

Report No.: SEWM2211000245RG01

Rev.: 01

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Appendix B.8

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	22.49	24.49	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	22.54	24.54	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	22.36	24.36	30	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	21.44	23.44	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	22.85	24.85	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	22.59	24.59	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	22.33	24.33	30	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	21.51	23.51	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	22.38	24.38	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	22.35	24.35	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	22.29	24.29	30	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	21.43	23.43	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	21.17	23.17	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	21.36	23.36	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	21.24	23.24	30	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	20.53	22.53	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	21.28	23.28	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	21.37	23.37	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#5	21.26	23.26	30	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	20.7	22.7	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	21.36	23.36	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	21.39	23.39	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	21.41	23.41	30	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	20.39	22.39	30	PASS
Band66	3MHz	QPSK	131987	1RB#0	22.41	24.41	30	PASS
Band66	3MHz	QPSK	131987	1RB#8	22.6	24.6	30	PASS
Band66	3MHz	QPSK	131987	1RB#14	22.48	24.48	30	PASS



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Band66	3MHz	QPSK	131987	15RB#0	21.61	23.61	30	PASS
Band66	3MHz	QPSK	132322	1RB#0	22.7	24.7	30	PASS
Band66	3MHz	QPSK	132322	1RB#8	22.64	24.64	30	PASS
Band66	3MHz	QPSK	132322	1RB#14	22.48	24.48	30	PASS
Band66	3MHz	QPSK	132322	15RB#0	21.68	23.68	30	PASS
Band66	3MHz	QPSK	132657	1RB#0	22.56	24.56	30	PASS
Band66	3MHz	QPSK	132657	1RB#8	22.45	24.45	30	PASS
Band66	3MHz	QPSK	132657	1RB#14	22.58	24.58	30	PASS
Band66	3MHz	QPSK	132657	15RB#0	21.56	23.56	30	PASS
Band66	3MHz	16QAM	131987	1RB#0	21.37	23.37	30	PASS
Band66	3MHz	16QAM	131987	1RB#8	21.33	23.33	30	PASS
Band66	3MHz	16QAM	131987	1RB#14	21.34	23.34	30	PASS
Band66	3MHz	16QAM	131987	15RB#0	20.49	22.49	30	PASS
Band66	3MHz	16QAM	132322	1RB#0	21.59	23.59	30	PASS
Band66	3MHz	16QAM	132322	1RB#8	22.02	24.02	30	PASS
Band66	3MHz	16QAM	132322	1RB#14	21.34	23.34	30	PASS
Band66	3MHz	16QAM	132322	15RB#0	20.64	22.64	30	PASS
Band66	3MHz	16QAM	132657	1RB#0	21.29	23.29	30	PASS
Band66	3MHz	16QAM	132657	1RB#8	21.35	23.35	30	PASS
Band66	3MHz	16QAM	132657	1RB#14	21.48	23.48	30	PASS
Band66	3MHz	16QAM	132657	15RB#0	20.57	22.57	30	PASS
Band66	5MHz	QPSK	131997	1RB#0	22.42	24.42	30	PASS
Band66	5MHz	QPSK	131997	1RB#12	22.56	24.56	30	PASS
Band66	5MHz	QPSK	131997	1RB#24	22.34	24.34	30	PASS
Band66	5MHz	QPSK	131997	25RB#0	21.57	23.57	30	PASS
Band66	5MHz	QPSK	132322	1RB#0	22.96	24.96	30	PASS
Band66	5MHz	QPSK	132322	1RB#12	22.82	24.82	30	PASS
Band66	5MHz	QPSK	132322	1RB#24	22.59	24.59	30	PASS
Band66	5MHz	QPSK	132322	25RB#0	21.54	23.54	30	PASS
Band66	5MHz	QPSK	132647	1RB#0	22.69	24.69	30	PASS
Band66	5MHz	QPSK	132647	1RB#12	22.42	24.42	30	PASS
Band66	5MHz	QPSK	132647	1RB#24	22.26	24.26	30	PASS



