



Report No.: SEWA2206000022RG01  
Rev.: 01  
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# Appendix B.9

## LTE Band 17



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## Effective (Isotropic) Radiated Power Output Data

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.12	22.2	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.40	22.48	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.18	22.26	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.54	21.62	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.60	22.68	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.58	22.66	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.42	22.5	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.54	21.62	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.64	22.72	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.66	22.74	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.46	22.54	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.61	21.69	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.06	21.14	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.31	21.39	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.58	21.66	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.47	20.55	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.73	21.81	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.29	21.37	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	21.84	20.92	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.81	20.89	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	21.97	21.05	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.38	21.46	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.12	21.2	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.62	20.7	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.32	22.4	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.64	22.72	34.77	PASS



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Band17	10MHz	QPSK	23780	1RB#49	23.68	22.76	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.59	21.67	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.18	22.26	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.74	22.82	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.40	22.48	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.50	21.58	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.29	22.37	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.65	22.73	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.25	22.33	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.56	21.64	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.25	21.33	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.53	21.61	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	21.92	21	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.56	20.64	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	21.77	20.85	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.12	22.2	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.15	21.23	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.58	20.66	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.25	21.33	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.16	21.24	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.42	21.5	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.57	20.65	34.77	PASS



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## Field Strength of Spurious Radiation

Test Band = LTE Band17\_ 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	1409.1429	60.94	-48.03	25.61	-56.74	-13.00	43.74	122	265	Horizontal
2	2113.7700	74.57	-47.71	27.04	-41.36	-13.00	28.36	233	198	Horizontal
3	2818.3600	53.39	-46.85	28.56	-60.16	-13.00	47.16	123	145	Horizontal
4	3522.9500	50.83	-46.49	29.54	-61.38	-13.00	48.38	134	158	Horizontal
5	4227.5400	49.74	-45.91	31.16	-60.27	-13.00	47.27	186	318	Horizontal
6	4932.1300	50.24	-45.65	32.69	-57.98	-13.00	44.98	194	351	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	1409.1800	53.44	-48.03	25.61	-64.24	-13.00	51.24	214	347	Vertical
2	2113.7143	65.15	-47.71	27.04	-50.78	-13.00	37.78	186	242	Vertical
3	2818.3600	52.10	-46.85	28.56	-61.45	-13.00	48.45	196	228	Vertical
4	3522.9500	50.87	-46.49	29.54	-61.34	-13.00	48.34	142	162	Vertical
5	4227.5400	51.32	-45.91	31.16	-58.69	-13.00	45.69	172	83	Vertical
6	4932.1300	52.00	-45.65	32.69	-56.22	-13.00	43.22	211	68	Vertical



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**Test Band = LTE Band17\_ 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	1411.1800	53.73	-48.04	25.60	-63.96	-13.00	50.96	185	343	Horizontal
2	2116.7700	73.92	-47.70	27.05	-41.99	-13.00	28.99	145	40	Horizontal
3	2822.3600	52.01	-46.84	28.58	-61.51	-13.00	48.51	169	79	Horizontal
4	3527.9500	50.85	-46.48	29.55	-61.35	-13.00	48.35	191	26	Horizontal
5	4233.5400	49.93	-45.90	31.17	-60.06	-13.00	47.06	172	146	Horizontal
6	4939.1300	50.65	-45.67	32.71	-57.57	-13.00	44.57	210	198	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	1411.1800	53.66	-48.04	25.60	-64.03	-13.00	51.03	133	41	Vertical
2	2116.7700	67.52	-47.70	27.05	-48.39	-13.00	35.39	251	280	Vertical
3	2822.3600	52.79	-46.84	28.58	-60.73	-13.00	47.73	162	175	Vertical
4	3527.9500	52.17	-46.48	29.55	-60.03	-13.00	47.03	145	307	Vertical
5	4233.5400	51.82	-45.90	31.17	-58.17	-13.00	45.17	175	134	Vertical
6	4939.1300	52.09	-45.67	32.71	-56.13	-13.00	43.13	196	175	Vertical



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**Test Band = LTE Band17\_ 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	1413.1800	55.38	-48.04	25.60	-62.32	-13.00	49.32	210	356	Horizontal
2	2119.7700	73.73	-47.70	27.06	-42.17	-13.00	29.17	213	212	Horizontal
3	2826.3600	52.17	-46.83	28.60	-61.32	-13.00	48.32	258	80	Horizontal
4	3532.9500	51.67	-46.47	29.55	-60.51	-13.00	47.51	147	133	Horizontal
5	4239.5400	50.66	-45.89	31.18	-59.31	-13.00	46.31	196	279	Horizontal
6	4946.1300	50.38	-45.69	32.73	-57.84	-13.00	44.84	185	185	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	1413.1429	56.56	-48.04	25.60	-61.14	-13.00	48.14	215	70	Vertical
2	2119.7700	62.53	-47.70	27.06	-53.37	-13.00	40.37	233	243	Vertical
3	2826.3600	52.97	-46.83	28.60	-60.52	-13.00	47.52	266	134	Vertical
4	3532.9500	49.85	-46.47	29.55	-62.33	-13.00	49.33	295	81	Vertical
5	4239.5400	51.93	-45.89	31.18	-58.04	-13.00	45.04	142	255	Vertical
6	4946.1300	53.74	-45.69	32.73	-54.48	-13.00	41.48	175	269	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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