

## **Seychelles Static Test**

**District: Grand Anse**

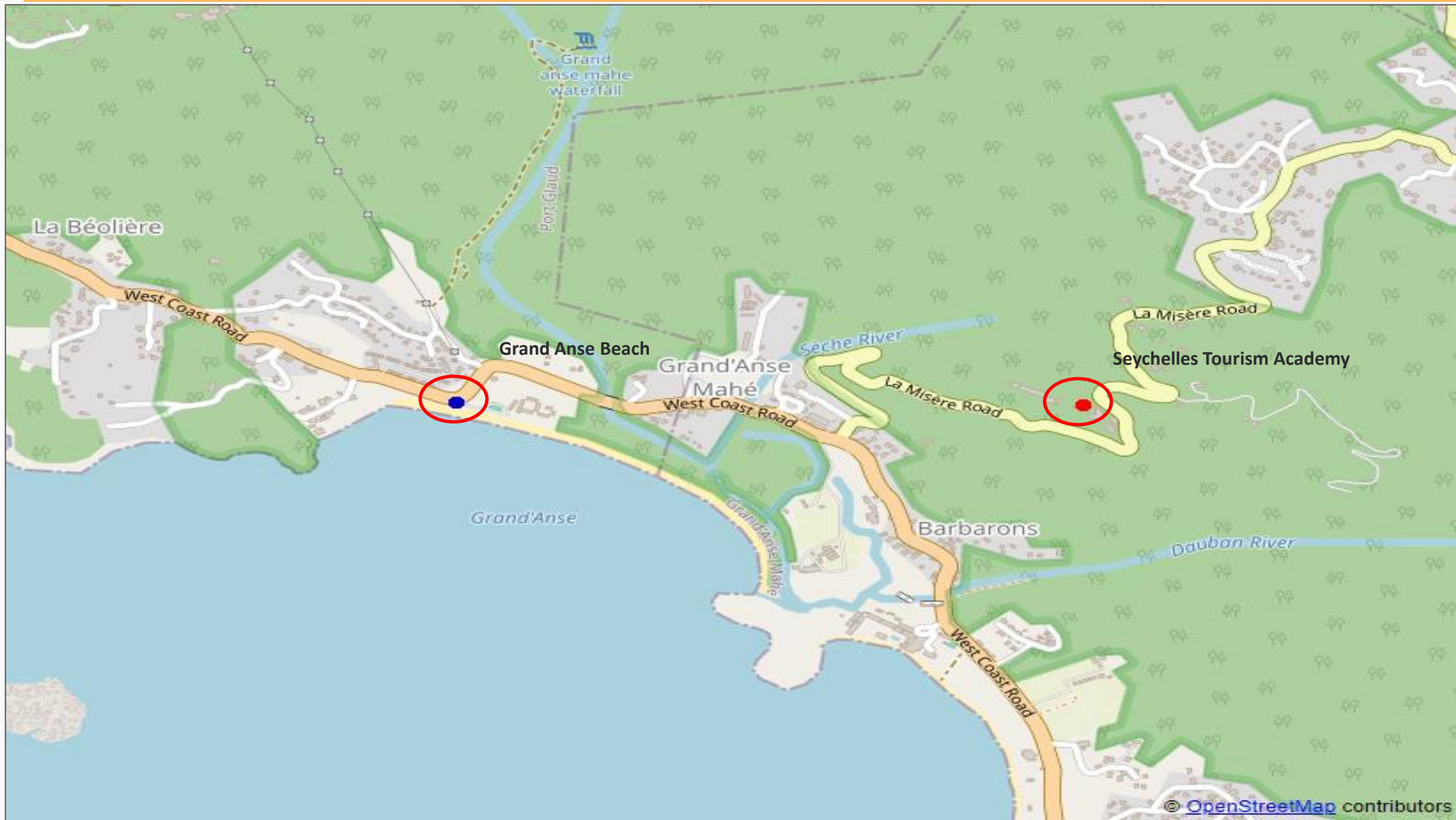
**Date of Testing:- 11<sup>th</sup> Oct 2024**

