

Report No.: SEWM2302000050RG02

Rev.: 01

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# Appendix B.7

## LTE Band 41



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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)	EIRP	Limit	Verdict
Band41	20MHz	QPSK	39750	1RB#0	25.33	27.04	33	PASS
Band41	20MHz	QPSK	39750	1RB#50	25.53	27.24	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	25.40	27.11	33	PASS
Band41	20MHz	QPSK	39750	50RB#0	24.49	26.20	33	PASS
Band41	20MHz	QPSK	39750	50RB#25	24.52	26.23	33	PASS
Band41	20MHz	QPSK	39750	50RB#50	24.57	26.28	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	24.53	26.24	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	25.11	26.82	33	PASS
Band41	20MHz	QPSK	40620	1RB#50	25.19	26.90	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	25.17	26.88	33	PASS
Band41	20MHz	QPSK	40620	50RB#0	24.37	26.08	33	PASS
Band41	20MHz	QPSK	40620	50RB#25	24.35	26.06	33	PASS
Band41	20MHz	QPSK	40620	50RB#50	24.26	25.97	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	24.34	26.05	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	25.04	26.75	33	PASS
Band41	20MHz	QPSK	41490	1RB#50	25.26	26.97	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	24.90	26.61	33	PASS
Band41	20MHz	QPSK	41490	50RB#0	24.27	25.98	33	PASS
Band41	20MHz	QPSK	41490	50RB#25	24.19	25.90	33	PASS
Band41	20MHz	QPSK	41490	50RB#50	24.27	25.98	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	24.31	26.02	33	PASS



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## Field Strength of Spurious Radiation

### Test for spot check:

Test Band = LTE Band 41\_ 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	17919.5	33.13	-31.13	42.28	-50.98	-25.00	25.98	185	270	Horizontal
2	5168.18	42.11	-44.19	32.60	-64.74	-25.00	39.74	215	20	Horizontal
3	7752.27	41.62	-40.96	37.01	-57.59	-25.00	32.59	163	310	Horizontal
4	10336.36	40.85	-36.70	38.87	-52.24	-25.00	27.24	207	58	Horizontal
5	12920.45	34.09	-34.87	39.52	-56.52	-25.00	31.52	149	3	Horizontal
6	15504.54	32.49	-34.16	38.54	-58.38	-25.00	33.38	226	330	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	17813	32.74	-30.84	41.85	-51.51	-25.00	26.51	269	58	Vertical
2	5168.18	44.76	-44.19	32.60	-62.09	-25.00	37.09	204	360	Vertical
3	7752.27	40.29	-40.96	37.01	-58.92	-25.00	33.92	166	360	Vertical
4	10336.36	41.27	-36.70	38.87	-51.82	-25.00	26.82	139	360	Vertical
5	12920.45	33.46	-34.87	39.52	-57.15	-25.00	32.15	182	161	Vertical
6	15504.54	32.50	-34.16	38.54	-58.37	-25.00	33.37	252	262	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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