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Appendix B.1

WCDMA Band II&IV&V



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t (86-512) 62992980 sgs.china@sgs.com

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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power(dBm)	EIRP	Limit(dBm)	Verdict
Band II	9262	23.04	27.65	33.01	PASS
Band II	9400	23.27	27.88	33.01	PASS
Band II	9538	23.15	27.76	33.01	PASS
Band IV	1312	23.20	25.38	30.00	PASS
Band IV	1413	23.27	25.45	30.00	PASS
Band IV	1513	23.34	25.52	30.00	PASS
Band	Channel	Power(dBm)	ERP	Limit(dBm)	Verdict
Band V	4132	23.51	23.79	38.45	PASS
Band V	4182	23.48	23.76	38.45	PASS
Band V	4233	23.58	23.86	38.45	PASS



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t (86-512) 62992980 www.sgsgroup.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Field Strength of Spurious Radiation

Test Band = WCDMA Band II_ TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3703.5	57.14	-45.51	29.98	-53.65	-13.00	40.65	216	318	Horizontal
2	5557.2000	54.28	-45.14	32.97	-53.15	-13.00	40.15	235	301	Horizontal
3	7409.6000	49.18	-43.38	36.49	-52.98	-13.00	39.98	148	0	Horizontal
4	9262.0000	45.51	-40.23	38.39	-51.59	-13.00	38.59	195	196	Horizontal
5	11114.4000	43.05	-37.88	39.09	-51.00	-13.00	38.00	172	1	Horizontal
6	13707.75	45.13	-36.18	40.05	-46.26	-13.00	33.26	122	0	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	3702	59.47	-45.51	29.98	-51.32	-13.00	38.32	215	209	Vertical
2	5560.5	58.53	-45.14	32.98	-48.89	-13.00	35.89	111	224	Vertical
3	7520.0000	47.46	-43.10	36.43	-54.47	-13.00	41.47	291	162	Vertical
4	9400.0000	45.38	-39.83	38.49	-51.22	-13.00	38.22	148	238	Vertical
5	11280.0000	43.39	-37.41	39.11	-50.17	-13.00	37.17	188	195	Vertical
6	15852	44.43	-33.68	38.11	-46.40	-13.00	33.40	218	89	Vertical



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Test Band = WCDMA Band 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	3758.25	59.79	-45.74	30.18	-51.03	-13.00	38.03	215	317	Horizontal
2	5637	56.52	-44.99	33.16	-50.57	-13.00	37.57	230	7	Horizontal
3	7520.0000	46.84	-43.10	36.43	-55.09	-13.00	42.09	266	239	Horizontal
4	9400.0000	45.52	-39.83	38.49	-51.08	-13.00	38.08	291	134	Horizontal
5	11280.0000	43.25	-37.41	39.11	-50.31	-13.00	37.31	147	346	Horizontal
6	15777.75	44.35	-33.17	38.23	-45.85	-13.00	32.85	174	0	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	3758.25	64.11	-45.74	30.18	-46.71	-13.00	33.71	218	59	Vertical
2	5636.25	58.45	-44.99	33.15	-48.65	-13.00	35.65	195	239	Vertical
3	7520.0000	47.30	-43.10	36.43	-54.63	-13.00	41.63	147	28	Vertical
4	9400.0000	46.04	-39.83	38.49	-50.56	-13.00	37.56	211	2	Vertical
5	11280.0000	43.44	-37.41	39.11	-50.12	-13.00	37.12	230	148	Vertical
6	14443.5	43.48	-34.82	40.05	-46.55	-13.00	33.55	136	89	Vertical



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Test Band = WCDMA Band II_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3817.5	62.29	-45.98	30.37	-48.58	-13.00	35.58	223	89	Horizontal
2	5720.25	61.12	-44.83	33.46	-45.51	-13.00	32.51	251	179	Horizontal
3	7630.0000	47.68	-42.99	36.45	-54.12	-13.00	41.12	196	179	Horizontal
4	9538.0000	44.01	-40.01	38.46	-52.81	-13.00	39.81	145	209	Horizontal
5	11445.6000	41.80	-37.34	39.06	-51.74	-13.00	38.74	172	15	Horizontal
6	14596.5	44.47	-35.27	39.94	-46.12	-13.00	33.12	135	269	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	3816.75	67.44	-45.98	30.37	-43.43	-13.00	30.43	213	56	Vertical
2	5724.75	62.24	-44.83	33.48	-44.37	-13.00	31.37	261	208	Vertical
3	7630.0000	48.04	-42.99	36.45	-53.76	-13.00	40.76	145	254	Vertical
4	9538.0000	44.18	-40.01	38.46	-52.64	-13.00	39.64	185	2	Vertical
5	11445.6000	41.85	-37.34	39.06	-51.69	-13.00	38.69	199	194	Vertical
6	14992.5	44.11	-34.63	39.24	-46.55	-13.00	33.55	133	28	Vertical



