



Report No.: SEWM2210000221RG01

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Appendix B.8

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	22.61	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.03	22.52	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.08	22.57	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.17	21.66	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.25	22.74	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.08	22.57	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.07	22.56	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.1	21.59	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.14	22.63	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.23	22.72	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.16	22.65	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.2	21.69	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.35	21.84	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.15	21.64	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.15	21.64	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.14	20.63	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.48	21.97	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.19	21.68	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.07	21.56	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.11	20.6	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.58	22.07	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.48	21.97	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.36	21.85	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.15	20.64	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	21.19	20.68	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#12	21.23	20.72	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	21.32	20.81	34.77	PASS



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Band17	5MHz	64QAM	23755	25RB#0	20.14	19.63	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	21.44	20.93	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#12	21.3	20.79	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	21.21	20.7	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	20.18	19.67	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	21.29	20.78	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#12	21.31	20.8	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	21.35	20.84	34.77	PASS
Band17	5MHz	64QAM	23825	25RB#0	20.17	19.66	34.77	PASS
Band17	5MHz	256QAM	23755	1RB#0	18.2	17.69	34.77	PASS
Band17	5MHz	256QAM	23755	1RB#12	18.23	17.72	34.77	PASS
Band17	5MHz	256QAM	23755	1RB#24	18.15	17.64	34.77	PASS
Band17	5MHz	256QAM	23755	25RB#0	18.18	17.67	34.77	PASS
Band17	5MHz	256QAM	23790	1RB#0	18.3	17.79	34.77	PASS
Band17	5MHz	256QAM	23790	1RB#12	18.32	17.81	34.77	PASS
Band17	5MHz	256QAM	23790	1RB#24	18.24	17.73	34.77	PASS
Band17	5MHz	256QAM	23790	25RB#0	18.11	17.6	34.77	PASS
Band17	5MHz	256QAM	23825	1RB#0	18.3	17.79	34.77	PASS
Band17	5MHz	256QAM	23825	1RB#12	18.24	17.73	34.77	PASS
Band17	5MHz	256QAM	23825	1RB#24	18.19	17.68	34.77	PASS
Band17	5MHz	256QAM	23825	25RB#0	18.23	17.72	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.13	22.62	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.14	22.63	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.08	22.57	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.11	21.6	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.22	22.71	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.17	22.66	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.08	22.57	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.17	21.66	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.2	22.69	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.17	22.66	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.03	22.52	34.77	PASS



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Band17	10MHz	16QAM	23780	1RB#0	22.21	21.7	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.27	21.76	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.25	21.74	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.13	20.62	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.28	21.77	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.35	21.84	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.28	21.77	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.2	20.69	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.26	21.75	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.26	21.75	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.13	21.62	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.14	20.63	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	21.31	20.8	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	21.25	20.74	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	21.23	20.72	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	20.12	19.61	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	21.29	20.78	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	21.38	20.87	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	21.33	20.82	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	20.14	19.63	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	21.36	20.85	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	21.47	20.96	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	21.14	20.63	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	20.16	19.65	34.77	PASS
Band17	10MHz	256QAM	23780	1RB#0	18.04	17.53	34.77	PASS
Band17	10MHz	256QAM	23780	1RB#24	18.27	17.76	34.77	PASS
Band17	10MHz	256QAM	23780	1RB#49	18.11	17.6	34.77	PASS
Band17	10MHz	256QAM	23780	50RB#0	18.11	17.6	34.77	PASS
Band17	10MHz	256QAM	23790	1RB#0	18.16	17.65	34.77	PASS
Band17	10MHz	256QAM	23790	1RB#24	18.26	17.75	34.77	PASS
Band17	10MHz	256QAM	23790	1RB#49	18.26	17.75	34.77	PASS



