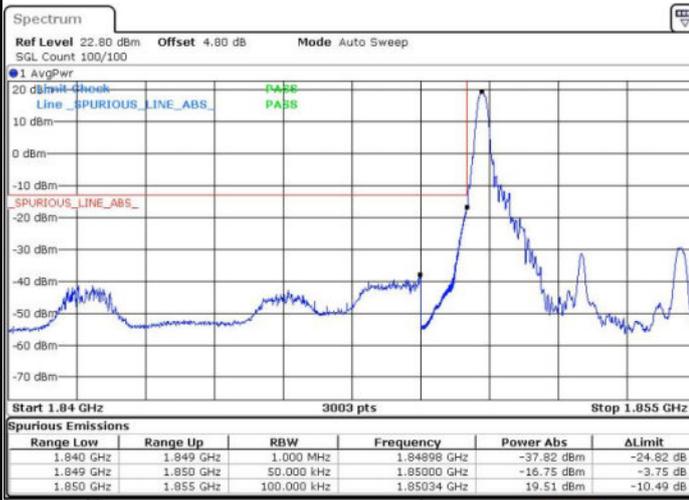




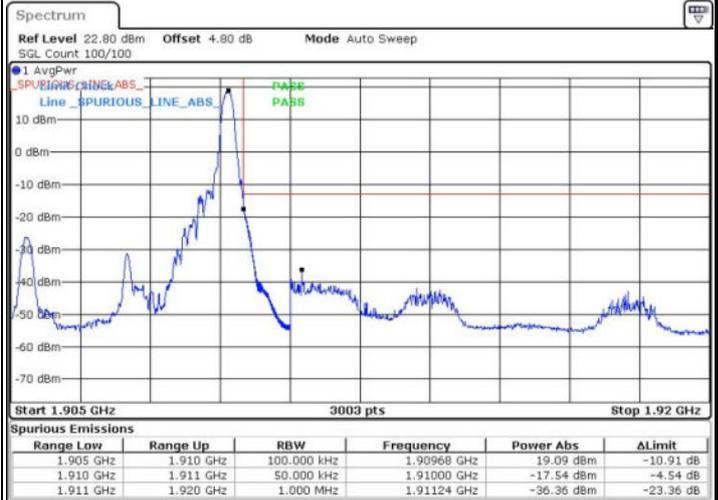
LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



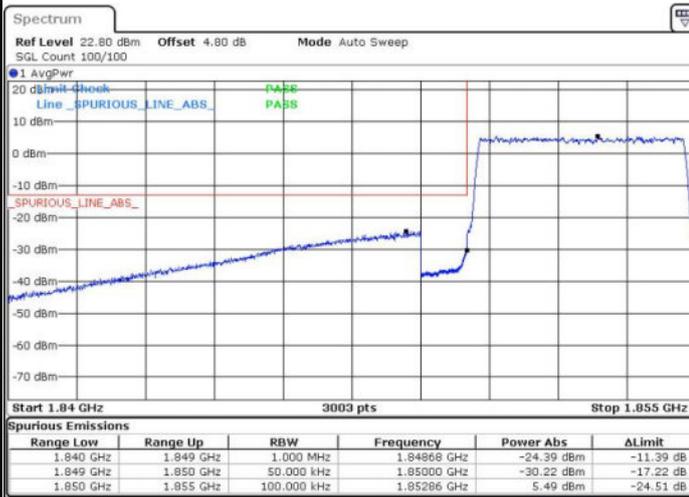
Date: 6 JUN 2016 22:49:59

Highest Band Edge / 1 RB



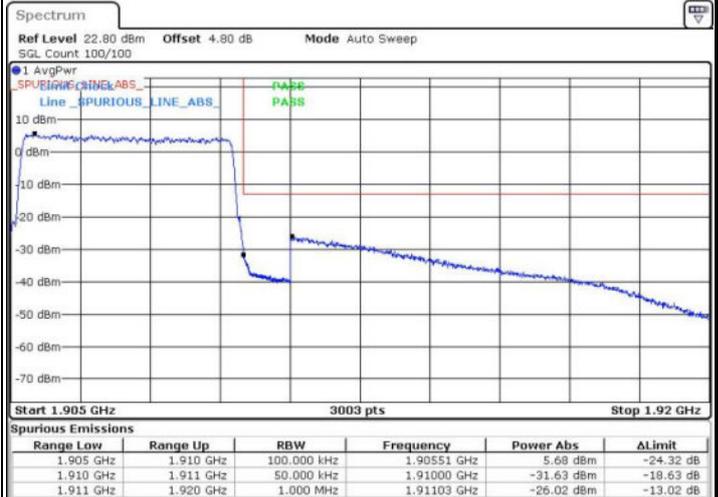
Date: 6 JUN 2016 22:59:37

Lowest Band Edge / Full RB



Date: 6 JUN 2016 22:52:15

Highest Band Edge / Full RB

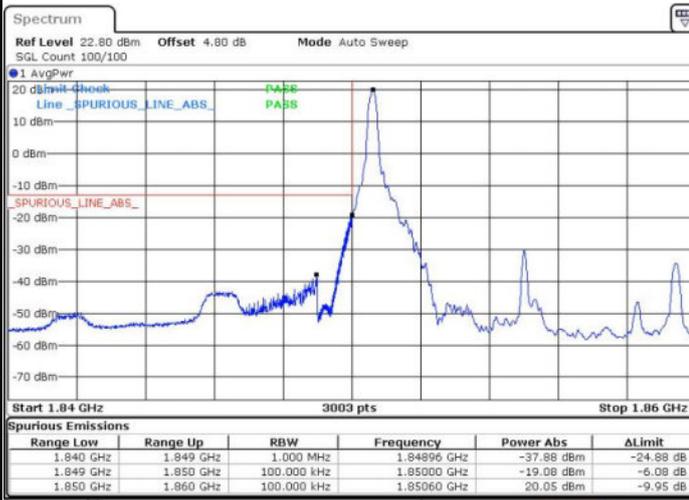


Date: 6 JUN 2016 23:01:53



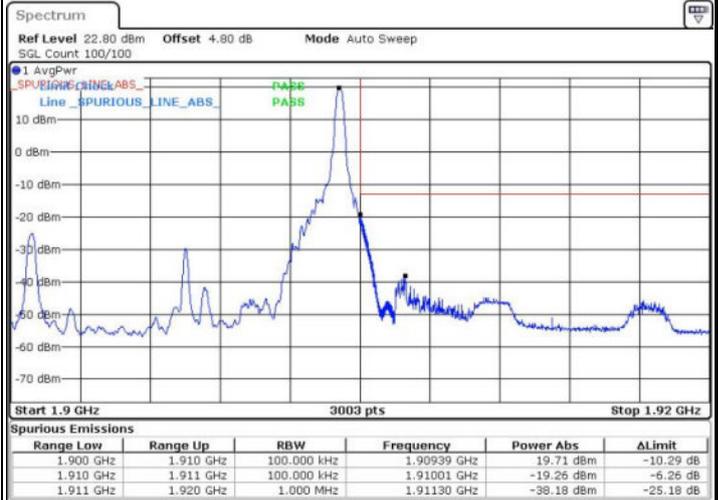
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



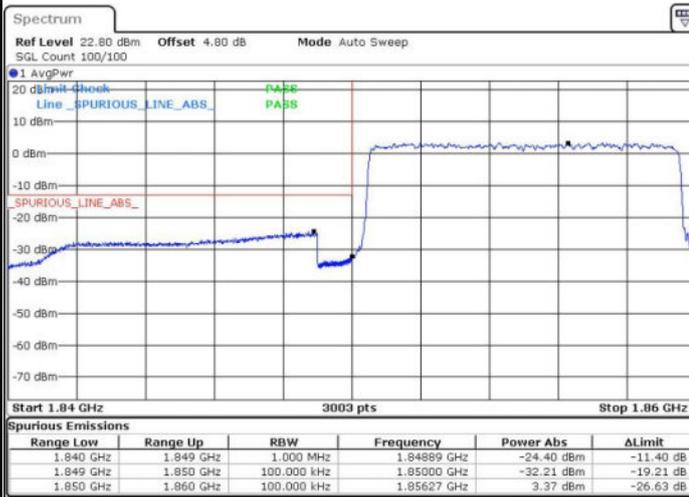
Date: 6 JUN 2016 23:05:34

Highest Band Edge / 1 RB



Date: 6 JUN 2016 23:15:12

Lowest Band Edge / Full RB



Date: 6 JUN 2016 23:07:50

Highest Band Edge / Full RB

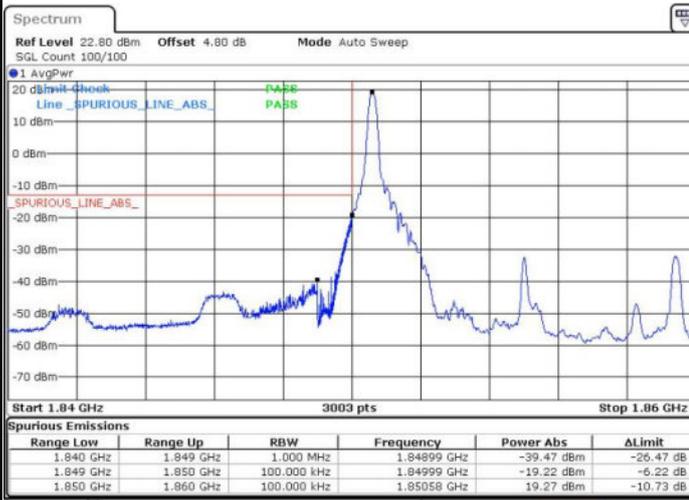


Date: 6 JUN 2016 23:17:28



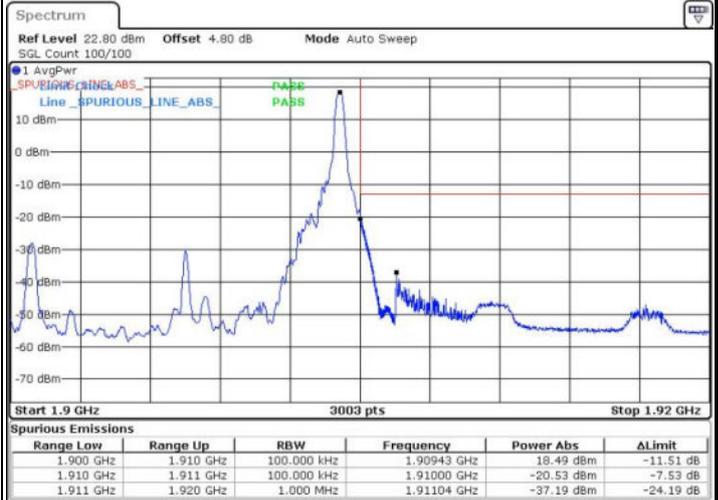
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



