

Report No.: SEWM2308000332RG01

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Appendix B.13

LTE Band 66



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	21.9	24.54	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	21.88	24.52	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	21.89	24.53	30	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	20.92	23.56	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	22.08	24.72	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	22.1	24.74	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	21.99	24.63	30	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	21.13	23.77	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	22.54	25.18	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	22.58	25.22	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	22.54	25.18	30	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	21.51	24.15	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	21.44	24.08	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	21.53	24.17	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	21.48	24.12	30	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	20.15	22.79	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	21.68	24.32	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	21.64	24.28	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	21.61	24.25	30	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	20.19	22.83	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.01	24.65	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	21.96	24.6	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	21.9	24.54	30	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	20.65	23.29	30	PASS
Band66	3MHz	QPSK	131987	1RB#0	22.05	24.69	30	PASS
Band66	3MHz	QPSK	131987	1RB#8	22.07	24.71	30	PASS
Band66	3MHz	QPSK	131987	1RB#14	21.91	24.55	30	PASS



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Band66	3MHz	QPSK	131987	15RB#0	21.01	23.65	30	PASS
Band66	3MHz	QPSK	132322	1RB#0	21.94	24.58	30	PASS
Band66	3MHz	QPSK	132322	1RB#8	22.02	24.66	30	PASS
Band66	3MHz	QPSK	132322	1RB#14	21.84	24.48	30	PASS
Band66	3MHz	QPSK	132322	15RB#0	21.08	23.72	30	PASS
Band66	3MHz	QPSK	132657	1RB#0	22.56	25.2	30	PASS
Band66	3MHz	QPSK	132657	1RB#8	22.54	25.18	30	PASS
Band66	3MHz	QPSK	132657	1RB#14	22.58	25.22	30	PASS
Band66	3MHz	QPSK	132657	15RB#0	21.59	24.23	30	PASS
Band66	3MHz	16QAM	131987	1RB#0	21.43	24.07	30	PASS
Band66	3MHz	16QAM	131987	1RB#8	21.58	24.22	30	PASS
Band66	3MHz	16QAM	131987	1RB#14	21.38	24.02	30	PASS
Band66	3MHz	16QAM	131987	15RB#0	20.16	22.8	30	PASS
Band66	3MHz	16QAM	132322	1RB#0	21.6	24.24	30	PASS
Band66	3MHz	16QAM	132322	1RB#8	21.28	23.92	30	PASS
Band66	3MHz	16QAM	132322	1RB#14	21.52	24.16	30	PASS
Band66	3MHz	16QAM	132322	15RB#0	20.18	22.82	30	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.01	24.65	30	PASS
Band66	3MHz	16QAM	132657	1RB#8	21.92	24.56	30	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.08	24.72	30	PASS
Band66	3MHz	16QAM	132657	15RB#0	20.64	23.28	30	PASS
Band66	5MHz	QPSK	131997	1RB#0	22.08	24.72	30	PASS
Band66	5MHz	QPSK	131997	1RB#12	21.89	24.53	30	PASS
Band66	5MHz	QPSK	131997	1RB#24	22	24.64	30	PASS
Band66	5MHz	QPSK	131997	25RB#0	21.03	23.67	30	PASS
Band66	5MHz	QPSK	132322	1RB#0	22.18	24.82	30	PASS
Band66	5MHz	QPSK	132322	1RB#12	22.01	24.65	30	PASS
Band66	5MHz	QPSK	132322	1RB#24	22.04	24.68	30	PASS
Band66	5MHz	QPSK	132322	25RB#0	21.15	23.79	30	PASS
Band66	5MHz	QPSK	132647	1RB#0	22.62	25.26	30	PASS
Band66	5MHz	QPSK	132647	1RB#12	22.43	25.07	30	PASS
Band66	5MHz	QPSK	132647	1RB#24	22.6	25.24	30	PASS



