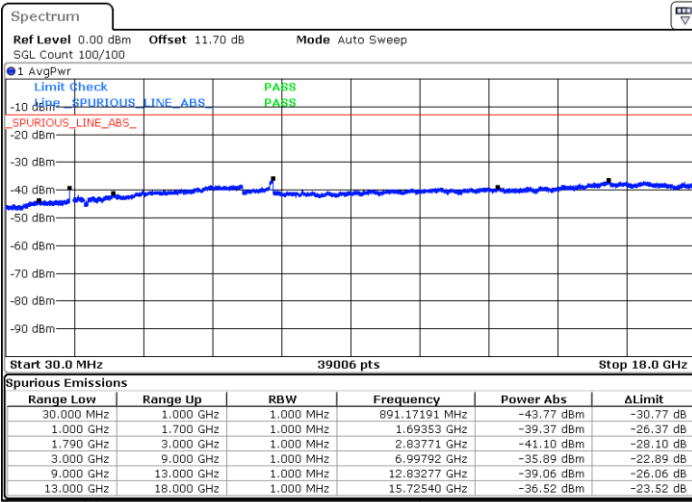




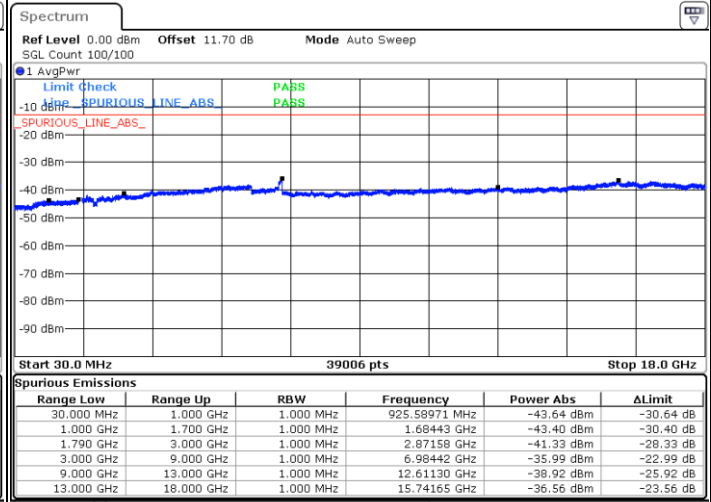
LTE Band 66 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

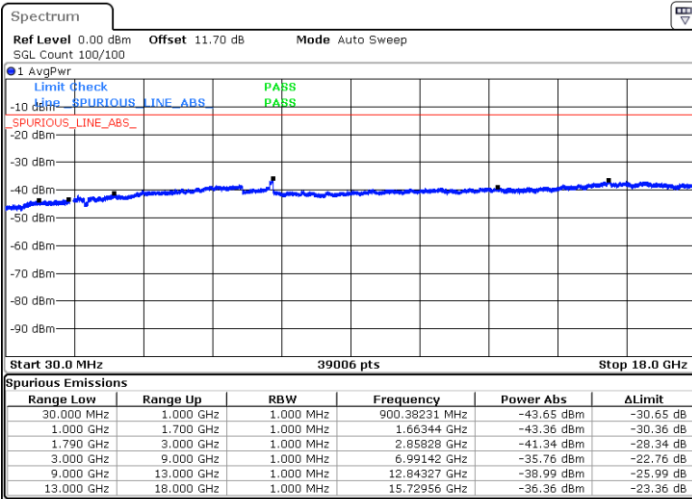


Date: 11.FEB.2020 07:11:15



Date: 11.FEB.2020 07:12:36

Highest Channel / 64QAM



Date: 11.FEB.2020 07:16:19



**Frequency Stability**

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of ERP/EIRP and Radiated Test

