



Report No.: SEWM2302000049RG02

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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	22.28	23.49	33	PASS
BandII	9400	22.20	23.41	33	PASS
BandII	9538	22.10	23.31	33	PASS
Band	Channel	Power(dBm)	EIRP	Limit(dBm)	Verdict
BandIV	1312	22.55	22.82	30	PASS
BandIV	1412	22.56	22.83	30	PASS
BandIV	1513	22.62	22.89	30	PASS
Band	Channel	Power(dBm)	ERP	Limit(dBm)	Verdict
BandV	4132	22.40	19.79	38.5	PASS
BandV	4182	22.47	19.86	38.5	PASS
BandV	4233	22.41	19.8	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	42.17	-45.54	30.03	-68.60	-13.00	55.60	189	190	Horizontal
2	5640	40.97	-43.81	33.05	-65.05	-13.00	52.05	135	141	Horizontal
3	7520	41.25	-41.53	36.54	-59.00	-13.00	46.00	201	157	Horizontal
4	9400	37.21	-38.16	38.56	-57.65	-13.00	44.65	265	141	Horizontal
5	11280	31.33	-35.28	39.32	-59.89	-13.00	46.89	184	174	Horizontal
6	13160	30.82	-34.68	39.70	-59.42	-13.00	46.42	193	107	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	42.46	-45.54	30.03	-68.31	-13.00	55.31	258	193	Vertical
2	5640	41.50	-43.81	33.05	-64.52	-13.00	51.52	238	210	Vertical
3	7520	38.96	-41.53	36.54	-61.29	-13.00	48.29	174	176	Vertical
4	9400	34.43	-38.16	38.56	-60.43	-13.00	47.43	162	0	Vertical
5	11280	30.86	-35.28	39.32	-60.36	-13.00	47.36	232	327	Vertical
6	13160	30.70	-34.68	39.70	-59.54	-13.00	46.54	186	310	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	3465.2	43.42	-45.77	29.41	-68.20	-13.00	55.20	193	212	Horizontal
2	5197.8	40.81	-44.15	32.60	-66.00	-13.00	53.00	261	313	Horizontal
3	6930.4	42.15	-42.48	36.06	-59.53	-13.00	46.53	148	330	Horizontal
4	8663	39.27	-39.54	38.23	-57.30	-13.00	44.30	183	8	Horizontal
5	10395.6	35.70	-36.49	38.94	-57.11	-13.00	44.11	229	17	Horizontal
6	12128.2	32.46	-35.20	38.73	-59.27	-13.00	46.27	174	17	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	3465.2	43.76	-45.77	29.41	-67.86	-13.00	54.86	177	51	Vertical
2	5197.8	41.05	-44.15	32.60	-65.76	-13.00	52.76	191	116	Vertical
3	6930.4	42.77	-42.48	36.06	-58.91	-13.00	45.91	226	0	Vertical
4	8663	36.79	-39.54	38.23	-59.78	-13.00	46.78	184	296	Vertical
5	10395.6	32.21	-36.49	38.94	-60.60	-13.00	47.60	172	1	Vertical
6	12128.2	31.98	-35.20	38.73	-59.75	-13.00	46.75	213	229	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	1674.5	59.19	-48.31	25.56	-58.82	-13.00	45.82	175	360	Horizontal
2	2509.2	43.62	-46.79	27.93	-70.50	-13.00	57.50	291	343	Horizontal
3	3345.6	44.67	-46.19	29.46	-67.32	-13.00	54.32	156	3	Horizontal
4	4182	42.31	-45.16	30.89	-67.22	-13.00	54.22	233	357	Horizontal
5	5018.4	39.45	-44.93	32.60	-68.14	-13.00	55.14	148	352	Horizontal
6	5854.8	40.31	-43.34	33.74	-64.55	-13.00	51.55	159	357	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	54.58	-48.31	25.56	-63.43	-13.00	50.43	149	169	Vertical
2	2509.2	42.97	-46.79	27.93	-71.15	-13.00	58.15	206	229	Vertical
3	3345.6	45.70	-46.19	29.46	-66.29	-13.00	53.29	184	37	Vertical
4	4182	41.66	-45.16	30.89	-67.87	-13.00	54.87	166	81	Vertical
5	5018.4	39.73	-44.93	32.60	-67.86	-13.00	54.86	265	155	Vertical
6	5854.8	39.71	-43.34	33.74	-65.15	-13.00	52.15	244	186	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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