Seychelles Static Test

District: PortGlaud
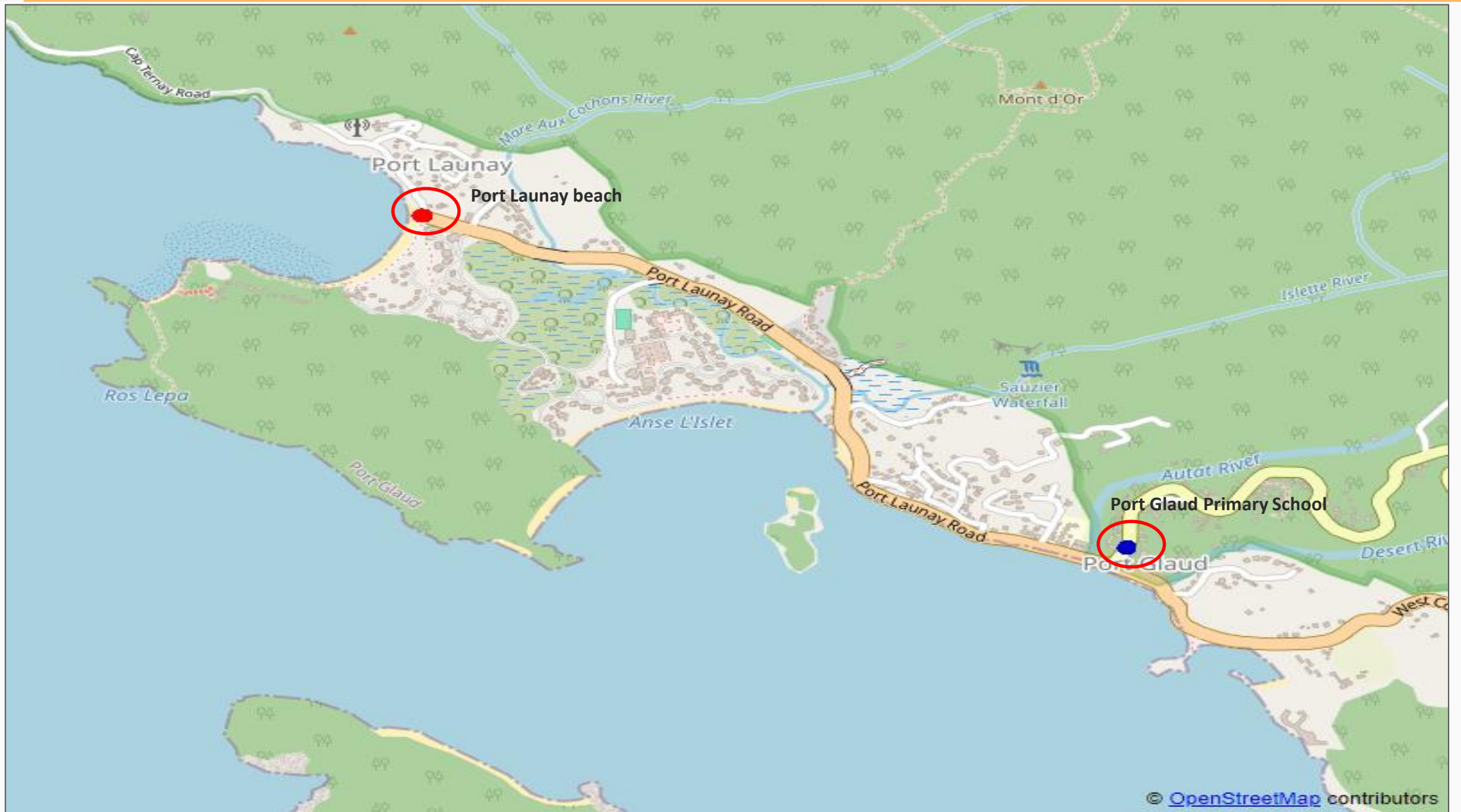
Date of Testing:- 11th Oct 2024

