Seychelles Test Drive

Perseverance Phase-2 Report



DRIVE TEST ROUTE

Phase-1 Dates- 04th Oct 2024



Route Name: Mahe

District Name: Perseverance

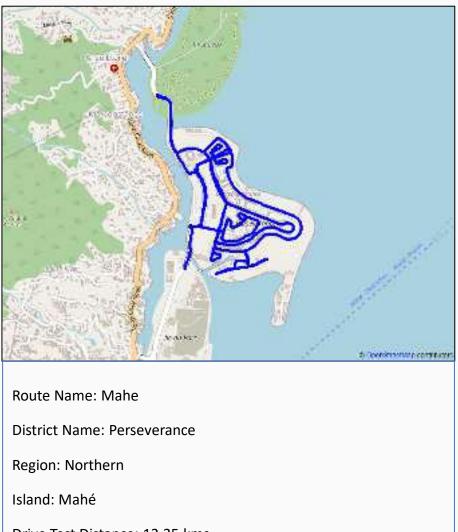
Region: Northern

Island: Mahé

Drive Test Distance: 12.02 kms

Drive Test Duration: 00 hours,32 minutes,39 seconds

Phase-2 Dates- 18th Oct 2024



Drive Test Distance: 12.35 kms

Drive Test Duration: 00 hours,28 minutes,49 seconds



VOICE EXECUTIVE SUMMARY

Phase-1

Short Call Findings:

- The Call Setup Success Rate for Airtel is (95.12%), while for Operator
 CWS it is (100.00%).
- The Call Setup Time for Airtel is (6.13s) , while for Operator CWS it is

 (7.80s)

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 (3.23), and for CWS, it is (3.46).

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 (5.77s), while for Operator CWS it is (9.48s)

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 (3.16), and for CWS, it is (3.33).



4G PREFERRED DATA TEST – EXECUTIVE SUMMARY

Phase-1

4G Preferred Data Findings:

- Airtel SFTP DL is (5.17 Mbps), while SFTP UL is (5.42 Mbps), CWS SFTP DL is (6.77 Mbps), while SFTP UL is (3.12 Mbps)
- Airtel HTTP DL is (9.51 Mbps), HTTP Capacity DL is (7.60 Mbps) ,HTTP UL is (10.18 Mbps) , and HTTP Capacity UL is (12.44 Mbps).
- CWS HTTP DL is (7.30 Mbps), HTTP Capacity DL is (38.60 Mbps) ,HTTP UL is (6.32 Mbps) , and HTTP Capacity UL is (21.59 Mbps).
- On live web page testing for browsing, <u>www.shein.com</u> took (9.71s), <u>www.nbs.gov.sc</u> took (20.58s), and <u>www.sbc.sc</u> took (29.19s) on Airtel.
- On live web page testing for browsing, <u>www.shein.com</u> took (9.29s), <u>www.nbs.gov.sc</u> took (16.86s), and <u>www.sbc.sc</u> took (23.05s) on CWS.
- On static browsing, Kepler Webpage took (4.57s), and Kepler Mobile took (1.84s) on Airtel.
- On static browsing, Kepler Webpage took (5.34s), and Kepler Mobile took (2.87s) on CWS.
- YouTube average resolution in Airtel is (1006.40) pixels.
- YouTube average resolution in CWS is (989.77) pixels.
- Airtel scored 53.11% in Carrier Aggregation (CA).
- CWS scored 32.97% in Carrier Aggregation (CA).

Phase-2

4G Preferred Data Findings:

- Airtel SFTP DL is (7.53 Mbps), while SFTP UL is (7.10 Mbps), CWS SFTP DL is (8.36 Mbps), while
 SFTP UL is (3.52 Mbps)
- Airtel HTTP DL is (9.65 Mbps), HTTP Capacity DL is (12.22 Mbps) ,HTTP UL is (12.51 Mbps) , and HTTP Capacity UL is (21.26 Mbps).
- CWS HTTP DL is (9.77 Mbps), HTTP Capacity DL is (41.52 Mbps) ,HTTP UL is (6.51 Mbps) , and HTTP Capacity UL is (18.93 Mbps).
- On live web page testing for browsing, <u>www.shein.com</u> took (6.87s), <u>www.nbs.gov.sc</u> took (20.02s), and <u>www.sbc.sc</u> took (21.24s) on Airtel.
- On live web page testing for browsing, <u>www.shein.com</u> took (10.10s), <u>www.nbs.gov.sc</u> took (16.76s), and <u>www.sbc.sc</u> took (14.68s) on CWS.
- On static browsing, Kepler Webpage took (4.56s), and Kepler Mobile took (1.72s) on Airtel.
- On static browsing, Kepler Webpage took (5.03s), and Kepler Mobile took (2.69s) on CWS.
- YouTube average resolution in Airtel is (975.50) pixels.
- YouTube average resolution in CWS is (1058.21) pixels.
- Airtel scored 65.91% in Carrier Aggregation (CA).
- CWS scored 35.88% in Carrier Aggregation (CA).



3G PREFERRED DATA TEST - EXECUTIVE SUMMARY

Phase-1

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3G Preferred Data Test Findings:

- Airtel SFTP DL is (3.36 Mbps), while SFTP UL is (1.66 Mbps), CWS SFTP DL is (2.98 Mbps), while
 SFTP UL is (1.44 Mbps)
- Airtel HTTP DL is (3.88 Mbps), HTTP Capacity DL is (4.58 Mbps) ,HTTP UL is (2.43 Mbps) , and HTTP Capacity UL is (5.09 Mbps).
- CWS HTTP DL is (2.95 Mbps), HTTP Capacity DL is (6.42 Mbps) ,HTTP UL is (1.82 Mbps) , and HTTP Capacity UL is (4.43 Mbps).
- On live web page testing for browsing, <u>www.shein.com</u> took (11.25s), <u>www.nbs.gov.sc</u> took (13.11s), and <u>www.sbc.sc</u> took (17.42s) on Airtel.
- On live web page testing for browsing, <u>www.shein.com</u> took (9.46s), <u>www.nbs.gov.sc</u> took (8.71s), and <u>www.sbc.sc</u> took (13.00s) on CWS.
- On static browsing, Kepler Webpage took (3.89s), and Kepler Mobile took (1.71s) on Airtel.
- On static browsing, Kepler Webpage took (5.68s), and Kepler Mobile took (2.51s) on CWS.
- YouTube average resolution in Airtel is (886.70) pixels.
- YouTube average resolution in CWS is (1027.79) pixels.

Phase-2

3G Preferred Data Test Findings:

- Airtel SFTP DL is (4.21 Mbps), while SFTP UL is (1.70 Mbps), CWS SFTP DL is (3.27 Mbps), while SFTP UL is (1.10 Mbps)
- Airtel HTTP DL is (5.40 Mbps), HTTP Capacity DL is (3.33 Mbps) ,HTTP UL is (1.94 Mbps) , and HTTP Capacity UL is (5.86 Mbps).
- CWS HTTP DL is (3.07 Mbps), HTTP Capacity DL is (6.26 Mbps), HTTP UL is (2.36 Mbps), and HTTP Capacity UL is (4.08 Mbps).
- On live web page testing for browsing, <u>www.shein.com</u> took (8.56s), <u>www.nbs.gov.sc</u> took (10.61s), and <u>www.sbc.sc</u> took (12.80s) on Airtel.
- On live web page testing for browsing, <u>www.shein.com</u> took (9.26s), <u>www.nbs.gov.sc</u> took (16.76s), and <u>www.sbc.sc</u> took (10.89s) on CWS.
- On static browsing, Kepler Webpage took (5.13s), and Kepler Mobile took (2.51s) on Airtel.
- On static browsing, Kepler Webpage took (5.72s), and Kepler Mobile took (2.46s) on CWS.
- YouTube average resolution in Airtel is (1080.00) pixels.
- YouTube average resolution in CWS is (1080.00) pixels.

TESTING METHODOLOGY

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

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

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



VOICE TEST KPI STATISTICS (Short Call)

Phase-1

Short Ca	II Statistics						Short Call	Statis		
Short Call Scenario	Operator 1	Operato	r 2				Short Call Scenario	Operato		
Voice KPIs	Airtel	CWS					Voice KPIs	Airte		
Call Attempt	41	39					Call Attempt	36		
Call Failed	2	0		CSSR= Call Setup USCSR=Unsucce			Call Failed	0		
Call Connected	39	39		CST=Call setup time					Call Connected	36
CSSR[%]	95.12	100.00		Call Setup Succe CRR= Call retain		,	CSSR[%]	100.0		
USCSR[%]	4.88	0.00		DCR=Dropped-c MOS=Mean Opi			USCSR[%]	0.00		
CST [s] Alerting	6.13	7.80		Drop Call Ratio<			CST [s] Alerting	5.77		
CST [s]Connected	6.43	8.01					CST [s]Connected	6.02		
	<u> </u>	Oper	rators	Ra	ank			Oper		
Call Setup Time	e (s)	Airtel	cws	Airtel	CWS		Call Setup Time (s)	Airtel		
Overall CST (until ringing/alertin	g)	6.13	7.80	1	2	Overall CST (until	ringing/alerting)	5.77		
CS calls CST (until ringing/alertin	g)	N/A	N/A	N/A	N/A	CS calls CST (until	ringing/alerting)	#N/A		
CSFB calls CST (until ringing/aler	ting)	6.13	7.80	1	2	CSFB calls CST (un	til ringing/alerting)	5.77		
			·							
Overall CST (until Connect/Conne	ect Acknowledge)	6.43	8.01	1	2	Overall CST (until	Connect/Connect Acknowledge)	6.02		
CS calls CST (until Connect/Conn	ect Acknowledge)	N/A	N/A	N/A	N/A	CS calls CST (until	Connect/Connect Acknowledge)	#N/A		
CSFB calls CST (until Connect/Co	nnect Acknowledge	e) 6.43	8.01	1	2	CSFB calls CST (un	til Connect/Connect Acknowledge)	6.02		

	Short Call Statistics							
	Short Call Scenario	Operato	or 1	Operator	2			
	Voice KPIs	Airte		CWS				
	Call Attempt	36		33				
	Call Failed	0		0				
	Call Connected	36		33				
	CSSR[%]	100.0	0	100.00				
	USCSR[%]	0.00		0.00				
	CST [s] Alerting	5.77	9.49					
	CST [s]Connected	6.02		9.70				
0	all Satur Time (s)	Oper	ators	Ra	nk			
	all Setup Time (s)	Airtel	cws	Airtel	CWS			
until r	inging/alerting)	5.77	9.49	1	2			
(until ringing/alerting)		#N/A	#N/A	#N/A	#N/A			
ST (until ringing/alerting)		5.77	9.49	1	2			

Overall CST (until Connect/Connect Acknowledge)	6.02	9.70	1	2
CS calls CST (until Connect/Connect Acknowledge)	#N/A	#N/A	#N/A	#N/A
CSFB calls CST (until Connect/Connect Acknowledge)	6.02	9.70	1	2



VOICE TEST KPI STATISTICS (Long Call)

Phase-1

Long Call Statistics							
Long Call Sc	Long Call Scenario			0	perator 2		
Voice K	Pls	Airte	el		CWS		
Call Conne	ected	11			11		
Call Drop	ped	0			0		
Call Comp	leted	11			11		
CRR[%	5]	100.0	00		100.00		
DCR[%	DCR[%]		0.00		0.00		
MOS		3.23	3.23		3.46		
	Airtel short call	CWS short call	Airtel cal		CWS long call		
CSFB Calls	41	39	11		11		
CS Calls	0	0	0		0		
Hando	Handover Statistics			мо	CWS MO		
Hando	Handover Attempt				49		
Hand	Handover Failure				1		
Hando	over Success		15		48		
F	HOSR %				97.96		

Long Call Statistics							
Long Call Sc	enario	Operato	or 1	O	perator 2		
Voice KF	Pls	Airte	I		CWS		
Call Conne	cted	10			10		
Call Drop	ped	0			0		
Call Comp	eted	10			10		
CRR[%]	100.0	0	100.00			
DCR[%	DCR[%]		0.00		0.00		
MOS		3.16	3.16		3.33		
	Airtel short call	CWS short call	Airtel ca		CWS long call		
CSFB Calls	36	33	10)	10		
CS Calls	0	0	0		0		
Handov	Handover Statistics			мо	CWS MO		
Hando	Handover Attempt				38		
Handover Failure					1		
Hando	ver Success		11		37		
HOSR %				84.62			



DATA TEST KPI STATISTICS(4G Preferred)

			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)
	SFTP DL (Mbps)	5.17	6.77	2	1	7.53	8.36	2	1
ĸ	SFTP UL(Mbps)	5.42	3.12	1	2	7.10	3.52	1	2
ANSFI	HTTP DL(Mbps)	9.51	7.30	1	2	9.65	9.77	2	1
FILE TRANSFER	HTTP UL(Mbps)	10.18	6.32	1	2	12.51	6.51	1	2
문	HTTP Capacity DL(Mbps)	7.60	38.60	2	1	12.22	41.52	2	1
	HTTP Capacity UL(Mbps)	12.44	21.59	2	1	21.26	18.93	1	2
	Overall Browser DL Time (s)	13.53	11.17	2	1	11.14	9.85	2	1
	Kepler Webpage DL Time (s)	4.57	5.34	1	2	4.56	5.03	1	2
BROWSER	Mobile Kepler Webpage DL Time (s)	1.84	2.87	1	2	1.72	2.69	1	2
BROV	www.shein.com Webpage DL Time (s)	9.71	9.29	2	1	6.87	10.10	1	2
	www.nbs.gov.sc Webpage DL Time (s)	20.58	16.86	2	1	20.02	16.76	2	1
	www.sbc.sc Webpage DL Time (s)	29.19	23.05	2	1	21.24	14.68	2	1
LATENCY	Avg Latency (ms)	271.50	270.76	2	1	260.18	246.65	2	1
LATE	Median Latency (ms)	269	230	2	1	142	192	1	2
BE	YouTube Access Time (s)	5.46	1.87	2	1	5.56	2.11	2	1
YOUTUBE	YouTube Average Resolution (pixels)	1006.40	989.77	1	2	975.50	1058.21	2	1
YC	YouTube Success Ratio [%]	100.00	100.00	1	1	100.00	100.00	1	1



4G PREFERRED THROUGHPUT FILE ACCESS

Phase-1

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
	Success	6	6	100.00	100.00
SFTP DL	Failure	0	0	0.00	0.00
	Success	6	6	100.00	100.00
SFTP UL	Failure	0	0	0.00	0.00
	Success	5	6	83.33	100.00
HTTP DL	Failure	1	0	16.67	0.00
HTTP UL	Success	5	6	100.00	100.00
HIPOL	Failure	0	0	0.00	0.00
	Success	5	5	100.00	100.00
HTTP Capacity DL	Failure	0	0	0.00	0.00
	Success	5	4	100.00	80.00
HTTP Capacity UL	Failure	0	1	0.00	20.00

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
	Success	6	6	100.00	100.00
SFTP DL	Failure	0	0	0.00	0.00
SFTP UL	Success	6	6	100.00	100.00
SFIP OL	Failure	0	0	0.00	0.00
HTTP DL	Success	6	6	100.00	100.00
HIPDL	Failure	0	0	0.00	0.00
	Success	6	6	100.00	100.00
HTTP UL	Failure	0	0	0.00	0.00
	Success	5	5	100.00	100.00
HTTP Capacity DL	Failure	0	0	0.00	0.00
	Success	5	5	100.00	100.00
HTTP Capacity UL	Failure	0	0	0.00	0.00



4G PREFERRED BROWSING FILE ACCESS

Phase-1

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kanlar	Success	4	6	80.00	100.00
Kepler	Failure	1	0	20.00	0.00
Mahila Kaplar	Success	5	5	100.00	100.00
Mobile Kepler	Failure	0	0	0.00	0.00
	Success	5	6	100.00	100.00
www.shein.com	Failure	0	0	0.00	0.00
ununu nha gou ca	Success	5	5	100.00	100.00
www.nbs.gov.sc	Failure	0	0	0.00	0.00
	Success	5	5	100.00	100.00
www.sbc.sc	Failure	0	0	0.00	0.00

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kaular	Success	4	5	80.00	100.00
Kepler	Failure	1	0	20.00	0.00
	Success	5	5	100.00	100.00
Mobile Kepler	Failure	0	0	0.00	0.00
	Success	5	5	100.00	100.00
www.shein.com	Failure	0	0	0.00	0.00
	Success	5	5	100.00	100.00
www.nbs.gov.sc	Failure	0	0	0.00	0.00
	Success	5	5	100.00	100.00
www.sbc.sc	Failure	0	0	0.00	0.00



4G PREFERRED LATENCY

Phase-1

	Latency KPIs	Airtel 4G	CWS 4G	
	Sample Count [32 bytes]	9	11	
	Average Latency [ms]	278.33	252.36	
	Median Latency [ms]	264	199	
Overall Latency	Ping session status: Successful	9	11	Overall La
	Ping session status: Failed [Socket error]	0	0	
	Ping session status: Failed [Protocol error timeout]	0	0	
	Packet Loss<1%	0.00	0.00	
	Average Latency [ms]	402.80	157.00	
	Median Latency [ms]	401	152	
www.google.com	Ping session status: Successful	5	5	
www.google.com	Ping session status: Failed [Socket error]	0	0	www.goog
	Ping session status: Failed [Protocol error timeout]	0	0	
	Packet Loss<1%	0.00	0.00	
	Average Latency [ms]	122.75	331.83	
	Median Latency [ms]	124	328	
102.133.176.104	Ping session status: Successful	4	6	102 122 1
102.133.176.104	Ping session status: Failed [Socket error]	0	0	102.133.17
	Ping session status: Failed [Protocol error timeout]	0	0	
	Packet Loss<1%	0.00	0.00	

	Latency KPIs	Airtel 4G	CWS 4G
	Sample Count [32 bytes]	11	11
	Average Latency [ms]	256.73	215.18
	Median Latency [ms]	142	192
Latency	Ping session status: Successful	11	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
	Average Latency [ms]	419.80	173.00
	Median Latency [ms]	423	166
	Ping session status: Successful	5	5
ogle.com	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
	Average Latency [ms]	120.83	250.67
	Median Latency [ms]	116	239
170 104	Average Latency [ms] Median Latency [ms] Ping session status: Successful	6	6
176.104	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00



4G PREFERRED YOUTUBE COMPARISON

Phase-1

LTE YOUTUBE Success Ratio					
KPIs	Airtel 4G	CWS 4G			
Attempt(Count)	5	6			
Success(Count)	5	6			
Failure(Count)	0	0			
YouTube Access Time (s)	5.46	1.87			
YouTube Average Resolution (pixels)	1006.40	989.77			
YouTube Success Ratio [%]	100.00	100.00			

