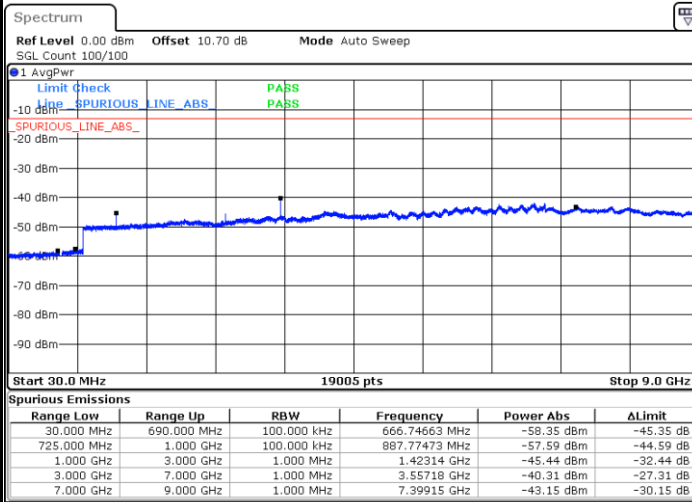




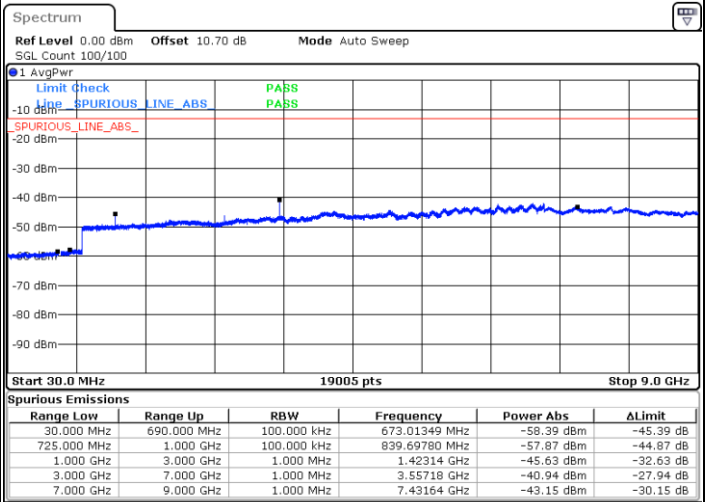
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 1.SEP.2017 22:05:59

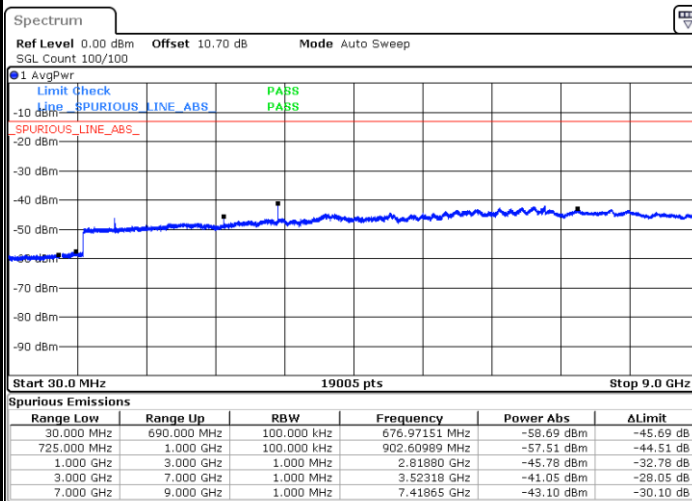
Highest Channel / 16QAM



Date: 1.SEP.2017 22:06:52

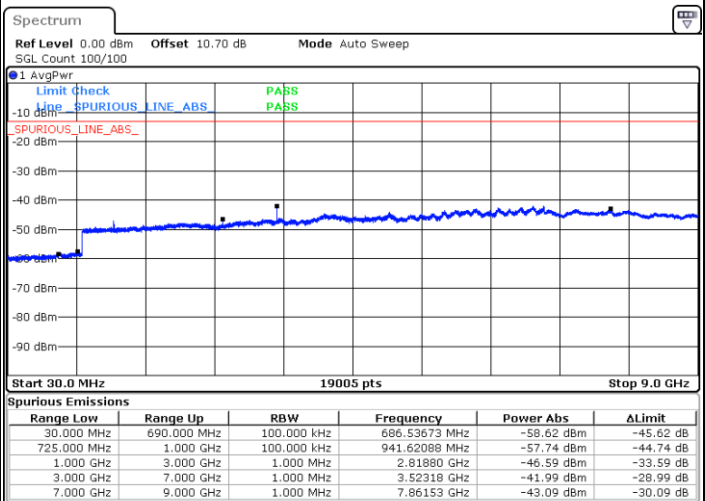
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 1.SEP.2017 22:13:01

