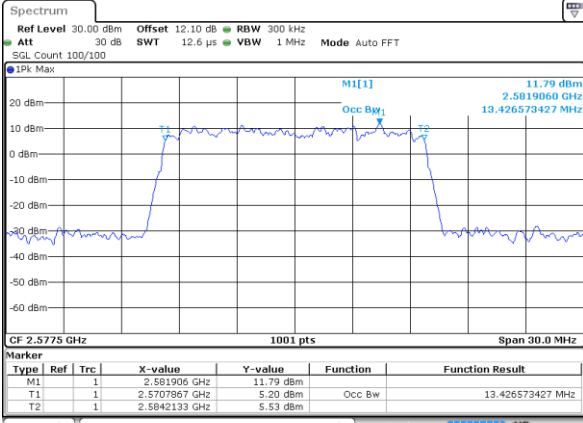




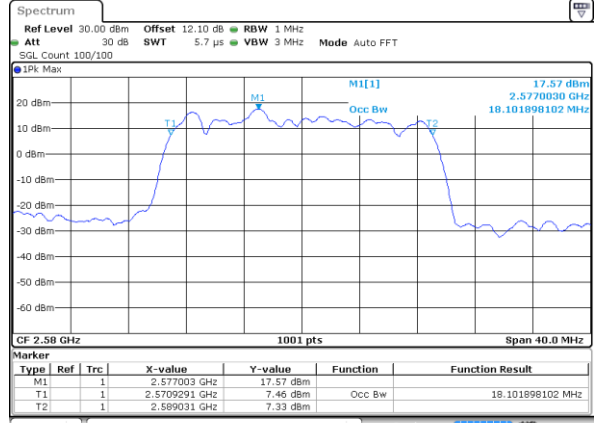
LTE Band 38

Lowest Channel / 15MHz / 64QAM



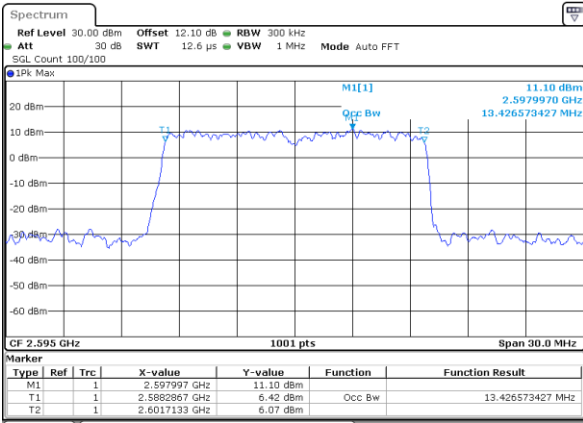
Date: 22 FEB 2018 21:47:46

Lowest Channel / 20MHz / 64QAM



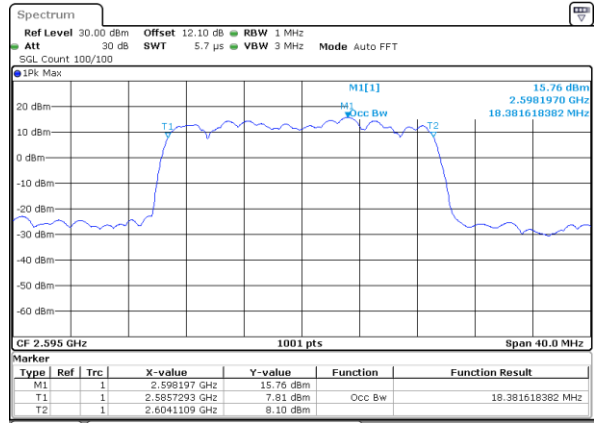
Date: 22 FEB 2018 21:48:45

Middle Channel / 15MHz / 64QAM



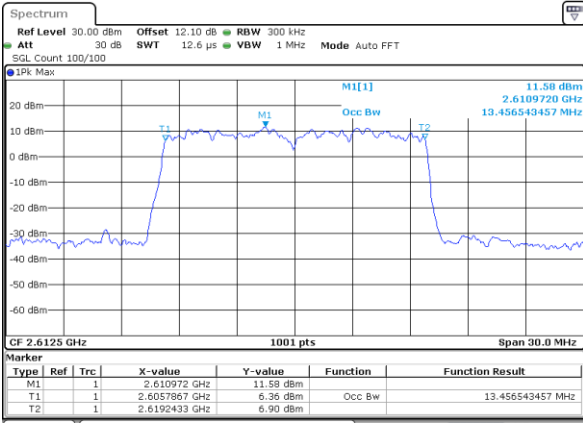
Date: 22 FEB 2018 21:48:05

Middle Channel / 20MHz / 64QAM



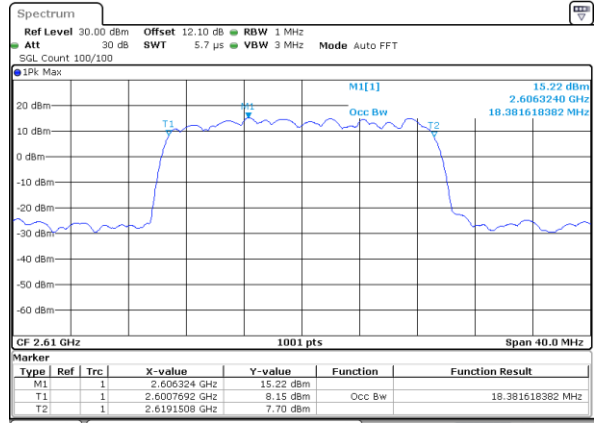
Date: 22 FEB 2018 21:49:05

Highest Channel / 15MHz / 64QAM



Date: 22 FEB 2018 21:48:25

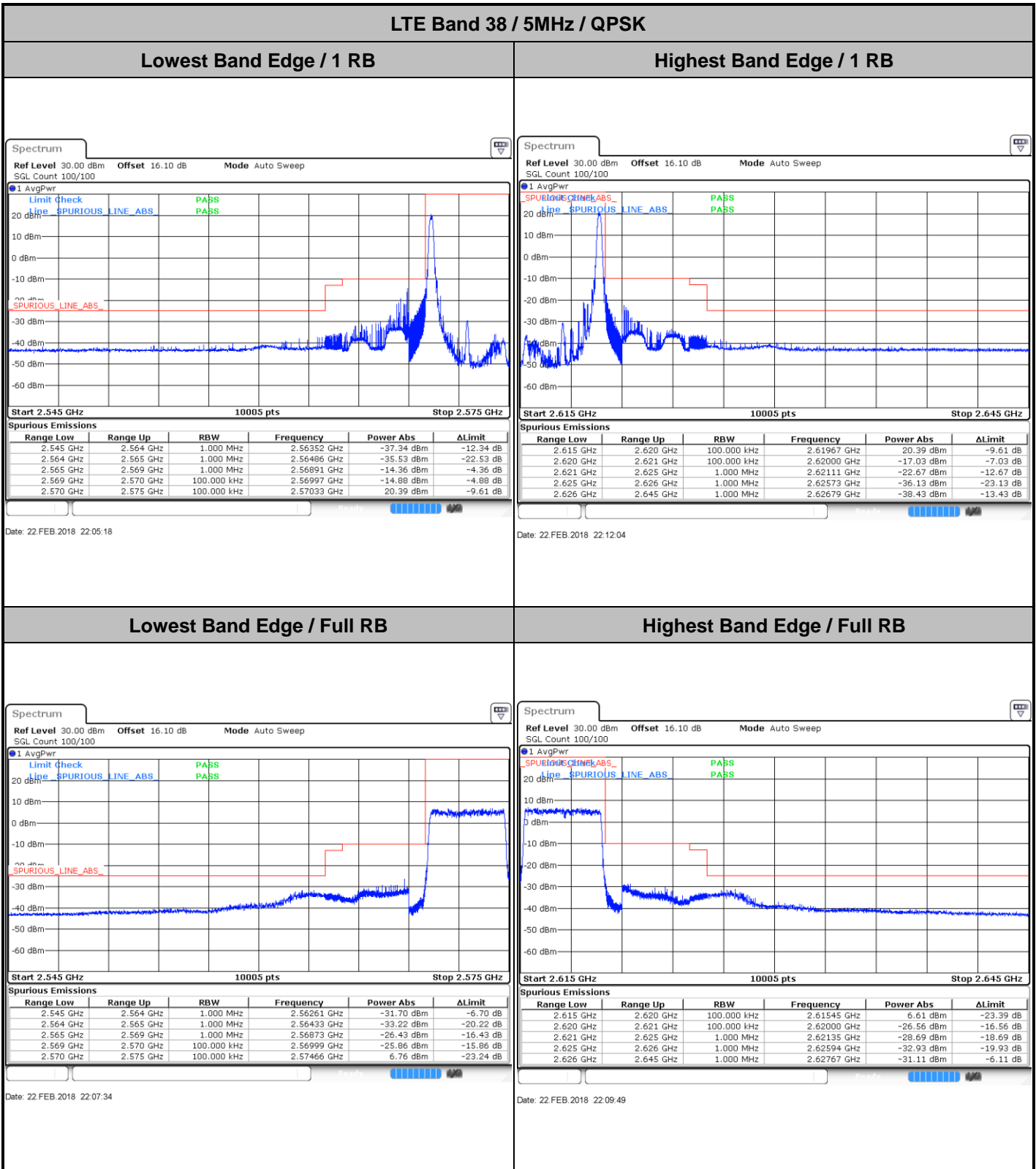
Highest Channel / 20MHz / 64QAM



Date: 22 FEB 2018 21:49:24



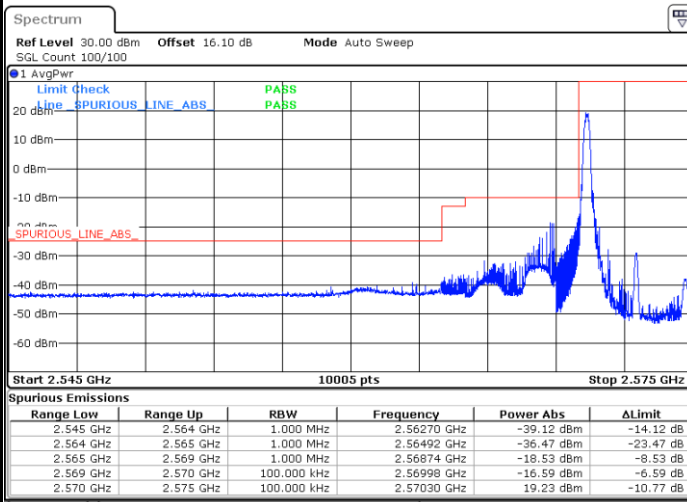
# Conducted Band Edge





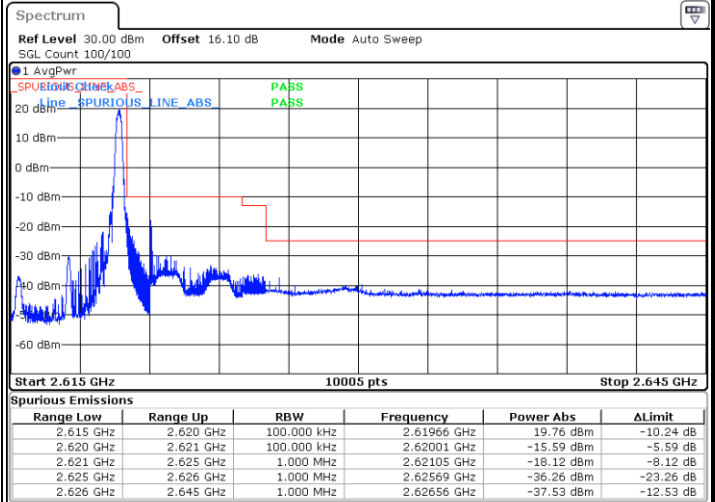
LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB



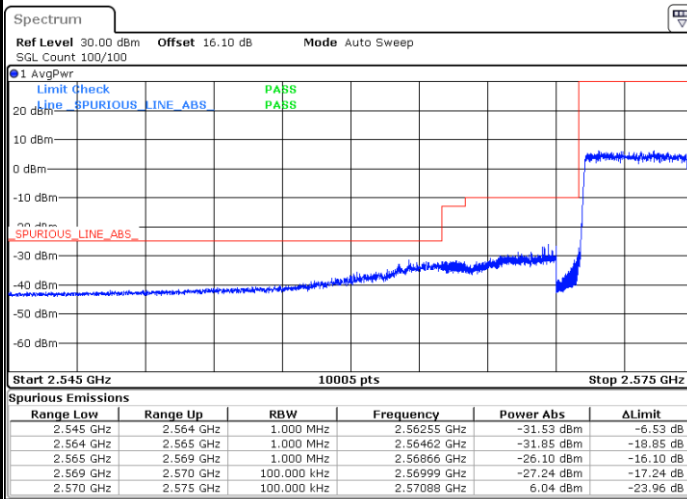
Date: 22.FEB.2018 22:06:26

Highest Band Edge / 1 RB



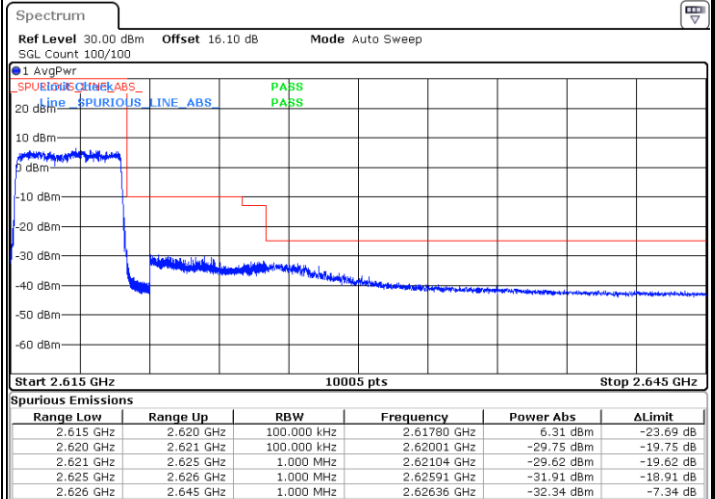
Date: 22.FEB.2018 22:13:12

Lowest Band Edge / Full RB



Date: 22.FEB.2018 22:08:41

Highest Band Edge / Full RB

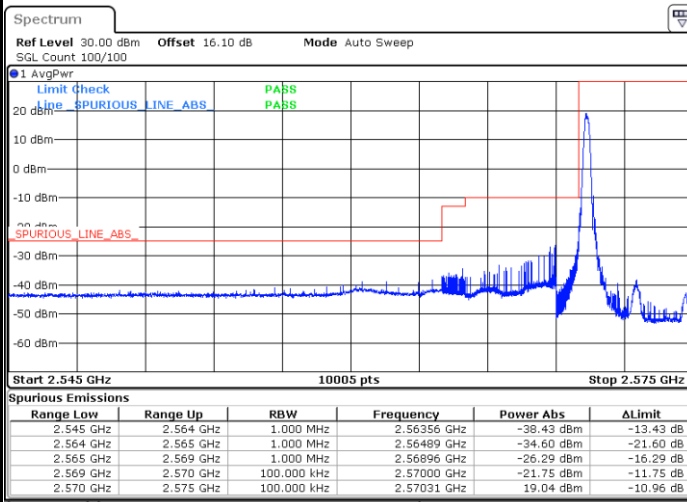


Date: 22.FEB.2018 22:10:57



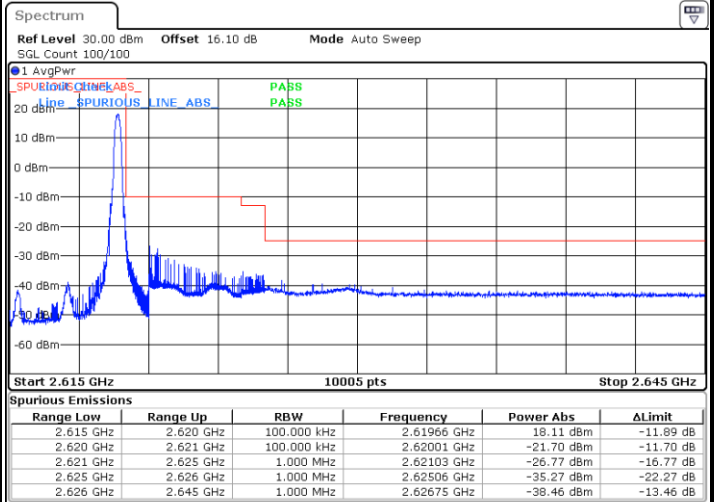
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



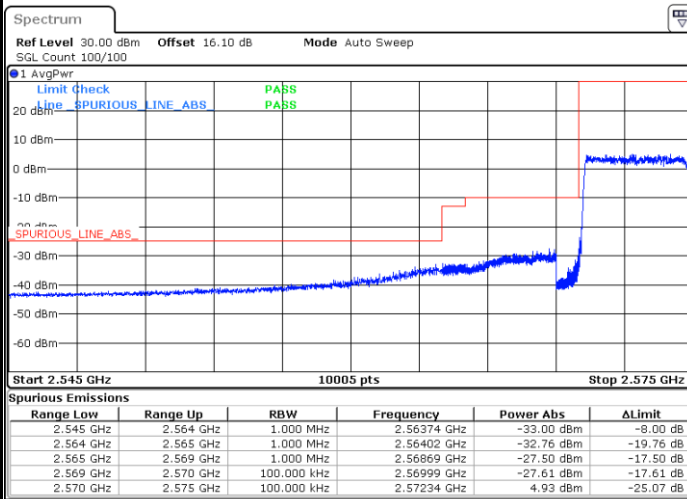
Date: 22.FEB.2018 22:44:20

Highest Band Edge / 1 RB



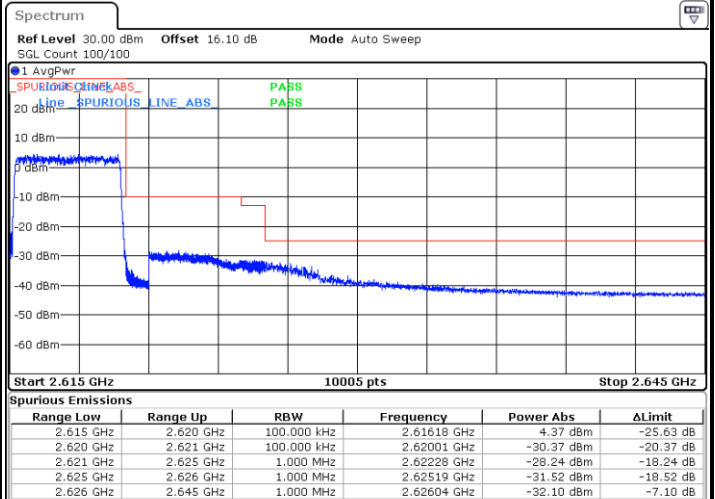
Date: 22.FEB.2018 22:47:42

Lowest Band Edge / Full RB



Date: 22.FEB.2018 22:45:27

Highest Band Edge / Full RB

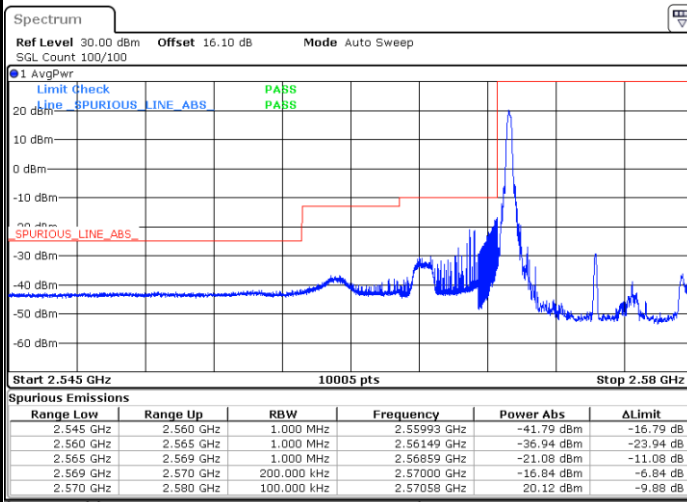


Date: 22.FEB.2018 22:46:35



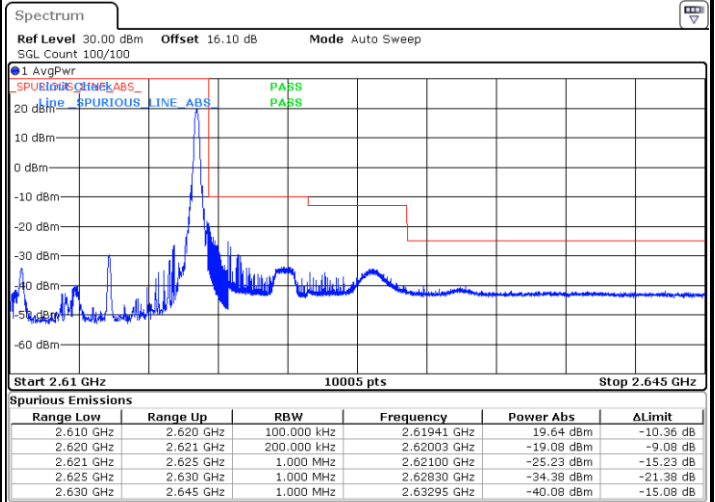
LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB



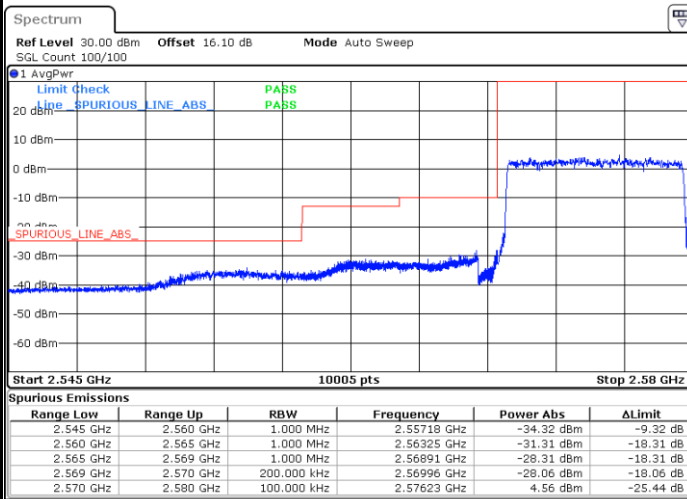
Date: 22.FEB.2018 22:14:19

Highest Band Edge / 1 RB



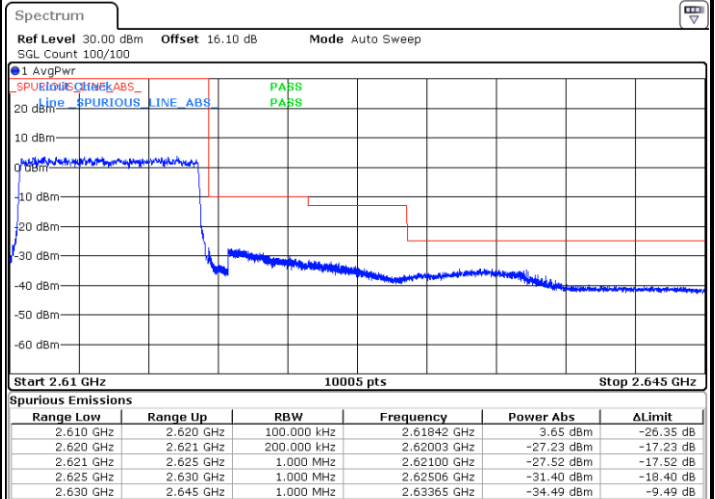
Date: 22.FEB.2018 22:21:05

Lowest Band Edge / Full RB



Date: 22.FEB.2018 22:16:35

Highest Band Edge / Full RB

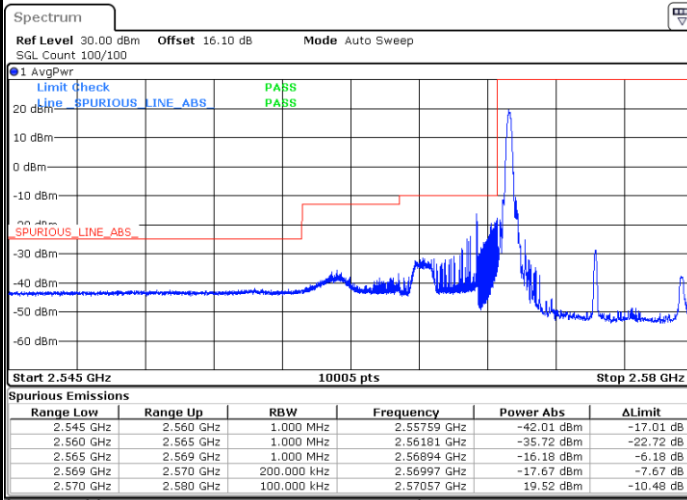


Date: 22.FEB.2018 22:18:50



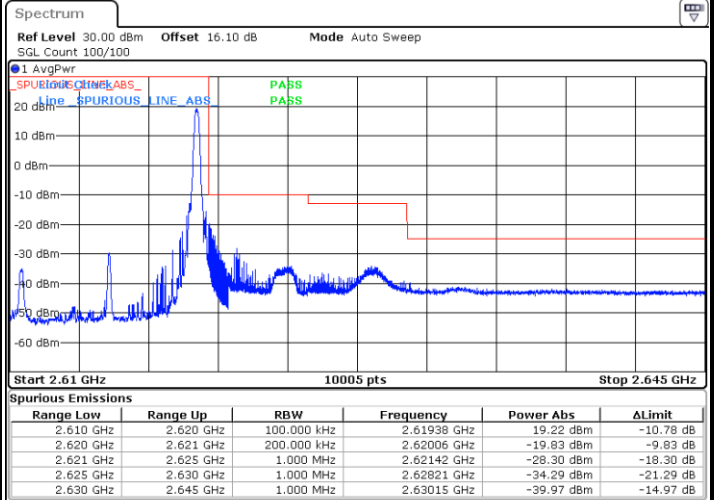
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



