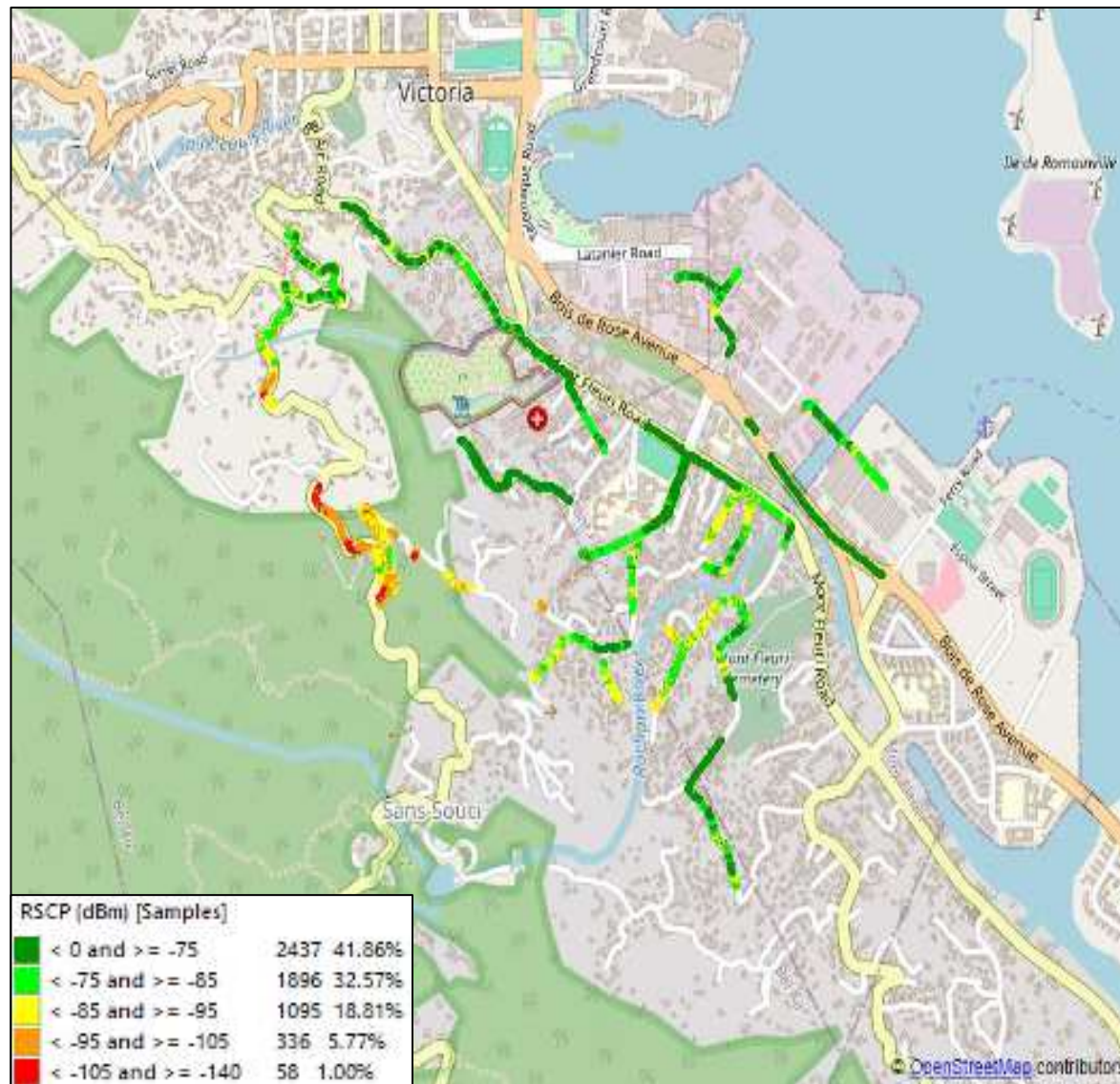
Airtel LC MO



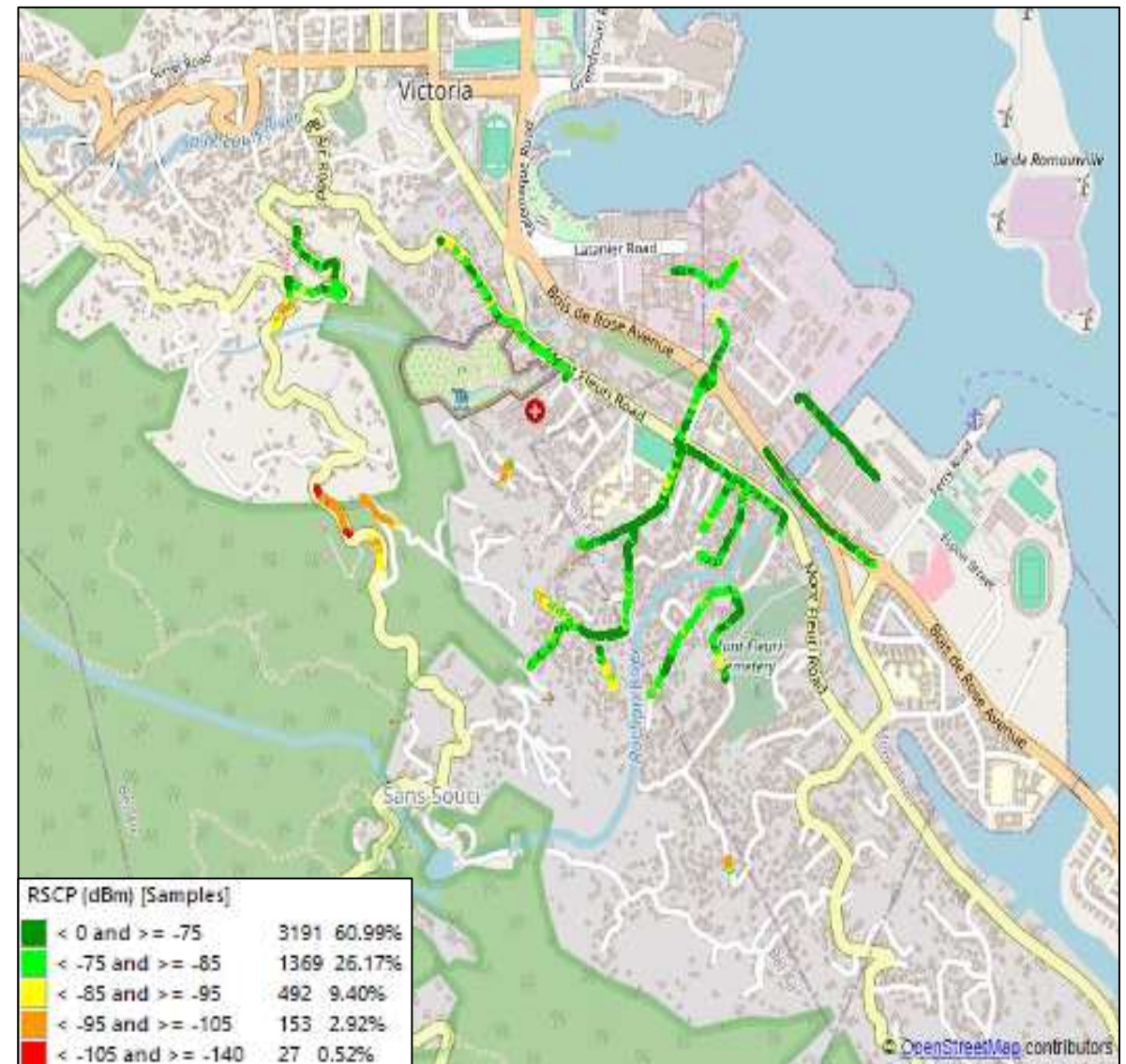
CWS LC MO



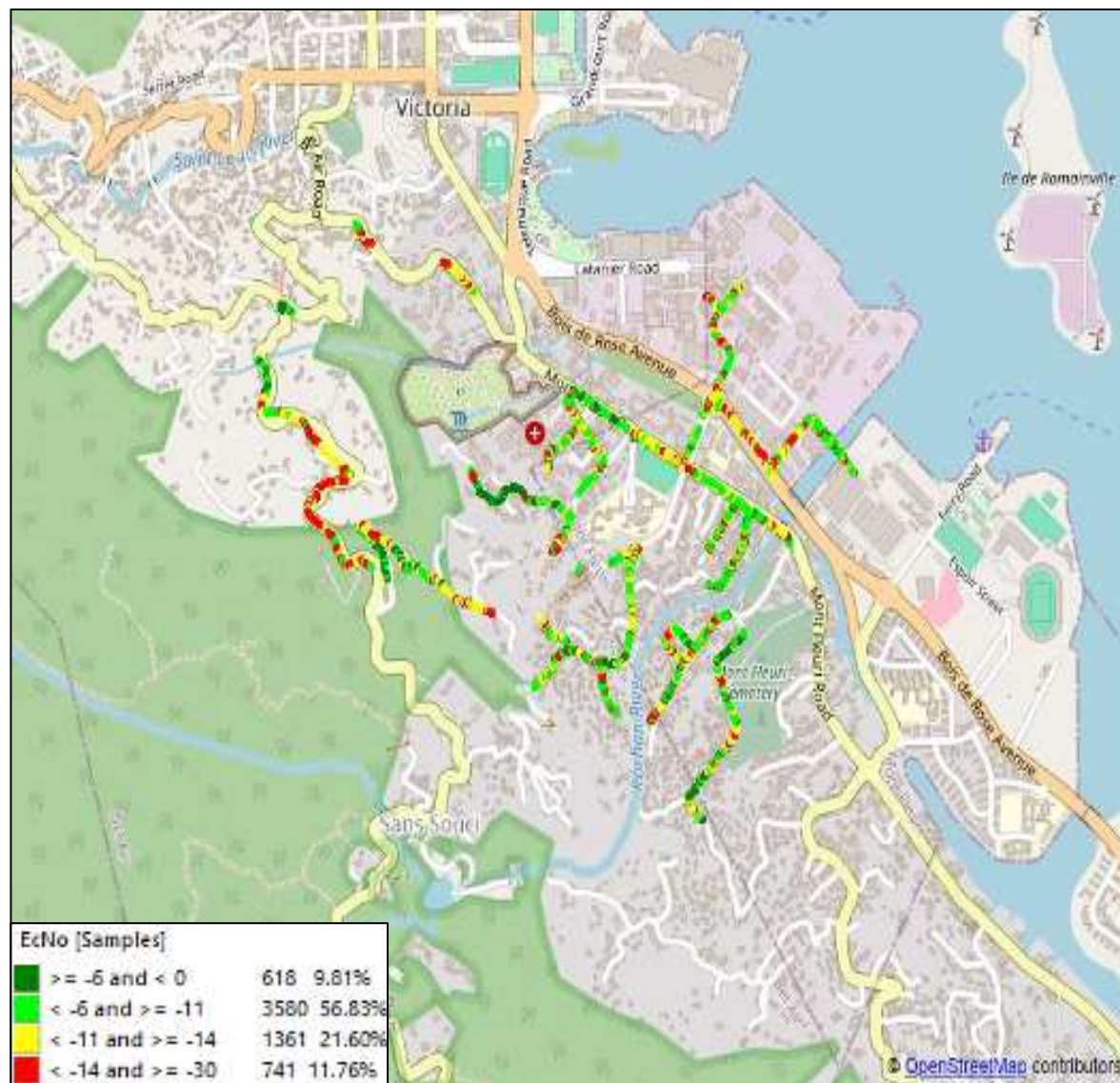
Airtel LC MO



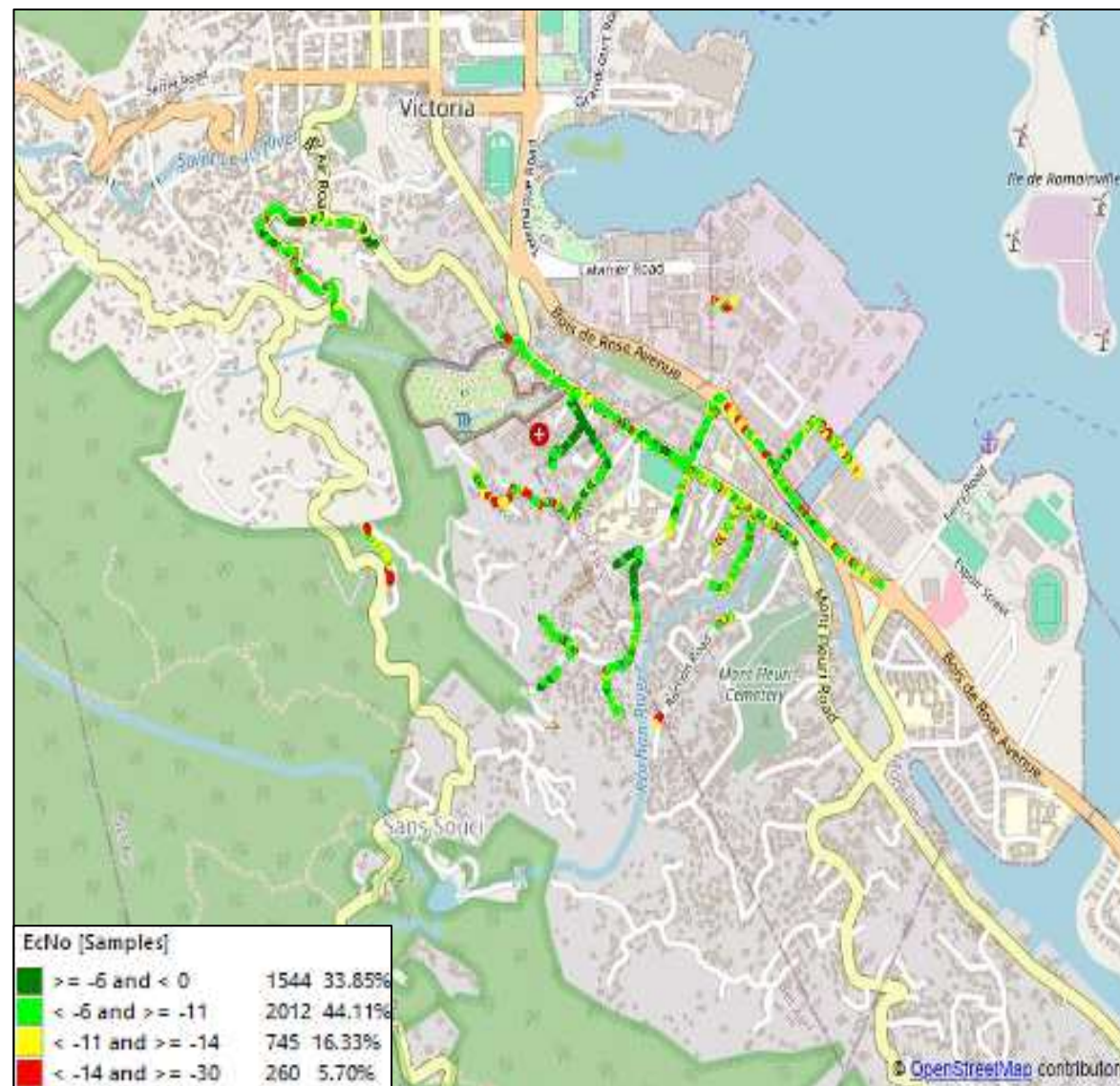
CWS LC MO



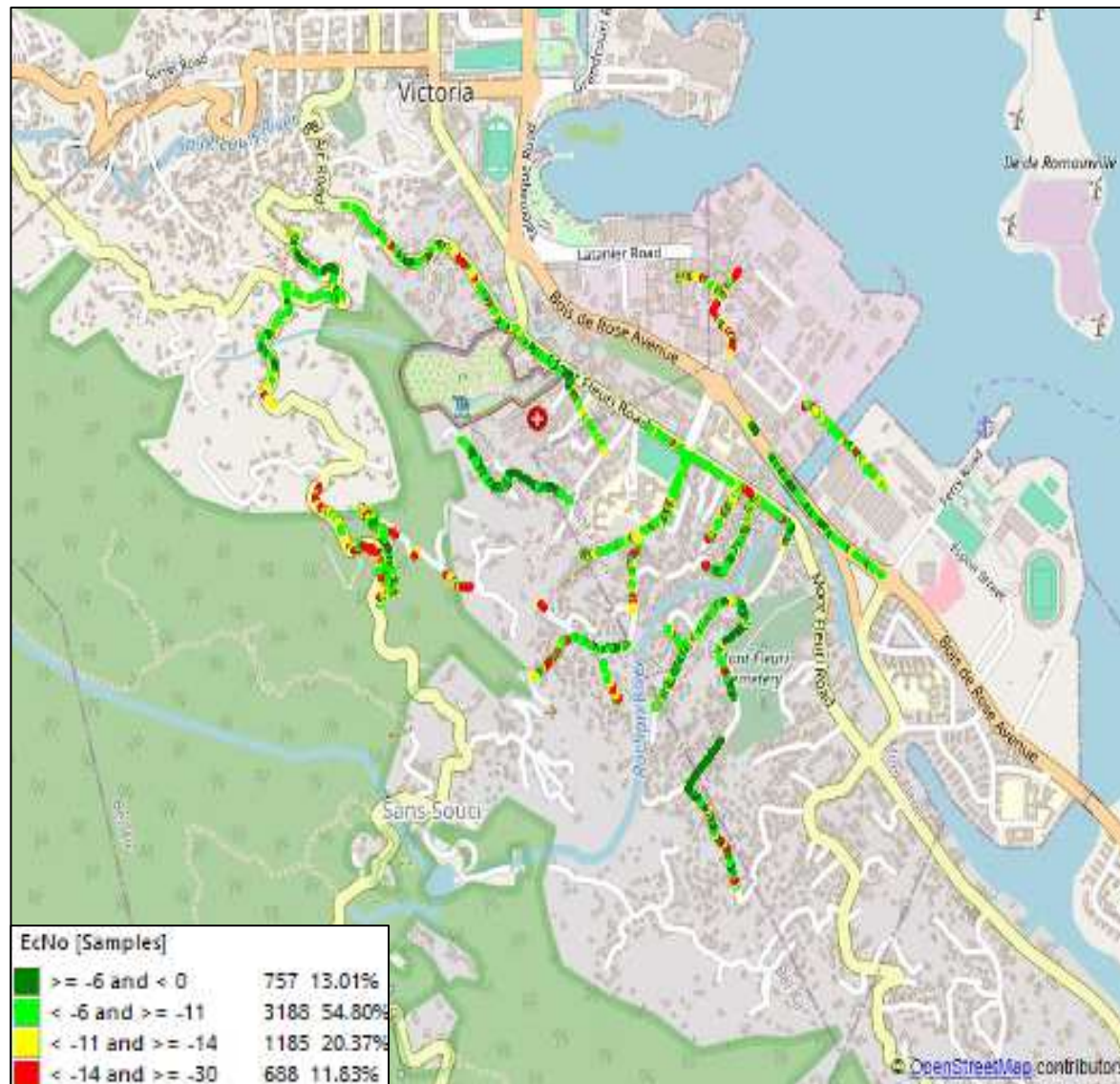
Airtel LC MO



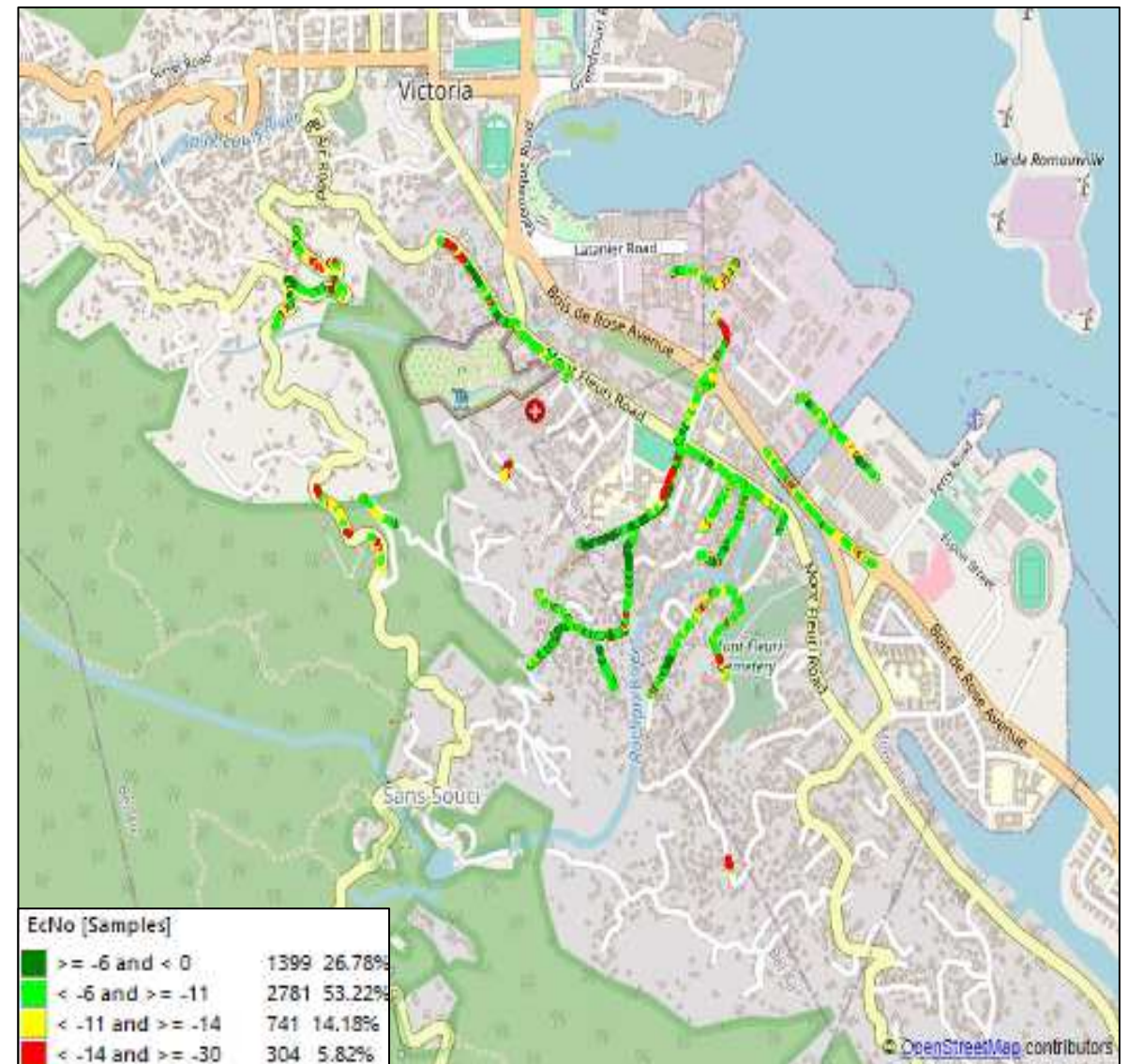
CWS LC MO



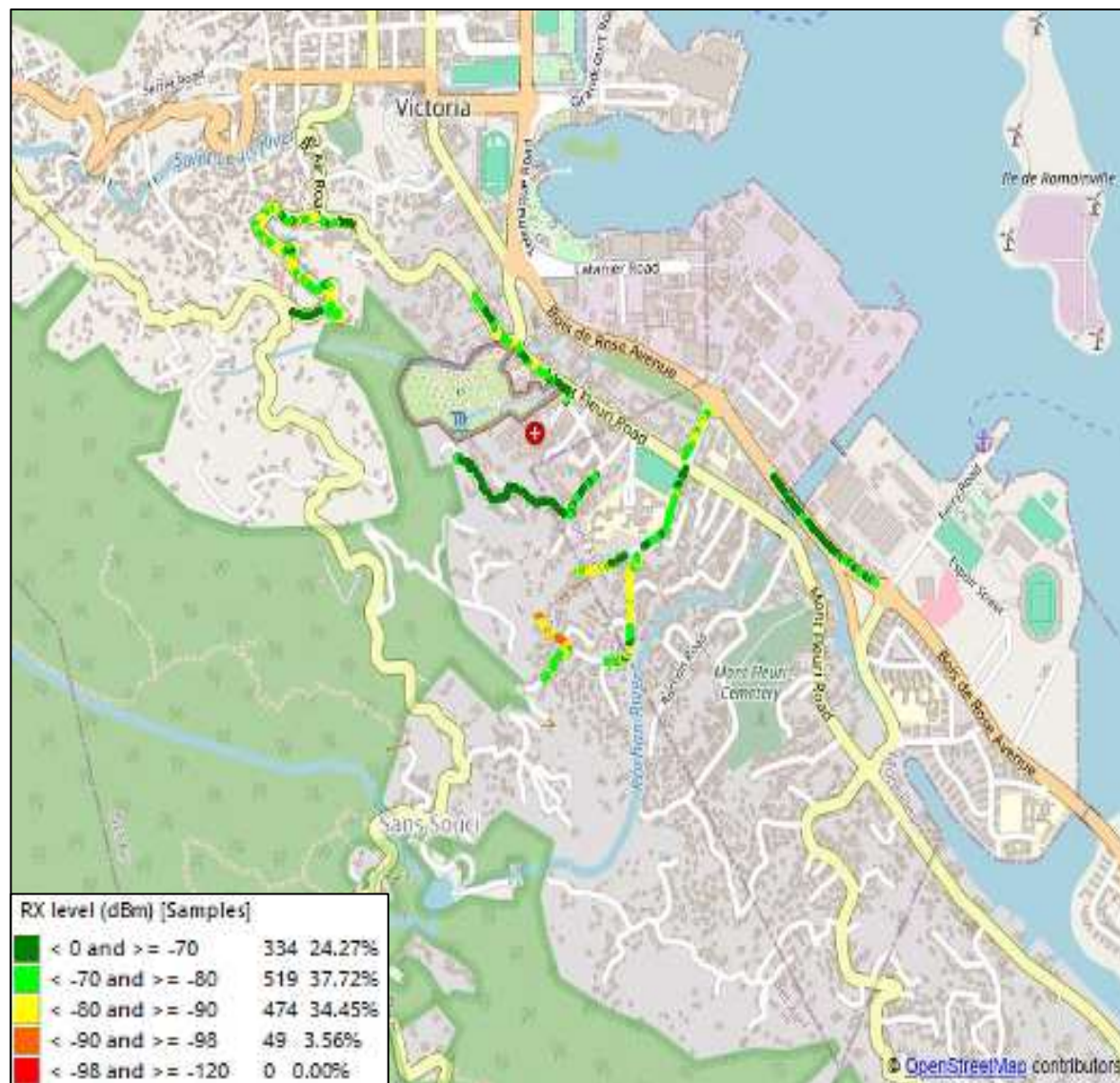
Airtel LC MO



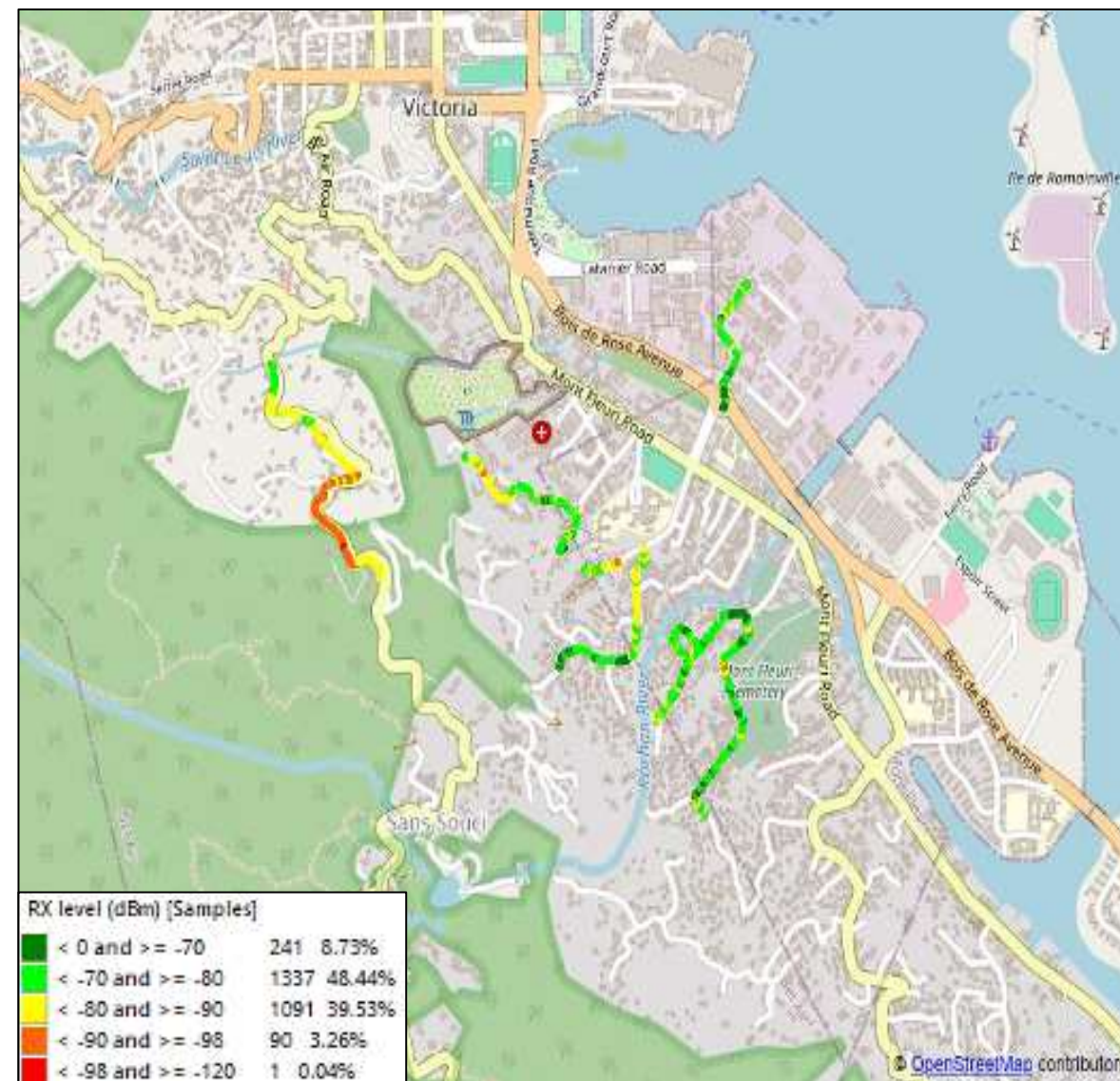
CWS LC MO



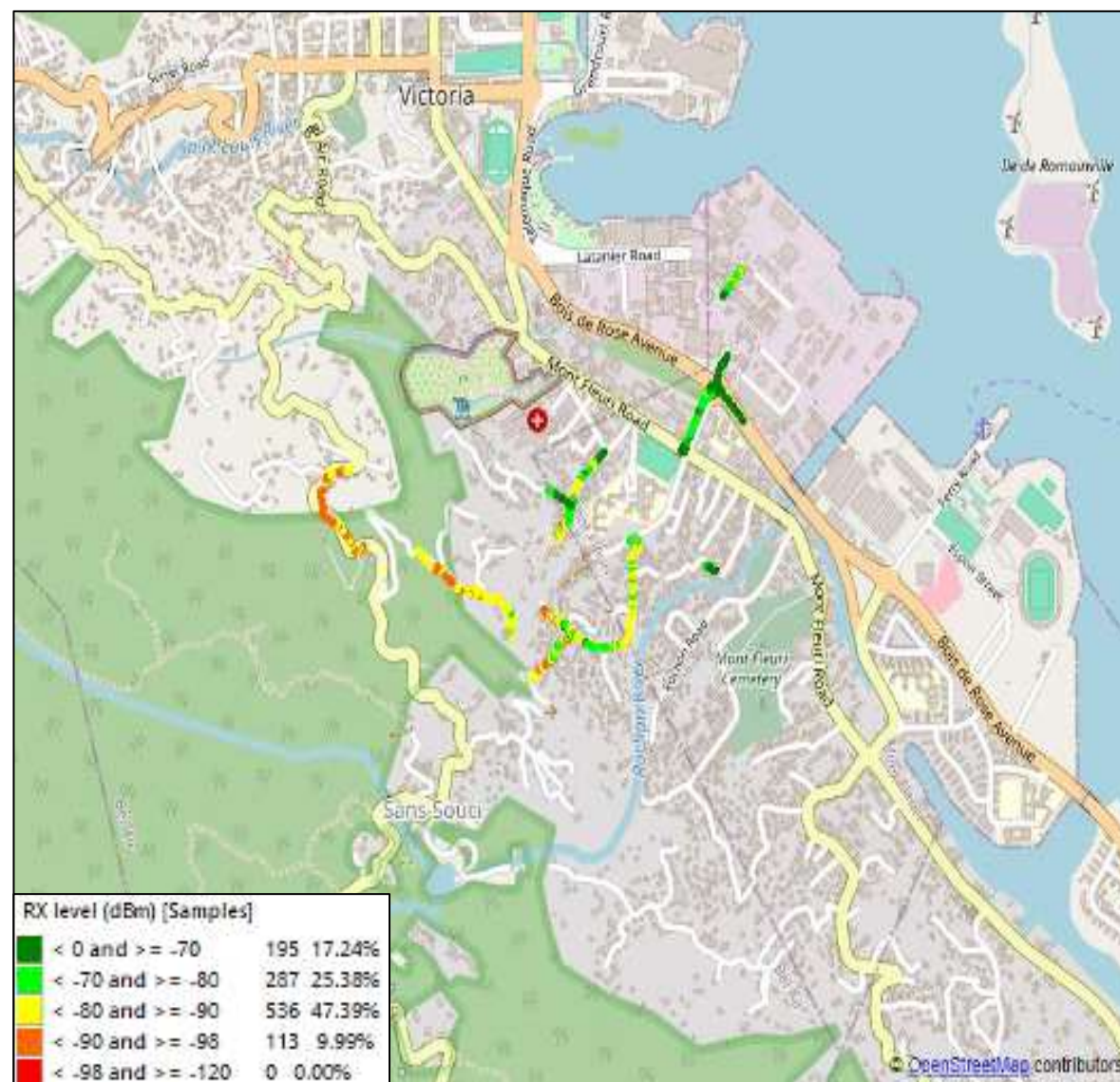
Airtel LC MO



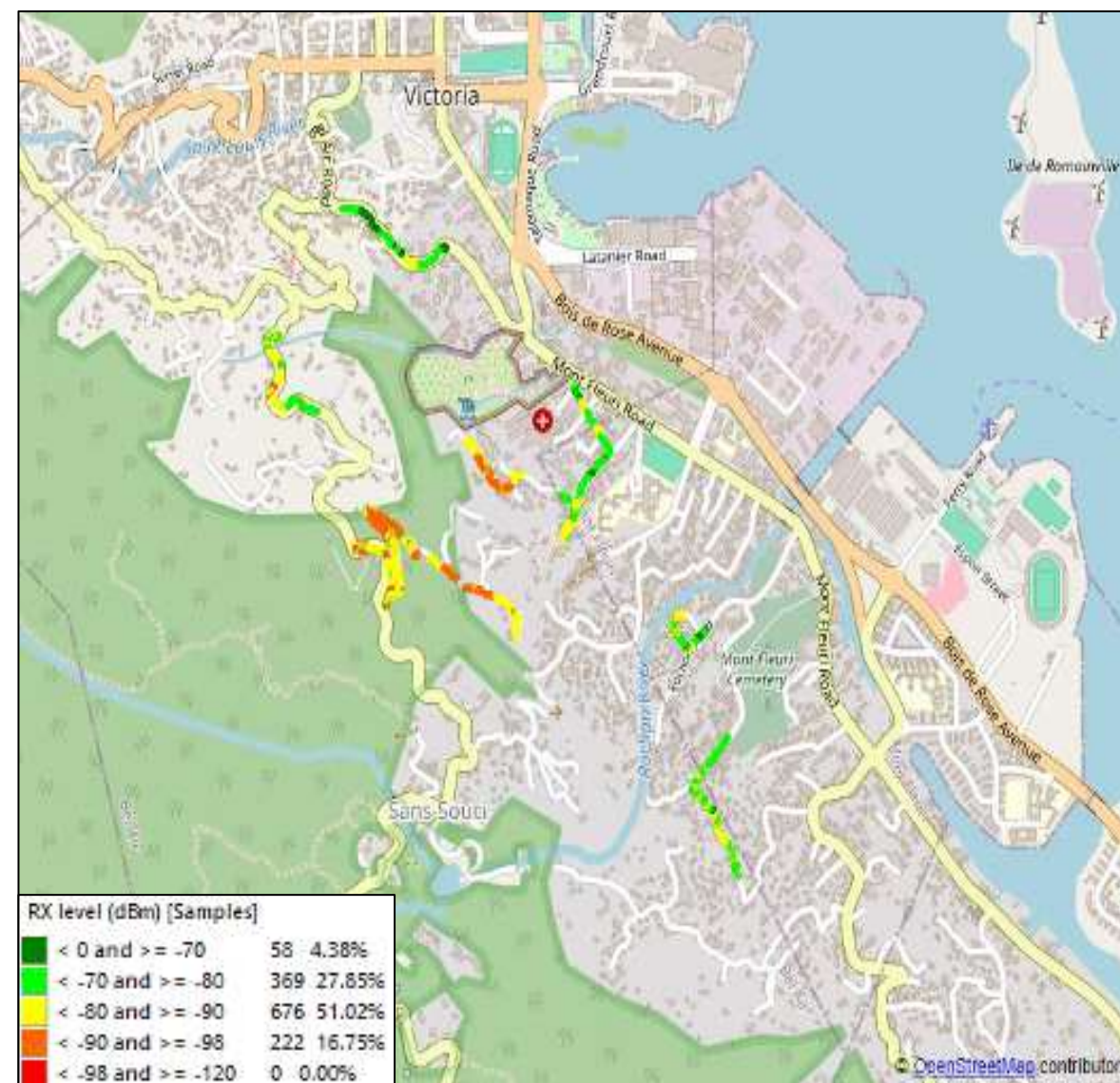
CWS LC MO



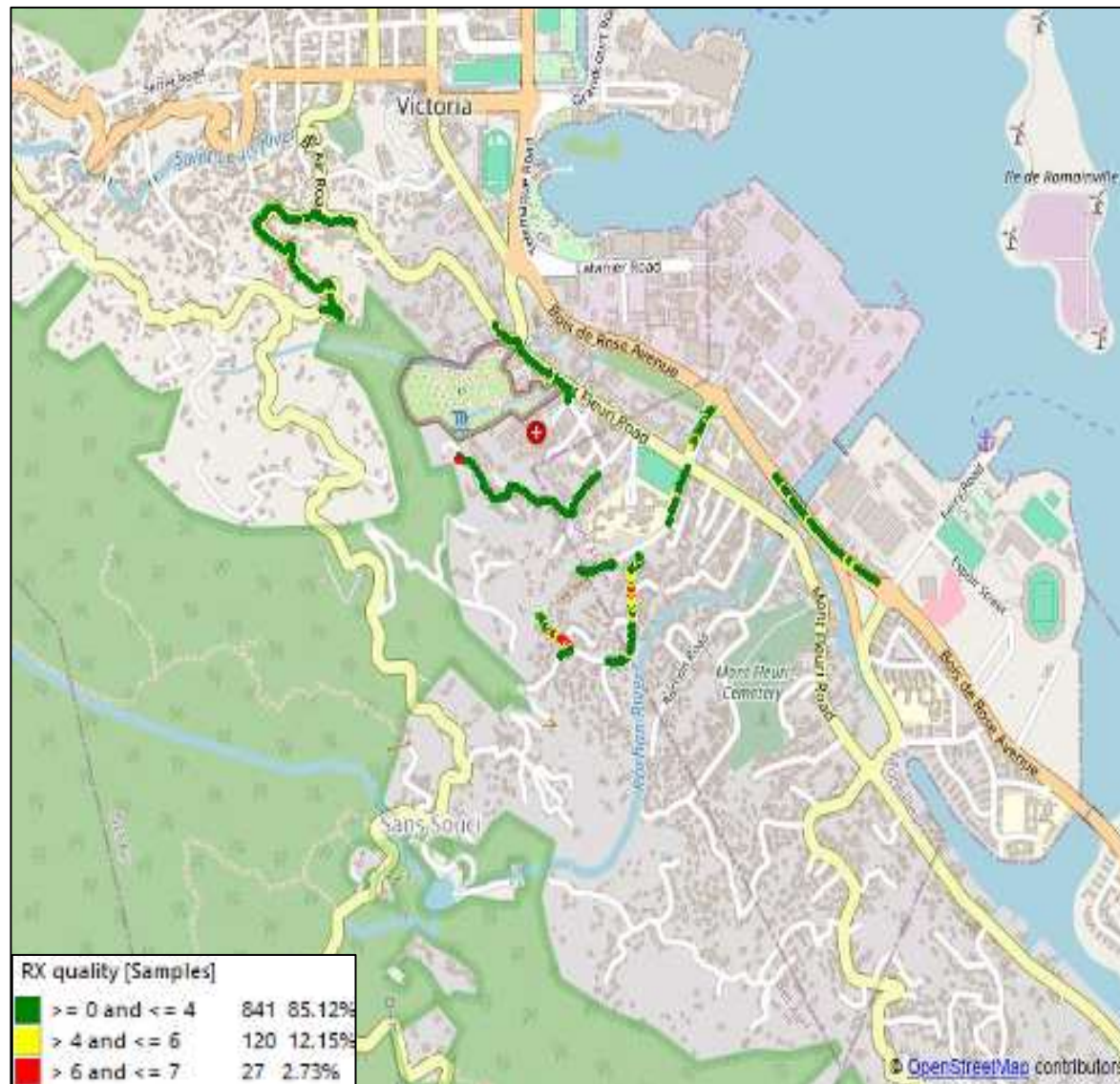
Airtel LC MO



CWS LC MO



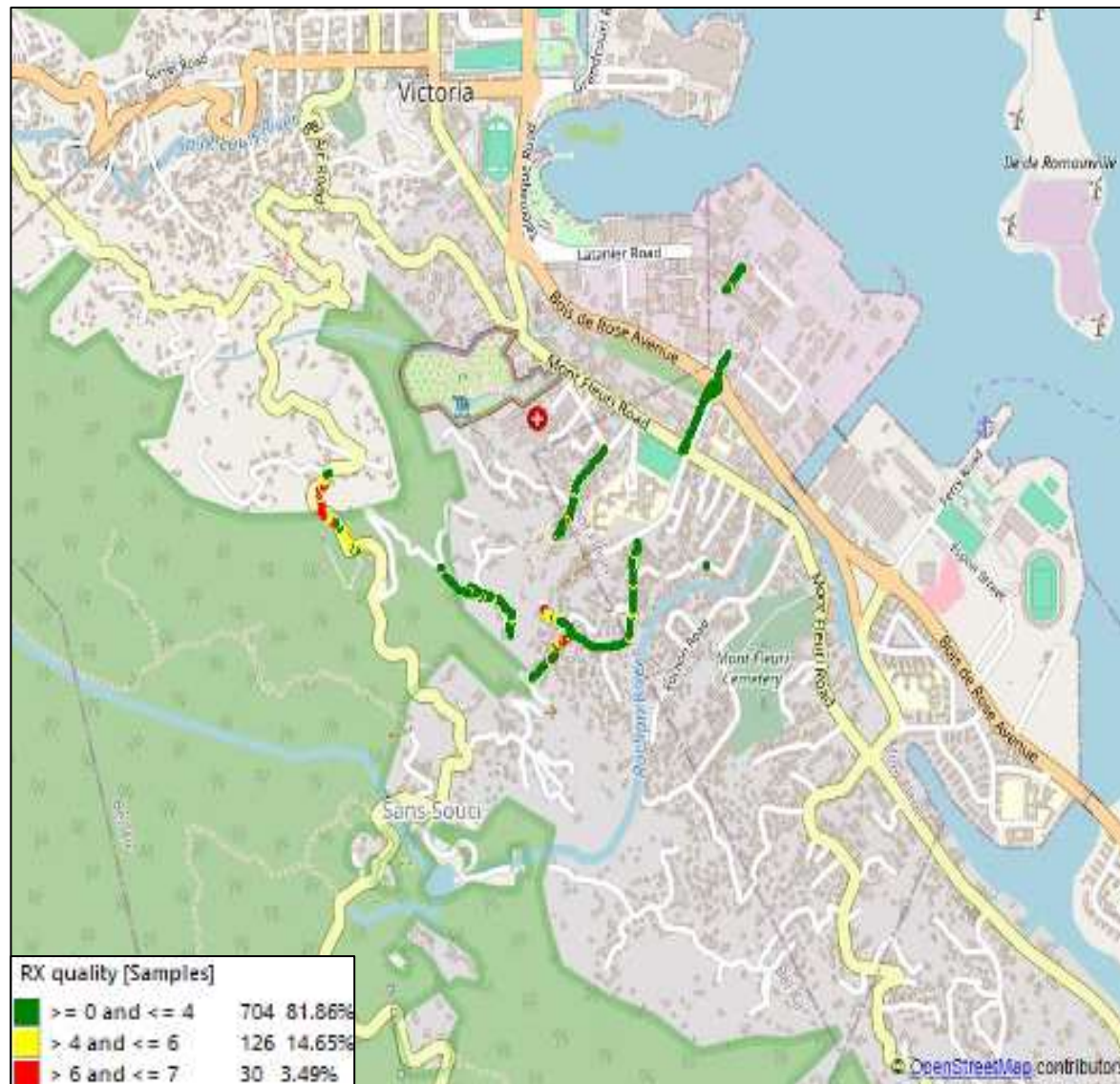
Airtel LC MO



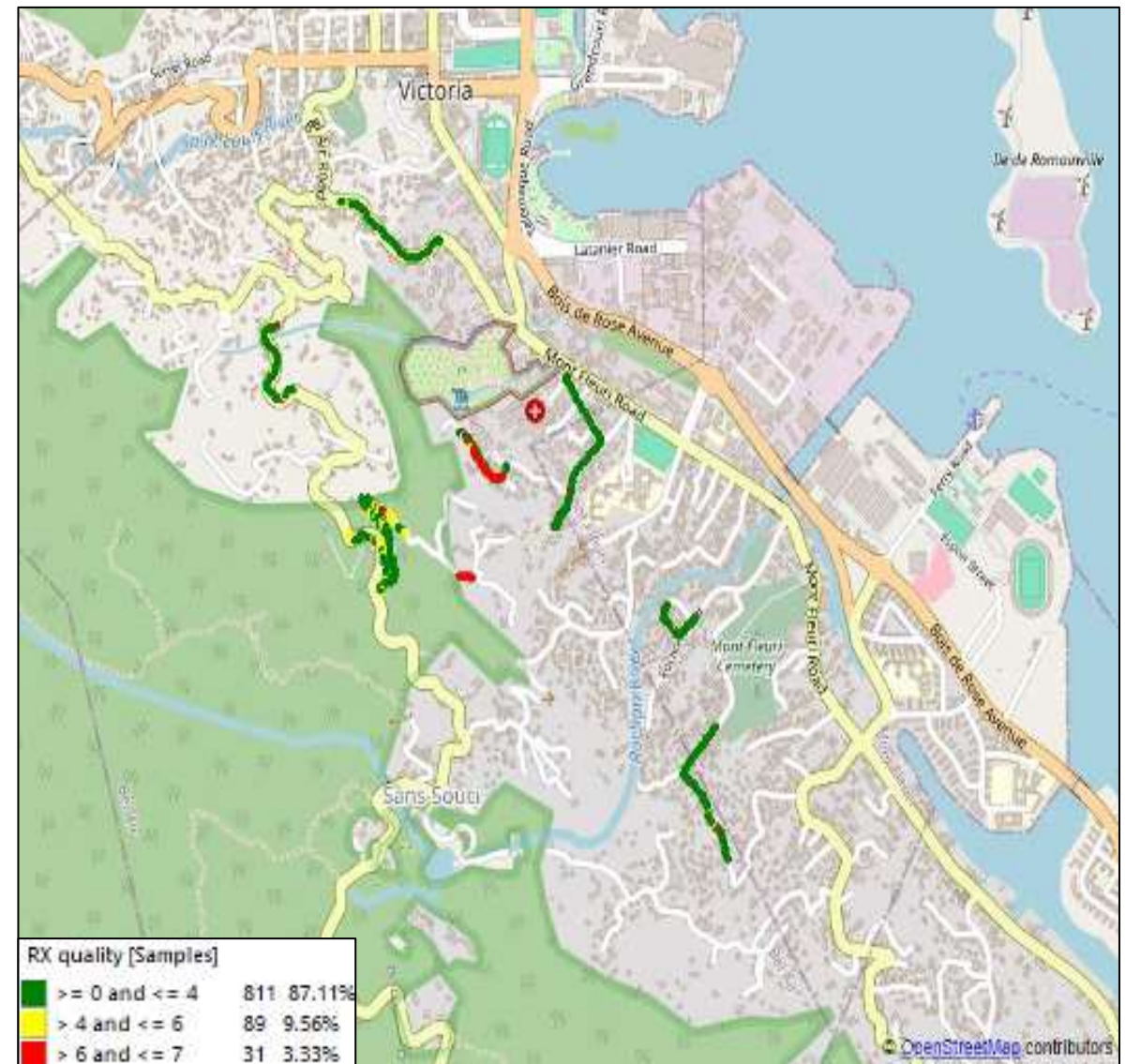
CWS LC MO



Airtel LC MO

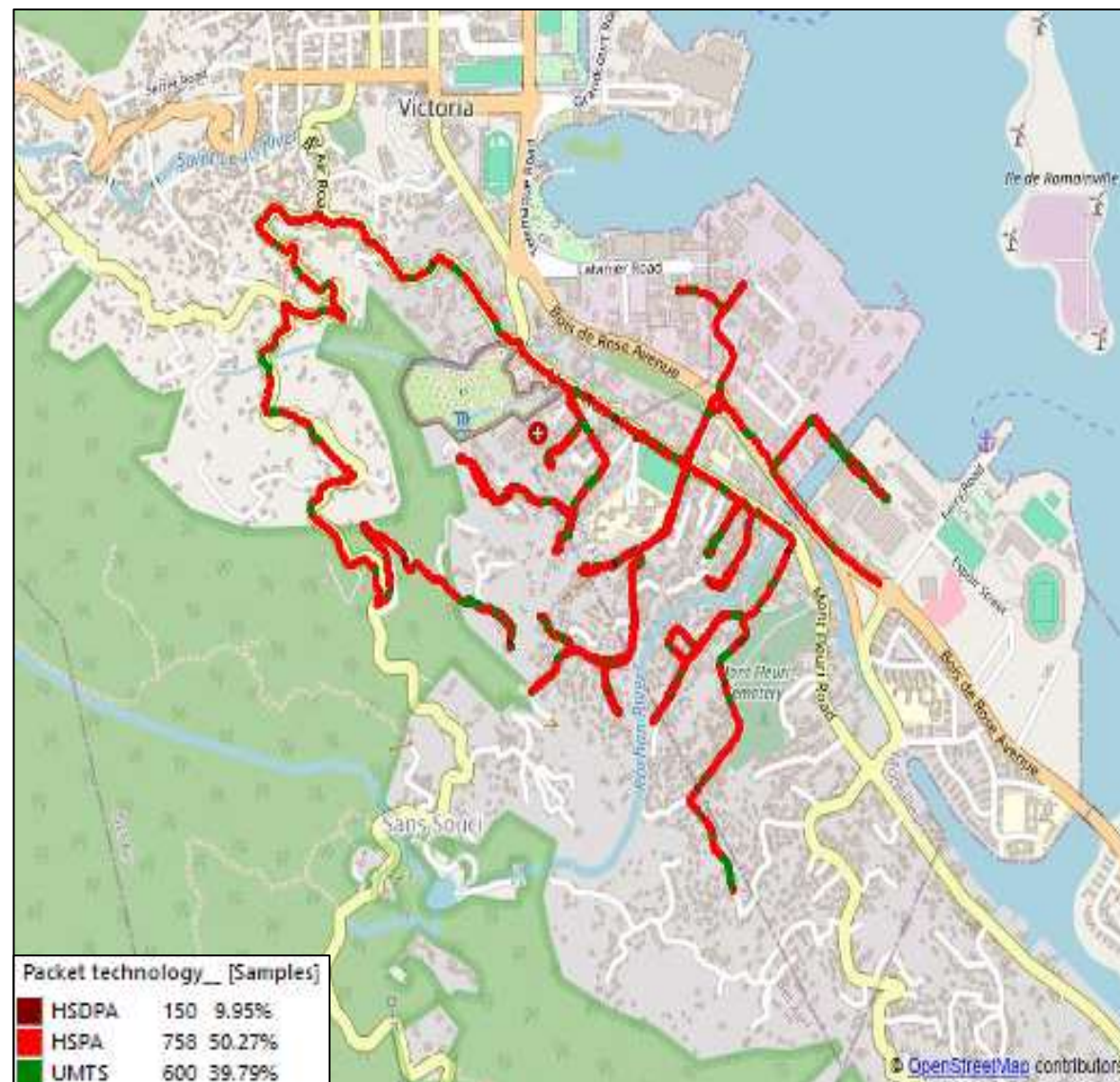


CWS LC MO

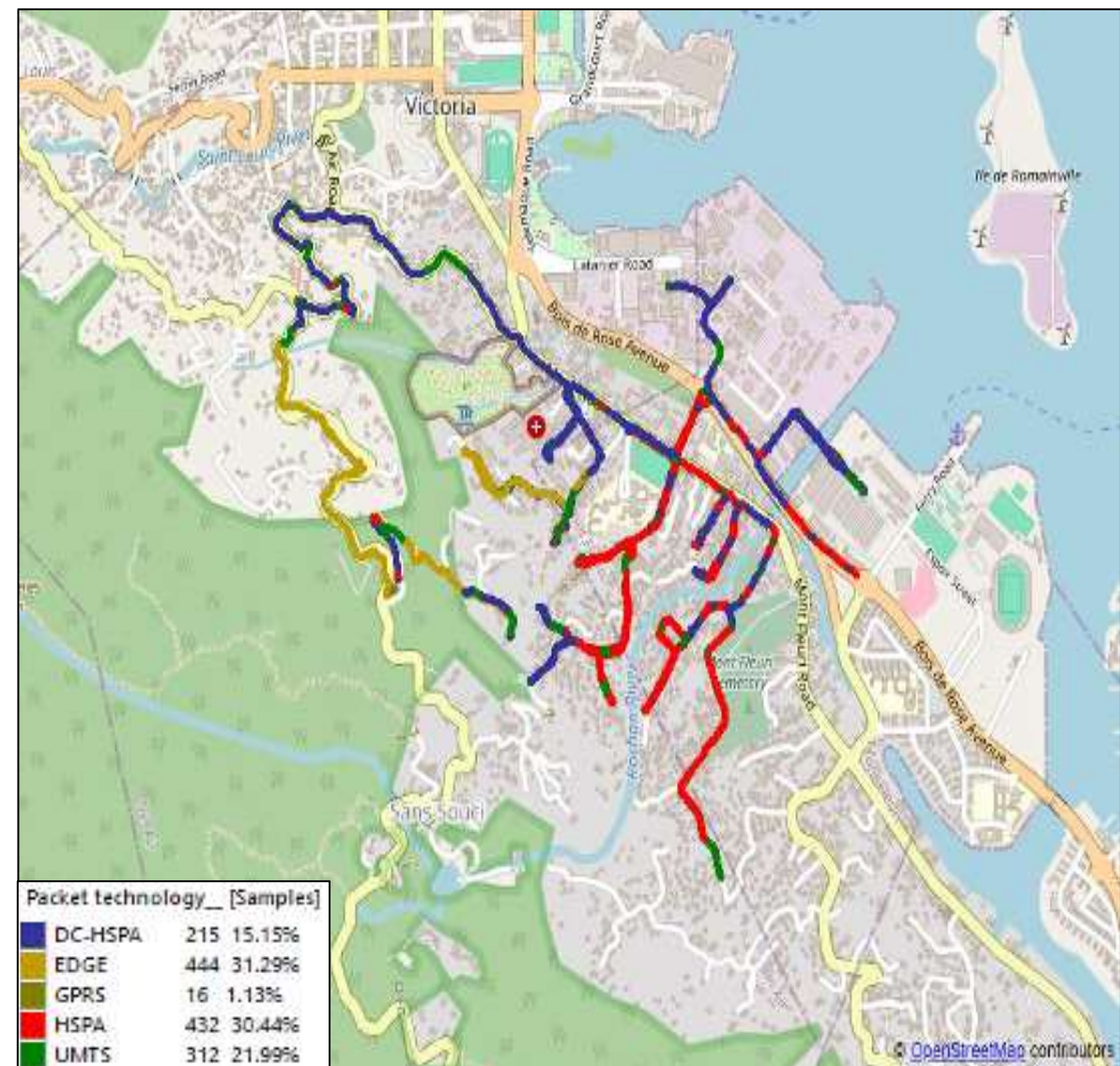


3G PREFERRED DATA DRIVE PLOTS

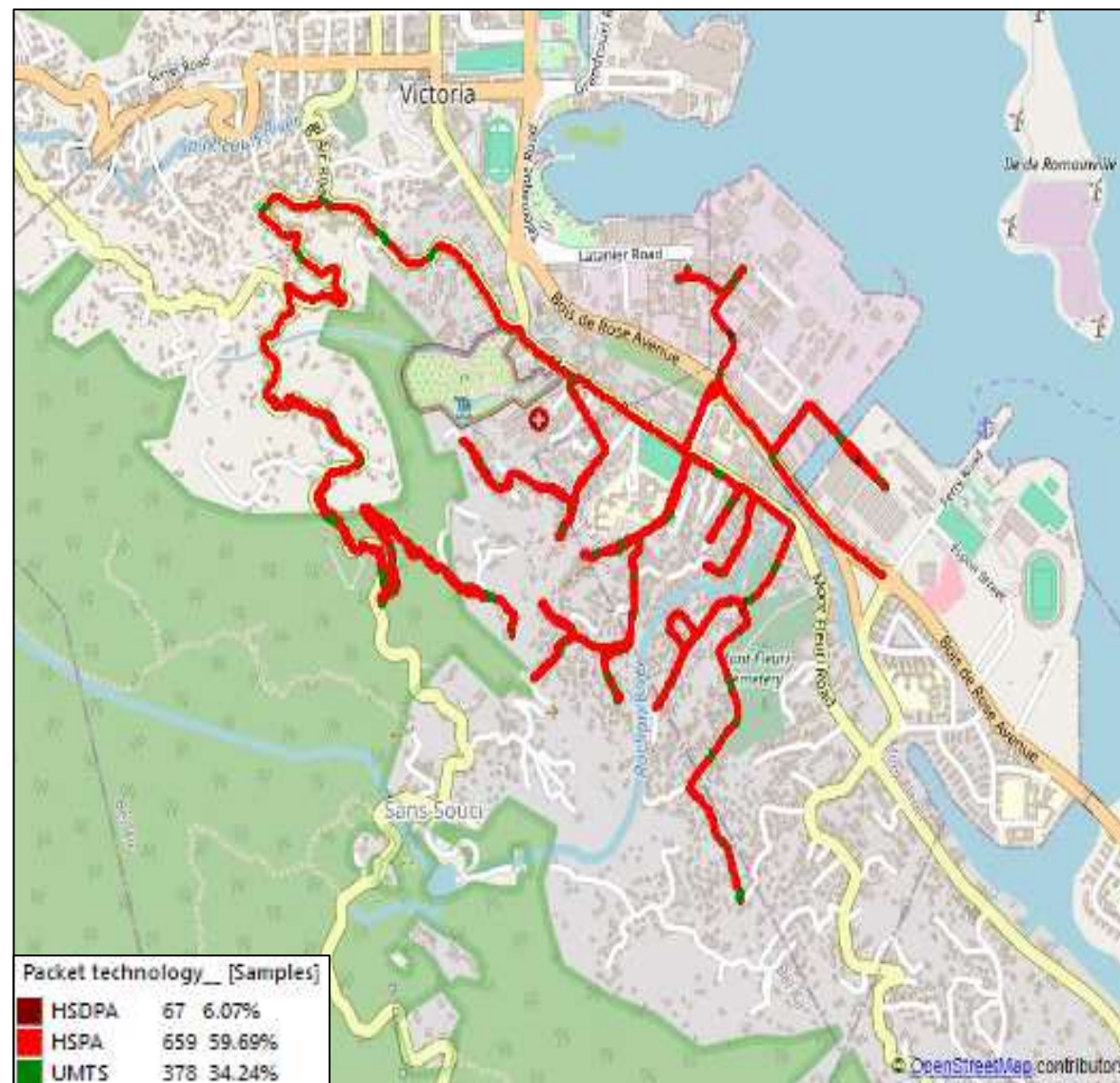
Airtel Data 3G



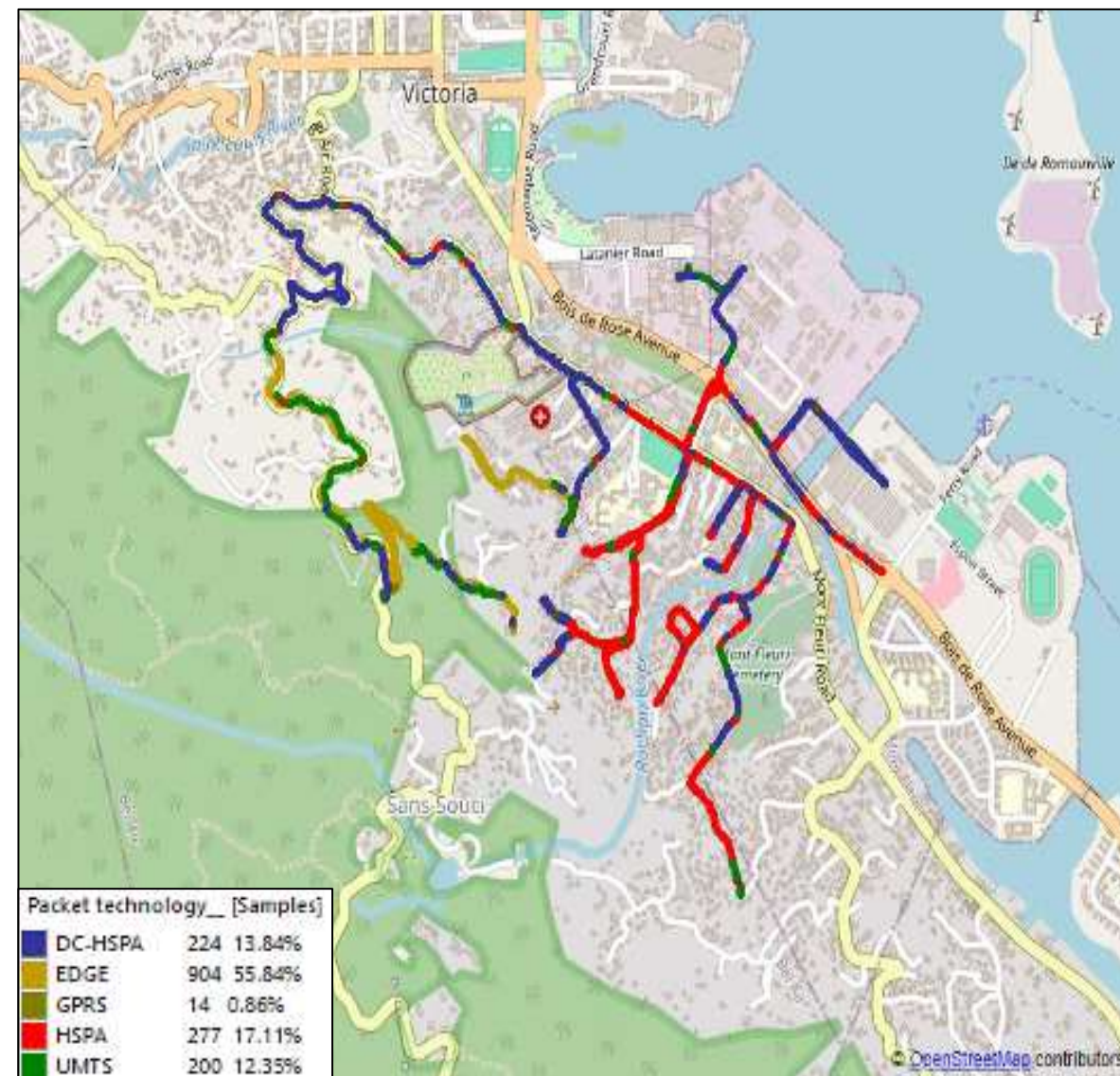
CWS Data 3G



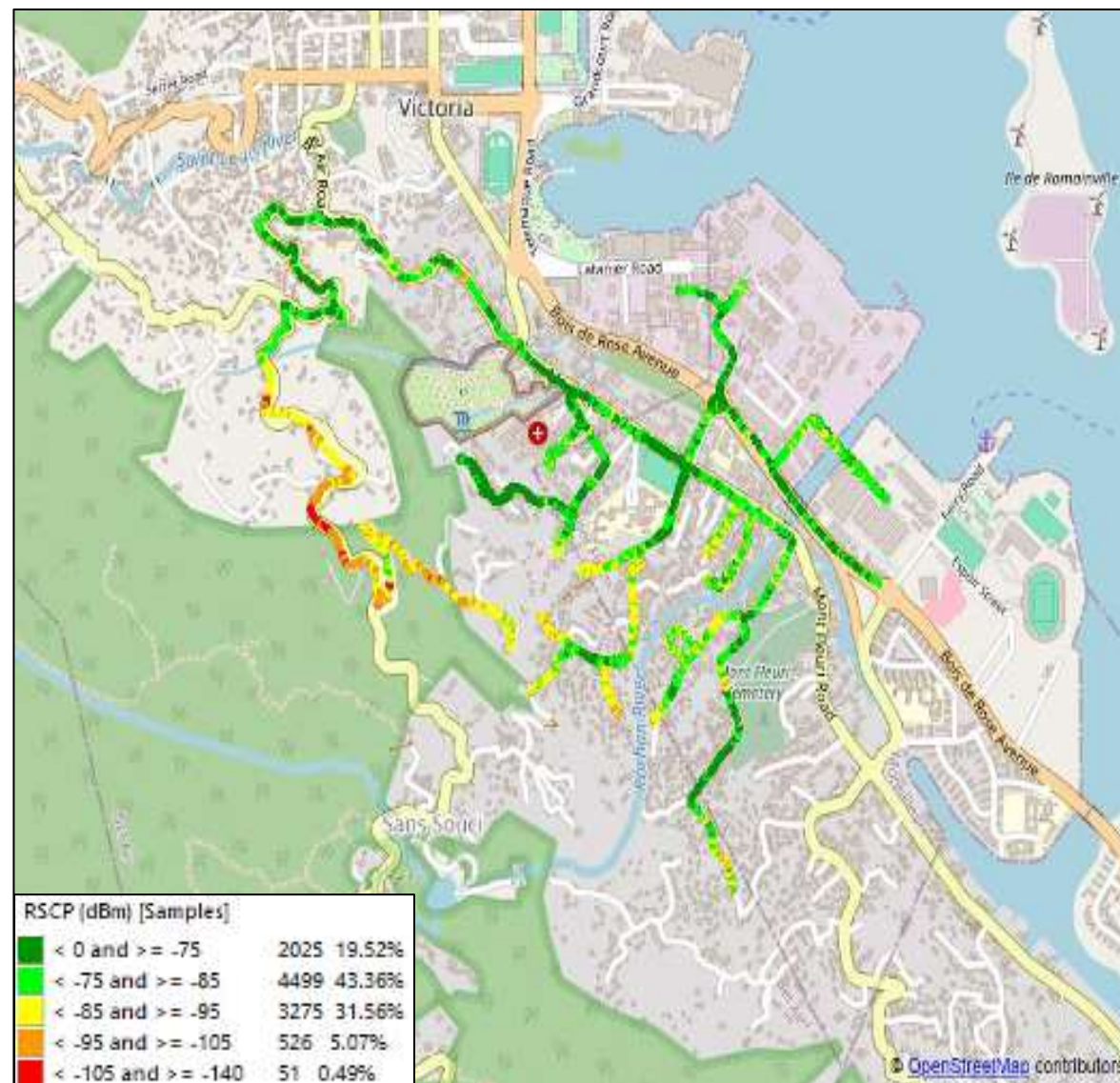
Airtel Data 3G



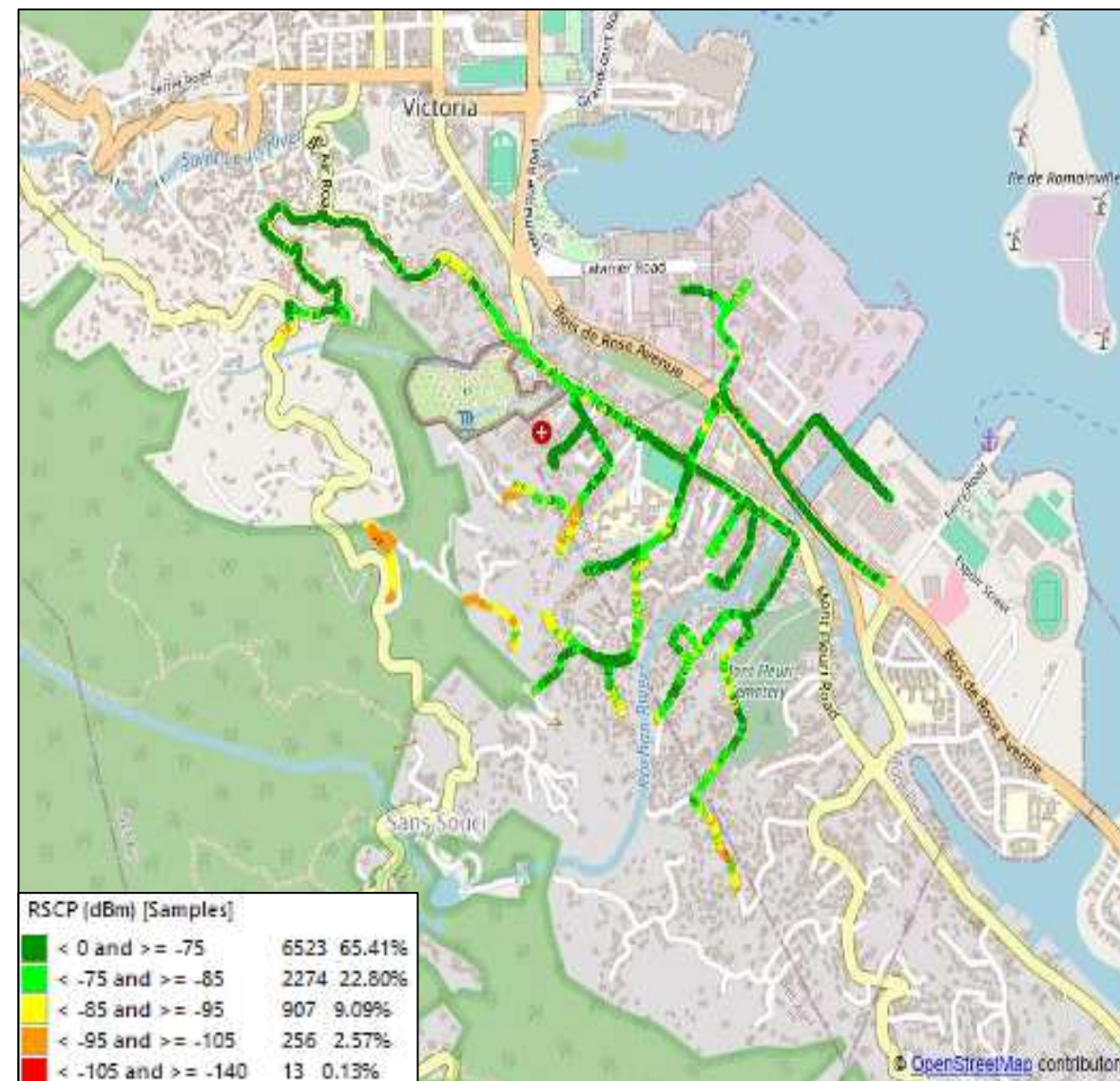
CWS Data 3G



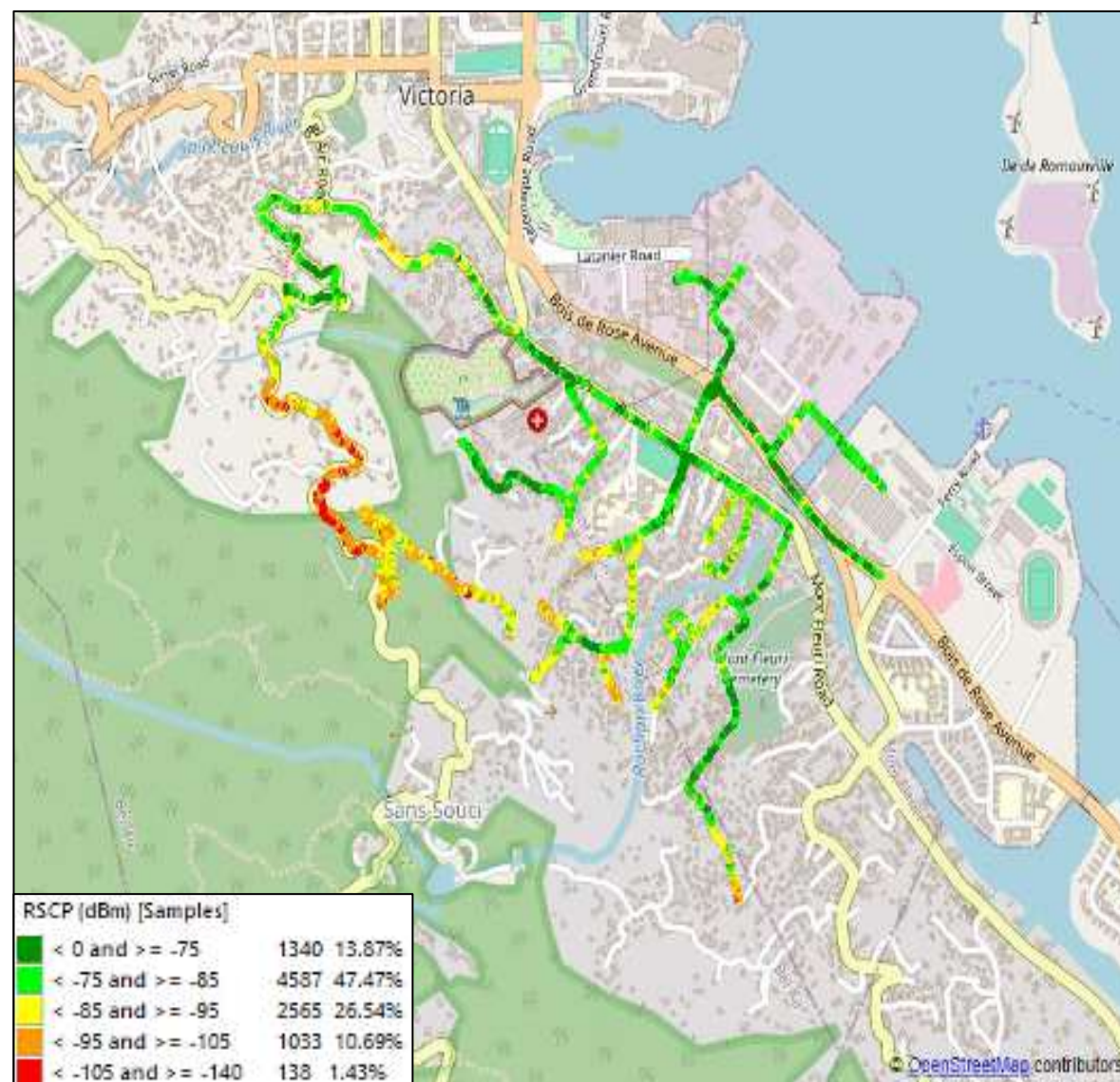
Airtel Data 3G



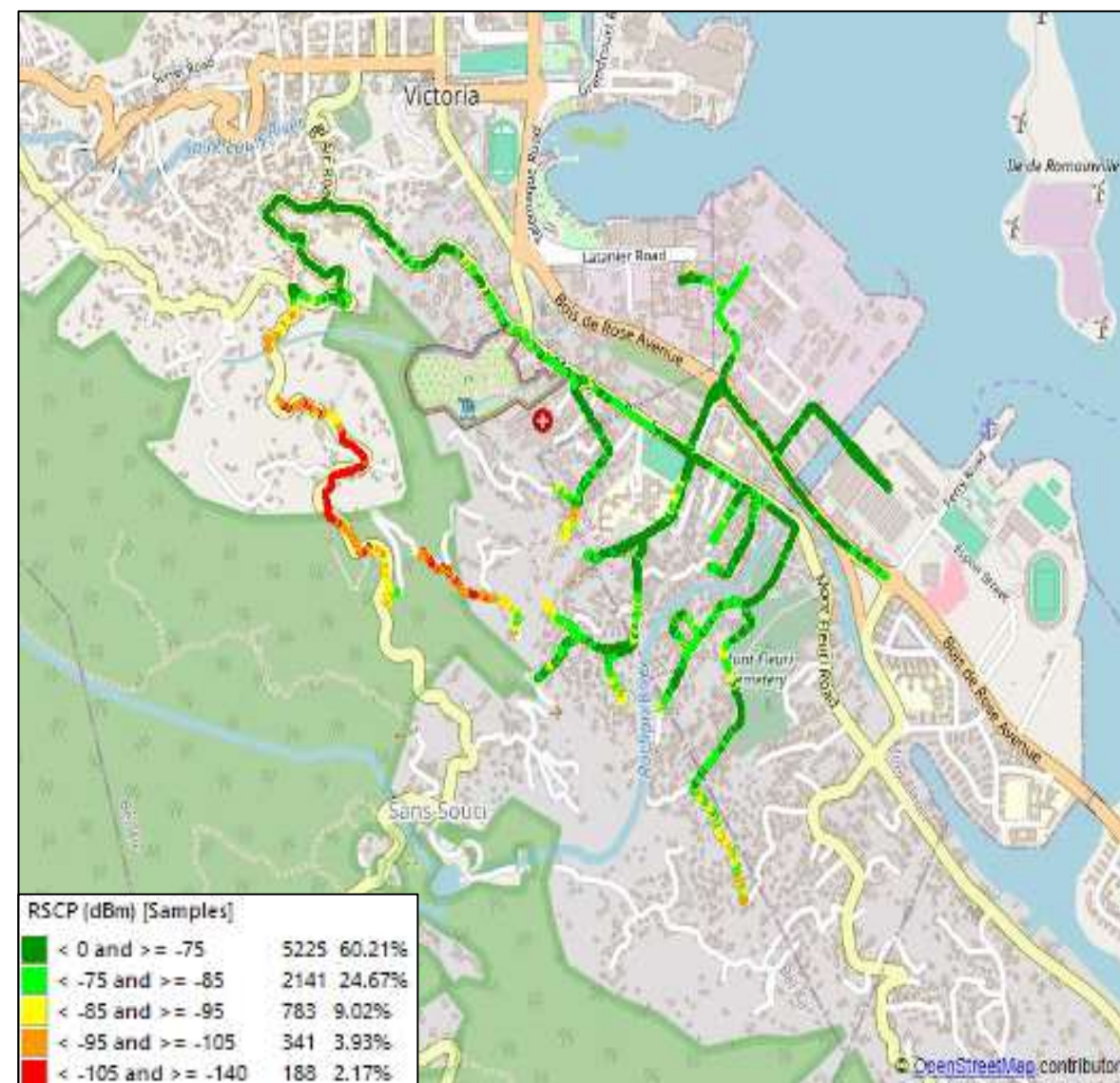
CWS Data 3G



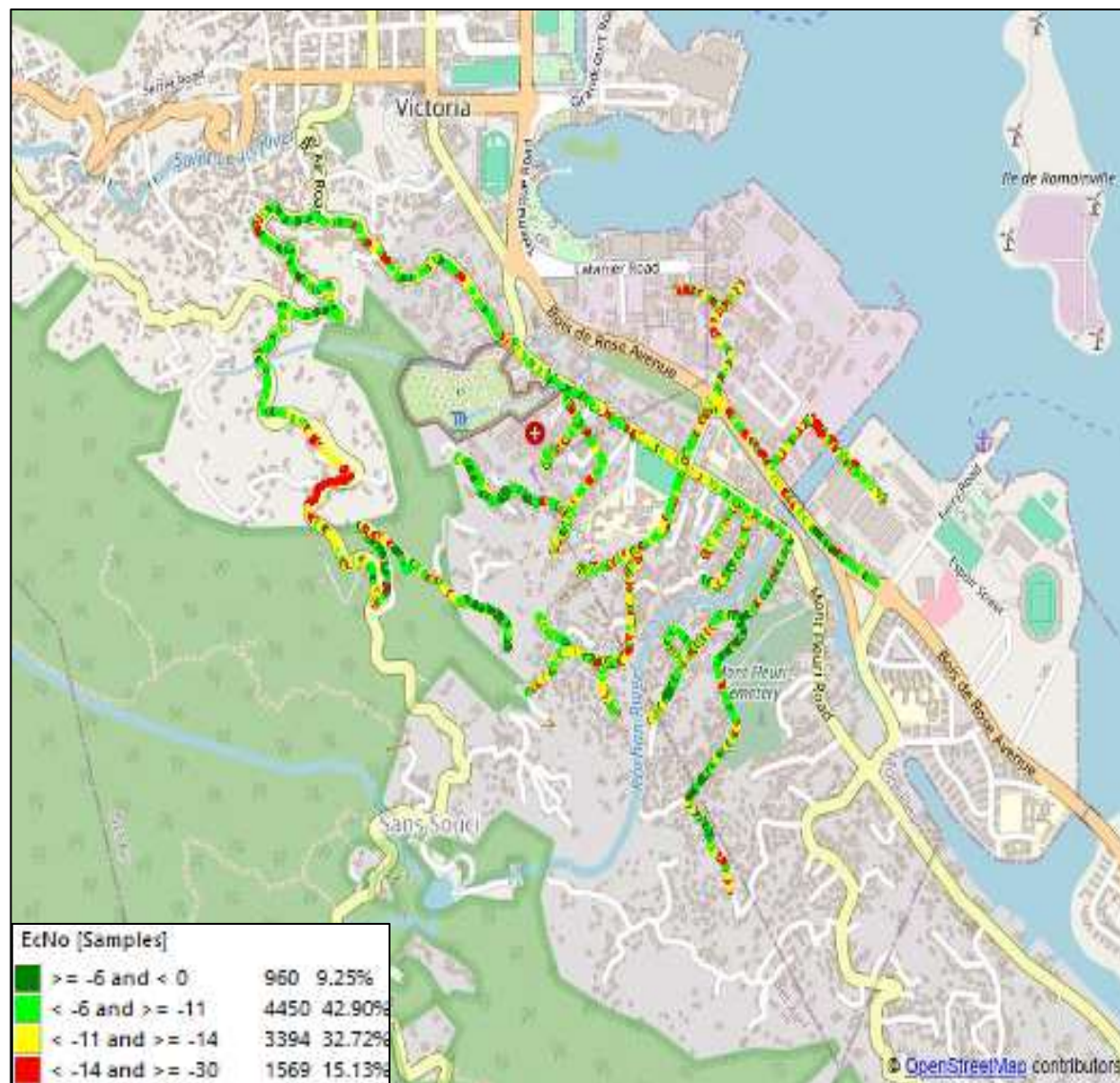
Airtel Data 3G



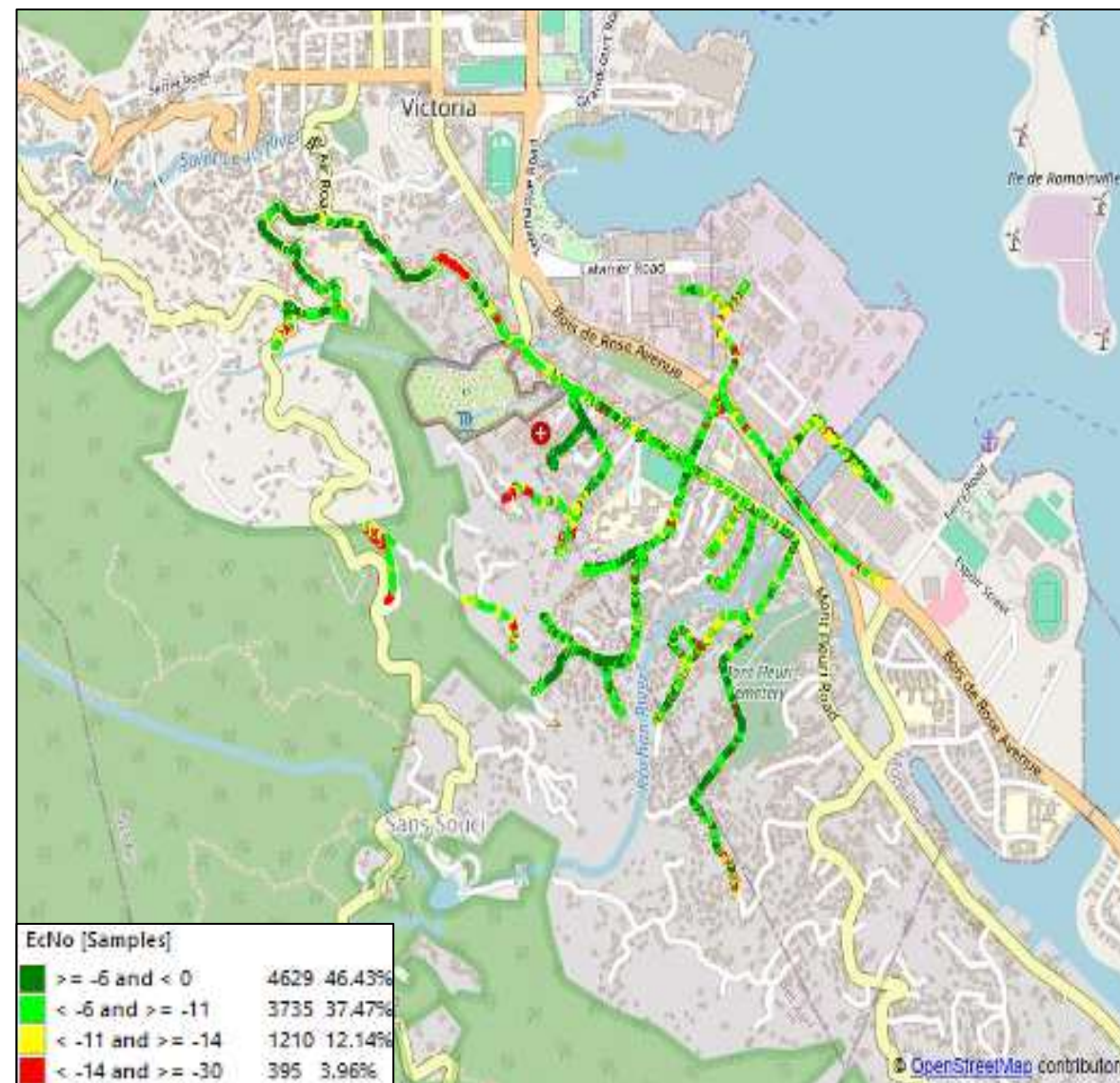
CWS Data 3G



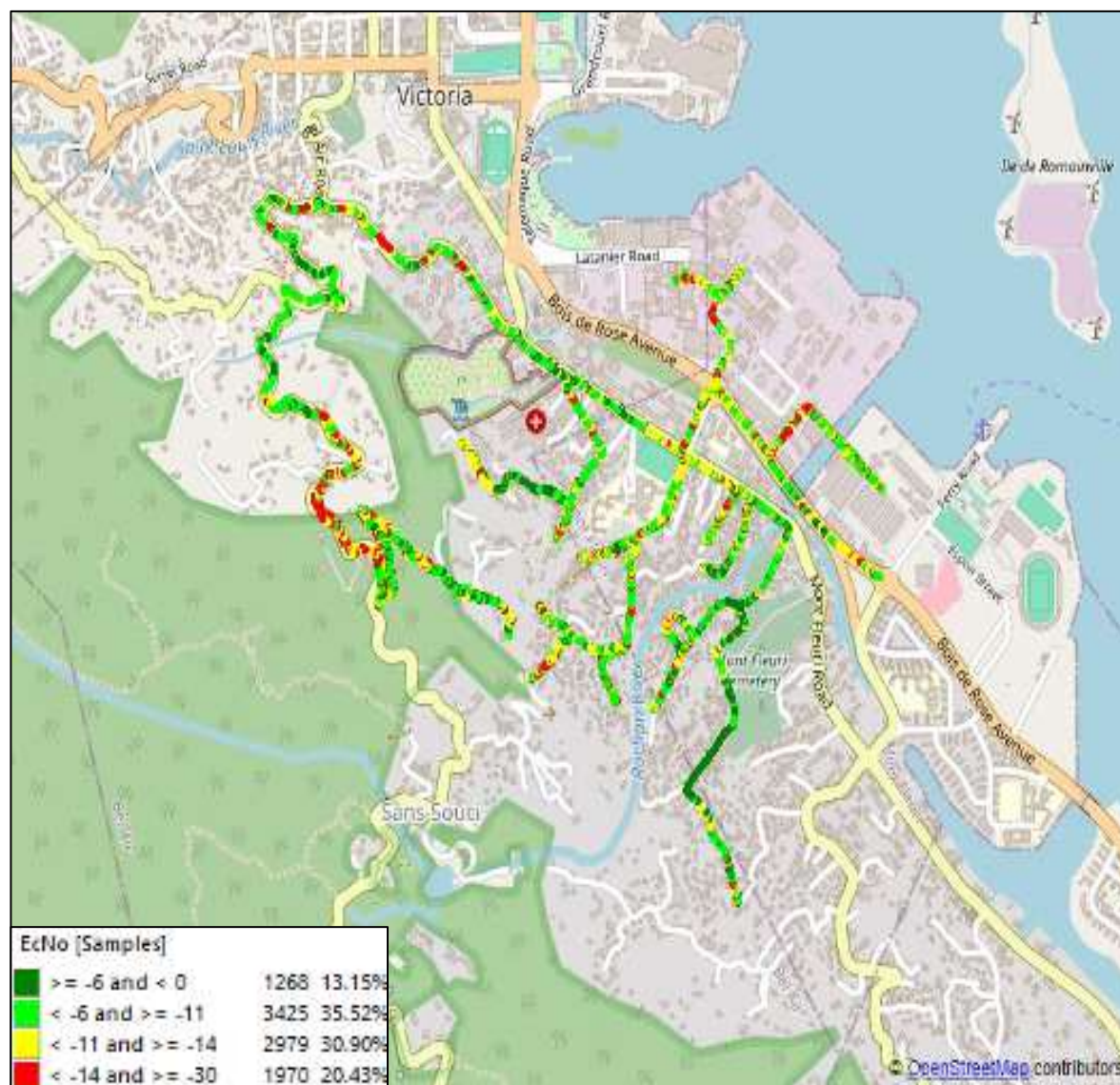
Airtel Data 3G



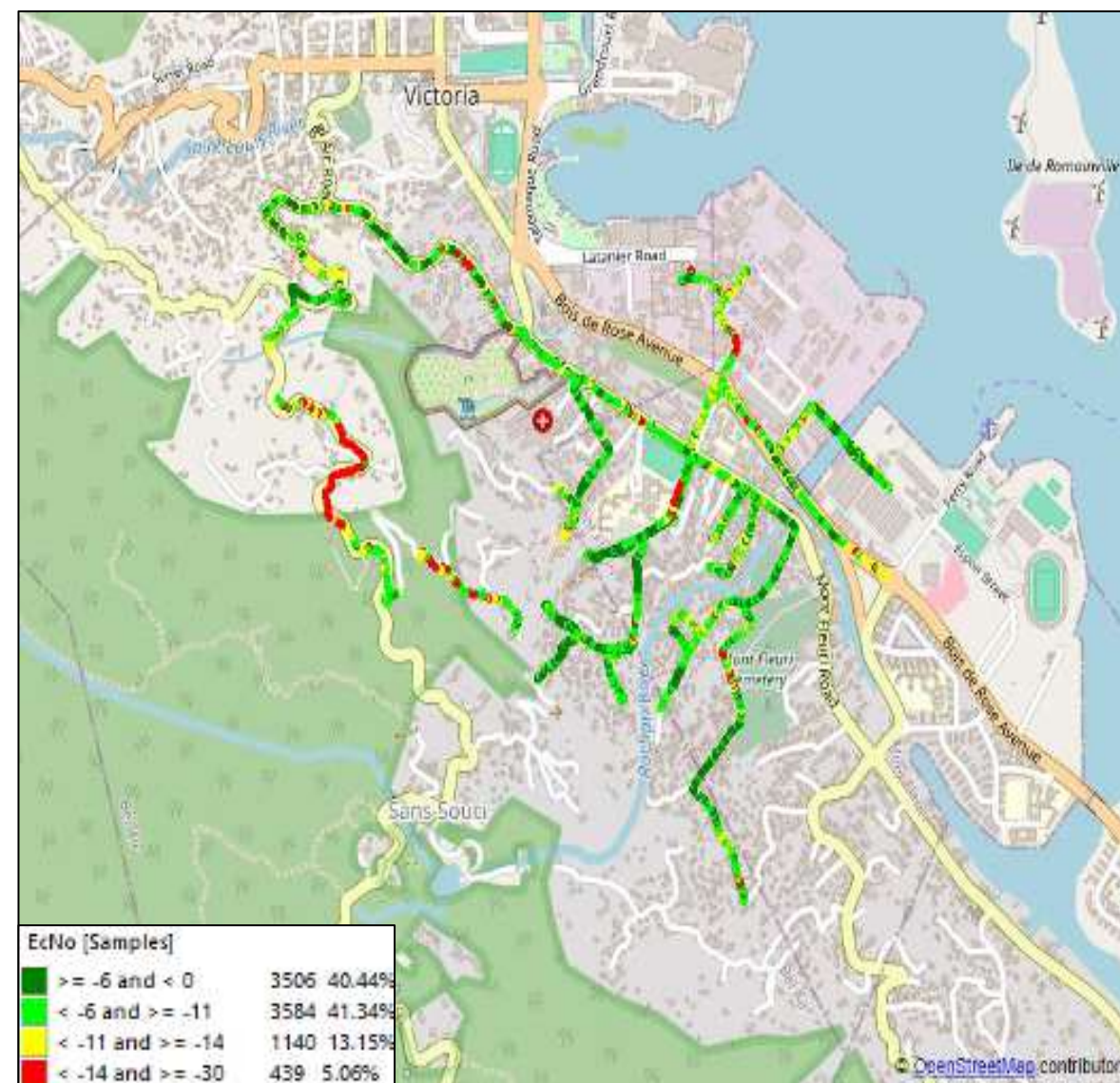
CWS Data 3G



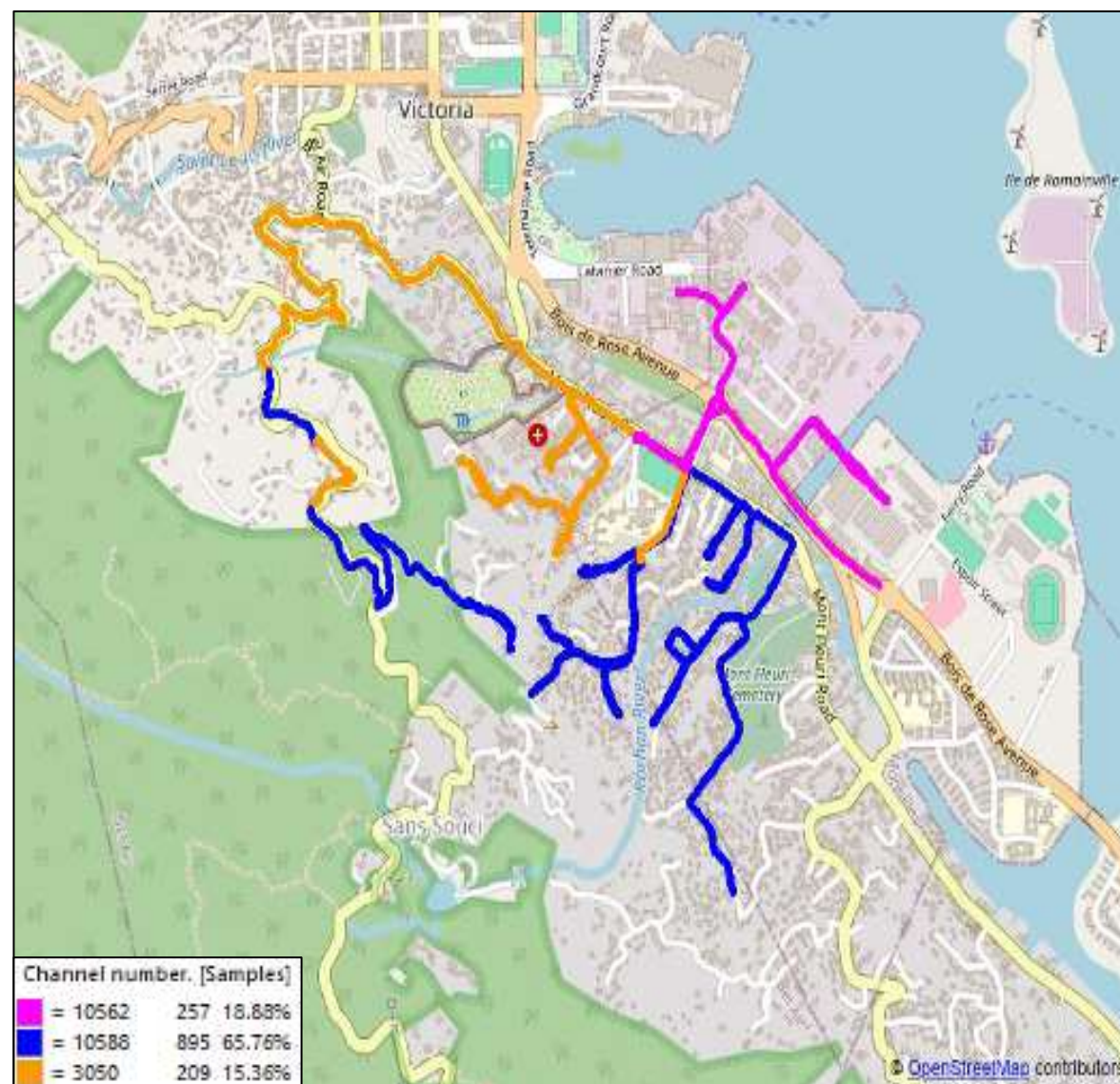
Airtel Data 3G



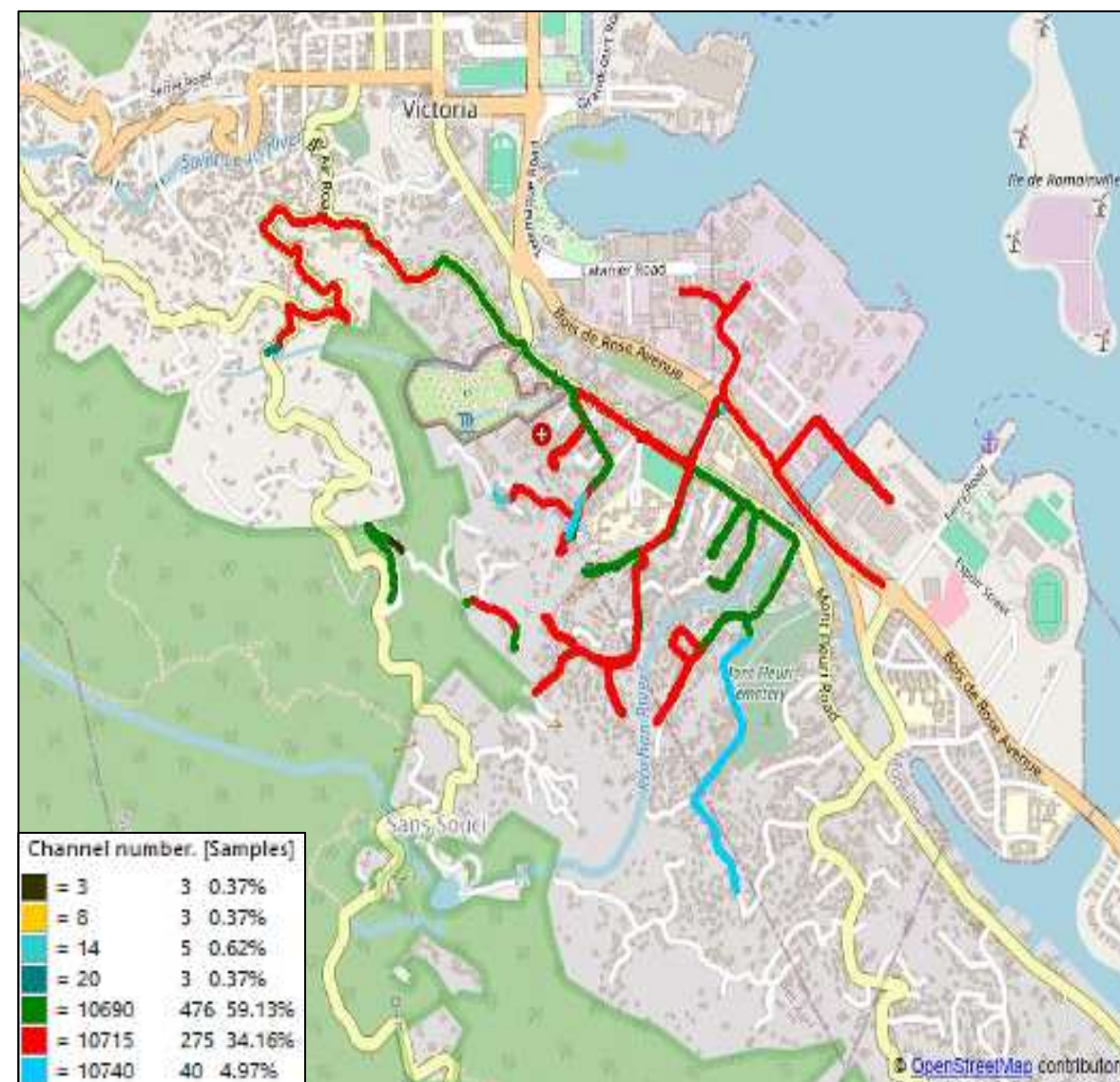
CWS Data 3G



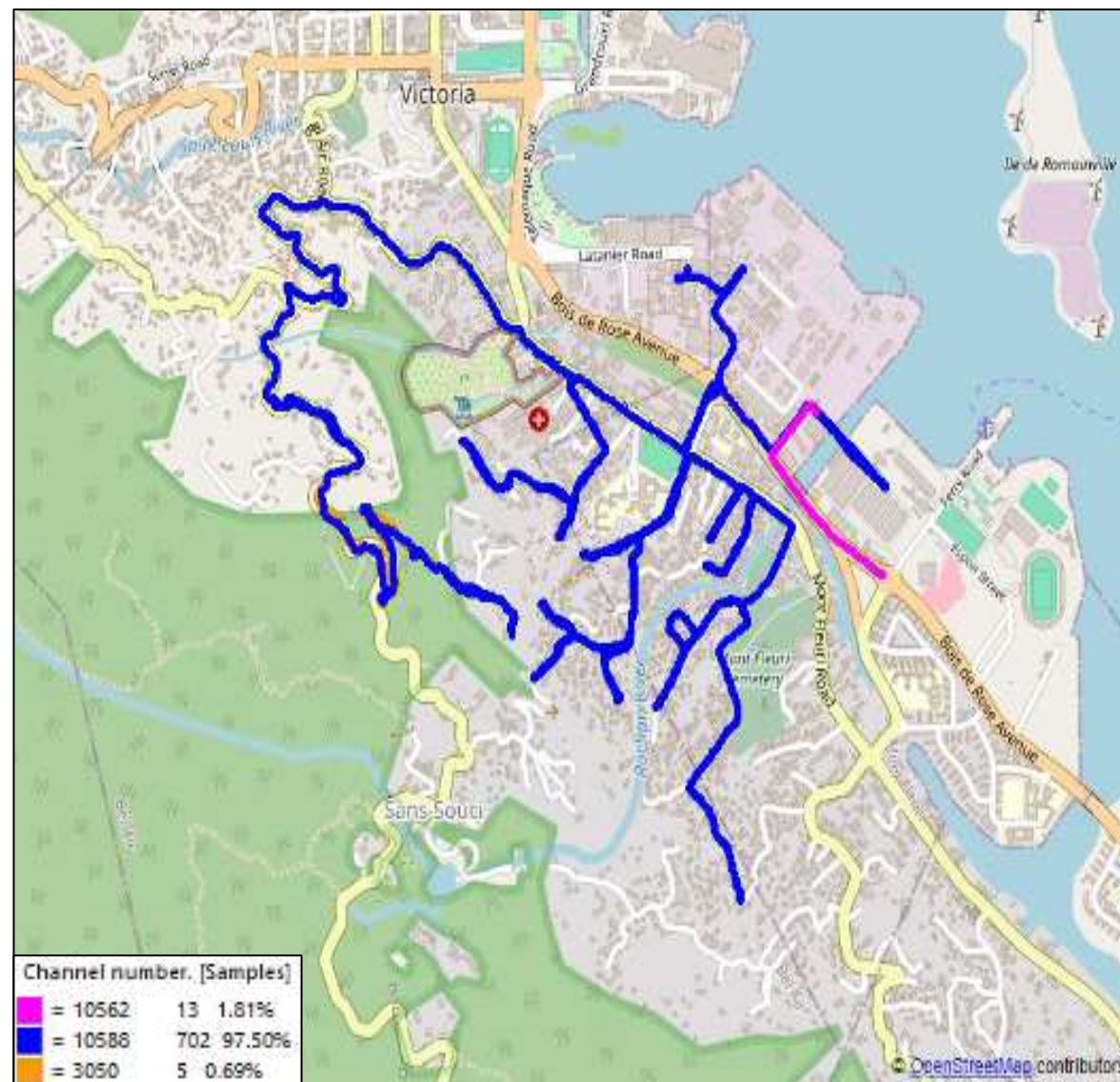
Airtel Data 3G



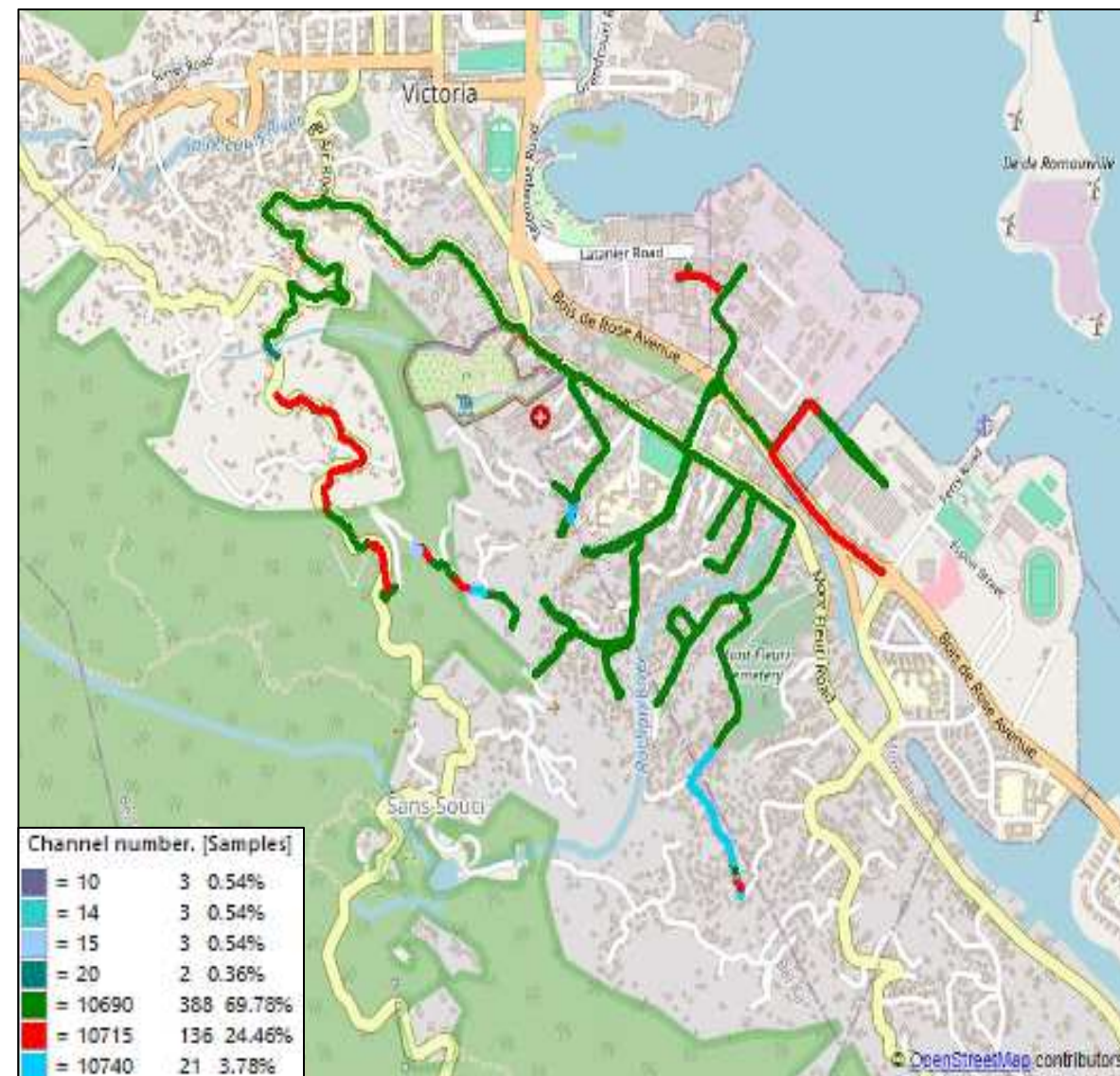
CWS Data 3G



Airtel Data 3G



CWS Data 3G

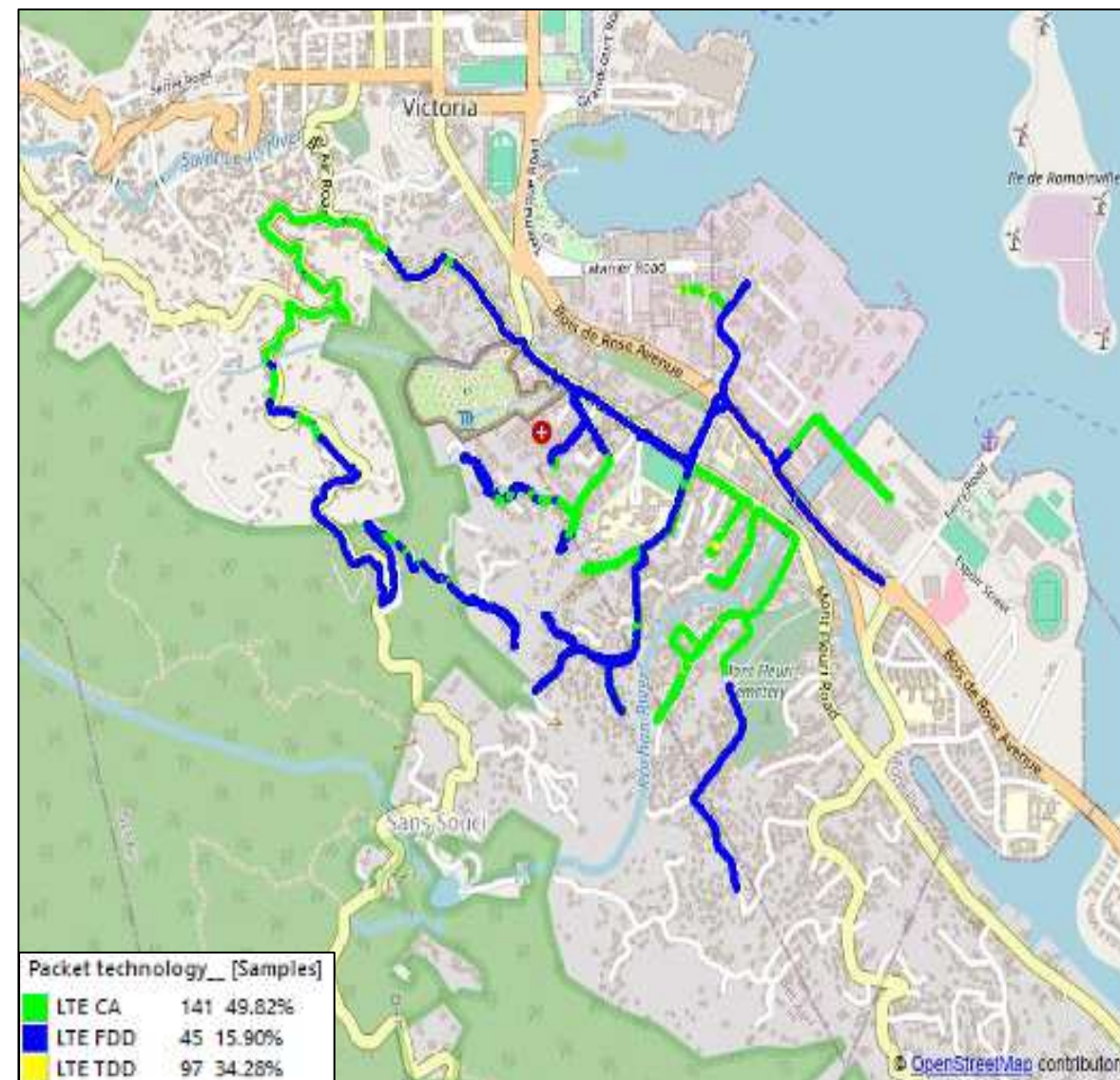


4G PREFERRED DATA DRIVE PLOTS

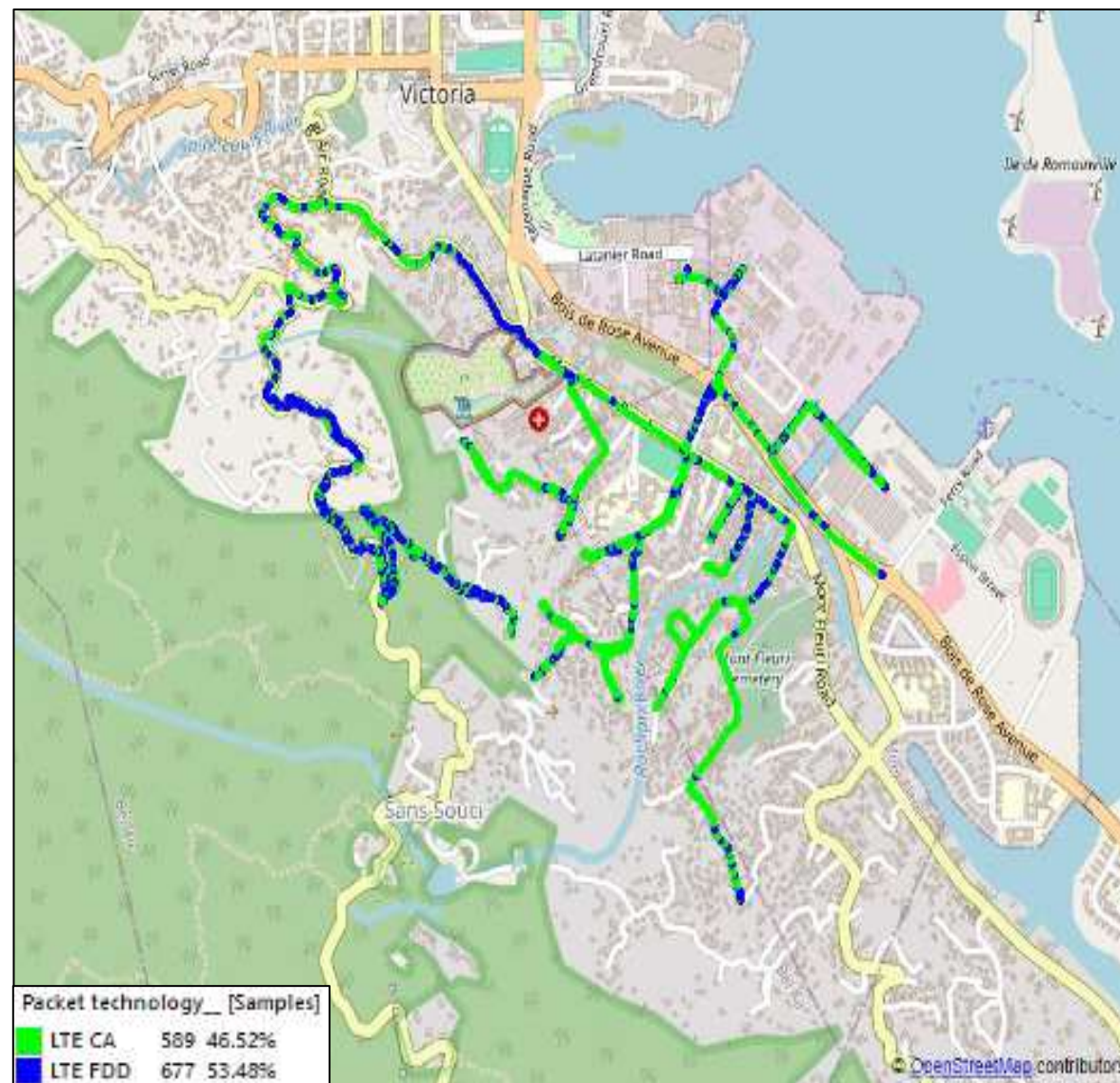
Airtel Data 4G



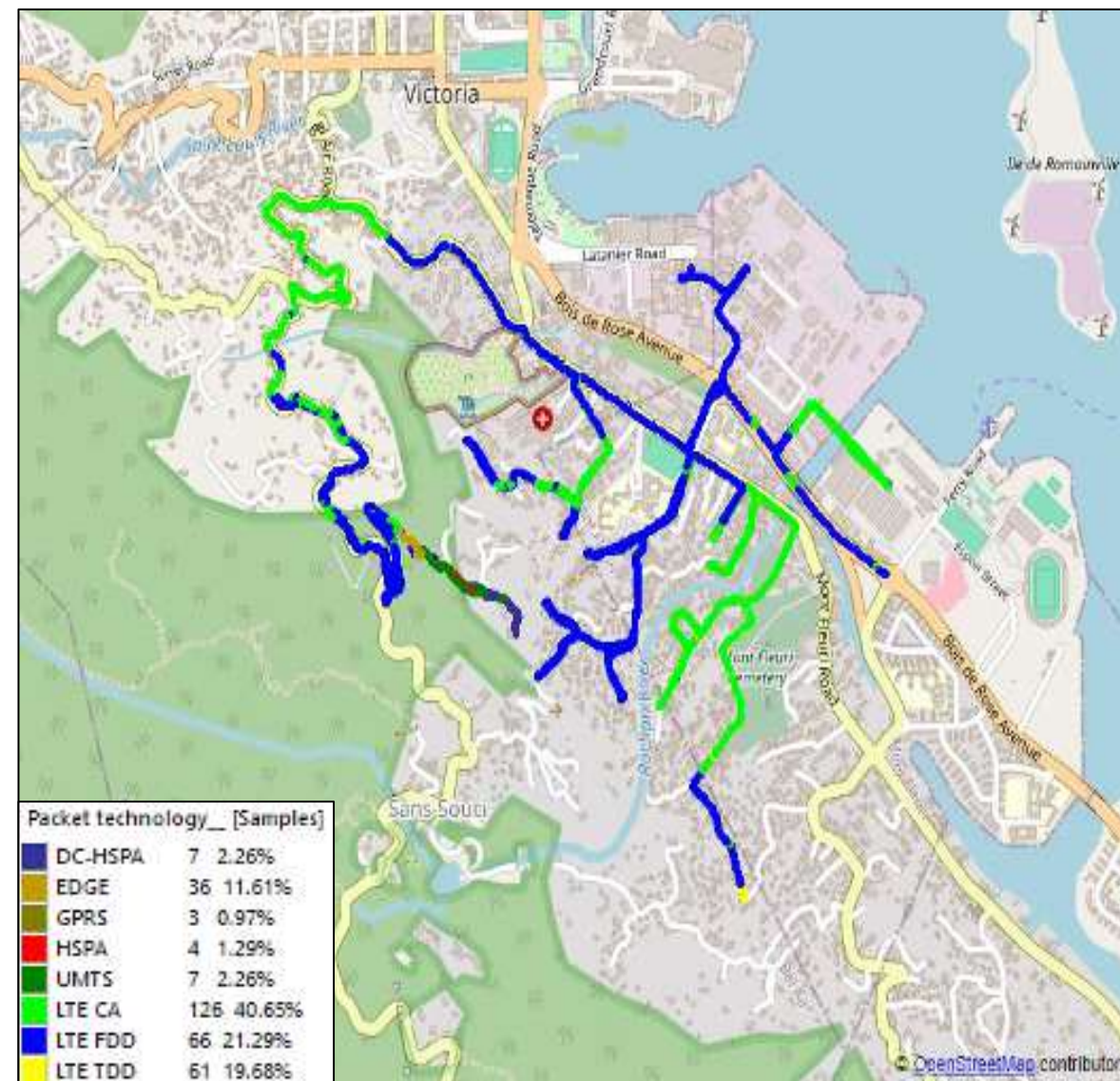
CWS Data 4G



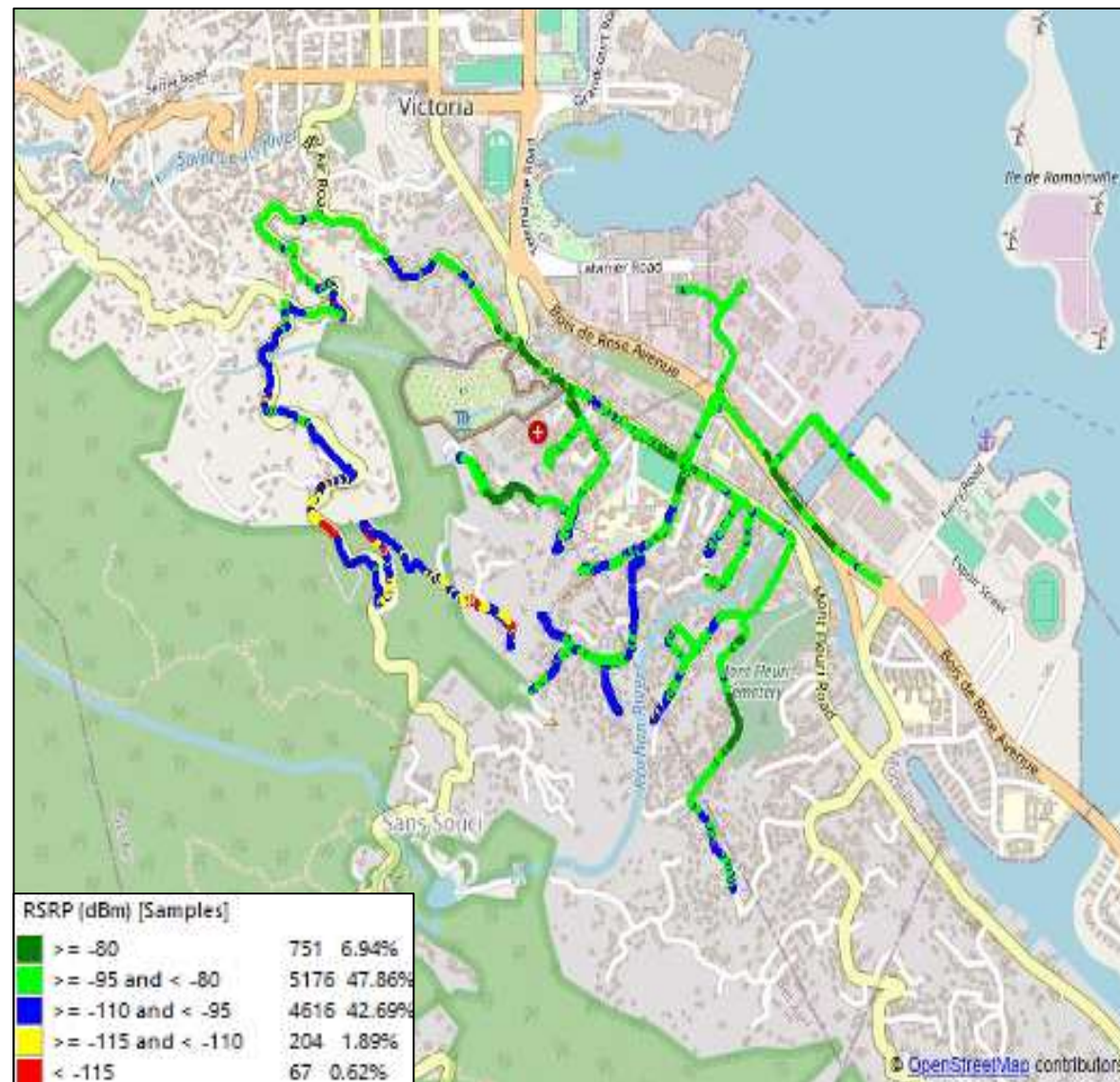
Airtel Data 4G



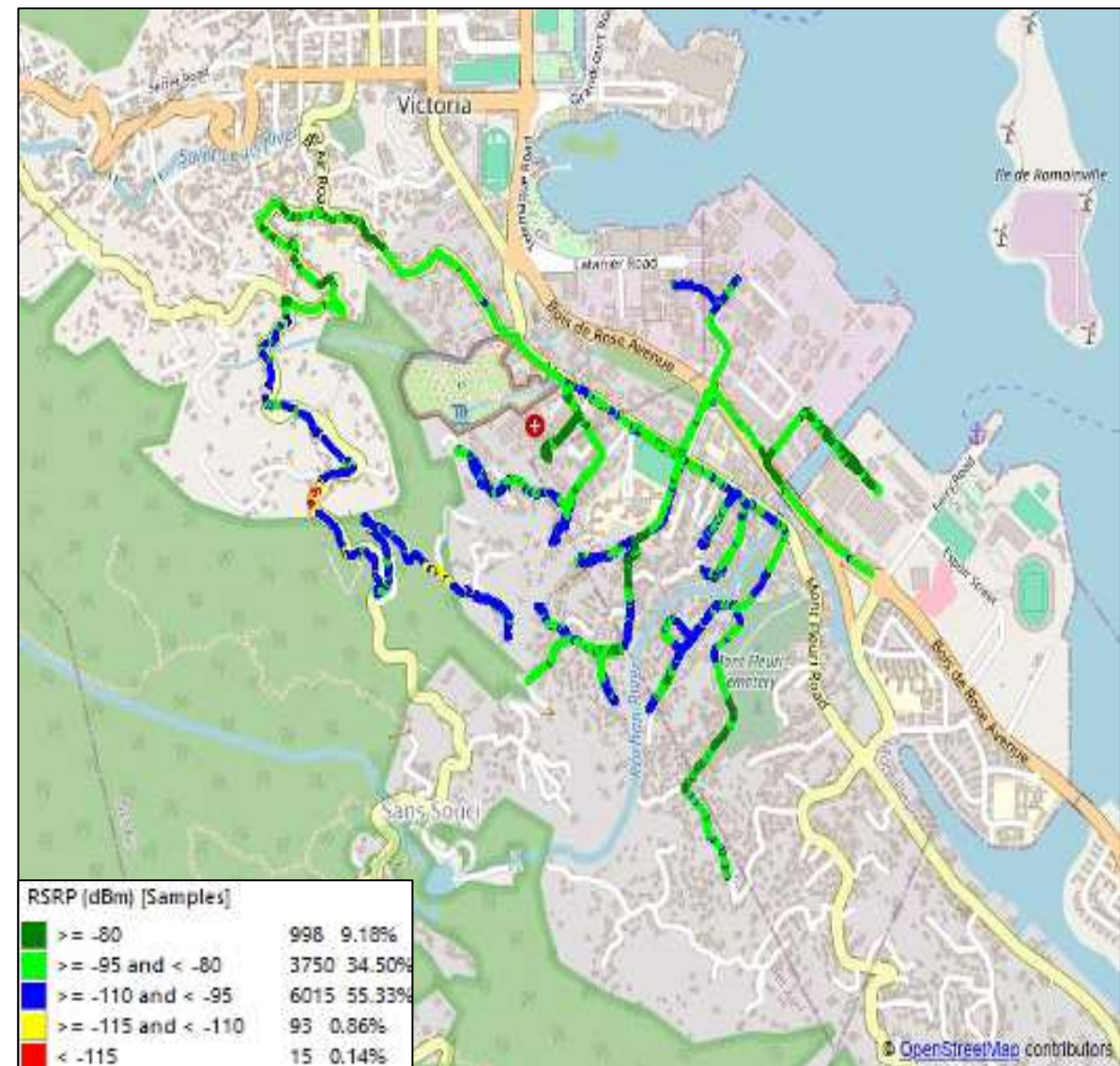
CWS Data 4G



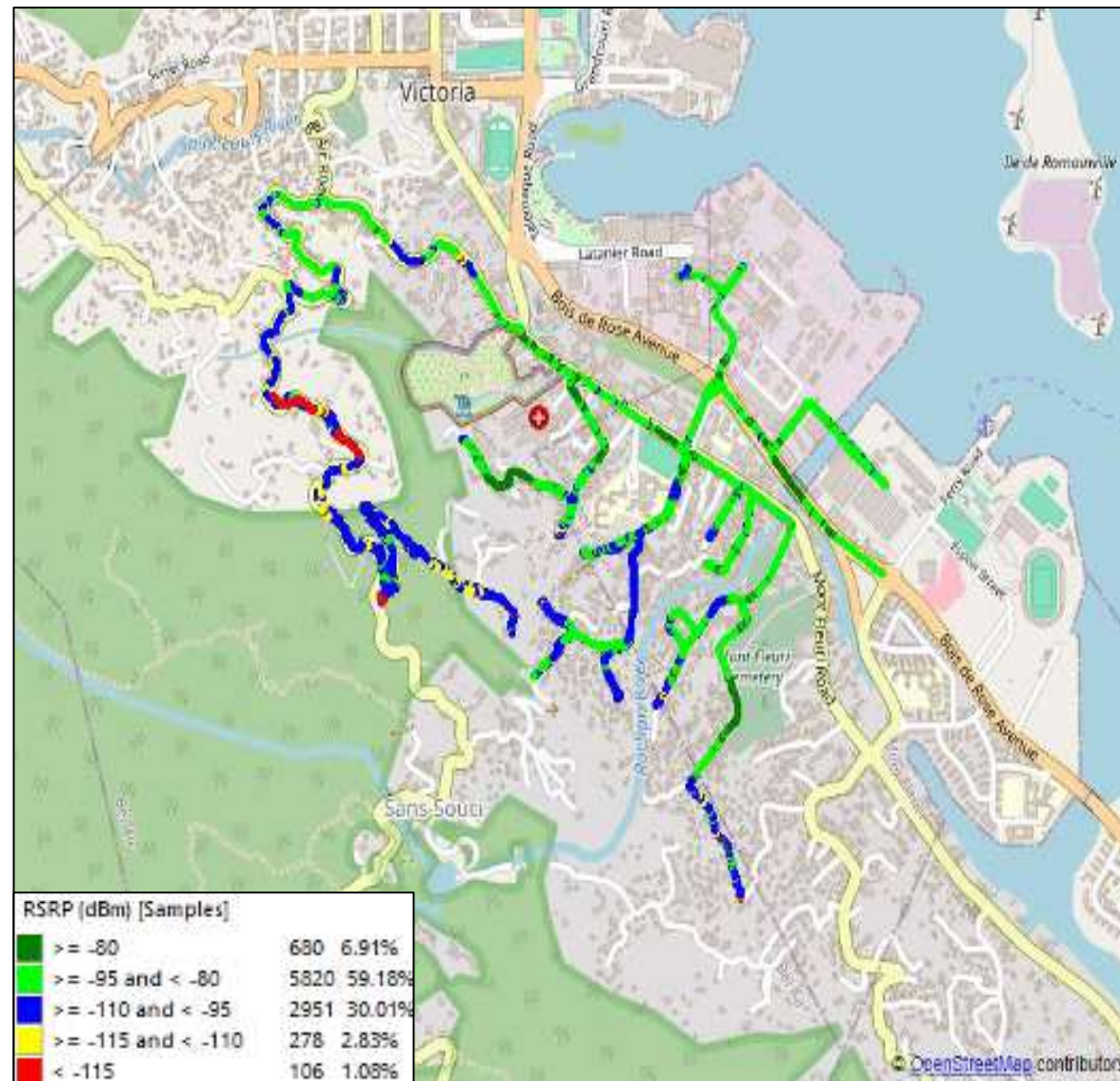
Airtel Data 4G



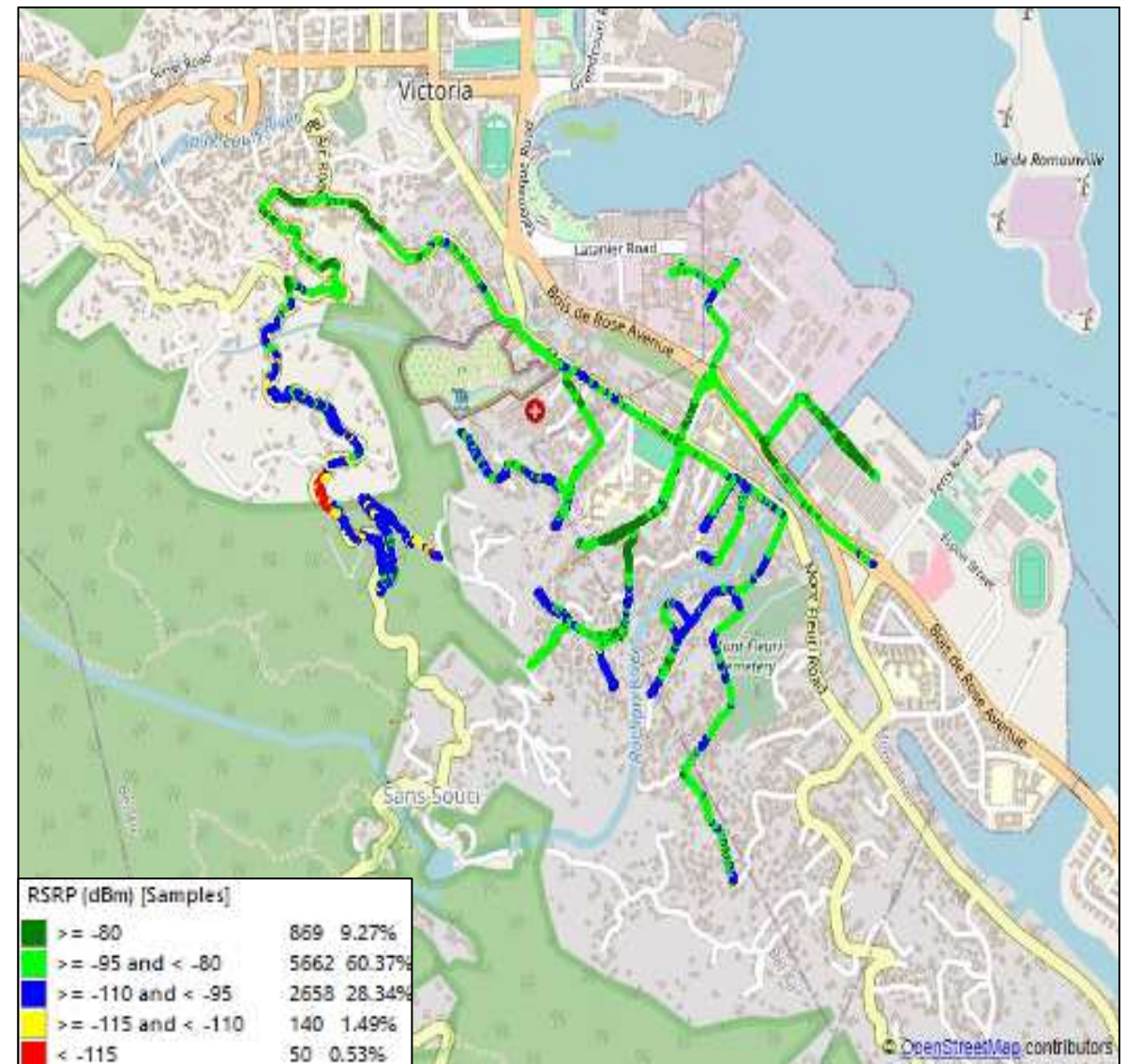
CWS Data 4G



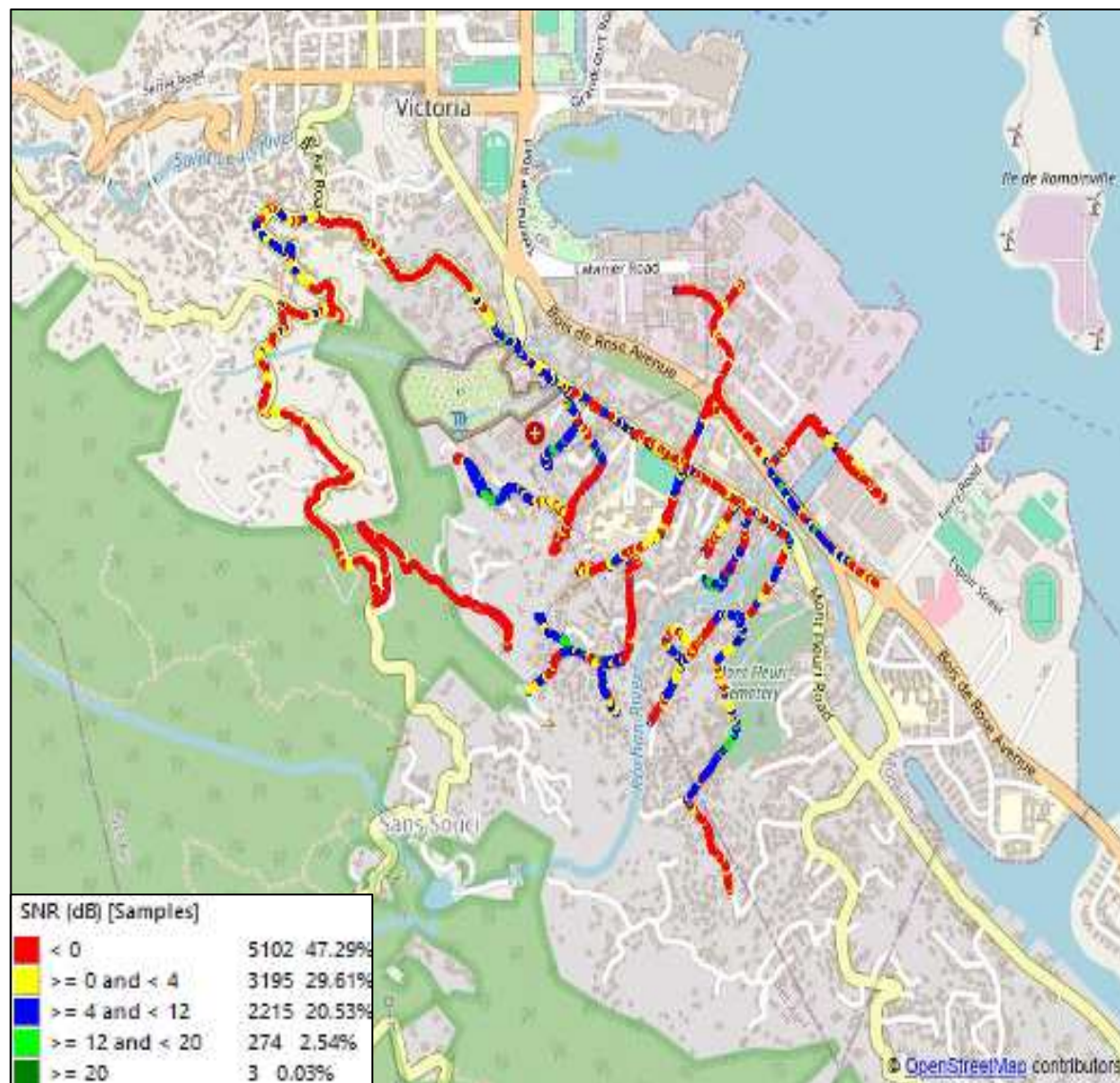
Airtel Data 4G



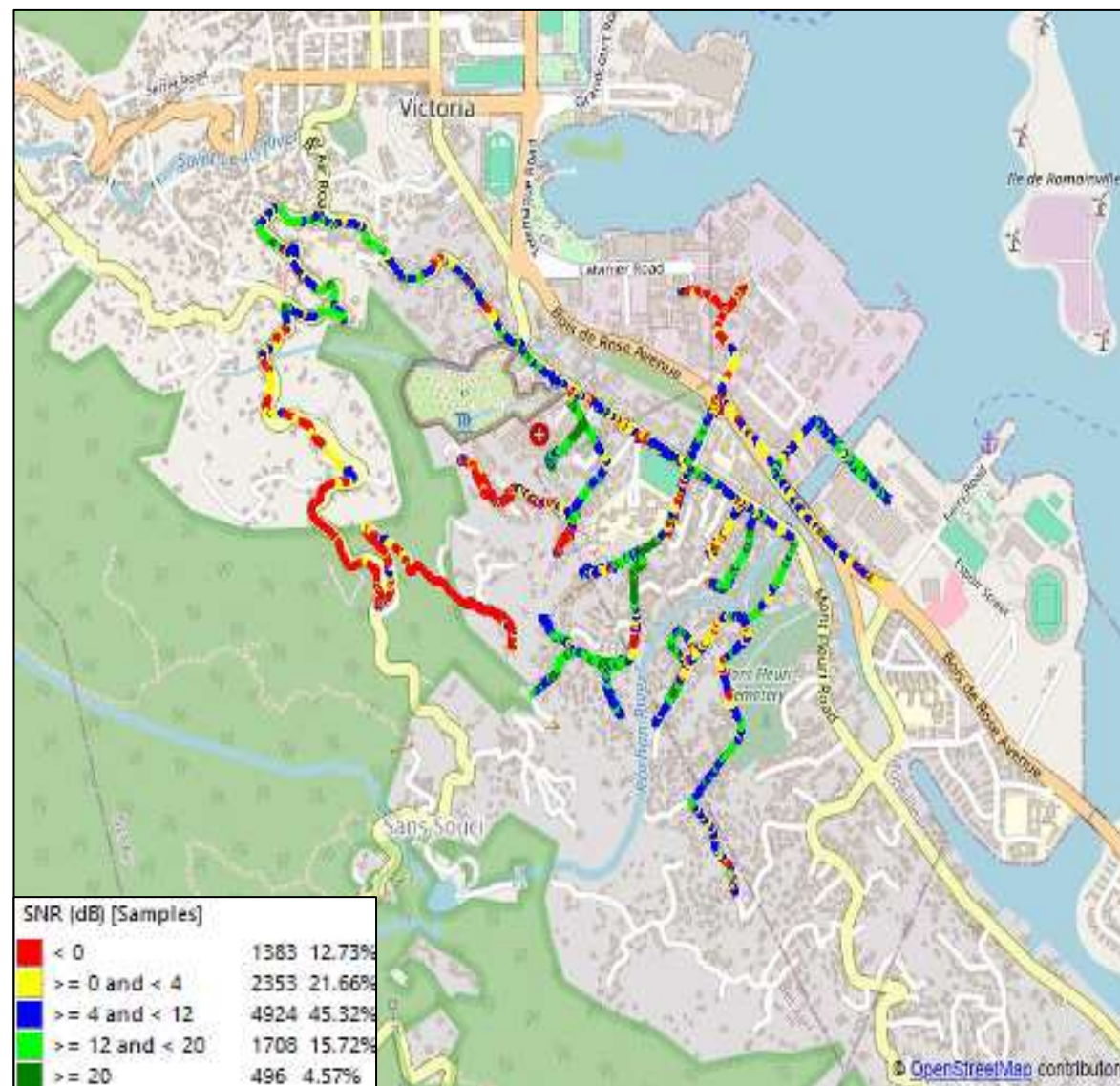
CWS Data 4G



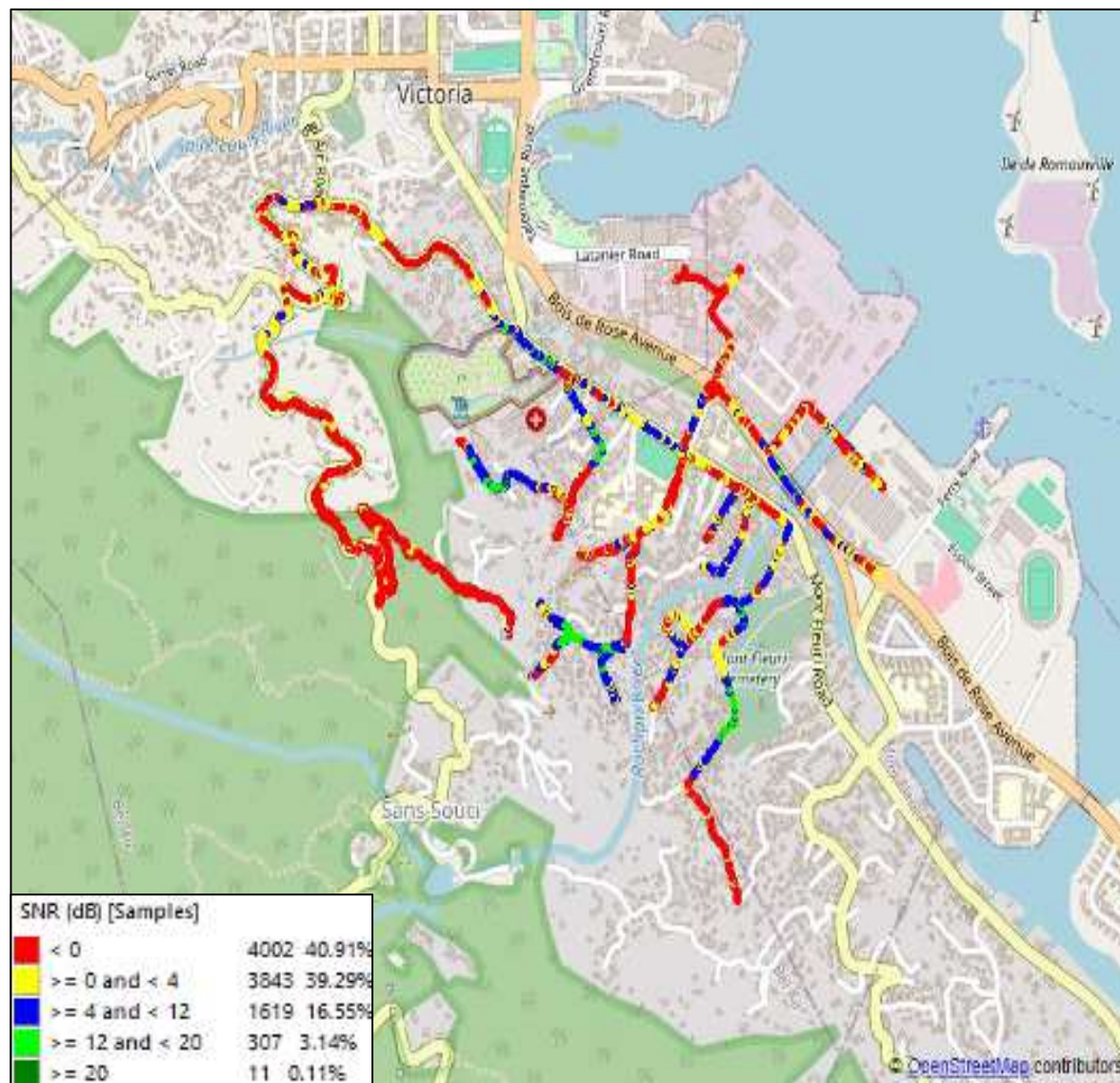
Airtel Data 4G



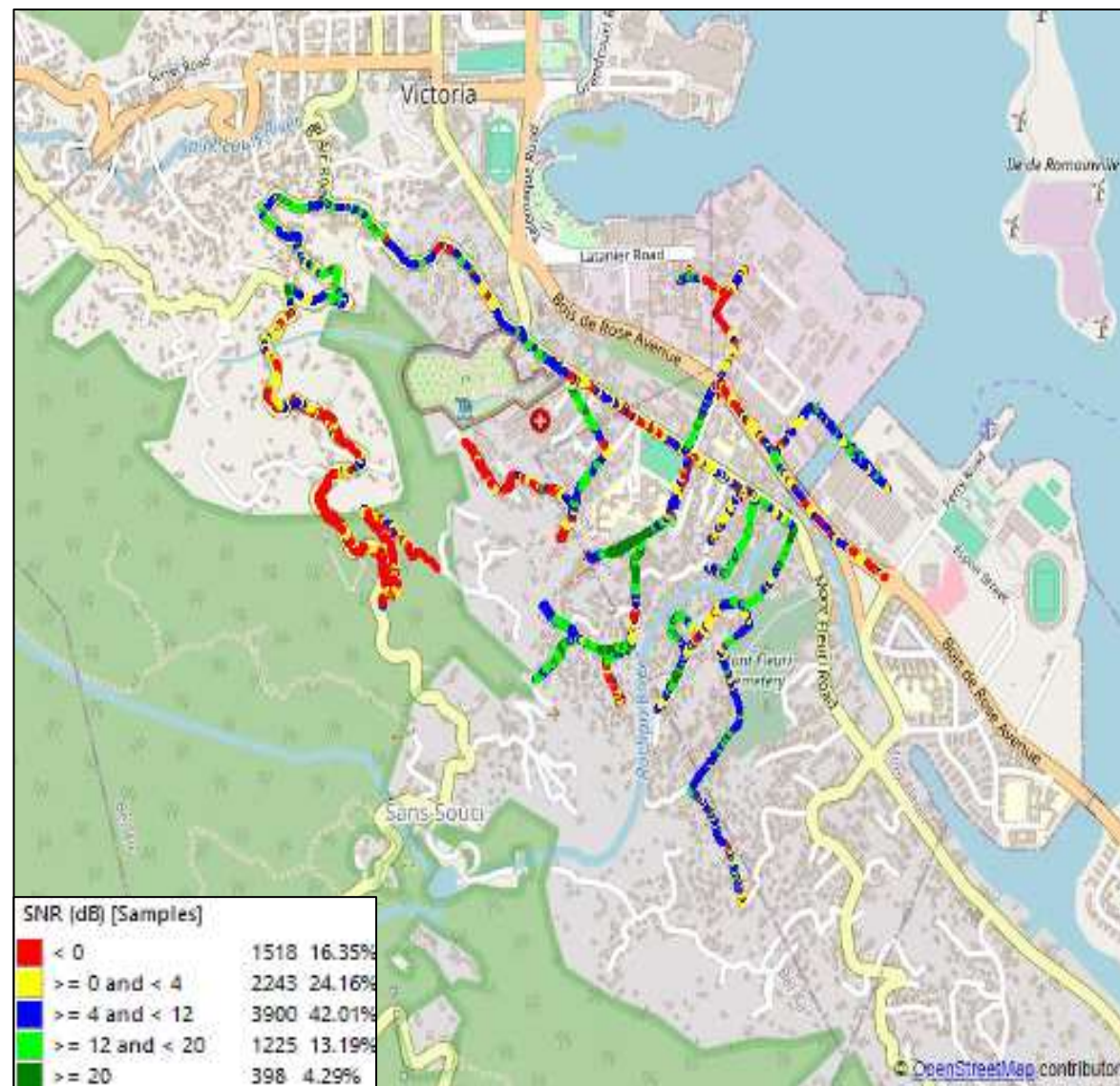
CWS Data 4G



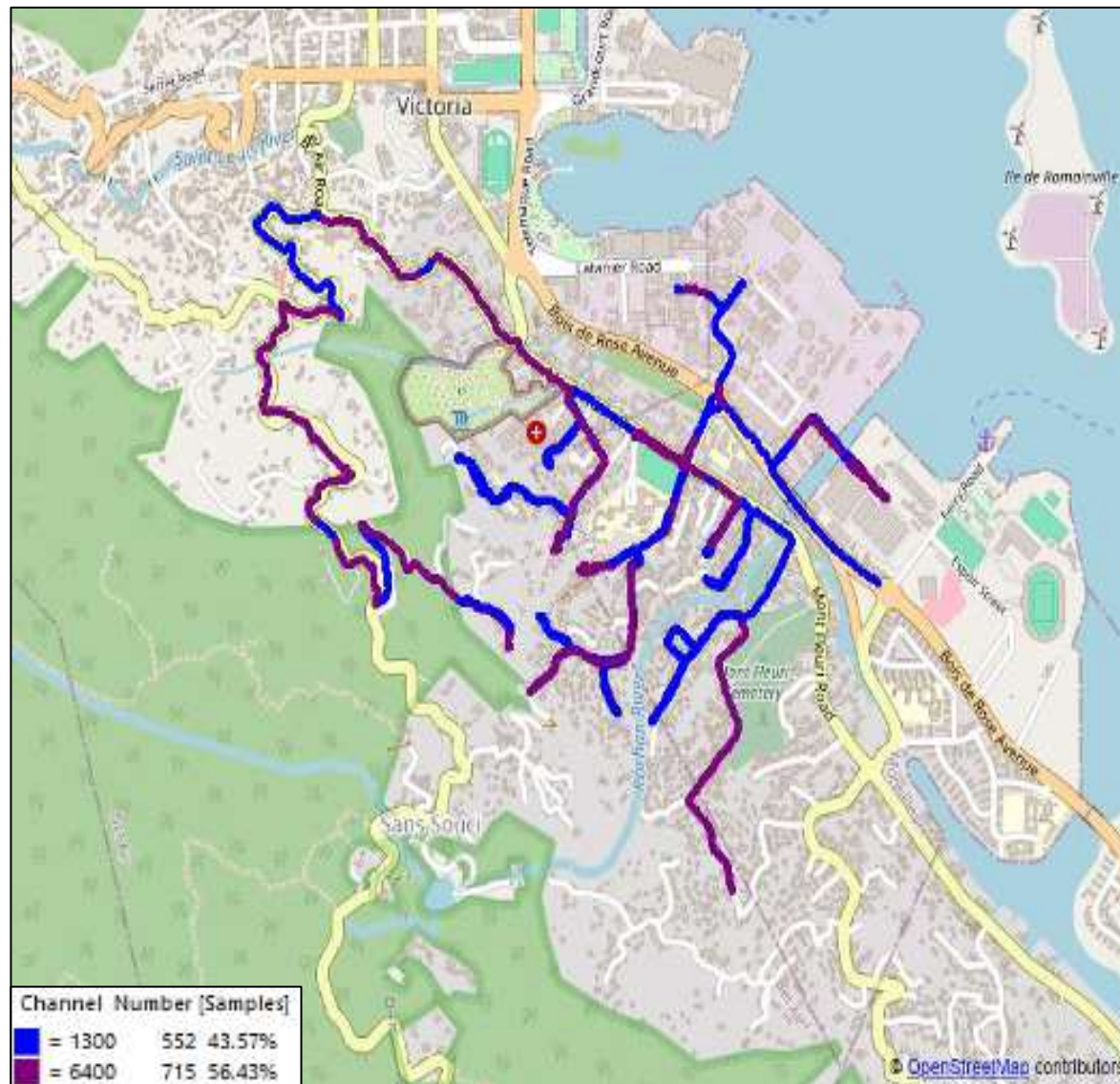
Airtel Data 4G



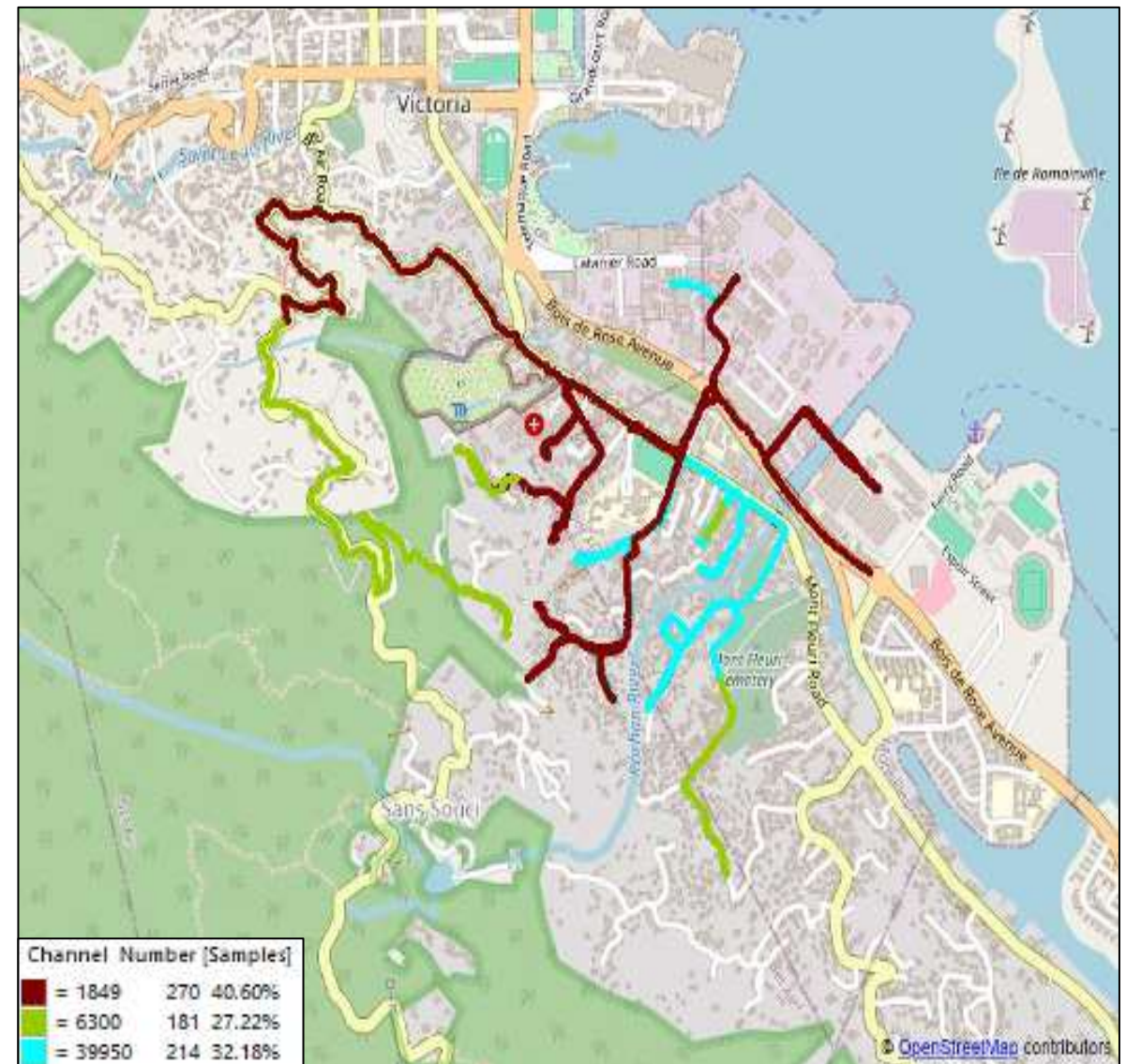
CWS Data 4G



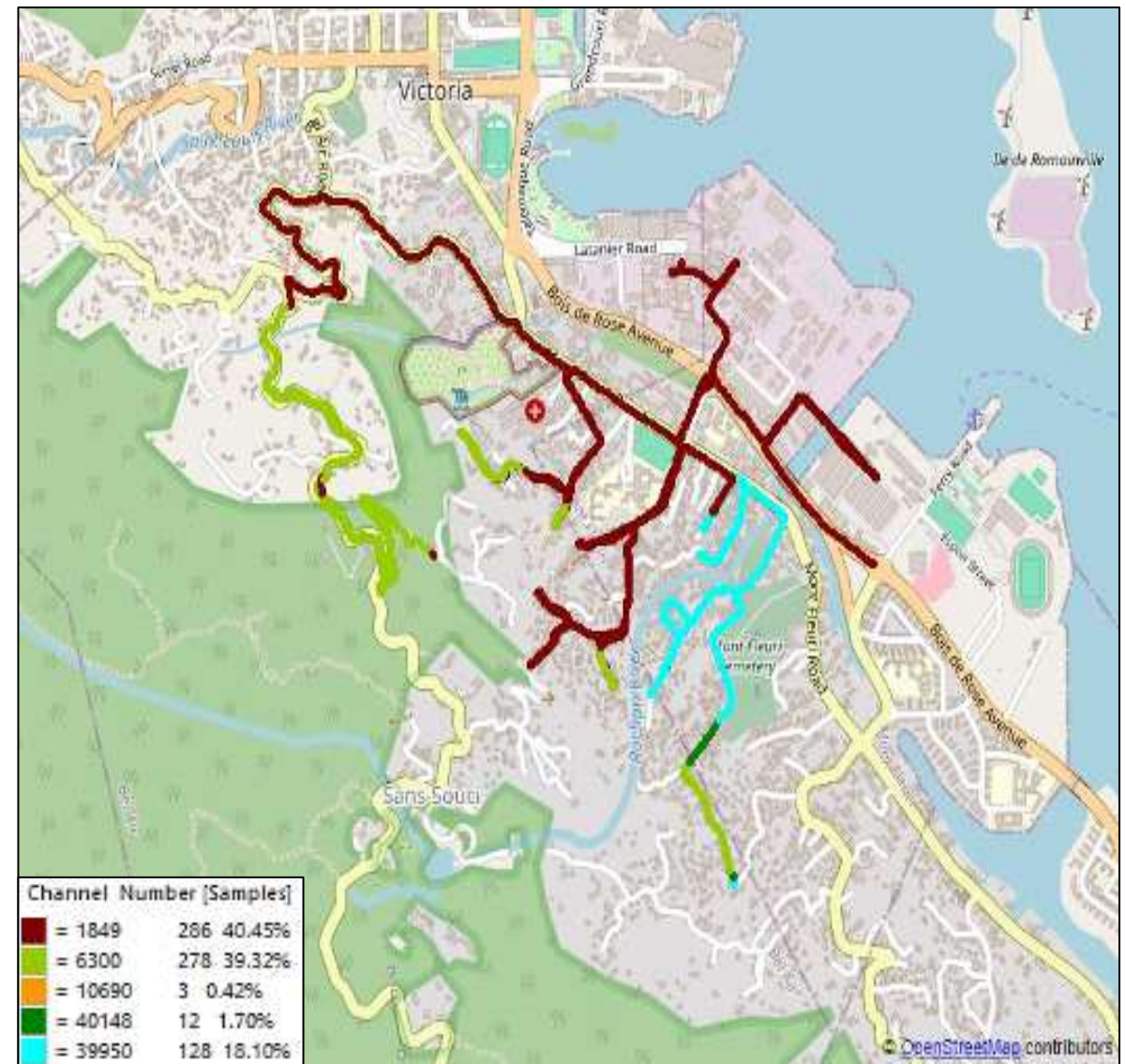
Airtel Data 4G



CWS Data 4G



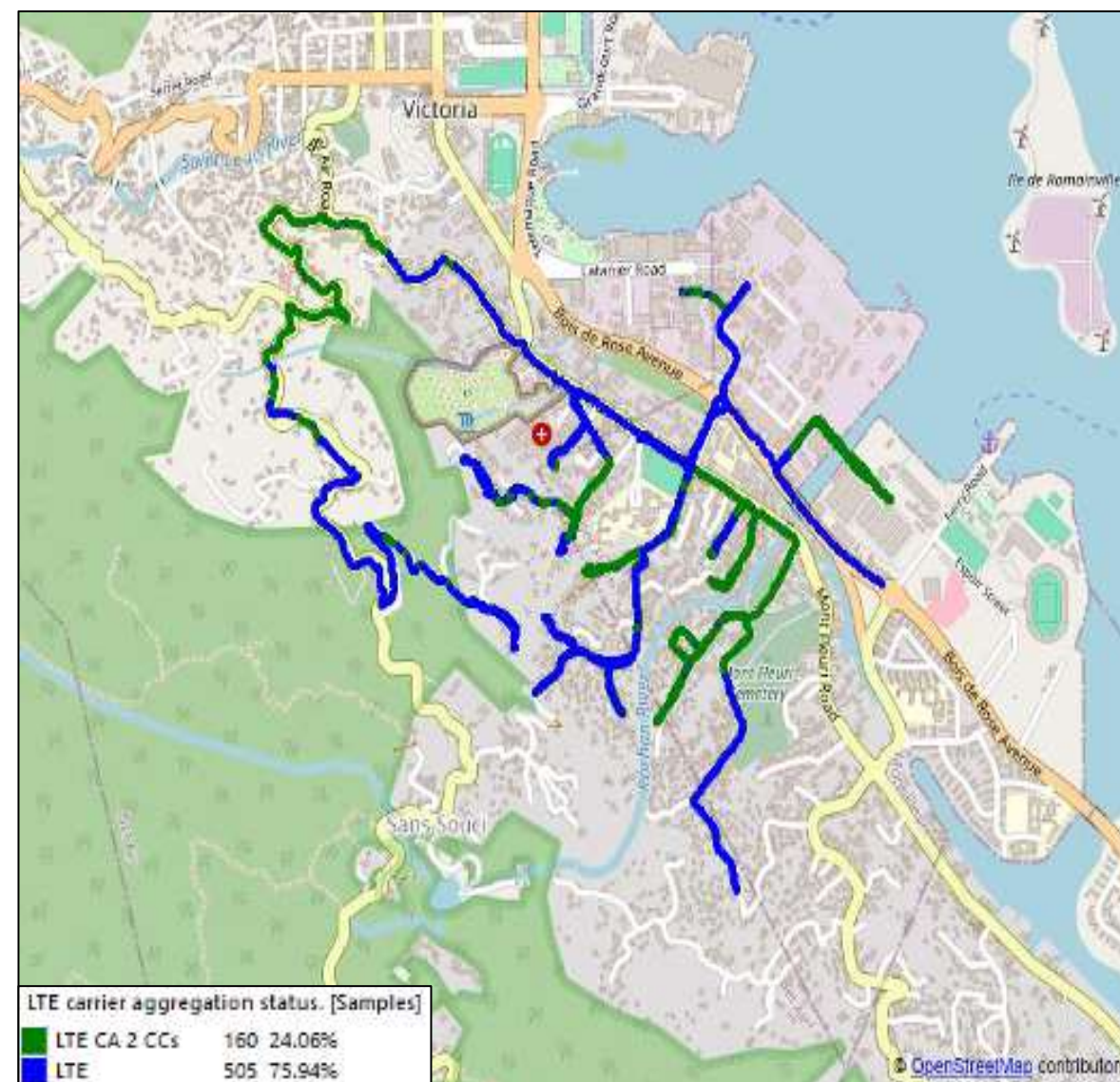
CWS Data 4G



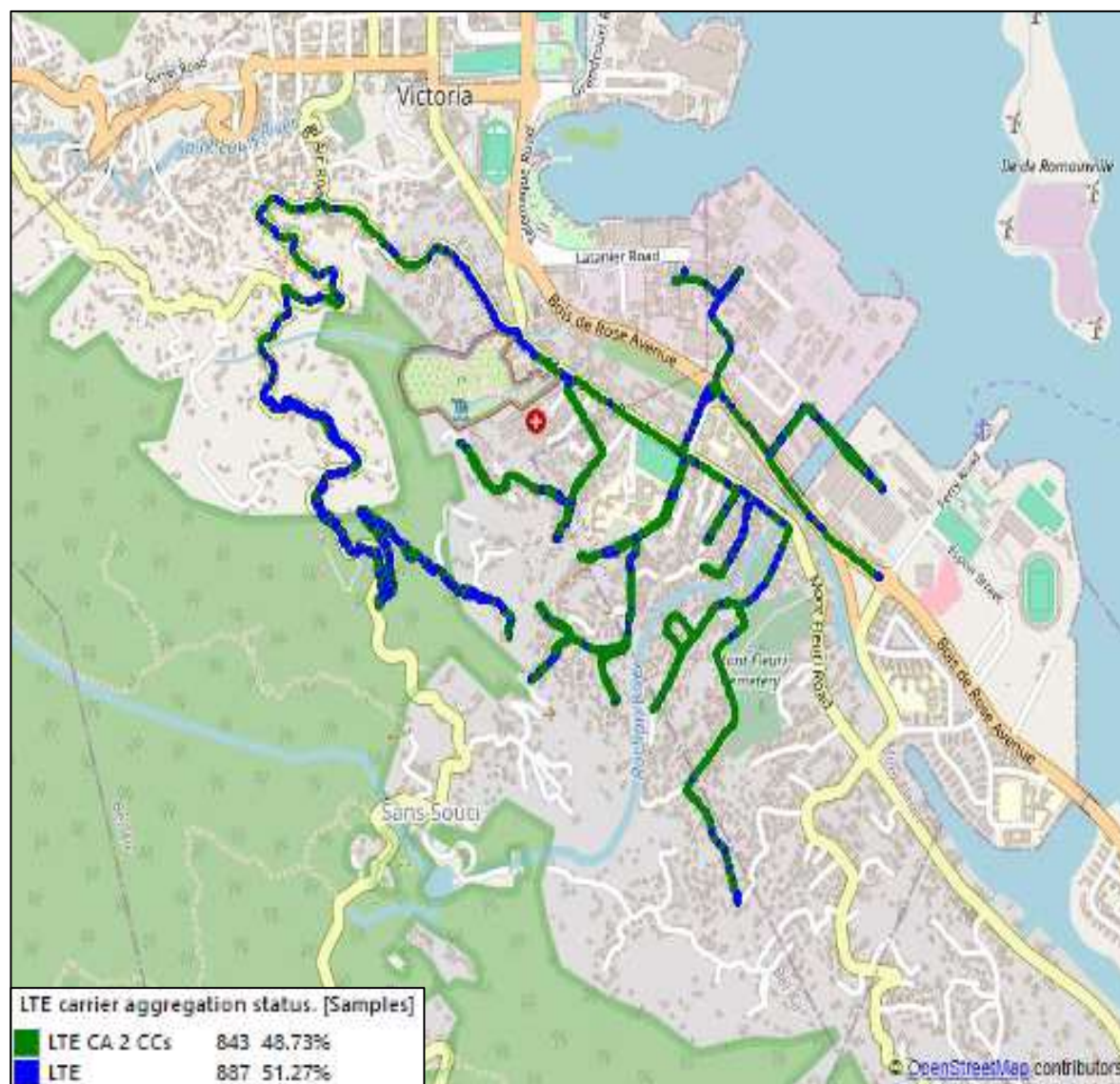
