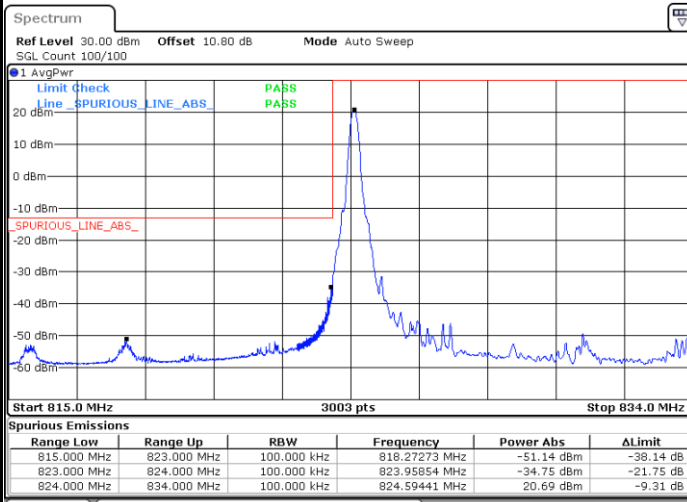




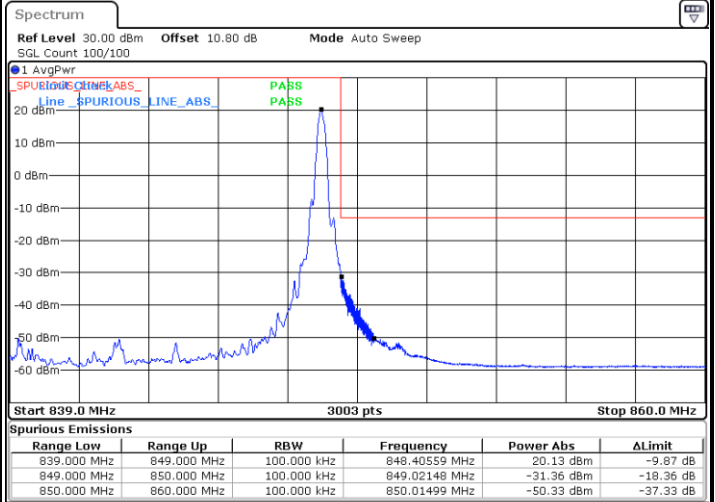
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



