

Spot check for RF output power

Band 2, Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
1.4MHz_Low_QPSK_1@0	22.34	20.48	0.112	2	Pass
1.4MHz_Low_QPSK_1@3	22.5	20.64	0.116	2	Pass
1.4MHz_Low_QPSK_1@5	22.34	20.48	0.112	2	Pass
1.4MHz_Low_QPSK_3@0	22.27	20.41	0.11	2	Pass
1.4MHz_Low_QPSK_3@1	22.32	20.46	0.111	2	Pass
1.4MHz_Low_QPSK_3@3	22.32	20.46	0.111	2	Pass
1.4MHz_Low_QPSK_6@0	21.27	19.41	0.087	2	Pass
1.4MHz_Low_16QAM_1@0	21.5	19.64	0.092	2	Pass
1.4MHz_Low_16QAM_1@3	21.63	19.77	0.095	2	Pass
1.4MHz_Low_16QAM_1@5	21.49	19.63	0.092	2	Pass
1.4MHz_Low_16QAM_3@0	21.44	19.58	0.091	2	Pass
1.4MHz_Low_16QAM_3@1	21.51	19.65	0.092	2	Pass
1.4MHz_Low_16QAM_3@3	21.5	19.64	0.092	2	Pass
1.4MHz_Low_16QAM_6@0	20.15	18.29	0.067	2	Pass
1.4MHz_Middle_QPSK_1@0	22.32	20.46	0.111	2	Pass
1.4MHz_Middle_QPSK_1@3	22.49	20.63	0.116	2	Pass
1.4MHz_Middle_QPSK_1@5	22.31	20.45	0.111	2	Pass
1.4MHz_Middle_QPSK_3@0	22.42	20.56	0.114	2	Pass
1.4MHz_Middle_QPSK_3@1	22.46	20.6	0.115	2	Pass
1.4MHz_Middle_QPSK_3@3	22.43	20.57	0.114	2	Pass
1.4MHz_Middle_QPSK_6@0	21.51	19.65	0.092	2	Pass
1.4MHz_Middle_16QAM_1@0	21.15	19.29	0.085	2	Pass
1.4MHz_Middle_16QAM_1@3	21.3	19.44	0.088	2	Pass
1.4MHz_Middle_16QAM_1@5	21.18	19.32	0.086	2	Pass
1.4MHz_Middle_16QAM_3@0	21.51	19.65	0.092	2	Pass
1.4MHz_Middle_16QAM_3@1	21.62	19.76	0.095	2	Pass
1.4MHz_Middle_16QAM_3@3	21.54	19.68	0.093	2	Pass
1.4MHz_Middle_16QAM_6@0	20.64	18.78	0.076	2	Pass
1.4MHz_High_QPSK_1@0	22	20.14	0.103	2	Pass
1.4MHz_High_QPSK_1@3	22.09	20.23	0.105	2	Pass
1.4MHz_High_QPSK_1@5	21.96	20.1	0.102	2	Pass
1.4MHz_High_QPSK_3@0	22.12	20.26	0.106	2	Pass
1.4MHz_High_QPSK_3@1	22.19	20.33	0.108	2	Pass
1.4MHz_High_QPSK_3@3	22.1	20.24	0.106	2	Pass
1.4MHz_High_QPSK_6@0	21.1	19.24	0.084	2	Pass
1.4MHz_High_16QAM_1@0	20.85	18.99	0.079	2	Pass
1.4MHz_High_16QAM_1@3	21.01	19.15	0.082	2	Pass
1.4MHz_High_16QAM_1@5	20.87	19.01	0.08	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
1.4MHz_High_16QAM_3@0	21.19	19.33	0.086	2	Pass
1.4MHz_High_16QAM_3@1	21.23	19.37	0.086	2	Pass
1.4MHz_High_16QAM_3@3	21.23	19.37	0.086	2	Pass
1.4MHz_High_16QAM_6@0	20.26	18.4	0.069	2	Pass
20MHz_Low_QPSK_1@0	21.98	20.12	0.103	2	Pass
20MHz_Low_QPSK_1@49	22.47	20.61	0.115	2	Pass
20MHz_Low_QPSK_1@99	22.12	20.26	0.106	2	Pass
20MHz_Low_QPSK_50@0	21.34	19.48	0.089	2	Pass
20MHz_Low_QPSK_50@24	21.42	19.56	0.09	2	Pass
20MHz_Low_QPSK_50@50	21.46	19.6	0.091	2	Pass
20MHz_Low_QPSK_100@0	21.4	19.54	0.09	2	Pass
20MHz_Low_16QAM_1@0	21.24	19.38	0.087	2	Pass
20MHz_Low_16QAM_1@49	21.66	19.8	0.095	2	Pass
20MHz_Low_16QAM_1@99	21.43	19.57	0.091	2	Pass
20MHz_Low_16QAM_50@0	20.31	18.45	0.07	2	Pass
20MHz_Low_16QAM_50@24	20.4	18.54	0.071	2	Pass
20MHz_Low_16QAM_50@50	20.42	18.56	0.072	2	Pass
20MHz_Low_16QAM_100@0	20.42	18.56	0.072	2	Pass
20MHz_Middle_QPSK_1@0	22.29	20.43	0.11	2	Pass
20MHz_Middle_QPSK_1@49	22.61	20.75	0.119	2	Pass
20MHz_Middle_QPSK_1@99	22.12	20.26	0.106	2	Pass
20MHz_Middle_QPSK_50@0	21.53	19.67	0.093	2	Pass
20MHz_Middle_QPSK_50@24	21.51	19.65	0.092	2	Pass
20MHz_Middle_QPSK_50@50	21.47	19.61	0.091	2	Pass
20MHz_Middle_QPSK_100@0	21.53	19.67	0.093	2	Pass
20MHz_Middle_16QAM_1@0	21.87	20.01	0.1	2	Pass
20MHz_Middle_16QAM_1@49	22.15	20.29	0.107	2	Pass
20MHz_Middle_16QAM_1@99	21.73	19.87	0.097	2	Pass
20MHz_Middle_16QAM_50@0	20.57	18.71	0.074	2	Pass
20MHz_Middle_16QAM_50@24	20.54	18.68	0.074	2	Pass
20MHz_Middle_16QAM_50@50	20.48	18.62	0.073	2	Pass
20MHz_Middle_16QAM_100@0	20.52	18.66	0.073	2	Pass
20MHz_High_QPSK_1@0	22.07	20.21	0.105	2	Pass
20MHz_High_QPSK_1@49	22.26	20.4	0.11	2	Pass
20MHz_High_QPSK_1@99	21.73	19.87	0.097	2	Pass
20MHz_High_QPSK_50@0	21.38	19.52	0.09	2	Pass
20MHz_High_QPSK_50@24	21.25	19.39	0.087	2	Pass
20MHz_High_QPSK_50@50	21.16	19.3	0.085	2	Pass
20MHz_High_QPSK_100@0	21.28	19.42	0.087	2	Pass
20MHz_High_16QAM_1@0	21.41	19.55	0.09	2	Pass
20MHz_High_16QAM_1@49	21.6	19.74	0.094	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
20MHz_High_16QAM_1@99	21.06	19.2	0.083	2	Pass
20MHz_High_16QAM_50@0	20.42	18.56	0.072	2	Pass
20MHz_High_16QAM_50@24	20.32	18.46	0.07	2	Pass
20MHz_High_16QAM_50@50	20.17	18.31	0.068	2	Pass
20MHz_High_16QAM_100@0	20.3	18.44	0.07	2	Pass

