

# Appendix B.10

## LTE Band 25



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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
Band25	1.4MHz	QPSK	26047	1RB#0	23.53	23.78	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	23.58	23.83	33.00	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	23.49	23.74	33.00	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	22.53	22.78	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	23.41	23.66	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	23.55	23.80	33.00	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	23.41	23.66	33.00	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	22.50	22.75	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	23.56	23.81	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	23.68	23.93	33.00	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	23.58	23.83	33.00	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	22.71	22.96	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	22.86	23.11	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	22.80	23.05	33.00	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.82	23.07	33.00	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	21.65	21.90	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	22.67	22.92	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	22.67	22.92	33.00	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	22.72	22.97	33.00	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	21.61	21.86	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	22.93	23.18	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	22.96	23.21	33.00	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	22.80	23.05	33.00	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	21.80	22.05	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#0	23.50	23.75	33.00	PASS



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Band25	3MHz	QPSK	26055	1RB#8	23.54	23.79	33.00	PASS
Band25	3MHz	QPSK	26055	1RB#14	23.52	23.77	33.00	PASS
Band25	3MHz	QPSK	26055	15RB#0	22.65	22.90	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#0	23.46	23.71	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#8	23.53	23.78	33.00	PASS
Band25	3MHz	QPSK	26365	1RB#14	23.53	23.78	33.00	PASS
Band25	3MHz	QPSK	26365	15RB#0	22.58	22.83	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#0	23.65	23.90	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#8	23.67	23.92	33.00	PASS
Band25	3MHz	QPSK	26675	1RB#14	23.59	23.84	33.00	PASS
Band25	3MHz	QPSK	26675	15RB#0	22.82	22.97	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#0	22.75	23.00	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#8	22.90	23.15	33.00	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.89	23.14	33.00	PASS
Band25	3MHz	16QAM	26055	15RB#0	21.69	21.94	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#0	22.75	23.00	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#8	22.87	23.12	33.00	PASS
Band25	3MHz	16QAM	26365	1RB#14	22.80	23.05	33.00	PASS
Band25	3MHz	16QAM	26365	15RB#0	21.64	21.89	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#0	22.95	23.20	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#8	22.96	23.21	33.00	PASS
Band25	3MHz	16QAM	26675	1RB#14	22.79	23.04	33.00	PASS
Band25	3MHz	16QAM	26675	15RB#0	21.83	22.08	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#0	23.58	23.83	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#12	23.61	23.86	33.00	PASS
Band25	5MHz	QPSK	26065	1RB#24	23.55	23.80	33.00	PASS
Band25	5MHz	QPSK	26065	25RB#0	22.60	22.85	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#0	23.56	23.81	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#12	23.55	23.80	33.00	PASS
Band25	5MHz	QPSK	26365	1RB#24	23.58	23.83	33.00	PASS
Band25	5MHz	QPSK	26365	25RB#0	22.60	22.85	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#0	23.69	23.94	33.00	PASS
Band25	5MHz	QPSK	26665	1RB#12	23.70	23.95	33.00	PASS



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Band25	5MHz	QPSK	26665	1RB#24	23.65	23.90	33.00	PASS
Band25	5MHz	QPSK	26665	25RB#0	22.79	23.04	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#0	22.82	23.07	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.78	23.03	33.00	PASS
Band25	5MHz	16QAM	26065	1RB#24	22.73	22.98	33.00	PASS
Band25	5MHz	16QAM	26065	25RB#0	21.62	21.87	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#0	22.84	23.09	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#12	22.77	23.02	33.00	PASS
Band25	5MHz	16QAM	26365	1RB#24	22.85	23.10	33.00	PASS
Band25	5MHz	16QAM	26365	25RB#0	21.66	21.91	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#0	23.00	23.25	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#12	23.01	23.26	33.00	PASS
Band25	5MHz	16QAM	26665	1RB#24	22.93	23.18	33.00	PASS
Band25	5MHz	16QAM	26665	25RB#0	21.80	22.05	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#0	23.57	23.82	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#24	23.59	23.84	33.00	PASS
Band25	10MHz	QPSK	26090	1RB#49	23.51	23.76	33.00	PASS
Band25	10MHz	QPSK	26090	50RB#0	22.62	22.87	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#0	23.56	23.81	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#24	23.57	23.82	33.00	PASS
Band25	10MHz	QPSK	26365	1RB#49	23.58	23.83	33.00	PASS
Band25	10MHz	QPSK	26365	50RB#0	22.64	22.89	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#0	23.68	23.93	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#24	23.72	23.97	33.00	PASS
Band25	10MHz	QPSK	26640	1RB#49	23.62	23.87	33.00	PASS
Band25	10MHz	QPSK	26640	50RB#0	22.85	23.10	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.89	23.14	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#24	22.86	23.11	33.00	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.85	23.10	33.00	PASS
Band25	10MHz	16QAM	26090	50RB#0	21.65	21.90	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#0	22.90	23.15	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#24	22.84	23.09	33.00	PASS
Band25	10MHz	16QAM	26365	1RB#49	22.96	23.21	33.00	PASS



