



NATIONAL COMMUNICATIONS AUTHORITY

QUALITY OF SERVICE TEST RESULTS - 2019 THIRD QUARTER

INTRODUCTION

In pursuance of obligations of the 3G Cellular Mobile Licence of Telecommunication Operators, the consumer perspective of quality of service are tested to ensure the compliance of Operators to the obligations on service quality to the user.

This Third Quarter Monitoring Report highlights the Voice, Voice Quality, Data and 3G Coverage compliance statuses of all four (4) Mobile Network Operators in six (6) Regions with regards to parameters outlined in their Licences. The Regions monitored during this period were the Greater Accra, Eastern, Northern, North East, Savannah and Ashanti Regions.

The details of the report are as below:

AIRTELIGO RESULTS

VOICE TEST (CST)

Greater Accra

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	15.19	13.15	08.14	14.18	Pass
Accra Central	08.30	09.13	07.02	06.14	Pass
Accra New Town	07.30	08.83	14.38	09.00	Pass
Ada Foah	04.60	04.94	04.93	04.74	Pass
Adenta	07.56	08.43	15.07	11.60	Pass
Amasaman	12.82	07.69	07.95	10.01	Pass
Ashaiman	09.40	09.37	08.59	07.13	Pass
Dodowa	15.05	07.75	09.08	13.34	Pass
Dzorwulu	12.52	08.45	14.11	17.04	Pass
Kpone	06.95	06.70	08.45	11.15	Pass
Madina	07.35	13.60	08.89	08.84	Pass
Nungua	14.96	16.59	14.20	09.71	Pass
Ofankor	06.96	07.88	07.52	06.77	Pass
Sege	04.70	04.96	04.78	04.73	Pass
Sowutuom	07.54	07.06	07.14	07.93	Pass
Tesano	13.58	13.32	09.95	07.95	Pass
Teshie	10.98	07.23	09.21	14.42	Pass

Ashanti Region

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	13.38	15.40	12.61	17.11	Fail
Asiwa	4.71	7.32	4.97	4.72	Pass
Asokore Mampong	8.00	7.00	12.00	15.00	Pass
Bekwai	5.87	6.03	5.43	5.24	Pass
Effiduase	5.68	4.91	6.53	5.03	Pass
Ejisu	8.00	9	7.00	9.00	Pass
Foase	5.27	5.19	5.10	4.98	Pass
Fomena	9.63	14.80	9.62	13.70	Pass
Juaben	4.92	4.77	4.91	6.28	Pass
Kodie	7.63	6.29	11.38	15.16	Pass
Kumasi	9.00	8.00	10.00	9.00	Pass
Kuntanase	5.13	5.13	4.84	5.06	Pass
Mamponteng	6.58	8.06	05.76	07.26	Pass
New Edubiase	10.90	8.41	5.12	4.97	Pass
Nkawie	13.83	15.11	13.84	11.28	Fail
Nsuta	7.85	6.48	8.78	15.16	Pass
Offinso	5.21	5.17	5.46	5.61	Pass
Oforikrom	7.00	11.00	10.00	8.00	Pass

Eastern Region

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	05.92	05.56	05.11	09.14	Pass
Adeiso	05.01	04.90	05.08	04.50	Pass
Atiwa	04.54	05.08	04.58	04.53	Pass
Coaltar	04.62	10.45	06.14	No Data	Pass
Koforidua	07.30	06.86	06.68	06.42	Pass
Kyebi	05.12	05.23	04.91	05.27	Pass
Mpreaso	12.00	16.61	07.78	09.22	Pass
Nsawam	05.62	05.40	05.66	05.68	Pass
Suhum	05.89	05.67	05.29	No Data	Pass

Northern

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushegu	06.74	08.68	08.26	06.86	Pass
Karaga	07.28	06.08	07.32	05.44	Pass
Kumbungu	14.20	00.00	06.60	07.10	Pass
Tolon	06.84	05.24	05.54	05.20	Pass
Yendi	14.91	11.11	05.40	05.18	Pass

North East

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	05.20	04.98	04.74	04.88	Pass
Walewale	04.96	05.09	04.70	05.44	Pass

Savannah

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Bole	04.86	05.12	05.29	05.28	Pass
Salaga	05.11	05.50	04.89	04.81	Pass
Sawla	04.74	04.81	05.29	05.34	Pass

VOICE QUALITY (MOS)

Greater Accra

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	3.58	3.64	3.60	3.57	Pass
Accra Central	3.74	3.72	3.76	3.78	Pass
Accra New Town	3.53	3.57	3.60	3.58	Pass
Ada Foah	3.78	3.79	3.80	3.75	Pass
Adenta	3.63	3.62	3.58	3.61	Pass
Amasaman	3.72	3.69	3.69	3.69	Pass
Ashaiman	3.64	3.66	3.66	3.65	Pass
Dodowa	3.53	3.56	3.50	3.43	Pass
Dzorwulu	3.67	3.64	3.66	3.60	Pass
Kpone	3.60	3.66	3.67	3.61	Pass
Madina	3.66	3.69	3.64	3.68	Pass
Nungua	3.56	3.57	3.60	3.58	Pass
Ofankor	3.62	3.60	3.59	3.54	Pass
Sege	3.80	3.79	3.80	3.80	Pass
Sowutuom	3.70	3.71	3.72	3.62	Pass
Tesano	3.59	3.64	3.61	3.62	Pass
Teshie	3.57	3.55	3.54	3.58	Pass

Ashanti Region

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	3.61	3.51	3.58	3.59	Pass
Asiwa	3.77	3.78	3.63	3.39	Pass
Asokore Mampong	3.72	3.71	3.72	3.71	Pass
Bekwai	3.70	3.74	3.75	3.71	Pass
Effiduase	3.69	3.70	3.72	3.70	Pass
Ejisu	3.74	3.73	3.75	3.72	Pass
Foase	3.71	3.76	3.79	3.74	Pass
Fomena	3.74	3.74	3.75	3.74	Pass
Juaben	3.68	3.67	3.68	3.71	Pass
Kodie	3.43	3.28	3.22	3.37	Fail
Kumasi	3.71	3.66	3.69	3.73	Pass
Kuntanase	3.74	3.71	3.74	3.49	Pass

Mampong	3.40	3.50	3.67	3.49	Pass
New Edubiase	3.60	3.66	3.66	3.66	Pass
Nkawie	3.45	3.30	3.41	3.25	Fail
Nsuta	3.64	3.76	3.77	3.66	Pass
Offinso	3.77	3.75	3.69	3.60	Pass
Oforikrom	3.72	3.76	3.77	3.76	Pass

Eastern Region

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	3.70	3.57	3.71	3.62	Pass
Adeiso	3.80	3.81	3.79	3.77	Pass
Atiwa	3.74	3.64	3.70	3.69	Pass
Coaltar	3.74	2.58	3.59	No Data	Pass
Koforidua	3.59	3.64	3.64	3.60	Pass
Kyebi	3.56	3.47	3.60	3.68	Pass
Mpreaso	3.49	2.75	3.50	3.47	Pass
Nsawam	3.76	3.78	3.75	3.76	Pass
Suhum	3.74	3.72	3.73	No Data	Pass

Northern

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushiegu	3.42	3.34	2.58	3.27	Fail
Karaga	3.41	3.61	3.52	3.43	Pass
Kumbungu	3.73	3.43	3.56	3.43	Pass
Tolon	3.58	3.76	3.73	3.74	Pass
Yendi	2.30	3.10	3.75	3.69	Pass

North East

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	3.75	3.73	3.70	3.73	Pass
Walewale	3.77	3.76	3.74	3.76	Pass