Airtel Data 4G



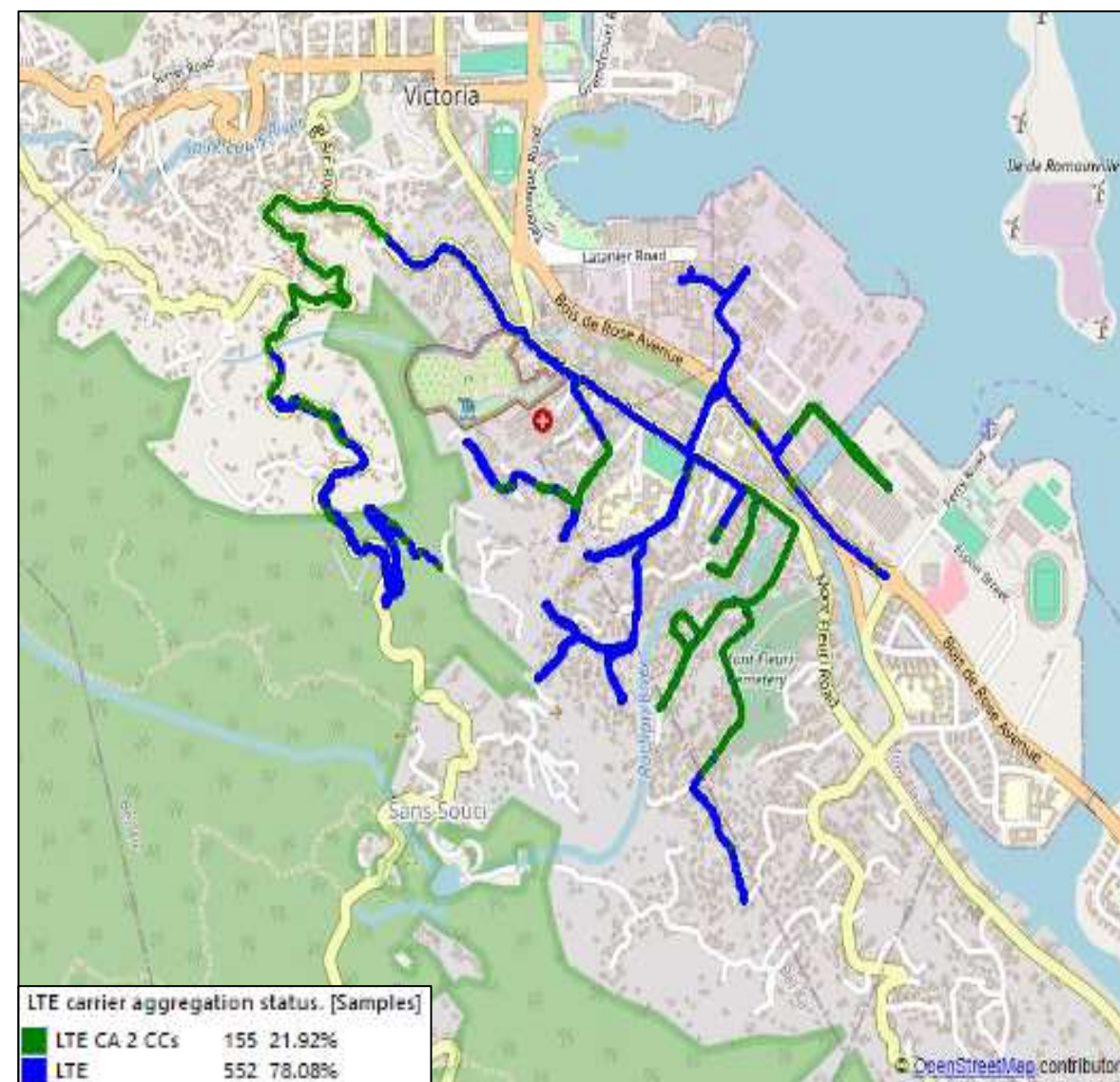
CWS Data 4G



Airtel Data 4G



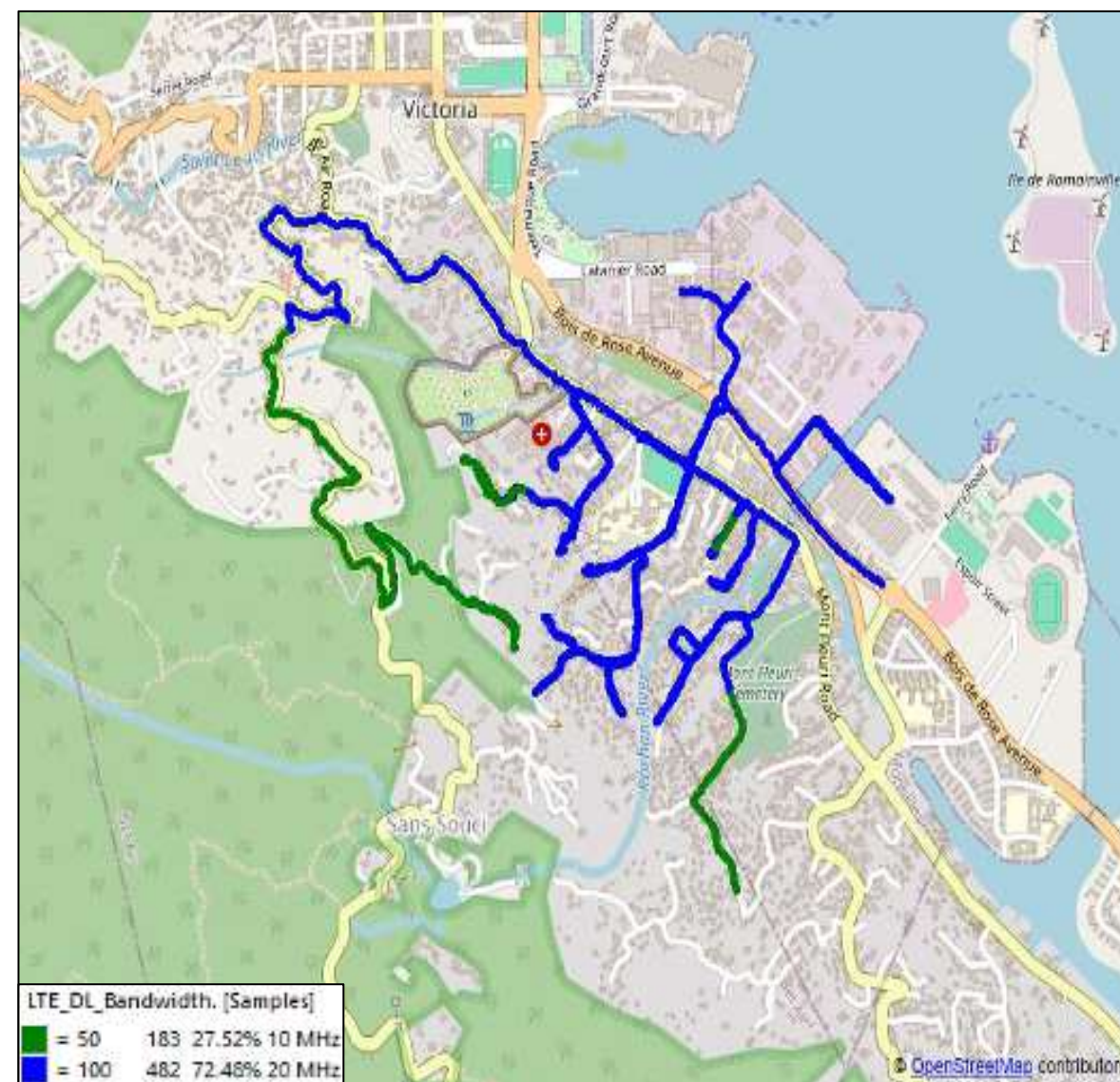
CWS Data 4G



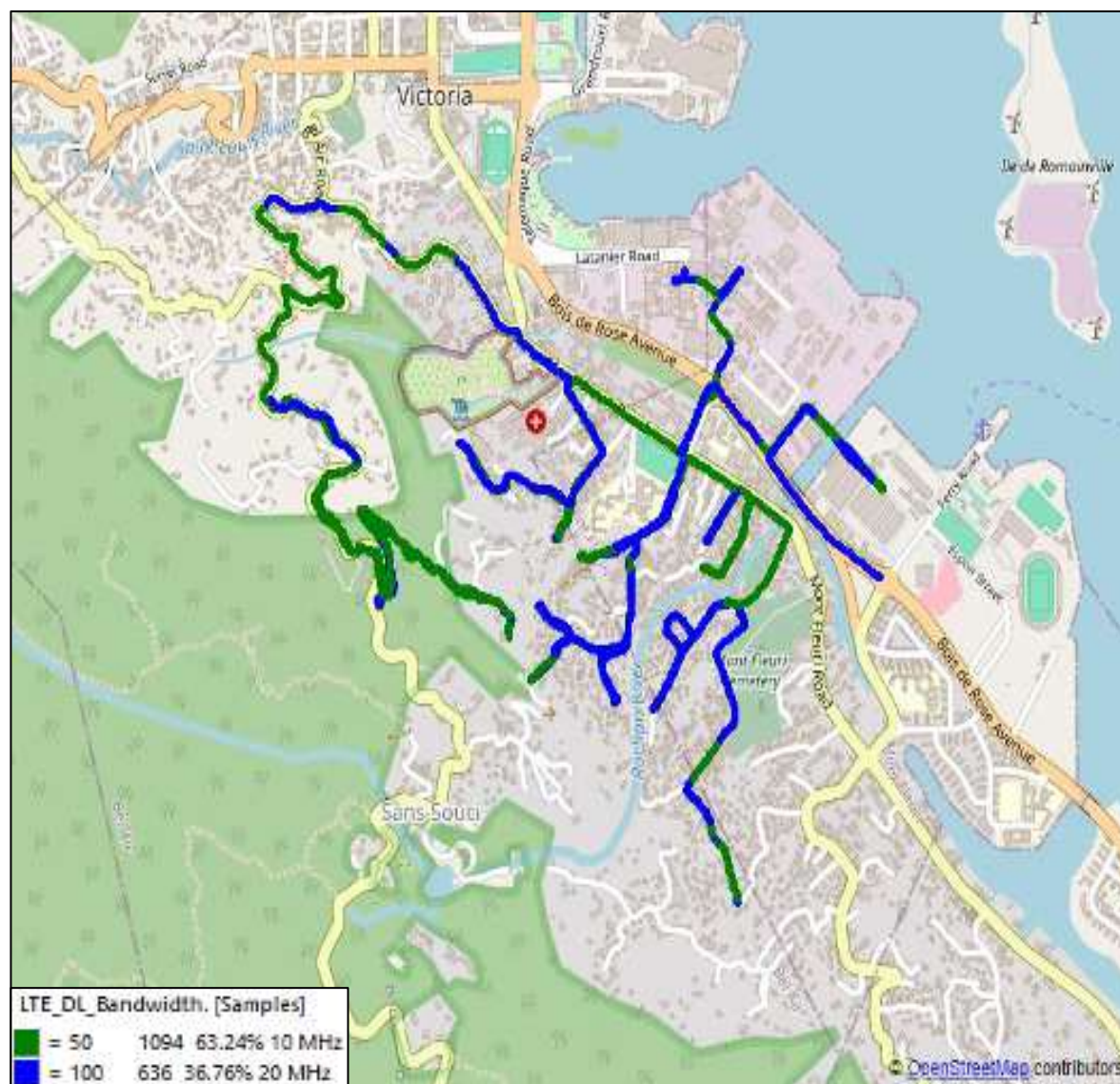
Airtel Data 4G



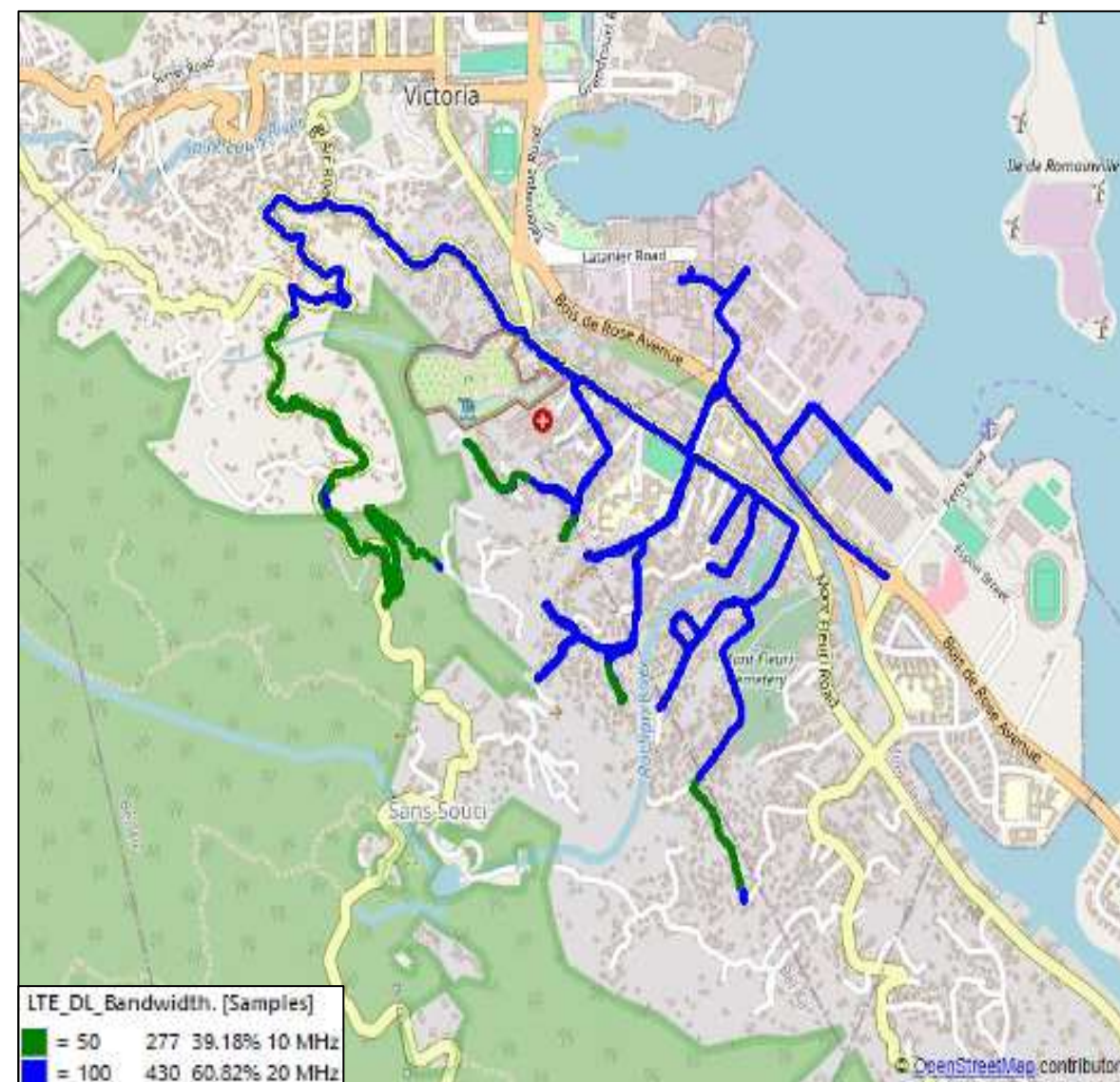
CWS Data 4G



Airtel Data 4G



CWS Data 4G



Negative Event Analysis

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

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

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

Call Drop cause from Airtel	Count
Total Call Drop	0

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

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

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best active Ec/No ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	14:56:20.688	UMTS FDD	900	3962.		14:55:26.252	3050	424	-14.1	14648.	RRCSM	UMTS FDD	Uplink	14:56:03.004	DCCH	INITIAL_DIRECT_TRANSFER
				3963.	-85.1	14:55:26.760	3050	424		14649.	L3SM	UMTS FDD	Uplink	14:56:03.004	DCCH	ROUTING_AREA_UPDATE_REQUEST
				3964.		14:55:26.760	3050	424	-9.3	14650.	RRCSM	UMTS FDD	Downlink	14:56:03.237	DCCH	MEASUREMENT_CONTROL
				3965.	-90.1	14:55:27.260	3050	424		14651.	RRCSM	UMTS FDD	Downlink	14:56:03.297	DCCH	MEASUREMENT_CONTROL
				3966.		14:55:27.260	3050	424	-11.2	14652.	RRCSM	UMTS FDD	Downlink	14:56:03.307	DCCH	MEASUREMENT_CONTROL
				3967.	-81.3	14:55:27.760	3050	424		14653.	RRCSM	UMTS FDD	Downlink	14:56:03.317	DCCH	MEASUREMENT_CONTROL
				3968.		14:55:27.760	3050	424	-8.4	14654.	RRCSM	UMTS FDD	Downlink	14:56:03.317	DCCH	MEASUREMENT_CONTROL
				3969.	-79.5	14:55:28.361	3050	424		14655.	RRCSM	UMTS FDD	Downlink	14:56:03.327	DCCH	MEASUREMENT_CONTROL
				3970.		14:55:28.361	3050	424	-6.4	14656.	RRCSM	UMTS FDD	Downlink	14:56:03.367	DCCH	DOWNLINK_DIRECT_TRANSFER
				3971.	-81.7	14:55:28.780	3050	424		14657.	L3SM	UMTS FDD	Downlink	14:56:03.367	DCCH	AUTHENTICATION_REQUEST
				3972.		14:55:28.780	3050	424	-9.9	14658.	RRCSM	UMTS FDD	Uplink	14:56:03.418	DCCH	MEASUREMENT_REPORT
				3973.	-79.2	14:55:29.382	3050	424		14659.	RRCSM	UMTS FDD	Uplink	14:56:03.496	DCCH	UPLINK_DIRECT_TRANSFER
				3974.		14:55:29.382	3050	424	-6.4	14660.	L3SM	UMTS FDD	Uplink	14:56:03.496	DCCH	AUTHENTICATION_RESPONSE
				3975.	-85.8	14:55:29.822	3050	424		14661.	RRCSM	UMTS FDD	Uplink	14:56:03.668	DCCH	MEASUREMENT_REPORT
				3976.		14:55:29.822	3050	424	-12.7	14662.	RRCSM	UMTS FDD	Downlink	14:56:03.737	DCCH	SECURITY_MODE_COMMAND
				3977.	-83.5	14:55:30.389	3050	424		14663.	RRCSM	UMTS FDD	Uplink	14:56:03.738	DCCH	SECURITY_MODE_COMPLETE
				3978.		14:55:30.389	3050	424	-8.7	14664.	RRCSM	UMTS FDD	Uplink	14:56:03.828	DCCH	UPLINK_DIRECT_TRANSFER