Report Date:- 30th Oct 2024

VOICE TEST METHODOLOGY

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

Port Glaud Primary School

Parameter	Airtel	CWS
Lat	-4.66356	-4.66356
Long	55.41728	55.41728
Avg. RSRP	-84.93	-102.11
Avg. SINR	23.48	9.27
Avg. RSRQ	-6.83	-9.14
Avg. RSCP	-88.68	-87.94
Avg. ECNO	-6.62	-6.35

4G Preferred Data Findings:

- **All SFTP UL & HTTP UL tests are failing specifically with the 4G connection through the CWS operator.**

- Airtel SFTP DL is (16.20 Mbps), while SFTP UL is (9.37 Mbps), CWS SFTP DL is (6.82 Mbps), while SFTP UL is (0.00 Mbps)

- Airtel HTTP DL is (27.06 Mbps), HTTP Capacity DL is (171.14 Mbps) ,HTTP UL is (16.49 Mbps) , and HTTP Capacity UL is (41.82 Mbps).

- CWS HTTP DL is (10.14 Mbps), HTTP Capacity DL is (35.09 Mbps) ,HTTP UL is (0.00 Mbps) , and HTTP Capacity UL is (6.30 Mbps).

- On live web page testing for browsing, www.shein.com took (6.51s), www.nbs.gov.sc took (16.62s), and www.sbc.sc took (15.96s) on Airtel.

- On live web page testing for browsing, www.shein.com took (6.13s), www.nbs.gov.sc took (14.66s), and www.sbc.sc took (15.69s) on CWS.

- On static browsing, Kepler Webpage took (3.95s), and Kepler Mobile took (1.74s) on Airtel.

- On static browsing, Kepler Webpage took (7.48s), and Kepler Mobile took (4.19s) on CWS.

- YouTube average resolution in Airtel is (1080.00) pixels.

- YouTube average resolution in CWS is (1080.00) pixels.

- Airtel scored 42.86% in Carrier Aggregation (CA).

- CWS scored 100.00% in Carrier Aggregation (CA).

3G Preferred Data Test Findings:

- **All HTTP UL tests are failing specifically with the 3G connection through the CWS operator.**

- Airtel SFTP DL is (5.89 Mbps), while SFTP UL is (2.05 Mbps), CWS SFTP DL is (3.49 Mbps), while SFTP UL is (0.07 Mbps)

- Airtel HTTP DL is (5.74 Mbps), HTTP Capacity DL is (7.32 Mbps) ,HTTP UL is (2.96 Mbps) , and HTTP Capacity UL is (4.34 Mbps).

- CWS HTTP DL is (3.17 Mbps), HTTP Capacity DL is (7.74 Mbps) ,HTTP UL is (0.00 Mbps) , and HTTP Capacity UL is (2.88 Mbps).

- On live web page testing for browsing, www.shein.com took (17.06s), www.nbs.gov.sc took (19.51s), and www.sbc.sc took (22.16s) on Airtel.

- On live web page testing for browsing, www.shein.com took (7.88s), www.nbs.gov.sc took (7.83s), and www.sbc.sc took (9.48s) on CWS.

- On static browsing, Kepler Webpage took (4.81s), and Kepler Mobile took (5.15s) on Airtel.

- On static browsing, Kepler Webpage took (6.98s), and Kepler Mobile took (3.38s) on CWS.

- YouTube average resolution in Airtel is (1044.37) pixels.

- YouTube average resolution in CWS is (1080.00) pixels.

