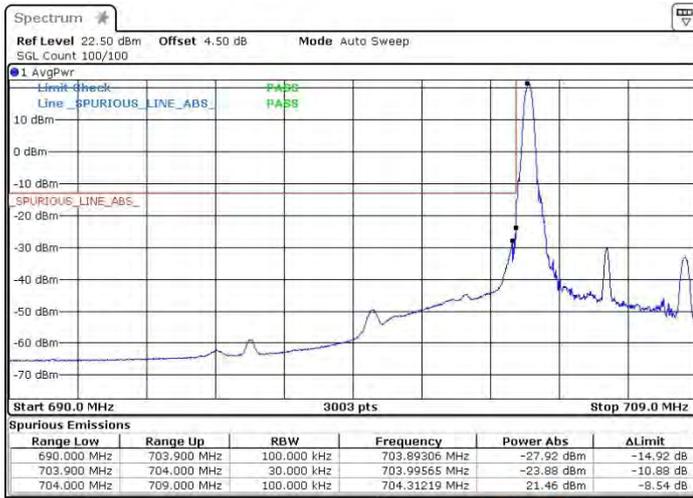




LTE Band 17 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 28.MAR.2015 20:16:08



Date: 28.MAR.2015 20:23:22

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.MAR.2015 20:19:10



Date: 28.MAR.2015 20:20:07



LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



Date: 28.MAR.2015 20:17:06



Date: 28.MAR.2015 20:22:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.MAR.2015 20:18:04



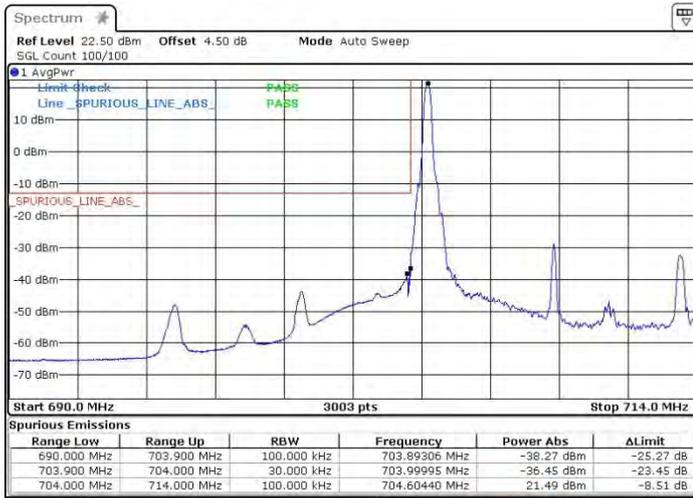
Date: 28.MAR.2015 20:21:03



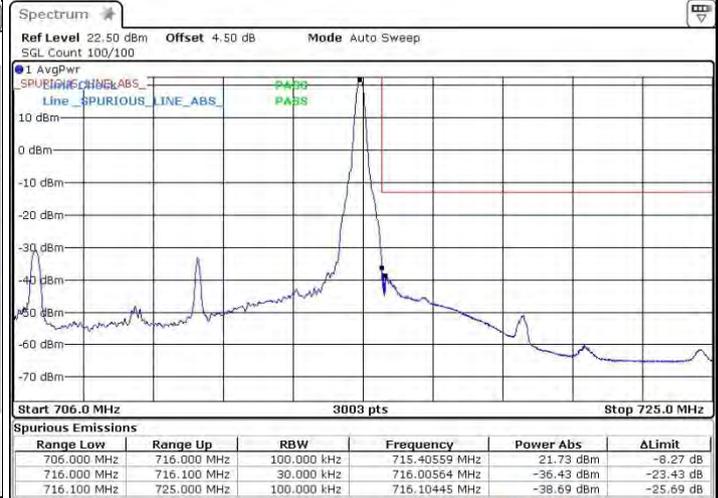
LTE Band 17 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



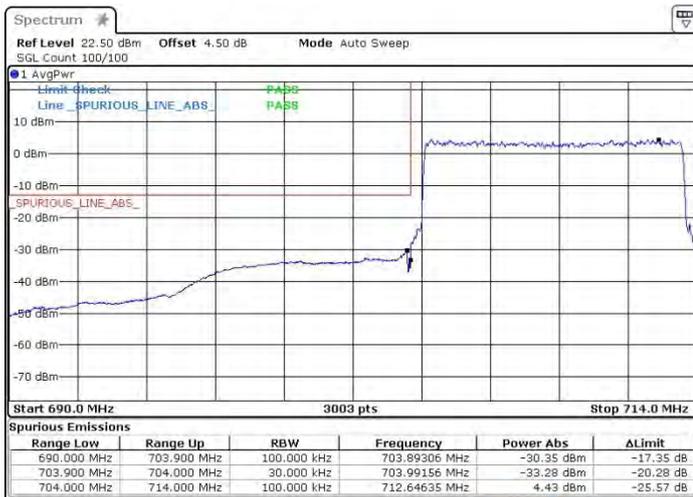
Date: 28 MAR 2015 20:31:38



Date: 28 MAR 2015 20:24:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28 MAR 2015 20:28:06



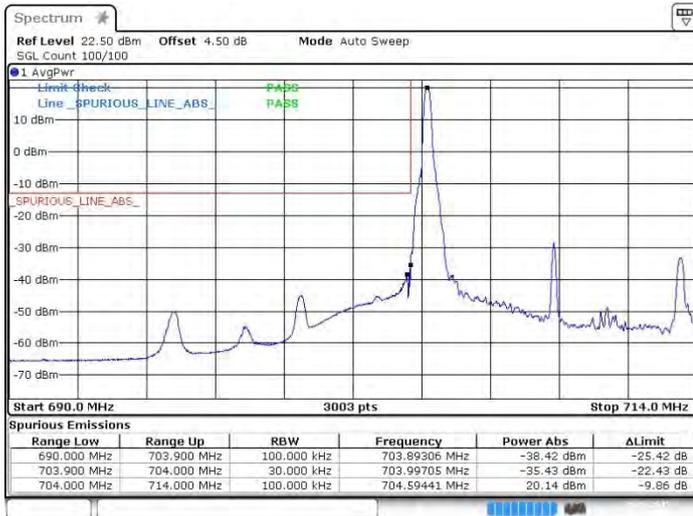
Date: 28 MAR 2015 20:27:04



LTE Band 17 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



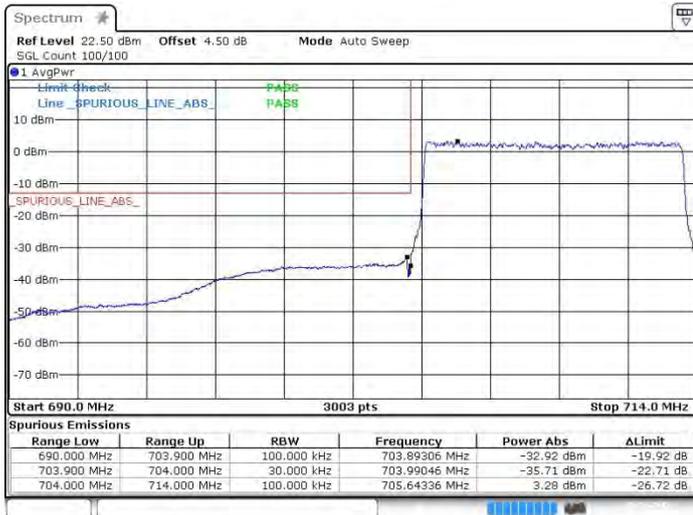
Date: 28 MAR 2015 20:30:17



Date: 28 MAR 2015 20:25:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28 MAR 2015 20:29:11



Date: 28 MAR 2015 20:26:18



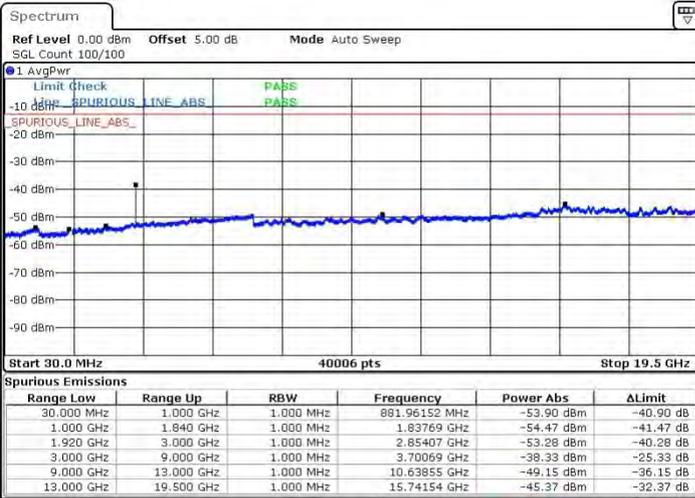
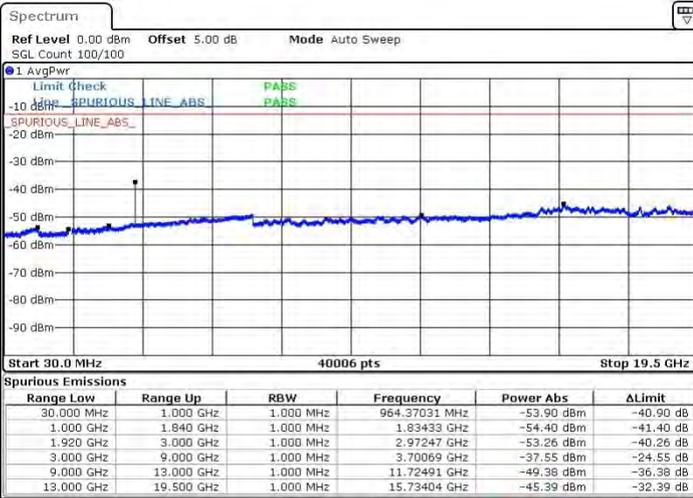
Conducted Spurious Emission



LTE Band 2 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

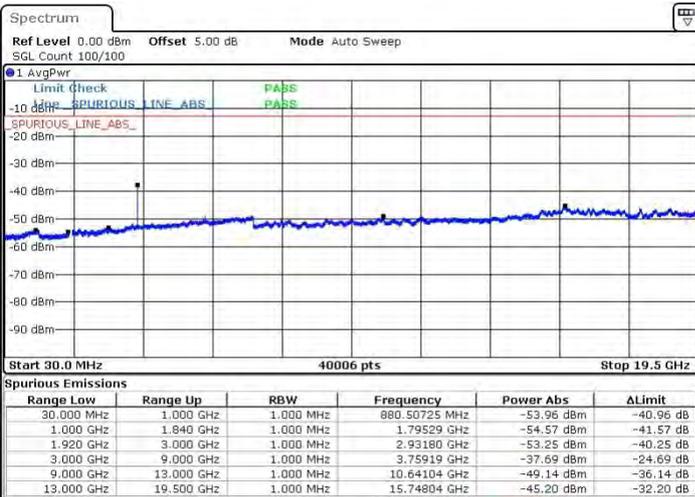
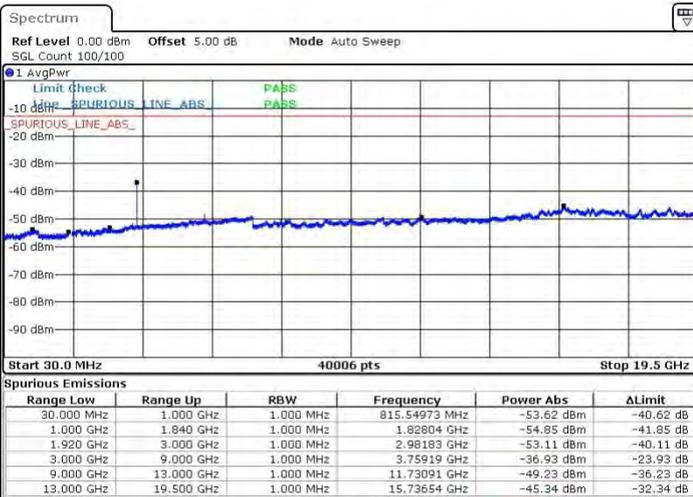


Date: 28 MAR 2015 08:51:00

Date: 28 MAR 2015 08:52:19

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 28 MAR 2015 08:54:21

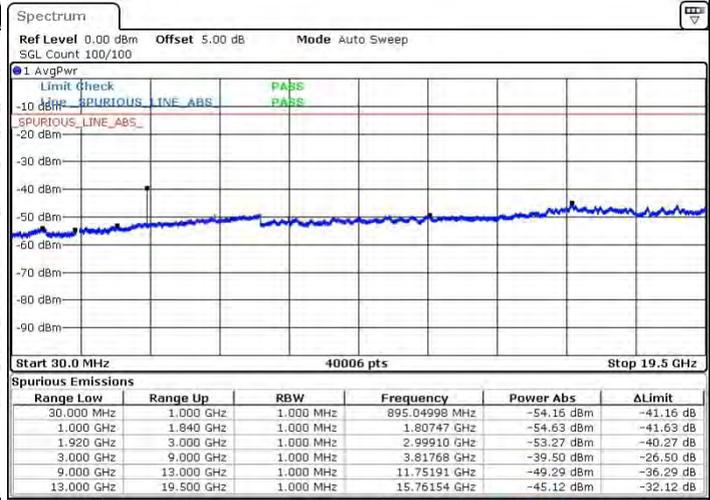
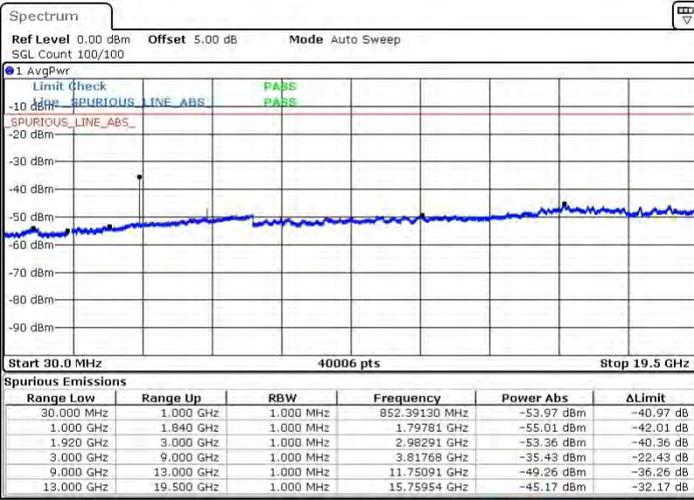
Date: 28 MAR 2015 08:55:39



LTE Band 2 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



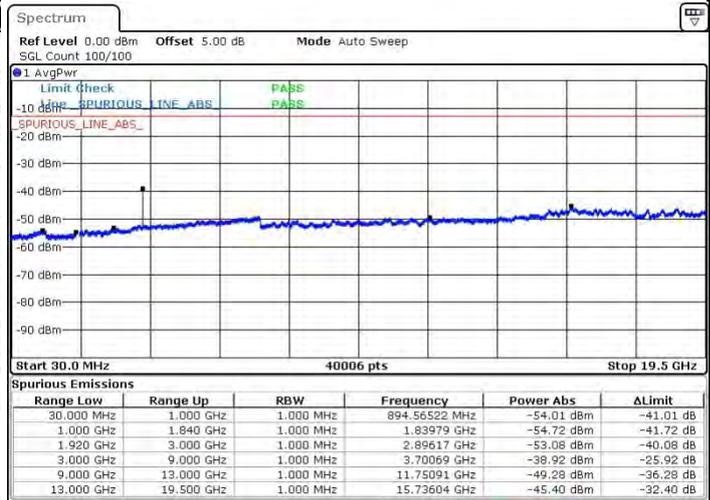
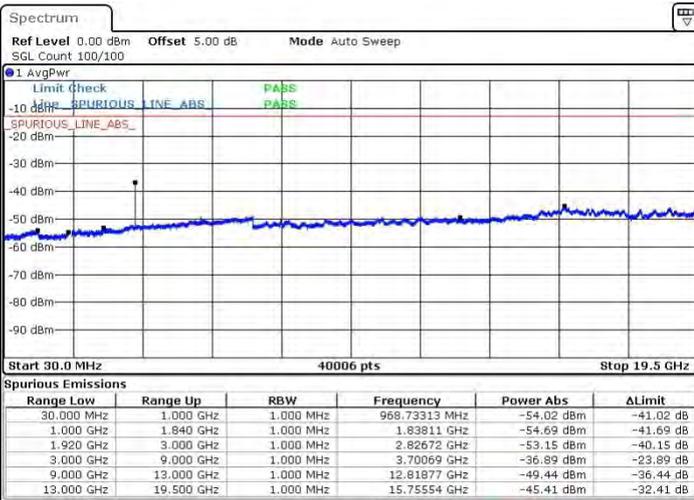
Date: 28 MAR 2015 08:57:41

Date: 28 MAR 2015 09:00:48

LTE Band 2 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 28 MAR 2015 09:02:50

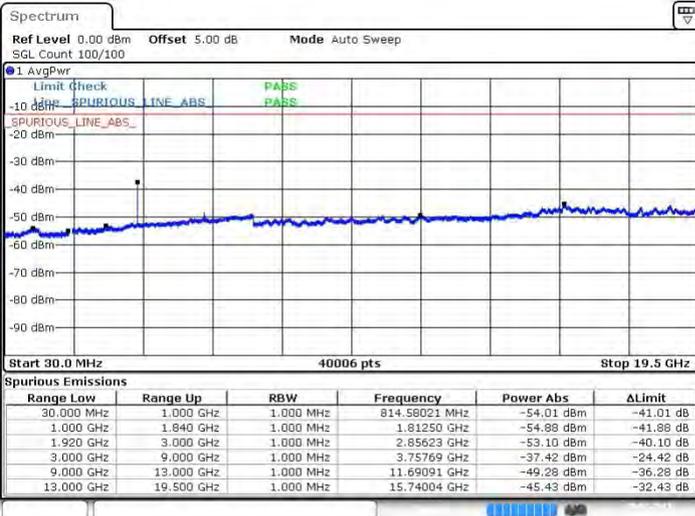
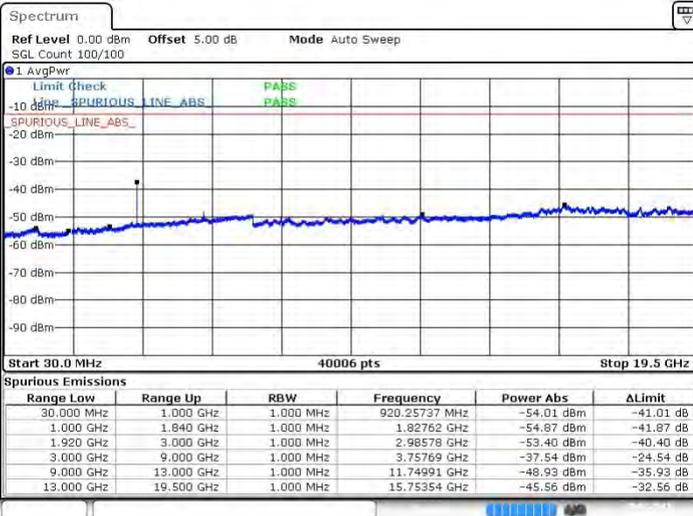
Date: 28 MAR 2015 09:04:09



