



Report No.: SEWM2308000332RG01

Rev.: 01

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Appendix B.14

LTE Band 71



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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
Band71	5MHz	QPSK	133147	1RB#0	23.15	15.41	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#12	23.26	15.52	34.77	PASS
Band71	5MHz	QPSK	133147	1RB#24	23.21	15.47	34.77	PASS
Band71	5MHz	QPSK	133147	25RB#0	22.18	14.44	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#0	22.93	15.19	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#12	22.73	14.99	34.77	PASS
Band71	5MHz	QPSK	133297	1RB#24	22.8	15.06	34.77	PASS
Band71	5MHz	QPSK	133297	25RB#0	21.86	14.12	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#0	23.07	15.33	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#12	23.12	15.38	34.77	PASS
Band71	5MHz	QPSK	133447	1RB#24	23.08	15.34	34.77	PASS
Band71	5MHz	QPSK	133447	25RB#0	22.13	14.39	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#0	22.78	15.04	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#12	22.13	14.39	34.77	PASS
Band71	5MHz	16QAM	133147	1RB#24	22.46	14.72	34.77	PASS
Band71	5MHz	16QAM	133147	25RB#0	21.15	13.41	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#0	22.16	14.42	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#12	22.02	14.28	34.77	PASS
Band71	5MHz	16QAM	133297	1RB#24	22.17	14.43	34.77	PASS
Band71	5MHz	16QAM	133297	25RB#0	20.81	13.07	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#0	22.51	14.77	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#12	22.4	14.66	34.77	PASS
Band71	5MHz	16QAM	133447	1RB#24	22.33	14.59	34.77	PASS
Band71	5MHz	16QAM	133447	25RB#0	21.19	13.45	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#0	23.31	15.57	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#24	23.08	15.34	34.77	PASS
Band71	10MHz	QPSK	133172	1RB#49	23.08	15.34	34.77	PASS



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Band71	10MHz	QPSK	133172	50RB#0	22.21	14.47	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#0	23.1	15.36	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#24	22.8	15.06	34.77	PASS
Band71	10MHz	QPSK	133297	1RB#49	22.91	15.17	34.77	PASS
Band71	10MHz	QPSK	133297	50RB#0	21.89	14.15	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#0	23.09	15.35	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#24	22.98	15.24	34.77	PASS
Band71	10MHz	QPSK	133422	1RB#49	23.05	15.31	34.77	PASS
Band71	10MHz	QPSK	133422	50RB#0	22	14.26	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#0	22.62	14.88	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#24	22.55	14.81	34.77	PASS
Band71	10MHz	16QAM	133172	1RB#49	22.35	14.61	34.77	PASS
Band71	10MHz	16QAM	133172	50RB#0	21.16	13.42	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#0	22.48	14.74	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#24	22.13	14.39	34.77	PASS
Band71	10MHz	16QAM	133297	1RB#49	22.15	14.41	34.77	PASS
Band71	10MHz	16QAM	133297	50RB#0	20.94	13.2	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#0	22.26	14.52	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#24	22.13	14.39	34.77	PASS
Band71	10MHz	16QAM	133422	1RB#49	22.41	14.67	34.77	PASS
Band71	10MHz	16QAM	133422	50RB#0	21.05	13.31	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#0	23.12	15.38	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#38	22.73	14.99	34.77	PASS
Band71	15MHz	QPSK	133197	1RB#74	22.81	15.07	34.77	PASS
Band71	15MHz	QPSK	133197	75RB#0	21.85	14.11	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#0	22.94	15.2	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#38	22.64	14.9	34.77	PASS
Band71	15MHz	QPSK	133297	1RB#74	22.64	14.9	34.77	PASS
Band71	15MHz	QPSK	133297	75RB#0	21.73	13.99	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#0	22.84	15.1	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#38	22.59	14.85	34.77	PASS
Band71	15MHz	QPSK	133397	1RB#74	22.81	15.07	34.77	PASS



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Band71	15MHz	QPSK	133397	75RB#0	21.95	14.21	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#0	22.26	14.52	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#38	22.11	14.37	34.77	PASS
Band71	15MHz	16QAM	133197	1RB#74	22.03	14.29	34.77	PASS
Band71	15MHz	16QAM	133197	75RB#0	20.99	13.25	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#0	22.13	14.39	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#38	22.09	14.35	34.77	PASS
Band71	15MHz	16QAM	133297	1RB#74	22.13	14.39	34.77	PASS
Band71	15MHz	16QAM	133297	75RB#0	20.7	12.96	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#0	22.11	14.37	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#38	21.85	14.11	34.77	PASS
Band71	15MHz	16QAM	133397	1RB#74	22.12	14.38	34.77	PASS
Band71	15MHz	16QAM	133397	75RB#0	20.77	13.03	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#0	23.25	15.51	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#49	22.74	15	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	22.71	14.97	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	21.91	14.17	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	23	15.26	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#49	22.63	14.89	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	22.76	15.02	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	21.87	14.13	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	22.94	15.2	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#49	22.62	14.88	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	22.81	15.07	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	21.83	14.09	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#0	22.59	14.85	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#49	22.07	14.33	34.77	PASS
Band71	20MHz	16QAM	133222	1RB#99	22.1	14.36	34.77	PASS
Band71	20MHz	16QAM	133222	100RB#0	21	13.26	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#0	22.32	14.58	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#49	22.05	14.31	34.77	PASS
Band71	20MHz	16QAM	133322	1RB#99	21.96	14.22	34.77	PASS