DRIVE TEST KPI STATISTICS

	DATA Scenario	3G Preferred				4G Preferred			
		Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)	Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	5.89	3.49	1	2	16.20	6.82	1	2
	SFTP UL(Mbps)	2.05	0.07	1	2	9.37	0.00	1	2
	HTTP DL(Mbps)	5.74	3.17	1	2	27.06	10.14	1	2
	HTTP UL(Mbps)	2.96	0.00	1	2	16.49	0.00	1	2
	HTTP Capacity DL(Mbps)	7.32	7.74	2	1	171.14	35.09	1	2
	HTTP Capacity UL(Mbps)	4.34	2.88	1	2	41.82	6.30	1	2
BROWSER	Overall Browser DL Time (s)	14.45	7.11	2	1	9.03	9.62	1	2
	Kepler Webpage DL Time (s)	4.81	6.98	1	2	3.95	7.48	1	2
	Mobile Kepler Webpage DL Time (s)	5.15	3.38	2	1	1.74	4.19	1	2
	www.shein.com Webpage DL Time (s)	17.06	7.88	2	1	6.51	6.13	2	1
	www.nbs.gov.sc Webpage DL Time (s)	19.51	7.83	2	1	16.62	14.66	2	1
	www.sbc.sc Webpage DL Time (s)	22.16	9.48	2	1	15.96	15.69	2	1
LATENCY	Avg Latency (ms)	312.83	184.65	2	1	285.05	189.84	2	1
	Median Latency (ms)	399	194	2	1	320	197	2	1
YOUTUBE	YouTube Access Time (s)	3.60	2.10	2	1	5.15	1.46	2	1
	YouTube Average Resolution (pixels)	1044.37	1080.00	2	1	1080.00	1080.00	1	1
	YouTube Success Ratio [%]	100.00	100.00	1	1	100.00	100.00	1	1

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	13	8	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	13	0	100.00	0.00
	Failure	0	8	0.00	100.00
HTTP DL	Success	13	7	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	13	0	100.00	0.00
	Failure	0	7	0.00	100.00
HTTP Capacity DL	Success	11	7	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	12	4	100.00	57.14
	Failure	0	3	0.00	42.86

	DATA Scenario	Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	16.20	6.82	1	2
	SFTP UL(Mbps)	9.37	0.00	1	2
	HTTP DL(Mbps)	27.06	10.14	1	2
	HTTP UL(Mbps)	16.49	0.00	1	2
	HTTP Capacity DL(Mbps)	171.14	35.09	1	2
	HTTP Capacity UL(Mbps)	41.82	6.30	1	2

4G PREFERRED BROWSING COMPARISON

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	12	7	92.31	100.00
	Failure	1	0	7.69	0.00
Mobile Kepler	Success	13	7	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	13	7	100.00	100.00
	Failure	0	0	0.00	0.00
www.nbs.gov.sc	Success	13	7	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	13	7	100.00	100.00
	Failure	0	0	0.00	0.00

	DATA Scenario	Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)
BROWSER	Overall Browser DL Time (s)	9.03	9.62	1	2
	Kepler Webpage DL Time (s)	3.95	7.48	1	2
	Mobile Kepler Webpage DL Time (s)	1.74	4.19	1	2
	www.shein.com Webpage DL Time (s)	6.51	6.13	2	1
	www.nbs.gov.sc Webpage DL Time (s)	16.62	14.66	2	1
	www.sbc.sc Webpage DL Time (s)	15.96	15.69	2	1

4G PREFERRED LATENCY & YOUTUBE COMPARISON

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	26	14
	Average Latency [ms]	268.77	192.14
	Median Latency [ms]	319	198
	Ping session status: Successful	26	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
www.google.com	Average Latency [ms]	404.46	181.00
	Median Latency [ms]	402	164
	Ping session status: Successful	13	7
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
102.133.176.104	Average Latency [ms]	133.08	203.29
	Median Latency [ms]	124	203
	Ping session status: Successful	13	7
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00

LTE YOUTUBE Success Ratio

KPIs	Airtel 4G	CWS 4G
Attempt(Count)	13	7
Success(Count)	13	7
Failure(Count)	0	0
YouTube Access Time (s)	5.15	1.46
YouTube Average Resolution (pixels)	1080.00	1080.00
YouTube Success Ratio [%]	100.00	100.00

Latency 250ms

3G PREFERRED THROUGHPUT COMPARISON

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G (%)	CWS 3G (%)
SFTP DL	Success	5	8	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	5	4	100.00	50.00
	Failure	0	4	0.00	50.00
HTTP DL	Success	5	8	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	5	0	55.56	0.00
	Failure	4	8	44.44	100.00
HTTP Capacity DL	Success	9	7	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	7	3	87.50	42.86
	Failure	1	4	12.50	57.14

	DATA Scenario	Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	5.89	3.49	1	2
	SFTP UL(Mbps)	2.05	0.07	1	2
	HTTP DL(Mbps)	5.74	3.17	1	2
	HTTP UL(Mbps)	2.96	0.00	1	2
	HTTP Capacity DL(Mbps)	7.32	7.74	2	1
	HTTP Capacity UL(Mbps)	4.34	2.88	1	2

