

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	0.0017	PASS
40	Normal Voltage	0.0051	
30	Normal Voltage	0.0060	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0051	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =9 V. ; Battery End Point (BEP) =7.65 V. ; Maximum Voltage =10.35 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 = 3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	23.52	0.2249	26.52	0.4487
Middle		1	3	23.80	0.2399	26.80	0.4786
Highest		1	3	23.86	0.2432	26.86	0.4853
Lowest	16QAM	1	3	22.72	0.1871	25.72	0.3733
Middle		1	3	23.11	0.2046	26.11	0.4083
Highest		1	3	23.18	0.2080	26.18	0.4150
Lowest	64QAM	1	3	21.64	0.1459	24.64	0.2911
Middle		1	3	22.00	0.1585	25.00	0.3162
Highest		1	3	22.04	0.1600	25.04	0.3192
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = 3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.47	0.2223	26.47	0.4436
Middle		1	0	23.83	0.2415	26.83	0.4819
Highest		1	0	23.88	0.2443	26.88	0.4875
Lowest	16QAM	1	14	22.71	0.1866	25.71	0.3724
Middle		1	14	23.11	0.2046	26.11	0.4083
Highest		1	14	23.15	0.2065	26.15	0.4121
Lowest	64QAM	1	0	21.65	0.1462	24.65	0.2917
Middle		1	0	22.09	0.1618	25.09	0.3228
Highest		1	0	22.03	0.1596	25.03	0.3184
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = 3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.51	0.2244	26.51	0.4477
Middle		1	0	23.87	0.2438	26.87	0.4864
Highest		1	0	23.95	0.2483	26.95	0.4955
Lowest	16QAM	1	0	22.80	0.1905	25.80	0.3802
Middle		1	0	23.15	0.2065	26.15	0.4121
Highest		1	0	23.21	0.2094	26.21	0.4178
Lowest	64QAM	1	0	21.74	0.1493	24.74	0.2979
Middle		1	0	22.12	0.1629	25.12	0.3251
Highest		1	0	22.15	0.1641	25.15	0.3273
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = 3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.52	0.2249	26.52	0.4487
Middle		1	0	23.88	0.2443	26.88	0.4875
Highest		1	0	23.97	0.2495	26.97	0.4977
Lowest	16QAM	1	0	22.82	0.1914	25.82	0.3819
Middle		1	0	23.16	0.2070	26.16	0.4130
Highest		1	0	23.22	0.2099	26.22	0.4188
Lowest	64QAM	1	0	21.72	0.1486	24.72	0.2965
Middle		1	0	22.02	0.1592	25.02	0.3177
Highest		1	0	22.16	0.1644	25.16	0.3281
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = 3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.68	0.2333	26.68	0.4656
Middle		1	0	23.98	0.2500	26.98	0.4989
Highest		1	0	24.20	0.2630	27.20	0.5248
Lowest	16QAM	1	0	22.96	0.1977	25.96	0.3945
Middle		1	0	23.30	0.2138	26.30	0.4266
Highest		1	0	23.45	0.2213	26.45	0.4416
Lowest	64QAM	1	0	21.88	0.1542	24.88	0.3076
Middle		1	0	22.25	0.1679	25.25	0.3350
Highest		1	0	22.38	0.1730	25.38	0.3451
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = 3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.92	0.2466	26.92	0.4920
Middle		1	0	24.04	0.2535	27.04	0.5058
Highest		1	0	24.45	0.2786	27.45	0.5559
Lowest	16QAM	1	0	23.23	0.2104	26.23	0.4198
Middle		1	0	23.33	0.2153	26.33	0.4295
Highest		1	0	23.70	0.2344	26.70	0.4677
Lowest	64QAM	1	0	22.12	0.1629	25.12	0.3251
Middle		1	0	22.28	0.1690	25.28	0.3373
Highest		1	0	22.54	0.1795	25.54	0.3581
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 3.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	23.73	0.2360	27.33	0.5408
Middle		1	3	24.22	0.2642	27.82	0.6053
Highest		1	3	24.59	0.2877	28.19	0.6592
Lowest	16QAM	1	3	23.01	0.2000	26.61	0.4581
Middle		1	3	23.51	0.2244	27.11	0.5140
Highest		1	3	23.88	0.2443	27.48	0.5598
Lowest	64QAM	1	3	21.93	0.1560	25.53	0.3573
Middle		1	3	22.40	0.1738	26.00	0.3981
Highest		1	3	22.79	0.1901	26.39	0.4355
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 3.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.76	0.2377	27.36	0.5445
Middle		1	0	24.27	0.2673	27.87	0.6124
Highest		1	0	24.55	0.2851	28.15	0.6531
Lowest	16QAM	1	8	23.04	0.2014	26.64	0.4613
Middle		1	8	23.54	0.2259	27.14	0.5176
Highest		1	8	23.86	0.2432	27.46	0.5572
Lowest	64QAM	1	0	21.97	0.1574	25.57	0.3606
Middle		1	0	22.49	0.1774	26.09	0.4064
Highest		1	0	22.77	0.1892	26.37	0.4335
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 3.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.85	0.2427	27.45	0.5559
Middle		1	0	24.31	0.2698	27.91	0.6180
Highest		1	0	24.68	0.2938	28.28	0.6730
Lowest	16QAM	1	0	23.10	0.2042	26.70	0.4677
Middle		1	0	23.59	0.2286	27.19	0.5236
Highest		1	0	23.98	0.2500	27.58	0.5728
Lowest	64QAM	1	0	22.08	0.1614	25.68	0.3698
Middle		1	0	22.53	0.1791	26.13	0.4102
Highest		1	0	22.89	0.1945	26.49	0.4457
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 3.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	23.80	0.2399	27.40	0.5495
Middle		1	25	24.21	0.2636	27.81	0.6039
Highest		1	25	24.57	0.2864	28.17	0.6561
Lowest	16QAM	1	0	23.06	0.2023	26.66	0.4634
Middle		1	0	23.51	0.2244	27.11	0.5140
Highest		1	0	23.90	0.2455	27.50	0.5623