### ERP/EIRP

LTE Band 2 / 1.4MHz (Average) (GT - LC = 1.32 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	23.42	0.2198	24.74	0.2979
Middle		3	1	23.47	0.2223	24.79	0.3013
Highest		3	1	23.44	0.2208	24.76	0.2992
Lowest	16QAM	1	5	23.79	0.2393	25.11	0.3243
Middle		1	5	23.81	0.2404	25.13	0.3258
Highest		1	5	23.61	0.2296	24.93	0.3112
Lowest	64QAM	1	3	22.92	0.1959	24.24	0.2655
Middle		1	3	22.98	0.1986	24.30	0.2692
Highest		1	3	22.77	0.1892	24.09	0.2564
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 1.32 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	23.61	0.2296	24.93	0.3112
Middle		1	8	23.50	0.2239	24.82	0.3034
Highest		1	8	23.49	0.2234	24.81	0.3027
Lowest	16QAM	1	8	23.82	0.2410	25.14	0.3266
Middle		1	8	23.89	0.2449	25.21	0.3319
Highest		1	8	23.81	0.2404	25.13	0.3258
Lowest	64QAM	1	8	22.98	0.1986	24.30	0.2692
Middle		1	8	22.97	0.1982	24.29	0.2685
Highest		1	8	22.53	0.1791	23.85	0.2427
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 1.32 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	13	23.61	0.2296	24.93	0.3112
Middle		12	13	23.58	0.2280	24.90	0.3090
Highest		12	13	23.53	0.2254	24.85	0.3055
Lowest	16QAM	1	24	23.84	0.2421	25.16	0.3281
Middle		1	24	23.93	0.2472	25.25	0.3350
Highest		1	24	23.75	0.2371	25.07	0.3214
Lowest	64QAM	1	24	22.71	0.1866	24.03	0.2529
Middle		1	24	22.78	0.1897	24.10	0.2570
Highest		1	24	22.70	0.1862	24.02	0.2523
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 1.32 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	0	23.68	0.2333	25.00	0.3162
Middle		50	0	23.52	0.2249	24.84	0.3048
Highest		50	0	23.49	0.2234	24.81	0.3027
Lowest	16QAM	1	0	23.92	0.2466	25.24	0.3342
Middle		1	0	23.83	0.2415	25.15	0.3273
Highest		1	0	23.67	0.2328	24.99	0.3155
Lowest	64QAM	1	25	22.99	0.1991	24.31	0.2698
Middle		1	25	23.00	0.1995	24.32	0.2704
Highest		1	25	22.82	0.1914	24.14	0.2594
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 1.32 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	39	23.67	0.2328	24.99	0.3155
Middle		36	39	23.70	0.2344	25.02	0.3177
Highest		36	39	23.65	0.2317	24.97	0.3141
Lowest	16QAM	1	37	23.85	0.2427	25.17	0.3289
Middle		1	37	23.82	0.2410	25.14	0.3266
Highest		1	37	23.79	0.2393	25.11	0.3243
Lowest	64QAM	1	37	22.72	0.1871	24.04	0.2535
Middle		1	37	22.68	0.1854	24.00	0.2512
Highest		1	37	22.79	0.1901	24.11	0.2576
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 1.32 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	50	23.59	0.2286	24.91	0.3097
Middle		50	50	23.67	0.2328	24.99	0.3155
Highest		50	50	23.66	0.2323	24.98	0.3148
Lowest	16QAM	1	0	23.89	0.2449	25.21	0.3319
Middle		1	0	23.94	0.2477	25.26	0.3357
Highest		1	0	23.69	0.2339	25.01	0.3170
Lowest	64QAM	1	0	22.72	0.1871	24.04	0.2535
Middle		1	0	22.70	0.1862	24.02	0.2523
Highest		1	0	22.81	0.1910	24.13	0.2588
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 1.03 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	6	0	23.32	0.2148	24.35	0.2723
Middle		6	0	23.38	0.2178	24.41	0.2761
Highest		6	0	23.35	0.2163	24.38	0.2742
Lowest	16QAM	1	3	23.68	0.2333	24.71	0.2958
Middle		1	3	23.57	0.2275	24.60	0.2884
Highest		1	3	23.57	0.2275	24.60	0.2884
Lowest	64QAM	1	3	22.51	0.1782	23.54	0.2259
Middle		1	3	22.72	0.1871	23.75	0.2371
Highest		1	3	22.81	0.1910	23.84	0.2421
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 1.03 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	8	4	23.50	0.2239	24.53	0.2838
Middle		8	4	23.44	0.2208	24.47	0.2799
Highest		8	4	23.40	0.2188	24.43	0.2773
Lowest	16QAM	1	14	23.76	0.2377	24.79	0.3013
Middle		1	14	23.67	0.2328	24.70	0.2951
Highest		1	14	23.84	0.2421	24.87	0.3069
Lowest	64QAM	1	8	22.66	0.1845	23.69	0.2339
Middle		1	8	22.52	0.1786	23.55	0.2265
Highest		1	8	22.98	0.1986	24.01	0.2518
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 1.03 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	7	23.48	0.2228	24.51	0.2825
Middle		12	7	23.50	0.2239	24.53	0.2838
Highest		12	7	23.48	0.2228	24.51	0.2825
Lowest	16QAM	1	0	23.74	0.2366	24.77	0.2999
Middle		1	0	23.60	0.2291	24.63	0.2904
Highest		1	0	23.71	0.2350	24.74	0.2979
Lowest	64QAM	1	12	22.58	0.1811	23.61	0.2296
Middle		1	12	22.79	0.1901	23.82	0.2410
Highest		1	12	22.86	0.1932	23.89	0.2449
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 1.03 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	25	23.45	0.2213	24.48	0.2805
Middle		25	25	23.51	0.2244	24.54	0.2844
Highest		25	25	23.44	0.2208	24.47	0.2799
Lowest	16QAM	1	49	23.76	0.2377	24.79	0.3013
Middle		1	49	23.83	0.2415	24.86	0.3062
Highest		1	49	23.80	0.2399	24.83	0.3041
Lowest	64QAM	1	25	22.69	0.1858	23.72	0.2355
Middle		1	25	22.63	0.1832	23.66	0.2323
Highest		1	25	22.86	0.1932	23.89	0.2449
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 1.03 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	0	23.63	0.2307	24.66	0.2924
Middle		36	0	23.75	0.2371	24.78	0.3006
Highest		36	0	23.69	0.2339	24.72	0.2965
Lowest	16QAM	1	37	23.85	0.2427	24.88	0.3076
Middle		1	37	23.75	0.2371	24.78	0.3006
Highest		1	37	23.77	0.2382	24.80	0.3020
Lowest	64QAM	1	37	22.57	0.1807	23.60	0.2291
Middle		1	37	22.71	0.1866	23.74	0.2366
Highest		1	37	22.68	0.1854	23.71	0.2350
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 1.03 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	100	0	23.78	0.2388	24.81	0.3027
Middle		100	0	23.68	0.2333	24.71	0.2958
Highest		100	0	23.59	0.2286	24.62	0.2897
Lowest	16QAM	1	99	23.84	0.2421	24.87	0.3069
Middle		1	99	23.64	0.2312	24.67	0.2931
Highest		1	99	23.88	0.2443	24.91	0.3097
Lowest	64QAM	1	0	22.92	0.1959	23.95	0.2483
Middle		1	0	22.81	0.1910	23.84	0.2421
Highest		1	0	22.66	0.1845	23.69	0.2339
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = -1.33 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	6	0	23.06	0.2023	19.58	0.0908
Middle		6	0	23.08	0.2032	19.60	0.0912
Highest		6	0	22.92	0.1959	19.44	0.0879
Lowest	16QAM	1	3	23.36	0.2168	19.88	0.0973
Middle		1	3	23.44	0.2208	19.96	0.0991
Highest		1	3	23.24	0.2109	19.76	0.0946
Lowest	64QAM	1	3	22.87	0.1936	19.39	0.0869
Middle		1	3	22.99	0.1991	19.51	0.0893
Highest		1	3	22.77	0.1892	19.29	0.0849
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -1.33 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	8	0	23.16	0.2070	19.68	0.0929
Middle		8	0	23.08	0.2032	19.60	0.0912
Highest		8	0	23.07	0.2028	19.59	0.0910
Lowest	16QAM	1	0	23.39	0.2183	19.91	0.0979
Middle		1	0	23.28	0.2128	19.80	0.0955
Highest		1	0	23.44	0.2208	19.96	0.0991
Lowest	64QAM	1	8	22.97	0.1982	19.49	0.0889
Middle		1	8	22.93	0.1963	19.45	0.0881
Highest		1	8	22.74	0.1879	19.26	0.0843
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -1.33 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	12	7	23.19	0.2084	19.71	0.0935
Middle		12	7	23.09	0.2037	19.61	0.0914
Highest		12	7	22.99	0.1991	19.51	0.0893
Lowest	16QAM	1	24	23.26	0.2118	19.78	0.0951
Middle		1	24	23.40	0.2188	19.92	0.0982
Highest		1	24	23.11	0.2046	19.63	0.0918
Lowest	64QAM	1	24	22.90	0.1950	19.42	0.0875
Middle		1	24	22.97	0.1982	19.49	0.0889
Highest		1	24	22.98	0.1986	19.50	0.0891
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = -1.33 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	22.95	0.1972	19.47	0.0885
Middle		1	49	23.13	0.2056	19.65	0.0923
Highest		1	49	22.97	0.1982	19.49	0.0889
Lowest	16QAM	1	0	23.40	0.2188	19.92	0.0982
Middle		1	0	23.52	0.2249	20.04	0.1009
Highest		1	0	23.26	0.2118	19.78	0.0951
Lowest	64QAM	1	49	22.95	0.1972	19.47	0.0885
Middle		1	49	22.91	0.1954	19.43	0.0877
Highest		1	49	22.52	0.1786	19.04	0.0802
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = 2.55 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	23.29	0.2133	25.84	0.3837
Middle		1	24	23.47	0.2223	26.02	0.3999
Highest		1	24	23.42	0.2198	25.97	0.3954
Lowest	16QAM	1	24	23.47	0.2223	26.02	0.3999
Middle		1	24	23.66	0.2323	26.21	0.4178
Highest		1	24	23.32	0.2148	25.87	0.3864
Lowest	64QAM	1	12	22.44	0.1754	24.99	0.3155
Middle		1	12	22.55	0.1799	25.10	0.3236
Highest		1	12	22.45	0.1758	25.00	0.3162
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = 2.55 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	23.23	0.2104	25.78	0.3784
Middle		1	25	23.50	0.2239	26.05	0.4027
Highest		1	25	23.34	0.2158	25.89	0.3882
Lowest	16QAM	1	0	23.47	0.2223	26.02	0.3999
Middle		1	0	23.61	0.2296	26.16	0.4130
Highest		1	0	23.60	0.2291	26.15	0.4121
Lowest	64QAM	1	0	22.56	0.1803	25.11	0.3243
Middle		1	0	22.68	0.1854	25.23	0.3334
Highest		1	0	22.38	0.1730	24.93	0.3112
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = 2.55 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.41	0.2193	25.96	0.3945
Middle		1	0	23.65	0.2317	26.20	0.4169
Highest		1	0	23.73	0.2360	26.28	0.4246
Lowest	16QAM	1	0	23.50	0.2239	26.05	0.4027
Middle		1	0	23.86	0.2432	26.41	0.4375
Highest		1	0	23.74	0.2366	26.29	0.4256
Lowest	64QAM	1	37	22.52	0.1786	25.07	0.3214
Middle		1	37	22.68	0.1854	25.23	0.3334
Highest		1	37	22.45	0.1758	25.00	0.3162
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = 2.55 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.45	0.2213	26.00	0.3981
Middle		1	0	23.80	0.2399	26.35	0.4315
Highest		1	0	23.79	0.2393	26.34	0.4305
Lowest	16QAM	1	0	23.60	0.2291	26.15	0.4121
Middle		1	0	23.92	0.2466	26.47	0.4436
Highest		1	0	23.98	0.2500	26.53	0.4498
Lowest	64QAM	1	0	22.49	0.1774	25.04	0.3192
Middle		1	0	22.77	0.1892	25.32	0.3404
Highest		1	0	22.75	0.1884	25.30	0.3388
Limit	EIRP < 2W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = -2.82 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	6	0	23.05	0.2018	18.08	0.0643
Middle		6	0	22.79	0.1901	17.82	0.0605
Highest		6	0	22.92	0.1959	17.95	0.0624
Lowest	16QAM	1	3	23.32	0.2148	18.35	0.0684
Middle		1	3	23.35	0.2163	18.38	0.0689
Highest		1	3	23.22	0.2099	18.25	0.0668
Lowest	64QAM	1	3	22.56	0.1803	17.59	0.0574
Middle		1	3	22.92	0.1959	17.95	0.0624
Highest		1	3	22.82	0.1914	17.85	0.0610
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = -2.82 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	8	0	23.10	0.2042	18.13	0.0650
Middle		8	0	23.00	0.1995	18.03	0.0635
Highest		8	0	23.02	0.2004	18.05	0.0638
Lowest	16QAM	1	0	23.51	0.2244	18.54	0.0714
Middle		1	0	23.31	0.2143	18.34	0.0682
Highest		1	0	23.24	0.2109	18.27	0.0671
Lowest	64QAM	1	8	22.61	0.1824	17.64	0.0581
Middle		1	8	22.97	0.1982	18.00	0.0631
Highest		1	8	22.80	0.1905	17.83	0.0607
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = -2.82 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	12	0	23.14	0.2061	18.17	0.0656
Middle		12	0	23.07	0.2028	18.10	0.0646
Highest		12	0	22.99	0.1991	18.02	0.0634
Lowest	16QAM	1	12	23.22	0.2099	18.25	0.0668
Middle		1	12	23.33	0.2153	18.36	0.0685
Highest		1	12	23.21	0.2094	18.24	0.0667
Lowest	64QAM	1	24	22.89	0.1945	17.92	0.0619
Middle		1	24	22.99	0.1991	18.02	0.0634
Highest		1	24	22.83	0.1919	17.86	0.0611
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = -2.82 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	25	0	23.12	0.2051	18.15	0.0653
Middle		25	0	23.05	0.2018	18.08	0.0643
Highest		25	0	22.99	0.1991	18.02	0.0634
Lowest	16QAM	1	0	23.55	0.2265	18.58	0.0721
Middle		1	0	23.33	0.2153	18.36	0.0685
Highest		1	0	23.45	0.2213	18.48	0.0705
Lowest	64QAM	1	25	22.54	0.1795	17.57	0.0571
Middle		1	25	22.98	0.1986	18.01	0.0632
Highest		1	25	22.93	0.1963	17.96	0.0625
Limit	ERP < 3W			Result		PASS	



