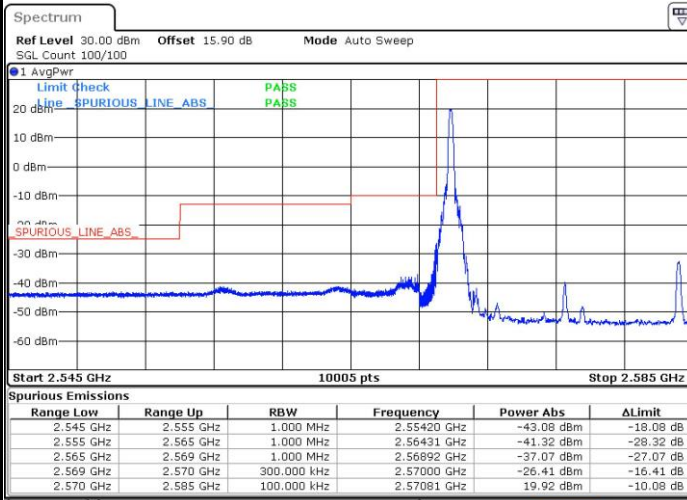




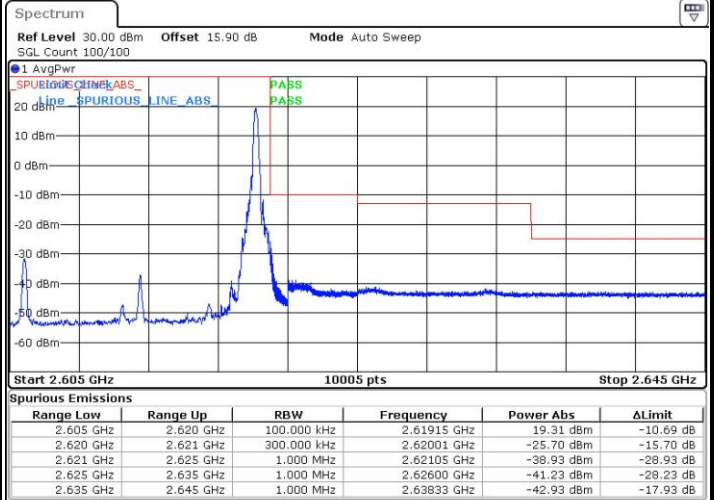
LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



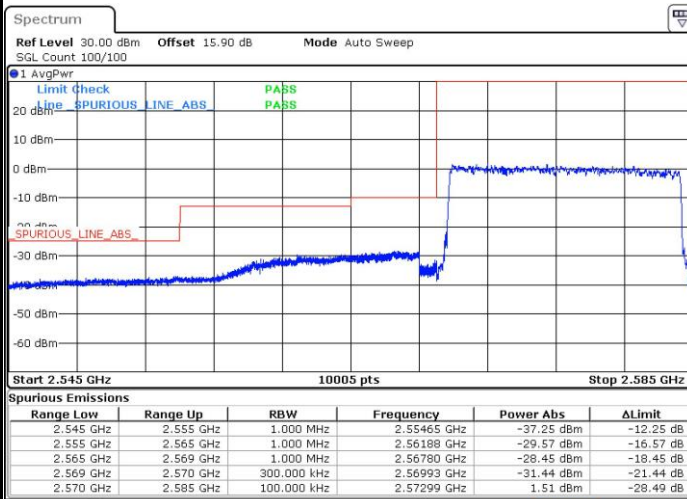
Date: 15.AUG.2018 20:53:30

Highest Band Edge / 1 RB



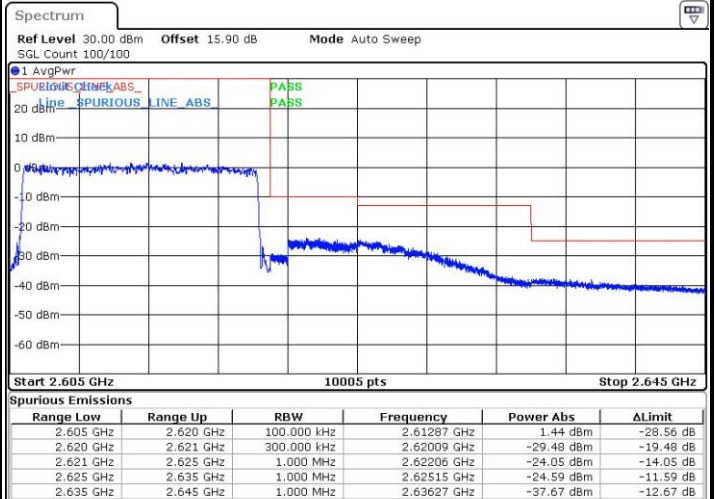
Date: 15.AUG.2018 20:57:03

Lowest Band Edge / Full RB



Date: 15.AUG.2018 20:54:41

Highest Band Edge / Full RB

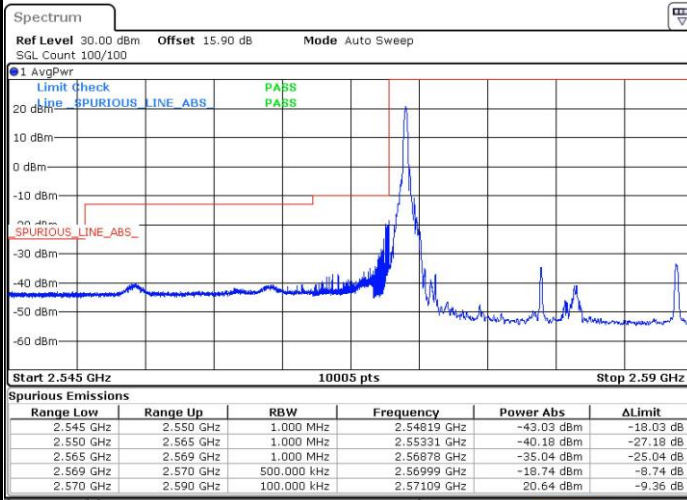


Date: 15.AUG.2018 20:55:52



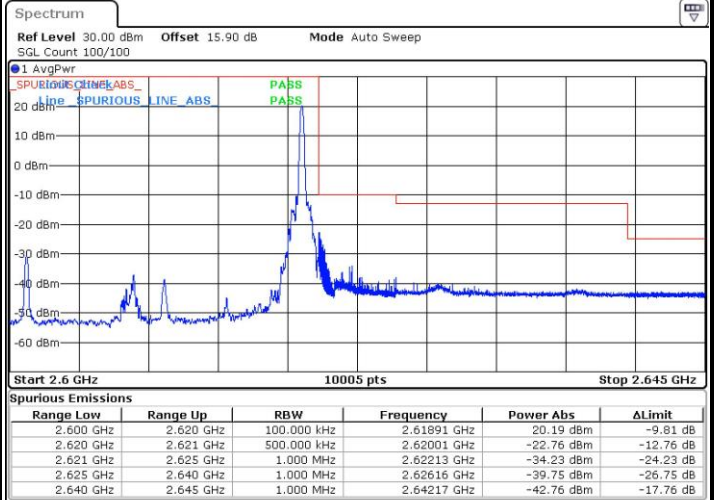
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / 1 RB



