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Appendix B.1

WCDMA Band II&IV&V

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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Channel	Power(dBm)	EIRP	Limit(dBm)	Verdict
Band2	9262	22.87	26.44	33	PASS
Band2	9400	23.13	26.70	33	PASS
Band2	9538	23.16	26.73	33	PASS
Band	Channel	Power(dBm)	EIRP	Limit(dBm)	Verdict
Band4	1312	23.78	27.35	30	PASS
Band4	1413	23.69	27.26	30	PASS
Band4	1513	23.83	27.40	30	PASS
Band	Channel	Power(dBm)	ERP	Limit(dBm)	Verdict
Band5	4132	23.87	21.34	38.5	PASS
Band5	4182	23.92	21.39	38.5	PASS
Band5	4233	24.12	21.59	38.5	PASS

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Field Strength of Spurious Radiation

Test Band = WCDMA Band II_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3704.8	46.79	-45.69	29.89	-64.26	-13.00	51.26	196	360	Horizontal
2	5557.2	44.21	-43.87	32.78	-62.14	-13.00	49.14	265	246	Horizontal
3	7409.6	38.78	-41.94	36.45	-61.98	-13.00	48.98	254	3	Horizontal
4	9262	34.21	-38.39	38.57	-60.87	-13.00	47.87	142	180	Horizontal
5	11114.4	31.96	-35.32	39.49	-59.13	-13.00	46.13	263	3	Horizontal
6	12966.8	33.46	-34.90	39.57	-57.13	-13.00	44.13	228	296	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	3704.8	42.26	-45.69	29.89	-68.79	-13.00	55.79	296	314	Vertical
2	5557.2	41.40	-43.87	32.78	-64.95	-13.00	51.95	265	148	Vertical
3	7409.6	38.62	-41.94	36.45	-62.14	-13.00	49.14	241	4	Vertical
4	9262	33.65	-38.39	38.57	-61.43	-13.00	48.43	142	49	Vertical
5	11114.4	32.76	-35.32	39.49	-58.33	-13.00	45.33	263	49	Vertical
6	12966.8	33.13	-34.90	39.57	-57.46	-13.00	44.46	228	345	Vertical

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Test Band = WCDMA Band II_ TM1
Test Channel = Mid Channel

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	49.41	-45.54	30.03	-61.36	-13.00	48.36	296	360	Horizontal
2	5640	46.31	-43.81	33.05	-59.71	-13.00	46.71	265	33	Horizontal
3	7520	38.66	-41.53	36.54	-61.59	-13.00	48.59	241	50	Horizontal
4	9400	34.60	-38.16	38.56	-60.26	-13.00	47.26	142	267	Horizontal
5	11280	31.61	-35.28	39.32	-59.61	-13.00	46.61	263	267	Horizontal
6	13160	31.65	-34.68	39.70	-58.59	-13.00	45.59	228	335	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	53.48	-45.54	30.02	-57.30	-13.00	44.30	296	129	Vertical
2	5640	47.64	-43.81	33.05	-58.38	-13.00	45.38	265	328	Vertical
3	7520	39.24	-41.53	36.54	-61.01	-13.00	48.01	241	360	Vertical
4	9400	34.62	-38.16	38.56	-60.24	-13.00	47.24	142	261	Vertical
5	11280	30.73	-35.28	39.32	-60.49	-13.00	47.49	263	112	Vertical
6	13160	31.25	-34.68	39.70	-58.99	-13.00	45.99	228	314	Vertical

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Test Band = WCDMA Band II_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3815.2	47.64	-45.44	30.16	-62.90	-13.00	49.90	296	353	Horizontal
2	5722.8	47.03	-43.67	33.31	-58.59	-13.00	45.59	254	360	Horizontal
3	7630	39.65	-41.28	36.76	-60.13	-13.00	47.13	142	313	Horizontal
4	9538	36.26	-38.13	38.55	-58.58	-13.00	45.58	263	313	Horizontal
5	11445.6	32.09	-35.32	39.15	-59.34	-13.00	46.34	142	49	Horizontal
6	13353.2	32.37	-35.15	39.81	-58.23	-13.00	45.23	263	298	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	3815.2	48.93	-45.44	30.16	-61.61	-13.00	48.61	296	16	Vertical
2	5722.8	46.63	-43.67	33.31	-58.99	-13.00	45.99	265	81	Vertical
3	7630	42.54	-41.28	36.76	-57.24	-13.00	44.24	284	48	Vertical
4	9538	36.98	-38.13	38.55	-57.86	-13.00	44.86	142	181	Vertical
5	11445.6	31.86	-35.32	39.15	-59.57	-13.00	46.57	255	360	Vertical
6	13353.2	32.66	-35.15	39.81	-57.94	-13.00	44.94	286	114	Vertical

