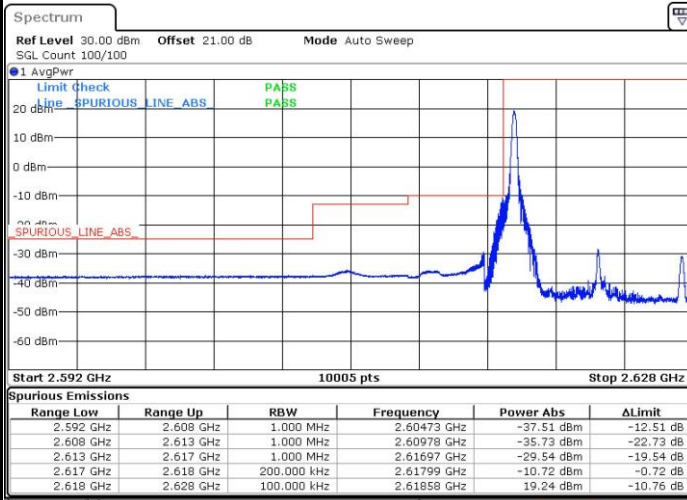




LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



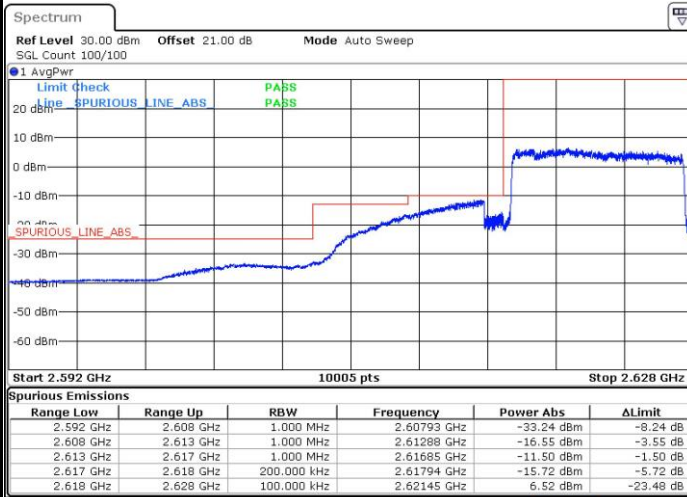
Date: 24.DEC.2018 23:27:24

Highest Band Edge / 1 RB



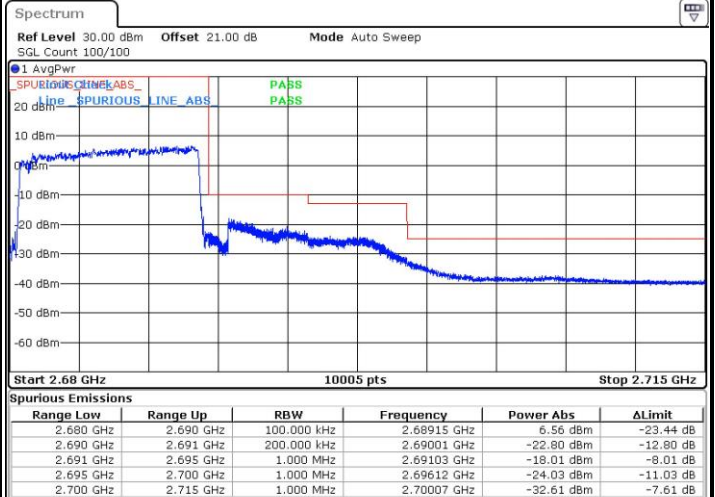
Date: 13.DEC.2018 21:56:19

Lowest Band Edge / Full RB



Date: 13.DEC.2018 21:15:46

Highest Band Edge / Full RB

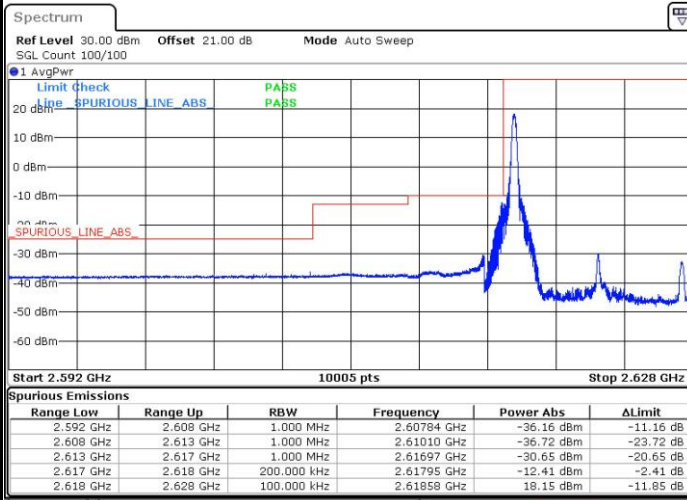


Date: 13.DEC.2018 21:48:49



LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



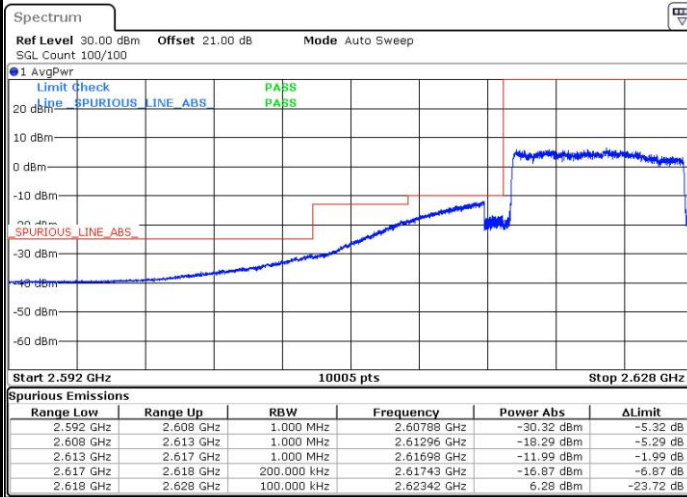
Date: 24.DEC.2018 23:26:10

Highest Band Edge / 1 RB



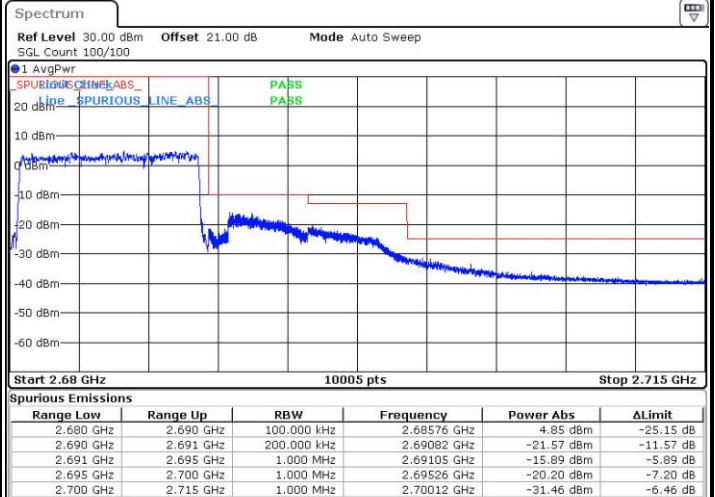
Date: 13.DEC.2018 21:18:34

Lowest Band Edge / Full RB



Date: 13.DEC.2018 21:54:44

Highest Band Edge / Full RB

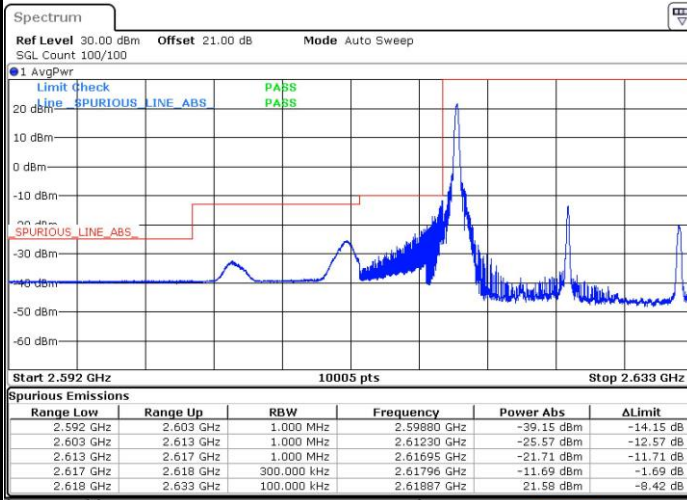


Date: 13.DEC.2018 21:49:20



LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



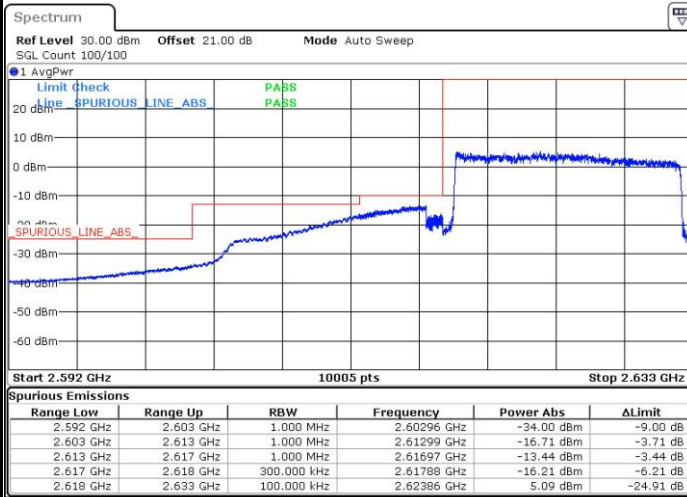
Date: 13 DEC 2018 21:21:24

Highest Band Edge / 1 RB



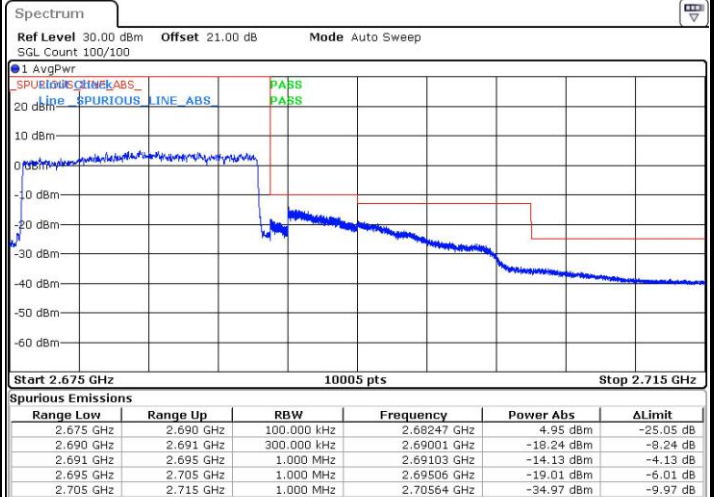
Date: 13 DEC 2018 21:25:07

Lowest Band Edge / Full RB



Date: 13 DEC 2018 22:00:46

Highest Band Edge / Full RB

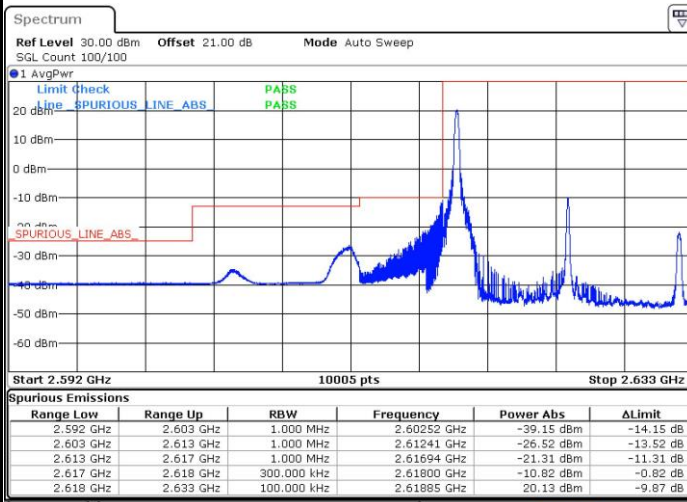


Date: 13 DEC 2018 21:27:00



LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



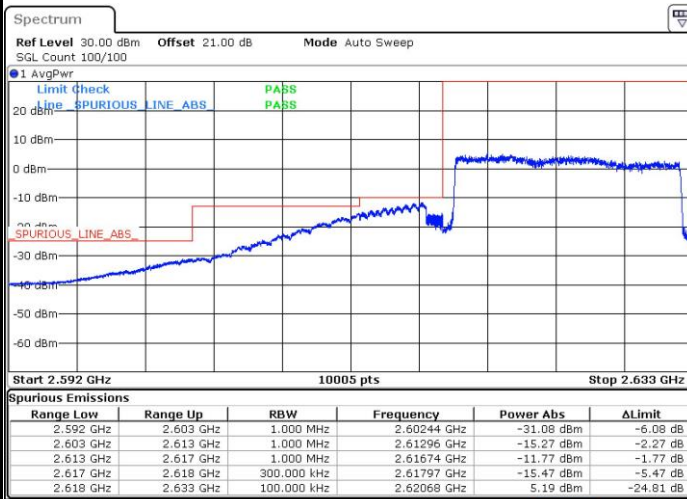
Date: 13 DEC 2018 21:58:29

Highest Band Edge / 1 RB



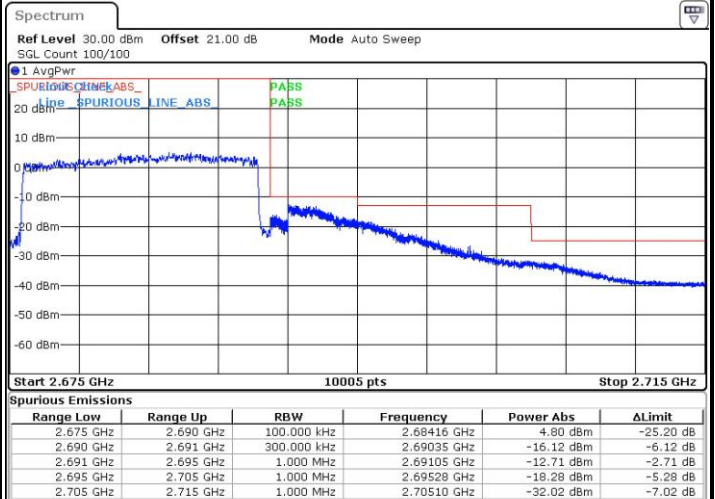
Date: 13 DEC 2018 21:26:04

Lowest Band Edge / Full RB



Date: 13 DEC 2018 21:59:24

Highest Band Edge / Full RB

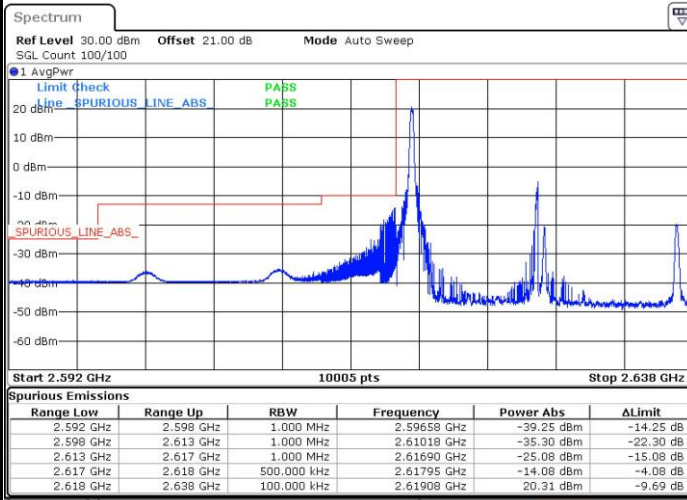


Date: 13 DEC 2018 21:27:56



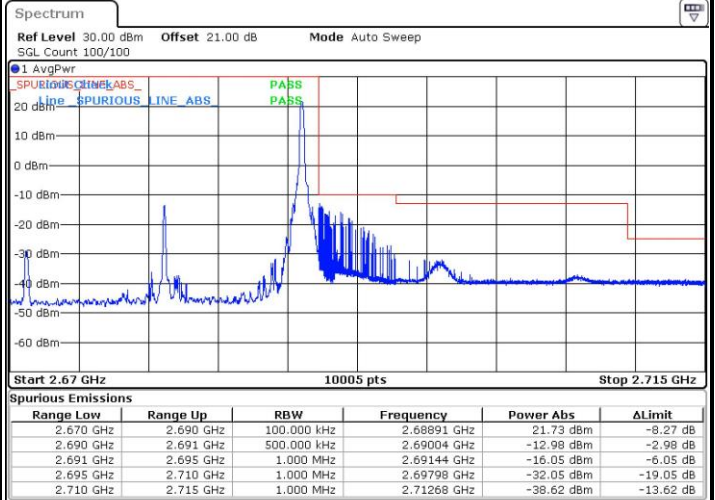
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



