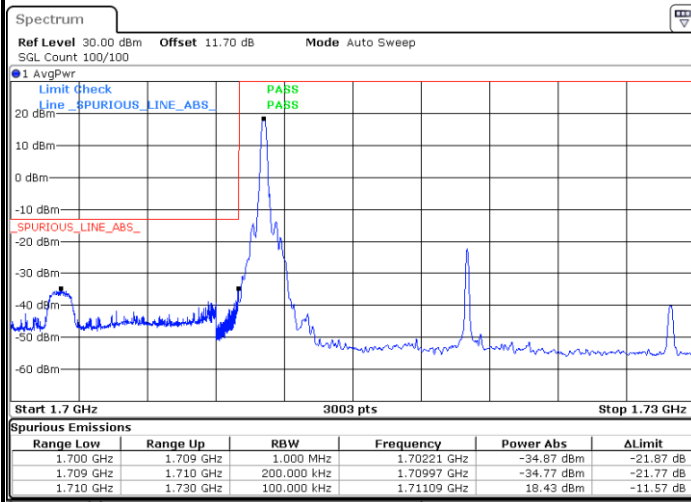


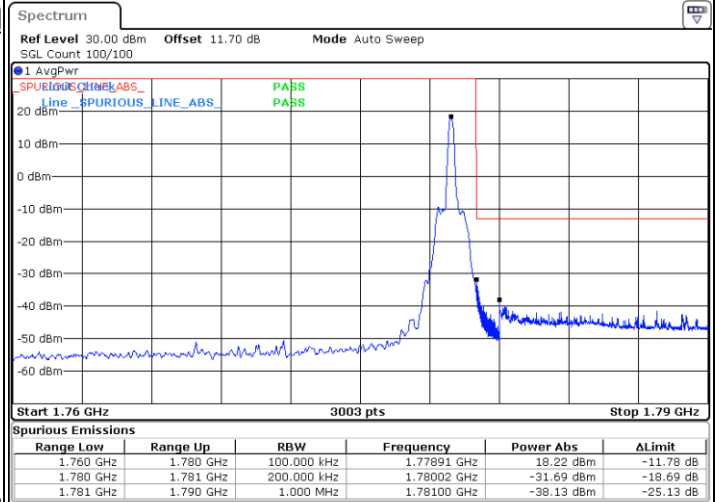


LTE Band 66 / 20MHz / 64QAM

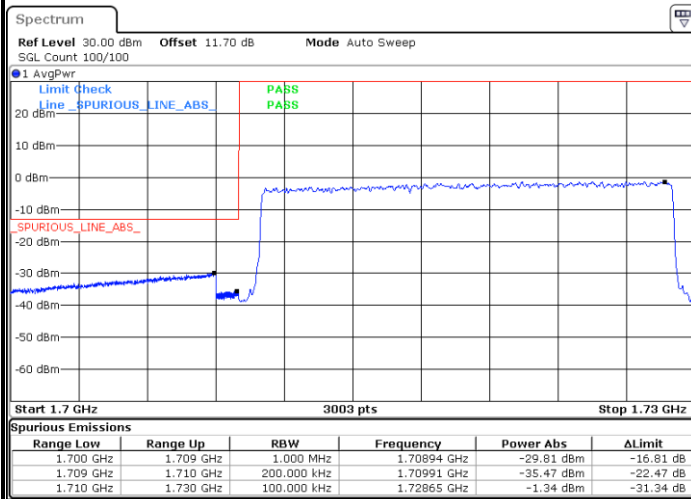
Lowest Band Edge / 1 RB



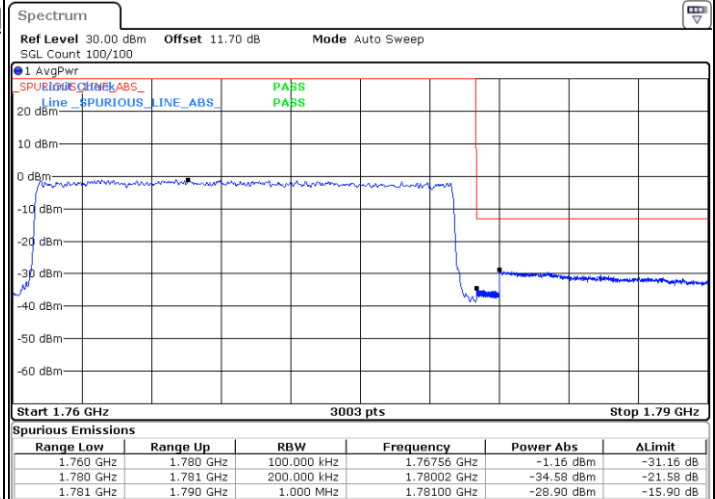
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

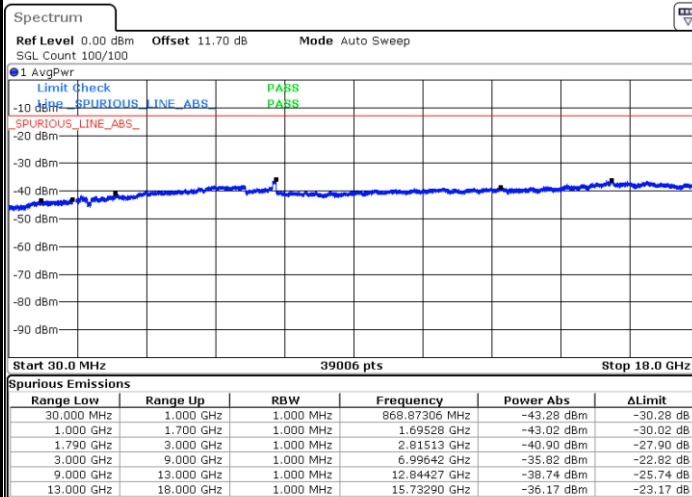




Conducted Spurious Emission

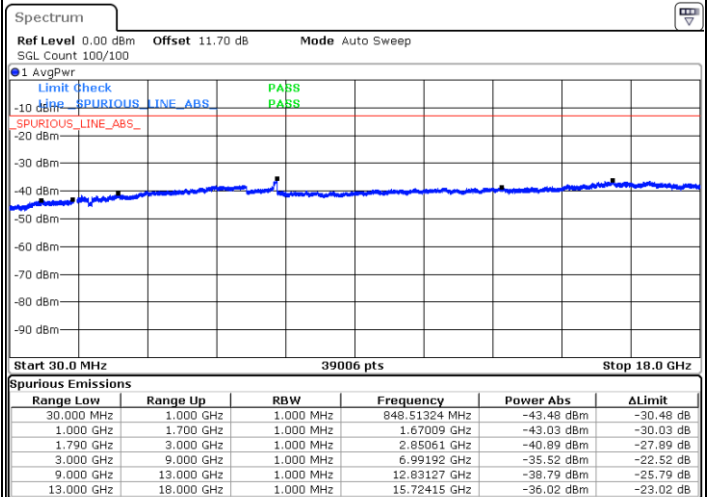
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



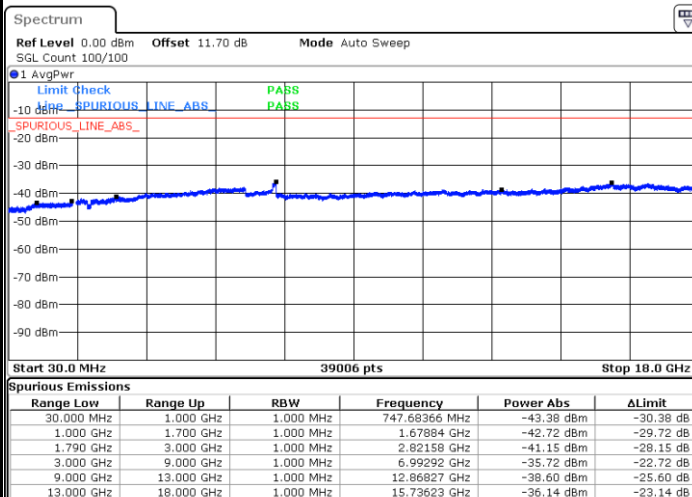
Date: 14.NOV.2019 11:02:26

Lowest Channel / 16QAM



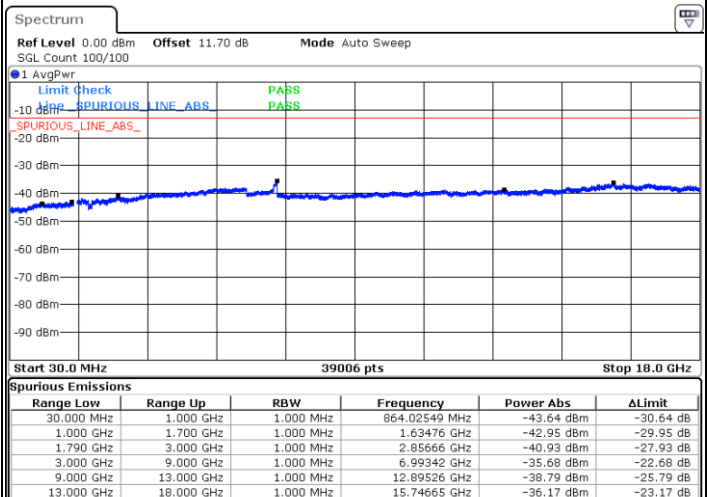
Date: 14.NOV.2019 11:03:10

Middle Channel / QPSK



Date: 14.NOV.2019 11:04:41

Middle Channel / 16QAM

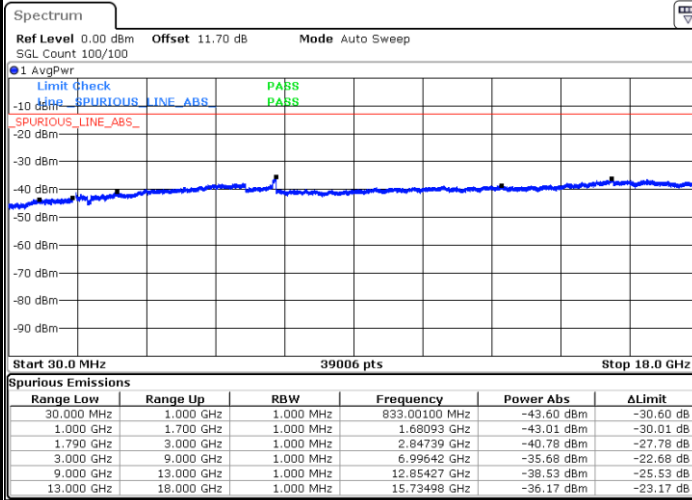


Date: 14.NOV.2019 11:05:25



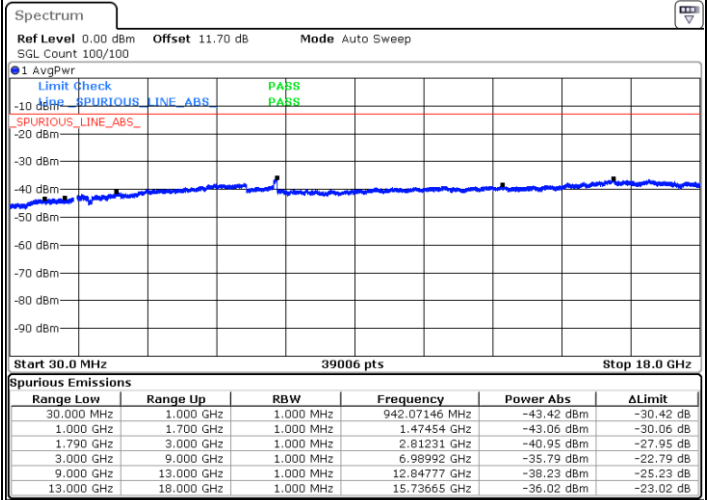
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 14.NOV.2019 11:11:08

