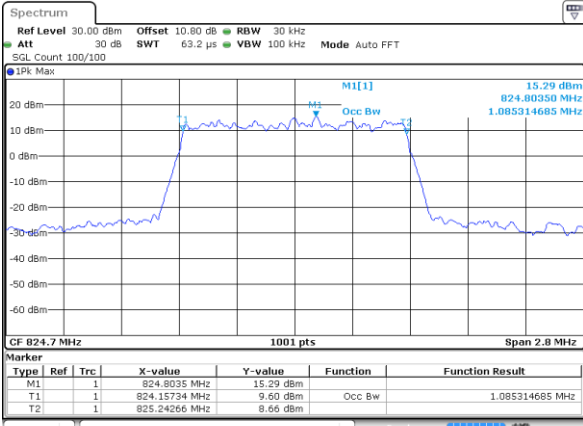




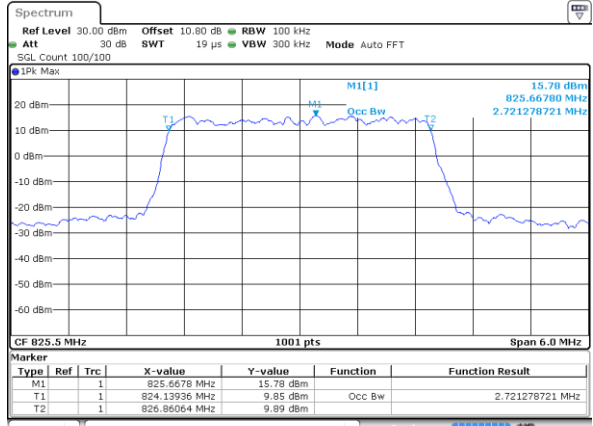
LTE Band 5

Lowest Channel / 1.4MHz / 64QAM



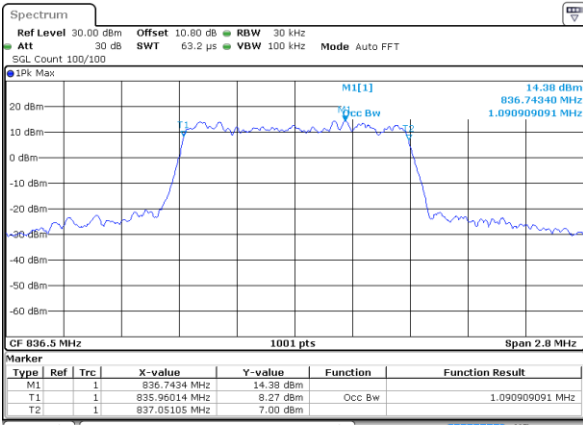
Date: 19.OCT.2017 16:04:55

Lowest Channel / 3MHz / 64QAM



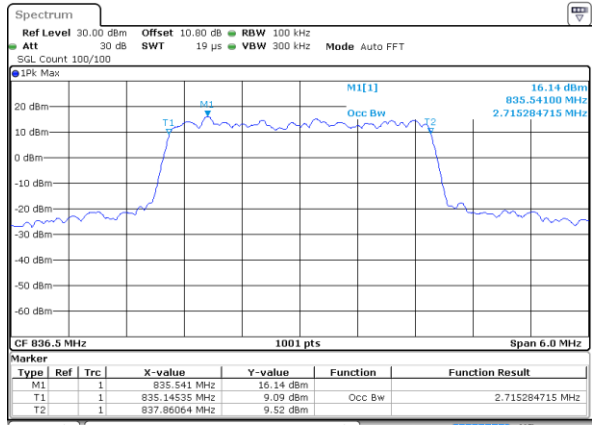
Date: 19.OCT.2017 15:30:12

Middle Channel / 1.4MHz / 64QAM



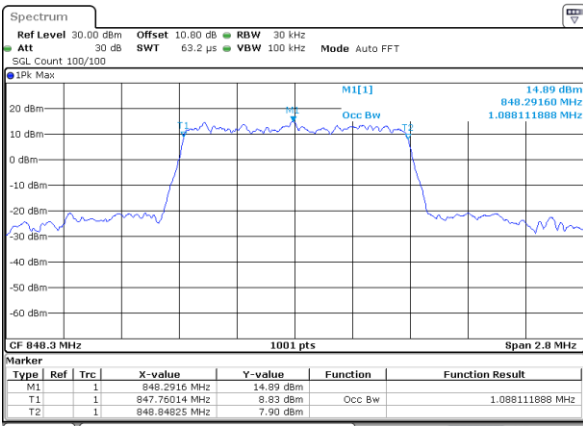
Date: 19.OCT.2017 16:09:28

Middle Channel / 3MHz / 64QAM



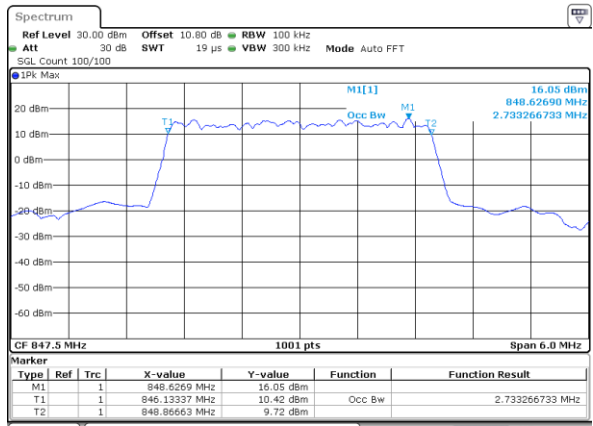
Date: 19.OCT.2017 15:34:44

Highest Channel / 1.4MHz / 64QAM



Date: 19.OCT.2017 16:10:40

Highest Channel / 3MHz / 64QAM

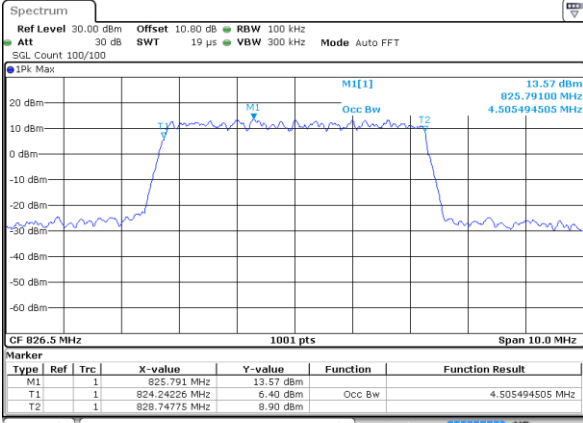


Date: 19.OCT.2017 15:35:57



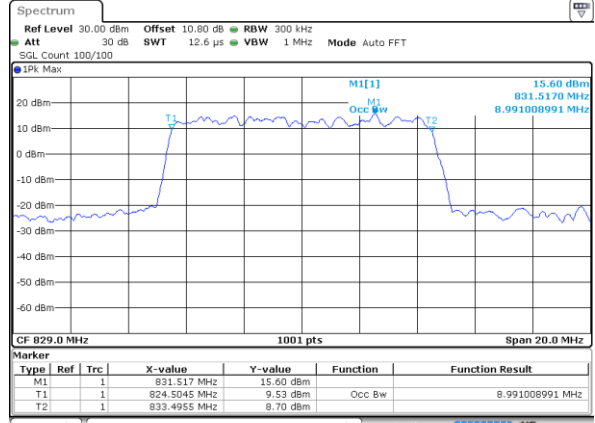
LTE Band 5

Lowest Channel / 5MHz / 64QAM



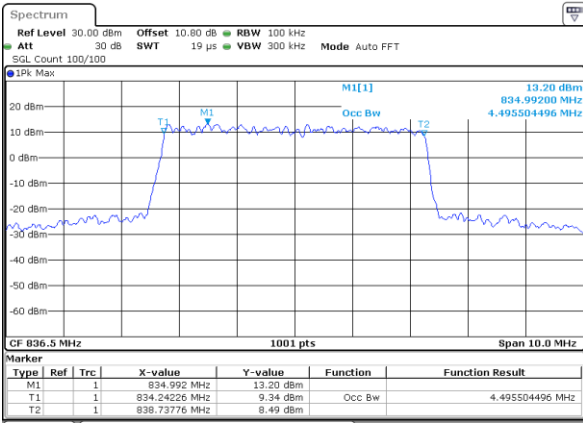
Date: 19.OCT.2017 15:40:28

Lowest Channel / 10MHz / 64QAM



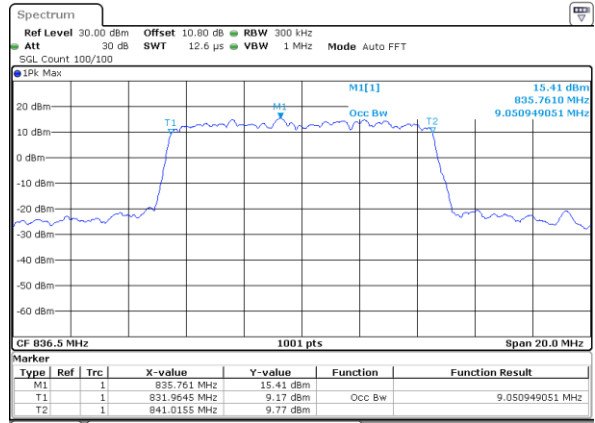
Date: 19.OCT.2017 15:50:45

Middle Channel / 5MHz / 64QAM



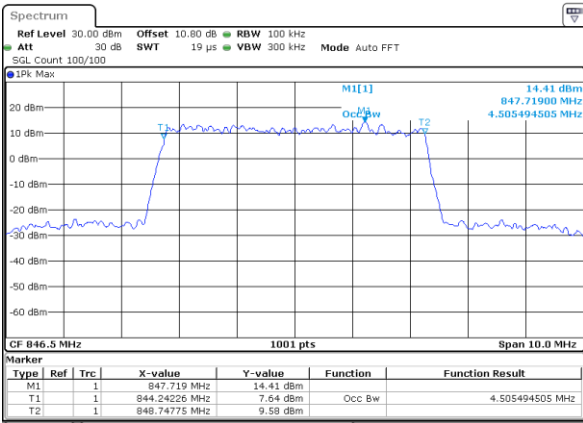
Date: 19.OCT.2017 15:45:00

Middle Channel / 10MHz / 64QAM



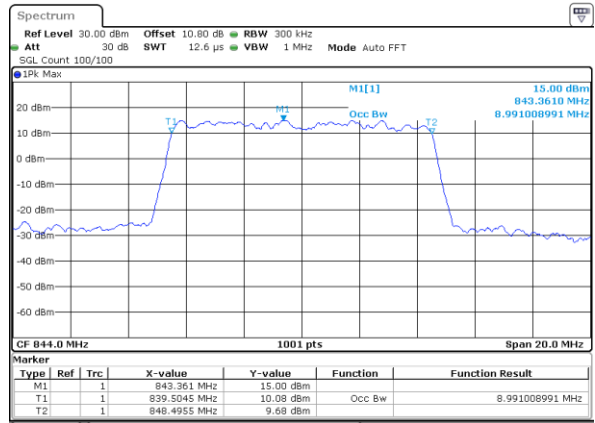
Date: 19.OCT.2017 15:55:16

Highest Channel / 5MHz / 64QAM



Date: 19.OCT.2017 15:46:14

Highest Channel / 10MHz / 64QAM



Date: 19.OCT.2017 15:56:30

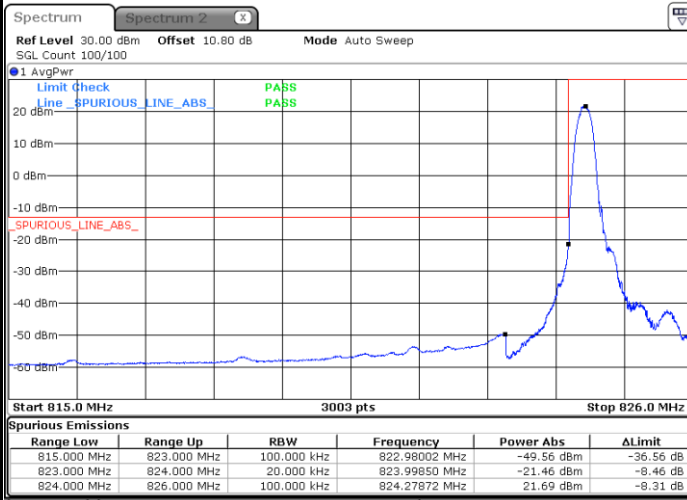


**Conducted Band Edge**



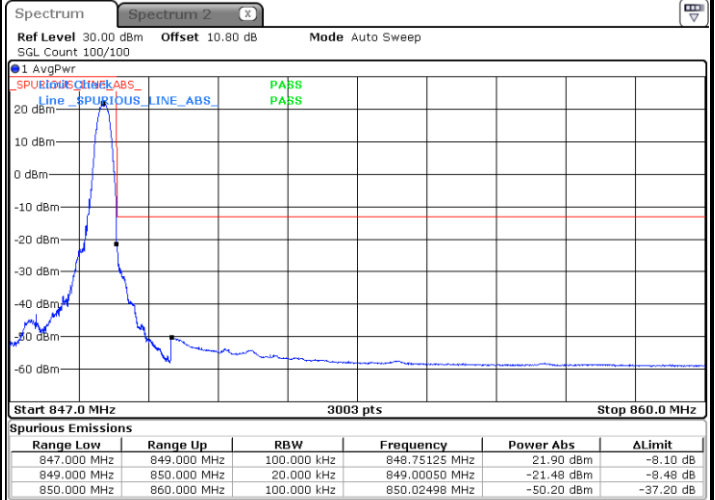
LTE Band 5 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



