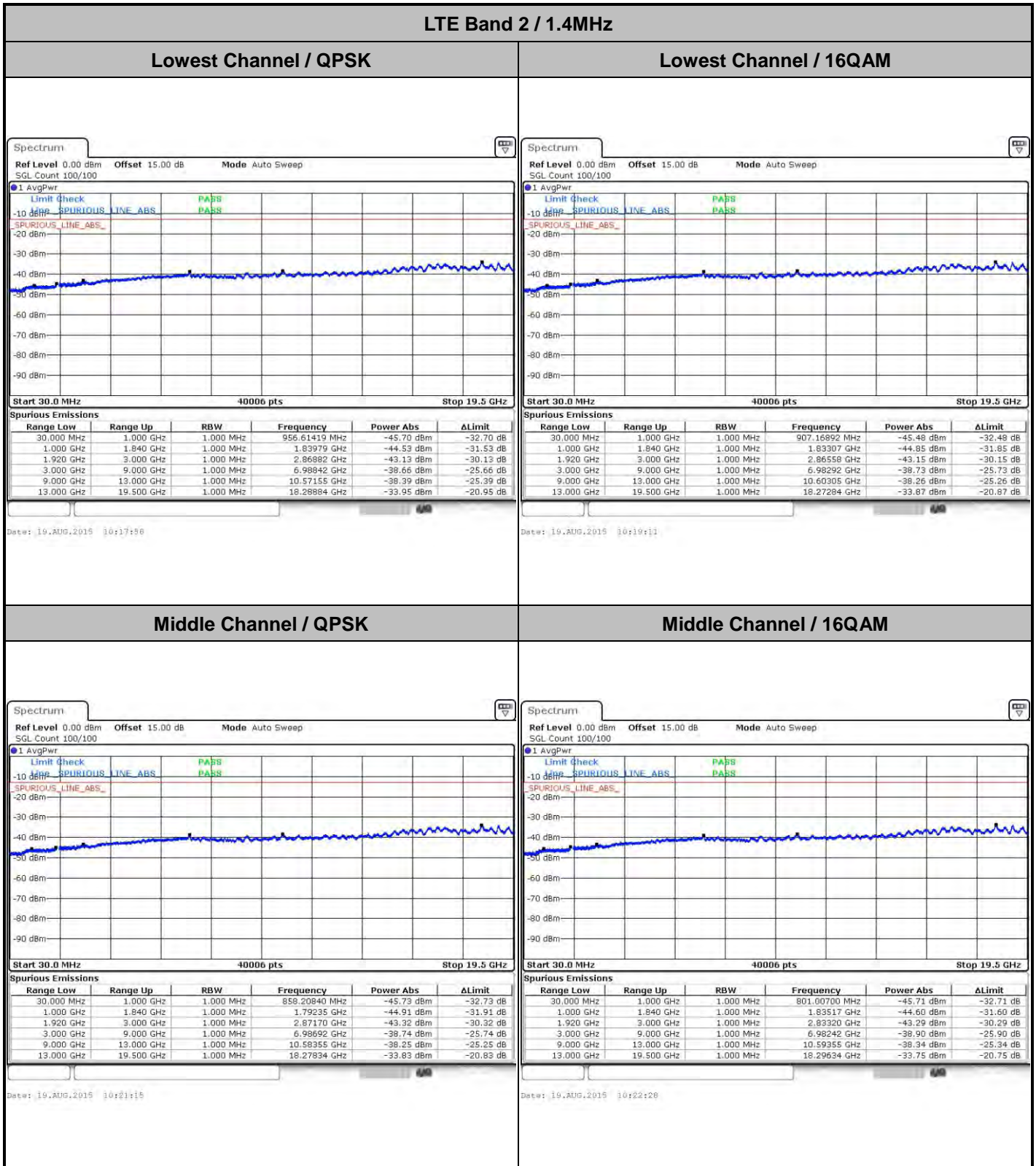




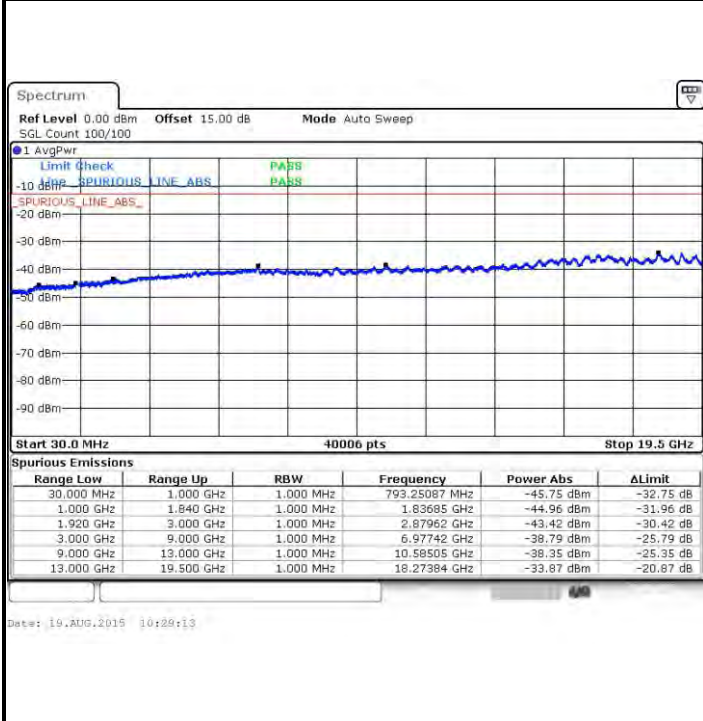
Conducted Spurious Emission



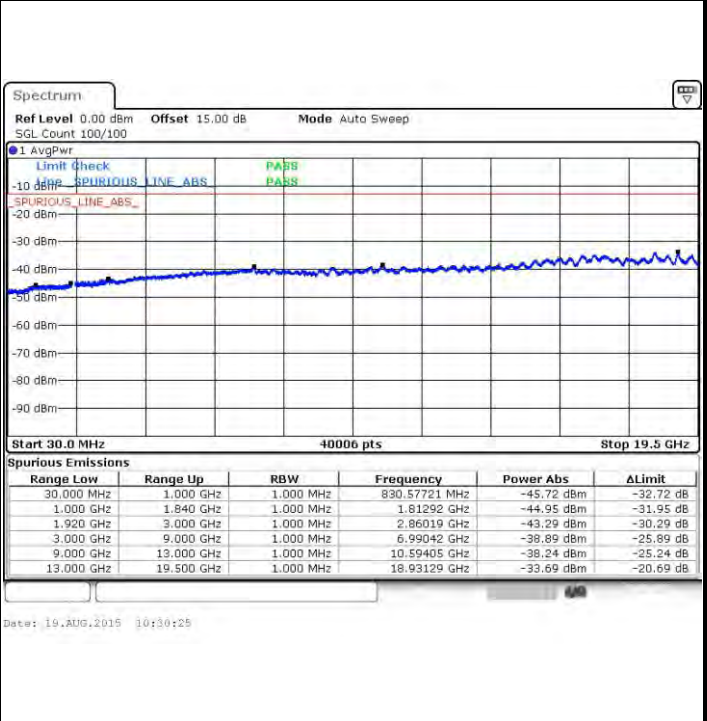


LTE Band 2 / 1.4MHz

Highest Channel / QPSK

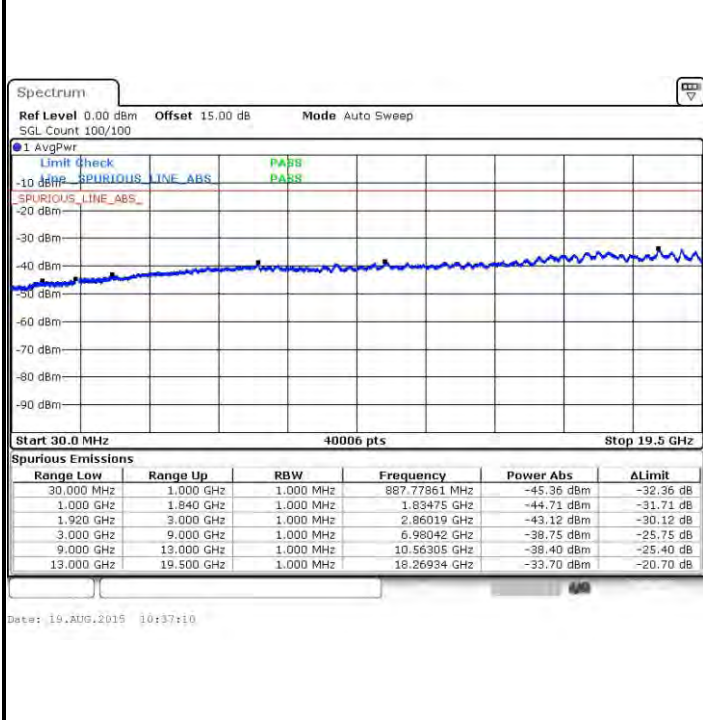


Highest Channel / 16QAM



LTE Band 2 / 3MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

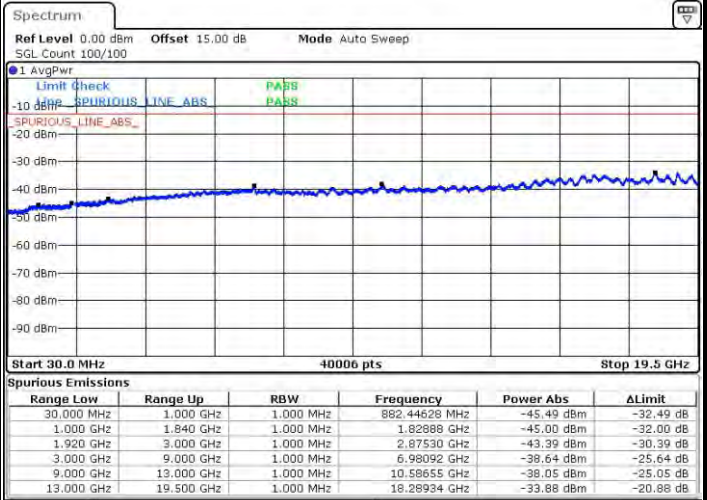
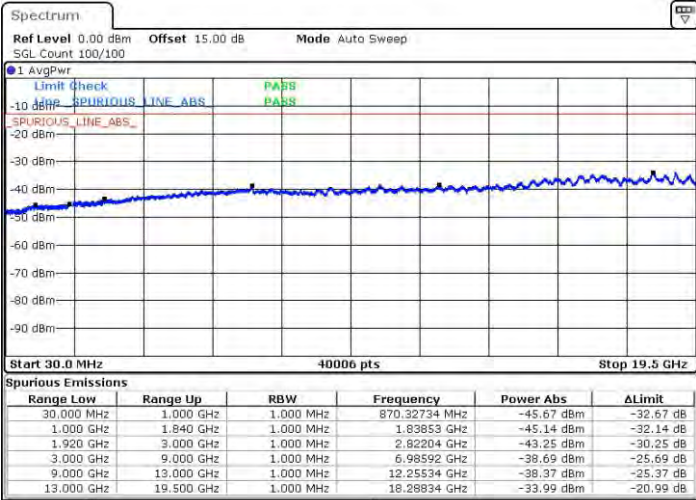




LTE Band 2 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

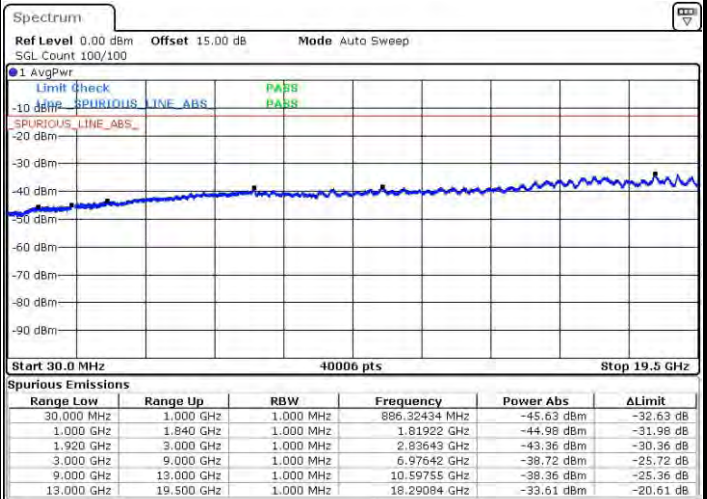
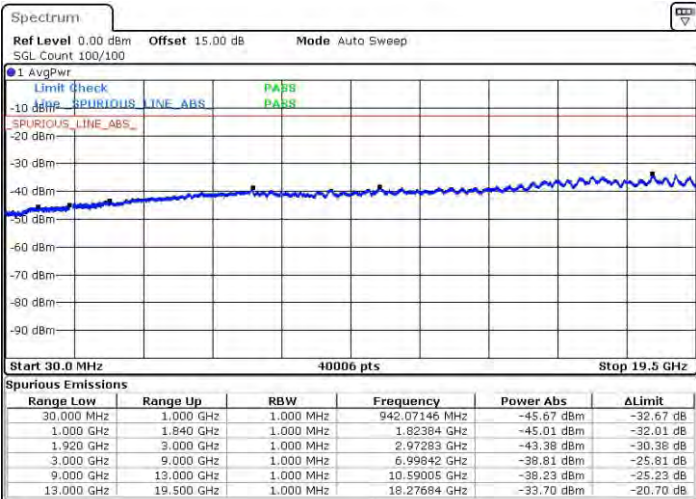


Date: 19.AUG.2015 10:40:24

Date: 19.AUG.2015 10:41:26

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19.AUG.2015 10:48:18

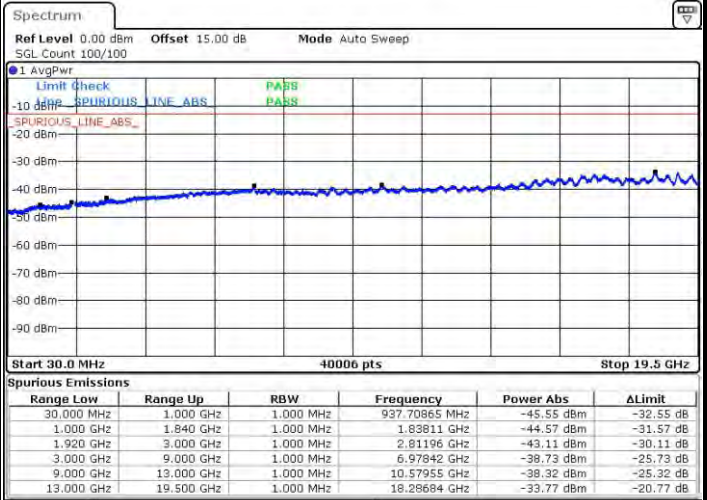
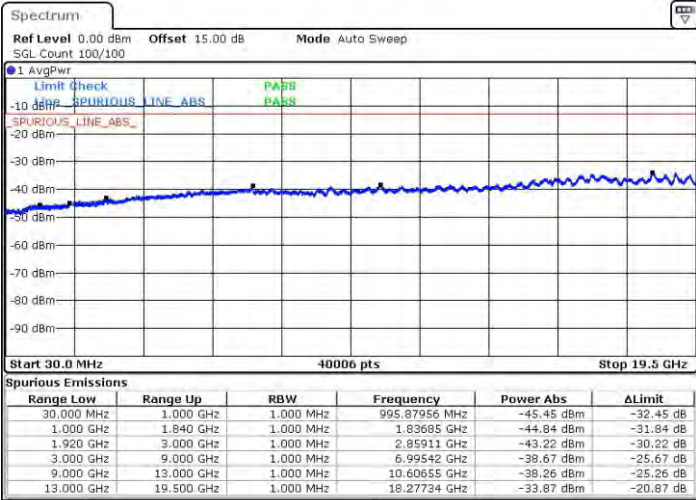
Date: 19.AUG.2015 10:49:31



LTE Band 2 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

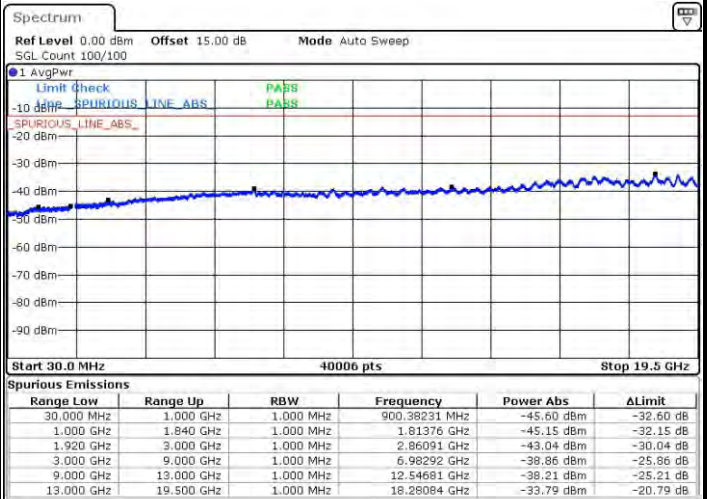
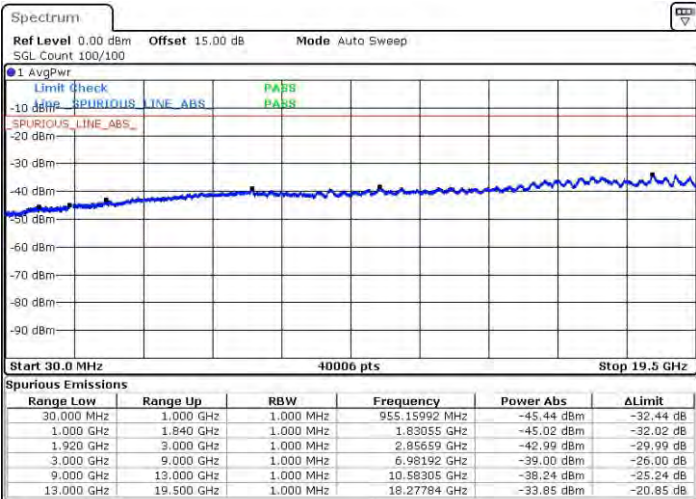


