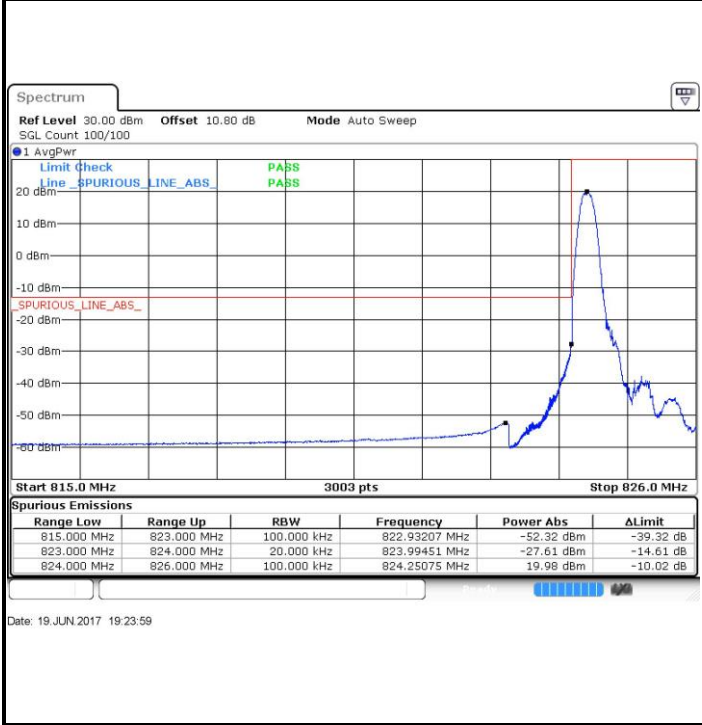


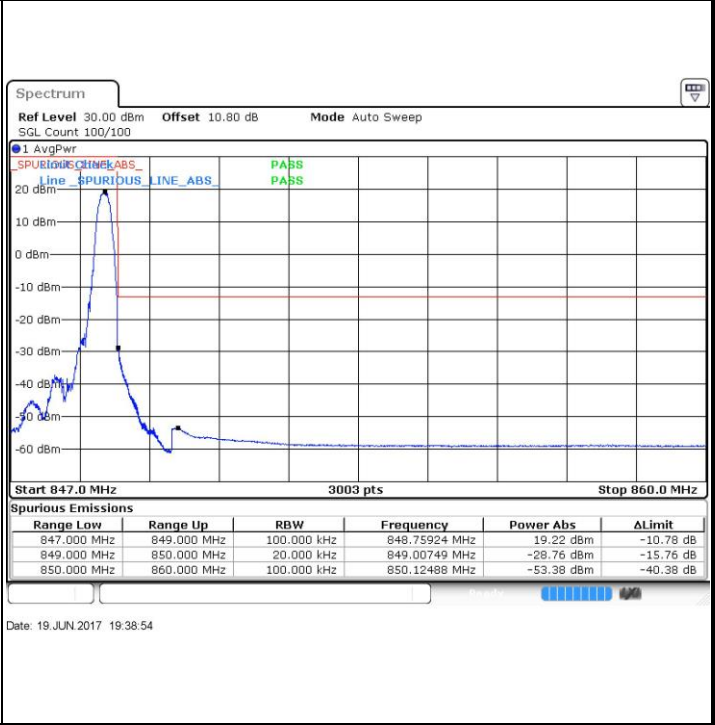


**LTE Band 5 / 1.4MHz / 16QAM**

**Lowest Band Edge / 1 RB**



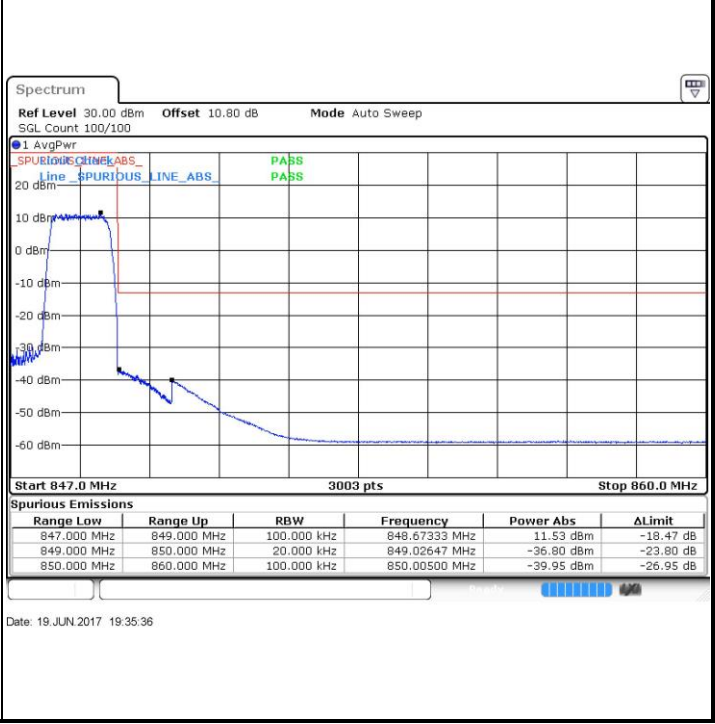
**Highest Band Edge / 1 RB**



**Lowest Band Edge / Full RB**



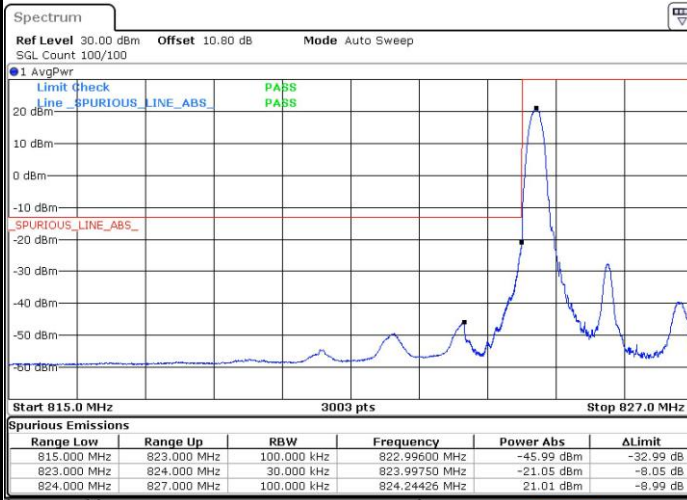
**Highest Band Edge / Full RB**





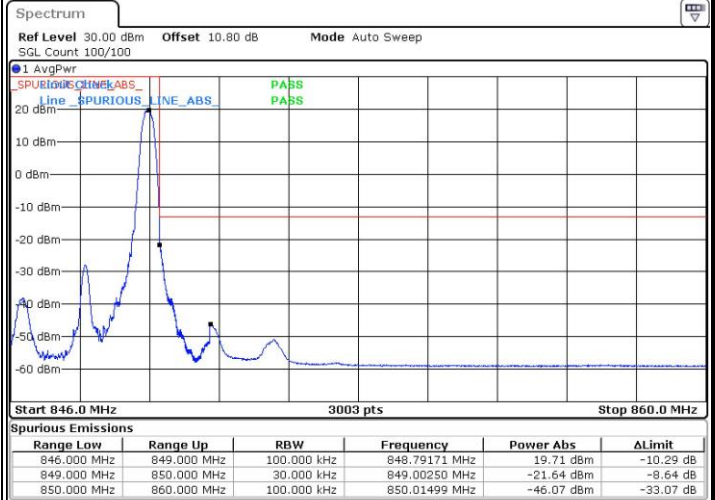
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