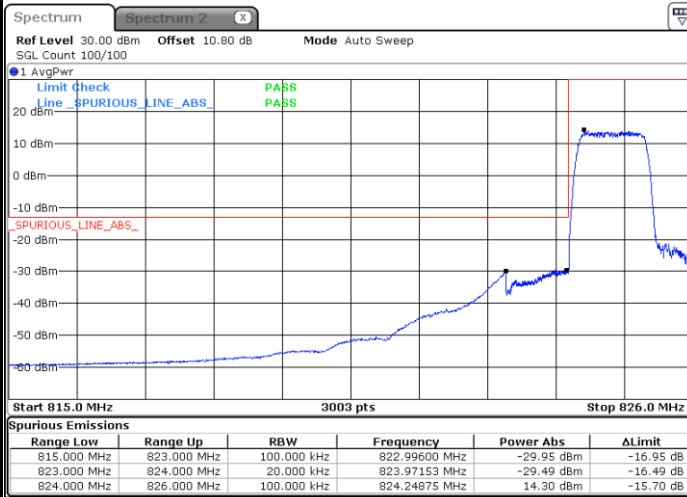
Date: 24 AUG 2017 20:32:22

Highest Band Edge / 1RB



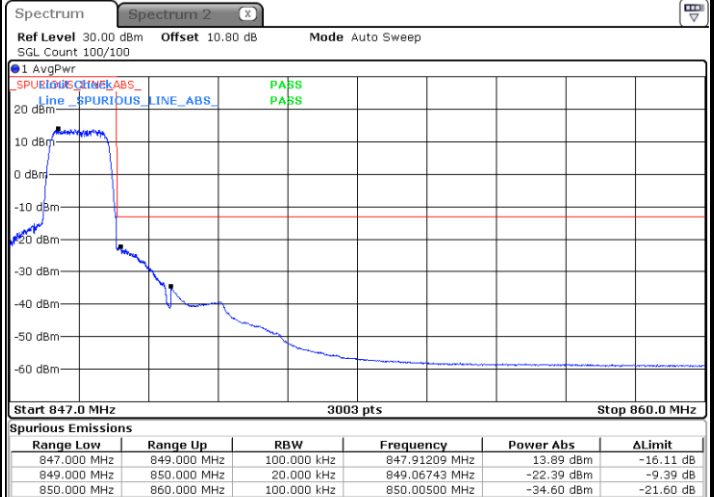
Date: 24 AUG.2017 20:47:09

Lowest Band Edge / Full RB



Date: 24 AUG.2017 20:35:39

Highest Band Edge / Full RB

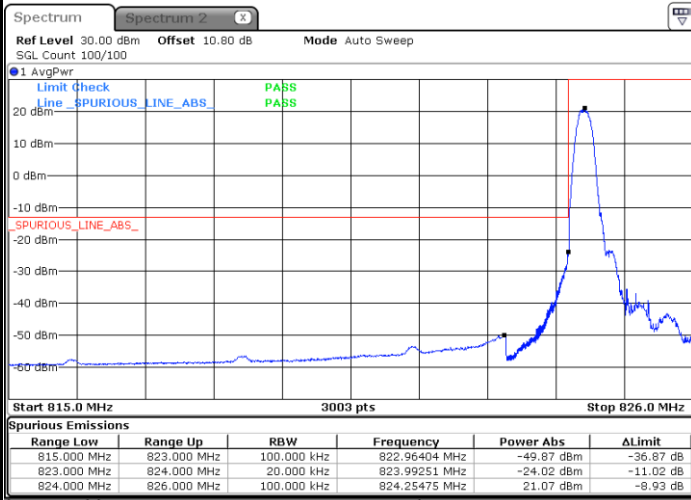


Date: 24 AUG 2017 20:43:52



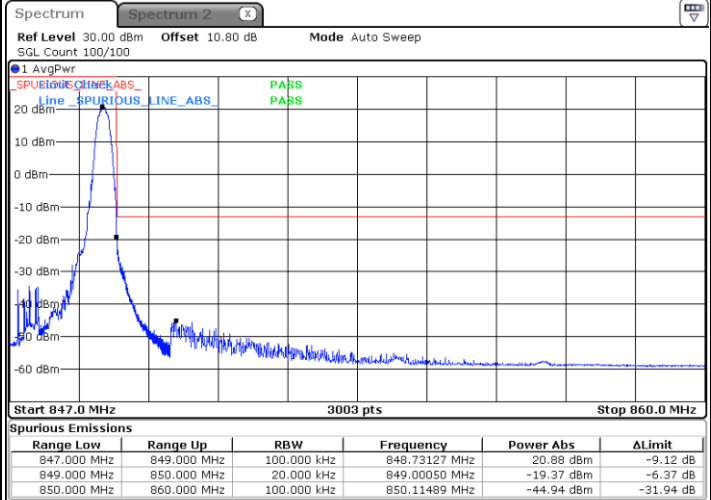
LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



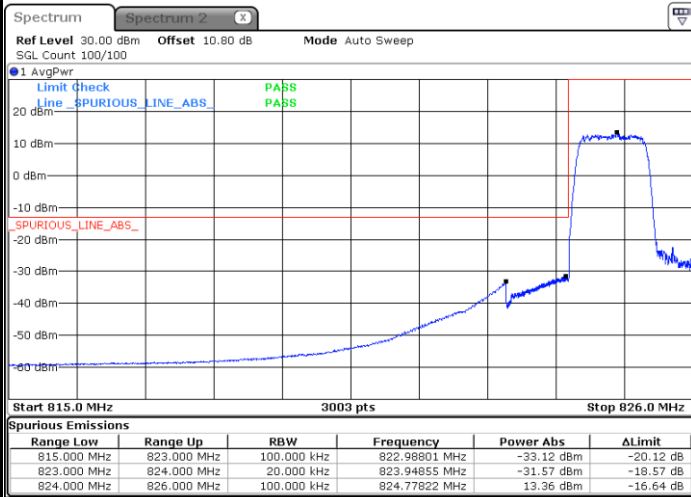
Date: 24 AUG 2017 20:34:01

Highest Band Edge / 1 RB



Date: 24 AUG 2017 20:48:48

Lowest Band Edge / Full RB



Date: 24 AUG 2017 20:37:18

Highest Band Edge / Full RB

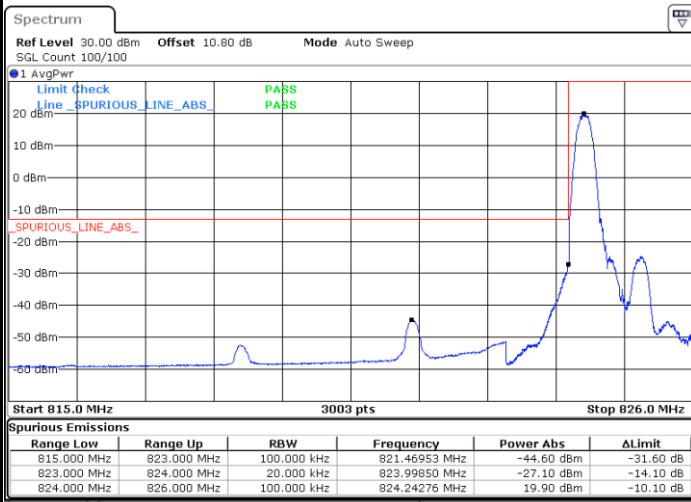


Date: 24 AUG 2017 20:45:31



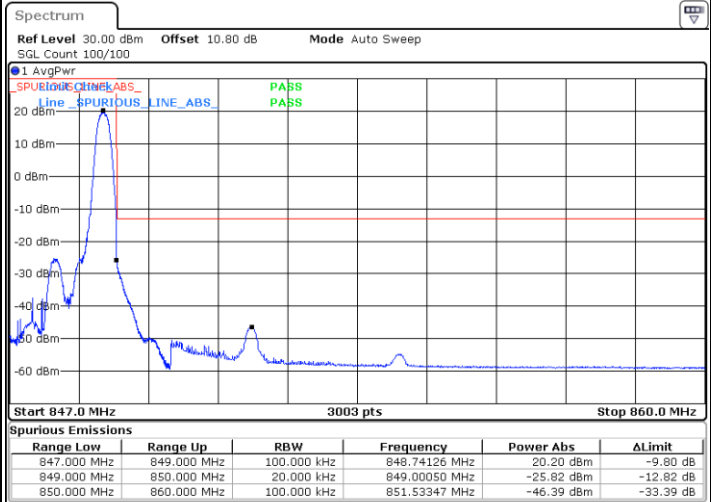
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



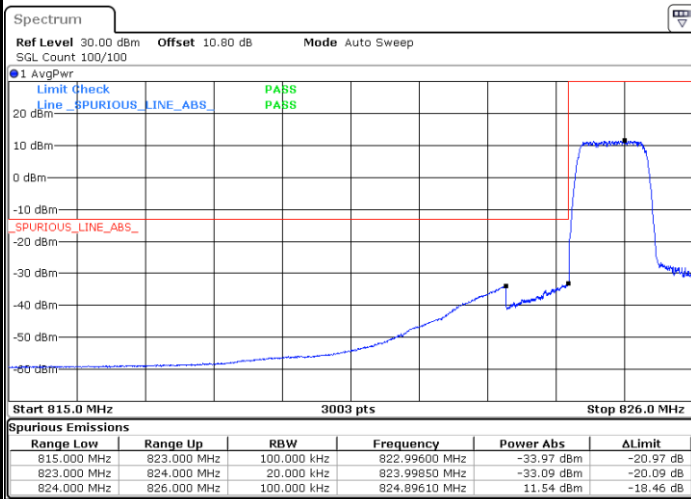
Date: 19.OCT.2017 16:06:43

Highest Band Edge / 1 RB



Date: 19.OCT.2017 16:14:06

Lowest Band Edge / Full RB



Date: 19.OCT.2017 16:08:22

Highest Band Edge / Full RB

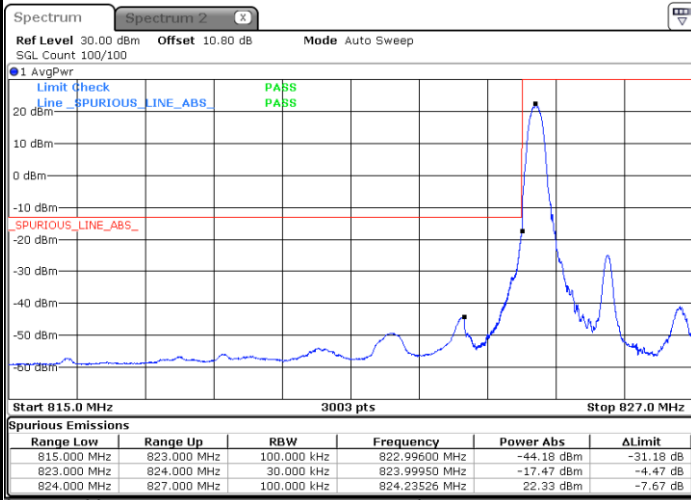


Date: 19.OCT.2017 16:12:28



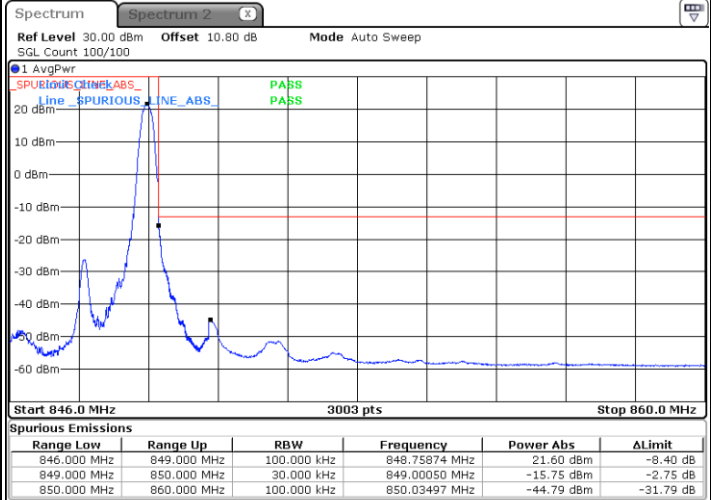
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



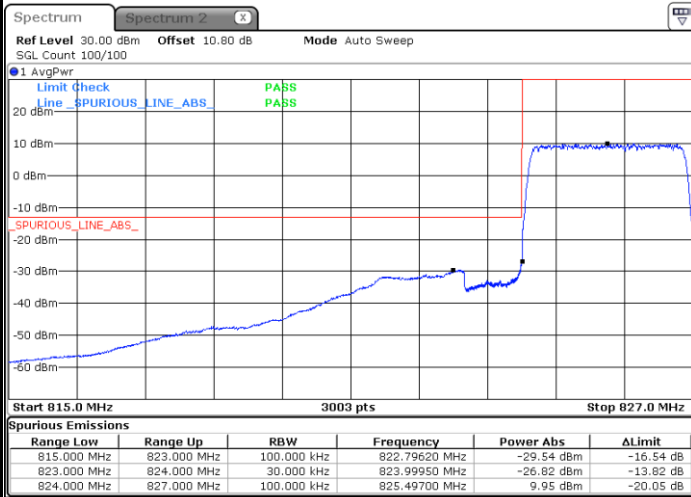
Date: 24 AUG 2017 19:30:45

Highest Band Edge / 1 RB



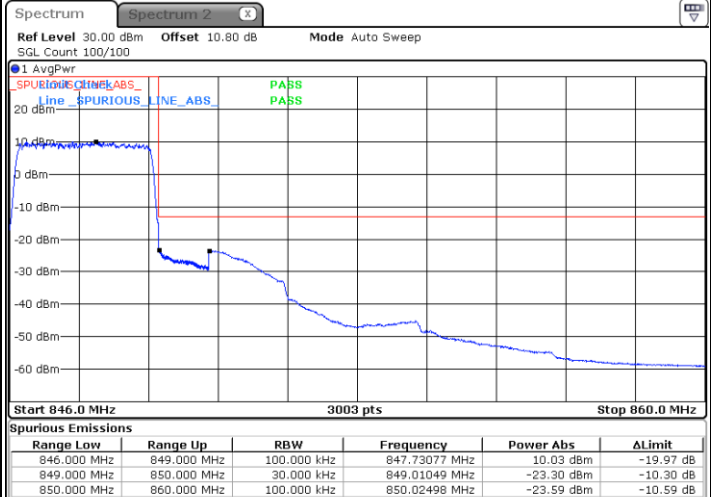
Date: 24 AUG.2017 19:42:14

Lowest Band Edge / Full RB



Date: 24 AUG 2017 19:34:02

Highest Band Edge / Full RB

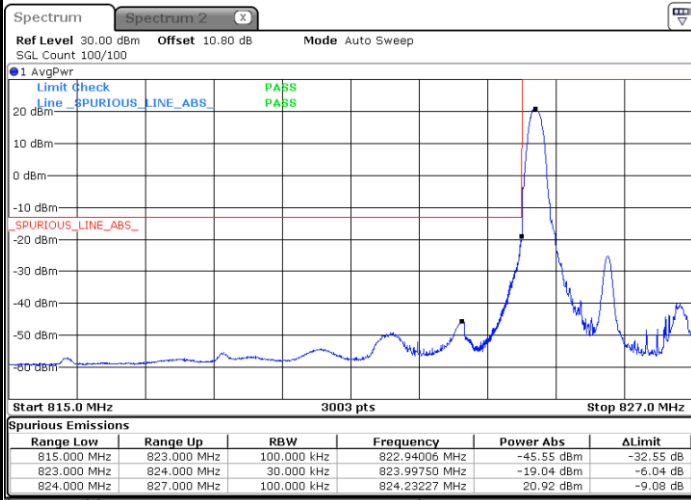


Date: 24 AUG 2017 19:45:32



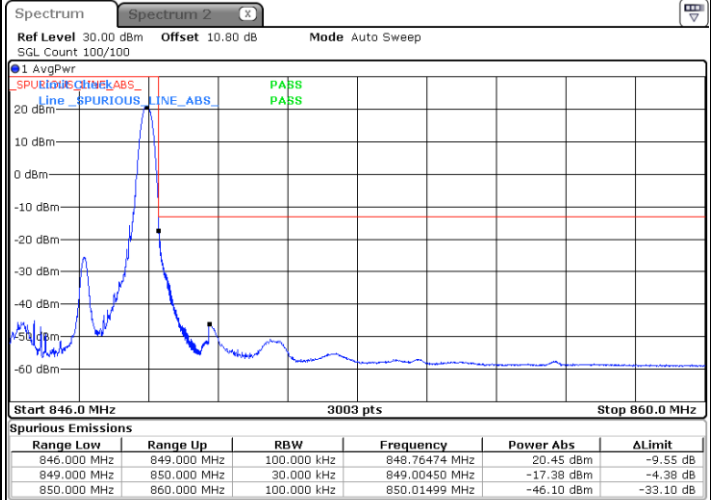
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