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Test Band = WCDMA Band IV_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3424.8	51.65	-45.87	29.43	-60.05	-13.00	47.05	196	355	Horizontal
2	5137.2	42.09	-44.24	32.60	-64.81	-13.00	51.81	265	148	Horizontal
3	6849.6	40.21	-42.50	35.90	-61.65	-13.00	48.65	241	48	Horizontal
4	8562	36.41	-39.70	38.12	-60.43	-13.00	47.43	118	331	Horizontal
5	10274.4	33.30	-36.76	38.80	-59.92	-13.00	46.92	265	249	Horizontal
6	11986.8	32.67	-35.35	38.61	-59.32	-13.00	46.32	244	82	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	3424.8	55.48	-45.87	29.43	-56.22	-13.00	43.22	296	66	Vertical
2	5137.2	44.89	-44.24	32.60	-62.01	-13.00	49.01	265	99	Vertical
3	6849.6	40.27	-42.50	35.90	-61.59	-13.00	48.59	241	360	Vertical
4	8562	36.48	-39.70	38.12	-60.36	-13.00	47.36	185	347	Vertical
5	10274.4	33.02	-36.76	38.80	-60.20	-13.00	47.20	263	182	Vertical
6	11986.8	32.64	-35.35	38.61	-59.35	-13.00	46.35	228	347	Vertical

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Test Band = WCDMA Band IV_ TM1
Test Channel = Mid Channel

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	41.93	-45.77	29.41	-69.69	-13.00	56.69	196	297	Horizontal
2	5197.8	40.66	-44.15	32.60	-66.15	-13.00	53.15	265	358	Horizontal
3	6930.4	40.07	-42.48	36.06	-61.61	-13.00	48.61	241	81	Horizontal
4	8663	36.00	-39.54	38.23	-60.57	-13.00	47.57	142	164	Horizontal
5	10395.6	31.53	-36.49	38.94	-61.28	-13.00	48.28	263	81	Horizontal
6	12128.2	31.83	-35.20	38.73	-59.90	-13.00	46.90	228	3	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	42.65	-45.77	29.41	-68.97	-13.00	55.97	265	133	Vertical
2	5197.8	40.95	-44.15	32.60	-65.86	-13.00	52.86	241	148	Vertical
3	6930.4	39.84	-42.48	36.06	-61.84	-13.00	48.84	185	360	Vertical
4	8663	36.37	-39.54	38.23	-60.20	-13.00	47.20	263	360	Vertical
5	10395.6	31.18	-36.49	38.94	-61.63	-13.00	48.63	221	231	Vertical
6	12128.2	32.41	-35.20	38.73	-59.32	-13.00	46.32	196	345	Vertical

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Test Band = WCDMA Band IV_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3505.2	51.13	-45.66	29.41	-60.38	-13.00	47.38	296	215	Horizontal
2	5257.8	43.16	-44.07	32.60	-63.57	-13.00	50.57	265	215	Horizontal
3	7010.4	39.79	-42.58	36.21	-61.84	-13.00	48.84	284	282	Horizontal
4	8763	35.95	-39.21	38.34	-60.18	-13.00	47.18	142	148	Horizontal
5	10515.6	32.45	-36.35	39.07	-60.10	-13.00	47.10	225	215	Horizontal
6	12268.2	30.95	-35.12	38.87	-60.56	-13.00	47.56	287	3	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	3505.2	50.76	-45.66	29.41	-60.75	-13.00	47.75	296	181	Vertical
2	5257.8	43.66	-44.07	32.60	-63.07	-13.00	50.07	265	115	Vertical
3	7010.4	39.90	-42.58	36.21	-61.73	-13.00	48.73	284	32	Vertical
4	8763	35.44	-39.21	38.34	-60.69	-13.00	47.69	142	248	Vertical
5	10515.6	32.23	-36.35	39.07	-60.32	-13.00	47.32	263	215	Vertical
6	12268.2	32.31	-35.12	38.87	-59.20	-13.00	46.20	228	282	Vertical