LTE Band 17 / 5MHz (Average) (GT - LC = -2.82 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	12	7	23.06	0.2023	18.09	0.0644
Middle		12	7	22.95	0.1972	17.98	0.0628
Highest		12	7	22.93	0.1963	17.96	0.0625
Lowest	16QAM	1	12	23.22	0.2099	18.25	0.0668
Middle		1	12	23.30	0.2138	18.33	0.0681
Highest		1	12	23.21	0.2094	18.24	0.0667
Lowest	64QAM	1	12	22.75	0.1884	17.78	0.0600
Middle		1	12	22.89	0.1945	17.92	0.0619
Highest		1	12	22.54	0.1795	17.57	0.0571
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average) (GT - LC = -2.82 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	25	12	23.07	0.2028	18.10	0.0646
Middle		25	12	22.97	0.1982	18.00	0.0631
Highest		25	12	22.93	0.1963	17.96	0.0625
Lowest	16QAM	1	0	23.25	0.2113	18.28	0.0673
Middle		1	0	23.15	0.2065	18.18	0.0658
Highest		1	0	23.39	0.2183	18.42	0.0695
Lowest	64QAM	1	25	22.91	0.1954	17.94	0.0622
Middle		1	25	22.80	0.1905	17.83	0.0607
Highest		1	25	22.85	0.1928	17.88	0.0614
Limit	ERP < 3W			Result		PASS	



LTE Band 41 / 5MHz (Average) (GT - LC = 3.02 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	7	23.42	0.2198	26.44	0.4406
Middle		12	7	23.37	0.2173	26.39	0.4355
Highest		12	7	23.13	0.2056	26.15	0.4121
Lowest	16QAM	1	24	23.52	0.2249	26.54	0.4508
Middle		1	24	23.43	0.2203	26.45	0.4416
Highest		1	24	23.04	0.2014	26.06	0.4036
Lowest	64QAM	1	0	22.83	0.1919	25.85	0.3846
Middle		1	0	22.68	0.1854	25.70	0.3715
Highest		1	0	22.72	0.1871	25.74	0.3750
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = 3.02 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	12	23.43	0.2203	26.45	0.4416
Middle		25	12	23.36	0.2168	26.38	0.4345
Highest		25	12	23.26	0.2118	26.28	0.4246
Lowest	16QAM	1	0	23.42	0.2198	26.44	0.4406
Middle		1	0	23.44	0.2208	26.46	0.4426
Highest		1	0	23.19	0.2084	26.21	0.4178
Lowest	64QAM	1	49	22.87	0.1936	25.89	0.3882
Middle		1	49	22.49	0.1774	25.51	0.3556
Highest		1	49	22.56	0.1803	25.58	0.3614
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = 3.02 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	20	23.62	0.2301	26.64	0.4613
Middle		36	20	23.55	0.2265	26.57	0.4539
Highest		36	20	23.49	0.2234	26.51	0.4477
Lowest	16QAM	1	0	23.60	0.2291	26.62	0.4592
Middle		1	0	23.59	0.2286	26.61	0.4581
Highest		1	0	23.29	0.2133	26.31	0.4276
Lowest	64QAM	1	0	22.93	0.1963	25.95	0.3936
Middle		1	0	22.78	0.1897	25.80	0.3802
Highest		1	0	22.60	0.1820	25.62	0.3648
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 20MHz (Average) (GT - LC = 3.02 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	0	23.65	0.2317	26.67	0.4645
Middle		50	0	23.51	0.2244	26.53	0.4498
Highest		50	0	23.35	0.2163	26.37	0.4335
Lowest	16QAM	1	0	23.60	0.2291	26.62	0.4592
Middle		1	0	23.71	0.2350	26.73	0.4710
Highest		1	0	23.28	0.2128	26.30	0.4266
Lowest	64QAM	1	0	22.91	0.1954	25.93	0.3917
Middle		1	0	22.91	0.1954	25.93	0.3917
Highest		1	0	22.55	0.1799	25.57	0.3606
Limit	EIRP < 2W			Result		PASS	



