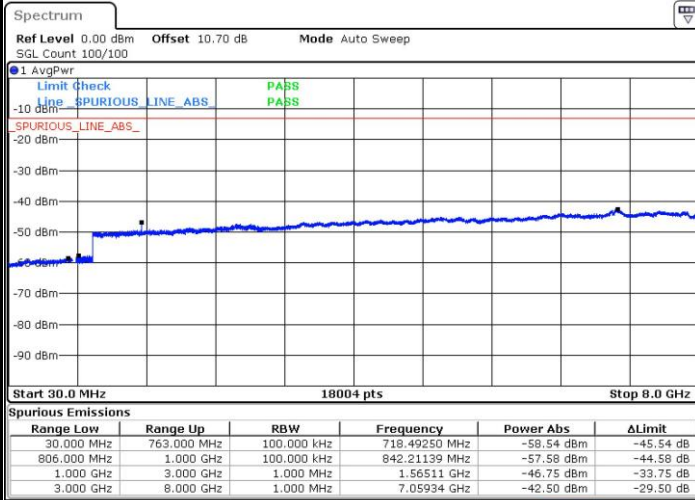




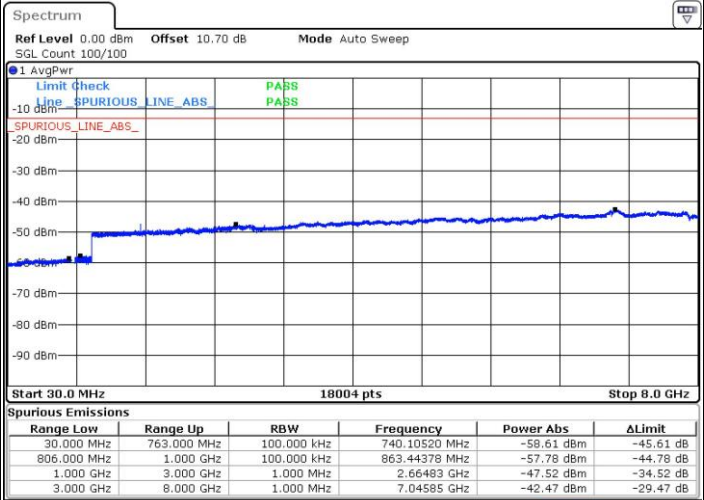
LTE Band 13 / 5MHz

Highest Channel / QPSK



Date: 24 MAY 2016 17:56:47

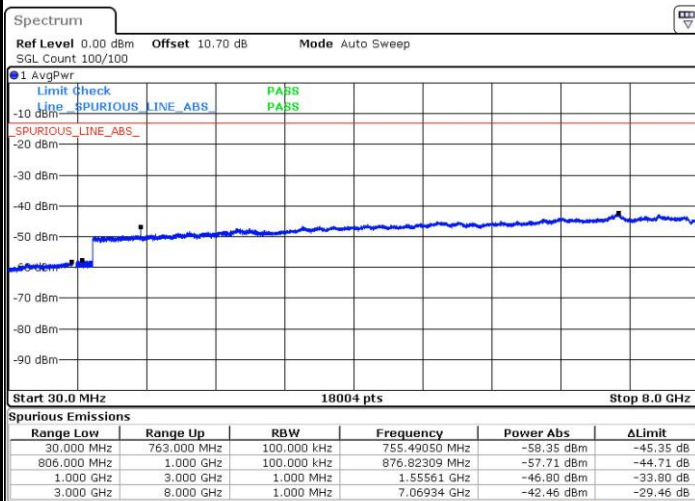
Highest Channel / 16QAM



Date: 24 MAY 2016 17:57:41

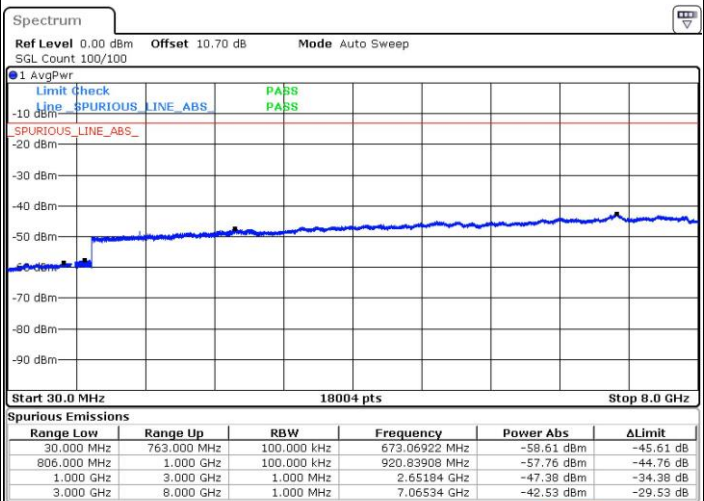
LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 24 MAY 2016 18:07:07

Middle Channel / 16QAM



Date: 24 MAY 2016 18:06:13



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0106	
30	Normal Voltage	0.0105	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0107	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0086	
20	Maximum Voltage	0.0092	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage = 3.9 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	20.56	0.1138	23.68	0.2333
Middle		1	0	19.77	0.0948	23.12	0.2051
Highest		1	0	20.31	0.1074	23.92	0.2466
Lowest	16QAM	3	3	19.28	0.0847	22.29	0.1694
Middle		3	3	19.40	0.0871	22.72	0.1871
Highest		3	3	20.01	0.1002	23.54	0.2259
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.25	0.1334	23.82	0.2410
Middle		1	0	20.75	0.1189	23.71	0.2350
Highest		1	0	21.04	0.1271	24.20	0.2630
Lowest	16QAM	1	0	20.09	0.1021	22.97	0.1982
Middle		1	0	18.74	0.0748	22.03	0.1596
Highest		1	0	19.29	0.0849	22.79	0.1901
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	20.48	0.1117	23.73	0.2360
Middle		1	0	20.26	0.1062	23.53	0.2254
Highest		1	0	20.65	0.1161	23.83	0.2415
Lowest	16QAM	1	0	20.00	0.1000	22.67	0.1849
Middle		1	0	19.40	0.0871	22.30	0.1698
Highest		1	0	19.23	0.0838	22.30	0.1698
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	20.57	0.1140	23.72	0.2355
Middle		1	0	20.48	0.1117	23.60	0.2291
Highest		1	0	20.69	0.1172	23.81	0.2404
Lowest	16QAM	1	0	20.21	0.1050	22.92	0.1959
Middle		1	0	19.44	0.0879	22.19	0.1656
Highest		1	0	19.71	0.0935	22.68	0.1854
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	20.86	0.1219	23.93	0.2472
Middle		1	37	20.33	0.1079	23.59	0.2286
Highest		1	37	21.09	0.1285	23.83	0.2415
Lowest	16QAM	1	0	19.76	0.0946	22.30	0.1698
Middle		1	0	20.02	0.1005	22.93	0.1963
Highest		1	0	19.39	0.0869	22.28	0.1690
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	20.71	0.1178	23.44	0.2208
Middle		1	0	20.39	0.1094	23.58	0.2280
Highest		1	0	20.34	0.1081	23.54	0.2259
Lowest	16QAM	1	0	19.71	0.0935	22.24	0.1675
Middle		1	0	19.39	0.0869	22.50	0.1778
Highest		1	0	19.29	0.0849	22.48	0.1770
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.26	0.0843	21.80	0.1514
Middle		1	0	19.39	0.0869	22.32	0.1706
Highest		1	0	19.79	0.0953	22.41	0.1742
Lowest	16QAM	1	0	18.42	0.0695	20.55	0.1135
Middle		1	0	17.93	0.0621	20.31	0.1074
Highest		1	0	18.07	0.0641	20.56	0.1138
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.20	0.0832	21.79	0.1510
Middle		1	0	19.86	0.0968	22.59	0.1816
Highest		1	0	19.76	0.0946	22.48	0.1770
Lowest	16QAM	1	0	17.76	0.0597	20.22	0.1052
Middle		1	0	18.82	0.0762	21.33	0.1358
Highest		1	0	17.99	0.0630	20.59	0.1146
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	19.66	0.0925	22.41	0.1742
Middle		1	12	19.64	0.0920	22.30	0.1698
Highest		1	12	20.48	0.1117	23.18	0.2080
Lowest	16QAM	1	0	17.51	0.0564	19.68	0.0929
Middle		1	0	18.36	0.0685	20.98	0.1253
Highest		1	0	18.61	0.0726	20.83	0.1211
Limit	EIRP < 1W			Result		PASS	



LTE Band 4/ 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.35	0.0861	22.06	0.1607
Middle		1	0	19.73	0.0940	22.40	0.1738
Highest		1	0	19.91	0.0979	22.53	0.1791
Lowest	16QAM	1	0	18.12	0.0649	20.94	0.1242
Middle		1	0	17.96	0.0625	20.44	0.1107
Highest		1	0	17.84	0.0608	20.35	0.1084
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	19.05	0.0804	21.97	0.1574
Middle		1	0	19.43	0.0877	22.01	0.1589
Highest		1	0	19.64	0.0920	22.54	0.1795
Lowest	16QAM	1	0	17.65	0.0582	20.22	0.1052
Middle		1	0	18.47	0.0703	21.09	0.1285
Highest		1	0	17.93	0.0621	20.55	0.1135
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	19.20	0.0832	21.85	0.1531
Middle		1	49	19.73	0.0940	22.41	0.1742
Highest		1	49	19.53	0.0897	22.21	0.1663
Lowest	16QAM	1	0	18.01	0.0632	20.80	0.1202
Middle		1	0	18.59	0.0723	21.16	0.1306
Highest		1	0	18.41	0.0693	20.99	0.1256
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	3	17.44	0.0555	19.93	0.0984