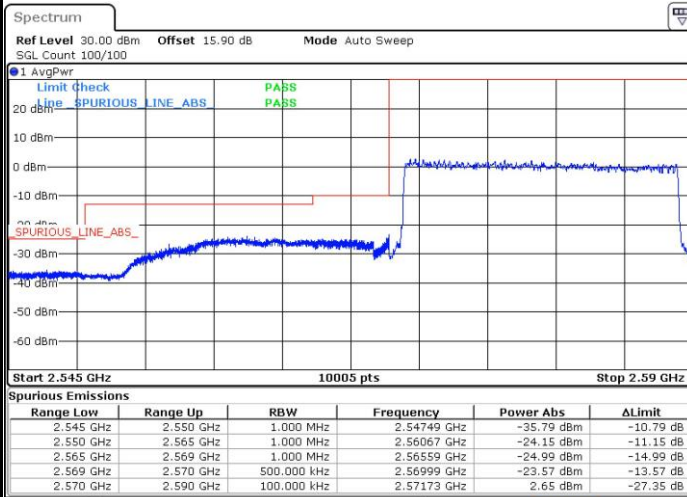
Date: 15.AUG.2018 20:34:09

Highest Band Edge / 1 RB



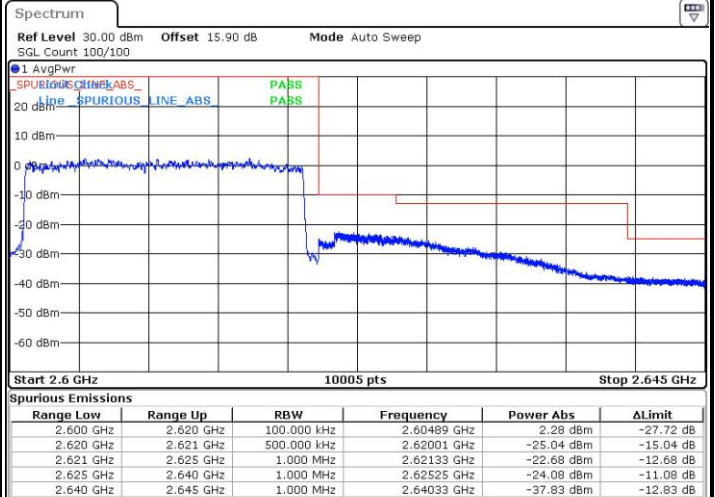
Date: 15.AUG.2018 20:41:43

Lowest Band Edge / Full RB



Date: 15.AUG.2018 20:38:31

Highest Band Edge / Full RB

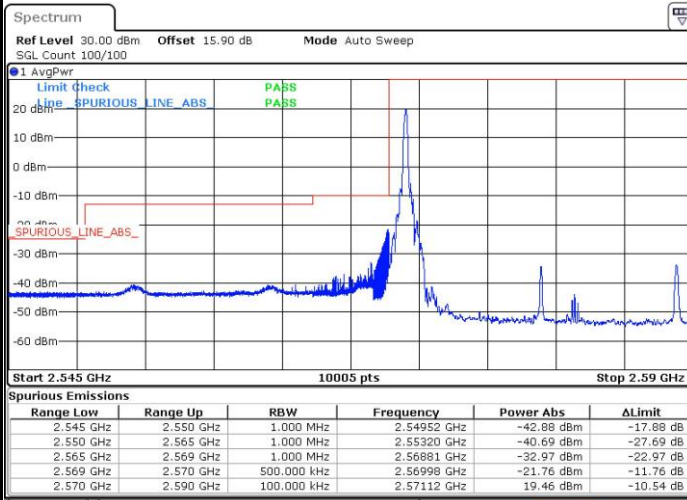


Date: 15.AUG.2018 20:39:21



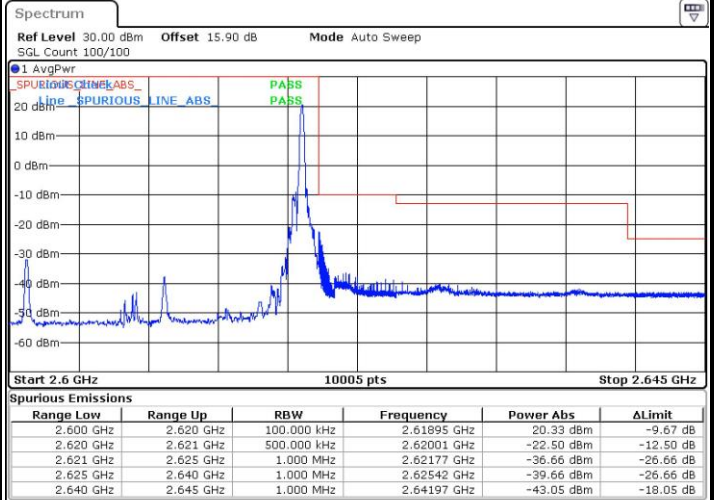
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



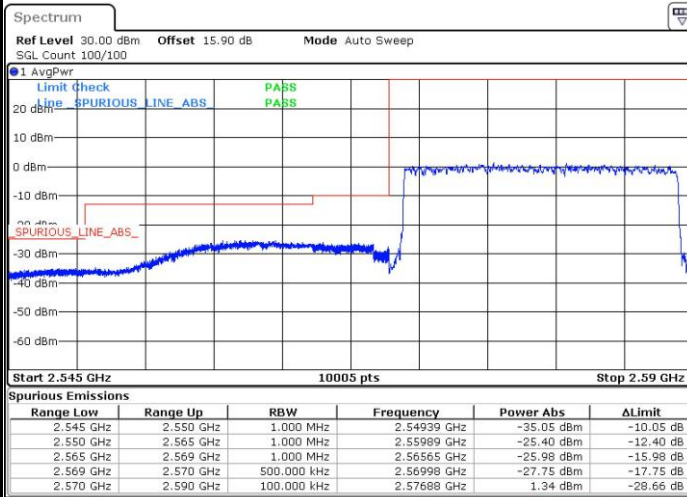
Date: 15.AUG.2018 20:35:20

Highest Band Edge / 1 RB



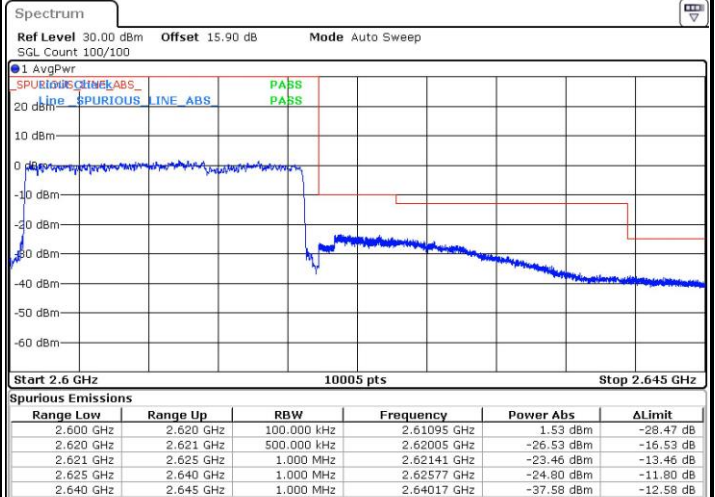
Date: 15.AUG.2018 20:42:54

Lowest Band Edge / Full RB



Date: 15.AUG.2018 20:37:41

Highest Band Edge / Full RB

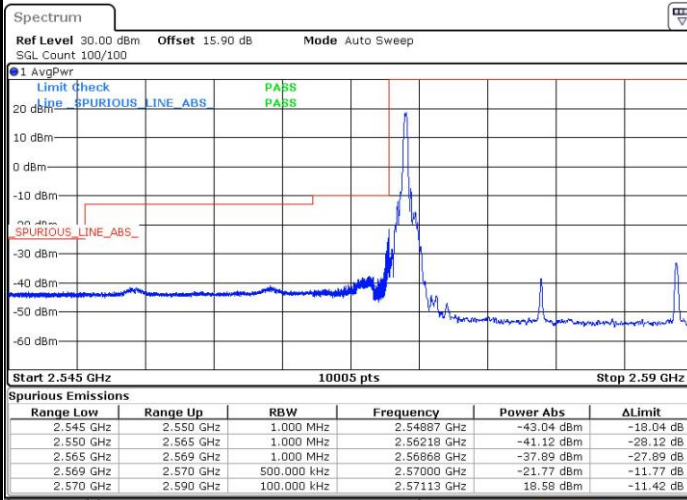


Date: 15.AUG.2018 20:40:32



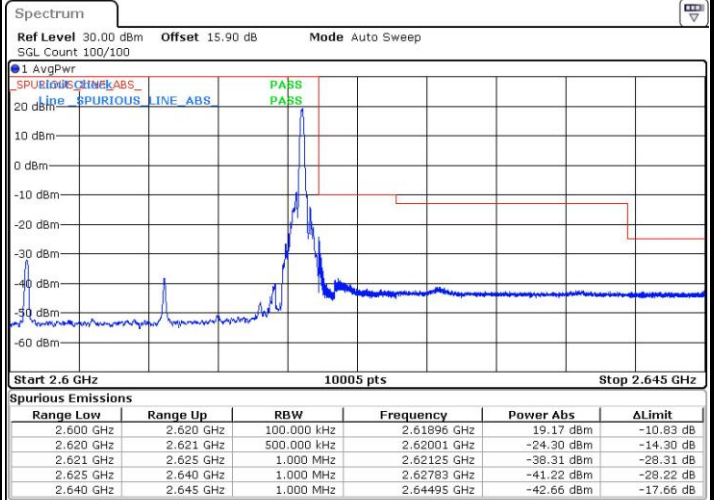
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