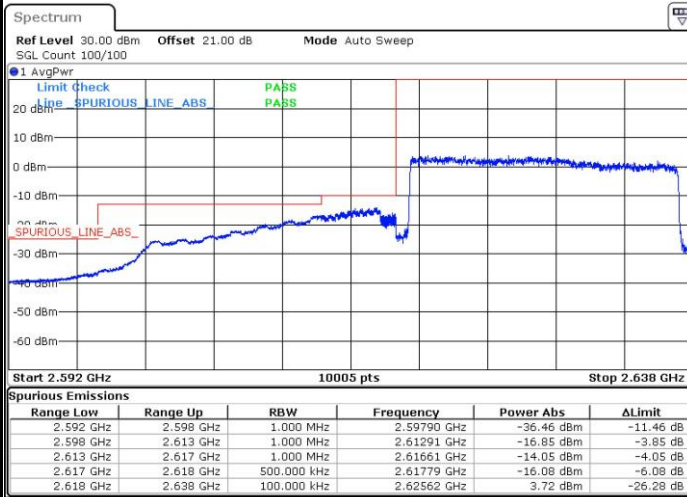
Date: 13 DEC 2018 21:35:00

Highest Band Edge / 1 RB



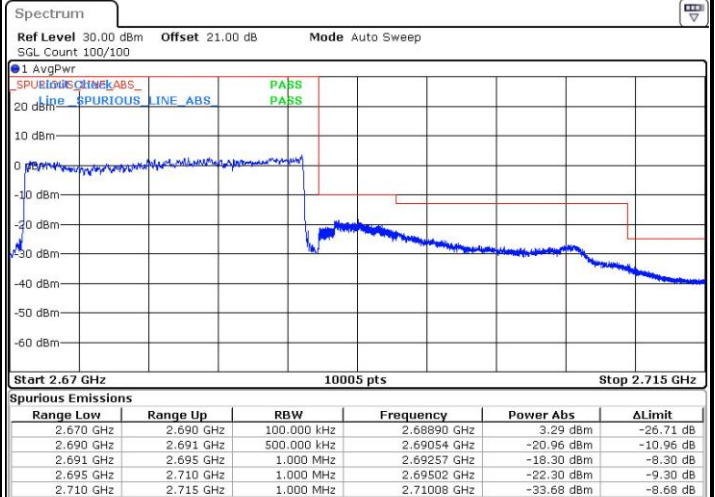
Date: 13 DEC 2018 22:05:08

Lowest Band Edge / Full RB



Date: 13 DEC 2018 22:02:51

Highest Band Edge / Full RB

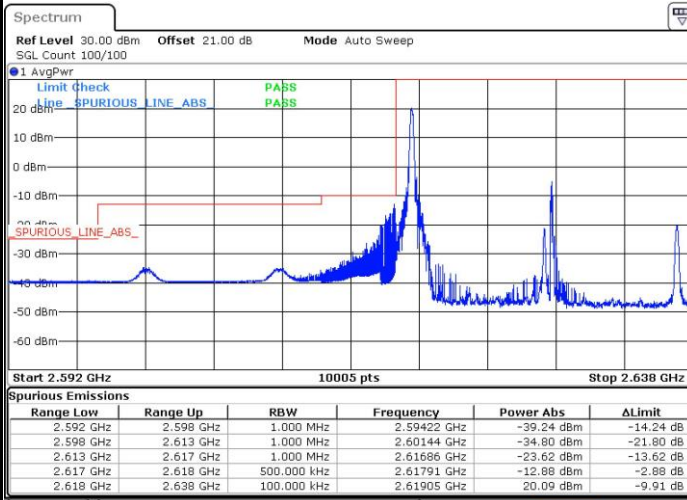


Date: 13 DEC 2018 22:05:45



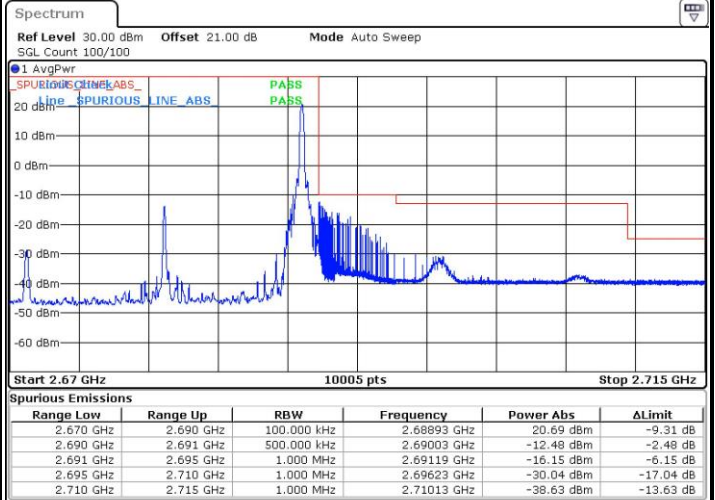
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



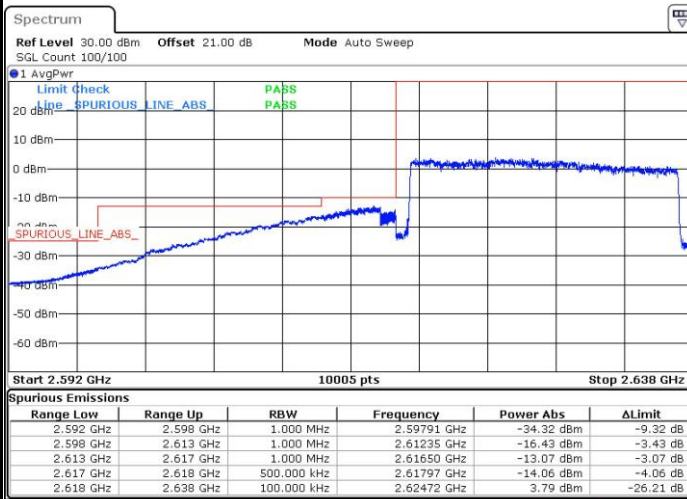
Date: 13 DEC 2018 21:37:39

Highest Band Edge / 1 RB



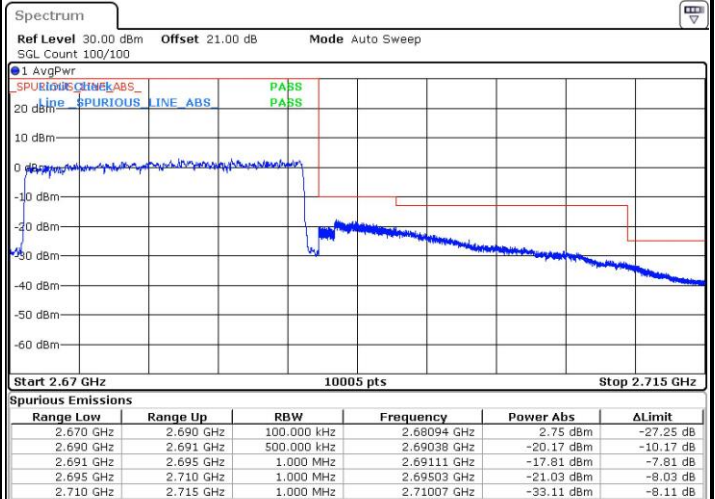
Date: 13 DEC 2018 22:05:23

Lowest Band Edge / Full RB



Date: 13 DEC 2018 22:03:21

Highest Band Edge / Full RB



Date: 13 DEC 2018 22:04:06



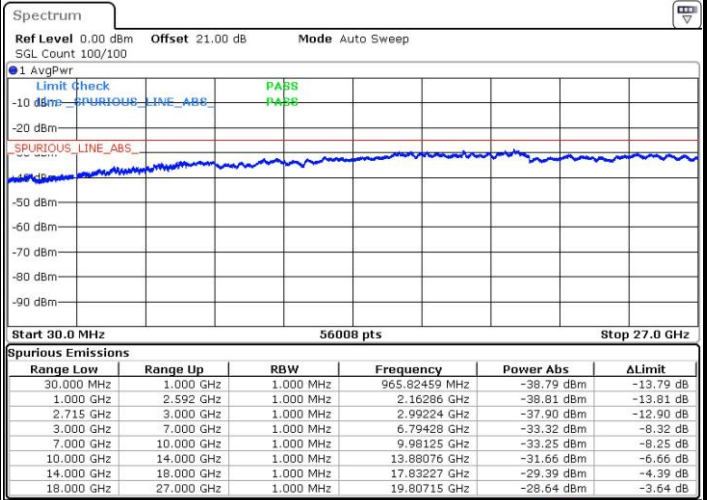
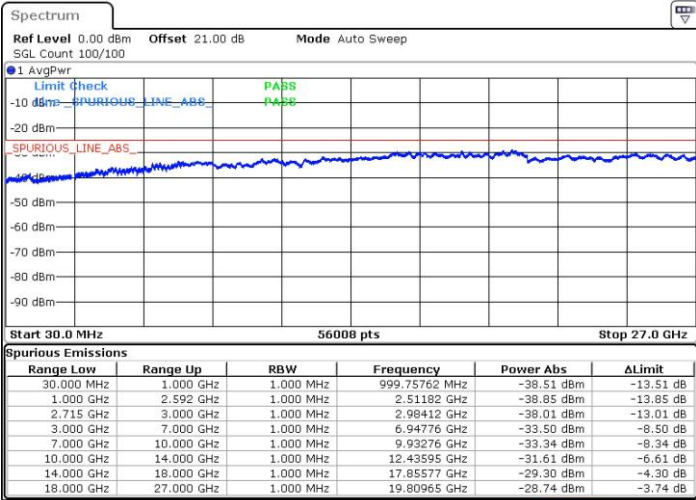
**Conducted Spurious Emission**



