

# Appendix B.10

## LTE Band 66



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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
Band66	1.4MHz	QPSK	131979	1RB#0	22.70	23.94	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	22.59	23.83	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	22.68	23.92	30	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	21.67	22.91	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	22.91	24.15	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.23	24.47	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	22.91	24.15	30	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.13	23.37	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	22.67	23.91	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	22.92	24.16	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	22.68	23.92	30	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	21.88	23.12	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	21.40	22.64	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	21.45	22.69	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	21.52	22.76	30	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	20.81	22.05	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	21.89	23.13	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	21.84	23.08	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.03	23.27	30	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	20.92	22.16	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	21.66	22.9	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.03	23.27	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	21.67	22.91	30	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	20.64	21.88	30	PASS
Band66	3MHz	QPSK	131987	1RB#0	22.60	23.84	30	PASS
Band66	3MHz	QPSK	131987	1RB#8	22.60	23.84	30	PASS
Band66	3MHz	QPSK	131987	1RB#14	22.98	24.22	30	PASS



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Band66	3MHz	QPSK	131987	15RB#0	21.82	23.06	30	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.14	24.38	30	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.05	24.29	30	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.09	24.33	30	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.11	23.35	30	PASS
Band66	3MHz	QPSK	132657	1RB#0	22.91	24.15	30	PASS
Band66	3MHz	QPSK	132657	1RB#8	22.85	24.09	30	PASS
Band66	3MHz	QPSK	132657	1RB#14	22.83	24.07	30	PASS
Band66	3MHz	QPSK	132657	15RB#0	21.86	23.1	30	PASS
Band66	3MHz	16QAM	131987	1RB#0	21.69	22.93	30	PASS
Band66	3MHz	16QAM	131987	1RB#8	21.40	22.64	30	PASS
Band66	3MHz	16QAM	131987	1RB#14	21.55	22.79	30	PASS
Band66	3MHz	16QAM	131987	15RB#0	20.90	22.14	30	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.03	23.27	30	PASS
Band66	3MHz	16QAM	132322	1RB#8	21.91	23.15	30	PASS
Band66	3MHz	16QAM	132322	1RB#14	21.96	23.2	30	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.04	22.28	30	PASS
Band66	3MHz	16QAM	132657	1RB#0	21.96	23.2	30	PASS
Band66	3MHz	16QAM	132657	1RB#8	21.56	22.8	30	PASS
Band66	3MHz	16QAM	132657	1RB#14	21.70	22.94	30	PASS
Band66	3MHz	16QAM	132657	15RB#0	20.95	22.19	30	PASS
Band66	5MHz	QPSK	131997	1RB#0	22.58	23.82	30	PASS
Band66	5MHz	QPSK	131997	1RB#12	22.76	24	30	PASS
Band66	5MHz	QPSK	131997	1RB#24	22.87	24.11	30	PASS
Band66	5MHz	QPSK	131997	25RB#0	21.71	22.95	30	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.03	24.27	30	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.35	24.59	30	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.07	24.31	30	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.17	23.41	30	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.04	24.28	30	PASS
Band66	5MHz	QPSK	132647	1RB#12	22.74	23.98	30	PASS
Band66	5MHz	QPSK	132647	1RB#24	22.84	24.08	30	PASS



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Band66	5MHz	QPSK	132647	25RB#0	21.79	23.03	30	PASS
Band66	5MHz	16QAM	131997	1RB#0	21.37	22.61	30	PASS
Band66	5MHz	16QAM	131997	1RB#12	21.64	22.88	30	PASS
Band66	5MHz	16QAM	131997	1RB#24	21.57	22.81	30	PASS
Band66	5MHz	16QAM	131997	25RB#0	20.81	22.05	30	PASS
Band66	5MHz	16QAM	132322	1RB#0	21.92	23.16	30	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.08	23.32	30	PASS
Band66	5MHz	16QAM	132322	1RB#24	21.95	23.19	30	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.21	22.45	30	PASS
Band66	5MHz	16QAM	132647	1RB#0	21.73	22.97	30	PASS
Band66	5MHz	16QAM	132647	1RB#12	21.62	22.86	30	PASS
Band66	5MHz	16QAM	132647	1RB#24	21.62	22.86	30	PASS
Band66	5MHz	16QAM	132647	25RB#0	20.78	22.02	30	PASS
Band66	10MHz	QPSK	132022	1RB#0	22.66	23.9	30	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.04	24.28	30	PASS
Band66	10MHz	QPSK	132022	1RB#49	22.96	24.2	30	PASS
Band66	10MHz	QPSK	132022	50RB#0	21.79	23.03	30	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.22	24.46	30	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.07	24.31	30	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.24	24.48	30	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.19	23.43	30	PASS
Band66	10MHz	QPSK	132622	1RB#0	22.84	24.08	30	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.13	24.37	30	PASS
Band66	10MHz	QPSK	132622	1RB#49	22.86	24.1	30	PASS
Band66	10MHz	QPSK	132622	50RB#0	21.89	23.13	30	PASS
Band66	10MHz	16QAM	132022	1RB#0	21.58	22.82	30	PASS
Band66	10MHz	16QAM	132022	1RB#24	21.72	22.96	30	PASS
Band66	10MHz	16QAM	132022	1RB#49	21.80	23.04	30	PASS
Band66	10MHz	16QAM	132022	50RB#0	20.97	22.21	30	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.12	23.36	30	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.63	23.87	30	PASS
Band66	10MHz	16QAM	132322	1RB#49	21.90	23.14	30	PASS



