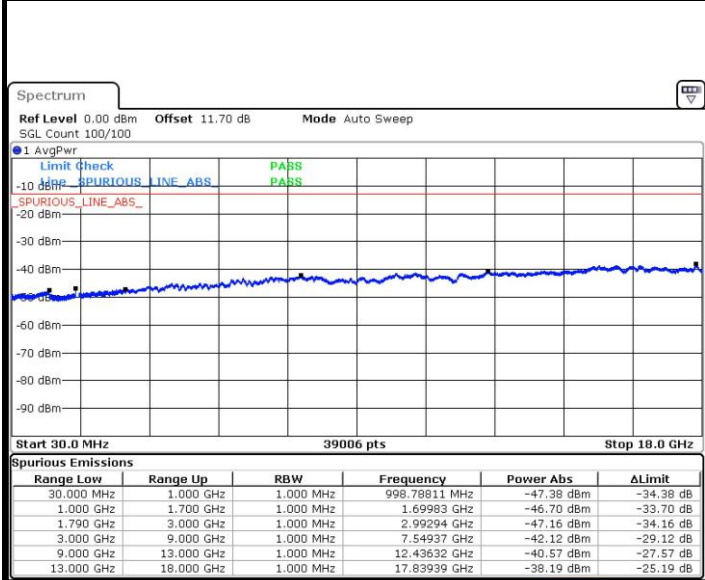




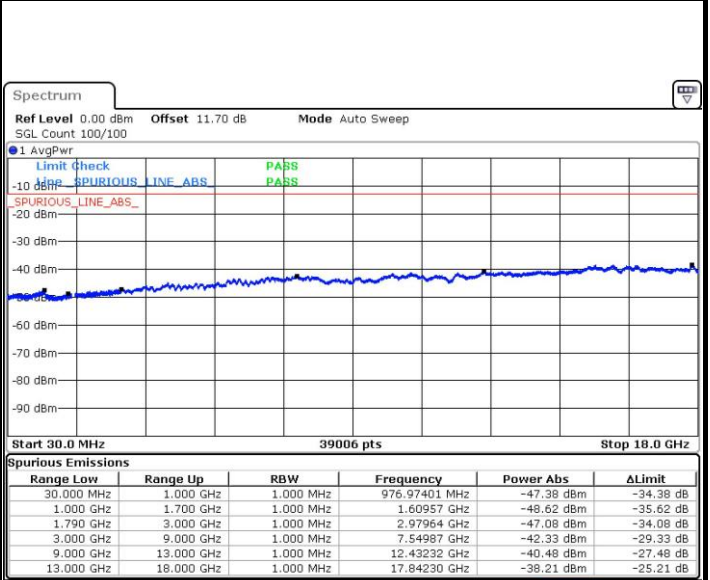
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



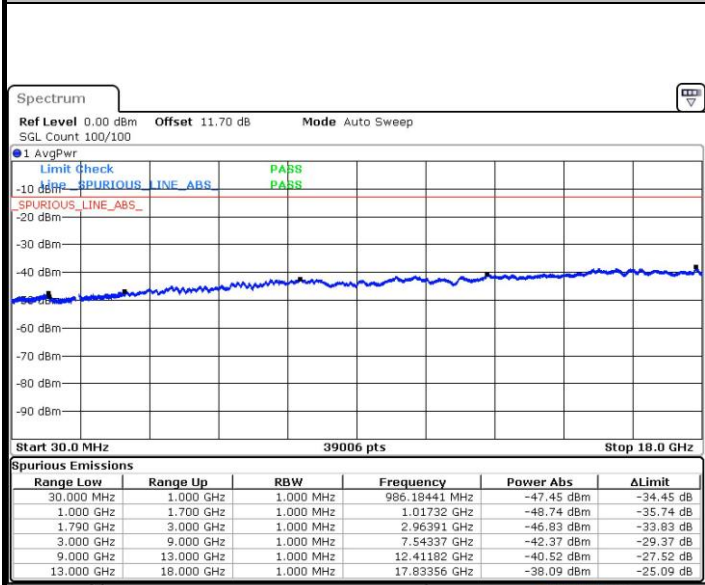
Date: 20 APR 2019 02:34:30

Middle Channel / 64QAM



Date: 20 APR 2019 02:35:37

Highest Channel / 64QAM



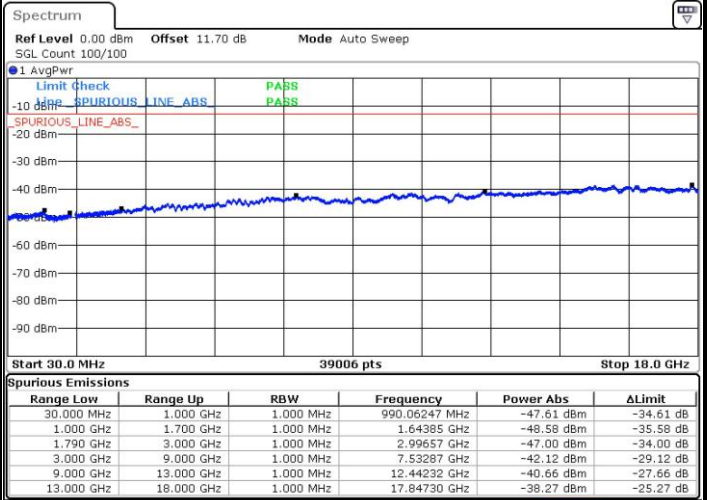
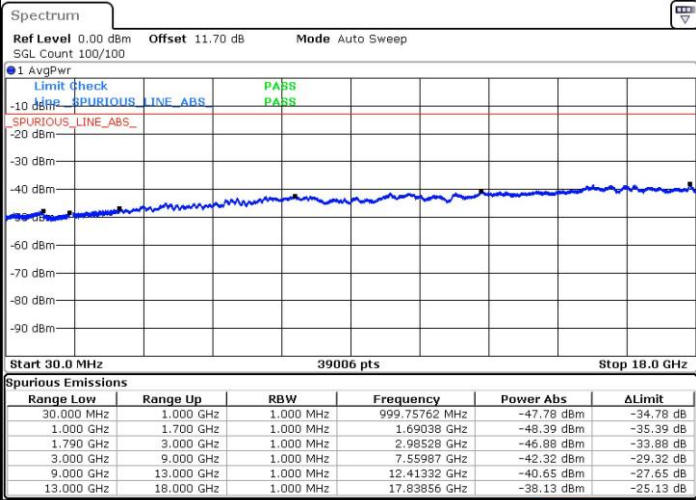
Date: 20 APR 2019 02:38:52