3G PREFERRED BROWSING COMPARISON

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	5	7	55.56	100.00
	Failure	4	0	44.44	0.00
Mobile Kepler	Success	8	7	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	9	7	100.00	100.00
	Failure	0	0	0.00	0.00
www.nbs.gov.sc	Success	9	7	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	7	7	87.50	100.00
	Failure	1	0	12.50	0.00

	DATA Scenario	Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)
BROWSER	Overall Browser DL Time (s)	14.45	7.11	2	1
	Kepler Webpage DL Time (s)	4.81	6.98	1	2
	Mobile Kepler Webpage DL Time (s)	5.15	3.38	2	1
	www.shein.com Webpage DL Time (s)	17.06	7.88	2	1
	www.nbs.gov.sc Webpage DL Time (s)	19.51	7.83	2	1
	www.sbc.sc Webpage DL Time (s)	22.16	9.48	2	1

3G PREFERRED LATENCY & YOUTUBE COMPARISON

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	15	14
	Average Latency [ms]	369.60	183.50
	Median Latency [ms]	400	168
	Ping session status: Successful	15	14
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	3	1
	Packet Loss<1%	16.67	6.67
www.google.com	Average Latency [ms]	451.78	137.71
	Median Latency [ms]	454	138
	Ping session status: Successful	9	7
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
102.133.176.104	Average Latency [ms]	246.33	229.29
	Median Latency [ms]	258	215
	Ping session status: Successful	6	7
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	3	1
	Packet Loss<1%	33.33	12.50

UMTS YOUTUBE Success Ratio		
KPIs	**Airtel 3G**	**CWS 3G**
Attempt(Count)	9	8
Success(Count)	9	8
Failure(Count)	0	0
YouTube Access Time (s)	3.60	2.10
YouTube Average Resolution (pixels)	1044.37	1080.00
YouTube Success Ratio [%]	100.00	100.00

