

Appendix B.12

LTE Band 26(824-849)



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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
Band26	1.4MHz	QPSK	26797	1RB#0	23.53	24.25	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#2	23.57	24.29	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#5	23.48	24.20	38.45	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	22.58	23.30	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	23.59	24.31	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#2	23.58	24.30	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#5	23.52	24.24	38.45	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	22.70	23.42	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	23.58	24.30	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#2	23.65	24.37	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	23.54	24.26	38.45	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	22.72	23.44	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	22.79	23.51	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#2	22.88	23.60	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#5	22.71	23.43	38.45	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	21.71	22.43	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	22.75	23.47	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#2	22.77	23.49	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#5	22.70	23.42	38.45	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	21.77	22.49	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	22.75	23.47	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#2	22.84	23.56	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#5	22.81	23.53	38.45	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	21.68	22.40	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#0	23.58	24.30	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#8	23.54	24.26	38.45	PASS



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Band26	3MHz	QPSK	26805	1RB#14	23.50	24.22	38.45	PASS
Band26	3MHz	QPSK	26805	15RB#0	22.67	23.39	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#0	23.62	24.34	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#8	23.64	24.36	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#14	23.56	24.28	38.45	PASS
Band26	3MHz	QPSK	26915	15RB#0	22.71	23.43	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#0	23.69	24.41	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#8	23.63	24.35	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#14	23.60	24.32	38.45	PASS
Band26	3MHz	QPSK	27025	15RB#0	22.76	23.48	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#0	22.83	23.55	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#8	22.78	23.50	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#14	22.83	23.55	38.45	PASS
Band26	3MHz	16QAM	26805	15RB#0	21.69	22.41	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#0	22.94	23.66	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#8	22.94	23.66	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#14	22.84	23.56	38.45	PASS
Band26	3MHz	16QAM	26915	15RB#0	21.76	22.48	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#0	22.83	23.55	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#8	22.91	23.63	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#14	22.85	23.57	38.45	PASS
Band26	3MHz	16QAM	27025	15RB#0	21.76	22.48	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#0	23.62	24.34	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#12	23.57	24.29	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#24	23.63	24.35	38.45	PASS
Band26	5MHz	QPSK	26815	25RB#0	22.73	23.45	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#0	23.67	24.39	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#12	23.60	24.32	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#24	23.71	24.43	38.45	PASS
Band26	5MHz	QPSK	26915	25RB#0	22.72	23.44	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#0	23.70	24.42	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#12	23.65	24.37	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#24	23.63	24.35	38.45	PASS



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Band26	5MHz	QPSK	27015	25RB#0	22.74	23.46	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#0	22.85	23.57	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#12	22.90	23.62	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#24	22.95	23.67	38.45	PASS
Band26	5MHz	16QAM	26815	25RB#0	21.75	22.47	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#0	22.94	23.66	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#12	22.98	23.70	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#24	23.02	23.74	38.45	PASS
Band26	5MHz	16QAM	26915	25RB#0	21.73	22.45	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#0	22.96	23.68	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#12	22.95	23.67	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#24	22.82	23.54	38.45	PASS
Band26	5MHz	16QAM	27015	25RB#0	21.78	22.50	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#0	23.62	24.34	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#24	23.69	24.41	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#49	23.60	24.32	38.45	PASS
Band26	10MHz	QPSK	26840	50RB#0	22.76	23.48	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#0	23.67	24.39	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#24	23.64	24.36	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#49	23.70	24.42	38.45	PASS
Band26	10MHz	QPSK	26915	50RB#0	22.71	23.43	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#0	23.75	24.47	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#24	23.75	24.47	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#49	23.66	24.38	38.45	PASS
Band26	10MHz	QPSK	26990	50RB#0	22.79	23.51	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#0	22.88	23.60	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#24	22.97	23.69	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#49	22.87	23.59	38.45	PASS
Band26	10MHz	16QAM	26840	50RB#0	21.78	22.50	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#0	22.94	23.66	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#24	22.82	23.54	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#49	22.85	23.57	38.45	PASS
Band26	10MHz	16QAM	26915	50RB#0	21.74	22.46	38.45	PASS



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Band26	10MHz	16QAM	26990	1RB#0	23.05	23.77	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#24	23.00	23.72	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#49	22.79	23.51	38.45	PASS
Band26	10MHz	16QAM	26990	50RB#0	21.82	22.54	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#0	23.61	24.33	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#38	23.70	24.42	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#74	23.62	24.34	38.45	PASS
Band26	15MHz	QPSK	26865	75RB#0	22.74	23.46	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#0	23.69	24.41	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#38	23.63	24.35	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#74	23.71	24.43	38.45	PASS
Band26	15MHz	QPSK	26915	75RB#0	22.68	23.40	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#0	23.68	24.40	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#38	23.75	24.47	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#74	23.60	24.32	38.45	PASS
Band26	15MHz	QPSK	26965	75RB#0	22.66	23.38	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#0	22.87	23.59	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#38	22.87	23.59	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#74	22.90	23.62	38.45	PASS
Band26	15MHz	16QAM	26865	75RB#0	21.77	22.49	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#0	23.00	23.72	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#38	22.87	23.59	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#74	23.02	23.74	38.45	PASS
Band26	15MHz	16QAM	26915	75RB#0	21.73	22.45	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#0	22.94	23.66	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#38	23.02	23.74	38.45	PASS
Band26	15MHz	16QAM	26965	1RB#74	22.82	23.54	38.45	PASS
Band26	15MHz	16QAM	26965	75RB#0	21.70	22.42	38.45	PASS