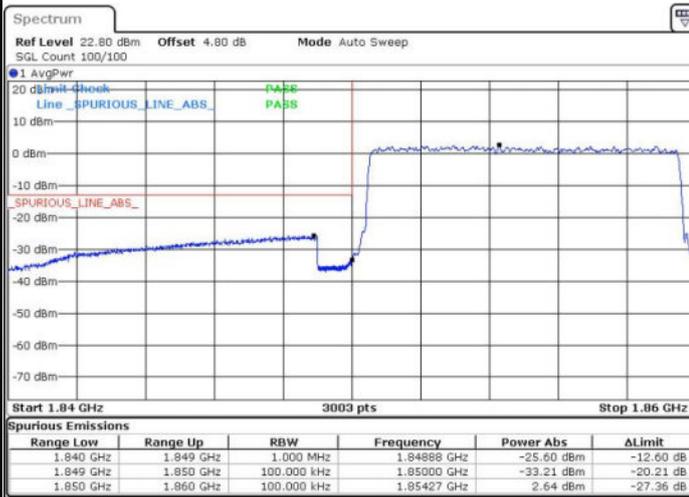
Date: 6 JUN 2016 23:06:42

Highest Band Edge / 1 RB



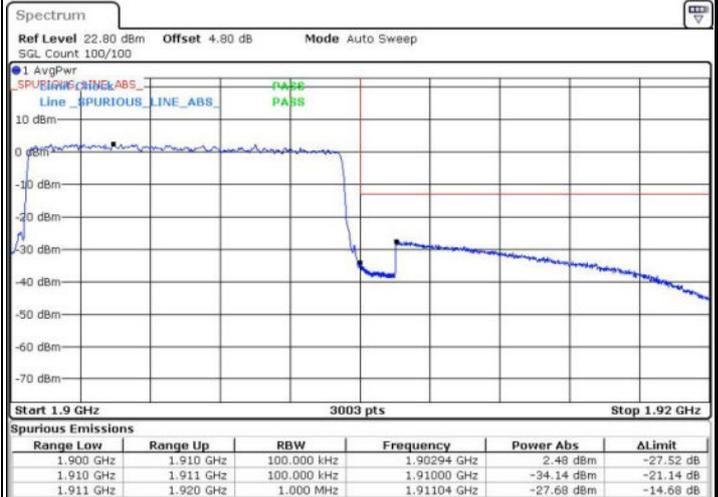
Date: 6 JUN 2016 23:16:20

Lowest Band Edge / Full RB



Date: 6 JUN 2016 23:08:58

Highest Band Edge / Full RB

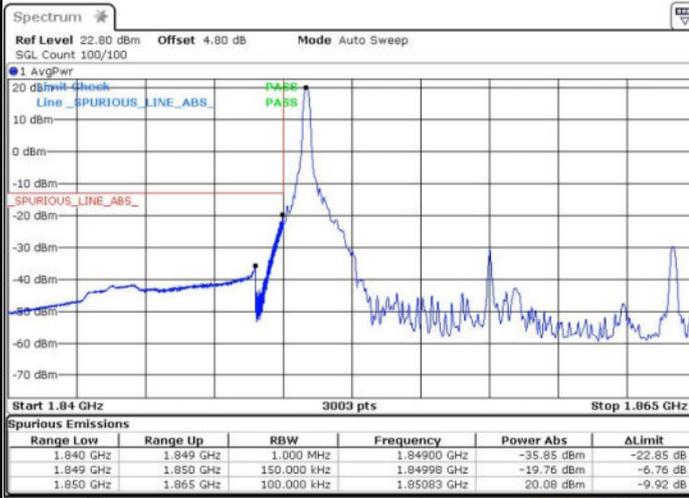


Date: 6 JUN 2016 23:16:36



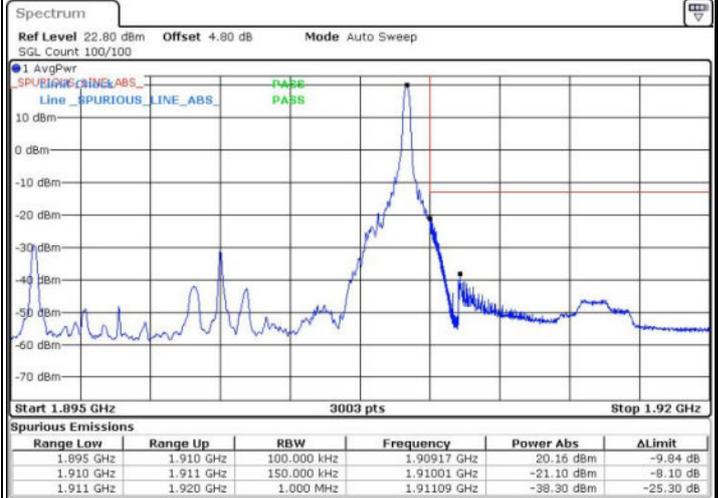
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



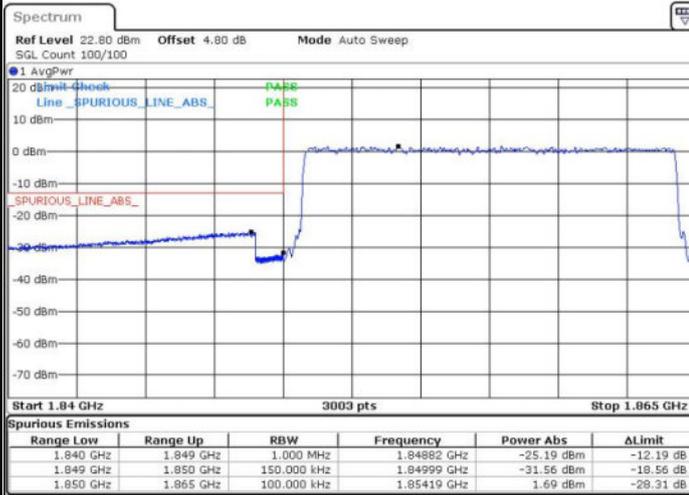
Date: 7 JUN 2016 00:12:34

Highest Band Edge / 1 RB



Date: 6 JUN 2016 23:31:54

Lowest Band Edge / Full RB



Date: 6 JUN 2016 23:24:32

Highest Band Edge / Full RB

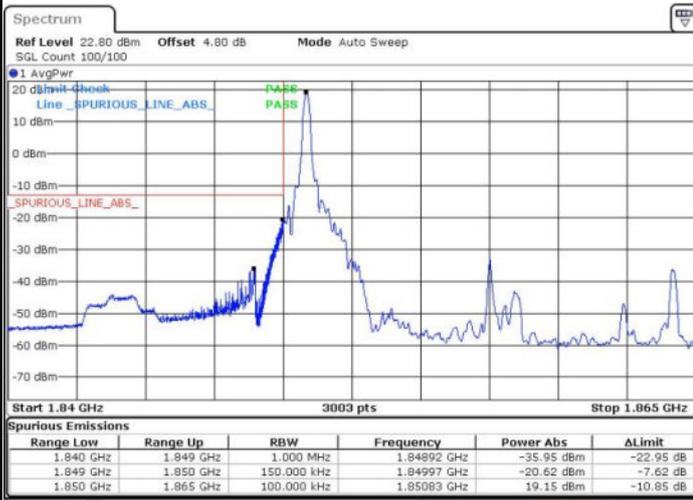


Date: 6 JUN 2016 23:34:10



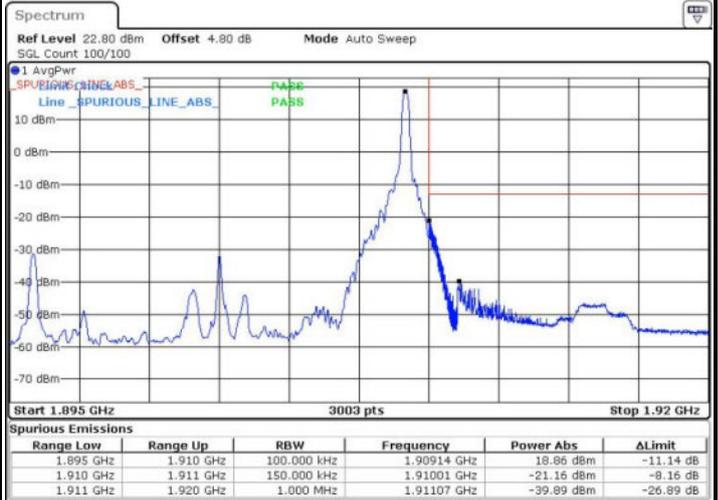
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



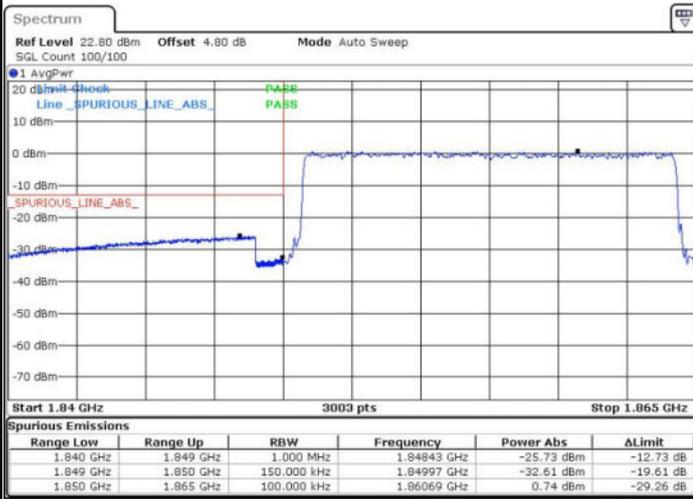
Date: 6 JUN 2016 23:23:24

Highest Band Edge / 1 RB



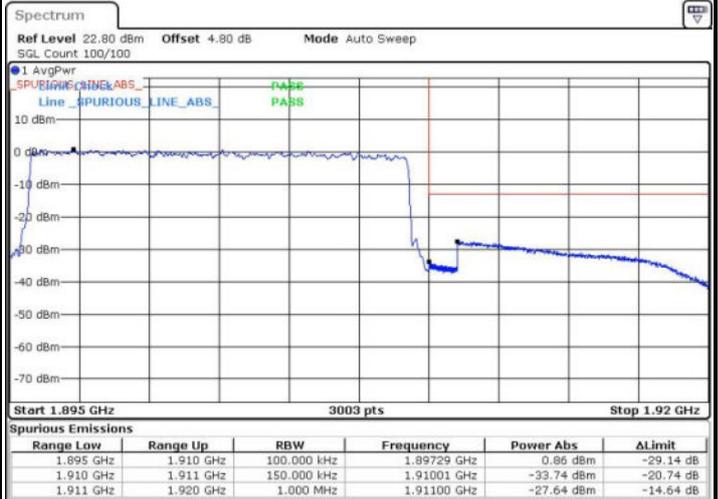
Date: 7 JUN 2016 00:13:42

Lowest Band Edge / Full RB



Date: 6 JUN 2016 23:25:40

Highest Band Edge / Full RB



Date: 6 JUN 2016 23:35:18



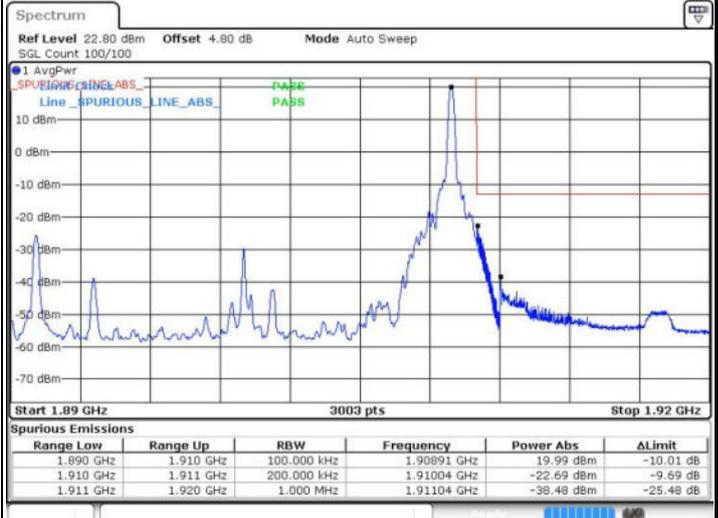
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



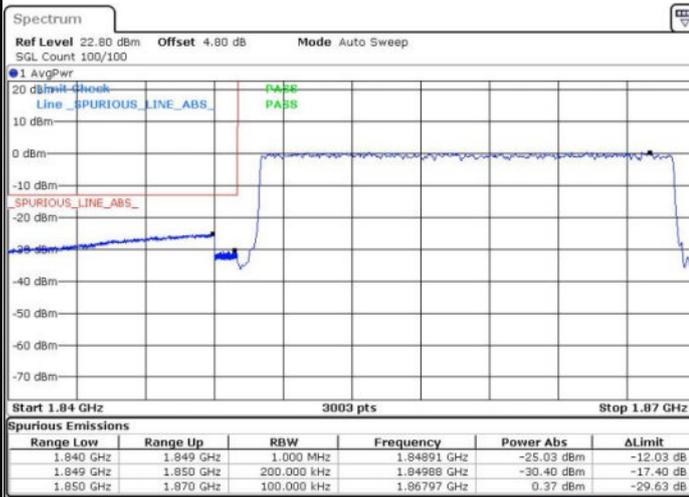
Date: 7 JUN 2016 00:15:11

Highest Band Edge / 1 RB



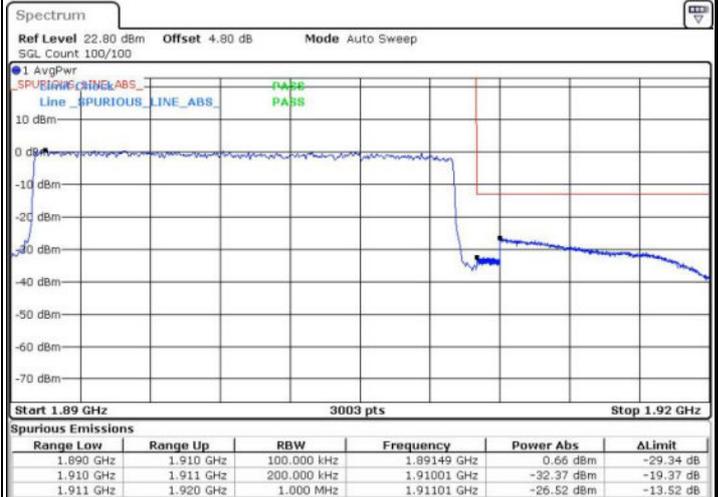
Date: 6 JUN 2016 23:48:37

Lowest Band Edge / Full RB



Date: 6 JUN 2016 23:41:15

Highest Band Edge / Full RB

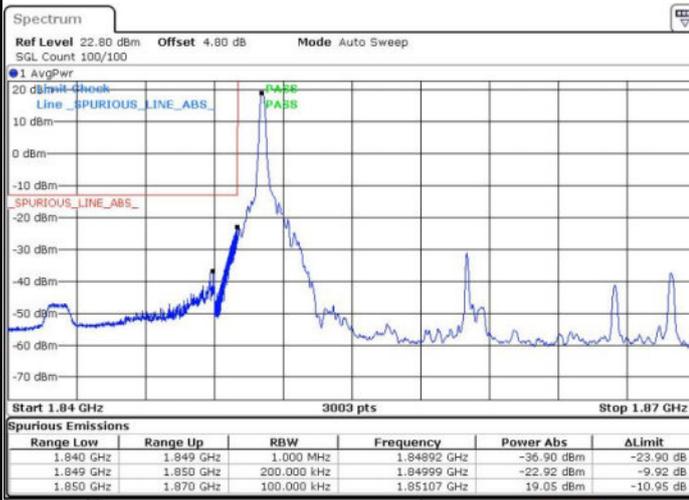


Date: 6 JUN 2016 23:50:53



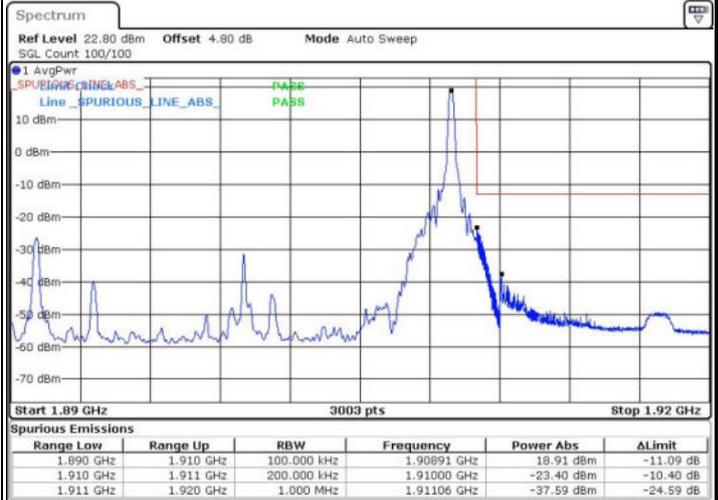
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



