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Appendix B.9

LTE Band 26(824-849)



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Effective (Isotropic) Radiated Power Output Data

Test for Spot check the max BW power:

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band26	15MHz	QPSK	26865	1RB#0	22.70	19.87	38.5	PASS
Band26	15MHz	QPSK	26865	1RB#38	22.78	19.95	38.5	PASS
Band26	15MHz	QPSK	26865	1RB#74	22.88	20.05	38.5	PASS
Band26	15MHz	QPSK	26865	38RB#0	21.85	19.02	38.5	PASS
Band26	15MHz	QPSK	26865	38RB#18	21.89	19.06	38.5	PASS
Band26	15MHz	QPSK	26865	38RB#37	21.85	19.02	38.5	PASS
Band26	15MHz	QPSK	26865	75RB#0	21.86	19.03	38.5	PASS
Band26	15MHz	QPSK	26915	1RB#0	22.68	19.85	38.5	PASS
Band26	15MHz	QPSK	26915	1RB#38	22.99	20.16	38.5	PASS
Band26	15MHz	QPSK	26915	1RB#74	22.67	19.84	38.5	PASS
Band26	15MHz	QPSK	26915	38RB#0	21.96	19.13	38.5	PASS
Band26	15MHz	QPSK	26915	38RB#18	21.92	19.09	38.5	PASS
Band26	15MHz	QPSK	26915	38RB#37	21.98	19.15	38.5	PASS
Band26	15MHz	QPSK	26915	75RB#0	21.93	19.10	38.5	PASS
Band26	15MHz	QPSK	26965	1RB#0	22.80	19.97	38.5	PASS
Band26	15MHz	QPSK	26965	1RB#38	22.84	20.01	38.5	PASS
Band26	15MHz	QPSK	26965	1RB#74	22.94	20.11	38.5	PASS
Band26	15MHz	QPSK	26965	38RB#0	21.95	19.12	38.5	PASS
Band26	15MHz	QPSK	26965	38RB#18	21.85	19.02	38.5	PASS
Band26	15MHz	QPSK	26965	38RB#37	21.88	19.05	38.5	PASS
Band26	15MHz	QPSK	26965	75RB#0	21.90	19.07	38.5	PASS



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Field Strength of Spurious Radiation

Test for spot check:

Test Band = LTE Band 26 15M_ 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	1659.5	67.95	-48.35	25.57	-50.09	-13.00	37.09	164	19	Horizontal
2	2489.52	50.42	-46.83	27.88	-63.79	-13.00	50.79	257	184	Horizontal
3	3319.36	58.04	-46.14	29.47	-53.89	-13.00	40.89	183	155	Horizontal
4	4149.2	42.64	-45.26	30.84	-67.04	-13.00	54.04	262	357	Horizontal
5	4979.04	39.35	-45.04	32.55	-68.40	-13.00	55.40	154	110	Horizontal
6	5805.88	40.22	-43.49	33.58	-64.95	-13.00	51.95	198	184	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	1659.5	66.02	-48.35	25.57	-52.02	-13.00	39.02	241	296	Vertical
2	2489.52	46.73	-46.83	27.88	-67.48	-13.00	54.48	186	206	Vertical
3	3319.36	57.07	-46.14	29.47	-54.86	-13.00	41.86	159	296	Vertical
4	4149.2	44.66	-45.26	30.84	-65.02	-13.00	52.02	263	310	Vertical
5	4979.04	39.84	-45.04	32.55	-67.91	-13.00	54.91	151	88	Vertical
6	5805.88	40.45	-43.49	33.58	-64.72	-13.00	51.72	213	327	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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