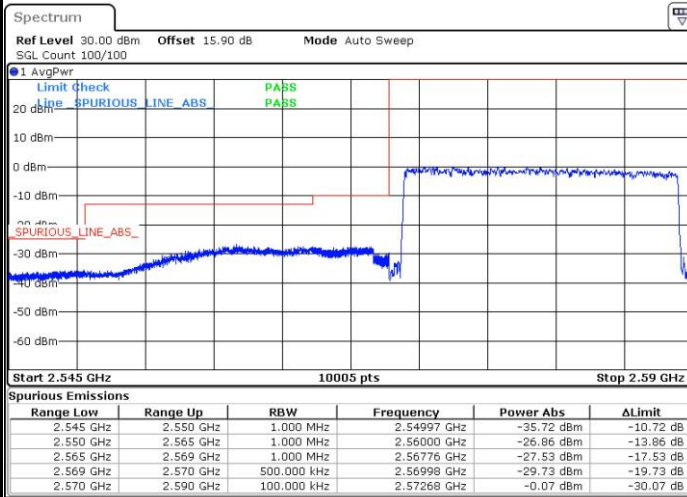
Date: 15.AUG.2018 20:58:13

Highest Band Edge / 1 RB



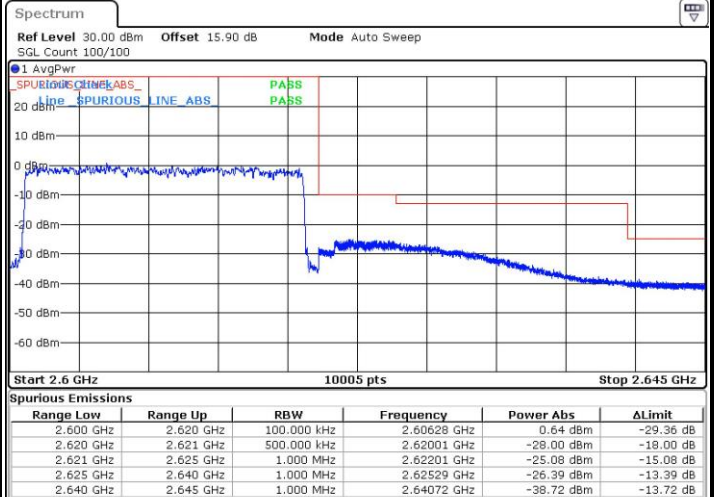
Date: 15.AUG.2018 21:01:46

Lowest Band Edge / Full RB



Date: 15.AUG.2018 20:59:24

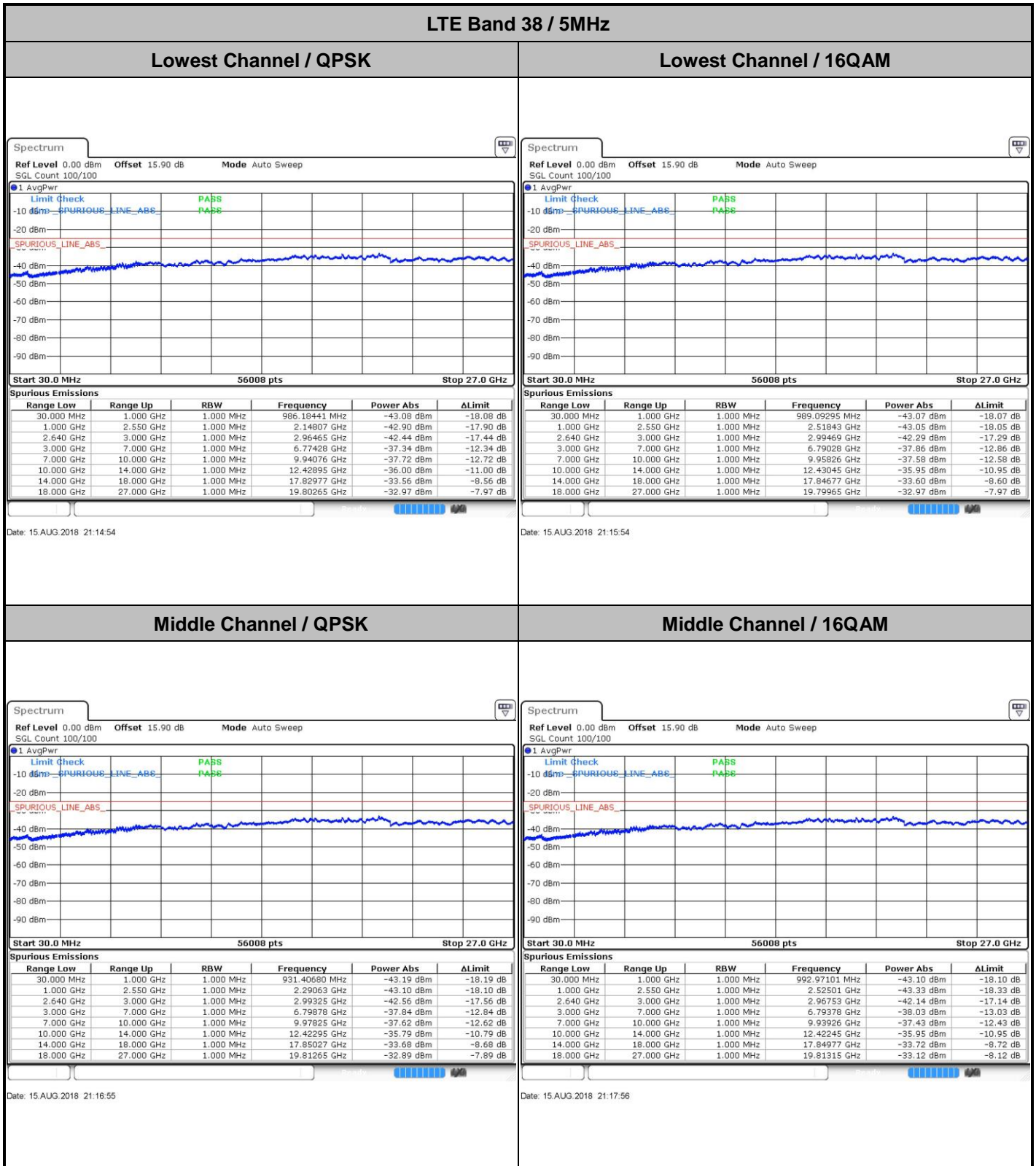
Highest Band Edge / Full RB



Date: 15.AUG.2018 21:00:35



# Conducted Spurious Emission

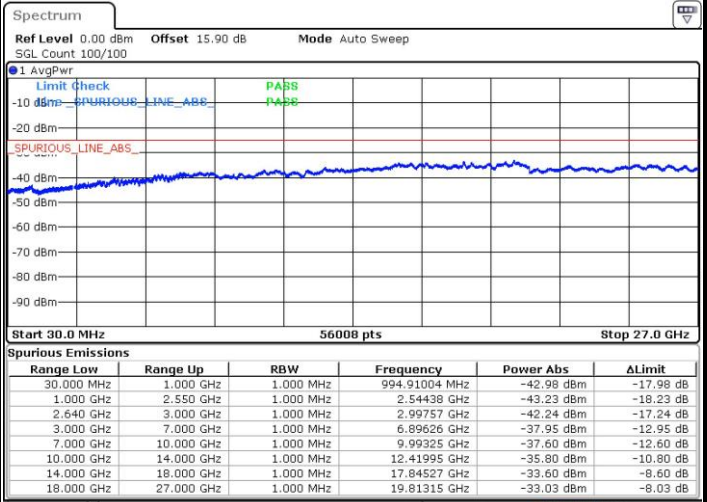
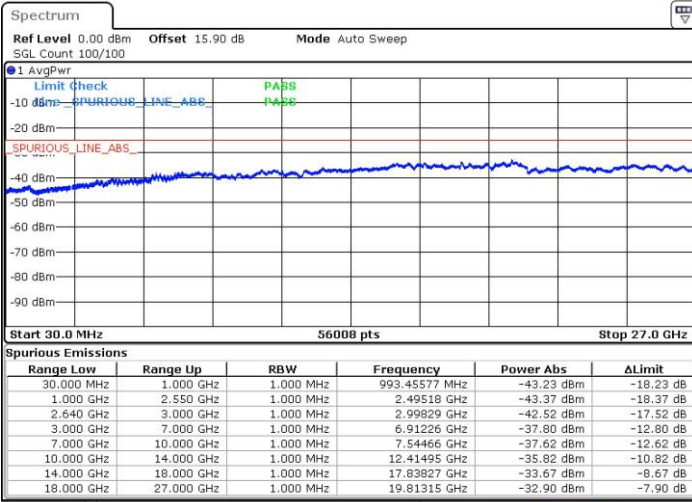




LTE Band 38 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



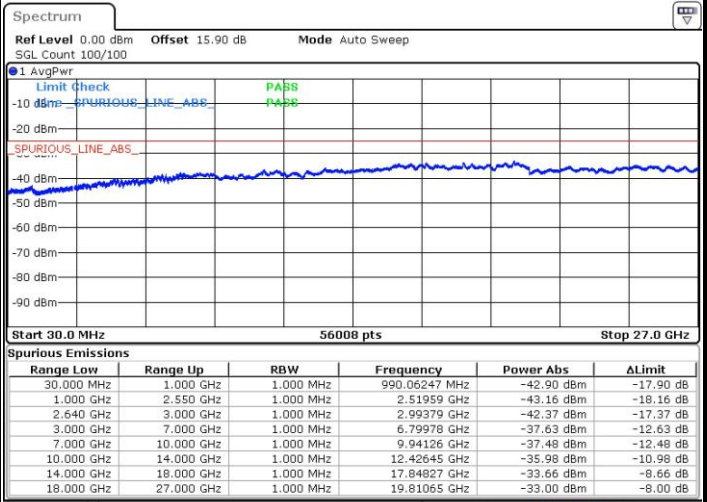
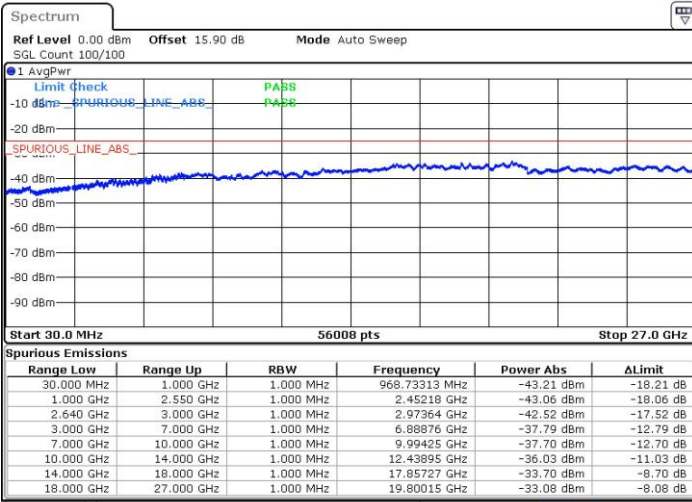
Date: 15.AUG.2018 21:18:56