Middle		3	3	17.20	0.0525	19.41	0.0873
Highest		3	3	17.28	0.0535	19.63	0.0918
Lowest	16QAM	1	0	14.07	0.0255	17.12	0.0515
Middle		1	0	13.04	0.0201	15.79	0.0379
Highest		1	0	14.59	0.0288	17.44	0.0555
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	17.29	0.0536	19.15	0.0822
Middle		1	8	17.09	0.0512	19.32	0.0855
Highest		1	8	17.03	0.0505	19.41	0.0873
Lowest	16QAM	1	0	14.15	0.0260	17.08	0.0511
Middle		1	0	15.25	0.0335	17.82	0.0605
Highest		1	0	13.51	0.0224	16.50	0.0447
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	17.78	0.0600	20.40	0.1096
Middle		1	12	17.33	0.0541	19.77	0.0948
Highest		1	12	17.42	0.0552	19.84	0.0964
Lowest	16QAM	1	12	14.17	0.0261	16.95	0.0495
Middle		1	12	15.07	0.0321	17.63	0.0579
Highest		1	12	13.75	0.0237	16.84	0.0483
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	16.99	0.0500	19.56	0.0904
Middle		1	25	17.21	0.0526	19.68	0.0929
Highest		1	25	17.32	0.0540	20.08	0.1019
Lowest	16QAM	1	0	13.69	0.0234	16.30	0.0427
Middle		1	0	13.31	0.0214	16.30	0.0427
Highest		1	0	13.60	0.0229	16.30	0.0427
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	21.33	0.1358	23.39	0.2183
Middle		1	12	21.47	0.1403	23.48	0.2228
Highest		1	12	21.41	0.1384	23.58	0.2280
Lowest	16QAM	1	0	18.36	0.0685	20.50	0.1122
Middle		1	0	18.86	0.0769	20.87	0.1222
Highest		1	0	19.39	0.0869	21.49	0.1409
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	20.88	0.1225	23.12	0.2051
Middle		1	25	20.72	0.1180	22.90	0.1950
Highest		1	25	21.17	0.1309	23.19	0.2084
Lowest	16QAM	1	0	18.98	0.0791	21.49	0.1409
Middle		1	0	19.15	0.0822	21.43	0.1390
Highest		1	0	19.44	0.0879	21.64	0.1459
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	20.88	0.1225	23.29	0.2133
Middle		1	0	20.78	0.1197	22.93	0.1963
Highest		1	0	21.49	0.1409	23.59	0.2286
Lowest	16QAM	1	0	18.85	0.0767	21.32	0.1355
Middle		1	0	19.45	0.0881	21.44	0.1393
Highest		1	0	19.40	0.0871	21.55	0.1429
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	20.72	0.1180	23.13	0.2056
Middle		1	49	21.20	0.1318	23.53	0.2254
Highest		1	49	21.10	0.1288	23.06	0.2023
Lowest	16QAM	1	0	19.26	0.0843	21.53	0.1422
Middle		1	0	19.24	0.0839	21.50	0.1413
Highest		1	0	19.61	0.0914	21.52	0.1419
Limit	EIRP < 2W			Result		PASS	



LTE Band 13 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	20.00	0.1000	21.03	0.1268
Middle		1	0	20.01	0.1002	21.80	0.1514
Highest		1	0	20.36	0.1086	21.86	0.1535
Lowest	16QAM	1	0	16.56	0.0453	17.53	0.0566
Middle		1	0	16.69	0.0467	18.66	0.0735
Highest		1	0	17.52	0.0565	19.02	0.0798
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	25	20.37	0.1089	21.87	0.1538
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	0	16.51	0.0448	18.07	0.0641
Highest		-	-	-	-	-	-
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	-60.64	-13	-47.64	-56.35	-67.21	1.67	8.24	H
	5556	-62.01	-13	-49.01	-64.64	-69.08	2.66	9.72	H
	7404	-61.96	-13	-48.96	-65.77	-71.11	2.46	11.61	H
									H
									H
									H
	3702	-61.65	-13	-48.65	-57.35	-68.22	1.67	8.24	V
	5556	-61.26	-13	-48.26	-64.68	-68.33	2.66	9.72	V
	7404	-62.24	-13	-49.24	-66.48	-71.39	2.46	11.61	V
									V
Middle	3762	-59.39	-13	-46.39	-55.05	-66.02	1.69	8.31	H
	5640	-62.41	-13	-49.41	-65.3	-69.46	2.71	9.76	H
	7524	-63.49	-13	-50.49	-67.43	-72.88	2.42	11.81	H
									H
									H
									H
	3762	-59.61	-13	-46.61	-55.33	-66.24	1.69	8.31	V
	5640	-62.28	-13	-49.28	-65.18	-69.33	2.71	9.76	V
	7524	-62.97	-13	-49.97	-67.39	-72.36	2.42	11.81	V
									V
Highest	3816	-60.86	-13	-47.86	-56.41	-67.54	1.70	8.38	H
	5724	-61.29	-13	-48.29	-64.71	-68.33	2.75	9.79	H
	7638	-61.14	-13	-48.14	-65.63	-70.64	2.38	11.88	H
									H
									H
									H
	3816	-61.43	-13	-48.43	-56.99	-68.11	1.70	8.38	V
	5724	-61.73	-13	-48.73	-65.15	-68.77	2.75	9.79	V
	7638	-62.51	-13	-49.51	-67.19	-72.01	2.38	11.88	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	-60.54	-13	-47.54	-56.24	-67.11	1.67	8.24	H
	5556	-61.95	-13	-48.95	-64.57	-69.02	2.66	9.72	H
	7404	-61.29	-13	-48.29	-65.32	-70.44	2.46	11.61	H
									H
									H
									H
									H
	3702	-61.44	-13	-48.44	-57	-68.01	1.67	8.24	V
	5556	-62.15	-13	-49.15	-64.58	-69.22	2.66	9.72	V
	7404	-62.21	-13	-49.21	-66.45	-71.36	2.46	11.61	V
									V