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Band66	5MHz	QPSK	132647	25RB#0	21.62	24.26	30	PASS
Band66	5MHz	16QAM	131997	1RB#0	21.42	24.06	30	PASS
Band66	5MHz	16QAM	131997	1RB#12	21.24	23.88	30	PASS
Band66	5MHz	16QAM	131997	1RB#24	21.42	24.06	30	PASS
Band66	5MHz	16QAM	131997	25RB#0	20.19	22.83	30	PASS
Band66	5MHz	16QAM	132322	1RB#0	21.47	24.11	30	PASS
Band66	5MHz	16QAM	132322	1RB#12	21.27	23.91	30	PASS
Band66	5MHz	16QAM	132322	1RB#24	21.46	24.1	30	PASS
Band66	5MHz	16QAM	132322	25RB#0	20.12	22.76	30	PASS
Band66	5MHz	16QAM	132647	1RB#0	21.78	24.42	30	PASS
Band66	5MHz	16QAM	132647	1RB#12	21.76	24.4	30	PASS
Band66	5MHz	16QAM	132647	1RB#24	21.88	24.52	30	PASS
Band66	5MHz	16QAM	132647	25RB#0	20.64	23.28	30	PASS
Band66	10MHz	QPSK	132022	1RB#0	21.34	23.98	30	PASS
Band66	10MHz	QPSK	132022	1RB#24	21.99	24.63	30	PASS
Band66	10MHz	QPSK	132022	1RB#49	22.49	25.13	30	PASS
Band66	10MHz	QPSK	132022	50RB#0	21.02	23.66	30	PASS
Band66	10MHz	QPSK	132322	1RB#0	21.42	24.06	30	PASS
Band66	10MHz	QPSK	132322	1RB#24	22.26	24.9	30	PASS
Band66	10MHz	QPSK	132322	1RB#49	22.68	25.32	30	PASS
Band66	10MHz	QPSK	132322	50RB#0	21.06	23.7	30	PASS
Band66	10MHz	QPSK	132622	1RB#0	21.88	24.52	30	PASS
Band66	10MHz	QPSK	132622	1RB#24	22.54	25.18	30	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.13	25.77	30	PASS
Band66	10MHz	QPSK	132622	50RB#0	21.55	24.19	30	PASS
Band66	10MHz	16QAM	132022	1RB#0	20.58	23.22	30	PASS
Band66	10MHz	16QAM	132022	1RB#24	21.15	23.79	30	PASS
Band66	10MHz	16QAM	132022	1RB#49	21.78	24.42	30	PASS
Band66	10MHz	16QAM	132022	50RB#0	20.08	22.72	30	PASS
Band66	10MHz	16QAM	132322	1RB#0	20.6	23.24	30	PASS
Band66	10MHz	16QAM	132322	1RB#24	21.1	23.74	30	PASS
Band66	10MHz	16QAM	132322	1RB#49	21.74	24.38	30	PASS



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Band66	10MHz	16QAM	132322	50RB#0	20.14	22.78	30	PASS
Band66	10MHz	16QAM	132622	1RB#0	21.02	23.66	30	PASS
Band66	10MHz	16QAM	132622	1RB#24	21.72	24.36	30	PASS
Band66	10MHz	16QAM	132622	1RB#49	22.27	24.91	30	PASS
Band66	10MHz	16QAM	132622	50RB#0	20.56	23.2	30	PASS
Band66	15MHz	QPSK	132047	1RB#0	22.09	24.73	30	PASS
Band66	15MHz	QPSK	132047	1RB#38	21.85	24.49	30	PASS
Band66	15MHz	QPSK	132047	1RB#74	22	24.64	30	PASS
Band66	15MHz	QPSK	132047	75RB#0	20.89	23.53	30	PASS
Band66	15MHz	QPSK	132322	1RB#0	22.03	24.67	30	PASS
Band66	15MHz	QPSK	132322	1RB#38	21.83	24.47	30	PASS
Band66	15MHz	QPSK	132322	1RB#74	22.25	24.89	30	PASS
Band66	15MHz	QPSK	132322	75RB#0	20.98	23.62	30	PASS
Band66	15MHz	QPSK	132597	1RB#0	22.39	25.03	30	PASS
Band66	15MHz	QPSK	132597	1RB#38	22.25	24.89	30	PASS
Band66	15MHz	QPSK	132597	1RB#74	22.51	25.15	30	PASS
Band66	15MHz	QPSK	132597	75RB#0	21.33	23.97	30	PASS
Band66	15MHz	16QAM	132047	1RB#0	21.31	23.95	30	PASS
Band66	15MHz	16QAM	132047	1RB#38	21.11	23.75	30	PASS
Band66	15MHz	16QAM	132047	1RB#74	21.31	23.95	30	PASS
Band66	15MHz	16QAM	132047	75RB#0	19.94	22.58	30	PASS
Band66	15MHz	16QAM	132322	1RB#0	21.41	24.05	30	PASS
Band66	15MHz	16QAM	132322	1RB#38	21.19	23.83	30	PASS
Band66	15MHz	16QAM	132322	1RB#74	21.35	23.99	30	PASS
Band66	15MHz	16QAM	132322	75RB#0	20.03	22.67	30	PASS
Band66	15MHz	16QAM	132597	1RB#0	21.75	24.39	30	PASS
Band66	15MHz	16QAM	132597	1RB#38	21.49	24.13	30	PASS
Band66	15MHz	16QAM	132597	1RB#74	21.8	24.44	30	PASS
Band66	15MHz	16QAM	132597	75RB#0	20.32	22.96	30	PASS
Band66	20MHz	QPSK	132072	1RB#0	21.73	24.37	30	PASS
Band66	20MHz	QPSK	132072	1RB#49	22.04	24.68	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	22.4	25.04	30	PASS