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Band25	10MHz	16QAM	26365	50RB#0	21.66	21.91	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#0	23.02	23.27	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#24	23.01	23.26	33.00	PASS
Band25	10MHz	16QAM	26640	1RB#49	22.86	23.11	33.00	PASS
Band25	10MHz	16QAM	26640	50RB#0	21.90	22.15	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#0	23.51	23.76	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#38	23.58	23.83	33.00	PASS
Band25	15MHz	QPSK	26115	1RB#74	23.48	23.73	33.00	PASS
Band25	15MHz	QPSK	26115	75RB#0	22.63	22.88	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#0	23.51	23.76	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#38	23.54	23.79	33.00	PASS
Band25	15MHz	QPSK	26365	1RB#74	23.59	23.84	33.00	PASS
Band25	15MHz	QPSK	26365	75RB#0	22.64	22.89	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#0	23.60	23.85	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#38	23.74	23.99	33.00	PASS
Band25	15MHz	QPSK	26615	1RB#74	23.65	23.90	33.00	PASS
Band25	15MHz	QPSK	26615	75RB#0	22.77	23.02	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#0	22.80	23.05	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#38	22.86	23.11	33.00	PASS
Band25	15MHz	16QAM	26115	1RB#74	22.67	22.92	33.00	PASS
Band25	15MHz	16QAM	26115	75RB#0	21.65	21.90	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#0	22.77	23.02	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#38	22.90	23.15	33.00	PASS
Band25	15MHz	16QAM	26365	1RB#74	22.94	23.19	33.00	PASS
Band25	15MHz	16QAM	26365	75RB#0	21.68	21.93	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#0	22.89	23.14	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#38	23.10	23.35	33.00	PASS
Band25	15MHz	16QAM	26615	1RB#74	22.95	23.20	33.00	PASS
Band25	15MHz	16QAM	26615	75RB#0	21.82	22.07	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#0	23.51	23.76	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#49	23.53	23.78	33.00	PASS
Band25	20MHz	QPSK	26140	1RB#99	23.49	23.74	33.00	PASS
Band25	20MHz	QPSK	26140	100RB#0	22.64	22.89	33.00	PASS



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Band25	20MHz	QPSK	26365	1RB#0	23.43	23.68	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#49	23.53	23.78	33.00	PASS
Band25	20MHz	QPSK	26365	1RB#99	23.57	23.82	33.00	PASS
Band25	20MHz	QPSK	26365	100RB#0	22.66	22.91	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#0	23.49	23.74	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#49	23.71	23.96	33.00	PASS
Band25	20MHz	QPSK	26590	1RB#99	23.66	23.91	33.00	PASS
Band25	20MHz	QPSK	26590	100RB#0	22.77	23.02	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#0	22.71	22.96	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#49	22.83	23.08	33.00	PASS
Band25	20MHz	16QAM	26140	1RB#99	22.75	23.00	33.00	PASS
Band25	20MHz	16QAM	26140	100RB#0	21.61	21.86	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.75	23.00	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#49	22.88	23.13	33.00	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.83	23.08	33.00	PASS
Band25	20MHz	16QAM	26365	100RB#0	21.66	21.91	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#0	22.86	23.11	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#49	22.99	23.24	33.00	PASS
Band25	20MHz	16QAM	26590	1RB#99	23.00	23.25	33.00	PASS
Band25	20MHz	16QAM	26590	100RB#0	21.80	22.05	33.00	PASS