LTE Band 66 / 3MHz

Lowest Channel / 64QAM

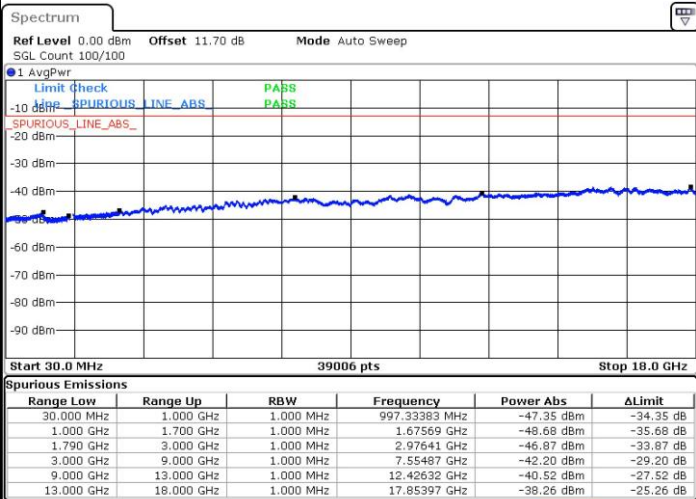
Middle Channel / 64QAM



Date: 20 APR 2019 02:56:53

Date: 20 APR 2019 02:57:59

Highest Channel / 64QAM

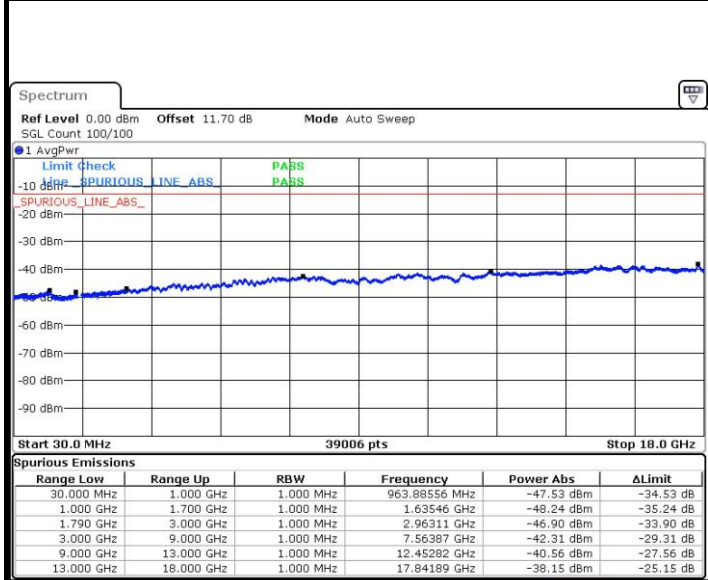


Date: 20 APR 2019 03:01:08



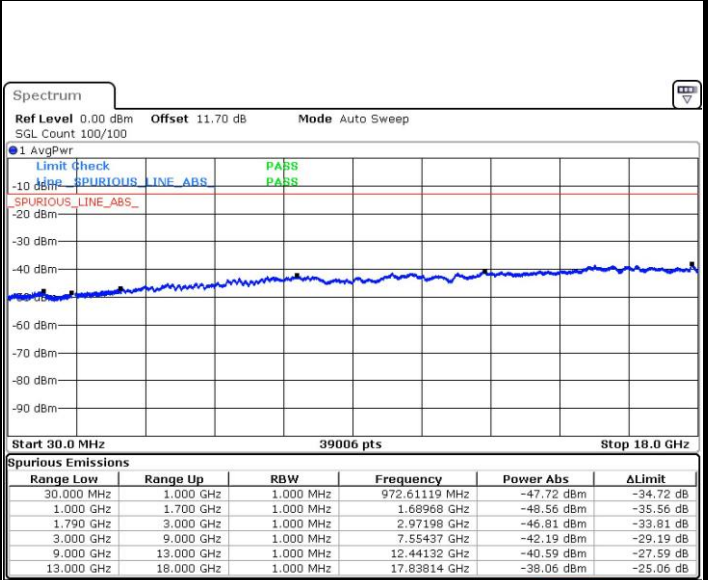
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



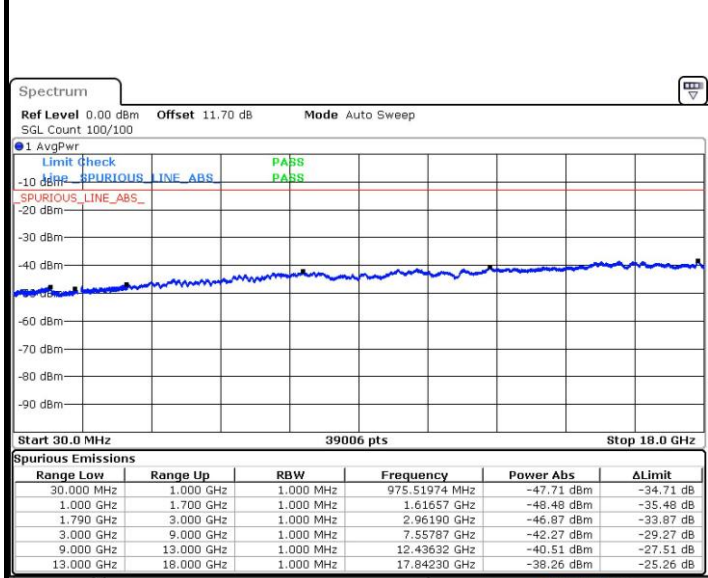
Date: 20 APR 2019 03:04:17

Middle Channel / 64QAM



Date: 20 APR 2019 03:05:25

Highest Channel / 64QAM



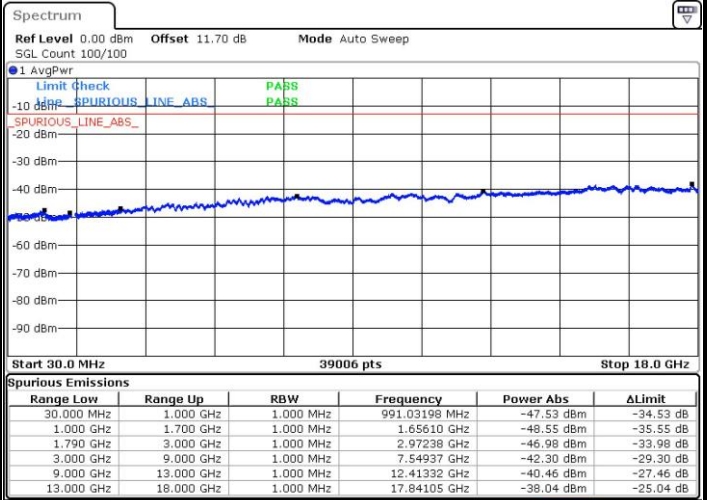
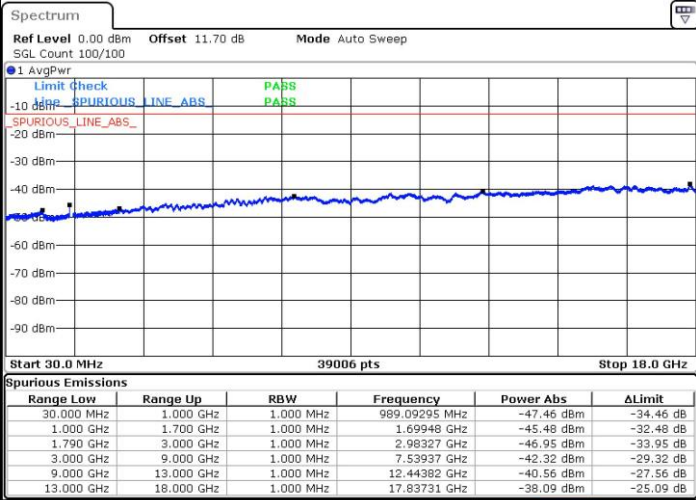
Date: 20 APR 2019 03:08:33



LTE Band 66 / 10MHz

Lowest Channel / 64QAM

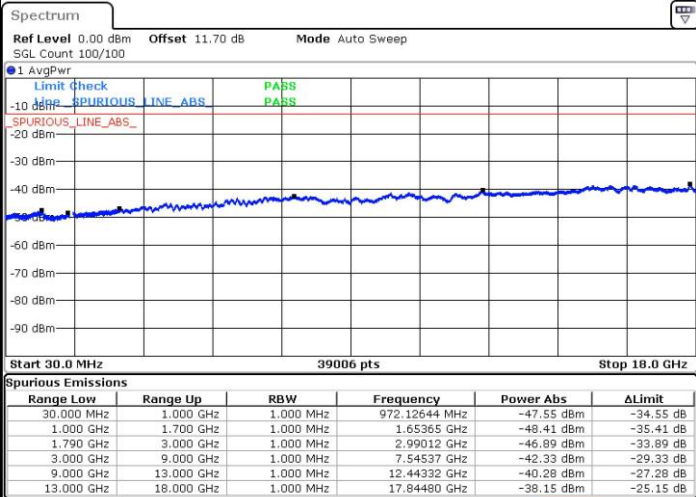
Middle Channel / 64QAM



Date: 20 APR 2019 03:41:25

Date: 20 APR 2019 03:42:32

Highest Channel / 64QAM



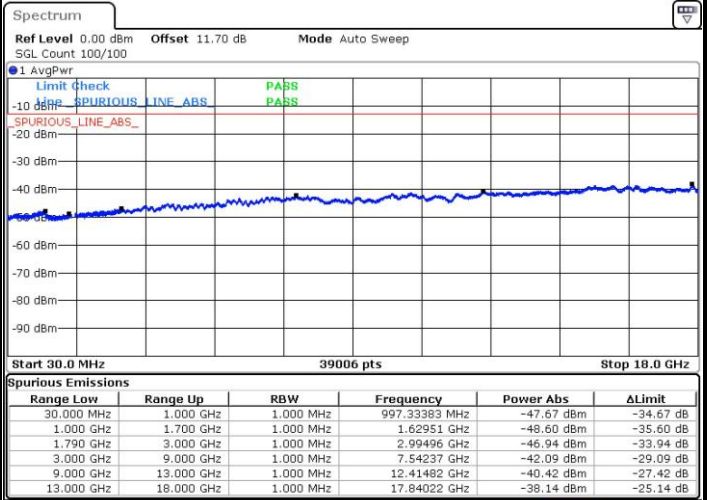
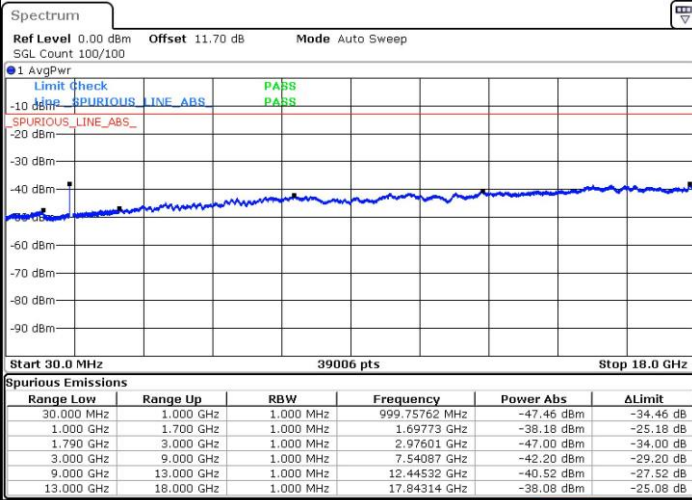
Date: 20 APR 2019 03:45:40