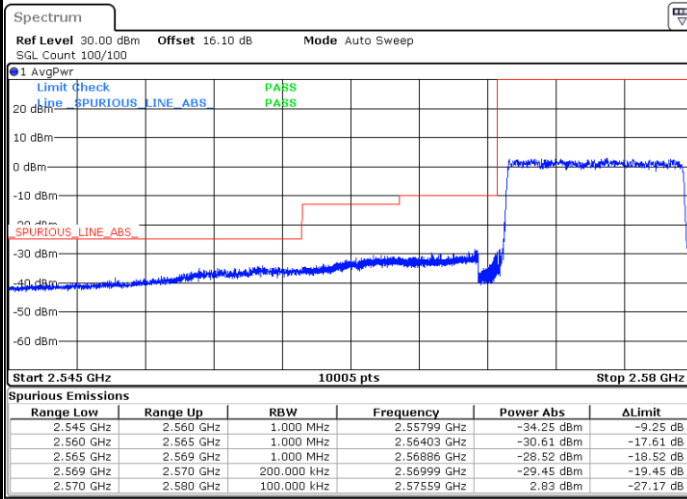
Date: 22.FEB.2018 22:15:27

Highest Band Edge / 1 RB



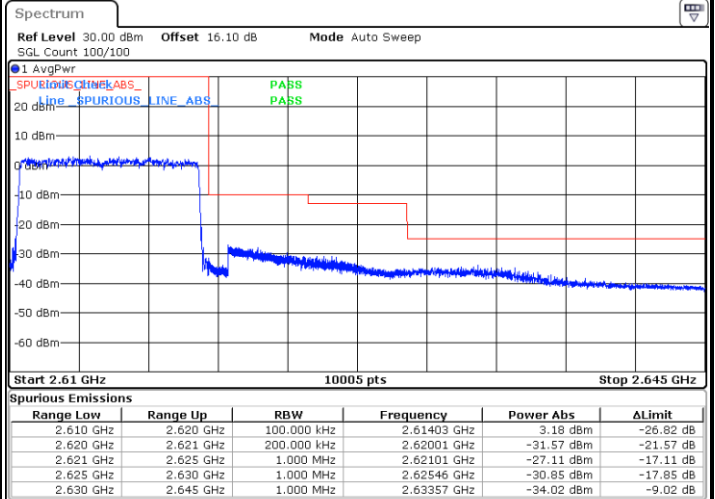
Date: 22.FEB.2018 22:22:13

Lowest Band Edge / Full RB



Date: 22.FEB.2018 22:17:42

Highest Band Edge / Full RB



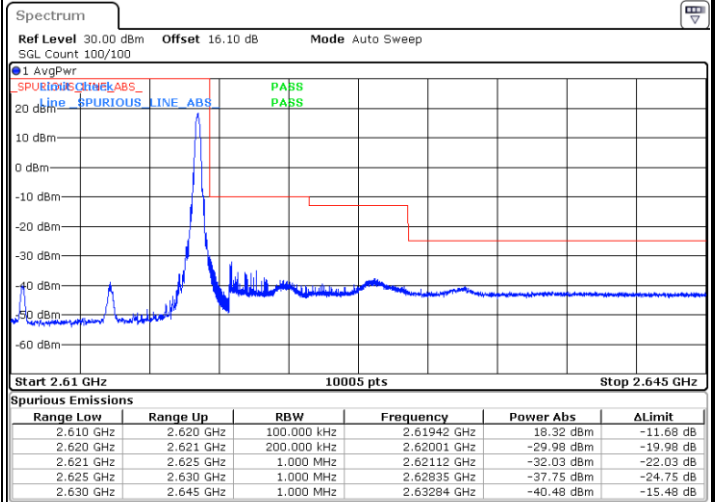
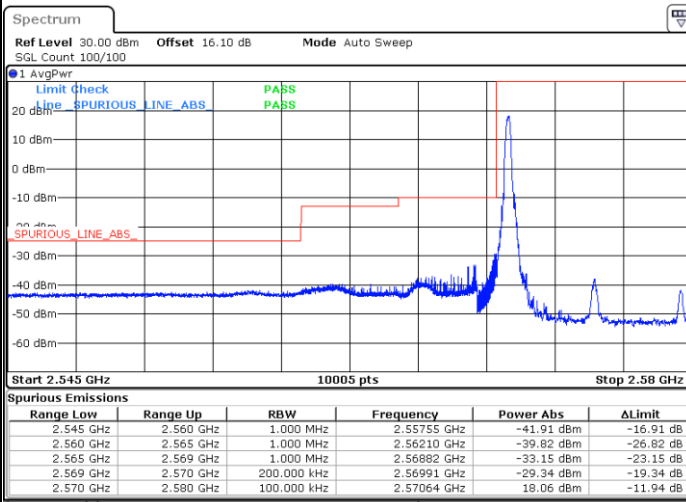
Date: 22.FEB.2018 22:19:58



LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

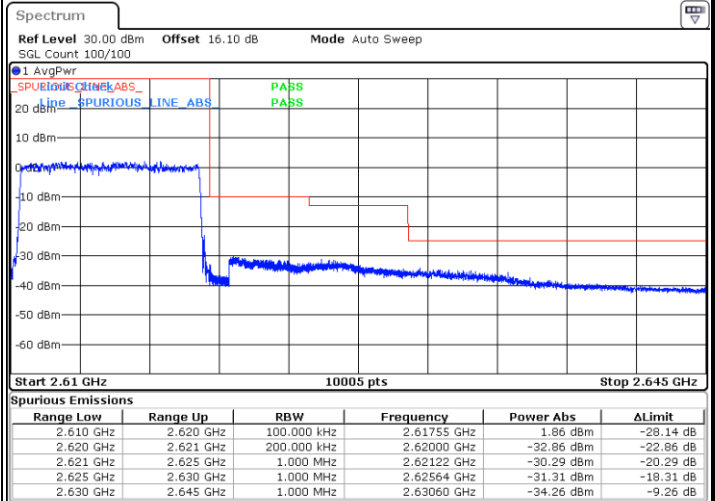
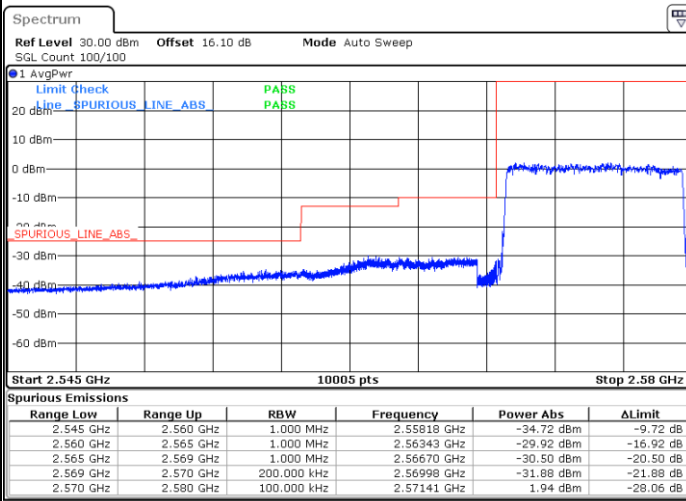


Date: 22.FEB.2018 22:48:50

Date: 22.FEB.2018 22:52:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



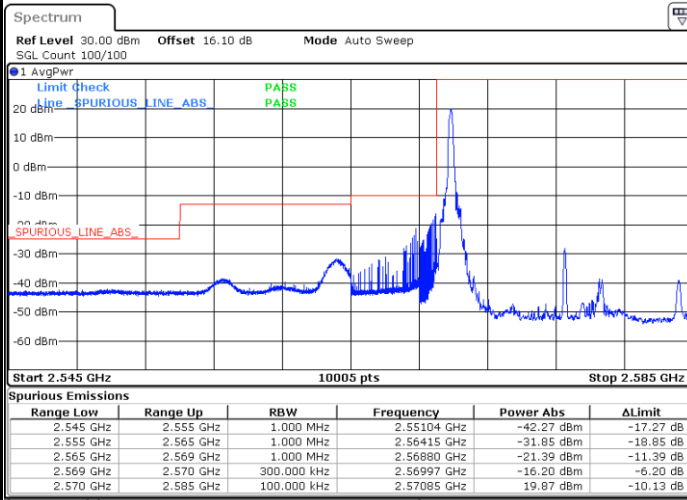
Date: 22.FEB.2018 22:49:58

Date: 22.FEB.2018 22:51:05



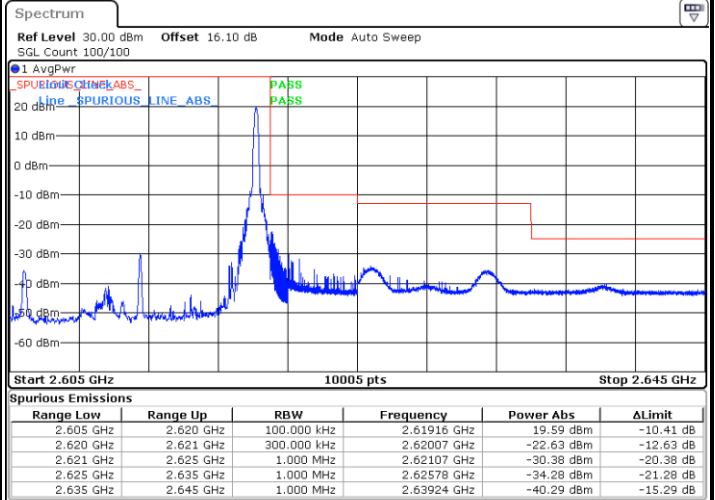
LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / 1 RB



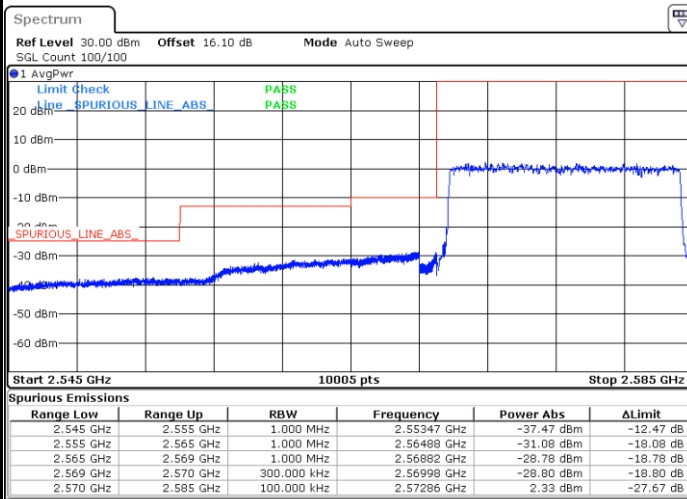
Date: 22.FEB.2018 22:23:20

Highest Band Edge / 1 RB



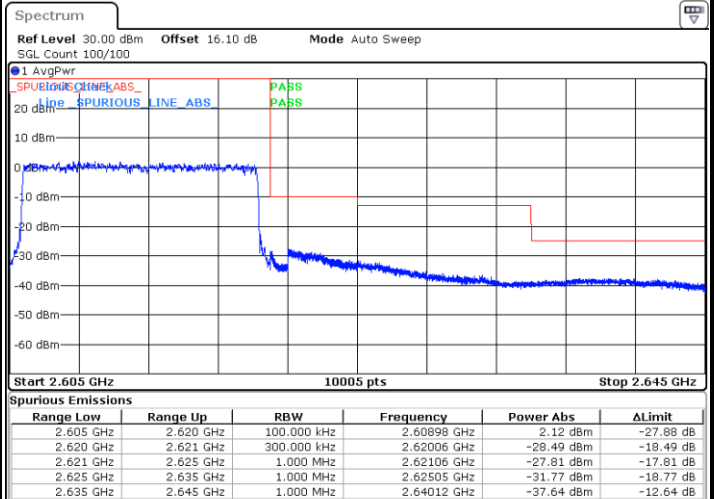
Date: 22.FEB.2018 22:30:06

Lowest Band Edge / Full RB



Date: 22.FEB.2018 22:25:36

Highest Band Edge / Full RB



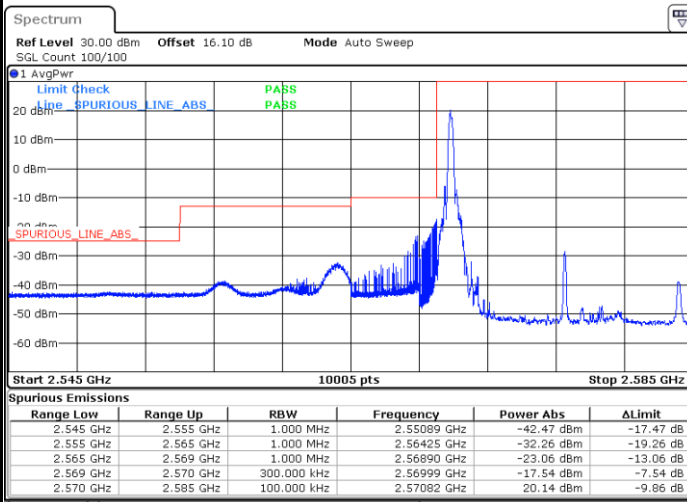
Date: 22.FEB.2018 22:27:51





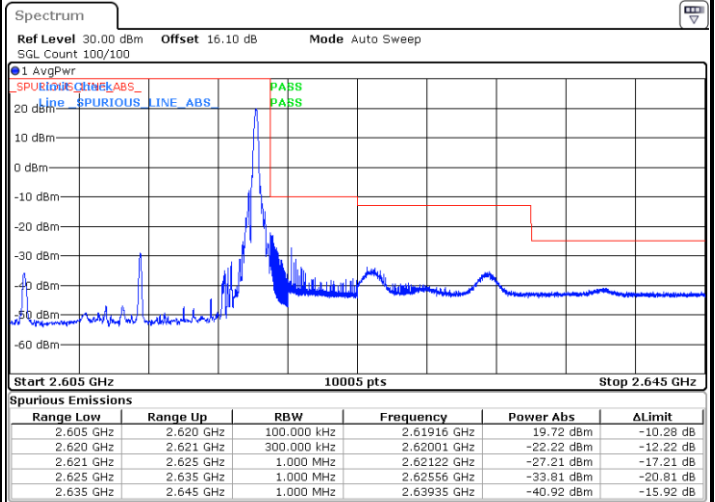
LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



