

Report No.: SEWM2302000052RG02

Rev.: 01

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Appendix B.2

WCDMA Band II & IV & V



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Effective (Isotropic) Radiated Power Output Data

Test for spot check:

Test Result

Band	Channel	Power(dBm)	EIRP	Limit(dBm)	Verdict
BandII	9262	22.30	23.91	33	PASS
BandII	9400	22.01	23.62	33	PASS
BandII	9538	22.10	23.71	33	PASS
Band	Channel	Power(dBm)	EIRP	Limit(dBm)	Verdict
BandIV	1312	22.50	23.37	30	PASS
BandIV	1413	22.42	23.29	30	PASS
BandIV	1513	22.55	23.42	30	PASS
Band	Channel	Power(dBm)	ERP	Limit(dBm)	Verdict
BandV	4132	22.34	19.51	38.5	PASS
BandV	4182	22.29	19.46	38.5	PASS
BandV	4233	22.23	19.40	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	41.88	-45.54	30.03	-68.89	-13.00	55.89	186	246	Horizontal
2	5640	40.61	-43.81	33.05	-65.41	-13.00	52.41	201	246	Horizontal
3	7520	38.40	-41.53	36.54	-61.85	-13.00	48.85	163	65	Horizontal
4	9400	36.03	-38.16	38.56	-58.83	-13.00	45.83	225	131	Horizontal
5	11280	31.39	-35.28	39.32	-59.83	-13.00	46.83	198	279	Horizontal
6	13160	31.27	-34.68	39.70	-58.97	-13.00	45.97	235	279	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	42.10	-45.54	30.03	-68.67	-13.00	55.67	219	178	Vertical
2	5640	40.37	-43.81	33.05	-65.65	-13.00	52.65	168	243	Vertical
3	7520	39.31	-41.53	36.54	-60.94	-13.00	47.94	211	147	Vertical
4	9400	35.82	-38.16	38.56	-59.04	-13.00	46.04	182	359	Vertical
5	11280	31.63	-35.28	39.32	-59.59	-13.00	46.59	266	193	Vertical
6	13160	30.85	-34.68	39.70	-59.39	-13.00	46.39	149	360	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	3466.5	48.22	-45.77	29.41	-63.40	-13.00	50.40	234	132	Horizontal
2	5197.8	41.57	-44.15	32.60	-65.24	-13.00	52.24	193	358	Horizontal
3	6930.4	40.82	-42.48	36.06	-60.86	-13.00	47.86	228	213	Horizontal
4	8663	37.81	-39.54	38.23	-58.76	-13.00	45.76	146	147	Horizontal
5	10395.6	31.67	-36.49	38.94	-61.14	-13.00	48.14	210	360	Horizontal
6	12128.2	32.04	-35.20	38.73	-59.69	-13.00	46.69	156	31	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	49.43	-45.78	29.41	-62.19	-13.00	49.19	163	296	Vertical
2	5197.8	40.82	-44.15	32.60	-65.99	-13.00	52.99	247	328	Vertical
3	6930.4	40.42	-42.48	36.06	-61.26	-13.00	48.26	188	262	Vertical
4	8663	35.91	-39.54	38.23	-60.66	-13.00	47.66	241	279	Vertical
5	10395.6	31.89	-36.49	38.94	-60.92	-13.00	47.92	168	32	Vertical
6	12128.2	32.26	-35.20	38.73	-59.47	-13.00	46.47	222	115	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	1671	63.61	-48.32	25.56	-54.41	-13.00	41.41	156	0	Horizontal
2	2509.2	43.58	-46.79	27.93	-70.54	-13.00	57.54	256	272	Horizontal
3	3345.6	45.84	-46.19	29.46	-66.15	-13.00	53.15	227	155	Horizontal
4	4182	41.70	-45.16	30.89	-67.83	-13.00	54.83	184	228	Horizontal
5	5018.4	39.66	-44.93	32.60	-67.93	-13.00	54.93	215	95	Horizontal
6	5854.8	39.80	-43.34	33.74	-65.06	-13.00	52.06	199	80	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	1674.5	62.70	-48.31	25.56	-55.31	-13.00	42.31	266	72	Vertical
2	2509.2	42.91	-46.79	27.93	-71.21	-13.00	58.21	174	322	Vertical
3	3345.6	44.65	-46.19	29.46	-67.34	-13.00	54.34	182	248	Vertical
4	4182	42.11	-45.16	30.89	-67.42	-13.00	54.42	165	33	Vertical
5	5018.4	39.73	-44.93	32.60	-67.86	-13.00	54.86	221	39	Vertical
6	5854.8	39.74	-43.34	33.74	-65.12	-13.00	52.12	197	301	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---

