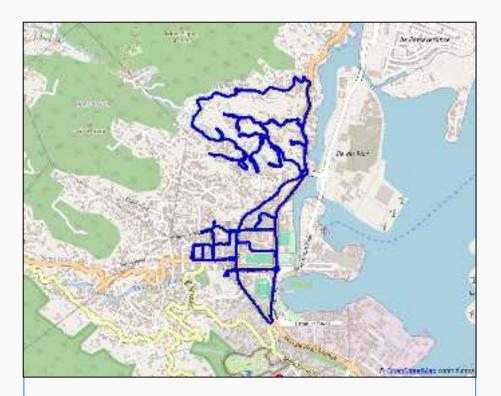




DRIVE TEST ROUTE

Phase-1 Dates- 07th Oct 2024



Route Name: Mahe

District Name: English River

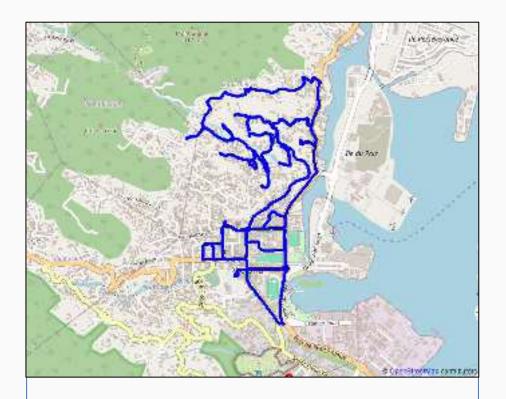
Region: Central

Island: Mahé

Drive Test Distance: 17.22 kms

Drive Test Duration: 01 hours,15 minutes,56 seconds

Phase-2 Dates- 18th Oct 2024



Route Name: Mahe

District Name: English River

Region: Central

Island: Mahé

Drive Test Distance: 17.47 kms

Drive Test Duration: 01 hours,38 minutes,32 seconds



VOICE EXECUTIVE SUMMARY

Phase-1

Short Call Findings:

- The Call Setup Success Rate for Airtel is (97.96%), while for Operator CWS it is (94.79%).
- (7.00s)

Long Call Findings:

- The Call Retainability for Airtel is (96.00%), while for CWS it is (92.31%).
- The MOS quality observed for Airtel is (3.10), and for CWS, it is (3.49).

Phase-2

Short Call Findings:

- The Call Setup Success Rate for Airtel is (98.43%), while for Operator CWS it is (98.37%).
- The Call Setup Time for Airtel is (6.41s), while for Operator CWS it is The Call Setup Time for Airtel is (6.46s), while for Operator CWS it is (7.52s)

Long Call Findings:

- The Call Retainability for Airtel is (96.88%), while for CWS it is (100.00%).
- The MOS quality observed for Airtel is (3.20), and for CWS, it is (3.50).



4G PREFERRED DATA TEST – EXECUTIVE SUMMARY

Phase-1

4G Preferred Data Findings:

- Airtel SFTP DL is (11.63 Mbps), while SFTP UL is (5.22 Mbps), CWS SFTP DL is (4.28 Mbps), while
 SFTP UL is (2.66 Mbps)
- Airtel HTTP DL is (16.03 Mbps), HTTP Capacity DL is (20.42 Mbps), HTTP UL is (7.63 Mbps), and
 HTTP Capacity UL is (12.59 Mbps).
- CWS HTTP DL is (6.20 Mbps), HTTP Capacity DL is (22.29 Mbps), HTTP UL is (4.26 Mbps), and HTTP Capacity UL is (13.79 Mbps).
- On live web page testing for browsing, <u>www.shein.com</u> took (7.38s), <u>www.nbs.gov.sc</u> took
 (21.21s), and www.sbc.sc took (23.86s) on Airtel.
- On live web page testing for browsing, <u>www.shein.com</u> took (14.31s), <u>www.nbs.gov.sc</u> took
 (17.05s), and <u>www.sbc.sc</u> took (24.91s) on CWS.
- On static browsing, Kepler Webpage took (4.67s), and Kepler Mobile took (2.80s) on Airtel.
- On static browsing, Kepler Webpage took (7.24s), and Kepler Mobile took (2.65s) on CWS.
- YouTube average resolution in Airtel is (1047.98) pixels.
- YouTube average resolution in CWS is (852.85) pixels.
- Airtel scored 53.73% in Carrier Aggregation (CA).
- CWS scored 28.53% in Carrier Aggregation (CA).

Phase-2

4G Preferred Data Findings:

- Airtel SFTP DL is (8.53 Mbps), while SFTP UL is (5.20 Mbps), CWS SFTP DL is (6.45 Mbps), while
 SFTP UL is (3.59 Mbps)
- Airtel HTTP DL is (11.59 Mbps), HTTP Capacity DL is (22.41 Mbps), HTTP UL is (9.01 Mbps), and
 HTTP Capacity UL is (15.67 Mbps).
- CWS HTTP DL is (7.66 Mbps), HTTP Capacity DL is (19.24 Mbps), HTTP UL is (6.80 Mbps), and
 HTTP Capacity UL is (17.01 Mbps).
- On live web page testing for browsing, <u>www.shein.com</u> took (7.16s), <u>www.nbs.gov.sc</u> took
 (19.88s), and <u>www.sbc.sc</u> took (22.90s) on Airtel.
- On live web page testing for browsing, www.shein.com took (5.65s), www.nbs.gov.sc took (17.98s), and www.sbc.sc took (21.51s) on CWS.
- On static browsing, Kepler Webpage took (4.78s), and Kepler Mobile took (1.78s) on Airtel.
- On static browsing, Kepler Webpage took (4.88s), and Kepler Mobile took (3.04s) on CWS.
- YouTube average resolution in Airtel is (1080.00) pixels.
- YouTube average resolution in CWS is (1080.00) pixels.
- Airtel scored 52.27% in Carrier Aggregation (CA).
- CWS scored 32.64% in Carrier Aggregation (CA).



3G PREFERRED DATA TEST - EXECUTIVE SUMMARY

Phase-1

3G Preferred Data Test Findings:

- Airtel SFTP DL is (4.07 Mbps), while SFTP UL is (1.35 Mbps), CWS SFTP DL is (3.71 Mbps), while
 SFTP UL is (0.93 Mbps)
- Airtel HTTP DL is (3.82 Mbps), HTTP Capacity DL is (3.63 Mbps), HTTP UL is (2.05 Mbps), and HTTP
 Capacity UL is (4.71 Mbps).
- CWS HTTP DL is (3.28 Mbps), HTTP Capacity DL is (7.73 Mbps), HTTP UL is (1.58 Mbps), and HTTP
 Capacity UL is (8.23 Mbps).
- On live web page testing for browsing, <u>www.shein.com</u> took (12.54s), <u>www.nbs.gov.sc</u> took
 (13.90s), and <u>www.sbc.sc</u> took (17.78s) on Airtel.
- On live web page testing for browsing, <u>www.shein.com</u> took (11.05s), <u>www.nbs.gov.sc</u> took
 (10.72s), and <u>www.sbc.sc</u> took (15.81s) on CWS.
- On static browsing, Kepler Webpage took (4.59s), and Kepler Mobile took (2.16s) on Airtel.
- On static browsing, Kepler Webpage took (6.49s), and Kepler Mobile took (2.54s) on CWS.
- YouTube average resolution in Airtel is (857.77) pixels.
- YouTube average resolution in CWS is (935.29) pixels.

Phase-2

3G Preferred Data Test Findings:

- Airtel SFTP DL is (3.36 Mbps), while SFTP UL is (1.45 Mbps), CWS SFTP DL is (3.34 Mbps), while SFTP UL is (0.92 Mbps)
- Airtel HTTP DL is (4.18 Mbps), HTTP Capacity DL is (4.38 Mbps), HTTP UL is (2.22 Mbps), and HTTP
 Capacity UL is (4.95Mbps).
- CWS HTTP DL is (2.98 Mbps), HTTP Capacity DL is (7.39 Mbps), HTTP UL is (1.40 Mbps), and HTTP
 Capacity UL is (3.49 Mbps).
- On live web page testing for browsing, www.shein.com took (11.50s), www.nbs.gov.sc took (11.87s), and www.sbc.sc took (19.40s) on Airtel.
- On live web page testing for browsing, <u>www.shein.com</u> took (11.47s), <u>www.nbs.gov.sc</u> took
 (9.31s), and <u>www.sbc.sc</u> took (14.09s) on CWS.
- On static browsing, Kepler Webpage took (5.15s), and Kepler Mobile took (1.81s) on Airtel.
- On static browsing, Kepler Webpage took (7.95s), and Kepler Mobile took (4.21s) on CWS.
- YouTube average resolution in Airtel is (864.02) pixels.
- YouTube average resolution in CWS is (1038.60) 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
		n. ICMP PAYLOAD PING 800 BYTES	133387 131 13131133
1	FILE TRANSFER DOWNLOAD	FTP DL (3MB)	FTP DL (5MB)
T		, ,	, ,
	135s	wait 10s	wait 10s
2	FILE TRANSFER UPLOAD	FTP UL (1MB)	FTP UL (3MB)
	135s	wait 10s	wait 10s
3	FILE TRANSFER DOWNLOAD	HTTP Get (3MB)	HTTP Get (5MB)
	135s	wait 10s	wait 10s
4	FILE TRANSFER UPLOAD	HTTP Put (1MB)	HTTP Put (3MB)
	135s	wait 10s	wait 10s
5	ICMP PING 32 BYTES	Ping (32 bytes) *5	Ping (32 bytes) *5
		wait 10s	wait 10s
6	YOUTUBE STREAMING	Video: YouTube 60sec	Video: YouTube 60sec
	95 seconds	wait 10s	wait 10s
7	KEPLER WEB BROWSING	HTTPS Browsing: Kepler	HTTPS Browsing: Kepler
	45s	wait 10s	wait 10s
8	LIVE WEB BROWSING	www.shein.com, www.nbs.gov.sc, www.sbc.sc	www.shein.com, www.nbs.gov.sc, www.sbc.sc
	45s	wait 10s	wait 10s
9	KEPLER MOBILE WEB BROWSING	HTTPS Browsing: Kepler Mobile	HTTPS Browsing: Kepler Mobile
	45s	wait 10s	wait 10s
10	ICMP PING 32 BYTES	Ping (32 bytes) 5 www.google.com	Ping (32 bytes) 5 www.google.com
		wait 10s	wait 10s
11	FILE TRANSFER-CAPACITY DOWNLOAD	HTTP Get (500MB) Multiple files	HTTP Get (500MB) Multiple files
	10s fixed duration	wait 10s	wait 10s
12	FILE TRANSFER-CAPACITY UPLOAD	HTTP Put (500MB)-Multiple Files	HTTP Put (500MB)-Multiple Files
	10s fixed duration	wait 10s	wait 10s



VOICE TEST KPI STATISTICS (Short Call)

Phase-1

Short Call Statistics							
Short Call Scenario	Operator 1	Operator 2					
Voice KPIs	Airtel	cws					
Call Attempt	98	96					
Call Failed	2	5					
Call Connected	96	91					
CSSR[%]	97.96	94.79					
USCSR[%]	2.04	5.21					
CST [s] Alerting	6.41	7.00					
CST [s]Connected	6.67	7.17					

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

Short Call Statistics							
Short Call Scenario	Operator 1	Operator 2					
Voice KPIs	Airtel	cws					
Call Attempt	127	123					
Call Failed	2	2					
Call Connected	125	121					
CSSR[%]	98.43	98.37					
USCSR[%]	1.57	1.63					
CST [s] Alerting	6.46	7.52					
CST [s]Connected	6.71	7.71					

Call Setup Time (s)		ators	Rank		
		cws	Airtel	cws	
Overall CST (until ringing/alerting)	6.41	7.00	1	2	
CS calls CST (until ringing/alerting)	8.21	N/A	1	N/A	
CSFB calls CST (until ringing/alerting)	6.31	7.00	1	2	
Overall CST (until Connect/Connect Acknowledge)	6.67	7.17	1	2	
CS calls CST (until Connect/Connect Acknowledge)	8.44	N/A	1	N/A	
CSFB calls CST (until Connect/Connect Acknowledge)	6.57	7.17	1	2	

Call Setup Time (s)		ators	Rank		
		cws	Airtel	cws	
Overall CST (until ringing/alerting)	6.46	7.52	1	2	
CS calls CST (until ringing/alerting)	7.08	N/A	1	N/A	
CSFB calls CST (until ringing/alerting)		7.52	1	2	
Overall CST (until Connect/Connect Acknowledge)	6.71	7.71	1	2	
CS calls CST (until Connect/Connect Acknowledge)	7.35	N/A	1	N/A	
CSFB calls CST (until Connect/Connect Acknowledge)	6.68	7.71	1	2	



VOICE TEST KPI STATISTICS (Long Call)

Phase-1

Phase-2

CS Calls

Long Call Statistics						
Long Call Sce	Operator 1		Operator 2			
Voice KP	Is	Airtel			cws	
Call Connec	cted	25			26	
Call Dropp	ed	1			2	
Call Comple	eted	24			24	
CRR[%]	CRR[%] 96				92.31	
DCR[%]	DCR[%]		4.00		7.69	
MOS	MOS		3.10		3.49	
	Airtel short call	CWS short call		long	CWS long call	
CSFB Calls	93	95	2	5	26	
CS Calls	5	1 0)	0	
Handover Statistics			Airtel MO		CWS MO	
Hando	Handover Attempt			3	87	
Hande	over Failure		C)	1	
Hando	ver Success		6	3	86	
H	IOSR %		100.00 98.8		98.85	

Long Call Statistics							
Long Call Scenario		Operato	or 1	Operator 2			
Voice KF	Pls	Airte	ı	cws			
Call Conne	cted	32			32		
Call Drop	ped	1		0			
Call Compl	eted	31		32			
CRR[%	CRR[%]		96.88		100.00		
DCR[%	DCR[%]		3.13		0.00		
MOS		3.20			3.50		
	Airtel short call	CWS short call			CWS long call		
CSFB Calls	121	122	30)	32		

Handover Statistics	Airtel MO	CWS MO
Handover Attempt	61	105
Handover Failure	3	0
Handover Success	58	105
HOSR %	95.08	100.00

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DATA TEST KPI STATISTICS(4G Preferred)

		Phase-1				Pha	se-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)	11.63	4.28	1	2	8.53	6.45	1	2
8	SFTP UL(Mbps)	5.22	2.66	1	2	5.20	3.59	1	2
ANSFI	HTTP DL(Mbps)	16.03	6.20	1	2	11.59	7.66	1	2
FILE TRANSFER	HTTP UL(Mbps)	7.63	4.26	1	2	9.01	6.80	1	2
置	HTTP Capacity DL(Mbps)	20.42	22.29	2	1	22.41	19.24	1	2
	HTTP Capacity UL(Mbps)	12.59	13.79	2	1	15.67	17.01	2	1
	Overall Browser DL Time (s)	12.02	12.39	1	2	11.16	10.48	2	1
	Kepler Webpage DL Time (s)	4.67	7.24	1	2	4.78	4.88	1	2
BROWSER	Mobile Kepler Webpage DL Time (s)	2.80	2.65	2	1	1.78	3.04	1	2
BROV	www.shein.com Webpage DL Time (s)	7.38	14.31	1	2	7.16	5.65	2	1
	www.nbs.gov.sc Webpage DL Time (s)	21.21	17.05	2	1	19.88	17.98	2	1
	www.sbc.sc Webpage DL Time (s)	23.86	24.91	1	2	22.90	21.51	2	1
NCY	Avg Latency (ms)	280.83	211.43	2	1	281.07	247.96	2	1
LATENCY	Median Latency (ms)	389	195	2	1	247	195	2	1
3E	YouTube Access Time (s)	7.02	3.35	2	1	5.43	1.83	2	1
YOUTUBE	YouTube Average Resolution (pixels)	1047.98	852.85	1	2	1080.00	1080.00	1	1
, AC	YouTube Success Ratio [%]	100.00	100.00	1	1	94.44	100.00	2	1



4G PREFERRED THROUGHPUT FILE ACCESS

Phase-1

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	14	12	87.50	100.00
3FIF DL	Failure	2	0	12.50	0.00
CETPIII	Success	14	11	100.00	100.00
SFTP UL	Failure	0	0	0.00	0.00
HTTP DL	Success	14	11	100.00	91.67
	Failure	0	1	0.00	8.33
	Success	14	12	100.00	100.00
HTTP UL	Failure	0	0	0.00	0.00
HTTD Canacity DI	Success	14	11	100.00	100.00
HTTP Capacity DL	Failure	0	0	0.00	0.00
HTTD Compaigned	Success	14	8	100.00	88.89
HTTP Capacity UL	Failure	0	1	0.00	11.11

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	18	19	100.00	100.00
SFIPDL	Failure	0	0	0.00	0.00
SFTP UL	Success	19	19	100.00	100.00
SFIF OL	Failure	0	0	0.00	0.00
HTTP DL	Success	19	19	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	19	19	100.00	100.00
HIIF OL	Failure	0	0	0.00	0.00
HTTP Capacity DL	Success	18	18	100.00	100.00
TITIF Capacity DL	Failure	0	0	0.00	0.00
HTTD Canacity III	Success	16	18	88.89	100.00
HTTP Capacity UL	Failure	2	0	11.11	0.00



4G PREFERRED BROWSING FILE ACCESS

Phase-1

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kanlari	Success	12	12	85.71	100.00
Kepler	Failure	2	0	14.29	0.00
Mahila Kanlar	Success	14	12	100.00	100.00
Mobile Kepler	Failure	0	0	0.00	0.00
	Success	14	12	100.00	100.00
www.shein.com	Failure	0	0	0.00	0.00
	Success	14	12	100.00	100.00
www.nbs.gov.sc	Failure	0	0	0.00	0.00
www.sbc.sc	Success	13	8	92.86	66.67
	Failure	1	4	7.14	33.33

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kanlar	Success	18	18	100.00	100.00
Kepler	Failure	0	0	0.00	0.00
Mahila Kanlar	Success	18	18	100.00	100.00
Mobile Kepler	Failure	0	0	0.00	0.00
www.shein.com	Success	18	18	100.00	100.00
www.siieiii.coiii	Failure	0	0	0.00	0.00
umay nha goy sa	Success	18	18	100.00	100.00
www.nbs.gov.sc	Failure	0	0	0.00	0.00
www.sbc.sc	Success	17	17	94.44	94.44
	Failure	1	1	5.56	5.56



4G PREFERRED LATENCY

Phase-1

	Latency KPIs	Airtel 4G	CWS 4G
	Sample Count [32 bytes]	26	23
	Average Latency [ms]	282.88	213.00
	Median Latency [ms]	276	194
Overall Latency	Ping session status: Successful	26	23
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	2	0
	Packet Loss<1%	7.14	0.00
	Average Latency [ms]	434.92	202.20
	Median Latency [ms]	411	170
	Ping session status: Successful	13	11
www.google.com	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	0
	Packet Loss<1%	7.14	0.00
	Average Latency [ms]	130.85	227.25
	Median Latency [ms]	128	208
102.133.176.104	Ping session status: Successful	13	12
102.133.176.104	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	0
	Packet Loss<1%	7.14	0.00

	Latency KPIs	Airtel 4G	CWS 4G
	Sample Count [32 bytes]	34	36
	Average Latency [ms]	282.38	222.42
	Median Latency [ms]	289	192
Overall Latency	Ping session status: Successful	34	36
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	3	0
	Packet Loss<1%	8.11	0.00
	Average Latency [ms]	438.47	174.75
	Median Latency [ms]	431	148
www.google.com	Ping session status: Successful	17	17
www.googie.com	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	0
	Packet Loss<1%	5.56	0.00
	Average Latency [ms]	126.29	266.68
	Median Latency [ms]	122	210
102.133.176.104	Ping session status: Successful	17	19
102.133.170.104	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	2	0
	Packet Loss<1%	10.53	0.00



4G PREFERRED YOUTUBE COMPARISON

Phase-1

LTE YOUTUBE Success Ratio						
KPIs	Airtel 4G	CWS 4G				
Attempt(Count)	14	12				
Success(Count)	14	12				
Failure(Count)	0	0				
YouTube Access Time (s)	7.02	3.35				
YouTube Average Resolution (pixels)	1047.98	852.85				
YouTube Success Ratio [%]	100.00	100.00				

LTE YOUTUBE Success Ratio						
KPIs	Airtel 4G	CWS 4G				
Attempt(Count)	18	19				
Success(Count)	17	19				
Failure(Count)	1	0				
YouTube Access Time (s)	5.43	1.83				
YouTube Average Resolution (pixels)	1080.00	1080.00				
YouTube Success Ratio [%]	94.44	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)	4.07	3.71	1	2	3.36	3.34	1	2
8	SFTP UL(Mbps)	1.35	0.93	1	2	1.45	0.92	1	2
ANSFI	HTTP DL(Mbps)	3.82	3.28	1	2	4.18	2.98	1	2
FILE TRANSFER	HTTP UL(Mbps)	2.05	1.58	1	2	2.22	1.40	1	2
분	HTTP Capacity DL(Mbps)	3.63	7.73	2	1	4.38	7.39	2	1
	HTTP Capacity UL(Mbps)	4.71	8.23	2	1	4.95	3.49	1	2
	Overall Browser DL Time (s)	9.93	9.37	2	1	9.94	9.38	2	1
	Kepler Webpage DL Time (s)	4.59	6.49	1	2	5.15	7.95	1	2
BROWSER	Mobile Kepler Webpage DL Time (s)	2.16	2.54	1	2	1.81	4.21	1	2
BROV	www.shein.com Webpage DL Time (s)	12.54	11.05	2	1	11.50	11.47	2	1
	www.nbs.gov.sc Webpage DL Time (s)	13.90	10.72	2	1	11.87	9.31	2	1
	www.sbc.sc Webpage DL Time (s)	17.78	15.81	2	1	19.40	14.09	2	1
LATENCY	Avg Latency (ms)	286.73	183.99	2	1	275.96	204.72	2	1
LATE	Median Latency (ms)	375	195	2	1	253	198	2	1
38	YouTube Access Time (s)	4.90	3.45	2	1	5.07	2.47	2	1
YOUTUBE	YouTube Average Resolution (pixels)	857.77	935.29	2	1	864.02	1038.60	2	1
, AC	YouTube Success Ratio [%]	100.00	91.67	1	2	93.75	60.00	1	2



3G PREFERRED THROUGHPUT FILE ACCESS

Phase-1

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G (%)	CWS 3G (%)
CETO DI	Success	13	7	100.00	100.00
SFTP DL	Failure	0	0	0.00	0.00
SFTP UL	Success	12	7	100.00	77.78
SFIP OL	Failure	0	2	0.00	22.22
HTTP DL	Success	12	11	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	12	11	100.00	91.67
HIIPOL	Failure	0	1	0.00	8.33
HTTD Canacity DI	Success	11	11	100.00	100.00
HTTP Capacity DL	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	9	11	90.00	100.00
	Failure	1	0	10.00	0.00

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G (%)	CWS 3G (%)
CETT DI	Success	15	9	100.00	90.00
SFTP DL	Failure	0	1	0.00	10.00
SFTP UL	Success	16	13	100.00	100.00
SFIPUL	Failure	0	0	0.00	0.00
HTTP DL	Success	16	12	100.00	92.31
	Failure	0	1	0.00	7.69
HTTP UL	Success	15	10	93.75	66.67
HITPOL	Failure	1	5	6.25	33.33
HTTD Conneity DI	Success	15	14	100.00	100.00
HTTP Capacity DL	Failure	0	0	0.00	0.00
	Success	14	9	93.33	64.29
HTTP Capacity UL	Failure	1	5	6.67	35.71



3G PREFERRED BROWSING FILE ACCESS

Phase-1

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	cws 3G (%)
Kardar	Success	10	10	90.91	83.33
Kepler	Failure	1	2	9.09	16.67
Mobile Kepler	Success	11	11	100.00	91.67
Mobile Kepler	Failure	0	1	0.00	8.33
	Success	8	11	80.00	91.67
www.shein.com	Failure	2	1	20.00	8.33
	Success	10	11	100.00	91.67
www.nbs.gov.sc	Failure	0	1	0.00	8.33
www.sbc.sc	Success	10	11	90.91	100.00
	Failure	1	0	9.09	0.00

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kardar	Success	15	14	93.75	100.00
Kepler	Failure	1	0	6.25	0.00
	Success	15	12	100.00	85.71
Mobile Kepler	Failure	0	2	0.00	14.29
	Success	15	15	100.00	100.00
www.shein.com	Failure	0	0	0.00	0.00
	Success	15	14	93.75	93.33
www.nbs.gov.sc	Failure	1	1	6.25	6.67
www.sbc.sc	Success	15	11	93.75	78.57
	Failure	1	3	6.25	21.43



3G PREFERRED LATENCY

Phase-1

	Latency KPIs	Airtel 3G	cws 3G
Overall Latency	Sample Count [32 bytes]	20	22
	Average Latency [ms]	316.70	182.05
	Median Latency [ms]	392	197
	Ping session status: Successful	20	22
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	3	1
	Packet Loss<1%	13.04	4.35
www.google.com	Average Latency [ms]	406.20	141.30
	Median Latency [ms]	401	140
	Ping session status: Successful	10	10
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	1
	Packet Loss<1%	9.09	9.09
102.133.176.104	Average Latency [ms]	227.20	216.00
	Median Latency [ms]	202	212
	Ping session status: Successful	10	12
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	2	0
	Packet Loss<1%	16.67	0.00

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	29	26
	Average Latency [ms]	276.07	191.00
	Median Latency [ms]	259	198
	Ping session status: Successful	29	26
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
	Average Latency [ms]	412.86	164.38
www.google.com	Median Latency [ms]	411	146
	Ping session status: Successful	14	14
	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]	148.40	219.83
102.133.176.104	Median Latency [ms]	125	205
	Ping session status: Successful	15	12
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00



3G PREFERRED YOUTUBE COMPARISON

Phase-1

UMTS YOUTUBE Success Ratio					
KPIs	Airtel 3G	CWS 3G			
Attempt(Count)	12	12			
Success(Count)	12	11			
Failure(Count)	0	1			
YouTube Access Time (s)	4.90	3.45			
YouTube Average Resolution (pixels)	857.77	935.29			
YouTube Success Ratio [%]	100.00	91.67			

UMTS YOUTUBE Success Ratio				
KPIs	Airtel 3G	CWS 3G		
Attempt(Count)	16	15		
Success(Count)	15	9		
Failure(Count)	1	6		
YouTube Access Time (s)	5.07	2.47		
YouTube Average Resolution (pixels)	864.02	1038.60		
YouTube Success Ratio [%]	93.75	60.00		