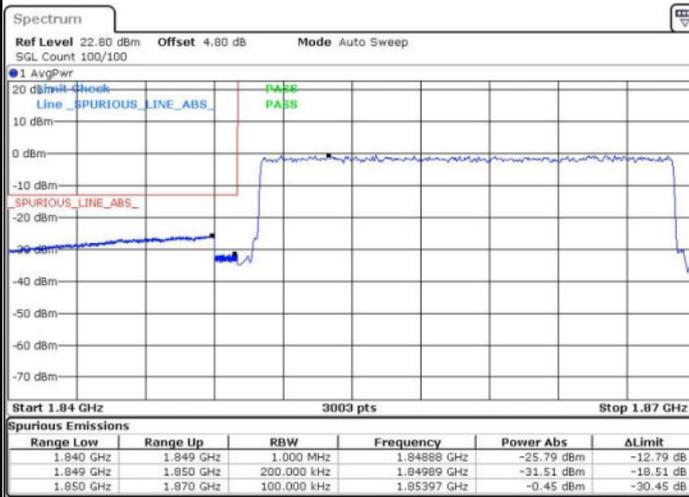
Date: 7 JUN 2016 00:14:41

Highest Band Edge / 1 RB



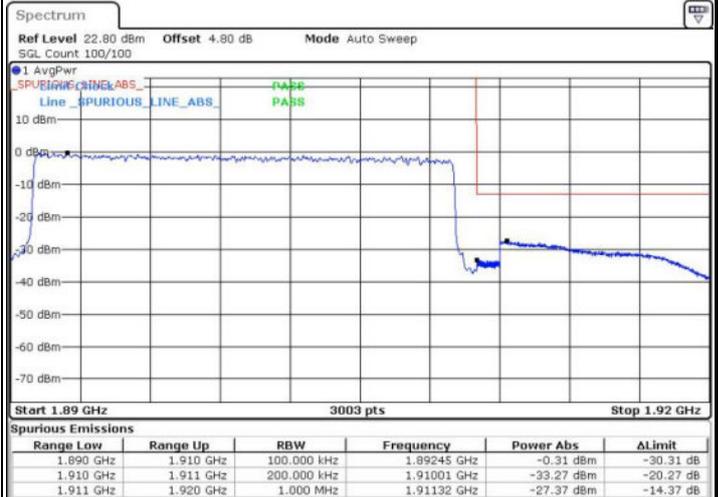
Date: 6 JUN 2016 23:49:45

Lowest Band Edge / Full RB



Date: 6 JUN 2016 23:42:23

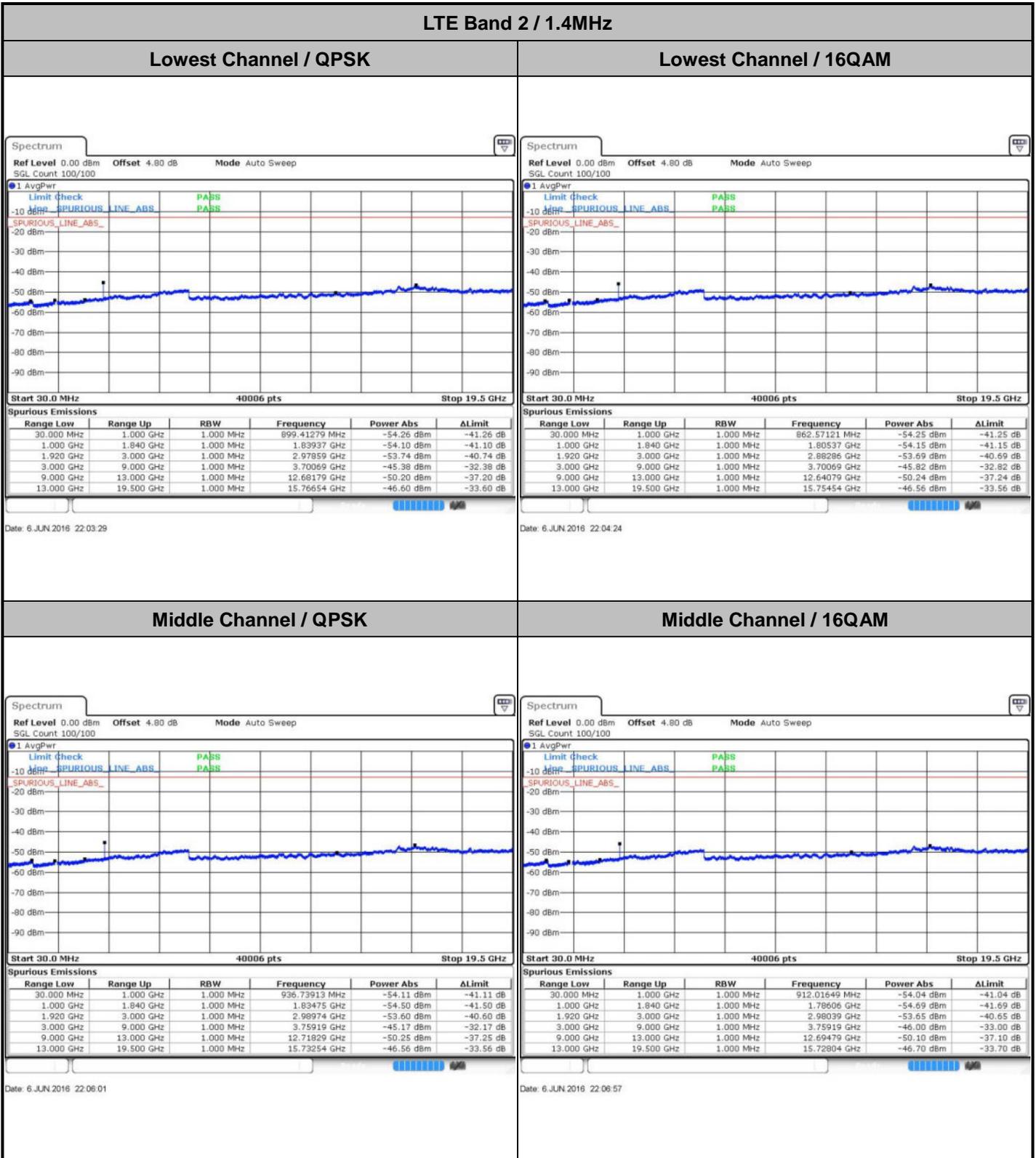
Highest Band Edge / Full RB



Date: 6 JUN 2016 23:52:01



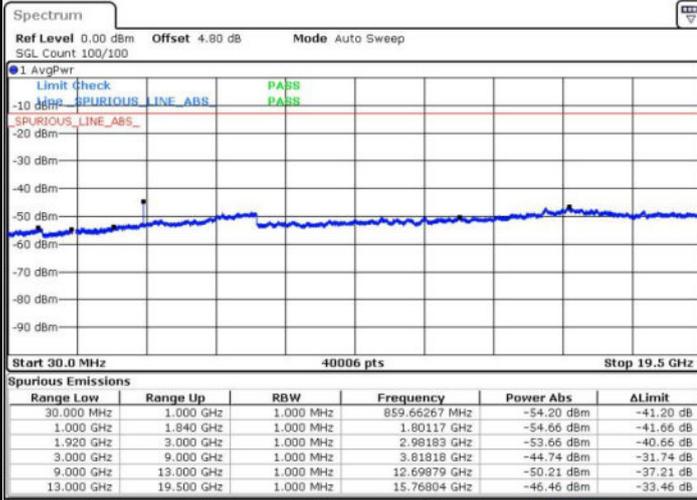
# Conducted Spurious Emission





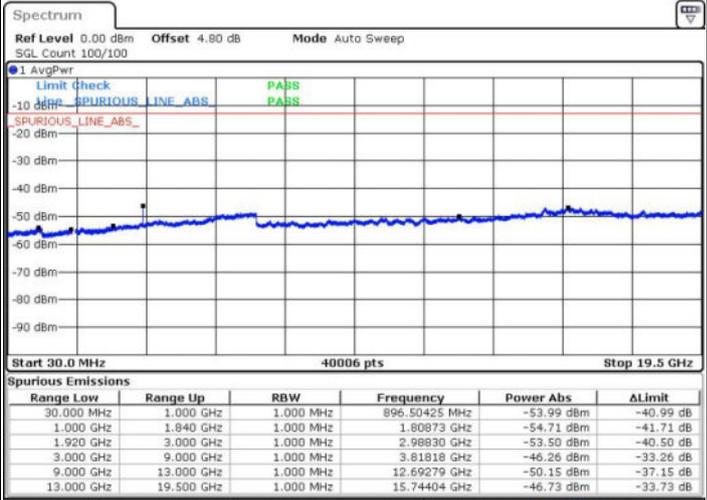
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 6 JUN 2016 22:13:06

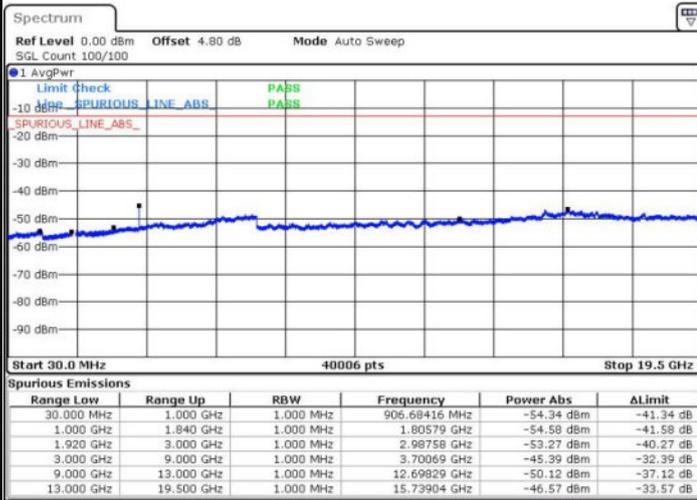
Highest Channel / 16QAM



Date: 6 JUN 2016 22:14:01

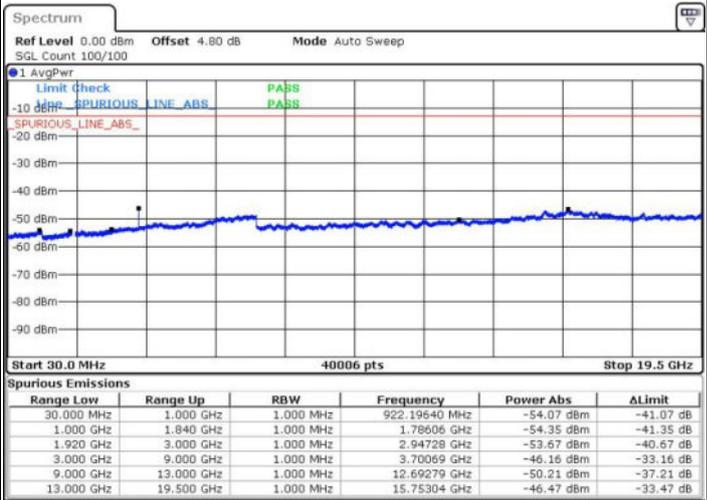
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 6 JUN 2016 22:20:11