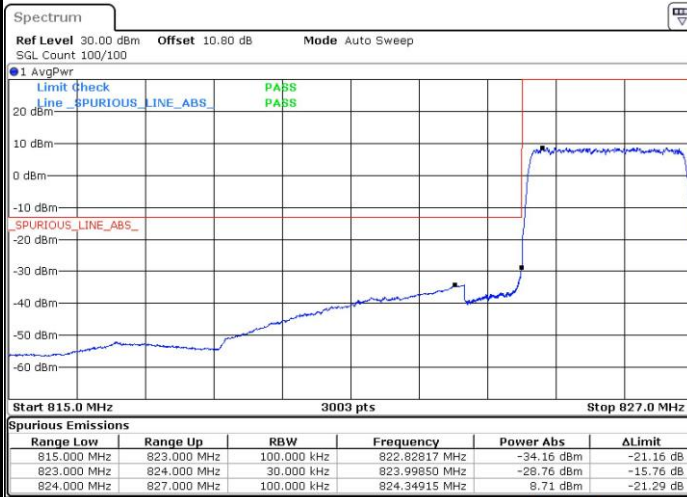
Date: 19 JUN 2017 19:43:03

Highest Band Edge / 1 RB



Date: 19 JUN 2017 19:54:40

Lowest Band Edge / Full RB



Date: 19 JUN 2017 19:46:21

Highest Band Edge / Full RB

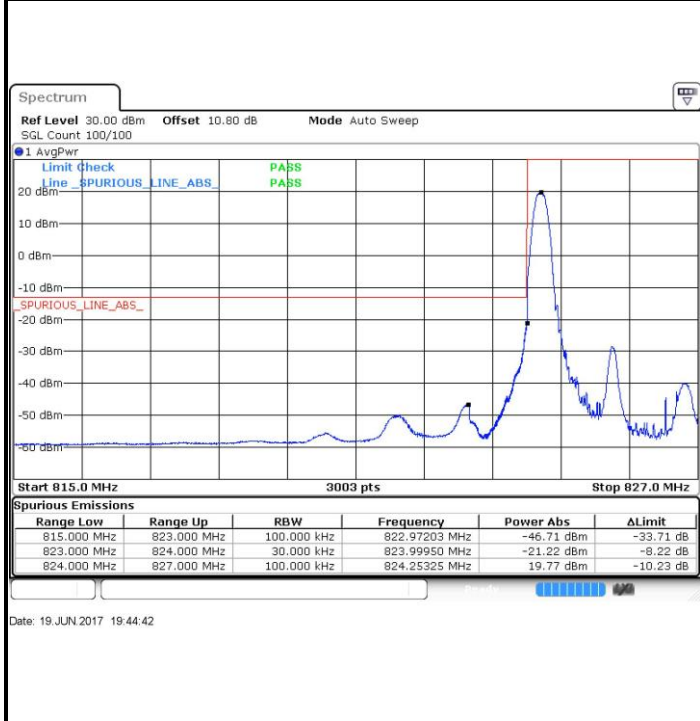


Date: 19 JUN 2017 19:57:58

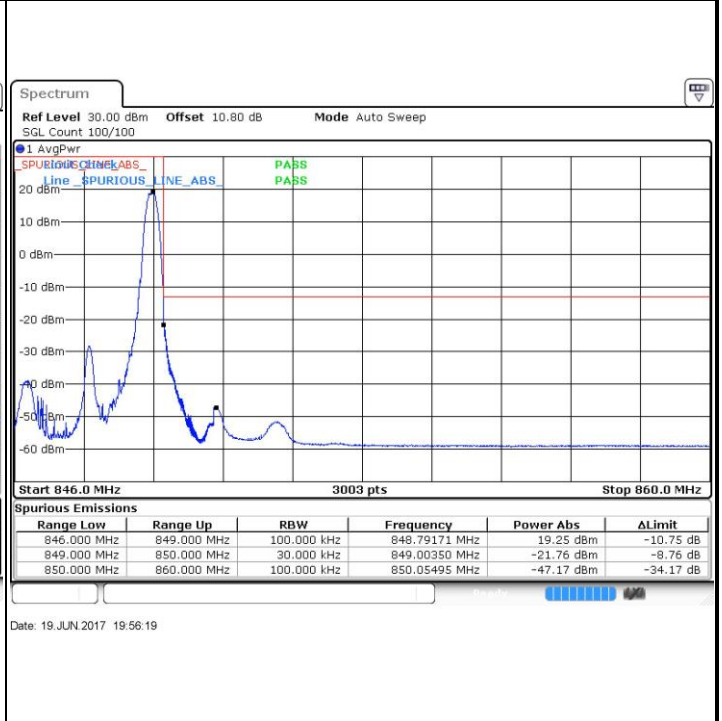


**LTE Band 5 / 3MHz / 16QAM**

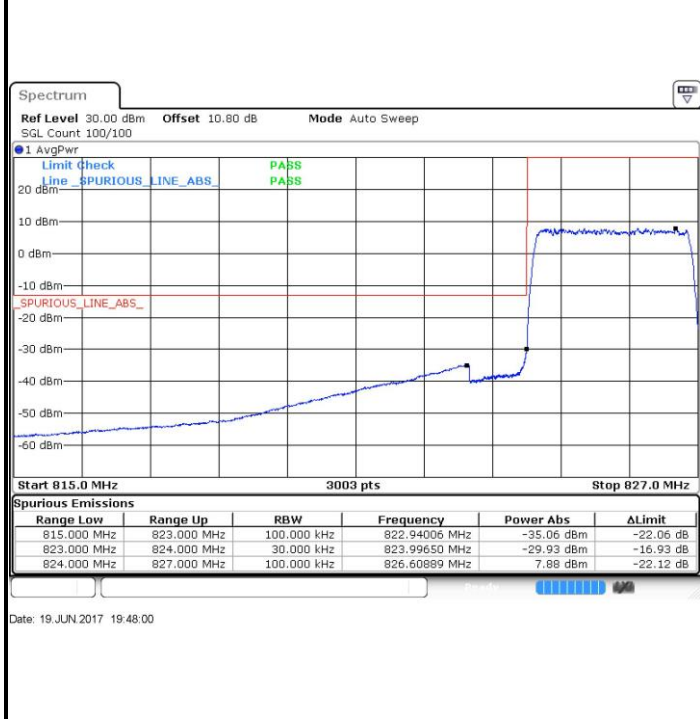
**Lowest Band Edge / 1 RB**



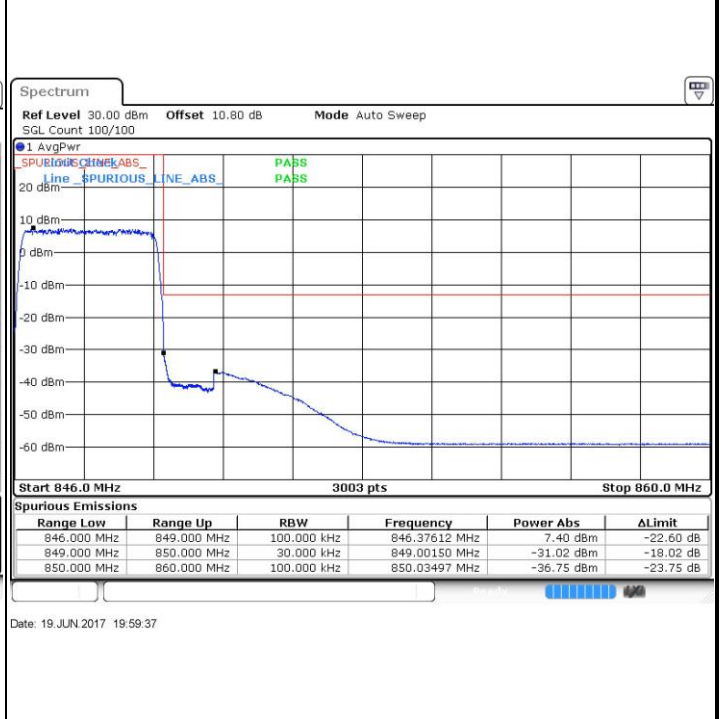
**Highest Band Edge / 1 RB**



**Lowest Band Edge / Full RB**



**Highest Band Edge / Full RB**

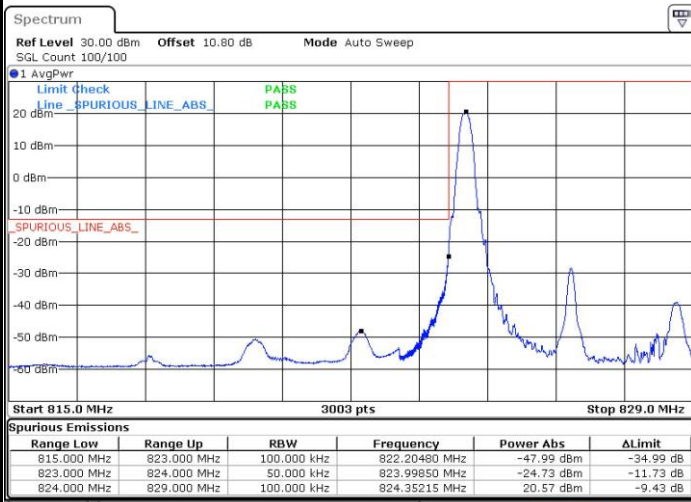




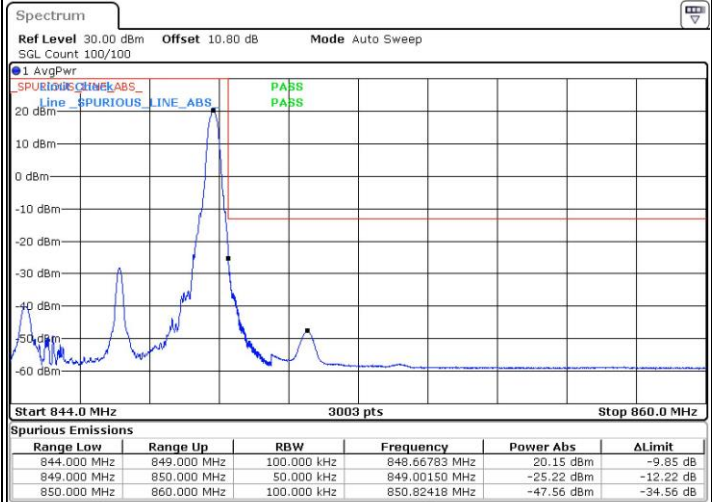
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



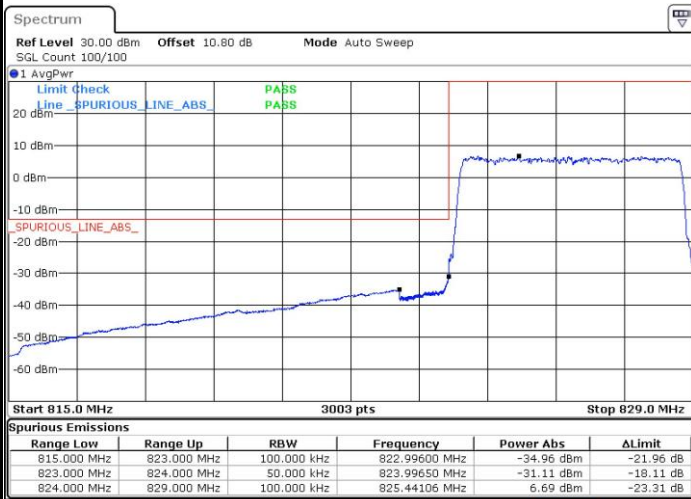
Date: 19 JUN 2017 20:03:46



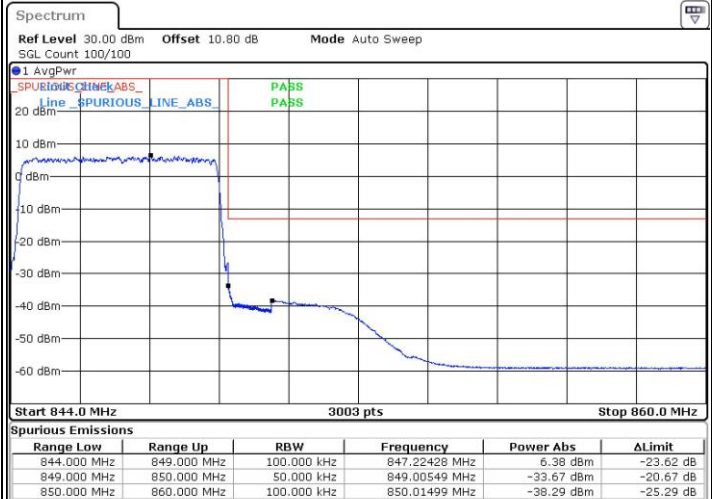
Date: 19 JUN 2017 20:15:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19 JUN 2017 20:07:04