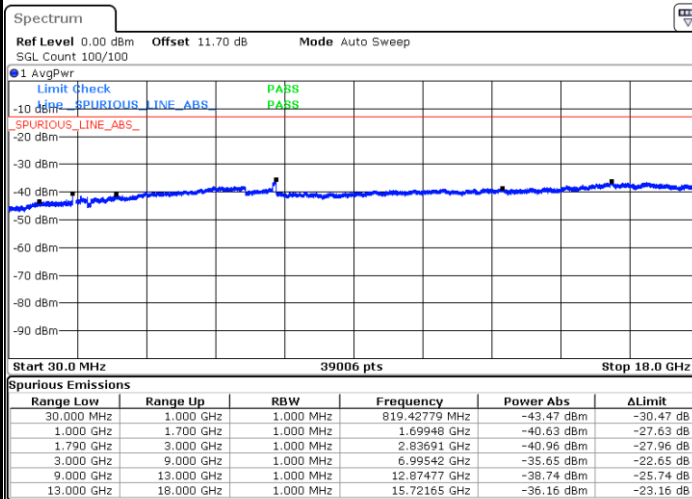
Highest Channel / 16QAM



Date: 14.NOV.2019 11:11:50

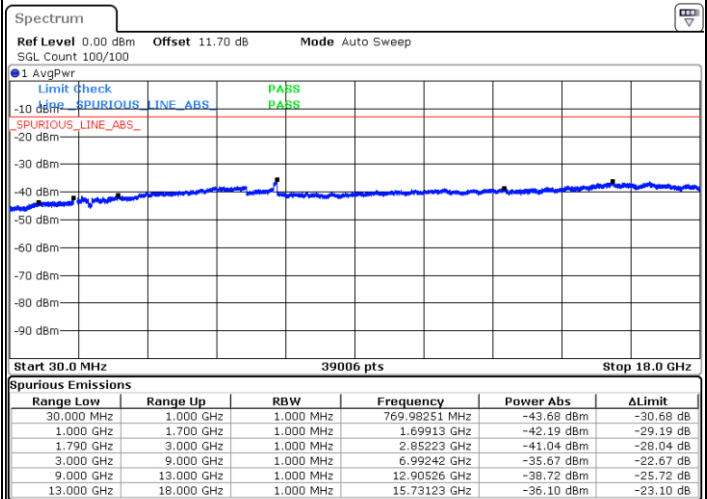
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 14.NOV.2019 11:24:54

Lowest Channel / 16QAM

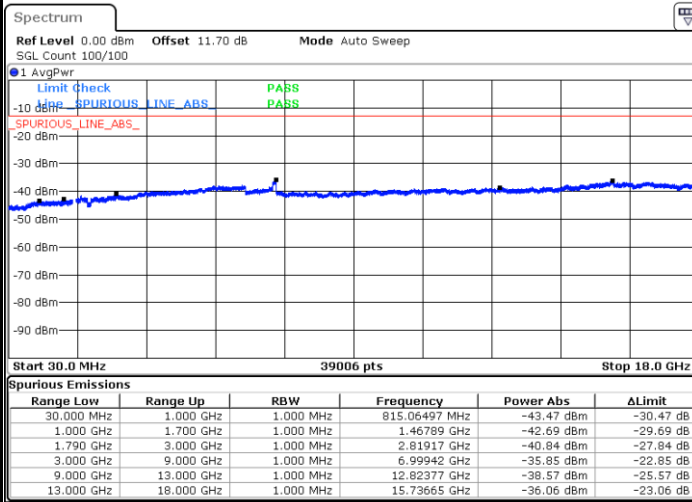


Date: 14.NOV.2019 11:25:37



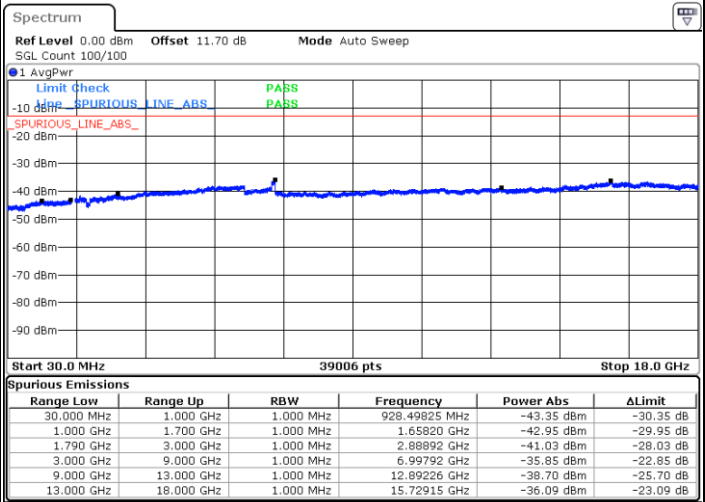
LTE Band 66 / 3MHz

Middle Channel / QPSK



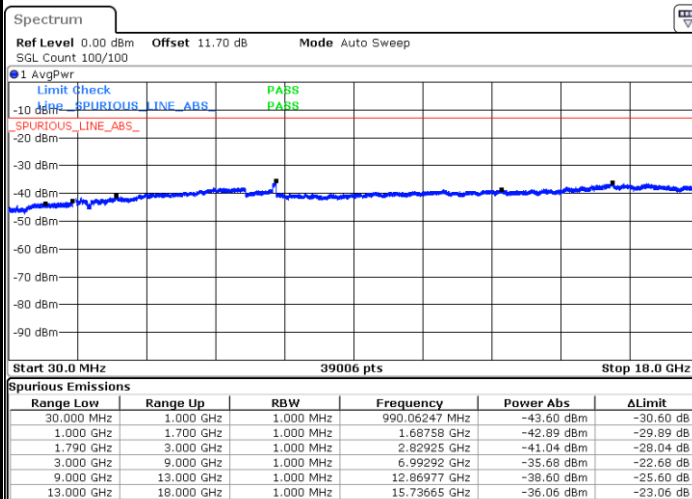
Date: 14.NOV.2019 11:27:09

Middle Channel / 16QAM



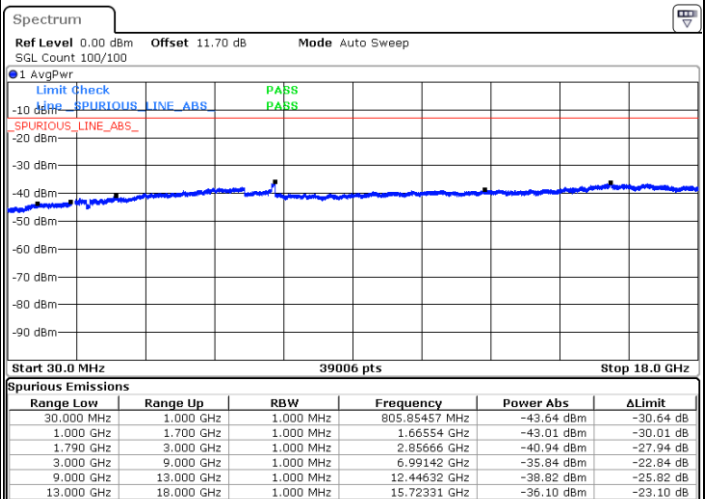
Date: 14.NOV.2019 11:27:52

Highest Channel / QPSK



Date: 14.NOV.2019 11:33:22

Highest Channel / 16QAM

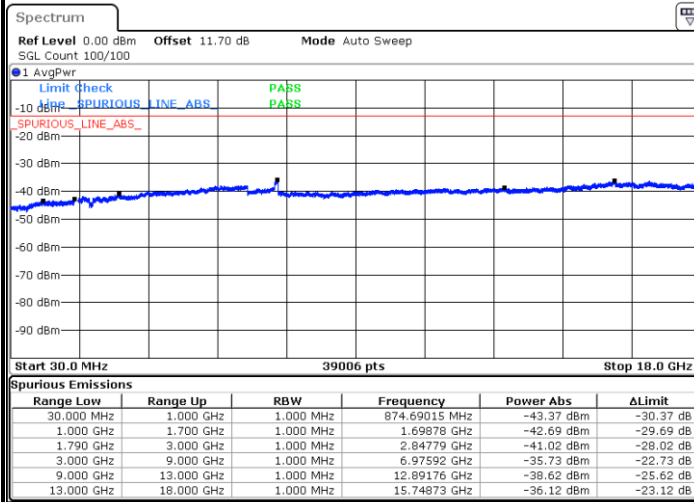


Date: 14.NOV.2019 11:34:05



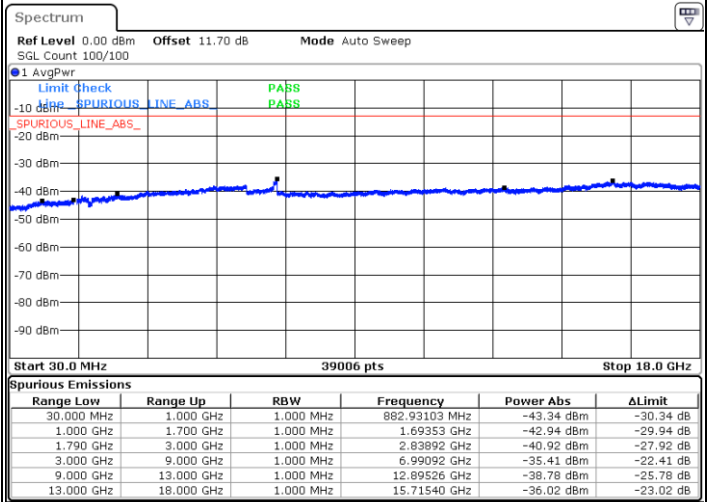
LTE Band 66 / 5MHz

Lowest Channel / QPSK



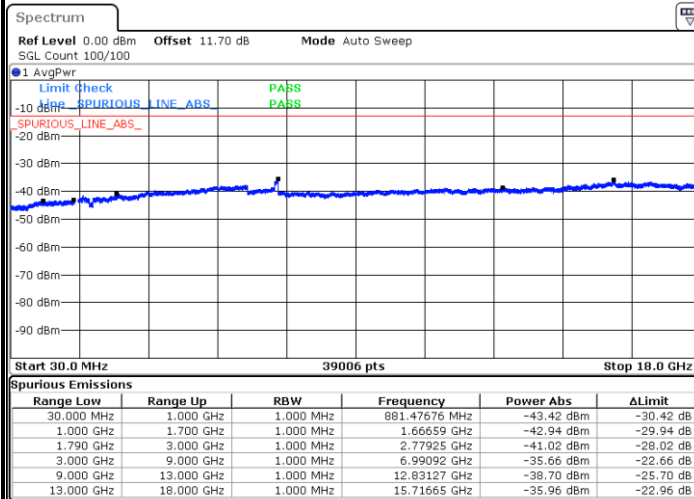
Date: 14.NOV.2019 13:41:58

Lowest Channel / 16QAM



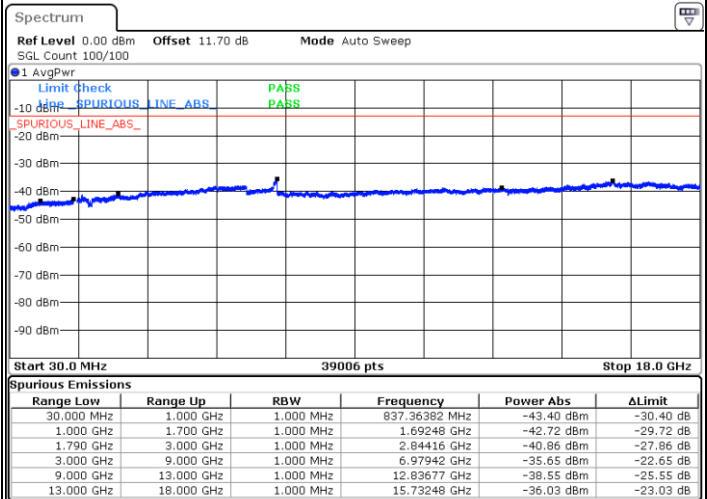
Date: 14.NOV.2019 13:42:40

Middle Channel / QPSK



Date: 14.NOV.2019 13:44:12

Middle Channel / 16QAM

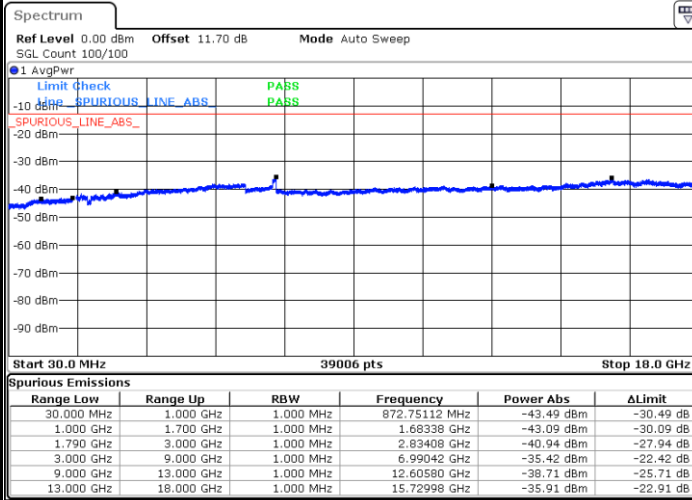


Date: 14.NOV.2019 13:44:55



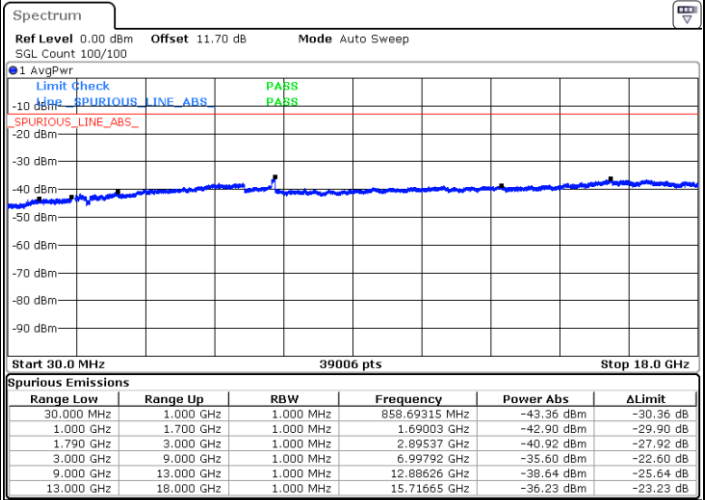
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 14.NOV.2019 13:50:26