Lowest Channel / 16QAM

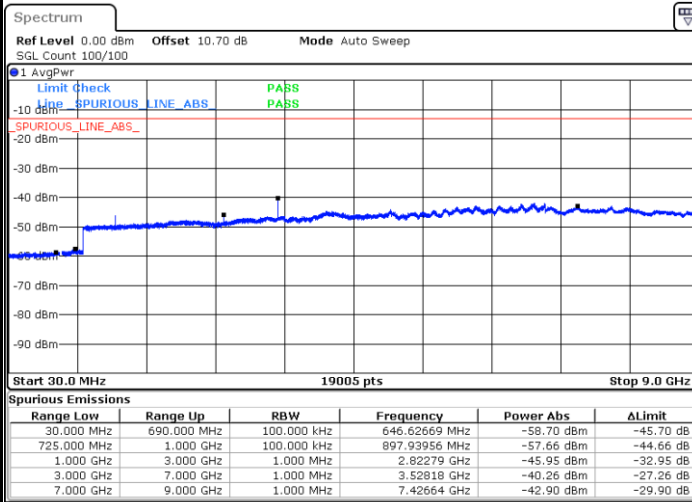


Date: 1.SEP.2017 22:13:55



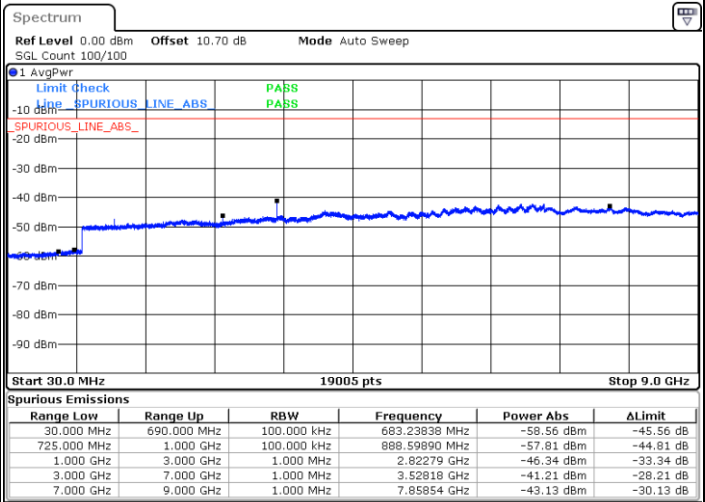
LTE Band 17 / 10MHz

Middle Channel / QPSK



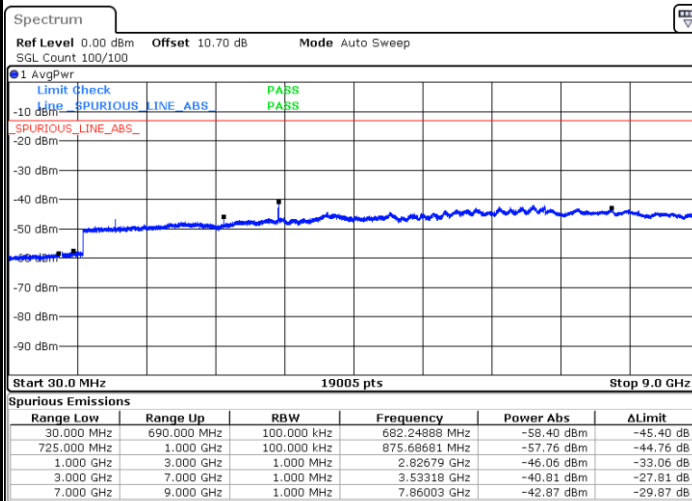
Date: 1.SEP.2017 22:15:28

Middle Channel / 16QAM



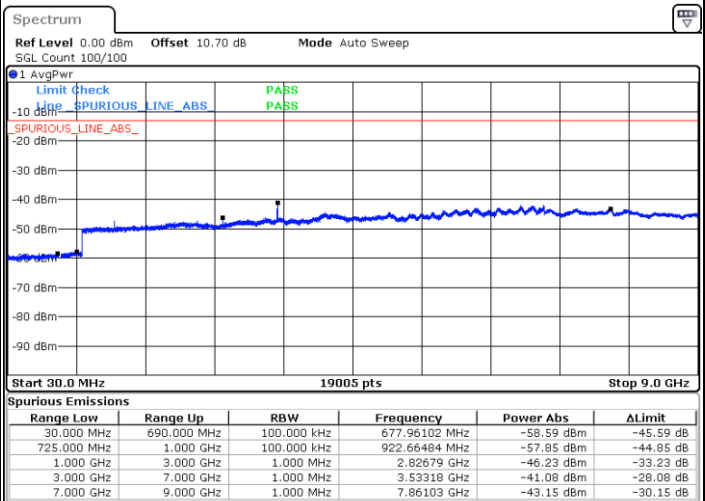
Date: 1.SEP.2017 22:16:22

Highest Channel / QPSK



Date: 1.SEP.2017 22:39:04

Highest Channel / 16QAM



Date: 1.SEP.2017 22:39:57

Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0082	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0079	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0056	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 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 = -0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	3	22.25	0.1679	21.75	0.1496
Middle		3	3	21.83	0.1524	21.33	0.1358
Highest		3	3	21.31	0.1352	20.81	0.1205
Lowest	16QAM	1	3	21.45	0.1396	20.95	0.1245
Middle		1	3	20.86	0.1219	20.36	0.1086
Highest		1	3	20.31	0.1074	19.81	0.0957
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average) (GT - LC = -0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	8	22.15	0.1641	21.65	0.1462
Middle		1	8	21.64	0.1459	21.14	0.1300
Highest		1	8	21.05	0.1274	20.55	0.1135
Lowest	16QAM	1	8	21.47	0.1403	20.97	0.1250
Middle		1	8	21.01	0.1262	20.51	0.1125
Highest		1	8	20.30	0.1072	19.80	0.0955
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average) (GT - LC = -0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	22.25	0.1679	21.75	0.1496
Middle		1	12	21.70	0.1479	21.20	0.1318
Highest		1	12	21.26	0.1337	20.76	0.1191
Lowest	16QAM	1	0	21.39	0.1377	20.89	0.1227
Middle		1	0	20.91	0.1233	20.41	0.1099
Highest		1	0	20.38	0.1091	19.88	0.0973
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average) (GT - LC = -0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	22.22	0.1667	21.72	0.1486
Middle		1	25	21.70	0.1479	21.20	0.1318
Highest		1	25	21.22	0.1324	20.72	0.1180
Lowest	16QAM	1	0	21.35	0.1365	20.85	0.1216
Middle		1	0	21.01	0.1262	20.51	0.1125
Highest		1	0	20.55	0.1135	20.05	0.1012
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average) (GT - LC = -0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.24	0.1675	21.74	0.1493
Middle		1	0	21.94	0.1563	21.44	0.1393
Highest		1	0	21.36	0.1368	20.86	0.1219
Lowest	16QAM	1	0	21.39	0.1377	20.89	0.1227
Middle		1	0	21.13	0.1297	20.63	0.1156
Highest		1	0	20.58	0.1143	20.08	0.1019
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average) (GT - LC = -0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.26	0.1683	21.76	0.1500
Middle		1	0	22.03	0.1596	21.53	0.1422
Highest		1	0	22.01	0.1589	21.51	0.1416
Lowest	16QAM	1	0	21.49	0.1409	20.99	0.1256
Middle		1	0	21.37	0.1371	20.87	0.1222
Highest		1	0	21.24	0.1330	20.74	0.1186
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average) (GT - LC = 0.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.55	0.2851	25.15	0.3273
Middle		1	0	24.35	0.2723	24.95	0.3126
Highest		1	0	24.71	0.2958	25.31	0.3396
Lowest	16QAM	1	0	23.80	0.2399	24.40	0.2754
Middle		1	0	23.96	0.2489	24.56	0.2858
Highest		1	0	23.62	0.2301	24.22	0.2642
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = 0.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.87	0.3069	25.47	0.3524
Middle		1	0	24.23	0.2649	24.83	0.3041
Highest		1	0	24.64	0.2911	25.24	0.3342
Lowest	16QAM	1	8	23.81	0.2404	24.41	0.2761
Middle		1	8	23.91	0.2460	24.51	0.2825
Highest		1	8	23.65	0.2317	24.25	0.2661
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = 0.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	24.45	0.2786	25.05	0.3199
Middle		1	24	24.77	0.2999	25.37	0.3443
Highest		1	24	24.67	0.2931	25.27	0.3365
Lowest	16QAM	1	0	23.79	0.2393	24.39	0.2748
Middle		1	0	23.90	0.2455	24.50	0.2818
Highest		1	0	23.89	0.2449	24.49	0.2812
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = 0.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.85	0.3055	25.45	0.3508
Middle		1	0	24.83	0.3041	25.43	0.3491
Highest		1	0	24.72	0.2965	25.32	0.3404
Lowest	16QAM	1	25	23.79	0.2393	24.39	0.2748
Middle		1	25	23.93	0.2472	24.53	0.2838
Highest		1	25	23.99	0.2506	24.59	0.2877
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average) (GT - LC = 0.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	24.88	0.3076	25.48	0.3532
Middle		1	74	24.67	0.2931	25.27	0.3365
Highest		1	74	24.62	0.2897	25.22	0.3327
Lowest	16QAM	1	0	23.93	0.2472	24.53	0.2838
Middle		1	0	24.00	0.2512	24.60	0.2884
Highest		1	0	24.00	0.2512	24.60	0.2884
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average) (GT - LC = 0.6 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.90	0.3090	25.50	0.3548
Middle		1	0	24.88	0.3076	25.48	0.3532
Highest		1	0	24.86	0.3062	25.46	0.3516
Lowest	16QAM	1	0	23.95	0.2483	24.55	0.2851
Middle		1	0	23.91	0.2460	24.51	0.2825
Highest		1	0	23.56	0.2270	24.16	0.2606
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = -2.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	3	24.26	0.2667	19.81	0.0957
Middle		3	3	24.28	0.2679	19.83	0.0962
Highest		3	3	24.39	0.2748	19.94	0.0986
Lowest	16QAM	1	5	23.48	0.2228	19.03	0.0800
Middle		1	5	23.47	0.2223	19.02	0.0798
Highest		1	5	23.58	0.2280	19.13	0.0818
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -2.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	24.34	0.2716	19.89	0.0975
Middle		1	8	24.12	0.2582	19.67	0.0927
Highest		1	8	24.35	0.2723	19.90	0.0977
Lowest	16QAM	1	0	23.42	0.2198	18.97	0.0789
Middle		1	0	23.47	0.2223	19.02	0.0798
Highest		1	0	23.62	0.2301	19.17	0.0826
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -2.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	24.32	0.2704	19.87	0.0971
Middle		1	12	24.18	0.2618	19.73	0.0940
Highest		1	12	24.41	0.2761	19.96	0.0991
Lowest	16QAM	1	12	23.65	0.2317	19.20	0.0832
Middle		1	12	23.45	0.2213	19.00	0.0794
Highest		1	12	23.70	0.2344	19.25	0.0841
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = -2.3 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	24.72	0.2965	20.27	0.1064
Middle		1	0	24.62	0.2897	20.17	0.1040
Highest		1	0	24.55	0.2851	20.10	0.1023
Lowest	16QAM	1	0	23.68	0.2333	19.23	0.0838
Middle		1	0	23.60	0.2291	19.15	0.0822
Highest		1	0	23.47	0.2223	19.02	0.0798
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 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	0	22.36	0.1722	22.46	0.1762
Middle		1	0	22.66	0.1845	22.76	0.1888
Highest		1	0	22.39	0.1734	22.49	0.1774
Lowest	16QAM	1	24	21.59	0.1442	21.69	0.1476
Middle		1	24	21.96	0.1570	22.06	0.1607
Highest		1	24	20.92	0.1236	21.02	0.1265
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 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	22.70	0.1862	22.80	0.1905
Middle		1	49	22.15	0.1641	22.25	0.1679
Highest		1	49	22.10	0.1622	22.20	0.1660
Lowest	16QAM	1	25	21.99	0.1581	22.09	0.1618
Middle		1	25	21.92	0.1556	22.02	0.1592
Highest		1	25	21.63	0.1455	21.73	0.1489
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 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	22.70	0.1862	22.80	0.1905
Middle		1	0	22.44	0.1754	22.54	0.1795
Highest		1	0	21.96	0.1570	22.06	0.1607
Lowest	16QAM	1	37	21.81	0.1517	21.91	0.1552
Middle		1	37	21.86	0.1535	21.96	0.1570
Highest		1	37	21.74	0.1493	21.84	0.1528
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 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	22.84	0.1923	22.94	0.1968
Middle		1	49	22.55	0.1799	22.65	0.1841
Highest		1	49	22.52	0.1786	22.62	0.1828
Lowest	16QAM	1	99	21.81	0.1517	21.91	0.1552
Middle		1	99	22.00	0.1585	22.10	0.1622
Highest		1	99	21.89	0.1545	21.99	0.1581
Limit	EIRP < 2W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = -5.7 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	23.07	0.2028	15.22	0.0333
Middle		3	1	23.14	0.2061	15.29	0.0338
Highest		3	1	23.12	0.2051	15.27	0.0337
Lowest	16QAM	1	3	22.29	0.1694	14.44	0.0278
Middle		1	3	22.39	0.1734	14.54	0.0284
Highest		1	3	22.14	0.1637	14.29	0.0269
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = -5.7 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	22.94	0.1968	15.09	0.0323
Middle		1	8	22.97	0.1982	15.12	0.0325
Highest		1	8	23.14	0.2061	15.29	0.0338
Lowest	16QAM	1	8	22.25	0.1679	14.40	0.0275
Middle		1	8	22.19	0.1656	14.34	0.0272
Highest		1	8	22.34	0.1714	14.49	0.0281
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = -5.7 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.05	0.2018	15.20	0.0331
Middle		1	0	22.96	0.1977	15.11	0.0324
Highest		1	0	22.89	0.1945	15.04	0.0319
Lowest	16QAM	1	12	22.21	0.1663	14.36	0.0273
Middle		1	12	22.41	0.1742	14.56	0.0286
Highest		1	12	22.13	0.1633	14.28	0.0268
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = -5.7 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	23.31	0.2143	15.46	0.0352
Middle		1	25	23.21	0.2094	15.36	0.0344
Highest		1	25	23.18	0.2080	15.33	0.0341
Lowest	16QAM	1	25	22.48	0.1770	14.63	0.0290
Middle		1	25	22.50	0.1778	14.65	0.0292
Highest		1	25	22.45	0.1758	14.60	0.0288
Limit	ERP < 3W			Result		PASS	



LTE Band 13 / 5MHz (Average) (GT - LC = -3.8 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	24.09	0.2564	18.14	0.0652
Middle		1	0	24.08	0.2559	18.13	0.0650
Highest		1	0	24.03	0.2529	18.08	0.0643
Lowest	16QAM	1	12	23.28	0.2128	17.33	0.0541
Middle		1	12	23.25	0.2113	17.30	0.0537
Highest		1	12	23.29	0.2133	17.34	0.0542
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = -3.8 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	24.10	0.2570	18.15	0.0653
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	25	23.30	0.2138	17.35	0.0543
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	



LTE Band 17 / 5MHz (Average) (GT - LC = -5.7 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	24.07	0.2553	16.22	0.0419
Middle		1	0	23.98	0.2500	16.13	0.0410
Highest		1	0	23.97	0.2495	16.12	0.0409
Lowest	16QAM	1	12	23.30	0.2138	15.45	0.0351
Middle		1	12	23.29	0.2133	15.44	0.0350
Highest		1	12	23.17	0.2075	15.32	0.0340
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average) (GT - LC = -5.7 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	24.30	0.2692	16.45	0.0442
Middle		1	49	24.28	0.2679	16.43	0.0440
Highest		1	49	24.25	0.2661	16.40	0.0437
Lowest	16QAM	1	25	23.50	0.2239	15.65	0.0367
Middle		1	25	23.45	0.2213	15.60	0.0363
Highest		1	25	23.43	0.2203	15.58	0.0361
Limit	ERP < 3W			Result		PASS	