LTE YOUTUBE Success Ratio					
KPIs	Airtel 4G	CWS 4G			
Attempt(Count)	6	6			
Success(Count)	6	6			
Failure(Count)	0	0			
YouTube Access Time (s)	5.56	2.11			
YouTube Average Resolution (pixels)	975.50	1058.21			
YouTube Success Ratio [%]	100.00	100.00			



DATA TEST KPI STATISTICS (3G Preferred)

		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)
	SFTP DL (Mbps)	3.36	2.98	1	2	4.21	3.27	1	2
ĸ	SFTP UL(Mbps)	1.66	1.44	1	2	1.70	1.10	1	2
ANSFI	HTTP DL(Mbps)	3.88	2.95	1	2	5.40	3.07	1	2
FILE TRANSFER	HTTP UL(Mbps)	2.43	1.82	1	2	1.94	2.36	2	1
륜	HTTP Capacity DL(Mbps)	4.58	6.42	2	1	3.33	6.26	2	1
	HTTP Capacity UL(Mbps)	5.09	4.43	1	2	5.86	4.08	1	2
	Overall Browser DL Time (s)	9.47	7.87	2	1	7.58	8.85	1	2
	Kepler Webpage DL Time (s)	3.89	5.68	1	2	5.13	5.72	1	2
BROWSER	Mobile Kepler Webpage DL Time (s)	1.71	2.51	1	2	2.51	2.46	2	1
BROV	www.shein.com Webpage DL Time (s)	11.25	9.46	2	1	8.56	9.26	1	2
	www.nbs.gov.sc Webpage DL Time (s)	13.11	8.71	2	1	10.61	16.73	1	2
	www.sbc.sc Webpage DL Time (s)	17.42	13.00	2	1	12.80	10.89	2	1
NCY	Avg Latency (ms)	258.04	192.02	2	1	288.43	238.68	2	1
LATENCY	Median Latency (ms)	138	194	1	2	344.5	171	2	1
3E	YouTube Access Time (s)	3.95	6.08	1	2	4.60	2.06	2	1
YOUTUBE	YouTube Average Resolution (pixels)	886.70	1027.79	2	1	1080.00	1080.00	1	1
λο	YouTube Success Ratio [%]	100.00	100.00	1	1	100.00	80.00	1	2



3G PREFERRED THROUGHPUT FILE ACCESS

Phase-1

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G (%)	CWS 3G (%)
SFTP DL	Success	6	6	100.00	100.00
SFIP DL	Failure	0	0	0.00	0.00
	Success	6	5	100.00	83.33
SFTP UL	Failure	0	1	0.00	16.67
	Success	6	6	100.00	100.00
HTTP DL	Failure	0	0	0.00	0.00
	Success	6	6	100.00	100.00
HTTP UL	Failure	0	0	0.00	0.00
	Success	5	5	100.00	100.00
HTTP Capacity DL	Failure	0	0	0.00	0.00
	Success	5	5	100.00	100.00
HTTP Capacity UL	Failure	0	0	0.00	0.00

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G (%)	CWS 3G (%)
SFTP DL	Success	5	5	100.00	100.00
SFIP DL	Failure	0	0	0.00	0.00
SFTP UL	Success	5	5	100.00	100.00
SFIP OL	Failure	0	0	0.00	0.00
HTTP DL	Success	5	5	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	5	3	100.00	60.00
HTTP OL	Failure	0	2	0.00	40.00
	Success	4	4	100.00	100.00
HTTP Capacity DL	Failure	0	0	0.00	0.00
	Success	4	4	100.00	100.00
HTTP Capacity UL	Failure	0	0	0.00	0.00



3G PREFERRED BROWSING FILE ACCESS

Phase-1

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Konlor	Success	5	5	100.00	100.00
Kepler	Failure	0	0	0.00	0.00
Mobile Konler	Success	5	5	100.00	100.00
Mobile Kepler	Failure	0	0	0.00	0.00
www.shein.com	Success	5	5	100.00	100.00
www.snein.com	Failure	0	0	0.00	0.00
	Success	5	5	100.00	100.00
www.nbs.gov.sc	Failure	0	0	0.00	0.00
www.sbc.sc	Success	5	5	100.00	100.00
www.sbc.sc	Failure	0	0	0.00	0.00

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kaalar	Success	5	5	100.00	100.00
Kepler	Failure	0	0	0.00	0.00
Mahila Karlar	Success	4	4	100.00	100.00
Mobile Kepler	Failure	0	0	0.00	0.00
	Success	5	4	100.00	100.00
www.shein.com	Failure	0	0	0.00	0.00
	Success	4	4	80.00	100.00
www.nbs.gov.sc	Failure	1	0	20.00	0.00
www.sbc.sc	Success	3	4	75.00	100.00
www.sbc.sc	Failure	1	0	25.00	0.00



3G PREFERRED LATENCY

Phase-1

Phase-2

rtel 3G CWS 3G

239.57

12.50

180.75

0.00

318.00

25.00

	Latency KPIs	Airtel 3G	CWS 3G		Latency KPIs	Airtel 3G
	Sample Count [32 bytes]	11	10		Sample Count [32 bytes]	6
	Average Latency [ms]	267.73	179.30		Average Latency [ms]	342.33
	Median Latency [ms]	284	176		Median Latency [ms]	408
Overall Latency	Ping session status: Successful	11	10	Overall Latency	Ping session status: Successful	6
	Ping session status: Failed [Socket error]	0	0		Ping session status: Failed [Socket error]	0
	Ping session status: Failed [Protocol error timeout]	0	1		Ping session status: Failed [Protocol error timeout]	3
	Packet Loss<1%	0.00	9.09		Packet Loss<1%	33.33
	Average Latency [ms]	412.40	143.80		Average Latency [ms]	420.75
	Median Latency [ms]	411	139		Median Latency [ms]	417
	Ping session status: Successful	5	5		Ping session status: Successful	4
www.google.com	Ping session status: Failed [Socket error]	0	0	www.google.com	Ping session status: Failed [Socket error]	0
	Ping session status: Failed [Protocol error timeout]	0	0		Ping session status: Failed [Protocol error timeout]	0
	Packet Loss<1%	0.00	0.00		Packet Loss<1%	0.00
	Average Latency [ms]	147.17	214.80		Average Latency [ms]	185.50
	Median Latency [ms]	120	210		Median Latency [ms]	186
	Ping session status: Successful	6	5		Ping session status: Successful	2
102.133.176.104	Ping session status: Failed [Socket error]	0	0	102.133.176.104	Ping session status: Failed [Socket error]	0
	Ping session status: Failed [Protocol error timeout]	0	1		Ping session status: Failed [Protocol error timeout]	3
	Packet Loss<1%	0.00	16.67		Packet Loss<1%	60.00



3G PREFERRED YOUTUBE COMPARISON

Phase-1

UMTS YOUTUBE Success Ratio					
KPIs	Airtel 3G	CWS 3G			
Attempt(Count)	6	5			
Success(Count)	6	5			
Failure(Count)	0	0			
YouTube Access Time (s)	3.95	6.08			
YouTube Average Resolution (pixels)	886.70	1027.79			
YouTube Success Ratio [%]	100.00	100.00			

UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	5	5
Success(Count)	5	4
Failure(Count)	0	1
YouTube Access Time (s)	4.60	2.06
YouTube Average Resolution (pixels)	1080.00	1080.00
YouTube Success Ratio [%]	100.00	80.00