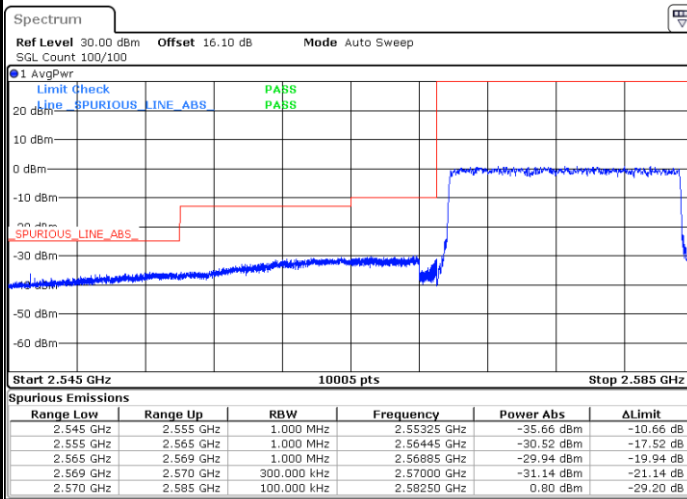
Date: 22.FEB.2018 22:24:28

Highest Band Edge / 1 RB



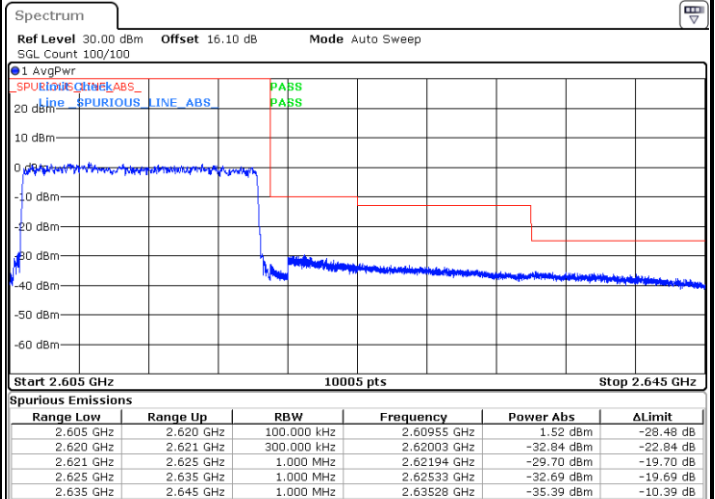
Date: 22.FEB.2018 22:31:14

Lowest Band Edge / Full RB



Date: 22.FEB.2018 22:26:43

Highest Band Edge / Full RB

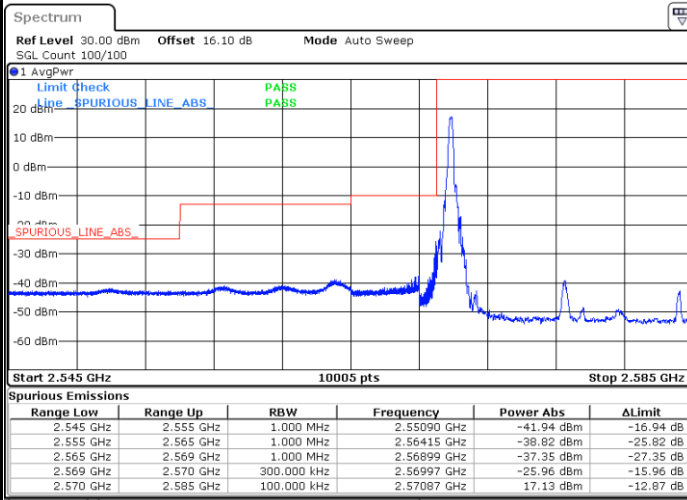


Date: 22.FEB.2018 22:28:58



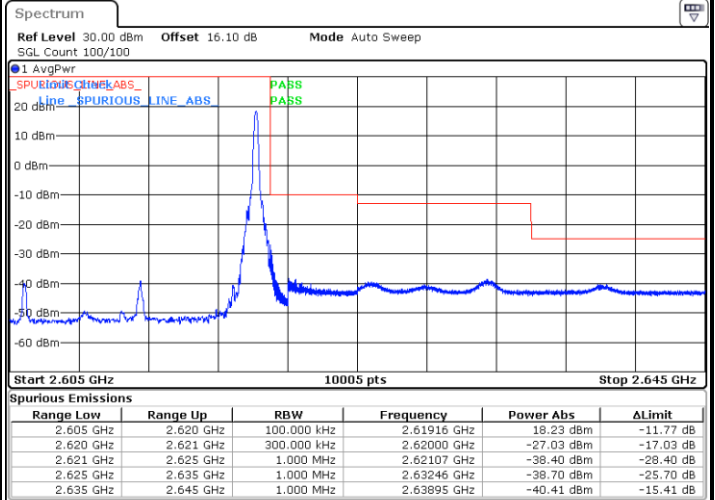
LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



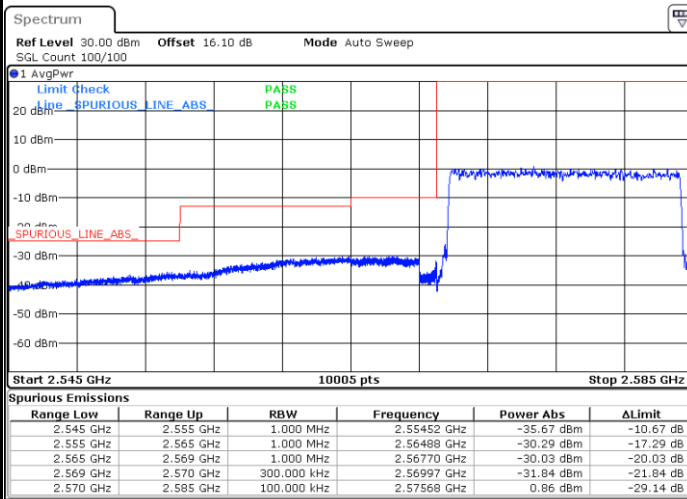
Date: 22.FEB.2018 22:53:21

Highest Band Edge / 1 RB



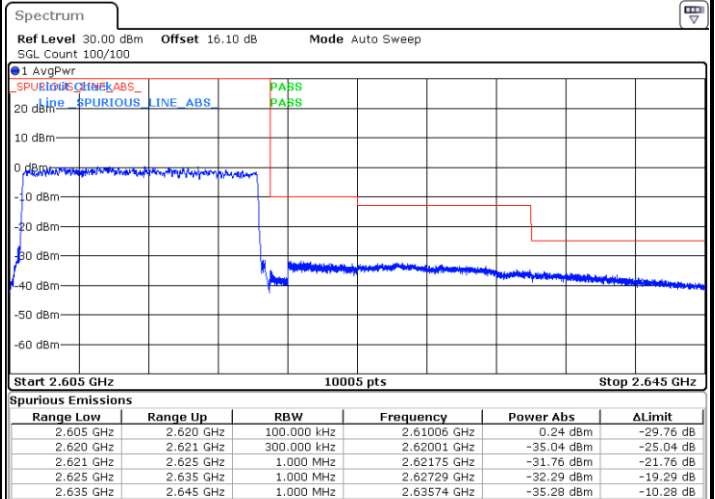
Date: 22.FEB.2018 22:56:43

Lowest Band Edge / Full RB



Date: 22.FEB.2018 22:54:28

Highest Band Edge / Full RB

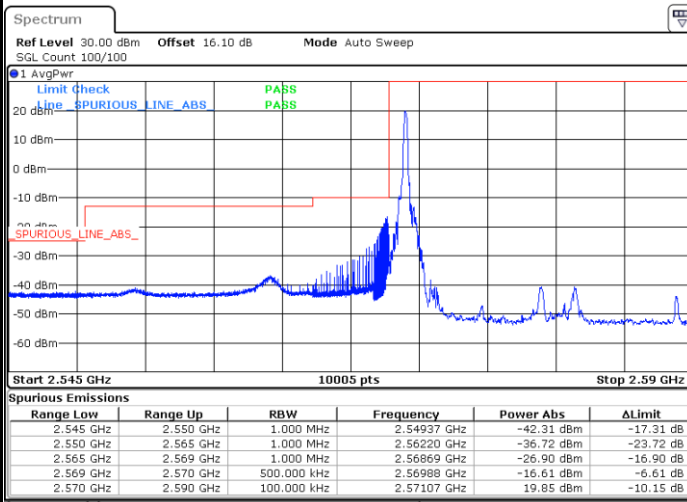


Date: 22.FEB.2018 22:55:36



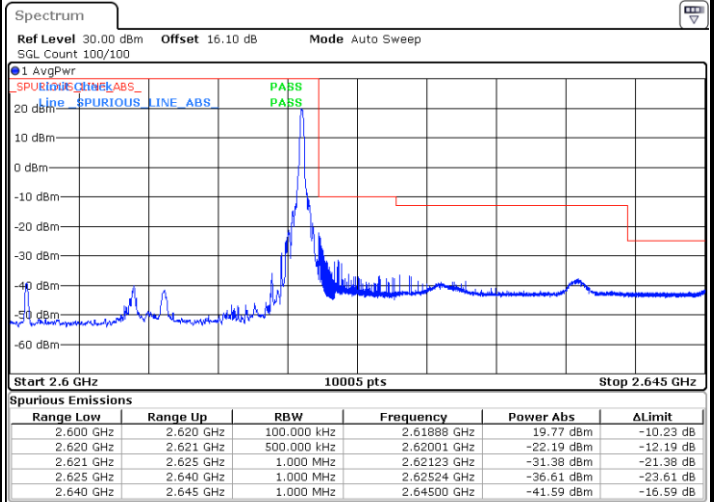
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / 1 RB



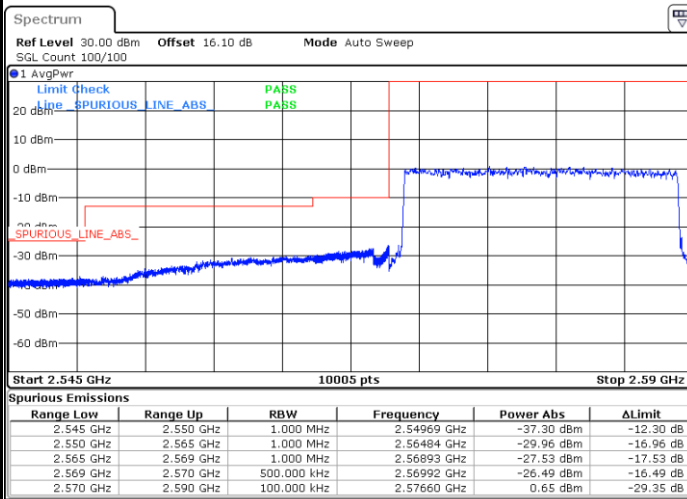
Date: 22.FEB.2018 22:35:19

Highest Band Edge / 1 RB



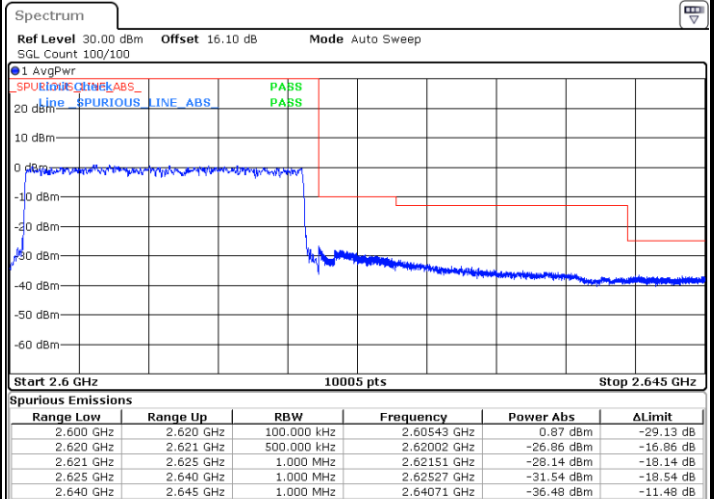
Date: 22.FEB.2018 22:42:04

Lowest Band Edge / Full RB



Date: 22.FEB.2018 22:37:34

Highest Band Edge / Full RB

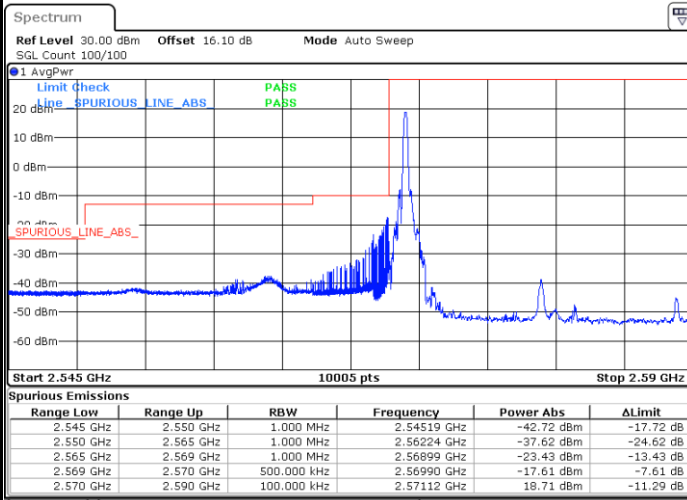


Date: 22.FEB.2018 22:39:49



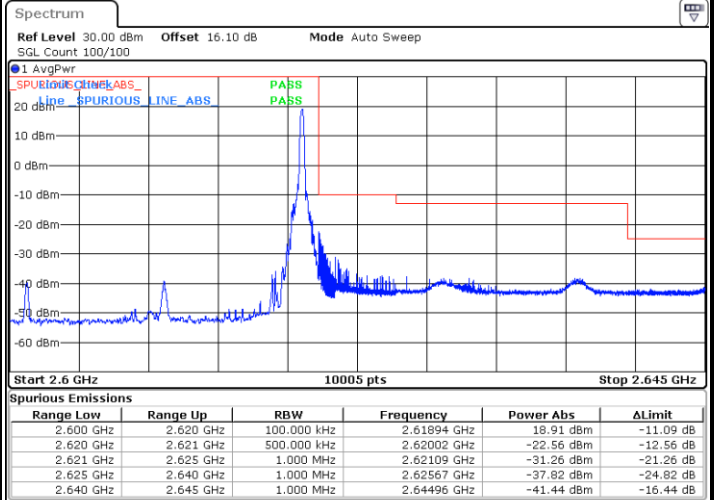
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



