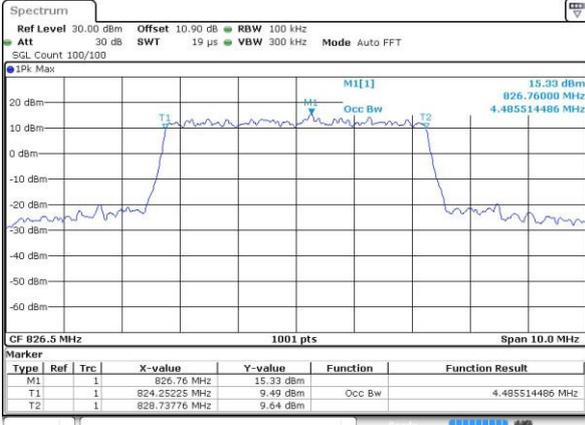




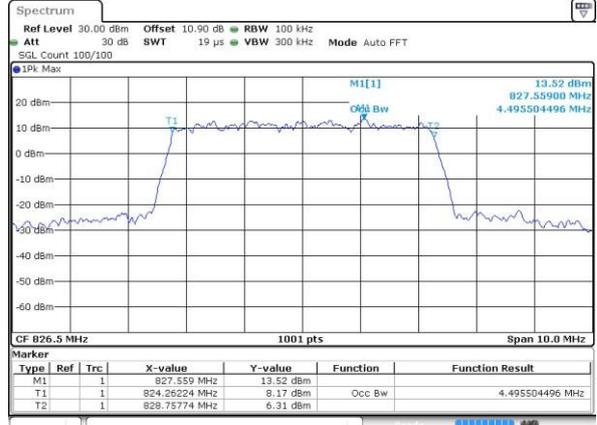
LTE Band 5

Lowest Channel / 5MHz / QPSK



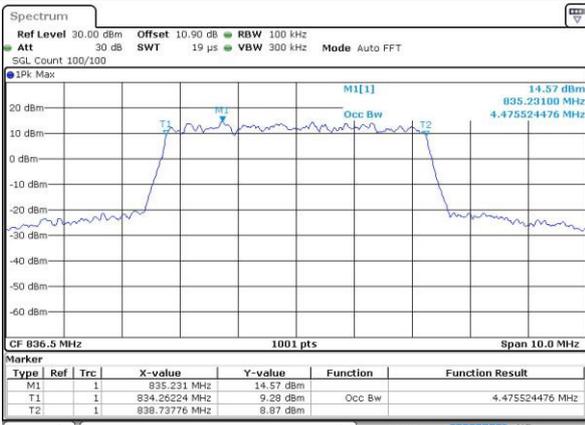
Date: 26 MAR 2016 08:56:19

Lowest Channel / 5MHz / 16QAM



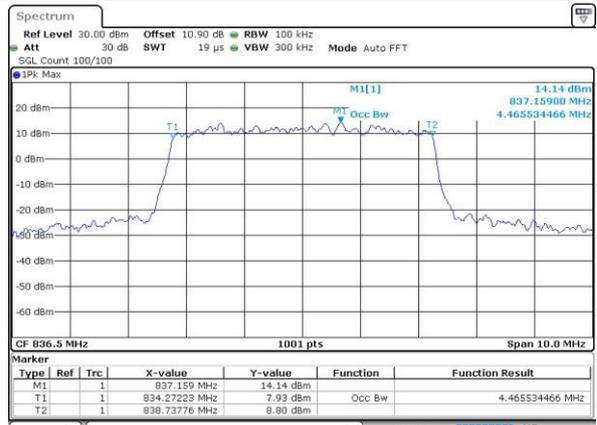
Date: 26 MAR 2016 08:56:29

Middle Channel / 5MHz / QPSK



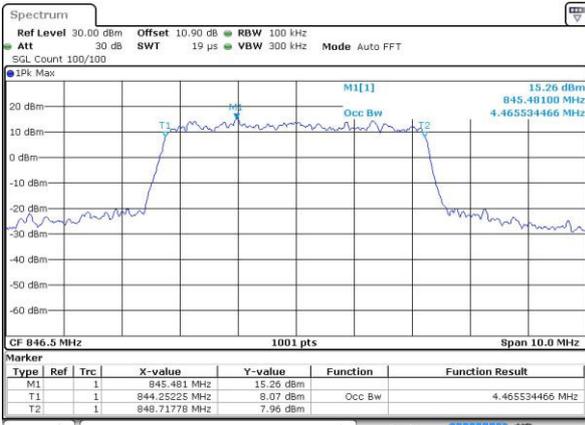
Date: 26 MAR 2016 09:06:58

Middle Channel / 5MHz / 16QAM



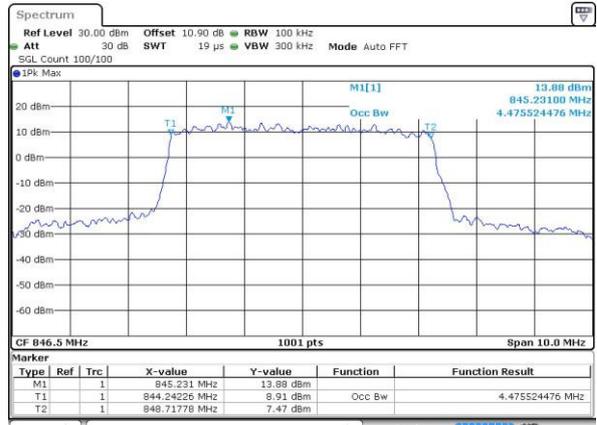
Date: 26 MAR 2016 09:07:09

Highest Channel / 5MHz / QPSK



Date: 26 MAR 2016 09:09:29

Highest Channel / 5MHz / 16QAM

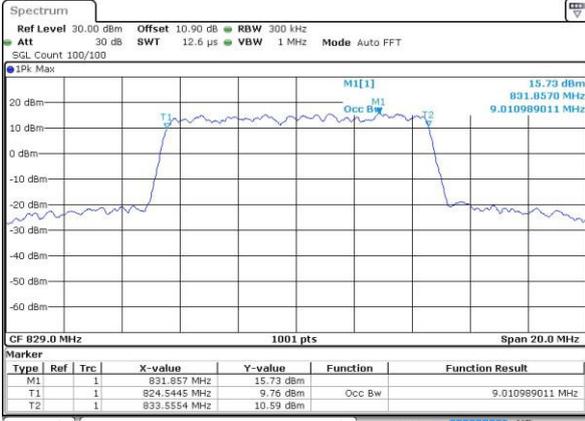


Date: 26 MAR 2016 09:09:40



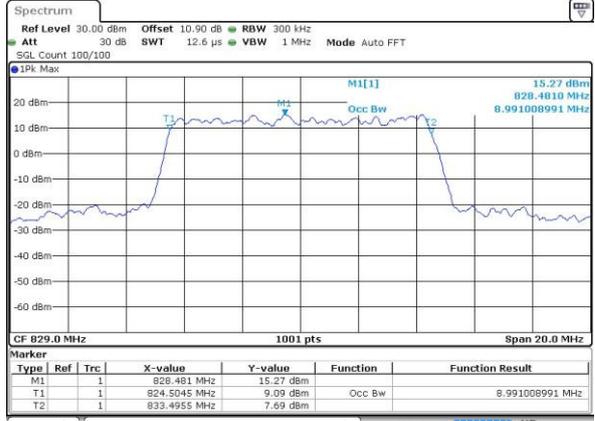
LTE Band 5

Lowest Channel / 10MHz / QPSK



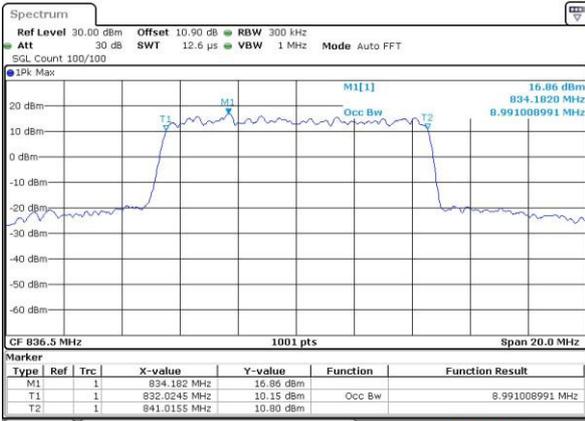
Date: 26 MAR 2016 09:20:09

Lowest Channel / 10MHz / 16QAM



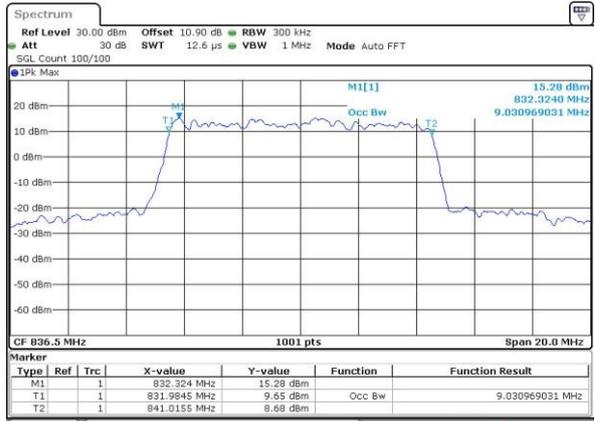
Date: 26 MAR 2016 09:20:20

Middle Channel / 10MHz / QPSK



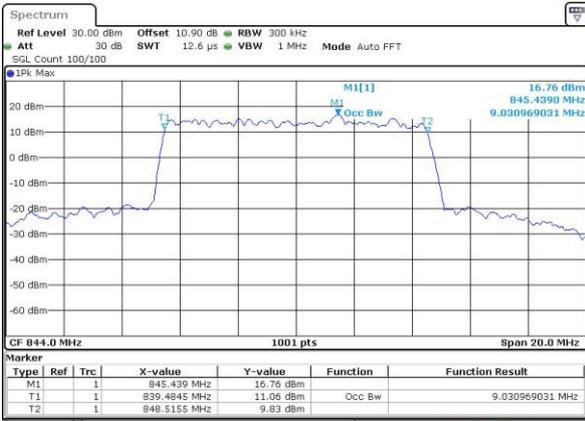
Date: 26 MAR 2016 09:30:49