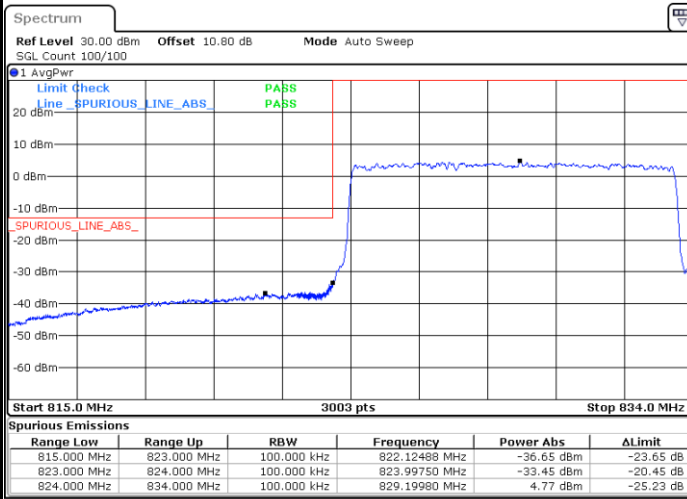
Date: 13.FEB.2020 08:46:14

Highest Band Edge / 1 RB



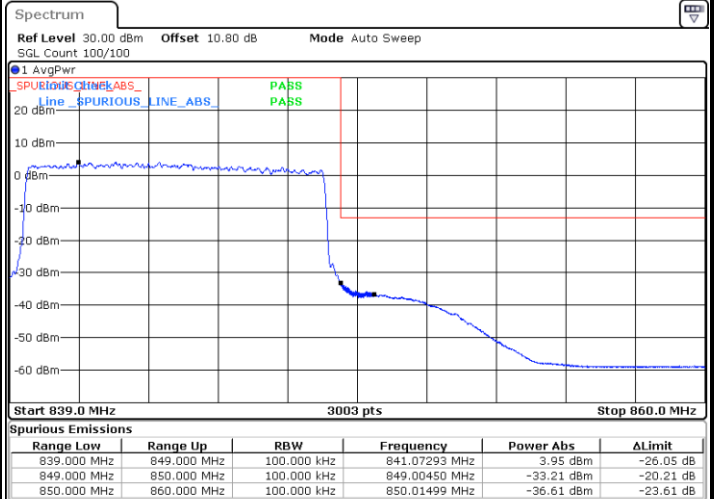
Date: 13.FEB.2020 08:54:13

Lowest Band Edge / Full RB



Date: 13.FEB.2020 08:45:19

Highest Band Edge / Full RB

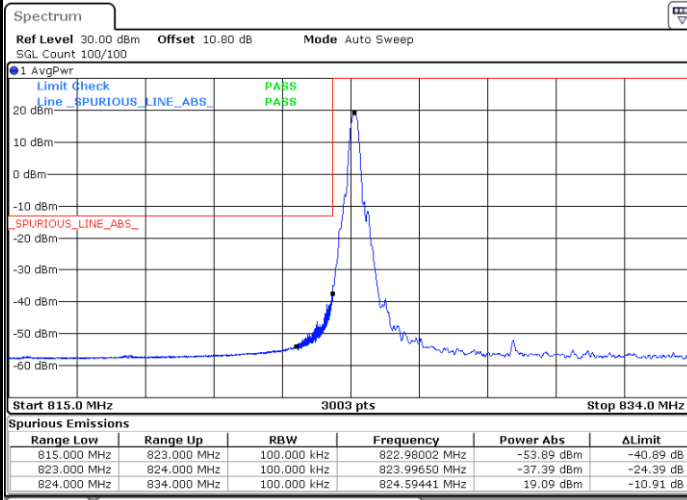


Date: 13.FEB.2020 08:55:08



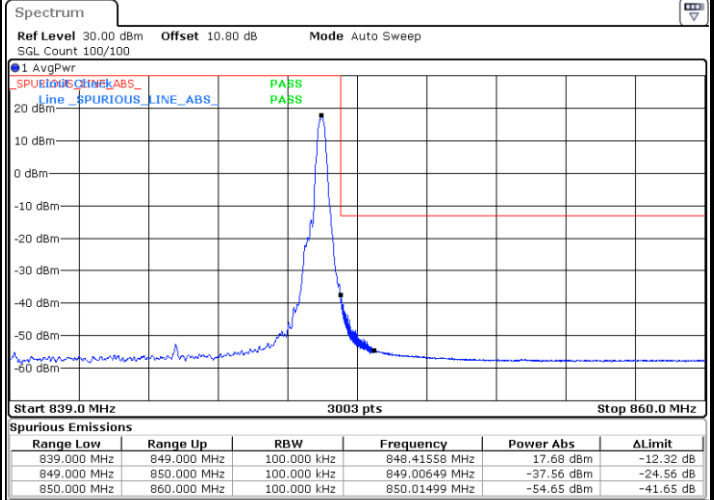
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



