



Report No.: SUCR240100000801

Rev.: 01

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Appendix B.13

LTE Band 18(824-830)



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Effective (Isotropic) Radiated Power Output Data Test ResultAnt0

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
18(824-830)	5MHz	QPSK	23965	1RB#0	23.2	22.16	38.45	PASS
18(824-830)	5MHz	16QAM	23965	1RB#0	22.13	21.09	38.45	PASS
18(824-830)	5MHz	QPSK	23965	1RB#12	23.23	22.19	38.45	PASS
18(824-830)	5MHz	16QAM	23965	1RB#12	22.29	21.25	38.45	PASS
18(824-830)	5MHz	QPSK	23965	1RB#24	23.23	22.19	38.45	PASS
18(824-830)	5MHz	16QAM	23965	1RB#24	22.18	21.14	38.45	PASS
18(824-830)	5MHz	QPSK	23965	25RB#0	22.28	21.24	38.45	PASS
18(824-830)	5MHz	16QAM	23965	25RB#0	21.22	20.18	38.45	PASS
18(824-830)	5MHz	QPSK	23970	1RB#0	23.21	22.17	38.45	PASS
18(824-830)	5MHz	16QAM	23970	1RB#0	22.34	21.3	38.45	PASS
18(824-830)	5MHz	QPSK	23970	1RB#12	23.25	22.21	38.45	PASS
18(824-830)	5MHz	16QAM	23970	1RB#12	22.42	21.38	38.45	PASS
18(824-830)	5MHz	QPSK	23970	1RB#24	23.3	22.26	38.45	PASS
18(824-830)	5MHz	16QAM	23970	1RB#24	22.45	21.41	38.45	PASS
18(824-830)	5MHz	QPSK	23970	25RB#0	22.27	21.23	38.45	PASS
18(824-830)	5MHz	16QAM	23970	25RB#0	21.23	20.19	38.45	PASS
18(824-830)	5MHz	QPSK	23975	1RB#0	23.25	22.21	38.45	PASS
18(824-830)	5MHz	16QAM	23975	1RB#0	22.2	21.16	38.45	PASS
18(824-830)	5MHz	QPSK	23975	1RB#12	23.44	22.4	38.45	PASS
18(824-830)	5MHz	16QAM	23975	1RB#12	22.3	21.26	38.45	PASS
18(824-830)	5MHz	QPSK	23975	1RB#24	23.34	22.3	38.45	PASS
18(824-830)	5MHz	16QAM	23975	1RB#24	22.31	21.27	38.45	PASS
18(824-830)	5MHz	QPSK	23975	25RB#0	22.32	21.28	38.45	PASS
18(824-830)	5MHz	16QAM	23975	25RB#0	21.26	20.22	38.45	PASS



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Field Strength of Spurious Radiation

Test Band = LTE_18 (824-830) _TM1

Test Channel = LCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1648.5	59.10	-47.52	25.49	-58.19	-13.00	45.19	Horizontal
2	2473	64.73	-46.67	27.69	-49.51	-13.00	36.51	Horizontal
3	3591	46.83	-44.57	28.92	-64.08	-13.00	51.08	Horizontal
4	5524.5	48.99	-41.87	32.30	-55.84	-13.00	42.84	Horizontal
5	7386.5	41.93	-38.41	36.65	-55.09	-13.00	42.09	Horizontal
6	9999.5	39.17	-35.68	38.70	-53.07	-13.00	40.07	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1648.5	62.72	-47.52	25.49	-54.57	-13.00	41.57	Vertical
2	2473	62.56	-46.67	27.69	-51.68	-13.00	38.68	Vertical
3	3675.5	46.48	-44.48	29.30	-63.96	-13.00	50.96	Vertical
4	5524.5	49.32	-41.87	32.30	-55.51	-13.00	42.51	Vertical
5	7408.5	41.99	-38.35	36.72	-54.90	-13.00	41.90	Vertical
6	9556.5	39.99	-35.84	37.80	-53.31	-13.00	40.31	Vertical



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Test Band = LTE_18 (824-830) _TM1

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.5	58.90	-47.52	25.50	-58.38	-13.00	45.38	Horizontal
2	2474.5	64.89	-46.67	27.70	-49.34	-13.00	36.34	Horizontal
3	3646.5	46.61	-44.48	29.27	-63.86	-13.00	50.86	Horizontal
4	5524.5	49.22	-41.87	32.30	-55.61	-13.00	42.61	Horizontal
5	7413.5	41.68	-38.35	36.73	-55.20	-13.00	42.20	Horizontal
6	9515	40.12	-35.80	37.80	-53.14	-13.00	40.14	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1649.5	60.90	-47.52	25.50	-56.38	-13.00	43.38	Vertical
2	2474.5	61.75	-46.67	27.70	-52.48	-13.00	39.48	Vertical
3	3591	46.82	-44.57	28.92	-64.09	-13.00	51.09	Vertical
4	5524.5	48.80	-41.87	32.30	-56.03	-13.00	43.03	Vertical
5	7403.5	41.77	-38.35	36.71	-55.13	-13.00	42.13	Vertical
6	9553.5	39.94	-35.83	37.80	-53.35	-13.00	40.35	Vertical



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Test Band = LTE_18 (824-830) _TM1

Test Channel = HCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1650.5	58.85	-47.52	25.50	-58.43	-13.00	45.43	Horizontal
2	2476	65.69	-46.67	27.70	-48.54	-13.00	35.54	Horizontal
3	3633.5	46.97	-44.48	29.17	-63.60	-13.00	50.60	Horizontal
4	5524.5	48.93	-41.87	32.30	-55.90	-13.00	42.90	Horizontal
5	7488.5	41.76	-38.38	36.88	-55.00	-13.00	42.00	Horizontal
6	9548.5	39.92	-35.83	37.80	-53.37	-13.00	40.37	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1650.5	59.93	-47.52	25.50	-57.35	-13.00	44.35	Vertical
2	2476	61.13	-46.67	27.70	-53.10	-13.00	40.10	Vertical
3	3715	46.54	-44.59	29.39	-63.92	-13.00	50.92	Vertical
4	5524.5	48.64	-41.87	32.30	-56.19	-13.00	43.19	Vertical
5	7421	41.75	-38.36	36.74	-55.13	-13.00	42.13	Vertical
6	9112.5	39.79	-35.55	37.03	-53.99	-13.00	40.99	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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