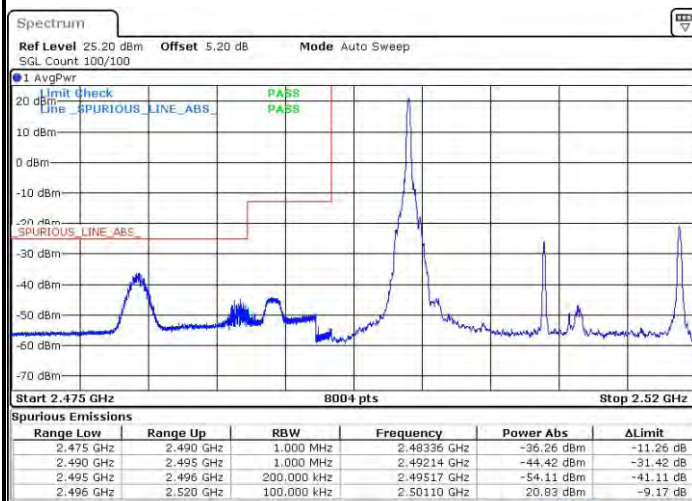




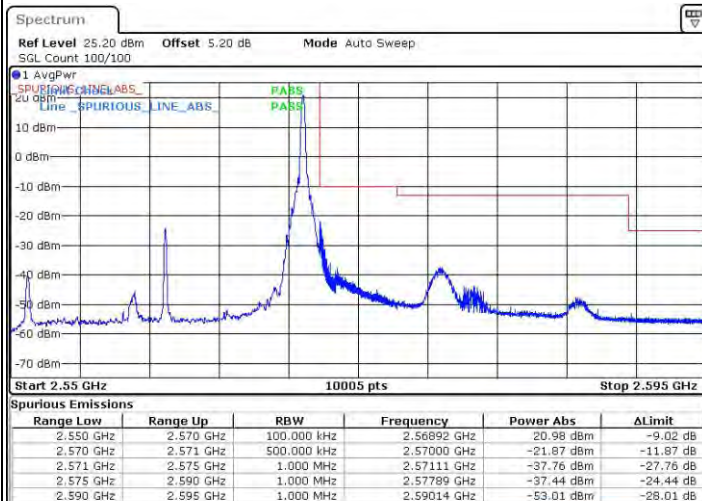
## LTE Band 7 / 20MHz / QPSK

## Lowest Band Edge / 1 RB



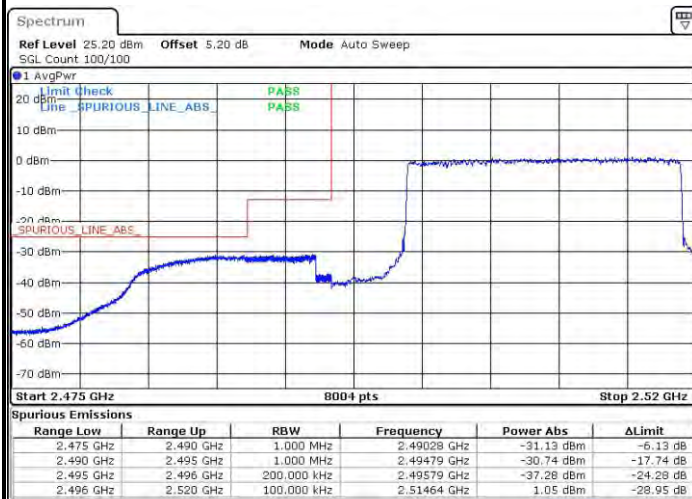
Date: 16 DEC 2015 03:32:46

## Highest Band Edge / 1 RB



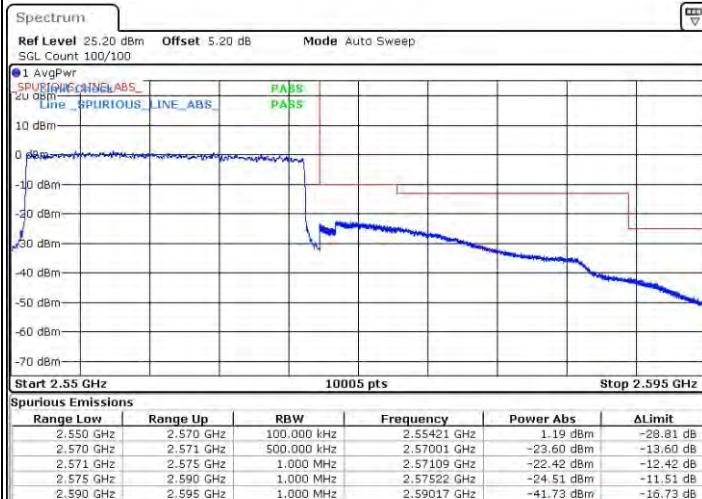
Date: 16 DEC 2015 03:33:55

## Lowest Band Edge / Full RB



Date: 16 DEC 2015 05:13:46

## Highest Band Edge / Full RB

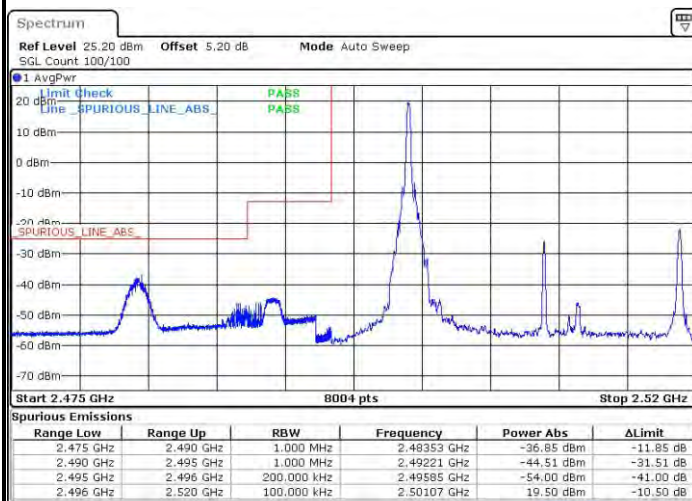


Date: 16 DEC 2015 03:37:22



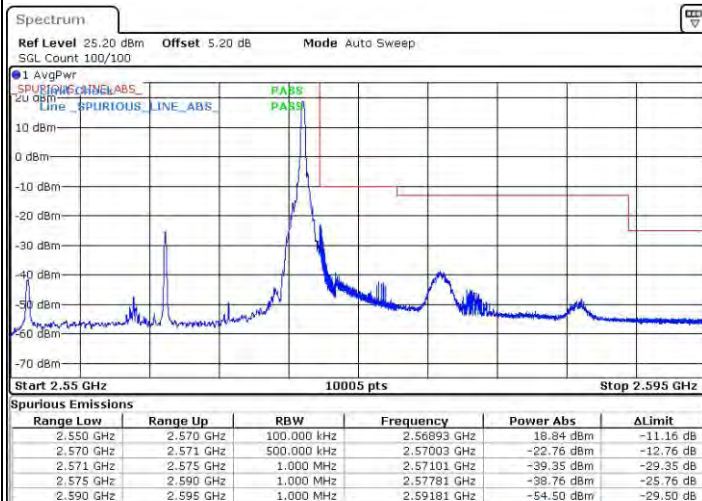
## LTE Band 7 / 20MHz / 16QAM

## Lowest Band Edge / 1 RB



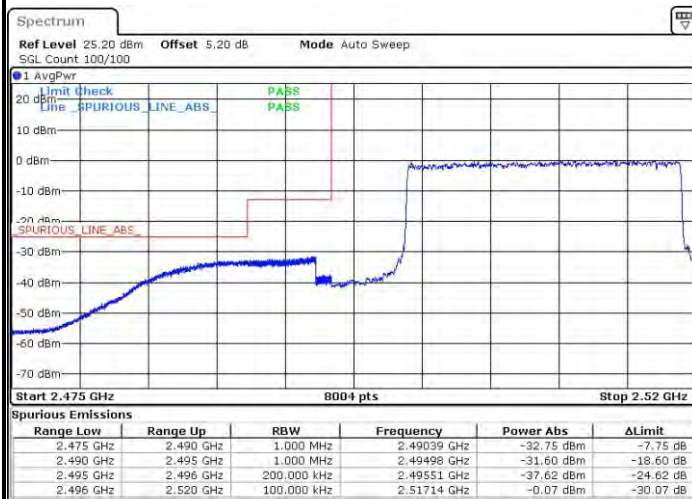
Date: 16 DEC 2015 03:31:37

## Highest Band Edge / 1RB



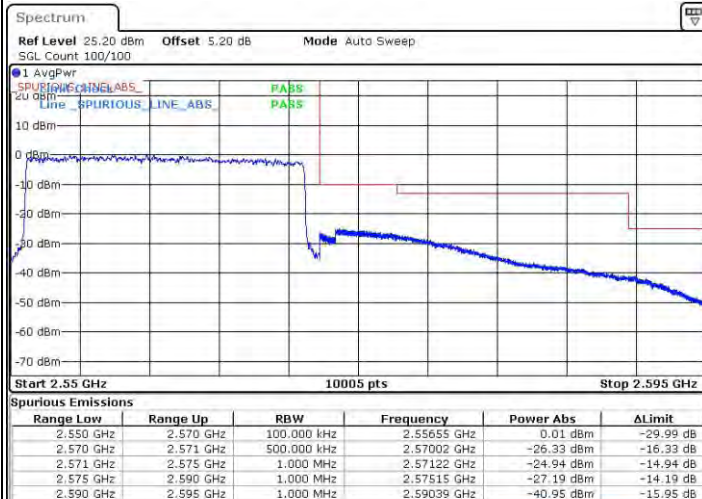
Date: 16 DEC 2015 03:35:04

## Lowest Band Edge / Full RB



Date: 16 DEC 2015 03:30:28

## Highest Band Edge / Full RB



Date: 16 DEC 2015 03:36:13



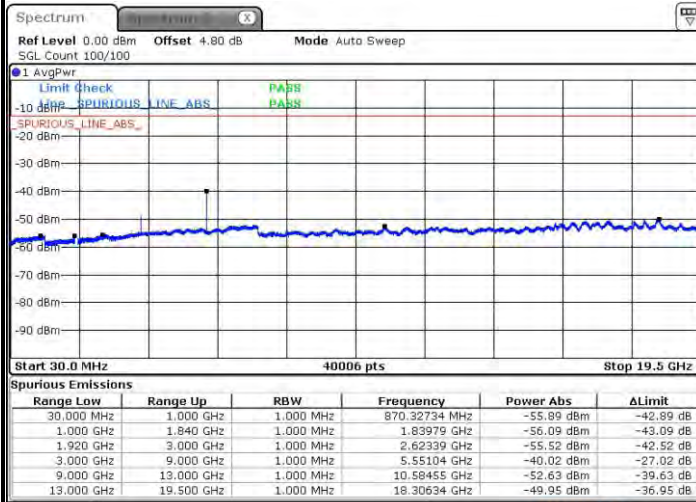
## **Conducted Spurious Emission**





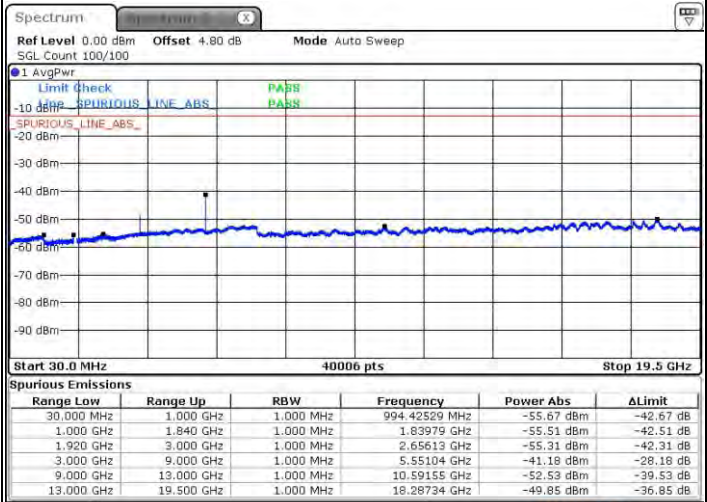
## LTE Band 2 / 1.4MHz

## Lowest Channel / QPSK



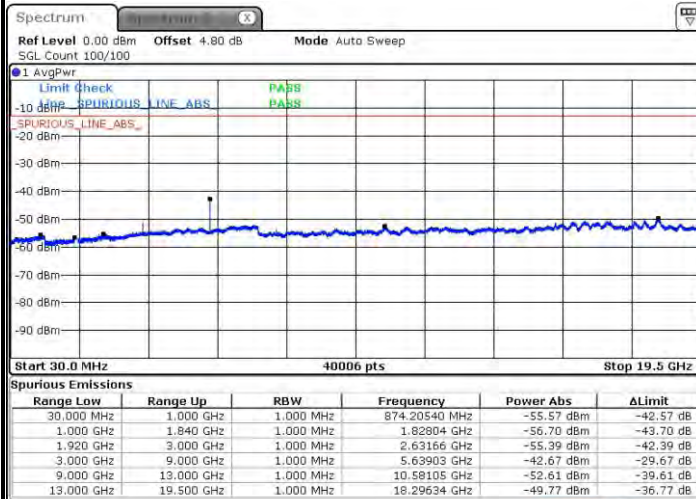
Date: 13 DEC 2015 21:11:30

## Lowest Channel / 16QAM



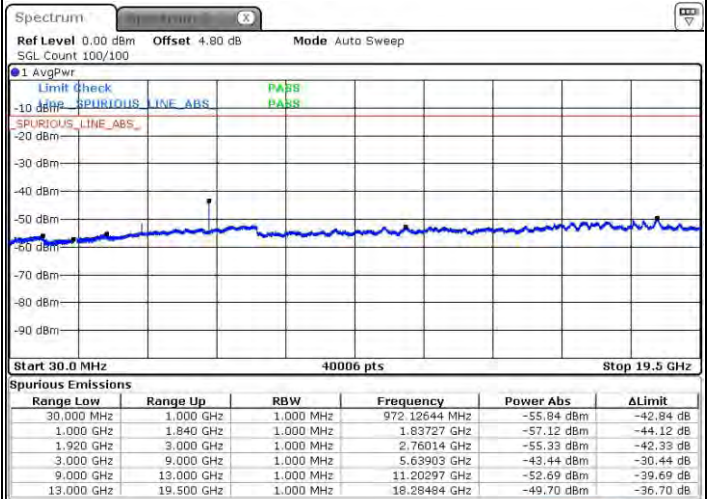
Date: 13 DEC 2015 21:12:24

## Middle Channel / QPSK



Date: 13 DEC 2015 21:13:59

## Middle Channel / 16QAM

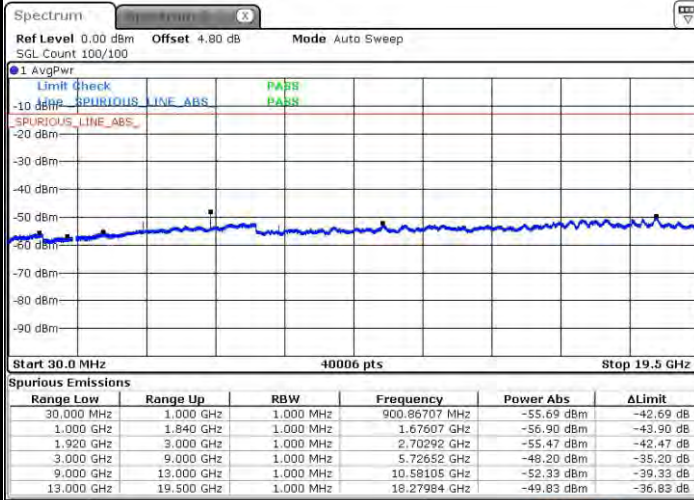


Date: 13 DEC 2015 21:14:53



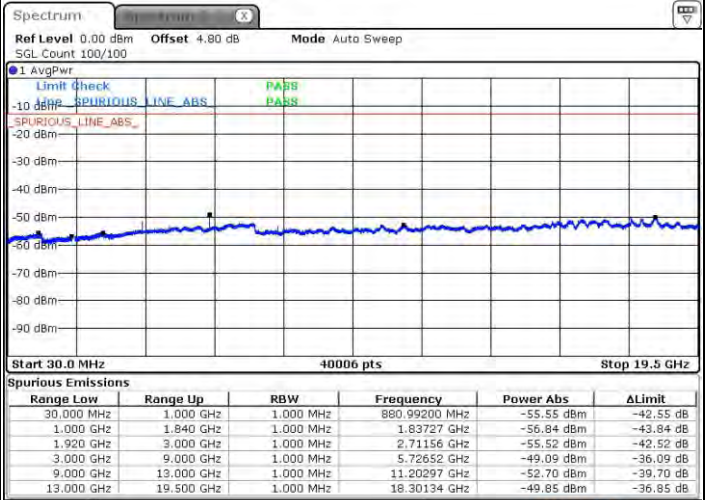
## LTE Band 2 / 1.4MHz

## Highest Channel / QPSK



Date: 13 DEC 2015 21:21:04

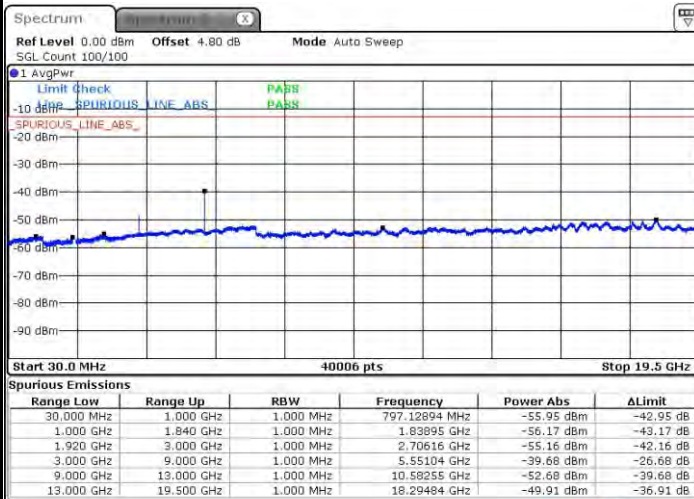
## Highest Channel / 16QAM



Date: 13 DEC 2015 21:21:57