Savannah

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Bole	3.70	3.71	3.62	3.69	Pass
Salaga	3.66	3.71	3.74	3.77	Pass
Sawla	3.80	3.81	3.72	3.82	Pass

3G DATA

Greater Accra

District Capital	Average Data Throughput \geq 256kbps ($>90\%$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	100.00%	100.00%	100.00%	100.00%	Pass
Accra Central	100.00%	98.48%	100.00%	98.98%	Pass
Accra New Town	97.70%	97.35%	100.00%	99.17%	Pass
Ada Foah	100.00%	100.00%	100.00%	100.00%	Pass
Adenta	98.90%	100.00%	98.92%	98.48%	Pass
Amasaman	96.83%	90.91%	89.19%	64.00%	Pass
Ashaiman	100.00%	100.00%	100.00%	98.04%	Pass
Dodowa	97.83%	88.37%	98.44%	91.49%	Pass
Dzorwulu	95.59%	100.00%	100.00%	100.00%	Pass
Kpone	100.00%	100.00%	100.00%	89.74%	Pass
Madina	96.51%	98.61%	100.00%	100.00%	Pass
Nungua	100.00%	100.00%	100.00%	100.00%	Pass
Ofankor	89.47%	79.49%	89.80%	93.02%	Pass
Sege	98.04%	98.04%	98.11%	97.96%	Pass
Sowutuom	100.00%	100.00%	97.14%	98.33%	Pass
Tesano	98.50%	100.00%	100.00%	99.14%	Pass
Teshie	100.00%	100.00%	100.00%	100.00%	Pass

Ashanti Region

District Capital	Average Data Throughput \geq 256kbps ($> 90\%$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	98.90%	95.45%	100.00%	100.00%	Pass
Asiwa	98.04%	100.00%	100.00%	100.00%	Pass
Asokore Mampong	98.99%	96.51%	96.30%	100.00%	Pass
Bekwai	100.00%	100.00%	100.00%	100.00%	Pass
Effiduase	100.00%	82.14%	95.35%	100.00%	Pass
Ejisu	97.73%	98.21%	100.00%	100.00%	Pass
Foase	96.00%	100.00%	100.00%	100.00%	Pass
Fomena	100.00%	100.00%	100.00%	100.00%	Pass
Juaben	100.00%	100.00%	100.00%	100.00%	Pass
Kodie	97.50%	100.00%	82.35%	100.00%	Pass
Kumasi	98.18%	98.44%	97.87%	99.39%	Pass
Kuntanase	100.00%	98.78%	100.00%	100.00%	Pass
Mampong	55.17%	100.00%	100.00%	97.53%	Pass

New Edubiase	100.00%	100.00%	100.00%	100.00%	Pass
Nkawie	82.05%	88.24%	84.62%	94.12%	Pass
Nsuta	100.00%	100.00%	100.00%	100.00%	Pass
Offinso	100.00%	100.00%	100.00%	100.00%	Pass
Oforikrom	99.43%	99.25%	100.00%	100.00%	Pass

Eastern Region

District Capital	Average Data Throughput \geq 256kbps ($>$ 90%)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	100.00%	28.57%	92.31%	100.00%	Pass
Adeiso	100.00%	100.00%	100.00%	100.00%	Pass
Atiwa	100.00%	100.00%	100.00%	100.00%	Pass
Coaltar	100.00%	87.50%	100.00%	100.00%	Pass
Koforidua	96.49%	100.00%	100.00%		Pass
Kyebi	100.00%	100.00%	96.77%	100.00%	Pass
Mpreaso	100.00%	100.00%	100.00%	100.00%	Pass
Nsawam	79.17%	89.29%	95.83%	57.14%	Pass
Suhum	100.00%	100.00%	95.83%	100.00%	Pass

Northern

District Capital	Average Data Throughput \geq 256kbps ($>$ 90%)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushiegu	100.00%	100.00%	100.00%	91.67%	Pass
Karaga	100.00%	100.00%	85.37%	98.21%	Pass
Kumbungu	65.38%	100.00%	100.00%	100.00%	Pass
Tolon	100.00%	100.00%	100.00%	100.00%	Pass
Yendi	79.25%	84.62%	98.44%	98.59%	Pass

North East

District Capital	Average Data Throughput \geq 256kbps ($>$ 90%)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	100%	100%	100%	100%	Pass
Walewale	98.51%	93.75%	100%	97.06%	Pass

Savannah

District Capital	Average Data Throughput \geq 256kbps ($>$ 90%)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Bole	100%	100%	100%	95.00%	Pass
Salaga	85.71%	92.68%	92.31%	98.08%	Pass
Sawla	100%	100%	100%	100%	Pass

3G COVERAGE TEST

Greater Accra

District Capital	Average RSCP (\geq -105dBm)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	-79.56	-81.54	-80.64	-81.19	Pass
Accra Central	-71.60	-72.25	-73.22	-73.34	Pass
Accra New Town	-71.11	-70.72	-70.59	-70.33	Pass
Ada Foah	-96.73	-96.96	-96.80	-96.49	Pass
Adenta	-78.34	-79.68	-84.55	-79.87	Pass
Amasaman	-86.21	-88.33	-87.45	-87.39	Pass
Ashaiman	-69.83	-70.94	-70.25	-70.64	Pass
Dodowa	-94.74	-93.53	-96.93	-93.92	Pass
Dzorwulu	-79.63	No Data	-75.67	-78.41	Pass
Kpone	-77.56	-78.45	-80.53	-83.63	Pass
Madina	-75.72	-77.04	-77.32	-77.19	Pass
Nungua	-77.33	-76.75	-76.35	-77.28	Pass
Ofankor	-80.08	-76.62	-76.24	-78.94	Pass
Sege	-78.10	-78.20	-78.55	-78.44	Pass
Sowutuom	-79.05	-77.16	-78.87	-78.86	Pass
Tesano	-78.35	-77.26	-77.80	-76.23	Pass
Teshie	-77.89	-75.94	-76.11	-75.50	Pass

Ashanti Region

District Capital	Average RSCP (\geq -105dBm)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	-82.75	-87.30	-83.26	-84.53	Pass
Asiwa	-85.22	-85.61	-84.40	-83.64	Pass
Asokore Mampong	-76.85	-77.83	-76.08	-77.07	Pass
Bekwai	-81.42	-81.33	-80.94	-81.75	Pass

Effiduase	-92.18	-90.39	-91.81	-91.76	Pass
Ejisu	-88.20	-87.78	-86.60	-84.38	Pass
Foase	-85.57	-84.74	-84.01	-82.99	Pass
Fomena	-86.19	-86.10	-85.60	-85.07	Pass
Juaben	-82.85	-84.12	-83.70	-83.47	Pass
Kodie	-105.20	-105.82	-106.55	-106.09	Fail
Kumasi	-74.72	-75.23	-75.82	-75.04	Pass
Kuntanase	-88.33	-88.86	-88.06	-86.85	Pass
Mamponteng	-86.21	-86.25	-86.61	-85.15	Pass
New Edubiase	-100.34	-99.18	-99.01	-98.92	Pass
Nkawie	-96.87	-96.72	-96.82	-97.78	Pass
Nsuta	-93.00	-93.12	-93.05	-92.09	Pass
Offinso	-86.79	-87.33	-86.20	-87.05	Pass
Oforikrom	-72.79	-70.50	-70.75	-71.44	Pass

Eastern Region

District Capital	Average RSCP ($\geq -105\text{dBm}$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	-88.75	-89.82	-88.06	No Data	Pass
Adeiso	-76.88	-67.82	-77.51	-77.02	Pass
Atiwa	-85.79	-84.02	-81.73	-82.93	Pass
Coaltar	-87.72	No Data	-88.58	-74.39	Pass
Koforidua	-85.44	-90.55	-84.78	-85.05	Pass
Kyebi	-84.72	-84.18	-83.77	-78.84	Pass
Mpreaso	-78.84	-79.93	-80.36	-81.40	Pass
Nsawam	-84.67	-81.53	-81.81	-81.40	Pass
Suhum	-87.43	-85.39	-87.34	-88.37	Pass

