

Appendix B.11

LTE Band 26(814-824)



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Transmitter Conducted Power Output

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Limit(dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	23.53	50.00	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	23.59	50.00	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	23.50	50.00	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	22.56	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	23.60	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	23.61	50.00	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	23.55	50.00	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	22.67	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	23.52	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	23.59	50.00	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	23.50	50.00	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	22.64	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	22.82	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	22.90	50.00	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	22.79	50.00	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	21.65	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	22.77	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	22.89	50.00	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	22.79	50.00	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	21.78	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	22.84	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	22.85	50.00	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	22.77	50.00	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	21.73	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#0	23.55	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#8	23.58	50.00	PASS
Band26	3MHz	QPSK	26705	1RB#14	23.56	50.00	PASS



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Band26	3MHz	QPSK	26705	15RB#0	22.66	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#0	23.59	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#8	23.66	50.00	PASS
Band26	3MHz	QPSK	26740	1RB#14	23.58	50.00	PASS
Band26	3MHz	QPSK	26740	15RB#0	22.75	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#0	23.62	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#8	23.62	50.00	PASS
Band26	3MHz	QPSK	26775	1RB#14	23.56	50.00	PASS
Band26	3MHz	QPSK	26775	15RB#0	22.70	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#0	22.87	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#8	22.94	50.00	PASS
Band26	3MHz	16QAM	26705	1RB#14	22.84	50.00	PASS
Band26	3MHz	16QAM	26705	15RB#0	21.70	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#0	22.82	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#8	22.91	50.00	PASS
Band26	3MHz	16QAM	26740	1RB#14	22.86	50.00	PASS
Band26	3MHz	16QAM	26740	15RB#0	21.76	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#0	22.85	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#8	22.87	50.00	PASS
Band26	3MHz	16QAM	26775	1RB#14	22.92	50.00	PASS
Band26	3MHz	16QAM	26775	15RB#0	21.78	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#0	23.57	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#12	23.56	50.00	PASS
Band26	5MHz	QPSK	26715	1RB#24	23.60	50.00	PASS
Band26	5MHz	QPSK	26715	25RB#0	22.76	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#0	23.57	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#12	23.64	50.00	PASS
Band26	5MHz	QPSK	26740	1RB#24	23.64	50.00	PASS
Band26	5MHz	QPSK	26740	25RB#0	22.75	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#0	23.64	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#12	23.65	50.00	PASS
Band26	5MHz	QPSK	26765	1RB#24	23.60	50.00	PASS
Band26	5MHz	QPSK	26765	25RB#0	22.72	50.00	PASS



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Band26	5MHz	16QAM	26715	1RB#0	22.93	50.00	PASS
Band26	5MHz	16QAM	26715	1RB#12	22.84	50.00	PASS
Band26	5MHz	16QAM	26715	1RB#24	22.96	50.00	PASS
Band26	5MHz	16QAM	26715	25RB#0	21.76	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#0	22.85	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#12	22.89	50.00	PASS
Band26	5MHz	16QAM	26740	1RB#24	22.90	50.00	PASS
Band26	5MHz	16QAM	26740	25RB#0	21.73	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#0	22.93	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#12	22.94	50.00	PASS
Band26	5MHz	16QAM	26765	1RB#24	22.83	50.00	PASS
Band26	5MHz	16QAM	26765	25RB#0	21.72	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#0	23.63	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#24	23.64	50.00	PASS
Band26	10MHz	QPSK	26740	1RB#49	23.59	50.00	PASS
Band26	10MHz	QPSK	26740	50RB#0	22.72	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#0	22.94	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#24	22.98	50.00	PASS
Band26	10MHz	16QAM	26740	1RB#49	22.75	50.00	PASS
Band26	10MHz	16QAM	26740	50RB#0	21.75	50.00	PASS



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Field Strength of Spurious Radiation

Test Band = LTE_26_TM1

Test Channel = 10MHz_MCH

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1629.1315	74.46	-53.07	25.86	-48.01	-13.00	35.01	204	202	Horizontal
2	2386.0693	53.73	-51.93	27.83	-65.63	-13.00	52.63	226	320	Horizontal
3	3285.6643	52.40	-49.77	30.67	-61.96	-13.00	48.96	332	84	Horizontal
4	5146.5073	51.34	-44.30	33.59	-54.63	-13.00	41.63	189	246	Horizontal
5	7373.2187	49.67	-42.67	36.85	-51.41	-13.00	38.41	148	94	Horizontal
6	9088.2544	48.89	-40.57	38.70	-48.24	-13.00	35.24	323	256	Horizontal

Final Data List										
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF [dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1629.1315	70.76	-53.07	25.86	-51.71	-13.00	38.71	289	347	Vertical
2	2534.5767	53.61	-50.99	28.21	-64.43	-13.00	51.43	364	7	Vertical
3	3296.9148	52.35	-49.73	30.69	-61.95	-13.00	48.95	149	305	Vertical
4	5137.9569	51.15	-44.25	33.58	-54.78	-13.00	41.78	221	23	Vertical
5	6951.9976	50.61	-43.96	36.40	-52.21	-13.00	39.21	345	7	Vertical
6	9077.9039	48.53	-40.44	38.70	-48.47	-13.00	35.47	287	47	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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