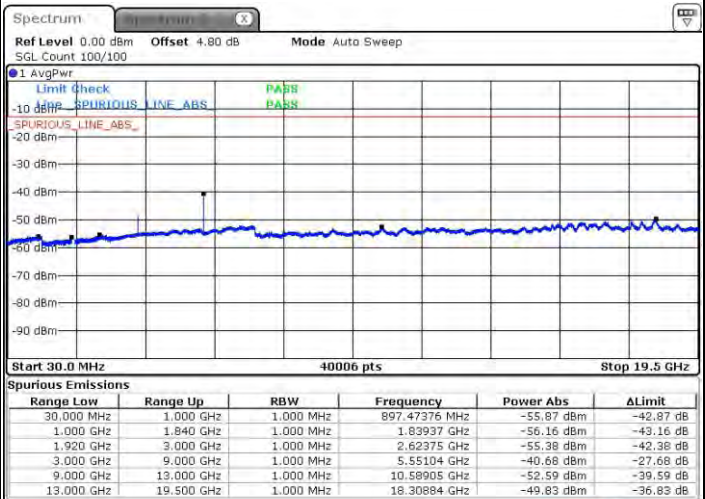
## LTE Band 2 / 3MHz

## Lowest Channel / QPSK



Date: 13 DEC 2015 21:28:08

## Lowest Channel / 16QAM

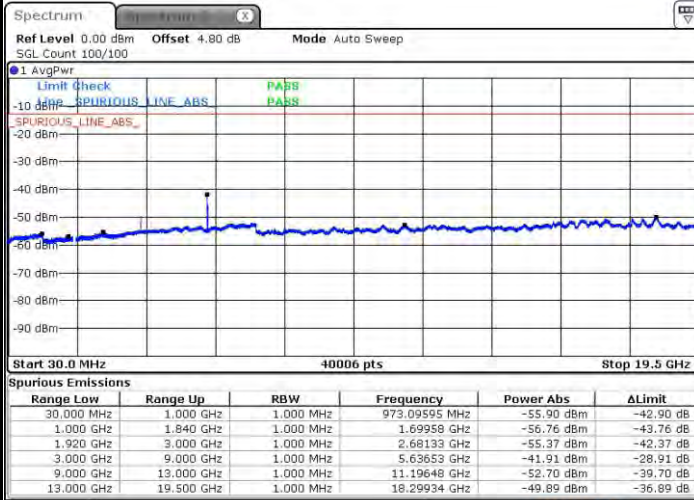


Date: 13 DEC 2015 21:29:05



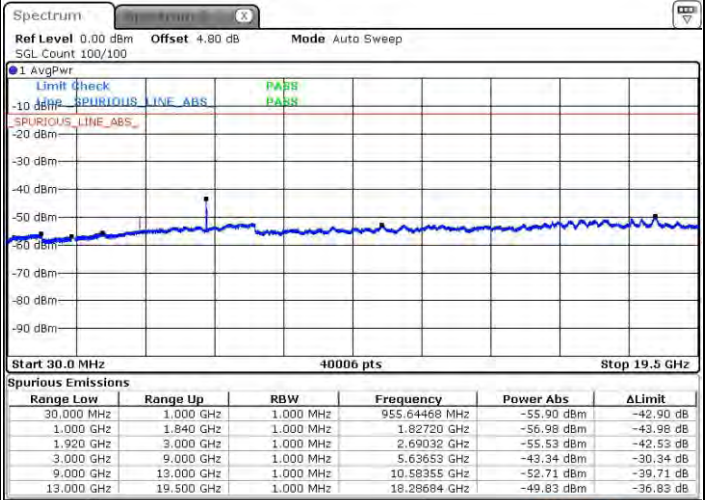
## LTE Band 2 / 3MHz

## Middle Channel / QPSK



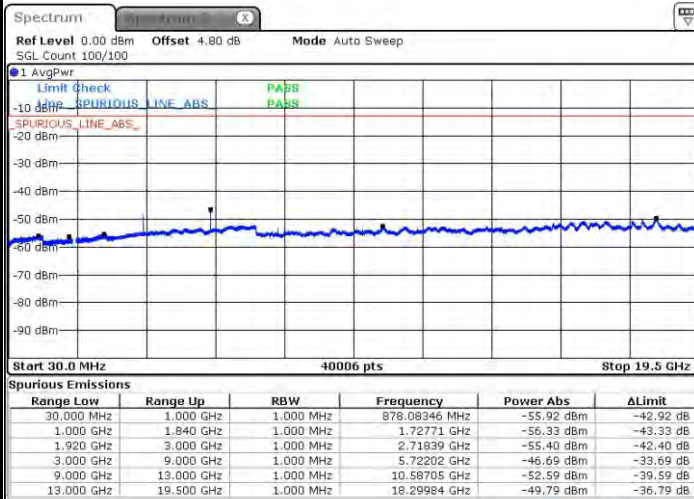
Date: 13 DEC 2015 21:30:41

## Middle Channel / 16QAM



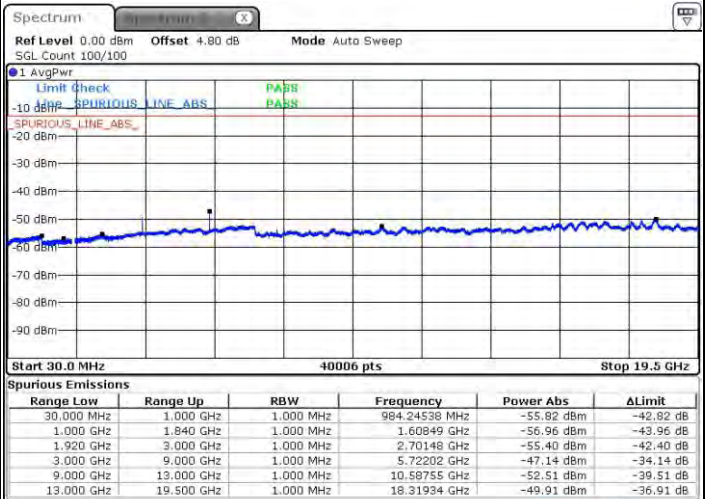
Date: 13 DEC 2015 21:31:34

## Highest Channel / QPSK



Date: 13 DEC 2015 21:37:47

## Highest Channel / 16QAM



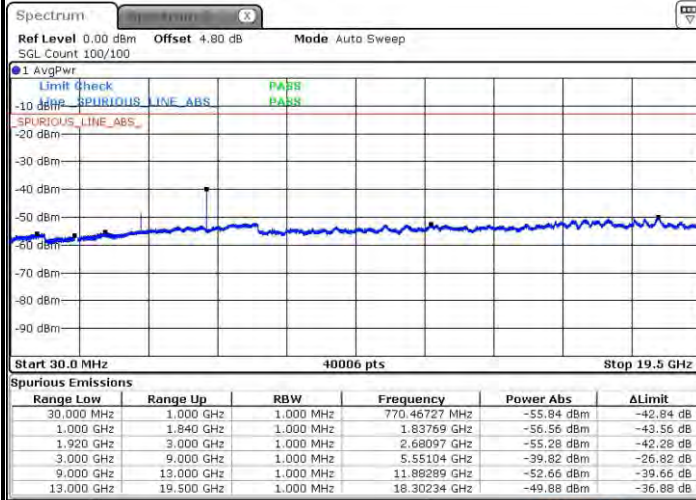
Date: 13 DEC 2015 21:38:41





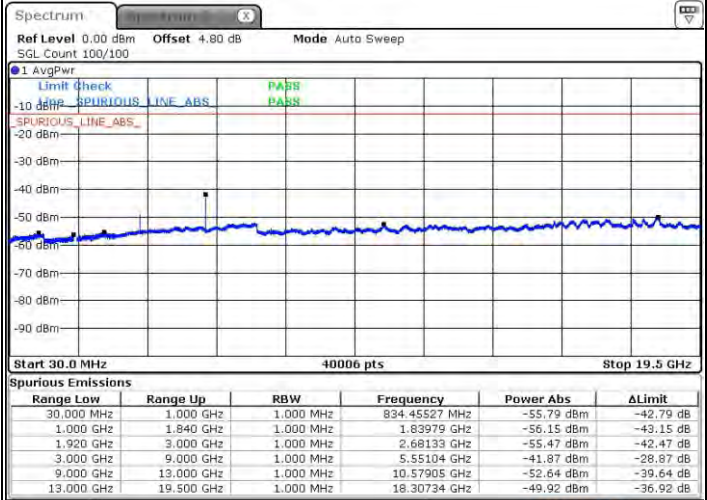
## LTE Band 2 / 5MHz

## Lowest Channel / QPSK



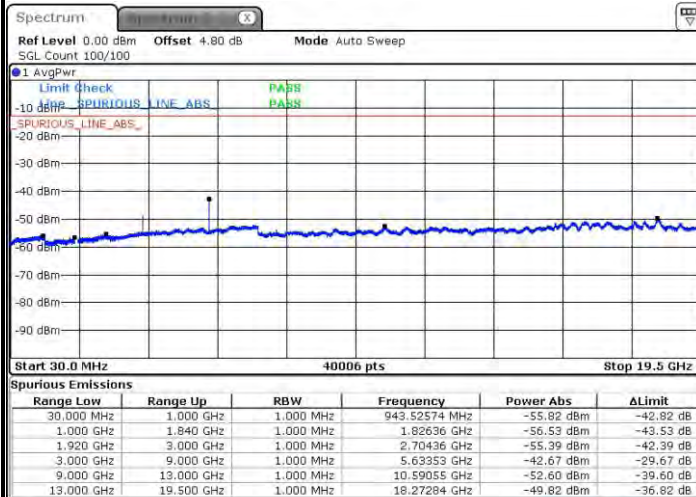
Date: 13 DEC 2015 21:44:51

## Lowest Channel / 16QAM



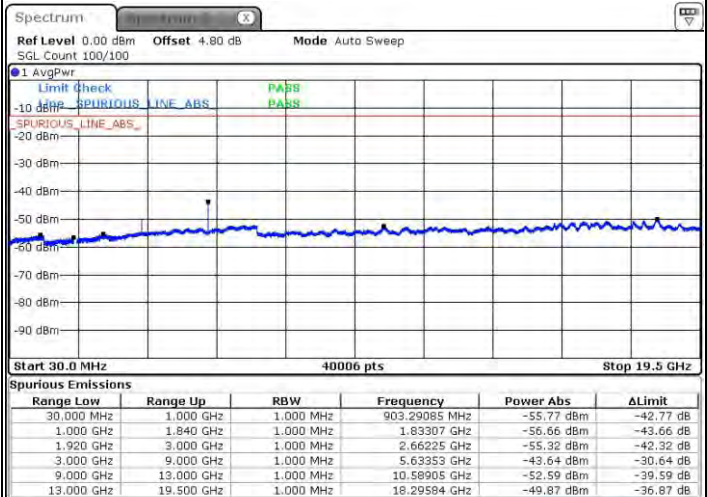
Date: 13 DEC 2015 21:45:45

## Middle Channel / QPSK



Date: 13 DEC 2015 21:47:20

## Middle Channel / 16QAM

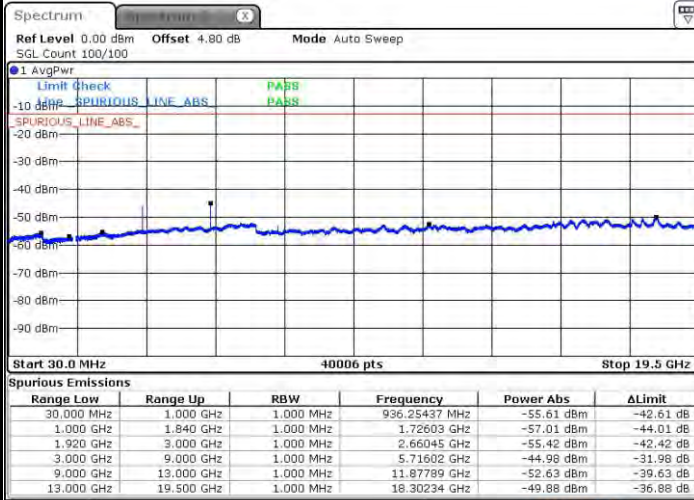


Date: 13 DEC 2015 21:48:14



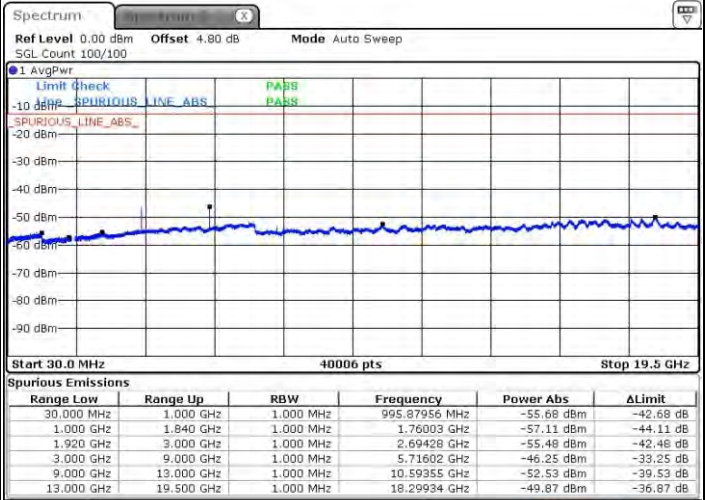
## LTE Band 2 / 5MHz

## Highest Channel / QPSK



Date: 13 DEC 2015 21:54:24

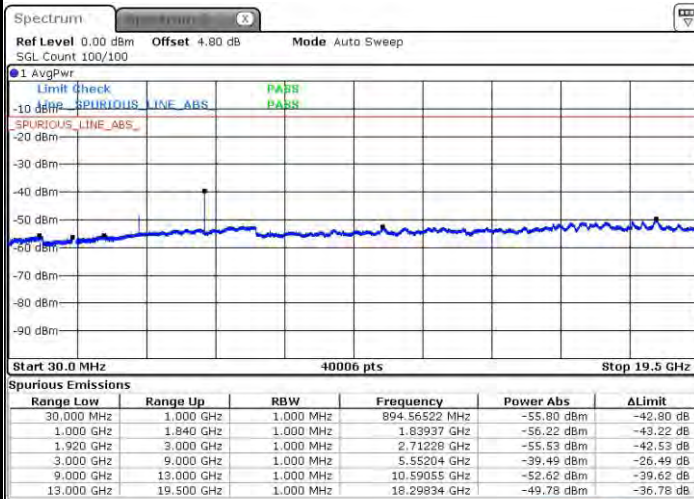
## Highest Channel / 16QAM



Date: 13 DEC 2015 21:55:18

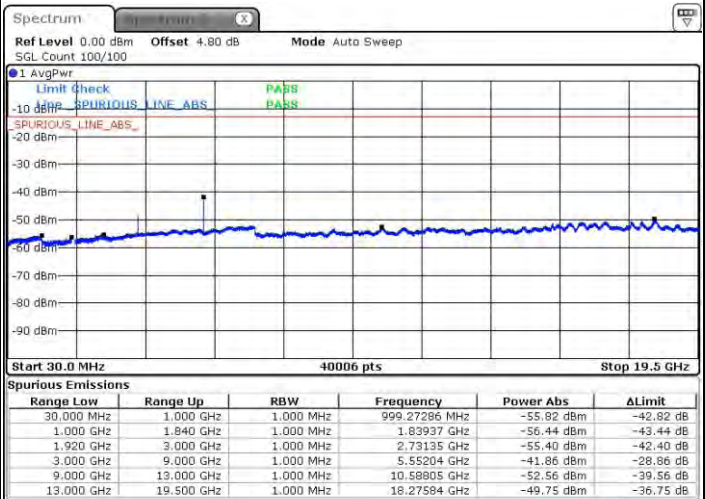
## LTE Band 2 / 10MHz

## Lowest Channel / QPSK



Date: 13 DEC 2015 22:04:55

## Lowest Channel / 16QAM



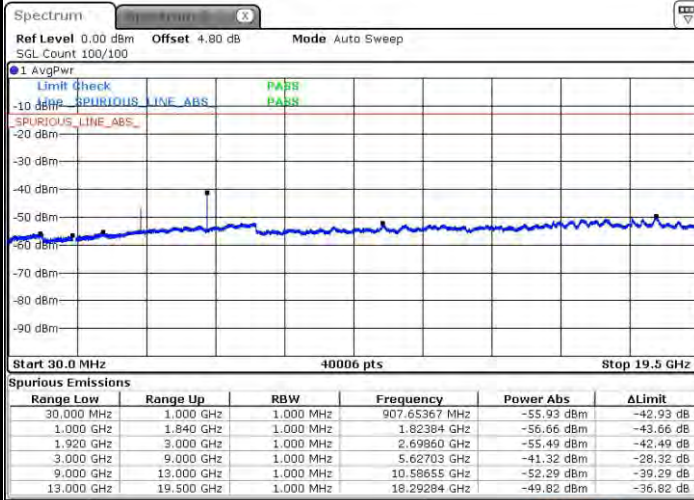
Date: 13 DEC 2015 22:05:48





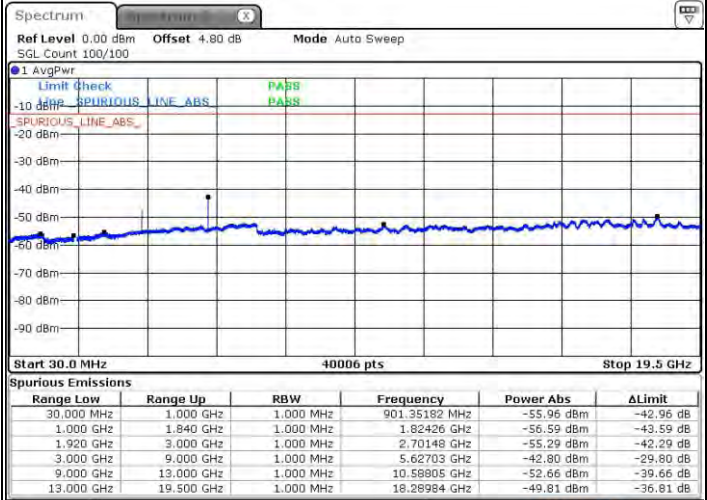
## LTE Band 2 / 10MHz

## Middle Channel / QPSK



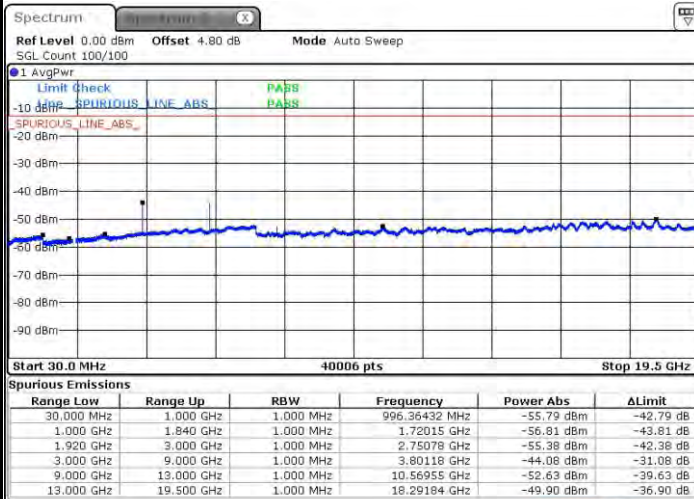