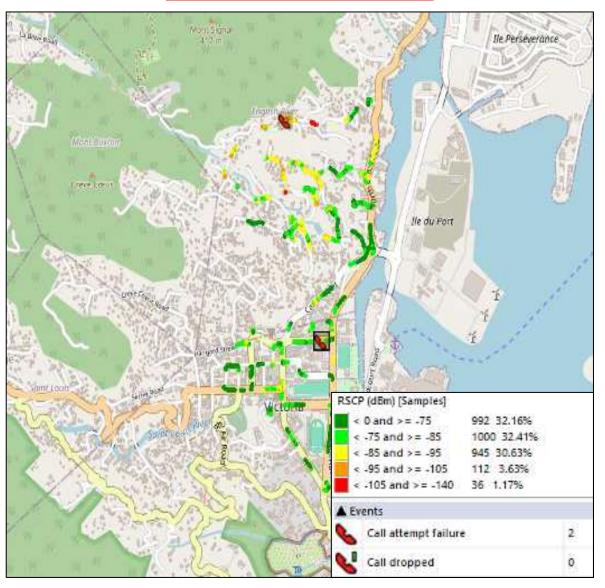


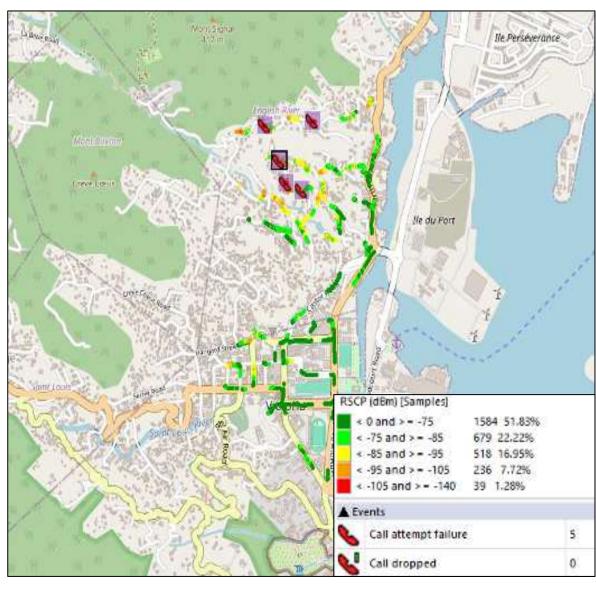
Voice Call Events



Phase-1 SHORT CALL FAILURE EVENTS LOCATION vs RSCP

Airtel SC MO

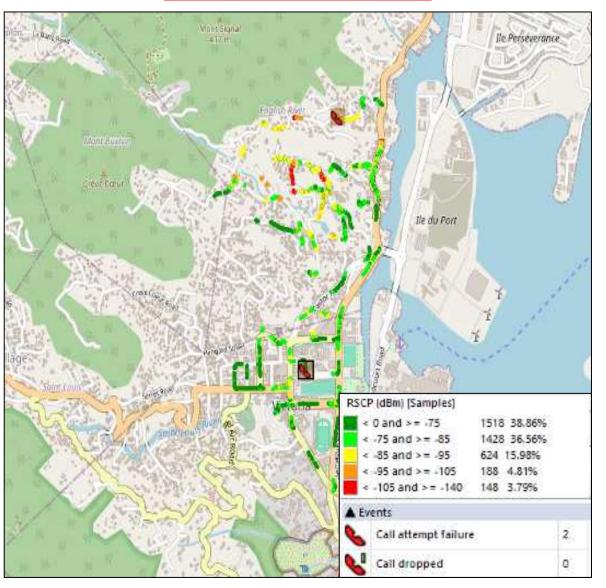


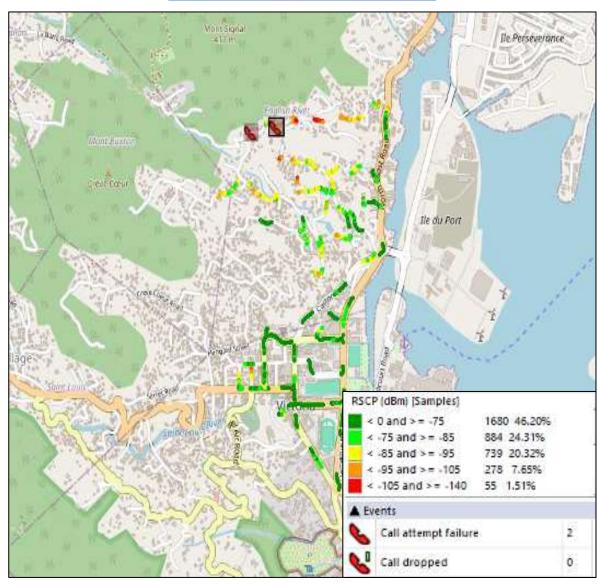




Phase-2 SHORT CALL FAILURE EVENTS LOCATION vs RSCP

Airtel SC MO

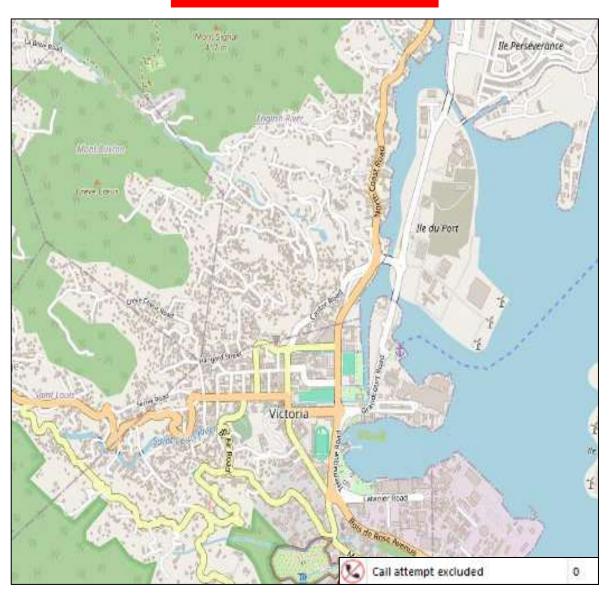


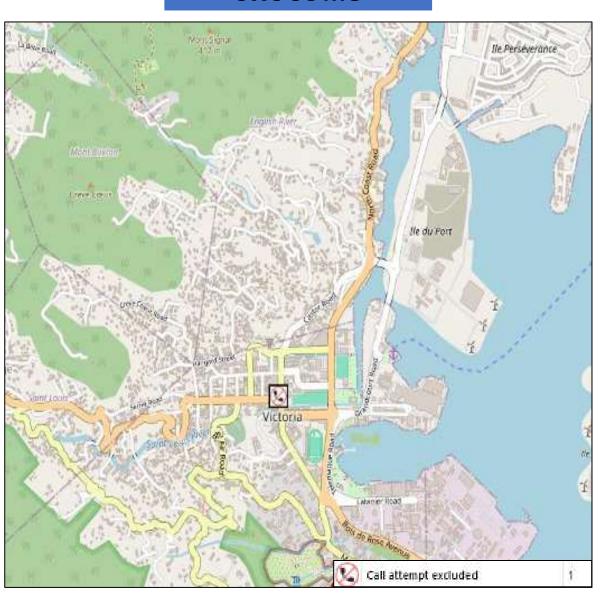




Phase-1 SHORT CALL EXCLUDED EVENTS

Airtel SC MO

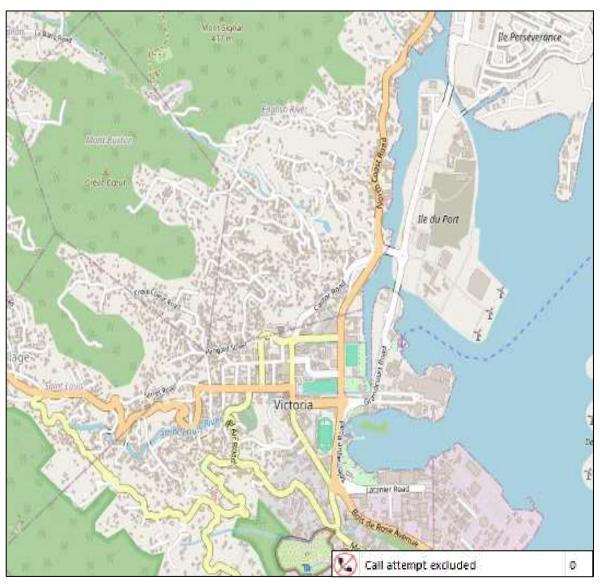


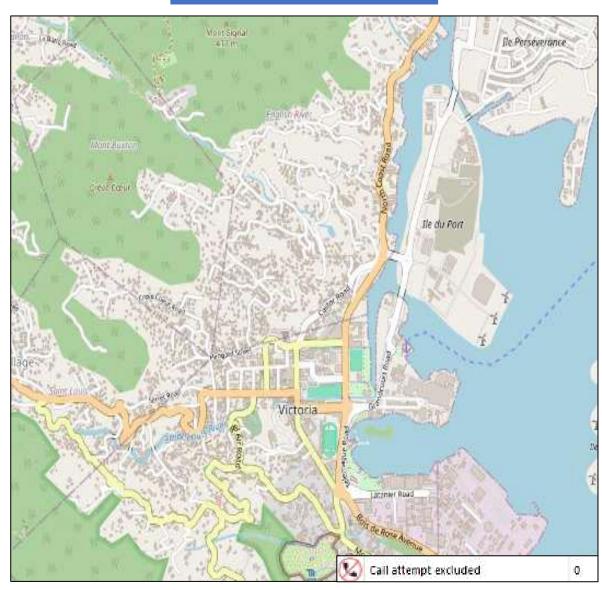




Phase-2 SHORT CALL EXCLUDED EVENTS

Airtel SC MO

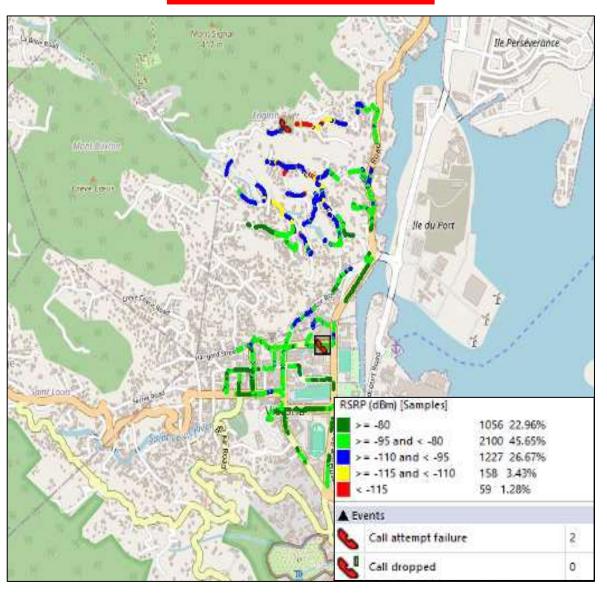


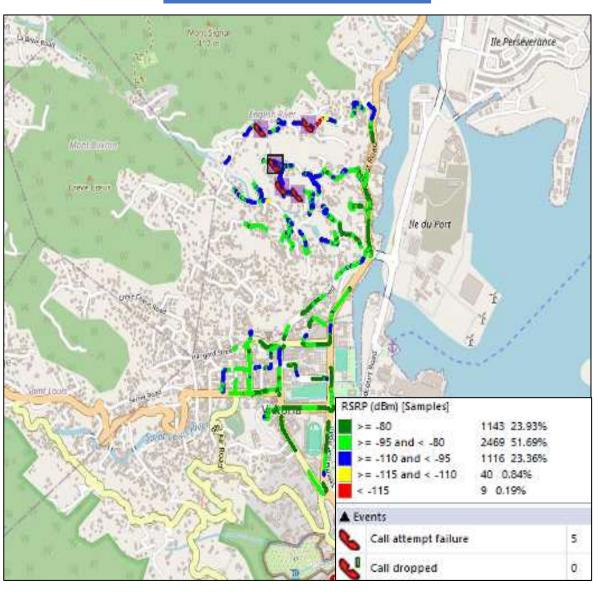




Phase-1 SHORT CALL FAILURE EVENTS LOCATION vs RSRP



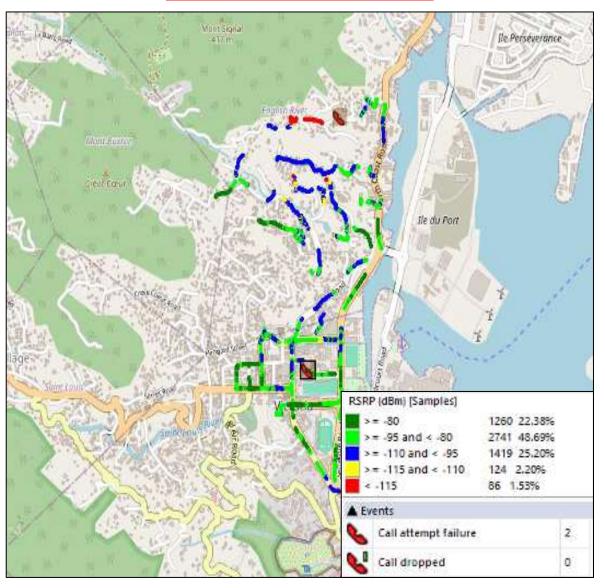


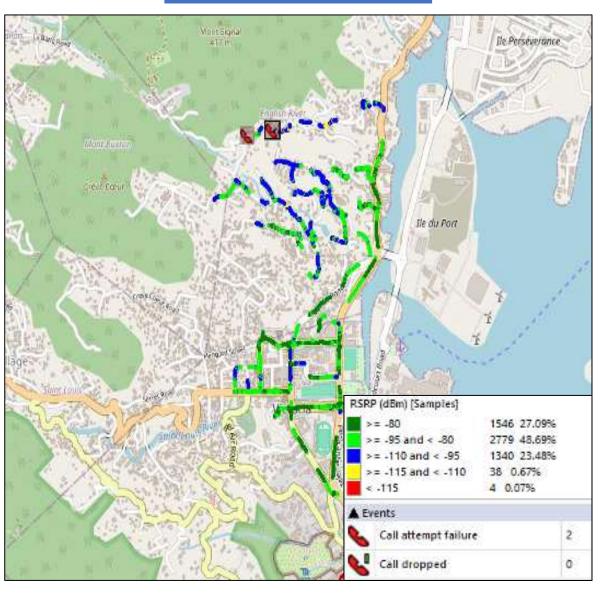




Phase-2 SHORT CALL FAILURE EVENTS LOCATION vs RSRP

Airtel SC MO

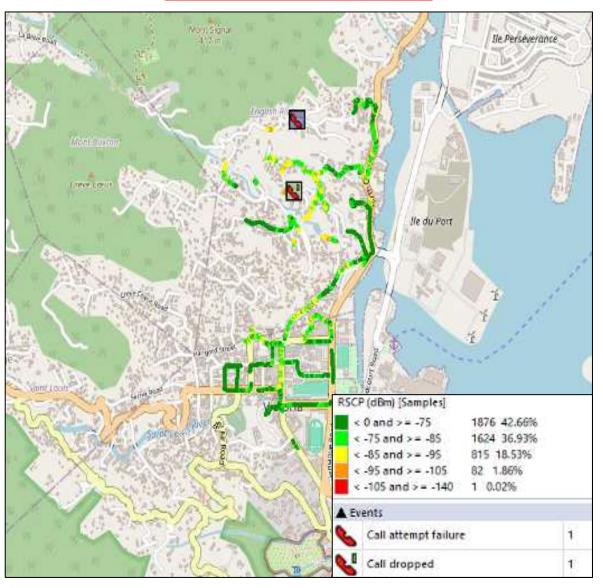


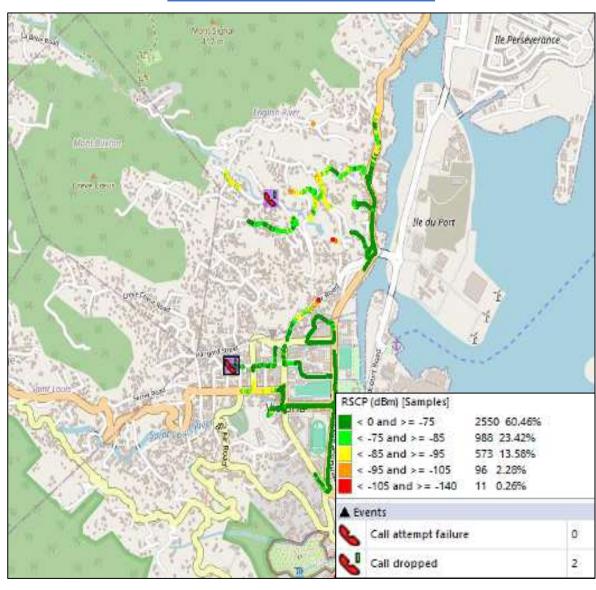




Phase-1 LONG CALL FAILURE EVENTS LOCATION vs RSCP

Airtel LC MO

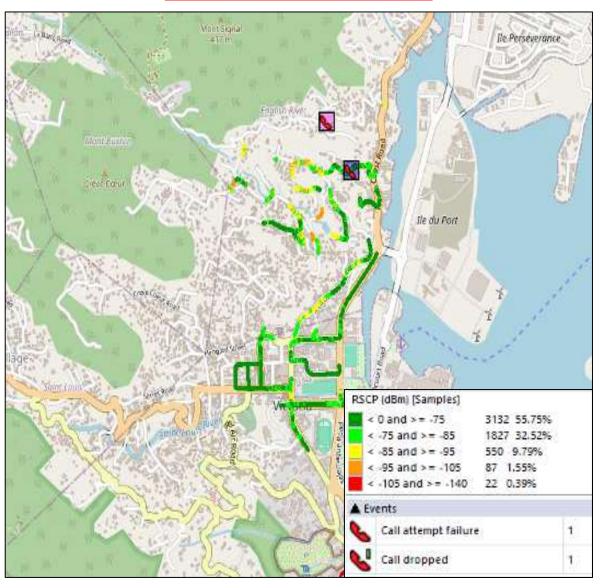


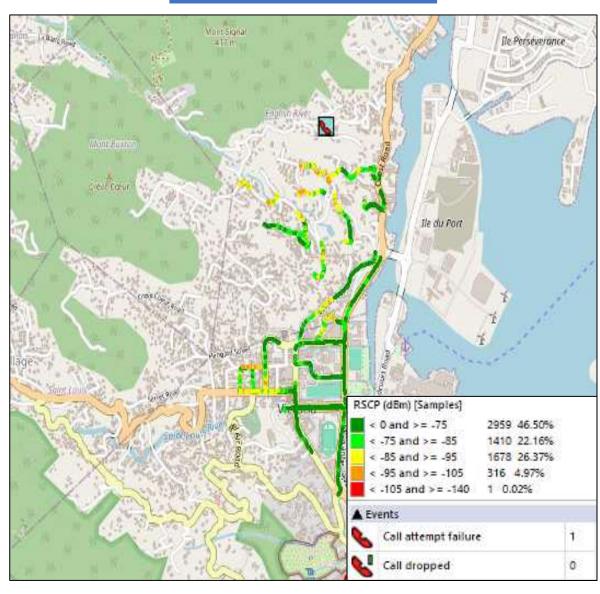




Phase-2 LONG CALL FAILURE EVENTS LOCATION vs RSCP

Airtel LC MO

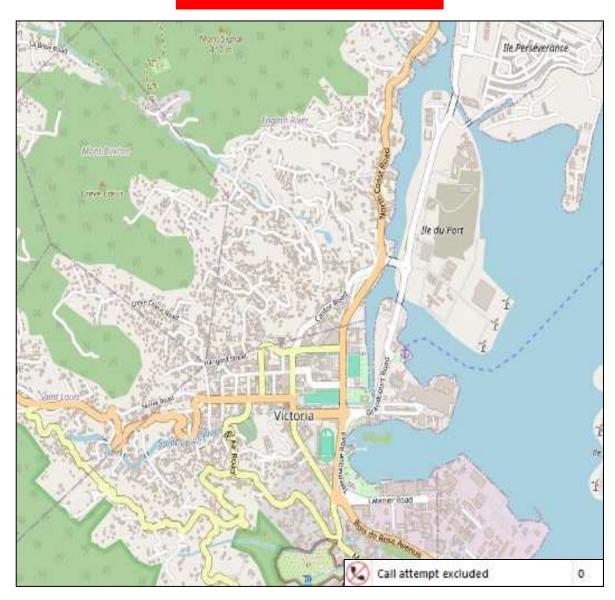


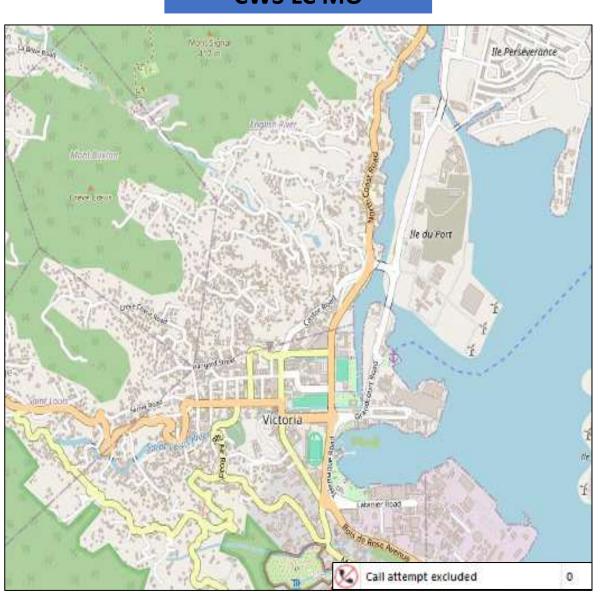




Phase-1 LONG CALL EXCLUDED EVENTS

Airtel LC MO



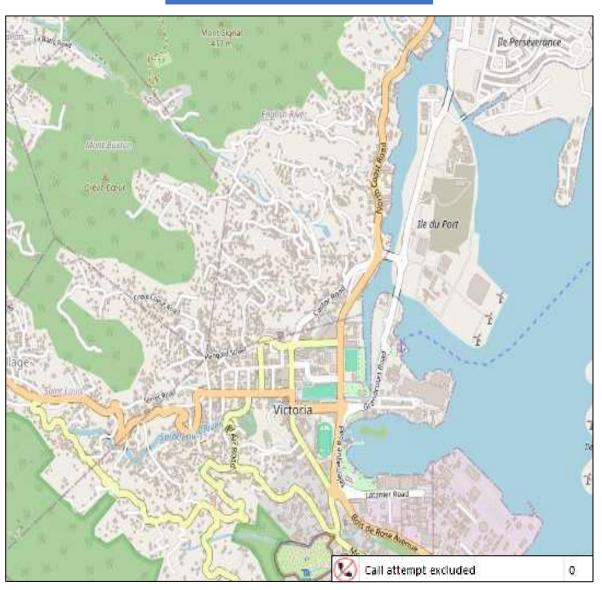




Phase-2 LONG CALL EXCLUDED EVENTS

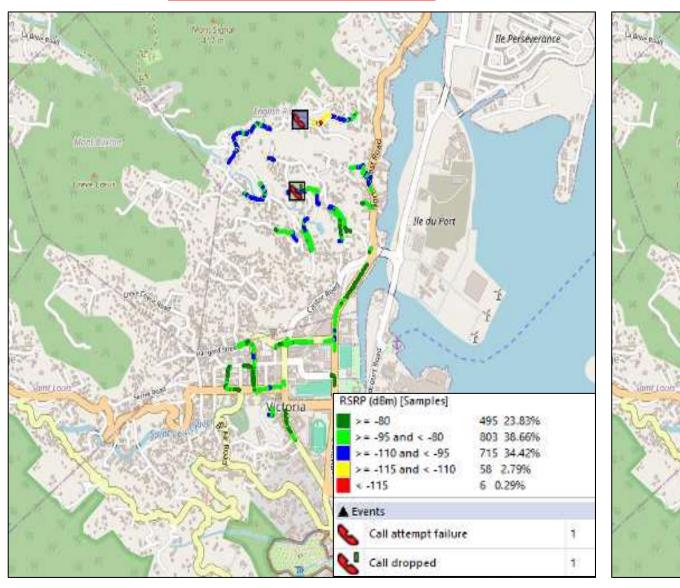
Airtel LC MO

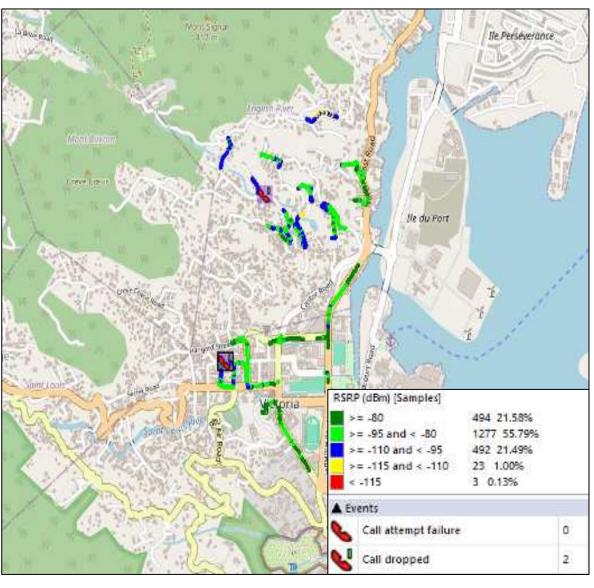




Phase-1 LONG CALL FAILURE EVENTS LOCATION vs RSRP

Airtel LC MO

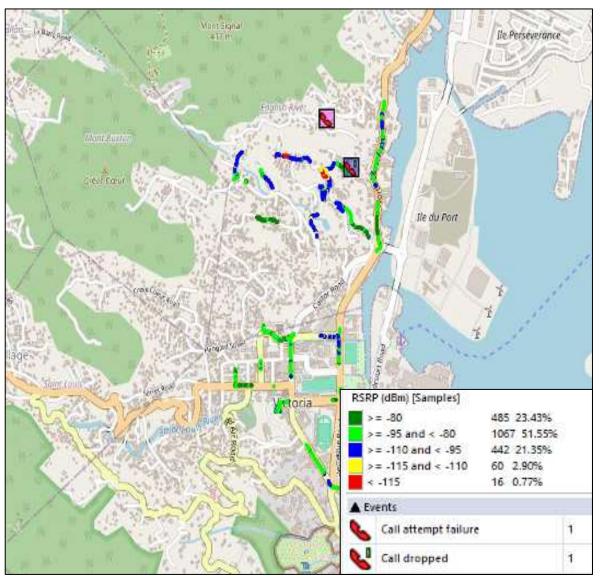


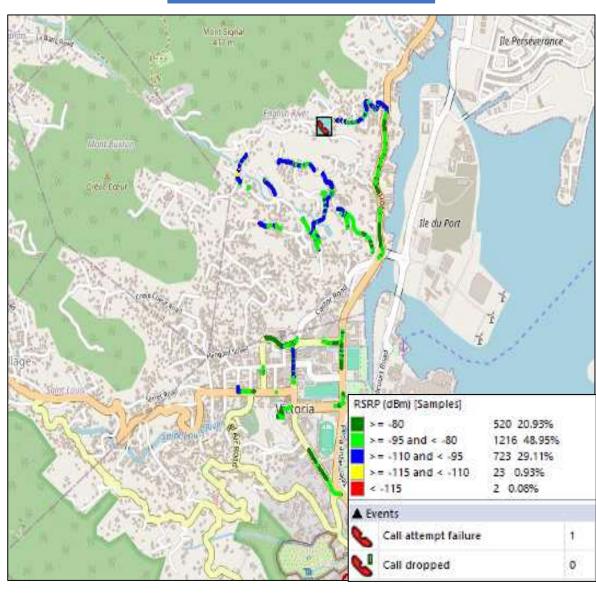




Phase-2 LONG CALL FAILURE EVENTS LOCATION vs RSRP

Airtel LC MO



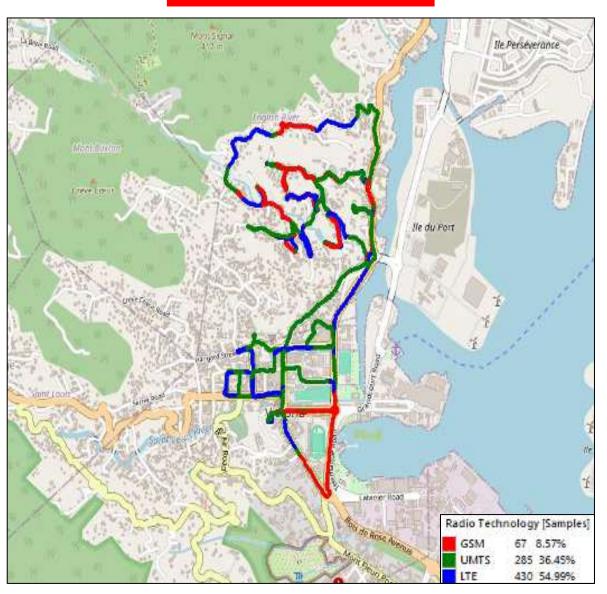


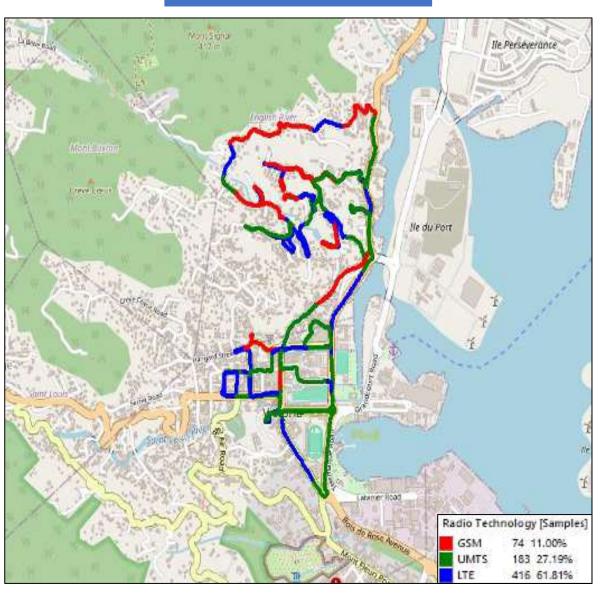


LONG CALL DRIVE PLOTS

Phase-1 Long Call RADIO TECHNOLOGY PLOT

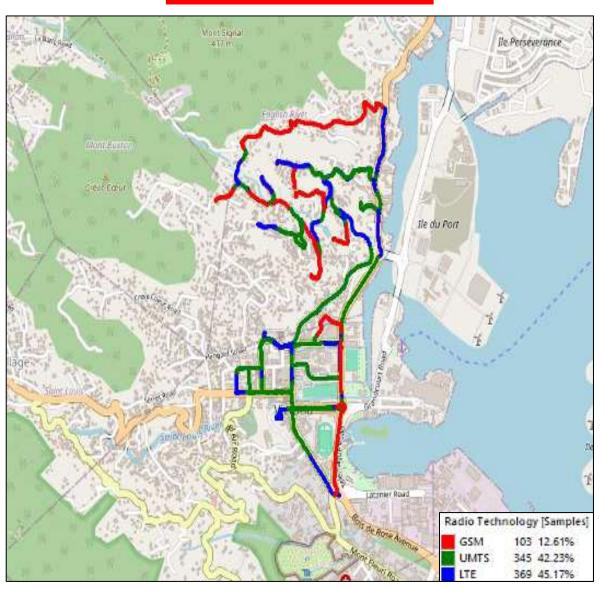
Airtel LC MO

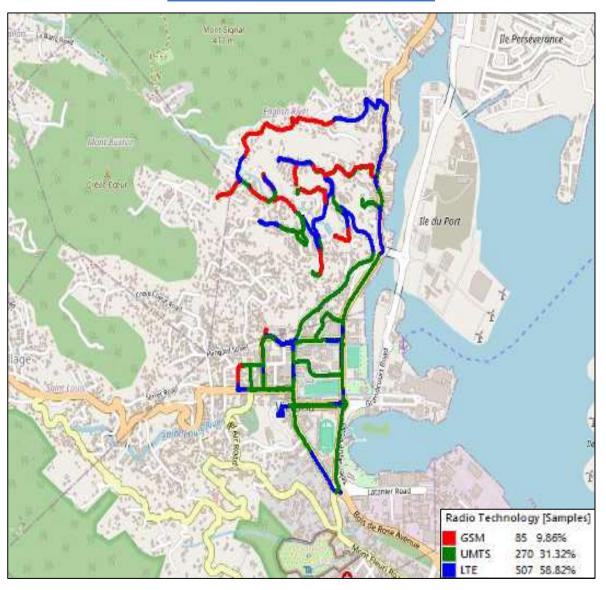




Phase-2 Long Call RADIO TECHNOLOGY PLOT

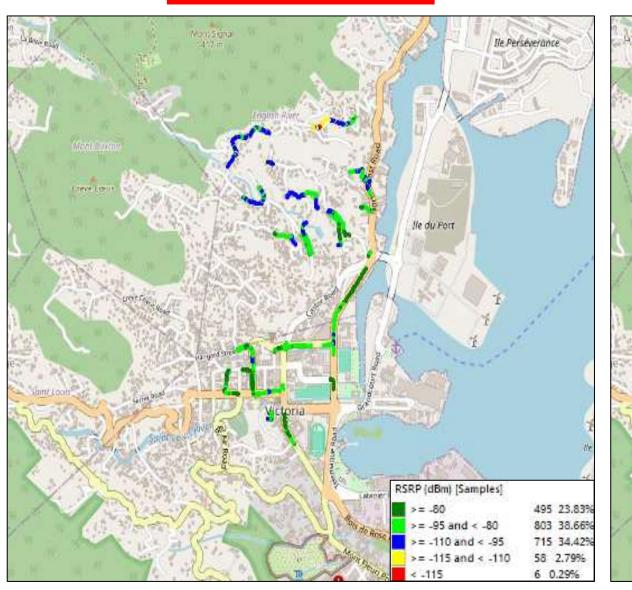
Airtel LC MO

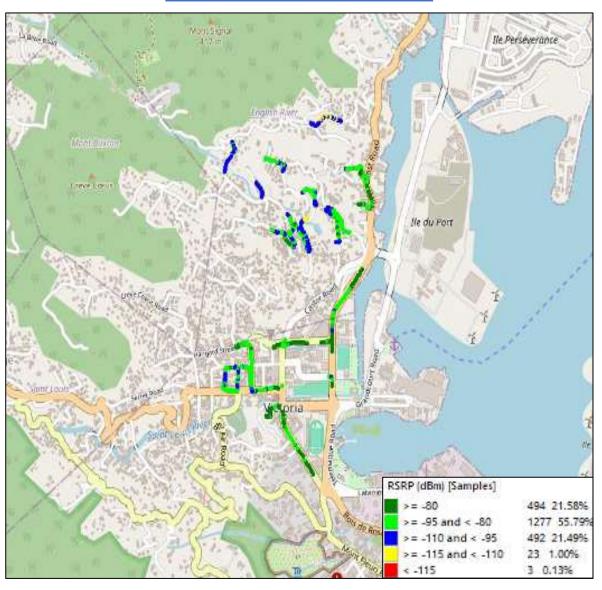




Phase-1 Long Call RSRP PLOT

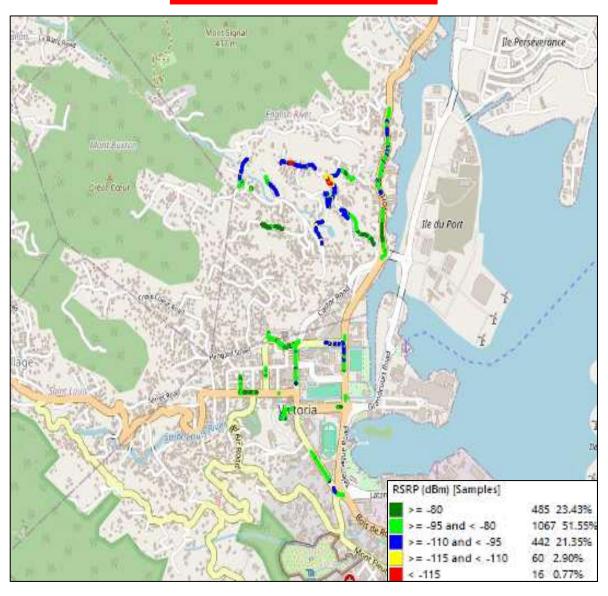
Airtel LC MO

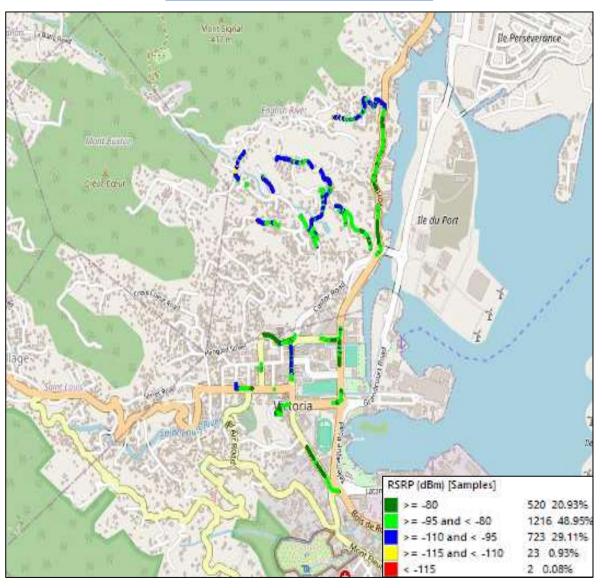




Phase-2 Long Call RSRP PLOT

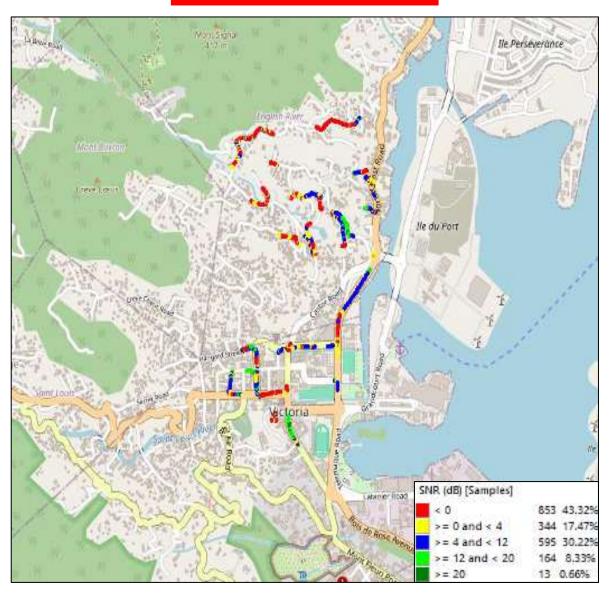
Airtel LC MO

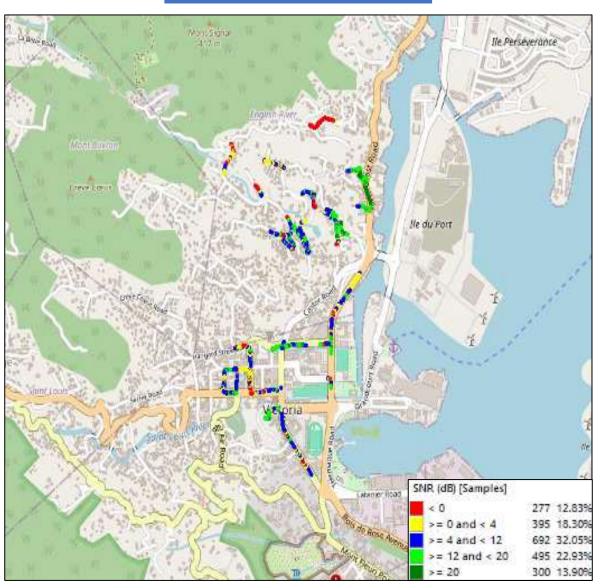




Phase-1 Long Call SINR PLOT

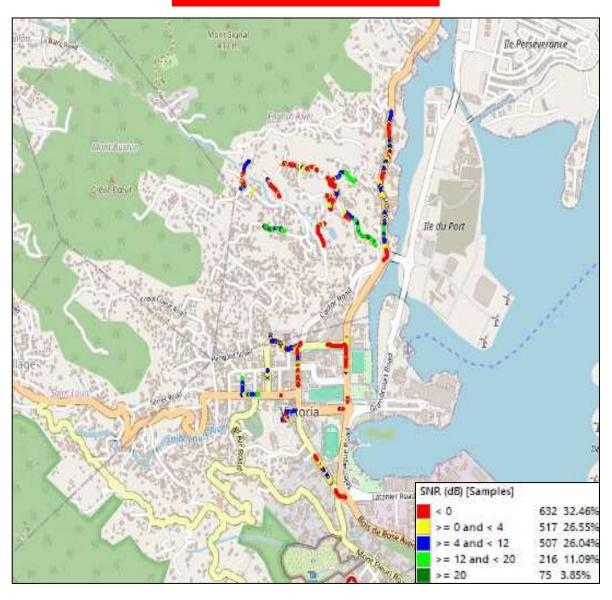
Airtel LC MO

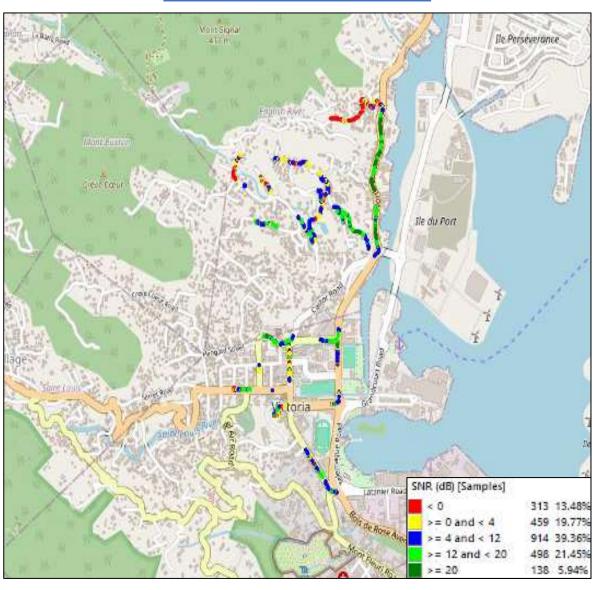




Phase-2 Long Call SINR PLOT

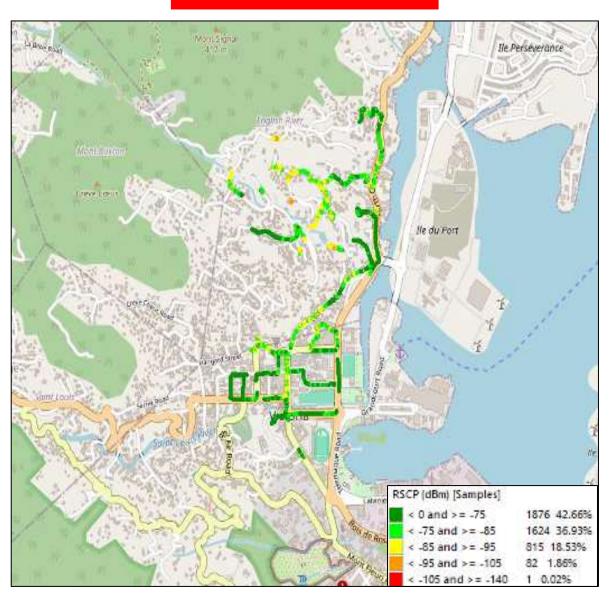
Airtel LC MO

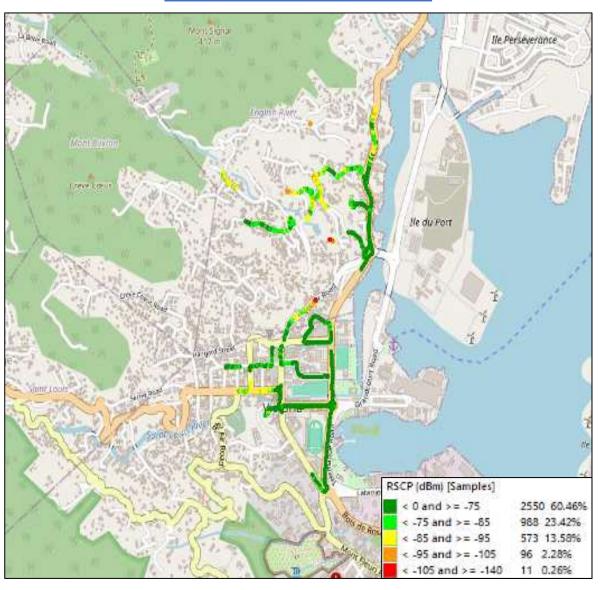




Phase-1 Long Call RSCP PLOT

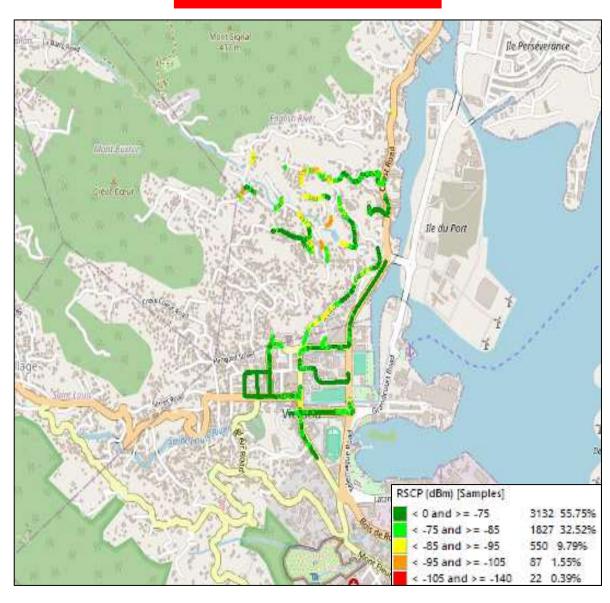
Airtel LC MO

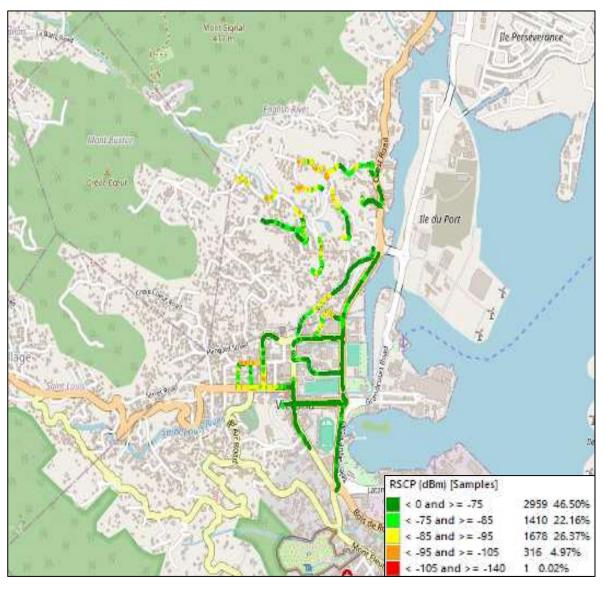




Phase-2 Long Call RSCP PLOT

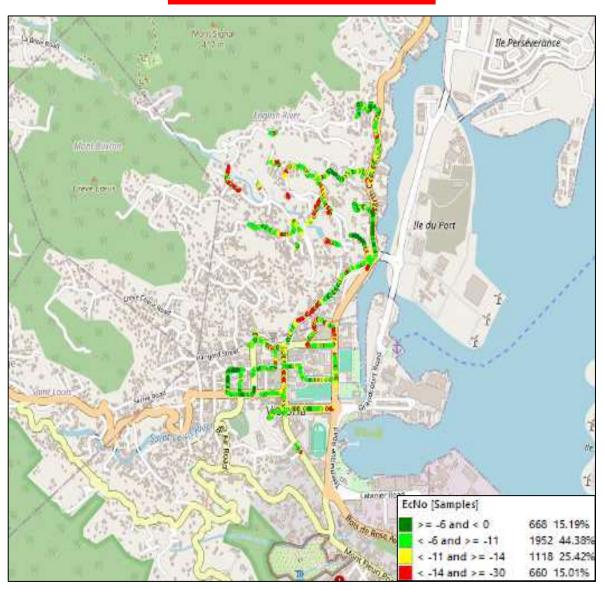
Airtel LC MO

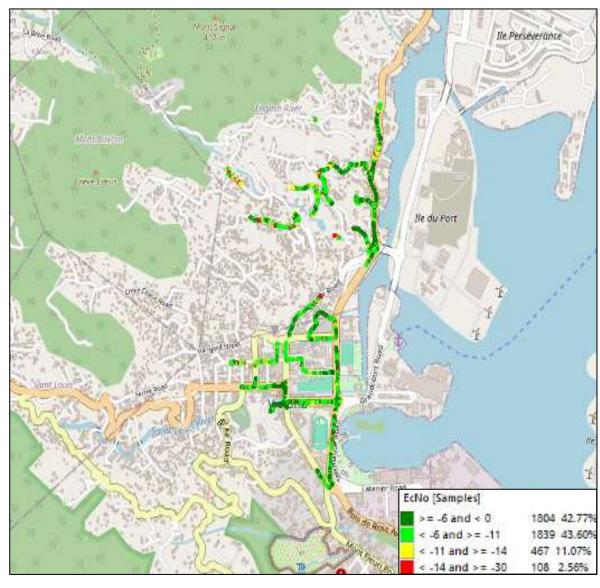




Phase-1 Long Call EC/NO PLOT

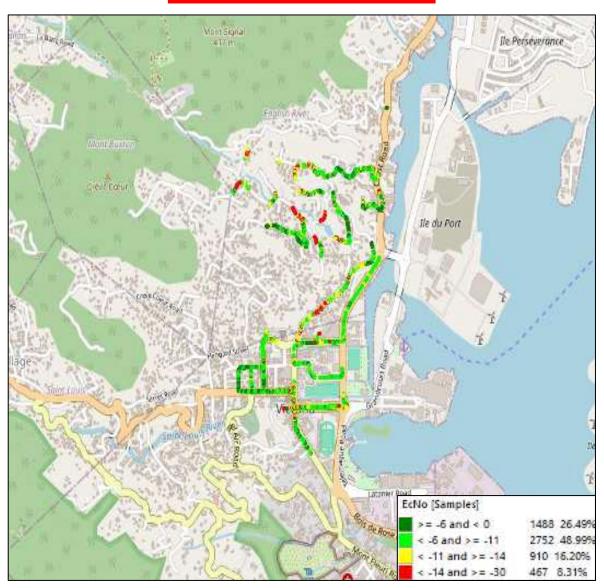
Airtel LC MO

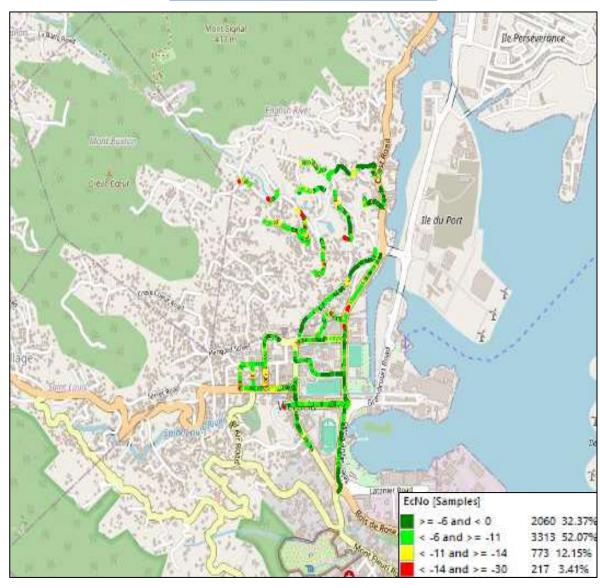




Phase-2 Long Call EC/NO PLOT

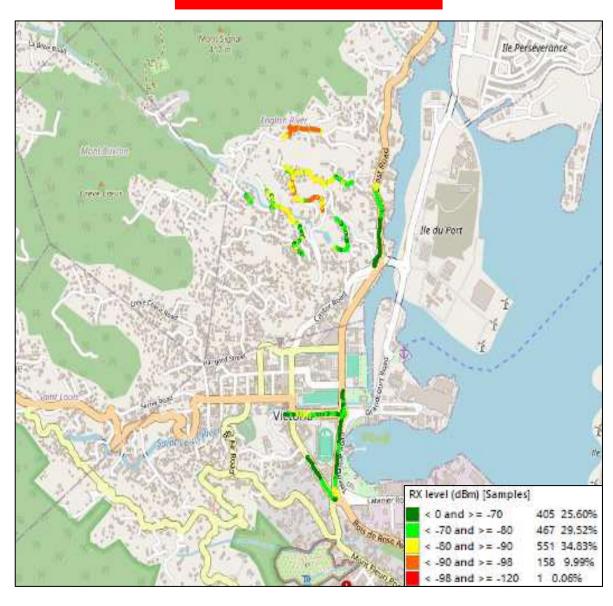
Airtel LC MO

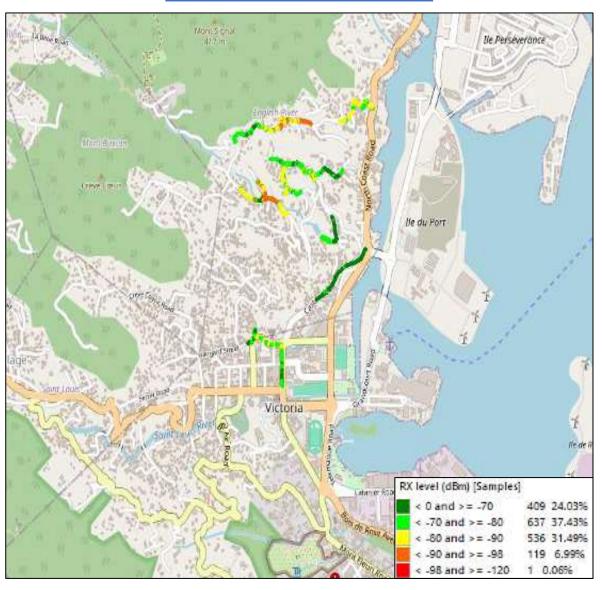




Phase-1 Long Call RX level sub PLOT

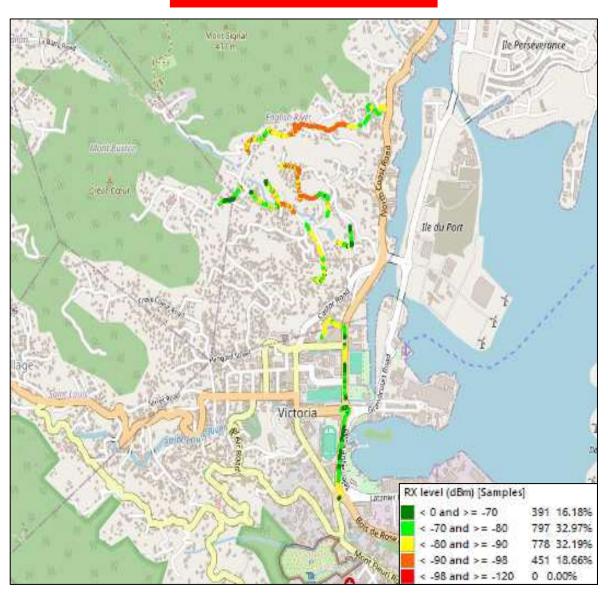
Airtel LC MO

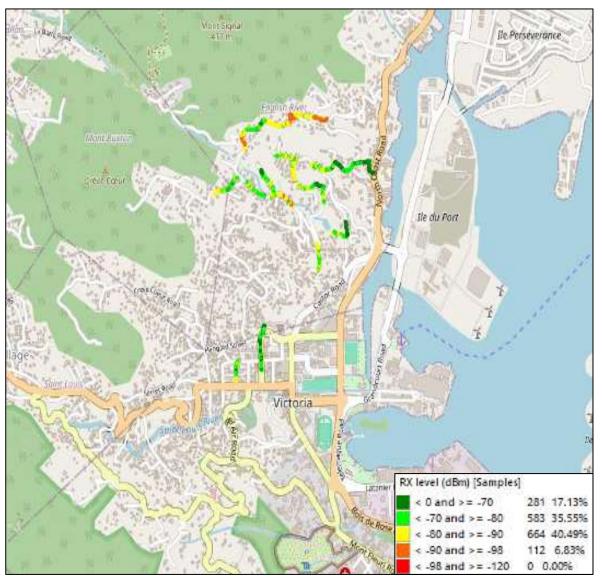




Phase-2 Long Call RX level sub PLOT

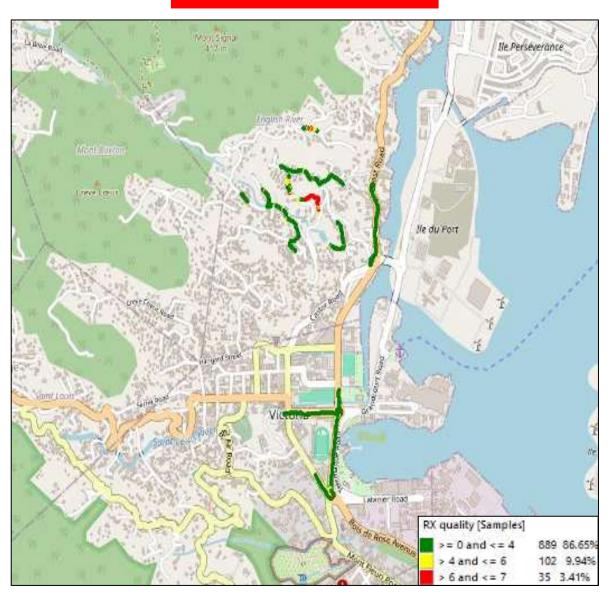
Airtel LC MO

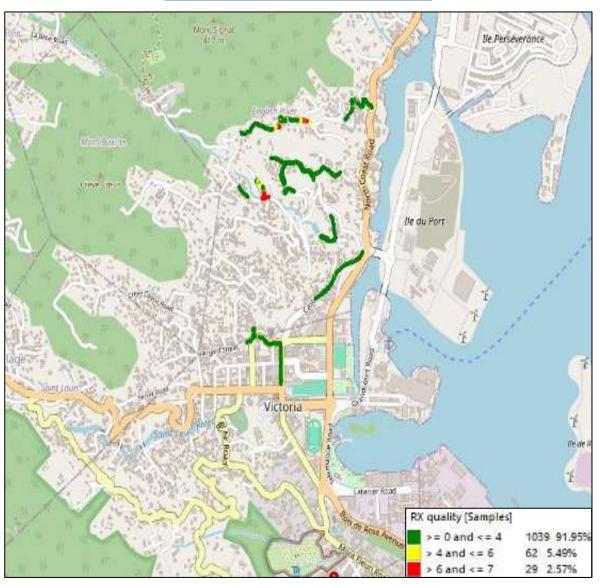




Phase-1 Long Call RX quality sub PLOT

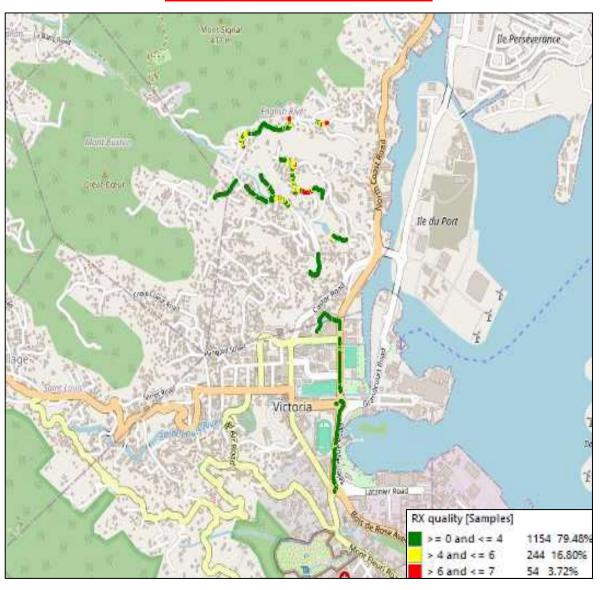
Airtel LC MO

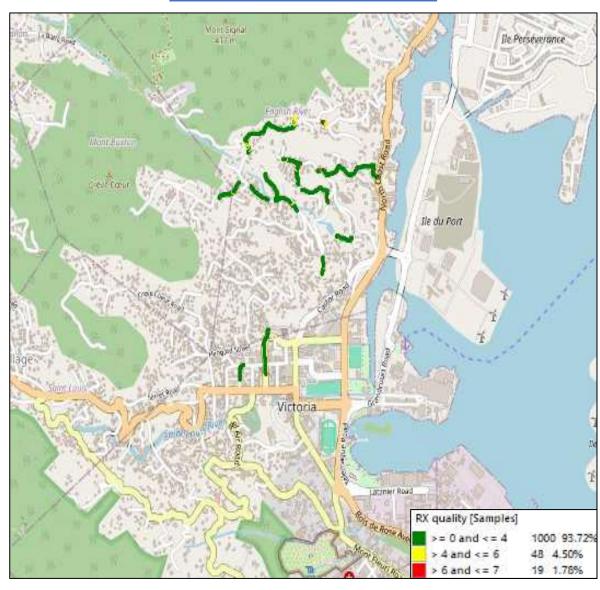




Phase-2 Long Call RX quality sub PLOT

Airtel LC MO



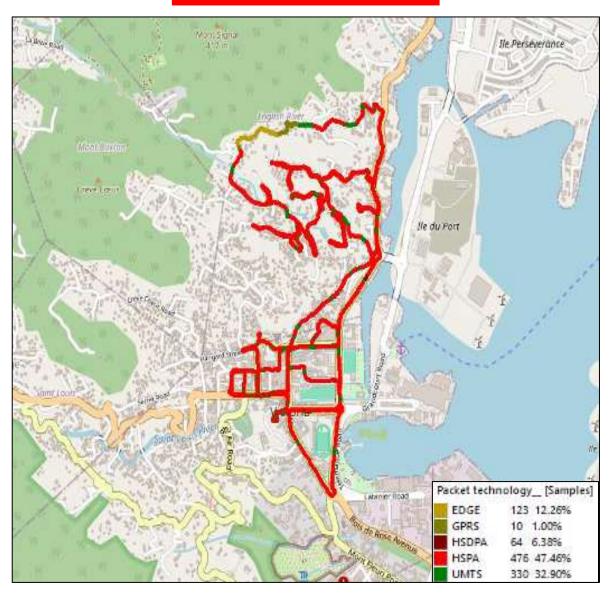


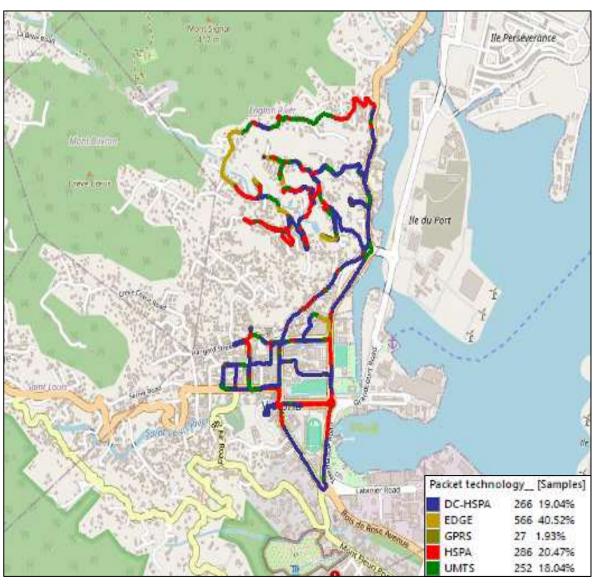


3G PREFERRED DATA DRIVE PLOTS

Phase-1 3G PREFERRED DATA TEST - TECHNOLOGY PLOT

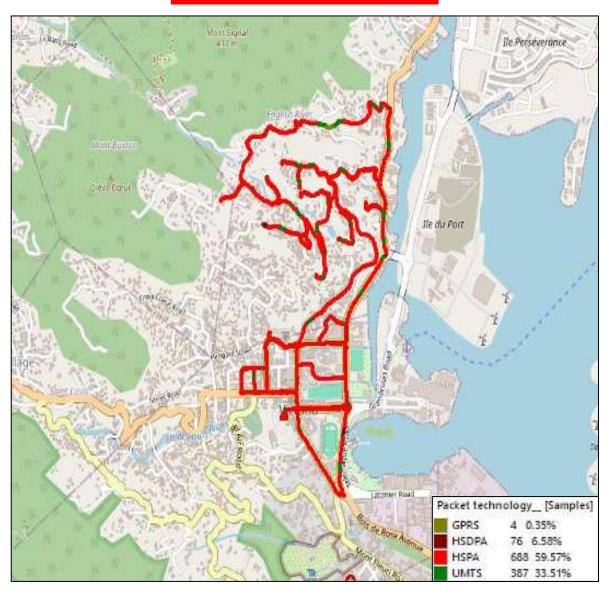
Airtel Data 3G