Note:

$EIRP = \text{Conducted Power(dBm)} - LC(dB) + GT(dBd)$

B2:

1.Ant Gain = -1.86dBi;

2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

Band 4, Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
1.4MHz_Low_QPSK_1@0	21.74	22.02	0.159	1	Pass
1.4MHz_Low_QPSK_1@3	21.86	22.14	0.164	1	Pass
1.4MHz_Low_QPSK_1@5	21.71	21.99	0.158	1	Pass
1.4MHz_Low_QPSK_3@0	21.71	21.99	0.158	1	Pass
1.4MHz_Low_QPSK_3@1	21.72	22	0.158	1	Pass
1.4MHz_Low_QPSK_3@3	21.7	21.98	0.158	1	Pass
1.4MHz_Low_QPSK_6@0	20.65	20.93	0.124	1	Pass
1.4MHz_Low_16QAM_1@0	20.93	21.21	0.132	1	Pass
1.4MHz_Low_16QAM_1@3	21.06	21.34	0.136	1	Pass
1.4MHz_Low_16QAM_1@5	20.9	21.18	0.131	1	Pass
1.4MHz_Low_16QAM_3@0	20.94	21.22	0.132	1	Pass
1.4MHz_Low_16QAM_3@1	20.96	21.24	0.133	1	Pass
1.4MHz_Low_16QAM_3@3	20.97	21.25	0.133	1	Pass
1.4MHz_Low_16QAM_6@0	19.57	19.85	0.097	1	Pass
1.4MHz_Middle_QPSK_1@0	21.74	22.02	0.159	1	Pass
1.4MHz_Middle_QPSK_1@3	21.92	22.2	0.166	1	Pass
1.4MHz_Middle_QPSK_1@5	21.78	22.06	0.161	1	Pass
1.4MHz_Middle_QPSK_3@0	21.87	22.15	0.164	1	Pass
1.4MHz_Middle_QPSK_3@1	21.92	22.2	0.166	1	Pass
1.4MHz_Middle_QPSK_3@3	21.91	22.19	0.166	1	Pass
1.4MHz_Middle_QPSK_6@0	20.98	21.26	0.134	1	Pass
1.4MHz_Middle_16QAM_1@0	20.59	20.87	0.122	1	Pass
1.4MHz_Middle_16QAM_1@3	20.69	20.97	0.125	1	Pass
1.4MHz_Middle_16QAM_1@5	20.63	20.91	0.123	1	Pass
1.4MHz_Middle_16QAM_3@0	20.98	21.26	0.134	1	Pass
1.4MHz_Middle_16QAM_3@1	21.05	21.33	0.136	1	Pass
1.4MHz_Middle_16QAM_3@3	21.02	21.3	0.135	1	Pass
1.4MHz_Middle_16QAM_6@0	20.11	20.39	0.109	1	Pass
1.4MHz_High_QPSK_1@0	22.14	22.42	0.175	1	Pass
1.4MHz_High_QPSK_1@3	22.31	22.59	0.182	1	Pass
1.4MHz_High_QPSK_1@5	22.17	22.45	0.176	1	Pass
1.4MHz_High_QPSK_3@0	22.26	22.54	0.179	1	Pass
1.4MHz_High_QPSK_3@1	22.29	22.57	0.181	1	Pass
1.4MHz_High_QPSK_3@3	22.25	22.53	0.179	1	Pass
1.4MHz_High_QPSK_6@0	21.28	21.56	0.143	1	Pass
1.4MHz_High_16QAM_1@0	20.98	21.26	0.134	1	Pass
1.4MHz_High_16QAM_1@3	21.13	21.41	0.138	1	Pass
1.4MHz_High_16QAM_1@5	20.96	21.24	0.133	1	Pass
1.4MHz_High_16QAM_3@0	21.32	21.6	0.145	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
1.4MHz_High_16QAM_3@1	21.37	21.65	0.146	1	Pass
1.4MHz_High_16QAM_3@3	21.35	21.63	0.146	1	Pass
1.4MHz_High_16QAM_6@0	20.44	20.72	0.118	1	Pass
15MHz_High_16QAM_75@0	20.28	20.56	0.114	1	Pass
20MHz_Low_QPSK_1@0	21.34	21.62	0.145	1	Pass
20MHz_Low_QPSK_1@49	21.68	21.96	0.157	1	Pass
20MHz_Low_QPSK_1@99	21.48	21.76	0.15	1	Pass
20MHz_Low_QPSK_50@0	20.72	21	0.126	1	Pass
20MHz_Low_QPSK_50@24	20.8	21.08	0.128	1	Pass
20MHz_Low_QPSK_50@50	20.89	21.17	0.131	1	Pass
20MHz_Low_QPSK_100@0	20.78	21.06	0.128	1	Pass
20MHz_Low_16QAM_1@0	20.72	21	0.126	1	Pass
20MHz_Low_16QAM_1@49	21.03	21.31	0.135	1	Pass
20MHz_Low_16QAM_1@99	20.83	21.11	0.129	1	Pass
20MHz_Low_16QAM_50@0	19.7	19.98	0.1	1	Pass
20MHz_Low_16QAM_50@24	19.8	20.08	0.102	1	Pass
20MHz_Low_16QAM_50@50	19.8	20.08	0.102	1	Pass
20MHz_Low_16QAM_100@0	19.79	20.07	0.102	1	Pass
20MHz_Middle_QPSK_1@0	21.57	21.85	0.153	1	Pass
20MHz_Middle_QPSK_1@49	21.98	22.26	0.168	1	Pass
20MHz_Middle_QPSK_1@99	21.77	22.05	0.16	1	Pass
20MHz_Middle_QPSK_50@0	20.86	21.14	0.13	1	Pass
20MHz_Middle_QPSK_50@24	20.94	21.22	0.132	1	Pass
20MHz_Middle_QPSK_50@50	20.97	21.25	0.133	1	Pass
20MHz_Middle_QPSK_100@0	20.93	21.21	0.132	1	Pass
20MHz_Middle_16QAM_1@0	21.27	21.55	0.143	1	Pass
20MHz_Middle_16QAM_1@49	21.57	21.85	0.153	1	Pass
20MHz_Middle_16QAM_1@99	21.36	21.64	0.146	1	Pass
20MHz_Middle_16QAM_50@0	19.92	20.2	0.105	1	Pass
20MHz_Middle_16QAM_50@24	19.94	20.22	0.105	1	Pass
20MHz_Middle_16QAM_50@50	20.02	20.3	0.107	1	Pass
20MHz_Middle_16QAM_100@0	19.96	20.24	0.106	1	Pass
20MHz_High_QPSK_1@0	21.62	21.9	0.155	1	Pass
20MHz_High_QPSK_1@49	22.08	22.36	0.172	1	Pass
20MHz_High_QPSK_1@99	21.85	22.13	0.163	1	Pass
20MHz_High_QPSK_50@0	21.11	21.39	0.138	1	Pass
20MHz_High_QPSK_50@24	21.16	21.44	0.139	1	Pass
20MHz_High_QPSK_50@50	21.2	21.48	0.141	1	Pass
20MHz_High_QPSK_100@0	21.13	21.41	0.138	1	Pass
20MHz_High_16QAM_1@0	21.02	21.3	0.135	1	Pass
20MHz_High_16QAM_1@49	21.44	21.72	0.149	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
20MHz_High_16QAM_1@99	21.19	21.47	0.14	1	Pass
20MHz_High_16QAM_50@0	20.13	20.41	0.11	1	Pass
20MHz_High_16QAM_50@24	20.19	20.47	0.111	1	Pass
20MHz_High_16QAM_50@50	20.23	20.51	0.112	1	Pass
20MHz_High_16QAM_100@0	20.16	20.44	0.111	1	Pass

