



Report No.: SEWM2209000196RG01

Rev.: 01

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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(dBm)	Limit(dBm)	Verdict
Band2	9262	23.63	27.45	33.01	PASS
Band2	9400	23.41	27.23	33.01	PASS
Band2	9538	23.32	27.14	33.01	PASS
Band4	1312	23.44	28.09	30.00	PASS
Band4	1413	23.52	28.17	30.00	PASS
Band4	1513	23.44	28.09	30.00	PASS
Band	Channel	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	4132	23.35	22.92	38.45	PASS
Band5	4182	23.41	22.98	38.45	PASS
Band5	4233	23.36	22.93	38.45	PASS



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### 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	3702.75	84.60	-45.51	29.98	-26.19	-13.00	13.19	158	286	Horizontal
2	5553.75	71.69	-45.15	32.97	-35.75	-13.00	22.75	142	29	Horizontal
3	7410.75	52.89	-43.38	36.48	-49.27	-13.00	36.27	165	43	Horizontal
4	9258	46.91	-40.23	38.38	-50.20	-13.00	37.20	132	360	Horizontal
5	11109	37.76	-37.92	39.09	-56.33	-13.00	43.33	199	360	Horizontal
6	14322	32.77	-35.86	40.14	-58.21	-13.00	45.21	152	59	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	3703.5	84.06	-45.51	29.98	-26.73	-13.00	13.73	126	43	Vertical
2	5554.5	71.53	-45.15	32.97	-35.91	-13.00	22.91	148	269	Vertical
3	7404.75	54.22	-43.40	36.49	-47.95	-13.00	34.95	195	178	Vertical
4	9257.25	47.96	-40.23	38.38	-49.15	-13.00	36.15	188	74	Vertical
5	11116.5	40.01	-37.87	39.09	-54.03	-13.00	41.03	132	74	Vertical
6	14364	32.08	-35.29	40.11	-58.36	-13.00	45.36	145	210	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	3761.25	82.26	-45.76	30.19	-28.57	-13.00	15.57	189	302	Horizontal
2	5643	65.23	-44.98	33.18	-41.83	-13.00	28.83	145	16	Horizontal
3	7517.25	58.38	-43.10	36.43	-43.55	-13.00	30.55	162	45	Horizontal
4	9405	48.89	-39.85	38.49	-47.73	-13.00	34.73	126	31	Horizontal
5	11285.25	37.60	-37.42	39.11	-55.97	-13.00	42.97	175	31	Horizontal
6	14329.5	32.42	-35.76	40.13	-58.47	-13.00	45.47	143	354	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	3761.25	81.75	-45.76	30.19	-29.08	-13.00	16.08	159	166	Vertical
2	5643	65.30	-44.98	33.18	-41.76	-13.00	28.76	145	270	Vertical
3	7517.25	59.80	-43.10	36.43	-42.13	-13.00	29.13	126	4	Vertical
4	9404.25	48.61	-39.85	38.49	-48.01	-13.00	35.01	186	166	Vertical
5	11286	40.11	-37.42	39.11	-53.46	-13.00	40.46	155	212	Vertical
6	15044.25	34.40	-34.77	39.16	-56.47	-13.00	43.47	148	226	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	3813.75	81.82	-45.97	30.36	-29.05	-13.00	16.05	285	286	Horizontal
2	5719.5	64.15	-44.83	33.46	-42.48	-13.00	29.48	145	14	Horizontal
3	7626	58.73	-42.98	36.44	-43.07	-13.00	30.07	169	14	Horizontal
4	9533.25	47.69	-40.04	38.46	-49.16	-13.00	36.16	135	43	Horizontal
5	11451	36.69	-37.34	39.05	-56.86	-13.00	43.86	129	29	Horizontal
6	13704	32.62	-36.17	40.05	-58.76	-13.00	45.76	122	135	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	3813.75	81.39	-45.97	30.36	-29.48	-13.00	16.48	214	269	Vertical
2	5720.25	63.03	-44.83	33.46	-43.60	-13.00	30.60	156	312	Vertical
3	7627.5	60.63	-42.98	36.44	-41.17	-13.00	28.17	129	4	Vertical
4	9533.25	46.70	-40.04	38.46	-50.15	-13.00	37.15	133	120	Vertical
5	11439.75	37.07	-37.35	39.07	-56.47	-13.00	43.47	256	357	Vertical
6	15257.25	33.75	-34.21	38.88	-56.83	-13.00	43.83	191	344	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	55.79	-46.27	29.45	-56.29	-13.00	43.29	154	316	Horizontal