LTE Band 66 / 15MHz

Lowest Channel / 64QAM

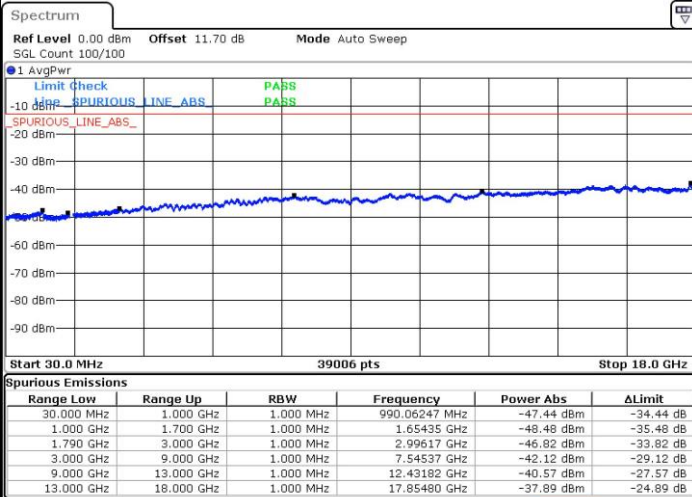
Middle Channel / 64QAM



Date: 20 APR 2019 03:48:50

Date: 20 APR 2019 03:49:57

Highest Channel / 64QAM



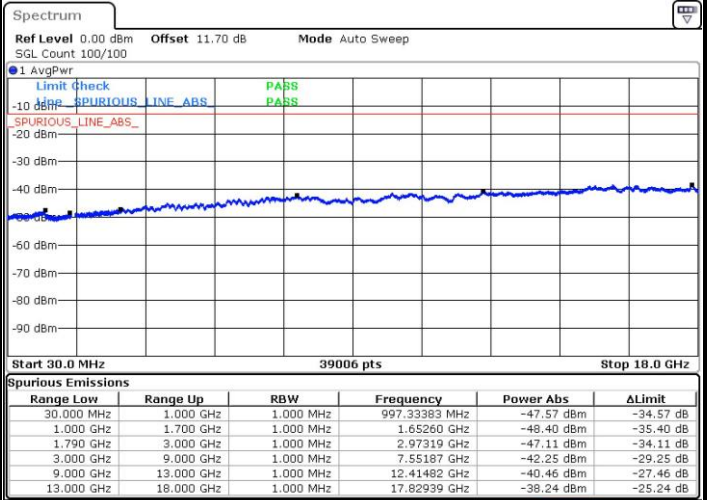
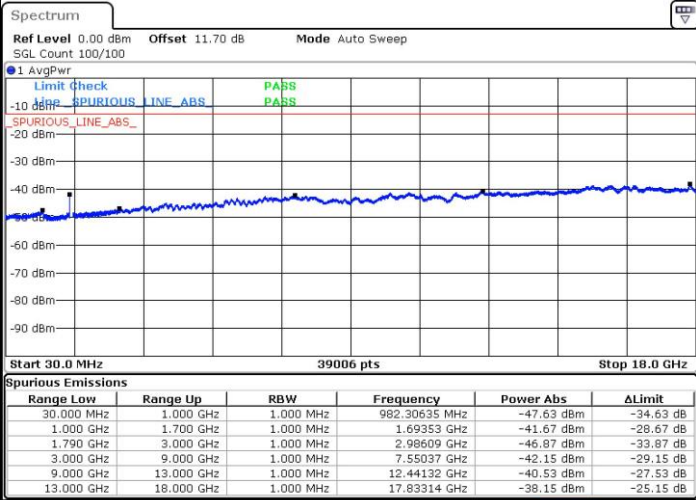
Date: 20 APR 2019 03:53:06



LTE Band 66 / 20MHz

Lowest Channel / 64QAM

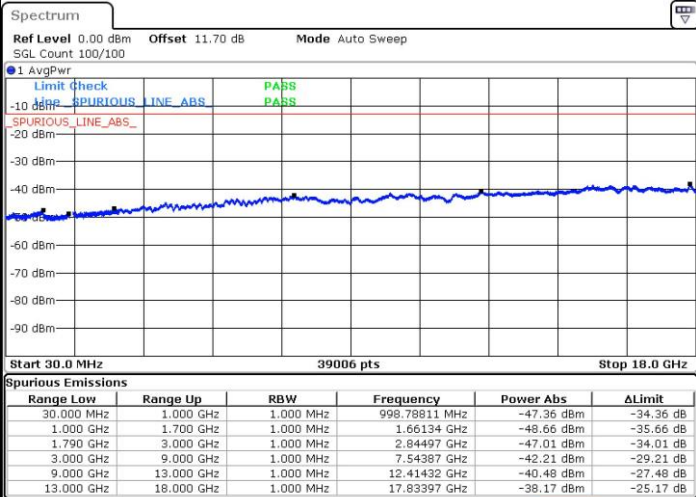
Middle Channel / 64QAM



Date: 20 APR 2019 04:25:59

Date: 20 APR 2019 04:27:06

Highest Channel / 64QAM



Date: 20 APR 2019 04:33:01



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	0.0079	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0099	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.65 V. ; Maximum Voltage =4.25 V.
2. Note: 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 = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	24.28	0.2679	19.68	0.0929
Middle		1	3	24.35	0.2723	19.75	0.0944
Highest		1	3	24.33	0.2710	19.73	0.0940
Lowest	16QAM	1	3	23.06	0.2023	18.46	0.0701
Middle		1	3	23.17	0.2075	18.57	0.0719
Highest		1	3	23.11	0.2046	18.51	0.0710
Lowest	64QAM	1	3	22.04	0.1600	17.44	0.0555
Middle		1	3	22.10	0.1622	17.50	0.0562
Highest		1	3	22.07	0.1611	17.47	0.0558
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	24.40	0.2754	19.80	0.0955
Middle		1	8	24.46	0.2793	19.86	0.0968
Highest		1	8	24.44	0.2780	19.84	0.0964
Lowest	16QAM	1	8	23.16	0.2070	18.56	0.0718
Middle		1	8	23.29	0.2133	18.69	0.0740
Highest		1	8	23.21	0.2094	18.61	0.0726
Lowest	64QAM	1	8	22.14	0.1637	17.54	0.0568
Middle		1	8	22.22	0.1667	17.62	0.0578
Highest		1	8	22.17	0.1648	17.57	0.0571
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	24.25	0.2661	19.65	0.0923
Middle		1	12	24.36	0.2729	19.76	0.0946
Highest		1	12	24.35	0.2723	19.75	0.0944
Lowest	16QAM	1	12	23.03	0.2009	18.43	0.0697
Middle		1	12	23.15	0.2065	18.55	0.0716
Highest		1	12	23.14	0.2061	18.54	0.0714
Lowest	64QAM	1	24	21.96	0.1570	17.36	0.0545
Middle		1	24	22.13	0.1633	17.53	0.0566
Highest		1	24	22.09	0.1618	17.49	0.0561
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	24.21	0.2636	19.61	0.0914
Middle		1	49	24.35	0.2723	19.75	0.0944
Highest		1	49	24.34	0.2716	19.74	0.0942
Lowest	16QAM	1	0	23.00	0.1995	18.40	0.0692
Middle		1	0	23.06	0.2023	18.46	0.0701
Highest		1	0	23.18	0.2080	18.58	0.0721
Lowest	64QAM	1	25	21.98	0.1578	17.38	0.0547
Middle		1	25	22.12	0.1629	17.52	0.0565
Highest		1	25	22.03	0.1596	17.43	0.0553
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.40	0.2754	19.80	0.0955
Middle		1	0	24.50	0.2818	19.90	0.0977
Highest		1	0	24.44	0.2780	19.84	0.0964
Lowest	16QAM	1	0	23.17	0.2075	18.57	0.0719
Middle		1	0	23.29	0.2133	18.69	0.0740
Highest		1	0	23.20	0.2089	18.60	0.0724
Lowest	64QAM	1	0	22.15	0.1641	17.55	0.0569
Middle		1	0	22.27	0.1687	17.67	0.0585
Highest		1	0	22.21	0.1663	17.61	0.0577
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.43	0.2773	19.83	0.0962
Middle		1	0	24.53	0.2838	19.93	0.0984
Highest		1	0	24.36	0.2729	19.76	0.0946
Lowest	16QAM	1	0	23.19	0.2084	18.59	0.0723
Middle		1	0	23.28	0.2128	18.68	0.0738
Highest		1	0	23.12	0.2051	18.52	0.0711
Lowest	64QAM	1	0	22.14	0.1637	17.54	0.0568
Middle		1	0	22.25	0.1679	17.65	0.0582
Highest		1	0	22.07	0.1611	17.47	0.0558
Limit	EIRP < 2W			Result		PASS	