**Report Date:- 29<sup>th</sup> Oct 2024**

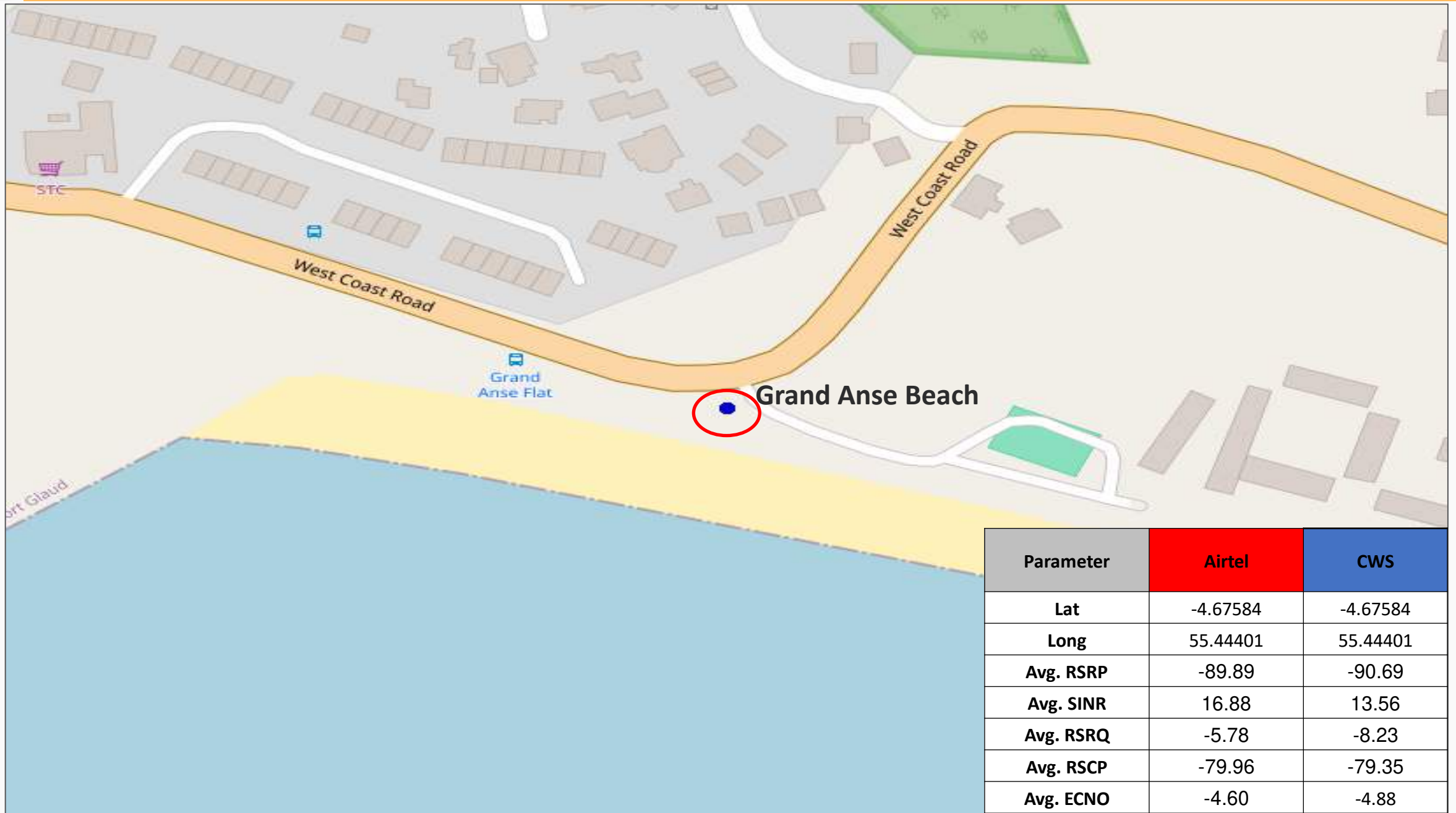
# VOICE TEST METHODOLOGY

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

# Static Points Location – Cluster GrandAnse



# Static Point Location 1 - Grand Anse Beach



Parameter	Airtel	CWS
Lat	-4.67584	-4.67584
Long	55.44401	55.44401
Avg. RSRP	-89.89	-90.69
Avg. SINR	16.88	13.56
Avg. RSRQ	-5.78	-8.23
Avg. RSCP	-79.96	-79.35
Avg. ECNO	-4.60	-4.88

