

Report No.: SEWM2209000178RG01

Rev.: 01

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# Appendix B.14

## LTE Band 41



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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
Band41	5MHz	QPSK	39675	1RB#0	25.57	28.77	33	PASS
Band41	5MHz	QPSK	39675	1RB#12	25.6	28.8	33	PASS
Band41	5MHz	QPSK	39675	1RB#24	25.57	28.77	33	PASS
Band41	5MHz	QPSK	39675	25RB#0	24.56	27.76	33	PASS
Band41	5MHz	QPSK	40620	1RB#0	25.56	28.76	33	PASS
Band41	5MHz	QPSK	40620	1RB#12	25.55	28.75	33	PASS
Band41	5MHz	QPSK	40620	1RB#24	25.5	28.7	33	PASS
Band41	5MHz	QPSK	40620	25RB#0	24.56	27.76	33	PASS
Band41	5MHz	QPSK	41565	1RB#0	25.47	28.67	33	PASS
Band41	5MHz	QPSK	41565	1RB#12	25.66	28.86	33	PASS
Band41	5MHz	QPSK	41565	1RB#24	25.6	28.8	33	PASS
Band41	5MHz	QPSK	41565	25RB#0	24.54	27.74	33	PASS
Band41	5MHz	16QAM	39675	1RB#0	24.76	27.96	33	PASS
Band41	5MHz	16QAM	39675	1RB#12	24.76	27.96	33	PASS
Band41	5MHz	16QAM	39675	1RB#24	24.77	27.97	33	PASS
Band41	5MHz	16QAM	39675	25RB#0	23.56	26.76	33	PASS
Band41	5MHz	16QAM	40620	1RB#0	24.84	28.04	33	PASS
Band41	5MHz	16QAM	40620	1RB#12	24.77	27.97	33	PASS
Band41	5MHz	16QAM	40620	1RB#24	24.73	27.93	33	PASS
Band41	5MHz	16QAM	40620	25RB#0	23.47	26.67	33	PASS
Band41	5MHz	16QAM	41565	1RB#0	24.77	27.97	33	PASS
Band41	5MHz	16QAM	41565	1RB#12	24.79	27.99	33	PASS
Band41	5MHz	16QAM	41565	1RB#24	24.72	27.92	33	PASS
Band41	5MHz	16QAM	41565	25RB#0	23.44	26.64	33	PASS
Band41	5MHz	64QAM	39675	1RB#0	24.94	28.14	33	PASS



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Band41	5MHz	64QAM	39675	1RB#12	23.51	26.71	33	PASS
Band41	5MHz	64QAM	39675	1RB#24	23.5	26.7	33	PASS
Band41	5MHz	64QAM	39675	25RB#0	22.57	25.77	33	PASS
Band41	5MHz	64QAM	40620	1RB#0	23.55	26.75	33	PASS
Band41	5MHz	64QAM	40620	1RB#12	23.49	26.69	33	PASS
Band41	5MHz	64QAM	40620	1RB#24	23.43	26.63	33	PASS
Band41	5MHz	64QAM	40620	25RB#0	22.52	25.72	33	PASS
Band41	5MHz	64QAM	41565	1RB#0	23.48	26.68	33	PASS
Band41	5MHz	64QAM	41565	1RB#12	23.49	26.69	33	PASS
Band41	5MHz	64QAM	41565	1RB#24	23.44	26.64	33	PASS
Band41	5MHz	64QAM	41565	25RB#0	22.5	25.7	33	PASS
Band41	5MHz	256QAM	39675	1RB#0	21.52	24.72	33	PASS
Band41	5MHz	256QAM	39675	1RB#12	21.36	24.56	33	PASS
Band41	5MHz	256QAM	39675	1RB#24	21.52	24.72	33	PASS
Band41	5MHz	256QAM	39675	25RB#0	20.87	24.07	33	PASS
Band41	5MHz	256QAM	40620	1RB#0	21.41	24.61	33	PASS
Band41	5MHz	256QAM	40620	1RB#12	20.98	24.18	33	PASS
Band41	5MHz	256QAM	40620	1RB#24	21.02	24.22	33	PASS
Band41	5MHz	256QAM	40620	25RB#0	20.56	23.76	33	PASS
Band41	5MHz	256QAM	41565	1RB#0	21.23	24.43	33	PASS
Band41	5MHz	256QAM	41565	1RB#12	21.25	24.45	33	PASS
Band41	5MHz	256QAM	41565	1RB#24	21.36	24.56	33	PASS
Band41	5MHz	256QAM	41565	25RB#0	20.25	23.45	33	PASS
Band41	10MHz	QPSK	39700	1RB#0	25.55	28.75	33	PASS
Band41	10MHz	QPSK	39700	1RB#24	25.78	28.98	33	PASS
Band41	10MHz	QPSK	39700	1RB#49	25.56	28.76	33	PASS
Band41	10MHz	QPSK	39700	50RB#0	24.66	27.86	33	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.04	25.24	33	PASS
Band41	10MHz	QPSK	40620	1RB#24	25.52	28.72	33	PASS
Band41	10MHz	QPSK	40620	1RB#49	25.54	28.74	33	PASS
Band41	10MHz	QPSK	40620	50RB#0	24.58	27.78	33	PASS
Band41	10MHz	QPSK	41540	1RB#0	25.51	28.71	33	PASS
Band41	10MHz	QPSK	41540	1RB#24	25.47	28.67	33	PASS