	Middle	3756	-58.71	-13	-45.71	-54.31	-65.33	1.68	8.31
5634		-62.36	-13	-49.36	-65.22	-69.41	2.70	9.75	H
7512		-63.13	-13	-50.13	-67.19	-72.51	2.43	11.81	H
									H
									H
									H
									H
3756		-59.07	-13	-46.07	-54.71	-65.69	1.68	8.31	V
5634		-62.06	-13	-49.06	-64.89	-69.11	2.70	9.75	V
7512		-62.86	-13	-49.86	-67.16	-72.24	2.43	11.81	V
									V
Highest		3816	-59.99	-13	-46.99	-55.54	-66.67	1.70	8.38
	5724	-61.07	-13	-48.07	-64.5	-68.11	2.75	9.79	H
	7632	-60.59	-13	-47.59	-65.17	-70.08	2.39	11.88	H
									H
									H
									H
									H
	3816	-60.04	-13	-47.04	-55.63	-66.72	1.70	8.38	V
	5724	-61.73	-13	-48.73	-65.1	-68.77	2.75	9.79	V
	7632	-62.39	-13	-49.39	-66.93	-71.88	2.39	11.88	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	-61.02	-13	-48.02	-48.93	-67.59	1.67	8.24	H
	5553	-61.95	-13	-48.95	-49.73	-69.02	2.66	9.72	H
	7404	-61.91	-13	-48.91	-49.71	-71.06	2.46	11.61	H
									H
									H
									H
									H
	3702	-61.54	-13	-48.54	-57.22	-68.11	1.67	8.24	V
	5553	-62.04	-13	-49.04	-64.62	-69.11	2.66	9.72	V
	7404	-62.07	-13	-49.07	-66.35	-71.22	2.46	11.61	V
									V
	Middle	3756	-60.49	-13	-47.49	-56.02	-67.11	1.68	8.31
5634		-62.16	-13	-49.16	-65.02	-69.21	2.70	9.75	H
7512		-61.67	-13	-48.67	-65.69	-71.05	2.43	11.81	H
									H
									H
									H
									H
3756		-60.39	-13	-47.39	-55.91	-67.01	1.68	8.31	V
5634		-62.28	-13	-49.28	-65.25	-69.33	2.70	9.75	V
7512		-63.01	-13	-50.01	-67.27	-72.39	2.43	11.81	V
									V
Highest		3810	-59.44	-13	-46.44	-54.99	-66.11	1.70	8.37
	5718	-60.62	-13	-47.62	-64.1	-67.66	2.75	9.79	H
	7620	-60.96	-13	-47.96	-65.33	-70.44	2.39	11.87	H
									H
									H
									H
									H
	3810	-59.85	-13	-46.85	-55.46	-66.52	1.70	8.37	V
	5718	-61.62	-13	-48.62	-64.89	-68.66	2.75	9.79	V
	7620	-62.07	-13	-49.07	-66.8	-71.55	2.39	11.87	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	-60.65	-13	-47.65	-56.35	-67.22	1.67	8.24	H
	5556	-62.04	-13	-49.04	-64.64	-69.11	2.66	9.72	H
	7404	-61.41	-13	-48.41	-65.52	-70.56	2.46	11.61	H
									H
									H
									H
									H
	3702	-60.98	-13	-47.98	-56.67	-67.55	1.67	8.24	V
	5556	-61.95	-13	-48.95	-64.56	-69.02	2.66	9.72	V
	7404	-61.96	-13	-48.96	-66.12	-71.11	2.46	11.61	V
									V
	Middle	3749	-59.61	-13	-46.61	-55.1	-66.23	1.68	8.30
5625		-62.17	-13	-49.17	-64.87	-69.22	2.70	9.75	H
7500		-62.09	-13	-49.09	-65.97	-71.46	2.43	11.80	H
									H
									H
									H
									H
3749		-54.96	-13	-41.96	-50.45	-61.58	1.68	8.30	V
5625		-61.66	-13	-48.66	-64.43	-68.71	2.70	9.75	V
7500		-62.97	-13	-49.97	-67.01	-72.34	2.43	11.80	V
									V
Highest		3804	-52.92	-13	-39.92	-48.44	-59.59	1.70	8.36
	5706	-54.73	-13	-41.73	-58	-61.77	2.74	9.78	H
	7608	-55.55	-13	-42.55	-59.88	-65.02	2.39	11.86	H
									H
									H
									H
									H
	3804	-53.44	-13	-40.44	-49.06	-60.11	1.70	8.36	V
	5706	-54.84	-13	-41.84	-58.08	-61.88	2.74	9.78	V
	7608	-55.09	-13	-42.09	-59.77	-64.56	2.39	11.86	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	3714	-60.29	-13	-47.29	-55.88	-66.88	1.67	8.26	H
	5568	-61.95	-13	-48.95	-64.6	-69.01	2.66	9.73	H
	7428	-61.12	-13	-48.12	-65.21	-70.32	2.45	11.66	H
									H
									H
									H
									H
	3714	-60.42	-13	-47.42	-56.13	-67.01	1.67	8.26	V
	5568	-61.99	-13	-48.99	-64.65	-69.05	2.66	9.73	V
	7428	-62.24	-13	-49.24	-66.43	-71.44	2.45	11.66	V
									V
	Middle	3762	-60.38	-13	-47.38	-55.79	-67.01	1.69	8.31
5640		-62.31	-13	-49.31	-65.18	-69.36	2.71	9.76	H
7524		-63.14	-13	-50.14	-67.25	-72.53	2.42	11.81	H
									H
									H
									H
									H
3762		-59.59	-13	-46.59	-55.25	-66.22	1.69	8.31	V
5640		-62.01	-13	-49.01	-64.91	-69.06	2.71	9.76	V
7524		-62.92	-13	-49.92	-67.22	-72.31	2.42	11.81	V
									V
Highest		3804	-58.34	-13	-45.34	-53.75	-65.01	1.70	8.36
	5706	-60.59	-13	-47.59	-63.97	-67.63	2.74	9.78	H
	7608	-60.07	-13	-47.07	-64.58	-69.54	2.39	11.86	H
									H
									H
									H
									H
	3804	-59.34	-13	-46.34	-54.87	-66.01	1.70	8.36	V
	5706	-61.62	-13	-48.62	-65.02	-68.66	2.74	9.78	V
	7608	-62.21	-13	-49.21	-66.97	-71.68	2.39	11.86	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	3780	-57.41	-13	-44.41	-53.03	-64.05	1.69	8.34	H