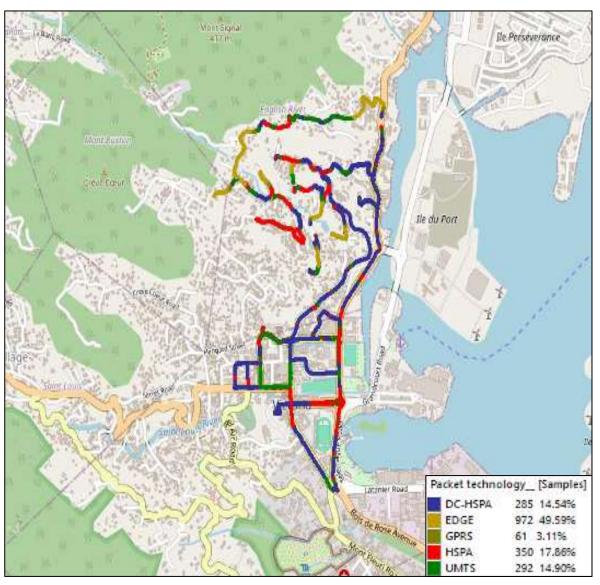




Phase-2 3G PREFERRED DATA TEST - TECHNOLOGY PLOT

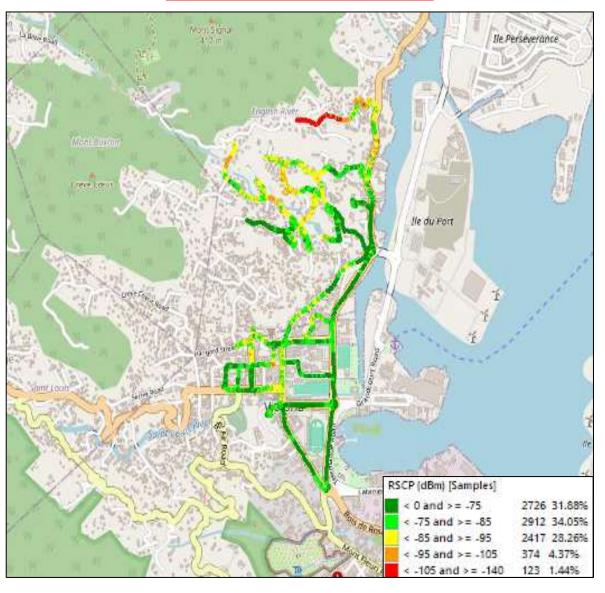
Airtel Data 3G

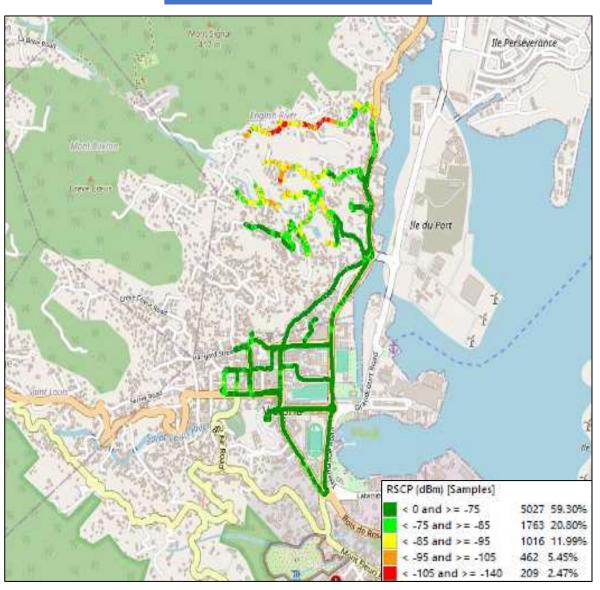




Phase-1 3G PREFERRED DATA TEST - RSCP PLOT

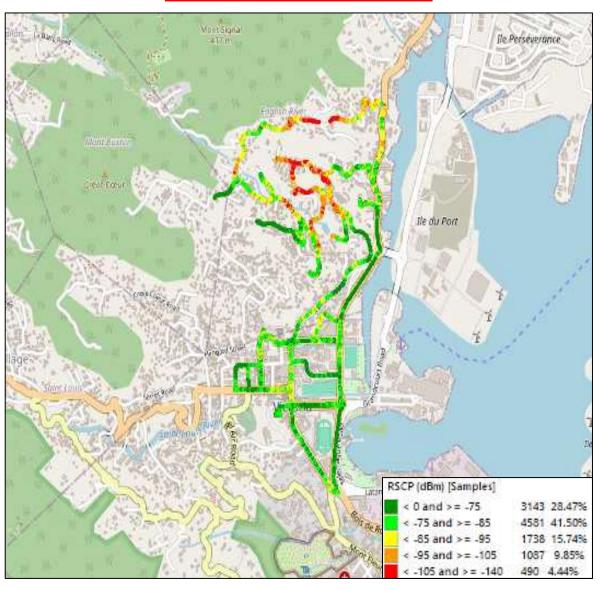
Airtel Data 3G

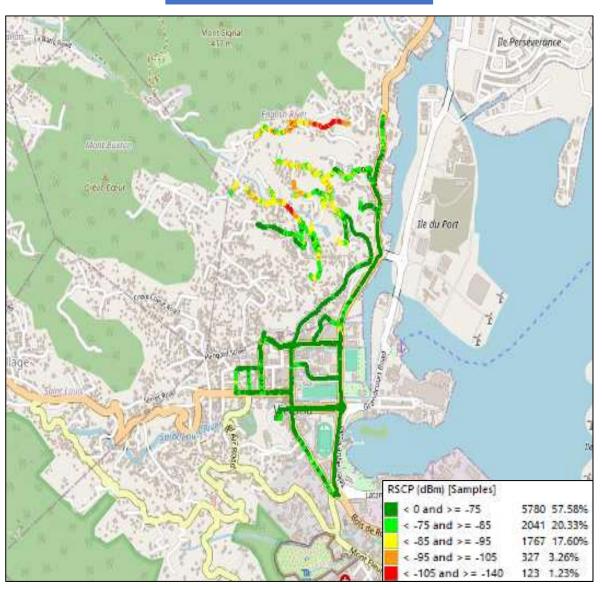




Phase-2 3G PREFERRED DATA TEST - RSCP PLOT

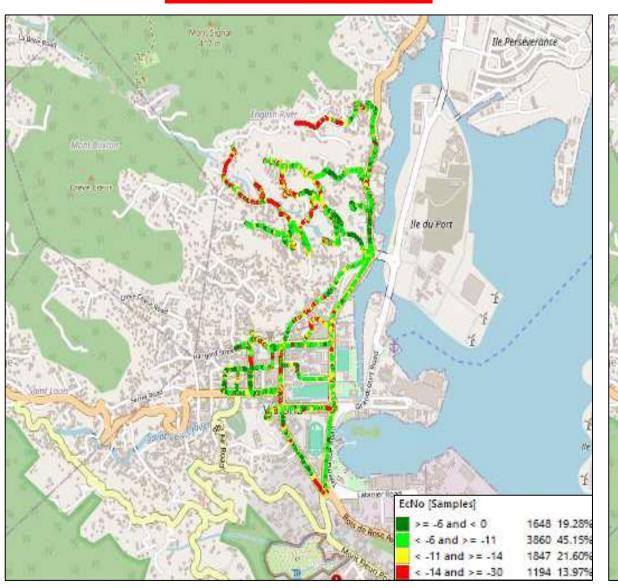
Airtel Data 3G

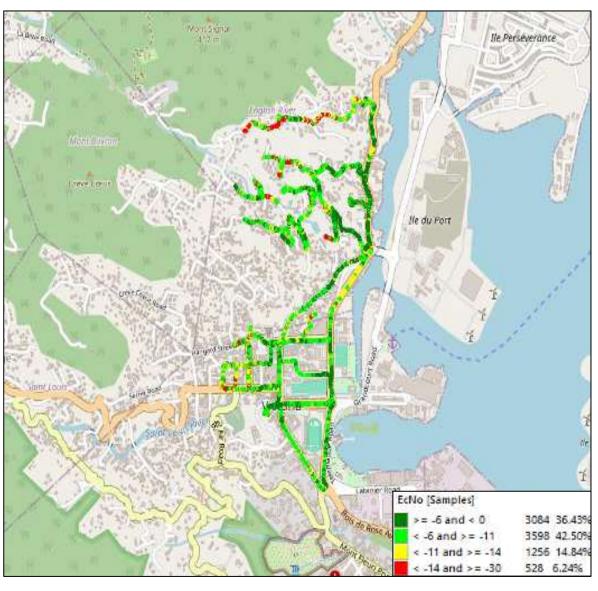




Phase-1 3G PREFERRED DATA TEST - EC/NO PLOT

Airtel Data 3G

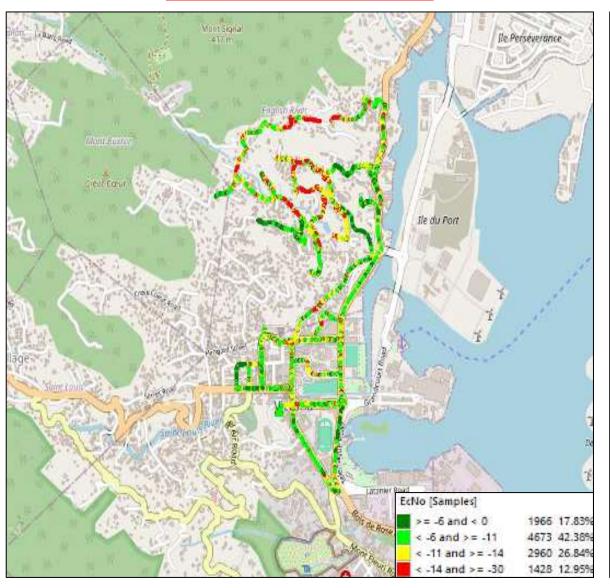


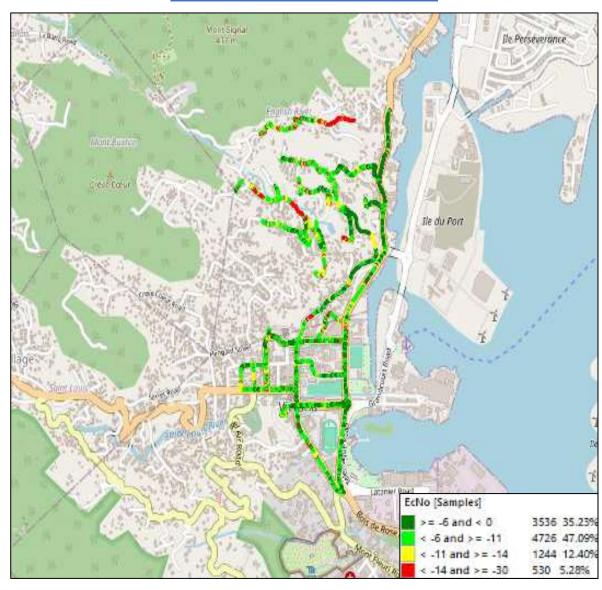




Phase-2 3G PREFERRED DATA TEST - EC/NO PLOT

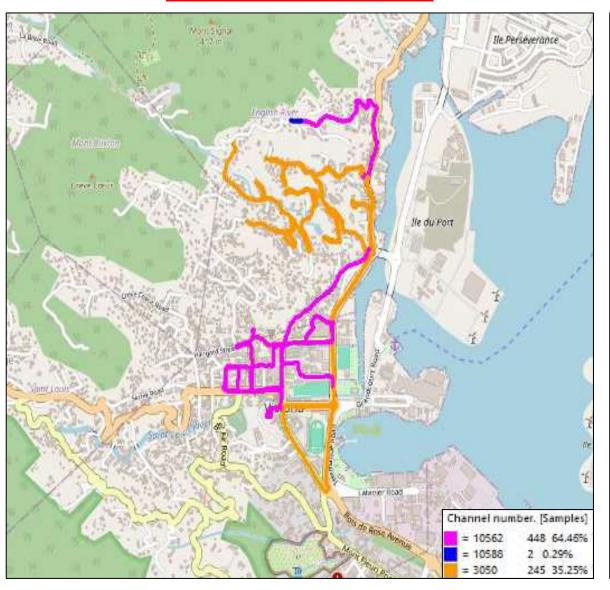
Airtel Data 3G

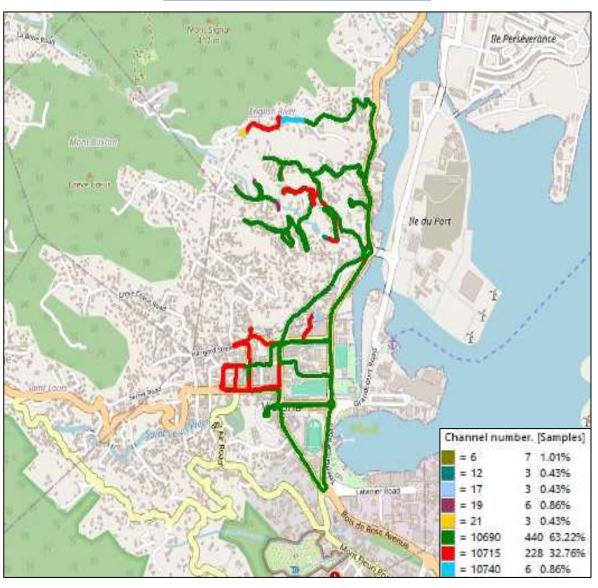




Phase-1 3G PREFERRED DATA TEST - UARFCN PLOT

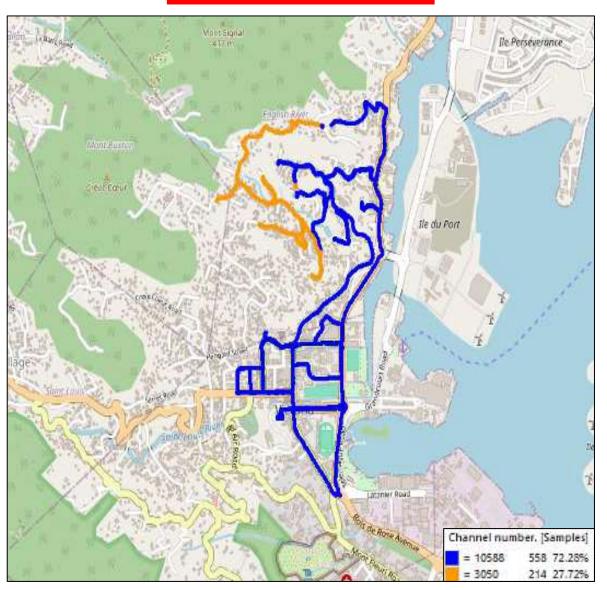
Airtel Data 3G

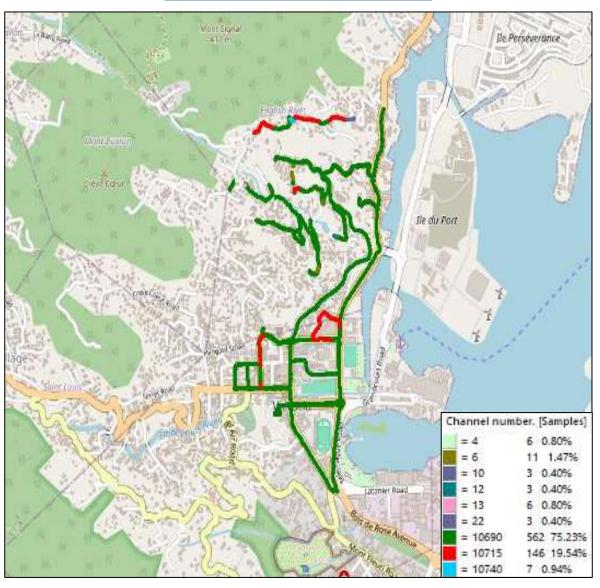




Phase-2 3G PREFERRED DATA TEST - UARFCN PLOT

Airtel Data 3G



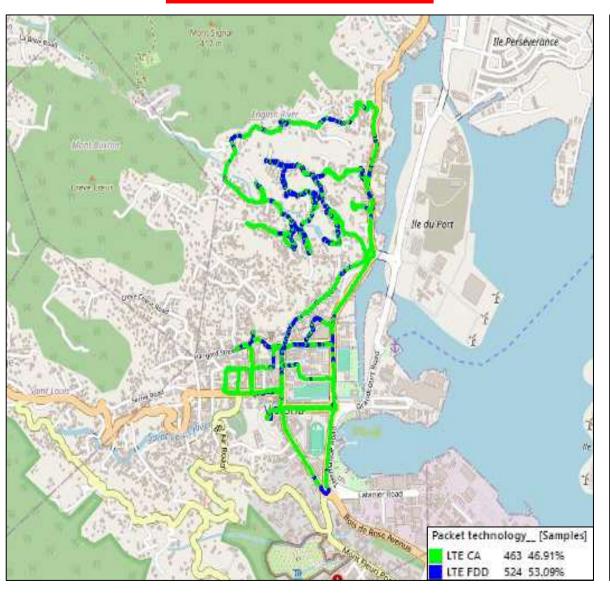


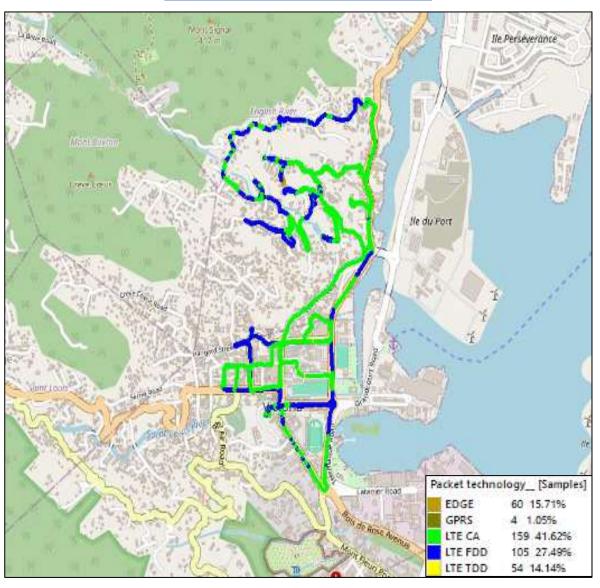


4G PREFERRED DATA DRIVE PLOTS

Phase-1 4G PREFERRED DATA TEST - TECHNOLOGY PLOT

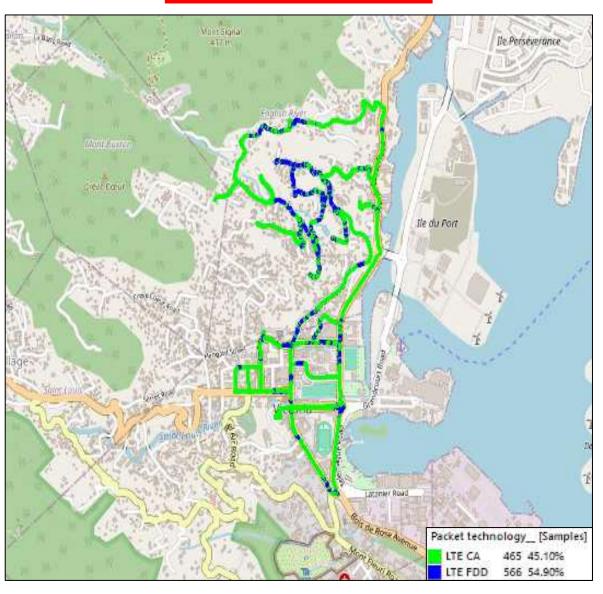


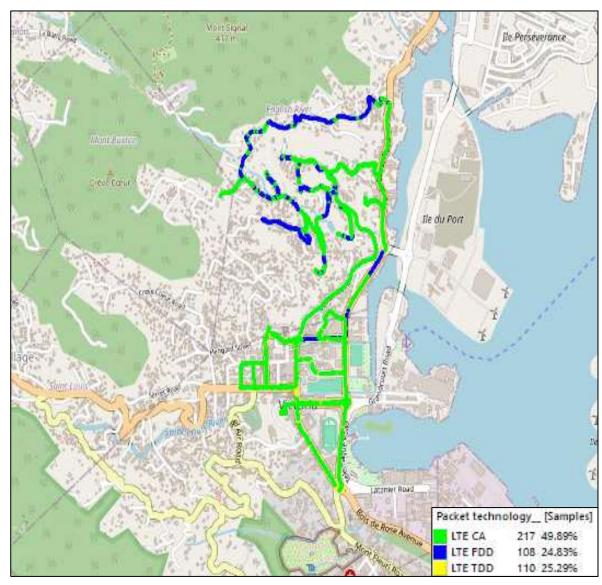




Phase-2 4G PREFERRED DATA TEST - TECHNOLOGY PLOT

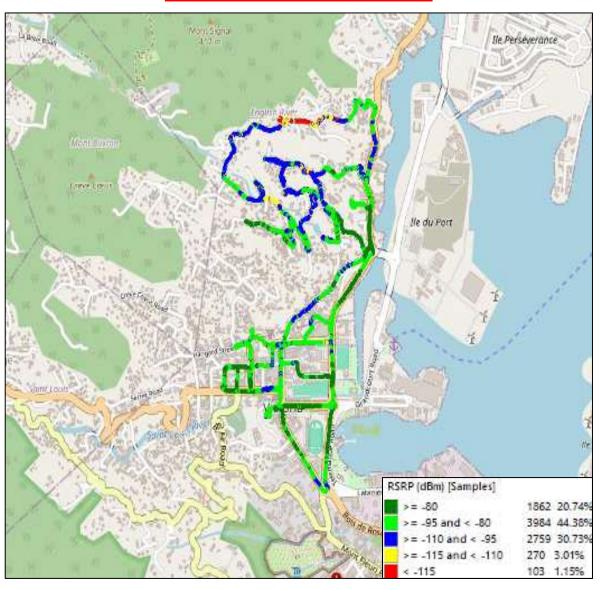
Airtel Data 4G

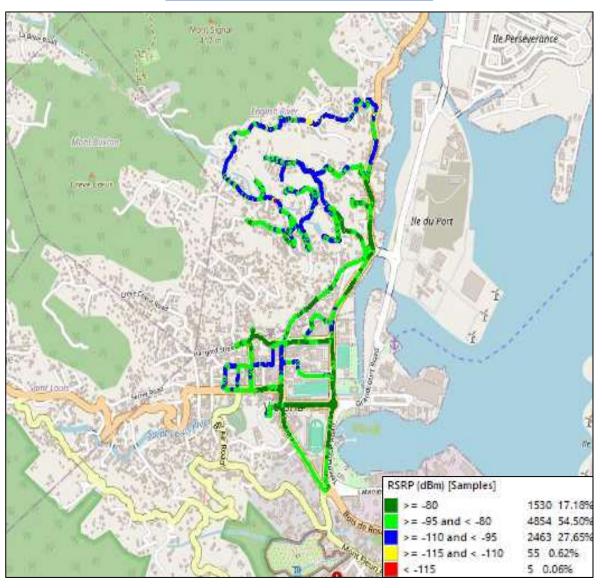




Phase-1 4G PREFERRED DATA TEST - RSRP PLOT

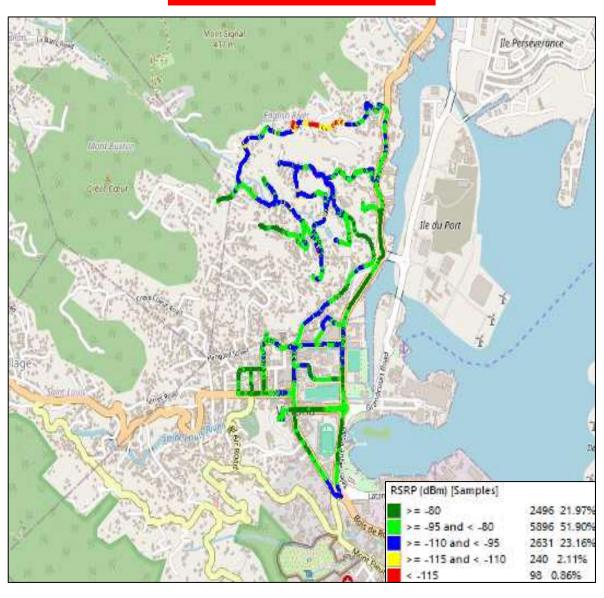
Airtel Data 4G

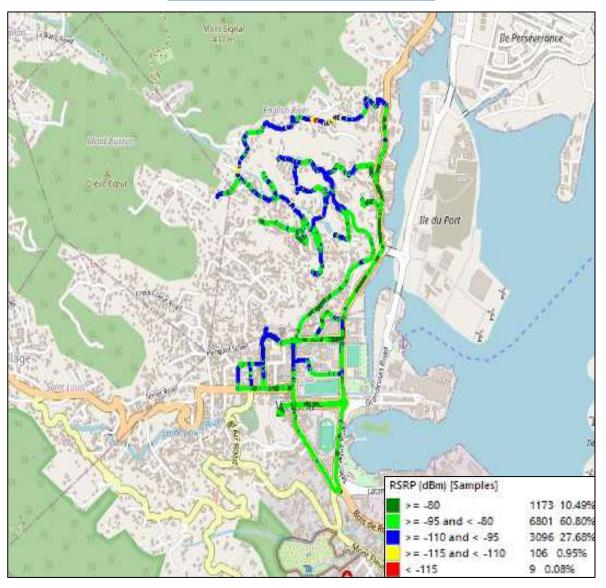




Phase-2 4G PREFERRED DATA TEST - RSRP PLOT

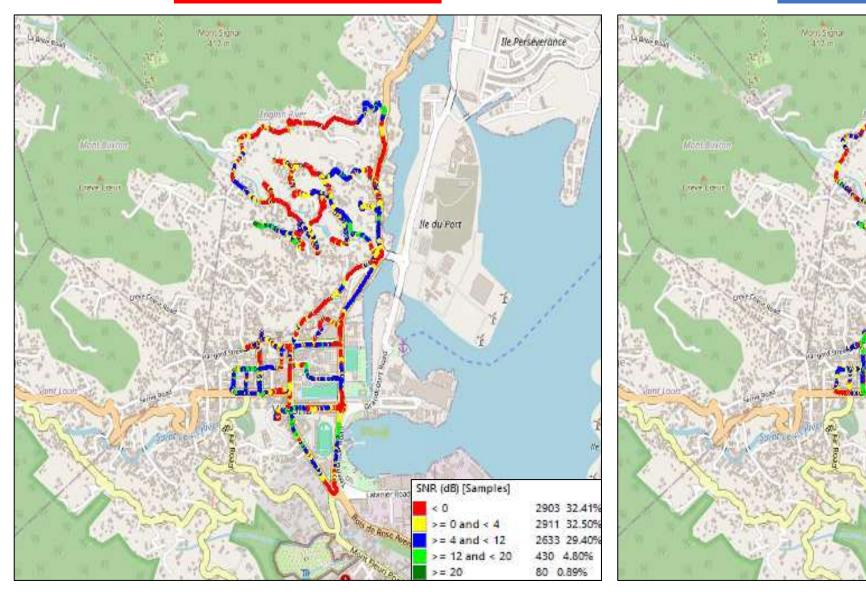
Airtel Data 4G

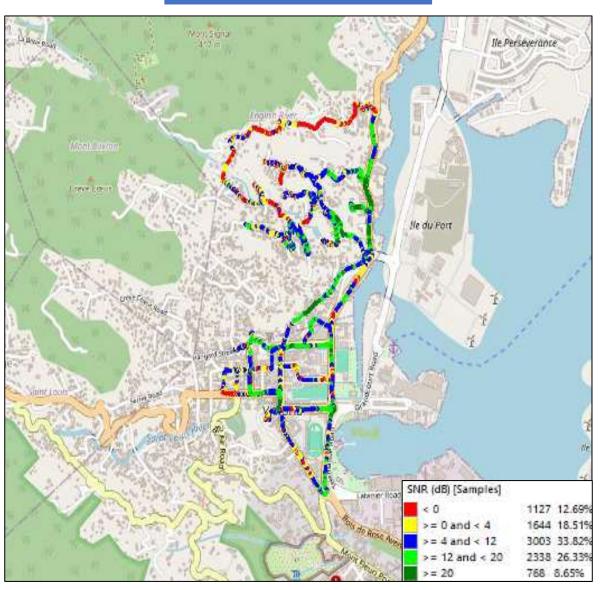




Phase-1 4G PREFERRED DATA TEST - SINR PLOT

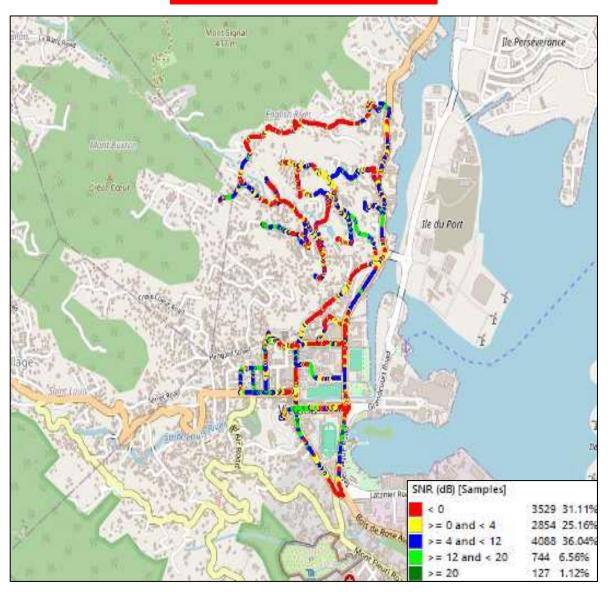
Airtel Data 4G

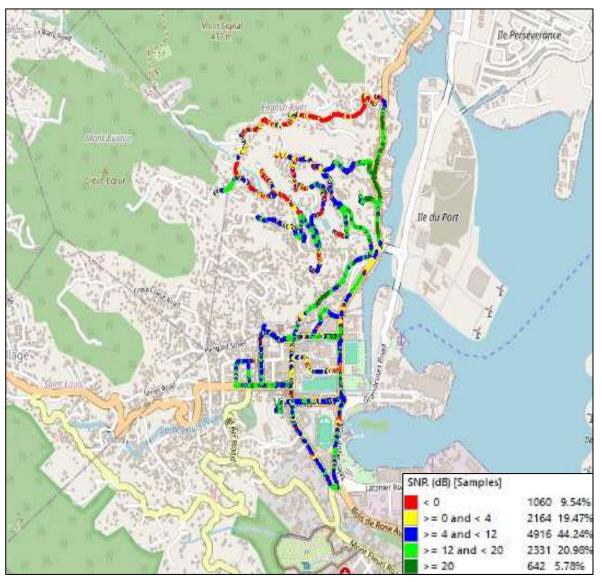




Phase-2 4G PREFERRED DATA TEST - SINR PLOT

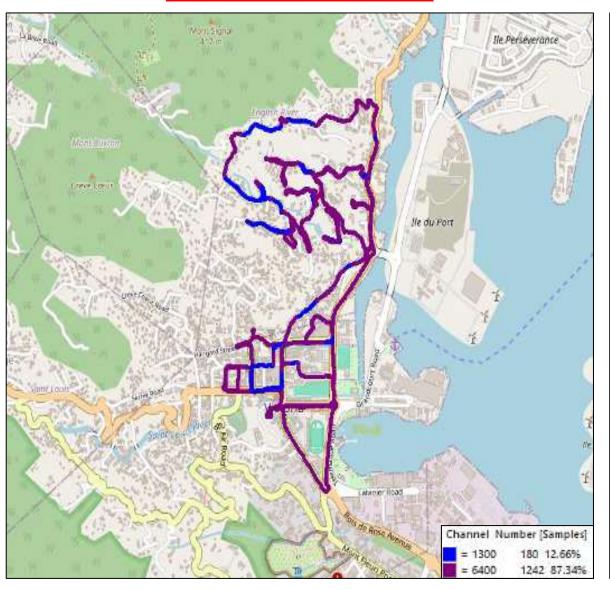
Airtel Data 4G

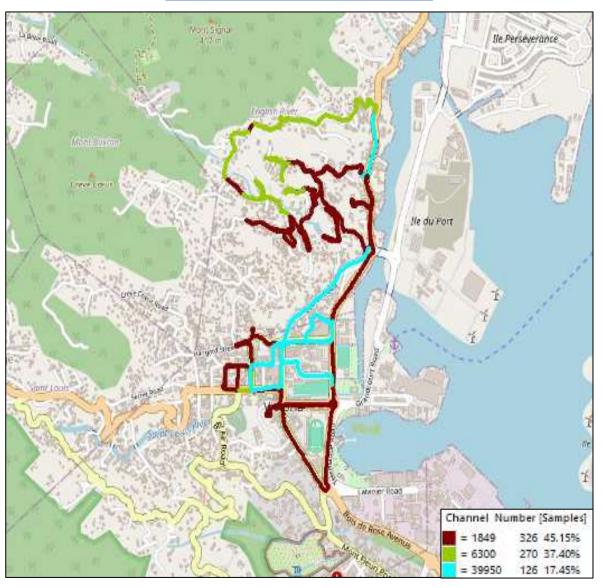




Phase-1 4G PREFERRED DATA TEST - FREQUENCY BAND PLOT

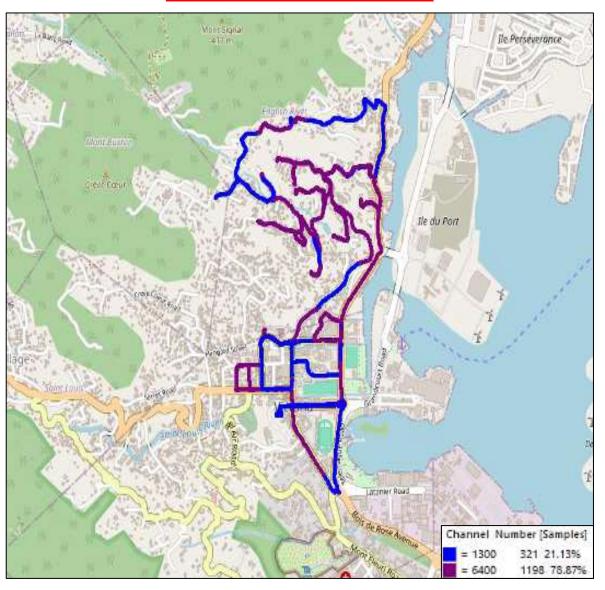
Airtel Data 4G

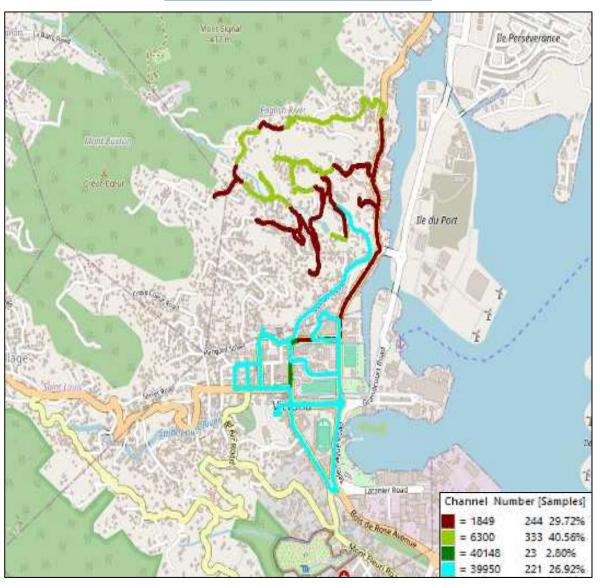




Phase-2 4G PREFERRED DATA TEST - FREQUENCY BAND PLOT

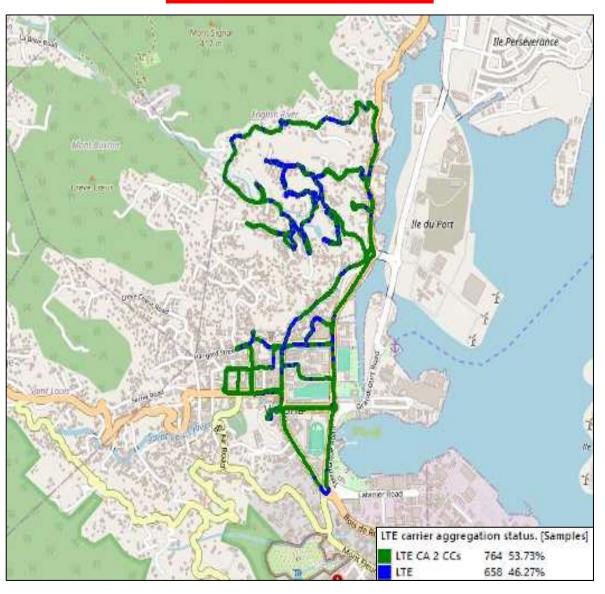
Airtel Data 4G

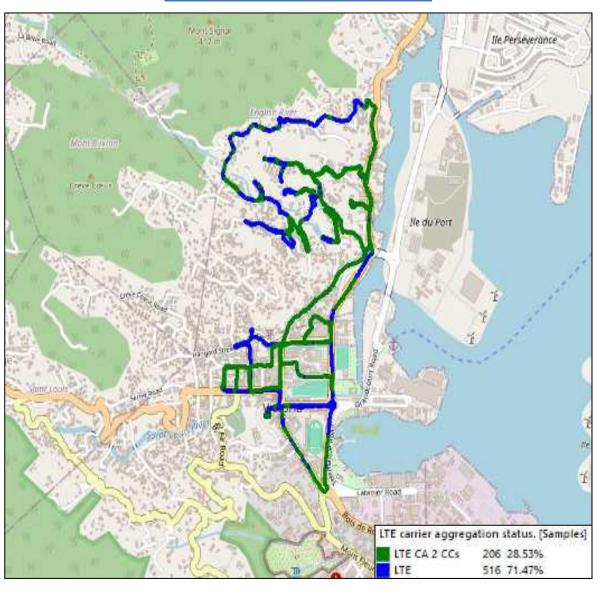




Phase-1 4G PREFERRED DATA TEST - CARRIER AGGREGATION PLOT

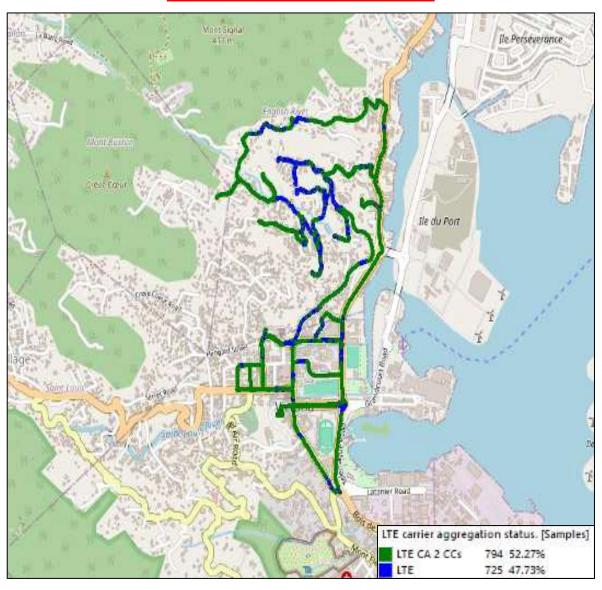


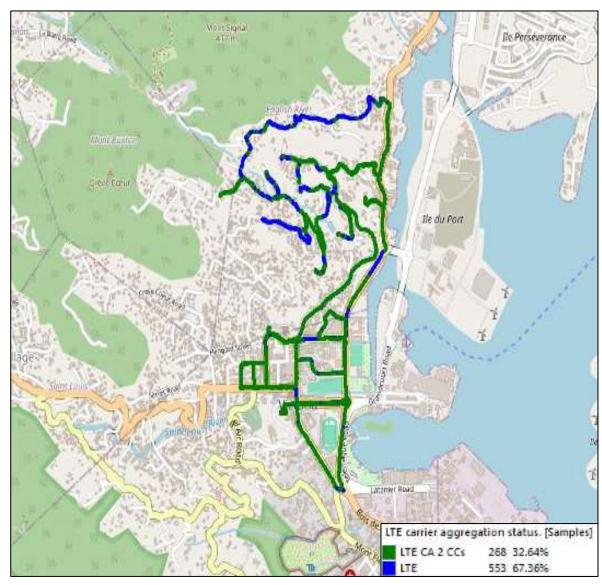




Phase-2 4G PREFERRED DATA TEST - CARRIER AGGREGATION PLOT

Airtel Data 4G

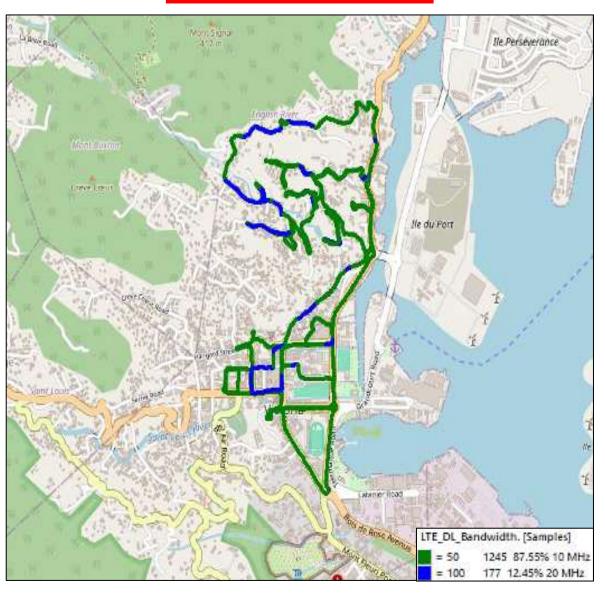


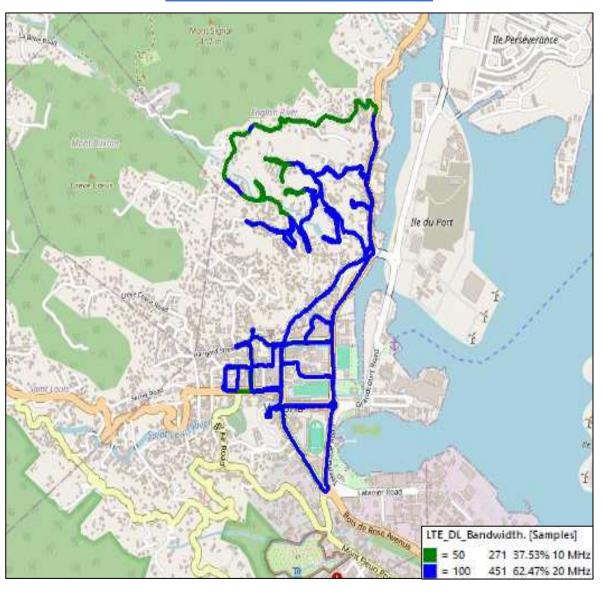




Phase-1 4G PREFERRED DATA TEST – BANDWIDTH PLOT

Airtel Data 4G

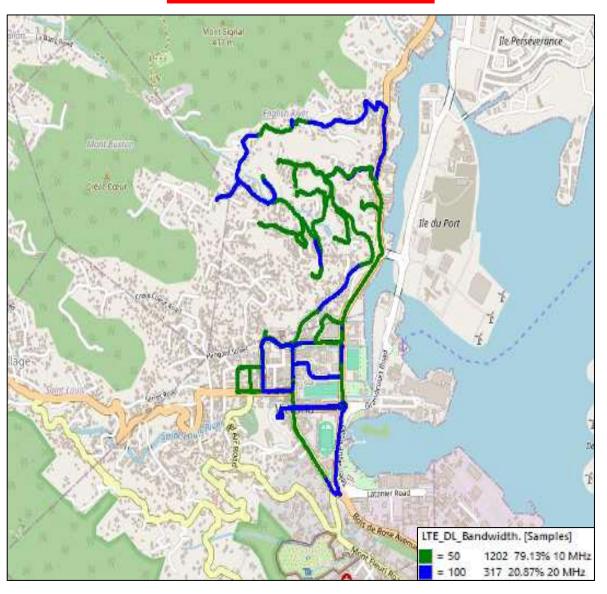


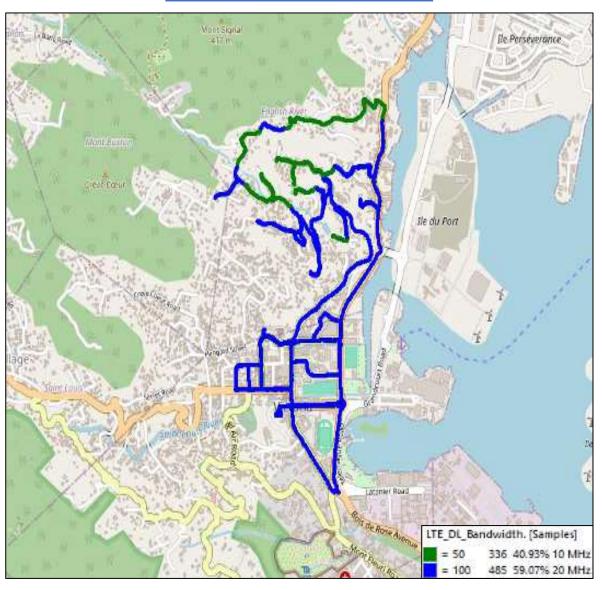




Phase-2 4G PREFERRED DATA TEST – BANDWIDTH PLOT

Airtel 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 Coverage	1			
Poor Quality	1			

Call Attempt Failure cause from CWS	Count
Total Call Attempt Failure	5
Poor Coverage	3
Poor Quality	2

Call Drop cause from Airtel						
Total Call Drop	1					
Poor Quality	1					

Call Drop cause from CWS	Count
Total Call Drop	2
Poor Quality	1
Network End	1



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

	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best act	<u>.</u>		System	Transf. dir.	Time	Subchannel	Message name
1.	9:33:33.675			1116.	11.0324.00114.10321	9:33:27.367	ALC: UNKNOWN		SENTENCE OF SECURIOR SE	-	4228.	UMTS FDD	The Property of the Property of the	9:33:30.379	A STATE OF THE PARTY OF THE PARTY OF	MEASUREMENT_REPORT
2.	10:34:17.685			1117.	-92.5	9:33:27.876					4229.	UMTS FDD		9:33:30.534		MEASUREMENT_REPORT
- 50	Dittermination.		3.5.7.0.	1118.		9:33:27.876			-8.2		4230.	THE RESIDENCE OF THE PARTY OF T	I martined the hypothesis	9:33:30,796		MEASUREMENT_CONTROL
