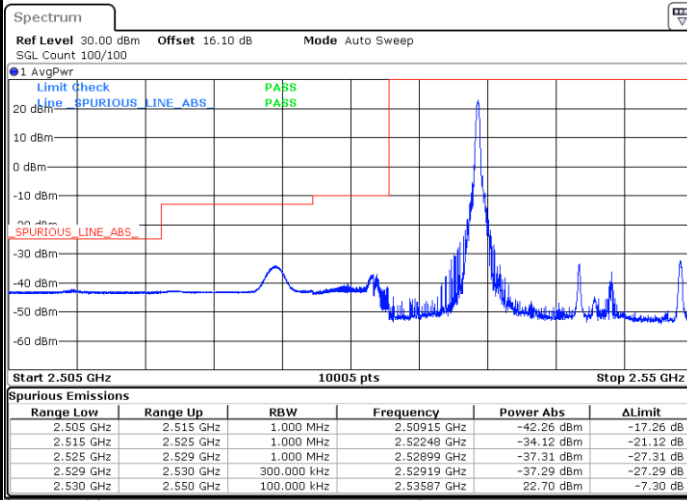




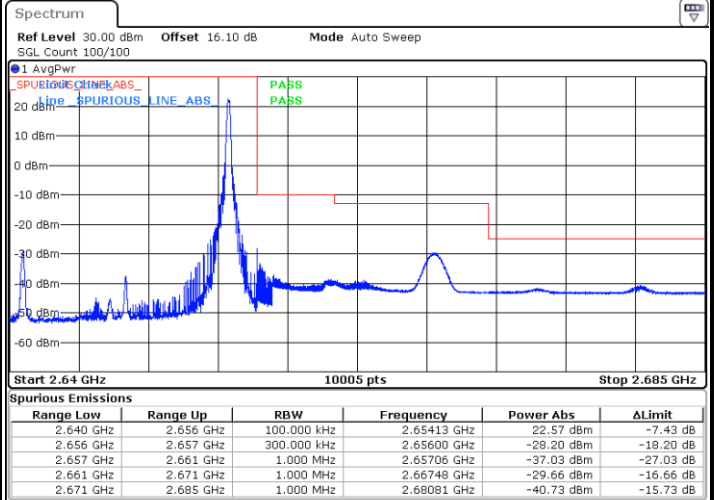
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



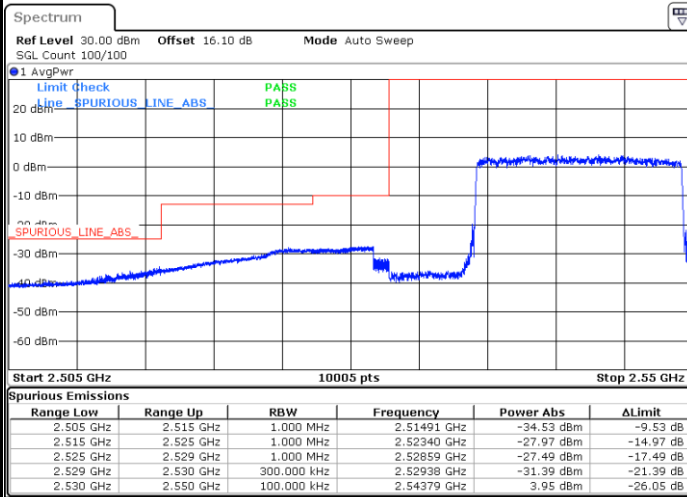
Date: 23.FEB.2018 01:32:16

Highest Band Edge / 1 RB



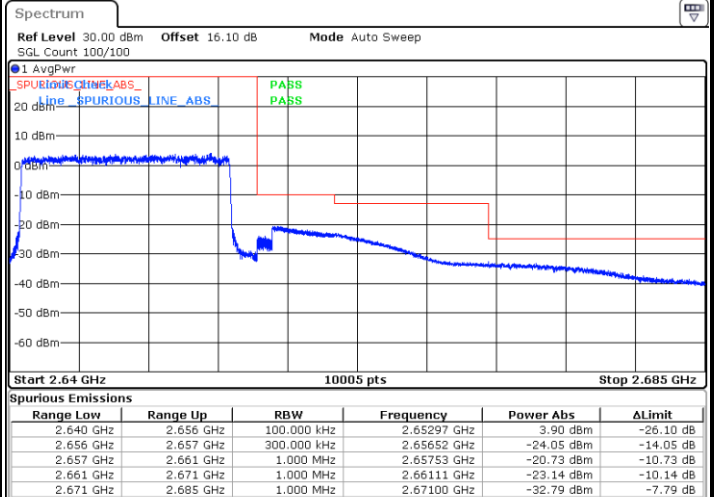
Date: 23.FEB.2018 01:40:46

Lowest Band Edge / Full RB



Date: 23.FEB.2018 01:34:41

Highest Band Edge / Full RB

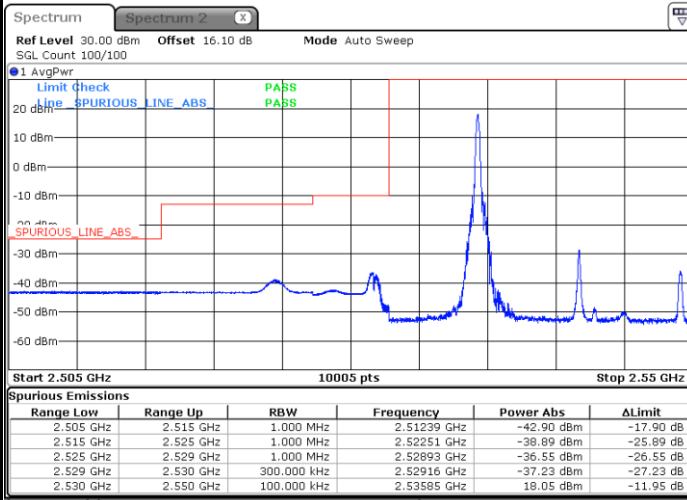


Date: 23.FEB.2018 01:43:03



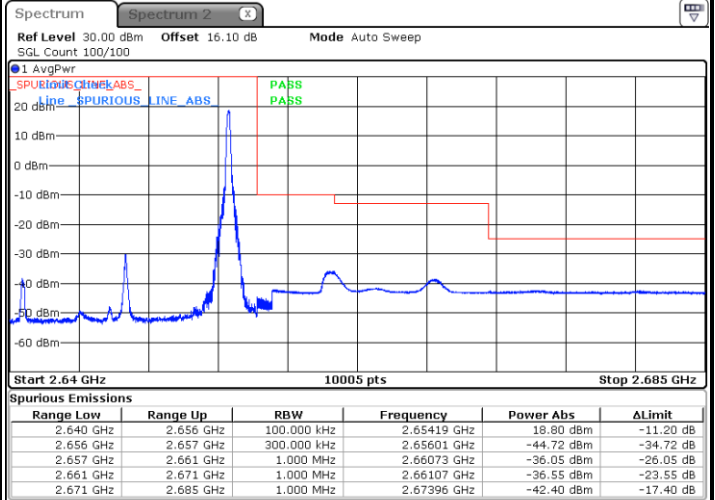
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



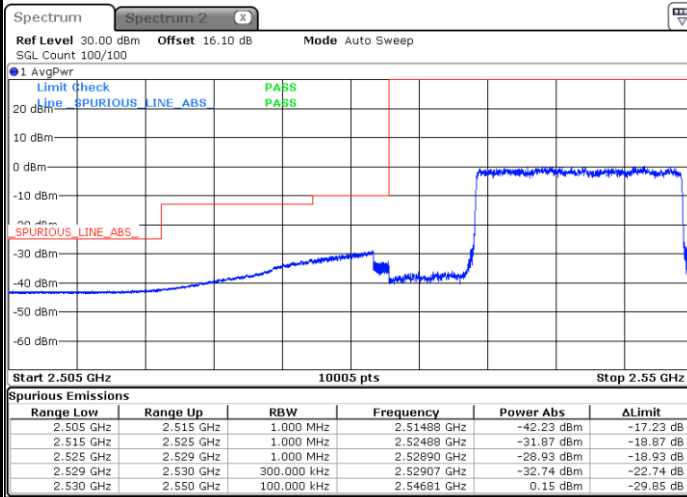
Date: 2 MAR 2018 19:36:06

Highest Band Edge / 1 RB



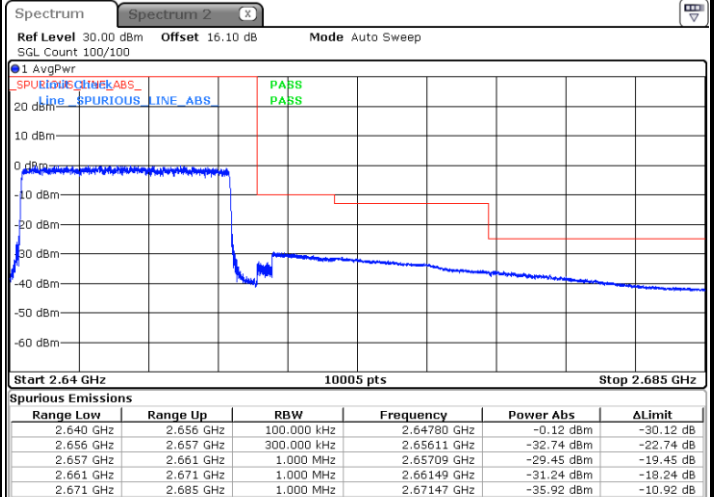
Date: 2 MAR 2018 19:40:28

Lowest Band Edge / Full RB



Date: 2 MAR 2018 19:37:21

Highest Band Edge / Full RB

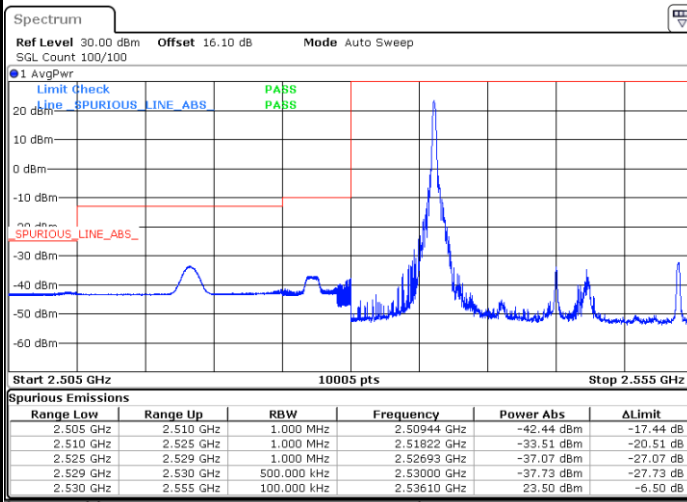


Date: 2 MAR 2018 19:41:36



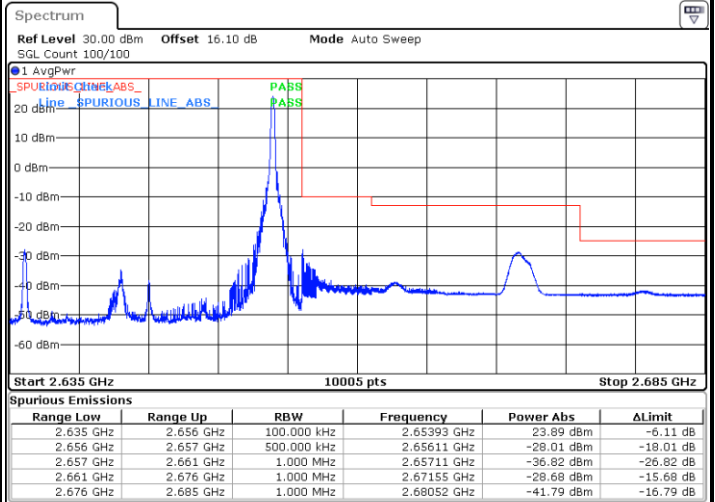
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