Note:

$EIRP = \text{Conducted Power(dBm)} - LC(dB) + GT(dBd)$

B4:

1.Ant Gain = 0.28dBi;

2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

Band 5, Normal

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
1.4MHz_Low_QPSK_1@0	22.44	21.73	0.149	7	Pass
1.4MHz_Low_QPSK_1@3	22.62	21.91	0.155	7	Pass
1.4MHz_Low_QPSK_1@5	22.48	21.77	0.150	7	Pass
1.4MHz_Low_QPSK_3@0	22.66	21.95	0.157	7	Pass
1.4MHz_Low_QPSK_3@1	22.69	21.98	0.158	7	Pass
1.4MHz_Low_QPSK_3@3	22.68	21.97	0.157	7	Pass
1.4MHz_Low_QPSK_6@0	21.72	21.01	0.126	7	Pass
1.4MHz_Low_16QAM_1@0	21.33	20.62	0.115	7	Pass
1.4MHz_Low_16QAM_1@3	21.50	20.79	0.120	7	Pass
1.4MHz_Low_16QAM_1@5	21.32	20.61	0.115	7	Pass
1.4MHz_Low_16QAM_3@0	21.77	21.06	0.128	7	Pass
1.4MHz_Low_16QAM_3@1	21.81	21.10	0.129	7	Pass
1.4MHz_Low_16QAM_3@3	21.74	21.03	0.127	7	Pass
1.4MHz_Low_16QAM_6@0	20.90	20.19	0.104	7	Pass
1.4MHz_Middle_QPSK_1@0	22.53	21.82	0.152	7	Pass
1.4MHz_Middle_QPSK_1@3	22.73	22.02	0.159	7	Pass
1.4MHz_Middle_QPSK_1@5	22.53	21.82	0.152	7	Pass
1.4MHz_Middle_QPSK_3@0	22.72	22.01	0.159	7	Pass
1.4MHz_Middle_QPSK_3@1	22.77	22.06	0.161	7	Pass
1.4MHz_Middle_QPSK_3@3	22.72	22.01	0.159	7	Pass
1.4MHz_Middle_QPSK_6@0	21.67	20.96	0.125	7	Pass
1.4MHz_Middle_16QAM_1@0	21.45	20.74	0.119	7	Pass
1.4MHz_Middle_16QAM_1@3	21.61	20.90	0.123	7	Pass
1.4MHz_Middle_16QAM_1@5	21.43	20.72	0.118	7	Pass
1.4MHz_Middle_16QAM_3@0	21.86	21.15	0.130	7	Pass
1.4MHz_Middle_16QAM_3@1	21.90	21.19	0.132	7	Pass
1.4MHz_Middle_16QAM_3@3	21.84	21.13	0.130	7	Pass
1.4MHz_Middle_16QAM_6@0	20.88	20.17	0.104	7	Pass
1.4MHz_High_QPSK_1@0	22.75	22.04	0.160	7	Pass
1.4MHz_High_QPSK_1@3	22.89	22.18	0.165	7	Pass
1.4MHz_High_QPSK_1@5	22.74	22.03	0.160	7	Pass
1.4MHz_High_QPSK_3@0	22.70	21.99	0.158	7	Pass
1.4MHz_High_QPSK_3@1	22.75	22.04	0.160	7	Pass
1.4MHz_High_QPSK_3@3	22.70	21.99	0.158	7	Pass
1.4MHz_High_QPSK_6@0	21.64	20.93	0.124	7	Pass
1.4MHz_High_16QAM_1@0	21.93	21.22	0.132	7	Pass
1.4MHz_High_16QAM_1@3	22.14	21.43	0.139	7	Pass
1.4MHz_High_16QAM_1@5	21.96	21.25	0.133	7	Pass
1.4MHz_High_16QAM_3@0	22.01	21.30	0.135	7	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
1.4MHz_High_16QAM_3@1	22.02	21.31	0.135	7	Pass
1.4MHz_High_16QAM_3@3	22.02	21.31	0.135	7	Pass
1.4MHz_High_16QAM_6@0	20.55	19.84	0.096	7	Pass
10MHz_Low_QPSK_1@0	22.53	21.82	0.152	7	Pass
10MHz_Low_QPSK_1@25	22.64	21.93	0.156	7	Pass
10MHz_Low_QPSK_1@49	22.52	21.81	0.152	7	Pass
10MHz_Low_QPSK_25@0	21.70	20.99	0.126	7	Pass
10MHz_Low_QPSK_25@12	21.74	21.03	0.127	7	Pass
10MHz_Low_QPSK_25@25	21.71	21.00	0.126	7	Pass
10MHz_Low_QPSK_50@0	21.71	21.00	0.126	7	Pass
10MHz_Low_16QAM_1@0	21.35	20.64	0.116	7	Pass
10MHz_Low_16QAM_1@25	21.55	20.84	0.121	7	Pass
10MHz_Low_16QAM_1@49	21.40	20.69	0.117	7	Pass
10MHz_Low_16QAM_25@0	20.85	20.14	0.103	7	Pass
10MHz_Low_16QAM_25@12	20.82	20.11	0.103	7	Pass
10MHz_Low_16QAM_25@25	20.84	20.13	0.103	7	Pass
10MHz_Low_16QAM_50@0	20.78	20.07	0.102	7	Pass
10MHz_Middle_QPSK_1@0	22.65	21.94	0.156	7	Pass
10MHz_Middle_QPSK_1@25	22.80	22.09	0.162	7	Pass
10MHz_Middle_QPSK_1@49	22.61	21.90	0.155	7	Pass
10MHz_Middle_QPSK_25@0	21.72	21.01	0.126	7	Pass
10MHz_Middle_QPSK_25@12	21.70	20.99	0.126	7	Pass
10MHz_Middle_QPSK_25@25	21.72	21.01	0.126	7	Pass
10MHz_Middle_QPSK_50@0	21.69	20.98	0.125	7	Pass
10MHz_Middle_16QAM_1@0	21.68	20.97	0.125	7	Pass
10MHz_Middle_16QAM_1@25	21.77	21.06	0.128	7	Pass
10MHz_Middle_16QAM_1@49	21.55	20.84	0.121	7	Pass
10MHz_Middle_16QAM_25@0	20.81	20.10	0.102	7	Pass
10MHz_Middle_16QAM_25@12	20.77	20.06	0.101	7	Pass
10MHz_Middle_16QAM_25@25	20.80	20.09	0.102	7	Pass
10MHz_Middle_16QAM_50@0	20.74	20.03	0.101	7	Pass
10MHz_High_QPSK_1@0	22.85	22.14	0.164	7	Pass
10MHz_High_QPSK_1@25	22.96	22.25	0.168	7	Pass
10MHz_High_QPSK_1@49	22.83	22.12	0.163	7	Pass
10MHz_High_QPSK_25@0	21.77	21.06	0.128	7	Pass
10MHz_High_QPSK_25@12	21.73	21.02	0.126	7	Pass
10MHz_High_QPSK_25@25	21.67	20.96	0.125	7	Pass
10MHz_High_QPSK_50@0	21.71	21.00	0.126	7	Pass
10MHz_High_16QAM_1@0	22.01	21.30	0.135	7	Pass
10MHz_High_16QAM_1@25	22.10	21.39	0.138	7	Pass
10MHz_High_16QAM_1@49	22.02	21.31	0.135	7	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
10MHz_High_16QAM_25@0	20.81	20.10	0.102	7	Pass
10MHz_High_16QAM_25@12	20.81	20.10	0.102	7	Pass
10MHz_High_16QAM_25@25	20.73	20.02	0.100	7	Pass
10MHz_High_16QAM_50@0	20.73	20.02	0.100	7	Pass

