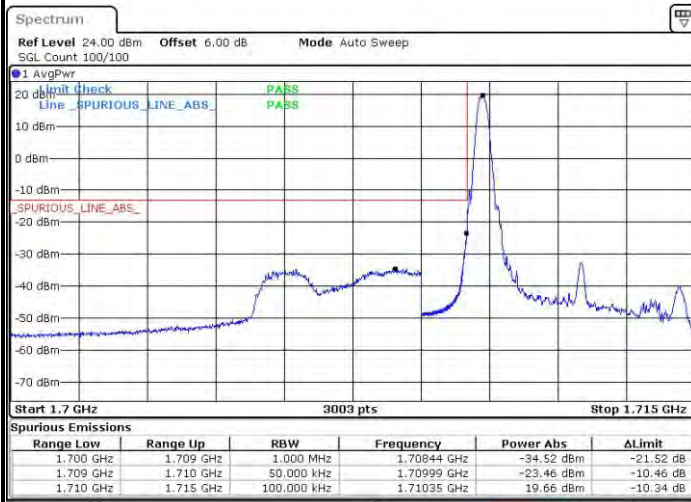


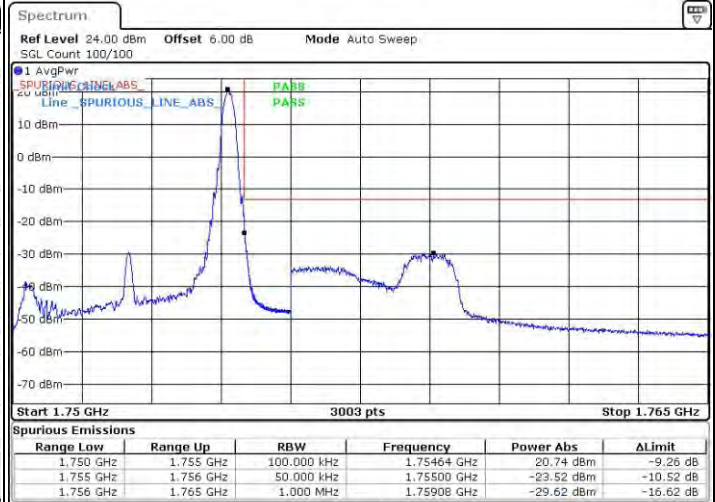


LTE Band 4 / 5MHz / 16QAM

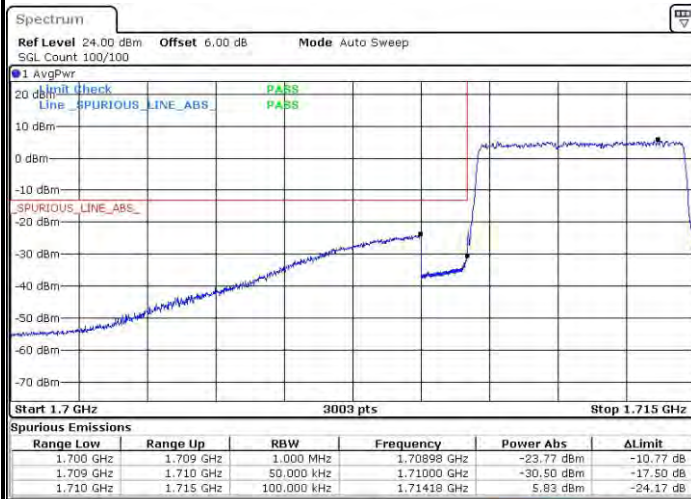
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



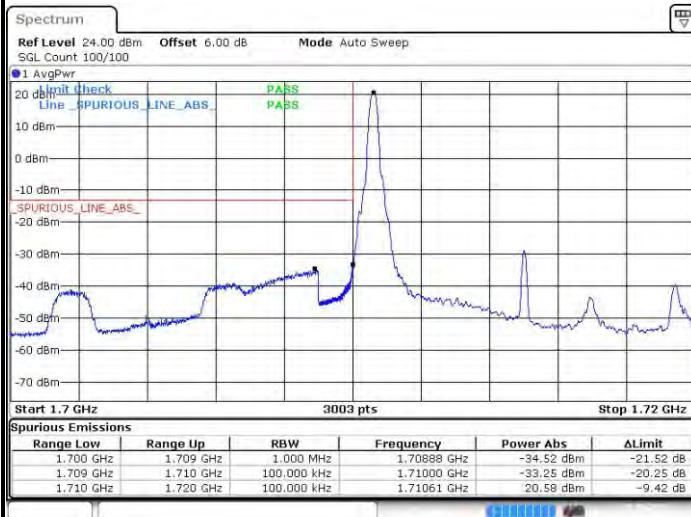
Highest Band Edge / Full RB



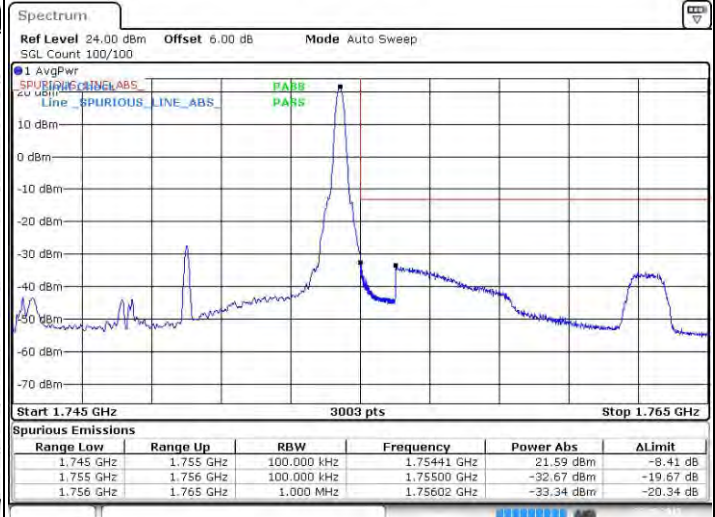


LTE Band 4 / 10MHz / QPSK

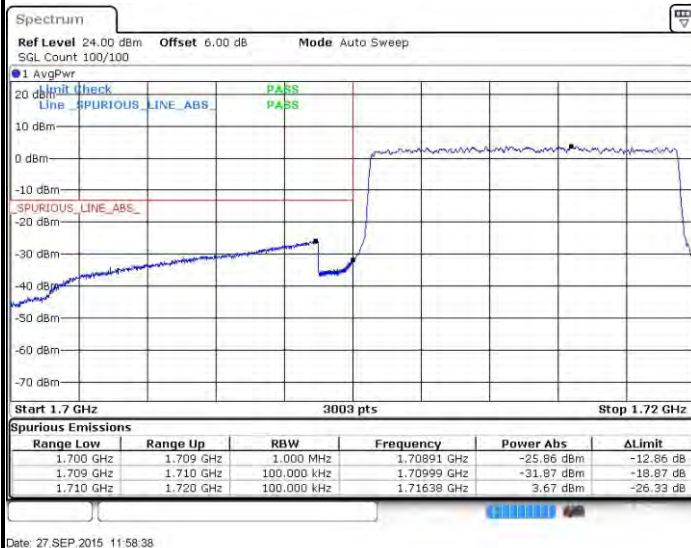
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



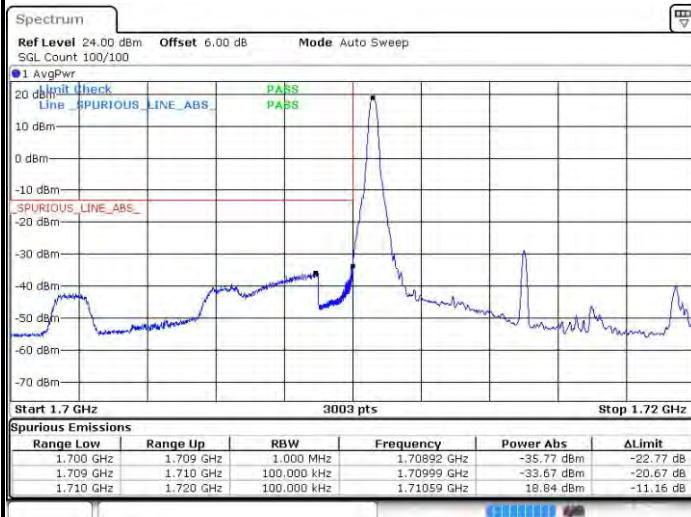
Highest Band Edge / Full RB



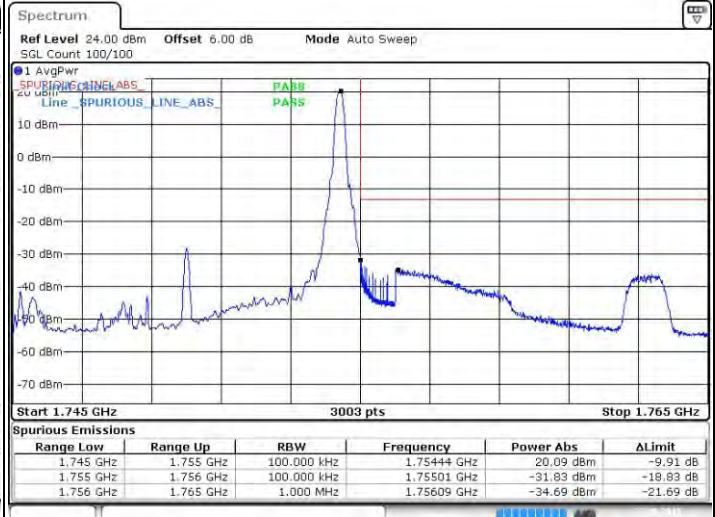


LTE Band 4 / 10MHz / 16QAM

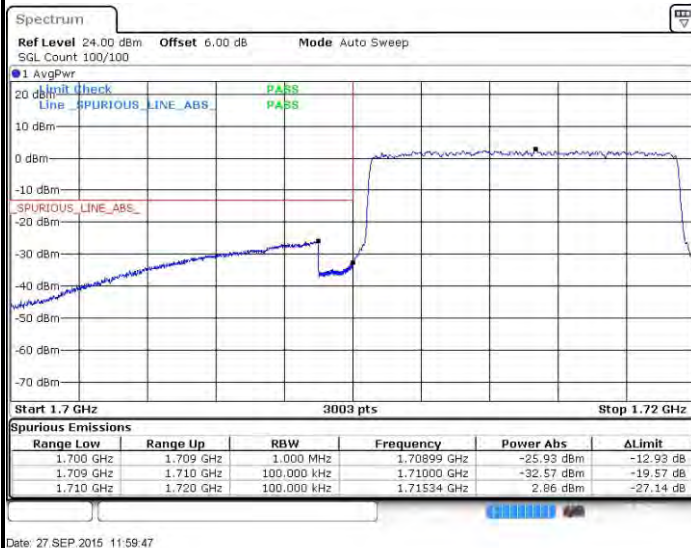
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



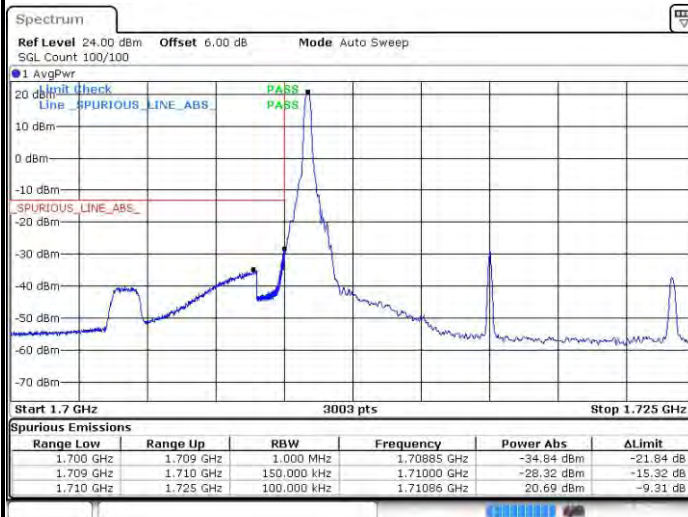
Highest Band Edge / Full RB



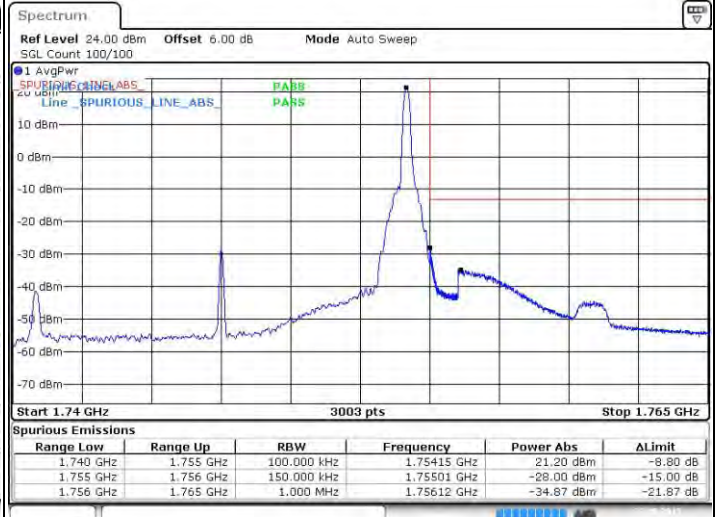


LTE Band 4 / 15MHz / QPSK

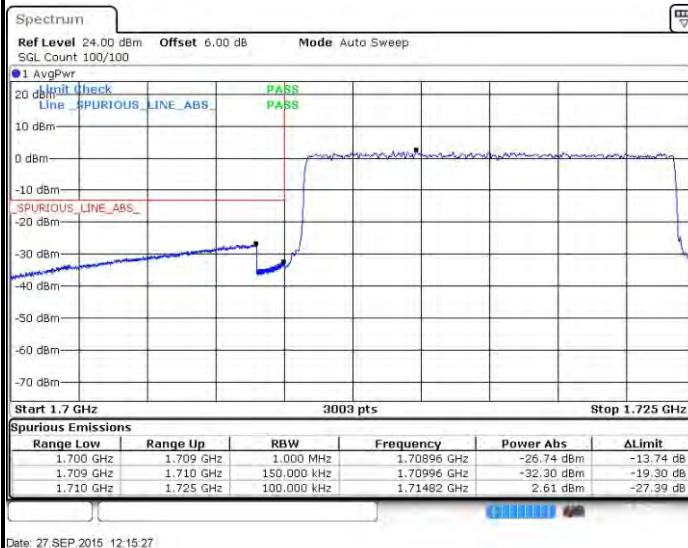
Lowest Band Edge / 1 RB



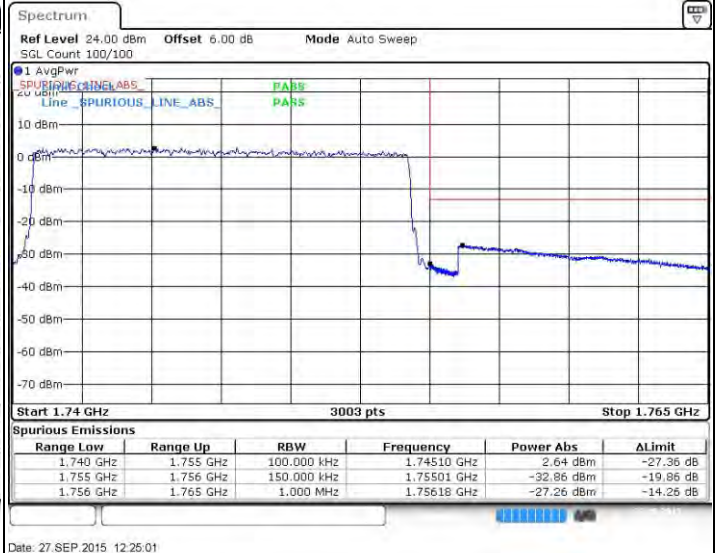
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



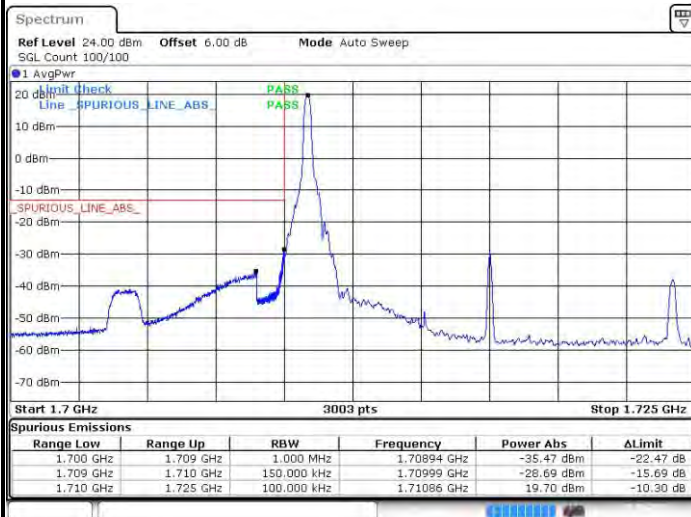
Highest Band Edge / Full RB



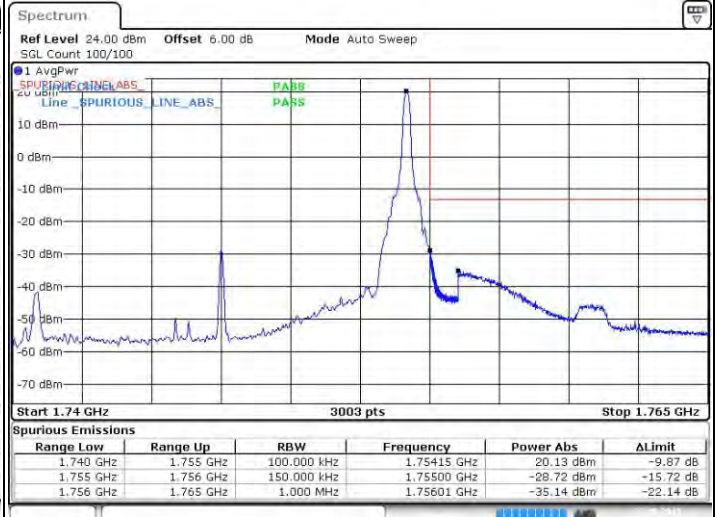


LTE Band 4 / 15MHz / 16QAM

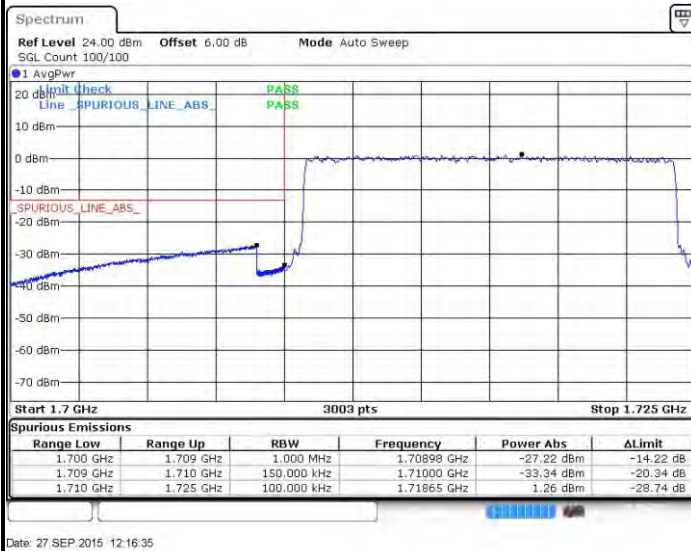
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



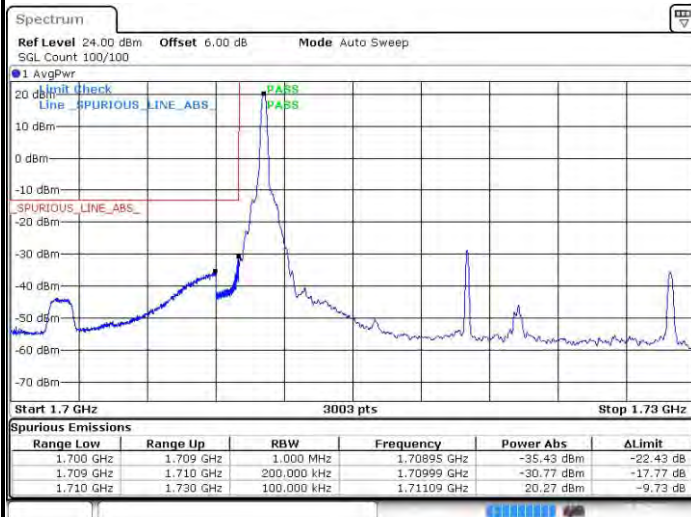
Highest Band Edge / Full RB



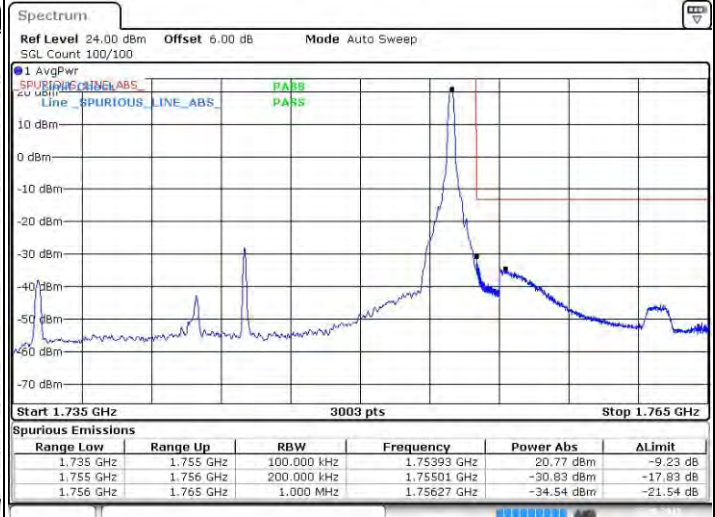


LTE Band 4 / 20MHz / QPSK

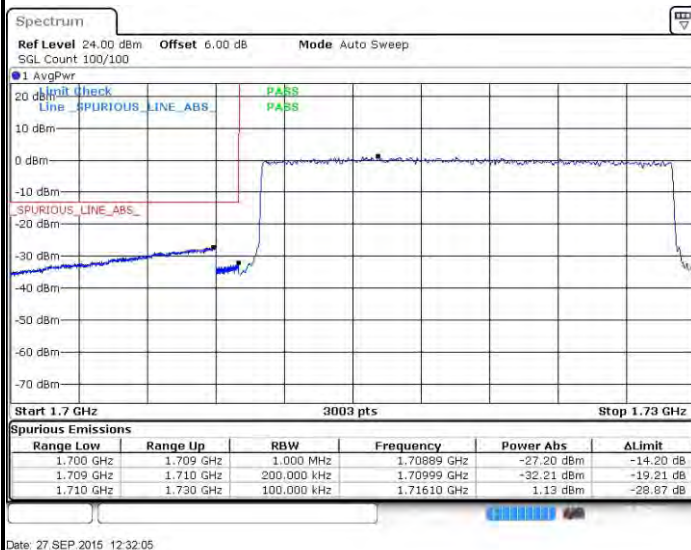
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