Date: 15.AUG.2018 21:19:57

LTE Band 38 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 15.AUG.2018 21:20:58

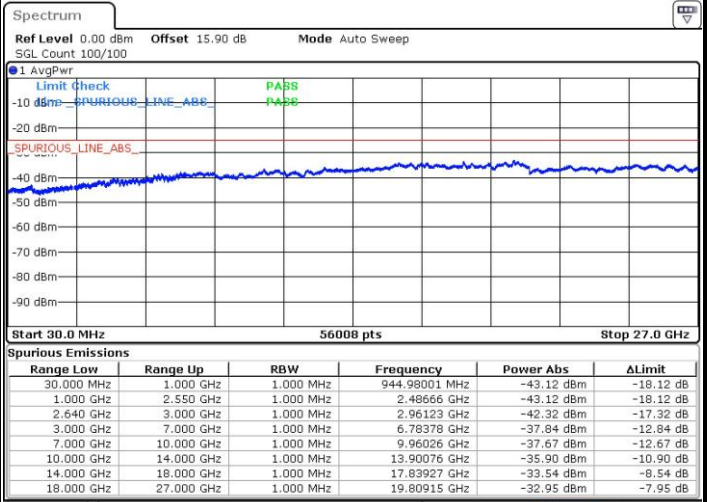
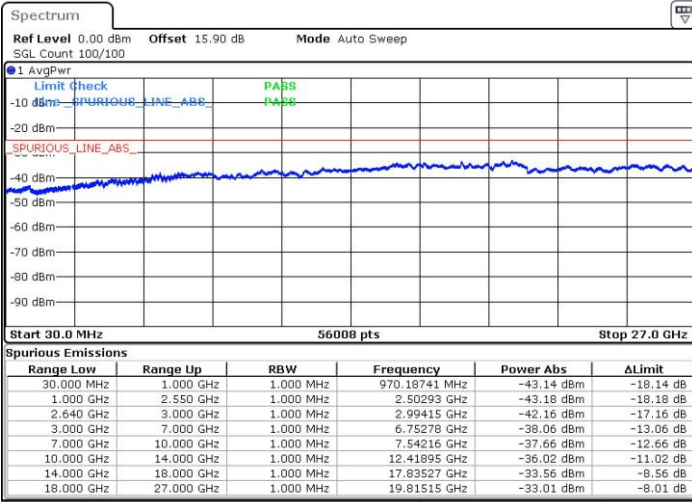
Date: 15.AUG.2018 21:21:58



LTE Band 38 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

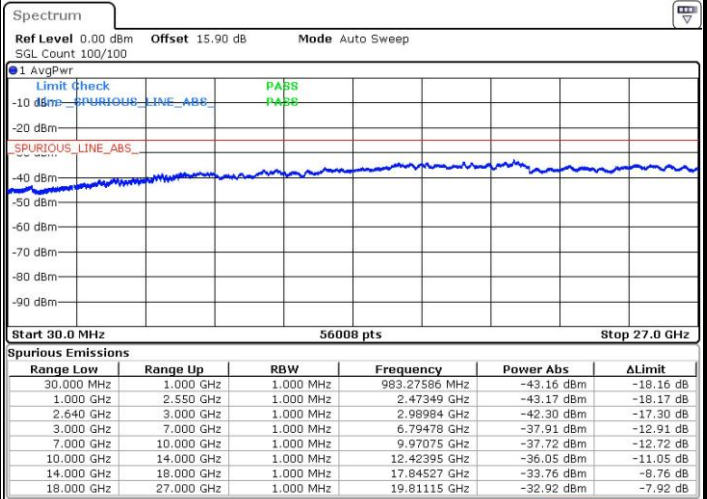
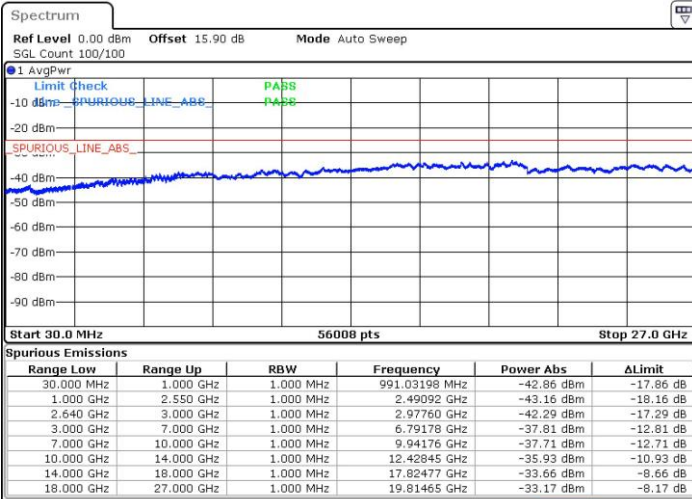


Date: 15.AUG.2018 21:22:59

Date: 15.AUG.2018 21:24:00

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15.AUG.2018 21:25:00

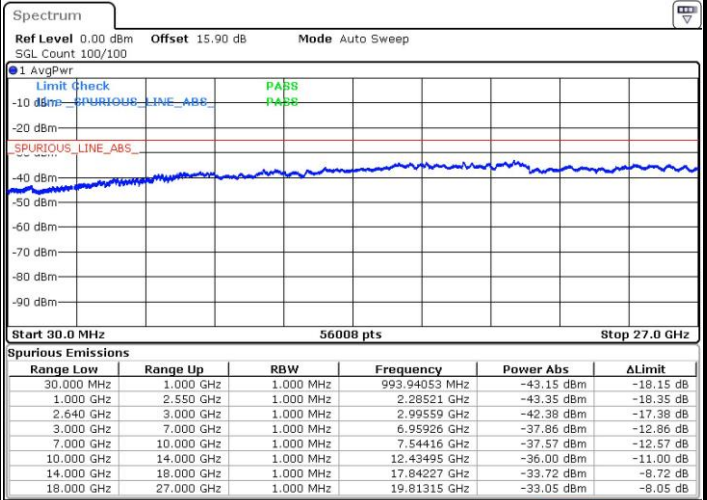
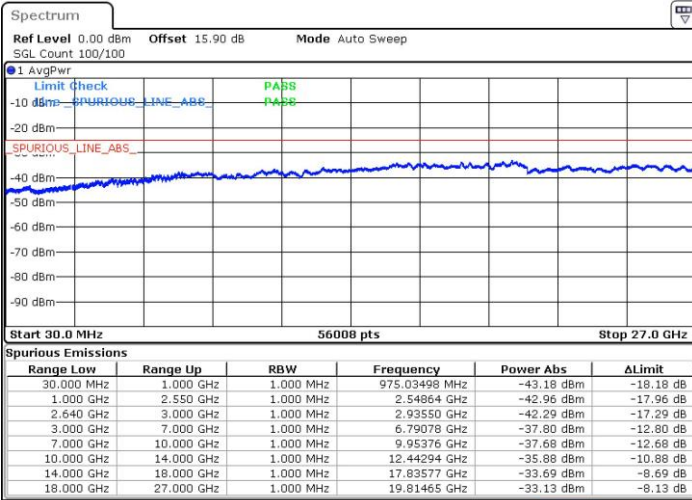
Date: 15.AUG.2018 21:26:01



LTE Band 38 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

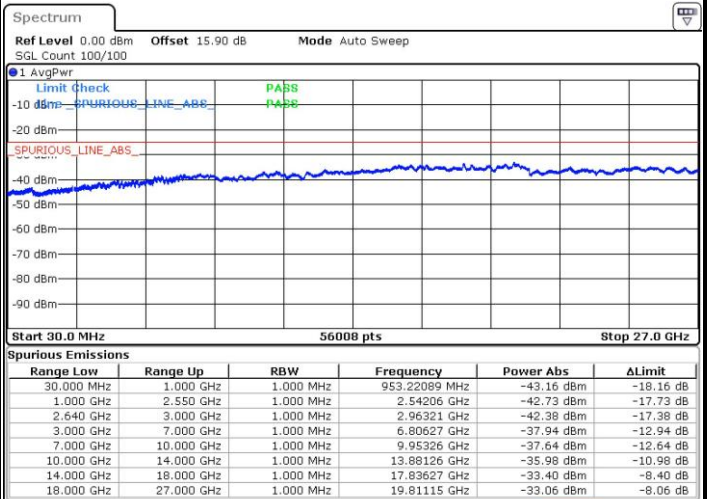
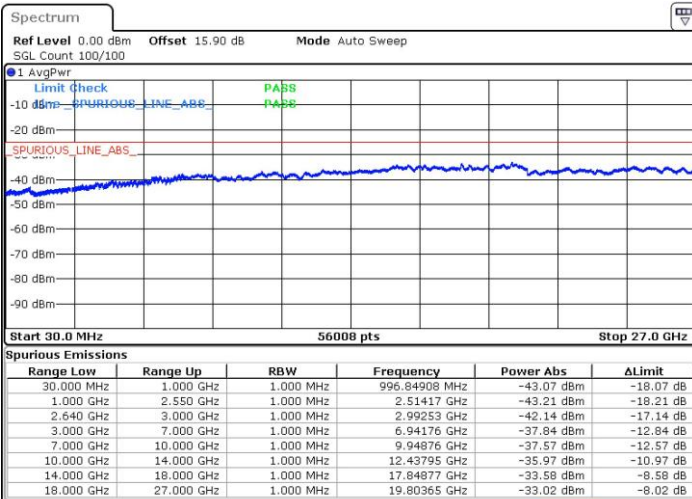


