

Report No.: SUCR240300004401

Rev.: 01

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Appendix B.6

LTE Band 13



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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
Band13	5MHz	QPSK	23205	1RB#0	22.82	25.12	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.8	25.1	34.77	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.89	25.19	34.77	PASS
Band13	5MHz	QPSK	23205	25RB#0	22.01	24.31	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#0	22.8	25.1	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#12	22.82	25.12	34.77	PASS
Band13	5MHz	QPSK	23230	1RB#24	22.9	25.2	34.77	PASS
Band13	5MHz	QPSK	23230	25RB#0	21.97	24.27	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#0	22.93	25.23	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.9	25.2	34.77	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.81	25.11	34.77	PASS
Band13	5MHz	QPSK	23255	25RB#0	21.97	24.27	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#0	22.06	24.36	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#12	22.17	24.47	34.77	PASS
Band13	5MHz	16QAM	23205	1RB#24	22.21	24.51	34.77	PASS
Band13	5MHz	16QAM	23205	25RB#0	21	23.3	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	22	24.3	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.27	24.57	34.77	PASS
Band13	5MHz	16QAM	23230	1RB#24	22.09	24.39	34.77	PASS
Band13	5MHz	16QAM	23230	25RB#0	20.95	23.25	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.11	24.41	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.29	24.59	34.77	PASS
Band13	5MHz	16QAM	23255	1RB#24	22.16	24.46	34.77	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.04	23.34	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.89	25.19	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.92	25.22	34.77	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.85	25.15	34.77	PASS
Band13	10MHz	QPSK	23230	50RB#0	21.93	24.23	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.15	24.45	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.26	24.56	34.77	PASS
Band13	10MHz	16QAM	23230	1RB#49	22.11	24.41	34.77	PASS



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Band13	10MHz	16QAM	23230	50RB#0	21.08	23.38	34.77	PASS
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Field Strength of Spurious Radiation

Test Band = LTE Band 13 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	1555.18	53.77	-49.89	24.92	-66.45	-13.00	53.45	Horizontal
2	2332.77	46.58	-49.25	27.10	-70.83	-13.00	57.83	Horizontal
3	3110.36	44.92	-48.89	28.54	-70.68	-13.00	57.68	Horizontal
4	3887.95	43.65	-48.43	29.24	-70.79	-13.00	57.79	Horizontal
5	4665.54	43.93	-48.07	30.70	-68.70	-13.00	55.70	Horizontal
6	5443.13	43.54	-47.42	32.56	-66.57	-13.00	53.57	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1555.18	46.39	-49.89	24.92	-73.83	-13.00	60.83	Vertical
2	2332.77	45.20	-49.25	27.10	-72.21	-13.00	59.21	Vertical
3	3110.36	44.41	-48.89	28.54	-71.19	-13.00	58.19	Vertical
4	3887.95	43.37	-48.43	29.24	-71.07	-13.00	58.07	Vertical
5	4665.54	43.89	-48.07	30.70	-68.74	-13.00	55.74	Vertical
6	5443.13	43.38	-47.42	32.56	-66.73	-13.00	53.73	Vertical



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Test Band = LTE Band 13 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	1558.5	47.85	-49.89	24.93	-72.36	-13.00	59.36	Horizontal
2	2332.02	45.15	-49.24	27.10	-72.25	-13.00	59.25	Horizontal
3	3109.36	44.40	-48.89	28.54	-71.21	-13.00	58.21	Horizontal
4	3886.7	43.63	-48.43	29.24	-70.82	-13.00	57.82	Horizontal
5	4664.04	43.85	-48.07	30.69	-68.78	-13.00	55.78	Horizontal
6	5441.38	43.62	-47.42	32.56	-66.50	-13.00	53.50	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1554.68	45.48	-49.89	24.92	-74.75	-13.00	61.75	Vertical
2	2332.02	44.48	-49.24	27.10	-72.92	-13.00	59.92	Vertical
3	3109.36	44.13	-48.89	28.54	-71.48	-13.00	58.48	Vertical
4	3886.7	43.66	-48.43	29.24	-70.79	-13.00	57.79	Vertical
5	4664.04	44.60	-48.07	30.69	-68.03	-13.00	55.03	Vertical
6	5441.38	43.71	-47.42	32.56	-66.41	-13.00	53.41	Vertical



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Test Band = LTE Band 13 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	1559.68	45.77	-49.89	24.94	-74.44	-40.00	34.44	Horizontal
2	2339.52	44.37	-49.27	27.11	-73.05	-13.00	60.05	Horizontal
3	3119.36	44.03	-48.86	28.55	-71.54	-13.00	58.54	Horizontal
4	3899.2	43.48	-48.43	29.26	-70.95	-13.00	57.95	Horizontal
5	4679.04	43.47	-48.07	30.73	-69.13	-13.00	56.13	Horizontal
6	5458.88	43.45	-47.41	32.60	-66.62	-13.00	53.62	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1559.68	45.19	-49.89	24.94	-75.02	-40.00	35.02	Vertical
2	2339.52	44.28	-49.27	27.11	-73.14	-13.00	60.14	Vertical
3	3119.36	43.67	-48.86	28.55	-71.90	-13.00	58.90	Vertical
4	3899.2	44.25	-48.43	29.26	-70.18	-13.00	57.18	Vertical
5	4679.04	43.36	-48.07	30.73	-69.24	-13.00	56.24	Vertical
6	5458.88	43.19	-47.41	32.60	-66.88	-13.00	53.88	Vertical



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Test Band = LTE Band 13 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	1564.68	45.59	-49.90	24.96	-74.61	-40.00	34.61	Horizontal
2	2347.02	44.97	-49.30	27.12	-72.47	-13.00	59.47	Horizontal
3	3129.36	44.09	-48.83	28.55	-71.45	-13.00	58.45	Horizontal
4	3911.7	43.92	-48.42	29.28	-70.48	-13.00	57.48	Horizontal
5	4694.04	43.27	-48.08	30.77	-69.30	-13.00	56.30	Horizontal
6	5476.38	43.58	-47.40	32.64	-66.44	-13.00	53.44	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1564.68	45.48	-49.90	24.96	-74.72	-40.00	34.72	Vertical
2	2347.02	45.13	-49.30	27.12	-72.31	-13.00	59.31	Vertical
3	3129.36	43.78	-48.83	28.55	-71.76	-13.00	58.76	Vertical
4	3911.7	43.74	-48.42	29.28	-70.66	-13.00	57.66	Vertical
5	4694.04	43.25	-48.08	30.77	-69.32	-13.00	56.32	Vertical
6	5476.38	43.51	-47.40	32.64	-66.51	-13.00	53.51	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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