				1119.	-98.8	9:33:28.528				1 1	4231.	And the second of the second of		9:33:30.836	Name and Address of the Owner o	DOWNLINK_DIRECT_TRANSFER
				1120.		9:33:28.528	-	\$250 F011	-13.7		4232.	UMTS FDD	The state of the s	9:33:30.836		MODIFY_PDP_CONTEXT_REQUEST
				1121.	-103.5	9:33:28.948					4233.	UMTS FDD		9:33:30.838		UPLINK_DIRECT_TRANSFER
				1122.	JII Charles	9:33:28.948	3050	31	-18.1		4234.	UMTS FDD	Uplink	9:33:30.838	DCCH	MODIFY_PDP_CONTEXT_ACCEPT
				1123.	-102,8	9:33:29.659	3050	31			4235.	UMTS FDD	Uplink	9:33:31.059	DCCH	MEASUREMENT_REPORT
				1124.	JMP218	9:33:29.659	3050	31	-23.9		4236.	UMTS FDD	Uplink	9:33:31.379	DCCH	MEASUREMENT_REPORT
				1125.	-103.2	9;33:30,314	3050	31			4237.	UMTS FDD	Uplink	9:33:31.499	DCCH	MEASUREMENT_REPORT
				1126.		9:33:30.314	3050	31	-18.7		4238.	UMTS FDD	Uplink	9:33:31.679	DCCH	MEASUREMENT_REPORT
				1127.	-105.8	9:33:30,719	3050	31			4239.	UMTS FDD	Uplink	9:33:31.774	DCCH	MEASUREMENT_REPORT
				1128.		9:33:30.719	3050	31	-19.4		4240.	UMTS FDD	Downlink	9:33:32,075	DCCH	ACTIVE_SET_UPDATE
				1129.	-104.8	9:33:31.315	3050	31			4241.	UMTS FDD	Uplink	9:33:32.107	DCCH	ACTIVE_SET_UPDATE_COMPLETE
				1130.		9:33:31,315	3050	31	-25.4		4242.	UMTS FDD	Downlink	9:33:32.155	DCCH	DOWNLINK_DIRECT_TRANSFER
				1131.	-104.6	9:33:31.561	3050	31			4243.	UMTS FDD	Downlink	9:33:32.155	DCCH	PROGRESS
				1132.	T COLLEGE	9:33:31.561	3050	31	-25.1		4244.	UMTS FDD	Downlink	9:33:32.435	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION
				1133.	-105.5	9:33:32.287	3050	31			4245.	UMTS FDD	Uplink	9:33:32,477	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE
				1134.		9:33:32.287	3050	31	-25.9		4246.	UMTS FDD	Uplink	9:33:32,884	DCCH	MEASUREMENT_REPORT
				1135.	-104.2	9:33:32.826	3050	31			4247.	UMTS FDD	Uplink	9:33:32.899	DCCH	MEASUREMENT_REPORT
				1136.	12.123	9:33:32.826	3050	31	-24.7		4248.	UMTS FDD	Downlink	9:33:33.035	DCCH	MEASUREMENT_CONTROL
				1137.	-106.1	9:33:33.386	3050	31			4249.	UMTS FDD	Downlink	9:33:33.356	DCCH	MEASUREMENT_CONTROL
				1138.	-103.4	9:33:33.786	3050	31			4250.	UMTS FDD	11/07/17/10/20	9:33:33.506		UPLINK_DIRECT_TRANSFER
				1139.	1000000	9:33:33.786	3050	31	-23.9		4251.	UMTS FDD	Uplink	9:33:33.506	DCCH	DISCONNECT
				1140.	-104.2	9:33:34.386	3050	31			4252.	UMTS FDD	Downlink	9:33:33.555	DCCH	ACTIVE_SET_UPDATE
				1141.	pital	9:33:34.386	3050	31	-18.6		4253.	UMTS FDD	Uplink	9:33:33,577	DCCH	ACTIVE_SET_UPDATE_COMPLETE
				1142.	-103	9:33:34.796					4254,	the street of the street of the street				DOWNLINK_DIRECT_TRANSFER
				1143.		9:33:34.796			-16.6		4255.	the first service to be first the	Downlink	9:33:33.675		RELEASE
				1144.	-104.9	9:33:35.376					4256.	UMTS FDD	10 TO	9:33:33.676		UPLINK_DIRECT_TRANSFER
				1145.		9:33:35,376			-25.4		4257.	UMTS FDD	CONTRACTOR OF THE PARTY OF THE	9:33:33.676		RELEASE_COMPLETE
				1146.	-98,1	9:33:35,995					4258.	UMTS FDD	the Range of the State of the S	9:33:33,732		MEASUREMENT_REPORT
				1147.	I MANAGEMENT	9:33:35,995			-13,1		4259.	UMTS FDD	and by the state of the state o	9:33:33.884		MEASUREMENT_REPORT
				1148.	-101.7	9:33:36.358					4260.	A STATE OF THE PARTY OF THE PAR	Downlink	9:33:33.995		MEASUREMENT_CONTROL
				1149.		9:33:36.358			-16.5		4261.	THE RESERVE OF THE PARTY OF THE	Downlink	9:33:34.116		MEASUREMENT_CONTROL
				1150.	-101.9	9:33:36,957					4262.	 Developed the March of Street 		9:33:34.395		PHYSICAL_CHANNEL_RECONFIGURATION
				1151.	-9333	9:33:36.957	-				4263.	UMTS FDD		9:33:34.459		MEASUREMENT_REPORT
				1152.	-106.2	9:33:37.562	3050	477		*	4264.	UMTS FDD	Uplink	9:33:34.796	DCCH	PHYSICAL_CHANNEL_RECONFIGURATION_COMPLETE

Analysis:

- This call failure event occurred on short call at 09:33:33:675 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 31 and RF condition RSCP -104.6 dBm and Ec/No -25.1 dB are very poor.
- As per the analysis call failed happened due to poor coverage & Quality of the network.