Date: 13 DEC 2015 22:07:24

## Middle Channel / 16QAM



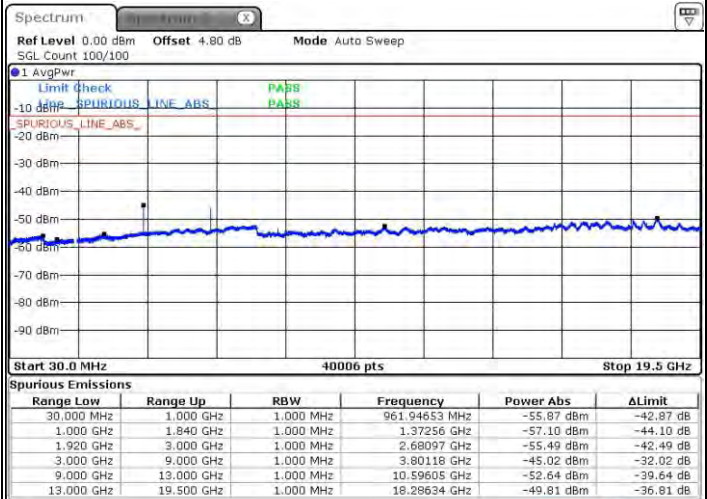
Date: 13 DEC 2015 22:08:18

## Highest Channel / QPSK



Date: 13 DEC 2015 22:14:28

## Highest Channel / 16QAM

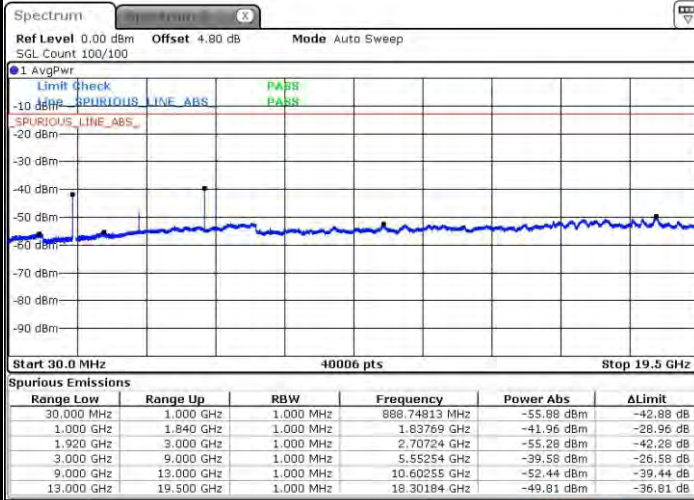


Date: 13 DEC 2015 22:15:22



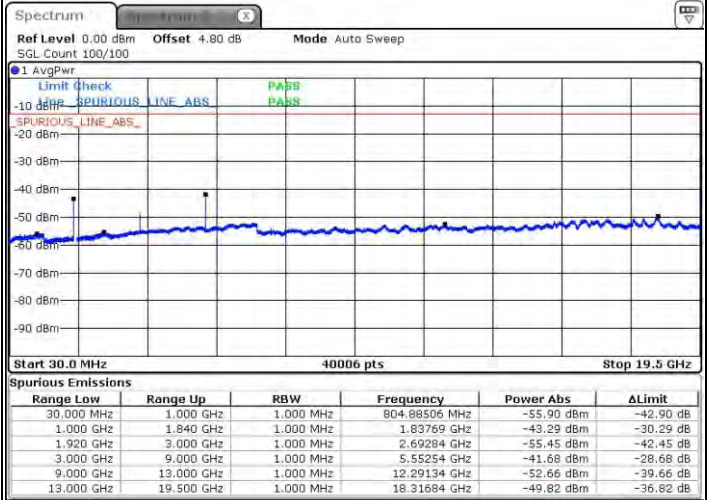
## LTE Band 2 / 15MHz

## Lowest Channel / QPSK



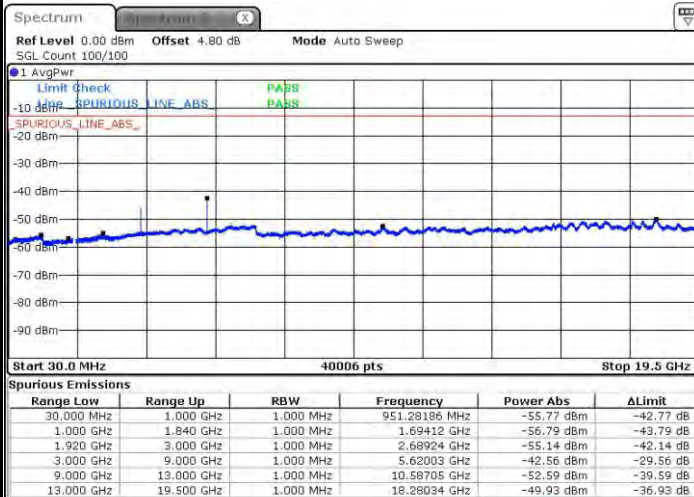
Date: 13 DEC. 2015 22:21:33

## Lowest Channel / 16QAM



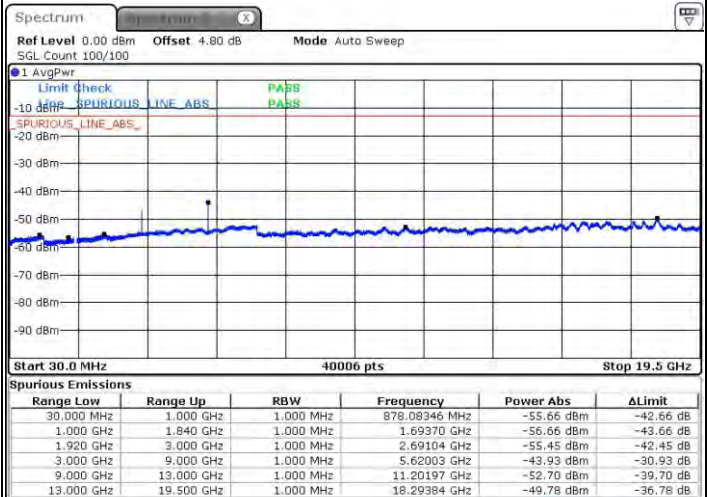
Date: 13 DEC. 2015 22:22:26

## Middle Channel / QPSK



Date: 13 DEC. 2015 22:24:02

## Middle Channel / 16QAM

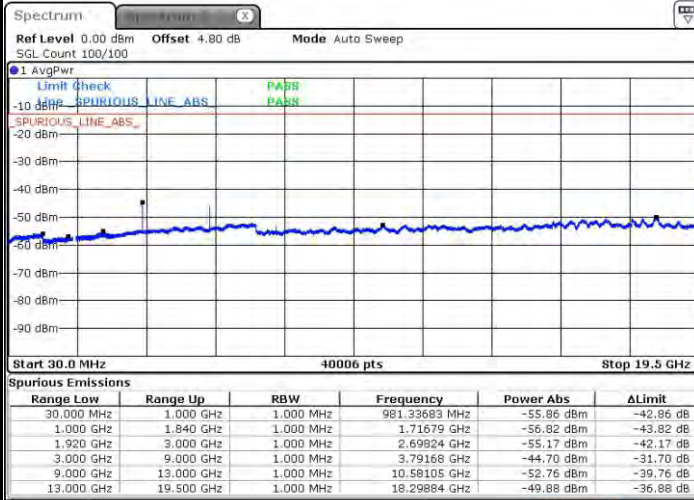


Date: 13 DEC. 2015 22:24:56



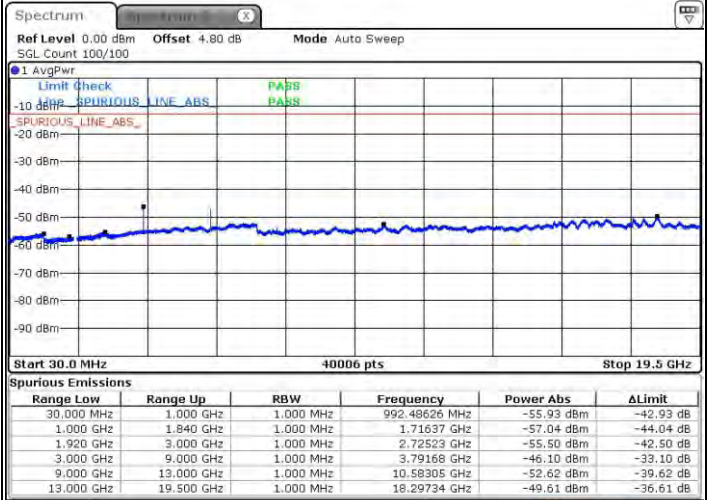
## LTE Band 2 / 15MHz

## Highest Channel / QPSK



Date: 13 DEC 2015 22:31:06

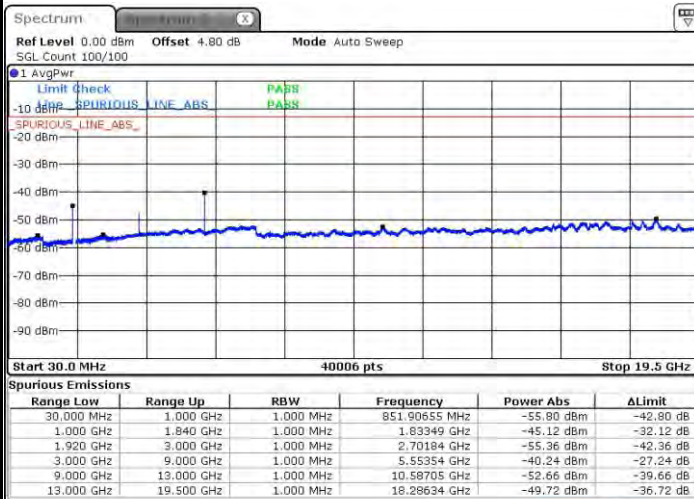
## Highest Channel / 16QAM



Date: 13 DEC 2015 22:32:00

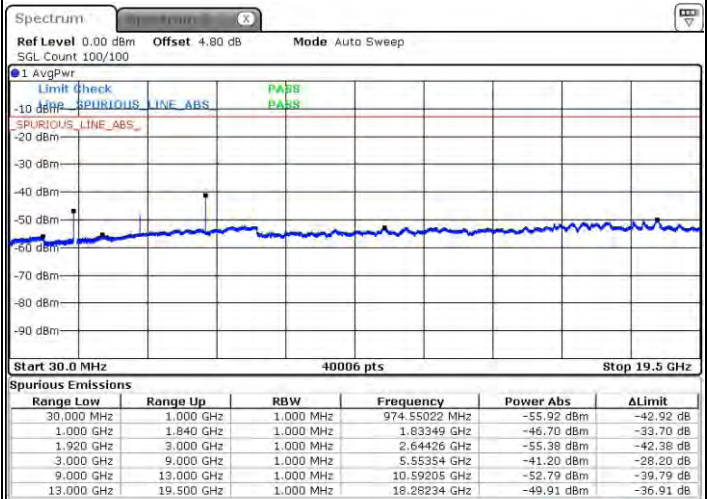
## LTE Band 2 / 20MHz

## Lowest Channel / QPSK



Date: 13 DEC 2015 22:38:10

## Lowest Channel / 16QAM



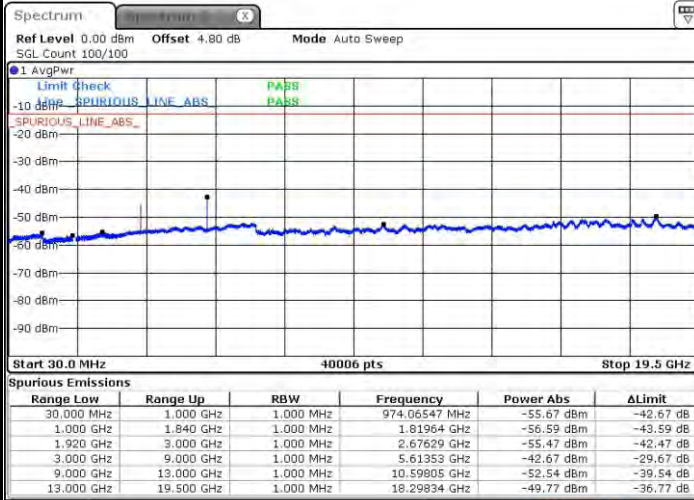
Date: 13 DEC 2015 22:39:04





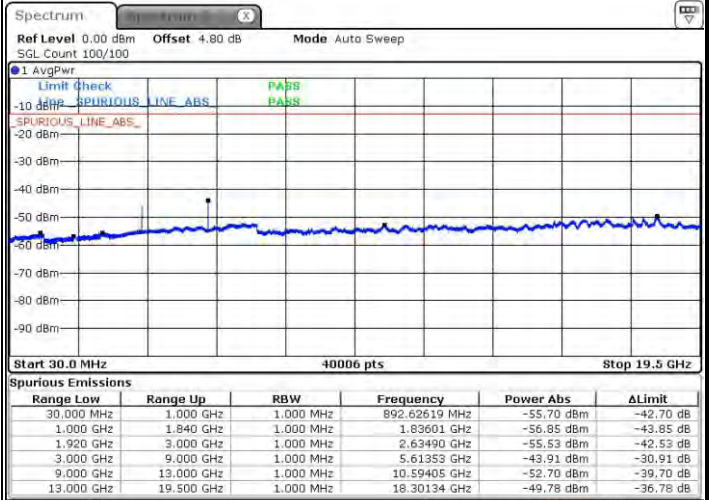
## LTE Band 2 / 20MHz

## Middle Channel / QPSK



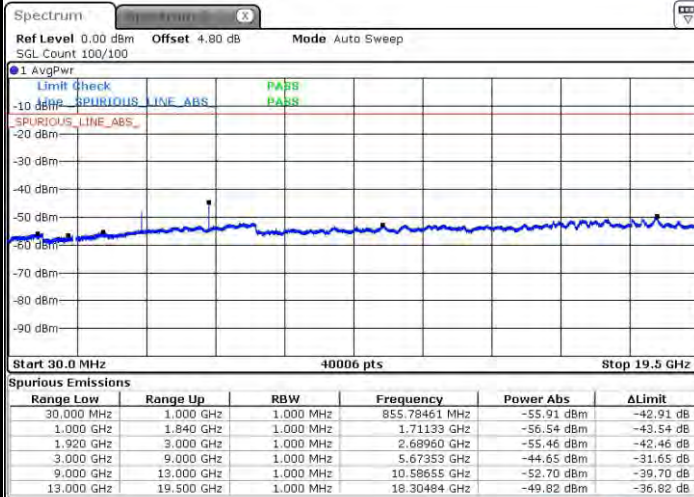
Date: 13 DEC. 2015 22:40:40

## Middle Channel / 16QAM



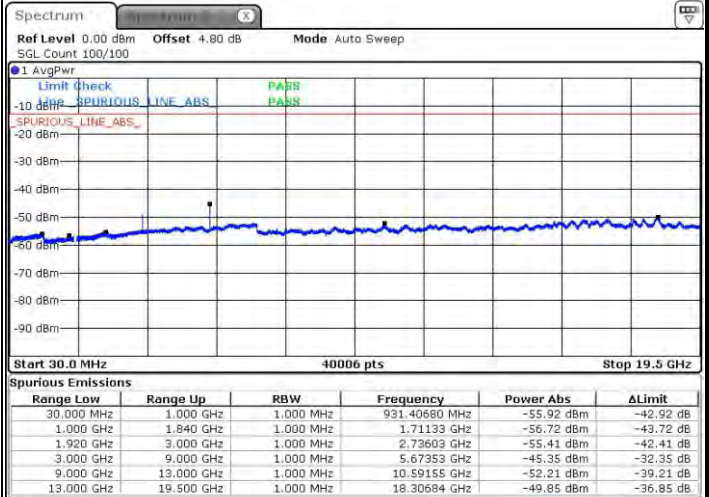
Date: 13 DEC. 2015 22:41:33

## Highest Channel / QPSK



Date: 13 DEC. 2015 22:47:44

## Highest Channel / 16QAM

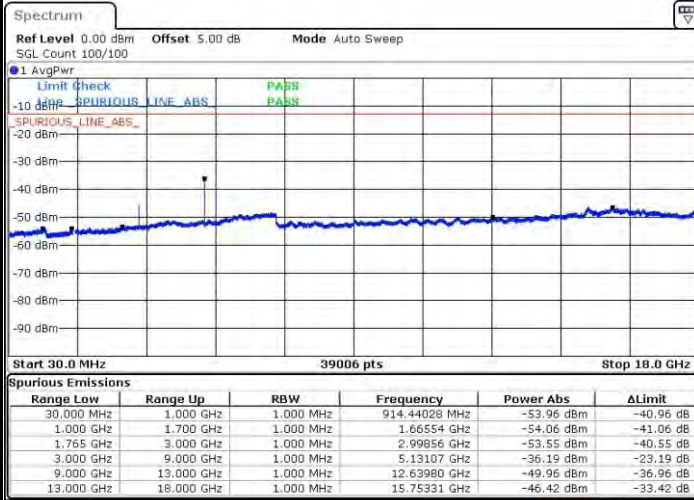


Date: 13 DEC. 2015 22:48:38