Lowest	64QAM	1	0	22.04	0.1600	25.64	0.3664
Middle		1	0	22.46	0.1762	26.06	0.4036
Highest		1	0	22.79	0.1901	26.39	0.4355
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 3.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.92	0.2466	27.52	0.5649
Middle		1	0	24.42	0.2767	28.02	0.6339
Highest		1	0	24.81	0.3027	28.41	0.6934
Lowest	16QAM	1	0	23.22	0.2099	26.82	0.4808
Middle		1	0	23.73	0.2360	27.33	0.5408
Highest		1	0	24.15	0.2600	27.75	0.5957
Lowest	64QAM	1	0	22.16	0.1644	25.76	0.3767
Middle		1	0	22.61	0.1824	26.21	0.4178
Highest		1	0	23.08	0.2032	26.68	0.4656
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 3.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.94	0.2477	27.54	0.5675
Middle		1	0	24.34	0.2716	27.94	0.6223
Highest		1	0	24.69	0.2944	28.29	0.6745
Lowest	16QAM	1	0	23.26	0.2118	26.86	0.4853
Middle		1	0	23.66	0.2323	27.26	0.5321
Highest		1	0	24.00	0.2512	27.60	0.5754
Lowest	64QAM	1	0	22.18	0.1652	25.78	0.3784
Middle		1	0	22.54	0.1795	26.14	0.4111
Highest		1	0	22.89	0.1945	26.49	0.4457
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = 1.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	23.06	0.2023	22.81	0.1910
Middle		1	3	22.99	0.1991	22.74	0.1879
Highest		1	3	23.05	0.2018	22.80	0.1905
Lowest	16QAM	1	3	22.33	0.1710	22.08	0.1614
Middle		1	3	22.32	0.1706	22.07	0.1611
Highest		1	3	22.36	0.1722	22.11	0.1626
Lowest	64QAM	1	3	21.26	0.1337	21.01	0.1262
Middle		1	3	21.22	0.1324	20.97	0.1250
Highest		1	3	21.29	0.1346	21.04	0.1271
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 1.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.15	0.2065	22.90	0.1950
Middle		1	0	23.04	0.2014	22.79	0.1901
Highest		1	0	23.11	0.2046	22.86	0.1932
Lowest	16QAM	1	0	22.43	0.1750	22.18	0.1652
Middle		1	0	22.32	0.1706	22.07	0.1611
Highest		1	0	22.41	0.1742	22.16	0.1644
Lowest	64QAM	1	0	21.38	0.1374	21.13	0.1297
Middle		1	0	21.33	0.1358	21.08	0.1282
Highest		1	0	21.29	0.1346	21.04	0.1271
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 1.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.16	0.2070	22.91	0.1954
Middle		1	0	23.06	0.2023	22.81	0.1910
Highest		1	0	23.14	0.2061	22.89	0.1945
Lowest	16QAM	1	0	22.44	0.1754	22.19	0.1656
Middle		1	0	22.38	0.1730	22.13	0.1633
Highest		1	0	22.48	0.1770	22.23	0.1671
Lowest	64QAM	1	0	21.40	0.1380	21.15	0.1303
Middle		1	0	21.32	0.1355	21.07	0.1279
Highest		1	0	21.35	0.1365	21.10	0.1288
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = 1.9 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.06	0.2023	22.81	0.1910
Middle		1	0	23.06	0.2023	22.81	0.1910
Highest		1	0	22.96	0.1977	22.71	0.1866
Lowest	16QAM	1	0	22.35	0.1718	22.10	0.1622
Middle		1	0	22.39	0.1734	22.14	0.1637
Highest		1	0	22.27	0.1687	22.02	0.1592
Lowest	64QAM	1	0	21.25	0.1334	21.00	0.1259
Middle		1	0	21.27	0.1340	21.02	0.1265
Highest		1	0	21.24	0.1330	20.99	0.1256
Limit	ERP < 7W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = 2.5 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	23.08	0.2032	23.43	0.2203
Middle		3	1	23.02	0.2004	23.37	0.2173
Highest		3	1	23.02	0.2004	23.37	0.2173
Lowest	16QAM	1	3	22.31	0.1702	22.66	0.1845
Middle		1	3	22.34	0.1714	22.69	0.1858
Highest		1	3	22.33	0.1710	22.68	0.1854
Lowest	64QAM	1	3	21.27	0.1340	21.62	0.1452
Middle		1	3	21.21	0.1321	21.56	0.1432
Highest		1	3	21.24	0.1330	21.59	0.1442
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = 2.5 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.10	0.2042	23.45	0.2213
Middle		1	0	23.05	0.2018	23.40	0.2188
Highest		1	0	23.08	0.2032	23.43	0.2203
Lowest	16QAM	1	8	22.37	0.1726	22.72	0.1871
Middle		1	8	22.35	0.1718	22.70	0.1862
Highest		1	8	22.40	0.1738	22.75	0.1884
Lowest	64QAM	1	0	21.38	0.1374	21.73	0.1489
Middle		1	0	21.23	0.1327	21.58	0.1439
Highest		1	0	21.30	0.1349	21.65	0.1462
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = 2.5 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.15	0.2065	23.50	0.2239
Middle		1	0	23.05	0.2018	23.40	0.2188
Highest		1	0	23.13	0.2056	23.48	0.2228
Lowest	16QAM	1	0	22.40	0.1738	22.75	0.1884
Middle		1	0	22.35	0.1718	22.70	0.1862
Highest		1	0	22.41	0.1742	22.76	0.1888
Lowest	64QAM	1	0	21.35	0.1365	21.70	0.1479
Middle		1	0	21.28	0.1343	21.63	0.1455
Highest		1	0	21.34	0.1361	21.69	0.1476
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = 2.5 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.09	0.2037	23.44	0.2208
Middle		1	0	23.04	0.2014	23.39	0.2183
Highest		1	0	23.12	0.2051	23.47	0.2223
Lowest	16QAM	1	0	22.41	0.1742	22.76	0.1888
Middle		1	0	22.35	0.1718	22.70	0.1862
Highest		1	0	22.46	0.1762	22.81	0.1910
Lowest	64QAM	1	0	21.24	0.1330	21.59	0.1442
Middle		1	0	21.32	0.1355	21.67	0.1469
Highest		1	0	21.35	0.1365	21.70	0.1479
Limit	ERP < 3W			Result		PASS	