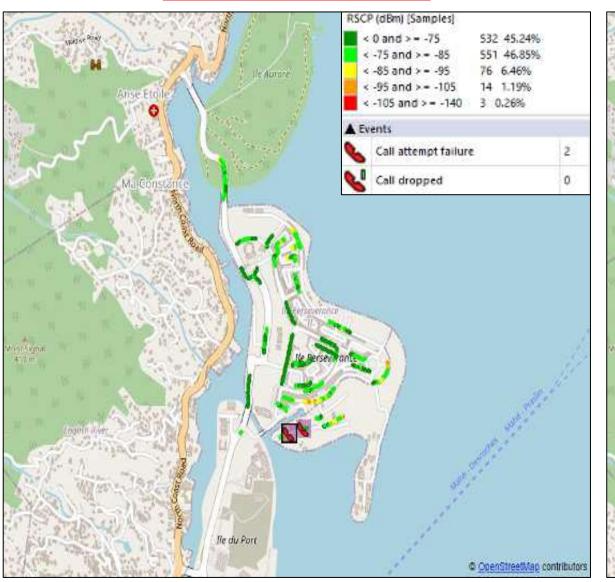


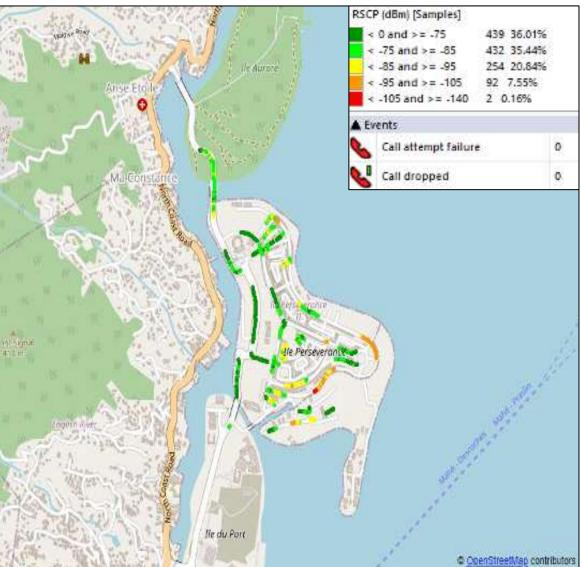
Voice Call Events



Phase-1 SHORT CALL FAILURE EVENTS LOCATION vs RSCP

Airtel SC MO

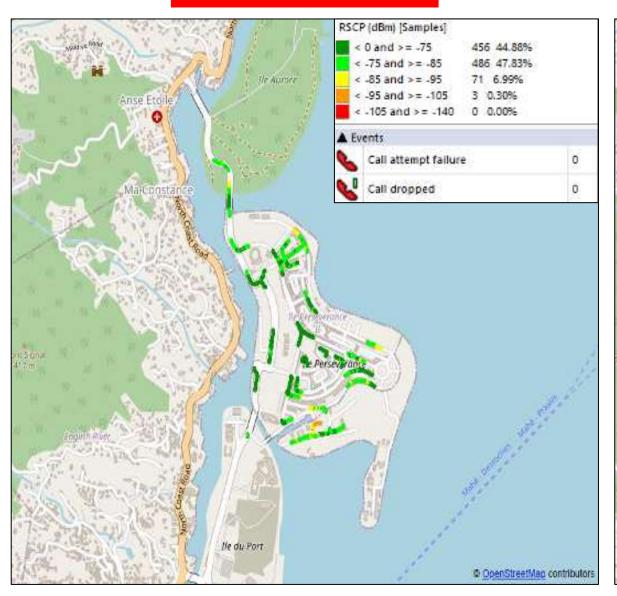


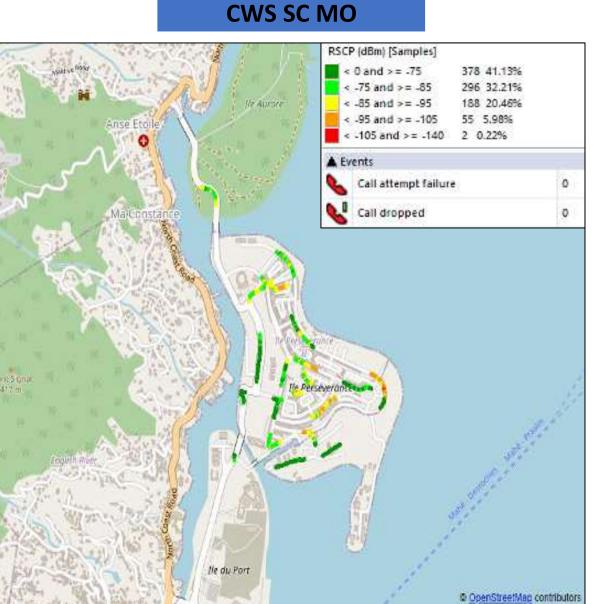


CWS SC MO



Phase-2 SHORT CALL FAILURE EVENTS LOCATION vs RSCP

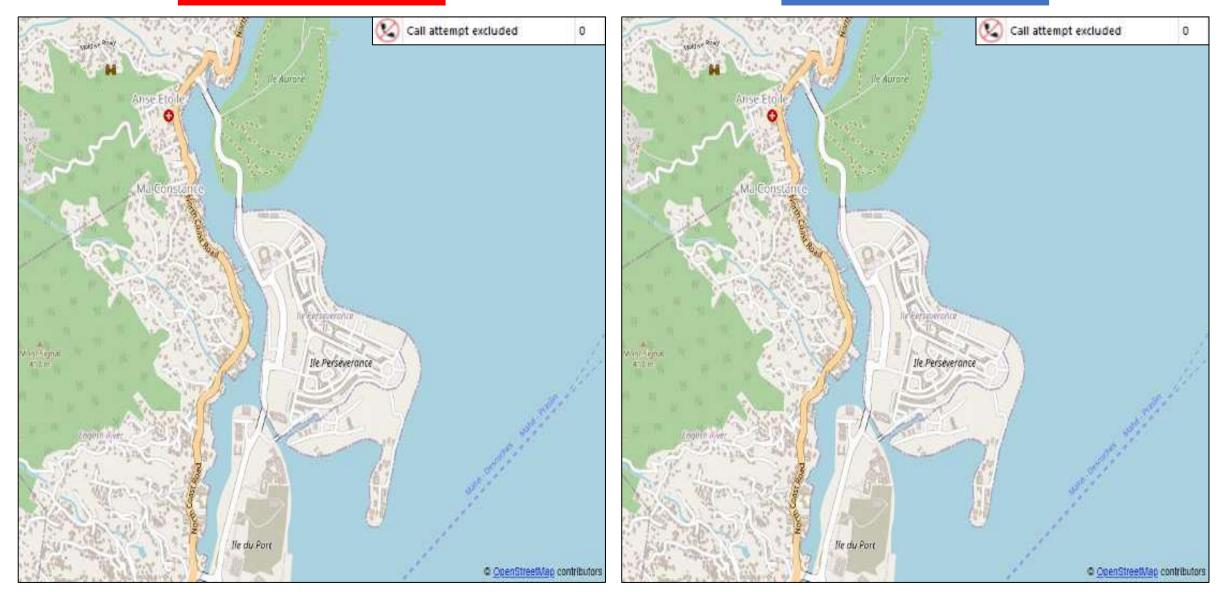






Phase-1 SHORT CALL EXCLUDED EVENTS

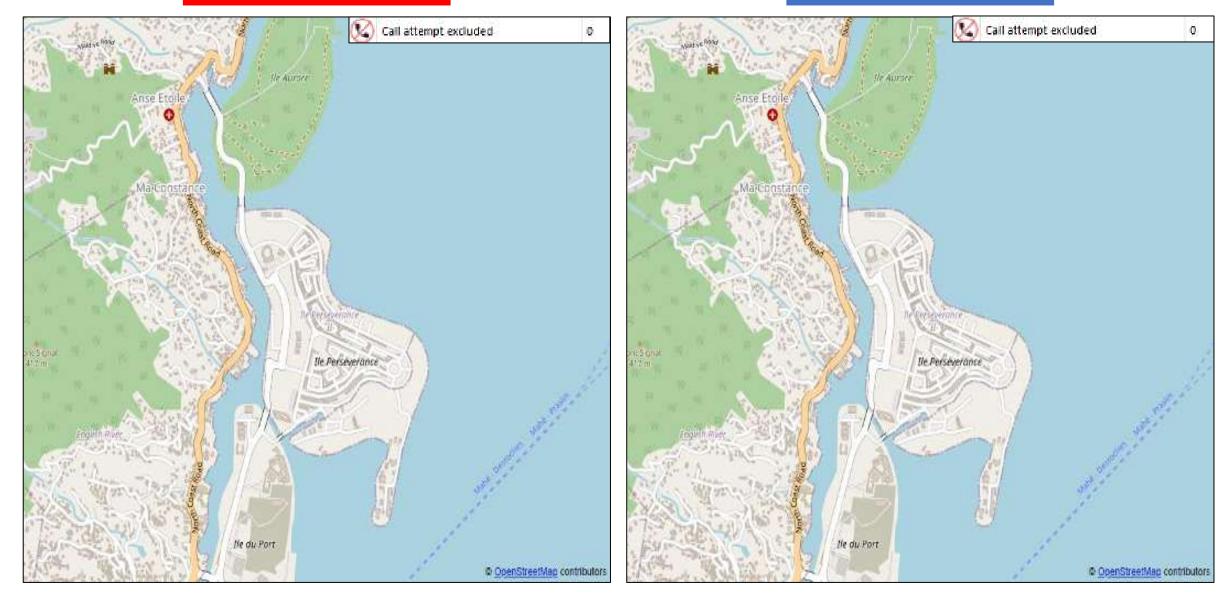
CWS SC MO





Phase-2 SHORT CALL EXCLUDED EVENTS

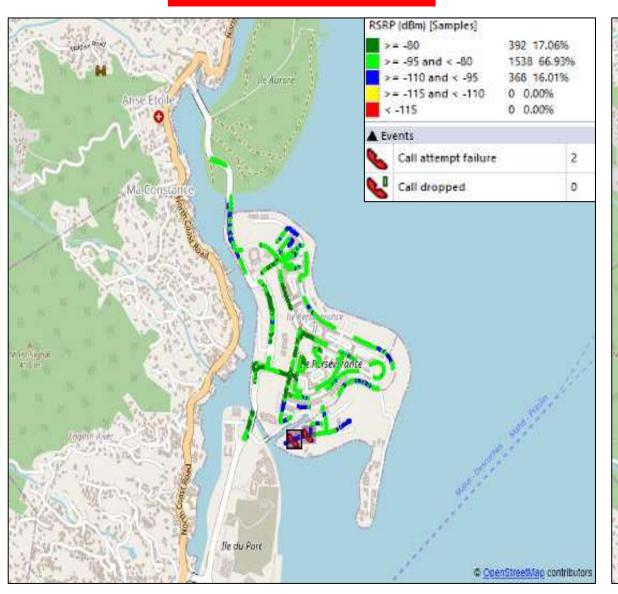
CWS SC MO

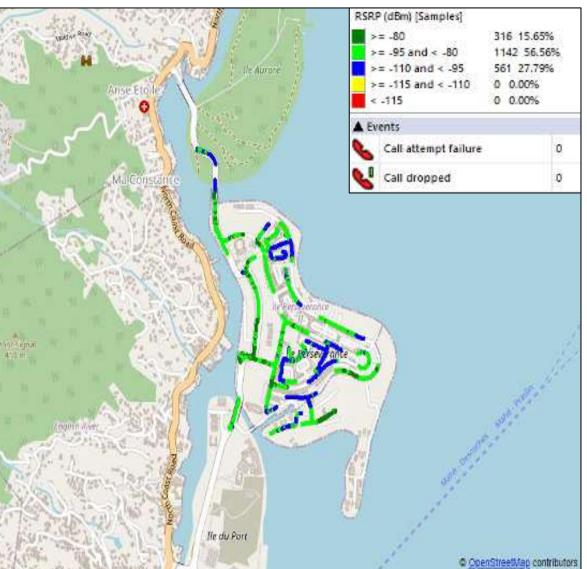




Phase-1 SHORT CALL FAILURE EVENTS LOCATION vs RSRP

Airtel SC MO

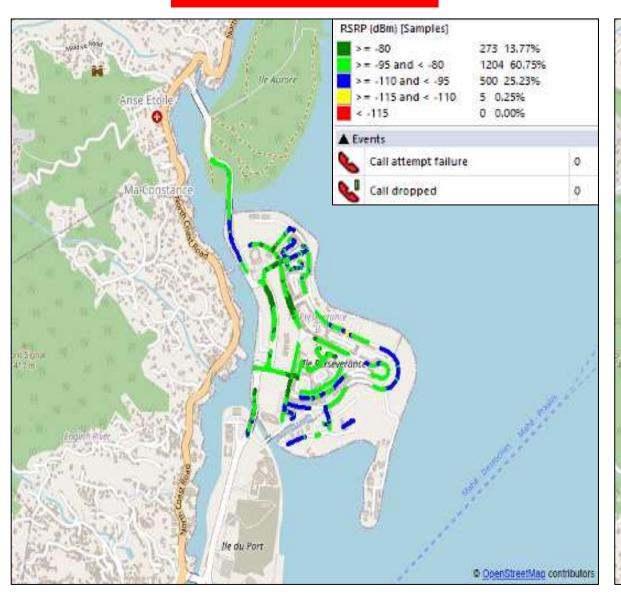


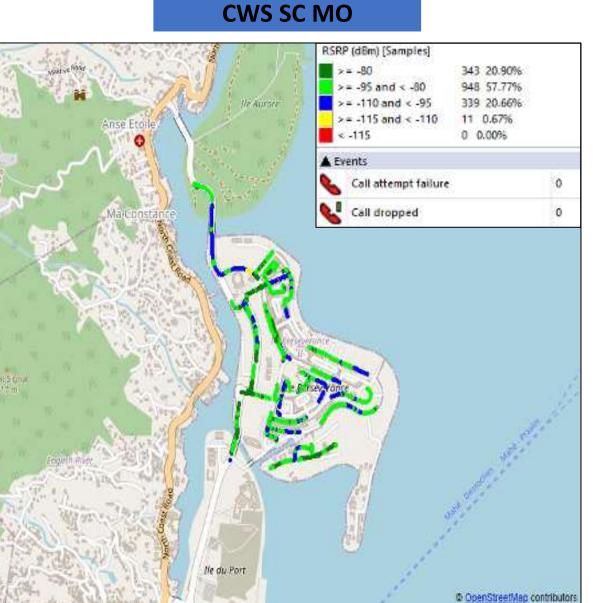


CWS SC MO



Phase-2 SHORT CALL FAILURE EVENTS LOCATION vs RSRP

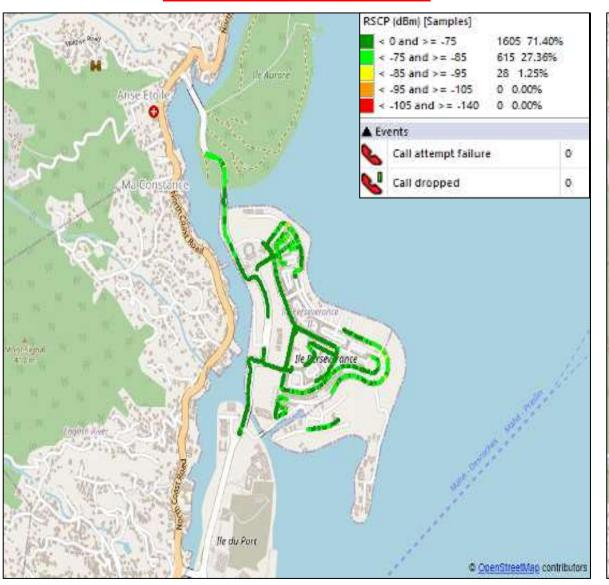


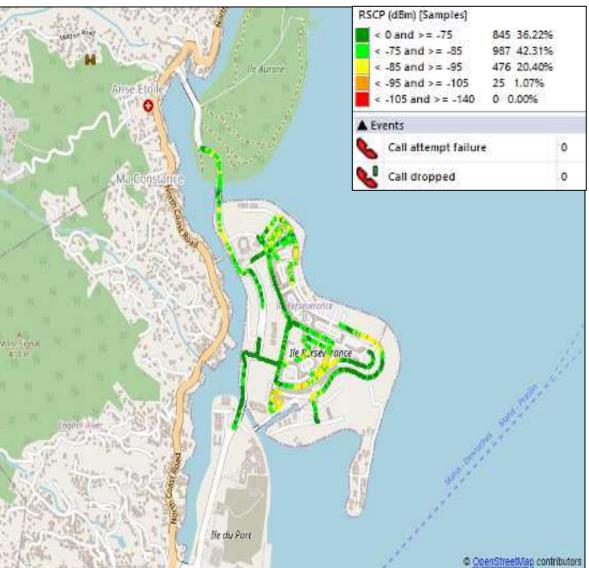




Phase-1 LONG CALL FAILURE EVENTS LOCATION vs RSCP

Airtel LC MO