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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]	Height [cm]	Angle [°]	Polarity
1	1651.5556	79.43	-48.38	25.57	-38.63	-13.00	25.63	102	315	Horizontal
2	2481.7778	63.74	-46.89	27.86	-50.55	-13.00	37.55	142	144	Horizontal
3	3302.6667	51.94	-46.11	29.48	-59.96	-13.00	46.96	224	331	Horizontal
4	4132	43.54	-45.31	30.81	-66.22	-13.00	53.22	175	357	Horizontal
5	4958.4	43.49	-45.07	32.50	-64.34	-13.00	51.34	263	47	Horizontal
6	5784.8	41.80	-43.52	33.51	-63.47	-13.00	50.47	228	315	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	1651.5556	72.11	-48.38	25.57	-45.95	-13.00	32.95	196	94	Vertical
2	2481.7778	60.56	-46.89	27.86	-53.73	-13.00	40.73	265	125	Vertical
3	3305.6	46.72	-46.12	29.48	-65.18	-13.00	52.18	284	187	Vertical
4	4132	43.03	-45.31	30.81	-66.73	-13.00	53.73	142	343	Vertical
5	4958.4	43.30	-45.07	32.50	-64.53	-13.00	51.53	263	108	Vertical
6	5784.8	42.84	-43.52	33.51	-62.43	-13.00	49.43	228	94	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]	Height [cm]	Angle [°]	Polarity
1	1672.8	44.60	-48.32	25.56	-73.41	-13.00	60.41	201	81	Horizontal
2	2509.2	44.30	-46.79	27.93	-69.81	-13.00	56.81	185	285	Horizontal
3	3345.6	43.32	-46.19	29.46	-68.67	-13.00	55.67	263	98	Horizontal
4	4182	41.98	-45.16	30.89	-67.55	-13.00	54.55	142	315	Horizontal
5	5018.4	42.86	-44.93	32.60	-64.73	-13.00	51.73	263	0	Horizontal
6	5854.8	42.34	-43.34	33.74	-62.52	-13.00	49.52	228	300	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	1672.8	44.81	-48.32	25.56	-73.20	-13.00	60.20	296	153	Vertical
2	2509.2	43.56	-46.79	27.93	-70.55	-13.00	57.55	265	359	Vertical
3	3345.6	43.19	-46.19	29.46	-68.80	-13.00	55.80	241	184	Vertical
4	4182	42.22	-45.16	30.89	-67.31	-13.00	54.31	185	229	Vertical
5	5018.4	42.03	-44.93	32.60	-65.56	-13.00	52.56	263	119	Vertical
6	5854.8	41.68	-43.34	33.74	-63.18	-13.00	50.18	224	3	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]	Height [cm]	Angle [°]	Polarity
1	1693.2	44.75	-48.26	25.55	-73.22	-13.00	60.22	263	221	Horizontal
2	2539.8	44.87	-46.94	28.04	-69.29	-13.00	56.29	365	357	Horizontal
3	3386.4	44.00	-46.26	29.45	-68.07	-13.00	55.07	284	49	Horizontal
4	4233	42.41	-45.11	30.97	-66.99	-13.00	53.99	142	64	Horizontal
5	5079.6	42.25	-44.67	32.60	-65.08	-13.00	52.08	254	49	Horizontal
6	5926.2	42.95	-43.29	33.96	-61.64	-13.00	48.64	142	188	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	1693.2	44.25	-48.26	25.55	-73.72	-13.00	60.72	296	137	Vertical
2	2539.8	44.20	-46.94	28.04	-69.96	-13.00	56.96	265	76	Vertical
3	3386.4	43.29	-46.26	29.45	-68.78	-13.00	55.78	241	360	Vertical
4	4233	42.42	-45.11	30.97	-66.98	-13.00	53.98	142	185	Vertical
5	5079.6	42.32	-44.67	32.60	-65.01	-13.00	52.01	263	278	Vertical
6	5926.2	42.15	-43.29	33.96	-62.44	-13.00	49.44	228	29	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---