Northern

District Capital	Average RSCP ($\geq -105\text{dBm}$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushegu	-90.33	-89.30	-89.31	-90.21	Pass
Karaga	-77.99	-77.36	-77.74	-78.50	Pass
Kumbungu	-91.17	-90.89	-87.48	-86.44	Pass
Tolon	-89.04	-86.66	-85.13	-83.01	Pass
Yendi	-89.10	-89.73	-88.38	-91.13	Pass

North East

District Capital	Average RSCP (≥ -105dBm)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	-73.63	-72.43	-72.90	-73.98	Pass
Walewale	-90.14	-92.26	-90.76	-88.99	Pass

Savannah

District Capital	Average RSCP (≥ -105dBm)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Bole	-84.16	-83.60	-83.98	-82.73	Pass
Salaga	-93.10	-93.61	-93.58	-100.25	Pass
Sawla	-81.07	-81.45	-80.80	-80.07	Pass

GLO RESULTS VOICE TEST (CST)

Greater Accra

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	22.98	09.39	09.96	18.91	Pass
Accra Central	06.86	07.78	07.49	07.09	Pass
Accra New Town	14.49	08.74	07.75	08.49	Pass
Ada Foah	No Coverage				
Adenta	07.15	06.31	07.11	09.19	Pass
Amasaman	22.66	10.46	16.67	13.93	Fail
Ashaiman	07.56	08.48	07.28	08.50	Pass
Dodowa	11.24	10.04	10.24	08.58	Pass
Dzorwulu	07.61	06.77	07.33	07.38	Pass
Kpone	10.54	09.27	08.58	09.43	Pass
Madina	06.80	06.71	07.11	06.47	Pass
Nungua	14.80	10.07	11.86	13.53	Fail
Ofankor	09.51	07.55	08.25	07.56	Pass
Sege	05.14	08.66	09.00	04.50	Pass
Sowutuom	08.72	07.98	09.99	09.05	Pass
Tesano	08.27	07.99	06.57	06.88	Pass
Teshie	11.69	10.52	10.40	10.69	Fail

Ashanti Region

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	15.97	13.53	16.97	24.34	Fail
Asiwa	No Coverage				
Asokore Mampong	5.80	6.80	5.90	6.00	Pass
Bekwai	9.23	6.83	19.20	18.37	Pass
Effiduase	6.51	11.56	15.92	20.12	Pass
Ejisu	22.00	12.00	12.00	16.00	Fail
Foase	15.78	17.11	14.61	18.37	Fail
Fomena	No Coverage				
Juaben	8.47	21.13	20.87	23.17	Pass
Kodie	17.61	16.58	4.75	10.08	Pass
Kumasi	6.60	7.40	8.50	7.40	Pass
Kuntanase	11.50	20.27	22.61	17.84	Fail
Mampong	09.46	14.89	11.45	11.55	Pass
New Edubiase	No Coverage				
Nkawie	19.21	19.49	19.63	19.34	Fail
Nsuta	11.43	15.06	-	-	-
Offinso	22.42	19.96	7.70	6.69	Pass
Oforikrom	15.1	06.70	06.2	15.4	Pass

Eastern Region

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	15.31	No Data	24.80	22.05	Pass
Adeiso	08.00	26.53	12.11	27.84	Pass
Atiwa	No Coverage				
Coaltar	No Coverage				
Koforidua	06.31	06.87	06.06	08.73	Pass
Kyebi	No Coverage				
Mpreaso	13.18	15.05	13.74	07.92	Pass
Nsawam	26.94	24.62	14.92	21.66	Fail
Suhum	09.85	12.28	13.81	0.00	Pass

Northern

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushegu	No 3G Coverage				
Karaga					
Kumbungu					
Tolon					
Yendi					

North East

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	No 3G Coverage				
Walewale					

Savannah

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Bole	No 3G Coverage				
Salaga					
Sawla					

VOICE QUALITY (MOS)

Greater Accra

District Capital	Average MOS (>3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	2.37	2.30	2.32	2.38	Fail
Accra Central	2.47	2.46	2.52	2.59	Fail
Accra New Town	2.46	2.57	2.62	2.59	Fail
Ada Foah	No Coverage				
Adenta	2.68	2.61	2.61	2.63	Fail
Amasaman	2.06	2.17	2.23	2.14	Fail

Ashaiman	2.43	2.34	2.46	2.45	Fail
Dodowa	2.43	2.59	2.53	2.57	Fail
Dzorwulu	2.64	2.65	2.61	2.59	Fail
Kpone	2.33	2.35	2.38	2.40	Fail
Madina	2.55	2.59	2.63	2.61	Fail
Nungua	2.55	2.61	2.52	2.54	Fail
Ofankor	2.59	2.64	2.65	2.68	Fail
Sege	2.92	2.80	2.56	1.01	Fail
Sowutuom	2.61	2.60	2.63	2.62	Fail
Tesano	2.46	2.49	2.49	2.52	Fail
Teshie	2.51	2.55	2.55	2.52	Fail

Ashanti Region

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	2.23	2.26	2.38	2.17	Fail
Asiwa	No Coverage				
Asokore Mampong	2.67	2.69	2.75	2.69	Pass
Bekwai	2.69	No Data	2.45	2.54	-
Effiduase	No Coverage				
Ejisu	2.50	2.52	2.42	2.41	Fail
Foase	2.58	2.54	2.58	2.43	Fail
Fomena	No Coverage				
Juaben	No Coverage				
Kodie	2.25	2.63	No Data	No Data	-
Kumasi	2.65	2.62	2.56	2.62	Fail
Kuntanase	2.45	2.42	2.51	1.01	Fail
Mampong	2.65	2.58	2.59	2.65	Fail
New Edubiase	No Coverage				
Nkawie	2.24	2.19	2.29	No Data	-
Nsuta	2.03	2.18	No Data	No Data	-
Offinso	1.02	2.37	2.56	No Data	-
Oforikrom	2.74	2.78	2.75	2.72	Fail

Eastern Region

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	2.25	-	2.12	2.22	
Adeiso	2.40	2.21	2.40	2.39	Fail
Atiwa	No 3G Coverage				
Coaltar	No 3G Coverage				
Koforidua	2.65	2.61	2.57	2.60	Fail
Kyebi	No 3G Coverage				
Mpreaso	2.45	2.34	2.45	2.54	Fail
Nsawam	2.01	1.88	1.96	1.94	Fail
Suhum	2.52	1.11	1.01	2.65	Fail

Northern

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushegu	No 3G Coverage				
Karaga					
Kumbungu					
Tolon					
Yendi					

North East

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	No 3G Coverage				
Walewale					

Savannah

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Bole	No 3G Coverage				
Salaga					
Sawla					

3G DATA

Greater Accra

District Capital	Average Data Throughput \geq 256kbps ($>90\%$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	98.48 %	85.00%	93.94%	100.00%	Pass
Accra Central	100.00%	100.00%	100.00%	100.00%	Pass
Accra New Town	100.00%	100.00%	100.00%	100.00%	Pass
Ada Foah	No Coverage				-
Adenta	100.00%	100.00%	100.00%	94.52%	Pass
Amasaman	26.67%	50.00%	0.00%	0.00%	Fail
Ashaiman	100.00%	95.00%	100.00%	92.31%	Pass
Dodowa	97.44%	100.00%	94.87%	82.86%	Pass
Dzorwulu	98.39%	98.33%	100.00%	94.20%	Pass
Kpone	92.86%	97.50%	100.00%	100.00%	Pass
Madina	100.00%	98.70%	100.00%	95.00%	Pass
Nungua	100.00%	97.78%	100.00%	100.00%	Pass
Ofankor	77.42%	97.87%	100.00%	100.00%	Pass
Sege	100.00%	100.00%	100.00%	42.86%	Pass
Sowutuom	100.00%	100.00%	100.00%	100.00%	Pass
Tesano	100.00%	100.00%	100.00%	100.00%	Pass
Teshie	89.80%	90.70%	84.85%	67.86%	Pass