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### Field Strength of Spurious Radiation

Test Band = LTE\_25\_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	1182.5228	23.87	-19.26	25.70	-64.95	-13.00	51.95	181	113	Horizontal
2	3622.5311	52.33	-49.41	30.29	-62.05	-13.00	49.05	323	255	Horizontal
3	5505.8753	50.96	-45.46	33.11	-56.65	-13.00	43.65	256	53	Horizontal
4	8545.0273	47.95	-42.32	38.98	-50.65	-13.00	37.65	184	19	Horizontal
5	11951.6976	47.89	-38.50	39.45	-46.42	-13.00	33.42	328	315	Horizontal
6	17912.2456	48.30	-42.98	42.27	-47.67	-13.00	34.67	169	285	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	3702.0351	53.71	-50.00	30.31	-61.24	-13.00	48.24	191	0	Vertical
2	5553.1277	52.37	-45.47	33.21	-55.15	-13.00	42.15	160	10	Vertical
3	7404.2202	52.74	-44.09	36.79	-49.82	-13.00	36.82	330	271	Vertical
4	8557.0279	48.75	-42.32	38.97	-49.86	-13.00	36.86	111	324	Vertical
5	11106.4053	49.67	-39.67	39.42	-45.84	-13.00	32.84	314	236	Vertical
6	17905.4953	48.21	-42.98	42.23	-47.80	-13.00	34.80	279	344	Vertical



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Test Band = LTE\_25\_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	3616.5308	52.72	-49.47	30.27	-61.74	-13.00	48.74	226	130	Horizontal
2	5526.1263	50.73	-45.46	33.15	-56.84	-13.00	43.84	146	81	Horizontal
3	7484.4742	50.80	-43.28	36.63	-51.11	-13.00	38.11	169	315	Horizontal
4	9012.3006	48.98	-41.70	38.78	-49.20	-13.00	36.20	316	330	Horizontal
5	11226.4113	48.84	-39.38	39.67	-46.13	-13.00	33.13	264	159	Horizontal
6	17996.2498	49.21	-44.10	42.78	-47.37	-13.00	34.37	231	246	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	3741.7871	55.02	-49.47	30.47	-59.24	-13.00	46.24	247	198	Vertical
2	5613.1307	55.17	-45.52	33.37	-52.24	-13.00	39.24	213	207	Vertical
3	7484.4742	59.14	-43.28	36.63	-42.77	-13.00	29.77	380	95	Vertical
4	9355.8178	50.39	-41.58	38.52	-47.93	-13.00	34.93	285	56	Vertical
5	11226.4113	53.36	-39.38	39.67	-41.61	-13.00	28.61	220	232	Vertical
6	15649.3825	45.78	-39.04	39.15	-49.37	-13.00	36.37	198	100	Vertical



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**Test Band = LTE\_25\_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	3620.281	53.03	-49.44	30.28	-61.39	-13.00	48.39	108	236	Horizontal
2	5688.1344	51.56	-44.84	33.45	-55.09	-13.00	42.09	248	296	Horizontal
3	7584.2292	49.86	-43.51	36.73	-52.18	-13.00	39.18	225	143	Horizontal
4	9040.052	48.50	-41.83	38.72	-49.87	-13.00	36.87	361	153	Horizontal
5	11376.4188	49.07	-39.31	39.68	-45.82	-13.00	32.82	231	158	Horizontal
6	14049.5525	46.68	-39.76	40.60	-47.74	-13.00	34.74	149	26	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	3792.0396	55.79	-49.53	30.50	-58.50	-13.00	45.50	141	285	Vertical
2	5688.1344	56.98	-44.84	33.45	-49.67	-13.00	36.67	156	211	Vertical
3	7584.2292	58.11	-43.51	36.73	-43.93	-13.00	30.93	326	275	Vertical
4	9480.324	50.94	-41.44	39.12	-46.64	-13.00	33.64	356	192	Vertical
5	11376.4188	54.53	-39.31	39.68	-40.36	-13.00	27.36	196	78	Vertical
6	15168.6084	47.20	-39.61	39.66	-48.01	-13.00	35.01	285	113	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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