Lowest Channel / 16QAM



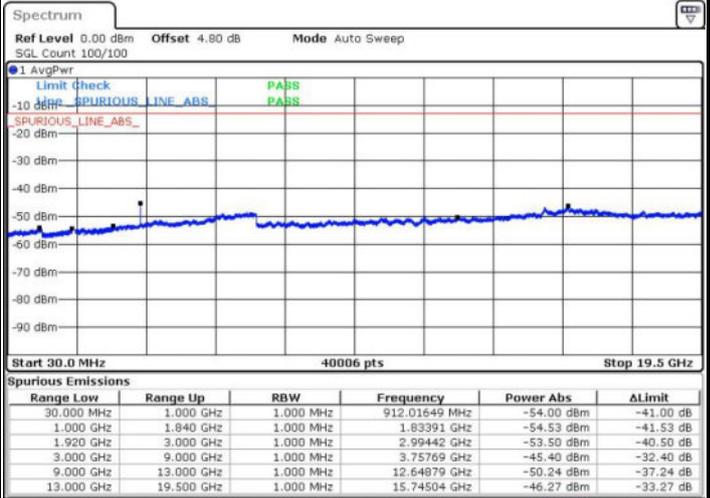
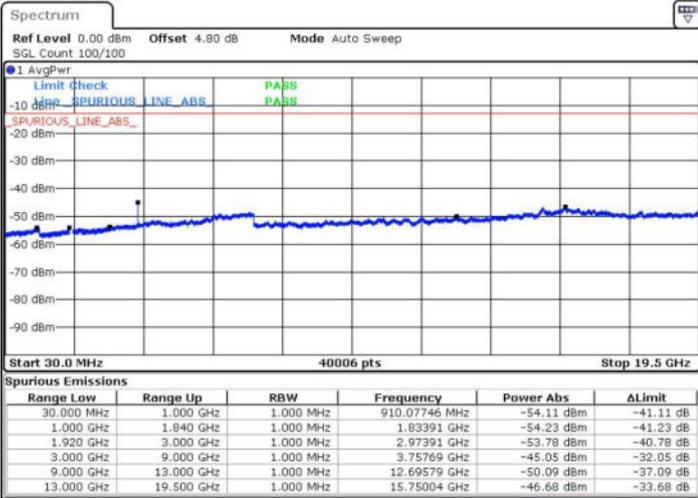
Date: 6 JUN 2016 22:21:06



LTE Band 2 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

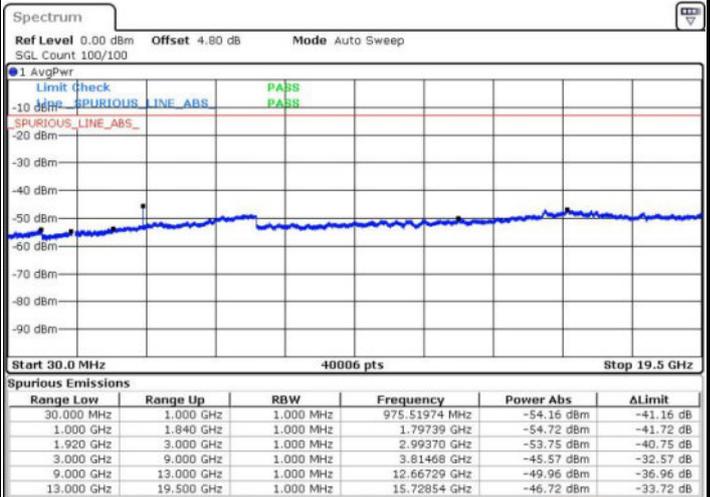
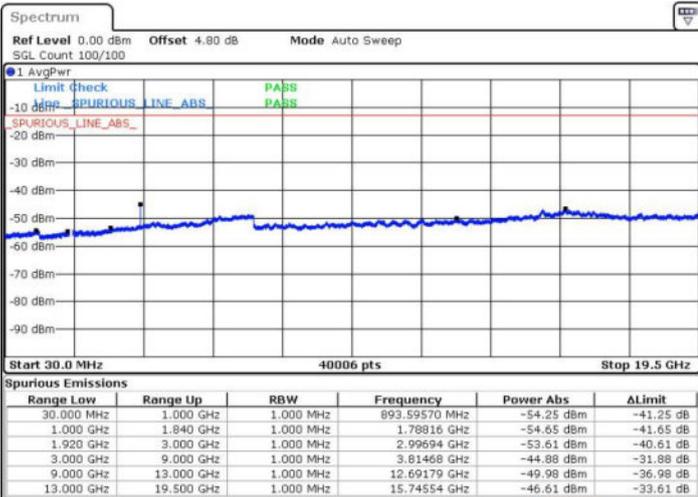


Date: 6 JUN 2016 22:38:59

Date: 6 JUN 2016 22:39:55

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 JUN 2016 22:46:04

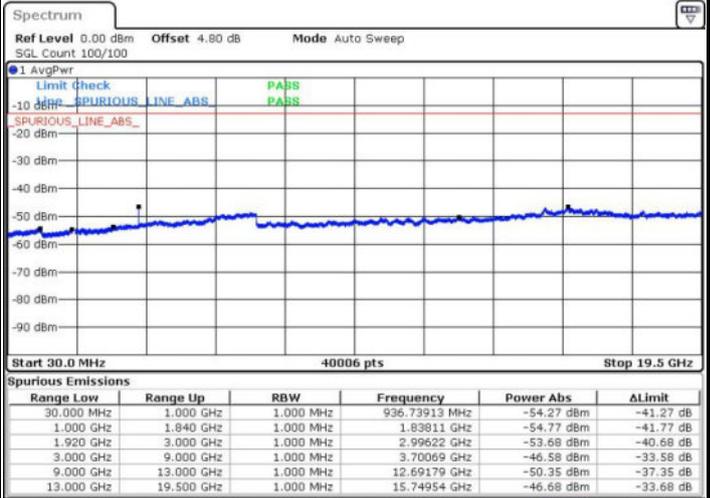
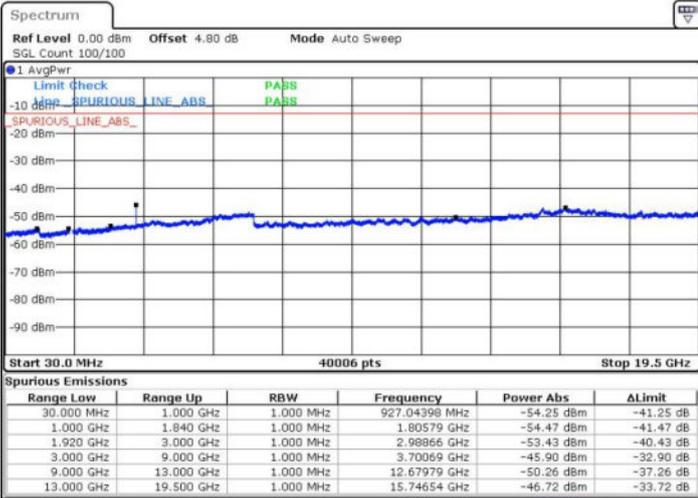
Date: 6 JUN 2016 22:46:59



LTE Band 2 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

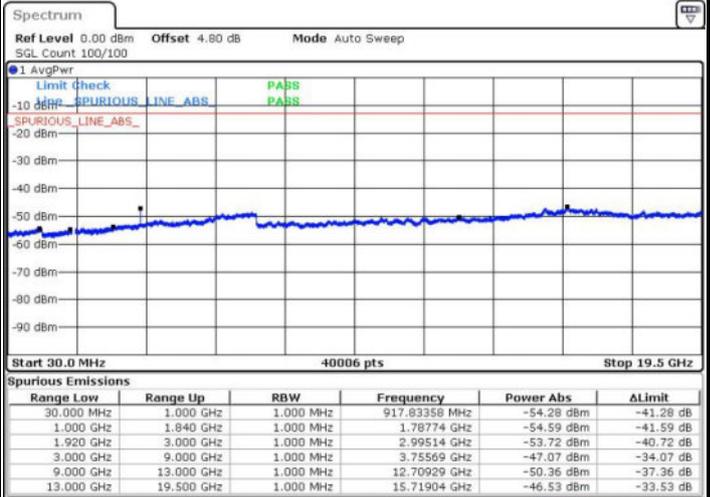
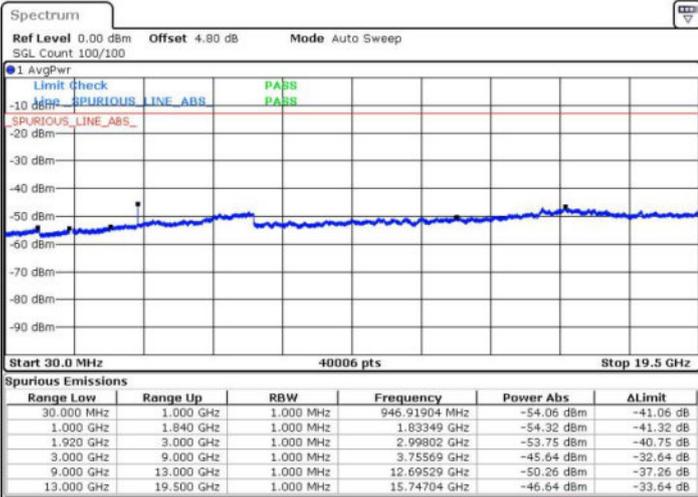