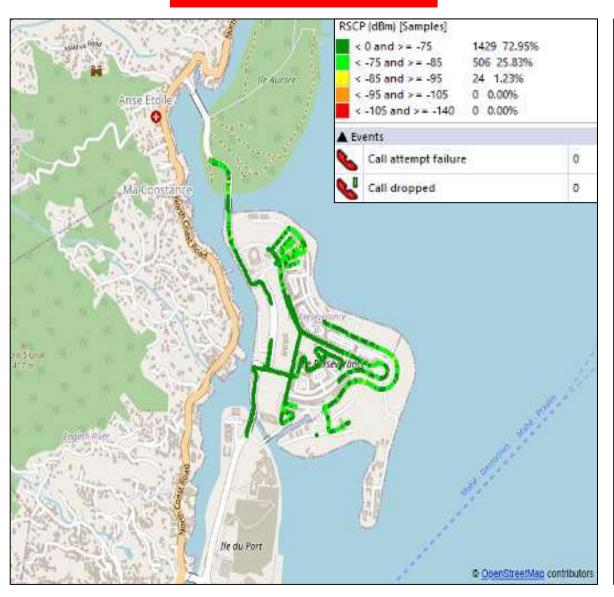


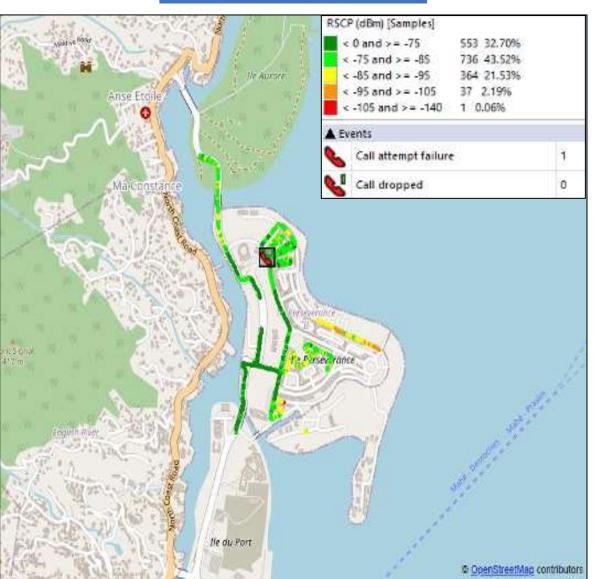
CWS LC MO



Phase-2 LONG CALL FAILURE EVENTS LOCATION vs RSCP

Airtel LC MO



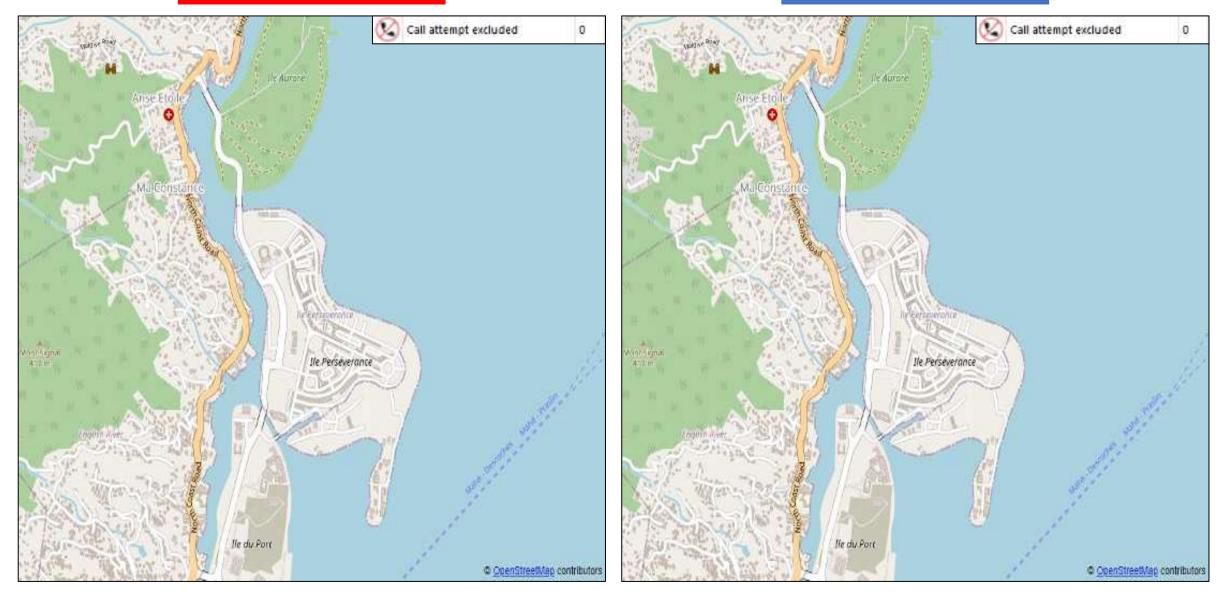


CWS LC MO



Phase-1 LONG CALL EXCLUDED EVENTS

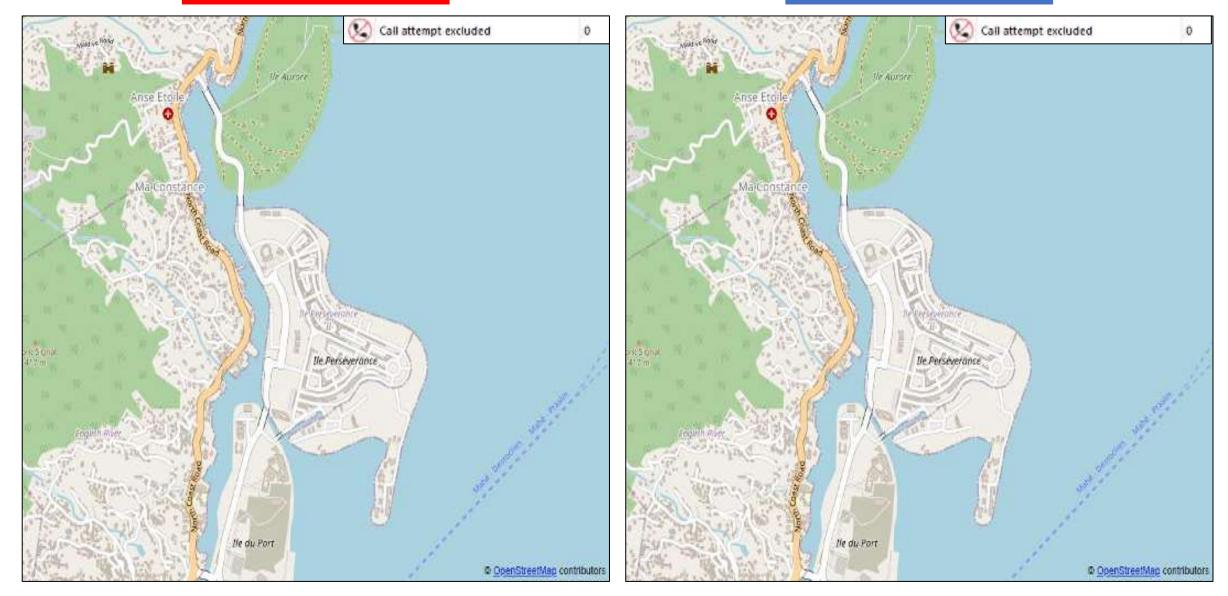
CWS LC MO





Phase-2 LONG CALL EXCLUDED EVENTS

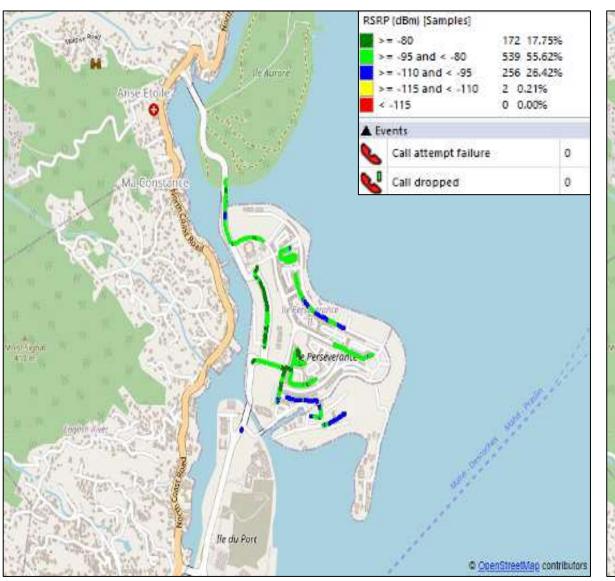
CWS LC MO

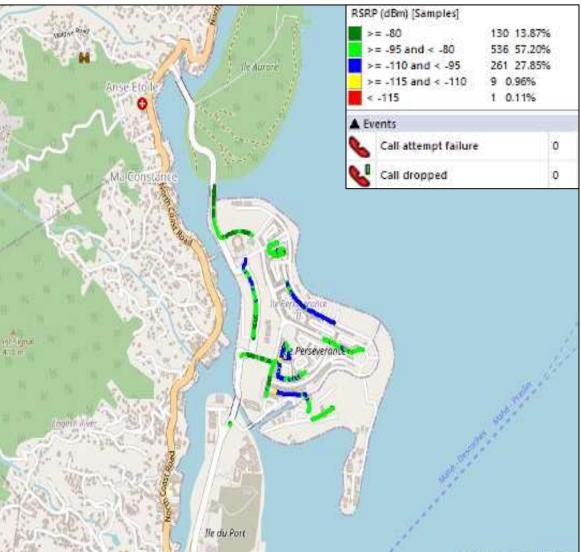




Phase-1 LONG CALL FAILURE EVENTS LOCATION vs RSRP

Airtel LC MO





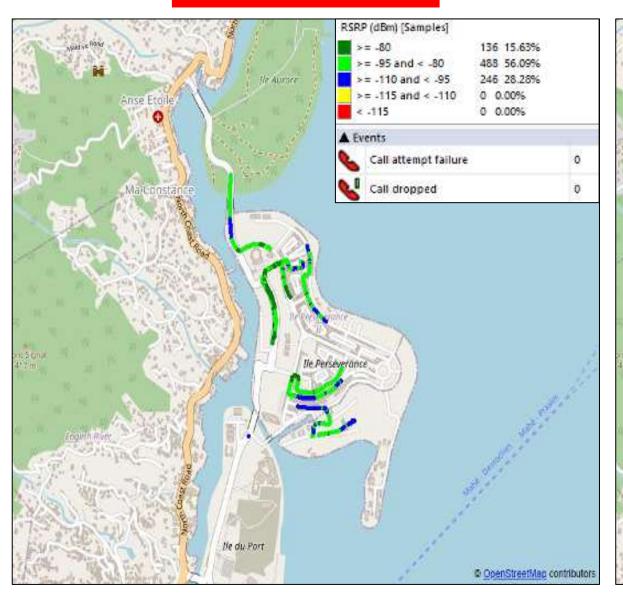
CoenStreetMap contributors

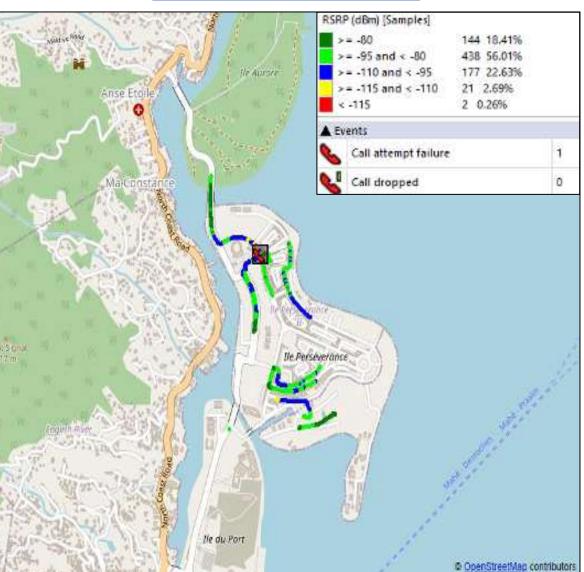
CWS LC MO



Phase-2 LONG CALL FAILURE EVENTS LOCATION vs RSRP

Airtel LC MO





CWS LC MO

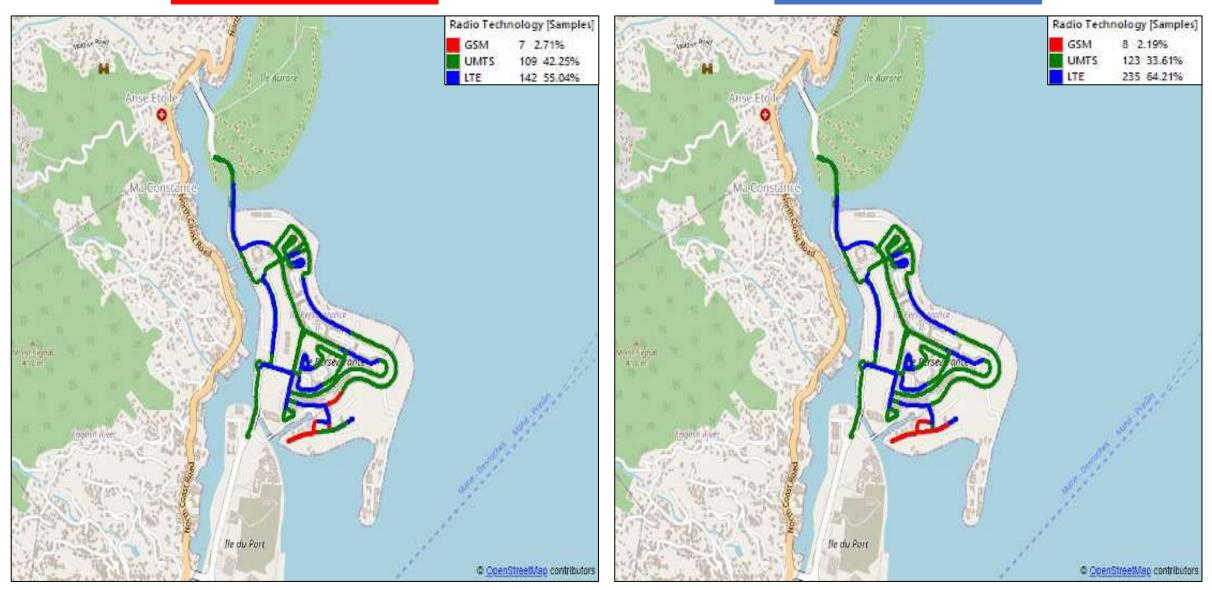


LONG CALL DRIVE PLOTS



Phase-1 Long Call RADIO TECHNOLOGY PLOT

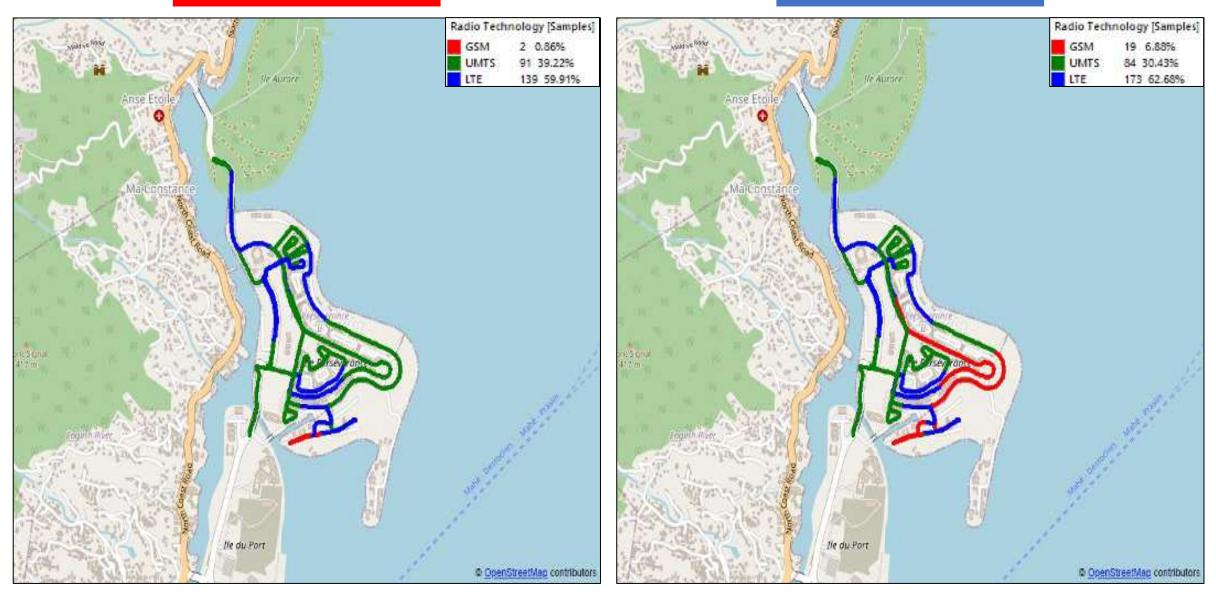
Airtel LC MO



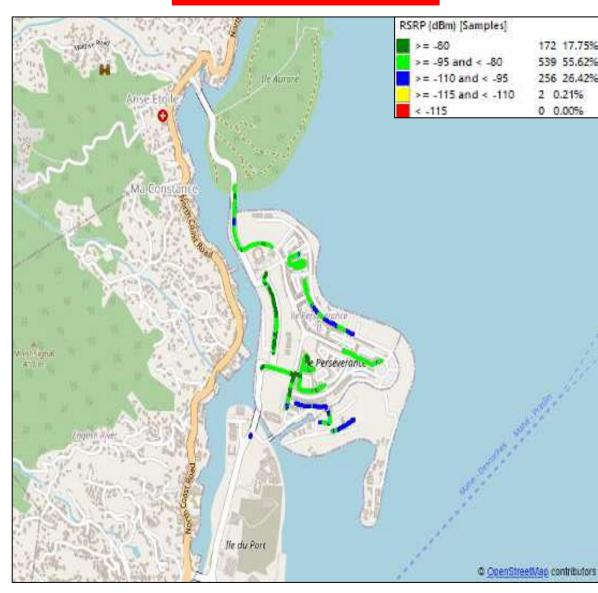
CWS LC MO

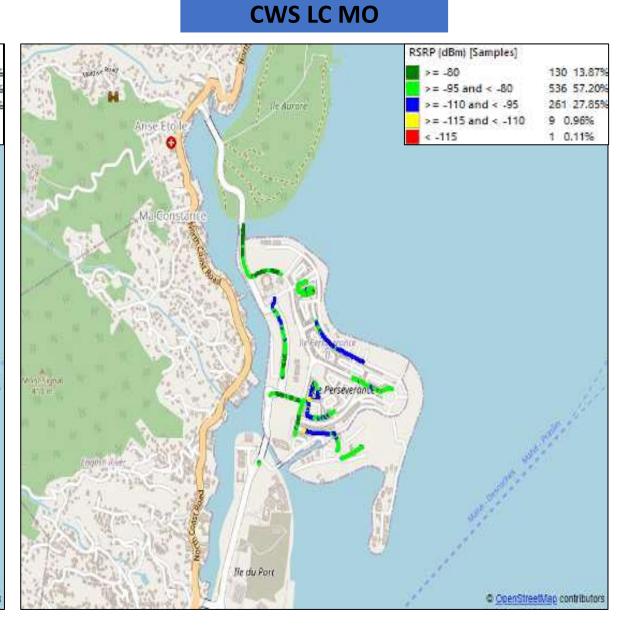