Ashanti Region

District Capital	Average Data Throughput \geq 256kbps ($> 90\%$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	-	100.00%	91.07%	100.00%	
Asiwa					
Asokore Mampong	100.00%	100.00%	100.00%	100.00%	Pass
Bekwai	100.00%	21.43%	100.00%	100.00%	Pass
Effiduase	97.67%	100.00%	95.24%		
Ejisu	100.00%	100.00%	95.12%	100.00%	Pass
Foase	0.00%	86.36%	0.00%		
Fomena					
Juaben	65.00%	82.61%	93.33%	100.00%	Pass
Kodie	100.00%	100.00%	100.00%	90.63%	Pass
Kumasi	100.00%	99.29%	98.06%	98.20%	Pass
Kuntanase	85.71%	85.71%	90.00%	80.00%	Fail
Mampong	93.10%	100.00%	95.00%	96.15%	Pass
New Edubiase					

Nkawie	16.67%	23.08%	56.25%	16.67%	Fail
Nsuta	0.00%	10.00%	42.86%	-	
Offinso	100.00%	93.75%	88.89%	83.87%	Pass
Oforikrom	99.16	100	100	100	

Eastern Region

District Capital	Average Data Throughput \geq 256kbps ($>$ 90%)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	0.00%		100.00%	100.00%	Pass
Adeiso	No 3G Coverage				
Atiwa	100.00%	100.00%	100.00%	100.00%	Pass
Coaltar	No 3G Coverage				
Koforidua	100.00%	100.00%	100.00%	100.00%	Pass
Kyebi	No 3G Coverage				
Mpreaso	57.14%	100.00%	100.00%	100.00%	Pass
Nsawam	100.00%	0.00%	0.00%	0.00%	Pass
Suhum	100.00%	100.00%	100.00%	100.00%	Pass

Northern

District Capital	95 th Percentile of Call Setup Time ($<$ 10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushegu	No 3G Coverage				
Karaga					
Kumbungu					
Tolon					
Yendi					

North East

District Capital	95 th Percentile of Call Setup Time ($<$ 10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	No 3G Coverage				
Walewale					

Savannah

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Bole	No 3G Coverage				
Salaga					
Sawla					

3G COVERAGE TEST

Greater Accra

District Capital	Average RSCP (≥ -105dBm)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	-92.70	-93.84	-93.67	-93.62	Pass
Accra Central	-81.33	-81.98	-81.83	-79.99	Pass
Accra New Town	-76.67	-77.00	-77.51	-76.63	Pass
Ada Foah	No Coverage				
Adenta	-83.99	-80.54	-80.42	-85.10	Pass
Amasaman	-80.78	-85.34	-85.42	-84.96	Pass
Ashaiman	-81.75	-80.49	-80.51	-80.38	Pass
Dodowa	-107.51	-107.58	-108.29	-108.50	Fail
Dzorwulu	-85.81	-86.05	-86.17	-86.40	Pass
Kpone	-83.17	-82.72	-83.33	-84.17	Pass
Madina	-81.12	-78.73	-78.92	-79.24	Pass
Nungua	-76.58	-76.07	-76.25	-75.96	Pass
Ofankor	-90.95	-84.06	-82.36	-84.09	Pass
Sege	-100.69	-102.28	-102.28	-116.11	Pass
Sowutuom	-81.18	-78.61	-80.51	-80.90	Pass
Tesano	-78.92	-77.57	-80.94	-80.31	Pass
Teshie	-84.08	-79.32	-85.23	-82.04	Pass

Ashanti Region

District Capital	Average RSCP (≥ -105dBm)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	-106.25	-105.06	-112.27	-104.88	Pass
Asiwa	No Coverage				
Asokore Mampong	-77.03	-77.73	-78.26	-81.14	Pass
Bekwai	-88.98	-94.93	-94.83	-94.73	Pass
Effiduase	-82.45	-82.31	-86.16	-92.85	Pass
Ejisu	90.75	84.19	84.49	83.67	Pass
Foase	-98.00	-97.78	-97.51	-90.15	Pass
Fomena	No Coverage				
Juaben	-108.34	-110.18	-110.57	-102.90	Pass
Kodie	-103.71	-107.11	-105.91	-107.51	Pass
Kumasi	77.26	76.12	78.78	76.01	Pass
Kuntanase	-108.21	-104.86	-105.78	-104.92	Pass
Mampong	-100.79	-101.68	-102.05	-101.28	Pass
New Edubiase	-114.89	-115.50	-113.17	-112.54	Fail
Nkawie	-113.22	-112.84	-112.73	-112.30	Fail
Nsuta	-110.42	-110.80	No Data	No Data	-
Offinso	-112.53	-111.27	-111.22	-112.43	Fail
Oforikrom	76.34	76.01	76.00	77.66	Pass

Eastern Region

District Capital	Average RSCP (≥ -105dBm)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	-110.60	No Data	-109.48	-108.76	Fail
Adeiso	-83.09	-76.89	-81.74	No Data	Pass
Atiwa	-111.25	-111.55	-111.87	-111.25	Fail
Coaltar	-112.78	-113.80	-113.70	-110.98	Fail
Koforidua	-84.19	-82.81	-82.77	-84.36	Pass
Kyebi	No 3G Coverage				
Mpreaso	-88.48	-88.93	No Data	-89.25	Pass
Nsawam	-100.68	-100.48	-100.93	-99.12	Pass
Suhum	-84.93	-112.99	-112.65	-86.67	Pass

Northern

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushegu	No 3G Coverage				
Karaga					

Kumbungu		
Tolon		
Yendi		

North East

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	No 3G Coverage				
Walewale					

Savannah

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Bole	No 3G Coverage				
Salaga					
Sawla					

MTN RESULTS

VOICE TEST (CST)

Greater Accra

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	08.11	11.52	06.80	07.58	Pass
Accra Central	08.24	09.30	07.37	06.62	Pass
Accra New Town	07.68	05.80	08.27	08.07	Pass
Ada Foah	04.01	04.63	04.69	04.34	Pass
Adenta	08.33	07.74	No Data	06.58	Pass
Amasaman	08.35	11.10	08.71	09.67	Pass
Ashaiman	08.09	10.59	09.06	09.75	Pass
Dodowa	08.61	05.81	05.77	07.97	Pass
Dzorwulu	08.20	06.96	07.78	06.04	Pass
Kpone	06.53	09.62	07.35	10.48	Pass
Madina	08.62	08.78	09.92	08.10	Pass
Nungua	09.39	08.00	08.54	08.81	Pass
Ofankor	10.04	09.76	06.19	08.97	Pass
Sege	04.26	04.79	04.99	04.74	Pass
Sowutuom	08.59	10.72	07.62	08.58	Pass
Tesano	07.10	07.04	08.81	06.85	Pass
Teshie	08.26	06.81	09.83	08.04	Pass