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Band17	10MHz	256QAM	23790	50RB#0	18.21	17.7	34.77	PASS
Band17	10MHz	256QAM	23800	1RB#0	18.07	17.56	34.77	PASS
Band17	10MHz	256QAM	23800	1RB#24	18.26	17.75	34.77	PASS
Band17	10MHz	256QAM	23800	1RB#49	18.25	17.74	34.77	PASS
Band17	10MHz	256QAM	23800	50RB#0	18.17	17.66	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	57.20	-48.03	25.61	-60.48	-13.00	47.48	211	176	Horizontal
2	2113.7143	59.54	-47.71	27.04	-56.39	-13.00	43.39	148	176	Horizontal
3	2818.3600	42.87	-46.85	28.56	-70.68	-13.00	57.68	198	109	Horizontal
4	3522.9500	42.64	-46.49	29.54	-69.57	-13.00	56.57	152	97	Horizontal
5	3959.4286	47.01	-46.21	30.70	-63.76	-13.00	50.76	130	0	Horizontal
6	4992	52.87	-45.79	32.86	-55.32	-13.00	42.32	126	256	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	1409.1429	54.15	-48.03	25.61	-63.53	-13.00	50.53	145	263	Vertical
2	2113.7143	60.51	-47.71	27.04	-55.42	-13.00	42.42	156	304	Vertical
3	2818.3600	43.12	-46.85	28.56	-70.43	-13.00	57.43	192	158	Vertical
4	3522.9500	42.67	-46.49	29.54	-69.54	-13.00	56.54	175	105	Vertical
5	4227.5400	42.10	-45.91	31.16	-67.91	-13.00	54.91	142	133	Vertical
6	4932.1300	41.97	-45.65	32.69	-66.25	-13.00	53.25	139	360	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	57.63	-48.04	25.60	-60.06	-13.00	47.06	214	175	Horizontal
2	2116.5714	60.28	-47.71	27.05	-55.64	-13.00	42.64	156	227	Horizontal
3	2822.3600	42.88	-46.84	28.58	-70.64	-13.00	57.64	123	82	Horizontal
4	3527.9500	42.26	-46.48	29.55	-69.94	-13.00	56.94	259	294	Horizontal
5	4233.5400	41.73	-45.90	31.17	-68.26	-13.00	55.26	191	267	Horizontal
6	4992	52.72	-45.79	32.86	-55.47	-13.00	42.47	174	254	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	52.81	-48.04	25.60	-64.88	-13.00	51.88	205	289	Vertical
2	2116.5714	60.10	-47.71	27.05	-55.82	-13.00	42.82	144	289	Vertical
3	2822.3600	42.98	-46.84	28.58	-70.54	-13.00	57.54	135	222	Vertical
4	3527.9500	42.05	-46.48	29.55	-70.15	-13.00	57.15	165	359	Vertical
5	4233.5400	41.77	-45.90	31.17	-68.22	-13.00	55.22	128	329	Vertical
6	4939.1300	42.31	-45.67	32.71	-65.91	-13.00	52.91	190	196	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	1413.1429	59.82	-48.04	25.60	-57.88	-13.00	44.88	255	174	Horizontal
2	2119.7700	61.52	-47.70	27.06	-54.38	-13.00	41.38	142	187	Horizontal
3	2826.3600	43.82	-46.83	28.60	-69.67	-13.00	56.67	163	280	Horizontal
4	3532.9500	42.70	-46.47	29.55	-69.48	-13.00	56.48	256	1	Horizontal
5	4239.5400	41.59	-45.89	31.18	-68.38	-13.00	55.38	192	306	Horizontal
6	4992	53.02	-45.79	32.86	-55.17	-13.00	42.17	170	254	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	55.89	-48.04	25.60	-61.81	-13.00	48.81	211	267	Vertical
2	2119.4286	61.57	-47.70	27.06	-54.34	-13.00	41.34	154	280	Vertical
3	2826.3600	43.23	-46.83	28.60	-70.26	-13.00	57.26	126	94	Vertical
4	3532.9500	43.04	-46.47	29.55	-69.14	-13.00	56.14	289	240	Vertical
5	4239.5400	41.69	-45.89	31.18	-68.28	-13.00	55.28	196	306	Vertical
6	4992	50.08	-45.79	32.86	-58.11	-13.00	45.11	175	280	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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