Latency 250ms

Port Launay beach
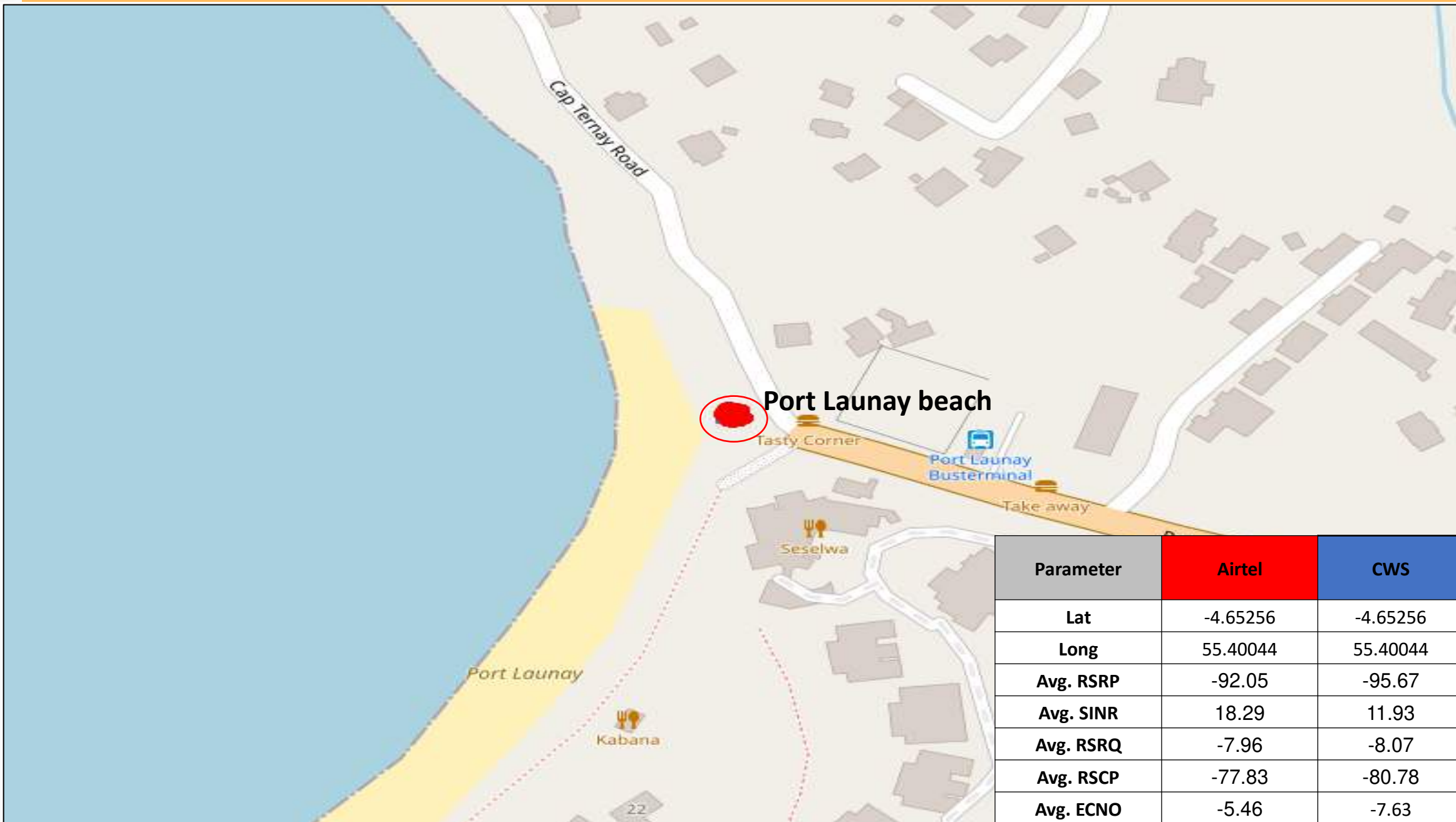
Parameter	Airtel	CWS
Lat	-4.65256	-4.65256
Long	55.40044	55.40044
Avg. RSRP	-92.05	-95.67
Avg. SINR	18.29	11.93
Avg. RSRQ	-7.96	-8.07
Avg. RSCP	-77.83	-80.78
Avg. ECNO	-5.46	-7.63

4G Preferred Data Findings:

- Airtel SFTP DL is (16.57 Mbps), while SFTP UL is (8.69 Mbps), CWS SFTP DL is (7.98 Mbps), while SFTP UL is (4.27 Mbps)

- Airtel HTTP DL is (24.63 Mbps), HTTP Capacity DL is (101.19 Mbps) ,HTTP UL is (14.72 Mbps) , and HTTP Capacity UL is (29.65 Mbps).

- CWS HTTP DL is (11.93 Mbps), HTTP Capacity DL is (34.12 Mbps) ,HTTP UL is (7.23 Mbps) , and HTTP Capacity UL is (12.19 Mbps).

- On live web page testing for browsing, www.shein.com took (6.29s), www.nbs.gov.sc took (17.01s), and www.sbc.sc took (16.25s) on Airtel.

- On live web page testing for browsing, www.shein.com took (5.72s), www.nbs.gov.sc took (14.48s), and www.sbc.sc took (12.54s) on CWS.

- On static browsing, Kepler Webpage took (3.85s), and Kepler Mobile took (1,65s) on Airtel.

- On static browsing, Kepler Webpage took (4.57s), and Kepler Mobile took (2.89s) on CWS.

- YouTube average resolution in Airtel is (1080.00) pixels.

- YouTube average resolution in CWS is (1080.00) pixels.

- Airtel scored 38.46% in Carrier Aggregation (CA).

- CWS scored 100.00% in Carrier Aggregation (CA).

3G Preferred Data Test Findings:

- Airtel SFTP DL is (5.83 Mbps), while SFTP UL is (2.34 Mbps), CWS SFTP DL is (3.78 Mbps), while SFTP UL is (1.24 Mbps)

- Airtel HTTP DL is (5.92 Mbps), HTTP Capacity DL is (10.70 Mbps) ,HTTP UL is (3.63 Mbps) , and HTTP Capacity UL is (6.63 Mbps).