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

	Time	System	Serving band	Cal		1. best active RSCP	Time	Ch	SC	1. best active Ec/NO	4	-	System	Transf. dir.	Time	Subchannel	Message name
1/	9:33:33.675	UMTS FDD	900	Not	5748.		10:34:11.379	3050	96	-9.9		23613.	UMTS FDD	Uplink	10:34:06.476	DCCH	ACTIVE_SET_UPDATE_COMPLETE
2.	10:34:17.685	UMTS FDD	900	No	5749.	-91.8	10:34:12,167	3050	96			23614.	UMTS FDD	Downlink	10:34:06.604	DCCH	MEASUREMENT_CONTROL
					5750.		10:34:12.167	3050	96	-13.3		23615.	UMTS FDD	Downlink	10:34:06.884	DCCH	RADIO_BEARER_SETUP
					5751.	-79.7	10:34:12.381	3050	136			23616.	UMTS FDD	Uplink	10:34:07.238	DCCH	RADIO_BEARER_SETUP_COMPLETE
					5752.		10:34:12.381	3050	136	-6.9		23617.	UMTS FDD	Downlink	10:34:07.525	DCCH	RADIO_BEARER_RECONFIGURATION
					5753.	-84.7	10:34:13.067	3050	136			23618.	UMTS FDD	Downlink	10:34:07,565	DCCH	DOWNLINK_DIRECT_TRANSFER
					5754.		10:34:13.067	3050	136	-9.4		23619.	UMTS FDD	Downlink	10:34:07.565	DCCH	PROGRESS
					5755.	-83.8	10:34:13,379	3050	136			23620.	UMTS FDD	Uplink	10:34:07.567	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
					5756.		10:34:13.379	3050	136	-10.2		23621.	UMTS FDD	Uplink	10:34:07.578	DCCH	MEASUREMENT_REPORT
					5757.	-77,6	10:34:14.037	3050	136			23622.	UMTS FDD	Downlink	10:34:08.525	DCCH	MEASUREMENT_CONTROL
					5758.		10:34:14.037	3050	136	-8		23623.	UMTS FDD	Downlink	10:34:08,605	DCCH	SECURITY_MODE_COMMAND
					5759,	-88	10:34:14.566	3050	136			23624.	UMTS FDD	Uplink	10:34:08.605	DCCH	SECURITY_MODE_COMPLETE
					5760.		10:34:14.566	3050	136	-12.2		23625.	UMTS FDD	Uplink	10:34:08.626	DCCH	MEASUREMENT_REPORT
					5761.	-82.1	10:34:15.089	3050	136			23626.	UMTS FDD	Uplink	10:34:08.876	DCCH	MEASUREMENT_REPORT
					5762.		10:34:15.089	3050	136	-7.3		23627.	UMTS FDD	Downlink	10:34:09.005	DCCH	DOWNLINK_DIRECT_TRANSFER
					5763.	-80.9	10:34:15.638	3050	136			23628.	UMTS FDD	Downlink	10:34:09.005	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					5764.		10:34:15,638	3050	136	-6.7		23629.	UMTS FDD	Uplink	10:34:09.007	DCCH	UPLINK_DIRECT_TRANSFER
					5765.	-78.7	10:34:16.195	3050	136			23630.	UMTS FDD	Uplink	10:34:09.007	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					5766.		10:34:16.195	3050	136	-8.5		23631.	UMTS FDD	Downlink	10:34:09.285	DCCH	DOWNLINK_DIRECT_TRANSFER
					5767.	-86.5	10:34:16.635	3050	136			23632.	UMTS FDD	Downlink	10:34:09.285	DCCH	GMM_INFO
					5768.	No. Con	10:34:16.635	3050	136	-13.8		23633.	UMTS FDD	Uplink	10:34:09.318	DCCH	MEASUREMENT_REPORT
					5769.	-89.2	10:34:17.311	3050	136			23634.	UMTS FDD	Uplink	10:34:09.358	DCCH	MEASUREMENT_REPORT
					5770.		10:34:17.311	3050	136	-13.4		23635.	UMTS FDD	Downlink	10:34:09.445	DCCH	SIGNALLING_CONNECTION_RELEASE
					5771.	-77.6	10:34:17.695	3050	136			23636.	UMTS FDD	Uplink	10:34:13.877	DCCH	MEASUREMENT_REPORT
					5772.		10:34:17.695	3050	136	-7.2		23637.	UMTS FDD	Uplink	10:34:14.178	DCCH	MEASUREMENT_REPORT
					5773.	-83.1	10:34:49.656	1056	96			23638.	UMTS FDD	Downlink	10:34:14.405	DCCH	ACTIVE_SET_UPDATE
					5774.	1(50)090	10:34:49.656	10562	96	-8.5		23639.	UMTS FDD	Uplink	10:34:14.436	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					5775.	-79.1	10:34:50.156	10567	96			23640.	UMTS FDD	Downlink	10:34:14.486	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5776.		10:34:50,156	10562	96	-7,2		23641.	UMTS FDD	Downlink	10:34:14.506	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5777.	-87.7	10:34:50.656	10562	96			23642.	UMTS FDD	Downlink	10:34:14.506	BCCH	MASTER_INFORMATION_BLOCK
					5778.		10:34:50.656	10562	96	-12.1		23643.	UMTS FDD	Downlink	10:34:14.526	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5779.	-79.3	10:34:51.157	10562	96			23644.	UMTS FDD	Downlink	10:34:14.546	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5780.		10:34:51.157	1056	96	-7.2		23645.	UMTS FDD	Downlink	10:34:14.546	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_5
					5781.	-81.4	10:34:51.657	10562	96			23646.	UMTS FDD	Downlink	10:34:14.566	BCCH_BCH	SYSTEM_INFORMATION_BCH
					5782.		10:34:51.657	10562	96	-9.5		23647.	UMTS FDD	Downlink	10:34:14.566	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_12
					5783.	-82.2	10:34:52,295	10562	96			23648.	UMTS FDD	Downlink	10:34:14.586	BCCH_BCH	SYSTEM_INFORMATION_BCH

Analysis:

- This call failure event occurred on short call at 10:34:17:685 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 136 and RF condition RSCP -89.2 dBm and Ec/No -13.4 dB both are good.
- Need to check MT End.



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

2	Time	Band	Band (MHz)	Ch	PCI	RSRP	SNR	*		Event ID	System	Transf. dir.	Time	Subchannel	Message name
8516.	10:33:56.603	B20	800	6400	190	-93.8	H100000		22116.	RRCSM	LTE FDD	Uplink	10:33:57.69	DCCH	MeasurementReport
8517.	10:33:56.603						-5		22117.	RRCSM	LTE FDD	Uplink	10:33:58.010	DCCH	MeasurementReport
8518.	10:33:57.143	B20	800	6400	190	-94.4			22118.	RRCSM	LTE FDD	Uplink	10:33:58.050	DCCH	MeasurementReport
8519.	10:33:57,143						4.2		22119.	RRCSM	LTE FDD	Downlink	10:33:58.25	DCCH	RRCConnectionReconfiguration
8520,	10:33:57.651	B20	800	6400	190	-96.1	0.00		22120.	RRCSM	LTE FDD	Uplink	10;33:58.26	DCCH	RRCConnectionReconfigurationComplete
8521.	10:33:57.651						-5.8		22121.	RRCSM	LTE FDD	Downlink	10:33:58.33	BCCH-SCH	SystemInformationBlockType1
8522.	10:33:58.151	B20	800	6400	190	-97.9			22122.	RRCSM	LTE FDD	Downlink	10:33:58.38	BCCH-SCH	SystemInformation - SIB2, SIB3
8523.	10:33:58.151						-6.3		22123.	RRCSM	LTE FDD	Downlink	10:33:58.41-	DCCH	RRCConnectionReconfiguration
8524.	10:33:58.598	B20	800	6400	141	-94,4			22124.	RRCSM	LTE FDD	Uplink	10:33:58.419	DCCH	RRCConnectionReconfigurationComplete
8525.	10:33:58.598			Anna Was			-5.8		22125.	RRCSM	LTE FDD	Uplink	10:33:58.46	DCCH	MeasurementReport
8526.	10:33:59.189	B20	800	6400	141	-92.7			22126.	RRCSM	LTE FDD	Uplink	10:33:58.46	DCCH	MeasurementReport
8527.	10:33:59.189						-7.8		22127.	RRCSM	LTE FDD	Downlink	10:33:58.48	DCCH	RRCConnectionReconfiguration
8528.	10:33:59.762	B20	800	6400	141	-91.9			22128.	RRCSM	LTE FDD	Uplink	10:33:58.48	DCCH	RRCConnectionReconfigurationComplete
8529.	10:33:59.762						-8.3		22129.	RRCSM	LTE FDD	Downlink	10:33:58.50	DCCH	RRCConnectionReconfiguration
8530.	10:34:00.314	B20	800	6400	190	-89	Alice Market		22130.	RRCSM	LTE FDD	Uplink	10:33:58.51	DCCH	RRCConnectionReconfigurationComplete
8531.	10:34:01.297	B20	800	6400	190	-91.8			22131.	RRCSM	LTE FDD	Downlink	10:34:00.04	BCCH-BCH	MasterInformationBlock
8532.	10:34:01.297						-2.8		22132.	RRCSM	LTE FDD	Downlink	10:34:00.10	BCCH-SCH	SystemInformationBlockType1
8533.	10:34:02,478	B20	800	6400	190	-90.8			22133.	RRCSM	LTE FDD	Downlink	10:34:00.10	BCCH-SCH	SystemInformation - SIB2, SIB3
8534.	10:34:02.478	10000					-6.2		22134.	RRCSM	LTE FDD	Uplink	10:34:00.11	CCCH	RRCConnectionReestablishmentRequest
8535.	10:34:03.759	B20	800	6400	190	-93,1			22135.	L3SM	LTE FDD	Uplink	10:34:01.15		TRACKING_AREA_UPDATE_REQUEST
8536.	10:34:03:759						-11.4		22136.	RRCSM	LTE FDD	Uplink	10:34:01.15	CCCH	RRCConnectionRequest
8537.	10:34:05.377	B20	800	6400	19	-86.3			22137.	RRCSM	LTE FDD	Downlink	10:34:01.20	CCCH	RRCConnectionSetup
8538.	10:34:05.377						-7.9		22138.	RRCSM	LTE FDD	Uplink	10:34:01.21	DCCH	RRCConnectionSetupComplete
8539.	10:34:06.378	B20	800	6400	19	-88.4			22139.	RRCSM	LTE FDD	Downlink	10:34:01.24	DCCH	DLInformationTransfer
8540.	10:34:06.378						-0.5		22140.	RRCSM	LTE FDD	Downlink	10:34:01.24	DCCH	RRCConnectionRelease
8541.	10:34:07.379	B20	800	6400	19	-85.9			22141.	L3SM	LTE FDD	Downlink	10:34:01.24		TRACKING_AREA_UPDATE_ACCEPT
8542.	10:34:07,379						2.8		22142.	RRCSM	LTE FDD	Downlink	10:34:05.02	BCCH-SCH	SystemInformationBlockType1
8543.	10:34:08.640	B20	800	6400	19	-83.6			22143.	RRCSM	LTE FDD	Downlink	10:34:05.07	BCCH-SCH	SystemInformation - SIB2, SIB3
8544.	10:34:08.640						4.1		22144.	RRCSM	LTE FDD	Downlink	10:34:05.24	BCCH-SCH	SystemInformation - SIB6
8545.	10:34:09.978	B20	800	6400	19	-85.5			22145.	RRCSM	LTE FDD	Downlink	10:34:05.96	PCCH	Paging
8546.	10:34:09.978						2.8		22146.	RRCSM	LTE FDD	Downlink	10:34:09.80	PCCH	Paging
8547.	10:34:11.379	B20	800	6400	19	-84.3	12.04		22147.	RRCSM	LTE FDD	Downlink	10:34:12.404	PCCH	Paging
8548.	10:34:11.379						7.5		22148.	RRCSM	LTE FDD	Downlink	10:34:18.76	PCCH	Paging
8549.	10:34:12.578	B20	800	6400	19	-83,4		-	22149.	RRCSM	LTE FDD	Downlink	10:34:21.32	PCCH	Paging
8550.	10:34:12.578						7.8		22150.	RRCSM	LTE FDD	Downlink	10:34:34.12	PCCH	Paging
8551.	10:34:13.653	B20	.800	6400	19	-84.1			22151.	RRCSM	LTE FDD	Downlink	10:34:35.40	PCCH	Paging
8552.	10:34:13.653						7.8		22152.	L3SM	LTE FDD	Uplink	10:34:42.19		SERVICE_REQUEST
8553.	10:34:15.763	B20	800	6400	19	-84.1		*	22153.	RRCSM	LTE FDD	Uplink	10:34:42.19	CCCH	RRCConnectionRequest

- On MT End, During the setup fail, UE was latched with PCI 190 and RF condition RSRP -93.1 dBm is good but SINR -11.4 dB was poor.
- As per the analysis call failure happened due to Poor quality of the network.



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

	Time	System	Serving band	Call		1. best active RSCP	Time	Ch	SC	1. best	4		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1.	9:32:43.687	ASSESSMENT OF THE PARTY NAMED IN	of the latest designation of the latest desi	Drop	952.		9:31:59.617		man (with the	and the property of the last o		2818.	-		-			SYSTEM_INFORMATION_BCH
2,	9:34:12.577	1111111111111111	100000000000000000000000000000000000000	Norn	Total Control	-92.5	9:32:00.167	10690	218			2819.		the second of the second of the	**************************************	9:32:30.433	-	SYSTEM_INFORMATION_BLOCK_TYPE_2
3.	9:45:31.823	and the last of th	1000	Drop	954.	1000	9:32:00.167	10690		-10		2820.	And in case of February	high the street of the first control of the		9:32:30.433		SYSTEM_INFORMATION_BLOCK_TYPE_3
4,	9:49:24.637	UMTS FDD	2100	Drop	955.	-109.5	9:32:30.377	10690	122			2821.		Company of the Company		9:32:30.573		SYSTEM_INFORMATION_BCH
5,	9:50:09.282	UMTS FDD	2100	Drop	956.		9:32:30.377	10690	122	-19,5		2822.	RRCSM	UMTS FDD	Downlink	9:32:30.573	BCCH	MASTER_INFORMATION_BLOCK
				Alto-control	957.	-109.1	9:32:30.630	10690	122		=/	2823.	RRCSM	UMTS FDD	Downlink	9:32:30.573	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7
					958.		9:32:30.630	10690	122	-20.1	٦	2824.	RRCSM	UMTS FDD	Downlink	9:32:30.577	CCCH	RRC_CONNECTION_SETUP
					959.	-103.6	9:32:31.318	10690	122			2825.	RRCSM	UMTS FDD	Uplink	9:32:30.631	DCCH	RRC_CONNECTION_SETUP_COMPLETE
					960.	0.00	9:32:31.318	10690	122	-15.8		2826.	RRCSM	UMTS FDD	Uplink	9:32:30.632	DCCH	INITIAL_DIRECT_TRANSFER
					961.	-104.5	9:32:31.598	10690	202			2827.	L3SM	UMTS FDD	Uplink	9:32:30.632	DCCH	CM_SERVICE_REQUEST
					962.		9:32:31.598	10690	202	-16		2828.	RRCSM	UMTS FDD	Uplink	9:32:30.632	DCCH-	INITIAL_DIRECT_TRANSFER
					963.	-106.8	9:32:32.352	10690	122			2829.	L3SM	UMTS FDD	Uplink	9:32:30.632	DCCH	ROUTING_AREA_UPDATE_REQUEST
					964.		9:32:32.352			-18.2		2830.	RRCSM			9:32:30.934	DCCH	MEASUREMENT_CONTROL
					965.	-105.9						2831.	RRCSM	UMTS FDD		9:32:30.944		SECURITY_MODE_COMMAND
					966.					-16.8		2832.	RRCSM	UMTS FDD	Uplink	9:32:30.945	DCCH	SECURITY_MODE_COMPLETE
					967.	-104.8	9:32:33.356					2833.	NEW YORK STREET	UMTS FDD	Water Street,	9:32:31.016		UPLINK_DIRECT_TRANSFER
					968.	10.070	9:32:33.356		_	ACRES OF THE PARTY		2834.	L3SM	UMTS FDD	Uplink	9:32:31.016	DCCH	SETUP
					969.	-102.1	9:32:34.079	_	_			2835.	the Wilderston	a Colombia de la Colombia		9:32:31.055		DOWNLINK_DIRECT_TRANSFER
					970.		9:32:34.079			-14		2836.	L3SM			9:32:31.055		TMSI_REALLOCATION_COMMAND
					971.	-102.2	9:32:34.554					2837.		UMTS FDD		9:32:31.056		UPLINK_DIRECT_TRANSFER
				- 1	972.		9:32:34.554			-14.5		2838.	L3SM	UMTS FDD	Cole and the second	9:32:31.056	DCCH	TMSI_REALLOCATION_COMPLETE
					973.	-107.8	9:32:35.076	THE PERSON NAMED IN				2839.	CONTROL OF	UMTS FDD	The state of the s	9:32:31.179		MEASUREMENT_REPORT
				- 1	974.		9:32:35.076			-17.8		2840.	_			9:32:31.184	-	DOWNLINK_DIRECT_TRANSFER
					975.	-108.4	9:32:35,576				١,	2841.	L3SM	Address of the second second		9:32:31,184	p.1-2.21.11.1	CALL_PROCEEDING
].	976.	20000	9:32:35.576			-18.7		2842.	received the frequency of the	UMTS FDD		9:32:31.259		MEASUREMENT_REPORT
					977.	-107.2	9:32:36.076		-			2843.	120000000000000000000000000000000000000	UMTS FDD		9:32:31.394	the Contractor	ACTIVE_SET_UPDATE
					978.	1000	9:32:36.076			-16.4		2844.		UMTS FDD		9:32:31.416		ACTIVE_SET_UPDATE_COMPLETE
					979.	-109.1	9:32:36.640					2845.	RRCSM	UMTS FDD		9:32:31.514		MEASUREMENT_CONTROL
					980.		9:32:36.640			-18.7		2846.	and file on a little and the	UMTS FDD	the total of the party of the last	9:32:31.579		MEASUREMENT_REPORT
					981.	-108.3	9:32:37.098					2847.	\$100 Processing	UMTS FDD	New York	9:32:33.260		MEASUREMENT_REPORT
					982.		9:32:37.098	10690		-16.2		2848.	C-0200000000000000000000000000000000000	UMTS FDD	100 THE RESERVE TO TH	9:32:34.519		MEASUREMENT_REPORT
					983.	-111.3	9:32:37.587	10690				2849.	Maria Lor, Almanda Mila	UMTS FDD	A TOUT AND A STREET	9:32:34.915		MEASUREMENT_REPORT
					984,	100.1	9:32:37.587	10690		-19.5		2850.	M 178/00/2/383	UMTS FDD		9:32:35.312		MEASUREMENT_REPORT
					985.	-108.1	9:32:38.330			16.4		2851.	EXTYGRE ROTTINI	UMTS FDD		9:32:35.712		MEASUREMENT_REPORT
					986.	107.1	9:32:38.330 9:32:38.584			-16.4		2852.	March Street, Deleting			9:32:35.944		ACTIVE_SET_UPDATE
					987.	-107.1	9:32:38.584			16.7	21	2853.	#050m021/020mm	UMTS FDD	100 Control (100 C	9:32:35.976		ACTIVE_SET_UPDATE_COMPLETE DOWNLINK_DIRECT_TRANSFER
					MAN		93738384	HIRMIT	707	-ib (*	/854	MAY ZIV	TIMES FOR	Howmink	and make take	THE PE	LILINGE BULL TOWARDS FEW

- This call failure event occurred on short call at 09:32:43:687 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 202 and RF condition RSCP -104.8 dBm and Ec/No -16.4 dB are very poor.
- As per the analysis call failed happened due to poor coverage & Quality of the network.



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

	Time	System	Serving band	Call		1. best active RSCP	Time	Ch	SC	1. bes: ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1,	9:32:43.687	UMTS FDD	2100	Drop	1102.		9:34:07.372	10690	50	-7.7	3226.	RRCSM	UMTS FDD	Downlink	9:34:00.037	DCCH	DOWNLINK_DIRECT_TRANSFER
2,	9:34:12.577	UMTS FDD	2100	Norn	1103.	-89.6	9:34:07.969	10690	122		3227.	L3SM	UMTS FDD	Downlink	9:34:00.037	DCCH	TMSI_REALLOCATION_COMMAND
3,	9:45:31.823	UMTS FDD	2100	Drop	1104.		9:34:07.969	10690	122	-8.8	3228.	RRCSM	UMTS FDD	Uplink	9:34:00.038	DCCH	UPLINK_DIRECT_TRANSFER
4.	9:49:24.637	UMTS FDD	2100	Drop	1105.	-94.7	9:34:08.395	10690	122		3229.	L3SM	UMTS FDD	Uplink	9:34:00.038	DCCH	TMSI_REALLOCATION_COMPLETE
5,	9:50:09.282	UMTS FDD	2100	Drop	1106.		9:34:08.395	10690	122	-10.7	3230.	RRCSM	UMTS FDD	Downlink	9:34:00.167	DCCH	DOWNLINK_DIRECT_TRANSFER
					1107.	-95.8	9:34:09.034	10690	122		3231.	L3SM	UMTS FDD	Downlink	9:34:00.167	DCCH	CALL_PROCEEDING
					1108.		9:34:09.034	10690	122	-10.4	3232.	RRCSM	UMTS FDD	Uplink	9:34:00.221	DCCH	MEASUREMENT_REPORT
					1109.	-93.6	9:34:09.451	10690	122		3233.	RRCSM	UMTS FDD	Downlink	9:34:00.337	DCCH	ACTIVE_SET_UPDATE
					1110.		9:34:09.451	10690	122	-8.7	3234.	RRCSM	UMTS FDD	Uplink	9:34:00.349	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					1111.	-96.2	9:34:09.969	10690	122		3235.	RRCSM	UMTS FDD	Downlink	9:34:00.447	DCCH	MEASUREMENT_CONTROL
					1112.		9:34:09.969	10690	122	-10.7	3236.	RRCSM	UMTS FDD	Downlink	9:34:01.738	DCCH	RADIO_BEARER_SETUP
					1113.	-94.8	9:34:10.531	10690	122		3237.	RRCSM	UMTS FDD	Uplink	9:34:01.971	DCCH	RADIO_BEARER_SETUP_COMPLETE
					1114.		9:34:10.531	10690	122	-10.4	3238.	RRCSM	UMTS FDD	Downlink	9:34:02.217	DCCH	MEASUREMENT_CONTROL
					1115.	-98.1	9:34:10.876	10690	122		3239.	RRCSM	UMTS FDD	Downlink	9:34:02.257	DCCH	MEASUREMENT_CONTROL
					1116.		9:34:10.876	10690	122	-12.3	3240.	RRCSM	UMTS FDD	Downlink	9:34:02.297	DCCH	MEASUREMENT_CONTROL
					1117.	-98	9:34:11.572	10690	122		3241.	RRCSM	UMTS FDD	Downlink	9:34:02.337	DCCH	MEASUREMENT_CONTROL
					1118.		9:34:11.572	10690	122	-14.5	3242.	RRCSM	UMTS FDD	Downlink	9:34:02.497	DCCH	DOWNLINK_DIRECT_TRANSFER
					1119.	-93.7	9:34:12.242	10690	50		3243.	L3SM	UMTS FDD	Downlink	9:34:02.497	DCCH	AUTHENTICATION_AND_CIPHERING_REQ
					1120.		9:34:12.242	10690	50	-11.9	3244.	RRCSM	UMTS FDD	Uplink	9:34:02.536	DCCH	UPLINK_DIRECT_TRANSFER
					1121.	-93.5	9:34:12.584	10690	50		3245.	L3SM	UMTS FDD	Uplink	9:34:02.536	DCCH	AUTHENTICATION_AND_CIPHERING_RES
					1122.		9:34:12.584	10690	50	-12.8	3246.	RRCSM	UMTS FDD	Downlink	9:34:03.017	DCCH	SECURITY_MODE_COMMAND
					1123.	-85	9:34:13.053	10690	50		3247.	RRCSM	UMTS FDD	Uplink	9:34:03.018	DCCH	SECURITY_MODE_COMPLETE
					1124.		9:34:13.053	10690	50	-8.4	3248.	RRCSM	UMTS FDD	Downlink	9:34:03.537	DCCH	DOWNLINK_DIRECT_TRANSFER
					1125.	-87.9	9:34:13.588	10690	122		3249.	L3SM	UMTS FDD	Downlink	9:34:03.537	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					1126.		9:34:13.588	10690	122	-8	3250.	RRCSM	UMTS FDD	Uplink	9:34:03.539	DCCH	UPLINK_DIRECT_TRANSFER
					1127.	-106	9:34:14.354	10690	90		3251.	L3SM	UMTS FDD	Uplink	9:34:03.539	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					1128.	-80.6	9:34:43.770	10715	50		3252.	RRCSM	UMTS FDD	Uplink	9:34:03.545	DCCH	MEASUREMENT_REPORT
					1129.		9:34:43.770	10715	50	-3.9	3253.	RRCSM	UMTS FDD	Uplink	9:34:03.653	DCCH	MEASUREMENT_REPORT
					1130.	-82.7	9:34:44.028	10715	50		3254.	RRCSM	UMTS FDD	Uplink	9:34:04.760	DCCH	MEASUREMENT_REPORT
					1131.		9:34:44.028	10715	50	-6.6	3255.	RRCSM	UMTS FDD	Uplink	9:34:12.068	DCCH	MEASUREMENT_REPORT
					1132.	-79.4	9:34:44.475	10715	50		3256.	RRCSM	UMTS FDD	Uplink	9:34:12.096	DCCH	UPLINK_DIRECT_TRANSFER
					1133.		9:34:44.475	10715	50	-4.9	3257.	L3SM	UMTS FDD	Uplink	9:34:12.096	DCCH	DISCONNECT

- This call failure event occurred on short call at 09:34:12:577 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 50 and RF condition RSCP -93.7 dBm and Ec/No -11.9 dB are very good.
- Need to check MT End.



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

	Time	RxLev sub	ARFCN	BSIC	Č1	C2	LAC	RAC	RXQ sub	*		Event ID	System	Transf. dir.	Time	Subchannel	Message name
107.	9:33:36.869	-87	15	30	19	19	1	0			3266.	RRCSM	LTE TOD	Downlink	9:34:03.835	PCCH	Paging
108.	9:33:37,428	-87	15	30	19	19	1	0			3267.	RRCSM	LTE TOD	Downlink	9:34:04.518	DCCH	DLInformationTransfer
109.	9:33:38,042	-86	15	30	20	20	1	0			3268.	L3SM	LTE TOD	Downlink	9:34:04.519		CS_SERVICE_NOTIFICATION
110.	9:33:38.518	-86	15	30	20	20	1	0			3269.	L3SM	LTE TOD	Uplink	9:34:04.519		EXTENDED_SERVICE_REQUEST
111.	9:33:38,991						1	0			3270.	RRCSM	LTE TDD	Uplink	9:34:04.520	DCCH	ULInformationTransfer
112.	9:33:40.109	-83	15	30	23	23	1	0			3271.	RRCSM	LTETDD	Downlink	9:34:04.540	DCCH	RRCConnectionReconfiguration
113.	9:33:40.874	-83	15	30	23	23	1	0		-	3272.	RRCSM	LTETDD	Uplink	9:34:04.543	DCCH	RRCConnectionReconfigurationComplete
114.	9:33:41,460						1	0			3273.	RRCSM	LTE TOD	Uplink	9:34:05.157	DCCH	MeasurementReport
115.	9:33:41.949	-82	15	30	24	24	1	0			3274.	RRCSM	LTE TOD	Uplink	9:34:05.812	DCCH	MeasurementReport
116.	9:33:43.287	-83	15	30	23	23	1	0		П	3275.	RRCSM	LTE TOD	Downlink	9:34:05.848	DCCH	RRCConnectionRelease
117.	9:33:43.699	-83	15	30	23	23	1	0			3276.	L3SM	GSM	Downlink	9:34:06.789	BCCH	SYSTEM_INFORMATION_TYPE_3
118.	9:34:07.770								7		3277,	L3SM	GSM	Downlink	9:34:07.028	BCCH	SYSTEM_INFORMATION_TYPE_4
119.	9:34:08.241								0		3278.	L3SM	GSM	Downlink	9:34:07.263	BCCH	SYSTEM_INFORMATION_TYPE_1
120.	9:34:08.283	-85	19	32			1				3279.	L3SM	GSM	Uplink	9:34:07.273	DCCH	LOCATION_UPDATING_REQUEST
121.	9:34:08.711								0		3280.	L3SM	GSM	Downlink	9:34:07.506	BCCH	SYSTEM_INFORMATION_TYPE_2
122.	9:34:09.182								0		3281.	L3SM	GSM	Downlink	9:34:07.524	CCCH	IMMEDIATE_ASSIGNMENT
123.	9:34:09.282	-84	19	32			1				3282.	L3SM	GSM	Uplink	9:34:07.738	DCCH	CLASSMARK_CHANGE
124.	9:34:09.653								3		3283.	L3SM	GSM	Uplink	9:34:07.738	DCCH	UTRAN_CLASSMARK_CHANGE
125.	9:34:09.768	-86	19	32			1				3284.	L3SM	GSM	Uplink	9:34:07.738	DCCH	GPRS_SUSPENSION_REQUEST
126.	9:34:10.124								6		3285.	L3SM	GSM	Uplink	9:34:07.770	SACCH	MEASUREMENT_REPORT
127,	9:34:10.356	-89	19	32			1				3286.	L3SM	GSM	Downlink	9:34:07.885	SACCH	SYSTEM_INFORMATION_TYPE_5
128.	9:34:10.594								0		3287.	L3SM	GSM	Downlink	9:34:07.973	DCCH	IDENTITY_REQUEST
129.	9:34:10.798	-84	19	32			1				3288.	L3SM	GSM	Uplink	9:34:07.973	DCCH	IDENTITY_RESPONSE
130.	9:34:11.536	-84	19	32			1				3289.	L3SM	GSM	Downlink	9:34:08.208	DCCH	CLASSMARK_ENQUIRY
131.	9:34:11,536								7		3290.	L3SM	GSM	Uplink	9:34:08.208	DCCH	CLASSMARK_CHANGE
132.	9:34:12.007	-85	19	32			1				3291.	L3SM	GSM	Uplink	9:34:08.209	DCCH	UTRAN_CLASSMARK_CHANGE
133.	9:34:12.007								4		3292.	L3SM	GSM	Uplink	9:34:08.241	SACCH	MEASUREMENT_REPORT
134.	9:34:12.478								0		3293.	L3SM	GSM	Downlink	9:34:08.356	SACCH	SYSTEM_INFORMATION_TYPE_STER
135.	9:34:12.593	-79	19	32			1				3294.	L3SM	GSM	Downlink	9:34:08.444	DCCH	IDENTITY_REQUEST
136.	9:34:13.131										3295.	L3SM	GSM	Uplink	9:34:08.444	DCCH	IDENTITY_RESPONSE
137.	9:34:14.773	-83	19	32	23	23	1	0			3296.	L3SM	GSM	Uplink	9:34:08.711	SACCH	MEASUREMENT_REPORT
138.	9:34:15,355	-83	19	32	23	23	1	Ō			3297.	L3SM	GSM	Downlink	9:34:08.827	SACCH	SYSTEM_INFORMATION_TYPE_6
139.	9:34:15.687	-84	19	32	22	22	1	0			3298.	L3SM	GSM	Uplink	9:34:09.182	SACCH	MEASUREMENT_REPORT
140.	W12-0-21-12-20-0-11		19	32			1	0			3299.	L3SM	GSM	Downlink	9:34:09.297		MEASUREMENT_INFORMATION
141,	9:34:16.892	-86	19	32	20	20	1	0			3300.	L3SM	GSM	Uplink	9:34:09.653	SACCH	MEASUREMENT_REPORT
142.	9:34:17.446	-86	19	32	20	20	1	0			3301.	L3SM	GSM	Downlink	9:34:09.768	SACCH	MEASUREMENT_INFORMATION

- On MT End, During the setup fail UE, was latched with ARFCN 19 and RF condition Rx Lev -19 dBm is good but Rx Qual 7 dB is poor.
- As per the analysis call failed happened due to poor quality of the network.