Date: 6 JUN 2016 22:53:09

Date: 6 JUN 2016 22:54:04

Middle Channel / QPSK

Middle Channel / 16QAM



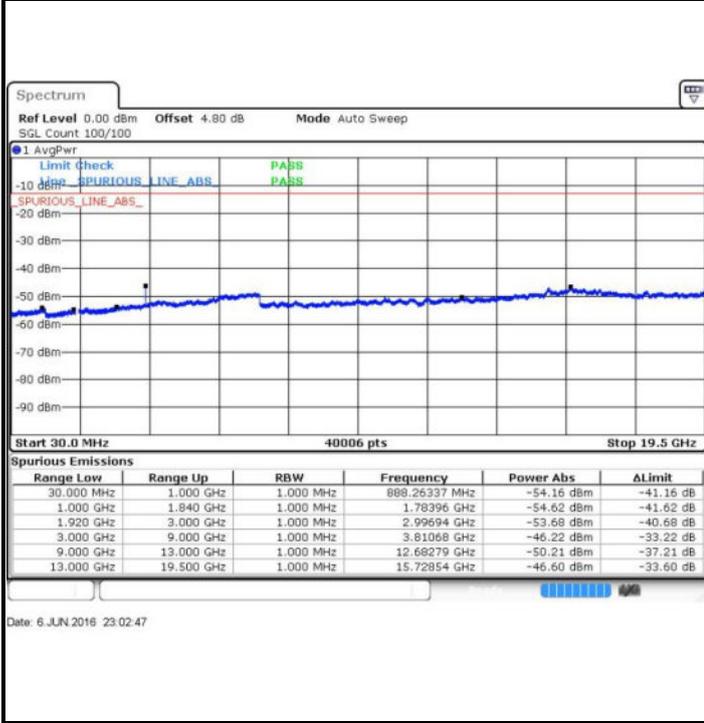
Date: 6 JUN 2016 22:55:42

Date: 6 JUN 2016 22:56:37

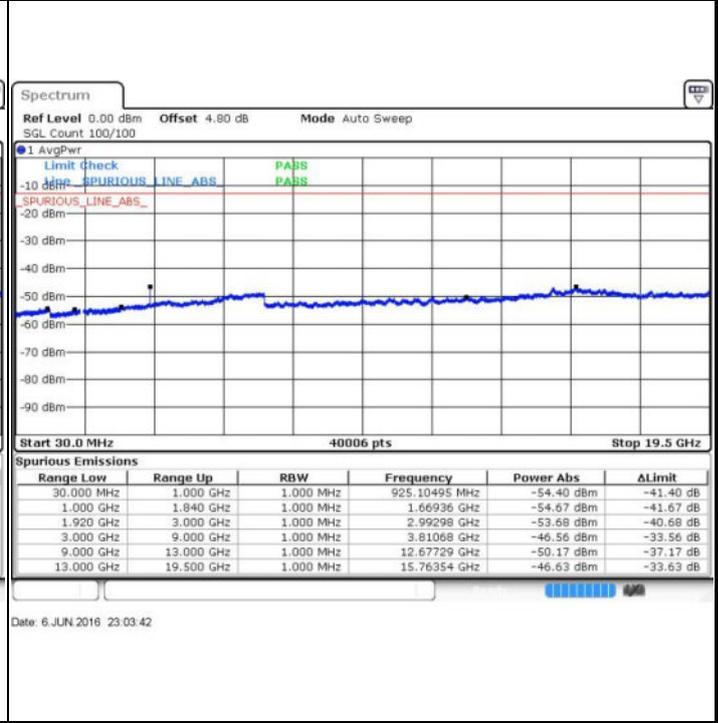


LTE Band 2 / 5MHz

Highest Channel / QPSK

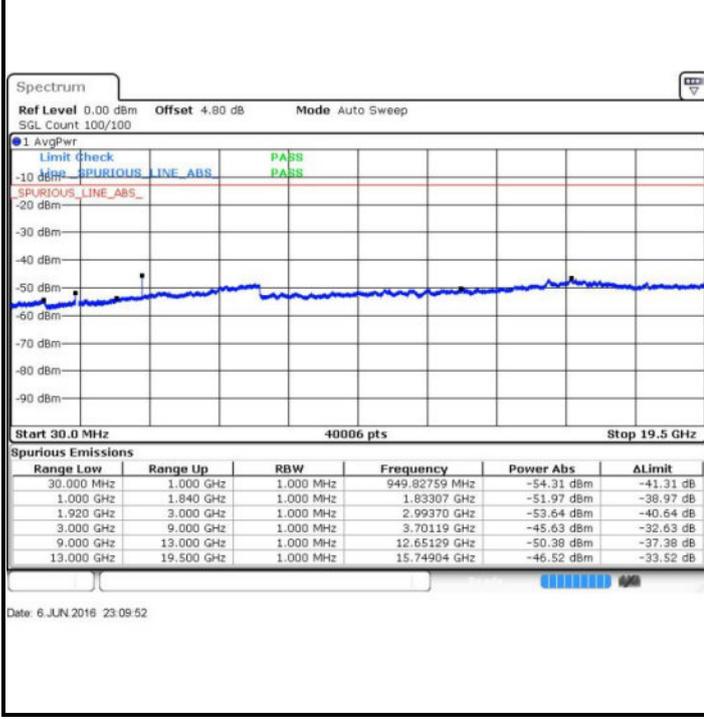


Highest Channel / 16QAM

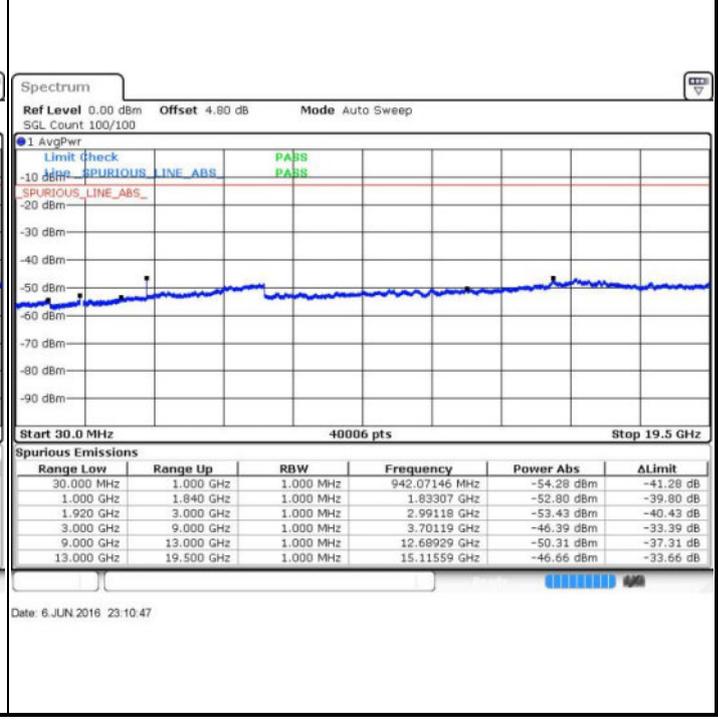


LTE Band 2 / 10MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

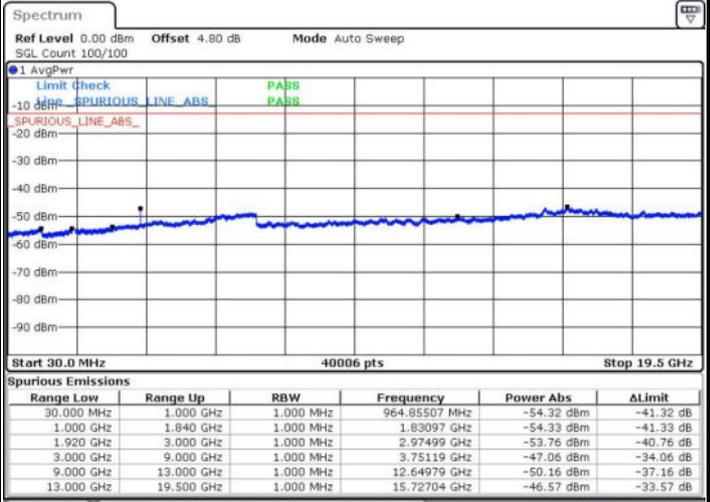
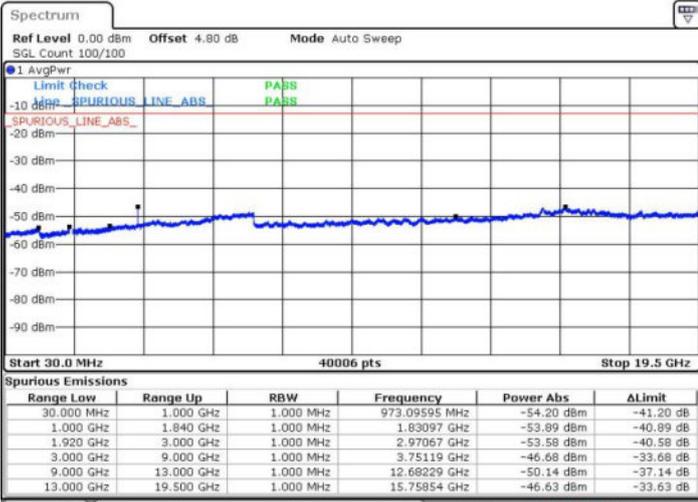




LTE Band 2 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

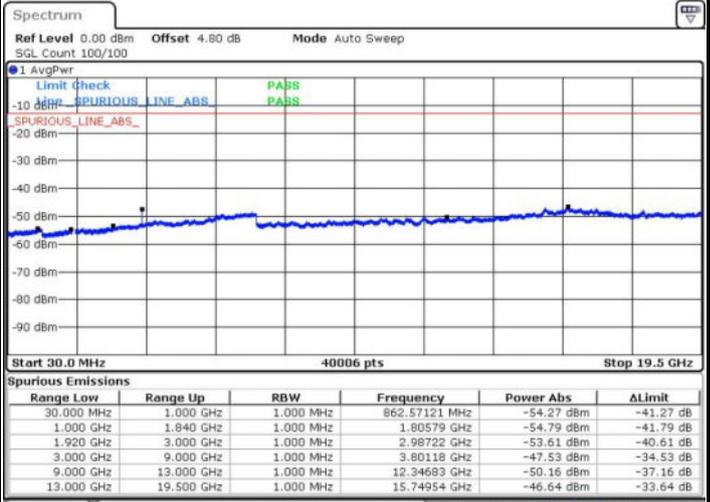
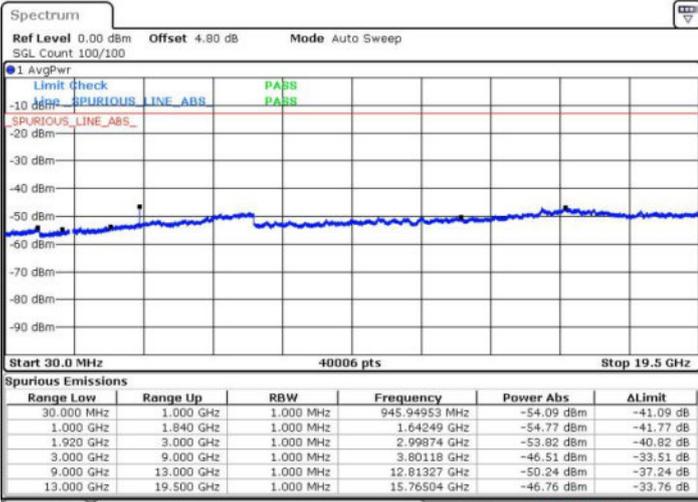


Date: 6 JUN 2016 23:12:25

Date: 6 JUN 2016 23:13:20

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 JUN 2016 23:19:30

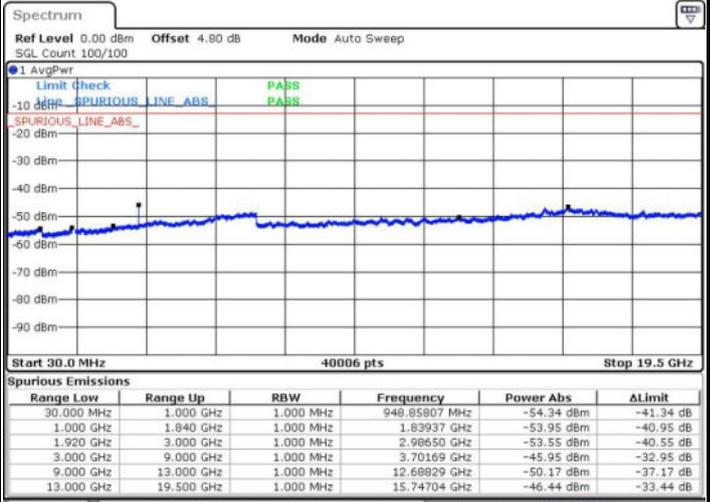
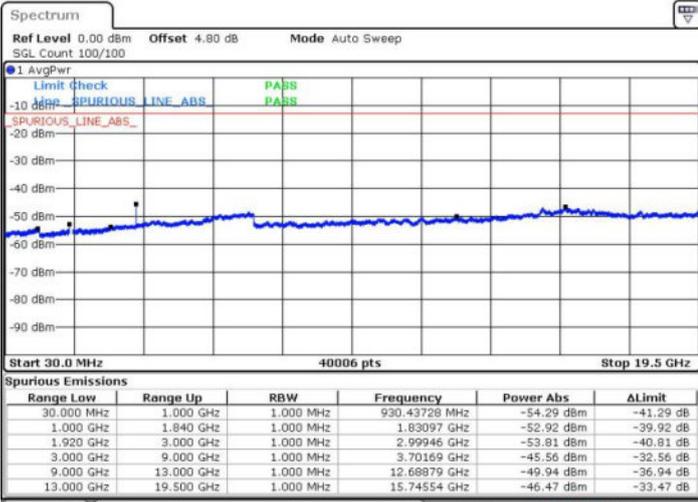
Date: 6 JUN 2016 23:20:25



LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

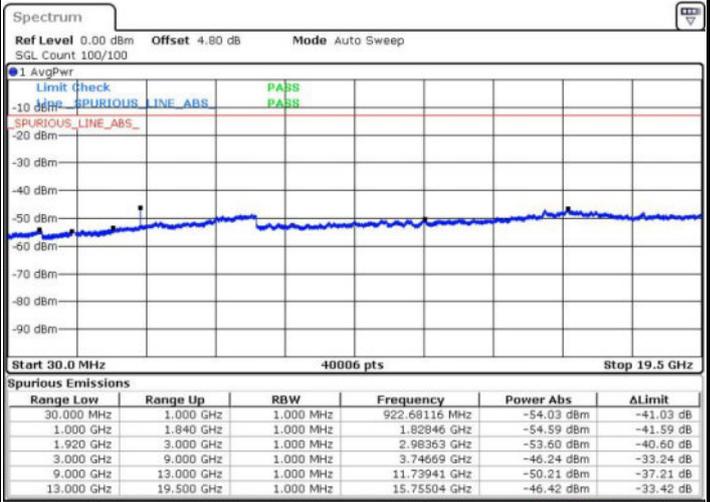
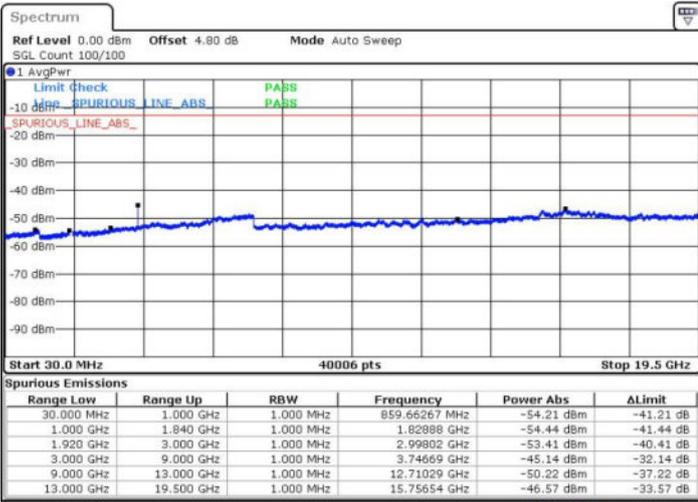