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Band66	10MHz	16QAM	132322	50RB#0	21.23	22.47	30	PASS
Band66	10MHz	16QAM	132622	1RB#0	21.59	22.83	30	PASS
Band66	10MHz	16QAM	132622	1RB#24	21.60	22.84	30	PASS
Band66	10MHz	16QAM	132622	1RB#49	21.61	22.85	30	PASS
Band66	10MHz	16QAM	132622	50RB#0	20.83	22.07	30	PASS
Band66	15MHz	QPSK	132047	1RB#0	22.68	23.92	30	PASS
Band66	15MHz	QPSK	132047	1RB#38	22.84	24.08	30	PASS
Band66	15MHz	QPSK	132047	1RB#74	22.90	24.14	30	PASS
Band66	15MHz	QPSK	132047	75RB#0	21.80	23.04	30	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.31	24.55	30	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.03	24.27	30	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.30	24.54	30	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.19	23.43	30	PASS
Band66	15MHz	QPSK	132597	1RB#0	22.76	24	30	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.05	24.29	30	PASS
Band66	15MHz	QPSK	132597	1RB#74	22.72	23.96	30	PASS
Band66	15MHz	QPSK	132597	75RB#0	21.93	23.17	30	PASS
Band66	15MHz	16QAM	132047	1RB#0	21.50	22.74	30	PASS
Band66	15MHz	16QAM	132047	1RB#38	21.65	22.89	30	PASS
Band66	15MHz	16QAM	132047	1RB#74	21.89	23.13	30	PASS
Band66	15MHz	16QAM	132047	75RB#0	20.85	22.09	30	PASS
Band66	15MHz	16QAM	132322	1RB#0	21.96	23.2	30	PASS
Band66	15MHz	16QAM	132322	1RB#38	21.98	23.22	30	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.00	23.24	30	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.22	22.46	30	PASS
Band66	15MHz	16QAM	132597	1RB#0	21.56	22.8	30	PASS
Band66	15MHz	16QAM	132597	1RB#38	21.70	22.94	30	PASS
Band66	15MHz	16QAM	132597	1RB#74	21.63	22.87	30	PASS
Band66	15MHz	16QAM	132597	75RB#0	20.91	22.15	30	PASS
Band66	20MHz	QPSK	132072	1RB#0	22.59	23.83	30	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.27	24.51	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	22.91	24.15	30	PASS



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Band66	20MHz	QPSK	132072	100RB#0	21.95	23.19	30	PASS
Band66	20MHz	QPSK	132322	1RB#0	23.26	24.5	30	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.10	24.34	30	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.16	24.4	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.22	23.46	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	22.78	24.02	30	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.22	24.46	30	PASS
Band66	20MHz	QPSK	132572	1RB#99	22.83	24.07	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	21.91	23.15	30	PASS
Band66	20MHz	16QAM	132072	1RB#0	21.44	22.68	30	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.60	23.84	30	PASS
Band66	20MHz	16QAM	132072	1RB#99	21.78	23.02	30	PASS
Band66	20MHz	16QAM	132072	100RB#0	20.98	22.22	30	PASS
Band66	20MHz	16QAM	132322	1RB#0	21.85	23.09	30	PASS
Band66	20MHz	16QAM	132322	1RB#49	21.90	23.14	30	PASS
Band66	20MHz	16QAM	132322	1RB#99	21.91	23.15	30	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.33	22.57	30	PASS
Band66	20MHz	16QAM	132572	1RB#0	21.61	22.85	30	PASS
Band66	20MHz	16QAM	132572	1RB#49	21.65	22.89	30	PASS
Band66	20MHz	16QAM	132572	1RB#99	21.65	22.89	30	PASS
Band66	20MHz	16QAM	132572	100RB#0	20.88	22.12	30	PASS