LTE Band 25 / 1.4MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	24.33	0.2710	19.73	0.0940
Middle		1	3	24.43	0.2773	19.83	0.0962
Highest		1	3	24.16	0.2606	19.56	0.0904
Lowest	16QAM	1	3	23.15	0.2065	18.55	0.0716
Middle		1	3	23.22	0.2099	18.62	0.0728
Highest		1	3	22.87	0.1936	18.27	0.0671
Lowest	64QAM	1	3	22.17	0.1648	17.57	0.0571
Middle		1	3	22.26	0.1683	17.66	0.0583
Highest		1	3	21.93	0.1560	17.33	0.0541
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 3MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	24.31	0.2698	19.71	0.0935
Middle		1	8	24.47	0.2799	19.87	0.0971
Highest		1	8	24.23	0.2649	19.63	0.0918
Lowest	16QAM	1	8	23.15	0.2065	18.55	0.0716
Middle		1	8	23.28	0.2128	18.68	0.0738
Highest		1	8	22.98	0.1986	18.38	0.0689
Lowest	64QAM	1	8	22.22	0.1667	17.62	0.0578
Middle		1	8	22.38	0.1730	17.78	0.0600
Highest		1	8	22.09	0.1618	17.49	0.0561
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 5MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	24.36	0.2729	19.76	0.0946
Middle		1	24	24.49	0.2812	19.89	0.0975
Highest		1	24	24.20	0.2630	19.60	0.0912
Lowest	16QAM	1	24	23.12	0.2051	18.52	0.0711
Middle		1	24	23.27	0.2123	18.67	0.0736
Highest		1	24	22.93	0.1963	18.33	0.0681
Lowest	64QAM	1	24	22.19	0.1656	17.59	0.0574
Middle		1	24	22.31	0.1702	17.71	0.0590
Highest		1	24	21.98	0.1578	17.38	0.0547
Limit	EIRP < 2W			Result		PASS	



LTE Band 25 / 10MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	24.20	0.2630	19.60	0.0912
Middle		1	25	24.37	0.2735	19.77	0.0948
Highest		1	25	24.12	0.2582	19.52	0.0895
Lowest	16QAM	1	0	23.07	0.2028	18.47	0.0703
Middle		1	0	23.22	0.2099	18.62	0.0728
Highest		1	0	22.95	0.1972	18.35	0.0684
Lowest	64QAM	1	49	21.95	0.1567	17.35	0.0543
Middle		1	49	22.17	0.1648	17.57	0.0571
Highest		1	49	21.87	0.1538	17.27	0.0533
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 15MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.44	0.2780	19.84	0.0964
Middle		1	0	24.65	0.2917	20.05	0.1012
Highest		1	0	24.38	0.2742	19.78	0.0951
Lowest	16QAM	1	0	23.24	0.2109	18.64	0.0731
Middle		1	0	23.41	0.2193	18.81	0.0760
Highest		1	0	23.18	0.2080	18.58	0.0721
Lowest	64QAM	1	0	22.28	0.1690	17.68	0.0586
Middle		1	0	22.43	0.1750	17.83	0.0607
Highest		1	0	22.17	0.1648	17.57	0.0571
Limit	EIRP < 2W			Result		PASS	

LTE Band 25 / 20MHz (Average) (GT - LC = -4.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.62	0.2897	20.02	0.1005
Middle		1	0	24.66	0.2924	20.06	0.1014
Highest		1	0	24.41	0.2761	19.81	0.0957
Lowest	16QAM	1	0	23.39	0.2183	18.79	0.0757
Middle		1	0	23.44	0.2208	18.84	0.0766
Highest		1	0	23.18	0.2080	18.58	0.0721
Lowest	64QAM	1	0	22.37	0.1726	17.77	0.0598
Middle		1	0	22.40	0.1738	17.80	0.0603
Highest		1	0	22.14	0.1637	17.54	0.0568
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	24.38	0.2742	24.48	0.2805
Middle		1	3	24.43	0.2773	24.53	0.2838
Highest		1	3	24.45	0.2786	24.55	0.2851
Lowest	16QAM	1	3	23.17	0.2075	23.27	0.2123
Middle		1	3	23.22	0.2099	23.32	0.2148
Highest		1	3	23.22	0.2099	23.32	0.2148
Lowest	64QAM	1	3	22.16	0.1644	22.26	0.1683
Middle		1	3	22.20	0.1660	22.30	0.1698
Highest		1	3	22.24	0.1675	22.34	0.1714
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	24.49	0.2812	24.59	0.2877
Middle		1	8	24.50	0.2818	24.60	0.2884
Highest		1	8	24.48	0.2805	24.58	0.2871
Lowest	16QAM	1	8	23.25	0.2113	23.35	0.2163
Middle		1	8	23.34	0.2158	23.44	0.2208
Highest		1	8	23.32	0.2148	23.42	0.2198
Lowest	64QAM	1	8	22.23	0.1671	22.33	0.1710
Middle		1	8	22.30	0.1698	22.40	0.1738
Highest		1	8	22.36	0.1722	22.46	0.1762
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	24.47	0.2799	24.57	0.2864
Middle		1	12	24.46	0.2793	24.56	0.2858
Highest		1	12	24.48	0.2805	24.58	0.2871
Lowest	16QAM	1	12	23.26	0.2118	23.36	0.2168
Middle		1	12	23.30	0.2138	23.40	0.2188
Highest		1	12	23.27	0.2123	23.37	0.2173
Lowest	64QAM	1	12	22.23	0.1671	22.33	0.1710
Middle		1	12	22.22	0.1667	22.32	0.1706
Highest		1	12	22.22	0.1667	22.32	0.1706
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.44	0.2780	24.54	0.2844
Middle		1	0	24.42	0.2767	24.52	0.2831
Highest		1	0	24.38	0.2742	24.48	0.2805
Lowest	16QAM	1	25	23.21	0.2094	23.31	0.2143
Middle		1	25	23.23	0.2104	23.33	0.2153
Highest		1	25	23.19	0.2084	23.29	0.2133
Lowest	64QAM	1	0	22.15	0.1641	22.25	0.1679
Middle		1	0	22.18	0.1652	22.28	0.1690
Highest		1	0	22.19	0.1656	22.29	0.1694
Limit	EIRP < 1W		Result		PASS		

LTE Band 4 / 15MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.46	0.2793	24.56	0.2858
Middle		1	0	24.51	0.2825	24.61	0.2891
Highest		1	0	24.52	0.2831	24.62	0.2897
Lowest	16QAM	1	0	23.23	0.2104	23.33	0.2153
Middle		1	0	23.31	0.2143	23.41	0.2193
Highest		1	0	23.35	0.2163	23.45	0.2213
Lowest	64QAM	1	0	22.19	0.1656	22.29	0.1694
Middle		1	0	22.32	0.1706	22.42	0.1746
Highest		1	0	22.33	0.1710	22.43	0.1750
Limit	EIRP < 1W		Result		PASS		

