

Appendix B.1

WCDMA Band II&IV&V



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Effective (Isotropic) Radiated Power Output Data

Test Result

Ant0

Band	Channel	Power(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band II	9262	23.12	23.37	33	PASS
Band II	9400	23.06	23.31	33	PASS
Band II	9538	23.19	23.44	33	PASS
Band IV	1312	23.22	24.69	30	PASS
Band IV	1413	23.15	24.62	30	PASS
Band IV	1513	23.17	24.64	30	PASS
Band	Channel	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band V	4132	23.06	23.59	38.45	PASS
Band V	4182	23.11	23.64	38.45	PASS
Band V	4233	23.07	23.6	38.45	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 = WCDMA Band V_ 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	1650.6667	66.49	-49.82	25.30	-53.29	-13.00	40.29	Horizontal
2	2479.2	44.18	-49.02	27.28	-72.82	-13.00	59.82	Horizontal
3	3305.6	44.20	-48.63	28.62	-71.07	-13.00	58.07	Horizontal
4	4132	42.72	-48.29	29.64	-71.19	-13.00	58.19	Horizontal
5	4958.4	42.75	-48.05	31.40	-69.16	-13.00	56.16	Horizontal
6	5784.8	42.96	-47.69	32.76	-67.23	-13.00	54.23	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1651.5556	62.48	-49.82	25.31	-57.30	-13.00	44.30	Vertical
2	2479.2	44.77	-49.02	27.28	-72.23	-13.00	59.23	Vertical
3	3305.6	44.12	-48.63	28.62	-71.15	-13.00	58.15	Vertical
4	4132	42.58	-48.29	29.64	-71.33	-13.00	58.33	Vertical
5	4958.4	42.89	-48.05	31.40	-69.02	-13.00	56.02	Vertical
6	5784.8	42.85	-47.69	32.76	-67.34	-13.00	54.34	Vertical



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Test Band = WCDMA Band V_ 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	1674.2222	68.62	-49.77	25.40	-51.02	-13.00	38.02	Horizontal
2	2509.2	43.84	-48.93	27.32	-73.02	-13.00	60.02	Horizontal
3	3345.6	44.56	-48.66	28.64	-70.72	-13.00	57.72	Horizontal
4	4182	43.33	-48.34	29.73	-70.54	-13.00	57.54	Horizontal
5	5018.4	42.55	-47.95	31.54	-69.12	-13.00	56.12	Horizontal
6	5854.8	42.80	-47.33	32.77	-67.02	-13.00	54.02	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1674.2222	65.91	-49.77	25.40	-53.73	-13.00	40.73	Vertical
2	2509.2	45.31	-48.93	27.32	-71.55	-13.00	58.55	Vertical
3	3345.6	44.06	-48.66	28.64	-71.22	-13.00	58.22	Vertical
4	4182	43.40	-48.34	29.73	-70.47	-13.00	57.47	Vertical
5	5018.4	42.30	-47.95	31.54	-69.37	-13.00	56.37	Vertical
6	5854.8	42.40	-47.33	32.77	-67.42	-13.00	54.42	Vertical



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Test Band = WCDMA Band V_ 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	1694.6667	69.60	-49.73	25.48	-49.91	-13.00	36.91	Horizontal
2	2539.8	44.95	-49.01	27.40	-71.92	-13.00	58.92	Horizontal
3	3386.4	44.38	-48.68	28.65	-70.91	-13.00	57.91	Horizontal
4	4233	43.41	-48.25	29.82	-70.28	-13.00	57.28	Horizontal
5	5079.6	43.36	-47.93	31.69	-68.14	-13.00	55.14	Horizontal
6	5926.2	43.09	-47.17	32.79	-66.56	-13.00	53.56	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1694.6667	68.47	-49.73	25.48	-51.04	-13.00	38.04	Vertical
2	2539.8	43.94	-49.01	27.40	-72.93	-13.00	59.93	Vertical
3	3386.4	43.88	-48.68	28.65	-71.41	-13.00	58.41	Vertical
4	4233	42.93	-48.25	29.82	-70.76	-13.00	57.76	Vertical
5	5079.6	42.27	-47.93	31.69	-69.23	-13.00	56.23	Vertical
6	5926.2	42.41	-47.17	32.79	-67.24	-13.00	54.24	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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