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

	1 200	22 1	200000000000000000000000000000000000000	1041400		I PROPERTY OF THE	- 20			112000000000		IPENNIEVEN	200	E TOTAL CONTRACTOR		120000000000000000000000000000000000000	**************************************
	Time		Serving band	to be business of the		1. best active RSCP	Time	Ch		1. bes 🔺		Event ID		Transf. dir.		Subchannel	Message name
1,	9:32:43.687			Notice To	1892.	Water and the same of the same	9:45:23.955			-11.8	6695.	RRCSM	UMTS FDD	Maria Carlo and Artistan	9:45:19.385		UPLINK_DIRECT_TRANSFER
2.	9:34:12.577			Norn	1893.	-84.5	9:45:24.348				6696.	L3SM	UMTS FDD	S-1-75-10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	9:45:19.385	The state of the s	SETUP
3.	9:45:31.823			Drop	1894.	- 2000	9:45:24.348			-13.6	6697.	100000000000000000000000000000000000000			9:45:19.434		DOWNLINK_DIRECT_TRANSFER
4.	9:49:24.637				1895.	-85.7	9:45:24.952	10000		20000	6698.	L3SM			9:45:19.434		TMSI_REALLOCATION_COMMAND
5.	9:50:09.282	UMTS FDD	2100	Drot	1896		9:45:24.952	10690	218	-12.8	6699.	Married World Andrews	UMTS FDD	A section of the second section is	9:45:19.435	Bully for a bar of	UPLINK_DIRECT_TRANSFER
					1897.	-83.6	9:45:25,448				6700.	L3SM	UMTS FDD	Market and Committee Street Street Street	9:45:19.435		TMSI_REALLOCATION_COMPLETE
					1898.		9:45:25.448			-8.4	6701,	THE REAL PROPERTY.			9:45:19.534	The state of the s	DOWNLINK_DIRECT_TRANSFER
					1899.	-83.3	9:45:25.854	10690	218		6702.	LBSM	STATE OF TAXABLE PARTY.	-	9:45:19.534	DCCH	CALL_PROCEEDING
					1900.		9:45:25.854	10690	218	-9.6	6703.	RRCSM	UMTS FDD	Uplink	9:45:19.587	DCCH	MEASUREMENT_REPORT
					1901,	-79.6	9:45:26.358	10690	218		6704	RRCSM	UMTS FDD	Downlink	9:45:19.734	DCCH	ACTIVE_SET_UPDATE
					1902.	THE COURSE	9:45:26.358	10690	218	-7	6705.	RRCSM	UMTS FDD	Uplink	9:45:19.746	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					1903.	-87.9	9:45:26.956	10690	316		6706.	RRCSM	UMTS FDD	Downlink	9:45:19.834	DCCH	MEASUREMENT_CONTROL
					1904.		9:45:26.956	10690	316	-12.5	6707.	RRCSM	UMTS FDD	Uplink	9:45:20.007	DCCH	MEASUREMENT_REPORT
					1905.	-88	9:45:27.360	10690	316		6708.	RRCSM	UMTS FDD	Uplink	9:45:22.778	DCCH	MEASUREMENT_REPORT
					1906.		9:45:27.360	10690	316	-12.2	6709.	RRCSM	UMTS FDD	Downlink	9:45:22.854	DCCH	MEASUREMENT_CONTROL
					1907.	-90.1	9:45:27.955	10690	218		6710.	RRCSM	UMTS FDD	Uplink	9:45:23.208	DCCH	MEASUREMENT_REPORT
					1908		9:45:27.955	10690	218	-8.1	6711,	RRCSM	UMTS FDD	Downlink	9:45:23.354	DCCH	ACTIVE_SET_UPDATE
					1909.	-91.5	9:45:28.357	10690	218		6712.	RRCSM	UMTS FDD	Uplink	9:45:23.366	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					1910.		9:45:28.357	10690	218	-9.1	6713.	RRCSM	UMTS FDD	Downlink	9:45:24.334	DCCH	DOWNLINK_DIRECT_TRANSFER
					1911.	-88.5	9:45:28.854	10690	218		6714.	L3SM	UMTS FDD	Downlink	9:45:24.334	DCCH	AUTHENTICATION_AND_CIPHERING_REQU
					1912		9:45:28.854	10690	316	-6.1	6715.	RRCSM	UMTS FDD	Uplink	9:45:24.372	DCCH	UPLINK_DIRECT_TRANSFER
					1913.	-91.5	9:45:29.358	10690	316		6716.	L3SM	UMTS FDD	Uplink	9:45:24.372	DCCH	AUTHENTICATION_AND_CIPHERING_RESPO
					1914.		9:45:29.358	10690	316	-8	6717.	RRCSM	UMTS FDD	Downlink	9:45:24.604	DCCH	SECURITY_MODE_COMMAND
					1915.	-90.2	9:45:29.955	10690	218	1	6718.	RRCSM	UMTS FDD	Uplink	9:45:24.605	DCCH	SECURITY_MODE_COMPLETE
					1916.		9:45:29.955	10690	218	-9.2	6719.	RRCSM	UMTS FDD	Downlink	9:45:24.894	DCCH	DOWNLINK_DIRECT_TRANSFER
					1917.	.94.9	9:45:30.455	10690	218		6720.	L3SM	UMTS FDD	Downlink	9:45:24.894	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					1918.		9:45:30.455	10690	218	-10	6721.	RRCSM	UMTS FDD	Uplink	9:45:24.897	DCCH	UPLINK_DIRECT_TRANSFER
					1919.	-90.8	9:45:30.955	10690	218		6722.	L3SM	UMTS FDD	Uplink	9:45:24.897	DCCH	ROUTING_AREA_UPDATE_COMPLETE
					1920.		9:45:30.955	10690	218	-7.5	6723.	RRCSM	UMTS FDD	Uplink	9:45:25.708	DCCH	MEASUREMENT_REPORT
					1921.	-89.6	9:45:31.455	10690	218		6724.	RRCSM	UMTS FDD	Downlink	9:45:25.804	DCCH	ACTIVE_SET_UPDATE
					1922	-	9:45:31.455	10690	218	7.6	6725.	RRCSM	UMTS FDD	Uplink	9:45:25.836	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					1923.	-88.6	9:45:31.955	10690	218		6726.	RRCSM	UMTS FDD	Downlink	9:45:25.854	DCCH	MEASUREMENT_CONTROL
					1924.	PARTICIPAL CONTRACTOR	9:45:31.955	100000	510000	-7.2	6727,	the state of the state of the state of	UMTS FDD	all of the state o	9:45:26.598	N/09/20	MEASUREMENT_REPORT
					1925.	-85.8	9:45:32.455	10690	218		6728.	the law of the law or the law of	the property of the Committee of the		9:45:28.854	Section 1 and 1 an	MEASUREMENT_CONTROL
					1926.		9:45:32.455			-8	6729.	AND STREET			9:45:31.064		RADIO_BEARER_SETUP
					1927.	-91.3	9:45:33.066			No.	6730.	Part of the Control of the Control	UMTS FDD		9:45:31.207		MEASUREMENT_REPORT
U)					1928.		9:45:33.066	10690	218	-8.2 ▼	6731.	100000000000000000000000000000000000000	UMTS FDD	hard and the	9:45:31.298	1001011	RADIO_BEARER_SETUP_COMPLETE

- This call failure event occurred on short call at 09:45:31:823 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 218 and RF condition RSCP -89.6 dBm and Ec/No -7.6 dB are very good.
- Need to check MT End.



Phase-1 Call Attempt Failure Analysis 3 From MS8 CWS MT

	Time	RxLev sub	ARFON	BSIC	C1	C2	LAC	RAC	RXQ sub	*		Event ID	System	Transf. dir.	Time	Subchannel	Message name
292,	9:40:10.713	-64	24	35			1	10			6792	L3SM	GSM	Uplink	9:45:25.705	PDTCH	ROUTING_AREA_UPDATE_COMPLETE
293.	9:40:11.128								0		6793.	L3SM	GSM	Downlink	9:45:25.705	PDTCH	ROUTING_AREA_UPDATE_ACCEPT
294.	9:40:11.151	-69	24	35			1	10			6794.	L3SM	GSM	Downlink	9:45:25.705	PDTCH	MODIFY_PDP_CONTEXT_REQUEST
295.	9:40:11.562										6795.	MACSM	GSM	Uplink	9:45:25.722	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
296.	9:45:23.768								7		6796.	MACSM	GSM	Downlink	9:45:25.782	PACCH	PACKET_UPLINK_ACK/NACK
297.	9:45:23.953	-62	6	35			1	0			6797,	MACSM	GSM	Uplink.	9:45:25.823	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
298.	9:45:24.225										6798.	MACSM	GSM	Uplink	9:45:25.920	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
299.	9:45:25.334	-62	6	35			1	0			6799.	MACSM	GSM	Downlink	9:45:26.285	PACCH	PACKET_UPLINK_ACK/NACK
300.	9:45:25.814	-63	6	35	40	40	1	0			6800.	MACSM	GSM	Uplink	9:45:26.922	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
301,	9:45:26.354	-66	6	35	37	37	1	0			6801,	MACSM	GSM	Downlink	9:45:27.244	PACCH	PACKET_UPLINK_ACK/NACK
302,	9:45:26,834	-68	6	35	35	35	1	0			6802.	L3SM	GSM	Downlink	9:45:27.258	BCCH	SYSTEM_INFORMATION_TYPE_2
303,	9:45:27.415	-70	6	35	33	33	1	0			6803.	MACSM	GSM	Downlink	9:45:27.263	PACCH	PACKET_DOWNLINK_ASSIGNMENT
304,	9:45:27.909	-71	6	35	32	32	1	0			6804,	MACSM	GSM	Downlink	9:45:27.282	PACCH	PACKET_UPLINK_ACK/NACK
305.	9:45:28.433	-71	6	35	32	32	1	0			6805.	MACSM	GSM	Downlink	9:45:27.605	PACCH	PACKET_UPLINK_ACK/NACK
306.	9:45:28.819	-71	6	35	32	32	1	0			6806.	MACSM	GSM	Downlink	9:45:27.803	PACCH	PACKET_UPLINK_ACK/NACK
307.	9:45:29.359	-72	6	35	31	31	1	0			6807.	MACSM	GSM	Uplink	9:45:27.803	PACCH	PACKET_CONTROL_ACKNOWLEDGEMENT
308.	9:45:29.719	-75	6	35	28	28	1	0			6808.	MACSM	GSM	Uplink	9:45:27.840	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
309.	9:45:30,360	-77	6	35	26	26	1	0			6809.	L3SM	GSM	Downlink	9:45:27.965	BCCH	SYSTEM_INFORMATION_TYPE_13
310.	9:45:31.360	-77	6	35	26	26	1	0			6810.	L3SM	GSM	Downlink	9:45:28.200	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
311.	9:45:32.483	-77	6	35	26	26	1	0			6811.	MACSM	GSM	Downlink	9:45:28.205	PACCH	PACKET_DOWNLINK_ASSIGNMENT
312.	9:45:33.063	-78	6	35	25	25	1	0		_	6812.	MACSM	GSM	Downlink	9:45:28.241	PACCH	PACKET_UPLINK_ACK/NACK
313.	9:45:33.894	-78	6	35	25	25	1	0			6813.	MACSM	GSM	Uplink	9:45:28.260	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK
314.	9:45:34.835	-78	6	35	25	25	1	0			6814.	MACSM	GSM	Downlink	9:45:28.505	PACCH	PACKET_DOWNLINK_ASSIGNMENT
315.	9:45:35.984	-78	6	35	25	25	1	0			6815.	MACSM	GSM	Downlink	9:45:28.685	PACCH	PACKET_DOWNLINK_ASSIGNMENT
316.	9:45:36.718	-79	6	35	24	24	1	0			6816.	L3SM	GSM	Downlink	9:45:29.186	CCCH	PAGING_REQUEST_TYPE_1
317.	9:45:38.360	-79	6	35	24	24	1	0			6817,	L3SM	GSM	Downlink	9:45:29.848	BCCH	SYSTEM_INFORMATION_TYPE_13
318,	9:46:18.453	-69	24	35			10	10			6818.	L3SM	GSM	Downlink	9:45:30.083	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
319.	9:46:18.453								7		6819.	L35M	GSM	Downlink	9:45:31.731	BCCH	SYSTEM_INFORMATION_TYPE_13
320,	9:46:19.284	-81	24	35			10	10			6820.	L3SM	GSM	Downlink	9:45:31.966	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
321.	9:46:19.284										6821.	L3SM	GSM	Downlink	9:45:33.429	CCCH	IMMEDIATE_ASSIGNMENT
322.	9:46:19.688	-81	24	35			1	0			6822.	L3SM	GSM	Downlink	9:45:33.618	BCCH	SYSTEM_INFORMATION_TYPE_13
323.	9:46:19.953	-81	24	35			1	0			6823.	L3SM	GSM	Downlink	9:45:33.849	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
324.	9:46:20.731	-79	6				1	0			6824	L3SM	GSM	Downlink	9:45:33.894	CCCH	PAGING_REQUEST_TYPE_1
325,	9:46:21.285	-80	6				1	0			6825.	L3SM	GSM	Downlink	9:45:35.497	BCCH	SYSTEM_INFORMATION_TYPE_13
326.	9:46:21.733	-80	6				1	0			6826.	L3SM	GSM	Downlink	9:45:35.737	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
327,	9:46:22.284	-82	6				1	0			6827,	L3SM	GSM	Downlink	9:45:36.642	BCCH	SYSTEM_INFORMATION_TYPE_3
328,	9:46:22.674	-78	6				1	0			6828.	L3SM	GSM	Downlink	9:45:37.191	CCCH	IMMEDIATE_ASSIGNMENT
329.	9:46:23.556	-84	6				1	0		*	6829,	L3SM	GSM	Downlink	9:45:37.660	CCCH	PAGING_REQUEST_TYPE_1

- On MT End, During the setup fail UE, was latched with ARFCN 6 and RF condition Rx Lev -71 dBm is good but Rx Qual 7 dB is poor.
- As per the analysis call failed happened due to poor quality of the network.



Phase-1 Call Attempt Failure Analysis 4 From MS7 CWS MO

	Time	System	Serving band	Call		1. best active RSCP	Time	Ch	SC	1. bes	4		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1,	9:32:43.687	UMTS FDD	2100	Drop	2236.		9:49:18.490	10715	218	-11.9		7928.	RRCSM	UMTS FDD	Downlink	9:49:11.819	CCCH	RRC_CONNECTION_SETUP
2.	9:34:12.577	UMTS FDD	2100	Nom	2237.	-101.8	9:49:18.820	10715	218			7929.	RRCSM	UMTS FDD	Uplink	9:49:11.874	DCCH	RRC_CONNECTION_SETUP_COMPLETE
3.	9:45:31.823	UMTS FDD	2100	Drop	2238.		9:49:18.820	10715	218	-8.5		7930.	RRCSM	UMTS FDD	Uplink	9:49:11.874	DCCH	INITIAL_DIRECT_TRANSFER
4.	9:49:24.637	UMTS FDD	2100	Drop	2239,	-105.8	9:49:19.359	10715	218			7931.	L3SM	UMTS FDD	Uplink	9:49:11.874	DCCH	CM_SERVICE_REQUEST
5.	9:50:09.282	UMTS FDD	2100	Drop	2240.	10000000	9:49:19.359	10715	218	-11.2		7932.	RRCSM	UMTS FDD	Uplink	9:49:11.874	DCCH	INITIAL_DIRECT_TRANSFER
	77				2241.	-103.7	9:49:19.980	10715	218			7933.	L3SM	UMTS FDD	Uplink	9:49:11.874	DCCH	ROUTING_AREA_UPDATE_REQUEST
					2242.		9:49:19.980	10715	218	-10		7934.	RRCSM	UMTS FDD	Downlink	9:49:12.167	DCCH	MEASUREMENT_CONTROL
					2243.	-102.3	9:49:20.358	10715	218			7935.	RRCSM	UMTS FDD	Downlink	9:49:12.187	DCCH	SECURITY_MODE_COMMAND
					2244.		9:49:20.358	10715	218	-9.1		7936.	RRCSM	UMTS FDD	Uplink	9:49:12.188	DCCH	SECURITY_MODE_COMPLETE
					2245.	-101.3	9:49:20.830	10715	316			7937.	RRCSM	UMTS FDD	Uplink	9:49:12.258	DCCH	UPLINK_DIRECT_TRANSFER
					2246.		9:49:20.830	10715	316	-9.3		7938.	L3SM	UMTS FDD	Uplink	9:49:12.258	DCCH	SETUP
					2247.	-103.5	9:49:21.321	10715	218			7939.	RRCSM	UMTS FDD	Downlink	9:49:12.288	DCCH	DOWNLINK_DIRECT_TRANSFER
					2248.		9:49:21.321	10715	218	-10.4		7940.	L3SM	UMTS FDD	Downlink	9:49:12.288	DCCH	TMSI_REALLOCATION_COMMAND
					2249,	-104	9:49:21,848	10715	218		_	7941.	RRCSM	UMTS FDD	Uplink	9:49:12.288	DCCH	UPLINK_DIRECT_TRANSFER
					2250.	-0.00.1	9:49:21.848	10715	218	-10.4		7942.	L3SM	UMTS FDD	Uplink	9:49:12.288	DCCH	TMSI_REALLOCATION_COMPLETE
					2251.	-101.9	9:49:22.323	10715	218			7943.	RRCSM	UMTS FDD	Downlink	9:49:12.407	DCCH	DOWNLINK_DIRECT_TRANSFER
					2252.		9:49:22.323	10715	218	-8.1		7944.	L3SM	UMTS FDD	Downlink	9:49:12,407	DCCH	CALL_PROCEEDING
					2253.	-104.4	9:49:22.818	10715	316			7945.	RRCSM	UMTS FDD	Uplink	9:49:12.460	DCCH	MEASUREMENT_REPORT
					2254.	14	9:49:22.818	10715	316	-10,7		7946.	RRCSM	UMTS FDD	Downlink	9:49:12.597	DCCH	ACTIVE_SET_UPDATE
					2255,	-110,2	9:49:23,340	10715	218			7947.	RRCSM	UMTS FDD	Uplink	9:49:12.609	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					2256.		9:49:23.340	10715	218	-15.1		7948.	RRCSM	UMTS FDD	Downlink	9:49:12.707	DCCH	MEASUREMENT_CONTROL
					2257.	-100.8	9:49:24.247	10715	218			7949.	RRCSM	UMTS FDD	Downlink	9:49:17,217	DCCH	DOWNLINK_DIRECT_TRANSFER
					2258.		9:49:24.247	10715	218	-8		7950.	L3SM	UMTS FDD	Downlink	9:49:17.217	DCCH	AUTHENTICATION_AND_CIPHERING_REQ
					2259.	-104.3	9:49:24.605	10715	218			7951.	RRCSM	UMTS FDD	Uplink	9:49:17.256	DCCH	UPLINK_DIRECT_TRANSFER
					2260.		9:49:24.605	10715	218	-10.7		7952.	L3SM	UMTS FDD	Uplink	9:49:17.256	DCCH	AUTHENTICATION_AND_CIPHERING_RESP
					2261.	-104.2	9:49:25.310	10715	218			7953.	RRCSM	UMTS FDD	Downlink	9:49:17,498	DCCH	SECURITY_MODE_COMMAND
					2262,		9:49:25.310	10715	218	-10.1		7954.	RRCSM	UMTS FDD	Uplink	9:49:17,498	DCCH	SECURITY_MODE_COMPLETE
					2263.	-100.1	9:49:25.809	10715	218	C1 (4.30)		7955.	RRCSM	UMTS FDD	Uplink	9:49:17.611	DCCH	MEASUREMENT_REPORT
					2264.		9:49:25.809	10715	218	-7,8		7956.	RRCSM	UMTS FDD	Downlink	9:49:17.697	DCCH	ACTIVE_SET_UPDATE
					2265.	-99.1	9:49:26.271	10715	218			7957.	RRCSM	UMTS FDD	Uplink	9:49:17.729	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					2266.	P-03/00/	9:49:26.271	10715	218	-7,4		7958.	RRCSM	UMTS FDD	Downlink	9:49:17.838	DCCH	MEASUREMENT_CONTROL
					2267.	-98.2	9:49:26.728	10715	218			7959.	RRCSM	UMTS FDD	Downlink	9:49:17,898	DCCH	DOWNLINK_DIRECT_TRANSFER
					2268.		9:49:26.728	10715	218	-7.3		7960.	L3SM	UMTS FDD	Downlink	9:49:17.898	DCCH	ROUTING_AREA_UPDATE_ACCEPT
					2269.	-98.2	9:49:27.219	10715	218			7961.	RRCSM	UMTS FDD	Uplink	9:49:17.900	DCCH	UPLINK_DIRECT_TRANSFER
					2270.		9:49:27.219	10715	218	-7.3		7962.	L3SM	UMTS FDD	Uplink	9:49:17.900	DCCH	ROUTING_AREA_UPDATE_COMPLETE

- This call failure event occurred on short call at 09:49:24:637 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 218 and RF condition RSCP -104.3 dBm is poor but Ec/No -10.7 dB are very good.
- As per the analysis call failed happened due to poor coverage of the network.



Phase-1 Call Attempt Failure Analysis 5 From MS7 CWS MO

	Time	System	Serving band	Call	-	1. best active RSCP	Time	Ch	SC	1. bes: ▲		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1,	9:32:43.687		-	-	2317.	-100.5	9:50:05.283		-	1,003 -	8157.	L3SM	UMTS FDD		9:49:56.315	0.7000000000000000000000000000000000000	ROUTING_AREA_UPDATE_REQUEST
2.	9:34:12.577		P2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	9.7	2318.	-100/3	9:50:05.283		-577	-11	8158.	RRCSM		Downlink	0.0000000000000000000000000000000000000		MEASUREMENT_CONTROL
3.	9:45:31.823			Drop	2319.	-95.4	9:50:05.796			-110	8159.			Downlink		7000000	SECURITY_MODE_COMMAND
4.	9:49:24.637		P3 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Drop	2320.	T	9:50:05.796		-	-9.6	8160.	RRCSM	UMTS FDD		9:49:56.629		SECURITY_MODE_COMPLETE
5,	9:50:09.282			Drop	2321.	-101.3	9:50:06.283			-510	8161.	RRCSM	UMTS FDD	1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9:49:56.699	1000000	UPLINK_DIRECT_TRANSFER
	<u> </u>	Olli Stop	-199	- CANADA	2322.		9:50:06.283		-	-12.9	8162.	L3SM	UMTS FDD		9:49:56.699	E-months and	SETUP
					2323.	-109.1	9:50:06.822			12.0	8163.	RRCSM		Downlink			DOWNLINK_DIRECT_TRANSFER
					2324.	(920)	9:50:06.822		-	-19.9	8164.	L3SM		Downlink	THE RESERVE TO SERVE	7 CT 3 CO CT 4 CT	TMSI_REALLOCATION_COMMAND
					2325.	-99.7	9:50:07.356			1313	8165.	RRCSM	UMTS FDD		9:49:56.729		UPLINK_DIRECT_TRANSFER
					2326.		9:50:07.356		-57	-9.3	8166.	L3SM	UMTS FDD	C Intelligence	9:49:56.729	F-1000000	TMSI_REALLOCATION_COMPLETE
					2327.	-97.5	9:50:07.759				8167.	RRCSM		Downlink	100000000000000000000000000000000000000	7.000	DOWNLINK_DIRECT_TRANSFER
					2328.		9:50:07.759		-577	-10.3	8168.	L3SM			9:49:56.868	THE REAL PROPERTY.	CALL PROCEEDING
					2329.	-103.2	9:50:08.283				8169.		UMTS FDD		9:49:57.043		MEASUREMENT_REPORT
					2330.		9:50:08.283		-	-15,1	8170.	RRCSM	UMTS FDD	A CONTRACTOR OF THE PARTY OF TH	9:49:57.274	10000000	MEASUREMENT_REPORT
					2331.	-102.4	9:50:08.903				8171.	RRCSM	UMTS FDD	1	9:49:57.403	P300031	MEASUREMENT_REPORT
					2332.	THE STATE OF THE S	9:50:08.903	200	02/2020	-12.6	8172.	RRCSM		Downlink	- C - C - C - C - C - C - C - C - C - C		ACTIVE SET UPDATE
					2333.	-103.7	9:50:09.357				8173.	RRCSM	UMTS FDD		9:49:57.430	100000000000000000000000000000000000000	ACTIVE_SET_UPDATE_COMPLETE
					2334.		9:50:09.357		-577	-15	8174.	RRCSM	THE RESIDENCE OF THE PARTY OF T	Downlink	CONTRACTOR OF THE PARTY OF THE		MEASUREMENT_CONTROL
					2335.	-97.9	9:50:09.933				8175.	RRCSM	The second second second	Downlink		0.000	ACTIVE_SET_UPDATE
					2336.		9:50:09.933	10715	316	-8.7	8176.	RRCSM	UMTS FDD		9:49:57.570	Total Control	ACTIVE_SET_UPDATE_COMPLETE
					2337.	-102.3	9:50:10.356	10715	316		8177.	RRCSM			9:50:00.528	DCCH	MEASUREMENT_CONTROL
					2338.		9:50:10.356	10715	316	-13.3	8178.	RRCSM	UMTS FDD	Downlink	9:50:01.678	DCCH	DOWNLINK_DIRECT_TRANSFER
					2339.	-82	9:50:40.491	10690	336		8179.	L3SM	UMTS FDD	Downlink	9:50:01.678	DCCH	AUTHENTICATION_AND_CIPHERING_REQU
					2340.		9:50:40.491	10690	336	-5	8180.	RRCSM	UMTS FDD	Uplink	9:50:01.718	DCCH	UPLINK_DIRECT_TRANSFER
					2341.	-82	9:50:40.718	10690	336		8181.	L3SM	UMTS FDD	Uplink	9:50:01.718	DCCH	AUTHENTICATION_AND_CIPHERING_RESPO
					2342.		9:50:40.718	10690	336	-6.1	8182.	RRCSM	UMTS FDD	Uplink	9:50:01.754	DCCH	MEASUREMENT_REPORT
					2343.	-82	9:50:41.364	10690	336		8183.	RRCSM	UMTS FDD	Uplink	9:50:01.754	DCCH	MEASUREMENT REPORT

- This call failure event occurred on short call at 09:50:09:282 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 316 and RF condition RSCP -102.4 dBm is poor but Ec/No -12.6 dB are very good.
- As per the analysis call failed happened due to poor coverage of the network.



Phase-1 Call Drop Analysis 1 From MS9 Airtel MO

	Time System	Serving band		Time	RxLev sub	ARFON	BSIC	C1 C2	LAC	RAC	RXQ sub	4		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1,	9:45:36.860 GSM	900	950.	9:45:25.991	-93	109	14		50000	1	A TOTAL CONTROL		5515	L3SM	GSM	Uplink	9:45:36.057	SACCH	MEASUREMENT_REPORT
			951.	9:45:26.951	-93	109	14		50000	1		1	5516	L3SM	GSM	Downlink	9:45:36.154	DCCH	AUTHENTICATION_REQUEST
			952.	9:45:27.957	-94	109	14		50000	1			5517	L3SM	GSM	Uplink	9:45:36.300	DCCH	AUTHENTICATION_RESPONSE
			953.	9:45:28.959	-95	109	14		50000	1			5518	L3SM	GSM	Downlink	9:45:36.463	SACCH	SYSTEM_INFORMATION_TYPE_6
			954.	9:45:29.351	-94	109	14		50000	1			5519	L3SM	GSM	Uplink	9:45:36.528	SACCH	MEASUREMENT_REPORT
			955.	9:45:29.831	-94	109	14		50000	1			5520	L3SM	GSM	Downlink	9:45:36.625	DCCH	CIPHERING_MODE_COMMAND
			956.	9:45:30.357	.94	109	14		50000	1			5521	L3SM	GSM	Uplink	9:45:36.629	DCCH	CIPHERING_MODE_COMPLETE
			957.	9:45:30.915	.94	109	14		50000	1			5522	L3SM	GSM	Downlink.	9:45:36.860	DCCH	CHANNEL_RELEASE
			958.	9:45:31.437	-94	109	14		50000	1			5523	L3SM	GSM	Uplink	9:45:37.106	DCCH	LOCATION_UPDATING_REQUEST
			959.	9:45:32.231	-94	109	14		50000	1			5524	L3SM	GSM	Downlink	9:45:37.205	BCCH	SYSTEM_INFORMATION_TYPE_2
			960.	9:45:32.866									5525	L3SM	GSM	Downlink	9:45:37.435	BCCH	SYSTEM_INFORMATION_TYPE_3
			961.	9:45:36.057							0		5526	L3SM	GSM	Downlink	9:45:37.455	BCCH	SYSTEM_INFORMATION_TYPE_1
			962.	9:45:36.625	-80	111	22		50000			-	5527	L3SM	GSM	Downlink	9:45:37.455	BCCH	SYSTEM_INFORMATION_TYPE_2
			963.	9:45:37.205								_	5528	L3SM	GSM	Downlink	9:45:37.455	BCCH	SYSTEM_INFORMATION_TYPE_4
		1	964.	9:45:39.353							7		5529	L3SM	GSM	Downlink	9:45:37.456	BCCH	SYSTEM_INFORMATION_TYPE_3
			965.	9:45:39.809	-87	111	22		50000	1			5530	L3SM	GSM	Downlink	9:45:37.539	CCCH	PAGING_REQUEST_TYPE_1
			966.	9:45:39.824							0		5531	L3SM	GSM	Downlink	9:45:37.668	BCCH	SYSTEM_INFORMATION_TYPE_4
			967.	9:45:40.295							5		5532	L3SM	GSM	Downlink	9:45:37.903	BCCH	SYSTEM_INFORMATION_TYPE_3
			968.	9:45:40.335	-89	111	22		50000	1	IR:		5533	L3SM	GSM	Downlink	9:45:38.139	BCCH	SYSTEM_INFORMATION_TYPE_2
			969.	9:45:40.923									5534	L3SM	GSM	Downlink	9:45:38.153	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER
			970.	9:45:41.696	-83	111	22	23 23	50000	1		-	5535	L3SM	GSM	Downlink	9:45:38.605	BCCH	SYSTEM_INFORMATION_TYPE_4
			971.	9:45:42.104	-86	111	22 2	20 20	50000	1			5536	L3SM	GSM	Downlink	9:45:38.840	BCCH	SYSTEM_INFORMATION_TYPE_1
			972.	9:45:42.658	-85	111	22	21 21	50000	1			5537	L3SM	GSM	Downlink	9:45:38.859	BCCH	SYSTEM_INFORMATION_TYPE_13
			973.	9:45:43.216	-84	111	22 2	22 22	50000	1			5538	L3SM	GSM	Downlink	9:45:39.055	CCCH	IMMEDIATE_ASSIGNMENT
			974.	9:45:43.590	-84	111	22	22 22	50000	1			5539	L3SM	GSM	Uplink	9:45:39.339	DCCH	CLASSMARK_CHANGE
			975.	9:45:44.107	-85	111	22	21 21	50000	1			5540	L3SM	GSM	Uplink	9:45:39.339	DCCH	GPRS_SUSPENSION_REQUEST
			976.	9:45:44.739	-84	111	22	22 22	50000	1			5541	L3SM	GSM	Uplink	9:45:39.353	SACCH	MEASUREMENT_REPORT
			977,	9:45:45.264	-84	111	22	22 22	50000	1			5542	L3SM	GSM	Downlink	9:45:39.486	SACCH	MEASUREMENT_INFORMATION
			978.	9:45:45.718	-84	111	22	22 22	50000	1			5543	L3SM	GSM	Downlink	9:45:39.810	DCCH	AUTHENTICATION_REQUEST
			979.	9:45:46.207	-85	111	22 2	21 21	50000	1			5544	L3SM	GSM	Uplink	9:45:39.824	SACCH	MEASUREMENT_REPORT
			980.	9:45:46.604	-85	111	22 2	21 21	50000	1			5545	L3SM	GSM	Uplink	9:45:39.936	DCCH	AUTHENTICATION_RESPONSE
			981.	9:45:47.305	-85	111	22 2	21 21	50000	1			5546	L3SM	GSM	Downlink	9:45:39.957	SACCH	SYSTEM_INFORMATION_TYPE_6
			982,	9:45:47.804	-85	111	22	21 21	50000	1			5547	L3SM	GSM	Downlink	9:45:40.280	DCCH	LOCATION_UPDATING_ACCEPT
			983.	9:45:48.441	-86	111	22 2	20 20	50000	1			5548	LESM	GSM	Uplink	9:45:40.295	SACCH	MEASUREMENT_REPORT
			984.	9:45:48.699	-85	111	22 7	21 21	50000	1			5549	L3SM	GSM	Downlink	9:45:40.515	DCCH	CHANNEL_RELEASE
			985.	9:45:49.253	-85	111	22	21 21	50000	1			5550	L3SM	GSM	Uplink	9:45:40.785	PDTCH	ROUTING_AREA_UPDATE_REQUEST
			986.	9:45:49,922	-86	111	22 2	20 20	50000	1		+1	5551	L3SM	GSM	Downlink	9:45:40.846	CCCH	PAGING REQUEST TYPE 1

- This call drop event occurred on long call at 09:45:36:860 time when UE was latched with 2G network.
- After getting Alerting message at 10:44:50:249 time than Call drop happened.
- During the session UE was latched with ARFCN 111 and RF condition Rx lev -87 dBm is good and Rx qual 5 dB was very poor.
- As per the Analysis the call setup failure event occurred due to poor quality in the network.



