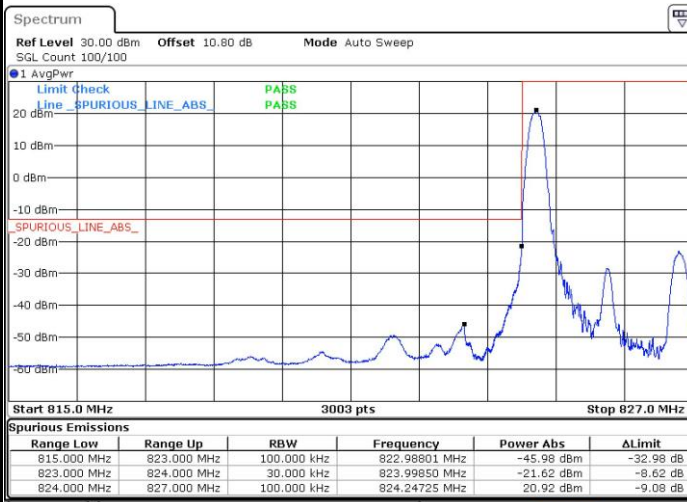




LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



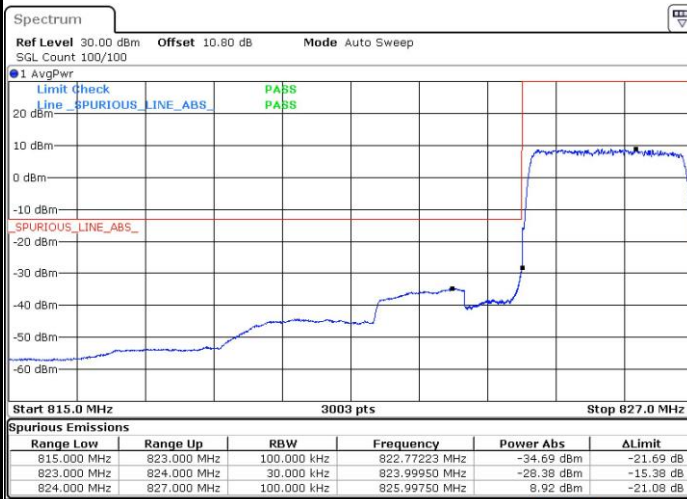
Date: 6 APR 2017 19:50:33

Highest Band Edge / 1 RB



Date: 6 APR 2017 20:02:09

Lowest Band Edge / Full RB



Date: 6 APR 2017 19:53:51

Highest Band Edge / Full RB

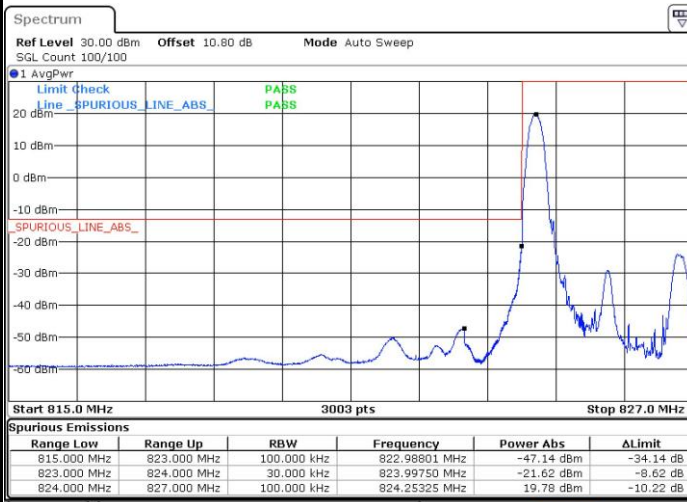


Date: 6 APR 2017 20:05:27



LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



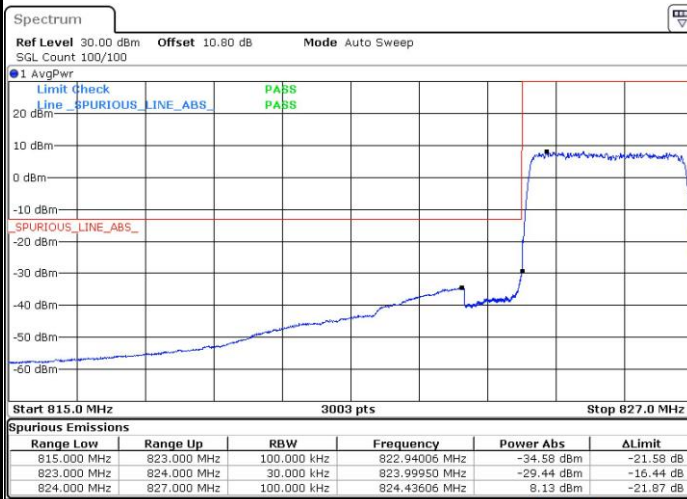
Date: 6 APR 2017 19:52:12

Highest Band Edge / 1 RB



Date: 6 APR 2017 20:03:48

Lowest Band Edge / Full RB



Date: 6 APR 2017 19:55:30

Highest Band Edge / Full RB

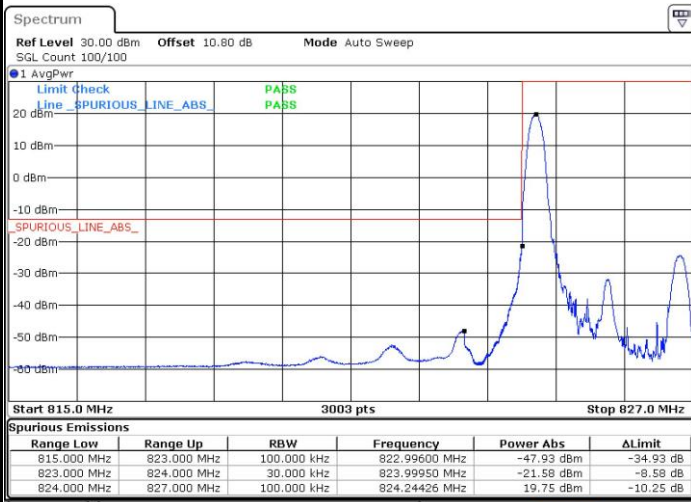


Date: 6 APR 2017 20:07:06



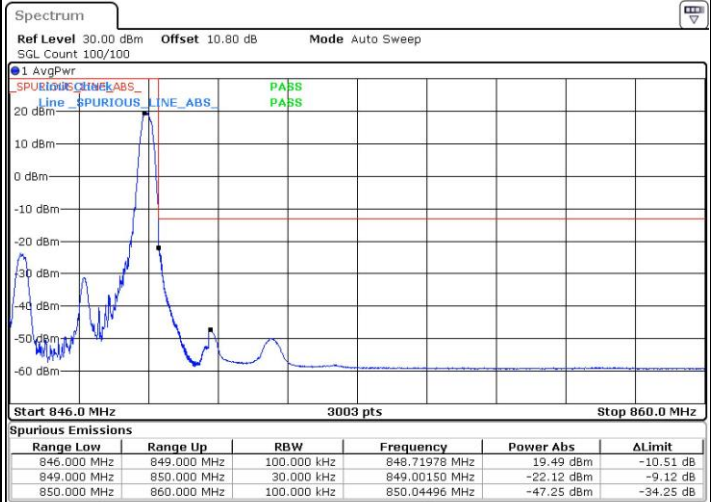
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



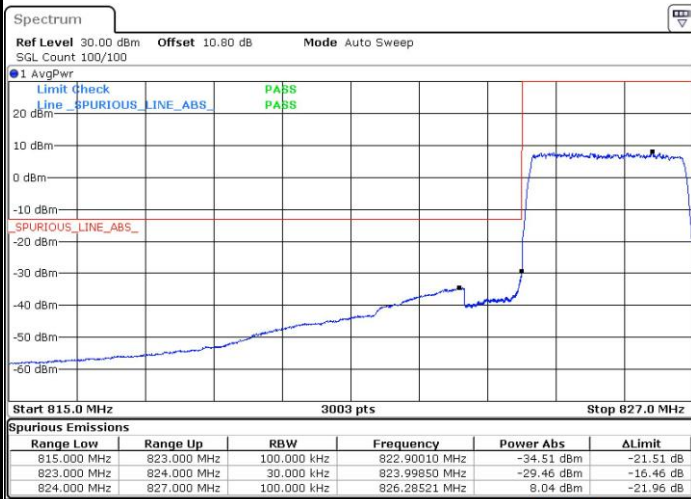
Date: 27.APR.2017 14:58:16

Highest Band Edge / 1 RB



Date: 27.APR.2017 15:04:04

Lowest Band Edge / Full RB



Date: 27.APR.2017 14:59:55

Highest Band Edge / Full RB

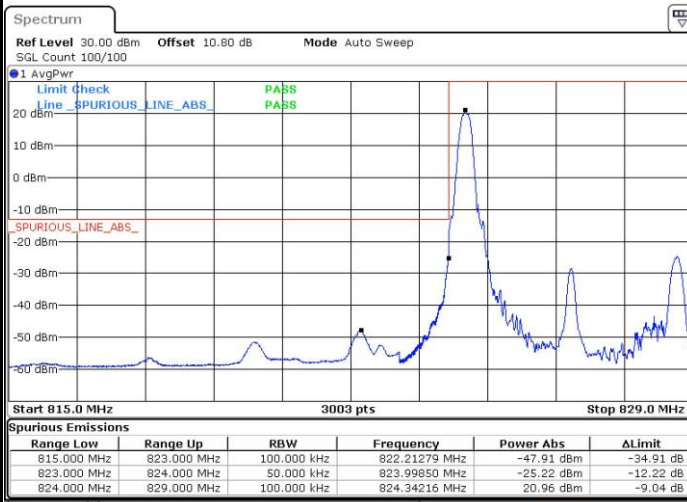


Date: 27.APR.2017 15:05:43



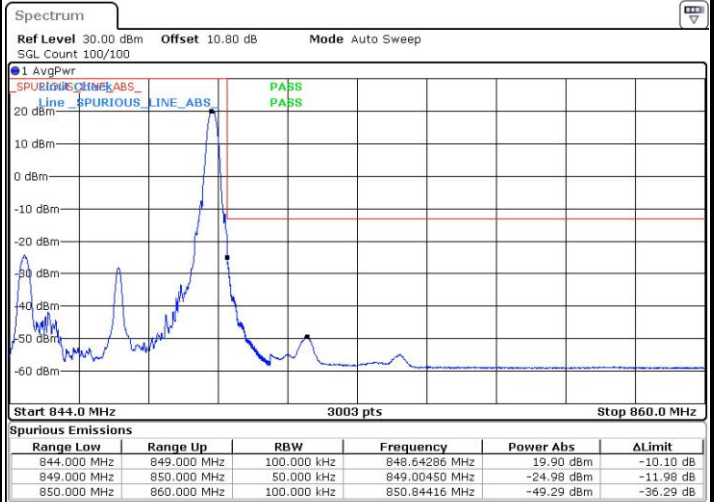
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