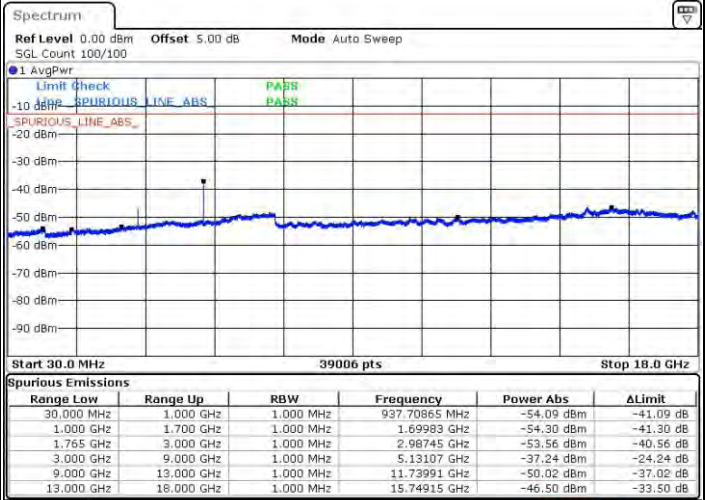
## LTE Band 4 / 1.4MHz

## Lowest Channel / QPSK



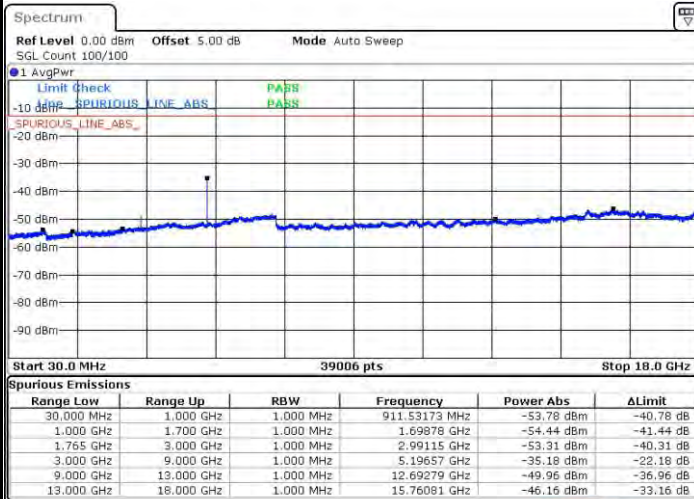
Date: 14 DEC 2015 10:20:28

## Lowest Channel / 16QAM



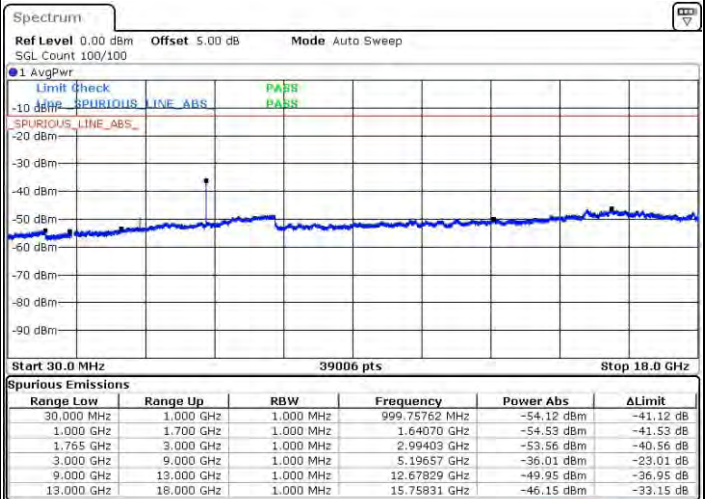
Date: 14 DEC 2015 10:21:24

## Middle Channel / QPSK



Date: 14 DEC 2015 10:23:01

## Middle Channel / 16QAM

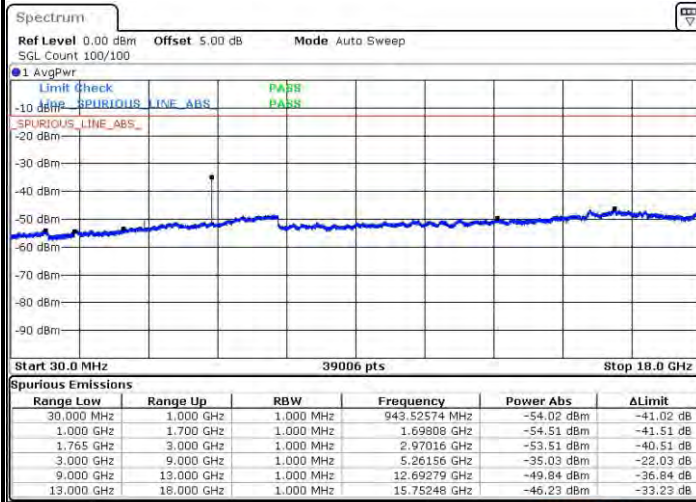


Date: 14 DEC 2015 10:23:57



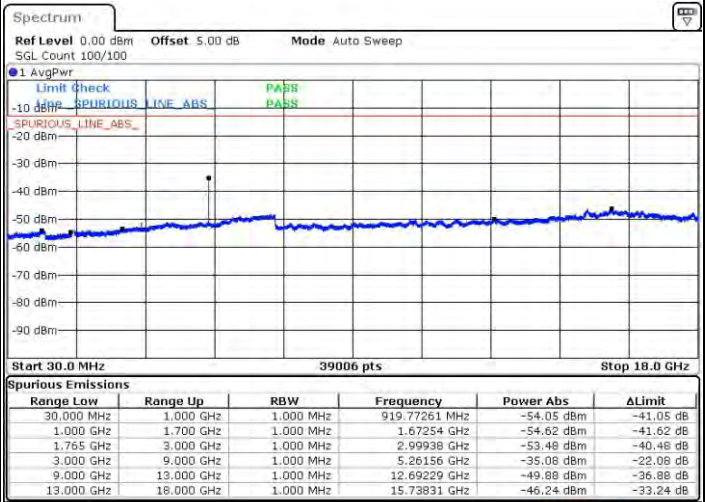
## LTE Band 4 / 1.4MHz

## Highest Channel / QPSK



Date: 14 DEC 2015 10:30:06

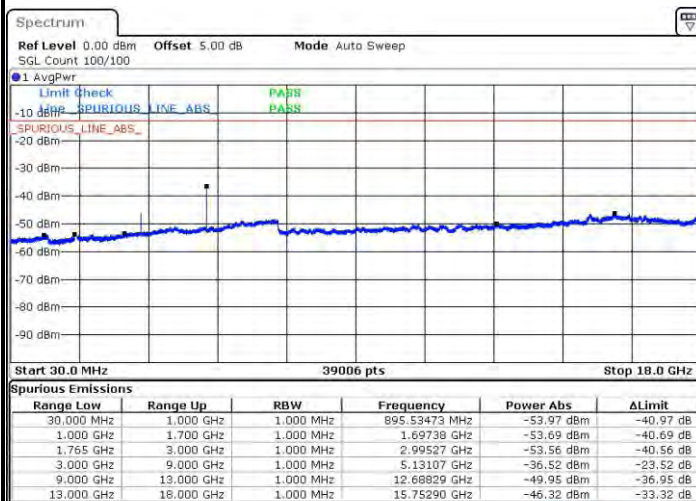
## Highest Channel / 16QAM



Date: 14 DEC 2015 10:31:02

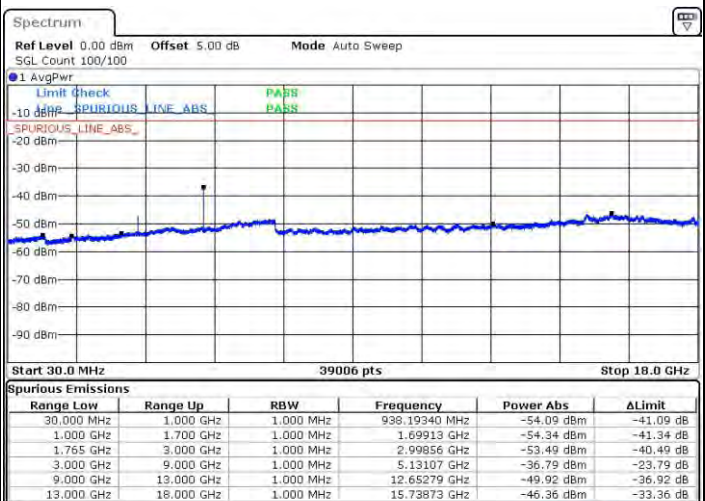
## LTE Band 4 / 3MHz

## Lowest Channel / QPSK



Date: 14 DEC 2015 10:37:11

## Lowest Channel / 16QAM



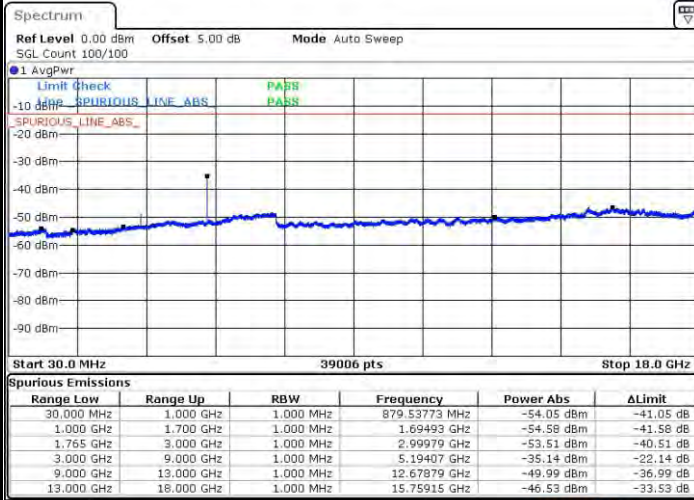
Date: 14 DEC 2015 10:38:07





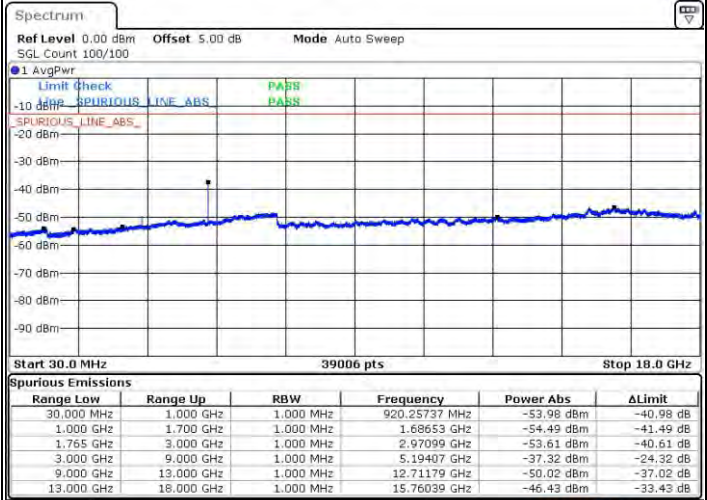
## LTE Band 4 / 3MHz

## Middle Channel / QPSK



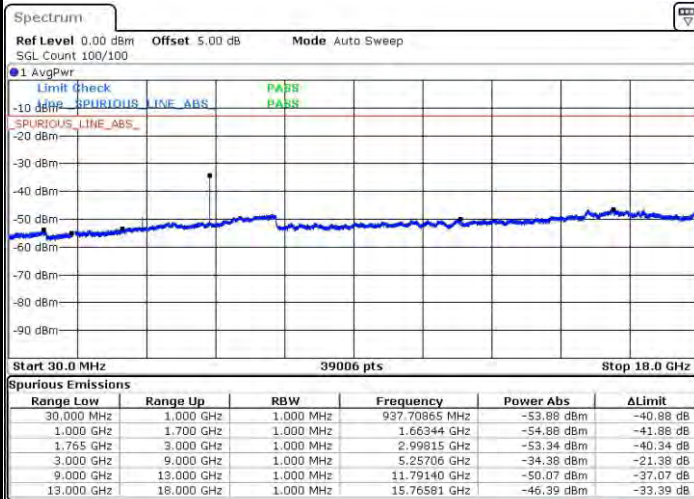
Date: 14 DEC 2015 10:39:44

## Middle Channel / 16QAM



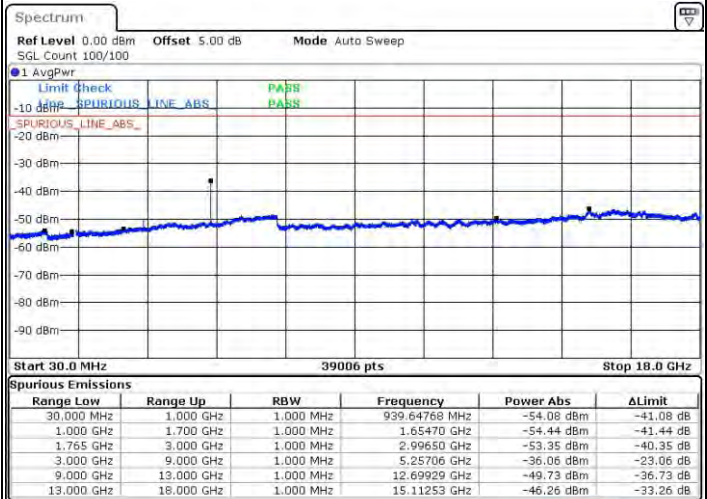
Date: 14 DEC 2015 10:40:39

## Highest Channel / QPSK



Date: 14 DEC 2015 10:46:48

## Highest Channel / 16QAM

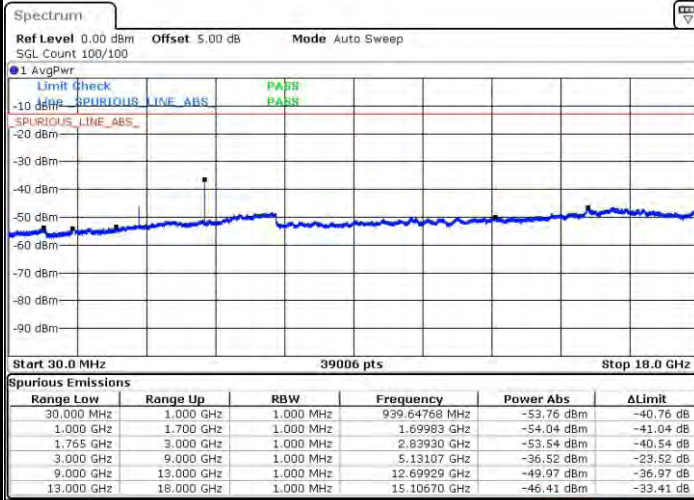


Date: 14 DEC 2015 10:47:43



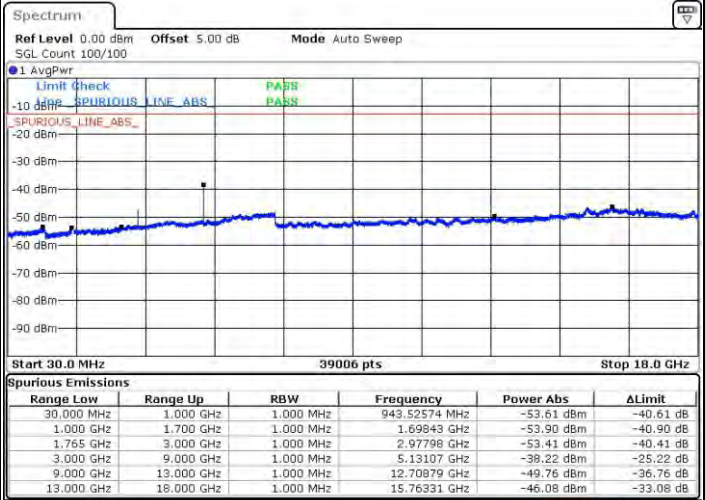
## LTE Band 4 / 5MHz

## Lowest Channel / QPSK



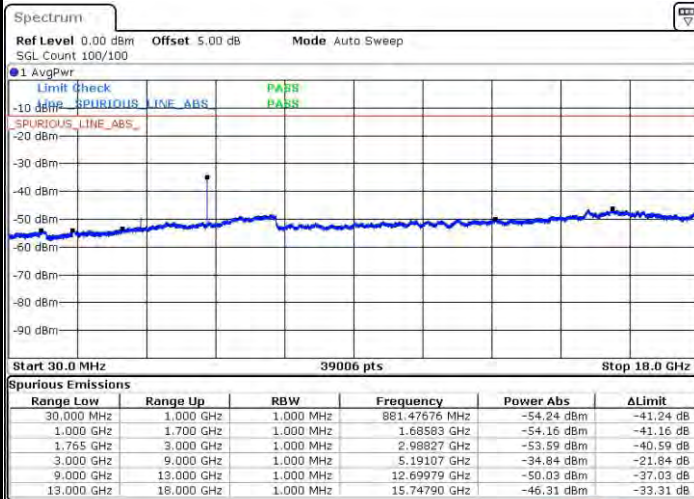
Date: 14 DEC 2015 10:53:53

## Lowest Channel / 16QAM



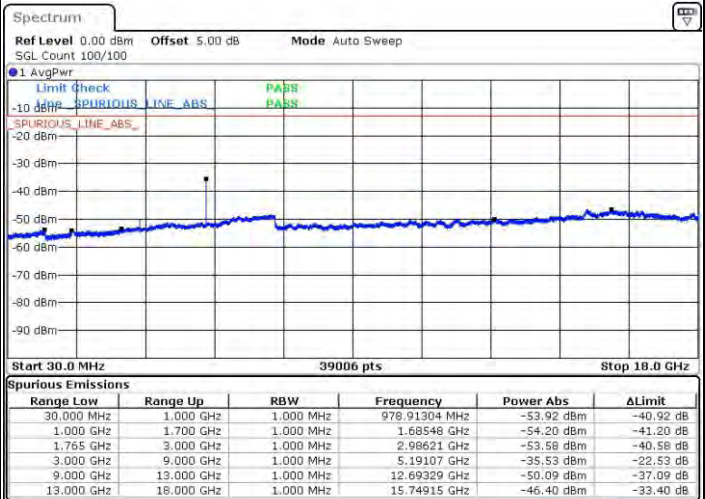
Date: 14 DEC 2015 10:54:48

## Middle Channel / QPSK



Date: 14 DEC 2015 10:56:26