LTE Band 41 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

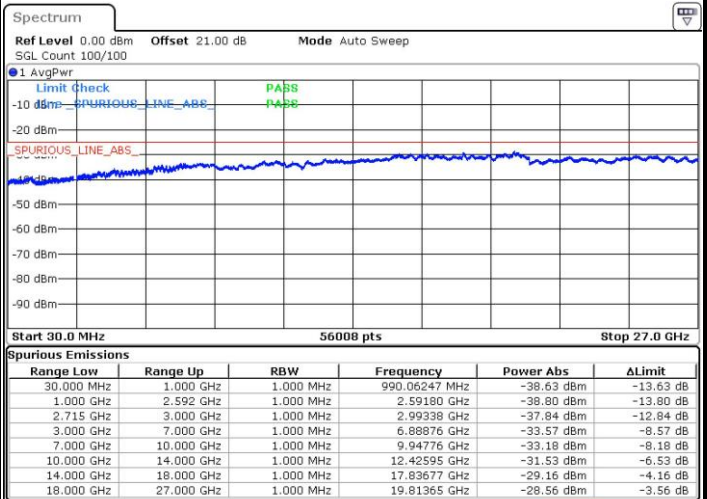
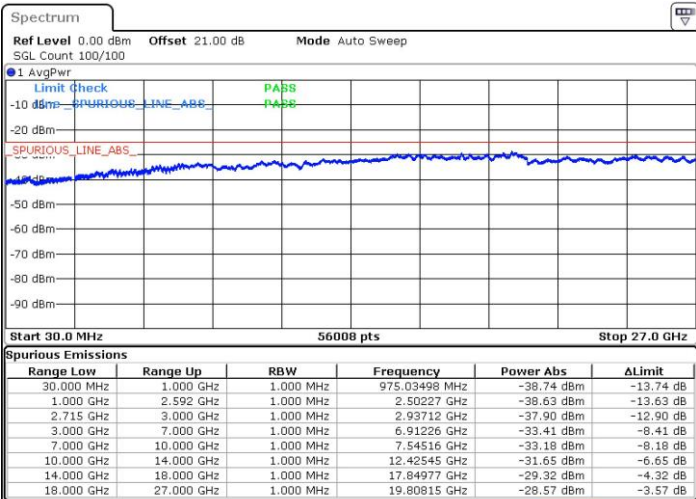


Date: 13.DEC.2018 20:35:12

Date: 13.DEC.2018 20:36:11

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 13.DEC.2018 20:37:13

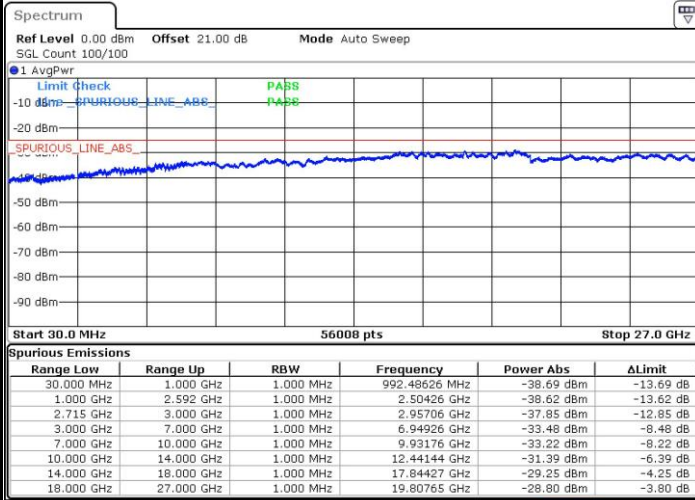
Date: 13.DEC.2018 20:38:17





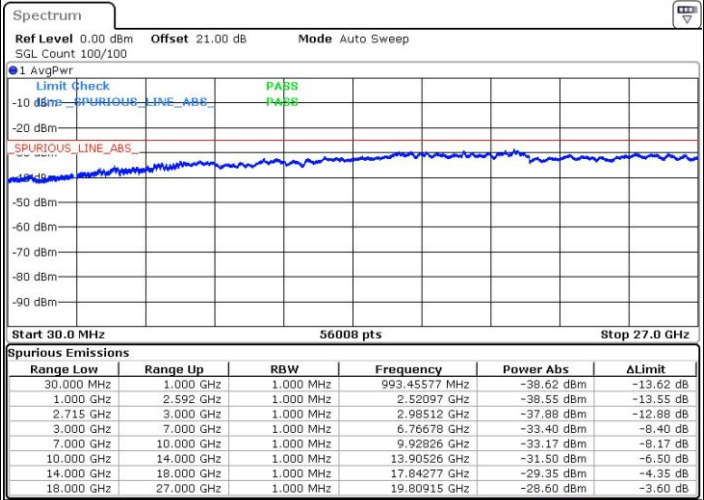
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 13.DEC.2018 20:39:50

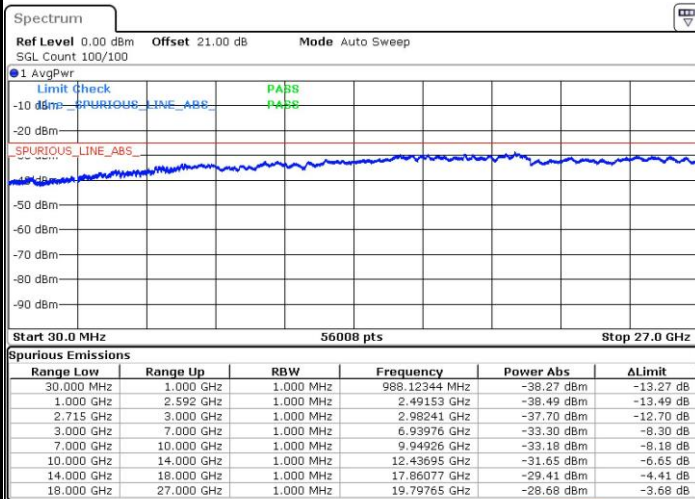
Highest Channel / 16QAM



Date: 13.DEC.2018 20:40:47

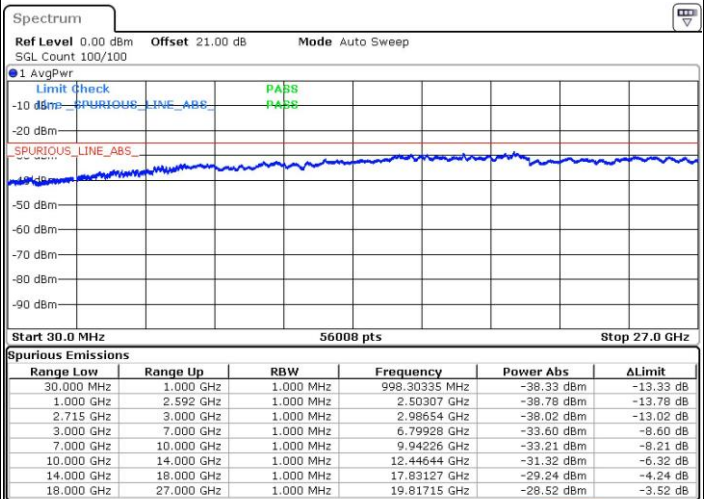
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 13.DEC.2018 20:41:48

Lowest Channel / 16QAM



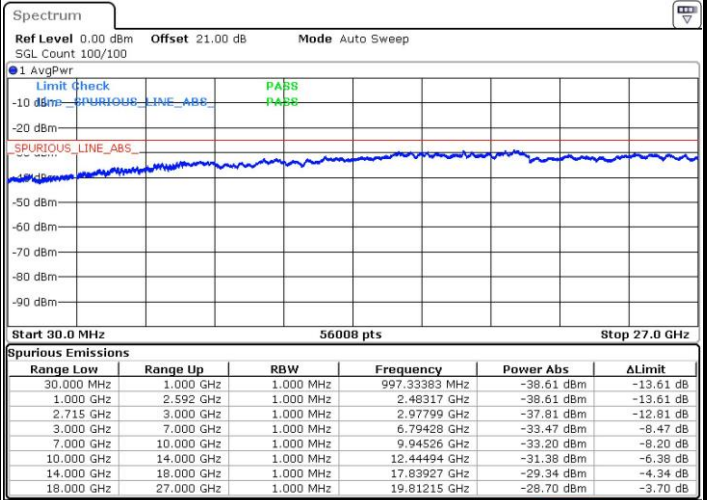
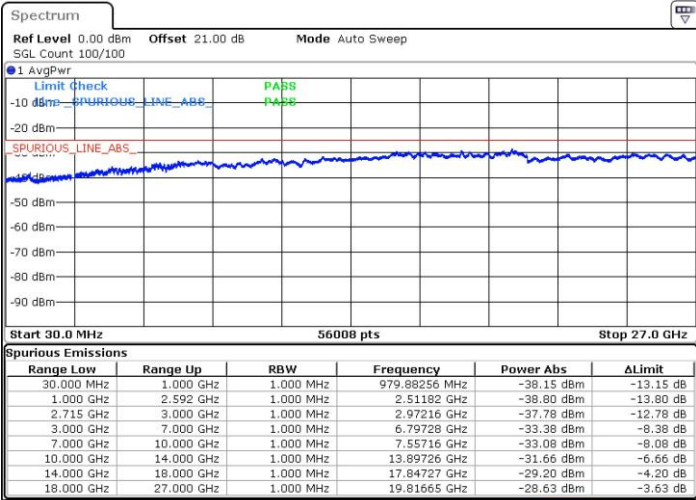
Date: 13.DEC.2018 20:43:13