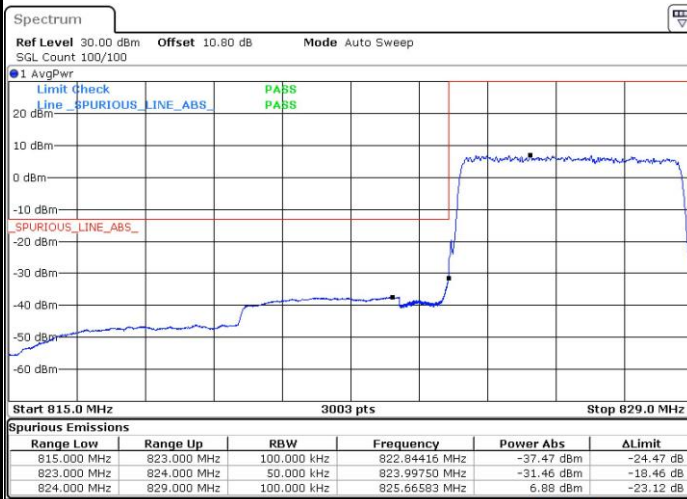
Date: 6 APR 2017 20:11:16

Highest Band Edge / 1 RB



Date: 6 APR 2017 20:22:52

Lowest Band Edge / Full RB



Date: 6 APR 2017 20:14:34

Highest Band Edge / Full RB

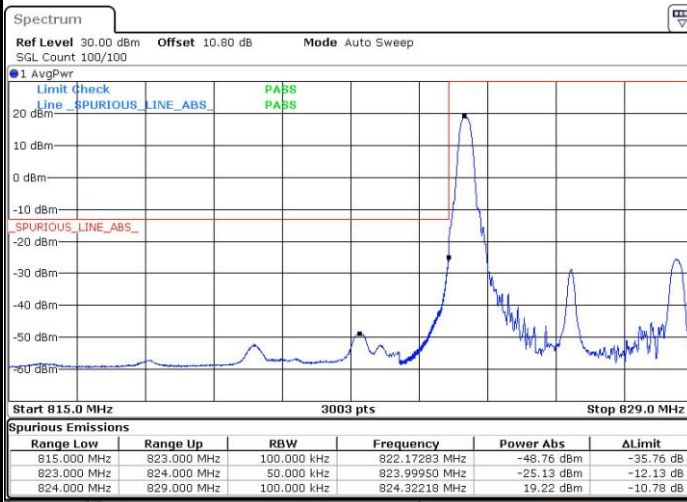


Date: 6 APR 2017 20:26:10



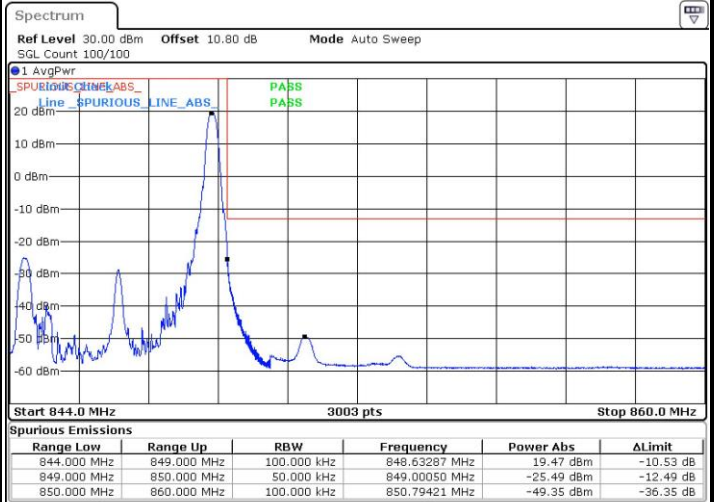
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



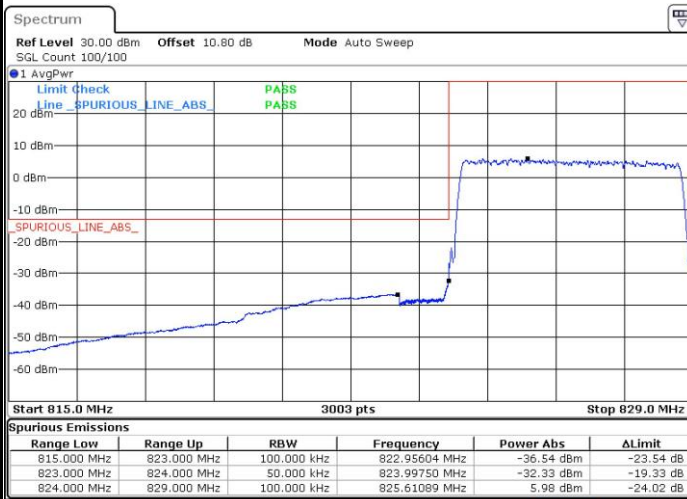
Date: 6 APR 2017 20:12:55

Highest Band Edge / 1 RB



Date: 6 APR 2017 20:24:31

Lowest Band Edge / Full RB



Date: 6 APR 2017 20:16:13

Highest Band Edge / Full RB

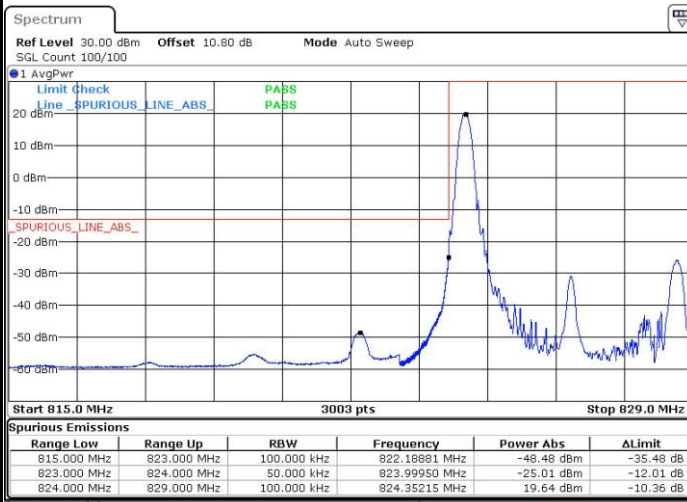


Date: 6 APR 2017 20:27:49



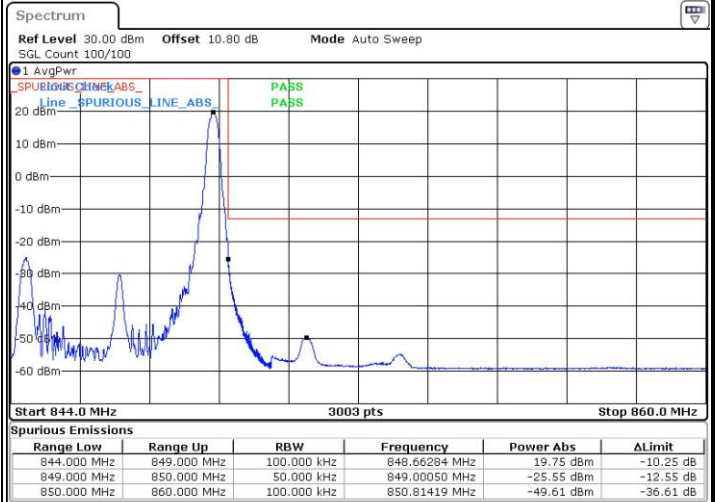
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



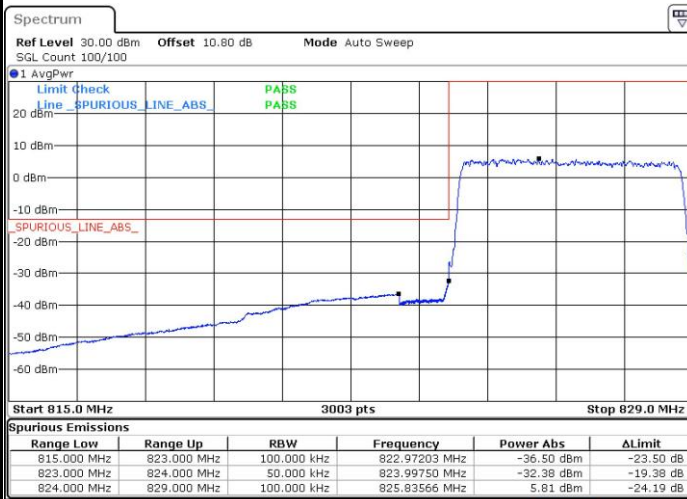
Date: 27.APR.2017 15:08:38

Highest Band Edge / 1 RB



Date: 27.APR.2017 15:14:26

Lowest Band Edge / Full RB



Date: 27.APR.2017 15:10:17

Highest Band Edge / Full RB

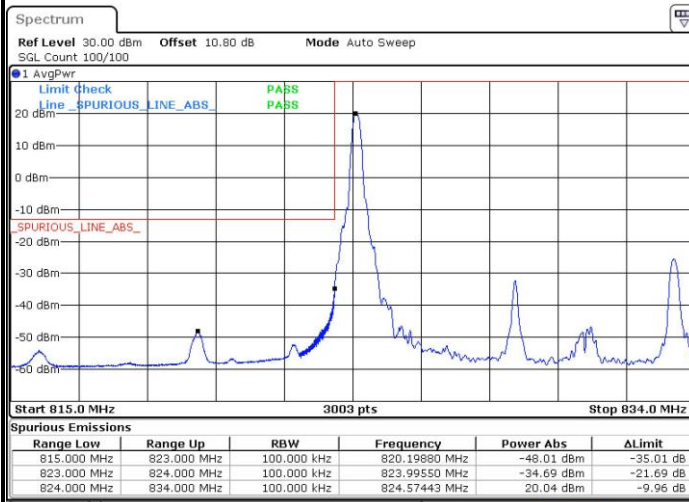


Date: 27.APR.2017 15:16:05



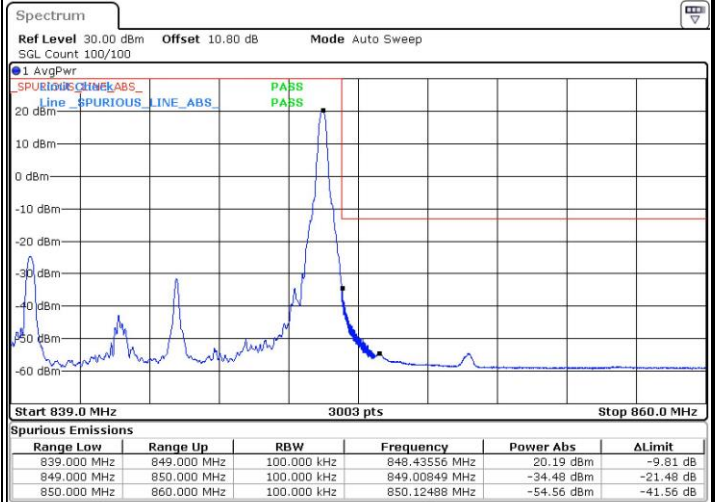
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