				3979.	-87.7	14:55:30.836	3050	461		14665.	L3SM	UMTS FDD	Uplink	14:56:03.828	DCCH	SETUP
				3980.		14:55:30.836	3050	461	-9.6	14666.	RRCSM	UMTS FDD	Downlink	14:56:03.837	DCCH	DOWNLINK_DIRECT_TRANSFER
				3981.	-81	14:56:02.723	3050	113		14667.	L3SM	UMTS FDD	Downlink	14:56:03.837	DCCH	IDENTITY_REQUEST
				3982.		14:56:02.723	3050	113	-7.9	14668.	RRCSM	UMTS FDD	Uplink	14:56:03.837	DCCH	UPLINK_DIRECT_TRANSFER
				3983.	-81	14:56:03.386	3050	113		14669.	L3SM	UMTS FDD	Uplink	14:56:03.837	DCCH	IDENTITY_RESPONSE
				3984.		14:56:03.386	3050	113	-10.2	14670.	RRCSM	UMTS FDD	Uplink	14:56:03.912	DCCH	MEASUREMENT_REPORT
				3985.	-81	14:56:03.958	3050	113		14671.	RRCSM	UMTS FDD	Downlink	14:56:03.967	DCCH	DOWNLINK_DIRECT_TRANSFER
				3986.		14:56:03.958	3050	113	-9.2	14672.	L3SM	UMTS FDD	Downlink	14:56:03.967	DCCH	CALL_PROCEEDING
				3987.	-81	14:56:04.455	3050	113		14673.	RRCSM	UMTS FDD	Downlink	14:56:04.037	DCCH	ACTIVE_SET_UPDATE
				3988.		14:56:04.455	3050	113	-6.6	14674.	RRCSM	UMTS FDD	Uplink	14:56:04.049	DCCH	ACTIVE_SET_UPDATE_COMPLETE
				3989.	-81	14:56:04.958	3050	113		14675.	RRCSM	UMTS FDD	Downlink	14:56:04.157	DCCH	MEASUREMENT_CONTROL
				3990.		14:56:04.958	3050	113	-10	14676.	RRCSM	UMTS FDD	Uplink	14:56:04.518	DCCH	MEASUREMENT_REPORT
				3991.	-81	14:56:05.390	3050	113		14677.	RRCSM	UMTS FDD	Uplink	14:56:04.631	DCCH	MEASUREMENT_REPORT
				3992.		14:56:05.390	3050	113	-8.5	14678.	RRCSM	UMTS FDD	Uplink	14:56:04.631	DCCH	MEASUREMENT_REPORT
				3993.	-81	14:56:05.931	3050	113		14679.	RRCSM	UMTS FDD	Uplink	14:56:08.091	DCCH	MEASUREMENT_REPORT
				3994.		14:56:05.931	3050	113	-7	14680.	RRCSM	UMTS FDD	Downlink	14:56:08.187	DCCH	ACTIVE_SET_UPDATE
				3995.	-78.3	14:56:06.458	3050	113		14681.	RRCSM	UMTS FDD	Uplink	14:56:08.219	DCCH	ACTIVE_SET_UPDATE_COMPLETE
				3996.		14:56:06.458	3050	113	-7.1	14682.	RRCSM	UMTS FDD	Downlink	14:56:08.317	DCCH	MEASUREMENT_CONTROL

Analysis:

- This call failure event occurred on short call at 14:56:20:688 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 113 and RF condition RSCP -81.0 dBm and Ec/No -9.20 dB are very poor.
- Need to check MT End.

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

	Time	Band (MHz)	Ch	PCI	RSRP	SNR	▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name
6400.	14:55:58.196					0.6		13619.	RRCSM	LTE FDD	Uplink	14:56:02.359	DCCH	MeasurementReport
6401.	14:55:58.711	1800	1300	52	-105.1			13620.	RRCSM	LTE FDD	Uplink	14:56:02.719	DCCH	MeasurementReport
6402.	14:55:58.711					-2.8		13621.	RRCSM	LTE FDD	Uplink	14:56:02.798	DCCH	MeasurementReport
6403.	14:55:59.216	1800	1300	52	-104.2			13622.	RRCSM	LTE FDD	Uplink	14:56:02.799	DCCH	MeasurementReport