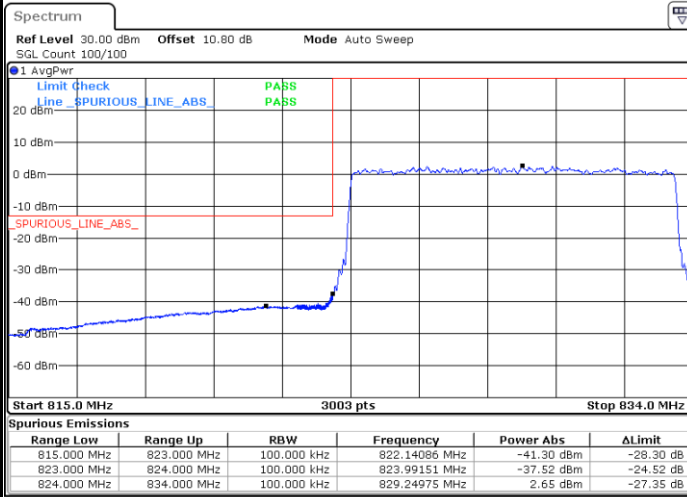
Date: 13.FEB.2020 08:37:00

Highest Band Edge / 1 RB



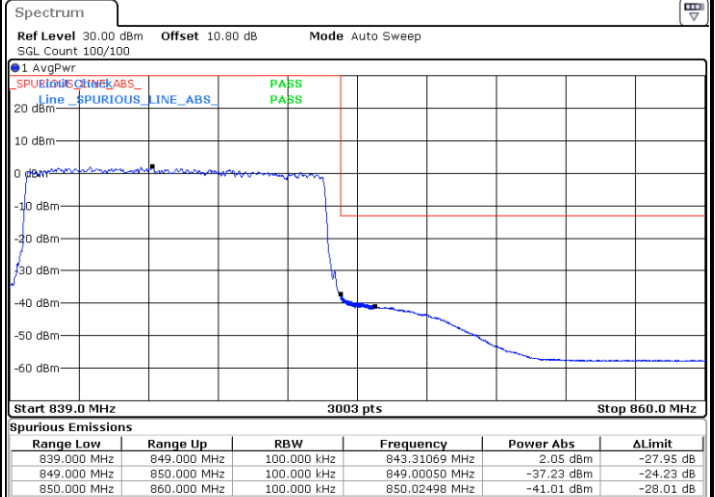
Date: 13.FEB.2020 08:40:51

Lowest Band Edge / Full RB



Date: 13.FEB.2020 08:36:04

Highest Band Edge / Full RB

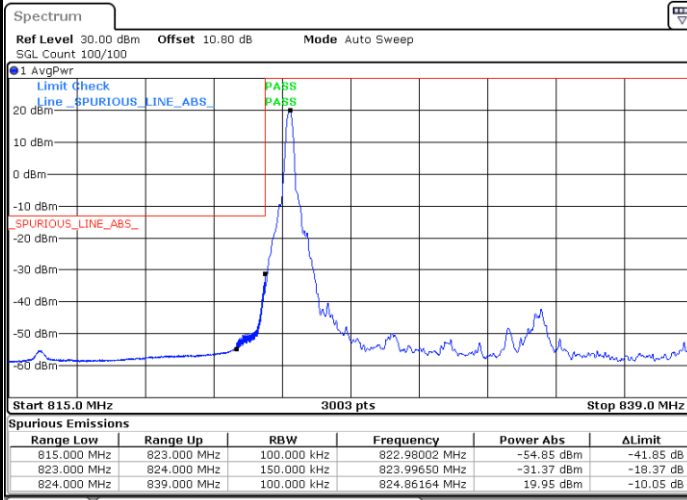


Date: 13.FEB.2020 08:41:47



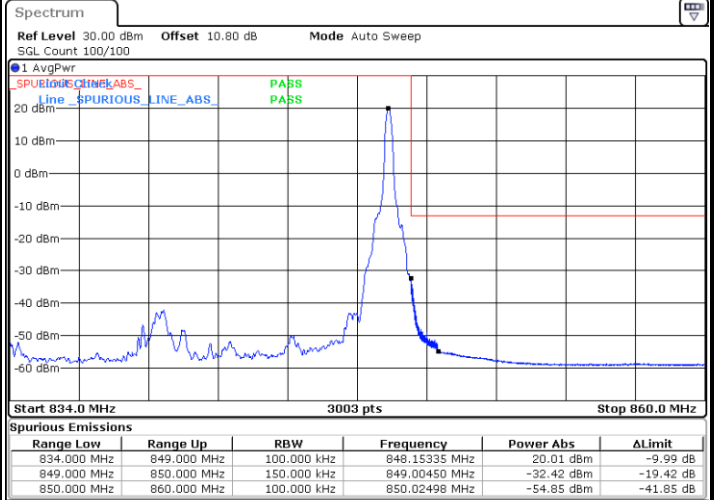
LTE Band 26 / 15MHz / QPSK

Lowest Band Edge / 1 RB