Date: 6 JUN 2016 23:26:34

Date: 6 JUN 2016 23:27:30

Middle Channel / QPSK

Middle Channel / 16QAM



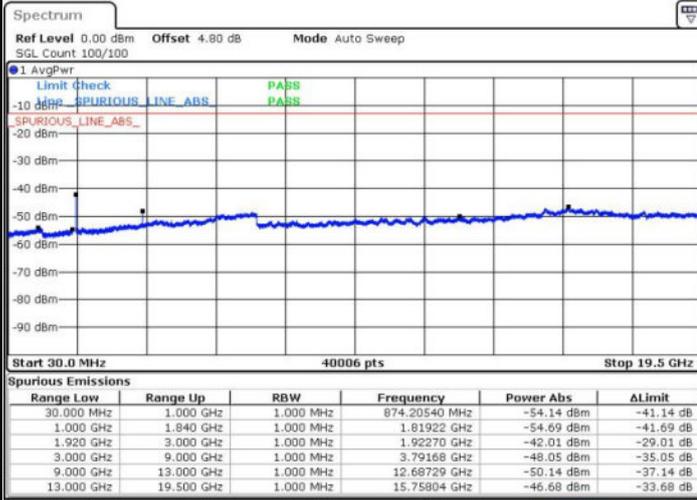
Date: 6 JUN 2016 23:29:07

Date: 6 JUN 2016 23:30:03



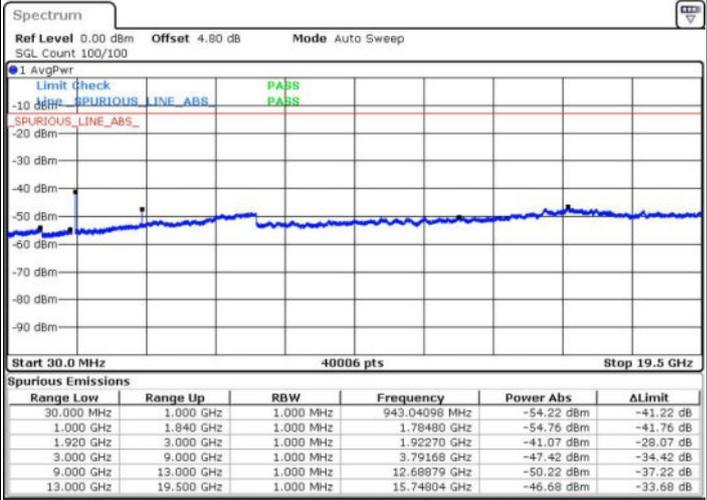
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 6 JUN 2016 23:36:12

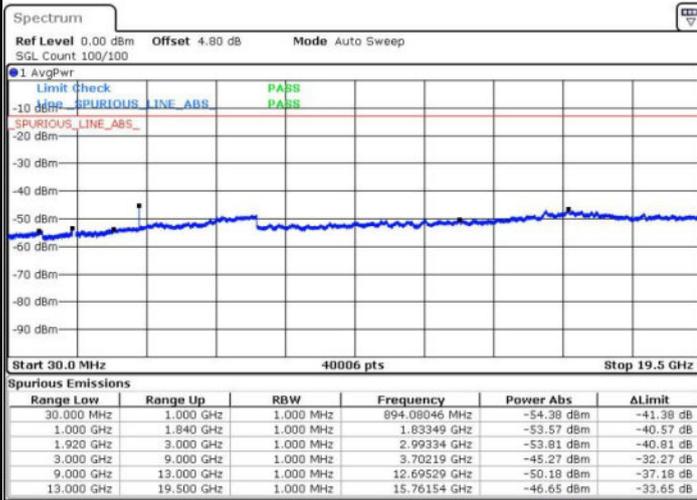
Highest Channel / 16QAM



Date: 6 JUN 2016 23:37:07

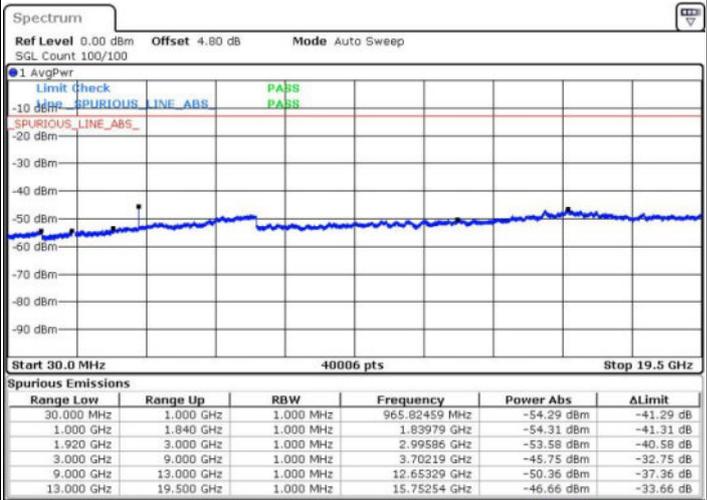
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 6 JUN 2016 23:43:17

Lowest Channel / 16QAM



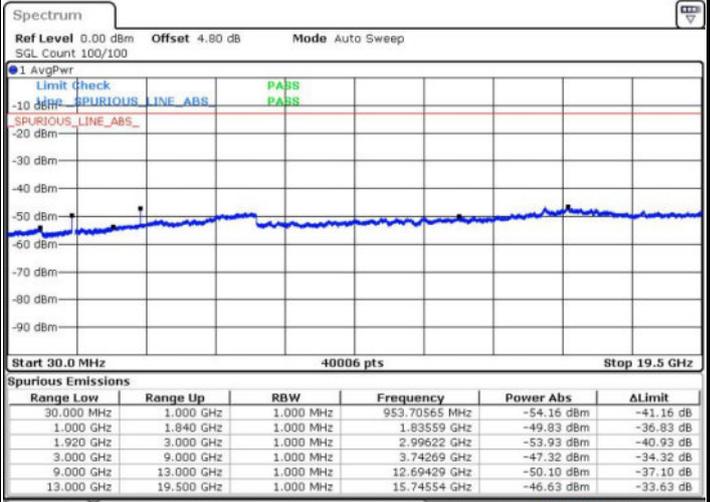
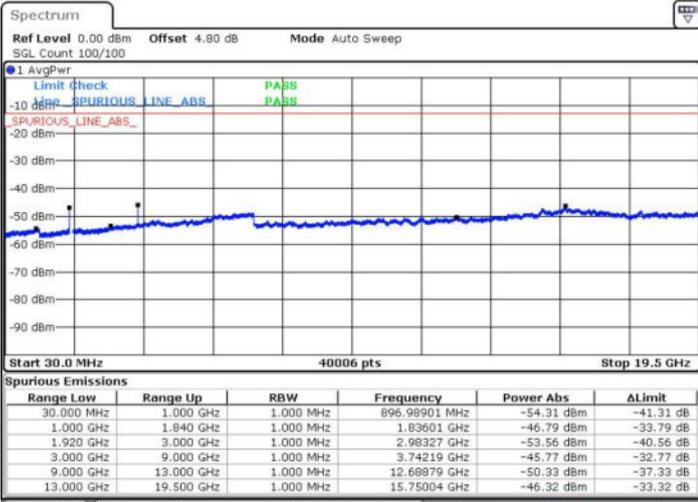
Date: 6 JUN 2016 23:44:12



LTE Band 2 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

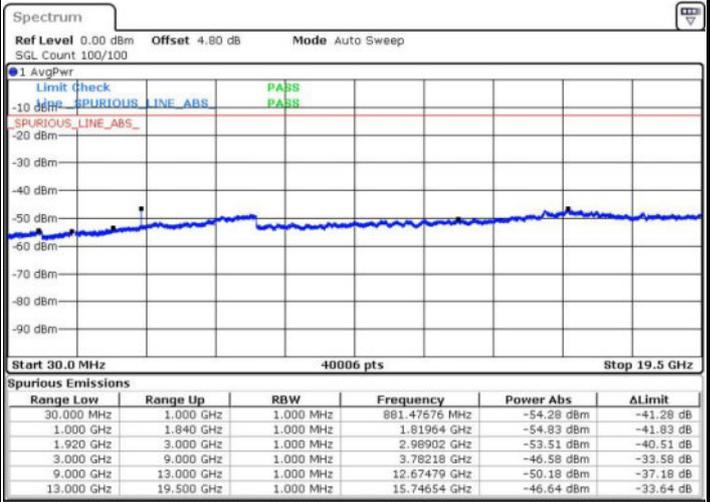
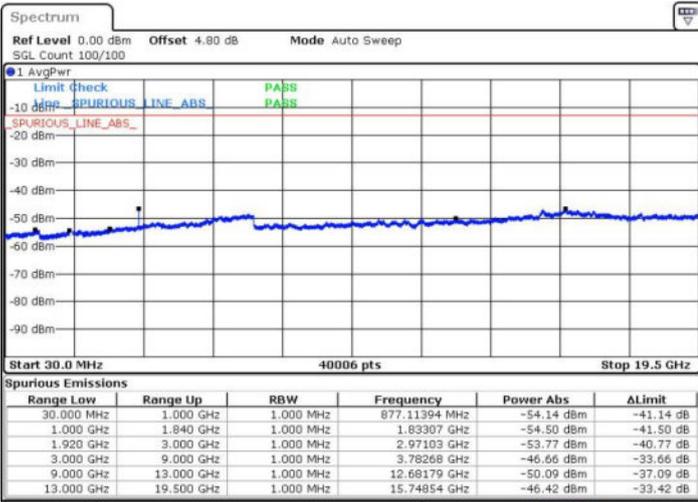


Date: 6 JUN 2016 23:45:50

Date: 6 JUN 2016 23:46:45

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 JUN 2016 23:52:55

Date: 6 JUN 2016 23:53:50



**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	0.0056	PASS
40	Normal Voltage	0.0048	
30	Normal Voltage	0.0042	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0041	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0049	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0035	
20	Battery End Point	0.0038	

**Note:**

1. Normal Voltage = 3.8V. ; Battery End Point (BEP) = 3.7 V. ; Maximum Voltage =4.2V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



## LTE Band 4

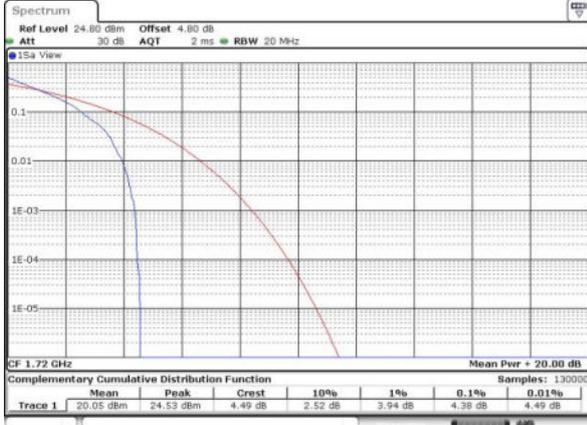
### Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.38	4.90	5.30	5.74	<b>PASS</b>
Middle CH	3.91	5.07	4.81	6.03	
Highest CH	4.38	5.19	5.62	6.17	



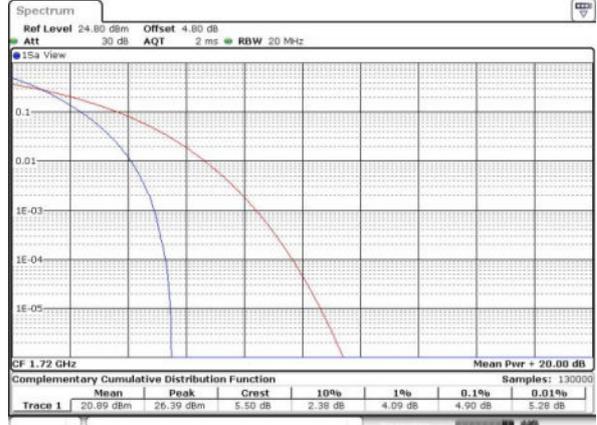
LTE Band 4 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 7 JUN 2016 02:41:19