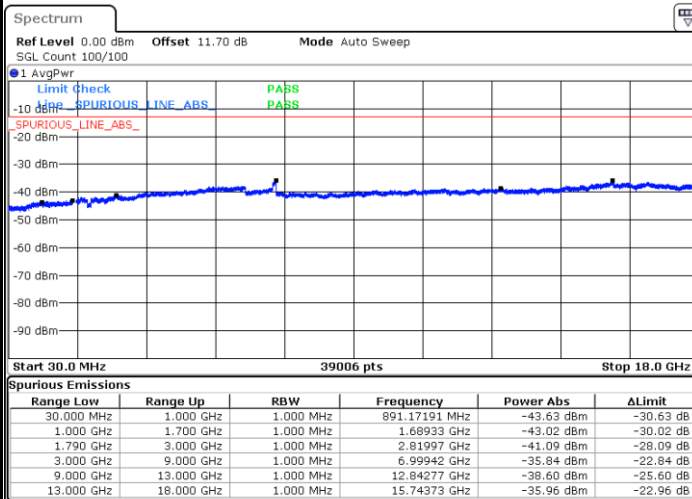
Highest Channel / 16QAM



Date: 14.NOV.2019 13:51:08

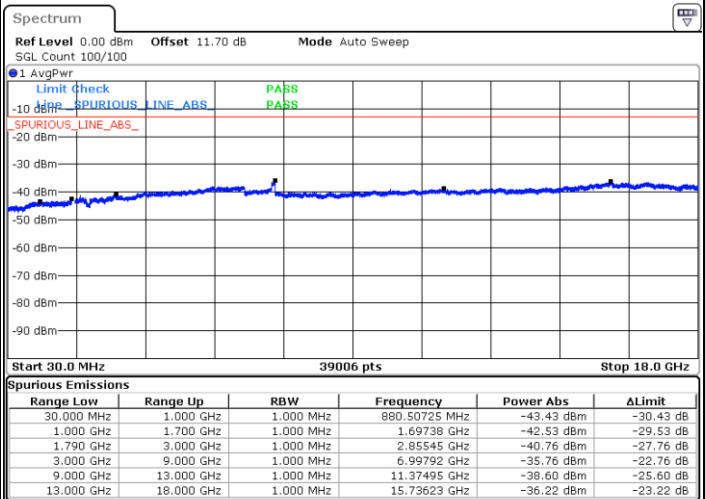
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 14.NOV.2019 13:56:39