	5670	-62.01	-13	-49.01	-65.14	-69.06	2.72	9.77	H
	7566	-61.34	-13	-48.34	-65.52	-70.77	2.41	11.84	H
									H
									H
									H
									H
	3780	-56.85	-13	-43.85	-52.5	-63.49	1.69	8.34	V
	5670	-62.01	-13	-49.01	-65.11	-69.06	2.72	9.77	V
	7566	-62.23	-13	-49.23	-66.8	-71.66	2.41	11.84	V
									V
	Middle	3744	-58.94	-13	-45.94	-54.67	-65.55	1.68	8.29
5616		-63.41	-13	-50.41	-65.26	-70.46	2.69	9.75	H
7488		-63.02	-13	-50.02	-67.09	-72.36	2.43	11.78	H
									H
									H
									H
									H
3744		-57.55	-13	-44.55	-53.29	-64.16	1.68	8.29	V
5616		-62.06	-13	-49.06	-64.98	-69.11	2.69	9.75	V
7488		-63.32	-13	-50.32	-67.51	-72.66	2.43	11.78	V
									V
Highest		3780	-58.41	-13	-45.41	-53.95	-65.05	1.69	8.34
	5670	-62.06	-13	-49.06	-65.19	-69.11	2.72	9.77	H
	7560	-62.61	-13	-49.61	-66.92	-72.04	2.41	11.84	H
									H
									H
									H
									H
	3780	-58.41	-13	-45.41	-54.08	-65.05	1.69	8.34	V
	5670	-62.06	-13	-49.06	-65.22	-69.11	2.72	9.77	V
	7560	-62.34	-13	-49.34	-66.8	-71.77	2.41	11.84	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	-58.96	-13	-45.96	-54.53	-65.03	1.58	7.65	H
	5130	-62.57	-13	-49.57	-62.82	-69.86	2.41	9.70	H
	6840	-61.88	-13	-48.88	-66.35	-69.85	2.64	10.61	H
									H
									H
									H
	3420	-62.08	-13	-49.08	-57.7	-68.15	1.58	7.65	V
	5130	-62.84	-13	-49.84	-63.04	-70.13	2.41	9.70	V
	6840	-60.47	-13	-47.47	-64.87	-68.44	2.64	10.61	V
									V
									V
Middle	3462	-60.96	-13	-47.96	-56.72	-67.2	1.59	7.83	H
	5195	-62.57	-13	-49.57	-63.22	-69.82	2.45	9.70	H
	6927	-62.47	-13	-49.47	-66.85	-70.57	2.61	10.71	H
									H
									H
									H
	3462	-62.59	-13	-49.59	-58.18	-68.83	1.59	7.83	V
	5195	-62.66	-13	-49.66	-63.16	-69.91	2.45	9.70	V
	6927	-62.38	-13	-49.38	-66.68	-70.48	2.61	10.71	V
									V
									V
Highest	3510	-60.43	-13	-47.43	-56.28	-66.83	1.61	8.01	H
	5260	-62.98	-13	-49.98	-63.96	-70.19	2.49	9.70	H
	7014	-61.79	-13	-48.79	-65.95	-70.03	2.59	10.83	H
									H
									H
									H
	3510	-61.45	-13	-48.45	-57.19	-67.85	1.61	8.01	V
	5260	-62.88	-13	-49.88	-63.71	-70.09	2.49	9.70	V
	7014	-62.09	-13	-49.09	-66.36	-70.33	2.59	10.83	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	-59.36	-13	-46.36	-54.93	-65.43	1.58	7.65	H
	5130	-62.47	-13	-49.47	-62.82	-69.76	2.41	9.70	H
	6840	-61.94	-13	-48.94	-66.4	-69.91	2.64	10.61	H
									H
									H
									H
									H
	3420	-61.47	-13	-48.47	-57.05	-67.54	1.58	7.65	V
	5130	-62.58	-13	-49.58	-62.77	-69.87	2.41	9.70	V
	6840	-60.22	-13	-47.22	-64.63	-68.19	2.64	10.61	V
									V
	Middle	3462	-60.03	-13	-47.03	-55.8	-66.27	1.59	7.83
5193		-62.59	-13	-49.59	-63.25	-69.84	2.45	9.70	H
6924		-62.62	-13	-49.62	-66.97	-70.71	2.62	10.71	H
									H
									H
									H
									H
3462		-62.48	-13	-49.48	-58.18	-68.72	1.59	7.83	V
5193		-62.88	-13	-49.88	-63.43	-70.13	2.45	9.70	V
6924		-62.16	-13	-49.16	-66.52	-70.25	2.62	10.71	V
									V
Highest		3504	-60.43	-13	-47.43	-56.3	-66.83	1.61	8.00
	5256	-62.67	-13	-49.67	-63.58	-69.89	2.48	9.70	H
	7008	-61.98	-13	-48.98	-66.21	-70.21	2.59	10.82	H
									H
									H
									H
									H
	3504	-61.88	-13	-48.88	-57.65	-68.28	1.61	8.00	V
	5256	-63.07	-13	-50.07	-63.82	-70.29	2.48	9.70	V
	7008	-59.76	-13	-46.76	-64.05	-67.99	2.59	10.82	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	3426	-58.33	-13	-45.33	-53.95	-64.42	1.58	7.67	H
	5137	-62.56	-13	-49.56	-62.84	-69.84	2.42	9.70	H
	6850	-61.37	-13	-48.37	-65.87	-69.35	2.64	10.62	H
									H
									H
									H
									H
	3426	-61.07	-13	-48.07	-56.71	-67.16	1.58	7.67	V
	5137	-62.69	-13	-49.69	-62.79	-69.97	2.42	9.70	V
	6850	-60.86	-13	-47.86	-65.12	-68.84	2.64	10.62	V
									V
	Middle	3468	-59.42	-13	-46.42	-55.13	-65.68	1.59	7.86
5197		-62.66	-13	-49.66	-63.28	-69.91	2.45	9.70	H
6930		-61.93	-13	-48.93	-66.27	-70.03	2.61	10.72	H
									H
									H
									H
									H
3468		-62.49	-13	-49.49	-58.18	-68.75	1.59	7.86	V
5197		-62.88	-13	-49.88	-63.39	-70.13	2.45	9.70	V
6930		-61.46	-13	-48.46	-65.82	-69.56	2.61	10.72	V
									V
Highest		3504	-58.88	-13	-45.88	-54.8	-65.28	1.61	8.00
	5257	-62.97	-13	-49.97	-63.92	-70.18	2.49	9.70	H
	7015	-61.88	-13	-48.88	-66.13	-70.12	2.59	10.83	H