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Test Band = WCDMA Band IV_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3426.75	61.51	-46.27	29.45	-50.57	-13.00	37.57	169	240	Horizontal
2	5137.2000	50.26	-45.34	32.96	-57.38	-13.00	44.38	195	255	Horizontal
3	6849.6000	47.97	-44.14	35.90	-55.53	-13.00	42.53	148	89	Horizontal
4	8562.0000	45.24	-41.44	37.67	-53.79	-13.00	40.79	175	105	Horizontal
5	10274.4000	43.47	-39.19	38.83	-52.15	-13.00	39.15	122	164	Horizontal
6	13920.75	43.64	-35.51	40.07	-47.06	-13.00	34.06	142	29	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	3427.5	60.02	-46.27	29.45	-52.06	-13.00	39.06	185	165	Vertical
2	5134.5	56.04	-45.34	32.95	-51.60	-13.00	38.60	142	225	Vertical
3	6849.6000	49.11	-44.14	35.90	-54.39	-13.00	41.39	136	180	Vertical
4	8562.0000	46.62	-41.44	37.67	-52.41	-13.00	39.41	291	120	Vertical
5	10274.4000	43.37	-39.19	38.83	-52.25	-13.00	39.25	185	30	Vertical
6	14431.5	43.11	-34.81	40.06	-46.90	-13.00	33.90	144	151	Vertical



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Test Band = WCDMA Band 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	3463.5	58.58	-46.27	29.49	-53.46	-13.00	40.46	218	242	Horizontal
2	5197.8000	49.73	-45.28	32.99	-57.82	-13.00	44.82	156	107	Horizontal
3	6930.4000	48.39	-43.93	36.00	-54.80	-13.00	41.80	291	151	Horizontal
4	8663.0000	46.41	-41.56	37.85	-52.55	-13.00	39.55	147	0	Horizontal
5	10395.6000	45.37	-39.01	38.86	-50.04	-13.00	37.04	175	301	Horizontal
6	13638	43.86	-36.11	40.11	-47.40	-13.00	34.40	135	316	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	3463.5	57.47	-46.27	29.49	-54.57	-13.00	41.57	210	165	Vertical
2	5197.8000	52.07	-45.28	32.99	-55.48	-13.00	42.48	235	120	Vertical
3	6930.4000	48.94	-43.93	36.00	-54.25	-13.00	41.25	291	346	Vertical
4	8663.0000	46.12	-41.56	37.85	-52.84	-13.00	39.84	148	134	Vertical
5	10395.6000	41.82	-39.01	38.86	-53.59	-13.00	40.59	175	61	Vertical
6	14433	42.63	-34.81	40.06	-47.39	-13.00	34.39	160	76	Vertical



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Test Band = WCDMA Band IV_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3502.5	61.20	-46.26	29.52	-50.79	-13.00	37.79	154	240	Horizontal
2	5261.25	53.42	-45.16	32.93	-54.07	-13.00	41.07	126	286	Horizontal
3	7010.4000	49.39	-43.62	36.11	-53.38	-13.00	40.38	136	196	Horizontal
4	8763.0000	46.28	-41.41	38.02	-52.37	-13.00	39.37	261	105	Horizontal
5	10515.6000	43.32	-38.75	38.98	-51.71	-13.00	38.71	175	43	Horizontal
6	13710.75	44.02	-36.19	40.04	-47.38	-13.00	34.38	190	209	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	3507	60.11	-46.25	29.53	-51.87	-13.00	38.87	169	168	Vertical
2	5260.5	56.13	-45.17	32.93	-51.36	-13.00	38.36	191	242	Vertical
3	7010.4000	48.47	-43.62	36.11	-54.30	-13.00	41.30	126	227	Vertical
4	8763.0000	46.38	-41.41	38.02	-52.27	-13.00	39.27	175	61	Vertical
5	10515.6000	41.39	-38.75	38.98	-53.64	-13.00	40.64	199	0	Vertical
6	14391	42.45	-34.92	40.09	-47.65	-13.00	34.65	217	30	Vertical



