

Seychelles Test Drive

Plaisance Phase-2 Report



Phase-1 Dates- 08th Oct 2024



Route Name: Mahe

District Name: Plaisance

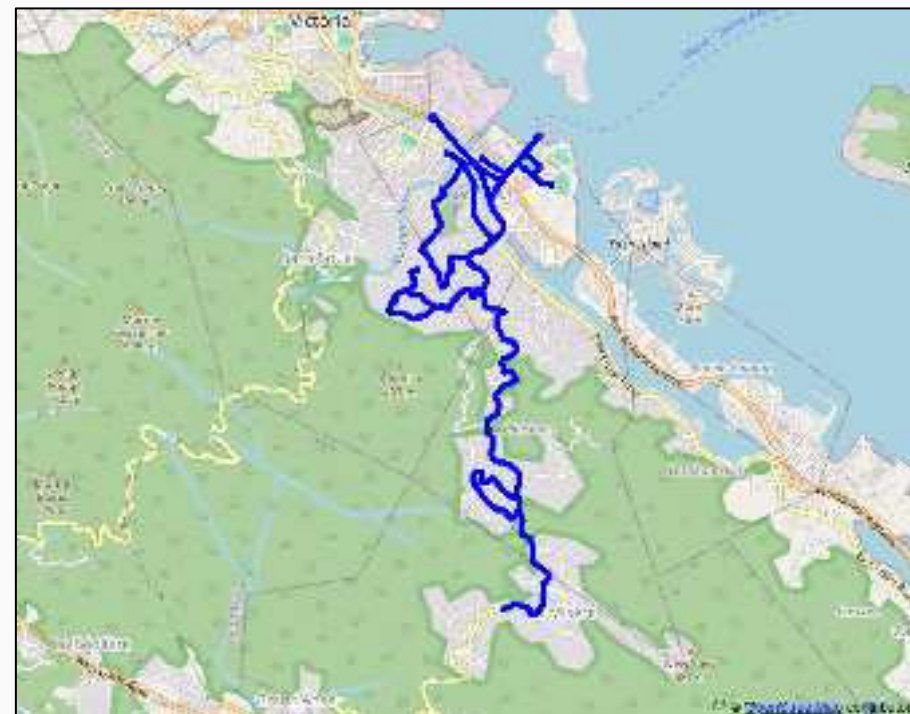
Region: Central

Island: Mahé

Drive Test Distance: 18.68 kms

Drive Test Duration: 00 hours,50 minutes,48 seconds

Phase-2 Dates- 21st Oct 2024



Route Name: Mahe

District Name: Plaisance

Region: Central

Island: Mahé

Drive Test Distance: 16.32 kms

Drive Test Duration: 00 hours,53 minutes,40 seconds

Phase-1**Short Call Findings:**

- The Call Setup Success Rate for Airtel is (96.77%), while for Operator CWS it is (100.00%).
- The Call Setup Time for Airtel is (6.80s) , while for Operator CWS it is (7.16s)

Long Call Findings :

- The Call Retainability for Airtel is (100.00%), while for CWS it is (100.00%).
- The MOS quality observed for Airtel is (3.15), and for CWS, it is (3.21).

Phase-2**Short Call Findings:**

- The Call Setup Success Rate for Airtel is (100.00%), while for Operator CWS it is (100.00%).
- The Call Setup Time for Airtel is (7.00s), while for Operator CWS it is (7.66s)

Long Call Findings :

- The Call Retainability for Airtel is (94.44%), while for CWS it is (100.00%).
- The MOS quality observed for Airtel is (3.10), and for CWS, it is (3.46).

Phase-1

4G Preferred Data Findings:

- Airtel SFTP DL is (12.46 Mbps), while SFTP UL is (6.01 Mbps), CWS SFTP DL is (5.53 Mbps), while SFTP UL is (3.15 Mbps)
- Airtel HTTP DL is (19.01 Mbps), HTTP Capacity DL is (24.56 Mbps) ,HTTP UL is (12.19 Mbps) , and HTTP Capacity UL is (19.00 Mbps).
- CWS HTTP DL is (7.28 Mbps), HTTP Capacity DL is (22.48 Mbps) ,HTTP UL is (6.63 Mbps) , and HTTP Capacity UL is (15.76 Mbps).
- On live web page testing for browsing, www.shein.com took (8.89s), www.nbs.gov.sc took (21.03s), and www.sbc.sc took (23.13s) on Airtel.
- On live web page testing for browsing, www.shein.com took (8.74s), www.nbs.gov.sc took (16.68s), and www.sbc.sc took (17.32s) on CWS.
- On static browsing, Kepler Webpage took (3.39s), and Kepler Mobile took (2.01s) on Airtel.
- On static browsing, Kepler Webpage took (5.81s), and Kepler Mobile took (2.85s) on CWS.
- YouTube average resolution in Airtel is (1050.46) pixels.
- YouTube average resolution in CWS is (1043.27) pixels.
- Airtel scored 58.19% in Carrier Aggregation (CA).
- CWS scored 26.64% in Carrier Aggregation (CA).

Phase-2

4G Preferred Data Findings:

- Airtel SFTP DL is (9.85 Mbps), while SFTP UL is (5.18 Mbps), CWS SFTP DL is (4.89 Mbps), while SFTP UL is (4.18 Mbps)
- Airtel HTTP DL is (10.93 Mbps), HTTP Capacity DL is (21.69 Mbps) ,HTTP UL is (6.14 Mbps) , and HTTP Capacity UL is (15.53 Mbps).
- CWS HTTP DL is (7.25 Mbps), HTTP Capacity DL is (21.21 Mbps) ,HTTP UL is (6.67 Mbps) , and HTTP Capacity UL is (10.99 Mbps).
- On live web page testing for browsing, www.shein.com took (8.58s), www.nbs.gov.sc took (18.49s), and www.sbc.sc took (20.67s) on Airtel.
- On live web page testing for browsing, www.shein.com took (8.78s), www.nbs.gov.sc took (16.98s), and www.sbc.sc took (19.22s) on CWS.
- On static browsing, Kepler Webpage took (4.45s), and Kepler Mobile took (1.90s) on Airtel.
- On static browsing, Kepler Webpage took (5.93s), and Kepler Mobile took (2.83s) on CWS.
- YouTube average resolution in Airtel is (1031.30) pixels.
- YouTube average resolution in CWS is (1037.43) pixels.
- Airtel scored 54.32% in Carrier Aggregation (CA).
- CWS scored 12.70% in Carrier Aggregation (CA).

Phase-1

3G Preferred Data Test Findings:

- Airtel SFTP DL is (5.16 Mbps), while SFTP UL is (1.85 Mbps), CWS SFTP DL is (2.97 Mbps), while SFTP UL is (1.03 Mbps)
- Airtel HTTP DL is (4.14 Mbps), HTTP Capacity DL is (5.69 Mbps) ,HTTP UL is (1.92 Mbps) , and HTTP Capacity UL is (4.65 Mbps).
- CWS HTTP DL is (3.37 Mbps), HTTP Capacity DL is (7.08 Mbps) ,HTTP UL is (1.40 Mbps) , and HTTP Capacity UL is (3.67 Mbps).
- On live web page testing for browsing, www.shein.com took (12.05s), www.nbs.gov.sc took (14.28s), and www.sbc.sc took (17.59s) on Airtel.
- On live web page testing for browsing, www.shein.com took (10.91s), www.nbs.gov.sc took (8.30s), and www.sbc.sc took (11.36s) on CWS.
- On static browsing, Kepler Webpage took (4.03s), and Kepler Mobile took (1.64s) on Airtel.
- On static browsing, Kepler Webpage took (5.81s), and Kepler Mobile took (2.33s) on CWS.
- YouTube average resolution in Airtel is (985.58) pixels.
- YouTube average resolution in CWS is (926.60) pixels.

Phase-2

3G Preferred Data Test Findings:

- Airtel SFTP DL is (4.04 Mbps), while SFTP UL is (1.83 Mbps), CWS SFTP DL is (2.76 Mbps), while SFTP UL is (1.20 Mbps)
- Airtel HTTP DL is (5.19 Mbps), HTTP Capacity DL is (5.79 Mbps) ,HTTP UL is (2.08 Mbps) , and HTTP Capacity UL is (4.86 Mbps).
- CWS HTTP DL is (2.69 Mbps), HTTP Capacity DL is (4.36 Mbps) ,HTTP UL is (1.91 Mbps) , and HTTP Capacity UL is (4.66 Mbps).
- On live web page testing for browsing, www.shein.com took (9.30s), www.nbs.gov.sc took (15.07s), and www.sbc.sc took (13.80s) on Airtel.
- On live web page testing for browsing, www.shein.com took (11.59s), www.nbs.gov.sc took (9.41s), and www.sbc.sc took (14.17s) on CWS.
- On static browsing, Kepler Webpage took (4.79s), and Kepler Mobile took (1.78s) on Airtel.
- On static browsing, Kepler Webpage took (7.51s), and Kepler Mobile took (4.18s) on CWS.
- YouTube average resolution in Airtel is (971.76) pixels.
- YouTube average resolution in CWS is (989.43) pixels.

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

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

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

VOICE TEST KPI STATISTICS (Short Call)

Phase-1

Short Call Statistics		
Short Call Scenario	Operator 1	Operator 2
Voice KPIs	Airtel	CWS
Call Attempt	62	59
Call Failed	2	0
Call Connected	60	59
CSSR[%]	96.77	100.00
USCSR[%]	3.23	0.00
CST [s] Alerting	6.80	7.16
CST [s]Connected	7.08	7.38

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)	6.80	7.16	1	2
CS calls CST (until ringing/alerting)	6.45	#N/A	1	#N/A
CSFB calls CST (until ringing/alerting)	6.82	7.16	1	2
Overall CST (until Connect/Connect Acknowledge)	7.08	7.38	1	2
CS calls CST (until Connect/Connect Acknowledge)	6.84	#N/A	1	#N/A
CSFB calls CST (until Connect/Connect Acknowledge)	7.09	7.38	1	2

Phase-2

Short Call Statistics		
Short Call Scenario	Operator 1	Operator 2
Voice KPIs	Airtel	CWS
Call Attempt	66	65
Call Failed	0	0
Call Connected	66	65
CSSR[%]	100.00	100.00
USCSR[%]	0.00	0.00
CST [s] Alerting	7.00	7.66
CST [s]Connected	7.24	7.86

Call Setup Time (s)	Operators		Rank	
	Airtel	CWS	Airtel	CWS
Overall CST (until ringing/alerting)	7.00	7.66	1	2
CS calls CST (until ringing/alerting)	7.44	N/A	1	N/A
CSFB calls CST (until ringing/alerting)	6.98	7.66	1	2
Overall CST (until Connect/Connect Acknowledge)	7.24	7.86	1	2
CS calls CST (until Connect/Connect Acknowledge)	7.81	N/A	1	N/A
CSFB calls CST (until Connect/Connect Acknowledge)	7.22	7.86	1	2

Phase-1

Long Call Statistics				
Long Call Scenario	Operator 1		Operator 2	
Voice KPIs	Airtel	CWS		
Call Connected	18	18		
Call Dropped	0	0		
Call Completed	18	18		
CRR[%]	100.00	100.00		
DCR[%]	0.00	0.00		
MOS	3.15	3.21		
	Airtel short call	CWS short call	Airtel long call	CWS long call
CSFB Calls	58	59	18	18
CS Calls	4	0	0	0
Handover Statistics		Airtel MO	CWS MO	
Handover Attempt		20	75	
Handover Failure		0	1	
Handover Success		20	74	
HOSR %		100.00	98.67	

Phase-2

Long Call Statistics				
Long Call Scenario	Operator 1		Operator 2	
Voice KPIs	Airte	CWS		
Call Connected	18	17		
Call Dropped	1	0		
Call Completed	17	17		
CRR[%]	94.44	100.00		
DCR[%]	5.56	0.00		
MOS	3.10	3.46		
	Airtel short call	CWS short call	Airtel long call	CWS long call
CSFB Calls	63	65	17	16
CS Calls	3	0	1	1
Handover Statistics		Airtel MO	CWS MO	
Handover Attempt		15	64	
Handover Failure		3	1	
Handover Success		12	63	
HOSR %		80.00	98.44	

DATA TEST KPI STATISTICS(4G Preferred)

DATA Scenario		Phase-1				Phase-2			
		Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)	Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	12.46	5.53	1	2	9.85	4.89	1	2
	SFTP UL(Mbps)	6.01	3.15	1	2	5.18	4.18	1	2
	HTTP DL(Mbps)	19.01	7.28	1	2	10.93	7.25	1	2
	HTTP UL(Mbps)	12.19	6.63	1	2	6.14	6.67	2	1
	HTTP Capacity DL(Mbps)	24.56	22.48	1	2	21.69	12.21	1	2
	HTTP Capacity UL(Mbps)	19	15.76	1	2	15.53	10.99	1	2
BROWSER	Overall Browser DL Time (s)	12.71	10.28	2	1	11.07	10.55	2	1
	Kepler Webpage DL Time (s)	3.99	5.81	1	2	4.45	5.93	1	2
	Mobile Kepler Webpage DL Time (s)	2.01	2.85	1	2	1.90	2.83	1	2
	www.shein.com Webpage DL Time (s)	8.89	8.74	2	1	8.58	8.78	1	2
	www.nbs.gov.sc Webpage DL Time (s)	21.03	16.68	2	1	18.49	16.98	2	1
	www.sbc.sc Webpage DL Time (s)	23.13	17.32	2	1	20.67	19.22	2	1
LATENCY	Avg Latency (ms)	257.06	310.39	1	2	267.35	206.02	2	1
	Median Latency (ms)	140	299	1	2	152	207	1	2
YOUTUBE	YouTube Access Time (s)	5.12	1.85	2	1	7.24	2.04	2	1
	YouTube Average Resolution (pixels)	1050.46	1043.27	1	2	1031.30	1037.43	2	1
	YouTube Success Ratio [%]	100	100	1	1	100.00	100.00	1	1

Phase-1

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	10	10	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	10	10	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP DL	Success	10	10	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	10	10	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity DL	Success	8	8	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	8	6	100.00	100.00
	Failure	0	0	0.00	0.00

Phase-2

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	9	10	90.00	100.00
	Failure	1	0	10.00	0.00
SFTP UL	Success	9	9	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP DL	Success	10	10	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	9	10	90.00	100.00
	Failure	1	0	10.00	0.00
HTTP Capacity DL	Success	9	9	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	9	9	100.00	100.00
	Failure	0	0	0.00	0.00

Phase-1

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	6	9	60.00	100.00
	Failure	4	0	40.00	0.00
Mobile Kepler	Success	8	8	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	8	9	88.89	100.00
	Failure	1	0	11.11	0.00
www.nbs.gov.sc	Success	9	9	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	9	8	100.00	88.89
	Failure	0	1	0.00	11.11

Phase-2

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	8	9	80.00	100.00
	Failure	2	0	20.00	0.00
Mobile Kepler	Success	9	9	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	10	9	100.00	100.00
	Failure	0	0	0.00	0.00
www.nbs.gov.sc	Success	10	9	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	9	8	90.00	88.89
	Failure	1	1	10.00	11.11

Phase-1

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	18	18
	Average Latency [ms]	257.11	298.17
	Median Latency [ms]	144	249
	Ping session status: Successful	18	18
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
www.google.com	Average Latency [ms]	420.00	255.75
	Median Latency [ms]	423	178
	Ping session status: Successful	8	8
	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]	126.80	332.10
	Median Latency [ms]	125	324
	Ping session status: Successful	10	10
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00

Phase-2

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	19	18
	Average Latency [ms]	260.79	215.44
	Median Latency [ms]	150	216
	Ping session status: Successful	19	18
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	1
	Packet Loss<1%	0.00	5.26
www.google.com	Average Latency [ms]	405.33	184.44
	Median Latency [ms]	399	170
	Ping session status: Successful	9	9
	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]	130.70	246.44
	Median Latency [ms]	129	231
	Ping session status: Successful	10	9
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	1
	Packet Loss<1%	0.00	10.00

Phase-1

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	10	10
Success(Count)	10	10
Failure(Count)	0	0
YouTube Access Time (s)	5.12	1.85
YouTube Average Resolution (pixels)	1050.46	1043.27
YouTube Success Ratio [%]	100.00	100.00

Phase-2

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	10	10
Success(Count)	10	10
Failure(Count)	0	0
YouTube Access Time (s)	7.24	2.04
YouTube Average Resolution (pixels)	1031.30	1037.43
YouTube Success Ratio [%]	100.00	100.00

DATA TEST KPI STATISTICS (3G Preferred)

DATA Scenario		Phase-1				Phase-2			
		Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)	Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	5.16	2.97	1	2	4.04	2.76	1	2
	SFTP UL(Mbps)	1.85	1.03	1	2	1.83	1.20	1	2
	HTTP DL(Mbps)	4.14	3.37	1	2	5.19	2.69	1	2
	HTTP UL(Mbps)	1.92	1.4	1	2	2.08	1.91	1	2
	HTTP Capacity DL(Mbps)	5.69	7.08	2	1	5.79	4.36	1	2
	HTTP Capacity UL(Mbps)	4.65	3.67	1	2	4.86	4.66	1	2
BROWSER	Overall Browser DL Time (s)	9.82	3.59	2	1	8.94	9.25	1	2
	Kepler Webpage DL Time (s)	4.03	5.81	1	2	4.79	7.51	1	2
	Mobile Kepler Webpage DL Time (s)	1.64	2.33	1	2	1.78	4.18	1	2
	www.shein.com Webpage DL Time (s)	12.05	10.91	2	1	9.30	11.59	1	2
	www.nbs.gov.sc Webpage DL Time (s)	14.28	8.3	2	1	15.07	9.41	2	1
	www.sbc.sc Webpage DL Time (s)	17.59	11.36	2	1	13.80	14.17	1	2
LATENCY	Avg Latency (ms)	258.51	218.57	2	1	304.00	197.06	2	1
	Median Latency (ms)	152	198	1	2	393.5	197	2	1
YOUTUBE	YouTube Access Time (s)	3.52	2.26	2	1	3.63	2.16	2	1
	YouTube Average Resolution (pixels)	985.58	926.6	1	2	971.76	989.43	2	1
	YouTube Success Ratio [%]	100	80	1	2	100.00	88.89	1	2

Phase-1

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G (%)	CWS 3G (%)
SFTP DL	Success	10	7	100.00	87.50
	Failure	0	1	0.00	12.50
SFTP UL	Success	10	8	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP DL	Success	10	9	100.00	90.00
	Failure	0	1	0.00	10.00
HTTP UL	Success	10	10	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity DL	Success	6	6	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	6	6	100.00	100.00
	Failure	0	0	0.00	0.00

Phase-2

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G (%)	CWS 3G (%)
SFTP DL	Success	10	8	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	10	7	100.00	87.50
	Failure	0	1	0.00	12.50
HTTP DL	Success	9	8	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	9	9	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity DL	Success	9	8	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	9	8	100.00	100.00
	Failure	0	0	0.00	0.00

Phase-1

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	8	6	100.00	85.71
	Failure	0	1	0.00	14.29
Mobile Kepler	Success	6	6	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	8	6	100.00	85.71
	Failure	0	1	0.00	14.29
www.nbs.gov.sc	Success	7	5	87.50	83.33
	Failure	1	1	12.50	16.67
www.sbc.sc	Success	6	5	100.00	100.00
	Failure	0	0	0.00	0.00

Phase-2

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	9	8	100.00	100.00
	Failure	0	0	0.00	0.00
Mobile Kepler	Success	9	7	100.00	87.50
	Failure	0	1	0.00	12.50
www.shein.com	Success	8	8	88.89	100.00
	Failure	1	0	11.11	0.00
www.nbs.gov.sc	Success	9	7	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	9	6	100.00	75.00
	Failure	0	2	0.00	25.00

Phase-1

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	11	15
	Average Latency [ms]	363.55	209.13
	Median Latency [ms]	406	209
	Ping session status: Successful	11	15
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	4	1
	Packet Loss<1%	26.67	6.25
www.google.com	Average Latency [ms]	417.67	158.50
	Median Latency [ms]	418	140
	Ping session status: Successful	6	6
	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]	298.60	242.89
	Median Latency [ms]	309	214
	Ping session status: Successful	5	9
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	4	1
	Packet Loss<1%	44.44	10.00

Phase-2

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	16	16
	Average Latency [ms]	342.69	183.81
	Median Latency [ms]	399	197
	Ping session status: Successful	16	17
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	2	0
	Packet Loss<1%	11.11	0.00
www.google.com	Average Latency [ms]	437.78	144.88
	Median Latency [ms]	417	141
	Ping session status: Successful	9	8
	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]	220.43	222.75
	Median Latency [ms]	128	202
	Ping session status: Successful	7	8
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	2	0
	Packet Loss<1%	22.22	0.00

Phase-1

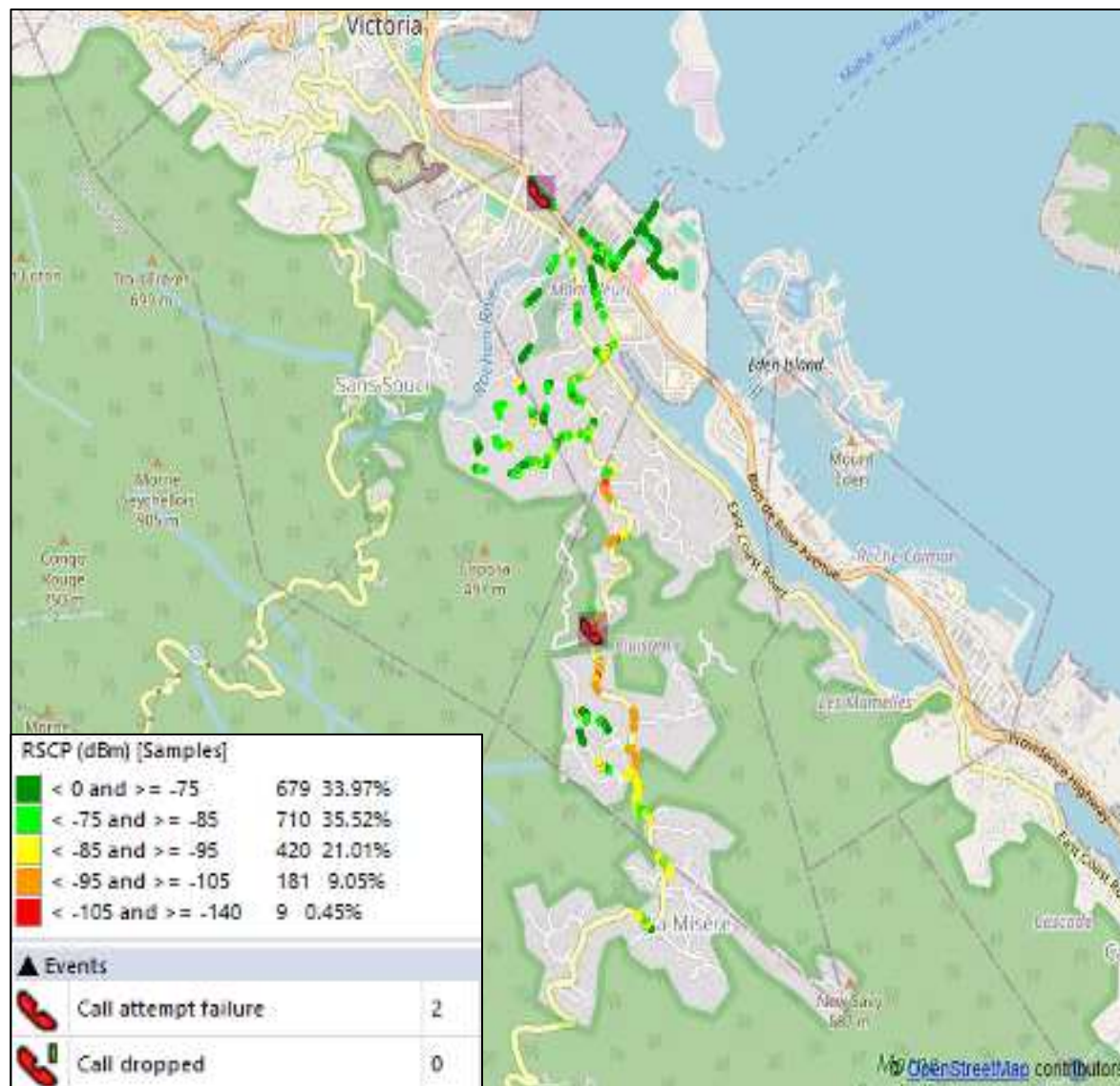
UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	10	10
Success(Count)	10	9
Failure(Count)	0	1
YouTube Access Time (s)	3.52	2.26
YouTube Average Resolution (pixels)	985.58	926.60
YouTube Success Ratio [%]	100.00	80.00

Phase-2

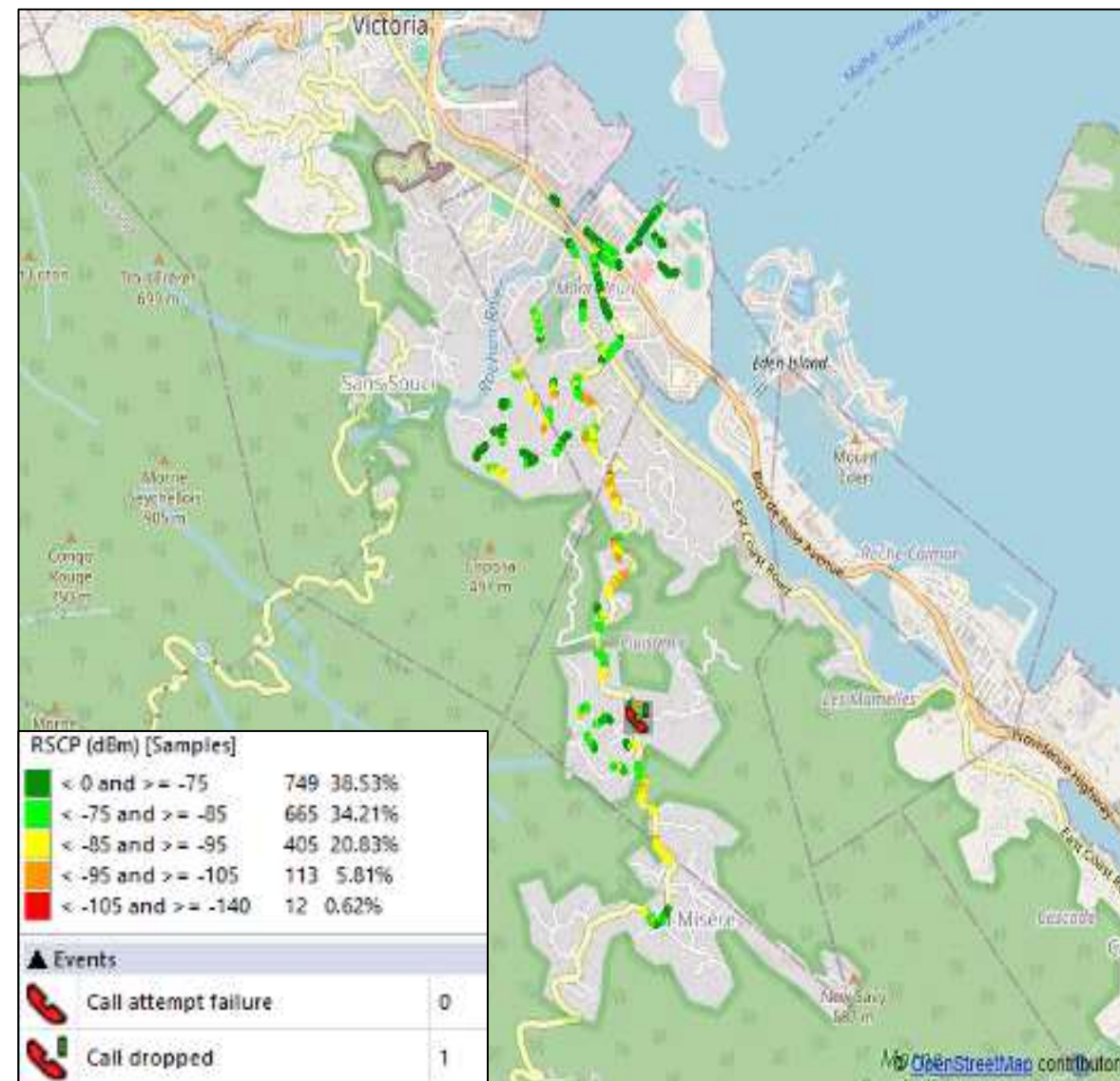
UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	9	9
Success(Count)	9	8
Failure(Count)	0	1
YouTube Access Time (s)	3.63	2.16
YouTube Average Resolution (pixels)	971.76	989.43
YouTube Success Ratio [%]	100.00	88.89

Voice Call Events

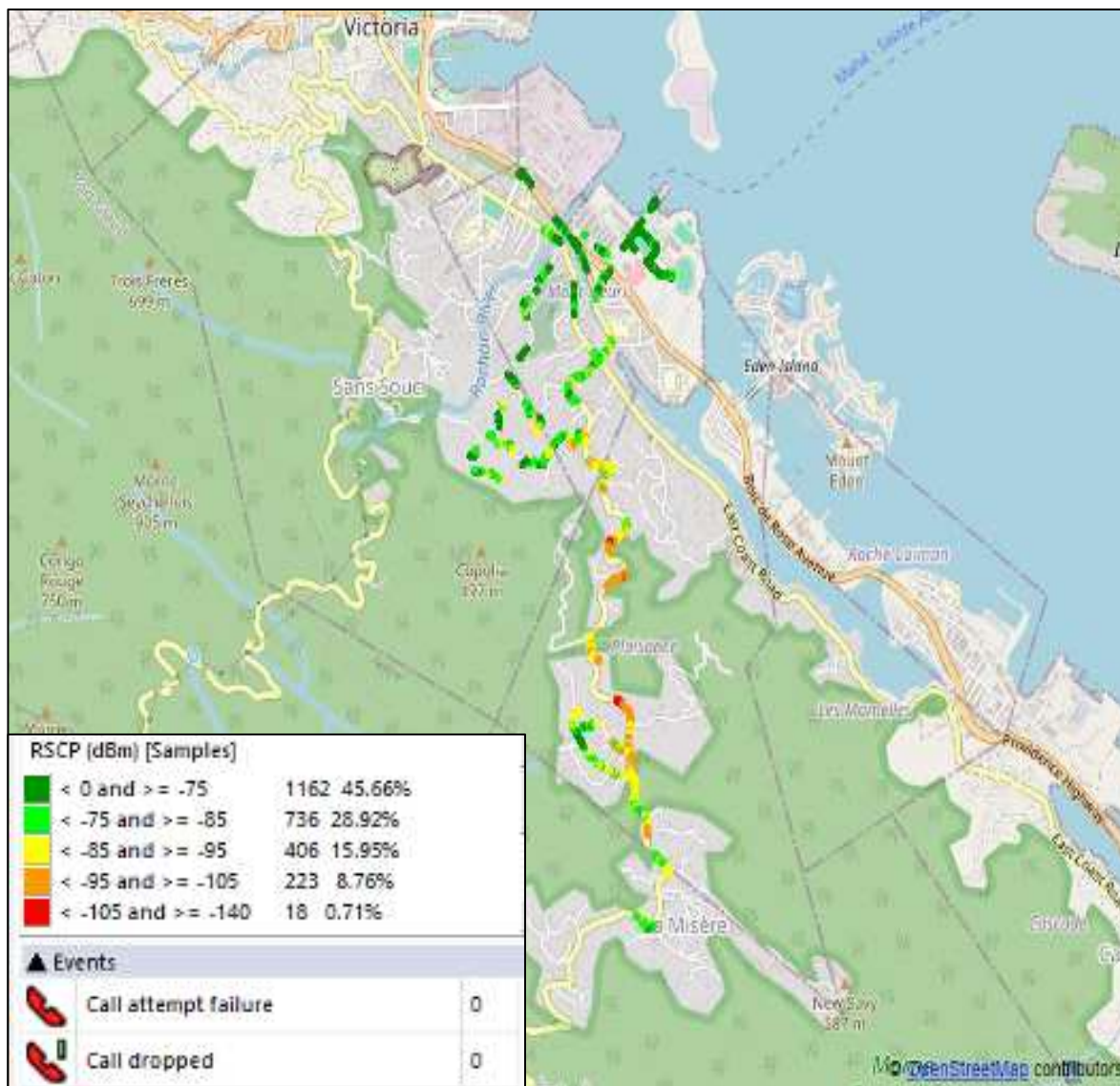
Airtel SC MO



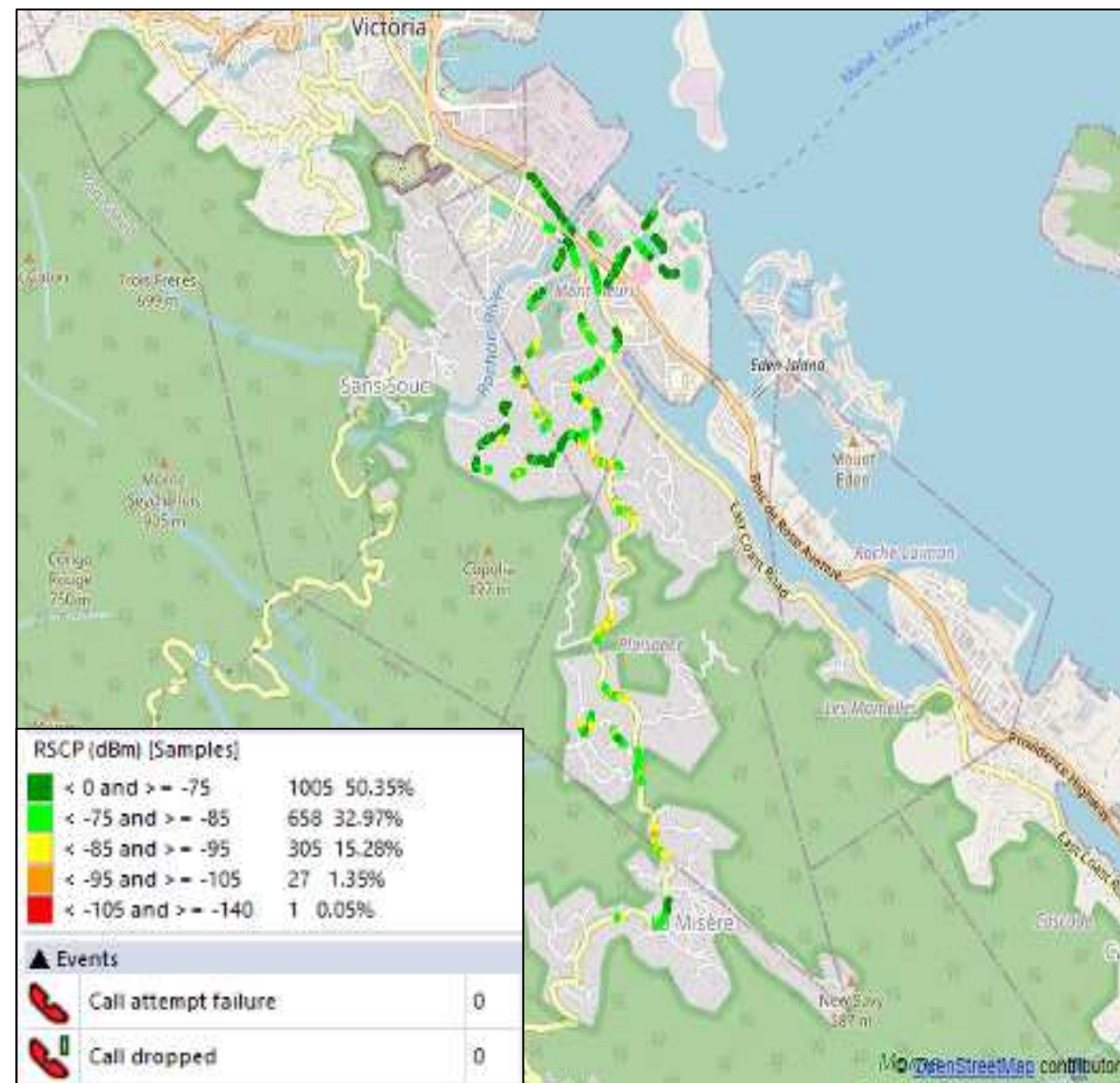
CWS SC MO



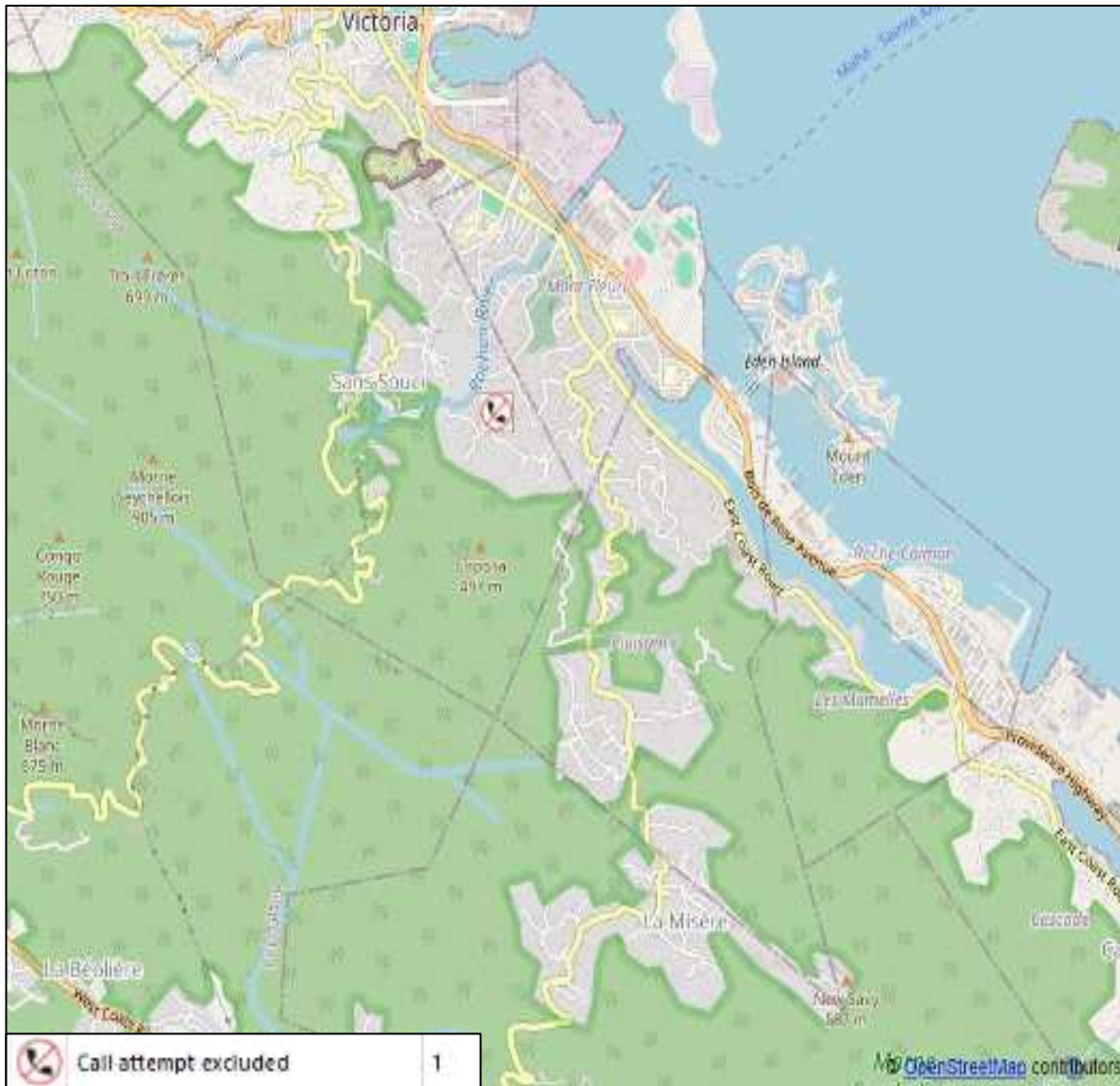
Airtel SC MO



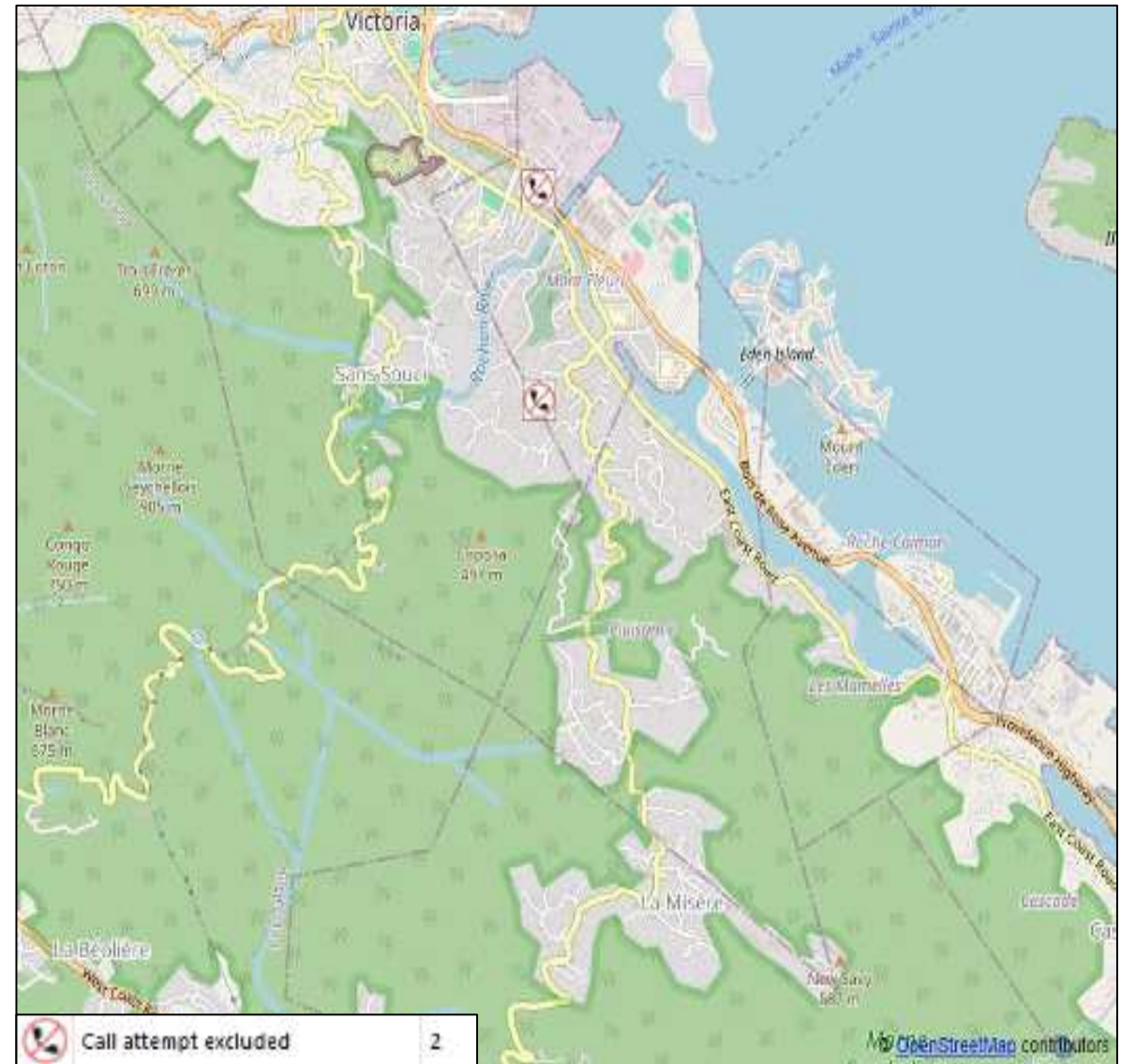
CWS SC MO



Airtel SC MO



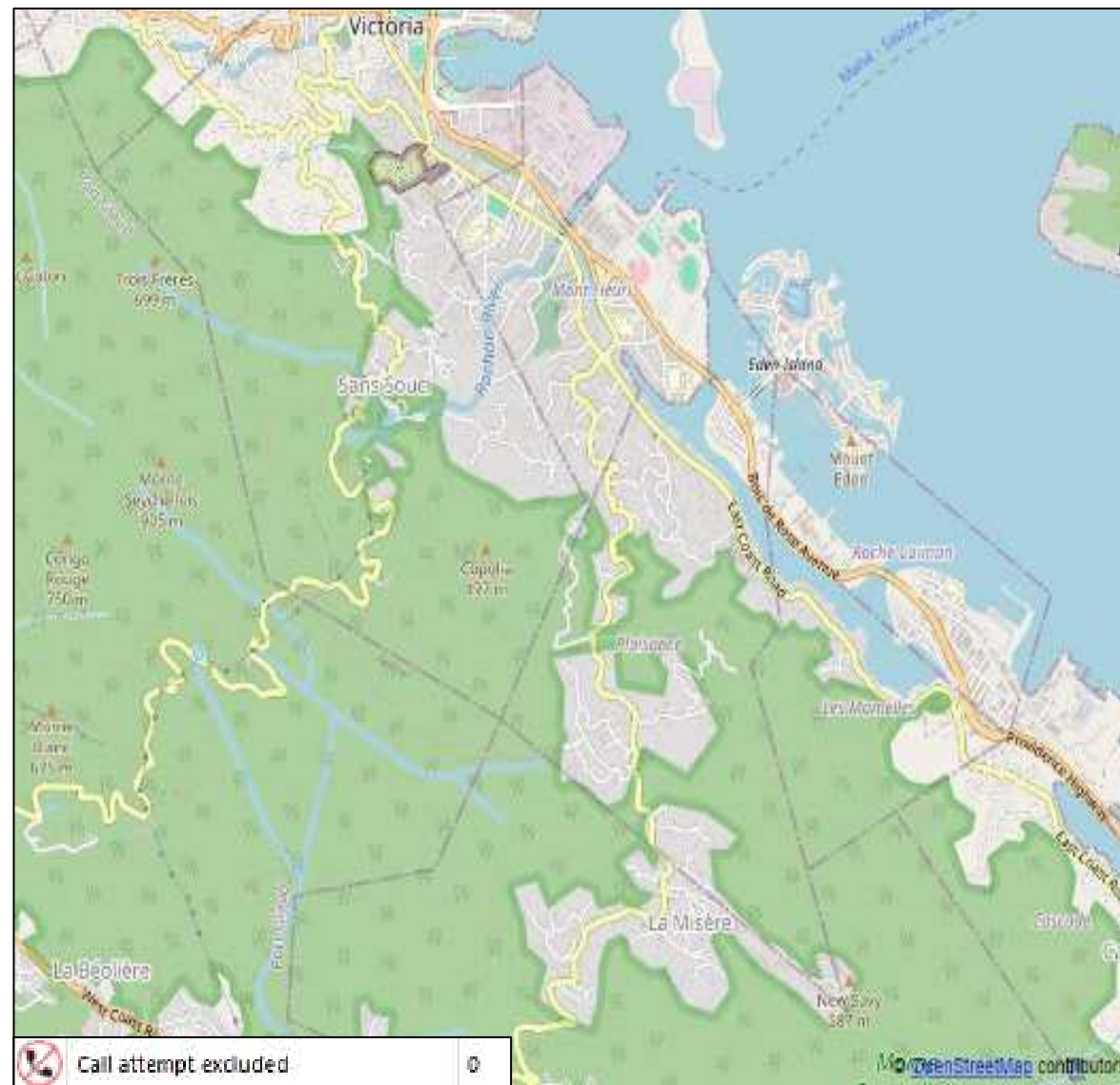
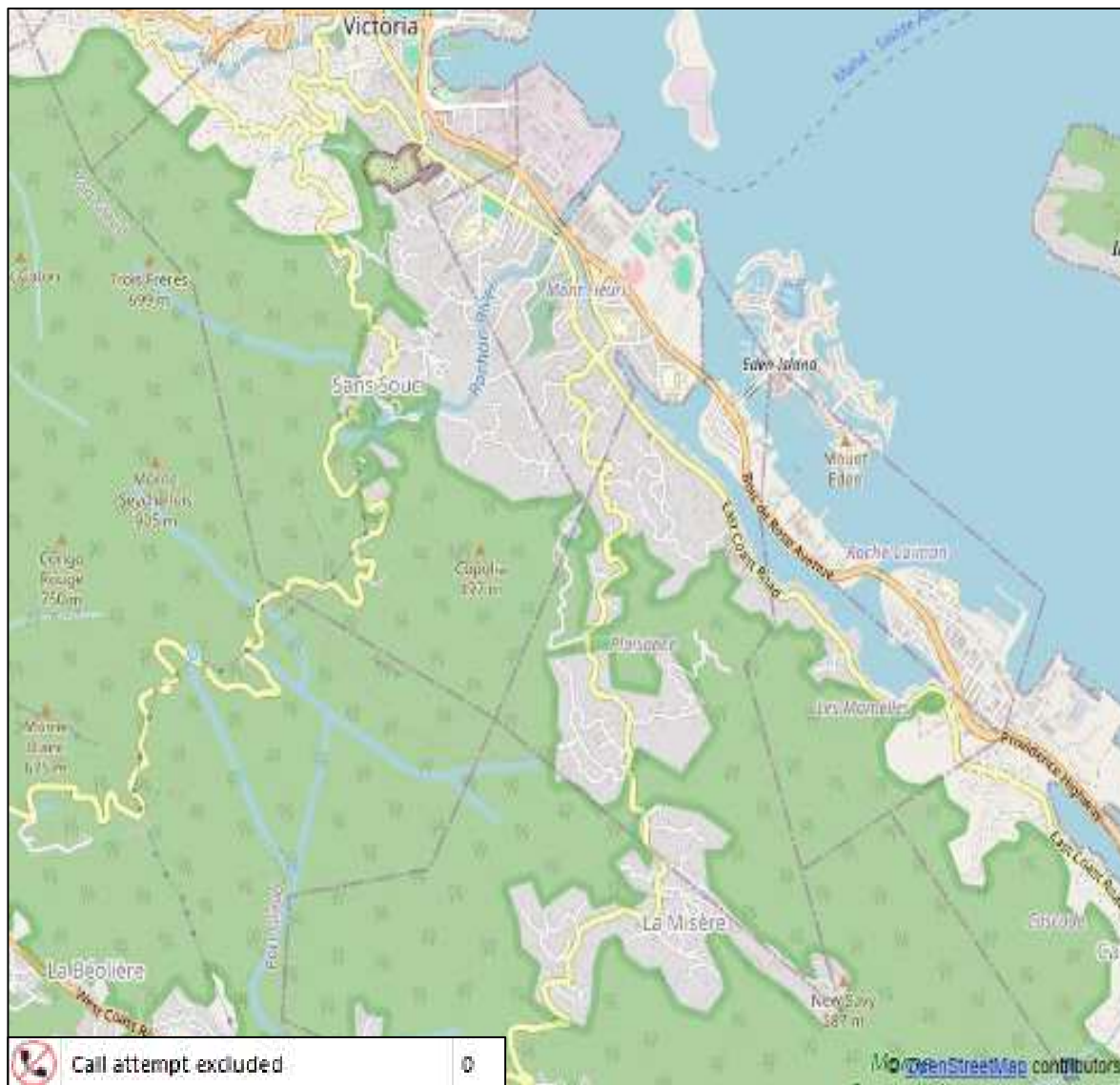
CWS SC MO