6404.	14:55:59.216					-6.1		13623.	RRCSM	LTE FDD	Uplink	14:56:02.839	DCCH	MeasurementReport
6405.	14:55:59.736	1800	1300	52	-100.5			13624.	RRCSM	LTE FDD	Uplink	14:56:02.839	DCCH	MeasurementReport
6406.	14:55:59.736					-7.1		13625.	RRCSM	LTE FDD	Uplink	14:56:02.918	DCCH	MeasurementReport
6407.	14:56:00.266	1800	1300	52	-100.1			13626.	RRCSM	LTE FDD	Uplink	14:56:02.958	DCCH	MeasurementReport
6408.	14:56:00.266					-6.5		13627.	RRCSM	LTE FDD	Uplink	14:56:02.999	DCCH	MeasurementReport
6409.	14:56:00.768	1800	1300	52	-100.7			13628.	RRCSM	LTE FDD	Uplink	14:56:03.159	DCCH	MeasurementReport
6410.	14:56:00.768					-6		13629.	RRCSM	LTE FDD	Uplink	14:56:03.279	DCCH	MeasurementReport
6411.	14:56:01.290	1800	1300	52	-99.7			13630.	RRCSM	LTE FDD	Uplink	14:56:03.398	DCCH	MeasurementReport
6412.	14:56:01.290					-5.8		13631.	RRCSM	LTE FDD	Uplink	14:56:03.398	DCCH	MeasurementReport
6413.	14:56:01.785	1800	1300	52	-101.6			13632.	RRCSM	LTE FDD	Uplink	14:56:03.478	DCCH	MeasurementReport
6414.	14:56:01.785					-6.6		13633.	RRCSM	LTE FDD	Uplink	14:56:03.478	DCCH	MeasurementReport
6415.	14:56:02.286	1800	1300	52	-107.1			13634.	RRCSM	LTE FDD	Uplink	14:56:03.478	DCCH	MeasurementReport
6416.	14:56:02.286					-9.4		13635.	RRCSM	LTE FDD	Uplink	14:56:03.518	DCCH	MeasurementReport
6417.	14:56:02.809	1800	1300	52	-114.6			13636.	RRCSM	LTE FDD	Downlink	14:56:04.134	BCCH-BCH	MasterInformationBlock
6418.	14:56:02.809					-11		13637.	RRCSM	LTE FDD	Downlink	14:56:04.168	BCCH-SCH	SystemInformationBlockType1
6419.	14:56:03.305	1800	1300	52	-116.9			13638.	RRCSM	LTE FDD	Downlink	14:56:04.168	BCCH-SCH	SystemInformation - SIB2,SIB3
6420.	14:56:03.305					-10.9		13639.	RRCSM	LTE FDD	Uplink	14:56:04.180	CCCH	RRCCConnectionReestablishmentRequest
6421.	14:56:03.790	1800	1300	52	-117.2			13640.	RRCSM	LTE FDD	Downlink	14:56:04.828	BCCH-SCH	SystemInformationBlockType1
6422.	14:56:03.790					-10.8		13641.	RRCSM	LTE FDD	Downlink	14:56:05.024	CCCH	RRCCConnectionReestablishmentReject
6423.	14:56:04.326	800	6400	63	-90.8			13642.	L3SM	LTE FDD	Uplink	14:56:05.106		TRACKING_AREA_UPDATE_REQUEST
6424.	14:56:05.255	800	6400	63	-86.7			13643.	RRCSM	LTE FDD	Uplink	14:56:05.107	CCCH	RRCCConnectionRequest
6425.	14:56:05.255					2.3		13644.	RRCSM	LTE FDD	Downlink	14:56:05.167	CCCH	RRCCConnectionSetup
6426.	14:56:06.193	800	6400	63	-84.8			13645.	RRCSM	LTE FDD	Uplink	14:56:05.171	DCCH	RRCCConnectionSetupComplete
6427.	14:56:06.193					3.4		13646.	RRCSM	LTE FDD	Downlink	14:56:05.218	DCCH	DLInformationTransfer
6428.	14:56:06.458	800	6400	63	-84.8			13647.	RRCSM	LTE FDD	Downlink	14:56:05.218	DCCH	RRCCConnectionRelease

Analysis:

- On MT End, During the setup fail, UE was latched with PCI 52 and RF condition RSRP -114.6 dBm is poor but SINR -9.4 dB was poor.
- As per the analysis call failure happened due to Poor coverage of the network.

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

	Time	System	Serving band		I. best active RSCP	Time	Ch	SC	I. best active		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	15:24:45.776	UMTS FDD	2100	Dro	5920.	15:24:32.913	10715	111	-12.7		17768.	RRCSM	UMTS FDD	Downlink	15:24:32.280	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_2
2.	15:25:29.235	UMTS FDD	2100	Dro	5921.	-101.6	15:24:33.426	10715	111		17769.	RRCSM	UMTS FDD	Downlink	15:24:32.280	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
3.	15:26:48.052	UMTS FDD	2100	Call	5922.		15:24:33.426	10715	111	-10.1	17770.	RRCSM	UMTS FDD	Downlink	15:24:32.343	CCCH	RRC_CONNECTION_SETUP
					5923.	-101.3	15:24:33.923	10715	111		17771.	RRCSM	UMTS FDD	Downlink	15:24:32.413	CCCH	RRC_CONNECTION_SETUP
					5924.		15:24:33.923	10715	111	-9.2	17772.	RRCSM	UMTS FDD	Uplink	15:24:32.469	DCCH	RRC_CONNECTION_SETUP_COMPLETE
					5925.	-102	15:24:34.456	10715	111		17773.	RRCSM	UMTS FDD	Uplink	15:24:32.469	DCCH	INITIAL_DIRECT_TRANSFER
					5926.		15:24:34.456	10715	111	-9.5	17774.	L3SM	UMTS FDD	Uplink	15:24:32.469	DCCH	CM_SERVICE_REQUEST
					5927.	-102	15:24:34.923	10715	111		17775.	RRCSM	UMTS FDD	Uplink	15:24:32.469	DCCH	INITIAL_DIRECT_TRANSFER
					5928.		15:24:34.923	10715	111	-9.5	17776.	L3SM	UMTS FDD	Uplink	15:24:32.469	DCCH	ROUTING_AREA_UPDATE_REQUEST
					5929.	-103.5	15:24:35.538	10715	111		17777.	RRCSM	UMTS FDD	Downlink	15:24:32.722	DCCH	MEASUREMENT_CONTROL
					5930.		15:24:35.538	10715	111	-10.7	17778.	RRCSM	UMTS FDD	Downlink	15:24:32.802	DCCH	SECURITY_MODE_COMMAND
					5931.	-102.2	15:24:35.932	10715	111		17779.	RRCSM	UMTS FDD	Uplink	15:24:32.803	DCCH	SECURITY_MODE_COMPLETE
					5932.		15:24:35.932	10715	111	-9.3	17780.	RRCSM	UMTS FDD	Uplink	15:24:32.883	DCCH	UPLINK_DIRECT_TRANSFER
					5933.	-104	15:24:36.423	10715	111		17781.	L3SM	UMTS FDD	Uplink	15:24:32.883	DCCH	SETUP
					5934.		15:24:36.423	10715	111	-12.9	17782.	RRCSM	UMTS FDD	Downlink	15:24:32.912	DCCH	DOWNLINK_DIRECT_TRANSFER
					5935.	-101.5	15:24:36.923	10715	111		17783.	L3SM	UMTS FDD	Downlink	15:24:32.912	DCCH	TMSI_REALLOCATION_COMMAND
					5936.		15:24:36.923	10715	111	-10.4	17784.	RRCSM	UMTS FDD	Uplink	15:24:32.913	DCCH	UPLINK_DIRECT_TRANSFER
					5937.	-100.9	15:24:37.465	10715	111		17785.	L3SM	UMTS FDD	Uplink	15:24:32.913	DCCH	TMSI_REALLOCATION_COMPLETE
					5938.		15:24:37.465	10715	111	-9.1	17786.	RRCSM	UMTS FDD	Downlink	15:24:33.042	DCCH	DOWNLINK_DIRECT_TRANSFER
