



Report No.: SEWA2209000044RG01

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	22.44	24.50	33.01	PASS
Band2	9400	22.37	24.43	33.01	PASS
Band2	9538	22.25	24.31	33.01	PASS
Band4	1312	22.32	23.56	30.00	PASS
Band4	1413	22.54	23.78	30.00	PASS
Band4	1513	22.48	23.72	30.00	PASS
Band	Channel	Power(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	4132	22.45	16.81	38.45	PASS
Band5	4182	22.32	16.68	38.45	PASS
Band5	4233	22.45	16.81	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	57.70	-45.51	29.98	-53.09	-13.00	40.09	215	89	Horizontal
2	5557.2000	48.41	-45.14	32.97	-59.02	-13.00	46.02	236	313	Horizontal
3	7409.6000	46.15	-43.38	36.49	-56.01	-13.00	43.01	251	2	Horizontal
4	9262.0000	38.65	-40.23	38.39	-58.45	-13.00	45.45	145	147	Horizontal
5	9435	43.40	-39.97	38.48	-53.35	-13.00	40.35	166	252	Horizontal
6	11114.4000	34.22	-37.88	39.09	-59.83	-13.00	46.83	214	1	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	3702.75	54.87	-45.51	29.98	-55.92	-13.00	42.92	255	166	Vertical
2	5557.2000	48.78	-45.14	32.97	-58.65	-13.00	45.65	149	150	Vertical
3	7409.6000	45.27	-43.38	36.49	-56.89	-13.00	43.89	186	90	Vertical
4	9262.0000	39.39	-40.23	38.39	-57.71	-13.00	44.71	147	270	Vertical
5	11114.4000	34.00	-37.88	39.09	-60.05	-13.00	47.05	172	1	Vertical
6	13839	35.22	-36.03	40.00	-56.07	-13.00	43.07	130	270	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	57.96	-45.76	30.19	-52.87	-13.00	39.87	218	269	Horizontal
2	5640.0000	48.14	-44.98	33.17	-58.94	-13.00	45.94	199	71	Horizontal
3	7520.0000	46.00	-43.10	36.43	-55.93	-13.00	42.93	147	356	Horizontal
4	9400.0000	41.05	-39.83	38.49	-55.55	-13.00	42.55	163	330	Horizontal
5	11280.0000	35.77	-37.41	39.11	-57.79	-13.00	44.79	231	178	Horizontal
6	13679.25	35.63	-36.14	40.07	-55.70	-13.00	42.70	133	224	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	3762.75	53.92	-45.76	30.20	-56.91	-13.00	43.91	215	194	Vertical
2	5640.0000	47.16	-44.98	33.17	-59.92	-13.00	46.92	196	41	Vertical
3	7520.0000	45.50	-43.10	36.43	-56.43	-13.00	43.43	147	315	Vertical
4	9400.0000	40.20	-39.83	38.49	-56.40	-13.00	43.40	185	101	Vertical
5	11280.0000	36.86	-37.41	39.11	-56.70	-13.00	43.70	142	225	Vertical
6	13704.75	36.32	-36.17	40.05	-55.06	-13.00	42.06	130	194	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	61.26	-45.97	30.36	-49.61	-13.00	36.61	219	346	Horizontal
2	5722.8000	49.91	-44.83	33.47	-56.71	-13.00	43.71	145	240	Horizontal
3	7630.0000	45.43	-42.99	36.45	-56.37	-13.00	43.37	162	255	Horizontal
4	9538.0000	41.04	-40.01	38.46	-55.78	-13.00	42.78	132	164	Horizontal
5	11445.6000	34.84	-37.34	39.06	-58.70	-13.00	45.70	158	41	Horizontal
6	13831.5	35.48	-36.10	39.99	-55.89	-13.00	42.89	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	3813	57.41	-45.97	30.36	-53.46	-13.00	40.46	245	42	Vertical
2	5722.8000	48.72	-44.83	33.47	-57.90	-13.00	44.90	186	356	Vertical
