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Rev.: 01  
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# Appendix B.6

## LTE Band 12



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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)	ERP (dBm)	Limit (dBm)	Verdict
Band12	10MHz	QPSK	23060	1RB#0	22.50	17.37	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#25	23.26	18.13	34.77	PASS
Band12	10MHz	QPSK	23060	1RB#49	22.93	17.80	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#0	21.93	16.80	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#13	21.91	16.78	34.77	PASS
Band12	10MHz	QPSK	23060	25RB#25	21.94	16.81	34.77	PASS
Band12	10MHz	QPSK	23060	50RB#0	22.03	16.90	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#0	22.94	17.81	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#25	22.89	17.76	34.77	PASS
Band12	10MHz	QPSK	23095	1RB#49	22.85	17.72	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#0	21.97	16.84	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#13	22.03	16.90	34.77	PASS
Band12	10MHz	QPSK	23095	25RB#25	21.98	16.85	34.77	PASS
Band12	10MHz	QPSK	23095	50RB#0	22.01	16.88	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#0	22.79	17.66	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#25	23.24	18.11	34.77	PASS
Band12	10MHz	QPSK	23130	1RB#49	22.66	17.53	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#0	22.06	16.93	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#13	22.00	16.87	34.77	PASS
Band12	10MHz	QPSK	23130	25RB#25	21.91	16.78	34.77	PASS
Band12	10MHz	QPSK	23130	50RB#0	22.04	16.91	34.77	PASS



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## Field Strength of Spurious Radiation

### Test for spot check:

Test Band = LTE Band 12\_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	1406.18	57.26	-48.72	25.41	-61.31	-13.00	48.31	263	35	Horizontal
2	2109.27	48.27	-47.87	27.12	-67.74	-13.00	54.74	174	192	Horizontal
3	2812.36	47.96	-46.69	28.96	-65.03	-13.00	52.03	168	25	Horizontal
4	3515.45	64.80	-46.03	29.44	-47.06	-13.00	34.06	229	269	Horizontal
5	4218.54	51.36	-45.11	30.95	-58.06	-13.00	45.06	146	24	Horizontal
6	4921.63	45.59	-45.12	32.41	-62.38	-13.00	49.38	205	129	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	1406.18	58.85	-48.72	25.41	-59.72	-13.00	46.72	206	202	Vertical
2	2109.27	47.65	-47.87	27.12	-68.36	-13.00	55.36	171	124	Vertical
3	2812.36	48.80	-46.69	28.96	-64.19	-13.00	51.19	225	264	Vertical
4	3515.45	69.57	-46.03	29.44	-42.29	-13.00	29.29	186	312	Vertical
5	4218.54	55.14	-45.11	30.95	-54.28	-13.00	41.28	220	264	Vertical
6	4921.63	46.56	-45.12	32.41	-61.41	-13.00	48.41	189	249	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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