

Report No.: SUCR240300004401

Rev.: 01

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Appendix B.8

LTE Band 25



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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
Band25	1.4MHz	QPSK	26047	1RB#0	22.69	24.28	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	22.86	24.45	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	22.76	24.35	33	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	21.8	23.39	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	22.61	24.2	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	22.84	24.43	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	22.71	24.3	33	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	21.69	23.28	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	22.6	24.19	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	22.68	24.27	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	22.62	24.21	33	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	21.7	23.29	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	21.99	23.58	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	22.23	23.82	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	22.08	23.67	33	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	21	22.59	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	21.94	23.53	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	22.17	23.76	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	21.95	23.54	33	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	20.84	22.43	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	21.91	23.5	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	21.97	23.56	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	21.64	23.23	33	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	20.87	22.46	33	PASS
Band25	3MHz	QPSK	26055	1RB#0	22.72	24.31	33	PASS
Band25	3MHz	QPSK	26055	1RB#8	22.84	24.43	33	PASS
Band25	3MHz	QPSK	26055	1RB#14	22.87	24.46	33	PASS
Band25	3MHz	QPSK	26055	15RB#0	21.88	23.47	33	PASS
Band25	3MHz	QPSK	26365	1RB#0	22.76	24.35	33	PASS
Band25	3MHz	QPSK	26365	1RB#8	22.76	24.35	33	PASS
Band25	3MHz	QPSK	26365	1RB#14	22.77	24.36	33	PASS



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Band25	3MHz	QPSK	26365	15RB#0	21.83	23.42	33	PASS
Band25	3MHz	QPSK	26675	1RB#0	22.73	24.32	33	PASS
Band25	3MHz	QPSK	26675	1RB#8	22.71	24.3	33	PASS
Band25	3MHz	QPSK	26675	1RB#14	22.68	24.27	33	PASS
Band25	3MHz	QPSK	26675	15RB#0	21.85	23.44	33	PASS
Band25	3MHz	16QAM	26055	1RB#0	22.04	23.63	33	PASS
Band25	3MHz	16QAM	26055	1RB#8	22.26	23.85	33	PASS
Band25	3MHz	16QAM	26055	1RB#14	22.08	23.67	33	PASS
Band25	3MHz	16QAM	26055	15RB#0	20.9	22.49	33	PASS
Band25	3MHz	16QAM	26365	1RB#0	22.11	23.7	33	PASS
Band25	3MHz	16QAM	26365	1RB#8	22	23.59	33	PASS
Band25	3MHz	16QAM	26365	1RB#14	22.19	23.78	33	PASS
Band25	3MHz	16QAM	26365	15RB#0	20.82	22.41	33	PASS
Band25	3MHz	16QAM	26675	1RB#0	21.85	23.44	33	PASS
Band25	3MHz	16QAM	26675	1RB#8	21.89	23.48	33	PASS
Band25	3MHz	16QAM	26675	1RB#14	21.77	23.36	33	PASS
Band25	3MHz	16QAM	26675	15RB#0	20.77	22.36	33	PASS
Band25	5MHz	QPSK	26065	1RB#0	22.76	24.35	33	PASS
Band25	5MHz	QPSK	26065	1RB#12	22.87	24.46	33	PASS
Band25	5MHz	QPSK	26065	1RB#24	22.88	24.47	33	PASS
Band25	5MHz	QPSK	26065	25RB#0	21.8	23.39	33	PASS
Band25	5MHz	QPSK	26365	1RB#0	22.76	24.35	33	PASS
Band25	5MHz	QPSK	26365	1RB#12	22.63	24.22	33	PASS
Band25	5MHz	QPSK	26365	1RB#24	22.83	24.42	33	PASS
Band25	5MHz	QPSK	26365	25RB#0	21.74	23.33	33	PASS
Band25	5MHz	QPSK	26665	1RB#0	22.62	24.21	33	PASS
Band25	5MHz	QPSK	26665	1RB#12	22.72	24.31	33	PASS
Band25	5MHz	QPSK	26665	1RB#24	22.62	24.21	33	PASS
Band25	5MHz	QPSK	26665	25RB#0	21.8	23.39	33	PASS
Band25	5MHz	16QAM	26065	1RB#0	22.21	23.8	33	PASS
Band25	5MHz	16QAM	26065	1RB#12	22.21	23.8	33	PASS
Band25	5MHz	16QAM	26065	1RB#24	22.17	23.76	33	PASS
Band25	5MHz	16QAM	26065	25RB#0	20.87	22.46	33	PASS
Band25	5MHz	16QAM	26365	1RB#0	22.1	23.69	33	PASS
Band25	5MHz	16QAM	26365	1RB#12	22.23	23.82	33	PASS
Band25	5MHz	16QAM	26365	1RB#24	22.21	23.8	33	PASS
Band25	5MHz	16QAM	26365	25RB#0	20.81	22.4	33	PASS