LTE Band 2 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

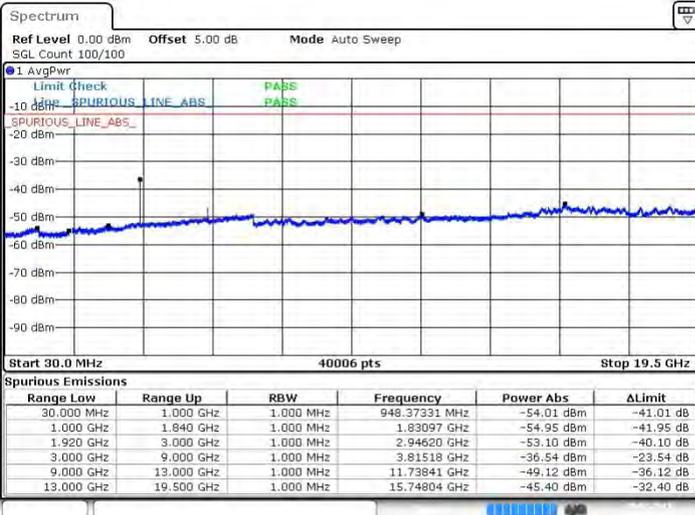
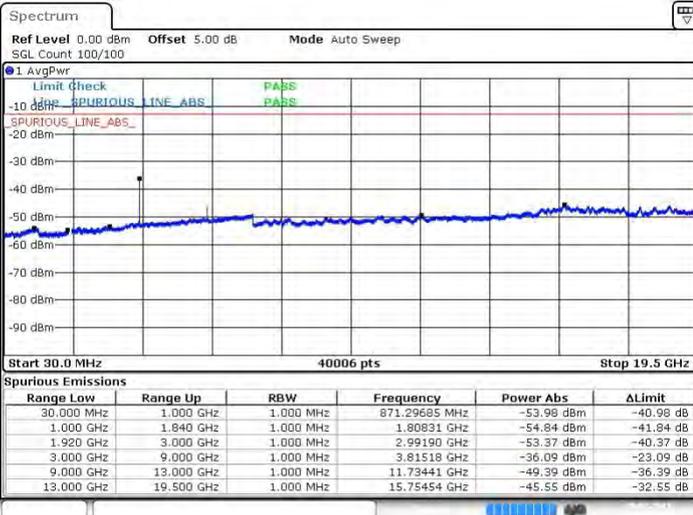


Date: 28 MAR 2015 09:06:11

Date: 28 MAR 2015 09:07:29

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28 MAR 2015 09:09:34

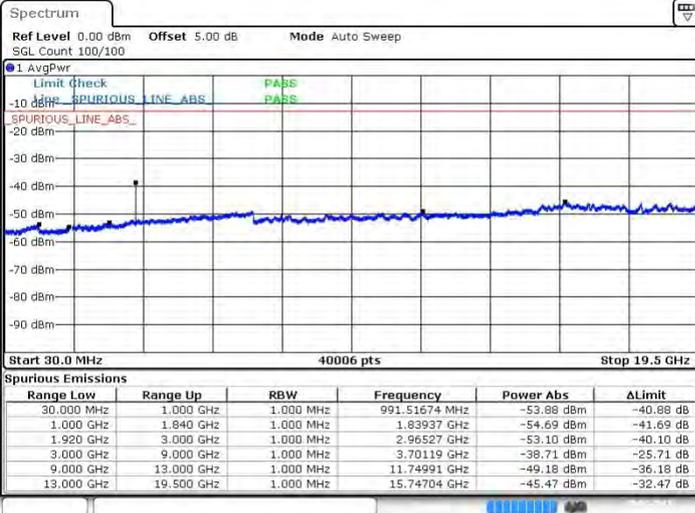
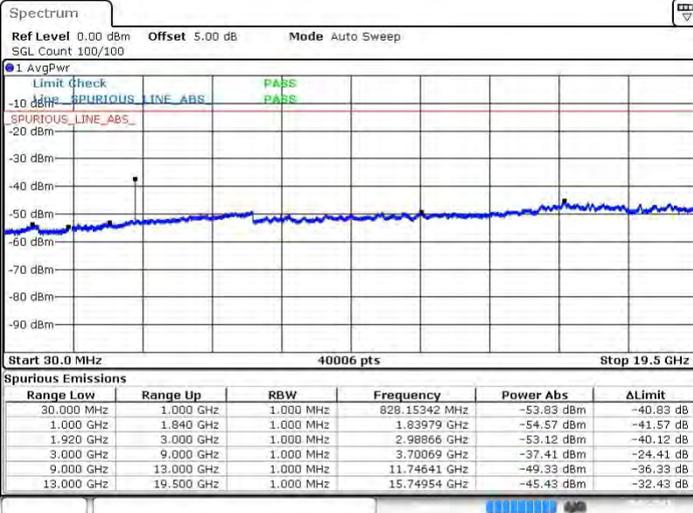
Date: 28 MAR 2015 09:10:55



LTE Band 2 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

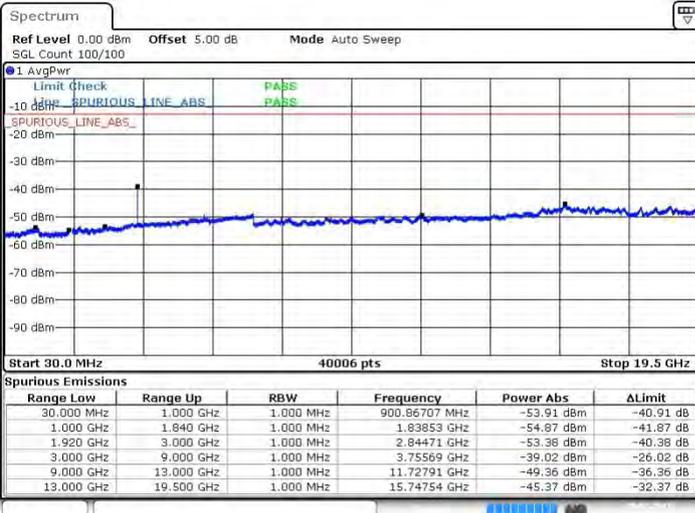
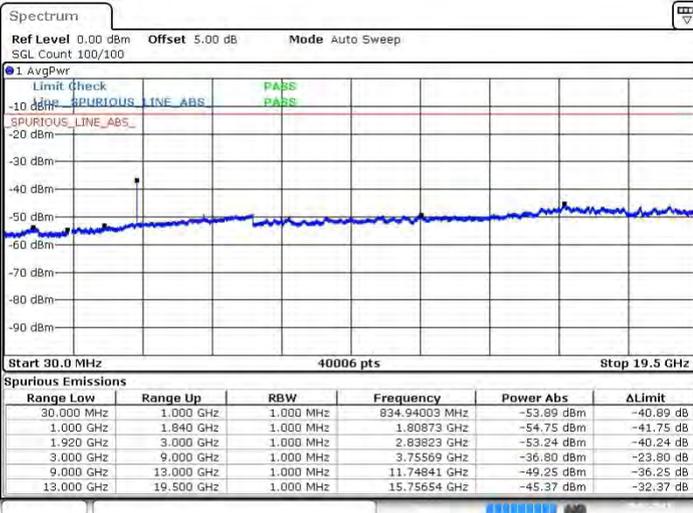


Date: 28 MAR 2015 09:13:00

Date: 28 MAR 2015 09:14:22

Middle Channel / QPSK

Middle Channel / 16QAM



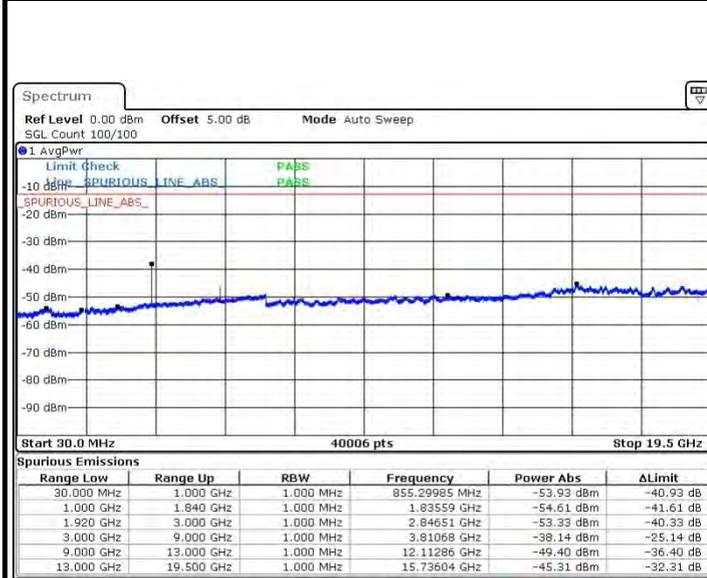
Date: 28 MAR 2015 09:16:28

Date: 28 MAR 2015 09:17:46



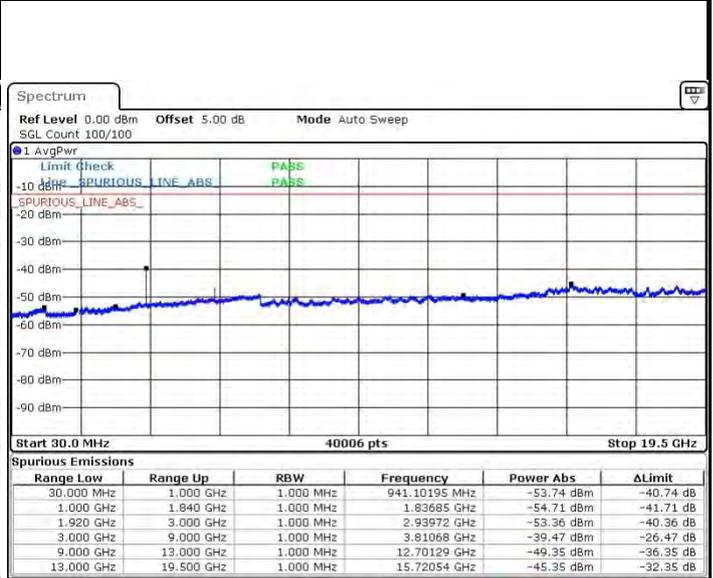
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 28 MAR 2015 09:19:52

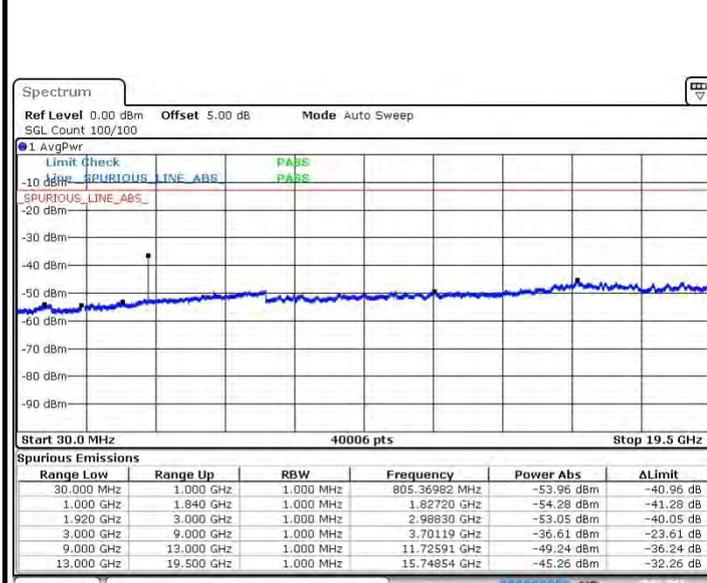
Highest Channel / 16QAM



Date: 28 MAR 2015 09:21:11

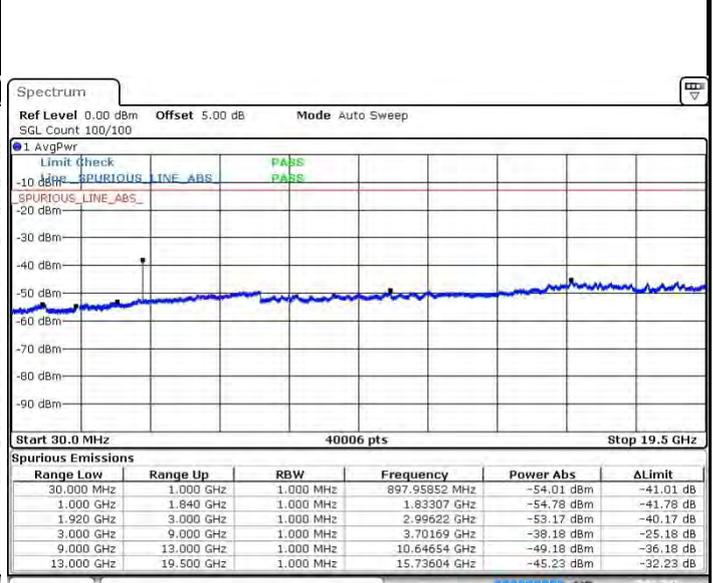
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 28 MAR 2015 09:23:16

Lowest Channel / 16QAM



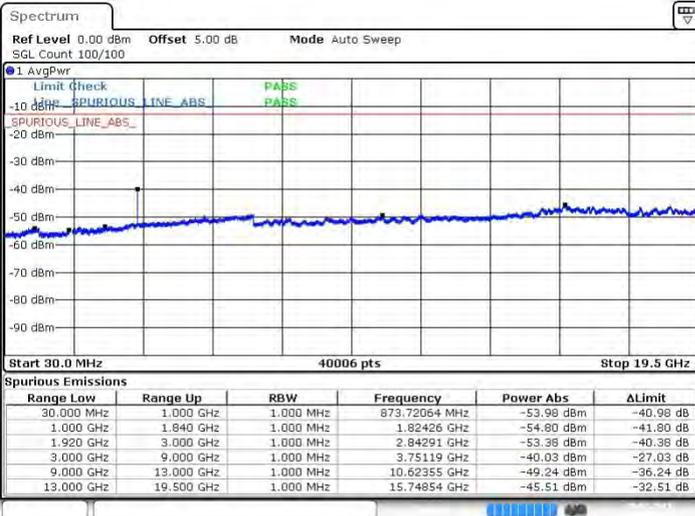
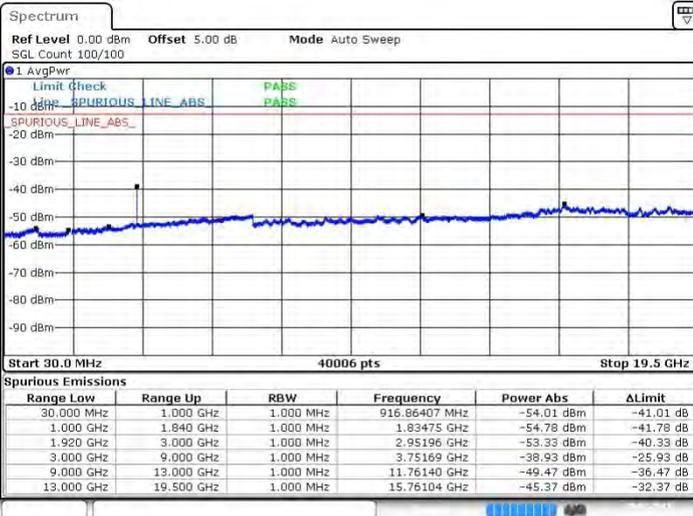
Date: 28 MAR 2015 09:24:35



LTE Band 2 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

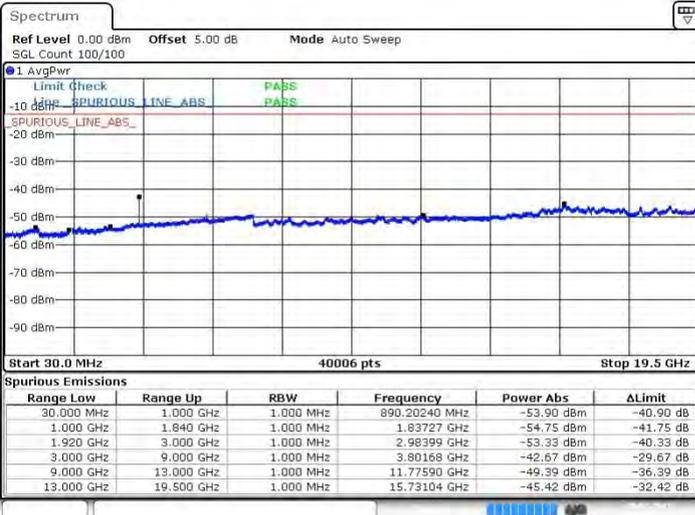
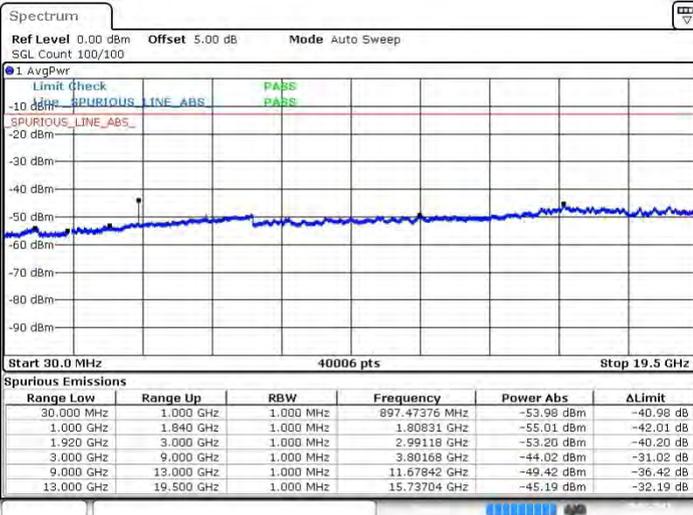


Date: 28 MAR 2015 09:26:37

Date: 28 MAR 2015 09:27:59

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28 MAR 2015 09:30:01

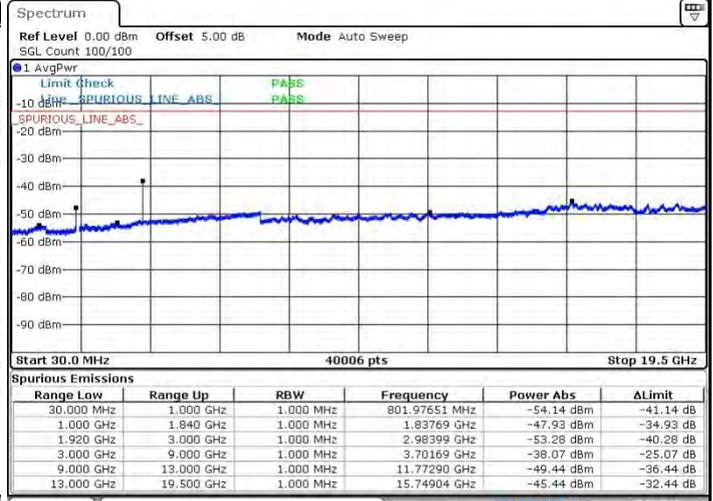
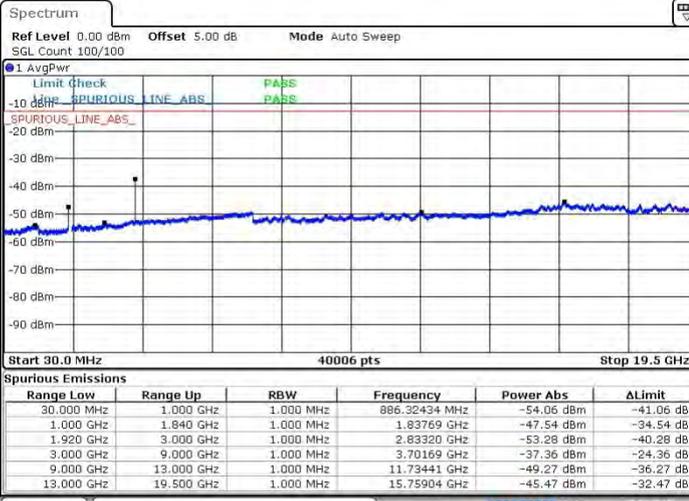
Date: 28 MAR 2015 09:31:23



LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

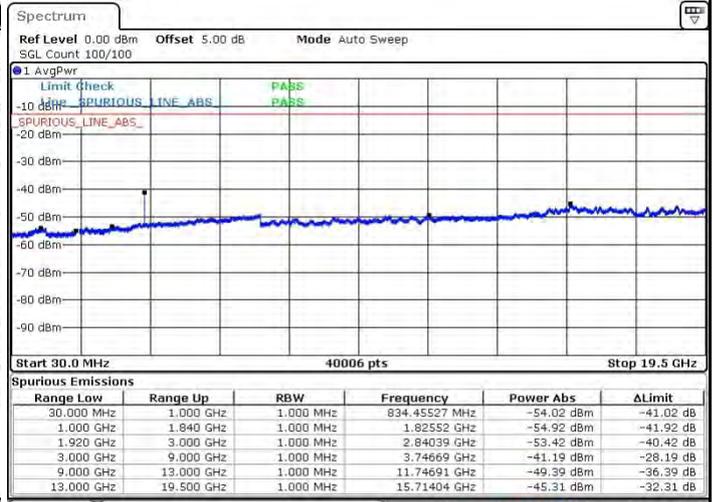
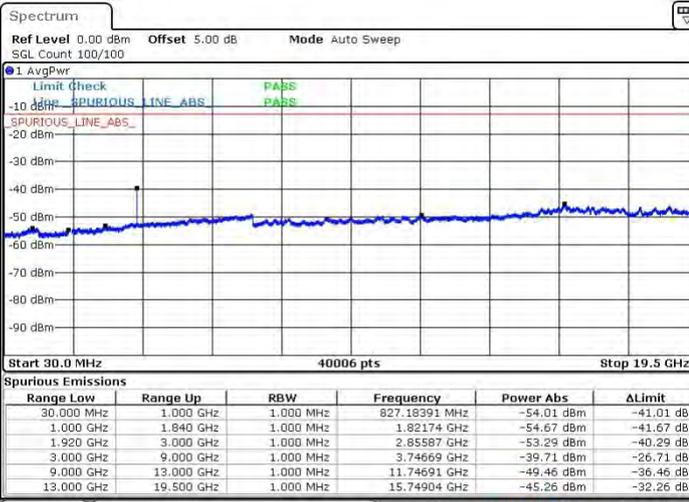


Date: 28 MAR 2015 09:33:28

Date: 28 MAR 2015 09:34:46

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 28 MAR 2015 09:36:52

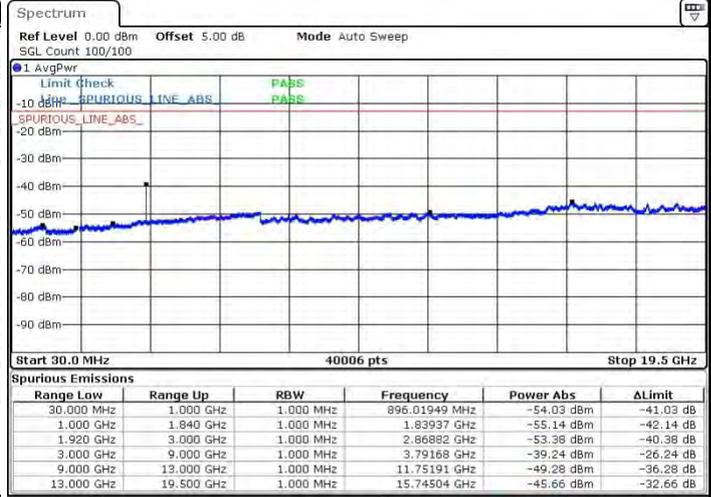
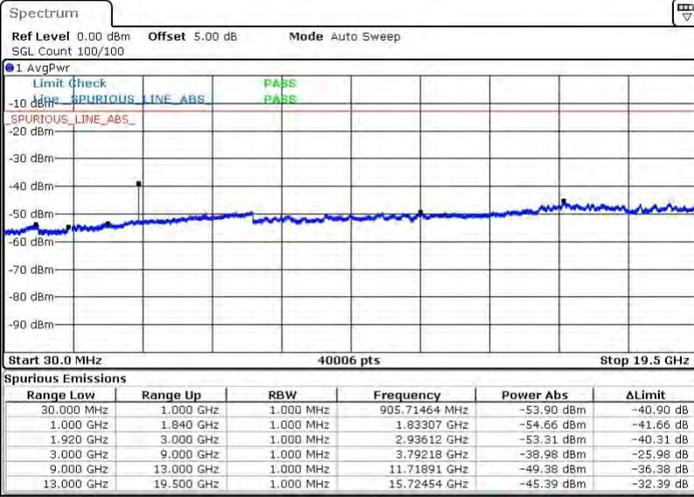
Date: 28 MAR 2015 09:38:13



LTE Band 2 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



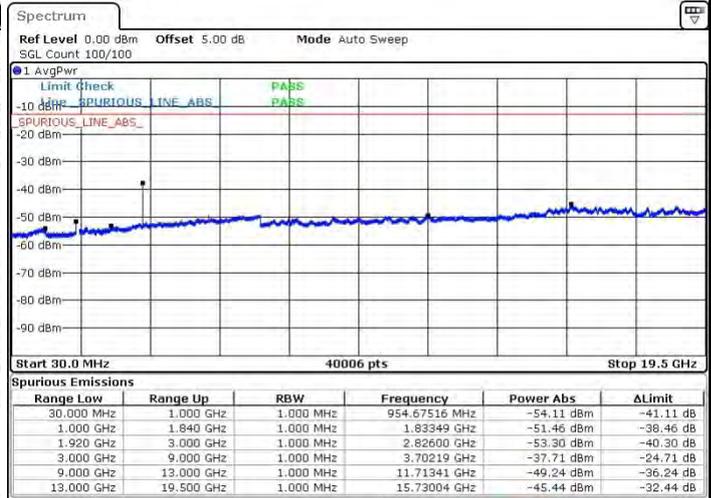
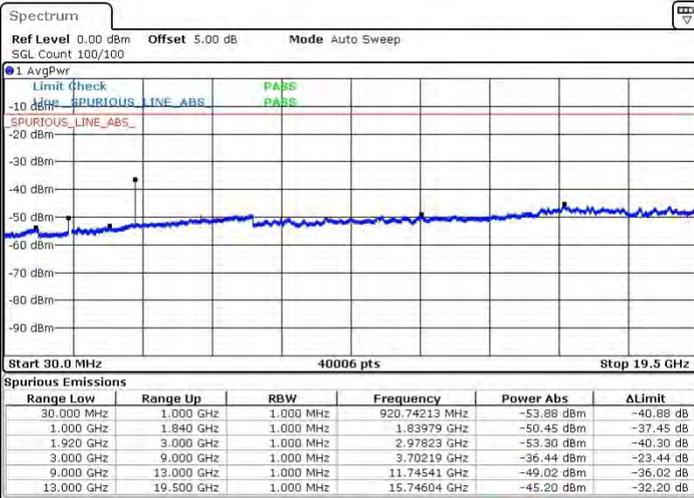
Date: 28 MAR 2015 09:40:19

Date: 28 MAR 2015 09:41:40

LTE Band 2 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 28 MAR 2015 09:43:45

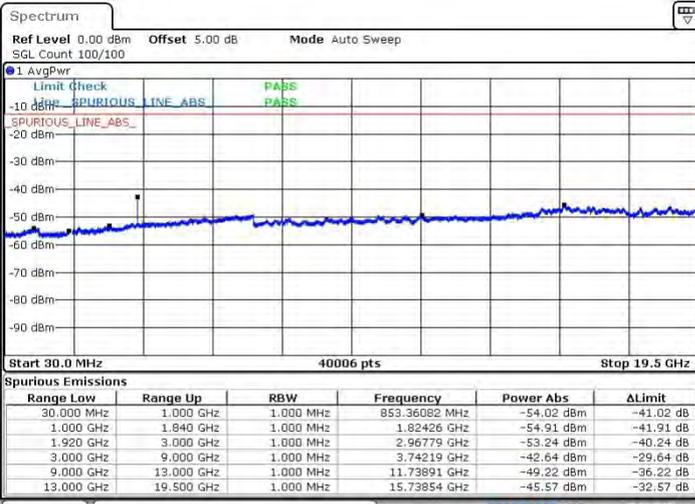
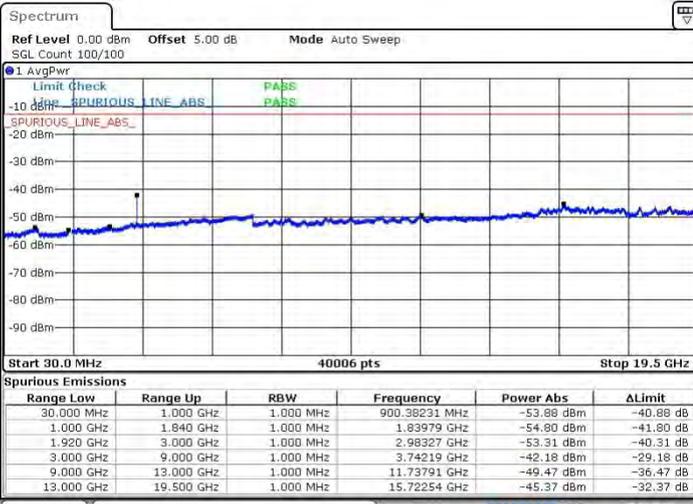
Date: 28 MAR 2015 09:45:04



LTE Band 2 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

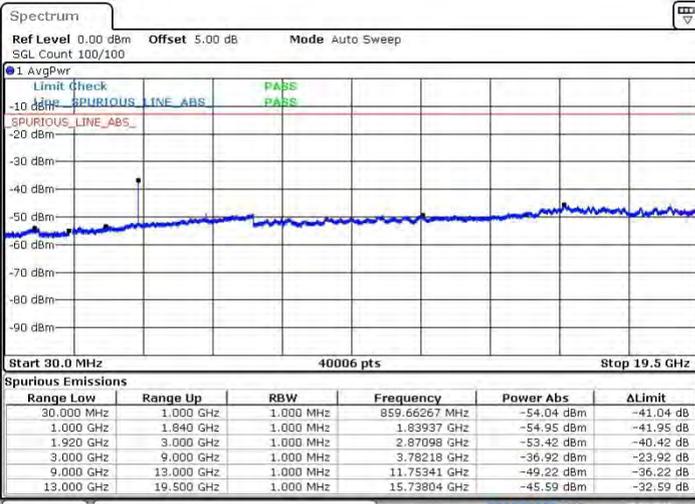
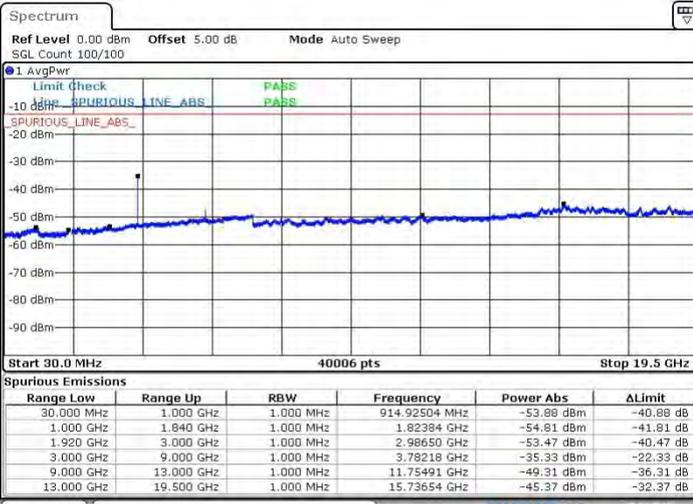


Date: 28 MAR 2015 09:47:09

Date: 28 MAR 2015 09:48:30

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28 MAR 2015 09:50:36

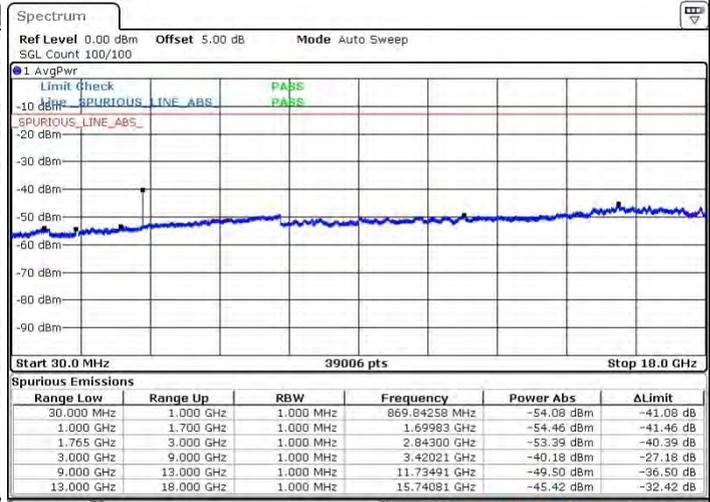
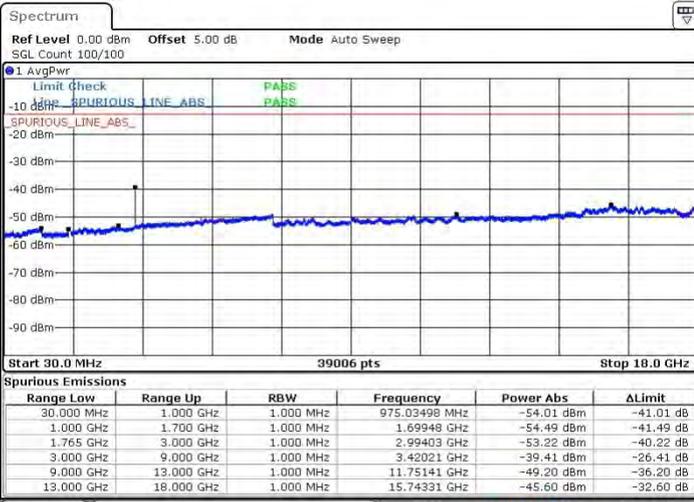
Date: 28 MAR 2015 09:51:54



LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

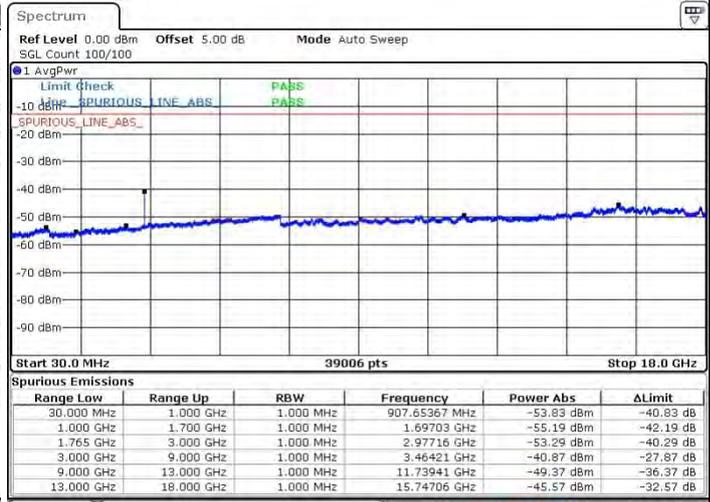
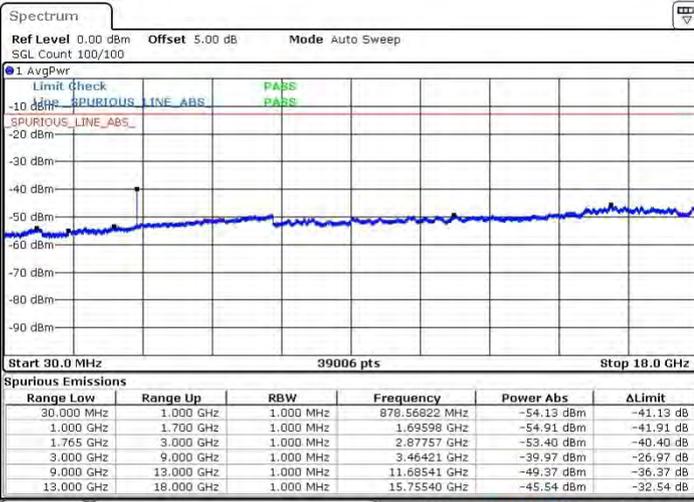


Date: 28 MAR 2015 11:08:57

Date: 28 MAR 2015 11:08:16

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 28 MAR 2015 11:10:21

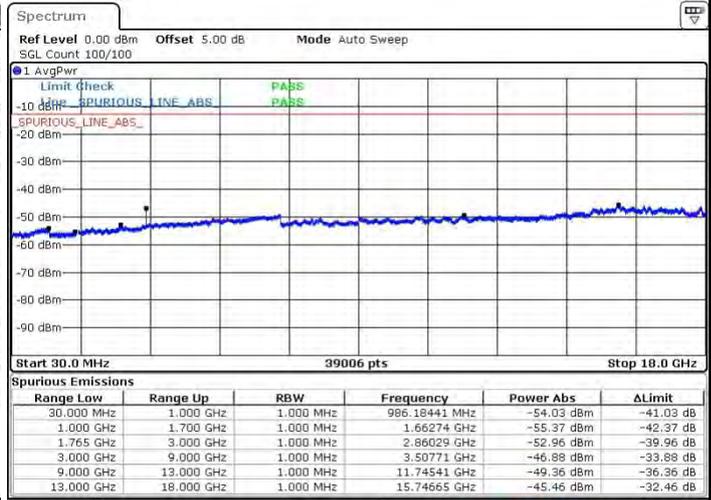
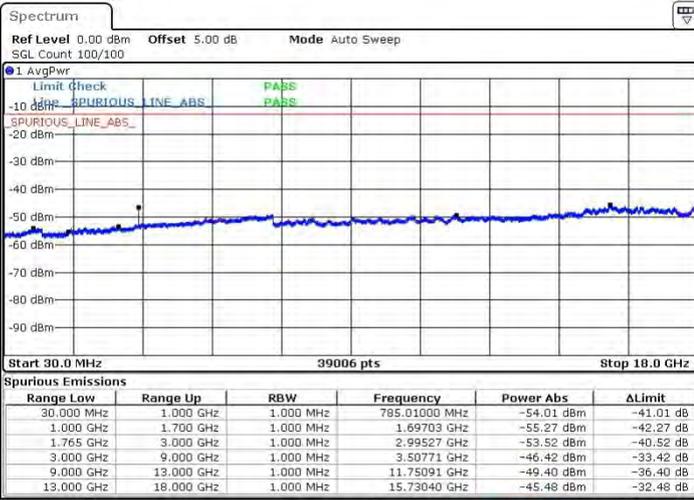
Date: 28 MAR 2015 11:11:40