Date: 15.AUG.2018 21:27:01

Date: 15.AUG.2018 21:28:02

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 15.AUG.2018 21:29:02

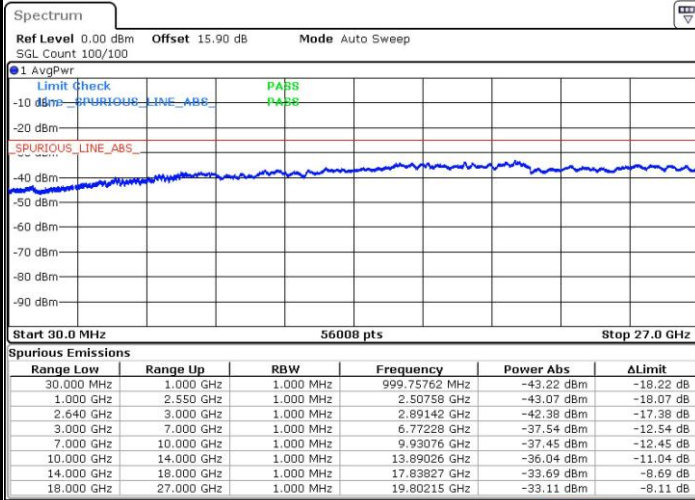
Date: 15.AUG.2018 21:30:03





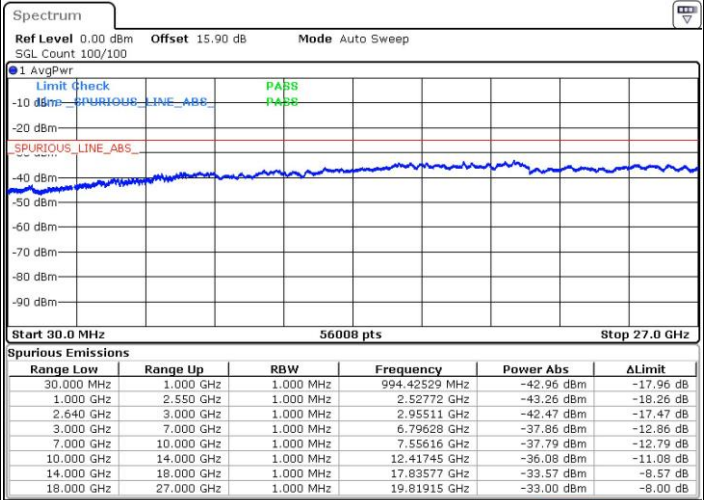
LTE Band 38 / 15MHz

Highest Channel / QPSK



Date: 15.AUG.2018 21:31:04

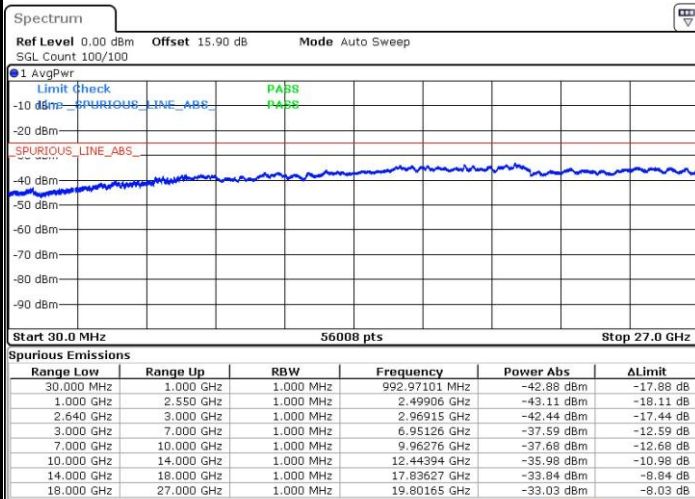
Highest Channel / 16QAM



Date: 15.AUG.2018 21:32:04

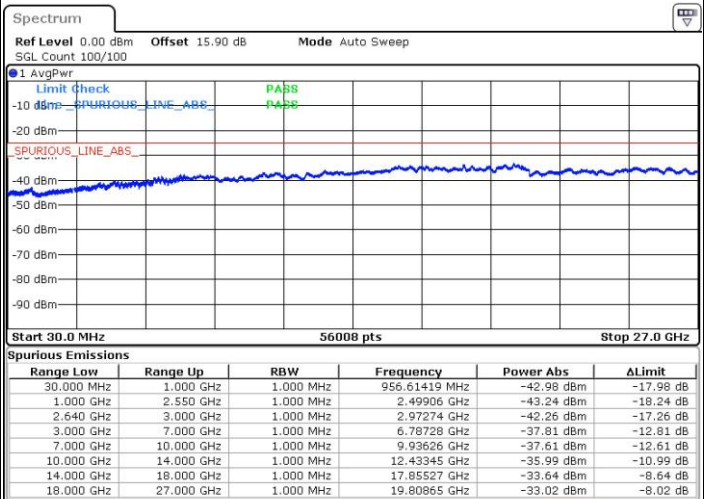
LTE Band 38 / 20MHz

Lowest Channel / QPSK



Date: 15.AUG.2018 21:33:05

Lowest Channel / 16QAM



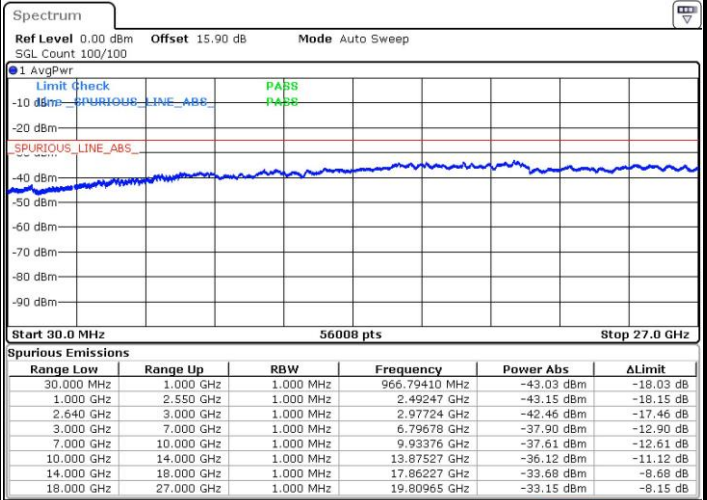
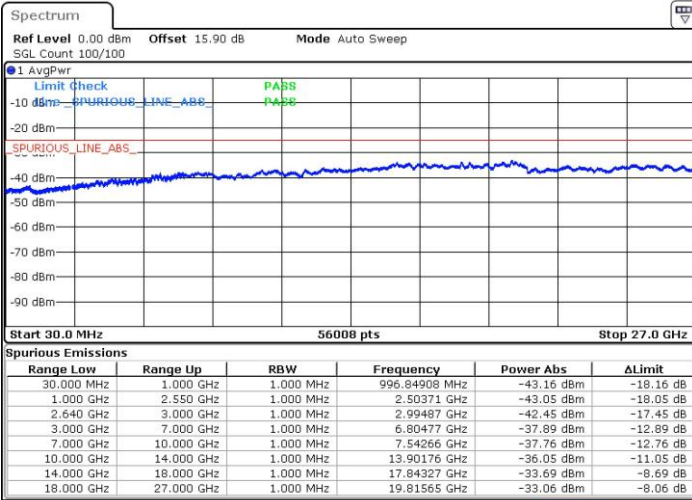
Date: 15.AUG.2018 21:34:05



LTE Band 38 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

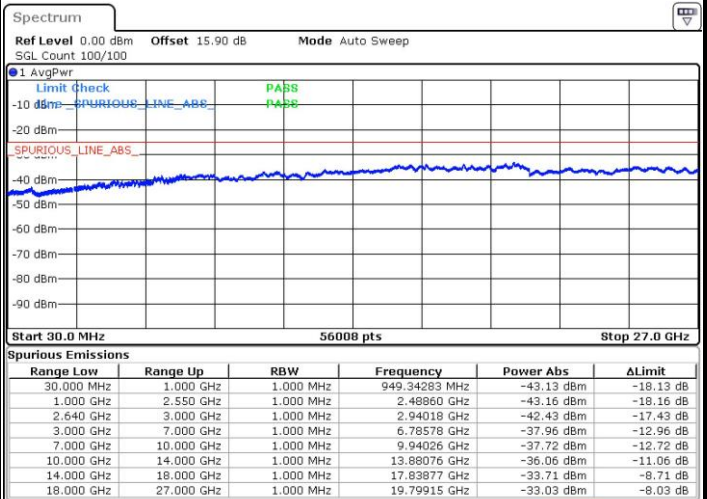
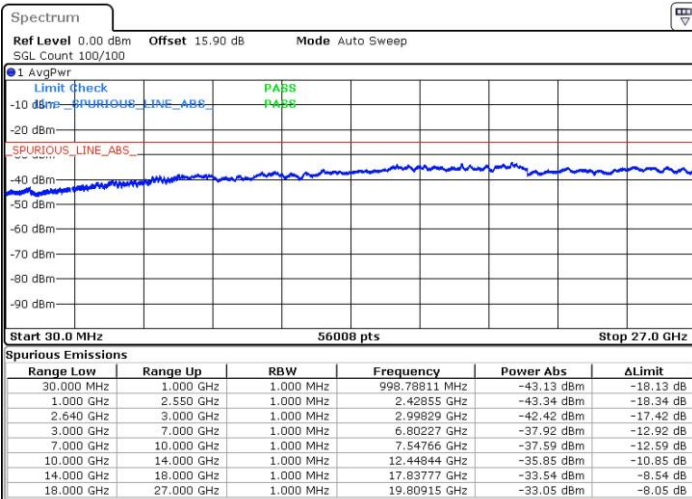