Phase-2 Long Call RADIO TECHNOLOGY PLOT

CWS LC MO



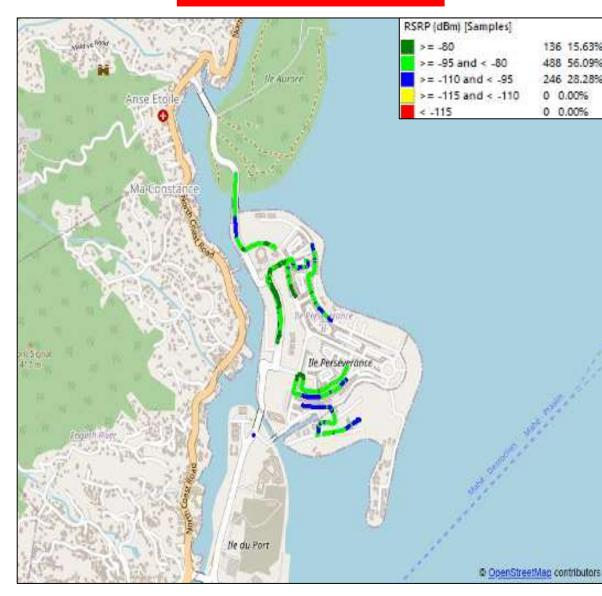
Phase-1 Long Call RSRP PLOT

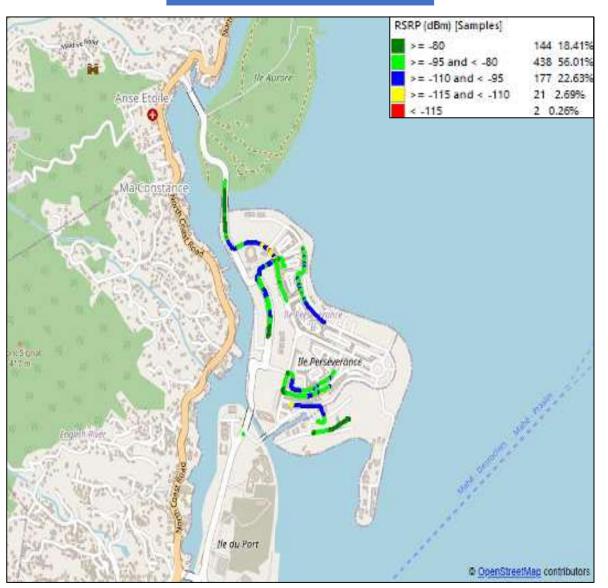




Phase-2 Long Call RSRP PLOT

Airtel LC MO

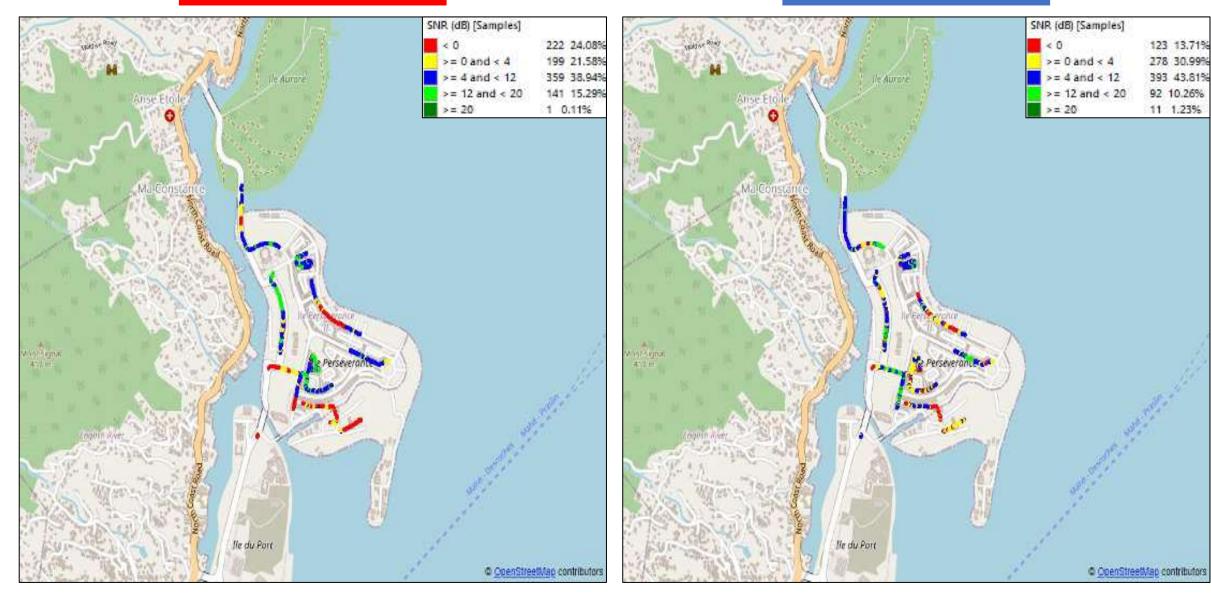




CWS LC MO

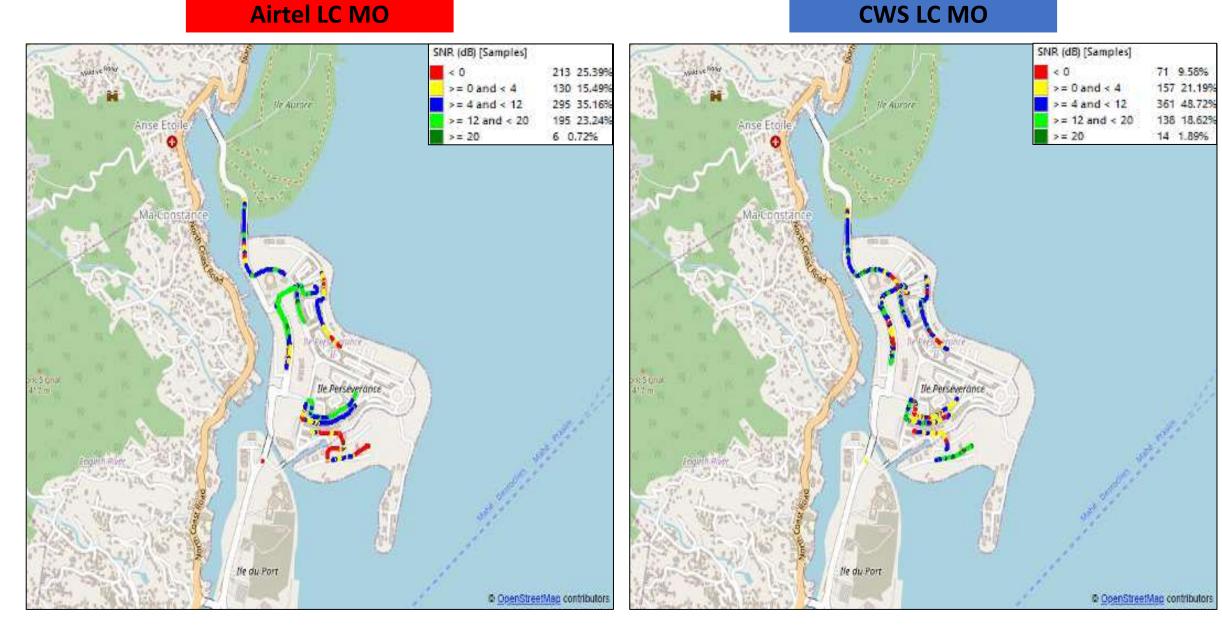
Phase-1 Long Call SINR PLOT

CWS LC MO





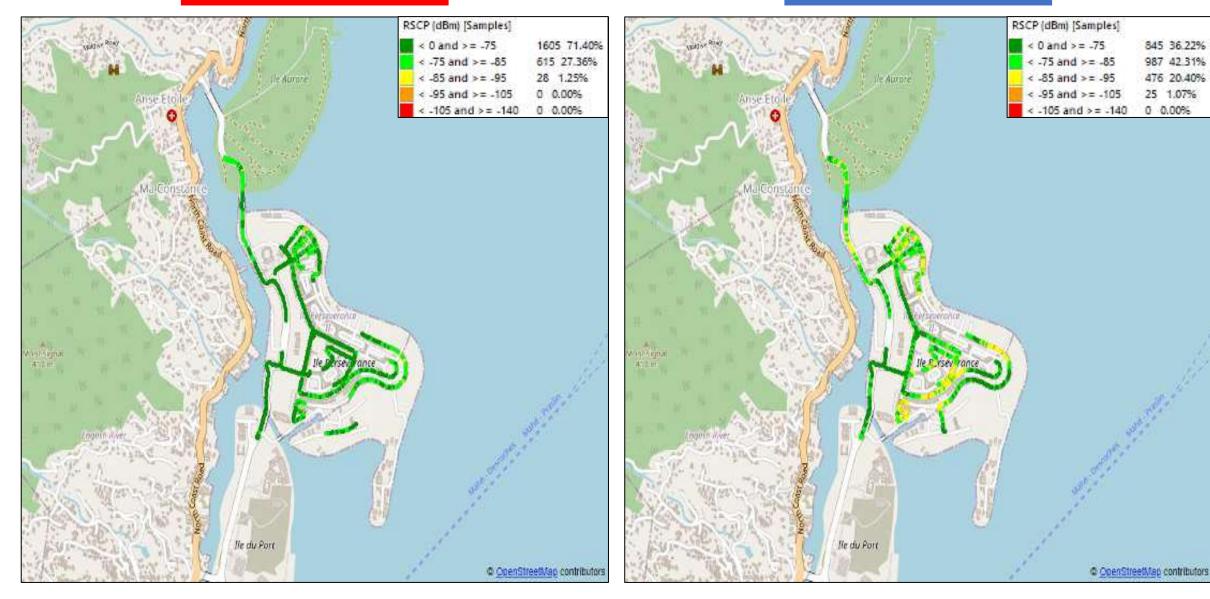
Phase-2 Long Call SINR PLOT





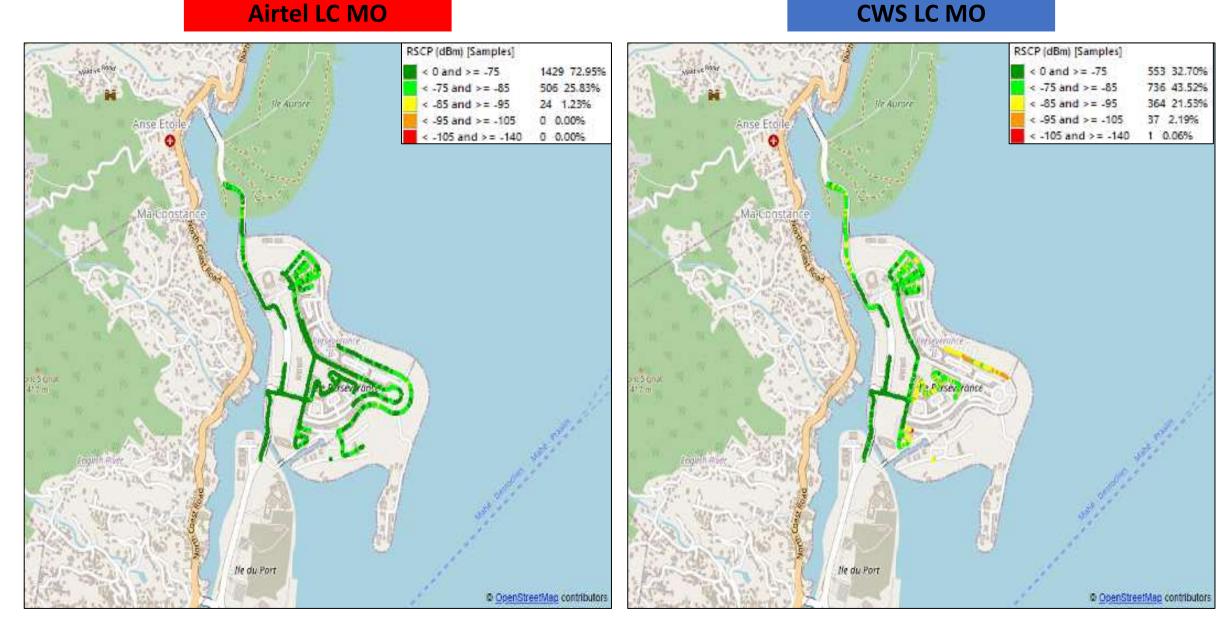
Phase-1 Long Call RSCP PLOT

CWS LC MO



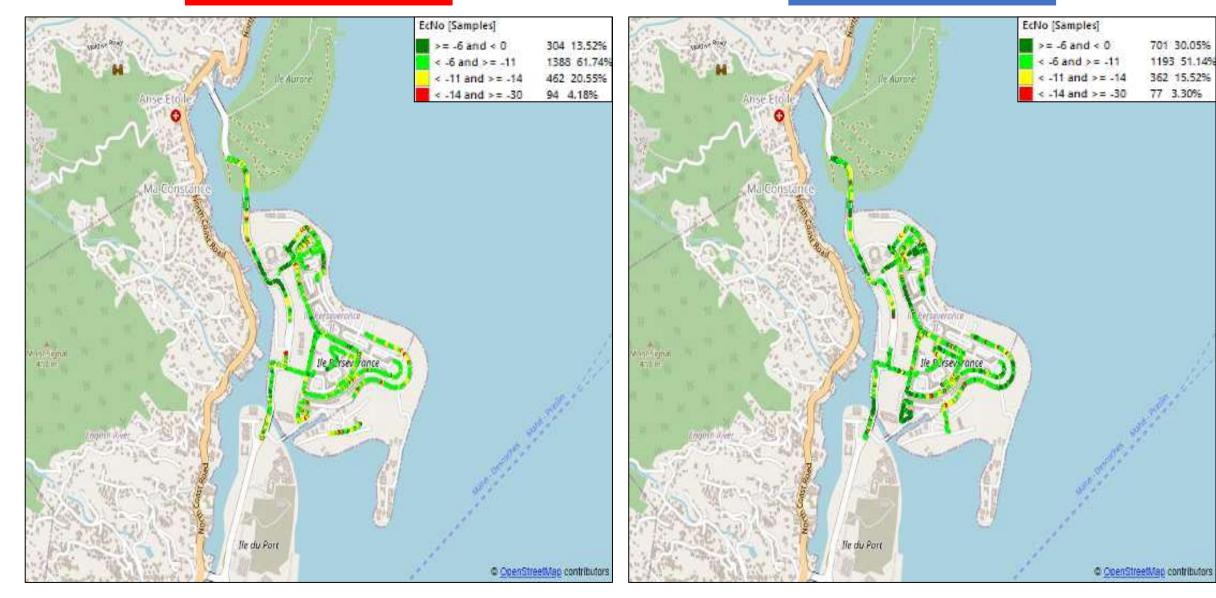


Phase-2 Long Call RSCP PLOT



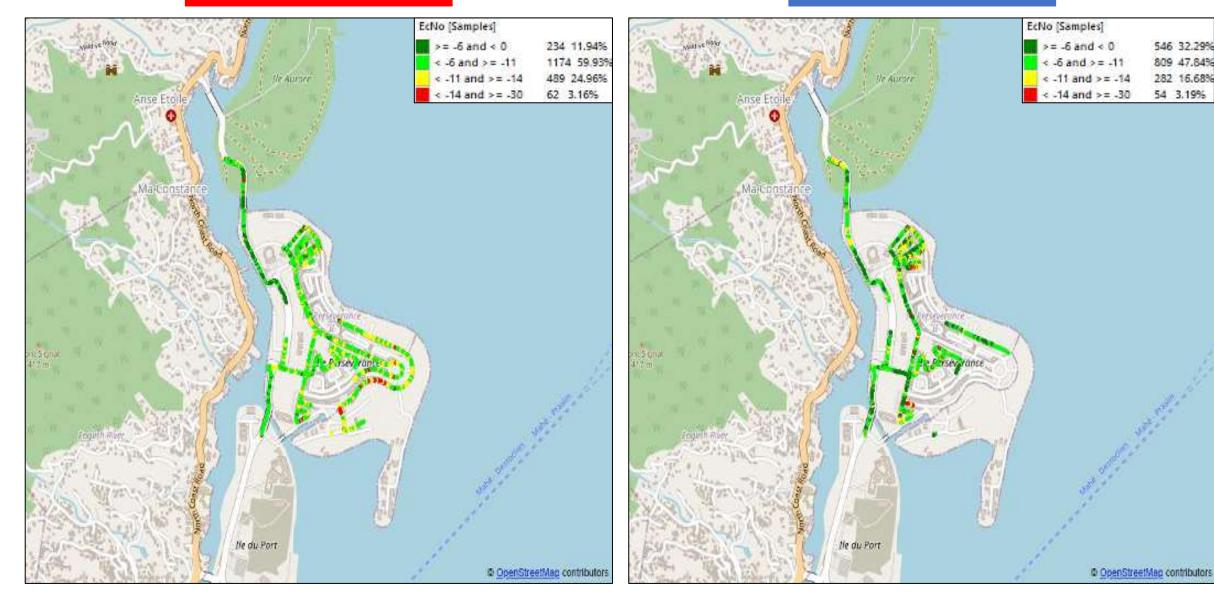
Phase-1 Long Call EC/NO PLOT

CWS LC MO



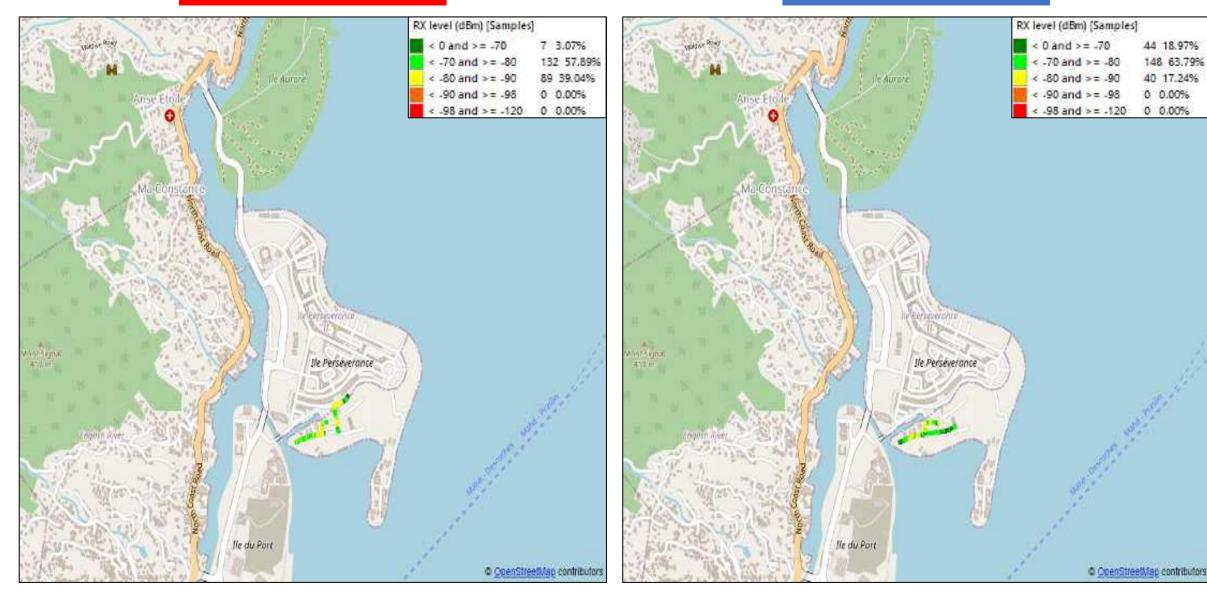
Phase-2 Long Call EC/NO PLOT

CWS LC MO



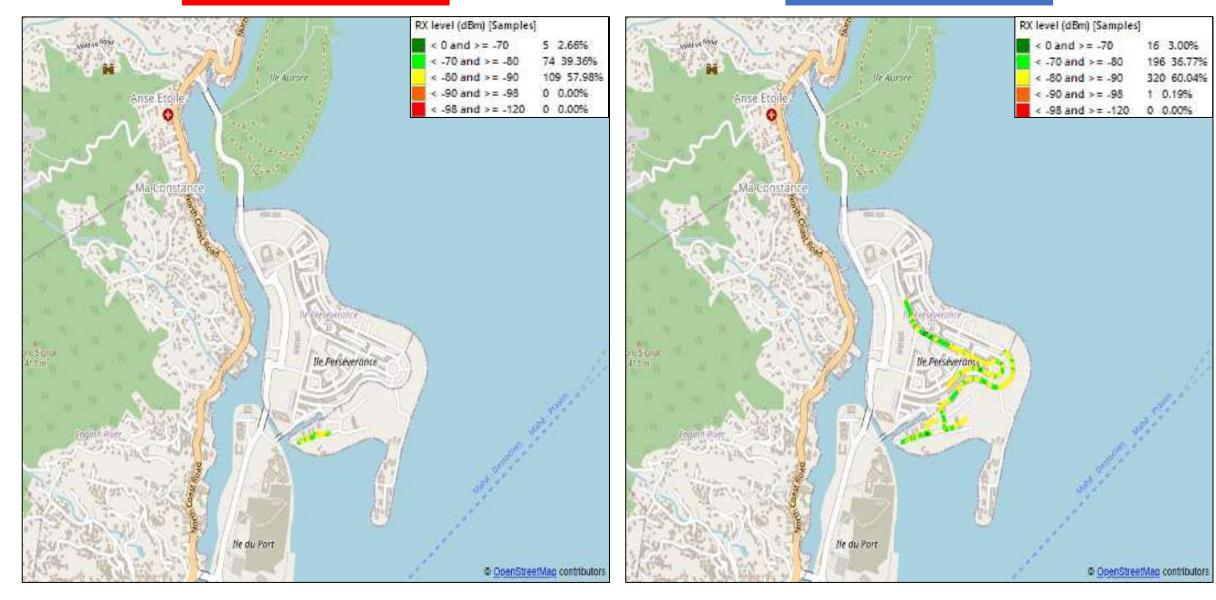
Phase-1 Long Call RX level sub PLOT

CWS LC MO



Phase-2 Long Call RX level sub PLOT

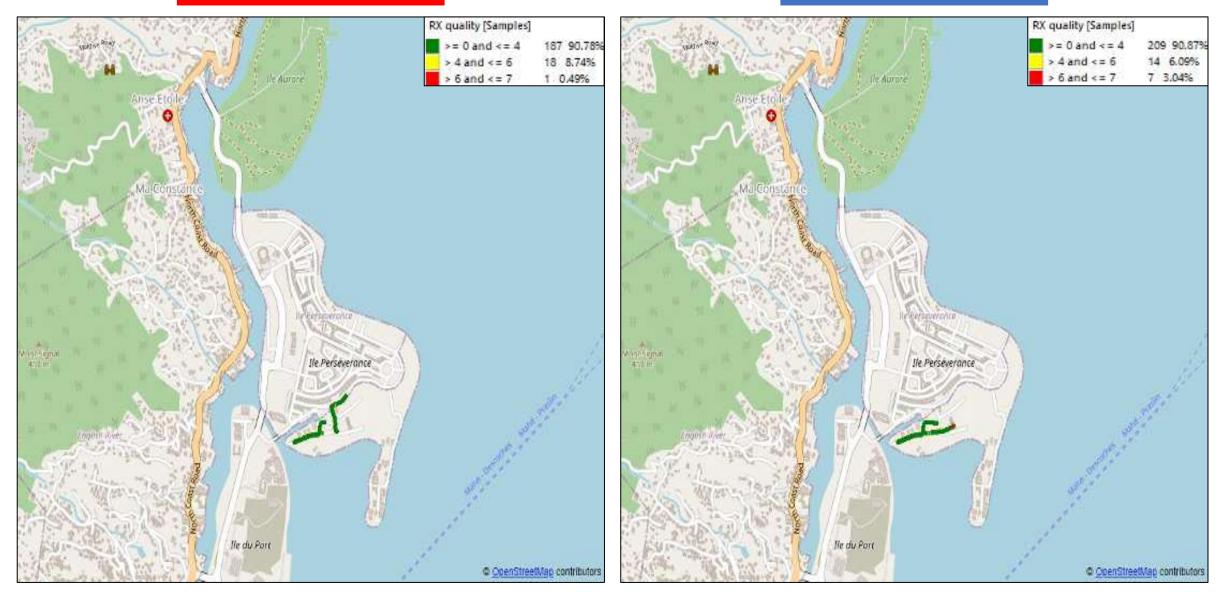
CWS LC MO





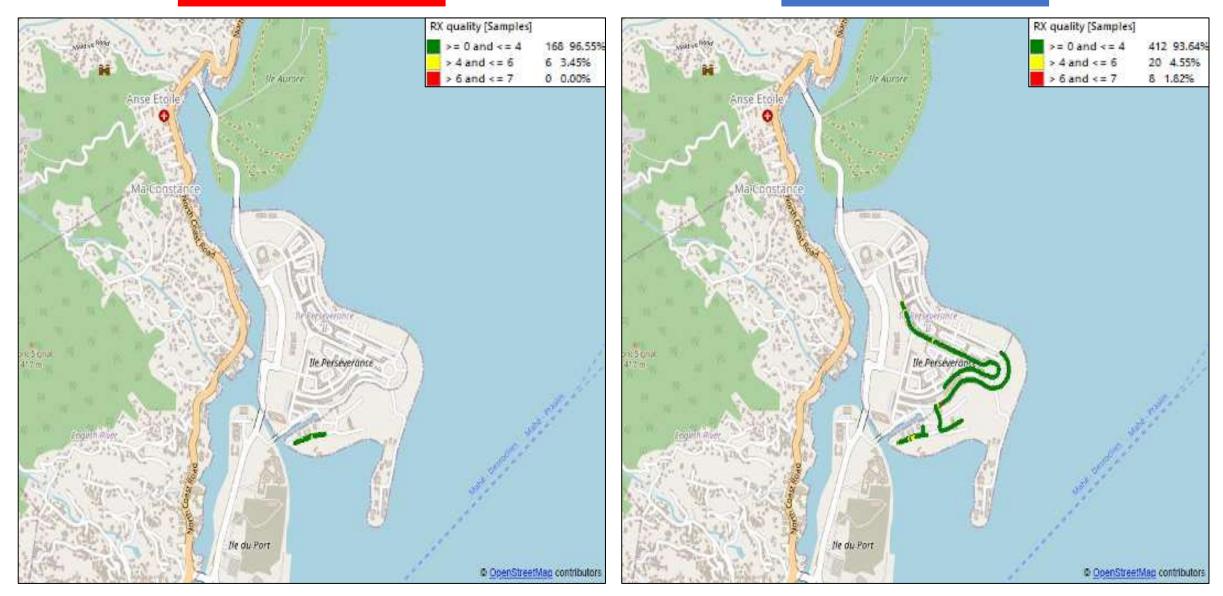
Phase-1 Long Call RX quality sub PLOT