LTE Band 4 / 20MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	24.53	0.2838	24.63	0.2904
Middle		1	49	24.48	0.2805	24.58	0.2871
Highest		1	49	24.44	0.2780	24.54	0.2844
Lowest	16QAM	1	0	23.29	0.2133	23.39	0.2183
Middle		1	0	23.30	0.2138	23.40	0.2188
Highest		1	0	23.33	0.2153	23.43	0.2203
Lowest	64QAM	1	0	22.25	0.1679	22.35	0.1718
Middle		1	0	22.30	0.1698	22.40	0.1738
Highest		1	0	22.33	0.1710	22.43	0.1750
Limit	EIRP < 1W		Result		PASS		



LTE Band 5 / 1.4MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	23.90	0.2455	18.85	0.0767
Middle		3	1	23.75	0.2371	18.70	0.0741
Highest		3	1	23.72	0.2355	18.67	0.0736
Lowest	16QAM	1	3	22.74	0.1879	17.69	0.0587
Middle		1	3	22.60	0.1820	17.55	0.0569
Highest		1	3	22.52	0.1786	17.47	0.0558
Lowest	64QAM	1	3	21.62	0.1452	16.57	0.0454
Middle		1	3	21.61	0.1449	16.56	0.0453
Highest		1	3	21.46	0.1400	16.41	0.0438
Limit	ERP < 7W		Result		PASS		

LTE Band 5 / 3MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	23.90	0.2455	18.85	0.0767
Middle		1	8	23.79	0.2393	18.74	0.0748
Highest		1	8	23.90	0.2455	18.85	0.0767
Lowest	16QAM	1	8	22.70	0.1862	17.65	0.0582
Middle		1	8	22.64	0.1837	17.59	0.0574
Highest		1	8	22.67	0.1849	17.62	0.0578
Lowest	64QAM	1	8	21.74	0.1493	16.69	0.0467
Middle		1	8	21.65	0.1462	16.60	0.0457
Highest		1	8	21.64	0.1459	16.59	0.0456
Limit	ERP < 7W		Result		PASS		

LTE Band 5 / 5MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.79	0.2393	18.74	0.0748
Middle		1	12	23.74	0.2366	18.69	0.0740
Highest		1	12	23.85	0.2427	18.80	0.0759
Lowest	16QAM	1	12	22.61	0.1824	17.56	0.0570
Middle		1	12	22.62	0.1828	17.57	0.0571
Highest		1	12	22.64	0.1837	17.59	0.0574
Lowest	64QAM	1	12	21.69	0.1476	16.64	0.0461
Middle		1	12	21.62	0.1452	16.57	0.0454
Highest		1	12	21.60	0.1445	16.55	0.0452
Limit	ERP < 7W		Result		PASS		



LTE Band 5 / 10MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.90	0.2455	18.85	0.0767
Middle		1	0	23.91	0.2460	18.86	0.0769
Highest		1	0	23.79	0.2393	18.74	0.0748
Lowest	16QAM	1	0	22.63	0.1832	17.58	0.0573
Middle		1	0	22.67	0.1849	17.62	0.0578
Highest		1	0	22.57	0.1807	17.52	0.0565
Lowest	64QAM	1	0	21.69	0.1476	16.64	0.0461
Middle		1	0	21.67	0.1469	16.62	0.0459
Highest		1	0	21.59	0.1442	16.54	0.0451
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = -1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	7	22.08	0.1614	20.98	0.1253
Middle		12	7	21.94	0.1563	20.84	0.1213
Highest		12	7	22.00	0.1585	20.90	0.1230
Lowest	16QAM	1	24	21.72	0.1486	20.62	0.1153
Middle		1	24	21.59	0.1442	20.49	0.1119
Highest		1	24	21.65	0.1462	20.55	0.1135
Lowest	64QAM	1	24	21.70	0.1479	20.60	0.1148
Middle		1	24	21.58	0.1439	20.48	0.1117
Highest		1	24	21.65	0.1462	20.55	0.1135
Limit	EIRP < 2W		Result		PASS		

LTE Band 7 / 10MHz (Average) (GT - LC = -1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	12	21.99	0.1581	20.89	0.1227
Middle		25	12	21.91	0.1552	20.81	0.1205
Highest		25	12	21.89	0.1545	20.79	0.1199
Lowest	16QAM	1	49	21.64	0.1459	20.54	0.1132
Middle		1	49	21.62	0.1452	20.52	0.1127
Highest		1	49	21.64	0.1459	20.54	0.1132
Lowest	64QAM	1	49	21.67	0.1469	20.57	0.1140
Middle		1	49	21.58	0.1439	20.48	0.1117
Highest		1	49	21.62	0.1452	20.52	0.1127
Limit	EIRP < 2W		Result		PASS		

LTE Band 7 / 15MHz (Average) (GT - LC = -1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	39	22.20	0.1660	21.10	0.1288
Middle		36	39	22.06	0.1607	20.96	0.1247
Highest		36	39	22.05	0.1603	20.95	0.1245
Lowest	16QAM	1	74	21.83	0.1524	20.73	0.1183
Middle		1	74	21.78	0.1507	20.68	0.1169
Highest		1	74	21.80	0.1514	20.70	0.1175
Lowest	64QAM	1	74	21.83	0.1524	20.73	0.1183
Middle		1	74	21.72	0.1486	20.62	0.1153
Highest		1	74	21.75	0.1496	20.65	0.1161
Limit	EIRP < 2W		Result		PASS		



LTE Band 7 / 20MHz (Average) (GT - LC = -1.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	50	22.23	0.1671	21.13	0.1297
Middle		50	50	22.08	0.1614	20.98	0.1253
Highest		50	50	22.05	0.1603	20.95	0.1245
Lowest	16QAM	1	99	21.90	0.1549	20.80	0.1202
Middle		1	99	21.76	0.1500	20.66	0.1164
Highest		1	99	21.79	0.1510	20.69	0.1172
Lowest	64QAM	1	99	21.85	0.1531	20.75	0.1189
Middle		1	99	21.79	0.1510	20.69	0.1172
Highest		1	99	21.73	0.1489	20.63	0.1156
Limit	EIRP < 2W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	23.86	0.2432	19.11	0.0815
Middle		3	1	23.82	0.2410	19.07	0.0807
Highest		3	1	23.72	0.2355	18.97	0.0789
Lowest	16QAM	1	3	22.61	0.1824	17.86	0.0611
Middle		1	3	22.58	0.1811	17.83	0.0607
Highest		1	3	22.49	0.1774	17.74	0.0594
Lowest	64QAM	3	1	21.58	0.1439	16.83	0.0482
Middle		3	1	21.49	0.1409	16.74	0.0472
Highest		3	1	21.43	0.1390	16.68	0.0466
Limit	ERP < 3W		Result		PASS		

LTE Band 12 / 3MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.87	0.2438	19.12	0.0817
Middle		1	0	23.69	0.2339	18.94	0.0783
Highest		1	0	23.68	0.2333	18.93	0.0782
Lowest	16QAM	1	8	22.73	0.1875	17.98	0.0628
Middle		1	8	22.69	0.1858	17.94	0.0622
Highest		1	8	22.63	0.1832	17.88	0.0614
Lowest	64QAM	1	8	21.71	0.1483	16.96	0.0497
Middle		1	8	21.67	0.1469	16.92	0.0492
Highest		1	8	21.62	0.1452	16.87	0.0486
Limit	ERP < 3W		Result		PASS		

LTE Band 12 / 5MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	23.82	0.2410	19.07	0.0807
Middle		1	24	23.78	0.2388	19.03	0.0800
Highest		1	24	23.71	0.2350	18.96	0.0787
Lowest	16QAM	1	24	22.65	0.1841	17.90	0.0617
Middle		1	24	22.60	0.1820	17.85	0.0610
Highest		1	24	22.48	0.1770	17.73	0.0593
Lowest	64QAM	1	12	21.53	0.1422	16.78	0.0476
Middle		1	12	21.64	0.1459	16.89	0.0489
Highest		1	12	21.55	0.1429	16.80	0.0479
Limit	ERP < 3W		Result		PASS		



LTE Band 12 / 10MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.91	0.2460	19.16	0.0824
Middle		1	0	23.73	0.2360	18.98	0.0791
Highest		1	0	23.67	0.2328	18.92	0.0780
Lowest	16QAM	1	0	22.62	0.1828	17.87	0.0612
Middle		1	0	22.49	0.1774	17.74	0.0594
Highest		1	0	22.56	0.1803	17.81	0.0604
Lowest	64QAM	1	25	21.47	0.1403	16.72	0.0470
Middle		1	25	21.56	0.1432	16.81	0.0480
Highest		1	25	21.41	0.1384	16.66	0.0463
Limit	ERP < 3W			Result		PASS	



