

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	22.94	22.89	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.82	22.77	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.95	22.9	34.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.34	22.29	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	23.23	23.18	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.98	22.93	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.25	23.2	34.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.3	22.25	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	23.22	23.17	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	23.57	23.52	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	23.57	23.52	34.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	22.66	22.61	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	21.74	21.69	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.26	22.21	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.37	22.32	34.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	21.42	21.37	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	22.72	22.67	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.61	22.56	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.74	22.69	34.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	21.54	21.49	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.84	22.79	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.56	22.51	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.43	22.38	34.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.37	21.32	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	23.29	23.24	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.98	22.93	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	23.22	23.17	34.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.33	22.28	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.62	22.57	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.61	22.56	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.35	22.3	34.77	PASS
Band13	10MHz	16QAM	23230	27RB#0	22	21.95	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	63.18	-49.89	24.92	-57.05	-13.00	44.05	Horizontal
2	2332.5	55.52	-49.24	27.10	-61.88	-13.00	48.88	Horizontal
3	3110.36	53.03	-48.89	28.54	-62.57	-13.00	49.57	Horizontal
4	3887.95	44.71	-48.43	29.24	-69.73	-13.00	56.73	Horizontal
5	4665.54	44.31	-48.07	30.70	-68.32	-13.00	55.32	Horizontal
6	5443.13	43.13	-47.42	32.56	-66.98	-13.00	53.98	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1555	62.00	-49.89	24.92	-58.23	-13.00	45.23	Vertical
2	2332.77	55.31	-49.25	27.10	-62.10	-13.00	49.10	Vertical
3	3110.36	45.00	-48.89	28.54	-70.60	-13.00	57.60	Vertical
4	3887.95	44.29	-48.43	29.24	-70.15	-13.00	57.15	Vertical
5	4665.54	44.01	-48.07	30.70	-68.62	-13.00	55.62	Vertical
6	5443.13	43.15	-47.42	32.56	-66.96	-13.00	53.96	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	64.60	-49.88	24.92	-55.63	-13.00	42.63	Horizontal
2	2332	55.44	-49.24	27.10	-61.96	-13.00	48.96	Horizontal
3	3109.36	53.49	-48.89	28.54	-62.12	-13.00	49.12	Horizontal
4	3886.7	44.72	-48.43	29.24	-69.73	-13.00	56.73	Horizontal
5	4664.04	44.15	-48.07	30.69	-68.48	-13.00	55.48	Horizontal
6	5441.38	42.94	-47.42	32.56	-67.18	-13.00	54.18	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1554.68	59.85	-49.89	24.92	-60.38	-13.00	47.38	Vertical
2	2332.02	51.76	-49.24	27.10	-65.64	-13.00	52.64	Vertical
3	3109.36	46.55	-48.89	28.54	-69.06	-13.00	56.06	Vertical
4	3886.7	43.93	-48.43	29.24	-70.52	-13.00	57.52	Vertical
5	4664.04	44.51	-48.07	30.69	-68.12	-13.00	55.12	Vertical
6	5441.38	43.48	-47.42	32.56	-66.64	-13.00	53.64	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	1559.5	60.60	-49.89	24.94	-59.61	-40.00	19.61	Horizontal
2	2339.5	53.43	-49.27	27.11	-63.99	-13.00	50.99	Horizontal
3	3119.36	53.61	-48.86	28.55	-61.96	-13.00	48.96	Horizontal
4	3899.2	44.86	-48.43	29.26	-69.57	-13.00	56.57	Horizontal
5	4679.04	43.73	-48.07	30.73	-68.87	-13.00	55.87	Horizontal
6	5458.88	43.36	-47.41	32.60	-66.71	-13.00	53.71	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1559.5	59.37	-49.89	24.94	-60.84	-40.00	20.84	Vertical
2	2339.5	49.95	-49.27	27.11	-67.47	-13.00	54.47	Vertical
3	3119.36	44.15	-48.86	28.55	-71.42	-13.00	58.42	Vertical
4	3899.2	44.32	-48.43	29.26	-70.11	-13.00	57.11	Vertical
5	4679.04	44.19	-48.07	30.73	-68.41	-13.00	55.41	Vertical
6	5458.88	43.35	-47.41	32.60	-66.72	-13.00	53.72	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	60.67	-49.89	24.96	-59.53	-40.00	19.53	Horizontal
2	2347	49.94	-49.29	27.12	-67.50	-13.00	54.50	Horizontal
3	3129.36	52.85	-48.83	28.55	-62.69	-13.00	49.69	Horizontal
4	3911.7	44.46	-48.42	29.28	-69.94	-13.00	56.94	Horizontal
5	4694.04	44.37	-48.08	30.77	-68.20	-13.00	55.20	Horizontal
6	5476.38	43.19	-47.40	32.64	-66.83	-13.00	53.83	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1564.5	57.58	-49.89	24.96	-62.62	-40.00	22.62	Vertical
2	2347	52.25	-49.29	27.12	-65.19	-13.00	52.19	Vertical
3	3129.36	45.34	-48.83	28.55	-70.20	-13.00	57.20	Vertical
4	3911.7	44.15	-48.42	29.28	-70.25	-13.00	57.25	Vertical
5	4694.04	43.99	-48.08	30.77	-68.58	-13.00	55.58	Vertical
6	5476.38	43.20	-47.40	32.64	-66.82	-13.00	53.82	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---