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

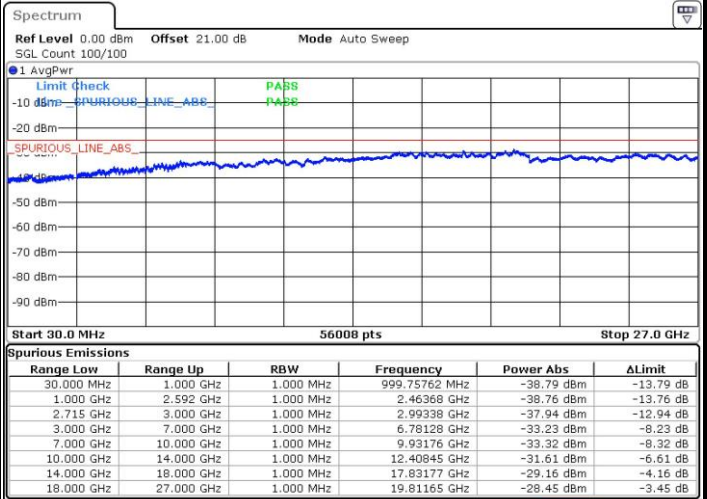
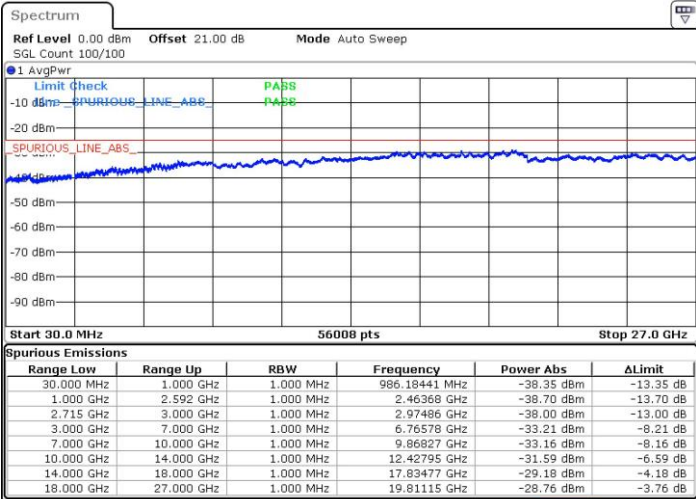


Date: 13.DEC.2018 20:44:12

Date: 13.DEC.2018 20:45:30

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 13.DEC.2018 20:47:09

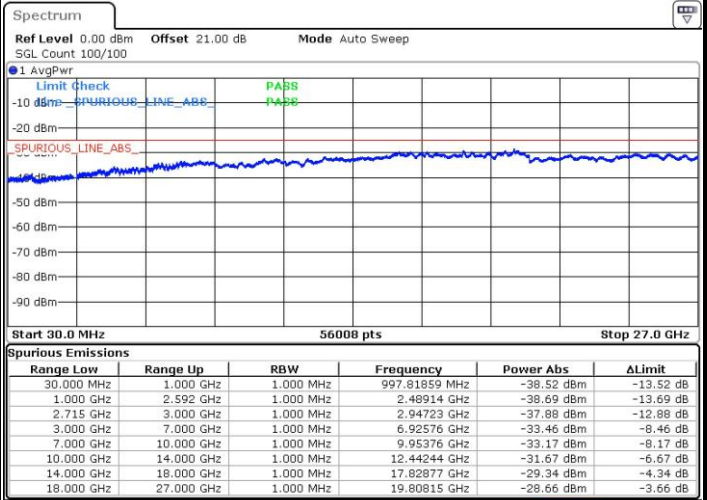
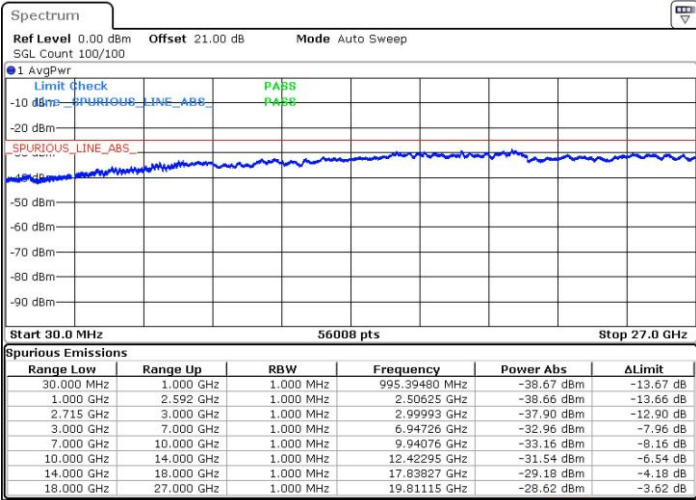
Date: 13.DEC.2018 20:48:37



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

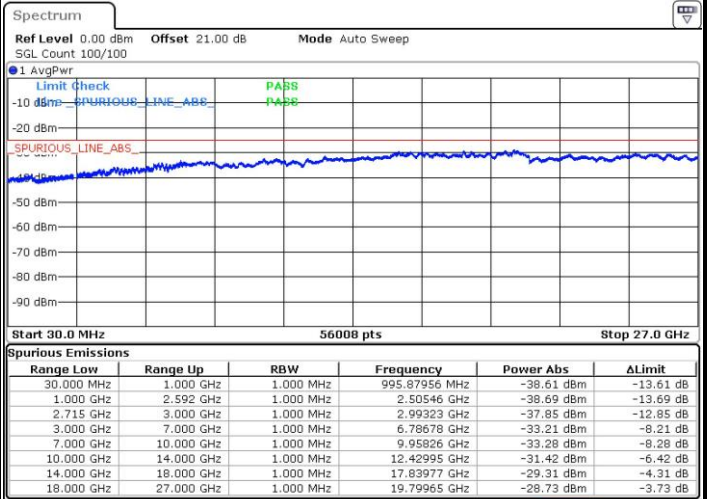
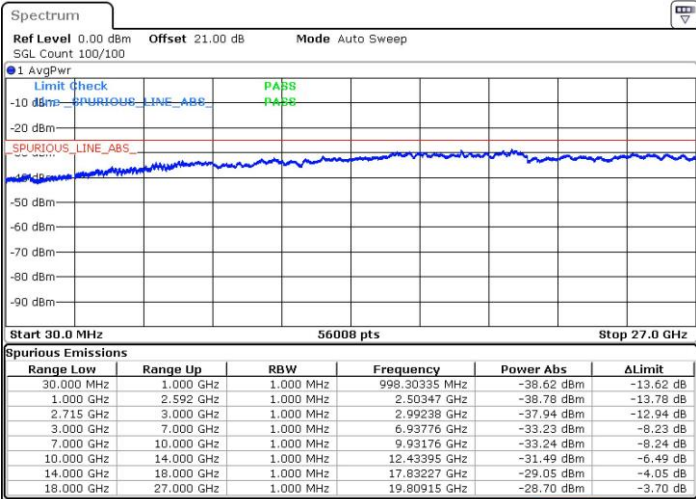


Date: 13.DEC.2018 20:49:36

Date: 13.DEC.2018 20:50:37

Middle Channel / QPSK

Middle Channel / 16QAM



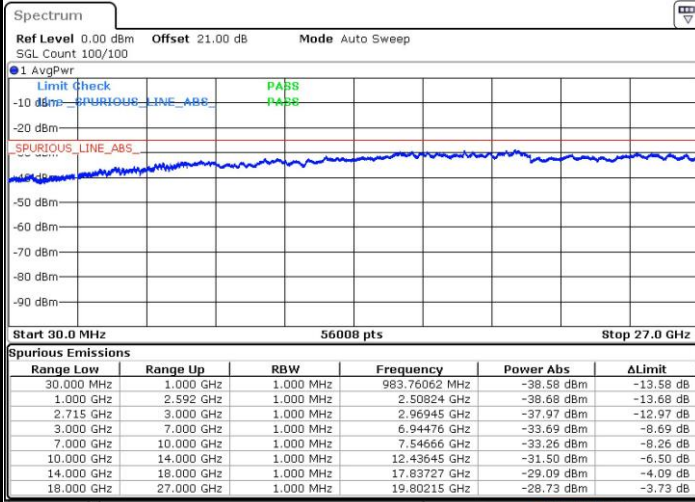
Date: 13.DEC.2018 20:51:35

Date: 13.DEC.2018 20:52:33



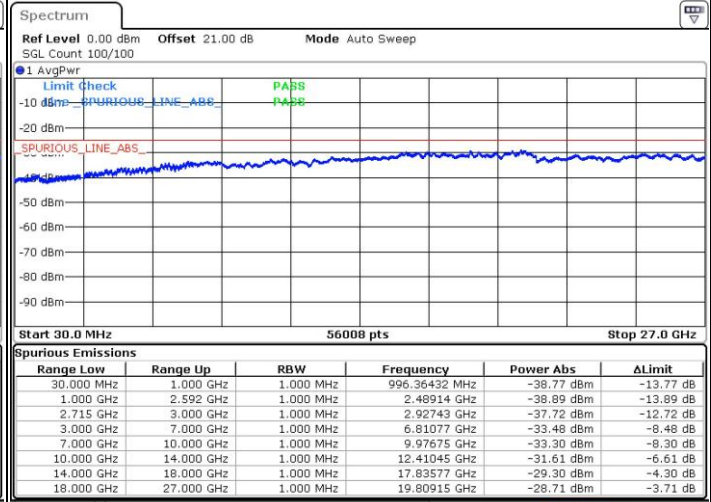
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 13 DEC 2018 20:53:30

