

Report No.: SUCR240300004401

Rev.: 01

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Appendix B.11

LTE Band 30



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band30	5MHz	QPSK	27685	1RB#0	19	13.3	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#12	18.85	13.15	23.98	PASS
Band30	5MHz	QPSK	27685	1RB#24	18.89	13.19	23.98	PASS
Band30	5MHz	QPSK	27685	25RB#0	17.92	12.22	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#0	18.89	13.19	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#12	18.86	13.16	23.98	PASS
Band30	5MHz	QPSK	27710	1RB#24	18.78	13.08	23.98	PASS
Band30	5MHz	QPSK	27710	25RB#0	17.88	12.18	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#0	18.71	13.01	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#12	18.81	13.11	23.98	PASS
Band30	5MHz	QPSK	27735	1RB#24	18.7	13	23.98	PASS
Band30	5MHz	QPSK	27735	25RB#0	17.7	12	23.98	PASS
Band30	5MHz	16QAM	27685	1RB#0	18.28	12.58	23.98	PASS
Band30	5MHz	16QAM	27685	1RB#12	18.27	12.57	23.98	PASS
Band30	5MHz	16QAM	27685	1RB#24	18.32	12.62	23.98	PASS
Band30	5MHz	16QAM	27685	25RB#0	17.01	11.31	23.98	PASS
Band30	5MHz	16QAM	27710	1RB#0	18.39	12.69	23.98	PASS
Band30	5MHz	16QAM	27710	1RB#12	18.32	12.62	23.98	PASS
Band30	5MHz	16QAM	27710	1RB#24	18.17	12.47	23.98	PASS
Band30	5MHz	16QAM	27710	25RB#0	16.87	11.17	23.98	PASS
Band30	5MHz	16QAM	27735	1RB#0	18.19	12.49	23.98	PASS
Band30	5MHz	16QAM	27735	1RB#12	18.04	12.34	23.98	PASS
Band30	5MHz	16QAM	27735	1RB#24	18.08	12.38	23.98	PASS
Band30	5MHz	16QAM	27735	25RB#0	16.81	11.11	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#0	18.82	13.12	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#24	18.92	13.22	23.98	PASS
Band30	10MHz	QPSK	27710	1RB#49	18.84	13.14	23.98	PASS
Band30	10MHz	QPSK	27710	50RB#0	17.81	12.11	23.98	PASS
Band30	10MHz	16QAM	27710	1RB#0	18.17	12.47	23.98	PASS
Band30	10MHz	16QAM	27710	1RB#24	18.26	12.56	23.98	PASS
Band30	10MHz	16QAM	27710	1RB#49	18.31	12.61	23.98	PASS



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Band30	10MHz	16QAM	27710	50RB#0	16.93	11.23	23.98	PASS
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Field Strength of Spurious Radiation

Test Band = LTE Band 30 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]	Polarity
1	4623	48.13	-47.99	30.60	-64.53	-40.00	24.53	Horizontal
2	6916.77	43.09	-46.71	35.42	-63.46	-40.00	23.46	Horizontal
3	9222.36	40.70	-43.39	37.80	-60.15	-40.00	20.15	Horizontal
4	11527.95	37.47	-39.98	39.29	-58.47	-40.00	18.47	Horizontal
5	13833.54	36.21	-38.91	40.52	-57.45	-40.00	17.45	Horizontal
6	16139.13	35.82	-37.96	38.30	-59.10	-40.00	19.10	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4619	47.66	-47.99	30.59	-65.01	-40.00	25.01	Vertical
2	9240	45.97	-43.28	37.82	-54.75	-40.00	14.75	Vertical
3	6916.77	42.96	-46.71	35.42	-63.59	-40.00	23.59	Vertical
4	11527.95	37.79	-39.98	39.29	-58.15	-40.00	18.15	Vertical
5	13833.54	36.22	-38.91	40.52	-57.44	-40.00	17.44	Vertical
6	16139.13	35.58	-37.96	38.30	-59.34	-40.00	19.34	Vertical



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Test Band = LTE Band 30 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]	Polarity
1	4615	51.04	-47.99	30.58	-61.64	-40.00	21.64	Horizontal
2	6916.02	42.90	-46.71	35.42	-63.65	-40.00	23.65	Horizontal
3	9221.36	40.17	-43.40	37.80	-60.69	-40.00	20.69	Horizontal
4	11526.7	37.49	-39.98	39.29	-58.46	-40.00	18.46	Horizontal
5	13832.04	36.64	-38.92	40.51	-57.02	-40.00	17.02	Horizontal
6	16137.38	36.06	-37.97	38.30	-58.87	-40.00	18.87	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4615	50.28	-47.99	30.58	-62.40	-40.00	22.40	Vertical
2	6916.02	42.52	-46.71	35.42	-64.03	-40.00	24.03	Vertical
3	9221.36	40.21	-43.40	37.80	-60.65	-40.00	20.65	Vertical
4	11526.7	37.66	-39.98	39.29	-58.29	-40.00	18.29	Vertical
5	13832.04	36.47	-38.92	40.51	-57.19	-40.00	17.19	Vertical
6	16137.38	35.13	-37.97	38.30	-59.80	-40.00	19.80	Vertical



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Test Band = LTE Band 30 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]	Polarity
1	4623	49.42	-47.99	30.60	-63.24	-40.00	23.24	Horizontal
2	6923.52	42.56	-46.70	35.43	-63.97	-40.00	23.97	Horizontal
3	9231.36	40.36	-43.33	37.81	-60.42	-40.00	20.42	Horizontal
4	11539.2	37.00	-39.95	39.29	-58.91	-40.00	18.91	Horizontal
5	13847.04	36.71	-38.88	40.55	-56.88	-40.00	16.88	Horizontal
6	16154.88	36.42	-37.91	38.31	-58.44	-40.00	18.44	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4617	49.89	-47.99	30.58	-62.78	-40.00	22.78	Vertical
2	6923.52	42.51	-46.70	35.43	-64.02	-40.00	24.02	Vertical
3	9231.36	39.68	-43.33	37.81	-61.10	-40.00	21.10	Vertical
4	11539.2	36.81	-39.95	39.29	-59.10	-40.00	19.10	Vertical
5	13847.04	37.13	-38.88	40.55	-56.46	-40.00	16.46	Vertical
6	16154.88	36.49	-37.91	38.31	-58.37	-40.00	18.37	Vertical



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Test Band = LTE Band 30 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]	Polarity
1	4623	50.40	-47.99	30.60	-62.26	-40.00	22.26	Horizontal
2	6931.02	42.85	-46.69	35.45	-63.65	-40.00	23.65	Horizontal
3	9241.32	40.59	-43.27	37.82	-60.12	-40.00	20.12	Horizontal
4	11551.7	37.36	-39.91	39.29	-58.52	-40.00	18.52	Horizontal
5	13862.04	36.49	-38.84	40.58	-57.02	-40.00	17.02	Horizontal
6	16172.38	36.02	-37.85	38.32	-58.77	-40.00	18.77	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	4626	48.79	-47.99	30.60	-63.86	-40.00	23.86	Vertical
2	9250	47.60	-43.21	37.83	-53.05	-40.00	13.05	Vertical
3	6931.02	42.24	-46.69	35.45	-64.26	-40.00	24.26	Vertical
4	11551.7	36.98	-39.91	39.29	-58.90	-40.00	18.90	Vertical
5	13862.04	36.36	-38.84	40.58	-57.15	-40.00	17.15	Vertical
6	16172.38	36.49	-37.85	38.32	-58.30	-40.00	18.30	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) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---



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