LTE Band 26 / 1.4MHz (Average) (GT - LC = -1.33 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	6	0	23.06	0.2023	19.58	0.0908
Middle		6	0	23.00	0.1995	19.52	0.0895
Highest		6	0	22.94	0.1968	19.46	0.0883
Lowest	16QAM	1	3	23.34	0.2158	19.86	0.0968
Middle		1	3	23.38	0.2178	19.90	0.0977
Highest		1	3	23.30	0.2138	19.82	0.0959
Lowest	64QAM	1	3	22.20	0.1660	18.72	0.0745
Middle		1	3	22.09	0.1618	18.61	0.0726
Highest		1	3	22.43	0.1750	18.95	0.0785
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 3MHz (Average) (GT - LC = -1.33 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.14	0.2061	19.66	0.0925
Middle		1	0	22.93	0.1963	19.45	0.0881
Highest		1	0	22.94	0.1968	19.46	0.0883
Lowest	16QAM	1	8	23.48	0.2228	20.00	0.1000
Middle		1	8	23.44	0.2208	19.96	0.0991
Highest		1	8	23.36	0.2168	19.88	0.0973
Lowest	64QAM	1	8	22.84	0.1923	19.36	0.0863
Middle		1	8	22.95	0.1972	19.47	0.0885
Highest		1	8	22.85	0.1928	19.37	0.0865
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 5MHz (Average) (GT - LC = -1.33 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	12	0	23.11	0.2046	19.63	0.0918
Middle		12	0	23.07	0.2028	19.59	0.0910
Highest		12	0	23.12	0.2051	19.64	0.0920
Lowest	16QAM	1	0	23.49	0.2234	20.01	0.1002
Middle		1	0	23.27	0.2123	19.79	0.0953
Highest		1	0	23.40	0.2188	19.92	0.0982
Lowest	64QAM	1	24	22.56	0.1803	19.08	0.0809
Middle		1	24	22.99	0.1991	19.51	0.0893
Highest		1	24	22.84	0.1923	19.36	0.0863
Limit	ERP < 7W			Result		PASS	



LTE Band 26 / 10MHz (Average) (GT - LC = -1.33 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	25	12	23.04	0.2014	19.56	0.0904
Middle		25	12	23.07	0.2028	19.59	0.0910
Highest		25	12	23.12	0.2051	19.64	0.0920
Lowest	16QAM	1	25	23.20	0.2089	19.72	0.0938
Middle		1	25	23.43	0.2203	19.95	0.0989
Highest		1	25	23.31	0.2143	19.83	0.0962
Lowest	64QAM	1	0	22.95	0.1972	19.47	0.0885
Middle		1	0	22.92	0.1959	19.44	0.0879
Highest		1	0	23.00	0.1995	19.52	0.0895
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 15MHz (Average) (GT - LC = -1.33 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	36	39	23.31	0.2143	19.83	0.0962
Middle		36	39	23.11	0.2046	19.63	0.0918
Highest		36	39	23.16	0.2070	19.68	0.0929
Lowest	16QAM	1	0	23.59	0.2286	20.11	0.1026
Middle		1	0	23.25	0.2113	19.77	0.0948
Highest		1	0	23.41	0.2193	19.93	0.0984
Lowest	64QAM	1	0	22.81	0.1910	19.33	0.0857
Middle		1	0	22.90	0.1950	19.42	0.0875
Highest		1	0	23.08	0.2032	19.60	0.0912
Limit	ERP < 7W			Result		PASS	



LTE Band 38 / 5MHz (Peak) (GT - LC = 2.94 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.26	0.2118	26.20	0.4169
Middle		1	0	23.25	0.2113	26.19	0.4159
Highest		1	0	23.30	0.2138	26.24	0.4207
Lowest	16QAM	1	0	23.21	0.2094	26.15	0.4121
Middle		1	0	23.14	0.2061	26.08	0.4055
Highest		1	0	23.22	0.2099	26.16	0.4130
Lowest	64QAM	1	0	21.84	0.1528	24.78	0.3006
Middle		1	0	21.74	0.1493	24.68	0.2938
Highest		1	0	21.83	0.1524	24.77	0.2999
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 10MHz (Peak) (GT - LC = 2.94 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.34	0.2158	26.28	0.4246
Middle		1	0	23.30	0.2138	26.24	0.4207
Highest		1	0	23.31	0.2143	26.25	0.4217
Lowest	16QAM	1	0	23.29	0.2133	26.23	0.4198
Middle		1	0	23.25	0.2113	26.19	0.4159
Highest		1	0	23.21	0.2094	26.15	0.4121
Lowest	64QAM	1	49	21.91	0.1552	24.85	0.3055
Middle		1	49	21.63	0.1455	24.57	0.2864
Highest		1	49	21.68	0.1472	24.62	0.2897
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 15MHz (Peak) (GT - LC = 2.94 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.42	0.2198	26.36	0.4325
Middle		1	0	23.41	0.2193	26.35	0.4315
Highest		1	0	23.38	0.2178	26.32	0.4285
Lowest	16QAM	1	0	23.41	0.2193	26.35	0.4315
Middle		1	0	23.39	0.2183	26.33	0.4295
Highest		1	0	23.33	0.2153	26.27	0.4236
Lowest	64QAM	1	37	21.91	0.1552	24.85	0.3055
Middle		1	37	21.91	0.1552	24.85	0.3055
Highest		1	37	22.24	0.1675	25.18	0.3296
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 20MHz (Peak) (GT - LC = 2.94 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.48	0.2228	26.42	0.4385
Middle		1	0	23.49	0.2234	26.43	0.4395
Highest		1	0	23.50	0.2239	26.44	0.4406
Lowest	16QAM	1	0	23.40	0.2188	26.34	0.4305
Middle		1	0	23.38	0.2178	26.32	0.4285
Highest		1	0	23.38	0.2178	26.32	0.4285
Lowest	64QAM	1	0	21.98	0.1578	24.92	0.3105
Middle		1	0	21.93	0.1560	24.87	0.3069
Highest		1	0	21.93	0.1560	24.87	0.3069
Limit	EIRP < 2W			Result		PASS	



LTE Band 66 / 1.4MHz (Average) (GT - LC = 1.03 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	6	0	23.45	0.2213	24.48	0.2805
Middle		6	0	23.39	0.2183	24.42	0.2767
Highest		6	0	23.45	0.2213	24.48	0.2805
Lowest	16QAM	1	3	23.70	0.2344	24.73	0.2972
Middle		1	3	23.77	0.2382	24.80	0.3020
Highest		1	3	23.77	0.2382	24.80	0.3020
Lowest	64QAM	1	3	22.93	0.1963	23.96	0.2489
Middle		1	3	22.98	0.1986	24.01	0.2518
Highest		1	3	22.83	0.1919	23.86	0.2432
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 3MHz (Average) (GT - LC = 1.03 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	15	0	23.54	0.2259	24.57	0.2864
Middle		15	0	23.45	0.2213	24.48	0.2805
Highest		15	0	23.51	0.2244	24.54	0.2844
Lowest	16QAM	1	8	23.80	0.2399	24.83	0.3041
Middle		1	8	23.90	0.2455	24.93	0.3112
Highest		1	8	23.86	0.2432	24.89	0.3083
Lowest	64QAM	1	8	22.85	0.1928	23.88	0.2443
Middle		1	8	22.87	0.1936	23.90	0.2455
Highest		1	8	22.94	0.1968	23.97	0.2495
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 5MHz (Average) (GT - LC = 1.03 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	7	23.54	0.2259	24.57	0.2864
Middle		12	7	23.49	0.2234	24.52	0.2831
Highest		12	7	23.49	0.2234	24.52	0.2831
Lowest	16QAM	1	24	23.71	0.2350	24.74	0.2979
Middle		1	24	23.82	0.2410	24.85	0.3055
Highest		1	24	23.74	0.2366	24.77	0.2999
Lowest	64QAM	1	24	22.96	0.1977	23.99	0.2506
Middle		1	24	22.89	0.1945	23.92	0.2466
Highest		1	24	22.95	0.1972	23.98	0.2500
Limit	EIRP < 1W			Result		PASS	



