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# Appendix B.11

## LTE Band 66



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## Effective (Isotropic) Radiated Power Output Data

Test for Spot check the max BW power:

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band66	20MHz	QPSK	132072	1RB#0	22.83	23.1	30	PASS
Band66	20MHz	QPSK	132072	1RB#50	23.11	23.38	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	22.91	23.18	30	PASS
Band66	20MHz	QPSK	132072	50RB#0	21.95	22.22	30	PASS
Band66	20MHz	QPSK	132072	50RB#25	21.97	22.24	30	PASS
Band66	20MHz	QPSK	132072	50RB#50	22.03	22.3	30	PASS
Band66	20MHz	QPSK	132072	100RB#0	21.95	22.22	30	PASS
Band66	20MHz	QPSK	132322	1RB#0	22.81	23.08	30	PASS
Band66	20MHz	QPSK	132322	1RB#50	23.12	23.39	30	PASS
Band66	20MHz	QPSK	132322	1RB#99	22.92	23.19	30	PASS
Band66	20MHz	QPSK	132322	50RB#0	21.92	22.19	30	PASS
Band66	20MHz	QPSK	132322	50RB#25	22.04	22.31	30	PASS
Band66	20MHz	QPSK	132322	50RB#50	21.98	22.25	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.00	22.27	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	22.80	23.07	30	PASS
Band66	20MHz	QPSK	132572	1RB#50	22.93	23.2	30	PASS
Band66	20MHz	QPSK	132572	1RB#99	22.74	23.01	30	PASS
Band66	20MHz	QPSK	132572	50RB#0	22.02	22.29	30	PASS
Band66	20MHz	QPSK	132572	50RB#25	21.94	22.21	30	PASS
Band66	20MHz	QPSK	132572	50RB#50	21.90	22.17	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	21.89	22.16	30	PASS



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## Field Strength of Spurious Radiation

### Test for spot check:

Test Band = LTE Band 66\_ TM1

Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3492	48.60	-45.71	29.40	-62.97	-13.00	49.97	185	184	Horizontal
2	5238	47.02	-44.10	32.60	-59.74	-13.00	46.74	239	16	Horizontal
3	6984	48.97	-42.56	36.17	-52.69	-13.00	39.69	212	150	Horizontal
4	8730.75	49.69	-39.29	38.30	-46.56	-13.00	33.56	148	217	Horizontal
5	10476	49.63	-36.41	39.02	-43.02	-13.00	30.02	162	200	Horizontal
6	12089.63	33.30	-35.20	38.69	-58.47	-13.00	45.47	179	234	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3492	48.36	-45.71	29.40	-63.21	-13.00	50.21	168	360	Vertical
2	5238	43.29	-44.10	32.60	-63.47	-13.00	50.47	252	249	Vertical
3	6984	49.68	-42.56	36.17	-51.98	-13.00	38.98	234	343	Vertical
4	8730	43.03	-39.29	38.30	-53.22	-13.00	40.22	147	343	Vertical
5	10476.75	39.42	-36.41	39.02	-53.22	-13.00	40.22	198	235	Vertical
6	12089.63	33.88	-35.20	38.69	-57.89	-13.00	44.89	183	33	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---



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