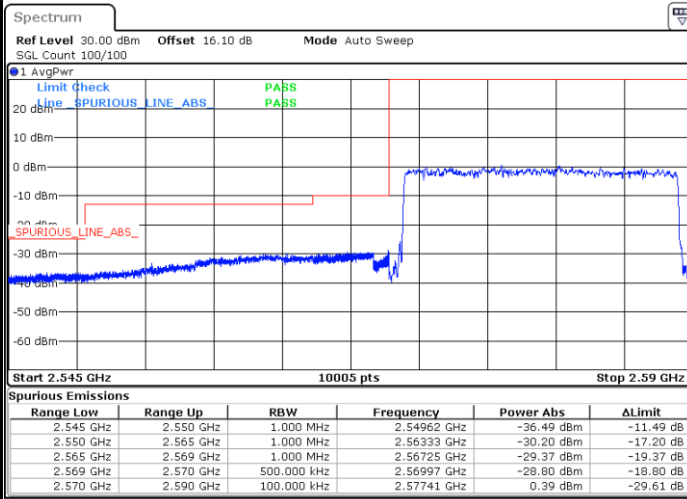
Date: 22.FEB.2018 22:36:26

Highest Band Edge / 1 RB



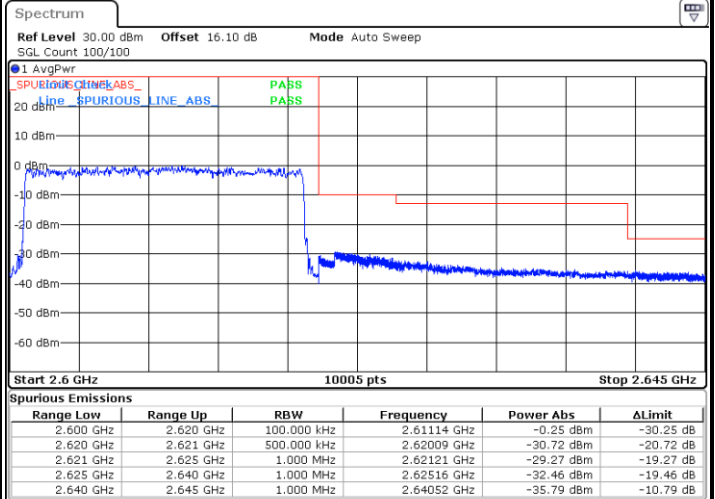
Date: 22.FEB.2018 22:43:12

Lowest Band Edge / Full RB



Date: 22.FEB.2018 22:38:41

Highest Band Edge / Full RB

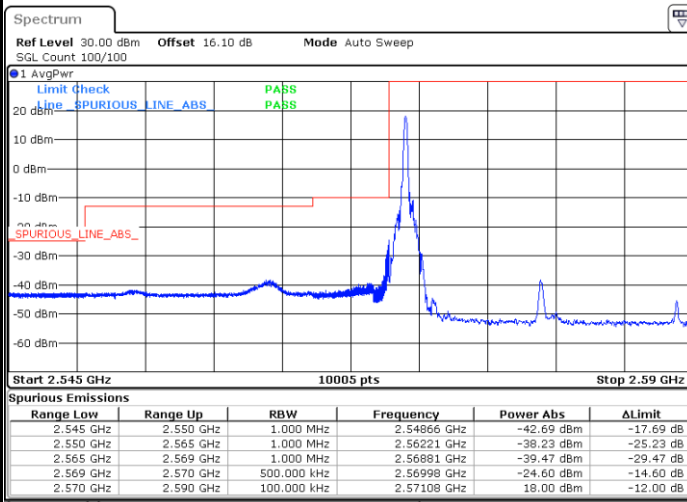


Date: 22.FEB.2018 22:40:57



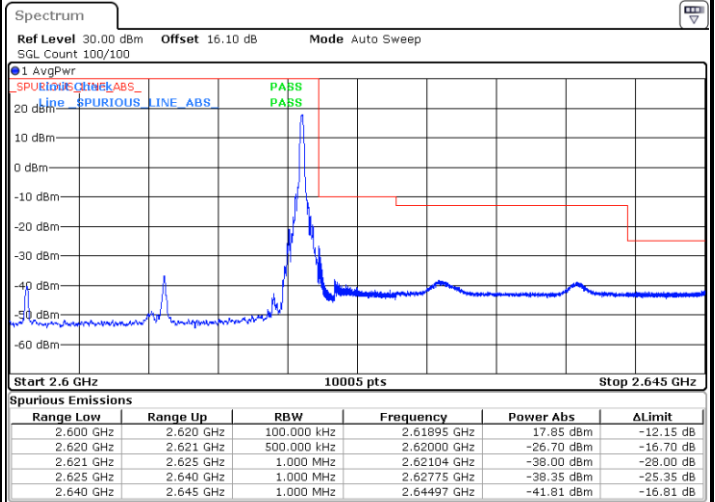
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



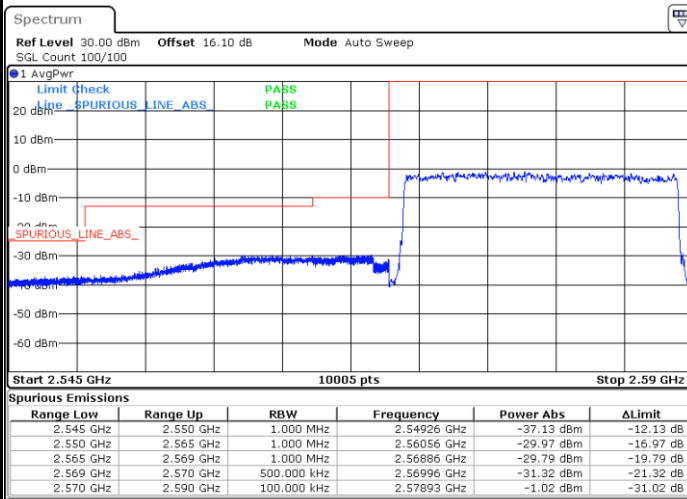
Date: 22.FEB.2018 22:57:51

Highest Band Edge / 1 RB



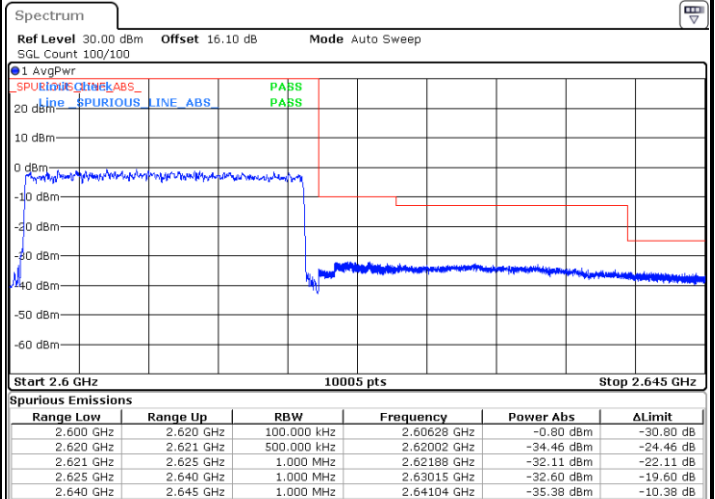
Date: 22.FEB.2018 23:01:14

Lowest Band Edge / Full RB



Date: 22.FEB.2018 22:58:59

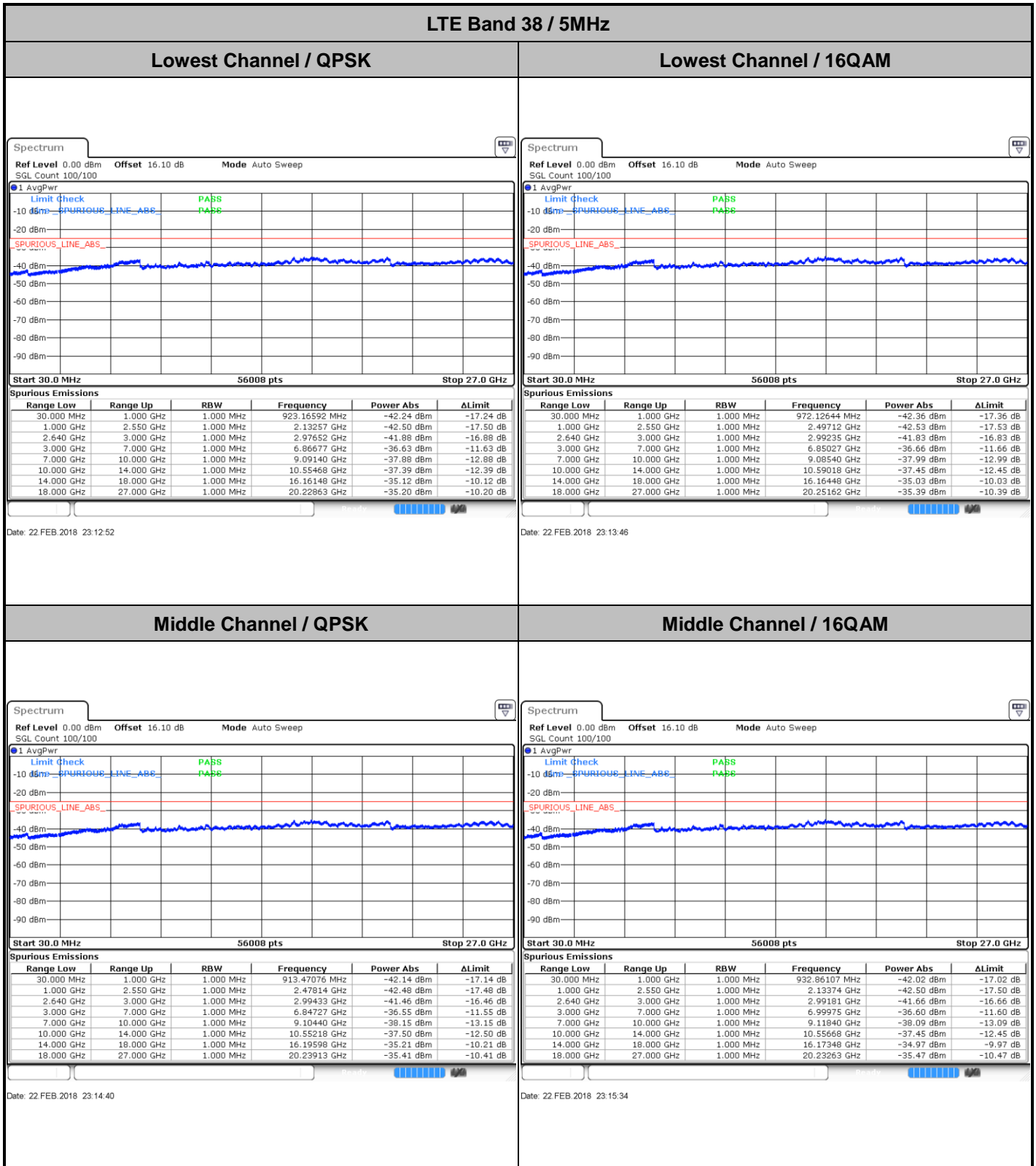
Highest Band Edge / Full RB



Date: 22.FEB.2018 23:00:06



# Conducted Spurious Emission

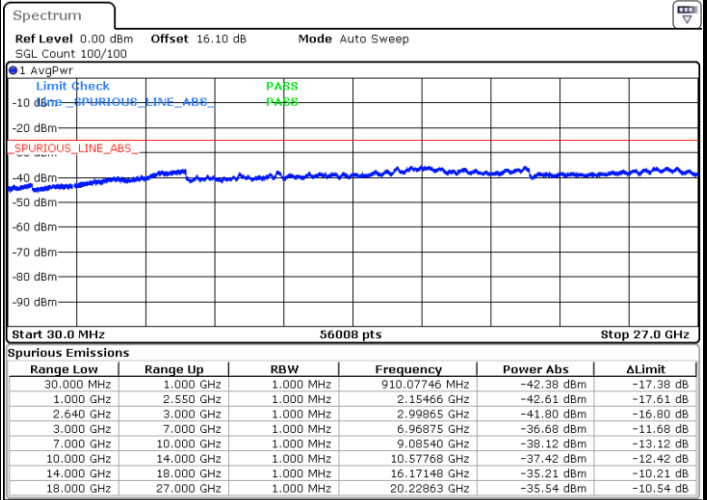
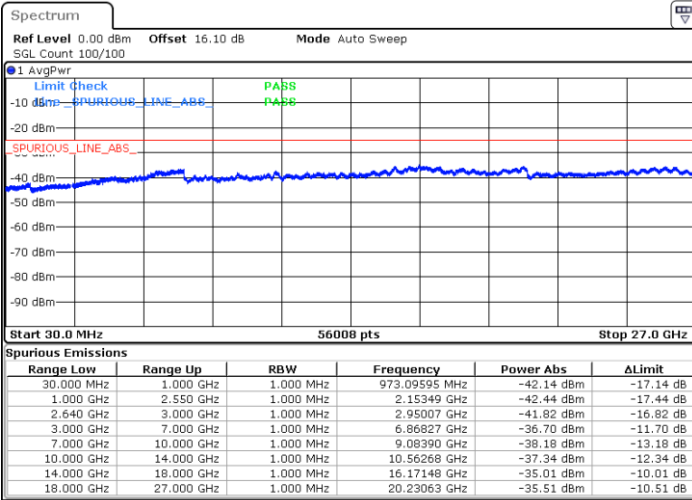