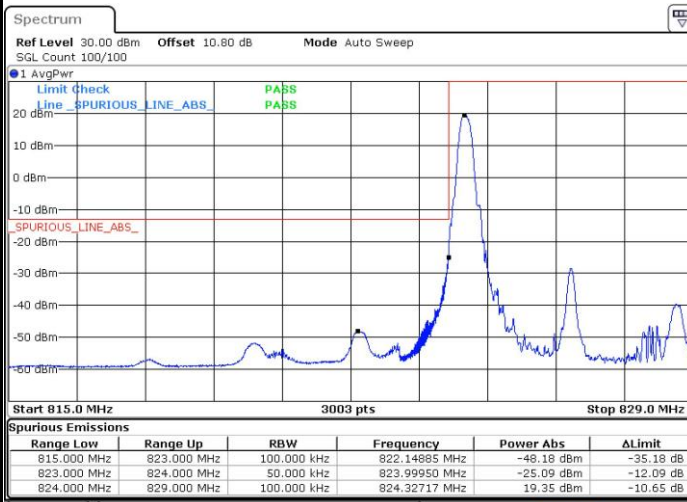


Date: 19 JUN 2017 20:18:41



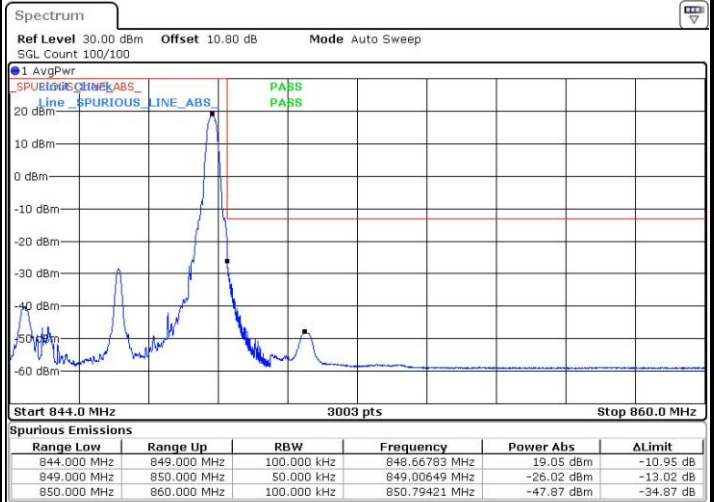
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



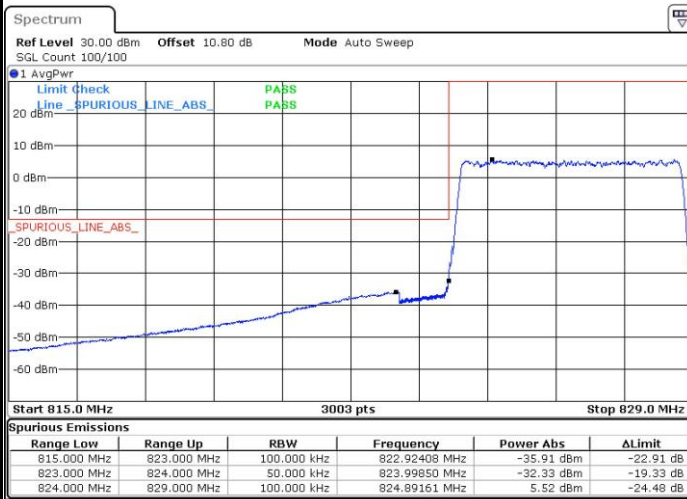
Date: 19 JUN 2017 20:05:25

Highest Band Edge / 1 RB



Date: 19 JUN 2017 20:17:02

Lowest Band Edge / Full RB



Date: 19 JUN 2017 20:08:44

Highest Band Edge / Full RB

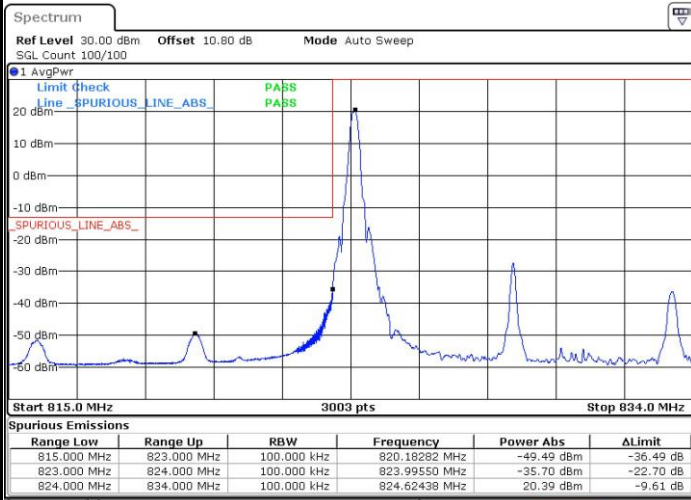


Date: 19 JUN 2017 20:20:21



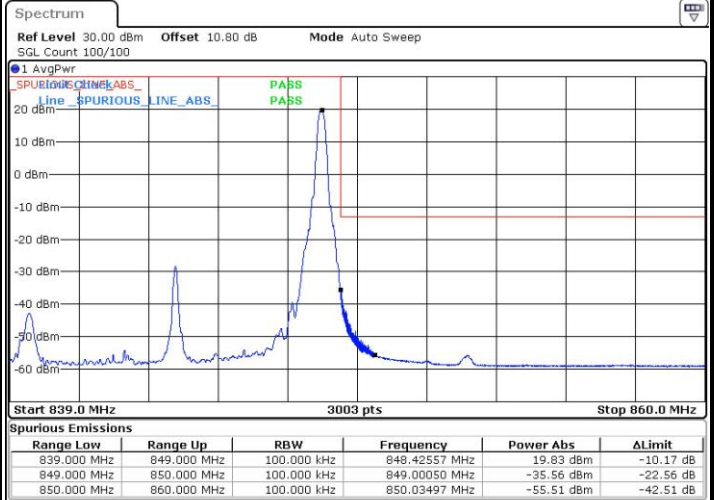
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