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Band41	10MHz	QPSK	41540	1RB#49	25.34	28.54	33	PASS
Band41	10MHz	QPSK	41540	50RB#0	24.54	27.74	33	PASS
Band41	10MHz	16QAM	39700	1RB#0	24.77	27.97	33	PASS
Band41	10MHz	16QAM	39700	1RB#24	24.87	28.07	33	PASS
Band41	10MHz	16QAM	39700	1RB#49	24.79	27.99	33	PASS
Band41	10MHz	16QAM	39700	50RB#0	23.68	26.88	33	PASS
Band41	10MHz	16QAM	40620	1RB#0	24.92	28.12	33	PASS
Band41	10MHz	16QAM	40620	1RB#24	24.85	28.05	33	PASS
Band41	10MHz	16QAM	40620	1RB#49	24.76	27.96	33	PASS
Band41	10MHz	16QAM	40620	50RB#0	23.58	26.78	33	PASS
Band41	10MHz	16QAM	41540	1RB#0	24.86	28.06	33	PASS
Band41	10MHz	16QAM	41540	1RB#24	24.84	28.04	33	PASS
Band41	10MHz	16QAM	41540	1RB#49	24.74	27.94	33	PASS
Band41	10MHz	16QAM	41540	50RB#0	23.55	26.75	33	PASS
Band41	10MHz	64QAM	39700	1RB#0	23.51	26.71	33	PASS
Band41	10MHz	64QAM	39700	1RB#24	23.58	26.78	33	PASS
Band41	10MHz	64QAM	39700	1RB#49	23.52	26.72	33	PASS
Band41	10MHz	64QAM	39700	50RB#0	22.69	25.89	33	PASS
Band41	10MHz	64QAM	40620	1RB#0	23.61	26.81	33	PASS
Band41	10MHz	64QAM	40620	1RB#24	23.52	26.72	33	PASS
Band41	10MHz	64QAM	40620	1RB#49	23.44	26.64	33	PASS
Band41	10MHz	64QAM	40620	50RB#0	22.59	25.79	33	PASS
Band41	10MHz	64QAM	41540	1RB#0	23.56	26.76	33	PASS
Band41	10MHz	64QAM	41540	1RB#24	23.5	26.7	33	PASS
Band41	10MHz	64QAM	41540	1RB#49	23.46	26.66	33	PASS
Band41	10MHz	64QAM	41540	50RB#0	22.56	25.76	33	PASS
Band41	10MHz	256QAM	39700	1RB#0	21.45	24.65	33	PASS
Band41	10MHz	256QAM	39700	1RB#24	21.36	24.56	33	PASS
Band41	10MHz	256QAM	39700	1RB#49	21.45	24.65	33	PASS
Band41	10MHz	256QAM	39700	50RB#0	20.36	23.56	33	PASS
Band41	10MHz	256QAM	40620	1RB#0	21.45	24.65	33	PASS
Band41	10MHz	256QAM	40620	1RB#24	21.69	24.89	33	PASS
Band41	10MHz	256QAM	40620	1RB#49	21.45	24.65	33	PASS