LTE Band 38 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



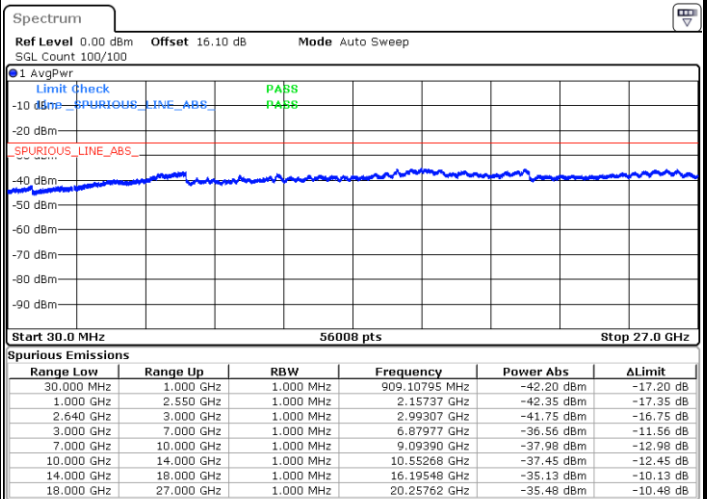
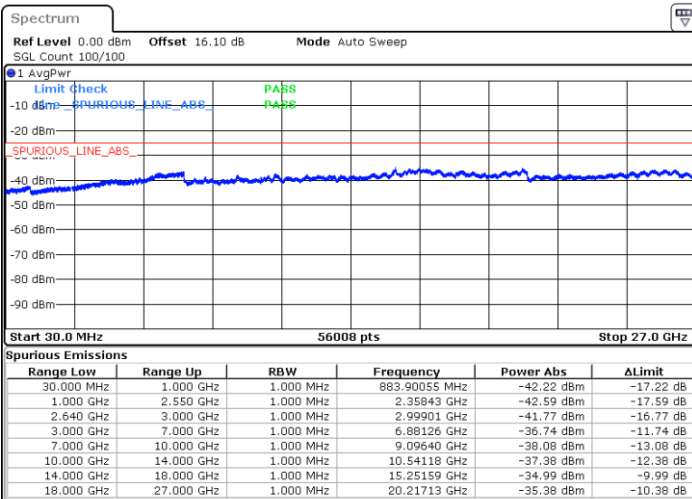
Date: 22 FEB 2018 23:16:28

Date: 22 FEB 2018 23:17:21

LTE Band 38 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 22 FEB 2018 23:18:15

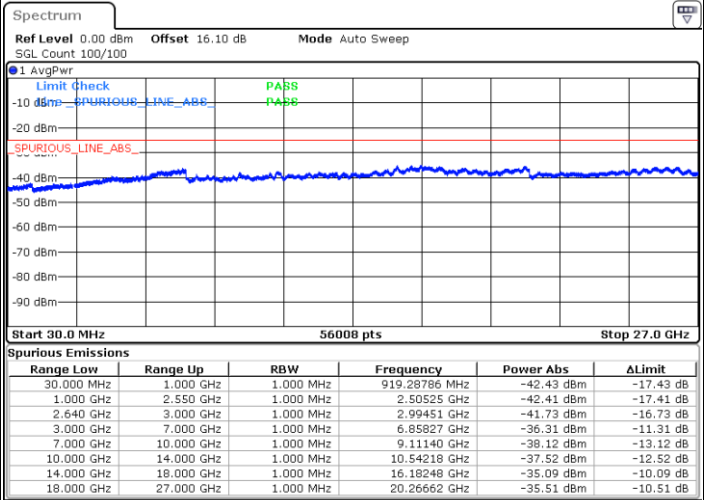
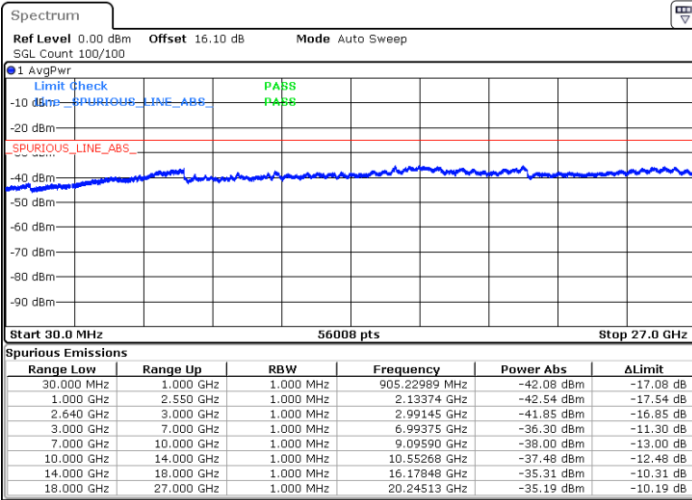
Date: 22 FEB 2018 23:19:09



LTE Band 38 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

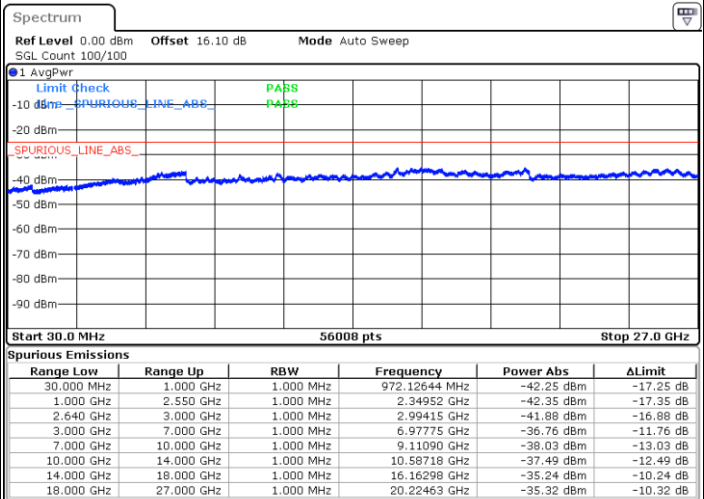
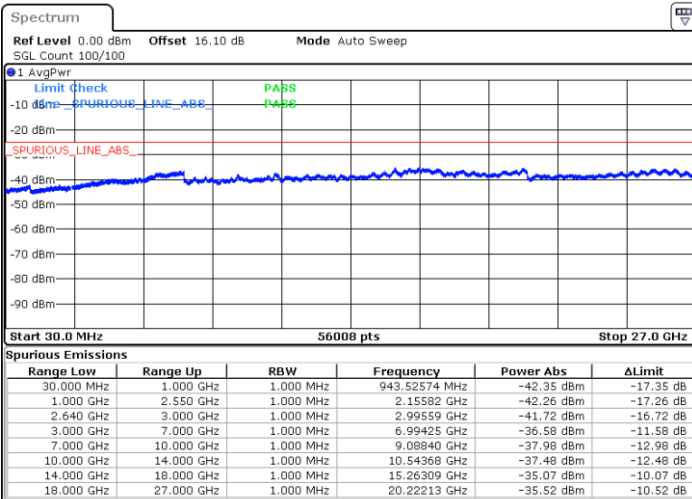


Date: 22 FEB 2018 23:20:03

Date: 22 FEB 2018 23:20:56

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 22 FEB 2018 23:21:50

Date: 22 FEB 2018 23:22:44

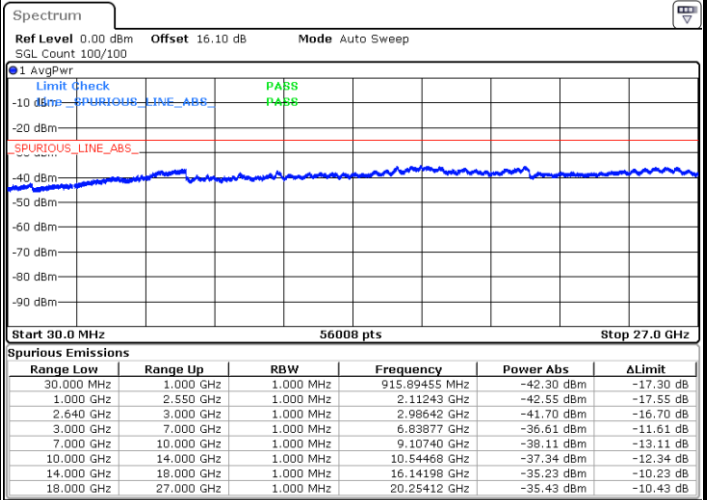
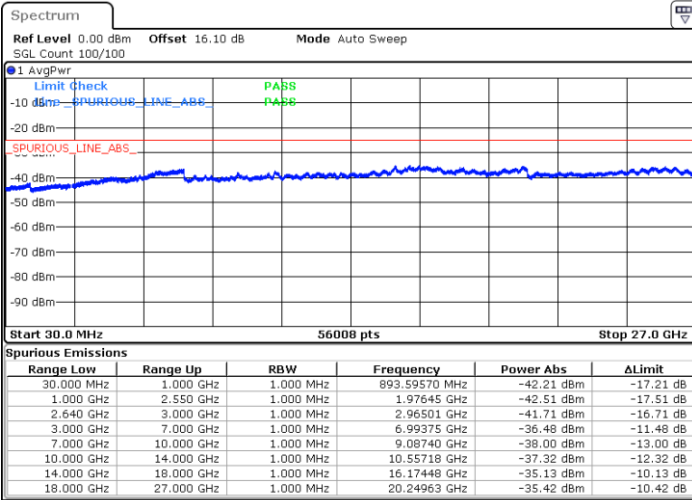




LTE Band 38 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

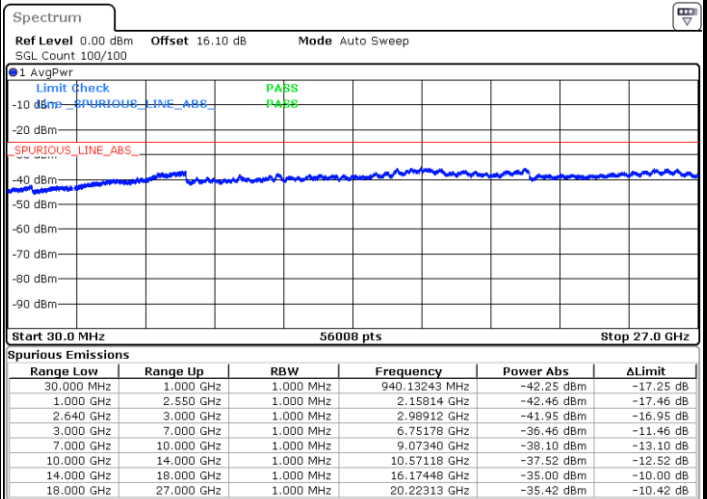
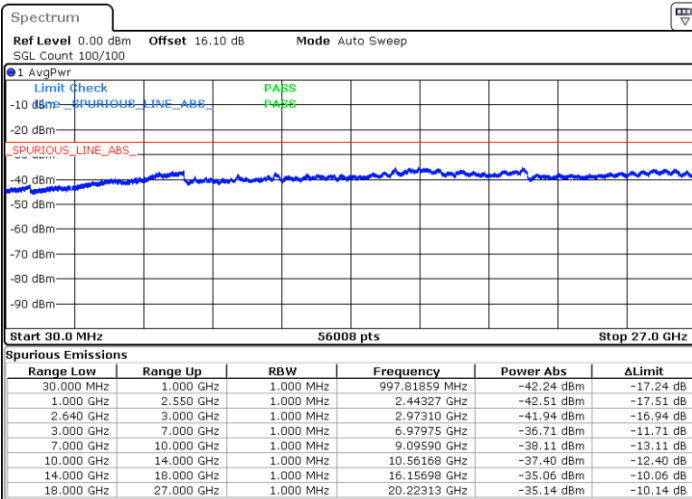