Note:

$ERP = \text{Conducted Power(dBm)} - LC(\text{dB}) + GT(\text{dBd})$

$GT(\text{dBd}) = GT(\text{dBi}) - 2.15$

B5:

1.Ant Gain = 1.44dBi;

2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

Band 7, Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
5MHz_Low_QPSK_1@0	21.66	21.25	0.133	2	Pass
5MHz_Low_QPSK_1@12	21.88	21.47	0.140	2	Pass
5MHz_Low_QPSK_1@24	21.66	21.25	0.133	2	Pass
5MHz_Low_QPSK_12@0	20.71	20.30	0.107	2	Pass
5MHz_Low_QPSK_12@7	20.78	20.37	0.109	2	Pass
5MHz_Low_QPSK_12@13	20.72	20.31	0.107	2	Pass
5MHz_Low_QPSK_25@0	20.76	20.35	0.108	2	Pass
5MHz_Low_16QAM_1@0	20.73	20.32	0.108	2	Pass
5MHz_Low_16QAM_1@12	20.94	20.53	0.113	2	Pass
5MHz_Low_16QAM_1@24	20.67	20.26	0.106	2	Pass
5MHz_Low_16QAM_12@0	19.81	19.40	0.087	2	Pass
5MHz_Low_16QAM_12@7	19.88	19.47	0.089	2	Pass
5MHz_Low_16QAM_12@13	19.78	19.37	0.086	2	Pass
5MHz_Low_16QAM_25@0	19.83	19.42	0.087	2	Pass
5MHz_Middle_QPSK_1@0	21.65	21.24	0.133	2	Pass
5MHz_Middle_QPSK_1@12	21.61	21.20	0.132	2	Pass
5MHz_Middle_QPSK_1@24	21.23	20.82	0.121	2	Pass
5MHz_Middle_QPSK_12@0	20.54	20.13	0.103	2	Pass
5MHz_Middle_QPSK_12@7	20.88	20.47	0.111	2	Pass
5MHz_Middle_QPSK_12@13	20.82	20.41	0.110	2	Pass
5MHz_Middle_QPSK_25@0	20.83	20.42	0.110	2	Pass
5MHz_Middle_16QAM_1@0	21.38	20.97	0.125	2	Pass
5MHz_Middle_16QAM_1@12	21.60	21.19	0.132	2	Pass
5MHz_Middle_16QAM_1@24	21.38	20.97	0.125	2	Pass
5MHz_Middle_16QAM_12@0	19.95	19.54	0.090	2	Pass
5MHz_Middle_16QAM_12@7	19.95	19.54	0.090	2	Pass
5MHz_Middle_16QAM_12@13	19.95	19.54	0.090	2	Pass
5MHz_Middle_16QAM_25@0	20.01	19.60	0.091	2	Pass
5MHz_High_QPSK_1@0	21.53	21.12	0.129	2	Pass
5MHz_High_QPSK_1@12	21.67	21.26	0.134	2	Pass
5MHz_High_QPSK_1@24	21.38	20.97	0.125	2	Pass
5MHz_High_QPSK_12@0	20.86	20.45	0.111	2	Pass
5MHz_High_QPSK_12@7	21.02	20.61	0.115	2	Pass
5MHz_High_QPSK_12@13	20.99	20.58	0.114	2	Pass
5MHz_High_QPSK_25@0	20.95	20.54	0.113	2	Pass
5MHz_High_16QAM_1@0	20.93	20.52	0.113	2	Pass
5MHz_High_16QAM_1@12	21.12	20.71	0.118	2	Pass
5MHz_High_16QAM_1@24	20.91	20.50	0.112	2	Pass
5MHz_High_16QAM_12@0	20.06	19.65	0.092	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
5MHz_High_16QAM_12@7	20.10	19.69	0.093	2	Pass
5MHz_High_16QAM_12@13	20.03	19.62	0.092	2	Pass
5MHz_High_16QAM_25@0	20.02	19.61	0.091	2	Pass
20MHz_Low_QPSK_1@0	21.40	20.99	0.126	2	Pass
20MHz_Low_QPSK_1@49	21.62	21.21	0.132	2	Pass
20MHz_Low_QPSK_1@99	21.34	20.93	0.124	2	Pass
20MHz_Low_QPSK_50@0	20.81	20.40	0.110	2	Pass
20MHz_Low_QPSK_50@24	20.80	20.39	0.109	2	Pass
20MHz_Low_QPSK_50@50	20.77	20.36	0.109	2	Pass
20MHz_Low_QPSK_100@0	20.81	20.40	0.110	2	Pass
20MHz_Low_16QAM_1@0	20.41	20.00	0.100	2	Pass
20MHz_Low_16QAM_1@49	20.92	20.51	0.112	2	Pass
20MHz_Low_16QAM_1@99	20.34	19.93	0.098	2	Pass
20MHz_Low_16QAM_50@0	19.76	19.35	0.086	2	Pass
20MHz_Low_16QAM_50@24	19.79	19.38	0.087	2	Pass
20MHz_Low_16QAM_50@50	19.82	19.41	0.087	2	Pass
20MHz_Low_16QAM_100@0	19.80	19.39	0.087	2	Pass
20MHz_Middle_QPSK_1@0	21.56	21.15	0.130	2	Pass
20MHz_Middle_QPSK_1@49	21.95	21.54	0.143	2	Pass
20MHz_Middle_QPSK_1@99	21.61	21.20	0.132	2	Pass
20MHz_Middle_QPSK_50@0	20.89	20.48	0.112	2	Pass
20MHz_Middle_QPSK_50@24	20.92	20.51	0.112	2	Pass
20MHz_Middle_QPSK_50@50	20.89	20.48	0.112	2	Pass
20MHz_Middle_QPSK_100@0	20.91	20.50	0.112	2	Pass
20MHz_Middle_16QAM_1@0	21.23	20.82	0.121	2	Pass
20MHz_Middle_16QAM_1@49	21.56	21.15	0.130	2	Pass
20MHz_Middle_16QAM_1@99	21.28	20.87	0.122	2	Pass
20MHz_Middle_16QAM_50@0	19.95	19.54	0.090	2	Pass
20MHz_Middle_16QAM_50@24	19.98	19.57	0.091	2	Pass
20MHz_Middle_16QAM_50@50	19.97	19.56	0.090	2	Pass
20MHz_Middle_16QAM_100@0	19.95	19.54	0.090	2	Pass
20MHz_High_QPSK_1@0	21.68	21.27	0.134	2	Pass
20MHz_High_QPSK_1@49	21.80	21.39	0.138	2	Pass
20MHz_High_QPSK_1@99	21.14	20.73	0.118	2	Pass
20MHz_High_QPSK_50@0	21.06	20.65	0.116	2	Pass
20MHz_High_QPSK_50@24	20.98	20.57	0.114	2	Pass
20MHz_High_QPSK_50@50	20.92	20.51	0.112	2	Pass
20MHz_High_QPSK_100@0	20.80	20.39	0.109	2	Pass
20MHz_High_16QAM_1@0	21.06	20.65	0.116	2	Pass
20MHz_High_16QAM_1@49	21.39	20.98	0.125	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
20MHz_High_16QAM_1@99	21	20.59	0.115	2	Pass
20MHz_High_16QAM_50@0	20.07	19.66	0.092	2	Pass
20MHz_High_16QAM_50@24	20.09	19.68	0.093	2	Pass
20MHz_High_16QAM_50@50	19.97	19.56	0.090	2	Pass
20MHz_High_16QAM_100@0	19.98	19.57	0.091	2	Pass