3	7630.0000	46.15	-42.99	36.45	-55.65	-13.00	42.65	194	300	Vertical
4	9538.0000	40.47	-40.01	38.46	-56.35	-13.00	43.35	175	28	Vertical
5	11445.6000	35.58	-37.34	39.06	-57.96	-13.00	44.96	131	270	Vertical
6	13722	36.14	-36.21	40.03	-55.30	-13.00	42.30	140	134	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	3423.75	71.68	-46.28	29.45	-40.40	-13.00	27.40	215	330	Horizontal
2	5137.2000	47.72	-45.34	32.96	-59.92	-13.00	46.92	169	147	Horizontal
3	6849.6000	46.75	-44.14	35.90	-56.75	-13.00	43.75	185	41	Horizontal
4	8562.0000	42.63	-41.44	37.67	-56.40	-13.00	43.40	149	0	Horizontal
5	10274.4000	37.10	-39.19	38.83	-58.52	-13.00	45.52	175	330	Horizontal
6	12907.5	35.70	-37.13	39.74	-56.95	-13.00	43.95	140	6	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	3426.75	71.69	-46.27	29.45	-40.39	-13.00	27.39	215	285	Vertical
2	5137.2000	47.99	-45.34	32.96	-59.65	-13.00	46.65	146	85	Vertical
3	6849.6000	45.90	-44.14	35.90	-57.60	-13.00	44.60	269	5	Vertical
4	8562.0000	42.79	-41.44	37.67	-56.24	-13.00	43.24	291	299	Vertical
5	10274.4000	36.34	-39.19	38.83	-59.28	-13.00	46.28	142	24	Vertical
6	12750.75	35.49	-36.76	39.54	-56.98	-13.00	43.98	158	0	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	3467.25	69.91	-46.27	29.49	-42.13	-13.00	29.13	253	162	Horizontal
2	5197.8000	46.92	-45.28	32.99	-60.63	-13.00	47.63	215	267	Horizontal
3	6930.4000	46.34	-43.93	36.00	-56.85	-13.00	43.85	145	252	Horizontal
4	8663.0000	41.87	-41.56	37.85	-57.09	-13.00	44.09	169	0	Horizontal
5	10395.6000	35.92	-39.01	38.86	-59.49	-13.00	46.49	185	298	Horizontal
6	13684.5	34.47	-36.15	40.07	-56.87	-13.00	43.87	172	344	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	67.18	-46.27	29.49	-44.86	-13.00	31.86	245	178	Vertical
2	5197.8000	47.83	-45.28	32.99	-59.72	-13.00	46.72	163	346	Vertical
3	6930.4000	46.88	-43.93	36.00	-56.31	-13.00	43.31	269	209	Vertical
4	8663.0000	42.87	-41.56	37.85	-56.09	-13.00	43.09	291	55	Vertical
5	10395.6000	37.13	-39.01	38.86	-58.28	-13.00	45.28	148	26	Vertical
6	12766.5	35.19	-36.78	39.57	-57.28	-13.00	44.28	175	117	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	67.01	-46.26	29.52	-44.98	-13.00	31.98	284	315	Horizontal
2	5257.8000	47.48	-45.17	32.93	-60.01	-13.00	47.01	179	357	Horizontal
3	7010.4000	47.66	-43.62	36.11	-55.11	-13.00	42.11	155	58	Horizontal
4	8763.0000	40.51	-41.41	38.02	-58.14	-13.00	45.14	162	148	Horizontal
5	10515.6000	35.26	-38.75	38.98	-59.77	-13.00	46.77	134	224	Horizontal
6	13874.25	34.79	-35.69	40.03	-56.14	-13.00	43.14	180	224	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	67.45	-46.25	29.53	-44.53	-13.00	31.53	258	317	Vertical
2	5257.8000	47.02	-45.17	32.93	-60.47	-13.00	47.47	147	74	Vertical
3	7010.4000	46.51	-43.62	36.11	-56.26	-13.00	43.26	196	357	Vertical
4	8763.0000	40.77	-41.41	38.02	-57.88	-13.00	44.88	185	165	Vertical
5	10515.6000	35.07	-38.75	38.98	-59.96	-13.00	46.96	142	60	Vertical
