

# Appendix B.16

## 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	23.52	24.99	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	23.65	25.12	30.00	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	23.59	25.06	30.00	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.59	24.06	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.56	25.03	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	23.63	25.10	30.00	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	23.59	25.06	30.00	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	22.67	24.14	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.58	25.05	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.70	25.17	30.00	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.59	25.06	30.00	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	22.67	24.14	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	22.91	24.38	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	22.90	24.37	30.00	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	22.76	24.23	30.00	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.69	23.16	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	22.80	24.27	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	22.86	24.33	30.00	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	22.86	24.33	30.00	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	21.71	23.18	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.80	24.27	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	22.85	24.32	30.00	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.77	24.24	30.00	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.79	23.26	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.60	25.07	30.00	PASS



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Band66	3MHz	QPSK	131987	1RB#8	23.61	25.08	30.00	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.58	25.05	30.00	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.64	24.11	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.60	25.07	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#8	23.62	25.09	30.00	PASS
Band66	3MHz	QPSK	132322	1RB#14	23.62	25.09	30.00	PASS
Band66	3MHz	QPSK	132322	15RB#0	22.70	24.17	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.61	25.08	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.63	25.10	30.00	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.62	25.09	30.00	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.67	24.14	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.79	24.26	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#8	22.93	24.40	30.00	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.86	24.33	30.00	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.66	23.13	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.86	24.33	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.90	24.37	30.00	PASS
Band66	3MHz	16QAM	132322	1RB#14	22.86	24.33	30.00	PASS
Band66	3MHz	16QAM	132322	15RB#0	21.68	23.15	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.90	24.37	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#8	22.87	24.34	30.00	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.83	24.30	30.00	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.73	23.20	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.59	25.06	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.64	25.11	30.00	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.62	25.09	30.00	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.64	24.11	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.61	25.08	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#12	23.64	25.11	30.00	PASS
Band66	5MHz	QPSK	132322	1RB#24	23.63	25.10	30.00	PASS
Band66	5MHz	QPSK	132322	25RB#0	22.69	24.16	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#0	23.54	25.01	30.00	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.62	25.09	30.00	PASS



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Band66	5MHz	QPSK	132647	1RB#24	23.59	25.06	30.00	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.69	24.16	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.85	24.32	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.94	24.41	30.00	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.94	24.41	30.00	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.66	23.13	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#0	22.88	24.35	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#12	22.81	24.28	30.00	PASS
Band66	5MHz	16QAM	132322	1RB#24	22.91	24.38	30.00	PASS
Band66	5MHz	16QAM	132322	25RB#0	21.67	23.14	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.87	24.34	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#12	22.84	24.31	30.00	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.71	24.18	30.00	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.71	23.18	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.60	25.07	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.65	25.12	30.00	PASS
Band66	10MHz	QPSK	132022	1RB#49	23.65	25.12	30.00	PASS
Band66	10MHz	QPSK	132022	50RB#0	22.65	24.12	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#0	23.59	25.06	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#24	23.67	25.14	30.00	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.67	25.14	30.00	PASS
Band66	10MHz	QPSK	132322	50RB#0	22.68	24.15	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.56	25.03	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#24	23.60	25.07	30.00	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.58	25.05	30.00	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.67	24.14	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#0	22.82	24.29	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#24	22.96	24.43	30.00	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.83	24.30	30.00	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.66	23.13	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.76	24.23	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#24	22.80	24.27	30.00	PASS
Band66	10MHz	16QAM	132322	1RB#49	22.95	24.42	30.00	PASS



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Band66	10MHz	16QAM	132322	50RB#0	21.68	23.15	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#0	22.75	24.22	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#24	22.85	24.32	30.00	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.87	24.34	30.00	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.65	23.12	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#0	23.55	25.02	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.65	25.12	30.00	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.63	25.10	30.00	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.68	24.15	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#0	23.49	24.96	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.65	25.12	30.00	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.68	25.15	30.00	PASS
Band66	15MHz	QPSK	132322	75RB#0	22.68	24.15	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.47	24.94	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.56	25.03	30.00	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.61	25.08	30.00	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.64	24.11	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#0	22.87	24.34	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#38	23.06	24.53	30.00	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.98	24.45	30.00	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.68	23.15	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#0	22.80	24.27	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#38	22.86	24.33	30.00	PASS
Band66	15MHz	16QAM	132322	1RB#74	22.94	24.41	30.00	PASS
Band66	15MHz	16QAM	132322	75RB#0	21.63	23.10	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.72	24.19	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.80	24.27	30.00	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.81	24.28	30.00	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.65	23.12	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.49	24.96	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#49	23.62	25.09	30.00	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.59	25.06	30.00	PASS
Band66	20MHz	QPSK	132072	100RB#0	22.67	24.14	30.00	PASS