Note:

$EIRP = \text{Conducted Power(dBm)} - LC(dB) + GT(dBd)$

B7:

1.Ant Gain = -0.41dBi;

2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

Band 38, Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
5MHz_Low_QPSK_1@0	21.18	20.12	0.103	2	Pass
5MHz_Low_QPSK_1@12	21.20	20.14	0.103	2	Pass
5MHz_Low_QPSK_1@24	21.17	20.11	0.103	2	Pass
5MHz_Low_QPSK_12@0	20.21	19.15	0.082	2	Pass
5MHz_Low_QPSK_12@7	20.26	19.20	0.083	2	Pass
5MHz_Low_QPSK_12@13	20.21	19.15	0.082	2	Pass
5MHz_Low_QPSK_25@0	20.22	19.16	0.082	2	Pass
5MHz_Low_16QAM_1@0	20.23	19.17	0.083	2	Pass
5MHz_Low_16QAM_1@12	20.26	19.20	0.083	2	Pass
5MHz_Low_16QAM_1@24	20.20	19.14	0.082	2	Pass
5MHz_Low_16QAM_12@0	19.26	18.20	0.066	2	Pass
5MHz_Low_16QAM_12@7	19.30	18.24	0.067	2	Pass
5MHz_Low_16QAM_12@13	19.26	18.20	0.066	2	Pass
5MHz_Low_16QAM_25@0	19.25	18.19	0.066	2	Pass
5MHz_Middle_QPSK_1@0	21.17	20.11	0.103	2	Pass
5MHz_Middle_QPSK_1@12	21.18	20.12	0.103	2	Pass
5MHz_Middle_QPSK_1@24	21.15	20.09	0.102	2	Pass
5MHz_Middle_QPSK_12@0	20.28	19.22	0.084	2	Pass
5MHz_Middle_QPSK_12@7	20.29	19.23	0.084	2	Pass
5MHz_Middle_QPSK_12@13	20.24	19.18	0.083	2	Pass
5MHz_Middle_QPSK_25@0	20.24	19.18	0.083	2	Pass
5MHz_Middle_16QAM_1@0	20.14	19.08	0.081	2	Pass
5MHz_Middle_16QAM_1@12	20.16	19.10	0.081	2	Pass
5MHz_Middle_16QAM_1@24	20.14	19.08	0.081	2	Pass
5MHz_Middle_16QAM_12@0	19.22	18.16	0.065	2	Pass
5MHz_Middle_16QAM_12@7	19.26	18.20	0.066	2	Pass
5MHz_Middle_16QAM_12@13	19.16	18.10	0.065	2	Pass
5MHz_Middle_16QAM_25@0	19.30	18.24	0.067	2	Pass
5MHz_High_QPSK_1@0	21.38	20.32	0.108	2	Pass
5MHz_High_QPSK_1@12	21.38	20.32	0.108	2	Pass
5MHz_High_QPSK_1@24	21.36	20.30	0.107	2	Pass
5MHz_High_QPSK_12@0	20.35	19.29	0.085	2	Pass
5MHz_High_QPSK_12@7	20.37	19.31	0.085	2	Pass
5MHz_High_QPSK_12@13	20.31	19.25	0.084	2	Pass
5MHz_High_QPSK_25@0	20.35	19.29	0.085	2	Pass
5MHz_High_16QAM_1@0	20.26	19.20	0.083	2	Pass
5MHz_High_16QAM_1@12	20.32	19.26	0.084	2	Pass
5MHz_High_16QAM_1@24	20.28	19.22	0.084	2	Pass
5MHz_High_16QAM_12@0	19.26	18.20	0.066	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
5MHz_High_16QAM_12@7	19.27	18.21	0.066	2	Pass
5MHz_High_16QAM_12@13	19.19	18.13	0.065	2	Pass
5MHz_High_16QAM_25@0	19.43	18.37	0.069	2	Pass
20MHz_Low_QPSK_1@0	21.19	20.13	0.103	2	Pass
20MHz_Low_QPSK_1@49	21.60	20.54	0.113	2	Pass
20MHz_Low_QPSK_1@99	21.10	20.04	0.101	2	Pass
20MHz_Low_QPSK_50@0	20.29	19.23	0.084	2	Pass
20MHz_Low_QPSK_50@24	20.25	19.19	0.083	2	Pass
20MHz_Low_QPSK_50@50	20.21	19.15	0.082	2	Pass
20MHz_Low_QPSK_100@0	20.25	19.19	0.083	2	Pass
20MHz_Low_16QAM_1@0	20.03	18.97	0.079	2	Pass
20MHz_Low_16QAM_1@49	20.46	19.40	0.087	2	Pass
20MHz_Low_16QAM_1@99	19.98	18.92	0.078	2	Pass
20MHz_Low_16QAM_50@0	19.29	18.23	0.067	2	Pass
20MHz_Low_16QAM_50@24	19.26	18.20	0.066	2	Pass
20MHz_Low_16QAM_50@50	19.18	18.12	0.065	2	Pass
20MHz_Low_16QAM_100@0	19.26	18.20	0.066	2	Pass
20MHz_Middle_QPSK_1@0	21.17	20.11	0.103	2	Pass
20MHz_Middle_QPSK_1@49	21.60	20.54	0.113	2	Pass
20MHz_Middle_QPSK_1@99	21.15	20.09	0.102	2	Pass
20MHz_Middle_QPSK_50@0	20.35	19.29	0.085	2	Pass
20MHz_Middle_QPSK_50@24	20.32	19.26	0.084	2	Pass
20MHz_Middle_QPSK_50@50	20.19	19.13	0.082	2	Pass
20MHz_Middle_QPSK_100@0	20.28	19.22	0.084	2	Pass
20MHz_Middle_16QAM_1@0	20.18	19.12	0.082	2	Pass
20MHz_Middle_16QAM_1@49	20.62	19.56	0.090	2	Pass
20MHz_Middle_16QAM_1@99	20.12	19.06	0.081	2	Pass
20MHz_Middle_16QAM_50@0	19.34	18.28	0.067	2	Pass
20MHz_Middle_16QAM_50@24	19.29	18.23	0.067	2	Pass
20MHz_Middle_16QAM_50@50	19.16	18.10	0.065	2	Pass
20MHz_Middle_16QAM_100@0	19.27	18.21	0.066	2	Pass
20MHz_High_QPSK_1@0	21.21	20.15	0.104	2	Pass
20MHz_High_QPSK_1@49	21.68	20.62	0.115	2	Pass
20MHz_High_QPSK_1@99	21.15	20.09	0.102	2	Pass
20MHz_High_QPSK_50@0	20.40	19.34	0.086	2	Pass
20MHz_High_QPSK_50@24	20.33	19.27	0.085	2	Pass
20MHz_High_QPSK_50@50	20.24	19.18	0.083	2	Pass
20MHz_High_QPSK_100@0	20.28	19.22	0.084	2	Pass
20MHz_High_16QAM_1@0	20.02	18.96	0.079	2	Pass
20MHz_High_16QAM_1@49	20.47	19.41	0.087	2	Pass
20MHz_High_16QAM_1@99	19.96	18.90	0.078	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
20MHz_High_16QAM_50@0	19.37	18.31	0.068	2	Pass
20MHz_High_16QAM_50@24	19.27	18.21	0.066	2	Pass
20MHz_High_16QAM_50@50	19.20	18.14	0.065	2	Pass
20MHz_High_16QAM_100@0	19.29	18.23	0.067	2	Pass