Ashanti Region

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	8.80	8.98	7.43	7.32	Pass
Asiwa	7.87	6.61	5.50	7.98	Pass
Asokore Mampong	9.23	8.22	8.91	7.45	Pass
Bekwai	7.10	9.48	6.91	7.46	Pass
Effiduase	8.74	8.33	9.07	9.86	Pass
Ejisu	10.02	8.90	8.91	10.48	Pass
Foase	4.35	4.62	5.72	5.65	Pass
Fomena	5.24	4.92	5.27	3.94	Pass
Juaben	7.05	6.99	6.67	6.61	Pass
Kodie	9.49	9.49	6.94	10.25	Pass
Kumasi	8.50	9.30	8.90	9.00	Pass
Kuntanase	6.19	6.63	5.79	8.37	Pass
Mampong	11.09	9.25	8.96	9.50	Pass
New Edubiase	8.43	9.43	6.89	6.71	Pass
Nkawie	6.42	7.60	7.30	6.35	Pass

Nsuta	6.57	7.71	6.53	9.53	Pass
Offinso	8.39	9.65	10.71	11.02	Pass
Oforikrom	9.04	7.93	8.19	9.21	Pass

Northern Region

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushegu	06.00	04.68	04.53	05.74	Pass
Karaga	04.70	05.78	05.42	05.12	Pass
Kumbungu	06.76	06.71	06.00	05.87	Pass
Tolon	05.45	05.66	05.82	04.60	Pass
Yendi	11.25	07.40	07.69	07.27	Pass

North East Region

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	06.41	05.58	04.82	05.41	Pass
Walewale	05.65	06.60	06.99	06.10	Pass

Savannah Region

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Bole	06.44	06.98	06.10	06.05	Pass
Salaga	06.61	06.20	06.11	05.50	Pass
Sawla	05.95	05.14	04.14	04.54	Pass

Eastern Region

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	06.00	06.08	07.90	05.81	Pass
Adeiso	06.45	05.38	05.38	06.26	Pass
Atiwa West	08.54	06.61	06.95	07.68	Pass
Coaltar	06.92	08.77	07.61	07.55	Pass
Koforidua	10.11	11.25	11.24	10.20	Fail
Kyebi	07.04	05.84	07.27	07.11	Pass
Mpraeso	07.03	08.17	07.07	08.55	Pass
Nsawam	09.96	09.33	09.14	10.18	Pass
Suhum	08.01	09.57	08.28	08.06	Pass

VOICE QUALITY (MOS)

Greater Accra

District Capital	Average MOS (>3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	3.71	3.71	3.17	3.20	Pass
Accra Central	3.65	3.64	3.68	3.74	Pass
Accra New Town	3.59	3.62	3.63	3.67	Pass
Ada Foah	3.75	3.76	3.79	3.77	Pass
Adenta	3.68	3.69	No Data	3.15	Pass
Amasaman	3.23	3.62	3.65	3.71	Pass
Ashaiman	3.65	3.64	3.69	3.63	Pass
Dodowa	3.68	3.72	3.70	3.72	Pass
Dzorwulu	3.67	3.68	3.63	3.64	Pass
Kpone	3.63	3.68	3.73	3.71	Pass
Madina	3.70	3.68	3.66	3.67	Pass
Nungua	3.71	3.61	3.63	3.61	Pass
Ofankor	3.51	3.65	3.58	3.67	Pass
Sege	3.77	3.73	3.72	3.76	Pass
Sowutuom	3.68	3.63	3.64	3.65	Pass
Tesano	3.67	3.63	3.66	3.69	Pass
Teshie	3.62	3.61	3.62	3.61	Pass

Ashanti Region

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	3.69	3.70	3.67	3.75	Pass
Asiwa	3.74	3.74	3.75	3.78	Pass
Asokore Mampong	3.70	3.73	3.74	3.73	Pass
Bekwai	3.72	3.29	3.36	3.34	Pass
Effiduase	3.70	3.68	3.68	3.70	Pass
Ejisu	3.55	3.58	3.59	3.52	Pass
Foase	3.77	3.79	3.80	3.77	Pass
Fomena	3.40	3.42	3.43	3.43	Fail
Juaben	3.79	3.79	3.78	3.79	Pass
Kodie	3.67	3.60	3.50	3.59	Pass
Kumasi	3.68	3.67	3.69	3.69	Pass
Kuntanase	3.75	3.76	3.77	3.78	Pass
Mampong	3.65	3.61	3.62	3.60	Pass
New Edubiase	3.54	3.36	3.35	3.39	Pass
Nkawie	3.71	3.71	3.71	3.70	Pass
Nsuta	3.56	3.60	3.57	3.60	Pass

Offinso	3.65	3.65	3.64	3.51	Pass
Oforikrom	3.73	3.75	3.73	3.74	Pass

Northern Region

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushegu	3.79	3.77	3.78	3.77	Pass
Karaga	3.80	3.79	3.77	3.80	Pass
Kumbungu	3.80	3.80	3.78	3.76	Pass
Tolon	3.81	3.72	3.79	3.78	Pass
Yendi	3.76	3.73	3.73	3.75	Pass

North East Region

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	3.71	3.76	3.72	3.71	Pass
Walewale	3.74	3.75	3.76	3.73	Pass

Savannah Region

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Bole	3.77	3.76	3.76	3.75	Pass
Salaga	3.73	3.78	3.79	3.79	Pass
Sawla	3.78	3.53	3.80	3.75	Pass

Eastern Region

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	3.75	3.70	3.75	3.77	Pass
Adeiso	3.78	3.72	3.79	3.76	Pass
Atiwa West	3.64	3.75	3.75	3.75	Pass
Coaltar	3.46	3.49	3.58	3.41	Pass
Koforidua	3.66	3.59	3.62	3.58	Pass
Kyebi	3.77	3.76	1.01	3.71	Pass
Mpraeso	3.66	3.61	3.75	3.48	Pass
Nsawam	3.70	3.70	3.67	3.72	Pass
Suhum	3.71	3.70	3.69	3.71	Pass

3G DATA

Greater Accra

District Capital	Average Data Throughput \geq 256kbps ($>90\%$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	97.85 %	98.33 %	100.00%	97.75%	Pass
Accra Central	98.85 %	100.00 %	96.88%	100.00%	Pass
Accra New Town	99.02 %	99.04 %	100.00%	100.00%	Pass
Ada Foah	100.00 %	100.00 %	100.00%	100.00%	Pass
Adenta	97.73 %	85.11 %	97.75%	98.39%	Pass
Amasaman	85.42 %	84.62 %	91.67%	96.67%	Pass
Ashaiman	100.00%	100.00 %	100.00%	100.00%	Pass
Dodowa	98.25%	100.00 %	100.00%	91.49%	Pass
Dzorwulu	100.00%	100.00%	100.00%	100.00%	Pass
Kpone	100.00%	100.00%	100.00%	98.36%	Pass
Madina	100.00%	100.00%	99.15%	97.92%	Pass
Nungua	100.00%	94.55%	100.00%	100.00%	Pass
Ofankor	100.00%	100.00%	100.00%	100.00%	Pass
Sege	100.00%	100.00%	100.00%	100.00%	Pass
Sowutuom	95.52%	100.00%	100.00%	98.41%	Pass
Tesano	100.00%	100.00%	100.00%	99.19%	Pass
Teshie	98.11%	100.00%	100.00%	100.00%	Pass