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Band66	5MHz	QPSK	132647	25RB#0	21.53	23.53	30	PASS
Band66	5MHz	16QAM	131997	1RB#0	21.36	23.36	30	PASS
Band66	5MHz	16QAM	131997	1RB#12	21.2	23.2	30	PASS
Band66	5MHz	16QAM	131997	1RB#24	21.22	23.22	30	PASS
Band66	5MHz	16QAM	131997	25RB#0	20.63	22.63	30	PASS
Band66	5MHz	16QAM	132322	1RB#0	21.43	23.43	30	PASS
Band66	5MHz	16QAM	132322	1RB#12	21.38	23.38	30	PASS
Band66	5MHz	16QAM	132322	1RB#24	21.29	23.29	30	PASS
Band66	5MHz	16QAM	132322	25RB#0	20.66	22.66	30	PASS
Band66	5MHz	16QAM	132647	1RB#0	21.38	23.38	30	PASS
Band66	5MHz	16QAM	132647	1RB#12	21.6	23.6	30	PASS
Band66	5MHz	16QAM	132647	1RB#24	21.28	23.28	30	PASS
Band66	5MHz	16QAM	132647	25RB#0	20.57	22.57	30	PASS
Band66	10MHz	QPSK	132022	1RB#0	22.46	24.46	30	PASS
Band66	10MHz	QPSK	132022	1RB#24	22.51	24.51	30	PASS
Band66	10MHz	QPSK	132022	1RB#49	22.75	24.75	30	PASS
Band66	10MHz	QPSK	132022	50RB#0	21.7	23.7	30	PASS
Band66	10MHz	QPSK	132322	1RB#0	22.77	24.77	30	PASS
Band66	10MHz	QPSK	132322	1RB#24	22.93	24.93	30	PASS
Band66	10MHz	QPSK	132322	1RB#49	22.52	24.52	30	PASS
Band66	10MHz	QPSK	132322	50RB#0	21.77	23.77	30	PASS
Band66	10MHz	QPSK	132622	1RB#0	22.21	24.21	30	PASS
Band66	10MHz	QPSK	132622	1RB#24	22.42	24.42	30	PASS
Band66	10MHz	QPSK	132622	1RB#49	22.45	24.45	30	PASS
Band66	10MHz	QPSK	132622	50RB#0	21.41	23.41	30	PASS
Band66	10MHz	16QAM	132022	1RB#0	21.5	23.5	30	PASS
Band66	10MHz	16QAM	132022	1RB#24	21.4	23.4	30	PASS
Band66	10MHz	16QAM	132022	1RB#49	21.65	23.65	30	PASS
Band66	10MHz	16QAM	132022	50RB#0	20.56	22.56	30	PASS
Band66	10MHz	16QAM	132322	1RB#0	21.75	23.75	30	PASS
Band66	10MHz	16QAM	132322	1RB#24	21.41	23.41	30	PASS
Band66	10MHz	16QAM	132322	1RB#49	21.42	23.42	30	PASS