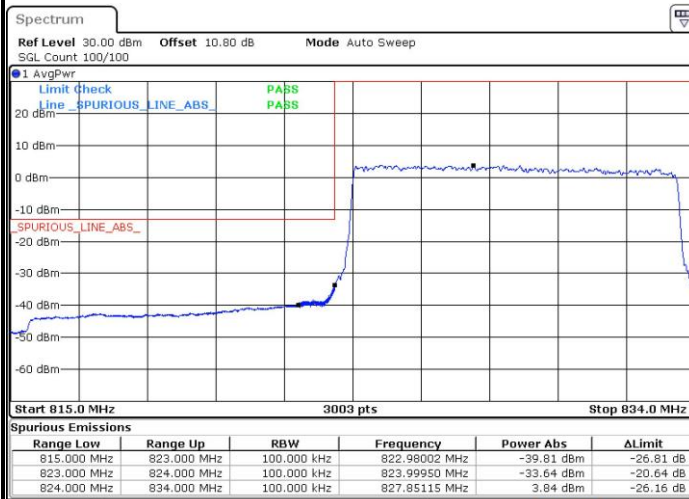
Date: 6 APR 2017 20:31:58

Highest Band Edge / 1 RB



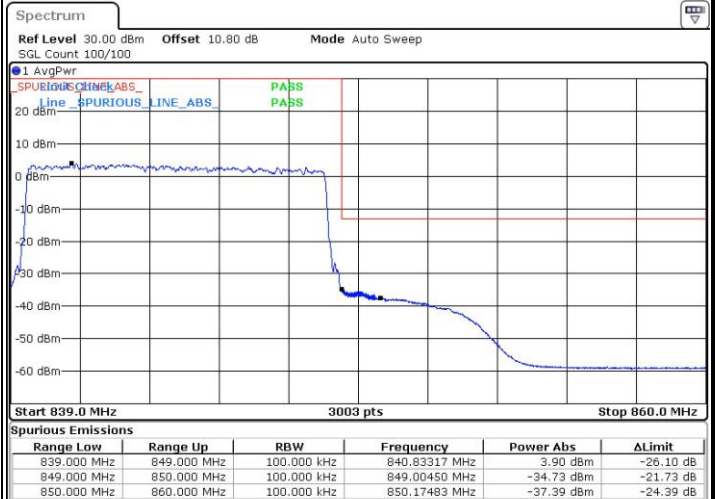
Date: 6 APR 2017 20:43:34

Lowest Band Edge / Full RB



Date: 6 APR 2017 20:35:16

Highest Band Edge / Full RB

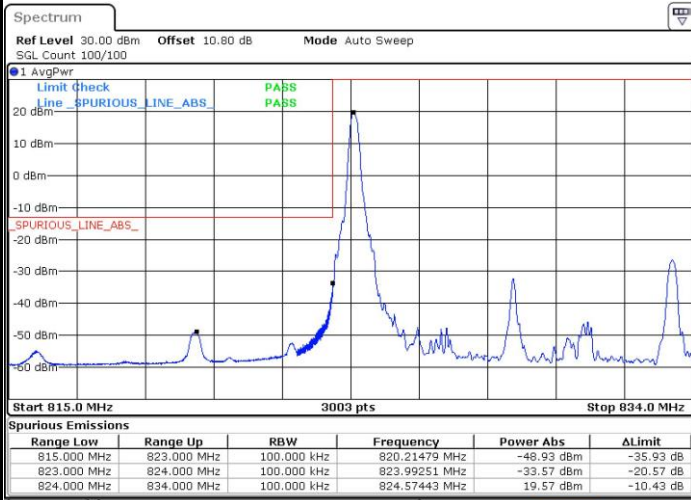


Date: 6 APR 2017 20:46:52



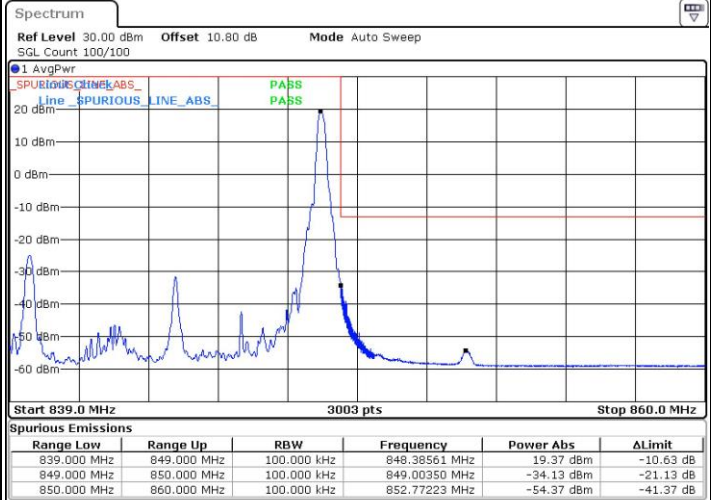
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



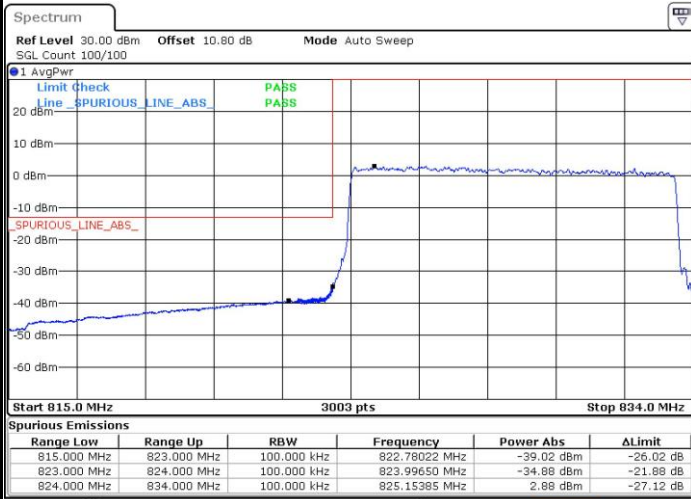
Date: 6 APR 2017 20:33:37

Highest Band Edge / 1 RB



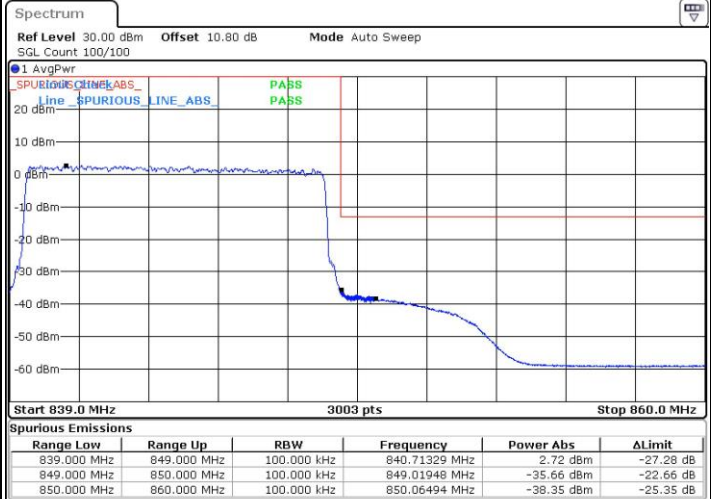
Date: 6 APR 2017 20:45:13

Lowest Band Edge / Full RB



Date: 6 APR 2017 20:36:55

Highest Band Edge / Full RB

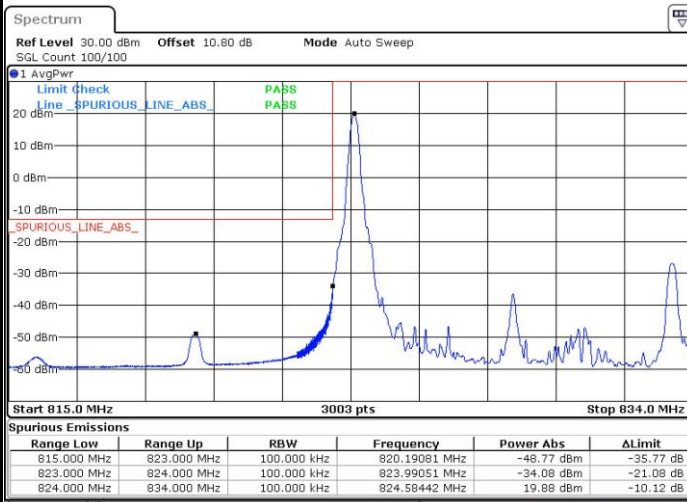


Date: 6 APR 2017 20:48:31



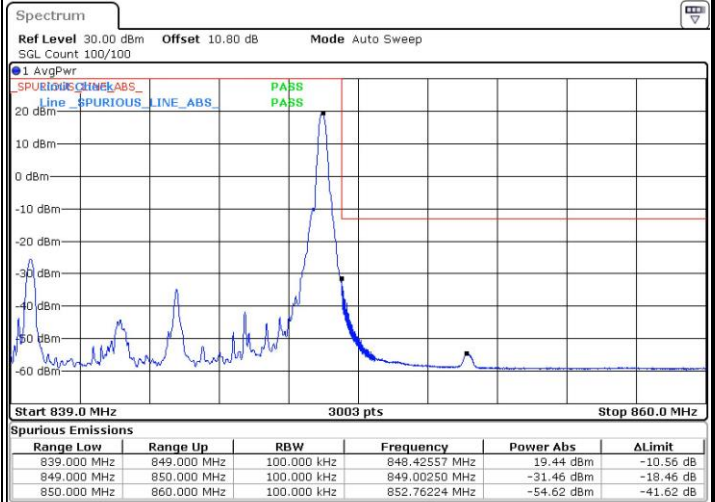
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



