

Appendix B.23

LTE CA_7C



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Effective (Isotropic) Radiated Power Output Data

Test Result

ANT0

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	100RB#0-100RB#0	22.52	23.07	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	20850-21048	1RB#0-0RB#0	23.32	23.87	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	100RB#0-100RB#0	22.51	23.06	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21001-21199	1RB#0-0RB#0	23.44	23.99	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	100RB#0-100RB#0	22.62	23.17	33.00	PASS
7-7	20MHz-20MHz	QPSK-QPSK	21152-21350	1RB#0-0RB#0	23.43	23.98	33.00	PASS



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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
Wireless Laboratory

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Member of the SGS Group (SGS SA)

Field Strength of Spurious Radiation (Worse)

Test Band = LTE CA_7C_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	5002	53.67	-48.01	31.50	-58.09	-25.00	33.09	Horizontal
2	15006.5	44.46	-38.03	40.09	-48.74	-25.00	23.74	Horizontal
3	7503.27	40.13	-46.11	36.80	-64.45	-25.00	39.45	Horizontal
4	10004.36	42.15	-41.71	38.50	-56.31	-25.00	31.31	Horizontal
5	12505.45	35.85	-39.84	38.90	-60.35	-25.00	35.35	Horizontal
6	17507.63	34.32	-36.82	42.15	-55.61	-25.00	30.61	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5002	52.19	-48.01	31.50	-59.57	-25.00	34.57	Vertical
2	7503.27	41.48	-46.11	36.80	-63.10	-25.00	38.10	Vertical
3	10004.36	40.42	-41.71	38.50	-58.04	-25.00	33.04	Vertical
4	12505.45	36.18	-39.84	38.90	-60.02	-25.00	35.02	Vertical
5	15006.54	50.00	-38.03	40.09	-43.21	-25.00	18.21	Vertical
6	17507.63	34.67	-36.82	42.15	-55.26	-25.00	30.26	Vertical



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Test Band = LTE CA_7C_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	5032.38	55.75	-47.95	31.58	-55.88	-25.00	30.88	Horizontal
2	7548.27	41.20	-45.39	36.74	-62.71	-25.00	37.71	Horizontal
3	10064.76	41.61	-41.81	38.56	-56.90	-25.00	31.90	Horizontal
4	12580.95	36.42	-39.16	38.85	-59.15	-25.00	34.15	Horizontal
5	15097.14	42.33	-38.45	39.91	-51.46	-25.00	26.46	Horizontal
6	17613.33	34.99	-36.96	42.83	-54.41	-25.00	29.41	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5032.38	53.49	-47.95	31.58	-58.14	-25.00	33.14	Vertical
2	7548.27	40.78	-45.39	36.74	-63.13	-25.00	38.13	Vertical
3	10064.76	41.85	-41.81	38.56	-56.66	-25.00	31.66	Vertical
4	12580.95	36.60	-39.16	38.85	-58.97	-25.00	33.97	Vertical
5	15097.14	50.27	-38.45	39.91	-43.52	-25.00	18.52	Vertical
6	17613.33	34.12	-36.96	42.83	-55.28	-25.00	30.28	Vertical



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Test Band = LTE CA_7C_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	5062.5	53.76	-47.89	31.65	-57.74	-25.00	32.74	Horizontal
2	10125	44.28	-41.94	38.61	-54.31	-25.00	29.31	Horizontal
3	7593.87	40.21	-44.67	36.69	-63.03	-25.00	38.03	Horizontal
4	12656.45	36.86	-39.15	38.81	-58.74	-25.00	33.74	Horizontal
5	15187.74	41.61	-36.86	39.74	-50.77	-25.00	25.77	Horizontal
6	17719.03	33.69	-37.73	43.50	-55.80	-25.00	30.80	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5062.5	51.07	-47.89	31.65	-60.43	-25.00	35.43	Vertical
2	15187.5	47.79	-36.87	39.74	-44.59	-25.00	19.59	Vertical
3	7593.87	39.63	-44.67	36.69	-63.61	-25.00	38.61	Vertical
4	10125.16	42.35	-41.94	38.61	-56.24	-25.00	31.24	Vertical
5	12656.45	36.89	-39.15	38.81	-58.71	-25.00	33.71	Vertical
6	17719.03	33.66	-37.73	43.50	-55.83	-25.00	30.83	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

---End of Attachment---



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