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Band66	20MHz	QPSK	132322	1RB#0	21.69	24.33	30	PASS
Band66	20MHz	QPSK	132322	1RB#49	21.94	24.58	30	PASS
Band66	20MHz	QPSK	132322	1RB#99	22.56	25.2	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	21.12	23.76	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	21.97	24.61	30	PASS
Band66	20MHz	QPSK	132572	1RB#49	22.2	24.84	30	PASS
Band66	20MHz	QPSK	132572	1RB#99	22.88	25.52	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	21.32	23.96	30	PASS
Band66	20MHz	16QAM	132072	1RB#0	21	23.64	30	PASS
Band66	20MHz	16QAM	132072	1RB#49	21.04	23.68	30	PASS
Band66	20MHz	16QAM	132072	1RB#99	21.67	24.31	30	PASS
Band66	20MHz	16QAM	132072	100RB#0	19.99	22.63	30	PASS
Band66	20MHz	16QAM	132322	1RB#0	20.84	23.48	30	PASS
Band66	20MHz	16QAM	132322	1RB#49	21.09	23.73	30	PASS
Band66	20MHz	16QAM	132322	1RB#99	21.78	24.42	30	PASS
Band66	20MHz	16QAM	132322	100RB#0	20.1	22.74	30	PASS
Band66	20MHz	16QAM	132572	1RB#0	21.11	23.75	30	PASS
Band66	20MHz	16QAM	132572	1RB#49	21.47	24.11	30	PASS
Band66	20MHz	16QAM	132572	1RB#99	22.09	24.73	30	PASS
Band66	20MHz	16QAM	132572	100RB#0	20.4	23.04	30	PASS



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Field Strength of Spurious Radiation

Test Band = LTE Band 66_20MHz_ 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	3422.25	68.58	-45.88	29.43	-43.13	-13.00	30.13	269	126	Horizontal
2	5133	50.32	-44.24	32.60	-56.58	-13.00	43.58	171	111	Horizontal
3	6844.5	47.96	-42.50	35.89	-53.91	-13.00	40.91	168	75	Horizontal
4	8510.45	36.18	-39.54	38.06	-60.56	-13.00	47.56	222	92	Horizontal
5	10212.54	34.92	-36.59	38.73	-58.19	-13.00	45.19	165	14	Horizontal
6	11914.63	30.30	-35.10	38.68	-61.38	-13.00	48.38	213	44	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	3422.25	64.50	-45.88	29.43	-47.21	-13.00	34.21	174	199	Vertical
2	5133	55.09	-44.24	32.60	-51.81	-13.00	38.81	263	230	Vertical
3	6844.5	47.82	-42.50	35.89	-54.05	-13.00	41.05	188	199	Vertical
4	8555.25	39.68	-39.68	38.11	-57.15	-13.00	44.15	255	96	Vertical
5	10212.54	35.32	-36.59	38.73	-57.79	-13.00	44.79	219	0	Vertical
6	11914.63	30.32	-35.10	38.68	-61.36	-13.00	48.36	136	279	Vertical



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Test Band = LTE Band 66_20MHz_ 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	3492	66.54	-45.71	29.40	-45.03	-13.00	32.03	157	30	Horizontal
2	5238	54.04	-44.10	32.60	-52.72	-13.00	39.72	208	279	Horizontal
3	6984	49.78	-42.56	36.17	-51.88	-13.00	38.88	271	80	Horizontal
4	8635.45	35.85	-39.66	38.20	-60.87	-13.00	47.87	215	147	Horizontal
5	10362.54	32.74	-36.60	38.90	-60.23	-13.00	47.23	139	313	Horizontal
6	12089.63	32.96	-35.20	38.69	-58.81	-13.00	45.81	186	2	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	3492	67.08	-45.71	29.40	-44.49	-13.00	31.49	266	194	Vertical
2	5238	58.34	-44.10	32.60	-48.42	-13.00	35.42	247	261	Vertical
3	6984.75	51.67	-42.57	36.17	-49.99	-13.00	36.99	169	211	Vertical
4	8730	38.87	-39.29	38.30	-57.38	-13.00	44.38	258	95	Vertical
5	10362.54	33.22	-36.60	38.90	-59.75	-13.00	46.75	138	357	Vertical
6	12089.63	33.08	-35.20	38.69	-58.69	-13.00	45.69	230	261	Vertical



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Test Band = LTE Band 66_20MHz_ 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	3492	67.99	-45.71	29.40	-43.58	-13.00	30.58	244	142	Horizontal
2	5238	53.02	-44.10	32.60	-53.74	-13.00	40.74	167	294	Horizontal
3	6984	48.46	-42.56	36.17	-53.20	-13.00	40.20	289	77	Horizontal
4	8760.45	35.72	-39.21	38.34	-60.42	-13.00	47.42	256	344	Horizontal
5	10512.54	31.86	-36.36	39.06	-60.70	-13.00	47.70	227	94	Horizontal
6	12262.63	31.89	-35.13	38.86	-59.64	-13.00	46.64	153	209	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	3492	66.28	-45.71	29.40	-45.29	-13.00	32.29	266	180	Vertical
2	5238	58.44	-44.10	32.60	-48.32	-13.00	35.32	247	116	Vertical
3	6984.75	54.92	-42.57	36.17	-46.74	-13.00	33.74	189	212	Vertical
4	8760.45	35.51	-39.21	38.34	-60.63	-13.00	47.63	223	212	Vertical
5	10512.54	32.04	-36.36	39.06	-60.52	-13.00	47.52	169	0	Vertical
6	12262.63	31.76	-35.13	38.86	-59.77	-13.00	46.77	156	330	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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