

Report No.: SEWM2302000050RG02

Rev.: 01

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Appendix B.9

LTE Band 71



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Effective (Isotropic) Radiated Power Output Data

Test for Spot check the max BW power:

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band71	20MHz	QPSK	133222	1RB#0	23.04	17.74	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#50	23.15	17.85	34.77	PASS
Band71	20MHz	QPSK	133222	1RB#99	23.16	17.86	34.77	PASS
Band71	20MHz	QPSK	133222	50RB#0	22.70	17.40	34.77	PASS
Band71	20MHz	QPSK	133222	50RB#25	22.83	17.53	34.77	PASS
Band71	20MHz	QPSK	133222	50RB#50	22.85	17.55	34.77	PASS
Band71	20MHz	QPSK	133222	100RB#0	22.74	17.44	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#0	23.14	17.84	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#50	23.15	17.85	34.77	PASS
Band71	20MHz	QPSK	133322	1RB#99	23.07	17.77	34.77	PASS
Band71	20MHz	QPSK	133322	50RB#0	22.93	17.63	34.77	PASS
Band71	20MHz	QPSK	133322	50RB#25	22.71	17.41	34.77	PASS
Band71	20MHz	QPSK	133322	50RB#50	22.67	17.37	34.77	PASS
Band71	20MHz	QPSK	133322	100RB#0	22.83	17.53	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#0	23.10	17.80	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#50	23.08	17.78	34.77	PASS
Band71	20MHz	QPSK	133372	1RB#99	23.05	17.75	34.77	PASS
Band71	20MHz	QPSK	133372	50RB#0	22.88	17.58	34.77	PASS
Band71	20MHz	QPSK	133372	50RB#25	22.76	17.46	34.77	PASS
Band71	20MHz	QPSK	133372	50RB#50	22.72	17.42	34.77	PASS
Band71	20MHz	QPSK	133372	100RB#0	22.85	17.55	34.77	PASS



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Field Strength of Spurious Radiation

Test for spot check:

Test Band = LTE Band 71_ TM1

Test Channel = Mid

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	44.78	-48.77	25.50	-73.75	-13.00	60.75	169	206	Horizontal
2	2022.27	43.79	-48.04	26.95	-72.56	-13.00	59.56	251	298	Horizontal
3	2696.36	44.30	-47.07	28.57	-69.46	-13.00	56.46	186	175	Horizontal
4	3370.45	42.92	-46.23	29.45	-69.12	-13.00	56.12	221	191	Horizontal
5	4044.54	42.09	-45.46	30.67	-67.96	-13.00	54.96	152	316	Horizontal
6	4718.63	40.73	-44.56	31.93	-67.17	-13.00	54.17	238	316	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	1348.18	45.01	-48.77	25.50	-73.52	-13.00	60.52	293	95	Vertical
2	2022.27	44.53	-48.04	26.95	-71.82	-13.00	58.82	256	357	Vertical
3	2696.36	43.48	-47.07	28.57	-70.28	-13.00	57.28	247	141	Vertical
4	3370.45	43.51	-46.23	29.45	-68.53	-13.00	55.53	218	22	Vertical
5	4044.54	41.90	-45.46	30.67	-68.15	-13.00	55.15	165	290	Vertical
6	4718.63	40.88	-44.56	31.93	-67.02	-13.00	54.02	183	169	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---