Middle Channel / 10MHz / 16QAM



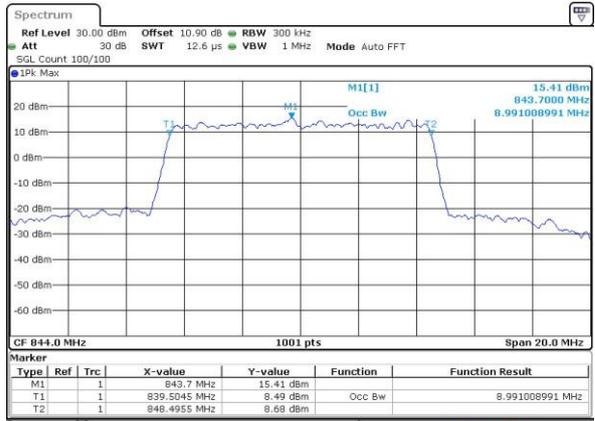
Date: 26 MAR 2016 09:31:00

Highest Channel / 10MHz / QPSK



Date: 26 MAR 2016 09:33:20

Highest Channel / 10MHz / 16QAM



Date: 26 MAR 2016 09:33:30

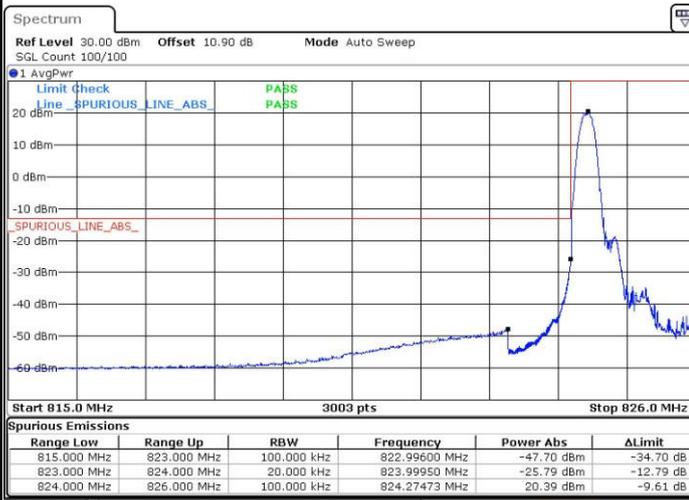


**Conducted Band Edge**



LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



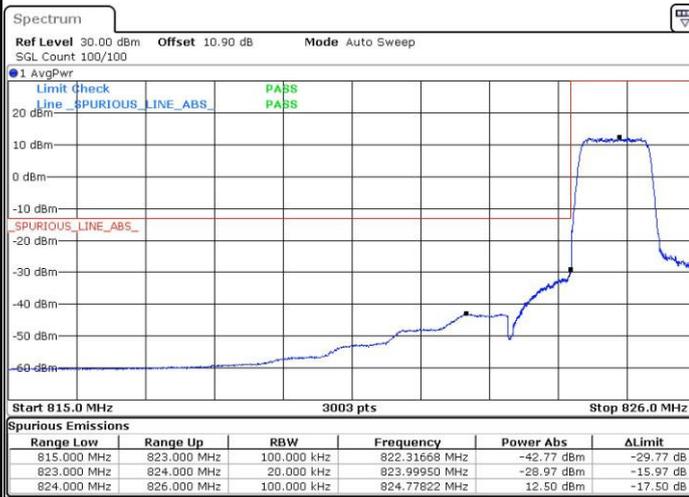
Date: 26 MAR 2016 09:46:33

Highest Band Edge / 1RB



Date: 26 MAR 2016 10:03:48

Lowest Band Edge / Full RB



Date: 26 MAR 2016 09:50:38

Highest Band Edge / Full RB

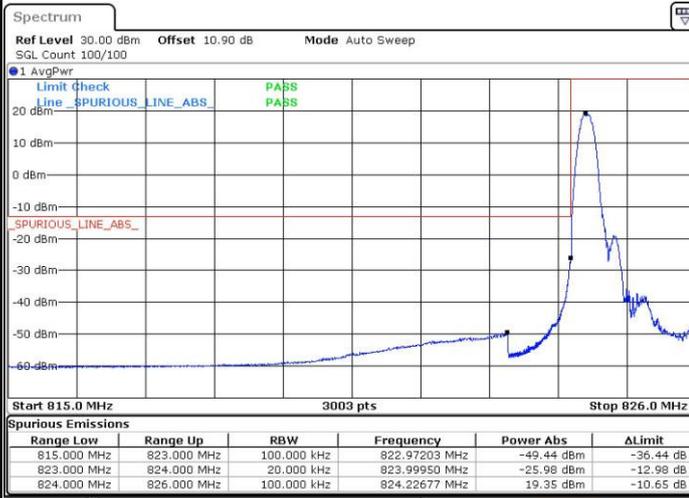


Date: 26 MAR 2016 09:59:44



LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 26 MAR 2016 09:48:35

Highest Band Edge / 1 RB



Date: 26 MAR 2016 10:05:51

Lowest Band Edge / Full RB



Date: 26 MAR 2016 09:52:40

Highest Band Edge / Full RB

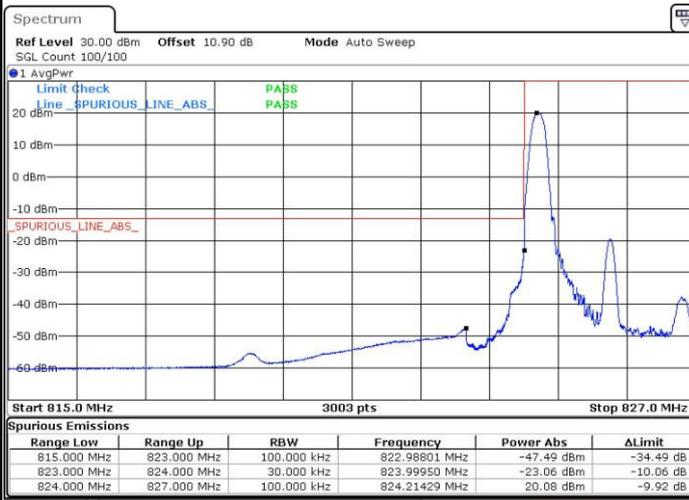


Date: 26 MAR 2016 10:01:46



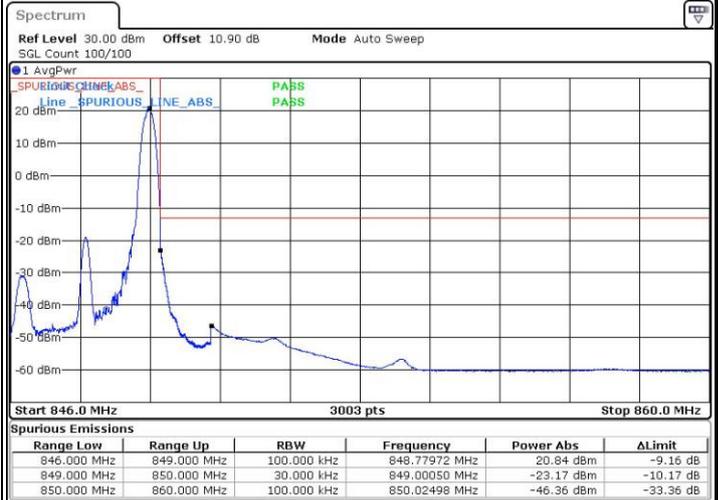
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