Lowest Channel / 16QAM

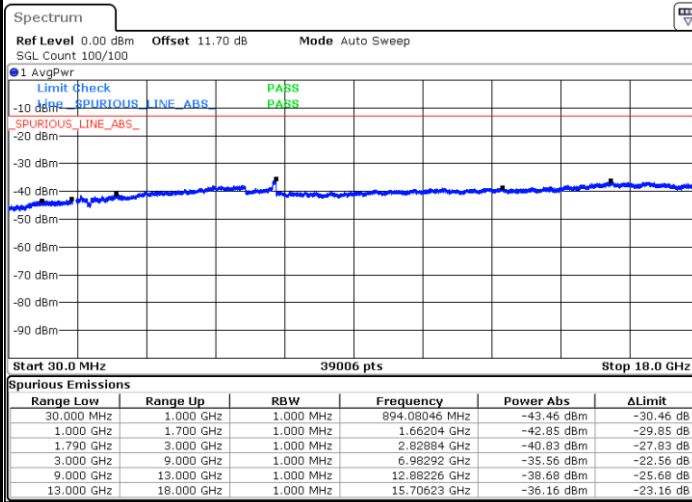


Date: 14.NOV.2019 13:57:22



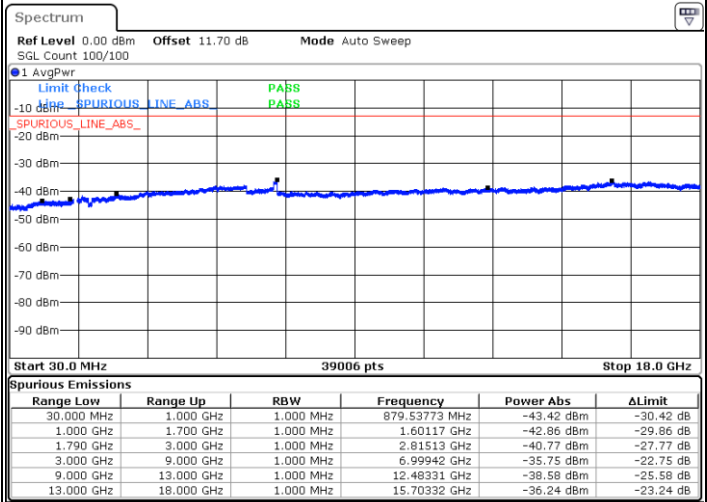
LTE Band 66 / 10MHz

Middle Channel / QPSK



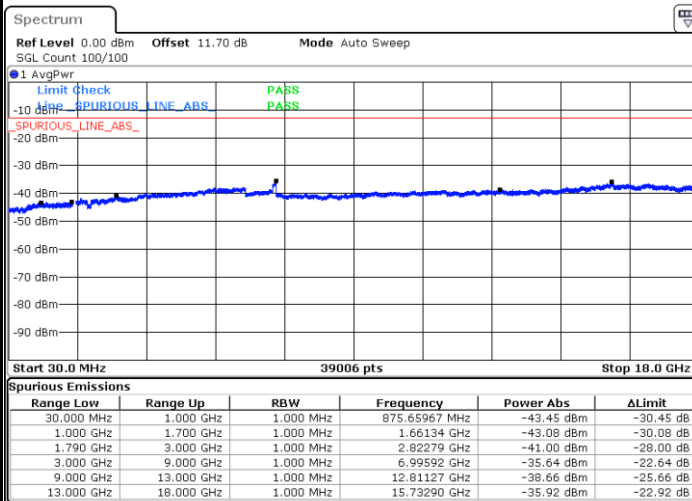
Date: 14.NOV.2019 13:58:53

Middle Channel / 16QAM



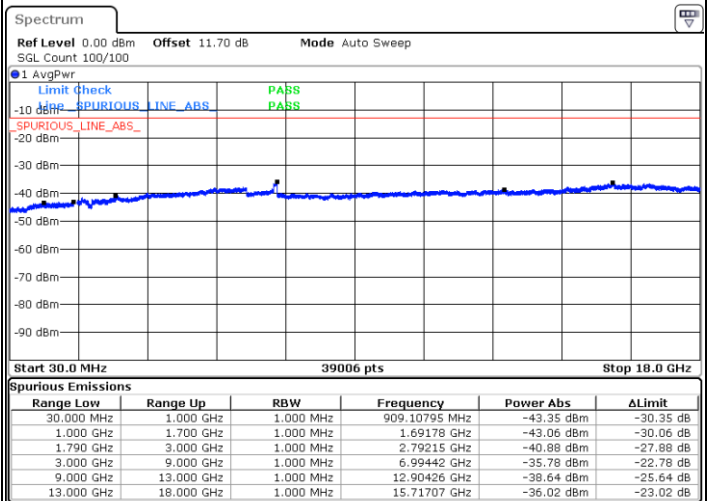
Date: 14.NOV.2019 13:59:36

Highest Channel / QPSK



Date: 14.NOV.2019 14:05:06

Highest Channel / 16QAM

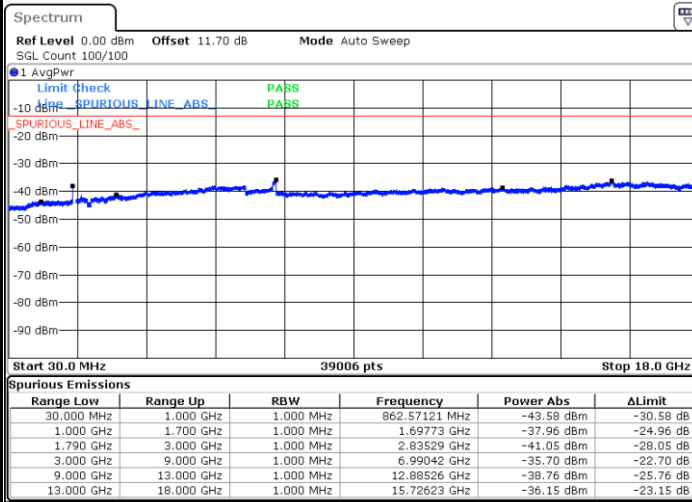


Date: 14.NOV.2019 14:05:49



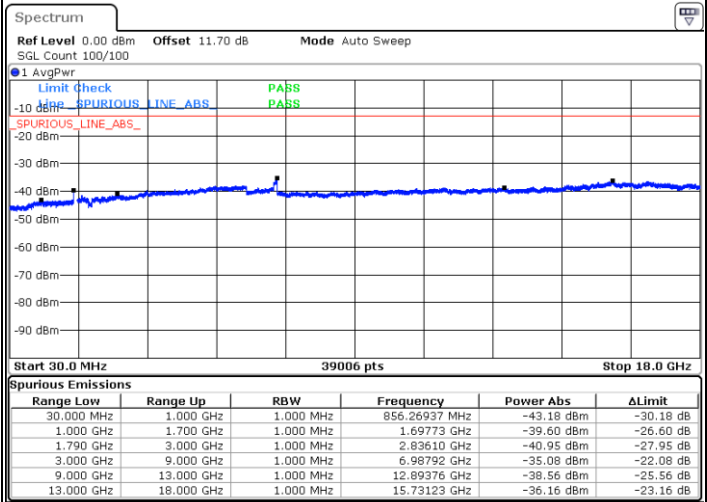
LTE Band 66 / 15MHz

Lowest Channel / QPSK



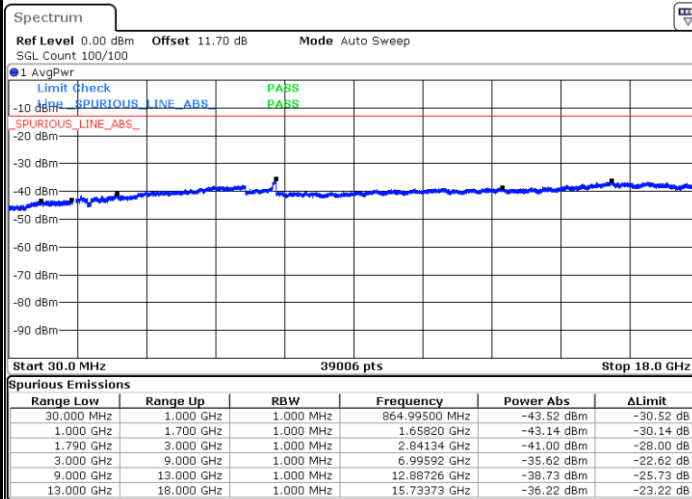
Date: 14.NOV.2019 14:25:57

Lowest Channel / 16QAM



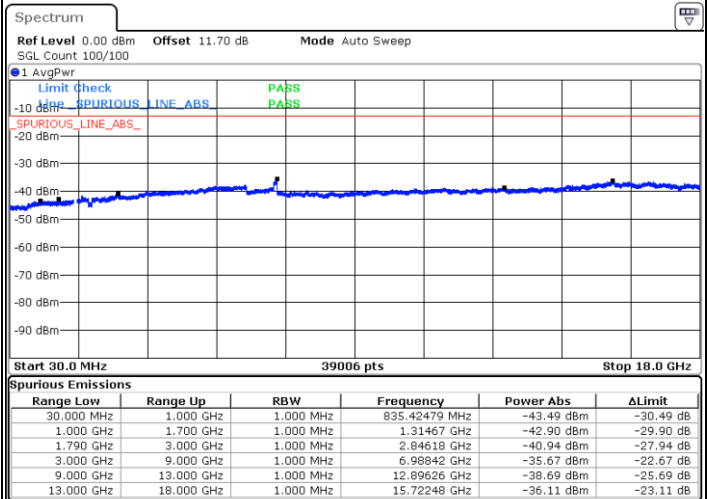
Date: 14.NOV.2019 14:26:40

Middle Channel / QPSK



Date: 14.NOV.2019 14:28:12

Middle Channel / 16QAM

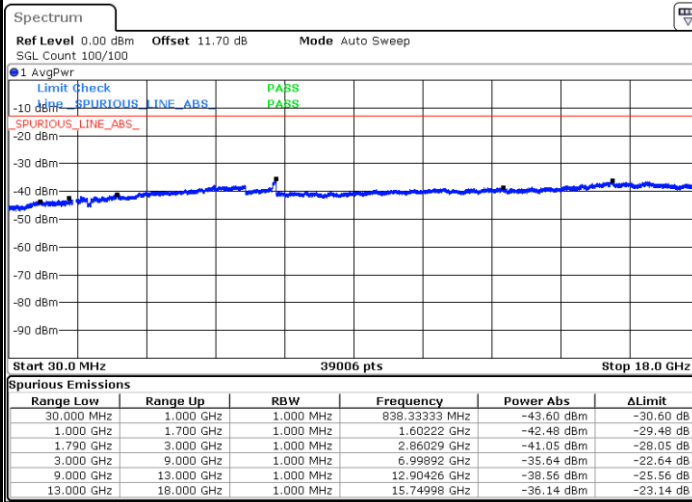


Date: 14.NOV.2019 14:28:54



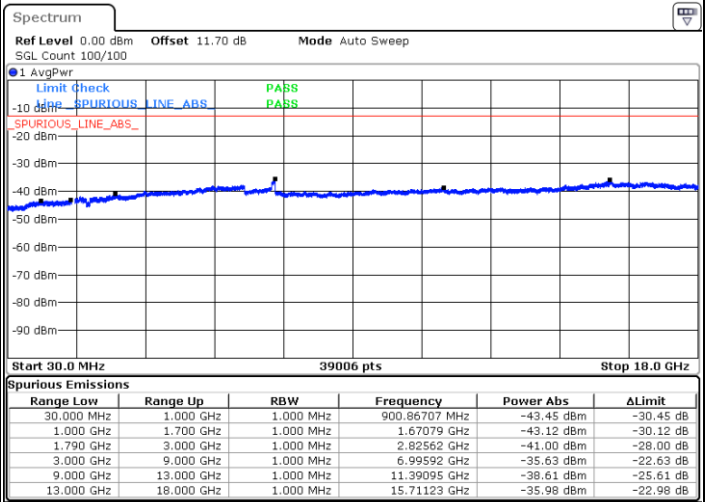
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 14.NOV.2019 14:34:23

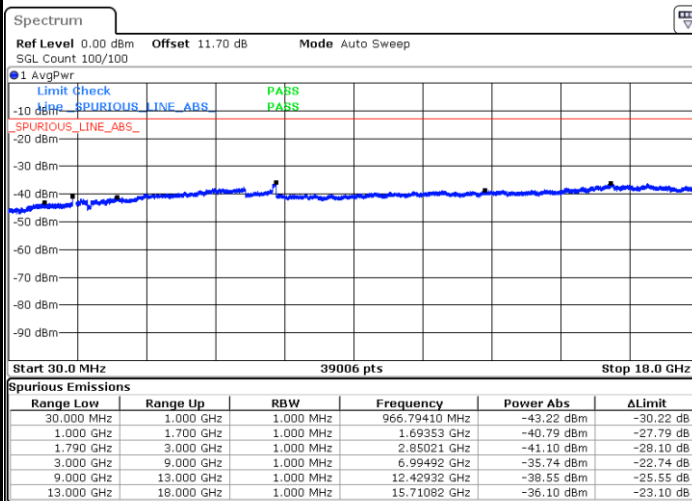
Highest Channel / 16QAM



Date: 14.NOV.2019 14:35:06

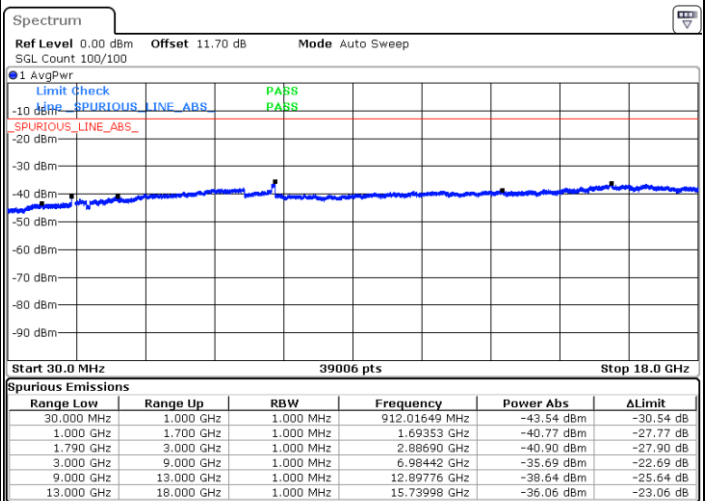
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 14.NOV.2019 14:40:36

Lowest Channel / 16QAM

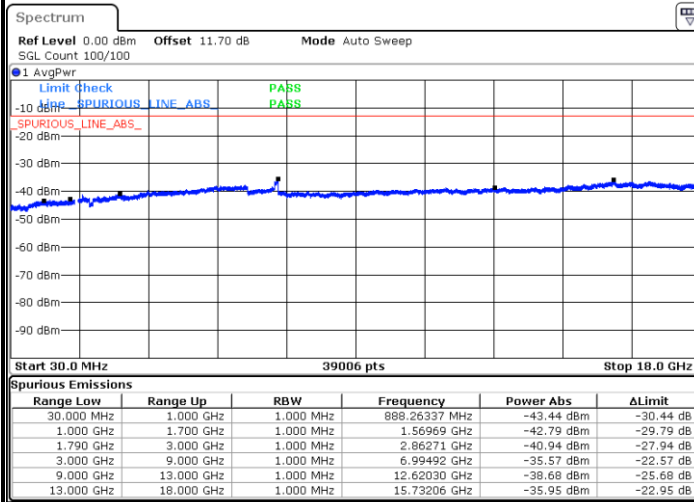


Date: 14.NOV.2019 14:41:18



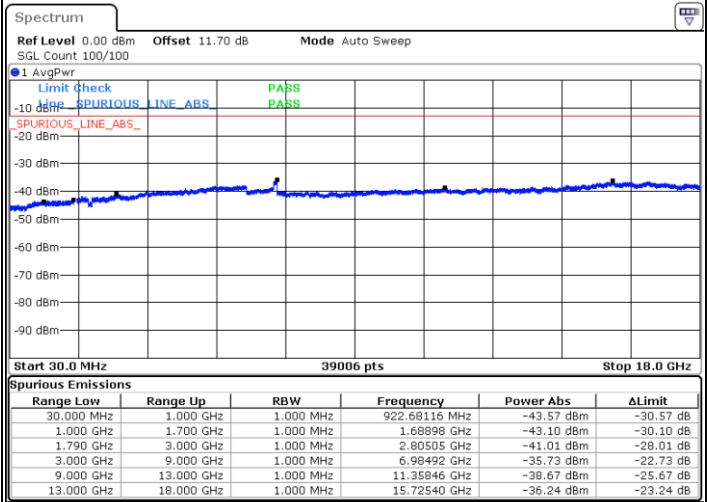
LTE Band 66 / 20MHz

Middle Channel / QPSK



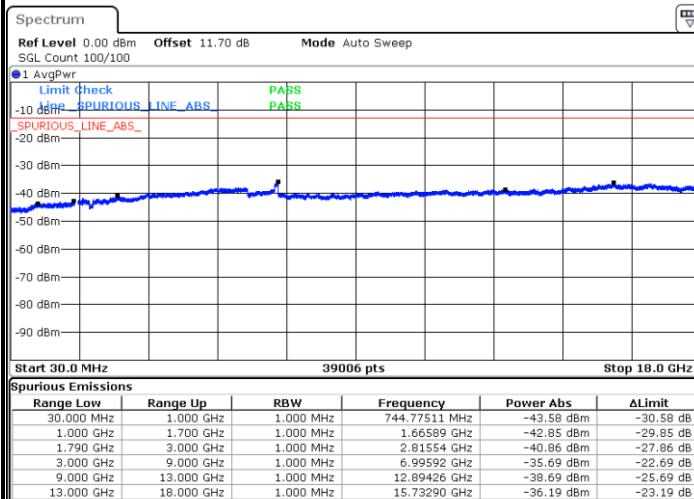
Date: 14.NOV.2019 14:42:50

Middle Channel / 16QAM



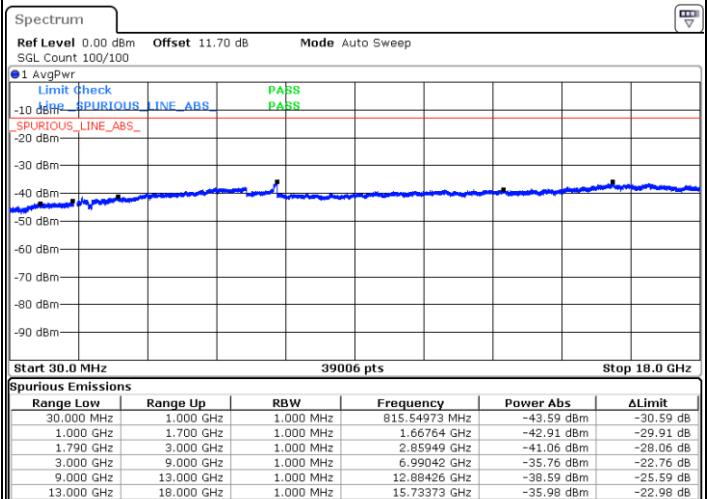
Date: 14.NOV.2019 14:43:33

Highest Channel / QPSK



Date: 14.NOV.2019 14:49:03

Highest Channel / 16QAM

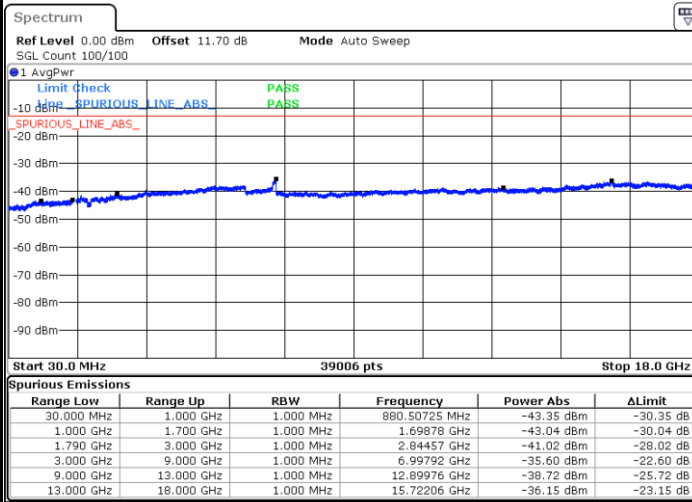


Date: 14.NOV.2019 14:49:45



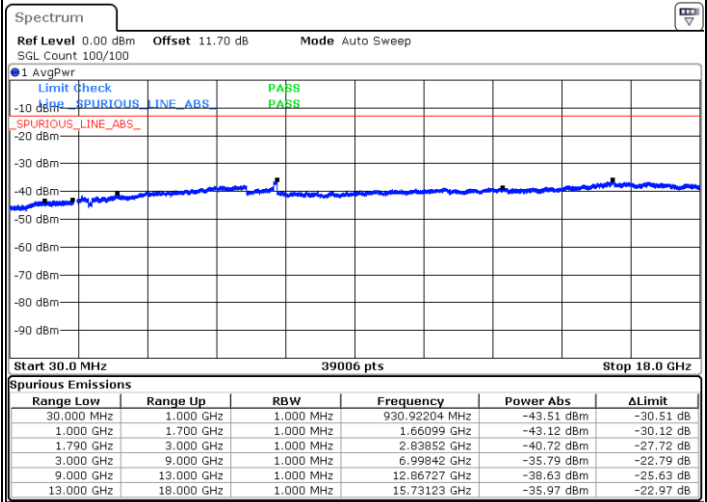
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