Phase-1 Call Drop Analysis 1 From MS11 CWS MO

	Time	System	Serving band	Call type		Time	RxLev sub	ARFCN	BSIC	C1 C2	LAC	RAC	RXQ 4	4 3		Event ID	System	Transf. dir.	Time	Subchannel	Message name
1,	9:39:53.257	GSM	900	Voice call	868.	9:39:24.449	-86	26	49		1				3065.	L3SM	GSM	Downlink	9:39:28.242	SACCH	SYSTEM_INFORMATION_TYPE_5
2,	10:15:12.831	UMTS FDD	2100	Voice call	869.	9:39:24.449							3	1	3066.	L3SM	GSM	Uplink	9:39:28.288	SACCH	MEASUREMENT_REPORT
					870.	9:39:24.928							4	1	3067.	L3SM	GSM	Downlink	9:39:28.722	SACCH	SYSTEM_INFORMATION_TYPE_STER
					871.	9:39:25.015	-88	26	49		1			17.0	3068.	L3SM	GSM	Uplink	9:39:28.769	SACCH	MEASUREMENT_REPORT
					872.	9:39:25,409	-88	26	49		1				3069.	L3SM	GSM	Downlink	9:39:29.202	SACCH	SYSTEM_INFORMATION_TYPE_6
					873.	9:39:25.409							3		3070.	L3SM	GSM	Uplink	9:39:29.248	SACCH	MEASUREMENT_REPORT
					874.	9:39:25.889							0		3071,	L3SM	GSM	Downlink	9:39:29.682	SACCH	MEASUREMENT_INFORMATION
					875.	9:39:26.261	-84	26	49		1				3072.	L3SM	GSM	Uplink	9:39:29.729	SACCH	MEASUREMENT_REPORT
					876,	9:39:26.369							4		3073.	L3SM	GSM	Downlink	9:39:30.162	SACCH	MEASUREMENT_INFORMATION
					877.	9:39:26,774	-89	26	49		1				3074.	L3SM	GSM	Uplink	9:39:30.209	SACCH	MEASUREMENT_REPORT
					878.	9:39:26.848							1		3075.	L3SM	GSM	Downlink	9:39:30.642	SACCH	MEASUREMENT_INFORMATION
					879,	9:39:27.314	-87	26	49		1			_	3076.	L3SM	GSM	Uplink	9:39:30.688	SACCH	MEASUREMENT_REPORT
					880.	9:39:27.329							4		3077.	L3SM	GSM.	Downlink	9:39:31.122	SACCH	MEASUREMENT_INFORMATION
					881.	9:39:27.762	-88	26	49		1				3078.	L3SM	GSM	Uplink	9:39:31.169	SACCH	MEASUREMENT_REPORT
					882.	9:39:27.809							0		3079.	L3SM	GSM	Downlink	9:39:31.602	SACCH	MEASUREMENT_INFORMATION
					883.	9:39:28.268	-85	26	49		1				3080.	LESM	GSM	Uplink	9:39:31.649	SACCH	MEASUREMENT_REPORT
					884.	9:39:28.288							4		3081.	L3SM	GSM	Uplink	9:39:32.129	SACCH	MEASUREMENT_REPORT
					885.	9:39:28,769	-84	26	49		1				3082	L3SM	GSM	Downlink	9:39:32.562	SACCH	SYSTEM_INFORMATION_TYPE_5
					886.	9:39:28.769							0		3083.	L3SM	GSM	Uplink	9:39:32.609	SACCH	MEASUREMENT_REPORT
					887.	9:39:29.248							2	- 1	3084.	L3SM	GSM	Uplink	9:39:33.089	SACCH	MEASUREMENT_REPORT
					888.	9:39:29.354	-87	26	49		1			#	3085.	L3SM	GSM	Downlink	9:39:33.522	SACCH	SYSTEM_INFORMATION_TYPE_6
					889.	9:39:29.729	-90	26	49		1				3086.	L3SM	GSM	Uplink	9:39:33.569	SACCH	MEASUREMENT_REPORT
					890.	9:39:29,729							4		3087.	L3SM	GSM	Uplink	9:39:34.049	SACCH	MEASUREMENT_REPORT
					891.	9:39:30.209							3		3088.	L3SM	GSM	Uplink	9:39:34.528	SACCH	MEASUREMENT_REPORT
					892.	9:39:30.393	-92	26	49		1				3089.	L3SM	GSM	Uplink	9:39:35.009	SACCH	MEASUREMENT_REPORT
					893.	9:39:30.776	-88	26	49		1				3090.	L3SM	GSM	Uplink	9:39:35.489	SACCH	MEASUREMENT_REPORT
					894.	9:39:31.169							6		3091.	L3SM	GSM	Uplink	9:39:35.968	SACCH	MEASUREMENT_REPORT
					895.	9:39:31.332	-91	26	49		1				3092.	L3SM	GSM	Uplink	9:39:36.448	SACCH	MEASUREMENT_REPORT
					896.	9:39:31,649							7		3093.	L3SM	GSM	Downlink	9:39:36.882	SACCH	SYSTEM_INFORMATION_TYPE_5
					897.	9:39:32.129	-92	26	49		1				3094.	L3SM	GSM	Uplink	9:39:36.928	SACCH	MEASUREMENT_REPORT
					898.	9:39:33,194	-93	26	49		1				3095.	L3SM	GSM	Downlink	9:39:37.362	SACCH	SYSTEM_INFORMATION_TYPE_STER
					899.	9:39:34.076	-94	26	49		1				3096.	L3SM	GSM	Uplink	9:39:37.409	SACCH	MEASUREMENT_REPORT
					900.	9:39:34.533	-82	26	49		1				3097.	L3SM	GSM	Uplink	9:39:37.889	SACCH	MEASUREMENT_REPORT
					901.	9:39:35.313	-96	26	49		1				3098.	L3SM	GSM	Uplink	9:39:38.368	SACCH	MEASUREMENT_REPORT
					902.	9:39:35.489	-93	26	49		1				3099.	L3SM	GSM	Uplink	9:39:38.848	SACCH	MEASUREMENT_REPORT
					903.	9:39:35.968	-96	26	49		1				3100.	L3SM	GSM	Uplink	9:39:39.329	SACCH	MEASUREMENT_REPORT
					904.	9:39:36.670	-95	26	49		1		,	•	3101.	L3SM	GSM	Uplink	9:39:39.809	SACCH	MEASUREMENT_REPORT

- This call drop event occurred on long call at 09:39:53:257 time when UE was latched with 2G network.
- After getting Alerting message at 10:38:58:022 time than Call drop happened.
- During the session UE was latched with ARFCN 26 and RF condition Rx lev -91 dBm is good and Rx qual 7 dB was very poor.
- As per the Analysis the call setup failure event occurred due to poor quality in the network.



Phase-1 Call Drop Analysis 2 From MS11 CWS MO

	Time	System	Serving band	Call type		1, best active RSCP	Time	Ch	SC	1. best active Ec/NO	k		System	Transf. dir.	Time	Subchannel	Message name
1.	9:39:53.257	GSM	900	Voice call	6052.	MINISTER CONTINUES	10:15:06.547	10690	370	-13.3	78	8847.	UMTS FDD	Uplink	10:15:00.055	DCCH	ROUTING_AREA_UPDATE_COMPLETE
2.	10:15:12,831	UMTS FDD	2100	Voice call	6053.	-70.9	10:15:07.281	10690	370		Ш	8848,	UMTS FDD	Uplink	10:15:00.588	DCCH	MEASUREMENT_REPORT
		ALL	71177571		6054,		10:15:07.281	10690	370	-11.5		8849,	UMTS FDD	Uplink	10:15:00.588	DCCH	MEASUREMENT_REPORT
					6055.	-73.4	10:15:07.964	10690	370			8850.	UMTS FDD	Downlink	10:15:00.933	DCCH	MEASUREMENT_CONTROL
					6056.		10:15:07.964	10690	370	-12.4		8851.	UMTS FDD	Downlink	10:15:01.013	DCCH	MEASUREMENT_CONTROL
					6057.	-77.8	10:15:08.278	10690	370			8852.	UMTS FDD	Downlink	10:15:02,173	DCCH	MEASUREMENT_CONTROL
					6058.	ROMEA .	10:15:08.278	10690	370	-12.7		8853.	UMTS FDD	Uplink	10:15:02.308	DCCH	MEASUREMENT_REPORT
					6059.	-72.9	10:15:08.646	10690	370			8854,	UMTS FDD	Uplink	10:15:03,306	DCCH	MEASUREMENT_REPORT
					6060.		10:15:08.646	10690	370	-5.8		8855.	UMTS FDD	Downlink	10:15:03.573	DCCH	ACTIVE_SET_UPDATE
					6061.	-70.3	10:15:09.337	10690	370			8856.	UMTS FDD	Uplink	10:15:03.606	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					6062.		10:15:09.337	10690	370	-5.9		8857.	UMTS FDD	Downlink	10:15:03.933	DCCH	MEASUREMENT_CONTROL
					6063.	-64.2	10:15:09.686	10690	370			8858.	UMTS FDD	Uplink	10:15:07.767	DCCH	MEASUREMENT_REPORT
					6064.		10:15:09.686	10690	370	4.9		8859.	UMTS FDD	Downlink	10:15:08,093	DCCH	MEASUREMENT_CONTROL
					6065.	-63.1	10:15:10.337	10690	370			8860.	UMTS FDD	Downlink	10:15:08.133	DCCH	MEASUREMENT_CONTROL
					6066.	-0.000	10:15:10.337	10690	370	-5.4		8861.	UMTS FDD	Downlink	10:15:08.213	DCCH	MEASUREMENT_CONTROL
					6067.	-71.6	10:15:10.774	10690	370			8862.	UMTS FDD	Uplink	10:15:09.406	DCCH	MEASUREMENT_REPORT
					6068.		10:15:10.774	10690	370	-11.6		8863,	UMTS FDD	Uplink	10:15:09.427	DCCH	MEASUREMENT_REPORT
					6069.	-71.9	10:15:11.337	10690	370			8864.	UMTS FDD	Downlink	10:15:09.653	DCCH	ACTIVE_SET_UPDATE
					6070.		10:15:11.337	10690	370	-12.1		8865.	UMTS FDD	Uplink	10:15:09.686	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					6071.	-69.3	10:15:11.774	10690	370			8866.	UMTS FDD	Uplink	10:15:09.926	DCCH	MEASUREMENT_REPORT
					6072.	20000	10:15:11.774	10690	370	-7.5	14	8867.	UMTS FDD	Downlink	10:15:10.253	DCCH	SIGNALLING_CONNECTION_RELEASE
					6073.	-68	10:15:12.340	10690	370			8868.	UMTS FDD	Downlink	10:15:11.013	DCCH	MEASUREMENT_CONTROL
					6074.		10:15:12.340	10690	370	-10.1		8869,	UMTS FDD	Uplink	10:15:11.175	DCCH	MEASUREMENT_REPORT
					6075.	-77.3	10:15:12.833	10690	370	- 39.4		8870.	UMTS FDD	Uplink	10:15:12.276	DCCH	MEASUREMENT_REPORT
					6076.		10:15:12.833	10690	370	-25.8		8871,	UMTS FDD	Uplink	10:15:12.608	DCCH	MEASUREMENT_REPORT
					6077,	-65,8	10:15:13.431	10690	365			8872.	UMTS FDD	Downlink	10:15:13,046	BCCH_BCH	SYSTEM_INFORMATION_BCH
					6078.	50000	10:15:13.431	10690	1	-4,4	1	8873.			10:15:13,066	-	SYSTEM_INFORMATION_BCH
					6079.	-63.7	10:15:13.876	10690	365			8874.	2001200 CHAPTER		10:15:13.086		SYSTEM_INFORMATION_BCH
					6080.	1.0720	10:15:13.876	10690		-5.8		8875.	# EU # D. J. (2) EU # 23 (# 1) C 1		10:15:13.086		MASTER_INFORMATION_BLOCK
					6081.	-66.7	10:15:14.535	10690	-	200		8876.			10:15:13.086		SYSTEM_INFORMATION_BLOCK_TYPE_
					6082.		10:15:14.535	10690	+5	-7		8877.			10:15:13,106	the part of the pa	SYSTEM_INFORMATION_BCH
					6083.	-64.8	10:15:14.949	10690				8878.	100000000000000000000000000000000000000	******************	10:15:13.106		SYSTEM_INFORMATION_BLOCK_TYPE_
					6084.		10:15:14.949	10690		-6		8879.	753575757575797		10:15:13.126		SYSTEM_INFORMATION_BCH
					6085.	-68.1	10:15:15.530	10690	95-1-2			8880.	0.3050000000000000000000000000000000000		10:15:13.126	Hillian Garages	SYSTEM_INFORMATION_BLOCK_TYPE_
					6086.	00000	10:15:15.530	10690		-6.1		8881.		at his larger was not in our forms	10:15:13.146	E-9100101	SYSTEM_INFORMATION_BCH
					6087.	-69.3	10:15:16.217	10690	to the street			8882.	The state of the s		10:15:13,146		SCHEDULING_BLOCK_1

- This call drop event occurred on long call at 10:15:12:831 time when UE was latched with 3G network.
- After getting Alerting message at 10:14:59:693 time than Call drop happened.
- During the failure, UE was latched with PSC 370 and RF condition RSCP -68 dBm is poor but Ec/No -10.1 dB are very good.
- Need to check MT End.



Phase-1 Call Drop Analysis 2 From MS12 CWS MT

	1. best active RSCP	Time	Ch	SC	1. best active Ec/NC -	1		Event ID	System	Transf. dir.	Time	Subchannel	Message name
5592.	-72.1	10:15:07.551	10690	370		1	10014,	RRCSM	UMTS FDD	Uplink	10:15:04.230	DCCH	MEASUREMENT_REPORT
5593.		10:15:07.551	10690	370	-11.8	A	10015.	RRCSM	UMTS FDD	Downlink	10:15:04.335	DCCH	ACTIVE_SET_UPDATE
5594.	-75.1	10:15:08.048	10690	370		3	10016.	RRCSM	UMTS FDD	Uplink	10:15:04.367	DCCH	ACTIVE_SET_UPDATE_COMPLETE
5595.		10:15:08.048	10690	370	-13.3		10017.	RRCSM	UMTS FDD	Uplink	10:15:04.772	DCCH	MEASUREMENT_REPORT
5596.	-70.6	10:15:08.626	10690	370			10018.	RRCSM	UMTS FDD	Downlink	10:15:05.135	DCCH	ACTIVE_SET_UPDATE
5597.		10:15:08.626	10690	370	-5.8		10019.	RRCSM	UMTS FDD	Uplink	10:15:05.147	DCCH	ACTIVE_SET_UPDATE_COMPLETE
5598,	-71.1	10:15:09.339	10690	370			10020.	RRCSM	UMTS FDD	Uplink	10:15:06.499	DCCH	MEASUREMENT_REPORT
5599.	(0000)	10:15:09.339	10690	370	-7.7		10021.	RRCSM	UMTS FDD	Downlink	10:15:06.855	DCCH	MEASUREMENT_CONTROL
5600.	-72	10:15:09.546	10690	370			10022.	RRCSM	UMTS FDD	Downlink	10:15:06.895	DCCH	MEASUREMENT_CONTROL
5601.	100	10:15:09.546	10690	370	-9.3		10023.	RRCSM	UMTS FDD	Downlink	10:15:06.975	DCCH	MEASUREMENT_CONTROL
5602.	-62.9	10:15:10.208	10690	370			10024.	RRCSM	UMTS FDD	Uplink	10:15:08.180	DCCH	MEASUREMENT_REPORT
5603.		10:15:10.208	10690	370	-5.6		10025.	RRCSM	UMTS FDD	Uplink	10:15:09.209	DCCH	MEASUREMENT_REPORT
5604.	-62.8	10:15:10.547	10690	370			10026.	RRCSM	UMTS FDD	Downlink	10:15:09.495	DCCH	ACTIVE_SET_UPDATE
5605.		10:15:10.547	10690	370	-6.2		10027.	RRCSM	UMTS FDD	Uplink	10:15:09.527	DCCH	ACTIVE_SET_UPDATE_COMPLETE
5606.	-65.4	10:15:11.067	10690	370			10028.	RRCSM	UMTS FDD	Downlink	10:15:09.815	DCCH	MEASUREMENT_CONTROL
5607.		10:15:11.067	10690	370	-6.9		10029.	RRCSM	UMTS FDD	Uplink	10:15:09.930	DCCH	MEASUREMENT_REPORT
5608.	-67	10:15:11.665	10690	370			10030.	RRCSM	UMTS FDD	Uplink	10:15:09.931	DCCH	MEASUREMENT_REPORT
5609.		10:15:11.665	10690	370	-7.4		10031.	RRCSM	UMTS FDD	Downlink	10:15:10.175	DCCH	ACTIVE_SET_UPDATE
5610.	-71.9	10:15:12.296	10690	370			10032.	RRCSM	UMTS FDD	Uplink	10:15:10.208	DCCH	ACTIVE_SET_UPDATE_COMPLETE
5611.		10:15:12.296	10690	370	-14.8	-	10033.	RRCSM	UMTS FDD	Uplink	10:15:11.377	DCCH	MEASUREMENT_REPORT
5612.	-70.8	10:15:12.826	10690	370	(100-20		10034.	RRCSM	UMTS FDD	Downlink	10:15:11.535	DCCH	SIGNALLING_CONNECTION_RELEASE
5613.		10:15:12.826	10690	370	-13.5		10035.	RRCSM	UMTS FDD	Uplink	10:15:12.451	DCCH	MEASUREMENT_REPORT
5614.	-66.3	10:15:13.342	10690	365			10036.	RRCSM	UMTS FDD	Downlink	10:15:12.735	DCCH	ACTIVE_SET_UPDATE
5615.	WHO'C	10:15:13.342	10690	365	-13,3		10037.	RRCSM	UMTS FDD	Uplink	10:15:12.747	DCCH	ACTIVE_SET_UPDATE_COMPLETE
5616.	-67.8	10:15:13.796	10690	365		1	10038.	RRCSM	UMTS FDD	Downlink	10:15:12:775	DCCH	MEASUREMENT_CONTROL
5617.	2510535	10:15:13.796	10690	365	-7.8		10039.	RRCSM	UMTS FDD	Uplink	10:15:13.488	DCCH	MEASUREMENT_REPORT
5618.	-77.9	10:15:14.496	10690	365			10040.	RRCSM	UMTS FDD	Downlink	10:15:13.775	DCCH	MEASUREMENT_CONTROL
5619.		10:15:14.496	10690	365	-16.5		10041.	RRCSM	UMTS FDD	Downlink	10:15:13.815	DCCH	MEASUREMENT_CONTROL
5620.	-88	10:17:57.159	10740	18			10042.	RRCSM	UMTS FDD	Downlink	10:15:13.975	DCCH	DOWNLINK_DIRECT_TRANSFER
5621,		10:17:57.159	10740	18	-5.9		10043.	L3SM	UMTS FDD	Downlink	10:15:13.975	DCCH	DISCONNECT
5622.	-88	10:17:57.798	10740	18			10044.	RRCSM	UMTS FDD	Uplink	10:15:13.976	DCCH	UPLINK_DIRECT_TRANSFER
5623,		10:17:57.798	10740	18	-6.8		10045.	L3SM	UMTS FDD	Uplink	10:15:13.976	DCCH	RELEASE
5624.	-88	10:17:58.280	10740	18			10046.	RRCSM	UMTS FDD	Uplink	10:15:14.148	DCCH	MEASUREMENT_REPORT
5625.		10:17:58.280	10740	18	-5.1		10047.	RRCSM	UMTS FDD	Downlink	10:15:14.215	DCCH	DOWNLINK_DIRECT_TRANSFER
5626.	-88	10:17:58.577	10740	18			10048.	L3SM	UMTS FDD	Downlink	10:15:14.215	DCCH	RELEASE_COMPLETE
5627.		10:17:58.577	10740	18	-5.1	/0	10049.	RRCSM	UMTS FDD	Downlink	10:15:14.455	DCCH	RRC_CONNECTION_RELEASE
5628.	-88	10:17:59.232	10740	18		1	10050.	RRCSM	UMTS FDD	Uplink	10:15:14.456	DCCH	RRC_CONNECTION_RELEASE_COMPLETE
4					1	100	10051.	RRCSM	UMTS FDD	Uplink	10:15:14.496	DCCH	RRC CONNECTION RELEASE COMPLETE

- During the call drop UE, was latched with PSC 370 and RF condition RSCP -70.8 dBm and EC/NO -13.5 dB both are good.
- As per Analysis call drop happened from Network end.



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

Call Attempt Failure cause from Airtel	Count
Total Call Attempt Failure	2
Poor Coverage	1
Poor Quality	1

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

Call Drop cause from Airtel	Count
Total Call Drop	1
Network End	1

Call Drop cause from CWS	Count
Total Call Drop	0



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

14	Time	System	Serving band		1. best active RSCP	Time	Ch	SC	1. best			Event ID	System	Transf, dir.	Time	Subchannel	Message name
1,8	9:10:35.829	UMTS FOO	900 Tir	3900.	MANYEROMANIA SATU	9:09:32.697	10588	31	-8.4	-	16133.	RRCSM	UMTS FDD	Downlink	9:10:31.797	DCCH	DOWNLINK_DIRECT_TRANSFER
2.	9:35:10.261	UMTS FDD	900 No	rn 3901.	-99.5	9:09:33.082	10588	31			16134.	L3SM	UMTS FDD	Downlink	9:10:31.797	DCCH	LOCATION_UPDATING_ACCEPT
3.00	11 (00)			3902.	1000000	9:09:33.082	10588	31	-10.1		16135.	RRCSM	UMTS FDD	Uplink	9:10:31.797	DCCH	UPLINK_DIRECT_TRANSFER
				3903.	-104.3	9:09:33.582	10588	31			16136.	L3SM	UMTS FDD	Uplink	9:10:31,797	DCCH	CM_SERVICE_REQUEST
				3904.	1000000	9:09:33.582	10588	31	-10.1		16137.	RRCSM	UMTS FDD	Uplink	9:10:31.798	DCCH	UPLINK_DIRECT_TRANSFER
				3905.	-103.3	9:09:34.353	10588	31			16138.	L3SM	UMTS FDD	Uplink	9:10:31.798	DCCH	SERVICE_REQUEST
				3906.	0.000	9:09:34.353	10588	31	-10.9		16139.	RRCSM	UMTS FDD	Downlink.	9:10:31.798	DCCH	DOWNLINK_DIRECT_TRANSFER
				3907.	-105	9:09:34.854	10588	31			16140.	L3SM	UMTS FDD	Downlink	9:10:31.798	DCCH	GMM_INFO
				3908.		9:09:34.854	10588	31	-11.5		16141.	RRCSM	UMTS FDD	Uplink	9:10:31.997	DCCH	MEASUREMENT_REPORT
				3909.	-104.1	9:09:35.355	10588	31			16142.	RRCSM	UMTS FDD	Downlink	9:10:31.997	DCCH	DOWNLINK_DIRECT_TRANSFER
				3910.		9:09:35.355	10588	31	-9.1		16143.	L3SM	UMTS FDD	Downlink	9:10:31,997	DCCH	CM_SERVICE_ACCEPT
				3911.	-111.5	9:09:35.826	10588	105			16144.	RRCSM	UMTS FDD	Uplink	9:10:31,997	DCCH	UPLINK_DIRECT_TRANSFER
				3912.		9:09:35.826	10588	105	-18		16145.	L3SM	UMTS FDD	Uplink	9:10:31.997	DCCH	SETUP
				3913.	-104.6	9:10:30.006	3050	96			16146.	RRCSM	UMTS FDD	Downlink	9:10:31.997	DCCH	DOWNLINK_DIRECT_TRANSFER
				3914.		9:10:30.006	3050	96	-21,7		16147.	L3SM	UMTS FDD	Downlink	9:10:31.997	DCCH	SERVICE_ACCEPT
				3915.	-103.1	9:10:30.567	3050	96			16148.	RRCSM	UMTS FDD	Downlink	9:10:32.019	DCCH	MEASUREMENT_CONTROL
				3916.	0.00000	9:10:30.567	3050	96	-19.7		16149.	RRCSM	UMTS FDD	Downlink	9:10:32.019	DCCH	ACTIVE_SET_UPDATE
				3917.	-93.9	9:10:31.080	3050	96			16150.	RRCSM	UMTS FDD	Uplink	9:10:32.021	DCCH	ACTIVE_SET_UPDATE_COMPLETE
				3918.	00000	9:10:31.080	3050	96	-10.8	_	16151.	RRCSM	UMTS FDD	Downlink	9:10:32.021	DCCH	DOWNLINK_DIRECT_TRANSFER
				3919.	-100.8	9:10:31.651	3050	96			16152	LBSM	UMTS FOD	Downlink	9:10:32.021	DCCH	CALL_PROCEEDING
				3920.		9:10:31.651	3050	96	-17.2		16153.	RRCSM	UMTS FDD	Downlink	9:10:32,021	DCCH	MEASUREMENT_CONTROL
				3921.	-97.6	9:10:32.022	3050	96			16154.	RRCSM	UMTS FDD	Uplink	9:10:32.562	DCCH	MEASUREMENT_REPORT
				3922.	and and	9:10:32.022	3050	96	-13.9		16155.	RRCSM	UMTS FDD	Downlink	9:10:32.562	DCCH	RADIO_BEARER_SETUP
				3923.	-99	9:10:32.619	3050	96			16156.	RRCSM	UMTS FDD	Uplink	9:10:32.619	DCCH	RADIO_BEARER_SETUP_COMPLETE
				3924.	to the state	9:10:32.619	3050	96	-16		16157.	RRCSM	UMTS FDD	Downlink	9:10:32.943	DCCH	MEASUREMENT_CONTROL
				3925.	-98.1	9:10:33,081	3050	477			16158,	RRCSM	UMTS FDD	Downlink	9:10:33.075	DCCH	MEASUREMENT_CONTROL
				3926.		9:10:33.081	3050	477	-15.5		16159.	RRCSM	UMTS FDD	Downlink	9:10:33.081	DCCH	RADIO_BEARER_RECONFIGURATION
				3927.	-99.5	9:10:33.608	3050	96			16160.	RRCSM	UMTS FDD	Uplink	9:10:33.081	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
				3928.		9:10:33.608	3050	96	-15.9		16161.	RRCSM	UMTS FDD	Downlink	9:10:33.330	DCCH	DOWNLINK_DIRECT_TRANSFER
				3929.	-100.6	9:10:34.104	3050	96			16162.	L3SM	UMTS FDD	Downlink	9:10:33.330	DCCH	MODIFY_PDP_CONTEXT_REQUEST
				3930.		9:10:34.104	3050	96	-16.4		16163.	RRCSM	UMTS FDD	Uplink	9:10:33.331	DCCH	UPLINK_DIRECT_TRANSFER
				3931.	-102.1	9:10:34.613	3050	96			16164.	L3SM	UMTS FDD	Uplink	9:10:33.331	DCCH	MODIFY_PDP_CONTEXT_ACCEPT
				3932.		9:10:34.613	3050	96	-19.2		16165.	RRCSM	UMTS FDD	Uplink	9:10:34.338	DCCH	MEASUREMENT_REPORT
				3933.	-102	9:10:35.214	3050	477			16166.	RRCSM	UMTS FDD	Uplink	9:10:34.338	DCCH	MEASUREMENT_REPORT
				3934.		9:10:35.214	3050	477	-18		16167.	RRCSM	UMTS FDD	Uplink	9:10:36.009	DCCH	UPLINK_DIRECT_TRANSFER
				3935.	-101.4	9:10:35.829	3050	477			16168.	L3SM	UMTS FDD	Uplink	9:10:36.009	DCCH	DISCONNECT
				3936.	MCSIR	9:10:35.829	3050	477	-18.8	*	16169.	RRCSM	UMTS FDD	Downlink	9:10:36.009	DCCH	DOWNLINK_DIRECT_TRANSFER
•				+ 4					•		•	4					

- This call failure event occurred on short call at 09:10:35:829 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 96 and RF condition RSCP -104.6 dBm Ec/No -21.7 dB both are poor.
- As per the analysis call failed happened due to poor coverage of the network.



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

1	Time	System	Serving band			1. best active RSCP	Time	Ch	SC	1. best .			Event ID	System	Transf, dir.	Time	Subchannel	Message name
1,8	9:10:35.829	UMTS FDD	900	Time	6148.	-57.3	9:35:04.635	3050	136			24034.	RRCSM	UMTS FDD	Downlink	9:34:52.671	DCCH	MEASUREMENT_CONTROL
2.	9:35:10.261	UMTS FDD	900	Norr	6149.		9:35:04.635	3050	136	-6.6		24035.	RRCSM	UMTS FDD	Downlink	9:34:52.681	DCCH	MEASUREMENT_CONTROL
					6150.	-56.5	9:35:05.432	3050	136			24036.	RRCSM	UMTS FDD	Downlink	9:34:52.720	DCCH	DOWNLINK_DIRECT_TRANSFER
					6151.		9:35:05.432	3050	136	-8.8		24037.	L3SM	UMTS FDD	Downlink	9:34:52.720	DCCH	AUTHENTICATION_REQUEST
					6152	-64	9:35:06.072	3050	136			24038.	RRCSM	UMTS FDD	Uplink	9:34:52.772	DCCH	MEASUREMENT_REPORT
					6153.		9:35:06.072	3050	136	-8.8		24039.	RRCSM	UMTS FDD	Uplink	9:34:52.814	DCCH	UPLINK_DIRECT_TRANSFER
					6154.	-64.4	9:35:06.301	3050	136			24040.	L3SM	UMTS FDD	Uplink	9:34:52.814	DCCH	AUTHENTICATION_RESPONSE
					6155.	-0.0	9:35:06.301	3050	136	-14.1		24041.	RRCSM	UMTS FDD	Downlink	9:34:52.911	DCCH	SECURITY_MODE_COMMAND
					6156.	-69.6	9:35:06.801	3050	136			24042.	RRCSM	UMTS FDD	Uplink	9:34:52.911	DCCH	SECURITY_MODE_COMPLETE
					6157.	I RANGASSA	9:35:06.801	3050	136	-14.2		24043.	RRCSM	UMTS FDD	Uplink	9:34:52.975	DCCH	MEASUREMENT_REPORT
					6158.	-60	9:35:07.308	3050	136			24044.	RRCSM	UMTS FDD	Uplink	9:34:53.002	DCCH	UPLINK_DIRECT_TRANSFER
					6159.	200	9:35:07.308	3050	136	-7.1		24045.	L3SM	UMTS FDD	Uplink	9:34:53,002	DCCH	SETUP
					6160.	-60.7	9:35:08.022	3050	136			24046.	RRCSM	UMTS FDD	Downlink	9:34:53.011	DCCH	DOWNLINK_DIRECT_TRANSFER
					6161.		9:35:08.022	3050	136	-6.6		24047.	L3SM	UMTS FDD	Downlink	9:34:53.011	DCCH	IDENTITY_REQUEST
					6162.	-64.4	9:35:08.301	3050	136			24048.	RRCSM	UMTS FDD	Uplink	9:34:53.011	DCCH	UPLINK_DIRECT_TRANSFER
					6163.		9:35:08.301	3050	136	-7.8		24049.	L3SM	UMTS FDD	Uplink	9:34:53.011	DCCH	IDENTITY_RESPONSE
					6164.	-59.7	9:35:09.023	3050	136			24050.	RRCSM	UMTS FDD	Uplink	9:34:53.022	DCCH	MEASUREMENT_REPORT
					6165.		9:35:09.023	3050	136	-5.9	- 1-1	24051,	RRCSM	UMTS FDD	Uplink	9:34:53.075	DCCH	MEASUREMENT_REPORT
					6166.	-62.3	9:35:09.554	3050	136	74/5		24052.	RRCSM	UMTS FDD	Downlink	9:34:53.091	DCCH	ACTIVE_SET_UPDATE
					6167.		9:35:09.554	3050	136	-6.7		24053.	RRCSM	UMTS FDD	Uplink	9:34:53.102	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					6168.	-63.4	9:35:10.078	3050	136			24054.	RRCSM	UMTS FDD	Downlink	9:34:53.141	DCCH	DOWNLINK_DIRECT_TRANSFER
					6169.		9:35:10.078	3050	136	-8		24055.	LESM	UMTS FOO	Downlink	9:34:53.141	DCCH	CALL_PROCEEDING
					6170.	-75.2	9:35:41.945	10588	297			24056.	RRCSM	UMTS FDD	Downlink	9:34:53,220	DCCH	MEASUREMENT_CONTROL
					6171.		9:35:41.945	10588	297	-8.7		24057.	RRCSM	UMTS FDD	Downlink	9:34:53.231	DCCH	ACTIVE_SET_UPDATE
					6172.	-75.9	9:35:42.428	10588	297			24058.	RRCSM	UMTS FDD	Uplink	9:34:53.242	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					6173.	11/01/	9:35:42.428	10588	297	-15.6	H	24059.	RRCSM	UMTS FDD	Downlink	9:34:53.351	DCCH	MEASUREMENT_CONTROL
					6174.	-79	9:35:43.018	10588	297			24060.	RRCSM	UMTS FDD	Uplink	9:34:53.825	DCCH	MEASUREMENT_REPORT
					6175.		9:35:43.018	10588	297	-19,3		24061.	RRCSM	UMTS FDD	Uplink	9:34:53.862	DCCH	MEASUREMENT_REPORT
					6176.	-80.8	9:35:47,368	10588	136	-	_	24062.	RRCSM	UMTS FDD	Uplink	9:34:53.965	DCCH	MEASUREMENT_REPORT
					6177.	1000000	9:35:47.368	10588	136	-15		24063.	RRCSM	UMTS FDD	Uplink	9:34:54.425	DCCH	MEASUREMENT_REPORT
					6178.	-68.6	9:35:47,770	10588	136			24064.	RRCSM	UMTS FDD	Uplink	9:34:54.465	DCCH	MEASUREMENT_REPORT
					6179.		9:35:47.770	10588	136	-6.5		24065.	RRCSM	UMTS FDD	Downlink	9:34:54.571	DCCH	ACTIVE_SET_UPDATE
					6180.	-70.2	9:35:48.255	10588	136			24066.	RRCSM	UMTS FDD	Uplink	9:34:54.602	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					6181.	Post Service	9:35:48.255	10588	136	-7.4		24067.	RRCSM	UMTS FDD	Downlink	9:34:54.701	DCCH	MEASUREMENT_CONTROL
					6182.	-65.1	9:35:48.788	10588	136			24068.	RRCSM	UMTS FDD	Downlink	9:34:54,711	DCCH	ACTIVE_SET_UPDATE
					6183.	00000	9:35:48,788	10588	136	-11.8	H.	24069.	RRCSM	UMTS FDD	Uplink	9:34:54,742	DCCH	ACTIVE_SET_UPDATE_COMPLETE
					6184.	-73.4	9:35:49.268	10588	136	¥705.	٠	24070.	RRCSM	UMTS FDD	Downlink	9:34:54.797	BCCH_BCH	SYSTEM_INFORMATION_BCH
•				,	()		•	4					

- This call failure event occurred on short call at 09:35:10:261 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 136 and RF condition RSCP -63.4 dBm and Ec/No -8 dB both are good.
- Need to check MT End.