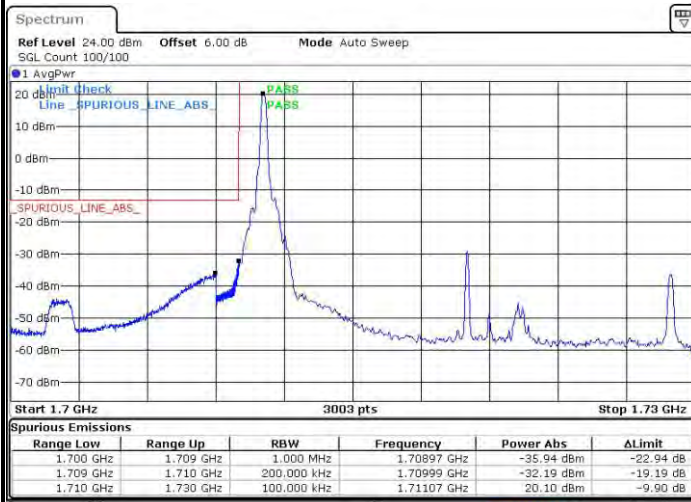
Highest Band Edge / Full RB



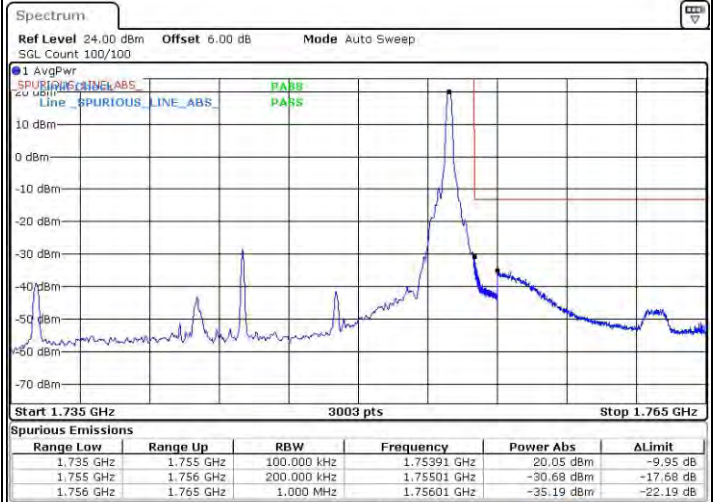


LTE Band 4 / 20MHz / 16QAM

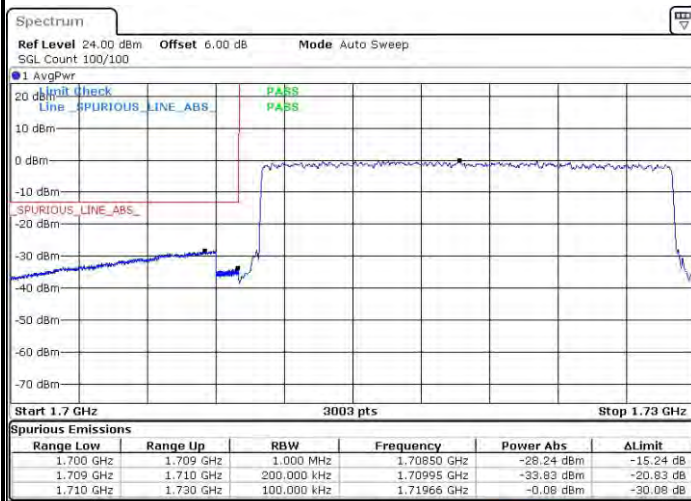
Lowest Band Edge / 1 RB



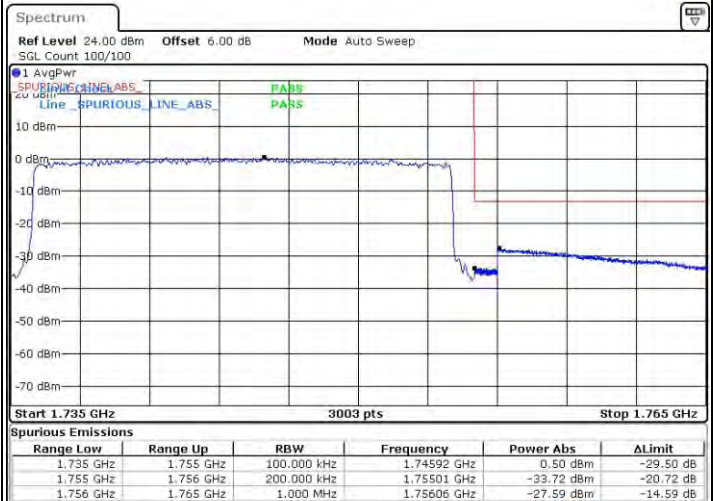
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



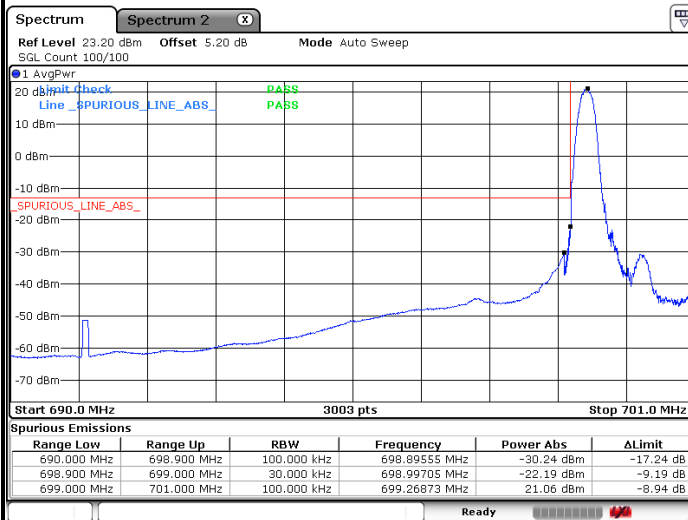
Highest Band Edge / Full RB



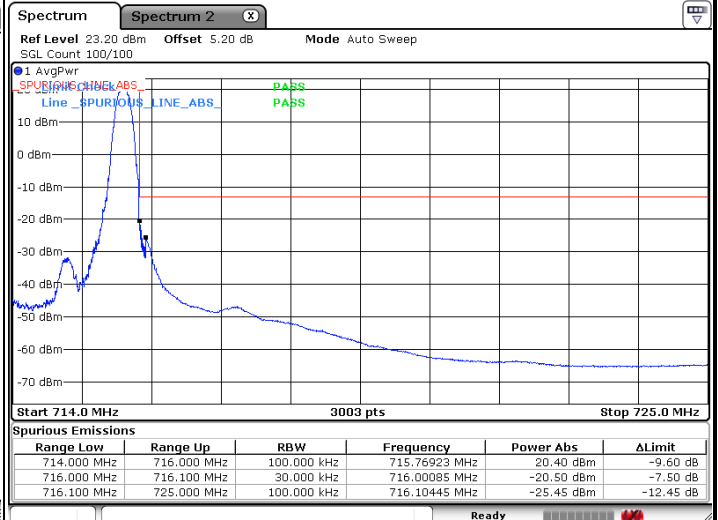


LTE Band 12 / 1.4MHz / QPSK

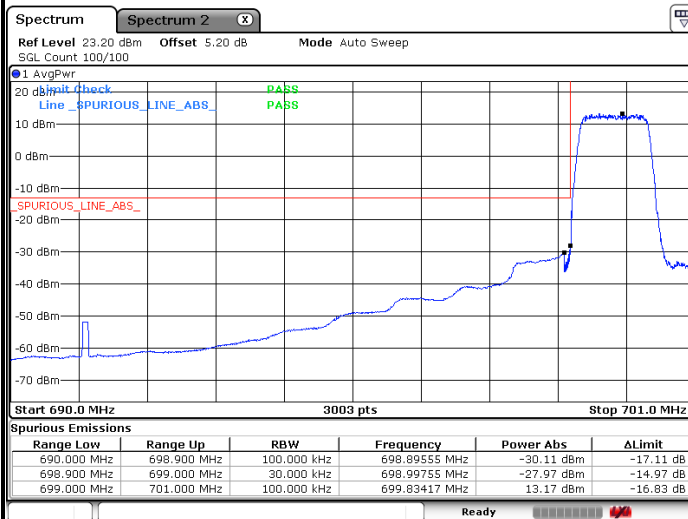
Lowest Band Edge / 1 RB



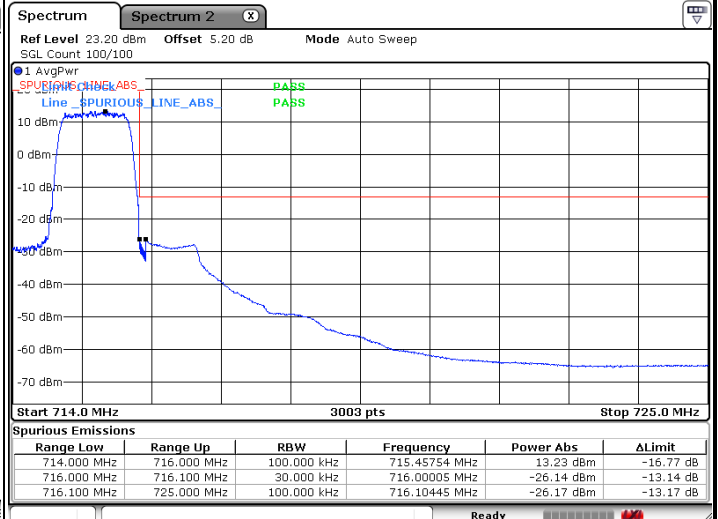
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



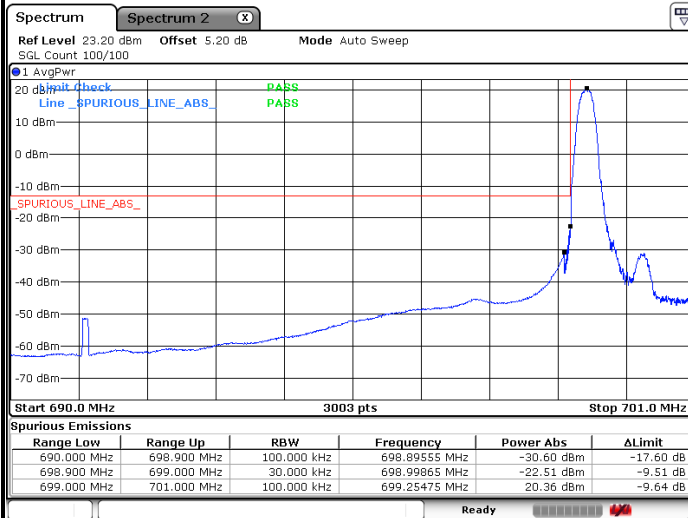
Highest Band Edge / Full RB



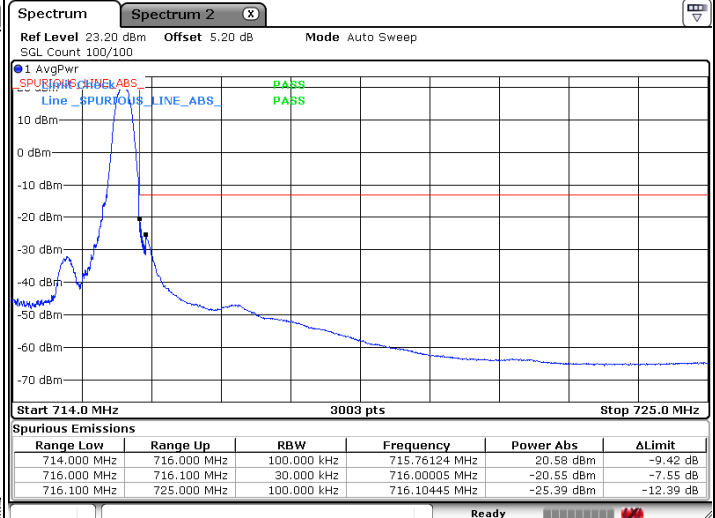


LTE Band 12 / 1.4MHz / 16QAM

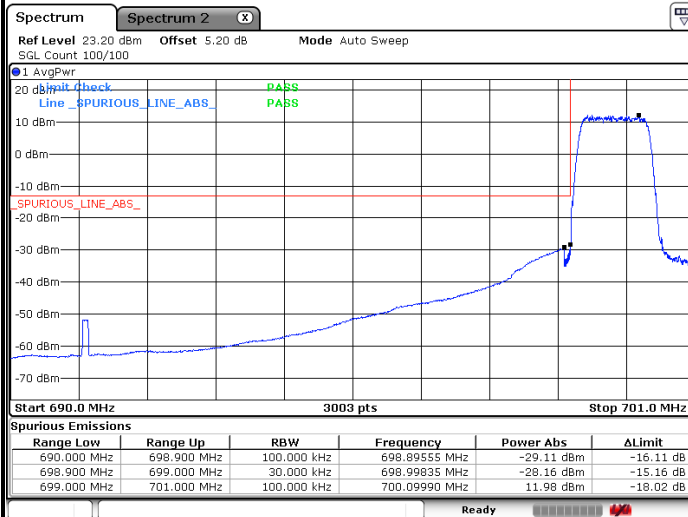
Lowest Band Edge / 1 RB



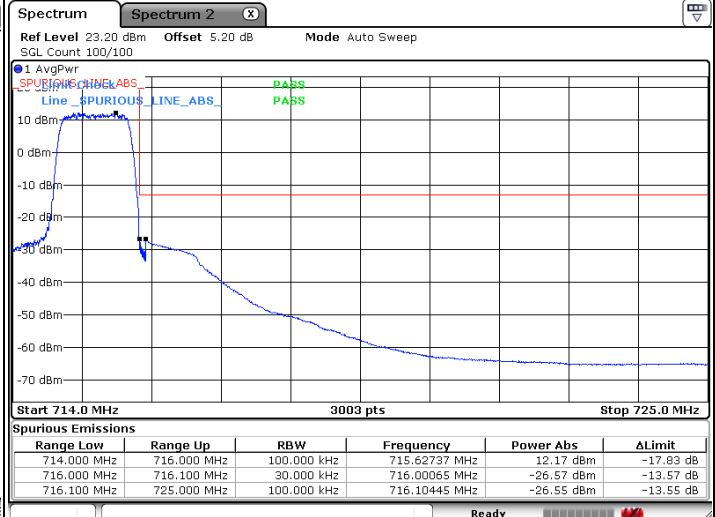
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



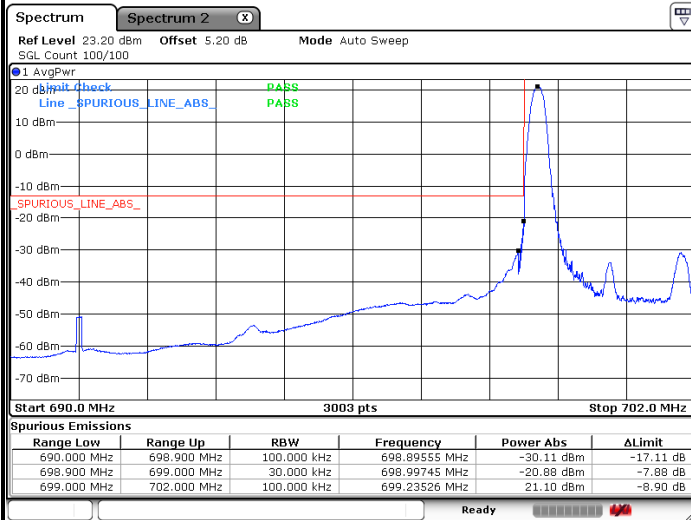
Highest Band Edge / Full RB



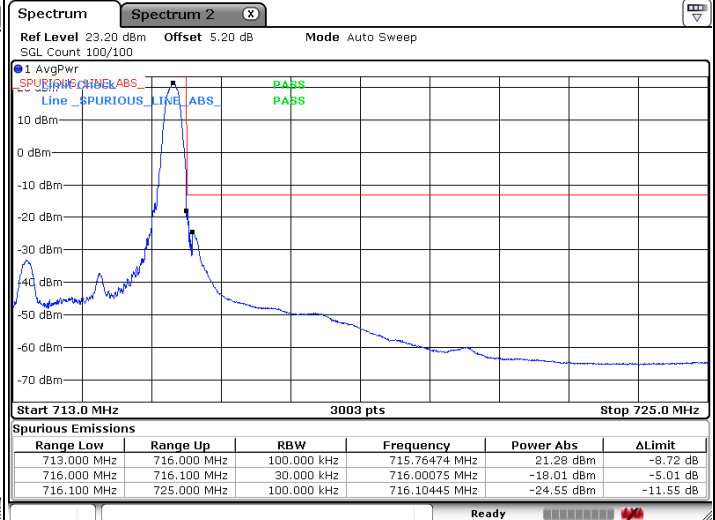


LTE Band 12 / 3MHz / QPSK

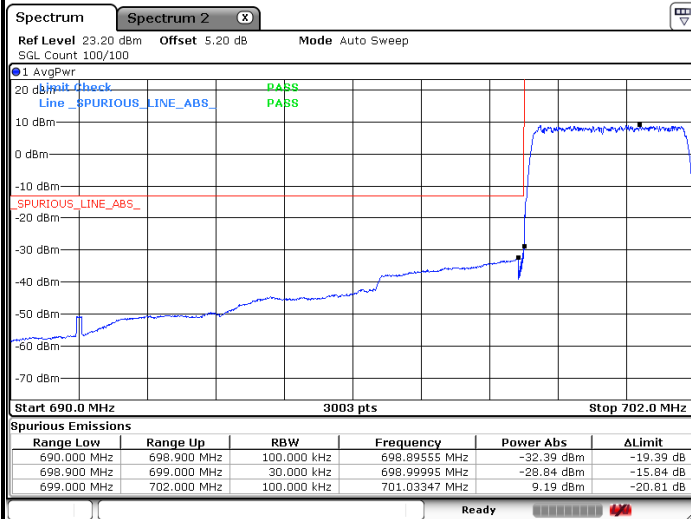
Lowest Band Edge / 1RB



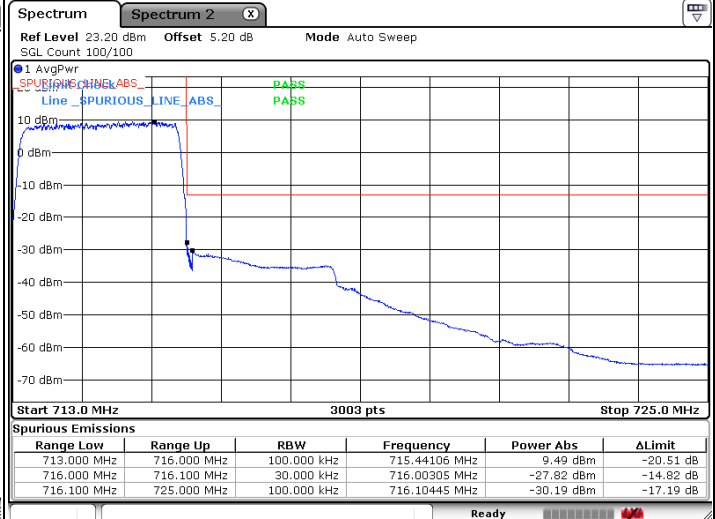
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



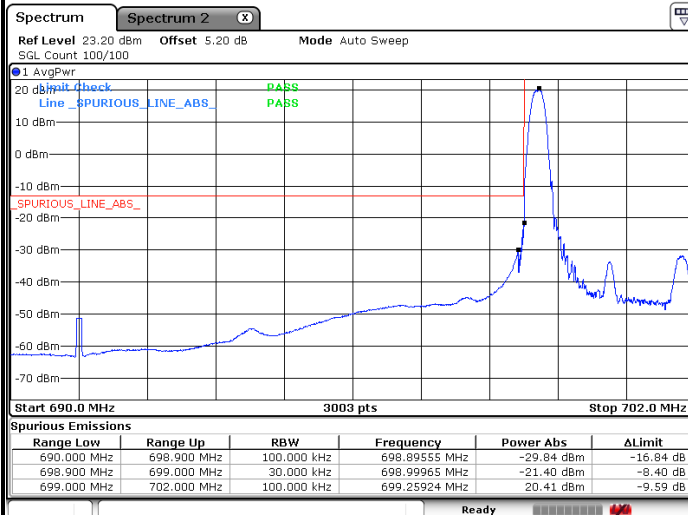
Highest Band Edge / Full RB



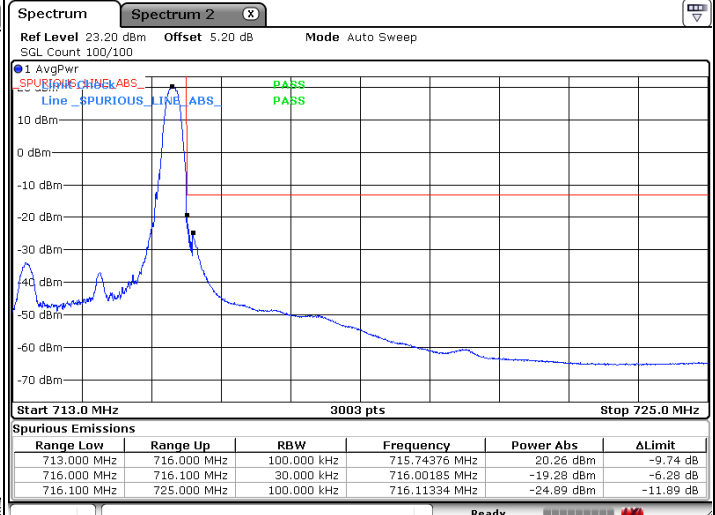


LTE Band 12 / 3MHz / 16QAM

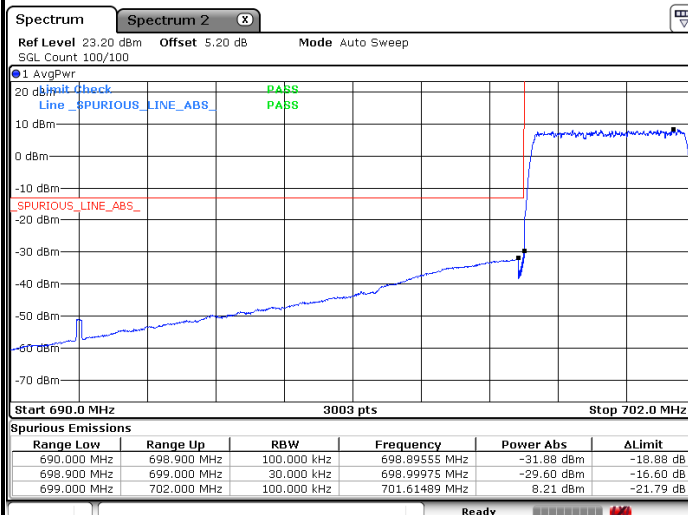
Lowest Band Edge / 1 RB



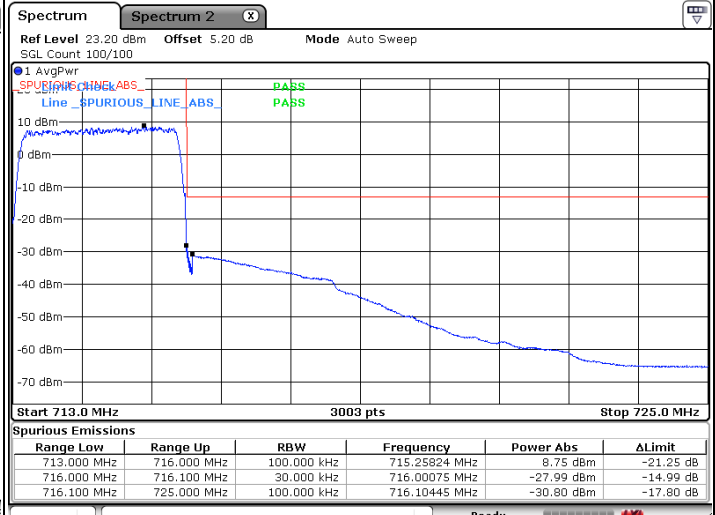
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



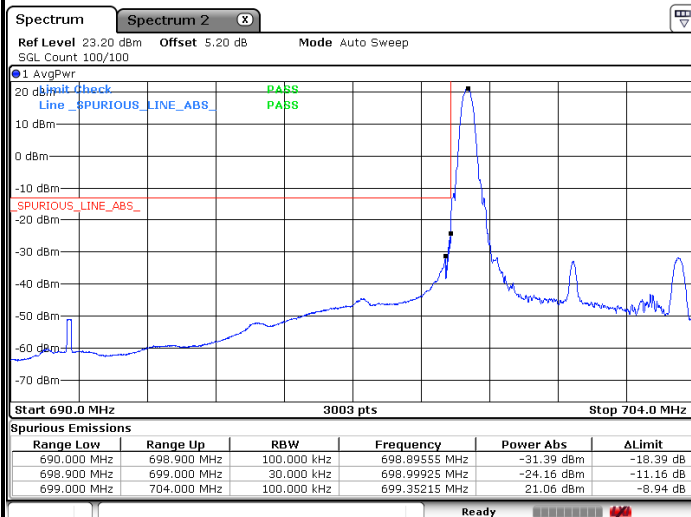
Highest Band Edge / Full RB



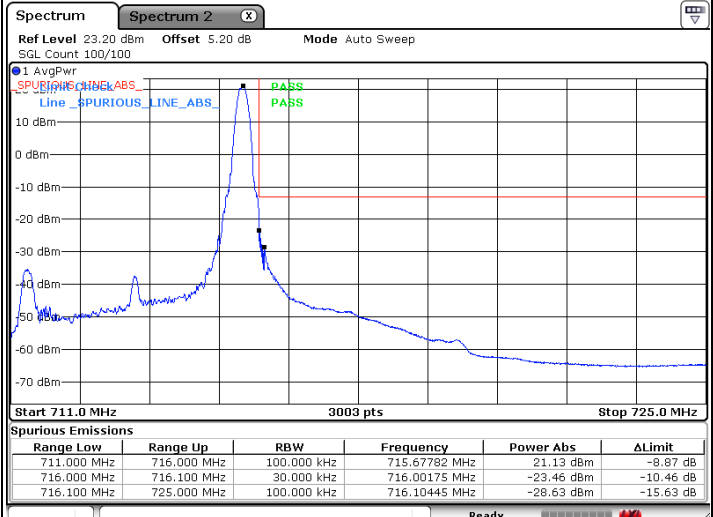


LTE Band 12 / 5MHz / QPSK

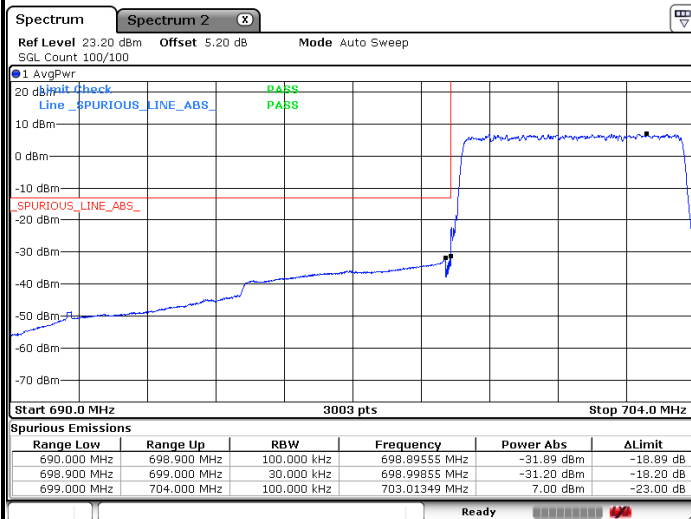
Lowest Band Edge / 1 RB



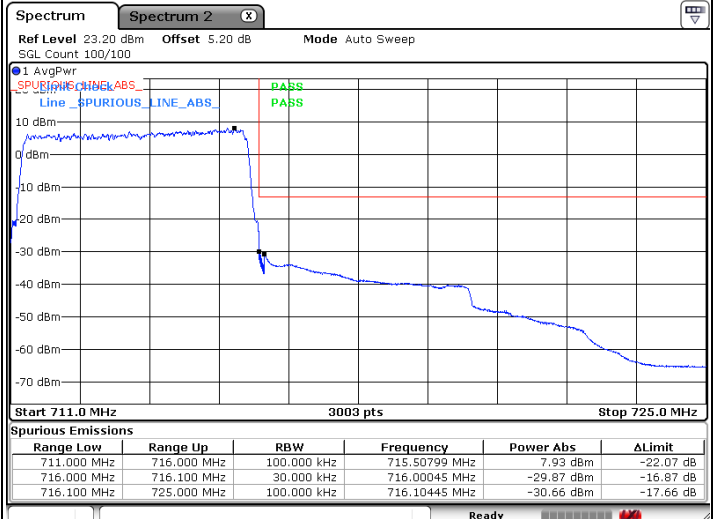
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



