

Report No.: SEWM2308000332RG01

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Appendix B.9

LTE Band 25



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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
Band25	1.4MHz	QPSK	26047	1RB#0	22.68	25.55	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#2	22.74	25.61	33	PASS
Band25	1.4MHz	QPSK	26047	1RB#5	22.56	25.43	33	PASS
Band25	1.4MHz	QPSK	26047	6RB#0	21.58	24.45	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#0	22.36	25.23	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#2	22.38	25.25	33	PASS
Band25	1.4MHz	QPSK	26365	1RB#5	22.35	25.22	33	PASS
Band25	1.4MHz	QPSK	26365	6RB#0	21.35	24.22	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#0	22.99	25.86	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#2	23	25.87	33	PASS
Band25	1.4MHz	QPSK	26683	1RB#5	23.01	25.88	33	PASS
Band25	1.4MHz	QPSK	26683	6RB#0	21.74	24.61	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#0	21.75	24.62	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#2	21.87	24.74	33	PASS
Band25	1.4MHz	16QAM	26047	1RB#5	21.67	24.54	33	PASS
Band25	1.4MHz	16QAM	26047	6RB#0	20.86	23.73	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#0	21.55	24.42	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#2	21.62	24.49	33	PASS
Band25	1.4MHz	16QAM	26365	1RB#5	21.52	24.39	33	PASS
Band25	1.4MHz	16QAM	26365	6RB#0	20.42	23.29	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#0	21.99	24.86	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#2	22.13	25	33	PASS
Band25	1.4MHz	16QAM	26683	1RB#5	22.21	25.08	33	PASS
Band25	1.4MHz	16QAM	26683	6RB#0	20.93	23.8	33	PASS
Band25	3MHz	QPSK	26055	1RB#0	22.69	25.56	33	PASS
Band25	3MHz	QPSK	26055	1RB#8	22.63	25.5	33	PASS
Band25	3MHz	QPSK	26055	1RB#14	22.63	25.5	33	PASS



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Band25	3MHz	QPSK	26055	15RB#0	21.61	24.48	33	PASS
Band25	3MHz	QPSK	26365	1RB#0	22.48	25.35	33	PASS
Band25	3MHz	QPSK	26365	1RB#8	22.43	25.3	33	PASS
Band25	3MHz	QPSK	26365	1RB#14	22.39	25.26	33	PASS
Band25	3MHz	QPSK	26365	15RB#0	21.36	24.23	33	PASS
Band25	3MHz	QPSK	26675	1RB#0	22.92	25.79	33	PASS
Band25	3MHz	QPSK	26675	1RB#8	23	25.87	33	PASS
Band25	3MHz	QPSK	26675	1RB#14	22.99	25.86	33	PASS
Band25	3MHz	QPSK	26675	15RB#0	21.76	24.63	33	PASS
Band25	3MHz	16QAM	26055	1RB#0	21.9	24.77	33	PASS
Band25	3MHz	16QAM	26055	1RB#8	21.86	24.73	33	PASS
Band25	3MHz	16QAM	26055	1RB#14	21.9	24.77	33	PASS
Band25	3MHz	16QAM	26055	15RB#0	20.62	23.49	33	PASS
Band25	3MHz	16QAM	26365	1RB#0	21.61	24.48	33	PASS
Band25	3MHz	16QAM	26365	1RB#8	21.61	24.48	33	PASS
Band25	3MHz	16QAM	26365	1RB#14	21.64	24.51	33	PASS
Band25	3MHz	16QAM	26365	15RB#0	20.36	23.23	33	PASS
Band25	3MHz	16QAM	26675	1RB#0	22.21	25.08	33	PASS
Band25	3MHz	16QAM	26675	1RB#8	22.03	24.9	33	PASS
Band25	3MHz	16QAM	26675	1RB#14	22.1	24.97	33	PASS
Band25	3MHz	16QAM	26675	15RB#0	20.77	23.64	33	PASS
Band25	5MHz	QPSK	26065	1RB#0	22.77	25.64	33	PASS
Band25	5MHz	QPSK	26065	1RB#12	22.76	25.63	33	PASS
Band25	5MHz	QPSK	26065	1RB#24	22.57	25.44	33	PASS
Band25	5MHz	QPSK	26065	25RB#0	21.46	24.33	33	PASS
Band25	5MHz	QPSK	26365	1RB#0	22.6	25.47	33	PASS
Band25	5MHz	QPSK	26365	1RB#12	22.39	25.26	33	PASS
Band25	5MHz	QPSK	26365	1RB#24	22.44	25.31	33	PASS
Band25	5MHz	QPSK	26365	25RB#0	21.5	24.37	33	PASS
Band25	5MHz	QPSK	26665	1RB#0	22.86	25.73	33	PASS
Band25	5MHz	QPSK	26665	1RB#12	22.75	25.62	33	PASS
Band25	5MHz	QPSK	26665	1RB#24	22.91	25.78	33	PASS