Date: 19.AUG.2015 10:56:14

Date: 19.AUG.2015 10:57:26

Middle Channel / QPSK

Middle Channel / 16QAM



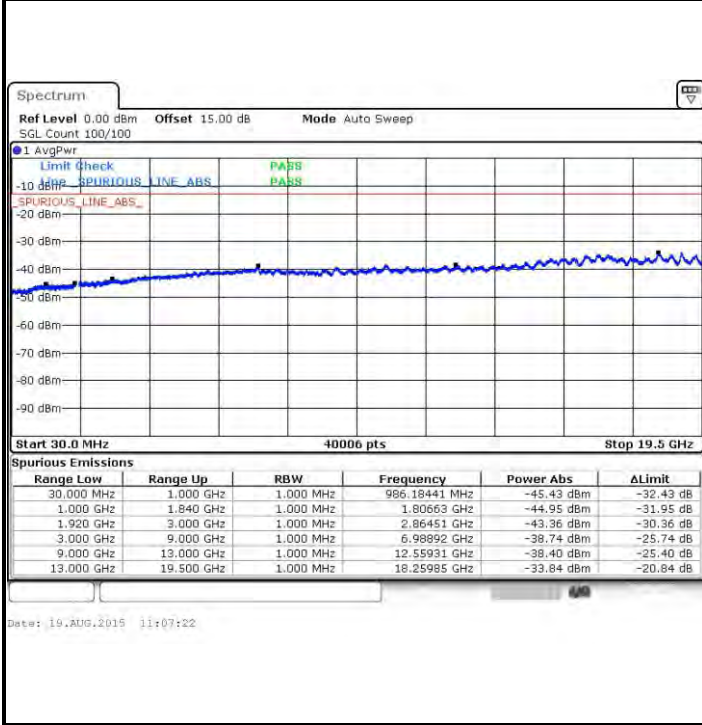
Date: 19.AUG.2015 10:59:27

Date: 19.AUG.2015 11:00:39

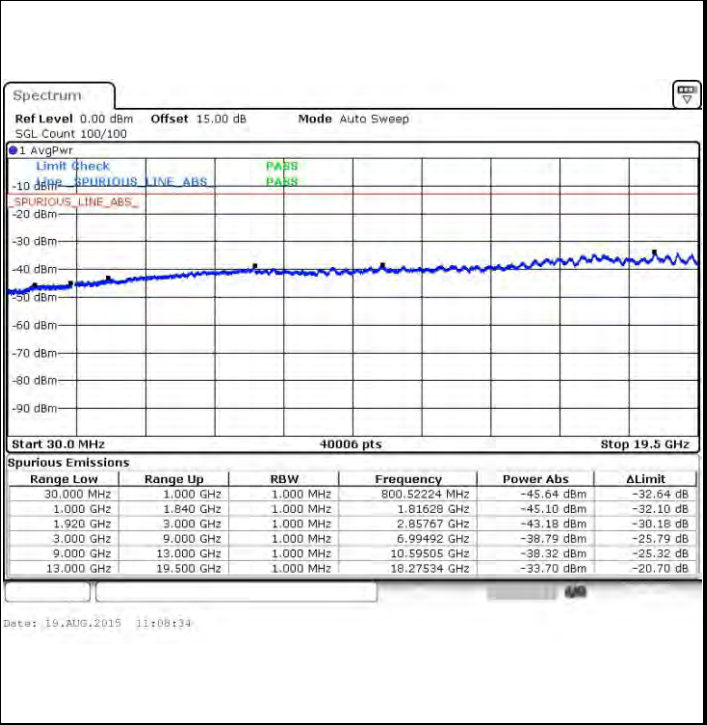


LTE Band 2 / 5MHz

Highest Channel / QPSK

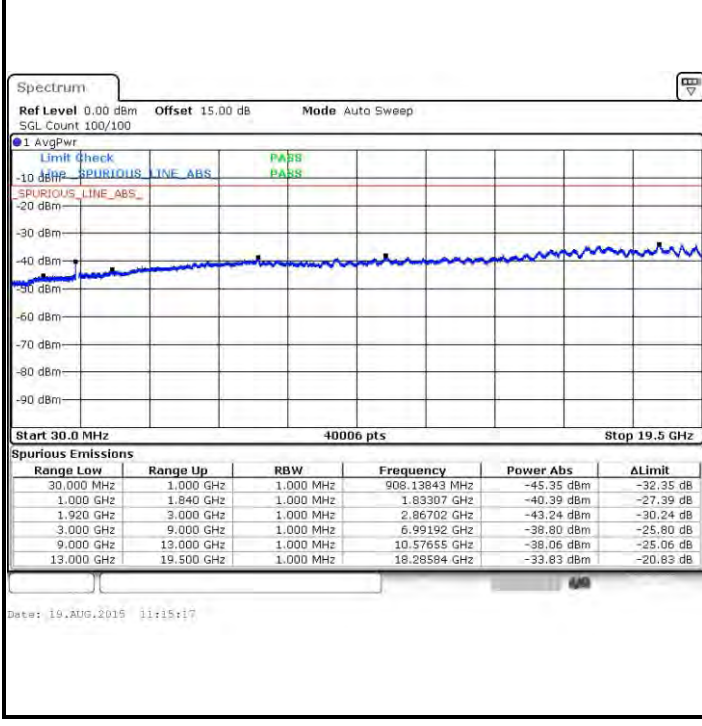


Highest Channel / 16QAM



LTE Band 2 / 10MHz

Lowest Channel / QPSK



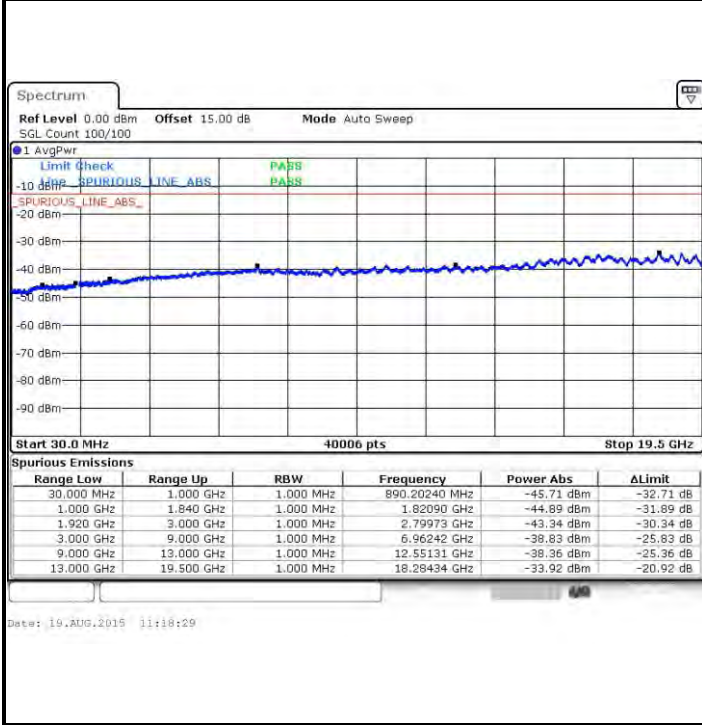
Lowest Channel / 16QAM



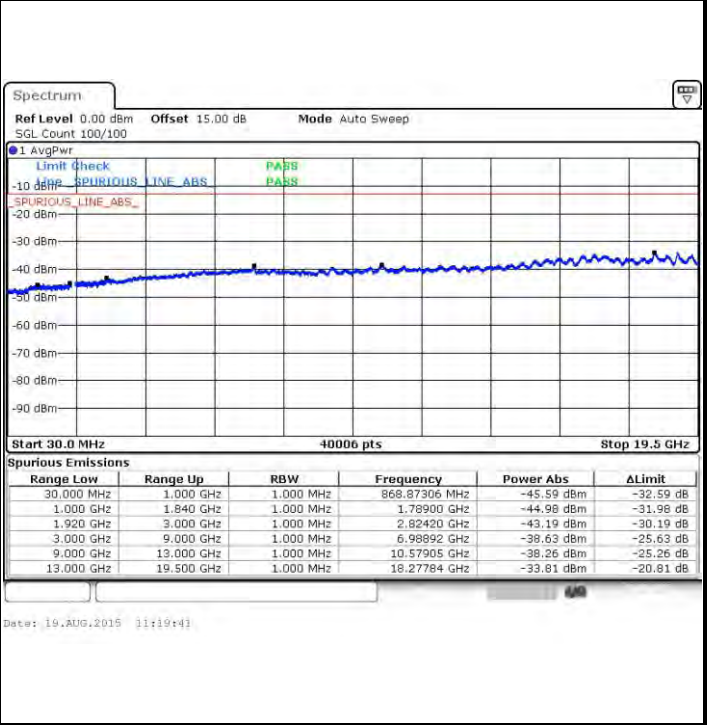


LTE Band 2 / 10MHz

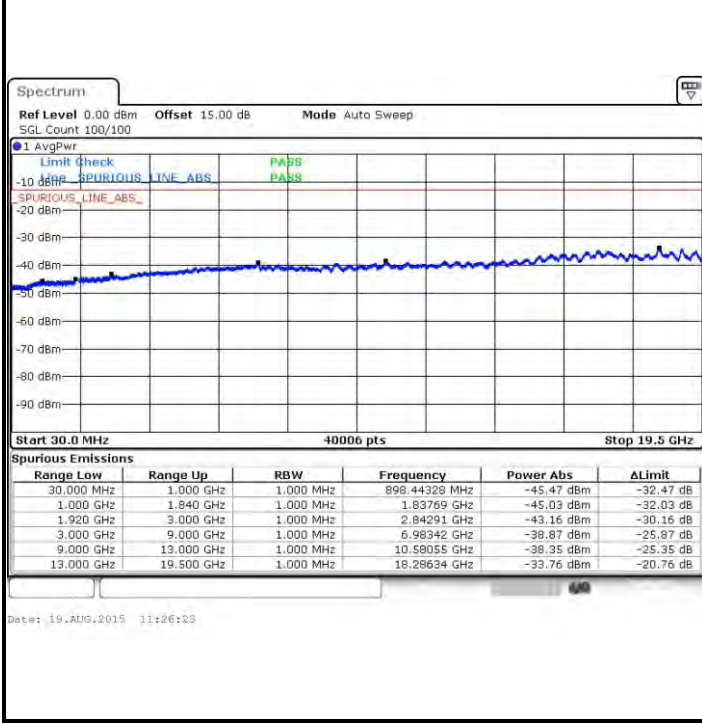
Middle Channel / QPSK



Middle Channel / 16QAM



Highest Channel / QPSK



Highest Channel / 16QAM

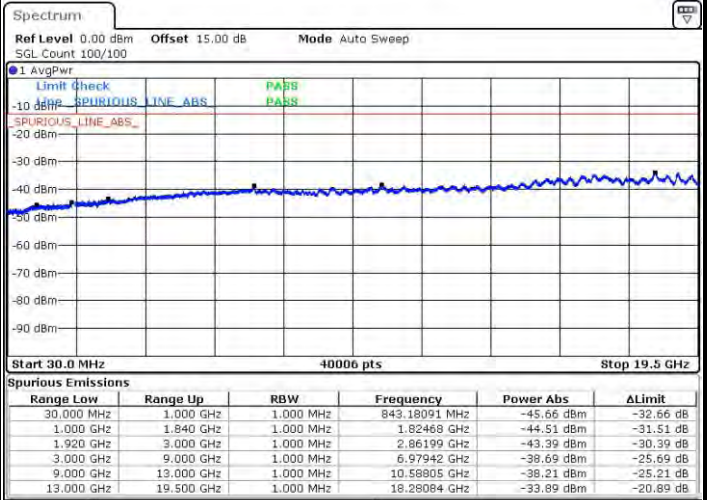
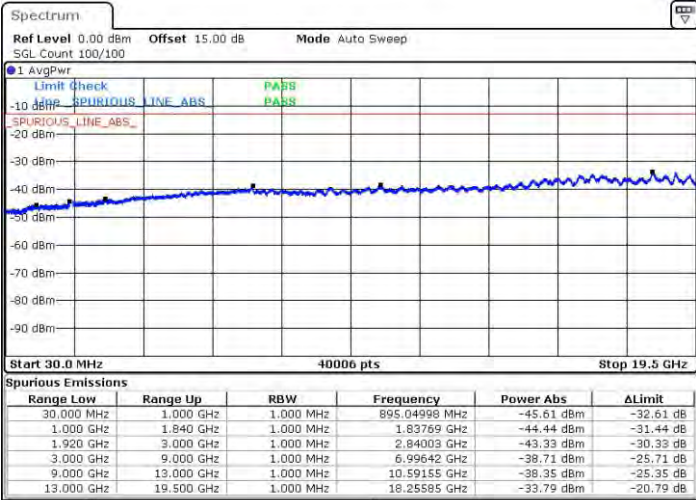




LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

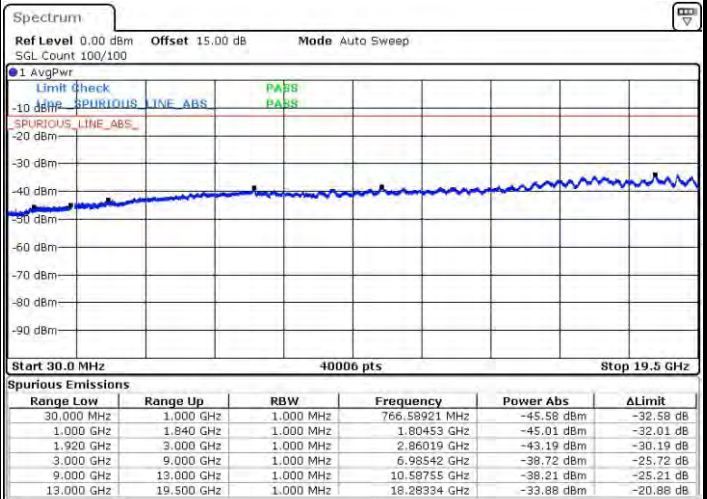
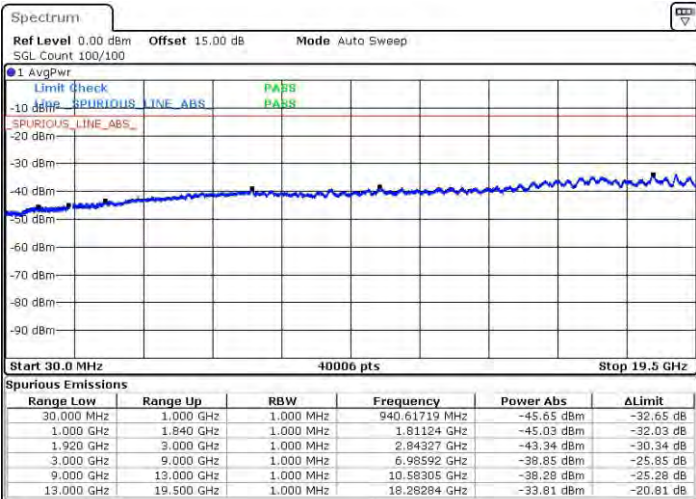


Date: 19.AUG.2015 11:34:19

Date: 19.AUG.2015 11:35:32

Middle Channel / QPSK

Middle Channel / 16QAM



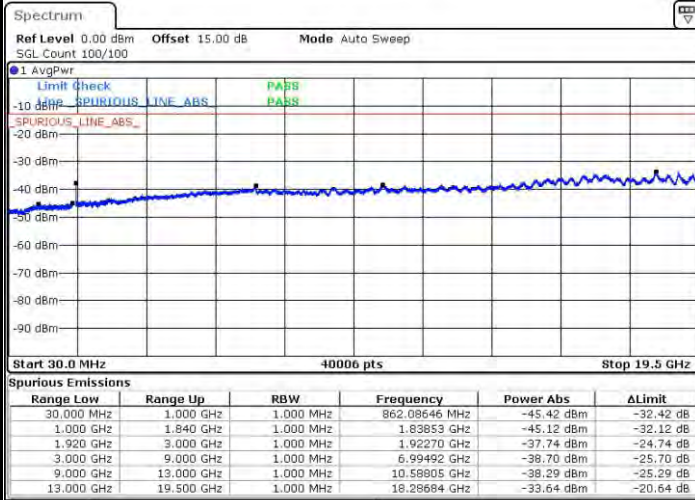
Date: 19.AUG.2015 11:37:32

Date: 19.AUG.2015 11:38:45



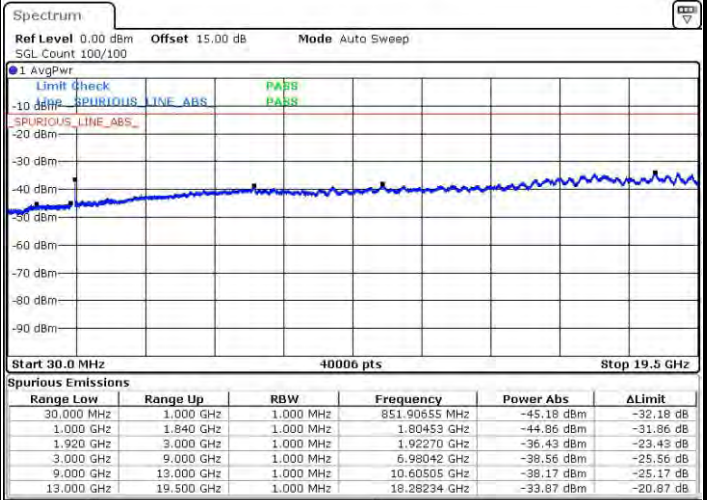
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 19.AUG.2015 11:45:26