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Band25	5MHz	16QAM	26665	1RB#0	22.02	23.61	33	PASS
Band25	5MHz	16QAM	26665	1RB#12	21.89	23.48	33	PASS
Band25	5MHz	16QAM	26665	1RB#24	21.84	23.43	33	PASS
Band25	5MHz	16QAM	26665	25RB#0	20.77	22.36	33	PASS
Band25	10MHz	QPSK	26090	1RB#0	22.82	24.41	33	PASS
Band25	10MHz	QPSK	26090	1RB#24	22.87	24.46	33	PASS
Band25	10MHz	QPSK	26090	1RB#49	22.76	24.35	33	PASS
Band25	10MHz	QPSK	26090	50RB#0	21.86	23.45	33	PASS
Band25	10MHz	QPSK	26365	1RB#0	22.7	24.29	33	PASS
Band25	10MHz	QPSK	26365	1RB#24	22.74	24.33	33	PASS
Band25	10MHz	QPSK	26365	1RB#49	22.81	24.4	33	PASS
Band25	10MHz	QPSK	26365	50RB#0	21.86	23.45	33	PASS
Band25	10MHz	QPSK	26640	1RB#0	22.78	24.37	33	PASS
Band25	10MHz	QPSK	26640	1RB#24	22.67	24.26	33	PASS
Band25	10MHz	QPSK	26640	1RB#49	22.63	24.22	33	PASS
Band25	10MHz	QPSK	26640	50RB#0	21.77	23.36	33	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.12	23.71	33	PASS
Band25	10MHz	16QAM	26090	1RB#24	22.18	23.77	33	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.12	23.71	33	PASS
Band25	10MHz	16QAM	26090	50RB#0	20.89	22.48	33	PASS
Band25	10MHz	16QAM	26365	1RB#0	22.09	23.68	33	PASS
Band25	10MHz	16QAM	26365	1RB#24	22.2	23.79	33	PASS
Band25	10MHz	16QAM	26365	1RB#49	22.21	23.8	33	PASS
Band25	10MHz	16QAM	26365	50RB#0	20.89	22.48	33	PASS
Band25	10MHz	16QAM	26640	1RB#0	21.97	23.56	33	PASS
Band25	10MHz	16QAM	26640	1RB#24	22.15	23.74	33	PASS
Band25	10MHz	16QAM	26640	1RB#49	21.98	23.57	33	PASS
Band25	10MHz	16QAM	26640	50RB#0	20.93	22.52	33	PASS
Band25	15MHz	QPSK	26115	1RB#0	22.72	24.31	33	PASS
Band25	15MHz	QPSK	26115	1RB#38	22.76	24.35	33	PASS
Band25	15MHz	QPSK	26115	1RB#74	22.78	24.37	33	PASS
Band25	15MHz	QPSK	26115	75RB#0	21.72	23.31	33	PASS
Band25	15MHz	QPSK	26365	1RB#0	22.75	24.34	33	PASS
Band25	15MHz	QPSK	26365	1RB#38	22.73	24.32	33	PASS
Band25	15MHz	QPSK	26365	1RB#74	22.78	24.37	33	PASS
Band25	15MHz	QPSK	26365	75RB#0	21.79	23.38	33	PASS
Band25	15MHz	QPSK	26615	1RB#0	22.64	24.23	33	PASS