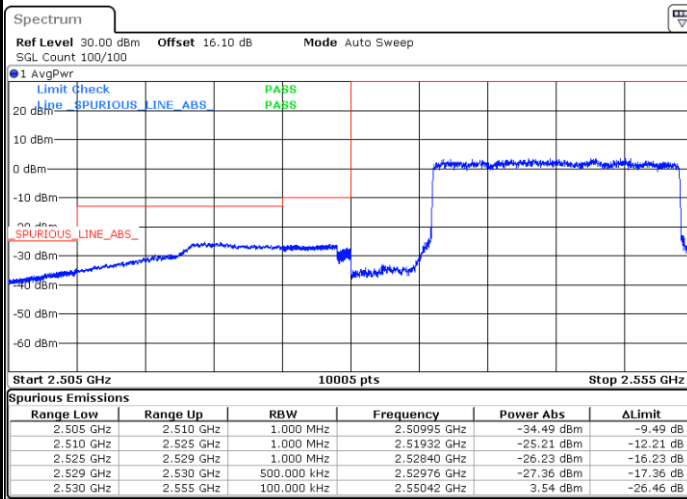
Date: 23.FEB.2018 01:46:10

Highest Band Edge / 1 RB



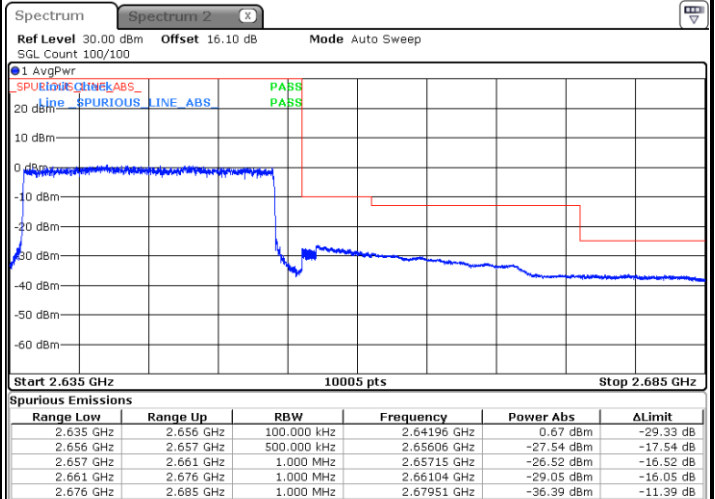
Date: 23.FEB.2018 01:54:45

Lowest Band Edge / Full RB



Date: 23.FEB.2018 01:48:34

Highest Band Edge / Full RB

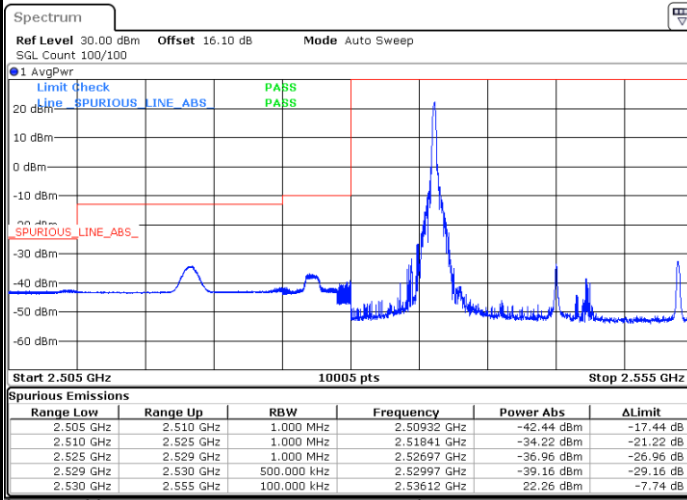


Date: 2.MAR.2018 19:59:03



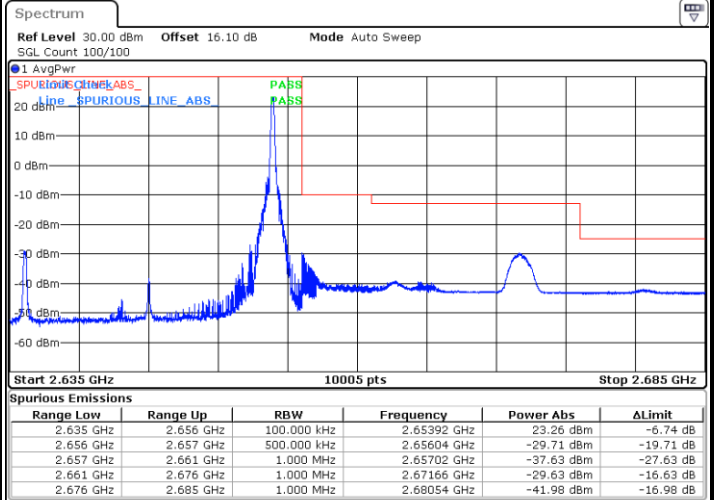
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



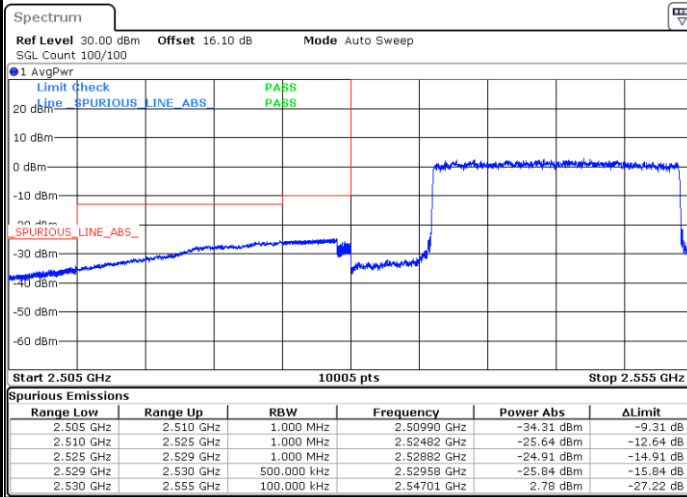
Date: 23.FEB.2018 01:47:22

Highest Band Edge / 1 RB



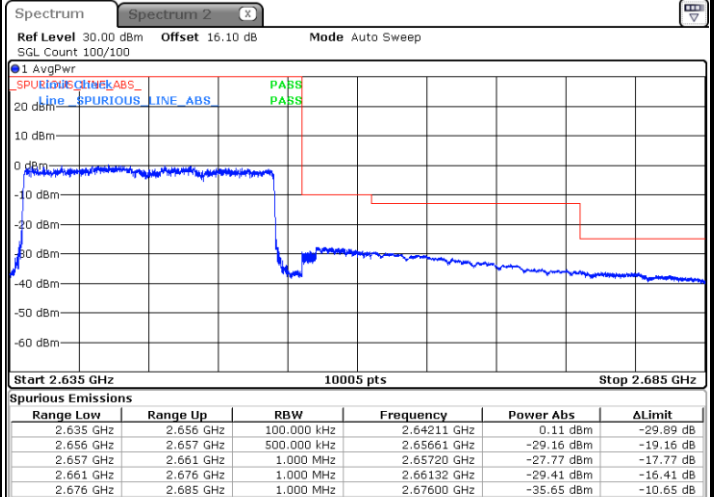
Date: 23.FEB.2018 01:55:53

Lowest Band Edge / Full RB



Date: 23.FEB.2018 01:49:47

Highest Band Edge / Full RB

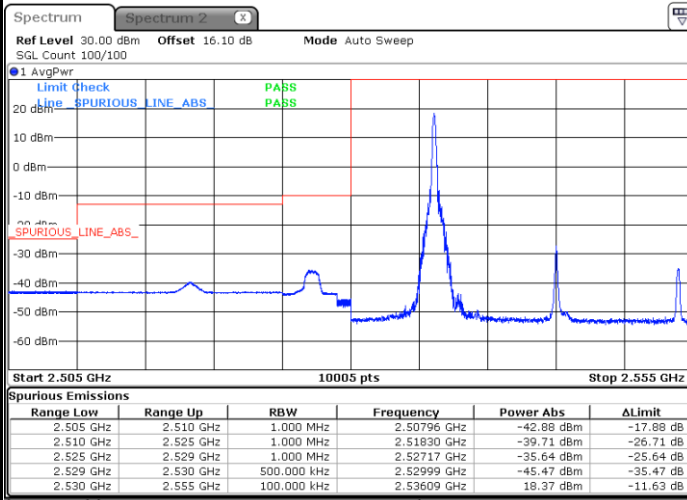


Date: 2.MAR.2018 20:03:08



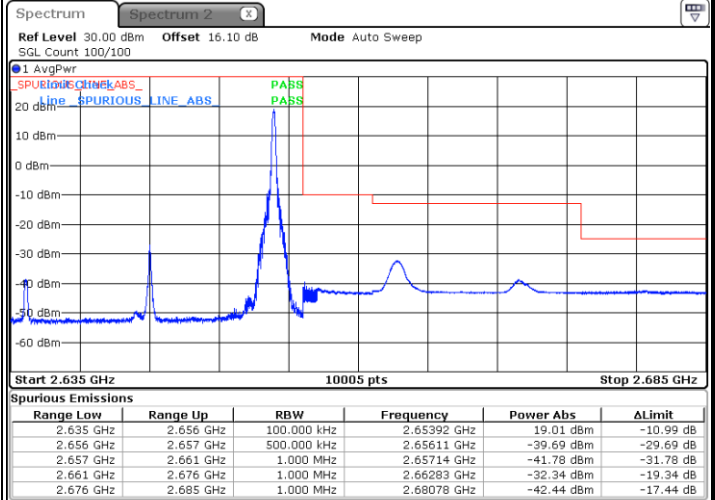
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



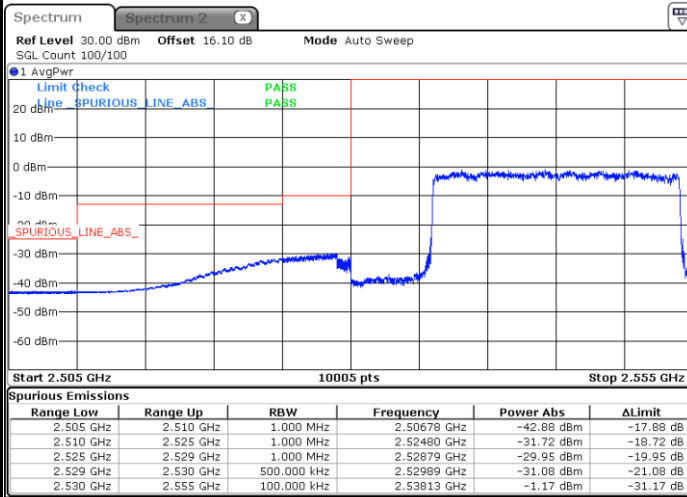
Date: 2 MAR 2018 19:43:51

Highest Band Edge / 1 RB



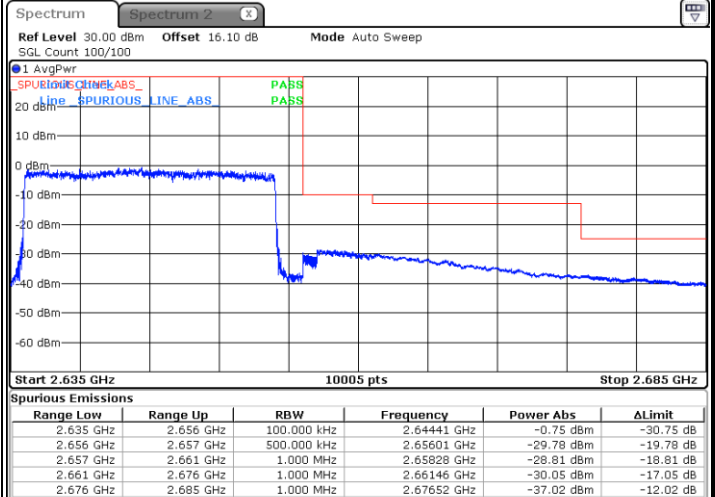
Date: 2 MAR 2018 19:48:13

Lowest Band Edge / Full RB



Date: 2 MAR 2018 19:45:06

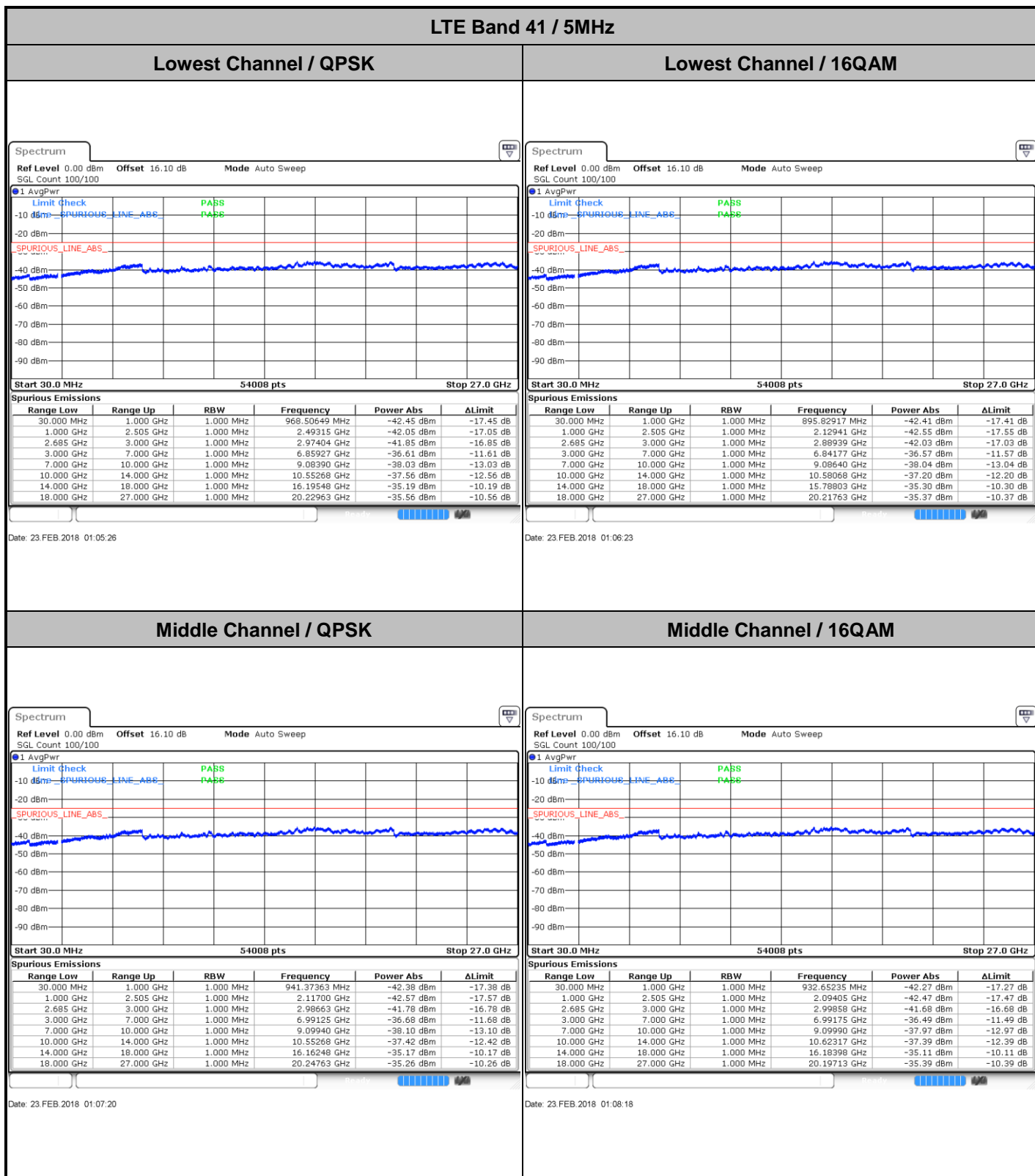
Highest Band Edge / Full RB



Date: 2 MAR 2018 20:07:31



# Conducted Spurious Emission

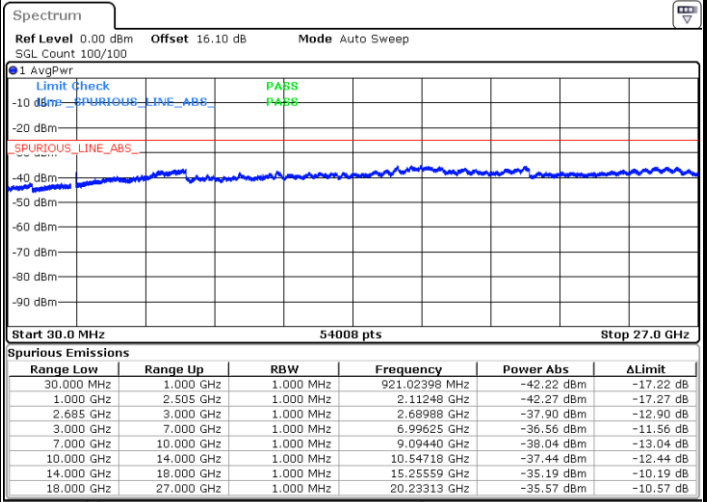
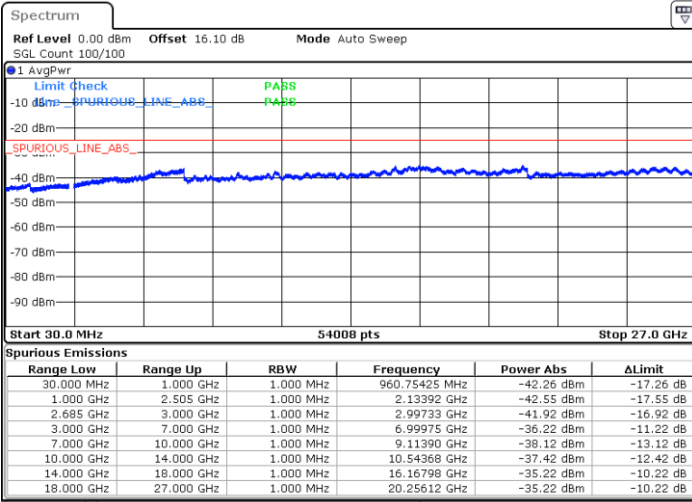