LTE Band 13 / 5MHz (Average) (GT - LC = -3.2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.79	0.2393	18.44	0.0698
Middle		1	12	23.80	0.2399	18.45	0.0700
Highest		1	12	23.80	0.2399	18.45	0.0700
Lowest	16QAM	1	24	22.53	0.1791	17.18	0.0522
Middle		1	24	22.57	0.1807	17.22	0.0527
Highest		1	24	22.63	0.1832	17.28	0.0535
Lowest	64QAM	1	12	21.45	0.1396	16.10	0.0407
Middle		1	12	21.62	0.1452	16.27	0.0424
Highest		1	12	21.56	0.1432	16.21	0.0418
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = -3.2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	23.81	0.2404	18.46	0.0701
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	49	22.55	0.1799	17.20	0.0525
Highest		-	-	-	-	-	-
Lowest	64QAM	-	-	-	-	-	-
Middle		1	49	21.58	0.1439	16.23	0.0420
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	



LTE Band 17 / 5MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	23.85	0.2427	19.10	0.0813
Middle		1	12	23.81	0.2404	19.06	0.0805
Highest		1	12	23.81	0.2404	19.06	0.0805
Lowest	16QAM	1	12	22.67	0.1849	17.92	0.0619
Middle		1	12	22.67	0.1849	17.92	0.0619
Highest		1	12	22.67	0.1849	17.92	0.0619
Lowest	64QAM	1	12	21.61	0.1449	16.86	0.0485
Middle		1	12	21.60	0.1445	16.85	0.0484
Highest		1	12	21.56	0.1432	16.81	0.0480
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average) (GT - LC = -2.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.83	0.2415	19.08	0.0809
Middle		1	0	23.75	0.2371	19.00	0.0794
Highest		1	0	23.90	0.2455	19.15	0.0822
Lowest	16QAM	1	49	22.57	0.1807	17.82	0.0605
Middle		1	49	22.70	0.1862	17.95	0.0624
Highest		1	49	22.66	0.1845	17.91	0.0618
Lowest	64QAM	1	49	21.55	0.1429	16.80	0.0479
Middle		1	49	21.65	0.1462	16.90	0.0490
Highest		1	49	21.70	0.1479	16.95	0.0495
Limit	ERP < 3W			Result		PASS	



LTE Band 41 / 5MHz (Average) (GT - LC = -0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	13	22.00	0.1585	21.70	0.1479
Middle		12	13	22.04	0.1600	21.74	0.1493
Highest		12	13	21.89	0.1545	21.59	0.1442
Lowest	16QAM	12	13	21.53	0.1422	21.23	0.1327
Middle		12	13	21.55	0.1429	21.25	0.1334
Highest		12	13	21.37	0.1371	21.07	0.1279
Lowest	64QAM	1	12	21.31	0.1352	21.01	0.1262
Middle		1	12	21.34	0.1361	21.04	0.1271
Highest		1	12	21.15	0.1303	20.85	0.1216
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = -0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	0	21.96	0.1570	21.66	0.1466
Middle		25	0	22.02	0.1592	21.72	0.1486
Highest		25	0	21.85	0.1531	21.55	0.1429
Lowest	16QAM	50	0	21.50	0.1413	21.20	0.1318
Middle		50	0	21.56	0.1432	21.26	0.1337
Highest		50	0	21.40	0.1380	21.10	0.1288
Lowest	64QAM	1	0	21.23	0.1327	20.93	0.1239
Middle		1	0	21.32	0.1355	21.02	0.1265
Highest		1	0	21.14	0.1300	20.84	0.1213
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = -0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	39	22.16	0.1644	21.86	0.1535
Middle		36	39	22.14	0.1637	21.84	0.1528
Highest		36	39	21.99	0.1581	21.69	0.1476
Lowest	16QAM	75	0	21.68	0.1472	21.38	0.1374
Middle		75	0	21.70	0.1479	21.40	0.1380
Highest		75	0	21.52	0.1419	21.22	0.1324
Lowest	64QAM	1	0	21.44	0.1393	21.14	0.1300
Middle		1	0	21.37	0.1371	21.07	0.1279
Highest		1	0	21.14	0.1300	20.84	0.1213
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 20MHz (Average) (GT - LC = -0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	50	0	22.19	0.1656	21.89	0.1545
Middle		50	0	22.15	0.1641	21.85	0.1531
Highest		50	0	22.07	0.1611	21.77	0.1503
Lowest	16QAM	100	0	21.73	0.1489	21.43	0.1390
Middle		100	0	21.67	0.1469	21.37	0.1371
Highest		100	0	21.55	0.1429	21.25	0.1334
Lowest	64QAM	1	0	21.48	0.1406	21.18	0.1312
Middle		1	0	21.38	0.1374	21.08	0.1282
Highest		1	0	21.22	0.1324	20.92	0.1236
Limit	EIRP < 2W			Result		PASS	



LTE Band 26 / 1.4MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	23.83	0.2415	18.78	0.0755
Middle		1	3	23.89	0.2449	18.84	0.0766
Highest		1	3	23.77	0.2382	18.72	0.0745
Lowest	16QAM	1	3	22.61	0.1824	17.56	0.0570
Middle		1	3	22.54	0.1795	17.49	0.0561
Highest		1	3	22.44	0.1754	17.39	0.0548
Lowest	64QAM	1	3	21.56	0.1432	16.51	0.0448
Middle		1	3	21.53	0.1422	16.48	0.0445
Highest		1	3	21.42	0.1387	16.37	0.0434
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 3MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	23.82	0.2410	18.77	0.0753
Middle		1	8	23.90	0.2455	18.85	0.0767
Highest		1	8	23.84	0.2421	18.79	0.0757
Lowest	16QAM	1	8	22.66	0.1845	17.61	0.0577
Middle		1	8	22.69	0.1858	17.64	0.0581
Highest		1	8	22.55	0.1799	17.50	0.0562
Lowest	64QAM	1	8	21.64	0.1459	16.59	0.0456
Middle		1	8	21.58	0.1439	16.53	0.0450
Highest		1	8	21.57	0.1435	16.52	0.0449
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 5MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	23.80	0.2399	18.75	0.0750
Middle		1	24	23.81	0.2404	18.76	0.0752
Highest		1	24	23.75	0.2371	18.70	0.0741
Lowest	16QAM	1	12	22.65	0.1841	17.60	0.0575
Middle		1	12	22.60	0.1820	17.55	0.0569
Highest		1	12	22.48	0.1770	17.43	0.0553
Lowest	64QAM	1	24	21.63	0.1455	16.58	0.0455
Middle		1	24	21.57	0.1435	16.52	0.0449
Highest		1	24	21.41	0.1384	16.36	0.0433
Limit	ERP < 7W			Result		PASS	



LTE Band 26 / 10MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	23.84	0.2421	18.79	0.0757
Middle		1	49	23.82	0.2410	18.77	0.0753
Highest		1	49	23.87	0.2438	18.82	0.0762
Lowest	16QAM	1	49	22.73	0.1875	17.68	0.0586
Middle		1	49	22.63	0.1832	17.58	0.0573
Highest		1	49	22.59	0.1816	17.54	0.0568
Lowest	64QAM	1	49	21.66	0.1466	16.61	0.0458
Middle		1	49	21.56	0.1432	16.51	0.0448
Highest		1	49	21.52	0.1419	16.47	0.0444
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 15MHz (Average) (GT - LC = -2.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.84	0.2421	18.79	0.0757
Middle		1	0	23.92	0.2466	18.87	0.0771
Highest		1	0	23.87	0.2438	18.82	0.0762
Lowest	16QAM	1	0	22.74	0.1879	17.69	0.0587
Middle		1	0	22.76	0.1888	17.71	0.0590
Highest		1	0	22.64	0.1837	17.59	0.0574
Lowest	64QAM	1	0	21.72	0.1486	16.67	0.0465
Middle		1	0	21.75	0.1496	16.70	0.0468
Highest		1	0	21.71	0.1483	16.66	0.0463
Limit	ERP < 7W			Result		PASS	