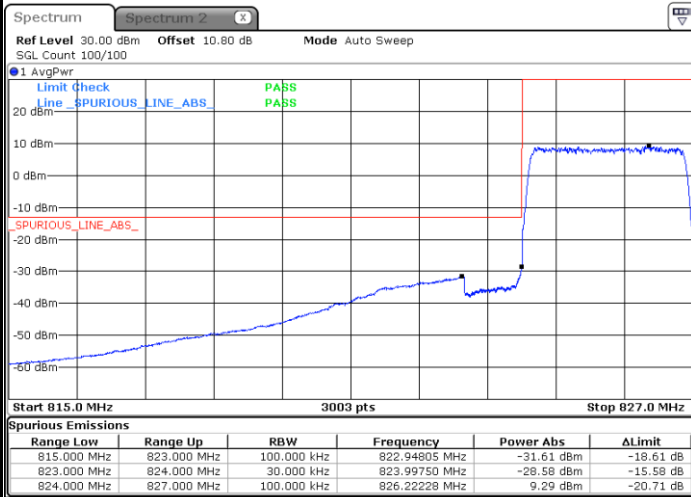
Date: 24 AUG 2017 19:32:23

Highest Band Edge / 1 RB



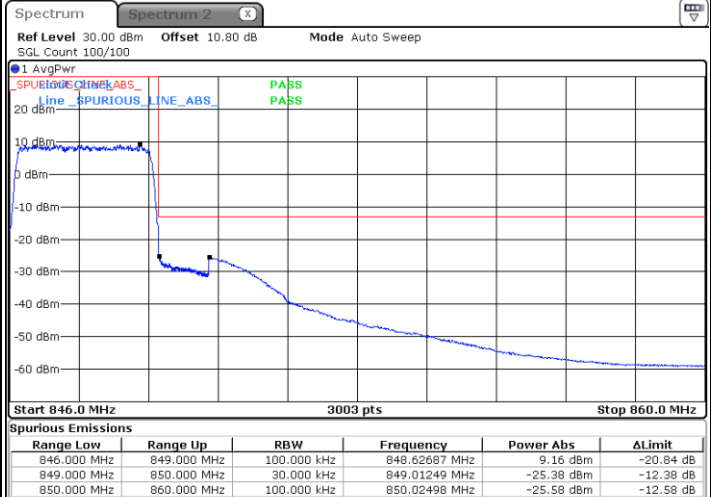
Date: 24 AUG 2017 19:43:53

Lowest Band Edge / Full RB



Date: 24 AUG 2017 19:35:41

Highest Band Edge / Full RB



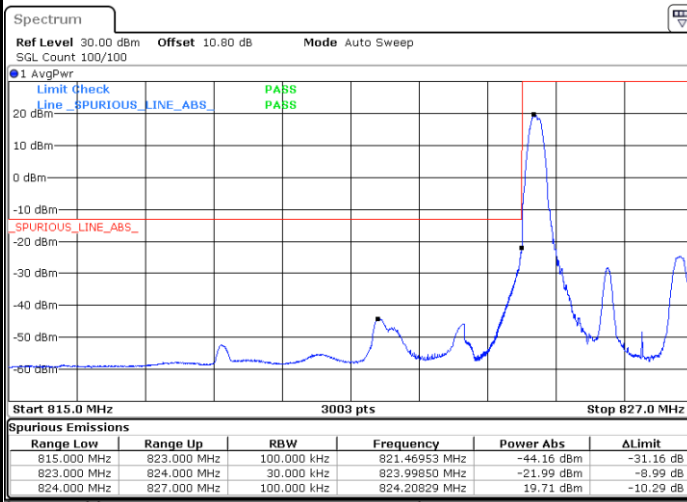
Date: 24 AUG 2017 19:47:10





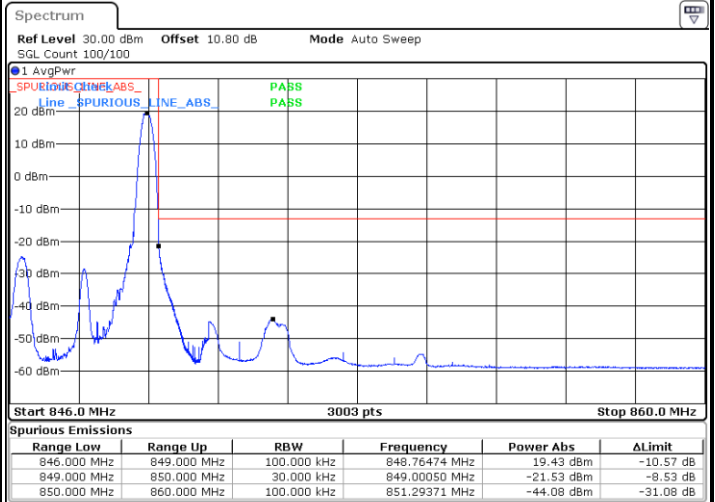
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



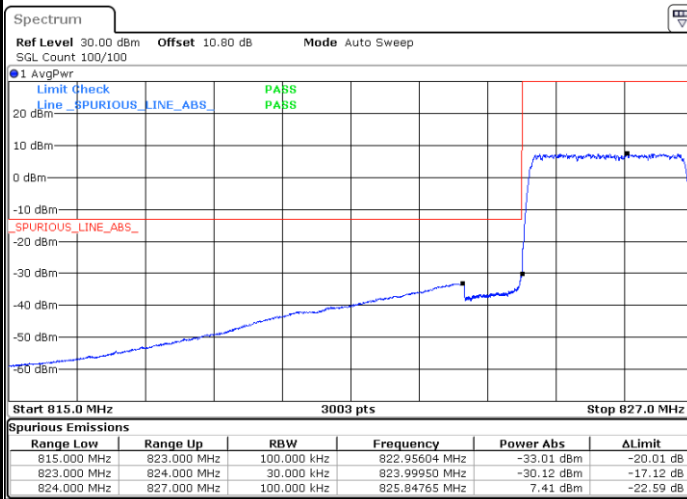
Date: 19.OCT.2017 15:32:01

Highest Band Edge / 1 RB



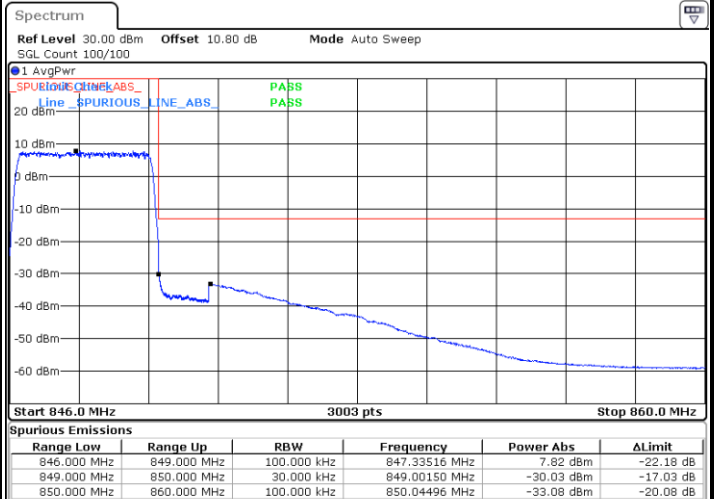
Date: 19.OCT.2017 15:37:46

Lowest Band Edge / Full RB



Date: 19.OCT.2017 15:33:39

Highest Band Edge / Full RB

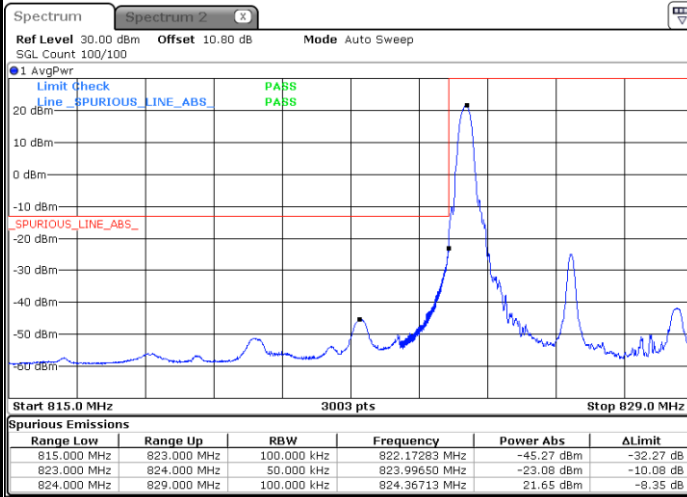


Date: 19.OCT.2017 15:39:24



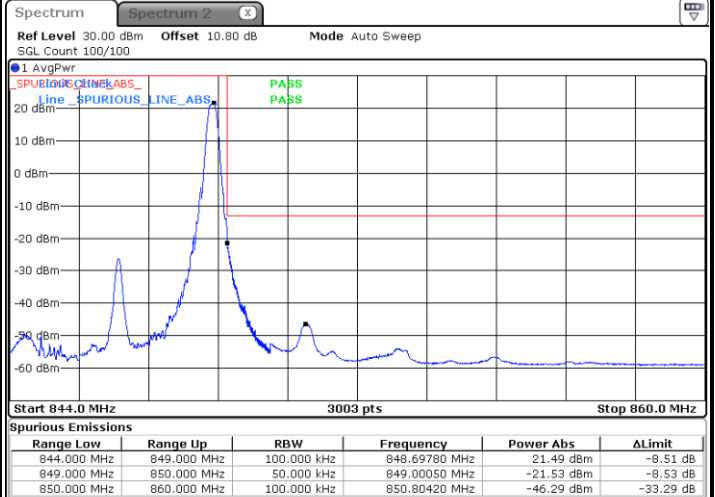
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



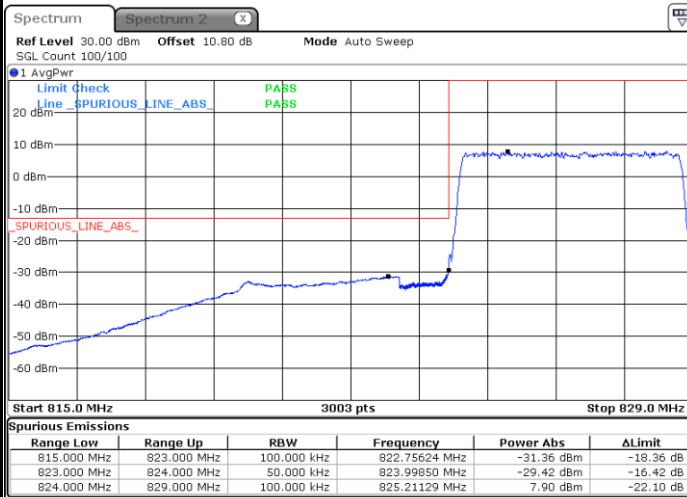
Date: 24 AUG 2017 19:51:17

Highest Band Edge / 1 RB



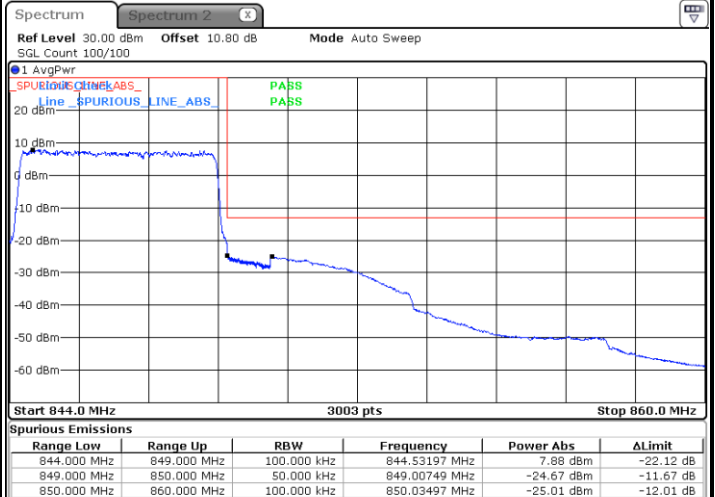
Date: 24 AUG 2017 20:02:47

Lowest Band Edge / Full RB



Date: 24 AUG 2017 19:54:34

Highest Band Edge / Full RB

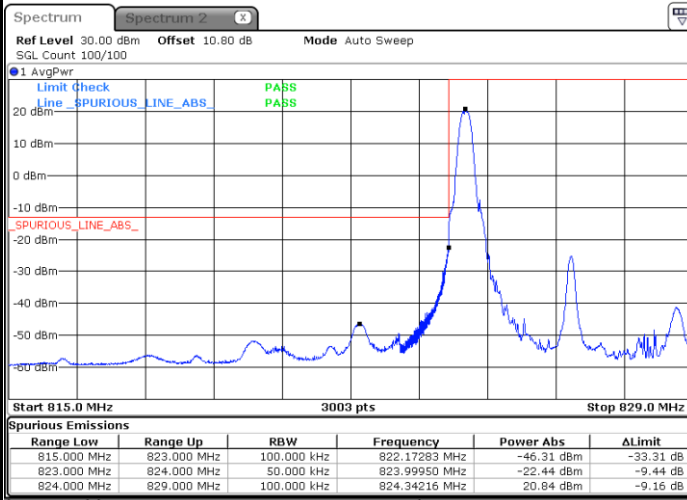


Date: 24 AUG 2017 20:06:04



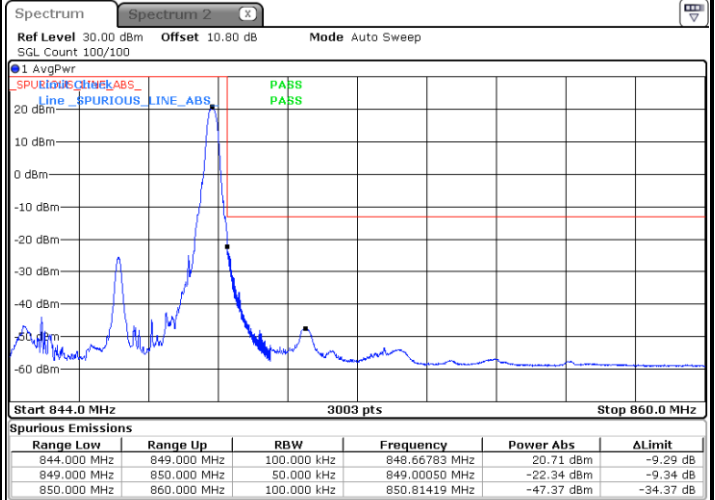
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB



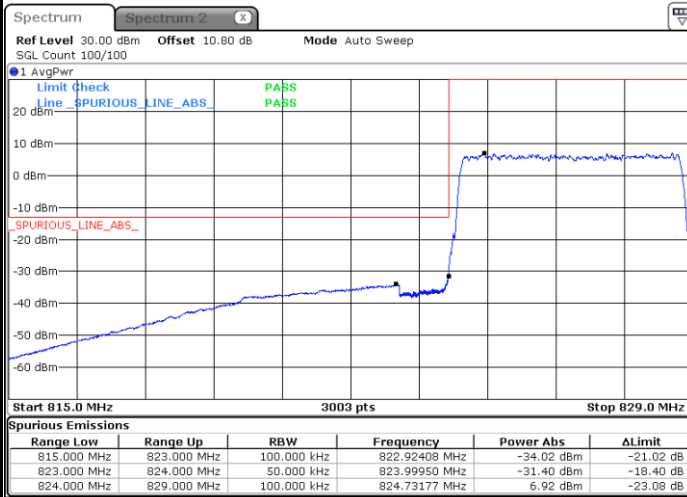
Date: 24 AUG 2017 19:52:56

Highest Band Edge / 1 RB



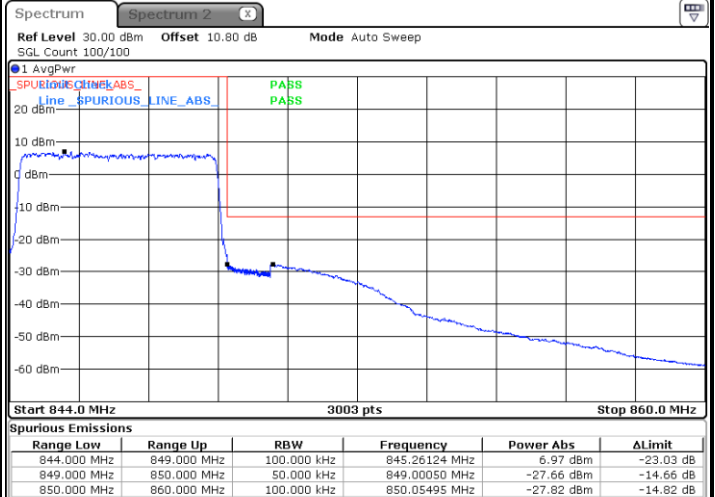
Date: 24 AUG 2017 20:04:26

Lowest Band Edge / Full RB



Date: 24 AUG 2017 19:56:13

Highest Band Edge / Full RB

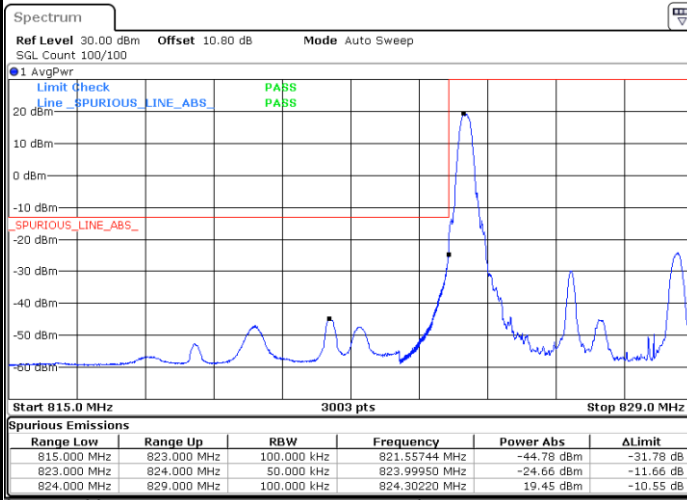


Date: 24 AUG 2017 20:07:43



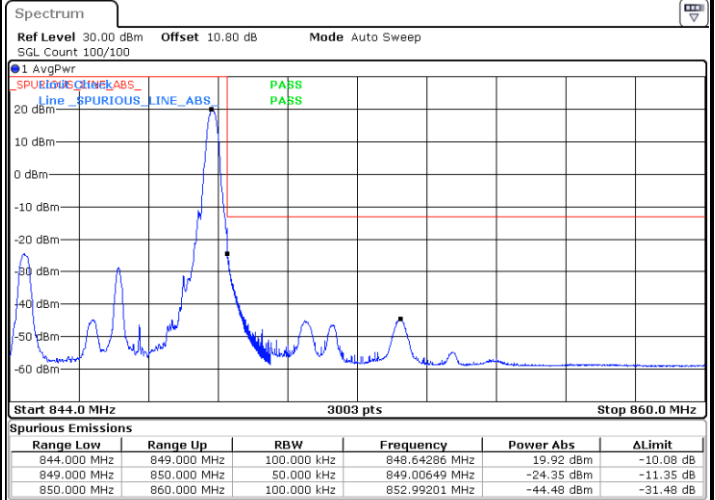
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



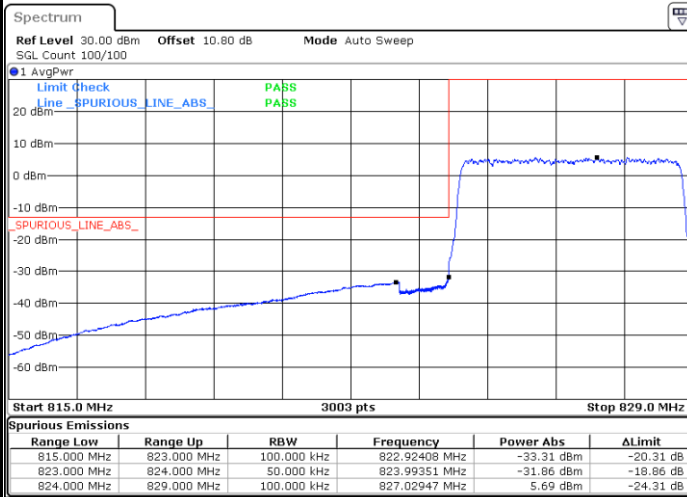
Date: 19.OCT.2017 15:42:17

Highest Band Edge / 1 RB



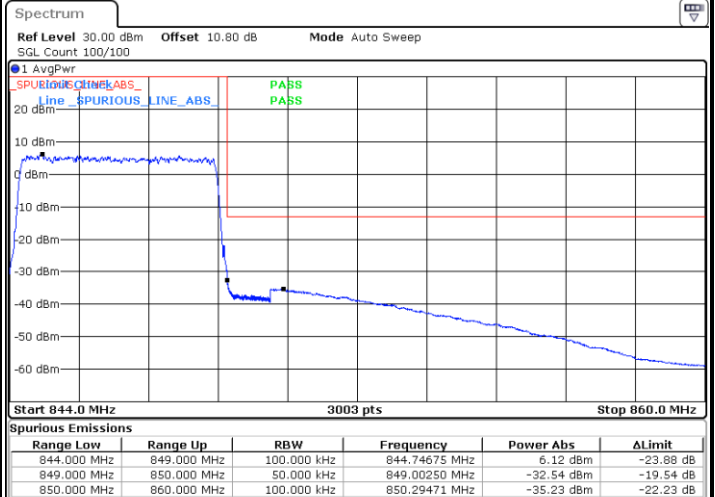
Date: 19.OCT.2017 15:48:02

Lowest Band Edge / Full RB



Date: 19.OCT.2017 15:43:55

Highest Band Edge / Full RB



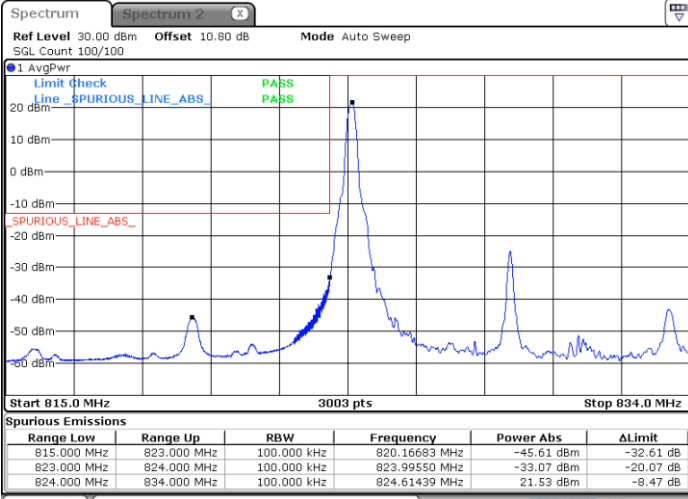
Date: 19.OCT.2017 15:49:40



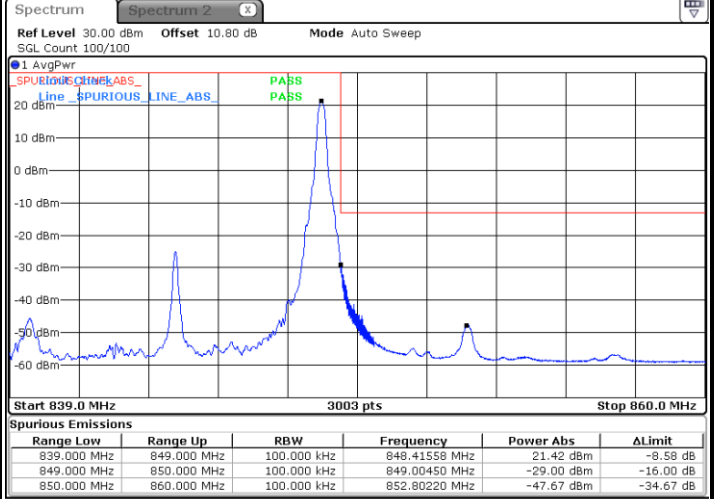
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



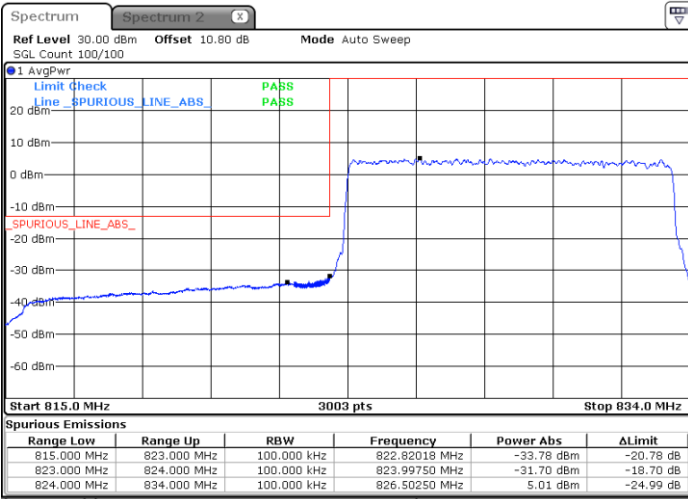
Date: 24 AUG 2017 20:11:49



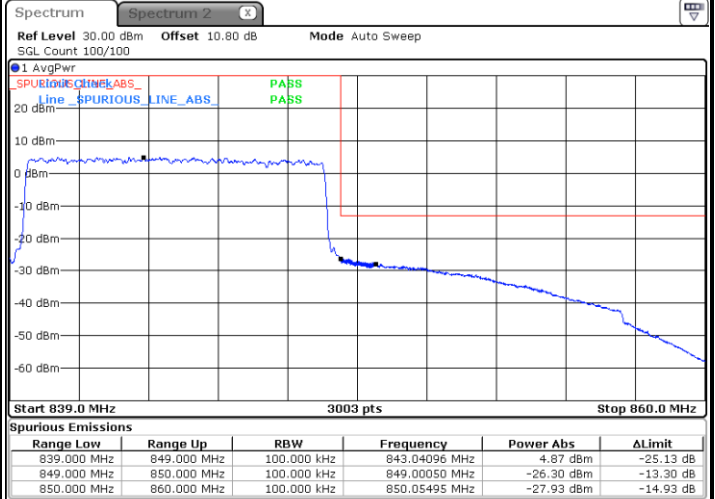
Date: 24 AUG 2017 20:23:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24 AUG 2017 20:15:07

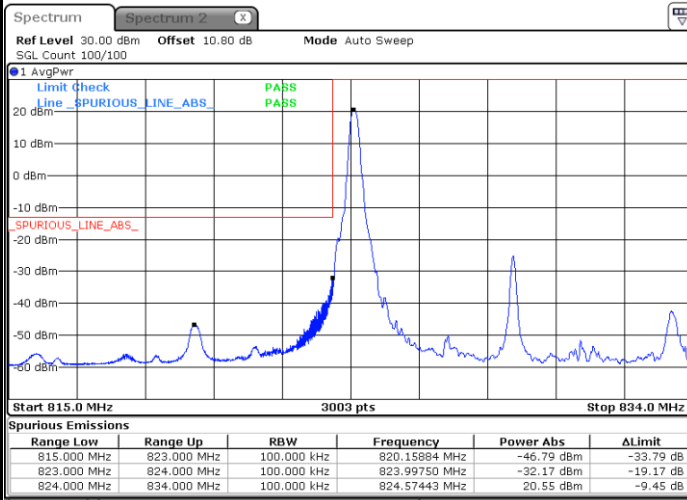


Date: 24 AUG 2017 20:26:37



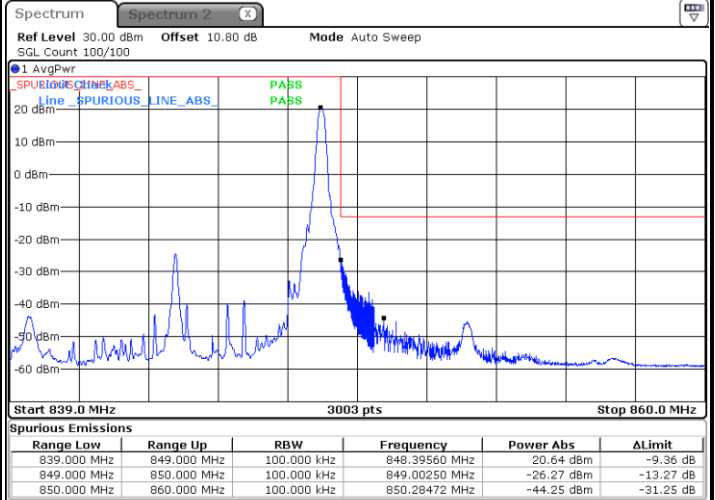
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