## Middle Channel / 16QAM

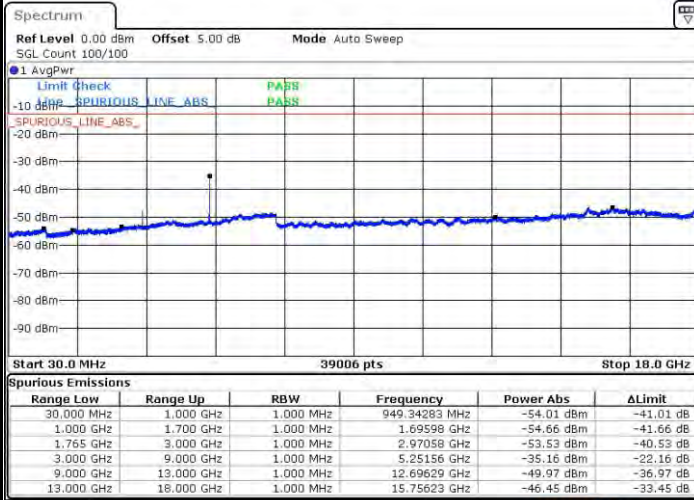


Date: 14 DEC 2015 10:57:21



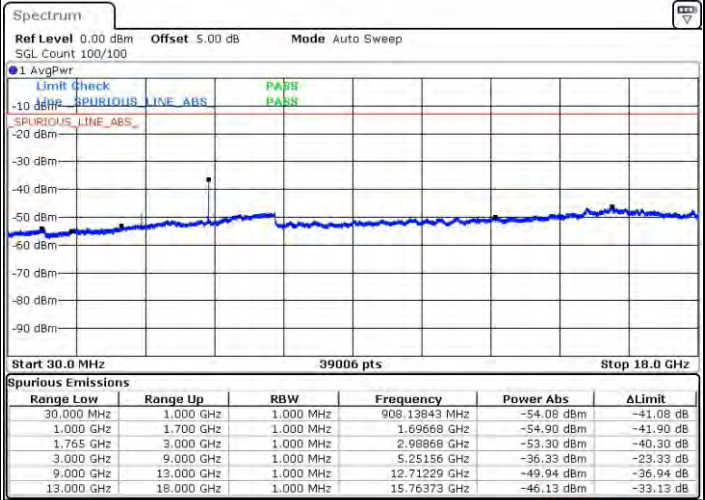
## LTE Band 4 / 5MHz

## Highest Channel / QPSK



Date: 14 DEC 2015 11:03:31

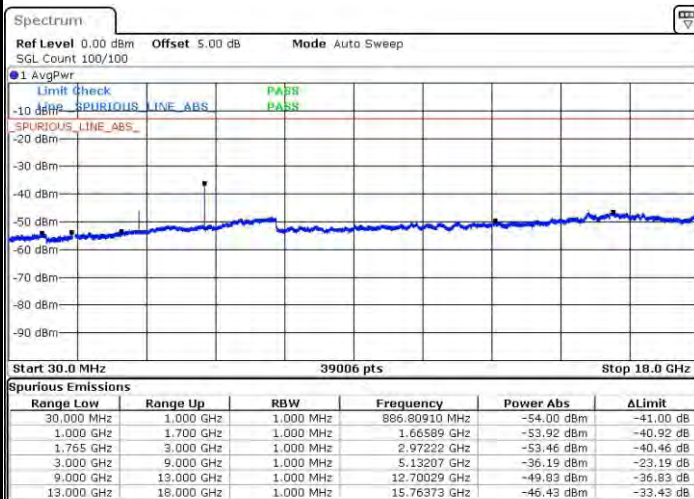
## Highest Channel / 16QAM



Date: 14 DEC 2015 11:04:26

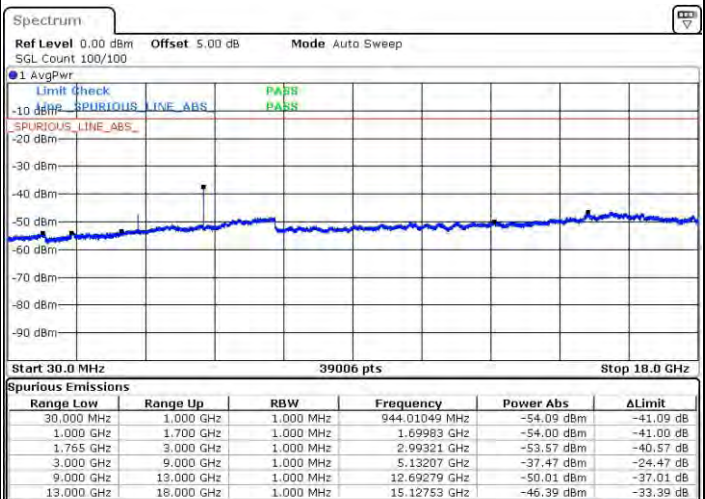
## LTE Band 4 / 10MHz

## Lowest Channel / QPSK



Date: 14 DEC 2015 11:10:36

## Lowest Channel / 16QAM



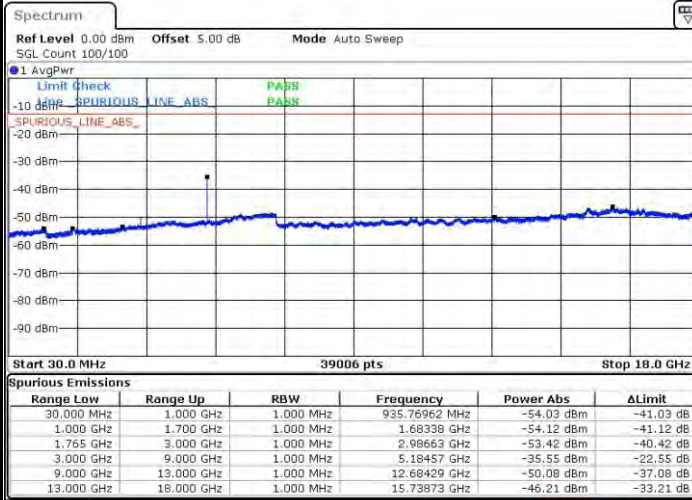
Date: 14 DEC 2015 11:11:31





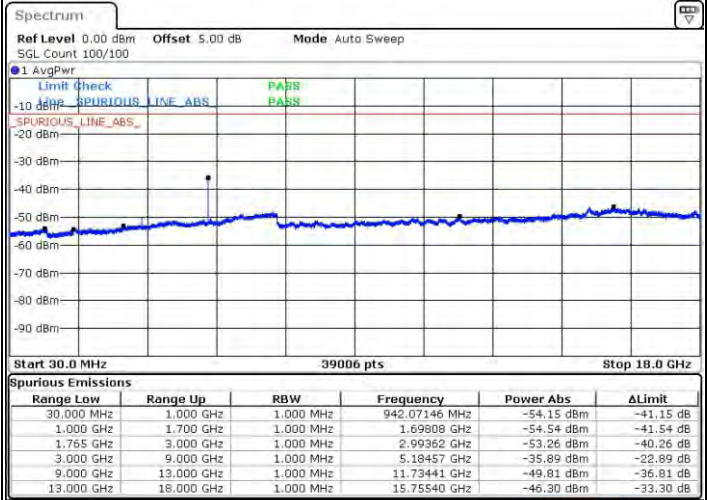
## LTE Band 4 / 10MHz

## Middle Channel / QPSK



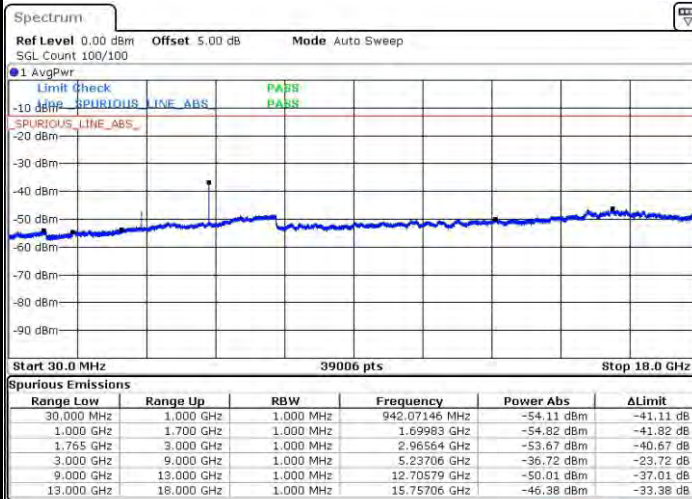
Date: 14 DEC 2015 11:13:09

## Middle Channel / 16QAM



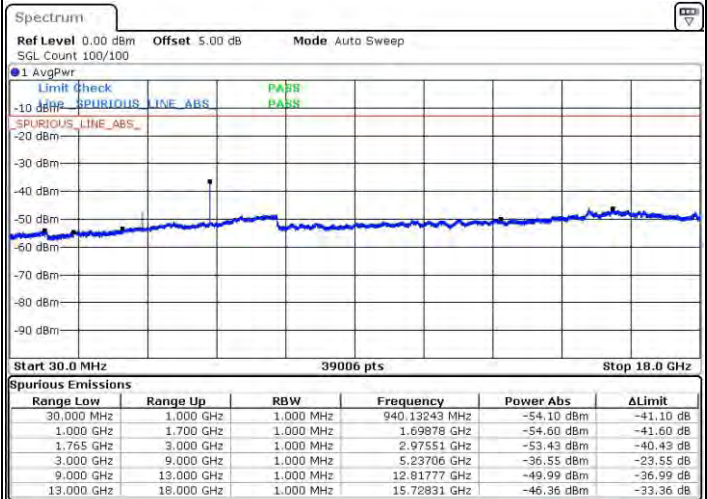
Date: 14 DEC 2015 11:14:04

## Highest Channel / QPSK



Date: 14 DEC 2015 11:20:13

## Highest Channel / 16QAM

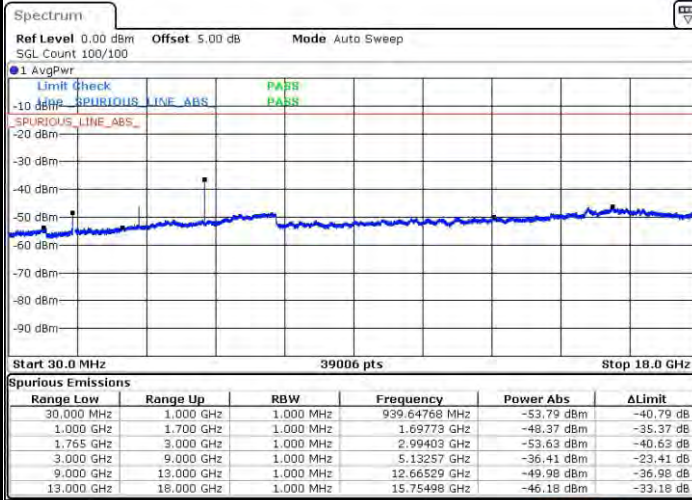


Date: 14 DEC 2015 11:21:09



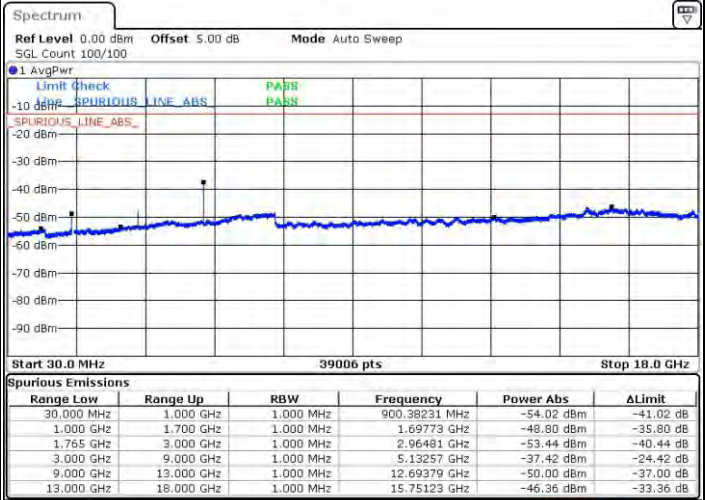
## LTE Band 4 / 15MHz

## Lowest Channel / QPSK



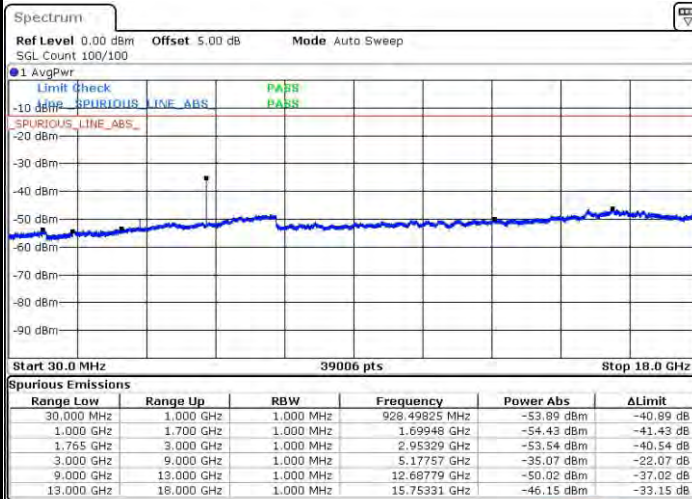
Date: 14 DEC 2015 11:27:18

## Lowest Channel / 16QAM



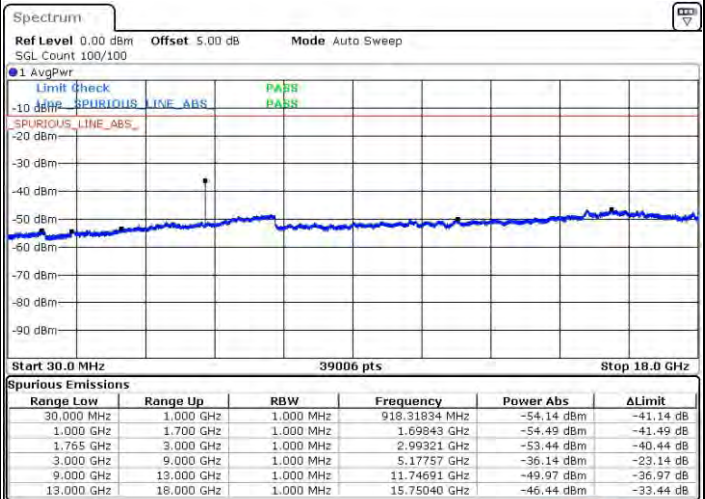
Date: 14 DEC 2015 13:40:48

## Middle Channel / QPSK



Date: 14 DEC 2015 11:29:51

## Middle Channel / 16QAM

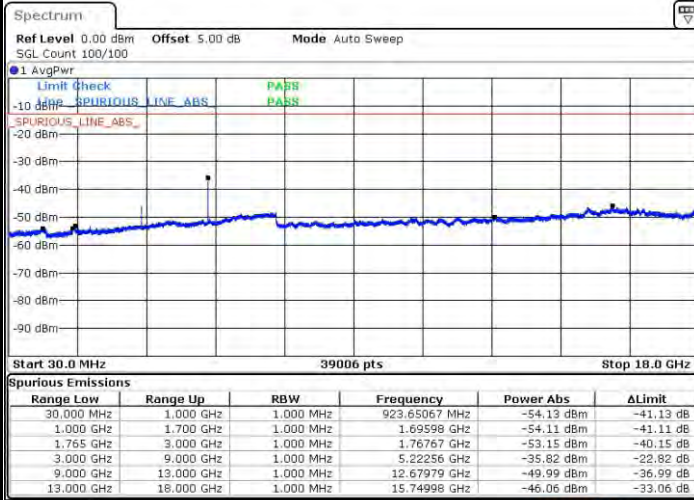


Date: 14 DEC 2015 11:30:46



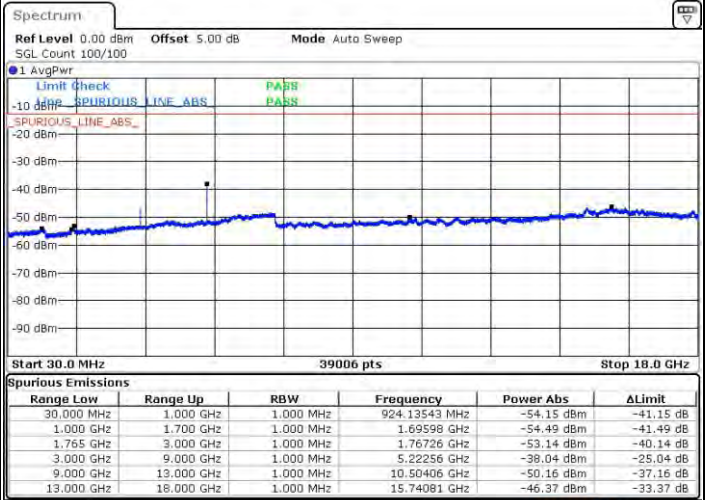
## LTE Band 4 / 15MHz

## Highest Channel / QPSK



Date: 14 DEC 2015 11:36:56

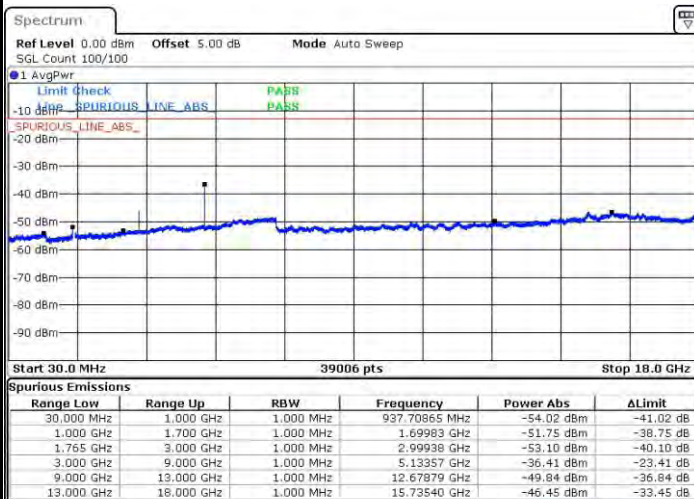
## Highest Channel / 16QAM



Date: 14 DEC 2015 11:37:51

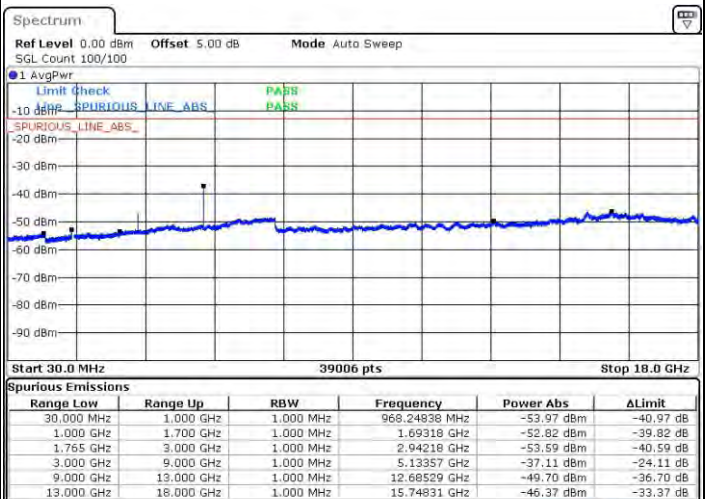