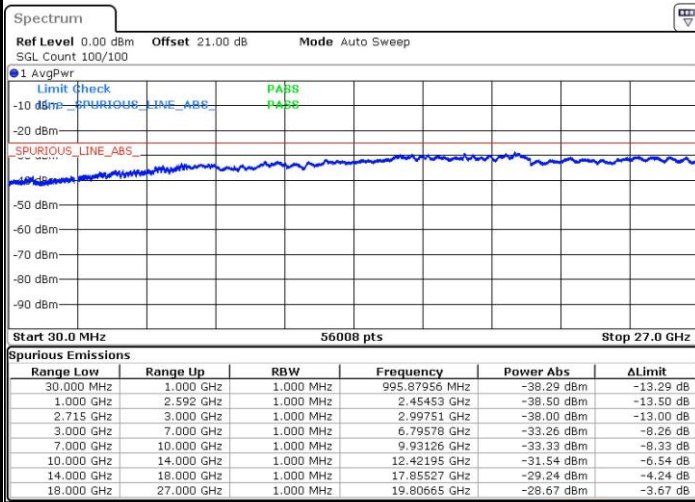
Highest Channel / 16QAM



Date: 13 DEC 2018 20:54:28

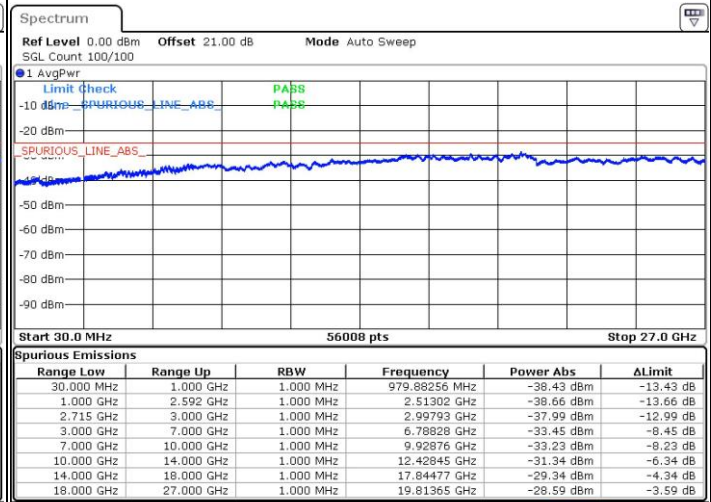
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 13 DEC 2018 20:55:25

Lowest Channel / 16QAM



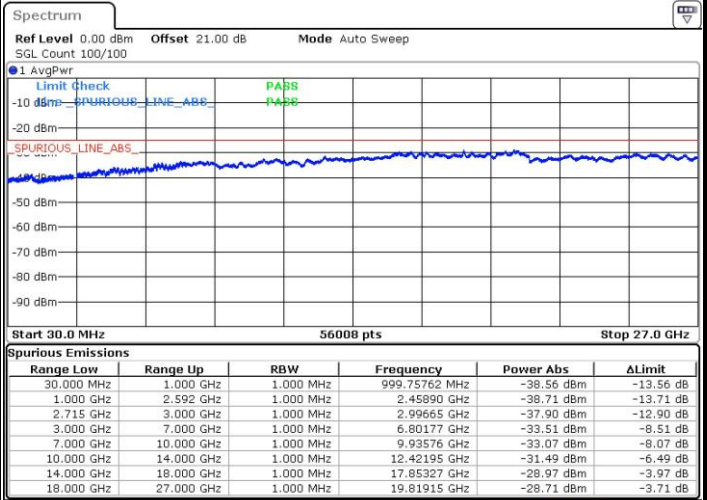
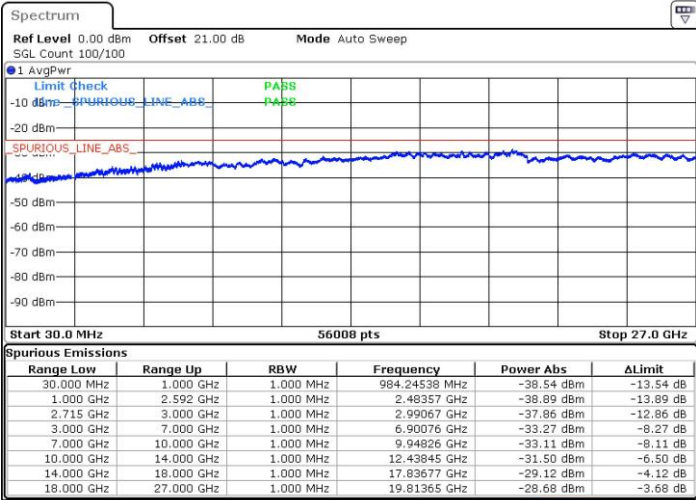
Date: 13 DEC 2018 20:56:23



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

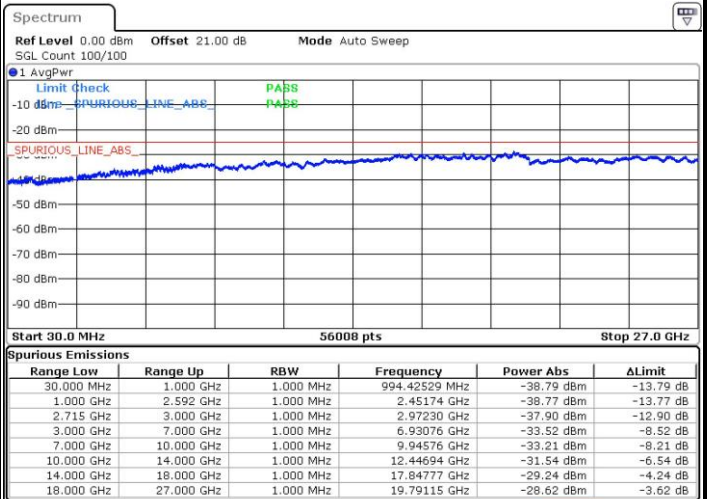
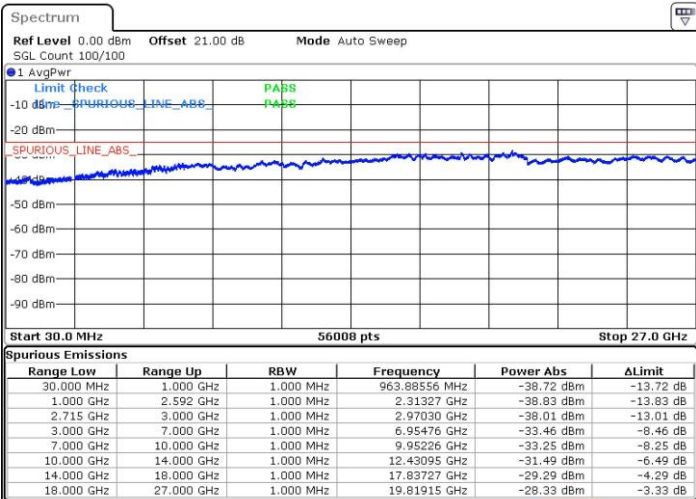


Date: 13.DEC.2018 20:57:20

Date: 13.DEC.2018 20:58:19

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 13.DEC.2018 20:59:17

Date: 13.DEC.2018 21:00:14



**Frequency Stability**

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0051	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0033	

**Note:**

- 3. Normal Voltage =120 V. ; Minimum Voltage =100 V. ; Maximum Voltage =240 V.
- 4. Note: The frequency fundamental emissions stay within the authorized frequency block.



<For 4x4 Tx High Band Chain 3>

**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	4.52	4.61	4.14	5.19	<b>PASS</b>
Middle CH	5.25	4.52	5.30	4.99	
Highest CH	4.87	5.01	4.96	5.62	