LTE Band 41 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



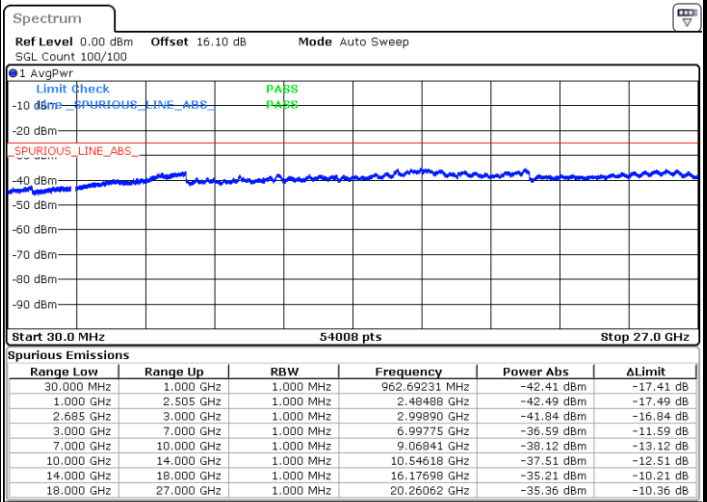
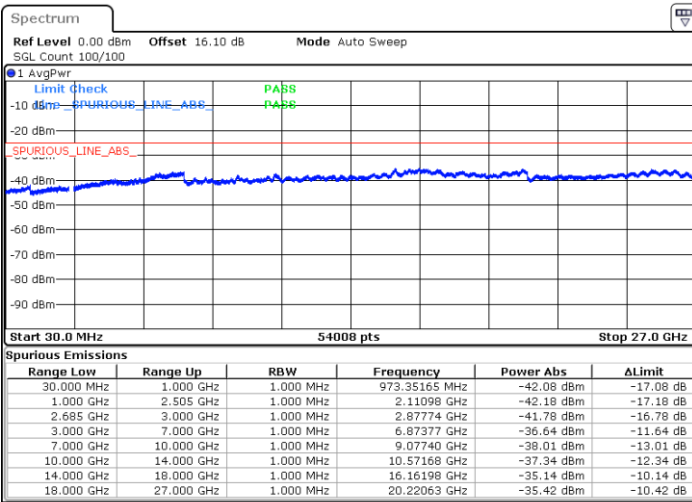
Date: 23 FEB 2018 01:13:48

Date: 23 FEB 2018 01:14:45

LTE Band 41 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 23 FEB 2018 01:20:32

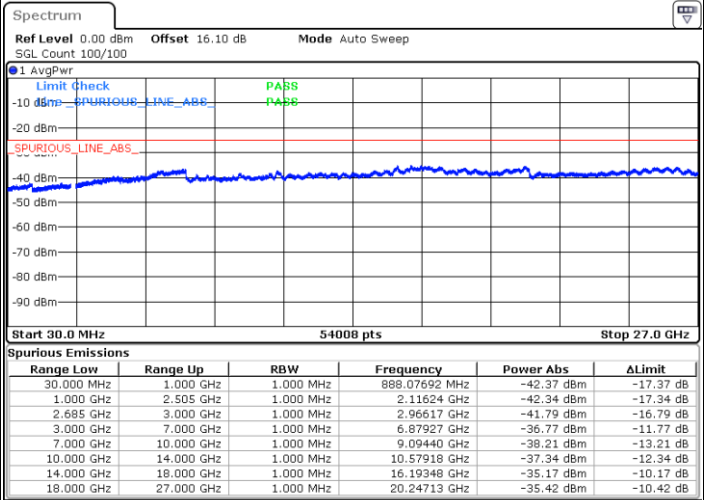
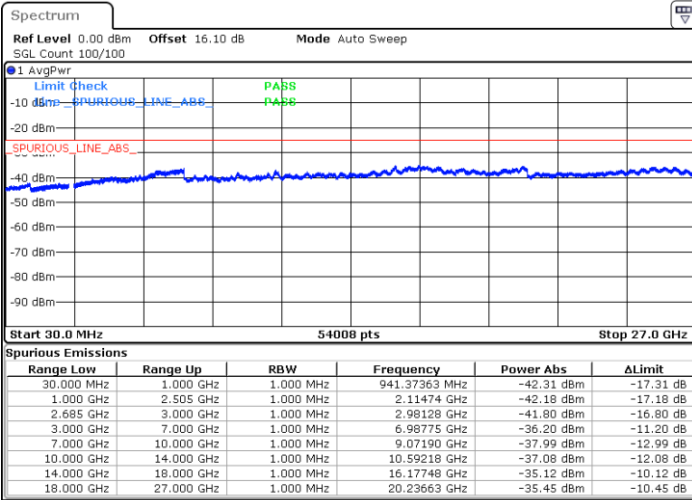
Date: 23 FEB 2018 01:21:29



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

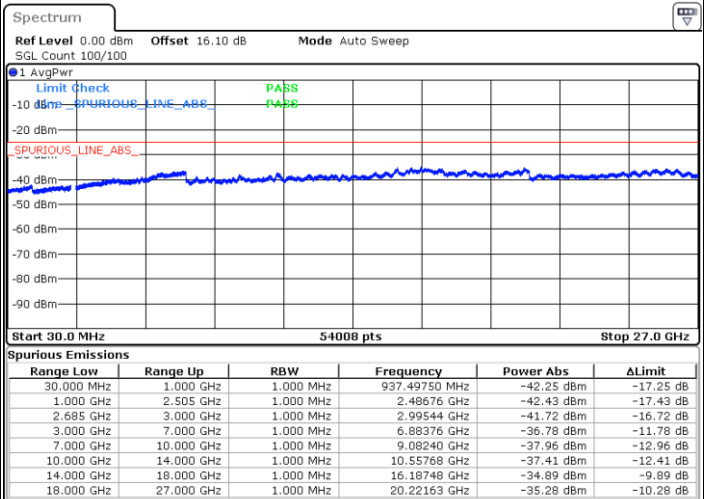
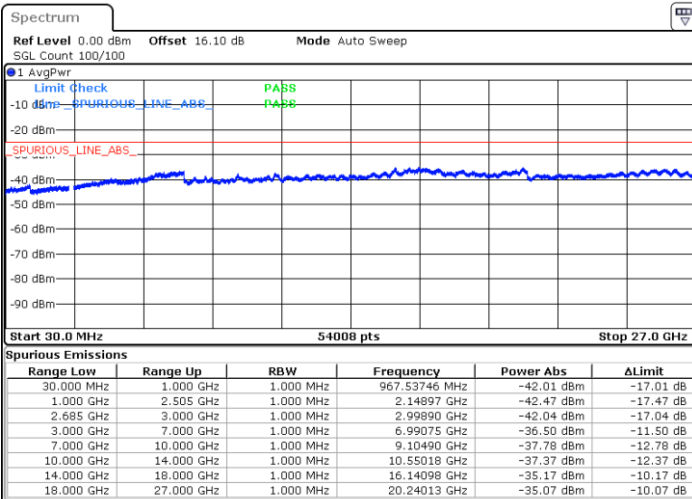


Date: 23 FEB 2018 01:22:27

Date: 23 FEB 2018 01:23:24

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 23 FEB 2018 01:28:54

Date: 23 FEB 2018 01:29:51

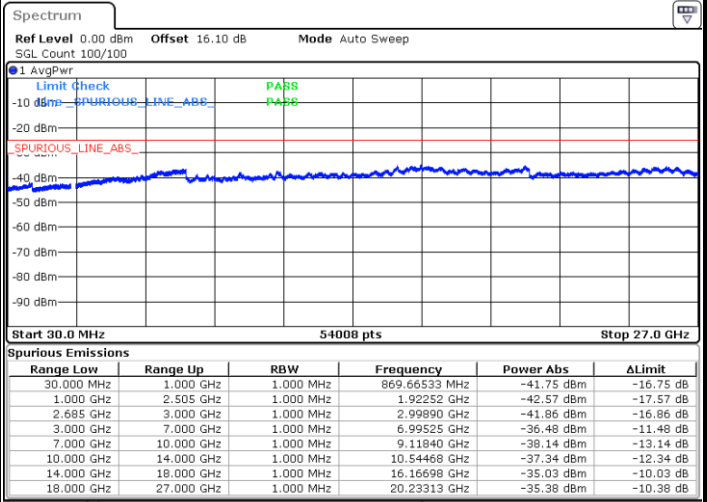
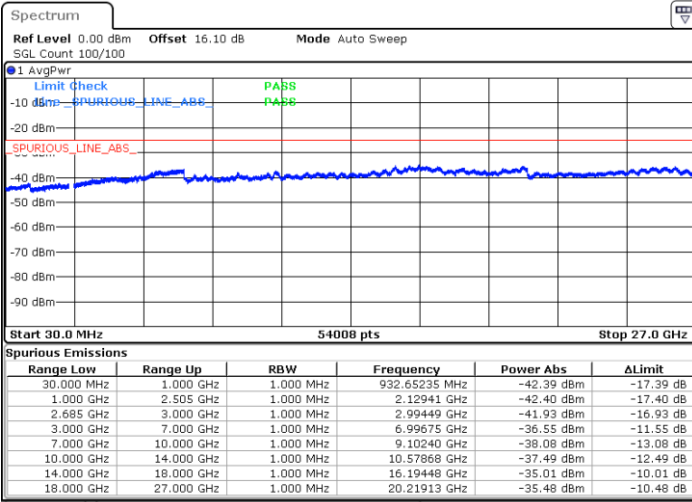




LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

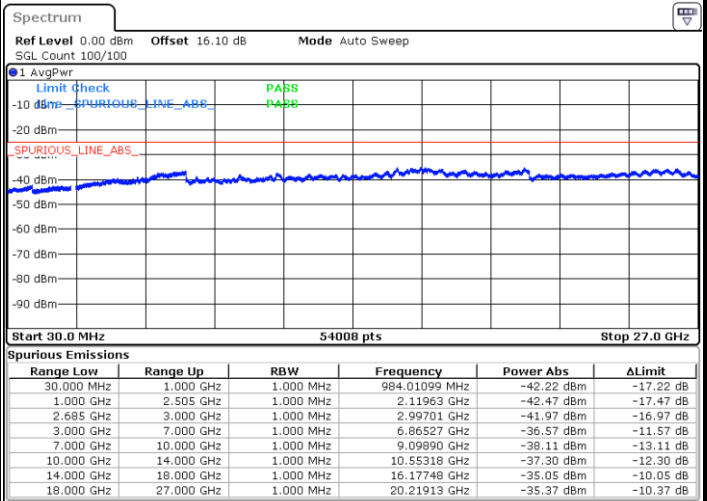
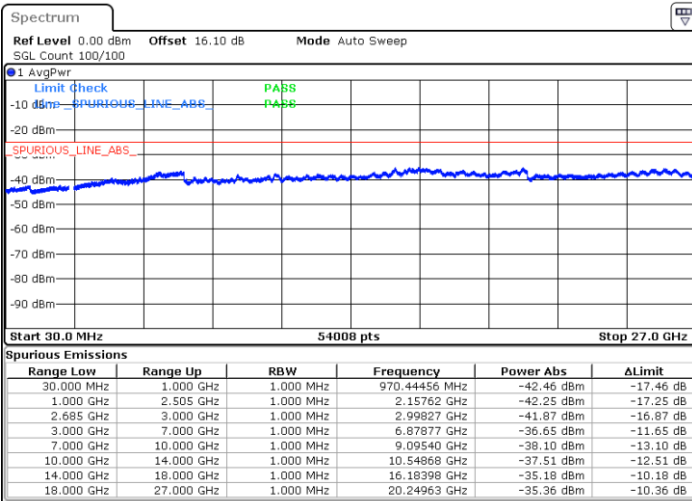


Date: 23 FEB 2018 01:35:38

Date: 23 FEB 2018 01:36:35

Middle Channel / QPSK

Middle Channel / 16QAM



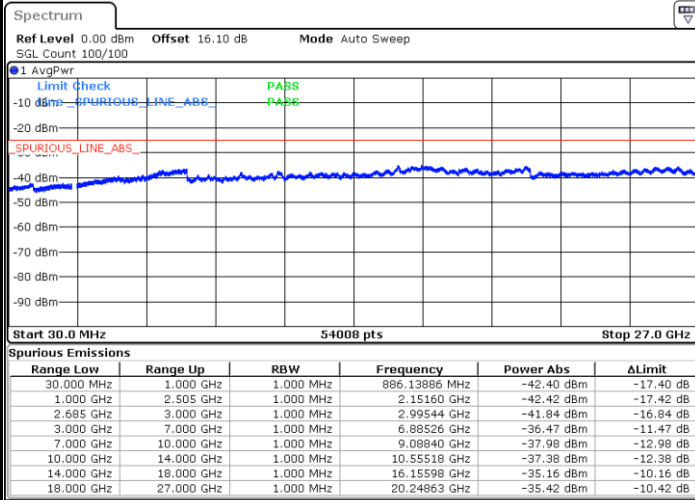
Date: 23 FEB 2018 01:37:33

Date: 23 FEB 2018 01:38:30



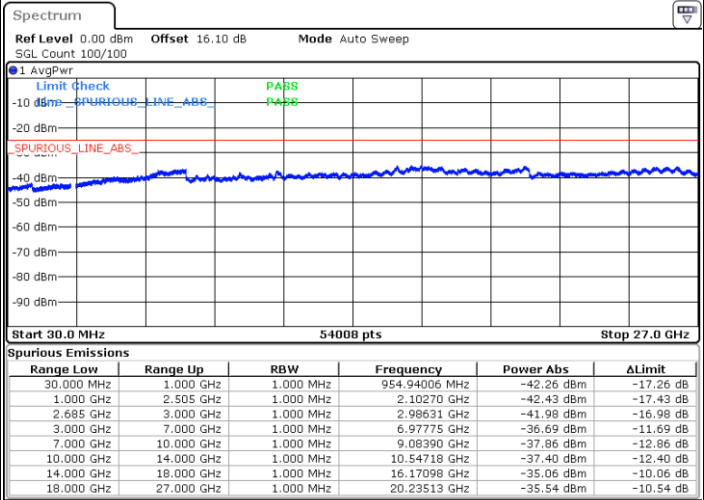
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 23 FEB 2018 01:44:00