									H
									H
									H
									H
	3504	-61.36	-13	-48.36	-57.1	-67.76	1.61	8.00	V
	5257	-63.34	-13	-50.34	-64.1	-70.55	2.49	9.70	V
	7015	-61.97	-13	-48.97	-66.26	-70.21	2.59	10.83	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	-59.04	-13	-46.04	-54.88	-65.11	1.58	7.65	H
	5130	-62.46	-13	-49.46	-63.04	-69.75	2.41	9.70	H
	6840	-62.08	-13	-49.08	-66.81	-70.05	2.64	10.61	H
									H
									H
									H
									H
	3420	-61.73	-13	-48.73	-57.59	-67.8	1.58	7.65	V
	5130	-62.50	-13	-49.50	-62.92	-69.79	2.41	9.70	V
	6840	-62.06	-13	-49.06	-66.74	-70.03	2.64	10.61	V
									V
	Middle	3456	-59.33	-13	-46.33	-55.29	-65.55	1.59	7.81
5182		-62.70	-13	-49.70	-63.53	-69.96	2.44	9.70	H
6910		-62.41	-13	-49.41	-67.04	-70.48	2.62	10.69	H
									H
									H
									H
									H
3456		-62.30	-13	-49.30	-58.22	-68.52	1.59	7.81	V
5182		-62.63	-13	-49.63	-63.32	-69.89	2.44	9.70	V
6910		-62.12	-13	-49.12	-66.75	-70.19	2.62	10.69	V
									V
Highest		3490	-61.12	-13	-48.12	-57.21	-67.47	1.60	7.96
	5235	-62.95	-13	-49.95	-64.04	-70.18	2.47	9.70	H
	6980	-61.96	-13	-48.96	-66.48	-70.14	2.60	10.78	H
									H
									H
									H
									H
	3490	-62.41	-13	-49.41	-58.39	-68.76	1.60	7.96	V
	5235	-63.08	-13	-50.08	-64.04	-70.31	2.47	9.70	V
	6980	-62.04	-13	-49.04	-66.6	-70.22	2.60	10.78	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	-58.42	-13	-45.42	-53.92	-64.49	1.58	7.65	H
	5130	-62.73	-13	-49.73	-62.97	-70.02	2.41	9.70	H
	6840	-62.38	-13	-49.38	-66.79	-70.35	2.64	10.61	H
									H
									H
									H
									H
	3420	-61.08	-13	-48.08	-56.69	-67.15	1.58	7.65	V
	5130	-62.94	-13	-49.94	-63.08	-70.23	2.41	9.70	V
	6840	-62.33	-13	-49.33	-66.74	-70.3	2.64	10.61	V
									V
	Middle	3450	-58.00	-13	-45.00	-53.95	-64.19	1.59	7.78
5175		-62.46	-13	-49.46	-63.29	-69.72	2.44	9.70	H
6900		-61.84	-13	-48.84	-66.49	-69.9	2.62	10.68	H
									H
									H
									H
									H
3450		-61.98	-13	-48.98	-57.9	-68.17	1.59	7.78	V
5175		-62.83	-13	-49.83	-63.52	-70.09	2.44	9.70	V
6900		-61.92	-13	-48.92	-66.56	-69.98	2.62	10.68	V
									V
Highest		3480	-61.36	-13	-48.36	-57.45	-67.67	1.60	7.91
	5220	-62.76	-13	-49.76	-63.76	-70	2.46	9.70	H
	6960	-61.97	-13	-48.97	-66.52	-70.12	2.60	10.75	H
									H
									H
									H
									H
	3480	-62.56	-13	-49.56	-58.54	-68.87	1.60	7.91	V
	5220	-62.83	-13	-49.83	-63.7	-70.07	2.46	9.70	V
	6960	-62.01	-13	-49.01	-66.59	-70.16	2.60	10.75	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	3438	-57.42	-13	-44.42	-53	-63.56	1.58	7.73	H
	5160	-62.36	-13	-49.36	-62.83	-69.63	2.43	9.70	H
	6880	-62.06	-13	-49.06	-66.49	-70.09	2.63	10.66	H
									H
									H
									H
									H
	3438	-61.55	-13	-48.55	-57.18	-67.69	1.58	7.73	V
	5160	-62.61	-13	-49.61	-62.9	-69.88	2.43	9.70	V
	6880	-61.48	-13	-48.48	-65.83	-69.51	2.63	10.66	V
									V
	Middle	3468	-60.19	-13	-47.19	-55.88	-66.45	1.59	7.86
5196		-62.47	-13	-49.47	-63.13	-69.72	2.45	9.70	H
6930		-61.96	-13	-48.96	-66.34	-70.06	2.61	10.72	H
									H
									H
									H
									H
3468		-61.95	-13	-48.95	-57.65	-68.21	1.59	7.86	V
5196		-62.66	-13	-49.66	-63.2	-69.91	2.45	9.70	V
6930		-61.37	-13	-48.37	-65.68	-69.47	2.61	10.72	V
									V
Highest		3492	-61.55	-13	-48.55	-57.41	-67.91	1.60	7.96
	5235	-63.07	-13	-50.07	-63.84	-70.3	2.47	9.70	H
	6980	-61.84	-13	-48.84	-66.08	-70.02	2.60	10.78	H
									H
									H
									H
									H
	3492	-62.49	-13	-49.49	-58.22	-68.85	1.60	7.96	V
	5235	-63.11	-13	-50.11	-63.75	-70.34	2.47	9.70	V
	6980	-60.53	-13	-47.53	-64.83	-68.71	2.60	10.78	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)	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	1648	-58.74	-13	-45.74	-46.58	-60.5	0.98	4.89	H	
	2474	-60.47	-13	-47.47	-53.75	-62.36	1.28	5.32	H	
	3298	-59.72	-13	-46.72	-55.05	-63.14	1.54	7.11	H	
										H
										H
										H
	1648	-59.35	-13	-46.35	-47.66	-61.11	0.98	4.89	V	
	2474	-59.80	-13	-46.80	-53.52	-61.69	1.28	5.32	V	
	3298	-59.13	-13	-46.13	-54.79	-62.55	1.54	7.11	V	
										V
										V
Middle	1673	-63.54	-13	-50.54	-51.67	-65.22	0.99	4.82	H	
	2510	-59.92	-13	-46.92	-53.31	-61.88	1.29	5.41	H	