LTE Band 4 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



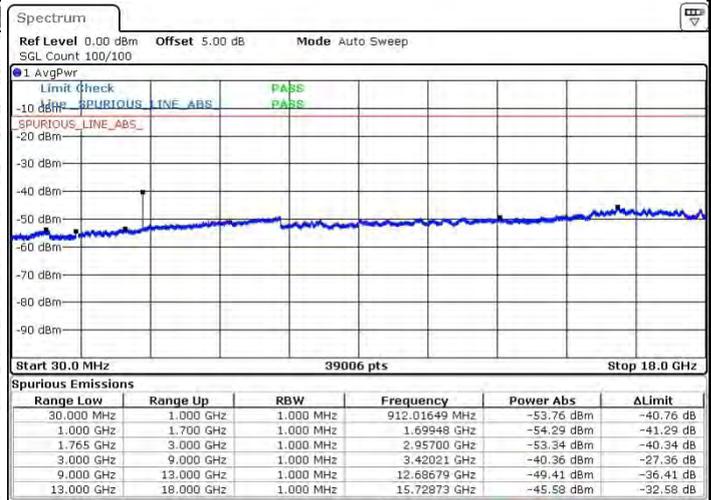
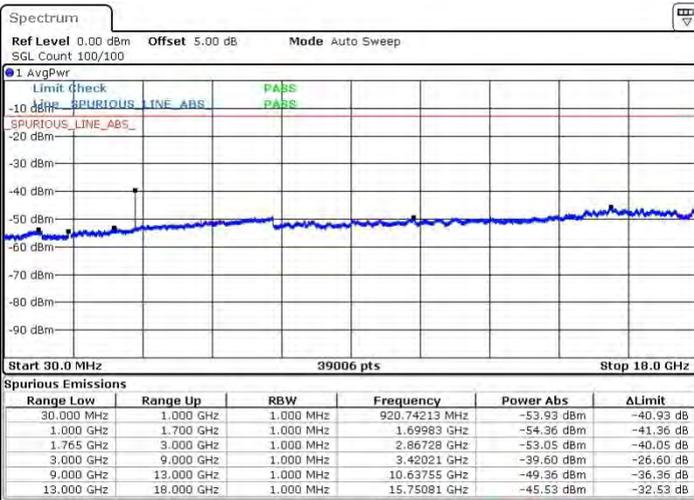
Date: 28 MAR 2015 11:13:43

Date: 28 MAR 2015 11:15:05

LTE Band 4 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 28 MAR 2015 11:17:10

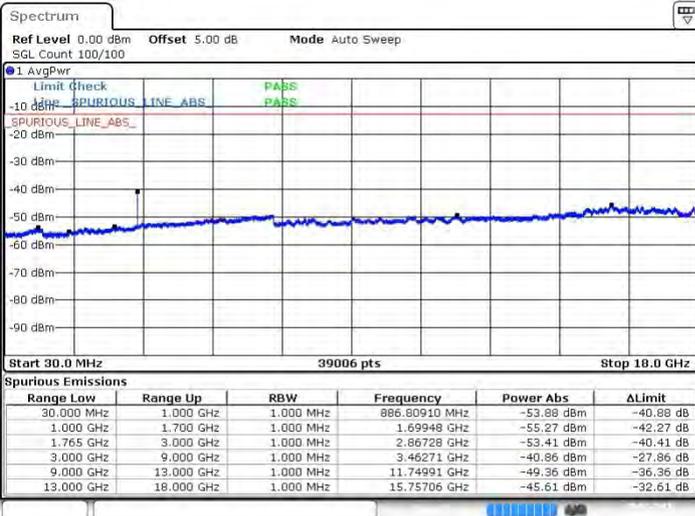
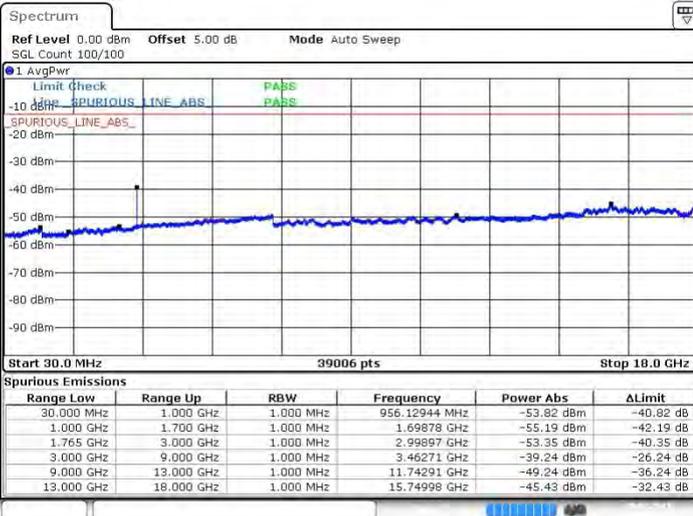
Date: 28 MAR 2015 11:18:32



LTE Band 4 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

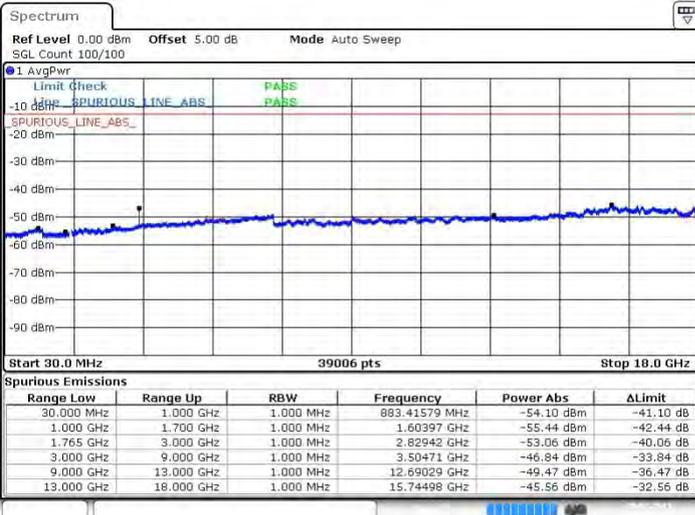
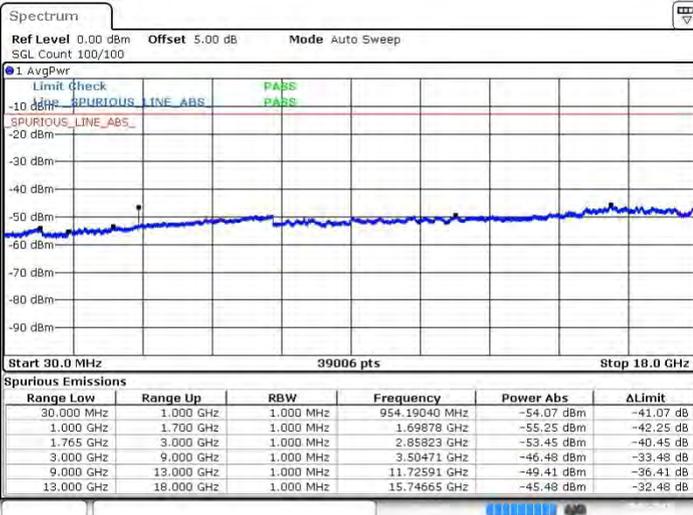


Date: 28 MAR 2015 11:20:37

Date: 28 MAR 2015 11:21:59

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28 MAR 2015 11:24:04

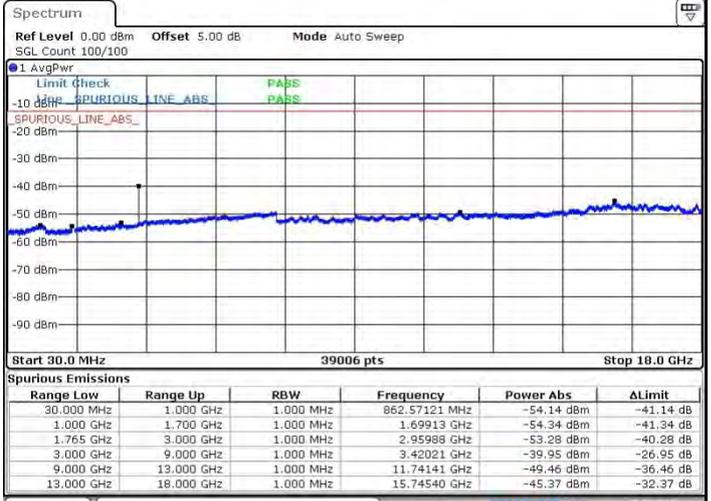
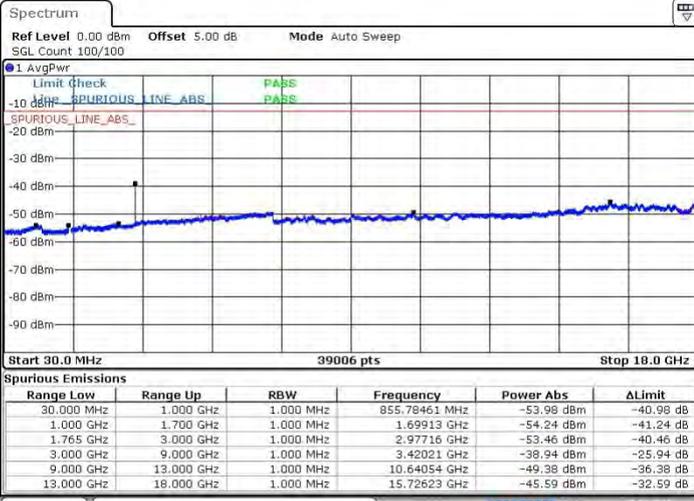
Date: 28 MAR 2015 11:25:25



LTE Band 4 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

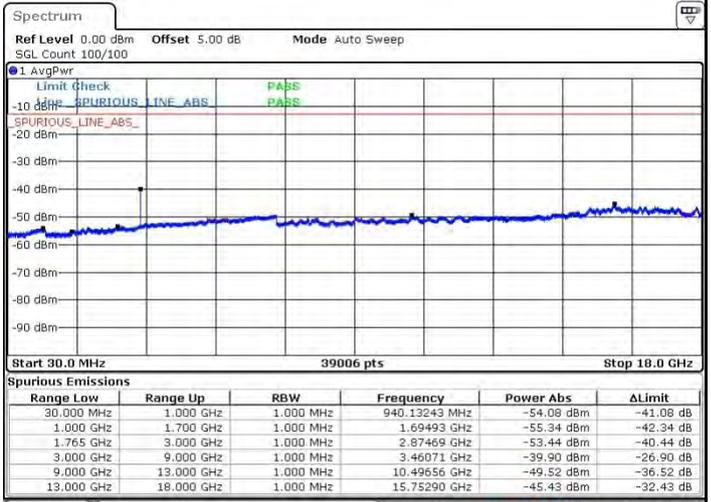
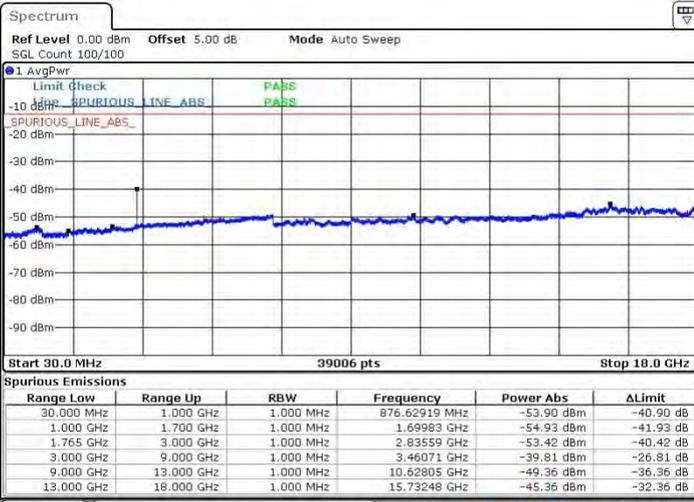


Date: 28 MAR 2015 11:27:28

Date: 28 MAR 2015 11:28:49

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 28 MAR 2015 11:30:52

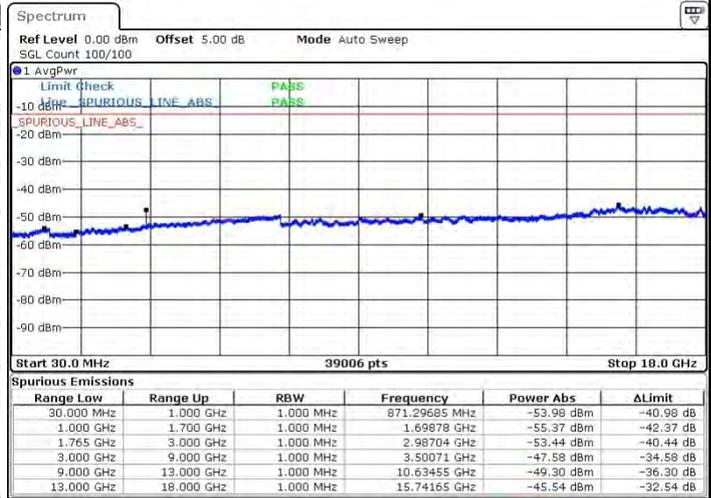
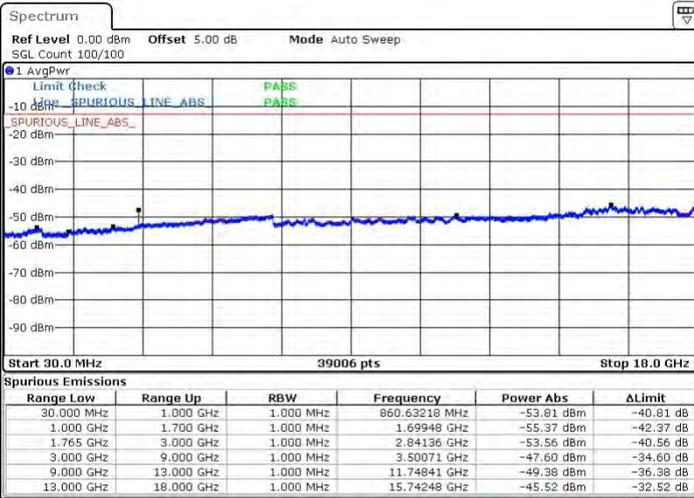
Date: 28 MAR 2015 11:32:11



LTE Band 4 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



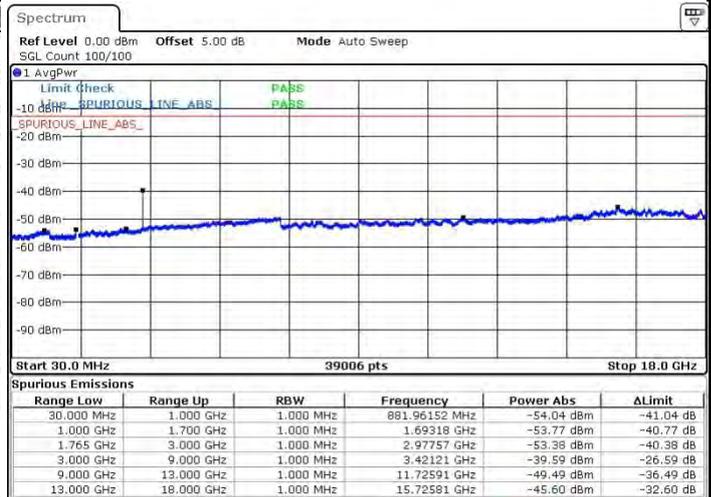
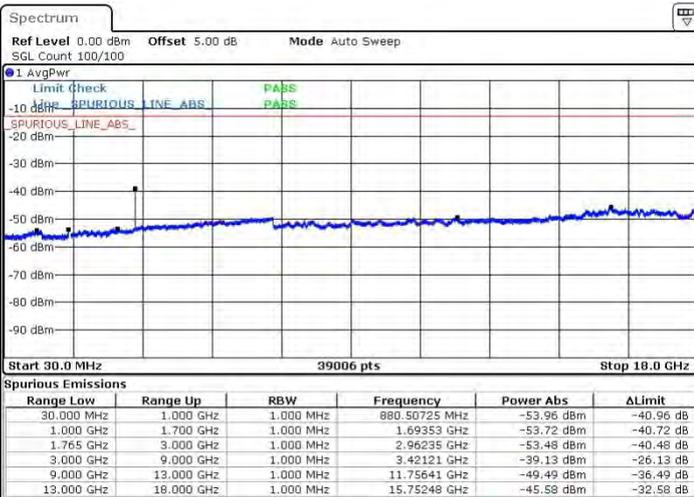
Date: 28 MAR 2015 11:34:16

Date: 28 MAR 2015 11:35:38

LTE Band 4 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 28 MAR 2015 11:37:40

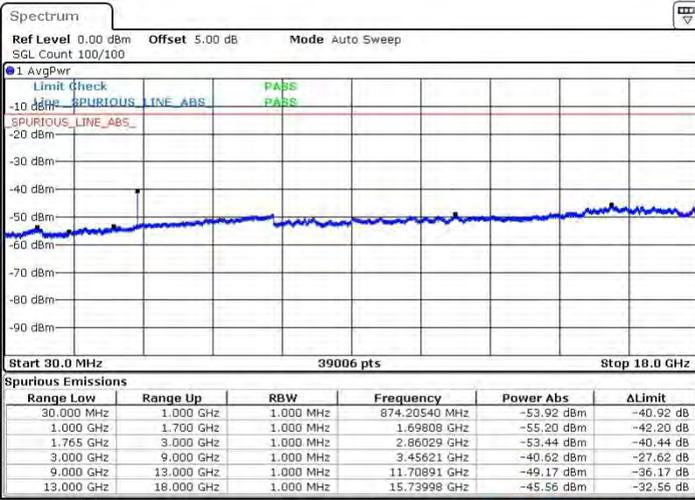
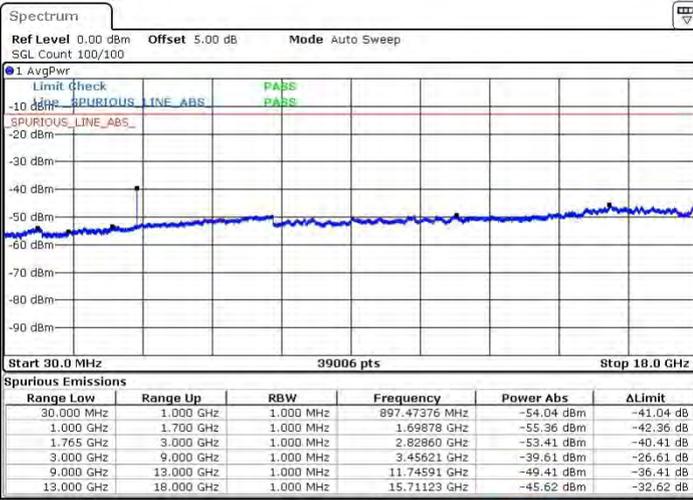
Date: 28 MAR 2015 11:38:59