LTE Band 41 / 20MHz / QPSK

Lowest Channel / 1RB



Date: 13 DEC 2018 23:35:33

Lowest Channel / Full RB



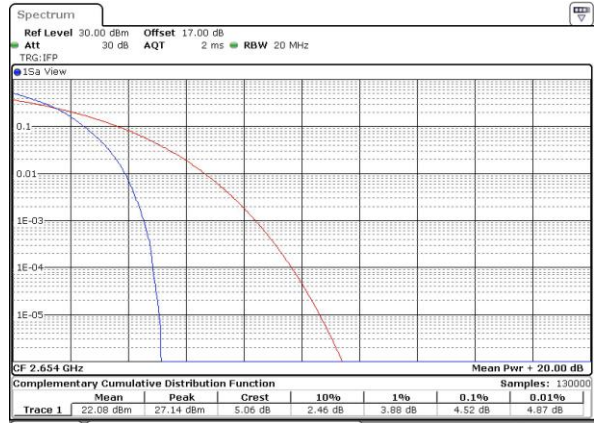
Date: 13 DEC 2018 23:35:56

Middle Channel / 1RB



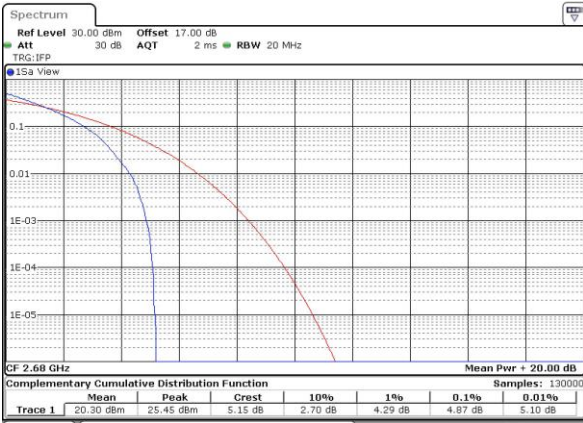
Date: 13 DEC 2018 23:37:08

Middle Channel / Full RB



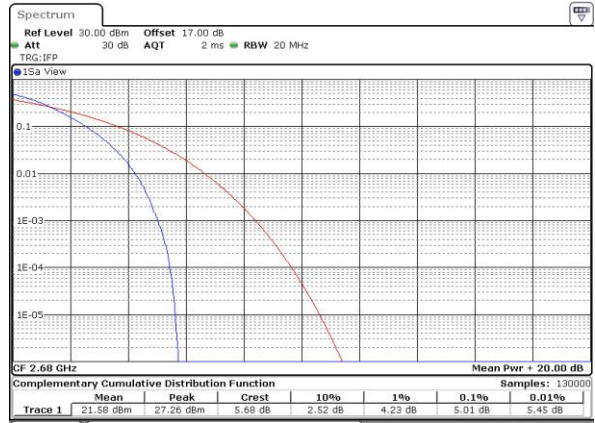
Date: 13 DEC 2018 23:36:50

Highest Channel / 1RB



Date: 13 DEC 2018 23:39:19

Highest Channel / Full RB



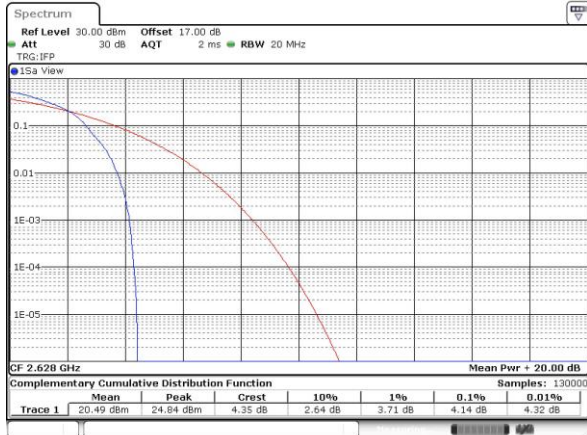
Date: 13 DEC 2018 23:39:48





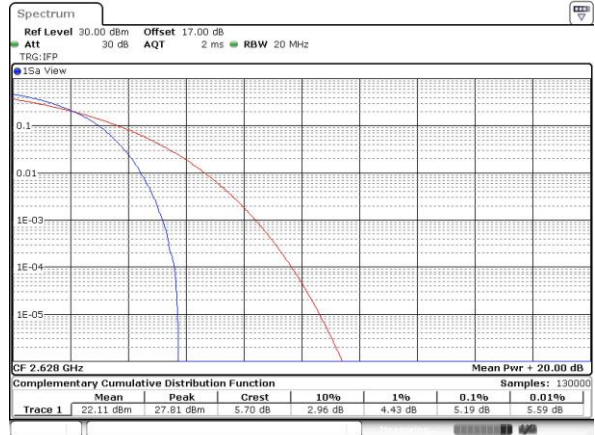
LTE Band 41 / 20MHz / 16QAM

Lowest Channel / 1RB



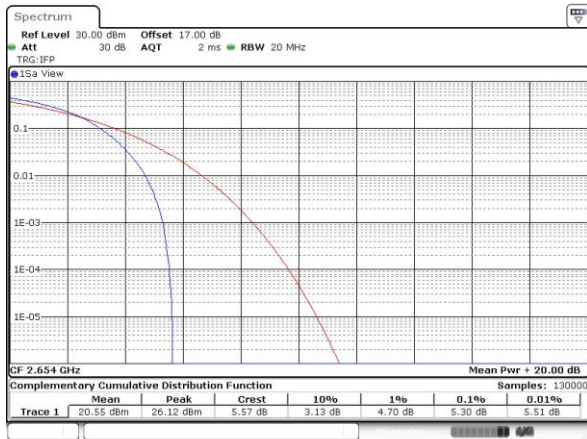
Date: 13 DEC 2018 23:35:11

Lowest Channel / Full RB



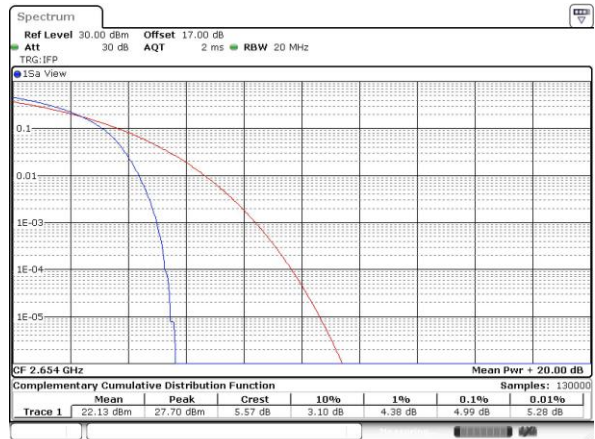
Date: 13 DEC 2018 23:34:49

Middle Channel / 1RB



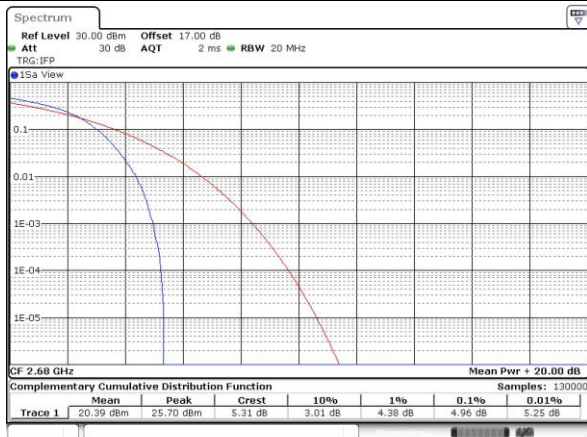
Date: 13 DEC 2018 23:37:30

Middle Channel / Full RB



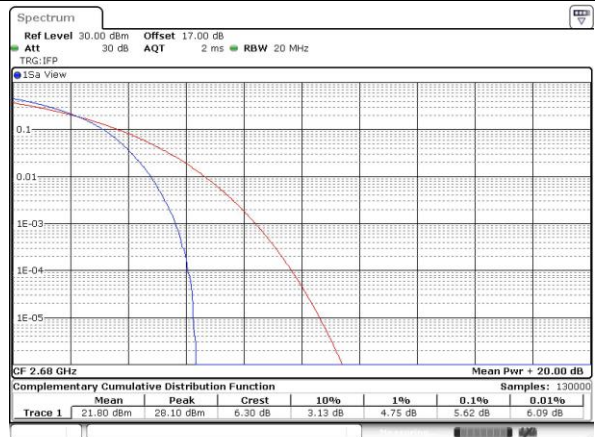
Date: 13 DEC 2018 23:37:47

Highest Channel / 1RB



Date: 13 DEC 2018 23:38:59

Highest Channel / Full RB



Date: 13 DEC 2018 23:38:41



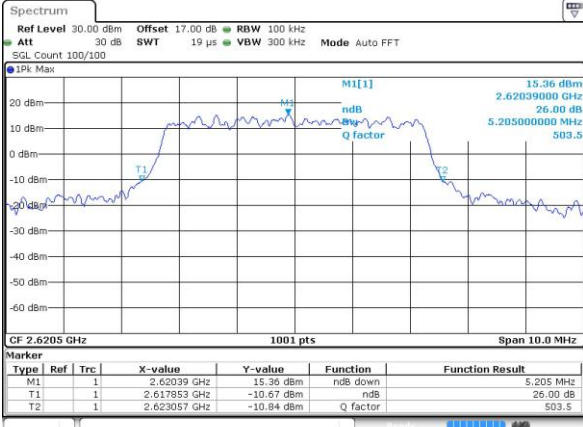
**26dB Bandwidth**

Mode	LTE Band 41 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.21	5.40	9.91	9.75	14.24	14.18	20.18	20.14
Middle CH	-	-	-	-	5.04	4.99	9.75	9.89	14.48	14.24	20.18	20.14
Highest CH	-	-	-	-	4.84	5.15	9.87	9.83	14.45	14.21	20.18	20.22