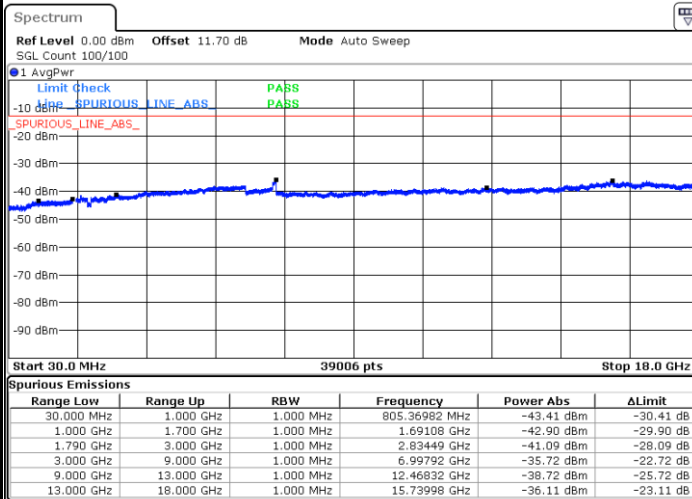
Date: 14.NOV.2019 11:15:03

Middle Channel / 64QAM



Date: 14.NOV.2019 11:16:11

Highest Channel / 64QAM

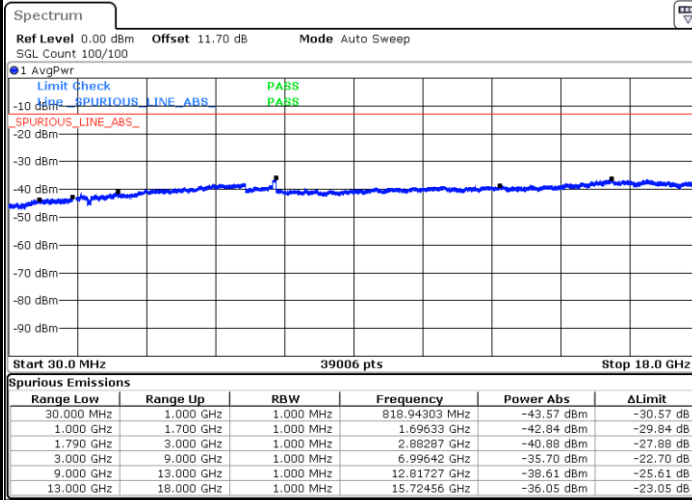


Date: 14.NOV.2019 11:19:23



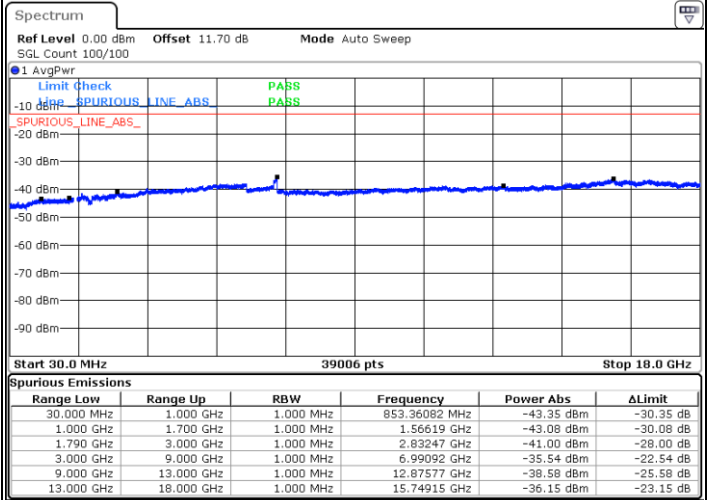
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



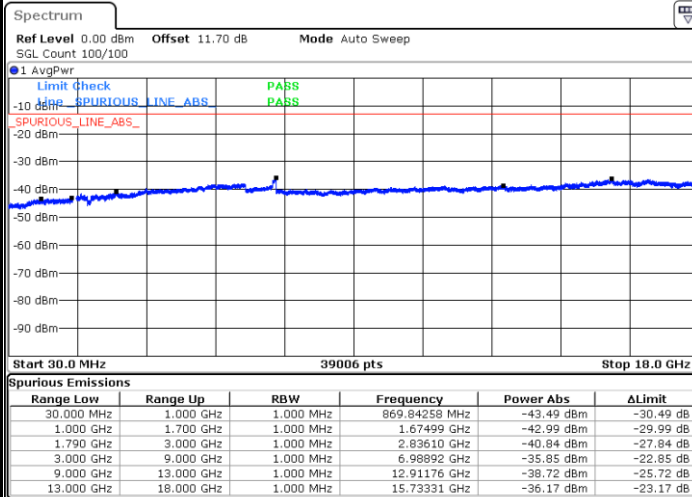
Date: 14.NOV.2019 11:37:11

Middle Channel / 64QAM



Date: 14.NOV.2019 11:38:19

Highest Channel / 64QAM

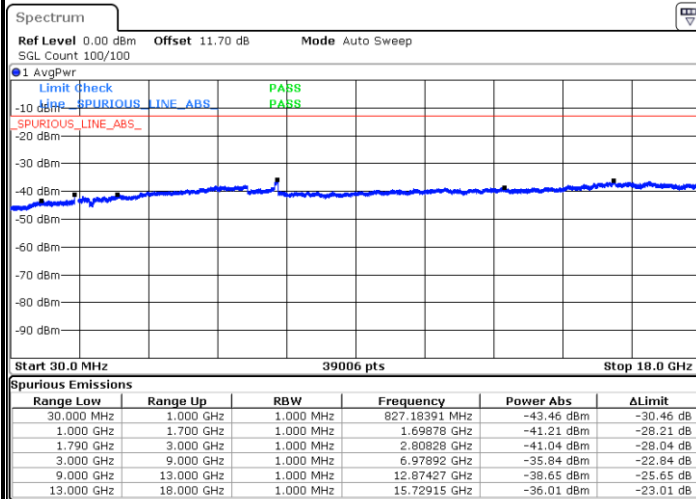


Date: 14.NOV.2019 11:43:40



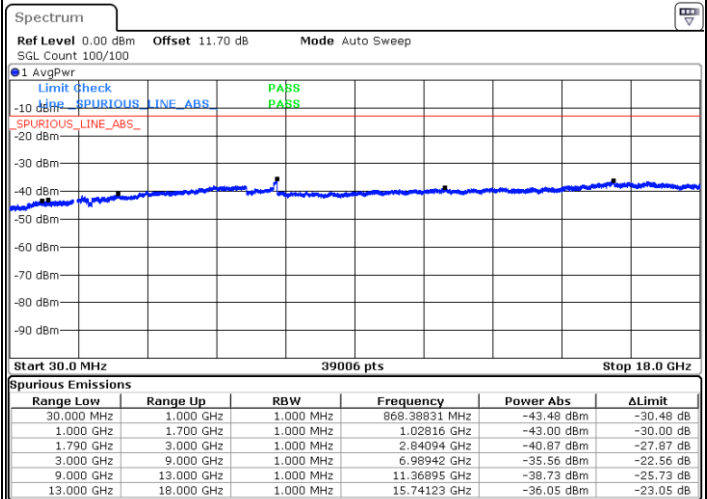
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



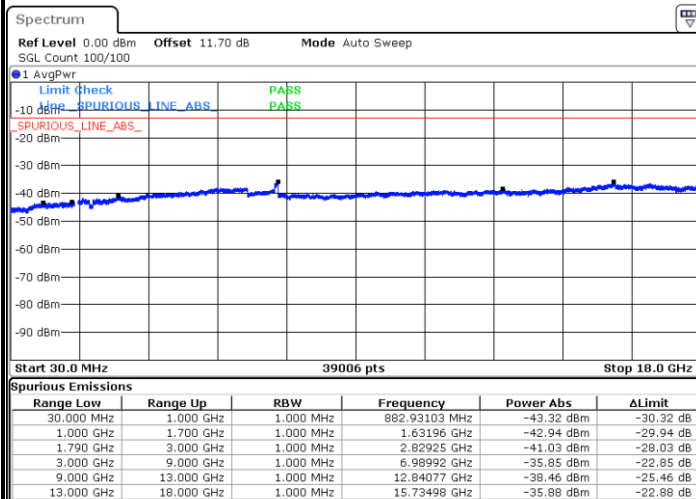
Date: 14.NOV.2019 13:32:14

Middle Channel / 64QAM



Date: 14.NOV.2019 13:33:21

Highest Channel / 64QAM

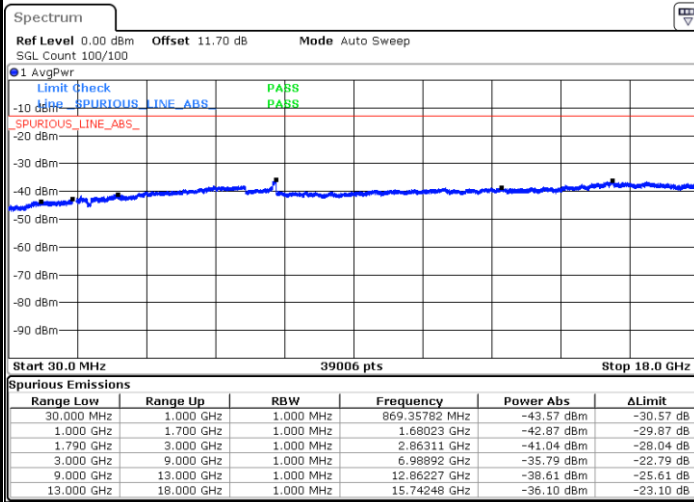


Date: 14.NOV.2019 13:36:27



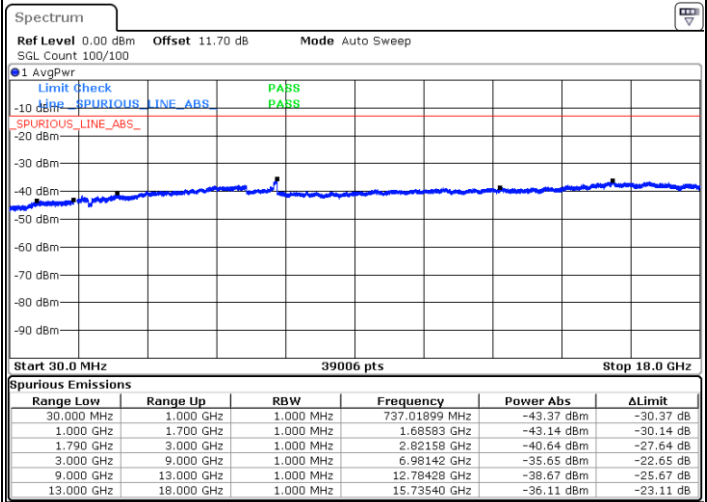
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