## LTE Band 4 / 20MHz

## Lowest Channel / QPSK



Date: 14 DEC 2015 11:44:01

## Lowest Channel / 16QAM



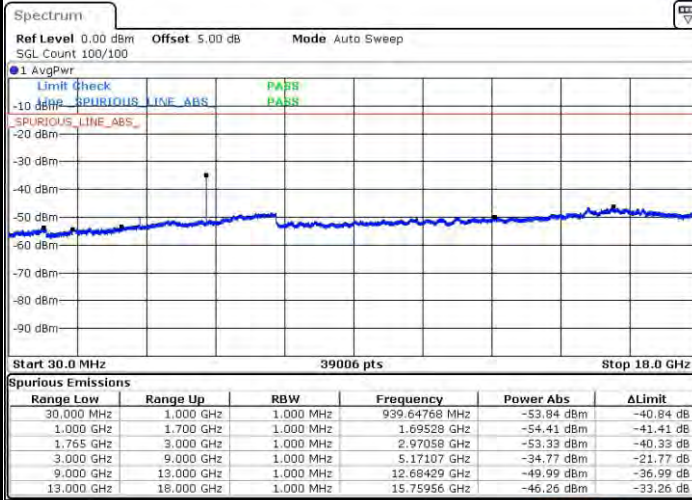
Date: 14 DEC 2015 11:44:56





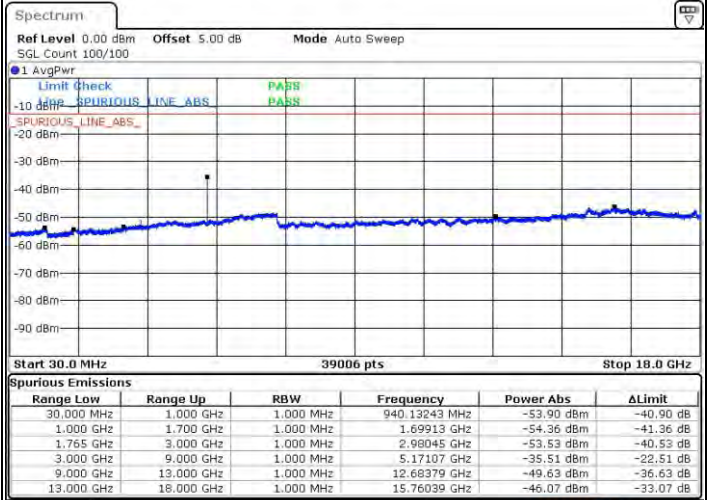
## LTE Band 4 / 20MHz

## Middle Channel / QPSK



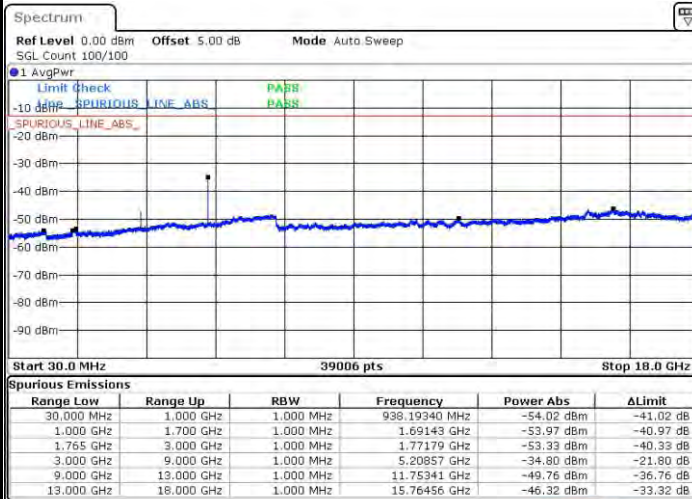
Date: 14 DEC 2015 11:46:33

## Middle Channel / 16QAM



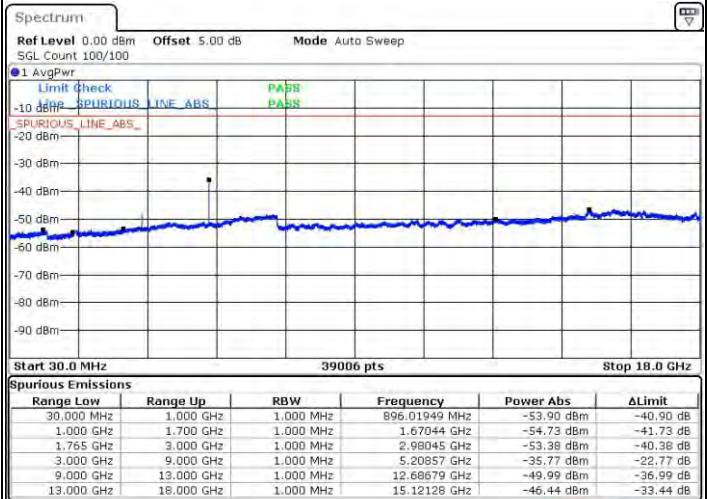
Date: 14 DEC 2015 11:47:29

## Highest Channel / QPSK



Date: 14 DEC 2015 11:53:38

## Highest Channel / 16QAM

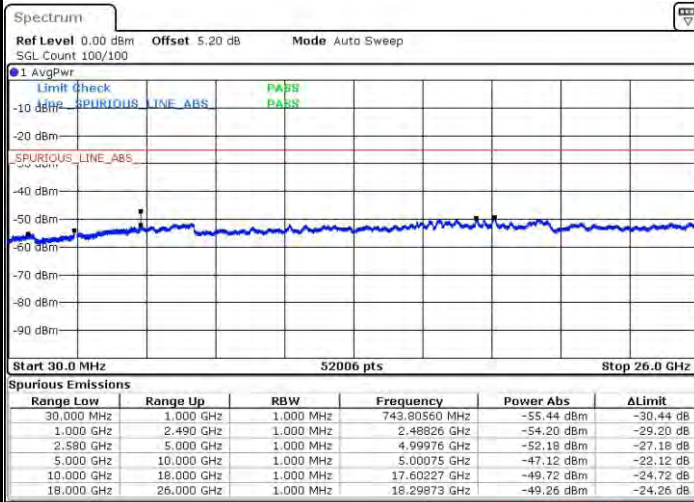


Date: 14 DEC 2015 11:54:34



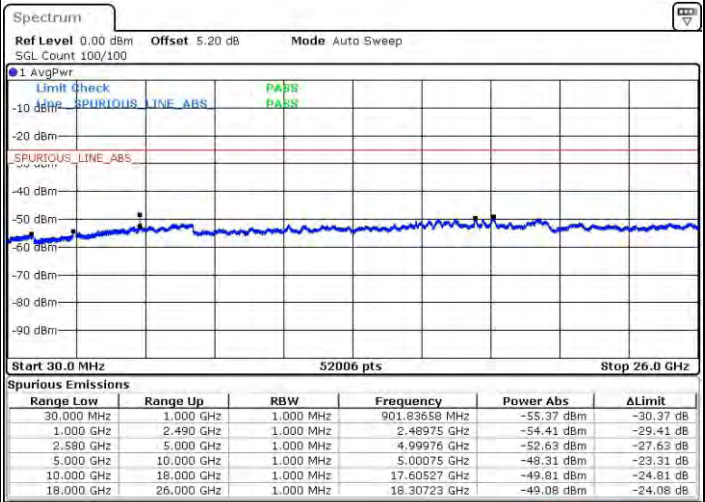
## LTE Band 7 / 5MHz

## Lowest Channel / QPSK



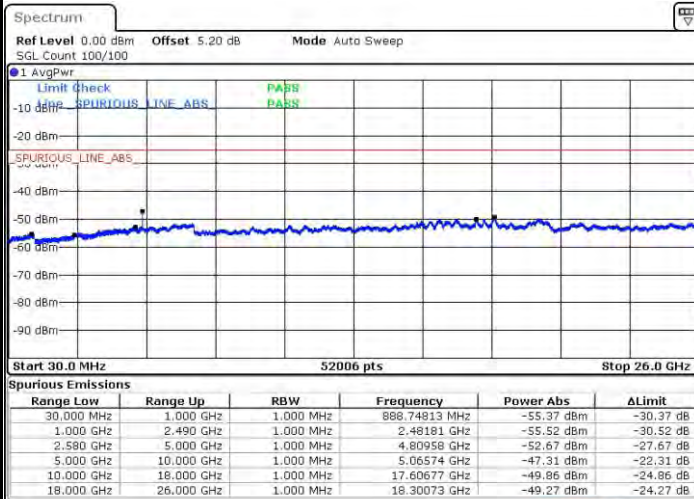
Date: 16 DEC 2015 03:38:16

## Lowest Channel / 16QAM



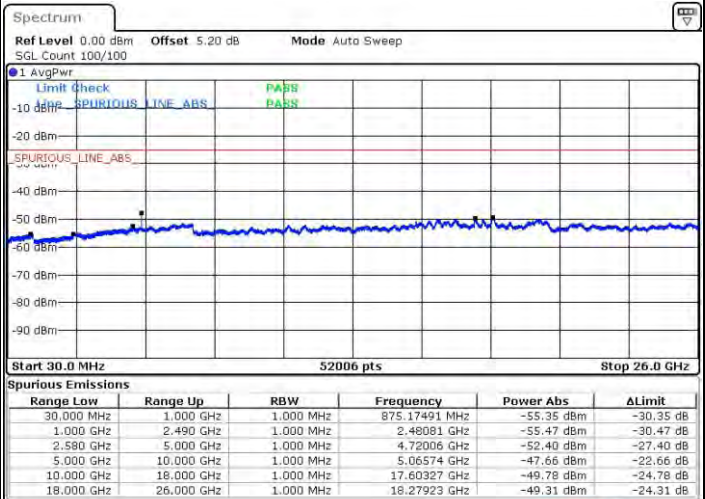
Date: 16 DEC 2015 03:39:10

## Middle Channel / QPSK



Date: 16 DEC 2015 03:40:57

## Middle Channel / 16QAM

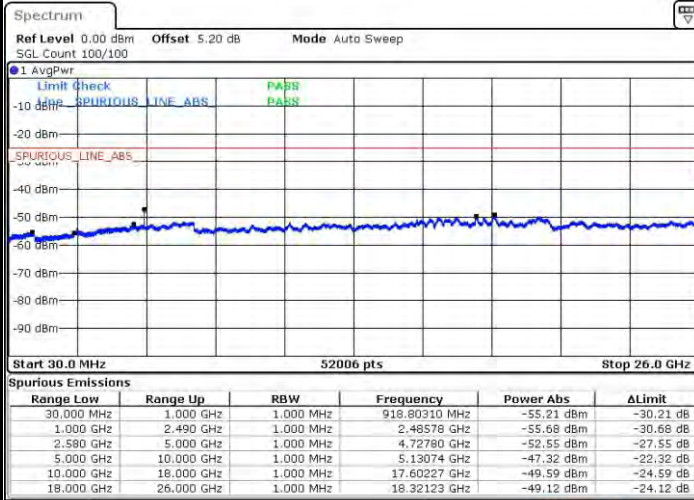


Date: 16 DEC 2015 03:40:04



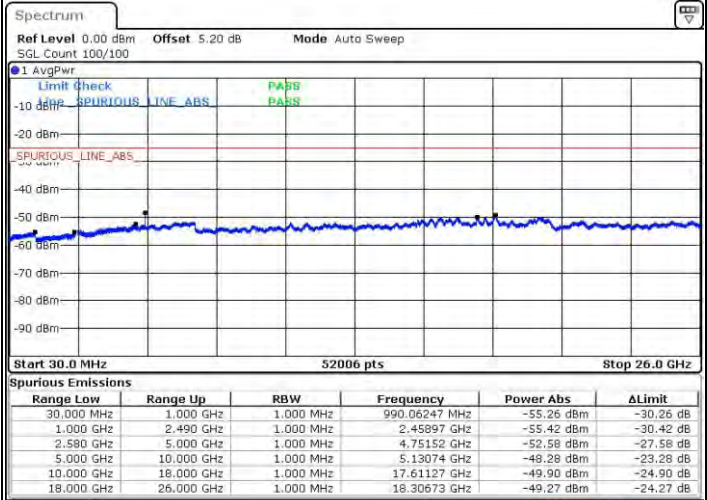
## LTE Band 7 / 5MHz

## Highest Channel / QPSK



Date: 16 DEC 2015 03:41:51

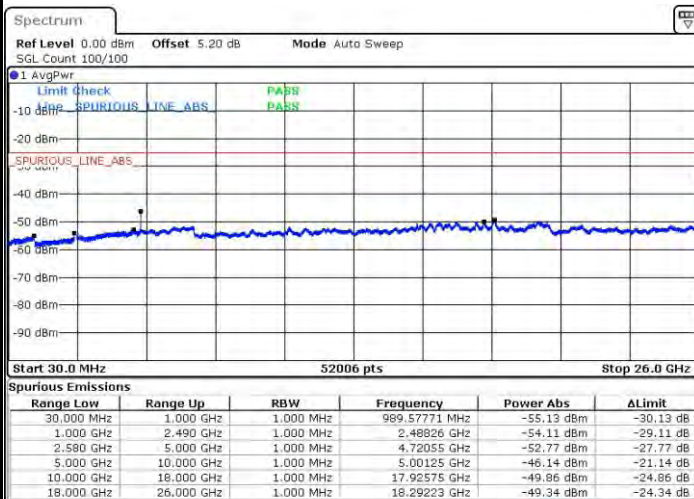
## Highest Channel / 16QAM



Date: 16 DEC 2015 03:42:44

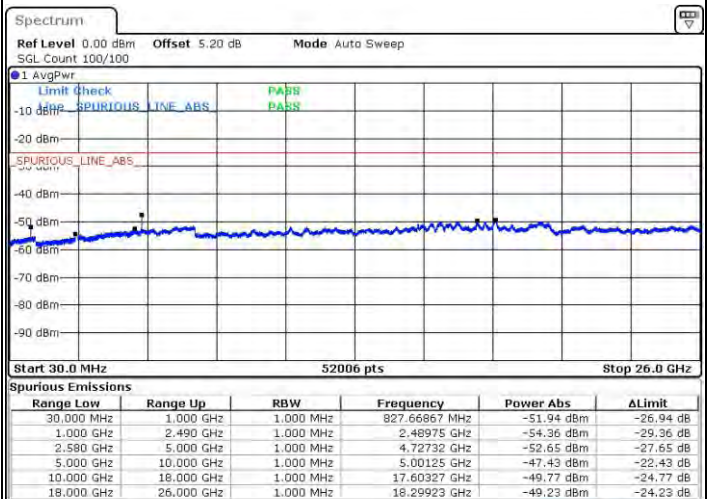
## LTE Band 7 / 10MHz

## Lowest Channel / QPSK



Date: 16 DEC 2015 03:44:31

## Lowest Channel / 16QAM



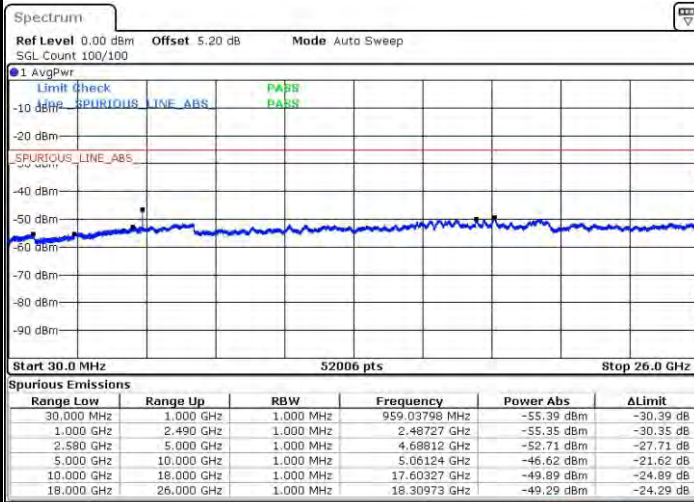
Date: 16 DEC 2015 03:43:38





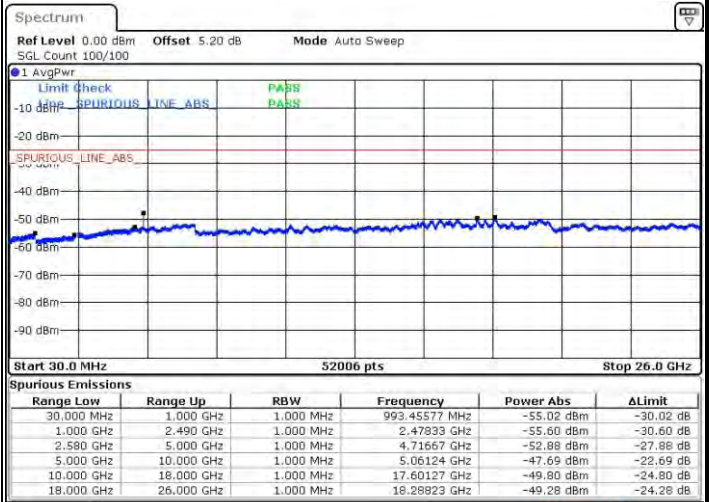
## LTE Band 7 / 10MHz

## Middle Channel / QPSK



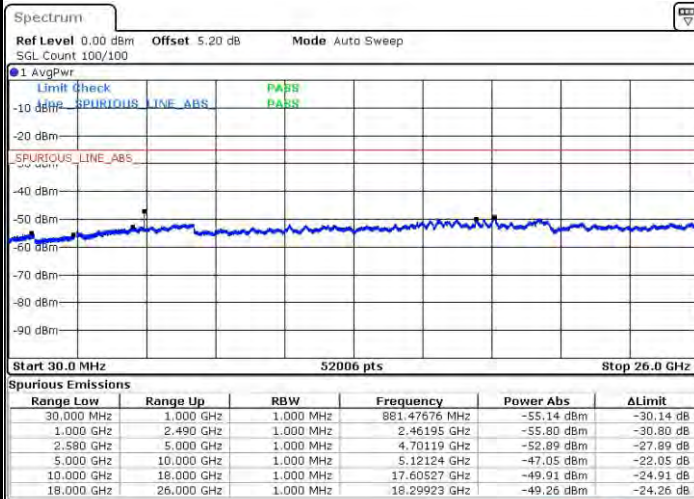