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

LTE Band 2 / 1.4MHz / 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	-49.32	-13	-36.32	-44.7	-55.89	1.67	8.24	H
	5550	-44.48	-13	-31.48	-47.1	-51.55	2.65	9.72	H
	11100	-51.48	-13	-38.48	-62.34	-61.25	2.69	12.46	H
									H
									H
	3702	-49.75	-13	-36.75	-44.89	-56.32	1.67	8.24	V
	5550	-45.86	-13	-32.86	-48.08	-52.93	2.65	9.72	V
	11100	-51.45	-13	-38.45	-61.98	-61.22	2.69	12.46	V
									V
									V
Middle	3762	-49.35	-13	-36.35	-44.68	-55.98	1.69	8.31	H
	5640	-47.76	-13	-34.76	-50.78	-54.81	2.71	9.76	H
	11278	-50.66	-13	-37.66	-62.1	-60.36	2.68	12.39	H
									H
									H
									H
									H
	3762	-54.35	-13	-41.35	-49.65	-60.98	1.69	8.31	V
	5640	-49.58	-13	-36.58	-52.65	-56.63	2.71	9.76	V
	11278	-50.57	-13	-37.57	-61.98	-60.27	2.68	12.39	V
									V
									V
									V
									V



Highest	3816	-44.83	-13	-31.83	-39.83	-51.51	1.70	8.38	H
	5724	-42.68	-13	-29.68	-46.14	-49.72	2.75	9.79	H
	11457	-51.23	-13	-38.23	-63.51	-60.86	2.68	12.32	H
									H
									H
									H
									H
	3816	-48.01	-13	-35.01	-43.25	-54.69	1.70	8.38	V
	5730	-45.78	-13	-32.78	-49.08	-52.81	2.76	9.79	V
	11457	-49.03	-13	-36.03	-61.31	-58.66	2.68	12.32	V
									V
									V
									V
									V

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



LTE Band 2 / 3MHz / 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	-49.84	-13	-36.84	-45.22	-56.41	1.67	8.24	H
	5550	-47.11	-13	-34.11	-49.68	-54.18	2.65	9.72	H
	11100	-50.45	-13	-37.45	-61.33	-60.22	2.69	12.46	H
									H
									H
									H
									H
	3702	-51.25	-13	-38.25	-46.66	-57.82	1.67	8.24	V
	5550	-47.34	-13	-34.34	-50	-54.41	2.65	9.72	V
	11100	-48.72	-13	-35.72	-59.41	-58.49	2.69	12.46	V
									V
									V
									V
									V
Middle	3756	-47.56	-13	-34.56	-42.83	-54.18	1.68	8.31	H
	5634	-47.53	-13	-34.53	-50.41	-54.58	2.70	9.75	H
	11268	-51.45	-13	-38.45	-62.91	-61.16	2.68	12.39	H
									H
									H
									H
									H
	3756	-52.23	-13	-39.23	-47.59	-58.85	1.68	8.31	V
	5634	-50.56	-13	-37.56	-53.59	-57.61	2.70	9.75	V
	11268	-50.45	-13	-37.45	-61.87	-60.16	2.68	12.39	V
									V
									V
									V
									V



Highest	3816	-47.77	-13	-34.77	-42.91	-54.45	1.70	8.38	H
	5724	-45.39	-13	-32.39	-48.87	-52.43	2.75	9.79	H
	11446.5	-52.12	-13	-39.12	-64.16	-61.76	2.68	12.32	H
									H
									H
									H
									H
	3816	-51.45	-13	-38.45	-46.73	-58.13	1.70	8.38	V
	5724	-47.05	-13	-34.05	-50.51	-54.09	2.75	9.79	V
	11446.5	-51.85	-13	-38.85	-63.98	-61.49	2.68	12.32	V
									V
									V
									V
									V

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



LTE Band 2 / 5MHz / 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	-50.36	-13	-37.36	-45.58	-56.93	1.67	8.24	H
	5550	-46.62	-13	-33.62	-49.09	-53.69	2.65	9.72	H
	7400	-61.43	-13	-48.43	-65.3	-70.57	2.46	11.60	H
	11100	-52.26	-13	-39.26	-62.99	-62.03	2.69	12.46	H
									H
									H
									H
	3702	-54.57	-13	-41.57	-49.8	-61.14	1.67	8.24	V
	5550	-47.36	-13	-34.36	-49.82	-54.43	2.65	9.72	V
	7400	-61.33	-13	-48.33	-65.41	-70.47	2.46	11.60	V
	11100	-50.86	-13	-37.86	-61.44	-60.63	2.69	12.46	V
									V
									V
									V
									V
Middle	3756	-48.11	-13	-35.11	-43.25	-54.73	1.68	8.31	H
	5634	-45.08	-13	-32.08	-48.03	-52.13	2.70	9.75	H
	7512	-60.84	-13	-47.84	-64.76	-70.22	2.43	11.81	H
	11268	-50.12	-13	-37.12	-61.51	-59.83	2.68	12.39	H
									H
									H
									H
	3756	-51.77	-13	-38.77	-46.92	-58.39	1.68	8.31	V
	5634	-48.34	-13	-35.34	-51.24	-55.39	2.70	9.75	V
	7512	-60.98	-13	-47.98	-65.19	-70.36	2.43	11.81	V
	11268	-50.86	-13	-37.86	-62.14	-60.57	2.68	12.39	V
									V
									V
									V
									V



Highest	3816	-47.86	-13	-34.86	-43.05	-54.54	1.70	8.38	H
	5718	-42.35	-13	-29.35	-45.62	-49.39	2.75	9.79	H
	11436	-52.15	-13	-39.15	-64.19	-61.79	2.68	12.33	H
									H
									H
									H
									H
	3180	-52.32	-13	-39.32	-47.41	-57.41	1.50	6.59	V
	5718	-48.63	-13	-35.63	-52.16	-55.67	2.75	9.79	V
	11436	-52.11	-13	-39.11	-64.14	-61.75	2.68	12.33	V
									V
									V
									V
									V

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



LTE Band 2 / 10MHz / 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	-50.17	-13	-37.17	-45.35	-56.74	1.67	8.24	H
	5550	-47.35	-13	-34.35	-49.87	-54.42	2.65	9.72	H
	7404	-60.69	-13	-47.69	-64.57	-69.84	2.46	11.61	H
	11100	-52.36	-13	-39.36	-63.07	-62.13	2.69	12.46	H
									H
									H
									H
	3702	-49.46	-13	-36.46	-44.67	-56.03	1.67	8.24	V
	5550	-47.79	-13	-34.79	-50.29	-54.86	2.65	9.72	V
	7404	-59.96	-13	-46.96	-64.01	-69.11	2.46	11.61	V
	11100	-50.98	-13	-37.98	-61.55	-60.75	2.69	12.46	V
									V
									V
									V
Middle	3750	-49.76	-13	-36.76	-44.94	-56.38	1.68	8.30	H
	5628	-40.84	-13	-27.84	-43.69	-47.89	2.70	9.75	H
	7500	-60.88	-13	-47.88	-64.78	-70.25	2.43	11.80	H
	11257	-51.24	-13	-38.24	-62.59	-60.95	2.69	12.40	H
									H
									H
									H
	3750	-51.47	-13	-38.47	-46.59	-58.09	1.68	8.30	V
	5628	-49.58	-13	-36.58	-52.4	-56.63	2.70	9.75	V
	7500	-60.97	-13	-47.97	-65.12	-70.34	2.43	11.80	V
	11257	-49.92	-13	-36.92	-61.15	-59.63	2.69	12.40	V
									V
									V
									V



Highest	3804	-48.71	-13	-35.71	-43.77	-55.38	1.70	8.36	H
	5700	-40.94	-13	-27.94	-44.03	-47.98	2.74	9.78	H
	7600	-60.29	-13	-47.29	-64.51	-69.75	2.40	11.86	H
	11400	-51.56	-13	-38.56	-63.51	-61.22	2.68	12.34	H
									H
									H
									H
	3804	-50.26	-13	-37.26	-45.34	-56.93	1.70	8.36	V
	5700	-46.84	-13	-33.84	-49.97	-53.88	2.74	9.78	V
	7600	-59.87	-13	-46.87	-64.36	-69.33	2.40	11.86	V
	11400	-49.67	-13	-36.67	-61.56	-59.33	2.68	12.34	V
									V
									V
									V

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



LTE Band 2 / 15MHz / 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	-51.25	-13	-38.25	-46.44	-57.82	1.67	8.24	H
	5550	-45.77	-13	-32.77	-48.27	-52.84	2.65	9.72	H
	7404	-60.57	-13	-47.57	-64.41	-69.72	2.46	11.61	H
	11110	-49.78	-13	-36.78	-60.56	-59.55	2.69	12.46	H
									H
									H
									H
	3702	-51.87	-13	-38.87	-47.11	-58.44	1.67	8.24	V
	5550	-46.18	-13	-33.18	-48.68	-53.25	2.65	9.72	V
	7404	-59.24	-13	-46.24	-63.32	-68.39	2.46	11.61	V
	11110	-51.27	-13	-38.27	-61.87	-61.04	2.69	12.46	V
									V
									V
									V
Middle	3750	-49.35	-13	-36.35	-44.51	-55.97	1.68	8.30	H
	5622	-43.14	-13	-30.14	-46	-50.19	2.70	9.75	H
	7494	-61.31	-13	-48.31	-65.06	-70.67	2.43	11.79	H
	11236	-50.77	-13	-37.77	-62.02	-60.49	2.69	12.41	H
									H
									H
									H
	3750	-52.07	-13	-39.07	-47.26	-58.69	1.68	8.30	V
	5622	-48.74	-13	-35.74	-51.54	-55.79	2.70	9.75	V
	7494	-60.77	-13	-47.77	-64.86	-70.13	2.43	11.79	V
	11236	-48.95	-13	-35.95	-60.12	-58.67	2.69	12.41	V
									V
									V
									V
									V



Highest	3792	-50.33	-13	-37.33	-45.39	-56.98	1.70	8.35	H
	5688	-44.38	-13	-31.38	-47.52	-51.42	2.73	9.78	H
	7578	-60.88	-13	-47.88	-65.06	-70.32	2.40	11.85	H
	11373	-52.18	-13	-39.18	-63.95	-61.85	2.68	12.35	H
									H
									H
									H
	3792	-53.87	-13	-40.87	-48.99	-60.52	1.70	8.35	V
	5688	-45.84	-13	-32.84	-48.97	-52.88	2.73	9.78	V
	7578	-60.53	-13	-47.53	-64.98	-69.97	2.40	11.85	V
	11373	-50.91	-13	-37.91	-62.67	-60.58	2.68	12.35	V
									V
									V
									V