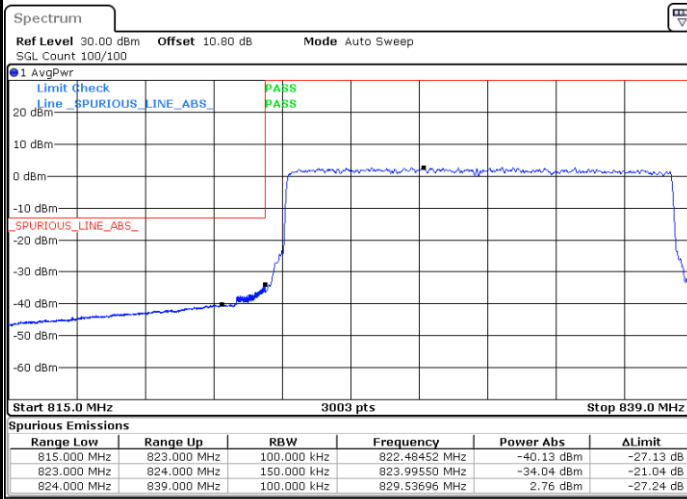
Date: 13.FEB.2020 09:02:16

Highest Band Edge / 1 RB



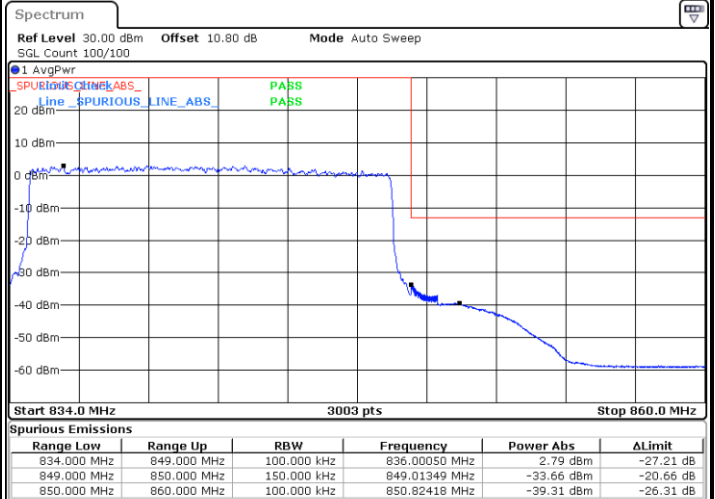
Date: 13.FEB.2020 09:08:24

Lowest Band Edge / Full RB



Date: 13.FEB.2020 08:59:33

Highest Band Edge / Full RB

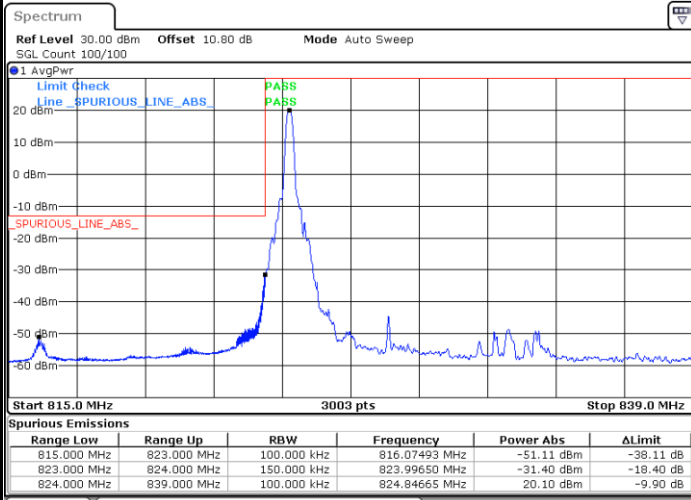


Date: 13.FEB.2020 09:11:08



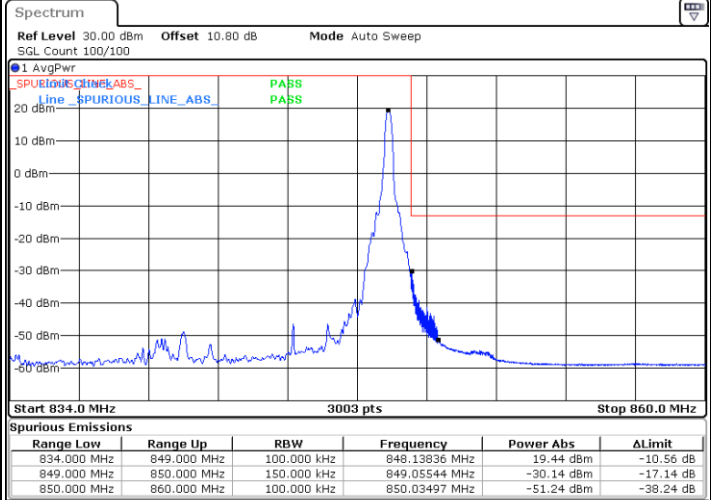
LTE Band 26 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