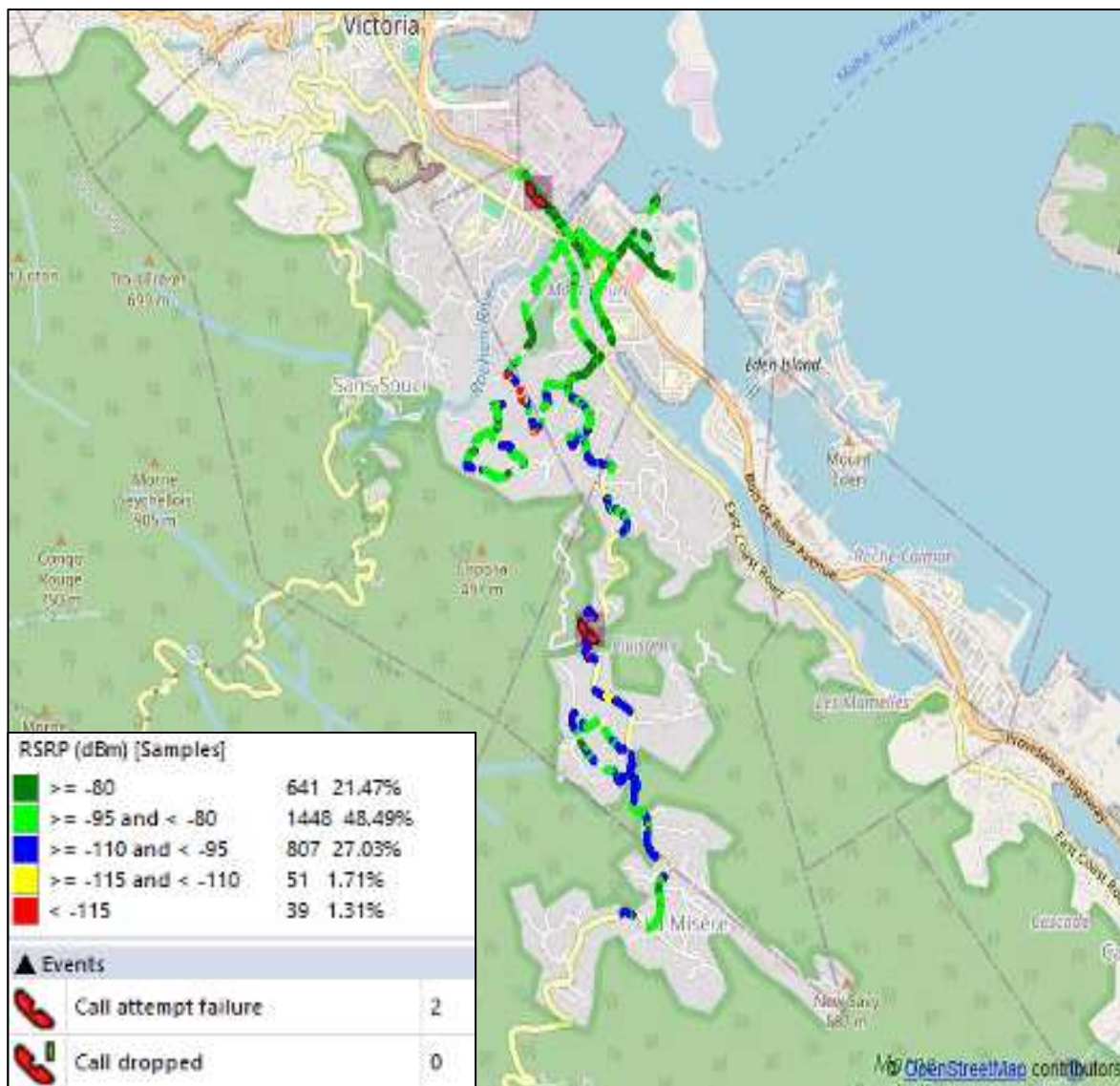
Phase-2 SHORT CALL EXCLUDED EVENTS

Airtel SC MO

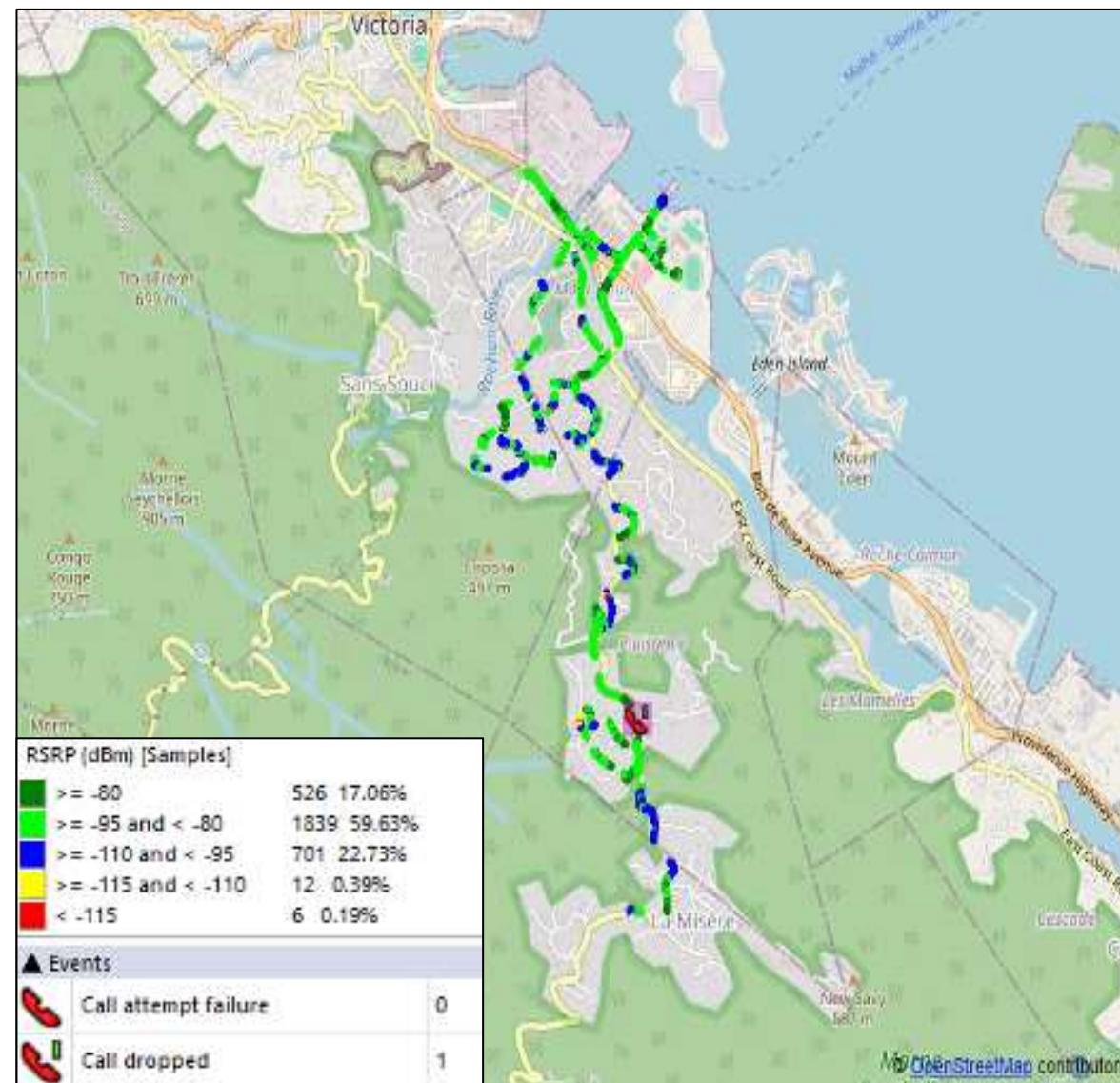
CWS SC MO



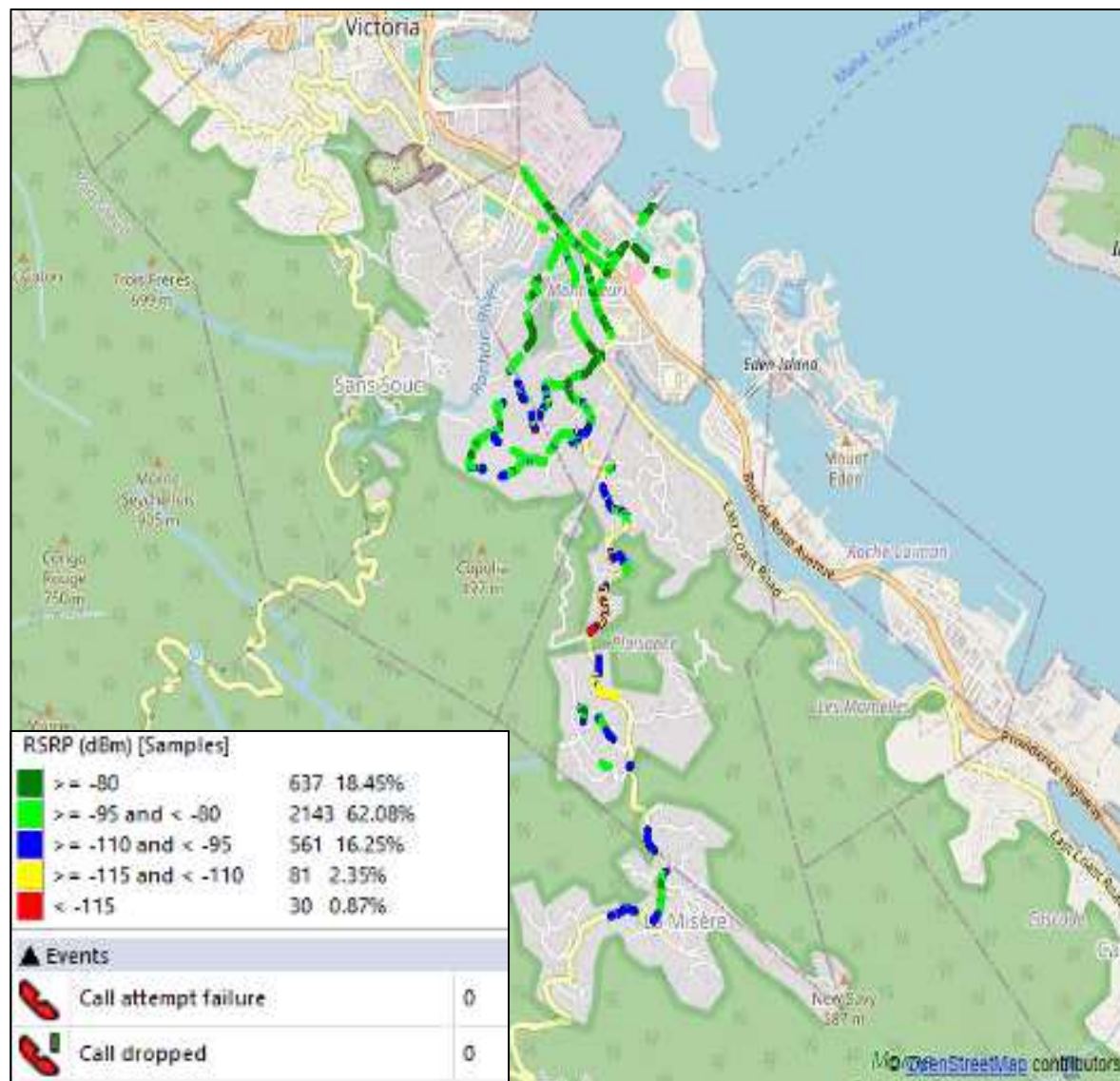
Airtel SC MO



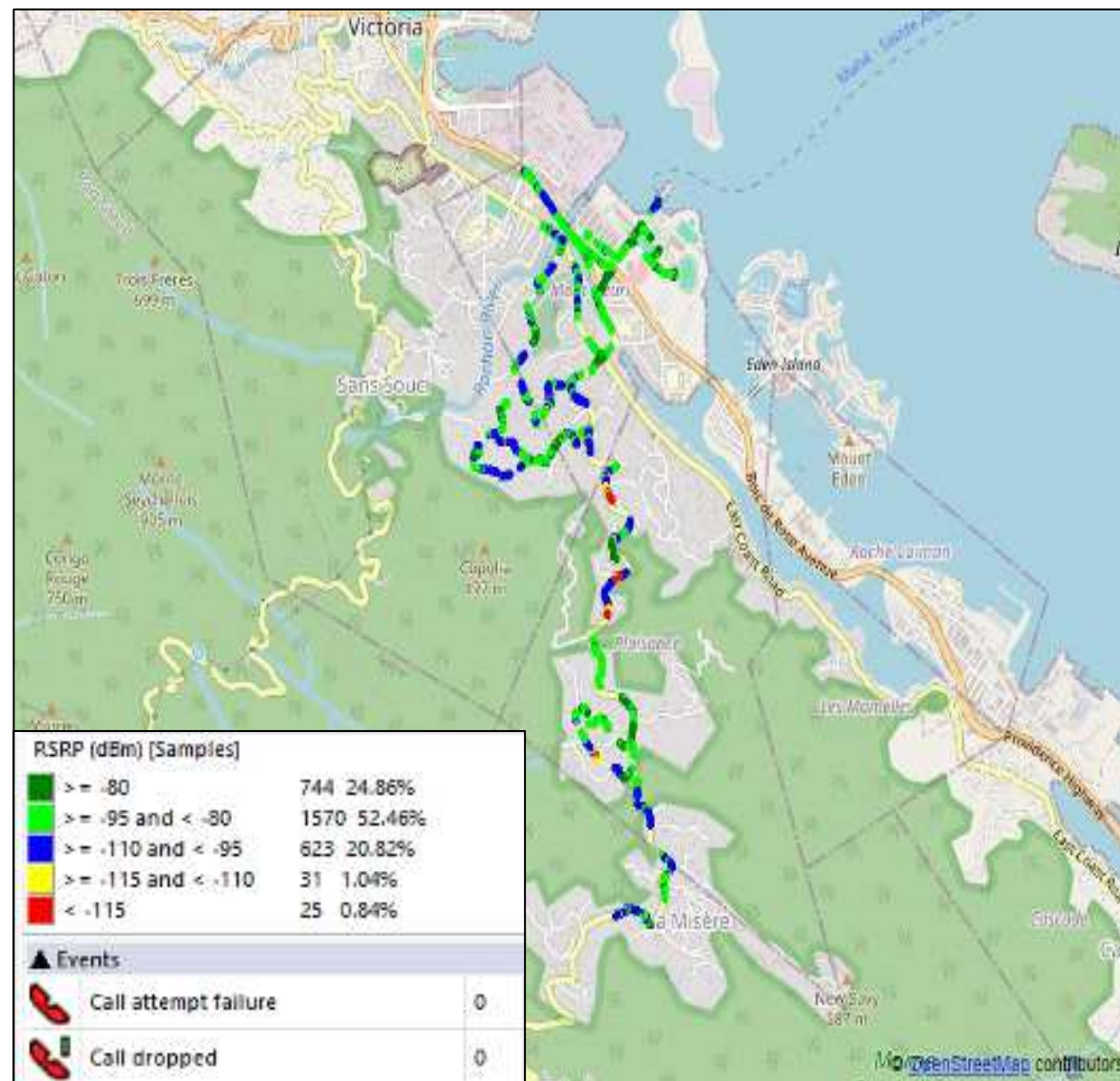
CWS SC MO



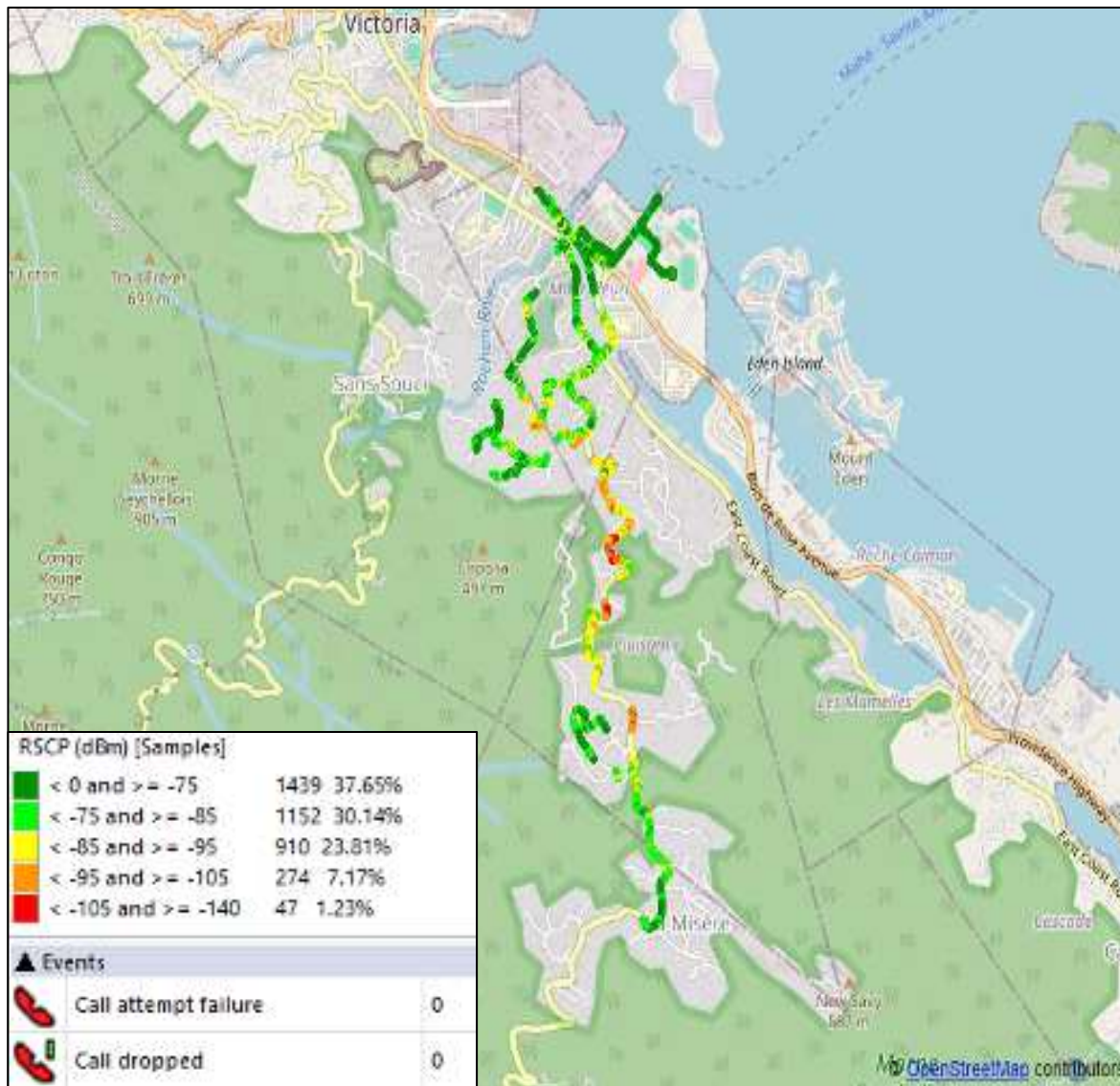
Airtel SC MO



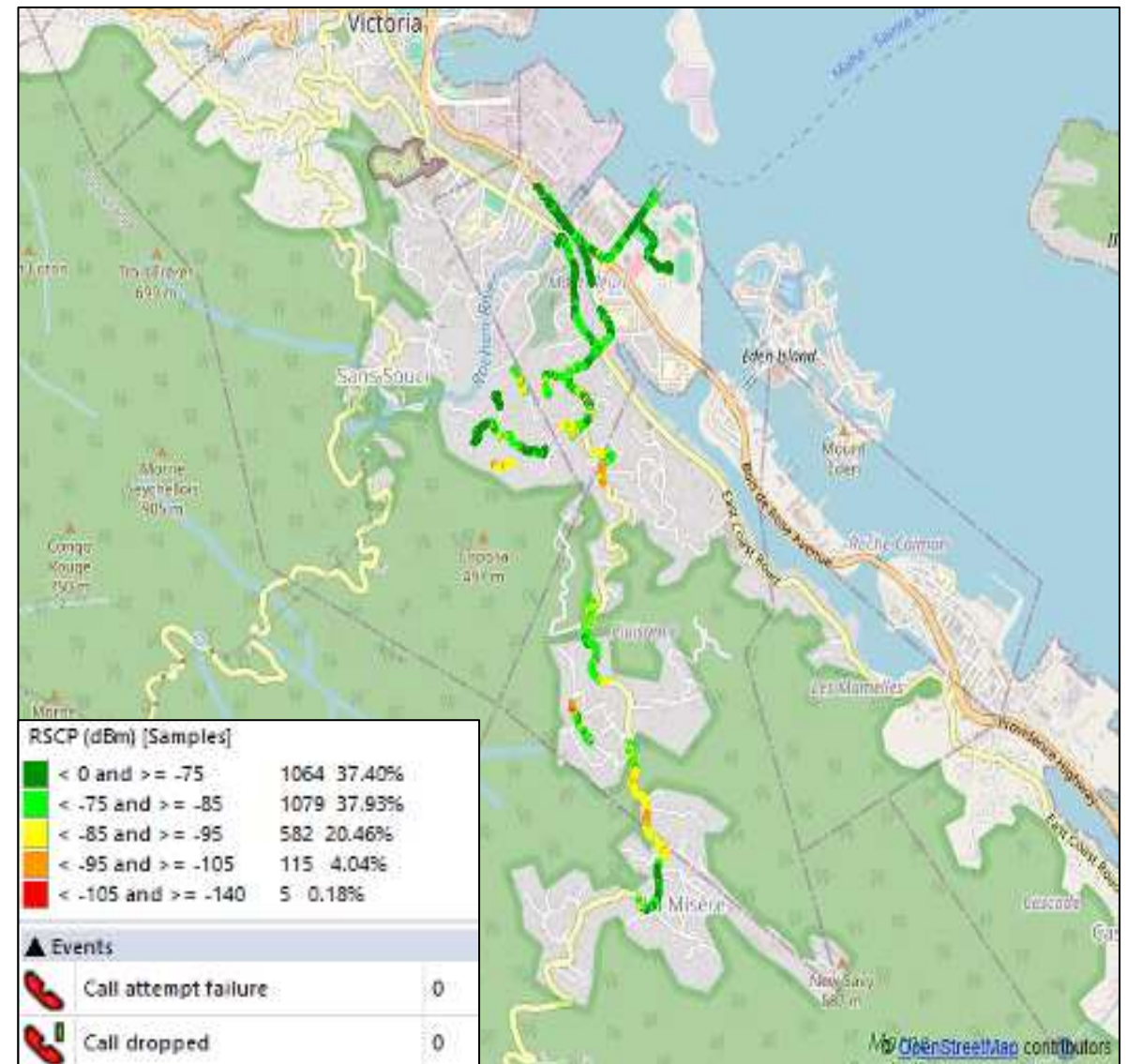
CWS SC MO



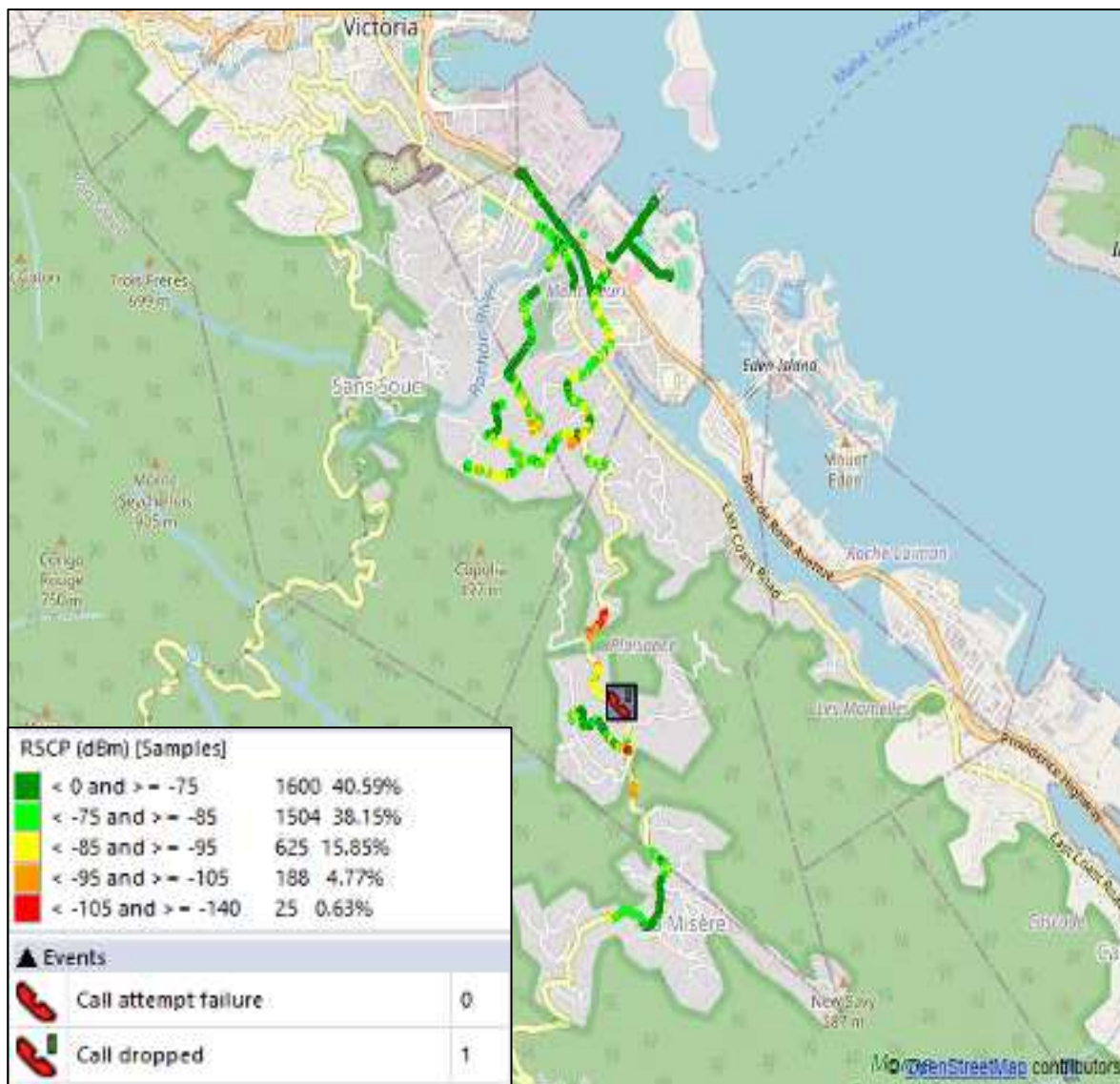
Airtel LC MO



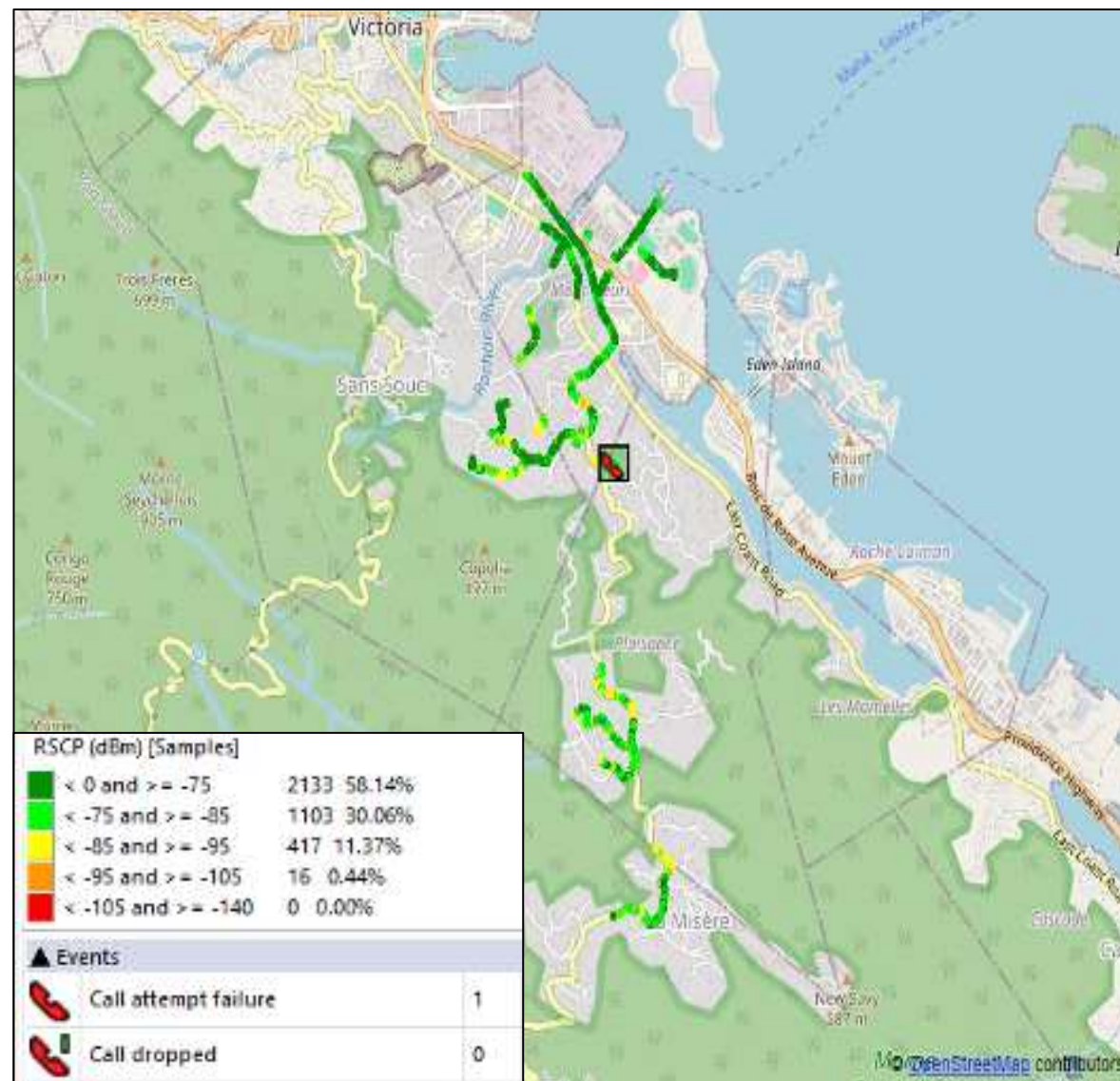
CWS LC MO



Airtel LC MO

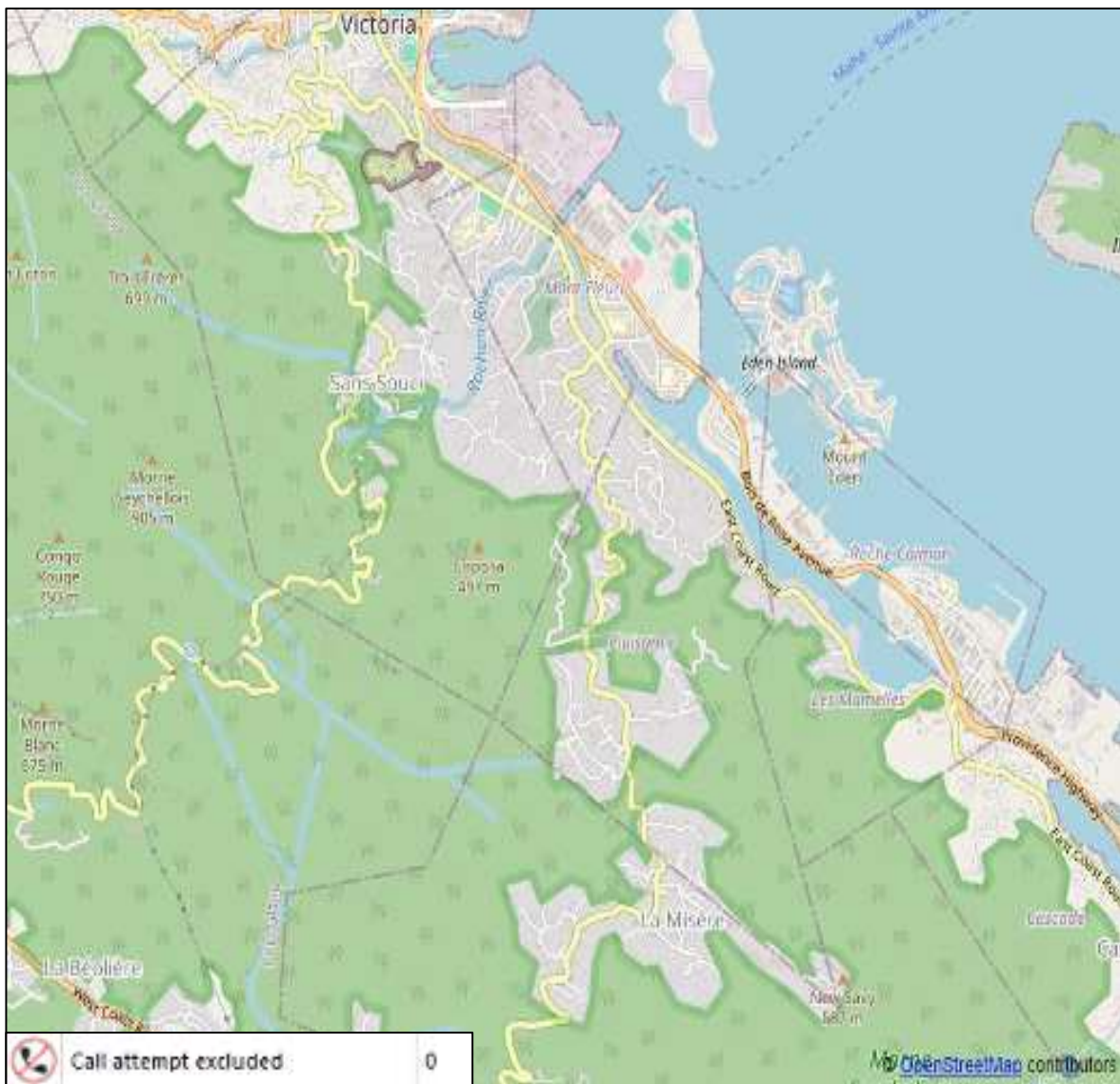


CWS LC MO

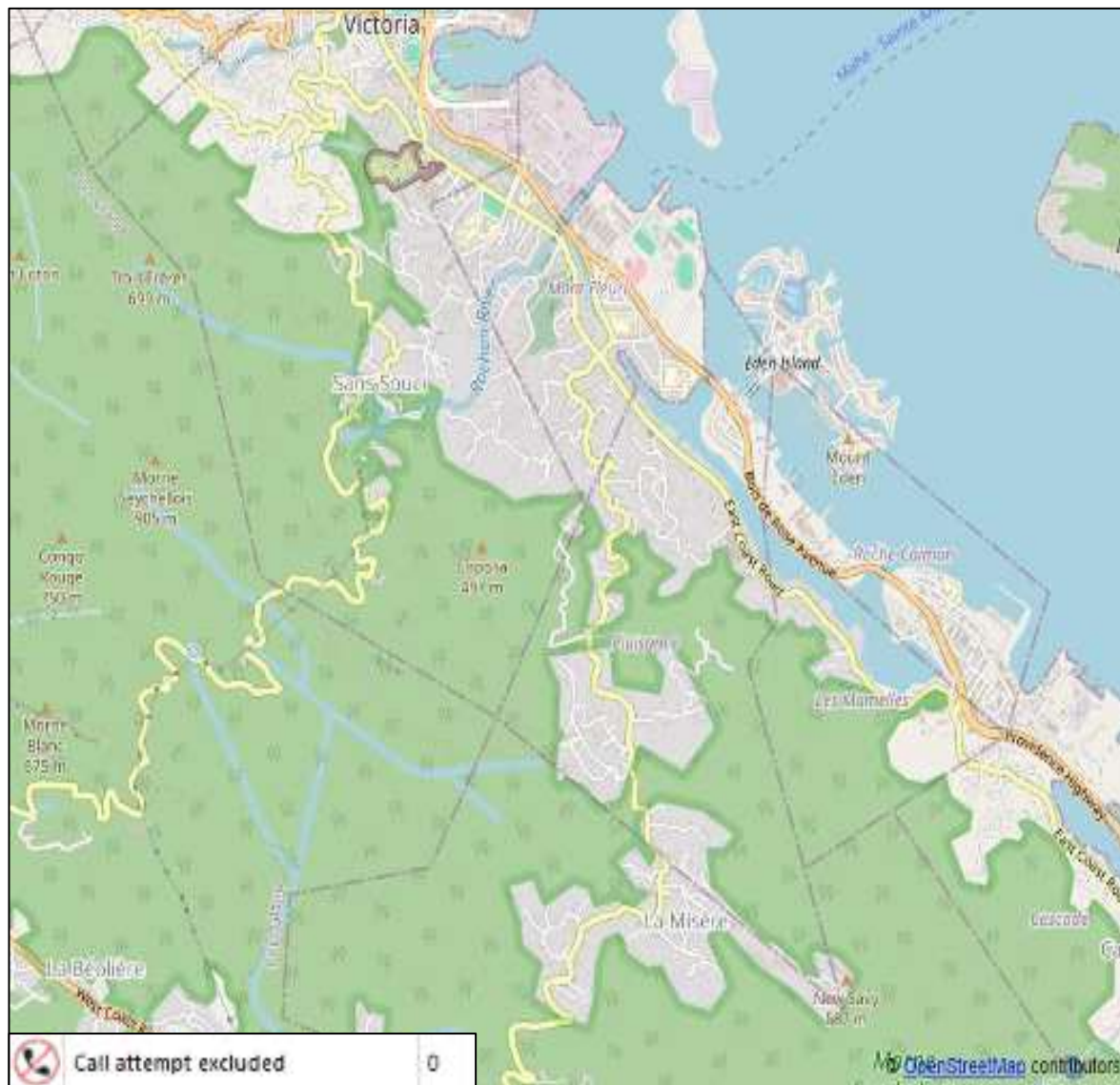


Phase-1 LONG CALL EXCLUDED EVENTS

Airtel LC MO

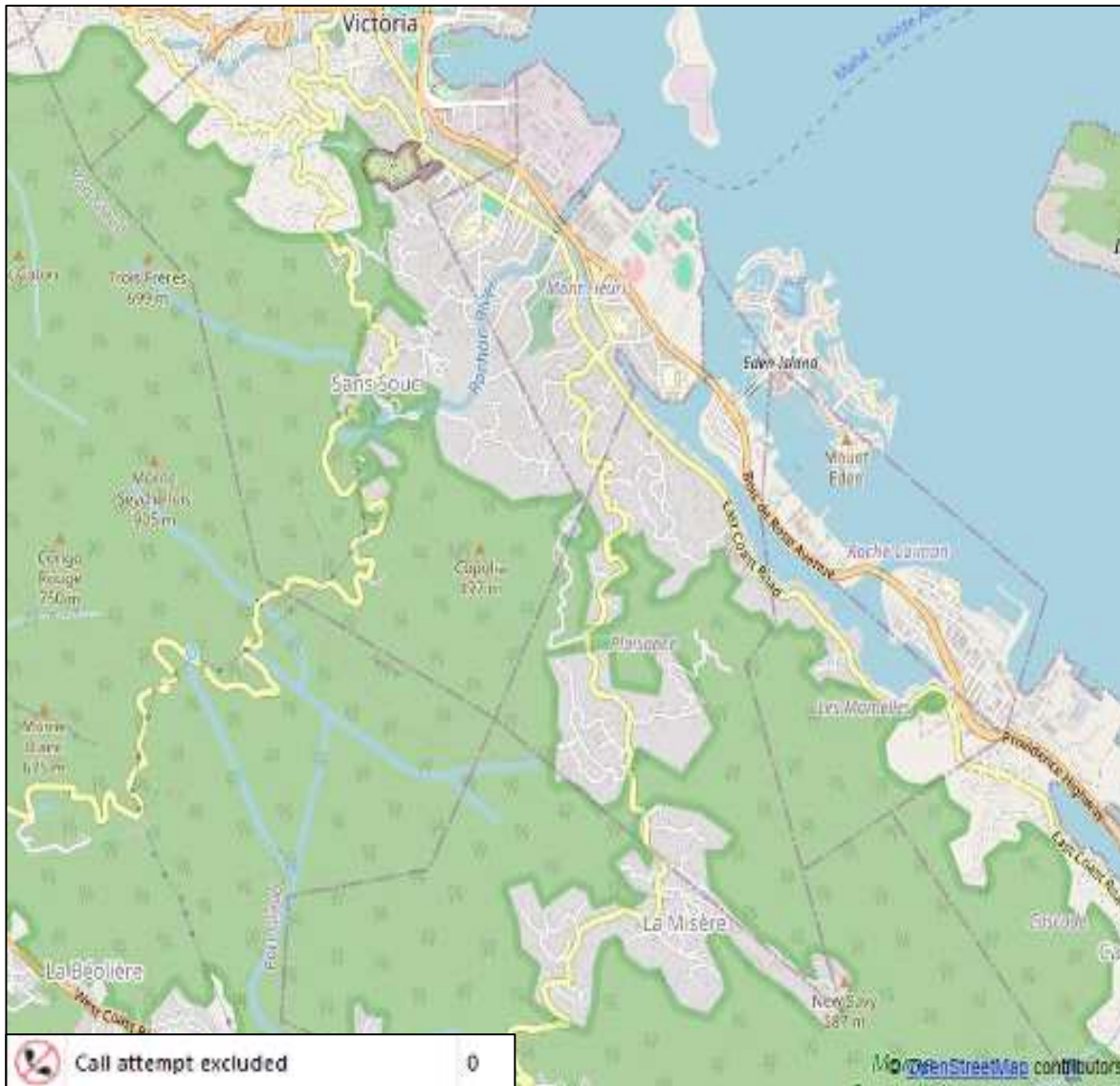


CWS LC MO

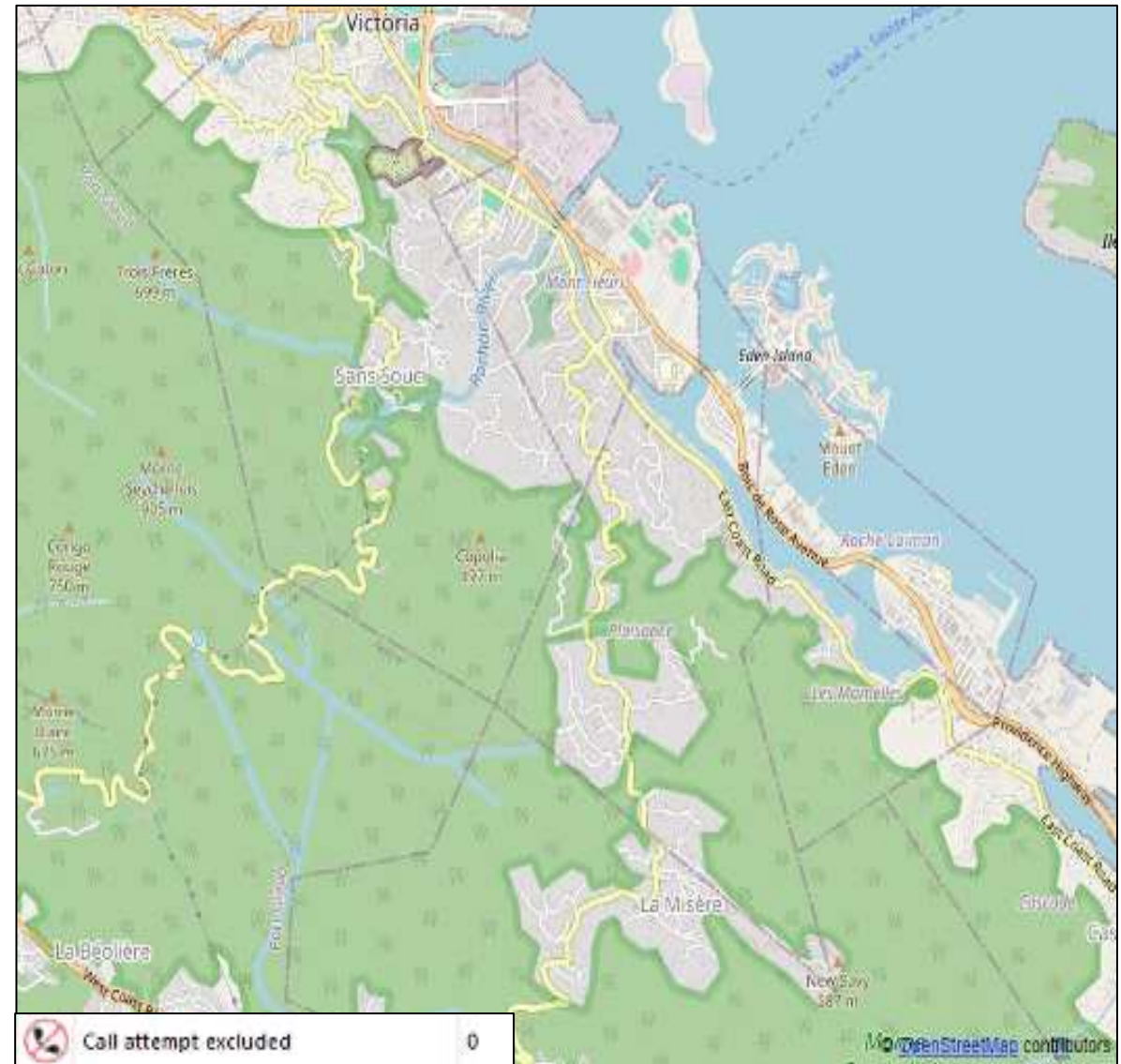


Phase-2 LONG CALL EXCLUDED EVENTS