					5939.	-106.5	15:24:38.146	10715	111		17787.	L3SM	UMTS FDD	Downlink	15:24:33.042	DCCH	CALL_PROCEEDING
					5940.		15:24:38.146	10715	111	-14.5	17788.	RRCSM	UMTS FDD	Uplink	15:24:35.798	DCCH	MEASUREMENT_REPORT
					5941.	-98.9	15:24:38.583	10715	111		17789.	RRCSM	UMTS FDD	Uplink	15:24:37.647	DCCH	MEASUREMENT_REPORT
					5942.		15:24:38.583	10715	111	-8.5	17790.	RRCSM	UMTS FDD	Downlink	15:24:37.802	DCCH	DOWNLINK_DIRECT_TRANSFER
					5943.	-100.2	15:24:39.322	10715	111		17791.	L3SM	UMTS FDD	Downlink	15:24:37.802	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
					5944.		15:24:39.322	10715	111	-9.2	17792.	RRCSM	UMTS FDD	Uplink	15:24:37.841	DCCH	UPLINK_DIRECT_TRANSFER
					5945.	-101.7	15:24:39.497	10715	111		17793.	L3SM	UMTS FDD	Uplink	15:24:37.841	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
					5946.		15:24:39.497	10715	111	-12.4	17794.	RRCSM	UMTS FDD	Downlink	15:24:38.082	DCCH	SECURITY_MODE_COMMAND
					5947.	-102.2	15:24:40.131	10715	111		17795.	RRCSM	UMTS FDD	Uplink	15:24:38.083	DCCH	SECURITY_MODE_COMPLETE
					5948.		15:24:40.131	10715	111	-16.3	17796.	RRCSM	UMTS FDD	Downlink	15:24:38.412	DCCH	DOWNLINK_DIRECT_TRANSFER
					5949.	-89.9	15:24:40.574	10715	111		17797.	L3SM	UMTS FDD	Downlink	15:24:38.412	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					5950.		15:24:40.574	10715	111	-6.2	17798.	RRCSM	UMTS FDD	Uplink	15:24:38.414	DCCH	UPLINK_DIRECT_TRANSFER
					5951.	-92.9	15:24:41.350	10715	93		17799.	L3SM	UMTS FDD	Uplink	15:24:38.414	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					5952.		15:24:41.350	10715	93	-6.9	17800.	RRCSM	UMTS FDD	Uplink	15:24:39.714	DCCH	MEASUREMENT_REPORT
					5953.	-94.9	15:24:41.922	10715	93		17801.	RRCSM	UMTS FDD	Uplink	15:24:40.295	DCCH	MEASUREMENT_REPORT
					5954.		15:24:41.922	10715	93	-9.8	17802.	RRCSM	UMTS FDD	Downlink	15:24:40.422	DCCH	ACTIVE_SET_UPDATE
					5955.	-96.9	15:24:42.421	10715	93		17803.	RRCSM	UMTS FDD	Uplink	15:24:40.434	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					5956.		15:24:42.421	10715	93	-9.1	17804.	RRCSM	UMTS FDD	Downlink	15:24:40.552	DCCH	MEASUREMENT_CONTROL

Analysis:

- This call failure event occurred on short call at 15:24:45:776 time when UE was latched with 3G network.
- After sending the 'CM Service Request' message to the core network, the core network responded with a 'Call Proceeding' message. However, the call was disconnected with Cause (27): Destination out of order.
- During the failure, UE was latched with PSC 111 and RF condition RSCP -101.9 dBm poor but Ec/No -10.4 dB are very good.
- Call failed due to poor network coverage at the MO site. Insufficient signal strength in the area is causing call failures.