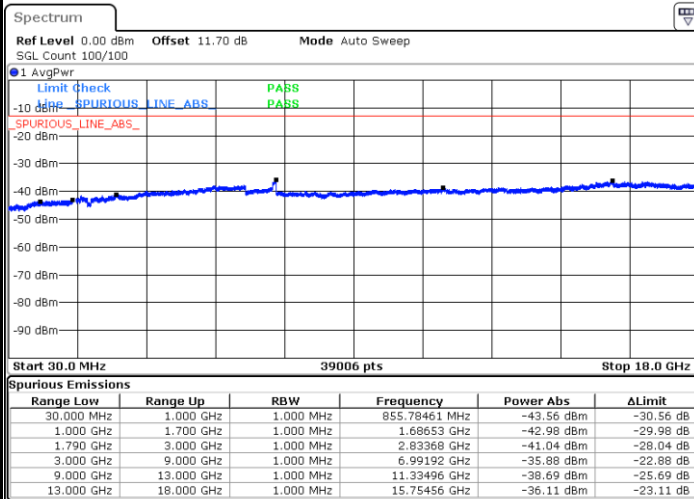
Date: 14.NOV.2019 14:08:55

Middle Channel / 64QAM



Date: 14.NOV.2019 14:10:02

Highest Channel / 64QAM

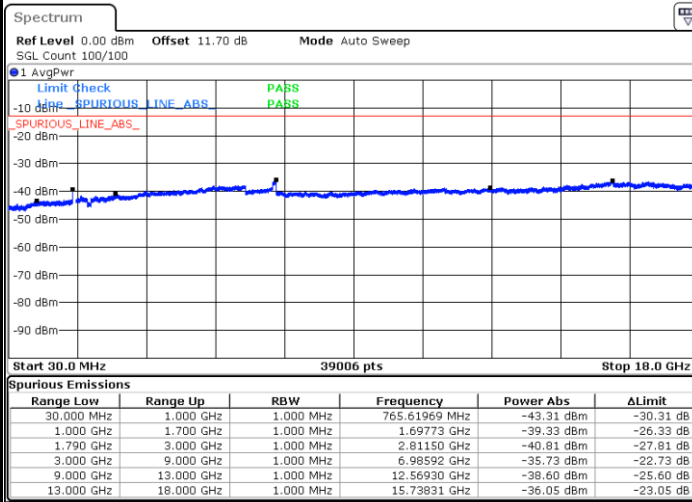


Date: 14.NOV.2019 14:13:07



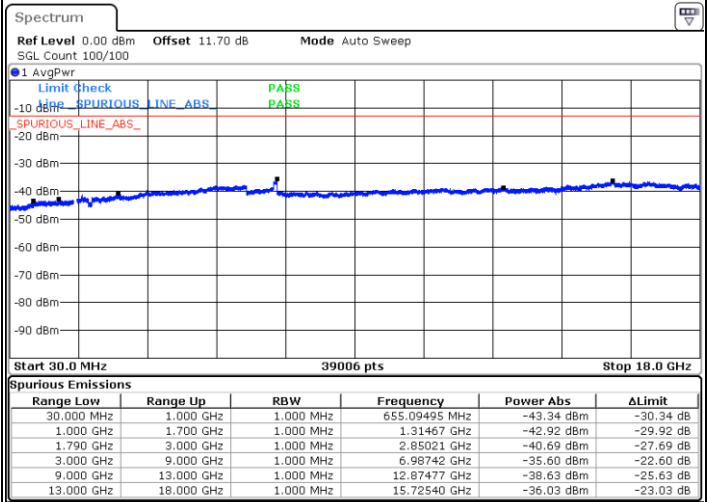
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



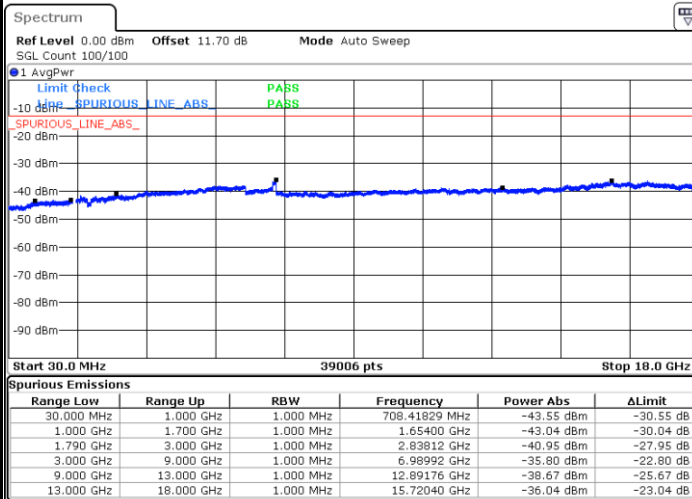
Date: 14.NOV.2019 14:16:14

Middle Channel / 64QAM



Date: 14.NOV.2019 14:17:21

Highest Channel / 64QAM

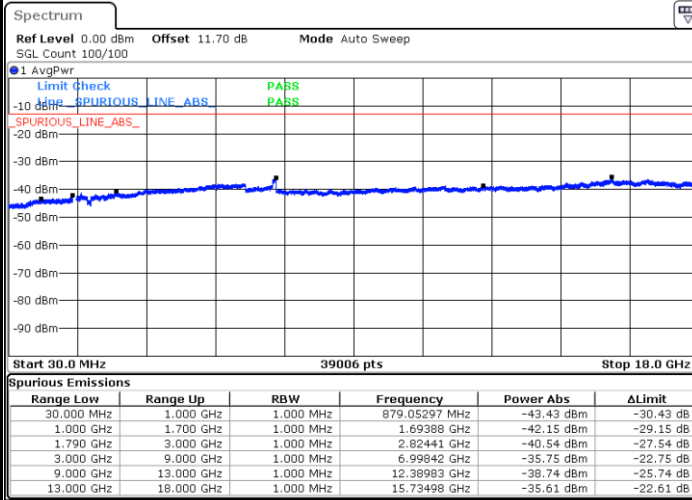


Date: 14.NOV.2019 14:20:28



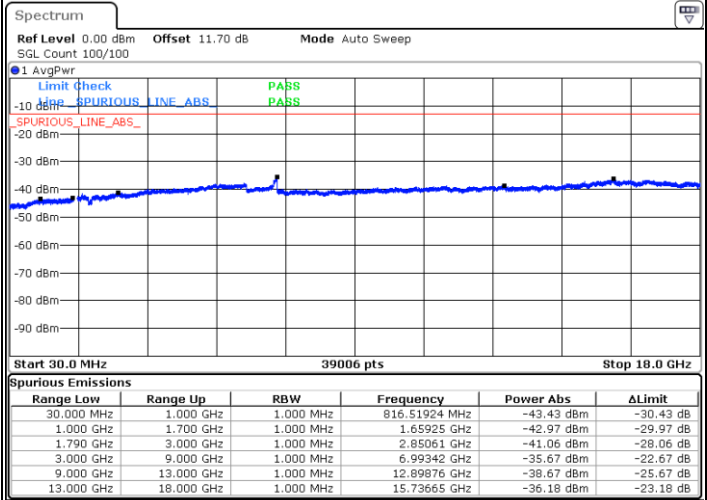
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



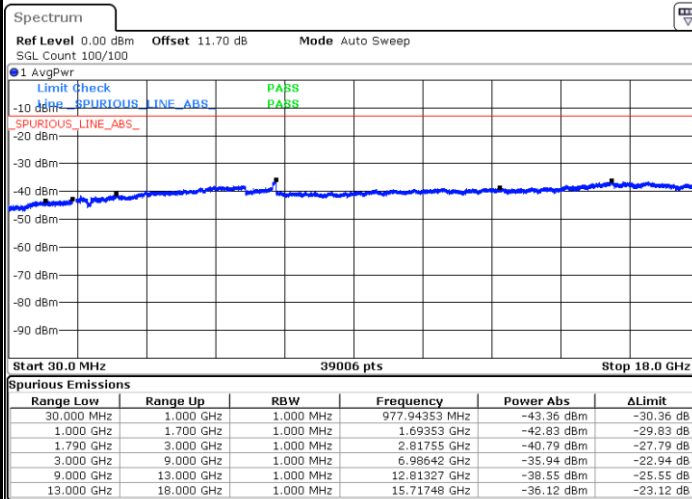
Date: 14.NOV.2019 14:52:51

Middle Channel / 64QAM



Date: 14.NOV.2019 14:53:58

Highest Channel / 64QAM



Date: 14.NOV.2019 14:57:04

Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0045	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0057	
-30	Normal Voltage	0.0050	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =4.0 V. ; Battery End Point (BEP) =3.8 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of ERP/EIRP and Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		EIRP	
		Size	Offset	Power (dBm)	Power (Watts)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.55	0.1799	24.55	0.2851
Middle		1	0	22.18	0.1652	24.18	0.2618
Highest		1	0	22.17	0.1648	24.17	0.2612
Lowest	16QAM	1	0	21.78	0.1507	23.78	0.2388
Middle		1	0	21.52	0.1419	23.52	0.2249
Highest		1	0	21.36	0.1368	23.36	0.2168
Lowest	64QAM	1	0	20.82	0.1208	22.82	0.1914
Middle		1	0	20.40	0.1096	22.40	0.1738
Highest		1	0	20.30	0.1072	22.30	0.1698
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 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	22.57	0.1807	24.57	0.2864
Middle		1	0	22.27	0.1687	24.27	0.2673
Highest		1	0	22.20	0.1660	24.20	0.2630
Lowest	16QAM	1	0	21.82	0.1521	23.82	0.2410
Middle		1	0	21.59	0.1442	23.59	0.2286
Highest		1	0	21.43	0.1390	23.43	0.2203
Lowest	64QAM	1	0	20.86	0.1219	22.86	0.1932
Middle		1	0	20.48	0.1117	22.48	0.1770
Highest		1	0	20.38	0.1091	22.38	0.1730
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 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	22.66	0.1845	24.66	0.2924
Middle		1	0	22.34	0.1714	24.34	0.2716
Highest		1	0	22.24	0.1675	24.24	0.2655
Lowest	16QAM	1	0	21.91	0.1552	23.91	0.2460
Middle		1	0	21.60	0.1445	23.60	0.2291
Highest		1	0	21.47	0.1403	23.47	0.2223
Lowest	64QAM	1	0	20.92	0.1236	22.92	0.1959
Middle		1	0	20.58	0.1143	22.58	0.1811
Highest		1	0	20.44	0.1107	22.44	0.1754
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 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	22.72	0.1871	24.72	0.2965
Middle		1	0	22.40	0.1738	24.40	0.2754
Highest		1	0	22.27	0.1687	24.27	0.2673
Lowest	16QAM	1	0	21.96	0.1570	23.96	0.2489
Middle		1	0	21.62	0.1452	23.62	0.2301
Highest		1	0	21.57	0.1435	23.57	0.2275
Lowest	64QAM	1	0	20.97	0.1250	22.97	0.1982
Middle		1	0	20.67	0.1167	22.67	0.1849
Highest		1	0	20.49	0.1119	22.49	0.1774
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 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	22.74	0.1879	24.74	0.2979
Middle		1	0	22.41	0.1742	24.41	0.2761
Highest		1	0	22.28	0.1690	24.28	0.2679
Lowest	16QAM	1	0	22.04	0.1600	24.04	0.2535
Middle		1	0	21.64	0.1459	23.64	0.2312
Highest		1	0	21.61	0.1449	23.61	0.2296
Lowest	64QAM	1	0	20.98	0.1253	22.98	0.1986
Middle		1	0	20.67	0.1167	22.67	0.1849
Highest		1	0	20.57	0.1140	22.57	0.1807
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 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	22.75	0.1884	24.75	0.2985
Middle		1	0	22.42	0.1746	24.42	0.2767
Highest		1	0	22.35	0.1718	24.35	0.2723
Lowest	16QAM	1	0	22.06	0.1607	24.06	0.2547
Middle		1	0	21.71	0.1483	23.71	0.2350
Highest		1	0	21.65	0.1462	23.65	0.2317
Lowest	64QAM	1	0	20.99	0.1256	22.99	0.1991
Middle		1	0	20.68	0.1169	22.68	0.1854
Highest		1	0	20.57	0.1140	22.57	0.1807
Limit	EIRP < 2W			Result		PASS	