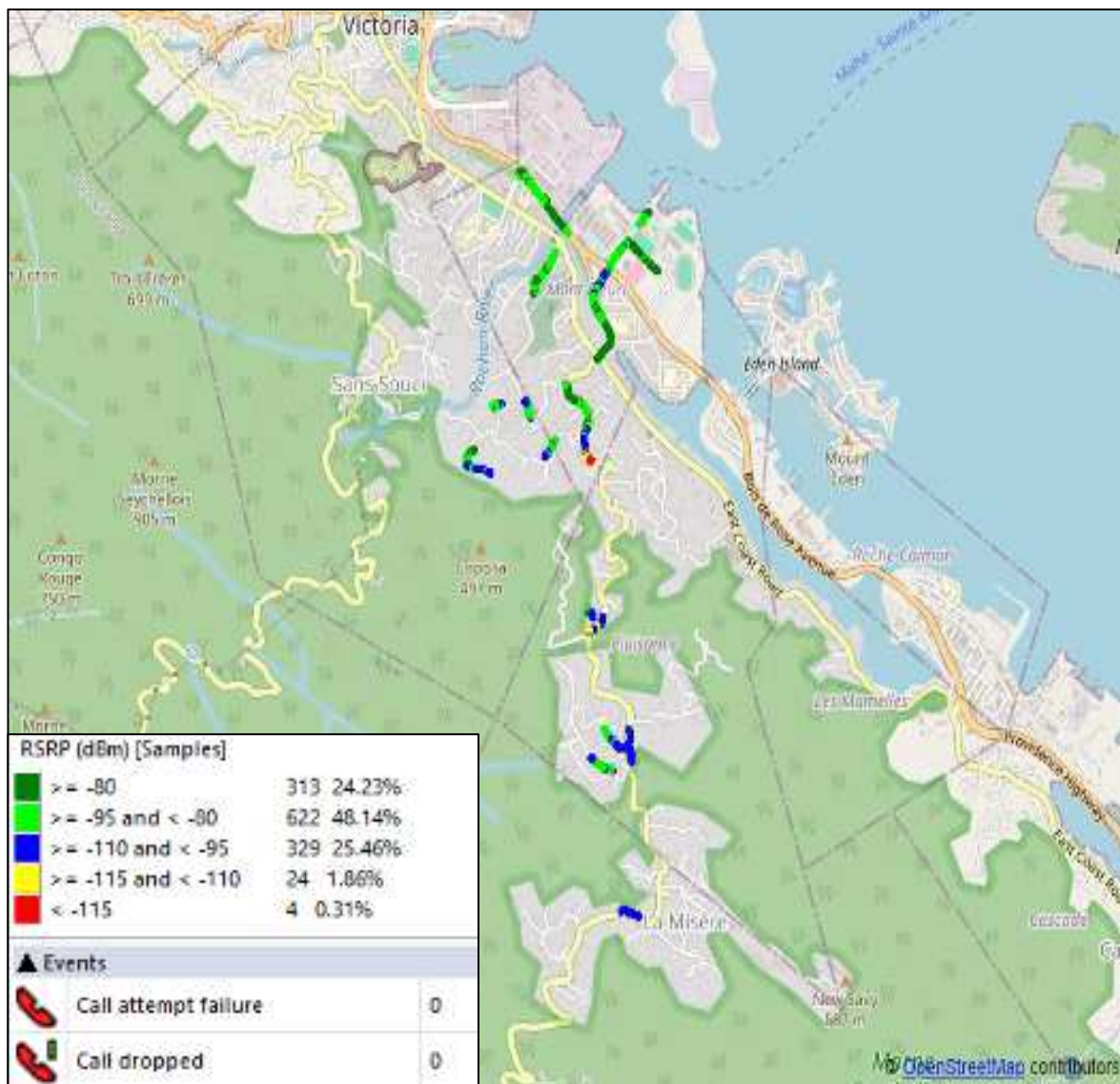
Airtel LC MO



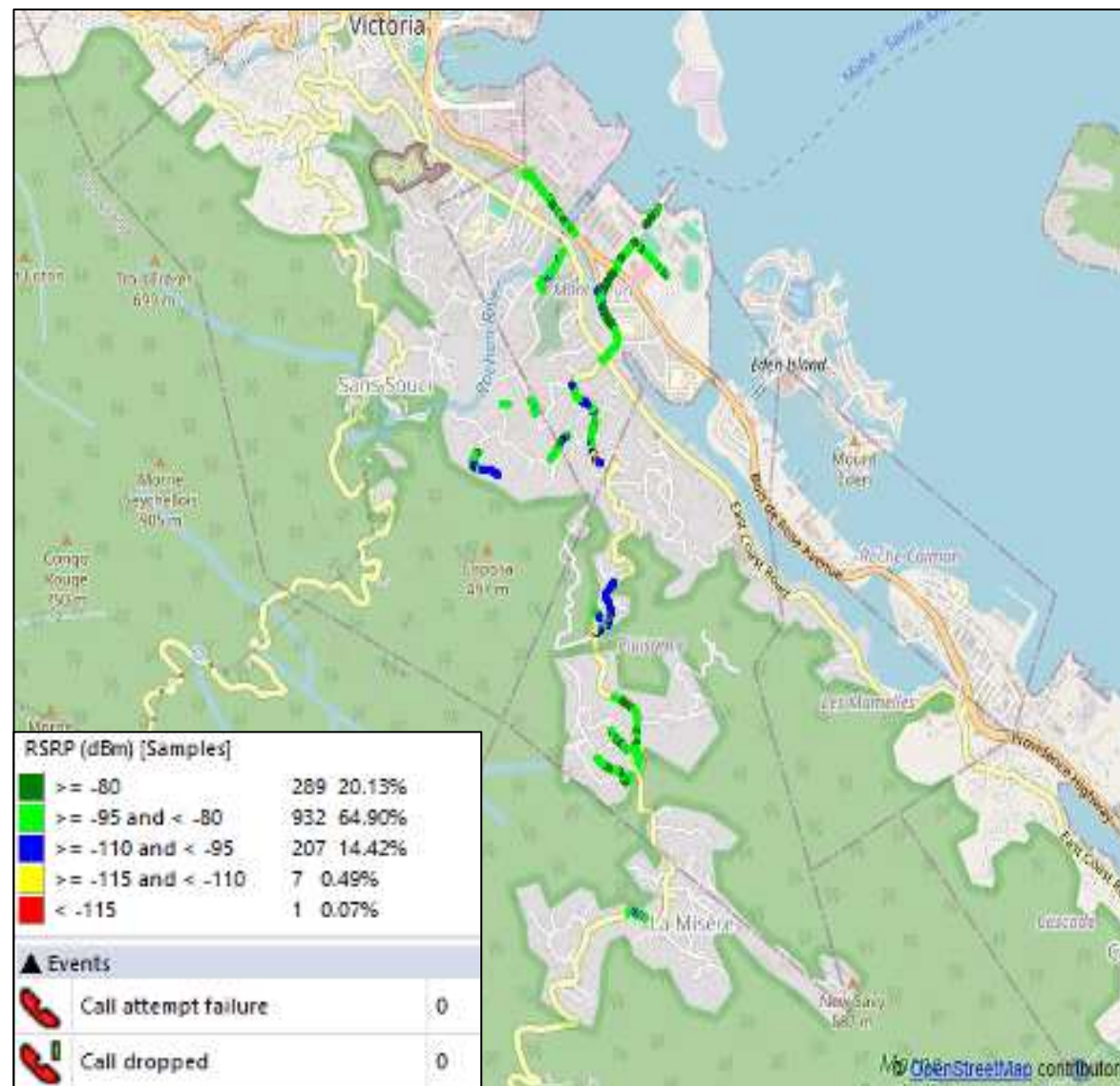
CWS LC MO



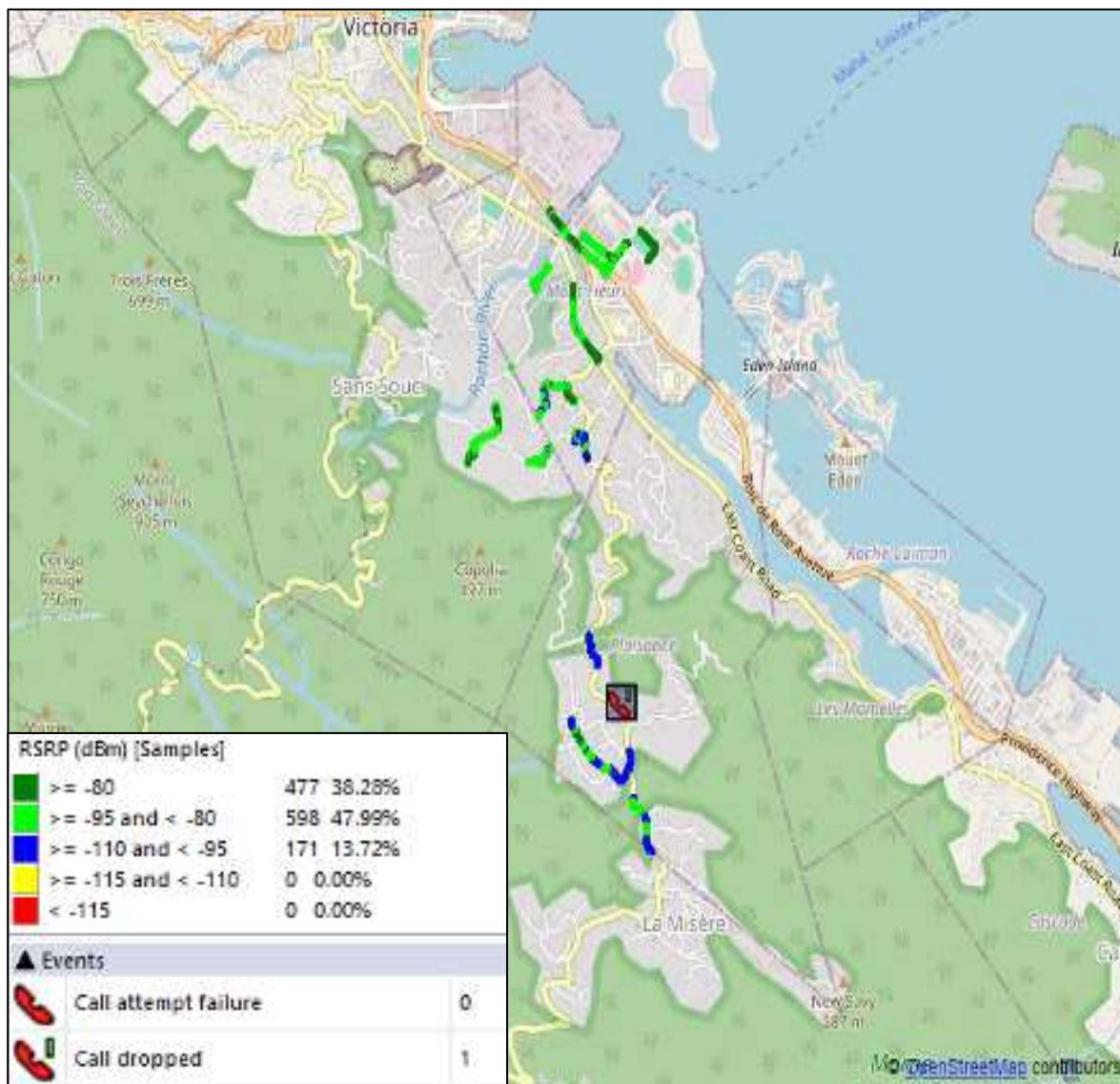
Airtel LC MO



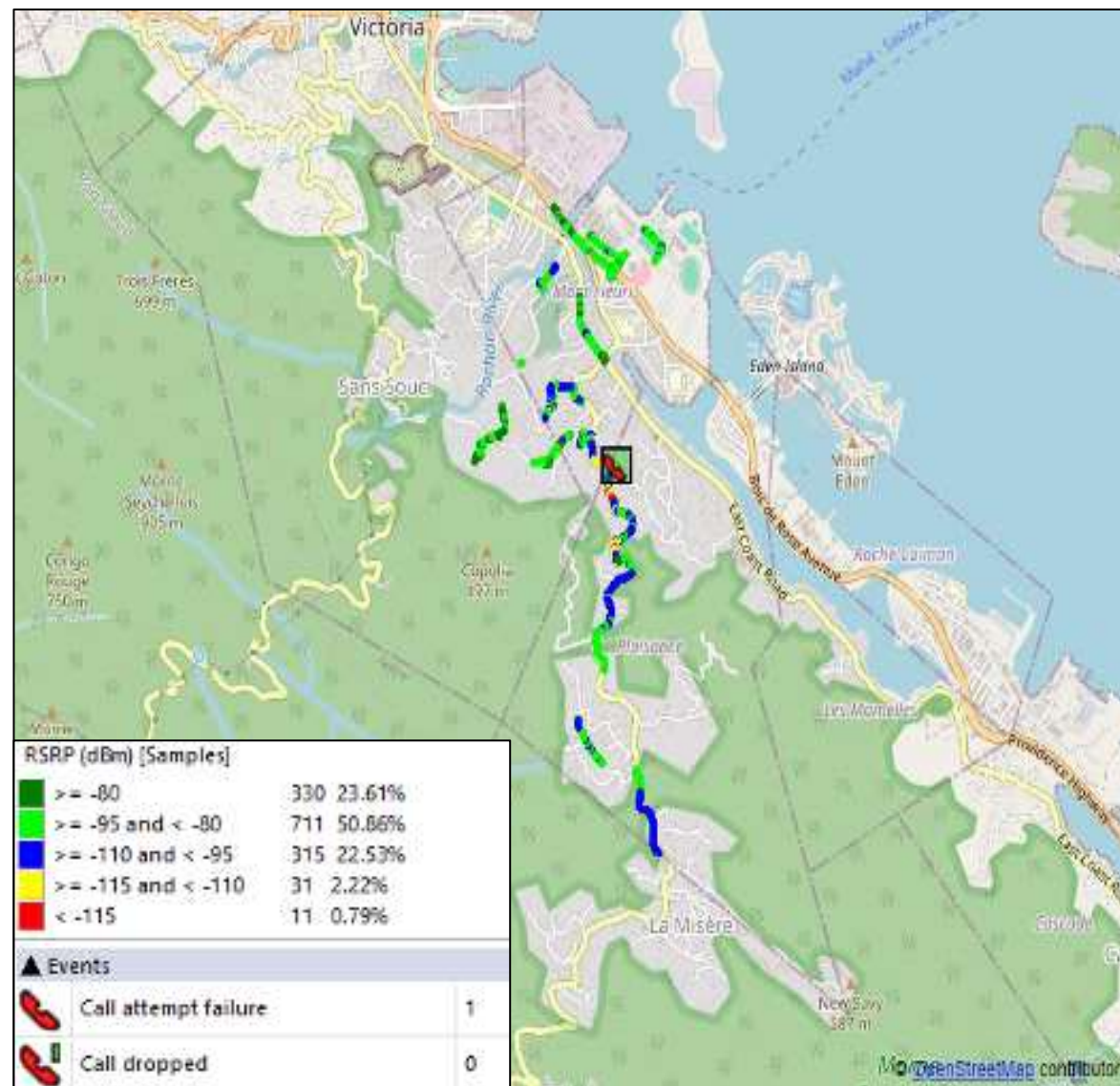
CWS LC MO



Airtel LC MO

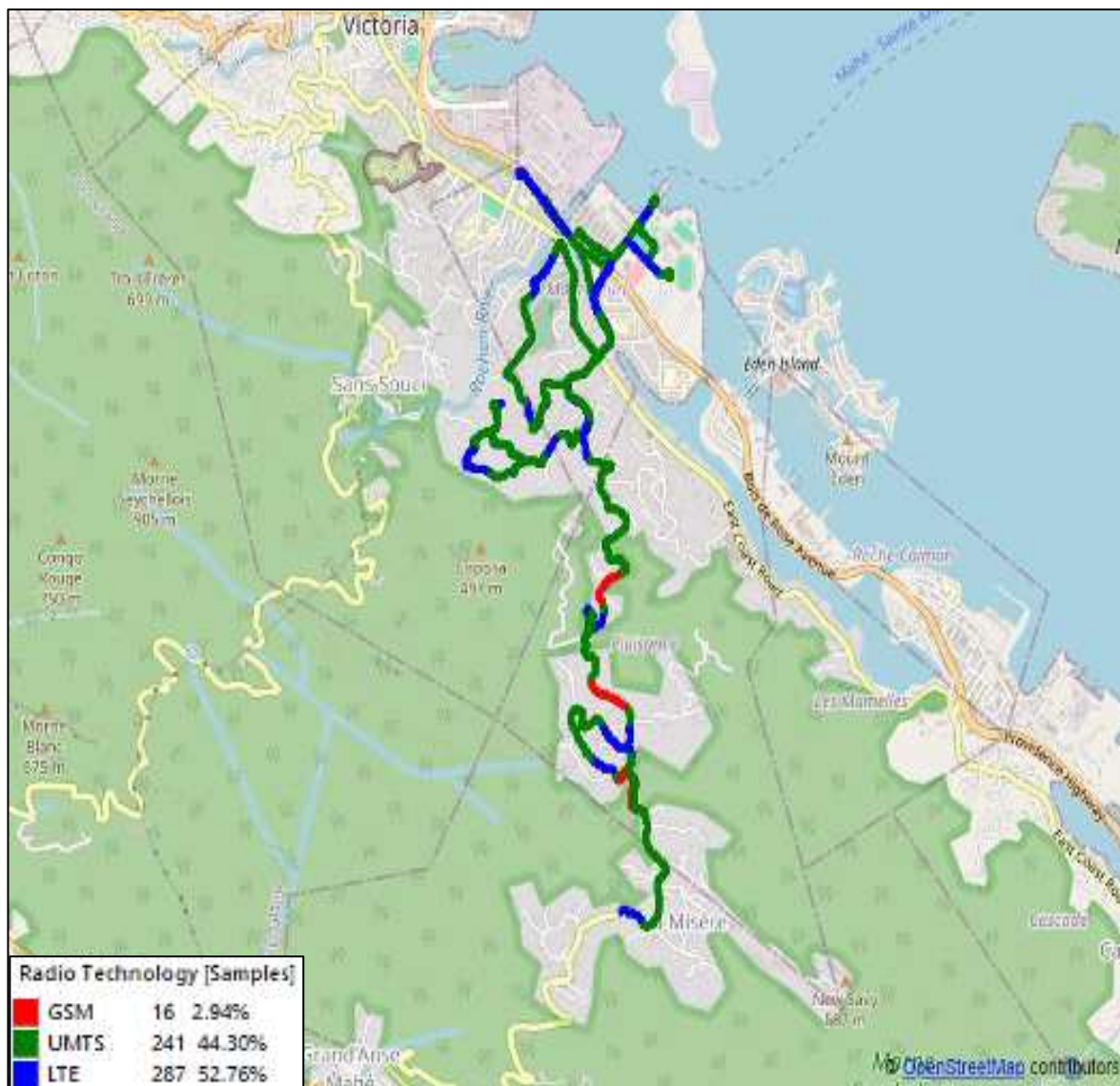


CWS LC MO

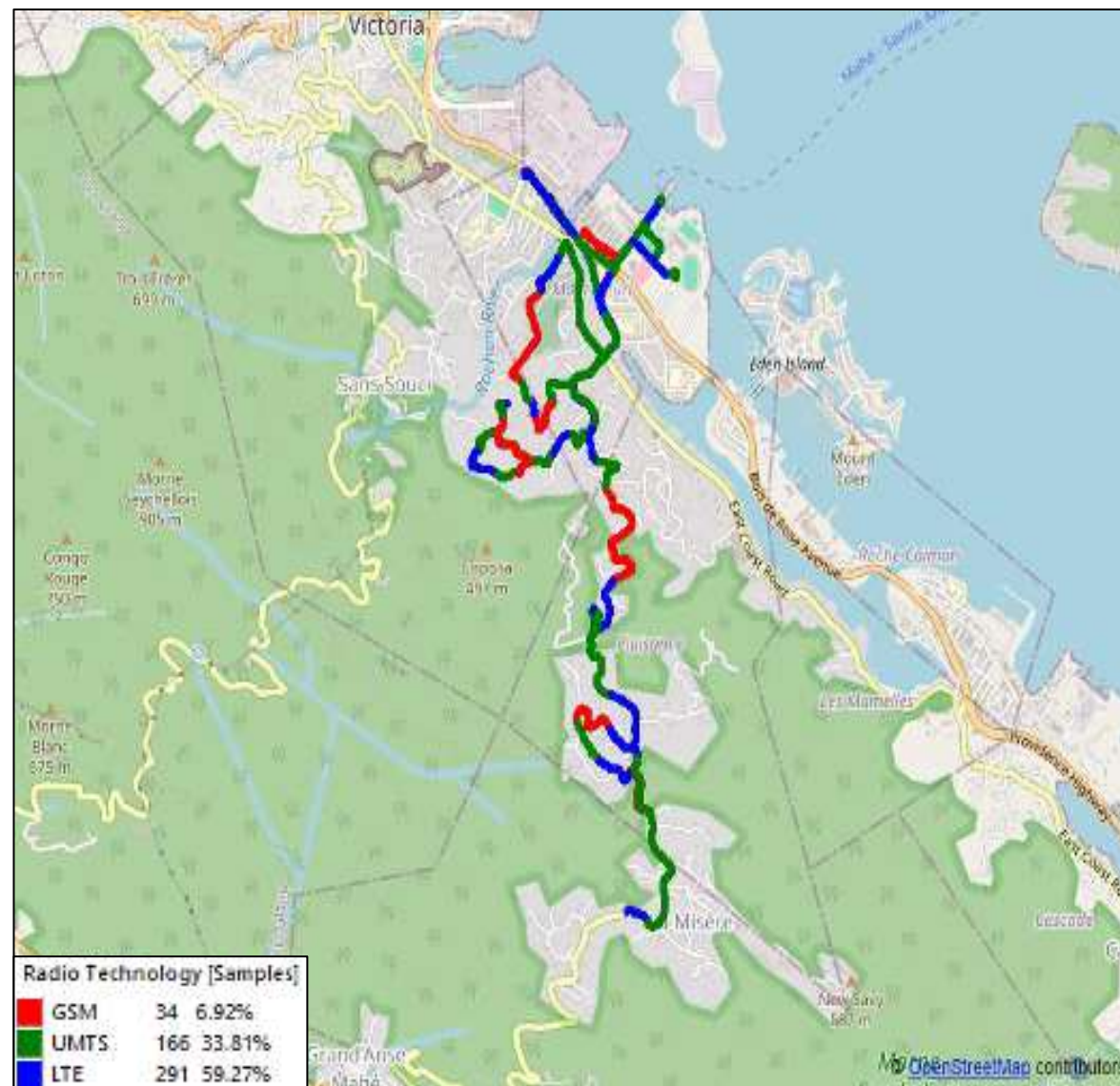


LONG CALL DRIVE PLOTS

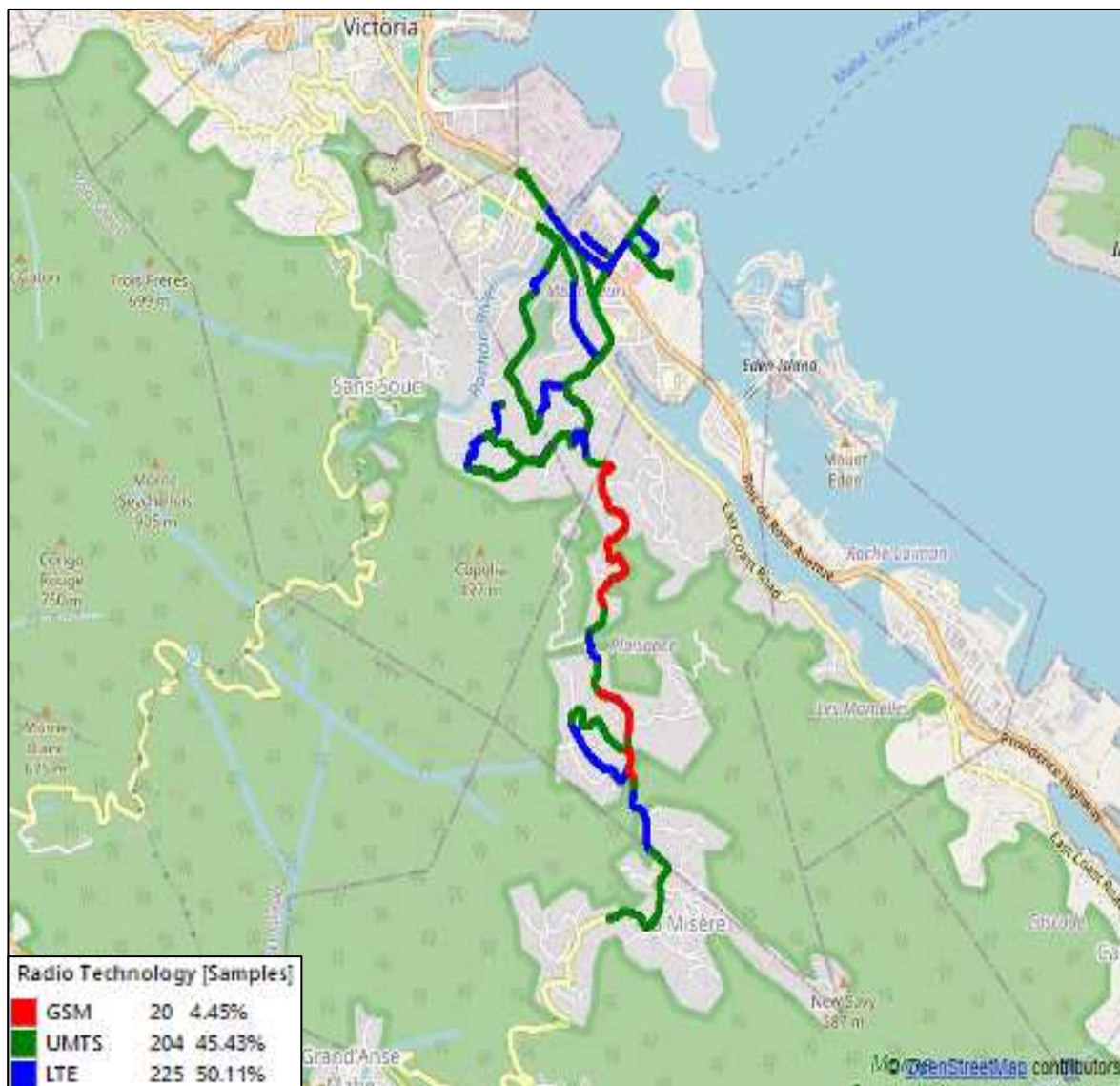
Airtel LC MO



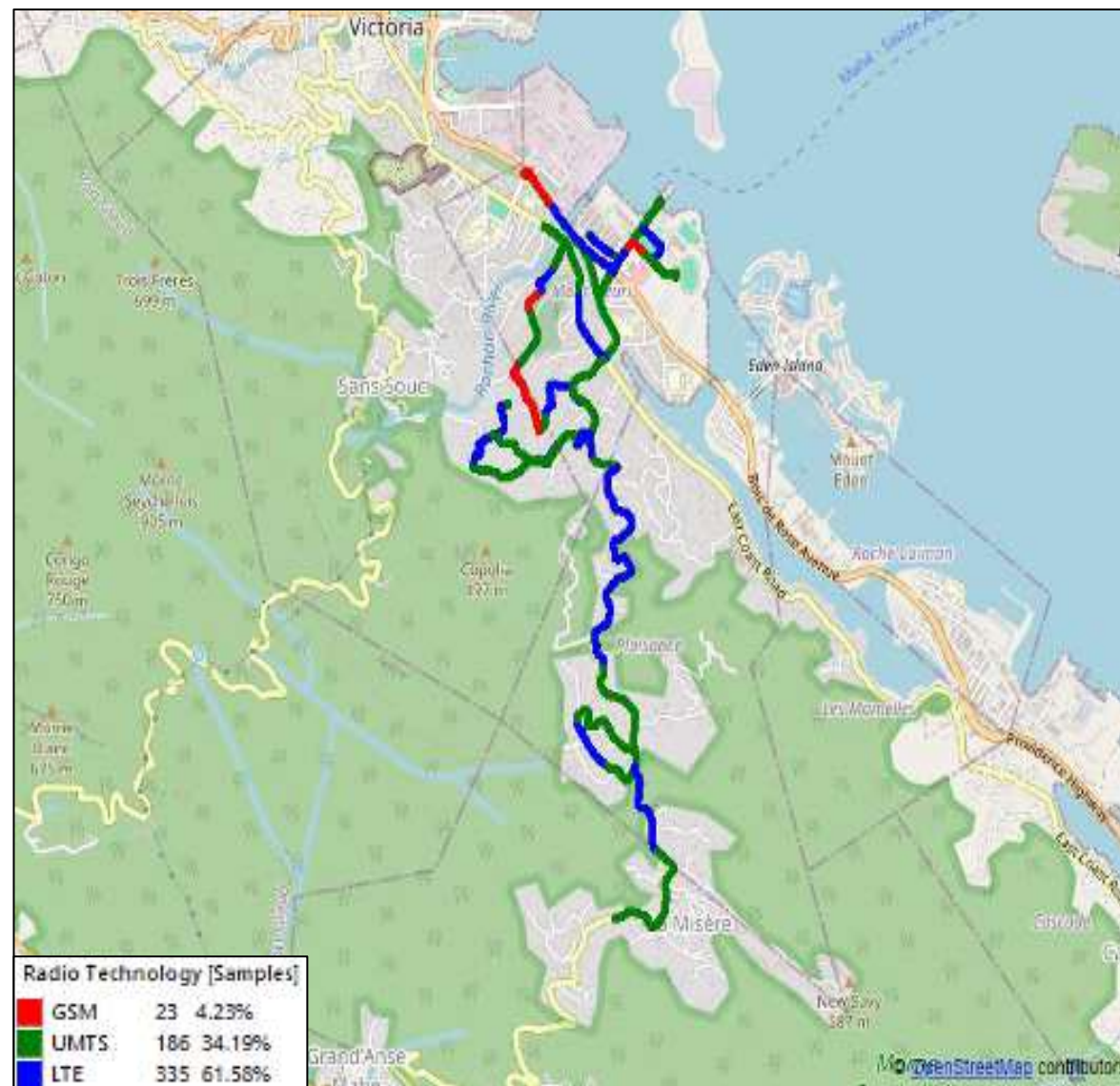
CWS LC MO



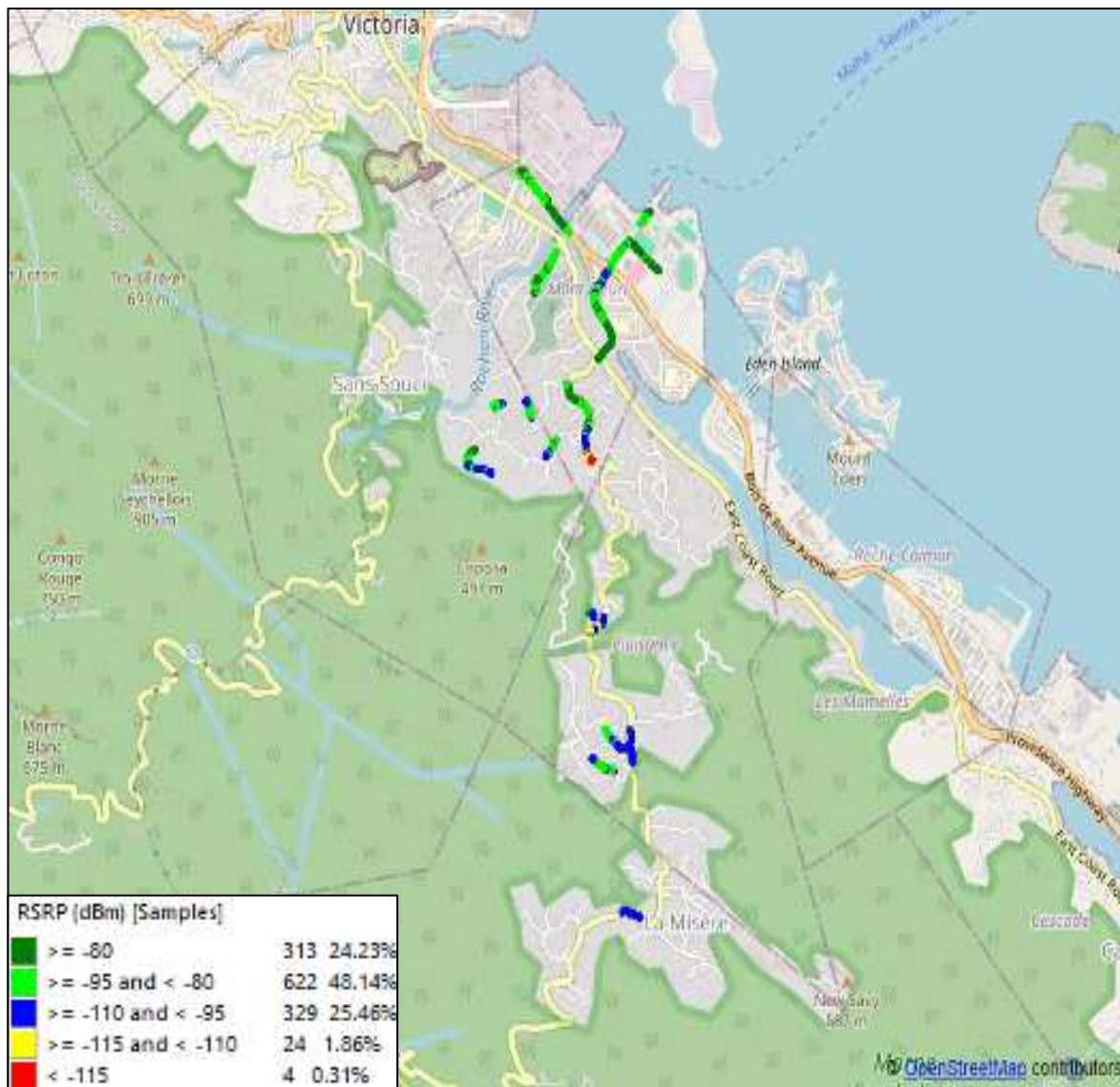
Airtel LC MO



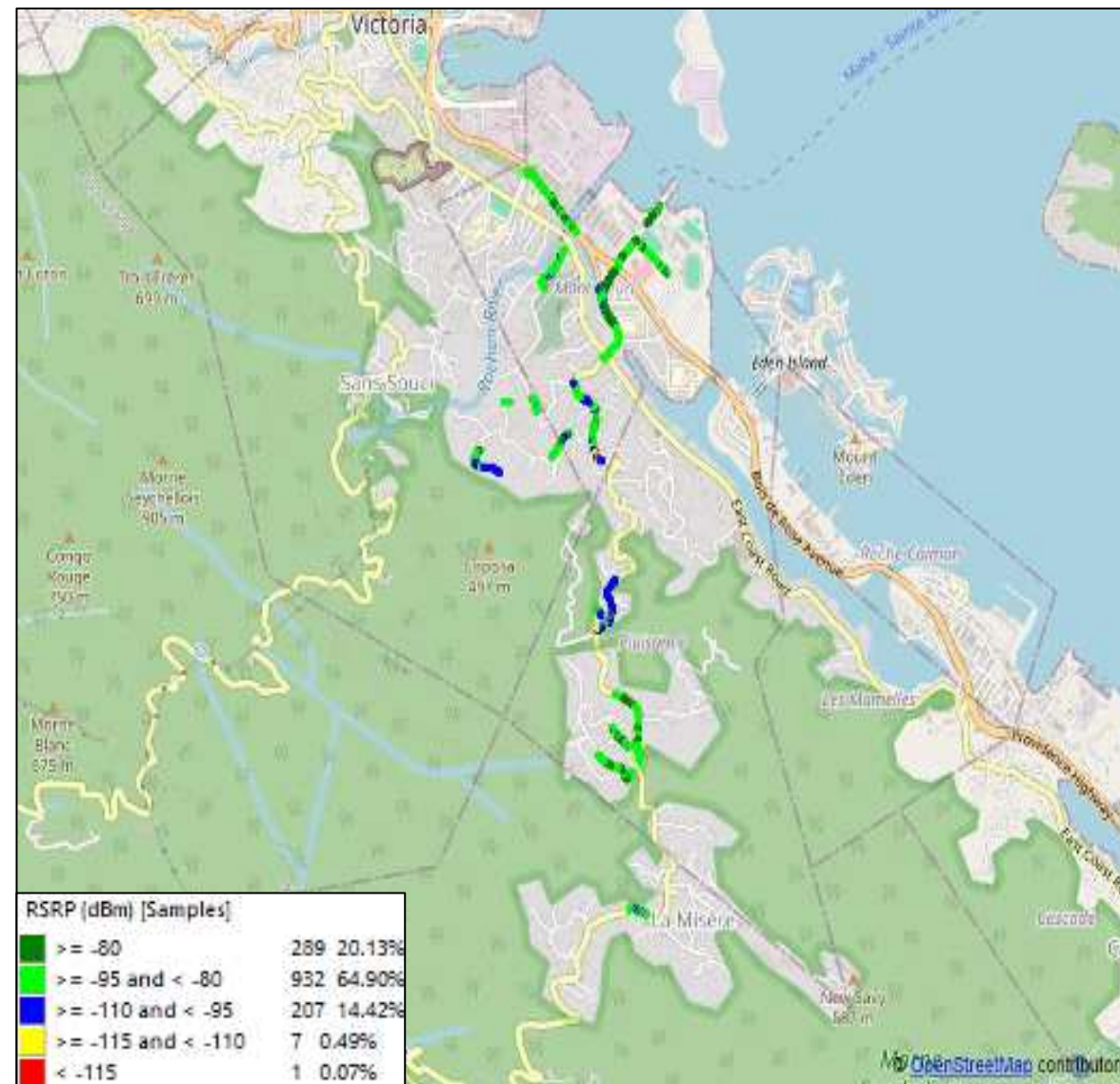
CWS LC MO



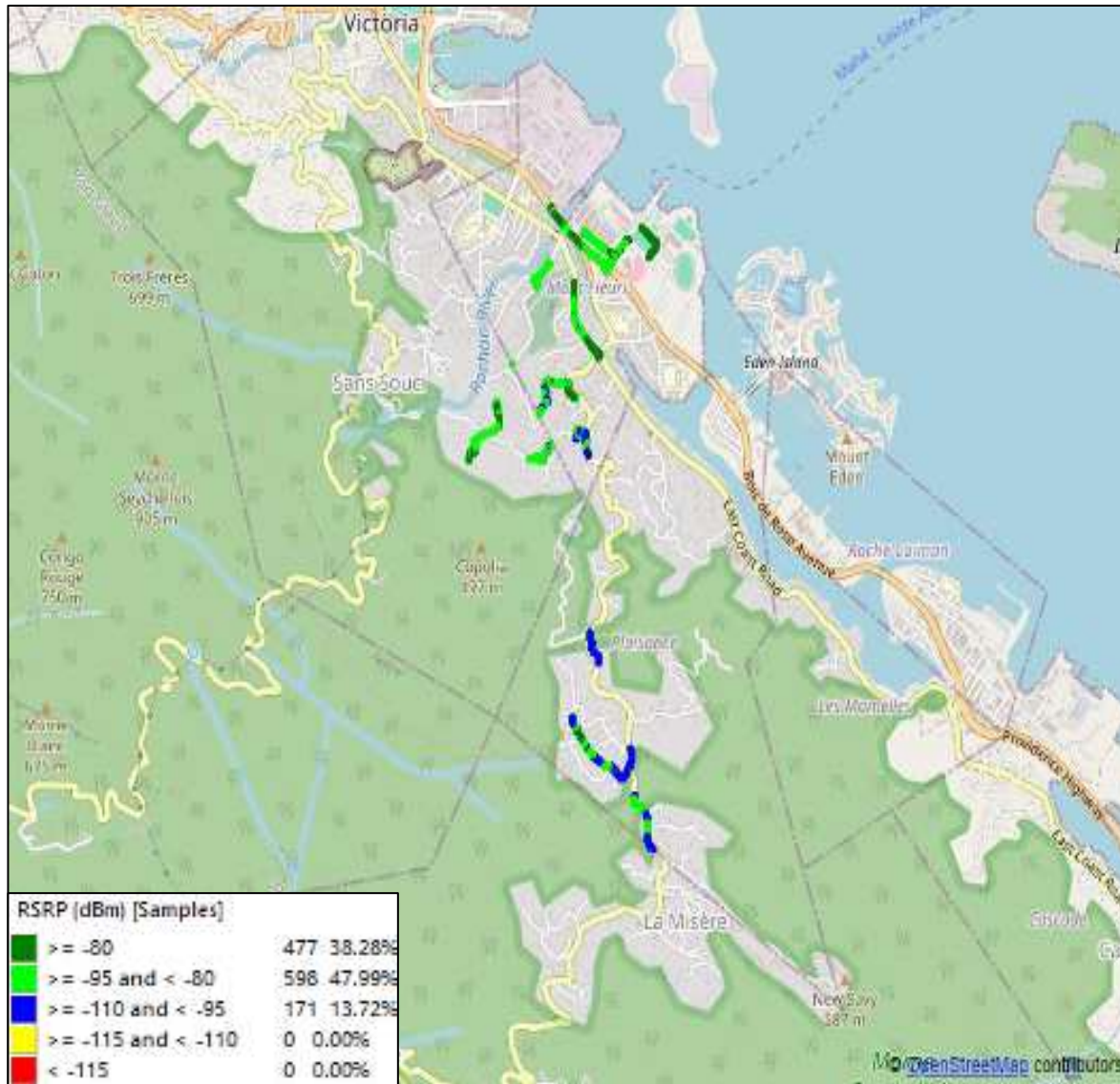
Airtel LC MO



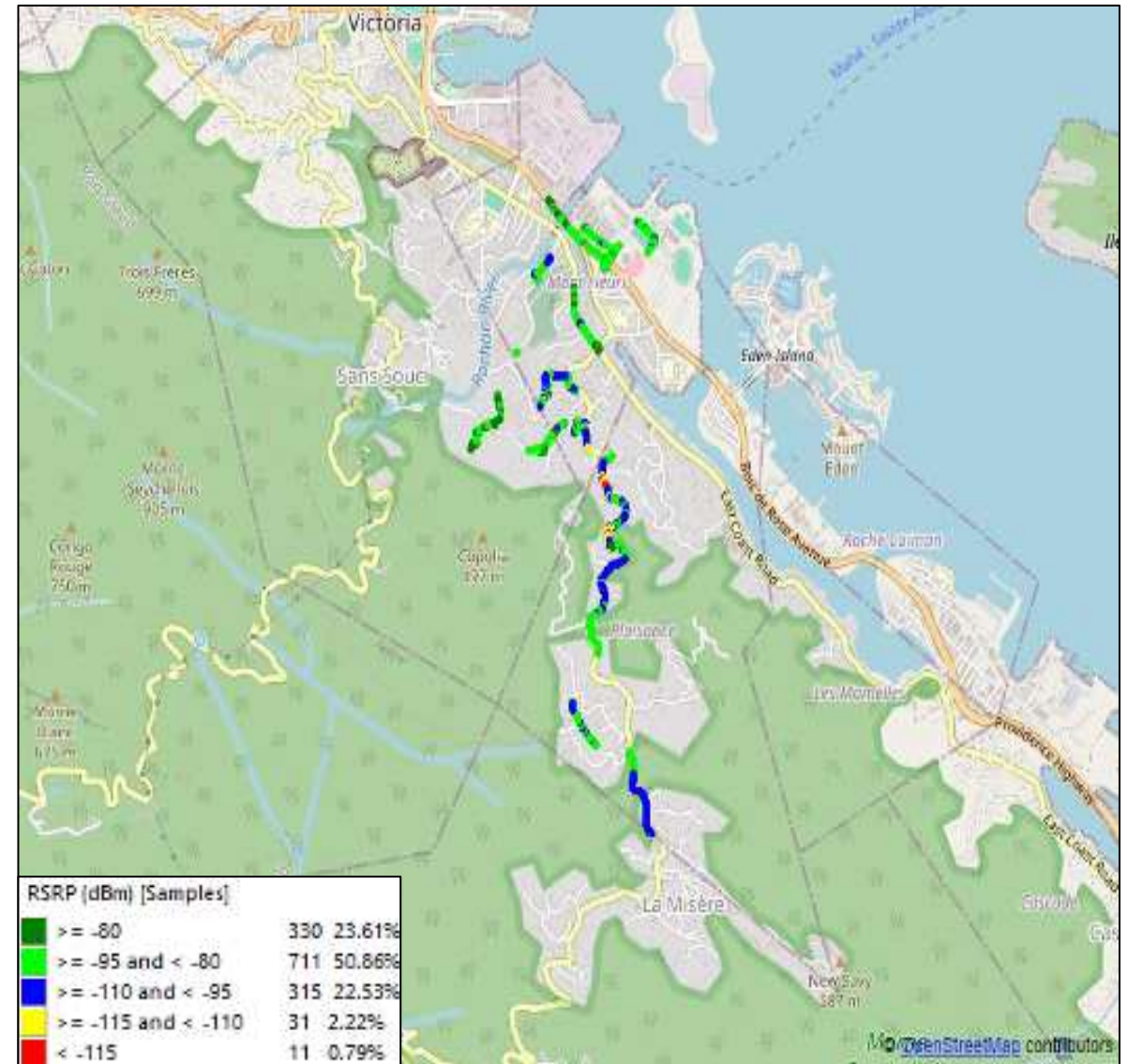
CWS LC MO



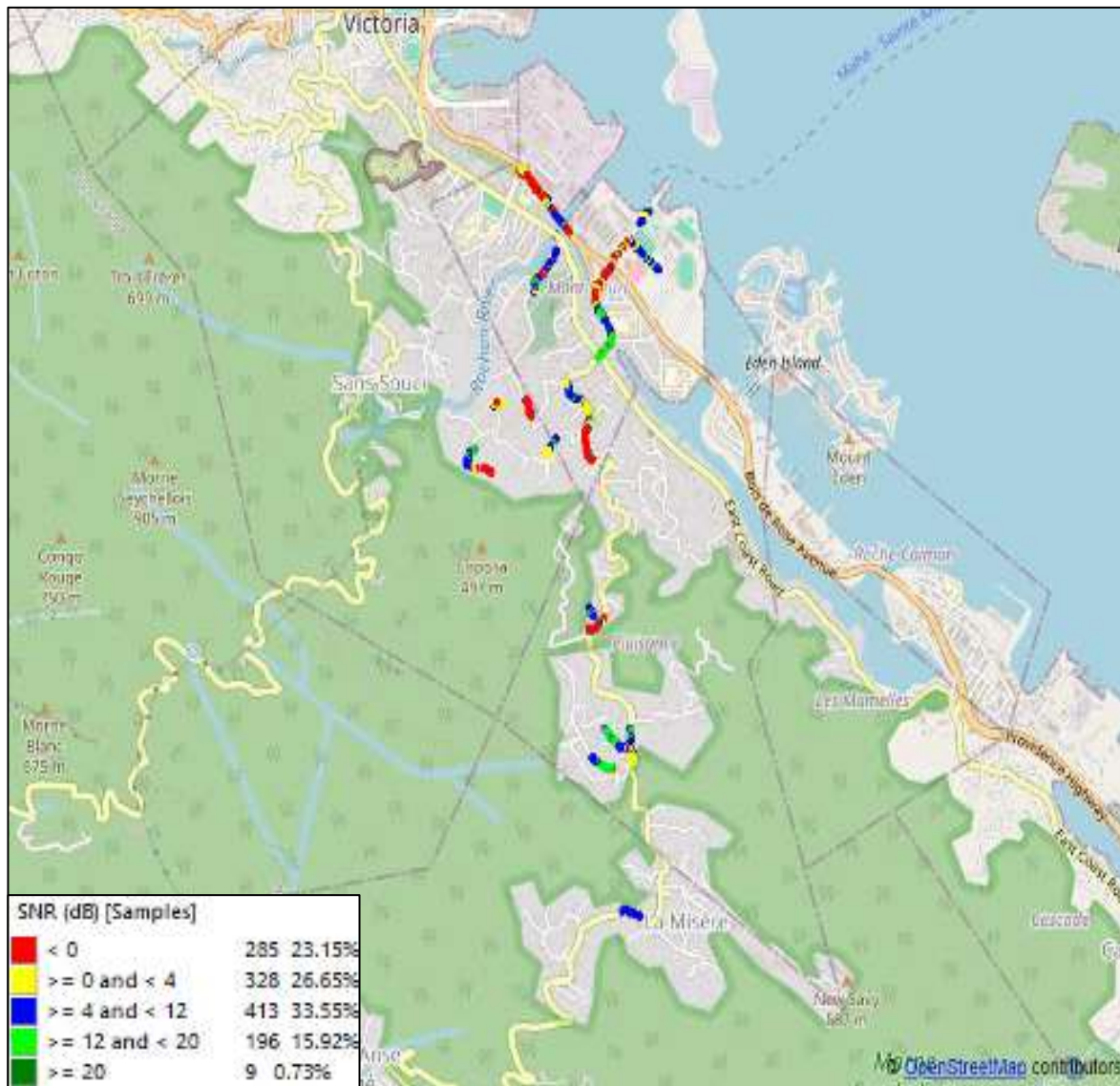
Airtel LC MO