Lowest Channel / Full RB



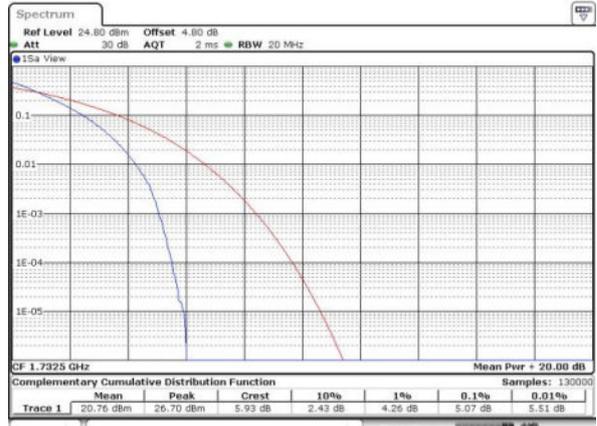
Date: 7 JUN 2016 02:41:36

Middle Channel / 1RB



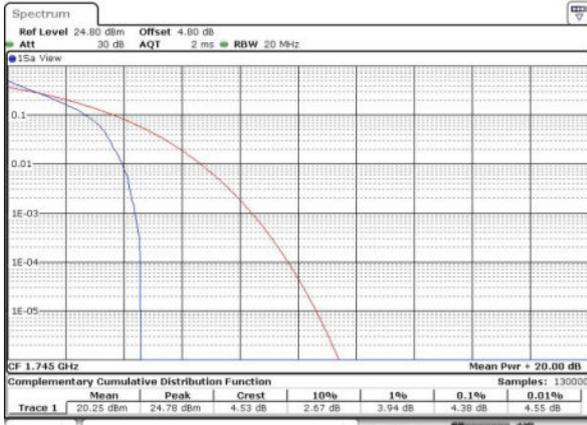
Date: 7 JUN 2016 02:42:27

Middle Channel / Full RB



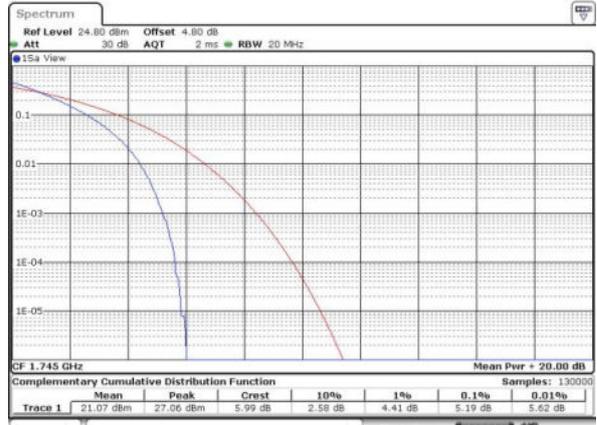
Date: 7 JUN 2016 02:41:50

Highest Channel / 1RB



Date: 7 JUN 2016 02:42:43

Highest Channel / Full RB



Date: 7 JUN 2016 02:43:39



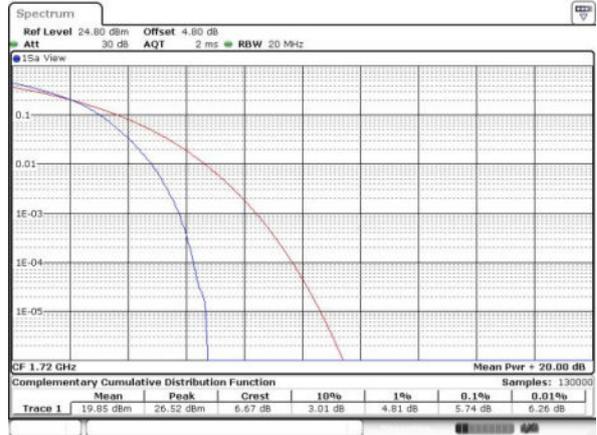
LTE Band 4 / 20MHz / 16QAM

Lowest Channel / 1RB



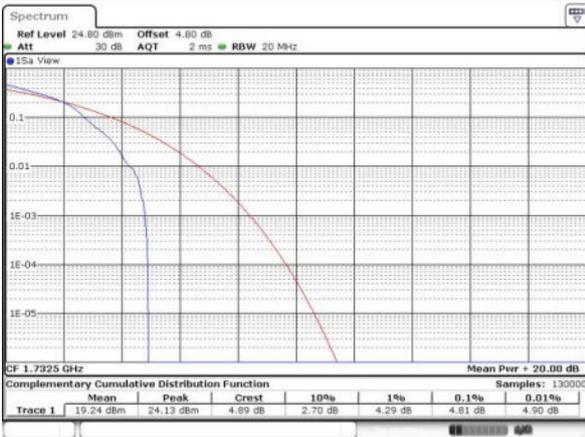
Date: 7 JUN 2016 02:20:46

Lowest Channel / Full RB



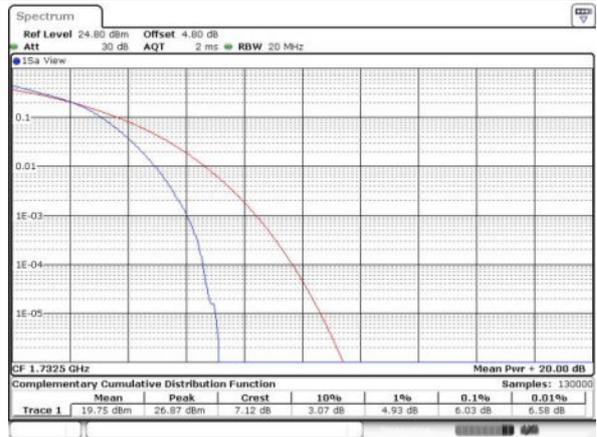
Date: 7 JUN 2016 02:20:56

Middle Channel / 1RB



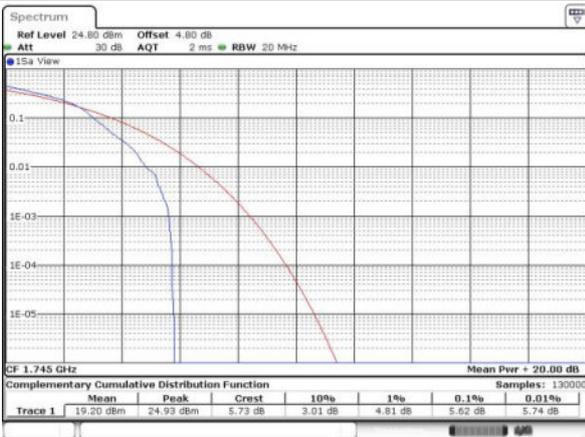
Date: 7 JUN 2016 02:21:07

Middle Channel / Full RB



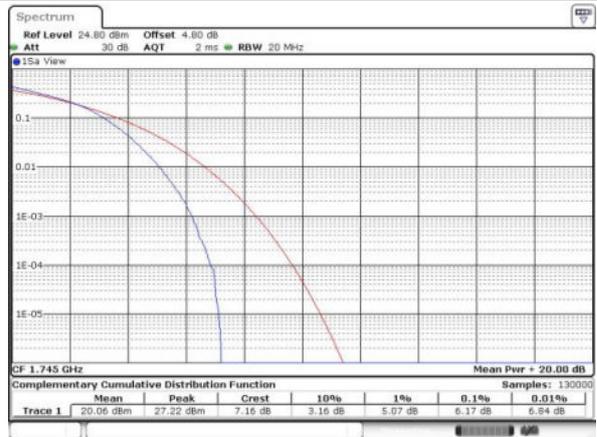
Date: 7 JUN 2016 02:21:17

Highest Channel / 1RB



Date: 7 JUN 2016 02:21:27

Highest Channel / Full RB



Date: 7 JUN 2016 02:21:37



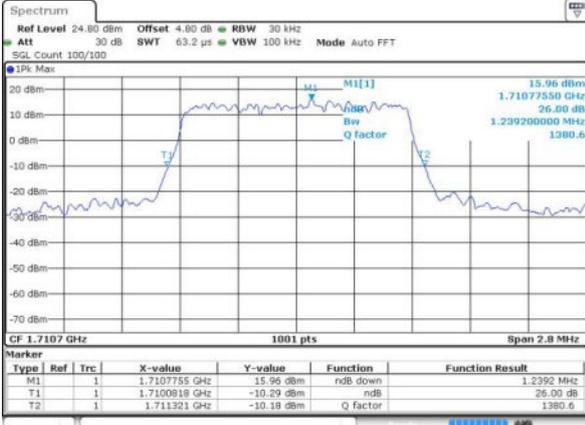
**26dB Bandwidth**

Mode	LTE Band 4 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.239	1.262	2.979	2.985	4.985	4.935	9.690	9.830	14.176	14.176	20.180	20.140
Middle CH	1.239	1.256	2.973	2.985	4.935	4.875	9.930	9.730	14.505	14.326	20.180	20.300
Highest CH	1.262	1.276	3.003	2.997	4.895	4.885	9.810	9.990	14.266	14.625	20.180	20.220



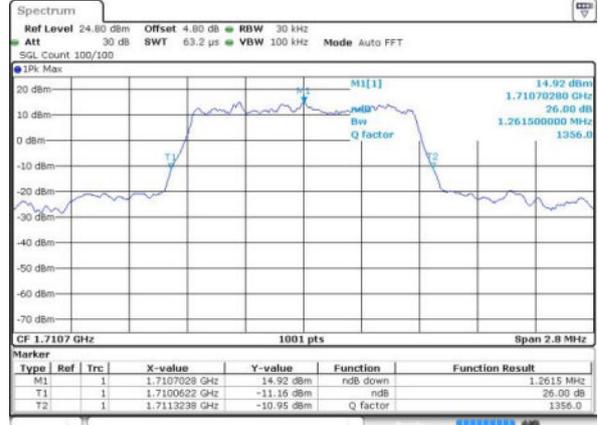
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



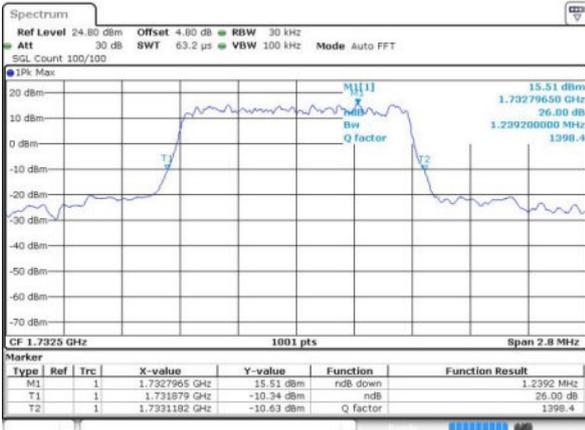
Date: 7 JUN 2016 00:24:15

Lowest Channel / 1.4MHz / 16QAM



Date: 7 JUN 2016 00:24:26

Middle Channel / 1.4MHz / QPSK



Date: 7 JUN 2016 00:31:20

Middle Channel / 1.4MHz / 16QAM



Date: 7 JUN 2016 00:31:31

Highest Channel / 1.4MHz / QPSK



Date: 7 JUN 2016 00:33:53

Highest Channel / 1.4MHz / 16QAM

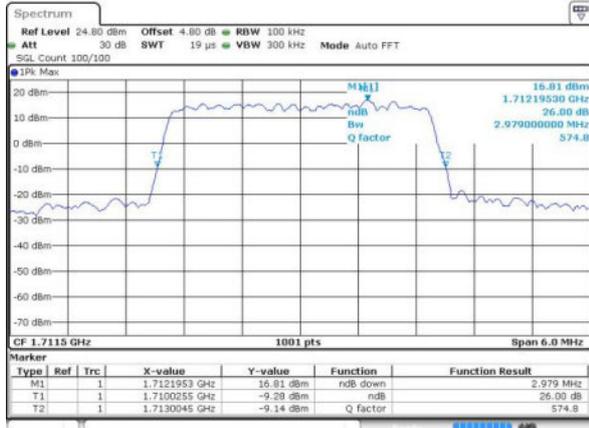


Date: 7 JUN 2016 00:34:04



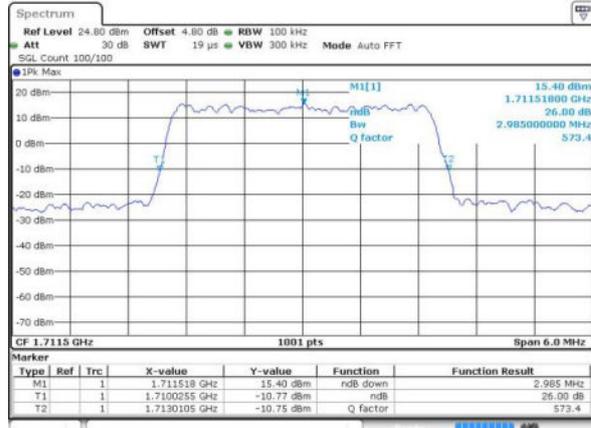
LTE Band 4

Lowest Channel / 3MHz / QPSK



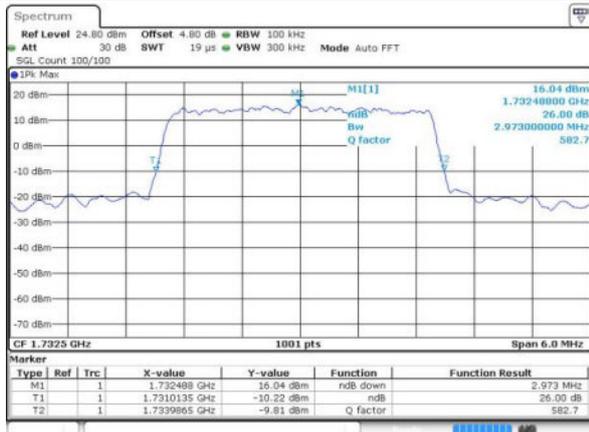
Date: 7 JUN 2016 00:40:58

Lowest Channel / 3MHz / 16QAM



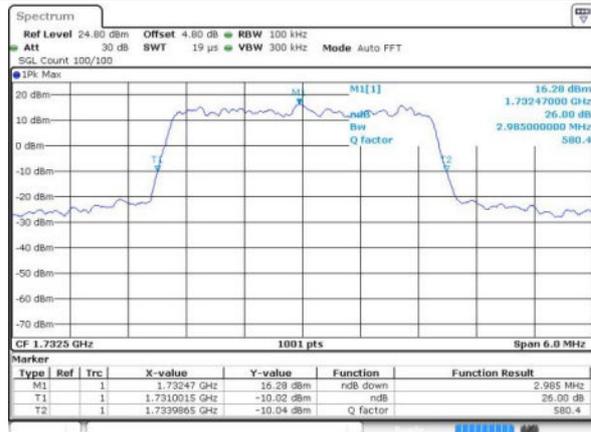
Date: 7 JUN 2016 00:41:08

Middle Channel / 3MHz / QPSK



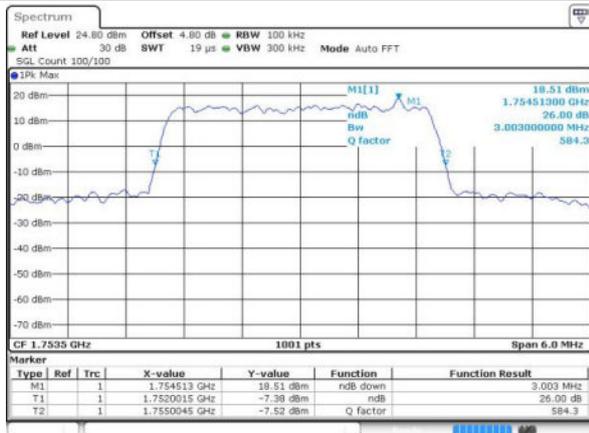
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Middle Channel / 3MHz / 16QAM