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Band25	5MHz	QPSK	26665	25RB#0	21.85	24.72	33	PASS
Band25	5MHz	16QAM	26065	1RB#0	21.91	24.78	33	PASS
Band25	5MHz	16QAM	26065	1RB#12	21.67	24.54	33	PASS
Band25	5MHz	16QAM	26065	1RB#24	21.62	24.49	33	PASS
Band25	5MHz	16QAM	26065	25RB#0	20.44	23.31	33	PASS
Band25	5MHz	16QAM	26365	1RB#0	21.85	24.72	33	PASS
Band25	5MHz	16QAM	26365	1RB#12	21.75	24.62	33	PASS
Band25	5MHz	16QAM	26365	1RB#24	21.65	24.52	33	PASS
Band25	5MHz	16QAM	26365	25RB#0	20.49	23.36	33	PASS
Band25	5MHz	16QAM	26665	1RB#0	22.07	24.94	33	PASS
Band25	5MHz	16QAM	26665	1RB#12	22.05	24.92	33	PASS
Band25	5MHz	16QAM	26665	1RB#24	22.05	24.92	33	PASS
Band25	5MHz	16QAM	26665	25RB#0	20.8	23.67	33	PASS
Band25	10MHz	QPSK	26090	1RB#0	22.87	25.74	33	PASS
Band25	10MHz	QPSK	26090	1RB#24	22.5	25.37	33	PASS
Band25	10MHz	QPSK	26090	1RB#49	22.8	25.67	33	PASS
Band25	10MHz	QPSK	26090	50RB#0	21.64	24.51	33	PASS
Band25	10MHz	QPSK	26365	1RB#0	22.48	25.35	33	PASS
Band25	10MHz	QPSK	26365	1RB#24	22.39	25.26	33	PASS
Band25	10MHz	QPSK	26365	1RB#49	22.7	25.57	33	PASS
Band25	10MHz	QPSK	26365	50RB#0	21.49	24.36	33	PASS
Band25	10MHz	QPSK	26640	1RB#0	22.88	25.75	33	PASS
Band25	10MHz	QPSK	26640	1RB#24	22.92	25.79	33	PASS
Band25	10MHz	QPSK	26640	1RB#49	22.99	25.86	33	PASS
Band25	10MHz	QPSK	26640	50RB#0	21.81	24.68	33	PASS
Band25	10MHz	16QAM	26090	1RB#0	22.02	24.89	33	PASS
Band25	10MHz	16QAM	26090	1RB#24	22.08	24.95	33	PASS
Band25	10MHz	16QAM	26090	1RB#49	22.16	25.03	33	PASS
Band25	10MHz	16QAM	26090	50RB#0	20.63	23.5	33	PASS
Band25	10MHz	16QAM	26365	1RB#0	21.75	24.62	33	PASS
Band25	10MHz	16QAM	26365	1RB#24	21.74	24.61	33	PASS
Band25	10MHz	16QAM	26365	1RB#49	21.98	24.85	33	PASS