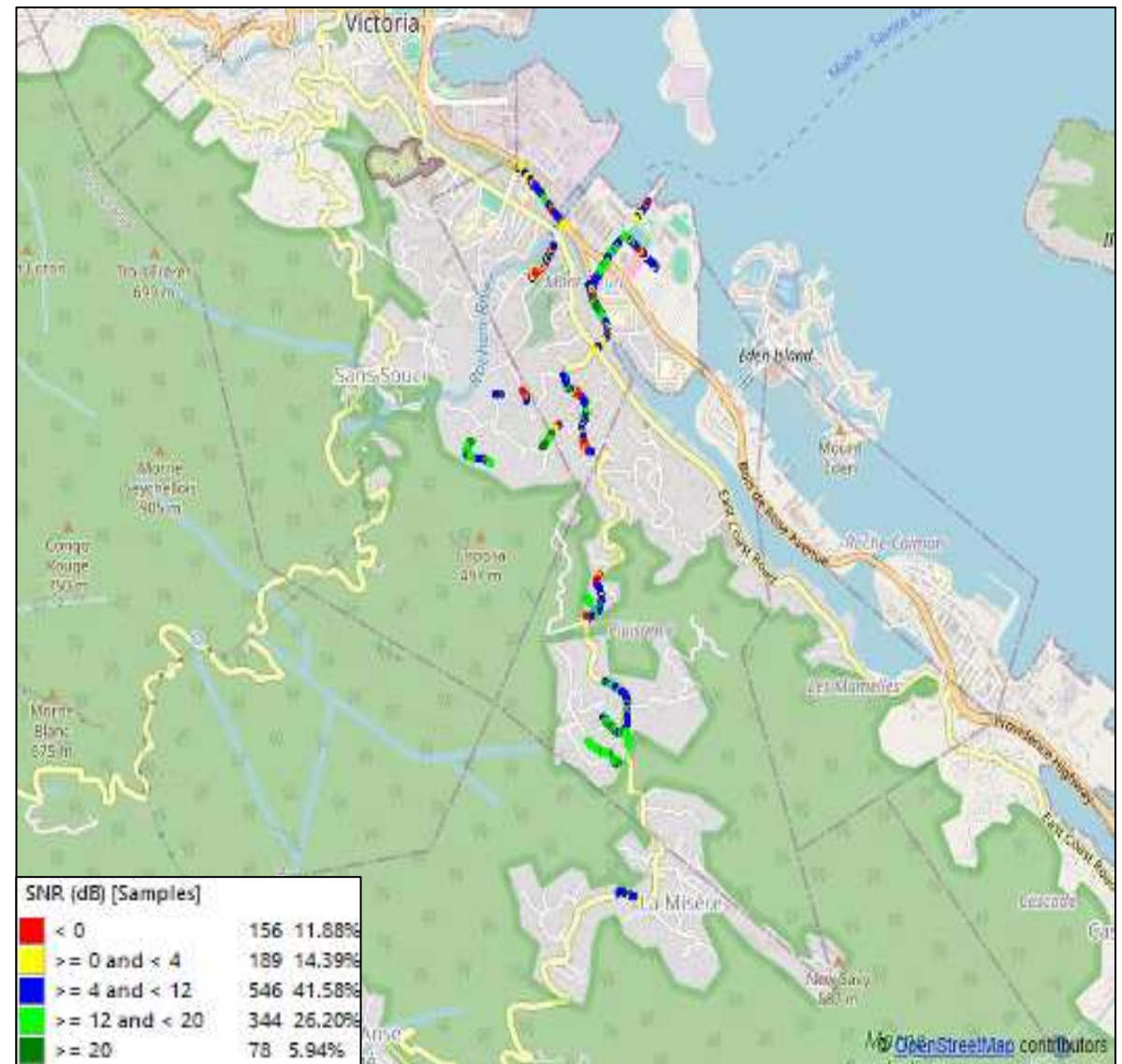
CWS LC MO



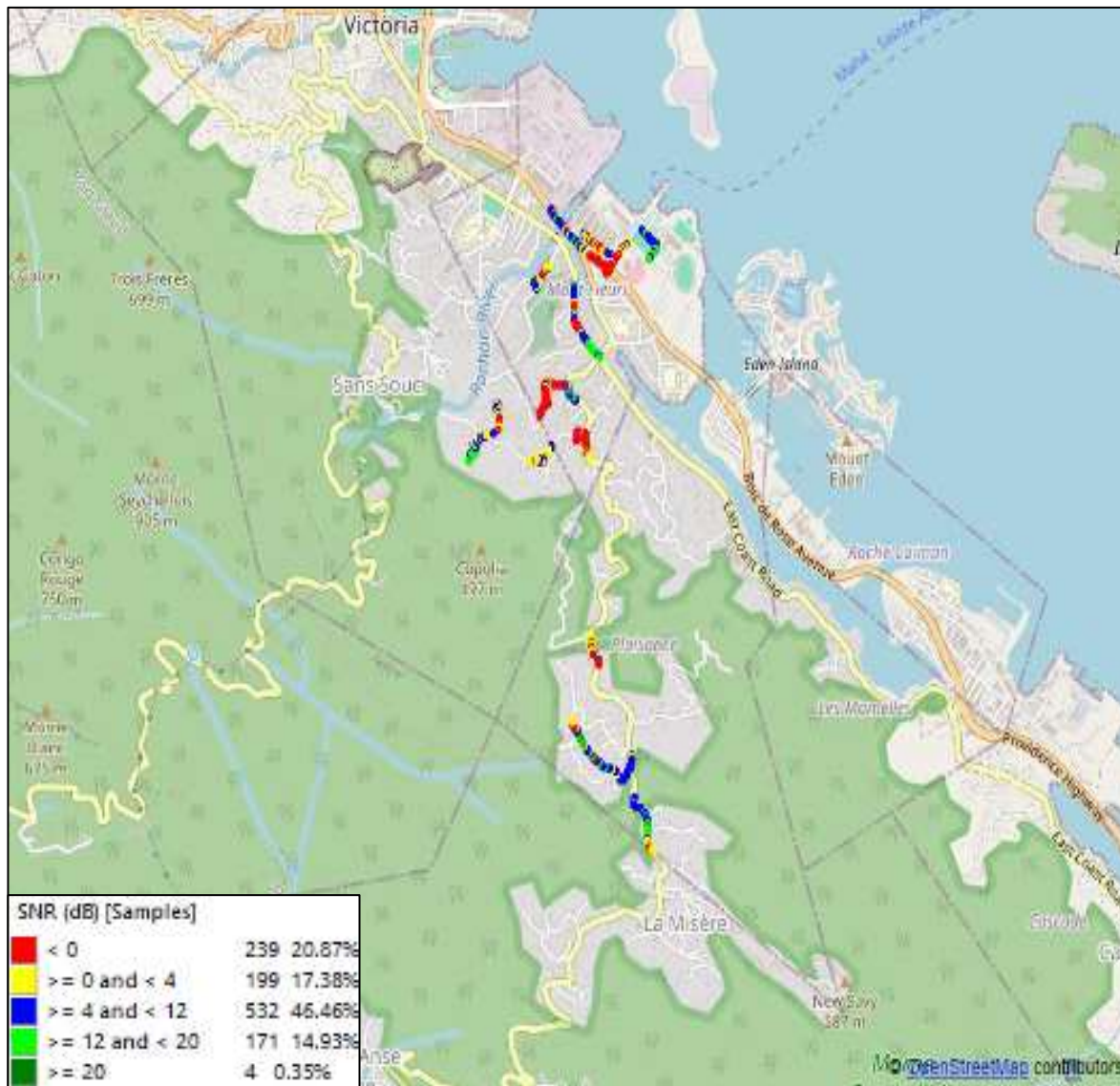
Airtel LC MO



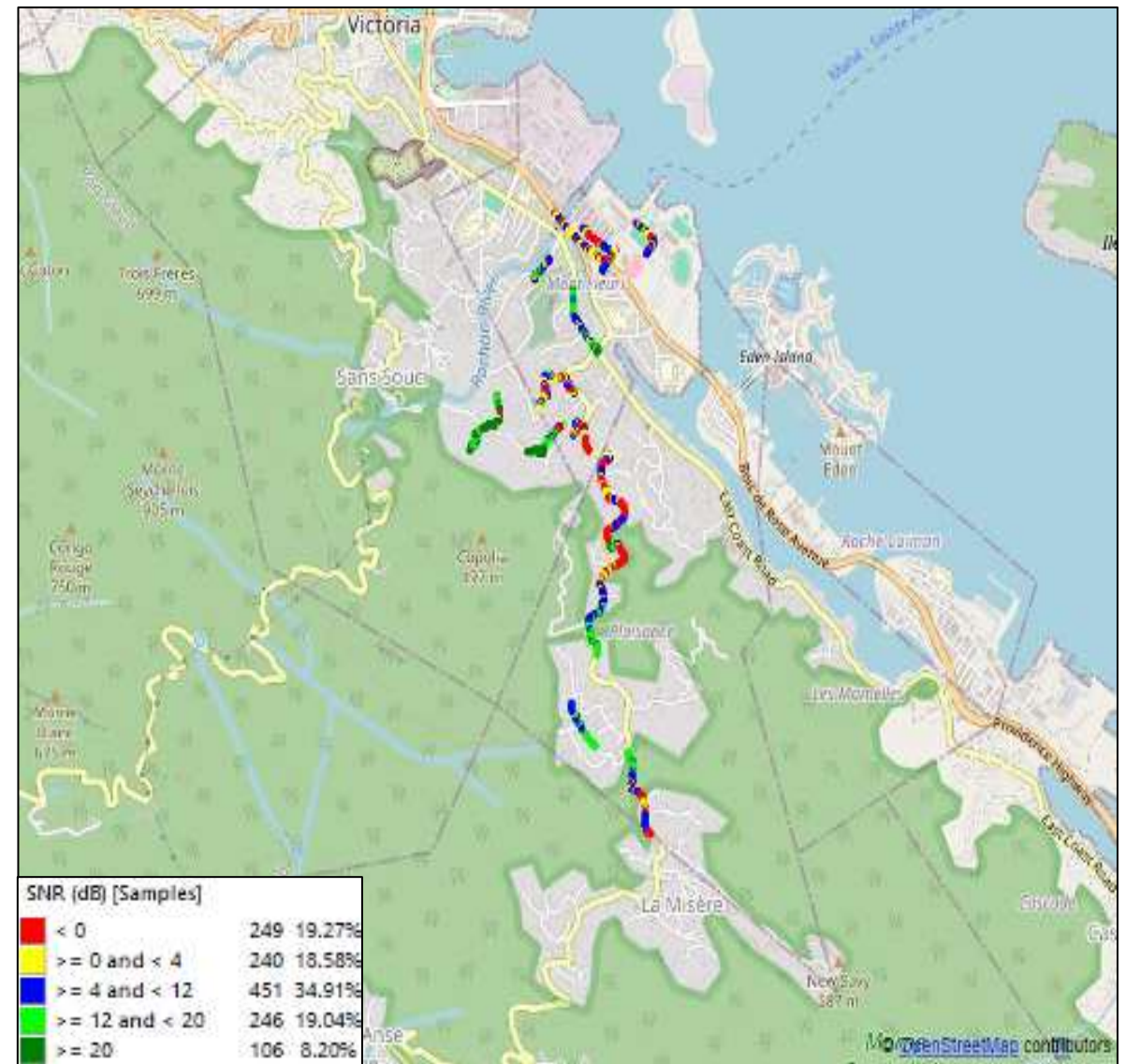
CWS LC MO



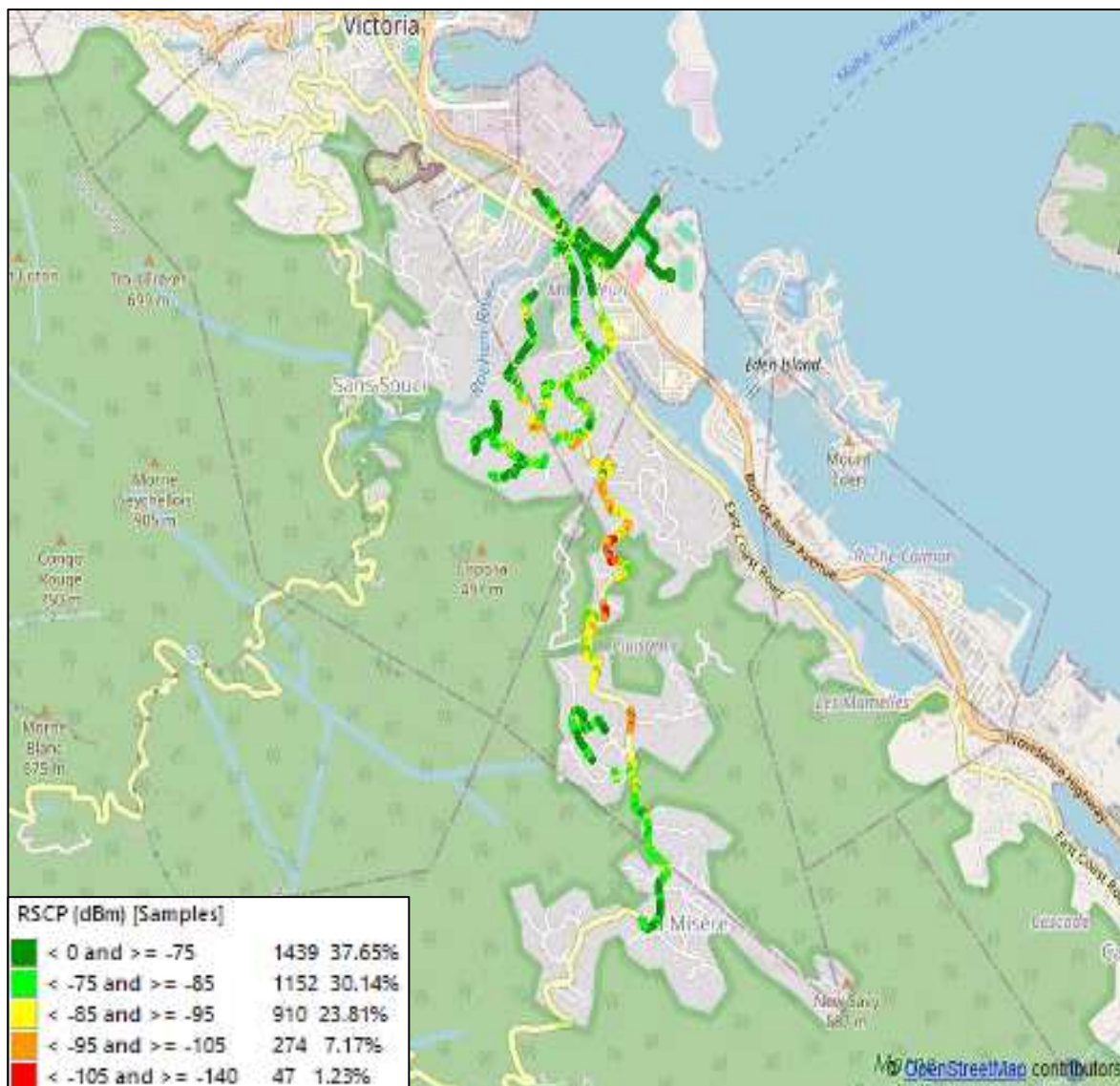
Airtel LC MO



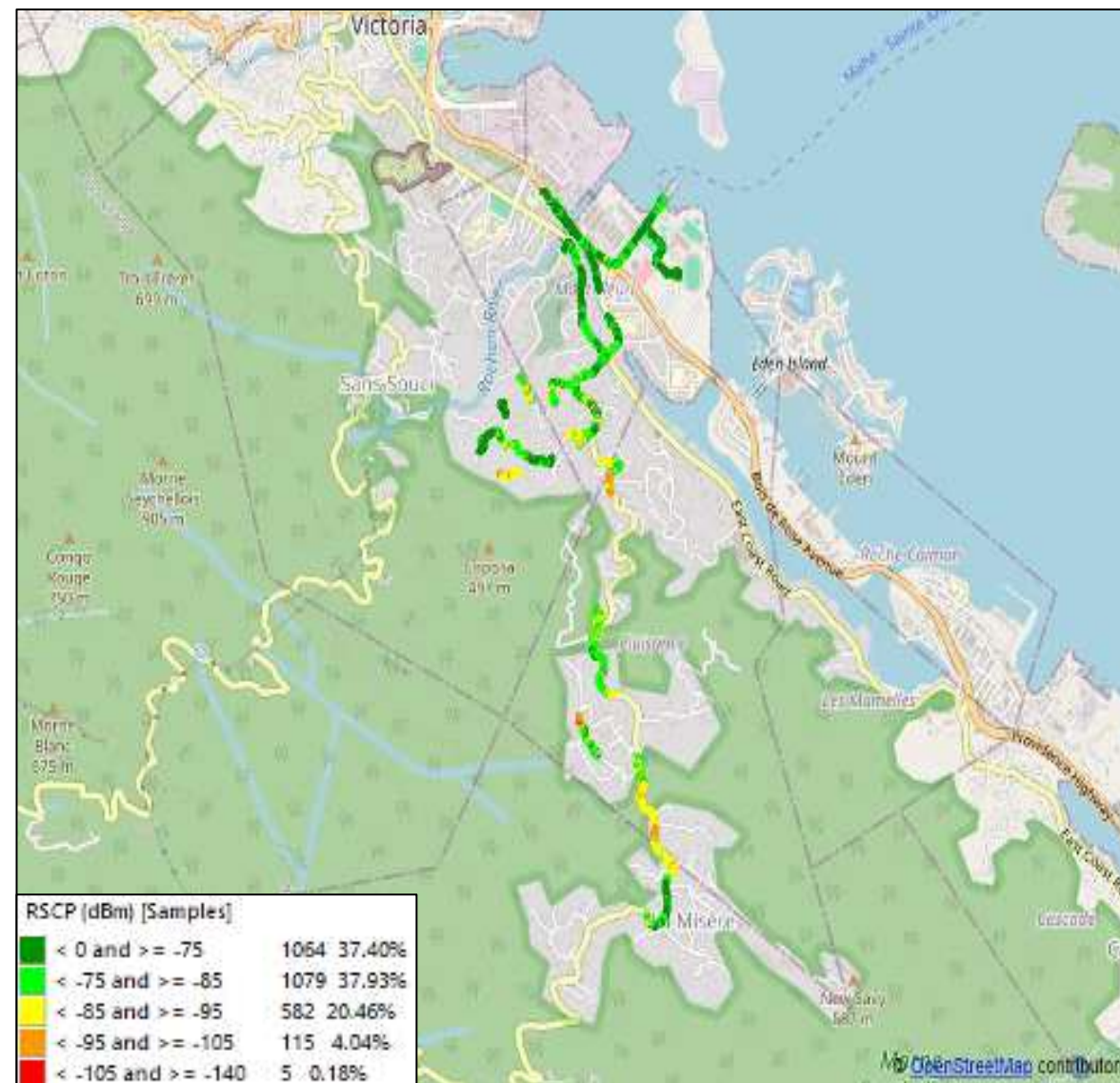
CWS LC MO



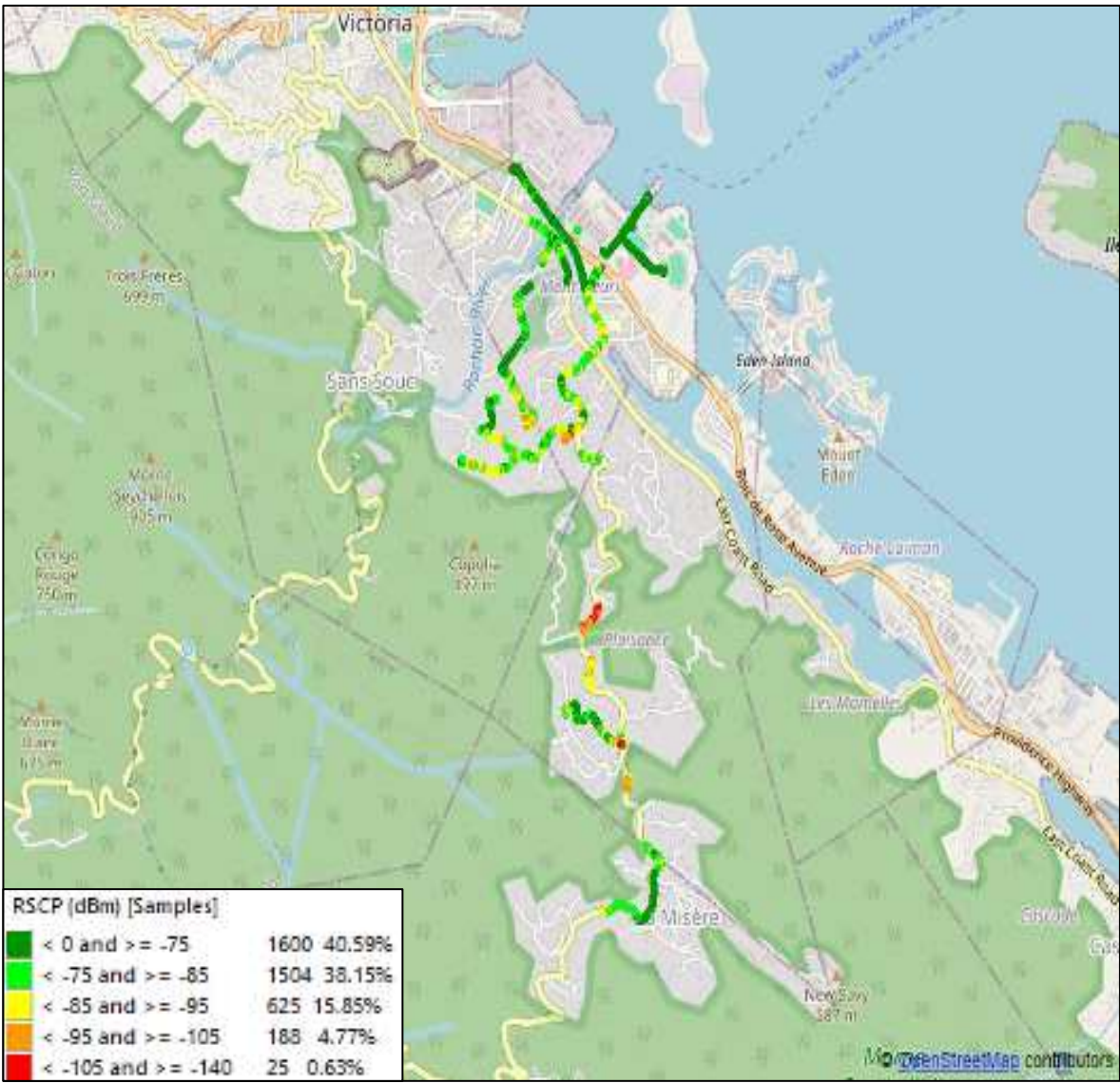
Airtel LC MO



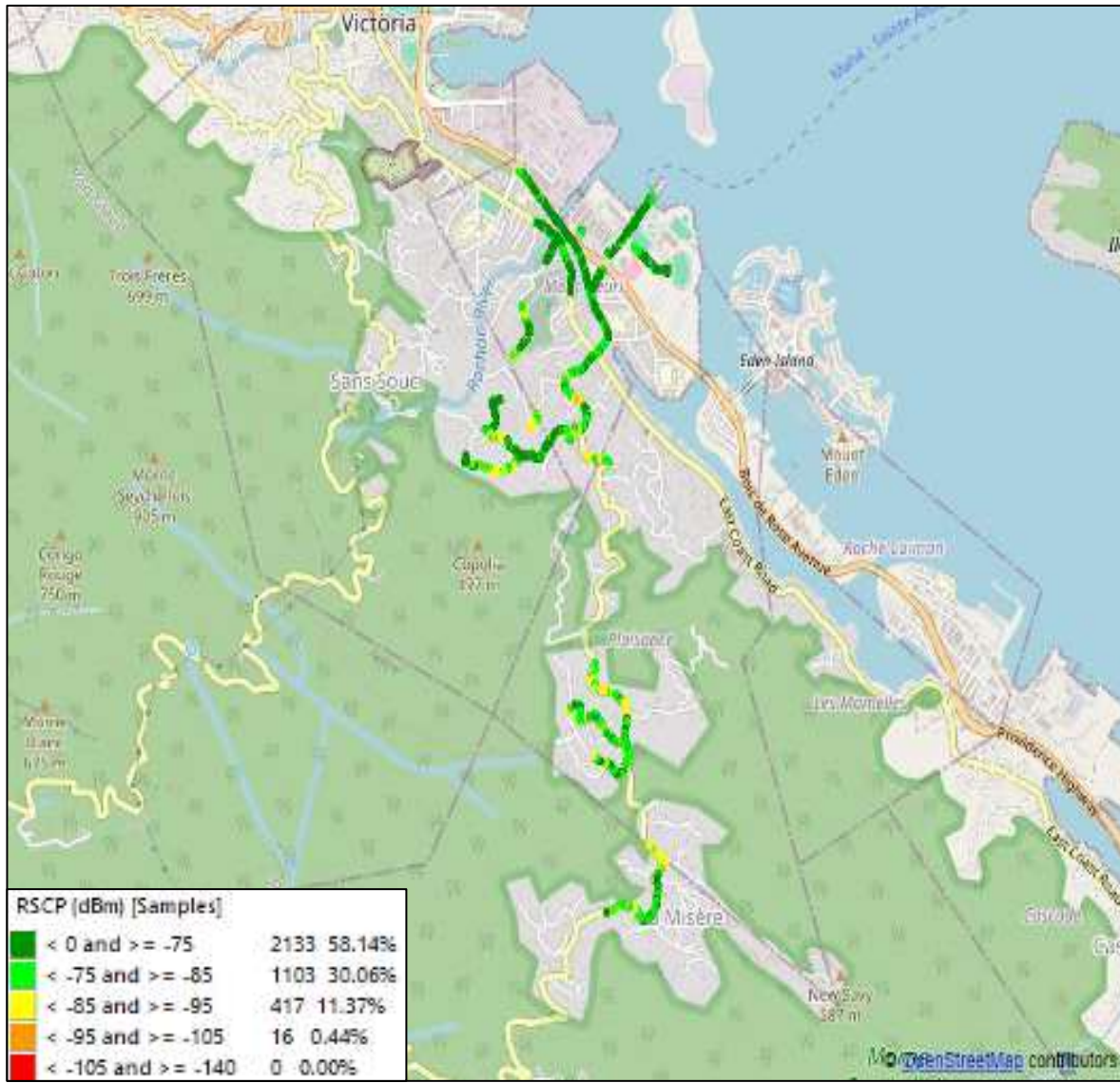
CWS LC MO



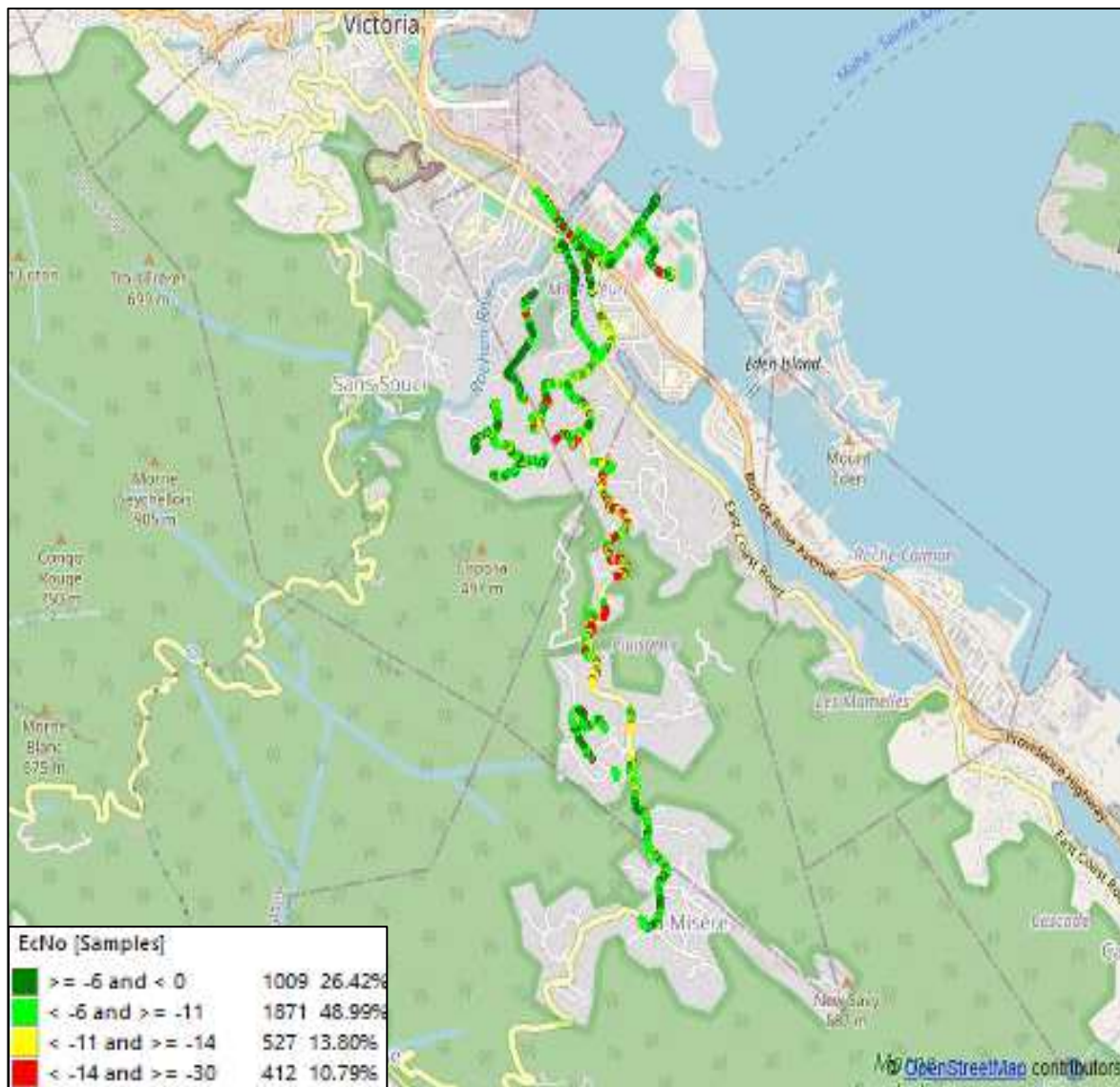
Airtel LC MO



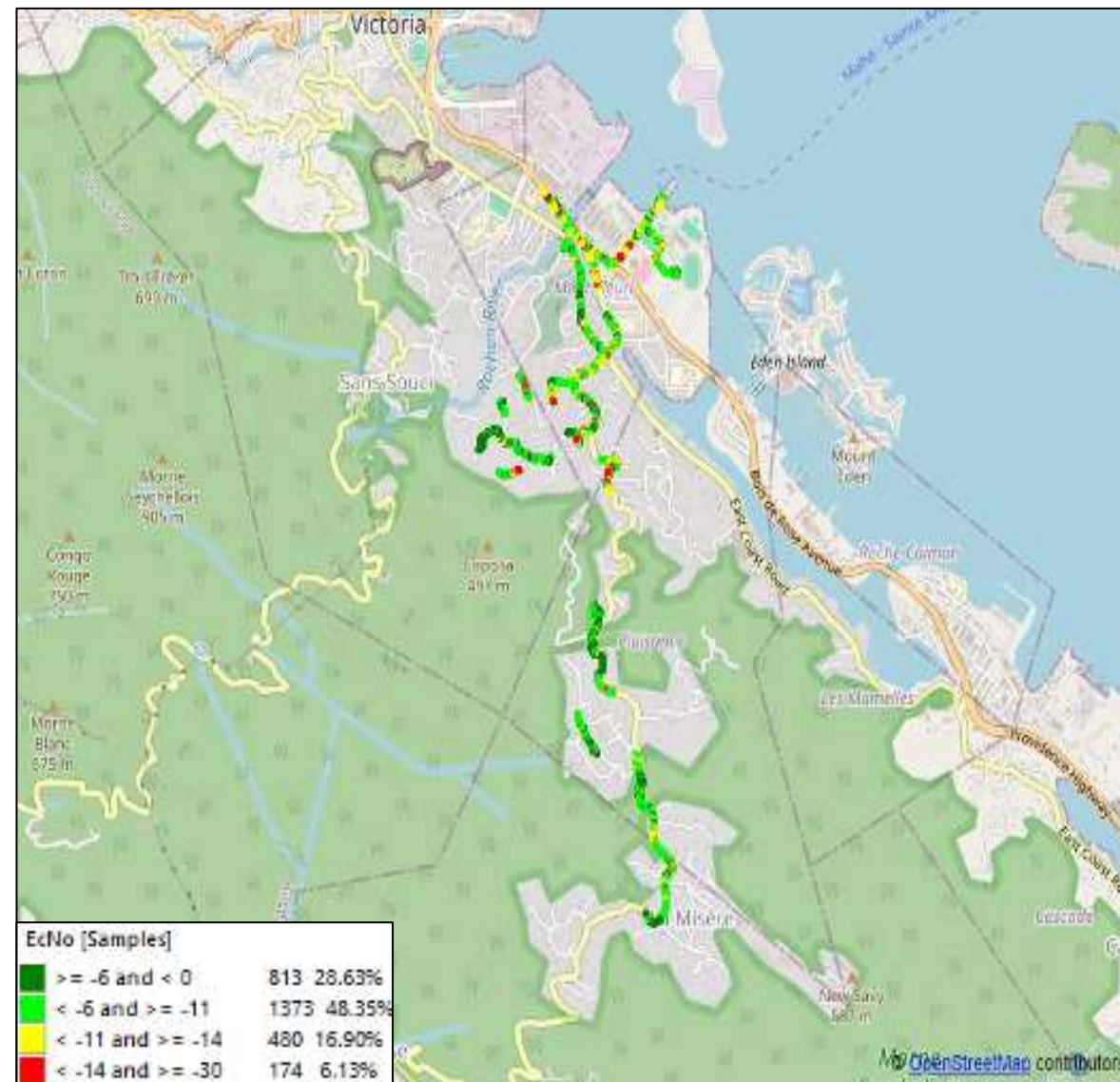
CWS LC MO



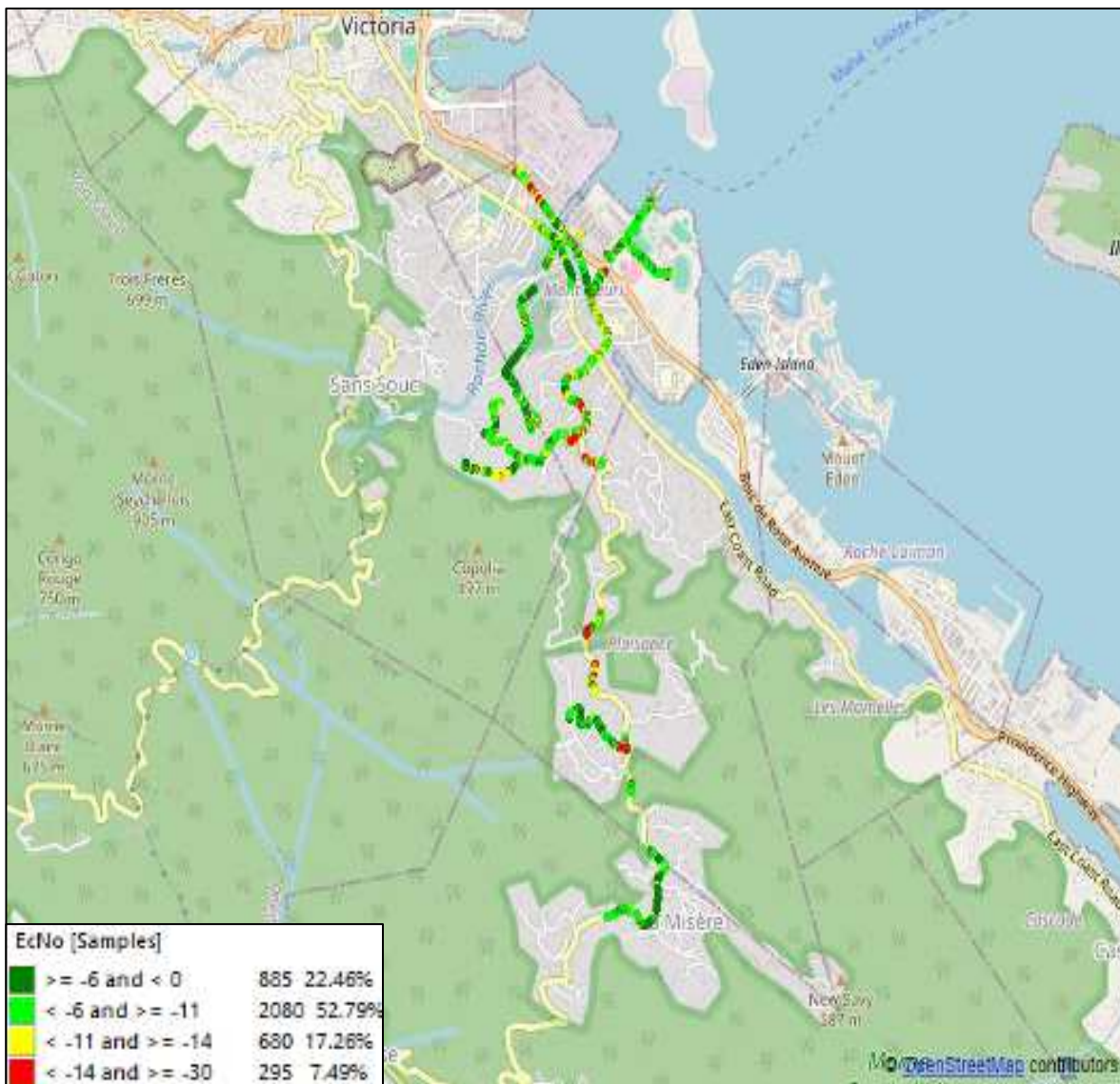
Airtel LC MO



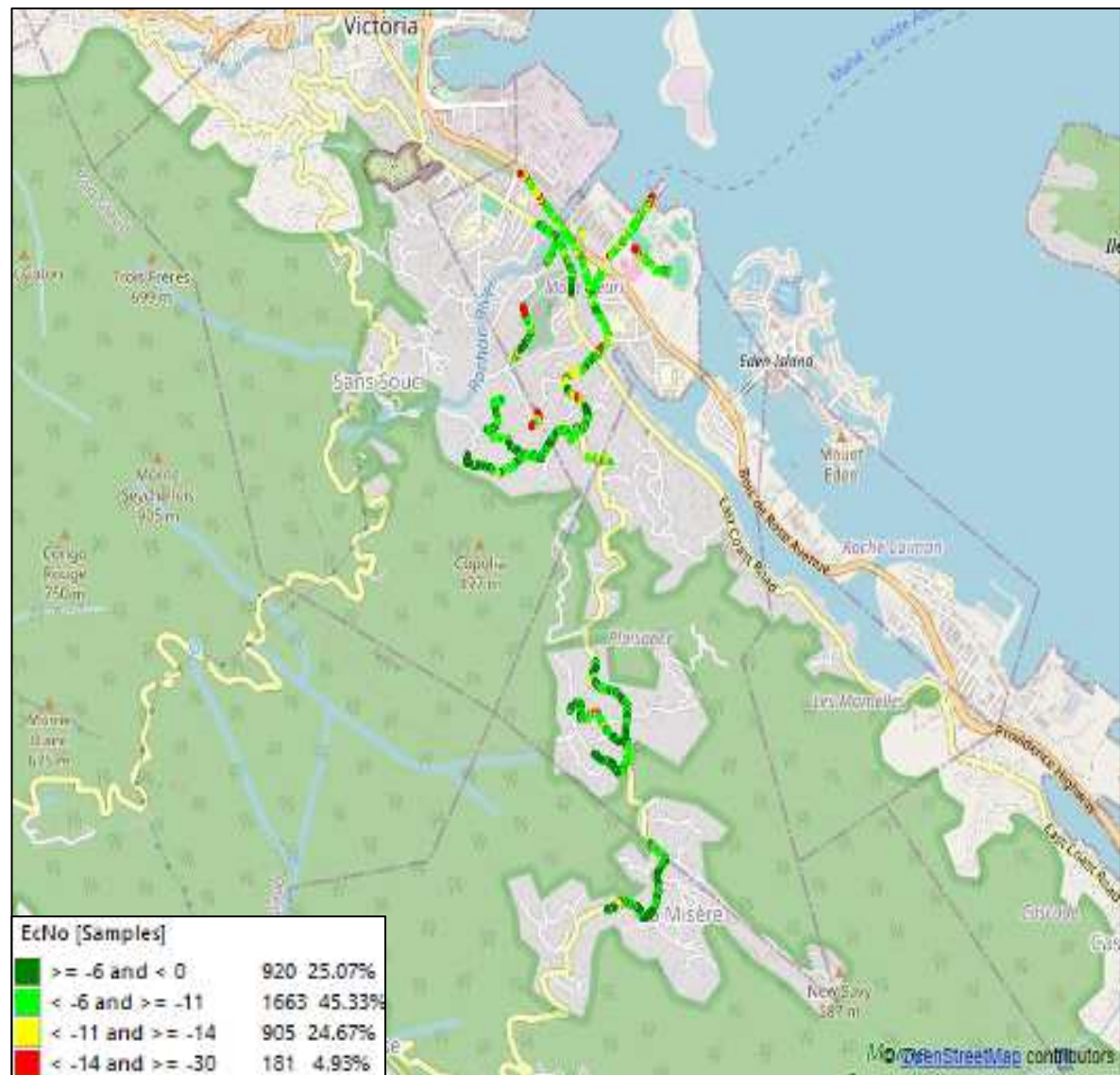
CWS LC MO



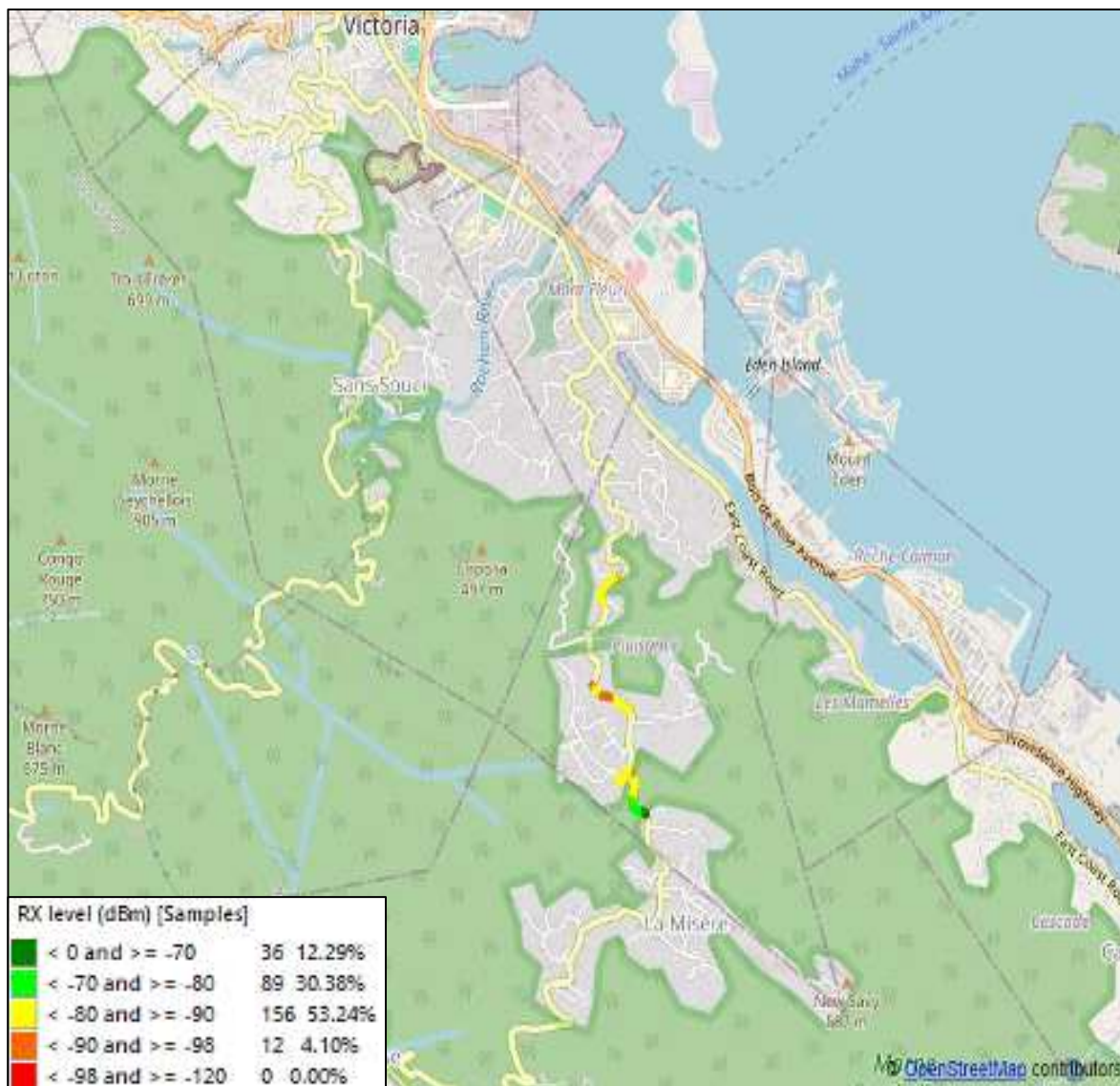
Airtel LC MO



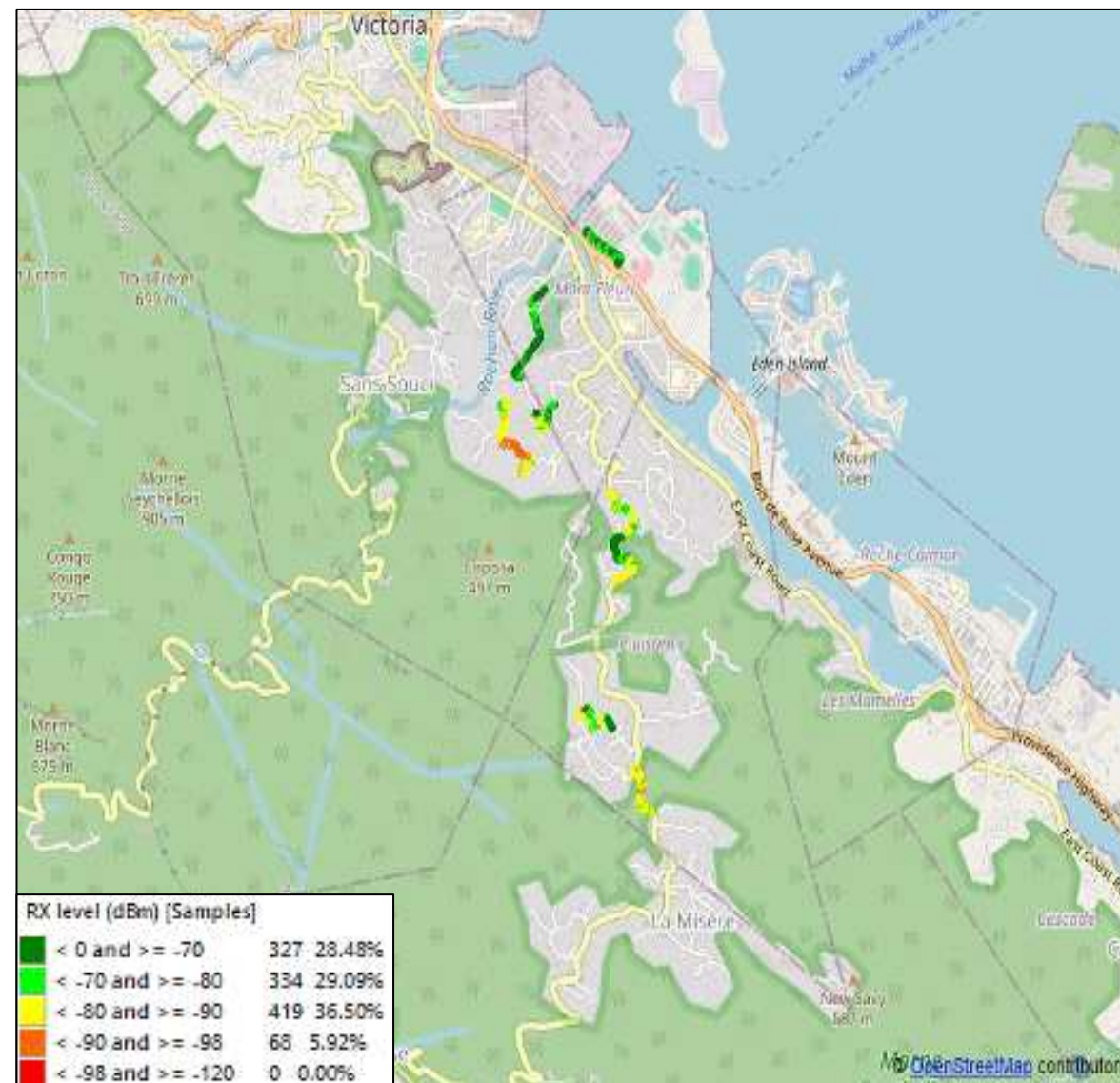
CWS LC MO



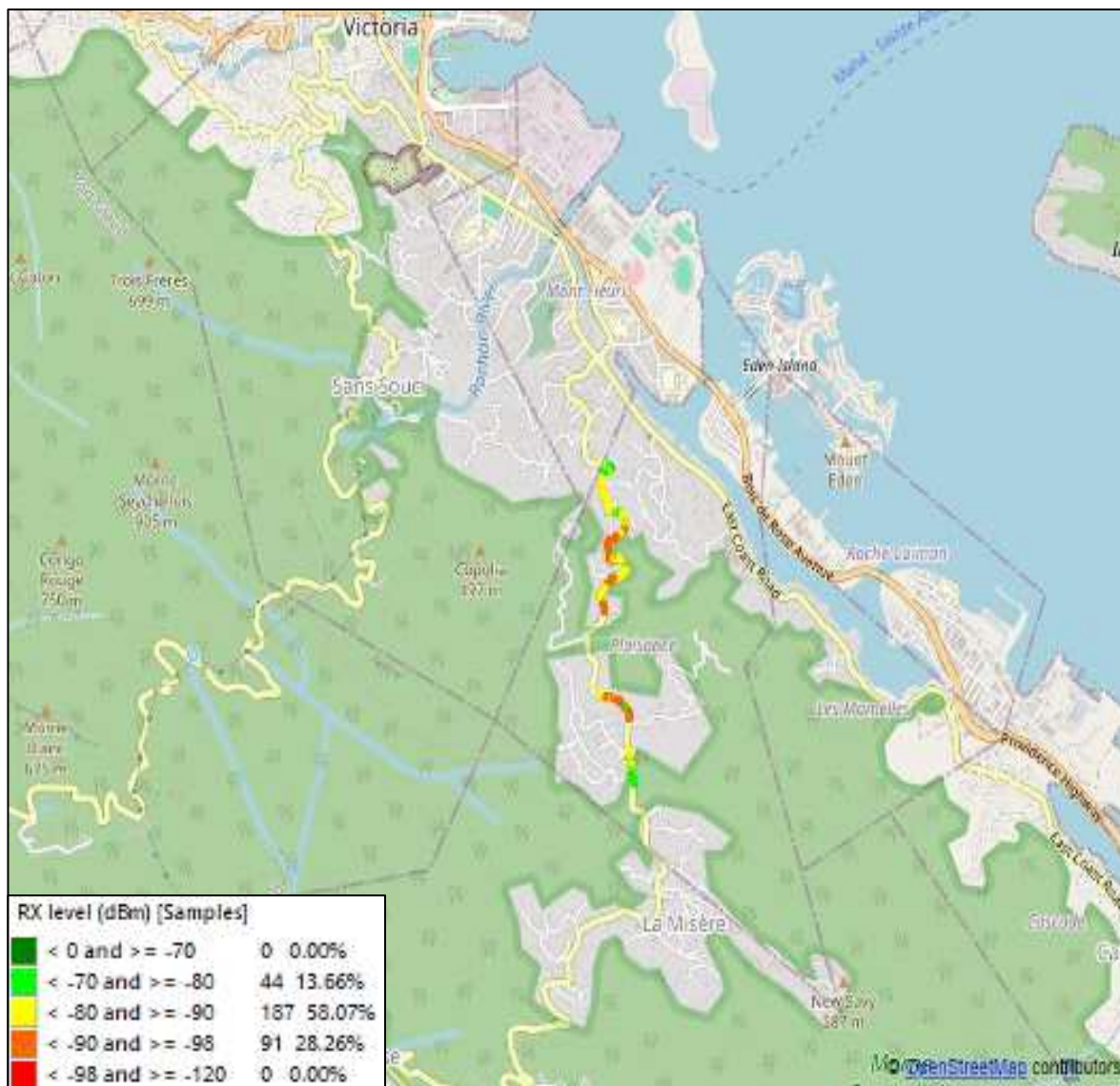