2	5139.75	47.51	-45.33	32.96	-60.13	-13.00	47.13	145	29	Horizontal
3	6852.75	51.33	-44.13	35.90	-52.16	-13.00	39.16	128	358	Horizontal
4	8557.5	51.86	-41.45	37.66	-47.19	-13.00	34.19	195	58	Horizontal
5	11169	34.73	-37.57	39.10	-59.00	-13.00	46.00	177	299	Horizontal
6	15147	32.76	-34.47	39.02	-57.94	-13.00	44.94	142	120	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	3426	54.98	-46.27	29.45	-57.10	-13.00	44.10	248	360	Vertical
2	4926	43.25	-45.56	32.67	-64.90	-13.00	51.90	195	317	Vertical
3	6854.25	51.06	-44.13	35.91	-52.43	-13.00	39.43	146	134	Vertical
4	8566.5	50.90	-41.43	37.68	-48.11	-13.00	35.11	172	270	Vertical
5	13383.75	32.42	-36.40	40.13	-59.11	-13.00	46.11	136	196	Vertical
6	15146.25	33.11	-34.47	39.02	-57.60	-13.00	44.60	256	74	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	3466.5	68.80	-46.27	29.49	-43.24	-13.00	30.24	154	300	Horizontal
2	5200.5	55.40	-45.28	32.99	-52.15	-13.00	39.15	185	269	Horizontal
3	6926.25	49.52	-43.96	35.99	-53.70	-13.00	40.70	196	358	Horizontal
4	8658.75	47.02	-41.54	37.85	-51.93	-13.00	38.93	147	74	Horizontal
5	11222.25	34.64	-37.40	39.11	-58.91	-13.00	45.91	126	314	Horizontal
6	14401.5	32.10	-34.80	40.08	-57.88	-13.00	44.88	153	359	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	68.00	-46.27	29.49	-44.04	-13.00	31.04	148	4	Vertical
2	5200.5	54.20	-45.28	32.99	-53.35	-13.00	40.35	152	270	Vertical
3	6934.5	49.34	-43.91	36.00	-53.83	-13.00	40.83	169	351	Vertical
4	8667	48.15	-41.57	37.86	-50.82	-13.00	37.82	192	270	Vertical
5	11227.5	34.46	-37.40	39.11	-59.09	-13.00	46.09	140	44	Vertical
6	14287.5	33.35	-36.05	40.16	-57.80	-13.00	44.80	173	344	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	3507	70.78	-46.25	29.53	-41.20	-13.00	28.20	189	300	Horizontal
2	5257.5	52.76	-45.17	32.94	-54.74	-13.00	41.74	145	270	Horizontal
3	7013.25	52.11	-43.64	36.11	-50.67	-13.00	37.67	163	334	Horizontal
4	8767.5	49.18	-41.39	38.03	-49.45	-13.00	36.45	255	60	Horizontal
5	11223	34.86	-37.40	39.11	-58.69	-13.00	45.69	175	345	Horizontal
6	13703.25	33.35	-36.17	40.05	-58.03	-13.00	45.03	143	117	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	66.87	-46.25	29.53	-45.11	-13.00	32.11	248	358	Vertical
2	5260.5	51.50	-45.17	32.93	-55.99	-13.00	42.99	159	270	Vertical
3	7013.25	54.18	-43.64	36.11	-48.60	-13.00	35.60	199	148	Vertical
4	8758.5	50.20	-41.43	38.01	-48.48	-13.00	35.48	132	270	Vertical
5	10521.75	36.94	-38.73	38.98	-58.07	-13.00	45.07	122	120	Vertical
6	15783.75	32.95	-33.13	38.22	-57.22	-13.00	44.22	103	316	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	1654.2857	76.01	-48.21	25.37	-42.09	-13.00	29.09	245	25	Horizontal
2	2476	53.45	-47.31	27.69	-61.43	-13.00	48.43	126	291	Horizontal
3	3312	53.79	-46.66	29.54	-58.59	-13.00	45.59	155	307	Horizontal
4	4126.2857	45.73	-45.92	30.99	-64.46	-13.00	51.46	199	93	Horizontal
5	4952.5714	45.31	-45.70	32.75	-62.90	-13.00	49.90	126	238	Horizontal
6	6824.5714	41.26	-44.13	35.87	-62.26	-13.00	49.26	251	360	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	1654.2857	74.70	-48.21	25.37	-43.40	-13.00	30.40	142	38	Vertical
2	2476.5714	54.59	-47.31	27.69	-60.29	-13.00	47.29	126	146	Vertical
3	3312	54.52	-46.66	29.54	-57.86	-13.00	44.86	133	5	Vertical
4	4128	47.96	-45.92	30.99	-62.22	-13.00	49.22	256	0	Vertical
5	4953.1429	44.54	-45.70	32.75	-63.67	-13.00	50.67	159	347	Vertical
6	6806.8571	41.18	-44.12	35.85	-62.36	-13.00	49.36	135	317	Vertical