- CWS HTTP DL is (3.55 Mbps), HTTP Capacity DL is (6.53 Mbps) ,HTTP UL is (2.68 Mbps) , and HTTP Capacity UL is (5.02 Mbps).

- On live web page testing for browsing, www.shein.com took (8.40s), www.nbs.gov.sc took (10.94s), and www.sbc.sc took (10.61s) on Airtel.

- On live web page testing for browsing, www.shein.com took (7.93s), www.nbs.gov.sc took (7.97s), and www.sbc.sc took (10.93s) on CWS.

- On static browsing, Kepler Webpage took (3.34s), and Kepler Mobile took (1.52s) on Airtel.

- On static browsing, Kepler Webpage took (5.45s), and Kepler Mobile took (2.94s) on CWS.

- YouTube average resolution in Airtel is (1080.00) pixels.

- YouTube average resolution in CWS is (1080.00) pixels.

DRIVE TEST KPI STATISTICS

	DATA Scenario	3G Preferred				4G Preferred			
		Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)	Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	5.83	3.78	1	2	16.57	7.98	1	2
	SFTP UL(Mbps)	2.34	1.24	1	2	8.69	4.27	1	2
	HTTP DL(Mbps)	5.92	3.55	1	2	24.63	11.93	1	2
	HTTP UL(Mbps)	3.63	2.68	1	2	14.72	7.23	1	2
	HTTP Capacity DL(Mbps)	10.70	6.53	1	2	101.19	34.12	1	2
	HTTP Capacity UL(Mbps)	6.63	5.02	1	2	29.65	12.19	1	2
BROWSER	Overall Browser DL Time (s)	6.96	7.04	1	2	9.00	8.03	2	1
	Kepler Webpage DL Time (s)	3.34	5.45	1	2	3.85	4.57	1	2
	Mobile Kepler Webpage DL Time (s)	1.52	2.94	1	2	1.65	2.89	1	2
	www.shein.com Webpage DL Time (s)	8.40	7.93	2	1	6.29	5.72	2	1
	www.nbs.gov.sc Webpage DL Time (s)	10.94	7.97	2	1	17.01	14.48	2	1
	www.sbc.sc Webpage DL Time (s)	10.61	10.93	1	2	16.25	12.54	2	1
LATENCY	Avg Latency (ms)	278.45	198.40	2	1	260.72	195.88	2	1
	Median Latency (ms)	393	174	2	1	261	200	2	1
YOUTUBE	YouTube Access Time (s)	3.21	2.03	2	1	5.14	1.62	2	1
	YouTube Average Resolution (pixels)	1080.00	1080.00	1	1	1080.00	1080.00	1	1
	YouTube Success Ratio [%]	100.00	100.00	1	1	100.00	100.00	1	1

4G PREFERRED THROUGHPUT COMPARISON

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	13	11	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	13	9	100.00	81.82
	Failure	0	2	0.00	18.18
HTTP DL	Success	13	11	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	13	9	100.00	81.82
	Failure	0	2	0.00	18.18
HTTP Capacity DL	Success	13	10	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	12	10	100.00	100.00
	Failure	0	0	0.00	0.00

	DATA Scenario	Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	16.57	7.98	1	2
	SFTP UL(Mbps)	8.69	4.27	1	2
	HTTP DL(Mbps)	24.63	11.93	1	2
	HTTP UL(Mbps)	14.72	7.23	1	2
	HTTP Capacity DL(Mbps)	101.19	34.12	1	2
	HTTP Capacity UL(Mbps)	29.65	12.19	1	2

4G PREFERRED BROWSING COMPARISON

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	13	10	100.00	100.00
	Failure	0	0	0.00	0.00
Mobile Kepler	Success	13	10	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	13	10	100.00	100.00
	Failure	0	0	0.00	0.00
www.nbs.gov.sc	Success	13	10	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	13	10	100.00	100.00
	Failure	0	0	0.00	0.00

	DATA Scenario	Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)
BROWSER	Overall Browser DL Time (s)	9.00	8.03	2	1
	Kepler Webpage DL Time (s)	3.85	4.57	1	2
	Mobile Kepler Webpage DL Time (s)	1.65	2.89	1	2
	www.shein.com Webpage DL Time (s)	6.29	5.72	2	1
	www.nbs.gov.sc Webpage DL Time (s)	17.01	14.48	2	1
	www.sbc.sc Webpage DL Time (s)	16.25	12.54	2	1