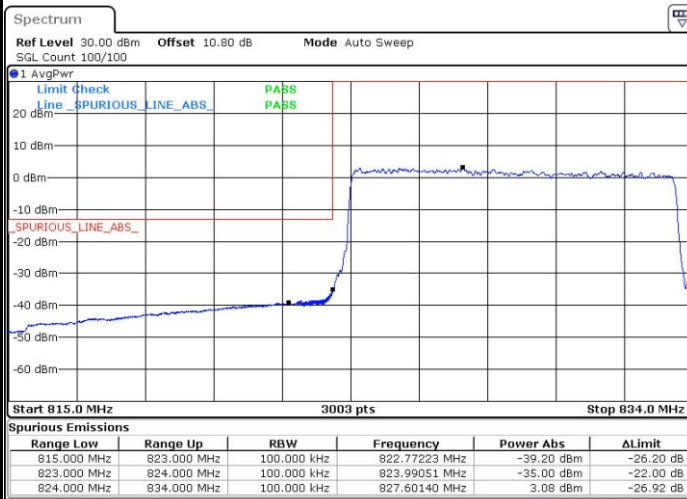
Date: 27.APR.2017 15:18:59

Highest Band Edge / 1 RB



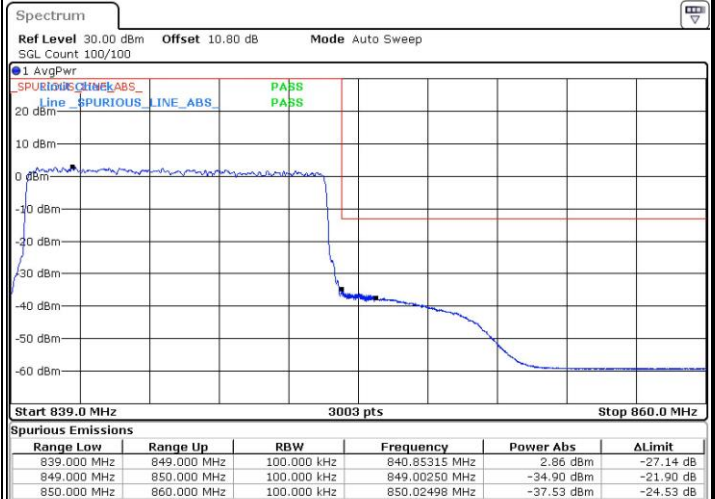
Date: 27.APR.2017 15:24:48

Lowest Band Edge / Full RB



Date: 27.APR.2017 15:20:39

Highest Band Edge / Full RB



Date: 27.APR.2017 15:26:27



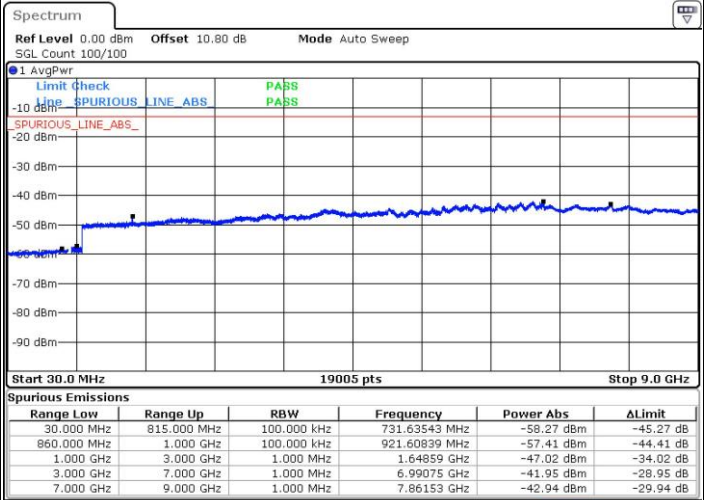
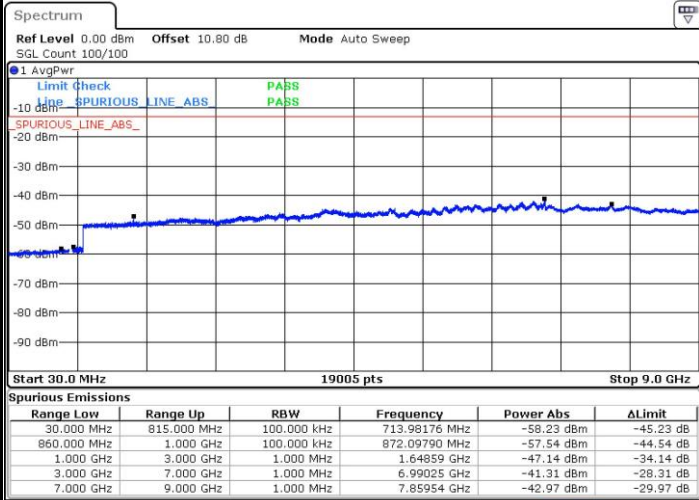
**Conducted Spurious Emission**



LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

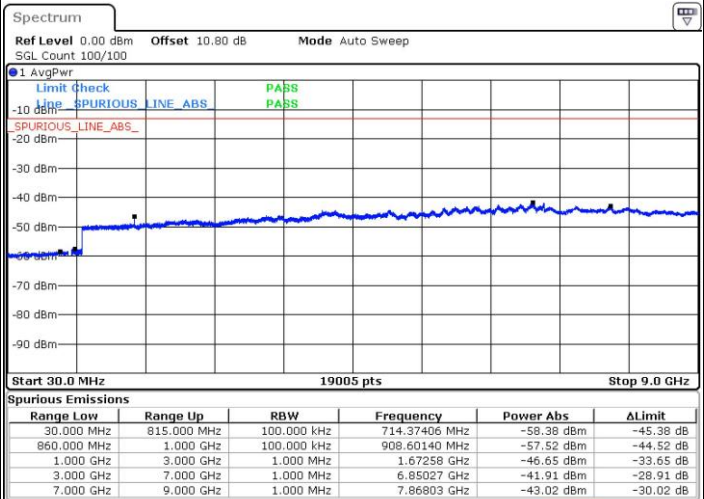
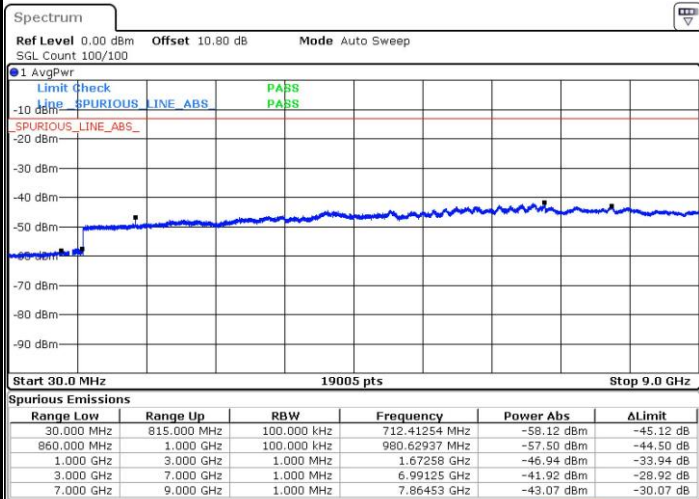


Date: 6 APR 2017 21:00:01

Date: 6 APR 2017 21:00:55

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 6 APR 2017 21:02:31

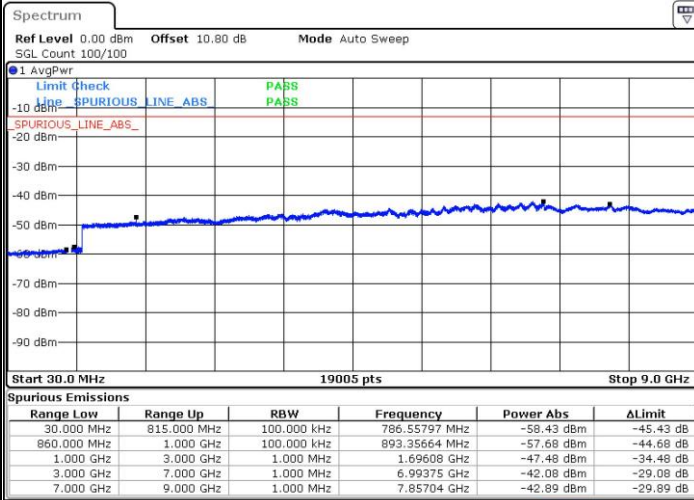
Date: 6 APR 2017 21:03:25



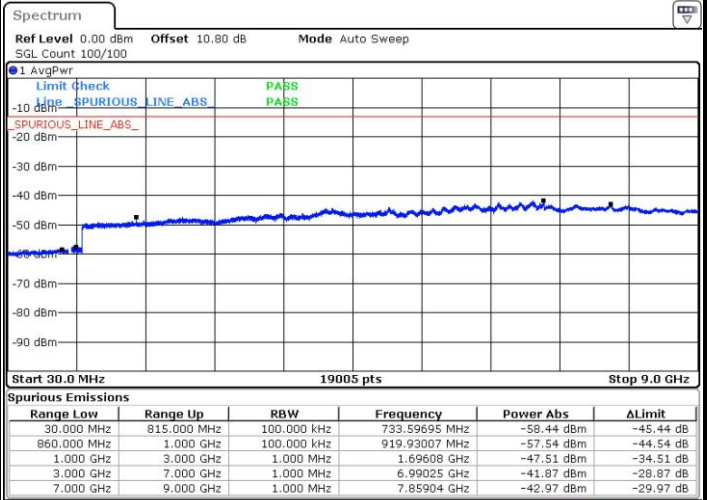
LTE Band 5 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 APR 2017 21:11:39

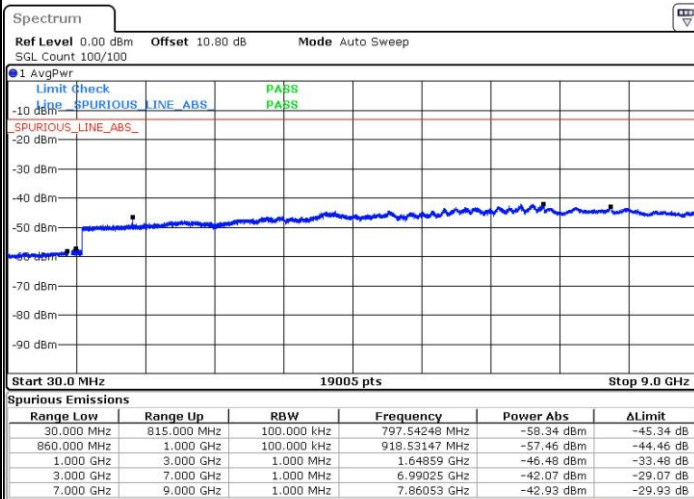


Date: 6 APR 2017 21:12:33

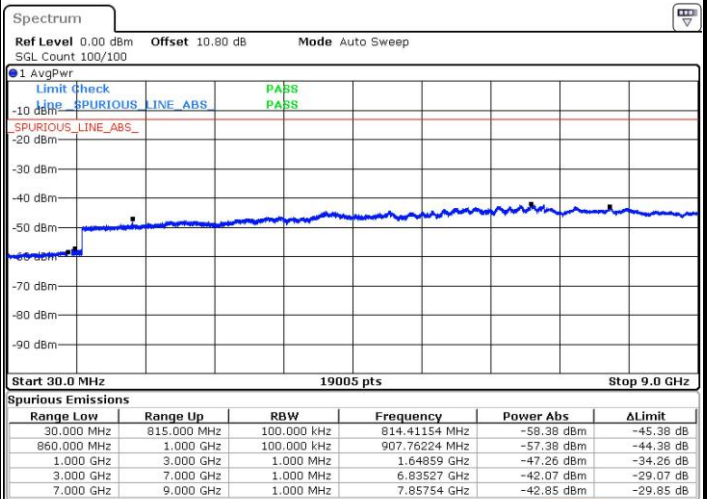
LTE Band 5 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 6 APR 2017 19:56:25



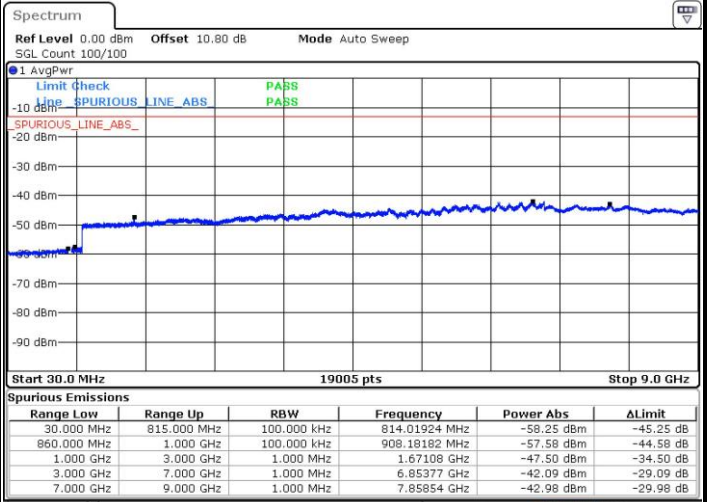
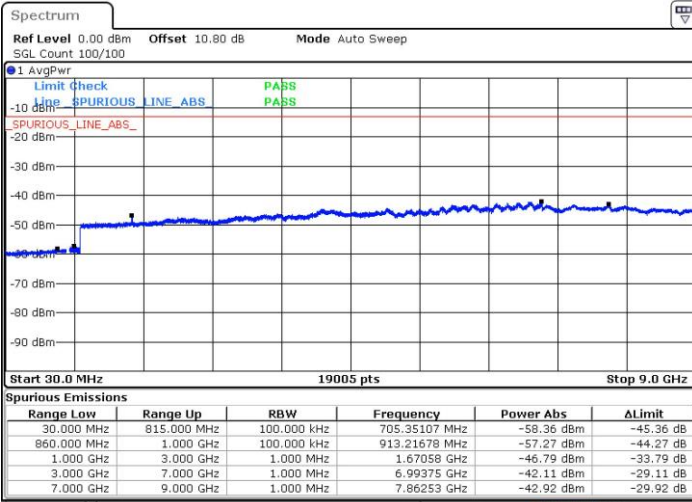
Date: 6 APR 2017 19:57:19



LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

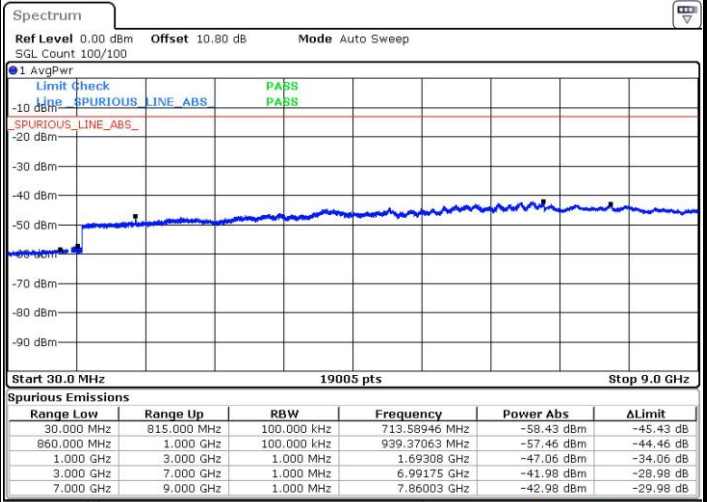
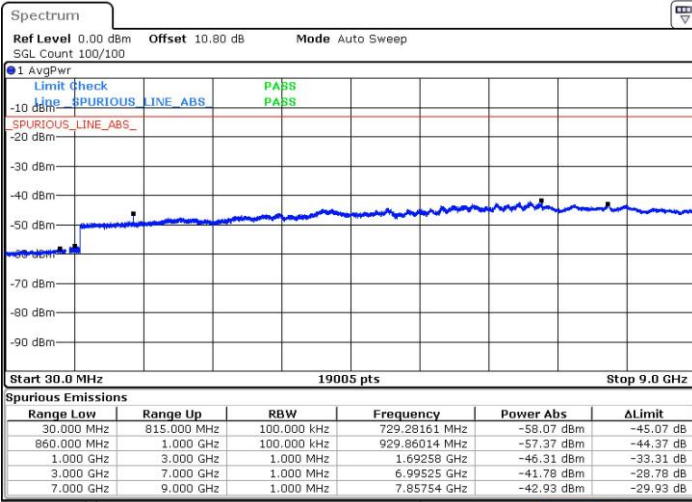


Date: 6 APR 2017 19:58:55

Date: 6 APR 2017 19:59:49

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 6 APR 2017 20:08:01

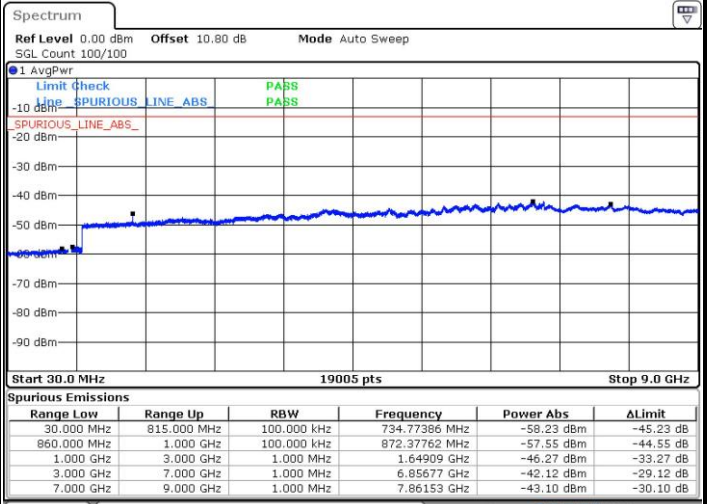
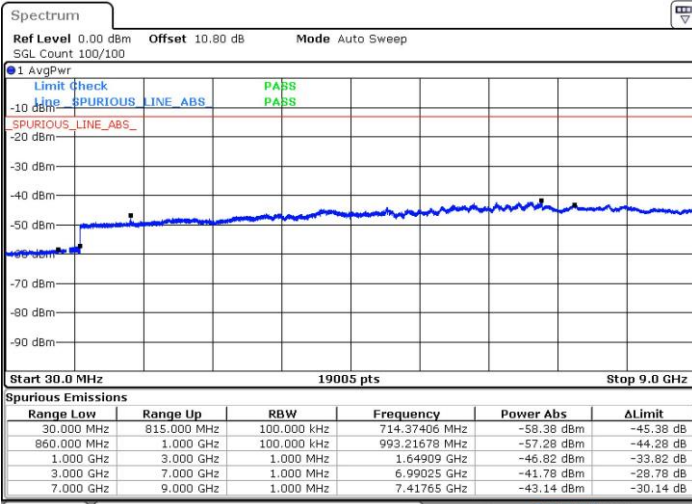
Date: 6 APR 2017 20:08:55



LTE Band 5 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

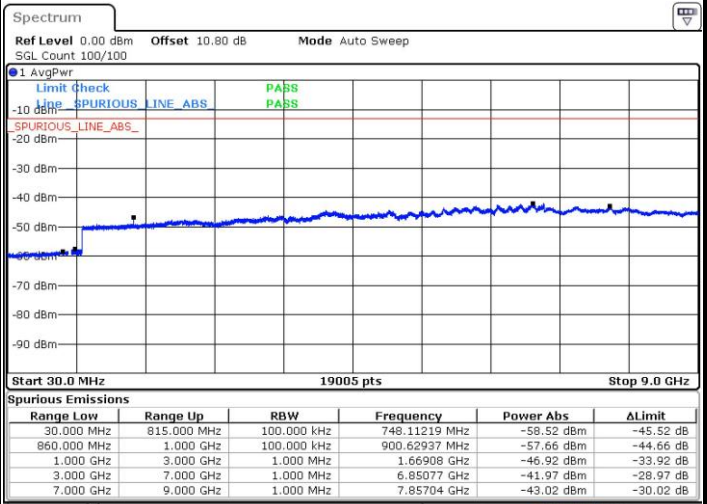
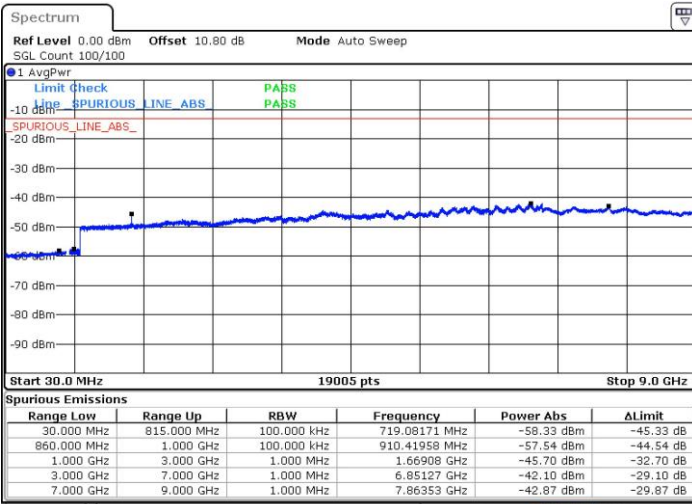