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### Field Strength of Spurious Radiation

Test Band = LTE Band66\_ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3422.25	78.09	-46.28	29.45	-34.00	-13.00	21.00	188	330	Horizontal
2	5106.2700	47.41	-45.36	32.94	-60.28	-13.00	47.28	195	0	Horizontal
3	6808.3600	46.40	-44.16	35.85	-57.17	-13.00	44.17	147	301	Horizontal
4	8510.4500	43.51	-41.59	37.56	-55.78	-13.00	42.78	126	147	Horizontal
5	10212.5400	37.20	-39.45	38.81	-58.69	-13.00	45.69	133	0	Horizontal
6	11914.6300	31.25	-37.18	38.88	-62.31	-13.00	49.31	261	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	3422.25	78.16	-46.28	29.45	-33.93	-13.00	20.93	199	194	Vertical
2	5106.2700	46.51	-45.36	32.94	-61.18	-13.00	48.18	148	270	Vertical
3	6808.3600	46.61	-44.16	35.85	-56.96	-13.00	43.96	125	133	Vertical
4	8510.4500	43.45	-41.59	37.56	-55.84	-13.00	42.84	162	147	Vertical
5	10212.5400	36.52	-39.45	38.81	-59.37	-13.00	46.37	144	239	Vertical
6	11914.6300	32.67	-37.18	38.88	-60.89	-13.00	47.89	133	285	Vertical



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Test Band = LTE Band66\_ 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	75.73	-46.27	29.50	-36.30	-13.00	23.30	214	163	Horizontal
2	5181.2700	48.14	-45.30	32.98	-59.44	-13.00	46.44	186	208	Horizontal
3	6908.3600	46.82	-44.05	35.97	-56.52	-13.00	43.52	125	133	Horizontal
4	8635.4500	41.80	-41.46	37.81	-57.11	-13.00	44.11	194	0	Horizontal
5	10362.5400	35.50	-39.04	38.85	-59.95	-13.00	46.95	125	254	Horizontal
6	12089.6300	32.86	-37.37	39.04	-60.73	-13.00	47.73	149	225	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	74.57	-46.27	29.50	-37.46	-13.00	24.46	215	192	Vertical
2	5181.2700	46.76	-45.30	32.98	-60.82	-13.00	47.82	136	0	Vertical
3	6908.3600	46.51	-44.05	35.97	-56.83	-13.00	43.83	255	5	Vertical
4	8635.4500	41.24	-41.46	37.81	-57.67	-13.00	44.67	194	86	Vertical
5	10362.5400	36.60	-39.04	38.85	-58.85	-13.00	45.85	178	283	Vertical
6	12089.6300	34.07	-37.37	39.04	-59.52	-13.00	46.52	194	0	Vertical



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Test Band = LTE Band66\_ TM1

Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3522	72.93	-46.23	29.54	-39.02	-13.00	26.02	245	146	Horizontal
2	5256.2700	47.88	-45.17	32.94	-59.62	-13.00	46.62	126	315	Horizontal
3	7008.3600	47.06	-43.61	36.10	-55.71	-13.00	42.71	133	329	Horizontal
4	8760.4500	41.34	-41.42	38.02	-57.33	-13.00	44.33	251	38	Horizontal
5	10512.5400	35.76	-38.76	38.97	-59.29	-13.00	46.29	148	284	Horizontal
6	12262.6300	32.87	-37.44	39.11	-60.72	-13.00	47.72	195	356	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	3522.75	73.73	-46.23	29.54	-38.22	-13.00	25.22	214	195	Vertical
2	5256.2700	47.56	-45.17	32.94	-59.94	-13.00	46.94	155	2	Vertical
3	7008.3600	45.93	-43.61	36.10	-56.84	-13.00	43.84	169	208	Vertical
4	8760.4500	40.34	-41.42	38.02	-58.33	-13.00	45.33	185	118	Vertical
5	10512.5400	35.11	-38.76	38.97	-59.94	-13.00	46.94	147	14	Vertical
6	12262.6300	32.39	-37.44	39.11	-61.20	-13.00	48.20	126	357	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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