CWS LC MO



Phase-2 Long Call RX quality sub PLOT

CWS LC MO



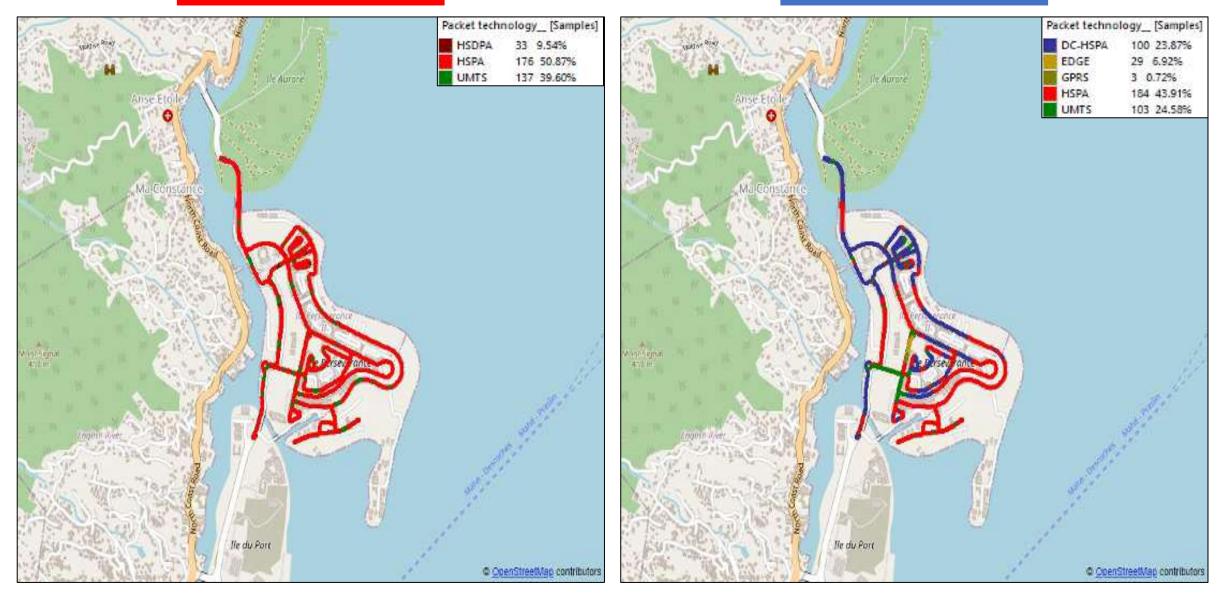


3G PREFERRED DATA DRIVE PLOTS



Phase-1 3G PREFERRED DATA TEST - TECHNOLOGY PLOT

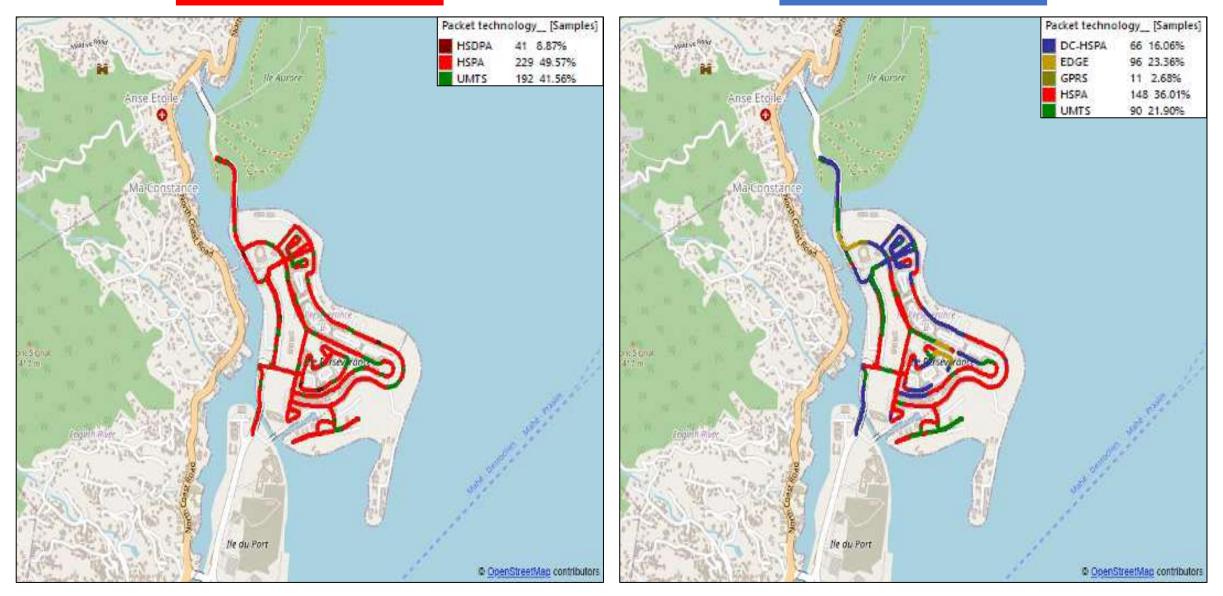
CWS Data 3G





Phase-2 3G PREFERRED DATA TEST - TECHNOLOGY PLOT

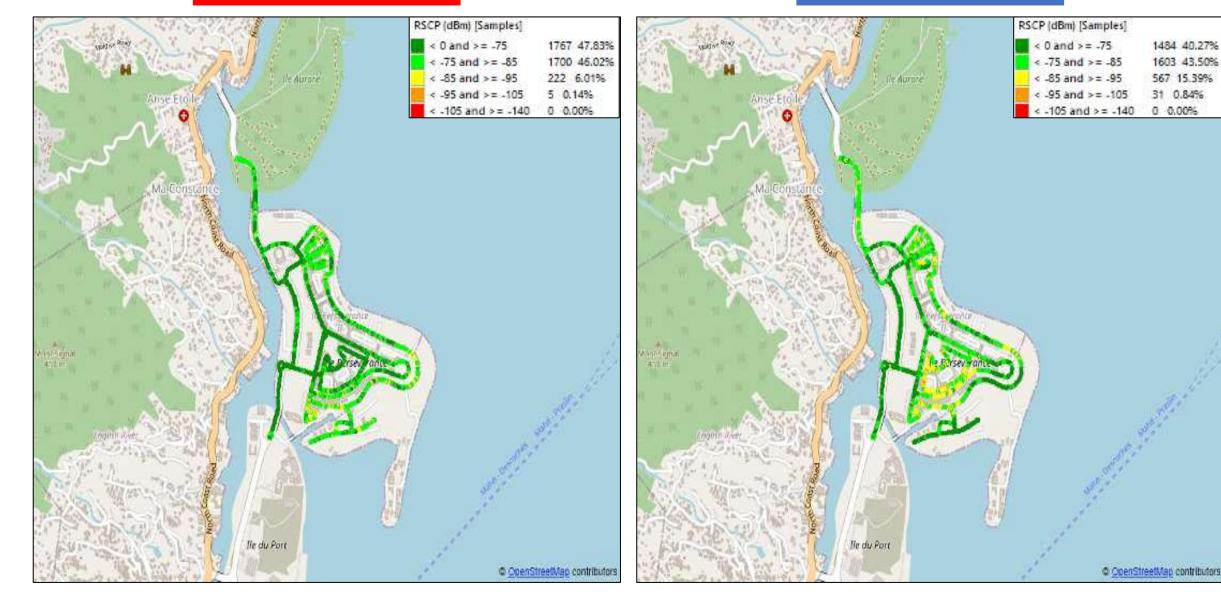
Airtel Data 3G



CWS Data 3G

Phase-1 3G PREFERRED DATA TEST - RSCP PLOT

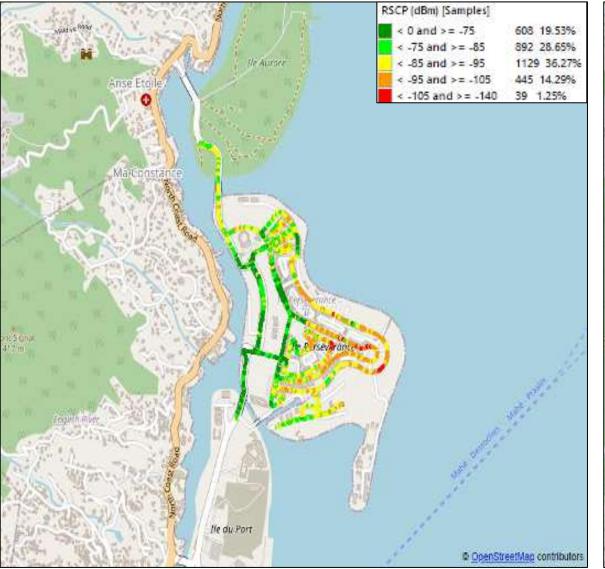
CWS Data 3G

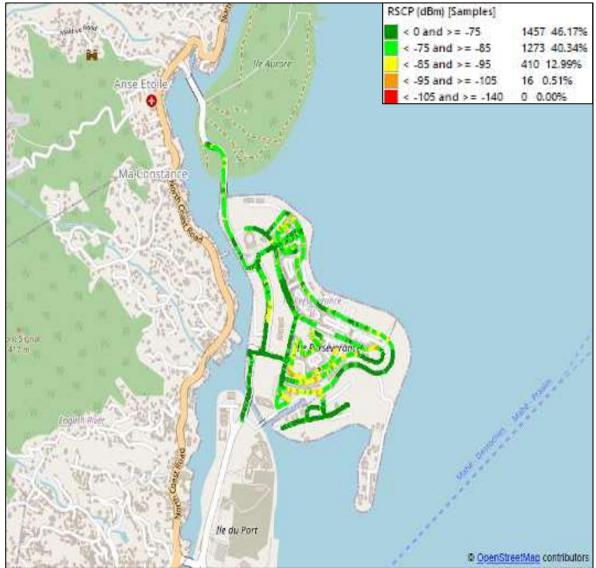


Phase-2 3G PREFERRED DATA TEST - RSCP PLOT

Airtel Data 3G

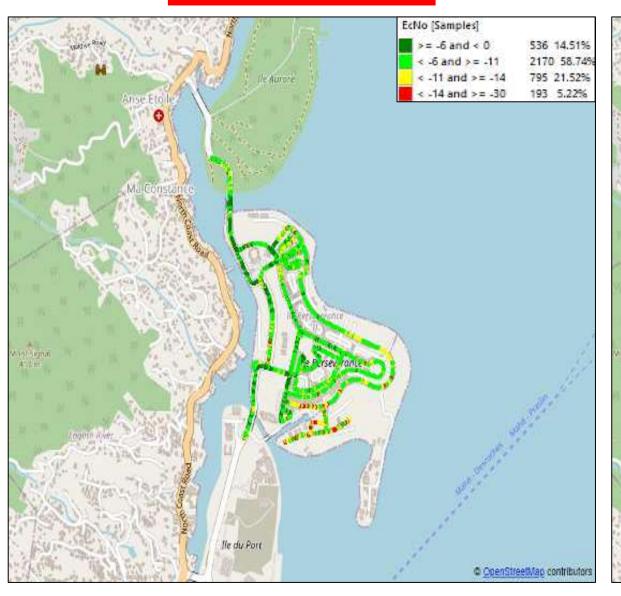
CWS Data 3G





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

Airtel Data 3G

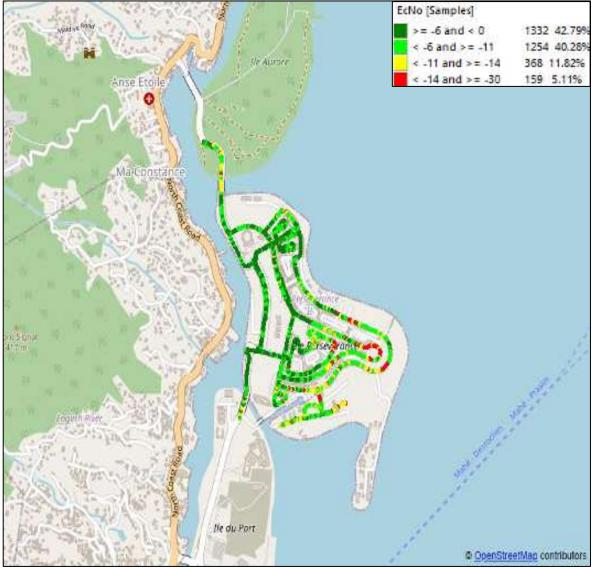


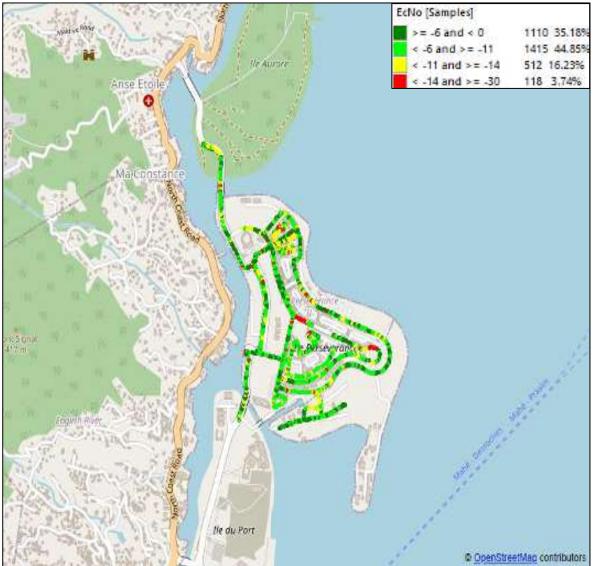
EcNo [Samples] >= -6 and < 0 1145 31.11% add of 1925 52.25% -6 and >= -11 < -11 and >= -14 475 12.89% e Aurore < -14 and >= -30 138 3.75% lle du Port CoenStreetMap contributors