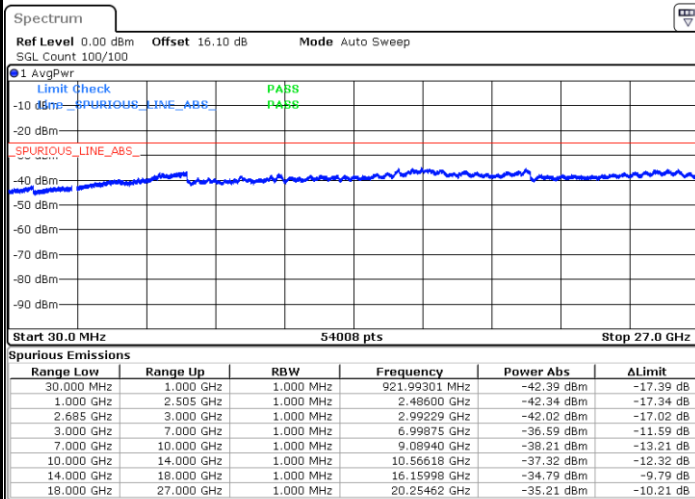
Highest Channel / 16QAM



Date: 23 FEB 2018 01:44:58

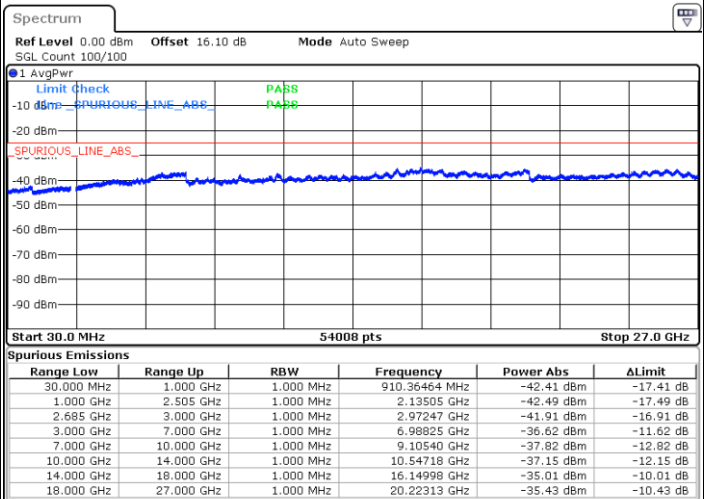
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 23 FEB 2018 01:50:44

Lowest Channel / 16QAM



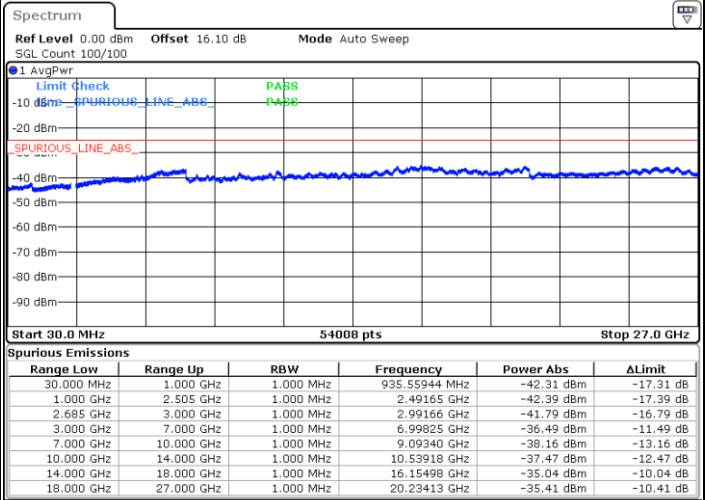
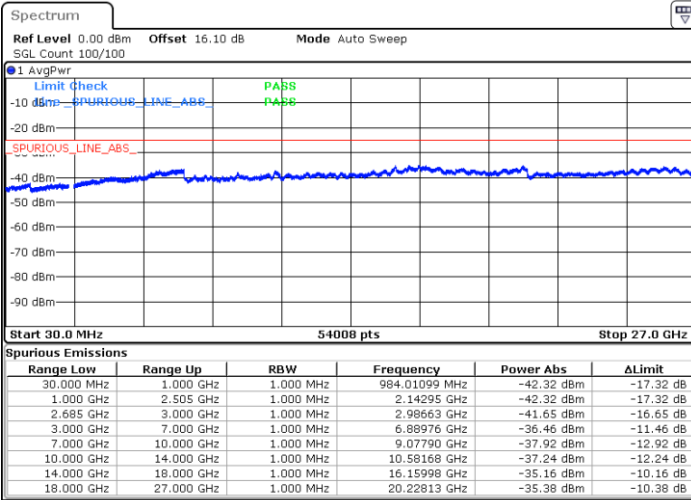
Date: 23 FEB 2018 01:51:42



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

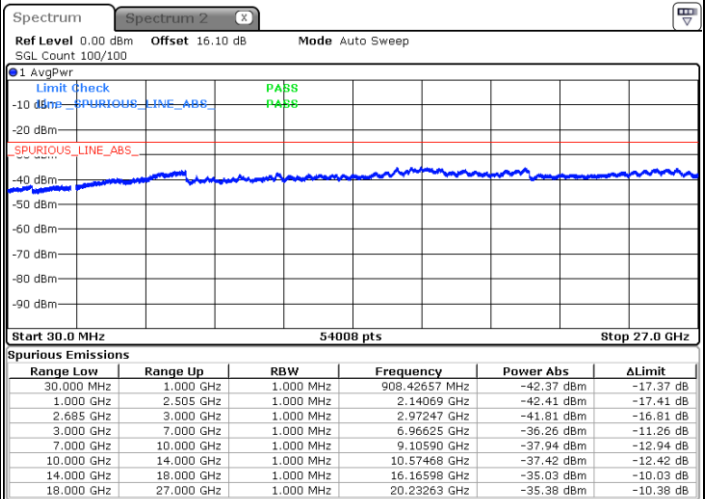
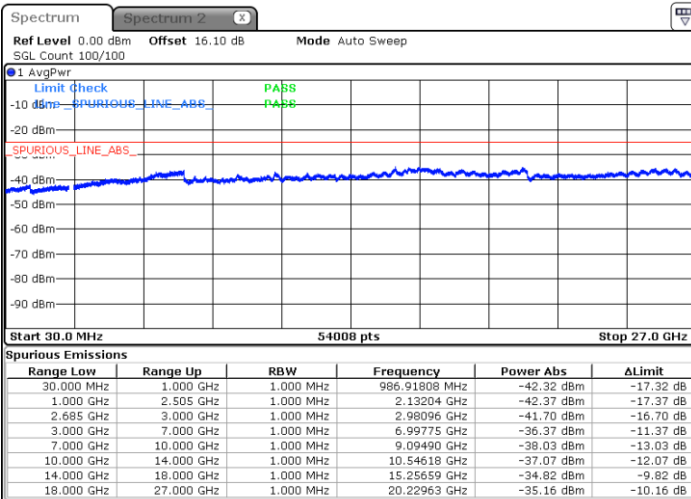


Date: 23 FEB 2018 01:52:40

Date: 23 FEB 2018 01:53:37

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 2 MAR 2018 19:58:30

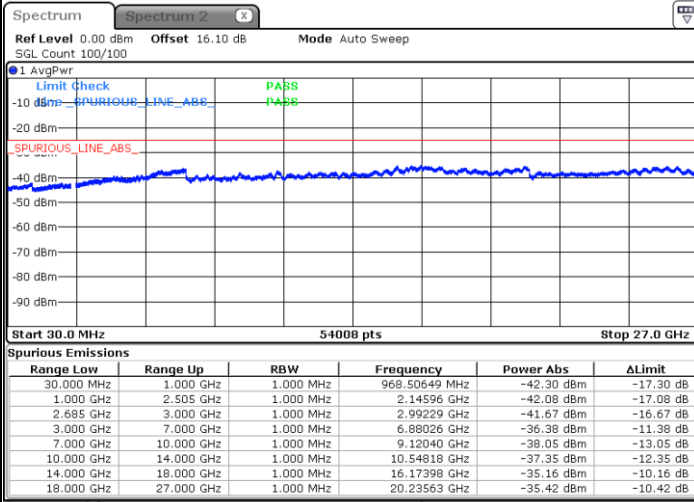
Date: 2 MAR 2018 19:57:32



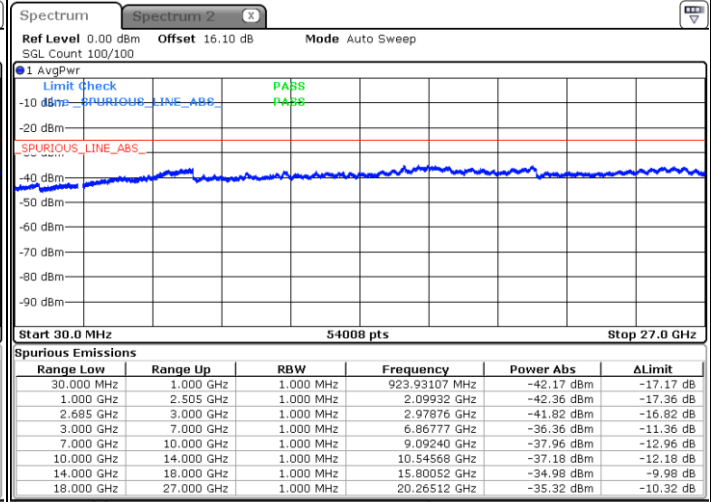
LTE Band 41 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

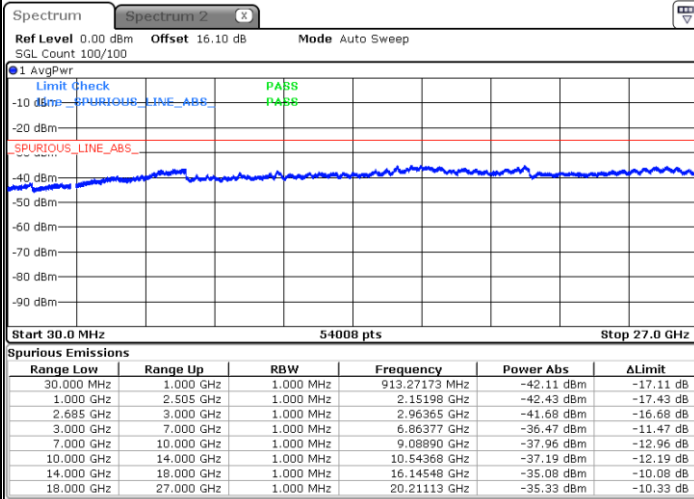


Date: 2.MAR.2018 19:22:50



Date: 2.MAR.2018 19:23:50

Highest Channel / 64QAM



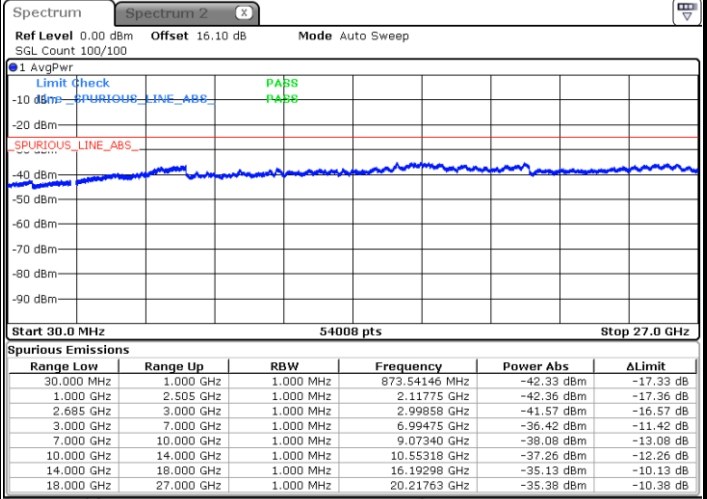
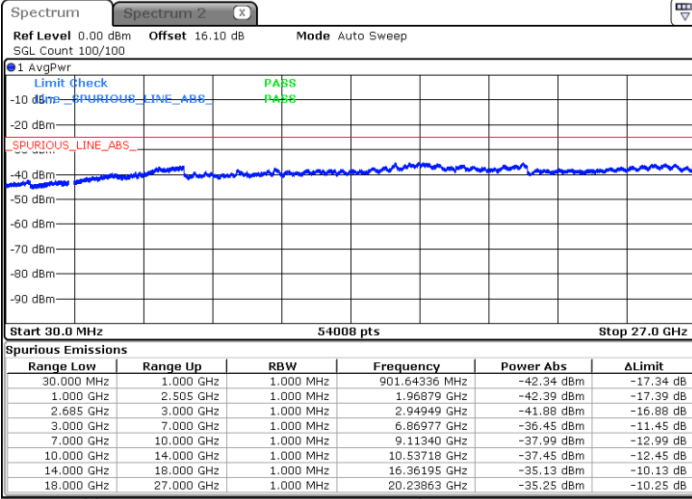
Date: 2.MAR.2018 19:27:07