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Test Band = WCDMA Band V_ TM1
Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1651.4286	58.32	-48.22	25.37	-59.79	-13.00	46.79	215	79	Horizontal
2	2479.2000	51.31	-47.31	27.70	-63.55	-13.00	50.55	196	26	Horizontal
3	3305.6000	51.50	-46.67	29.55	-60.88	-13.00	47.88	145	197	Horizontal
4	4132.0000	49.47	-45.92	31.00	-60.71	-13.00	47.71	172	359	Horizontal
5	4958.4000	49.94	-45.72	32.76	-58.27	-13.00	45.27	231	305	Horizontal
6	7393.1429	50.51	-43.27	36.49	-51.53	-13.00	38.53	106	26	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	1652.8000	51.84	-48.22	25.37	-66.26	-13.00	53.26	211	202	Vertical
2	2479.2000	51.83	-47.31	27.70	-63.03	-13.00	50.03	236	44	Vertical
3	3305.6000	52.81	-46.67	29.55	-59.57	-13.00	46.57	261	0	Vertical
4	4132.0000	50.06	-45.92	31.00	-60.12	-13.00	47.12	148	31	Vertical
5	4958.4000	51.15	-45.72	32.76	-57.06	-13.00	44.06	175	282	Vertical
6	6646.2857	52.02	-44.29	35.53	-52.00	-13.00	39.00	190	308	Vertical



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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号厂房南面 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

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Test Band = WCDMA Band 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	1671.4286	56.36	-48.19	25.38	-61.72	-13.00	48.72	216	93	Horizontal
2	2505.1429	57.20	-47.25	27.79	-57.53	-13.00	44.53	233	201	Horizontal
3	3345.6000	51.25	-46.62	29.50	-61.13	-13.00	48.13	175	359	Horizontal
4	4182.0000	48.90	-45.95	31.07	-61.24	-13.00	48.24	145	360	Horizontal
5	5018.4000	51.99	-45.73	32.89	-56.11	-13.00	43.11	191	332	Horizontal
6	7251.4286	49.96	-43.66	36.57	-52.39	-13.00	39.39	210	106	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	1672.8000	52.60	-48.19	25.38	-65.47	-13.00	52.47	129	268	Vertical
2	2509.2000	51.81	-47.24	27.80	-62.88	-13.00	49.88	148	68	Vertical
3	3345.6000	51.11	-46.62	29.50	-61.27	-13.00	48.27	175	68	Vertical
4	4182.0000	48.86	-45.95	31.07	-61.28	-13.00	48.28	136	54	Vertical
5	5018.4000	49.17	-45.73	32.89	-58.93	-13.00	45.93	210	8	Vertical
6	7419.4286	50.37	-43.29	36.48	-51.70	-13.00	38.70	175	320	Vertical



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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号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Test Band = WCDMA Band V_ TM1
Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1691.4286	58.33	-48.17	25.39	-59.71	-13.00	46.71	145	12	Horizontal
2	2539.8000	52.43	-47.13	27.90	-62.06	-13.00	49.06	191	92	Horizontal
3	3386.4000	50.69	-46.56	29.45	-61.68	-13.00	48.68	172	225	Horizontal
4	4233.0000	49.62	-45.90	31.17	-60.37	-13.00	47.37	255	25	Horizontal
5	5079.6000	48.70	-45.47	32.92	-59.10	-13.00	46.10	163	359	Horizontal
6	7431.4286	50.94	-43.31	36.47	-51.16	-13.00	38.16	142	165	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	1693.2000	52.67	-48.17	25.39	-65.37	-13.00	52.37	249	148	Vertical
2	2539.8000	51.15	-47.13	27.90	-63.34	-13.00	50.34	176	17	Vertical
3	3386.4000	50.46	-46.56	29.45	-61.91	-13.00	48.91	138	9	Vertical
4	4233.0000	49.90	-45.90	31.17	-60.09	-13.00	47.09	140	0	Vertical
5	5079.6000	48.26	-45.47	32.92	-59.54	-13.00	46.54	126	55	Vertical
6	6949.7143	50.77	-43.87	36.02	-52.34	-13.00	39.34	190	295	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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t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

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