Ashanti Region

District Capital	Average Data Throughput \geq 256kbps ($> 90\%$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	100.00%	100.00%	100.00%	100.00%	Pass
Asiwa	100.00%	100.00%	100.00%	100.00%	Pass
Asokore Mampong	100.00%	100.00%	100.00%	100.00%	Pass
Bekwai	100.00%	100.00%	100.00%	100.00%	Pass
Effiduase	100.00%	100.00%	100.00%	100.00%	Pass
Ejisu	100.00%	96.97%	83.33%	98.11%	Pass
Foase	100.00%	100.00%	94.87%	98.36%	Pass
Fomena	100.00%	98.57%	100.00%	100.00%	Pass
Juaben	100.00%	100.00%	100.00%	100.00%	Pass
Kodie	100.00%	100.00%	100.00%	100.00%	Pass
Kumasi	98.41%	100.00%	100.00%	99.06%	Pass
Kuntanase	100.00%	98.80%	100.00%	100.00%	Pass
Mampong	100.00%	100.00%	100.00%	98.11%	Pass
New Edubiase	100.00%	100.00%	100.00%	100.00%	Pass
Nkawie	91.49%	90.57%	98.11%	100.00%	Pass

Nsuta	100.00%	99.30%	100.00%	100.00%	Pass
Offinso	98.70%	96.08%	100.00%	100.00%	Pass
Oforikrom	100.00%	100.00%	100.00%	98.53%	Pass

Northern Region

District Capital	Average Data Throughput \geq 256kbps ($>$ 90%)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushiegu	100.00%	100.00%	100.00%	100.00%	Pass
Karaga	100.00%	100.00%	100.00%	100.00%	Pass
Kumbungu	100.00%	99.47%	100.00%	100.00%	Pass
Tolon	100.00%	100.00%	100.00%	100.00%	Pass
Yendi	100.00%	100.00%	100.00%	100.00%	Pass

North East Region

District Capital	Average Data Throughput \geq 256kbps ($>$ 90%)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	100%	100%	100%	100%	Pass
Walewale	100%	100%	100%	100%	Pass

Savannah Region

District Capital	Average Data Throughput \geq 256kbps ($>$ 90%)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Bole	100%	100%	100%	100%	Pass
Sawla	100%	97.37%	98.41%	100%	Pass
Salaga	100%	100%	100%	100%	Pass

Eastern North

District Capital	Average Data Throughput \geq 256kbps ($>$ 90%)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	100.00%	100.00%	100.00%	100.00%	Pass
Adeiso	100.00%	100.00%	100.00%	100.00%	Pass
Atiwa West	100.00%	92.86%	100.00%	100.00%	Pass
Coaltar	100.00%	100.00%	100.00%	100.00%	Pass
Koforidua	91.30%	100.00%	100.00%	No Data	Pass
Kyebi	100.00%	100.00%	100.00%	No Data	Pass
Mpraeso	100.00%	100.00%	100.00%	100.00%	Pass
Nsawam	100.00%	100.00%	100.00%	100.00%	Pass
Suhum	100.00%	100.00%	100.00%	100.00%	Pass

3G COVERAGE TEST

Greater Accra

District Capital	Average RSCP ($\geq -105\text{dBm}$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	-82.40	-82.73	-83.39	-83.13	Pass
Accra Central	-70.43	-71.64	-72.08	-71.88	Pass
Accra New Town	-72.01	-72.32	-73.26	-71.95	Pass
Ada Foah	-78.01	-77.14	-77.48	-77.73	Pass
Adenta	-84.01	-77.00	-76.82	-76.94	Pass
Amasaman	-89.15	-93.09	-91.59	-91.15	Pass
Ashaiman	-72.00	-72.59	-73.22	-73.60	Pass
Dodowa	-83.01	-80.25	-81.93	-83.06	Pass
Dzorwulu	-75.45	-75.81	-75.88	-75.86	Pass
Kpone	-76.17	-75.42	-76.22	-76.82	Pass
Madina	-74.86	-76.99	-76.68	-75.55	Pass
Nungua	-78.27	-78.42	-77.54	-77.58	Pass
Ofankor	-79.12	-77.85	-79.34	-77.20	Pass
Sege	-69.77	-70.27	-70.36	-69.37	Pass
Sowutuom	-81.39	-78.99	-79.59	-80.00	Pass
Tesano	-77.51	-76.91	-78.24	-77.63	Pass
Teshie	-76.95	-75.42	-75.36	-75.02	Pass

Ashanti Region

District Capital	Average RSCP ($\geq -105\text{dBm}$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	-75.73	-76.75	-76.72	-76.25	Pass
Asiwa	-86.34	-89.45	-86.95	-86.06	Pass
Asokore Mampong	-71.78	-72.70	-72.37	-71.65	Pass
Bekwai	-78.08	-77.70	-77.62	-76.46	Pass
Effiduase	-74.14	-76.97	-80.70	-80.07	Pass
Ejisu	-75.41	-75.74	-74.00	-71.92	Pass
Foase	-79.78	-79.43	-77.92	-78.31	Pass
Fomena	-73.61	-73.70	-71.47	-70.11	Pass
Juaben	-75.24	-75.90	-77.04	-76.30	Pass
Kodie	-82.73	-85.90	-84.95	-81.60	Pass
Kumasi	-68.30	-69.26	-68.40	-69.23	Pass
Kuntanase	-81.10	-83.82	-83.40	-83.64	Pass
Mampong	-75.90	-76.48	-77.87	-75.51	Pass
New Edubiase	-76.97	-76.22	-73.46	-73.59	Pass
Nkawie	-77.60	-80.68	-81.20	-80.79	Pass

Nsuta	-79.43	-78.74	-81.03	-78.32	Pass
Offinso	-82.29	-85.63	-84.30	-84.31	Pass
Oforikrom	-67.64	-67.19	-65.53	-67.79	Pass

Northern Region

District Capital	Average RSCP ($\geq -105\text{dBm}$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushegu	-79.42	-78.98	-78.49	-79.57	Pass
Karaga	-77.08	-74.13	-75.02	-76.14	Pass
Kumbungu	-87.54	-84.95	-83.16	-79.00	Pass
Tolon	-83.21	-79.29	-79.42	-73.66	Pass
Yendi	-87.00	-77.64	-77.54	-78.80	Pass

North East Region

District Capital	Average RSCP ($\geq -105\text{dBm}$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	-83.89	-81.25	-82.30	-82.40	Pass
Walewale	-82.82	-82.04	-83.41	-82.28	Pass

Savannah Region

District Capital	Average RSCP ($\geq -105\text{dBm}$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Bole	-76.68	-76.48	-77.28	-76.24	Pass
Salaga	-83.77	-81.58	-82.24	-81.99	Pass
Sawla	-79.66	-79.26	-77.78	-79.48	Pass

Eastern Region

District Capital	Average RSCP ($\geq -105\text{dBm}$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	-77.94	-74.02	-77.10	-76.00	Pass
Adeiso	-74.08	-76.25	-74.09	-72.52	Pass
Atiwa West	-82.70	-80.90	-79.71	-79.49	Pass
Coaltar	-75.94	-78.38	-79.71	No Data	Pass
Koforidua	-75.36	-77.42	-76.84	-76.45	Pass
Kyebi	-75.99	-76.03	-75.26	-76.16	Pass
Mpraeso	-73.56	-72.57	-71.78	-73.09	Pass
Nsawam	-72.50	-70.54	-71.89	-71.72	Pass
Suhum	-76.64	-76.83	-76.61	-77.30	Pass

VODAFONE RESULTS

VOICE TEST (CST)

Greater Accra

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	13.59	12.98	09.94	12.73	Pass
Accra Central	09.71	07.76	09.18	06.11	Pass
Accra New Town	10.80	12.69	11.83	11.67	Fail
Ada Foah	03.61	03.43	03.87	03.85	Pass
Adenta	06.78	09.34	11.51	11.04	Pass
Amasaman	09.14	11.21	12.55	12.81	Pass
Ashaiman	07.97	10.70	08.57	08.61	Pass
Dodowa	09.25	09.07	07.77	12.86	Pass
Dzorwulu	18.34	12.23	12.16	08.48	Pass
Kpone	07.80	10.09	07.52	07.51	Pass
Madina	10.25	12.17	07.25	08.12	Pass
Nungua	10.17	12.69	11.34	10.93	Fail
Ofankor	11.13	11.67	10.21	12.87	Fail
Sege	03.96	04.16	04.18	04.01	Pass
Sowutuom	11.21	13.39	09.52	11.25	Pass
Tesano	13.18	10.14	11.91	04.89	Pass
Teshie	12.06	08.19	08.68	11.09	Pass