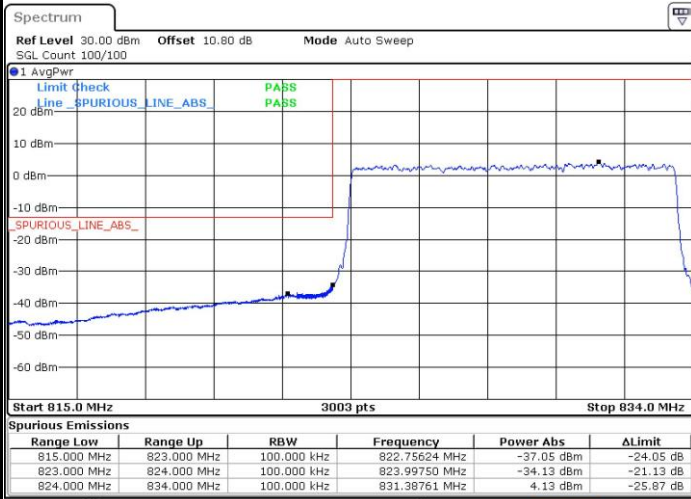
Date: 19 JUN 2017 20:24:30

Highest Band Edge / 1 RB



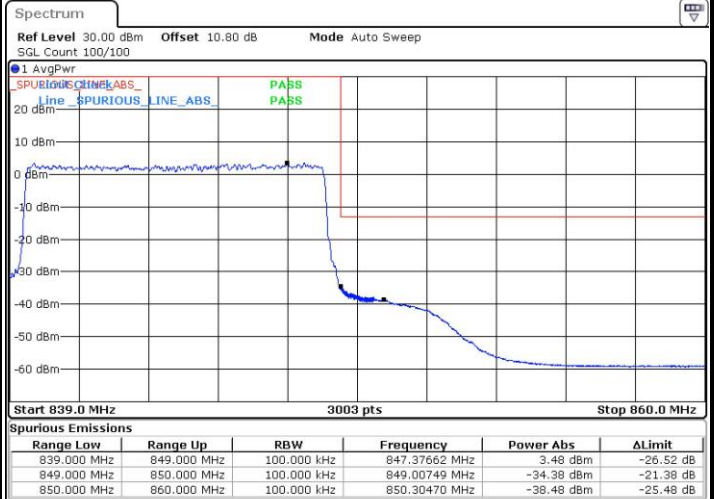
Date: 19 JUN 2017 20:36:07

Lowest Band Edge / Full RB



Date: 19 JUN 2017 20:27:48

Highest Band Edge / Full RB

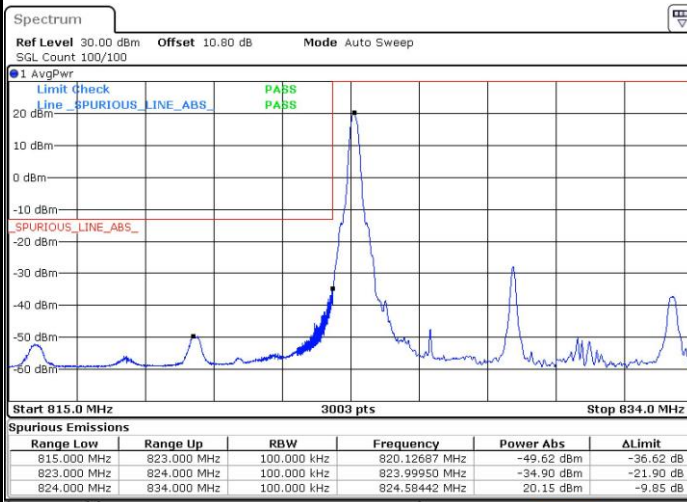


Date: 19 JUN 2017 20:39:25



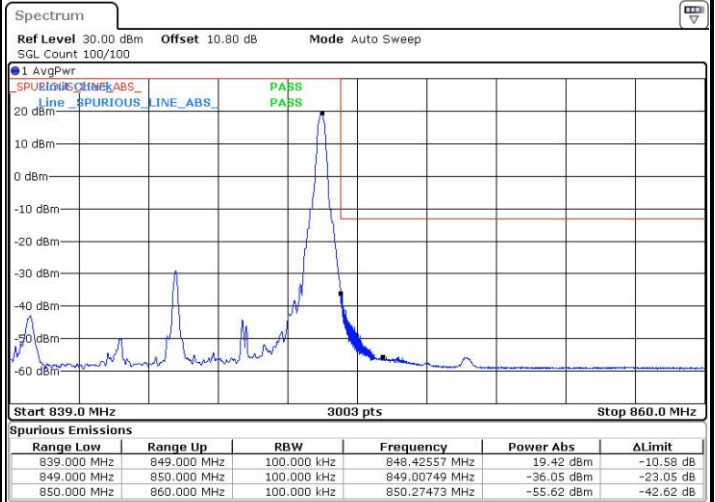
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



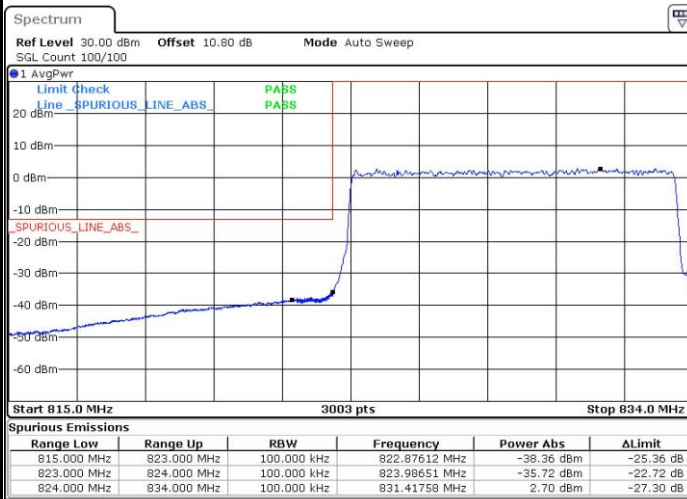
Date: 19 JUN 2017 20:26:09

Highest Band Edge / 1 RB



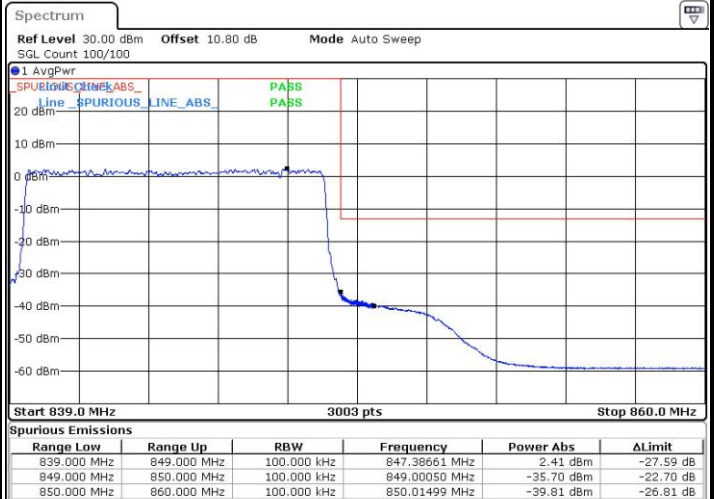
Date: 19 JUN 2017 20:37:46

Lowest Band Edge / Full RB



Date: 19 JUN 2017 20:29:27

Highest Band Edge / Full RB



Date: 19 JUN 2017 20:41:04



**Conducted Spurious Emission**

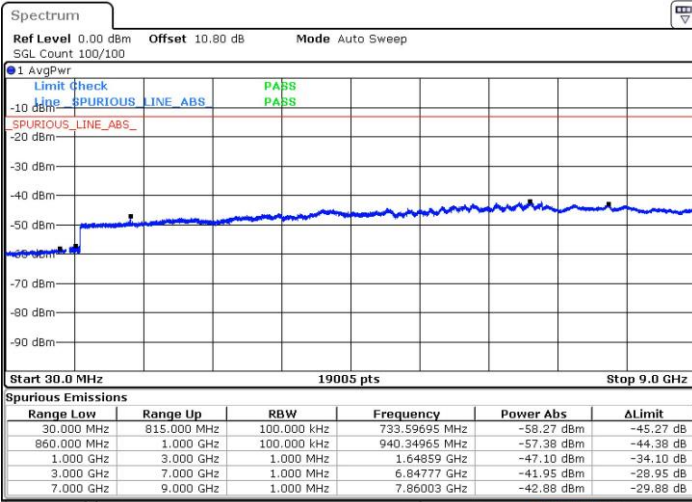




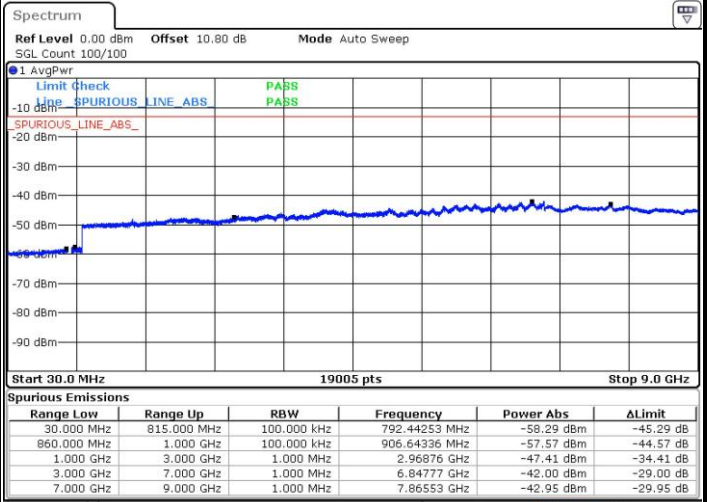
LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