Note:

$EIRP = \text{Conducted Power(dBm)} - LC(dB) + GT(dBd)$

B38:

1.Ant Gain = -1.06dBi;

2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

Band 41, Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
5MHz_Low_QPSK_1@0	20.52	20.06	0.101	2	Pass
5MHz_Low_QPSK_1@12	20.84	20.38	0.109	2	Pass
5MHz_Low_QPSK_1@24	20.31	19.85	0.097	2	Pass
5MHz_Low_QPSK_12@0	19.47	19.01	0.080	2	Pass
5MHz_Low_QPSK_12@7	19.59	19.13	0.082	2	Pass
5MHz_Low_QPSK_12@13	19.52	19.06	0.081	2	Pass
5MHz_Low_QPSK_25@0	19.56	19.10	0.081	2	Pass
5MHz_Low_16QAM_1@0	19.48	19.02	0.080	2	Pass
5MHz_Low_16QAM_1@12	19.66	19.20	0.083	2	Pass
5MHz_Low_16QAM_1@24	19.53	19.07	0.081	2	Pass
5MHz_Low_16QAM_12@0	18.41	17.95	0.062	2	Pass
5MHz_Low_16QAM_12@7	18.53	18.07	0.064	2	Pass
5MHz_Low_16QAM_12@13	18.45	17.99	0.063	2	Pass
5MHz_Low_16QAM_25@0	18.61	18.15	0.065	2	Pass
5MHz_Middle_QPSK_1@0	20.67	20.21	0.105	2	Pass
5MHz_Middle_QPSK_1@12	20.68	20.22	0.105	2	Pass
5MHz_Middle_QPSK_1@24	20.68	20.22	0.105	2	Pass
5MHz_Middle_QPSK_12@0	19.71	19.25	0.084	2	Pass
5MHz_Middle_QPSK_12@7	19.75	19.29	0.085	2	Pass
5MHz_Middle_QPSK_12@13	19.68	19.22	0.084	2	Pass
5MHz_Middle_QPSK_25@0	19.75	19.29	0.085	2	Pass
5MHz_Middle_16QAM_1@0	19.65	19.19	0.083	2	Pass
5MHz_Middle_16QAM_1@12	19.66	19.20	0.083	2	Pass
5MHz_Middle_16QAM_1@24	19.63	19.17	0.083	2	Pass
5MHz_Middle_16QAM_12@0	18.64	18.18	0.066	2	Pass
5MHz_Middle_16QAM_12@7	18.61	18.15	0.065	2	Pass
5MHz_Middle_16QAM_12@13	18.57	18.11	0.065	2	Pass
5MHz_Middle_16QAM_25@0	18.78	18.32	0.068	2	Pass
5MHz_High_QPSK_1@0	20.81	20.35	0.108	2	Pass
5MHz_High_QPSK_1@12	20.82	20.36	0.109	2	Pass
5MHz_High_QPSK_1@24	20.71	20.25	0.106	2	Pass
5MHz_High_QPSK_12@0	19.75	19.29	0.085	2	Pass
5MHz_High_QPSK_12@7	19.78	19.32	0.086	2	Pass
5MHz_High_QPSK_12@13	19.75	19.29	0.085	2	Pass
5MHz_High_QPSK_25@0	19.77	19.31	0.085	2	Pass
5MHz_High_16QAM_1@0	19.73	19.27	0.085	2	Pass
5MHz_High_16QAM_1@12	19.73	19.27	0.085	2	Pass
5MHz_High_16QAM_1@24	19.69	19.23	0.084	2	Pass
5MHz_High_16QAM_12@0	18.61	18.15	0.065	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
5MHz_High_16QAM_12@7	18.69	18.23	0.067	2	Pass
5MHz_High_16QAM_12@13	18.62	18.16	0.065	2	Pass
5MHz_High_16QAM_25@0	18.81	18.35	0.068	2	Pass
20MHz_Low_QPSK_1@0	20.37	19.91	0.098	2	Pass
20MHz_Low_QPSK_1@49	21	20.54	0.113	2	Pass
20MHz_Low_QPSK_1@99	20.36	19.90	0.098	2	Pass
20MHz_Low_QPSK_50@0	19.57	19.11	0.081	2	Pass
20MHz_Low_QPSK_50@24	19.66	19.20	0.083	2	Pass
20MHz_Low_QPSK_50@50	19.67	19.21	0.083	2	Pass
20MHz_Low_QPSK_100@0	19.57	19.11	0.081	2	Pass
20MHz_Low_16QAM_1@0	19.23	18.77	0.075	2	Pass
20MHz_Low_16QAM_1@49	19.81	19.35	0.086	2	Pass
20MHz_Low_16QAM_1@99	19.24	18.78	0.076	2	Pass
20MHz_Low_16QAM_50@0	18.56	18.10	0.065	2	Pass
20MHz_Low_16QAM_50@24	18.64	18.18	0.066	2	Pass
20MHz_Low_16QAM_50@50	18.66	18.20	0.066	2	Pass
20MHz_Low_16QAM_100@0	18.61	18.15	0.065	2	Pass
20MHz_Middle_QPSK_1@0	20.65	20.19	0.104	2	Pass
20MHz_Middle_QPSK_1@49	21.18	20.72	0.118	2	Pass
20MHz_Middle_QPSK_1@99	20.59	20.13	0.103	2	Pass
20MHz_Middle_QPSK_50@0	19.87	19.41	0.087	2	Pass
20MHz_Middle_QPSK_50@24	19.77	19.31	0.085	2	Pass
20MHz_Middle_QPSK_50@50	19.69	19.23	0.084	2	Pass
20MHz_Middle_QPSK_100@0	19.79	19.33	0.086	2	Pass
20MHz_Middle_16QAM_1@0	19.47	19.01	0.080	2	Pass
20MHz_Middle_16QAM_1@49	19.97	19.51	0.089	2	Pass
20MHz_Middle_16QAM_1@99	19.42	18.96	0.079	2	Pass
20MHz_Middle_16QAM_50@0	18.87	18.41	0.069	2	Pass
20MHz_Middle_16QAM_50@24	18.75	18.29	0.067	2	Pass
20MHz_Middle_16QAM_50@50	18.66	18.20	0.066	2	Pass
20MHz_Middle_16QAM_100@0	18.80	18.34	0.068	2	Pass