LTE Band 66 / 10MHz (Average) (GT - LC = 1.03 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	12	23.46	0.2218	24.49	0.2812
Middle		25	12	23.44	0.2208	24.47	0.2799
Highest		25	12	23.43	0.2203	24.46	0.2793
Lowest	16QAM	1	0	23.82	0.2410	24.85	0.3055
Middle		1	0	23.63	0.2307	24.66	0.2924
Highest		1	0	23.70	0.2344	24.73	0.2972
Lowest	64QAM	1	49	22.83	0.1919	23.86	0.2432
Middle		1	49	22.81	0.1910	23.84	0.2421
Highest		1	49	22.90	0.1950	23.93	0.2472
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 15MHz (Average) (GT - LC = 1.03 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	39	23.62	0.2301	24.65	0.2917
Middle		36	39	23.66	0.2323	24.69	0.2944
Highest		36	39	23.67	0.2328	24.70	0.2951
Lowest	16QAM	1	0	23.75	0.2371	24.78	0.3006
Middle		1	0	23.89	0.2449	24.92	0.3105
Highest		1	0	23.77	0.2382	24.80	0.3020
Lowest	64QAM	1	74	23.00	0.1995	24.03	0.2529
Middle		1	74	22.94	0.1968	23.97	0.2495
Highest		1	74	22.95	0.1972	23.98	0.2500
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 20MHz (Average) (GT - LC = 1.03 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	0	23.48	0.2228	24.51	0.2825
Middle		50	0	23.64	0.2312	24.67	0.2931
Highest		50	0	23.60	0.2291	24.63	0.2904
Lowest	16QAM	1	0	23.96	0.2489	24.99	0.3155
Middle		1	0	23.94	0.2477	24.97	0.3141
Highest		1	0	23.92	0.2466	24.95	0.3126
Lowest	64QAM	1	0	22.84	0.1923	23.87	0.2438
Middle		1	0	22.59	0.1816	23.62	0.2301
Highest		1	0	22.94	0.1968	23.97	0.2495
Limit	EIRP < 1W			Result		PASS	



LTE Band 7_CA / 20 + 20 MHz (GT - LC = 2.55 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	100	0	100	0	23.10	0.2042	25.65	0.3673
Middle		100	0	100	0	23.16	0.2070	25.71	0.3724
Highest		100	0	100	0	23.37	0.2173	25.92	0.3908
Lowest	16QAM	1	99	1	0	23.35	0.2163	25.90	0.3890
Middle		1	99	1	0	23.35	0.2163	25.90	0.3890
Highest		1	99	1	0	23.64	0.2312	26.19	0.4159
Lowest	64QAM	1	99	1	0	21.78	0.1507	24.33	0.2710
Middle		1	99	1	0	23.46	0.2218	26.01	0.3990
Highest		1	99	1	0	23.44	0.2208	25.99	0.3972
Limit	EIRP < 2W					Result		PASS	

LTE Band 7_CA / 20 + 15 MHz (GT - LC = 2.55 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	100	0	75	0	23.04	0.2014	25.59	0.3622
Middle		100	0	75	0	23.26	0.2118	25.81	0.3811
Highest		100	0	75	0	23.35	0.2163	25.90	0.3890
Lowest	16QAM	1	99	1	0	23.11	0.2046	25.66	0.3681
Middle		1	99	1	0	23.23	0.2104	25.78	0.3784
Highest		1	99	1	0	23.54	0.2259	26.09	0.4064
Lowest	64QAM	100	0	75	0	22.92	0.1959	25.47	0.3524
Middle		100	0	75	0	23.17	0.2075	25.72	0.3733
Highest		100	0	75	0	23.03	0.2009	25.58	0.3614
Limit	EIRP < 2W					Result		PASS	

LTE Band 7_CA / 15 + 20 MHz (GT - LC = 2.55 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	75	0	100	0	23.20	0.2089	25.75	0.3758
Middle		75	0	100	0	23.30	0.2138	25.85	0.3846
Highest		75	0	100	0	23.19	0.2084	25.74	0.3750
Lowest	16QAM	1	74	1	0	23.43	0.2203	25.98	0.3963
Middle		1	74	1	0	22.95	0.1972	25.50	0.3548
Highest		1	74	1	0	23.35	0.2163	25.90	0.3890
Lowest	64QAM	1	74	1	0	23.11	0.2046	25.66	0.3681
Middle		1	74	1	0	22.27	0.1687	24.82	0.3034
Highest		1	74	1	0	23.20	0.2089	25.75	0.3758
Limit	EIRP < 2W					Result		PASS	



LTE Band 7_CA / 20 + 10 MHz (GT - LC = 2.55 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	100	0	75	0	22.21	0.1663	24.76	0.2992
Middle		100	0	75	0	22.95	0.1972	25.50	0.3548
Highest		100	0	75	0	22.68	0.1854	25.23	0.3334
Lowest	16QAM	1	99	1	0	22.49	0.1774	25.04	0.3192
Middle		1	99	1	0	22.67	0.1849	25.22	0.3327
Highest		1	99	1	0	23.01	0.2000	25.56	0.3597
Lowest	64QAM	100	0	75	0	22.92	0.1959	25.47	0.3524
Middle		100	0	75	0	22.92	0.1959	25.47	0.3524
Highest		100	0	75	0	22.45	0.1758	25.00	0.3162
Limit	EIRP < 2W					Result		PASS	

LTE Band 7_CA / 10 + 20 MHz (GT - LC = 2.55 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	75	0	100	0	23.14	0.2061	25.69	0.3707
Middle		75	0	100	0	23.21	0.2094	25.76	0.3767
Highest		75	0	100	0	23.25	0.2113	25.80	0.3802
Lowest	16QAM	1	74	1	0	23.40	0.2188	25.95	0.3936
Middle		1	74	1	0	22.71	0.1866	25.26	0.3357
Highest		1	74	1	0	23.61	0.2296	26.16	0.4130
Lowest	64QAM	1	74	1	0	23.13	0.2056	25.68	0.3698
Middle		1	74	1	0	22.50	0.1778	25.05	0.3199
Highest		1	74	1	0	23.21	0.2094	25.76	0.3767
Limit	EIRP < 2W					Result		PASS	

LTE Band 7_CA / 15 + 15 MHz (GT - LC = 2.55 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	75	0	100	0	22.63	0.1832	25.18	0.3296
Middle		75	0	100	0	23.27	0.2123	25.82	0.3819
Highest		75	0	100	0	23.22	0.2099	25.77	0.3776
Lowest	16QAM	1	74	1	0	23.33	0.2153	25.88	0.3873
Middle		1	74	1	0	23.68	0.2333	26.23	0.4198
Highest		1	74	1	0	23.67	0.2328	26.22	0.4188
Lowest	64QAM	1	74	1	0	23.18	0.2080	25.73	0.3741
Highest		1	74	1	0	23.39	0.2183	25.94	0.3926
Limit	EIRP < 2W					Result		PASS	