4G PREFERRED LATENCY & YOUTUBE COMPARISON

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	26	21
	Average Latency [ms]	255.46	202.48
	Median Latency [ms]	260	202
	Ping session status: Successful	26	21
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
www.google.com	Average Latency [ms]	391.62	182.90
	Median Latency [ms]	391	169
	Ping session status: Successful	13	10
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
102.133.176.104	Average Latency [ms]	119.31	220.27
	Median Latency [ms]	118	219
	Ping session status: Successful	13	11
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00

Latency 250ms

LTE YOUTUBE Success Ratio

KPIs	Airtel 4G	CWS 4G
Attempt(Count)	13	11
Success(Count)	13	11
Failure(Count)	0	0
YouTube Access Time (s)	5.14	1.62
YouTube Average Resolution (pixels)	1080.00	1080.00
YouTube Success Ratio [%]	100.00	100.00

3G PREFERRED THROUGHPUT COMPARISON

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G (%)	CWS 3G (%)
SFTP DL	Success	11	10	100.00	100.00
SFTP DL	Failure	0	0	0.00	0.00
SFTP UL	Success	11	9	100.00	90.00
SFTP UL	Failure	0	1	0.00	10.00
HTTP DL	Success	11	10	100.00	100.00
HTTP DL	Failure	0	0	0.00	0.00
HTTP UL	Success	11	8	100.00	80.00
HTTP UL	Failure	0	2	0.00	20.00
HTTP Capacity DL	Success	11	10	100.00	100.00
HTTP Capacity DL	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	10	9	100.00	100.00
HTTP Capacity UL	Failure	0	0	0.00	0.00

	DATA Scenario	Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	5.83	3.78	1	2
FILE TRANSFER	SFTP UL(Mbps)	2.34	1.24	1	2
FILE TRANSFER	HTTP DL(Mbps)	5.92	3.55	1	2
FILE TRANSFER	HTTP UL(Mbps)	3.63	2.68	1	2
FILE TRANSFER	HTTP Capacity DL(Mbps)	10.70	6.53	1	2
FILE TRANSFER	HTTP Capacity UL(Mbps)	6.63	5.02	1	2

3G PREFERRED BROWSING COMPARISON

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	11	10	100.00	100.00
	Failure	0	0	0.00	0.00
Mobile Kepler	Success	11	10	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	11	10	100.00	100.00
	Failure	0	0	0.00	0.00
www.nbs.gov.sc	Success	11	10	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	11	10	100.00	100.00
	Failure	0	0	0.00	0.00

	DATA Scenario	Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)
BROWSER	Overall Browser DL Time (s)	6.96	7.04	1	2
	Kepler Webpage DL Time (s)	3.34	5.45	1	2
	Mobile Kepler Webpage DL Time (s)	1.52	2.94	1	2
	www.shein.com Webpage DL Time (s)	8.40	7.93	2	1
	www.nbs.gov.sc Webpage DL Time (s)	10.94	7.97	2	1
	www.sbc.sc Webpage DL Time (s)	10.61	10.93	1	2

3G PREFERRED LATENCY & YOUTUBE COMPARISON

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	12	20
	Average Latency [ms]	395.00	194.25
	Median Latency [ms]	409	168
	Ping session status: Successful	12	20
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	10	0
	Packet Loss<1%	45.45	0.00
www.google.com	Average Latency [ms]	410.64	139.20
	Median Latency [ms]	410	139
	Ping session status: Successful	11	10
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	0
	Packet Loss<1%	0.00	0.00
102.133.176.104	Average Latency [ms]	223.00	249.30
	Median Latency [ms]	223	198
	Ping session status: Successful	1	10
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	10	0
	Packet Loss<1%	90.91	0.00

UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	11	10
Success(Count)	11	10
Failure(Count)	0	0
YouTube Access Time (s)	3.21	2.03
YouTube Average Resolution (pixels)	1080.00	1080.00
YouTube Success Ratio [%]	100.00	100.00

Latency 250ms

THANKS