Date: 16 DEC 2015 03:45:25

## Middle Channel / 16QAM



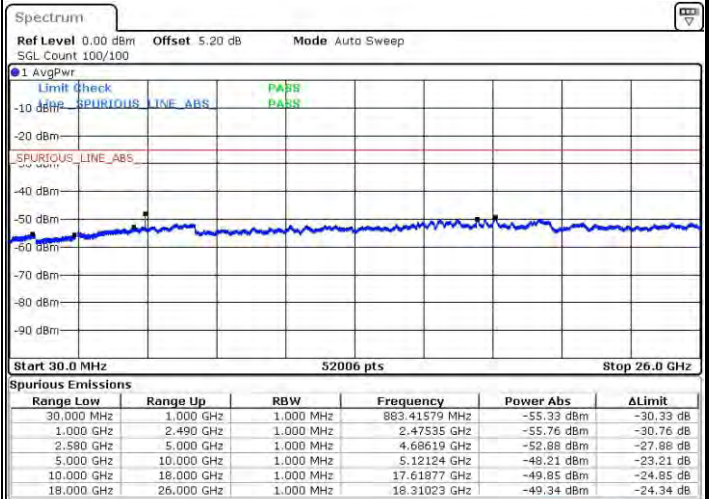
Date: 16 DEC 2015 03:46:18

## Highest Channel / QPSK



Date: 16 DEC 2015 03:48:06

## Highest Channel / 16QAM

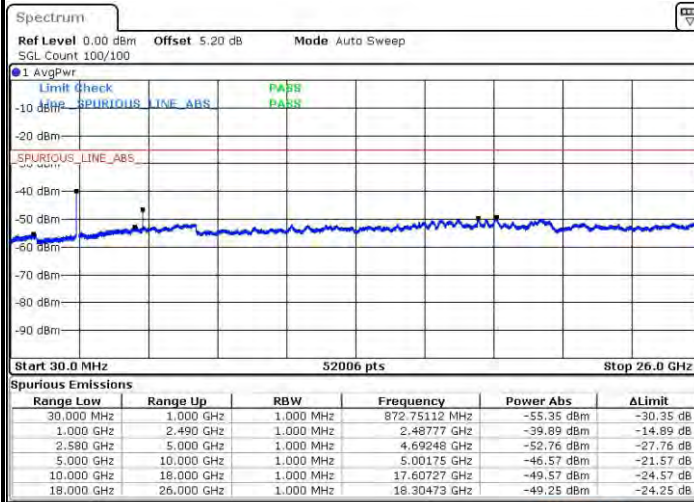


Date: 16 DEC 2015 03:47:12



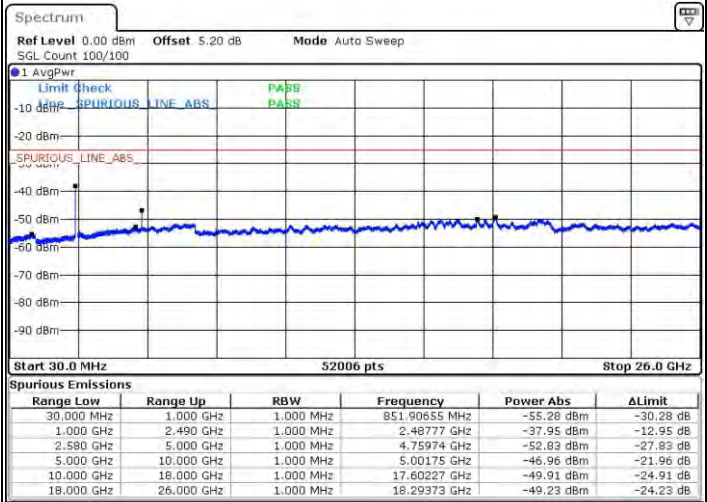
## LTE Band 7 / 15MHz

## Lowest Channel / QPSK



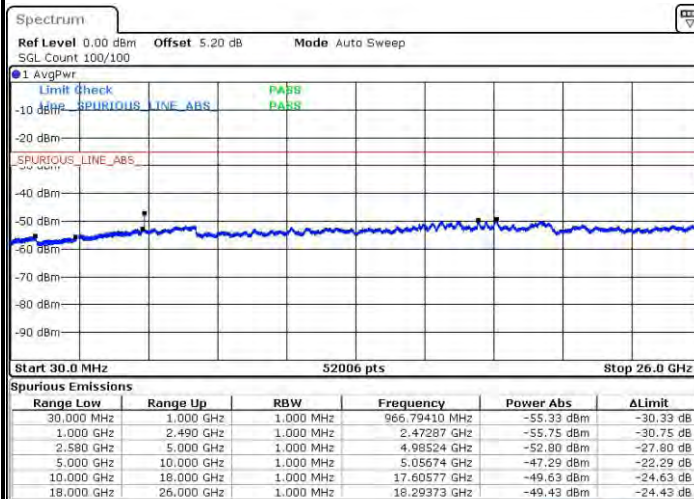
Date: 16 DEC 2015 03:48:59

## Lowest Channel / 16QAM



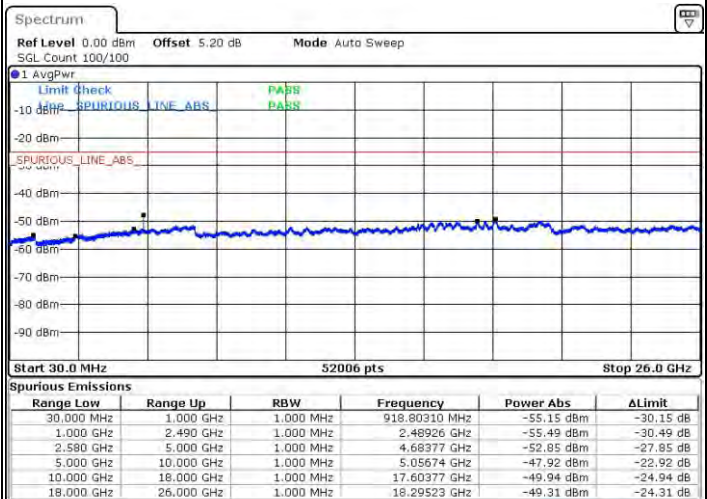
Date: 16 DEC 2015 03:49:53

## Middle Channel / QPSK



Date: 16 DEC 2015 03:51:40

## Middle Channel / 16QAM

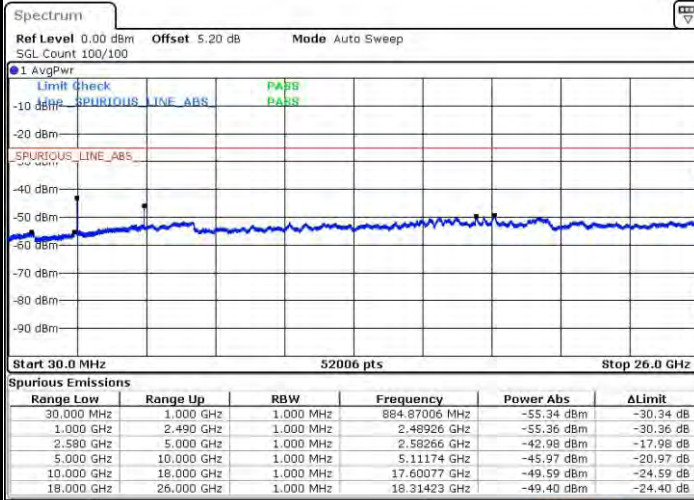


Date: 16 DEC 2015 03:50:46



## LTE Band 7 / 15MHz

## Highest Channel / QPSK



Date: 16 DEC 2015 03:52:33

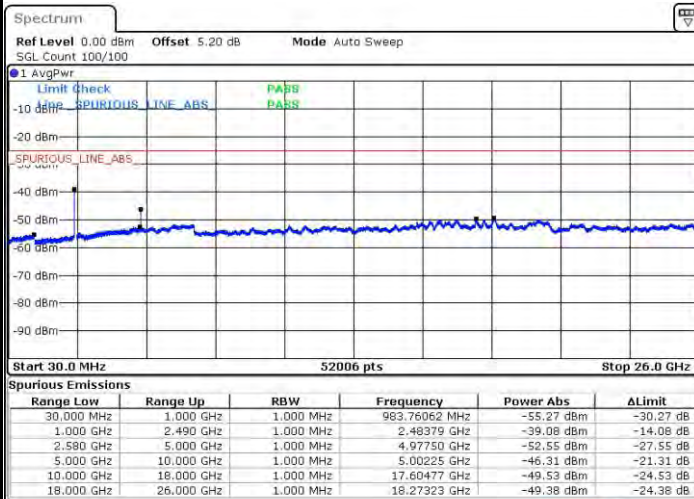
## Highest Channel / 16QAM



Date: 16 DEC 2015 03:53:27

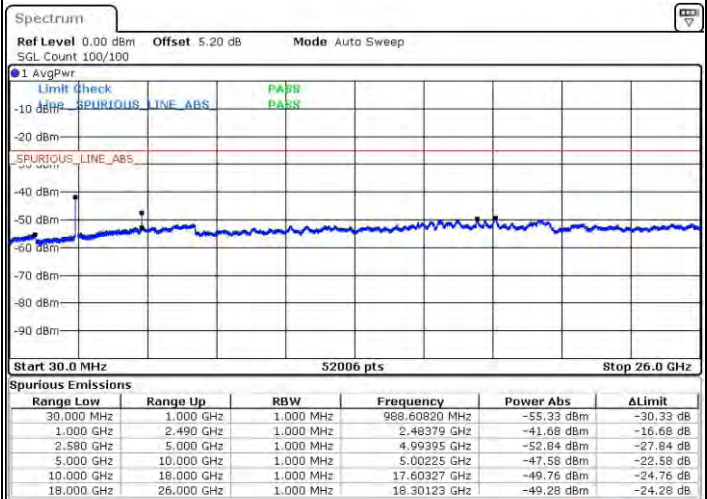
## LTE Band 7 / 20MHz

## Lowest Channel / QPSK



Date: 16 DEC 2015 03:55:14

## Lowest Channel / 16QAM



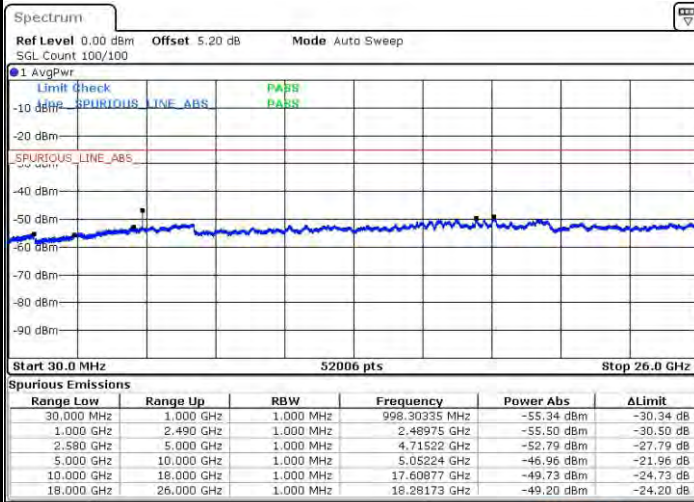
Date: 16 DEC 2015 03:54:20





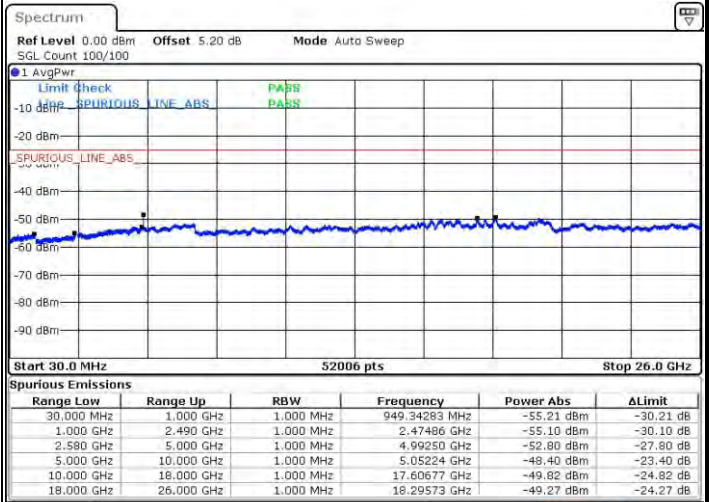
## LTE Band 7 / 20MHz

## Middle Channel / QPSK



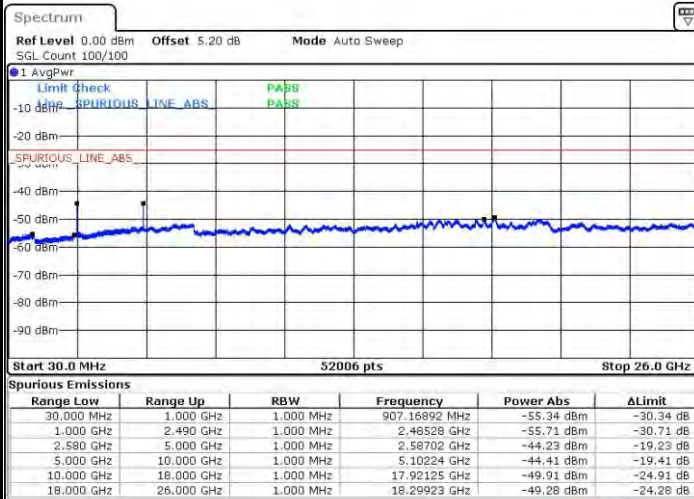
Date: 16 DEC 2015 03:56:07

## Middle Channel / 16QAM



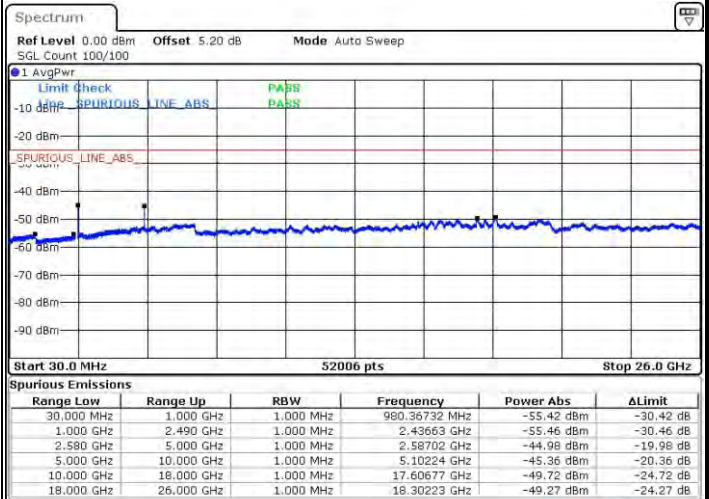
Date: 16 DEC 2015 03:57:01

## Highest Channel / QPSK



Date: 16 DEC 2015 03:58:48

## Highest Channel / 16QAM



Date: 16 DEC 2015 03:57:54

## 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	0.0001	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0003	