LTE Band 7_CA / 15 + 10 MHz (GT - LC = 2.55 dB)									
Channel	Mode	PCC		SCC		Conducted		EIRP	
		RB		RB		Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
		Size	Offset	Size	Offset				
Lowest	QPSK	75	0	100	0	23.05	0.2018	25.60	0.3631
Middle		75	0	100	0	23.21	0.2094	25.76	0.3767
Highest		75	0	100	0	22.85	0.1928	25.40	0.3467
Lowest	16QAM	1	74	1	0	23.13	0.2056	25.68	0.3698
Middle		1	74	1	0	22.96	0.1977	25.51	0.3556
Highest		1	74	1	0	22.56	0.1803	25.11	0.3243
Lowest	64QAM	75	0	100	0	22.82	0.1914	25.37	0.3443
Middle		75	0	100	0	23.04	0.2014	25.59	0.3622
Highest		75	0	100	0	22.77	0.1892	25.32	0.3404
Limit	EIRP < 2W					Result		PASS	



Radiated Spurious Emission

LTE Band 2

LTE Band 2 / 20MHz / 16QAM									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3700	-52.05	-13	-39.05	-74.8	-63.26	1.41	12.62	H
	5555	-47.47	-13	-34.47	-75.18	-59.03	1.74	13.30	H
	7403	-44.50	-13	-31.50	-75.43	-53.82	1.94	11.26	H
									H
									H
									H
	3700	-51.65	-13	-38.65	-74.54	-62.86	1.41	12.62	V
	5555	-47.94	-13	-34.94	-75.18	-59.50	1.74	13.30	V
	7403	-44.89	-13	-31.89	-75.66	-54.21	1.94	11.26	V
									V
									V
									V
Middle	3742	-51.66	-13	-38.66	-74.56	-62.88	1.42	12.65	H
	5611	-47.36	-13	-34.36	-74.97	-58.92	1.74	13.30	H
	7487	-45.24	-13	-32.24	-75.74	-54.38	1.98	11.12	H
									H
									H
									H
	3742	-51.63	-13	-38.63	-74.73	-62.85	1.42	12.65	V
	5611	-47.91	-13	-34.91	-75.19	-59.47	1.74	13.30	V
	7487	-45.30	-13	-32.30	-75.75	-54.44	1.98	11.12	V
									V
									V
									V



Highest	3784	-51.61	-13	-38.61	-74.66	-61.82	2.02	3784	H
	5674	-47.67	-13	-34.67	-75.54	-58.00	2.11	5674	H
	7564	-45.54	-13	-32.54	-75.6	-53.66	2.11	7564	H
									H
									H
									H
									H
	3784	-52.17	-13	-39.17	-75.47	-62.38	2.02	12.23	V
	5674	-48.00	-13	-35.00	-75.37	-58.33	2.11	12.44	V
	7564	-45.59	-13	-32.59	-75.6	-53.71	2.11	10.23	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



### LTE Band 4

LTE Band 4 / 20MHz / 16QAM										
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)	
Lowest	3455	-53.83	-13	-40.83	-74.99	-64.87	1.35	12.39	H	
	5186	-39.46	-13	-26.46	-65.95	-50.66	1.66	12.86	H	
	6913	-44.16	-13	-31.16	-74.07	-54.45	1.73	12.02	H	
										H
										H
										H
										H
	3455	-50.09	-13	-37.09	-71.64	-61.13	1.35	12.39	V	
	5186	-43.63	-13	-30.63	-69.95	-54.83	1.66	12.86	V	
	6913	-44.94	-13	-31.94	-74.4	-55.23	1.73	12.02	V	
										V
										V
										V
										V
Middle	3483	-53.42	-13	-40.42	-74.86	-64.52	1.36	12.46	H	
	5224	-40.07	-13	-27.07	-66.66	-51.32	1.67	12.91	H	
	6965	-44.14	-13	-31.14	-74.28	-54.36	1.72	11.95	H	
										H
										H
										H
										H
	3483	-51.08	-13	-38.08	-72.89	-62.18	1.36	12.46	V	
	5224	-42.53	-13	-29.53	-68.93	-53.78	1.67	12.91	V	
	6965	-44.79	-13	-31.79	-74.45	-55.01	1.72	11.95	V	
										V
										V
										V
										V



Highest	3511	-53.38	-13	-40.38	-75.07	-64.52	1.36	12.51	H
	5261	-41.19	-13	-28.19	-67.9	-52.48	1.68	12.97	H
	7018	-45.56	-13	-32.56	-75.9	-55.70	1.73	11.87	H
									H
									H
									H
									H
	3511	-53.28	-13	-40.28	-75.29	-64.42	1.36	12.51	V
	5261	-42.25	-13	-29.25	-68.73	-53.54	1.68	12.97	V
	7018	-45.93	-13	-32.93	-75.79	-56.07	1.73	11.87	V
									V
									V
									V
									V

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



### LTE Band 5

LTE Band 5 / 10MHz / 16QAM									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-60.77	-13	-47.77	-74.25	-66.36	0.92	8.66	H
	2472	-48.82	-13	-35.82	-67.13	-56.19	1.14	10.66	H
	3296	-54.91	-13	-41.91	-75.07	-63.45	1.32	12.01	H
									H
									H
									H
									H
	1648	-61.33	-13	-48.33	-74.28	-66.92	0.92	8.66	V
	2472	-46.21	-13	-33.21	-64.67	-53.58	1.14	10.66	V
	3296	-54.36	-13	-41.36	-74.99	-62.90	1.32	12.01	V
									V
									V
									V
									V
Middle	1664	-60.94	-13	-47.94	-74.46	-66.59	0.93	8.72	H
	2496	-48.63	-13	-35.63	-66.97	-56.03	1.15	10.69	H
	3328	-54.96	-13	-41.96	-75.04	-63.57	1.33	12.09	H
									H
									H
									H
									H
	1664	-61.44	-13	-48.44	-74.37	-67.09	0.93	8.72	V
	2496	-45.87	-13	-32.87	-64.42	-53.27	1.15	10.69	V
	3328	-54.38	-13	-41.38	-74.92	-62.99	1.33	12.09	V
									V
									V
									V
									V
								V	



Highest	1680	-60.87	-13	-47.87	-74.44	-66.57	0.93	8.78	H
	2520	-48.05	-13	-35.05	-66.39	-55.47	1.15	10.72	H
	3360	-55.19	-13	-42.19	-75.2	-63.87	1.33	12.16	H
									H
									H
									H
									H
	1680	-61.50	-13	-48.50	-74.42	-67.20	0.93	8.78	V
	2520	-44.99	-13	-31.99	-63.5	-52.41	1.15	10.72	V
	3360	-54.57	-13	-41.57	-75.02	-63.25	1.33	12.16	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