## 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 (13.31 Mbps), while SFTP UL is (8.02 Mbps), CWS SFTP DL is (6.39 Mbps), while SFTP UL is (0.00 Mbps)
- Airtel HTTP DL is (18.59 Mbps), HTTP Capacity DL is (53.33 Mbps) ,HTTP UL is (14.62 Mbps) , and HTTP Capacity UL is (30.55 Mbps).
- CWS HTTP DL is (11.11 Mbps), HTTP Capacity DL is (32.84 Mbps) ,HTTP UL is (0.00 Mbps) , and HTTP Capacity UL is (6.40 Mbps).
- On live web page testing for browsing, [www.shein.com](http://www.shein.com) took (6.49s), [www.nbs.gov.sc](http://www.nbs.gov.sc) took (16.93s), and [www.sbc.sc](http://www.sbc.sc) took (17.84s) on Airtel.
- On live web page testing for browsing, [www.shein.com](http://www.shein.com) took (9.70s), [www.nbs.gov.sc](http://www.nbs.gov.sc) took (14.68s), and [www.sbc.sc](http://www.sbc.sc) took (13.89s) on CWS.
- On static browsing, Kepler Webpage took (4.05s), and Kepler Mobile took (1.87s) on Airtel.
- On static browsing, Kepler Webpage took (6.54s), and Kepler Mobile took (3.88s) on CWS.
- YouTube average resolution in Airtel is (1080.00) pixels.
- YouTube average resolution in CWS is (1080.00) pixels.
- Airtel scored 29.41% in Carrier Aggregation (CA).
- CWS scored 20.00% 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 (5.80 Mbps), while SFTP UL is (2.31 Mbps), CWS SFTP DL is (3.60 Mbps), while SFTP UL is (0.00 Mbps)
- Airtel HTTP DL is (6.20 Mbps), HTTP Capacity DL is (10.56 Mbps) ,HTTP UL is (3.04 Mbps) , and HTTP Capacity UL is (6.35 Mbps).
- CWS HTTP DL is (2.80 Mbps), HTTP Capacity DL is (17.48 Mbps) ,HTTP UL is (0.00 Mbps) , and HTTP Capacity UL is (2.87 Mbps).
- On live web page testing for browsing, [www.shein.com](http://www.shein.com) took (7.92s), [www.nbs.gov.sc](http://www.nbs.gov.sc) took (13.11s), and [www.sbc.sc](http://www.sbc.sc) took (11.03s) on Airtel.
- On live web page testing for browsing, [www.shein.com](http://www.shein.com) took (6.73s), [www.nbs.gov.sc](http://www.nbs.gov.sc) took (7.41s), and [www.sbc.sc](http://www.sbc.sc) took (9.26s) on CWS.
- On static browsing, Kepler Webpage took (3.74s), and Kepler Mobile took (1.87s) on Airtel.
- On static browsing, Kepler Webpage took (7.50s), and Kepler Mobile took (3.80s) 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)	5.80	3.60	1	2	13.71	6.39	1	2
	SFTP UL(Mbps)	2.31	0.06	1	2	8.02	0.00	1	2
	HTTP DL(Mbps)	6.20	2.80	1	2	18.59	11.11	1	2
	HTTP UL(Mbps)	3.34	0.00	1	2	14.62	0.00	1	2
	HTTP Capacity DL(Mbps)	10.56	17.48	2	1	53.33	32.84	1	2
	HTTP Capacity UL(Mbps)	6.35	2.87	1	2	30.55	6.40	1	2
BROWSER	Overall Browser DL Time (s)	7.52	6.95	2	1	9.51	9.87	1	2
	Kepler Webpage DL Time (s)	3.74	7.50	1	2	4.05	6.54	1	2
	Mobile Kepler Webpage DL Time (s)	1.87	3.80	1	2	1.87	3.88	1	2
	www.shein.com Webpage DL Time (s)	7.92	6.73	2	1	6.49	9.70	1	2
	www.nbs.gov.sc Webpage DL Time (s)	13.11	7.41	2	1	16.93	14.68	2	1
	www.sbc.sc Webpage DL Time (s)	11.03	9.26	2	1	17.84	13.89	2	1
LATENCY	Avg Latency (ms)	277.99	170.41	2	1	277.73	185.33	2	1
	Median Latency (ms)	391	194	2	1	251	186	2	1
YOUTUBE	YouTube Access Time (s)	2.93	1.84	2	1	5.28	1.64	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	14	8	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	14	0	100.00	0.00
	Failure	0	8	0.00	100.00
HTTP DL	Success	13	8	92.86	100.00
	Failure	1	0	7.14	0.00
HTTP UL	Success	14	0	100.00	0.00
	Failure	0	8	0.00	100.00
HTTP Capacity DL	Success	13	7	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	13	2	100.00	28.57
	Failure	0	5	0.00	71.43