**Note:**

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.35V
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	0.0013	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0017	
20	Battery End Point	0.0002	

**Note:**

1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.5 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 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0001	

**Note:**

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage =4.35V
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**

**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	22.54	0.1795	22.51	0.1782
Middle		1	3	23.04	0.2014	22.84	0.1923
Highest		3	1	22.54	0.1795	22.67	0.1849
Lowest	16QAM	1	3	21.62	0.1452	21.46	0.1400
Middle		1	3	22.26	0.1683	22.11	0.1626
Highest		1	3	21.98	0.1578	22.12	0.1629
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	22.81	0.1910	19.98	0.0995
Middle		1	0	23.15	0.2065	20.23	0.1054
Highest		1	0	22.94	0.1968	20.17	0.1040
Lowest	16QAM	1	0	21.86	0.1535	19.16	0.0824
Middle		1	0	22.24	0.1675	19.60	0.0912
Highest		1	0	21.96	0.1570	19.51	0.0893
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	12	23.07	0.2028	20.19	0.1045
Middle		1	12	23.27	0.2123	20.26	0.1062
Highest		1	0	23.09	0.2037	20.25	0.1059
Lowest	16QAM	1	0	21.85	0.1531	18.94	0.0783
Middle		1	24	22.36	0.1722	19.35	0.0861
Highest		1	0	22.06	0.1607	19.66	0.0925
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	0	22.73	0.1875	22.64	0.1837
Middle		1	0	23.07	0.2028	22.77	0.1892
Highest		1	0	23.51	0.2244	20.61	0.1151
Lowest	16QAM	1	0	21.70	0.1479	21.73	0.1489
Middle		1	25	22.09	0.1618	21.70	0.1479
Highest		1	0	22.97	0.1982	19.22	0.0836
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	22.82	0.1914	22.74	0.1879
Middle		1	0	23.36	0.2168	23.34	0.2158
Highest		1	0	23.39	0.2183	23.24	0.2109
Lowest	16QAM	1	0	22.13	0.1633	21.91	0.1552
Middle		1	0	22.24	0.1675	22.24	0.1675
Highest		1	0	22.46	0.1762	22.39	0.1734
Limit	EIRP < 2W			Result		PASS	

LTE Band 2 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	22.63	0.1832	23.05	0.2018
Middle		1	0	23.02	0.2004	23.02	0.2004
Highest		1	0	22.84	0.1923	22.77	0.1892
Lowest	16QAM	1	0	22.09	0.1618	22.16	0.1644
Middle		1	99	22.09	0.1618	22.03	0.1596
Highest		1	0	22.24	0.1675	22.20	0.1660
Limit	EIRP < 2W			Result		PASS	



LTE Band 4 / 1.4MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	3	0	21.58	0.1439	21.31	0.1352
Middle		3	1	21.25	0.1334	21.29	0.1346
Highest		3	1	20.90	0.1230	21.22	0.1324
Lowest	16QAM	1	0	21.81	0.1517	21.30	0.1349
Middle		1	5	21.44	0.1393	21.45	0.1396
Highest		1	0	21.03	0.1268	21.34	0.1361
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	22.34	0.1714	22.06	0.1607
Middle		1	14	22.74	0.1879	22.25	0.1679
Highest		1	8	21.76	0.1500	22.26	0.1683
Lowest	16QAM	1	14	21.73	0.1489	21.34	0.1361
Middle		1	0	21.41	0.1384	21.56	0.1432
Highest		1	14	20.97	0.1250	21.32	0.1355
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	0	22.93	0.1963	22.13	0.1633
Middle		1	0	22.33	0.1710	22.14	0.1637
Highest		1	12	22.29	0.1694	22.09	0.1618
Lowest	16QAM	1	24	22.09	0.1618	21.20	0.1318
Middle		1	0	21.69	0.1476	21.24	0.1330
Highest		1	24	20.98	0.1253	20.96	0.1247
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	22.73	0.1875	22.18	0.1652
Middle		1	0	22.42	0.1746	21.84	0.1528
Highest		1	49	21.63	0.1455	21.95	0.1567
Lowest	16QAM	1	0	21.99	0.1581	21.07	0.1279
Middle		1	0	21.33	0.1358	21.33	0.1358
Highest		1	49	20.87	0.1222	20.99	0.1256
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	22.55	0.1799	21.70	0.1479
Middle		1	0	22.25	0.1679	20.11	0.1026
Highest		1	0	22.38	0.1730	22.54	0.1795
Lowest	16QAM	1	0	21.99	0.1581	21.10	0.1288
Middle		1	0	21.50	0.1413	20.40	0.1096
Highest		1	0	21.74	0.1493	21.62	0.1452
Limit	EIRP < 1W			Result		PASS	

LTE Band 4 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	21.95	0.1567	20.30	0.1072
Middle		1	0	22.04	0.1600	20.22	0.1052
Highest		1	0	22.10	0.1622	19.98	0.0995
Lowest	16QAM	1	0	20.93	0.1239	19.32	0.0855
Middle		1	0	21.15	0.1303	19.51	0.0893
Highest		1	0	21.32	0.1355	19.30	0.0851
Limit	EIRP < 1W			Result		PASS	



LTE Band 7 / 5MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	26.42	0.4385	26.16	0.4130
Middle		1	0	27.62	0.5781	27.44	0.5546
Highest		1	0	28.49	0.7063	27.88	0.6138
Lowest	16QAM	1	0	25.60	0.3631	25.43	0.3491
Middle		1	0	26.69	0.4667	26.56	0.4529
Highest		1	0	27.50	0.5623	27.09	0.5117
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 10MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	26.39	0.4355	26.29	0.4256
Middle		1	49	27.77	0.5984	27.74	0.5943
Highest		1	0	28.60	0.7244	28.00	0.6310
Lowest	16QAM	1	0	25.72	0.3733	25.52	0.3565
Middle		1	0	26.75	0.4732	26.64	0.4613
Highest		1	0	27.59	0.5741	27.23	0.5284
Limit	EIRP < 2W			Result		PASS	



LTE Band 7 / 15MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	26.47	0.4436	26.27	0.4236
Middle		1	0	27.48	0.5598	27.40	0.5495
Highest		1	0	27.81	0.6039	27.47	0.5585
Lowest	16QAM	1	74	25.60	0.3631	25.45	0.3508
Middle		1	74	26.70	0.4677	26.52	0.4487
Highest		1	0	26.92	0.4920	26.60	0.4571
Limit	EIRP < 2W			Result		PASS	

LTE Band 7 / 20MHz (Average)							
Channel	Modulation	RB		Horizontal		Vertical	
		Size	Offset	EIRP(dBm)	EIRP(W)	EIRP(dBm)	EIRP(W)
Lowest	QPSK	1	0	26.39	0.4355	26.27	0.4236
Middle		1	0	27.16	0.5200	27.15	0.5188
Highest		1	0	27.92	0.6194	27.68	0.5861
Lowest	16QAM	1	0	25.78	0.3784	25.71	0.3724
Middle		1	0	26.41	0.4375	26.38	0.4345
Highest		1	0	27.27	0.5333	27.03	0.5047
Limit	EIRP < 2W			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	-53.23	-13	-40.23	-62.79	-58.23	2.60	7.60	H
	5640	-34.65	-13	-21.65	-50.48	-41.65	3.10	10.10	H
	7520	-50.66	-13	-37.66	-69.39	-56.82	5.77	11.93	H
	3759	-52.43	-13	-39.43	-62.95	-57.43	2.60	7.60	V
	5640	-39.04	-13	-26.04	-54.7	-46.04	3.10	10.10	V
	7520	-50.91	-13	-37.91	-68.83	-57.07	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	-53.04	-13	-40.04	-62.60	-58.04	2.60	7.60	H
	5637	-37.08	-13	-24.08	-52.78	-44.08	3.10	10.10	H
	7517	-49.93	-13	-36.93	-68.66	-56.09	5.77	11.93	H
	3759	-51.77	-13	-38.77	-62.29	-56.77	2.60	7.60	V
	5637	-37.13	-13	-24.13	-52.98	-44.13	3.10	10.10	V
	7517	-50.44	-13	-37.44	-68.36	-56.60	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	-52.51	-13	-39.51	-62.07	-57.51	2.60	7.60	H
	5634	-36.08	-13	-23.08	-51.80	-43.08	3.10	10.10	H
	7513	-50.65	-13	-37.65	-69.38	-56.81	5.77	11.93	H
	3756	-52.39	-13	-39.39	-62.91	-57.39	2.60	7.60	V
	5634	-38.43	-13	-25.43	-54.15	-45.43	3.10	10.10	V
	7513	-51.56	-13	-38.56	-69.48	-57.72	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	3750	-53.39	-13	-40.39	-62.95	-58.39	2.60	7.60	H
	5628	-36.01	-13	-23.01	-51.73	-43.01	3.10	10.10	H
	7503	-49.38	-13	-36.38	-68.11	-55.54	5.77	11.93	H
	3753	-53.10	-13	-40.10	-63.62	-58.10	2.60	7.60	V
	5628	-37.80	-13	-24.80	-53.58	-44.80	3.10	10.10	V
	7503	-50.26	-13	-37.26	-68.18	-56.42	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	-52.87	-13	-39.87	-62.43	-57.87	2.60	7.60	H
	5619	-37.94	-13	-24.94	-53.63	-44.94	3.10	10.10	H
	7491	-50.42	-13	-37.42	-69.15	-56.58	5.77	11.93	H
	3747	-53.17	-13	-40.17	-63.69	-58.17	2.60	7.60	V
	5619	-38.60	-13	-25.60	-54.3	-45.60	3.10	10.10	V
	7491	-50.73	-13	-37.73	-68.65	-56.89	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	-53.80	-13	-40.80	-63.36	-58.80	2.60	7.60	H
	5613	-38.09	-13	-25.09	-53.76	-45.09	3.10	10.10	H
	7482	-50.11	-13	-37.11	-68.84	-56.27	5.77	11.93	H
	3741	-52.01	-13	-39.01	-62.53	-57.01	2.60	7.60	V
	5613	-39.52	-13	-26.52	-55.23	-46.52	3.10	10.10	V
	7482	-51.45	-13	-38.45	-69.37	-57.61	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	-50.75	-13	-37.75	-58.99	-55.73	2.51	7.49	H
	5196	-40.26	-13	-27.26	-54.79	-46.73	2.98	9.45	H
	6927	-52.01	-13	-39.01	-68.80	-58.08	5.28	11.35	H
	3465	-53.38	-13	-40.38	-60.23	-58.36	2.51	7.49	V
	5196	-40.71	-13	-27.71	-56.3	-47.18	2.98	9.45	V
	6927	-48.89	-13	-35.89	-65.92	-54.96	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	-50.39	-13	-37.39	-58.69	-55.37	2.51	7.49	H
	5193	-39.12	-13	-26.12	-53.80	-45.59	2.98	9.45	H
	6924	-51.65	-13	-38.65	-68.44	-57.72	5.28	11.35	H
	3462	-54.38	-13	-41.38	-61.04	-59.36	2.51	7.49	V
	5193	-39.42	-13	-26.42	-55.04	-45.89	2.98	9.45	V
	6924	-48.77	-13	-35.77	-65.8	-54.84	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	3462	-51.14	-13	-38.14	-59.31	-56.12	2.51	7.49	H
	5190	-41.08	-13	-28.08	-55.61	-47.55	2.98	9.45	H
	6921	-49.90	-13	-36.90	-66.69	-55.97	5.28	11.35	H
	3462	-53.49	-13	-40.49	-60.33	-58.47	2.51	7.49	V
	5190	-40.80	-13	-27.80	-56.38	-47.27	2.98	9.45	V
	6921	-48.31	-13	-35.31	-65.34	-54.38	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	-52.70	-13	-39.70	-60.69	-57.68	2.51	7.49	H
	5184	-37.72	-13	-24.72	-52.49	-44.19	2.98	9.45	H
	6912	-50.69	-13	-37.69	-67.48	-56.76	5.28	11.35	H
	3456	-52.84	-13	-39.84	-59.76	-57.82	2.51	7.49	V
	5184	-38.75	-13	-25.75	-54.41	-45.22	2.98	9.45	V
	6912	-49.49	-13	-36.49	-66.52	-55.56	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	-52.33	-13	-39.33	-60.33	-57.31	2.51	7.49	H
	5178	-41.91	-13	-28.91	-56.31	-48.38	2.98	9.45	H
	6903	-50.30	-13	-37.30	-67.09	-56.37	5.28	11.35	H
	3453	-55.59	-13	-42.59	-61.88	-60.57	2.51	7.49	V
	5178	-40.80	-13	-27.80	-56.38	-47.27	2.98	9.45	V
	6903	-48.80	-13	-35.80	-65.83	-54.87	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	-52.76	-13	-39.76	-60.74	-57.74	2.51	7.49	H
	5172	-41.11	-13	-28.11	-55.64	-47.58	2.98	9.45	H
	6894	-49.60	-13	-36.60	-66.39	-55.67	5.28	11.35	H
	3447	-56.55	-13	-43.55	-62.7	-61.53	2.51	7.49	V
	5172	-42.15	-13	-29.15	-57.54	-48.62	2.98	9.45	V
	6894	-48.45	-13	-35.45	-65.48	-54.52	5.28	11.35	V

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





LTE Band 7 / 5MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5066	-47.76	-25	-22.76	-63.07	-55.48	1.56	9.27	H
	7598	-35.65	-25	-10.65	-55.88	-43.70	4.31	12.36	H
	10132	-44.77	-25	-19.77	-67.01	-52.96	4.21	12.40	H
	5066	-49.20	-25	-24.20	-61.6	-56.92	1.56	9.27	V
	7598	-37.80	-25	-12.80	-58.79	-45.85	4.31	12.36	V
	10132	-43.89	-25	-18.89	-68.61	-52.08	4.21	12.40	V

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

LTE Band 7 / 10MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5060	-45.96	-25	-20.96	-61.27	-53.68	1.56	9.27	H
	7592	-34.70	-25	-9.70	-55.03	-42.75	4.31	12.36	H
	10124	-44.85	-25	-19.85	-67.08	-53.04	4.21	12.40	H
	5060	-49.43	-25	-24.43	-61.83	-57.15	1.56	9.27	V
	7592	-39.51	-25	-14.51	-60.41	-47.56	4.31	12.36	V
	10124	-42.83	-25	-17.83	-67.55	-51.02	4.21	12.40	V

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



LTE Band 7 / 15MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5057	-47.07	-25	-22.07	-62.38	-54.79	1.56	9.27	H
	7586	-36.34	-25	-11.34	-56.52	-44.39	4.31	12.36	H
	10113	-46.74	-25	-21.74	-68.31	-54.93	4.21	12.40	H
	5057	-47.98	-25	-22.98	-60.38	-55.70	1.56	9.27	V
	7586	-40.09	-25	-15.09	-60.94	-48.14	4.31	12.36	V
	10113	-44.34	-25	-19.34	-69.06	-52.53	4.21	12.40	V

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

LTE Band 7 / 20MHz / QPSK / RB Size 1 Offset 0									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5051	-49.37	-25	-24.37	-64.68	-57.09	1.56	9.27	H
	7577	-34.77	-25	-9.77	-55.10	-42.82	4.31	12.36	H
	10104	-44.95	-25	-19.95	-67.17	-53.14	4.21	12.40	H
	5051	-50.48	-25	-25.48	-62.88	-58.20	1.56	9.27	V
	7577	-43.96	-25	-18.96	-64.19	-52.01	4.31	12.36	V
	10104	-43.86	-25	-18.86	-68.58	-52.05	4.21	12.40	V

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