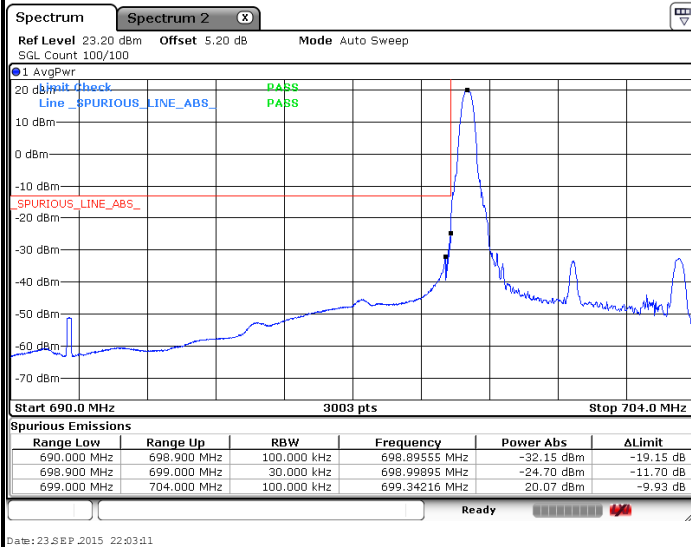
Highest Band Edge / Full RB



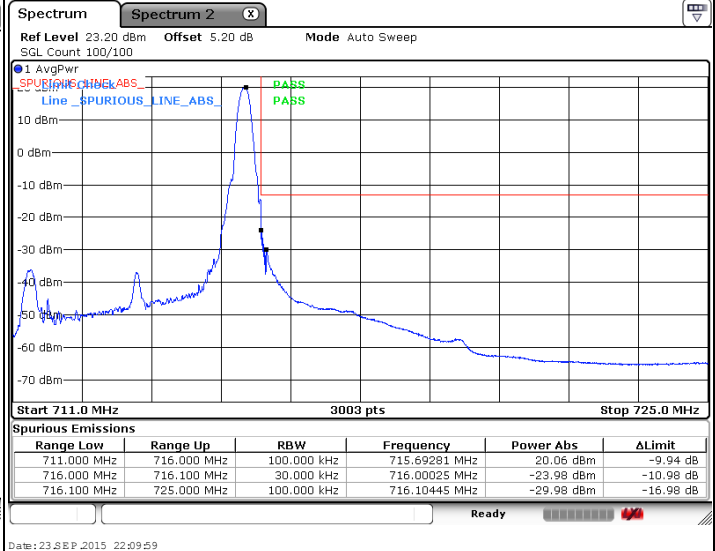


LTE Band 12 / 5MHz / 16QAM

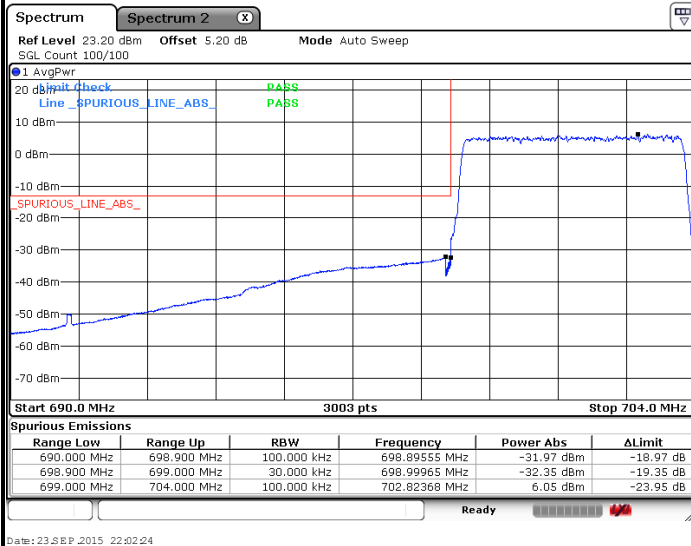
Lowest Band Edge / 1RB



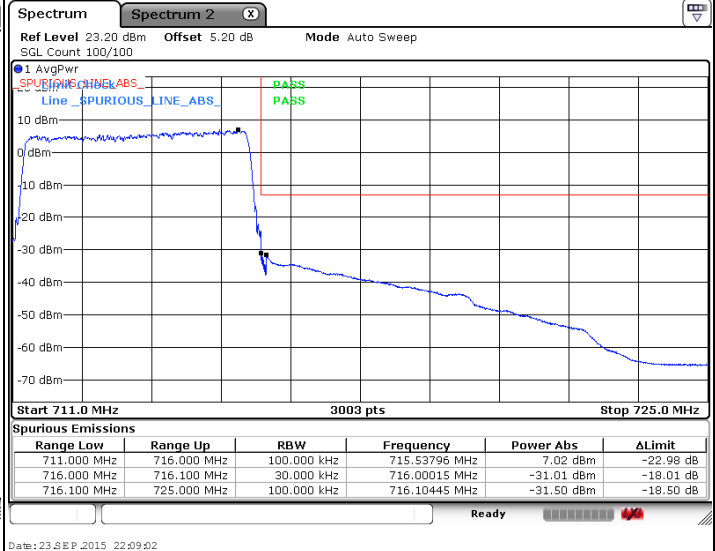
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



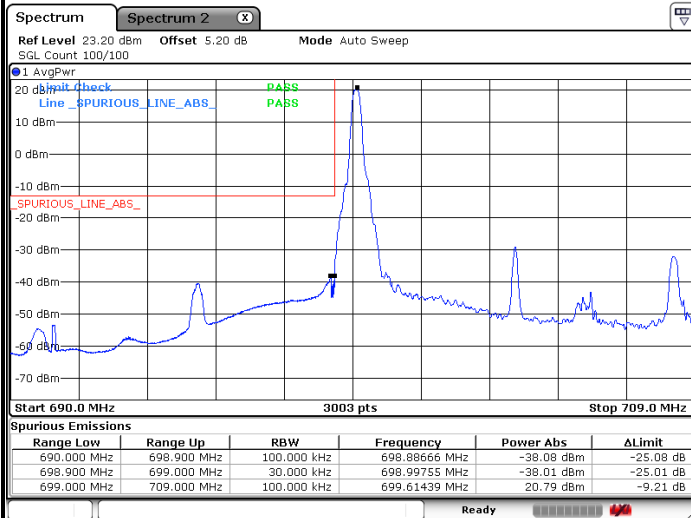
Highest Band Edge / Full RB



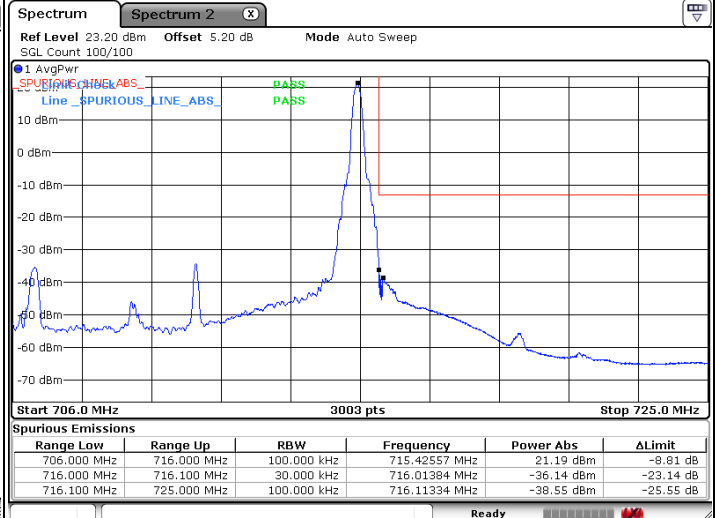


LTE Band 12 / 10MHz / QPSK

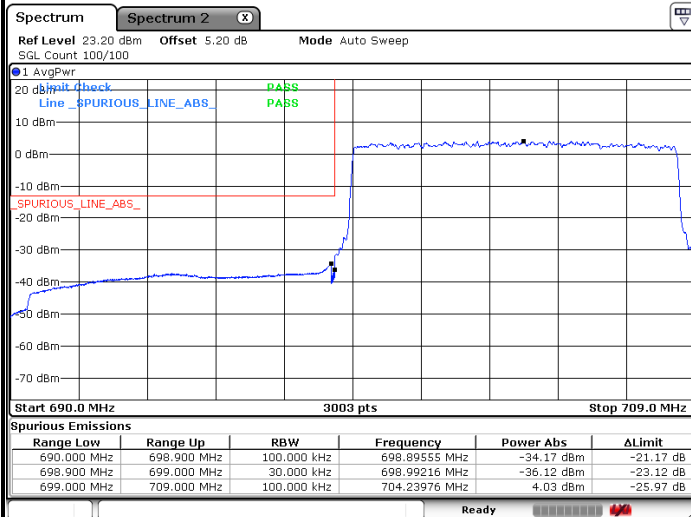
Lowest Band Edge / 1 RB



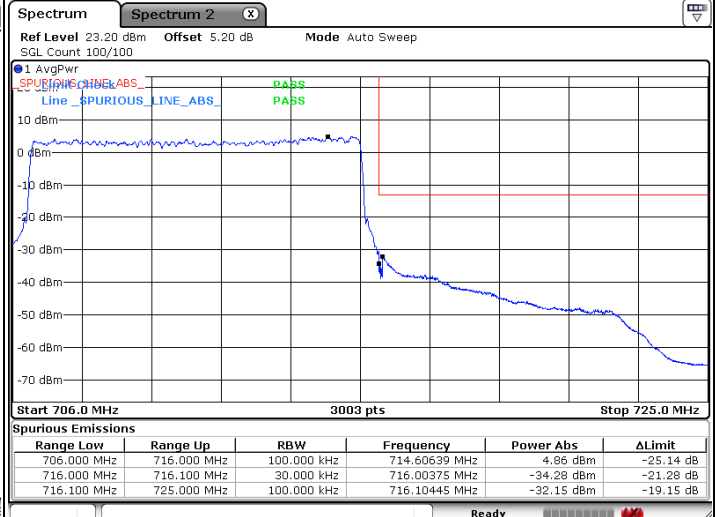
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



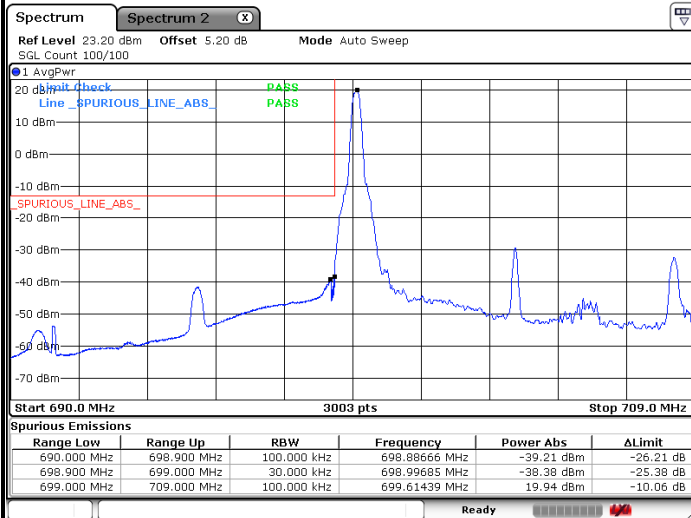
Highest Band Edge / Full RB



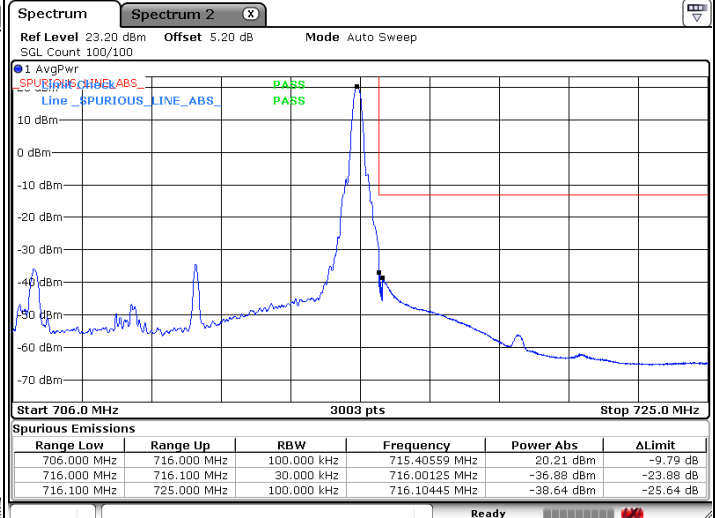


LTE Band 12 / 10MHz / 16QAM

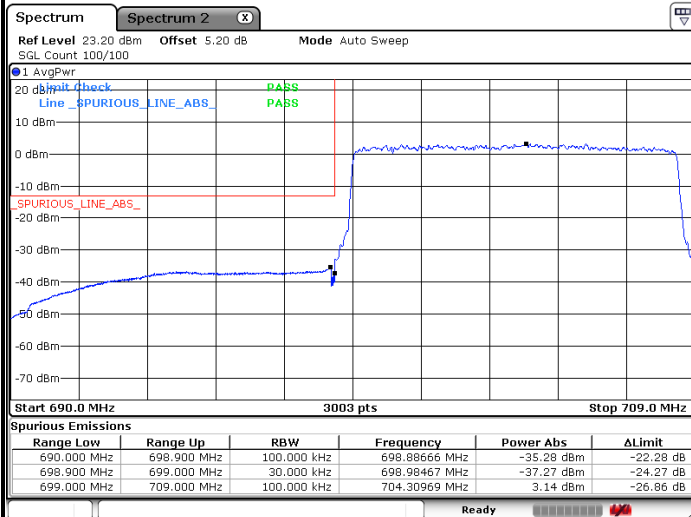
Lowest Band Edge / 1 RB



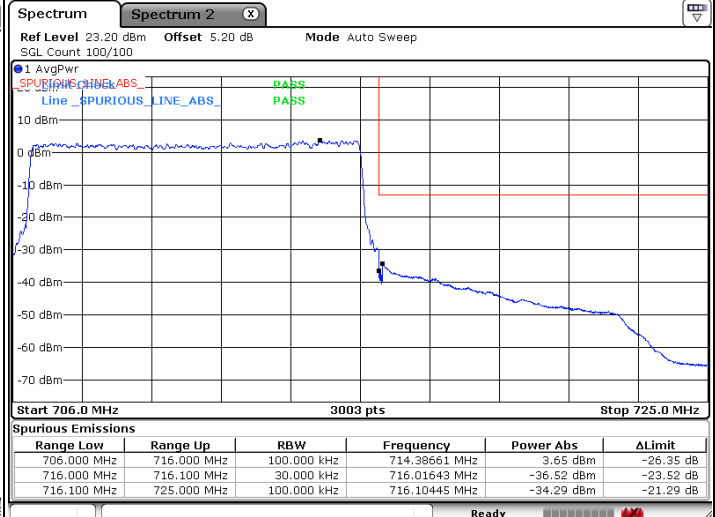
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

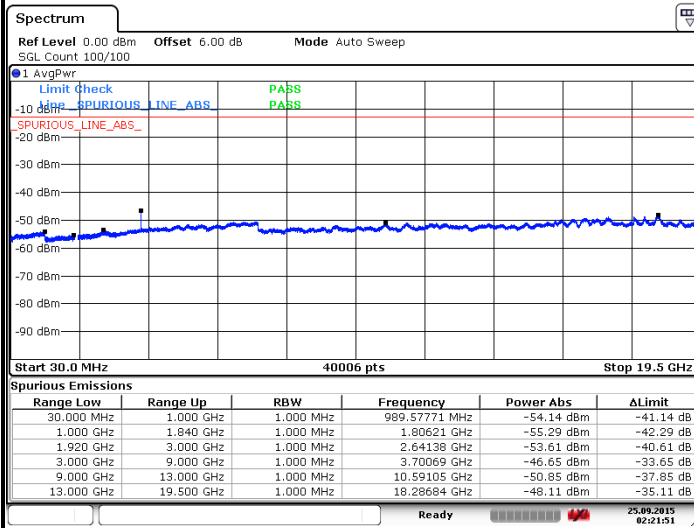




Conducted Spurious Emission

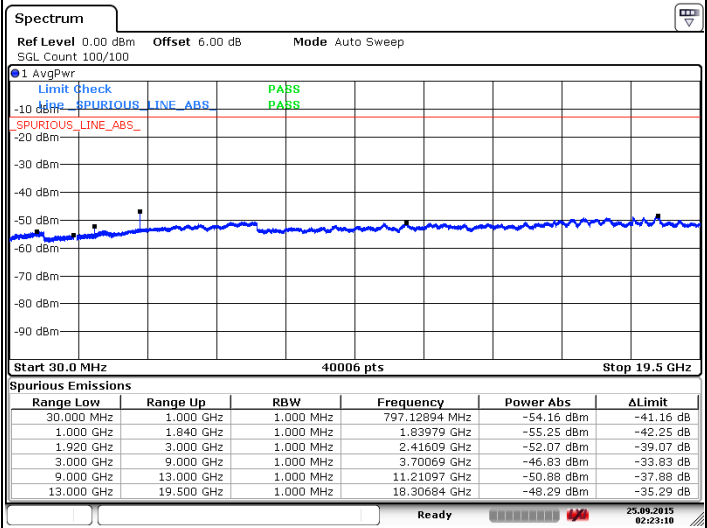
LTE Band 2 / 1.4MHz

Lowest Channel / QPSK



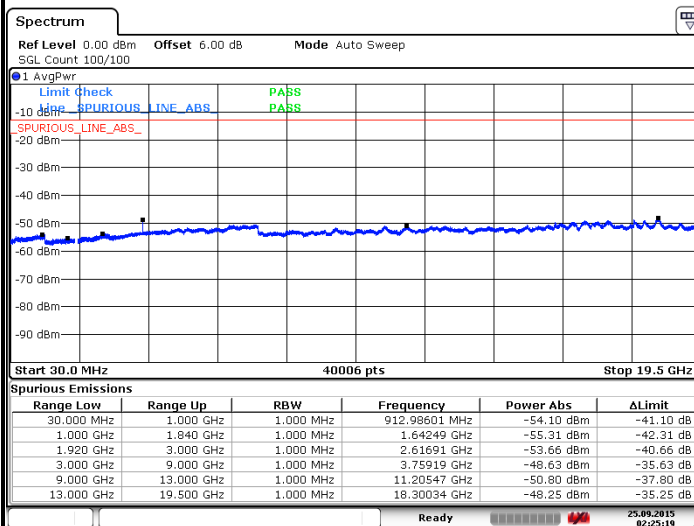
Date: 25 SEP 2015 02:21:52

Lowest Channel / 16QAM



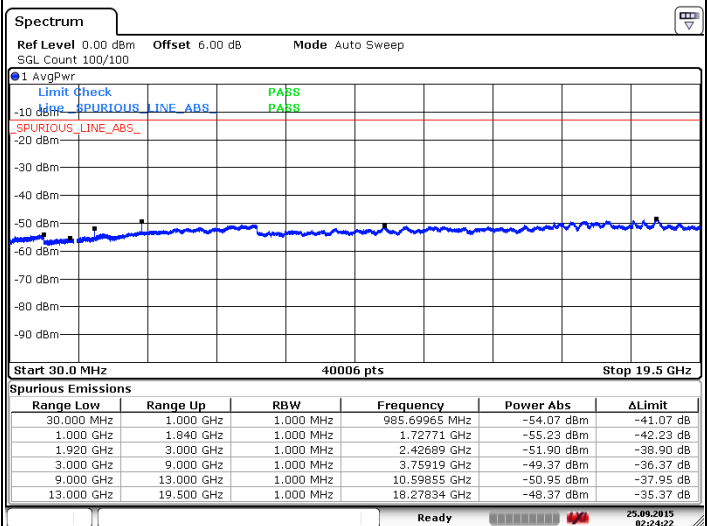
Date: 25 SEP 2015 02:23:09

Middle Channel / QPSK



Date: 25 SEP 2015 02:25:20

Middle Channel / 16QAM

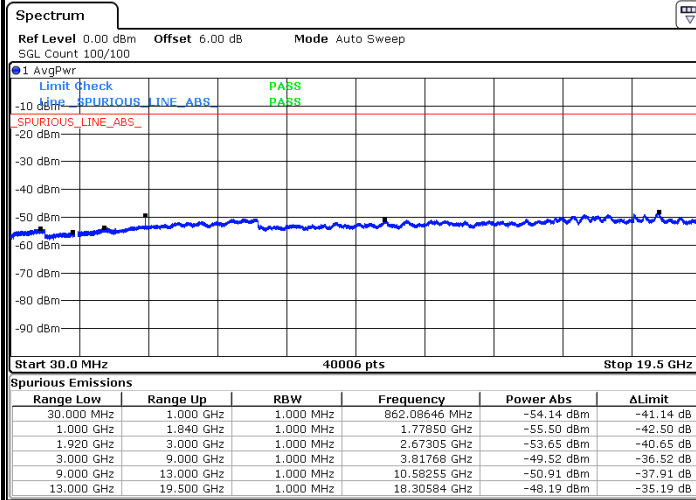


Date: 25 SEP 2015 02:24:22



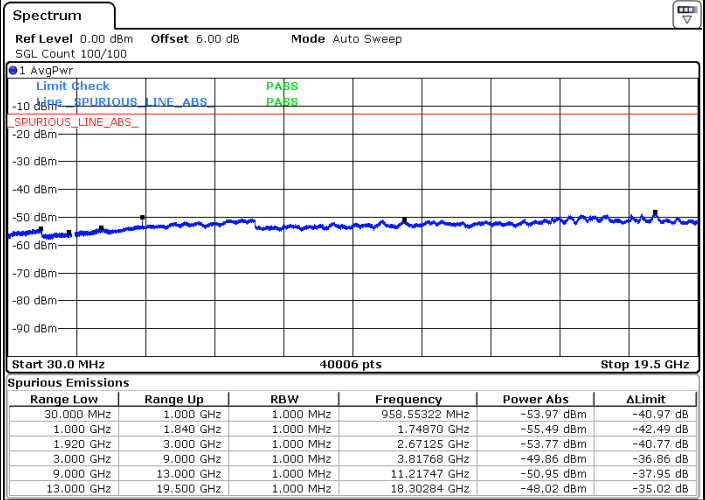
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 25 SEP 2015 02:26:25

