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Appendix B.8

LTE Band 17



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	22.66	16.89	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	22.55	16.78	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	22.51	16.74	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	21.58	15.81	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	22.54	16.77	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	22.55	16.78	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	22.61	16.84	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	21.46	15.69	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	22.54	16.77	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	22.48	16.71	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	22.41	16.64	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	21.46	15.69	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	21.85	16.08	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	21.96	16.19	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	21.72	15.95	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	20.53	14.76	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	21.9	16.13	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	21.65	15.88	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	21.73	15.96	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	20.51	14.74	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.78	16.01	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	21.81	16.04	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	21.74	15.97	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	20.41	14.64	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.93	17.16	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	22.53	16.76	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	22.69	16.92	34.77	PASS



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Band17	10MHz	QPSK	23780	50RB#0	21.61	15.84	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	22.81	17.04	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	22.44	16.67	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	22.57	16.8	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	21.54	15.77	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	22.89	17.12	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	22.41	16.64	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	22.64	16.87	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	21.49	15.72	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.19	16.42	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	21.89	16.12	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	21.93	16.16	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	20.54	14.77	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.11	16.34	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	21.74	15.97	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	21.87	16.1	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	20.58	14.81	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.14	16.37	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	21.71	15.94	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	21.88	16.11	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	20.54	14.77	34.77	PASS



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Field Strength of Spurious Radiation

Test Band = LTE Band 17_10MHz_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1409.18	64.09	-48.71	25.41	-54.47	-13.00	41.47	178	220	Horizontal
2	2113.77	61.70	-47.86	27.13	-54.29	-13.00	41.29	169	156	Horizontal
3	2818.36	46.37	-46.70	28.98	-66.61	-13.00	53.61	225	313	Horizontal
4	3522.95	42.10	-46.02	29.46	-69.73	-13.00	56.73	274	235	Horizontal
5	4227.54	40.70	-45.11	30.96	-68.71	-13.00	55.71	196	93	Horizontal
6	4932.13	40.72	-45.10	32.44	-67.21	-13.00	54.21	235	62	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	1409.18	64.92	-48.71	25.41	-53.64	-13.00	40.64	196	95	Vertical
2	2113.77	64.37	-47.86	27.13	-51.62	-13.00	38.62	256	357	Vertical
3	2818.36	43.95	-46.70	28.98	-69.03	-13.00	56.03	274	174	Vertical
4	3522.95	43.81	-46.02	29.46	-68.02	-13.00	55.02	149	95	Vertical
5	4227.54	41.56	-45.11	30.96	-67.85	-13.00	54.85	228	34	Vertical
6	4932.13	40.77	-45.10	32.44	-67.16	-13.00	54.16	163	357	Vertical



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Test Band = LTE Band 17_10MHz_ TM1
Test Channel = Mid Channel
Final Data List

NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1411.1111	66.97	-48.70	25.41	-51.58	-13.00	38.58	256	78	Horizontal
2	2116.8889	62.53	-47.86	27.13	-53.45	-13.00	40.45	214	141	Horizontal
3	2822.2222	47.12	-46.71	29.00	-65.85	-13.00	52.85	269	313	Horizontal
4	3527.95	42.50	-46.02	29.47	-69.31	-13.00	56.31	158	282	Horizontal
5	4233.54	41.34	-45.11	30.97	-68.06	-13.00	55.06	197	141	Horizontal
6	4939.13	40.72	-45.09	32.45	-67.18	-13.00	54.18	223	219	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	1411.1111	65.73	-48.70	25.41	-52.82	-13.00	39.82	186	82	Vertical
2	2116.77	63.57	-47.86	27.13	-52.41	-13.00	39.41	269	357	Vertical
3	2822.36	43.34	-46.71	29.00	-69.63	-13.00	56.63	153	222	Vertical
4	3527.95	42.96	-46.02	29.47	-68.85	-13.00	55.85	247	96	Vertical
5	4233.54	41.29	-45.11	30.97	-68.11	-13.00	55.11	263	49	Vertical
6	4939.13	40.48	-45.09	32.45	-67.42	-13.00	54.42	215	253	Vertical



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Test Band = LTE Band 17_10MHz_TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1413.18	63.60	-48.70	25.41	-54.94	-13.00	41.94	186	46	Horizontal
2	2119.77	61.04	-47.85	27.14	-54.93	-13.00	41.93	225	159	Horizontal
3	2826.36	44.88	-46.71	29.01	-68.08	-13.00	55.08	176	319	Horizontal
4	3532.95	42.31	-46.01	29.48	-69.48	-13.00	56.48	293	128	Horizontal
5	4239.54	41.57	-45.11	30.98	-67.82	-13.00	54.82	247	190	Horizontal
6	4946.13	40.91	-45.09	32.47	-66.96	-13.00	53.96	153	360	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	1413.18	64.46	-48.70	25.41	-54.08	-13.00	41.08	174	95	Vertical
2	2119.77	62.39	-47.85	27.14	-53.58	-13.00	40.58	263	357	Vertical
3	2826.36	43.28	-46.71	29.01	-69.68	-13.00	56.68	295	328	Vertical
4	3532.95	43.09	-46.01	29.48	-68.70	-13.00	55.70	156	267	Vertical
5	4239.54	41.52	-45.11	30.98	-67.87	-13.00	54.87	172	32	Vertical
6	4946.13	41.08	-45.09	32.47	-66.79	-13.00	53.79	197	65	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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