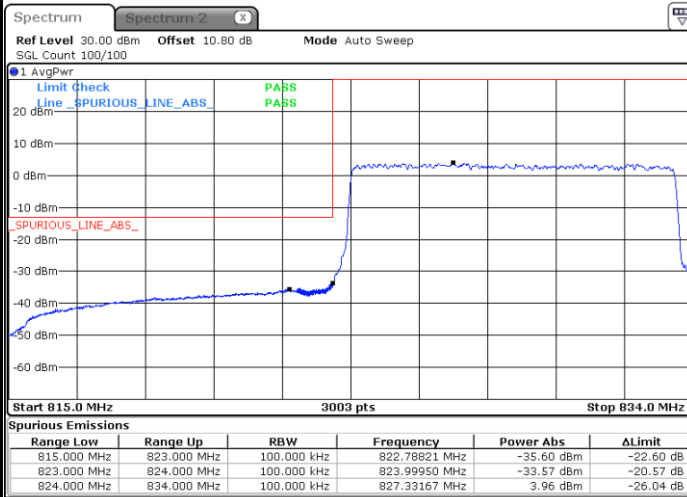
Date: 24 AUG.2017 20:13:28

Highest Band Edge / 1 RB



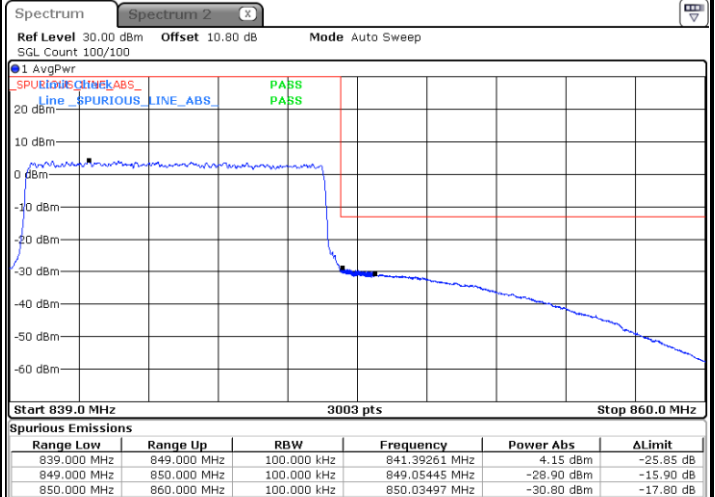
Date: 24 AUG.2017 20:24:58

Lowest Band Edge / Full RB



Date: 24 AUG.2017 20:16:46

Highest Band Edge / Full RB

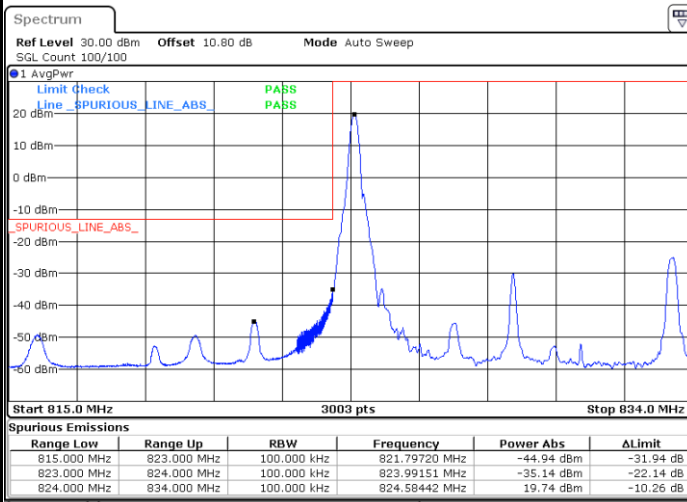


Date: 24 AUG.2017 20:28:16



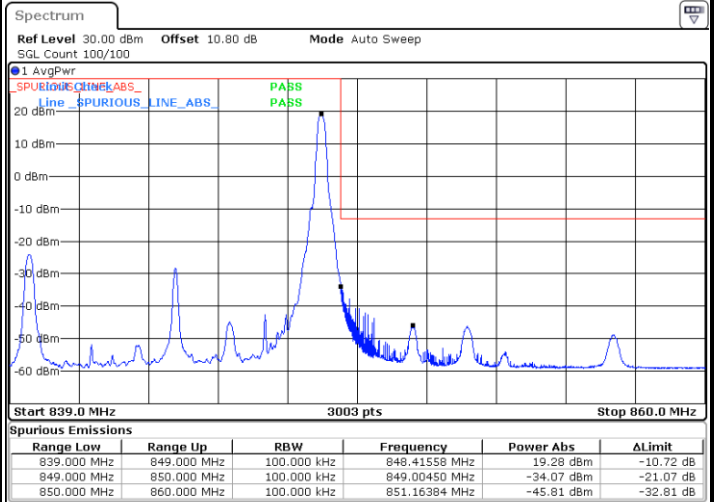
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



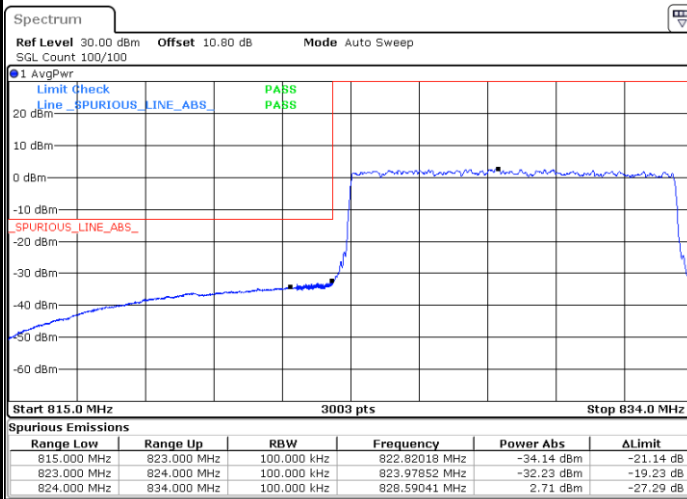
Date: 19.OCT.2017 15:52:33

Highest Band Edge / 1 RB



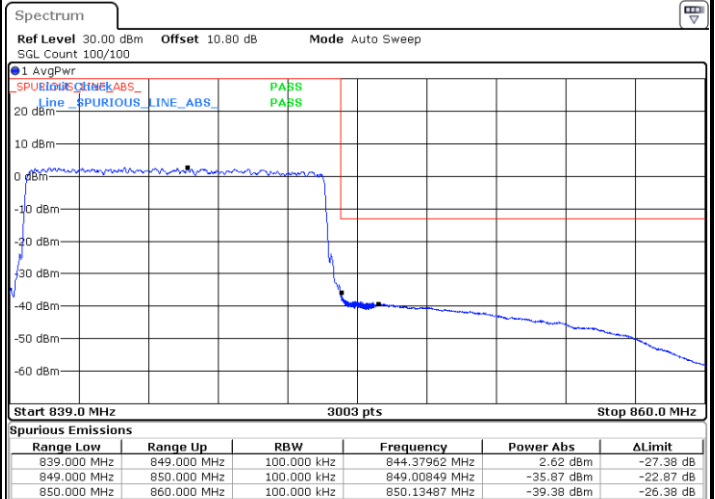
Date: 19.OCT.2017 15:58:18

Lowest Band Edge / Full RB



Date: 19.OCT.2017 15:54:12

Highest Band Edge / Full RB



Date: 19.OCT.2017 15:59:57



**Conducted Spurious Emission**

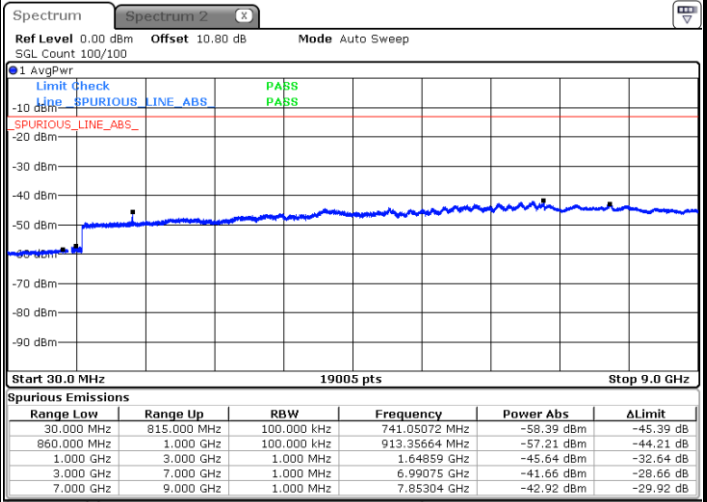
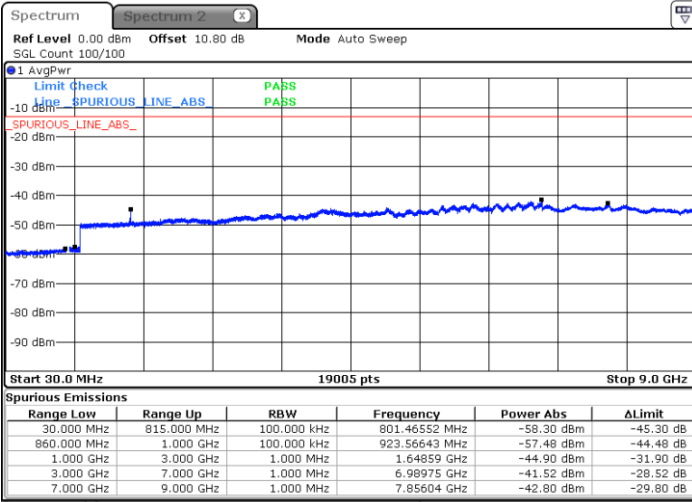




LTE Band 5 / 1.4MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

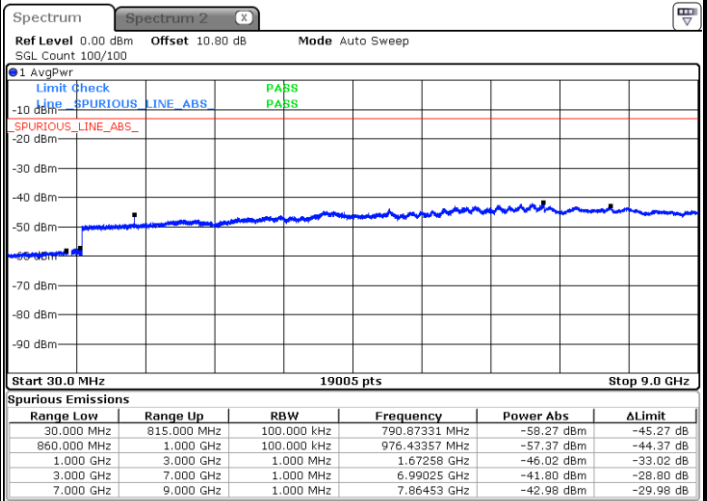
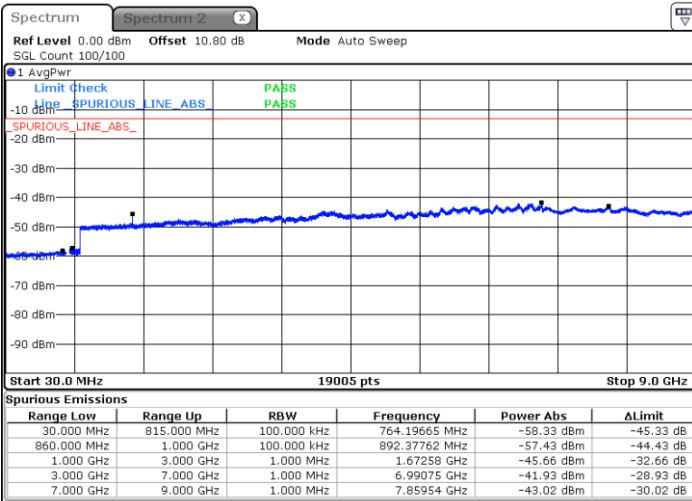