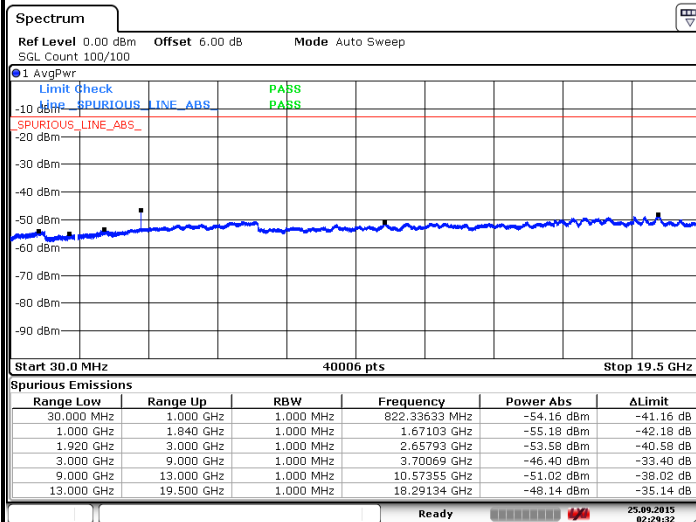
Highest Channel / 16QAM



Date: 25 SEP 2015 02:27:15

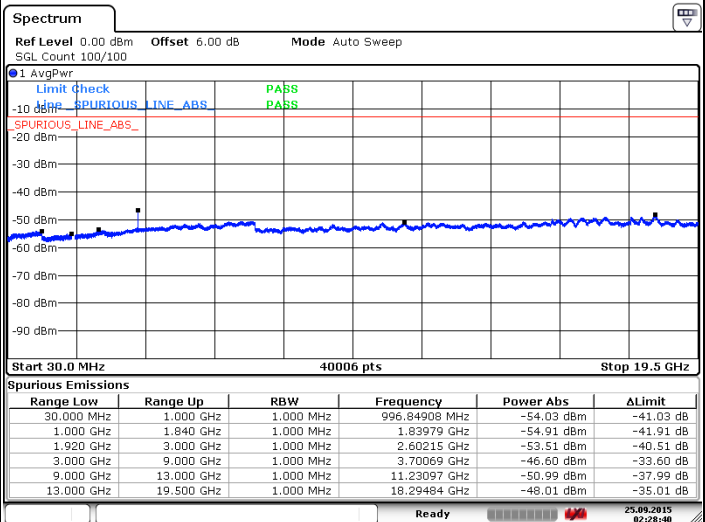
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 25 SEP 2015 02:28:32

Lowest Channel / 16QAM

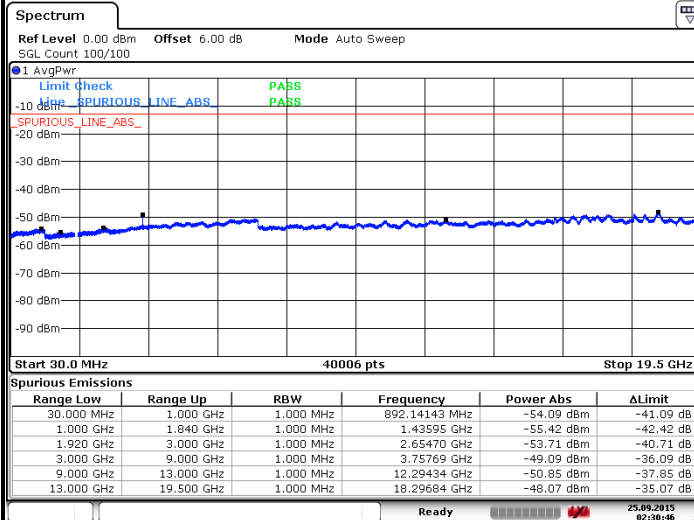


Date: 25 SEP 2015 02:28:40



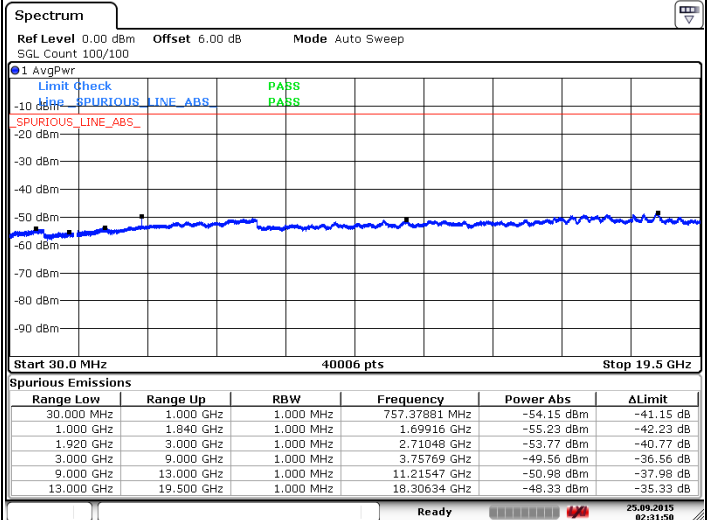
LTE Band 2 / 3MHz

Middle Channel / QPSK



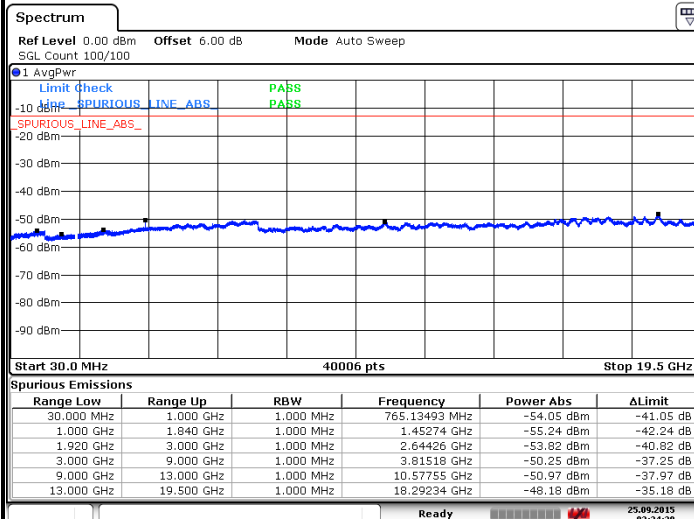
Date: 25 SEP 2015 02:30:46

Middle Channel / 16QAM



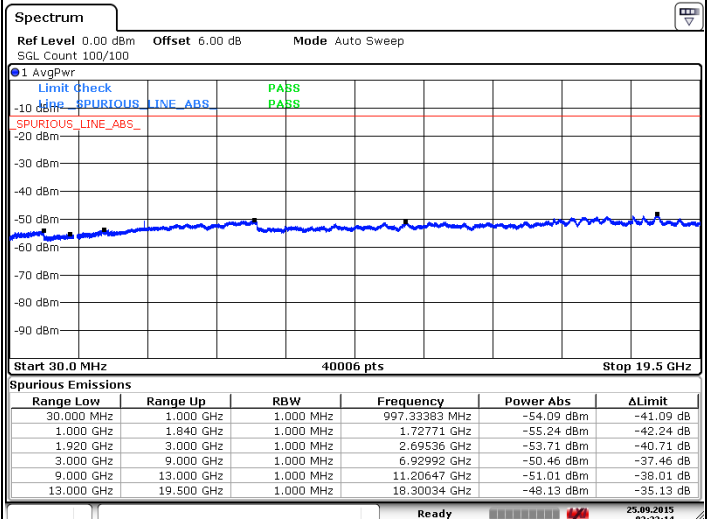
Date: 25 SEP 2015 02:31:50

Highest Channel / QPSK



Date: 25 SEP 2015 02:34:29

Highest Channel / 16QAM

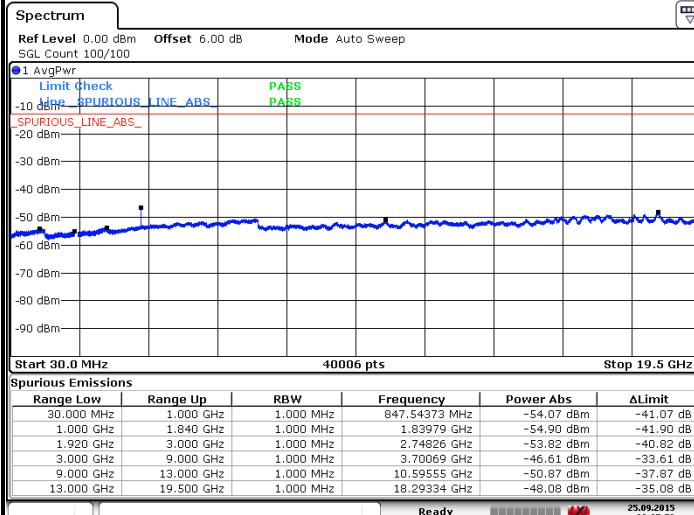


Date: 25 SEP 2015 02:33:14



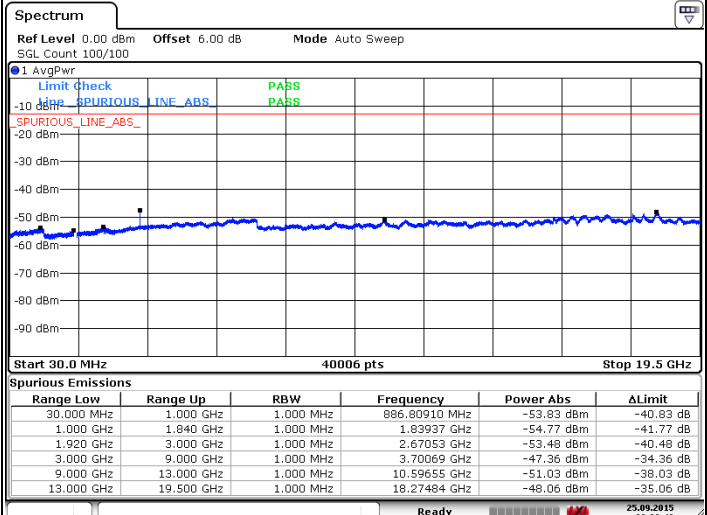
LTE Band 2 / 5MHz

Lowest Channel / QPSK



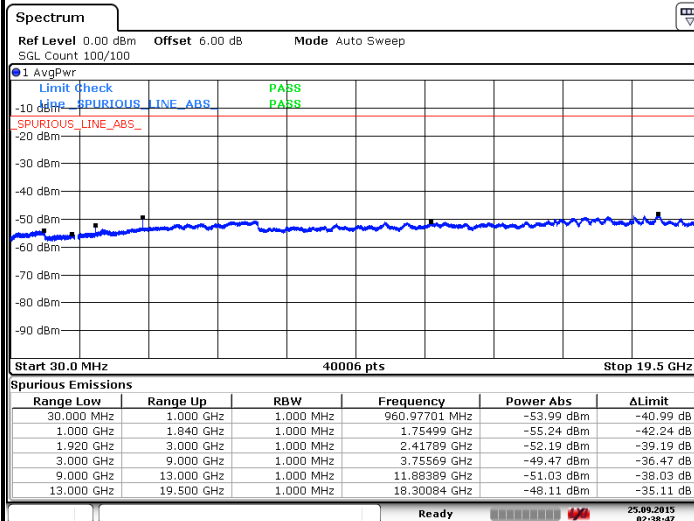
Date: 25 SEP 2015 02:35:52

Lowest Channel / 16QAM



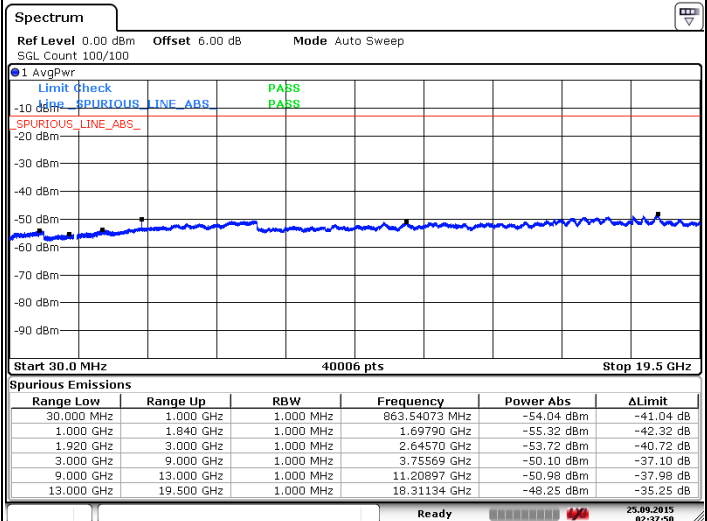
Date: 25 SEP 2015 02:36:46

Middle Channel / QPSK



Date: 25 SEP 2015 02:38:47

Middle Channel / 16QAM

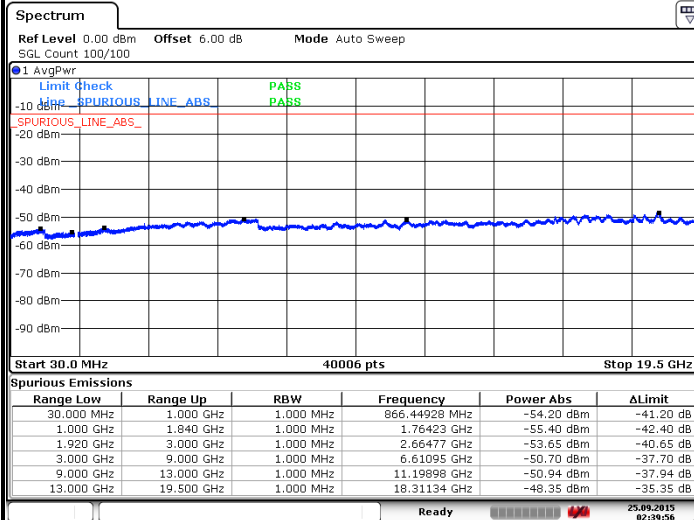


Date: 25 SEP 2015 02:37:50



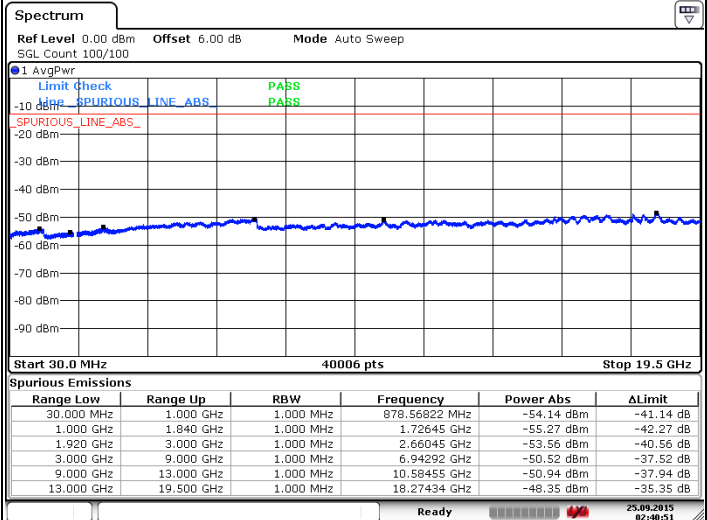
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 25 SEP 2015 02:39:56

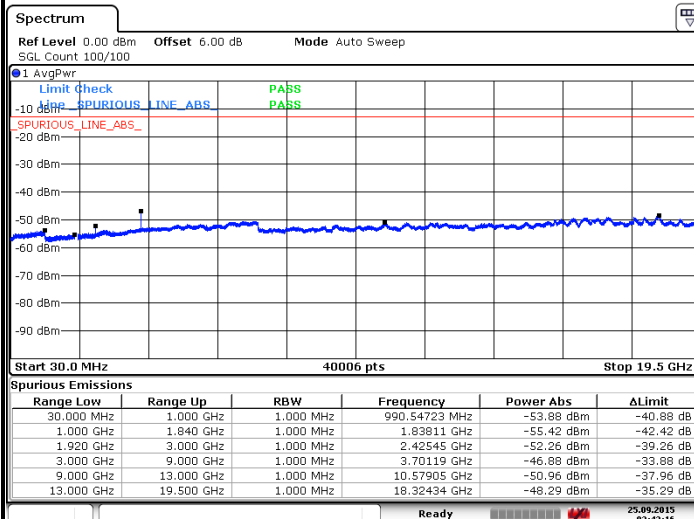
Highest Channel / 16QAM



Date: 25 SEP 2015 02:40:51

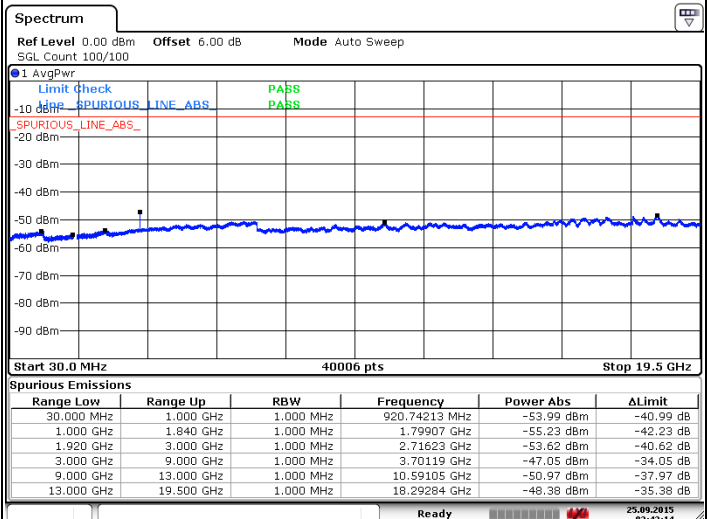
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 25 SEP 2015 02:43:16