Date: 15.AUG.2018 21:35:06

Date: 15.AUG.2018 21:36:07

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 15.AUG.2018 21:37:07

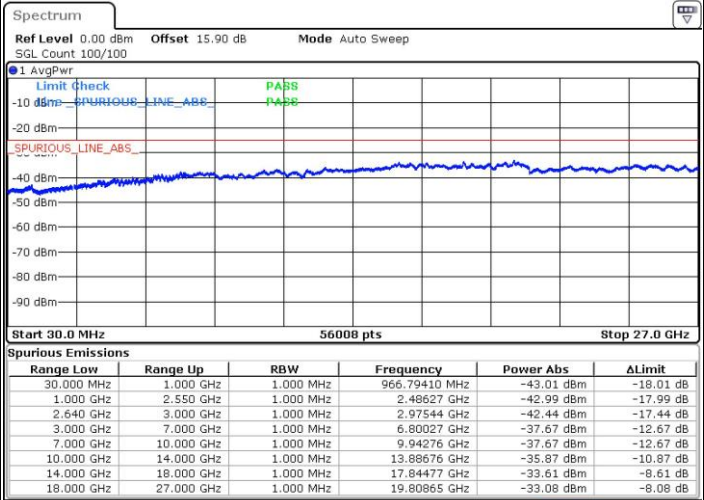
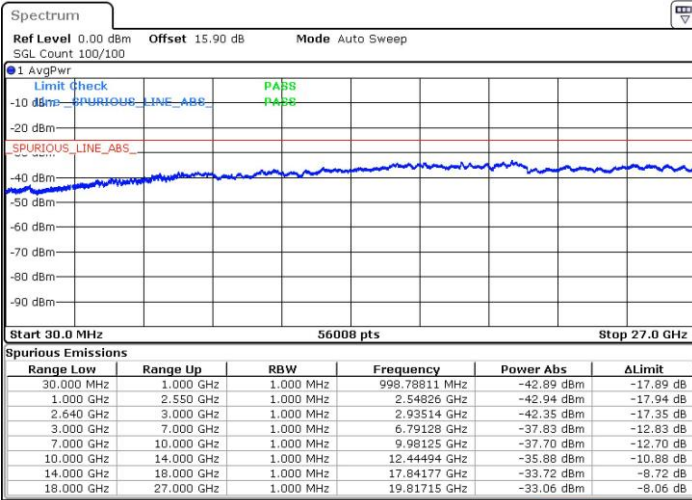
Date: 15.AUG.2018 21:38:08



LTE Band 38 / 5MHz

Lowest Channel / 64QAM

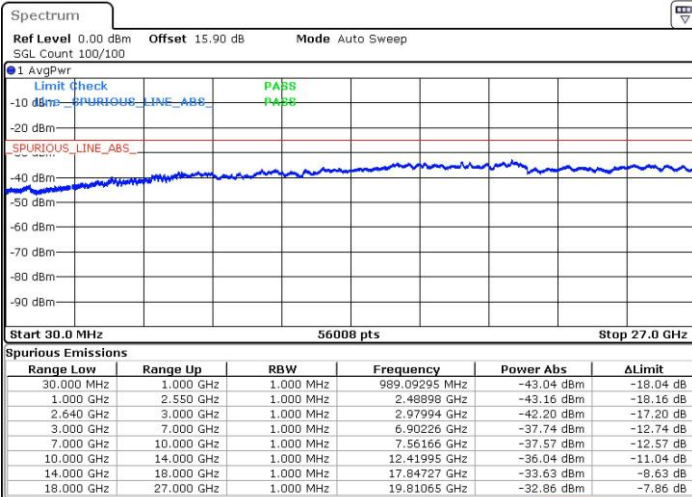
Middle Channel / 64QAM



Date: 15.AUG.2018 21:02:46

Date: 15.AUG.2018 21:03:47

Highest Channel / 64QAM



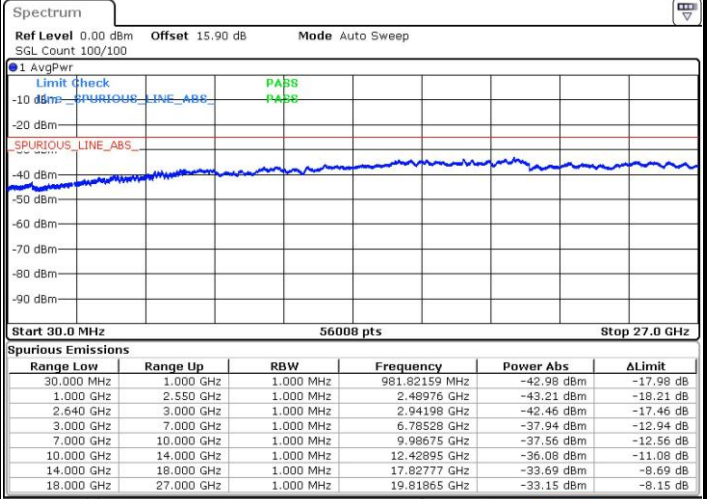
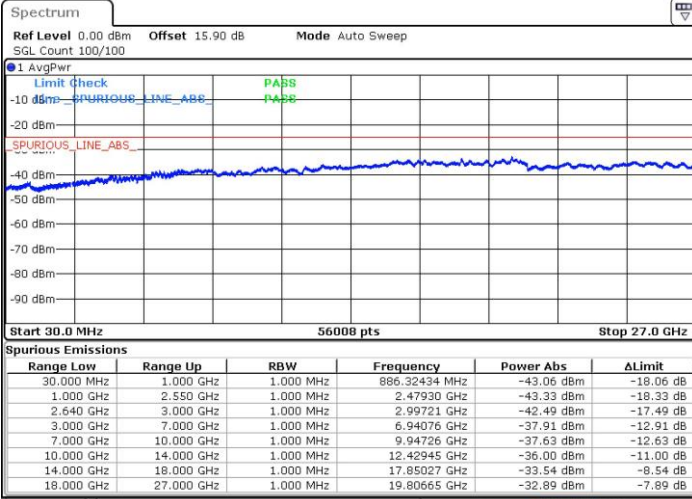
Date: 15.AUG.2018 21:04:48