Date: 24 AUG.2017 20:38:12

Date: 24.AUG.2017 20:39:06

Middle Channel / QPSK

Middle Channel / 16QAM



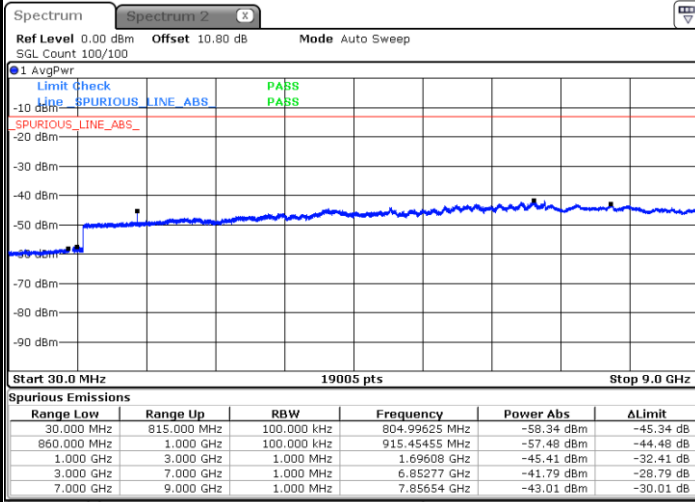
Date: 24 AUG.2017 20:40:40

Date: 24.AUG.2017 20:41:34



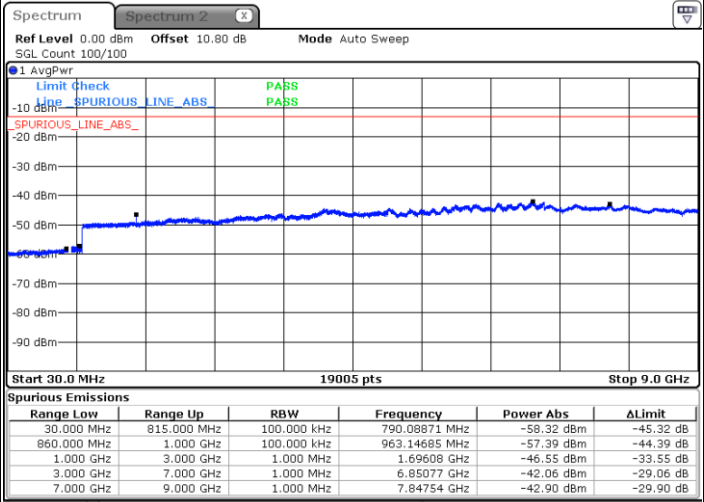
LTE Band 5 / 1.4MHz

Highest Channel / QPSK



Date: 24 AUG 2017 20:49:42

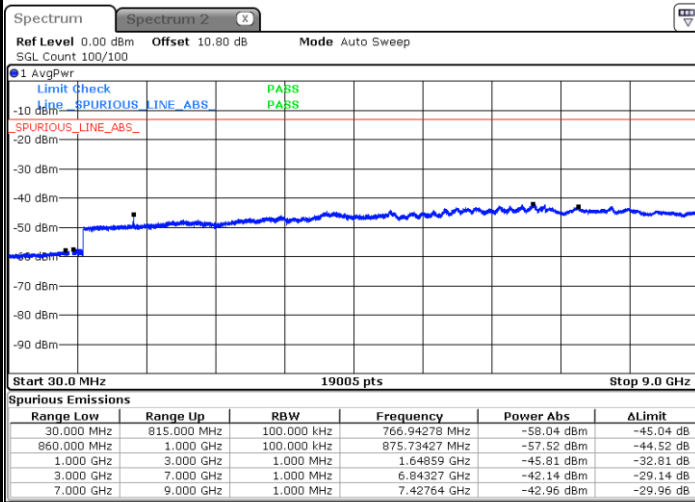
Highest Channel / 16QAM



Date: 24 AUG 2017 20:50:36

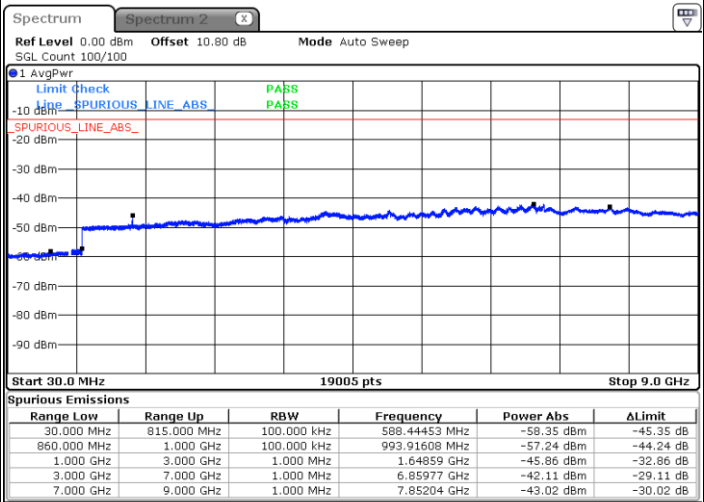
LTE Band 5 / 3MHz

Lowest Channel / QPSK



Date: 24 AUG 2017 19:36:35

Lowest Channel / 16QAM



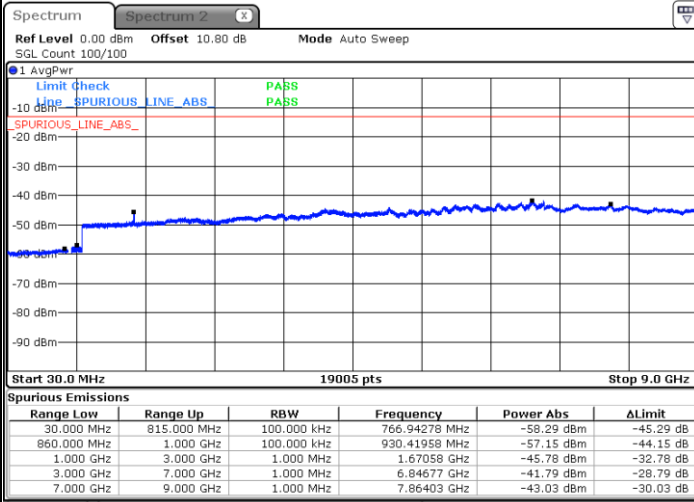
Date: 24 AUG 2017 19:37:29



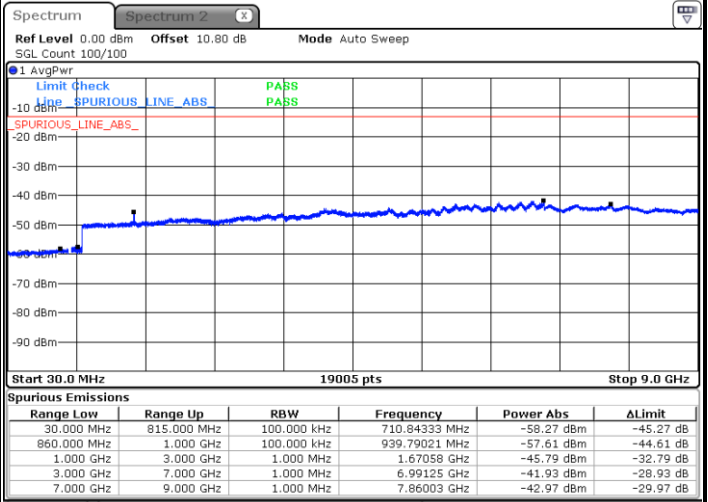
LTE Band 5 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