Lowest Channel / 16QAM

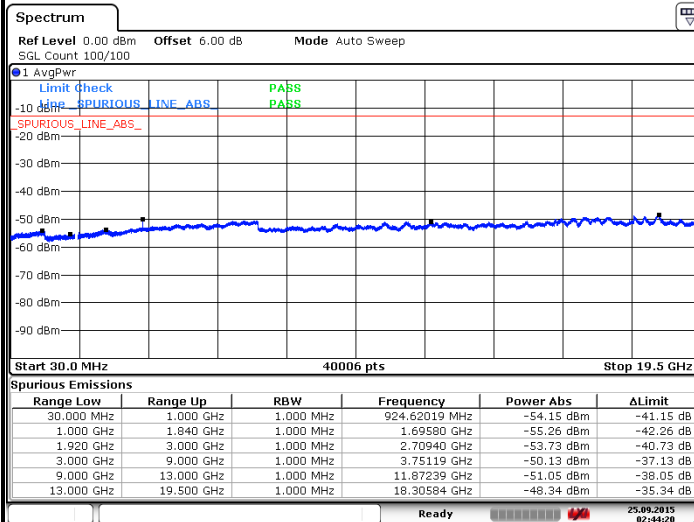


Date: 25 SEP 2015 02:42:15



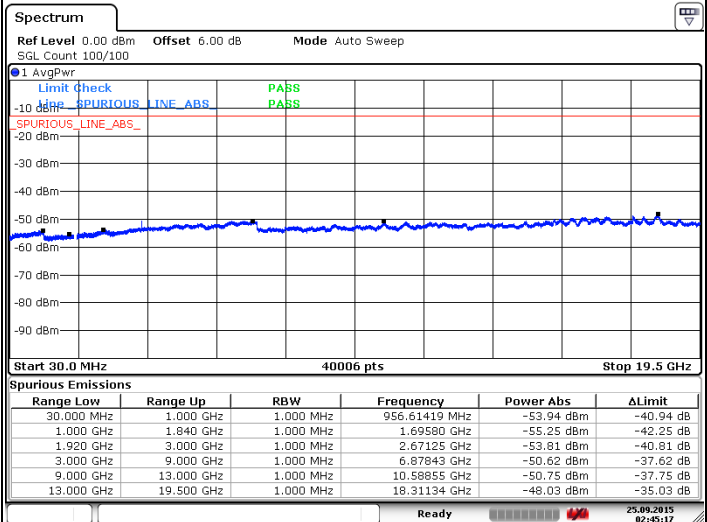
LTE Band 2 / 10MHz

Middle Channel / QPSK



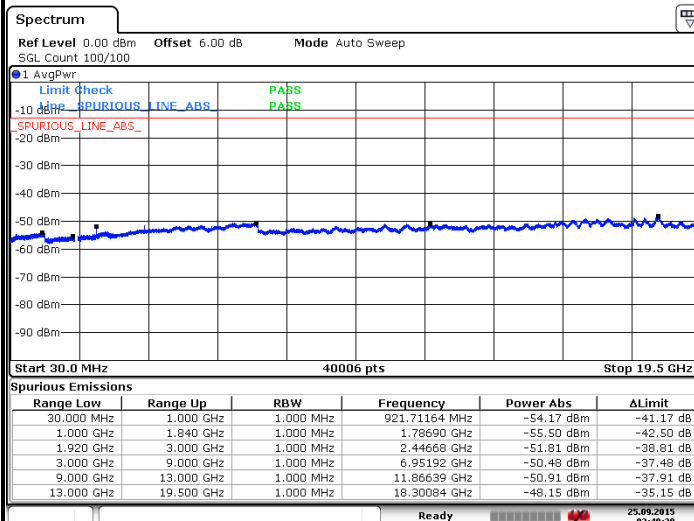
Date: 25 SEP 2015 02:44:20

Middle Channel / 16QAM



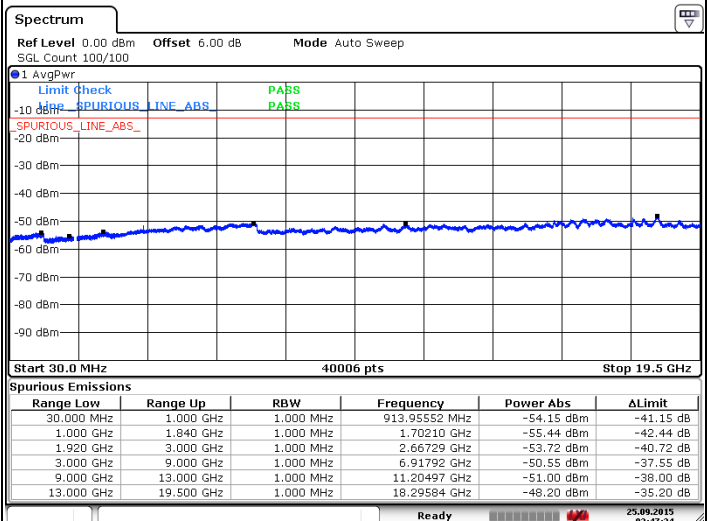
Date: 25 SEP 2015 02:45:16

Highest Channel / QPSK



Date: 25 SEP 2015 02:48:30

Highest Channel / 16QAM

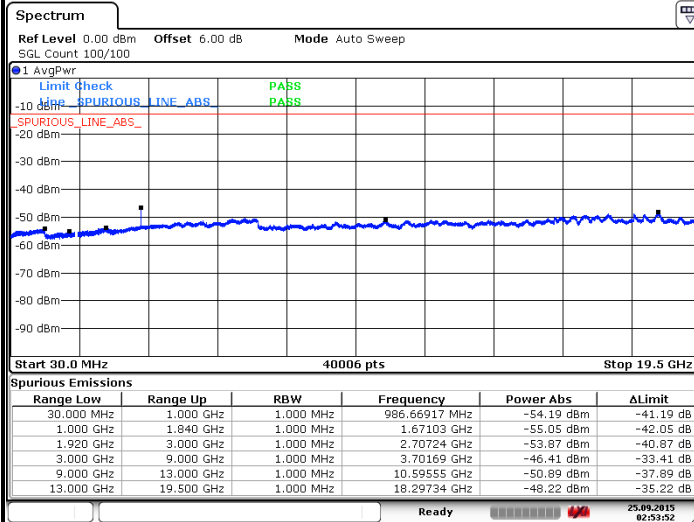


Date: 25 SEP 2015 02:47:24



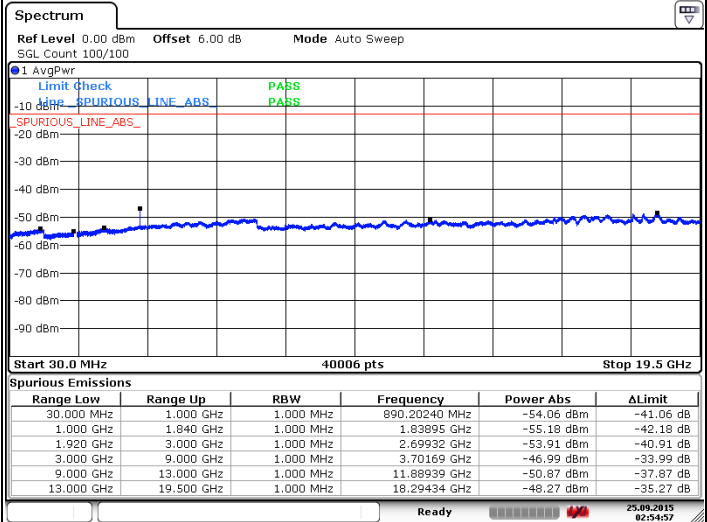
LTE Band 2 / 15MHz

Lowest Channel / QPSK



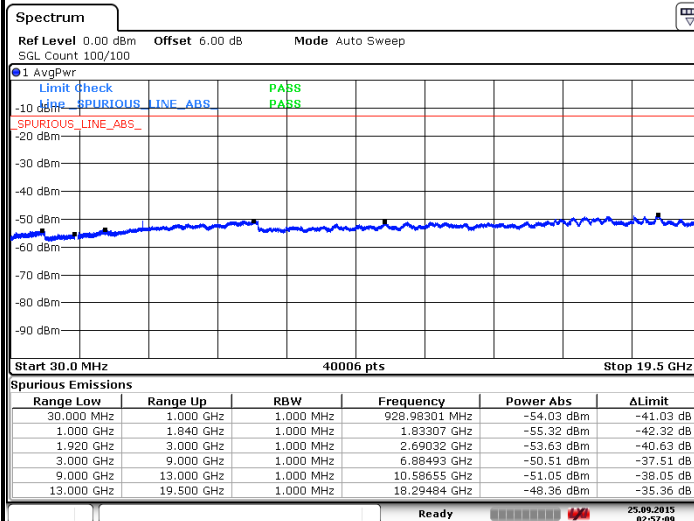
Date: 25 SEP 2015 02:53:52

Lowest Channel / 16QAM



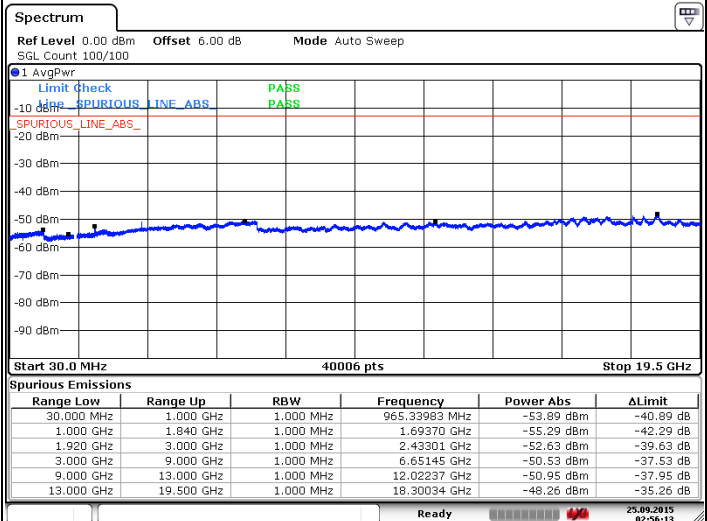
Date: 25 SEP 2015 02:54:57

Middle Channel / QPSK



Date: 25 SEP 2015 02:57:09

Middle Channel / 16QAM

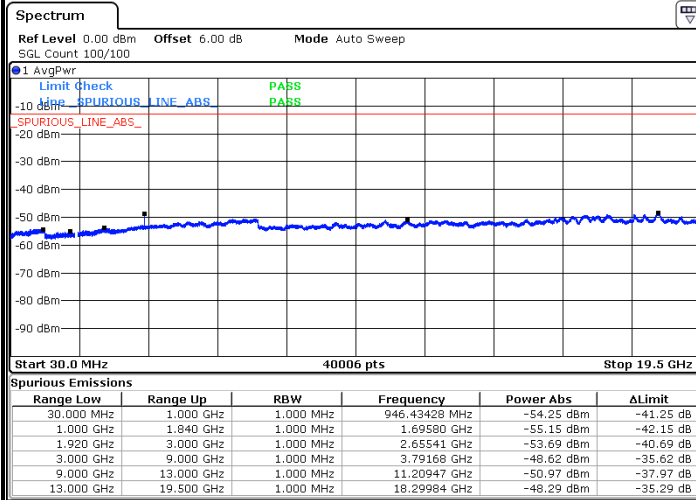


Date: 25 SEP 2015 02:56:12



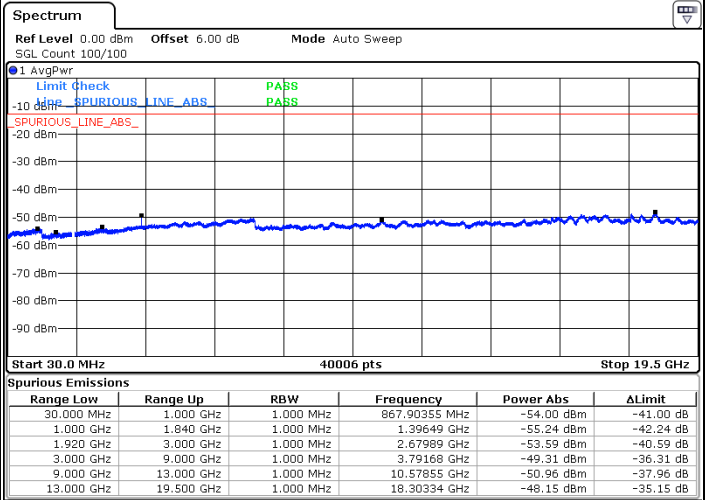
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 25 SEP 2015 02:58:21

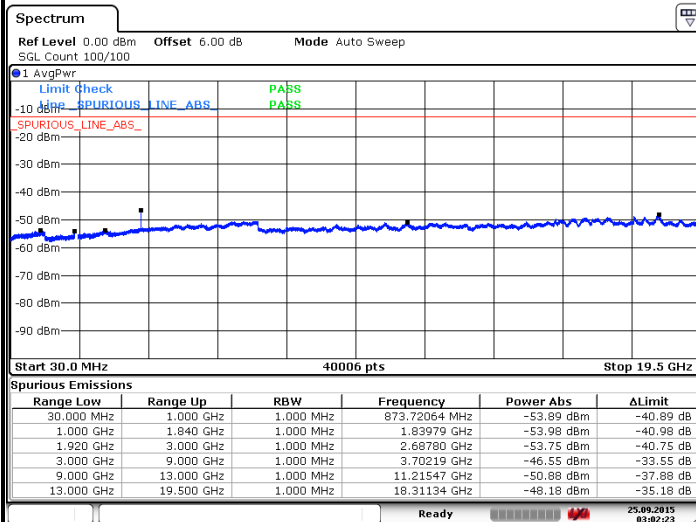
Highest Channel / 16QAM



Date: 25 SEP 2015 02:59:24

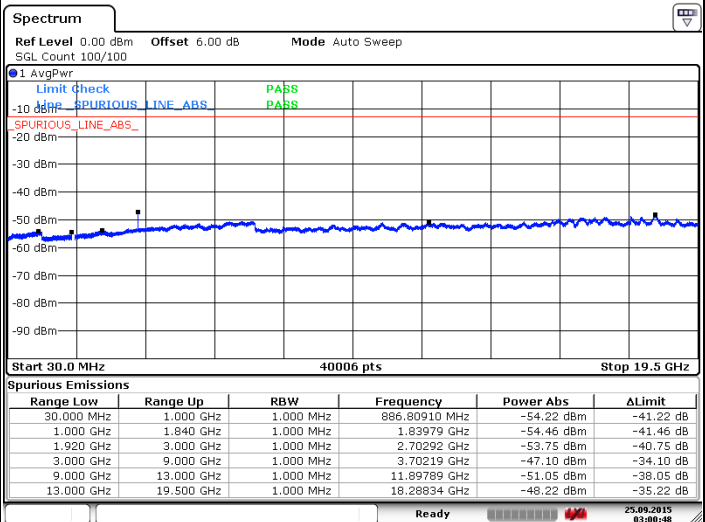
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 25 SEP 2015 03:02:23

Lowest Channel / 16QAM

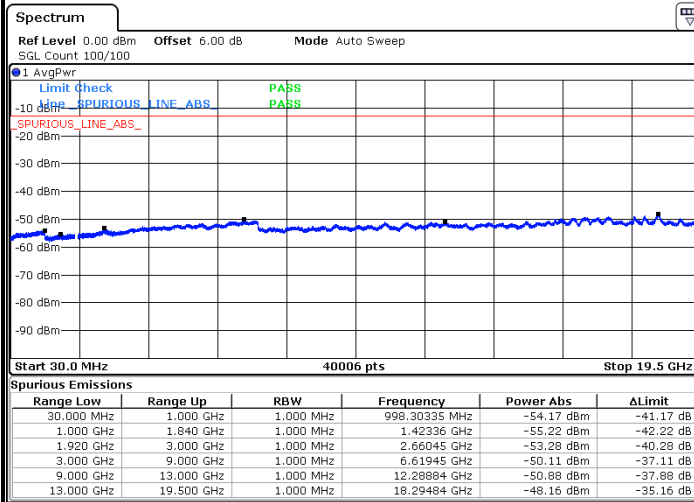


Date: 25 SEP 2015 03:00:48



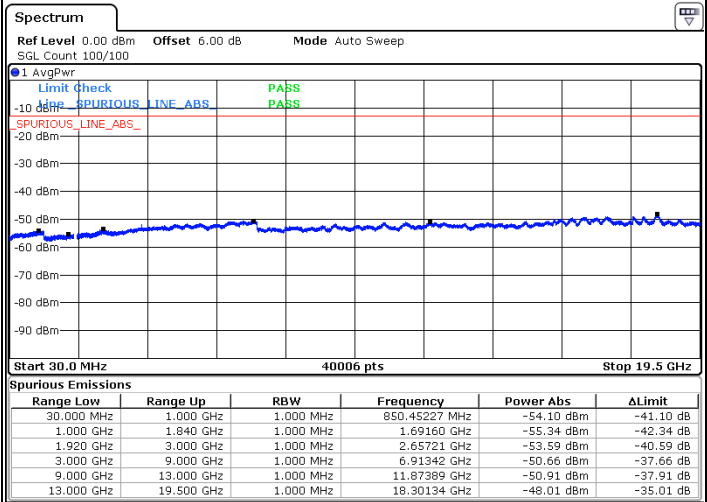
LTE Band 2 / 20MHz

Middle Channel / QPSK



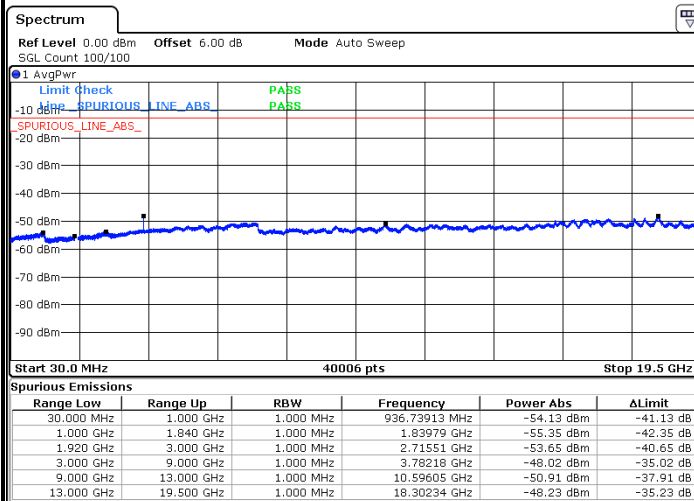
Date: 25 SEP 2015 03:03:24

Middle Channel / 16QAM



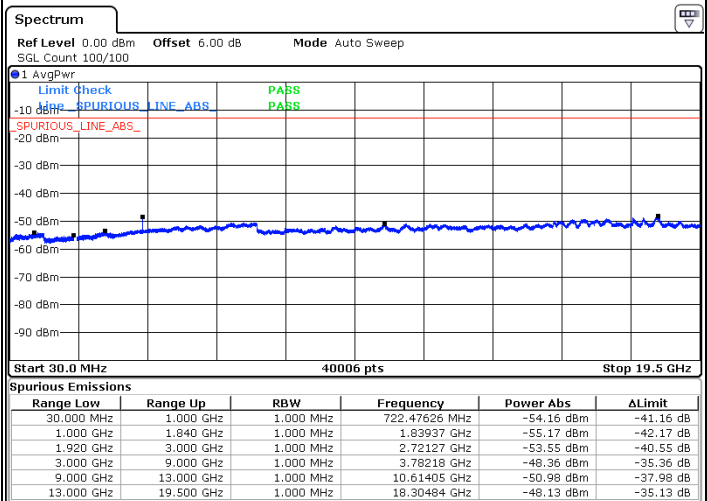
Date: 25 SEP 2015 03:04:15

Highest Channel / QPSK



Date: 25 SEP 2015 03:06:50

Highest Channel / 16QAM

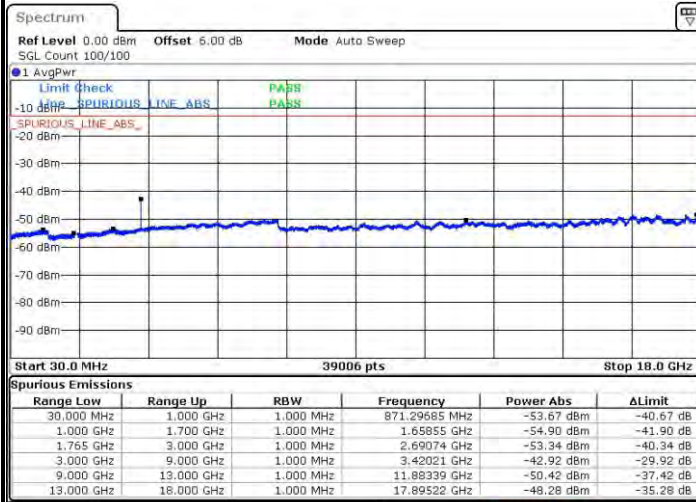


Date: 25 SEP 2015 03:05:25



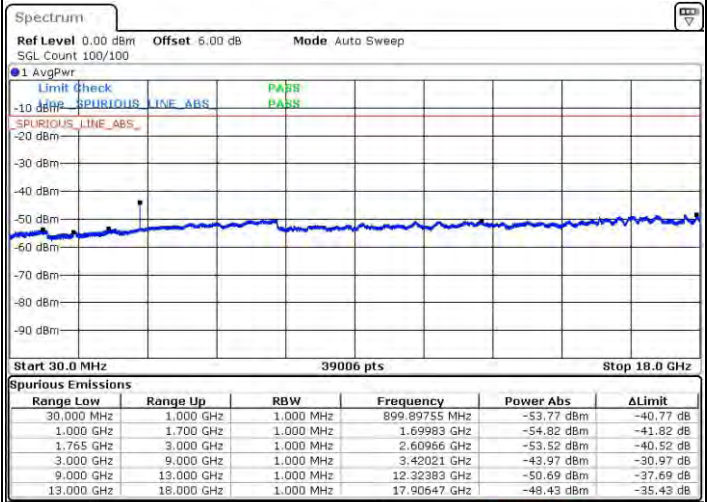
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



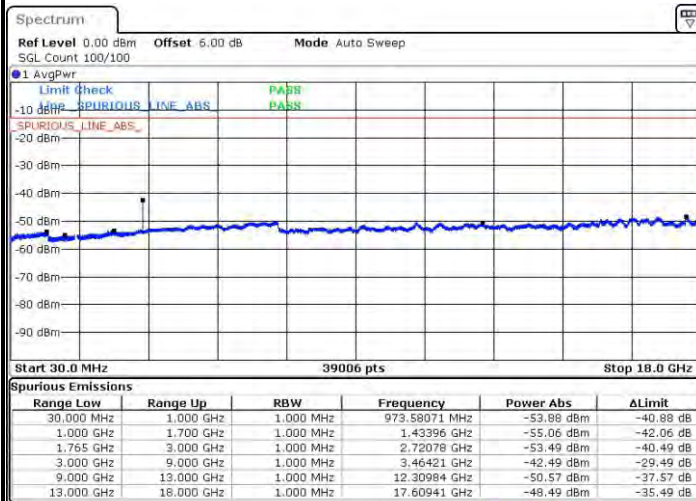
Date: 27 SEP 2015 14:21:05

Lowest Channel / 16QAM



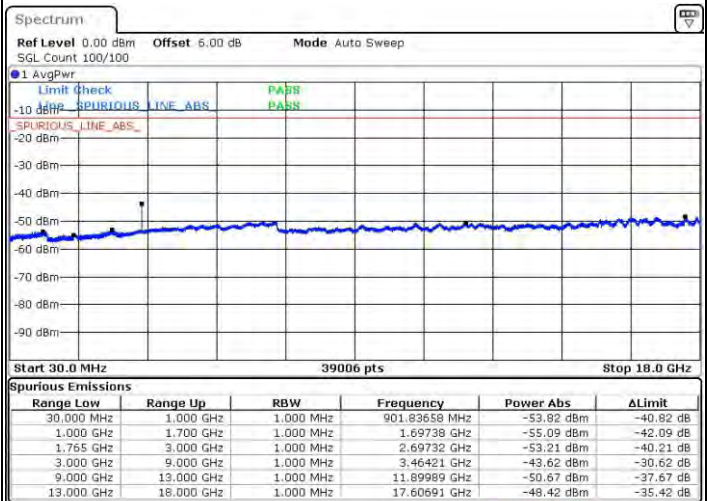
Date: 27 SEP 2015 14:20:14

Middle Channel / QPSK



Date: 27 SEP 2015 14:18:14

Middle Channel / 16QAM

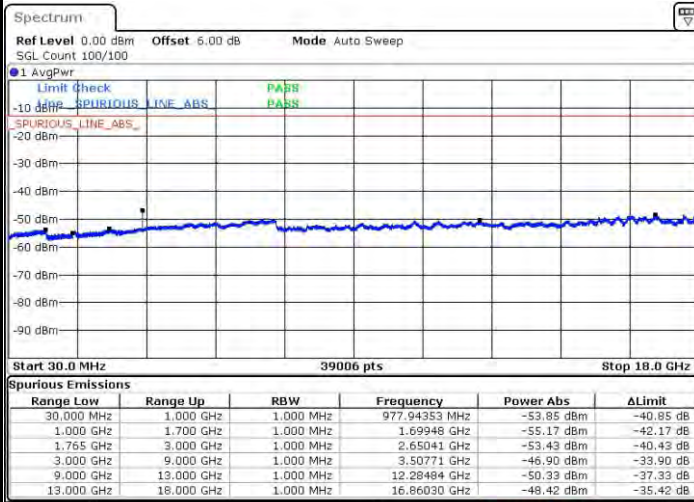


Date: 27 SEP 2015 14:19:10



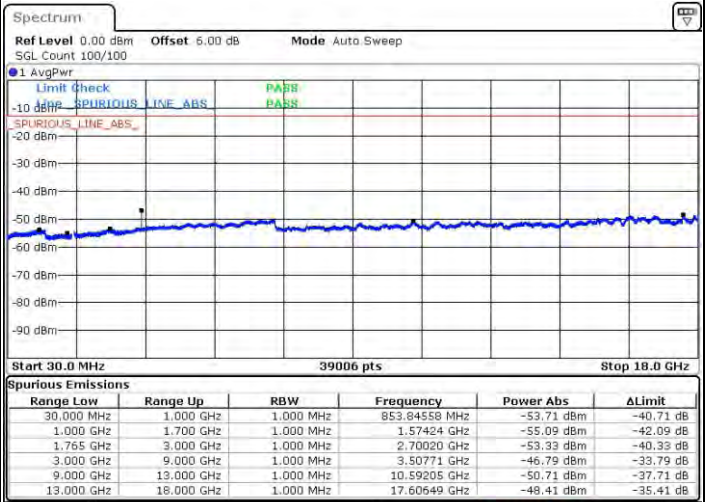
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 27 SEP 2015 14:17:07

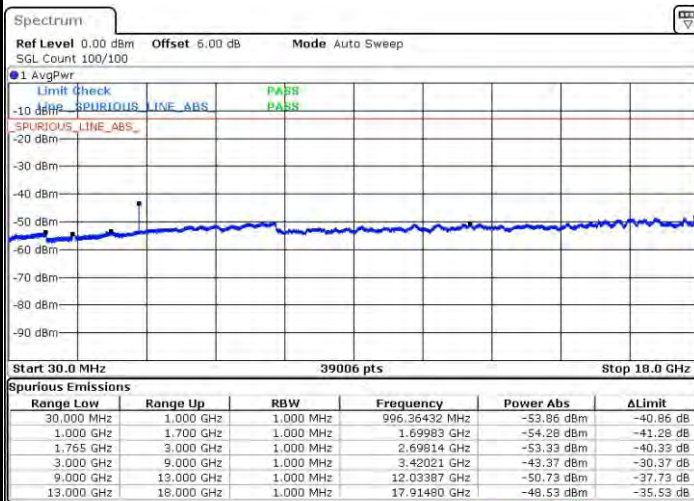
Highest Channel / 16QAM



Date: 27 SEP 2015 14:16:19

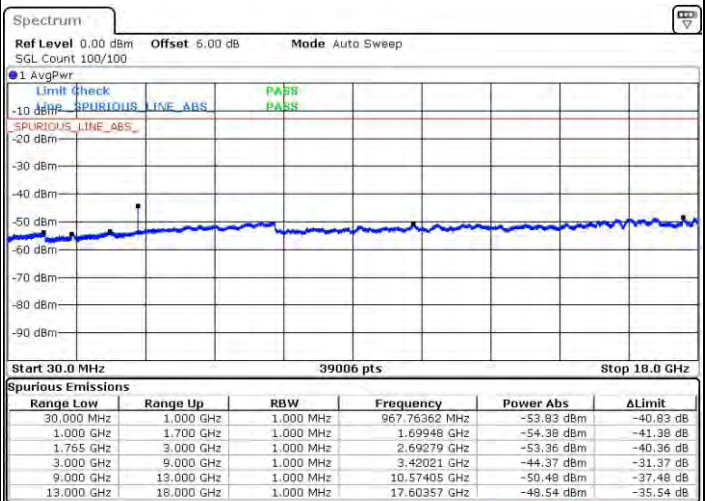
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 27 SEP 2015 11:27:25