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



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	-50.38	-13	-37.38	-45.56	-56.95	1.67	8.24	H
	5556	-42.18	-13	-29.18	-44.67	-49.25	2.66	9.72	H
	7400	-61.38	-13	-48.38	-65.2	-70.52	2.46	11.60	H
	11110	-51.94	-13	-38.94	-62.75	-61.71	2.69	12.46	H
									H
									H
									H
	3702	-51.86	-13	-38.86	-47.03	-58.43	1.67	8.24	V
	5556	-44.84	-13	-31.84	-47.29	-51.91	2.66	9.72	V
	7400	-60.77	-13	-47.77	-64.76	-69.91	2.46	11.60	V
	11110	-49.97	-13	-36.97	-60.63	-59.74	2.69	12.46	V
									V
									V
									V
Middle	3744	-51.86	-13	-38.86	-47.02	-58.47	1.68	8.29	H
	5616	-41.77	-13	-28.77	-44.63	-48.82	2.69	9.75	H
	7482	-60.89	-13	-47.89	-64.78	-70.22	2.44	11.76	H
	11226	-50.36	-13	-37.36	-61.65	-60.08	2.69	12.41	H
									H
									H
									H
	3744	-56.07	-13	-43.07	-51.22	-62.68	1.68	8.29	V
	5616	-44.68	-13	-31.68	-47.47	-51.73	2.69	9.75	V
	7482	-60.69	-13	-47.69	-64.74	-70.02	2.44	11.76	V
	11226	-49.96	-13	-36.96	-61.08	-59.68	2.69	12.41	V
									V
									V
									V



Highest	3780	-47.67	-13	-34.67	-42.77	-54.31	1.69	8.34	H
	5676	-44.68	-13	-31.68	-47.71	-51.72	2.73	9.77	H
	7560	-61.36	-13	-48.36	-65.45	-70.79	2.41	11.84	H
	11352	-51.56	-13	-38.56	-63.23	-61.24	2.68	12.36	H
									H
									H
									H
	3780	-51.07	-13	-38.07	-46.21	-57.71	1.69	8.34	V
	5676	-46.44	-13	-33.44	-49.56	-53.48	2.73	9.77	V
	7560	-61.08	-13	-48.08	-65.46	-70.51	2.41	11.84	V
	11352	-49.47	-13	-36.47	-61.1	-59.15	2.68	12.36	V
									V
									V
									V

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



LTE Band 4

LTE Band 4 / 1.4MHz / 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	-51.37	-13	-38.37	-46.63	-57.44	1.58	7.65	H
	5130	-42.22	-13	-29.22	-42.26	-49.51	2.41	9.70	H
	6840	-60.66	-13	-47.66	-64.85	-68.63	2.64	10.61	H
									H
									H
									H
									H
	3420	-56.54	-13	-43.54	-51.82	-62.61	1.58	7.65	V
	5130	-46.84	-13	-33.84	-46.7	-54.13	2.41	9.70	V
	6840	-60.46	-13	-47.46	-64.61	-68.43	2.64	10.61	V
									V
									V
									V
									V
Middle	3462	-51.42	-13	-38.42	-46.91	-57.66	1.59	7.83	H
	5196	-47.31	-13	-34.31	-47.73	-54.56	2.45	9.70	H
	6924	-61.32	-13	-48.32	-65.61	-69.41	2.62	10.71	H
									H
									H
									H
									H
	3462	-57.77	-13	-44.77	-53.1	-64.01	1.59	7.83	V
	5196	-50.26	-13	-37.26	-50.63	-57.51	2.45	9.70	V
	6924	-61.42	-13	-48.42	-65.71	-69.51	2.62	10.71	V
									V
									V
									V
									V



Highest	3510	-48.67	-13	-35.67	-44.24	-55.07	1.61	8.01	H
	5262	-44.37	-13	-31.37	-45.22	-51.58	2.49	9.70	H
	7014	-59.98	-13	-46.98	-63.96	-68.22	2.59	10.83	H
									H
									H
									H
									H
	3510	-57.06	-13	-44.06	-52.53	-63.46	1.61	8.01	V
	5262	-48.68	-13	-35.68	-49.42	-55.89	2.49	9.70	V
	7014	-59.33	-13	-46.33	-63.27	-67.57	2.59	10.83	V
									V
									V
									V
									V

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



LTE Band 4 / 3MHz / 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	-51.95	-13	-38.95	-47.41	-58.02	1.58	7.65	H
	5130	-43.42	-13	-30.42	-43.66	-50.71	2.41	9.70	H
	6840	-60.75	-13	-47.75	-65.11	-68.72	2.64	10.61	H
									H
									H
									H
									H
	3420	-56.99	-13	-43.99	-52.43	-63.06	1.58	7.65	V
	5130	-47.73	-13	-34.73	-47.72	-55.02	2.41	9.70	V
	6840	-61.02	-13	-48.02	-65.34	-68.99	2.64	10.61	V
									V
									V
									V
									V
Middle	3462	-51.88	-13	-38.88	-47.58	-58.12	1.59	7.83	H
	5196	-46.36	-13	-33.36	-46.97	-53.61	2.45	9.70	H
	6924	-61.46	-13	-48.46	-65.54	-69.55	2.62	10.71	H
									H
									H
									H
									H
	3462	-58.42	-13	-45.42	-53.9	-64.66	1.59	7.83	V
	5196	-50.11	-13	-37.11	-50.5	-57.36	2.45	9.70	V
	6924	-60.93	-13	-47.93	-65.13	-69.02	2.62	10.71	V
									V
									V
									V
									V



Highest	3504	-51.13	-13	-38.13	-46.88	-57.53	1.61	8.00	H
	5256	-44.21	-13	-31.21	-45.09	-51.43	2.48	9.70	H
	7008	-60.54	-13	-47.54	-64.51	-68.77	2.59	10.82	H
									H
									H
									H
									H
	3504	-58.37	-13	-45.37	-53.95	-64.77	1.61	8.00	V
	5256	-47.89	-13	-34.89	-48.74	-55.11	2.48	9.70	V
	7008	-58.99	-13	-45.99	-62.96	-67.22	2.59	10.82	V
									V
									V
									V
									V

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



LTE Band 4 / 5MHz / 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	-51.59	-13	-38.59	-46.86	-57.66	1.58	7.65	H
	5130	-43.93	-13	-30.93	-44.11	-51.22	2.41	9.70	H
	6840	-59.69	-13	-46.69	-64.06	-67.66	2.64	10.61	H
									H
									H
									H
									H
	3420	-56.39	-13	-43.39	-51.77	-62.46	1.58	7.65	V
	5130	-49.59	-13	-36.59	-49.58	-56.88	2.41	9.70	V
	6840	-60.79	-13	-47.79	-65.13	-68.76	2.64	10.61	V
									V
									V
									V
									V
Middle	3462	-51.78	-13	-38.78	-47.26	-58.02	1.59	7.83	H
	5190	-46.94	-13	-33.94	-47.26	-54.19	2.45	9.70	H
	6924	-61.49	-13	-48.49	-65.75	-69.58	2.62	10.71	H
									H
									H
									H
									H
	3462	-57.33	-13	-44.33	-52.68	-63.57	1.59	7.83	V
	5190	-50.91	-13	-37.91	-51.26	-58.16	2.45	9.70	V
	6924	-61.48	-13	-48.48	-65.58	-69.57	2.62	10.71	V
									V
									V
									V
									V



Highest	3504	-51.99	-13	-38.99	-47.69	-58.39	1.61	8.00	H
	5250	-45.79	-13	-32.79	-46.56	-53.01	2.48	9.70	H
	7002	-59.34	-13	-46.34	-63.22	-67.55	2.59	10.80	H
									H
									H
									H
									H
	3504	-57.62	-13	-44.62	-53.12	-64.02	1.61	8.00	V
	5250	-48.59	-13	-35.59	-49.38	-55.81	2.48	9.70	V
	7002	-60.23	-13	-47.23	-64.27	-68.44	2.59	10.80	V
									V
									V
									V
									V

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



LTE Band 4 / 10MHz / 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	-56.51	-13	-43.51	-51.83	-62.58	1.58	7.65	H
	5130	-49.87	-13	-36.87	-50.03	-57.16	2.41	9.70	H
	6840	-61.47	-13	-48.47	-65.83	-69.44	2.64	10.61	H
									H
									H
									H
									H
	3420	-59.24	-13	-46.24	-54.48	-65.31	1.58	7.65	V
	5130	-50.54	-13	-37.54	-50.52	-57.83	2.41	9.70	V
	6840	-60.95	-13	-47.95	-65.28	-68.92	2.64	10.61	V
									V
									V
									V
									V
Middle	3465	-57.61	-13	-44.61	-53.11	-63.86	1.59	7.85	H
	5184	-51.05	-13	-38.05	-51.52	-58.31	2.44	9.70	H
	6912	-61.14	-13	-48.14	-65.46	-69.22	2.62	10.69	H
									H
									H
									H
									H
	3465	-58.76	-13	-45.76	-54.19	-65.01	1.59	7.85	V
	5184	-50.58	-13	-37.58	-50.69	-57.84	2.44	9.70	V
	6912	-59.93	-13	-46.93	-64.12	-68.01	2.62	10.69	V
									V
									V
									V
									V



Highest	3492	-55.35	-13	-42.35	-51.07	-61.71	1.60	7.96	H
	5238	-46.98	-13	-33.98	-47.73	-54.21	2.47	9.70	H
	6984	-61.58	-13	-48.58	-65.59	-69.77	2.60	10.78	H
									H
									H
									H
									H
	3492	-61.21	-13	-48.21	-56.8	-67.57	1.60	7.96	V
	5238	-50.45	-13	-37.45	-51.04	-57.68	2.47	9.70	V
	6984	-61.23	-13	-48.23	-65.36	-69.42	2.60	10.78	V
									V
									V
									V
									V