### LTE Band 7

LTE Band 7 / 20MHz / 16QAM									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5004	-48.88	-25	-23.88	-75.29	-59.87	1.61	12.61	H
	7506	-45.47	-25	-20.47	-75.87	-54.58	1.99	11.10	H
	10008	-41.76	-25	-16.76	-75.08	-50.65	2.40	11.29	H
									H
									H
									H
									H
	5004	-49.36	-25	-24.36	-75.33	-60.35	1.61	12.61	V
	7506	-45.32	-25	-20.32	-75.69	-54.43	1.99	11.10	V
	10008	-41.52	-25	-16.52	-75.62	-50.41	2.40	11.29	V
									V
									V
									V
									V
Middle	5052	-48.94	-25	-23.94	-75.38	-59.99	1.62	12.67	H
	7578	-45.52	-25	-20.52	-75.49	-54.63	2.00	11.12	H
	10107	-41.73	-25	-16.73	-75.27	-50.55	2.40	11.21	H
									H
									H
									H
									H
	5052	-49.24	-25	-24.24	-75.31	-60.29	1.62	12.67	V
	7578	-45.54	-25	-20.54	-75.47	-54.65	2.00	11.12	V
	10107	-41.06	-25	-16.06	-75.17	-49.88	2.40	11.21	V
									V
									V
									V
									V



Highest	5100	-48.50	-25	-23.50	-74.95	-59.60	1.64	12.74	H
	7656	-45.79	-25	-20.79	-75.63	-54.91	2.01	11.13	H
	10206	-40.98	-25	-15.98	-74.74	-49.72	2.40	11.14	H
									H
									H
									H
									H
	5100	-49.08	-25	-24.08	-75.23	-60.18	1.64	12.74	V
	7656	-45.74	-25	-20.74	-75.46	-54.86	2.01	11.13	V
	10206	-40.95	-25	-15.95	-75.06	-49.69	2.40	11.14	V
									V
									V
									V
									V

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



### LTE Band 7 CA

LTE Band 7 / 20MHz / 16QAM									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5038	-48.97	-25	-23.97	-75.4	-60.00	1.62	12.65	H
	7557	-43.70	-25	-18.70	-73.79	-52.81	2.00	11.11	H
	10076	-40.74	-25	-15.74	-74.21	-49.58	2.40	11.24	H
									H
									H
									H
									H
	5038	-49.37	-25	-24.37	-75.4	-60.40	1.62	12.65	V
	7557	-44.07	-25	-19.07	-74.12	-53.18	2.00	11.11	V
	10076	-39.98	-25	-14.98	-74.09	-48.82	2.40	11.24	V
									V
									V
									V
									V
Middle	5068	-48.64	-25	-23.64	-75.09	-59.71	1.63	12.70	H
	7602	-44.33	-25	-19.33	-74.18	-53.45	2.00	11.12	H
	10136	-40.76	-25	-15.76	-74.37	-49.55	2.40	11.19	H
									H
									H
									H
									H
	5068	-49.26	-25	-24.26	-75.36	-60.33	1.63	12.70	V
	7602	-44.13	-25	-19.13	-73.93	-53.25	2.00	11.12	V
	10136	-39.43	-25	-14.43	-73.54	-48.22	2.40	11.19	V
									V
									V
									V
									V



Highest	5098	-49.28	-25	-24.28	-75.73	-60.38	1.64	12.74	H
	7647	-44.47	-25	-19.47	-74.3	-53.59	2.01	11.13	H
	10196	-40.31	-25	-15.31	-74.05	-49.06	2.40	11.14	H
									H
									H
									H
									H
	5098	-49.65	-25	-24.65	-75.79	-60.75	1.64	12.74	V
	7647	-44.78	-25	-19.78	-74.51	-53.90	2.01	11.13	V
	10196	-40.15	-25	-15.15	-74.26	-48.90	2.40	11.14	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



### LTE Band 12

LTE Band 12 / 10MHz / 16QAM									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1399	-59.14	-13	-46.14	-73.63	-63.78	0.84	7.64	H
	2098	-41.70	-13	-28.70	-59.31	-48.63	1.06	10.14	H
	2798	-55.80	-13	-42.80	-74.92	-63.49	1.22	11.06	H
									H
									H
									H
									H
	1399	-60.45	-13	-47.45	-73.72	-65.09	0.84	7.64	V
	2098	-47.56	-13	-34.56	-64.06	-54.49	1.06	10.14	V
	2798	-55.92	-13	-42.92	-74.98	-63.61	1.22	11.06	V
									V
									V
									V
									V
Middle	1406	-59.23	-13	-46.23	-73.70	-63.90	0.85	7.67	H
	2109	-43.11	-13	-30.11	-60.91	-50.05	1.06	10.15	H
	2812	-55.68	-13	-42.68	-74.86	-63.38	1.22	11.07	H
									H
									H
									H
									H
	1406	-60.40	-13	-47.40	-73.65	-65.07	0.85	7.67	V
	2109	-49.76	-13	-36.76	-66.45	-56.70	1.06	10.15	V
	2812	-55.80	-13	-42.80	-74.93	-63.50	1.22	11.07	V
									V
									V
									V
									V
								V	



Highest	1413	-59.52	-13	-46.52	-73.98	-64.22	0.85	7.70	H
	2119	-40.23	-13	-27.23	-58.21	-47.18	1.07	10.17	H
	2826	-55.50	-13	-42.50	-74.74	-63.21	1.23	11.09	H
									H
									H
									H
									H
	1413	-60.78	-13	-47.78	-74.02	-65.48	0.85	7.70	V
	2119	-44.92	-13	-31.92	-61.77	-51.87	1.07	10.17	V
	2826	-55.76	-13	-42.76	-74.96	-63.47	1.23	11.09	V
									V
									V
									V
									V

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



### LTE Band 17

LTE Band 17 / 10MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1409	-59.26	-13	-46.26	-73.72	-63.95	0.85	7.68	H
	2113	-48.02	-13	-35.02	-65.89	-54.96	1.06	10.16	H
	2818	-55.64	-13	-42.64	-74.84	-63.35	1.23	11.08	H
									H
									H
									H
									H
	1409	-60.25	-13	-47.25	-73.49	-64.94	0.85	7.68	V
	2113	-48.28	-13	-35.28	-65.03	-55.22	1.06	10.16	V
	2818	-55.53	-13	-42.53	-74.69	-63.24	1.23	11.08	V
									V
									V
									V
									V
Middle	1411	-59.00	-13	-46.00	-73.46	-63.69	0.85	7.69	H
	2116	-48.99	-13	-35.99	-66.92	-55.94	1.07	10.16	H
	2822	-55.37	-13	-42.37	-74.59	-63.08	1.23	11.09	H
									H
									H
									H
									H
	1411	-60.32	-13	-47.32	-73.56	-65.01	0.85	7.69	V
	2116	-49.02	-13	-36.02	-65.82	-55.97	1.07	10.16	V
	2822	-55.53	-13	-42.53	-74.71	-63.24	1.23	11.09	V
									V
									V
									V
									V



Highest	1413	-59.36	-13	-46.36	-73.82	-64.06	0.85	7.70	H
	2119	-48.25	-13	-35.25	-66.23	-55.20	1.07	10.17	H
	2826	-55.87	-13	-42.87	-75.11	-63.58	1.23	11.09	H
									H
									H
									H
									H
	1413	-60.43	-13	-47.43	-73.67	-65.13	0.85	7.70	V
	2119	-48.97	-13	-35.97	-65.82	-55.92	1.07	10.17	V
	2826	-55.23	-13	-42.23	-74.44	-62.94	1.23	11.09	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