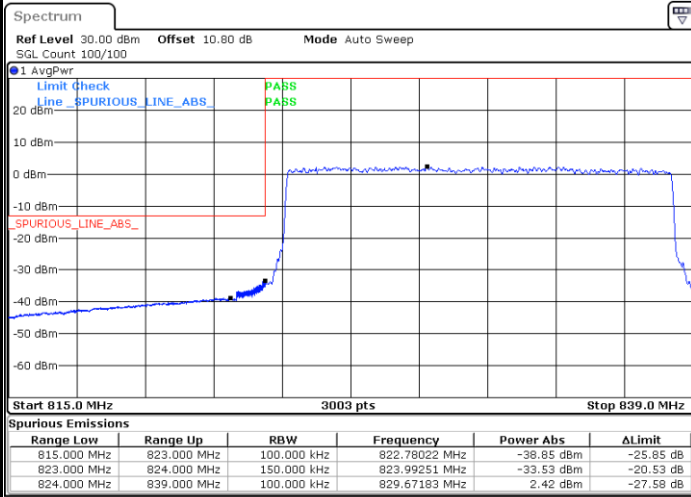
Date: 13.FEB.2020 09:01:21

Highest Band Edge / 1 RB



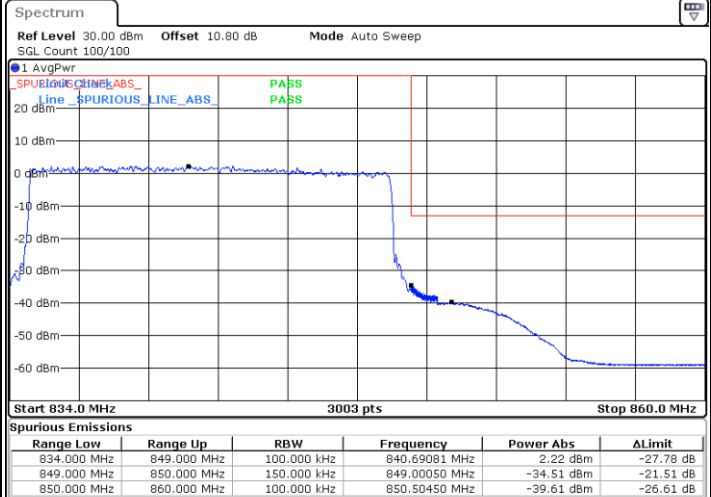
Date: 13.FEB.2020 09:09:19

Lowest Band Edge / Full RB



Date: 13.FEB.2020 09:00:27

Highest Band Edge / Full RB

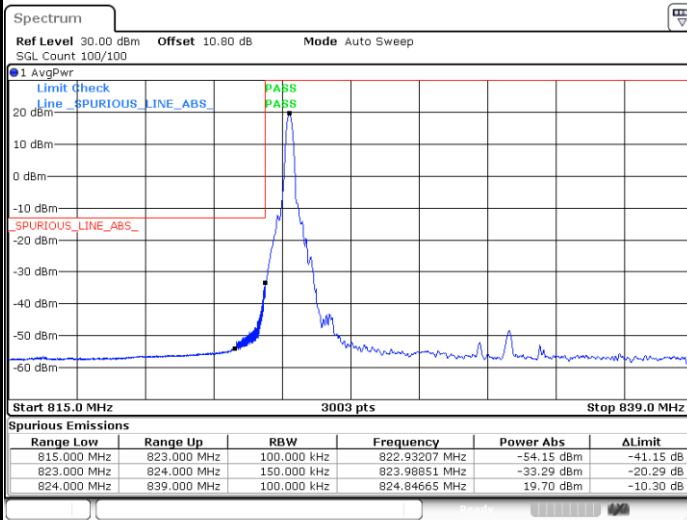


Date: 13.FEB.2020 09:10:13



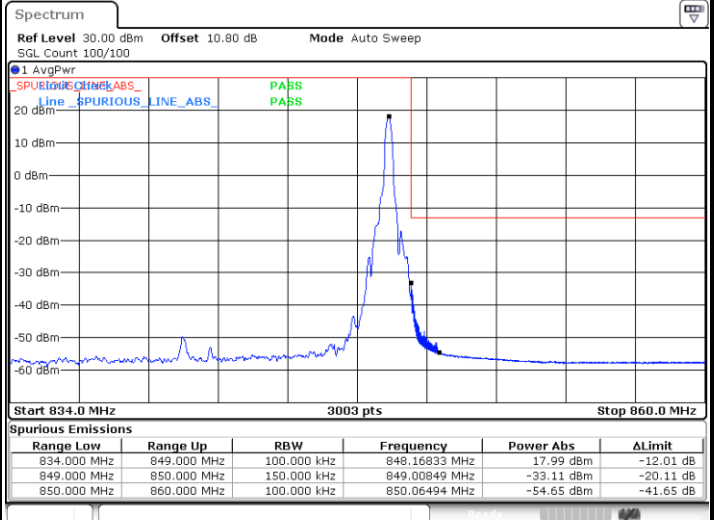
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