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



LTE Band 4 / 15MHz / 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	-58.25	-13	-45.25	-53.51	-64.32	1.58	7.65	H
	5130	-44.92	-13	-31.92	-45.18	-52.21	2.41	9.70	H
	6846	-59.78	-13	-46.78	-64.18	-67.76	2.64	10.62	H
									H
									H
									H
									H
	3420	-59.65	-13	-46.65	-54.98	-65.72	1.58	7.65	V
	5130	-52.68	-13	-39.68	-52.66	-59.97	2.41	9.70	V
	6846	-60.93	-13	-47.93	-65.17	-68.91	2.64	10.62	V
									V
									V
									V
									V
Middle	3450	-55.56	-13	-42.56	-51.15	-61.75	1.59	7.78	H
	5178	-43.68	-13	-30.68	-44.1	-50.94	2.44	9.70	H
	6900	-61.55	-13	-48.55	-65.88	-69.61	2.62	10.68	H
									H
									H
									H
									H
	3450	-59.87	-13	-46.87	-54.7	-66.06	1.59	7.78	V
	5178	-55.55	-13	-42.55	-55.66	-62.81	2.44	9.70	V
	6900	-61.77	-13	-48.77	-65.91	-69.83	2.62	10.68	V
									V
									V
									V
									V



Highest	3480	-59.02	-13	-46.02	-54.62	-65.33	1.60	7.91	H
	5220	-41.56	-13	-28.56	-42.1	-48.8	2.46	9.70	H
	6960	-61.64	-13	-48.64	-65.78	-69.79	2.60	10.75	H
									H
									H
									H
									H
	3480	-61.25	-13	-48.25	-56.72	-67.56	1.60	7.91	V
	5220	-51.33	-13	-38.33	-51.93	-58.57	2.46	9.70	V
	6960	-61.62	-13	-48.62	-65.86	-69.77	2.60	10.75	V
									V
									V
									V
									V

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



LTE Band 4 / 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	-51.61	-13	-38.61	-47.03	-57.68	1.58	7.65	H
	5136	-44.41	-13	-31.41	-44.52	-51.69	2.42	9.70	H
	6846	-60.46	-13	-47.46	-64.8	-68.44	2.64	10.62	H
									H
									H
									H
									H
	3420	-55.96	-13	-42.96	-51.27	-62.03	1.58	7.65	V
	5136	-48.74	-13	-35.74	-48.69	-56.02	2.42	9.70	V
	6846	-60.57	-13	-47.57	-64.95	-68.55	2.64	10.62	V
									V
									V
									V
									V
Middle	3450	-51.83	-13	-38.83	-47.4	-58.02	1.59	7.78	H
	5172	-46.53	-13	-33.53	-46.84	-53.79	2.44	9.70	H
	6894	-60.28	-13	-47.28	-64.5	-68.33	2.62	10.67	H
									H
									H
									H
									H
	3450	-55.83	-13	-42.83	-51.36	-62.02	1.59	7.78	V
	5172	-49.76	-13	-36.76	-49.86	-57.02	2.44	9.70	V
	6894	-60.72	-13	-47.72	-64.93	-68.77	2.62	10.67	V
									V
									V
									V
									V



Highest	3474	-55.04	-13	-42.04	-49.78	-61.33	1.60	7.89	H
	5208	-47.34	-13	-34.34	-47.93	-54.58	2.46	9.70	H
	6948	-61.65	-13	-48.65	-65.75	-69.78	2.61	10.74	H
									H
									H
									H
									H
	3474	-62.27	-13	-49.27	-54.76	-68.56	1.60	7.89	V
	5208	-49.98	-13	-36.98	-50.55	-57.22	2.46	9.70	V
	6948	-61.88	-13	-48.88	-65.97	-70.01	2.61	10.74	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 / 1.4MHz / 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	-57.45	-13	-44.45	-44.76	-59.21	0.98	4.89	H
	2472	-61.33	-13	-48.33	-54.19	-63.21	1.28	5.32	H
	3296	-61.31	-13	-48.31	-56.15	-64.72	1.54	7.10	H
									H
									H
									H
									H
	1648	-54.25	-13	-41.25	-41.95	-56.01	0.98	4.89	V
	2472	-58.34	-13	-45.34	-51.57	-60.22	1.28	5.32	V
	3296	-59.36	-13	-46.36	-54.5	-62.77	1.54	7.10	V
									V
									V
									V
									V
Middle	1672	-59.54	-13	-46.54	-47.18	-61.22	0.99	4.82	H
	2512	-61.62	-13	-48.62	-54.58	-63.59	1.29	5.41	H
	3344	-55.72	-13	-42.72	-50.91	-59.33	1.56	7.31	H
									H
									H
									H
									H
	1672	-55.73	-13	-42.73	-43.82	-57.41	0.99	4.82	V
	2512	-58.02	-13	-45.02	-51.27	-59.99	1.29	5.41	V
	3344	-54.98	-13	-41.98	-50.44	-58.59	1.56	7.31	V
									V
									V
									V
									V



Highest	1696	-57.79	-13	-44.79	-45.55	-59.39	1.00	4.75	H
	2544	-64.68	-13	-51.68	-57.64	-66.66	1.30	5.44	H
	3392	-51.97	-13	-38.97	-47.41	-55.77	1.57	7.52	H
									H
									H
									H
									H
	1696	-56.42	-13	-43.42	-44.65	-58.02	1.00	4.75	V
	2544	-62.71	-13	-49.71	-56.08	-64.69	1.30	5.44	V
	3392	-51.53	-13	-38.53	-47.04	-55.33	1.57	7.52	V
									V
									V
									V
									V

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



LTE Band 5 / 3MHz / 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	-56.63	-13	-43.63	-43.96	-58.39	0.98	4.89	H
	2472	-61.17	-13	-48.17	-54.02	-63.05	1.28	5.32	H
	3296	-61.68	-13	-48.68	-56.58	-65.09	1.54	7.10	H
									H
									H
									H
									H
	1648	-53.83	-13	-40.83	-41.57	-55.59	0.98	4.89	V
	2472	-57.95	-13	-44.95	-51.19	-59.83	1.28	5.32	V
	3296	-59.65	-13	-46.65	-54.8	-63.06	1.54	7.10	V
									V
									V
									V
									V
Middle	1672	-60.65	-13	-47.65	-48.32	-62.33	0.99	4.82	H
	2504	-61.29	-13	-48.29	-54.24	-63.25	1.29	5.41	H
	3344	-53.41	-13	-40.41	-48.43	-57.02	1.56	7.32	H
	4176	-61.57	-13	-48.57	-57.18	-66.19	1.87	8.64	H
									H
									H
									H
	1672	-57.43	-13	-44.43	-45.53	-59.11	0.99	4.82	V
	2504	-55.93	-13	-42.93	-49.27	-57.89	1.29	5.41	V
	3344	-52.05	-13	-39.05	-47.3	-55.66	1.56	7.32	V
	4176	-60.77	-13	-47.77	-56.59	-65.39	1.87	8.64	V
									V
									V
									V
									V



Highest	1696	-60.79	-13	-47.79	-48.66	-62.39	1.00	4.75	H
	2536	-61.68	-13	-48.68	-54.58	-63.66	1.30	5.43	H
	3384	-49.28	-13	-36.28	-44.61	-53.05	1.57	7.49	H
	4232	-60.69	-13	-47.69	-55.6	-65.29	1.89	8.65	H
									H
									H
									H
	1696	-59.42	-13	-46.42	-47.7	-61.02	1.00	4.75	V
	2536	-59.57	-13	-46.57	-52.93	-61.55	1.30	5.43	V
	3384	-48.25	-13	-35.25	-43.7	-52.02	1.57	7.49	V
	4232	-61.41	-13	-48.41	-57.19	-66.01	1.89	8.65	V
									V
									V
									V

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



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	-56.02	-13	-43.02	-43.16	-57.78	0.98	4.89	H
	2472	-61.25	-13	-48.25	-53.88	-63.13	1.28	5.32	H
	3296	-63.90	-13	-50.90	-58.81	-67.31	1.54	7.10	H
									H
									H
									H
									H
	1648	-52.67	-13	-39.67	-40.31	-54.43	0.98	4.89	V
	2472	-58.03	-13	-45.03	-51.29	-59.91	1.28	5.32	V
	3296	-63.12	-13	-50.12	-58.47	-66.53	1.54	7.10	V
									V
									V
									V
									V
Middle	1672	-61.45	-13	-48.45	-48.96	-63.13	0.99	4.82	H
	2504	-60.78	-13	-47.78	-53.57	-62.74	1.29	5.41	H
	3336	-57.24	-13	-44.24	-52.3	-60.82	1.56	7.32	H
									H
									H
									H
									H
	1672	-56.89	-13	-43.89	-44.97	-58.57	0.99	4.82	V
	2504	-59.96	-13	-46.96	-53.17	-61.92	1.29	5.41	V
	3336	-57.45	-13	-44.45	-52.82	-61.03	1.56	7.32	V
									V
									V
									V
									V



Highest	1688	-66.53	-13	-53.53	-54.08	-68.16	1.00	4.77	H
	2536	-48.85	-13	-35.85	-54.73	-50.83	1.30	5.43	H
	3376	-56.05	-13	-43.05	-51.3	-59.79	1.57	7.45	H
									H
									H
									H
									H
	1688	-63.45	-13	-50.45	-51.58	-65.08	1.00	4.77	V
	2536	-60.51	-13	-47.51	-53.9	-62.49	1.30	5.43	V
	3376	-54.89	-13	-41.89	-50.23	-58.63	1.57	7.45	V
									V
									V
									V
									V

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



LTE Band 5 / 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	1648	-55.78	-13	-42.78	-43.05	-57.54	0.98	4.89	H
	2472	-62.01	-13	-49.01	-54.58	-63.89	1.28	5.32	H
	3296	-64.23	-13	-51.23	-59.24	-67.64	1.54	7.10	H
									H
									H
									H
									H
	1648	-53.23	-13	-40.23	-40.79	-54.99	0.98	4.89	V
	2472	-59.65	-13	-46.65	-52.83	-61.53	1.28	5.32	V
	3296	-62.56	-13	-49.56	-57.83	-65.97	1.54	7.10	V
									V
									V
									V
									V
Middle	1664	-62.31	-13	-49.31	-49.75	-69.27	0.98	4.84	H
	3496	-60.23	-13	-47.23	-53.1	-50.41	1.29	5.39	H
	3328	-53.61	-13	-40.61	-48.79	-70.38	1.55	7.24	H
	4160	-62.54	-13	-49.54	-57.77	-67.17	1.85	8.63	H
									H
									H
									H
	1664	-58.35	-13	-45.35	-46.09	-70.47	0.98	4.84	V
	2496	-57.26	-13	-44.26	-50.45	-53.79	1.29	5.39	V
	3328	-54.12	-13	-41.12	-49.27	-70.31	1.55	7.24	V
	4160	-61.58	-13	-48.58	-57.25	-66.21	1.85	8.63	V
									V
									V
									V
									V