Airtel LC MO



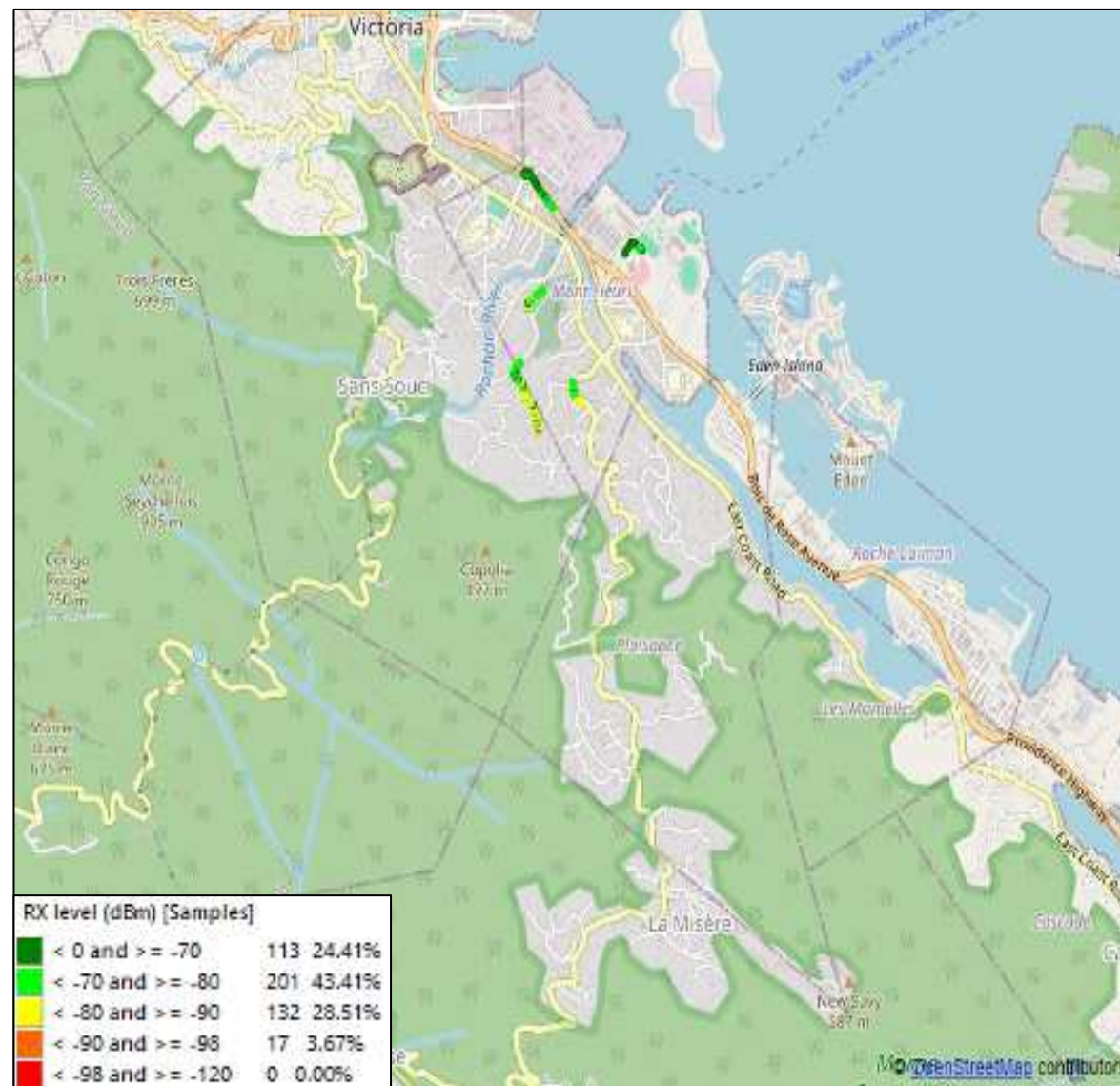
CWS LC MO



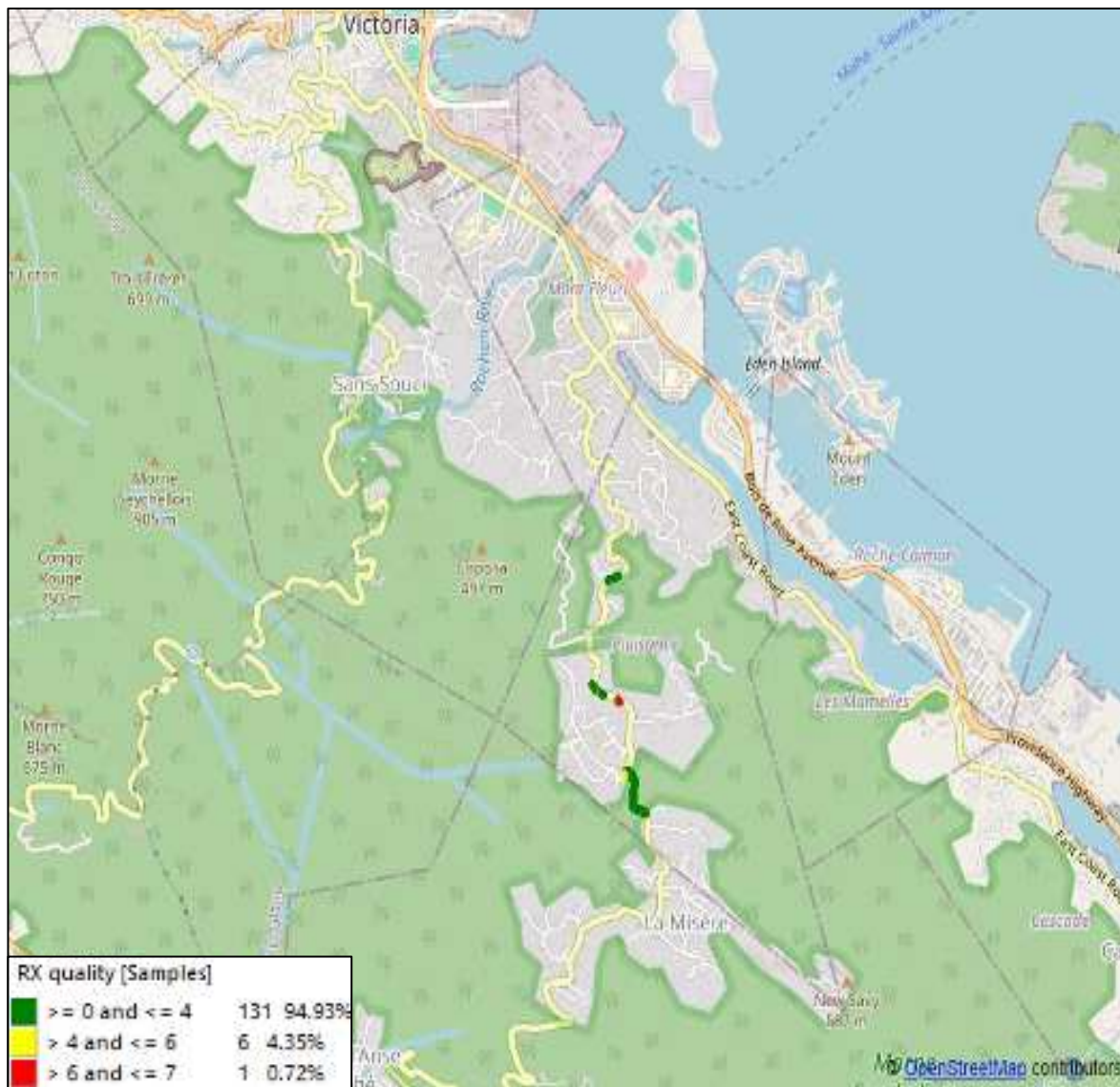
Airtel LC MO



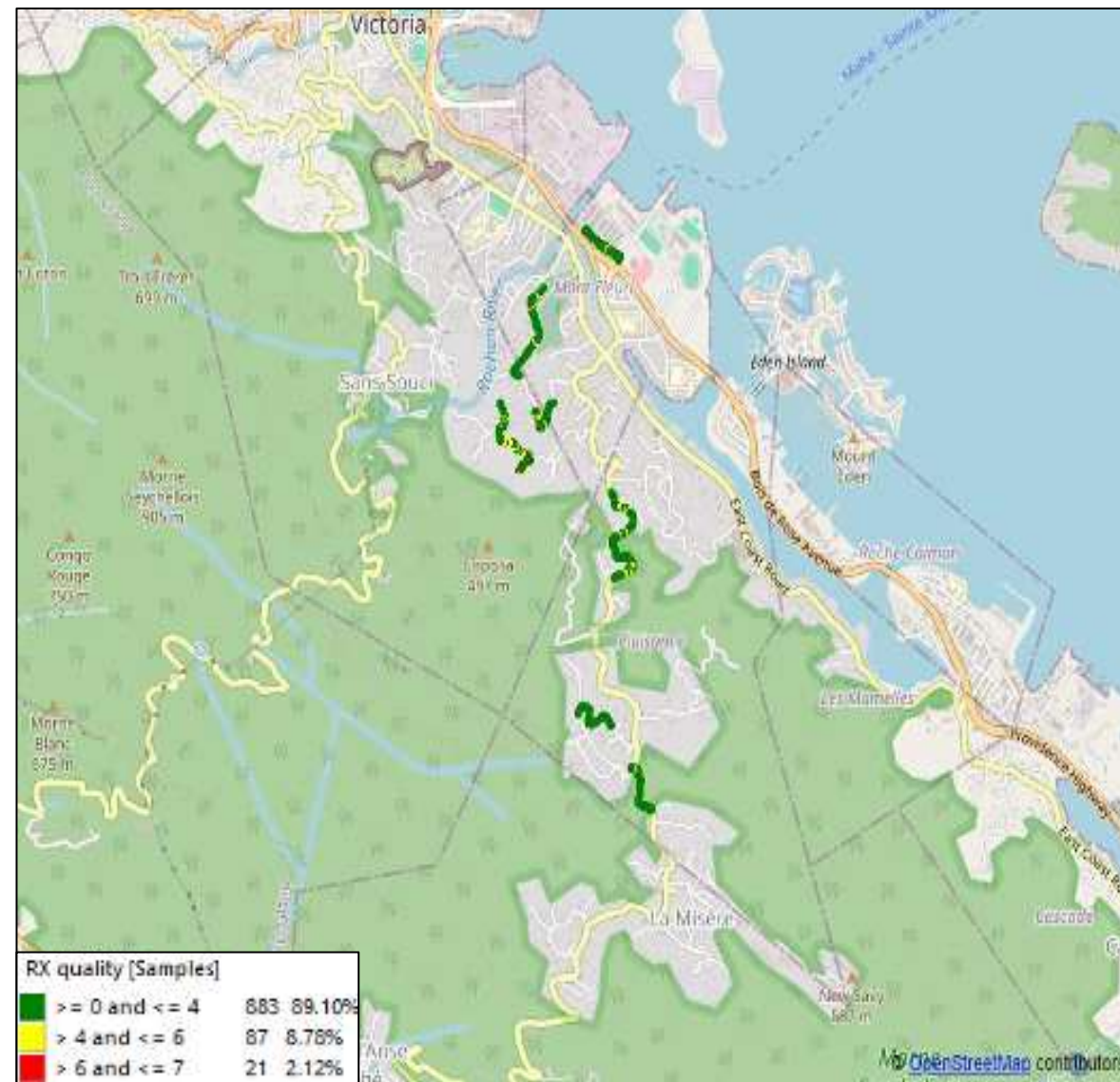
CWS LC MO



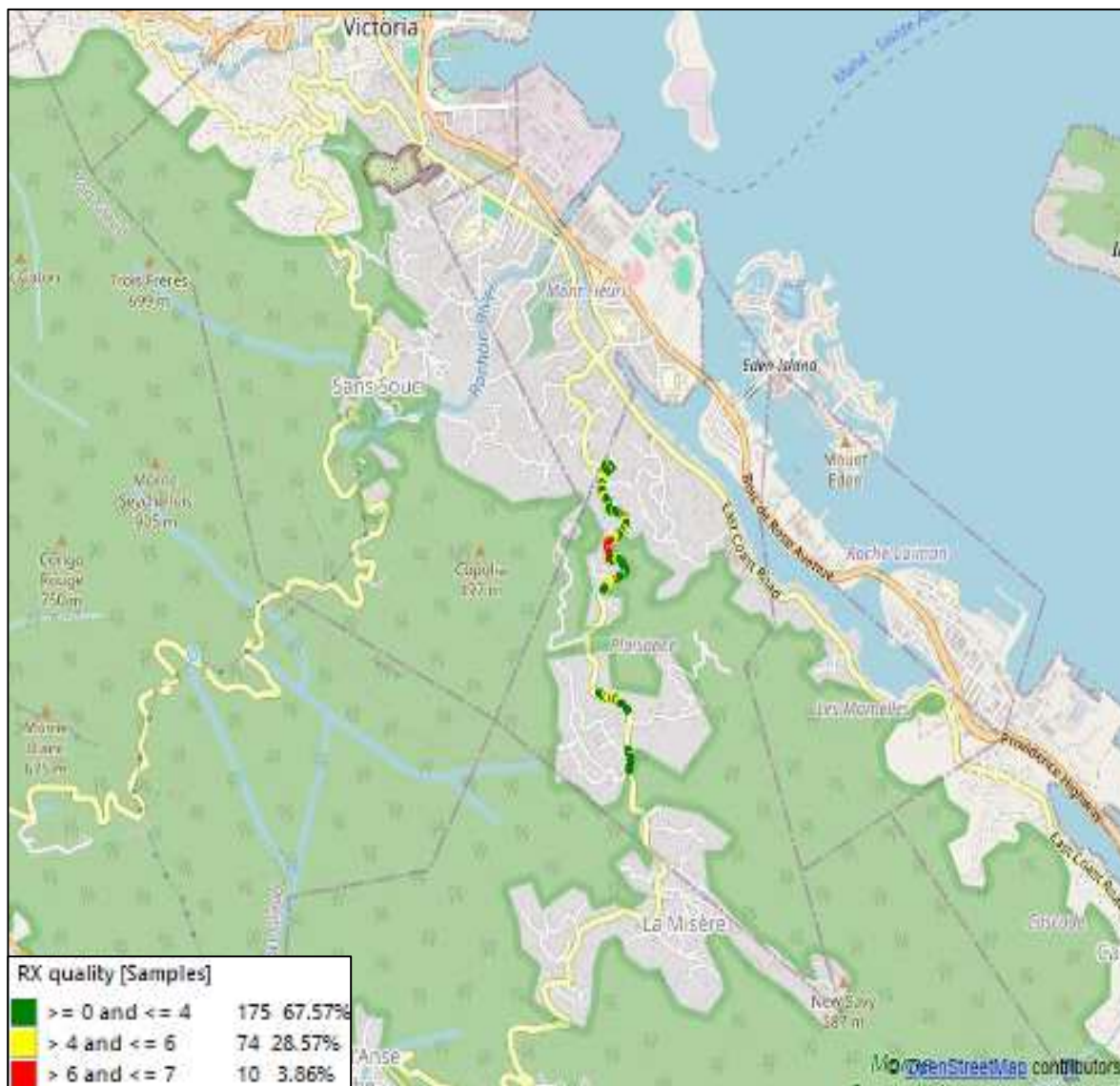
Airtel LC MO



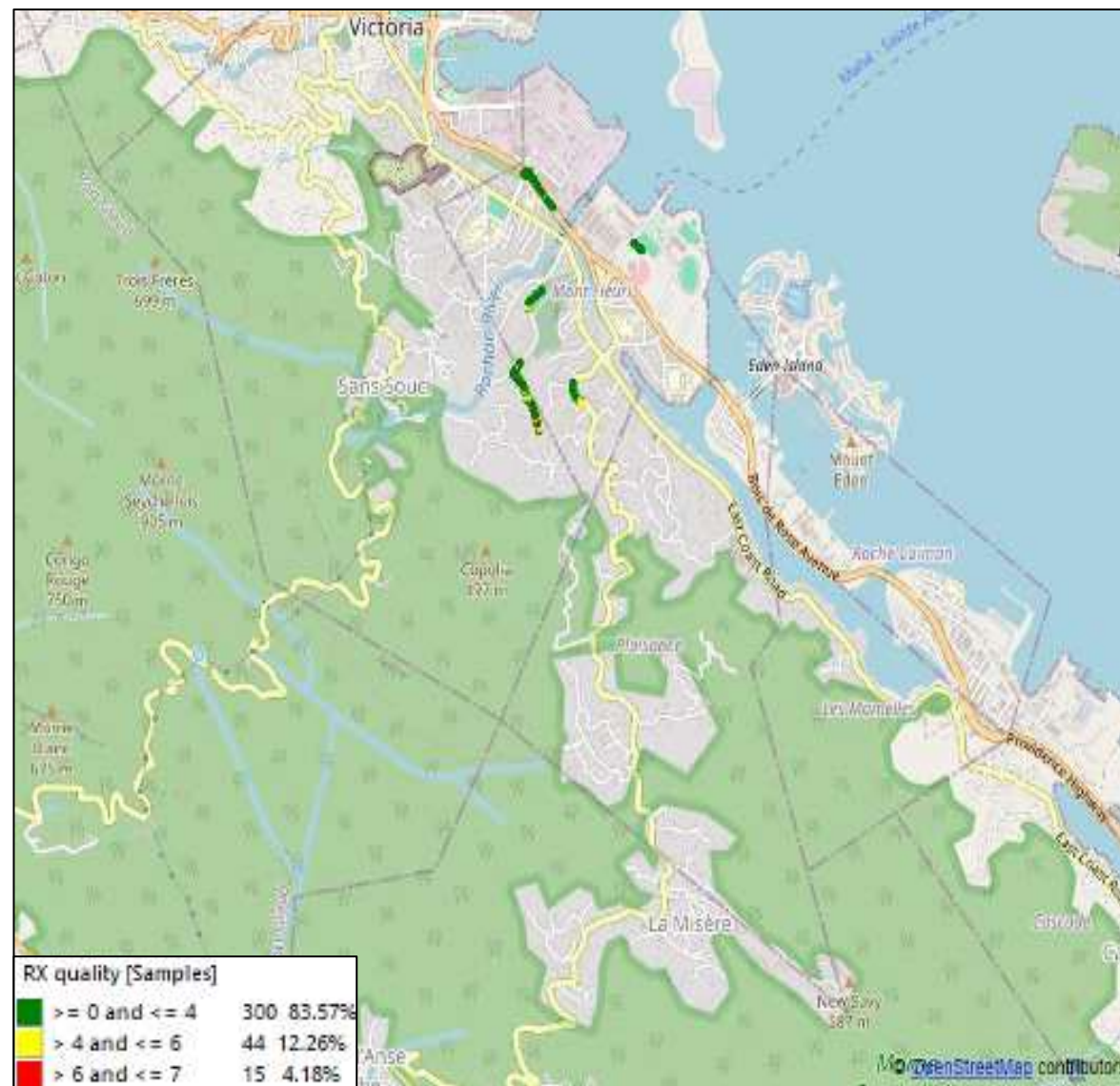
CWS LC MO



Airtel LC MO

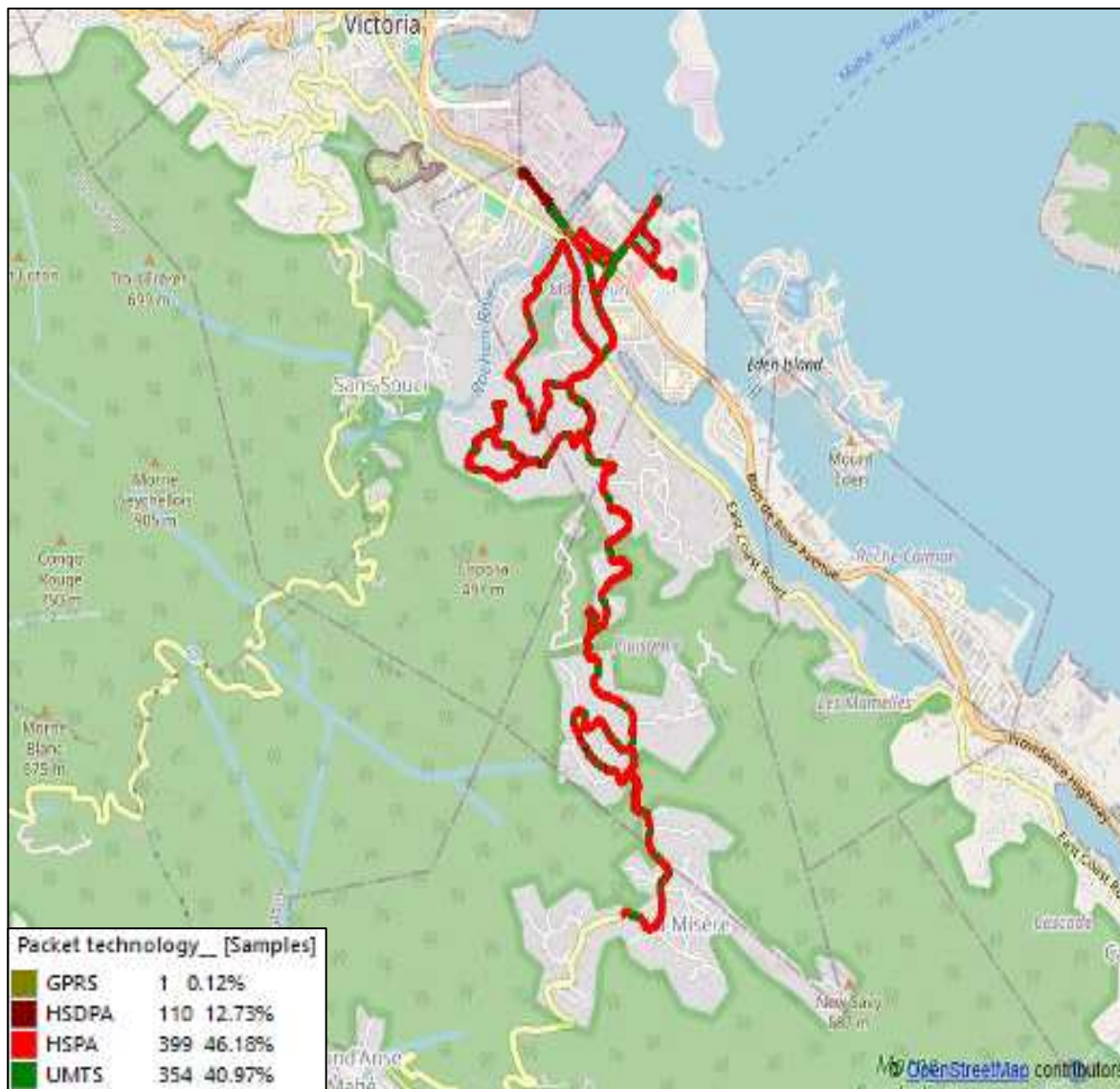


CWS LC MO

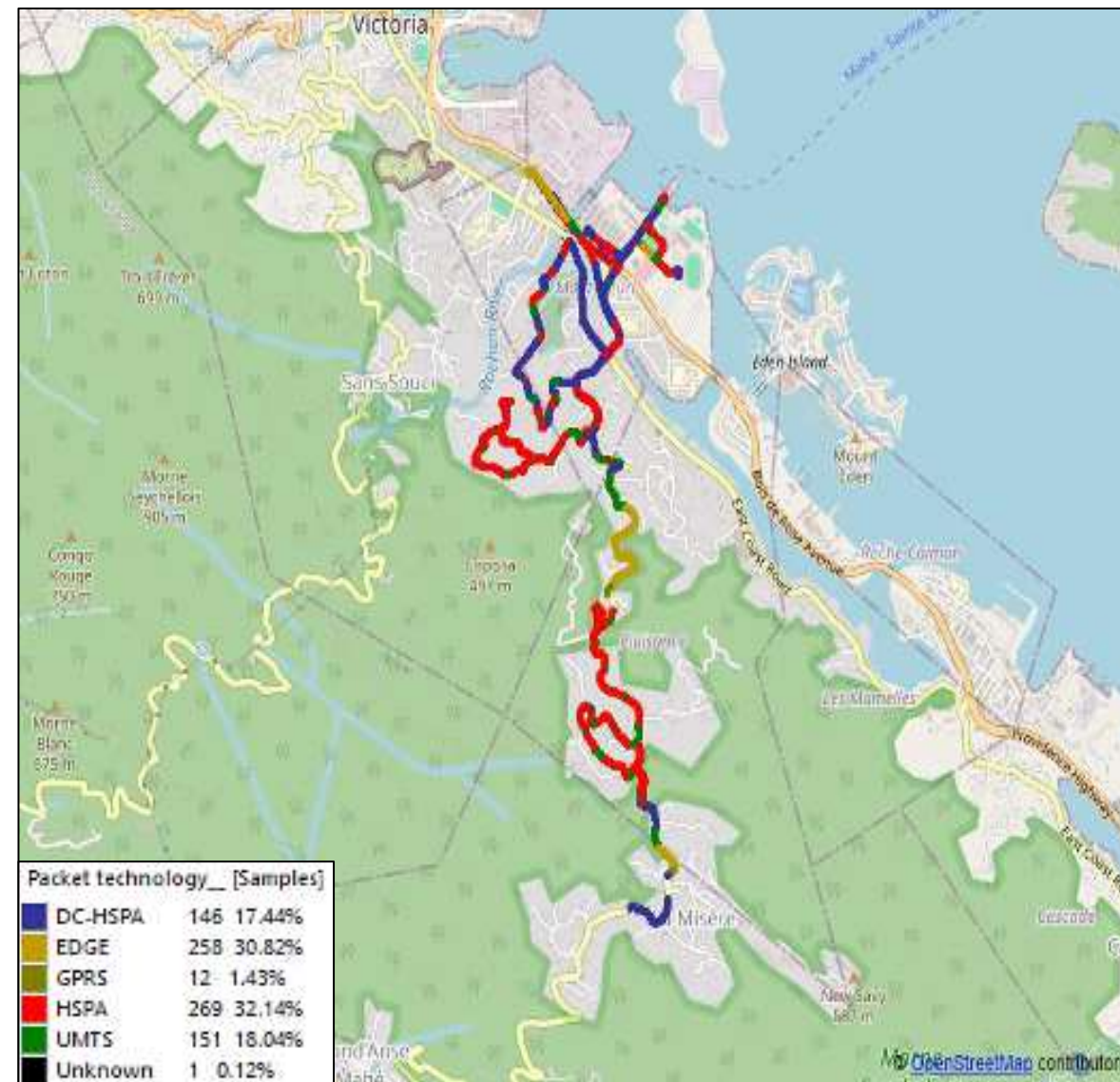


3G PREFERRED DATA DRIVE PLOTS

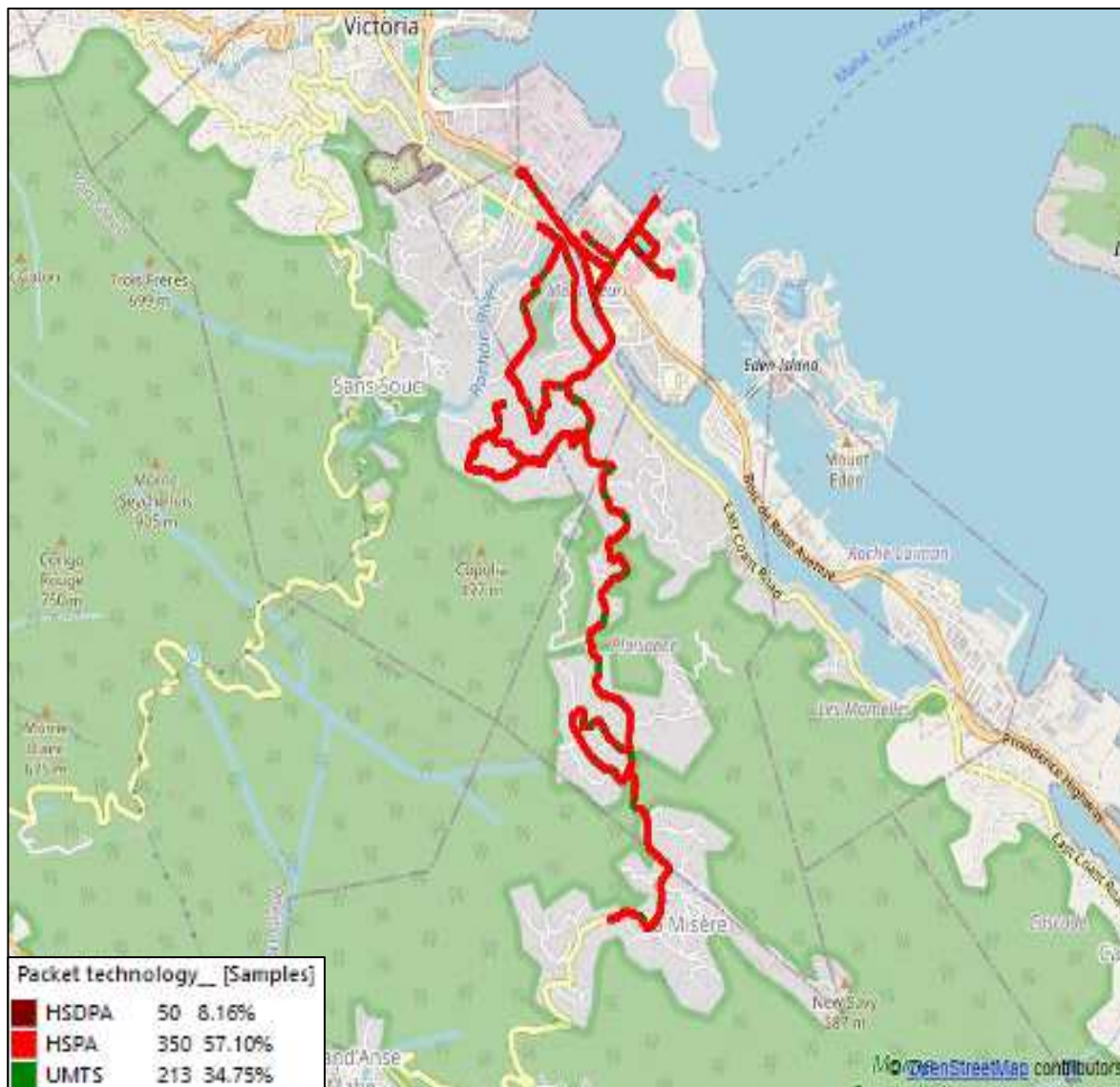
Airtel Data 3G



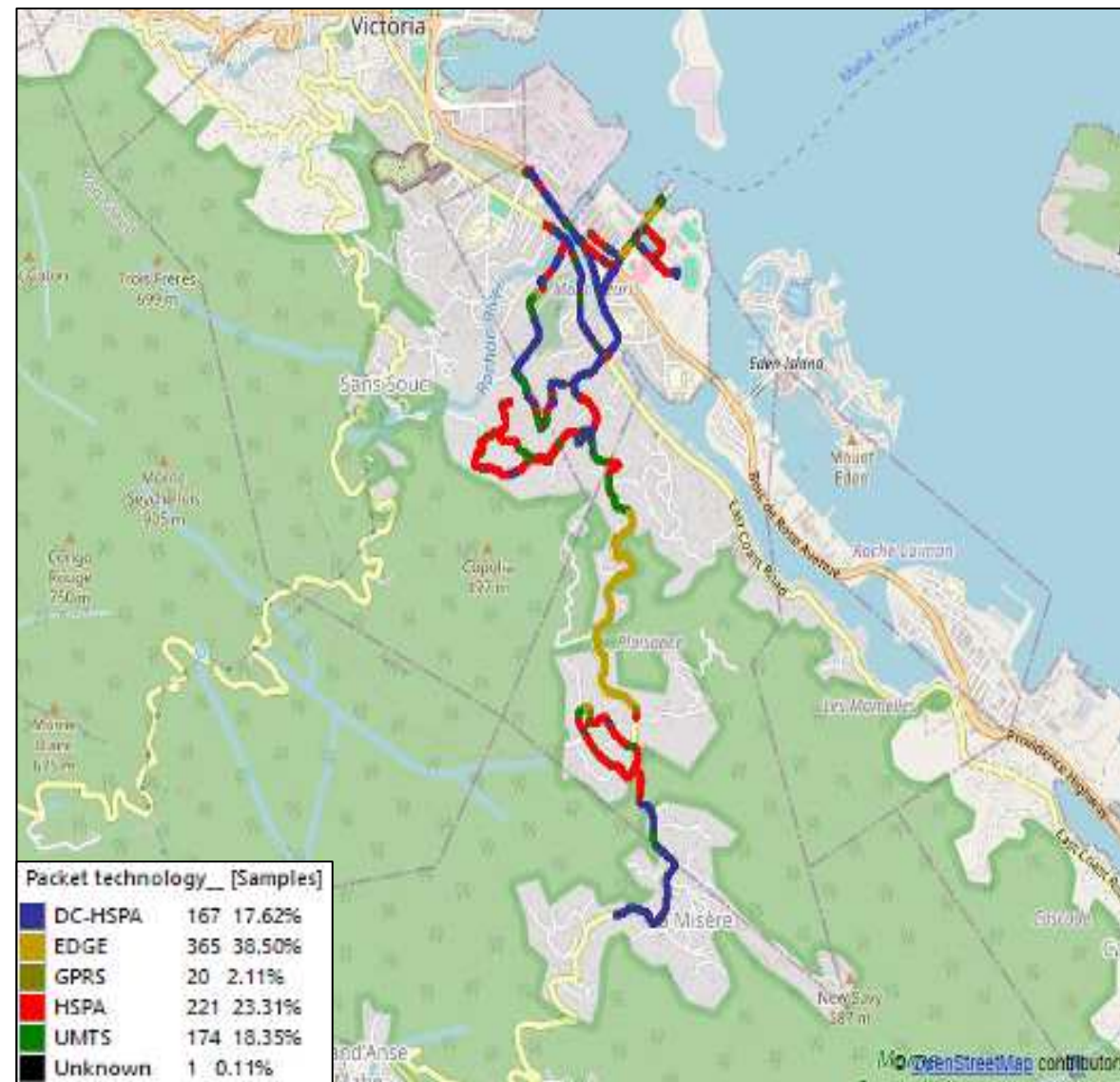
CWS Data 3G



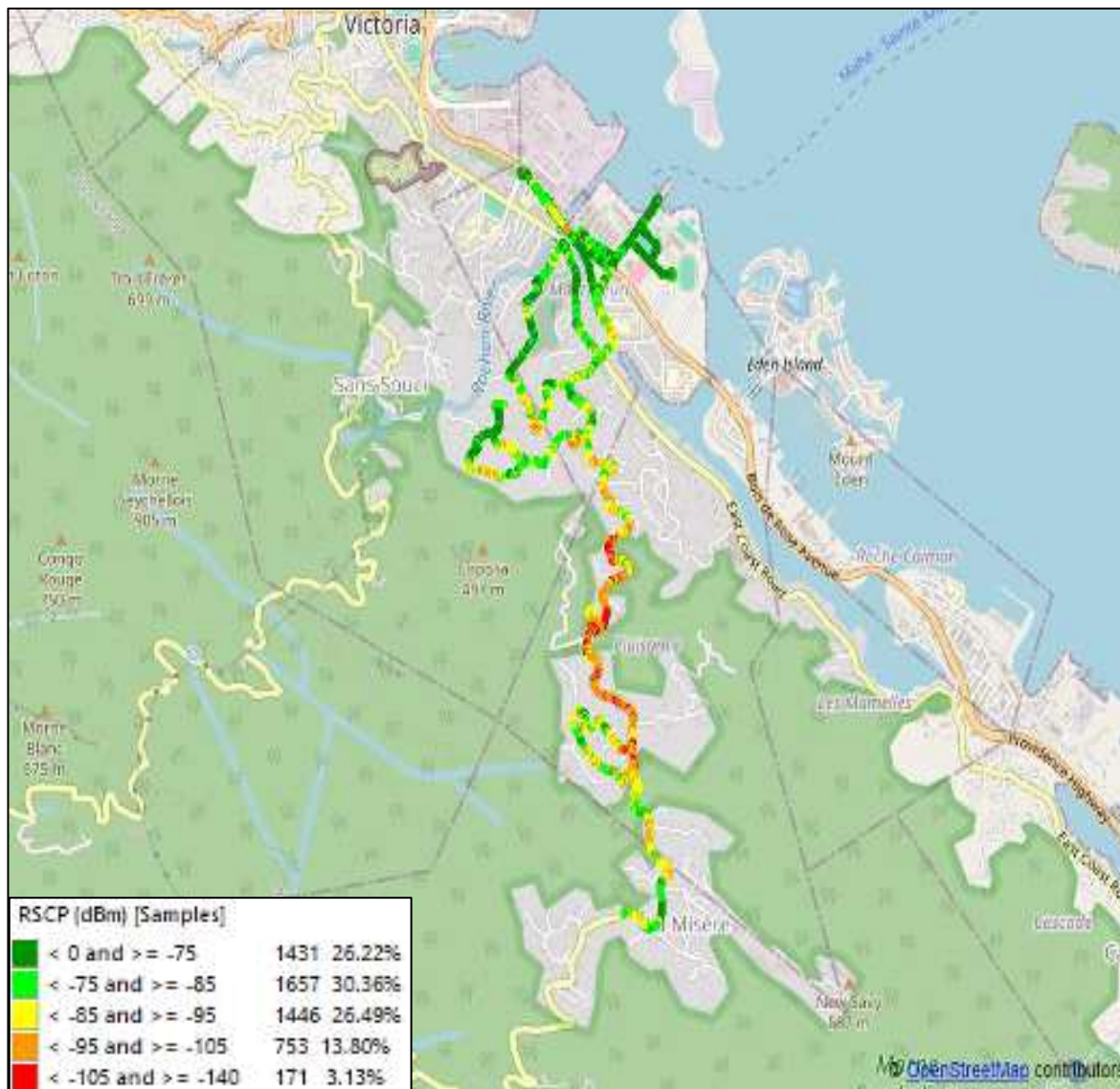
Airtel Data 3G



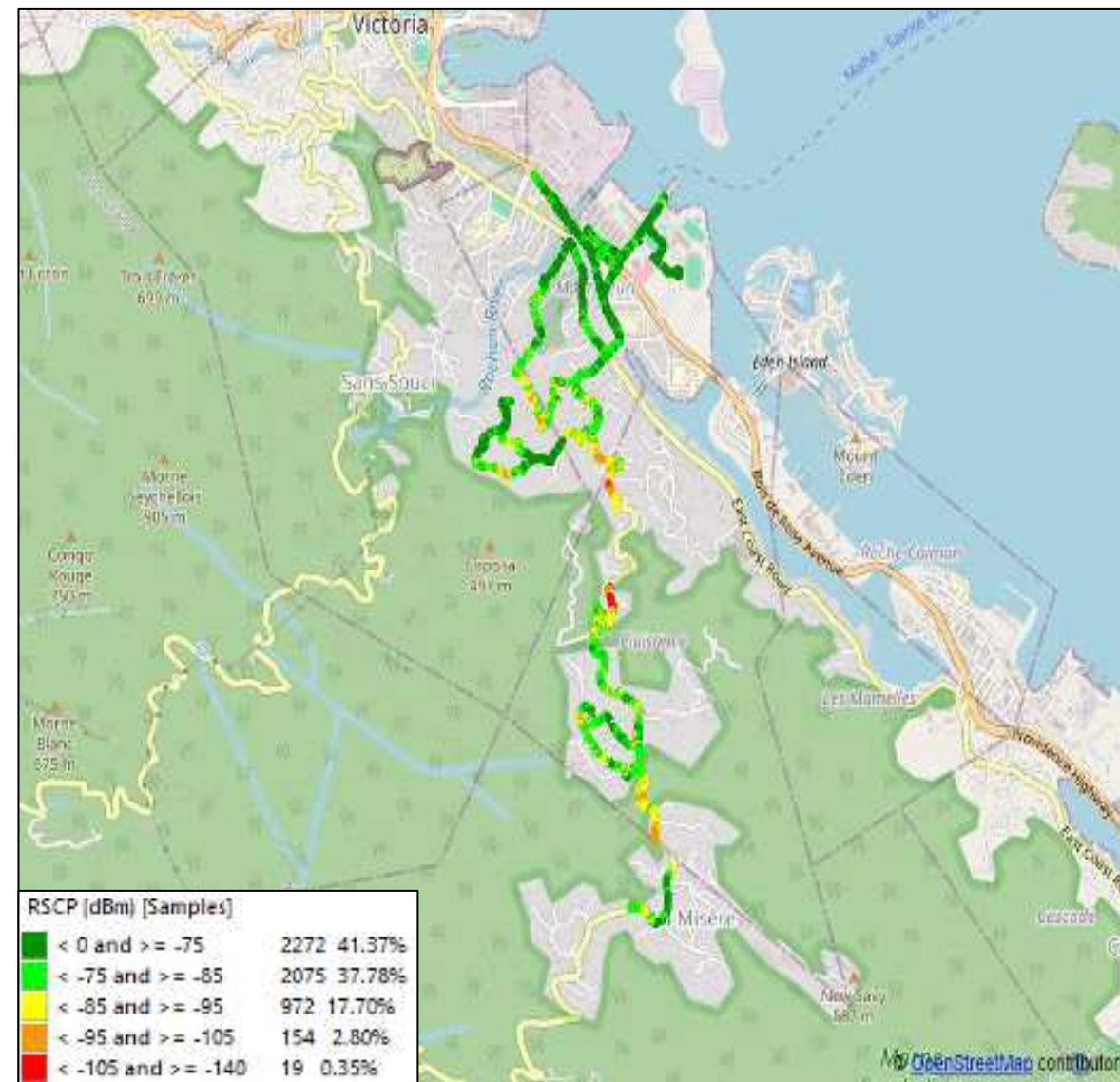
CWS Data 3G



Airtel Data 3G

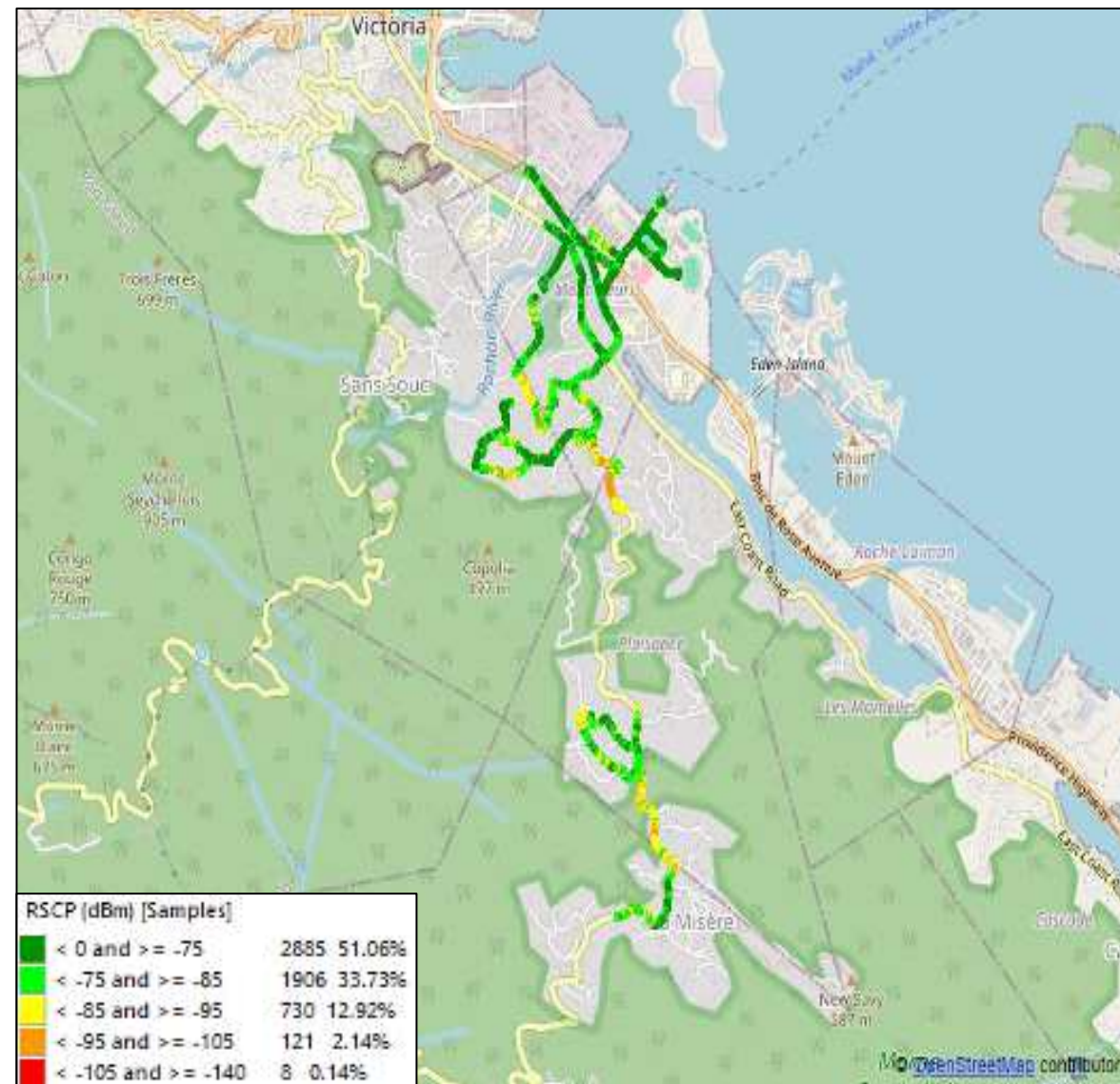
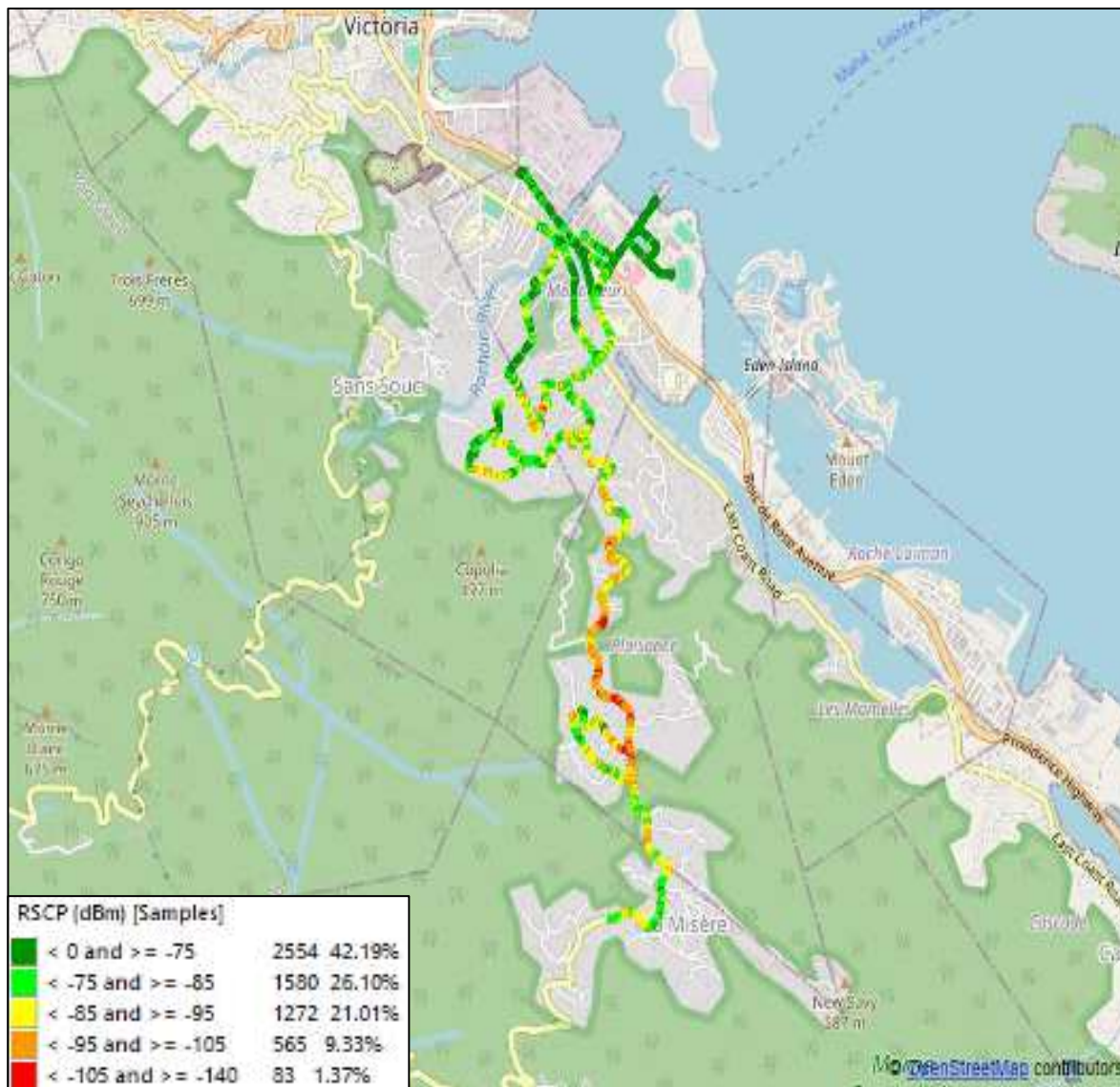