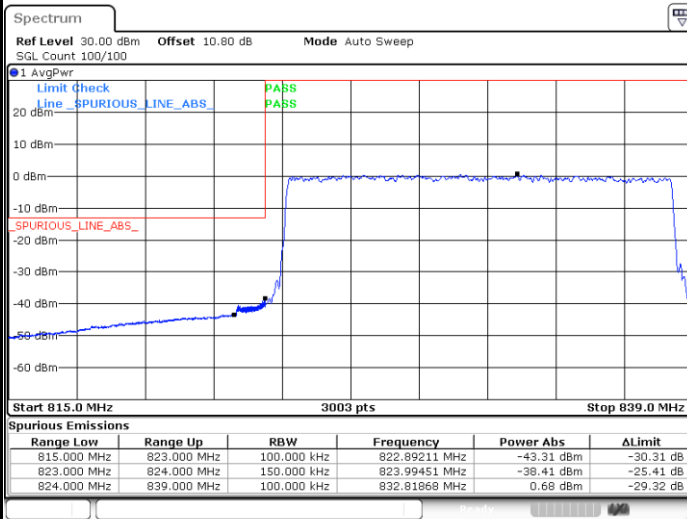
Date: 13.FEB.2020 08:45:11

Highest Band Edge / 1 RB



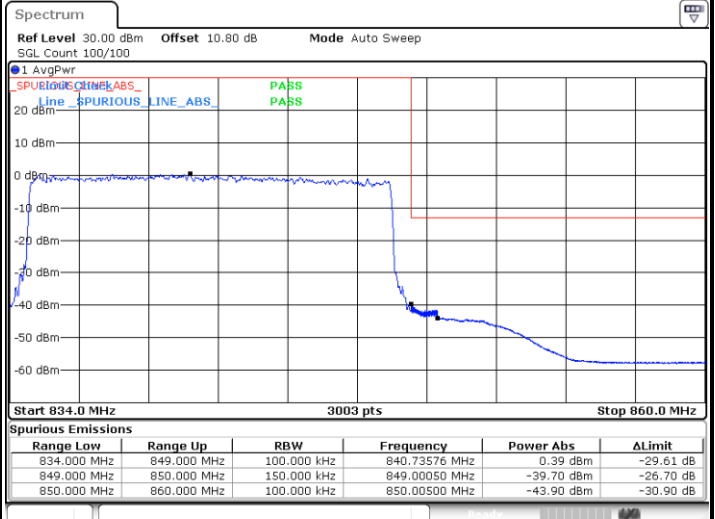
Date: 13.FEB.2020 08:49:04

Lowest Band Edge / Full RB



Date: 13.FEB.2020 08:44:12

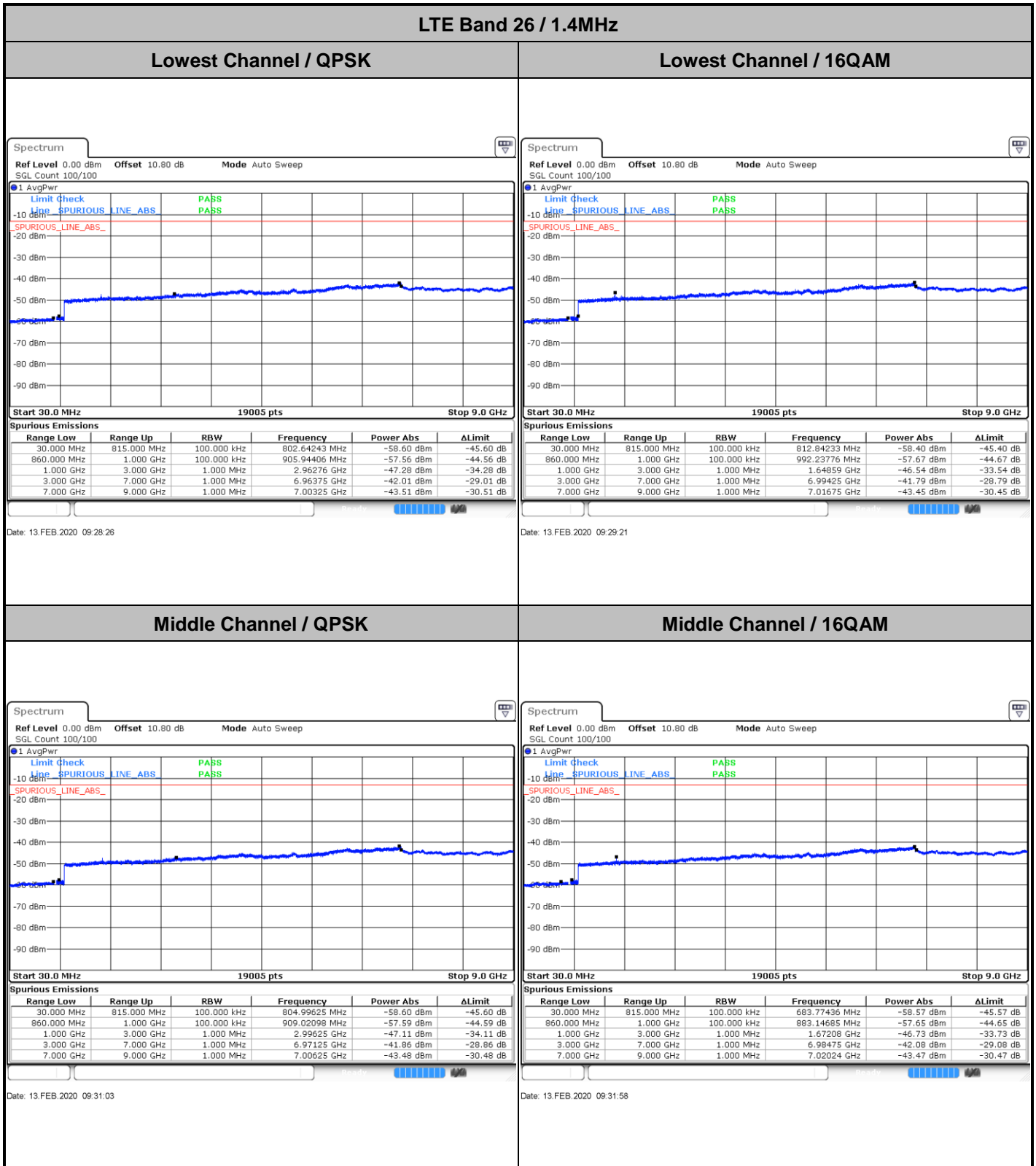
Highest Band Edge / Full RB



Date: 13.FEB.2020 08:50:04



# Conducted Spurious Emission

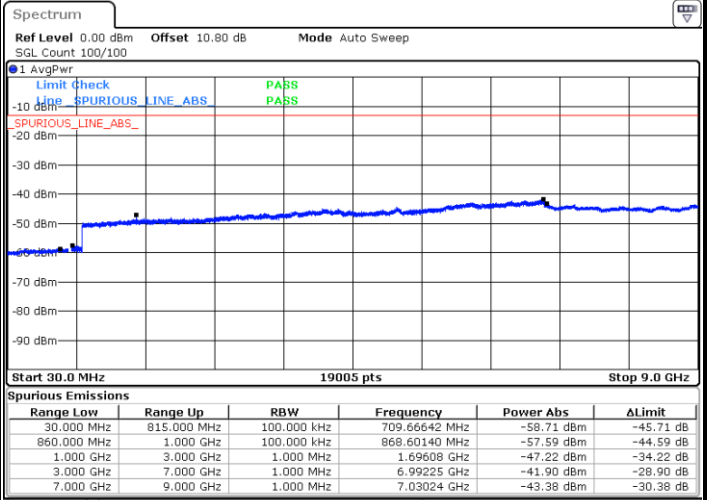