CWS Data 3G

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



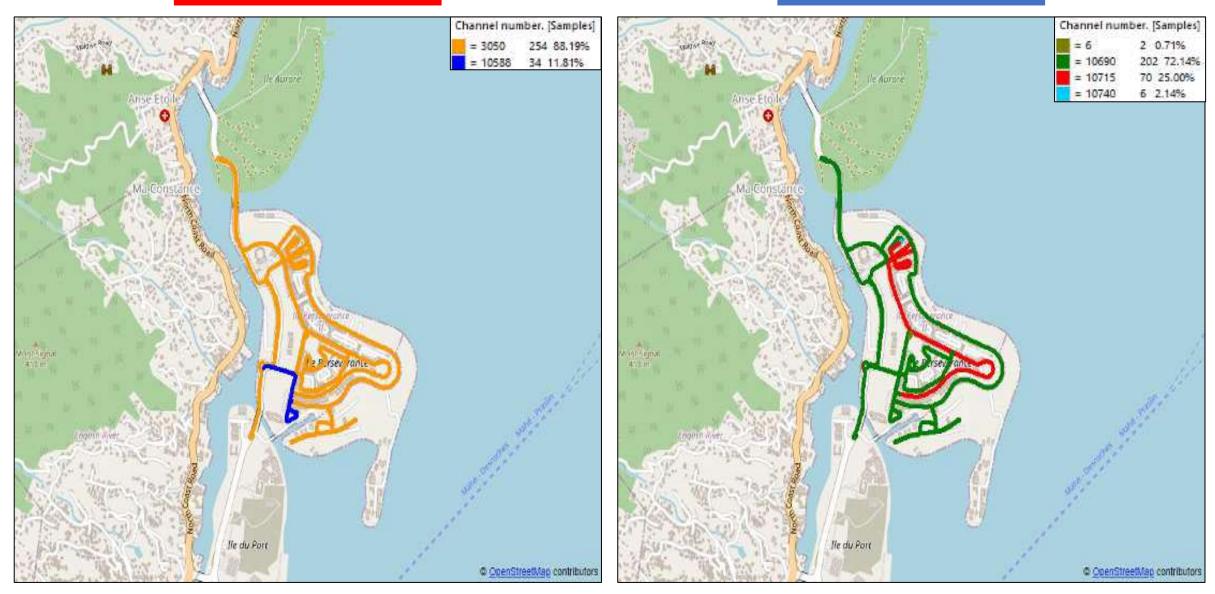






Phase-1 3G PREFERRED DATA TEST - UARFCN PLOT

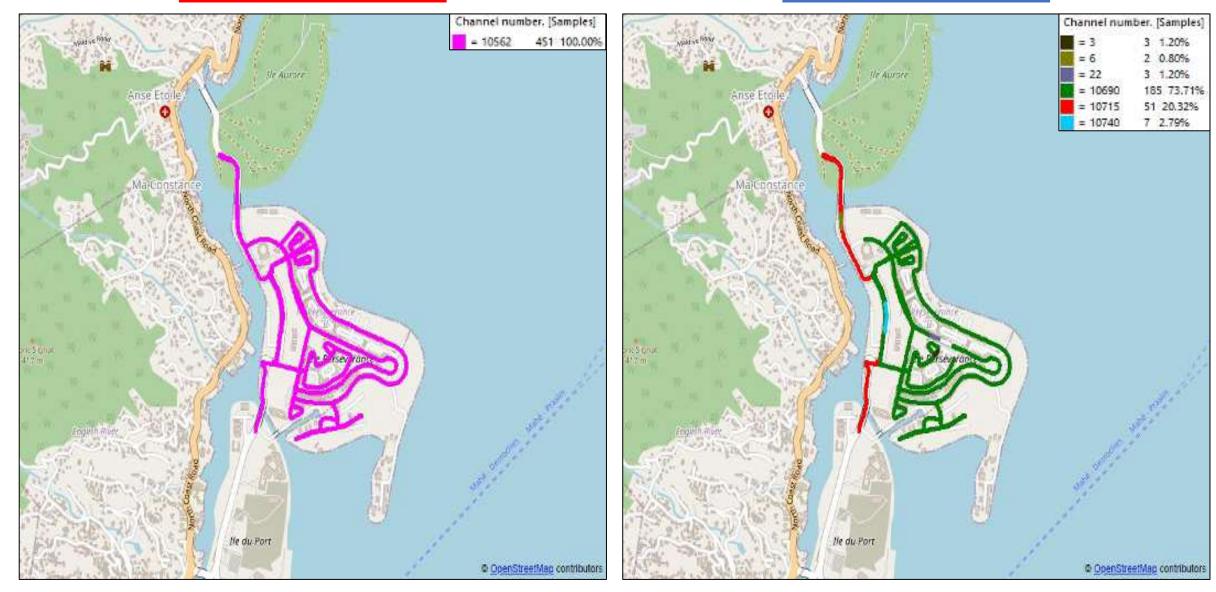
CWS Data 3G





Phase-2 3G PREFERRED DATA TEST - UARFCN PLOT





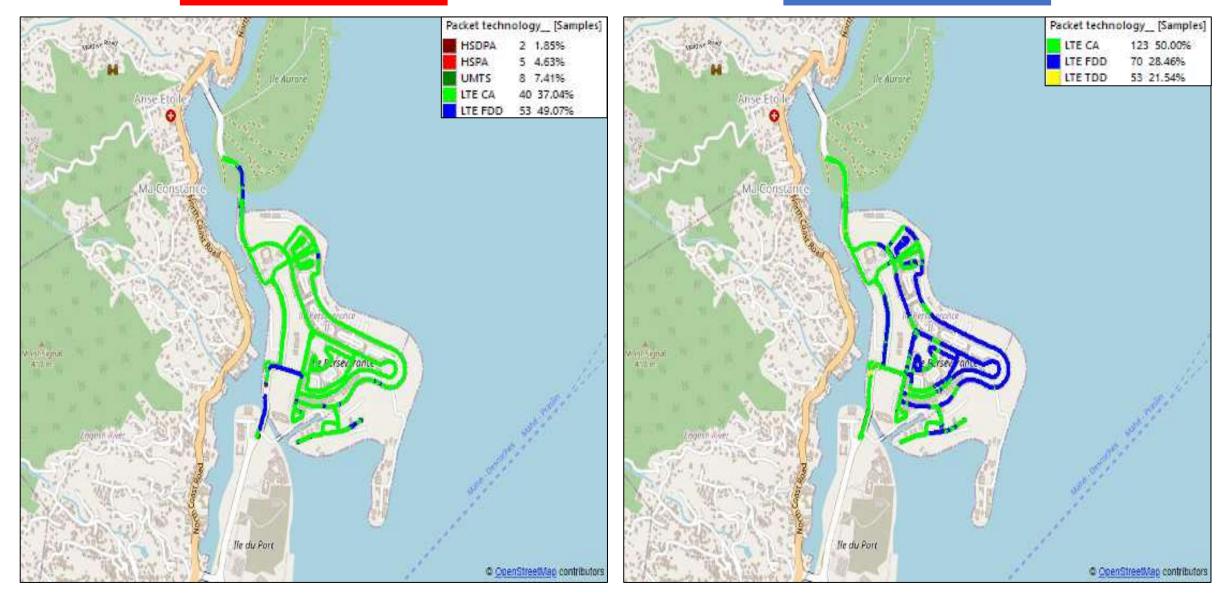


4G PREFERRED DATA DRIVE PLOTS



Phase-1 4G PREFERRED DATA TEST - TECHNOLOGY PLOT

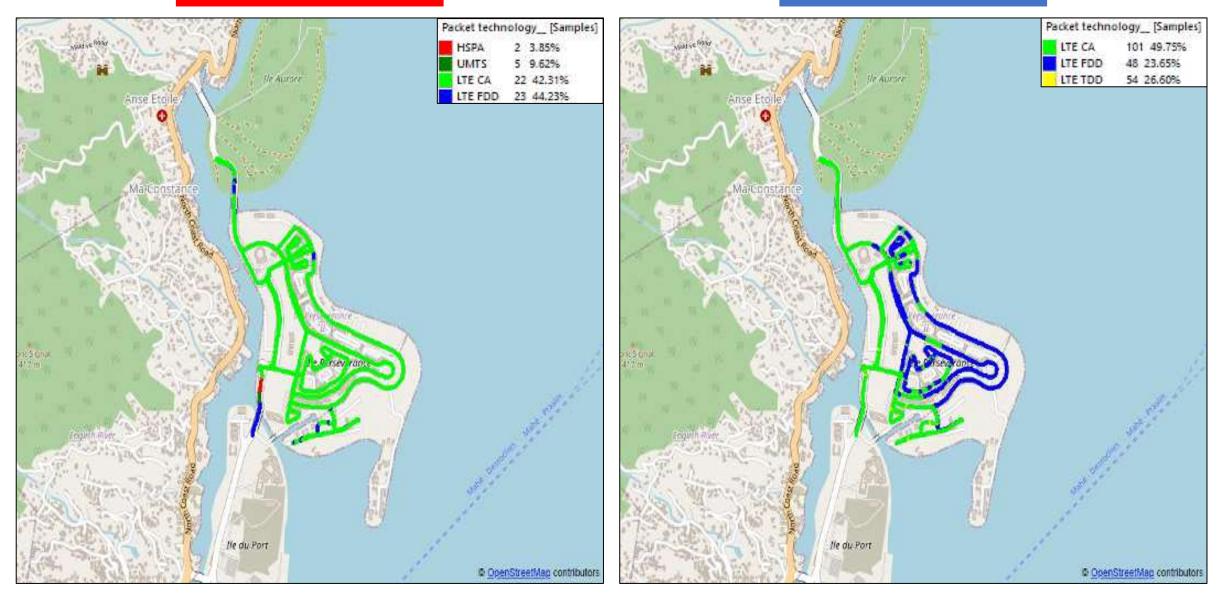
CWS Data 4G





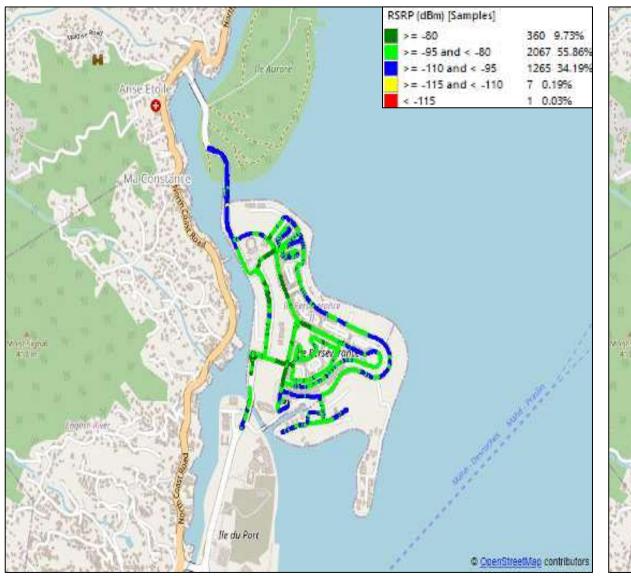
Phase-2 4G PREFERRED DATA TEST - TECHNOLOGY PLOT

CWS Data 4G



Phase-1 4G PREFERRED DATA TEST - RSRP PLOT

Airtel Data 4G



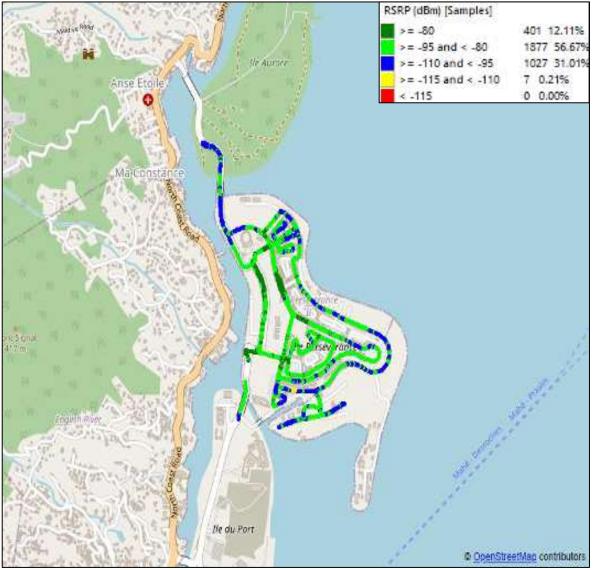
RSRP (dBm) [Samples] >= -80 320 8.62% add of >= -95 and < -80 1888 50.86% >= -110 and < -95 1484 39.98% e Aurore >= -115 and < -110 20 0.54% < -115 0 0.00% lle du Port