Ashanti Region

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	4.95	3.97	5.10	5.96	Pass
Asiwa	4.08	4.31	3.40	3.38	Pass
Asokore Mampong	8.58	7.37	10.63	8.40	Pass
Bekwai	6.60	7.65	8.92	7.78	Pass
Effiduase	4.20	6.18	5.37	5.41	Pass
Ejisu	18.67	16.83	16.98	16.71	Fail
Foase	4.90	7.01	6.00	4.38	Pass
Fomena	4.54	7.57	10.58	7.40	Pass
Juaben	4.62	4.56	4.23	4.54	Pass

Kodie	6.40	5.53	5.69	5.82	Pass
Kumasi	13.7	13.8	13.4	11.6	Fail
Kuntanase	12.30	14.08	4.36	6.69	Pass
Mampong	13.66	13.69	15.39	135.8	Fail
New Edubiase	6.57	6.14	5.06	5.06	Pass
Nkawie	7.36	7.61	7.66	7.20	Pass
Nsuta	3.78	3.87	4.73	3.81	Pass
Offinso	6.71	7.12	6.68	4.94	Pass
Oforikrom	9.50	8.74	8.39	9.63	Pass

Eastern Region

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	03.63	08.28	05.40	03.90	Pass
Adeiso	03.76	04.00	03.87	04.37	Pass
Atiwa West	06.68	07.68	05.25	05.52	Pass
Coaltar	03.00	03.63	02.73	No Data	Pass
Koforidua	08.44	10.00	08.46	08.09	Pass
Kyebi	04.82	05.60	04.92	04.85	Pass
Mpraeso	11.80	12.36	08.51	12.48	Pass
Nsawam	07.97	13.30	08.18	10.55	Pass
Suhum	06.86	05.68	05.20	04.03	Pass

Northern

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushiegu	05.65	05.81	07.68	04.95	Pass
Karaga	12.33	09.41	04.61	07.06	Pass
Kumbungu	05.47	00.00	04.42	04.37	Pass
Tolon	07.44	07.97	05.50	05.05	Pass
Yendi	06.86	06.30	08.50	09.43	Pass

North East

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	05.27	04.81	04.22	05.34	Pass
Walewale	05.87	06.40	05.50	06.70	Pass

Savannah

District Capital	95 th Percentile of Call Setup Time (<10 sec)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Bole	04.96	05.21	04.39	04.80	Pass

Salaga	08.41	05.42	05.34	06.22	Pass
Sawla	04.12	03.99	04.12	04.24	Pass

VOICE QUALITY (MOS)

Greater Accra

District Capital	Average MOS (>3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	3.45	3.46	3.50	3.53	Pass
Accra Central	3.52	3.53	3.63	3.71	Pass
Accra New Town	3.52	3.55	3.50	3.55	Pass
Ada Foah	3.79	3.80	3.75	3.80	Pass
Adenta	3.52	3.55	3.62	3.60	Pass
Amasaman	3.32	3.24	3.23	3.34	Fail
Ashaiman	3.58	3.55	3.54	3.50	Pass
Dodowa	3.54	3.57	3.61	3.56	Pass
Dzorwulu	3.48	3.51	3.50	3.50	Pass
Kpone	3.29	3.28	3.36	3.34	Fail
Madina	3.56	3.60	3.59	3.59	Pass
Nungua	3.46	3.53	3.53	3.52	Pass
Ofankor	3.56	3.51	3.49	3.49	Pass
Sege	3.73	3.70	3.68	3.73	Pass
Sowutuom	3.48	3.50	3.52	3.52	Pass
Tesano	3.46	3.34	3.38	3.63	Pass
Teshie	3.56	3.56	3.55	3.60	Pass

Ashanti Region

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	3.64	3.73	3.71	3.66	Pass
Asiwa	3.77	3.66	3.65	3.66	Pass
Asokore Mampong	3.57	3.64	3.66	3.67	Pass
Bekwai	3.04	2.94	2.96	2.85	Fail
Effiduase	3.62	3.66	3.63	3.64	Pass
Ejisu	2.90	2.93	2.94	2.76	Fail
Foase	3.34	3.33	3.35	3.30	Fail
Fomena	3.33	3.18	3.08	3.09	Fail

Juaben	3.73	3.69	3.75	3.76	Pass
Kodie	3.58	3.54	3.63	3.64	Pass
Kumasi	3.54	3.59	3.52	3.59	Pass
Kuntanase	3.65	3.60	3.68	3.32	Pass
Mampong	3.41	3.46	3.47	3.29	Fail
New Edubiase	2.99	3.11	3.20	3.25	Fail
Nkawie	2.72	2.68	2.71	2.71	Fail
Nsuta	3.75	3.72	3.72	3.75	Pass
Offinso	3.52	3.55	3.47	3.49	Pass
Oforikrom	3.68	3.66	3.67	3.63	Pass

Eastern Region

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	3.65	3.38	3.54	3.62	Pass
Adeiso	3.68	3.65	3.73	3.65	Pass
Atiwa West	3.53	3.41	3.57	3.68	Pass
Coaltar	3.78	3.77	3.68	No Data	Pass
Koforidua	3.55	3.56	3.56	3.60	Pass
Kyebi	3.70	3.57	3.67	3.73	Pass
Mpraeso	3.53	3.03	3.48	3.03	Pass
Nsawam	3.53	3.46	3.46	3.40	Pass
Suhum	3.33	3.35	3.33	No Data	-

Northern

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushiegu	3.46	3.39	3.58	3.42	Pass
Karaga	3.33	3.52	3.54	3.35	Pass
Kumbungu	3.58	3.63	3.55	3.50	Pass
Tolon	3.53	3.61	3.60	3.65	Pass
Yendi	3.44	3.43	3.50	3.41	Pass

Northern East

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	3.66	3.55	3.60	3.40	Pass
Walewale	3.53	3.55	3.58	3.60	Pass

Savannah

District Capital	Average MOS (> 3.5)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	

Bole	3.68	3.67	3.69	3.66	Pass
Salaga	3.64	3.57	3.58	3.49	Pass
Sawla	3.78	3.74	3.75	3.77	Pass

3G DATA

Greater Accra

District Capital	Average Data Throughput \geq 256kbps ($>90\%$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	100.00%	98.75%	98.88%	98.73%	Pass
Accra Central	100.00%	100.00%	100.00%	100.00%	Pass
Accra New Town	99.00%	100.00%	100.00%	100.00%	Pass
Ada Foah	100.00%	100.00%	100.00%	100.00%	Pass
Adenta	83.72%	72.73%	87.04%	93.55%	Pass
Amasaman	91.89%	86.00%	80.65%	95.08%	Pass
Ashaiman	100.00%	100.00%	100.00%	100.00%	Pass
Dodowa	100.00%	100.00%	86.00%	76.92%	Pass
Dzorwulu	100.00%	100.00%	100.00	100.00	Pass
Kpone	100.00%	100.00%	100.00%	96.30%	Pass
Madina	100.00%	100.00%	100.00%	100.00%	Pass
Nungua	100.00%	100.00%	100.00%	91.67%	Pass
Ofankor	97.62%	100.00%	100.00%	100.00%	Pass
Sege	100.00%	100.00%	100.00%	100.00%	Pass
Sowutuom	97.98%	100.00%	100.00%	100.00%	Pass
Tesano	100.00%	100.00%	100.00%	100.00%	Pass
Teshie	98.51%	100.00%	100.00%	100.00%	Pass