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

	Time		Band	Band (MHz)	Ch	PCI	RSRP	SNR	4		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
9422.	9:34:51.082	Serving	B20	800	6400	19	-90.4			23496.	RRCSM	LTE FDD	Uplink	9:34:47.058	DCCH	MeasurementReport	
9423.	9:34:51.082							-0.3		23497.	RRCSM	LTE FDD	Downlink	9:34:47,081	DCCH	RRCConnectionReconfiguration	
9424.	9:34:51.594	Serving	B20	800	6400	19	-92.5			23498.	RRCSM	LTE FDD	Uplink	9:34:47.090	DCCH	RRCConnectionReconfigurationComplete	
9425.	9:34:51,594							0.1		23499,	RRCSM	LTE FDD	Uplink	9:34:47.458	DCCH	MeasurementReport	
9426.	9:34:52.311	Serving	B20	800	6400	19	-92.3			23500.	RRCSM	LTE FDD	Downlink	9:34:47,524	DCCH	RRCConnectionReconfiguration	
9427.	9:34:52,311							1.9		23501.	RRCSM	LTE FDD	Uplink	9:34:47.541	DCCH	RRCConnectionReconfigurationComplete	
9428.	9:34:52.597	Serving	B20	800	6400	19	-93.6			23502.	RRCSM	LTE FDD	Downlink	9:34:47.588	BCCH-SCH	SystemInformationBlockType1	
9429.	9:34:52.597							-0.2		23503.	RRCSM	LTE FDD	Downlink	9:34:47.589	BCCH-SCH	SystemInformation - SIB2, SIB3	
9430.	9:34:53.227	Serving	B20	800	6400	19	-92.4			23504.	RRCSM	LTE FDD	Downlink	9:34:47,589	BCCH-SCH	SystemInformation - SIB6	
9431.	9:34:53.227							40.5		23505.	RRCSM	LTE FDD	Downlink	9:34:47.609	DCCH	RRCConnectionReconfiguration	
9432.	9:34:53.558	Serving	B20	800	6400	19	-89.4			23506.	RRCSM	LTE FDD	Uplink	9:34:47.616	DCCH	RRCConnectionReconfigurationComplete	
9433.	9:34:53.558							-7.5		23507.	RRCSM	LTE FDD	Uplink	9:34:47.678	DCCH	MeasurementReport	
9434.	9:34:54.084	Serving	B20	800	6400	19	-89.4			23508.	RRCSM	LTE FDD	Downlink	9:34:47.691	DCCH	RRCConnectionReconfiguration	
9435.	9:34:54.685	Serving	B20	800	6400	19	-89.8			23509.	RRCSM	LTE FDD	Uplink	9:34:47.692	DCCH	RRCConnectionReconfigurationComplete	
9436.	9:34:54.685							-6		23510.	RRCSM	LTE FDD	Uplink	9:34:50,103	DCCH	MeasurementReport	
9437.	9:34:56.085	Serving	B20	800	6400	19	-82.6			23511.	RRCSM	LTEFDD	Downlink	9:34:50.154	DCCH	RRCConnectionReconfiguration	
9438.	9:34:56.085							-7.4		23512.	RRCSM	LTE FDD	Uplink	9:34:50.163	DCCH	RRCConnectionReconfigurationComplete	
9439.	9:34:57.233	Serving	B20	800	6400	19	-80.1			23513.	RRCSM	LTE FDD	Downlink	9:34:52,189	DCCH	RRCConnectionReconfiguration	
9440.	9:34:57,233							4.7		23514.	RRCSM	LTE FDD	Uplink	9:34:52,199	DCCH	RRCConnectionReconfigurationComplete	
9441.	9:34:57.325	Serving	B20	800	6400	19	-80.1			23515.	RRCSM	LTE FDD	Uplink	9:34:52.339	DCCH	MeasurementReport	
9442	9:34:58.714	Serving	B20	800	6400	19	-92.9			23516.	RRCSM	LTE FDD	Downlink	9:34:52.362	DCCH	RRCConnectionReconfiguration	
9443.	9:34:58.714	Investigation of		1000				-8.2		23517.	RRCSM	LTE FDD	Uplink	9:34:52.364	DCCH	RRCConnectionReconfigurationComplete	
9444.	9:35:00.033	Serving	B20	800	6400	15	-69.1			23518.	RRCSM	LTE FDD	Downlink	9:34:53,389	DCCH	RRCConnectionRelease	
9445.	9:35:00.033							-6		23519.	RRCSM	LTE FDD	Downlink	9:35:00.005	BCCH-SCH	SystemInformationBlockType1	
9446.	9:35:00.255	Serving	B20	800	6400	15	-71.8			23520.	RRCSM	LTE FDD	Downlink	9:35:00.005	BCCH-SCH	SystemInformation - SIB2, SIB3	
9447.	9:35:00:255							14.2		23521.	RRCSM	LTE FDD	Downlink	9:35:00.005	BCCH-SCH	SystemInformation - SIB6	
9448.	9:35:01,530	Serving	B20	800	6400	15	-69.2			23522.	RRCSM	LTE FDD	Downlink	9:35:05.370	PCCH	Paging	
9449.	9:35:01.530							13.4		23523.	RRCSM	LTE FDD	Downlink	9:35:09.210	PCCH	Paging	
9450.	9:35:03.084	Serving	B20	800	6400	15	-70.5			23524.	RRCSM	LTE FDD	Downlink	9:35:10.490	PCCH	Paging	
9451.	9:35:03.084							8.1	-1	23525.	L3SM	LTE FDD	Uplink	9:35:10.491		SERVICE_REQUEST	
9452	9:35:04.383	Serving	B20	800	6400	15	+70.1			23526.	RRCSM	LTE FDD	Uplink	9:35:10.491	CCCH	RRCConnectionRequest	
9453.	9:35:04,383							10.6		23527.	RRCSM	LTE FDD	Downlink	9:35:10.549	CCCH	RRCConnectionSetup	
9454.	9:35:05.558	Serving	B20	800	6400	15	-69.6			23528.	RRCSM	LTEFDD	Uplink	9:35:10.553	DCCH	RRCConnectionSetupComplete	
9455.	9:35:05.558							11.2		23529.	RRCSM	LTE FDD	Downlink	9:35:10.708	DCCH	DLInformationTransfer	
9456.	9:35:06.660	Serving	B20	800	6400	15	-70.6			23530.	L3SM	LTE FDD	Downlink	9:35:10.709		AUTHENTICATION_REQUEST	
9457.	9:35:06.660	0.89						8.2		23531.	L3SM	LTE FDD	Uplink	9:35:10.851		AUTHENTICATION_RESPONSE	
9458.	9:35:08.084	Serving	B20	800	6400	15	-69.1		+	23532.	RRCSM	LTE FDD	Uplink	9:35:10.852	DCCH	ULInformationTransfer	*
4						1				4	1						M

- On MT End, During the setup fail, UE was latched with PCI 19 and RF condition RSRP -92.9 dBm is good but SINR -8.2 dB was poor.
- As per the analysis call failure happened due to Poor quality of the network.



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

	Time	System	Serving band			Time	RxLev sub	ARFCN	BSIC	LAC	RAC	RXQ st		Event ID	System	Transf. dir.	Time	Subchannel	Message name	À
1.	9:07:30.577	GSM	900	Call	990.	9:07:22.329	-88	19	1770	1	0		12819	L3SM	GSM	Uplink	9:07:27.834	SACCH	MEASUREMENT_REPORT	
2.	9:08:26.464	UMTS FDD	2100	Call	991,	9:07:22.827	-88	19		1	0		12820	L3SM	GSM	Uplink	9:07:28.304	SACCH	MEASUREMENT_REPORT	
					992.	9:07:23.241	-89	19		1	0		12821	L3SM	GSM	Uplink	9:07:28.775	SACCH	MEASUREMENT_REPORT	
					993.	9:07:23,800	-86	19		1	0		12822	L3SM	GSM	Downlink	9:07:29,214	DCCH	CHANNEL_RELEASE	
					994,	9:07:23.800						0	12823	L3SM	GSM	Downlink	9:07:29.993	BCCH	SYSTEM_INFORMATION_TYPE_4	
					995.	9:07:24.270	-84	19		1:	0		12824	L3SM	GSM	Downlink	9:07:30.086	BCCH	SYSTEM_INFORMATION_TYPE_1	
					996.	9:07:24.538						1	12825	L3SM	GSM	Downlink	9:07:30.087	BCCH	SYSTEM_INFORMATION_TYPE_2	
					997.	9:07:24.654	-87	19		1.	0		12826	L3SM	GSM	Downlink	9:07:30.087	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER	
					998.	9:07:25.009						5	12827	L3SM	GSM	Downlink	9:07:30.087	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER	
					999,	9:07:25.212	-92	19		1	0		12828	L3SM	GSM	Downlink	9:07:30.087	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER	
					1000.	9:07:25.480						0	12829	L3SM	GSM	Downlink	9:07:30.087	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER	
					1001,	9:07:25.951						5	12830	L3SM	GSM	Downlink	9:07:30.087	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER	
					1002.	9:07:26.072	-94	19		1	0		12831	L3SM	GSM	Downlink	9:07:30.087	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER	
					1003.	9:07:26,421						3	12832	L3SM	GSM	Downlink	9:07:30.087	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER	
					1004.	9:07:26.892						5	12833	13SM	GSM	Downlink	9:07:30.087	BCCH	SYSTEM_INFORMATION_TYPE_2QUATER	
					1005.	9:07:27.075	-90	19		11	0	×	12834	13SM	GSM	Downlink	9:07:30.087	BCCH	SYSTEM_INFORMATION_TYPE_13	
					1006.	9:07:27.363						1	12835	L3SM	GSM	Downlink	9:07:30.087	BCCH	SYSTEM_INFORMATION_TYPE_4	
					1007.	9:07:27.834						1	12836	L3SM	GSM	Downlink	9:07:30.088	BCCH	SYSTEM_INFORMATION_TYPE_3	
					1008.	9:07:28.074	-90	19		1	0		12837	L3SM	GSM	Downlink	9:07:30.150	CCCH	PAGING_REQUEST_TYPE_1	
					1009.	9:07:28.304						7	12838	L3SM	GSM	Downlink	9:07:30.178	CCCH	IMMEDIATE_ASSIGNMENT	
					1010.	9:07:28.305	-93	19		1	0		12839	L3SM	GSM	Downlink	9:07:30.288	CCCH	PAGING_REQUEST_TYPE_1	
					1011.	9:07:29.017	-95	19		1	0		12840	MACSM	GSM	Uplink	9:07:30.307	PACCH	PACKET_RESOURCE_REQUEST	
					1012.	9:07:29.361	-95	19		1	0		12841	L3SM	GSM	Downlink	9:07:30.321	BCCH	SYSTEM_INFORMATION_TYPE_13	
					1013.	9:07:29.361							12842	MACSM	GSM	Downlink	9:07:30.443	PAGCH	PACKET_UPLINK_ASSIGNMENT	
					1014.	9:07:30.577	.95	19		1	0		12843	MACSM	GSM	Uplink	9:07:30.443	PACCH	PACKET_UPLINK_DUMMY_CONTROL_BLOCK	
					1015.	9:07:31.061				1	0		12844	MACSM	GSM	Downlink	9:07:30.898	PACCH	PACKET_UPLINK_ACK/NACK	
					1016.	9:07:31.694	-78	5	38	1	0		12845	MACSM	GSM	Downlink	9:07:30.898	PACCH	PACKET_DOWNLINK_ASSIGNMENT	
					1017.	9:07:32.238	-78	5	38	1	0		12846	MACSM	GSM	Downlink	9:07:30.898	PACCH	PACKET_POWER_CONTROL/TIMING_ADVANCE	
					1018.	9:07:32.584	-80	5	38	1	0		12847	MACSM	GSM	Uplink	9:07:30.898	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK	
					1019.	9:07:33.127	-79	5	38	1	0		12848	MACSM	GSM	Uplink	9:07:30.923	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK	
					1020.	9:07:33.493	-78	5	38	1	0		12849	MACSM	GSM	Uplink	9:07:31.925	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK	
					1021.	9:07:34.072	-77	5	38	1	0		12850	MACSM	GSM	Downlink	9:07:32.626	PACCH	PACKET_UPLINK_ACK/NACK	
					1022.	9:07:34.371	-76	5	38	1	0		12851	MACSM	GSM	Uplink	9:07:32.663	PACCH	EGPRS_PACKET_DOWNLINK_ACK/NACK	
					1023.	9:07:35.075				1	0		12852	MACSM	GSM	Uplink	9:07:33.065	U10000	EGPRS_PACKET_DOWNLINK_ACK/NACK	
					1024.	9:07:36.378	-76	5	38	1	0		12853	MACSM		Uplink	9:07:33.221	P1000000000000000000000000000000000000	EGPRS_PACKET_DOWNLINK_ACK/NACK	
					1025.	9:07:40.013				1	0		12854	L3SM	GSM	Downlink	9:07:33.902		PAGING_REQUEST_TYPE_1	
					1026.	9:07:41.074	.79	5	38	1	0	٠,	12855	L3SM	GSM	Downlink	9:07:34.370	СССН	PAGING REQUEST TYPE 1	-

- This call failure event occurred on short call at 09:07:30:577 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 19 and RF condition Rx lev -95 dBm is poor and Rx qual 0 dB was very good.
- As per the Analysis the call setup failure event occurred due to poor coverage of the network.



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

	Time	System	Serving ban	d		1. best active RSCP	Time	Ch	sc.	1. best	121		Event ID	System	Transf, dir.	Time	Subchannel	Maccaga pama	1
t.	9:07:30.577	the second second	900	Call	3253.	-100.5	9:08:21.411		-	1. Dest	Ξ.	13247	RRCSM			9:08:25.997	-	Message name SCHEDULING_BLOCK_1	
2.	9:08:25.464	And the second second second	The state of the s	Call	3254.	-100.3	9:08:21.411			19.6		13248.	RRCSM		Downlink	9:08:26.017	1002000000000000	SYSTEM_INFORMATION_BCH	
	Relativistical	CIMIC STATE	(Civo:	Call	3255.	-104.7	9:08:21.998			-12.0		13249.	RRCSM			9:08:26.017		MASTER_INFORMATION_BLOCK	
					3256.	-104.7	9:08:21.998			.24.9		Printerpowership	RRCSM			9:08:26.017		SYSTEM_INFORMATION_BLOCK_TYPE_7	
					3257.	-100.2	9:08:22.358					13251,	RRCSM					SYSTEM_INFORMATION_BCH	
					3258.	100.2	9:08:22.358		to be the later to	.24.9	41	13252.	RRCSM	The state of the s	the best for both the both	Entered Interest in	A STATE OF THE PARTY OF	SYSTEM_INFORMATION_BLOCK_TYPE_2	
					3259.	-104.2	9:08:23.020		100	2.713		13253.	RRCSM	Amely description of part of age	And the second second	9:08:26.037		SYSTEM_INFORMATION_BLOCK_TYPE_3	
					3260.	-27.19	9:08:23.020		1 1 2 2 2 3	-25.8		13254.	RRCSM			9:08:26.217		SYSTEM_INFORMATION_BCH	
					3261.	-102.3	9:08:23.649				П	13255.	RRCSM			9:08:26.237	Particulation Transcript and	SYSTEM INFORMATION BCH	
					3262.	- 107.00	9:08:23.649			-18.1		13256.	RRCSM			9:08:26.257	STATE OF THE PERSONS AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRE	SYSTEM_INFORMATION_BCH	
					3263.	-103.2	9:08:24.212					13257.	RRCSM			9:08:26.257	A STATE OF THE STREET	MASTER INFORMATION BLOCK	
					3264.		9:08:24.212	10690	72	-20.4		13258.	RRCSM	provide at a particular to the local party.	Part Carrier Street, Line Contract	9:08:26.257	\$100 ACC 100 A	SYSTEM_INFORMATION_BLOCK_TYPE_7	
					3265.	-107.7	9:08:24.401					13259.	RRCSM			9:08:26.277	A STATE OF THE STA	SYSTEM_INFORMATION_BCH	
					3266.	10000	9:08:24.401	10690	72	-23.5		13260.	RRCSM	UMTS FDD	Downlink	9:08:26.277	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_5	
					3267.	-110.2	9:08:25.122	10690	72			13261.	RRCSM	UMTS FDD	Downlink	9:08:26.297	BCCH_BCH	SYSTEM_INFORMATION_BCH	
					3268.	5000000	9:08:25.122	10690	72	-24,4		13262.	RRCSM			9:08:26.297	AL DEVINE HOUSE CONTINUE	SYSTEM_INFORMATION_BLOCK_TYPE_1	
					3269.	-104.6	9:08:25,584	10690	316		_	13263.	RRCSM	UMTS FDD	Downlink	9:08:26.317	BCCH_BCH	SYSTEM_INFORMATION_BCH	- 1
					3270.		9:08:25.584	10690	316	-21.1		13264.	RRCSM	UMTS FDD	Downlink	9:08:26.317	BCCH	SCHEDULING_BLOCK_1	
					3271.	-110.7	9:08:26.040	10690	72			13265.	RRCSM	UMTS FDD	Downlink	9:08:26.377	BCCH_BCH	SYSTEM_INFORMATION_BCH	
					3272.		9:08:26.040	10690	72	-24.7		13266.	RRCSM	UMTS FDD	Downlink	9:08:26.377	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_19	
					3273,	-110.7	9:08:26.464	10690	72			13267.	RRCSM	UMTS FDD	Downlink	9:08:26.377	BCCH_BCH	SYSTEM_INFORMATION_BLOCK_TYPE_19	
					3274.		9:08:26.464	10690	72	-24.7	1	13268.	RRCSM	UMTS FD0	Uplink	9:08:26.448	CCCH	RRC_CONNECTION_REQUEST	
					3275,	-110.7	9:08:27.115	10690	72			13269,	RRCSM	UMTS FDD	Downlink	9:08:26.477	BCCH_BCH	SYSTEM_INFORMATION_BCH	
					3276.		9:08:27.115	10690	72	-24.7		13270.	RRCSM	UMTS FDD	Downlink	9:08:26.497	BCCH_BCH	SYSTEM_INFORMATION_BCH	
					3277,	-95.2	9:08:27.616	10690	122			13271.	RRCSM	UMTS FDD	Downlink	9:08:26.497	BCCH	MASTER_INFORMATION_BLOCK	
					3278.	Constitution and the second	9:08:27.616	10690	122	-12.6		13272.	RRCSM	UMTS FDD	Downlink	9:08:26.497	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_7	
					3279.	-95.4	9:08:28.073	10690	122			13273.	RRCSM	UMTS FDD	Downlink	9:08:26.517	BCCH_BCH	SYSTEM_INFORMATION_BCH	
					3280.		9:08:28,073	-		-15.7		-	RRCSM	UMTS FDD	Downlink	9:08:26.517	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_2	
					3281.	-90.8	9:08:28.548	10690	122			13275,	RRCSM	and the second state of	Downlink	9:08:26.517	BCCH	SYSTEM_INFORMATION_BLOCK_TYPE_3	
					3282.		9:08:28.548	10690	122	-11		13276.	RRCSM		Downlink	9:08:26.537	All the state of the confidence of the last	SYSTEM_INFORMATION_BCH	
					3283.	-84.9	9:08:29.251					13277.	RRCSM			9:08:26.557	A HARACON CHANGE	SYSTEM_INFORMATION_BCH	
					3284.	California III	9:08:29.251			-7.5		13278.	RRCSM			9:08:26,577		SYSTEM_INFORMATION_BCH	
					3285.	-84.9	9:08:29,408	00000				13279.	RRCSM	Charles and a second	Transfer Constitution (9:08:26.577	DECEMBER 1	MASTER_INFORMATION_BLOCK	
					3286.	72X72	9:08:29.406			-7.5		13280.	RRCSM			9:08:26.577		SYSTEM_INFORMATION_BLOCK_TYPE_7	
					3287.	-90.5	9:08:30.071					13281.	RRCSM		TO STATE OF THE PARTY OF THE PA	9:08:26.597	1000	SYSTEM_INFORMATION_BCH	
					3288.	E-001/4	9:08:30.071			-12.4		13282.	RRCSM		Downlink			SYSTEM_INFORMATION_BLOCK_TYPE_5	
					3289.	-103	9:08:59.078	10690	202		V	13283.	RRCSM	UMTS FDD	Downlink	9:08:26.610	CCCH	RRC_CONNECTION_SETUP	7

- This call failure event occurred on short call at 09:08:26:464 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 72 and RF condition RSCP -110.7 dBm Ec/No -24.7 dB both are poor.
- As per the analysis call failed happened due to poor coverage of the network.



Phase-2 Call Drop Analysis 1 From MS9 Airtel MO

	Time	CONTRACTOR AND ADDRESS.	ALMONON SURVEY OF THE PROPERTY.	nd Call type		1. best active RSCP	Time	Ch	SC	1. best	•		Event ID	System	Transf. dir.	Time	Subchannel	Message name	
1.	9:14:03.662	UMTS FDD	900	Voice call	6112.	-77.4	9:13:54.077	3050	477		1	1925.	RRCSM	UMTS FDD	Uplink	9:13:31.911	DCCH	MEASUREMENT_REPORT	
					6113.		9:13:54.077	3050	477	-8.2	1	1926.	RRCSM	UMTS FDD	Uplink	9:13:32.755	DCCH	MEASUREMENT_REPORT	
					6114.	-76.6	9:13:54.637	3050	477		1	1927.	RRCSM	UMTS FDD	Downlink	9:13:32.997	DCCH	ACTIVE_SET_UPDATE	
					6115.		9:13:54.637	3050	477	-4.9	1	1928.	RRCSM	UMTS FDD	Uplink	9:13:33.028	DCCH	ACTIVE_SET_UPDATE_COMPLETE	
					6116.	-77	9:13:55.080	3050	477		1	1929.	RRCSM	UMTS FDD	Downlink	9:13:33,397	DCCH	MEASUREMENT_CONTROL	
					6117,	10000	9:13:55.080	3050	477	-7.2	1	1930.	RRCSM	UMTS FDD	Uplink	9:13:33.903	DCCH	MEASUREMENT_REPORT	
					6118.	-80.1	9:13:55.647	3050	477		1	1931.	RRCSM	UMTS FDD	Downlink	9:13:34.157	DCCH	ACTIVE_SET_UPDATE	
					6119.	The same	9:13:55.647	3050	477	-8.9	1	11932.	RRCSM	UMTS FDD	Uplink	9:13:34.168	DCCH	ACTIVE_SET_UPDATE_COMPLETE	
					6120.	-72.9	9:13:56.147	3050	477		1	11933.	RRCSM	UMTS FDD	Downlink	9:13:34.557	DCCH	MEASUREMENT_CONTROL	
					6121.		9:13:56.147	3050	477	-4.6	1	1934.	RRCSM	UMTS FDD	Uplink	9:13:35,222	DCCH	MEASUREMENT_REPORT	
					6122.	-67.9	9:13:56.637	3050	477		1	1935.	RRCSM	UMTS FDD	Downlink	9:13:35.437	DCCH	ACTIVE_SET_UPDATE	
					6123.		9:13:56.637	3050	477	-5,7	1	1936.	RRCSM	UMTS FDD	Uplink	9:13:35.468	DCCH	ACTIVE_SET_UPDATE_COMPLETE	
					6124.	-71.8	9:13:57.137	3050	477		1	1937.	RRCSM	UMTS FDD	Uplink	9:13:35.699	DCCH	MEASUREMENT_REPORT	
					6125.	1000	9:13:57.137	3050	477	4.5	1	11938.	RRCSM	UMTS FDD	Downlink	9:13:35.877	DCCH	MEASUREMENT_CONTROL	
					6126.	-80.2	9:13:57.637	3050	477		1	1939.	RRCSM	UMTS FDD	Uplink	9:13:38,210	DCCH	MEASUREMENT_REPORT	
					6127.	Market 1	9:13:57.637	3050	477	-6.5	1	1940.	RRCSM	UMTS FDD	Uplink	9:13:47.522	DCCH	MEASUREMENT_REPORT	
					6128.	-74.2	9:13:58.137	3050	477		1	1941.	RRCSM	UMTS FDD	Uplink	9:13:57.999	DCCH	MEASUREMENT_REPORT	
					6129.		9:13:58.137	3050	477	-5	1	1942.	RRCSM	UMTS FDD	Downlink	9:13:58,397	DCCH	RADIO_BEARER_RECONFIGURATION	
					6130.	-81.9	9:13:58.860	3050	477		1	1943.	RRCSM	UMTS FDD	Uplink	9:13:58.800	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE	
					6131,		9:13:58.860	3050	477	-7.4	_ 1	1944.	RRCSM	UMTS FDD	Uplink	9:13:59.139	DCCH	MEASUREMENT_REPORT	
					6132.	-73	9:13:59.207	3050	477		1	1945.	RRCSM	UMTS FDD	Downlink	9:13:59.197	DCCH	MEASUREMENT_CONTROL	
					6133.		9:13:59.207	3050	477	4.3	1	1946.	RRCSM	UMTS FDD	Downlink	9:14:03.557	DCCH	DOWNLINK_DIRECT_TRANSFER	
					6134.	-75.4	9:13:59.947	3050	477		1	1947.	L3SM	UMTS FDD	Downlink	9:14:03.557	DCCH	DISCONNECT	
					6135.	0000	9:13:59.947	3050	477	-5	1	1948.	RRCSM	UMTS FDD	Uplink	9:14:03.558	DCCH	UPLINK_DIRECT_TRANSFER	
					6136.	-72.7	9:14:00.287	3050	477		1	1949.	L3SM	UMTS FDD	Uplink	9:14:03.558	DCCH	RELEASE	
					6137.	etrative	9:14:00.287	3050	477	4.3	1	1950.	RRCSM	UMTS FDD	Downlink	9:14:03.797	DCCH	DOWNLINK_DIRECT_TRANSFER	
					6138.	-71.9	9:14:00.759	3050	477		1	1951.	L3SM	UMTS FDD	Downlink	9:14:03.797	DCCH	RELEASE_COMPLETE	
					6139.		9:14:00.759	3050	477	4.5	1	1952.	RRCSM	UMTS FDD	Downlink	9:14:04.116	DCCH	RADIO_BEARER_RELEASE	
					6140.	-85.4	9:14:01.299	3050	477		1	1953.	RRCSM	UMTS FDD	Uplink	9:14:04.509	DCCH	RADIO_BEARER_RELEASE_COMPLETE	
					6141.		9:14:01.299			-7.4	1	1954.	RRCSM	UMTS FDD	Uplink	9:14:04.511	DCCH	INITIAL_DIRECT_TRANSFER	
					6142.	-81.5	9:14:02.007	3050	477	Amin's Co	1	11955.	L3SM	UMTS FDD		9:14:04.511	DCCH	LOCATION_UPDATING_REQUEST	
					6143.		9:14:02.007		477	-6.7		SAMON[APROVED	RRCSM		Printer and the Artistan Print	9:14:04.916		DOWNLINK DIRECT TRANSFER	
					6144.	-70.9	9:14:02.327	3050	477		1	1957.	L3SM	UMTS FDD	Downlink	9:14:04,916	DCCH	AUTHENTICATION_REQUEST	
					6145.	and the	9:14:02.327		477	-5.5	- Carriedo	Interior in the later	(her mine) for the best plant	UMTS FDD		9:14:05.008		UPLINK_DIRECT_TRANSFER	
					6146.	-73.8	9:14:03.007				paten	-	L35M	UMTS FDD		9:14:05.008		AUTHENTICATION_RESPONSE	
					6147.	19200000	9:14:03.007			-6.2	100	100000				9:14:05.316		RADIO_BEARER_RELEASE	
					6148.	-83	9:14:03.547				A South	APROPERTY		UMTS FDD		9:14:05.718		RADIO_BEARER_RELEASE_COMPLETE	-

- This call drop event occurred on long call at 09:14:03:662 time when UE was latched with 3G network.
- After getting Alerting message at 09:13:02:912 time than Call drop happened.
- During the failure, UE was latched with PSC 477 and RF condition RSCP -80.2 dBm and Ec/No -6.5 dB both are ok.
- Need to check MT End.



Phase-2 Call Drop Analysis 1 From MS10 Airtel MT

	1. best active RSCP	Time	Ch	SC	1. best	4		Transf. dir.	Time	Subchannel	Message name
6233.		9:13:32.079	3050	477	.9.2	_	10674.	Downlink	9:13:34.245	DCCH	ACTIVE_SET_UPDATE
6234.	-78.9	9:13:32.496	3050	477			10675.	Uplink	9:13:34.276	DCCH	ACTIVE_SET_UPDATE_COMPLETE
6235.		9:13:32.496	3050	477	-7.8		10676.	Uplink	9:13:34.322	DCCH	MEASUREMENT_REPORT
6236.	-83.6	9:13:33.478	3050	493	MIGR		10677.	Uplink	9:13:34,403	DCCH	MEASUREMENT_REPORT
6237,		9:13:33.478	3050	493	-13.4		10678.	Uplink	9:13:34.535	DCCH	MEASUREMENT_REPORT
6238.	-82.5	9:13:33.992	3050	477			10679.	Downlink	9:13:34.685	DCCH	MEASUREMENT_CONTROL
6239.		9:13:33.992	3050	477	-11.5		10680.	Downlink	9:13:34.725	DCCH	ACTIVE_SET_UPDATE
6240.	-85.9	9:13:34.079	3050	477			10681.	Uplink	9:13:34.757	DCCH	ACTIVE_SET_UPDATE_COMPLETE
6241.	HISOSO	9:13:34.079	3050	477	-14		10682.	Downlink	9:13:35.125	DCCH	MEASUREMENT_CONTROL
6242.	-87.4	9:13:34.981	3050	79			10683.	Downlink	9:13:35.165	DCCH	MEASUREMENT_CONTROL
6243.	- Addition	9:13:34.981	3050	79	-15.7		10684.	Downlink	9:13:35.205	DCCH	ACTIVE_SET_UPDATE
6244.	-87.3	9:13:35.079	3050	477			10685.	Uplink	9:13:35.236	DCCH	ACTIVE_SET_UPDATE_COMPLETE
6245.		9:13:35.079	3050	477	-17		10686.	Downlink			MEASUREMENT_CONTROL
6246.	-82	9:13:35.965	3050	477			10687.	Downlink	9:13:35.605	DCCH	MEASUREMENT_CONTROL
6247.		9:13:35.965	3050	477	-9,4		10688.	Downlink	9:13:35.645	DCCH	ACTIVE_SET_UPDATE
6248.	-81.4	9:13:36.350	3050	477	ionar -		10689.	Uplink	9:13:35.676	DCCH	ACTIVE_SET_UPDATE_COMPLETE
6249.		9:13:36.350	3050	477	-9.3		10690.	Downlink	9:13:35.965	DCCH	MEASUREMENT_CONTROL
6250.	-78.3	9:13:36.991	3050	477			10691.	Uplink	9:13:36,839	DCCH	MEASUREMENT_REPORT
6251.	1	9:13:36.991	3050	477	-6.5		10692.	Downlink	9:13:37.085	DCCH	ACTIVE_SET_UPDATE
6252.	-79	9:13:37.358	3050	477			10693.	Uplink	9:13:37.116	DCCH	ACTIVE_SET_UPDATE_COMPLETE
6253.	oracle.	9:13:37.358	3050	477	-6.9		10694.	Uplink	9:13:37.478	DCCH	MEASUREMENT_REPORT
6254.	-69.9	9:13:38.022	3050	477			10695.	Downlink	9:13:37.485	DCCH	MEASUREMENT_CONTROL
6255,		9:13:38.022	3050	477	-5.3		10696.	Uplink	9:13:41.695	DCCH	MEASUREMENT_REPORT
6256.	-69.3	9:13:38.356	3050	477			10697.	Uplink	9:13:47.549	DCCH	MEASUREMENT_REPORT
6257.		9:13:38.356	3050	477	4.4		10698.	Uplink	9:13:51.426	DCCH	MEASUREMENT_REPORT
6258.	-70.1	9:13:38.992	3050	477			10699.	Downlink	9:13:51.805	DCCH	RADIO_BEARER_RECONFIGURATION
6259.		9:13:38.992	3050	477	4.6		10700.	Uplink	9:13:52.209	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
6260.	-68.1	9:13:39.496	3050	477			10701.	Downlink	9:13:52,405	DCCH	MEASUREMENT_CONTROL
6261,	0.000	9:13:39,496	3050	477	-5.1		10702.	Downlink	9:13:59.605	DCCH	RADIO_BEARER_RECONFIGURATION
6262.	-81.6	9:13:40.023	3050	477			10703.	Uplink	9:13:59.968	DCCH	RADIO_BEARER_RECONFIGURATION_COMPLETE
6263,	1061200	9:13:40.023	3050	477	-11.4		10704.	Downlink	9:14:00.165	DCCH	MEASUREMENT_CONTROL
6264.	-91.4	9:13:40.358	3050	477			10705.	Downlink	9:14:03.205	DCCH	DOWNLINK_DIRECT_TRANSFER
6265.		9:13:40.358	3050	477	-18.3		10706.	Downlink	9:14:03.205	DCCH	DISCONNECT
6266.	-80.9	9:13:41.079	3050	477			10707.	Uplink	9:14:03.206	DCCH	UPLINK_DIRECT_TRANSFER
6267.		9:13:41.079		477	-8.2		10708.	Uplink	9:14:03.206	DCCH	RELEASE
6268.	-67.1	9:13:41.358		477			10709.	Downlink			DOWNLINK_DIRECT_TRANSFER
6269.		9:13:41.358	Company of the last	477	4	+1	10710.	Downlink	9:14:03.445	DCCH	RELEASE COMPLETE

- During the call drop UE, was latched with PSC 477 and RF condition RSCP -78.3 dBm and EC/NO -6.5 dB both are good.
- On both MO And MT Side, RF Conditions seems OK Also there is no abnormal message regarding call drop.
- Need to check from Network End.



THANKS