	3346	-59.55	-13	-46.55	-55.08	-63.17	1.56	7.32	H	
										H
										H
										H
	1673	-63.68	-13	-50.68	-52.27	-65.36	0.99	4.82	V	
	2510	-59.93	-13	-46.93	-53.78	-61.89	1.29	5.41	V	
	3346	-58.77	-13	-45.77	-54.51	-62.39	1.56	7.32	V	
										V
										V
Highest	1696	-63.68	-13	-50.68	-51.97	-65.28	1.00	4.75	H	
	2544	-59.82	-13	-46.82	-53.26	-61.8	1.30	5.44	H	
	3392	-58.55	-13	-45.55	-54.29	-62.35	1.57	7.52	H	
										H
										H
										H
	1696	-62.19	-13	-49.19	-50.92	-63.79	1.00	4.75	V	
	2544	-60.04	-13	-47.04	-53.98	-62.02	1.30	5.44	V	
	3392	-58.77	-13	-45.77	-54.6	-62.57	1.57	7.52	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	-57.54	-13	-44.54	-45.38	-59.3	0.98	4.89	H
	2472	-60.60	-13	-47.60	-53.88	-62.48	1.28	5.32	H
	3302	-59.86	-13	-46.86	-55.19	-63.3	1.54	7.13	H
									H
									H
									H
	1648	-57.19	-13	-44.19	-45.5	-58.95	0.98	4.89	V
	2472	-60.03	-13	-47.03	-53.75	-61.91	1.28	5.32	V
	3302	-58.98	-13	-45.98	-54.66	-62.42	1.54	7.13	V
									V
									V
									V
Middle	1673	-61.82	-13	-48.82	-49.95	-63.5	0.99	4.82	H
	2510	-60.24	-13	-47.24	-53.63	-62.2	1.29	5.41	H
	3346	-57.79	-13	-44.79	-53.32	-61.41	1.56	7.32	H
									H
									H
									H
	1673	-63.58	-13	-50.58	-52.17	-65.26	0.99	4.82	V
	2510	-59.77	-13	-46.77	-53.62	-61.73	1.29	5.41	V
	3346	-58.70	-13	-45.70	-54.44	-62.32	1.56	7.32	V
									V
									V
									V
Highest	1695	-62.29	-13	-49.29	-50.59	-63.9	1.00	4.75	H
	2542	-60.32	-13	-47.32	-53.77	-62.3	1.30	5.43	H
	3390	-59.03	-13	-46.03	-54.78	-62.83	1.57	7.52	H
									H
									H
									H
	1695	-62.77	-13	-49.77	-51.51	-64.38	1.00	4.75	V
	2542	-60.05	-13	-47.05	-54	-62.03	1.30	5.43	V
	3390	-58.48	-13	-45.48	-54.32	-62.28	1.57	7.52	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	1653	-59.07	-13	-46.07	-47.06	-60.81	0.98	4.87	H
	2480	-59.79	-13	-46.79	-53.08	-61.7	1.28	5.34	H
	3306	-59.28	-13	-46.28	-54.68	-62.73	1.54	7.15	H
									H
									H
									H
									H
	1653	-59.87	-13	-46.87	-48.18	-61.61	0.98	4.87	V
	2480	-58.92	-13	-45.92	-52.65	-60.83	1.28	5.34	V
	3306	-59.10	-13	-46.10	-54.78	-62.55	1.54	7.15	V
									V
	Middle	1673	-61.93	-13	-48.93	-50.06	-63.61	0.99	4.82
2510		-60.11	-13	-47.11	-53.5	-62.07	1.29	5.41	H
3346		-58.87	-13	-45.87	-54.4	-62.49	1.56	7.32	H
									H
									H
									H
									H
1673		-63.69	-13	-50.69	-52.28	-65.37	0.99	4.82	V
2510		-60.07	-13	-47.07	-53.92	-62.03	1.29	5.41	V
3346		-58.21	-13	-45.21	-53.95	-61.83	1.56	7.32	V
									V
Highest		1693	-64.48	-13	-51.48	-52.77	-66.09	1.00	4.76
	2539	-60.59	-13	-47.59	-54.04	-62.57	1.30	5.43	H
	3386	-58.31	-13	-45.31	-54	-62.09	1.57	7.50	H
									H
									H
									H
									H
	1693	-62.29	-13	-49.29	-51.02	-63.9	1.00	4.76	V
	2539	-59.24	-13	-46.24	-53.19	-61.22	1.30	5.43	V
	3386	-58.11	-13	-45.11	-53.93	-61.89	1.57	7.50	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	1658	-60.68	-13	-47.68	-48.67	-62.41	0.98	4.86	H
	2487	-59.59	-13	-46.59	-52.87	-61.51	1.29	5.36	H
	3316	-59.32	-13	-46.32	-54.72	-62.81	1.55	7.19	H
									H
									H
									H
									H
	1658	-61.51	-13	-48.51	-49.97	-63.24	0.98	4.86	V
	2487	-58.93	-13	-45.93	-52.65	-60.85	1.29	5.36	V
	3316	-58.81	-13	-45.81	-54.49	-62.3	1.55	7.19	V
									V
	Middle	1676	-62.95	-13	-49.95	-51.08	-64.62	0.99	4.81
2512		-59.59	-13	-46.59	-52.98	-61.56	1.29	5.41	H
3344		-58.88	-13	-45.88	-54.4	-62.49	1.56	7.31	H
									H
									H
									H
									H
1676		-63.73	-13	-50.73	-52.32	-65.4	0.99	4.81	V
2512		-60.15	-13	-47.15	-54	-62.12	1.29	5.41	V
3344		-58.27	-13	-45.27	-54.01	-61.88	1.56	7.31	V
									V
Highest		1688	-63.34	-13	-50.34	-51.47	-64.97	1.00	4.77
	2532	-60.75	-13	-47.75	-54.16	-62.72	1.30	5.43	H
	3376	-58.35	-13	-45.35	-54.03	-62.09	1.57	7.45	H
									H
									H
									H
									H
	1688	-61.08	-13	-48.08	-49.67	-62.71	1.00	4.77	V
	2532	-60.47	-13	-47.47	-54.37	-62.44	1.30	5.43	V
	3376	-59.14	-13	-46.14	-54.95	-62.88	1.57	7.45	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)	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	7506	-40.17	-25	-15.17	-44.07	-62.39	2.34	9.70	H
	10008	-43.82	-25	-18.82	-51.45	-52.11	2.43	11.80	H
	15012	-41.87	-25	-16.87	-60.39	-62.22	2.70	12.20	H