LTE Band 66 / 1.4MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	24.41	0.2761	24.51	0.2825
Middle		1	3	24.32	0.2704	24.42	0.2767
Highest		1	3	24.44	0.2780	24.54	0.2844
Lowest	16QAM	1	3	23.21	0.2094	23.31	0.2143
Middle		1	3	23.11	0.2046	23.21	0.2094
Highest		1	3	23.23	0.2104	23.33	0.2153
Lowest	64QAM	1	3	22.19	0.1656	22.29	0.1694
Middle		1	3	22.08	0.1614	22.18	0.1652
Highest		1	3	22.17	0.1648	22.27	0.1687
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 3MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	24.52	0.2831	24.62	0.2897
Middle		1	8	24.41	0.2761	24.51	0.2825
Highest		1	8	24.51	0.2825	24.61	0.2891
Lowest	16QAM	1	8	23.28	0.2128	23.38	0.2178
Middle		1	8	23.17	0.2075	23.27	0.2123
Highest		1	8	23.32	0.2148	23.42	0.2198
Lowest	64QAM	1	8	22.27	0.1687	22.37	0.1726
Middle		1	8	22.16	0.1644	22.26	0.1683
Highest		1	8	22.24	0.1675	22.34	0.1714
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 5MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	24.44	0.2780	24.54	0.2844
Middle		1	24	24.41	0.2761	24.51	0.2825
Highest		1	24	24.49	0.2812	24.59	0.2877
Lowest	16QAM	1	24	23.21	0.2094	23.31	0.2143
Middle		1	24	23.14	0.2061	23.24	0.2109
Highest		1	24	23.31	0.2143	23.41	0.2193
Lowest	64QAM	1	24	22.18	0.1652	22.28	0.1690
Middle		1	24	22.16	0.1644	22.26	0.1683
Highest		1	24	22.21	0.1663	22.31	0.1702
Limit	EIRP < 1W			Result		PASS	



LTE Band 66 / 10MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	24.31	0.2698	24.41	0.2761
Middle		1	49	24.26	0.2667	24.36	0.2729
Highest		1	49	24.50	0.2818	24.60	0.2884
Lowest	16QAM	1	49	23.14	0.2061	23.24	0.2109
Middle		1	49	23.05	0.2018	23.15	0.2065
Highest		1	49	23.27	0.2123	23.37	0.2173
Lowest	64QAM	1	49	22.07	0.1611	22.17	0.1648
Middle		1	49	22.03	0.1596	22.13	0.1633
Highest		1	49	22.23	0.1671	22.33	0.1710
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 15MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.52	0.2831	24.62	0.2897
Middle		1	0	24.47	0.2799	24.57	0.2864
Highest		1	0	24.51	0.2825	24.61	0.2891
Lowest	16QAM	1	74	23.19	0.2084	23.29	0.2133
Middle		1	74	23.17	0.2075	23.27	0.2123
Highest		1	74	23.35	0.2163	23.45	0.2213
Lowest	64QAM	1	0	22.28	0.1690	22.38	0.1730
Middle		1	0	22.22	0.1667	22.32	0.1706
Highest		1	0	22.28	0.1690	22.38	0.1730
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 20MHz (Average) (GT - LC = 0.1 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.47	0.2799	24.57	0.2864
Middle		1	0	24.39	0.2748	24.49	0.2812
Highest		1	0	24.54	0.2844	24.64	0.2911
Lowest	16QAM	1	0	23.29	0.2133	23.39	0.2183
Middle		1	0	23.12	0.2051	23.22	0.2099
Highest		1	0	23.30	0.2138	23.40	0.2188
Lowest	64QAM	1	0	22.24	0.1675	22.34	0.1714
Middle		1	0	22.08	0.1614	22.18	0.1652
Highest		1	0	22.30	0.1698	22.40	0.1738
Limit	EIRP < 1W			Result		PASS	



Radiated Spurious Emission

LTE Band 26

LTE Band 26 / 15MHz / 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	1648	-56.48	-13	-43.48	-65.22	-62.21	0.81	8.69	H
	2472	-59.00	-13	-46.00	-72.58	-66.57	1.04	10.76	H
	3296	-58.88	-13	-45.88	-74.49	-67.48	1.10	11.85	H
									H
									H
									H
	1648	-57.05	-13	-44.05	-65.64	-62.78	0.81	8.69	V
	2472	-58.89	-13	-45.89	-72.61	-66.46	1.04	10.76	V
	3296	-57.75	-13	-44.75	-73.73	-66.35	1.10	11.85	V
									V
									V
									V
Middle	1656	-56.85	-13	-43.85	-65.6	-62.60	0.82	8.72	H
	2484	-59.22	-13	-46.22	-72.81	-66.80	1.05	10.78	H
	3312	-58.43	-13	-45.43	-73.97	-67.07	1.10	11.89	H
									H
									H
									H
	1656	-57.56	-13	-44.56	-66.17	-63.31	0.82	8.72	V
	2484	-59.19	-13	-46.19	-72.89	-66.77	1.05	10.78	V
	3312	-57.95	-13	-44.95	-73.9	-66.59	1.10	11.89	V
									V
									V
									V



Highest	1672	-55.73	-13	-42.73	-64.55	-61.55	0.82	8.79	H
	2508	-59.16	-13	-46.16	-72.79	-66.77	1.05	10.81	H
	3344	-58.79	-13	-45.79	-74.17	-67.50	1.10	11.96	H
									H
									H
									H
									H
	1672	-56.64	-13	-43.64	-65.31	-62.46	0.82	8.79	V
	2508	-59.16	-13	-46.16	-72.88	-66.77	1.05	10.81	V
	3344	-58.11	-13	-45.11	-73.99	-66.82	1.10	11.96	V
									V
									V
									V
									V

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



LTE Band 25

LTE Band 25/ 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	3720	-57.52	-13	-44.52	-75.11	-68.75	1.25	12.48	H
	5580	-55.68	-13	-42.68	-77.34	-67.15	1.82	13.28	H
	7440	-50.48	-13	-37.48	-76.82	-59.21	2.45	11.18	H
									H
									H
									H
									H
	3720	-57.25	-13	-44.25	-75.38	-68.48	1.25	12.48	V
	5580	-54.91	-13	-41.91	-77.28	-66.38	1.82	13.28	V
	7440	-50.51	-13	-37.51	-76.57	-59.24	2.45	11.18	V
									V
									V
									V
									V
Middle	3760	-57.92	-13	-44.92	-75.55	-69.16	1.27	12.51	H
	5636	-55.03	-13	-42.03	-76.78	-66.45	1.85	13.27	H
	7520	-49.92	-13	-36.92	-76.58	-58.54	2.50	11.11	H
									H
									H
									H
									H
	3760	-57.47	-13	-44.47	-75.7	-68.71	1.27	12.51	V
	5636	-54.46	-13	-41.46	-76.87	-65.88	1.85	13.27	V
	7520	-50.27	-13	-37.27	-76.73	-58.89	2.50	11.11	V
									V
									V
									V
									V
								V	



Highest	3810	-58.21	-13	-45.21	-75.92	-69.45	1.30	12.55	H
	5715	-55.19	-13	-42.19	-77.09	-66.55	1.89	13.26	H
	7620	-51.24	-13	-38.24	-77.27	-59.84	2.57	11.17	H
									H
									H
									H
									H
	3810	-57.58	-13	-44.58	-75.95	-68.82	1.30	12.55	V
	5715	-54.61	-13	-41.61	-77.17	-65.97	1.89	13.26	V
	7620	-51.13	-13	-38.13	-77.23	-59.73	2.57	11.17	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 / 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	3441	-58.03	-13	-45.03	-74.37	-69.10	1.10	12.17	H
	5163	-56.13	-13	-43.13	-77.07	-67.48	1.54	12.90	H
	6878	-52.71	-13	-39.71	-77	-62.44	2.19	11.92	H
									H
									H
									H
									H
	3441	-57.47	-13	-44.47	-74.27	-68.54	1.10	12.17	V
	5163	-56.71	-13	-43.71	-77.33	-68.06	1.54	12.90	V
	6878	-52.47	-13	-39.47	-77.08	-62.20	2.19	11.92	V
									V
									V
									V
									V
Middle	3490	-57.04	-13	-44.04	-74.17	-68.22	1.10	12.28	H
	5233	-56.01	-13	-43.01	-77.1	-67.40	1.59	12.98	H
	6983	-52.52	-13	-39.52	-76.86	-62.10	2.23	11.82	H
									H
									H
									H
									H
	3490	-56.90	-13	-43.90	-74.25	-68.08	1.10	12.28	V
	5233	-55.61	-13	-42.61	-77.38	-67.00	1.59	12.98	V
	6983	-52.67	-13	-39.67	-76.71	-62.25	2.23	11.82	V
									V
									V
									V
									V