CWS Data 3G

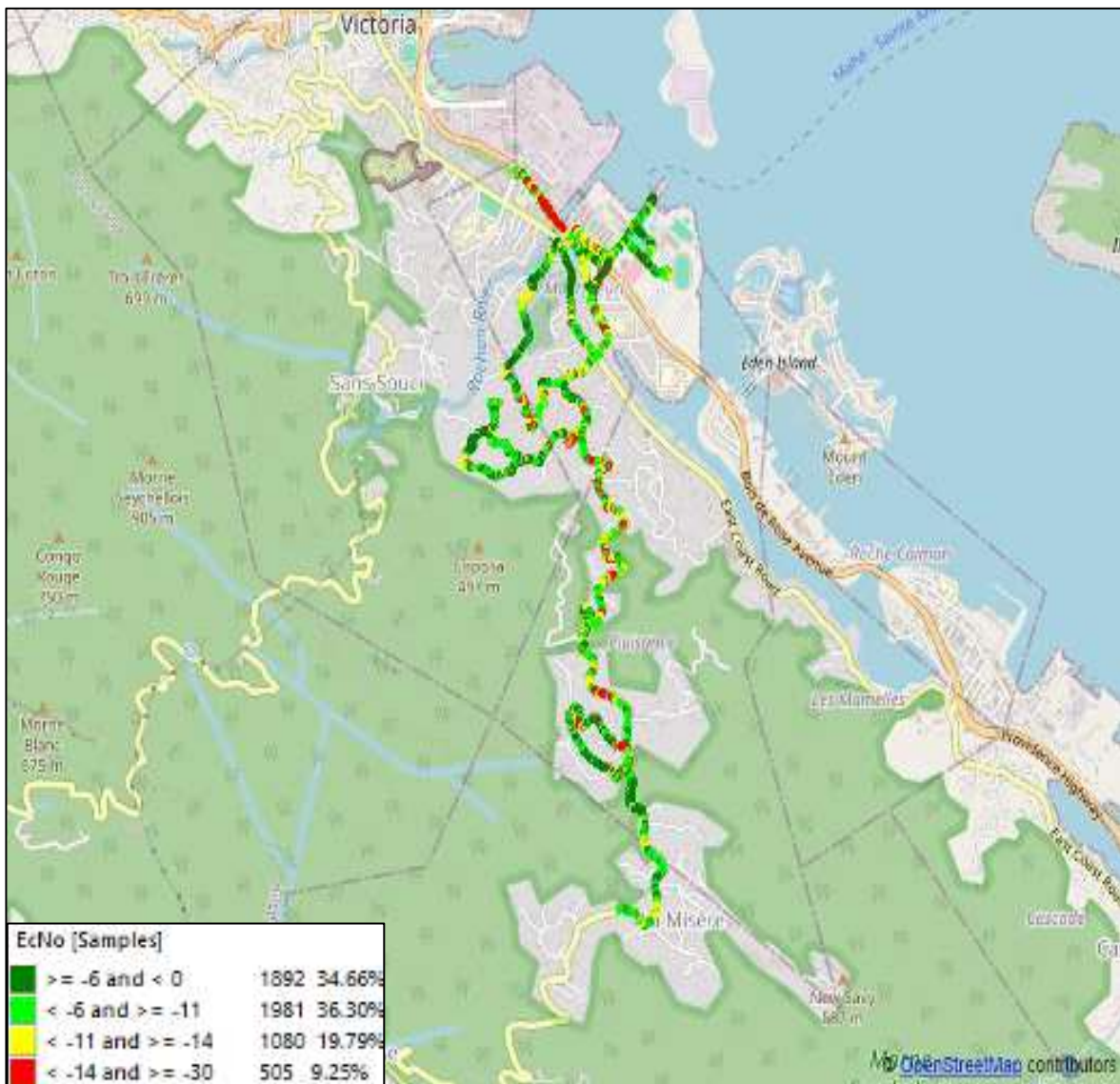


Airtel Data 3G

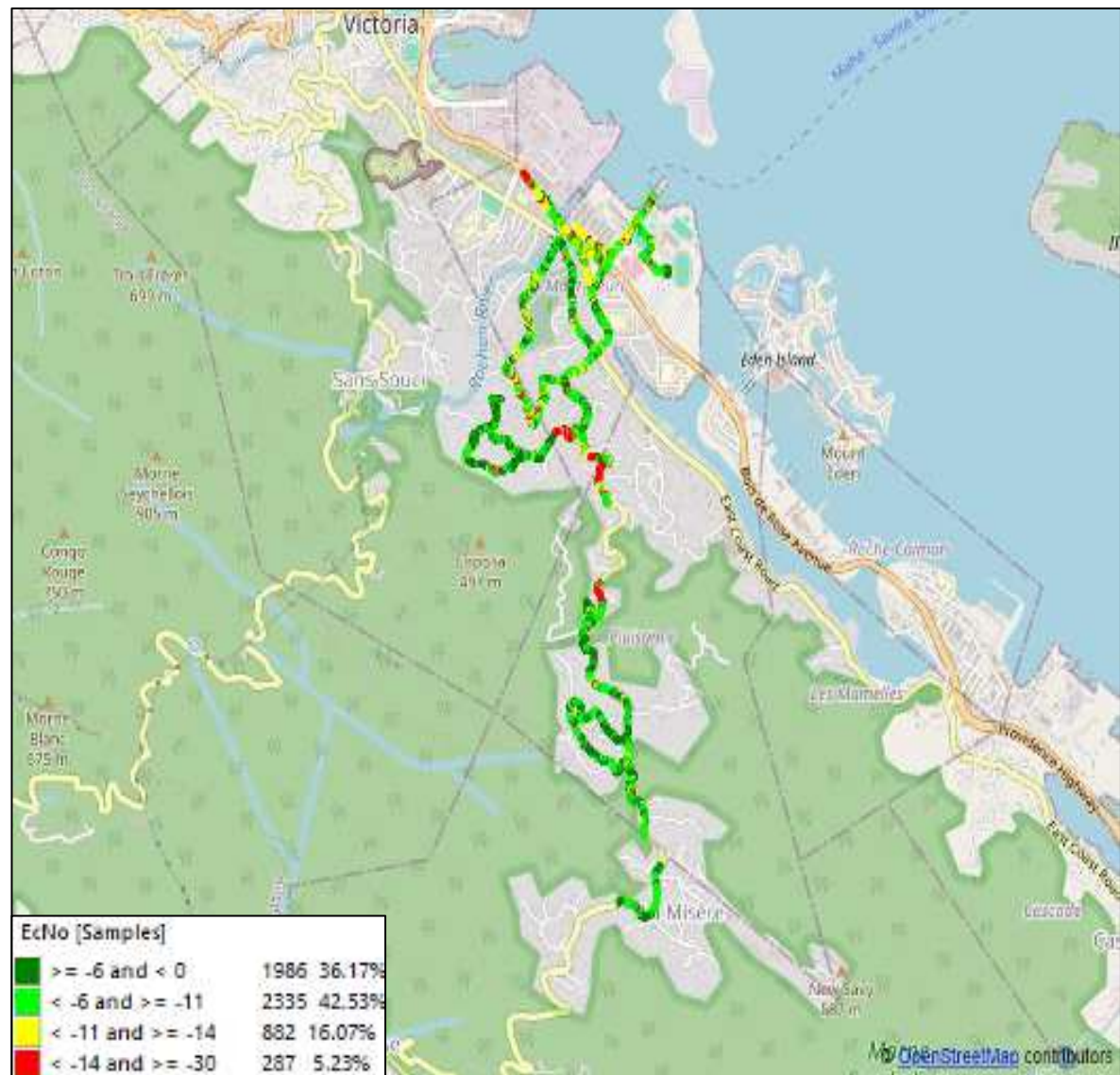
CWS Data 3G



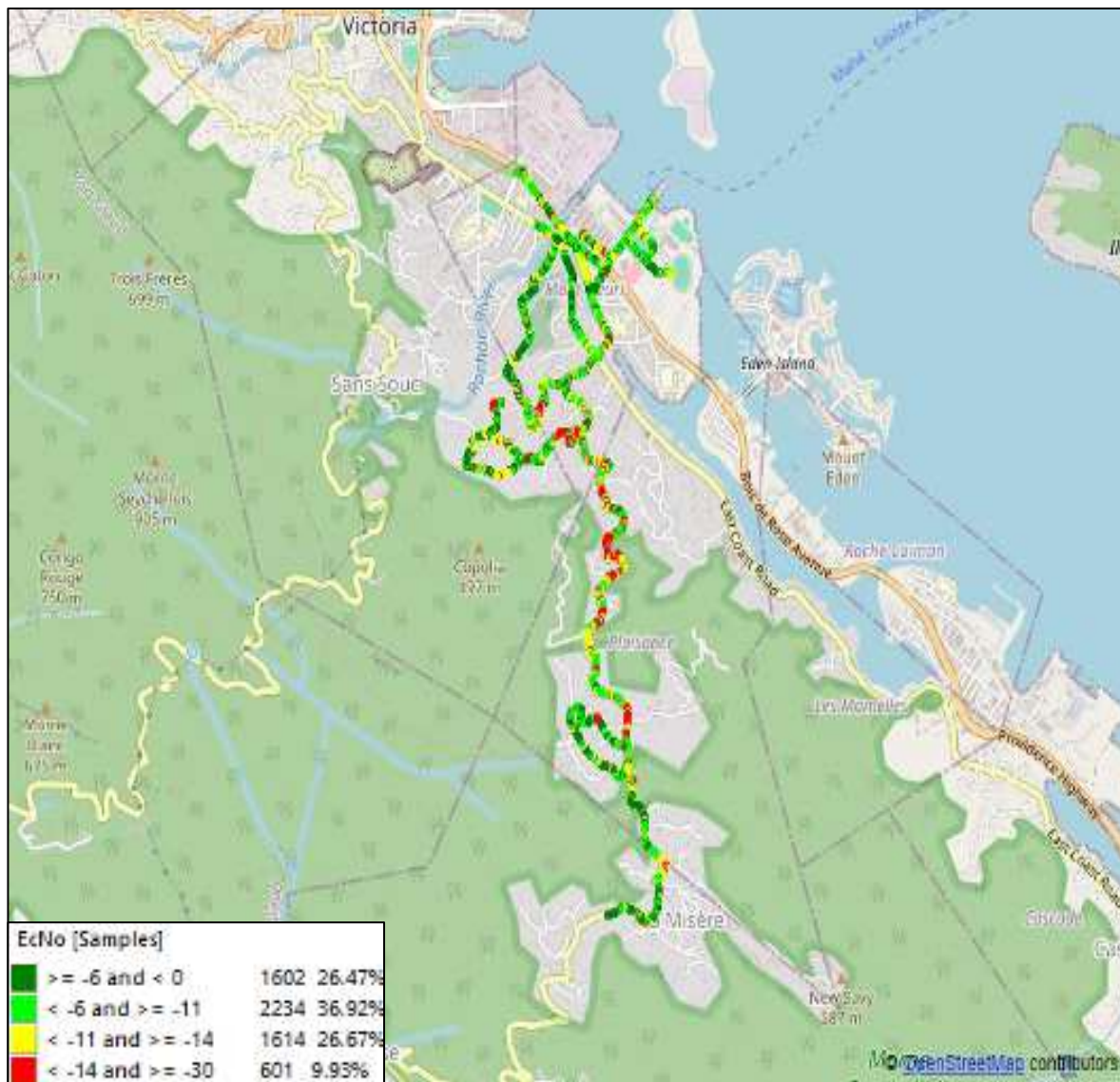
Airtel Data 3G



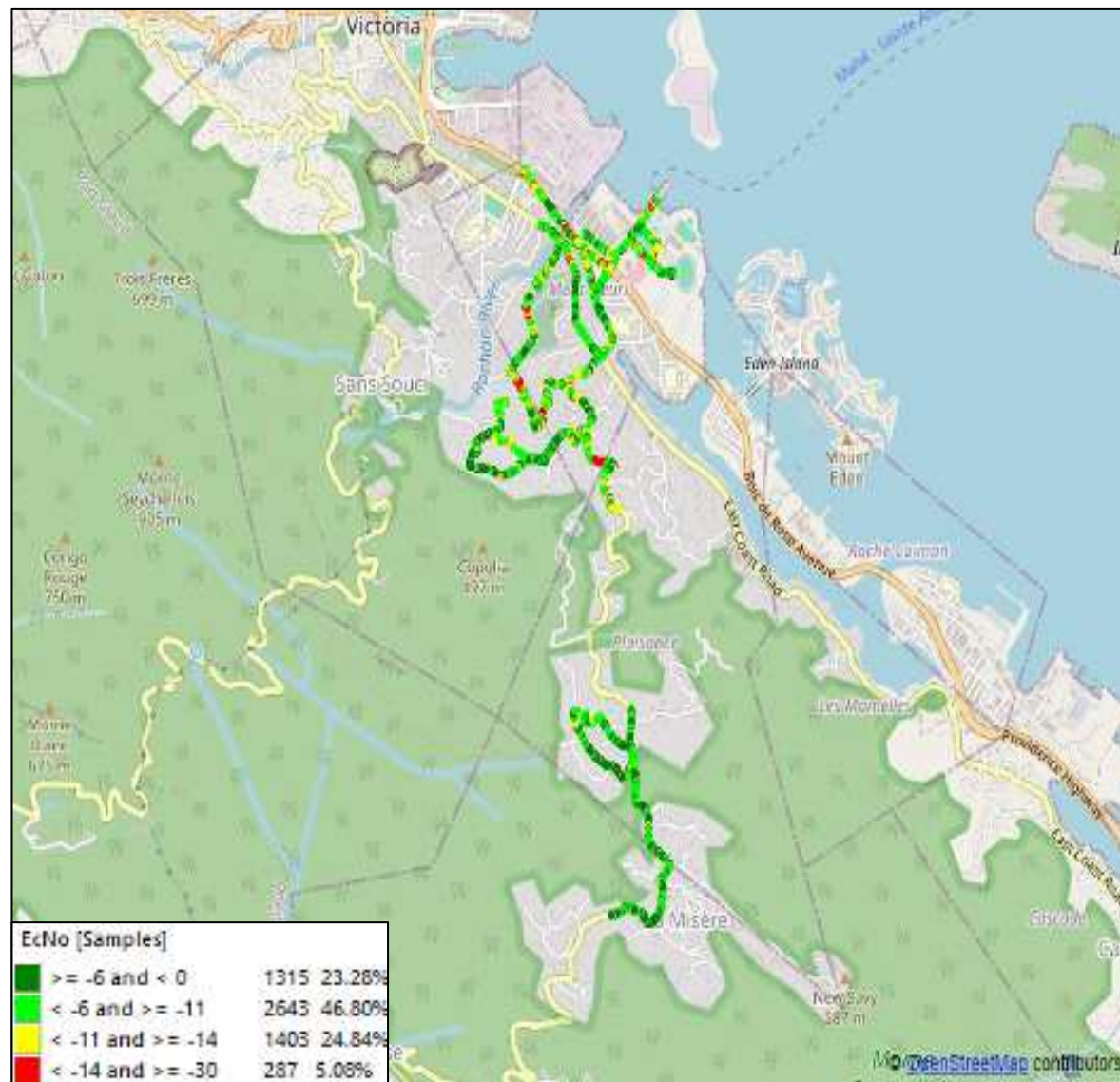
CWS Data 3G



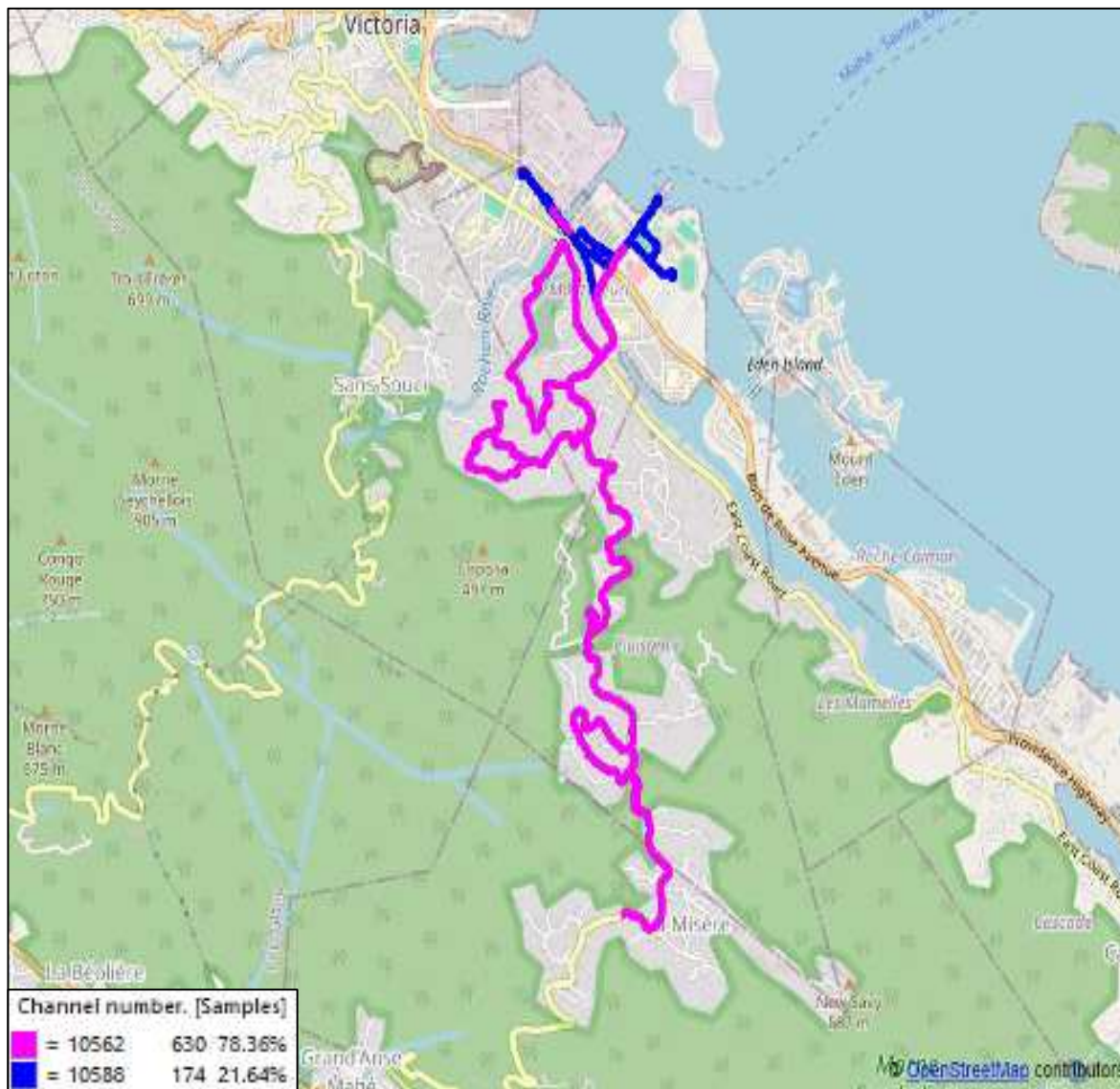
Airtel Data 3G



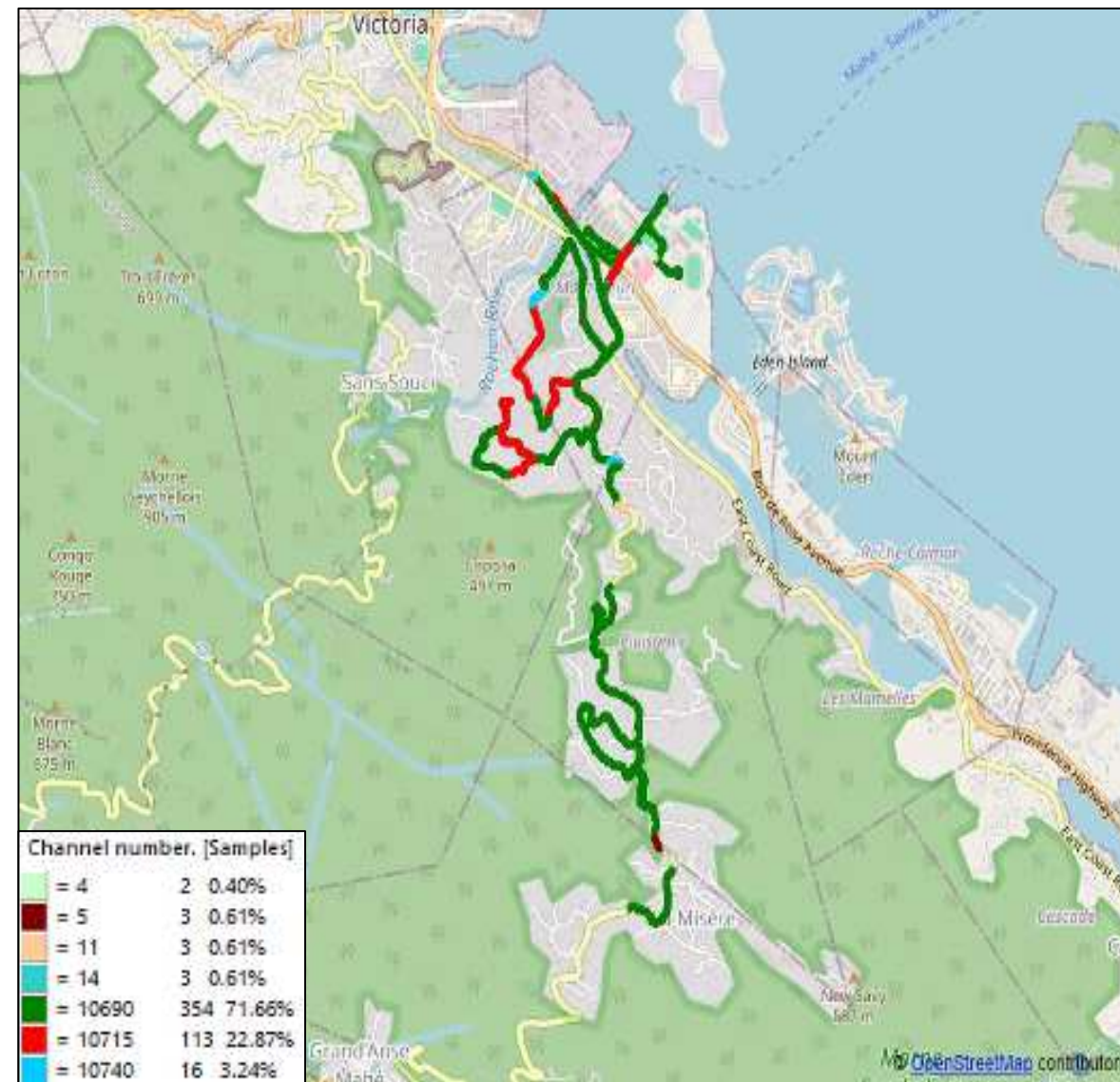
CWS Data 3G



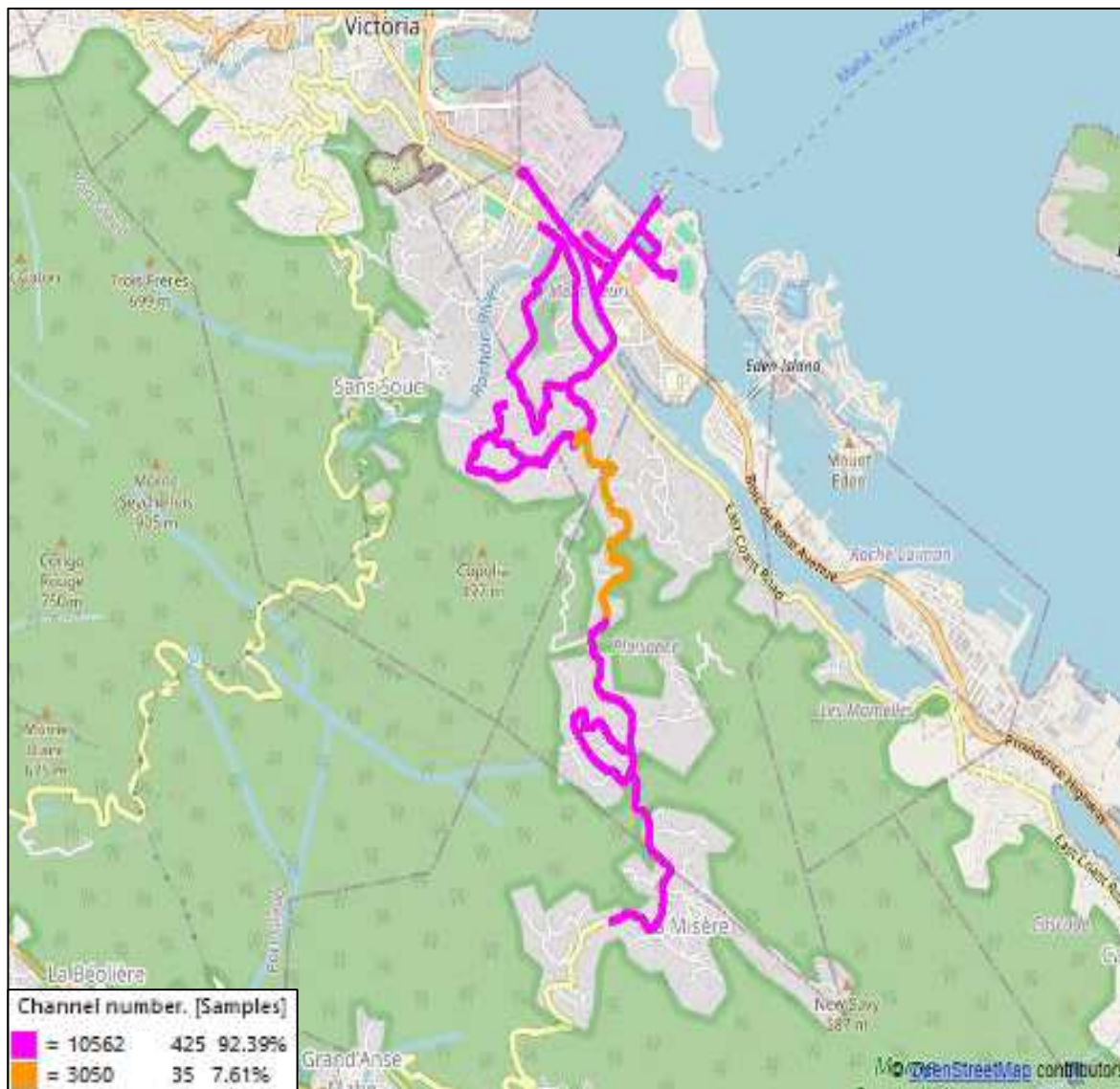
Airtel Data 3G



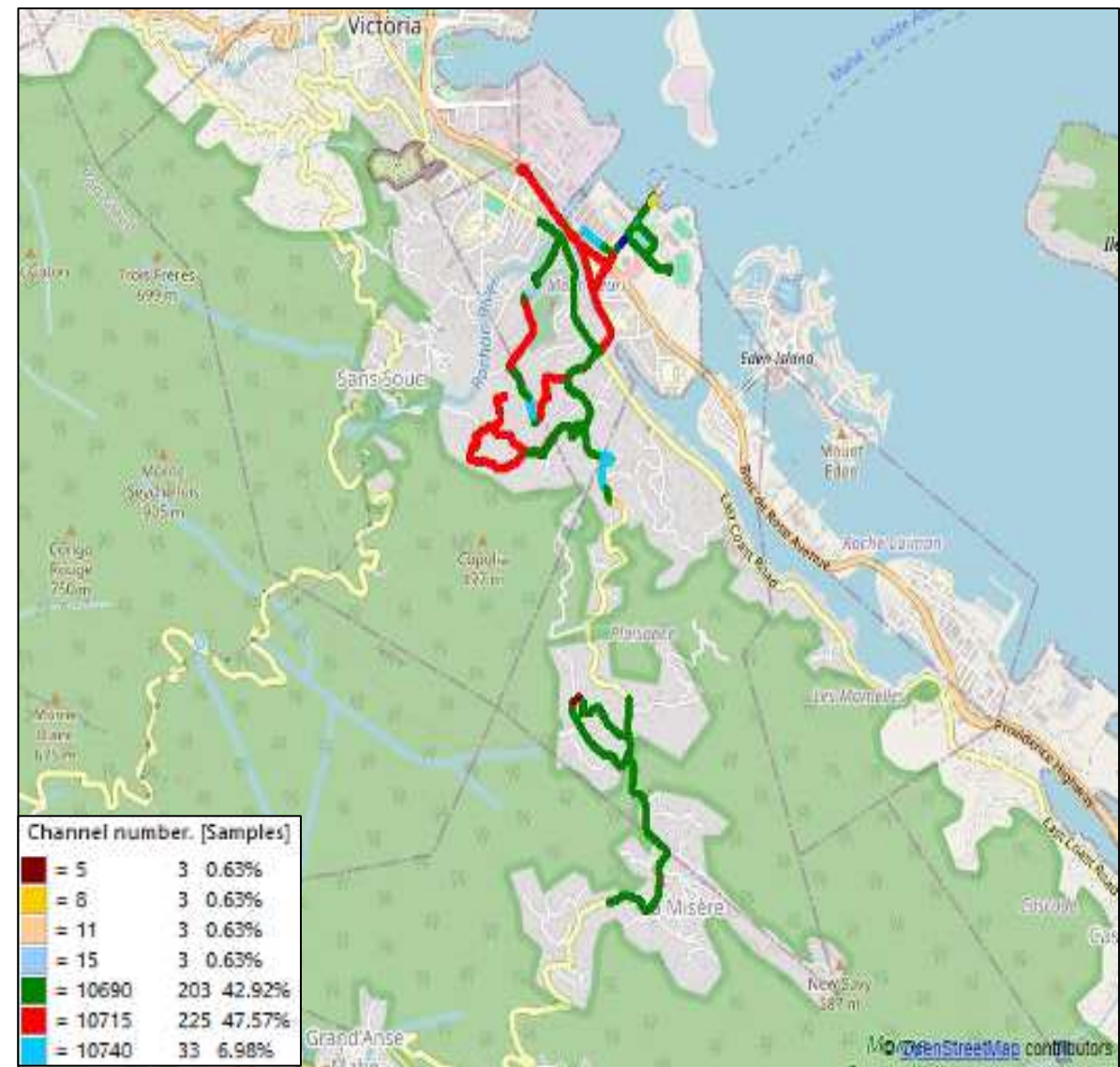
CWS Data 3G



Airtel Data 3G

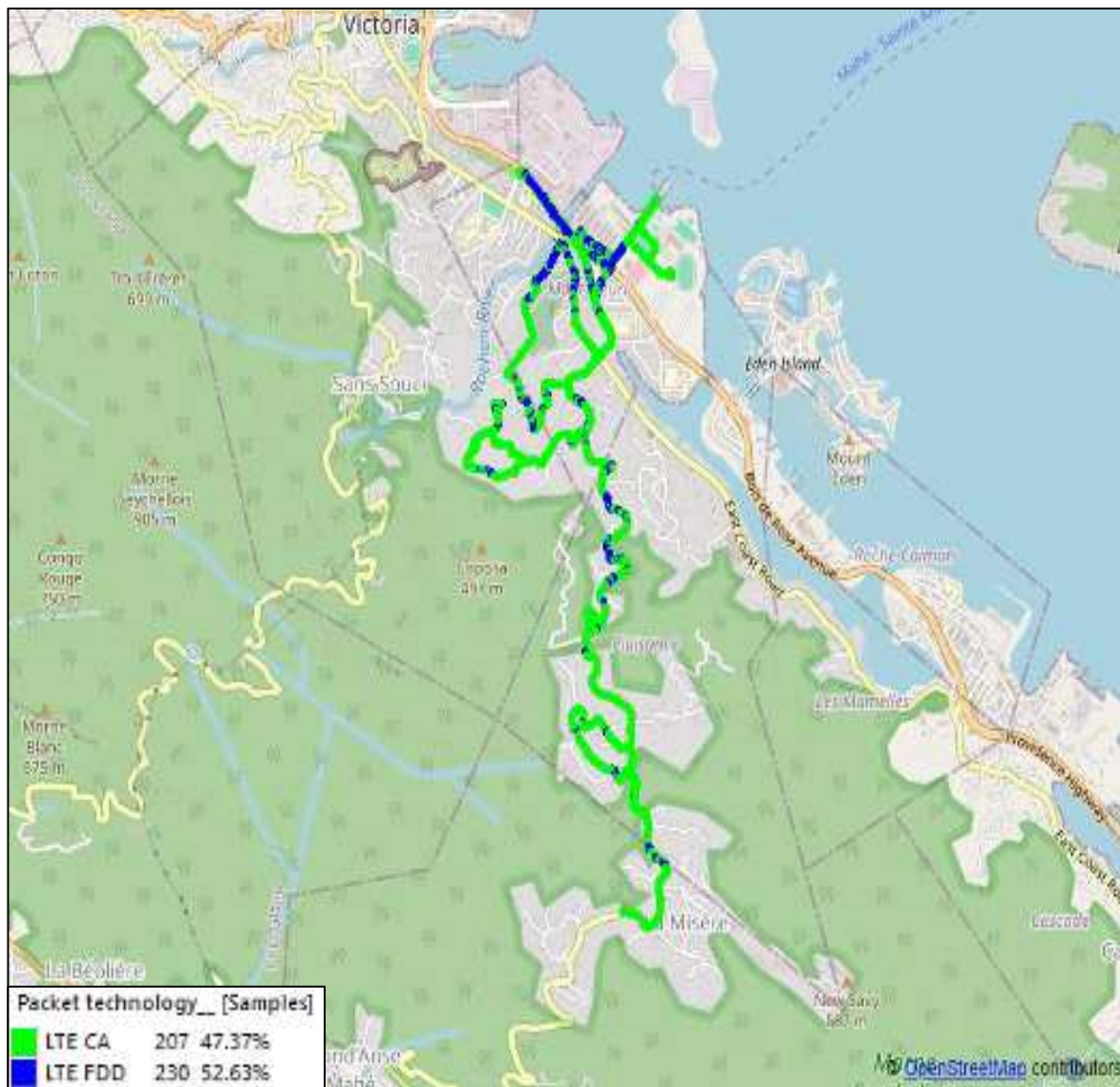


CWS Data 3G

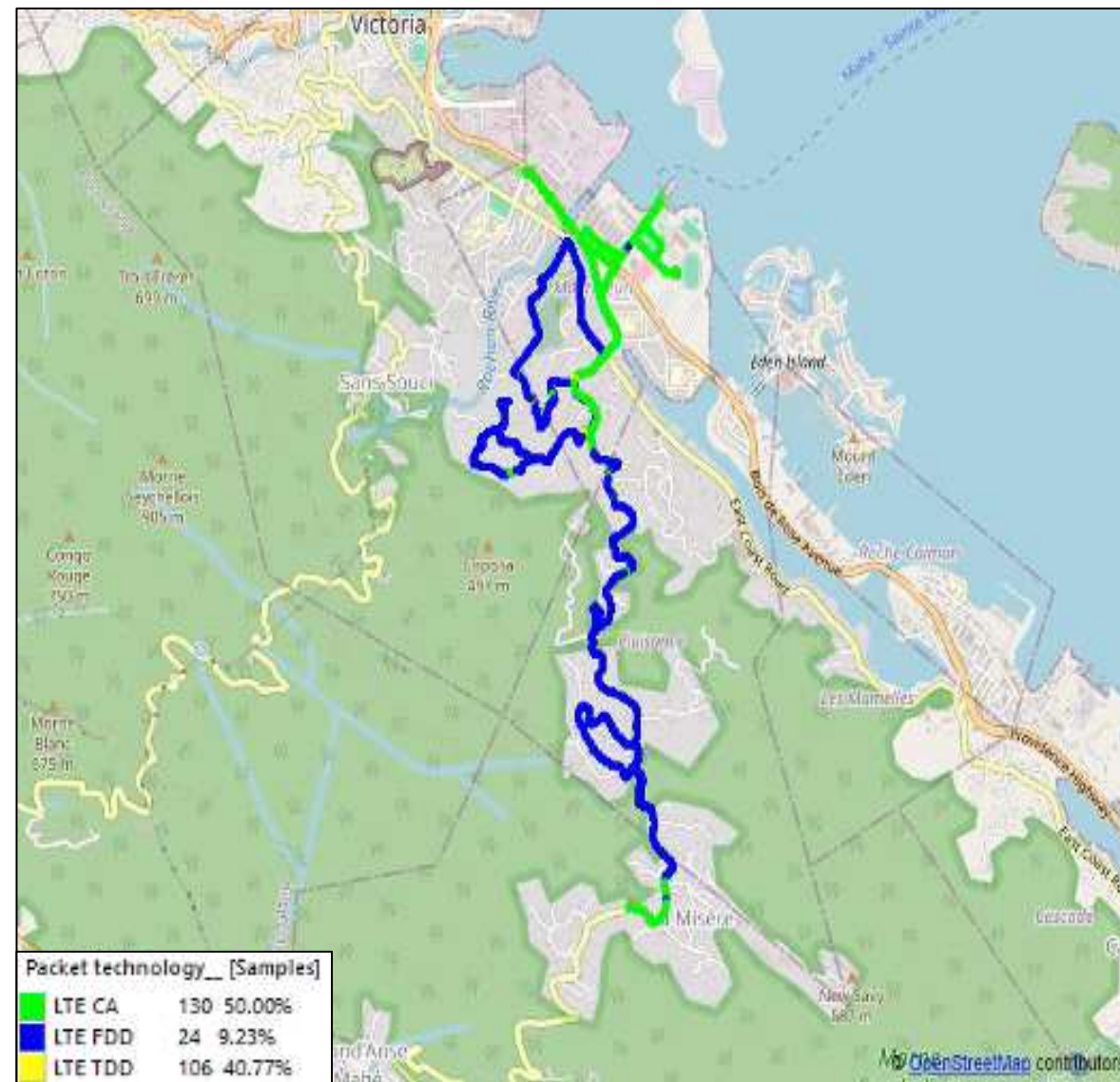


4G PREFERRED DATA DRIVE PLOTS

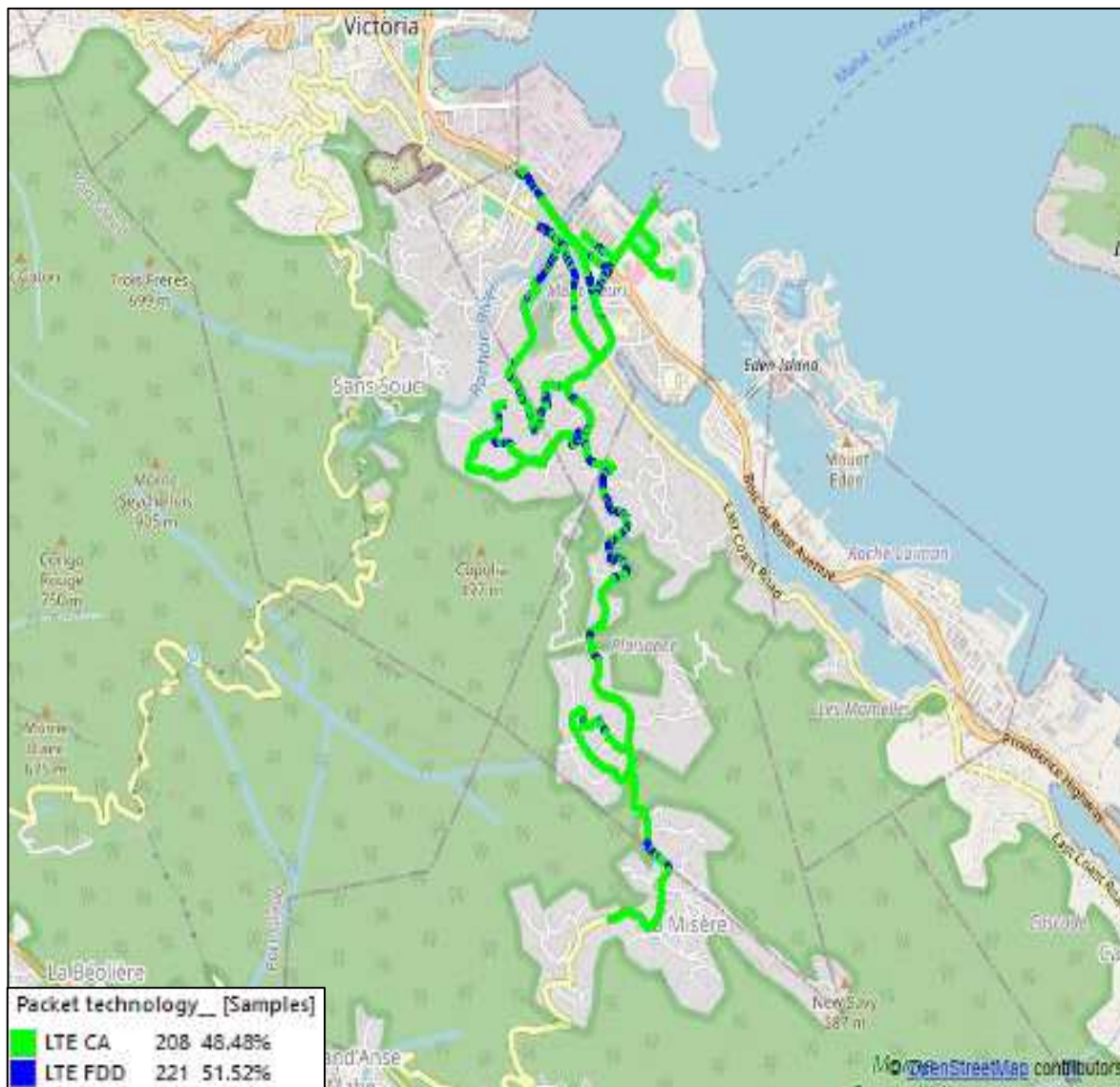
Airtel Data 4G



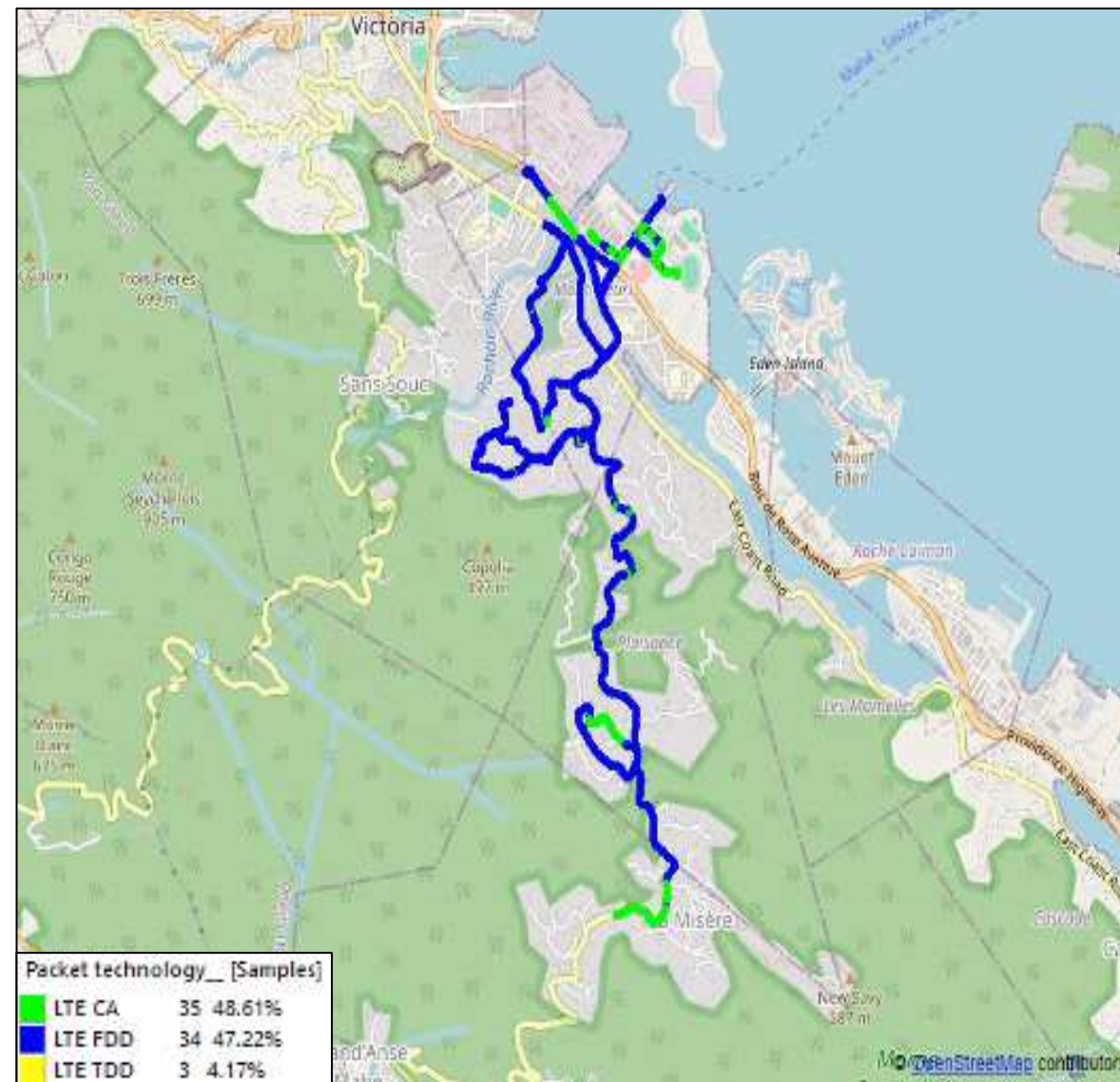
CWS Data 4G



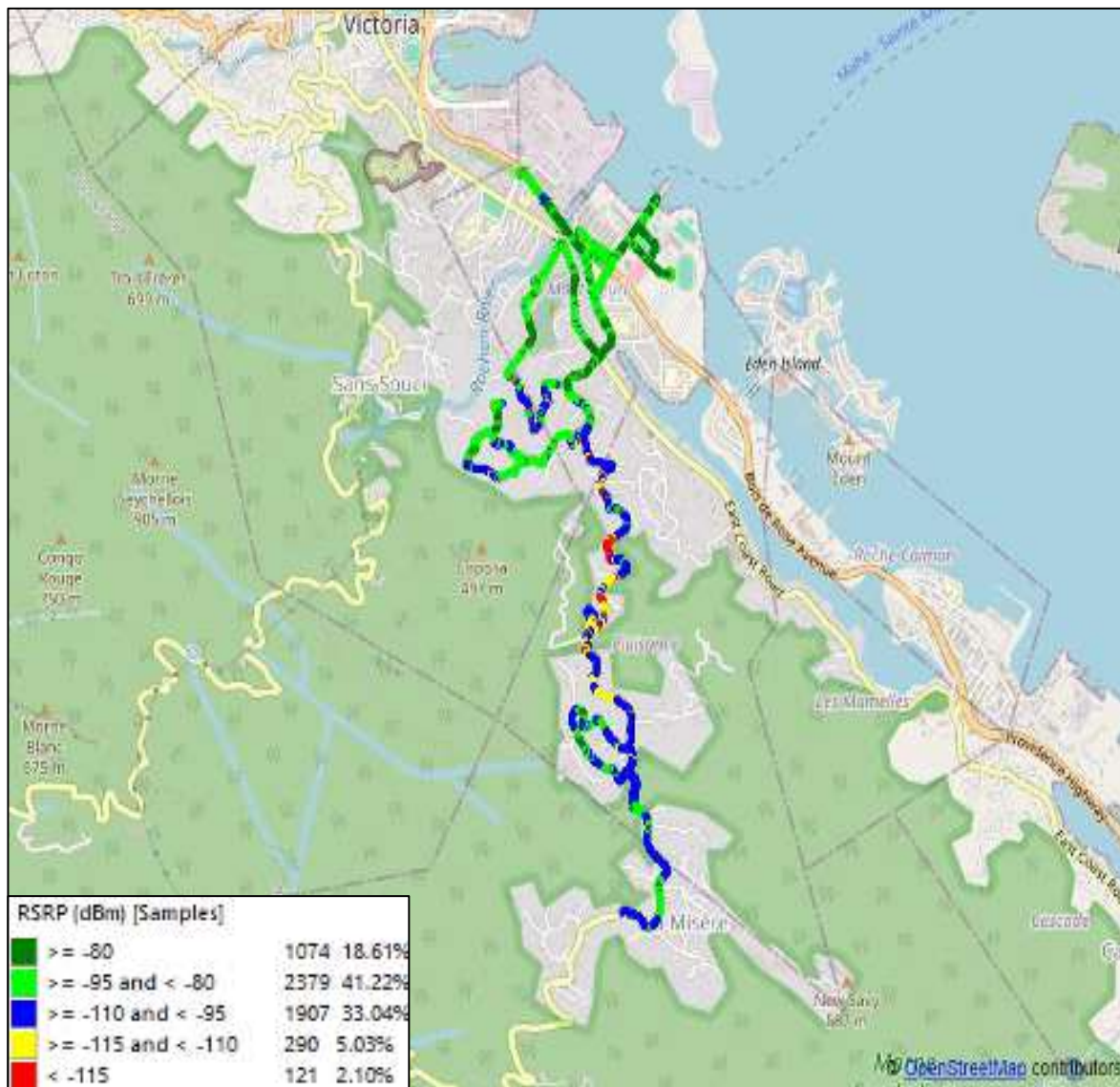
Airtel Data 4G



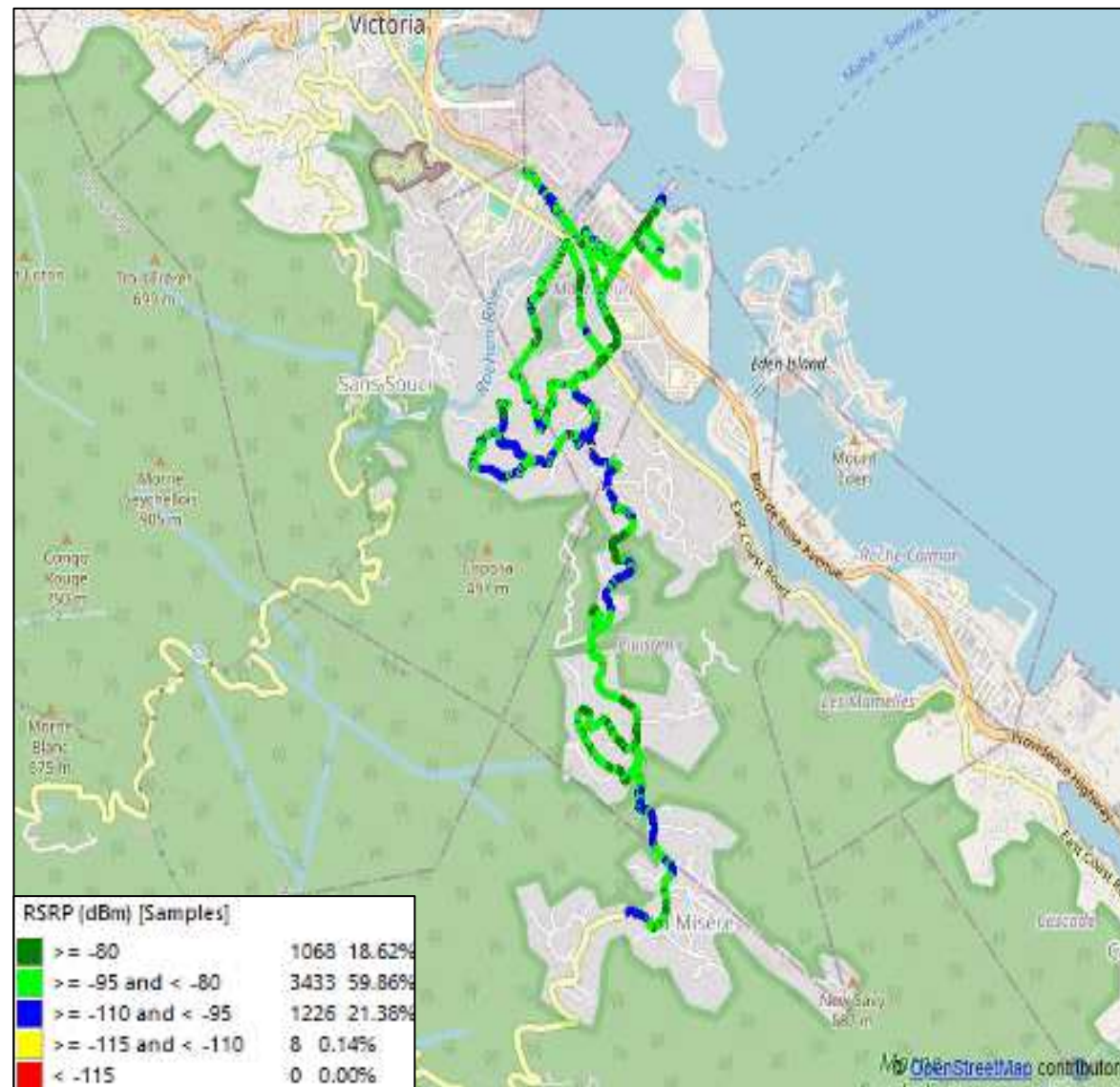
CWS Data 4G



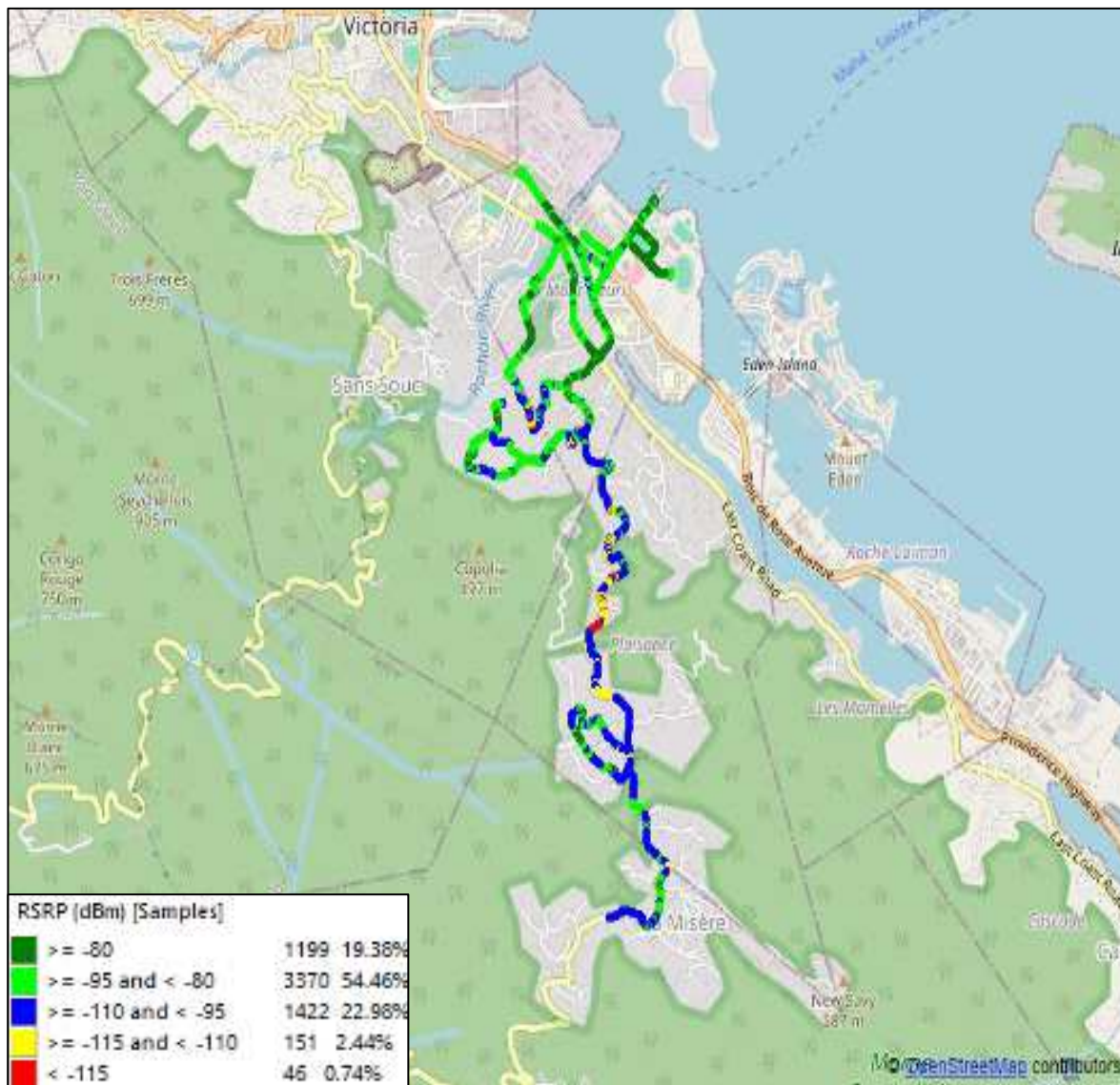
Airtel Data 4G



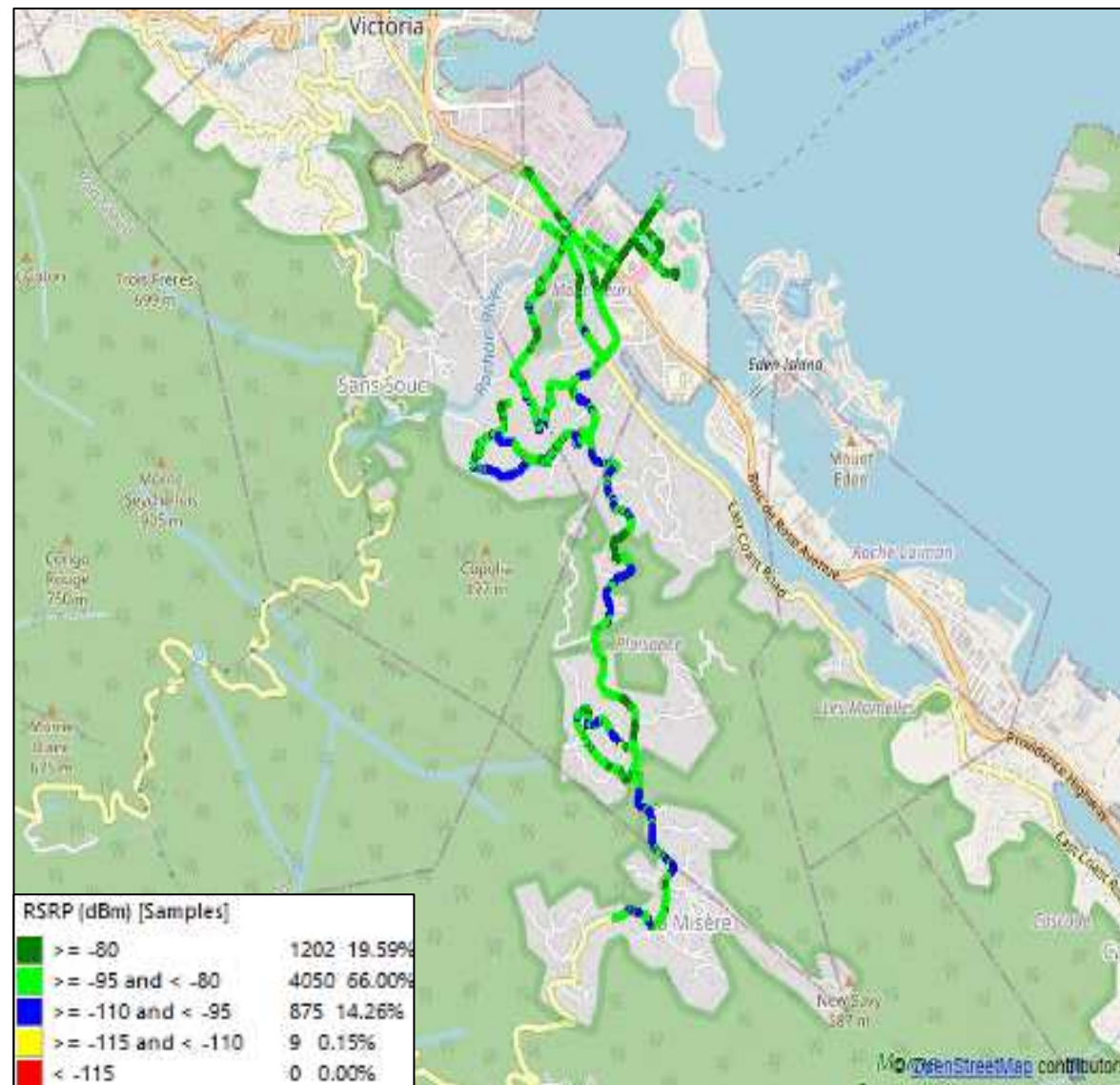
CWS Data 4G



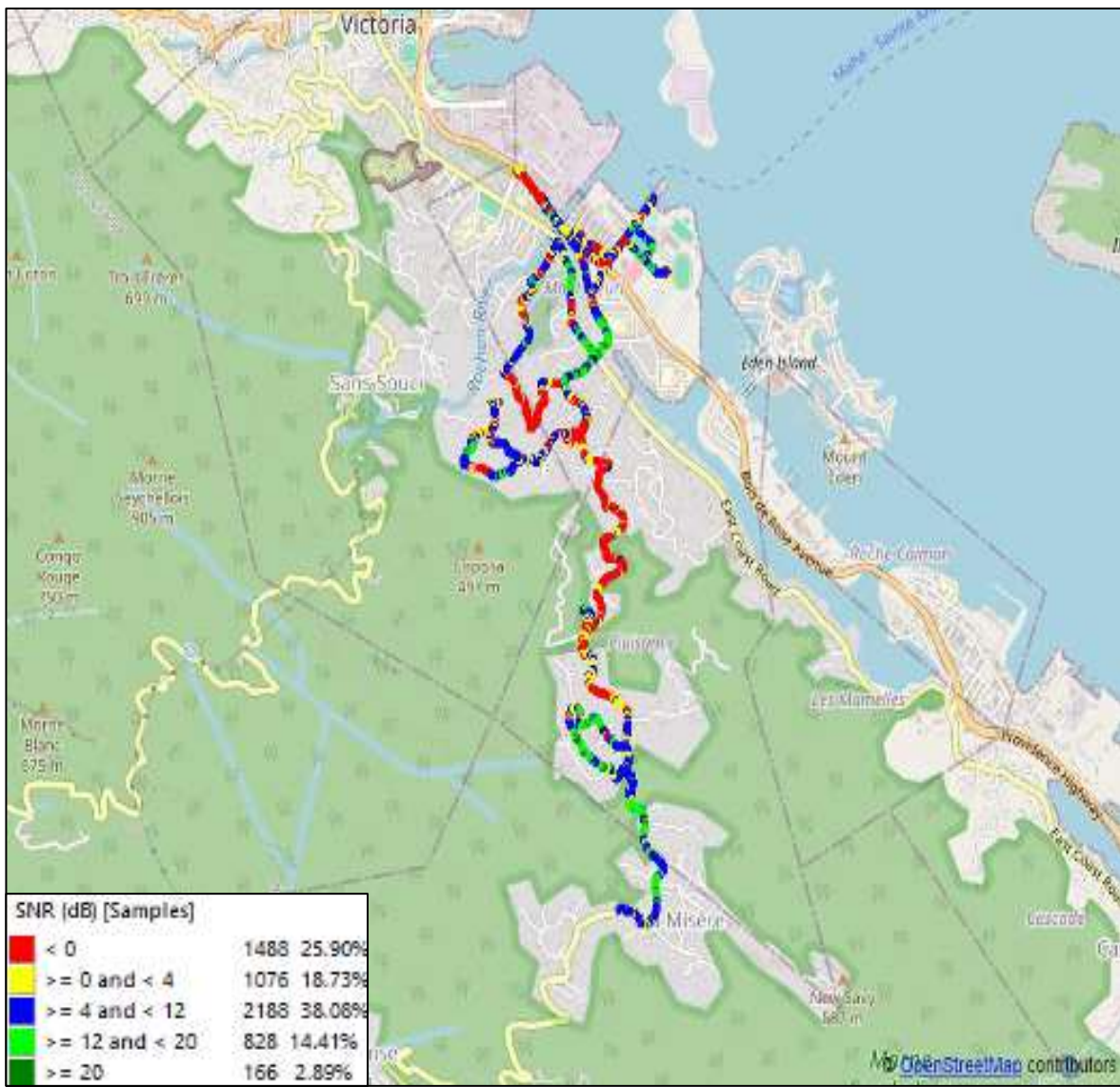
Airtel Data 4G



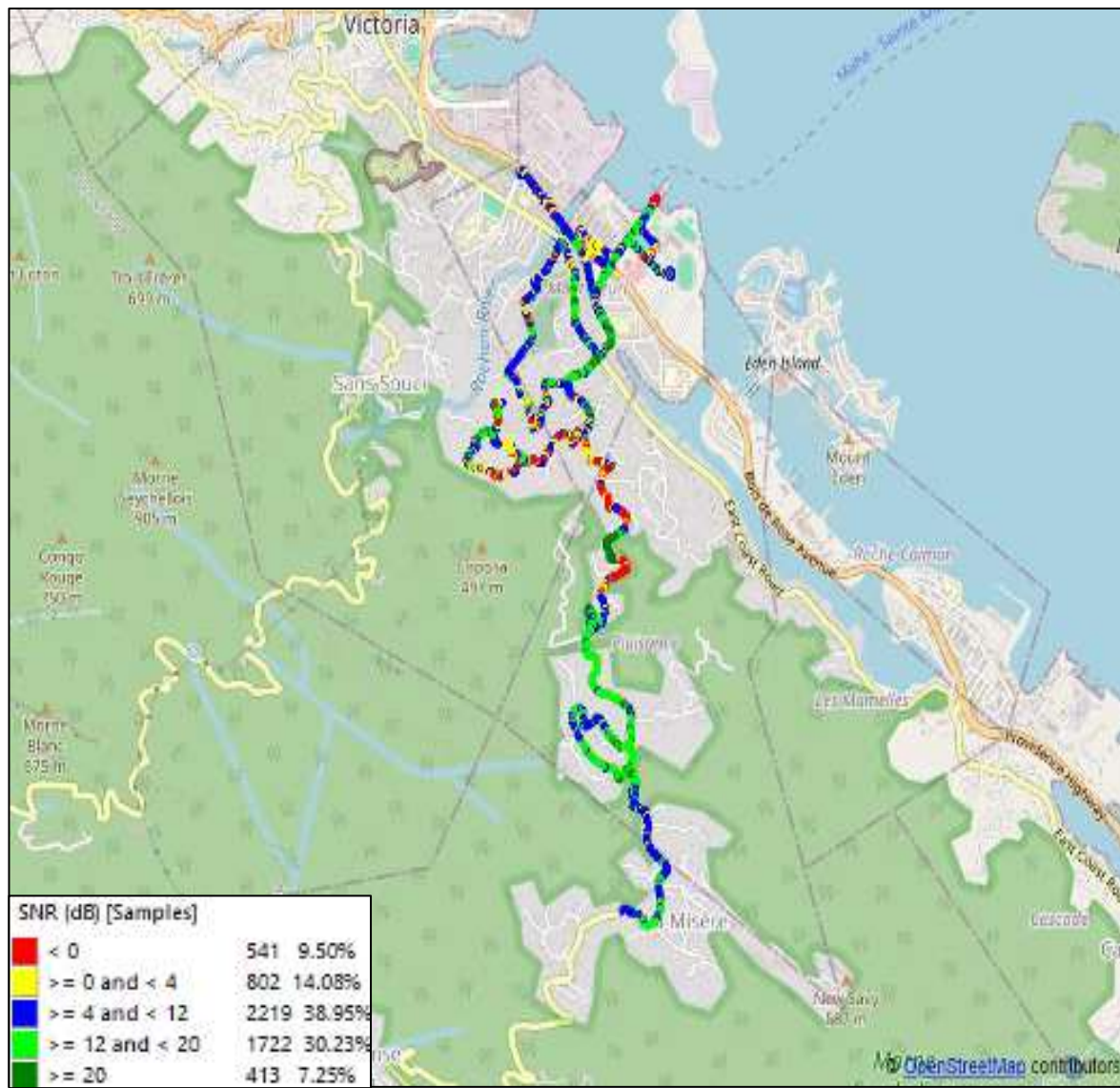
CWS Data 4G



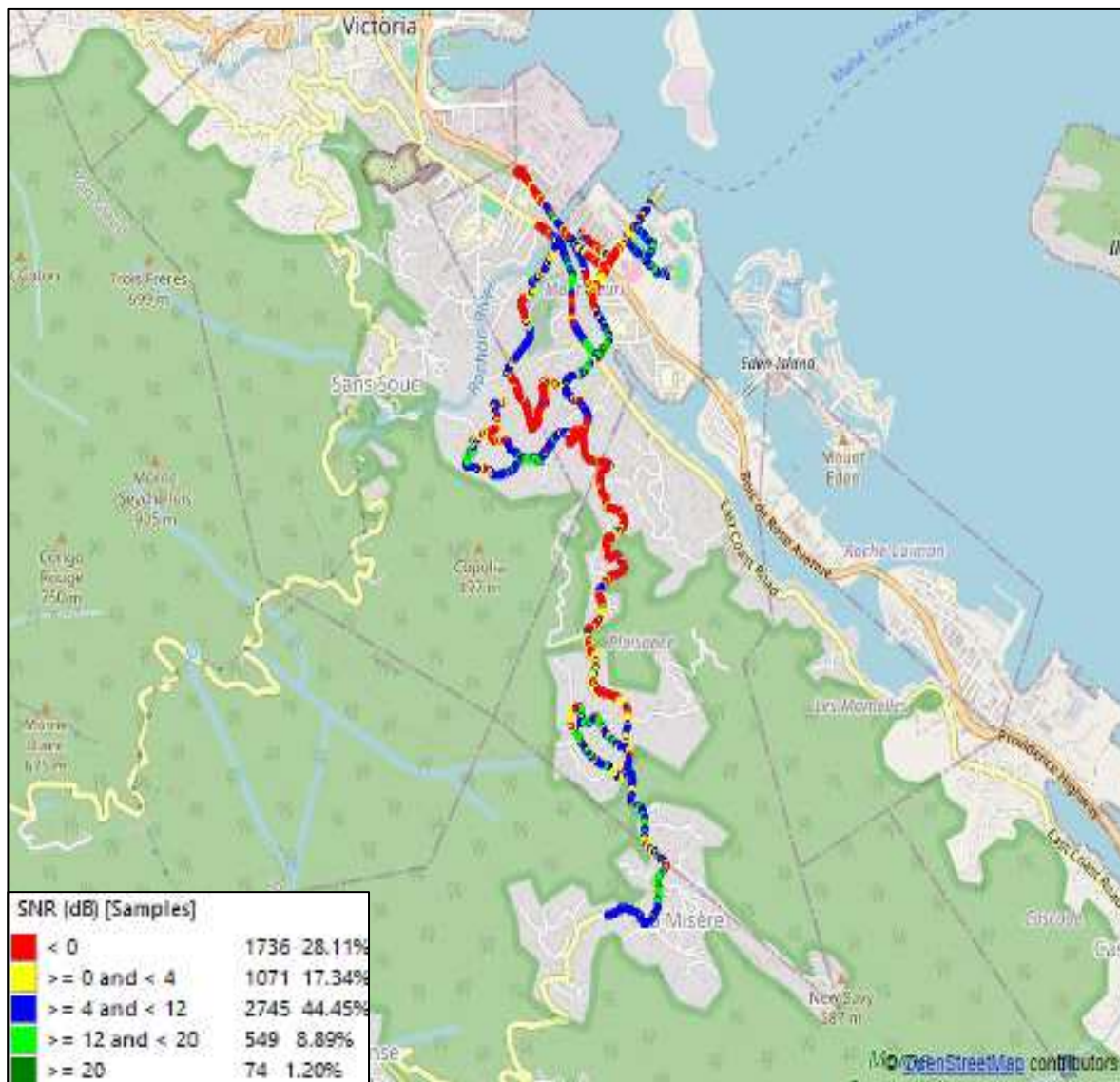
Airtel Data 4G



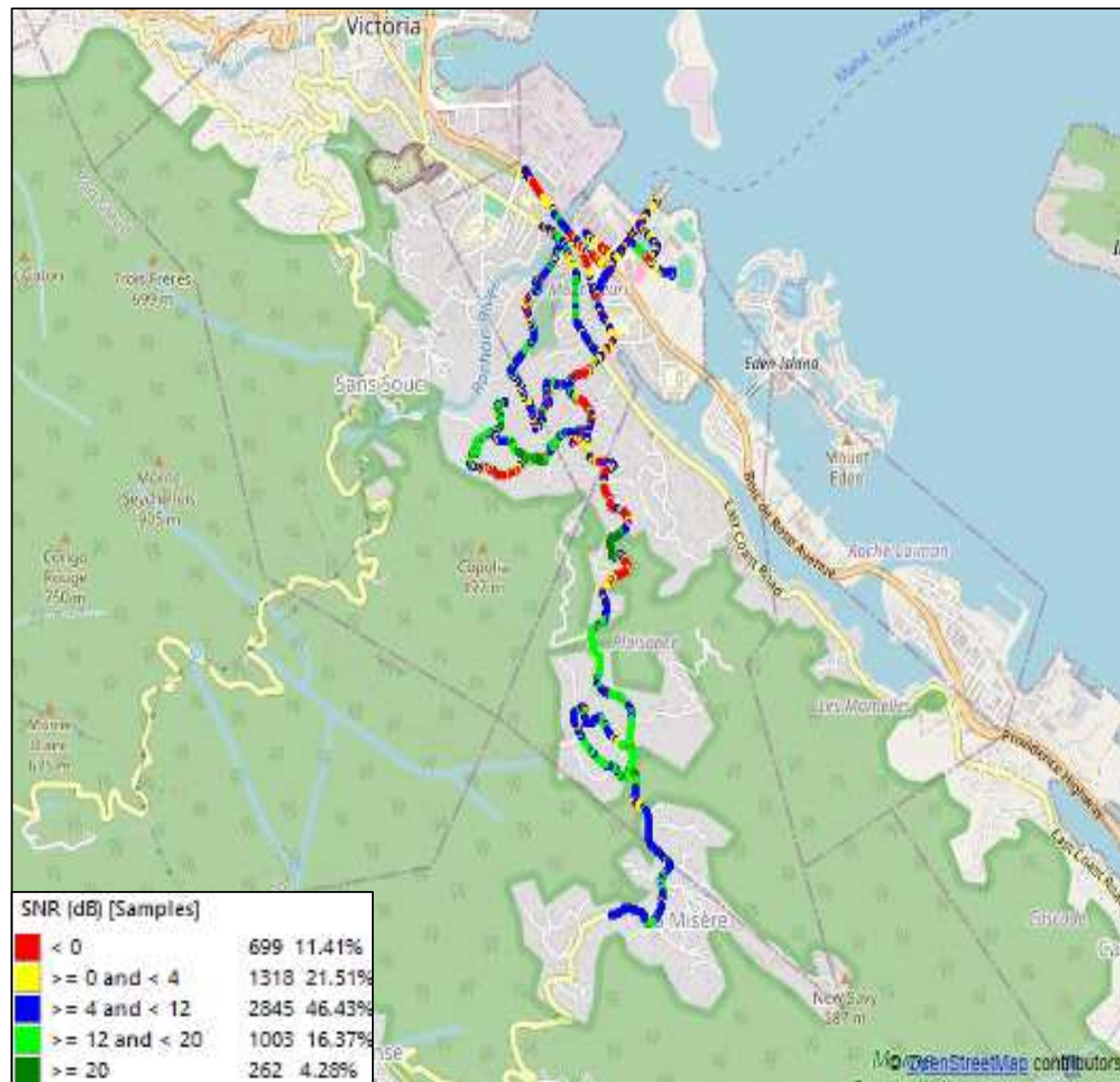
CWS Data 4G



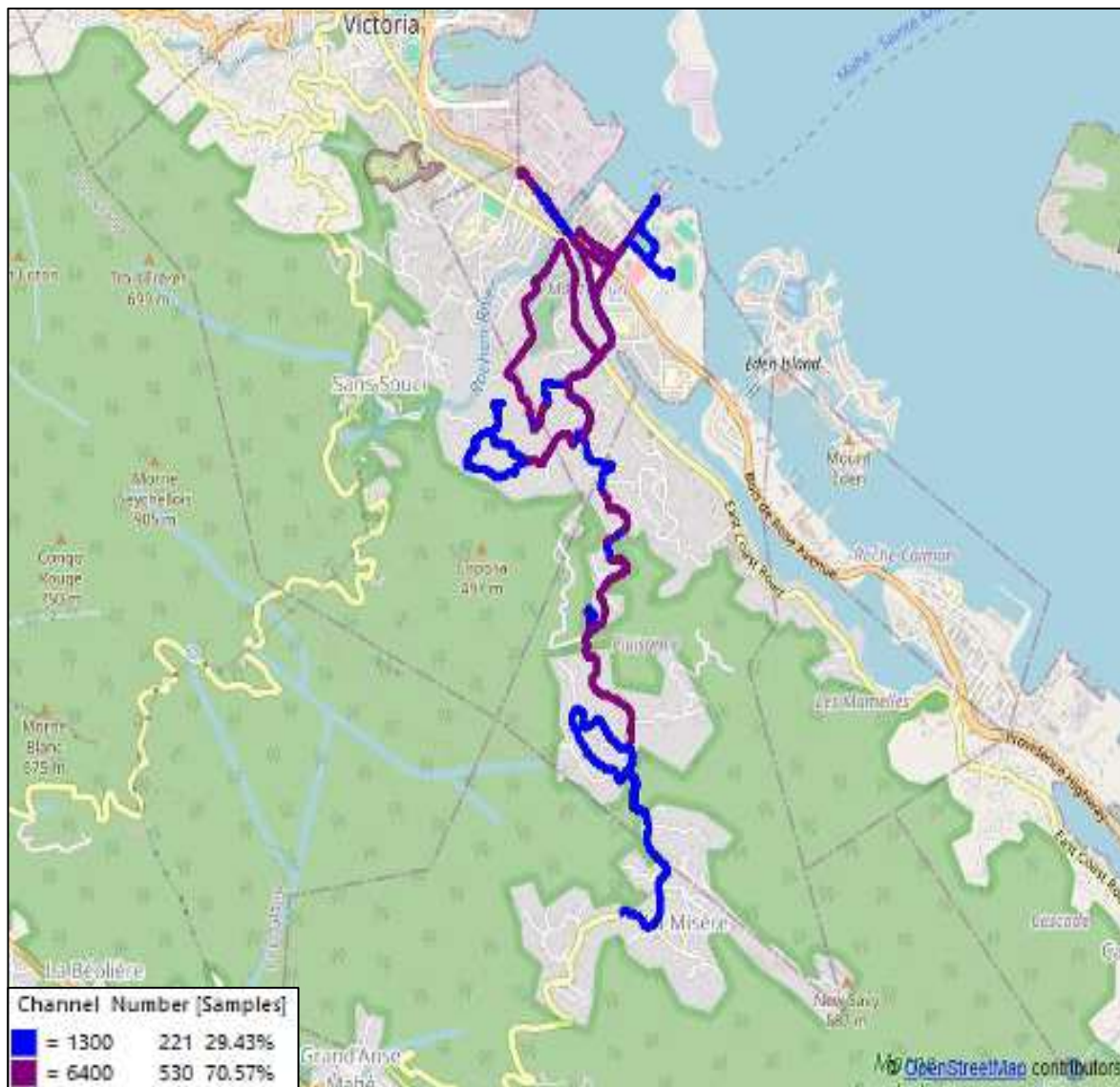
Airtel Data 4G



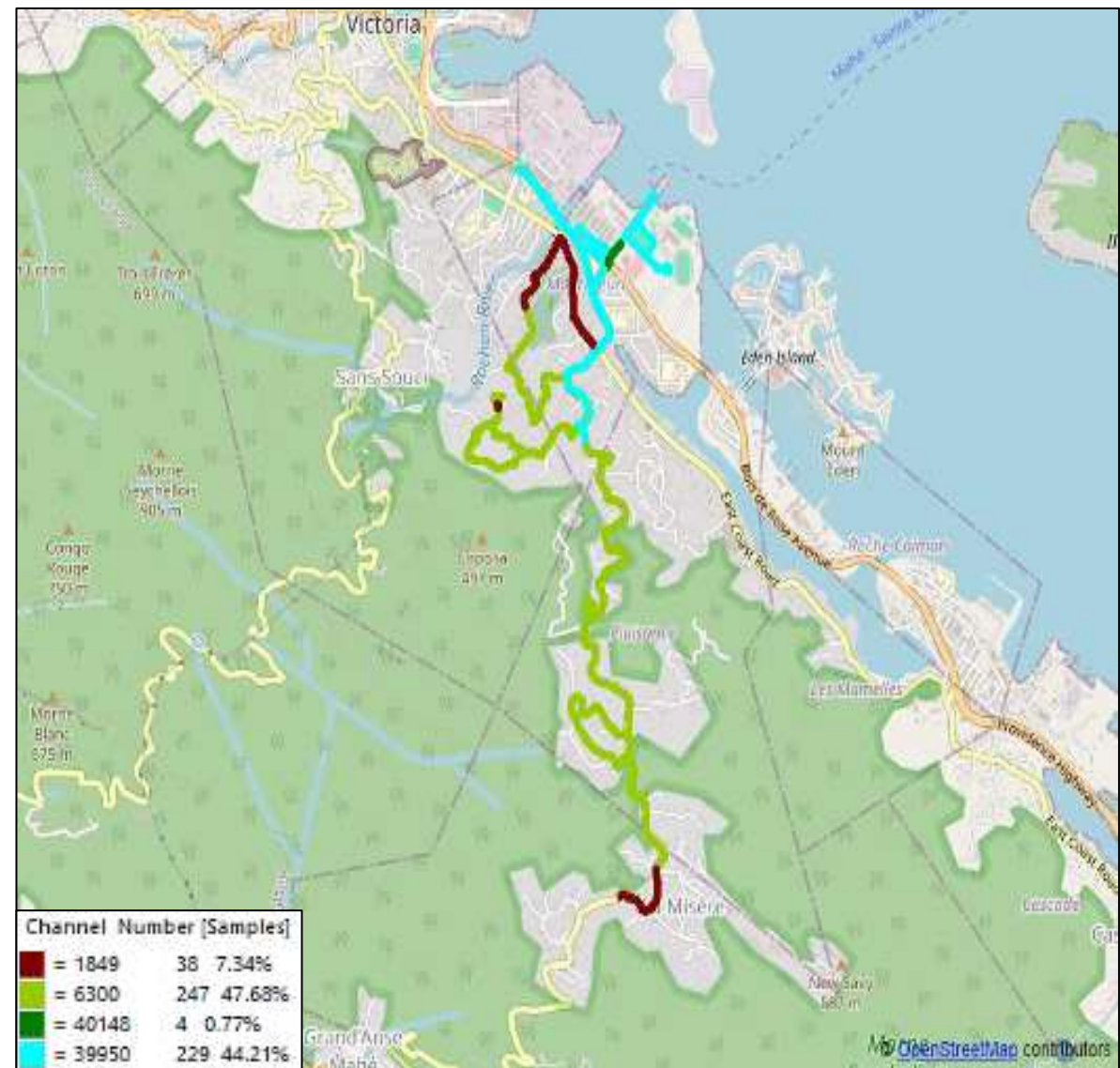
CWS Data 4G



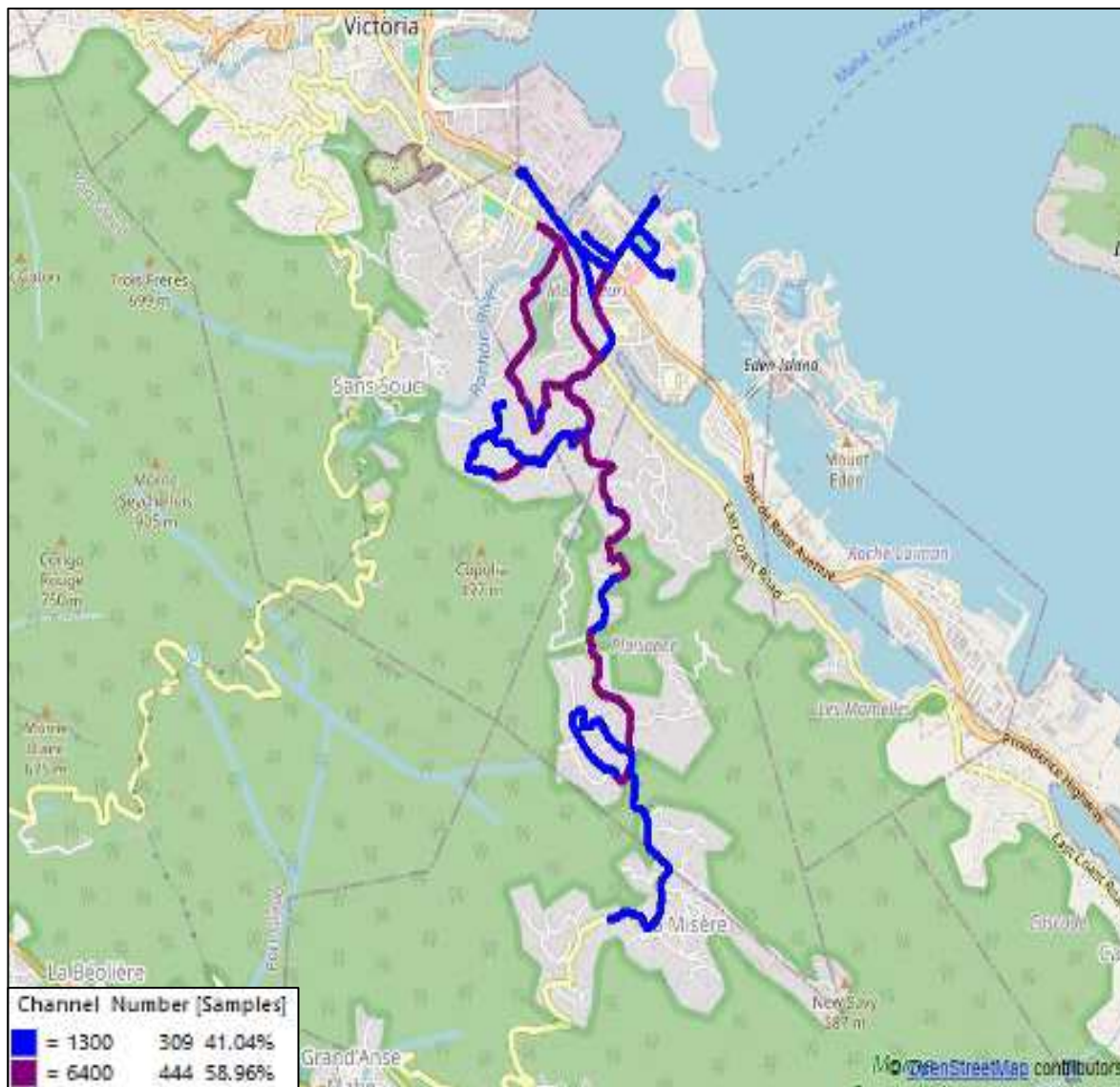
Airtel Data 4G



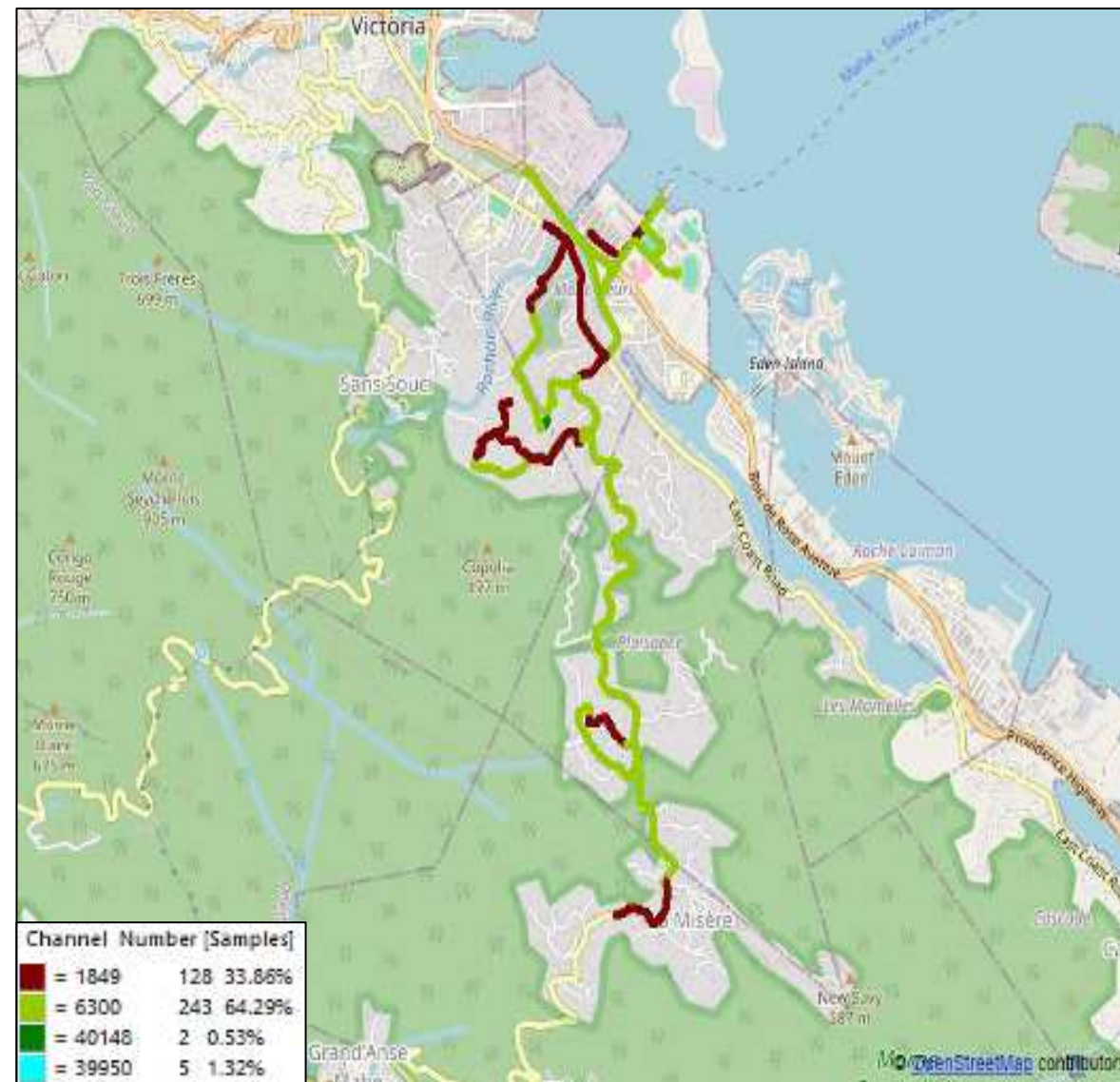
CWS Data 4G



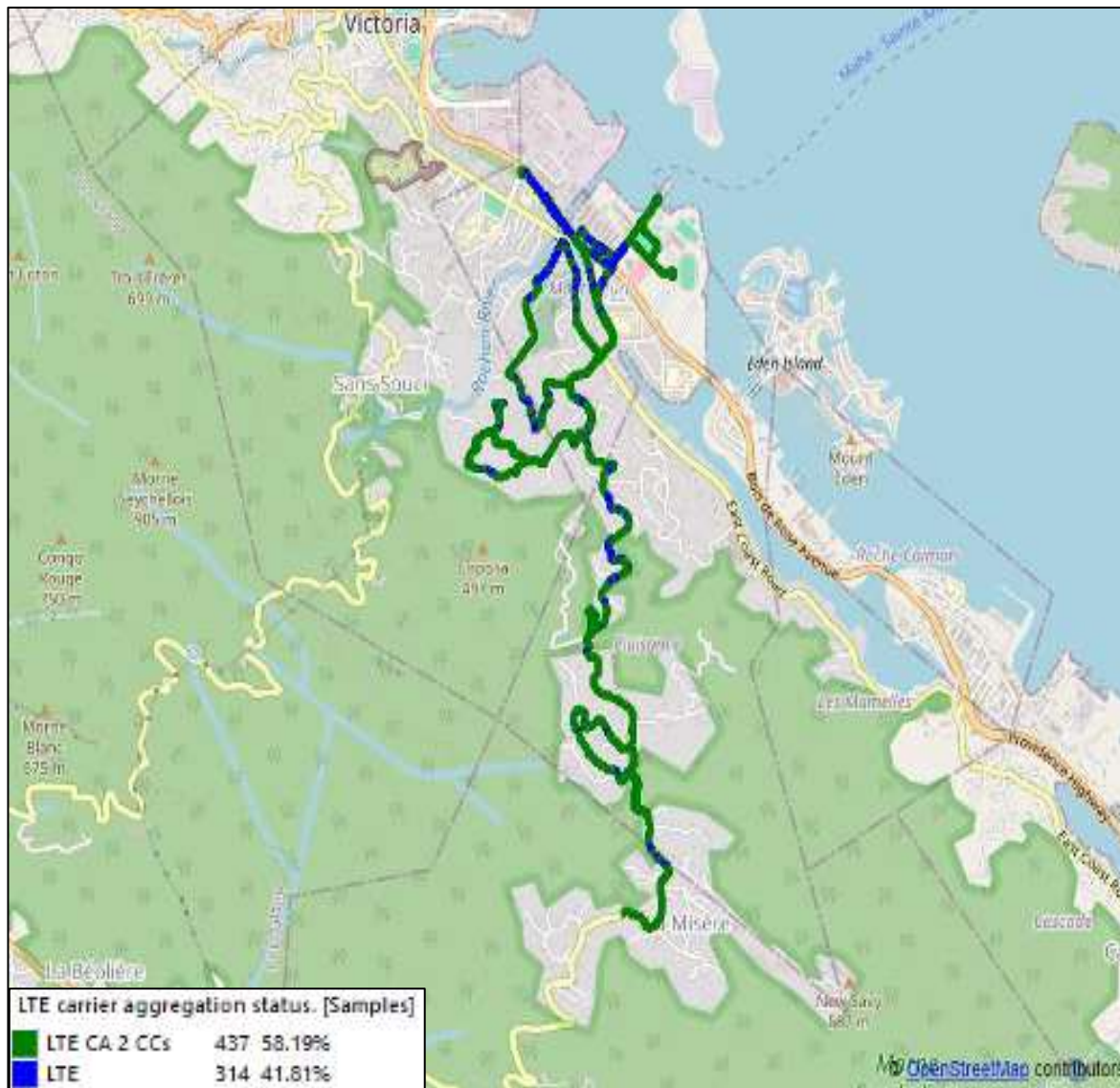
Airtel Data 4G



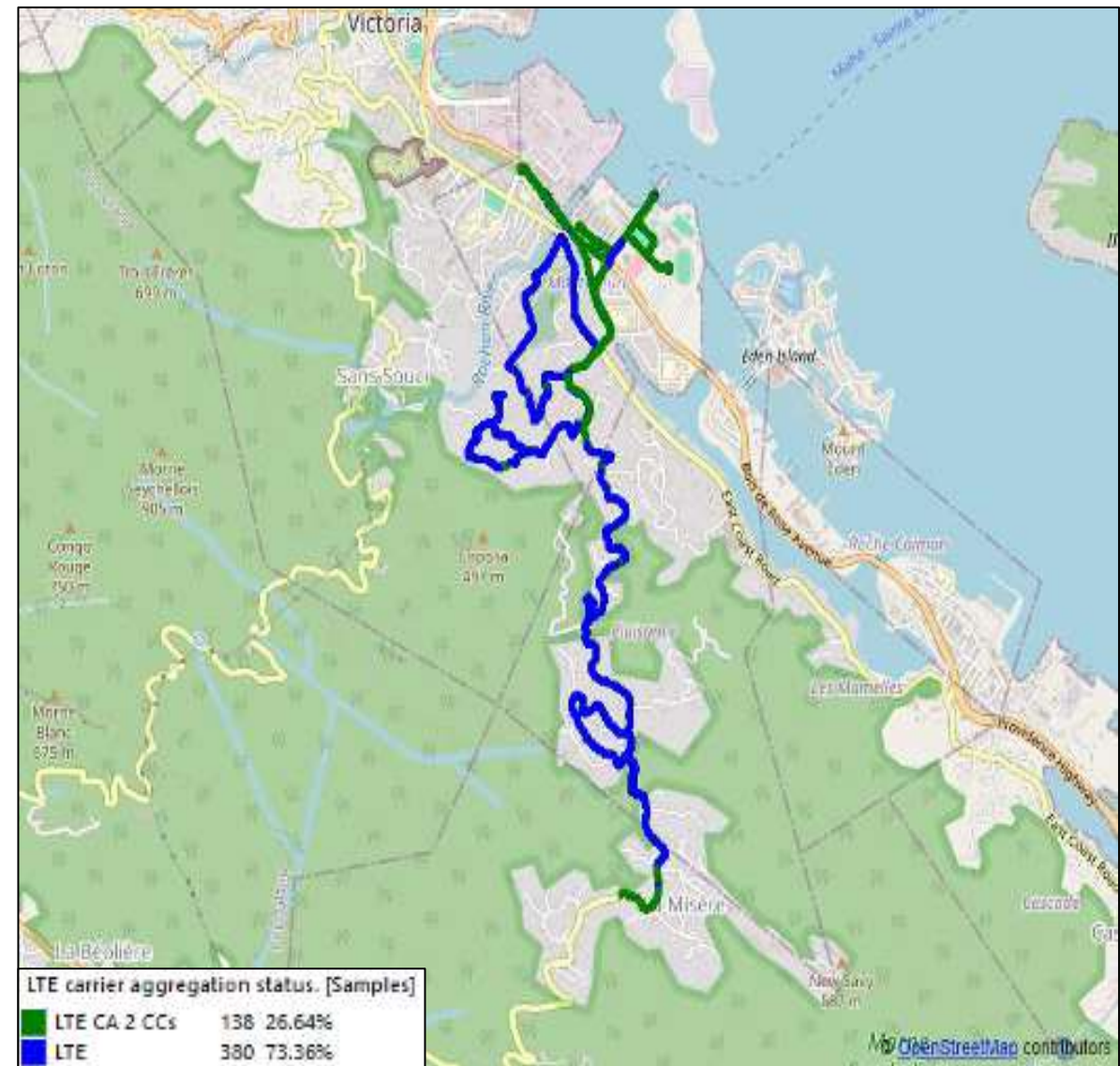
CWS Data 4G



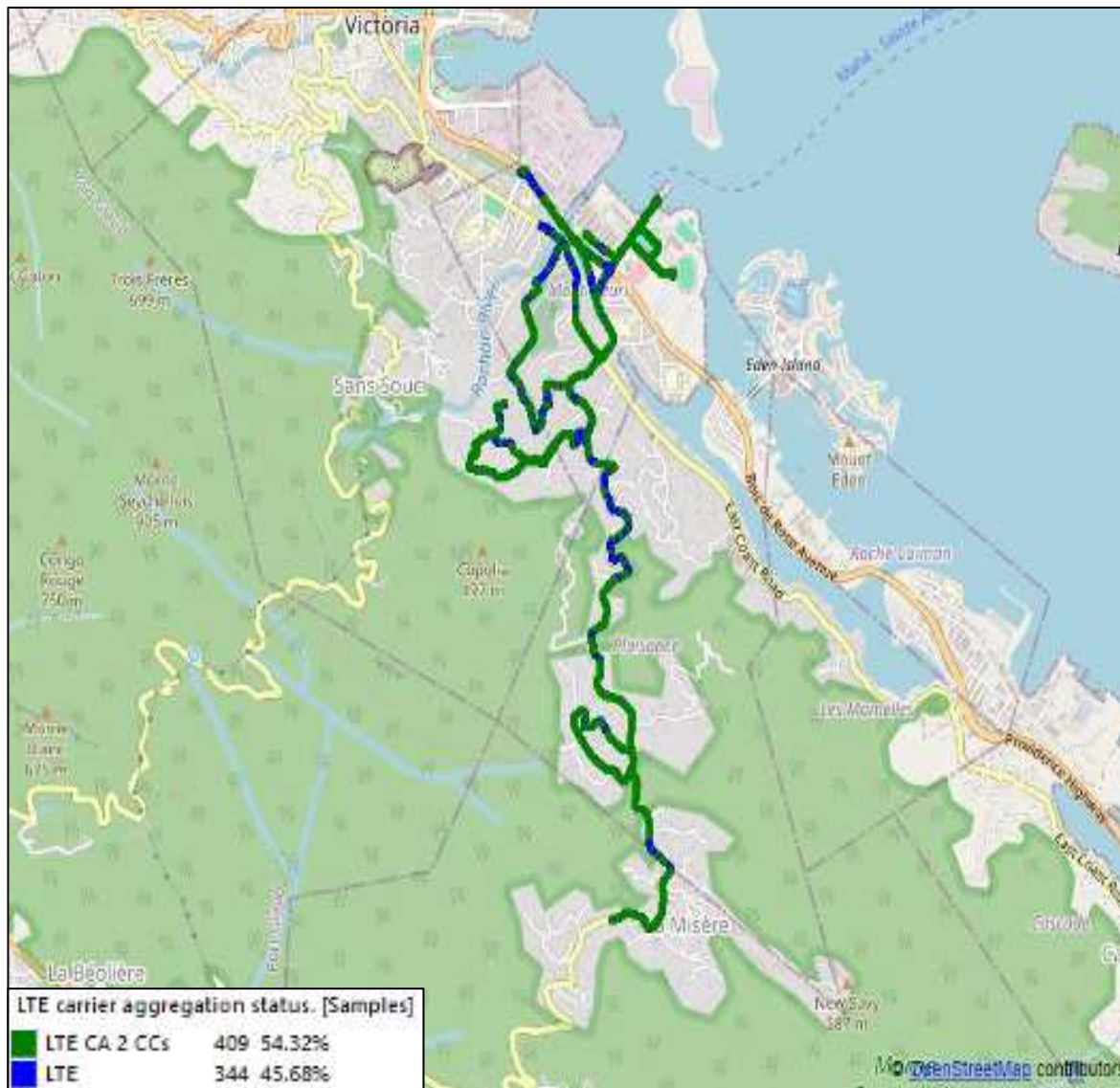
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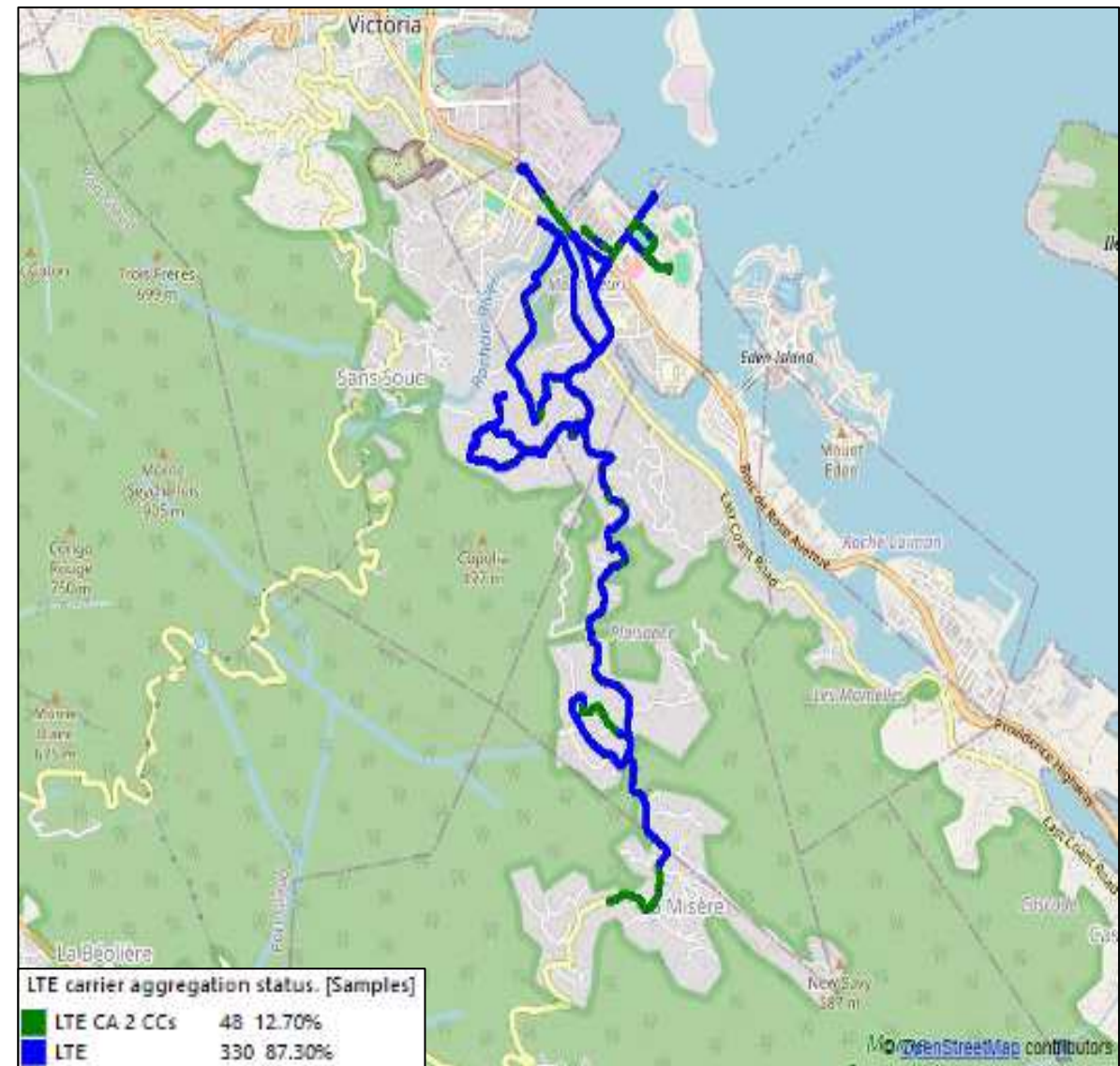
CWS Data 4G



Airtel Data 4G

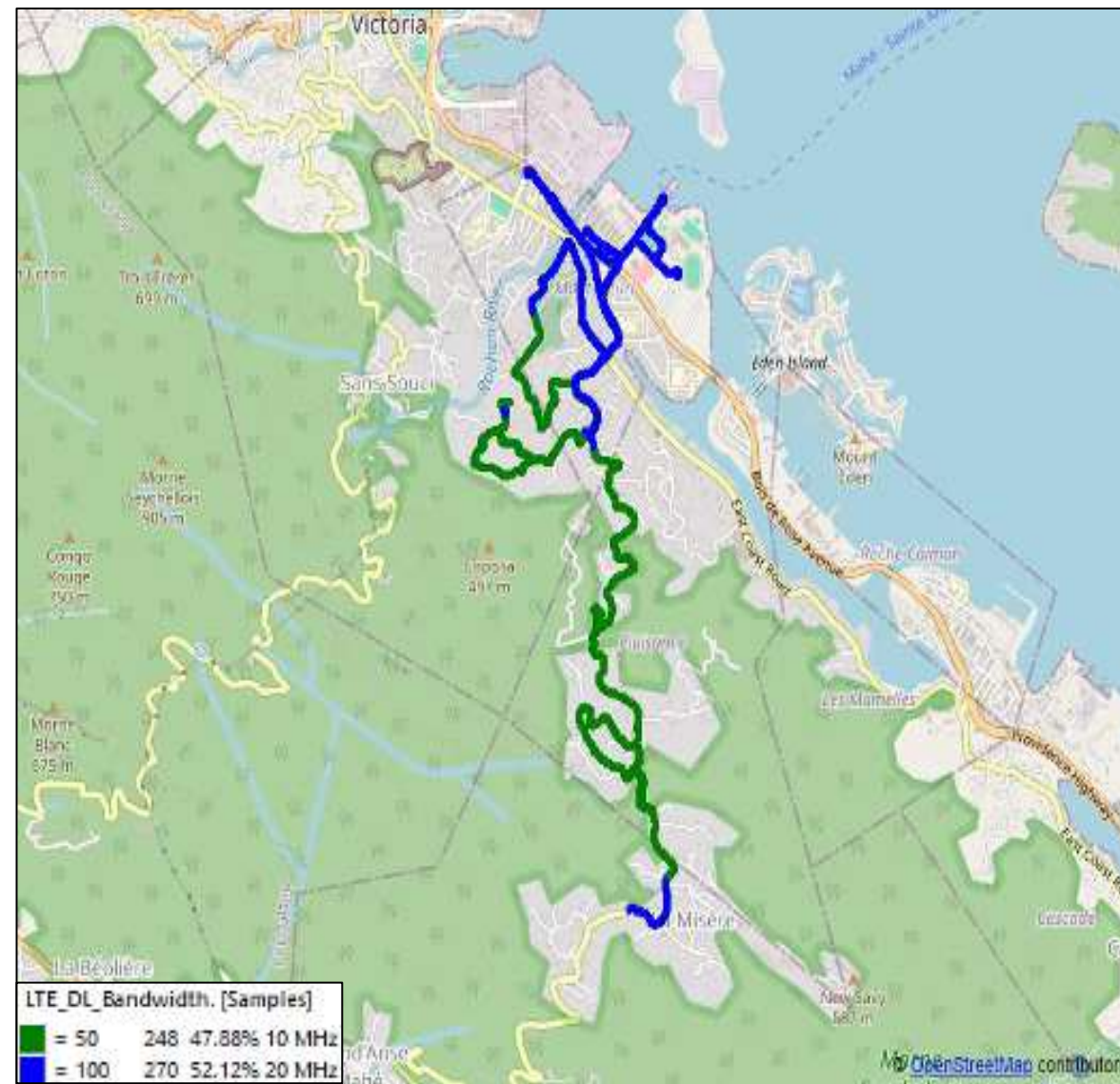
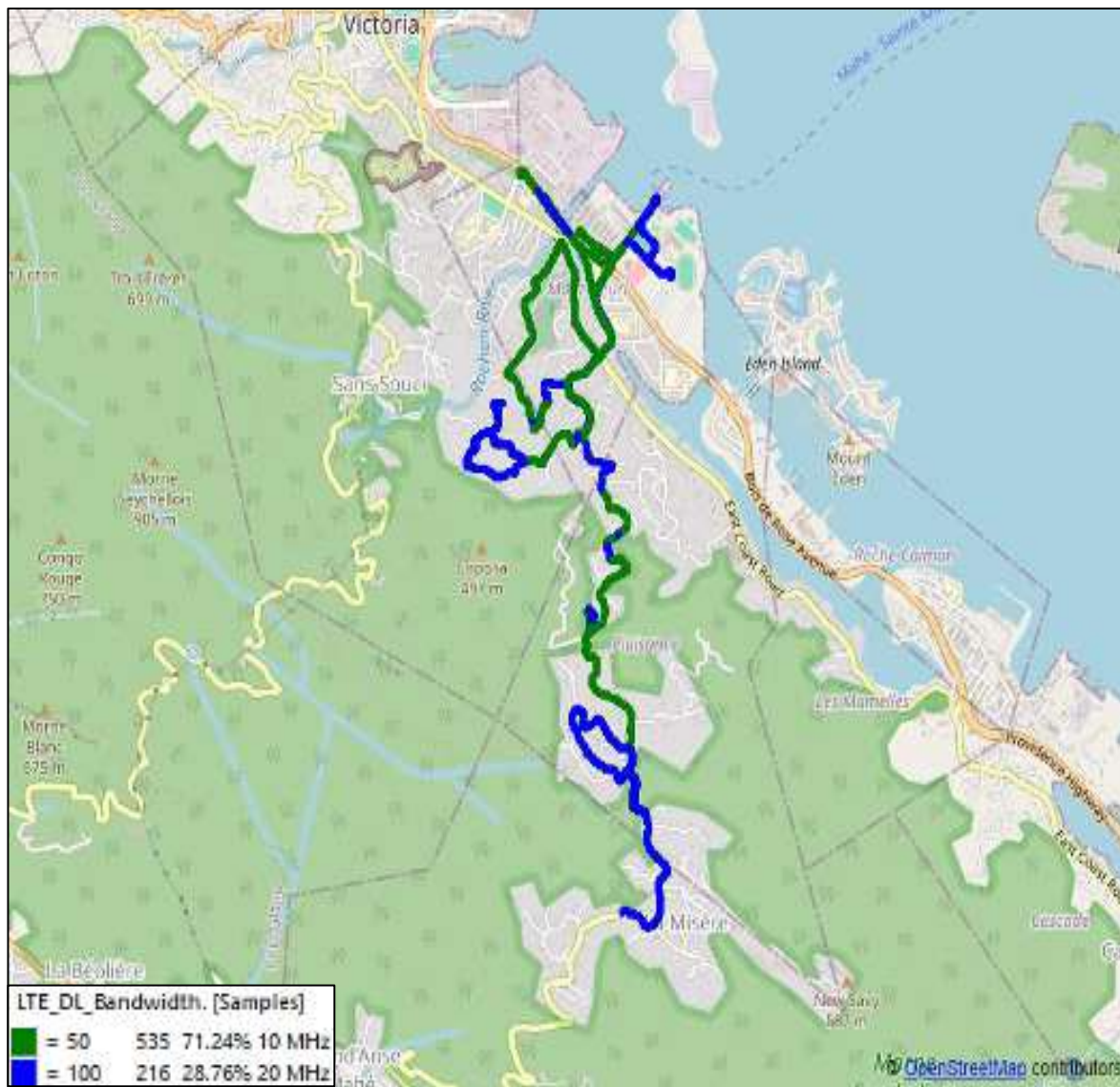


CWS Data 4G



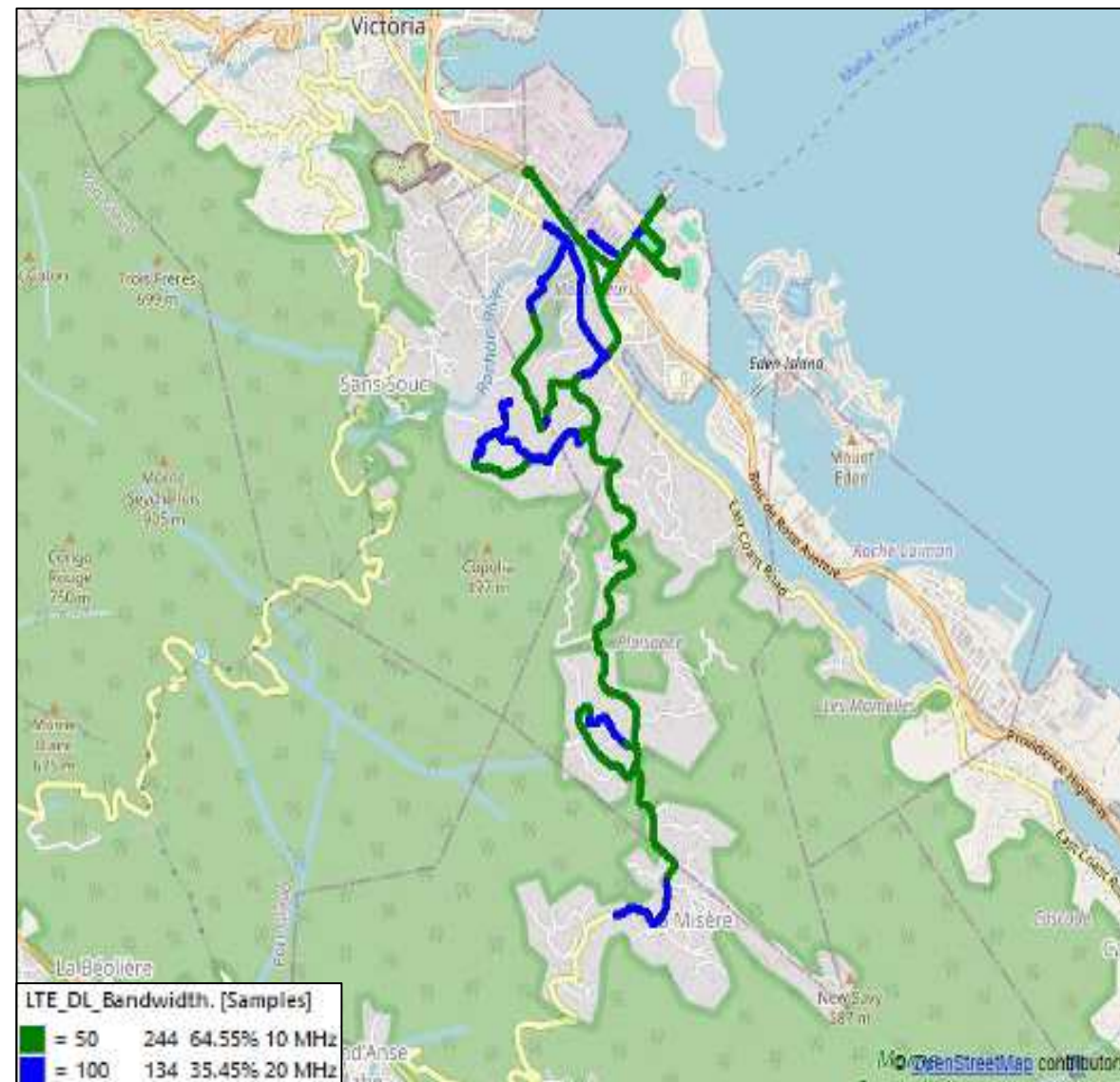
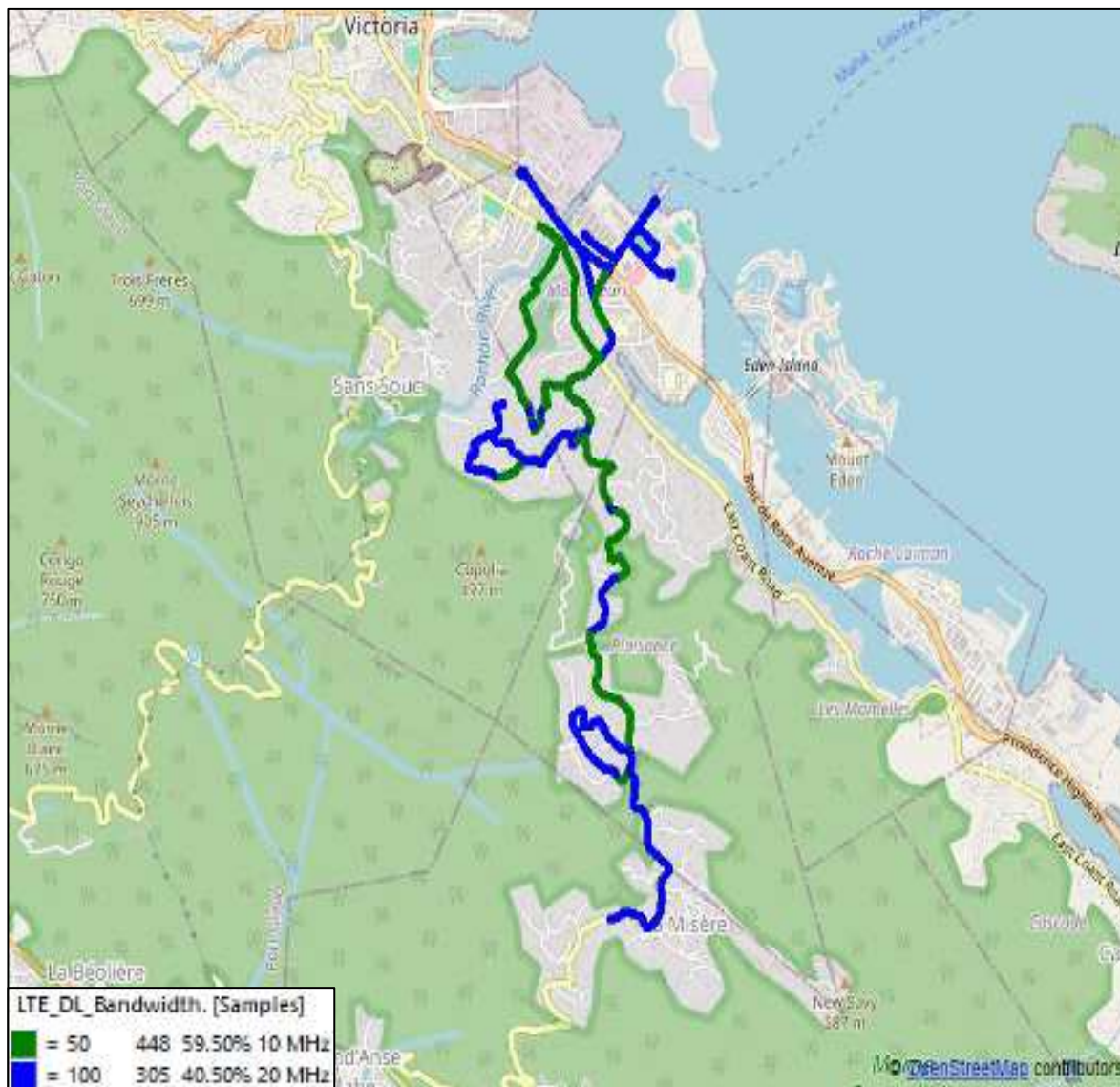
Airtel Data 4G

CWS Data 4G



Airtel Data 4G

CWS Data 4G



Negative Event Analysis

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

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

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

Call Drop cause from Airtel	Count
Total Call Drop	0

Call Drop cause from CWS	Count
Total Call Drop	0

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

	Time	System	Serving band	Cal	1. best active RSCP	Time	Ch	SC	1. best i	Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	9:36:05.051	UMTS FDD	2100	Cal	918. -67.3	9:35:28.527	3050	144		3888.	RRCSM	Downlink	9:36:03.253	BCCH_BCH	SYSTEM_INFORMATION_BCH
2.	10:09:35.502	GSM	900	Cal	919.	9:35:28.527	3050	144	-4.7	3889.	RRCSM	Downlink	9:36:03.273	BCCH_BCH	SYSTEM_INFORMATION_BCH
					920.	9:35:29.039	3050	144	-73.3	3890.	RRCSM	Downlink	9:36:03.293	BCCH_BCH	SYSTEM_INFORMATION_BCH
					921.	9:35:29.039	3050	144	-6.5	3891.	RRCSM	Downlink	9:36:03.293	BCCH	MASTER_INFORMATION_BLOCK
					922.	9:35:29.527	3050	144	-72.8	3892.	RRCSM	Downlink	9:36:03.313	CCCH	RRC_CONNECTION_SETUP
					923.	9:35:29.527	3050	144	-7.3	3893.	RRCSM	Downlink	9:36:03.315	BCCH_BCH	SYSTEM_INFORMATION_BCH
					924.	9:35:30.400	3050	144	-70.2	3894.	RRCSM	Downlink	9:36:03.315	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
					925.	9:35:30.400	3050	144	-9.6	3895.	RRCSM	Downlink	9:36:03.315	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					926.	9:35:30.787	3050	144	-70.9	3896.	RRCSM	Uplink	9:36:03.369	DCCH	RRC_CONNECTION_SETUP_COMPLETE
					927.	9:35:30.787	3050	144	-5.1	3897.	RRCSM	Uplink	9:36:03.369	DCCH	INITIAL_DIRECT_TRANSFER
					928.	9:35:31.387	3050	144	-68	3898.	L3SM	Uplink	9:36:03.369	DCCH	CM_SERVICE_REQUEST
					929.	9:35:31.387	3050	144	-5.1	3899.	RRCSM	Uplink	9:36:03.369	DCCH	INITIAL_DIRECT_TRANSFER
					930.	9:35:31.887	3050	144	-64	3900.	L3SM	Uplink	9:36:03.369	DCCH	ROUTING_AREA_UPDATE_REQUEST
					931.	9:35:31.887	3050	144	-6.8	3901.	RRCSM	Downlink	9:36:03.602	DCCH	MEASUREMENT_CONTROL
					932.	9:36:03.104	10562	416	-76.6	3902.	RRCSM	Downlink	9:36:03.672	DCCH	MEASUREMENT_CONTROL
					933.	9:36:03.104	10562	416	-10.2	3903.	RRCSM	Downlink	9:36:03.682	DCCH	MEASUREMENT_CONTROL
					934.	9:36:03.845	10562	416	-74.1	3904.	RRCSM	Downlink	9:36:03.692	DCCH	MEASUREMENT_CONTROL
					935.	9:36:03.845	10562	416	-12.1	3905.	RRCSM	Downlink	9:36:03.702	DCCH	MEASUREMENT_CONTROL
					936.	9:36:04.335	10562	416	-72.3	3906.	RRCSM	Downlink	9:36:03.742	DCCH	DOWNLINK_DIRECT_TRANSFER
					937.	9:36:04.335	10562	416	-13	3907.	L3SM	Downlink	9:36:03.742	DCCH	AUTHENTICATION_REQUEST
					938.	9:36:04.539	10562	416	-74.5	3908.	RRCSM	Uplink	9:36:03.871	DCCH	UPLINK_DIRECT_TRANSFER
					939.	9:36:04.539	10562	416	-7.9	3909.	L3SM	Uplink	9:36:03.871	DCCH	AUTHENTICATION_RESPONSE
					940.	9:36:05.384	10562	416	-80.4	3910.	RRCSM	Downlink	9:36:03.962	DCCH	SECURITY_MODE_COMMAND
					941.	9:36:05.384	10562	416	-16.2	3911.	RRCSM	Uplink	9:36:03.962	DCCH	SECURITY_MODE_COMPLETE
					942.	9:36:05.823	10562	416	-76.6	3912.	RRCSM	Uplink	9:36:04.053	DCCH	UPLINK_DIRECT_TRANSFER
					943.	9:36:05.823	10562	416	-10.6	3913.	L3SM	Uplink	9:36:04.053	DCCH	SETUP
					944.	9:36:06.245	10562	416	-75.9	3914.	RRCSM	Downlink	9:36:04.062	DCCH	DOWNLINK_DIRECT_TRANSFER
					945.	9:36:06.245	10562	416	-7.7	3915.	L3SM	Downlink	9:36:04.062	DCCH	IDENTITY_REQUEST
					946.	9:36:06.662	10562	416	-76.8	3916.	RRCSM	Uplink	9:36:04.062	DCCH	UPLINK_DIRECT_TRANSFER
					947.	9:36:06.662	10562	416	-8.6	3917.	L3SM	Uplink	9:36:04.062	DCCH	IDENTITY_RESPONSE
					948.	9:36:07.466	10562	416	-78.3	3918.	RRCSM	Downlink	9:36:04.182	DCCH	DOWNLINK_DIRECT_TRANSFER
					949.	9:36:07.466	10562	416	-8.9	3919.	L3SM	Downlink	9:36:04.182	DCCH	CALL_PROCEEDING
					950.	9:36:07.614	10562	416	-82.3	3920.	RRCSM	Uplink	9:36:04.883	DCCH	MEASUREMENT_REPORT
					951.	9:36:07.614	10562	416	-11.1	3921.	RRCSM	Uplink	9:36:04.995	DCCH	MEASUREMENT_REPORT
					952.	9:36:07.917	10562	416	-84.3	3922.	RRCSM	Uplink	9:36:05.024	DCCH	MEASUREMENT_REPORT
					953.	9:36:07.917	10562	416	-13.9	3923.	RRCSM	Uplink	9:36:05.051	DCCH	UPLINK_DIRECT_TRANSFER

- Analysis:**
- This call failure event occurred on short call at 09:36:05:051 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 416 and RF condition RSCP -74.1 dBm and Ec/No -12.1 dB are very good.
 - 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	