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Band66	10MHz	16QAM	132322	50RB#0	20.79	22.79	30	PASS
Band66	10MHz	16QAM	132622	1RB#0	21.29	23.29	30	PASS
Band66	10MHz	16QAM	132622	1RB#24	21.37	23.37	30	PASS
Band66	10MHz	16QAM	132622	1RB#49	21.34	23.34	30	PASS
Band66	10MHz	16QAM	132622	50RB#0	20.59	22.59	30	PASS
Band66	15MHz	QPSK	132047	1RB#0	22.47	24.47	30	PASS
Band66	15MHz	QPSK	132047	1RB#38	22.74	24.74	30	PASS
Band66	15MHz	QPSK	132047	1RB#74	22.57	24.57	30	PASS
Band66	15MHz	QPSK	132047	75RB#0	21.75	23.75	30	PASS
Band66	15MHz	QPSK	132322	1RB#0	22.78	24.78	30	PASS
Band66	15MHz	QPSK	132322	1RB#38	22.86	24.86	30	PASS
Band66	15MHz	QPSK	132322	1RB#74	22.55	24.55	30	PASS
Band66	15MHz	QPSK	132322	75RB#0	21.67	23.67	30	PASS
Band66	15MHz	QPSK	132597	1RB#0	22.15	24.15	30	PASS
Band66	15MHz	QPSK	132597	1RB#38	22.65	24.65	30	PASS
Band66	15MHz	QPSK	132597	1RB#74	22.43	24.43	30	PASS
Band66	15MHz	QPSK	132597	75RB#0	21.52	23.52	30	PASS
Band66	15MHz	16QAM	132047	1RB#0	21.45	23.45	30	PASS
Band66	15MHz	16QAM	132047	1RB#38	21.46	23.46	30	PASS
Band66	15MHz	16QAM	132047	1RB#74	21.39	23.39	30	PASS
Band66	15MHz	16QAM	132047	75RB#0	20.71	22.71	30	PASS
Band66	15MHz	16QAM	132322	1RB#0	21.66	23.66	30	PASS
Band66	15MHz	16QAM	132322	1RB#38	21.42	23.42	30	PASS
Band66	15MHz	16QAM	132322	1RB#74	21.45	23.45	30	PASS
Band66	15MHz	16QAM	132322	75RB#0	20.76	22.76	30	PASS
Band66	15MHz	16QAM	132597	1RB#0	20.99	22.99	30	PASS
Band66	15MHz	16QAM	132597	1RB#38	21.36	23.36	30	PASS
Band66	15MHz	16QAM	132597	1RB#74	21.38	23.38	30	PASS
Band66	15MHz	16QAM	132597	75RB#0	20.48	22.48	30	PASS
Band66	20MHz	QPSK	132072	1RB#0	22.47	24.47	30	PASS
Band66	20MHz	QPSK	132072	1RB#49	22.77	24.77	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	22.72	24.72	30	PASS



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Band66	20MHz	QPSK	132072	100RB#0	21.61	23.61	30	PASS
Band66	20MHz	QPSK	132322	1RB#0	22.71	24.71	30	PASS
Band66	20MHz	QPSK	132322	1RB#49	22.66	24.66	30	PASS
Band66	20MHz	QPSK	132322	1RB#99	22.52	24.52	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	21.67	23.67	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	22.37	24.37	30	PASS
Band66	20MHz	QPSK	132572	1RB#49	22.79	24.79	30	PASS
Band66	20MHz	QPSK	132572	1RB#99	22.32	24.32	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	21.46	23.46	30	PASS
Band66	20MHz	16QAM	132072	1RB#0	21.88	23.88	30	PASS
Band66	20MHz	16QAM	132072	1RB#49	21.93	23.93	30	PASS
Band66	20MHz	16QAM	132072	1RB#99	21.58	23.58	30	PASS
Band66	20MHz	16QAM	132072	100RB#0	20.64	22.64	30	PASS
Band66	20MHz	16QAM	132322	1RB#0	21.43	23.43	30	PASS
Band66	20MHz	16QAM	132322	1RB#49	21.46	23.46	30	PASS
Band66	20MHz	16QAM	132322	1RB#99	21.28	23.28	30	PASS
Band66	20MHz	16QAM	132322	100RB#0	20.7	22.7	30	PASS
Band66	20MHz	16QAM	132572	1RB#0	21.06	23.06	30	PASS
Band66	20MHz	16QAM	132572	1RB#49	21.44	23.44	30	PASS
Band66	20MHz	16QAM	132572	1RB#99	21.55	23.55	30	PASS
Band66	20MHz	16QAM	132572	100RB#0	20.44	22.44	30	PASS



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Field Strength of Spurious Radiation

