



Report No.: SEWM2302000049RG02

Rev.: 01

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Appendix B.3

LTE Band 2



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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
Band2	20MHz	QPSK	18700	1RB#0	21.66	22.87	33	PASS
Band2	20MHz	QPSK	18700	1RB#50	22.19	23.4	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	21.96	23.17	33	PASS
Band2	20MHz	QPSK	18700	50RB#0	20.89	22.1	33	PASS
Band2	20MHz	QPSK	18700	50RB#25	20.94	22.15	33	PASS
Band2	20MHz	QPSK	18700	50RB#50	20.96	22.17	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	20.84	22.05	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	21.58	22.79	33	PASS
Band2	20MHz	QPSK	18900	1RB#50	22.02	23.23	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	21.51	22.72	33	PASS
Band2	20MHz	QPSK	18900	50RB#0	20.84	22.05	33	PASS
Band2	20MHz	QPSK	18900	50RB#25	20.71	21.92	33	PASS
Band2	20MHz	QPSK	18900	50RB#50	20.77	21.98	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	20.75	21.96	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	21.57	22.78	33	PASS
Band2	20MHz	QPSK	19100	1RB#50	21.90	23.11	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	21.52	22.73	33	PASS
Band2	20MHz	QPSK	19100	50RB#0	20.69	21.9	33	PASS
Band2	20MHz	QPSK	19100	50RB#25	20.69	21.9	33	PASS
Band2	20MHz	QPSK	19100	50RB#50	20.58	21.79	33	PASS
Band2	20MHz	QPSK	19100	100RB#0	20.74	21.95	33	PASS



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Field Strength of Spurious Radiation

Test for spot check:

Test Band = LTE Band 2_ 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	3742.5	44.89	-45.59	29.98	-65.97	-13.00	52.97	169	12	Horizontal
2	5613	46.24	-43.84	32.96	-59.90	-13.00	46.90	253	0	Horizontal
3	7484.25	51.71	-41.66	36.49	-48.72	-13.00	35.72	246	344	Horizontal
4	9355.5	47.19	-38.26	38.56	-47.77	-13.00	34.77	187	26	Horizontal
5	11226.54	36.27	-35.07	39.37	-54.68	-13.00	41.68	146	5	Horizontal
6	13097.63	35.27	-34.47	39.66	-54.80	-13.00	41.80	155	12	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	7484.25	52.30	-41.66	36.49	-48.13	-13.00	35.13	144	357	Vertical
2	3742.18	45.09	-45.59	29.98	-65.77	-13.00	52.77	198	65	Vertical
3	5613.27	44.30	-43.84	32.96	-61.84	-13.00	48.84	256	0	Vertical
4	9355.45	39.53	-38.26	38.56	-55.43	-13.00	42.43	241	32	Vertical
5	11226.54	32.45	-35.07	39.37	-58.50	-13.00	45.50	178	0	Vertical
6	13097.63	32.60	-34.47	39.66	-57.47	-13.00	44.47	203	0	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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