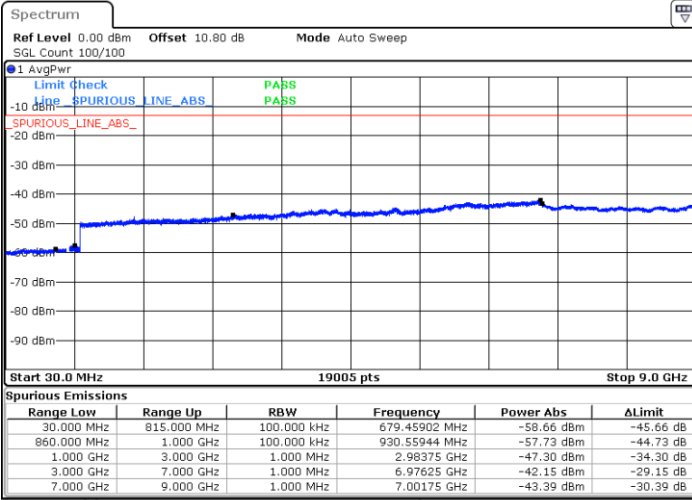




LTE Band 26 / 1.4MHz

Highest Channel / QPSK

Highest Channel / 16QAM



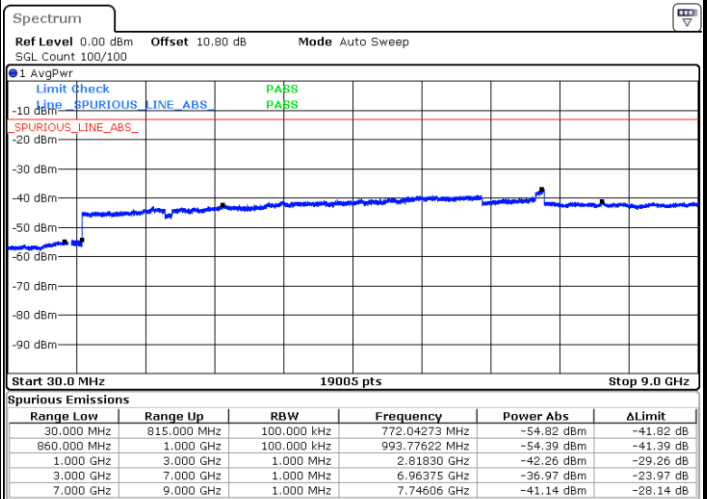
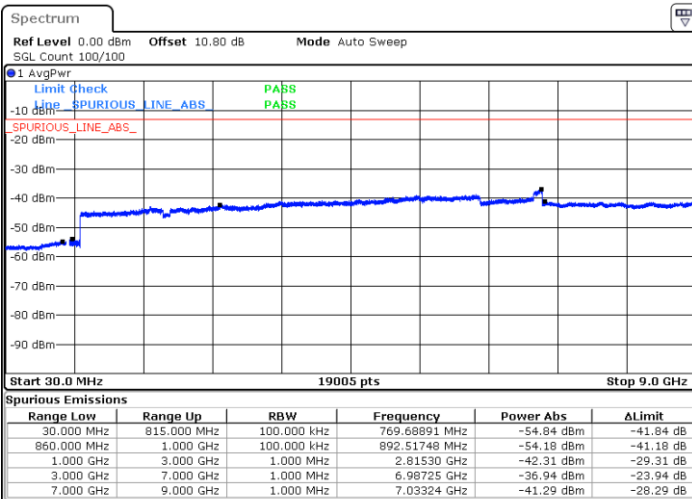
Date: 13.FEB.2020 09:40:20

Date: 13.FEB.2020 09:41:15

LTE Band 26 / 3MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 13.FEB.2020 08:56:43