	12510	-55.61	-25	-30.61	-68.18	-65.22	2.81	12.41	H
	15012	-46.32	-25	-21.32	-58.94	-56.33	3.60	13.62	H
									H
	7506	-40.14	-25	-15.14	-44.32	-62.88	2.34	9.70	V
	10008	-44.09	-25	-19.09	-51.7	-48.76	2.43	11.80	V
	15012	-39.55	-25	-14.55	-53.15	-55.06	2.70	12.20	V
	12510	-51.27	-25	-26.27	-63.04	-60.88	2.81	12.41	V
	15012	-41.11	-25	-16.11	-54.15	-51.12	3.60	13.62	V
									V
Middle	5070	-53.76	-25	-28.76	-53.71	-61.06	2.38	9.70	H
	7602	-39.21	-25	-14.21	-43.44	-52.22	2.40	11.86	H
	10134	-47.31	-25	-22.31	-57.21	-63.05	2.70	12.25	H
	15210	-45.08	-25	-20.08	-60.52	-62.55	2.85	12.61	H
	15210	-47.85	-25	-22.85	-57.49	-58.06	3.69	13.89	H
									H
	5070	-53.28	-25	-28.28	-53.03	-62.01	2.38	9.70	V
	7602	-37.88	-25	-12.88	-42.4	-46.55	2.40	11.86	V
	10134	-47.61	-25	-22.61	-57.21	-58.88	2.70	12.25	V
	15210	-44.58	-25	-19.58	-60.52	-58.22	2.85	12.61	V
	15210	-43.84	-25	-18.84	-57.49	-54.05	3.69	13.89	V
									V
Highest	7704	-39.14	-25	-14.14	-43.66	-58.11	2.42	9.70	H
	10260	-47.26	-25	-22.26	-55.39	-53.39	2.36	11.92	H
	12834	-45.03	-25	-20.03	-63.79	-65.06	2.69	12.31	H
	15408	-44.81	-25	-19.81	-64.73	-61.79	2.89	12.80	H
	15408	-49.71	-25	-24.71	-64.2	-60.11	3.77	14.17	H
									H
	7704	-38.77	-25	-13.77	-43.64	-61.22	2.42	9.70	V
	10260	-47.24	-25	-22.24	-55.34	-48.59	2.36	11.92	V
	12834	-45.82	-25	-20.82	-56.6	-58.06	2.69	12.31	V
	15408	-44.39	-25	-19.39	-59.36	-56.99	2.89	12.80	V
	15408	-46.86	-25	-21.86	-61.35	-57.26	3.77	14.17	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	4998	-52.88	-25	-27.88	-52.49	-63.02	2.34	9.70	H
	7500	-48.39	-25	-23.39	-52.21	-51.22	2.42	11.81	H
	10008	-49.22	-25	-24.22	-59.66	-61.33	2.70	12.21	H
	14994	-49.78	-25	-24.78	-68.43	-65.59	2.81	12.43	H
	15030	-46.05	-25	-21.05	-58.83	-56.08	3.61	13.64	H
	17532	-54.29	-25	-29.29	-70.82	-64.66	3.81	14.18	H
									H
	4998	-52.21	-25	-27.21	-51.7	-63.22	2.34	9.70	V
	7500	-41.04	-25	-16.04	-45.12	-48.77	2.42	11.81	V
	10008	-46.89	-25	-21.89	-51.89	-53.69	2.70	12.21	V
	14994	-42.41	-25	-17.41	-63.86	-61.66	2.81	12.43	V
	15030	-41.99	-25	-16.99	-54.93	-52.02	3.61	13.64	V
	17532	-52.29	-25	-27.29	-68.01	-62.66	3.81	14.18	V
									V
Middle	5064	-48.51	-25	-23.51	-48.45	-61.11	2.38	9.70	H
	7590	-40.46	-25	-15.46	-44.67	-51.44	2.39	11.86	H
	15192	-45.95	-25	-20.95	-64.11	-65.62	2.70	12.25	H
	12672	-55.25	-25	-30.25	-67.93	-65.01	2.85	12.61	H
	15210	-49.23	-25	-24.23	-62.87	-59.44	3.69	13.89	H
									H
									H
	5064	-52.79	-25	-27.79	-52.56	-62.11	2.38	9.70	V
	7590	-34.98	-25	-9.98	-39.5	-46.05	2.39	11.86	V
	15174	-40.86	-25	-15.86	-56.13	-57.71	2.70	12.25	V
	12672	-49.83	-25	-24.83	-62	-59.59	2.85	12.61	V
	15210	-42.67	-25	-17.67	-55.31	-52.88	3.69	13.89	V
									V
									V
Highest	5124	-51.46	-25	-26.46	-51.79	-57.02	2.41	9.70	H
	7680	-40.61	-25	-15.61	-45.07	-53.56	2.37	11.92	H
	10242	-45.78	-25	-20.78	-61.75	-62.98	2.69	12.30	H
	15354	-44.97	-25	-19.97	-63.96	-61.05	2.89	12.80	H
	15390	-46.94	-25	-21.94	-61.3	-57.33	3.76	14.15	H
									H
									H
	5124	-53.18	-25	-28.18	-53.32	-60.66	2.41	9.70	V
	7680	-39.51	-25	-14.51	-44.22	-46.49	2.37	11.92	V
	10242	-46.88	-25	-21.88	-56.69	-58.05	2.69	12.30	V
	15354	-42.16	-25	-17.16	-58.53	-56.05	2.89	12.80	V
	15390	-44.38	-25	-19.38	-58.52	-54.77	3.76	14.15	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	4998	-53.67	-25	-28.67	-53.29	-62.53	2.34	9.70	H
	7500	-41.44	-25	-16.44	-45.33	-51.46	2.43	11.80	H
	10008	-45.79	-25	-20.79	-60.38	-62	2.70	12.20	H
	15012	-41.06	-25	-16.06	-68.24	-65.07	2.81	12.41	H
	15012	-46.19	-25	-21.19	-59.08	-56.2	3.60	13.62	H
									H
									H
	4998	-53.59	-25	-28.59	-53.01	-63.53	2.34	9.70	V
	7500	-39.84	-25	-14.84	-43.95	-46.58	2.43	11.80	V
	10008	-43.76	-25	-18.76	-53.71	-55.4	2.70	12.20	V
	15012	-40.91	-25	-15.91	-62.3	-59.87	2.81	12.41	V
	15012	-42.35	-25	-17.35	-55.53	-52.36	3.60	13.62	V
									V
									V
Middle	5060	-54.04	-25	-29.04	-54.02	-63.43	2.37	9.70	H
	7584	-39.18	-25	-14.18	-43.35	-54.12	2.40	11.85	H
	10116	-46.97	-25	-21.97	-63.8	-65.23	2.70	12.25	H
	15174	-43.41	-25	-18.41	-68.99	-66.03	2.84	12.56	H
	15174	-46.78	-25	-21.78	-60.39	-56.95	3.67	13.84	H
									H
									H