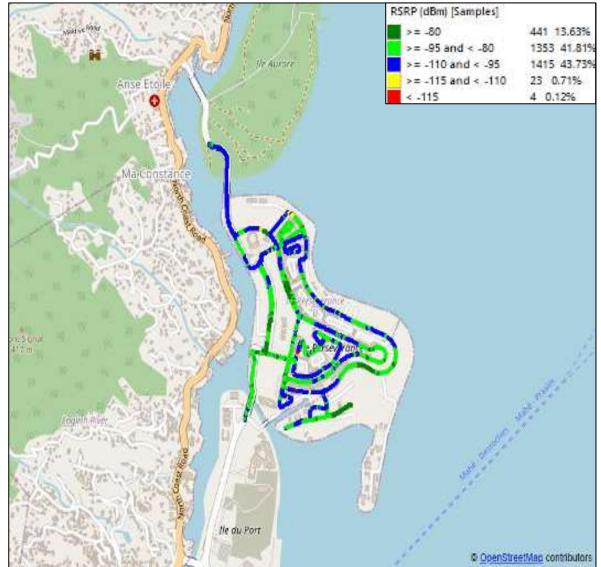
CoenStreetMap contributors

CWS Data 4G

Phase-2 4G PREFERRED DATA TEST - RSRP PLOT

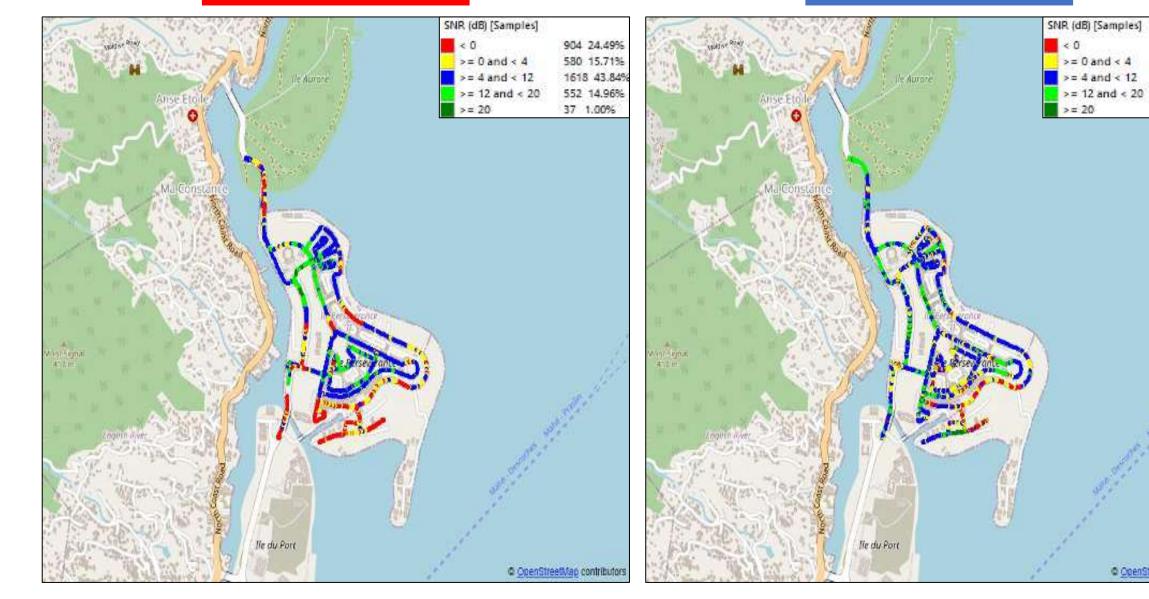






Phase-1 4G PREFERRED DATA TEST - SINR PLOT

Airtel Data 4G



CWS Data 4G

256 6.92%

796 21.53%

1889 51.10%

638 17.26%

118 3.19%

CoenStreetMap contributors

Phase-2 4G PREFERRED DATA TEST - SINR PLOT

Airtel Data 4G



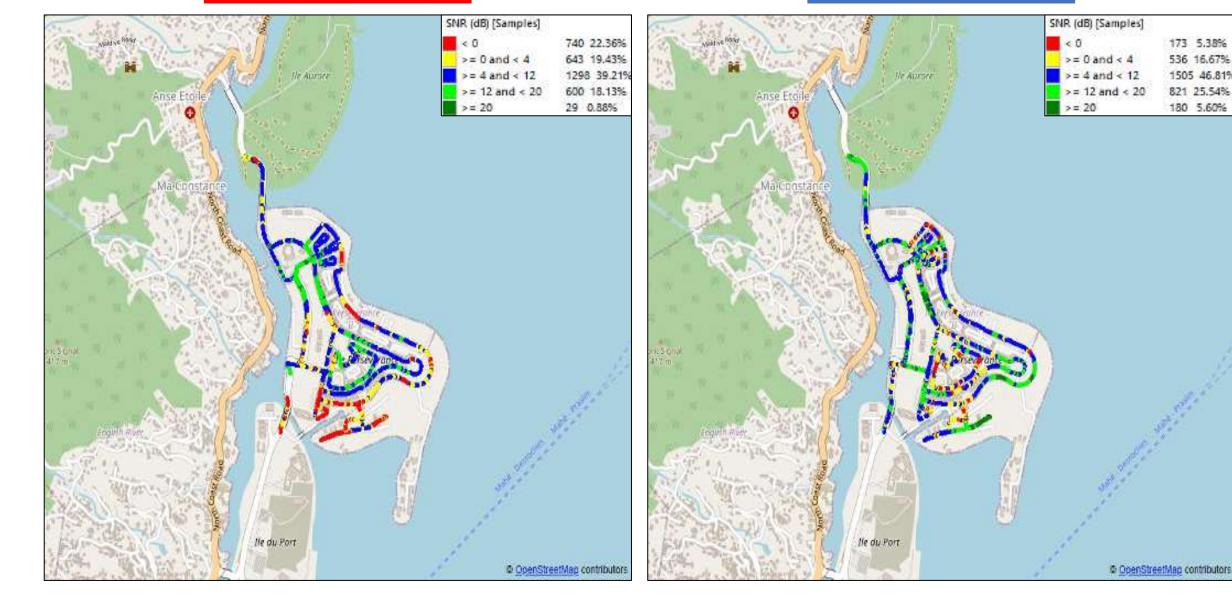
173 5.38%

536 16.67%

1505 46.81%

821 25.54%

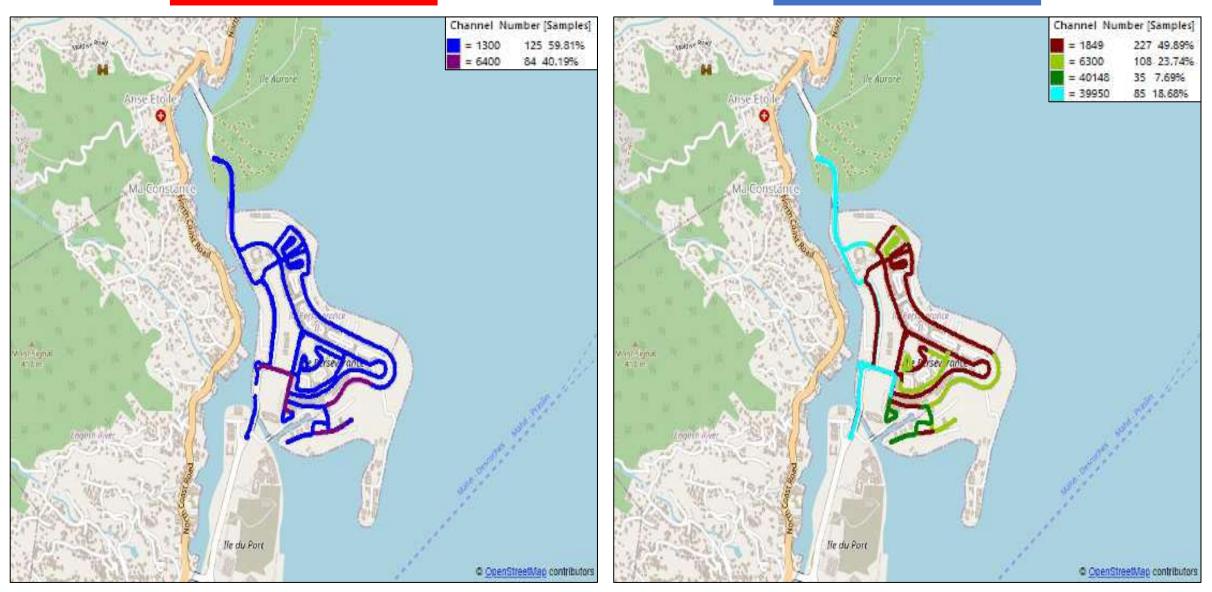
180 5.60%





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

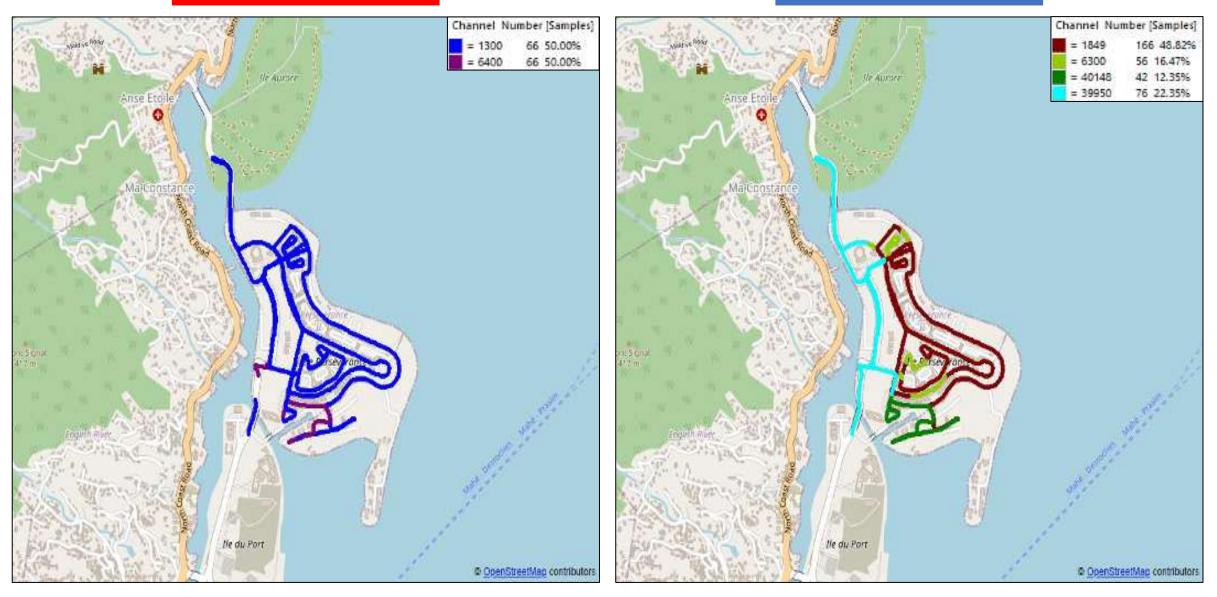
CWS Data 4G





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

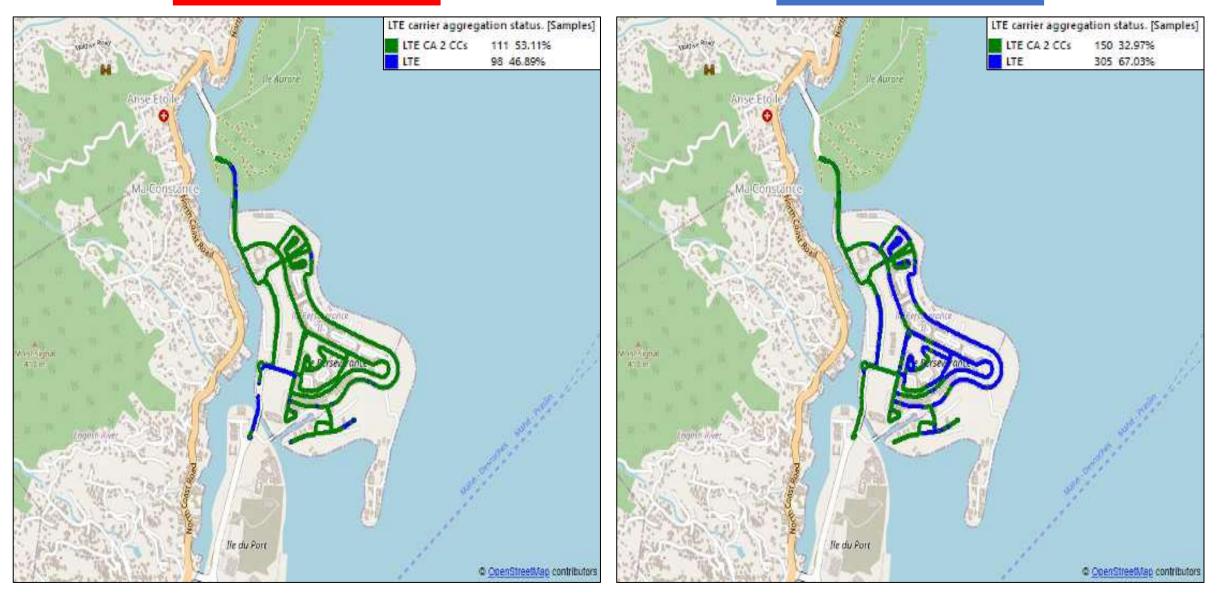
CWS Data 4G





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

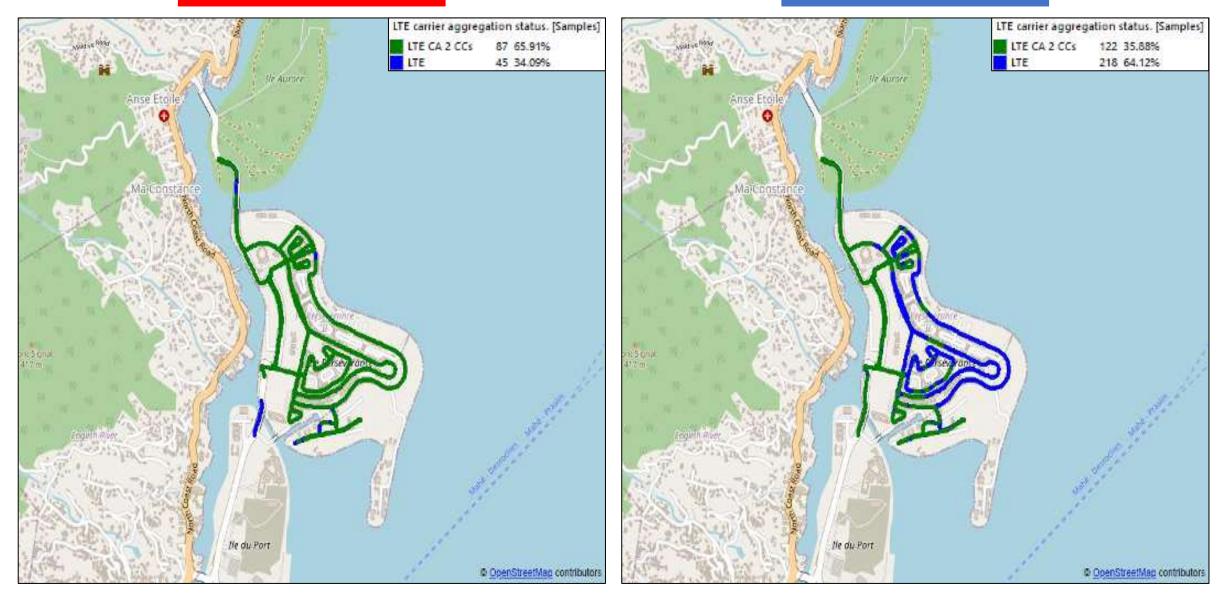
CWS Data 4G





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

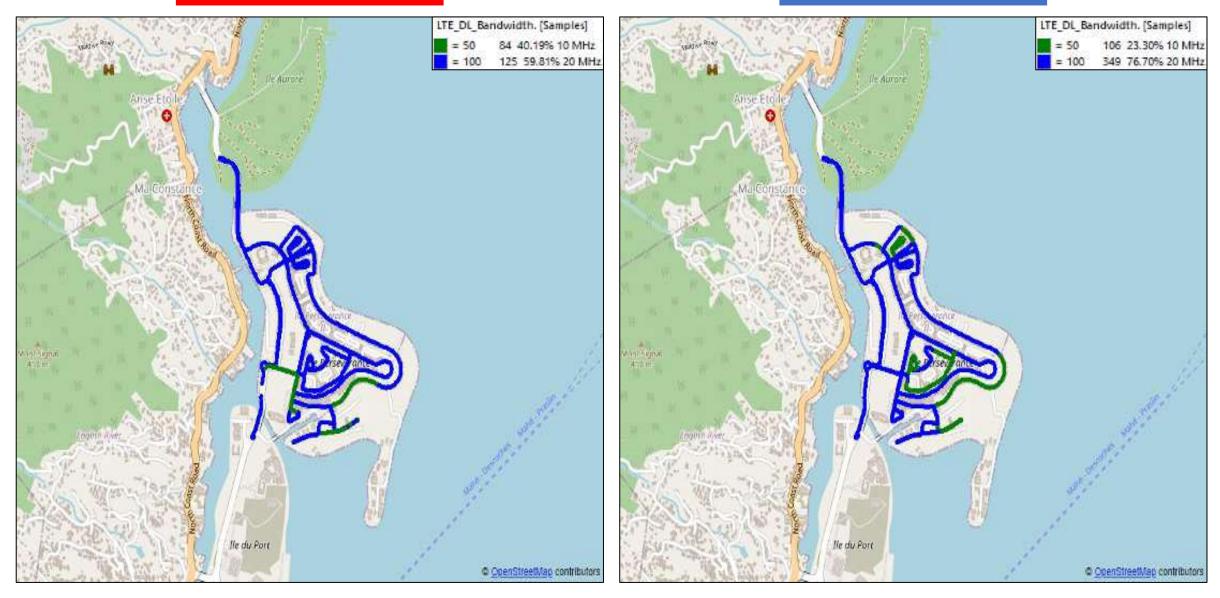
CWS Data 4G





Phase-1 4G PREFERRED DATA TEST – BANDWIDTH PLOT

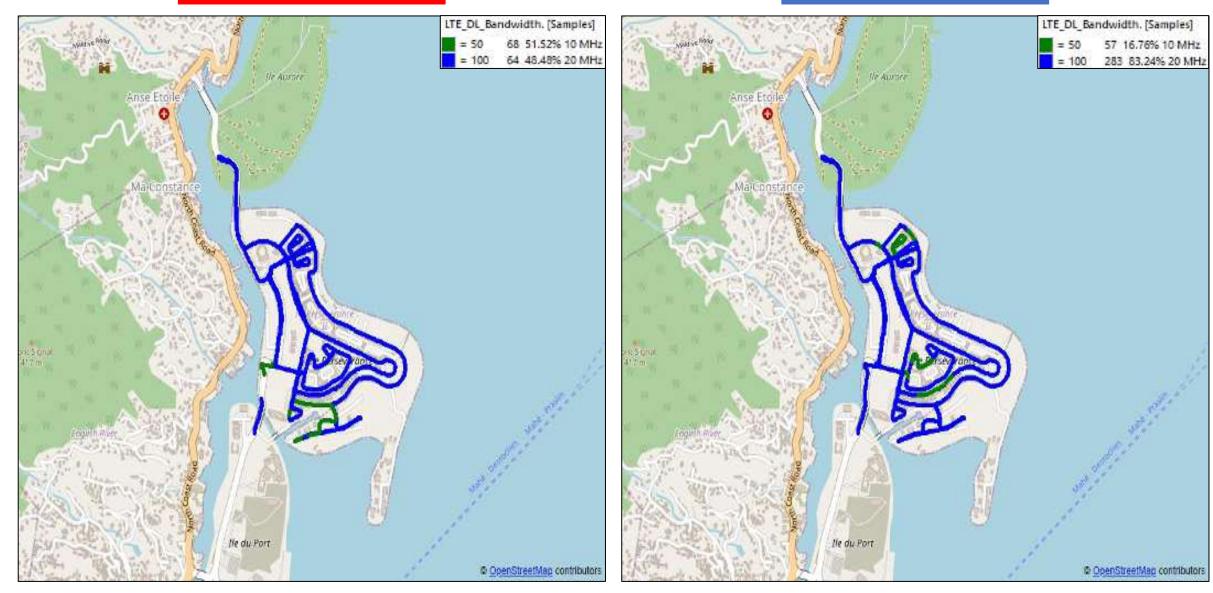
CWS Data 4G





Phase-2 4G PREFERRED DATA TEST – BANDWIDTH PLOT







Negative Event Analysis

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

Call Attempt Failure cause from CWS					
Total Call Attempt Failure	0				

Call Drop cause from Airtel	Count
Total Call Drop	

Call Drop cause from CWS	Count
Total Call Drop	

metra

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

	Time	System	Serving ban	d Call		1. best active RSCP	Time	Ch	SC	1. best ai 🔺		Time	Subchannel	Message name
1.	9:20:29.206	UMTS FDD	900	Drop	2102.		9:20:24.065	3050	79	-8	6676.	9:20:21.964	DCCH	MEASUREMENT_CONTROL
2,	9:21:19.778	GSM	900	Norn	2103.	-78.8	9:20:24.561	3050	79		6677.	9:20:22.594	DCCH	RADIO_BEARER_SETUP
	û.				2104.		9:20:24.561	3050	79	-10	6678.	9:20:22.625	DCCH	MEASUREMENT_REPORT
					2105.	-81.6	9:20:25.320	3050	71		6679.	9:20:22.718	DCCH	MEASUREMENT_REPORT
				1	2106.		9:20:25.320	3050	71	-13.3	6680.	9:20:22.958	DCCH	RADIO_BEARER_SETUP_COMPLETE
					2107.	-79.6	9:20:25.755	3050	71		6681.	9:20:23.139	DCCH	MEASUREMENT_REPORT
					2108.		9:20:25.755	3050	71	-11.8	6682.	9:20:23.245	DCCH	RADIO_BEARER_RECONFIGURATION
					2109,	-80.4	9:20:26.065	3050	79	- diama	6683.	9:20:23.285	DCCH	DOWNLINK_DIRECT_TRANSFER
					2110.		9:20:26.065	3050	79	.9	6684.	9:20:23.285	DCCH	PROGRESS
					2111.	-80.7	9:20:26.565	3050	71		6685.	9:20:23.287	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					2112.		9:20:26.565	3050	71	-11.2	6686.	9:20:23.829	DCCH	MEASUREMENT_REPORT
					2113.	-83.1	9:20:27.388	3050	79		6687,	9:20:27.430	DCCH	MEASUREMENT_REPORT
					2114.		9:20:27.388	3050	79	-14.7	6688.	9:20:27.685	DCCH	ACTIVE_SET_UPDATE
					2115.	-82.8	9:20:27.955	3050	79		6689.	9:20:27.696	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					2116,		9:20:27.955	3050	79	-14.6	6690.	9:20:28.005	DCCH	MEASUREMENT_CONTROL
					2117.	-78	9:20:28.329	3050	71		6691.	9:20:28.045	DCCH	MEASUREMENT_CONTROL
					2118.		9:20:28.329	3050	71	-8.1	6692.	9:20:28.084	DCCH	MEASUREMENT_REPORT
					2119.	-84.8	9:20:28.849	3050	343	-	6693.	9:20:28.485	DCCH	ACTIVE_SET_UPDATE
					2120.		9:20:28.849	3050	343	-16	6694.	9:20:28.516	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					2121.	-82.6	9:20:29.548	3050	79		6695.	9:20:28.805	DCCH	MEASUREMENT_CONTROL
					2122.		9:20:29.548	3050	79	-11.6	6696.	9:20:28.845	DCCH	MEASUREMENT_CONTROL
					2123.	-79	9:21:01.970	3050	79		6697.	9:20:29.205	DCCH	DOWNLINK_DIRECT_TRANSFER
					2124.		9:21:01.970	3050	79	-11.9	6698.	9:20:29.205	DCCH	DISCONNECT
					2125.	-79	9:21:02.693	3050	79	and the state of t	6699.	9:20:29.206	DCCH	UPLINK_DIRECT_TRANSFER
					2126.		9:21:02.693	3050	79	-13.4	6700.	9:20:29.206	DCCH	RELEASE
					2127.	-79	9:21:02.986	3050	79		6701.	9:20:29.405	DCCH	MEASUREMENT_CONTROL
					2128.		9:21:02.986	3050	96	-12	6702.	9:20:29.485	DCCH	DOWNLINK_DIRECT_TRANSFER
					2129.	-79	9:21:03.555	3050	79		6703.	9:20:29.485	DCCH	RELEASE_COMPLETE
					2130,		9:21:03.555	3050	96	-10.5	6704.	9:20:29.506	DCCH	MEASUREMENT_REPORT
					2131.	-79	9:21:03.969	3050	79		6705,	9:20:29.725	DCCH	RRC_CONNECTION_RELEASE
					2132.		9:21:03.969	3050	96	-9.1	6706.	9:20:29.725	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					2133.	-79	9:21:04.530	3050	79		6707.	9:20:29.764	DCCH	RRC_CONNECTION_RELEASE
					2134.		9:21:04.530	3050	96	-11.6	6708.	9:20:29.766	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
					2135.	-78,1	9:21:05.002	3050	96		6709.	9:20:29.805	DCCH	RRC_CONNECTION_RELEASE

Analysis:

- This call failure event occurred on short call at 09:20:29:206 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 343 and RF condition RSCP -84.8 dBm good but Ec/No -16 dB are very poor.
- As per the analysis call failed happened due to poor quality of the network.

metra

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

Time System Serving band Call Time RxLev su	sub ARFCN BSIC LAC RAC I	ub 🔺 Event ID System Transf. dir. Tim	e Subchannel Message name	
1. 9:20:29.206 UMTS FDD 900 Drop 10. 9:19:46.782		6783. RRCSM UMTS FDD Downlink 9:21:02	A white and the second	Analysis:
2. 9:21:19.778 GSM 900 Nom 11. 9:19:47.008 -84	94 48 50000 1	6784. RRCSM UMTS FDD Downlink 9:21:02	CONTRACTOR DE L'ANCIA DE LA CONTRACTÓRIA DE	This call failure event occurred on short
12. 9:19:47.262		6785. RRCSM UMTS FDD Downlink 9:21:02	2.342 DCCH MEASUREMENT_CONTROL	call at 09:21:19:778 time when UE was
13. 9:19:47.532 -84	94 48 50000 1	6786. RRCSM UMTS FDD Downlink 9:21:02	2.382 DCCH DOWNLINK_DIRECT_TRANSFER	latched with 2G network.
14. 9:19:47.968 -82	94 48 50000 1	6787. L3SM UMTS FDD Downlink 9:21:02	2.382 DCCH AUTHENTICATION_REQUEST	latened with 20 network.
15. 9:19:48.222		6788. RRCSM UMTS FDD Uplink 9:21:02	2.433 DCCH MEASUREMENT_REPORT	
16. 9:19:48.529 -86	94 48 50000 1	6789. RRCSM UMTS FDD Uplink 9:21:02	2.511 DCCH UPLINK_DIRECT_TRANSFER	After sending "CM Service Request"
17. 9:19:48.702		6790. L3SM UMTS FDD Uplink 9:21:02	2.511 DCCH AUTHENTICATION_RESPONSE	message to core network, then core
18. 9:19:49.136		6791. RRCSM UMTS FDD Downlink 9:21:02	2.602 DCCH SECURITY_MODE_COMMAND	network responds with "Call Proceeding "
19. 9:19:49.182		6792. RRCSM UMTS FDD Uplink 9:21:02	2.603 DCCH SECURITY_MODE_COMPLETE	message. After that call setup has been
20. 9:19:49.288 -87	94 48 50000 1	6793. RRCSM UMTS FDD Uplink 9:21:02	2.606 DCCH MEASUREMENT_REPORT	failed.
21. 9:19:49.731		6794. RRCSM UMTS FDD Uplink 9:21:02	2.683 DCCH MEASUREMENT_REPORT	
22. 9:21:14.682 -72	110 57 60000 1	6795. RRCSM UMTS FDD Uplink 9:21:02	2.693 DCCH UPLINK_DIRECT_TRANSFER	• During the session UE was latched with
23. 9:21:14.682		6796, L3SM UMTS FDD Uplink 9:21:02	2.693 DCCH SETUP	ARFCN 110 and RF condition Rx lev -80
24. 9:21:15.596 -74	110 57 60000 1	6797. RRCSM UMTS FDD Downlink 9:21:02	2.702 DCCH DOWNLINK_DIRECT_TRANSFER	dBm is good and Rx qual 0 dB was very
25. 9:21:15.642		6798. L3SM UMTS FDD Downlink 9:21:02	2.702 DCCH IDENTITY_REQUEST	good.
26. 9:21:16.122 -78	110 57 50000 1	6799. RRCSM UMTS FDD Uplink 9:21:02	2.703 DCCH UPLINK_DIRECT_TRANSFER	good.
27. 9:21:16.122		6800, L3SM UMTS FDD Uplink 9:21:02	2.703 DCCH IDENTITY_RESPONSE	
28. 9:21:16.602 -79	110 57 50000 1	6801. RRCSM UMTS FDD Downlink 9:21:02	2.722 DCCH ACTIVE_SET_UPDATE	• As per the Analysis the call setup failure
29. 9:21:16.602		6802. RRCSM UMTS FDD Uplink 9:21:02	2.734 DCCH ACTIVE_SET_UPDATE_COMPLETE	event occurred due to poor quality in the
30. 9:21:17.188 -83	110 57 50000 1	6803. RRCSM UMTS FDD Downlink 9:21:02	2.862 DCCH MEASUREMENT_CONTROL	network.
31. 9.21:17.562		6804. RRCSM UMTS FDD Downlink 9:21:02	2.872 DCCH MEASUREMENT_CONTROL	
32. 9:21:17.650 -82	110 57 50000 1	6805. RRCSM UMTS FDD Downlink 9:21:02	2.882 DCCH DOWNLINK_DIRECT_TRANSFER	
33, 9:21:18.042		6806: L3SM UMTS FDD Downlink 9:21:02	2.882 DCCH CALL_PROCEEDING	
34. 9:21:18.476 -81	110 57 50000 1	6807. RRCSM UMTS FDD Uplink 9:21:03	3.417 DCCH MEASUREMENT_REPORT	
35, 9:21:18.725 -80	110 57 50000 1	6808. RRCSM UMTS FDD Uplink 9:21:03	3.533 DCCH MEASUREMENT_REPORT	
36. 9:21:19.482	50000 1	6809. RRCSM UMTS FDD Uplink 9:21:03	3.636 DCCH MEASUREMENT_REPORT	
37. 9.21:19.482			7.276 DCCH MEASUREMENT_REPORT	
38. 9:21:19.916		6811. RRCSM UMTS FDD Downlink 9:21:07	where the second s	
39. 9:21:19.948 -82	110 57 50000 1	6812. RRCSM UMTS FDD Uplink 9:21:07	7.404 DCCH ACTIVE_SET_UPDATE_COMPLETE	
40. 9:22:00.042		6813. RRCSM UMTS FDD Downlink 9:21:07	7.522 DCCH MEASUREMENT_CONTROL	
41. 9:22:00.529 -73	117 17 50000 1	6814. RRCSM UMTS FDD Uplink 9:21:07	7.586 DCCH MEASUREMENT_REPORT	
42. 9:22:01.006 -77	117 17 50000 1	6815. RRCSM UMTS FDD Uplink 9:21:07	7.807 DCCH MEASUREMENT_REPORT	
43. 9:22:01.530 -79	117 17 50000 1	6816. RRCSM UMTS FDD Uplink 9:21:00	3.258 DCCH MEASUREMENT_REPORT	
44. 9:22:02.008 -81	117 17 50000 1	6817. RRCSM UMTS FDD Downlink 9:21:08	3.372 DCCH ACTIVE_SET_UPDATE	
45. 9:22:02.543 -86	117 17 50000 1	6818. RRCSM UMTS FDD Uplink 9:21:08	3.394 DCCH ACTIVE_SET_UPDATE_COMPLETE	

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				
Total Call Drop	0			

Call Drop cause from CWS	Count
Total Call Drop	0



THANKS