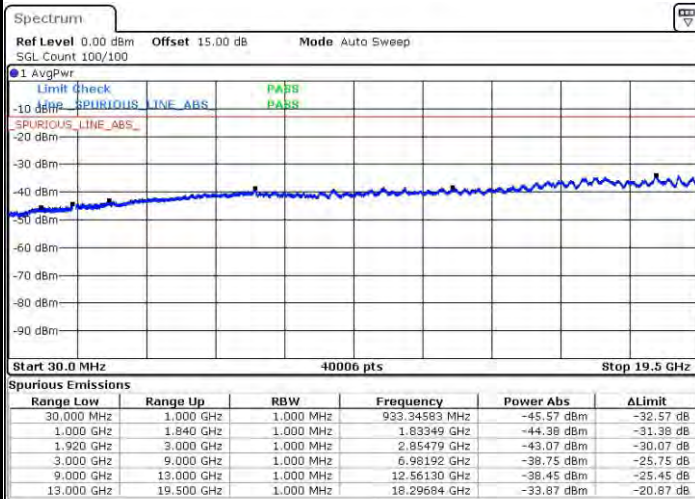
Highest Channel / 16QAM



Date: 19.AUG.2015 11:46:39

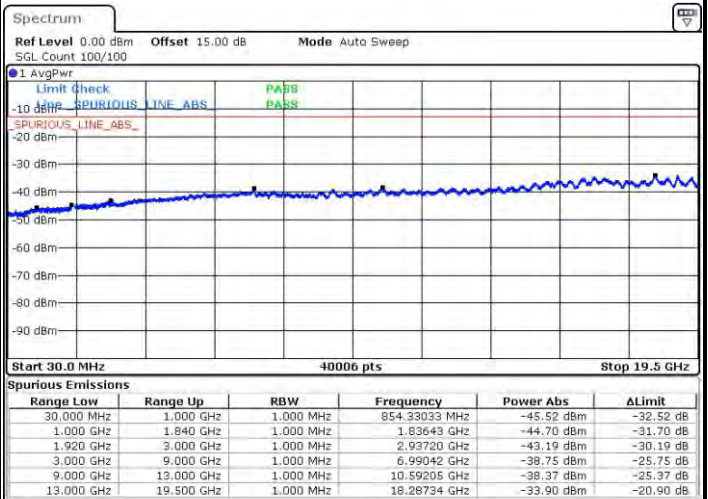
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 19.AUG.2015 11:53:20

Lowest Channel / 16QAM



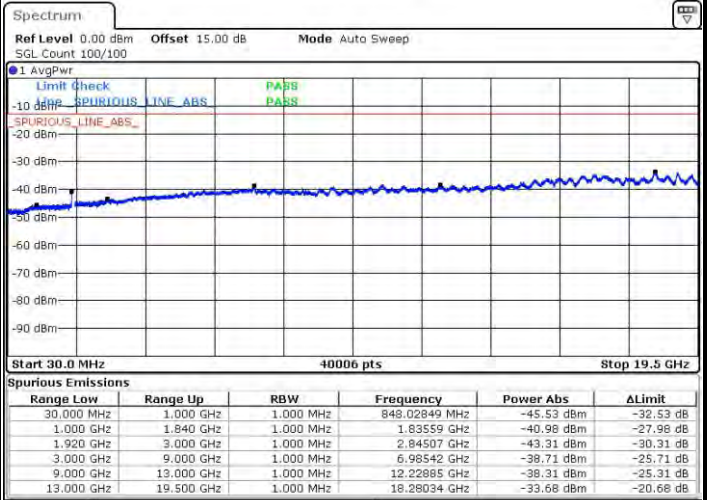
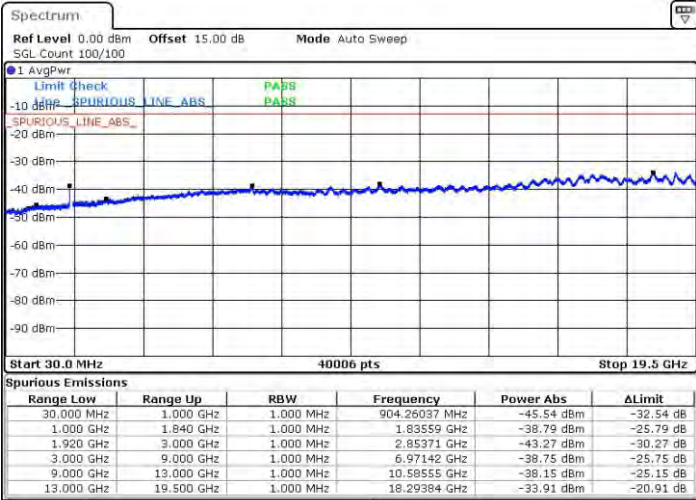
Date: 19.AUG.2015 11:54:33



LTE Band 2 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

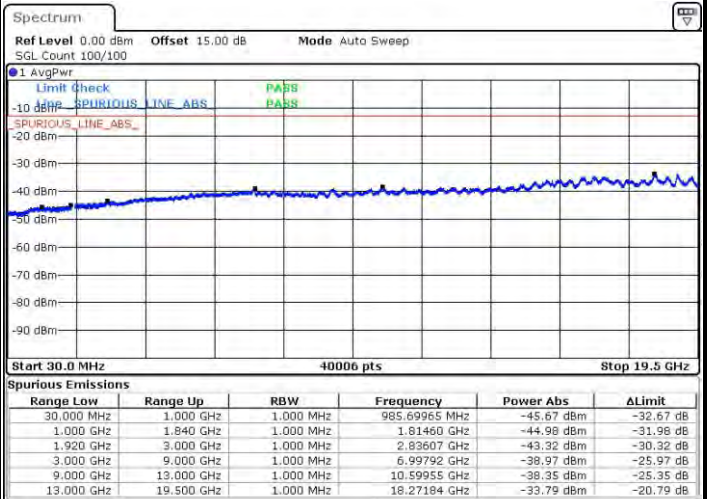
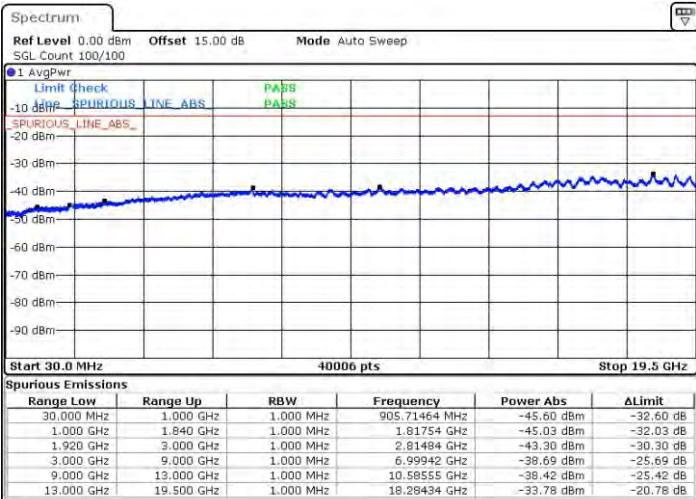


Date: 19.AUG.2015 11:56:33

Date: 19.AUG.2015 11:57:46

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19.AUG.2015 12:04:27

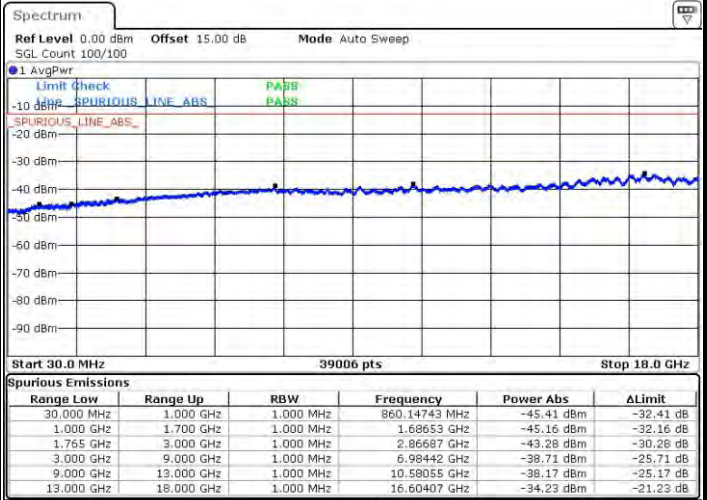
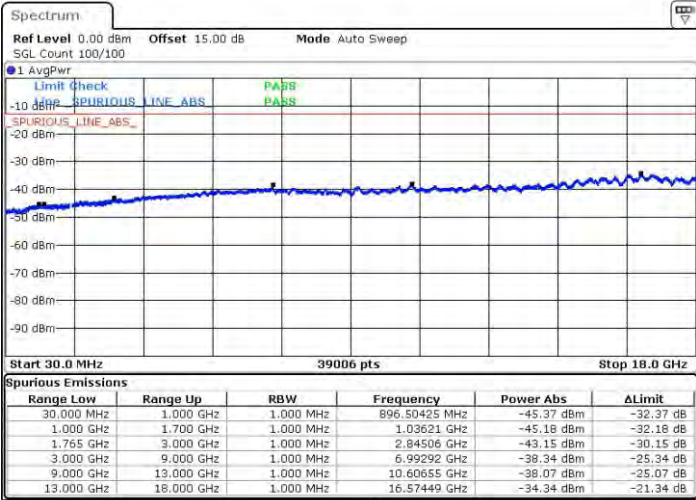
Date: 19.AUG.2015 12:05:46



LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

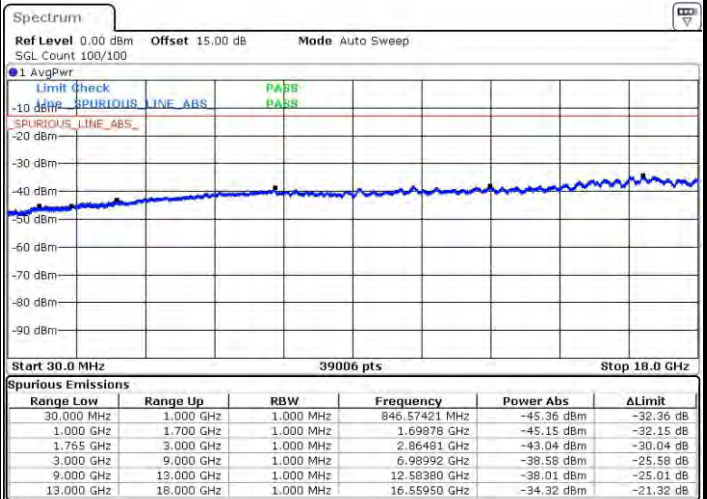
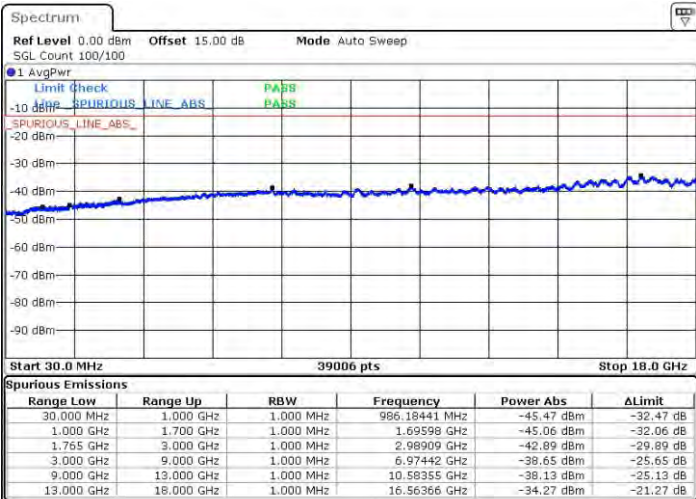


Date: 14.AUG.2015 22:14:58

Date: 14.AUG.2015 22:16:10

Middle Channel / QPSK

Middle Channel / 16QAM



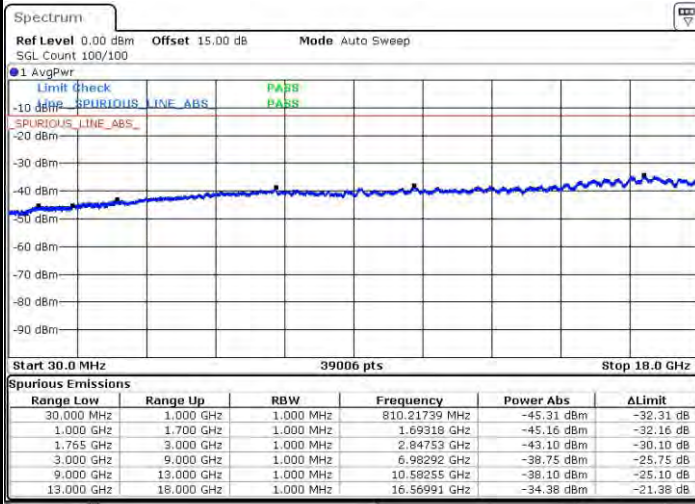
Date: 14.AUG.2015 22:18:10

Date: 14.AUG.2015 22:19:22



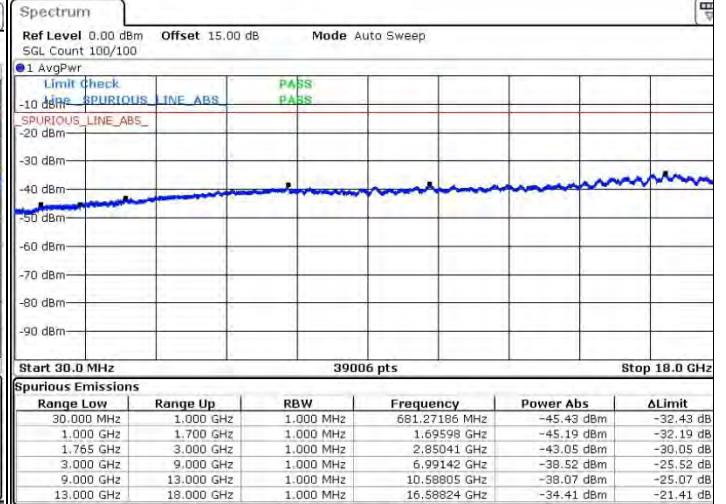
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 14.AUG.2015 22:26:11

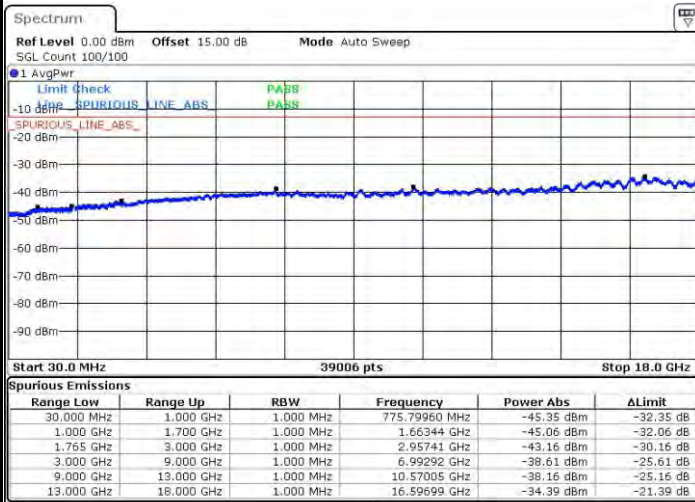
Highest Channel / 16QAM



Date: 14.AUG.2015 22:27:24

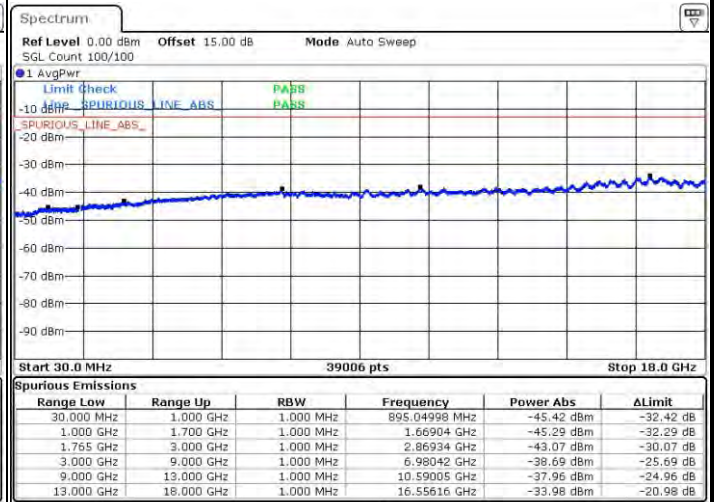
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 14.AUG.2015 22:34:34

Lowest Channel / 16QAM

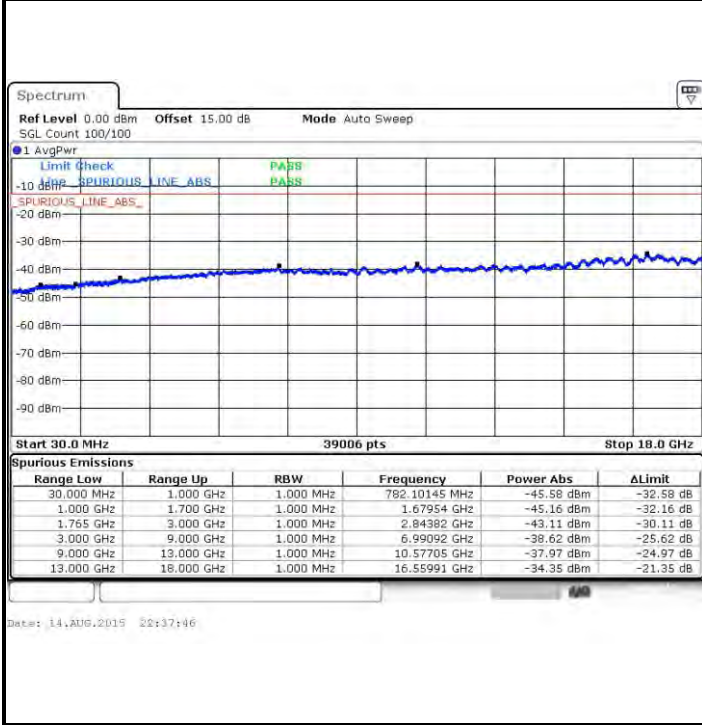


Date: 14.AUG.2015 22:35:45



LTE Band 4 / 3MHz

Middle Channel / QPSK



Middle Channel / 16QAM



Highest Channel / QPSK



Highest Channel / 16QAM

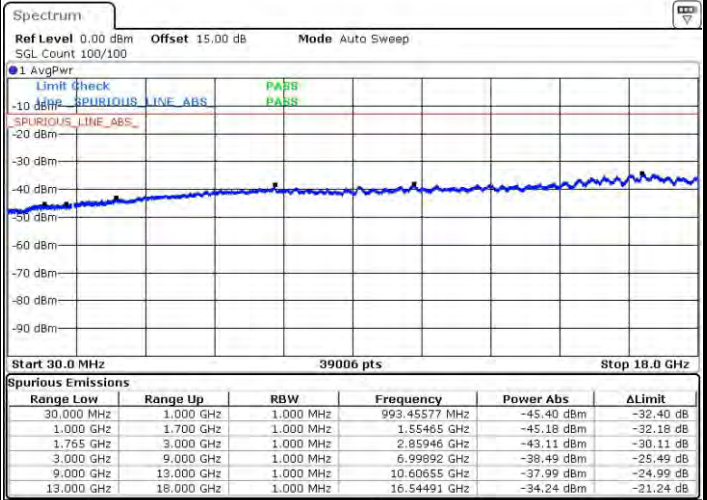
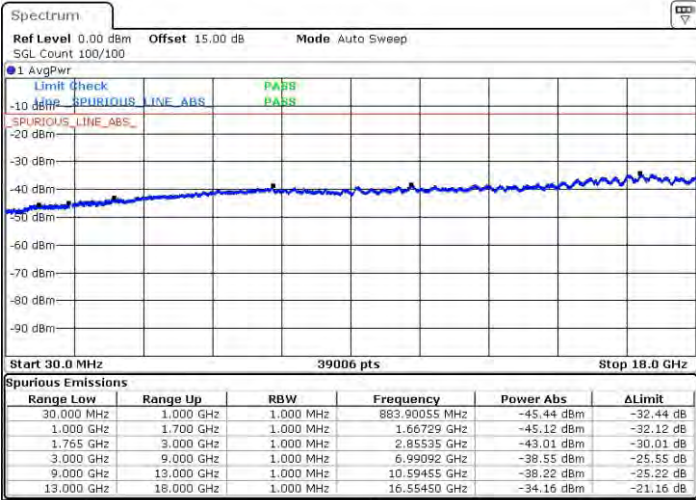