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Band66	20MHz	QPSK	132322	1RB#0	23.48	24.95	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.62	25.09	30.00	PASS
Band66	20MHz	QPSK	132322	1RB#99	23.71	25.18	30.00	PASS
Band66	20MHz	QPSK	132322	100RB#0	22.68	24.15	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#0	23.40	24.87	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#49	23.49	24.96	30.00	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.62	25.09	30.00	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.64	24.11	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.69	24.16	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#49	22.92	24.39	30.00	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.88	24.35	30.00	PASS
Band66	20MHz	16QAM	132072	100RB#0	21.66	23.13	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#0	22.76	24.23	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#49	22.88	24.35	30.00	PASS
Band66	20MHz	16QAM	132322	1RB#99	22.97	24.44	30.00	PASS
Band66	20MHz	16QAM	132322	100RB#0	21.68	23.15	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#0	22.57	24.04	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#49	22.88	24.35	30.00	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.85	24.32	30.00	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.57	23.04	30.00	PASS



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## Field Strength of Spurious Radiation

Test Band = LTE\_66\_20MHz\_TM1

Test Channel = LCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2997.9998	38.46	-16.79	29.78	-43.81	-13.00	30.81	234	236	Horizontal
2	3422.2711	55.60	-50.15	29.71	-60.10	-13.00	47.10	189	324	Horizontal
3	6844.6922	51.63	-45.09	36.12	-52.60	-13.00	39.60	239	40	Horizontal
4	8866.0433	48.38	-42.56	38.50	-50.94	-13.00	37.94	224	251	Horizontal
5	11901.4451	46.81	-37.73	39.50	-46.68	-13.00	33.68	149	11	Horizontal
6	17996.9998	48.72	-44.12	42.78	-47.88	-13.00	34.88	325	280	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2998.2498	37.82	-16.79	29.78	-44.45	-13.00	31.45	278	298	Vertical
2	3422.2711	57.30	-50.15	29.71	-58.40	-13.00	45.40	256	310	Vertical
3	5133.1067	55.53	-47.09	33.57	-53.25	-13.00	40.25	332	201	Vertical
4	6844.6922	59.71	-45.09	36.12	-44.52	-13.00	31.52	214	158	Vertical
5	11977.9489	48.84	-38.60	39.42	-45.60	-13.00	32.60	254	158	Vertical
6	17993.9997	49.36	-44.04	42.76	-47.18	-13.00	34.18	179	260	Vertical



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Test Band = LTE\_66\_20MHz\_TM1

Test Channel = MCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2981.9978	37.69	-16.83	29.62	-44.78	-13.00	31.78	274	280	Horizontal
2	3472.5236	53.84	-49.63	29.69	-61.36	-13.00	48.36	196	266	Horizontal
3	5478.8739	50.05	-45.50	33.23	-57.48	-13.00	44.48	332	74	Horizontal
4	6944.4472	52.09	-44.49	36.38	-51.28	-13.00	38.28	251	45	Horizontal
5	11914.1957	47.58	-37.93	39.49	-46.12	-13.00	33.12	148	300	Horizontal
6	17993.9997	49.10	-44.04	42.76	-47.44	-13.00	34.44	253	133	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2988.4986	37.95	-16.81	29.68	-44.44	-13.00	31.44	332	52	Vertical
2	3472.5236	56.04	-49.63	29.69	-59.16	-13.00	46.16	254	308	Vertical
3	5208.1104	54.02	-46.42	32.48	-55.18	-13.00	42.18	147	299	Vertical
4	6944.4472	60.04	-44.49	36.38	-43.33	-13.00	30.33	225	284	Vertical
5	10416.3708	48.81	-40.31	38.70	-48.06	-13.00	35.06	325	108	Vertical
6	11921.6961	47.37	-38.05	39.48	-46.46	-13.00	33.46	149	69	Vertical



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**Test Band = LTE\_66\_20MHz\_TM1**  
**Test Channel = HCH**

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2991.4989	37.99	-16.81	29.71	-44.37	-13.00	31.37	345	158	Horizontal
2	3522.0261	55.87	-49.33	29.93	-58.79	-13.00	45.79	228	335	Horizontal
3	6006.9003	51.06	-45.58	34.49	-55.29	-13.00	42.29	257	183	Horizontal
4	7044.2022	51.75	-44.86	36.32	-52.05	-13.00	39.05	148	41	Horizontal
5	11905.1953	46.99	-37.79	39.49	-46.57	-13.00	33.57	229	20	Horizontal
6	17912.9956	48.72	-42.98	42.28	-47.24	-13.00	34.24	216	340	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2997.7497	37.90	-16.79	29.78	-44.37	-13.00	31.37	336	127	Vertical
2	3522.0261	59.73	-49.33	29.93	-54.93	-13.00	41.93	254	198	Vertical
3	5283.1142	54.25	-46.61	33.27	-54.35	-13.00	41.35	188	207	Vertical
4	7044.2022	59.31	-44.86	36.32	-44.49	-13.00	31.49	255	286	Vertical
5	10566.3783	50.56	-40.49	39.27	-45.92	-13.00	32.92	322	79	Vertical
6	14088.5544	51.66	-40.13	40.68	-43.05	-13.00	30.05	149	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---

