

Report No.: SEWM2303000098RG01

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Appendix B.9

LTE Band 26(824-849)



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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
Band26	1.4MHz	QPSK	26797	1RB#0	23.67	21.14	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#2	23.78	21.25	38.45	PASS
Band26	1.4MHz	QPSK	26797	1RB#5	23.53	21	38.45	PASS
Band26	1.4MHz	QPSK	26797	6RB#0	22.66	20.13	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#0	23.59	21.06	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#2	23.92	21.39	38.45	PASS
Band26	1.4MHz	QPSK	26915	1RB#5	23.58	21.05	38.45	PASS
Band26	1.4MHz	QPSK	26915	6RB#0	22.68	20.15	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#0	23.68	21.15	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#2	23.71	21.18	38.45	PASS
Band26	1.4MHz	QPSK	27033	1RB#5	23.46	20.93	38.45	PASS
Band26	1.4MHz	QPSK	27033	6RB#0	22.66	20.13	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#0	22.42	19.89	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#2	22.36	19.83	38.45	PASS
Band26	1.4MHz	16QAM	26797	1RB#5	22.3	19.77	38.45	PASS
Band26	1.4MHz	16QAM	26797	6RB#0	21.55	19.02	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#0	22.34	19.81	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#2	22.36	19.83	38.45	PASS
Band26	1.4MHz	16QAM	26915	1RB#5	22.48	19.95	38.45	PASS
Band26	1.4MHz	16QAM	26915	6RB#0	22.52	19.99	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#0	22.6	20.07	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#2	22.43	19.9	38.45	PASS
Band26	1.4MHz	16QAM	27033	1RB#5	22.4	19.87	38.45	PASS
Band26	1.4MHz	16QAM	27033	6RB#0	22.38	19.85	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#0	23.49	20.96	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#8	23.44	20.91	38.45	PASS
Band26	3MHz	QPSK	26805	1RB#14	23.44	20.91	38.45	PASS



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Band26	3MHz	QPSK	26805	15RB#0	22.71	20.18	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#0	23.69	21.16	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#8	23.47	20.94	38.45	PASS
Band26	3MHz	QPSK	26915	1RB#14	23.65	21.12	38.45	PASS
Band26	3MHz	QPSK	26915	15RB#0	22.69	20.16	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#0	23.93	21.4	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#8	23.72	21.19	38.45	PASS
Band26	3MHz	QPSK	27025	1RB#14	23.7	21.17	38.45	PASS
Band26	3MHz	QPSK	27025	15RB#0	23.65	21.12	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#0	22.26	19.73	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#8	22.11	19.58	38.45	PASS
Band26	3MHz	16QAM	26805	1RB#14	22.28	19.75	38.45	PASS
Band26	3MHz	16QAM	26805	15RB#0	22.19	19.66	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#0	22.2	19.67	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#8	22.25	19.72	38.45	PASS
Band26	3MHz	16QAM	26915	1RB#14	22.38	19.85	38.45	PASS
Band26	3MHz	16QAM	26915	15RB#0	22.29	19.76	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#0	22.28	19.75	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#8	22.41	19.88	38.45	PASS
Band26	3MHz	16QAM	27025	1RB#14	22.46	19.93	38.45	PASS
Band26	3MHz	16QAM	27025	15RB#0	21.73	19.2	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#0	23.38	20.85	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#12	23.46	20.93	38.45	PASS
Band26	5MHz	QPSK	26815	1RB#24	23.66	21.13	38.45	PASS
Band26	5MHz	QPSK	26815	25RB#0	22.7	20.17	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#0	23.76	21.23	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#12	23.69	21.16	38.45	PASS
Band26	5MHz	QPSK	26915	1RB#24	23.8	21.27	38.45	PASS
Band26	5MHz	QPSK	26915	25RB#0	22.83	20.3	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#0	23.62	21.09	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#12	24	21.47	38.45	PASS
Band26	5MHz	QPSK	27015	1RB#24	23.81	21.28	38.45	PASS



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Band26	5MHz	16QAM	26815	1RB#0	22.36	19.83	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#12	22.11	19.58	38.45	PASS
Band26	5MHz	16QAM	26815	1RB#24	22.22	19.69	38.45	PASS
Band26	5MHz	16QAM	26815	25RB#0	22.39	19.86	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#0	22.28	19.75	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#12	22.36	19.83	38.45	PASS
Band26	5MHz	16QAM	26915	1RB#24	22.43	19.9	38.45	PASS
Band26	5MHz	16QAM	26915	25RB#0	22.47	19.94	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#0	22.36	19.83	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#12	22.45	19.92	38.45	PASS
Band26	5MHz	16QAM	27015	1RB#24	22.35	19.82	38.45	PASS
Band26	5MHz	16QAM	27015	25RB#0	21.68	19.15	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#0	23.82	21.29	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#24	23.32	20.79	38.45	PASS
Band26	10MHz	QPSK	26840	1RB#49	23.55	21.02	38.45	PASS
Band26	10MHz	QPSK	26840	50RB#0	22.82	20.29	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#0	23.79	21.26	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#24	23.55	21.02	38.45	PASS
Band26	10MHz	QPSK	26915	1RB#49	23.71	21.18	38.45	PASS
Band26	10MHz	QPSK	26915	50RB#0	22.79	20.26	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#0	23.76	21.23	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#24	23.99	21.46	38.45	PASS
Band26	10MHz	QPSK	26990	1RB#49	23.73	21.2	38.45	PASS
Band26	10MHz	QPSK	26990	50RB#0	23.53	21	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#0	22.39	19.86	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#24	22.51	19.98	38.45	PASS
Band26	10MHz	16QAM	26840	1RB#49	22.37	19.84	38.45	PASS
Band26	10MHz	16QAM	26840	27RB#0	21.57	19.04	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#0	22.53	20	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#24	22.42	19.89	38.45	PASS
Band26	10MHz	16QAM	26915	1RB#49	22.45	19.92	38.45	PASS