Test Band = LTE Band 66_ 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	3404.18	43.15	-45.92	29.44	-68.59	-13.00	55.59	296	1	Horizontal
2	5106.27	41.49	-44.28	32.60	-65.45	-13.00	52.45	265	265	Horizontal
3	6808.36	40.65	-42.55	35.82	-61.34	-13.00	48.34	241	70	Horizontal
4	8510.45	35.29	-39.54	38.06	-61.45	-13.00	48.45	175	357	Horizontal
5	10212.54	32.70	-36.59	38.73	-60.41	-13.00	47.41	255	0	Horizontal
6	11914.63	32.29	-35.10	38.68	-59.39	-13.00	46.39	263	182	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	3404.18	42.85	-45.92	29.44	-68.89	-13.00	55.89	269	0	Vertical
2	5106.27	41.19	-44.28	32.60	-65.75	-13.00	52.75	285	136	Vertical
3	6808.36	40.02	-42.55	35.82	-61.97	-13.00	48.97	241	21	Vertical
4	8510.45	35.51	-39.54	38.06	-61.23	-13.00	48.23	174	168	Vertical
5	10212.54	33.16	-36.59	38.73	-59.95	-13.00	46.95	145	71	Vertical
6	11914.63	32.55	-35.10	38.68	-59.13	-13.00	46.13	263	233	Vertical



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Test Band = LTE Band 66_ 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	3454.18	43.05	-45.80	29.42	-68.59	-13.00	55.59	296	4	Horizontal
2	5181.27	41.30	-44.18	32.60	-65.54	-13.00	52.54	285	345	Horizontal
3	6908.36	38.39	-42.44	36.02	-63.30	-13.00	50.30	241	21	Horizontal
4	8635.45	36.06	-39.66	38.20	-60.66	-13.00	47.66	145	0	Horizontal
5	10362.54	33.96	-36.60	38.90	-59.01	-13.00	46.01	286	357	Horizontal
6	12089.63	33.36	-35.20	38.69	-58.41	-13.00	45.41	233	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	3454.18	43.28	-45.80	29.42	-68.36	-13.00	55.36	296	115	Vertical
2	5181.27	41.63	-44.18	32.60	-65.21	-13.00	52.21	265	181	Vertical
3	6908.36	38.45	-42.44	36.02	-63.24	-13.00	50.24	285	99	Vertical
4	8635.45	36.24	-39.66	38.20	-60.48	-13.00	47.48	241	357	Vertical
5	10362.54	33.63	-36.60	38.90	-59.34	-13.00	46.34	144	279	Vertical
6	12089.63	33.29	-35.20	38.69	-58.48	-13.00	45.48	305	68	Vertical



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Test Band = LTE Band 66_ TM1
Test Channel = High 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	3504.18	43.98	-45.67	29.41	-67.54	-13.00	54.54	296	216	Horizontal
2	5256.27	41.77	-44.07	32.60	-64.96	-13.00	51.96	282	216	Horizontal
3	7008.36	38.49	-42.58	36.21	-63.14	-13.00	50.14	174	280	Horizontal
4	8760.45	36.94	-39.21	38.34	-59.20	-13.00	46.20	142	105	Horizontal
5	10512.54	32.86	-36.36	39.06	-59.70	-13.00	46.70	256	280	Horizontal
6	12262.63	31.74	-35.13	38.86	-59.79	-13.00	46.79	236	216	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	3504.18	43.81	-45.67	29.41	-67.71	-13.00	54.71	368	296	Vertical
2	5256.27	41.73	-44.07	32.60	-65.00	-13.00	52.00	254	38	Vertical
3	7008.36	38.79	-42.58	36.21	-62.84	-13.00	49.84	142	38	Vertical
4	8760.45	36.56	-39.21	38.34	-59.58	-13.00	46.58	285	216	Vertical
5	10512.54	34.09	-36.36	39.06	-58.47	-13.00	45.47	255	54	Vertical
6	12262.63	30.58	-35.13	38.86	-60.95	-13.00	47.95	263	71	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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