

Report No.: SEWM2211000245RG01

Rev.: 01

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Appendix B.7

LTE Band 14



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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
Band14	5MHz	QPSK	23305	1RB#0	22.92	18.77	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#12	22.94	18.79	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#24	22.94	18.79	34.77	PASS
Band14	5MHz	QPSK	23305	25RB#0	22.14	17.99	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#0	22.94	18.79	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#12	22.98	18.83	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#24	22.96	18.81	34.77	PASS
Band14	5MHz	QPSK	23330	25RB#0	22.04	17.89	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#0	22.88	18.73	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#12	22.92	18.77	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#24	22.88	18.73	34.77	PASS
Band14	5MHz	QPSK	23355	25RB#0	22.01	17.86	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#0	22.26	18.11	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#12	22.20	18.05	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#24	22.18	18.03	34.77	PASS
Band14	5MHz	16QAM	23305	25RB#0	21.16	17.01	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#0	22.26	18.11	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#12	22.30	18.15	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#24	22.20	18.05	34.77	PASS
Band14	5MHz	16QAM	23330	25RB#0	21.13	16.98	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#0	22.23	18.08	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#12	22.20	18.05	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#24	22.12	17.97	34.77	PASS
Band14	5MHz	16QAM	23355	25RB#0	21.04	16.89	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#0	22.92	18.77	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#24	23.02	18.87	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#49	23.36	19.21	34.77	PASS



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Band14	10MHz	QPSK	23330	50RB#0	22.14	17.99	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#0	21.84	17.69	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#24	21.87	17.72	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#49	22.14	17.99	34.77	PASS
Band14	10MHz	16QAM	23330	50RB#0	21.24	17.09	34.77	PASS



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Field Strength of Spurious Radiation

Test Band = LTE Band 14 BW 10M_ 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	1577.18	62.40	-48.51	25.58	-55.80	-40.00	15.80	241	357	Horizontal
2	2365.77	45.71	-47.60	27.63	-69.52	-13.00	56.52	174	306	Horizontal
3	3154.36	44.26	-46.39	29.54	-67.85	-13.00	54.85	142	346	Horizontal
4	3942.95	41.97	-45.52	30.46	-68.34	-13.00	55.34	263	228	Horizontal
5	4731.54	41.76	-44.57	31.96	-66.11	-13.00	53.11	295	359	Horizontal
6	5520.13	41.61	-43.76	32.67	-64.74	-13.00	51.74	287	130	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	1577.18	54.82	-48.51	25.58	-63.38	-40.00	23.38	258	25	Vertical
2	2365.77	46.24	-47.60	27.63	-68.99	-13.00	55.99	263	0	Vertical
3	3154.36	44.10	-46.39	29.54	-68.01	-13.00	55.01	254	346	Vertical
4	3942.95	41.55	-45.52	30.46	-68.76	-13.00	55.76	142	25	Vertical
5	4731.54	42.35	-44.57	31.96	-65.52	-13.00	52.52	201	331	Vertical
6	5520.13	42.33	-43.76	32.67	-64.02	-13.00	51.02	175	358	Vertical



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Test Band = LTE Band 14 BW 5M_ 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	1576.68	47.72	-48.51	25.58	-70.48	-40.00	30.48	259	359	Horizontal
2	2365.02	45.58	-47.60	27.63	-69.65	-13.00	56.65	241	166	Horizontal
3	3153.36	43.93	-46.39	29.54	-68.19	-13.00	55.19	174	90	Horizontal
4	3941.7	40.72	-45.52	30.46	-69.60	-13.00	56.60	142	150	Horizontal
5	4730.04	41.19	-44.57	31.95	-66.69	-13.00	53.69	252	90	Horizontal
6	5518.38	41.56	-43.76	32.66	-64.80	-13.00	51.80	263	212	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	1576.68	46.06	-48.51	25.58	-72.14	-40.00	32.14	174	0	Vertical
2	2365.02	45.34	-47.60	27.63	-69.89	-13.00	56.89	145	223	Vertical
3	3153.36	44.29	-46.39	29.54	-67.83	-13.00	54.83	286	178	Vertical
4	3941.7	41.35	-45.52	30.46	-68.97	-13.00	55.97	263	0	Vertical
5	4730.04	41.07	-44.57	31.95	-66.81	-13.00	53.81	255	178	Vertical
6	5518.38	42.39	-43.76	32.66	-63.97	-13.00	50.97	142	270	Vertical



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Test Band = LTE Band 14 BW 5M_ 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	1581.68	58.92	-48.51	25.58	-59.27	-40.00	19.27	296	15	Horizontal
2	2372.52	46.24	-47.60	27.65	-68.98	-13.00	55.98	263	15	Horizontal
3	3163.36	43.60	-46.37	29.53	-68.49	-13.00	55.49	285	359	Horizontal
4	3954.2	41.43	-45.51	30.49	-68.85	-13.00	55.85	241	321	Horizontal
5	4745.04	41.69	-44.58	31.99	-66.16	-13.00	53.16	174	359	Horizontal
6	5535.88	41.79	-43.74	32.72	-64.50	-13.00	51.50	142	106	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	1581.68	54.13	-48.51	25.58	-64.06	-40.00	24.06	296	71	Vertical
2	2372.52	45.64	-47.60	27.65	-69.58	-13.00	56.58	265	56	Vertical
3	3163.36	44.17	-46.37	29.53	-67.92	-13.00	54.92	284	5	Vertical
4	3954.2	41.05	-45.51	30.49	-69.23	-13.00	56.23	174	86	Vertical
5	4745.04	41.65	-44.58	31.99	-66.20	-13.00	53.20	142	132	Vertical
6	5535.88	41.25	-43.74	32.72	-65.04	-13.00	52.04	255	162	Vertical



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Test Band = LTE Band 14 BW 5M_ 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	1586.6667	62.51	-48.52	25.59	-55.68	-40.00	15.68	286	359	Horizontal
2	2380.02	45.87	-47.60	27.66	-69.33	-13.00	56.33	142	152	Horizontal
3	3173.36	42.96	-46.34	29.53	-69.11	-13.00	56.11	285	200	Horizontal
4	3966.7	41.57	-45.51	30.52	-68.68	-13.00	55.68	245	359	Horizontal
5	4760.04	41.57	-44.59	32.03	-66.25	-13.00	53.25	258	106	Horizontal
6	5553.38	40.93	-43.73	32.77	-65.28	-13.00	52.28	178	247	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	1586.6667	52.66	-48.52	25.59	-65.53	-40.00	25.53	366	100	Vertical
2	2380.02	45.27	-47.60	27.66	-69.93	-13.00	56.93	285	145	Vertical
3	3173.36	43.58	-46.34	29.53	-68.49	-13.00	55.49	241	1	Vertical
4	3966.7	40.70	-45.51	30.52	-69.55	-13.00	56.55	175	129	Vertical
5	4760.04	42.27	-44.59	32.03	-65.55	-13.00	52.55	255	357	Vertical
6	5553.38	41.22	-43.73	32.77	-64.99	-13.00	51.99	263	314	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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