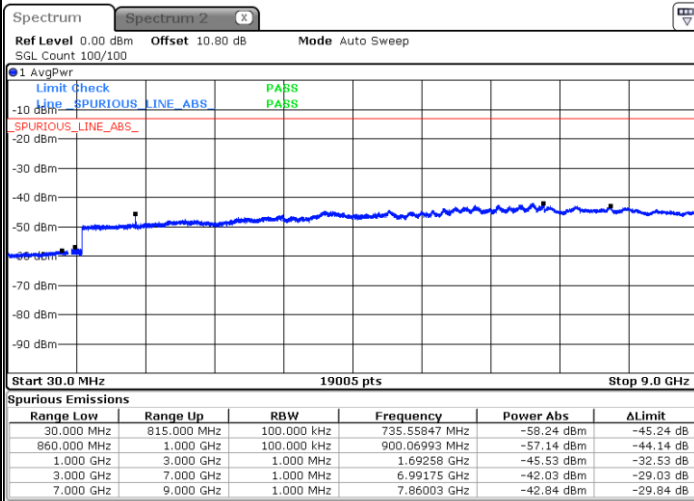
Date: 24 AUG. 2017 19:39:03



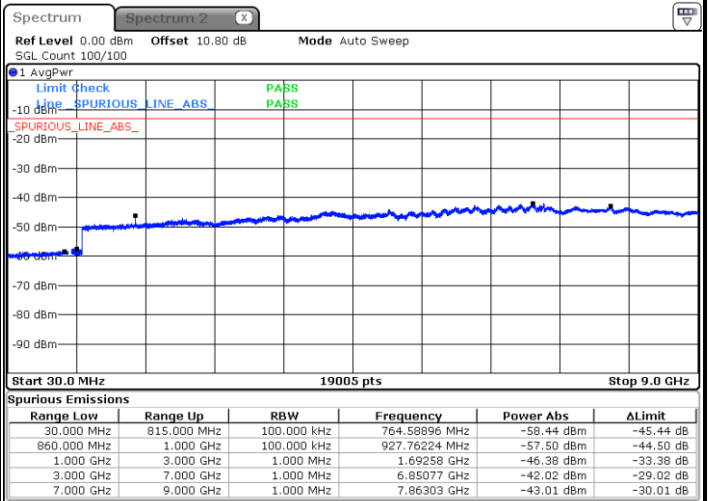
Date: 24 AUG. 2017 19:39:56

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 24 AUG. 2017 19:48:05

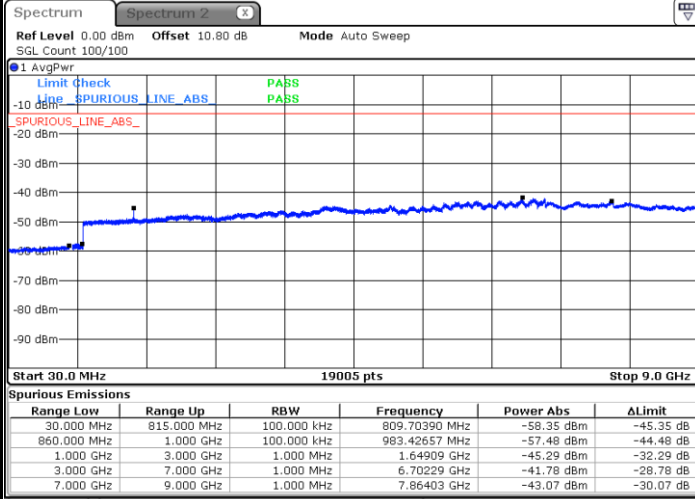


Date: 24 AUG. 2017 19:48:59



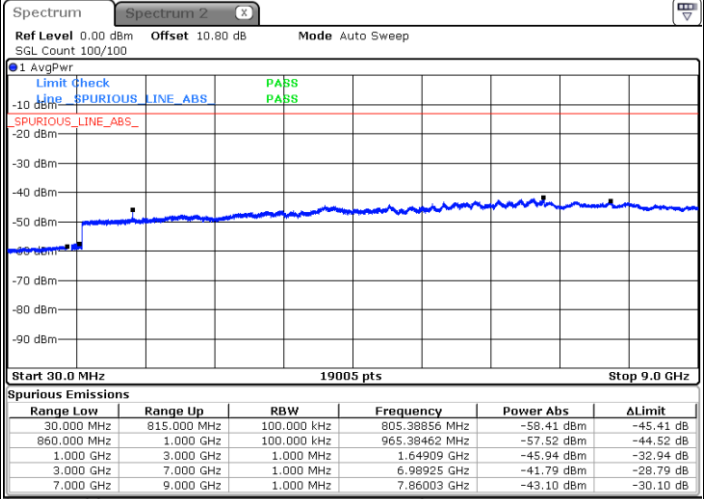
LTE Band 5 / 5MHz

Lowest Channel / QPSK



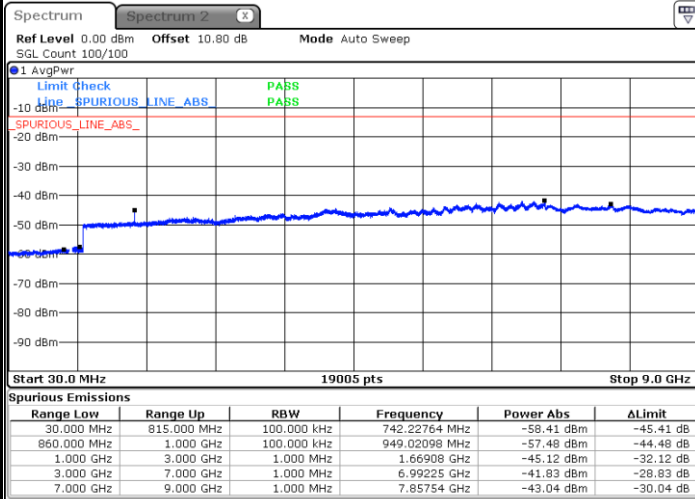
Date: 24 AUG. 2017 19:57:08

Lowest Channel / 16QAM



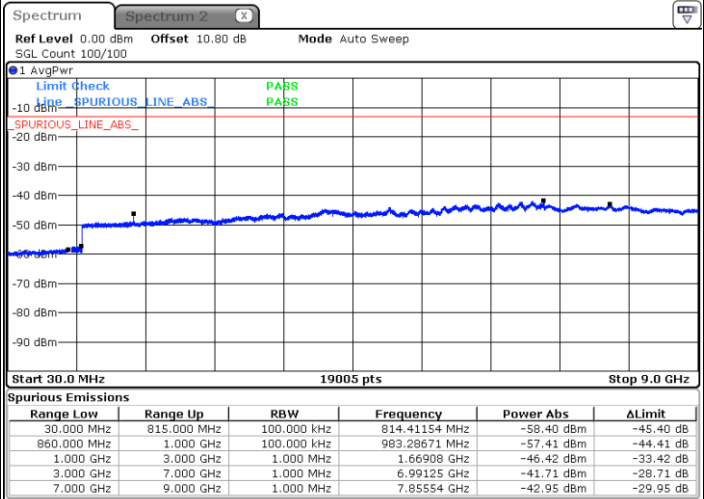
Date: 24 AUG. 2017 19:58:01

Middle Channel / QPSK



Date: 24 AUG. 2017 19:59:35

Middle Channel / 16QAM

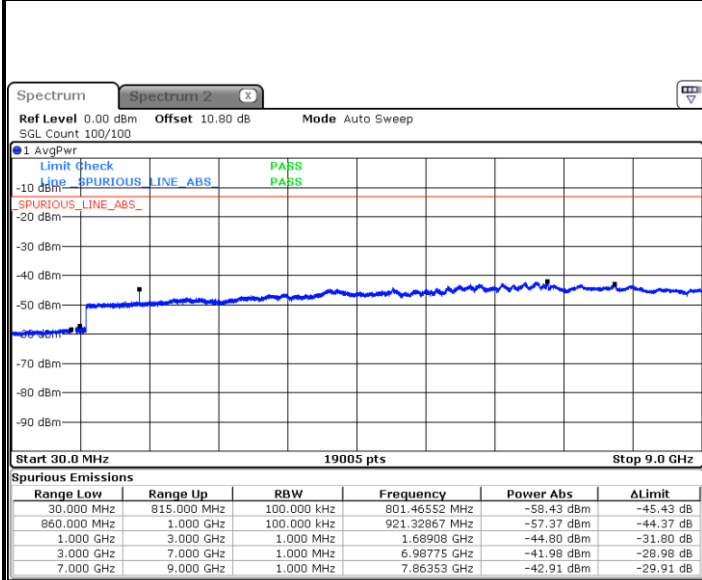


Date: 24 AUG. 2017 20:00:29



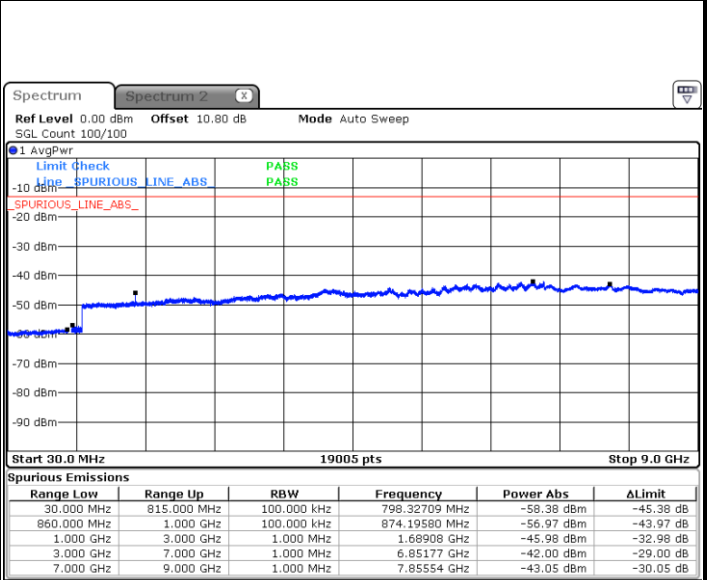
LTE Band 5 / 5MHz

Highest Channel / QPSK



Date: 24 AUG 2017 20:08:37

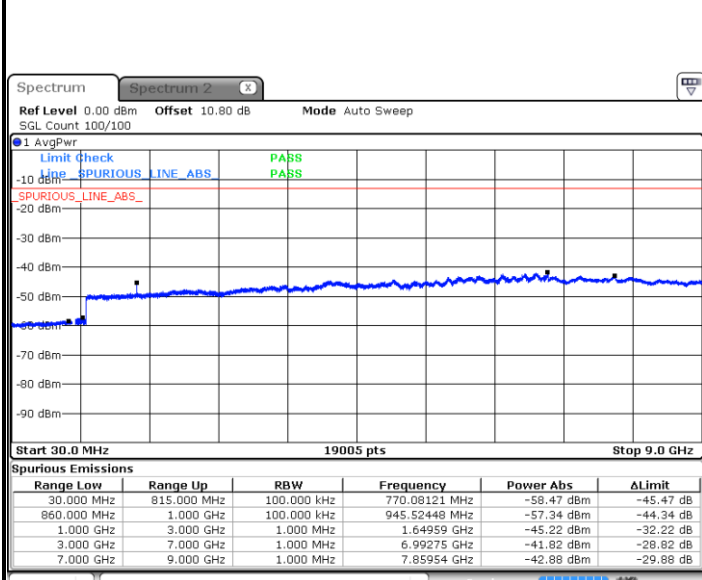
Highest Channel / 16QAM



Date: 24 AUG 2017 20:09:31

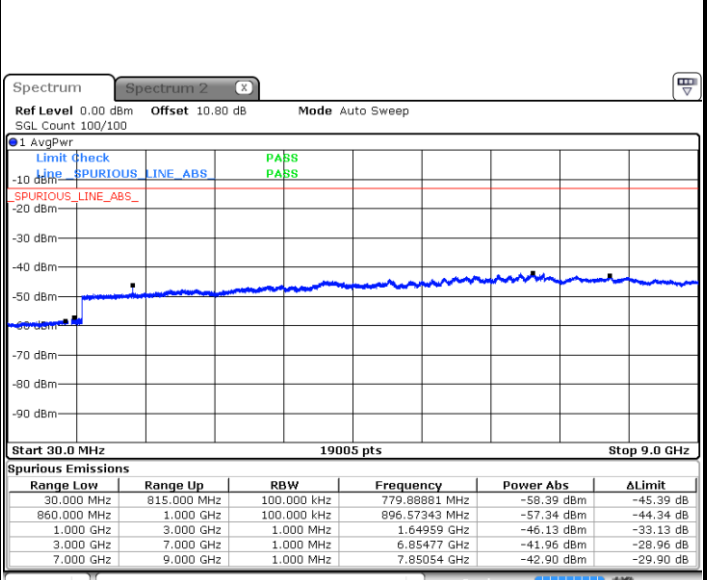
LTE Band 5 / 10MHz

Lowest Channel / QPSK



Date: 24 AUG 2017 20:17:40

Lowest Channel / 16QAM



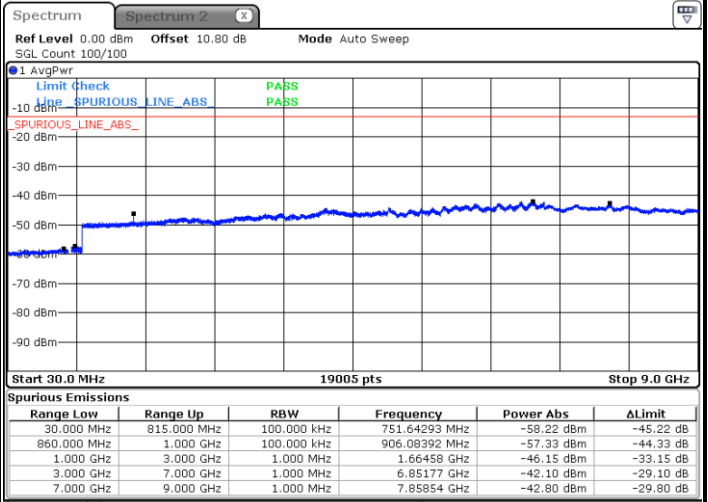
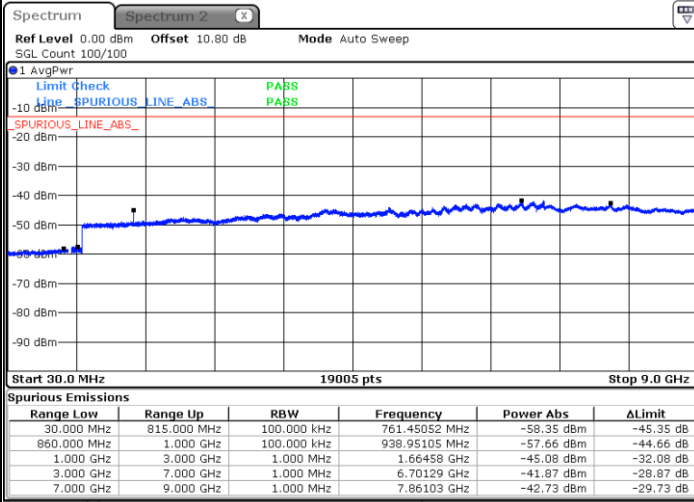
Date: 24 AUG 2017 20:18:34



LTE Band 5 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

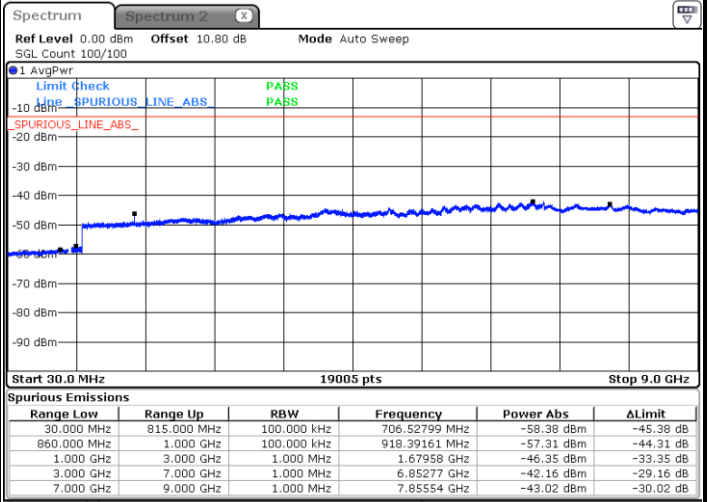
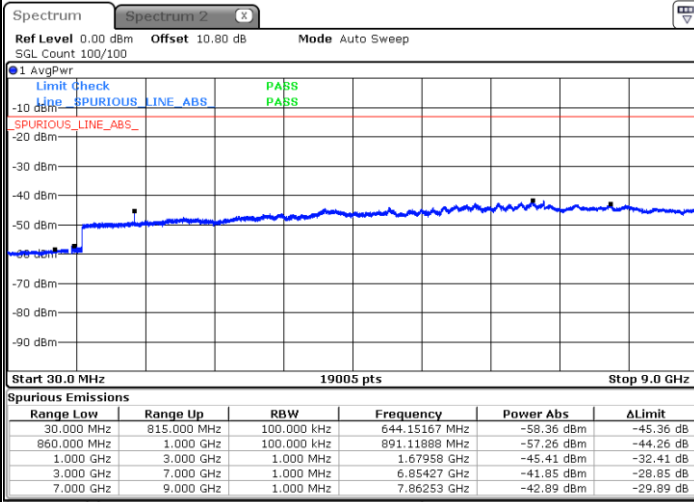


Date: 24.AUG.2017 20:20:08

Date: 24.AUG.2017 20:21:01

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 24.AUG.2017 20:29:10

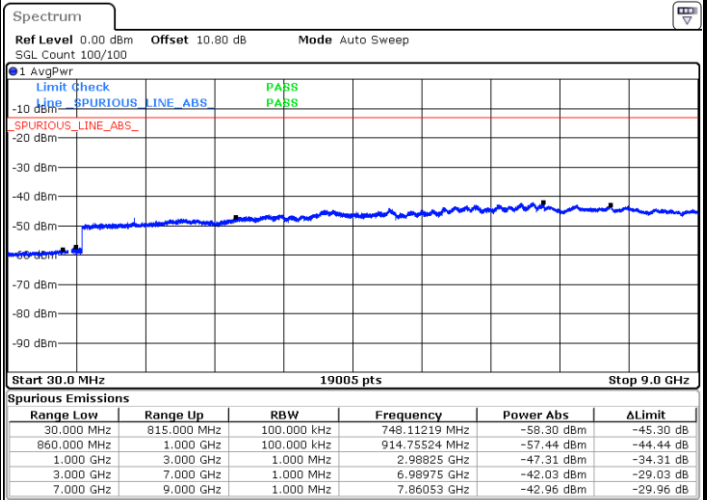
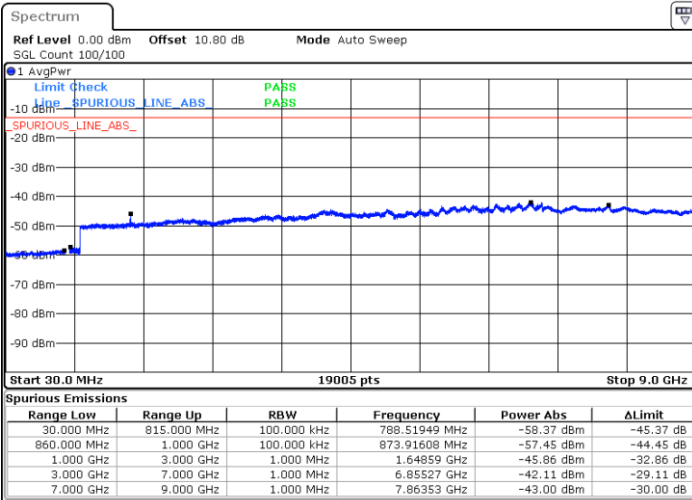
Date: 24.AUG.2017 20:30:04