Date: 6 APR 2017 20:17:08

Date: 6 APR 2017 20:18:02

Middle Channel / QPSK

Middle Channel / 16QAM



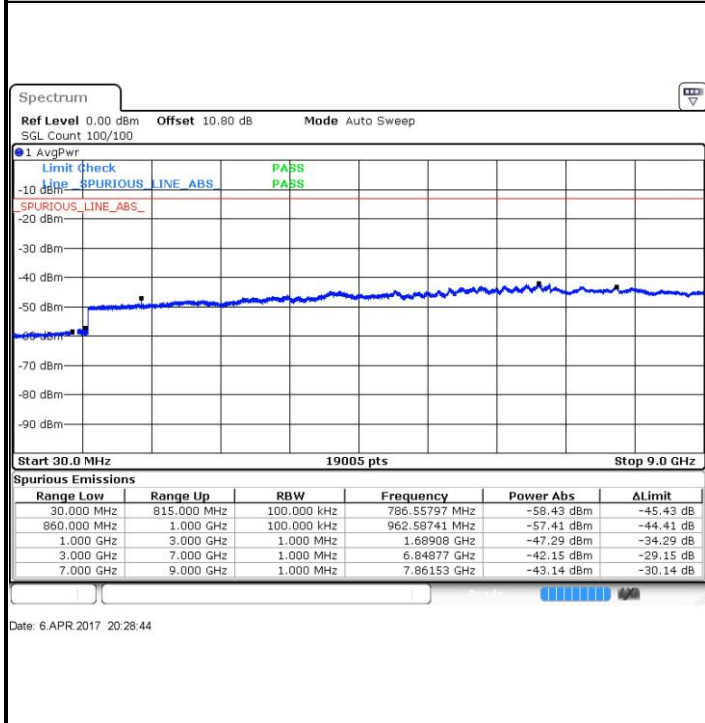
Date: 6 APR 2017 20:19:38

Date: 6 APR 2017 20:20:32

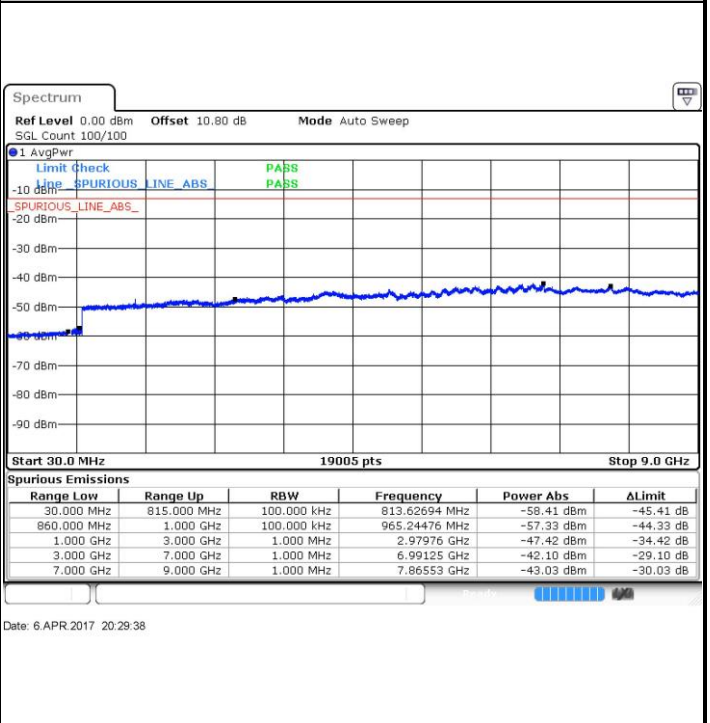


**LTE Band 5 / 5MHz**

**Highest Channel / QPSK**

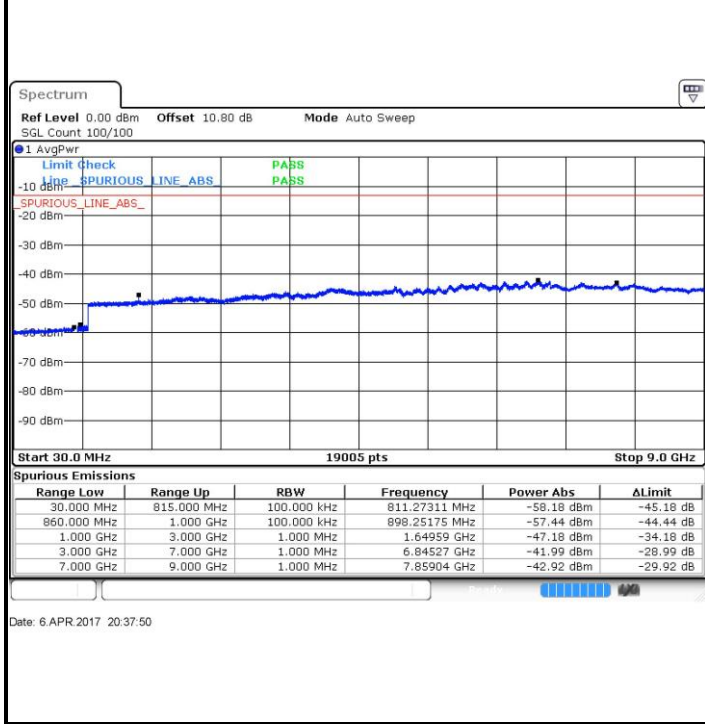


**Highest Channel / 16QAM**

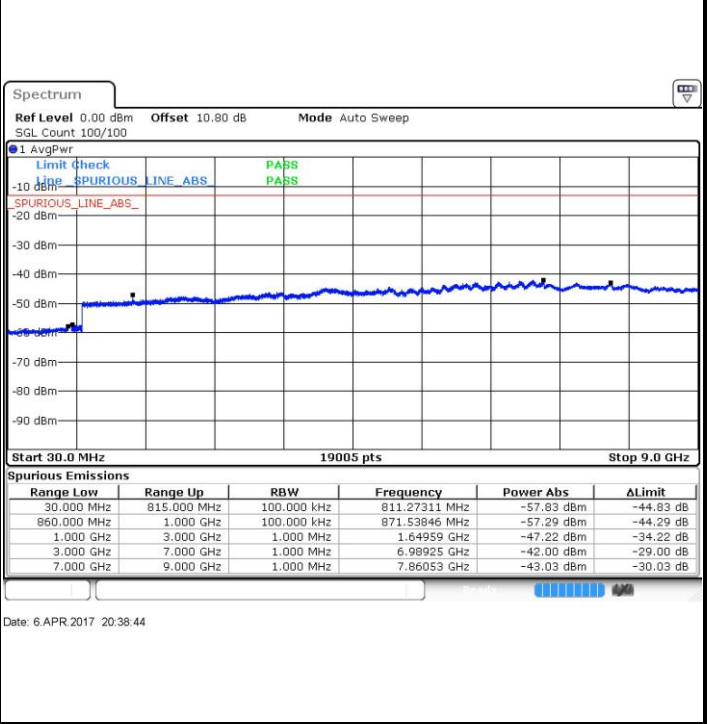


**LTE Band 5 / 10MHz**

**Lowest Channel / QPSK**



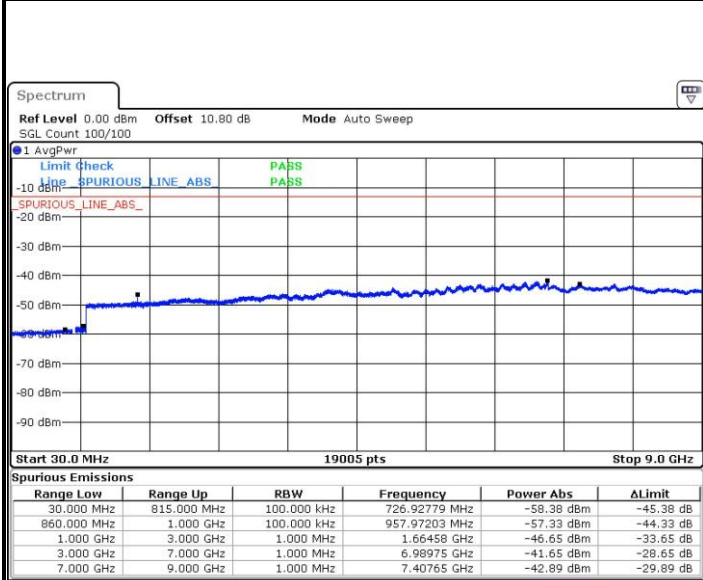
**Lowest Channel / 16QAM**





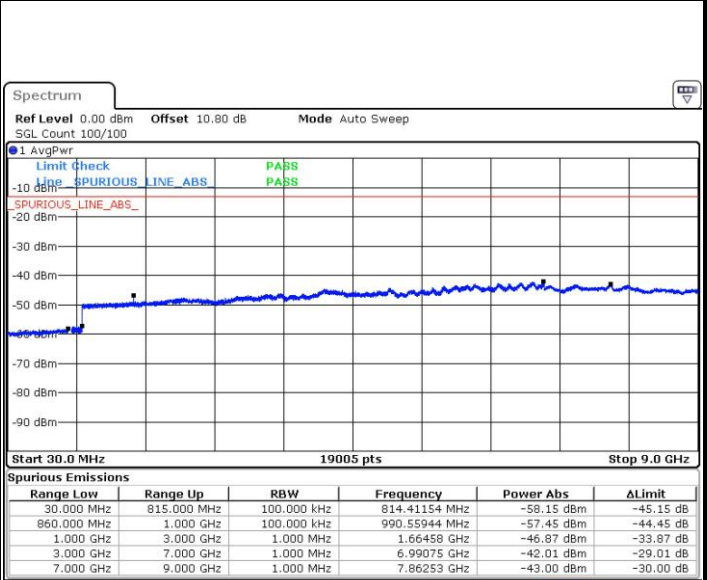
LTE Band 5 / 10MHz

Middle Channel / QPSK



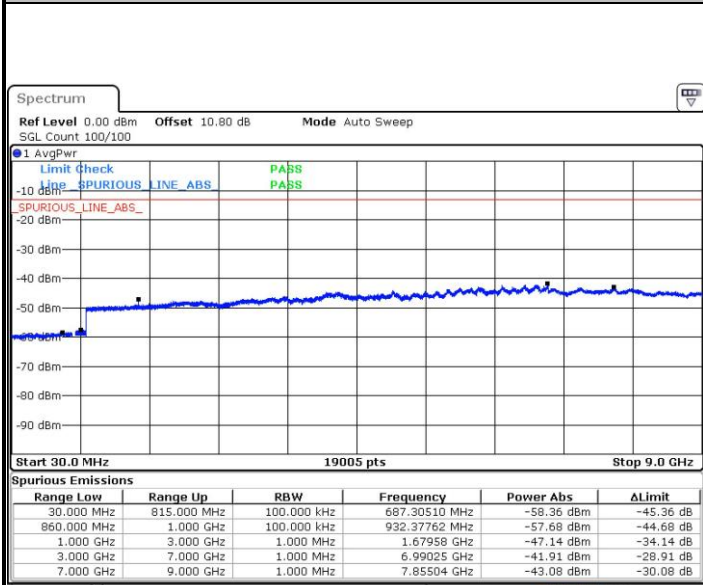
Date: 6 APR 2017 20:40:20

Middle Channel / 16QAM



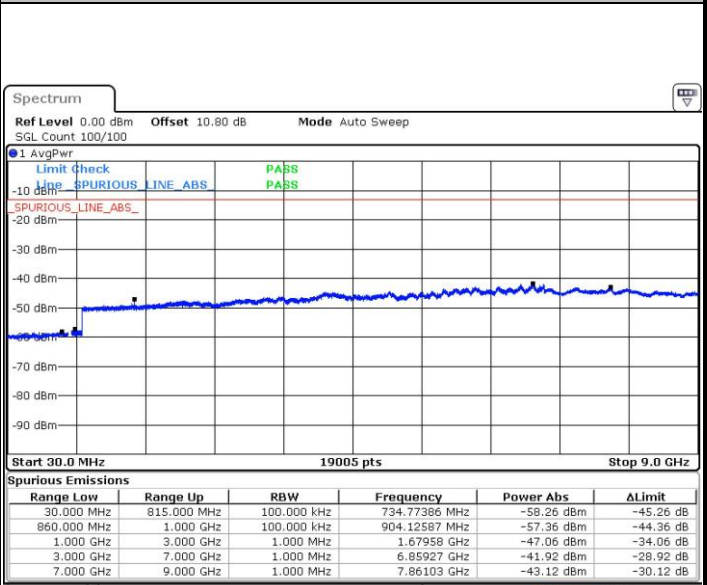
Date: 6 APR 2017 20:41:14