Highest	3539	-56.94	-13	-43.94	-74.29	-68.15	1.13	12.33	H
	5310	-56.37	-13	-43.37	-77.57	-67.80	1.64	13.07	H
	7081	-52.29	-13	-39.29	-77.11	-61.70	2.28	11.69	H
									H
									H
									H
									H
	3539	-56.36	-13	-43.36	-73.95	-67.57	1.13	12.33	V
	5310	-55.67	-13	-42.67	-77.58	-67.10	1.64	13.07	V
	7081	-51.19	-13	-38.19	-76.71	-60.60	2.28	11.69	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 / 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	5020	-55.92	-25	-30.92	-76.6	-67.20	1.44	12.72	H
	7530	-50.24	-25	-25.24	-76.82	-58.86	2.50	11.12	H
	10040	-46.25	-25	-21.25	-76.98	-54.38	3.05	11.18	H
									H
									H
									H
									H
	5020	-55.49	-25	-30.49	-76.7	-66.77	1.44	12.72	V
	7530	-50.10	-25	-25.10	-76.53	-58.72	2.50	11.12	V
	10040	-46.33	-25	-21.33	-76.74	-54.46	3.05	11.18	V
									V
									V
									V
									V
Middle	5070	-55.50	-25	-30.50	-76.28	-66.81	1.48	12.78	H
	7605	-50.29	-25	-25.29	-76.31	-58.89	2.56	11.16	H
	10140	-45.69	-25	-20.69	-76.54	-53.73	3.10	11.14	H
									H
									H
									H
									H
	5070	-55.04	-25	-30.04	-76.39	-66.35	1.48	12.78	V
	7605	-50.53	-25	-25.53	-76.62	-59.13	2.56	11.16	V
	10140	-45.88	-25	-20.88	-76.43	-53.92	3.10	11.14	V
									V
									V
									V
									V
								V	



Highest	5120	-56.25	-25	-31.25	-77.13	-67.58	1.51	12.84	H
	7680	-49.91	-25	-24.91	-76.01	-58.50	2.62	11.21	H
	10240	-44.85	-25	-19.85	-75.82	-52.80	3.15	11.10	H
									H
									H
									H
									H
	5100	-53.58	-25	-28.58	-75.03	-64.90	1.50	12.82	V
	7656	-49.54	-25	-24.54	-75.69	-58.14	2.60	11.19	V
	10200	-45.97	-25	-20.97	-76.61	-53.96	3.13	11.12	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 / 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	4997	-56.39	-25	-31.39	-77.03	-67.66	1.43	12.70	H
	7495.5	-50.94	-25	-25.94	-77.72	-59.57	2.48	11.11	H
	9994	-47.43	-25	-22.43	-78.12	-55.60	3.03	11.20	H
									H
									H
									H
									H
	4997	-55.72	-25	-30.72	-76.87	-66.99	1.43	12.70	V
	7495.5	-51.04	-25	-26.04	-77.57	-59.67	2.48	11.11	V
	9994	-47.58	-25	-22.58	-77.92	-55.75	3.03	11.20	V
									V
									V
									V
									V
Middle	5186	-55.98	-25	-30.98	-76.97	-67.35	1.56	12.92	H
	7779	-50.44	-25	-25.44	-76.68	-59.02	2.69	11.27	H
	10372	-46.63	-25	-21.63	-77.74	-54.47	3.22	11.05	H
									H
									H
									H
									H
	5186	-55.63	-25	-30.63	-77.32	-67.00	1.56	12.92	V
	7779	-50.73	-25	-25.73	-77.05	-59.31	2.69	11.27	V
	10372	-46.67	-25	-21.67	-77.56	-54.51	3.22	11.05	V
									V
									V
									V
									V



Highest	5375	-56.79	-25	-31.79	-78.11	-68.26	1.69	13.15	H
	8062.5	-48.72	-25	-23.72	-76.55	-57.35	2.86	11.49	H
	10750	-47.41	-25	-22.41	-78.75	-55.26	3.11	10.95	H
									H
									H
									H
									H
	5375	-56.32	-25	-31.32	-78.33	-67.79	1.69	13.15	V
	8062.5	-49.60	-25	-24.60	-77.22	-58.23	2.86	11.49	V
	10750	-46.99	-25	-21.99	-78.26	-54.84	3.11	10.95	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 / 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	1408	-61.81	-13.00	-48.81	-71.73	-66.63	0.74	7.71	H
	2112	-60.25	-13.00	-47.25	-72.68	-67.41	0.95	10.26	H
	2816	-58.21	-13.00	-45.21	-73.18	-66.02	1.09	11.05	H
									H
									H
									H
									H
	1408	-62.61	-13.00	-49.61	-72.14	-67.43	0.74	7.71	V
	2112	-60.11	-13.00	-47.11	-72.65	-67.27	0.95	10.26	V
	2816	-57.75	-13.00	-44.75	-73.21	-65.56	1.09	11.05	V
									V
									V
									V
									V
Middle	1415	-62.20	-13.00	-49.20	-72.03	-67.05	0.74	7.74	H
	2122.5	-60.24	-13.00	-47.24	-72.80	-67.41	0.95	10.27	H
	2830	-58.12	-13.00	-45.12	-73.12	-65.94	1.09	11.06	H
									H
									H
									H
									H
	1415	-62.49	-13.00	-49.49	-71.99	-67.34	0.74	7.74	V
	2122.5	-60.04	-13.00	-47.04	-72.74	-67.21	0.95	10.27	V
	2830	-57.77	-13.00	-44.77	-73.27	-65.59	1.09	11.06	V
									V
									V
									V
									V
								V	



Highest	1422	-62.37	-13.00	-49.37	-72.09	-67.25	0.74	7.77	H
	2133	-60.39	-13.00	-47.39	-73.09	-67.58	0.95	10.29	H
	2844	-58.30	-13.00	-45.30	-73.34	-66.14	1.09	11.08	H
									H
									H
									H
									H
	1422	-62.62	-13.00	-49.62	-72.07	-67.50	0.74	7.77	V
	2133	-60.27	-13.00	-47.27	-73.12	-67.46	0.95	10.29	V
	2844	-57.58	-13.00	-44.58	-73.10	-65.42	1.09	11.08	V
									V
									V
									V
									V

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



LTE Band 13

LTE Band 13 / 5MHz / 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	1559	-63.46	-42.15	-21.31	-72.10	-68.86	0.79	8.34	H
	2338	-59.37	-13	-46.37	-72.81	-66.78	1.01	10.57	H
	3118	-57.59	-13	-44.59	-73.40	-65.79	1.11	11.46	H
									H
									H
									H
									H
	1559	-63.80	-42.15	-21.65	-72.46	-69.20	0.79	8.34	V
	2338	-58.93	-13	-45.93	-72.68	-66.34	1.01	10.57	V
	3118	-57.49	-13	-44.49	-73.56	-65.69	1.11	11.46	V
									V
									V
									V
									V
Middle	1564	-65.85	-42.15	-23.70	-72.33	-71.27	0.79	8.36	H
	2346	-61.51	-13	-48.51	-72.8	-68.93	1.01	10.58	H
	3128	-59.95	-13	-46.95	-73.64	-68.17	1.11	11.48	H
									H
									H
									H
									H
	1564	-66.17	-42.15	-24.02	-72.66	-71.59	0.79	8.36	V
	2346	-60.95	-13	-47.95	-72.55	-68.37	1.01	10.58	V
	3128	-59.99	-13	-46.99	-73.93	-68.21	1.11	11.48	V
									V
									V
									V
									V



Highest	1569	-63.76	-42.15	-21.61	-72.39	-69.20	0.79	8.38	H
	2353.5	-58.96	-13	-45.96	-72.40	-66.39	1.01	10.59	H
	3138	-58.08	-13	-45.08	-73.96	-66.32	1.11	11.50	H
									H
									H
									H
									H
	1569	-62.94	-42.15	-20.79	-71.55	-68.38	0.79	8.38	V
	2353.5	-58.87	-13	-45.87	-72.62	-66.30	1.01	10.59	V
	3138	-57.51	-13	-44.51	-73.61	-65.75	1.11	11.50	V
									V
									V
									V
									V

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



LTE Band 13 / 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)
Middle	1564	-65.85	-42.15	-23.70	-72.33	-71.27	0.79	8.36	H
	2346	-61.51	-13	-48.51	-72.8	-68.93	1.01	10.58	H
	3128	-59.95	-13	-46.95	-73.64	-68.17	1.11	11.48	H
									H
									H
									H
									H
	1564	-66.17	-42.15	-24.02	-72.66	-71.59	0.79	8.36	V
	2346	-60.95	-13	-47.95	-72.55	-68.37	1.01	10.58	V
	3128	-59.99	-13	-46.99	-73.93	-68.21	1.11	11.48	V
									V
									V
									V
									V

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