



Report No.: SEWM2302000050RG02

Rev.: 01

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Appendix B.8

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	23.06	23.93	30	PASS
Band66	20MHz	QPSK	132072	1RB#50	23.18	24.05	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.11	23.98	30	PASS
Band66	20MHz	QPSK	132072	50RB#0	22.44	23.31	30	PASS
Band66	20MHz	QPSK	132072	50RB#25	22.41	23.28	30	PASS
Band66	20MHz	QPSK	132072	50RB#50	22.48	23.35	30	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.46	23.33	30	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.19	24.06	30	PASS
Band66	20MHz	QPSK	132322	1RB#50	23.19	24.06	30	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.20	24.07	30	PASS
Band66	20MHz	QPSK	132322	50RB#0	22.48	23.35	30	PASS
Band66	20MHz	QPSK	132322	50RB#25	22.54	23.41	30	PASS
Band66	20MHz	QPSK	132322	50RB#50	22.57	23.44	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.51	23.38	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.01	23.88	30	PASS
Band66	20MHz	QPSK	132572	1RB#50	23.18	24.05	30	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.11	23.98	30	PASS
Band66	20MHz	QPSK	132572	50RB#0	22.53	23.40	30	PASS
Band66	20MHz	QPSK	132572	50RB#25	22.64	23.51	30	PASS
Band66	20MHz	QPSK	132572	50RB#50	22.72	23.59	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.55	23.42	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	3472.5	50.67	-45.76	29.41	-60.94	-13.00	47.94	158	129	Horizontal
2	5181.27	41.19	-44.18	32.60	-65.65	-13.00	52.65	172	7	Horizontal
3	6908.36	39.83	-42.44	36.02	-61.86	-13.00	48.86	193	0	Horizontal
4	8635.45	36.31	-39.66	38.20	-60.41	-13.00	47.41	221	95	Horizontal
5	10362.54	33.34	-36.60	38.90	-59.63	-13.00	46.63	168	245	Horizontal
6	12089.63	34.00	-35.20	38.69	-57.77	-13.00	44.77	184	328	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	3472.5	51.34	-45.76	29.41	-60.27	-13.00	47.27	152	261	Vertical
2	5181.27	40.88	-44.18	32.60	-65.96	-13.00	52.96	169	92	Vertical
3	6908.36	41.10	-42.44	36.02	-60.59	-13.00	47.59	239	0	Vertical
4	8635.45	36.75	-39.66	38.20	-59.97	-13.00	46.97	284	76	Vertical
5	10362.54	33.09	-36.60	38.90	-59.88	-13.00	46.88	216	356	Vertical
6	12089.63	33.89	-35.20	38.69	-57.88	-13.00	44.88	228	261	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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