DATA Scenario		Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	13.71	6.39	1	2
	SFTP UL(Mbps)	8.02	0.00	1	2
	HTTP DL(Mbps)	18.59	11.11	1	2
	HTTP UL(Mbps)	14.62	0.00	1	2
	HTTP Capacity DL(Mbps)	53.33	32.84	1	2
	HTTP Capacity UL(Mbps)	30.55	6.40	1	2



# 4G PREFERRED BROWSING COMPARISON

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	12	7	92.31	87.50
	Failure	1	1	7.69	12.50
Mobile Kepler	Success	13	7	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	13	8	100.00	100.00
	Failure	0	0	0.00	0.00
www.nbs.gov.sc	Success	13	8	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)	9.51	9.87	1	2
	Kepler Webpage DL Time (s)	4.05	6.54	1	2
	Mobile Kepler Webpage DL Time (s)	1.87	3.88	1	2
	www.shein.com Webpage DL Time (s)	6.49	9.70	1	2
	www.nbs.gov.sc Webpage DL Time (s)	16.93	14.68	2	1
	www.sbc.sc Webpage DL Time (s)	17.84	13.89	2	1

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	27	13
	Average Latency [ms]	272.59	182.92
	Median Latency [ms]	251	168
	Ping session status: Successful	27	13
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	0	1
	Packet Loss<1%	0.00	7.14
www.google.com	Average Latency [ms]	405.38	161.57
	Median Latency [ms]	405	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]	149.29
Median Latency [ms]		124	206
Ping session status: Successful		14	6
Ping session status: Failed [Socket error]		0	0
Ping session status: Failed [Protocol error timeout]		0	1
Packet Loss<1%		0.00	14.29

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	14	7
Success(Count)	14	7
Failure(Count)	0	0
YouTube Access Time (s)	5.28	1.64
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	12	8	100.00	100.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	12	5	100.00	62.50
	Failure	0	3	0.00	37.50
HTTP DL	Success	12	8	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP UL	Success	12	0	100.00	0.00
	Failure	0	8	0.00	100.00
HTTP Capacity DL	Success	10	7	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	11	6	100.00	85.71
	Failure	0	1	0.00	14.29

DATA Scenario		Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	5.80	3.60	1	2
	SFTP UL(Mbps)	2.31	0.06	1	2
	HTTP DL(Mbps)	6.20	2.80	1	2
	HTTP UL(Mbps)	3.34	0.00	1	2
	HTTP Capacity DL(Mbps)	10.56	17.48	2	1
	HTTP Capacity UL(Mbps)	6.35	2.87	1	2