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

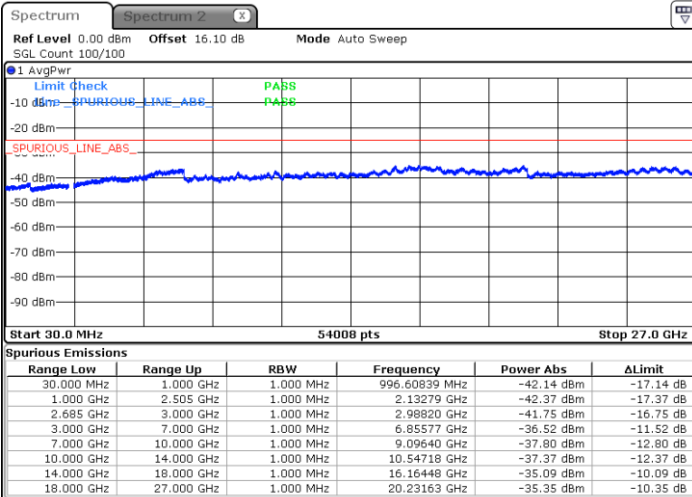
Middle Channel / 64QAM



Date: 2.MAR.2018 19:30:36

Date: 2.MAR.2018 19:31:35

Highest Channel / 64QAM



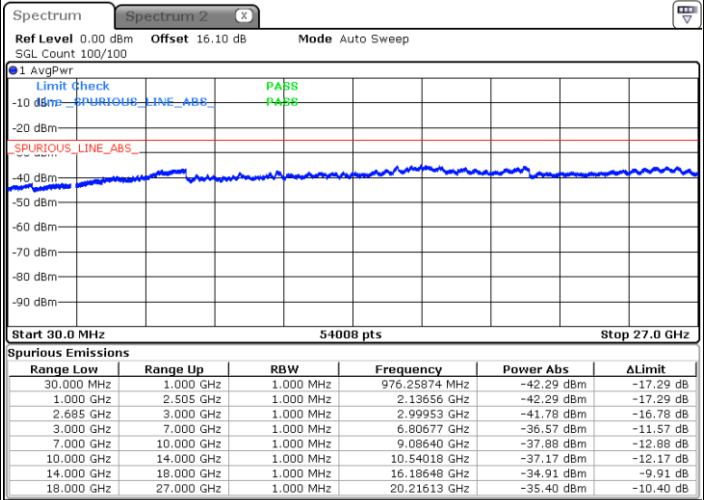
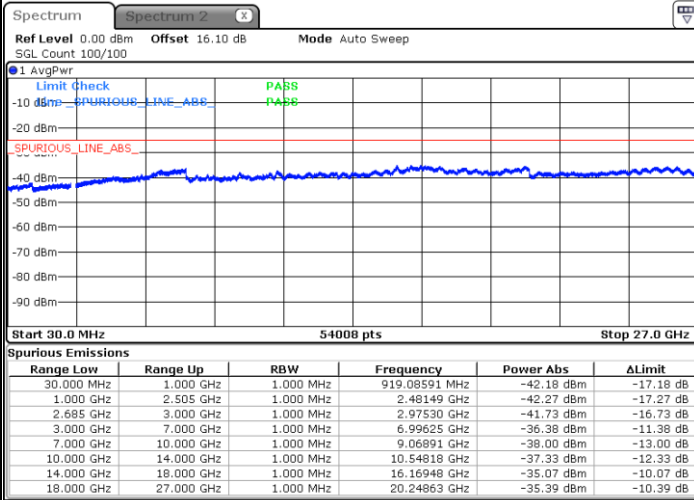
Date: 2.MAR.2018 19:34:52



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

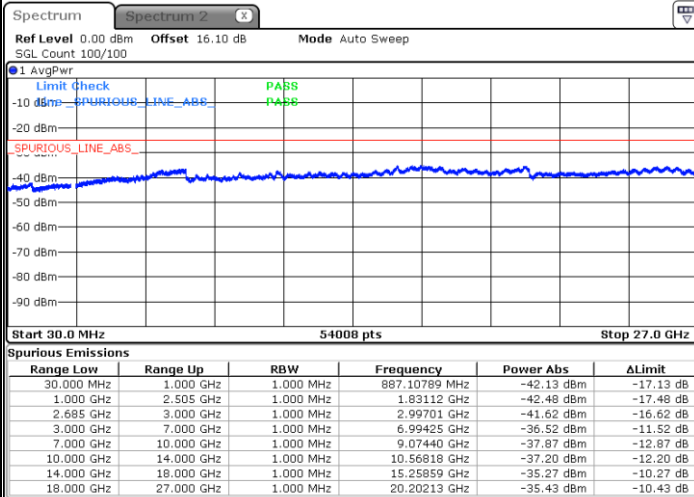
Middle Channel / 64QAM



Date: 2.MAR.2018 19:38:20

Date: 2.MAR.2018 19:39:20

Highest Channel / 64QAM



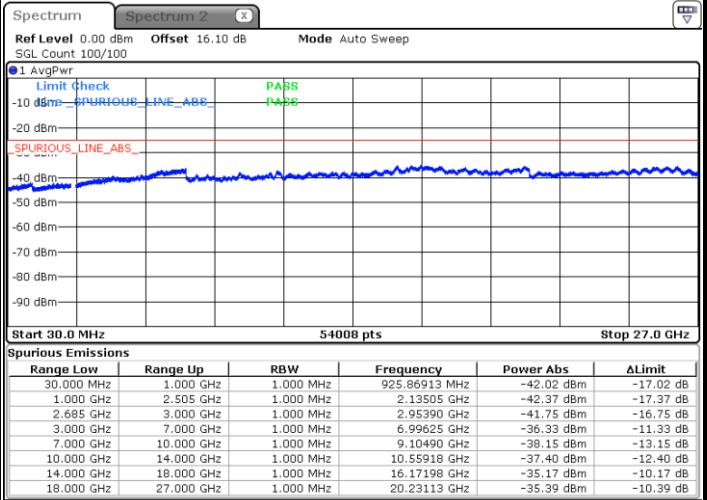
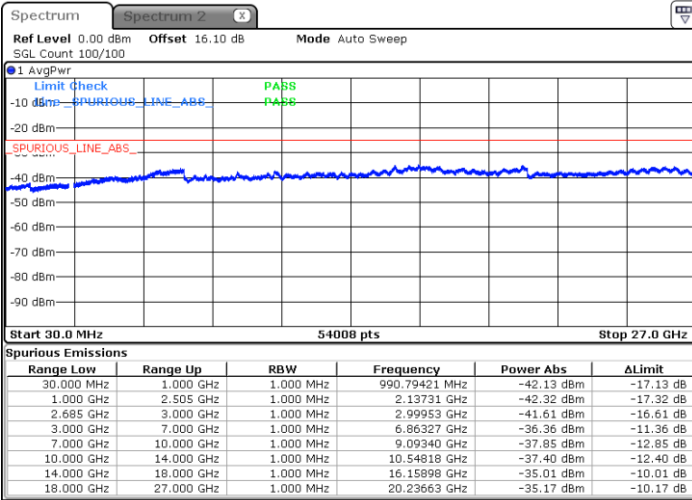
Date: 2.MAR.2018 19:42:36



LTE Band 41 / 20MHz

Lowest Channel / 64QAM

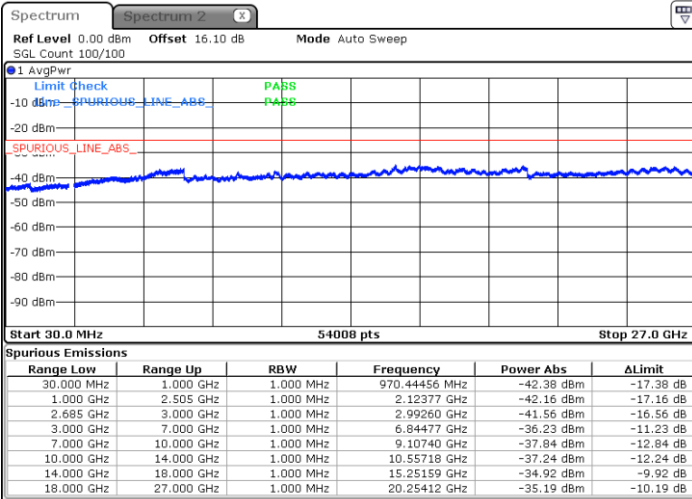
Middle Channel / 64QAM



Date: 2.MAR.2018 19:46:05

Date: 2.MAR.2018 19:47:04

Highest Channel / 64QAM



Date: 2.MAR.2018 19:50:21



### Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0028	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0030	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0044	
0	Normal Voltage	0.0046	
-10	Normal Voltage	0.0040	
-20	Normal Voltage	0.0036	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0002	

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 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

<For Main Antenna>

LTE Band 4 / 1.4MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	3	22.67	0.1849	20.67	0.1167
Middle		1	3	22.59	0.1816	20.59	0.1146
Highest		1	3	22.71	0.1866	20.71	0.1178
Lowest	16QAM	1	3	21.95	0.1567	19.95	0.0989
Middle		1	3	21.93	0.1560	19.93	0.0984
Highest		1	3	22.07	0.1611	20.07	0.1016
Lowest	64QAM	1	3	20.88	0.1225	18.88	0.0773
Middle		1	3	20.86	0.1219	18.86	0.0769
Highest		1	3	21.02	0.1265	19.02	0.0798
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.66	0.1845	20.66	0.1164
Middle		1	0	22.58	0.1811	20.58	0.1143
Highest		1	0	22.74	0.1879	20.74	0.1186
Lowest	16QAM	1	0	21.98	0.1578	19.98	0.0995
Middle		1	0	21.92	0.1556	19.92	0.0982
Highest		1	0	22.02	0.1592	20.02	0.1005
Lowest	64QAM	1	8	20.90	0.1230	18.90	0.0776
Middle		1	8	20.86	0.1219	18.86	0.0769
Highest		1	8	20.98	0.1253	18.98	0.0791
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.70	0.1862	20.70	0.1175
Middle		1	0	22.62	0.1828	20.62	0.1153
Highest		1	0	22.81	0.1910	20.81	0.1205
Lowest	16QAM	1	12	22.04	0.1600	20.04	0.1009
Middle		1	12	21.93	0.1560	19.93	0.0984
Highest		1	12	22.10	0.1622	20.10	0.1023
Lowest	64QAM	1	0	21.00	0.1259	19.00	0.0794
Middle		1	0	20.88	0.1225	18.88	0.0773
Highest		1	0	21.03	0.1268	19.03	0.0800
Limit	EIRP < 1W			Result		PASS	



LTE Band 4 / 10MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.76	0.1888	20.76	0.1191
Middle		1	0	22.69	0.1858	20.69	0.1172
Highest		1	0	22.75	0.1884	20.75	0.1189
Lowest	16QAM	1	0	22.09	0.1618	20.09	0.1021
Middle		1	0	21.97	0.1574	19.97	0.0993
Highest		1	0	22.06	0.1607	20.06	0.1014
Lowest	64QAM	1	0	21.04	0.1271	19.04	0.0802
Middle		1	0	20.95	0.1245	18.95	0.0785
Highest		1	0	21.03	0.1268	19.03	0.0800
Limit	EIRP < 1W		Result		PASS		

LTE Band 4 / 15MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.85	0.1928	20.85	0.1216
Middle		1	0	22.79	0.1901	20.79	0.1199
Highest		1	0	22.88	0.1941	20.88	0.1225
Lowest	16QAM	1	0	22.24	0.1675	20.24	0.1057
Middle		1	0	22.15	0.1641	20.15	0.1035
Highest		1	0	22.22	0.1667	20.22	0.1052
Lowest	64QAM	1	0	21.16	0.1306	19.16	0.0824
Middle		1	0	21.10	0.1288	19.10	0.0813
Highest		1	0	21.15	0.1303	19.15	0.0822
Limit	EIRP < 1W		Result		PASS		

LTE Band 4 / 20MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.90	0.1950	20.90	0.1230
Middle		1	0	22.81	0.1910	20.81	0.1205
Highest		1	0	22.82	0.1914	20.82	0.1208
Lowest	16QAM	1	0	22.25	0.1679	20.25	0.1059
Middle		1	0	22.15	0.1641	20.15	0.1035
Highest		1	0	22.17	0.1648	20.17	0.1040
Lowest	64QAM	1	0	21.20	0.1318	19.20	0.0832
Middle		1	0	21.09	0.1285	19.09	0.0811
Highest		1	0	21.09	0.1285	19.09	0.0811
Limit	EIRP < 1W		Result		PASS		



LTE Band 5 / 1.4MHz (Average) (GT - LC = -5.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	22.63	0.1832	14.88	0.0308
Middle		1	3	22.71	0.1866	14.96	0.0313
Highest		1	3	22.67	0.1849	14.92	0.0310
Lowest	16QAM	1	3	21.98	0.1578	14.23	0.0265
Middle		1	3	22.06	0.1607	14.31	0.0270
Highest		1	3	22.02	0.1592	14.27	0.0267
Lowest	64QAM	1	3	20.91	0.1233	13.16	0.0207
Middle		1	3	20.99	0.1256	13.24	0.0211
Highest		1	3	20.95	0.1245	13.20	0.0209
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = -5.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.62	0.1828	14.87	0.0307
Middle		1	0	22.73	0.1875	14.98	0.0315
Highest		1	0	22.68	0.1854	14.93	0.0311
Lowest	16QAM	1	0	21.97	0.1574	14.22	0.0264
Middle		1	0	22.08	0.1614	14.33	0.0271
Highest		1	0	22.05	0.1603	14.30	0.0269
Lowest	64QAM	1	0	20.89	0.1227	13.14	0.0206
Middle		1	0	20.98	0.1253	13.23	0.0210
Highest		1	0	20.94	0.1242	13.19	0.0208
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = -5.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.63	0.1832	14.88	0.0308
Middle		1	0	22.75	0.1884	15.00	0.0316
Highest		1	0	22.75	0.1884	15.00	0.0316
Lowest	16QAM	1	0	22.00	0.1585	14.25	0.0266
Middle		1	0	22.06	0.1607	14.31	0.0270
Highest		1	0	22.07	0.1611	14.32	0.0270
Lowest	64QAM	1	0	20.90	0.1230	13.15	0.0207
Middle		1	0	21.03	0.1268	13.28	0.0213
Highest		1	0	21.01	0.1262	13.26	0.0212
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = -5.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	22.67	0.1849	14.92	0.0310
Middle		1	25	22.71	0.1866	14.96	0.0313
Highest		1	25	22.76	0.1888	15.01	0.0317
Lowest	16QAM	1	25	22.01	0.1589	14.26	0.0267
Middle		1	25	22.06	0.1607	14.31	0.0270
Highest		1	25	22.08	0.1614	14.33	0.0271
Lowest	64QAM	1	25	20.94	0.1242	13.19	0.0208
Middle		1	25	20.99	0.1256	13.24	0.0211
Highest		1	25	21.01	0.1262	13.26	0.0212
Limit	ERP < 7W			Result		PASS	