Downlink:

DISCONNECT 3GPP TS 24.008 ver 15.4.0 Rel 15 (9.3.7.1)

M Protocol Discriminator (hex data: 3)
(0x3) Call control (call related SS message)

M Transaction Identifier (hex data: 8)
TI flag: 1 (the message is sent to the side that originates the TI)
TI value: 0

M Message Type (hex data: 25)
Message number: 37

M Cause (hex data: 02e09b)
Coding standard: Standard defined for the GSM PLMNs
Location: user

Cause (27): Destination out of order

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

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best active RSCP		System	Transf. dir.	Time	Subchannel	Message name
1.	15:24:45.776	UMTS FDD	2100	Dro	5995. -97	15:25:22.289	10690	122		18103.	UMTS FDD	Downlink	15:25:26.538	DCCH	DOWNLINK_DIRECT_TRANSFER
2.	15:25:29.235	UMTS FDD	2100	Dro	5996.	15:25:22.289	10690	122	-11.7	18104.	UMTS FDD	Downlink	15:25:26.538	DCCH	MODIFY_PDP_CONTEXT_REQUEST
3.	15:26:48.052	UMTS FDD	2100	Call	5997. -104.3	15:25:22.786	10690	168		18105.	UMTS FDD	Uplink	15:25:26.540	DCCH	UPLINK_DIRECT_TRANSFER
					5998.	15:25:22.786	10690	168	-15.9	18106.	UMTS FDD	Uplink	15:25:26.540	DCCH	MODIFY_PDP_CONTEXT_ACCEPT
					5999. -102	15:25:23.289	10690	168		18107.	UMTS FDD	Uplink	15:25:27.187	DCCH	MEASUREMENT_REPORT
					6000.	15:25:23.289	10690	168	-13.4	18108.	UMTS FDD	Downlink	15:25:27.298	DCCH	ACTIVE_SET_UPDATE
					6001. -101	15:25:23.706	10690	122		18109.	UMTS FDD	Uplink	15:25:27.331	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					6002.	15:25:23.706	10690	122	-10.5	18110.	UMTS FDD	Uplink	15:25:27.605	DCCH	MEASUREMENT_REPORT
					6003. -97.1	15:25:24.289	10690	122		18111.	UMTS FDD	Uplink	15:25:27.666	DCCH	MEASUREMENT_REPORT
					6004.	15:25:24.289	10690	168	-11.1	18112.	UMTS FDD	Uplink	15:25:27.706	DCCH	MEASUREMENT_REPORT
					6005. -104.1	15:25:24.789	10690	168		18113.	UMTS FDD	Uplink	15:25:27.970	DCCH	MEASUREMENT_REPORT
					6006.	15:25:24.789	10690	168	-14.9	18114.	UMTS FDD	Downlink	15:25:28.258	DCCH	RADIO_BEARER_SETUP
					6007. -99.6	15:25:25.353	10690	122		18115.	UMTS FDD	Uplink	15:25:28.263	DCCH	MEASUREMENT_REPORT
					6008.	15:25:25.353	10690	122	-10.6	18116.	UMTS FDD	Downlink	15:25:28.338	DCCH	MEASUREMENT_CONTROL
					6009. -97.5	15:25:25.786	10690	122		18117.	UMTS FDD	Uplink	15:25:28.534	DCCH	MEASUREMENT_REPORT
					6010.	15:25:25.786	10690	122	-10.1	18118.	UMTS FDD	Uplink	15:25:28.709	DCCH	RADIO_BEARER_SETUP_COMPLETE
					6011. -100.2	15:25:26.458	10690	122		18119.	UMTS FDD	Uplink	15:25:28.745	DCCH	MEASUREMENT_REPORT
					6012.	15:25:26.458	10690	122	-12.1	18120.	UMTS FDD	Downlink	15:25:28.938	DCCH	MEASUREMENT_CONTROL
					6013. -96.4	15:25:26.833	10690	122		18121.	UMTS FDD	Downlink	15:25:28.939	DCCH	MEASUREMENT_CONTROL
					6014.	15:25:26.833	10690	122	-11.6	18122.	UMTS FDD	Downlink	15:25:28.979	DCCH	MEASUREMENT_CONTROL
					6015. -101.2	15:25:27.427	10690	168		18123.	UMTS FDD	Downlink	15:25:29.099	DCCH	DOWNLINK_DIRECT_TRANSFER
					6016.	15:25:27.427	10690	168	-12.5	18124.	UMTS FDD	Downlink	15:25:29.099	DCCH	DISCONNECT
					6017. -106.2	15:25:27.970	10690	168		18125.	UMTS FDD	Downlink	15:25:29.219	DCCH	MEASUREMENT_CONTROL
					6018.	15:25:27.970	10690	168	-17.4	18126.	UMTS FDD	Uplink	15:25:29.235	DCCH	UPLINK_DIRECT_TRANSFER
					6019. -102.7	15:25:28.548	10690	122		18127.	UMTS FDD	Uplink	15:25:29.235	DCCH	RELEASE
					6020.	15:25:28.548	10690	122	-14.2	18128.	UMTS FDD	Uplink	15:25:29.285	DCCH	MEASUREMENT_REPORT
					6021. -105.6	15:25:29.064	10690	122		18129.	UMTS FDD	Uplink	15:25:29.286	DCCH	MEASUREMENT_REPORT
					6022.	15:25:29.064	10690	122	-14.6	18130.	UMTS FDD	Downlink	15:25:29.419	DCCH	DOWNLINK_DIRECT_TRANSFER
					6023. -102.5	15:25:29.589	10690	122		18131.	UMTS FDD	Downlink	15:25:29.419	DCCH	RELEASE_COMPLETE
					6024.	15:25:29.589	10690	122	-11.5	18132.	UMTS FDD	Downlink	15:25:29.658	DCCH	RADIO_BEARER_RELEASE
					6025. -107.4	15:25:30.129	10690	122		18133.	UMTS FDD	Uplink	15:25:29.695	DCCH	MEASUREMENT_REPORT
					6026.	15:25:30.129	10690	122	-14.1	18134.	UMTS FDD	Uplink	15:25:30.388	DCCH	RADIO_BEARER_RELEASE_COMPLETE
					6027. -99.1	15:25:30.618	10690	122		18135.	UMTS FDD	Downlink	15:25:30.658	DCCH	MEASUREMENT_CONTROL
					6028.	15:25:30.618	10690	122	-9.2	18136.	UMTS FDD	Downlink	15:25:30.659	DCCH	SIGNALING_CONNECTION_RELEASE

Analysis:

- This call failure event occurred on short call at 15:25:29:235 time when UE was latched with 3G network.
- After sending the 'CM Service Request' message to the core network, the core network responded with a 'Call Proceeding' message. However, the call was disconnected with Cause (27): Destination out of order.
- During the failure, UE was latched with PSC 122 and RF condition RSCP -105.6 dBm poor but Ec/No -14.6 dB are very poor.
- Call failed due to poor network coverage at the MO site. Insufficient signal strength in the area is causing call failures.

Downlink
DISCONNECT 3GPP TS 24.008 ver 15.4.0 Rel 15 (9.3.7.1)

M Protocol Discriminator (hex data: 3)
(0x3) Call control (call related SS message)

M Transaction Identifier (hex data: 8)
TI flag: 1 (the message is sent to the side that originates the TI)
TI value: 0

M Message Type (hex data: 25)
Message number: 37

M Cause (hex data: 02e000)
Coding standard: Standard defined for the GSM PLMNs
Location: user
Cause (27): Destination out of order

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

	Time	System	Serving band		I. best active RSCP	Time	Ch	SC	I. best active		System	Transf. dir.	Time	Subchannel	Message name	Msg. ty
1.	15:24:45.776	UMTS FDD	2100	Dro	6091. -98.5	15:26:14.532	10690	202		18491.	UMTS FDD	Downlink	15:26:45.091	CCCH	RRC_CONNECTION_SETUP	
2.	15:25:29.235	UMTS FDD	2100	Dro	6092.	15:26:14.532	10690	202	-14.1	18492.	UMTS FDD	Uplink	15:26:45.144	DCCH	RRC_CONNECTION_SETUP_COMPLETE	
3.	15:26:48.052	UMTS FDD	2100	Cal	6093. -93.7	15:26:14.934	10690	202		18493.	UMTS FDD	Uplink	15:26:45.144	DCCH	INITIAL_DIRECT_TRANSFER	
					6094.	15:26:14.934	10690	202	-10.2	18494.	UMTS FDD	Uplink	15:26:45.144	DCCH	CM_SERVICE_REQUEST	
					6095. -89.9	15:26:44.925	10690	385		18495.	UMTS FDD	Uplink	15:26:45.144	DCCH	INITIAL_DIRECT_TRANSFER	
					6096.	15:26:44.925	10690	385	-8.4	18496.	UMTS FDD	Uplink	15:26:45.144	DCCH	ROUTING_AREA_UPDATE_REQUEST	
					6097. -87.7	15:26:45.598	10690	385		18497.	UMTS FDD	Downlink	15:26:45.447	DCCH	MEASUREMENT_CONTROL	
					6098.	15:26:45.598	10690	385	-6.5	18498.	UMTS FDD	Downlink	15:26:45.457	DCCH	SECURITY_MODE_COMMAND	
					6099. -87.8	15:26:46.150	10690	385		18499.	UMTS FDD	Uplink	15:26:45.458	DCCH	SECURITY_MODE_COMPLETE	
					6100.	15:26:46.150	10690	385	-7.5	18500.	UMTS FDD	Uplink	15:26:45.538	DCCH	UPLINK_DIRECT_TRANSFER	
					6101. -87.4	15:26:46.598	10690	385		18501.	UMTS FDD	Uplink	15:26:45.538	DCCH	SETUP	
					6102.	15:26:46.598	10690	385	-8	18502.	UMTS FDD	Downlink	15:26:45.567	DCCH	DOWNLINK_DIRECT_TRANSFER	
					6103. -88.6	15:26:47.098	10690	385		18503.	UMTS FDD	Downlink	15:26:45.567	DCCH	TMSI_REALLOCATION_COMMAND	
					6104.	15:26:47.098	10690	385	-7.9	18504.	UMTS FDD	Uplink	15:26:45.568	DCCH	UPLINK_DIRECT_TRANSFER	
					6105. -91.2	15:26:47.666	10690	385		18505.	UMTS FDD	Uplink	15:26:45.568	DCCH	TMSI_REALLOCATION_COMPLETE	
					6106.	15:26:47.666	10690	385	-9.2	18506.	UMTS FDD	Downlink	15:26:45.697	DCCH	DOWNLINK_DIRECT_TRANSFER	
					6107. -89.1	15:26:48.140	10690	385		18507.	UMTS FDD	Downlink	15:26:45.697	DCCH	CALL_PROCEEDING	
					6108.	15:26:48.140	10690	385	-9.1	18508.	UMTS FDD	Uplink	15:26:48.052	DCCH	UPLINK_DIRECT_TRANSFER	
					6109. -85.2	15:26:48.598	10690	385		18509.	UMTS FDD	Uplink	15:26:48.052	DCCH	DISCONNECT	
					6110.	15:26:48.598	10690	385	-7.7	18510.	UMTS FDD	Downlink	15:26:48.137	DCCH	DOWNLINK_DIRECT_TRANSFER	
					6111. -85.3	15:26:49.129	10690	385		18511.	UMTS FDD	Downlink	15:26:48.137	DCCH	RELEASE	
					6112.	15:26:49.129	10690	385	-6.8	18512.	UMTS FDD	Uplink	15:26:48.138	DCCH	UPLINK_DIRECT_TRANSFER	
					6113. -82.1	15:26:49.598	10690	385		18513.	UMTS FDD	Uplink	15:26:48.138	DCCH	RELEASE_COMPLETE	
					6114.	15:26:49.598	10690	385	-8	18514.	UMTS FDD	Downlink	15:26:48.207	DCCH	DOWNLINK_DIRECT_TRANSFER	
					6115. -87.2	15:26:50.109	10690	385		18515.	UMTS FDD	Downlink	15:26:48.207	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST	
					6116.	15:26:50.109	10690	385	-7.1	18516.	UMTS FDD	Uplink	15:26:48.245	DCCH	UPLINK_DIRECT_TRANSFER	
					6117. -87.3	15:26:50.749	10690	385		18517.	UMTS FDD	Uplink	15:26:48.245	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE	
					6118.	15:26:50.749	10690	385	-7.4	18518.	UMTS FDD	Downlink	15:26:48.287	DCCH	SIGNALLING_CONNECTION_RELEASE	
					6119. -91.1	15:26:51.420	10690	385		18519.	UMTS FDD	Uplink	15:26:48.288	DCCH	INITIAL_DIRECT_TRANSFER	
					6120.	15:26:51.420	10690	385	-9.5	18520.	UMTS FDD	Uplink	15:26:48.288	DCCH	LOCATION_UPDATING_REQUEST	
					6121. -91.5	15:26:51.629	10690	385		18521.	UMTS FDD	Downlink	15:26:48.427	DCCH	DOWNLINK_DIRECT_TRANSFER	
					6122.	15:26:51.629	10690	385	-11.5	18522.	UMTS FDD	Downlink	15:26:48.427	DCCH	IDENTITY_REQUEST	
					6123. -87.6	15:26:52.353	10690	385		18523.	UMTS FDD	Uplink	15:26:48.428	DCCH	UPLINK_DIRECT_TRANSFER	
					6124.	15:26:52.353	10690	385	-8.1	18524.	UMTS FDD	Uplink	15:26:48.428	DCCH	IDENTITY_RESPONSE	
					6125. -86.8	15:26:52.849	10690	385		18525.	UMTS FDD	Downlink	15:26:48.507	DCCH	SECURITY_MODE_COMMAND	
					6126.	15:26:52.849	10690	385	-7.1	18526.	UMTS FDD	Uplink	15:26:48.508	DCCH	SECURITY_MODE_COMPLETE	
					6127. -82	15:26:53.425	10690	385		18527.	UMTS FDD	Downlink	15:26:48.597	DCCH	DOWNLINK_DIRECT_TRANSFER	

Analysis:

- This call failure event occurred on short short call at 15:26:48:052 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 385 and RF condition RSCP -91.2 dBm good but Ec/No -9.2 dB are very poor.
- Need to check MT End.

Phase-1 Call Drop Analysis 1 From MS9 Airtel MO

	Time	System	Serving band		Time	RxLev sub	ARFCN	LAC	RAC	RXQ sub			System	Transf. dir.	Time	Subchannel	Message name	
1.	15:22:59.926	GSM	900	4456.	15:22:27.376	-93	25	1					12397.	GSM	Downlink	15:22:25.943	SACCH	SYSTEM_INFORMATION_TYPE_5TER
2.	15:24:44.032	UMTS FDD	2100	4457.	15:22:27.430					6			12398.	GSM	Uplink	15:22:25.990	SACCH	MEASUREMENT_REPORT
				4458.	15:22:27.854	-94	25	1					12399.	GSM	Downlink	15:22:26.423	SACCH	SYSTEM_INFORMATION_TYPE_6
				4459.	15:22:28.390	-94	25	1					12400.	GSM	Uplink	15:22:26.470	SACCH	MEASUREMENT_REPORT
				4460.	15:22:28.390					7			12401.	GSM	Downlink	15:22:26.903	SACCH	SYSTEM_INFORMATION_TYPE_5
				4461.	15:22:28.870					6			12402.	GSM	Uplink	15:22:26.950	SACCH	MEASUREMENT_REPORT
				4462.	15:22:29.350					5			12403.	GSM	Downlink	15:22:27.383	SACCH	SYSTEM_INFORMATION_TYPE_5TER
				4463.	15:22:29.373	-95	25	1					12404.	GSM	Uplink	15:22:27.430	SACCH	MEASUREMENT_REPORT
				4464.	15:22:29.830					6			12405.	GSM	Downlink	15:22:27.863	SACCH	SYSTEM_INFORMATION_TYPE_6
				4465.	15:22:29.931	-94	25	1					12406.	GSM	Uplink	15:22:27.910	SACCH	MEASUREMENT_REPORT
				4466.	15:22:30.310					7			12407.	GSM	Downlink	15:22:28.343	SACCH	SYSTEM_INFORMATION_TYPE_5
				4467.	15:22:30.337	-93	25	1					12408.	GSM	Uplink	15:22:28.390	SACCH	MEASUREMENT_REPORT
				4468.	15:22:30.854	-95	25	1					12409.	GSM	Downlink	15:22:28.823	SACCH	SYSTEM_INFORMATION_TYPE_5TER
				4469.	15:22:31.394	-96	25	1					12410.	GSM	Uplink	15:22:28.870	SACCH	MEASUREMENT_REPORT
				4470.	15:22:31.750	-97	25	1					12411.	GSM	Downlink	15:22:29.303	SACCH	SYSTEM_INFORMATION_TYPE_6
				4471.	15:22:32.230					6			12412.	GSM	Uplink	15:22:29.350	SACCH	MEASUREMENT_REPORT
				4472.	15:22:32.368	-96	25	1					12413.	GSM	Downlink	15:22:29.783	SACCH	SYSTEM_INFORMATION_TYPE_5
				4473.	15:22:32.710					7			12414.	GSM	Uplink	15:22:29.830	SACCH	MEASUREMENT_REPORT
				4474.	15:22:32.834	-94	25	1					12415.	GSM	Downlink	15:22:30.263	SACCH	SYSTEM_INFORMATION_TYPE_5TER
				4475.	15:22:33.554	-96	25	1					12416.	GSM	Uplink	15:22:30.310	SACCH	MEASUREMENT_REPORT
				4476.	15:22:33.974	-97	25	1					12417.	GSM	Downlink	15:22:30.743	SACCH	SYSTEM_INFORMATION_TYPE_6
				4477.	15:22:34.616	-97	25	1					12418.	GSM	Uplink	15:22:30.790	SACCH	MEASUREMENT_REPORT
				4478.	15:22:35.110	-94	25	1					12419.	GSM	Uplink	15:22:31.270	SACCH	MEASUREMENT_REPORT
				4479.	15:22:35.590	-97	25	1					12420.	GSM	Uplink	15:22:31.750	SACCH	MEASUREMENT_REPORT
				4480.	15:22:36.116	-98	25	1					12421.	GSM	Downlink	15:22:32.183	SACCH	SYSTEM_INFORMATION_TYPE_6
				4481.	15:22:36.596	-97	25	1					12422.	GSM	Uplink	15:22:32.230	SACCH	MEASUREMENT_REPORT
				4482.	15:22:37.034	-96	25	1					12423.	GSM	Downlink	15:22:32.663	SACCH	SYSTEM_INFORMATION_TYPE_5
				4483.	15:22:37.518	-95	25	1					12424.	GSM	Uplink	15:22:32.710	SACCH	MEASUREMENT_REPORT
				4484.	15:22:37.994	-97	25	1					12425.	GSM	Uplink	15:22:33.190	SACCH	MEASUREMENT_REPORT
				4485.	15:22:38.470	-96	25	1					12426.	GSM	Uplink	15:22:33.670	SACCH	MEASUREMENT_REPORT
				4486.	15:22:39.374	-98	25	1					12427.	GSM	Downlink	15:22:34.103	SACCH	SYSTEM_INFORMATION_TYPE_5
				4487.	15:22:39.797	-94	25	1					12428.	GSM	Uplink	15:22:34.150	SACCH	MEASUREMENT_REPORT
				4488.	15:22:40.389	-97	25	1					12429.	GSM	Downlink	15:22:34.583	SACCH	SYSTEM_INFORMATION_TYPE_5TER
				4489.	15:22:40.870	-97	25	1					12430.	GSM	Uplink	15:22:34.630	SACCH	MEASUREMENT_REPORT
				4490.	15:22:41.349	-97	25	1					12431.	GSM	Uplink	15:22:35.110	SACCH	MEASUREMENT_REPORT
				4491.	15:22:41.830	-97	25	1					12432.	GSM	Uplink	15:22:35.590	SACCH	MEASUREMENT_REPORT

Analysis:

- This call drop event occurred on long call at 15:22:59:926 time when UE was latched with 2G network.
- After getting Alerting message at 15:21:20:248 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 failure event occurred due to poor quality in the network.

Phase-1 Call Drop Analysis 2 From MS9 Airtel MO

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best active Ec/NO		Time	Subchannel	Message name	
1.	15:22:59.926	GSM	900	7100.		15:24:39.205	10690	168	-12		12889.	15:24:28.031	DCCH	MEASUREMENT_CONTROL
2.	15:24:44.032	UMTS FDD	2100	7101.	-100.5	15:24:39.721	10690	168			12890.	15:24:28.350	DCCH	MEASUREMENT_CONTROL
				7102.		15:24:39.721	10690	168	-14.6		12891.	15:24:28.390	DCCH	ACTIVE_SET_UPDATE
				7103.	-101.5	15:24:40.367	10690	168			12892.	15:24:28.407	DCCH	ACTIVE_SET_UPDATE_COMPLETE
				7104.		15:24:40.367	10690	168	-16.5		12893.	15:24:28.446	DCCH	MEASUREMENT_REPORT
				7105.	-98.9	15:24:40.725	10690	168			12894.	15:24:29.631	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
				7106.		15:24:40.725	10690	168	-16.7		12895.	15:24:30.477	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
				7107.	-96.3	15:24:41.276	10690	168			12896.	15:24:31.311	DCCH	MEASUREMENT_CONTROL
				7108.		15:24:41.276	10690	168	-10		12897.	15:24:32.402	DCCH	MEASUREMENT_REPORT
				7109.	-100.5	15:24:41.801	10690	168			12898.	15:24:33.626	DCCH	MEASUREMENT_REPORT
				7110.		15:24:41.801	10690	168	-11.4		12899.	15:24:38.352	DCCH	MEASUREMENT_REPORT
				7111.	-97.1	15:24:42.367	10690	122			12900.	15:24:38.411	DCCH	MEASUREMENT_REPORT
				7112.		15:24:42.367	10690	122	-12		12901.	15:24:39.696	DCCH	MEASUREMENT_REPORT
				7113.	-95.4	15:24:42.934	10690	168			12902.	15:24:40.168	DCCH	MEASUREMENT_REPORT
				7114.		15:24:42.934	10690	168	-9.2		12903.	15:24:40.168	DCCH	MEASUREMENT_REPORT
				7115.	-95.8	15:24:43.372	10690	122			12904.	15:24:40.236	DCCH	MEASUREMENT_REPORT
				7116.		15:24:43.372	10690	122	-12.5		12905.	15:24:40.471	DCCH	ACTIVE_SET_UPDATE
				7117.	-99.8	15:24:43.989	10690	168			12906.	15:24:40.502	DCCH	ACTIVE_SET_UPDATE_COMPLETE
				7118.		15:24:43.989	10690	168	-15.3		12907.	15:24:40.871	DCCH	MEASUREMENT_CONTROL
				7119.	-97.6	15:24:44.504	10690	168			12908.	15:24:40.906	DCCH	MEASUREMENT_REPORT
				7120.		15:24:44.504	10690	168	-11.8		12909.	15:24:40.946	DCCH	MEASUREMENT_REPORT
				7121.	-101.2	15:24:44.967	10690	168			12910.	15:24:40.951	DCCH	ACTIVE_SET_UPDATE
				7122.		15:24:44.967	10690	168	-15.6		12911.	15:24:40.967	DCCH	ACTIVE_SET_UPDATE_COMPLETE
				7123.	-92.1	15:24:45.510	10690	93			12912.	15:24:43.831	DCCH	MEASUREMENT_CONTROL
				7124.		15:24:45.510	10690	93	-9.7		12913.	15:24:44.031	DCCH	DOWNLINK_DIRECT_TRANSFER
				7125.	-80	15:43:09.412	10690	50			12914.	15:24:44.031	DCCH	DISCONNECT
				7126.		15:43:09.412	10690	50	-13		12915.	15:24:44.032	DCCH	UPLINK_DIRECT_TRANSFER
				7127.	-80	15:43:09.931	10690	50			12916.	15:24:44.032	DCCH	RELEASE
				7128.		15:43:09.931	10690	50	-13.8		12917.	15:24:44.310	DCCH	DOWNLINK_DIRECT_TRANSFER
				7129.	-80	15:43:10.431	10690	50			12918.	15:24:44.310	DCCH	RELEASE_COMPLETE
				7130.		15:43:10.431	10690	50	-18.3		12919.	15:24:44.412	DCCH	MEASUREMENT_REPORT
				7131.	-80	15:43:10.931	10690	50			12920.	15:24:44.475	DCCH	MEASUREMENT_REPORT
				7132.		15:43:10.931	10690	50	-12.4		12921.	15:24:44.550	DCCH	RADIO_BEARER_RELEASE
				7133.	-80	15:43:11.425	10690	50			12922.	15:24:44.845	DCCH	MEASUREMENT_REPORT
				7134.		15:43:11.425	10690	50	-11.5		12923.	15:24:44.885	DCCH	MEASUREMENT_REPORT
				7135.	-80	15:43:11.931	10690	50			12924.	15:24:45.173	DCCH	MEASUREMENT_REPORT
				7136.		15:43:11.931	10690	50	-17		12925.	15:24:45.278	DCCH	RADIO_BEARER_RELEASE_COMPLETE
				7137.	-81.2	15:43:12.642	10690	90						

Analysis:

- This call drop event occurred on long call at 15:24:44:032 time when UE was latched with 3G network.
- After getting Alerting message at 15:24:14:670 time than Call drop happened.
- During the failure, UE was latched with PSC 168 and RF condition RSCP -99.8 dBm good but Ec/No -15.3 dB are 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	1
Poor Coverage	1

Call Attempt Failure cause from CWS	Count
Total Call Attempt Failure	4
Poor Coverage	4

Call Drop cause from Airtel	Count
Total Call Drop	0

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

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

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ▲		System	Transf. dir.	Time	Subchannel	Message name	
1.	14:19:54.343	UMTS FDD	2100	Cal	3847.		14:19:15.184	10562	140	-7.7	17524.	UMTS FDD	Downlink	14:19:53.689	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					3848.	-93.4	14:19:15.431	10562	140		17525.	UMTS FDD	Downlink	14:19:53.689	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					3849.		14:19:15.431	10562	140	-6.9	17526.	UMTS FDD	Downlink	14:19:53.709	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3850.	-94.8	14:19:16.123	10562	140		17527.	UMTS FDD	Downlink	14:19:53.709	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
					3851.		14:19:16.123	10562	140	-7.4	17528.	UMTS FDD	Downlink	14:19:53.729	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3852.	-99.9	14:19:47.932	3050	485		17529.	UMTS FDD	Downlink	14:19:53.749	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3853.		14:19:47.932	3050	485	-17.2	17530.	UMTS FDD	Downlink	14:19:53.749	BCCH	MASTER_INFORMATION_BLOCK
					3854.	-98.9	14:19:48.039	3050	485		17531.	UMTS FDD	Downlink	14:19:53.769	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3855.		14:19:48.039	3050	485	-19.9	17532.	UMTS FDD	Downlink	14:19:53.789	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3856.	-108.6	14:19:48.940	3050	485		17533.	UMTS FDD	Downlink	14:19:53.789	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_5
					3857.		14:19:48.940	3050	485	-25.4	17534.	UMTS FDD	Downlink	14:19:53.809	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3858.	-109.4	14:19:49.050	3050	485		17535.	UMTS FDD	Downlink	14:19:53.809	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
					3859.	-108.8	14:19:49.949	3050	485		17536.	UMTS FDD	Downlink	14:19:53.829	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3860.	-106.3	14:19:50.378	3050	485		17537.	UMTS FDD	Downlink	14:19:53.829	BCCH	MASTER_INFORMATION_BLOCK
					3861.		14:19:50.378	3050	485	-23.6	17538.	UMTS FDD	Downlink	14:19:53.849	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3862.	-106.7	14:19:51.003	3050	485		17539.	UMTS FDD	Downlink	14:19:53.849	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					3863.		14:19:51.003	3050	485	-23.8	17540.	UMTS FDD	Downlink	14:19:53.849	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					3864.	-109.5	14:19:51.378	3050	485		17541.	UMTS FDD	Downlink	14:19:53.869	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3865.		14:19:51.378	3050	485	-25.9	17542.	UMTS FDD	Downlink	14:19:53.889	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3866.	-108.8	14:19:51.953	3050	485		17543.	UMTS FDD	Downlink	14:19:53.909	BCCH_BCH	SYSTEM_INFORMATION_BCH
					3867.		14:19:51.953	3050	485	-25.2	17544.	UMTS FDD	Downlink	14:19:53.909	BCCH	MASTER_INFORMATION_BLOCK
					3868.	-108.7	14:19:52.389	3050	485		17545.	UMTS FDD	Downlink	14:19:53.919	DCCH	CELL_UPDATE_CONFIRM
					3869.		14:19:52.389	3050	485	-24.9	17546.	UMTS FDD	Uplink	14:19:53.968	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					3870.	-108.2	14:19:53.029	3050	485		17547.	UMTS FDD	Uplink	14:19:53.968	DCCH	INITIAL_DIRECT_TRANSFER
					3871.		14:19:53.029	3050	485	-25.6	17548.	UMTS FDD	Uplink	14:19:53.968	DCCH	CM_SERVICE_REQUEST
					3872.	-93.6	14:19:53.734	10562	140		17549.	UMTS FDD	Uplink	14:19:53.968	DCCH	INITIAL_DIRECT_TRANSFER
					3873.		14:19:53.734	10562	140	-5.7	17550.	UMTS FDD	Uplink	14:19:53.968	DCCH	ROUTING_AREA_UPDATE_REQUEST
					3874.	-95.5	14:19:54.026	10562	140		17551.	UMTS FDD	Downlink	14:19:54.132	DCCH	MEASUREMENT_CONTROL
					3875.		14:19:54.026	10562	140	-7.9	17552.	UMTS FDD	Downlink	14:19:54.192	DCCH	MEASUREMENT_CONTROL
					3876.	-90.7	14:19:54.509	10562	140		17553.	UMTS FDD	Downlink	14:19:54.202	DCCH	MEASUREMENT_CONTROL
					3877.		14:19:54.509	10562	140	-11.8	17554.	UMTS FDD	Downlink	14:19:54.212	DCCH	MEASUREMENT_CONTROL
					3878.	-95	14:19:55.049	10562	140		17555.	UMTS FDD	Downlink	14:19:54.222	DCCH	MEASUREMENT_CONTROL
					3879.		14:19:55.049	10562	140	-6.1	17556.	UMTS FDD	Downlink	14:19:54.342	DCCH	DOWNLINK_DIRECT_TRANSFER
					3880.	-91.7	14:19:55.826	10562	140		17557.	UMTS FDD	Downlink	14:19:54.342	DCCH	AUTHENTICATION_REQUEST
					3881.		14:19:55.826	10562	140	-13.9	17558.	UMTS FDD	Downlink	14:19:54.343	DCCH	DOWNLINK_DIRECT_TRANSFER
					3882.	-97.4	14:19:56.162	10562	140		17559.	UMTS FDD	Downlink	14:19:54.343	DCCH	CM_SERVICE_REJECT
					3883.		14:19:56.162	10562	140	-6.6	17560.	UMTS FDD	Downlink	14:19:54.412	DCCH	RRC_CONNECTION_RELEASE

Analysis:

- This call failure event occurred on short call at 14:19:54:343 time when UE was latched with 3G network.
- During the call failure UE send "CM Service Request " and "Setup" message to core network. Then call setup has been failed.
- During the setup fail, UE was latched with PSC 485 and RF condition RSCP -109.5 dBm and Ec/No -25.9 dB both are poor.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

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

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ▲		System	Transf. dir.	Time	Subchannel	Message name
1.	14:19:01.532	UMTS FDD	2100	Orig	3473.	14:18:53.702	10690	122	-14.8	12537.	UMTS FDD	Uplink	14:18:51.502	DCCH	MEASUREMENT_REPORT
2.	14:22:21.431	UMTS FDD	2100	Call	3474.	14:18:54.429	10690	122		12538.	UMTS FDD	Uplink	14:18:53.976	DCCH	MEASUREMENT_REPORT
3.	14:23:06.093	GSM	900	Call	3475.	14:18:54.429	10690	122	-15.5	12539.	UMTS FDD	Downlink	14:18:54.041	DCCH	DOWNLINK_DIRECT_TRANSFER
4.	14:26:58.191	UMTS FDD	2100	Call	3476.	14:18:54.793	10690	122		12540.	UMTS FDD	Downlink	14:18:54.041	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
					3477.	14:18:54.793	10690	122	-10.6	12541.	UMTS FDD	Uplink	14:18:54.079	DCCH	UPLINK_DIRECT_TRANSFER
					3478.	14:18:55.223	10690	122	-98.8	12542.	UMTS FDD	Uplink	14:18:54.079	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
					3479.	14:18:55.223	10690	122	-9.6	12543.	UMTS FDD	Downlink	14:18:54.341	DCCH	SECURITY_MODE_COMMAND
					3480.	14:18:55.707	10690	168	-100	12544.	UMTS FDD	Uplink	14:18:54.341	DCCH	SECURITY_MODE_COMPLETE
					3481.	14:18:55.707	10690	168	-9.6	12545.	UMTS FDD	Downlink	14:18:54.698	DCCH	DOWNLINK_DIRECT_TRANSFER
					3482.	14:18:56.302	10690	168	-103.8	12546.	UMTS FDD	Downlink	14:18:54.698	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					3483.	14:18:56.302	10690	168	-13.4	12547.	UMTS FDD	Uplink	14:18:54.699	DCCH	UPLINK_DIRECT_TRANSFER
					3484.	14:18:56.884	10690	122	-99.7	12548.	UMTS FDD	Uplink	14:18:54.699	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					3485.	14:18:56.884	10690	122	-10.5	12549.	UMTS FDD	Uplink	14:18:54.913	DCCH	MEASUREMENT_REPORT
					3486.	14:18:57.302	10690	122	-105.5	12550.	UMTS FDD	Uplink	14:18:55.315	DCCH	MEASUREMENT_REPORT
					3487.	14:18:57.302	10690	122	-12.7	12551.	UMTS FDD	Uplink	14:18:56.553	DCCH	MEASUREMENT_REPORT
					3488.	14:18:58.011	10690	168	-99.1	12552.	UMTS FDD	Uplink	14:18:58.043	DCCH	MEASUREMENT_REPORT
					3489.	14:18:58.011	10690	168	-9.9	12553.	UMTS FDD	Uplink	14:18:58.513	DCCH	MEASUREMENT_REPORT
					3490.	14:18:58.519	10690	122	-96.7	12554.	UMTS FDD	Uplink	14:18:59.152	DCCH	MEASUREMENT_REPORT
					3491.	14:18:58.519	10690	122	-9	12555.	UMTS FDD	Uplink	14:19:00.002	DCCH	MEASUREMENT_REPORT
					3492.	14:18:59.080	10690	122	-97.2	12556.	UMTS FDD	Uplink	14:19:00.424	DCCH	MEASUREMENT_REPORT
					3493.	14:18:59.080	10690	122	-10.4	12557.	UMTS FDD	Uplink	14:19:00.562	DCCH	MEASUREMENT_REPORT
					3494.	14:18:59.681	10690	122	-100.2	12558.	UMTS FDD	Uplink	14:19:00.603	DCCH	MEASUREMENT_REPORT
					3495.	14:18:59.681	10690	122	-14.3	12559.	UMTS FDD	Downlink	14:19:00.848	DCCH	RADIO_BEARER_SETUP
					3496.	14:19:00.183	10690	122	-99.2	12560.	UMTS FDD	Uplink	14:19:00.942	DCCH	MEASUREMENT_REPORT
					3497.	14:19:00.183	10690	122	-13.9	12561.	UMTS FDD	Uplink	14:19:01.011	DCCH	RADIO_BEARER_SETUP_COMPLETE
					3498.	14:19:00.676	10690	122	-100.8	12562.	UMTS FDD	Downlink	14:19:01.257	DCCH	MEASUREMENT_CONTROL
					3499.	14:19:00.676	10690	122	-13.9	12563.	UMTS FDD	Downlink	14:19:01.297	DCCH	MEASUREMENT_CONTROL
					3500.	14:19:01.090	10690	122	-95.7	12564.	UMTS FDD	Downlink	14:19:01.338	DCCH	MEASUREMENT_CONTROL
					3501.	14:19:01.090	10690	122	-10.7	12565.	UMTS FDD	Downlink	14:19:01.378	DCCH	MEASUREMENT_CONTROL
					3502.	14:19:01.668	10690	168	-99.6	12566.	UMTS FDD	Downlink	14:19:01.458	DCCH	DOWNLINK_DIRECT_TRANSFER
					3503.	14:19:01.668	10690	168	-13.4	12567.	UMTS FDD	Downlink	14:19:01.458	DCCH	DISCONNECT
					3504.	14:19:02.088	10690	122	-96.8	12568.	UMTS FDD	Uplink	14:19:01.500	DCCH	MEASUREMENT_REPORT
					3505.	14:19:02.088	10690	122	-11.4	12569.	UMTS FDD	Uplink	14:19:01.532	DCCH	UPLINK_DIRECT_TRANSFER
					3506.	14:19:02.768	10690	122	-97.3	12570.	UMTS FDD	Uplink	14:19:01.532	DCCH	RELEASE
					3507.	14:19:02.768	10690	122	-14.5	12571.	UMTS FDD	Downlink	14:19:01.818	DCCH	DOWNLINK_DIRECT_TRANSFER
					3508.	14:19:03.379	10690	168	-96.6	12572.	UMTS FDD	Downlink	14:19:01.818	DCCH	RELEASE_COMPLETE
					3509.	14:19:03.379	10690	168	-10.9	12573.	UMTS FDD	Downlink	14:19:01.978	DCCH	RADIO_BEARER_RELEASE