6	13841.25	34.94	-36.01	40.00	-56.33	-13.00	43.33	163	0	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	1655.4286	83.62	-48.21	25.37	-34.48	-13.00	21.48	154	267	Horizontal
2	2482.8571	73.53	-47.30	27.71	-41.32	-13.00	28.32	265	13	Horizontal
3	3310.2857	61.85	-46.67	29.54	-50.53	-13.00	37.53	142	294	Horizontal
4	4132.0000	50.83	-45.92	31.00	-59.35	-13.00	46.35	132	214	Horizontal
5	4958.4000	50.85	-45.72	32.76	-57.36	-13.00	44.36	199	91	Horizontal
6	5977.1429	50.12	-44.55	34.09	-55.61	-13.00	42.61	145	282	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	1654.8571	84.14	-48.21	25.37	-33.96	-13.00	20.96	236	65	Vertical
2	2482.8571	72.57	-47.30	27.71	-42.28	-13.00	29.28	251	133	Vertical
3	3309.7143	64.08	-46.67	29.54	-48.30	-13.00	35.30	148	80	Vertical
4	4132.0000	50.24	-45.92	31.00	-59.94	-13.00	46.94	195	79	Vertical
5	4958.4000	52.56	-45.72	32.76	-55.65	-13.00	42.65	176	282	Vertical
6	6534.2857	49.47	-44.60	35.17	-55.21	-13.00	42.21	122	322	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	1671.4286	83.43	-48.19	25.38	-34.65	-13.00	21.65	142	148	Horizontal
2	2506.2857	70.74	-47.25	27.79	-43.98	-13.00	30.98	158	107	Horizontal
3	3341.7143	61.19	-46.62	29.50	-51.19	-13.00	38.19	162	280	Horizontal
4	4182.0000	49.34	-45.95	31.07	-60.80	-13.00	47.80	133	28	Horizontal
5	5018.4000	48.89	-45.73	32.89	-59.21	-13.00	46.21	140	0	Horizontal
6	5976	50.49	-44.56	34.08	-55.25	-13.00	42.25	178	108	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	1670.2857	82.66	-48.20	25.38	-35.42	-13.00	22.42	126	67	Vertical
2	2505.7143	70.67	-47.25	27.79	-44.05	-13.00	31.05	145	147	Vertical
3	3349.7143	63.35	-46.61	29.49	-49.03	-13.00	36.03	125	61	Vertical
4	4182.0000	50.35	-45.95	31.07	-59.79	-13.00	46.79	132	49	Vertical
5	5018.4000	49.73	-45.73	32.89	-58.37	-13.00	45.37	299	277	Vertical
6	6761.7143	49.82	-44.10	35.76	-53.77	-13.00	40.77	148	173	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	1691.4286	83.53	-48.17	25.39	-34.51	-13.00	21.51	210	133	Horizontal
2	2536.5714	66.82	-47.15	27.89	-47.69	-13.00	34.69	145	121	Horizontal
3	3381.7143	59.73	-46.57	29.45	-52.64	-13.00	39.64	156	282	Horizontal
4	4233.0000	48.96	-45.90	31.17	-61.03	-13.00	48.03	302	346	Horizontal
5	5079.6000	47.45	-45.47	32.92	-60.35	-13.00	47.35	198	91	Horizontal
6	5697.1429	51.09	-44.59	33.37	-55.39	-13.00	42.39	146	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	1690.8571	82.35	-48.17	25.39	-35.69	-13.00	22.69	251	132	Vertical
2	2536	66.70	-47.15	27.89	-47.82	-13.00	34.82	148	266	Vertical
3	3381.1429	60.30	-46.57	29.45	-52.07	-13.00	39.07	186	90	Vertical
4	4233.0000	48.86	-45.90	31.17	-61.13	-13.00	48.13	152	170	Vertical
5	5079.6000	47.32	-45.47	32.92	-60.48	-13.00	47.48	199	144	Vertical
6	6017.1429	50.26	-44.47	34.14	-55.34	-13.00	42.34	175	130	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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