LTE Band 7 / 5MHz (Average) (GT - LC = 0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.39	0.1734	22.69	0.1858
Middle		1	24	22.53	0.1791	22.83	0.1919
Highest		1	24	22.45	0.1758	22.75	0.1884
Lowest	16QAM	1	24	21.74	0.1493	22.04	0.1600
Middle		1	24	21.87	0.1538	22.17	0.1648
Highest		1	24	21.77	0.1503	22.07	0.1611
Lowest	64QAM	1	24	20.64	0.1159	20.94	0.1242
Middle		1	24	20.74	0.1186	21.04	0.1271
Highest		1	24	20.66	0.1164	20.96	0.1247
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = 0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	22.41	0.1742	22.71	0.1866
Middle		1	25	22.51	0.1782	22.81	0.1910
Highest		1	25	22.36	0.1722	22.66	0.1845
Lowest	16QAM	1	25	21.75	0.1496	22.05	0.1603
Middle		1	25	21.85	0.1531	22.15	0.1641
Highest		1	25	21.70	0.1479	22.00	0.1585
Lowest	64QAM	1	25	20.59	0.1146	20.89	0.1227
Middle		1	25	20.70	0.1175	21.00	0.1259
Highest		1	25	20.59	0.1146	20.89	0.1227
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = 0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	22.41	0.1742	22.71	0.1866
Middle		1	37	22.51	0.1782	22.81	0.1910
Highest		1	37	22.44	0.1754	22.74	0.1879
Lowest	16QAM	1	74	21.74	0.1493	22.04	0.1600
Middle		1	74	21.82	0.1521	22.12	0.1629
Highest		1	74	21.75	0.1496	22.05	0.1603
Lowest	64QAM	1	37	20.65	0.1161	20.95	0.1245
Middle		1	37	20.75	0.1189	21.05	0.1274
Highest		1	37	20.66	0.1164	20.96	0.1247
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 20MHz (Average) (GT - LC = 0.3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	22.40	0.1738	22.70	0.1862
Middle		1	99	22.54	0.1795	22.84	0.1923
Highest		1	99	22.45	0.1758	22.75	0.1884
Lowest	16QAM	1	99	21.74	0.1493	22.04	0.1600
Middle		1	99	21.84	0.1528	22.14	0.1637
Highest		1	99	21.81	0.1517	22.11	0.1626
Lowest	64QAM	1	99	20.61	0.1151	20.91	0.1233
Middle		1	99	20.73	0.1183	21.03	0.1268
Highest		1	99	20.74	0.1186	21.04	0.1271
Limit	EIRP < 2W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = -6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	3	22.55	0.1799	14.40	0.0275
Middle		1	3	22.51	0.1782	14.36	0.0273
Highest		1	3	22.57	0.1807	14.42	0.0277
Lowest	16QAM	1	3	21.88	0.1542	13.73	0.0236
Middle		1	3	21.83	0.1524	13.68	0.0233
Highest		1	3	21.92	0.1556	13.77	0.0238
Lowest	64QAM	1	3	20.81	0.1205	12.66	0.0185
Middle		1	3	20.75	0.1189	12.60	0.0182
Highest		1	3	20.82	0.1208	12.67	0.0185
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = -6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.53	0.1791	14.38	0.0274
Middle		1	0	22.51	0.1782	14.36	0.0273
Highest		1	0	22.55	0.1799	14.40	0.0275
Lowest	16QAM	1	0	21.87	0.1538	13.72	0.0236
Middle		1	0	21.85	0.1531	13.70	0.0234
Highest		1	0	21.91	0.1552	13.76	0.0238
Lowest	64QAM	1	14	20.77	0.1194	12.62	0.0183
Middle		1	14	20.73	0.1183	12.58	0.0181
Highest		1	14	20.84	0.1213	12.69	0.0186
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = -6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	24	22.60	0.1820	14.45	0.0279
Middle		1	24	22.51	0.1782	14.36	0.0273
Highest		1	24	22.60	0.1820	14.45	0.0279
Lowest	16QAM	1	24	21.93	0.1560	13.78	0.0239
Middle		1	24	21.78	0.1507	13.63	0.0231
Highest		1	24	21.92	0.1556	13.77	0.0238
Lowest	64QAM	1	24	20.84	0.1213	12.69	0.0186
Middle		1	24	20.73	0.1183	12.58	0.0181
Highest		1	24	20.85	0.1216	12.70	0.0186
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = -6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	22.57	0.1807	14.42	0.0277
Middle		1	49	22.50	0.1778	14.35	0.0272
Highest		1	49	22.61	0.1824	14.46	0.0279
Lowest	16QAM	1	49	21.87	0.1538	13.72	0.0236
Middle		1	49	21.79	0.1510	13.64	0.0231
Highest		1	49	21.94	0.1563	13.79	0.0239
Lowest	64QAM	1	49	20.82	0.1208	12.67	0.0185
Middle		1	49	20.77	0.1194	12.62	0.0183
Highest		1	49	20.89	0.1227	12.74	0.0188
Limit	ERP < 3W			Result		PASS	





LTE Band 17 / 5MHz (Average) (GT - LC = -5.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.54	0.1795	14.79	0.0301
Middle		1	0	22.49	0.1774	14.74	0.0298
Highest		1	0	22.48	0.1770	14.73	0.0297
Lowest	16QAM	1	0	21.88	0.1542	14.13	0.0259
Middle		1	0	21.82	0.1521	14.07	0.0255
Highest		1	0	21.81	0.1517	14.06	0.0255
Lowest	64QAM	1	0	20.81	0.1205	13.06	0.0202
Middle		1	0	20.77	0.1194	13.02	0.0200
Highest		1	0	20.73	0.1183	12.98	0.0199
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average) (GT - LC = -5.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	25	22.61	0.1824	14.86	0.0306
Middle		1	25	22.48	0.1770	14.73	0.0297
Highest		1	25	22.49	0.1774	14.74	0.0298
Lowest	16QAM	1	25	21.95	0.1567	14.20	0.0263
Middle		1	25	21.82	0.1521	14.07	0.0255
Highest		1	25	21.81	0.1517	14.06	0.0255
Lowest	64QAM	1	25	20.86	0.1219	13.11	0.0205
Middle		1	25	20.72	0.1180	12.97	0.0198
Highest		1	25	20.72	0.1180	12.97	0.0198
Limit	ERP < 3W			Result		PASS	



LTE Band 41 / 5MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.70	0.1862	24.70	0.2951
Middle		1	24	22.76	0.1888	24.76	0.2992
Highest		1	24	22.69	0.1858	24.69	0.2944
Lowest	16QAM	1	12	21.82	0.1521	23.82	0.2410
Middle		1	12	22.04	0.1600	24.04	0.2535
Highest		1	12	21.84	0.1528	23.84	0.2421
Lowest	64QAM	1	12	20.59	0.1146	22.59	0.1816
Middle		1	12	20.76	0.1191	22.76	0.1888
Highest		1	12	20.60	0.1148	22.60	0.1820
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	22.78	0.1897	24.78	0.3006
Middle		1	25	22.61	0.1824	24.61	0.2891
Highest		1	25	22.67	0.1849	24.67	0.2931
Lowest	16QAM	1	25	21.85	0.1531	23.85	0.2427
Middle		1	25	21.83	0.1524	23.83	0.2415
Highest		1	25	21.82	0.1521	23.82	0.2410
Lowest	64QAM	1	25	20.62	0.1153	22.62	0.1828
Middle		1	25	20.72	0.1180	22.72	0.1871
Highest		1	25	20.58	0.1143	22.58	0.1811
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	22.83	0.1919	24.83	0.3041
Middle		1	74	22.67	0.1849	24.67	0.2931
Highest		1	74	22.73	0.1875	24.73	0.2972
Lowest	16QAM	1	74	21.92	0.1556	23.92	0.2466
Middle		1	74	21.97	0.1574	23.97	0.2495
Highest		1	74	21.84	0.1528	23.84	0.2421
Lowest	64QAM	1	37	20.60	0.1148	22.60	0.1820
Middle		1	37	20.82	0.1208	22.82	0.1914
Highest		1	37	20.68	0.1169	22.68	0.1854
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 20MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	22.90	0.1950	24.90	0.3090
Middle		1	99	22.71	0.1866	24.71	0.2958
Highest		1	99	22.70	0.1862	24.70	0.2951
Lowest	16QAM	1	99	21.95	0.1567	23.95	0.2483
Middle		1	99	21.83	0.1524	23.83	0.2415
Highest		1	99	21.81	0.1517	23.81	0.2404
Lowest	64QAM	1	49	20.63	0.1156	22.63	0.1832
Middle		1	49	20.74	0.1186	22.74	0.1879
Highest		1	49	20.63	0.1156	22.63	0.1832
Limit	EIRP < 2W			Result		PASS	



LTE Band 26 / 1.4MHz (Average) (GT - LC = -5.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	1	22.56	0.1803	14.81	0.0303
Middle		3	1	22.66	0.1845	14.91	0.0310
Highest		3	1	22.59	0.1816	14.84	0.0305
Lowest	16QAM	1	3	21.89	0.1545	14.14	0.0259
Middle		1	3	22.01	0.1589	14.26	0.0267
Highest		1	3	21.94	0.1563	14.19	0.0262
Lowest	64QAM	1	3	20.82	0.1208	13.07	0.0203
Middle		1	3	20.93	0.1239	13.18	0.0208
Highest		1	3	20.86	0.1219	13.11	0.0205
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 3MHz (Average) (GT - LC = -5.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.54	0.1795	14.79	0.0301
Middle		1	0	22.67	0.1849	14.92	0.0310
Highest		1	0	22.61	0.1824	14.86	0.0306
Lowest	16QAM	1	0	21.88	0.1542	14.13	0.0259
Middle		1	0	22.01	0.1589	14.26	0.0267
Highest		1	0	21.95	0.1567	14.20	0.0263
Lowest	64QAM	1	14	20.80	0.1202	13.05	0.0202
Middle		1	14	20.93	0.1239	13.18	0.0208
Highest		1	14	20.87	0.1222	13.12	0.0205
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 5MHz (Average) (GT - LC = -5.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.55	0.1799	14.80	0.0302
Middle		1	0	22.67	0.1849	14.92	0.0310
Highest		1	0	22.67	0.1849	14.92	0.0310
Lowest	16QAM	1	0	21.92	0.1556	14.17	0.0261
Middle		1	0	22.02	0.1592	14.27	0.0267
Highest		1	0	21.99	0.1581	14.24	0.0265
Lowest	64QAM	1	0	20.86	0.1219	13.11	0.0205
Middle		1	0	20.95	0.1245	13.20	0.0209
Highest		1	0	20.91	0.1233	13.16	0.0207
Limit	ERP < 7W			Result		PASS	



LTE Band 26 / 10MHz (Average) (GT - LC = -5.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.56	0.1803	14.81	0.0303
Middle		1	0	22.63	0.1832	14.88	0.0308
Highest		1	0	22.69	0.1858	14.94	0.0312
Lowest	16QAM	1	0	21.93	0.1560	14.18	0.0262
Middle		1	0	22.00	0.1585	14.25	0.0266
Highest		1	0	22.08	0.1614	14.33	0.0271
Lowest	64QAM	1	0	20.82	0.1208	13.07	0.0203
Middle		1	0	20.88	0.1225	13.13	0.0206
Highest		1	0	21.00	0.1259	13.25	0.0211
Limit	ERP < 7W			Result		PASS	

LTE Band 26 / 15MHz (Average) (GT - LC = -5.6 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	37	22.71	0.1866	14.96	0.0313
Middle		1	37	22.66	0.1845	14.91	0.0310
Highest		1	37	22.74	0.1879	14.99	0.0316
Lowest	16QAM	1	0	22.04	0.1600	14.29	0.0269
Middle		1	0	22.08	0.1614	14.33	0.0271
Highest		1	0	22.02	0.1592	14.27	0.0267
Lowest	64QAM	1	37	20.97	0.1250	13.22	0.0210
Middle		1	37	20.93	0.1239	13.18	0.0208
Highest		1	37	21.03	0.1268	13.28	0.0213
Limit	ERP < 7W			Result		PASS	



LTE Band 38 / 5MHz (Peak) (GT - LC = 0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.82	0.1914	23.32	0.2148
Middle		1	0	22.82	0.1914	23.32	0.2148
Highest		1	0	23.08	0.2032	23.58	0.2280
Lowest	16QAM	1	12	21.94	0.1563	22.44	0.1754
Middle		1	12	21.95	0.1567	22.45	0.1758
Highest		1	12	22.24	0.1675	22.74	0.1879
Lowest	64QAM	1	24	20.73	0.1183	21.23	0.1327
Middle		1	24	20.73	0.1183	21.23	0.1327
Highest		1	24	21.03	0.1268	21.53	0.1422
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 10MHz (Peak) (GT - LC = 0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.82	0.1914	23.32	0.2148
Middle		1	49	22.88	0.1941	23.38	0.2178
Highest		1	49	23.08	0.2032	23.58	0.2280
Lowest	16QAM	1	25	21.96	0.1570	22.46	0.1762
Middle		1	25	21.96	0.1570	22.46	0.1762
Highest		1	25	22.21	0.1663	22.71	0.1866
Lowest	64QAM	1	25	20.73	0.1183	21.23	0.1327
Middle		1	25	20.72	0.1180	21.22	0.1324
Highest		1	25	20.99	0.1256	21.49	0.1409
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 15MHz (Peak) (GT - LC = 0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	22.86	0.1932	23.36	0.2168
Middle		1	37	22.88	0.1941	23.38	0.2178
Highest		1	37	23.09	0.2037	23.59	0.2286
Lowest	16QAM	1	37	21.94	0.1563	22.44	0.1754
Middle		1	37	21.97	0.1574	22.47	0.1766
Highest		1	37	22.23	0.1671	22.73	0.1875
Lowest	64QAM	1	37	20.71	0.1178	21.21	0.1321
Middle		1	37	20.75	0.1189	21.25	0.1334
Highest		1	37	21.00	0.1259	21.50	0.1413
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 20MHz (Peak) (GT - LC = 0.5 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.86	0.1932	23.36	0.2168
Middle		1	49	22.87	0.1936	23.37	0.2173
Highest		1	49	23.10	0.2042	23.60	0.2291
Lowest	16QAM	1	99	21.89	0.1545	22.39	0.1734
Middle		1	99	21.96	0.1570	22.46	0.1762
Highest		1	99	22.19	0.1656	22.69	0.1858
Lowest	64QAM	1	99	20.64	0.1159	21.14	0.1300
Middle		1	99	20.73	0.1183	21.23	0.1327
Highest		1	99	20.95	0.1245	21.45	0.1396
Limit	EIRP < 2W			Result		PASS	