Lowest Channel / 16QAM

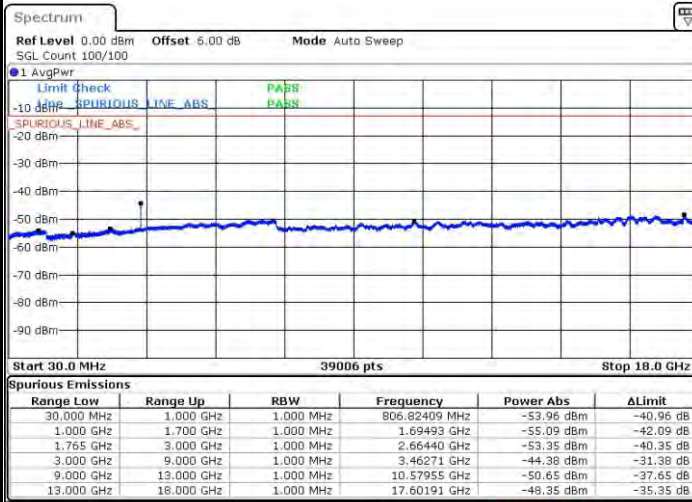


Date: 27 SEP 2015 11:28:18



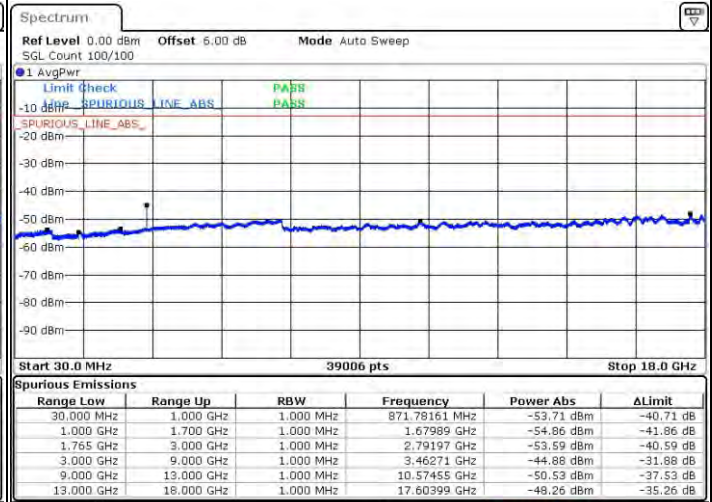
LTE Band 4 / 3MHz

Middle Channel / QPSK



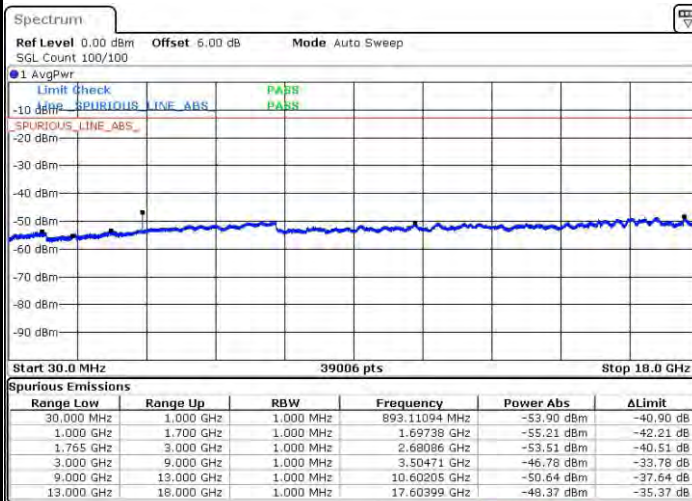
Date: 27 SEP 2015 11:29:54

Middle Channel / 16QAM



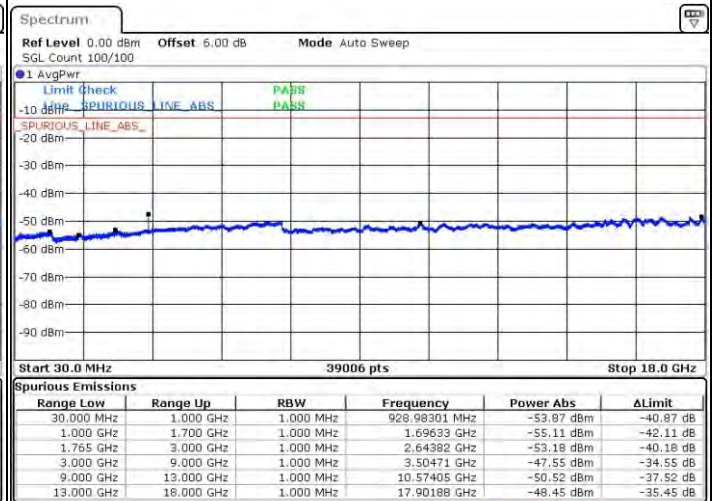
Date: 27 SEP 2015 11:30:48

Highest Channel / QPSK



Date: 27 SEP 2015 11:36:59

Highest Channel / 16QAM

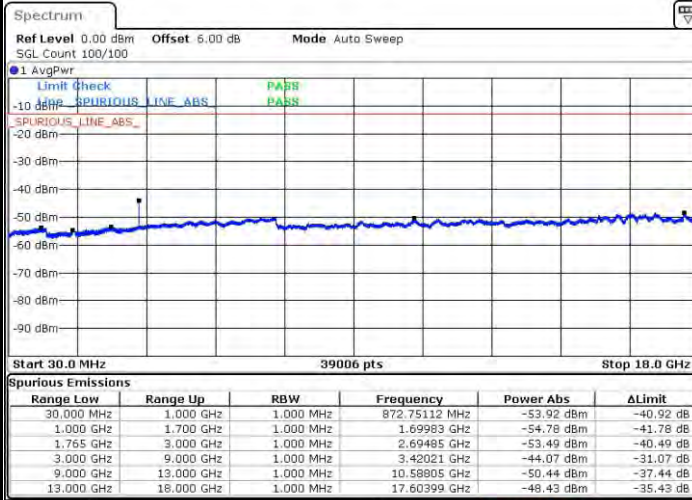


Date: 27 SEP 2015 11:37:52



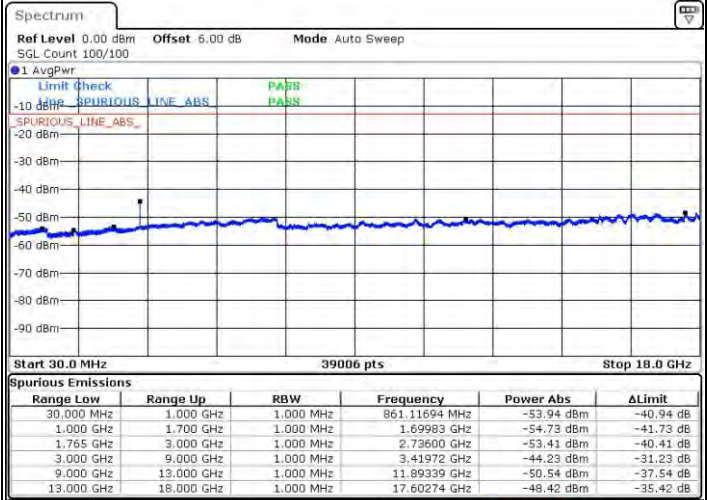
LTE Band 4 / 5MHz

Lowest Channel / QPSK



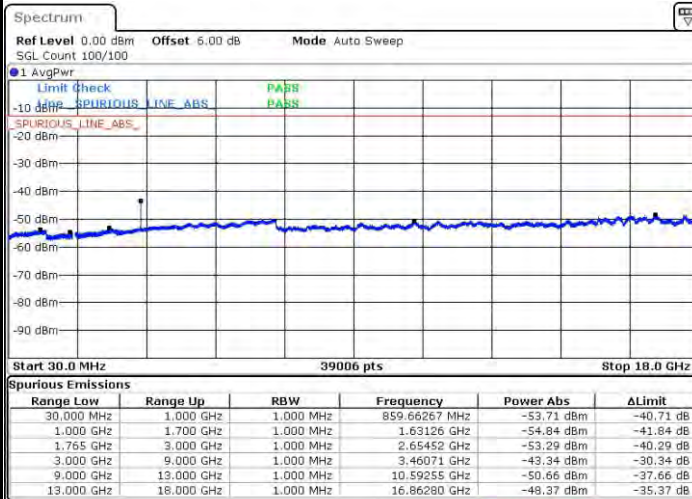
Date: 27 SEP 2015 11:44:03

Lowest Channel / 16QAM



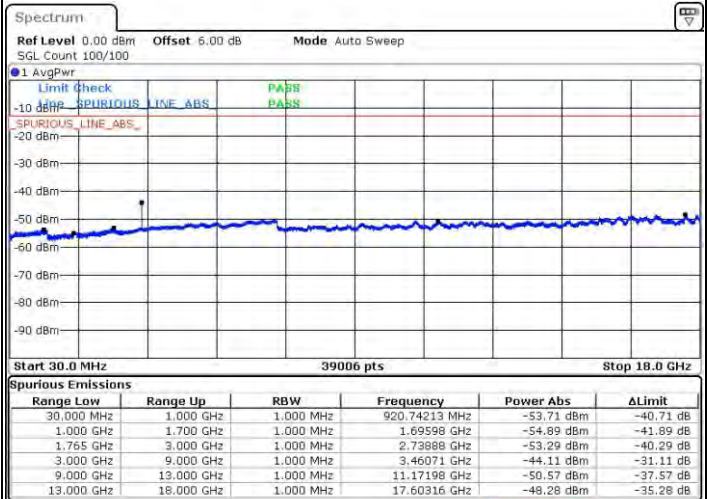
Date: 27 SEP 2015 11:44:56

Middle Channel / QPSK



Date: 27 SEP 2015 11:46:32

Middle Channel / 16QAM

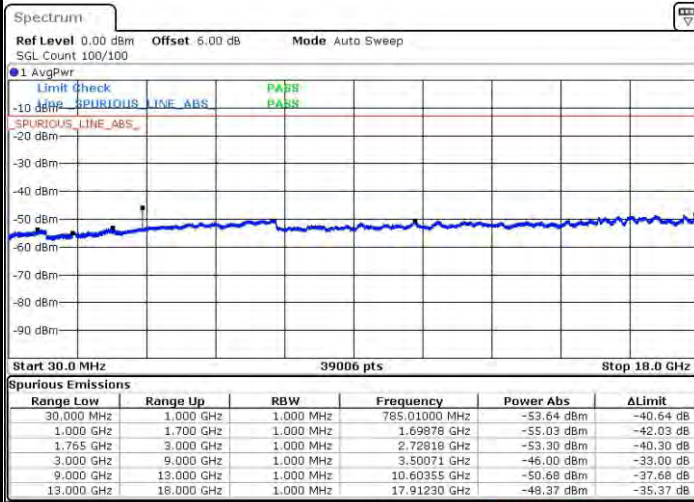


Date: 27 SEP 2015 11:47:26



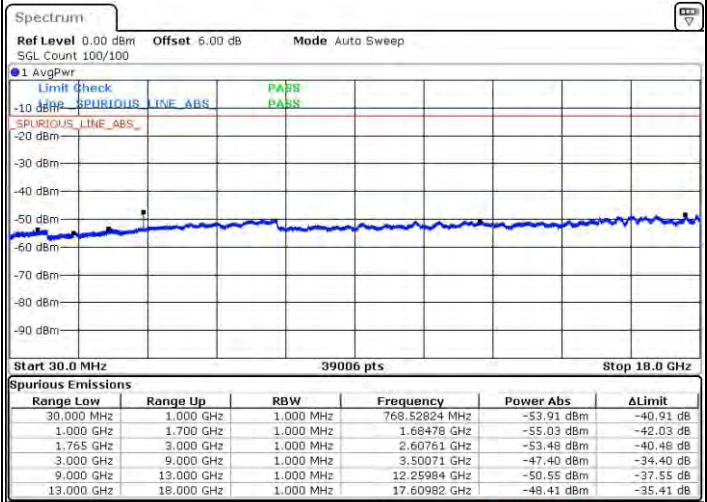
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 27 SEP 2015 11:53:36

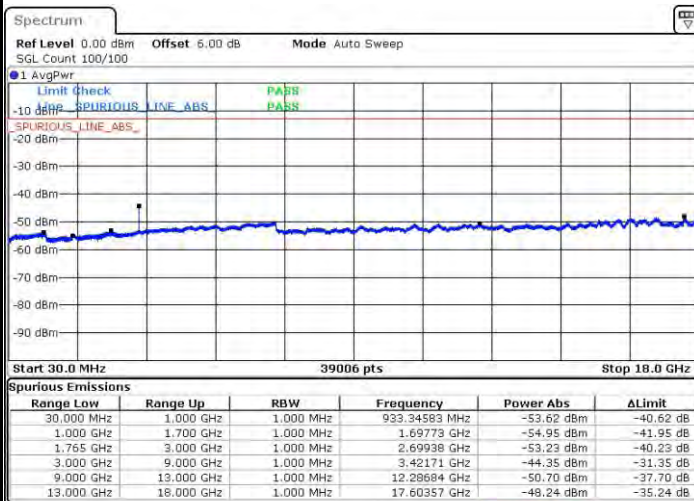
Highest Channel / 16QAM



Date: 27 SEP 2015 11:54:30

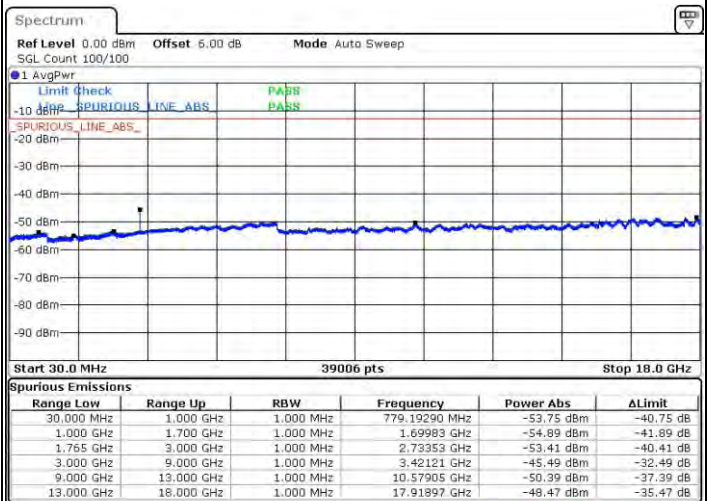
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 27 SEP 2015 12:00:41

Lowest Channel / 16QAM

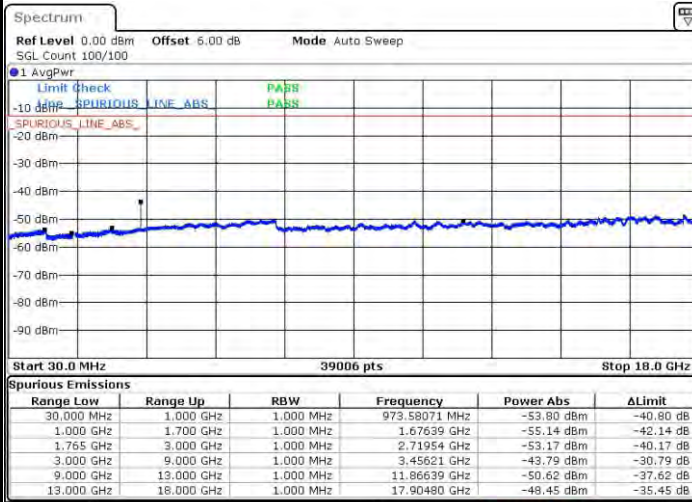


Date: 27 SEP 2015 12:01:34



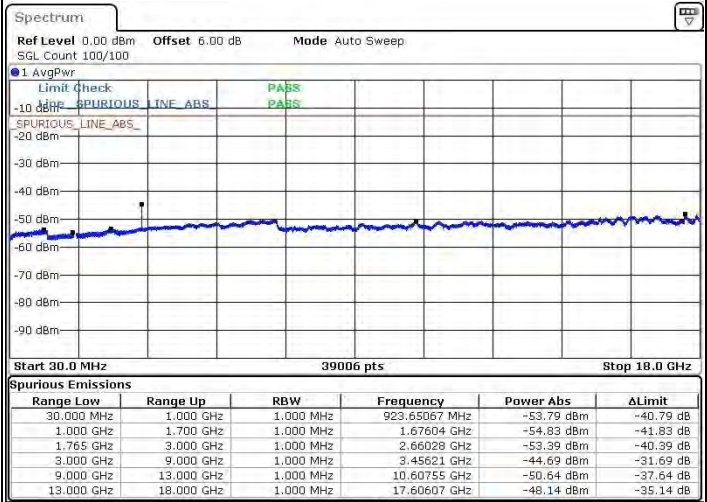
LTE Band 4 / 10MHz

Middle Channel / QPSK



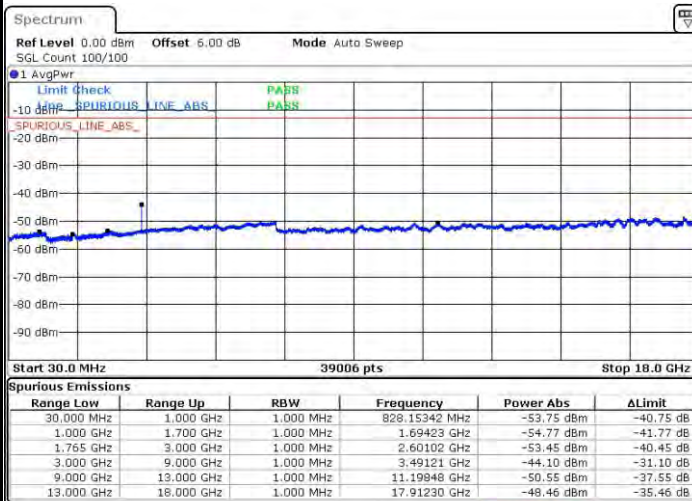
Date: 27 SEP 2015 12:03:15

Middle Channel / 16QAM



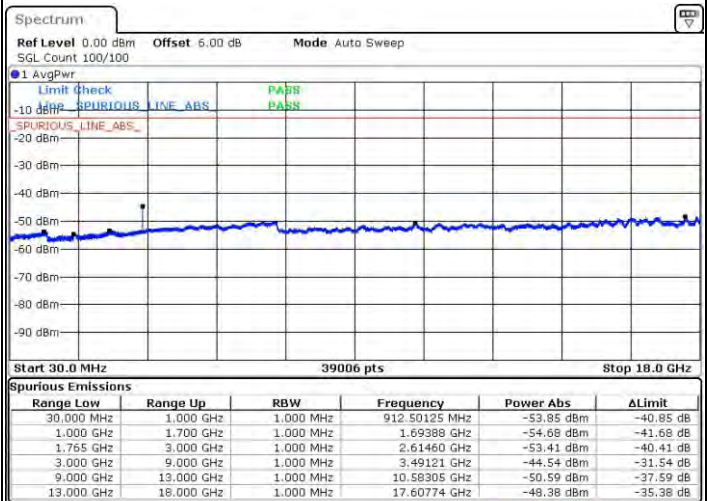
Date: 27 SEP 2015 12:04:09

Highest Channel / QPSK



Date: 27 SEP 2015 12:10:25

Highest Channel / 16QAM

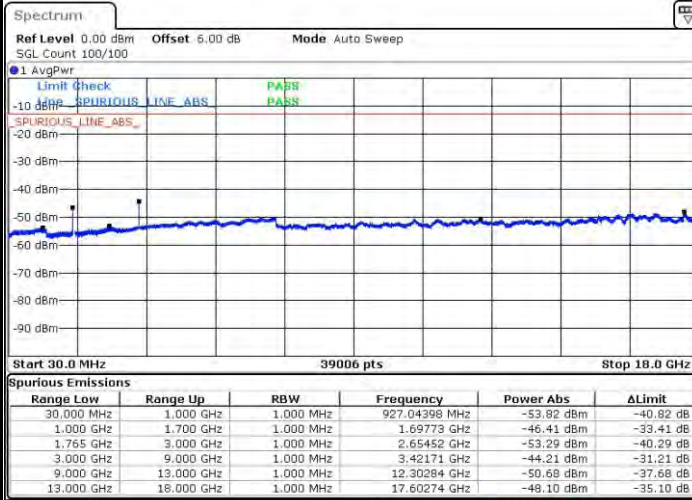


Date: 27 SEP 2015 12:11:19



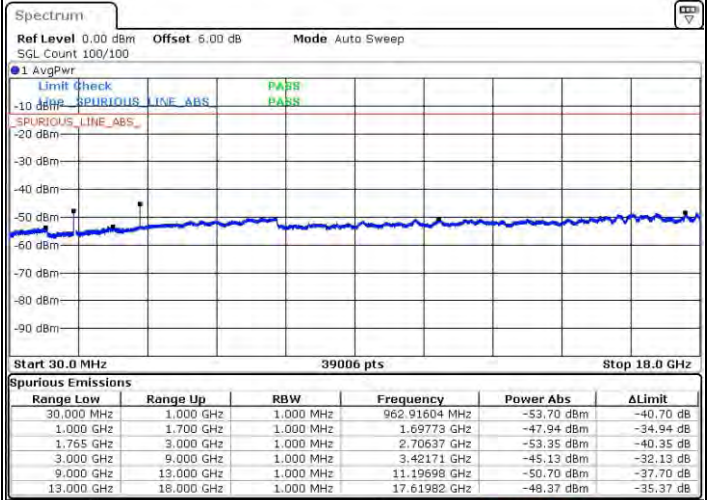
LTE Band 4 / 15MHz

Lowest Channel / QPSK



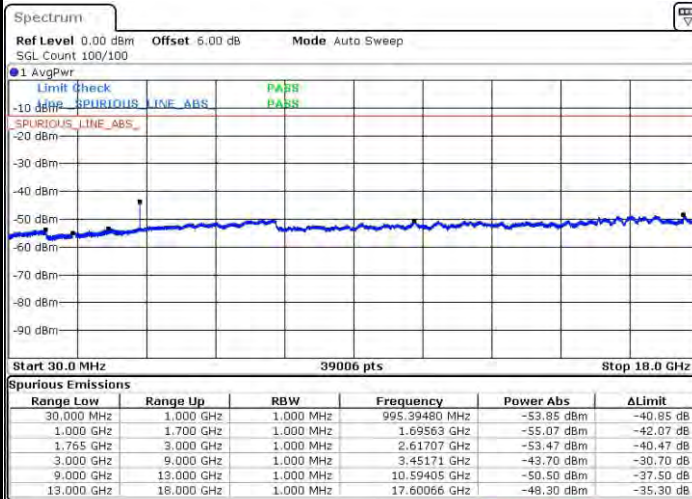
Date: 27 SEP 2015 12:17:29

Lowest Channel / 16QAM



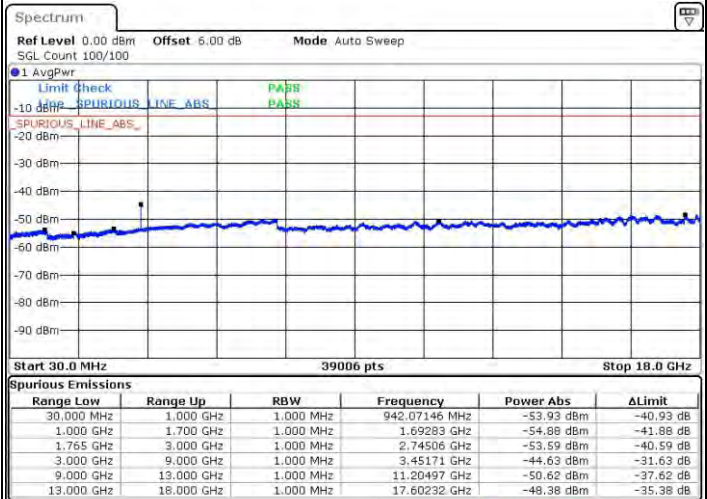
Date: 27 SEP 2015 12:18:23

Middle Channel / QPSK



Date: 27 SEP 2015 12:19:59

Middle Channel / 16QAM

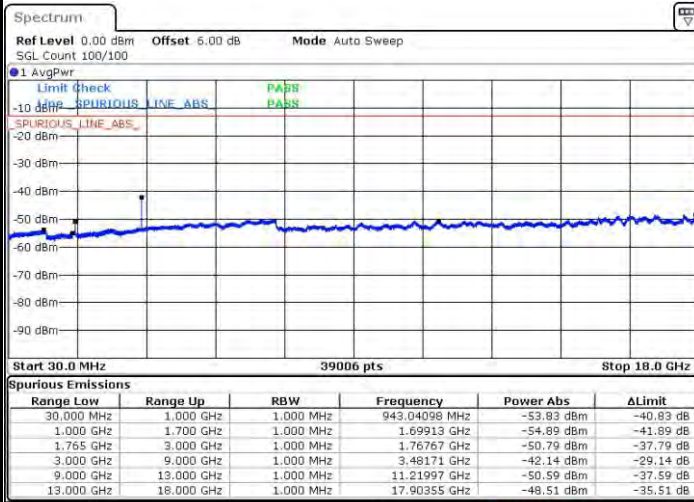


Date: 27 SEP 2015 12:20:52



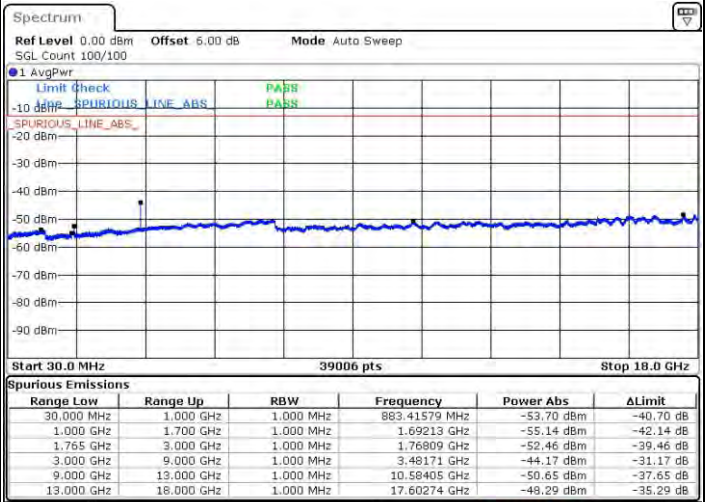
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 27 SEP 2015 12:27:03

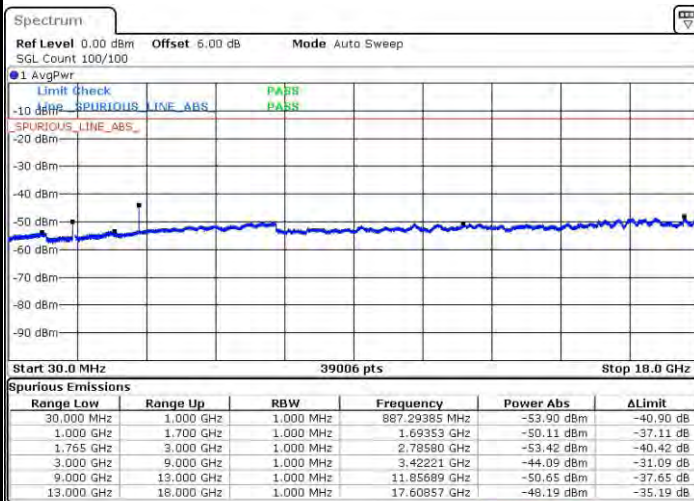
Highest Channel / 16QAM



Date: 27 SEP 2015 12:27:57

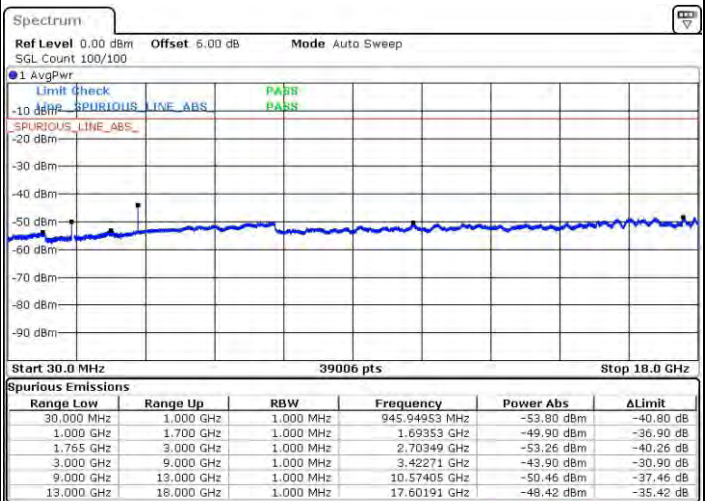
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 27 SEP 2015 12:34:08