	5060	-53.78	-25	-28.78	-53.55	-63.67	2.37	9.70	V
	7584	-39.28	-25	-14.28	-43.71	-46.61	2.40	11.85	V
	10116	-47.04	-25	-22.04	-57	-58.52	2.70	12.25	V
	15174	-44.09	-25	-19.09	-62.15	-59.68	2.84	12.56	V
	15174	-42.44	-25	-17.44	-56.2	-52.61	3.67	13.84	V
									V
									V
Highest	5115	-52.91	-25	-27.91	-53.14	-57.07	2.40	9.70	H
	7668	-40.08	-25	-15.08	-44.52	-51.12	2.38	11.90	H
	10224	-44.79	-25	-19.79	-63.79	-64.99	2.69	12.29	H
	15336	-45.16	-25	-20.16	-66.56	-63.49	2.87	12.74	H
	15336	-47.93	-25	-22.93	-62.2	-58.26	3.74	14.07	H
									H
									H
	5115	-52.84	-25	-27.84	-52.88	-59.89	2.40	9.70	V
	7668	-39.88	-25	-14.88	-44.64	-47.14	2.38	11.90	V
	10224	-45.86	-25	-20.86	-55.31	-56.62	2.69	12.29	V
	15336	-43.74	-25	-18.74	-62.26	-59.74	2.87	12.74	V
	15336	-44.05	-25	-19.05	-58.34	-54.38	3.74	14.07	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	7530	-40.76	-25	-15.76	-44.74	-62.9	2.35	9.70	H
	10044	-43.29	-25	-18.29	-50.98	-50.96	2.42	11.82	H
	15066	-43.06	-25	-18.06	-60.58	-62.14	2.70	12.22	H
	12546	-56.22	-25	-31.22	-69.02	-65.86	2.82	12.46	H
	15066	-46.15	-25	-21.15	-59.25	-56.22	3.63	13.69	H
									H
									H
	7530	-40.68	-25	-15.68	-44.85	-61.28	2.35	9.70	V
	10044	-43.88	-25	-18.88	-51.5	-47.66	2.42	11.82	V
	15066	-43.29	-25	-18.29	-51.94	-53.57	2.70	12.22	V
	12546	-52.36	-25	-27.36	-64.44	-62	2.82	12.46	V
	15066	-40.78	-25	-15.78	-54.13	-50.85	3.63	13.69	V
									V
									V
Middle	7602	-38.06	-25	-13.06	-42.29	-61.89	2.38	9.70	H
	10134	-47.97	-25	-22.97	-55.89	-51.25	2.40	11.86	H
	15210	-43.68	-25	-18.68	-63.5	-64.9	2.70	12.25	H
	12672	-53.22	-25	-28.22	-66.1	-62.98	2.85	12.61	H
	15210	-50.21	-25	-25.21	-63.97	-60.42	3.69	13.89	H
									H
									H
	7602	-37.76	-25	-12.76	-42.28	-61.39	2.38	9.70	V
	10134	-47.11	-25	-22.11	-54.9	-46.5	2.40	11.86	V
	15210	-45.87	-25	-20.87	-57.2	-58.69	2.70	12.25	V
	12672	-49.03	-25	-24.03	-61.28	-58.79	2.85	12.61	V
	15210	-44.64	-25	-19.64	-58.52	-54.85	3.69	13.89	V
									V
									V
Highest	7680	-40.02	-25	-15.02	-44.57	-57.54	2.40	9.70	H
	10242	-46.26	-25	-21.26	-54.3	-53.29	2.37	11.91	H
	12798	-45.46	-25	-20.46	-62.09	-63.27	2.69	12.30	H
	15354	-43.48	-25	-18.48	-63.68	-60.62	2.88	12.76	H
	15354	-48.02	-25	-23.02	-62.36	-58.37	3.75	14.10	H
									H
									H
	7680	-40.13	-25	-15.13	-44.95	-59.76	2.40	9.70	V
	10242	-46.61	-25	-21.61	-54.65	-47.31	2.37	11.91	V
	12798	-45.29	-25	-20.29	-54.96	-56.25	2.69	12.30	V
	15354	-45.66	-25	-20.66	-60.18	-57.66	2.88	12.76	V
	15354	-41.84	-25	-16.84	-56.18	-52.19	3.75	14.10	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	1560	-62.38	-42.15	-20.23	-49.22	-64.42	0.94	5.13	H
	2328	-61.29	-13	-48.29	-53.59	-62.79	1.24	4.88	H
	3108	-59.88	-13	-46.88	-54.17	-62.52	1.48	6.28	H
									H
									H
									H
	1560	-61.81	-42.15	-19.66	-49.14	-63.85	0.94	5.13	V
	2328	-60.92	-13	-47.92	-53.62	-62.42	1.24	4.88	V
	3108	-59.33	-13	-46.33	-54.48	-61.97	1.48	6.28	V
									V
									V
Middle	1560	-59.81	-42.15	-17.66	-46.72	-61.85	0.94	5.13	H
	2336	-60.74	-13	-47.74	-53.13	-62.26	1.24	4.91	H
	3120	-59.49	-13	-46.49	-53.88	-62.18	1.49	6.33	H
									H
									H
									H
	1560	-59.76	-42.15	-17.61	-47.08	-61.80	0.94	5.13	V
	2336	-59.89	-13	-46.89	-52.63	-61.41	1.24	4.91	V
	3120	-59.07	-13	-46.07	-54.14	-61.76	1.49	6.33	V
									V
									V
Highest	1568	-59.36	-42.15	-17.21	-46.21	-61.38	0.94	5.11	H
	2344	-61.33	-13	-48.33	-53.68	-62.87	1.24	4.93	H
	3136	-60.42	-13	-47.42	-54.82	-63.18	1.49	6.40	H
									H
									H
									H
	1568	-59.84	-42.15	-17.69	-47.17	-61.86	0.94	5.11	V
	2344	-60.58	-13	-47.58	-53.37	-62.12	1.24	4.93	V
	3136	-59.31	-13	-46.31	-54.41	-62.07	1.49	6.40	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	1560	-60.98	-42.15	-18.83	-47.81	-63.02	0.94	5.13	H
	2336	-61.51	-13	-48.51	-53.83	-63.03	1.24	4.91	H
	3104	-58.36	-13	-45.36	-52.65	-60.99	1.48	6.26	H
									H
									H
									H
									H
	1560	-60.72	-42.15	-18.57	-47.99	-62.76	0.94	5.13	V
	2336	-60.55	-13	-47.55	-53.28	-62.07	1.24	4.91	V
	3104	-59.82	-13	-46.82	-54.83	-62.45	1.48	6.26	V
									V
									V
									V
									V

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