20MHz_High_QPSK_1@0	20.69	20.23	0.105	2	Pass
20MHz_High_QPSK_1@49	21.17	20.71	0.118	2	Pass
20MHz_High_QPSK_1@99	20.57	20.11	0.103	2	Pass
20MHz_High_QPSK_50@0	19.84	19.38	0.087	2	Pass
20MHz_High_QPSK_50@24	19.85	19.39	0.087	2	Pass
20MHz_High_QPSK_50@50	19.74	19.28	0.085	2	Pass
20MHz_High_QPSK_100@0	19.77	19.31	0.085	2	Pass
20MHz_High_16QAM_1@0	19.67	19.21	0.083	2	Pass
20MHz_High_16QAM_1@49	20.15	19.69	0.093	2	Pass
20MHz_High_16QAM_1@99	19.57	19.11	0.081	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
20MHz_High_16QAM_50@0	18.78	18.32	0.068	2	Pass
20MHz_High_16QAM_50@24	18.81	18.35	0.068	2	Pass
20MHz_High_16QAM_50@50	18.70	18.24	0.067	2	Pass
20MHz_High_16QAM_100@0	18.74	18.28	0.067	2	Pass

Note:

$EIRP = \text{Conducted Power(dBm)} - LC(\text{dB}) + GT(\text{dBd})$

B41_2:

1.Ant Gain = -0.46dBi;

2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

WCDMA Band 2

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (dBm)	Verdict
R99_Low	21.78	19.92	0.098	33	Pass
R99_Middle	22.02	20.16	0.104	33	Pass
R99_High	21.68	19.82	0.096	33	Pass

Note:

$EIRP = \text{Conducted Power(dBm)} - LC(dB) + GT(dBd)$

Band 2:

- 1.Ant Gain = -1.86dBi;
- 2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

WCDMA Band 4

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (dBm)	Verdict
R99_Low	21.06	21.34	0.136	30	Pass
R99_Middle	21.26	21.54	0.143	30	Pass
R99_High	21.58	21.86	0.153	30	Pass

Note:

$EIRP = \text{Conducted Power(dBm)} - LC(dB) + GT(dBd)$

Band 4:

- 1.Ant Gain = 0.28dBi;
- 2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

WCDMA Band 5

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (dBm)	Verdict
R99_Low	22.05	21.34	0.136	38.45	Pass
R99_Middle	22.08	21.37	0.137	38.45	Pass
R99_High	22.05	21.34	0.136	38.45	Pass

Note:

$ERP = \text{Conducted Power(dBm)} - LC(\text{dB}) + GT(\text{dBd})$

$GT(\text{dBd}) = GT(\text{dBi}) - 2.15$

Band 5:

- 1.Ant Gain = 1.44dBi;
- 2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

The maximum ERP/EIRP for each band and each bandwidth from original Conducted Power with new gain.

GPRS 850 Band

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (dBm)	Verdict
GPRS850	32.33	31.62	1.452	38.45	Pass

Note:

$ERP = \text{Conducted Power(dBm)} - LC(\text{dB}) + GT(\text{dBd})$

$GT(\text{dBd}) = GT(\text{dBi}) - 2.15$

GSM 850:

- 1.Ant Gain = 1.44dBi;
- 2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB
- 3.The Spot check data were similar to the original data.

GPRS 1900 Band

Mode	Max.Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (dBm)	Verdict
GPRS1900	28.42	26.56	0.453	33	Pass

Note:

$EIRP = \text{Conducted Power(dBm)} - LC(\text{dB}) + GT(\text{dBd})$

GSM 1900:

- 1.Ant Gain = -1.86dBi;
- 2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB
- 3.The Spot check data were similar to the original data.

WCDMA Band II

Mode	Max. Conducted Power (dBm)	Max. EIRP (dBm)	Max. EIRP (W)	Limit (dBm)	Verdict
Band II	22.33	20.47	0.111	33	Pass

Note:

$EIRP = \text{Conducted Power(dBm)} - LC(dB) + GT(dBd)$

Band 2:

1. Ant Gain = -1.86dBi;
2. CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB
3. The Spot check data were similar to the original data.

WCDMA Band IV

Mode	Max. Conducted Power (dBm)	Max. EIRP (dBm)	Max. EIRP (W)	Limit (dBm)	Verdict
Band IV	22.86	23.14	0.206	30	Pass

Note:

$EIRP = \text{Conducted Power(dBm)} - LC(dB) + GT(dBd)$

Band 4:

1. Ant Gain = 0.28dBi;
2. CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB
3. The Spot check data were similar to the original data.

