



Report No.: SUCR240100000801

Rev.: 01

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# Appendix B.14

## LTE Band 19



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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
Band19	5MHz	QPSK	24025	1RB#0	23.01	21.76	38.45	PASS
Band19	5MHz	16QAM	24025	1RB#0	22.22	20.97	38.45	PASS
Band19	5MHz	QPSK	24025	1RB#12	23.15	21.9	38.45	PASS
Band19	5MHz	16QAM	24025	1RB#12	22.27	21.02	38.45	PASS
Band19	5MHz	QPSK	24025	1RB#24	22.96	21.71	38.45	PASS
Band19	5MHz	16QAM	24025	1RB#24	22.14	20.89	38.45	PASS
Band19	5MHz	QPSK	24025	25RB#0	22.07	20.82	38.45	PASS
Band19	5MHz	16QAM	24025	25RB#0	21.07	19.82	38.45	PASS
Band19	5MHz	QPSK	24075	1RB#0	23.05	21.8	38.45	PASS
Band19	5MHz	16QAM	24075	1RB#0	21.96	20.71	38.45	PASS
Band19	5MHz	QPSK	24075	1RB#12	23.05	21.8	38.45	PASS
Band19	5MHz	16QAM	24075	1RB#12	22.07	20.82	38.45	PASS
Band19	5MHz	QPSK	24075	1RB#24	22.95	21.7	38.45	PASS
Band19	5MHz	16QAM	24075	1RB#24	21.78	20.53	38.45	PASS
Band19	5MHz	QPSK	24075	25RB#0	21.97	20.72	38.45	PASS
Band19	5MHz	16QAM	24075	25RB#0	20.9	19.65	38.45	PASS
Band19	5MHz	QPSK	24125	1RB#0	22.74	21.49	38.45	PASS
Band19	5MHz	16QAM	24125	1RB#0	21.48	20.23	38.45	PASS
Band19	5MHz	QPSK	24125	1RB#12	22.63	21.38	38.45	PASS
Band19	5MHz	16QAM	24125	1RB#12	21.44	20.19	38.45	PASS
Band19	5MHz	QPSK	24125	1RB#24	22.38	21.13	38.45	PASS
Band19	5MHz	16QAM	24125	1RB#24	21.34	20.09	38.45	PASS
Band19	5MHz	QPSK	24125	25RB#0	21.41	20.16	38.45	PASS
Band19	5MHz	16QAM	24125	25RB#0	20.4	19.15	38.45	PASS
Band19	10MHz	QPSK	24050	1RB#0	23.06	21.81	38.45	PASS
Band19	10MHz	16QAM	24050	1RB#0	21.98	20.73	38.45	PASS
Band19	10MHz	QPSK	24050	1RB#24	23.13	21.88	38.45	PASS
Band19	10MHz	16QAM	24050	1RB#24	22.11	20.86	38.45	PASS
Band19	10MHz	QPSK	24050	1RB#49	22.77	21.52	38.45	PASS
Band19	10MHz	16QAM	24050	1RB#49	21.53	20.28	38.45	PASS
Band19	10MHz	QPSK	24050	50RB#0	21.73	20.48	38.45	PASS
Band19	10MHz	16QAM	24050	50RB#0	20.73	19.48	38.45	PASS
Band19	10MHz	QPSK	24075	1RB#0	22.87	21.62	38.45	PASS
Band19	10MHz	16QAM	24075	1RB#0	21.69	20.44	38.45	PASS
Band19	10MHz	QPSK	24075	1RB#24	22.57	21.32	38.45	PASS
Band19	10MHz	16QAM	24075	1RB#24	21.79	20.54	38.45	PASS
Band19	10MHz	QPSK	24075	1RB#49	22.35	21.1	38.45	PASS
Band19	10MHz	16QAM	24075	1RB#49	21.63	20.38	38.45	PASS
Band19	10MHz	QPSK	24075	50RB#0	21.45	20.2	38.45	PASS
Band19	10MHz	16QAM	24075	50RB#0	20.41	19.16	38.45	PASS
Band19	10MHz	QPSK	24100	1RB#0	22.48	21.23	38.45	PASS
Band19	10MHz	16QAM	24100	1RB#0	21.54	20.29	38.45	PASS
Band19	10MHz	QPSK	24100	1RB#24	22.52	21.27	38.45	PASS
Band19	10MHz	16QAM	24100	1RB#24	21.62	20.37	38.45	PASS



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Band19	10MHz	QPSK	24100	1RB#49	22.42	21.17	38.45	PASS
Band19	10MHz	16QAM	24100	1RB#49	21.51	20.26	38.45	PASS
Band19	10MHz	QPSK	24100	50RB#0	21.52	20.27	38.45	PASS
Band19	10MHz	16QAM	24100	50RB#0	20.51	19.26	38.45	PASS
Band19	15MHz	QPSK	24075	1RB#0	22.39	21.14	38.45	PASS
Band19	15MHz	16QAM	24075	1RB#0	21.64	20.39	38.45	PASS
Band19	15MHz	QPSK	24075	1RB#38	22.48	21.23	38.45	PASS
Band19	15MHz	16QAM	24075	1RB#38	21.61	20.36	38.45	PASS
Band19	15MHz	QPSK	24075	1RB#74	22.35	21.1	38.45	PASS
Band19	15MHz	16QAM	24075	1RB#74	21.52	20.27	38.45	PASS
Band19	15MHz	QPSK	24075	75RB#0	21.5	20.25	38.45	PASS
Band19	15MHz	16QAM	24075	75RB#0	20.4	19.15	38.45	PASS



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## Field Strength of Spurious Radiation

Test Band = LTE\_19\_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	1661.5	61.65	-47.50	25.41	-55.70	-13.00	42.70	Horizontal
2	2492.5	67.69	-46.68	27.77	-46.48	-13.00	33.48	Horizontal
3	3545	46.83	-45.02	29.01	-64.44	-13.00	51.44	Horizontal
4	5524.5	48.99	-41.87	32.30	-55.84	-13.00	42.84	Horizontal
5	7382	41.84	-38.43	36.63	-55.22	-13.00	42.22	Horizontal
6	9542.5	39.90	-35.82	37.80	-53.38	-13.00	40.38	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1661.5	64.75	-47.50	25.41	-52.60	-13.00	39.60	Vertical
2	2492.5	68.21	-46.68	27.77	-45.96	-13.00	32.96	Vertical
3	3441	46.53	-45.50	28.85	-65.38	-13.00	52.38	Vertical
4	4366	45.24	-43.14	29.96	-63.20	-13.00	50.20	Vertical
5	5524.5	48.51	-41.87	32.30	-56.32	-13.00	43.32	Vertical
6	9009	40.40	-36.08	36.66	-54.28	-13.00	41.28	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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