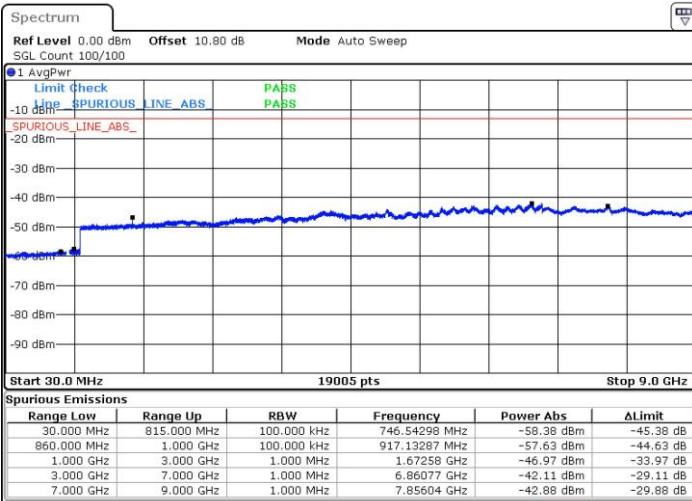
Date: 19 JUN 2017 19:28:12



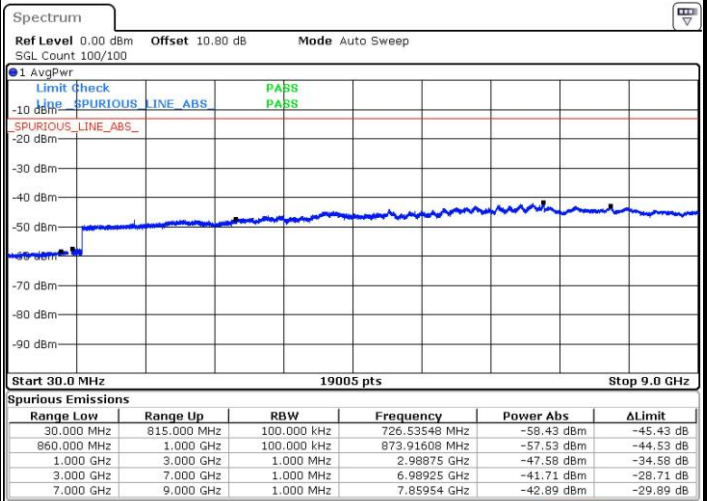
Date: 19 JUN 2017 19:29:07

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 19 JUN 2017 19:30:42

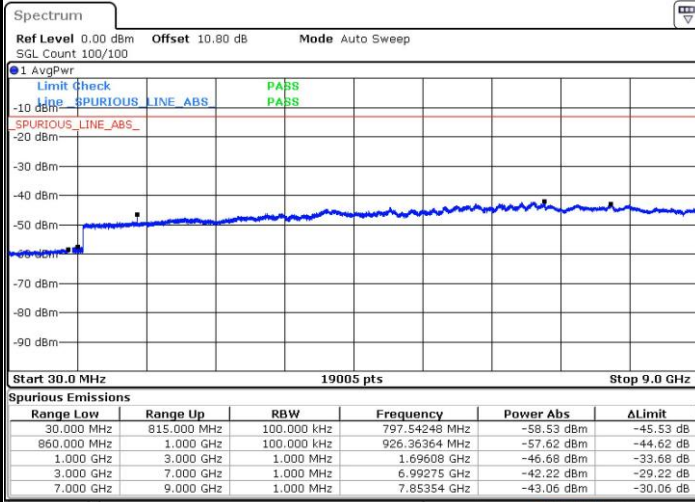


Date: 19 JUN 2017 19:31:37



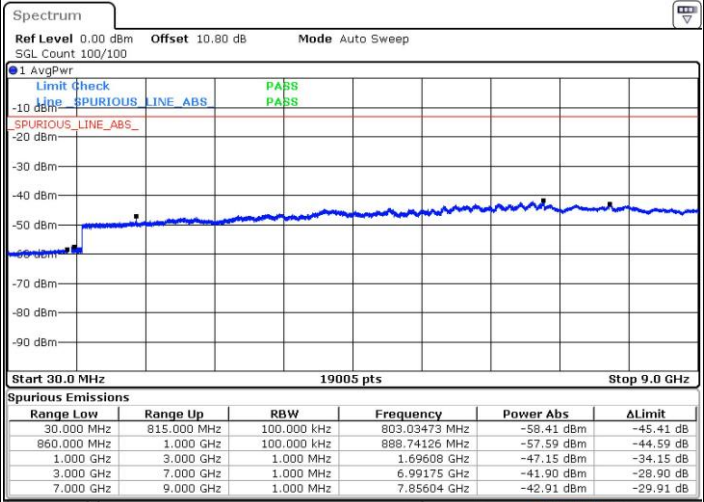
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 19 JUN 2017 19:39:49

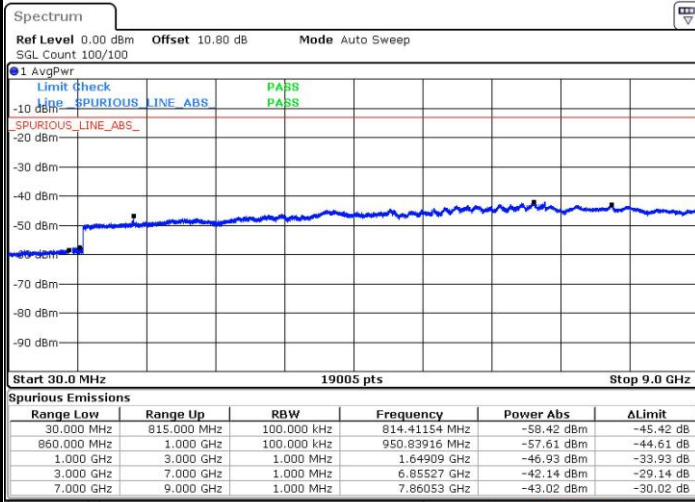
Highest Channel / 16QAM



Date: 19 JUN 2017 19:40:43

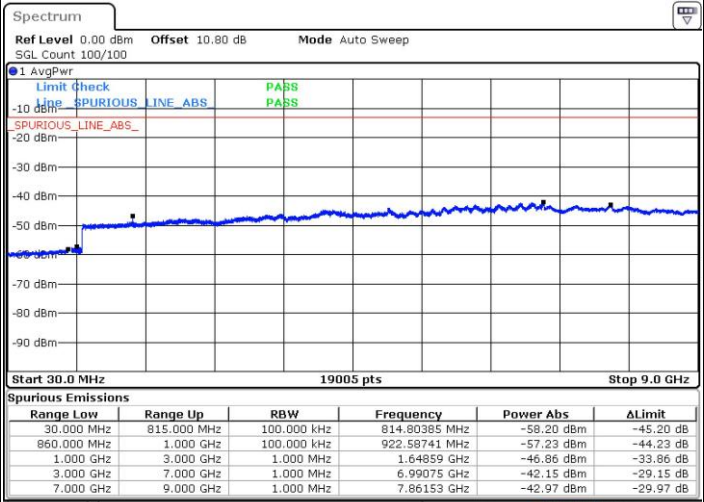
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 19 JUN 2017 19:48:55

Lowest Channel / 16QAM



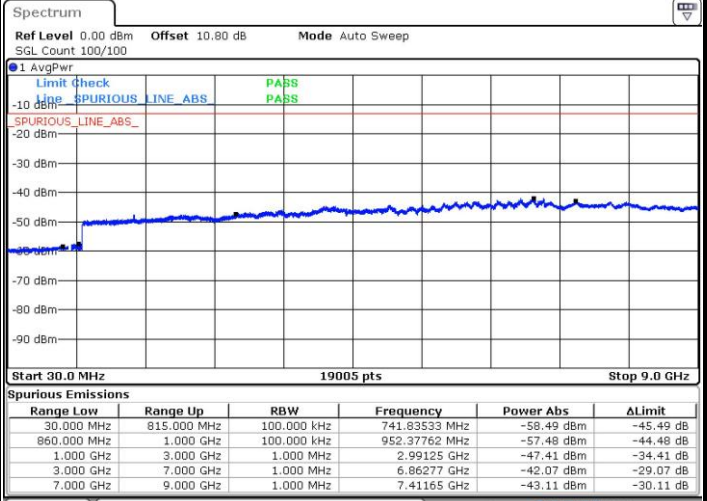
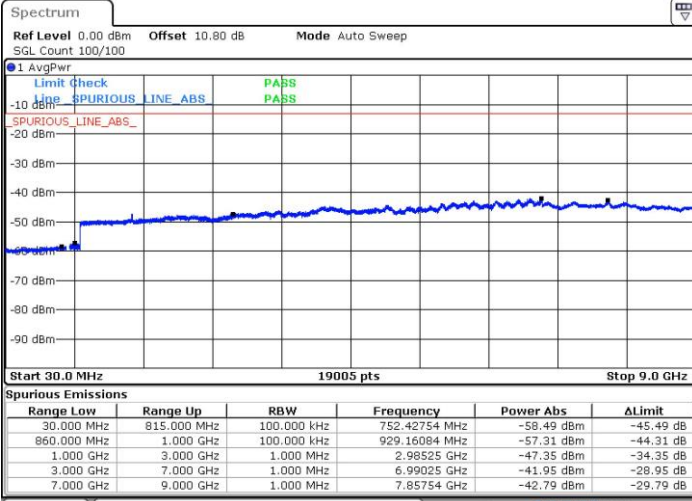
Date: 19 JUN 2017 19:49:50



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

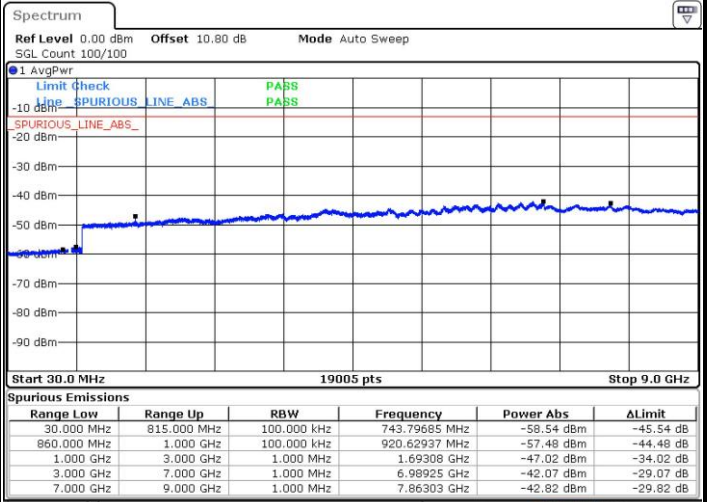
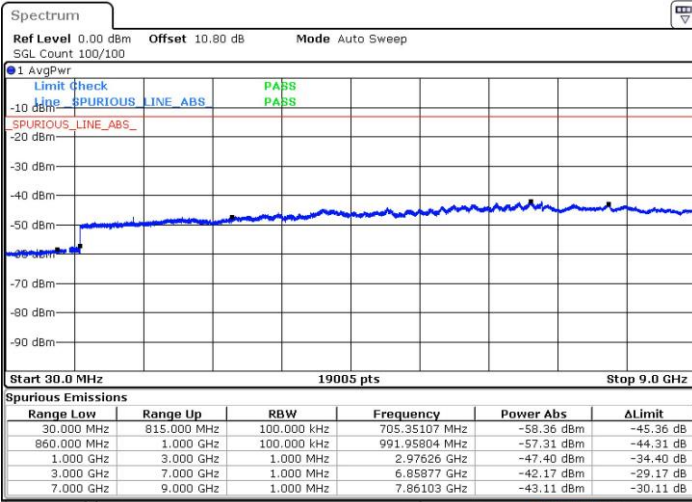