LTE Band 4 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

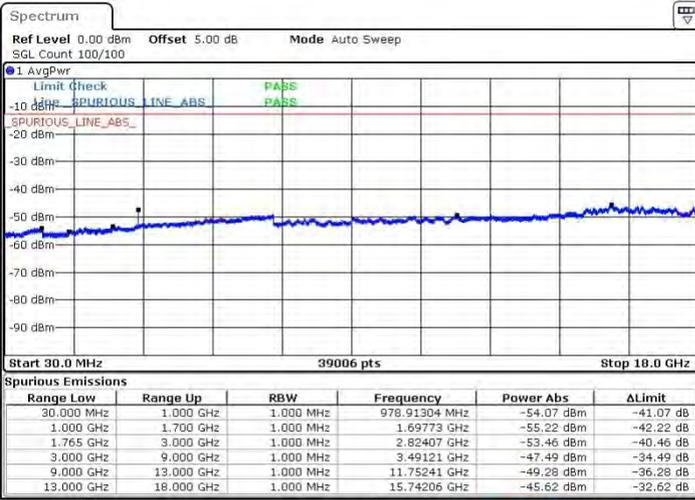
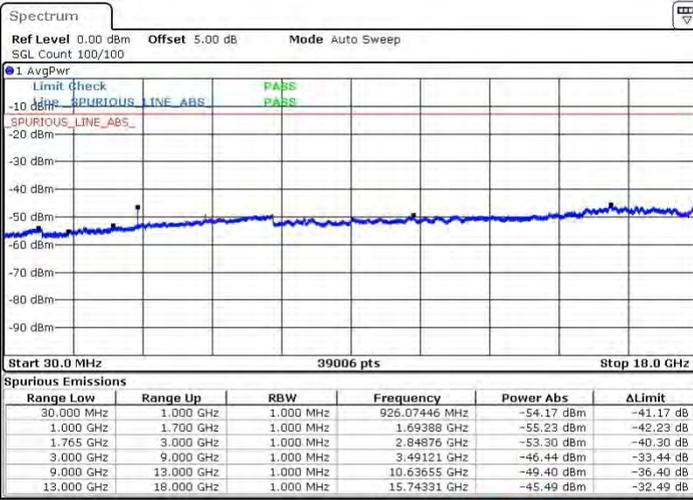


Date: 28 MAR 2015 11:41:02

Date: 28 MAR 2015 11:42:21

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28 MAR 2015 11:44:24

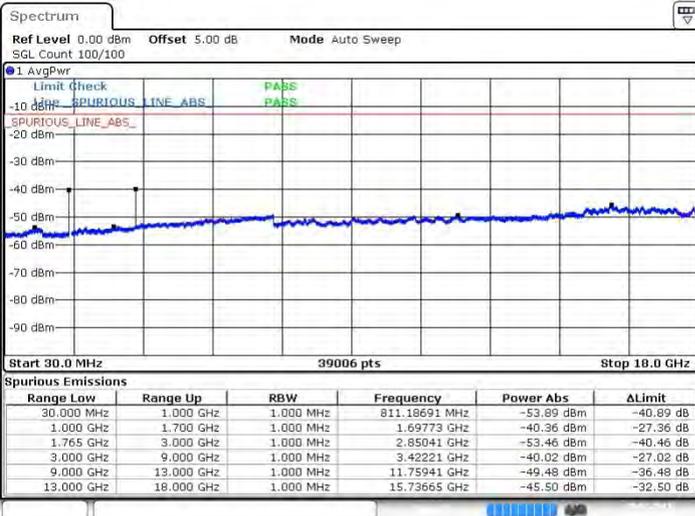
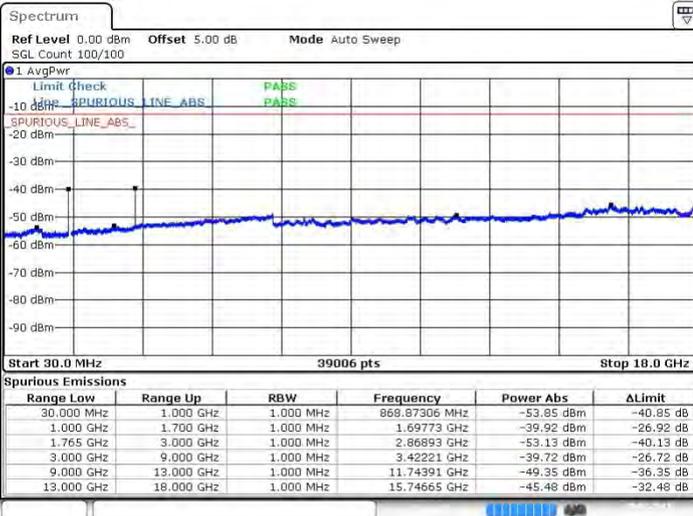
Date: 28 MAR 2015 11:45:43



LTE Band 4 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

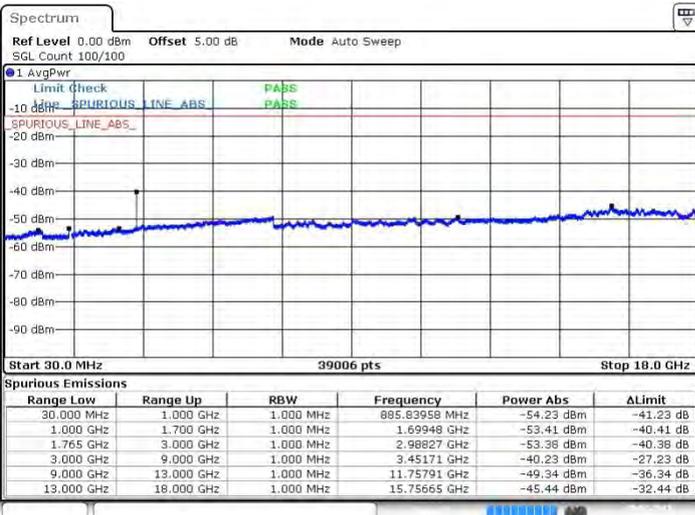
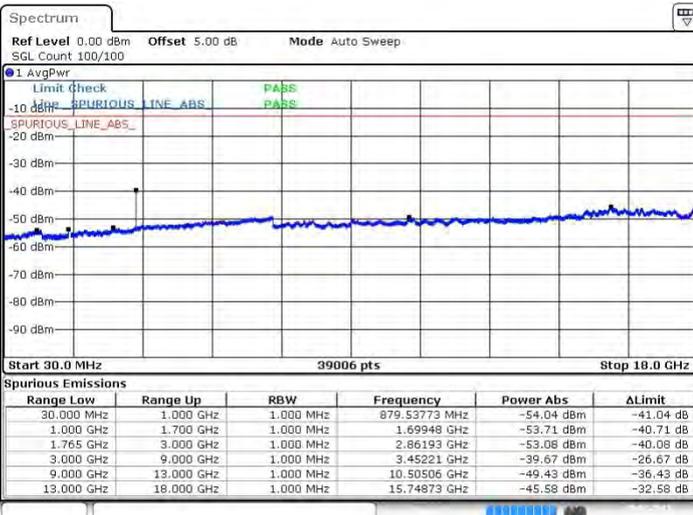


Date: 28 MAR 2015 11:47:45

Date: 28 MAR 2015 11:49:03

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 28 MAR 2015 11:51:06

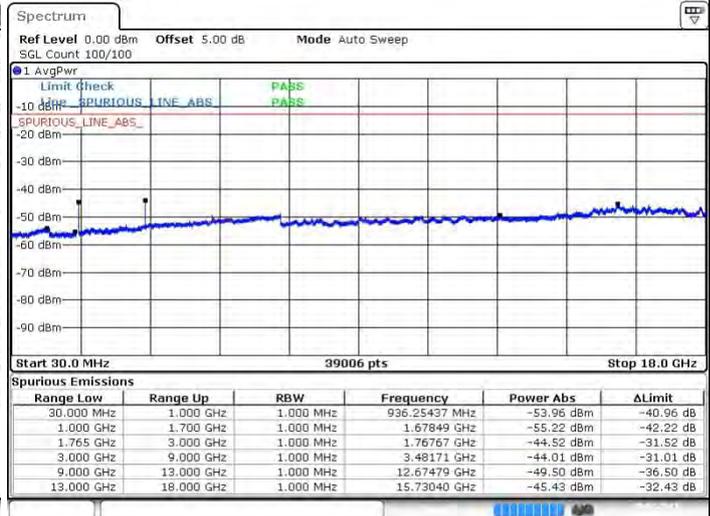
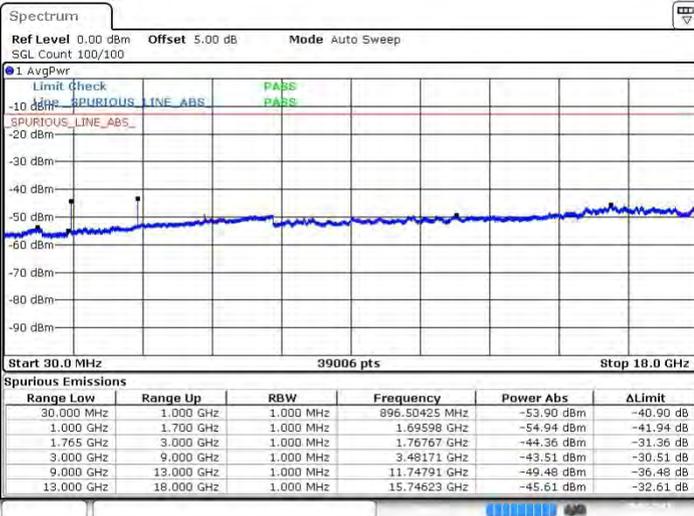
Date: 28 MAR 2015 11:52:25



LTE Band 4 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



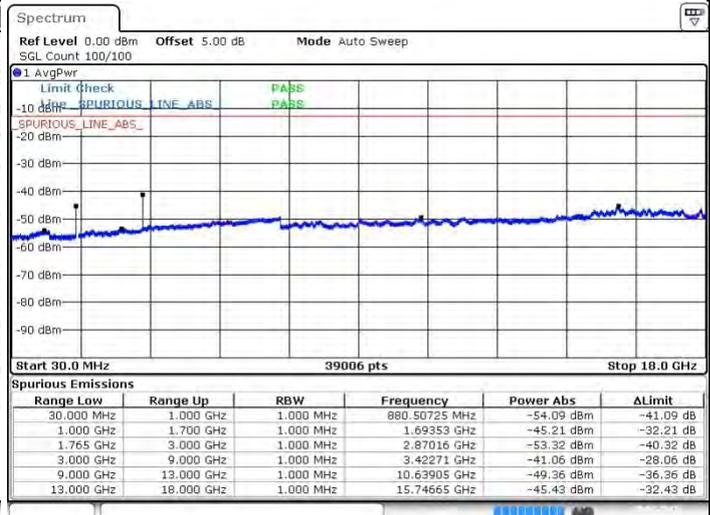
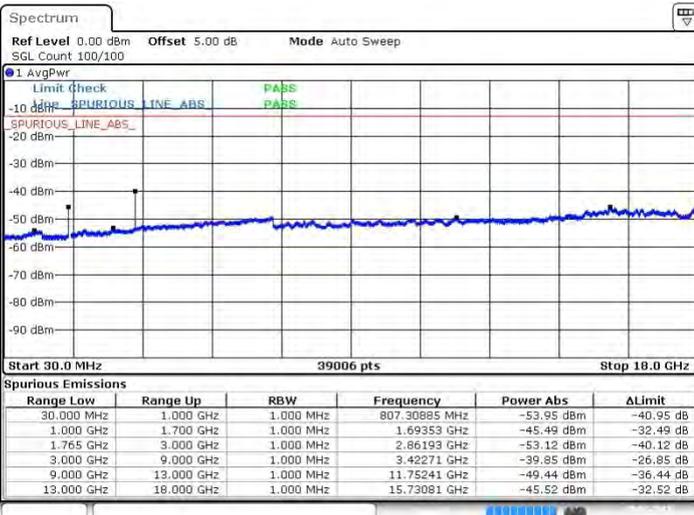
Date: 28 MAR 2015 11:54:31

Date: 28 MAR 2015 11:55:52

LTE Band 4 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 28 MAR 2015 11:57:58

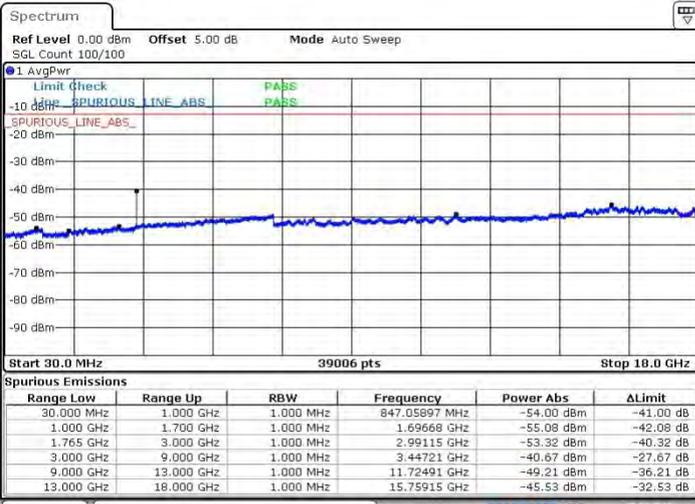
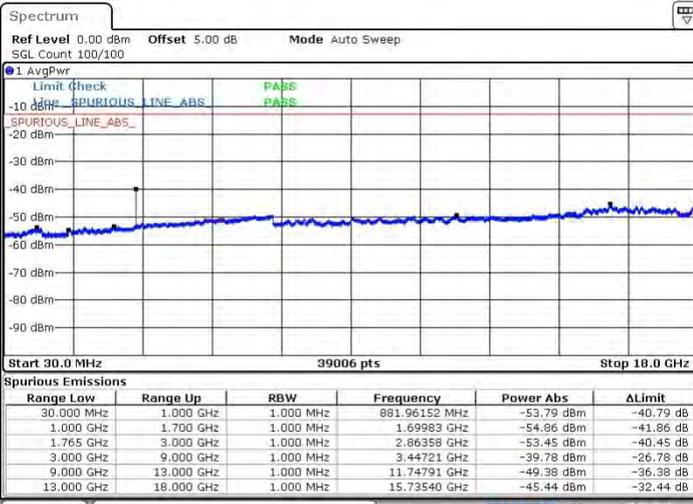
Date: 28 MAR 2015 11:59:17



LTE Band 4 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

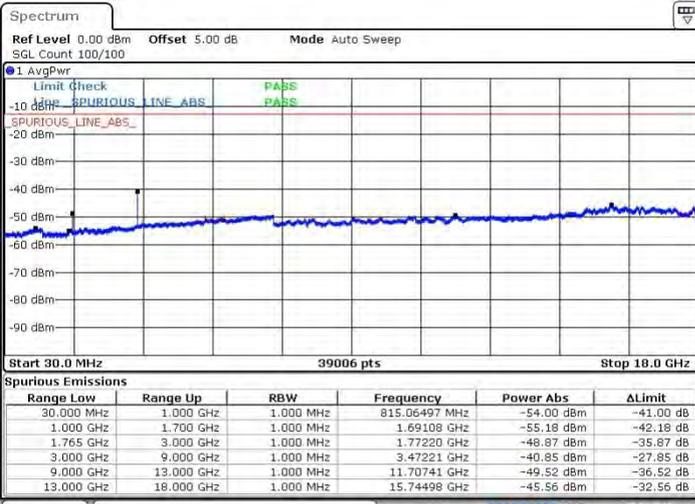
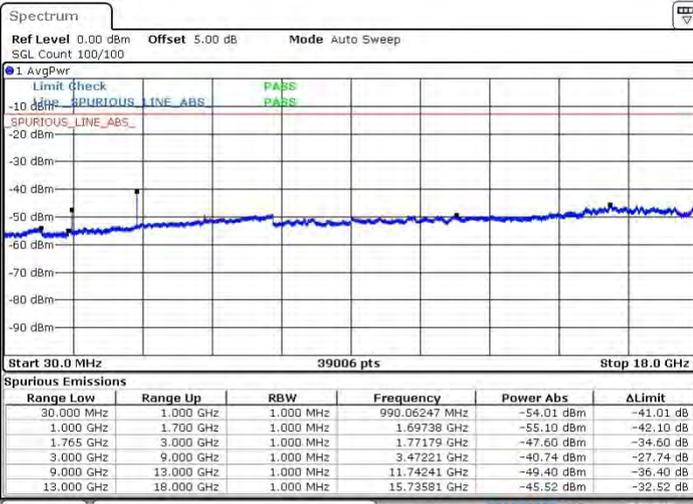


Date: 28 MAR 2015 12:01:19

Date: 28 MAR 2015 12:02:38

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28 MAR 2015 12:04:43

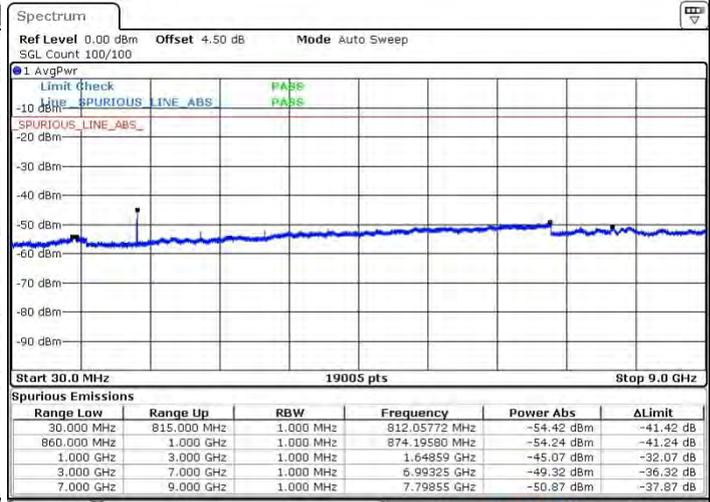
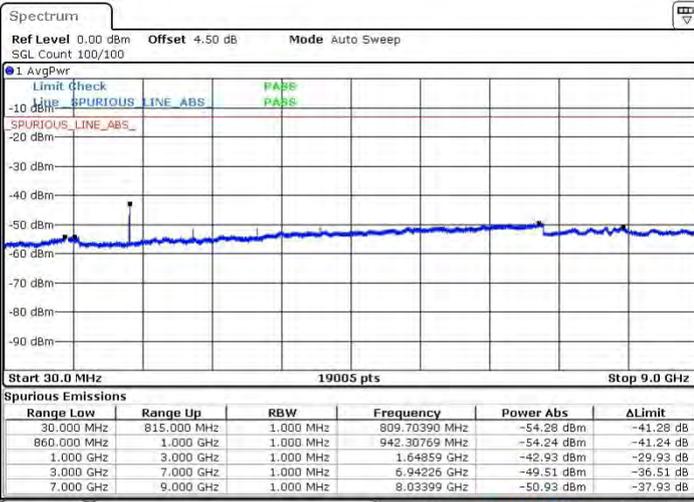
Date: 28 MAR 2015 12:06:05



LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

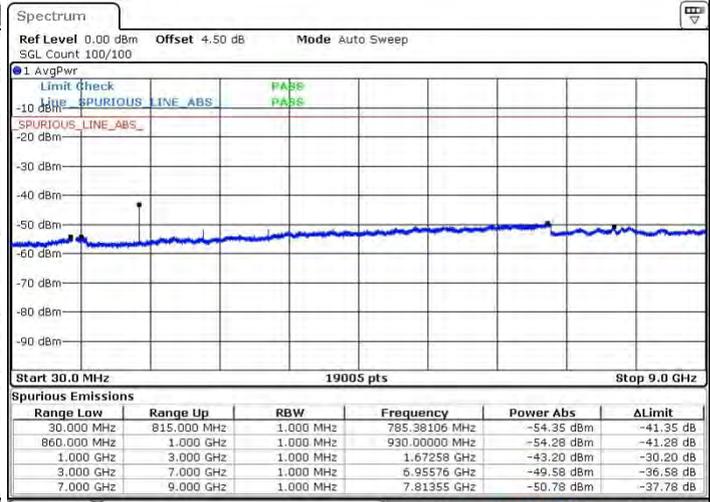
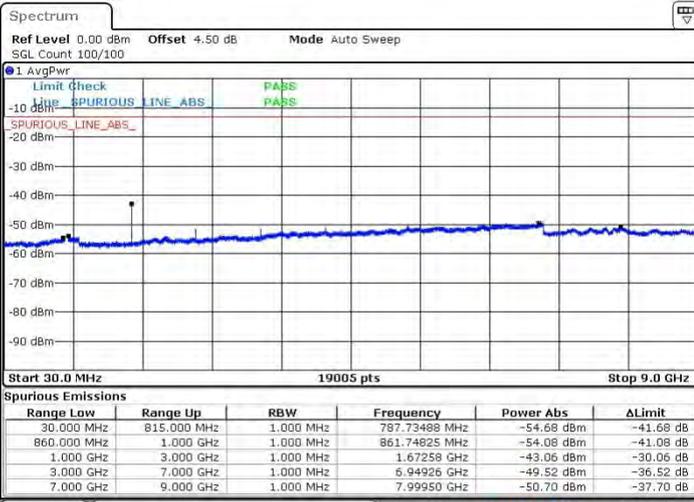


Date: 28 MAR 2015 20:58:01

Date: 28 MAR 2015 20:59:20

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 28 MAR 2015 21:01:25

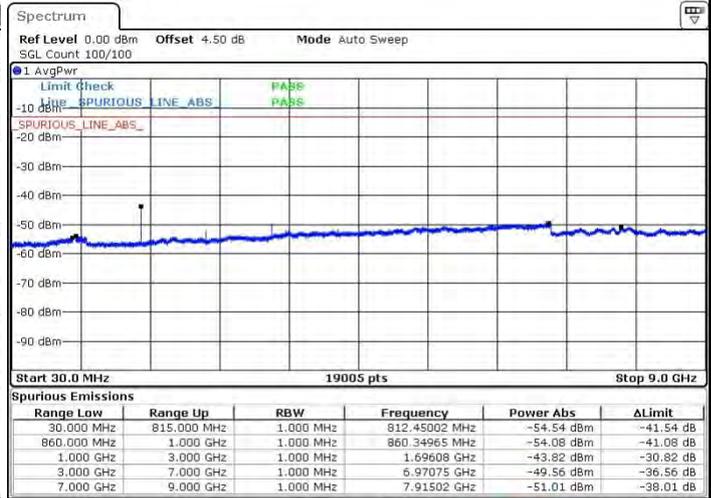
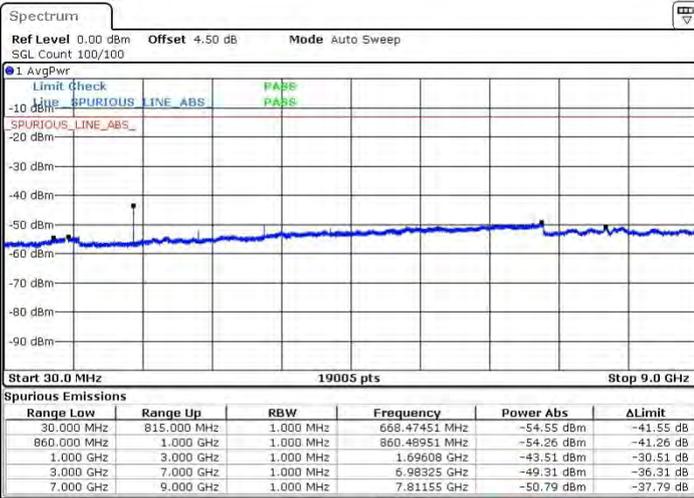
Date: 28 MAR 2015 21:02:46



LTE Band 5 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



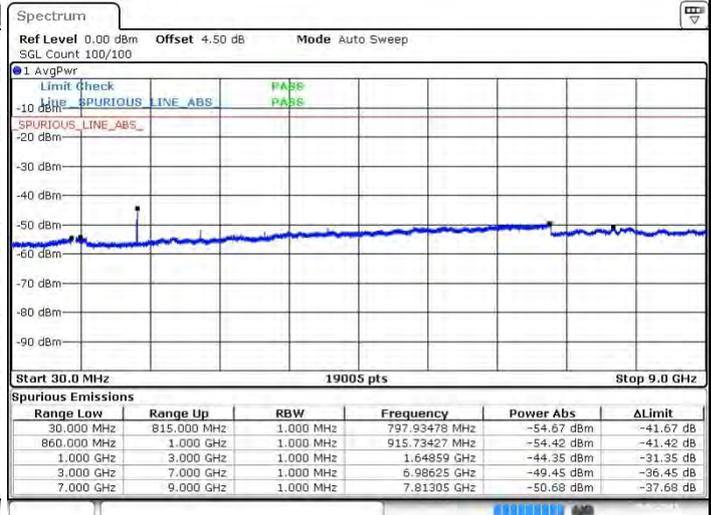
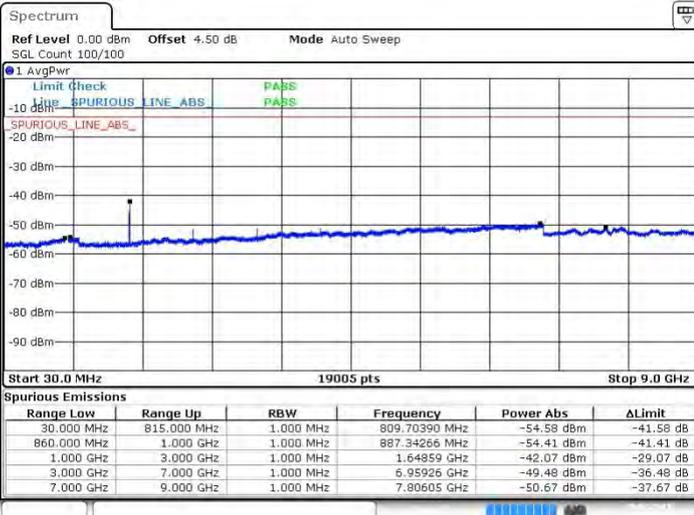
Date: 28 MAR 2015 21:04:48

Date: 28 MAR 2015 21:06:10

LTE Band 5 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 28 MAR 2015 21:08:12

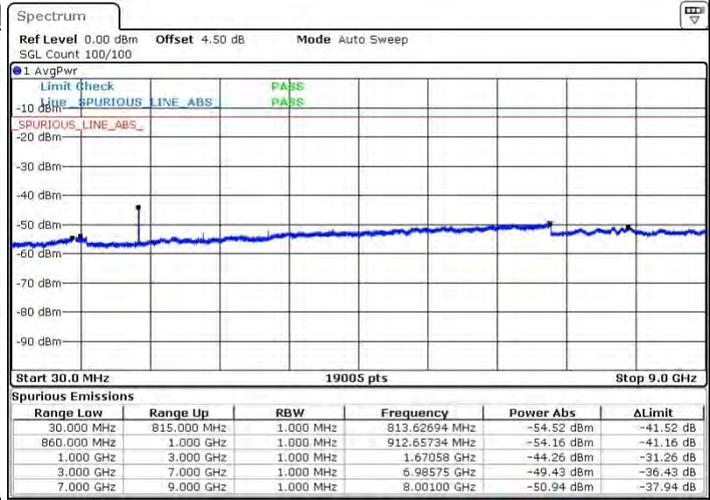
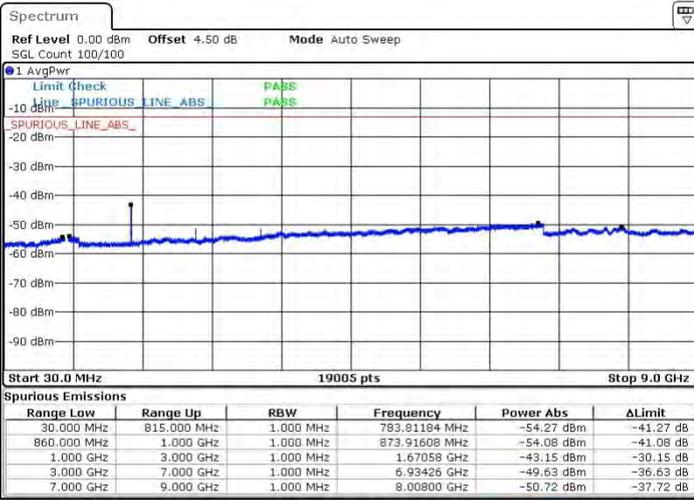
Date: 28 MAR 2015 21:09:33



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

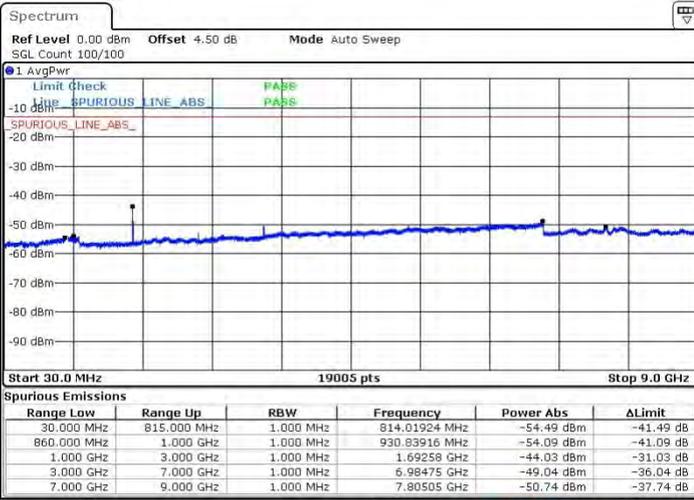


Date: 28 MAR 2015 21:11:35

Date: 28 MAR 2015 21:12:54

Highest Channel / QPSK

Highest Channel / 16QAM



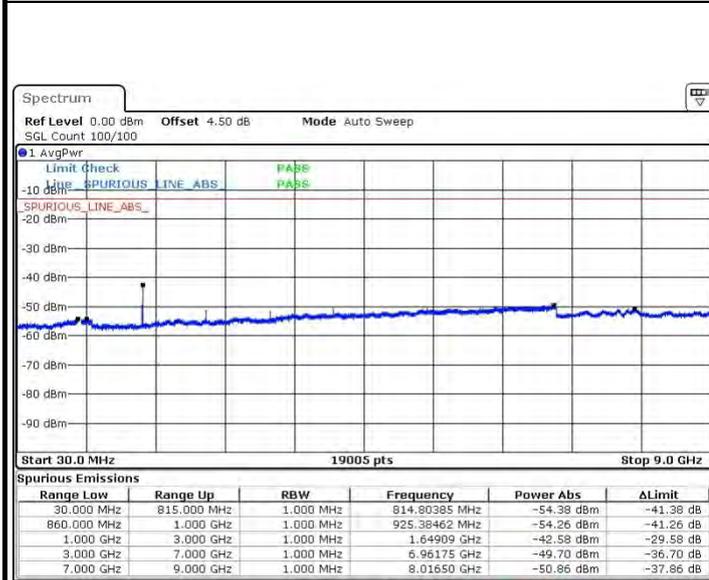
Date: 28 MAR 2015 21:14:59

Date: 28 MAR 2015 21:16:20



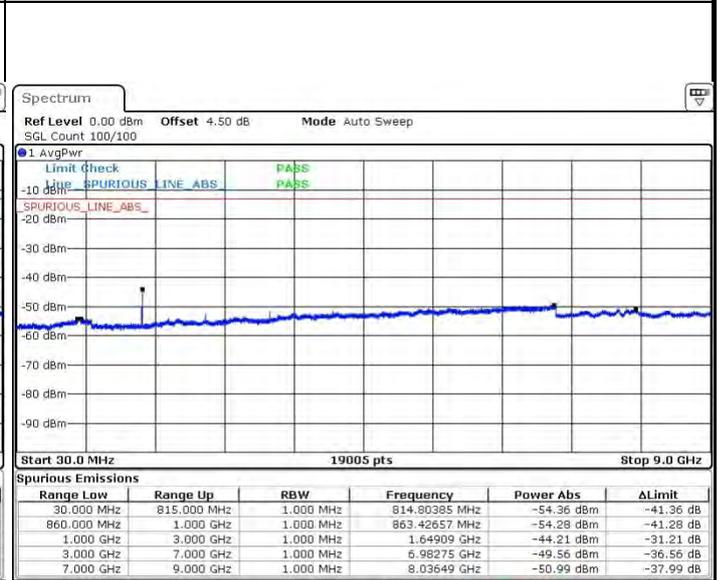
LTE Band 5 / 5MHz

Lowest Channel / QPSK



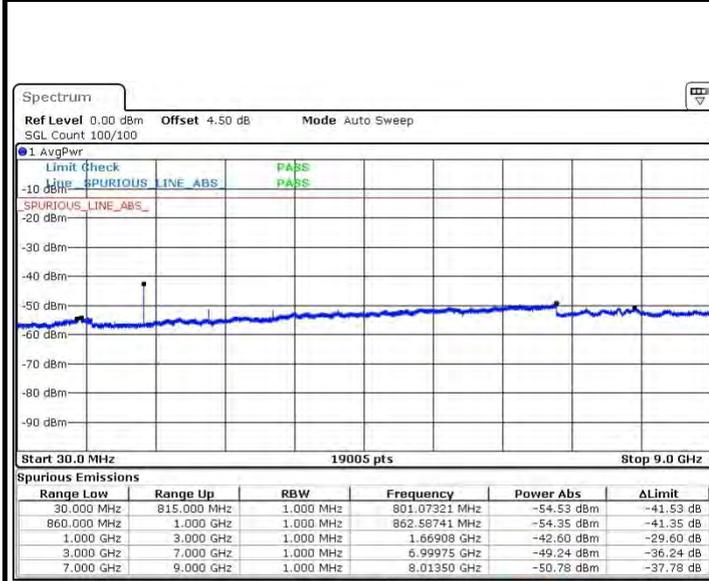
Date: 28 MAR 2015 21:18:25

Lowest Channel / 16QAM



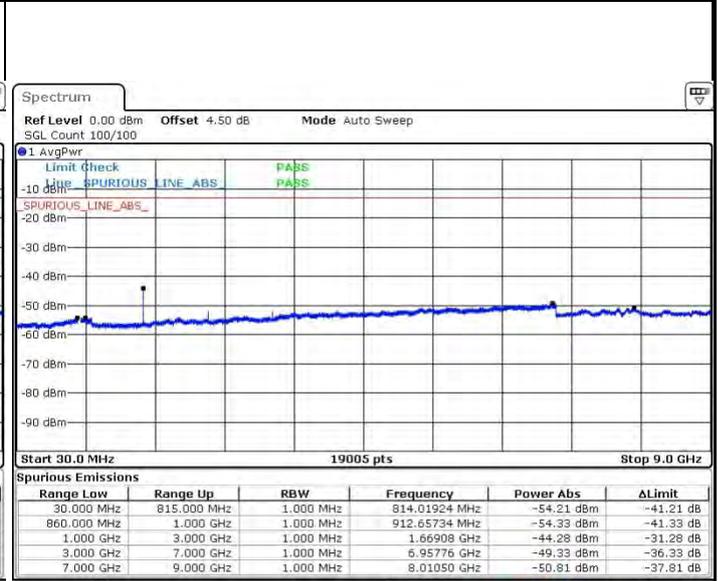
Date: 28 MAR 2015 21:19:43

Middle Channel / QPSK



Date: 28 MAR 2015 21:21:48

Middle Channel / 16QAM

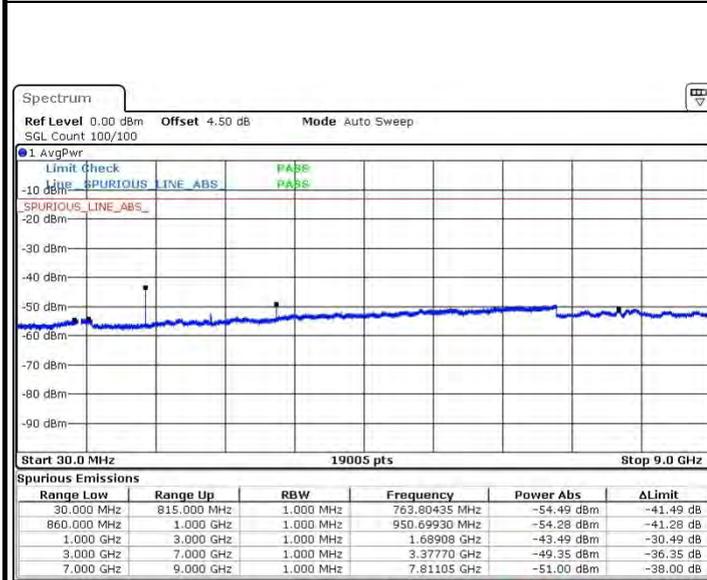


Date: 28 MAR 2015 21:23:09



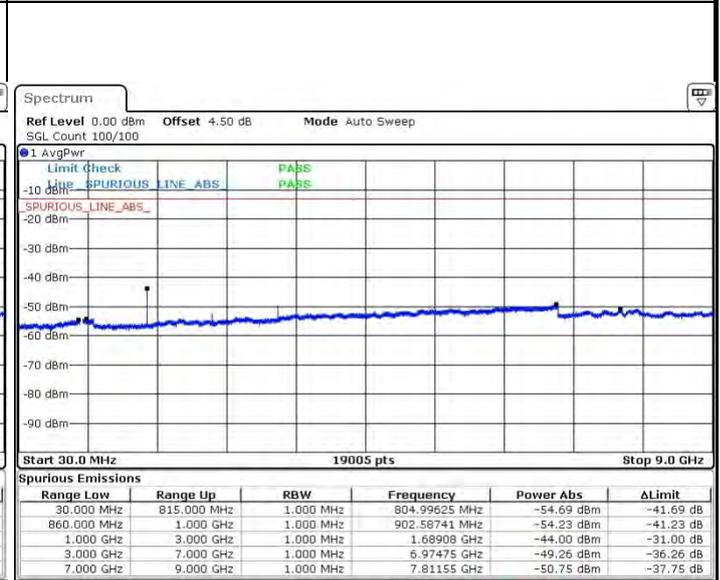
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 28 MAR 2015 21:25:14