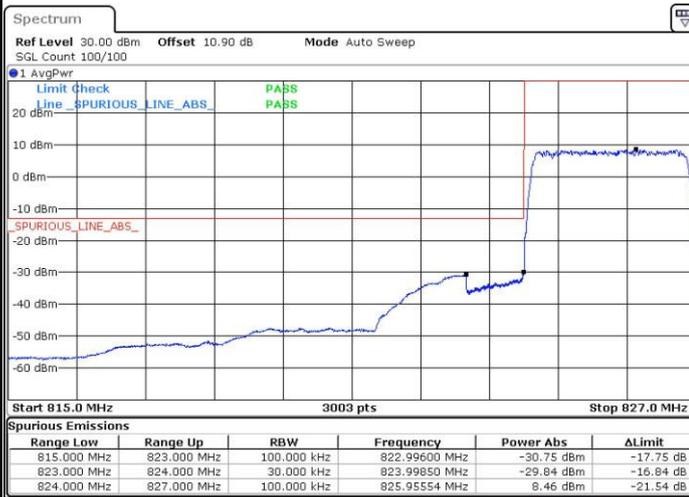
Date: 26 MAR 2016 08:35:01

Highest Band Edge / 1 RB



Date: 26 MAR 2016 08:48:12

Lowest Band Edge / Full RB



Date: 26 MAR 2016 08:39:06

Highest Band Edge / Full RB

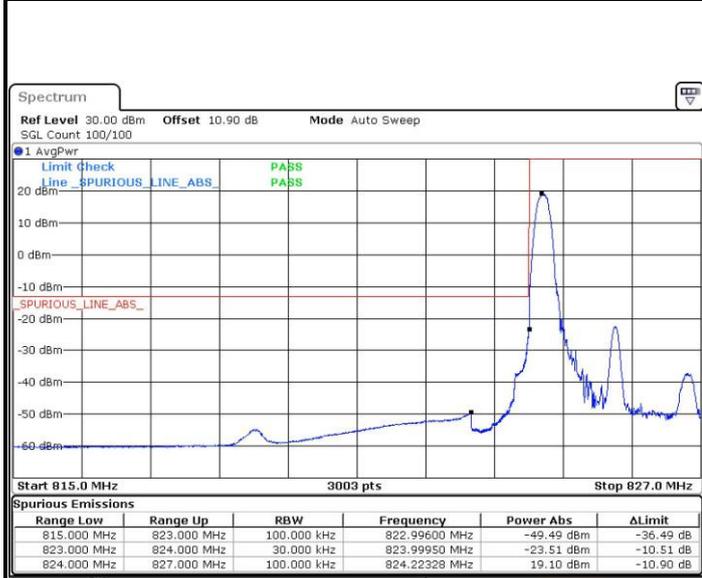


Date: 26 MAR 2016 08:52:17



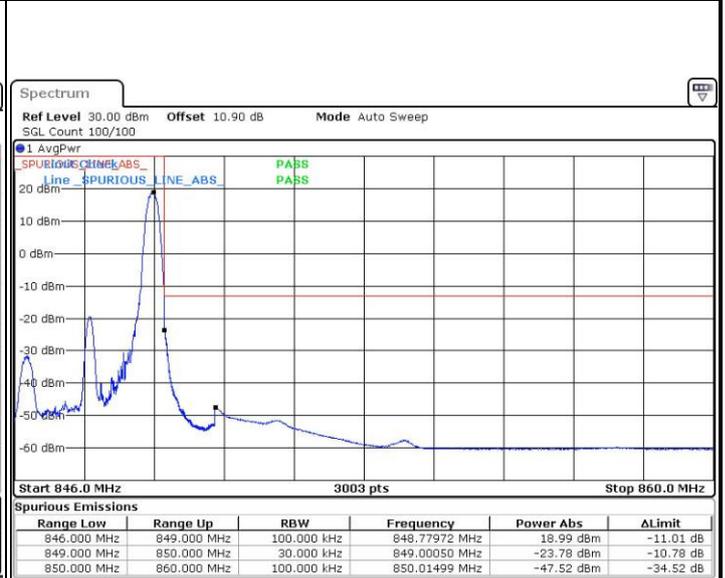
**LTE Band 5 / 3MHz / 16QAM**

**Lowest Band Edge / 1 RB**



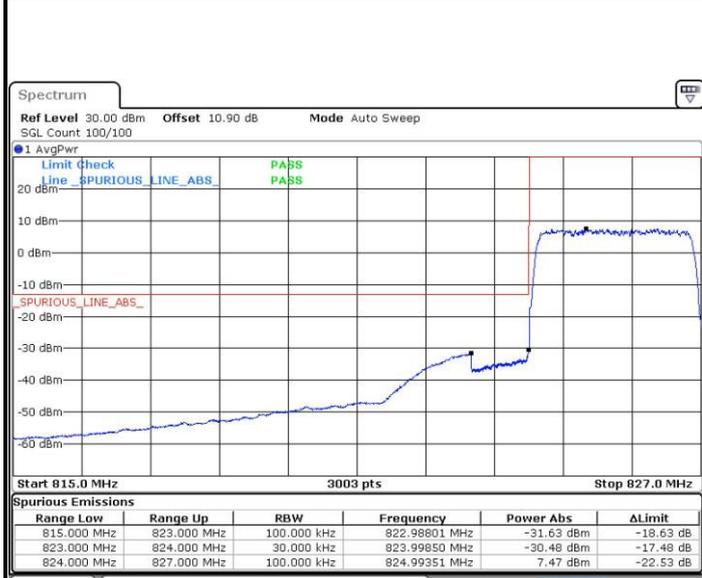
Date: 26 MAR 2016 08:37:04

**Highest Band Edge / 1 RB**



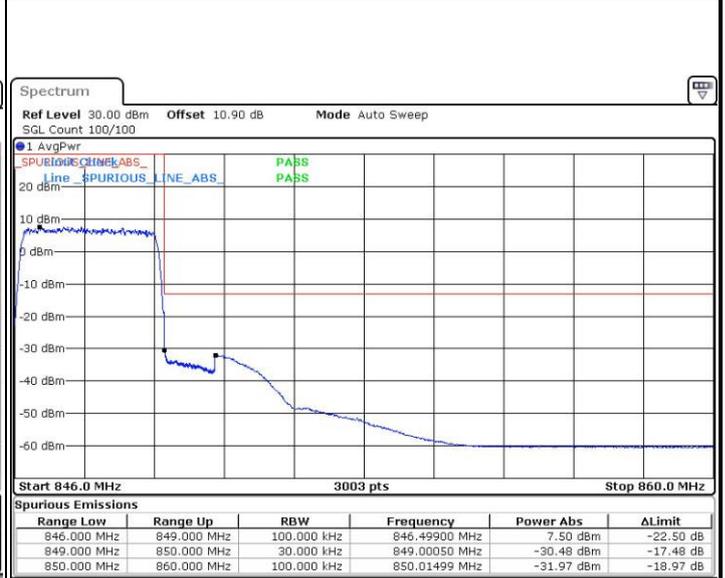
Date: 26 MAR 2016 08:50:14

**Lowest Band Edge / Full RB**



Date: 26 MAR 2016 08:41:08

**Highest Band Edge / Full RB**

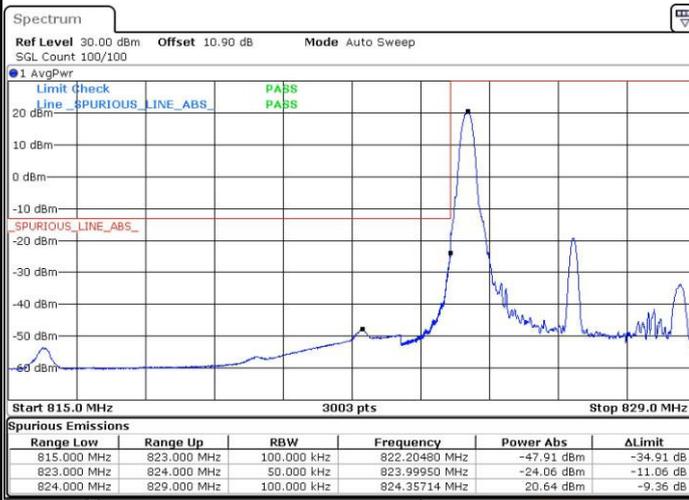


Date: 26 MAR 2016 08:54:19



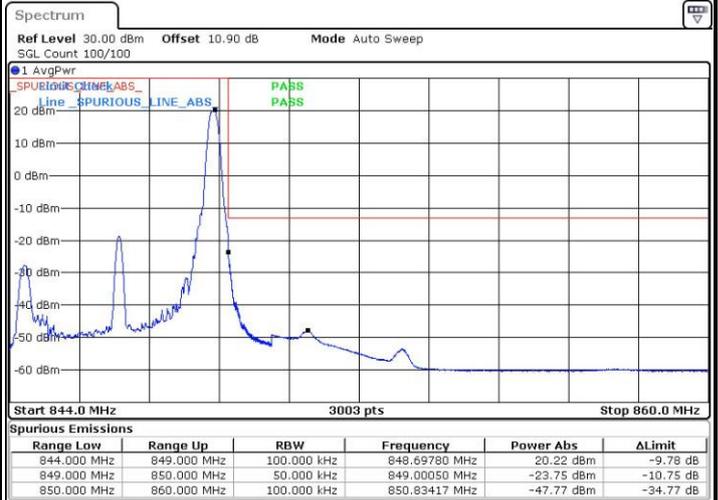
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 26 MAR 2016 08:58:52