LTE Band 38 / 10MHz

Lowest Channel / 64QAM

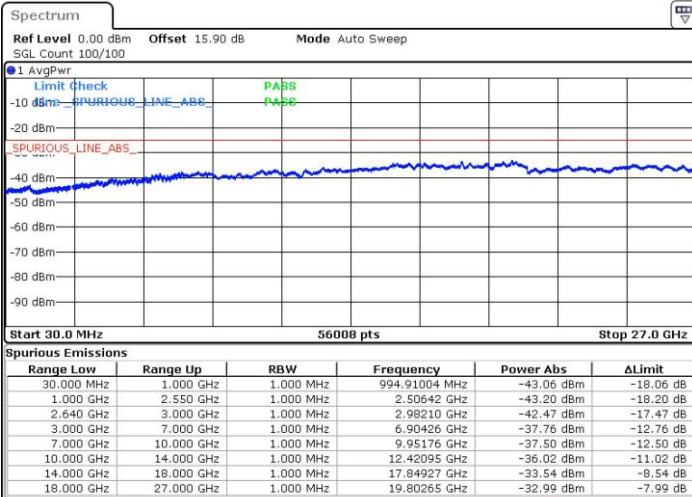
Middle Channel / 64QAM



Date: 15.AUG.2018 21:05:48

Date: 15.AUG.2018 21:06:49

Highest Channel / 64QAM

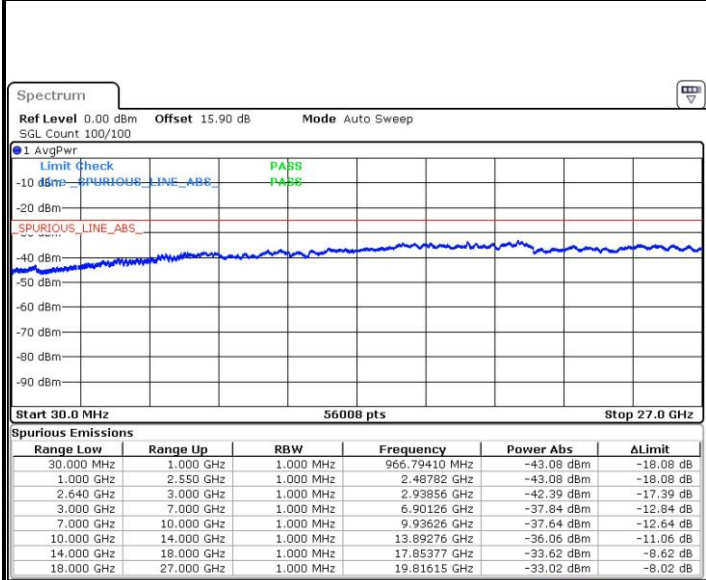


Date: 15.AUG.2018 21:07:49



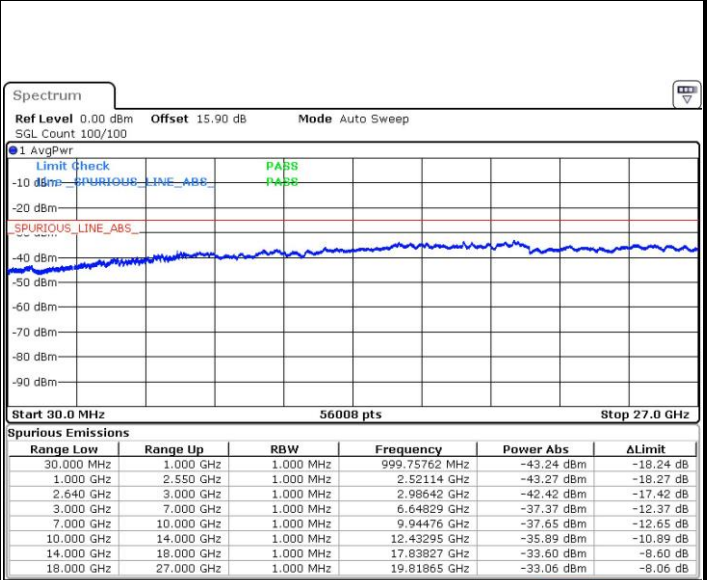
**LTE Band 38 / 15MHz**

**Lowest Channel / 64QAM**



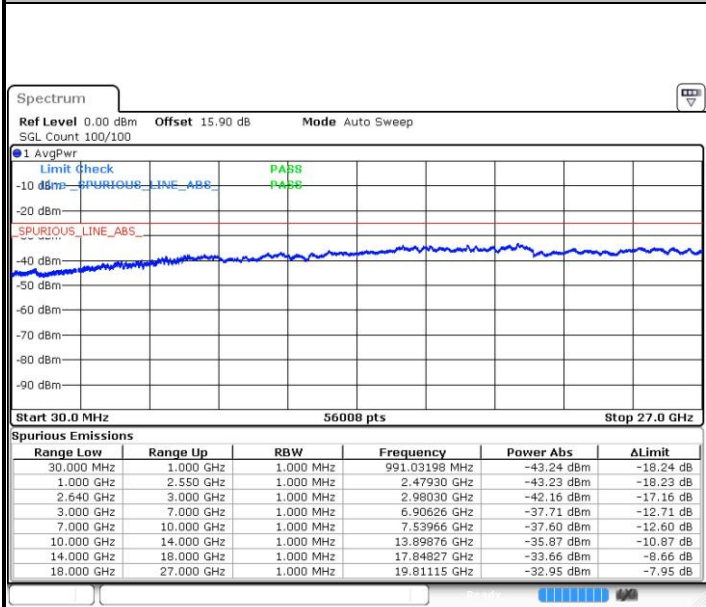
Date: 15.AUG.2018 21:08:50

**Middle Channel / 64QAM**



Date: 15.AUG.2018 21:09:50

**Highest Channel / 64QAM**



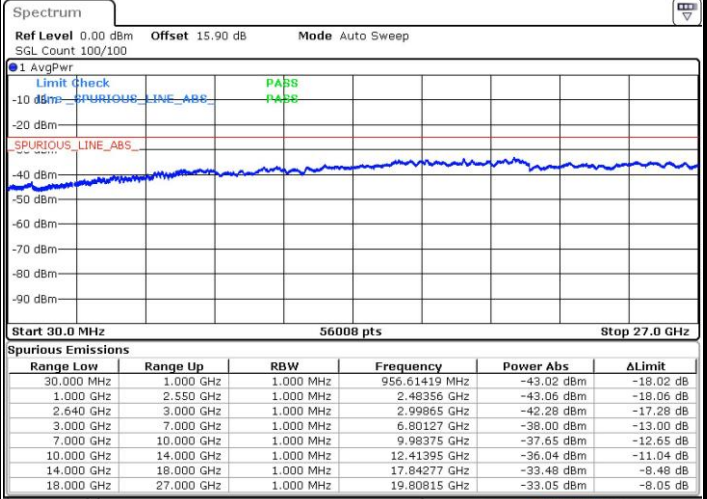
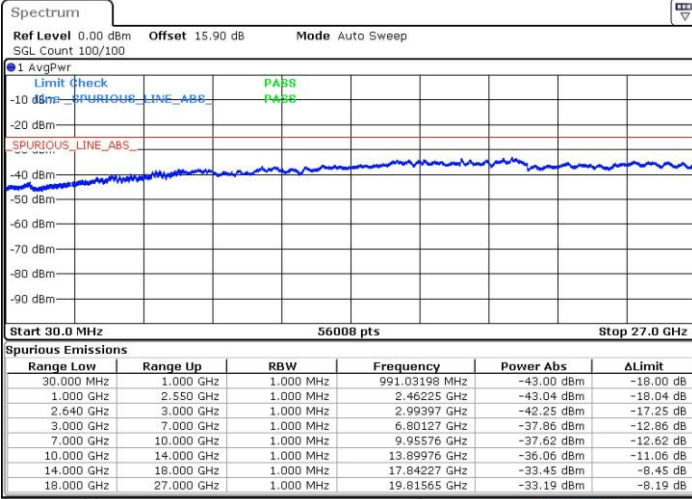
Date: 15.AUG.2018 21:10:51



LTE Band 38 / 20MHz

Lowest Channel / 64QAM

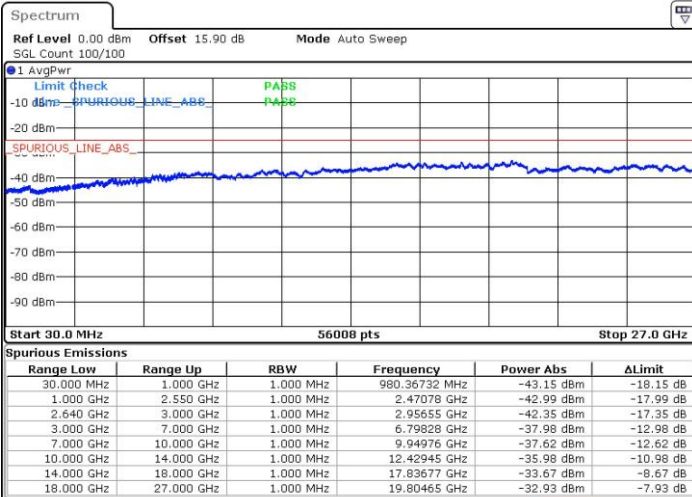
Middle Channel / 64QAM



Date: 15.AUG.2018 21:11:52

Date: 15.AUG.2018 21:12:53

Highest Channel / 64QAM



Date: 15.AUG.2018 21:13:53



**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	0.0001	PASS
40	Normal Voltage	0.0084	
30	Normal Voltage	0.0078	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0080	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

**Note:**

- 1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.2 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 41

## Peak-to-Average Ratio

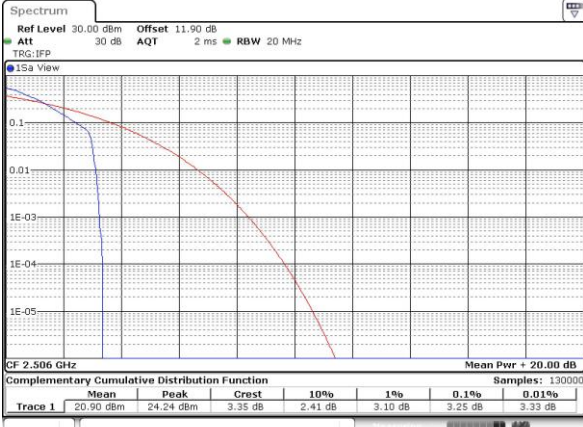
Mode	LTE Band 41 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.25	4.2	4.87	5.57	PASS
Middle CH	3.51	4.49	5.19	5.83	
Highest CH	3.54	4.72	5.22	6.14	
Mode	LTE Band 41 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	5.65	6.09	-	-	PASS
Middle CH	7.57	6.35	-	-	
Highest CH	6.35	6.78	-	-	





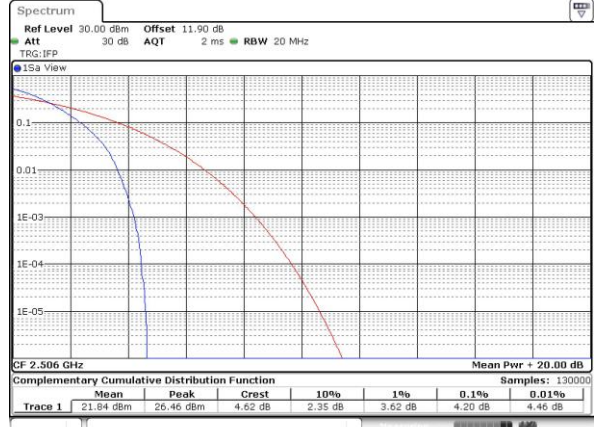
LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