Highest	1680	-60.78	-13	-47.78	-48.39	-62.43	0.99	4.80	H
	2520	-62.07	-13	-49.07	-54.87	-64.04	1.30	5.42	H
	3360	-60.12	-13	-47.12	-55.17	-63.79	1.56	7.38	H
									H
									H
									H
									H
	1680	-57.23	-13	-44.23	-45.36	-58.88	0.99	4.80	V
	2520	-58.12	-13	-45.12	-51.24	-60.09	1.30	5.42	V
	3360	-60.24	-13	-47.24	-55.61	-63.91	1.56	7.38	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 / 5MHz / 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	5004	-55.66	-25	-30.66	-54.97	-63.02	2.34	9.70	H
	7500	-61.39	-25	-36.39	-65.47	-70.76	2.43	11.80	H
	10008	-50.11	-25	-25.11	-57.65	-59.62	2.70	12.20	H
									H
									H
									H
									H
	5004	-61.35	-25	-36.35	-60.53	-68.71	2.34	9.70	V
	7500	-61.65	-25	-36.65	-65.81	-71.02	2.43	11.80	V
	10008	-49.61	-25	-24.61	-57.26	-59.12	2.70	12.20	V
									V
									V
									V
									V
Middle	5064	-54.68	-25	-29.68	-54.28	-62.01	2.37	9.70	H
	7596	-58.57	-25	-33.57	-62.94	-68.03	2.40	11.86	H
	10134	-46.99	-25	-21.99	-55.04	-56.55	2.70	12.25	H
									H
									H
									H
									H
	5064	-57.83	-25	-32.83	-57.48	-65.16	2.37	9.70	V
	7596	-57.56	-25	-32.56	-62.17	-67.02	2.40	11.86	V
	10134	-51.45	-25	-26.45	-59.29	-61.01	2.70	12.25	V
									V
									V
									V
									V



Highest	5130	-52.93	-25	-27.93	-53.8	-60.22	2.41	9.70	H
	7698	-58.33	-25	-33.33	-62.95	-67.88	2.37	11.92	H
	10260	-48.43	-25	-23.43	-56.63	-58.04	2.69	12.30	H
									H
									H
									H
									H
	5130	-56.49	-25	-31.49	-56.57	-63.78	2.41	9.70	V
	7698	-57.84	-25	-32.84	-62.86	-67.39	2.37	11.92	V
	10260	-50.41	-25	-25.41	-58.41	-60.02	2.69	12.30	V
									V
									V
									V
									V

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



LTE Band 7 / 10MHz / 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	5004	-56.08	-25	-31.08	-55.58	-63.44	2.34	9.70	H
	7500	-61.44	-25	-36.44	-65.35	-70.81	2.43	11.80	H
	10008	-50.72	-25	-25.72	-58.34	-60.23	2.70	12.20	H
									H
									H
									H
									H
	5004	-60.65	-25	-35.65	-59.85	-68.01	2.34	9.70	V
	7500	-61.29	-25	-36.29	-65.56	-70.66	2.43	11.80	V
	10008	-50.85	-25	-25.85	-58.48	-60.36	2.70	12.20	V
									V
									V
									V
									V
Middle	5064	-54.78	-25	-29.78	-54.56	-62.11	2.37	9.70	H
	7590	-57.94	-25	-32.94	-62.29	-67.39	2.40	11.85	H
	10116	-50.14	-25	-25.14	-57.93	-59.69	2.70	12.25	H
									H
									H
									H
									H
	5064	-58.69	-25	-33.69	-58.1	-66.02	2.37	9.70	V
	7590	-58.57	-25	-33.57	-62.91	-68.02	2.40	11.85	V
	10116	-50.33	-25	-25.33	-57.94	-59.88	2.70	12.25	V
									V
									V
									V
									V



Highest	5124	-53.42	-25	-28.42	-53.64	-60.71	2.41	9.70	H
	7680	-58.47	-25	-33.47	-62.91	-68.01	2.37	11.91	H
	10242	-49.55	-25	-24.55	-57.79	-59.15	2.69	12.30	H
									H
									H
									H
									H
	5124	-55.73	-25	-30.73	-55.7	-63.02	2.41	9.70	V
	7680	-57.79	-25	-32.79	-62.65	-67.33	2.37	11.91	V
	10242	-50.42	-25	-25.42	-58.44	-60.02	2.69	12.30	V
									V
									V
									V
									V

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



LTE Band 7 / 15MHz / 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	5004	-57.19	-25	-32.19	-56.77	-64.55	2.34	9.70	H
	7500	-59.64	-25	-34.64	-63.47	-69.01	2.43	11.80	H
	10008	-49.26	-25	-24.26	-56.93	-58.77	2.70	12.20	H
									H
									H
									H
									H
	5004	-60.64	-25	-35.64	-60.1	-68	2.34	9.70	V
	7500	-61.64	-25	-36.64	-65.78	-71.01	2.43	11.80	V
	10008	-49.51	-25	-24.51	-57.11	-59.02	2.70	12.20	V
									V
									V
									V
									V
Middle	5058	-54.04	-25	-29.04	-53.84	-61.37	2.37	9.70	H
	7584	-59.43	-25	-34.43	-63.62	-68.88	2.40	11.85	H
	10116	-49.47	-25	-24.47	-57.37	-59.02	2.70	12.25	H
									H
									H
									H
									H
	5058	-57.12	-25	-32.12	-56.75	-64.45	2.37	9.70	V
	7584	-59.04	-25	-34.04	-63.64	-68.49	2.40	11.85	V
	10116	-50.49	-25	-25.49	-58.3	-60.04	2.70	12.25	V
									V
									V
									V
									V



Highest	5112	-55.92	-25	-30.92	-56.08	-63.22	2.40	9.70	H
	7668	-58.06	-25	-33.06	-62.65	-67.59	2.38	11.90	H
	10224	-49.96	-25	-24.96	-58.09	-59.55	2.69	12.29	H
									H
									H
									H
									H
	5112	-55.52	-25	-30.52	-55.48	-62.82	2.40	9.70	V
	7668	-59.24	-25	-34.24	-63.99	-68.77	2.38	11.90	V
	10224	-51.96	-25	-26.96	-60	-61.55	2.69	12.29	V
									V
									V
									V
									V

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



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	5004	-57.56	-25	-32.56	-56.94	-64.92	2.34	9.70	H
	7506	-60.88	-25	-35.88	-64.85	-70.26	2.43	11.80	H
	10008	-52.47	-25	-27.47	-60	-61.98	2.70	12.20	H
	12510	-52.37	-25	-27.37	-64.81	-61.98	2.81	12.41	H
	15012	-52.72	-25	-27.72	-65.58	-62.73	3.60	13.62	H
	17514	-54.49	-25	-29.49	-71.16	-64.87	3.81	14.19	H
									H
	5004	-60.28	-25	-35.28	-59.44	-67.64	2.34	9.70	V
	7506	-60.28	-25	-35.28	-64.4	-69.66	2.43	11.80	V
	10008	-51.42	-25	-26.42	-58.87	-60.93	2.70	12.20	V
	12510	-50.22	-25	-25.22	-61.85	-59.83	2.81	12.41	V
	15012	-56.18	-25	-31.18	-69.28	-66.19	3.60	13.62	V
	17514	-52.78	-25	-27.78	-69.73	-63.16	3.81	14.19	V
									V
Middle	5052	-54.78	-25	-29.78	-54.48	-62.11	2.37	9.70	H
	7578	-59.05	-25	-34.05	-63.41	-68.49	2.40	11.85	H
	10098	-49.67	-25	-24.67	-57.49	-59.21	2.70	12.24	H
									H
									H
									H
									H
	5052	-56.89	-25	-31.89	-56.42	-64.22	2.37	9.70	V
	7578	-59.33	-25	-34.33	-63.8	-68.77	2.40	11.85	V
	10098	-51.79	-25	-26.79	-59.59	-61.33	2.70	12.24	V
									V
									V
									V
									V



Highest	5100	-55.28	-25	-30.28	-55.12	-62.59	2.39	9.70	H
	7656	-59.52	-25	-34.52	-64.1	-69.03	2.38	11.89	H
	10206	-49.74	-25	-24.74	-57.84	-59.33	2.70	12.28	H
									H
									H
									H
									H
	5100	-54.91	-25	-29.91	-54.65	-62.22	2.39	9.70	V
	7656	-59.08	-25	-34.08	-63.88	-68.59	2.38	11.89	V
	10206	-50.18	-25	-25.18	-58.22	-59.77	2.70	12.28	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 / 1.4MHz / 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	-65.78	-13	-52.78	-51.37	-67.44	0.87	4.68	H
	2096	-60.05	-13	-47.05	-50.77	-60.92	1.16	4.19	H
	2800	-52.63	-13	-39.63	-46.13	-54.74	1.38	5.64	H
	3496	-55.86	-13	-42.86	-51.26	-60.09	1.60	7.98	H
	4192	-54.67	-13	-41.67	-50.30	-59.29	1.87	8.64	H
	4896	-61.45	-13	-48.45	-60.31	-66.51	2.28	9.49	H
									H
	1400	-63.36	-13	-50.36	-49.49	-65.02	0.87	4.68	V
	2096	-59.11	-13	-46.11	-49.56	-59.98	1.16	4.19	V
	2800	-46.97	-13	-33.97	-41.19	-49.08	1.38	5.64	V
	3496	-54.01	-13	-41.01	-49.37	-58.24	1.60	7.98	V
	4200	-51.33	-13	-38.33	-47.13	-55.94	1.88	8.64	V
	4896	-60.21	-13	-47.21	-59.78	-65.27	2.28	9.49	V
									V
Middle	1416	-58.42	-13	-45.42	-44.11	-60.17	0.87	4.78	H
	2120	-64.12	-13	-51.12	-54.96	-65.06	1.17	4.26	H
	2832	-50.23	-13	-37.23	-43.67	-52.35	1.39	5.67	H
	3536	-53.73	-13	-40.73	-49.46	-58.01	1.62	8.04	H
	4240	-55.51	-13	-42.51	-51.33	-60.11	1.90	8.65	H
	4952	-59.03	-13	-46.03	-57.36	-64.17	2.31	9.60	H
									H
	1416	-58.12	-13	-45.12	-44.20	-59.87	0.87	4.78	V
	2120	-62.35	-13	-49.35	-53.71	-63.29	1.17	4.26	V
	2832	-45.02	-13	-32.02	-39.38	-47.14	1.39	5.67	V
	3536	-52.83	-13	-39.83	-48.35	-57.11	1.62	8.04	V
	4240	-54.33	-13	-41.33	-50.35	-58.93	1.90	8.65	V
	4952	-55.98	-13	-42.98	-54.93	-61.12	2.31	9.60	V
									V



