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Appendix B.13

LTE Band 30



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	22.13	19.13	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#12	22.16	19.16	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#24	22.22	19.22	23.98	PASS
Band30	5MHz	QPSK	27685	25RB#0	21.23	18.23	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#0	22.15	19.15	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#12	22.11	19.11	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#24	22.11	19.11	23.98	PASS
Band30	5MHz	QPSK	27710	25RB#0	21.24	18.24	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#0	22.02	19.02	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#12	22.00	19	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#24	21.99	18.99	23.98	PASS
Band30	5MHz	QPSK	27735	25RB#0	21.09	18.09	23.98	PASS
Band30	5MHz	16QAM	27685	1RB#0	21.32	18.32	23.98	PASS
Band30	5MHz	16QAM	27685	1RB#12	21.35	18.35	23.98	PASS
Band30	5MHz	16QAM	27685	1RB#24	21.52	18.52	23.98	PASS
Band30	5MHz	16QAM	27685	25RB#0	20.23	17.23	23.98	PASS
Band30	5MHz	16QAM	27710	1RB#0	21.29	18.29	23.98	PASS
Band30	5MHz	16QAM	27710	1RB#12	21.38	18.38	23.98	PASS
Band30	5MHz	16QAM	27710	1RB#24	21.30	18.3	23.98	PASS
Band30	5MHz	16QAM	27710	25RB#0	20.21	17.21	23.98	PASS
Band30	5MHz	16QAM	27735	1RB#0	21.29	18.29	23.98	PASS
Band30	5MHz	16QAM	27735	1RB#12	21.19	18.19	23.98	PASS
Band30	5MHz	16QAM	27735	1RB#24	21.16	18.16	23.98	PASS
Band30	5MHz	16QAM	27735	25RB#0	20.02	17.02	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#0	21.94	18.94	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#24	22.00	19	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#49	21.96	18.96	23.98	PASS



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Band30	10MHz	QPSK	27710	50RB#0	20.14	17.14	23.98	PASS
Band30	10MHz	16QAM	27710	1RB#0	21.15	18.15	23.98	PASS
Band30	10MHz	16QAM	27710	1RB#24	21.20	18.2	23.98	PASS
Band30	10MHz	16QAM	27710	1RB#49	21.25	18.25	23.98	PASS
Band30	10MHz	16QAM	27710	50RB#0	20.06	17.06	23.98	PASS



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Field Strength of Spurious Radiation**Test Band = LTE Band 30 BW 10M_ TM1****Test Channel = Mid Channel**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4611.1800	40.95	-45.66	30.55	-69.43	-40.00	29.43	Horizontal
2	6916.7700	39.62	-44.01	35.05	-64.59	-40.00	24.59	Horizontal
3	9222.3600	32.86	-40.24	36.72	-65.92	-40.00	25.92	Horizontal
4	11527.9500	31.39	-37.19	38.75	-62.31	-40.00	22.31	Horizontal
5	13833.5400	34.64	-36.08	40.60	-56.10	-40.00	16.10	Horizontal
6	16139.1300	34.02	-34.58	39.63	-56.19	-40.00	16.19	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4611.1800	40.90	-45.66	30.55	-69.48	-40.00	29.48	Vertical
2	6916.7700	39.60	-44.01	35.05	-64.61	-40.00	24.61	Vertical
3	9222.3600	33.15	-40.24	36.72	-65.63	-40.00	25.63	Vertical
4	11527.9500	30.11	-37.19	38.75	-63.59	-40.00	23.59	Vertical
5	13833.5400	35.08	-36.08	40.60	-55.66	-40.00	15.66	Vertical
6	16139.1300	33.26	-34.58	39.63	-56.95	-40.00	16.95	Vertical



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Test Band = LTE Band 30 BW 5M_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4610.6800	41.09	-45.66	30.54	-69.29	-40.00	29.29	Horizontal
2	6916.0200	38.85	-44.01	35.05	-65.37	-40.00	25.37	Horizontal
3	9221.3600	32.71	-40.24	36.72	-66.07	-40.00	26.07	Horizontal
4	11526.7000	31.77	-37.20	38.75	-61.94	-40.00	21.94	Horizontal
5	13831.5	37.47	-36.10	40.60	-53.29	-40.00	13.29	Horizontal
6	16137.3800	33.50	-34.58	39.63	-56.71	-40.00	16.71	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4610.6800	41.03	-45.66	30.54	-69.35	-40.00	29.35	Vertical
2	6916.0200	39.77	-44.01	35.05	-64.45	-40.00	24.45	Vertical
3	9221.3600	33.09	-40.24	36.72	-65.69	-40.00	25.69	Vertical
4	11526.7000	29.73	-37.20	38.75	-63.98	-40.00	23.98	Vertical
5	13832.0400	34.27	-36.09	40.60	-56.49	-40.00	16.49	Vertical
6	16137.3800	33.27	-34.58	39.63	-56.94	-40.00	16.94	Vertical



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Test Band = LTE Band 30 BW 5M_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4615.6800	40.88	-45.66	30.56	-69.48	-40.00	29.48	Horizontal
2	6923.5200	39.74	-43.97	35.06	-64.42	-40.00	24.42	Horizontal
3	9231.3600	33.66	-40.24	36.74	-65.10	-40.00	25.10	Horizontal
4	11539.2000	31.00	-37.15	38.75	-62.65	-40.00	22.65	Horizontal
5	13846.5	35.21	-35.96	40.62	-55.38	-40.00	15.38	Horizontal
6	16154.8800	34.05	-34.60	39.68	-56.12	-40.00	16.12	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4615.6800	41.33	-45.66	30.56	-69.03	-40.00	29.03	Vertical
2	6923.5200	39.19	-43.97	35.06	-64.97	-40.00	24.97	Vertical
3	9231.3600	32.44	-40.24	36.74	-66.32	-40.00	26.32	Vertical
4	11539.2000	30.27	-37.15	38.75	-63.38	-40.00	23.38	Vertical
5	13847.0400	33.36	-35.95	40.63	-57.23	-40.00	17.23	Vertical
6	16154.8800	34.46	-34.60	39.68	-55.71	-40.00	15.71	Vertical



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Test Band = LTE Band 30 BW 5M_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4620.6800	42.54	-45.66	30.57	-67.81	-40.00	27.81	Horizontal
2	6931.0200	39.47	-43.93	35.08	-64.64	-40.00	24.64	Horizontal
3	9241.3600	33.15	-40.24	36.76	-65.59	-40.00	25.59	Horizontal
4	11551.7000	29.96	-37.10	38.76	-63.64	-40.00	23.64	Horizontal
5	13862.0400	33.16	-35.81	40.65	-57.26	-40.00	17.26	Horizontal
6	16172.3800	33.67	-34.61	39.74	-56.47	-40.00	16.47	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4620.6800	41.23	-45.66	30.57	-69.12	-40.00	29.12	Vertical
2	6931.0200	39.43	-43.93	35.08	-64.68	-40.00	24.68	Vertical
3	9241.3600	32.82	-40.24	36.76	-65.92	-40.00	25.92	Vertical
4	11551.7000	29.73	-37.10	38.76	-63.87	-40.00	23.87	Vertical
5	13862.0400	33.23	-35.81	40.65	-57.19	-40.00	17.19	Vertical
6	16172.3800	33.92	-34.61	39.74	-56.22	-40.00	16.22	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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