

Report No.: SUCR240300004401

Rev.: 01

Page: 1 of 7

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	22.83	25.13	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#12	22.75	25.05	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#24	22.75	25.05	34.77	PASS
Band14	5MHz	QPSK	23305	25RB#0	21.96	24.26	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#0	22.8	25.1	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#12	22.81	25.11	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#24	22.83	25.13	34.77	PASS
Band14	5MHz	QPSK	23330	25RB#0	21.89	24.19	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#0	22.8	25.1	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#12	22.75	25.05	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#24	22.7	25	34.77	PASS
Band14	5MHz	QPSK	23355	25RB#0	21.95	24.25	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#0	22.13	24.43	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#12	22.17	24.47	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#24	22	24.3	34.77	PASS
Band14	5MHz	16QAM	23305	25RB#0	20.93	23.23	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#0	21.97	24.27	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#12	22.04	24.34	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#24	22.1	24.4	34.77	PASS
Band14	5MHz	16QAM	23330	25RB#0	20.98	23.28	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#0	22.14	24.44	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#12	22	24.3	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#24	22.05	24.35	34.77	PASS
Band14	5MHz	16QAM	23355	25RB#0	20.79	23.09	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#0	22.73	25.03	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#24	22.94	25.24	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#49	22.71	25.01	34.77	PASS
Band14	10MHz	QPSK	23330	50RB#0	21.96	24.26	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#0	22.09	24.39	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#24	22.11	24.41	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#49	21.94	24.24	34.77	PASS



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Report No.: SUCR240300004401

Rev.: 01

Page: 3 of 7

Band14	10MHz	16QAM	23330	50RB#0	20.92	23.22	34.77	PASS
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Field Strength of Spurious Radiation

Test Band = LTE Band 14 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	1577.18	45.71	-49.91	25.01	-74.45	-40.00	34.45	Horizontal
2	2365.77	44.61	-49.36	27.14	-72.87	-13.00	59.87	Horizontal
3	3154.36	44.21	-48.76	28.56	-71.24	-13.00	58.24	Horizontal
4	3942.95	43.73	-48.40	29.32	-70.61	-13.00	57.61	Horizontal
5	4731.54	42.68	-48.06	30.86	-69.79	-13.00	56.79	Horizontal
6	5520.13	43.04	-47.45	32.70	-66.96	-13.00	53.96	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1577.18	45.25	-49.91	25.01	-74.91	-40.00	34.91	Vertical
2	2365.77	44.56	-49.36	27.14	-72.92	-13.00	59.92	Vertical
3	3154.36	43.83	-48.76	28.56	-71.62	-13.00	58.62	Vertical
4	3942.95	44.11	-48.40	29.32	-70.23	-13.00	57.23	Vertical
5	4731.54	43.06	-48.06	30.86	-69.41	-13.00	56.41	Vertical
6	5520.13	43.16	-47.45	32.70	-66.84	-13.00	53.84	Vertical



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Test Band = LTE Band 14 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	1576.68	45.56	-49.91	25.01	-74.60	-40.00	34.60	Horizontal
2	2365.02	44.83	-49.36	27.14	-72.65	-13.00	59.65	Horizontal
3	3153.36	44.22	-48.76	28.56	-71.24	-13.00	58.24	Horizontal
4	3941.7	43.40	-48.40	29.32	-70.94	-13.00	57.94	Horizontal
5	4730.04	42.85	-48.06	30.85	-69.62	-13.00	56.62	Horizontal
6	5518.38	43.31	-47.44	32.70	-66.69	-13.00	53.69	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1576.68	45.21	-49.91	25.01	-74.95	-40.00	34.95	Vertical
2	2365.02	44.77	-49.36	27.14	-72.71	-13.00	59.71	Vertical
3	3153.36	44.11	-48.76	28.56	-71.35	-13.00	58.35	Vertical
4	3941.7	43.92	-48.40	29.32	-70.42	-13.00	57.42	Vertical
5	4730.04	42.54	-48.06	30.85	-69.93	-13.00	56.93	Vertical
6	5518.38	43.23	-47.44	32.70	-66.77	-13.00	53.77	Vertical



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Test Band = LTE Band 14 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	1581.68	45.19	-49.91	25.03	-74.95	-40.00	34.95	Horizontal
2	2372.52	44.30	-49.39	27.15	-73.20	-13.00	60.20	Horizontal
3	3163.36	44.01	-48.73	28.57	-71.41	-13.00	58.41	Horizontal
4	3954.2	43.83	-48.39	29.34	-70.48	-13.00	57.48	Horizontal
5	4745.04	43.64	-48.05	30.89	-68.78	-13.00	55.78	Horizontal
6	5535.88	43.04	-47.49	32.71	-67.00	-13.00	54.00	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1581.68	45.34	-49.91	25.03	-74.80	-40.00	34.80	Vertical
2	2372.52	44.39	-49.39	27.15	-73.11	-13.00	60.11	Vertical
3	3163.36	43.86	-48.73	28.57	-71.56	-13.00	58.56	Vertical
4	3954.2	43.95	-48.39	29.34	-70.36	-13.00	57.36	Vertical
5	4745.04	43.22	-48.05	30.89	-69.20	-13.00	56.20	Vertical
6	5535.88	43.48	-47.49	32.71	-66.56	-13.00	53.56	Vertical



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Test Band = LTE Band 14 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	1586.68	45.34	-49.92	25.05	-74.79	-40.00	34.79	Horizontal
2	2380.02	44.64	-49.41	27.16	-72.88	-13.00	59.88	Horizontal
3	3173.36	43.67	-48.70	28.57	-71.72	-13.00	58.72	Horizontal
4	3966.7	43.57	-48.38	29.35	-70.71	-13.00	57.71	Horizontal
5	4760.04	42.72	-48.04	30.93	-69.66	-13.00	56.66	Horizontal
6	5553.38	43.67	-47.54	32.71	-66.42	-13.00	53.42	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1586.68	45.50	-49.92	25.05	-74.63	-40.00	34.63	Vertical
2	2380.02	44.67	-49.41	27.16	-72.85	-13.00	59.85	Vertical
3	3173.36	43.87	-48.70	28.57	-71.52	-13.00	58.52	Vertical
4	3966.7	44.27	-48.38	29.35	-70.01	-13.00	57.01	Vertical
5	4760.04	42.95	-48.04	30.93	-69.43	-13.00	56.43	Vertical
6	5553.38	43.92	-47.54	32.71	-66.17	-13.00	53.17	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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