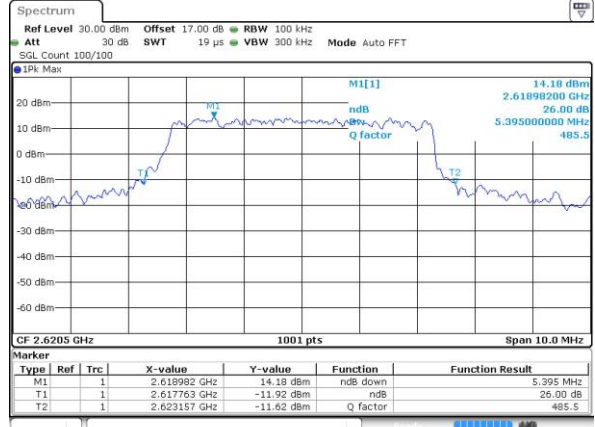
LTE Band 41

Lowest Channel / 5MHz / QPSK



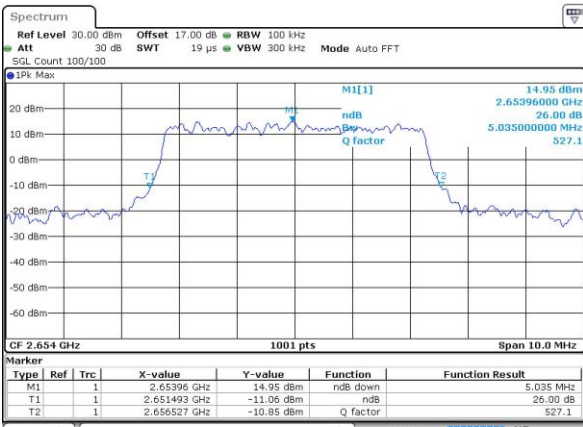
Date: 13 DEC 2018 23:23:55

Lowest Channel / 5MHz / 16QAM



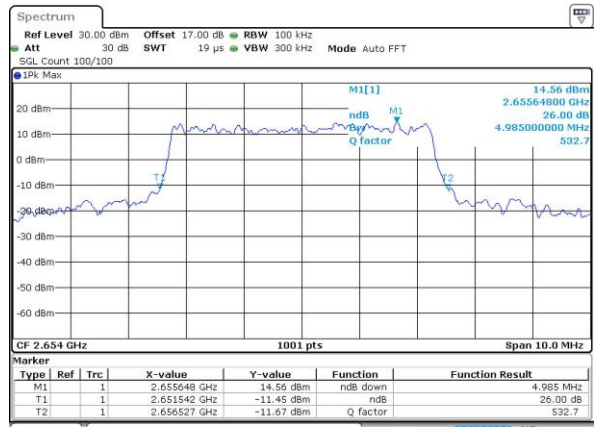
Date: 13 DEC 2018 23:24:08

Middle Channel / 5MHz / QPSK



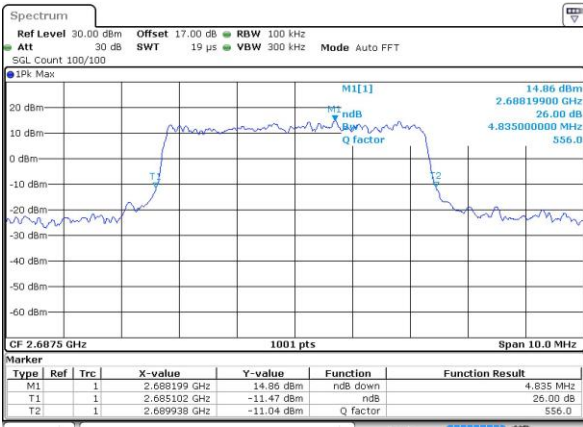
Date: 13 DEC 2018 23:24:45

Middle Channel / 5MHz / 16QAM



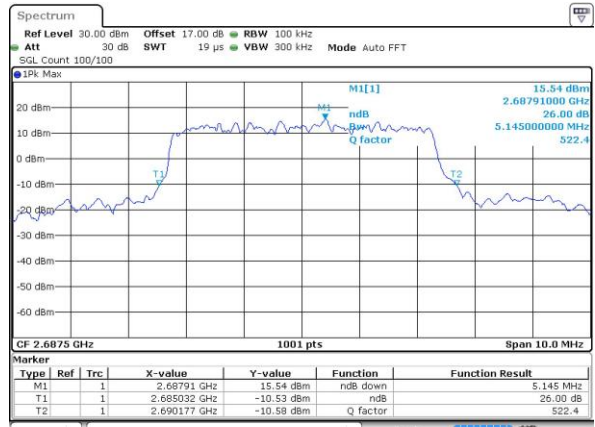
Date: 13 DEC 2018 23:24:58

Highest Channel / 5MHz / QPSK



Date: 13 DEC 2018 23:25:34

Highest Channel / 5MHz / 16QAM

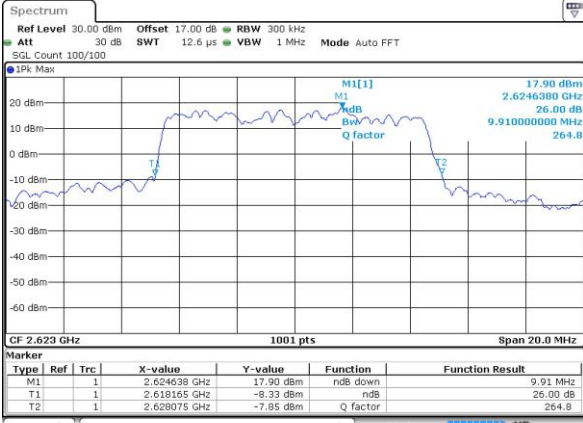


Date: 13 DEC 2018 23:25:47



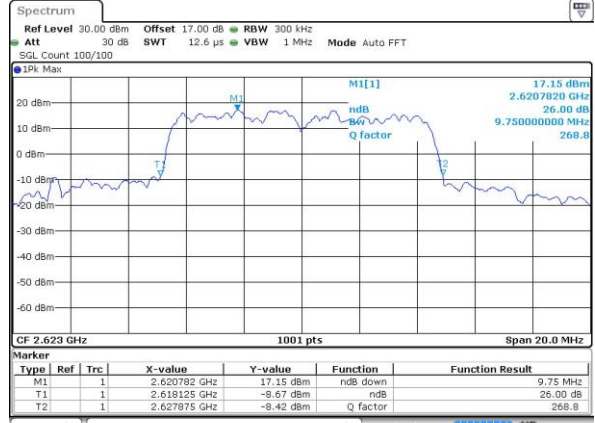
LTE Band 41

Lowest Channel / 10MHz / QPSK



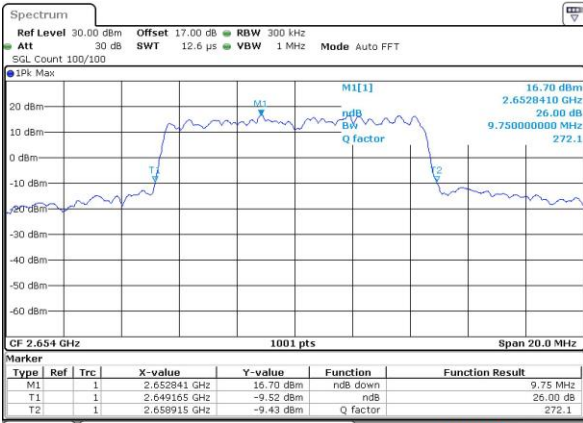
Date: 13 DEC 2018 23:26:25

Lowest Channel / 10MHz / 16QAM



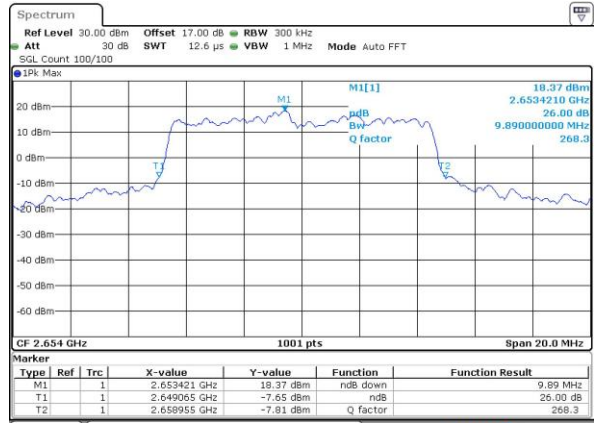
Date: 13 DEC 2018 23:26:37

Middle Channel / 10MHz / QPSK



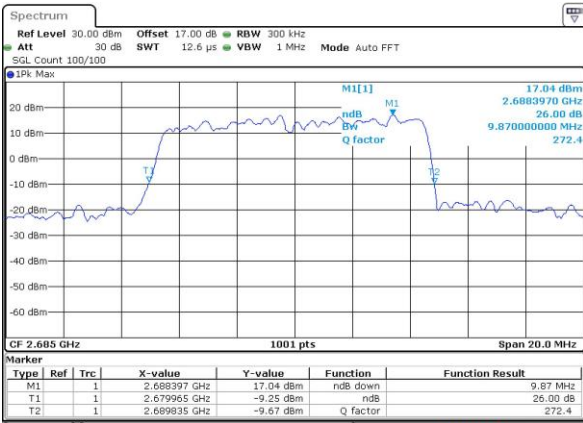
Date: 13 DEC 2018 23:27:15

Middle Channel / 10MHz / 16QAM



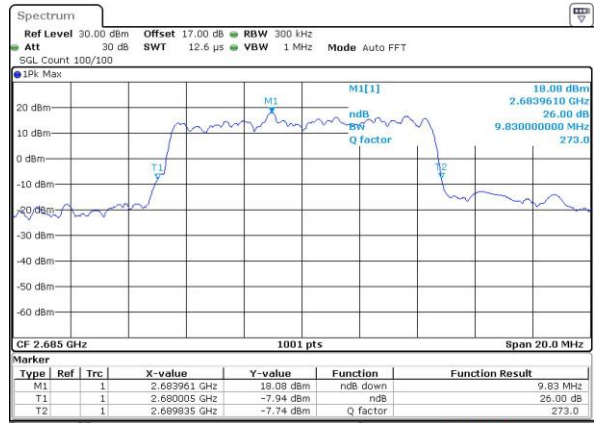
Date: 13 DEC 2018 23:27:27

Highest Channel / 10MHz / QPSK



Date: 13 DEC 2018 23:28:04

Highest Channel / 10MHz / 16QAM



Date: 13 DEC 2018 23:28:17