1430.	9:35:52.716	800	6400	6	-83.2			3006.	RRCSM	LTE FDD	Downlink	9:35:42.038	PCCH	Paging
1431.	9:35:52.716					-3.8		3007.	RRCSM	LTE FDD	Uplink	9:35:46.550	DCCH	MeasurementReport
1432.	9:35:53.046	800	6400	6	-86.3			3008.	RRCSM	LTE FDD	Downlink	9:35:46.588	DCCH	RRConnectionReconfiguration
1433.	9:35:53.046					-5.6		3009.	RRCSM	LTE FDD	Uplink	9:35:46.598	DCCH	RRConnectionReconfigurationComplete
1434.	9:35:53.965	800	6400	6	-83.4			3010.	RRCSM	LTE FDD	Downlink	9:35:48.438	PCCH	Paging
1435.	9:35:53.965					-2.1		3011.	RRCSM	LTE FDD	Downlink	9:35:48.596	DCCH	RRConnectionReconfiguration
1436.	9:35:54.927	800	6400	6	-83			3012.	RRCSM	LTE FDD	Uplink	9:35:48.606	DCCH	RRConnectionReconfigurationComplete
1437.	9:35:54.927					0.6		3013.	RRCSM	LTE FDD	Uplink	9:35:48.750	DCCH	MeasurementReport
1438.	9:35:55.450	800	6400	6	-83			3014.	RRCSM	LTE FDD	Downlink	9:35:48.785	DCCH	RRConnectionReconfiguration
1439.	9:35:56.450	800	6400	6	-83.2			3015.	RRCSM	LTE FDD	Uplink	9:35:48.787	DCCH	RRConnectionReconfigurationComplete
1440.	9:35:56.450					3		3016.	RRCSM	LTE FDD	Uplink	9:35:48.790	DCCH	MeasurementReport
1441.	9:35:57.509	800	6400	6	-76.3			3017.	RRCSM	LTE FDD	Downlink	9:35:48.809	DCCH	RRConnectionReconfiguration
1442.	9:35:57.509					8.4		3018.	RRCSM	LTE FDD	Uplink	9:35:48.818	DCCH	RRConnectionReconfigurationComplete
1443.	9:35:58.116	800	6400	6	-76.3			3019.	RRCSM	LTE FDD	Downlink	9:35:50.835	DCCH	RRConnectionReconfiguration
1444.	9:35:58.763	800	6400	6	-73.3			3020.	RRCSM	LTE FDD	Uplink	9:35:50.847	DCCH	RRConnectionReconfigurationComplete
1445.	9:35:58.763					12.2		3021.	RRCSM	LTE FDD	Uplink	9:35:50.992	DCCH	MeasurementReport
1446.	9:36:00.394	800	6400	6	-80.5			3022.	RRCSM	LTE FDD	Downlink	9:35:51.018	DCCH	RRConnectionReconfiguration
1447.	9:36:00.394					-2.6		3023.	RRCSM	LTE FDD	Uplink	9:35:51.019	DCCH	RRConnectionReconfigurationComplete
1448.	9:36:01.383	800	6400	6	-86.1			3024.	RRCSM	LTE FDD	Downlink	9:35:52.995	DCCH	RRConnectionRelease
1449.	9:36:01.383					-18.1		3025.	RRCSM	LTE FDD	Downlink	9:36:05.158	PCCH	Paging
1450.	9:36:02.599	800	6400	6	-84.9			3026.	L3SM	LTE FDD	Uplink	9:36:05.159		EXTENDED_SERVICE_REQUEST
1451.	9:36:02.599					-3.2		3027.	RRCSM	LTE FDD	Uplink	9:36:05.159	CCCH	RRConnectionRequest
1452.	9:36:02.614	800	6400	6	-84.9			3028.	RRCSM	LTE FDD	Downlink	9:36:05.208	CCCH	RRConnectionSetup
1453.	9:36:04.450	800	6400	6	-82.4			3029.	RRCSM	LTE FDD	Uplink	9:36:05.212	DCCH	RRConnectionSetupComplete
1454.	9:36:04.450					-2.1		3030.	RRCSM	LTE FDD	Downlink	9:36:05.262	DCCH	RRConnectionRelease
1455.	9:36:05.278	800	6400	6	-88.3			3031.	RRCSM	UMTS FDD	Downlink	9:36:05.714	BCCH_BCH	SYSTEM_INFORMATION_BCH
1456.	9:36:05.278					-7.1		3032.	RRCSM	UMTS FDD	Downlink	9:36:05.714	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
1457.	9:36:05.448	800	6400	6	-88.4			3033.	RRCSM	UMTS FDD	Downlink	9:36:05.714	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
1458.	9:36:05.448					-8.2		3034.	RRCSM	UMTS FDD	Downlink	9:36:05.734	BCCH_BCH	SYSTEM_INFORMATION_BCH
1459.	9:36:14.283	1800	1300	63	-93.4			3035.	RRCSM	UMTS FDD	Downlink	9:36:05.754	BCCH_BCH	SYSTEM_INFORMATION_BCH
1460.	9:36:14.283							3036.	RRCSM	UMTS FDD	Downlink	9:36:05.774	BCCH_BCH	SYSTEM_INFORMATION_BCH
1461.	9:36:14.587	1800	1300	54	-87.8			3037.	RRCSM	UMTS FDD	Downlink	9:36:05.774	BCCH	MASTER_INFORMATION_BLOCK
1462.	9:36:14.587					-7.9		3038.	RRCSM	UMTS FDD	Downlink	9:36:05.874	BCCH_BCH	SYSTEM_INFORMATION_BCH
1463.	9:36:14.804	1800	1300	54	-87.8			3039.	RRCSM	UMTS FDD	Downlink	9:36:05.874	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3
1464.	9:36:16.005	1800	1300	54	-87.8			3040.	RRCSM	UMTS FDD	Downlink	9:36:05.874	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7

Analysis:

- On MT End, During the setup fail, UE was latched with PCI 6 and RF condition RSRP -82.4 dBm is good but SINR -2.1 dB was poor.
- As per the analysis call failure happened due to Poor quality of the network.

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

	Time	System	Serving band		Time	RxLev	sub	ARFCN	LAC	RAC	RXQ	sub		System	Transf. dir.	Time	Subchannel	Message name	
1.	9:36:05.051	UMTS FDD	2100	155.	10:09:08.432	-94		114	50000	1				11509.	GSM	Uplink	10:09:15.050	DCCH	CIPHERING_MODE_COMPLETE
2.	10:09:35.502	GSM	900	156.	10:09:08.649	-94		114	50000	1				11510.	GSM	Uplink	10:09:15.050	DCCH	SETUP
				157.	10:09:09.429	-94		114	50000	1				11511.	GSM	Uplink	10:09:15.290	SACCH	MEASUREMENT_REPORT
				158.	10:09:09.604	-94		114	50000	1				11512.	GSM	Uplink	10:09:15.760	SACCH	MEASUREMENT_REPORT
				159.	10:09:10.435	-94		114	50000	1				11513.	GSM	Uplink	10:09:16.230	SACCH	MEASUREMENT_REPORT
				160.	10:09:11.105	-95		114	50000	1				11514.	GSM	Uplink	10:09:16.700	SACCH	MEASUREMENT_REPORT
				161.	10:09:11.600	-96		114	50000	1				11515.	GSM	Uplink	10:09:17.170	SACCH	MEASUREMENT_REPORT
				162.	10:09:11.823	-96		114	50000	1				11516.	GSM	Uplink	10:09:17.640	SACCH	MEASUREMENT_REPORT
				163.	10:09:12.941	-93		114	50000	1				11517.	GSM	Uplink	10:09:18.110	SACCH	MEASUREMENT_REPORT
				164.	10:09:12.941						7			11518.	GSM	Downlink	10:09:18.250	SACCH	SYSTEM_INFORMATION_TYPE_5
				165.	10:09:13.478	-92		114	50000	1				11519.	GSM	Downlink	10:09:18.570	DCCH	IDENTITY_REQUEST
				166.	10:09:13.478						7			11520.	GSM	Uplink	10:09:18.570	DCCH	IDENTITY_RESPONSE
				167.	10:09:13.883						3			11521.	GSM	Uplink	10:09:18.590	SACCH	MEASUREMENT_REPORT
				168.	10:09:14.016	-93		114	50000	1				11522.	GSM	Uplink	10:09:19.060	SACCH	MEASUREMENT_REPORT
				169.	10:09:14.353						7			11523.	GSM	Uplink	10:09:19.530	SACCH	MEASUREMENT_REPORT
				170.	10:09:14.479	-93		114	50000	1				11524.	GSM	Downlink	10:09:19.980	DCCH	CALL_PROCEEDING
				171.	10:09:14.824						6			11525.	GSM	Uplink	10:09:20.000	SACCH	MEASUREMENT_REPORT
				172.	10:09:15.051	-94		114	50000	1				11526.	GSM	Uplink	10:09:20.470	SACCH	MEASUREMENT_REPORT
				173.	10:09:15.295						3			11527.	GSM	Downlink	10:09:20.600	SACCH	SYSTEM_INFORMATION_TYPE_6
				174.	10:09:15.516	-93		114	50000	1				11528.	GSM	Uplink	10:09:20.940	SACCH	MEASUREMENT_REPORT
				175.	10:09:15.766						7			11529.	GSM	Uplink	10:09:21.410	SACCH	MEASUREMENT_REPORT
				176.	10:09:15.899	-94		114	50000	1				11530.	GSM	Uplink	10:09:21.880	SACCH	MEASUREMENT_REPORT