Highest Channel / QPSK



Date: 6 APR 2017 20:49:26

Highest Channel / 16QAM

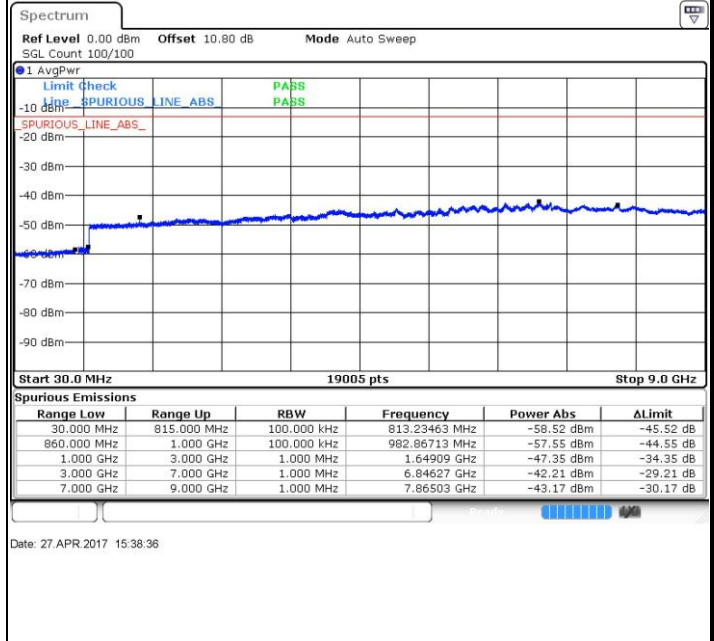


Date: 6 APR 2017 20:50:20

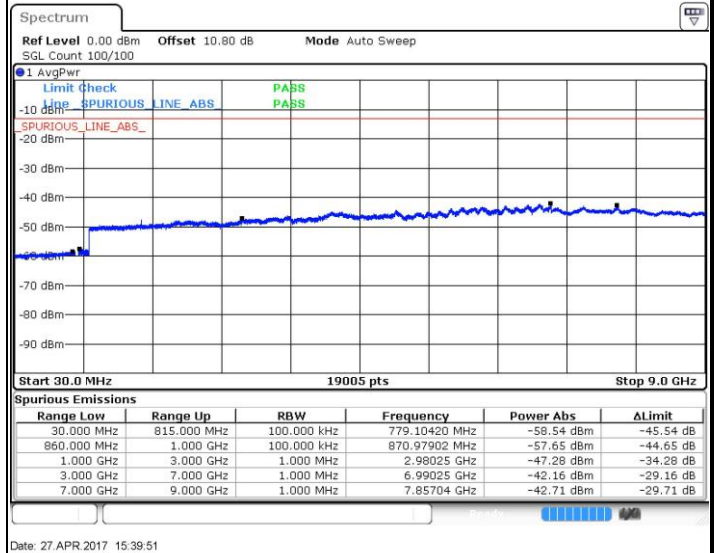


LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM



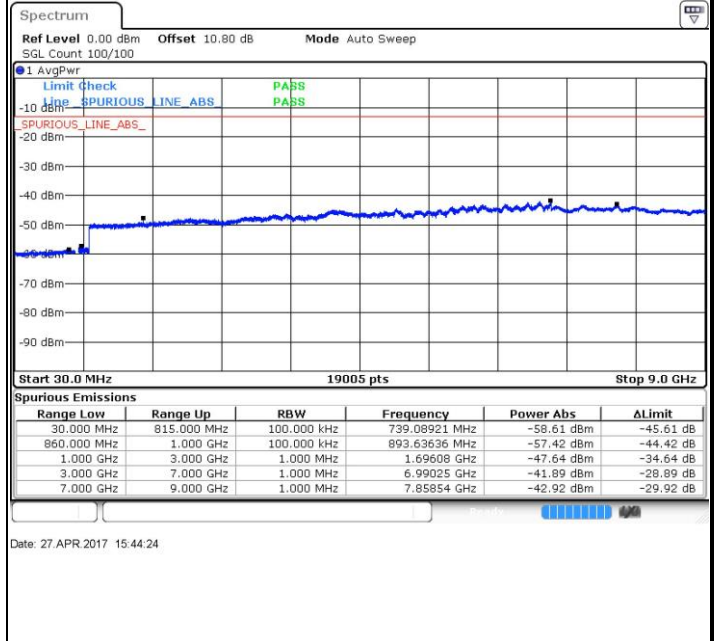
Middle Channel / 64QAM





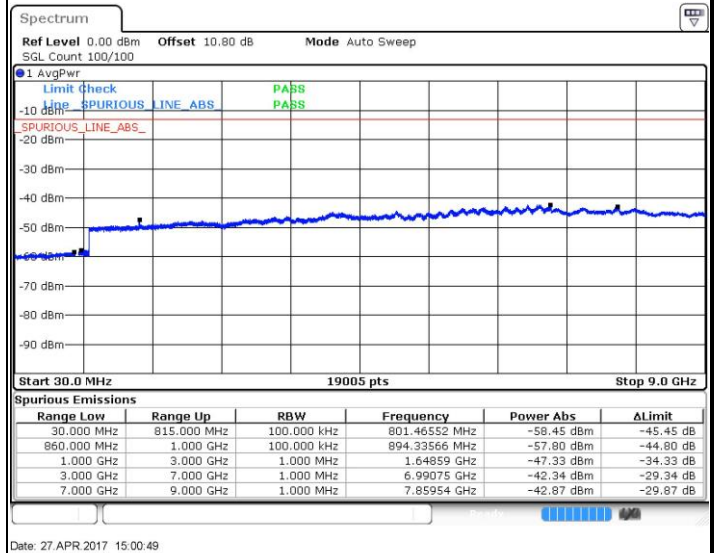
LTE Band 5 / 1.4MHz

Highest Channel / 64QAM



LTE Band 5 / 3MHz

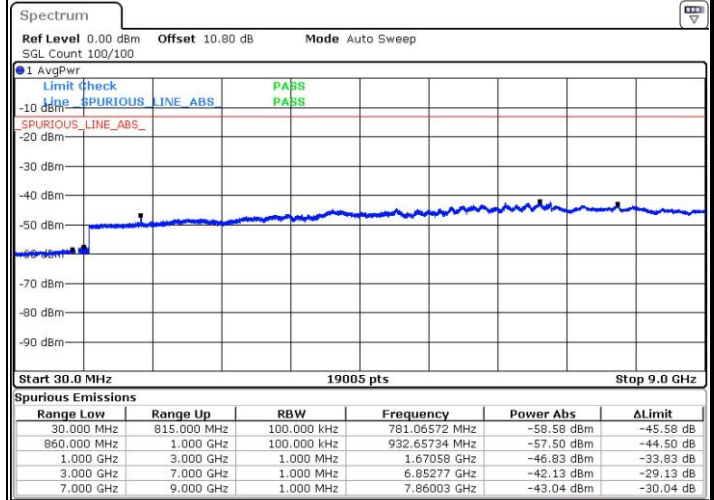
Lowest Channel / 64QAM





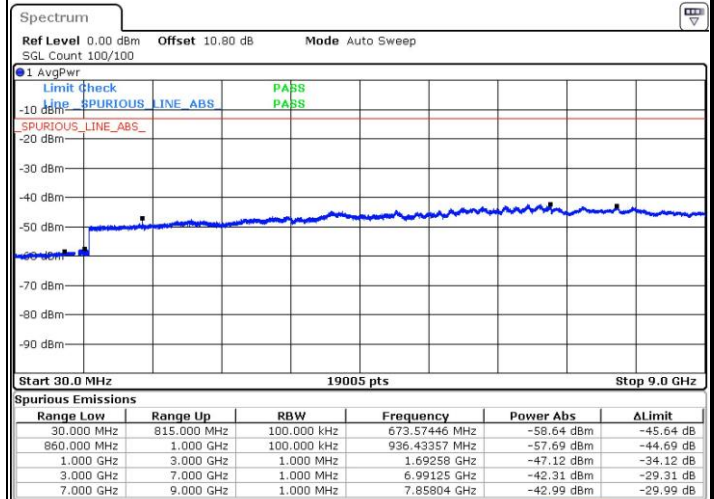
LTE Band 5 / 3MHz

Middle Channel / 64QAM



Date: 27.APR.2017 15:02:04

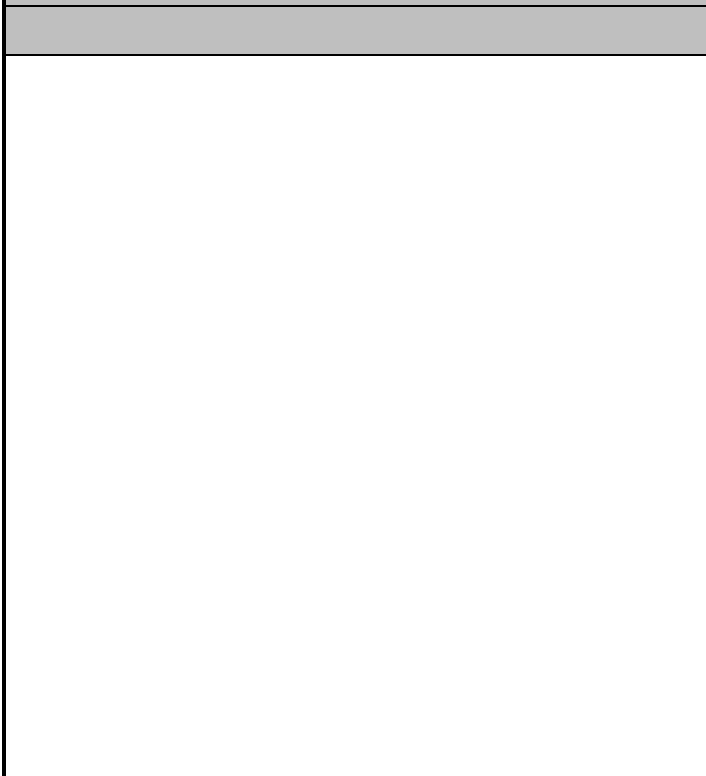
Highest Channel / 64QAM



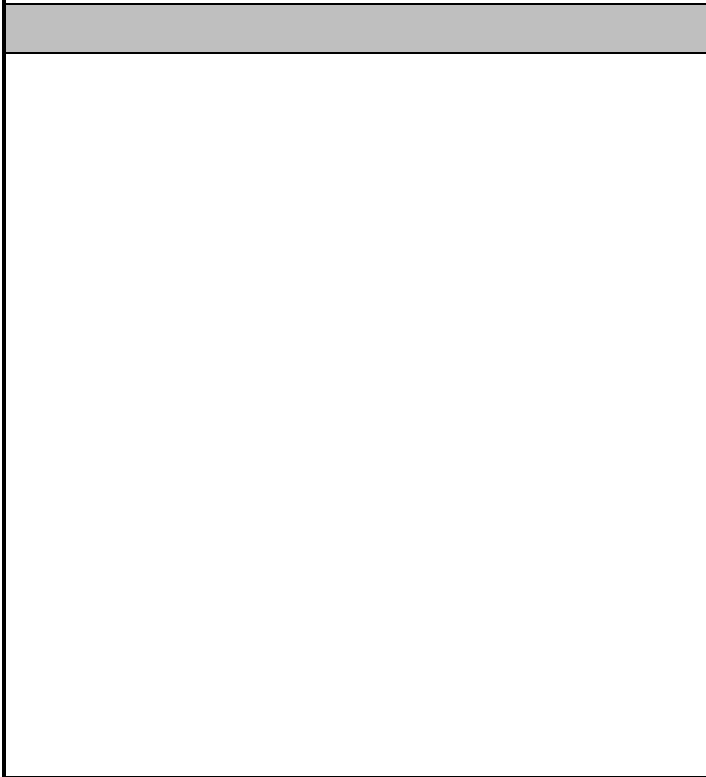
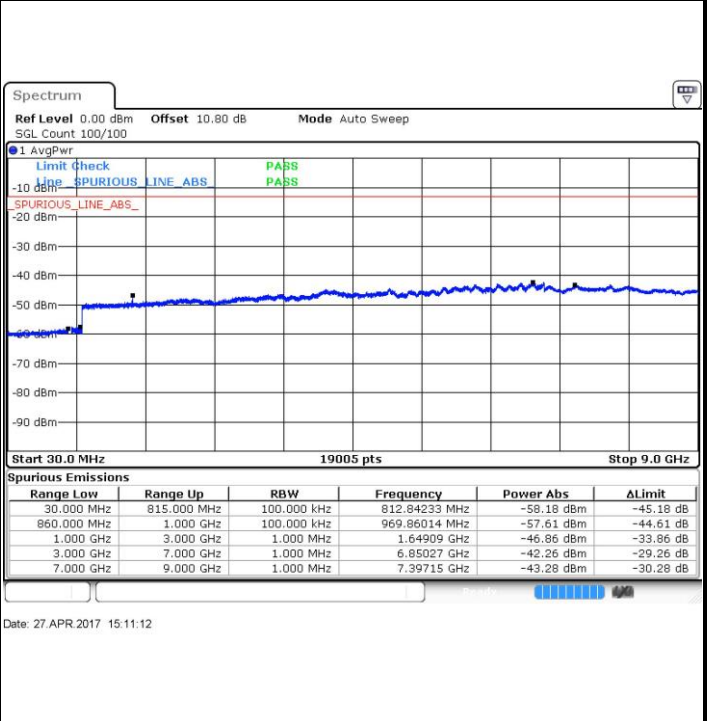
Date: 27.APR.2017 15:06:38