Date: 22 FEB 2018 23:23:38

Date: 22 FEB 2018 23:24:32

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 22 FEB 2018 23:25:25

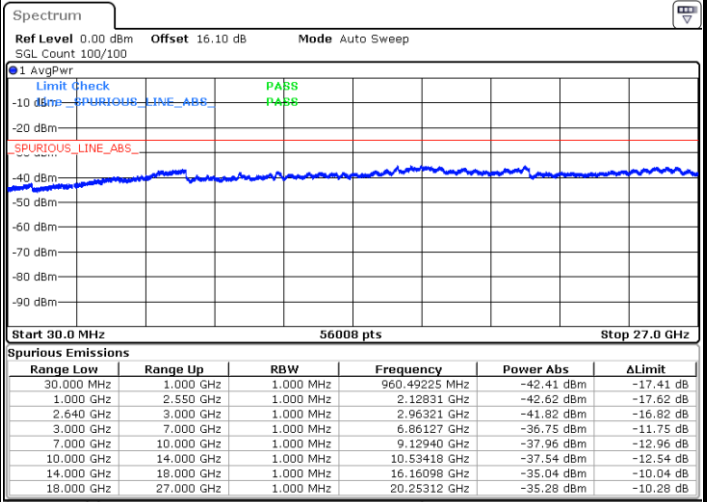
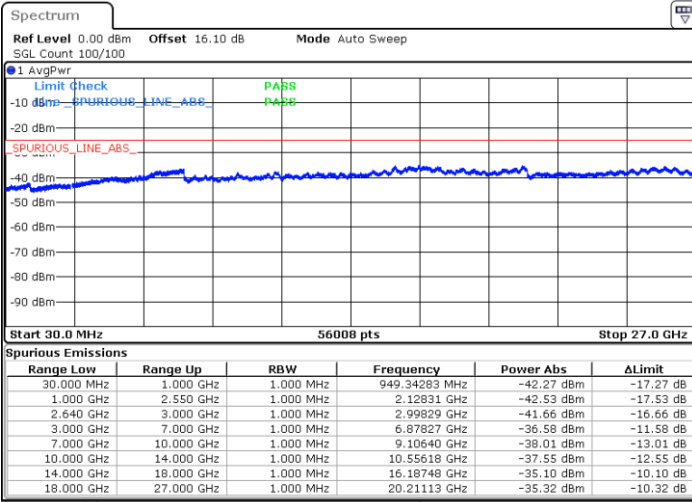
Date: 22 FEB 2018 23:26:19



LTE Band 38 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



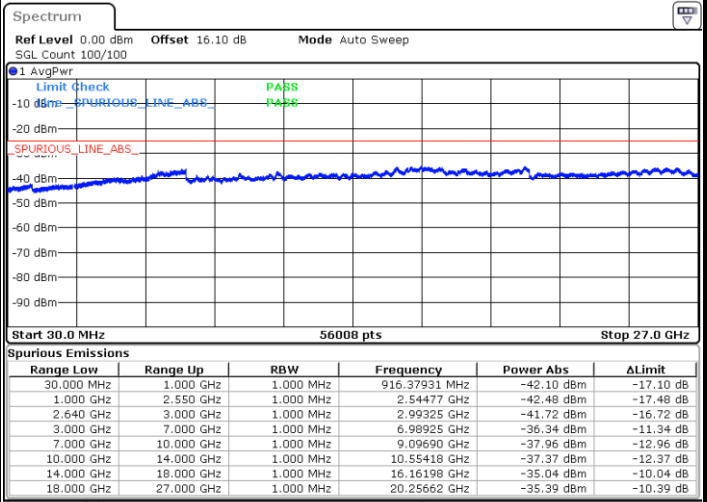
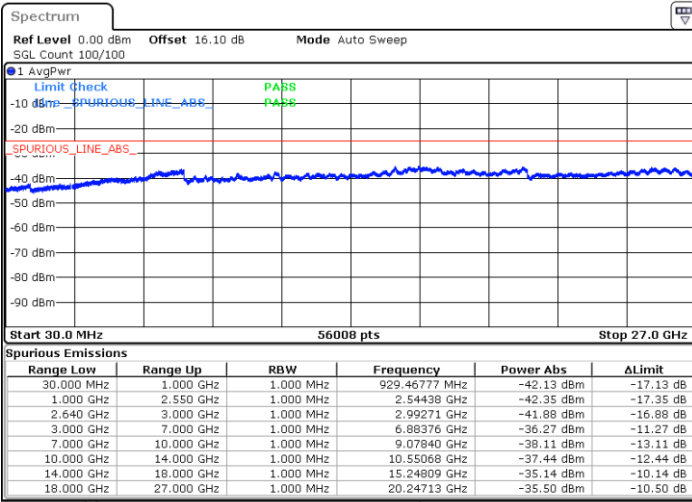
Date: 22 FEB 2018 23:27:13

Date: 22 FEB 2018 23:28:07

LTE Band 38 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 22 FEB 2018 23:29:00

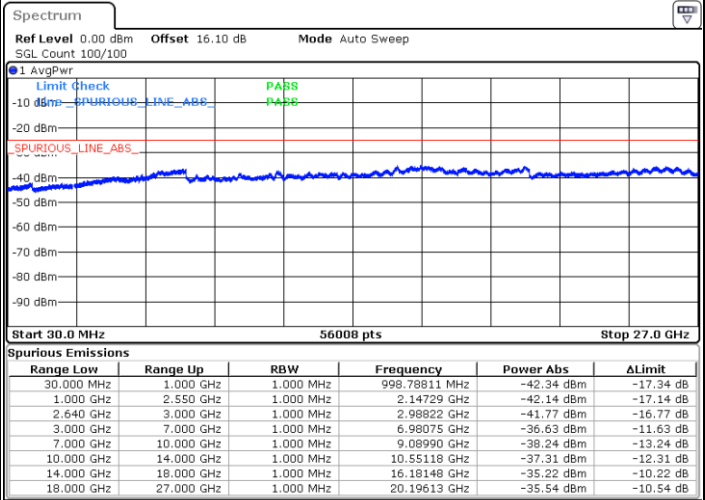
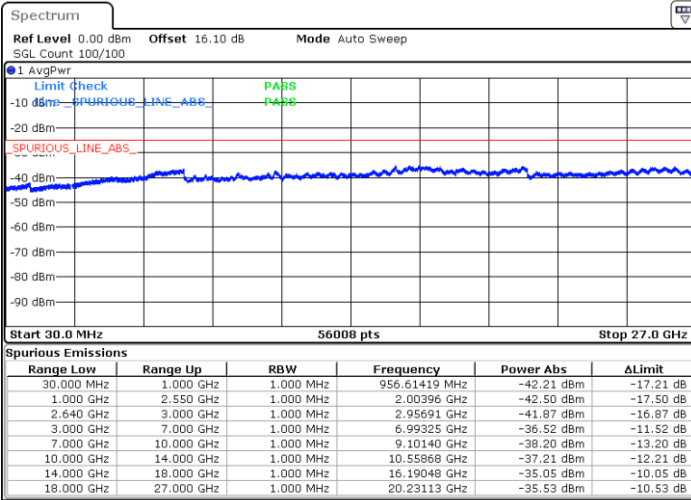
Date: 22 FEB 2018 23:29:54



LTE Band 38 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

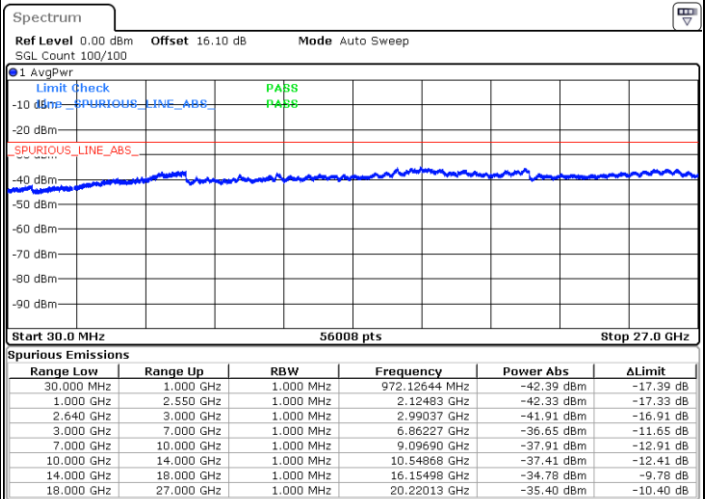
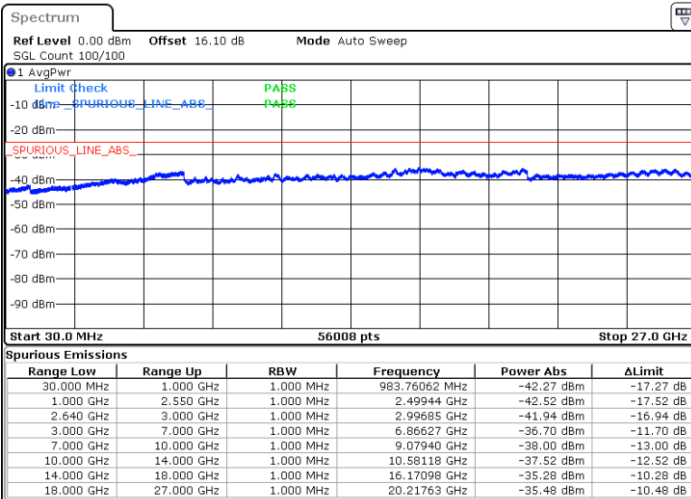