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	0	22.04	0.1600	24.04	0.2535
Middle		1	0	22.12	0.1629	24.12	0.2582
Highest		1	0	22.18	0.1652	24.18	0.2618
Lowest	16QAM	1	5	21.19	0.1315	23.19	0.2084
Middle		1	5	21.49	0.1409	23.49	0.2234
Highest		1	5	21.65	0.1462	23.65	0.2317
Lowest	64QAM	1	3	20.02	0.1005	22.02	0.1592
Middle		1	3	20.12	0.1028	22.12	0.1629
Highest		1	3	20.55	0.1135	22.55	0.1799
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	22.10	0.1622	24.10	0.2570
Middle		1	0	22.18	0.1652	24.18	0.2618
Highest		1	0	22.26	0.1683	24.26	0.2667
Lowest	16QAM	1	14	21.24	0.1330	23.24	0.2109
Middle		1	14	21.57	0.1435	23.57	0.2275
Highest		1	14	21.65	0.1462	23.65	0.2317
Lowest	64QAM	1	14	20.19	0.1045	22.19	0.1656
Middle		1	14	20.35	0.1084	22.35	0.1718
Highest		1	14	20.61	0.1151	22.61	0.1824
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	22.17	0.1648	24.17	0.2612
Middle		1	0	22.19	0.1656	24.19	0.2624
Highest		1	0	22.32	0.1706	24.32	0.2704
Lowest	16QAM	1	24	21.26	0.1337	23.26	0.2118
Middle		1	24	21.59	0.1442	23.59	0.2286
Highest		1	24	21.66	0.1466	23.66	0.2323
Lowest	64QAM	1	24	20.22	0.1052	22.22	0.1667
Middle		1	24	20.41	0.1099	22.41	0.1742
Highest		1	24	20.64	0.1159	22.64	0.1837
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	22.07	0.1611	24.07	0.2553
Middle		1	0	22.23	0.1671	24.23	0.2649
Highest		1	0	22.38	0.1730	24.38	0.2742
Lowest	16QAM	1	49	21.27	0.1340	23.27	0.2123
Middle		1	49	21.59	0.1442	23.59	0.2286
Highest		1	49	21.71	0.1483	23.71	0.2350
Lowest	64QAM	1	49	20.26	0.1062	22.26	0.1683
Middle		1	49	20.43	0.1104	22.43	0.1750
Highest		1	49	20.69	0.1172	22.69	0.1858
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	22.04	0.1600	24.04	0.2535
Middle		1	0	22.28	0.1690	24.28	0.2679
Highest		1	0	22.43	0.1750	24.43	0.2773
Lowest	16QAM	1	74	21.34	0.1361	23.34	0.2158
Middle		1	74	21.62	0.1452	23.62	0.2301
Highest		1	74	21.76	0.1500	23.76	0.2377
Lowest	64QAM	1	74	20.29	0.1069	22.29	0.1694
Middle		1	74	20.49	0.1119	22.49	0.1774
Highest		1	74	20.69	0.1172	22.69	0.1858
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	22.12	0.1629	24.12	0.2582
Middle		1	0	22.31	0.1702	24.31	0.2698
Highest		1	0	22.52	0.1786	24.52	0.2831
Lowest	16QAM	1	99	21.43	0.1390	23.43	0.2203
Middle		1	99	21.64	0.1459	23.64	0.2312
Highest		1	99	21.84	0.1528	23.84	0.2421
Lowest	64QAM	1	99	20.37	0.1089	22.37	0.1726
Middle		1	99	20.57	0.1140	22.57	0.1807
Highest		1	99	20.77	0.1194	22.77	0.1892
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.02	0.1592	21.87	0.1538
Middle		1	0	22.41	0.1742	22.26	0.1683
Highest		1	0	22.84	0.1923	22.69	0.1858
Lowest	16QAM	1	5	21.42	0.1387	21.27	0.1340
Middle		1	5	21.73	0.1489	21.58	0.1439
Highest		1	5	22.10	0.1622	21.95	0.1567
Lowest	64QAM	1	5	20.49	0.1119	20.34	0.1081
Middle		1	5	20.65	0.1161	20.50	0.1122
Highest		1	5	21.14	0.1300	20.99	0.1256
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.04	0.1600	21.89	0.1545
Middle		1	0	22.48	0.1770	22.33	0.1710
Highest		1	0	22.87	0.1936	22.72	0.1871
Lowest	16QAM	1	14	21.47	0.1403	21.32	0.1355
Middle		1	14	21.75	0.1496	21.60	0.1445
Highest		1	14	22.13	0.1633	21.98	0.1578
Lowest	64QAM	1	14	20.50	0.1122	20.35	0.1084
Middle		1	14	20.68	0.1169	20.53	0.1130
Highest		1	14	21.16	0.1306	21.01	0.1262
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.14	0.1637	21.99	0.1581
Middle		1	0	22.50	0.1778	22.35	0.1718
Highest		1	0	22.89	0.1945	22.74	0.1879
Lowest	16QAM	1	24	21.47	0.1403	21.32	0.1355
Middle		1	24	21.79	0.1510	21.64	0.1459
Highest		1	24	22.22	0.1667	22.07	0.1611
Lowest	64QAM	1	24	20.52	0.1127	20.37	0.1089
Middle		1	24	20.76	0.1191	20.61	0.1151
Highest		1	24	21.19	0.1315	21.04	0.1271
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.20	0.1660	22.05	0.1603
Middle		1	0	22.58	0.1811	22.43	0.1750
Highest		1	0	22.99	0.1991	22.84	0.1923
Lowest	16QAM	1	49	21.54	0.1426	21.39	0.1377
Middle		1	49	21.89	0.1545	21.74	0.1493
Highest		1	49	22.26	0.1683	22.11	0.1626
Lowest	64QAM	1	49	20.55	0.1135	20.40	0.1096
Middle		1	49	20.84	0.1213	20.69	0.1172
Highest		1	49	21.21	0.1321	21.06	0.1276
Limit	ERP < 7W			Result		PASS	



LTE Band 12 / 1.4MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.06	0.2023	22.91	0.1954
Middle		1	0	23.04	0.2014	22.89	0.1945
Highest		1	0	23.04	0.2014	22.89	0.1945
Lowest	16QAM	1	3	22.24	0.1675	22.09	0.1618
Middle		1	3	22.41	0.1742	22.26	0.1683
Highest		1	3	22.18	0.1652	22.03	0.1596
Lowest	64QAM	1	5	21.23	0.1327	21.08	0.1282
Middle		1	5	21.34	0.1361	21.19	0.1315
Highest		1	5	21.08	0.1282	20.93	0.1239
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.10	0.2042	22.95	0.1972
Middle		1	0	23.09	0.2037	22.94	0.1968
Highest		1	0	23.04	0.2014	22.89	0.1945
Lowest	16QAM	1	8	22.28	0.1690	22.13	0.1633
Middle		1	8	22.41	0.1742	22.26	0.1683
Highest		1	8	22.20	0.1660	22.05	0.1603
Lowest	64QAM	1	14	21.31	0.1352	21.16	0.1306
Middle		1	14	21.36	0.1368	21.21	0.1321
Highest		1	14	21.12	0.1294	20.97	0.1250
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 5MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.19	0.2084	23.04	0.2014
Middle		1	0	23.13	0.2056	22.98	0.1986
Highest		1	0	23.05	0.2018	22.90	0.1950
Lowest	16QAM	1	24	22.46	0.1762	22.31	0.1702
Middle		1	24	22.41	0.1742	22.26	0.1683
Highest		1	24	22.22	0.1667	22.07	0.1611
Lowest	64QAM	1	24	21.35	0.1365	21.20	0.1318
Middle		1	24	21.37	0.1371	21.22	0.1324
Highest		1	24	21.15	0.1303	21.00	0.1259
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 10MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	23.25	0.2113	23.10	0.2042
Middle		1	0	23.15	0.2065	23.00	0.1995
Highest		1	0	23.11	0.2046	22.96	0.1977
Lowest	16QAM	1	49	22.48	0.1770	22.33	0.1710
Middle		1	49	22.43	0.1750	22.28	0.1690
Highest		1	49	22.31	0.1702	22.16	0.1644
Lowest	64QAM	1	49	21.43	0.1390	21.28	0.1343
Middle		1	49	21.44	0.1393	21.29	0.1346
Highest		1	49	21.24	0.1330	21.09	0.1285
Limit	ERP < 3W			Result		PASS	



LTE Band 13 / 5MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	22.72	0.1871	22.57	0.1807
Middle		1	0	22.67	0.1849	22.52	0.1786
Highest		1	0	22.69	0.1858	22.54	0.1795
Lowest	16QAM	1	0	21.97	0.1574	21.82	0.1521
Middle		1	0	21.95	0.1567	21.80	0.1514
Highest		1	0	21.98	0.1578	21.83	0.1524
Lowest	64QAM	1	0	20.96	0.1247	20.81	0.1205
Middle		1	0	21.00	0.1259	20.85	0.1216
Highest		1	0	21.00	0.1259	20.85	0.1216
Limit	ERP < 3W			Result		PASS	

LTE Band 13 / 10MHz (Average) (GT - LC = 2 dB)							
Channel	Mode	RB		Conducted		ERP	
		Size	Offset	Power (dBm)	Power (Watts)	ERP(dBm)	ERP(W)
Lowest	QPSK	-	-	-	-	-	-
Middle		1	0	22.75	0.1884	22.60	0.1820
Highest		-	-	-	-	-	-
Lowest	16QAM	-	-	-	-	-	-
Middle		1	0	22.01	0.1589	21.86	0.1535
Highest		-	-	-	-	-	-
Lowest	64QAM	-	-	-	-	-	-
Middle		1	0	21.00	0.1259	20.85	0.1216
Highest		-	-	-	-	-	-
Limit	ERP < 3W			Result		PASS	



LTE Band 66 / 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	0	22.22	0.1667	24.22	0.2642
Middle		1	0	22.55	0.1799	24.55	0.2851
Highest		1	0	22.83	0.1919	24.83	0.3041
Lowest	16QAM	1	5	21.59	0.1442	23.59	0.2286
Middle		1	5	21.86	0.1535	23.86	0.2432
Highest		1	5	22.14	0.1637	24.14	0.2594
Lowest	64QAM	1	3	20.45	0.1109	22.45	0.1758
Middle		1	3	20.67	0.1167	22.67	0.1849
Highest		1	3	20.98	0.1253	22.98	0.1986
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 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	22.25	0.1679	24.25	0.2661
Middle		1	0	22.58	0.1811	24.58	0.2871
Highest		1	0	22.88	0.1941	24.88	0.3076
Lowest	16QAM	1	14	21.51	0.1416	23.51	0.2244
Middle		1	14	21.79	0.1510	23.79	0.2393
Highest		1	14	22.17	0.1648	24.17	0.2612
Lowest	64QAM	1	8	20.43	0.1104	22.43	0.1750
Middle		1	8	20.65	0.1161	22.65	0.1841
Highest		1	8	21.03	0.1268	23.03	0.2009
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 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	22.27	0.1687	24.27	0.2673
Middle		1	0	22.61	0.1824	24.61	0.2891
Highest		1	0	22.83	0.1919	24.83	0.3041
Lowest	16QAM	1	24	21.56	0.1432	23.56	0.2270
Middle		1	24	21.79	0.1510	23.79	0.2393
Highest		1	24	22.10	0.1622	24.10	0.2570
Lowest	64QAM	1	12	20.48	0.1117	22.48	0.1770
Middle		1	12	20.60	0.1148	22.60	0.1820
Highest		1	12	21.01	0.1262	23.01	0.2000
Limit	EIRP < 1W			Result		PASS	



