WEBPAGE LOADING TIME IN TECHNOLOGY AUTO DETECT MODE IN CITIES									
City	Webpa	age Loading	Time [secon	Compliant (Yes/No)					
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG	
SUKKUR	3.99	5.37	4.82	5.80	Yes	No	Yes	No	
BAHAWALPUR	5.28	6.94	6.99	6.54	No	No	No	No	
CHARSADDA	7.85	8.02	8.31	7.90	No	No	No	No	
GWADAR	8.62	6.91	7.30	7.37	No	No	No	No	
QUETTA	4.29	7.15	6.26	6.31	Yes	No	No	No	
ISLAMABAD	5.11	6.73	6.29	5.07	No	No	No	No	
KOT RADHA KISHAN	4.86	7.69	5.23	4.20	Yes	No	No	Yes	
SHEIKHUPURA	5.28	6.13	5.62	4.45	No	No	No	Yes	
HANGU	7.48	8.15	8.48	8.26	No	No	No	No	
KUCHLAK	4.49	6.52	6.41	6.31	Yes	No	No	No	
ABBOTTABAD	6.70	7.83	7.69	8.27	No	No	No	No	
LOWER DIR	7.04	8.36	6.98	6.69	No	No	No	No	
MANSEHRA	6.28	8.67	7.04	6.44	No	No	No	No	
MATIARI	4.48	8.64	6.68	5.37	Yes	No	No	No	
MACH	4.20	6.65	6.22	5.75	Yes	No	No	No	
PASROOR	5.97	8.57	6.37	4.35	No	No	No	Yes	
PISHIN	4.51	6.54	7.47	6.58	Yes	No	No	No	
SARGODHA	5.22	7.09	6.79	6.30	No	No	No	No	
UMERKOT	4.04	6.50	6.45	5.29	Yes	No	No	No	

Table 4.10: Webpage Loading Time < 5 Seconds

4.5. LATENCY. As per Cellular Mobile Network Quality of Service (QoS) Regulations 2021, licensees are required to meet threshold of 75 milliseconds of 4G/LTE Technology & 150 milliseconds of 3G Technology of Latency. The results of QoS KPI Latency is shown in (i). Table 4.11: Latency in Technology Auto Detect Mode < 75 milliseconds, (ii). Table 4.12: Latency in 4G/LTE Technology Locked Mode < 75 milliseconds & (iii) Table 4.13: Latency in 3G Technology Locked Mode < 150 milliseconds.

LATENCY IN TECHNOLOGY AUTO DETECT MODE									
City	Latency [milliseconds]				Compliant (Yes/No)				
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG	
SUKKUR	46	39	33	57	Yes	Yes	Yes	Yes	
BAHAWALPUR	82	69	79	55	No	Yes	No	Yes	
CHARSADDA	410	213	286	144	No	No	No	No	
GWADAR	208	80	53	98	No	No	Yes	No	
QUETTA	58	89	51	67	Yes	No	Yes	Yes	
ISLAMABAD	73	71	65	94	Yes	Yes	Yes	No	
KOT RADHA KISHAN	89	55	58	43	No	Yes	Yes	Yes	
SHEIKHUPURA	77	52	163	49	No	Yes	No	Yes	
HANGU	422	324	338	154	No	No	No	No	
KUCHLAK	58	85	55	61	Yes	No	Yes	Yes	
ABBOTTABAD	82	55	83	115	No	Yes	No	No	
LOWER DIR	114	71	76	80	No	Yes	No	No	
MANSEHRA	71	69	68	63	Yes	Yes	Yes	Yes	
MATIARI	50	39	63	33	Yes	Yes	Yes	Yes	
MACH	74	57	61	43	Yes	Yes	Yes	Yes	
PASROOR	125	59	112	57	No	Yes	No	Yes	
PISHIN	46	70	67	72	Yes	Yes	Yes	Yes	
SARGODHA	59	66	74	57	Yes	Yes	Yes	Yes	
UMERKOT	43	71	33	36	Yes	Yes	Yes	Yes	

Table 4.11: Latency in Technology Auto Detect Mode < 75 milliseconds

LATENCY IN 4G/LTE TECHNOLOGY LOCKED MODE									
City	Latency [milliseconds]				Compliant (Yes/No)				
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG	
SUKKUR	41	41	32	53	Yes	Yes	Yes	Yes	
BAHAWALPUR	81	65	81	64	No	Yes	No	Yes	
CHARSADDA	92	68	50	87	No	Yes	Yes	No	
GWADAR	232	68	65	86	No	Yes	Yes	No	
QUETTA	61	78	42	91	Yes	No	Yes	No	
ISLAMABAD	65	73	61	110	Yes	Yes	Yes	No	
KOT RADHA KISHAN	83	50	61	55	No	Yes	Yes	Yes	
SHEIKHUPURA	93	56	72	58	No	Yes	Yes	Yes	
HANGU	80	99	88	86	No	No	No	No	
KUCHLAK	46	60	57	59	Yes	Yes	Yes	Yes	
ABBOTTABAD	84	54	68	69	No	Yes	Yes	Yes	
LOWER DIR	119	83	75	108	No	No	Yes	No	
MANSEHRA	80	74	68	78	No	Yes	Yes	No	
MATIARI	50	38	47	44	Yes	Yes	Yes	Yes	
MACH	74	71	65	51	Yes	Yes	Yes	Yes	
PASROOR	164	60	114	53	No	Yes	No	Yes	
PISHIN	46	64	61	56	Yes	Yes	Yes	Yes	
SARGODHA	69	84	80	57	Yes	No	No	Yes	
UMERKOT	43	68	30	34	Yes	Yes	Yes	Yes	

Table 4.12: Latency in 4G/LTE Technology Locked Mode < 75 milliseconds

LATENCY IN 3G TECHNOLOGY LOCKED MODE								
City	Latency [milliseconds]				Compliant (Yes/No)			
	Jazz	Telenor	Ufone	ZonG	Jazz	Telenor	Ufone	ZonG
SUKKUR	164	915	420	165	No	No	No	No
BAHAWALPUR	846	1067	479	107	No	No	No	Yes
CHARSADDA	533	203	462	135	No	No	No	Yes
GWADAR	833	750	515	312	No	No	No	No
QUETTA	164	914	492	117	No	No	No	Yes
ISLAMABAD	488	347	455	170	No	No	No	No
KOT RADHA KISHAN	504	445	478	63	No	No	No	Yes
SHEIKHUPURA	529	591	517	77	No	No	No	Yes
HANGU	537	424	501	130	No	No	No	Yes
KUCHLAK	131	875	499	107	Yes	No	No	Yes
ABBOTTABAD	558	248	538	132	No	No	No	Yes
LOWER DIR	564	368	419	135	No	No	No	Yes
MANSEHRA	563	216	464	147	No	No	No	Yes
MATIARI	208	823	520	76	No	No	No	Yes
MACH	N/A	777	490	75	N/A	No	No	Yes
PASROOR	581	407	518	60	No	No	No	Yes
PISHIN	103	1006	105	100	Yes	No	Yes	Yes
SARGODHA	424	969	487	74	No	No	No	Yes
UMERKOT	N/A	729	506	61	N/A	No	No	Yes

Table 4.13: Latency in 3G Technology Locked Mode < 150 milliseconds

4.6. The overall Download/Upload speed, Latency, Web Page Loading Time and Resource Block Utilization were measured in different tests. The detailed results can be seen in attached graphs.