Highest Band Edge / 1 RB



Date: 26 MAR 2016 09:12:03

Lowest Band Edge / Full RB



Date: 26 MAR 2016 09:02:57

Highest Band Edge / Full RB

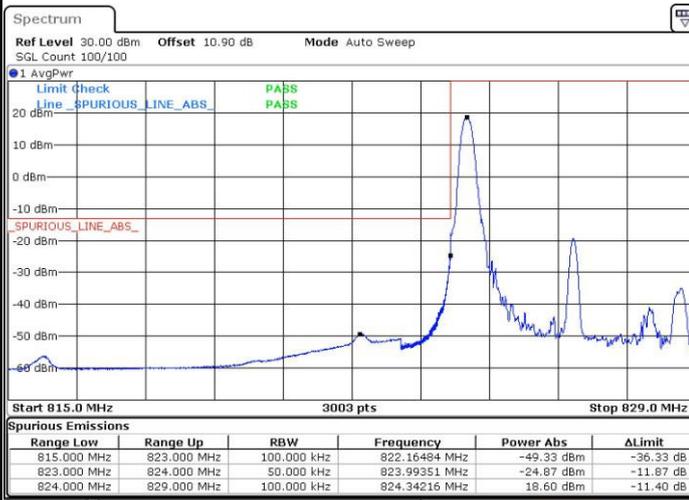


Date: 26 MAR 2016 09:16:07



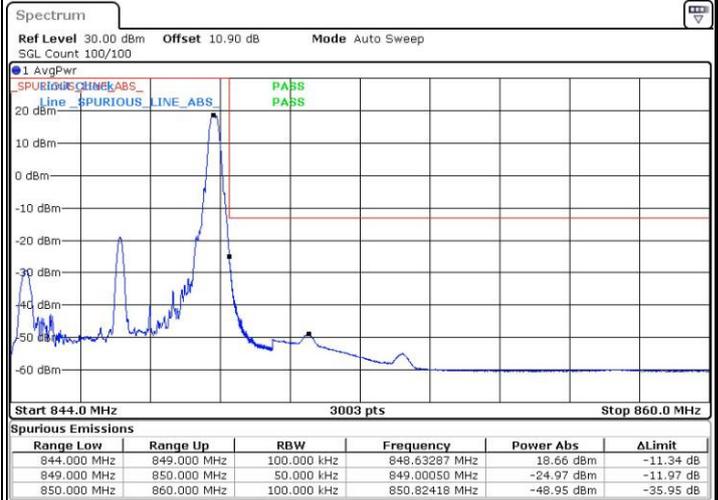
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



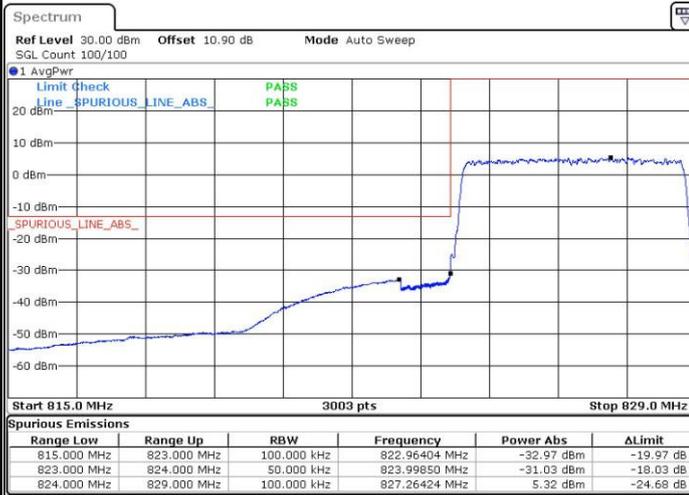
Date: 26 MAR 2016 09:00:54

Highest Band Edge / 1 RB



Date: 26 MAR 2016 09:14:05

Lowest Band Edge / Full RB



Date: 26 MAR 2016 09:04:59

Highest Band Edge / Full RB

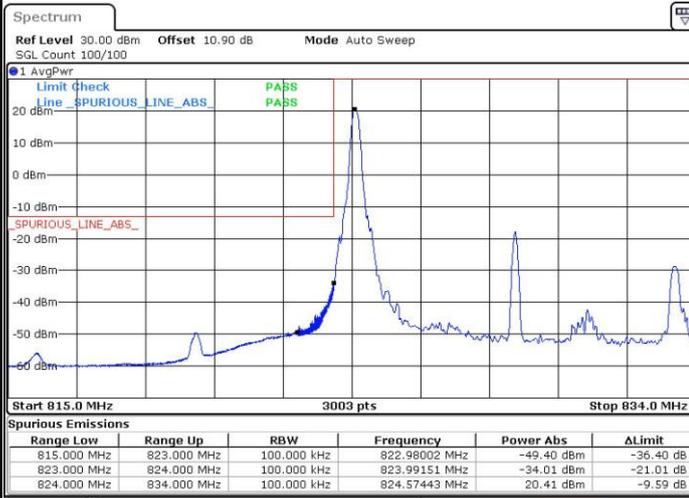


Date: 26 MAR 2016 09:18:09



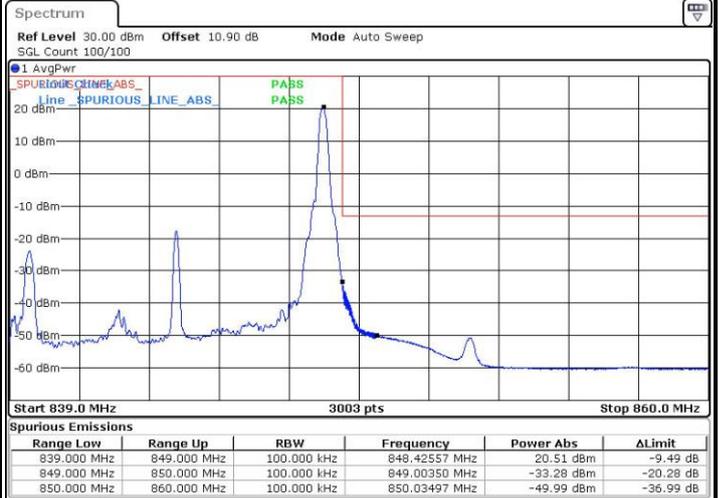
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



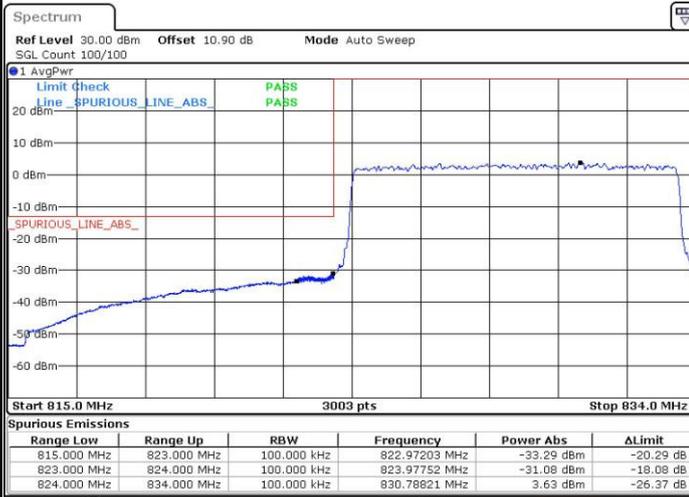
Date: 26 MAR 2016 09:22:42

Highest Band Edge / 1 RB



Date: 26 MAR 2016 09:35:53

Lowest Band Edge / Full RB



Date: 26 MAR 2016 09:26:47

Highest Band Edge / Full RB

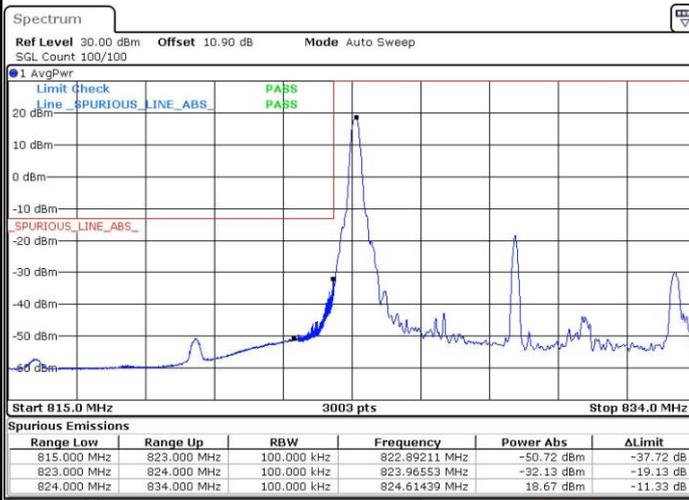


Date: 26 MAR 2016 09:39:58



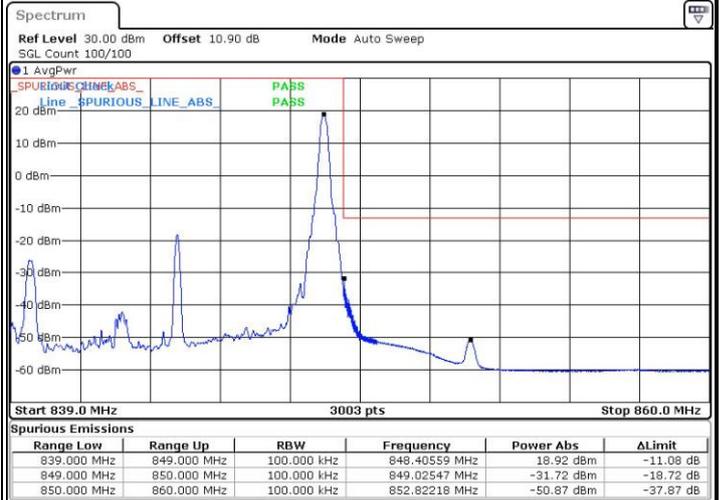
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