Date: 19 JUN 2017 19:51:25

Date: 19 JUN 2017 19:52:20

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19 JUN 2017 20:00:32

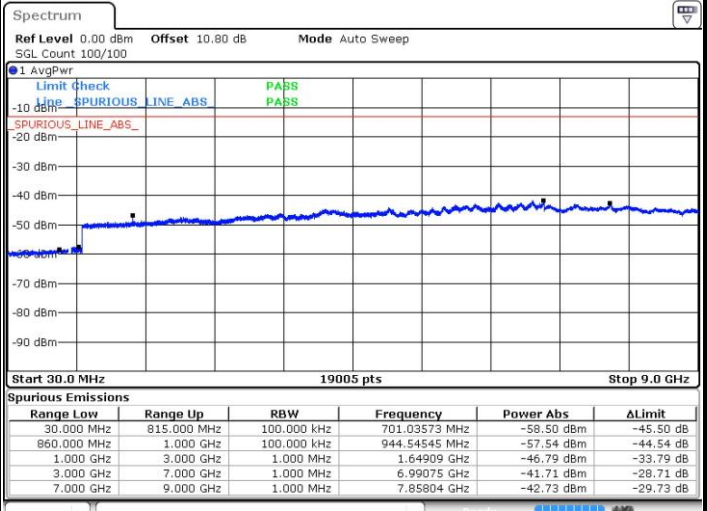
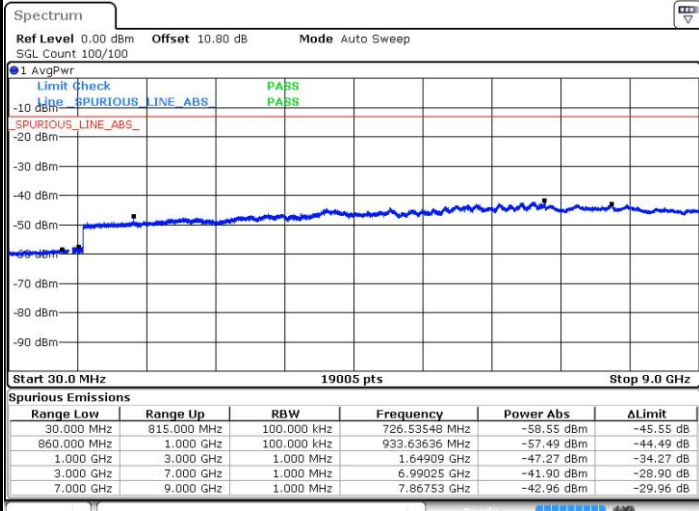
Date: 19 JUN 2017 20:01:26



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

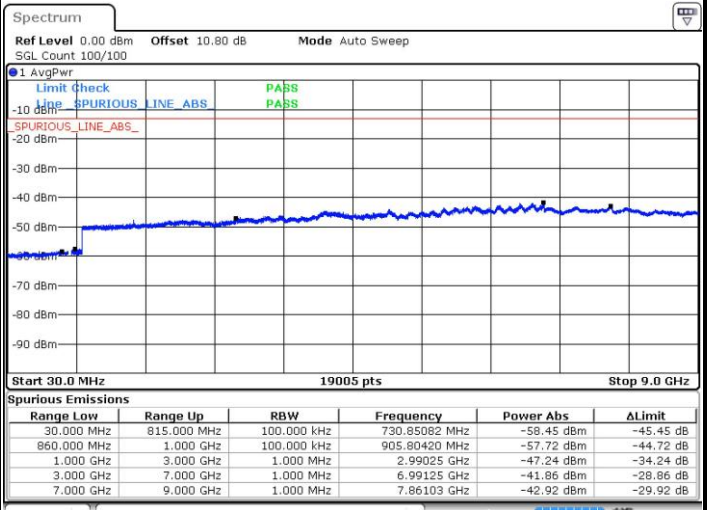
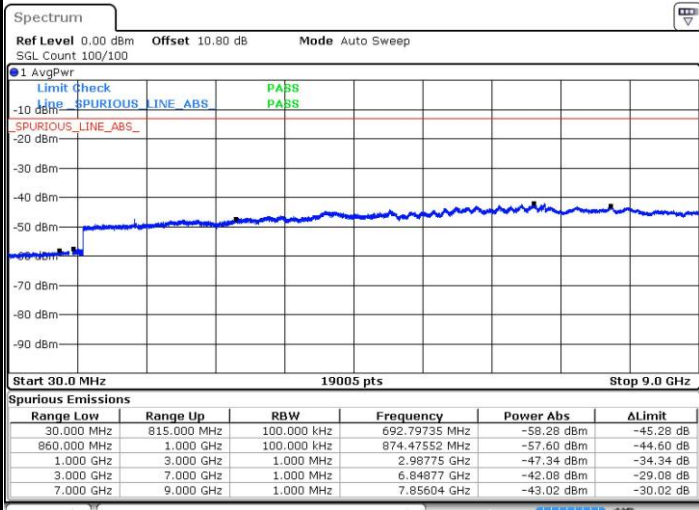


Date: 19 JUN 2017 20:09:38

Date: 19 JUN 2017 20:10:33

Middle Channel / QPSK

Middle Channel / 16QAM



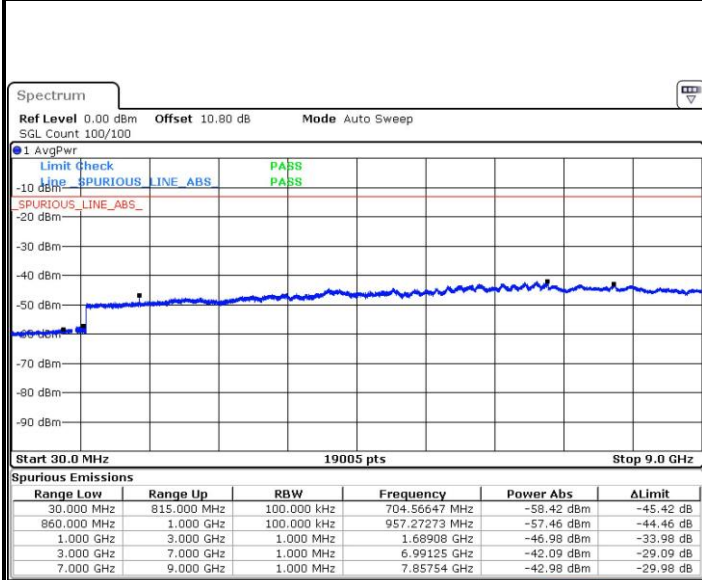
Date: 19 JUN 2017 20:12:09

Date: 19 JUN 2017 20:13:03



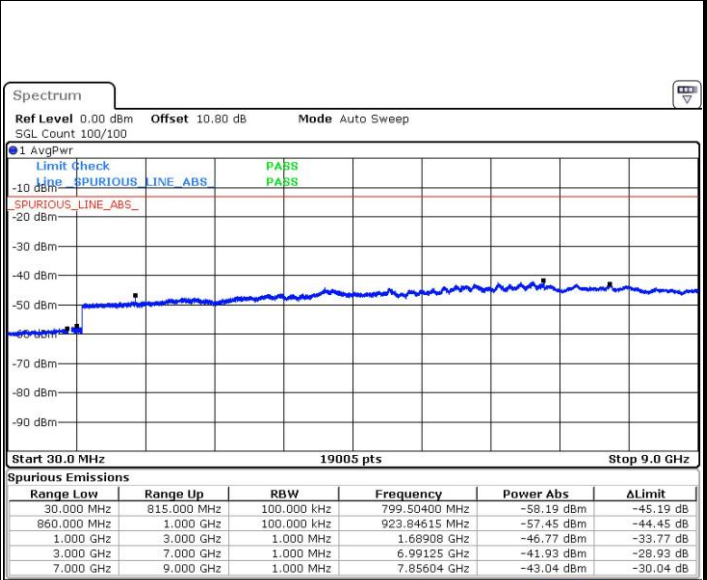
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 19 JUN 2017 20:21:15

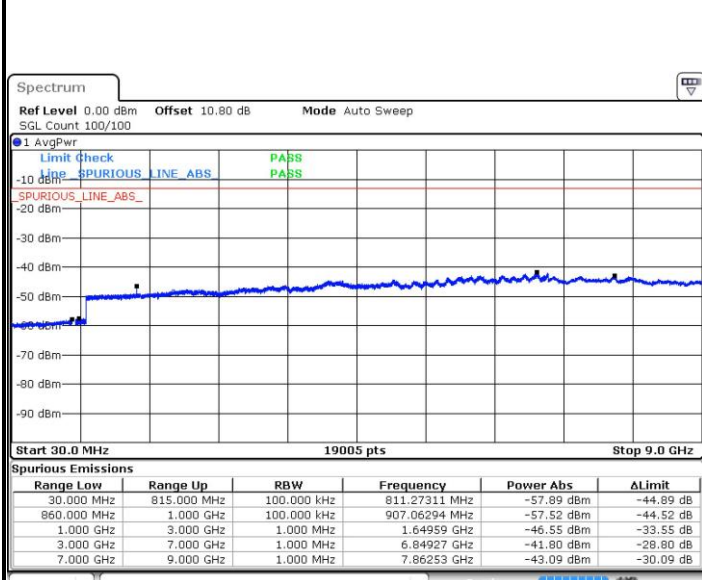
Highest Channel / 16QAM



Date: 19 JUN 2017 20:22:10

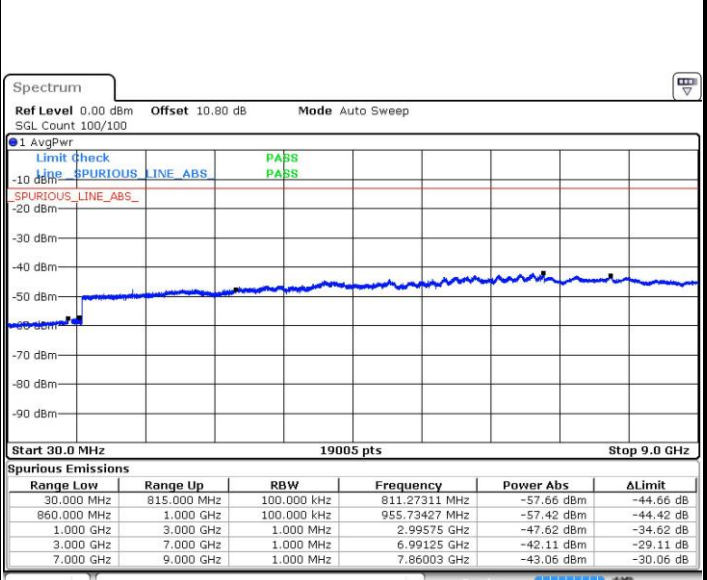
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 19 JUN 2017 20:30:22