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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	1674.8571	73.68	-48.19	25.38	-44.39	-13.00	31.39	189	39	Horizontal
2	2512.5714	48.84	-47.23	27.81	-65.84	-13.00	52.84	142	67	Horizontal
3	3312	53.68	-46.66	29.54	-58.70	-13.00	45.70	122	316	Horizontal
4	4177.7143	46.36	-45.95	31.07	-63.78	-13.00	50.78	165	132	Horizontal
5	5024	43.33	-45.71	32.89	-64.74	-13.00	51.74	142	237	Horizontal
6	6967.4286	41.27	-43.77	36.04	-61.71	-13.00	48.71	177	13	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	1674.2857	72.64	-48.19	25.38	-45.43	-13.00	32.43	230	122	Vertical
2	2511.4286	50.23	-47.23	27.81	-64.45	-13.00	51.45	265	91	Vertical
3	3312	54.15	-46.66	29.54	-58.23	-13.00	45.23	302	8	Vertical
4	4186.2857	48.70	-45.95	31.08	-61.43	-13.00	48.43	148	357	Vertical
5	5018.8571	42.91	-45.73	32.89	-65.19	-13.00	52.19	190	0	Vertical
6	7370.8571	41.18	-43.32	36.51	-60.90	-13.00	47.90	107	0	Vertical



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**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	1694.8571	65.75	-48.17	25.39	-52.29	-13.00	39.29	245	30	Horizontal
2	2542.2857	48.06	-47.13	27.91	-66.42	-13.00	53.42	152	255	Horizontal
3	3390.8571	55.40	-46.55	29.44	-56.97	-13.00	43.97	168	276	Horizontal
4	4237.1429	47.23	-45.89	31.18	-62.75	-13.00	49.75	192	250	Horizontal
5	5085.1429	43.68	-45.44	32.93	-64.10	-13.00	51.10	175	250	Horizontal
6	7423.4286	41.30	-43.30	36.48	-60.78	-13.00	47.78	142	360	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	1692	65.59	-48.17	25.39	-52.45	-13.00	39.45	154	108	Vertical
2	2537.1429	50.16	-47.14	27.89	-64.35	-13.00	51.35	162	80	Vertical
3	3391.4286	49.89	-46.55	29.44	-62.48	-13.00	49.48	153	9	Vertical
4	4237.1429	50.19	-45.89	31.18	-59.79	-13.00	46.79	175	335	Vertical
5	5085.1429	43.63	-45.44	32.93	-64.15	-13.00	51.15	142	41	Vertical
6	7425.7143	41.13	-43.30	36.48	-60.96	-13.00	47.96	180	292	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---



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