				177.	10:09:16.458	-93		114	50000	1				11531.	GSM	Uplink	10:09:22.350	SACCH	MEASUREMENT_REPORT
				178.	10:09:17.106	-93		114	50000	1				11532.	GSM	Uplink	10:09:22.820	SACCH	MEASUREMENT_REPORT
				179.	10:09:17.649				50000	1				11533.	GSM	Uplink	10:09:23.290	SACCH	MEASUREMENT_REPORT
				180.	10:09:18.120	-93		114	50000	1				11534.	GSM	Uplink	10:09:23.760	SACCH	MEASUREMENT_REPORT
				181.	10:09:18.590						7			11535.	GSM	Uplink	10:09:24.230	SACCH	MEASUREMENT_REPORT
				182.	10:09:19.061	-92		114	50000	1				11536.	GSM	Uplink	10:09:24.710	SACCH	MEASUREMENT_REPORT
				183.	10:09:19.061						7			11537.	GSM	Uplink	10:09:25.180	SACCH	MEASUREMENT_REPORT
				184.	10:09:19.665	-92		114	50000	1				11538.	GSM	Uplink	10:09:25.650	SACCH	MEASUREMENT_REPORT
				185.	10:09:20.003	-92		114	50000	1				11539.	GSM	Uplink	10:09:26.120	SACCH	MEASUREMENT_REPORT
				186.	10:09:20.607	-93		114	50000	1				11540.	GSM	Uplink	10:09:26.590	SACCH	MEASUREMENT_REPORT
				187.	10:09:20.944						5			11541.	GSM	Uplink	10:09:27.060	SACCH	MEASUREMENT_REPORT
				188.	10:09:21.133	-93		114	50000	1				11542.	GSM	Uplink	10:09:27.530	SACCH	MEASUREMENT_REPORT
				189.	10:09:21.415						7			11543.	GSM	Uplink	10:09:28.000	SACCH	MEASUREMENT_REPORT
				190.	10:09:21.872	-93		114	50000	1				11544.	GSM	Uplink	10:09:28.470	SACCH	MEASUREMENT_REPORT

Analysis:

- This call failure event occurred on short call at 10:09:35:502 time when UE was latched with 2G network.
- After sending "CM Service Request" message to core network, then core network responds with "Call Proceeding" message. After that call setup has been failed.
- During the session UE was latched with ARFCN 114. RF Conditions found during session also seemed OK. (Rx Lev : -92, Rx Qual= 7)
- As per the Analysis the call setup failure 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	0

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

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

Call Drop cause from CWS	Count
Total Call Drop	0

Phase-2 Call Drop Analysis 1 From MS9 Airtel MO

	Time	System	Serving band	Time	RxLev	sub	ARFCN	BSIC	LAC	RAC	RXQ	sub	Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	12:53:46.035	GSM	900	478.	12:53:39.947						3		9228.	L3SM	GSM	Downlink	12:53:40.381	SACCH	MEASUREMENT_INFORMATION
				479.	12:53:39.981	-90	96	53	50000	4			9229.	L3SM	GSM	Uplink	12:53:40.427	SACCH	MEASUREMENT_REPORT
				480.	12:53:40.427						5		9230.	L3SM	GSM	Downlink	12:53:40.861	SACCH	SYSTEM_INFORMATION_TYPE_6
				481.	12:53:40.491	-91	96	53	50000	4			9231.	L3SM	GSM	Uplink	12:53:40.907	SACCH	MEASUREMENT_REPORT
				482.	12:53:40.907						4		9232.	L3SM	GSM	Downlink	12:53:41.341	SACCH	SYSTEM_INFORMATION_TYPE_5
				483.	12:53:41.133	-93	96	53	50000	4			9233.	L3SM	GSM	Uplink	12:53:41.387	SACCH	MEASUREMENT_REPORT
				484.	12:53:41.387						5		9234.	L3SM	GSM	Downlink	12:53:41.821	SACCH	MEASUREMENT_INFORMATION
				485.	12:53:41.613	-94	96	53	50000	4			9235.	L3SM	GSM	Uplink	12:53:41.867	SACCH	MEASUREMENT_REPORT
				486.	12:53:42.088	-94	96	53	50000	4			9236.	L3SM	GSM	Downlink	12:53:42.301	SACCH	SYSTEM_INFORMATION_TYPE_6
				487.	12:53:42.347						4		9237.	L3SM	GSM	Uplink	12:53:42.347	SACCH	MEASUREMENT_REPORT
				488.	12:53:42.554	-94	96	53	50000	4			9238.	L3SM	GSM	Downlink	12:53:42.781	SACCH	SYSTEM_INFORMATION_TYPE_5
				489.	12:53:42.827						5		9239.	L3SM	GSM	Uplink	12:53:42.827	SACCH	MEASUREMENT_REPORT
				490.	12:53:43.307	-95	96	53	50000	4			9240.	L3SM	GSM	Downlink	12:53:43.261	SACCH	MEASUREMENT_INFORMATION
				491.	12:53:43.307						5		9241.	L3SM	GSM	Uplink	12:53:43.307	SACCH	MEASUREMENT_REPORT
				492.	12:53:43.787	-97	96	53	50000	4			9242.	L3SM	GSM	Downlink	12:53:43.741	SACCH	SYSTEM_INFORMATION_TYPE_6
				493.	12:53:43.787						6		9243.	L3SM	GSM	Uplink	12:53:43.787	SACCH	MEASUREMENT_REPORT
				494.	12:53:44.747						4		9244.	L3SM	GSM	Uplink	12:53:44.267	SACCH	MEASUREMENT_REPORT
				495.	12:53:44.793	-95	96	53	50000	4			9245.	L3SM	GSM	Downlink	12:53:44.701	SACCH	MEASUREMENT_INFORMATION
				496.	12:53:45.227	-95	96	53	50000	4			9246.	L3SM	GSM	Uplink	12:53:44.747	SACCH	MEASUREMENT_REPORT
				497.	12:53:45.227						5		9247.	L3SM	GSM	Downlink	12:53:45.181	SACCH	SYSTEM_INFORMATION_TYPE_6
				498.	12:53:45.707						6		9248.	L3SM	GSM	Uplink	12:53:45.227	SACCH	MEASUREMENT_REPORT
				499.	12:53:45.711	-95	96	53	50000	4			9249.	L3SM	GSM	Downlink	12:53:45.661	SACCH	SYSTEM_INFORMATION_TYPE_5
				500.	12:53:46.187						6		9250.	L3SM	GSM	Uplink	12:53:45.707	SACCH	MEASUREMENT_REPORT
				501.	12:53:46.431	-95	96	53	50000	4			9251.	L3SM	GSM	Downlink	12:53:46.035	DCCH	DISCONNECT
				502.	12:53:46.431								9252.	L3SM	GSM	Uplink	12:53:46.035	DCCH	RELEASE
				503.	12:53:49.051				50000	1			9253.	L3SM	GSM	Downlink	12:53:46.173	DCCH	RELEASE_COMPLETE
				504.	12:53:49.340						0		9254.	L3SM	GSM	Uplink	12:53:46.187	SACCH	MEASUREMENT_REPORT
				505.	12:53:50.052	-75	112	1	50000	1			9255.	L3SM	GSM	Downlink	12:53:46.293	DCCH	CHANNEL_RELEASE
				506.	12:53:50.487								9256.	L3SM	GSM	Downlink	12:53:46.947	BCCH	SYSTEM_INFORMATION_TYPE_3
				507.	12:53:50.542				50000	1			9257.	L3SM	GSM	Downlink	12:53:47.187	BCCH	SYSTEM_INFORMATION_TYPE_4
				508.	12:53:51.123	-92	112	1	50000	1			9258.	L3SM	GSM	Downlink	12:53:47.520	BCCH	SYSTEM_INFORMATION_TYPE_3
				509.	12:53:51.525	-92	112	1	50000	1			9259.	L3SM	GSM	Downlink	12:53:47.651	BCCH	SYSTEM_INFORMATION_TYPE_2
				510.	12:53:52.143	-92	112	1	50000	1			9260.	L3SM	GSM	Downlink	12:53:47.669	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
				511.	12:53:52.554	-93	112	1	50000	1			9261.	L3SM	GSM	Downlink	12:53:48.126	BCCH	SYSTEM_INFORMATION_TYPE_4
				512.	12:53:53.099	-92	112	1	50000	1			9262.	L3SM	GSM	Downlink	12:53:48.228	CCCH	PAGING_REQUEST_TYPE_1
				513.	12:53:53.597	-92	112	1	50000	1			9263.	L3SM	GSM	Downlink	12:53:48.357	BCCH	SYSTEM_INFORMATION_TYPE_1

- Analysis:**
- This call drop event occurred on long call at 12:53:46:035 time when UE was latched with 2G network.
 - After getting Alerting message at 12:53:17:459 time than Call drop happened.
 - During the session UE was latched with ARFCN 96 and RF condition Rx Level -97 dBm and Rx Qual 6 dB both are poor.
 - As per the analysis call drop happened due to poor coverage of the network.

THANKS