LTE Band 5 / 1.4MHz

Lowest Channel / 64QAM

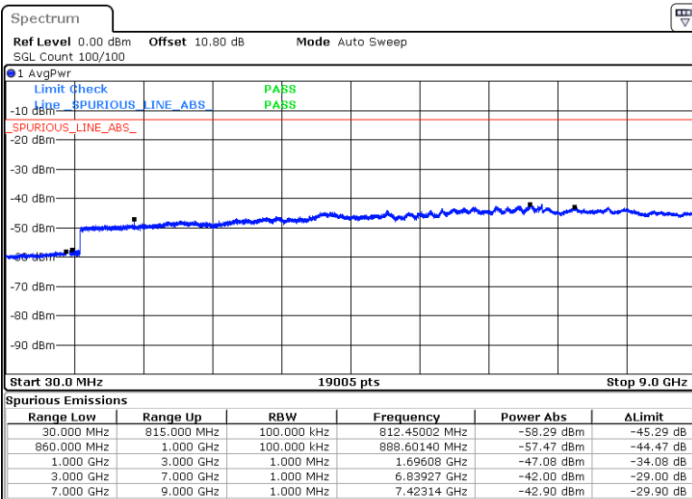
Middle Channel / 64QAM



Date: 19.OCT.2017 16:09:16

Date: 19.OCT.2017 16:10:30

Highest Channel / 64QAM

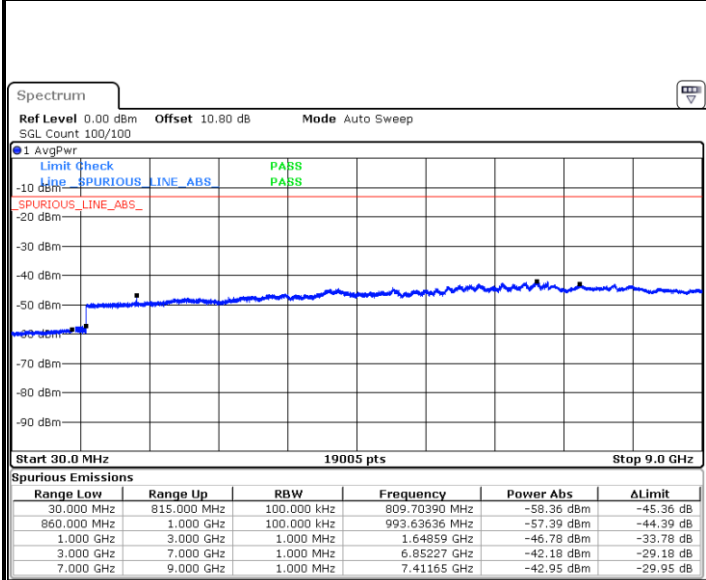


Date: 19.OCT.2017 16:15:01



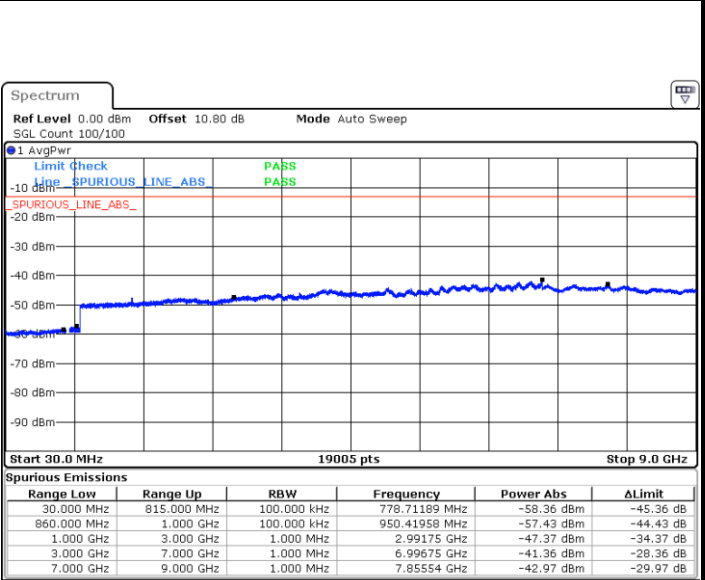
**LTE Band 5 / 3MHz**

**Lowest Channel / 64QAM**



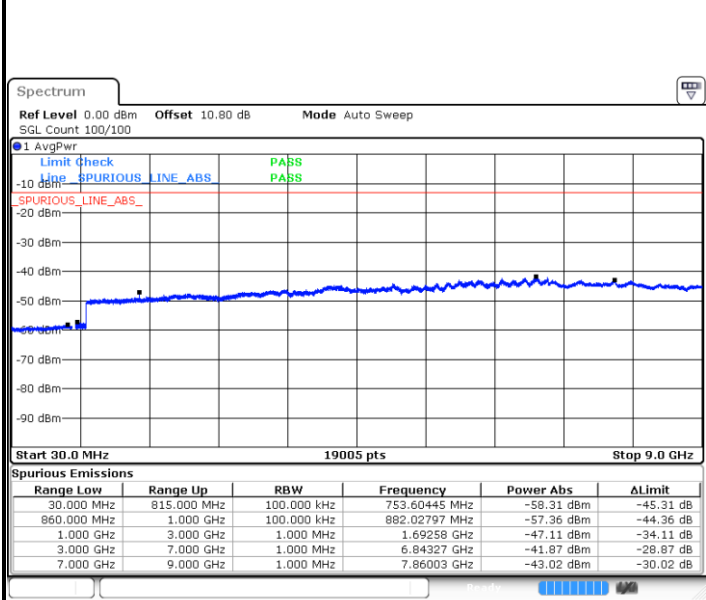
Date: 19.OCT.2017 15:34:34

**Middle Channel / 64QAM**



Date: 19.OCT.2017 15:35:48

**Highest Channel / 64QAM**



Date: 19.OCT.2017 15:40:19

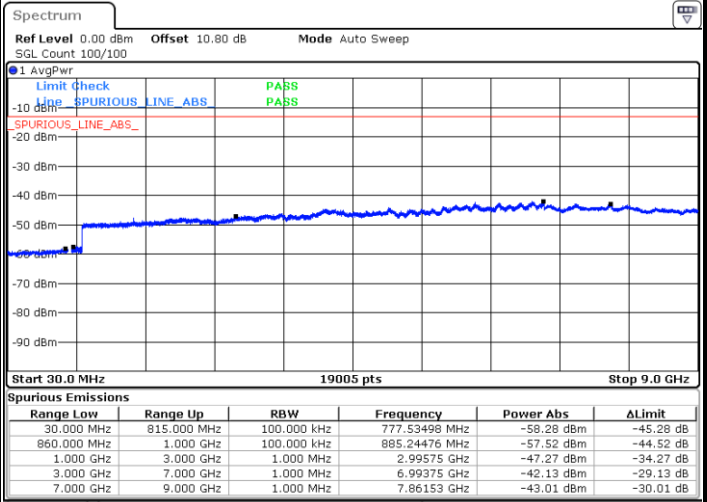
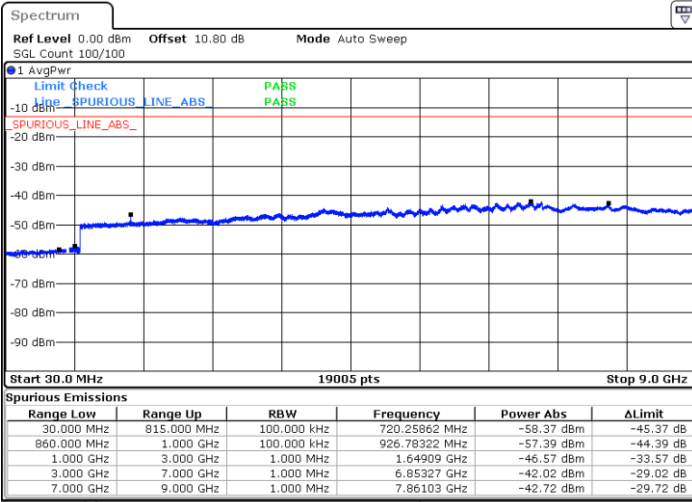




LTE Band 5 / 5MHz

Lowest Channel / 64QAM

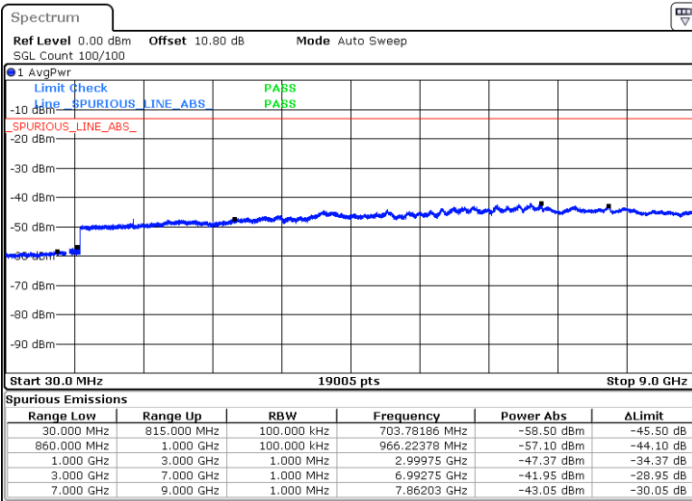
Middle Channel / 64QAM



Date: 19.OCT.2017 15:44:50

Date: 19.OCT.2017 15:46:04

Highest Channel / 64QAM



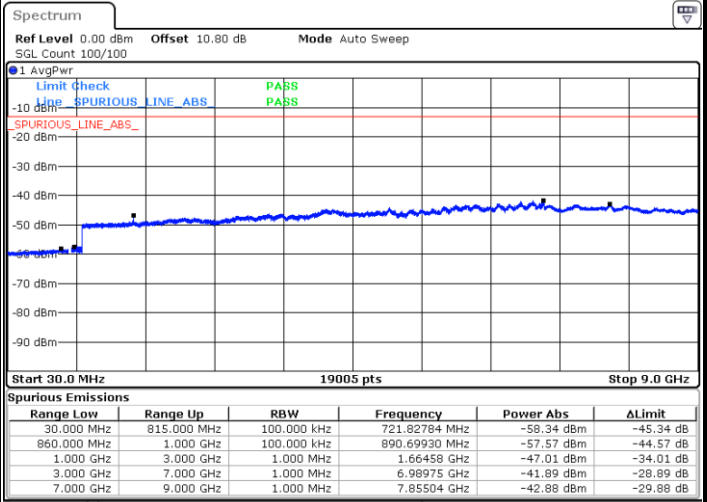
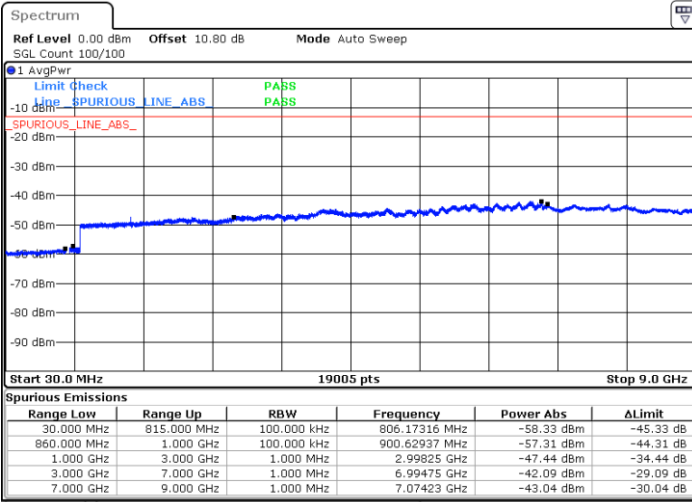
Date: 19.OCT.2017 15:50:35



LTE Band 5 / 10MHz

Lowest Channel / 64QAM

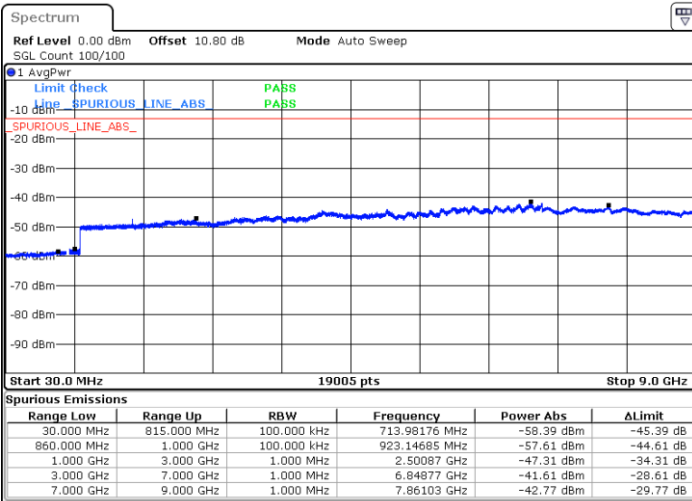
Middle Channel / 64QAM



Date: 19.OCT.2017 15:55:06

Date: 19.OCT.2017 15:56:20

Highest Channel / 64QAM



Date: 19.OCT.2017 16:00:51



**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	0.0170	PASS
40	Normal Voltage	0.0147	
30	Normal Voltage	0.0167	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

**Note:**

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 7

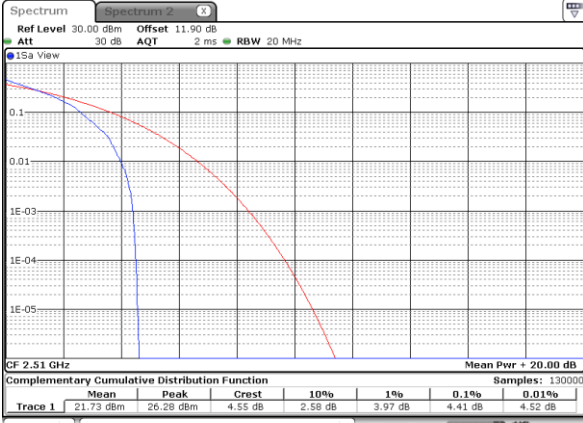
## Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.41	5.3	5.51	6.35	<b>PASS</b>
Middle CH	4.75	5.36	5.48	6.43	
Highest CH	4.81	5.01	5.45	6.2	
Mode	LTE Band 7 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.43	6.55	-	-	<b>PASS</b>
Middle CH	6.90	6.43	-	-	
Highest CH	6.87	6.32	-	-	



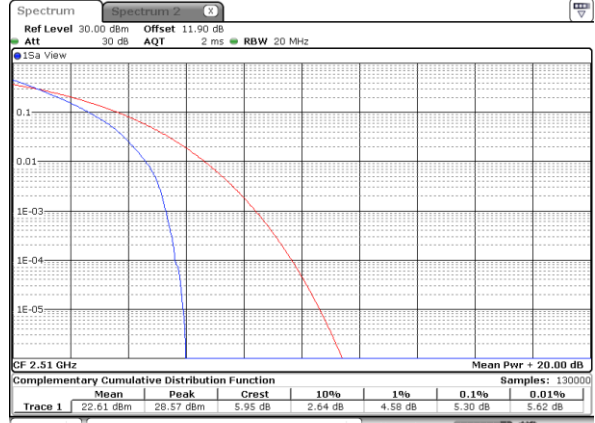
LTE Band 7 / 20MHz / QPSK

Lowest Channel / 1RB



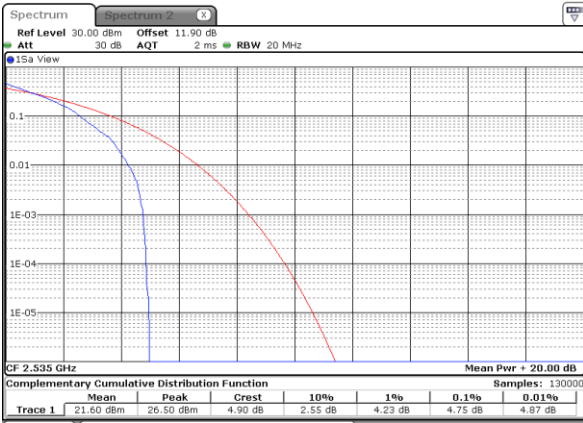
Date: 24 AUG 2017 14:37:10

Lowest Channel / Full RB



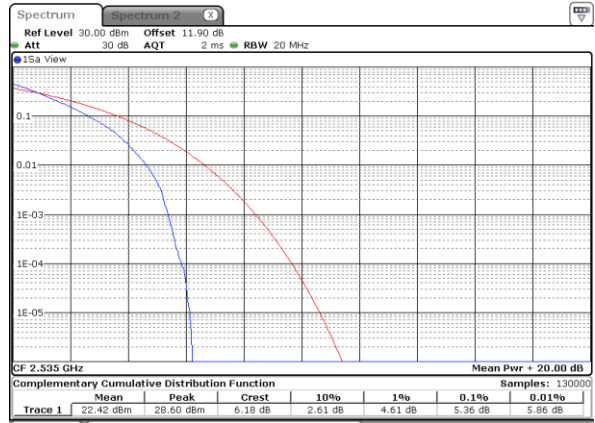
Date: 24 AUG 2017 14:37:22

Middle Channel / 1RB



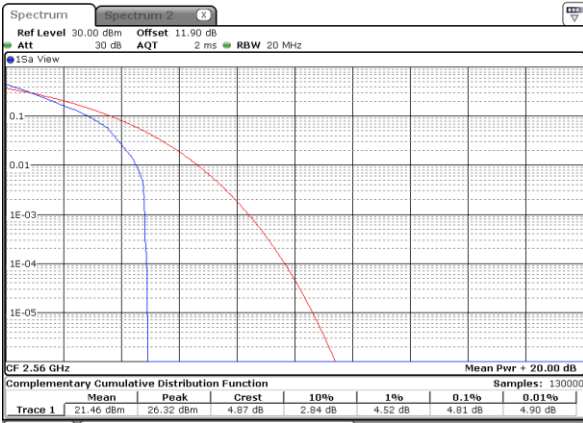
Date: 24 AUG 2017 14:37:37

Middle Channel / Full RB



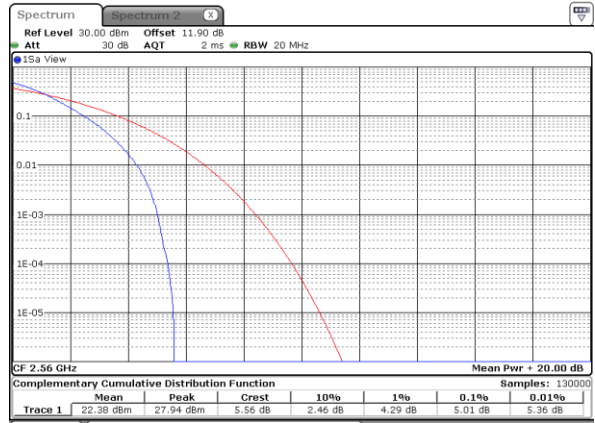
Date: 24 AUG 2017 14:38:43

Highest Channel / 1RB



Date: 24 AUG 2017 14:38:53

Highest Channel / Full RB



Date: 24 AUG 2017 14:39:02