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Band71	20MHz	16QAM	133322	100RB#0	20.88	13.14	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#0	22.44	14.7	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#49	21.95	14.21	34.77	PASS
Band71	20MHz	16QAM	133372	1RB#99	22.09	14.35	34.77	PASS
Band71	20MHz	16QAM	133372	100RB#0	20.87	13.13	34.77	PASS



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Field Strength of Spurious Radiation

Test Band = LTE Band 71_20MHz_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	1328	67.80	-48.79	25.54	-50.70	-13.00	37.70	147	148	Horizontal
2	1992.27	62.05	-48.08	26.85	-54.44	-13.00	41.44	266	360	Horizontal
3	2656.36	46.36	-47.14	28.43	-67.61	-13.00	54.61	135	239	Horizontal
4	3320.45	42.76	-46.14	29.47	-69.17	-13.00	56.17	247	179	Horizontal
5	3984.54	41.10	-45.50	30.56	-69.10	-13.00	56.10	169	297	Horizontal
6	4648.63	40.30	-44.59	31.76	-67.79	-13.00	54.79	221	360	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	1328.18	61.91	-48.79	25.54	-56.59	-13.00	43.59	152	345	Vertical
2	1992.27	61.28	-48.08	26.85	-55.21	-13.00	42.21	188	0	Vertical
3	2656.36	51.34	-47.14	28.43	-62.63	-13.00	49.63	163	108	Vertical
4	3320.45	42.76	-46.14	29.47	-69.17	-13.00	56.17	284	254	Vertical
5	3984.54	42.34	-45.50	30.56	-67.86	-13.00	54.86	158	33	Vertical
6	4648.63	40.77	-44.59	31.76	-67.32	-13.00	54.32	236	211	Vertical



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Test Band = LTE Band 71_20MHz_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	1348.18	62.71	-48.77	25.50	-55.82	-13.00	42.82	187	178	Horizontal
2	2022.27	60.97	-48.04	26.95	-55.38	-13.00	42.38	233	45	Horizontal
3	2696.36	45.39	-47.07	28.57	-68.37	-13.00	55.37	247	279	Horizontal
4	3370.45	41.64	-46.23	29.45	-70.40	-13.00	57.40	196	89	Horizontal
5	4044.54	41.70	-45.46	30.67	-68.35	-13.00	55.35	274	163	Horizontal
6	4718.63	41.42	-44.56	31.93	-66.48	-13.00	53.48	168	192	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	1348	63.64	-48.77	25.50	-54.89	-13.00	41.89	296	345	Vertical
2	2022.27	59.93	-48.04	26.95	-56.42	-13.00	43.42	215	345	Vertical
3	2696.36	49.20	-47.07	28.57	-64.56	-13.00	51.56	163	106	Vertical
4	3370.45	42.07	-46.23	29.45	-69.97	-13.00	56.97	288	77	Vertical
5	4044.54	42.91	-45.46	30.67	-67.14	-13.00	54.14	182	19	Vertical
6	4718.63	41.83	-44.56	31.93	-66.07	-13.00	53.07	156	270	Vertical



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Test Band = LTE Band 71_20MHz_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	1358	63.10	-48.76	25.48	-55.44	-13.00	42.44	218	192	Horizontal
2	2752	45.32	-46.86	28.76	-68.05	-13.00	55.05	263	360	Horizontal
3	4798.5	48.11	-44.61	32.12	-59.64	-13.00	46.64	229	58	Horizontal
4	2037.27	54.00	-48.01	26.98	-62.29	-13.00	49.29	169	132	Horizontal
5	3395.45	42.41	-46.27	29.44	-69.68	-13.00	56.68	233	148	Horizontal
6	4074.54	43.48	-45.43	30.72	-66.49	-13.00	53.49	174	118	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	1358	62.25	-48.76	25.48	-56.29	-13.00	43.29	158	80	Vertical
2	2037.27	55.42	-48.01	26.98	-60.87	-13.00	47.87	241	357	Vertical
3	2716.36	47.04	-47.00	28.64	-66.58	-13.00	53.58	239	111	Vertical
4	3395.45	42.54	-46.27	29.44	-69.55	-13.00	56.55	184	301	Vertical
5	4074.54	43.14	-45.43	30.72	-66.83	-13.00	53.83	166	94	Vertical
6	4753.63	40.65	-44.58	32.01	-67.18	-13.00	54.18	252	139	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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