Ashanti Region

District Capital	Average Data Throughput \geq 256kbps ($> 90\%$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	99.08%	100.00%	100.00%	100.00%	Pass
Asiwa	100.00%	100.00%	98.65%	100.00%	Pass
Asokore Mampong	100.00%	100.00%	97.78%	99.01%	Pass
Bekwai	100.00%	100.00%	100.00%	100.00%	Pass
Effiduase	100.00%	100.00%	100.00%	100.00%	Pass
Ejisu	100.00%	100.00%	97.37%	98.86%	Pass
Foase	100.00%	100.00%	100.00%	100.00%	Pass
Fomena	100.00%	100.00%	100.00%	100.00%	Pass
Juaben	100.00%	100.00%	100.00%	100.00%	Pass
Kodie	100.00%	100.00%	100.00%	100.00%	Pass

Kumasi	97.75%	100.00%	100.00%	100.00%	Pass
Kuntanase	100.00%	100.00%	100.00%	100.00%	Pass
Mamponteng	100.00%	100.00%	100.00%	100.00%	Pass
New Edubiase	100.00%	100.00%	100.00%	100.00%	Pass
Nkawie	98.46%	100.00%	100.00%	98.28%	Pass
Nsuta	100.00%	99.315	100.00%	100.00%	Pass
Offinso	100.00%	97.78%	100.00%	100.00%	Pass
Oforikrom	96.74%	100.00%	100.00%	100.00%	Pass

Eastern Region

District Capital	Average Data Throughput \geq 256kbps ($>$ 90%)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	100.00%	100.00%	100.00%	100.00%	Pass
Adeiso	100.00%	100.00%	100.00%	100.00%	Pass
Atiwa West	100.00%	100.00%	100.00%	100.00%	Pass
Coaltar	100.00%	100.00%	100.00%	100.00%	Pass
Koforidua	100.00%	100.00%	100.00%	No Data	Pass
Kyebi	100.00%	100.00%	100.00%	98.00%	Pass
Mpraeso	100.00%	100.00%	100.00%	100.00%	Pass
Nsawam	100.00%	96.00%	100.00%	100.00%	Pass
Suhum	100.00%	90.28%	92.86%	90.00%	Pass

Northern

District Capital	Average Data Throughput \geq 256kbps ($>$ 90%)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushiegu	94%	100%	100%	100%	Pass
Karaga	100%	100%	100%	100%	Pass
Kumbungu	100%	100%	100%	100%	Pass
Tolon	100%	100%	100%	100%	Pass
Yendi	100%	100%	100%	100%	Pass

Northern East

District Capital	Average Data Throughput \geq 256kbps ($>$ 90%)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	100%	100%	100%	100%	Pass
Walewale	100%	100%	100%	100%	Pass

Savannah

District Capital	Average Data Throughput \geq 256kbps ($>$ 90%)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	

Bole	100%	97.87%	100%	100%	Pass
Sawla	100%	100%	100%	100%	Pass
Salaga	91%	100%	100%	100%	Pass

3G COVERAGE TEST

Greater Accra

District Capital	Average RSCP ($\geq -105\text{dBm}$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abokobi	-81.70	-82.58	-81.50	-80.52	Pass
Accra Central	-71.58	-72.14	-71.15	-70.05	Pass
Accra New Town	-74.07	-71.94	-74.88	-73.16	Pass
Ada Foah	-82.33	-83.24	-82.92	-80.98	Pass
Adenta	-72.97	-73.51	-74.39	-73.44	Pass
Amasaman	-78.78	-79.39	-78.01	-79.55	Pass
Ashaiman	-74.31	-73.42	-74.69	-75.50	Pass
Dodowa	-94.03	-92.28	-94.90	-95.83	Pass
Dzorwulu	-76.81	-75.91	-74.75	-74.53	Pass
Kpone	-79.82	-79.66	-79.81	-80.52	Pass
Madina	-73.24	-70.09	-70.84	-71.22	Pass
Nungua	-77.63	-77.56	-76.96	-77.86	Pass
Ofankor	-74.69	-74.40	-74.85	-75.33	Pass
Sege	-91.38	-92.55	-90.97	-89.00	Pass
Sowutuom	-74.39	-72.94	-73.72	-73.42	Pass
Tesano	-75.12	-74.07	-74.94	-73.69	Pass
Teshie	-75.84	-72.77	-74.90	-75.16	Pass

Ashanti Region

District Capital	Average RSCP ($\geq -105\text{dBm}$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Agona	-87.50	-86.24	-83.35	-83.90	Pass
Asiwa	-78.20	-78.59	-79.05	-78.73	Pass
Asokore Mampong	-77.67	-77.66	-77.53	-75.41	Pass
Bekwai	-84.63	-86.02	-84.73	-85.14	Pass
Effiduase	-78.16	-82.13	-82.25	-82.67	Pass
Ejisu	-84.52	-83.14	-84.13	-81.83	Pass
Foase	-78.62	-79.55	-79.88	-80.17	Pass

Fomena	-81.89	-78.51	-81.01	-79.10	Pass
Juaben	-77.05	-76.59	-76.55	-75.86	Pass
Kodie	-80.76	-79.86	-78.61	-78.80	Pass
Kumasi	-73.97	-73.75	-72.94	-73.63	Pass
Kuntanase	No Data	-76.81	-77.20	-76.08	Pass
Mampong	-87.90	-89.20	-90.28	-88.95	Pass
New Edubiase	-84.93	-83.77	-81.71	-81.75	Pass
Nkawie	-82.70	-82.74	-83.68	-82.60	Pass
Nsuta	-83.02	-85.13	-85.65	-84.17	Pass
Offinso	-84.79	-85.02	-83.84	-84.18	Pass
Oforikrom	-72.47	-71.89	-72.26	-71.80	Pass

Eastern Region

District Capital	Average RSCP ($\geq -105\text{dBm}$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Abetifi	-82.40	-81.61	-81.65	No Data	Pass
Adeiso	-87.59	-92.88	No Data	No Data	Pass
Atiwa West	-82.45	-81.11	-80.05	-79.63	Pass
Coaltar	-77.74	No Data	-78.03	-75.50	Pass
Koforidua	-79.78	-81.17	-86.45	-80.96	Pass
Kyebi	-87.38	-89.36	-87.52	-87.24	Pass
Mpraeso	-84.12	No Data	-84.55	-88.53	Pass
Nsawam	-85.43	-81.23	-84.12	-83.66	Pass
Suhum	-86.33	-87.02	-86.11	-88.18	Pass

Northern

District Capital	Average RSCP ($\geq -105\text{dBm}$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gushegu	-87.24	-86.61	-85.96	-88.03	Pass
Karaga	-92.71	-90.72	-89.16	-92.31	Pass
Kumbungu	-78.53	-76.61	-76.99	-74.46	Pass
Tolon	-91.79	-91.36	-91.73	-88.29	Pass
Yendi	-84.24	-84.42	-84.42	-86.02	Pass

North East

District Capital	Average RSCP ($\geq -105\text{dBm}$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Gambaga	-83.90	-81.63	-82.83	-82.46	Pass
Walewale	-83.55	-82.53	-82.71	-81.59	Pass

Savannah

District Capital	Average RSCP ($\geq -105\text{dBm}$)				Compliance Status
	Day 1	Day 2	Day 3	Day 4	
Bole	-87.84	-87.76	-86.65	-86.26	Pass
Salaga	-98.92	-84.53	-84.37	-91.46	Pass
Sawla	-84.08	-82.77	-83.15	-83.59	Pass