WCDMA Band V

Mode	Max. Conducted Power (dBm)	Max. EIRP (dBm)	Max. EIRP (W)	Limit (dBm)	Verdict
Band V	23.67	22.96	0.198	38.45	Pass

Note:

$ERP = \text{Conducted Power(dBm)} - LC(dB) + GT(dBd)$

$GT(dBd) = GT(dBi) - 2.15$

Band 5:

1. Ant Gain = 1.44dBi;
2. CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB
3. The Spot check data were similar to the original data.

LTE Band 2:

Mode	Max. Conducted Power (dBm)	Max. EIRP (dBm)	Max. RF Output Power (Watt)	Limit (W)	Verdict
1.4MHz QPSK	22.31	20.45	0.111	2	Pass
1.4MHz 16QAM	21.38	19.52	0.090	2	Pass
3MHz QPSK	22.24	20.38	0.109	2	Pass
3MHz 16QAM	21.02	19.16	0.082	2	Pass
5MHz QPSK	22.17	20.31	0.107	2	Pass
5MHz 16QAM	21.05	19.19	0.083	2	Pass
10MHz QPSK	21.98	20.12	0.103	2	Pass
10MHz 16QAM	20.82	18.96	0.079	2	Pass
15MHz QPSK	22.49	20.63	0.116	2	Pass
15MHz 16QAM	21.24	19.38	0.087	2	Pass
20MHz QPSK	22.16	20.30	0.107	2	Pass
20MHz 16QAM	21.07	19.21	0.083	2	Pass

Note:

EIRP = Conducted Power(dBm) - LC(dB) + GT(dBd)

B2:

- 1.Ant Gain = -1.86dBi;
- 2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB
- 3.The Spot check data were similar to the original data.

LTE Band 4:

Mode	Max. Conducted Power (dBm)	Max. EIRP (dBm)	Max. RF Output Power (Watt)	Limit (W)	Verdict
1.4MHz QPSK	22.11	22.39	0.173	1	Pass
1.4MHz 16QAM	21.38	21.66	0.147	1	Pass
3MHz QPSK	22.30	22.58	0.181	1	Pass
3MHz 16QAM	21.20	21.48	0.141	1	Pass
5MHz QPSK	22.30	22.58	0.181	1	Pass
5MHz 16QAM	21.57	21.85	0.153	1	Pass
10MHz QPSK	22.23	22.51	0.178	1	Pass
10MHz 16QAM	21.34	21.62	0.145	1	Pass
15MHz QPSK	22.21	22.49	0.177	1	Pass
15MHz 16QAM	21.34	21.62	0.145	1	Pass
20MHz QPSK	21.87	22.15	0.164	1	Pass
20MHz 16QAM	21.47	21.75	0.150	1	Pass

Note:

EIRP = Conducted Power(dBm) - LC(dB) + GT(dBd)

B4:

- 1.Ant Gain = 0.28dBi;
- 2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB
- 3.The Spot check data were similar to the original data.

LTE Band 5:

Mode	Max. Conducted Power (dBm)	Max. ERP (dBm)	Max. RF Output Power (Watt)	Limit (W)	Verdict
1.4MHz QPSK	23.03	22.32	0.171	7	Pass
1.4MHz 16QAM	22.20	21.49	0.141	7	Pass
3MHz QPSK	23.03	22.32	0.171	7	Pass
3MHz 16QAM	22.20	21.49	0.141	7	Pass
5MHz QPSK	23.06	22.35	0.172	7	Pass
5MHz 16QAM	22.58	21.87	0.154	7	Pass
10MHz QPSK	23.15	22.44	0.175	7	Pass
10MHz 16QAM	22.34	21.63	0.146	7	Pass

Note:

ERP = Conducted Power(dBm) - LC(dB) + GT(dBd)

GT(dBd) = GT(dBi) - 2.15

B5:

1.Ant Gain = 1.44dBi;

2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

3.The Spot check data were similar to the original data.

LTE Band 7:

Mode	Max. Conducted Power (dBm)	Max. EIRP (dBm)	Max. RF Output Power (Watt)	Limit (W)	Verdict
5MHz QPSK	22.48	22.07	0.161	2	Pass
5MHz 16QAM	21.53	21.12	0.129	2	Pass
10MHz QPSK	22.70	22.29	0.169	2	Pass
10MHz 16QAM	21.79	21.38	0.137	2	Pass
15MHz QPSK	22.70	22.29	0.169	2	Pass
15MHz 16QAM	21.86	21.45	0.14	2	Pass
20MHz QPSK	22.33	21.92	0.156	2	Pass
20MHz 16QAM	21.83	21.42	0.139	2	Pass

Note:

EIRP = Conducted Power(dBm) - LC(dB) + GT(dBd)

B7:

1.Ant Gain = -0.41dBi;

2.CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

3.The Spot check data were similar to the original data.

LTE Band 38:

Mode	Max. Conducted Power (dBm)	Max. EIRP (dBm)	Max. RF Output Power (Watt)	Limit (W)	Verdict
5MHz QPSK	22.32	21.26	0.134	2	Pass
5MHz 16QAM	21.60	20.54	0.113	2	Pass
10MHz QPSK	22.98	21.92	0.156	2	Pass
10MHz 16QAM	21.39	20.33	0.108	2	Pass
15MHz QPSK	22.84	21.78	0.151	2	Pass
15MHz 16QAM	21.49	20.43	0.110	2	Pass
20MHz QPSK	23.12	22.06	0.161	2	Pass
20MHz 16QAM	21.44	20.38	0.109	2	Pass

Note:

$EIRP = \text{Conducted Power(dBm)} - LC(dB) + GT(dBd)$

B38:

1. Ant Gain = -1.06dBi;
2. CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB
3. The Spot check data were similar to the original data.

LTE Band 41:

Mode	Max. Conducted Power (dBm)	Max. EIRP (dBm)	Max. RF Output Power (Watt)	Limit (W)	Verdict
5MHz QPSK	22.77	22.31	0.170	2	Pass
5MHz 16QAM	21.30	20.84	0.121	2	Pass
10MHz QPSK	22.47	22.01	0.159	2	Pass
10MHz 16QAM	21.79	21.33	0.136	2	Pass
15MHz QPSK	22.39	21.93	0.156	2	Pass
15MHz 16QAM	21.49	21.03	0.127	2	Pass
20MHz QPSK	22.81	22.35	0.172	2	Pass
20MHz 16QAM	21.53	21.07	0.128	2	Pass

Note:

$EIRP = \text{Conducted Power(dBm)} - LC(dB) + GT(dBd)$

B41:

1. Ant Gain = -0.46dBi;
2. CL = signal attenuation in the connecting cable between the transmitter and antenna in 0dB
3. The Spot check data were similar to the original data.

***** END *****