<For Aux. Antenna>

LTE Band 7 / 5MHz (Average) (GT - LC = -3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.39	0.1734	19.39	0.0869
Middle		1	24	22.53	0.1791	19.53	0.0897
Highest		1	24	22.45	0.1758	19.45	0.0881
Lowest	16QAM	1	24	21.74	0.1493	18.74	0.0748
Middle		1	24	21.87	0.1538	18.87	0.0771
Highest		1	24	21.77	0.1503	18.77	0.0753
Lowest	64QAM	1	24	20.64	0.1159	17.64	0.0581
Middle		1	24	20.74	0.1186	17.74	0.0594
Highest		1	24	20.66	0.1164	17.66	0.0583
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average) (GT - LC = -3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	22.41	0.1742	19.41	0.0873
Middle		1	25	22.51	0.1782	19.51	0.0893
Highest		1	25	22.36	0.1722	19.36	0.0863
Lowest	16QAM	1	25	21.75	0.1496	18.75	0.0750
Middle		1	25	21.85	0.1531	18.85	0.0767
Highest		1	25	21.70	0.1479	18.70	0.0741
Lowest	64QAM	1	25	20.59	0.1146	17.59	0.0574
Middle		1	25	20.70	0.1175	17.70	0.0589
Highest		1	25	20.59	0.1146	17.59	0.0574
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 15MHz (Average) (GT - LC = -3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	22.41	0.1742	19.41	0.0873
Middle		1	37	22.51	0.1782	19.51	0.0893
Highest		1	37	22.44	0.1754	19.44	0.0879
Lowest	16QAM	1	74	21.74	0.1493	18.74	0.0748
Middle		1	74	21.82	0.1521	18.82	0.0762
Highest		1	74	21.75	0.1496	18.75	0.0750
Lowest	64QAM	1	37	20.65	0.1161	17.65	0.0582
Middle		1	37	20.75	0.1189	17.75	0.0596
Highest		1	37	20.66	0.1164	17.66	0.0583
Limit	EIRP < 2W			Result		PASS	





LTE Band 7 / 20MHz (Average) (GT - LC = -3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	22.40	0.1738	19.40	0.0871
Middle		1	99	22.54	0.1795	19.54	0.0899
Highest		1	99	22.45	0.1758	19.45	0.0881
Lowest	16QAM	1	99	21.74	0.1493	18.74	0.0748
Middle		1	99	21.84	0.1528	18.84	0.0766
Highest		1	99	21.81	0.1517	18.81	0.0760
Lowest	64QAM	1	99	20.61	0.1151	17.61	0.0577
Middle		1	99	20.73	0.1183	17.73	0.0593
Highest		1	99	20.74	0.1186	17.74	0.0594
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 5MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	24	22.70	0.1862	20.70	0.1175
Middle		1	24	22.76	0.1888	20.76	0.1191
Highest		1	24	22.69	0.1858	20.69	0.1172
Lowest	16QAM	1	12	21.82	0.1521	19.82	0.0959
Middle		1	12	22.04	0.1600	20.04	0.1009
Highest		1	12	21.84	0.1528	19.84	0.0964
Lowest	64QAM	1	12	20.59	0.1146	18.59	0.0723
Middle		1	12	20.76	0.1191	18.76	0.0752
Highest		1	12	20.60	0.1148	18.60	0.0724
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 10MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	25	22.78	0.1897	20.78	0.1197
Middle		1	25	22.61	0.1824	20.61	0.1151
Highest		1	25	22.67	0.1849	20.67	0.1167
Lowest	16QAM	1	25	21.85	0.1531	19.85	0.0966
Middle		1	25	21.83	0.1524	19.83	0.0962
Highest		1	25	21.82	0.1521	19.82	0.0959
Lowest	64QAM	1	25	20.62	0.1153	18.62	0.0728
Middle		1	25	20.72	0.1180	18.72	0.0745
Highest		1	25	20.58	0.1143	18.58	0.0721
Limit	EIRP < 2W			Result		PASS	

LTE Band 41 / 15MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	22.83	0.1919	20.83	0.1211
Middle		1	74	22.67	0.1849	20.67	0.1167
Highest		1	74	22.73	0.1875	20.73	0.1183
Lowest	16QAM	1	74	21.92	0.1556	19.92	0.0982
Middle		1	74	21.97	0.1574	19.97	0.0993
Highest		1	74	21.84	0.1528	19.84	0.0964
Lowest	64QAM	1	37	20.60	0.1148	18.60	0.0724
Middle		1	37	20.82	0.1208	18.82	0.0762
Highest		1	37	20.68	0.1169	18.68	0.0738
Limit	EIRP < 2W			Result		PASS	



LTE Band 41 / 20MHz (Average) (GT - LC = -2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	22.90	0.1950	20.90	0.1230
Middle		1	99	22.71	0.1866	20.71	0.1178
Highest		1	99	22.70	0.1862	20.70	0.1175
Lowest	16QAM	1	99	21.95	0.1567	19.95	0.0989
Middle		1	99	21.83	0.1524	19.83	0.0962
Highest		1	99	21.81	0.1517	19.81	0.0957
Lowest	64QAM	1	49	20.63	0.1156	18.63	0.0729
Middle		1	49	20.74	0.1186	18.74	0.0748
Highest		1	49	20.63	0.1156	18.63	0.0729
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 5MHz (Peak) (GT - LC = -3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.82	0.1914	19.82	0.0959
Middle		1	0	22.82	0.1914	19.82	0.0959
Highest		1	0	23.08	0.2032	20.08	0.1019
Lowest	16QAM	1	12	21.94	0.1563	18.94	0.0783
Middle		1	12	21.95	0.1567	18.95	0.0785
Highest		1	12	22.24	0.1675	19.24	0.0839
Lowest	64QAM	1	24	20.73	0.1183	17.73	0.0593
Middle		1	24	20.73	0.1183	17.73	0.0593
Highest		1	24	21.03	0.1268	18.03	0.0635
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 10MHz (Peak) (GT - LC = -3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.82	0.1914	19.82	0.0959
Middle		1	49	22.88	0.1941	19.88	0.0973
Highest		1	49	23.08	0.2032	20.08	0.1019
Lowest	16QAM	1	25	21.96	0.1570	18.96	0.0787
Middle		1	25	21.96	0.1570	18.96	0.0787
Highest		1	25	22.21	0.1663	19.21	0.0834
Lowest	64QAM	1	25	20.73	0.1183	17.73	0.0593
Middle		1	25	20.72	0.1180	17.72	0.0592
Highest		1	25	20.99	0.1256	17.99	0.0630
Limit	EIRP < 2W			Result		PASS	

LTE Band 38 / 15MHz (Peak) (GT - LC = -3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	22.86	0.1932	19.86	0.0968
Middle		1	37	22.88	0.1941	19.88	0.0973
Highest		1	37	23.09	0.2037	20.09	0.1021
Lowest	16QAM	1	37	21.94	0.1563	18.94	0.0783
Middle		1	37	21.97	0.1574	18.97	0.0789
Highest		1	37	22.23	0.1671	19.23	0.0838
Lowest	64QAM	1	37	20.71	0.1178	17.71	0.0590
Middle		1	37	20.75	0.1189	17.75	0.0596
Highest		1	37	21.00	0.1259	18.00	0.0631
Limit	EIRP < 2W			Result		PASS	



LTE Band 38 / 20MHz (Peak) (GT - LC = -3 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	22.86	0.1932	19.86	0.0968
Middle		1	49	22.87	0.1936	19.87	0.0971
Highest		1	49	23.10	0.2042	20.10	0.1023
Lowest	16QAM	1	99	21.89	0.1545	18.89	0.0774
Middle		1	99	21.96	0.1570	18.96	0.0787
Highest		1	99	22.19	0.1656	19.19	0.0830
Lowest	64QAM	1	99	20.64	0.1159	17.64	0.0581
Middle		1	99	20.73	0.1183	17.73	0.0593
Highest		1	99	20.95	0.1245	17.95	0.0624
Limit	EIRP < 2W			Result		PASS	



### Radiated Spurious Emission

<For Main Antenna>

### LTE Band 4

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	-38.80	-13	-25.80	-53.83	-49.16	1.80	12.16	H
	5135	-54.08	-13	-41.08	-71.62	-63.90	2.30	12.13	H
	6843	-56.27	-13	-43.27	-75.3	-64.96	2.37	11.06	H
									H
									H
									H
	3420	-37.72	-13	-24.72	-52.56	-48.08	1.80	12.16	V
	5135	-53.08	-13	-40.08	-70.84	-62.90	2.30	12.13	V
	6843	-55.01	-13	-42.01	-75.24	-63.70	2.37	11.06	V
									V
									V
									V
Middle	3448	-40.55	-13	-27.55	-55.83	-50.97	1.83	12.24	H
	5170	-50.33	-13	-37.33	-67.75	-60.17	2.29	12.13	H
	6892	-56.24	-13	-43.24	-75.3	-64.86	2.38	11.01	H
									H
									H
									H
	3448	-42.55	-13	-29.55	-57.6	-52.97	1.83	12.24	V
	5170	-50.95	-13	-37.95	-68.6	-60.79	2.29	12.13	V
	6892	-54.56	-13	-41.56	-74.78	-63.18	2.38	11.01	V
									V
									V
									V



Highest	3469	-43.11	-13	-30.11	-58.54	-53.57	1.84	12.31	H
	5205	-51.13	-13	-38.13	-68.45	-61.00	2.28	12.14	H
	6941	-56.40	-13	-43.40	-75.48	-64.96	2.40	10.96	H
									H
									H
									H
									H
	3469	-47.53	-13	-34.53	-62.7	-57.99	1.84	12.31	V
	5205	-51.08	-13	-38.08	-68.64	-60.95	2.28	12.14	V
	6941	-55.22	-13	-42.22	-75.41	-63.78	2.40	10.96	V
									V
									V
									V
									V

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



## LTE Band 5

LTE Band 5 / 10MHz / 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	1656	-64.58	-13	-51.58	-73.9	-69.99	1.23	8.79	H
	2488	-61.63	-13	-48.63	-74.05	-68.53	1.44	10.49	H
	3320	-60.19	-13	-47.19	-74.76	-68.18	1.72	11.86	H
									H
									H
									H
									H
	1656	-63.42	-13	-50.42	-71.91	-68.83	1.23	8.79	V
	2488	-61.82	-13	-48.82	-73.88	-68.72	1.44	10.49	V
	3320	-60.27	-13	-47.27	-74.64	-68.26	1.72	11.86	V
									V
									V
									V
									V
Middle	1672	-64.63	-13	-51.63	-73.85	-70.10	1.24	8.85	H
	2512	-62.00	-13	-49.00	-74.45	-68.92	1.44	10.51	H
	3344	-59.89	-13	-46.89	-74.35	-67.93	1.74	11.93	H
									H
									H
									H
									H
	1672	-65.22	-13	-52.22	-73.75	-70.69	1.24	8.85	V
	2512	-62.40	-13	-49.40	-74.54	-69.32	1.44	10.51	V
	3344	-60.08	-13	-47.08	-74.35	-68.12	1.74	11.93	V
									V
									V
									V
									V





Highest	1688	-64.60	-13	-51.60	-73.85	-70.12	1.24	8.91	H
	2536	-61.72	-13	-48.72	-74.19	-68.66	1.44	10.53	H
	3376	-59.93	-13	-46.93	-74.25	-68.04	1.77	12.03	H
									H
									H
									H
									H
	1688	-62.54	-13	-49.54	-71.1	-68.06	1.24	8.91	V
	2536	-62.06	-13	-49.06	-74.26	-69.00	1.44	10.53	V
	3376	-60.45	-13	-47.45	-74.61	-68.56	1.77	12.03	V
									V
									V
									V
									V

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



## LTE Band 12

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1416	-56.04	-13	-43.04	-65.69	-60.55	1.15	7.81	H
	2128	-61.49	-13	-48.49	-74.02	-68.16	1.38	10.20	H
	2832	-60.15	-13	-47.15	-73.66	-67.31	1.45	10.77	H
									H
									H
									H
									H
	1416	-60.30	-13	-47.30	-69.80	-64.81	1.15	7.81	V
	2128	-61.51	-13	-48.51	-74.19	-68.18	1.38	10.20	V
	2832	-60.51	-13	-47.51	-74.15	-67.67	1.45	10.77	V
									V
									V
									V
									V
Middle	1424	-56.43	-13	-43.43	-66.10	-60.98	1.15	7.85	H
	2136	-56.97	-13	-43.97	-69.80	-63.65	1.38	10.21	H
	2848	-60.80	-13	-47.80	-74.37	-67.97	1.45	10.78	H
									H
									H
									H
									H
	1424	-59.05	-13	-46.05	-68.56	-63.60	1.15	7.85	V
	2136	-61.28	-13	-48.28	-74.29	-67.96	1.38	10.21	V
	2848	-60.78	-13	-47.78	-74.40	-67.95	1.45	10.78	V
									V
									V
									V
									V



Highest	1432	-60.95	-13	-47.95	-70.62	-65.53	1.16	7.89	H
	2144	-61.37	-13	-48.37	-74.20	-68.05	1.38	10.22	H
	2864	-60.42	-13	-47.42	-74.04	-67.61	1.45	10.79	H
									H
									H
									H
									H
	1432	-63.09	-13	-50.09	-72.60	-67.67	1.16	7.89	V
	2144	-60.85	-13	-47.85	-73.86	-67.53	1.38	10.22	V
	2864	-60.71	-13	-47.71	-74.30	-67.90	1.45	10.79	V
									V
									V
									V
									V