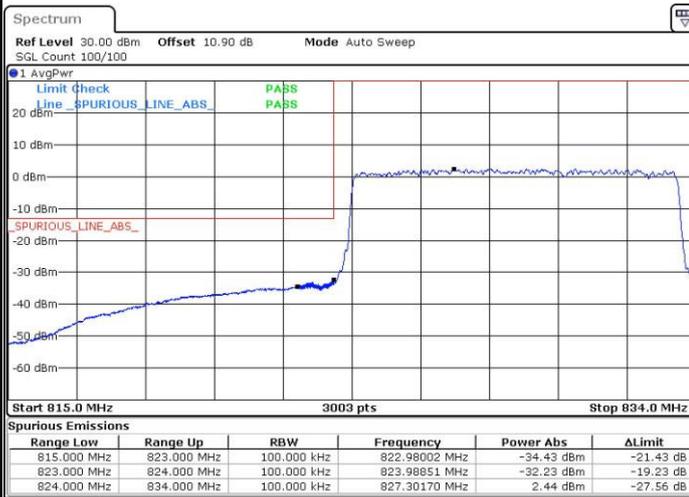
Date: 26 MAR 2016 09:24:45

Highest Band Edge / 1 RB



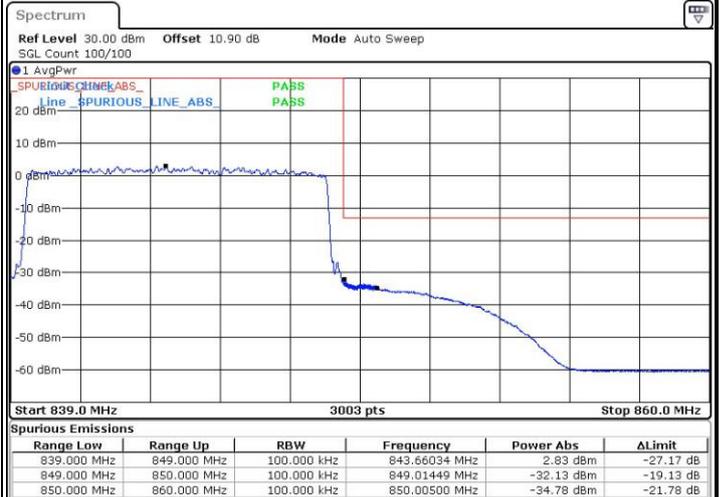
Date: 26 MAR 2016 09:37:56

Lowest Band Edge / Full RB



Date: 26 MAR 2016 09:28:49

Highest Band Edge / Full RB



Date: 26 MAR 2016 09:42:00



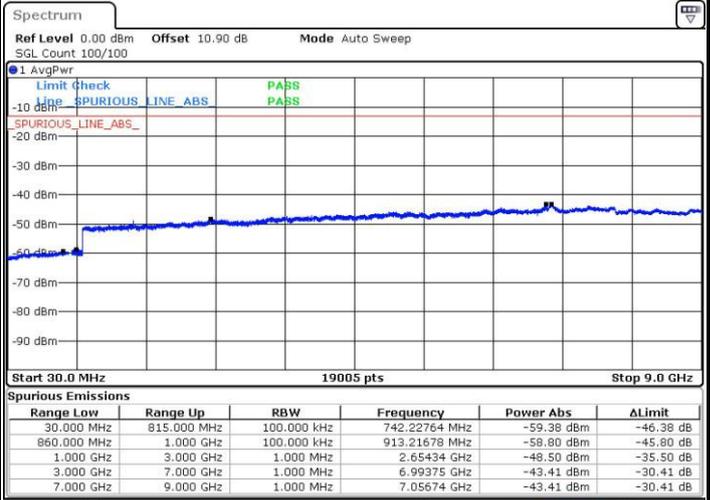
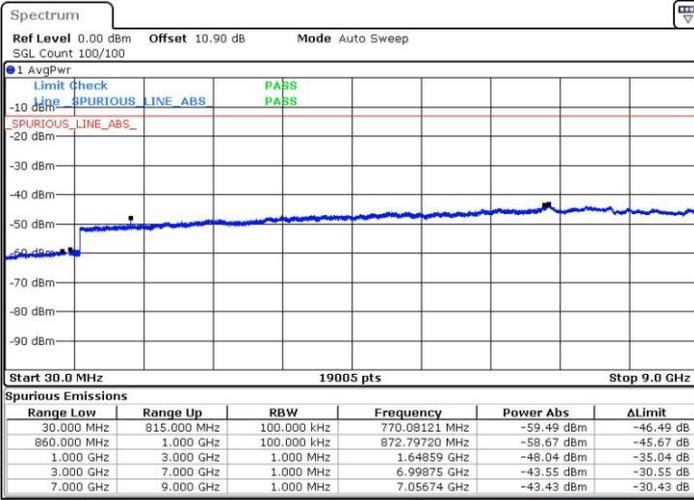
**Conducted Spurious Emission**



LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

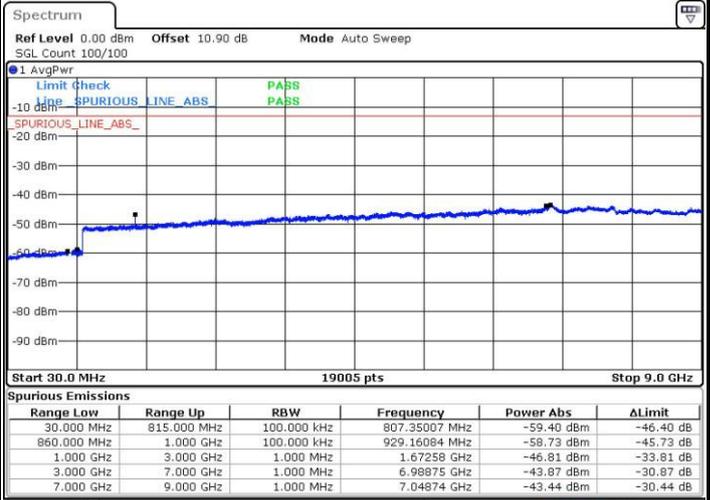
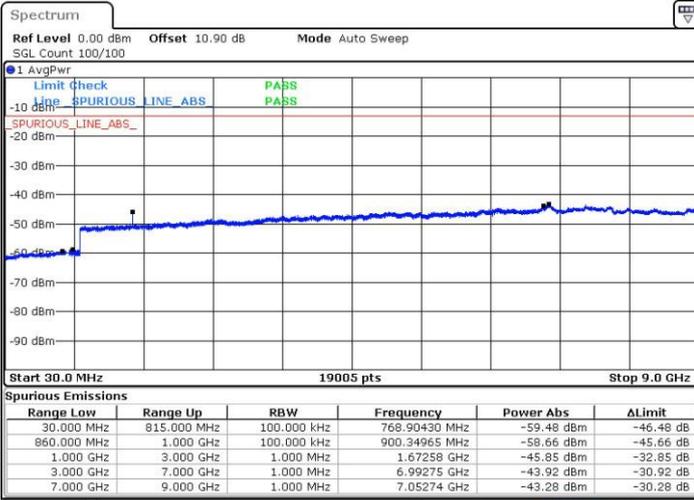


Date: 26 MAR 2016 09:53:35

Date: 26 MAR 2016 09:54:29

Middle Channel / QPSK

Middle Channel / 16QAM



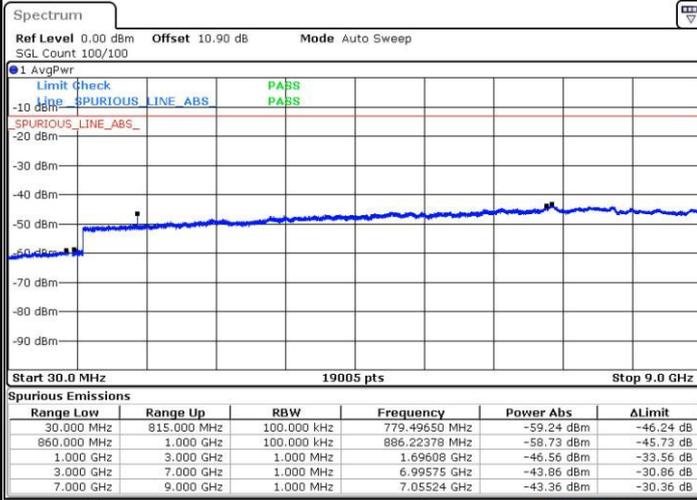
Date: 26 MAR 2016 09:56:06

Date: 26 MAR 2016 09:57:00



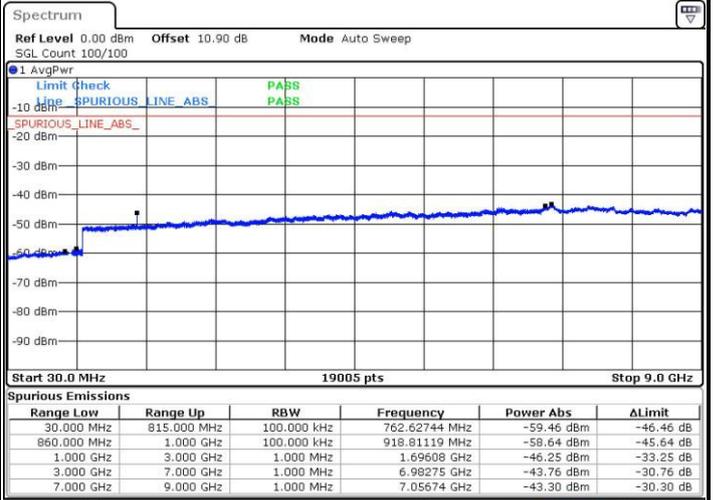
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 26 MAR 2016 10:06:46