LTE Band 66 / 1.4MHz (Average) (GT - LC = 3.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	23.73	0.2360	27.23	0.5284
Middle		1	3	24.89	0.3083	28.39	0.6902
Highest		1	3	24.49	0.2812	27.99	0.6295
Lowest	16QAM	1	3	23.03	0.2009	26.53	0.4498
Middle		1	3	24.19	0.2624	27.69	0.5875
Highest		1	3	23.74	0.2366	27.24	0.5297
Lowest	64QAM	1	3	21.96	0.1570	25.46	0.3516
Middle		1	3	23.09	0.2037	26.59	0.4560
Highest		1	3	22.70	0.1862	26.20	0.4169
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 3MHz (Average) (GT - LC = 3.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.80	0.2399	27.30	0.5370
Middle		1	0	24.94	0.3119	28.44	0.6982
Highest		1	0	24.53	0.2838	28.03	0.6353
Lowest	16QAM	1	8	23.07	0.2028	26.57	0.4539
Middle		1	8	24.26	0.2667	27.76	0.5970
Highest		1	8	23.81	0.2404	27.31	0.5383
Lowest	64QAM	1	8	21.98	0.1578	25.48	0.3532
Middle		1	8	23.16	0.2070	26.66	0.4634
Highest		1	8	22.71	0.1866	26.21	0.4178
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 5MHz (Average) (GT - LC = 3.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.90	0.2455	27.40	0.5495
Middle		1	12	24.95	0.3126	28.45	0.6998
Highest		1	12	24.55	0.2851	28.05	0.6383
Lowest	16QAM	1	24	23.18	0.2080	26.68	0.4656
Middle		1	24	24.25	0.2661	27.75	0.5957
Highest		1	24	23.83	0.2415	27.33	0.5408
Lowest	64QAM	1	12	22.09	0.1618	25.59	0.3622
Middle		1	12	23.14	0.2061	26.64	0.4613
Highest		1	12	22.78	0.1897	26.28	0.4246
Limit	EIRP < 1W			Result		PASS	