Lowest Channel / 16QAM

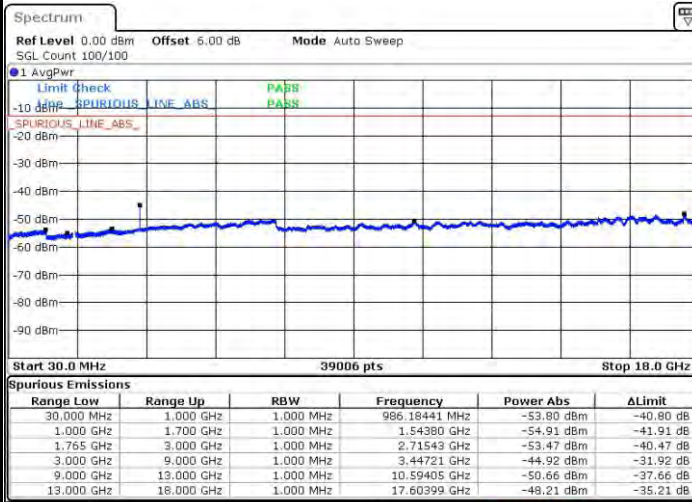


Date: 27 SEP 2015 12:35:01



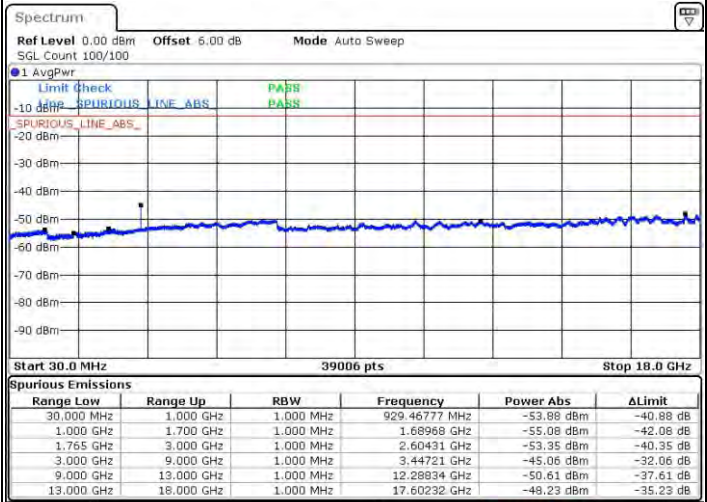
LTE Band 4 / 20MHz

Middle Channel / QPSK



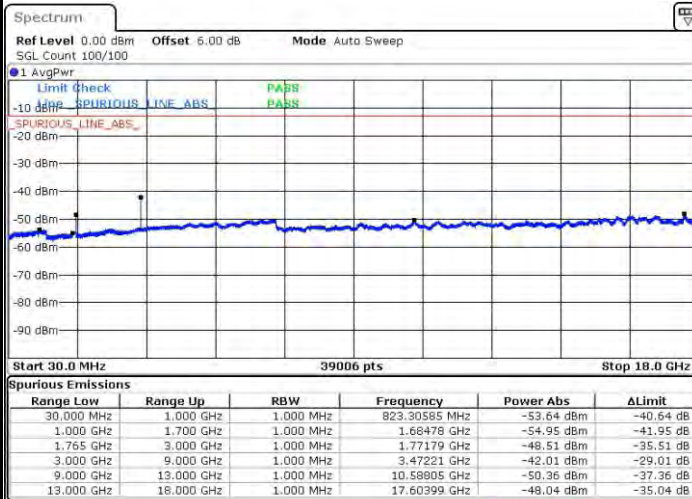
Date: 27 SEP 2015 12:36:37

Middle Channel / 16QAM



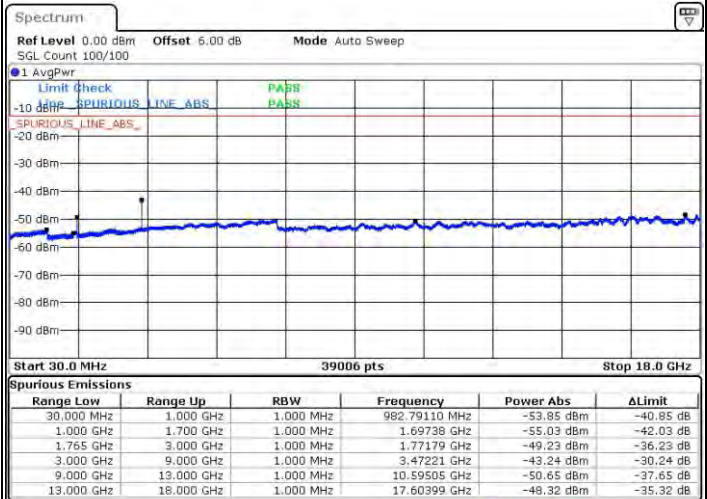
Date: 27 SEP 2015 12:37:31

Highest Channel / QPSK



Date: 27 SEP 2015 12:43:41

Highest Channel / 16QAM

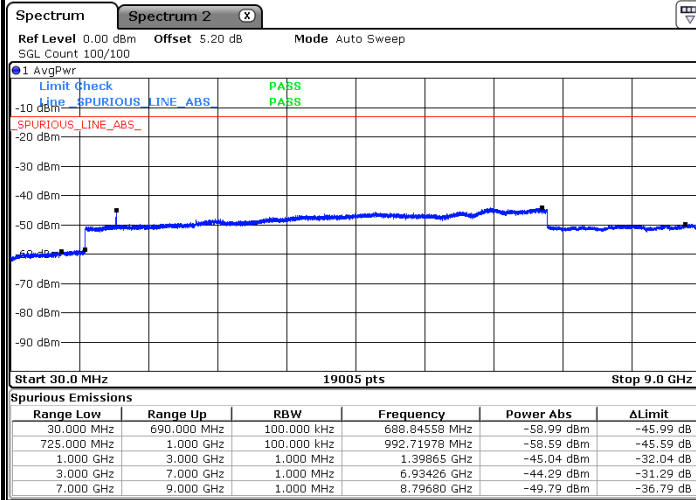


Date: 27 SEP 2015 12:44:35



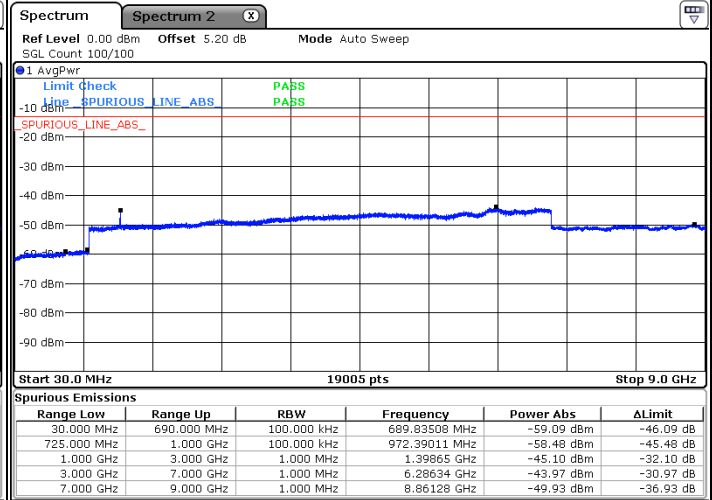
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



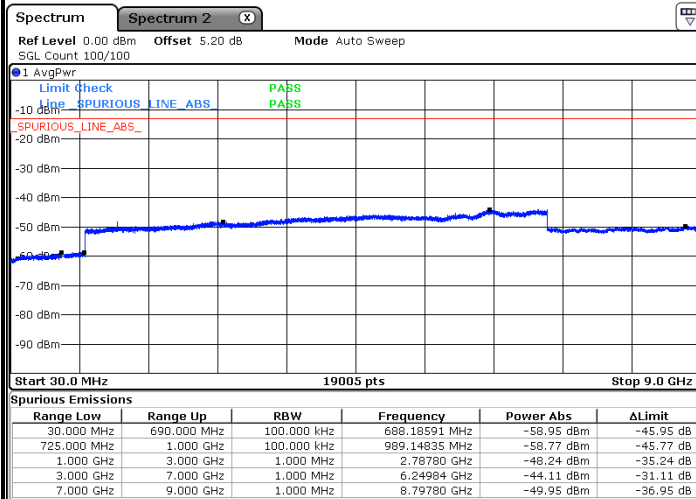
Date: 23 SEP 2015 22:34:44

Lowest Channel / 16QAM



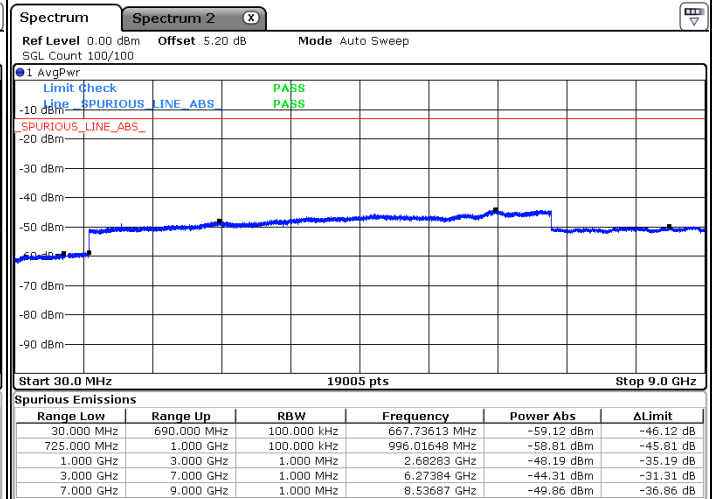
Date: 23 SEP 2015 22:35:48

Middle Channel / QPSK



Date: 23 SEP 2015 22:37:49

Middle Channel / 16QAM

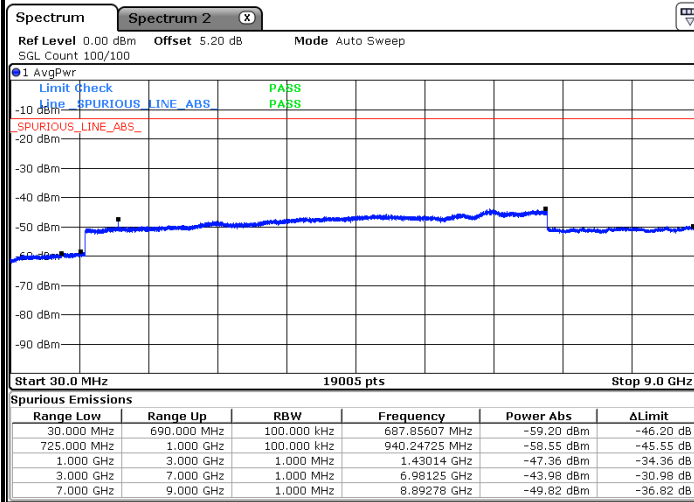


Date: 23 SEP 2015 22:37:58



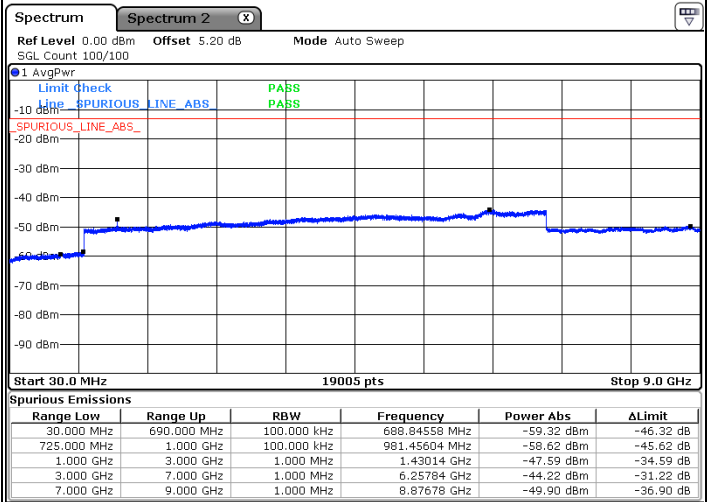
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 23 SEP 2015 22:39:16

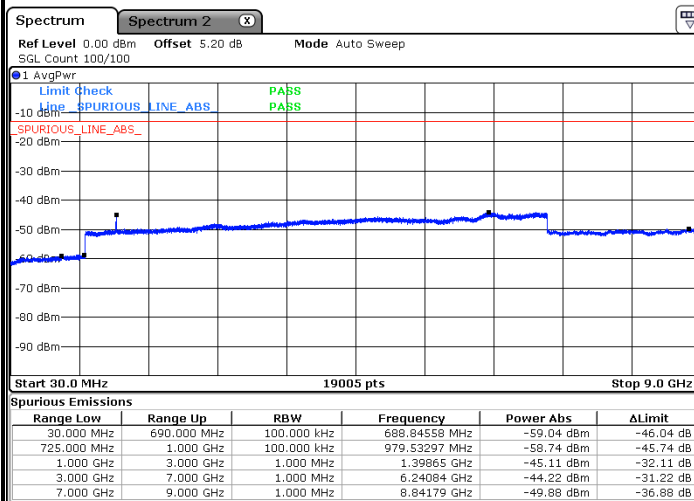
Highest Channel / 16QAM



Date: 23 SEP 2015 22:40:00

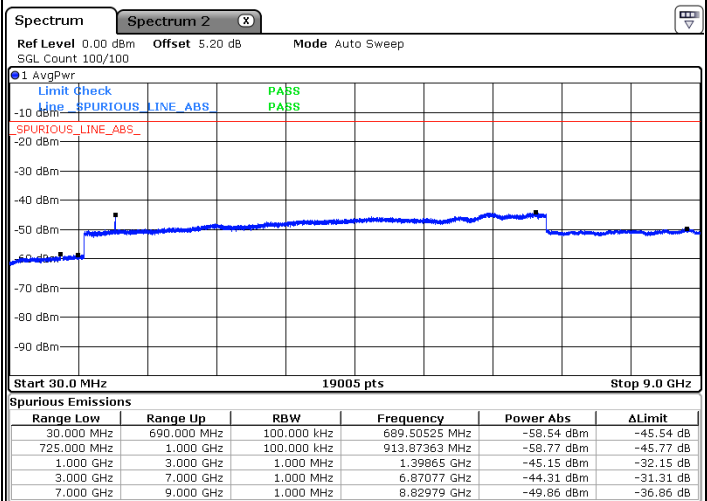
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 23 SEP 2015 22:43:04

Lowest Channel / 16QAM

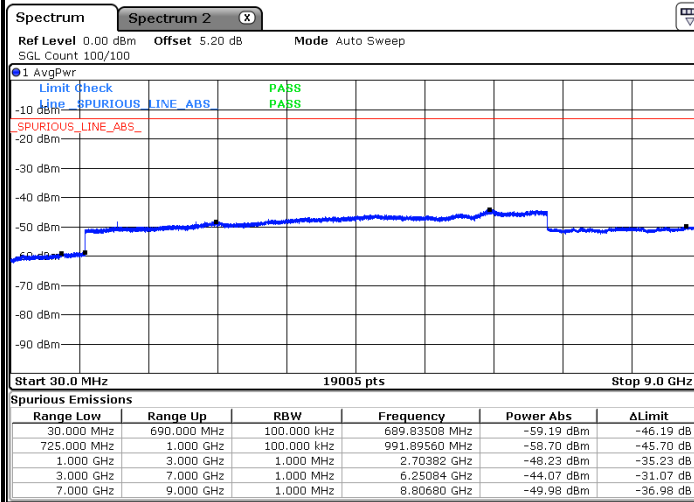


Date: 23 SEP 2015 22:42:01



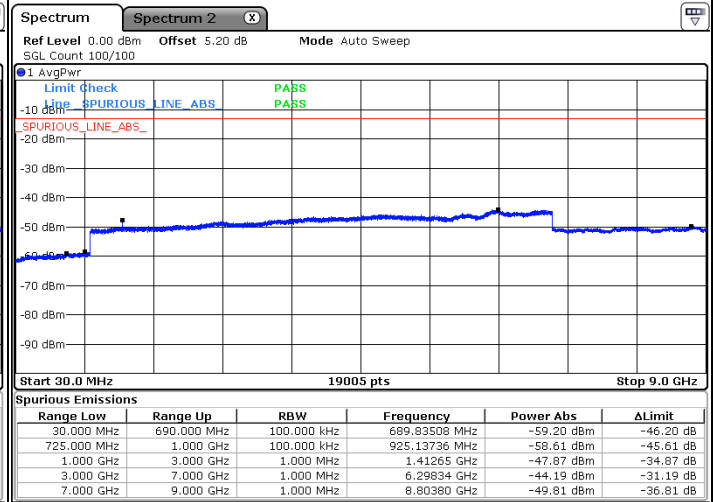
LTE Band 12 / 3MHz

Middle Channel / QPSK



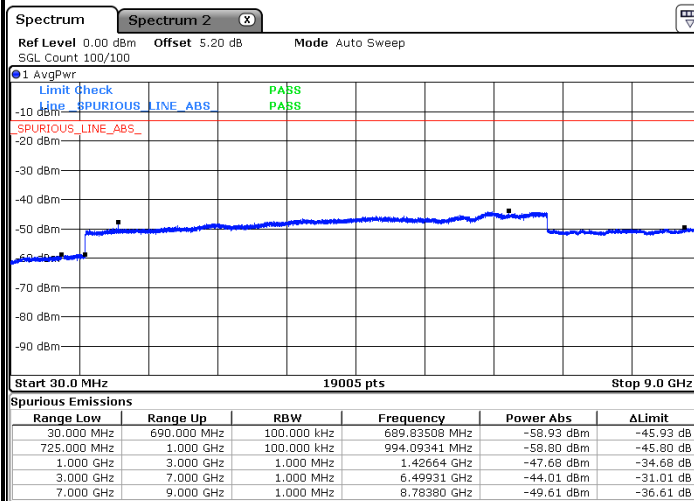
Date: 23 SEP 2015 22:45:10

Middle Channel / 16QAM



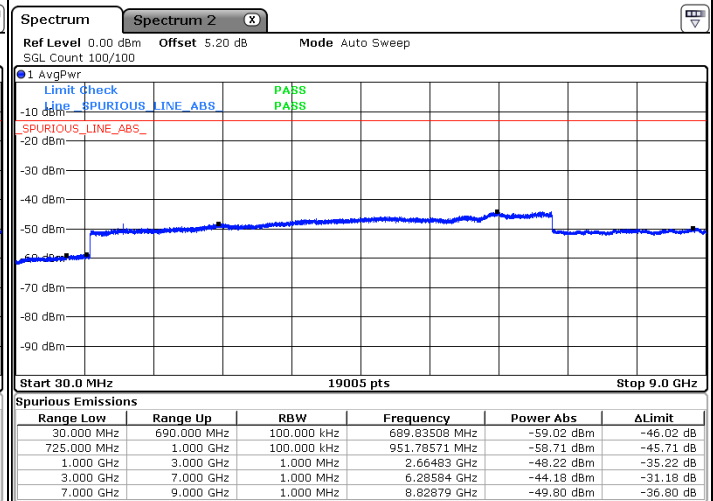
Date: 23 SEP 2015 22:45:50

Highest Channel / QPSK



Date: 23 SEP 2015 22:47:39

Highest Channel / 16QAM

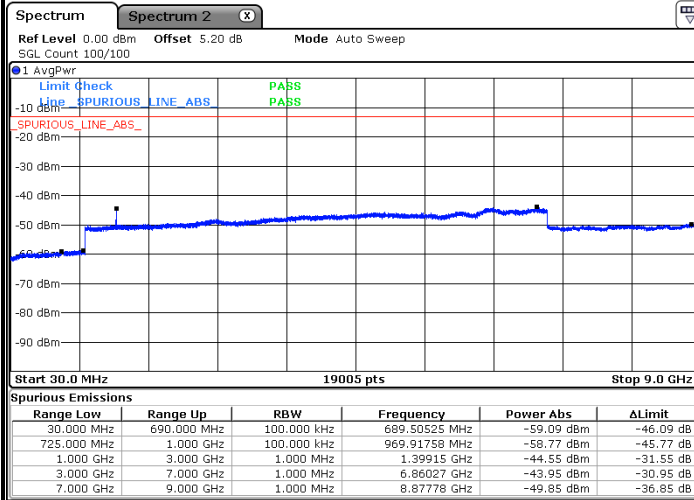


Date: 23 SEP 2015 22:46:53



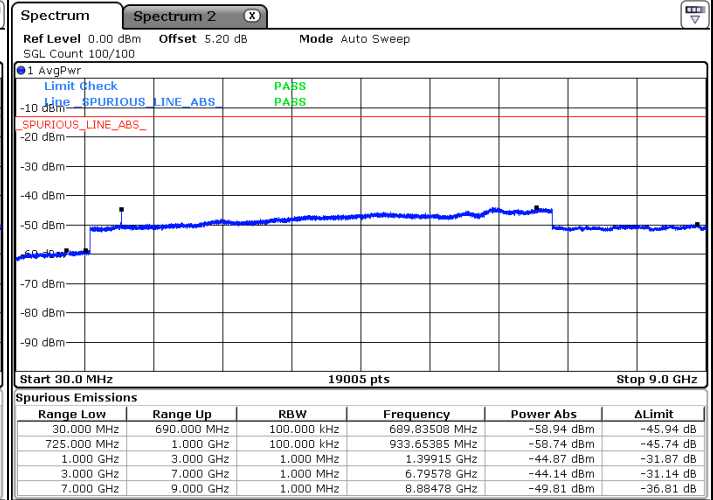
LTE Band 12 / 5MHz

Lowest Channel / QPSK



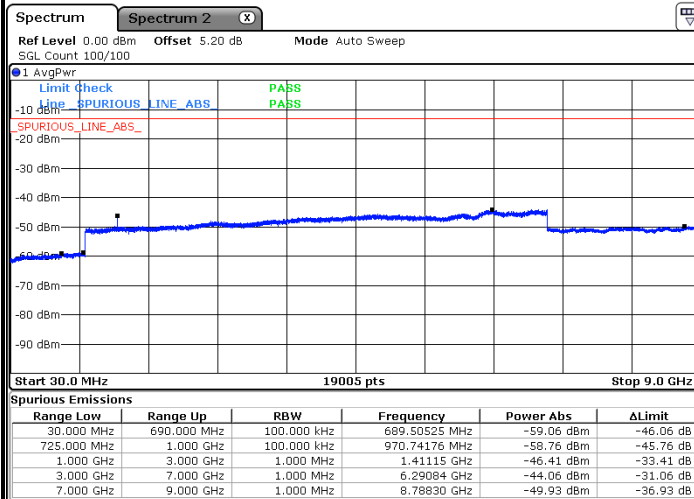
Date: 23 SEP 2015 22:54:18

Lowest Channel / 16QAM



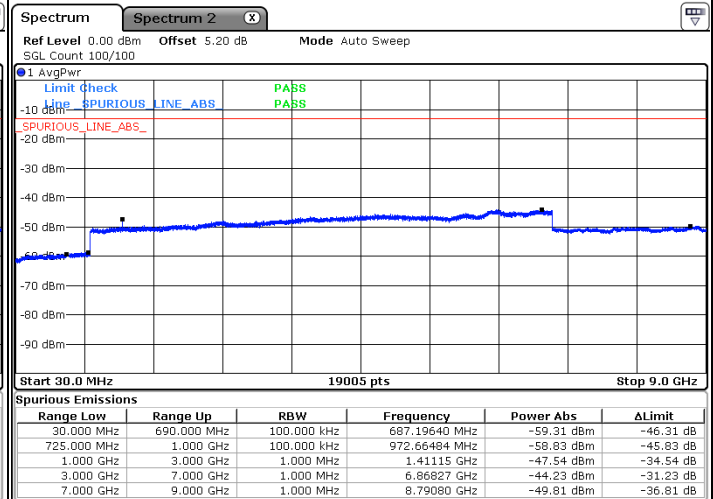
Date: 23 SEP 2015 22:54:53

Middle Channel / QPSK



Date: 23 SEP 2015 22:56:30

Middle Channel / 16QAM

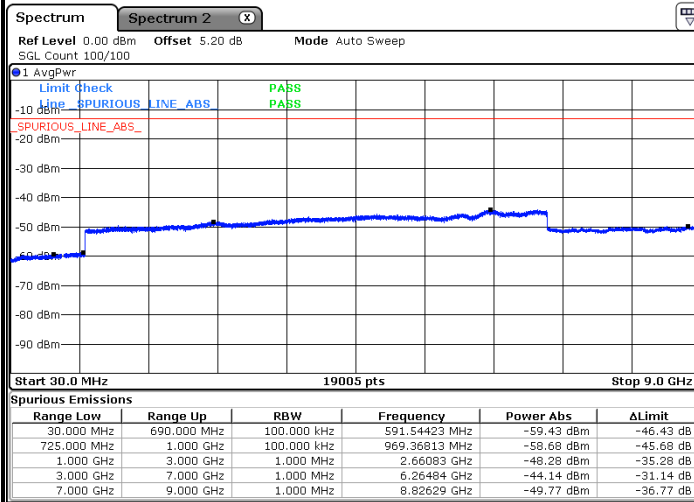


Date: 23 SEP 2015 22:55:46



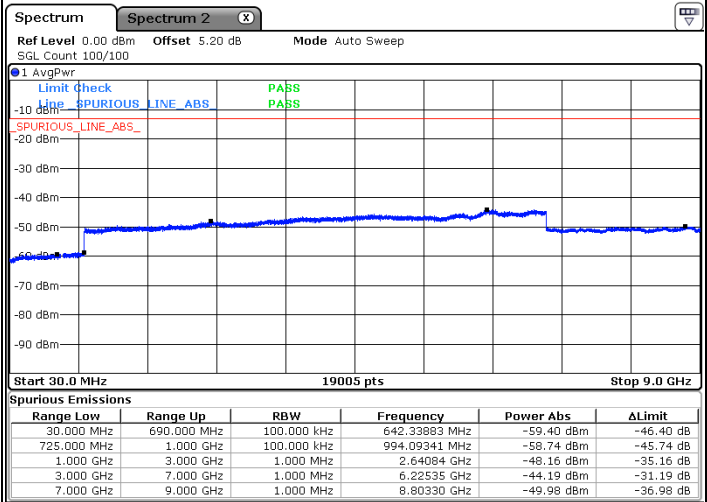
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 23 SEP 2015 22:57:21