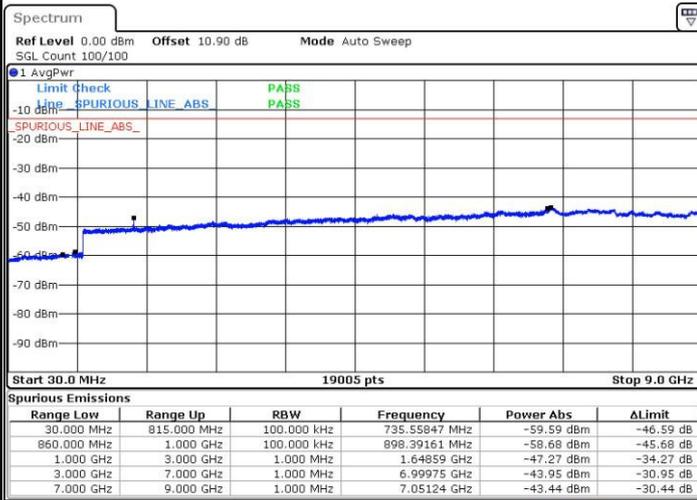
Highest Channel / 16QAM



Date: 26 MAR 2016 10:07:40

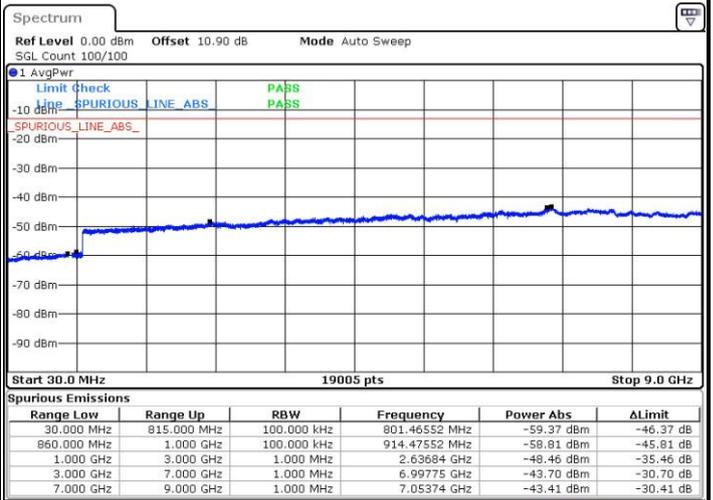
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 26 MAR 2016 08:42:03

Lowest Channel / 16QAM

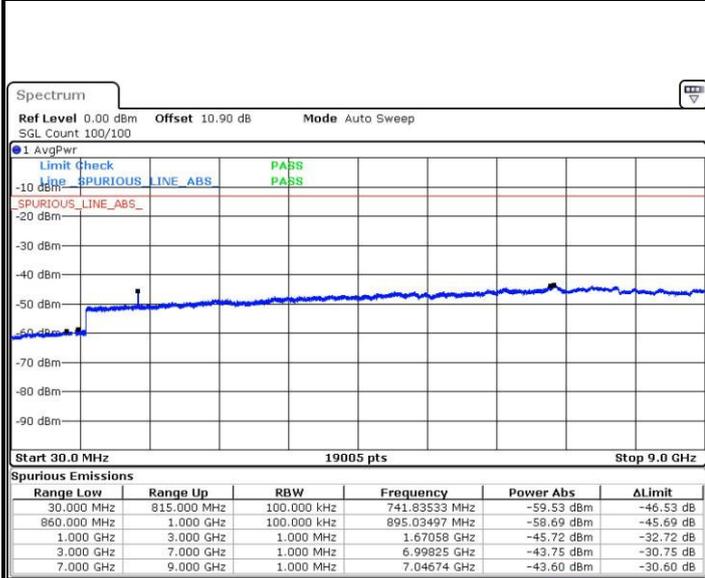


Date: 26 MAR 2016 08:42:58



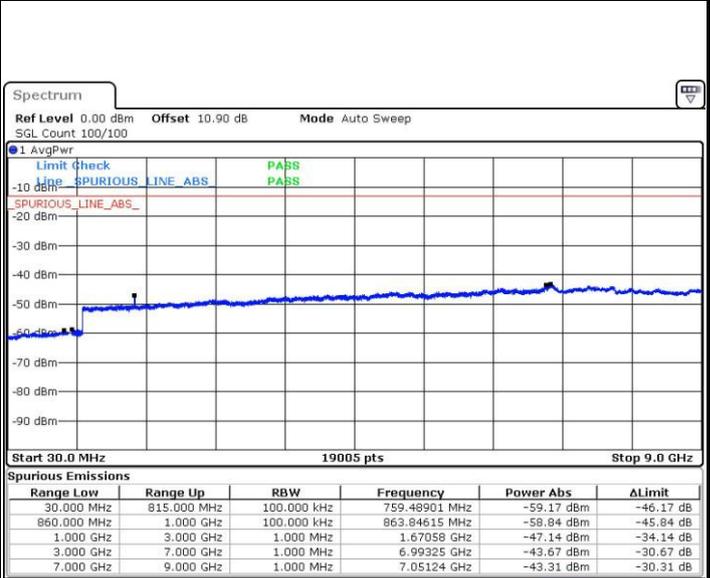
LTE Band 5 / 3MHz

Middle Channel / QPSK



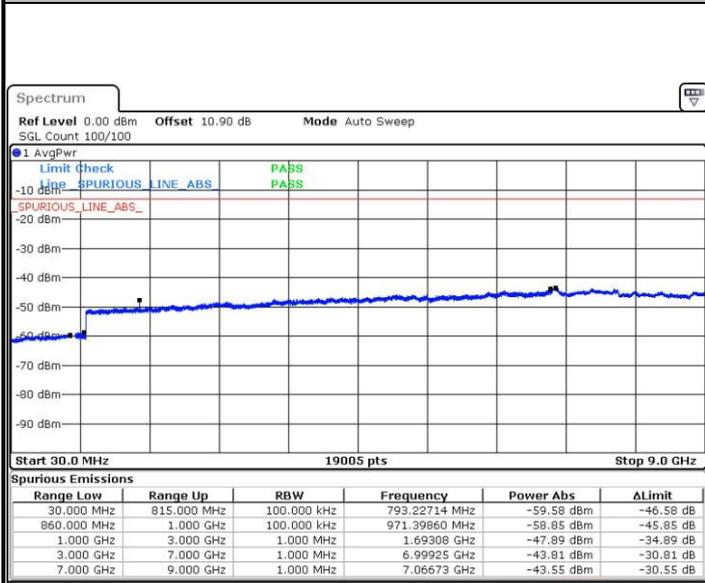
Date: 26.MAR.2016 08:44:34

Middle Channel / 16QAM



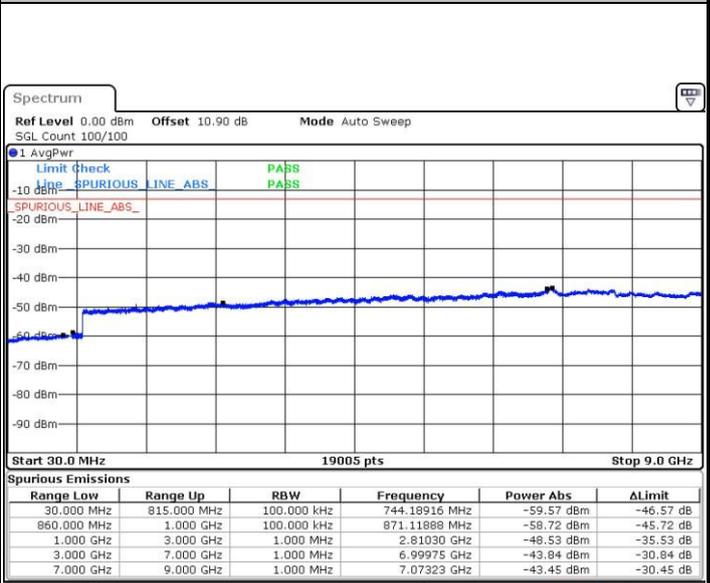
Date: 26.MAR.2016 08:45:28

Highest Channel / QPSK



Date: 26.MAR.2016 08:55:14

Highest Channel / 16QAM



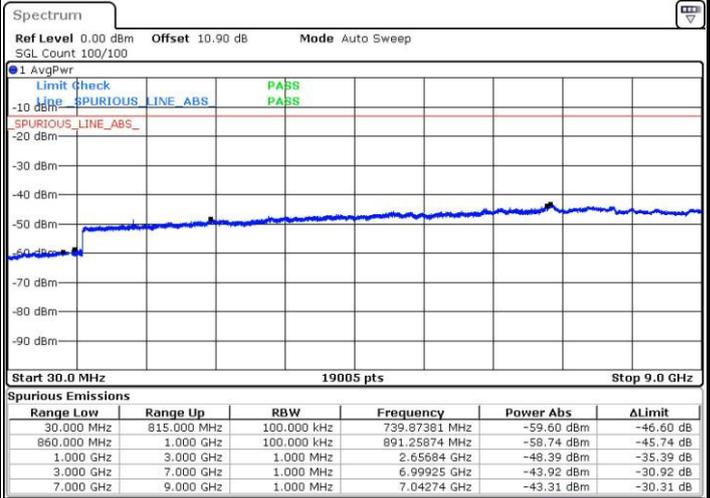
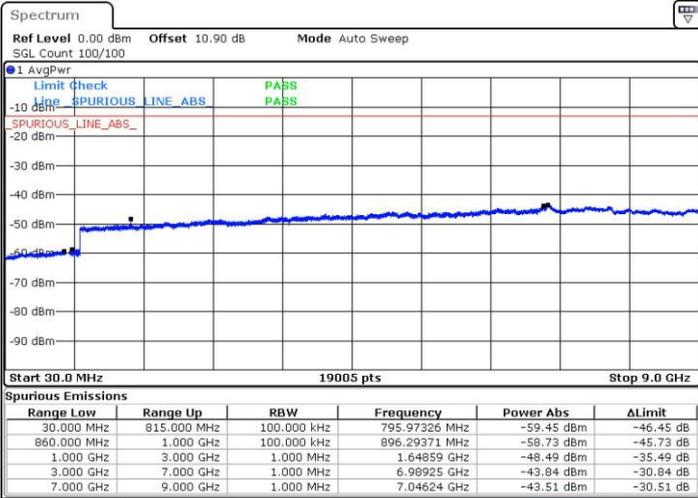
Date: 26.MAR.2016 08:56:08