# 3G PREFERRED BROWSING COMPARISON

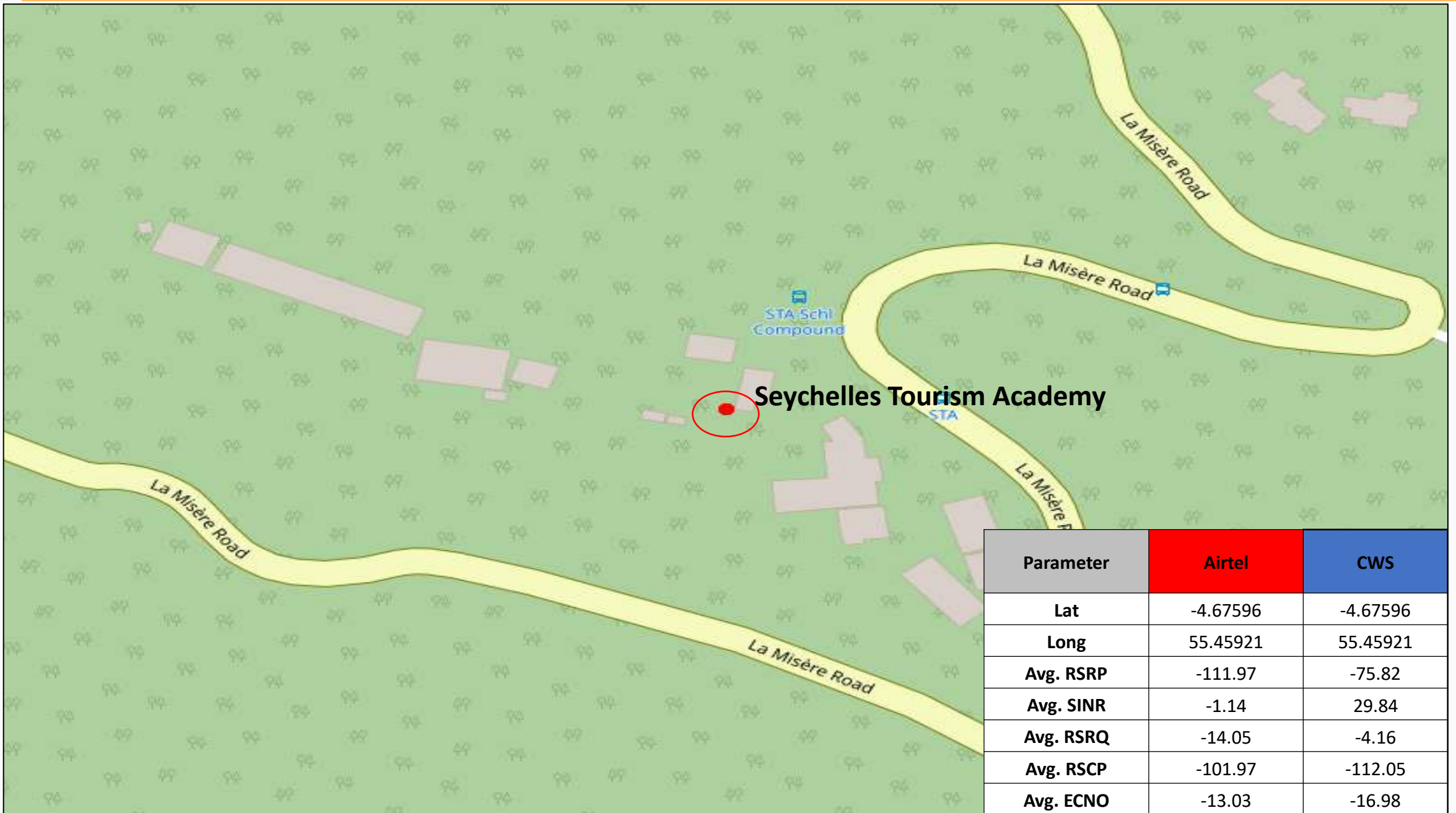
Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	11	8	100.00	100.00
	Failure	0	0	0.00	0.00
Mobile Kepler	Success	11	7	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	10	7	90.91	100.00
	Failure	1	0	9.09	0.00
www.nbs.gov.sc	Success	11	7	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	11	7	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)	7.52	6.95	2	1
	Kepler Webpage DL Time (s)	3.74	7.50	1	2
	Mobile Kepler Webpage DL Time (s)	1.87	3.80	1	2
	www.shein.com Webpage DL Time (s)	7.92	6.73	2	1
	www.nbs.gov.sc Webpage DL Time (s)	13.11	7.41	2	1
	www.sbc.sc Webpage DL Time (s)	11.03	9.26	2	1

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	16	14
	Average Latency [ms]	347.63	167.93
	Median Latency [ms]	404	168
	Ping session status: Successful	16	14
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	7	1
	Packet Loss<1%	30.43	6.67
www.google.com	Average Latency [ms]	409.18	138.43
	Median Latency [ms]	404	139
	Ping session status: Successful	11	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]	212.20	197.43
	Median Latency [ms]	133	198
	Ping session status: Successful	5	7
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	7	1
	Packet Loss<1%	58.33	12.50

UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	11	8
Success(Count)	11	8
Failure(Count)	0	0
YouTube Access Time (s)	2.93	1.84
YouTube Average Resolution (pixels)	1080.00	1080.00
YouTube Success Ratio [%]	100.00	100.00

# Static Point Location 2 - Seychelles Tourism Academy



## 4G Preferred Data Findings:

- All tests for webpage DL time (s) on Kepler Webpage , [www.sbc.sc](http://www.sbc.sc) failed for the LTE Airtel operator.
- All SFTP UL & HTTP UL tests are failing specifically with the 4G connection through the CWS operator.
- Airtel SFTP DL is (1.04 Mbps), while SFTP UL is (1.14 Mbps), CWS SFTP DL is (5.75 Mbps), while SFTP UL is (0.00 Mbps)
- Airtel HTTP DL is (0.72 Mbps), HTTP Capacity DL is (0.75 Mbps) ,HTTP UL is (1.05 Mbps) , and HTTP Capacity UL is (6.19 Mbps).
- CWS HTTP DL is (5.08 Mbps), HTTP Capacity DL is (22.53 Mbps) ,HTTP UL is (0.00 Mbps) , and HTTP Capacity UL is (6.33 Mbps).
- On live web page testing for browsing, [www.shein.com](http://www.shein.com) took (14.38s), [www.nbs.gov.sc](http://www.nbs.gov.sc) took (29.96s), and [www.sbc.sc](http://www.sbc.sc) took (0.00s) on Airtel.
- On live web page testing for browsing, [www.shein.com](http://www.shein.com) took (4.40s), [www.nbs.gov.sc](http://www.nbs.gov.sc) took (7.06s), and [www.sbc.sc](http://www.sbc.sc) took (15.49s) on CWS.
- On static browsing, Kepler Webpage took (0.00s), and Kepler Mobile took (4.08s) on Airtel.
- On static browsing, Kepler Webpage took (7.34s), and Kepler Mobile took (4.40s) on CWS.
- YouTube average resolution in Airtel is (629.67) pixels.
- YouTube average resolution in CWS is (1080.00) pixels.
- Airtel scored 15.38% in Carrier Aggregation (CA).
- CWS scored 0.00% in Carrier Aggregation (CA).

### 3G Preferred Data Test Findings:

- **The Maximum test failed during execution on the 3G CWS operator.**
- Airtel SFTP DL is (1.61 Mbps), while SFTP UL is (1.00 Mbps), CWS SFTP DL is (0.00 Mbps), while SFTP UL is (0.00 Mbps)
- Airtel HTTP DL is (1.89 Mbps), HTTP Capacity DL is (1.53 Mbps) ,HTTP UL is (1.46 Mbps) , and HTTP Capacity UL is (3.17 Mbps).
- CWS HTTP DL is (0.08 Mbps), HTTP Capacity DL is (0.02 Mbps) ,HTTP UL is (0.00 Mbps) , and HTTP Capacity UL is (2.35 Mbps).
- On live web page testing for browsing, [www.shein.com](http://www.shein.com) took (20.93s), [www.nbs.gov.sc](http://www.nbs.gov.sc) took (19.84s), and [www.sbc.sc](http://www.sbc.sc) took (24.97s) on Airtel.
- On live web page testing for browsing, [www.shein.com](http://www.shein.com) took (24.11s), [www.nbs.gov.sc](http://www.nbs.gov.sc) took (0.00s), and [www.sbc.sc](http://www.sbc.sc) took (0.00s) on CWS.
- On static browsing, Kepler Webpage took (8.32s), and Kepler Mobile took (4.85s) on Airtel.
- On static browsing, Kepler Webpage took (0.00s), and Kepler Mobile took (0.00s) on CWS.
- YouTube average resolution in Airtel is (515.04) pixels.
- YouTube average resolution in CWS is (0.00) 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)	1.61	0.00	1	2	1.04	5.75	2	1
	SFTP UL(Mbps)	1.00	0.00	1	2	1.14	0.00	1	2
	HTTP DL(Mbps)	1.89	0.08	1	2	0.72	5.08	2	1
	HTTP UL(Mbps)	1.46	0.00	1	2	1.05	0.00	1	2
	HTTP Capacity DL(Mbps)	1.53	0.02	1	2	0.75	22.53	2	1
	HTTP Capacity UL(Mbps)	3.17	2.35	1	2	6.19	6.33	2	1
BROWSER	Overall Browser DL Time (s)	13.86	24.11	1	2	16.14	9.82	2	1
	Kepler Webpage DL Time (s)	8.32	0.00	1	2	0.00	7.34	2	1
	Mobile Kepler Webpage DL Time (s)	4.85	0.00	1	2	4.08	4.40	1	2
	www.shein.com Webpage DL Time (s)	20.93	24.11	1	2	14.38	7.06	2	1
	www.nbs.gov.sc Webpage DL Time (s)	19.84	0.00	1	2	29.96	15.49	2	1
	www.sbc.sc Webpage DL Time (s)	24.97	0.00	1	2	0.00	14.84	2	1
LATENCY	Avg Latency (ms)	309.46	502.10	1	2	296.45	181.10	2	1
	Median Latency (ms)	402	521	1	2	317	191	2	1
YOUTUBE	YouTube Access Time (s)	6.94	0.00	1	2	8.37	1.41	2	1
	YouTube Average Resolution (pixels)	515.04	0.00	1	2	629.67	1080.00	2	1
	YouTube Success Ratio [%]	87.50	0.00	1	2	85.71	100.00	2	1