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



## LTE Band 17

LTE Band 17 / 10MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1416	-53.71	-13	-40.71	-63.36	-58.22	1.15	7.81	H
	2128	-61.44	-13	-48.44	-73.97	-68.11	1.38	10.20	H
	2840	-60.40	-13	-47.40	-73.91	-67.57	1.45	10.77	H
									H
									H
									H
									H
	1416	-58.90	-13	-45.90	-68.40	-63.41	1.15	7.81	V
	2128	-61.48	-13	-48.48	-74.16	-68.15	1.38	10.20	V
	2840	-60.55	-13	-47.55	-74.19	-67.72	1.45	10.77	V
									V
									V
									V
									V
Middle	1416	-54.32	-13	-41.32	-63.97	-58.83	1.15	7.81	H
	2128	-61.63	-13	-48.63	-74.16	-68.30	1.38	10.20	H
	2840	-60.61	-13	-47.61	-74.13	-67.78	1.45	10.77	H
									H
									H
									H
									H
	1416	-58.67	-13	-45.67	-68.17	-63.18	1.15	7.81	V
	2128	-61.34	-13	-48.34	-74.02	-68.01	1.38	10.20	V
	2840	-60.66	-13	-47.66	-74.30	-67.83	1.45	10.77	V
									V
									V
									V
									V



Highest	1424	-54.65	-13	-41.65	-64.32	-59.20	1.15	7.85	H
	2136	-61.36	-13	-48.36	-74.19	-68.04	1.38	10.21	H
	2840	-60.70	-13	-47.70	-74.21	-67.87	1.45	10.77	H
									H
									H
									H
									H
	1424	-59.43	-13	-46.43	-68.94	-63.98	1.15	7.85	V
	2136	-61.24	-13	-48.24	-74.25	-67.92	1.38	10.21	V
	2840	-60.60	-13	-47.60	-74.24	-67.77	1.45	10.77	V
									V
									V
									V
									V

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



## LTE Band 7

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5040	-43.31	-25	-18.31	-61.12	-53.07	2.34	12.11	H
	10071	-46.51	-25	-21.51	-72.69	-56.43	1.91	11.83	H
	12591	-43.88	-25	-18.88	-70.82	-54.53	2.54	13.19	H
									H
									H
									H
									H
	5040	-47.75	-25	-22.75	-65.75	-57.51	2.34	12.11	V
	10071	-48.87	-25	-23.87	-74.48	-58.79	1.91	11.83	V
	12591	-45.98	-25	-20.98	-71.02	-56.63	2.54	13.19	V
									V
									V
									V
									V
Middle	5088	-48.74	-25	-23.74	-66.45	-58.53	2.32	12.12	H
	7632	-53.38	-25	-28.38	-74.09	-61.74	2.11	10.48	H
	12717	-44.69	-25	-19.69	-71.9	-55.20	2.53	13.04	H
									H
									H
									H
									H
	5088	-46.90	-25	-21.90	-64.81	-56.69	2.32	12.12	V
	7632	-53.89	-25	-28.89	-74.5	-62.25	2.11	10.48	V
	12717	-46.84	-25	-21.84	-72.13	-57.35	2.53	13.04	V
									V
									V
									V
									V
								V	



Highest	5136	-47.98	-25	-22.98	-65.52	-57.80	2.30	12.13	H
	7704	-53.81	-25	-28.81	-74.66	-62.43	2.11	10.73	H
	10278	-46.89	-25	-21.89	-73.01	-56.56	2.24	11.91	H
									H
									H
									H
									H
	5136	-54.79	-25	-29.79	-72.55	-64.61	2.30	12.13	V
	7704	-53.44	-25	-28.44	-74.33	-62.06	2.11	10.73	V
	10278	-48.39	-25	-23.39	-74.39	-58.06	2.24	11.91	V
									V
									V
									V
									V

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



**LTE Band 41**

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5106	-58.46	-25	-33.46	-76.05	-68.26	2.32	12.12	H
	7662	-53.50	-25	-28.50	-74.29	-61.97	2.11	10.58	H
	12771	-43.65	-25	-18.65	-70.98	-54.10	2.53	12.97	H
									H
									H
									H
									H
	5106	-58.58	-25	-33.58	-76.38	-68.38	2.32	12.12	V
	7662	-53.67	-25	-28.67	-74.43	-62.14	2.11	10.58	V
	12771	-46.94	-25	-21.94	-72.34	-57.39	2.53	12.97	V
									V
									V
									V
									V
Middle	5208	-51.87	-25	-26.87	-69.24	-61.74	2.27	12.14	H
	7812	-53.44	-25	-28.44	-74.7	-62.45	2.11	11.12	H
	10416	-48.21	-25	-23.21	-74.28	-57.72	2.46	11.97	H
									H
									H
									H
									H
	5208	-55.58	-25	-30.58	-73.17	-65.45	2.27	12.14	V
	7812	-53.15	-25	-28.15	-74.66	-62.16	2.11	11.12	V
	10416	-48.24	-25	-23.24	-74.49	-57.75	2.46	11.97	V
									V
									V
									V
									V





Highest	5310	-48.31	-25	-23.31	-65.92	-58.24	2.23	12.16	H
	7962	-52.07	-25	-27.07	-74.8	-61.62	2.11	11.66	H
	10616	-48.87	-25	-23.87	-74.73	-58.10	2.61	11.84	H
									H
									H
									H
									H
	5310	-57.12	-25	-32.12	-74.83	-67.05	2.23	12.16	V
	7962	-51.86	-25	-26.86	-74.75	-61.41	2.11	11.66	V
	10616	-48.41	-25	-23.41	-74.72	-57.64	2.61	11.84	V
									V
									V
									V
									V

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



## LTE Band 38

LTE Band 38 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5160	-53.53	-25	-28.53	-70.96	-63.37	2.29	12.13	H
	10323	-46.93	-25	-21.93	-73.03	-56.55	2.31	11.93	H
	12897	-44.59	-25	-19.59	-72.23	-54.90	2.52	12.82	H
									H
									H
									H
									H
	5160	-45.52	-25	-20.52	-63.18	-55.36	2.29	12.13	V
	10323	-47.17	-25	-22.17	-73.23	-56.79	2.31	11.93	V
	12897	-47.35	-25	-22.35	-73.03	-57.66	2.52	12.82	V
									V
									V
									V
									V
Middle	5190	-53.70	-25	-28.70	-71.07	-63.56	2.28	12.14	H
	7788	-53.74	-25	-28.74	-74.78	-62.66	2.11	11.04	H
	10377	-48.25	-25	-23.25	-74.32	-57.81	2.40	11.95	H
									H
									H
									H
									H
	5190	-46.66	-25	-21.66	-64.27	-56.52	2.28	12.14	V
	7788	-53.21	-25	-28.21	-74.48	-62.13	2.11	11.04	V
	10377	-48.28	-25	-23.28	-74.46	-57.84	2.40	11.95	V
									V
									V
									V
									V



Highest	5220	-56.91	-25	-31.91	-74.28	-66.78	2.27	12.14	H
	10440	-47.62	-25	-22.62	-73.68	-57.10	2.50	11.98	H
	13050	-45.66	-25	-20.66	-73.69	-55.85	2.51	12.70	H
									H
									H
									H
									H
	5220	-47.92	-25	-22.92	-65.51	-57.79	2.27	12.14	V
	10440	-47.94	-25	-22.94	-74.22	-57.42	2.50	11.98	V
	13050	-46.80	-25	-21.80	-72.97	-56.99	2.51	12.70	V
									V
									V
									V
									V

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



**Part 22H LTE Band 26**

LTE Band 26 / 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	1664	-64.46	-13	-51.46	-73.78	-69.90	1.23	8.82	H
	2496	-61.72	-13	-48.72	-74.15	-68.63	1.44	10.50	H
	3328	-59.96	-13	-46.96	-74.47	-67.97	1.73	11.88	H
									H
									H
									H
									H
	1664	-65.47	-13	-52.47	-73.96	-70.91	1.23	8.82	V
	2496	-62.07	-13	-49.07	-74.14	-68.98	1.44	10.50	V
	3328	-60.27	-13	-47.27	-74.59	-68.28	1.73	11.88	V
									V
									V
									V
									V
Middle	1672	-64.40	-13	-51.40	-73.62	-69.87	1.24	8.85	H
	2512	-62.11	-13	-49.11	-74.56	-69.03	1.44	10.51	H
	3344	-60.13	-13	-47.13	-74.59	-68.17	1.74	11.93	H
									H
									H
									H
									H
	1672	-65.32	-13	-52.32	-73.85	-70.79	1.24	8.85	V
	2512	-62.40	-13	-49.40	-74.54	-69.32	1.44	10.51	V
	3344	-60.06	-13	-47.06	-74.33	-68.10	1.74	11.93	V
									V
									V
									V
									V



Highest	1680	-63.95	-13	-50.95	-73.2	-69.45	1.24	8.88	H
	2520	-61.11	-13	-48.11	-73.56	-68.04	1.44	10.52	H
	3368	-60.24	-13	-47.24	-74.63	-68.33	1.76	12.00	H
									H
									H
									H
									H
	1680	-64.96	-13	-51.96	-73.52	-70.46	1.24	8.88	V
	2520	-59.73	-13	-46.73	-71.87	-66.66	1.44	10.52	V
	3368	-60.21	-13	-47.21	-74.42	-68.30	1.76	12.00	V
									V
									V
									V
									V

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



<For Aux. Antenna>

**LTE Band 7**

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5040	-39.96	-25	-14.96	-57.77	-49.72	2.34	12.11	H
	10071	-54.25	-25	-29.25	-74.77	-64.17	1.91	11.83	H
	12591	-43.15	-25	-18.15	-70.09	-53.80	2.54	13.19	H
									H
									H
									H
	5040	-44.40	-25	-19.40	-62.4	-54.16	2.34	12.11	V
	10071	-54.41	-25	-29.41	-74.93	-64.33	1.91	11.83	V
	12591	-45.78	-25	-20.78	-70.82	-56.43	2.54	13.19	V
									V
									V
									V
Middle	5088	-43.75	-25	-18.75	-61.46	-53.54	2.32	12.12	H
	7632	-53.95	-25	-28.95	-74.66	-62.31	2.11	10.48	H
	12717	-43.87	-25	-18.87	-71.08	-54.38	2.53	13.04	H
									H
									H
									H
	5088	-46.10	-25	-21.10	-64.01	-55.89	2.32	12.12	V
	7632	-53.86	-25	-28.86	-74.47	-62.22	2.11	10.48	V
	12717	-46.76	-25	-21.76	-72.05	-57.27	2.53	13.04	V
									V
									V
									V



Highest	5136	-47.70	-25	-22.70	-65.24	-57.52	2.30	12.13	H
	7704	-53.76	-25	-28.76	-74.61	-62.38	2.11	10.73	H
	10278	-47.53	-25	-22.53	-73.65	-57.20	2.24	11.91	H
									H
									H
									H
									H
	5136	-52.31	-25	-27.31	-70.07	-62.13	2.30	12.13	V
	7704	-53.83	-25	-28.83	-74.72	-62.45	2.11	10.73	V
	10278	-48.52	-25	-23.52	-74.52	-58.19	2.24	11.91	V
									V
									V
									V
									V

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



### LTE Band 41

LTE Band 41 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5106	-59.05	-25	-34.05	-76.64	-68.85	2.32	12.12	H
	7662	-54.17	-25	-29.17	-74.96	-62.64	2.11	10.58	H
	10215	-48.78	-25	-23.78	-74.91	-58.53	2.14	11.89	H
									H
									H
									H
									H
	5106	-59.17	-25	-34.17	-76.97	-68.97	2.32	12.12	V
	7662	-54.16	-25	-29.16	-74.92	-62.63	2.11	10.58	V
	10215	-49.18	-25	-24.18	-75.04	-58.93	2.14	11.89	V
									V
									V
									V
									V
Middle	5208	-48.74	-25	-23.74	-66.11	-58.61	2.27	12.14	H
	7812	-53.90	-25	-28.90	-75.16	-62.91	2.11	11.12	H
	10416	-48.25	-25	-23.25	-74.32	-57.76	2.46	11.97	H
									H
									H
									H
									H
	5208	-48.69	-25	-23.69	-66.28	-58.56	2.27	12.14	V
	7812	-53.63	-25	-28.63	-75.14	-62.64	2.11	11.12	V
	10416	-48.32	-25	-23.32	-74.57	-57.83	2.46	11.97	V
									V
									V
									V
									V





Highest	5308	-43.54	-25	-18.54	-61.11	-53.47	2.23	12.16	H
	7962	-52.18	-25	-27.18	-74.91	-61.73	2.11	11.66	H
	10616	-48.88	-25	-23.88	-74.74	-58.11	2.61	11.84	H
									H
									H
									H
									H
	5308	-53.46	-25	-28.46	-71.17	-63.39	2.23	12.16	V
	7962	-51.90	-25	-26.90	-74.79	-61.45	2.11	11.66	V
	10616	-48.59	-25	-23.59	-74.9	-57.82	2.61	11.84	V
									V
									V
									V
									V

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



## LTE Band 38

LTE Band 38 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5160	-58.30	-25	-33.30	-75.73	-68.14	2.29	12.13	H
	7740	-53.83	-25	-28.83	-74.76	-62.58	2.11	10.86	H
	12897	-43.60	-25	-18.60	-71.24	-53.91	2.52	12.82	H
									H
									H
									H
									H
	5160	-58.27	-25	-33.27	-75.93	-68.11	2.29	12.13	V
	7740	-53.59	-25	-28.59	-74.63	-62.34	2.11	10.86	V
	12897	-46.33	-25	-21.33	-72.01	-56.64	2.52	12.82	V
									V
									V
									V
									V
Middle	5190	-58.42	-25	-33.42	-75.79	-68.28	2.28	12.14	H
	7788	-53.67	-25	-28.67	-74.71	-62.59	2.11	11.04	H
	12978	-44.22	-25	-19.22	-72.05	-54.43	2.51	12.73	H
									H
									H
									H
									H
	5190	-58.32	-25	-33.32	-75.93	-68.18	2.28	12.14	V
	7788	-53.32	-25	-28.32	-74.59	-62.24	2.11	11.04	V
	10377	-46.20	-25	-21.20	-72.06	-55.76	2.40	11.95	V
									V
									V
									V
									V



Highest	5220	-58.52	-25	-33.52	-75.89	-68.39	2.27	12.14	H
	7830	-53.21	-25	-28.21	-74.62	-62.29	2.11	11.19	H
	13050	-44.97	-25	-19.97	-73	-55.16	2.51	12.70	H
									H
									H
									H
									H
	5220	-58.33	-25	-33.33	-75.92	-68.20	2.27	12.14	V
	7830	-53.04	-25	-28.04	-74.68	-62.12	2.11	11.19	V
	13050	-46.23	-25	-21.23	-72.4	-56.42	2.51	12.70	V
									V
									V
									V
									V

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