Highest	1432	-64.32	-13	-51.32	-49.87	-66.17	0.88	4.88	H
	2144	-64.28	-13	-51.28	-55.36	-65.28	1.18	4.33	H
	2856	-54.72	-13	-41.72	-48.29	-56.85	1.40	5.68	H
	3576	-56.84	-13	-43.84	-52.27	-61.15	1.63	8.09	H
	4288	-58.21	-13	-45.21	-54.18	-62.79	1.93	8.66	H
	5008	-57.26	-13	-44.26	-56.79	-62.47	2.34	9.70	H
									H
	1432	-63.88	-13	-50.88	-50.10	-65.73	0.88	4.88	V
	2144	-63.11	-13	-50.11	-54.25	-64.11	1.18	4.33	V
	2856	-48.66	-13	-35.66	-43.05	-50.79	1.40	5.68	V
	3576	-54.22	-13	-41.22	-49.72	-58.53	1.63	8.09	V
	4288	-59.05	-13	-46.05	-55.09	-63.63	1.93	8.66	V
	5008	-56.12	-13	-43.12	-55.37	-61.33	2.34	9.70	V
									V

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



LTE Band 12 / 3MHz / 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	-64.33	-13	-51.33	-49.86	-65.99	0.87	4.68	H
	2096	-60.68	-13	-47.68	-51.56	-61.55	1.16	4.19	H
	2800	-51.83	-13	-38.83	-45.18	-53.94	1.38	5.64	H
	3496	-56.21	-13	-43.21	-51.93	-60.44	1.60	7.98	H
	4192	-53.83	-13	-40.83	-49.32	-58.45	1.87	8.64	H
	4896	-61.23	-13	-48.23	-60.10	-66.29	2.28	9.49	H
									H
	1400	-61.45	-13	-48.45	-47.59	-63.11	0.87	4.68	V
	2096	-57.02	-13	-44.02	-48.03	-57.89	1.16	4.19	V
	2800	-46.45	-13	-33.45	-40.66	-48.56	1.38	5.64	V
	3496	-54.23	-13	-41.23	-49.82	-58.46	1.60	7.98	V
	4200	-52.48	-13	-39.48	-48.21	-57.09	1.88	8.64	V
	4896	-60.79	-13	-47.79	-59.37	-65.85	2.28	9.49	V
									V
Middle	1416	-61.38	-13	-48.38	-46.90	-63.13	0.87	4.78	H
	2120	-63.87	-13	-50.87	-54.81	-64.81	1.17	4.26	H
	2824	-50.66	-13	-37.66	-43.80	-52.77	1.39	5.66	H
	3528	-53.36	-13	-40.36	-49.05	-57.63	1.61	8.03	H
	4240	-56.12	-13	-43.12	-51.72	-60.72	1.90	8.65	H
	4944	-57.89	-13	-44.89	-57.02	-63.02	2.30	9.59	H
									H
	1416	-59.64	-13	-46.64	-45.75	-61.39	0.87	4.78	V
	2120	-62.73	-13	-49.73	-54.04	-63.67	1.17	4.26	V
	2824	-45.41	-13	-32.41	-39.50	-47.53	1.39	5.66	V
	3528	-52.78	-13	-39.78	-48.19	-57.05	1.61	8.03	V
	4240	-56.03	-13	-43.03	-52.07	-60.63	1.90	8.65	V
	4944	-57.33	-13	-44.33	-56.25	-62.46	2.30	9.59	V
									V



Highest	1424	-62.56	-13	-49.56	-48.16	-64.36	0.88	4.83	H
	2144	-60.67	-13	-47.67	-51.76	-61.67	1.18	4.33	H
	2856	-53.48	-13	-40.48	-46.96	-55.61	1.40	5.68	H
	3568	-59.04	-13	-46.04	-54.57	-63.35	1.63	8.08	H
	4280	-58.35	-13	-45.35	-54.21	-62.93	1.92	8.66	H
	4992	-60.12	-13	-47.12	-59.48	-65.32	2.33	9.68	H
									H
	1424	-59.63	-13	-46.63	-45.81	-61.43	0.88	4.83	V
	2144	-58.33	-13	-45.33	-49.66	-59.33	1.18	4.33	V
	2856	-48.25	-13	-35.25	-42.63	-50.38	1.40	5.68	V
	3568	-56.68	-13	-43.68	-52.14	-60.99	1.63	8.08	V
	4280	-58.87	-13	-45.87	-54.82	-63.45	1.92	8.66	V
	4992	-57.82	-13	-44.82	-56.93	-63.02	2.33	9.68	V
									V

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



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	-63.98	-13	-50.98	-49.60	-65.64	0.87	4.68	H
	2096	-58.89	-13	-45.89	-49.59	-59.76	1.16	4.19	H
	2800	-53.45	-13	-40.45	-46.93	-55.56	1.38	5.64	H
	3496	-56.02	-13	-43.02	-51.83	-60.25	1.60	7.98	H
	4200	-53.89	-13	-40.89	-49.59	-58.50	1.88	8.64	H
	4896	-62.25	-13	-49.25	-60.93	-67.31	2.28	9.49	H
									H
	1400	-63.15	-13	-50.15	-49.04	-64.81	0.87	4.68	V
	2096	-57.05	-13	-44.05	-48.26	-57.92	1.16	4.19	V
	2800	-47.98	-13	-34.98	-42.03	-50.09	1.38	5.64	V
	3496	-54.69	-13	-41.69	-50.29	-58.92	1.60	7.98	V
	4200	-49.65	-13	-36.65	-45.27	-54.26	1.88	8.64	V
	4896	-60.45	-13	-47.45	-59.11	-65.51	2.28	9.49	V
									V
Middle	1408	-60.36	-13	-47.36	-46.02	-62.07	0.87	4.73	H
	2120	-61.45	-13	-48.45	-52.34	-62.39	1.17	4.26	H
	2824	-52.11	-13	-39.11	-45.39	-54.23	1.39	5.66	H
	3528	-54.96	-13	-41.96	-50.64	-59.23	1.61	8.03	H
	4232	-56.81	-13	-43.81	-52.55	-61.41	1.89	8.65	H
	4936	-60.67	-13	-47.67	-59.84	-65.79	2.30	9.57	H
									H
	1408	-59.25	-13	-46.25	-45.34	-60.96	0.87	4.73	V
	2112	-60.55	-13	-47.55	-51.87	-61.47	1.17	4.24	V
	2824	-46.79	-13	-33.79	-40.91	-48.91	1.39	5.66	V
	3528	-53.95	-13	-40.95	-49.40	-58.22	1.61	8.03	V
	4232	-54.85	-13	-41.85	-50.15	-59.45	1.89	8.65	V
	4936	-57.86	-13	-44.86	-56.68	-62.98	2.30	9.57	V
									V



Highest	1424	-55.05	-13	-42.05	-40.78	-56.85	0.88	4.83	H
	2136	-59.45	-13	-46.45	-50.48	-60.43	1.18	4.31	H
	2848	-53.15	-13	-40.15	-46.55	-55.28	1.40	5.68	H
	3560	-56.25	-13	-43.25	-51.91	-60.55	1.62	8.07	H
	4272	-54.63	-13	-41.63	-50.33	-59.22	1.92	8.65	H
	4976	-59.96	-13	-46.96	-59.29	-65.14	2.32	9.65	H
									H
	1424	-54.68	-13	-41.68	-40.76	-56.48	0.88	4.83	V
	2136	-59.34	-13	-46.34	-50.68	-60.32	1.18	4.31	V
	2848	-48.68	-13	-35.68	-42.99	-50.81	1.40	5.68	V
	3560	-55.92	-13	-42.92	-51.43	-60.22	1.62	8.07	V
	4282	-56.15	-13	-43.15	-52.02	-60.73	1.92	8.66	V
	4976	-60.37	-13	-47.37	-59.33	-65.55	2.32	9.65	V
									V

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



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	1400	-64.86	-13	-51.86	-50.33	-66.52	0.87	4.68	H
	2096	-59.57	-13	-46.57	-50.22	-60.44	1.16	4.19	H
	2800	-53.94	-13	-40.94	-47.23	-56.05	1.38	5.64	H
	3496	-57.36	-13	-44.36	-52.96	-61.59	1.60	7.98	H
	4200	-55.58	-13	-42.58	-51.13	-60.19	1.88	8.64	H
									H
									H
	1400	-62.96	-13	-49.96	-48.89	-64.62	0.87	4.68	V
	2096	-58.24	-13	-45.24	-49.28	-59.11	1.16	4.19	V
	2800	-48.36	-13	-35.36	-42.44	-50.47	1.38	5.64	V
	3496	-54.44	-13	-41.44	-49.87	-58.67	1.60	7.98	V
	4200	-51.48	-13	-38.48	-47.12	-56.09	1.88	8.64	V
									V
									V
Middle	1408	-63.84	-13	-50.84	-49.32	-65.55	0.87	4.73	H
	2112	-60.62	-13	-47.62	-51.43	-61.54	1.17	4.24	H
	2816	-53.47	-13	-40.47	-46.78	-55.58	1.39	5.65	H
	3512	-59.17	-13	-46.17	-54.69	-63.43	1.61	8.01	H
	4216	-56.28	-13	-43.28	-51.87	-60.89	1.89	8.64	H
	4920	-61.76	-13	-48.76	-60.70	-66.86	2.29	9.54	H
									H
	1408	-63.24	-13	-50.24	-49.22	-64.95	0.87	4.73	V
	2112	-60.27	-13	-47.27	-51.41	-61.19	1.17	4.24	V
	2816	-47.46	-13	-34.46	-41.57	-49.57	1.39	5.65	V
	3512	-56.68	-13	-43.68	-52.06	-60.94	1.61	8.01	V
	4216	-51.77	-13	-38.77	-47.50	-56.38	1.89	8.64	V
	4920	-59.29	-13	-46.29	-58.05	-64.39	2.29	9.54	V
									V