LTE Band 66 / 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	22.27	0.1687	24.27	0.2673
Middle		1	0	22.62	0.1828	24.62	0.2897
Highest		1	0	22.89	0.1945	24.89	0.3083
Lowest	16QAM	1	49	21.50	0.1413	23.50	0.2239
Middle		1	49	21.85	0.1531	23.85	0.2427
Highest		1	49	22.19	0.1656	24.19	0.2624
Lowest	64QAM	1	25	20.41	0.1099	22.41	0.1742
Middle		1	25	20.64	0.1159	22.64	0.1837
Highest		1	25	20.96	0.1247	22.96	0.1977
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 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	22.28	0.1690	24.28	0.2679
Middle		1	0	22.55	0.1799	24.55	0.2851
Highest		1	0	22.88	0.1941	24.88	0.3076
Lowest	16QAM	1	74	21.53	0.1422	23.53	0.2254
Middle		1	74	21.84	0.1528	23.84	0.2421
Highest		1	74	22.18	0.1652	24.18	0.2618
Lowest	64QAM	1	37	20.46	0.1112	22.46	0.1762
Middle		1	37	20.62	0.1153	22.62	0.1828
Highest		1	37	21.02	0.1265	23.02	0.2004
Limit	EIRP < 1W			Result		PASS	

LTE Band 66 / 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	22.30	0.1698	24.30	0.2692
Middle		1	0	22.62	0.1828	24.62	0.2897
Highest		1	0	22.90	0.1950	24.90	0.3090
Lowest	16QAM	1	99	21.59	0.1442	23.59	0.2286
Middle		1	99	21.86	0.1535	23.86	0.2432
Highest		1	99	22.19	0.1656	24.19	0.2624
Lowest	64QAM	1	49	20.49	0.1119	22.49	0.1774
Middle		1	49	20.69	0.1172	22.69	0.1858
Highest		1	49	21.03	0.1268	23.03	0.2009
Limit	EIRP < 1W			Result		PASS	

**Radiated Spurious Emission****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	1648	-63.36	-13	-50.36	-75.56	-65.12	0.98	4.89	H
	2472	-59.79	-13	-46.79	-77.2	-61.67	1.28	5.32	H
	3296	-58.59	-13	-45.59	-78.08	-62	1.54	7.10	H
									H
	1648	-63.13	-13	-50.13	-75.75	-64.89	0.98	4.89	V
	2472	-59.51	-13	-46.51	-77.2	-61.39	1.28	5.32	V
	3296	-58.36	-13	-45.36	-78.05	-61.77	1.54	7.10	V
									V
Middle	1664	-63.11	-13	-50.11	-75.51	-64.82	0.98	4.84	H
	2496	-60.44	-13	-47.44	-77.76	-62.39	1.29	5.39	H
	3328	-58.51	-13	-45.51	-78.23	-62.05	1.55	7.24	H
									H
	1664	-63.02	-13	-50.02	-75.88	-64.73	0.98	4.84	V
	2496	-59.56	-13	-46.56	-77.33	-61.51	1.29	5.39	V
	3328	-58.31	-13	-45.31	-78.15	-61.85	1.55	7.24	V
									V
Highest	1680	-63.46	-13	-50.46	-76.01	-65.11	0.99	4.80	H
	2520	-59.95	-13	-46.95	-77.3	-61.92	1.30	5.42	H
	3352	-59.02	-13	-46.02	-78.62	-62.66	1.56	7.35	H
									H
	1680	-63.21	-13	-50.21	-75.98	-64.86	0.99	4.80	V
	2520	-58.24	-13	-45.24	-76.05	-60.21	1.30	5.42	V
	3352	-58.33	-13	-45.33	-78.32	-61.97	1.56	7.35	V
									V

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



LTE Band 2

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-57.45	-13	-44.45	-78.53	-64.02	1.67	8.24	H
	9252	-42.82	-13	-29.82	-74.13	-52.88	2.54	12.60	H
	11110.5	-41.76	-13	-28.76	-77.49	-51.53	2.69	12.46	H
									H
	3702	-54.12	-13	-41.12	-75.27	-60.69	1.67	8.24	V
	9252	-35.52	-13	-22.52	-67.17	-45.58	2.54	12.60	V
	11110.5	-39.11	-13	-26.11	-74.66	-48.88	2.69	12.46	V
									V
Middle	3744	-57.58	-13	-44.58	-78.65	-64.19	1.68	8.29	H
	9357	-41.28	-13	-28.28	-72.85	-51.28	2.56	12.56	H
	11226	-41.43	-13	-28.43	-77.28	-51.15	2.69	12.41	H
									H
	3744	-56.21	-13	-43.21	-77.17	-62.82	1.68	8.29	V
	9357	-36.08	-13	-23.08	-68.05	-46.08	2.56	12.56	V
	11226	-37.33	-13	-24.33	-73.03	-47.05	2.69	12.41	V
									V
Highest	3780	-57.88	-13	-44.88	-78.88	-64.52	1.69	8.34	H
	9451.5	-39.98	-13	-26.98	-71.7	-49.92	2.58	12.52	H
	11352	-41.98	-13	-28.98	-77.9	-51.66	2.68	12.36	H
									H
	3780	-54.72	-13	-41.72	-75.82	-61.36	1.69	8.34	V
	9451.5	-32.49	-13	-19.49	-64.57	-42.43	2.58	12.52	V
	11352	-39.71	-13	-26.71	-75.64	-49.39	2.68	12.36	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	1400	-64.69	-13.00	-51.69	-75.14	-66.35	0.87	4.68	H
	2096	-59.18	-13.00	-46.18	-74.83	-60.05	1.16	4.19	H
	2792	-60.54	-13.00	-47.54	-78.35	-62.64	1.38	5.63	H
									H
	1400	-64.53	-13.00	-51.53	-75.45	-66.19	0.87	4.68	V
	2096	-61.15	-13.00	-48.15	-77.11	-62.02	1.16	4.19	V
	2792	-59.66	-13.00	-46.66	-78.13	-61.76	1.38	5.63	V
									V
Middle	1408	-65.11	-13.00	-52.11	-75.55	-66.82	0.87	4.73	H
	2104	-61.96	-13.00	-48.96	-77.65	-62.86	1.17	4.21	H
	2808	-60.52	-13.00	-47.52	-78.02	-62.63	1.39	5.65	H
									H
	1408	-63.58	-13.00	-50.58	-74.51	-65.29	0.87	4.73	V
	2104	-61.44	-13.00	-48.44	-77.49	-62.34	1.17	4.21	V
	2808	-59.73	-13.00	-46.73	-78.11	-61.84	1.39	5.65	V
									V
Highest	1416	-62.08	-13.00	-49.08	-72.52	-63.83	0.87	4.78	H
	2120	-61.57	-13.00	-48.57	-77.29	-62.51	1.17	4.26	H
	2824	-60.35	-13.00	-47.35	-77.99	-62.47	1.39	5.66	H
									H
	1416	-63.83	-13.00	-50.83	-74.80	-65.58	0.87	4.78	V
	2120	-61.09	-13.00	-48.09	-77.23	-62.03	1.17	4.26	V
	2824	-59.33	-13.00	-46.33	-77.84	-61.45	1.39	5.66	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	1552	-62.31	-13	-49.31	-73.66	-64.38	0.94	5.15	H
	2328	-60.54	-13	-47.54	-77.19	-62.04	1.24	4.88	H
	3112	-59.87	-13	-46.87	-78.37	-62.53	1.48	6.29	H
									H
	1552	-61.22	-13	-48.22	-73.13	-63.29	0.94	5.15	V
	2328	-60.06	-13	-47.06	-77.21	-61.56	1.24	4.88	V
	3112	-58.68	-13	-45.68	-78.19	-61.34	1.48	6.29	V
									V
Middle	1560	-63.97	-42.15	-21.82	-75.42	-66.01	0.94	5.13	H
	2336	-60.09	-13	-47.09	-76.88	-61.61	1.24	4.91	H
	3120	-59.53	-13	-46.53	-78.14	-62.22	1.49	6.33	H
									H
	1560	-63.54	-42.15	-21.39	-75.55	-65.58	0.94	5.13	V
	2336	-59.84	-13	-46.84	-76.92	-61.36	1.24	4.91	V
	3120	-58.62	-13	-45.62	-77.95	-61.31	1.49	6.33	V
									V
Highest	1568	-60.41	-42.15	-18.26	-71.90	-62.43	0.94	5.11	H
	2344	-60.04	-13	-47.04	-76.74	-61.58	1.24	4.93	H
	3128	-59.54	-13	-46.54	-78.18	-62.27	1.49	6.36	H
									H
	1568	-61.57	-42.15	-19.42	-73.57	-63.59	0.94	5.11	V
	2344	-60.27	-13	-47.27	-77.37	-61.81	1.24	4.93	V
	3128	-58.83	-13	-45.83	-78.32	-61.56	1.49	6.36	V
									V

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



LTE Band 13 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1552	-63.05	-13	-50.05	-74.46	-65.12	0.94	5.15	H
	2328	-60.71	-13	-47.71	-77.36	-62.21	1.24	4.88	H
	3112	-59.47	-13	-46.47	-78	-62.13	1.48	6.29	H
									H
	1552	-61.54	-13	-48.54	-73.35	-63.61	0.94	5.15	V
	2328	-60.33	-13	-47.33	-77.35	-61.83	1.24	4.88	V
	3112	-59.16	-13	-46.16	-78.42	-61.82	1.48	6.29	V
									V

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

**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	-57.12	-13	-44.12	-78.11	-63.19	1.58	7.65	H
	8556	-46.08	-13	-33.08	-75.91	-56.22	2.39	12.52	H
	10270.5	-40.54	-13	-27.54	-73.93	-50.15	2.69	12.31	H
									H
	3420	-57.54	-13	-44.54	-78.52	-63.61	1.58	7.65	V
	8556	-40.41	-13	-27.41	-70.46	-50.55	2.39	12.52	V
	10270.5	-36.51	-13	-23.51	-69.8	-46.12	2.69	12.31	V
									V
Middle	3444	-57.45	-13	-44.45	-78.39	-63.62	1.59	7.75	H
	8616	-48.28	-13	-35.28	-77.94	-58.43	2.40	12.55	H
	10344	-40.67	-13	-27.67	-74.01	-50.31	2.69	12.34	H
									H
	3444	-58.11	-13	-45.11	-78.94	-64.28	1.59	7.75	V
	8616	-43.94	-13	-30.94	-73.98	-54.09	2.40	12.55	V
	10344	-35.50	-13	-22.50	-68.68	-45.14	2.69	12.34	V
									V
Highest	3468	-57.79	-13	-44.79	-78.8	-64.05	1.59	7.86	H
	8682	-47.12	-13	-34.12	-77.18	-57.28	2.41	12.57	H
	10417.5	-41.27	-13	-28.27	-75.03	-50.94	2.69	12.37	H
									H
	3468	-57.13	-13	-44.13	-78.26	-63.39	1.59	7.86	V
	8682	-44.95	-13	-31.95	-75.33	-55.11	2.41	12.57	V
	10417.5	-35.85	-13	-22.85	-69.43	-45.52	2.69	12.37	V
									V

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

**LTE Band 66**

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	-58.16	-13	-45.16	-78.86	-64.23	1.58	7.65	H
	8556	-47.04	-13	-34.04	-76.59	-57.18	2.39	12.52	H
	10270.5	-40.97	-13	-27.97	-74.08	-50.58	2.69	12.31	H
									H
	3420	-57.98	-13	-44.98	-78.73	-64.05	1.58	7.65	V
	8556	-42.14	-13	-29.14	-72.06	-52.28	2.39	12.52	V
	10270.5	-35.77	-13	-22.77	-68.78	-45.38	2.69	12.31	V
									V
Middle	3474	-57.37	-13	-44.37	-78.39	-63.66	1.60	7.89	H
	8682	-47.52	-13	-34.52	-77.3	-57.68	2.41	12.57	H
	10417.5	-41.77	-13	-28.77	-75.29	-51.44	2.69	12.37	H
									H
	3474	-56.68	-13	-43.68	-77.58	-62.97	1.60	7.89	V
	8682	-45.27	-13	-32.27	-75.41	-55.43	2.41	12.57	V
	10417.5	-35.89	-13	-22.89	-69.26	-45.56	2.69	12.37	V
									V
Highest	3522	-57.24	-13	-44.24	-78.28	-63.66	1.61	8.03	H
	8808	-47.31	-13	-34.31	-77.26	-57.49	2.44	12.62	H
	10564.5	-41.76	-13	-28.76	-75.71	-51.48	2.69	12.41	H
									H
	3522	-55.73	-13	-42.73	-76.65	-62.15	1.61	8.03	V
	8808	-42.84	-13	-29.84	-73.2	-53.02	2.44	12.62	V
	10564.5	-35.36	-13	-22.36	-69.12	-45.08	2.69	12.41	V
									V

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