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

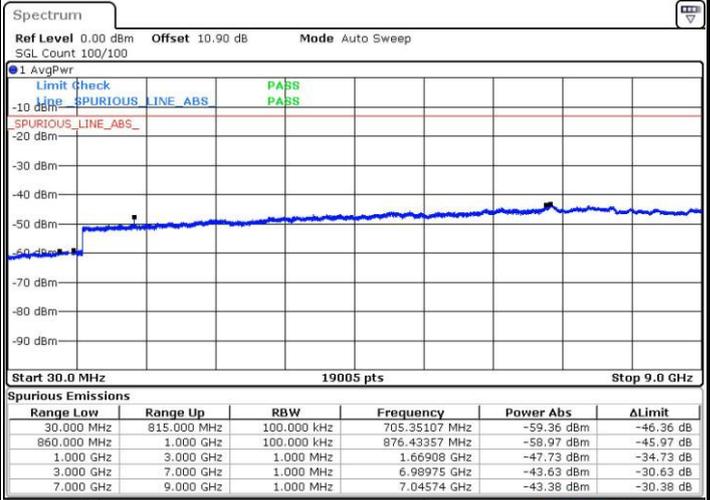
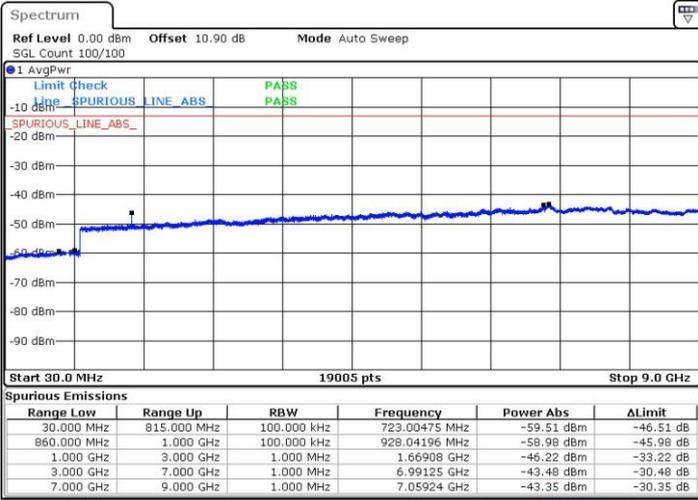


Date: 26.MAR.2016 09:05:54

Date: 26.MAR.2016 09:06:48

Middle Channel / QPSK

Middle Channel / 16QAM



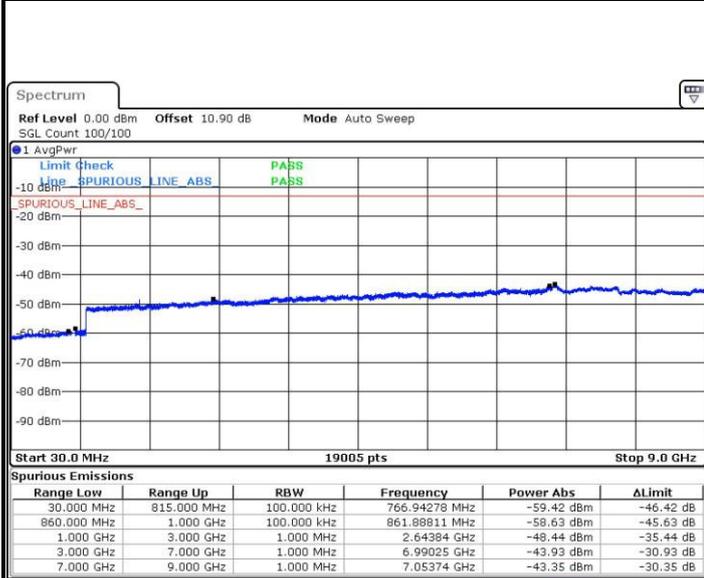
Date: 26.MAR.2016 09:08:24

Date: 26.MAR.2016 09:09:19



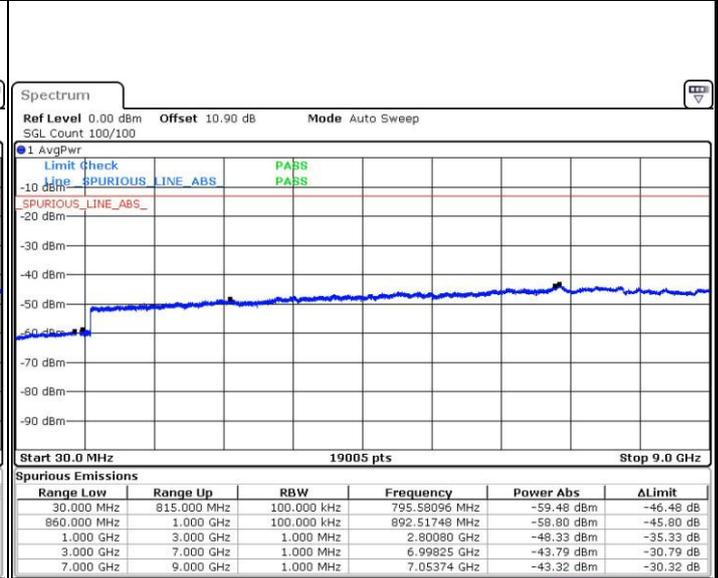
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 26 MAR 2016 09:19:04

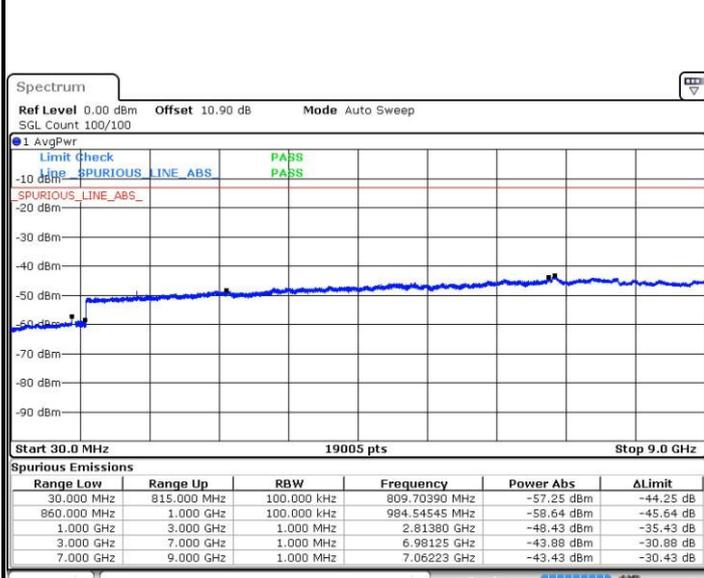
Highest Channel / 16QAM



Date: 26 MAR 2016 09:19:59

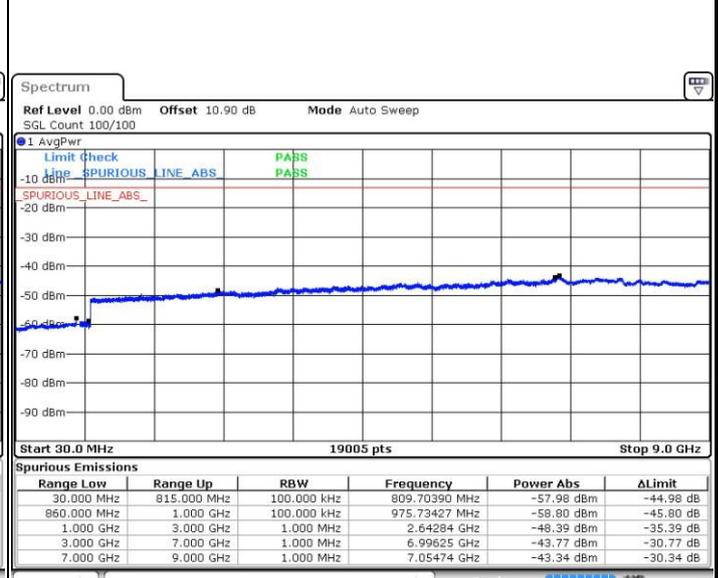
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 26 MAR 2016 09:29:44