LTE Band 4 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

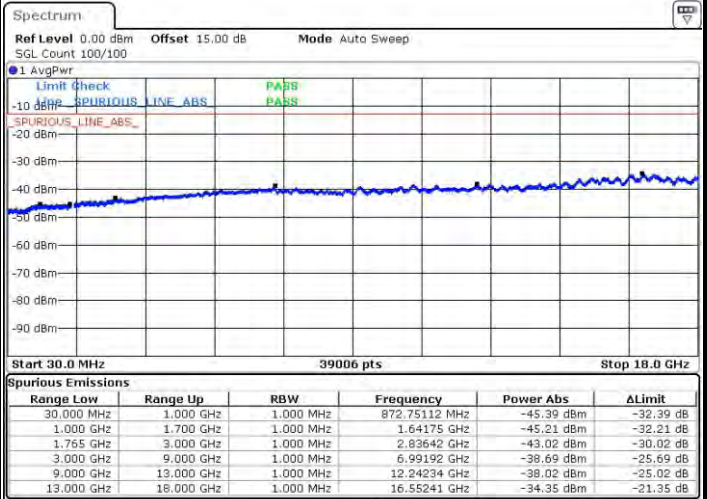
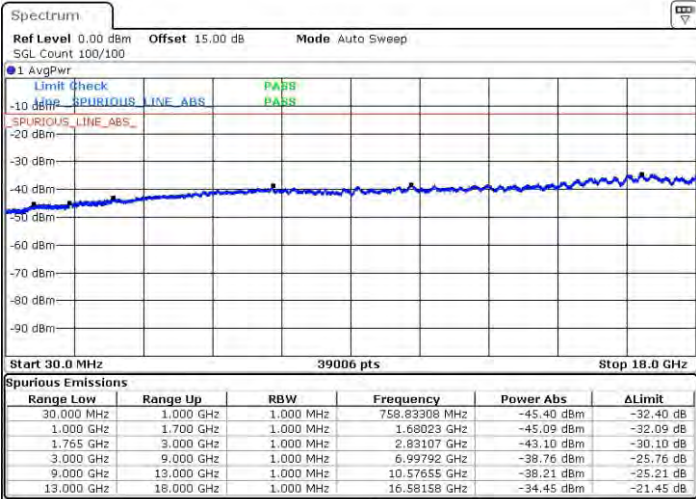


Date: 14.AUG.2015 22:53:34

Date: 14.AUG.2015 22:54:46

Middle Channel / QPSK

Middle Channel / 16QAM



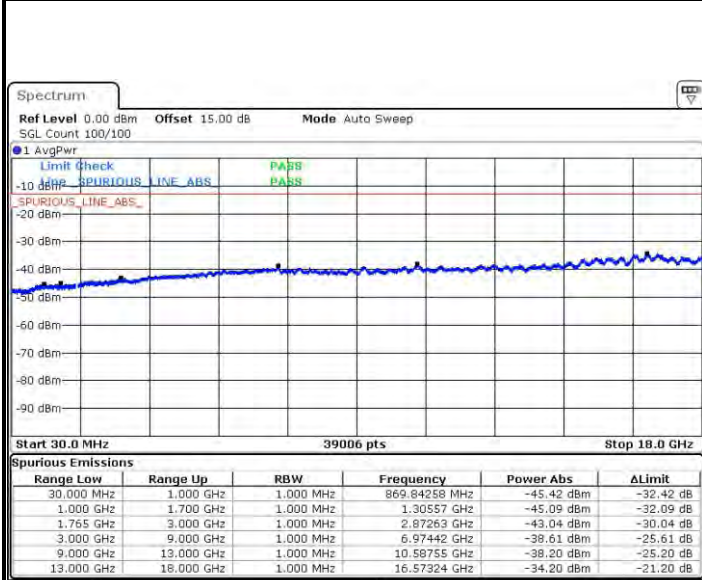
Date: 14.AUG.2015 22:56:46

Date: 14.AUG.2015 22:57:56



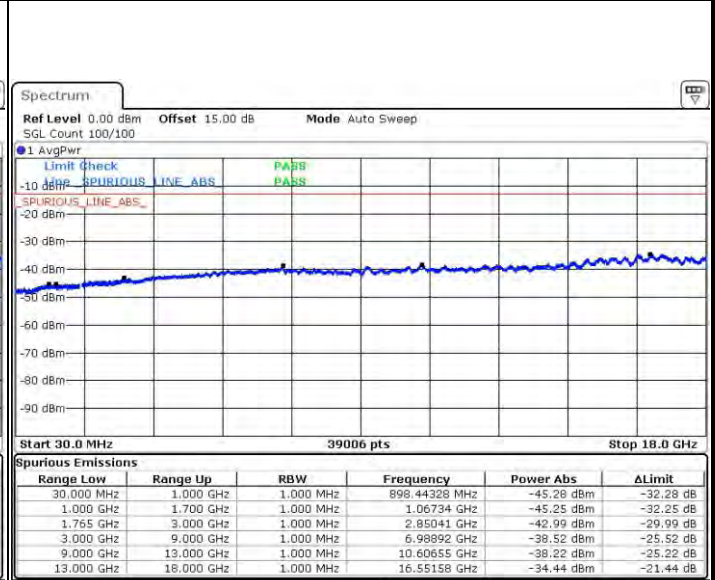
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 14.AUG.2015 20:04:43

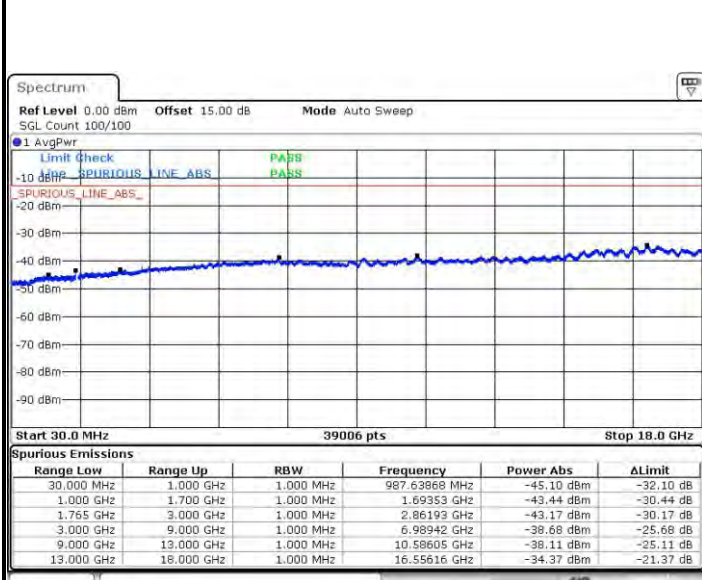
Highest Channel / 16QAM



Date: 14.AUG.2015 20:05:53

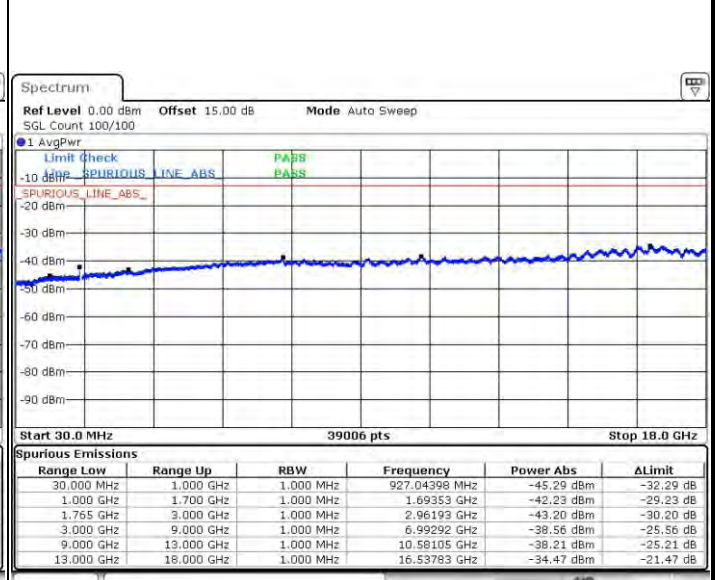
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 14.AUG.2015 20:12:35

Lowest Channel / 16QAM



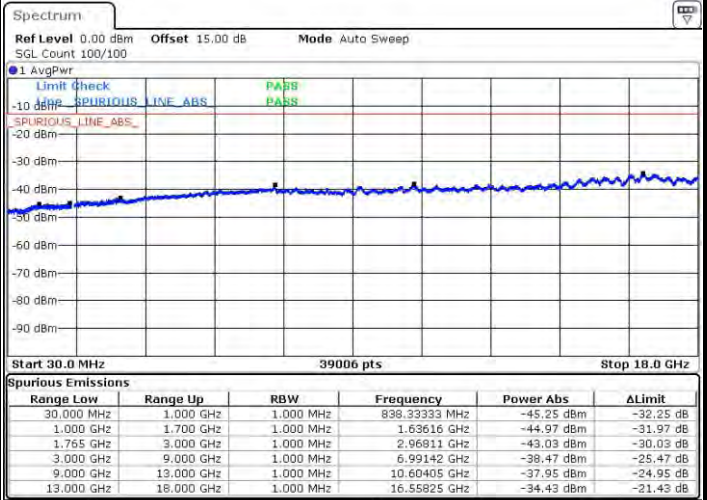
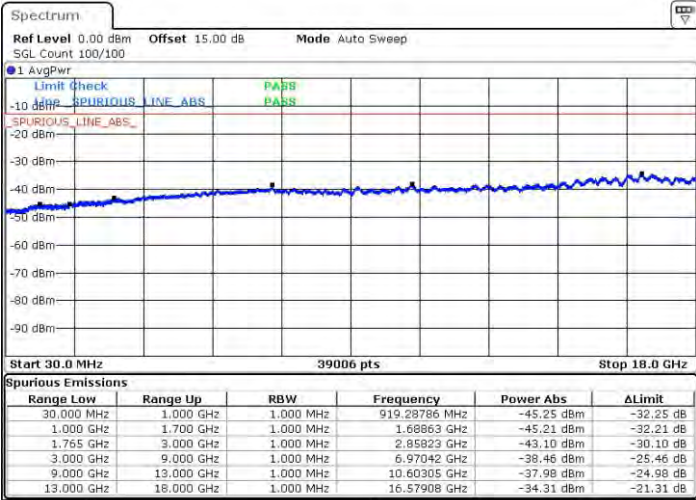
Date: 14.AUG.2015 20:13:47



LTE Band 4 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

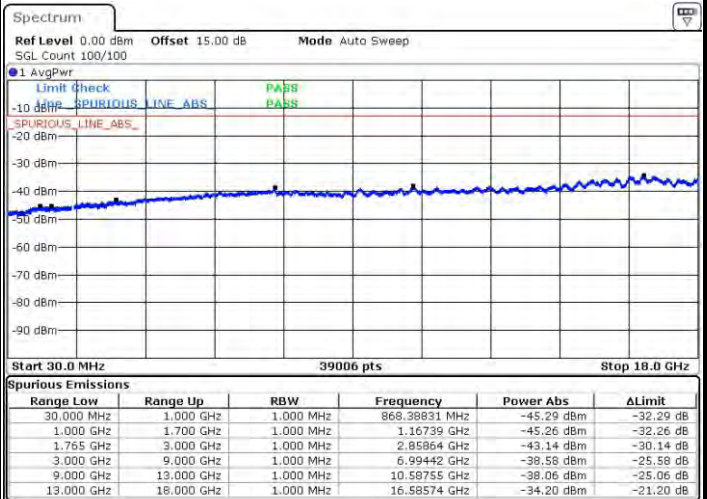
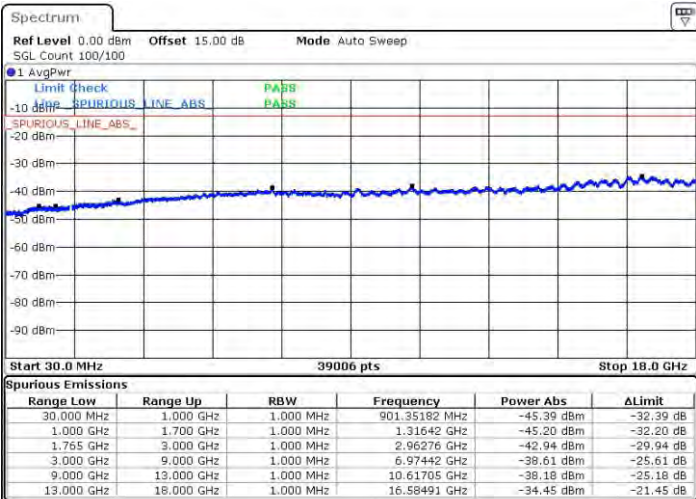


Date: 14.AUG.2015 20:15:47

Date: 14.AUG.2015 20:16:59

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.AUG.2015 20:23:41

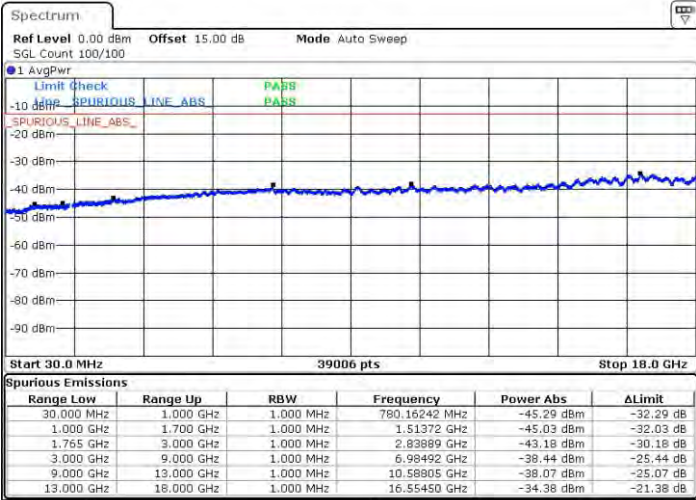
Date: 14.AUG.2015 20:24:33



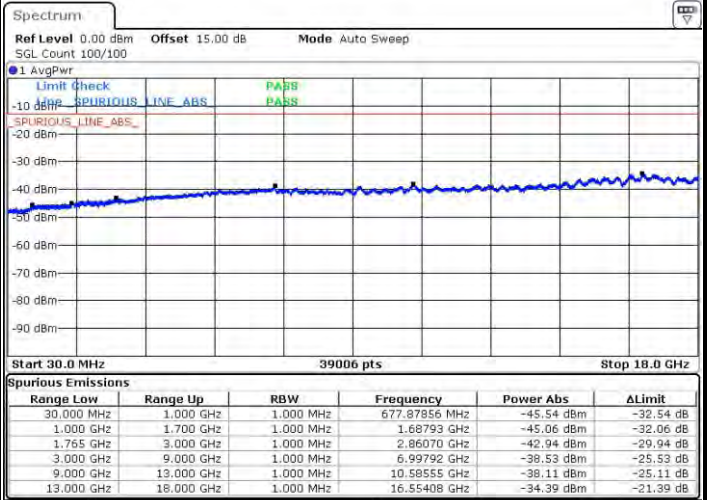
LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