Highest	1416	-60.26	-13	-47.26	-45.76	-62.01	0.87	4.78	H
	2120	-63.74	-13	-50.74	-54.59	-64.68	1.17	4.26	H
	2824	-51.55	-13	-38.55	-44.93	-53.67	1.39	5.66	H
	3536	-52.14	-13	-39.14	-47.67	-56.42	1.62	8.04	H
	4240	-57.27	-13	-44.27	-53.04	-61.87	1.90	8.65	H
	4944	-58.44	-13	-45.44	-57.44	-63.57	2.30	9.59	H
									H
	1416	-59.06	-13	-46.06	-45.01	-60.81	0.87	4.78	V
	2120	-61.88	-13	-48.88	-53.09	-62.82	1.17	4.26	V
	2824	-46.38	-13	-33.38	-40.52	-48.50	1.39	5.66	V
	3536	-51.76	-13	-38.76	-47.19	-56.04	1.62	8.04	V
	4240	-54.42	-13	-41.42	-50.30	-59.02	1.90	8.65	V
	4944	-55.78	-13	-42.78	-54.55	-60.91	2.30	9.59	V
	1432	-62.17	-13	-49.17	-49.87	-66.17	0.88	4.88	H

**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	1552	-65.05	-13	-52.05	-51.29	-67.12	0.94	5.15	H
	2328	-66.65	-13	-53.65	-58.72	-68.15	1.24	4.88	H
	3104	-67.06	-13	-54.06	-61.15	-69.69	1.48	6.26	H
									H
									H
									H
									H
	1552	-69.02	-13	-56.02	-56.06	-71.09	0.94	5.15	V
	2328	-66.26	-13	-53.26	-58.64	-67.76	1.24	4.88	V
	3104	-66.38	-13	-53.38	-61.27	-69.01	1.48	6.26	V
									V
									V
									V
									V
Middle	1560	-64.73	-42.15	-22.58	-51.24	-66.77	0.94	5.13	H
	2344	-67.68	-13	-54.68	-59.74	-69.22	1.24	4.93	H
	3136	-66.77	-13	-53.77	-61.11	-69.53	1.49	6.40	H
									H
									H
									H
									H
	1560	-67.97	-42.15	-25.82	-55.05	-70.01	0.94	5.13	V
	2344	-67.05	-13	-54.05	-59.45	-68.59	1.24	4.93	V
	3136	-66.27	-13	-53.27	-61.29	-69.03	1.49	6.40	V
									V
									V
									V
									V



Highest	1568	-66.01	-42.15	-23.86	-52.56	-68.03	0.94	5.11	H
	2344	-67.23	-13	-54.23	-59.32	-68.77	1.24	4.93	H
	3136	-67.02	-13	-54.02	-61.41	-69.78	1.49	6.40	H
									H
									H
									H
									H
	1568	-69.01	-42.15	-26.86	-56.12	-71.03	0.94	5.11	V
	2344	-66.01	-13	-53.01	-58.50	-67.55	1.24	4.93	V
	3136	-66.03	-13	-53.03	-61.10	-68.79	1.49	6.40	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	1552	-67.12	-13	-54.12	-53.29	-69.19	0.94	5.15	H
	2336	-67.75	-13	-54.75	-59.84	-69.27	1.24	4.91	H
	3128	-66.89	-13	-53.89	-60.91	-69.62	1.49	6.36	H
									H
									H
									H
									H
	1552	-68.75	-13	-55.75	-55.62	-70.82	0.94	5.15	V
	2336	-67.25	-13	-54.25	-59.35	-68.77	1.24	4.91	V
	3128	-65.89	-13	-52.89	-60.84	-68.62	1.49	6.36	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 / 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	1408	-59.44	-13	-46.44	-45.10	-61.15	0.87	4.73	H
	2112	-57.24	-13	-44.24	-48.20	-58.16	1.17	4.24	H
	2816	-50.77	-13	-37.77	-44.11	-52.88	1.39	5.65	H
	3520	-49.76	-13	-36.76	-50.25	-54.02	1.61	8.02	H
	4224	-55.69	-13	-42.69	-51.54	-60.29	1.89	8.64	H
	4928	-58.46	-13	-45.46	-57.38	-63.57	2.30	9.56	H
									H
	1408	-61.78	-13	-48.78	-47.84	-63.49	0.87	4.73	V
	2112	-58.74	-13	-45.74	-49.90	-59.66	1.17	4.24	V
	2816	-47.05	-13	-34.05	-41.30	-49.16	1.39	5.65	V
	3520	-54.31	-13	-41.31	-49.69	-58.57	1.61	8.02	V
	4224	-57.42	-13	-44.42	-53.30	-62.02	1.89	8.64	V
	4928	-60.92	-13	-47.92	-59.50	-66.03	2.30	9.56	V
									V
Middle	1416	-60.94	-13	-47.94	-46.64	-62.69	0.87	4.78	H
	2120	-59.07	-13	-46.07	-49.84	-60.01	1.17	4.26	H
	2832	-47.45	-13	-34.45	-40.94	-49.57	1.39	5.67	H
	3536	-50.78	-13	-37.78	-46.43	-55.06	1.62	8.04	H
	4248	-52.21	-13	-39.21	-48.03	-56.81	1.90	8.65	H
	4952	-55.53	-13	-42.53	-54.53	-60.67	2.31	9.60	H
									H
	1416	-61.80	-13	-48.80	-47.85	-63.55	0.87	4.78	V
	2120	-60.75	-13	-47.75	-51.89	-61.69	1.17	4.26	V
	2832	-45.57	-13	-32.57	-39.71	-47.69	1.39	5.67	V
	3536	-51.74	-13	-38.74	-47.26	-56.02	1.62	8.04	V
	4248	-54.59	-13	-41.59	-50.63	-59.19	1.90	8.65	V
	4952	-56.91	-13	-43.91	-55.84	-62.05	2.31	9.60	V
									V



Highest	1424	-54.49	-13	-41.49	-40.26	-56.29	0.88	4.83	H
	2136	-54.57	-13	-41.57	-45.78	-55.55	1.18	4.31	H
	2848	-50.43	-13	-37.43	-43.91	-52.56	1.40	5.68	H
	3560	-56.38	-13	-43.38	-52.03	-60.68	1.62	8.07	H
	4272	-54.96	-13	-41.96	-50.98	-59.55	1.92	8.65	H
	4976	-59.48	-13	-46.48	-58.76	-64.66	2.32	9.65	H
									H
	1424	-53.71	-13	-40.71	-39.99	-55.51	0.88	4.83	V
	2136	-56.13	-13	-43.13	-47.44	-57.11	1.18	4.31	V
	2848	-47.89	-13	-34.89	-42.13	-50.02	1.40	5.68	V
	3560	-55.39	-13	-42.39	-50.65	-59.69	1.62	8.07	V
	4272	-56.06	-13	-43.06	-52.13	-60.65	1.92	8.65	V
	4976	-60.48	-13	-47.48	-59.49	-65.66	2.32	9.65	V
									V

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



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	1408	-60.08	-13	-47.08	-45.73	-61.79	0.87	4.73	H
	2112	-53.14	-13	-40.14	-44.09	-54.06	1.17	4.24	H
	2816	-53.95	-13	-40.95	-47.33	-56.06	1.39	5.65	H
	3520	-55.75	-13	-42.75	-51.32	-60.01	1.61	8.02	H
	4224	-57.09	-13	-44.09	-52.85	-61.69	1.89	8.64	H
	4936	-60.54	-13	-47.54	-59.40	-65.66	2.30	9.57	H
									H
	1408	-60.78	-13	-47.78	-46.95	-62.49	0.87	4.73	V
	2112	-64.41	-13	-51.41	-55.60	-65.33	1.17	4.24	V
	2816	-51.44	-13	-38.44	-45.74	-53.55	1.39	5.65	V
	3520	-59.27	-13	-46.27	-54.74	-63.53	1.61	8.02	V
	4224	-56.28	-13	-43.28	-52.23	-60.88	1.89	8.64	V
	4936	-59.97	-13	-46.97	-58.91	-65.09	2.30	9.57	V
									V
Middle	1408	-59.32	-13	-46.32	-44.90	-61.03	0.87	4.73	H
	2120	-62.07	-13	-49.07	-52.97	-63.01	1.17	4.26	H
	2824	-52.93	-13	-39.93	-46.37	-55.05	1.39	5.66	H
	3528	-53.74	-13	-40.74	-49.32	-58.01	1.61	8.03	H
	4232	-57.51	-13	-44.51	-53.28	-62.11	1.89	8.65	H
	4936	-57.97	-13	-44.97	-58.05	-63.09	2.30	9.57	H
									H
	1408	-56.65	-13	-43.65	-42.80	-58.36	0.87	4.73	V
	2120	-58.83	-13	-45.83	-50.05	-59.77	1.17	4.26	V
	2824	-46.89	-13	-33.89	-41.02	-49.01	1.39	5.66	V
	3528	-53.95	-13	-40.95	-49.43	-58.22	1.61	8.03	V
	4232	-55.09	-13	-42.09	-50.82	-59.69	1.89	8.65	V
	4936	-57.45	-13	-44.45	-56.46	-62.57	2.30	9.57	V
									V



Highest	1416	-58.84	-13	-45.84	-44.49	-60.59	0.87	4.78	H
	2120	-62.84	-13	-49.84	-53.76	-63.78	1.17	4.26	H
	2824	-51.04	-13	-38.04	-44.49	-53.16	1.39	5.66	H
	3536	-53.49	-13	-40.49	-49.26	-57.77	1.62	8.04	H
	4240	-56.81	-13	-43.81	-52.78	-61.41	1.90	8.65	H
	4944	-58.64	-13	-45.64	-57.57	-63.77	2.30	9.59	H
									H
	1416	-56.26	-13	-43.26	-42.31	-58.01	0.87	4.78	V
	2120	-60.98	-13	-47.98	-52.35	-61.92	1.17	4.26	V
	2824	-46.44	-13	-33.44	-40.66	-48.56	1.39	5.66	V
	3536	-51.81	-13	-38.81	-47.46	-56.09	1.62	8.04	V
	4240	-53.73	-13	-40.73	-49.74	-58.33	1.90	8.65	V
	4944	-56.89	-13	-43.89	-55.83	-62.02	2.30	9.59	V
									V

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