# 4G PREFERRED THROUGHPUT COMPARISON

Test Type	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
SFTP DL	Success	2	8	66.67	100.00
	Failure	1	0	33.33	0.00
SFTP UL	Success	1	0	14.29	0.00
	Failure	6	8	85.71	100.00
HTTP DL	Success	6	7	85.71	100.00
	Failure	1	0	14.29	0.00
HTTP UL	Success	2	7	28.57	100.00
	Failure	5	0	71.43	0.00
HTTP Capacity DL	Success	6	7	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	4	3	66.67	42.86
	Failure	2	4	33.33	57.14

DATA Scenario		Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	1.04	5.75	2	1
	SFTP UL(Mbps)	1.14	0.00	1	2
	HTTP DL(Mbps)	0.72	5.08	2	1
	HTTP UL(Mbps)	1.05	0.00	1	2
	HTTP Capacity DL(Mbps)	0.75	22.53	2	1
	HTTP Capacity UL(Mbps)	6.19	6.33	2	1

# 4G PREFERRED BROWSING COMPARISON

Web Page	Status	Airtel 4G	CWS 4G	Airtel 4G (%)	CWS 4G (%)
Kepler	Success	0	7	0.00	100.00
	Failure	6	0	100.00	0.00
Mobile Kepler	Success	6	7	100.00	100.00
	Failure	0	0	0.00	0.00
www.shein.com	Success	6	7	100.00	100.00
	Failure	0	0	0.00	0.00
www.nbs.gov.sc	Success	6	7	100.00	100.00
	Failure	0	0	0.00	0.00
www.sbc.sc	Success	0	7	0.00	100.00
	Failure	6	0	100.00	0.00

DATA Scenario		Airtel 4G	CWS 4G	Airtel 4G (Rank)	CWS 4G (Rank)
BROWSER	Overall Browser DL Time (s)	16.14	9.82	2	1
	Kepler Webpage DL Time (s)	0.00	7.34	2	1
	Mobile Kepler Webpage DL Time (s)	4.08	4.40	1	2
	www.shein.com Webpage DL Time (s)	14.38	7.06	2	1
	www.nbs.gov.sc Webpage DL Time (s)	29.96	15.49	2	1
	www.sbc.sc Webpage DL Time (s)	0.00	14.84	2	1

	Latency KPIs	Airtel 4G	CWS 4G
Overall Latency	Sample Count [32 bytes]	12	14
	Average Latency [ms]	291.50	183.43
	Median Latency [ms]	283	182
	Ping session status: Successful	12	14
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	0
	Packet Loss<1%	7.69	0.00
www.google.com	Average Latency [ms]	444.17	159.14
	Median Latency [ms]	410	161
	Ping session status: Successful	6	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]	138.83	207.71
	Median Latency [ms]	135	205
	Ping session status: Successful	6	7
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	1	0
	Packet Loss<1%	14.29	0.00