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Field Strength of Spurious Radiation

Test Band = LTE_26_TM1

Test Channel = 15MHz_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	1649.8325	70.55	-52.87	25.90	-51.68	-13.00	38.68	125	193	Horizontal
2	2201.5601	54.08	-51.93	27.69	-65.42	-13.00	52.42	366	207	Horizontal
3	3818.9409	52.81	-48.19	30.46	-60.18	-13.00	47.18	287	267	Horizontal
4	5125.3563	51.11	-44.18	33.55	-54.78	-13.00	41.78	149	351	Horizontal
5	7348.0174	48.73	-42.85	36.91	-52.47	-13.00	39.47	321	141	Horizontal
6	9977.4989	47.87	-39.57	38.69	-48.27	-13.00	35.27	119	321	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	1649.8325	65.47	-52.87	25.90	-56.76	-13.00	43.76	289	130	Vertical
2	2106.6053	54.77	-52.11	27.49	-65.11	-13.00	52.11	362	144	Vertical
3	3295.1148	52.56	-49.74	30.69	-61.75	-13.00	48.75	244	144	Vertical
4	5506.9753	50.75	-43.19	33.11	-54.59	-13.00	41.59	221	90	Vertical
5	7915.9458	49.21	-42.30	37.43	-50.92	-13.00	37.92	179	144	Vertical
6	9009.5005	49.14	-40.71	38.78	-48.05	-13.00	35.05	220	344	Vertical



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Test Band = LTE_26_TM1
 Test Channel = 15MHz_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	1659.733	67.33	-52.83	25.88	-54.88	-13.00	41.88	216	206	Horizontal
2	2197.5099	53.70	-51.94	27.69	-65.81	-13.00	52.81	332	329	Horizontal
3	3285.2143	52.96	-49.77	30.67	-61.40	-13.00	48.40	221	162	Horizontal
4	5133.9067	51.08	-44.23	33.57	-54.84	-13.00	41.84	151	261	Horizontal
5	7456.9228	49.62	-42.80	36.69	-51.75	-13.00	38.75	178	231	Horizontal
6	9739.887	46.85	-38.94	38.78	-48.57	-13.00	35.57	263	187	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	1659.733	65.19	-52.83	25.88	-57.02	-13.00	44.02	346	192	Vertical
2	2548.0774	53.69	-50.91	28.29	-64.19	-13.00	51.19	221	354	Vertical
3	3633.0817	53.35	-49.33	30.33	-60.91	-13.00	47.91	334	325	Vertical
4	5132.1066	51.32	-44.22	33.56	-54.60	-13.00	41.60	147	119	Vertical
5	7375.4688	49.18	-42.66	36.85	-51.89	-13.00	38.89	256	226	Vertical
6	9602.6301	47.10	-39.38	39.18	-48.36	-13.00	35.36	298	197	Vertical



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Test Band = LTE_26_TM1
Test Channel = 15MHz_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	1669.6335	62.70	-52.78	25.86	-59.48	-13.00	46.48	189	187	Horizontal
2	2545.3773	53.43	-50.93	28.27	-64.49	-13.00	51.49	152	80	Horizontal
3	3558.8279	52.30	-49.05	30.12	-61.89	-13.00	48.89	214	114	Horizontal
4	4979.099	51.51	-44.04	33.14	-54.65	-13.00	41.65	221	314	Horizontal
5	7373.2187	49.11	-42.67	36.85	-51.97	-13.00	38.97	146	163	Horizontal
6	9048.6524	48.24	-40.10	38.70	-48.42	-13.00	35.42	398	20	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	1669.6335	64.74	-52.78	25.86	-57.44	-13.00	44.44	301	221	Vertical
2	2877.0439	53.07	-50.46	29.01	-63.64	-13.00	50.64	299	103	Vertical
3	3941.7971	52.04	-47.97	30.85	-60.34	-13.00	47.34	224	182	Vertical
4	5142.4571	50.95	-44.28	33.58	-55.01	-13.00	42.01	148	152	Vertical
5	7576.1788	49.06	-42.06	36.75	-51.51	-13.00	38.51	226	266	Vertical
6	9723.2362	47.13	-39.09	38.75	-48.47	-13.00	35.47	321	305	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---

