

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	22.75	22.7	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.63	22.58	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.76	22.71	34.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.11	22.06	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.03	22.98	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.8	22.75	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.05	23	34.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.13	22.08	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.06	23.01	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.35	23.3	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.35	23.3	34.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.43	22.38	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	21.57	21.52	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.07	22.02	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.19	22.14	34.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.25	21.2	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.55	22.5	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.38	22.33	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.57	22.52	34.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.34	21.29	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.69	22.64	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.34	22.29	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.22	22.17	34.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.2	21.15	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.06	23.01	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.74	22.69	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.05	23	34.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.14	22.09	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.43	22.38	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.42	22.37	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.17	22.12	34.77	PASS
Band13	10MHz	16QAM	23230	27RB#0	21.78	21.73	34.77	PASS

Test on the worst case:

Field Strength of Spurious Radiation

Test Band = LTE Band 13 10M_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1555	66.09	-49.89	24.92	-54.14	-13.00	41.14	Horizontal
2	2332.77	56.06	-49.25	27.10	-61.35	-13.00	48.35	Horizontal
3	3110.36	54.92	-48.89	28.54	-60.68	-13.00	47.68	Horizontal
4	3887.95	46.81	-48.43	29.24	-67.63	-13.00	54.63	Horizontal
5	4665.54	43.92	-48.07	30.70	-68.71	-13.00	55.71	Horizontal
6	5443.13	43.39	-47.42	32.56	-66.72	-13.00	53.72	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1555.18	63.03	-49.89	24.92	-57.19	-13.00	44.19	Vertical
2	2332.77	60.19	-49.25	27.10	-57.22	-13.00	44.22	Vertical
3	3110.36	46.39	-48.89	28.54	-69.21	-13.00	56.21	Vertical
4	3887.95	44.22	-48.43	29.24	-70.22	-13.00	57.22	Vertical
5	4665.54	44.20	-48.07	30.70	-68.43	-13.00	55.43	Vertical
6	5443.13	43.85	-47.42	32.56	-66.26	-13.00	53.26	Vertical

Test Band = LTE Band 13 5M_ TM1
Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1554.5	63.50	-49.88	24.92	-56.73	-13.00	43.73	Horizontal
2	2332	57.51	-49.24	27.10	-59.89	-13.00	46.89	Horizontal
3	3109.36	53.63	-48.89	28.54	-61.98	-13.00	48.98	Horizontal
4	3886.7	44.91	-48.43	29.24	-69.54	-13.00	56.54	Horizontal
5	4664.04	44.20	-48.07	30.69	-68.43	-13.00	55.43	Horizontal
6	5441.38	44.09	-47.42	32.56	-66.03	-13.00	53.03	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1554.5	61.45	-49.88	24.92	-58.78	-13.00	45.78	Vertical
2	2332	55.89	-49.24	27.10	-61.51	-13.00	48.51	Vertical
3	3109.36	46.21	-48.89	28.54	-69.40	-13.00	56.40	Vertical
4	3886.7	44.66	-48.43	29.24	-69.79	-13.00	56.79	Vertical
5	4664.04	44.56	-48.07	30.69	-68.07	-13.00	55.07	Vertical
6	5441.38	43.22	-47.42	32.56	-66.90	-13.00	53.90	Vertical

Test Band = LTE Band 13 5M_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2339.5	54.13	-49.27	27.11	-63.29	-13.00	50.29	Horizontal
2	1559.68	62.23	-49.89	24.94	-57.98	-40.00	17.98	Horizontal
3	3119.36	52.60	-48.86	28.55	-62.97	-13.00	49.97	Horizontal
4	3899.2	44.44	-48.43	29.26	-69.99	-13.00	56.99	Horizontal
5	4679.04	43.67	-48.07	30.73	-68.93	-13.00	55.93	Horizontal
6	5458.88	43.49	-47.41	32.60	-66.58	-13.00	53.58	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	2339.5	54.60	-49.27	27.11	-62.82	-13.00	49.82	Vertical
2	1559.68	58.58	-49.89	24.94	-61.63	-40.00	21.63	Vertical
3	3119.36	45.25	-48.86	28.55	-70.32	-13.00	57.32	Vertical
4	3899.2	44.02	-48.43	29.26	-70.41	-13.00	57.41	Vertical
5	4679.04	43.74	-48.07	30.73	-68.86	-13.00	55.86	Vertical
6	5458.88	44.00	-47.41	32.60	-66.07	-13.00	53.07	Vertical

Test Band = LTE Band 13 5M_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1564.5	63.24	-49.89	24.96	-56.96	-40.00	16.96	Horizontal
2	2347	49.67	-49.29	27.12	-67.77	-13.00	54.77	Horizontal
3	3129.36	52.58	-48.83	28.55	-62.96	-13.00	49.96	Horizontal
4	3911.7	44.82	-48.42	29.28	-69.58	-13.00	56.58	Horizontal
5	4694.04	44.22	-48.08	30.77	-68.35	-13.00	55.35	Horizontal
6	5476.38	43.34	-47.40	32.64	-66.68	-13.00	53.68	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1564.68	57.00	-49.90	24.96	-63.20	-40.00	23.20	Vertical
2	2347.02	49.11	-49.30	27.12	-68.33	-13.00	55.33	Vertical
3	3129.36	45.22	-48.83	28.55	-70.32	-13.00	57.32	Vertical
4	3911.7	44.03	-48.42	29.28	-70.37	-13.00	57.37	Vertical
5	4694.04	44.78	-48.08	30.77	-67.79	-13.00	54.79	Vertical
6	5476.38	43.49	-47.40	32.64	-66.53	-13.00	53.53	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---