Lowest Channel / 16QAM



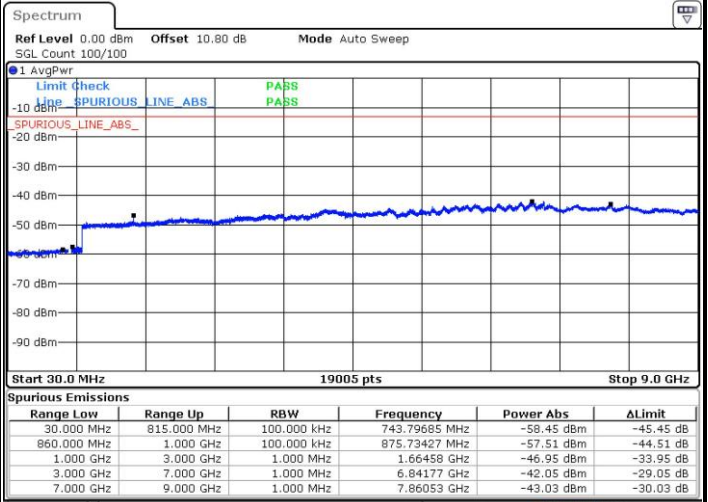
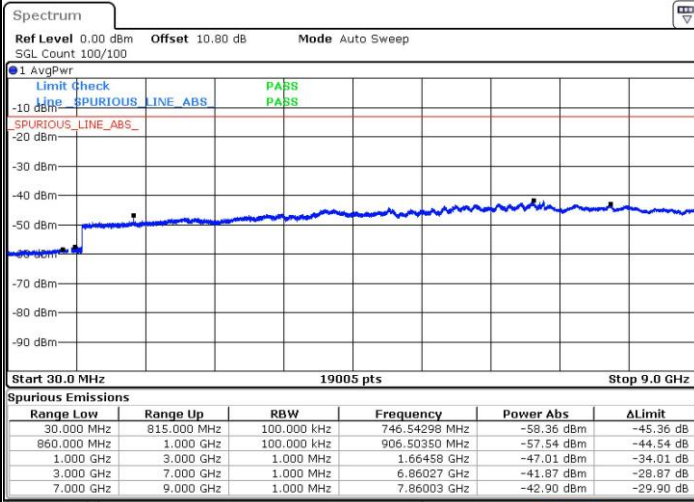
Date: 19 JUN 2017 20:31:16



LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

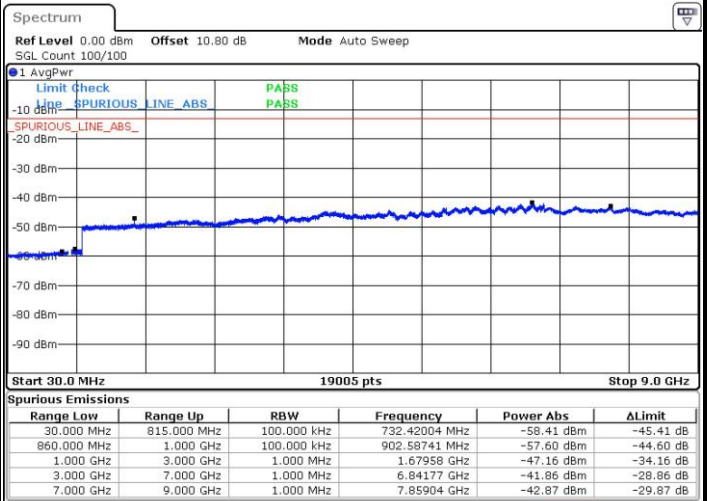
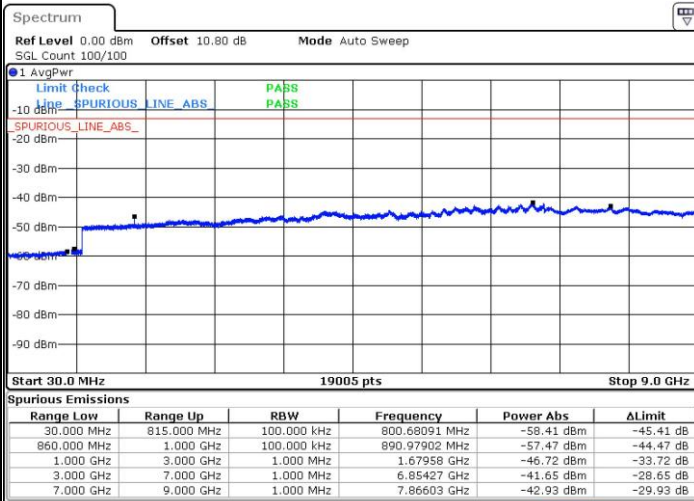


Date: 19 JUN 2017 20:32:52

Date: 19 JUN 2017 20:33:47

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19 JUN 2017 20:41:59

Date: 19 JUN 2017 20:42:54



### 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	0.0024	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0066	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0072	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0071	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0023	

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 7

### Peak-to-Average Ratio

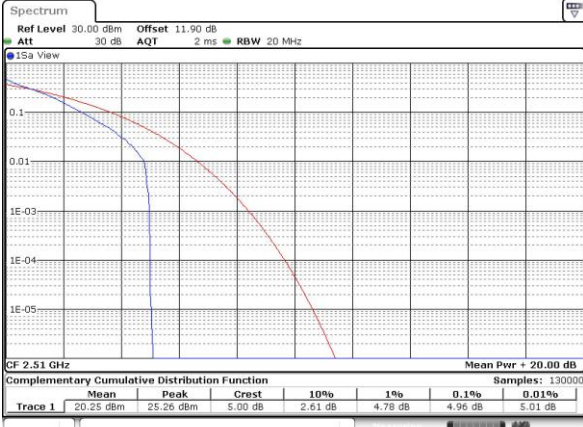
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.96	5.1	5.65	6.09	<b>PASS</b>
Middle CH	5.16	5.13	5.97	6.12	
Highest CH	5.1	5.22	6.17	6.26	





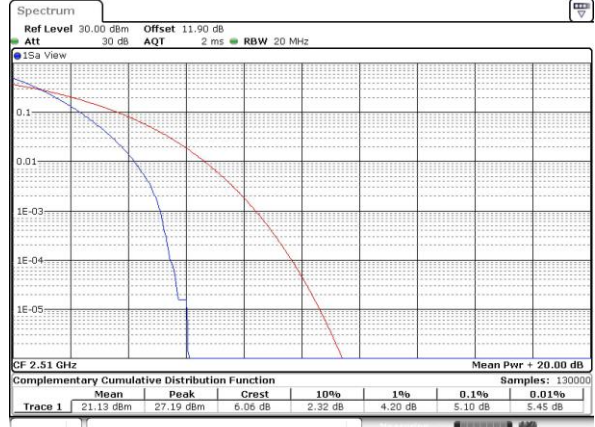
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