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Band41	10MHz	256QAM	40620	50RB#0	20.63	23.83	33	PASS
Band41	10MHz	256QAM	41540	1RB#0	21.58	24.78	33	PASS
Band41	10MHz	256QAM	41540	1RB#24	21.63	24.83	33	PASS
Band41	10MHz	256QAM	41540	1RB#49	21.47	24.67	33	PASS
Band41	10MHz	256QAM	41540	50RB#0	20.3	23.5	33	PASS
Band41	15MHz	QPSK	39725	1RB#0	25.45	28.65	33	PASS
Band41	15MHz	QPSK	39725	1RB#38	25.6	28.8	33	PASS
Band41	15MHz	QPSK	39725	1RB#74	25.45	28.65	33	PASS
Band41	15MHz	QPSK	39725	75RB#0	24.61	27.81	33	PASS
Band41	15MHz	QPSK	40620	1RB#0	25.56	28.76	33	PASS
Band41	15MHz	QPSK	40620	1RB#38	25.62	28.82	33	PASS
Band41	15MHz	QPSK	40620	1RB#74	25.24	28.44	33	PASS
Band41	15MHz	QPSK	40620	75RB#0	24.54	27.74	33	PASS
Band41	15MHz	QPSK	41515	1RB#0	25.45	28.65	33	PASS
Band41	15MHz	QPSK	41515	1RB#38	25.36	28.56	33	PASS
Band41	15MHz	QPSK	41515	1RB#74	25.27	28.47	33	PASS
Band41	15MHz	QPSK	41515	75RB#0	24.51	27.71	33	PASS
Band41	15MHz	16QAM	39725	1RB#0	24.7	27.9	33	PASS
Band41	15MHz	16QAM	39725	1RB#38	24.86	28.06	33	PASS
Band41	15MHz	16QAM	39725	1RB#74	24.75	27.95	33	PASS
Band41	15MHz	16QAM	39725	75RB#0	23.61	26.81	33	PASS
Band41	15MHz	16QAM	40620	1RB#0	24.92	28.12	33	PASS
Band41	15MHz	16QAM	40620	1RB#38	24.83	28.03	33	PASS
Band41	15MHz	16QAM	40620	1RB#74	24.64	27.84	33	PASS
Band41	15MHz	16QAM	40620	75RB#0	25.12	28.32	33	PASS
Band41	15MHz	16QAM	41515	1RB#0	25.14	28.34	33	PASS
Band41	15MHz	16QAM	41515	1RB#38	24.79	27.99	33	PASS
Band41	15MHz	16QAM	41515	1RB#74	24.71	27.91	33	PASS
Band41	15MHz	16QAM	41515	75RB#0	23.52	26.72	33	PASS
Band41	15MHz	64QAM	39725	1RB#0	23.4	26.6	33	PASS
Band41	15MHz	64QAM	39725	1RB#38	23.58	26.78	33	PASS
Band41	15MHz	64QAM	39725	1RB#74	23.44	26.64	33	PASS
Band41	15MHz	64QAM	39725	75RB#0	22.61	25.81	33	PASS



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Band41	15MHz	64QAM	40620	1RB#0	23.61	26.81	33	PASS
Band41	15MHz	64QAM	40620	1RB#38	23.51	26.71	33	PASS
Band41	15MHz	64QAM	40620	1RB#74	23.34	26.54	33	PASS
Band41	15MHz	64QAM	40620	75RB#0	22.53	25.73	33	PASS
Band41	15MHz	64QAM	41515	1RB#0	24.45	27.65	33	PASS
Band41	15MHz	64QAM	41515	1RB#38	23.47	26.67	33	PASS
Band41	15MHz	64QAM	41515	1RB#74	23.39	26.59	33	PASS
Band41	15MHz	64QAM	41515	75RB#0	22.52	25.72	33	PASS
Band41	15MHz	256QAM	39725	1RB#0	21.45	24.65	33	PASS
Band41	15MHz	256QAM	39725	1RB#38	21.5	24.7	33	PASS
Band41	15MHz	256QAM	39725	1RB#74	21.54	24.74	33	PASS
Band41	15MHz	256QAM	39725	75RB#0	20.42	23.62	33	PASS
Band41	15MHz	256QAM	40620	1RB#0	21.36	24.56	33	PASS
Band41	15MHz	256QAM	40620	1RB#38	21.52	24.72	33	PASS
Band41	15MHz	256QAM	40620	1RB#74	21.36	24.56	33	PASS
Band41	15MHz	256QAM	40620	75RB#0	20.45	23.65	33	PASS
Band41	15MHz	256QAM	41515	1RB#0	21.41	24.61	33	PASS
Band41	15MHz	256QAM	41515	1RB#38	21.36	24.56	33	PASS
Band41	15MHz	256QAM	41515	1RB#74	21.52	24.72	33	PASS
Band41	15MHz	256QAM	41515	75RB#0	20.36	23.56	33	PASS
Band41	20MHz	QPSK	39750	1RB#0	25.43	28.63	33	PASS
Band41	20MHz	QPSK	39750	1RB#49	25.57	28.77	33	PASS
Band41	20MHz	QPSK	39750	1RB#99	25.35	28.55	33	PASS
Band41	20MHz	QPSK	39750	100RB#0	24.59	27.79	33	PASS
Band41	20MHz	QPSK	40620	1RB#0	25.6	28.8	33	PASS
Band41	20MHz	QPSK	40620	1RB#49	25.5	28.7	33	PASS
Band41	20MHz	QPSK	40620	1RB#99	25.28	28.48	33	PASS
Band41	20MHz	QPSK	40620	100RB#0	24.56	27.76	33	PASS
Band41	20MHz	QPSK	41490	1RB#0	25.52	28.72	33	PASS
Band41	20MHz	QPSK	41490	1RB#49	25.47	28.67	33	PASS
Band41	20MHz	QPSK	41490	1RB#99	25.28	28.48	33	PASS
Band41	20MHz	QPSK	41490	100RB#0	24.53	27.73	33	PASS
Band41	20MHz	16QAM	39750	1RB#0	25.21	28.41	33	PASS