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Band25	10MHz	16QAM	26365	50RB#0	20.48	23.35	33	PASS
Band25	10MHz	16QAM	26640	1RB#0	22.13	25	33	PASS
Band25	10MHz	16QAM	26640	1RB#24	22.25	25.12	33	PASS
Band25	10MHz	16QAM	26640	1RB#49	22.35	25.22	33	PASS
Band25	10MHz	16QAM	26640	50RB#0	20.89	23.76	33	PASS
Band25	15MHz	QPSK	26115	1RB#0	22.64	25.51	33	PASS
Band25	15MHz	QPSK	26115	1RB#38	22.59	25.46	33	PASS
Band25	15MHz	QPSK	26115	1RB#74	22.67	25.54	33	PASS
Band25	15MHz	QPSK	26115	75RB#0	21.63	24.5	33	PASS
Band25	15MHz	QPSK	26365	1RB#0	22.5	25.37	33	PASS
Band25	15MHz	QPSK	26365	1RB#38	22.46	25.33	33	PASS
Band25	15MHz	QPSK	26365	1RB#74	22.6	25.47	33	PASS
Band25	15MHz	QPSK	26365	75RB#0	21.49	24.36	33	PASS
Band25	15MHz	QPSK	26615	1RB#0	22.89	25.76	33	PASS
Band25	15MHz	QPSK	26615	1RB#38	22.75	25.62	33	PASS
Band25	15MHz	QPSK	26615	1RB#74	23.14	26.01	33	PASS
Band25	15MHz	QPSK	26615	75RB#0	21.86	24.73	33	PASS
Band25	15MHz	16QAM	26115	1RB#0	21.83	24.7	33	PASS
Band25	15MHz	16QAM	26115	1RB#38	21.75	24.62	33	PASS
Band25	15MHz	16QAM	26115	1RB#74	21.88	24.75	33	PASS
Band25	15MHz	16QAM	26115	75RB#0	20.61	23.48	33	PASS
Band25	15MHz	16QAM	26365	1RB#0	21.67	24.54	33	PASS
Band25	15MHz	16QAM	26365	1RB#38	21.77	24.64	33	PASS
Band25	15MHz	16QAM	26365	1RB#74	21.81	24.68	33	PASS
Band25	15MHz	16QAM	26365	75RB#0	20.55	23.42	33	PASS
Band25	15MHz	16QAM	26615	1RB#0	22.11	24.98	33	PASS
Band25	15MHz	16QAM	26615	1RB#38	21.97	24.84	33	PASS
Band25	15MHz	16QAM	26615	1RB#74	22.35	25.22	33	PASS
Band25	15MHz	16QAM	26615	75RB#0	21.06	23.93	33	PASS
Band25	20MHz	QPSK	26140	1RB#0	22.52	25.39	33	PASS
Band25	20MHz	QPSK	26140	1RB#49	22.58	25.45	33	PASS
Band25	20MHz	QPSK	26140	1RB#99	22.3	25.17	33	PASS



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Band25	20MHz	QPSK	26140	100RB#0	21.64	24.51	33	PASS
Band25	20MHz	QPSK	26365	1RB#0	22.41	25.28	33	PASS
Band25	20MHz	QPSK	26365	1RB#49	22.53	25.4	33	PASS
Band25	20MHz	QPSK	26365	1RB#99	22.3	25.17	33	PASS
Band25	20MHz	QPSK	26365	100RB#0	21.54	24.41	33	PASS
Band25	20MHz	QPSK	26590	1RB#0	22.84	25.71	33	PASS
Band25	20MHz	QPSK	26590	1RB#49	22.81	25.68	33	PASS
Band25	20MHz	QPSK	26590	1RB#99	22.83	25.7	33	PASS
Band25	20MHz	QPSK	26590	100RB#0	21.97	24.84	33	PASS
Band25	20MHz	16QAM	26140	1RB#0	21.69	24.56	33	PASS
Band25	20MHz	16QAM	26140	1RB#49	22.1	24.97	33	PASS
Band25	20MHz	16QAM	26140	1RB#99	21.38	24.25	33	PASS
Band25	20MHz	16QAM	26140	100RB#0	20.59	23.46	33	PASS
Band25	20MHz	16QAM	26365	1RB#0	21.69	24.56	33	PASS
Band25	20MHz	16QAM	26365	1RB#49	21.91	24.78	33	PASS
Band25	20MHz	16QAM	26365	1RB#99	21.48	24.35	33	PASS
Band25	20MHz	16QAM	26365	100RB#0	20.44	23.31	33	PASS
Band25	20MHz	16QAM	26590	1RB#0	21.97	24.84	33	PASS
Band25	20MHz	16QAM	26590	1RB#49	22.23	25.1	33	PASS
Band25	20MHz	16QAM	26590	1RB#99	22.02	24.89	33	PASS
Band25	20MHz	16QAM	26590	100RB#0	20.8	23.67	33	PASS



