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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	22.61	23.44	30	PASS
Band66	20MHz	QPSK	132072	1RB#50	22.87	23.70	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	22.99	23.82	30	PASS
Band66	20MHz	QPSK	132072	50RB#0	21.84	22.67	30	PASS
Band66	20MHz	QPSK	132072	50RB#25	21.79	22.62	30	PASS
Band66	20MHz	QPSK	132072	50RB#50	21.72	22.55	30	PASS
Band66	20MHz	QPSK	132072	100RB#0	21.71	22.54	30	PASS
Band66	20MHz	QPSK	132322	1RB#0	22.93	23.76	30	PASS
Band66	20MHz	QPSK	132322	1RB#50	23.17	24.00	30	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.23	24.06	30	PASS
Band66	20MHz	QPSK	132322	50RB#0	22.05	22.88	30	PASS
Band66	20MHz	QPSK	132322	50RB#25	22.06	22.89	30	PASS
Band66	20MHz	QPSK	132322	50RB#50	21.96	22.79	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	21.98	22.81	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	22.67	23.50	30	PASS
Band66	20MHz	QPSK	132572	1RB#50	22.91	23.74	30	PASS
Band66	20MHz	QPSK	132572	1RB#99	22.98	23.81	30	PASS
Band66	20MHz	QPSK	132572	50RB#0	21.83	22.66	30	PASS
Band66	20MHz	QPSK	132572	50RB#25	21.79	22.62	30	PASS
Band66	20MHz	QPSK	132572	50RB#50	21.70	22.53	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	21.76	22.59	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	52.52	-45.76	29.41	-59.09	-13.00	46.09	189	360	Horizontal
2	5208	45.29	-44.14	32.60	-61.51	-13.00	48.51	263	249	Horizontal
3	6944.25	45.22	-42.50	36.09	-56.45	-13.00	43.45	177	233	Horizontal
4	8680.5	46.10	-39.46	38.25	-50.37	-13.00	37.37	181	133	Horizontal
5	10362.54	33.51	-36.60	38.90	-59.46	-13.00	46.46	215	266	Horizontal
6	12089.63	33.33	-35.20	38.69	-58.44	-13.00	45.44	238	249	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	3471.75	52.89	-45.76	29.41	-58.72	-13.00	45.72	158	249	Vertical
2	5208	46.45	-44.14	32.60	-60.35	-13.00	47.35	247	345	Vertical
3	6944.25	43.80	-42.50	36.09	-57.87	-13.00	44.87	186	148	Vertical
4	8680.5	42.27	-39.46	38.25	-54.20	-13.00	41.20	233	266	Vertical
5	10362.54	32.74	-36.60	38.90	-60.23	-13.00	47.23	241	215	Vertical
6	12089.63	34.03	-35.20	38.69	-57.74	-13.00	44.74	189	358	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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