Lowest Channel / 16QAM



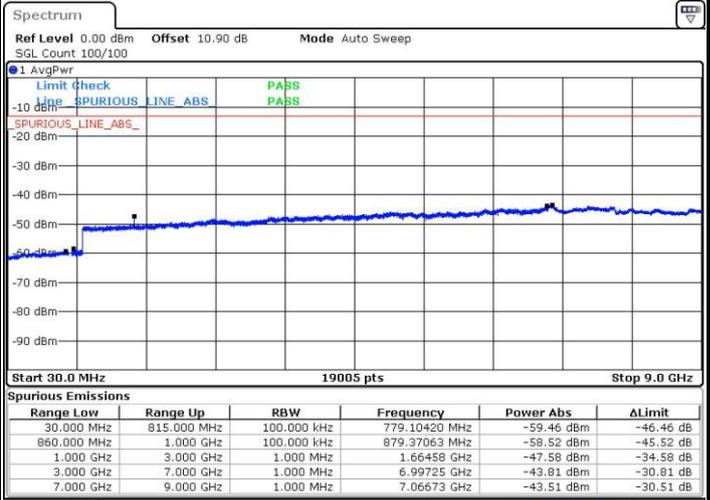
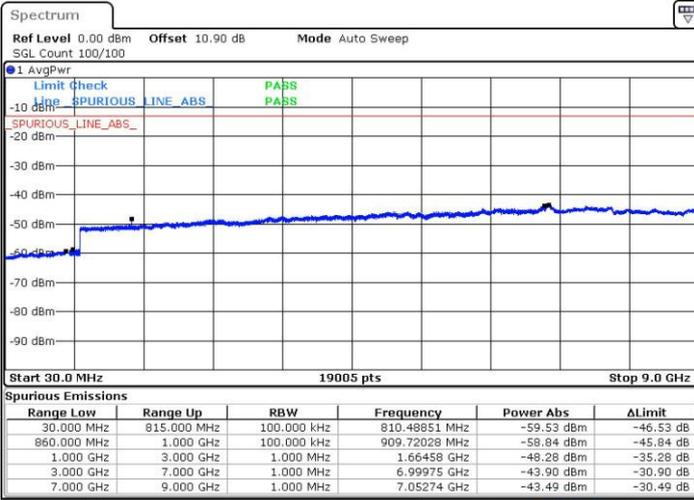
Date: 26 MAR 2016 09:30:39



LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

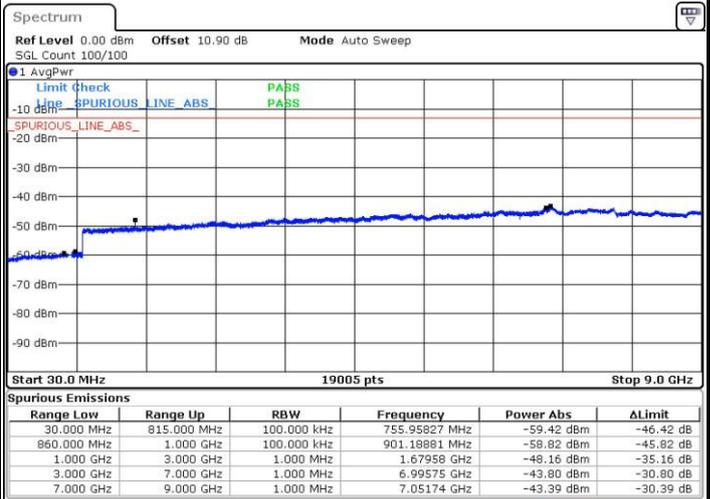
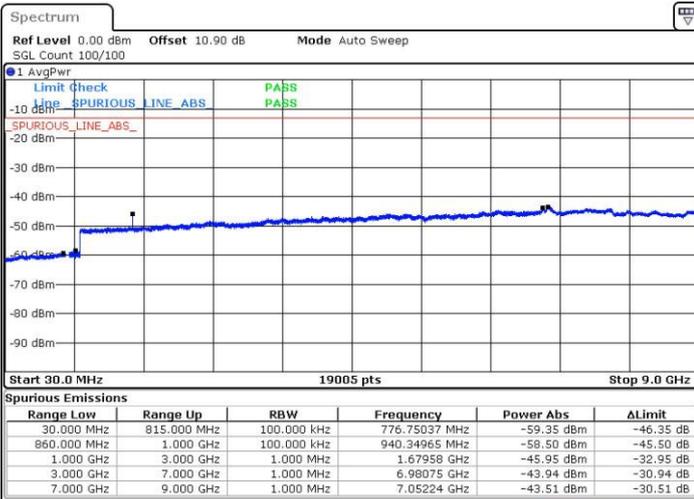


Date: 26 MAR 2016 09:32:15

Date: 26 MAR 2016 09:33:09

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 26 MAR 2016 09:42:55

Date: 26 MAR 2016 09:43:49



### Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0074	PASS
40	Normal Voltage	0.0090	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0091	
-10	Normal Voltage	0.0102	
-20	Normal Voltage	0.0010	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0098	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0084	

**Note:**

1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.2 V. ; Maximum Voltage =4.35 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 13

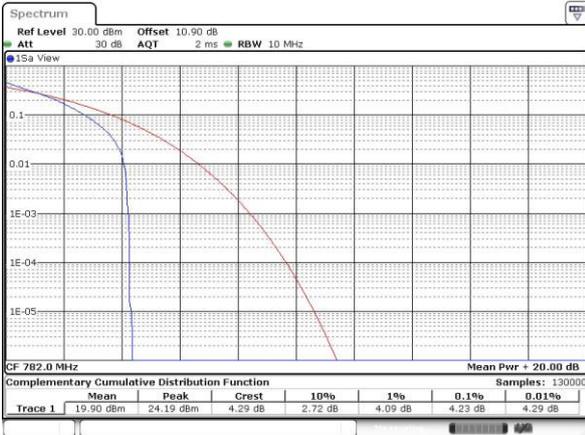
### Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	-	-	PASS
Middle CH	4.23	5.33	5.48	6.41	
Highest CH	-	-	-	-	



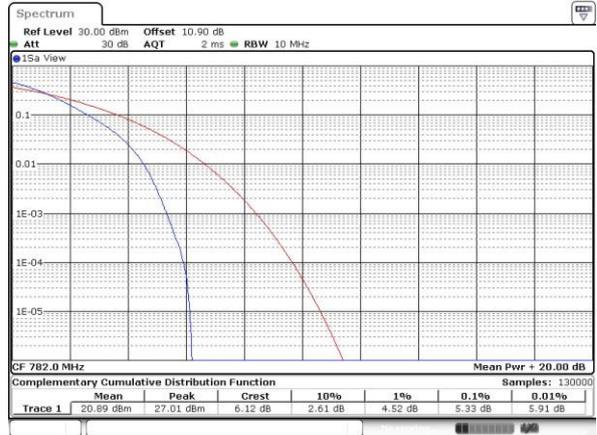
LTE Band 13 / 10MHz / QPSK

Middle Channel/ 1RB



Date: 26 MAR 2016 15:17:27

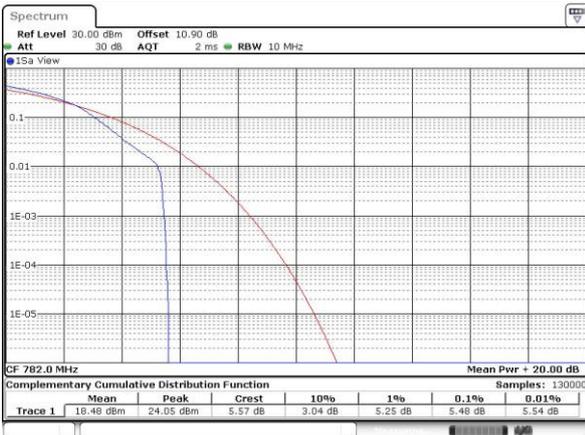
Middle Channel / Full RB



Date: 26 MAR 2016 15:17:44

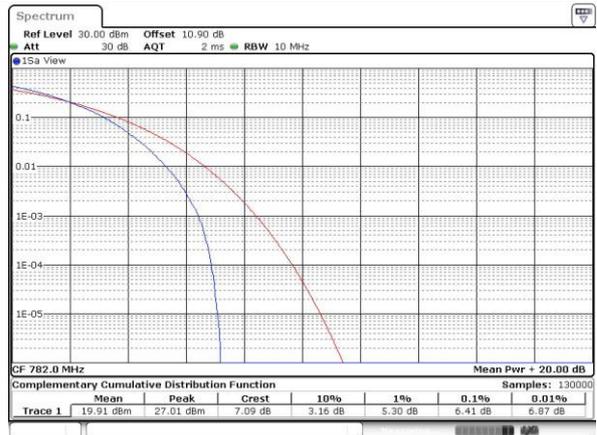
LTE Band 13 / 10MHz / 16QAM

Middle Channel/ 1RB



Date: 26 MAR 2016 15:16:54

Middle Channel / Full RB



Date: 26 MAR 2016 15:17:13



**26dB Bandwidth**

Mode	LTE Band 13 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.93	4.98	-	-	-	-	-	-
Middle CH	-	-	-	-	4.87	4.91	9.61	9.85	-	-	-	-
Highest CH	-	-	-	-	4.96	4.89	-	-	-	-	-	-