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Band41	20MHz	16QAM	39750	1RB#49	24.84	28.04	33	PASS
Band41	20MHz	16QAM	39750	1RB#99	24.64	27.84	33	PASS
Band41	20MHz	16QAM	39750	100RB#0	24.52	27.72	33	PASS
Band41	20MHz	16QAM	40620	1RB#0	25.07	28.27	33	PASS
Band41	20MHz	16QAM	40620	1RB#49	24.83	28.03	33	PASS
Band41	20MHz	16QAM	40620	1RB#99	24.56	27.76	33	PASS
Band41	20MHz	16QAM	40620	100RB#0	23.6	26.8	33	PASS
Band41	20MHz	16QAM	41490	1RB#0	24.82	28.02	33	PASS
Band41	20MHz	16QAM	41490	1RB#49	24.85	28.05	33	PASS
Band41	20MHz	16QAM	41490	1RB#99	24.67	27.87	33	PASS
Band41	20MHz	16QAM	41490	100RB#0	23.56	26.76	33	PASS
Band41	20MHz	64QAM	39750	1RB#0	23.37	26.57	33	PASS
Band41	20MHz	64QAM	39750	1RB#49	23.54	26.74	33	PASS
Band41	20MHz	64QAM	39750	1RB#99	23.37	26.57	33	PASS
Band41	20MHz	64QAM	39750	100RB#0	23.79	26.99	33	PASS
Band41	20MHz	64QAM	40620	1RB#0	25.17	28.37	33	PASS
Band41	20MHz	64QAM	40620	1RB#49	23.52	26.72	33	PASS
Band41	20MHz	64QAM	40620	1RB#99	23.22	26.42	33	PASS
Band41	20MHz	64QAM	40620	100RB#0	22.54	25.74	33	PASS
Band41	20MHz	64QAM	41490	1RB#0	23.54	26.74	33	PASS
Band41	20MHz	64QAM	41490	1RB#49	23.53	26.73	33	PASS
Band41	20MHz	64QAM	41490	1RB#99	23.37	26.57	33	PASS
Band41	20MHz	64QAM	41490	100RB#0	22.51	25.71	33	PASS
Band41	20MHz	256QAM	39750	1RB#0	21.63	24.83	33	PASS
Band41	20MHz	256QAM	39750	1RB#49	21.25	24.45	33	PASS
Band41	20MHz	256QAM	39750	1RB#99	21.45	24.65	33	PASS
Band41	20MHz	256QAM	39750	100RB#0	20.32	23.52	33	PASS
Band41	20MHz	256QAM	40620	1RB#0	21.41	24.61	33	PASS
Band41	20MHz	256QAM	40620	1RB#49	21.25	24.45	33	PASS
Band41	20MHz	256QAM	40620	1RB#99	21.36	24.56	33	PASS
Band41	20MHz	256QAM	40620	100RB#0	20.36	23.56	33	PASS
Band41	20MHz	256QAM	41490	1RB#0	21.44	24.64	33	PASS
Band41	20MHz	256QAM	41490	1RB#49	21.36	24.56	33	PASS