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Band25	15MHz	QPSK	26615	1RB#38	22.79	24.38	33	PASS
Band25	15MHz	QPSK	26615	1RB#74	22.58	24.17	33	PASS
Band25	15MHz	QPSK	26615	75RB#0	21.82	23.41	33	PASS
Band25	15MHz	16QAM	26115	1RB#0	22.16	23.75	33	PASS
Band25	15MHz	16QAM	26115	1RB#38	22.23	23.82	33	PASS
Band25	15MHz	16QAM	26115	1RB#74	21.99	23.58	33	PASS
Band25	15MHz	16QAM	26115	75RB#0	20.84	22.43	33	PASS
Band25	15MHz	16QAM	26365	1RB#0	22.04	23.63	33	PASS
Band25	15MHz	16QAM	26365	1RB#38	22.1	23.69	33	PASS
Band25	15MHz	16QAM	26365	1RB#74	22.11	23.7	33	PASS
Band25	15MHz	16QAM	26365	75RB#0	20.87	22.46	33	PASS
Band25	15MHz	16QAM	26615	1RB#0	21.98	23.57	33	PASS
Band25	15MHz	16QAM	26615	1RB#38	22.21	23.8	33	PASS
Band25	15MHz	16QAM	26615	1RB#74	22.01	23.6	33	PASS
Band25	15MHz	16QAM	26615	75RB#0	20.81	22.4	33	PASS
Band25	20MHz	QPSK	26140	1RB#0	22.76	24.35	33	PASS
Band25	20MHz	QPSK	26140	1RB#49	22.87	24.46	33	PASS
Band25	20MHz	QPSK	26140	1RB#99	22.6	24.19	33	PASS
Band25	20MHz	QPSK	26140	100RB#0	21.87	23.46	33	PASS
Band25	20MHz	QPSK	26365	1RB#0	22.77	24.36	33	PASS
Band25	20MHz	QPSK	26365	1RB#49	22.88	24.47	33	PASS
Band25	20MHz	QPSK	26365	1RB#99	22.81	24.4	33	PASS
Band25	20MHz	QPSK	26365	100RB#0	21.9	23.49	33	PASS
Band25	20MHz	QPSK	26590	1RB#0	22.65	24.24	33	PASS
Band25	20MHz	QPSK	26590	1RB#49	22.74	24.33	33	PASS
Band25	20MHz	QPSK	26590	1RB#99	22.68	24.27	33	PASS
Band25	20MHz	QPSK	26590	100RB#0	21.8	23.39	33	PASS
Band25	20MHz	16QAM	26140	1RB#0	22.13	23.72	33	PASS
Band25	20MHz	16QAM	26140	1RB#49	22.17	23.76	33	PASS
Band25	20MHz	16QAM	26140	1RB#99	21.92	23.51	33	PASS
Band25	20MHz	16QAM	26140	100RB#0	20.78	22.37	33	PASS
Band25	20MHz	16QAM	26365	1RB#0	22.13	23.72	33	PASS
Band25	20MHz	16QAM	26365	1RB#49	21.98	23.57	33	PASS
Band25	20MHz	16QAM	26365	1RB#99	22.16	23.75	33	PASS
Band25	20MHz	16QAM	26365	100RB#0	20.82	22.41	33	PASS
Band25	20MHz	16QAM	26590	1RB#0	21.96	23.55	33	PASS
Band25	20MHz	16QAM	26590	1RB#49	21.96	23.55	33	PASS