### LTE Band 26

LTE Band 26 / 10MHz / QPSK										
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)	
Lowest	1649	-61.21	-13	-48.21	-74.69	-66.81	0.92	8.67	H	
	2474	-51.81	-13	-38.81	-70.12	-59.18	1.14	10.66	H	
	3300	-55.32	-13	-42.32	-75.47	-63.87	1.32	12.02	H	
										H
										H
										H
										H
	1649	-61.90	-13	-48.90	-74.85	-67.50	0.92	8.67	V	
	2474	-51.48	-13	-38.48	-69.94	-58.85	1.14	10.66	V	
	3300	-54.81	-13	-41.81	-75.42	-63.36	1.32	12.02	V	
										V
										V
										V
										V
Middle	1660	-61.30	-13	-48.30	-74.82	-66.93	0.92	8.71	H	
	2490	-51.28	-13	-38.28	-69.62	-58.67	1.15	10.69	H	
	3320	-55.44	-13	-42.44	-75.54	-64.03	1.33	12.07	H	
										H
										H
										H
										H
	1660	-61.88	-13	-48.88	-74.82	-67.51	0.92	8.71	V	
	2490	-51.88	-13	-38.88	-70.41	-59.27	1.15	10.69	V	
	3320	-54.92	-13	-41.92	-75.48	-63.51	1.33	12.07	V	
										V
										V
										V
										V



Highest	1669	-61.30	-13	-48.30	-74.85	-66.96	0.93	8.74	H
	2504	-43.75	-13	-30.75	-62.1	-51.15	1.15	10.70	H
	3339	-55.50	-13	-42.50	-75.55	-64.13	1.33	12.11	H
									H
									H
									H
									H
	1669	-61.95	-13	-48.95	-74.89	-67.61	0.93	8.74	V
	2504	-44.26	-13	-31.26	-62.82	-51.66	1.15	10.70	V
	3339	-55.07	-13	-42.07	-75.58	-63.70	1.33	12.11	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



**LTE Band 38**

LTE Band 38 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5142	-47.90	-25	-22.90	-74.37	-59.05	1.65	12.80	H
	7713	-43.23	-25	-18.23	-73.05	-52.35	2.02	11.14	H
	10284	-39.35	-25	-14.35	-73.28	-48.03	2.39	11.07	H
									H
									H
									H
									H
	5142	-47.97	-25	-22.97	-74.19	-59.12	1.65	12.80	V
	7713	-43.52	-25	-18.52	-73.15	-52.64	2.02	11.14	V
	10284	-39.08	-25	-14.08	-73.19	-47.76	2.39	11.07	V
									V
									V
									V
									V
Middle	5172	-48.31	-25	-23.31	-74.8	-59.50	1.65	12.84	H
	7758	-43.87	-25	-18.87	-73.68	-53.00	2.03	11.15	H
	10344	-38.87	-25	-13.87	-72.95	-47.50	2.39	11.02	H
									H
									H
									H
									H
	5172	-48.79	-25	-23.79	-75.08	-59.98	1.65	12.84	V
	7758	-44.00	-25	-19.00	-73.56	-53.13	2.03	11.15	V
	10344	-38.59	-25	-13.59	-72.72	-47.22	2.39	11.02	V
									V
									V
									V
									V



Highest	5202	-48.02	-25	-23.02	-74.53	-59.24	1.66	12.88	H
	7803	-43.53	-25	-18.53	-73.34	-52.66	2.03	11.16	H
	10404	-38.96	-25	-13.96	-73.18	-47.54	2.39	10.98	H
									H
									H
									H
									H
	5202	-48.09	-25	-23.09	-74.43	-59.31	1.66	12.88	V
	7803	-44.01	-25	-19.01	-73.52	-53.14	2.03	11.16	V
	10404	-38.71	-25	-13.71	-72.85	-47.29	2.39	10.98	V
									V
									V
									V
									V

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



### LTE Band 41

LTE Band 41 / 20MHz / 16QAM										
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)	
Lowest	4994	-48.83	-25	-23.83	-75.23	-59.82	1.61	12.60	H	
	7491	-42.78	-25	-17.78	-73.26	-51.91	1.99	11.11	H	
	9988	-40.57	-25	-15.57	-73.93	-49.48	2.40	11.30	H	
										H
										H
										H
										H
	4994	-49.03	-25	-24.03	-74.97	-60.02	1.61	12.60	V	
	7491	-43.19	-25	-18.19	-73.63	-52.32	1.99	11.11	V	
	9988	-39.80	-25	-14.80	-73.92	-48.71	2.40	11.30	V	
										V
										V
										V
										V
Middle	5168	-48.76	-25	-23.76	-75.25	-59.94	1.65	12.84	H	
	7752	-44.30	-25	-19.30	-74.11	-53.43	2.03	11.15	H	
	10336	-38.98	-25	-13.98	-73.04	-47.62	2.39	11.03	H	
										H
										H
										H
										H
	5168	-49.13	-25	-24.13	-75.41	-60.31	1.65	12.84	V	
	7752	-42.30	-25	-17.30	-71.87	-51.43	2.03	11.15	V	
	10336	-39.77	-25	-14.77	-73.9	-48.41	2.39	11.03	V	
										V
										V
										V
										V



Highest	5342	-48.44	-25	-23.44	-75.45	-59.82	1.70	13.08	H
	8013	-42.20	-25	-17.20	-73.3	-51.37	2.06	11.23	H
	10684	-38.90	-25	-13.90	-73.4	-47.31	2.49	10.90	H
									H
									H
									H
									H
	5342	-48.72	-25	-23.72	-75.38	-60.10	1.70	13.08	V
	8013	-42.23	-25	-17.23	-73.22	-51.40	2.06	11.23	V
	10684	-39.18	-25	-14.18	-73.43	-47.59	2.49	10.90	V
									V
									V
									V
									V

**Remark:** Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



### LTE Band 66

LTE Band 66 / 20MHz / 16QAM									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3422	-53.98	-13	-40.98	-74.82	-64.95	1.35	12.31	H
	5133	-48.07	-13	-35.07	-74.53	-59.21	1.64	12.79	H
	6844	-44.28	-13	-31.28	-73.88	-54.66	1.74	12.12	H
									H
									H
									H
									H
	3422	-53.35	-13	-40.35	-74.61	-64.32	1.35	12.31	V
	5133	-48.24	-13	-35.24	-74.45	-59.38	1.64	12.79	V
	6844	-44.81	-13	-31.81	-74.02	-55.19	1.74	12.12	V
									V
									V
									V
									V
Middle	3472	-53.34	-13	-40.34	-74.67	-64.42	1.35	12.43	H
	5208	-48.44	-13	-35.44	-74.97	-59.67	1.66	12.89	H
	6944	-43.94	-13	-30.94	-73.99	-54.19	1.73	11.98	H
									H
									H
									H
									H
	3472	-52.92	-13	-39.92	-74.63	-64.00	1.35	12.43	V
	5208	-48.43	-13	-35.43	-74.79	-59.66	1.66	12.89	V
	6944	-44.24	-13	-31.24	-73.83	-54.49	1.73	11.98	V
									V
									V
									V
									V



Highest	3522	-52.54	-13	-39.54	-74.33	-63.69	1.37	12.51	H
	5283	-48.75	-13	-35.75	-75.54	-60.06	1.68	13.00	H
	7044	-43.35	-13	-30.35	-73.77	-53.44	1.74	11.83	H
									H
									H
									H
									H
	3522	-52.67	-13	-39.67	-74.74	-63.82	1.37	12.51	V
	5283	-48.77	-13	-35.77	-75.29	-60.08	1.68	13.00	V
	7044	-43.88	-13	-30.88	-73.85	-53.97	1.74	11.83	V
									V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

————THE END————