Analysis:

- This call failure event occurred on short call at 14:19:01:532 time when UE was latched with 3G network.
- During the call failure UE send "CM Service Request " and "Setup" message to core network. Then call setup has been failed.
- During the setup fail, UE was latched with PSC 122 and RF condition RSCP -105.5 dBm is poor and Ec/No -12.7 dB which is ok.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

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

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ▲		System	Transf. dir.	Time	Subchannel	Message name	
1.	14:19:01.532	UMTS FDD	2100	Dro	3801.		14:22:15.861	10740	200	-9.7	13530.	UMTS FDD	Downlink	14:22:20.689	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_19
2.	14:22:21.431	UMTS FDD	2100	Call	3802.	-106.1	14:22:16.428	10715	200		13531.	UMTS FDD	Downlink	14:22:20.768	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
3.	14:23:06.093	GSM	900	Call	3803.		14:22:16.428	10715	200	-14.7	13532.	UMTS FDD	Downlink	14:22:20.788	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
4.	14:26:58.191	UMTS FDD	2100	Call	3804.	-104	14:22:16.918	10690	200		13533.	UMTS FDD	Downlink	14:22:20.808	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					3805.		14:22:16.918	10690	200	-13.5	13534.	UMTS FDD	Downlink	14:22:20.808	BCCH	MASTER_INFORMATION_BLOCK
					3806.	-108.7	14:22:17.479	10690	200		13535.	UMTS FDD	Downlink	14:22:20.808	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					3807.		14:22:17.479	10715	200	-16.3	13536.	UMTS FDD	Downlink	14:22:20.809	BCCH_BCH	MASTER_INFORMATION_BLOCK
					3808.	-109.7	14:22:18.066	10690	200		13537.	UMTS FDD	Downlink	14:22:20.809	BCCH_BCH	SCHEDULING_BLOCK_1
					3809.		14:22:18.066	10690	200	-17	13538.	UMTS FDD	Downlink	14:22:20.809	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
					3810.	-114.5	14:22:18.479	10690	200		13539.	UMTS FDD	Downlink	14:22:20.809	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					3811.		14:22:18.479	10715	200	-18.4	13540.	UMTS FDD	Downlink	14:22:20.809	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_5
					3812.	-106.9	14:22:19.033	10690	200		13541.	UMTS FDD	Downlink	14:22:21.029	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					3813.		14:22:19.033	10715	200	-12	13542.	UMTS FDD	Downlink	14:22:21.048	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					3814.	-102.1	14:22:19.519	10715	200		13543.	UMTS FDD	Downlink	14:22:21.048	BCCH	MASTER_INFORMATION_BLOCK
					3815.		14:22:19.519	10715	200	-11.5	13544.	UMTS FDD	Downlink	14:22:21.048	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					3816.	-105.2	14:22:20.075	10690	200		13545.	UMTS FDD	Downlink	14:22:21.068	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					3817.		14:22:20.075	10690	200	-14.8	13546.	UMTS FDD	Downlink	14:22:21.089	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					3818.	-100.6	14:22:20.356	10690	200		13547.	UMTS FDD	Downlink	14:22:21.109	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					3819.		14:22:20.356	10690	200	-10.9	13548.	UMTS FDD	Downlink	14:22:21.348	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					3820.	-107.8	14:22:20.726	10690	200		13549.	UMTS FDD	Downlink	14:22:21.389	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					3821.		14:22:20.726	10690	200	-17.6	13550.	UMTS FDD	Downlink	14:22:21.389	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_11
					3822.	-108.3	14:22:21.431	10690	200		13551.	UMTS FDD	Downlink	14:22:21.408	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					3823.		14:22:21.431	10690	200	-15.9	13552.	UMTS FDD	Downlink	14:22:21.428	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					3824.	-108.1	14:22:22.152	10690	200		13553.	UMTS FDD	Downlink	14:22:26.009	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					3825.		14:22:22.152	10690	200	-17.2	13554.	UMTS FDD	Downlink	14:22:26.009	BCCH	MASTER_INFORMATION_BLOCK
					3826.	-104.2	14:22:22.842	10690	200		13555.	UMTS FDD	Downlink	14:22:26.009	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					3827.		14:22:22.842	10690	200	-14.4	13556.	UMTS FDD	Downlink	14:22:26.009	BCCH_BCH	MASTER_INFORMATION_BLOCK
					3828.	-111.4	14:22:23.433	10690	200		13557.	UMTS FDD	Downlink	14:22:26.009	BCCH_BCH	SCHEDULING_BLOCK_1
					3829.		14:22:23.433	10690	200	-19.4	13558.	UMTS FDD	Downlink	14:22:26.010	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_1
					3830.	-105.5	14:22:24.009	10690	200		13559.	UMTS FDD	Downlink	14:22:26.010	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					3831.		14:22:24.009	10690	200	-14.3	13560.	UMTS FDD	Downlink	14:22:26.010	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_5
					3832.	-107.6	14:22:24.461	10690	200		13561.	UMTS FDD	Downlink	14:22:26.068	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					3833.		14:22:24.461	10690	200	-19.5	13562.	UMTS FDD	Downlink	14:22:26.068	BCCH	SCHEDULING_BLOCK_1
					3834.	-111.1	14:22:25.012	10690	200		13563.	UMTS FDD	Downlink	14:22:26.089	BCCH_BCH	SYSTEM_INFORMATION_BLOCK
					3835.		14:22:25.012	10690	200	-19.8	13564.	UMTS FDD	Downlink	14:22:26.089	BCCH	MASTER_INFORMATION_BLOCK
					3836.	-112	14:22:25.198	10690	200		13565.	UMTS FDD	Downlink	14:22:26.089	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					3837.		14:22:25.198	10690	200	-21.4	13566.	UMTS FDD	Downlink	14:22:26.089	BCCH_BCH	MASTER_INFORMATION_BLOCK

Analysis:

- This call failure event occurred on short call at 14:22:21:431 time when UE was latched with 3G network.
- During the call failure UE send "CM Service Request " and "Setup" message to core network. Then call setup has been failed.
- During the setup fail, UE was latched with PSC 200 and RF condition RSCP -108.3 dBm and Ec/No -15.9 dB both are poor.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

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

	Time	System	Serving band		Time	RxLev sub	ARFCN	BSIC	C1	C2	LAC		System	Transf. dir.	Time	Subchannel	Message name	
1.	14:19:01.532	UMTS FDD	2100	Dro	545.	14:22:58.096							13822.	GSM	Downlink	14:23:01.266	SACCH	MEASUREMENT_INFORMATION
2.	14:22:21.431	UMTS FDD	2100	Call	546.	14:22:58.693	-93	13	18		1		13823.	GSM	Uplink	14:23:01.603	SACCH	MEASUREMENT_REPORT
3.	14:23:06.093	GSM	900	Call	547.	14:22:59.041	-93	13	18		1		13824.	GSM	Downlink	14:23:01.737	SACCH	MEASUREMENT_INFORMATION
4.	14:26:58.191	UMTS FDD	2100	Call	548.	14:22:59.720							13825.	GSM	Uplink	14:23:02.074	SACCH	MEASUREMENT_REPORT
					549.	14:23:00.191	-92	13	18		1		13826.	GSM	Downlink	14:23:02.208	SACCH	MEASUREMENT_INFORMATION
					550.	14:23:00.191							13827.	GSM	Uplink	14:23:02.545	SACCH	MEASUREMENT_REPORT
					551.	14:23:00.662							13828.	GSM	Downlink	14:23:02.678	SACCH	MEASUREMENT_INFORMATION
					552.	14:23:01.077	-87	13	18		1		13829.	GSM	Uplink	14:23:03.016	SACCH	MEASUREMENT_REPORT
					553.	14:23:01.132							13830.	GSM	Downlink	14:23:03.149	SACCH	MEASUREMENT_INFORMATION
					554.	14:23:01.266	-87	13	18		1		13831.	GSM	Uplink	14:23:03.486	SACCH	MEASUREMENT_REPORT
					555.	14:23:01.603							13832.	GSM	Downlink	14:23:03.620	SACCH	MEASUREMENT_INFORMATION
					556.	14:23:02.074	-91	13	18		1		13833.	GSM	Uplink	14:23:03.957	SACCH	MEASUREMENT_REPORT
					557.	14:23:02.074							13834.	GSM	Downlink	14:23:04.091	SACCH	SYSTEM_INFORMATION_TYPE_5
					558.	14:23:02.545	-91	13	18		1		13835.	GSM	Uplink	14:23:04.428	SACCH	MEASUREMENT_REPORT
					559.	14:23:02.545							13836.	GSM	Downlink	14:23:04.649	DCCH	CHANNEL_RELEASE
					560.	14:23:03.016							13837.	GSM	Downlink	14:23:05.262	CCCH	IMMEDIATE_ASSIGNMENT
					561.	14:23:03.077	-92	13	18		1		13838.	GSM	Downlink	14:23:05.290	CCCH	PAGING_REQUEST_TYPE_1
					562.	14:23:03.486							13839.	GSM	Downlink	14:23:05.309	CCCH	IMMEDIATE_ASSIGNMENT
					563.	14:23:03.634	-88	13	18		1		13840.	GSM	Downlink	14:23:05.341	BCCH	SYSTEM_INFORMATION_TYPE_3
					564.	14:23:03.957							13841.	GSM	Uplink	14:23:05.359	PACCH	PACKET_RESOURCE_REQUEST
					565.	14:23:04.178	-93	13	18		1		13842.	GSM	Downlink	14:23:05.478	PACCH	PACKET_UPLINK_ASSIGNMENT
					566.	14:23:04.428							13843.	GSM	Uplink	14:23:05.478	PACCH	PACKET_UPLINK_DUMMY_CONTROL_BLOCK
					567.	14:23:04.698	-88	13	18		1		13844.	GSM	Downlink	14:23:05.617	PACCH	PACKET_UPLINK_ACK/NACK
					568.	14:23:04.698							13845.	GSM	Downlink	14:23:05.640	PACCH	PACKET_DOWNLINK_ASSIGNMENT
					569.	14:23:05.382	-88	13	18		1		13846.	GSM	Uplink	14:23:05.778	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
					570.	14:23:06.093	-90	13	18	16	16	1	13847.	GSM	Uplink	14:23:05.898	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
					571.	14:23:06.419	-92	13	18	14	14	1	13848.	GSM	Downlink	14:23:06.747	BCCH	SYSTEM_INFORMATION_TYPE_13
					572.	14:23:07.077	-93	13	18	13	13	1	13849.	GSM	Uplink	14:23:06.895	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
					573.	14:23:07.453	-93	13	18	13	13	1	13850.	GSM	Uplink	14:23:07.657	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
					574.	14:23:08.030	-94	13	18	12	12	1	13851.	GSM	Downlink	14:23:07.818	PACCH	PACKET_UPLINK_ACK/NACK
					575.	14:23:08.482	-93	13	18	13	13	1	13852.	GSM	Uplink	14:23:08.058	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
					576.	14:23:09.064	-93	13	18	13	13	1	13853.	GSM	Uplink	14:23:08.215	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
					577.	14:23:09.757	-93	13	18	13	13	1	13854.	GSM	Downlink	14:23:08.861	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
					578.	14:23:11.568	-93	13	18	13	13	1	13855.	GSM	Downlink	14:23:09.878	CCCH	PAGING_REQUEST_TYPE_1
					579.	14:23:12.081	-93	13	18	13	13	1	13856.	GSM	Downlink	14:23:09.952	CCCH	PAGING_REQUEST_TYPE_1
					580.	14:23:12.625	-93	13	18	13	13	1	13857.	GSM	Downlink	14:23:10.016	CCCH	PAGING_REQUEST_TYPE_1
					581.	14:23:13.128	-93	13	18	13	13	1	13858.	GSM	Downlink	14:23:10.049	BCCH	SYSTEM_INFORMATION_TYPE_3

Analysis:

- This call failure event occurred on short call at 14:23:06:093 time when UE was latched with 2G network.
- After sending "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 13 and RF condition Rx lev -93 dBm is poor and Rx qual 0 dB was very good.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

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

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best ▲		System	Transf. dir.	Time	Subchannel	Message name	
1.	14:19:01.532	UMTS FDD	2100	Dro	4104.		14:26:52.572	10690	47	-20.4	15032.	UMTS FDD	Downlink	14:26:56.504	DCCH	AUTHENTICATION_AND_CIPHERING_REQUEST
2.	14:22:21.431	UMTS FDD	2100	Call	4105.	-105.2	14:26:53.078	10690	122		15033.	UMTS FDD	Uplink	14:26:56.542	DCCH	UPLINK_DIRECT_TRANSFER
3.	14:23:06.093	GSM	900	Call	4106.		14:26:53.078	10690	122	-11.9	15034.	UMTS FDD	Uplink	14:26:56.542	DCCH	AUTHENTICATION_AND_CIPHERING_RESPONSE
4.	14:26:58.191	UMTS FDD	2100	Cal	4107.	-109.7	14:26:53.559	10690	122		15035.	UMTS FDD	Downlink	14:26:56.914	DCCH	SECURITY_MODE_COMMAND
					4108.		14:26:53.559	10690	122	-16.6	15036.	UMTS FDD	Uplink	14:26:56.914	DCCH	SECURITY_MODE_COMPLETE
					4109.	-106.1	14:26:54.112	10690	122		15037.	UMTS FDD	Uplink	14:26:56.950	DCCH	MEASUREMENT_REPORT
					4110.		14:26:54.112	10690	122	-11.3	15038.	UMTS FDD	Downlink	14:26:57.114	DCCH	ACTIVE_SET_UPDATE
					4111.	-111.1	14:26:54.561	10690	122		15039.	UMTS FDD	Uplink	14:26:57.126	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					4112.		14:26:54.561	10690	122	-17.2	15040.	UMTS FDD	Downlink	14:26:57.364	DCCH	DOWNLINK_DIRECT_TRANSFER
					4113.	-109.7	14:26:55.078	10690	122		15041.	UMTS FDD	Downlink	14:26:57.364	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					4114.		14:26:55.078	10690	47	-16	15042.	UMTS FDD	Uplink	14:26:57.366	DCCH	UPLINK_DIRECT_TRANSFER
					4115.	-109.5	14:26:55.550	10690	47		15043.	UMTS FDD	Uplink	14:26:57.366	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					4116.		14:26:55.550	10690	122	-16.1	15044.	UMTS FDD	Uplink	14:26:57.368	DCCH	UPLINK_DIRECT_TRANSFER
					4117.	-107.2	14:26:56.076	10690	47		15045.	UMTS FDD	Uplink	14:26:57.368	DCCH	SERVICE_REQUEST
					4118.		14:26:56.076	10690	47	-13.6	15046.	UMTS FDD	Downlink	14:26:57.474	DCCH	DOWNLINK_DIRECT_TRANSFER
					4119.	-108.8	14:26:56.700	10690	47		15047.	UMTS FDD	Downlink	14:26:57.474	DCCH	SERVICE_ACCEPT
					4120.		14:26:56.700	10690	47	-16.2	15048.	UMTS FDD	Downlink	14:26:57.674	DCCH	RADIO_BEARER_SETUP
					4121.	-102.6	14:26:57.219	10690	20		15049.	UMTS FDD	Uplink	14:26:57.962	DCCH	RADIO_BEARER_SETUP_COMPLETE
					4122.		14:26:57.219	10690	20	-11.6	15050.	UMTS FDD	Uplink	14:26:58.191	DCCH	UPLINK_DIRECT_TRANSFER
					4123.	-105.9	14:26:57.585	10690	47		15051.	UMTS FDD	Uplink	14:26:58.191	DCCH	DISCONNECT
					4124.		14:26:57.585	10690	47	-13.5	15052.	UMTS FDD	Downlink	14:26:58.193	DCCH	MEASUREMENT_CONTROL
					4125.	-109.4	14:26:58.210	10690	20		15053.	UMTS FDD	Downlink	14:26:58.234	DCCH	MEASUREMENT_CONTROL
					4126.		14:26:58.210	10690	20	-15.8	15054.	UMTS FDD	Downlink	14:26:58.274	DCCH	MEASUREMENT_CONTROL
					4127.	-108.5	14:26:58.682	10690	47		15055.	UMTS FDD	Downlink	14:26:58.314	DCCH	MEASUREMENT_CONTROL
					4128.		14:26:58.682	10690	47	-15.9	15056.	UMTS FDD	Downlink	14:26:58.354	DCCH	MEASUREMENT_CONTROL
					4129.	-107.4	14:26:59.259	10690	122		15057.	UMTS FDD	Downlink	14:26:58.394	DCCH	MEASUREMENT_CONTROL
					4130.		14:26:59.259	10690	122	-14.5	15058.	UMTS FDD	Downlink	14:26:58.554	DCCH	MEASUREMENT_CONTROL
					4131.	-102.5	14:26:59.699	10690	122		15059.	UMTS FDD	Downlink	14:26:58.594	DCCH	DOWNLINK_DIRECT_TRANSFER
					4132.		14:26:59.699	10690	122	-11.4	15060.	UMTS FDD	Downlink	14:26:58.594	DCCH	MODIFY_PDP_CONTEXT_REQUEST
					4133.	-104.1	14:27:00.325	10690	122		15061.	UMTS FDD	Uplink	14:26:58.595	DCCH	UPLINK_DIRECT_TRANSFER
					4134.		14:27:00.325	10690	122	-13	15062.	UMTS FDD	Uplink	14:26:58.595	DCCH	MODIFY_PDP_CONTEXT_ACCEPT
					4135.	-98.6	14:27:00.718	10690	122		15063.	UMTS FDD	Downlink	14:26:58.634	DCCH	DOWNLINK_DIRECT_TRANSFER
					4136.		14:27:00.718	10690	122	-9.8	15064.	UMTS FDD	Downlink	14:26:58.634	DCCH	RELEASE
					4137.	-104.2	14:27:01.322	10690	168		15065.	UMTS FDD	Uplink	14:26:58.635	DCCH	UPLINK_DIRECT_TRANSFER
					4138.		14:27:01.322	10690	168	-13.3	15066.	UMTS FDD	Uplink	14:26:58.635	DCCH	RELEASE_COMPLETE
					4139.	-103.1	14:27:01.881	10690	47		15067.	UMTS FDD	Uplink	14:26:58.809	DCCH	MEASUREMENT_REPORT
					4140.		14:27:01.881	10690	47	-12.7	15068.	UMTS FDD	Downlink	14:26:58.954	DCCH	SIGNALLING_CONNECTION_RELEASE

Analysis:

- This call failure event occurred on short call at 14:26:58:191 time when UE was latched with 3G network.
- During the call failure UE send "CM Service Request " and "Setup" message to core network. Then call setup has been failed.
- During the setup fail, UE was latched with PSC 47 and RF condition RSCP -108.8 dBm and Ec/No -16.2 dB both are poor.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.

Phase-2 Call Drop Analysis 1 From MS11 CWS MO

	Time	System	Serving band	Call type		1. best active RSCP	Time	Ch	SC	1. best ar		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	14:03:40.327	UMTS FDD	2100	Voice call	4245.	-80.5	14:03:37.963	10690	386		4033.	RRCSM	UMTS FDD	Uplink	14:03:34.444	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
2.	14:09:27.709	GSM	900	Voice call	4246.		14:03:37.963	10690	386	-25.6	4034.	RRCSM	UMTS FDD	Uplink	14:03:34.606	DCCH	MEASUREMENT_REPORT
					4247.	-84.7	14:03:38.022	10690	386		4035.	RRCSM	UMTS FDD	Uplink	14:03:34.926	DCCH	MEASUREMENT_REPORT
					4248.	-84.7	14:03:38.094	10690	386		4036.	RRCSM	UMTS FDD	Uplink	14:03:35.287	DCCH	MEASUREMENT_REPORT
					4249.	-90	14:03:38.262	10690	386		4037.	RRCSM	UMTS FDD	Downlink	14:03:35.612	DCCH	MEASUREMENT_CONTROL
					4250.		14:03:38.262	10690	386	-25.8	4038.	RRCSM	UMTS FDD	Uplink	14:03:35.963	DCCH	MEASUREMENT_REPORT
					4251.	-90	14:03:38.463	10690	386		4039.	RRCSM	UMTS FDD	Uplink	14:03:36.150	DCCH	MEASUREMENT_REPORT
					4252.		14:03:38.463	10690	386	-25.8	4040.	RRCSM	UMTS FDD	Uplink	14:03:36.463	DCCH	MEASUREMENT_REPORT
					4253.	-90	14:03:38.537	10690	386		4041.	RRCSM	UMTS FDD	Uplink	14:03:36.544	DCCH	MEASUREMENT_REPORT
					4254.		14:03:38.537	10690	386	-25.8	4042.	RRCSM	UMTS FDD	Uplink	14:03:36.654	DCCH	MEASUREMENT_REPORT
					4255.	-90	14:03:38.973	10690	386		4043.	RRCSM	UMTS FDD	Uplink	14:03:36.963	DCCH	MEASUREMENT_REPORT
					4256.		14:03:38.973	10690	386	-25.8	4044.	RRCSM	UMTS FDD	Uplink	14:03:37.463	DCCH	MEASUREMENT_REPORT
					4257.	-90	14:03:38.994	10690	386		4045.	RRCSM	UMTS FDD	Uplink	14:03:37.573	DCCH	MEASUREMENT_REPORT
					4258.		14:03:38.994	10690	386	-25.8	4046.	RRCSM	UMTS FDD	Uplink	14:03:37.963	DCCH	MEASUREMENT_REPORT
					4259.	-87	14:03:39.049	10690	386		4047.	RRCSM	UMTS FDD	Uplink	14:03:38.094	DCCH	MEASUREMENT_REPORT
					4260.		14:03:39.049	10690	386	-23.8	4048.	RRCSM	UMTS FDD	Uplink	14:03:38.463	DCCH	MEASUREMENT_REPORT
					4261.	-89	14:03:39.295	10690	386		4049.	RRCSM	UMTS FDD	Uplink	14:03:38.537	DCCH	MEASUREMENT_REPORT
					4262.		14:03:39.295	10690	386	-23.2	4050.	RRCSM	UMTS FDD	Uplink	14:03:38.627	DCCH	MEASUREMENT_REPORT
					4263.	-89	14:03:39.473	10690	386		4051.	RRCSM	UMTS FDD	Uplink	14:03:38.773	DCCH	MEASUREMENT_REPORT
					4264.		14:03:39.473	10690	386	-23.2	4052.	RRCSM	UMTS FDD	Uplink	14:03:38.973	DCCH	MEASUREMENT_REPORT
					4265.	-89	14:03:39.973	10690	386		4053.	RRCSM	UMTS FDD	Uplink	14:03:38.994	DCCH	MEASUREMENT_REPORT
					4266.		14:03:39.973	10690	386	-23.2	4054.	RRCSM	UMTS FDD	Uplink	14:03:39.473	DCCH	MEASUREMENT_REPORT
					4267.	-82.1	14:03:40.042	10690	386		4055.	RRCSM	UMTS FDD	Uplink	14:03:39.973	DCCH	MEASUREMENT_REPORT
					4268.		14:03:40.042	10690	386	-23.8	4056.	RRCSM	UMTS FDD	Downlink	14:03:40.543	BCCH_BCH	SYSTEM_INFORMATION_BCH
					4269.	-65.8	14:03:40.486	10690	68		4057.	RRCSM	UMTS FDD	Downlink	14:03:40.563	BCCH_BCH	SYSTEM_INFORMATION_BCH
					4270.		14:03:40.486	10690	68	-5.8	4058.	RRCSM	UMTS FDD	Downlink	14:03:40.583	BCCH_BCH	SYSTEM_INFORMATION_BCH
					4271.	-78.5	14:03:41.136	10690	68		4059.	RRCSM	UMTS FDD	Downlink	14:03:40.583	BCCH	MASTER_INFORMATION_BLOCK
					4272.		14:03:41.136	10690	68	-11.4	4060.	RRCSM	UMTS FDD	Downlink	14:03:40.583	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					4273.	-70.5	14:03:41.374	10690	68		4061.	RRCSM	UMTS FDD	Downlink	14:03:40.603	BCCH_BCH	SYSTEM_INFORMATION_BCH
					4274.		14:03:41.374	10690	68	-8.6	4062.	RRCSM	UMTS FDD	Downlink	14:03:40.603	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_2
					4275.	-76.9	14:03:42.078	10690	68		4063.	RRCSM	UMTS FDD	Downlink	14:03:40.603	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					4276.		14:03:42.078	10690	68	-11.5	4064.	RRCSM	UMTS FDD	Downlink	14:03:40.943	BCCH_BCH	SYSTEM_INFORMATION_BCH
					4277.	-80	14:03:42.576	10690	68		4065.	RRCSM	UMTS FDD	Downlink	14:03:40.963	BCCH_BCH	SYSTEM_INFORMATION_BCH
					4278.		14:03:42.576	10690	68	-16.8	4066.	RRCSM	UMTS FDD	Downlink	14:03:40.983	BCCH_BCH	SYSTEM_INFORMATION_BCH
					4279.	-85.6	14:03:43.000	10690	68		4067.	RRCSM	UMTS FDD	Downlink	14:03:40.983	BCCH	MASTER_INFORMATION_BLOCK
					4280.		14:03:43.000	10690	68	-20.1	4068.	RRCSM	UMTS FDD	Downlink	14:03:40.983	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					4281.	-92.6	14:03:43.691	10690	68		4069.	RRCSM	UMTS FDD	Downlink	14:03:41.003	BCCH_BCH	SYSTEM_INFORMATION_BCH

Analysis:

- This call drop event occurred on long call at 14:03:40:327 time when UE was latched with 3G network.
- After getting Alerting message at 14:02:03:132 time than Call drop happened.
- During the session UE was latched with PSC 386 and RF condition RSCP -82.1 dBm is ok and Ec/No -23.8 dB which is poor.
- As per the analysis call failed happened due to poor quality of the network.

Phase-2 Call Drop Analysis 2 From MS11 CWS MO

	Time	System	Serving band	Call type		Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ		System	Transf. dir.	Time	Subchannel	Message name
1.	14:03:40.327	UMTS FDD	2100	Voice call	1111.	14:09:12.400	-93	24	15	1	10		5643.	GSM	Uplink	14:09:14.597	SACCH	MEASUREMENT_REPORT
2.	14:09:27.709	GSM	900	Voice call	1112.	14:09:13.053	-96	24	15	1	10		5644.	GSM	Uplink	14:09:15.077	SACCH	MEASUREMENT_REPORT
					1113.	14:09:13.683	-92	24	15	1	10		5645.	GSM	Downlink	14:09:15.510	SACCH	SYSTEM_INFORMATION_TYPE_5
					1114.	14:09:14.117	-93	24	15	1	10		5646.	GSM	Uplink	14:09:15.557	SACCH	MEASUREMENT_REPORT
					1115.	14:09:14.601	-95	24	15	1	10		5647.	GSM	Uplink	14:09:16.037	SACCH	MEASUREMENT_REPORT
					1116.	14:09:15.104	-93	24	15	1	10		5648.	GSM	Uplink	14:09:16.517	SACCH	MEASUREMENT_REPORT
					1117.	14:09:15.764	-94	24	15	1	10		5649.	GSM	Uplink	14:09:16.997	SACCH	MEASUREMENT_REPORT
					1118.	14:09:16.304	-93	24	15	1	10		5650.	GSM	Uplink	14:09:17.477	SACCH	MEASUREMENT_REPORT
					1119.	14:09:16.983	-95	24	15	1	10		5651.	GSM	Uplink	14:09:17.957	SACCH	MEASUREMENT_REPORT
					1120.	14:09:17.245	-96	24	15	1	10		5652.	GSM	Uplink	14:09:18.437	SACCH	MEASUREMENT_REPORT
					1121.	14:09:17.984	-95	24	15	1	10		5653.	GSM	Uplink	14:09:18.917	SACCH	MEASUREMENT_REPORT
					1122.	14:09:18.478	-92	24	15	1	10		5654.	GSM	Uplink	14:09:19.397	SACCH	MEASUREMENT_REPORT
					1123.	14:09:19.064	-94	24	15	1	10		5655.	GSM	Uplink	14:09:19.877	SACCH	MEASUREMENT_REPORT
					1124.	14:09:19.424	-93	24	15	1	10		5656.	GSM	Uplink	14:09:20.357	SACCH	MEASUREMENT_REPORT
					1125.	14:09:20.043	-91	24	15	1	10		5657.	GSM	Uplink	14:09:20.837	SACCH	MEASUREMENT_REPORT
					1126.	14:09:20.362	-94	24	15	1	10		5658.	GSM	Uplink	14:09:21.317	SACCH	MEASUREMENT_REPORT
					1127.	14:09:21.055	-87	24	15	1	10		5659.	GSM	Uplink	14:09:21.797	SACCH	MEASUREMENT_REPORT
					1128.	14:09:21.543	-91	24	15	1	10		5660.	GSM	Uplink	14:09:22.277	SACCH	MEASUREMENT_REPORT
					1129.	14:09:22.285	-94	24	15	1	10		5661.	GSM	Uplink	14:09:22.757	SACCH	MEASUREMENT_REPORT
					1130.	14:09:22.757	-93	24	15	1	10		5662.	GSM	Uplink	14:09:23.237	SACCH	MEASUREMENT_REPORT
					1131.	14:09:23.717	-94	24	15	1	10		5663.	GSM	Uplink	14:09:23.717	SACCH	MEASUREMENT_REPORT
					1132.	14:09:24.584	-94	24	15	1	10		5664.	GSM	Uplink	14:09:24.197	SACCH	MEASUREMENT_REPORT
					1133.	14:09:25.157	-93	24	15	1	10		5665.	GSM	Uplink	14:09:24.677	SACCH	MEASUREMENT_REPORT
					1134.	14:09:25.637	-96	24	15	1	10		5666.	GSM	Uplink	14:09:25.157	SACCH	MEASUREMENT_REPORT
					1135.	14:09:26.117	-96	24	15	1	10		5667.	GSM	Uplink	14:09:25.637	SACCH	MEASUREMENT_REPORT
					1136.	14:09:26.642							5668.	GSM	Uplink	14:09:26.117	SACCH	MEASUREMENT_REPORT
					1137.	14:09:30.305						0	5669.	GSM	Uplink	14:09:26.569	DCCH	CM_RE-ESTABLISHMENT_REQUEST
					1138.	14:09:30.365	-89	6	35	1	0		5670.	GSM	Downlink	14:09:26.974	BCCH	SYSTEM_INFORMATION_TYPE_3
					1139.	14:09:30.776						0	5671.	GSM	Downlink	14:09:28.146	BCCH	SYSTEM_INFORMATION_TYPE_4
					1140.	14:09:30.997	-91	6	35	1	0		5672.	GSM	Downlink	14:09:28.381	BCCH	SYSTEM_INFORMATION_TYPE_13
					1141.	14:09:31.247						4	5673.	GSM	Downlink	14:09:28.617	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
					1142.	14:09:31.306	-89	6	35	1	0		5674.	GSM	Downlink	14:09:28.857	BCCH	SYSTEM_INFORMATION_TYPE_3
					1143.	14:09:31.717						0	5675.	GSM	Downlink	14:09:29.092	BCCH	SYSTEM_INFORMATION_TYPE_4
					1144.	14:09:32.188	-85	6	35	1	0		5676.	GSM	Downlink	14:09:29.335	BCCH	SYSTEM_INFORMATION_TYPE_1
					1145.	14:09:32.659						0	5677.	GSM	Downlink	14:09:29.563	BCCH	SYSTEM_INFORMATION_TYPE_2
					1146.	14:09:33.055	-89	6	35	1	0		5678.	GSM	Uplink	14:09:29.577	DCCH	LOCATION_UPDATING_REQUEST
					1147.	14:09:33.129						0	5679.	GSM	Downlink	14:09:29.773	CCCH	IMMEDIATE_ASSIGNMENT

Analysis:

- This call drop event occurred on long call at 14:09:27:709 time when UE was latched with 2G network.
- After getting Alerting message at 14:08:04:359 time than Call drop happened.
- During the session UE was latched with ARFCN 24 and RF condition Rx Level -96 dBm is poor and Rx Qual 0 dB which is ok.
- As per the analysis call drop happened due to poor coverage of the network.

THANKS