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Band25	20MHz	16QAM	26590	1RB#99	21.82	23.41	33	PASS
Band25	20MHz	16QAM	26590	100RB#0	20.89	22.48	33	PASS



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Field Strength of Spurious Radiation

Test Band = LTE Band 25_ 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	3702	55.38	-48.50	28.98	-59.40	-13.00	46.40	Horizontal
2	5553.27	43.59	-47.66	32.71	-66.62	-13.00	53.62	Horizontal
3	7404.36	42.38	-46.17	36.57	-62.48	-13.00	49.48	Horizontal
4	9255.45	40.35	-43.17	37.83	-60.25	-13.00	47.25	Horizontal
5	11106.54	37.01	-40.36	39.38	-59.23	-13.00	46.23	Horizontal
6	12957.63	35.93	-39.41	38.63	-60.11	-13.00	47.11	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3702	48.69	-48.50	28.98	-66.09	-13.00	53.09	Vertical
2	5553.27	44.97	-47.66	32.71	-65.24	-13.00	52.24	Vertical
3	7404.36	42.06	-46.17	36.57	-62.80	-13.00	49.80	Vertical
4	9255.45	41.22	-43.17	37.83	-59.38	-13.00	46.38	Vertical
5	11106.54	37.25	-40.36	39.38	-58.99	-13.00	45.99	Vertical
6	12957.63	36.08	-39.41	38.63	-59.96	-13.00	46.96	Vertical



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Test Band = LTE Band 25_ 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	3742.18	52.39	-48.37	29.04	-62.20	-13.00	49.20	Horizontal
2	5613.27	43.93	-47.67	32.72	-66.28	-13.00	53.28	Horizontal
3	7484.36	40.97	-46.17	36.76	-63.70	-13.00	50.70	Horizontal
4	9355.45	39.98	-42.97	37.92	-60.33	-13.00	47.33	Horizontal
5	11226.54	37.22	-40.37	39.35	-59.06	-13.00	46.06	Horizontal
6	13097.63	35.97	-38.42	38.83	-58.88	-13.00	45.88	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3742.18	45.53	-48.37	29.04	-69.06	-13.00	56.06	Vertical
2	5613.27	45.79	-47.67	32.72	-64.42	-13.00	51.42	Vertical
3	7484.36	41.54	-46.17	36.76	-63.13	-13.00	50.13	Vertical
4	9355.45	42.24	-42.97	37.92	-58.07	-13.00	45.07	Vertical
5	11226.54	36.57	-40.37	39.35	-59.71	-13.00	46.71	Vertical
6	13097.63	36.15	-38.42	38.83	-58.70	-13.00	45.70	Vertical



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**Test Band = LTE Band 25_ 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	3792	54.09	-48.21	29.11	-60.27	-13.00	47.27	Horizontal
2	5688.27	43.12	-47.51	32.74	-66.92	-13.00	53.92	Horizontal
3	7584.36	40.58	-44.81	36.70	-62.80	-13.00	49.80	Horizontal
4	9480.45	39.51	-42.50	38.03	-60.22	-13.00	47.22	Horizontal
5	11376.54	36.97	-40.17	39.32	-59.13	-13.00	46.13	Horizontal
6	13272.63	36.72	-38.98	39.23	-58.30	-13.00	45.30	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3792	49.57	-48.21	29.11	-64.79	-13.00	51.79	Vertical
2	5688.27	43.66	-47.51	32.74	-66.38	-13.00	53.38	Vertical
3	7584.36	40.94	-44.81	36.70	-62.44	-13.00	49.44	Vertical
4	9480.45	41.57	-42.50	38.03	-58.16	-13.00	45.16	Vertical
5	11376.54	37.28	-40.17	39.32	-58.82	-13.00	45.82	Vertical
6	13272.63	36.70	-38.98	39.23	-58.32	-13.00	45.32	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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