LTE Band 66 / 10MHz (Average) (GT - LC = 3.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.87	0.2438	27.37	0.5458
Middle		1	0	24.92	0.3105	28.42	0.6950
Highest		1	0	24.73	0.2972	28.23	0.6653
Lowest	16QAM	1	0	23.11	0.2046	26.61	0.4581
Middle		1	0	24.22	0.2642	27.72	0.5916
Highest		1	0	24.00	0.2512	27.50	0.5623
Lowest	64QAM	1	25	22.09	0.1618	25.59	0.3622
Middle		1	25	23.18	0.2080	26.68	0.4656
Highest		1	25	22.76	0.1888	26.26	0.4227
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 15MHz (Average) (GT - LC = 3.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	24.11	0.2576	27.61	0.5768
Middle		1	37	25.04	0.3192	28.54	0.7145
Highest		1	37	24.65	0.2917	28.15	0.6531
Lowest	16QAM	1	0	23.36	0.2168	26.86	0.4853
Middle		1	0	24.34	0.2716	27.84	0.6081
Highest		1	0	24.26	0.2667	27.76	0.5970
Lowest	64QAM	1	37	22.35	0.1718	25.85	0.3846
Middle		1	37	23.27	0.2123	26.77	0.4753
Highest		1	37	22.84	0.1923	26.34	0.4305
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 20MHz (Average) (GT - LC = 3.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.12	0.2582	27.62	0.5781
Middle		1	0	24.94	0.3119	28.44	0.6982
Highest		1	0	25.07	0.3214	28.57	0.7194
Lowest	16QAM	1	49	23.43	0.2203	26.93	0.4932
Middle		1	49	24.37	0.2735	27.87	0.6124
Highest		1	49	24.04	0.2535	27.54	0.5675
Lowest	64QAM	1	0	22.33	0.1710	25.83	0.3828
Middle		1	0	23.18	0.2080	26.68	0.4656
Highest		1	0	23.12	0.2051	26.62	0.4592
Limit	EIRP < 1W			Result		PASS	