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Band26	10MHz	16QAM	26915	27RB#0	21.66	19.13	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#0	21.36	18.83	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#24	22.16	19.63	38.45	PASS
Band26	10MHz	16QAM	26990	1RB#49	22.33	19.8	38.45	PASS
Band26	10MHz	16QAM	26990	27RB#0	21.41	18.88	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#0	23.75	21.22	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#38	23.52	20.99	38.45	PASS
Band26	15MHz	QPSK	26865	1RB#74	23.56	21.03	38.45	PASS
Band26	15MHz	QPSK	26865	75RB#0	22.84	20.31	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#0	23.64	21.11	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#38	23.32	20.79	38.45	PASS
Band26	15MHz	QPSK	26915	1RB#74	23.86	21.33	38.45	PASS
Band26	15MHz	QPSK	26915	75RB#0	22.67	20.14	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#0	23.57	21.04	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#38	23.63	21.1	38.45	PASS
Band26	15MHz	QPSK	26965	1RB#74	23.51	20.98	38.45	PASS
Band26	15MHz	QPSK	26965	75RB#0	22.75	20.22	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#0	22.74	20.21	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#38	22.88	20.35	38.45	PASS
Band26	15MHz	16QAM	26865	1RB#74	22.86	20.33	38.45	PASS
Band26	15MHz	16QAM	26865	27RB#0	21.47	18.94	38.45	PASS
Band26	15MHz	16QAM	26915	1RB#0	21.36	18.83	38.45	PASS



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Field Strength of Spurious Radiation**Test Band = LTE Band 26_15MHz_ 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	1649.68	57.51	-48.38	25.58	-60.56	-13.00	47.56	148	47	Horizontal
2	2474.52	63.52	-46.96	27.85	-50.85	-13.00	37.85	296	173	Horizontal
3	3299.36	43.09	-46.11	29.48	-68.80	-13.00	55.80	135	111	Horizontal
4	4124.2	42.55	-45.34	30.80	-67.25	-13.00	54.25	248	64	Horizontal
5	4949.04	42.93	-45.08	32.48	-64.93	-13.00	51.93	165	360	Horizontal
6	5773.88	41.73	-43.52	33.48	-63.58	-13.00	50.58	147	360	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	1649.68	67.13	-48.38	25.58	-50.94	-13.00	37.94	219	357	Vertical
2	2474.52	60.68	-46.96	27.85	-53.69	-13.00	40.69	273	155	Vertical
3	3299.36	44.24	-46.11	29.48	-67.65	-13.00	54.65	306	300	Vertical
4	4124.2	41.67	-45.34	30.80	-68.13	-13.00	55.13	186	0	Vertical
5	4949.04	43.18	-45.08	32.48	-64.68	-13.00	51.68	213	0	Vertical
6	5773.88	41.68	-43.52	33.48	-63.63	-13.00	50.63	157	203	Vertical



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Test Band = LTE Band 26 _15MHz _ 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	1659.5556	61.85	-48.35	25.57	-56.19	-13.00	43.19	294	92	Horizontal
2	2489.52	66.27	-46.83	27.88	-47.94	-13.00	34.94	181	186	Horizontal
3	3319.36	43.22	-46.14	29.47	-68.71	-13.00	55.71	153	123	Horizontal
4	4149.2	44.34	-45.26	30.84	-65.34	-13.00	52.34	237	123	Horizontal
5	4979.04	42.60	-45.04	32.55	-65.15	-13.00	52.15	148	313	Horizontal
6	5805.88	41.80	-43.49	33.58	-63.37	-13.00	50.37	266	328	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	1659.5556	68.37	-48.35	25.57	-49.67	-13.00	36.67	237	12	Vertical
2	2489.3333	63.86	-46.83	27.88	-50.35	-13.00	37.35	189	12	Vertical
3	3319.36	45.42	-46.14	29.47	-66.51	-13.00	53.51	291	295	Vertical
4	4149.2	42.83	-45.26	30.84	-66.85	-13.00	53.85	146	56	Vertical
5	4979.04	43.16	-45.04	32.55	-64.59	-13.00	51.59	235	1	Vertical
6	5805.88	42.27	-43.49	33.58	-62.90	-13.00	49.90	124	1	Vertical



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Test Band = LTE Band 26 _15MHz _ 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	2504.4444	65.74	-46.76	27.92	-48.37	-13.00	35.37	216	174	Horizontal
2	1669.68	63.06	-48.32	25.57	-54.96	-13.00	41.96	130	205	Horizontal
3	3339.36	44.04	-46.18	29.46	-67.93	-13.00	54.93	249	125	Horizontal
4	4174.2	42.25	-45.19	30.88	-67.32	-13.00	54.32	185	77	Horizontal
5	5009.04	43.42	-44.97	32.60	-64.21	-13.00	51.21	166	268	Horizontal
6	5843.88	42.80	-43.37	33.70	-62.13	-13.00	49.13	271	142	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	1669.7778	66.64	-48.32	25.57	-51.38	-13.00	38.38	172	14	Vertical
2	2504.4444	61.92	-46.76	27.92	-52.19	-13.00	39.19	186	28	Vertical
3	3339.36	45.14	-46.18	29.46	-66.83	-13.00	53.83	234	266	Vertical
4	4174.2	42.12	-45.19	30.88	-67.45	-13.00	54.45	275	123	Vertical
5	5009.04	43.76	-44.97	32.60	-63.87	-13.00	50.87	165	42	Vertical
6	5843.88	42.52	-43.37	33.70	-62.41	-13.00	49.41	129	282	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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