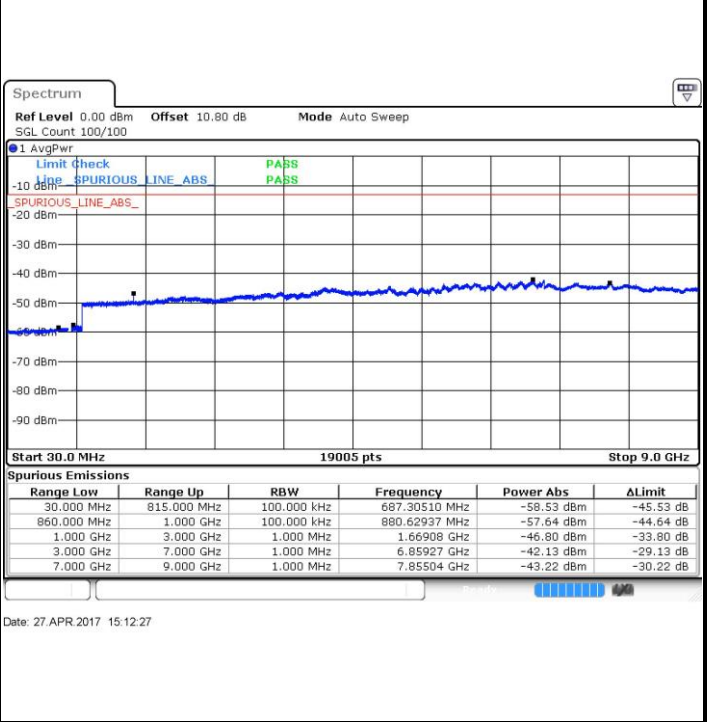
**LTE Band 5 / 5MHz**



**Lowest Channel / 64QAM**



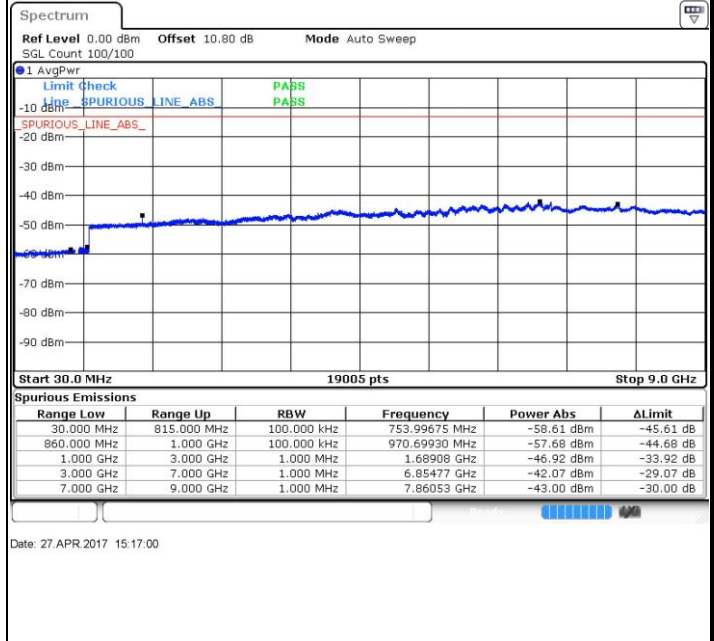
**Middle Channel / 64QAM**





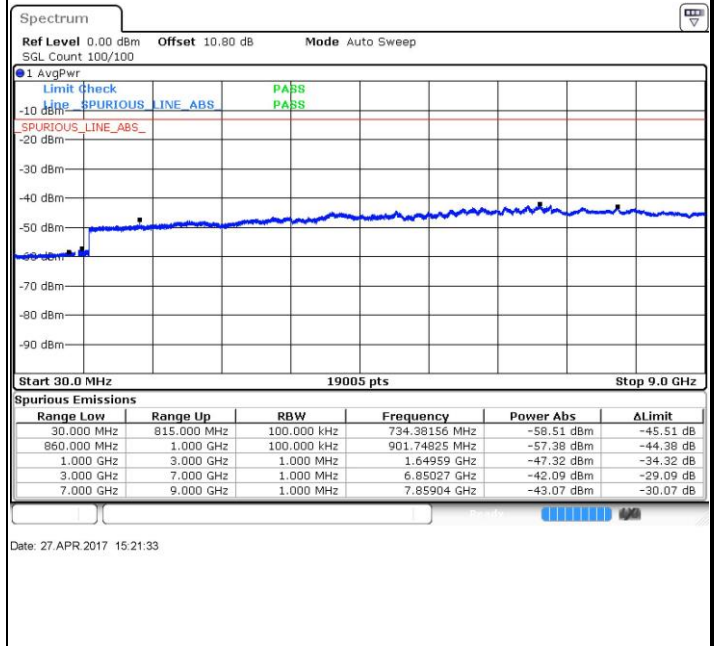
LTE Band 5 / 5MHz

Highest Channel / 64QAM



LTE Band 5 / 10MHz

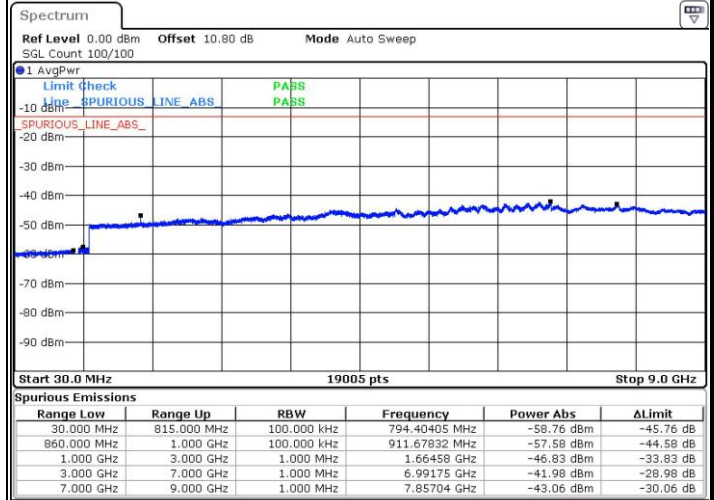
Lowest Channel / 64QAM





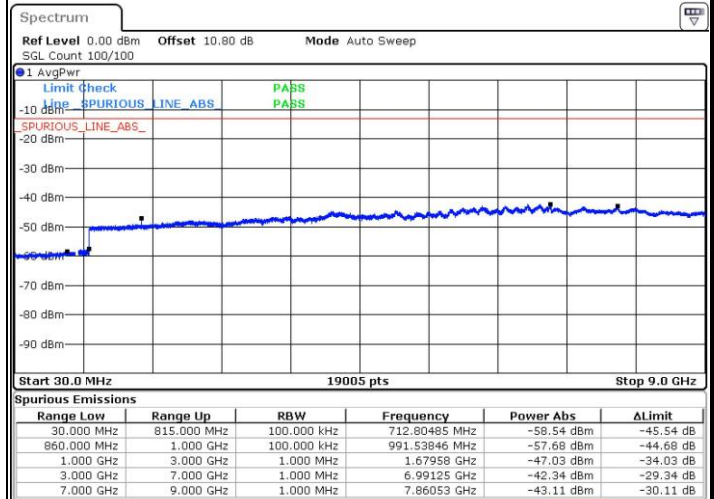
LTE Band 5 / 10MHz

Middle Channel / 64QAM



Date: 27.APR.2017 15:22:48

Highest Channel / 64QAM



Date: 27.APR.2017 15:27:22



**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	0.0116	PASS
40	Normal Voltage	0.0096	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0096	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 7

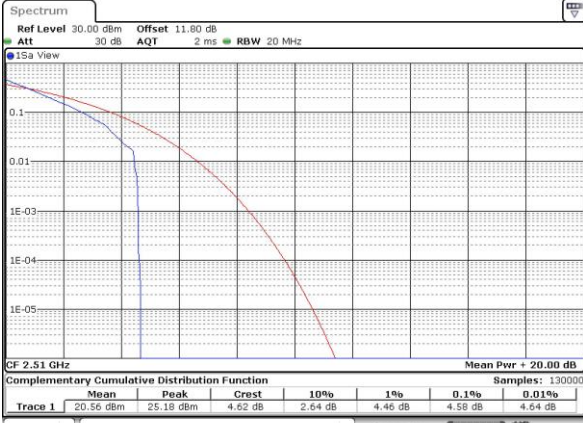
## Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.58	4.9	5.25	5.88	<b>PASS</b>
Middle CH	4.49	5.19	5.25	6.17	
Highest CH	4.58	5.1	5.39	6.09	
Mod.	-		64QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	5.19	5.83	<b>PASS</b>
Middle CH	-	-	5.01	6.14	
Highest CH	-	-	5.36	6.06	



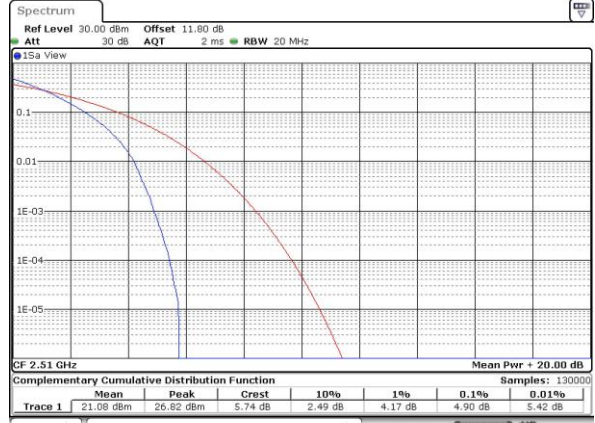
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 6 APR 2017 11:48:34

Lowest Channel / Full RB



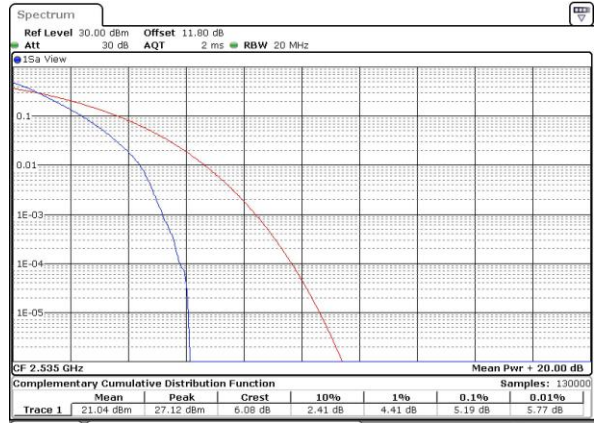
Date: 6 APR 2017 11:49:00

Middle Channel / 1RB



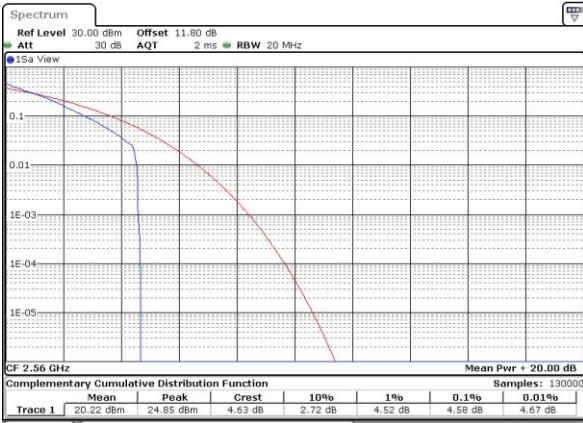
Date: 6 APR 2017 11:49:28

Middle Channel / Full RB



Date: 6 APR 2017 11:50:07

Highest Channel / 1RB



Date: 6 APR 2017 11:50:44

Highest Channel / Full RB



Date: 6 APR 2017 11:52:22