**Radiated Spurious Emission****LTE Band 2**

LTE Band 2 / 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	3702	-44.78	-13	-31.78	-65.88	-51.35	1.67	8.24	H
	5556	-36.71	-13	-23.71	-62.19	-43.78	2.66	9.72	H
	7398	-51.86	-13	-38.86	-79.22	-60.99	2.46	11.60	H
									H
	3702	-42.81	-13	-29.81	-63.84	-49.38	1.67	8.24	V
	5556	-38.49	-13	-25.49	-64.02	-45.56	2.66	9.72	V
	7398	-51.74	-13	-38.74	-79.13	-60.87	2.46	11.60	V
									V
Middle	3744	-47.22	-13	-34.22	-68.29	-53.83	1.68	8.29	H
	5616	-34.28	-13	-21.28	-59.89	-41.33	2.69	9.75	H
	7482	-51.78	-13	-38.78	-79.19	-61.11	2.44	11.76	H
									H
	3744	-44.52	-13	-31.52	-65.63	-51.13	1.68	8.29	V
	5616	-36.34	-13	-23.34	-61.89	-43.39	2.69	9.75	V
	7482	-51.55	-13	-38.55	-79.13	-60.88	2.44	11.76	V
Highest	3780	-49.18	-13	-36.18	-70.14	-55.82	1.69	8.34	H
	5676	-33.75	-13	-20.75	-59.47	-40.79	2.73	9.77	H
	7560	-51.14	-13	-38.14	-78.66	-60.57	2.41	11.84	H
									H
	3780	-46.37	-13	-33.37	-67.44	-53.01	1.69	8.34	V
	5676	-35.73	-13	-22.73	-61.44	-42.77	2.73	9.77	V
	7560	-50.44	-13	-37.44	-78.33	-59.87	2.41	11.84	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)	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	3420	-49.96	-13	-36.96	-70.61	-56.03	1.58	7.65	H
	5136	-34.94	-13	-21.94	-59.03	-42.22	2.42	9.70	H
	6840	-52.21	-13	-39.21	-79.03	-60.18	2.64	10.61	H
									H
	3420	-48.68	-13	-35.68	-69.38	-54.75	1.58	7.65	V
	5136	-37.26	-13	-24.26	-61.06	-44.54	2.42	9.70	V
	6840	-52.51	-13	-39.51	-79.25	-60.48	2.64	10.61	V
									V
Middle	3474	-44.33	-13	-31.33	-65.28	-50.62	1.60	7.89	H
	5208	-31.04	-13	-18.04	-55.36	-38.28	2.46	9.70	H
	6940	-52.46	-13	-39.46	-79.37	-60.58	2.61	10.73	H
									H
	3474	-43.77	-13	-30.77	-64.63	-50.06	1.60	7.89	V
	5208	-32.67	-13	-19.67	-56.87	-39.91	2.46	9.70	V
	6940	-52.41	-13	-39.41	-79.33	-60.53	2.61	10.73	V
									V
Highest	3522	-47.06	-13	-34.06	-68.12	-53.48	1.61	8.03	H
	5286	-27.44	-13	-14.44	-51.9	-34.64	2.50	9.70	H
	7040	-51.79	-13	-38.79	-78.79	-60.09	2.58	10.88	H
									H
	3522	-45.57	-13	-32.57	-66.46	-51.99	1.61	8.03	V
	5286	-30.46	-13	-17.46	-54.88	-37.66	2.50	9.70	V
	7040	-51.81	-13	-38.81	-78.86	-60.11	2.58	10.88	V
									V