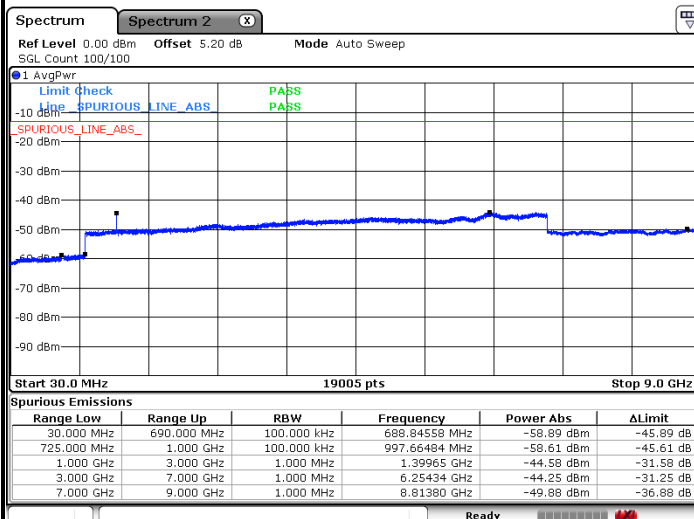
Highest Channel / 16QAM



Date: 23 SEP 2015 22:58:01

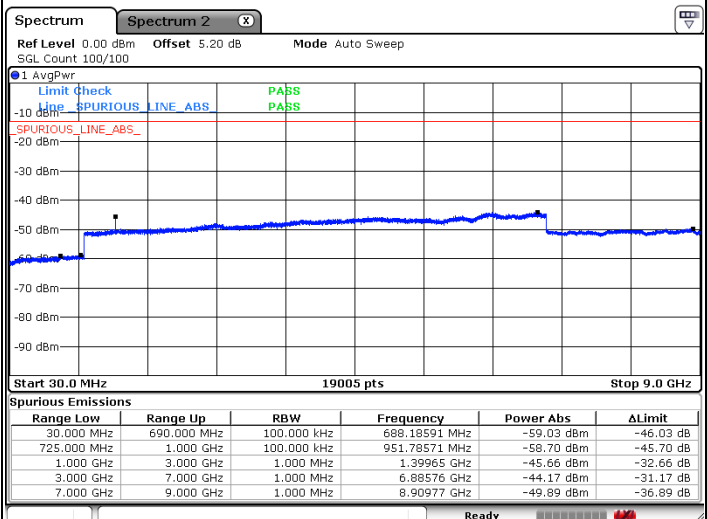
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 23 SEP 2015 23:08:24

Lowest Channel / 16QAM

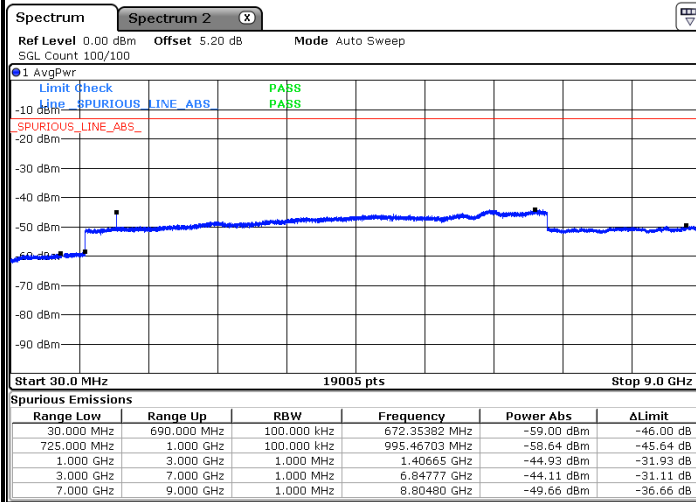


Date: 23 SEP 2015 22:59:59



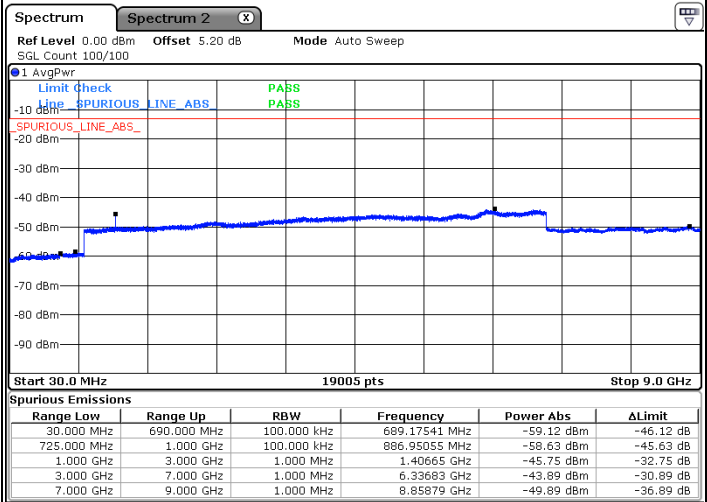
LTE Band 12 / 10MHz

Middle Channel / QPSK



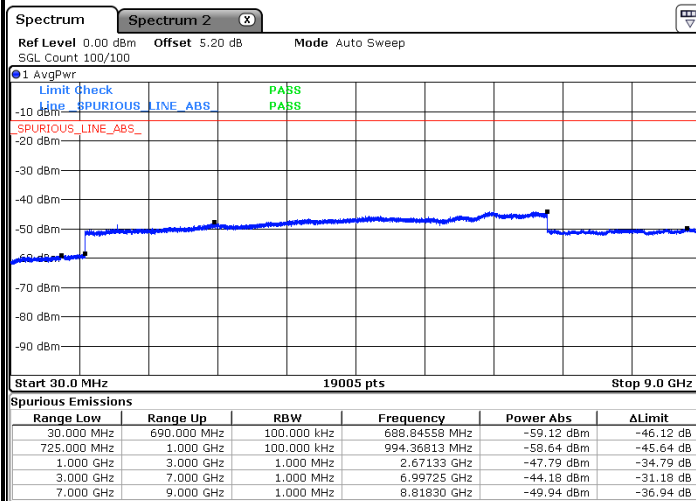
Date: 23 SEP 2015 23:10:57

Middle Channel / 16QAM



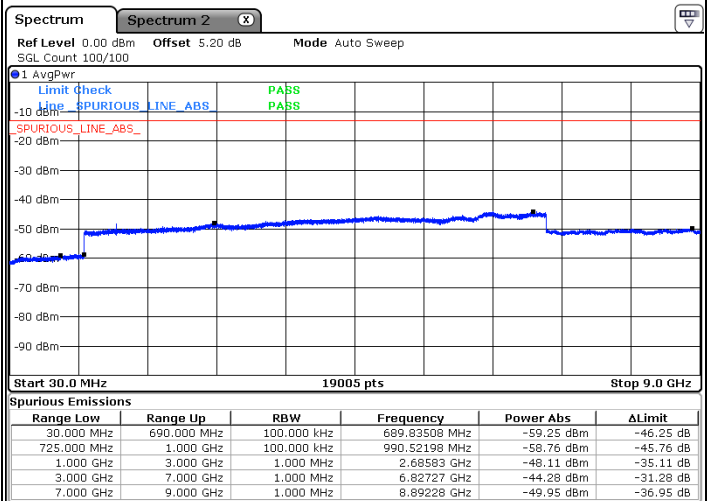
Date: 23 SEP 2015 23:12:05

Highest Channel / QPSK



Date: 23 SEP 2015 23:14:00

Highest Channel / 16QAM



Date: 23 SEP 2015 23:13:00

**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	0.0053	PASS
40	Normal Voltage	0.0064	
30	Normal Voltage	0.0032	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0037	
0	Normal Voltage	0.0049	
-10	Normal Voltage	0.0059	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0053	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0043	
20	Battery End Point	0.0016	

Note:

1. Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.40 V. ; Maximum Voltage = 4.35 V
2. Note: 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	0.0185	PASS
40	Normal Voltage	0.0162	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0127	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0081	
20	Maximum Voltage	0.0098	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0104	

Note:

1. Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.40 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0071	PASS
40	Normal Voltage	0.0212	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0155	
0	Normal Voltage	0.0178	
-10	Normal Voltage	0.0198	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0141	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0184	
20	Battery End Point	0.0057	

Note:

1. Normal Voltage = 3.80 V. ; Battery End Point (BEP) = 3.40 V. ; Maximum Voltage = 4.35 V
2. Note: 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	1	20.52	0.1127	20.86	0.1219
Middle		3	1	21.10	0.1288	21.95	0.1567
Highest		3	3	21.85	0.1531	22.14	0.1637
Lowest	16QAM	1	3	19.80	0.0955	20.31	0.1074
Middle		1	3	20.06	0.1014	20.66	0.1164
Highest		3	3	20.57	0.1140	21.27	0.1340
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	20.88	0.1225	21.20	0.1318
Middle		1	14	21.26	0.1337	22.20	0.1660
Highest		1	0	21.97	0.1574	22.10	0.1622
Lowest	16QAM	1	0	19.74	0.0942	20.13	0.1030
Middle		1	14	20.30	0.1072	21.21	0.1321
Highest		1	14	20.92	0.1236	21.39	0.1377
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	20.84	0.1213	21.16	0.1306
Middle		1	12	21.36	0.1368	22.23	0.1671
Highest		1	12	21.99	0.1581	22.26	0.1683
Lowest	16QAM	1	24	19.91	0.0979	20.25	0.1059
Middle		1	0	20.12	0.1028	20.85	0.1216
Highest		1	12	20.93	0.1239	21.31	0.1352
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	25	20.99	0.1256	21.41	0.1384
Middle		1	25	21.24	0.1330	21.95	0.1567
Highest		1	25	21.95	0.1567	21.99	0.1581
Lowest	16QAM	1	0	19.82	0.0959	20.22	0.1052
Middle		1	25	20.23	0.1054	21.05	0.1274
Highest		1	25	20.87	0.1222	21.19	0.1315
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	0	20.92	0.1236	21.22	0.1324
Middle		1	37	21.51	0.1416	22.32	0.1706
Highest		1	0	21.66	0.1466	22.33	0.1710
Lowest	16QAM	1	0	19.91	0.0979	20.28	0.1067
Middle		1	0	20.47	0.1114	21.02	0.1265
Highest		1	0	20.76	0.1191	21.39	0.1377
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	49	21.32	0.1355	21.30	0.1349
Middle		1	49	21.25	0.1334	22.01	0.1589
Highest		1	49	21.96	0.1570	22.07	0.1611
Lowest	16QAM	1	0	19.93	0.0984	20.15	0.1035
Middle		1	0	20.70	0.1175	21.00	0.1259
Highest		1	0	20.62	0.1153	21.52	0.1419
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	23.29	0.2133	23.40	0.2188
Middle		3	1	23.18	0.2080	23.17	0.2075
Highest		3	0	22.91	0.1954	22.19	0.1656
Lowest	16QAM	1	3	22.71	0.1866	22.90	0.1950
Middle		1	3	22.52	0.1786	22.48	0.1770
Highest		1	0	22.26	0.1683	21.62	0.1452
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.47	0.2223	23.64	0.2312
Middle		1	8	23.50	0.2239	23.48	0.2228
Highest		1	8	23.03	0.2009	22.46	0.1762
Lowest	16QAM	1	0	22.68	0.1854	22.85	0.1928
Middle		1	0	22.63	0.1832	22.54	0.1795
Highest		1	0	22.17	0.1648	21.77	0.1503
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.77	0.2382	23.77	0.2382
Middle		1	12	23.45	0.2213	23.48	0.2228
Highest		1	12	23.21	0.2094	22.80	0.1905
Lowest	16QAM	1	0	22.61	0.1824	22.81	0.1910
Middle		1	24	22.16	0.1644	22.29	0.1694
Highest		1	12	22.08	0.1614	21.63	0.1455
Limit	EIRP < 1W			Result		PASS	

LTE Band 4/ 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.87	0.2438	23.94	0.2477
Middle		1	0	24.14	0.2594	23.81	0.2404
Highest		1	25	22.94	0.1968	22.72	0.1871
Lowest	16QAM	1	0	22.65	0.1841	22.81	0.1910
Middle		1	0	23.01	0.2000	22.64	0.1837
Highest		1	25	22.23	0.1671	21.97	0.1574
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.70	0.2344	23.84	0.2421
Middle		1	0	23.70	0.2344	23.43	0.2203
Highest		1	0	23.13	0.2056	23.25	0.2113
Lowest	16QAM	1	0	22.78	0.1897	22.93	0.1963
Middle		1	0	22.56	0.1803	22.28	0.1690
Highest		1	0	21.90	0.1549	21.99	0.1581
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	23.75	0.2371	23.87	0.2438
Middle		1	0	24.04	0.2535	23.82	0.2410
Highest		1	0	23.48	0.2228	23.63	0.2307
Lowest	16QAM	1	0	22.76	0.1888	22.88	0.1941
Middle		1	99	22.06	0.1607	22.21	0.1663
Highest		1	0	22.49	0.1774	22.52	0.1786
Limit	EIRP < 1W			Result		PASS	

LTE Band 12 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	3	0	19.67	0.0927	7.96	0.0063
Middle		3	1	19.84	0.0964	7.96	0.0063
Highest		3	1	20.31	0.1074	7.87	0.0061
Lowest	16QAM	3	3	18.83	0.0764	7.08	0.0051
Middle		1	0	19.34	0.0859	7.53	0.0057
Highest		1	0	19.53	0.0897	7.05	0.0051
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 3MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	8	19.28	0.0847	7.55	0.0057
Middle		1	0	20.03	0.1007	8.45	0.0070
Highest		1	14	20.41	0.1099	7.91	0.0062
Lowest	16QAM	1	14	18.77	0.0753	7.17	0.0052
Middle		1	0	19.18	0.0828	7.60	0.0058
Highest		1	8	19.52	0.0895	7.09	0.0051
Limit	ERP < 3W			Result		PASS	



LTE Band 12 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	19.66	0.0925	8.18	0.0066
Middle		1	12	20.51	0.1125	8.53	0.0071
Highest		1	12	20.35	0.1084	7.94	0.0062
Lowest	16QAM	1	24	18.88	0.0773	7.40	0.0055
Middle		1	12	19.32	0.0855	7.39	0.0055
Highest		1	0	18.98	0.0791	6.60	0.0046
Limit	ERP < 3W			Result		PASS	

LTE Band 12 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	20.30	0.1072	8.19	0.0066
Middle		1	49	20.03	0.1007	7.70	0.0059
Highest		1	49	20.50	0.1122	7.83	0.0061
Lowest	16QAM	1	25	18.98	0.0791	7.49	0.0056
Middle		1	25	19.07	0.0807	7.65	0.0058
Highest		1	49	19.54	0.0899	6.73	0.0047
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	3759	-54.72	-13	-41.72	-64.28	-59.72	2.60	7.60	H
	5640	-53.82	-13	-40.82	-67.81	-60.82	3.10	10.10	H
	7518	-49.88	-13	-36.88	-68.61	-56.04	5.77	11.93	H
	3759	-53.56	-13	-40.56	-64.08	-58.56	2.60	7.60	V
	5640	-54.36	-13	-41.36	-68.82	-61.36	3.10	10.10	V
	7518	-51.44	-13	-38.44	-69.36	-57.60	5.77	11.93	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	3759	-54.90	-13	-41.90	-64.46	-59.90	2.60	7.60	H
	5637	-53.56	-13	-40.56	-67.55	-60.56	3.10	10.10	H
	7515	-51.11	-13	-38.11	-69.84	-57.27	5.77	11.93	H
	3759	-53.25	-13	-40.25	-63.77	-58.25	2.60	7.60	V
	5637	-53.12	-13	-40.12	-67.58	-60.12	3.10	10.10	V
	7515	-50.97	-13	-37.97	-68.89	-57.13	5.77	11.93	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	3756	-54.09	-13	-41.09	-63.65	-59.09	2.60	7.60	H
	5634	-54.38	-13	-41.38	-68.37	-61.38	3.10	10.10	H
	7512	-51.16	-13	-38.16	-69.89	-57.32	5.77	11.93	H
	3756	-53.25	-13	-40.25	-63.77	-58.25	2.60	7.60	V
	5634	-52.44	-13	-39.44	-66.9	-59.44	3.10	10.10	V
	7512	-52.00	-13	-39.00	-69.92	-58.16	5.77	11.93	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	3753	-53.50	-13	-40.50	-63.06	-58.50	2.60	7.60	H
	5628	-53.85	-13	-40.85	-67.84	-60.85	3.10	10.10	H
	7503	-51.27	-13	-38.27	-70.00	-57.43	5.77	11.93	H
	3750	-49.69	-13	-36.69	-60.47	-54.69	2.60	7.60	V
	5628	-52.97	-13	-39.97	-67.43	-59.97	3.10	10.10	V
	7503	-51.80	-13	-38.80	-69.72	-57.96	5.77	11.93	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	3747	-53.59	-13	-40.59	-63.15	-58.59	2.60	7.60	H
	5622	-54.45	-13	-41.45	-68.44	-61.45	3.10	10.10	H
	7494	-50.10	-13	-37.10	-68.83	-56.26	5.77	11.93	H
	3747	-52.60	-13	-39.60	-63.12	-57.60	2.60	7.60	V
	5622	-53.86	-13	-40.86	-68.32	-60.86	3.10	10.10	V
	7494	-52.26	-13	-39.26	-70.18	-58.42	5.77	11.93	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	3744	-53.59	-13	-40.59	-63.15	-58.59	2.60	7.60	H
	5613	-53.19	-13	-40.19	-67.18	-60.19	3.10	10.10	H
	7485	-50.74	-13	-37.74	-69.47	-56.90	5.77	11.93	H
	3741	-53.58	-13	-40.58	-64.1	-58.58	2.60	7.60	V
	5613	-52.90	-13	-39.90	-67.36	-59.90	3.10	10.10	V
	7485	-51.29	-13	-38.29	-69.21	-57.45	5.77	11.93	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	3465	-57.94	-13	-44.94	-65.70	-62.92	2.51	7.49	H
	5196	-53.06	-13	-40.06	-66.65	-59.53	2.98	9.45	H
	6927	-52.08	-13	-39.08	-68.87	-58.15	5.28	11.35	H
	3465	-60.64	-13	-47.64	-65.47	-65.62	2.51	7.49	V
	5196	-53.58	-13	-40.58	-67.54	-60.05	2.98	9.45	V
	6927	-52.49	-13	-39.49	-69.52	-58.56	5.28	11.35	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	-57.05	-13	-44.05	-64.81	-62.03	2.51	7.49	H
	5193	-53.68	-13	-40.68	-67.27	-60.15	2.98	9.45	H
	6924	-51.71	-13	-38.71	-68.50	-57.78	5.28	11.35	H
	3462	-61.47	-13	-48.47	-66.3	-66.45	2.51	7.49	V
	5193	-54.31	-13	-41.31	-68.27	-60.78	2.98	9.45	V
	6924	-52.78	-13	-39.78	-69.81	-58.85	5.28	11.35	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	3459	-58.29	-13	-45.29	-66.05	-63.27	2.51	7.49	H
	5190	-53.03	-13	-40.03	-66.62	-59.50	2.98	9.45	H
	6921	-53.38	-13	-40.38	-70.17	-59.45	5.28	11.35	H
	3459	-60.27	-13	-47.27	-65.1	-65.25	2.51	7.49	V
	5190	-53.23	-13	-40.23	-67.19	-59.70	2.98	9.45	V
	6921	-51.63	-13	-38.63	-68.66	-57.70	5.28	11.35	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	-57.52	-13	-44.52	-65.28	-62.50	2.51	7.49	H
	5184	-52.26	-13	-39.26	-65.85	-58.73	2.98	9.45	H
	6912	-52.11	-13	-39.11	-68.90	-58.18	5.28	11.35	H
	3456	-60.46	-13	-47.46	-65.29	-65.44	2.51	7.49	V
	5184	-53.92	-13	-40.92	-67.88	-60.39	2.98	9.45	V
	6912	-52.46	-13	-39.46	-69.49	-58.53	5.28	11.35	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	3453	-57.56	-13	-44.56	-65.32	-62.54	2.51	7.49	H
	5177	-53.84	-13	-40.84	-67.43	-60.31	2.98	9.45	H
	6903	-52.20	-13	-39.20	-68.99	-58.27	5.28	11.35	H
	3453	-60.98	-13	-47.98	-65.81	-65.96	2.51	7.49	V
	5178	-53.36	-13	-40.36	-67.32	-59.83	2.98	9.45	V
	6903	-53.11	-13	-40.11	-70.14	-59.18	5.28	11.35	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	-58.08	-13	-45.08	-65.84	-63.06	2.51	7.49	H
	5170	-53.12	-13	-40.12	-66.71	-59.59	2.98	9.45	H
	6894	-52.11	-13	-39.11	-68.90	-58.18	5.28	11.35	H
	3447	-61.11	-13	-48.11	-65.94	-66.09	2.51	7.49	V
	5170	-52.16	-13	-39.16	-66.12	-58.63	2.98	9.45	V
	6894	-52.96	-13	-39.96	-69.99	-59.03	5.28	11.35	V

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



LTE Band 12 / 1.4MHz / 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	1412	-61.07	-13	-48.07	-61.54	-62.96	0.84	4.88	H
	2120	-58.03	-13	-45.03	-62.17	-60.67	1.14	5.93	H
	2827	-58.80	-13	-45.80	-63.53	-61.98	1.33	6.66	H
	1412	-60.69	-13	-47.69	-61.56	-62.58	0.84	4.88	V
	2120	-57.90	-13	-44.90	-63	-60.54	1.14	5.93	V
	2827	-56.72	-13	-43.72	-63.76	-59.90	1.33	6.66	V

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

LTE Band 12 / 3MHz / 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	1412	-60.11	-13	-47.11	-60.58	-62.36	0.48	4.88	H
	2118	-58.70	-13	-45.70	-62.84	-61.34	1.14	5.93	H
	2824	-58.88	-13	-45.88	-63.61	-62.06	1.33	6.66	H
	1412	-60.63	-13	-47.63	-61.5	-62.88	0.48	4.88	V
	2118	-57.75	-13	-44.75	-62.85	-60.39	1.14	5.93	V
	2824	-56.30	-13	-43.30	-63.34	-59.48	1.33	6.66	V

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



LTE Band 12 / 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	1410	-59.54	-13	-46.54	-60.01	-61.79	0.48	4.88	H
	2115	-57.89	-13	-44.89	-62.03	-60.53	1.14	5.93	H
	2820	-58.39	-13	-45.39	-63.12	-61.57	1.33	6.66	H
	1410	-59.46	-13	-46.46	-60.44	-61.71	0.48	4.88	V
	2115	-57.53	-13	-44.53	-62.63	-60.17	1.14	5.93	V
	2820	-56.65	-13	-43.65	-63.69	-59.83	1.33	6.66	V

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

LTE Band 12 / 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	1404	-62.34	-13	-49.34	-62.81	-64.59	0.48	4.88	H
	2108	-58.43	-13	-45.43	-62.57	-61.07	1.14	5.93	H
	2810	-58.81	-13	-45.81	-63.54	-61.99	1.33	6.66	H
	1405	-62.21	-13	-49.21	-62.61	-64.46	0.48	4.88	V
	2110	-54.75	-13	-41.75	-59.85	-57.39	1.14	5.93	V
	2810	-55.81	-13	-42.81	-62.85	-58.99	1.33	6.66	V

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