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Field Strength of Spurious Radiation

Test Band = LTE Band 25_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	3702	58.39	-45.69	29.88	-52.68	-13.00	39.68	243	0	Horizontal
2	5553	59.93	-43.87	32.77	-46.43	-13.00	33.43	196	86	Horizontal
3	7404.36	42.88	-41.96	36.44	-57.90	-13.00	44.90	285	136	Horizontal
4	9255.45	35.26	-38.39	38.57	-59.82	-13.00	46.82	173	52	Horizontal
5	11106.54	32.06	-35.35	39.49	-59.06	-13.00	46.06	156	358	Horizontal
6	12957.63	33.07	-34.89	39.56	-57.53	-13.00	44.53	225	331	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	3702	62.54	-45.69	29.88	-48.53	-13.00	35.53	169	163	Vertical
2	5553	61.43	-43.87	32.77	-44.93	-13.00	31.93	185	279	Vertical
3	7404	48.38	-41.96	36.44	-52.40	-13.00	39.40	226	213	Vertical
4	9255.45	35.61	-38.39	38.57	-59.47	-13.00	46.47	138	130	Vertical
5	11106.54	32.42	-35.35	39.49	-58.70	-13.00	45.70	247	146	Vertical
6	12957.63	32.55	-34.89	39.56	-58.05	-13.00	45.05	184	357	Vertical



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Test Band = LTE Band 25_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	3742.18	57.29	-45.59	29.98	-53.57	-13.00	40.57	259	16	Horizontal
2	5613.27	54.19	-43.84	32.96	-51.95	-13.00	38.95	169	100	Horizontal
3	7484.36	39.61	-41.66	36.49	-60.82	-13.00	47.82	247	280	Horizontal
4	9355.45	34.91	-38.26	38.56	-60.05	-13.00	47.05	186	280	Horizontal
5	11226.54	33.40	-35.07	39.37	-57.55	-13.00	44.55	215	357	Horizontal
6	13097.63	32.74	-34.47	39.66	-57.33	-13.00	44.33	163	149	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	3741.75	59.44	-45.59	29.98	-51.43	-13.00	38.43	215	198	Vertical
2	5613	55.52	-43.84	32.96	-50.62	-13.00	37.62	269	215	Vertical
3	7484.25	45.87	-41.66	36.49	-54.56	-13.00	41.56	233	215	Vertical
4	9355.45	34.91	-38.26	38.56	-60.05	-13.00	47.05	174	33	Vertical
5	11226.54	32.37	-35.07	39.37	-58.58	-13.00	45.58	186	314	Vertical
6	13097.63	31.73	-34.47	39.66	-58.34	-13.00	45.34	159	181	Vertical



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Test Band = LTE Band 25_20MHz_ 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	3792	56.12	-45.45	30.10	-54.49	-13.00	41.49	269	28	Horizontal
2	5688	57.11	-43.75	33.20	-48.70	-13.00	35.70	141	292	Horizontal
3	7584.36	40.09	-41.31	36.67	-59.81	-13.00	46.81	298	59	Horizontal
4	9480.45	35.57	-38.15	38.55	-59.29	-13.00	46.29	223	259	Horizontal
5	11376.54	32.67	-35.48	39.22	-58.85	-13.00	45.85	168	193	Horizontal
6	13272.63	31.75	-35.12	39.76	-58.86	-13.00	45.86	201	14	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	3792	62.44	-45.45	30.10	-48.17	-13.00	35.17	239	212	Vertical
2	5688.27	57.30	-43.75	33.20	-48.51	-13.00	35.51	287	261	Vertical
3	7584.36	44.64	-41.31	36.67	-55.26	-13.00	42.26	211	145	Vertical
4	9480.45	36.67	-38.15	38.55	-58.19	-13.00	45.19	266	129	Vertical
5	11376.54	31.68	-35.48	39.22	-59.84	-13.00	46.84	169	78	Vertical
6	13272.63	32.12	-35.12	39.76	-58.49	-13.00	45.49	214	278	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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