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

**LTE Band 5**

LTE Band 5 / 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	1648	-65.76	-13	-52.76	-78.21	-67.52	0.98	4.89	H
	2472	-52.68	-13	-39.68	-70.37	-54.56	1.28	5.32	H
	3296	-56.33	-13	-43.33	-75.96	-59.74	1.54	7.10	H
									H
	1648	-65.48	-13	-52.48	-78.42	-67.24	0.98	4.89	V
	2472	-57.47	-13	-44.47	-75.52	-59.35	1.28	5.32	V
	3296	-56.18	-13	-43.18	-76.1	-59.59	1.54	7.10	V
									V
Middle	1668	-65.56	-13	-52.56	-78.13	-67.25	0.99	4.83	H
	2504	-57.07	-13	-44.07	-74.71	-59.03	1.29	5.40	H
	3336	-55.96	-13	-42.96	-75.91	-59.54	1.55	7.28	H
									H
	1668	-64.95	-13	-51.95	-78.06	-66.64	0.99	4.83	V
	2504	-58.13	-13	-45.13	-76.26	-60.09	1.29	5.40	V
	3336	-56.29	-13	-43.29	-76.28	-59.87	1.55	7.28	V
									V
Highest	1688	-62.49	-13	-49.49	-75.22	-64.12	1.00	4.77	H
	2536	-57.75	-13	-44.75	-75.45	-59.73	1.30	5.43	H
	3376	-55.88	-13	-42.88	-76.08	-59.62	1.57	7.45	H
									H
	1688	-63.74	-13	-50.74	-76.89	-65.37	1.00	4.77	V
	2536	-57.88	-13	-44.88	-76.2	-59.86	1.30	5.43	V
	3376	-55.97	-13	-42.97	-76.23	-59.71	1.57	7.45	V
									V

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

**LTE Band 12**

LTE Band 12 / 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	1400	-66.21	-13.00	-53.21	-76.87	-67.87	0.87	4.68	H
	2096	-58.34	-13.00	-45.34	-74.25	-59.21	1.16	4.19	H
	2792	-58.14	-13.00	-45.14	-76.03	-60.24	1.38	5.63	H
									H
	1400	-65.96	-13.00	-52.96	-77.18	-67.62	0.87	4.68	V
	2096	-61.14	-13.00	-48.14	-77.29	-62.01	1.16	4.19	V
	2800	-57.32	-13.00	-44.32	-75.95	-59.43	1.38	5.64	V
									V
Middle	1408	-66.11	-13.00	-53.11	-76.95	-67.82	0.87	4.73	H
	2120	-56.72	-13.00	-43.72	-72.63	-57.66	1.17	4.26	H
	2824	-57.93	-13.00	-44.93	-76.00	-60.05	1.39	5.66	H
									H
	1408	-65.82	-13.00	-52.82	-77.02	-67.53	0.87	4.73	V
	2120	-59.87	-13.00	-46.87	-76.12	-60.81	1.17	4.26	V
	2824	-57.07	-13.00	-44.07	-75.98	-59.19	1.39	5.66	V
									V
Highest	1424	-66.17	-13.00	-53.17	-77.03	-67.97	0.88	4.83	H
	2136	-56.81	-13.00	-43.81	-72.84	-57.79	1.18	4.31	H
	2840	-57.99	-13.00	-44.99	-76.03	-60.11	1.40	5.67	H
									H
	1424	-65.84	-13.00	-52.84	-77.19	-67.64	0.88	4.83	V
	2136	-61.03	-13.00	-48.03	-77.40	-62.01	1.18	4.31	V
	2840	-57.06	-13.00	-44.06	-75.99	-59.18	1.40	5.67	V
									V

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