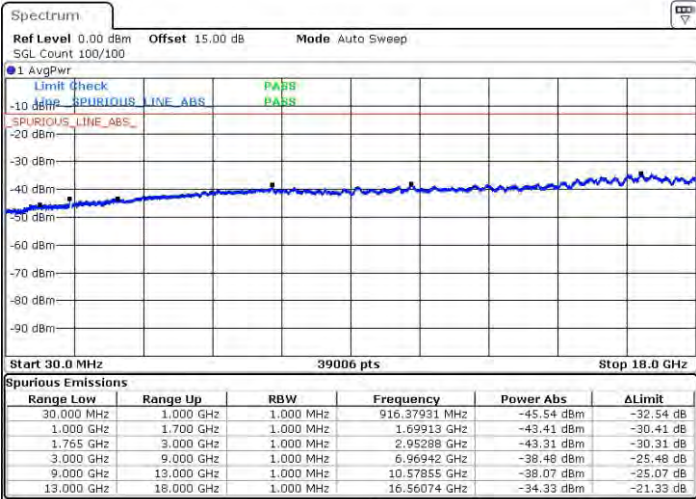
Date: 14.AUG.2015 20:31:35



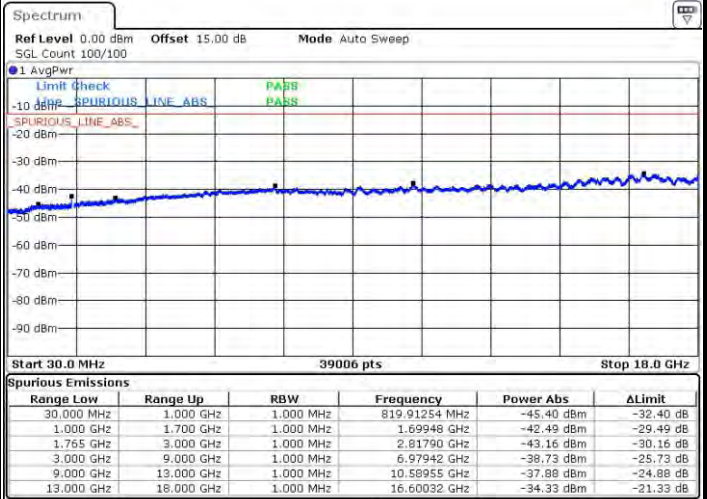
Date: 14.AUG.2015 20:32:47

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 14.AUG.2015 20:34:47

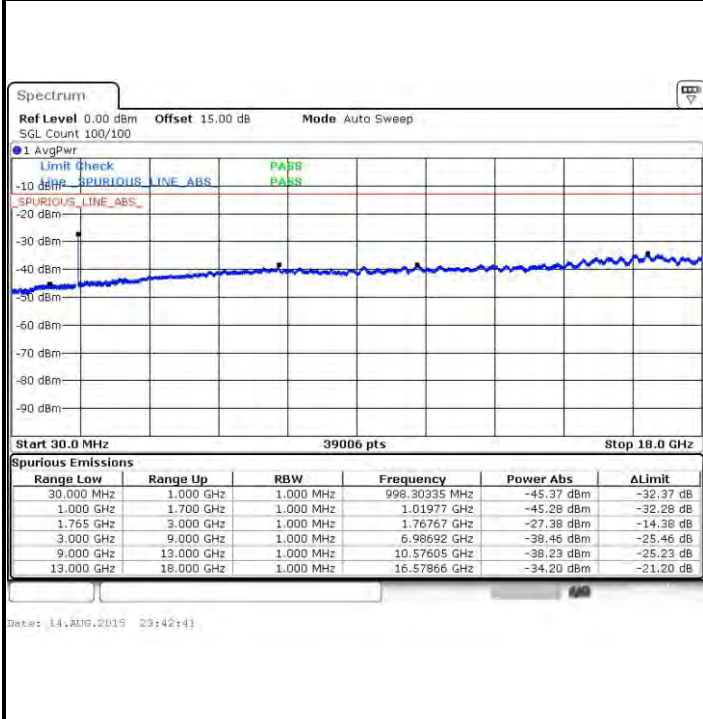


Date: 14.AUG.2015 20:35:39



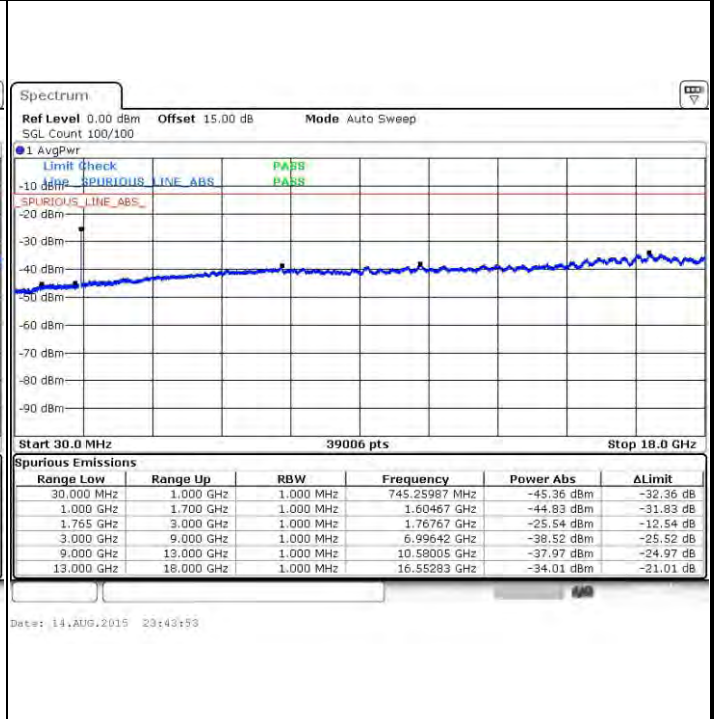
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 14.AUG.2015 23:42:43

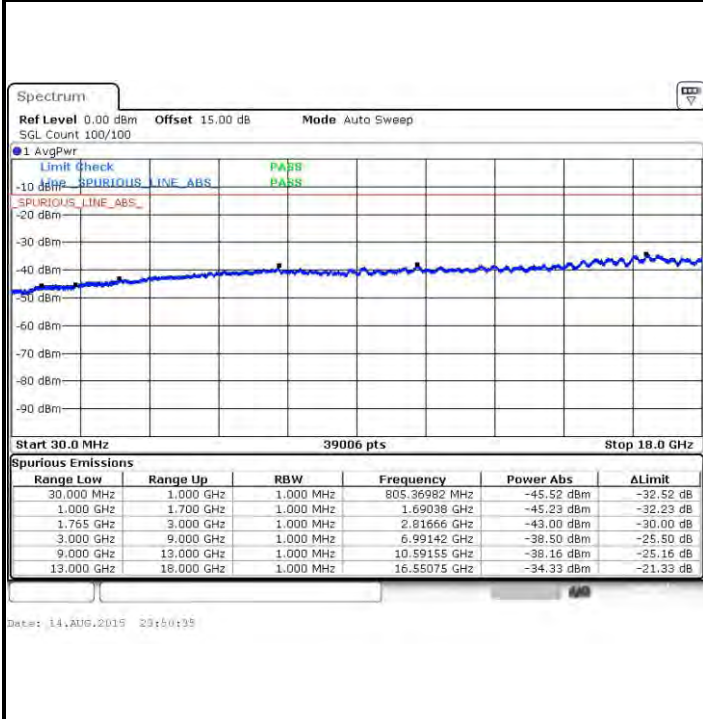
Highest Channel / 16QAM



Date: 14.AUG.2015 23:43:53

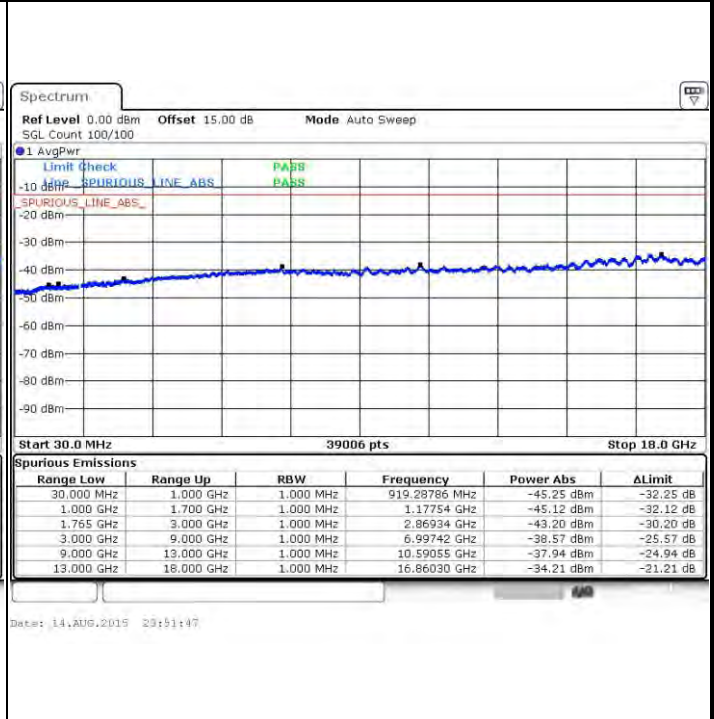
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 14.AUG.2015 23:50:35

Lowest Channel / 16QAM



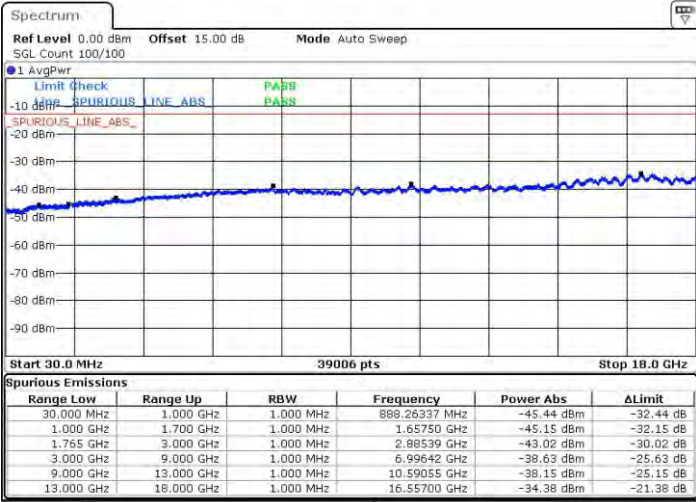
Date: 14.AUG.2015 23:51:47



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

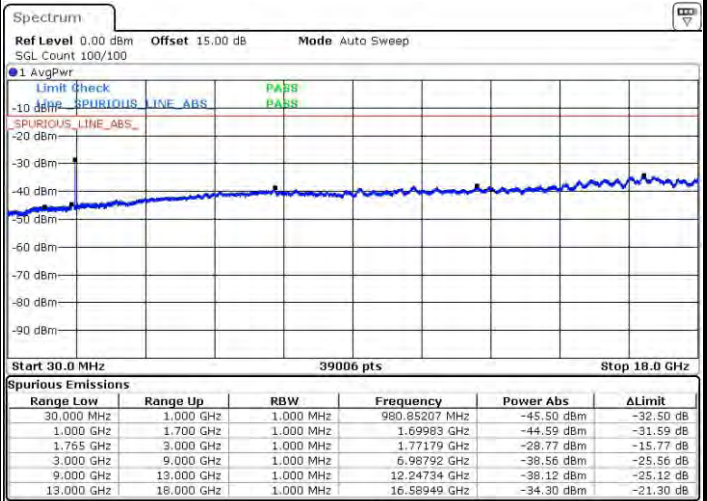
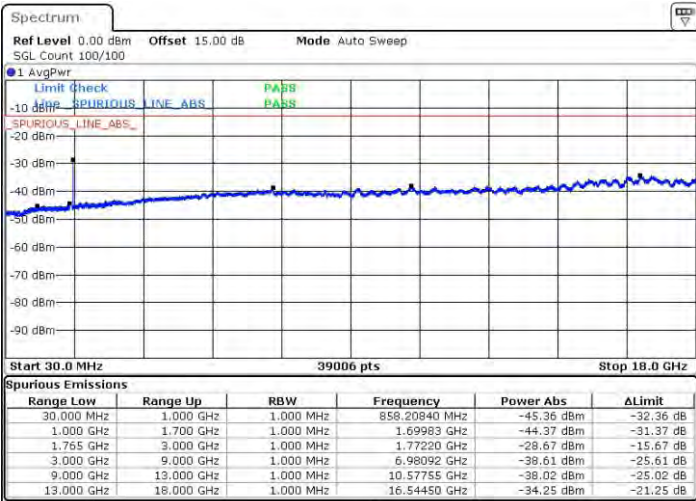


Date: 14.AUG.2015 23:53:47

Date: 14.AUG.2015 23:54:59

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15.AUG.2015 00:01:41

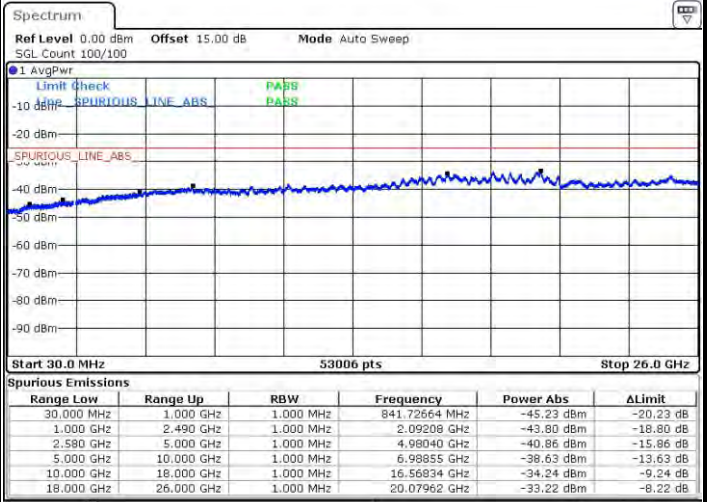
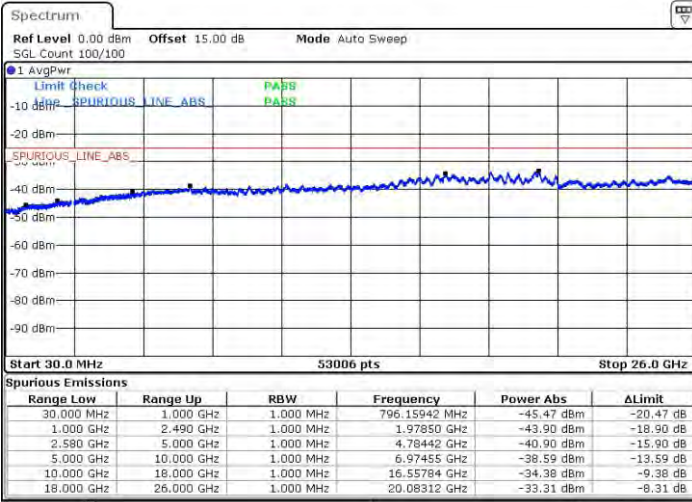
Date: 15.AUG.2015 00:02:53



LTE Band 7 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

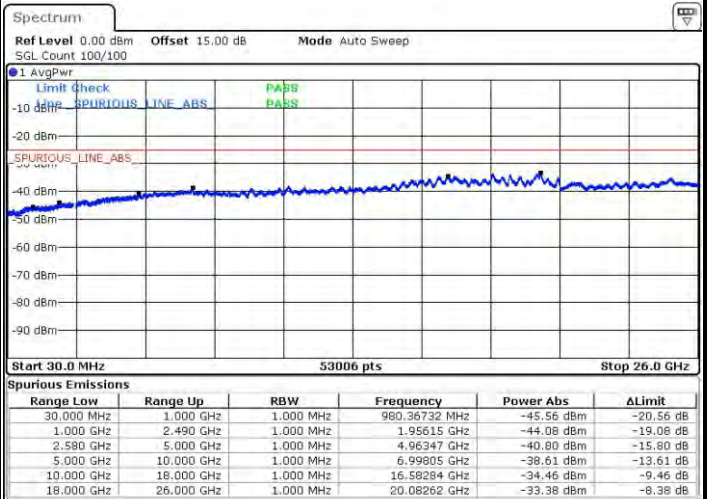
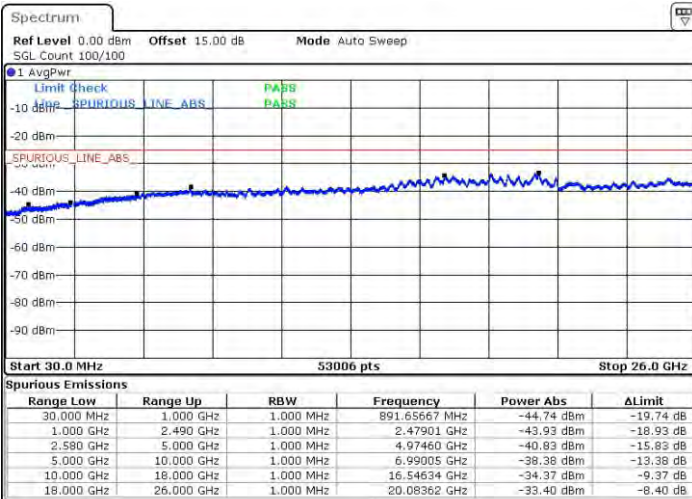