Date: 22 FEB 2018 23:30:48

Date: 22 FEB 2018 23:31:42

Highest Channel / QPSK

Highest Channel / 16QAM



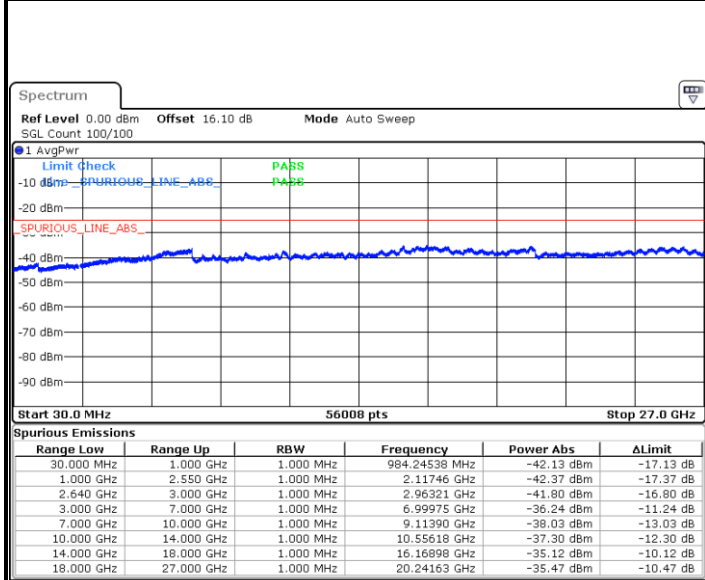
Date: 22 FEB 2018 23:32:36

Date: 22 FEB 2018 23:33:29



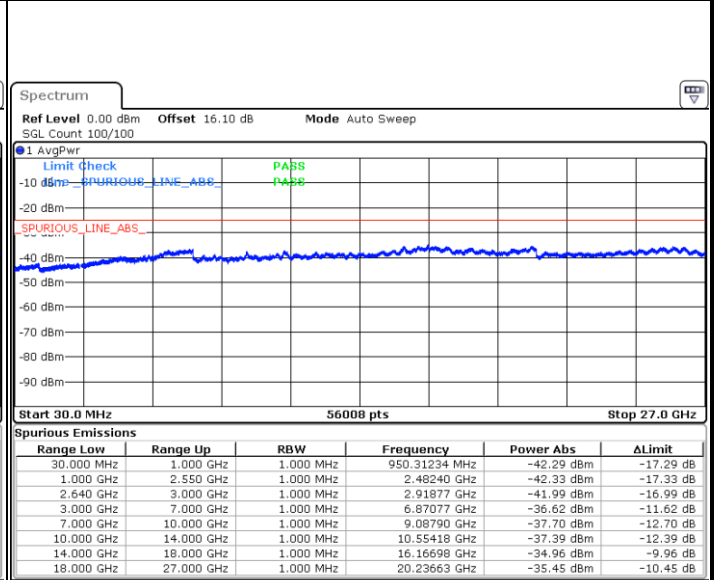
**LTE Band 38 / 5MHz**

**Lowest Channel / 64QAM**



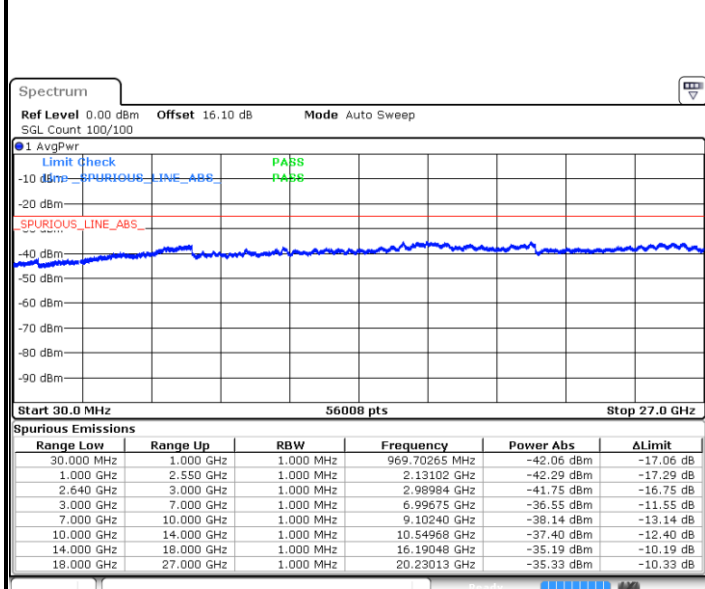
Date: 22 FEB 2018 23:02:07

**Middle Channel / 64QAM**



Date: 22 FEB 2018 23:03:01

**Highest Channel / 64QAM**

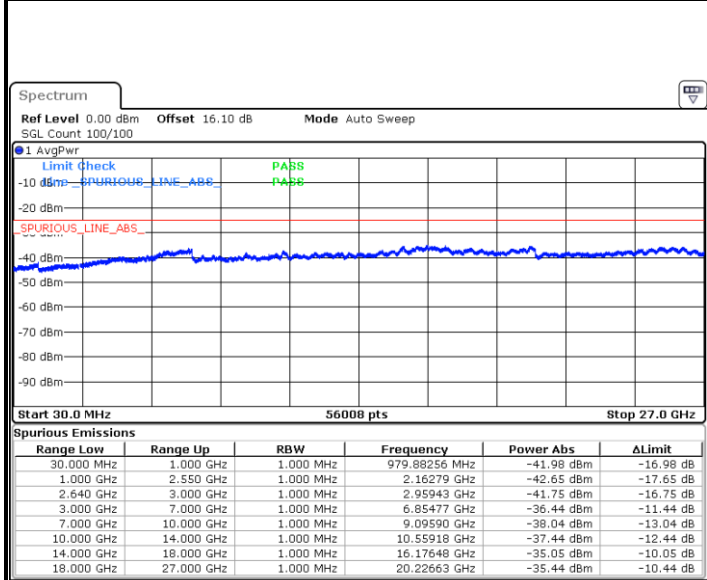


Date: 22 FEB 2018 23:03:55



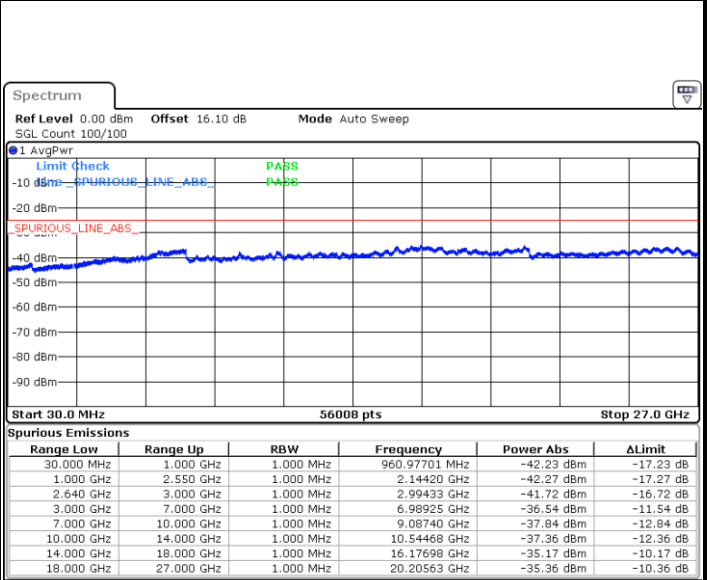
**LTE Band 38 / 10MHz**

**Lowest Channel / 64QAM**



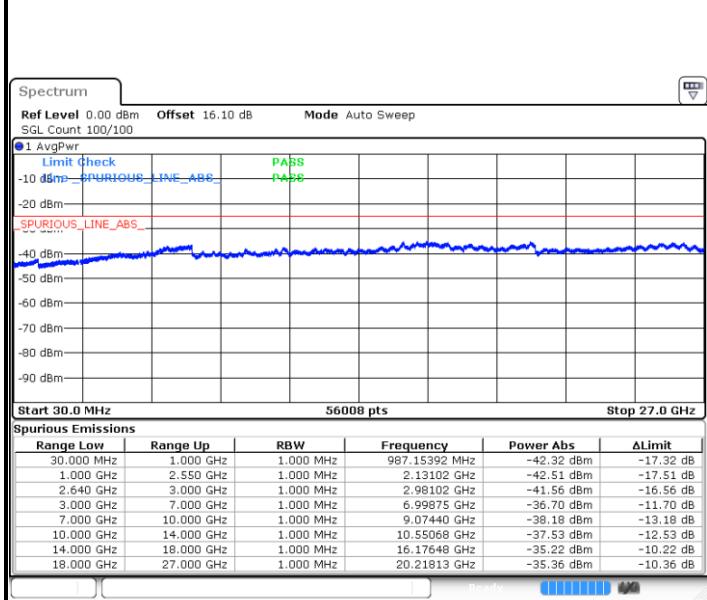
Date: 22 FEB 2018 23:04:48

**Middle Channel / 64QAM**



Date: 22 FEB 2018 23:05:42

**Highest Channel / 64QAM**

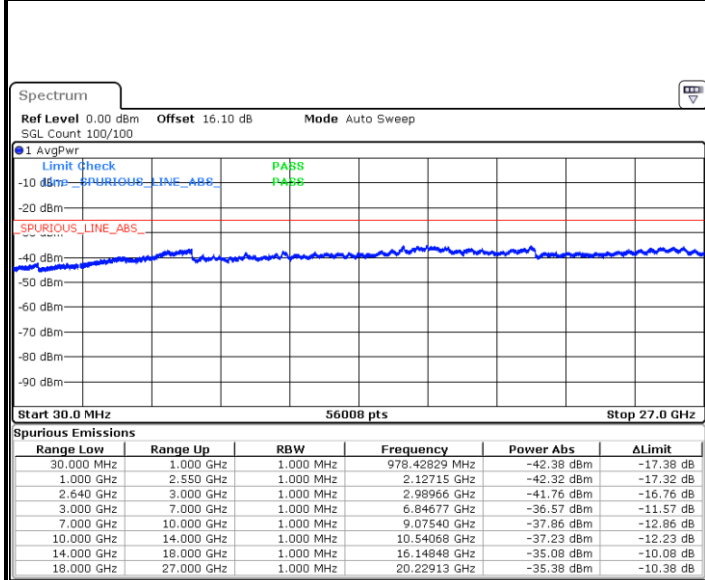


Date: 22 FEB 2018 23:06:36



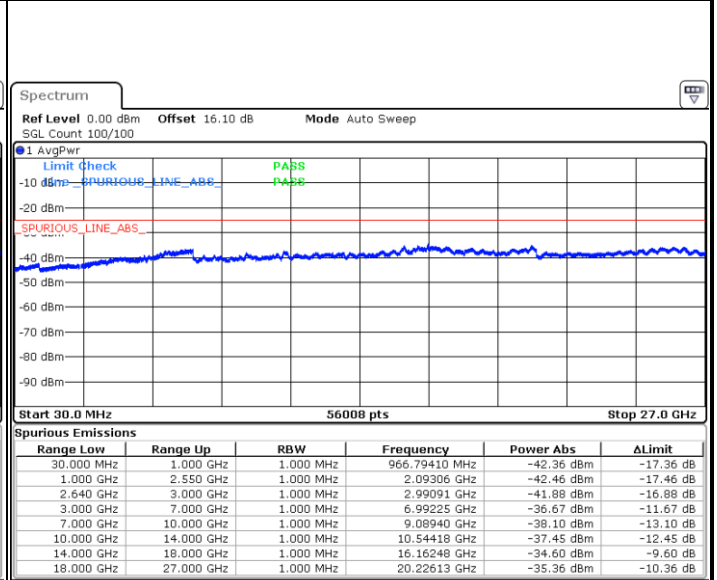
**LTE Band 38 / 15MHz**

**Lowest Channel / 64QAM**



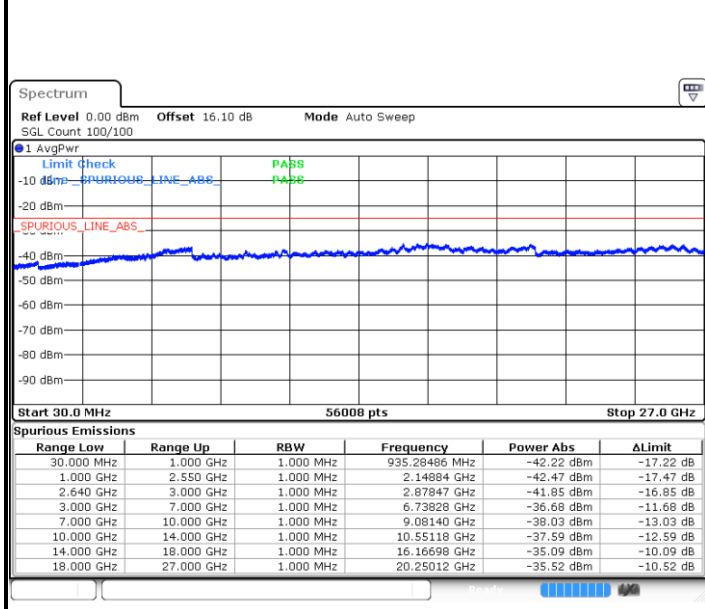
Date: 22 FEB 2018 23:07:30

**Middle Channel / 64QAM**



Date: 22 FEB 2018 23:08:24

**Highest Channel / 64QAM**



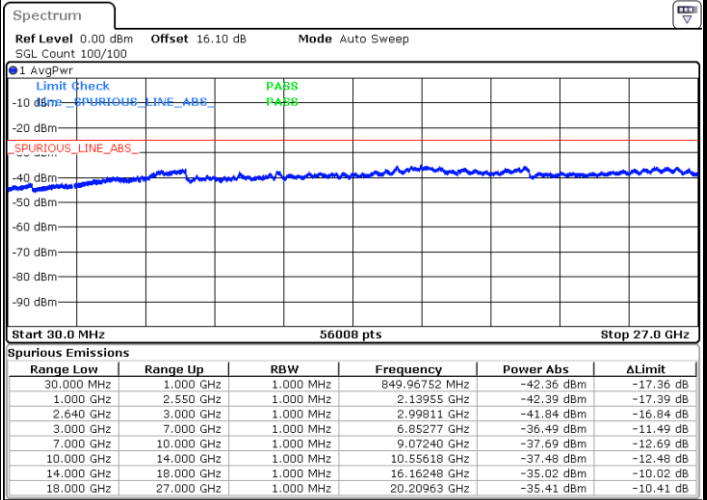
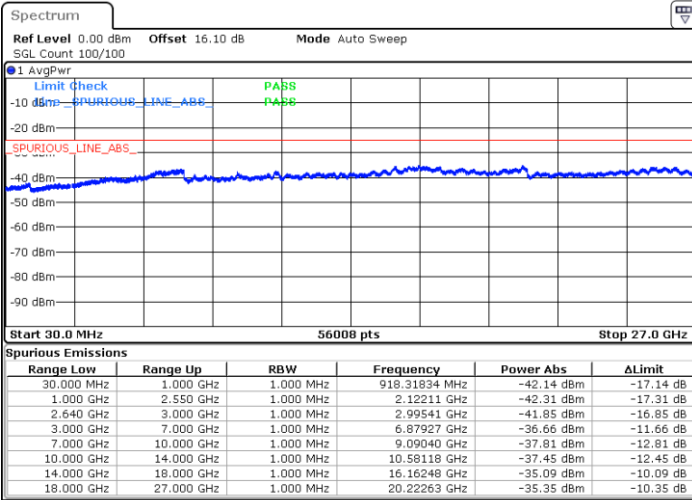
Date: 22 FEB 2018 23:09:17



LTE Band 38 / 20MHz

Lowest Channel / 64QAM

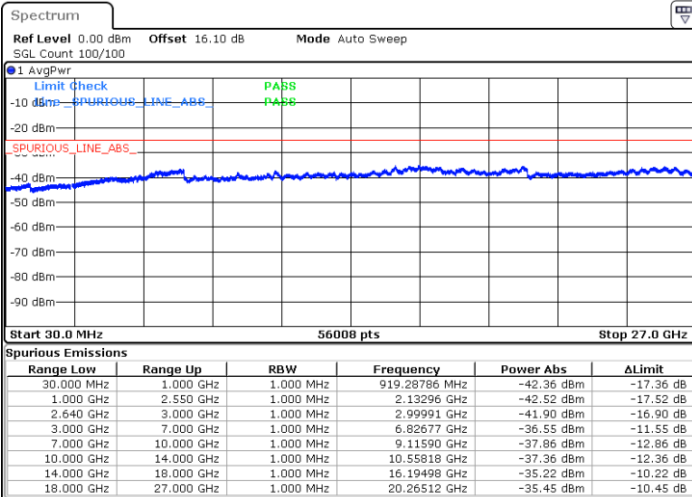
Middle Channel / 64QAM



Date: 22 FEB 2018 23:10:11

Date: 22 FEB 2018 23:11:05

Highest Channel / 64QAM



Date: 22 FEB 2018 23:11:59



**Frequency Stability**

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0052	
20	Maximum Voltage	0.0040	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0048	

**Note:**

1. Normal Voltage =3.8 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 41

## Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.74	4.23	5.51	5.65	<b>PASS</b>
Middle CH	3.62	4.12	5.48	5.51	
Highest CH	3.74	4.06	5.59	5.39	
Mode	LTE Band 41 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.41	6.14	-	-	<b>PASS</b>
Middle CH	6.41	6.09	-	-	
Highest CH	6.64	5.97	-	-	