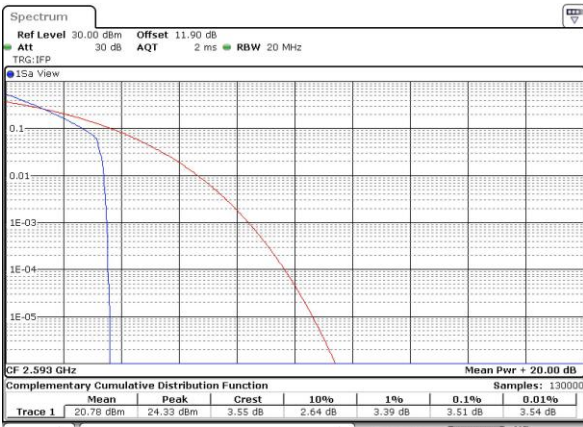
Date: 15 AUG 2018 18:18:16

Lowest Channel / Full RB



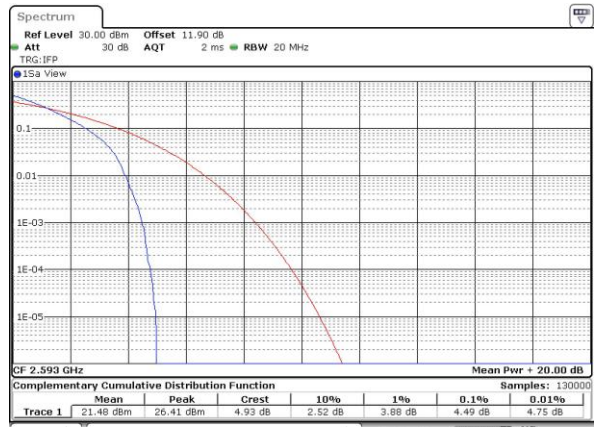
Date: 15 AUG 2018 18:18:33

Middle Channel / 1RB



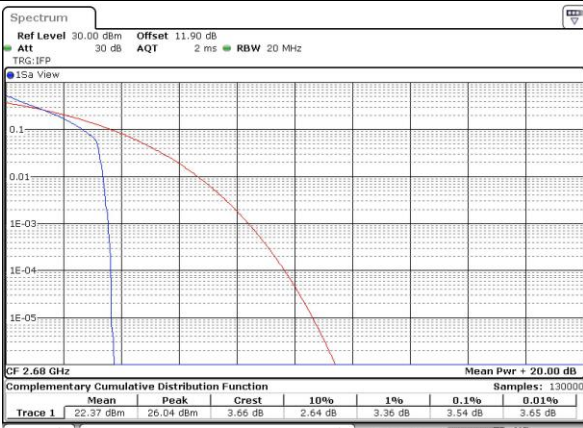
Date: 15 AUG 2018 18:18:51

Middle Channel / Full RB



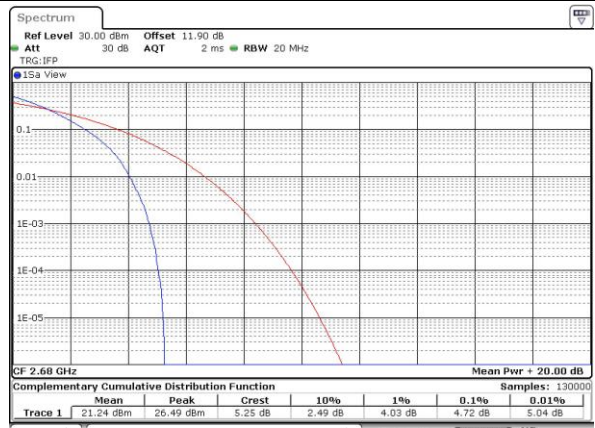
Date: 15 AUG 2018 18:20:55

Highest Channel / 1RB



Date: 15 AUG 2018 18:21:12

Highest Channel / Full RB

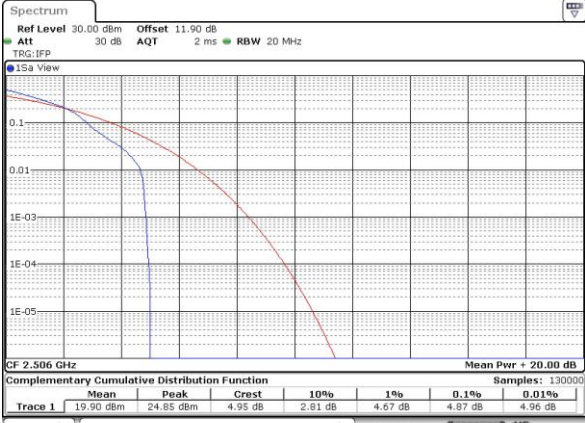


Date: 15 AUG 2018 18:21:29



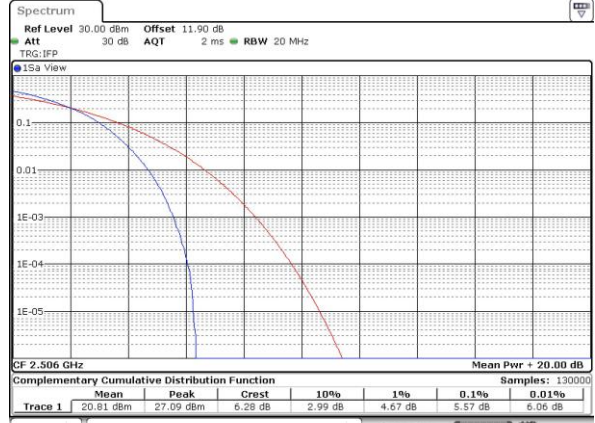
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



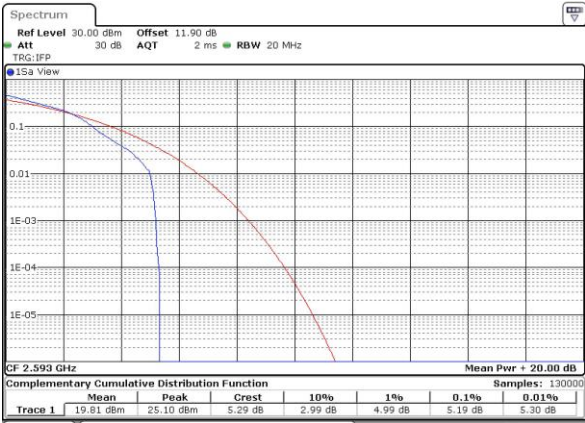
Date: 15 AUG 2018 18:16:22

Lowest Channel / Full RB



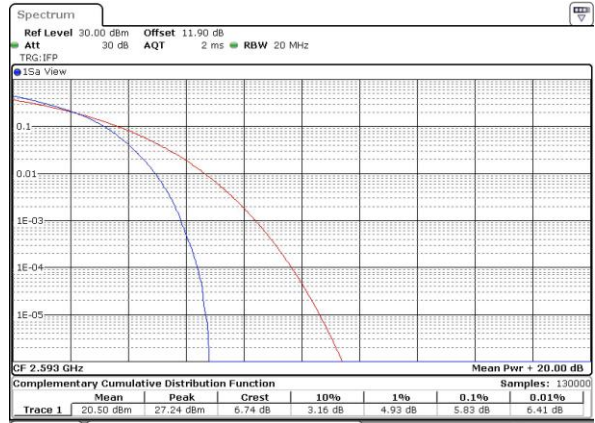
Date: 15 AUG 2018 18:16:45

Middle Channel / 1RB



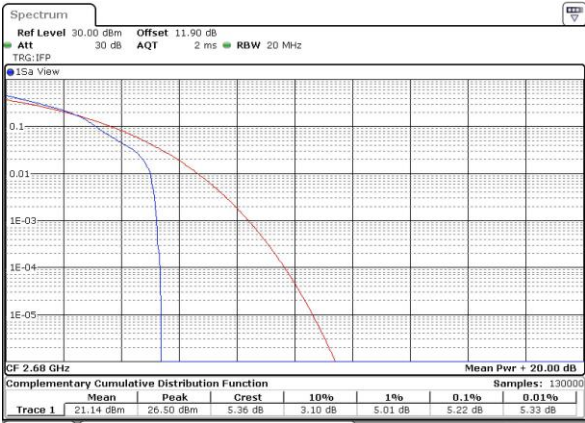
Date: 15 AUG 2018 18:17:04

Middle Channel / Full RB



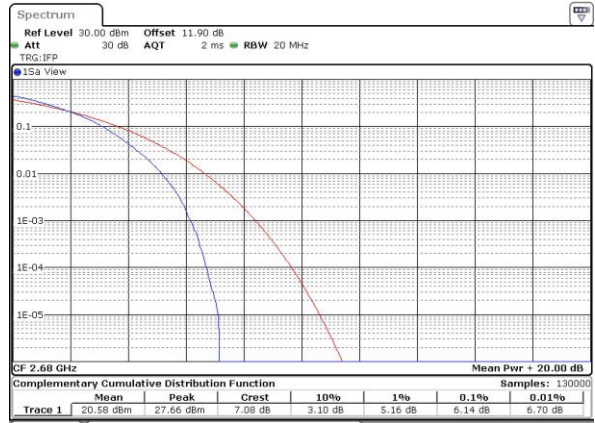
Date: 15 AUG 2018 18:17:19

Highest Channel / 1RB



Date: 15 AUG 2018 18:17:37

Highest Channel / Full RB



Date: 15 AUG 2018 18:17:54