Date: 14.AUG.2015 19:21:18

Date: 14.AUG.2015 19:22:29

Middle Channel / QPSK

Middle Channel / 16QAM



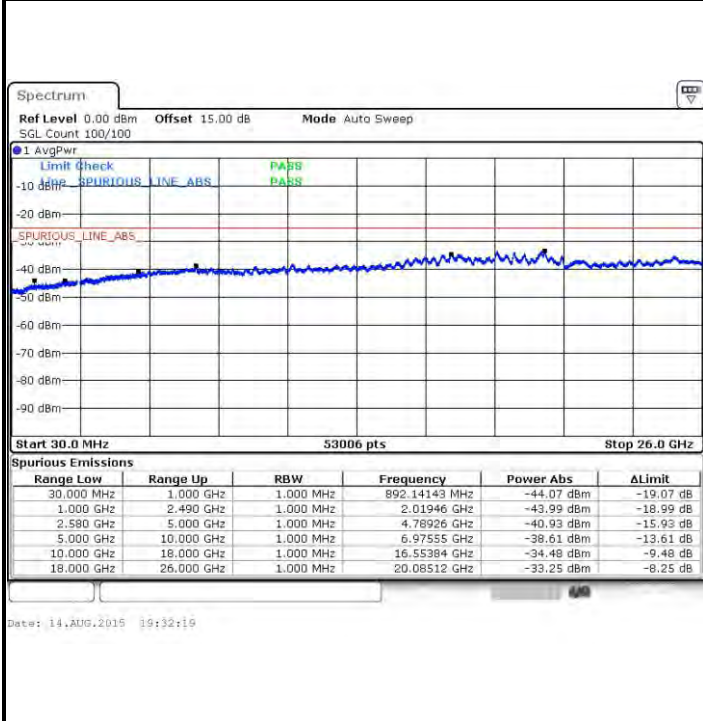
Date: 14.AUG.2015 19:24:27

Date: 14.AUG.2015 19:25:37

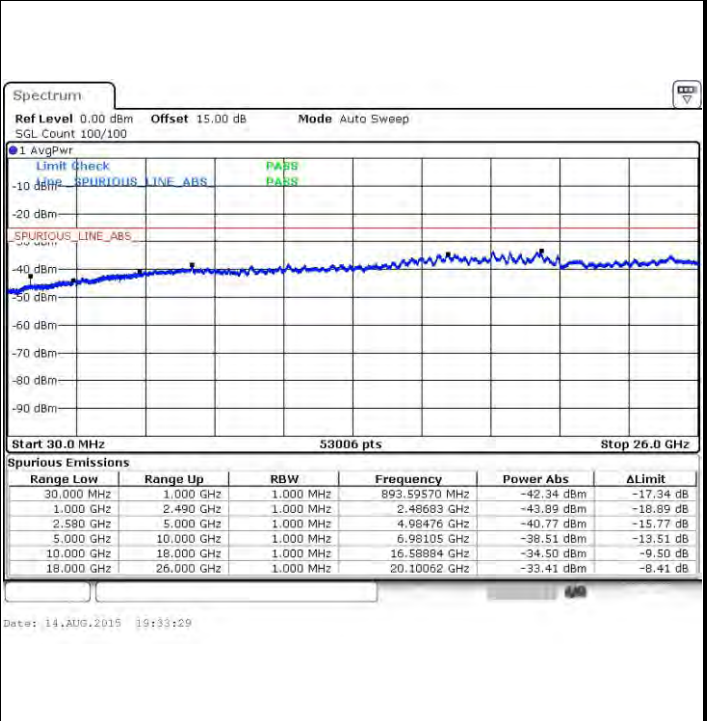


LTE Band 7 / 5MHz

Highest Channel / QPSK

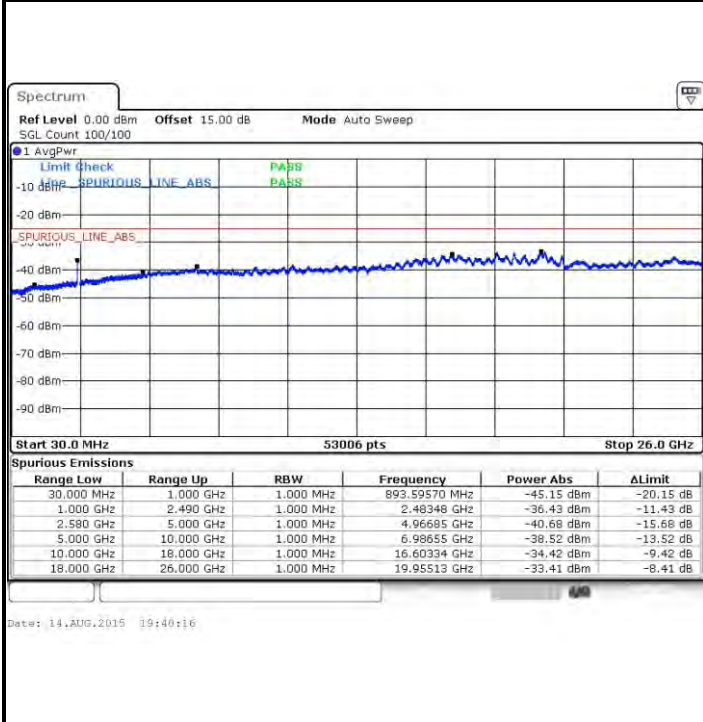


Highest Channel / 16QAM



LTE Band 7 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

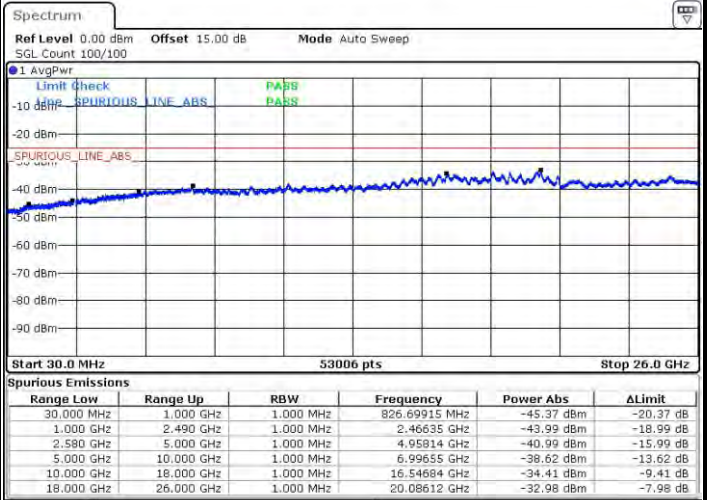
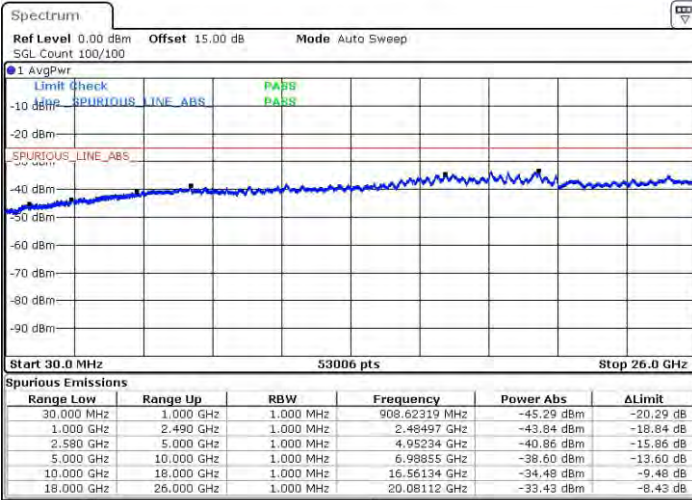




LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

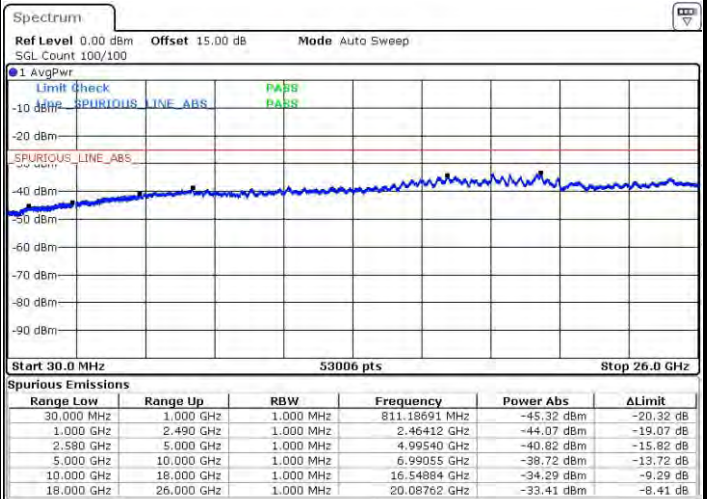
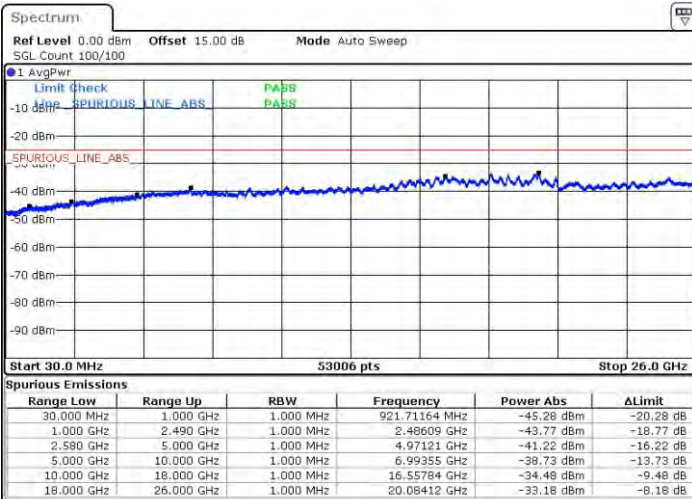


Date: 14.AUG.2015 19:43:25

Date: 14.AUG.2015 19:44:35

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.AUG.2015 19:51:17

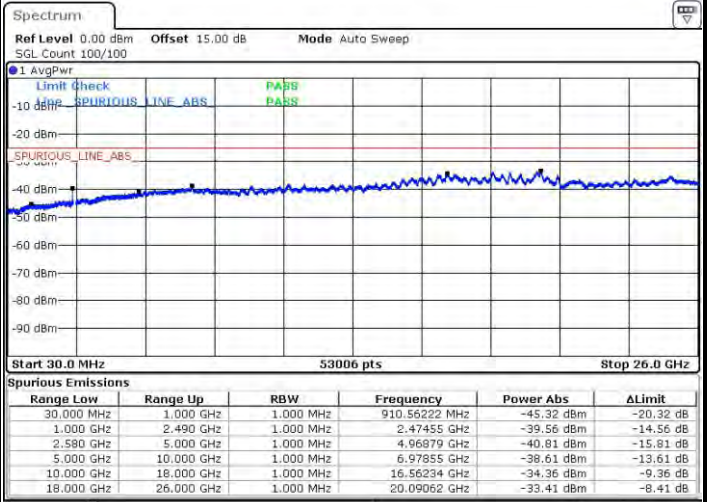
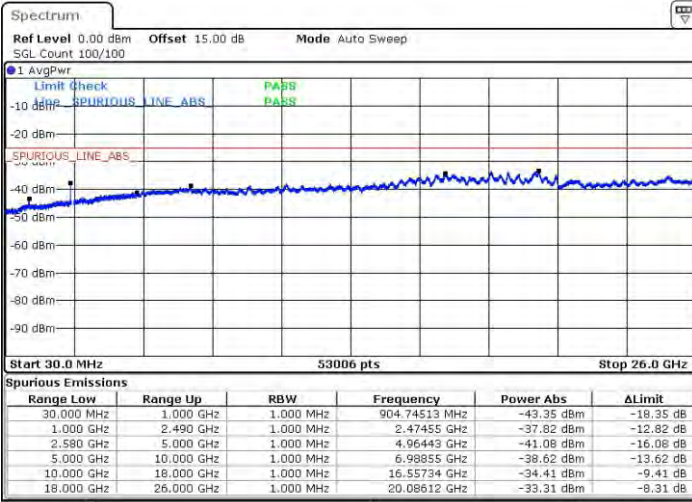
Date: 14.AUG.2015 19:52:27



LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

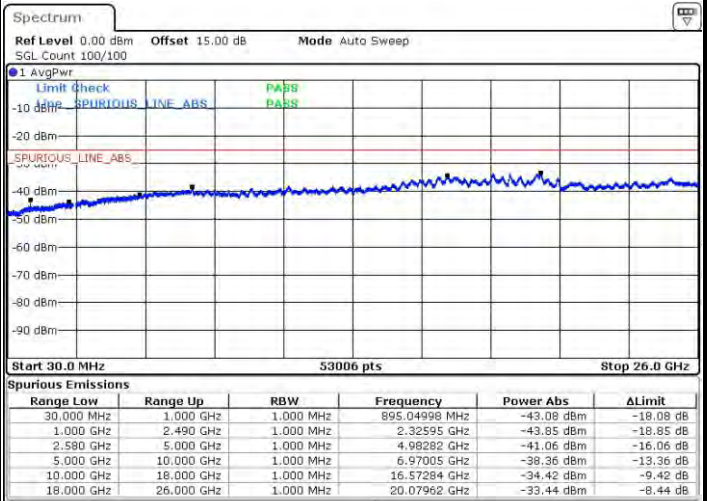
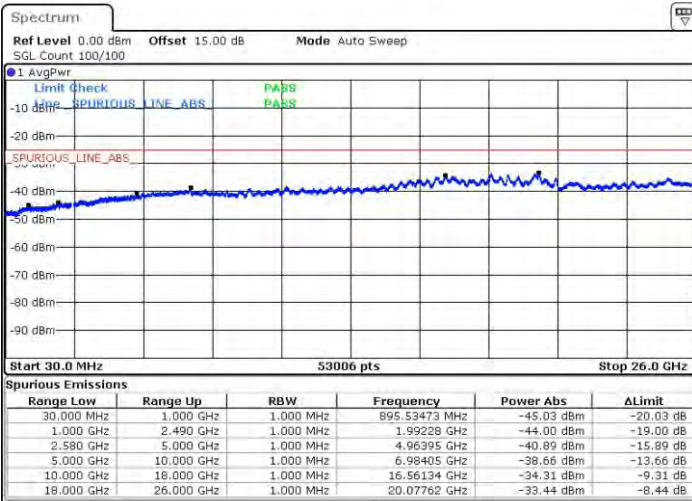


Date: 14.AUG.2015 19:59:14

Date: 14.AUG.2015 20:00:24

Middle Channel / QPSK

Middle Channel / 16QAM



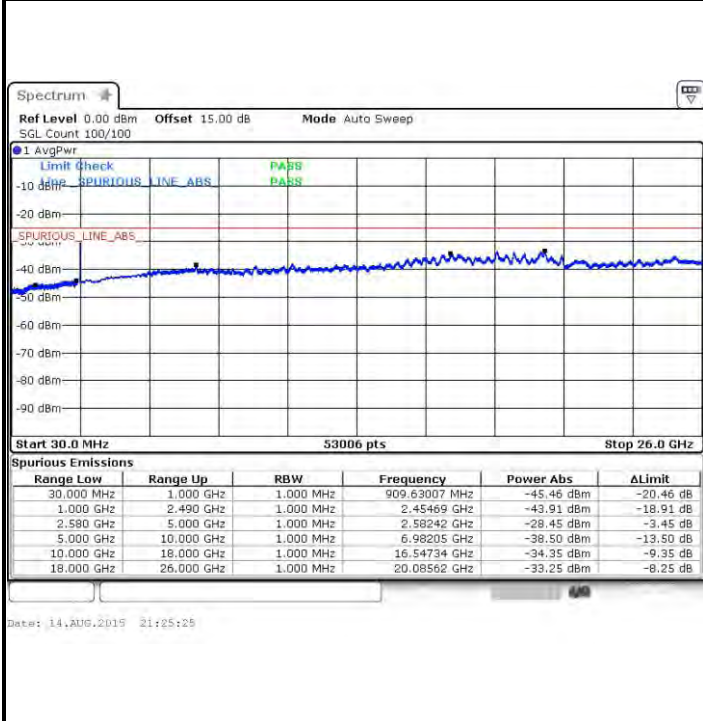
Date: 14.AUG.2015 20:02:22

Date: 14.AUG.2015 20:03:33



LTE Band 7 / 15MHz

Highest Channel / QPSK

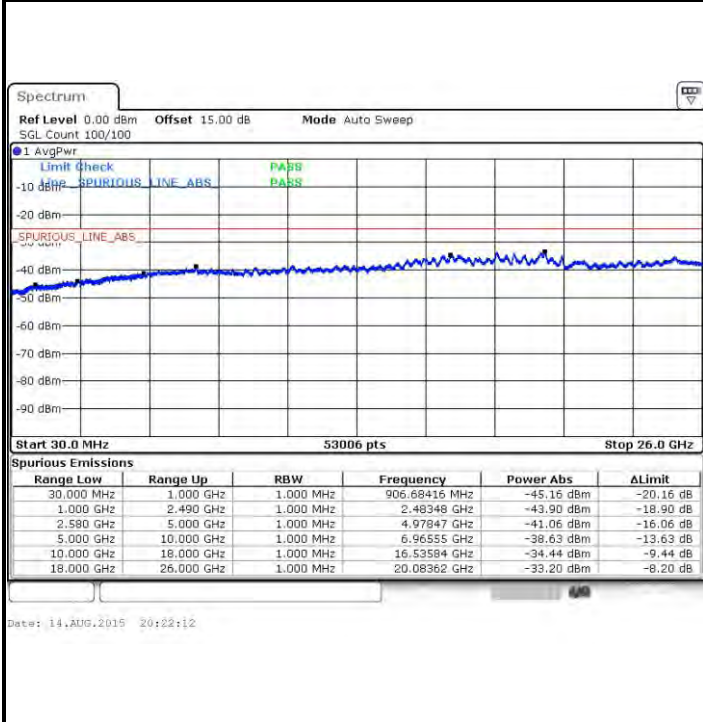


Highest Channel / 16QAM

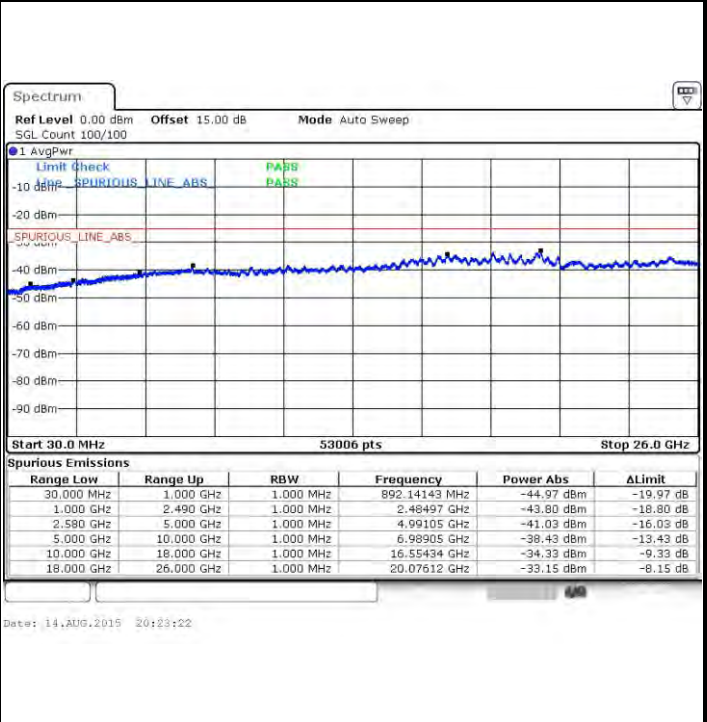


LTE Band 7 / 20MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

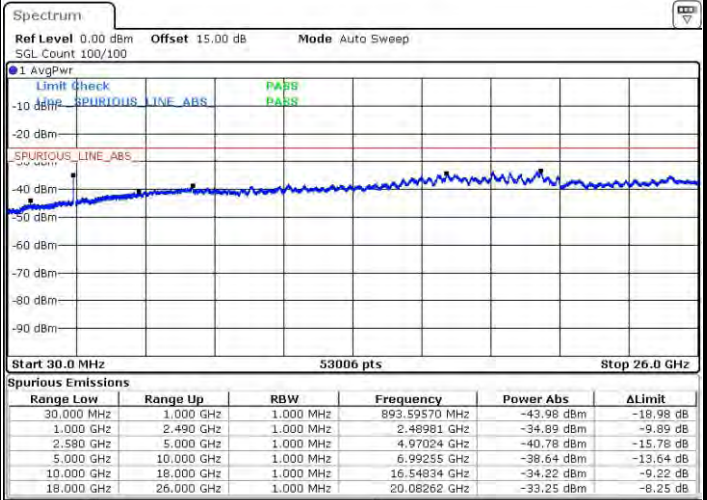
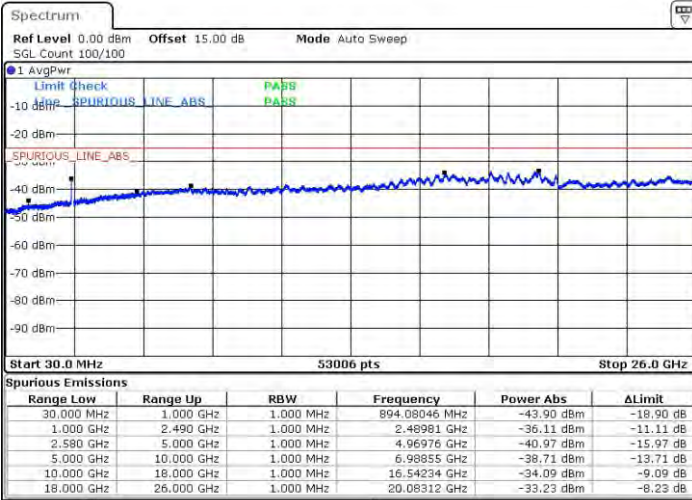




LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

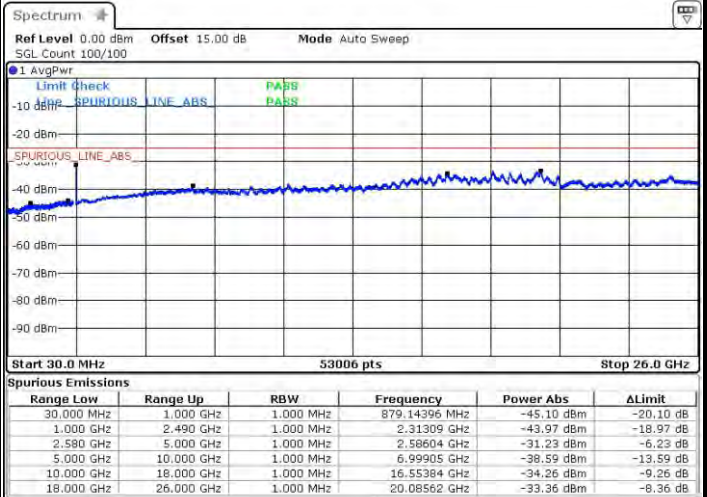
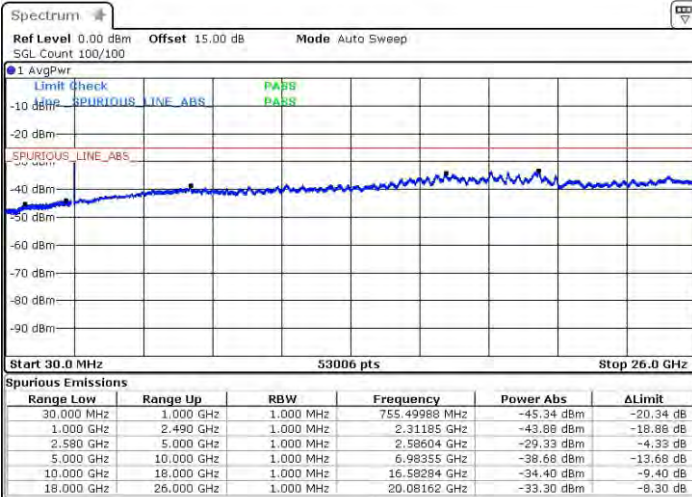


Date: 14.AUG.2015 20:25:21

Date: 14.AUG.2015 20:26:31

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 14.AUG.2015 20:33:18

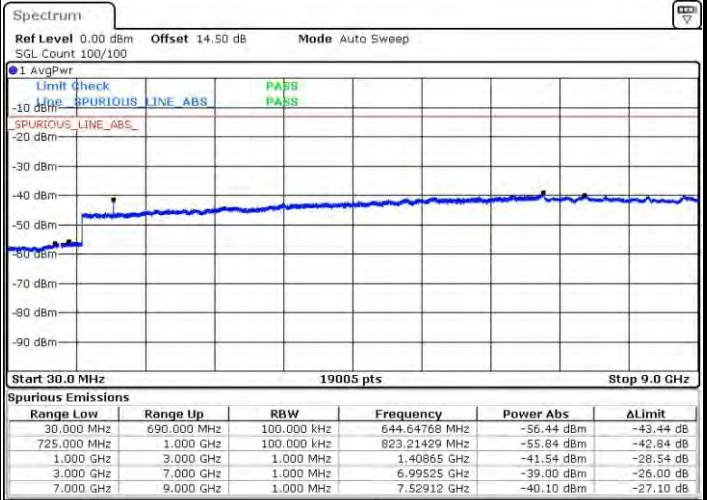
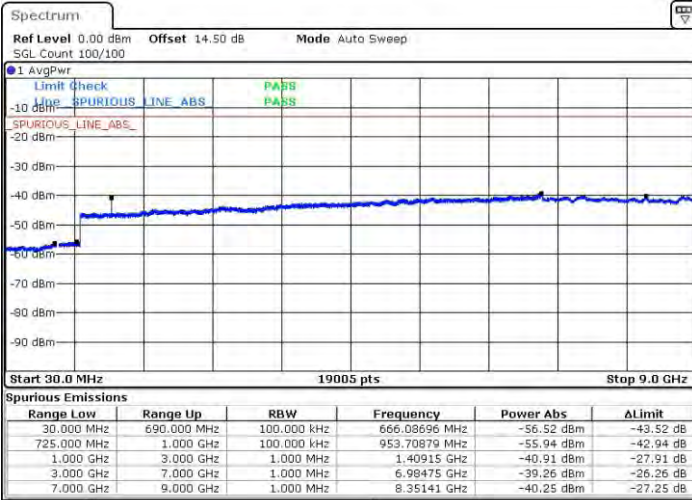
Date: 14.AUG.2015 20:34:28



LTE Band 17 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

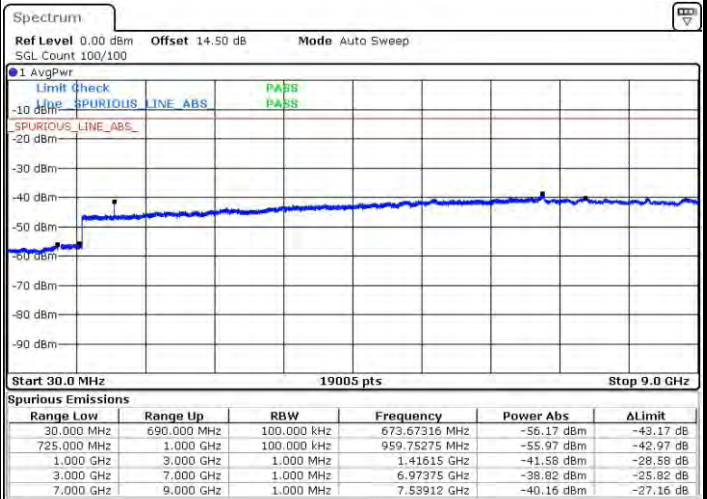
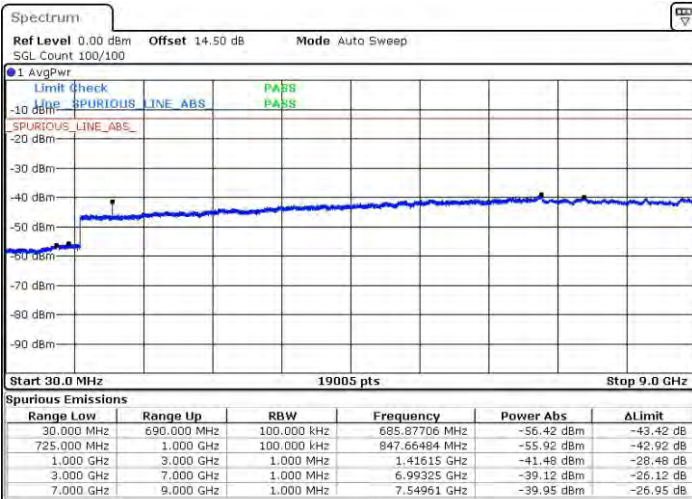


Date: 19.AUG.2015 09:30:27

Date: 19.AUG.2015 09:31:40

Middle Channel / QPSK

Middle Channel / 16QAM



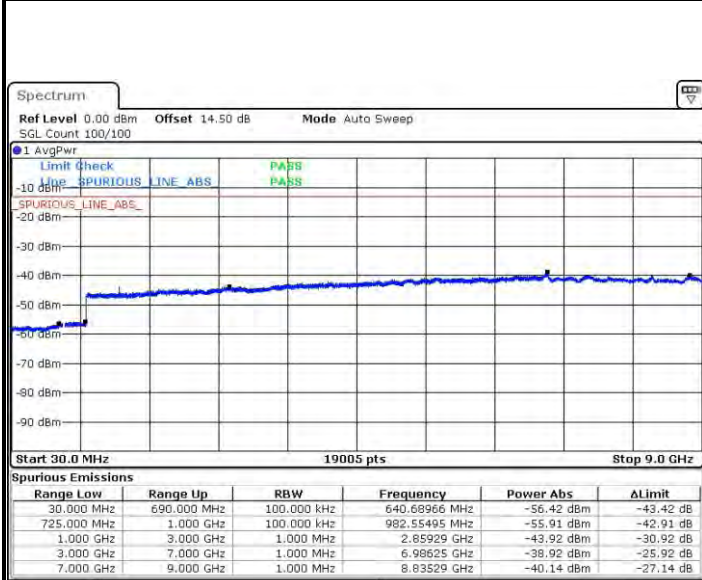
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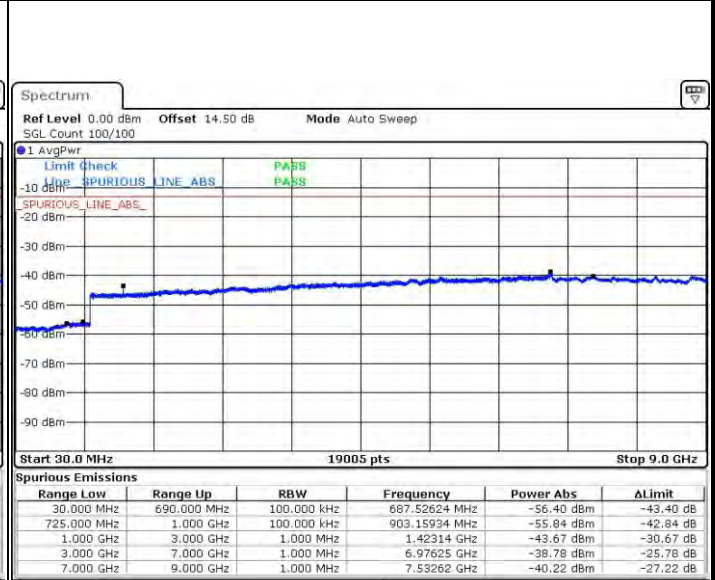
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 19.AUG.2015 09:41:37

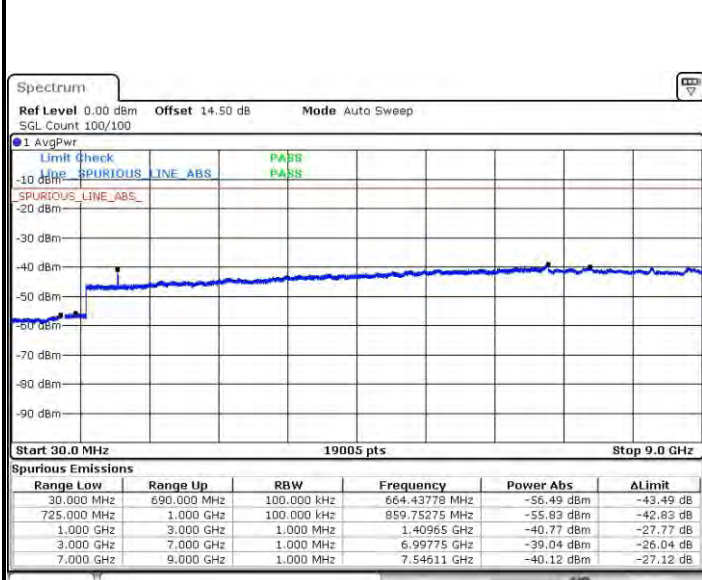
Highest Channel / 16QAM



Date: 19.AUG.2015 09:42:50

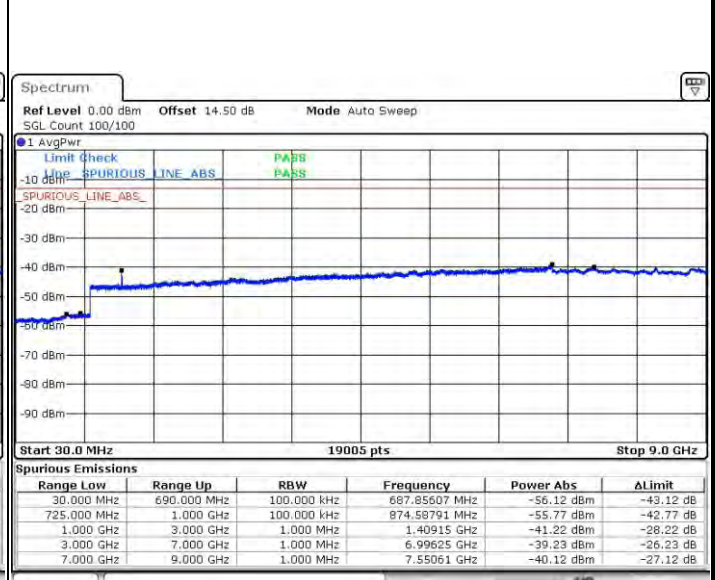
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 19.AUG.2015 09:48:33

Lowest Channel / 16QAM



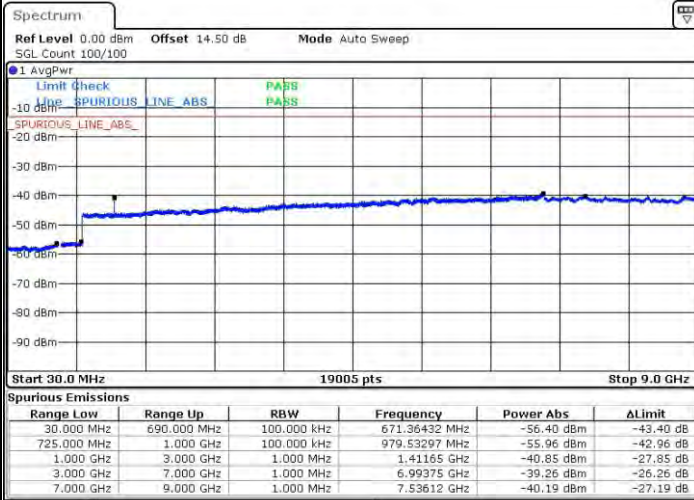
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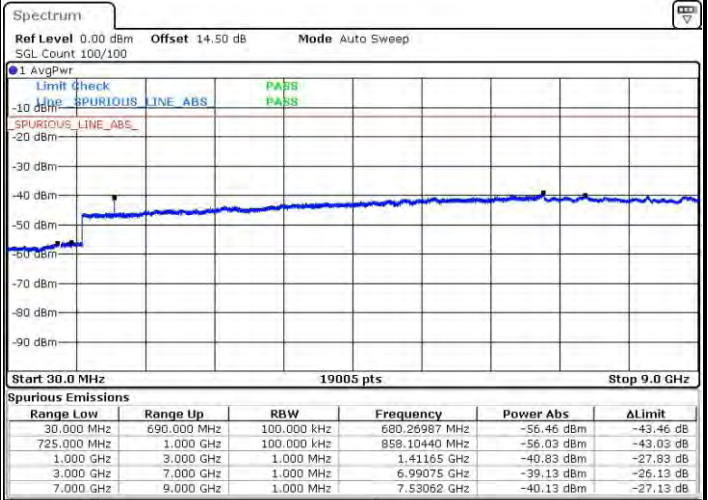
LTE Band 17 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM



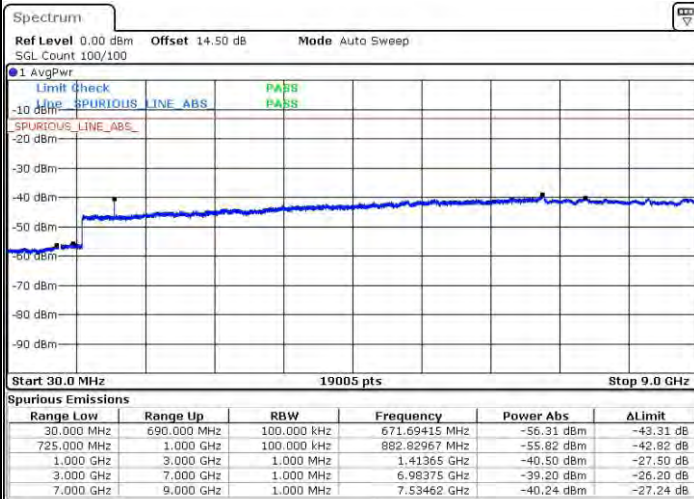
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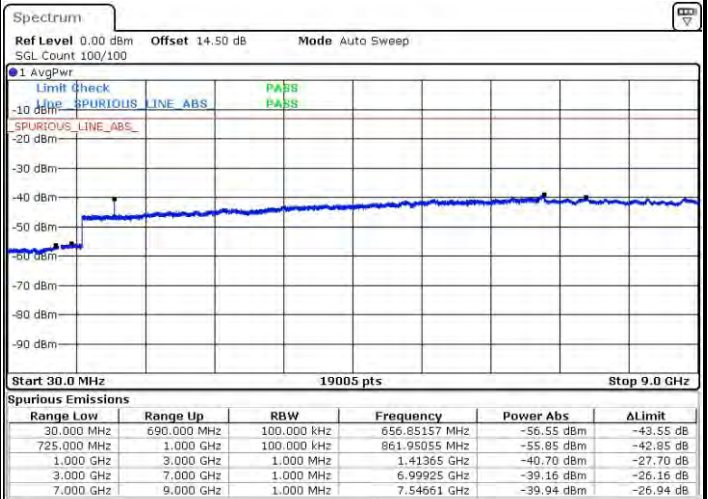
Date: 19.AUG.2015 09:54:00

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19.AUG.2015 10:00:43



Date: 19.AUG.2015 10:01:36



Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0027	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0069	
0	Normal Voltage	0.0090	
-10	Normal Voltage	0.0112	
-20	Normal Voltage	0.0133	
-30	Normal Voltage	0.0138	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

Note:

1. Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.3 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0081	PASS
40	Normal Voltage	0.0046	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0058	
0	Normal Voltage	0.0069	
-10	Normal Voltage	0.0081	
-20	Normal Voltage	0.0098	
-30	Normal Voltage	0.0133	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.3 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0039	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0079	
0	Normal Voltage	0.0099	
-10	Normal Voltage	0.0039	
-20	Normal Voltage	0.0055	
-30	Normal Voltage	0.0047	
20	Maximum Voltage	0.0087	
20	Normal Voltage	0.0079	
20	Battery End Point	0.0083	

