



Report No.: SEWM2302000049RG02

Rev.: 01

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Appendix B.7

LTE Band 25



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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
Band25	20MHz	QPSK	26140	1RB#0	22.08	23.29	33	PASS
Band25	20MHz	QPSK	26140	1RB#50	22.23	23.44	33	PASS
Band25	20MHz	QPSK	26140	1RB#99	21.78	22.99	33	PASS
Band25	20MHz	QPSK	26140	50RB#0	21.17	22.38	33	PASS
Band25	20MHz	QPSK	26140	50RB#25	21.17	22.38	33	PASS
Band25	20MHz	QPSK	26140	50RB#50	21.02	22.23	33	PASS
Band25	20MHz	QPSK	26140	100RB#0	21.08	22.29	33	PASS
Band25	20MHz	QPSK	26365	1RB#0	21.84	23.05	33	PASS
Band25	20MHz	QPSK	26365	1RB#50	22.09	23.3	33	PASS
Band25	20MHz	QPSK	26365	1RB#99	21.90	23.11	33	PASS
Band25	20MHz	QPSK	26365	50RB#0	20.88	22.09	33	PASS
Band25	20MHz	QPSK	26365	50RB#25	20.90	22.11	33	PASS
Band25	20MHz	QPSK	26365	50RB#50	20.95	22.16	33	PASS
Band25	20MHz	QPSK	26365	100RB#0	20.91	22.12	33	PASS
Band25	20MHz	QPSK	26590	1RB#0	21.76	22.97	33	PASS
Band25	20MHz	QPSK	26590	1RB#50	22.00	23.21	33	PASS
Band25	20MHz	QPSK	26590	1RB#99	22.02	23.23	33	PASS
Band25	20MHz	QPSK	26590	50RB#0	20.90	22.11	33	PASS
Band25	20MHz	QPSK	26590	50RB#25	21.00	22.21	33	PASS
Band25	20MHz	QPSK	26590	50RB#50	20.90	22.11	33	PASS
Band25	20MHz	QPSK	26590	100RB#0	20.91	22.12	33	PASS



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Field Strength of Spurious Radiation

Test for spot check:

Test Band = LTE Band 25_ 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	3747	45.76	-45.57	29.99	-65.08	-13.00	52.08	184	14	Horizontal
2	5620.5	45.52	-43.84	32.99	-60.59	-13.00	47.59	169	360	Horizontal
3	7494	50.88	-41.62	36.50	-49.51	-13.00	36.51	228	345	Horizontal
4	9368.25	47.28	-38.23	38.56	-47.65	-13.00	34.65	165	64	Horizontal
5	11241.75	35.83	-35.13	39.36	-55.20	-13.00	42.20	241	3	Horizontal
6	13115.25	35.66	-34.51	39.67	-54.45	-13.00	41.45	163	14	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	3747	48.83	-45.57	29.99	-62.01	-13.00	49.01	255	48	Vertical
2	5620.5	47.55	-43.84	32.99	-58.56	-13.00	45.56	147	360	Vertical
3	7494.75	51.90	-41.62	36.50	-48.48	-13.00	35.48	187	359	Vertical
4	9368.25	38.97	-38.23	38.56	-55.96	-13.00	42.96	199	32	Vertical
5	11226.54	31.95	-35.07	39.37	-59.00	-13.00	46.00	162	3	Vertical
6	13097.63	33.07	-34.47	39.66	-57.00	-13.00	44.00	142	186	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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