Appendix B.2

WCDMA Band II & IV & V

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南部 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Effective (Isotropic) Radiated Power Output Data

Test for spot check:

Test Result

Band	Channel	Power(dBm)	EIRP	Limit(dBm)	Verdict
BandII	9262	22.41	24.02	33	PASS
BandII	9400	22.34	23.95	33	PASS
BandII	9538	22.30	23.91	33	PASS
Band	Channel	Power(dBm)	EIRP	Limit(dBm)	Verdict
BandIV	1312	22.43	23.30	30	PASS
BandIV	1413	22.42	23.29	30	PASS
BandIV	1513	22.56	23.43	30	PASS
Band	Channel	Power(dBm)	ERP	Limit(dBm)	Verdict
BandV	4132	22.30	19.47	38.5	PASS
BandV	4182	22.35	19.52	38.5	PASS
BandV	4233	22.41	19.58	38.5	PASS

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Field Strength of Spurious Radiation

Test for spot check:

Test Band = WCDMA II_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3760	42.04	-45.54	30.03	-68.73	-13.00	55.73	175	280	Horizontal
2	5640	40.63	-43.81	33.05	-65.39	-13.00	52.39	244	314	Horizontal
3	7520	38.71	-41.53	36.54	-61.54	-13.00	48.54	209	4	Horizontal
4	9400	35.17	-38.16	38.56	-59.69	-13.00	46.69	156	50	Horizontal
5	11280	31.48	-35.28	39.32	-59.74	-13.00	46.74	235	343	Horizontal
6	13160	31.52	-34.68	39.70	-58.72	-13.00	45.72	188	215	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3760	42.43	-45.54	30.03	-68.34	-13.00	55.34	296	78	Vertical
2	5640	40.27	-43.81	33.05	-65.75	-13.00	52.75	233	325	Vertical
3	7520	38.53	-41.53	36.54	-61.72	-13.00	48.72	214	175	Vertical
4	9400	35.43	-38.16	38.56	-59.43	-13.00	46.43	185	325	Vertical
5	11280	31.81	-35.28	39.32	-59.41	-13.00	46.41	154	357	Vertical
6	13160	31.16	-34.68	39.70	-59.08	-13.00	46.08	218	209	Vertical

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Test Band = WCDMA IV_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3468	47.04	-45.77	29.41	-64.57	-13.00	51.57	182	130	Horizontal
2	5197.8	41.09	-44.15	32.60	-65.72	-13.00	52.72	163	1	Horizontal
3	6930.4	41.07	-42.48	36.06	-60.61	-13.00	47.61	254	212	Horizontal
4	8663	36.39	-39.54	38.23	-60.18	-13.00	47.18	174	0	Horizontal
5	10395.6	31.86	-36.49	38.94	-60.95	-13.00	47.95	199	2	Horizontal
6	12128.2	32.43	-35.20	38.73	-59.30	-13.00	46.30	216	196	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3466.5	46.79	-45.77	29.41	-64.83	-13.00	51.83	215	295	Vertical
2	5197.8	41.37	-44.15	32.60	-65.44	-13.00	52.44	247	46	Vertical
3	6930.4	40.29	-42.48	36.06	-61.39	-13.00	48.39	186	30	Vertical
4	8663	36.14	-39.54	38.23	-60.43	-13.00	47.43	159	328	Vertical
5	10395.6	31.41	-36.49	38.94	-61.40	-13.00	48.40	144	346	Vertical
6	12128.2	31.67	-35.20	38.73	-60.06	-13.00	47.06	223	148	Vertical

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Test Band = WCDMA V_ TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1674	67.23	-48.31	25.56	-50.78	-13.00	37.78	146	360	Horizontal
2	2509.2	45.86	-46.79	27.93	-68.26	-13.00	55.26	213	132	Horizontal
3	3345.6	45.71	-46.19	29.46	-66.28	-13.00	53.28	268	118	Horizontal
4	4182	42.40	-45.16	30.89	-67.13	-13.00	54.13	141	235	Horizontal
5	5018.4	40.44	-44.93	32.60	-67.15	-13.00	54.15	256	72	Horizontal
6	5854.8	40.02	-43.34	33.74	-64.84	-13.00	51.84	188	204	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1675	63.48	-48.31	25.56	-54.53	-13.00	41.53	159	34	Vertical
2	2509.2	48.12	-46.79	27.93	-66.00	-13.00	53.00	213	213	Vertical
3	3345.6	46.43	-46.19	29.46	-65.56	-13.00	52.56	228	331	Vertical
4	4182	41.70	-45.16	30.89	-67.83	-13.00	54.83	147	0	Vertical
5	5018.4	39.75	-44.93	32.60	-67.84	-13.00	54.84	185	48	Vertical
6	5854.8	41.17	-43.34	33.74	-63.69	-13.00	50.69	166	317	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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