LTE YOUTUBE Success Ratio		
KPIs	Airtel 4G	CWS 4G
Attempt(Count)	7	7
Success(Count)	6	7
Failure(Count)	1	0
YouTube Access Time (s)	8.37	1.41
YouTube Average Resolution (pixels)	629.67	1080.00
YouTube Success Ratio [%]	85.71	100.00

Latency 250ms

# 3G PREFERRED THROUGHPUT COMPARISON

Test Type	Status	Airtel 3G	CWS 3G	Airtel 3G (%)	CWS 3G (%)
SFTP DL	Success	5	0	100.00	0.00
	Failure	0	0	0.00	0.00
SFTP UL	Success	4	0	80.00	0.00
	Failure	1	0	20.00	0.00
HTTP DL	Success	5	1	100.00	50.00
	Failure	0	1	0.00	50.00
HTTP UL	Success	4	0	50.00	0.00
	Failure	4	3	50.00	100.00
HTTP Capacity DL	Success	8	3	100.00	100.00
	Failure	0	0	0.00	0.00
HTTP Capacity UL	Success	6	3	85.71	100.00
	Failure	1	0	14.29	0.00

DATA Scenario		Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)
FILE TRANSFER	SFTP DL (Mbps)	1.61	0.00	1	2
	SFTP UL(Mbps)	1.00	0.00	1	2
	HTTP DL(Mbps)	1.89	0.08	1	2
	HTTP UL(Mbps)	1.46	0.00	1	2
	HTTP Capacity DL(Mbps)	1.53	0.02	1	2
	HTTP Capacity UL(Mbps)	3.17	2.35	1	2

# 3G PREFERRED BROWSING COMPARISON

Web Page	Status	Airtel 3G	CWS 3G	Airtel 3G(%)	CWS 3G (%)
Kepler	Success	6	0	75.00	0.00
	Failure	2	2	25.00	100.00
Mobile Kepler	Success	7	0	87.50	0.00
	Failure	1	4	12.50	100.00
www.shein.com	Success	7	1	87.50	50.00
	Failure	1	1	12.50	50.00
www.nbs.gov.sc	Success	6	0	75.00	0.00
	Failure	2	2	25.00	100.00
www.sbc.sc	Success	1	0	12.50	0.00
	Failure	7	4	87.50	100.00

DATA Scenario		Airtel 3G	CWS 3G	Airtel 3G (Rank)	CWS 3G (Rank)
BROWSER	Overall Browser DL Time (s)	13.86	24.11	1	2
	Kepler Webpage DL Time (s)	8.32	0.00	1	2
	Mobile Kepler Webpage DL Time (s)	4.85	0.00	1	2
	www.shein.com Webpage DL Time (s)	20.93	24.11	1	2
	www.nbs.gov.sc Webpage DL Time (s)	19.84	0.00	1	2
	www.sbc.sc Webpage DL Time (s)	24.97	0.00	1	2

	Latency KPIs	Airtel 3G	CWS 3G
Overall Latency	Sample Count [32 bytes]	12	3
	Average Latency [ms]	334.83	456.33
	Median Latency [ms]	407	406
	Ping session status: Successful	12	3
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	2	0
	Packet Loss<1%	14.29	0.00
www.google.com	Average Latency [ms]	418.43	0.00
	Median Latency [ms]	420	0
	Ping session status: Successful	7	0
	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]	217.80	456.33
	Median Latency [ms]	169	406
	Ping session status: Successful	5	3
	Ping session status: Failed [Socket error]	0	0
	Ping session status: Failed [Protocol error timeout]	2	0
	Packet Loss<1%	28.57	0.00

Latency 250ms

UMTS YOUTUBE Success Ratio		
KPIs	Airtel 3G	CWS 3G
Attempt(Count)	8	4
Success(Count)	7	0
Failure(Count)	1	4
YouTube Access Time (s)	6.94	0.00
YouTube Average Resolution (pixels)	515.04	0.00
YouTube Success Ratio [%]	87.50	0.00

**THANKS**