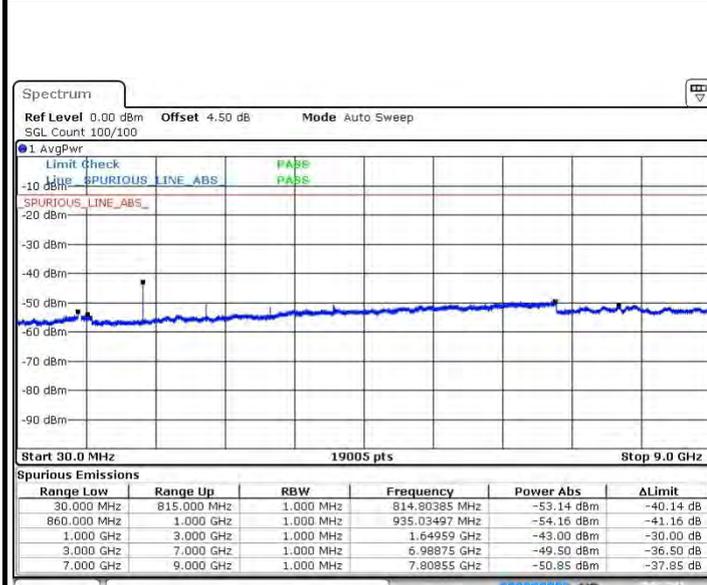
Highest Channel / 16QAM



Date: 28 MAR 2015 21:26:35

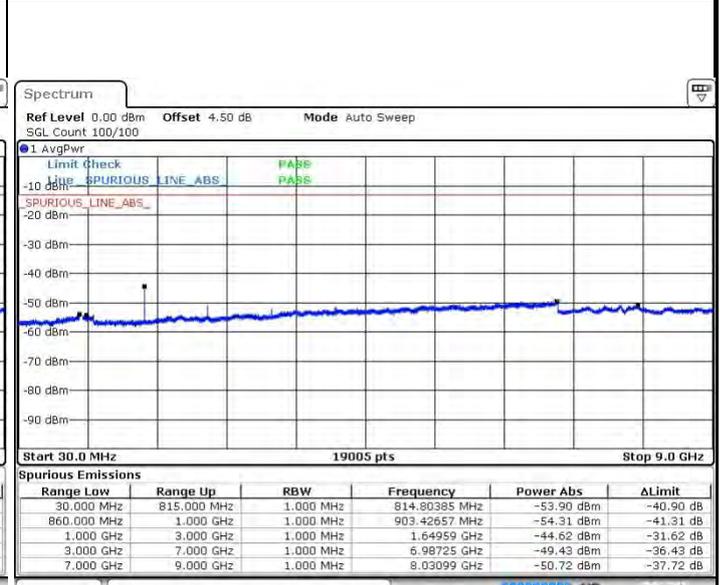
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 28 MAR 2015 21:28:40

Lowest Channel / 16QAM



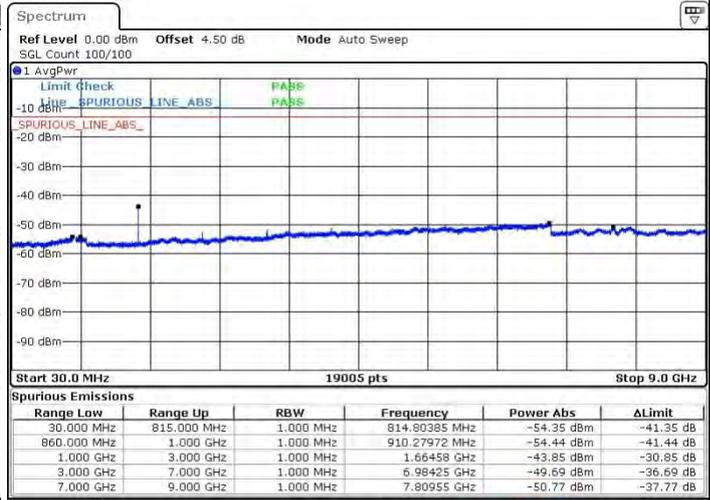
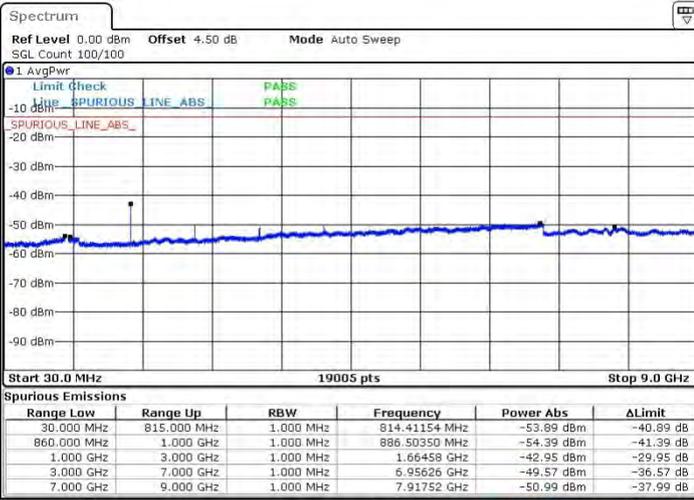
Date: 28 MAR 2015 21:29:58



LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

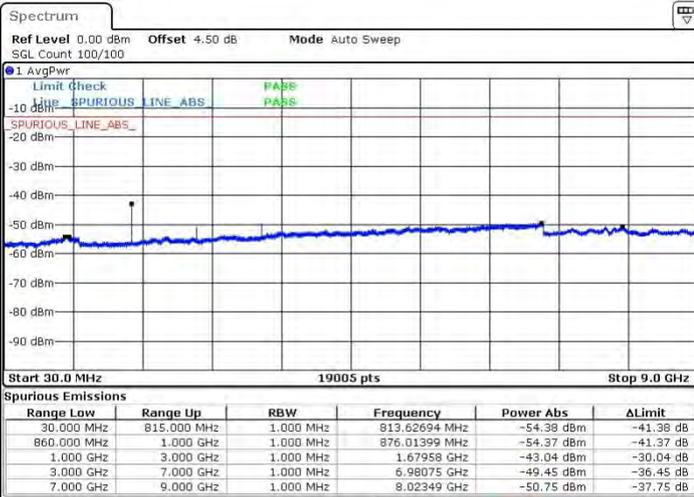


Date: 28 MAR 2015 21:31:59

Date: 28 MAR 2015 21:33:18

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28 MAR 2015 21:35:20

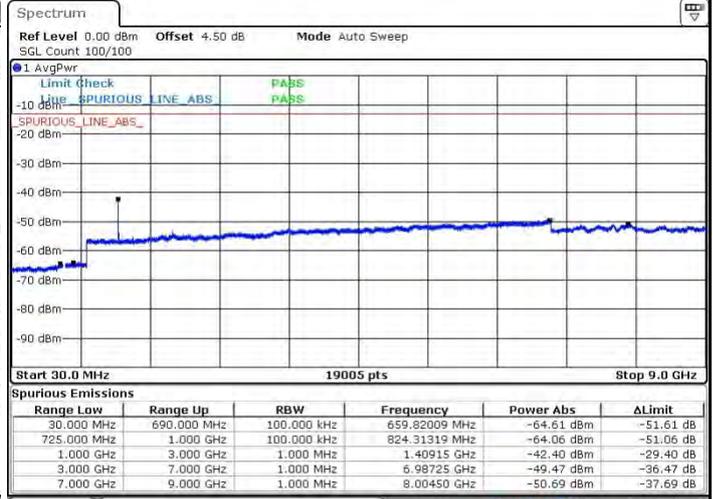
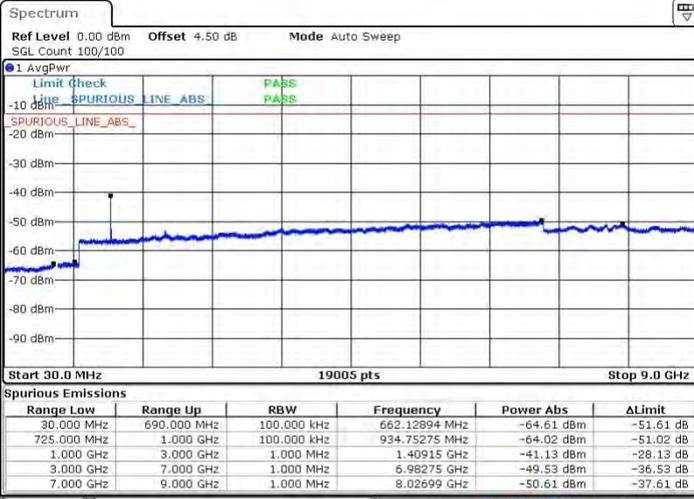
Date: 28 MAR 2015 21:36:38



LTE Band 17 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

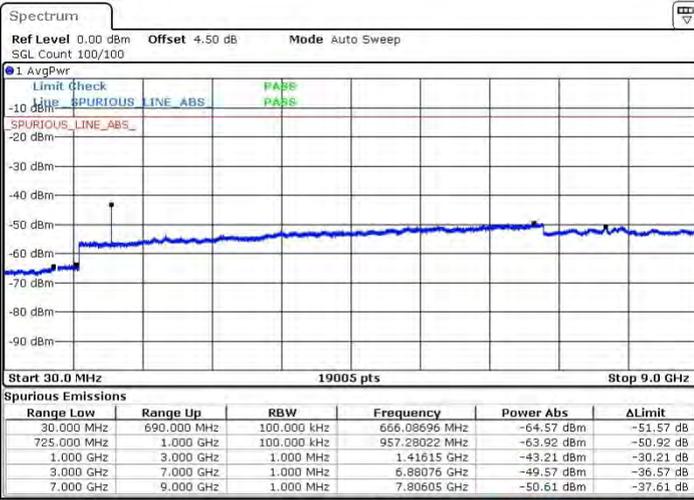


Date: 28 MAR 2015 19:42:26

Date: 28 MAR 2015 19:43:45

Middle Channel / QPSK

Middle Channel / 16QAM



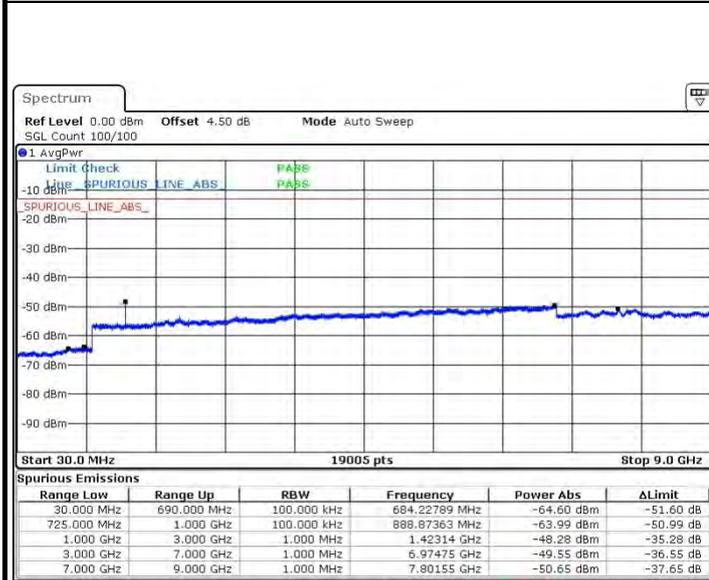
Date: 28 MAR 2015 19:45:47

Date: 28 MAR 2015 19:47:05



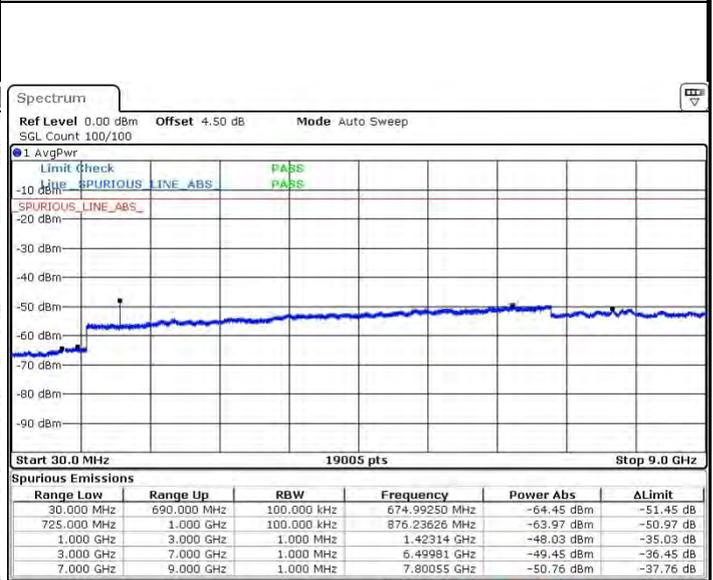
LTE Band 17 / 5MHz

Highest Channel / QPSK



Date: 28 MAR 2015 19:49:07

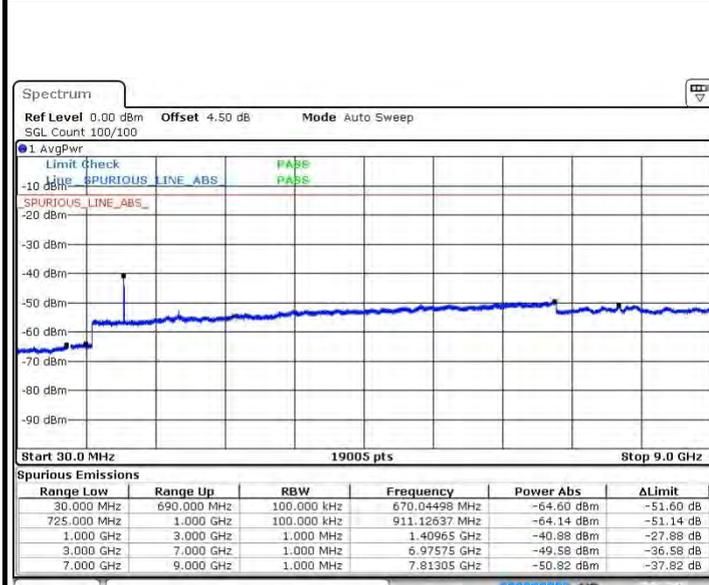
Highest Channel / 16QAM



Date: 28 MAR 2015 19:50:28

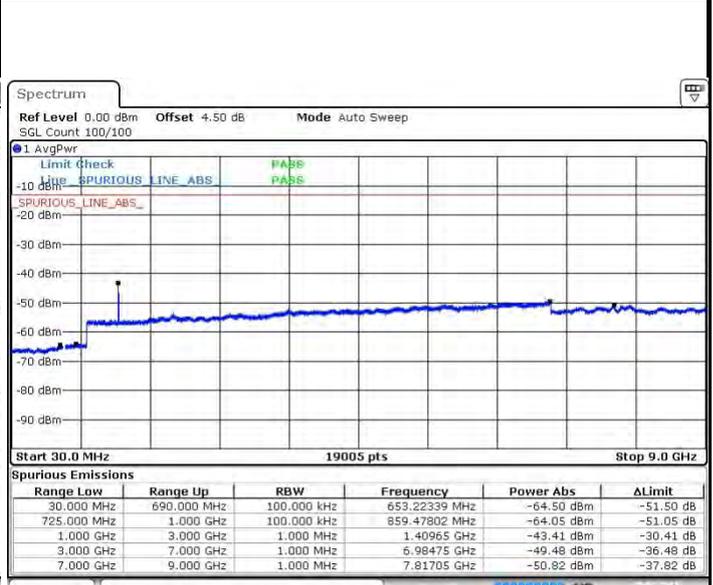
LTE Band 17 / 10MHz

Lowest Channel / QPSK



Date: 28 MAR 2015 19:52:33

Lowest Channel / 16QAM



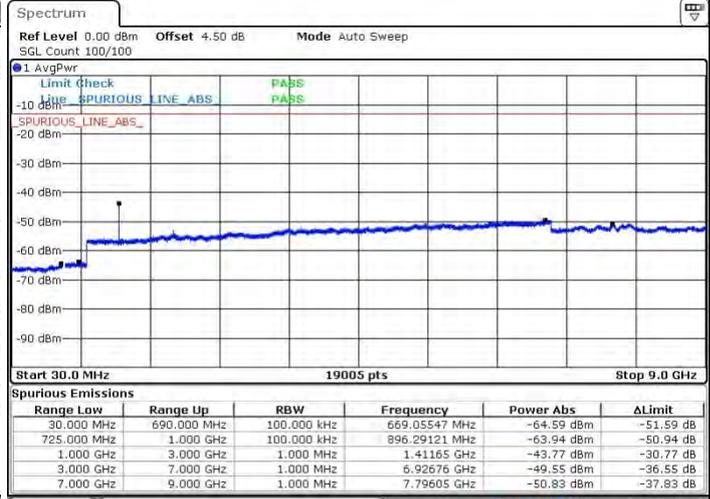
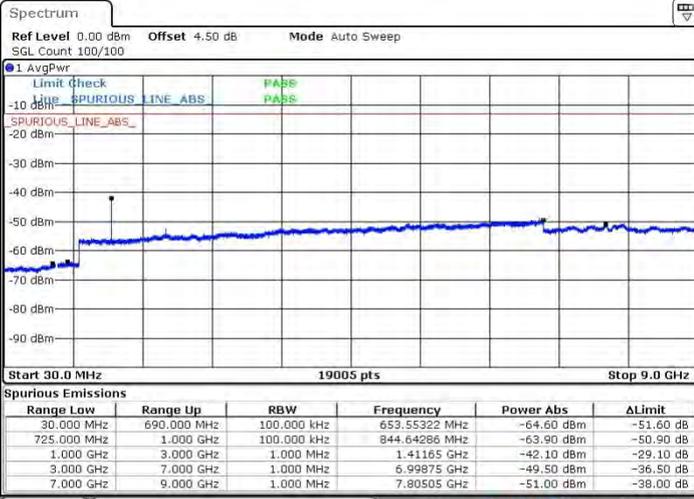
Date: 28 MAR 2015 19:53:54