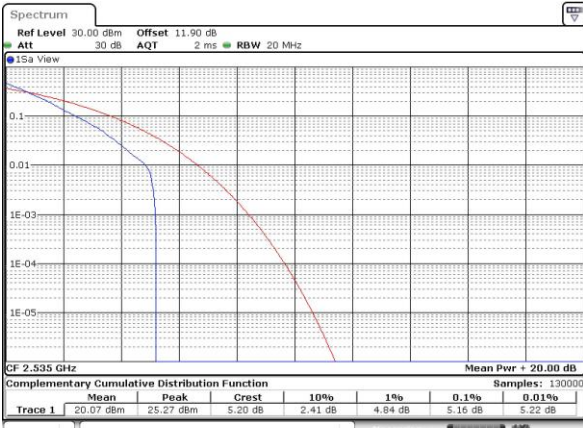
Date: 24 JUN 2017 15:19:20

Lowest Channel / Full RB



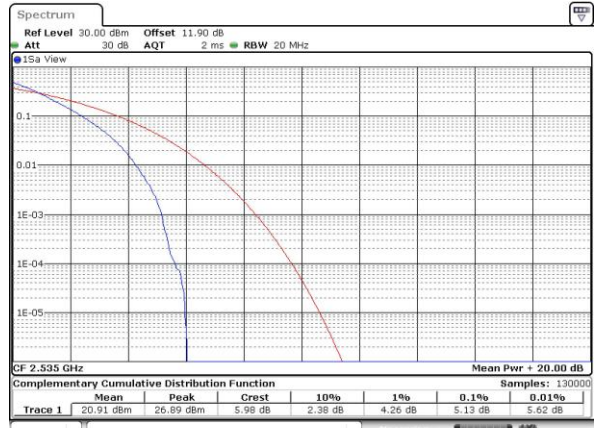
Date: 24 JUN 2017 15:19:29

Middle Channel / 1RB



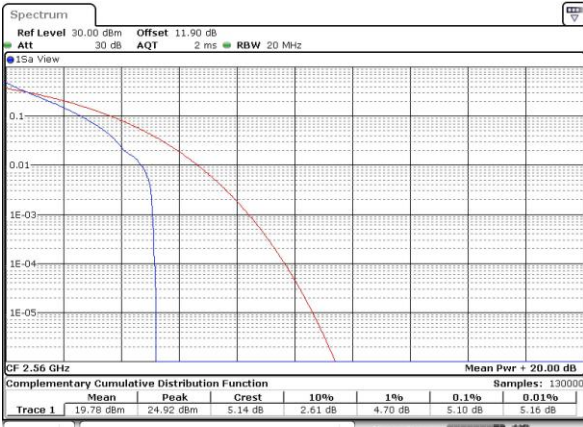
Date: 24 JUN 2017 15:19:43

Middle Channel / Full RB



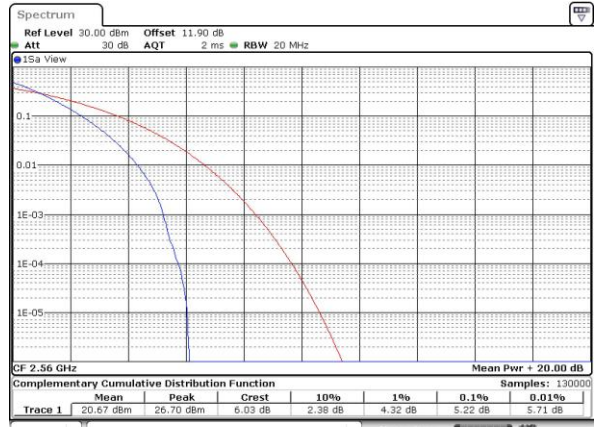
Date: 24 JUN 2017 15:19:53

Highest Channel / 1RB



Date: 24 JUN 2017 15:20:10

Highest Channel / Full RB



Date: 24 JUN 2017 15:20:22



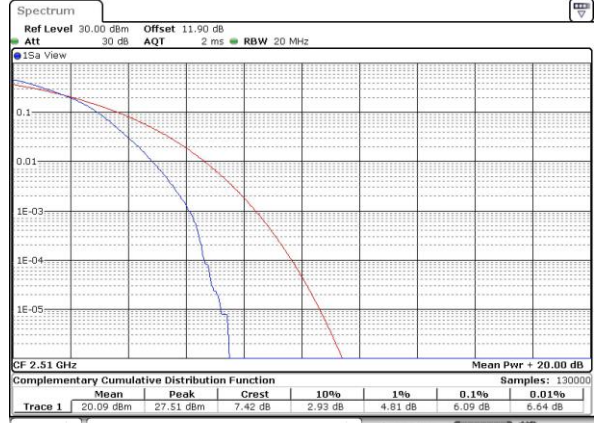
LTE Band 7 / 20MHz / 16QAM

Lowest Channel / 1RB



Date: 24 JUN 2017 15:17:21

Lowest Channel / Full RB



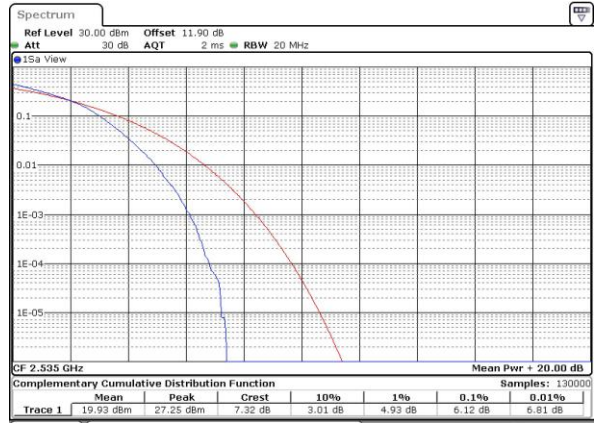
Date: 24 JUN 2017 15:17:31

Middle Channel / 1RB



Date: 24 JUN 2017 15:17:54

Middle Channel / Full RB



Date: 24 JUN 2017 15:18:30

Highest Channel / 1RB



Date: 24 JUN 2017 15:18:59

Highest Channel / Full RB



Date: 24 JUN 2017 15:19:09



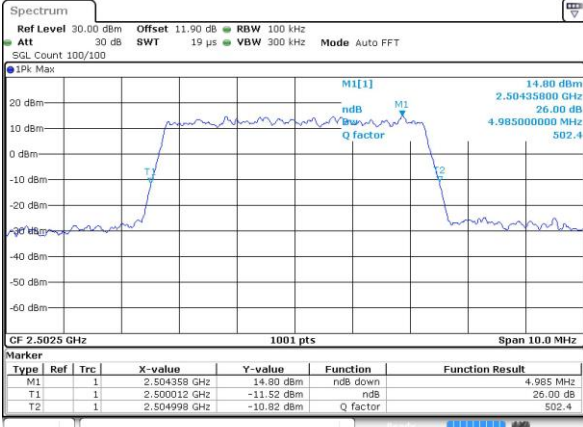
**26dB Bandwidth**

Mode	LTE Band 7 : 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	-	-	-	-	4.99	4.93	9.85	9.95	14.45	14.45	20.10	20.06
Middle CH	-	-	-	-	4.81	4.92	9.85	9.65	14.21	14.33	20.18	20.10
Highest CH	-	-	-	-	4.91	4.91	9.75	9.77	14.36	14.57	20.14	20.34



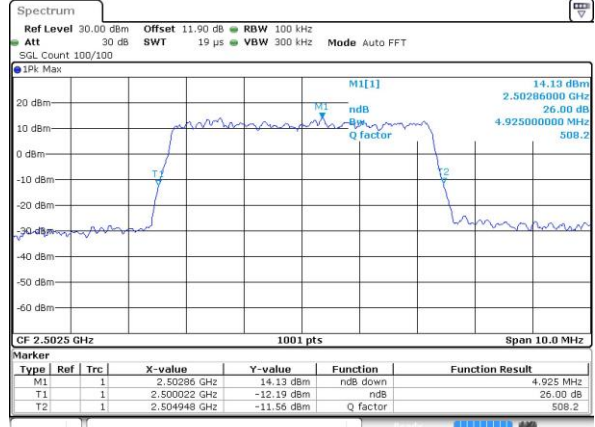
LTE Band 7

Lowest Channel / 5MHz / QPSK



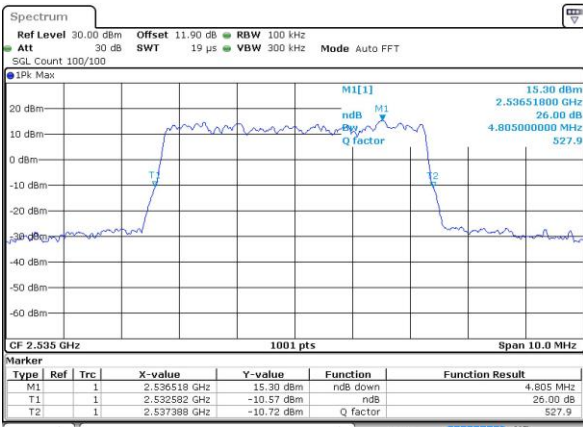
Date: 24 JUN 2017 14:08:51

Lowest Channel / 5MHz / 16QAM



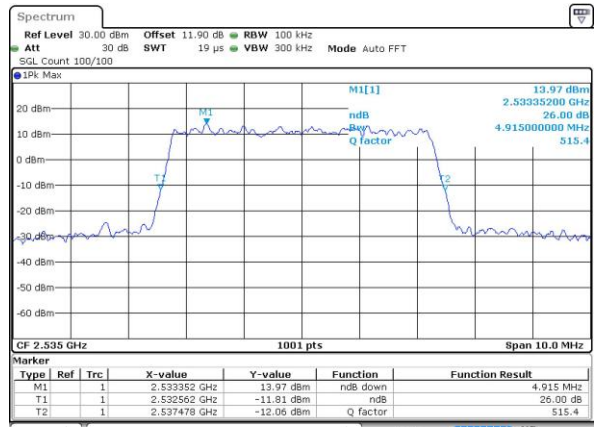
Date: 24 JUN 2017 14:09:02

Middle Channel / 5MHz / QPSK



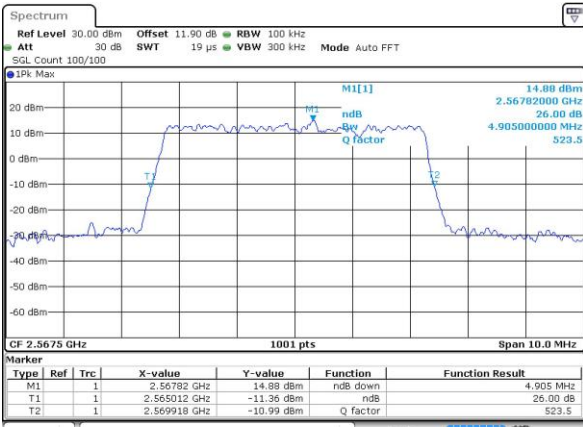
Date: 24 JUN 2017 14:16:00

Middle Channel / 5MHz / 16QAM



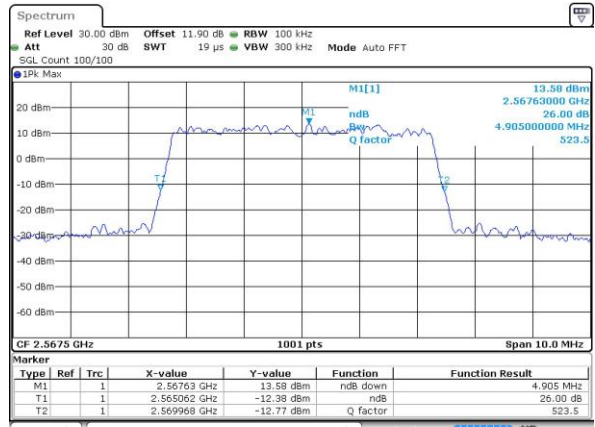
Date: 24 JUN 2017 14:16:10

Highest Channel / 5MHz / QPSK



Date: 24 JUN 2017 14:18:29

Highest Channel / 5MHz / 16QAM



Date: 24 JUN 2017 14:18:40