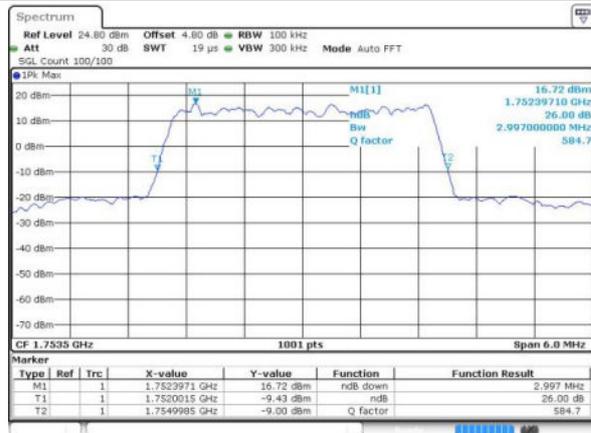
Date: 7 JUN 2016 00:48:13

Highest Channel / 3MHz / QPSK



Date: 7 JUN 2016 00:50:35

Highest Channel / 3MHz / 16QAM

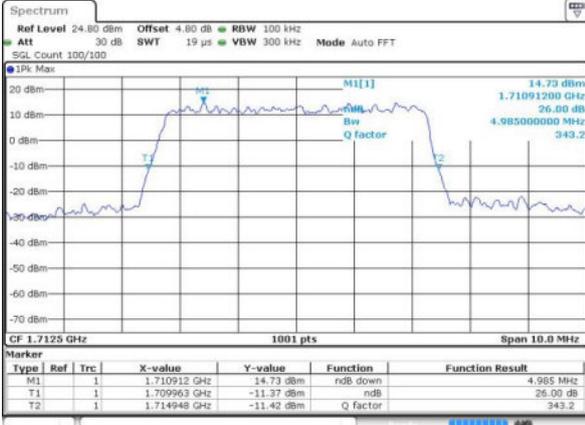


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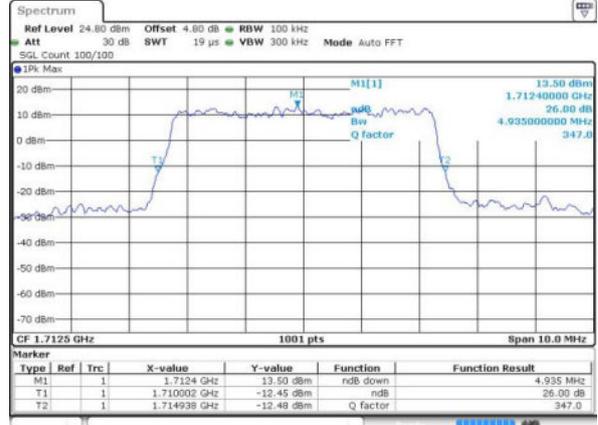
LTE Band 4

Lowest Channel / 5MHz / QPSK



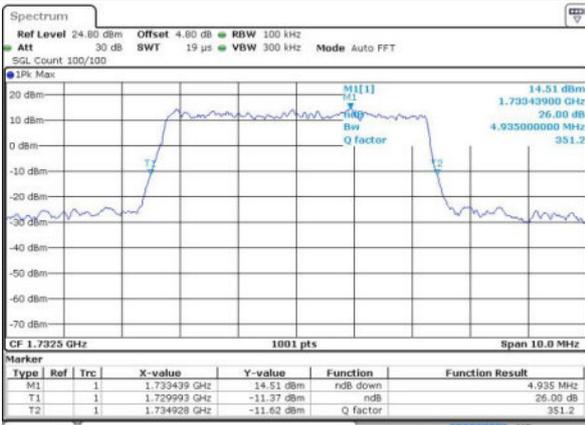
Date: 7 JUN 2016 00:57:40

Lowest Channel / 5MHz / 16QAM



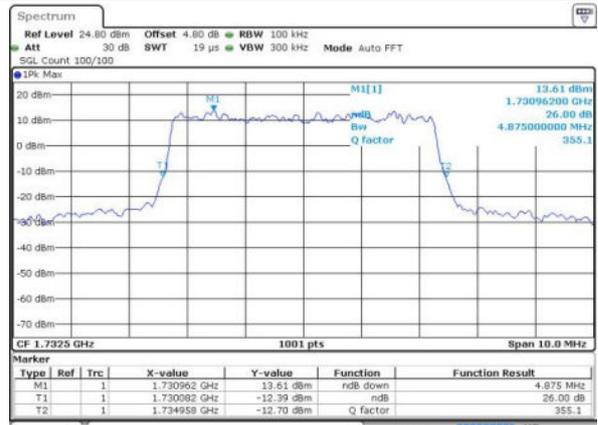
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Middle Channel / 5MHz / QPSK



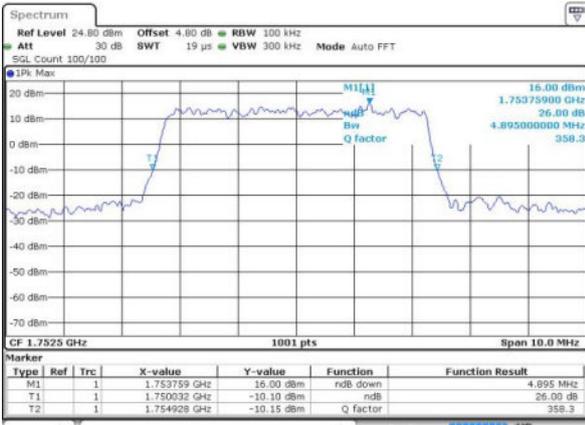
Date: 7 JUN 2016 01:04:45

Middle Channel / 5MHz / 16QAM



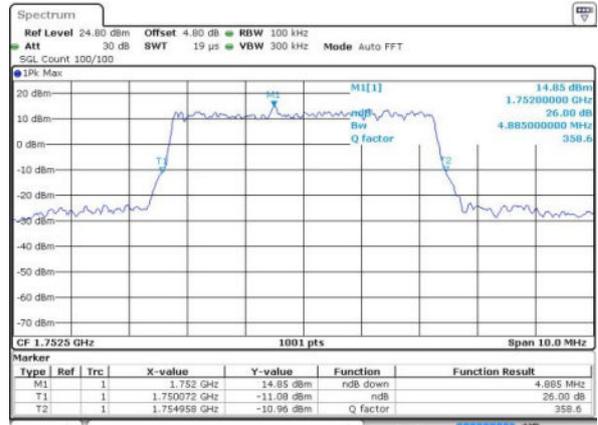
Date: 7 JUN 2016 01:04:55

Highest Channel / 5MHz / QPSK



Date: 7 JUN 2016 01:07:18

Highest Channel / 5MHz / 16QAM

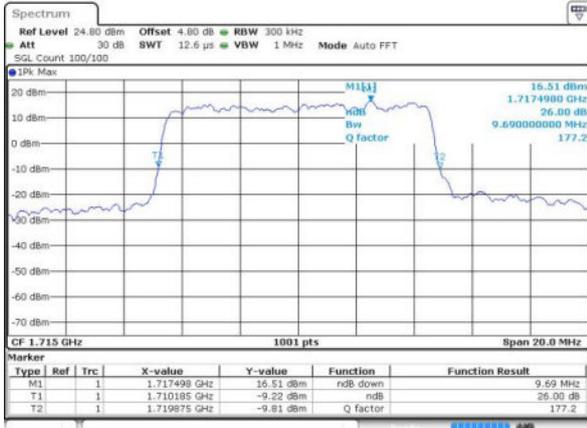


Date: 7 JUN 2016 01:07:28



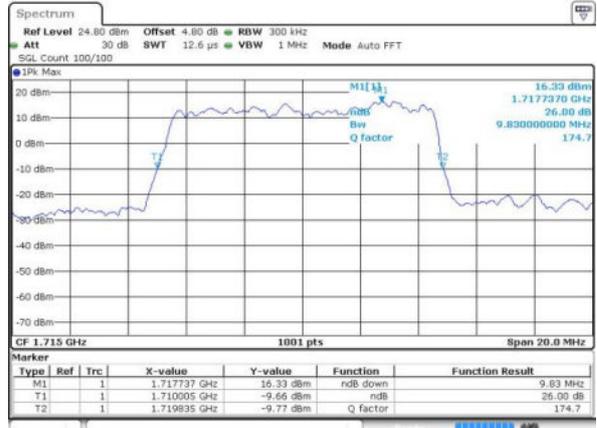
LTE Band 4

Lowest Channel / 10MHz / QPSK



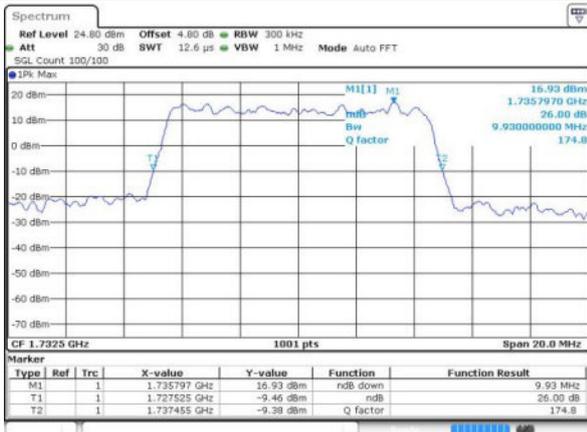
Date: 7 JUN 2016 01:14:23

Lowest Channel / 10MHz / 16QAM



Date: 7 JUN 2016 01:14:33

Middle Channel / 10MHz / QPSK



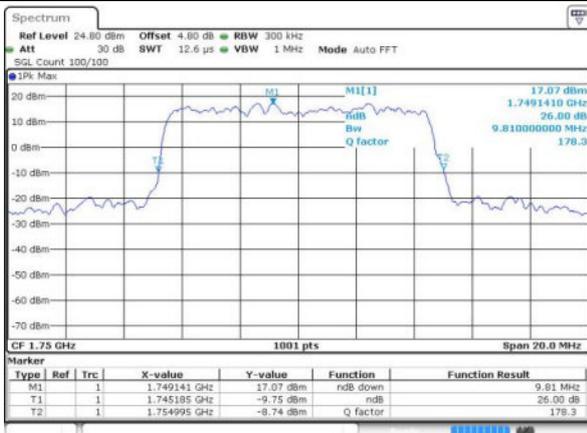
Date: 7 JUN 2016 01:21:27

Middle Channel / 10MHz / 16QAM



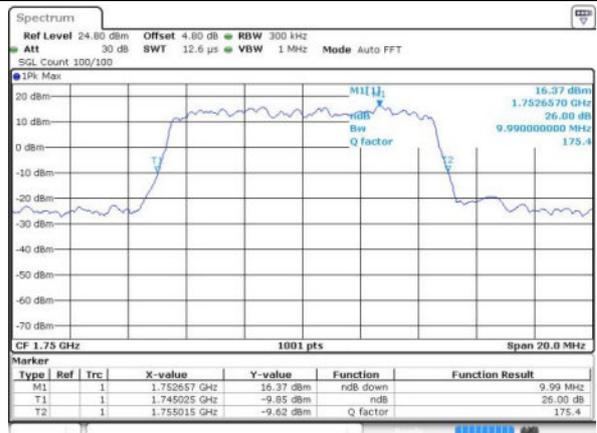
Date: 7 JUN 2016 01:21:38

Highest Channel / 10MHz / QPSK



Date: 7 JUN 2016 01:24:00

Highest Channel / 10MHz / 16QAM



Date: 7 JUN 2016 01:24:11