LTE Band 17 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

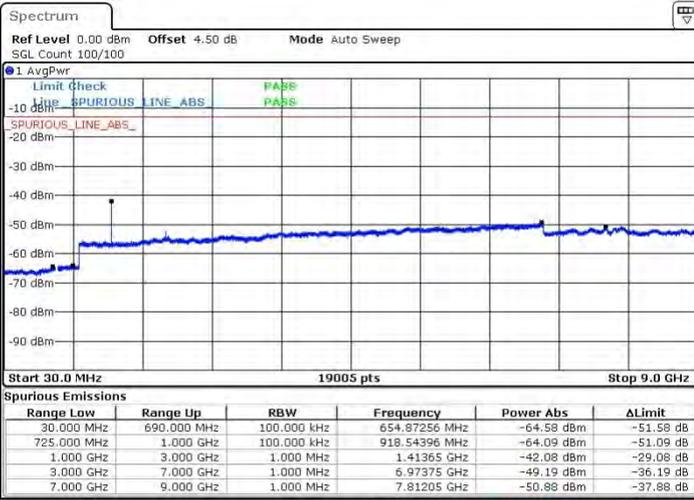


Date: 28 MAR 2015 19:55:58

Date: 28 MAR 2015 19:57:20

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28 MAR 2015 19:59:24

Date: 28 MAR 2015 20:00:46



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	0.0024	PASS
40	Normal Voltage	0.0099	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0083	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0109	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0116	
20	Battery End Point	0.0119	

Note:

1. Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2 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	0.0124	PASS
40	Normal Voltage	0.0038	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0100	
0	Normal Voltage	0.0121	
-10	Normal Voltage	0.0147	
-20	Normal Voltage	0.0124	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0094	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0089	

Note:

1. Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2 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 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0103	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0044	
-20	Normal Voltage	0.0127	
-30	Normal Voltage	0.0110	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0016	

Note: Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2 V



Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0099	PASS
40	Normal Voltage	0.0141	
30	Normal Voltage	0.0056	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0127	
0	Normal Voltage	0.0070	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0155	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0070	
20	Normal Voltage	0.0042	
20	Battery End Point	0.0113	

Note:

1. Normal Voltage = 3.7 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.2 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							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	2	21.95	0.1567	21.90	0.1549
Middle		3	1	23.07	0.2028	22.83	0.1919
Highest		3	1	22.69	0.1858	22.41	0.1742
Lowest	16QAM	1	2	22.89	0.1945	22.99	0.1991
Middle		1	5	23.39	0.2183	23.18	0.2080
Highest		1	2	22.96	0.1977	23.12	0.2051
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 3MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	14	23.31	0.2143	23.36	0.2168
Middle		1	7	23.89	0.2449	23.74	0.2366
Highest		1	7	23.55	0.2265	23.61	0.2296
Lowest	16QAM	1	14	22.91	0.1954	22.94	0.1968
Middle		1	0	23.43	0.2203	23.11	0.2046
Highest		1	0	22.88	0.1941	23.07	0.2028
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.00	0.1995	22.95	0.1972
Middle		1	12	24.00	0.2512	23.83	0.2415
Highest		1	0	23.70	0.2344	23.65	0.2317
Lowest	16QAM	1	24	23.11	0.2046	23.00	0.1995
Middle		1	0	23.38	0.2178	23.17	0.2075
Highest		1	0	22.81	0.1910	23.01	0.2000
Limit	EIRP < 2W			Result		PASS	



LTE Band 2 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.36	0.2168	23.35	0.2163
Middle		1	24	24.01	0.2518	23.83	0.2415
Highest		1	24	23.58	0.2280	23.61	0.2296
Lowest	16QAM	1	49	22.98	0.1986	23.01	0.2000
Middle		1	0	23.41	0.2193	23.33	0.2153
Highest		1	49	23.15	0.2065	23.35	0.2163
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 15MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	23.78	0.2388	23.76	0.2377
Middle		1	37	23.90	0.2455	23.82	0.2410
Highest		1	37	23.83	0.2415	24.00	0.2512
Lowest	16QAM	1	0	22.62	0.1828	22.55	0.1799
Middle		1	0	22.98	0.1986	22.96	0.1977
Highest		1	37	22.93	0.1963	23.19	0.2084
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	49	24.69	0.2944	24.47	0.2799
Middle		1	49	24.74	0.2979	24.51	0.2825
Highest		1	49	23.90	0.2455	24.00	0.2512
Lowest	16QAM	1	49	23.75	0.2371	23.62	0.2301
Middle		1	49	23.43	0.2203	23.40	0.2188
Highest		1	49	23.31	0.2143	23.40	0.2188
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	1	19.93	0.0984	19.41	0.0873
Middle		1	2	21.29	0.1346	21.30	0.1349
Highest		1	2	22.09	0.1618	21.78	0.1507
Lowest	16QAM	1	5	22.28	0.1690	21.96	0.1570
Middle		1	0	22.14	0.1637	20.00	0.1000
Highest		1	5	22.27	0.1687	19.81	0.0957
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 3MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	14	21.95	0.1567	21.16	0.1306
Middle		1	0	21.18	0.1312	21.15	0.1303
Highest		1	14	22.16	0.1644	22.05	0.1603
Lowest	16QAM	1	0	22.14	0.1637	22.03	0.1596
Middle		1	0	21.99	0.1581	22.13	0.1633
Highest		1	14	21.81	0.1517	22.38	0.1730
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.99	0.1581	21.29	0.1346
Middle		1	0	21.17	0.1309	21.06	0.1276
Highest		1	12	21.78	0.1507	21.64	0.1459
Lowest	16QAM	1	0	22.23	0.1671	21.93	0.1560
Middle		1	12	21.87	0.1538	22.09	0.1618
Highest		1	24	21.83	0.1524	22.33	0.1710
Limit	EIRP < 1W			Result		PASS	



LTE Band 4/ 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.91	0.1552	21.30	0.1349
Middle		1	0	21.03	0.1268	20.71	0.1178
Highest		1	49	21.97	0.1574	21.74	0.1493
Lowest	16QAM	1	0	22.33	0.1710	21.99	0.1581
Middle		1	0	21.83	0.1524	21.94	0.1563
Highest		1	0	21.67	0.1469	22.48	0.1770
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 15MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	37	21.22	0.1324	20.60	0.1148
Middle		1	0	20.84	0.1213	20.42	0.1102
Highest		1	0	22.20	0.1660	22.15	0.1641
Lowest	16QAM	1	0	22.57	0.1807	22.18	0.1652
Middle		1	0	21.43	0.1390	21.49	0.1409
Highest		1	0	21.83	0.1524	22.50	0.1778
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.89	0.1545	21.26	0.1337
Middle		1	0	20.40	0.1096	19.82	0.0959
Highest		1	0	22.10	0.1622	22.02	0.1592
Lowest	16QAM	1	0	22.48	0.1770	21.96	0.1570
Middle		1	0	21.26	0.1337	20.84	0.1213
Highest		1	0	22.08	0.1614	22.06	0.1607
Limit	EIRP < 1W			Result		PASS	



LTE Band 5 / 1.4MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	2	19.56	0.0904	7.57	0.0057
Middle		1	2	19.86	0.0968	8.39	0.0069
Highest		1	2	19.90	0.0977	9.02	0.0080
Lowest	16QAM	1	5	17.85	0.0610	6.42	0.0044
Middle		1	2	18.41	0.0693	7.19	0.0052
Highest		1	2	18.93	0.0782	7.99	0.0063
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 3MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	7	19.38	0.0867	7.52	0.0056
Middle		1	7	19.82	0.0959	8.36	0.0069
Highest		1	0	19.84	0.0964	8.54	0.0071
Lowest	16QAM	1	0	17.82	0.0605	6.11	0.0041
Middle		1	14	18.40	0.0692	7.18	0.0052
Highest		1	14	18.98	0.0791	8.18	0.0066
Limit	ERP < 7W			Result		PASS	

LTE Band 5 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	18.77	0.0753	7.00	0.0050
Middle		1	12	19.09	0.0811	7.83	0.0061
Highest		1	0	19.40	0.0871	8.30	0.0068
Lowest	16QAM	1	12	17.83	0.0607	6.03	0.0040
Middle		1	12	18.36	0.0685	7.05	0.0051
Highest		1	0	18.65	0.0733	7.68	0.0059
Limit	ERP < 7W			Result		PASS	



LTE Band 5 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	0	18.45	0.0700	6.81	0.0048
Middle		1	0	18.69	0.0740	7.61	0.0058
Highest		1	0	19.35	0.0861	8.44	0.0070
Lowest	16QAM	1	0	17.72	0.0592	6.11	0.0041
Middle		1	0	17.98	0.0628	6.65	0.0046
Highest		1	0	18.33	0.0681	7.41	0.0055
Limit	ERP < 7W			Result		PASS	



LTE Band 17 / 5MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	12	18.49	0.0706	4.07	0.0026
Middle		1	24	18.72	0.0745	4.08	0.0026
Highest		1	0	18.65	0.0733	4.10	0.0026
Lowest	16QAM	1	24	17.20	0.0525	3.26	0.0021
Middle		1	24	17.99	0.0630	3.25	0.0021
Highest		1	0	18.20	0.0661	3.44	0.0022
Limit	ERP < 3W			Result		PASS	

LTE Band 17 / 10MHz							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	ERP(dBm)	ERP(W)	ERP(dBm)	ERP(W)
Lowest	QPSK	1	49	18.10	0.0646	3.71	0.0023
Middle		1	49	18.17	0.0656	3.95	0.0025
Highest		1	49	18.14	0.0652	4.32	0.0027
Lowest	16QAM	1	49	17.40	0.0550	2.95	0.0020
Middle		1	49	17.34	0.0542	3.18	0.0021
Highest		1	49	17.20	0.0525	3.33	0.0022
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	3756	-50.89	-13	-37.89	-70	-57.51	1.68	8.31	H
	5639	-53.78	-13	-40.78	-77.68	-60.83	2.71	9.76	H
	7515	-52.01	-13	-39.01	-78.52	-61.39	2.42	11.81	H
	3756	-46.53	-13	-33.53	-66.41	-53.15	1.68	8.31	V
	5639	-52.18	-13	-39.18	-77.11	-59.23	2.71	9.76	V
	7515	-50.51	-13	-37.51	-78.73	-59.89	2.42	11.81	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	3756	-51.29	-13	-38.29	-70.19	-57.91	1.68	8.31	H
	5639	-53.74	-13	-40.74	-77.87	-60.79	2.71	9.76	H
	7515	-51.90	-13	-38.90	-78.41	-61.28	2.42	11.81	H
	3756	-47.15	-13	-34.15	-67.13	-53.77	1.68	8.31	V
	5639	-52.17	-13	-39.17	-77.1	-59.22	2.71	9.76	V
	7515	-50.37	-13	-37.37	-78.59	-59.75	2.42	11.81	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	-55.79	-13	-42.79	-74.63	-62.41	1.68	8.31	H
	5632	-54.06	-13	-41.06	-77.96	-61.11	2.70	9.75	H
	7508	-52.25	-13	-39.25	-78.62	-61.63	2.43	11.80	H
	3756	-51.51	-13	-38.51	-71.39	-58.13	1.68	8.31	V
	5632	-53.07	-13	-40.07	-78	-60.12	2.70	9.75	V
	7508	-50.33	-13	-37.33	-78.4	-59.71	2.43	11.80	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	3749	-50.96	-13	-37.96	-70.07	-57.58	1.68	8.30	H
	5625	-53.76	-13	-40.76	-77.91	-60.81	2.70	9.75	H
	7501	-52.17	-13	-39.17	-78.53	-61.54	2.43	11.80	H
	3749	-46.49	-13	-33.49	-66.37	-53.11	1.68	8.30	V
	5625	-52.13	-13	-39.13	-77.01	-59.18	2.70	9.75	V
	7501	-50.84	-13	-37.84	-78.91	-60.21	2.43	11.80	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	3749	-49.59	-13	-36.59	-68.7	-56.21	1.68	8.30	H
	5618	-53.40	-13	-40.40	-77.72	-60.45	2.69	9.75	H
	7494	-52.40	-13	-39.40	-78.62	-61.76	2.43	11.79	H
	3749	-46.74	-13	-33.74	-66.72	-53.36	1.68	8.30	V
	5618	-52.39	-13	-39.39	-77.27	-59.44	2.69	9.75	V
	7494	-50.81	-13	-37.81	-78.63	-60.17	2.43	11.79	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	-50.23	-13	-37.23	-69.33	-56.84	1.68	8.29	H
	5611	-53.83	-13	-40.83	-77.86	-60.89	2.69	9.74	H
	7487	-52.57	-13	-39.57	-78.77	-61.91	2.43	11.77	H
	3742	-47.96	-13	-34.96	-67.93	-54.57	1.68	8.29	V
	5611	-52.15	-13	-39.15	-77.03	-59.21	2.69	9.74	V
	7487	-50.78	-13	-37.78	-78.66	-60.12	2.43	11.77	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	3462	-52.66	-13	-39.66	-69.96	-58.9	1.59	7.83	H
	5196	-55.55	-13	-42.55	-79.15	-62.8	2.45	9.70	H
	6927	-53.40	-13	-40.40	-79.44	-61.5	2.61	10.71	H
	3462	-55.16	-13	-42.16	-73.83	-61.4	1.59	7.83	V
	5196	-54.45	-13	-41.45	-78.68	-61.7	2.45	9.70	V
	6927	-52.00	-13	-39.00	-79.26	-60.1	2.61	10.71	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	-51.56	-13	-38.56	-69.11	-57.8	1.59	7.83	H
	5193	-55.65	-13	-42.65	-79.11	-62.9	2.45	9.70	H
	6924	-52.81	-13	-39.81	-79.29	-60.9	2.62	10.71	H
	3462	-54.06	-13	-41.06	-73.09	-60.3	1.59	7.83	V
	5193	-54.85	-13	-41.85	-79.14	-62.1	2.45	9.70	V
	6924	-52.01	-13	-39.01	-79.38	-60.1	2.62	10.71	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	-51.47	-13	-38.47	-69.16	-57.7	1.59	7.82	H
	5190	-55.65	-13	-42.65	-79.12	-62.9	2.45	9.70	H
	6920	-52.71	-13	-39.71	-79.16	-60.8	2.62	10.70	H
	3465	-53.95	-13	-40.95	-73.1	-60.2	1.59	7.85	V
	5197.5	-54.45	-13	-41.45	-79.13	-61.7	2.45	9.70	V
	6930	-52.20	-13	-39.20	-79.41	-60.3	2.61	10.72	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	3455	-51.59	-13	-38.59	-69.28	-57.8	1.59	7.80	H
	5183	-55.54	-13	-42.54	-79.06	-62.8	2.44	9.70	H
	6910	-53.53	-13	-40.53	-79.42	-61.6	2.62	10.69	H
	3455	-54.19	-13	-41.19	-73.13	-60.4	1.59	7.80	V
	5183	-54.64	-13	-41.64	-79.08	-61.9	2.44	9.70	V
	6910	-51.73	-13	-38.73	-79	-59.8	2.62	10.69	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	3448	-52.32	-13	-39.32	-69.71	-58.5	1.59	7.77	H
	5175	-55.84	-13	-42.84	-79.21	-63.1	2.44	9.70	H
	6900	-53.04	-13	-40.04	-79.17	-61.1	2.62	10.68	H
	3448	-54.72	-13	-41.72	-73.86	-60.9	1.59	7.77	V
	5175	-54.54	-13	-41.54	-79.02	-61.8	2.44	9.70	V
	6900	-51.74	-13	-38.74	-79.24	-59.8	2.62	10.68	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	3445	-51.63	-13	-38.63	-69.45	-57.8	1.59	7.76	H
	5168	-55.53	-13	-42.53	-79.2	-62.8	2.43	9.70	H
	6890	-53.16	-13	-40.16	-79.34	-61.2	2.63	10.67	H
	3445	-53.73	-13	-40.73	-72.71	-59.9	1.59	7.76	V
	5168	-54.83	-13	-41.83	-79.29	-62.1	2.43	9.70	V
	6890	-52.26	-13	-39.26	-79.5	-60.3	2.63	10.67	V

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



LTE Band 5 / 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	1672	-64.52	-13	-51.52	-75.96	-66.2	0.99	4.82	H
	2508	-59.84	-13	-46.84	-76.69	-61.8	1.29	5.41	H
	3344	-59.29	-13	-46.29	-77.05	-62.9	1.56	7.31	H
	1672	-63.52	-13	-50.52	-75.7	-65.2	0.99	4.82	V
	2508	-58.64	-13	-45.64	-76.6	-60.6	1.29	5.41	V
	3344	-58.39	-13	-45.39	-77.28	-62	1.56	7.31	V

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

LTE Band 5 / 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	1670	-64.51	-13	-51.51	-76.05	-66.2	0.99	4.82	H
	2505	-60.24	-13	-47.24	-76.84	-62.2	1.29	5.40	H
	3340	-59.91	-13	-46.91	-77.38	-63.5	1.55	7.30	H
	1670	-63.61	-13	-50.61	-75.7	-65.3	0.99	4.82	V
	2505	-58.94	-13	-45.94	-76.89	-60.9	1.29	5.40	V
	3340	-59.01	-13	-46.01	-77.73	-62.6	1.55	7.30	V

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



LTE Band 5 / 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	1668	-64.81	-13	-51.81	-75.82	-66.5	0.99	4.83	H
	2502	-59.44	-13	-46.44	-76.04	-61.4	1.29	5.40	H
	3336	-59.72	-13	-46.72	-76.98	-63.3	1.55	7.28	H
	1668	-63.71	-13	-50.71	-75.65	-65.4	0.99	4.83	V
	2502	-58.94	-13	-45.94	-76.92	-60.9	1.29	5.40	V
	3336	-57.52	-13	-44.52	-76.37	-61.1	1.55	7.28	V

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

LTE Band 5 / 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	1664	-64.39	-13	-51.39	-75.4	-66.1	0.98	4.84	H
	2495	-59.55	-13	-46.55	-76.06	-61.5	1.29	5.39	H
	3326	-58.77	-13	-45.77	-76.04	-62.3	1.55	7.23	H
	1664	-63.59	-13	-50.59	-75.61	-65.3	0.98	4.84	V
	2495	-58.25	-13	-45.25	-76.12	-60.2	1.29	5.39	V
	3326	-57.57	-13	-44.57	-76.23	-61.1	1.55	7.23	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	1416	-59.35	-13	-46.35	-69.51	-61.10	0.87	4.78	H
	2123	-62.55	-13	-49.55	-76.42	-63.50	1.17	4.27	H
	2830	-60.38	-13	-47.38	-77.18	-62.50	1.39	5.66	H
	1416	-63.35	-13	-50.35	-73.50	-65.10	0.87	4.78	V
	2123	-60.95	-13	-47.95	-76.56	-61.90	1.17	4.27	V
	2830	-59.38	-13	-46.38	-77.38	-61.50	1.39	5.66	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	1408	-59.79	-13	-46.79	-70.10	-61.50	0.87	4.73	H
	2115	-62.58	-13	-49.58	-76.45	-63.50	1.17	4.25	H
	2820	-60.39	-13	-47.39	-77.07	-62.50	1.39	5.66	H
	1408	-64.79	-13	-51.79	-75.09	-66.50	0.87	4.73	V
	2115	-60.98	-13	-47.98	-76.53	-61.90	1.17	4.25	V
	2820	-59.09	-13	-46.09	-76.98	-61.20	1.39	5.66	V

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