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Band41	20MHz	256QAM	41490	1RB#99	21.52	24.72	33	PASS
Band41	20MHz	256QAM	41490	100RB#0	20.36	23.56	33	PASS



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## Field Strength of Spurious Radiation

Test Band = LTE Band41\_ 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	4994.1800	50.78	-45.63	32.86	-57.25	-25.00	32.25	245	30	Horizontal
2	7491.2700	45.16	-43.16	36.44	-56.82	-25.00	31.82	166	3	Horizontal
3	9988.3600	35.19	-39.25	38.47	-60.85	-25.00	35.85	100	285	Horizontal
4	12485.4500	28.45	-37.04	39.16	-64.69	-25.00	39.69	195	0	Horizontal
5	14982.5400	28.88	-34.64	39.26	-61.76	-25.00	36.76	148	299	Horizontal
6	17479.6300	30.06	-35.10	39.13	-61.17	-25.00	36.17	213	76	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	4994.1800	50.24	-45.63	32.86	-57.79	-25.00	32.79	241	300	Vertical
2	7491.2700	43.16	-43.16	36.44	-58.82	-25.00	33.82	168	209	Vertical
3	9988.3600	34.46	-39.25	38.47	-61.58	-25.00	36.58	192	331	Vertical
4	12485.4500	28.89	-37.04	39.16	-64.25	-25.00	39.25	143	0	Vertical
5	14982.5400	27.54	-34.64	39.26	-63.10	-25.00	38.10	233	0	Vertical
6	17479.6300	29.34	-35.10	39.13	-61.89	-25.00	36.89	219	74	Vertical



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**Test Band = LTE Band41\_ 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	3636.75	51.05	-45.90	29.74	-60.37	-25.00	35.37	247	3	Horizontal
2	6577.5	48.38	-44.41	35.35	-55.94	-25.00	30.94	126	212	Horizontal
3	7752.2700	41.06	-42.69	36.69	-60.20	-25.00	35.20	158	332	Horizontal
4	10336.3600	31.66	-39.06	38.84	-63.82	-25.00	38.82	145	242	Horizontal
5	12920.4500	29.77	-37.16	39.75	-62.90	-25.00	37.90	126	3	Horizontal
6	15504.5400	29.34	-35.35	38.57	-62.70	-25.00	37.70	299	92	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	4054.5	50.54	-45.89	30.88	-59.73	-25.00	34.73	215	330	Vertical
2	5168.1800	51.75	-45.31	32.97	-55.85	-25.00	30.85	142	356	Vertical
3	7752.2700	41.10	-42.69	36.69	-60.16	-25.00	35.16	126	3	Vertical
4	10336.3600	33.48	-39.06	38.84	-62.00	-25.00	37.00	122	3	Vertical
5	12920.4500	29.23	-37.16	39.75	-63.44	-25.00	38.44	139	138	Vertical
6	15504.5400	28.56	-35.35	38.57	-63.48	-25.00	38.48	299	0	Vertical



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**Test Band = LTE Band41\_ 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	3770.25	49.78	-45.80	30.22	-61.05	-25.00	36.05	288	42	Horizontal
2	5255.1800	46.36	-45.18	32.94	-61.14	-25.00	36.14	174	148	Horizontal
3	7882.7700	41.64	-42.73	36.88	-59.48	-25.00	34.48	159	301	Horizontal
4	10510.3600	31.48	-38.77	38.97	-63.57	-25.00	38.57	146	117	Horizontal
5	13137.9500	29.39	-37.08	39.89	-63.05	-25.00	38.05	126	285	Horizontal
6	15765.5400	29.04	-33.25	38.24	-61.22	-25.00	36.22	138	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	4051.5	52.01	-45.90	30.88	-58.27	-25.00	33.27	254	226	Vertical
2	5255.1800	46.69	-45.18	32.94	-60.81	-25.00	35.81	165	0	Vertical
3	7882.7700	40.79	-42.73	36.88	-60.33	-25.00	35.33	128	46	Vertical
4	10510.3600	31.85	-38.77	38.97	-63.20	-25.00	38.20	199	344	Vertical
5	13137.9500	28.70	-37.08	39.89	-63.74	-25.00	38.74	142	212	Vertical
6	15765.5400	28.85	-33.25	38.24	-61.41	-25.00	36.41	138	152	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---