Note:

1. Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.3 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0000	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0042	
-10	Normal Voltage	0.0056	
-20	Normal Voltage	0.0070	
-30	Normal Voltage	0.0070	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.3 V
2. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Appendix B. Test Results of Radiated Test

ERP/EIRP

LTE Band 2 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	22.74	0.1879	25.15	0.3273
Middle		1	2	24.69	0.2944	25.05	0.3199
Highest		1	2	24.33	0.2710	24.48	0.2805
Lowest	16QAM	3	0	23.57	0.2275	24.30	0.2692
Middle		3	0	23.54	0.2259	24.17	0.2612
Highest		1	2	23.16	0.2070	23.59	0.2286
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	7	24.34	0.2716	24.90	0.3090
Middle		1	7	24.37	0.2735	24.77	0.2999
Highest		1	14	24.09	0.2564	24.31	0.2698
Lowest	16QAM	1	7	23.47	0.2223	24.25	0.2661
Middle		1	7	23.45	0.2213	24.09	0.2564
Highest		1	7	23.10	0.2042	23.57	0.2275
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	24.51	0.2825	25.02	0.3177
Middle		1	0	24.53	0.2838	24.84	0.3048
Highest		1	24	24.03	0.2529	24.29	0.2685
Lowest	16QAM	1	0	23.54	0.2259	24.28	0.2679
Middle		1	0	23.61	0.2296	24.13	0.2588
Highest		1	0	23.05	0.2018	23.58	0.2280
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	24.37	0.2735	25.01	0.3170
Middle		1	0	24.23	0.2649	24.81	0.3027
Highest		1	0	23.92	0.2466	24.41	0.2761
Lowest	16QAM	1	49	23.83	0.2415	24.40	0.2754
Middle		1	0	23.51	0.2244	24.02	0.2523
Highest		1	0	23.32	0.2148	23.73	0.2360
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	74	24.41	0.2761	25.00	0.3162
Middle		1	0	24.14	0.2594	24.70	0.2951
Highest		1	0	24.14	0.2594	24.65	0.2917
Lowest	16QAM	1	74	23.70	0.2344	24.30	0.2692
Middle		1	0	23.65	0.2317	24.22	0.2642
Highest		1	0	23.31	0.2143	23.80	0.2399
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	24.60	0.2884	25.24	0.3342
Middle		1	0	24.49	0.2812	24.95	0.3126
Highest		1	0	24.42	0.2767	25.01	0.3170
Lowest	16QAM	1	49	23.83	0.2415	24.48	0.2805
Middle		1	0	23.52	0.2249	24.00	0.2512
Highest		1	0	23.45	0.2213	24.04	0.2535
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	21.96	0.1570	21.88	0.1542
Middle		6	0	22.22	0.1667	22.20	0.1660
Highest		6	0	23.40	0.2188	23.39	0.2183
Lowest	16QAM	6	0	21.58	0.1439	21.96	0.1570
Middle		1	2	22.39	0.1734	22.53	0.1791
Highest		3	0	23.01	0.2000	23.22	0.2099
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	8	0	22.00	0.1585	22.01	0.1589
Middle		15	0	22.63	0.1832	22.66	0.1845
Highest		8	0	23.35	0.2163	23.33	0.2153
Lowest	16QAM	1	7	21.79	0.1510	21.96	0.1570
Middle		1	7	22.32	0.1706	22.49	0.1774
Highest		1	14	23.27	0.2123	23.40	0.2188
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	12	11	22.00	0.1585	21.90	0.1549
Middle		12	0	22.58	0.1811	22.65	0.1841
Highest		12	11	23.25	0.2113	23.21	0.2094
Lowest	16QAM	1	24	21.95	0.1567	22.05	0.1603
Middle		1	12	22.30	0.1698	22.47	0.1766
Highest		1	24	23.27	0.2123	23.39	0.2183
Limit	EIRP < 1W			Result		PASS	



LTE Band 4/ 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	25	24	22.11	0.1626	22.12	0.1629
Middle		1	0	22.59	0.1816	22.77	0.1892
Highest		25	24	23.39	0.2183	23.52	0.2249
Lowest	16QAM	50	0	22.37	0.1726	22.54	0.1795
Middle		50	0	22.61	0.1824	22.83	0.1919
Highest		25	24	22.91	0.1954	23.08	0.2032
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	36	0	22.12	0.1629	22.10	0.1622
Middle		36	0	22.01	0.1589	21.39	0.1377
Highest		36	37	23.24	0.2109	23.29	0.2133
Lowest	16QAM	1	37	21.87	0.1538	22.14	0.1637
Middle		1	0	22.56	0.1803	22.78	0.1897
Highest		36	37	23.22	0.2099	23.40	0.2188
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.59	0.1442	21.71	0.1483
Middle		1	0	21.26	0.1337	21.24	0.1330
Highest		1	0	23.17	0.2075	23.22	0.2099
Lowest	16QAM	1	49	21.91	0.1552	22.15	0.1641
Middle		1	0	22.24	0.1675	22.37	0.1726
Highest		1	99	23.11	0.2046	23.27	0.2123
Limit	EIRP < 1W			Result		PASS	



LTE Band 7 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.40	0.1380	21.63	0.1455
Middle		1	12	20.96	0.1247	20.81	0.1205
Highest		1	0	20.50	0.1122	20.65	0.1161
Lowest	16QAM	1	0	20.39	0.1094	20.65	0.1161
Middle		1	24	19.89	0.0975	19.83	0.0962
Highest		1	12	19.57	0.0906	19.80	0.0955
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.50	0.1413	21.69	0.1476
Middle		1	49	21.08	0.1282	20.86	0.1219
Highest		1	49	20.69	0.1172	20.76	0.1191
Lowest	16QAM	1	0	20.58	0.1143	20.75	0.1189
Middle		1	49	20.16	0.1038	19.91	0.0979
Highest		1	0	19.54	0.0899	19.67	0.0927
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.62	0.1452	21.79	0.1510
Middle		1	74	21.12	0.1294	20.94	0.1242
Highest		1	37	20.75	0.1189	20.78	0.1197
Lowest	16QAM	1	0	20.61	0.1151	20.83	0.1211
Middle		1	74	20.14	0.1033	19.98	0.0995
Highest		1	74	19.82	0.0959	19.86	0.0968
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	99	20.91	0.1233	20.79	0.1199
Middle		1	99	21.04	0.1271	20.90	0.1230
Highest		1	99	21.04	0.1271	20.93	0.1239
Lowest	16QAM	1	0	20.59	0.1146	20.83	0.1211
Middle		1	99	20.14	0.1033	19.99	0.0998
Highest		1	99	19.59	0.0910	19.71	0.0935
Limit	EIRP < 2W			Result		PASS	



LTE Band 17 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	11.01	0.0126	1.72	0.0015
Middle		1	24	11.54	0.0143	2.63	0.0018
Highest		1	12	11.22	0.0132	2.39	0.0017
Lowest	16QAM	1	0	10.35	0.0108	-0.47	0.0009
Middle		1	24	10.69	0.0117	-0.10	0.0010
Highest		1	12	11.26	0.0134	0.85	0.0012
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	10.93	0.0124	1.64	0.0015
Middle		1	49	11.01	0.0126	1.75	0.0015
Highest		1	49	11.03	0.0127	1.75	0.0015
Lowest	16QAM	1	49	10.65	0.0116	0.66	0.0012
Middle		1	49	11.06	0.0128	0.70	0.0012
Highest		1	49	10.56	0.0114	0.20	0.0010
Limit	ERP < 3W			Result		PASS	



Radiated Spurious Emission

LTE Band 2 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3758.92	-50.37	-13	-37.37	-63.14	-57.56	0.81	8.00	H
	5638.38	-28.33	-13	-15.33	-50.12	-38.32	1.01	11.00	H
	7517.84	-46.50	-13	-33.50	-68.67	-58.74	1.46	13.70	H
	3758.92	-45.66	-13	-32.66	-58.73	-52.85	0.81	8.00	V
	5638.38	-33.23	-13	-20.23	-54.02	-43.22	1.01	11.00	V
	7517.84	-45.40	-13	-32.40	-67.89	-57.64	1.46	13.70	V

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

LTE Band 2 / 3MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3758.92	-50.15	-13	-37.15	-62.92	-57.34	0.81	8.00	H
	5638.38	-28.21	-13	-15.21	-50.01	-38.20	1.01	11.00	H
	7517.84	-46.29	-13	-33.29	-68.46	-58.53	1.46	13.70	H
	3758.92	-45.42	-13	-32.42	-58.49	-52.61	0.81	8.00	V
	5638.38	-28.67	-13	-15.67	-50.4	-38.66	1.01	11.00	V
	7517.84	-45.04	-13	-32.04	-67.53	-57.28	1.46	13.70	V

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



LTE Band 2 / 5MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3755.68	-51.01	-13	-38.01	-63.78	-58.20	0.81	8.00	H
	5633.52	-28.57	-13	-15.57	-50.34	-38.56	1.01	11.00	H
	7511.36	-45.96	-13	-32.96	-68.13	-58.20	1.46	13.70	H
	3755.68	-44.45	-13	-31.45	-57.52	-51.64	0.81	8.00	V
	5633.52	-31.59	-13	-18.59	-52.8	-41.58	1.01	11.00	V
	7511.36	-46.02	-13	-33.02	-68.51	-58.26	1.46	13.70	V

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

LTE Band 2 / 10MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3751.18	-63.46	-13	-50.46	-63.46	-70.65	0.81	8.00	H
	5626.77	-30.97	-13	-17.97	-52.42	-40.96	1.01	11.00	H
	7502.36	-47.36	-13	-34.36	-69.53	-59.60	1.46	13.70	H
	3751.18	-43.23	-13	-30.23	-56.3	-50.42	0.81	8.00	V
	5626.77	-32.88	-13	-19.88	-53.73	-42.87	1.01	11.00	V
	7502.36	-45.56	-13	-32.56	-68.05	-57.80	1.46	13.70	V

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



LTE Band 2 / 15MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3746.68	-63.46	-13	-50.46	-61.62	-70.65	0.81	8.00	H
	5620.02	-32.95	-13	-19.95	-53.84	-42.94	1.01	11.00	H
	7493.36	-47.90	-13	-34.90	-70.07	-60.14	1.46	13.70	H
	3746.68	-44.89	-13	-31.89	-57.96	-52.08	0.81	8.00	V
	5620.02	-39.30	-13	-26.30	-58.52	-49.29	1.01	11.00	V
	7493.36	-44.85	-13	-31.85	-67.34	-57.09	1.46	13.70	V

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

LTE Band 2 / 20MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3742.18	-63.46	-13	-50.46	-62.85	-70.65	0.81	8.00	H
	5613.27	-32.83	-13	-19.83	-53.75	-42.82	1.01	11.00	H
	7484.36	-46.67	-13	-33.67	-68.84	-58.91	1.46	13.70	H
	3742.18	-42.68	-13	-29.68	-55.75	-49.87	0.81	8.00	V
	5613.27	-37.60	-13	-24.60	-57.42	-47.59	1.01	11.00	V
	7484.36	-46.30	-13	-33.30	-68.79	-58.54	1.46	13.70	V

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



LTE Band 4 / 1.4MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3463.92	-51.49	-13	-38.49	-64.32	-58.68	0.81	8.00	H
	5195.88	-36.59	-13	-23.59	-55.33	-45.64	0.95	10.00	H
	6927.84	-45.77	-13	-32.77	-67.11	-58.04	1.13	13.40	H
	3463.92	-48.52	-13	-35.52	-61.86	-60.31	0.81	12.60	V
	5195.88	-34.38	-13	-21.38	-54.14	-46.13	0.95	12.70	V
	6927.84	-46.41	-13	-33.41	-67.4	-56.98	1.13	11.70	V

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

LTE Band 4 / 3MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3462.48	-51.92	-13	-38.92	-64.75	-59.11	0.81	8.00	H
	5193.72	-39.24	-13	-26.24	-57.77	-48.29	0.95	10.00	H
	6924.96	-45.30	-13	-32.30	-66.64	-57.57	1.13	13.40	H
	3462.48	-50.03	-13	-37.03	-63.37	-61.82	0.81	12.60	V
	5193.72	-35.89	-13	-22.89	-55.49	-47.64	0.95	12.70	V
	6924.96	-46.86	-13	-33.86	-67.85	-57.43	1.13	11.70	V

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



LTE Band 4 / 5MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3460.68	-52.52	-13	-39.52	-65.35	-59.71	0.81	8.00	H
	5191.02	-38.09	-13	-25.09	-56.62	-47.14	0.95	10.00	H
	6921.36	-46.03	-13	-33.03	-67.37	-58.30	1.13	13.40	H
	3460.68	-49.13	-13	-36.13	-62.47	-60.92	0.81	12.60	V
	5191.02	-38.44	-13	-25.44	-57.07	-50.19	0.95	12.70	V
	6921.36	-47.06	-13	-34.06	-68.05	-57.63	1.13	11.70	V

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

LTE Band 4 / 10MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3456.18	-51.47	-13	-38.47	-64.30	-58.66	0.81	8.00	H
	5184.27	-38.15	-13	-25.15	-56.68	-47.20	0.95	10.00	H
	6912.36	-44.58	-13	-31.58	-65.92	-56.85	1.13	13.40	H
	3456.18	-48.55	-13	-35.55	-61.89	-60.34	0.81	12.60	V
	5184.27	-32.98	-13	-19.98	-53.02	-44.73	0.95	12.70	V
	6912.36	-47.51	-13	-34.51	-68.5	-58.08	1.13	11.70	V

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



LTE Band 4 / 15MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3451.68	-49.43	-13	-36.43	-62.26	-56.62	0.81	8.00	H
	5177.52	-34.23	-13	-21.23	-53.69	-43.28	0.95	10.00	H
	6903.36	-46.06	-13	-33.06	-67.40	-58.33	1.13	13.40	H
	3451.68	-48.78	-13	-35.78	-62.12	-60.57	0.81	12.60	V
	5177.52	-33.90	-13	-20.90	-53.73	-45.65	0.95	12.70	V
	6903.36	-47.13	-13	-34.13	-68.12	-57.70	1.13	11.70	V

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

LTE Band 4 / 20MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	3447.18	-51.95	-13	-38.95	-64.78	-59.14	0.81	8.00	H
	5170.77	-38.51	-13	-25.51	-57.04	-47.56	0.95	10.00	H
	6894.36	-46.18	-13	-33.18	-67.52	-58.45	1.13	13.40	H
	3447.18	-47.24	-13	-34.24	-60.58	-59.03	0.81	12.60	V
	5170.77	-38.07	-13	-25.07	-56.7	-49.82	0.95	12.70	V
	6894.36	-47.91	-13	-34.91	-68.9	-58.48	1.13	11.70	V

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



LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	5065.68	-42.30	-25	-17.30	-59.93	-51.35	0.95	10.00	H
	7598.52	-34.11	-25	-9.11	-59.73	-46.35	1.46	13.70	H
	10131.36	-39.41	-25	-14.41	-66.96	-51.30	1.31	13.20	H
	5065.68	-35.84	-25	-10.84	-55.38	-44.89	0.95	10.00	V
	7598.52	-43.11	-25	-18.11	-67.44	-55.35	1.46	13.70	V
	10131.36	-38.06	-25	-13.06	-64.54	-49.95	1.31	13.20	V

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

LTE Band 7 / 10MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	5061.18	-41.22	-25	-16.22	-58.85	-50.27	0.95	10.00	H
	7591.77	-38.04	-25	-13.04	-63.66	-50.28	1.46	13.70	H
	10122.36	-36.85	-25	-11.85	-64.40	-48.74	1.31	13.20	H
	5061.18	-37.46	-25	-12.46	-56.37	-46.51	0.95	10.00	V
	7591.77	-42.68	-25	-17.68	-67.01	-54.92	1.46	13.70	V
	10122.36	-35.54	-25	-10.54	-62.63	-47.43	1.31	13.20	V

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



LTE Band 7 / 15MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	5056.68	-40.72	-25	-15.72	-58.55	-49.77	0.95	10.00	H
	7585.02	-41.08	-25	-16.08	-66.70	-53.32	1.46	13.70	H
	10116.00	-44.30	-25	-19.30	-71.85	-56.19	1.31	13.20	H
	5056.68	-39.87	-25	-14.87	-57.9	-48.92	0.95	10.00	V
	7585.02	-43.11	-25	-18.11	-67.44	-55.35	1.46	13.70	V
	10116	-32.85	-25	-7.85	-61.84	-44.74	1.31	13.20	V

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

LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	5052.18	-39.13	-25	-14.13	-57.29	-48.18	0.95	10.00	H
	7578.27	-39.71	-25	-14.71	-65.33	-51.95	1.46	13.70	H
	10104.36	-36.06	-25	-11.06	-63.61	-47.95	1.31	13.20	H
	5052.18	-36.96	-25	-11.96	-56	-46.01	0.95	10.00	V
	7578.27	-42.68	-25	-17.68	-67.01	-54.92	1.46	13.70	V
	10104.36	-35.18	-25	-10.18	-62.59	-47.07	1.31	13.20	V

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



LTE Band 17 / 5MHz / QPSK / RB Size 1 Offset 0									
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	1415.68	-58.51	-13	-45.51	-61.06	-62.33	0.53	6.50	H
	2123.52	-58.88	-13	-45.88	-64.30	-61.75	0.68	5.70	H
	2831.36	-54.65	-13	-41.65	-64.67	-59.69	0.81	8.00	H
	1415.68	-53.22	-13	-40.22	-56.57	-57.04	0.53	6.50	V
	2123.52	-54.80	-13	-41.80	-59.12	-57.67	0.68	5.70	V
	2831.36	-56.32	-13	-43.32	-65.33	-61.36	0.81	8.00	V

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

LTE Band 17 / 10MHz / QPSK / RB Size 1 Offset 0									
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	1411.18	-53.83	-13	-40.83	-56.40	-57.65	0.53	6.50	H
	2116.77	-55.86	-13	-42.86	-61.28	-58.73	0.68	5.70	H
	2822.36	-55.09	-13	-42.09	-65.11	-60.13	0.81	8.00	H
	1411.18	-45.16	-13	-32.16	-50.81	-48.98	0.53	6.50	V
	2116.77	-52.14	-13	-39.14	-56.74	-55.01	0.68	5.70	V
	2822.36	-56.26	-13	-43.26	-65.27	-61.30	0.81	8.00	V

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