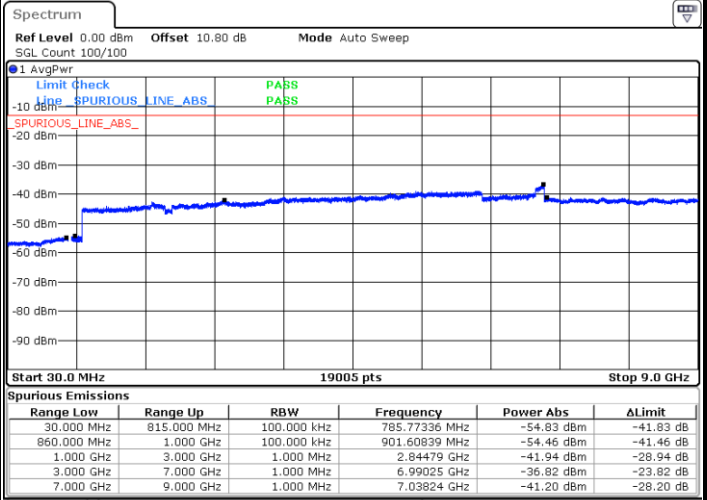
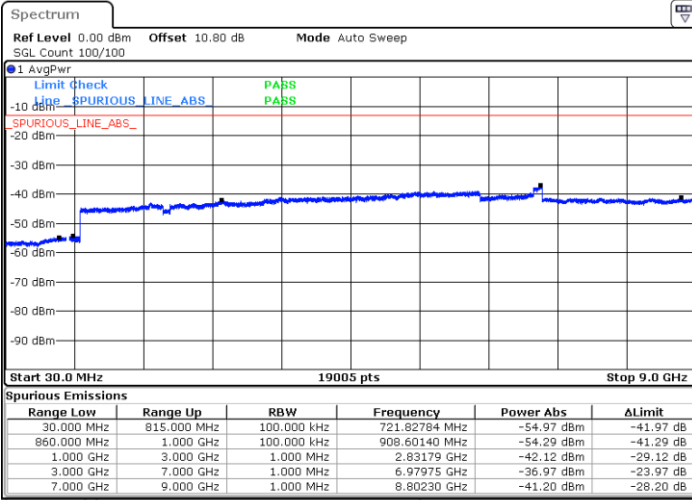
Date: 13.FEB.2020 08:57:43



LTE Band 26 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

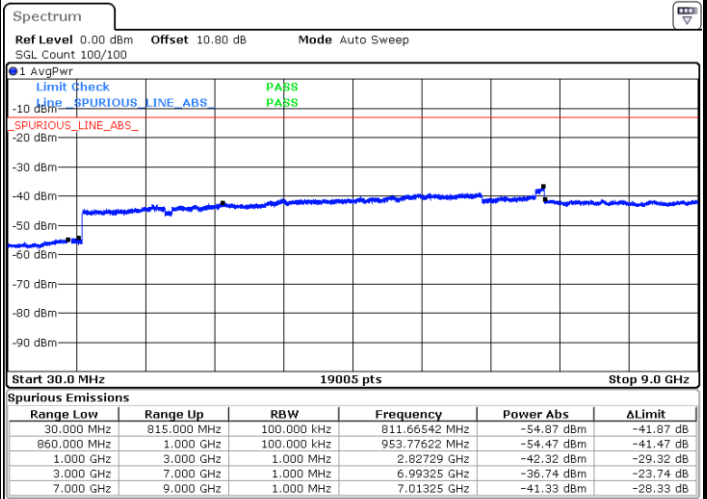
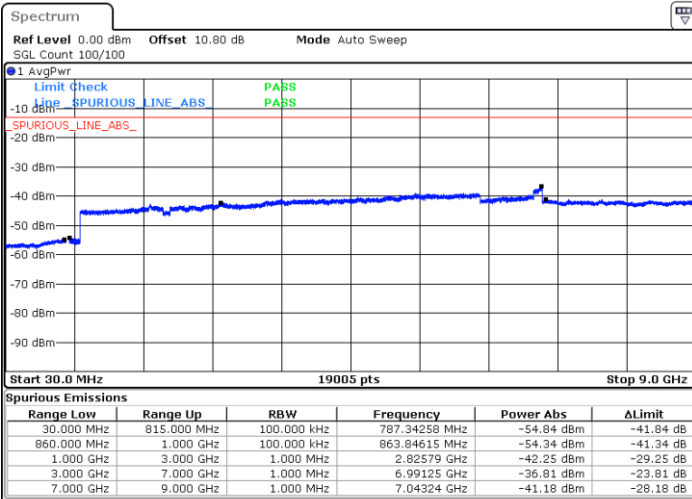


Date: 13.FEB.2020 08:59:38

Date: 13.FEB.2020 09:00:38

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 13.FEB.2020 09:06:21

Date: 13.FEB.2020 09:07:21

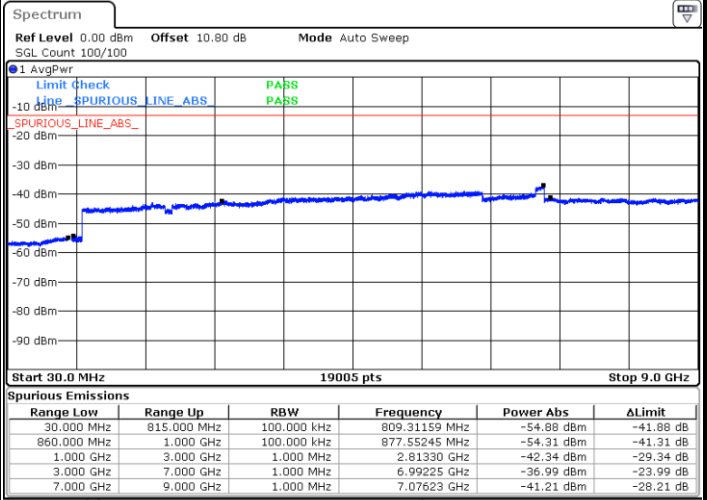
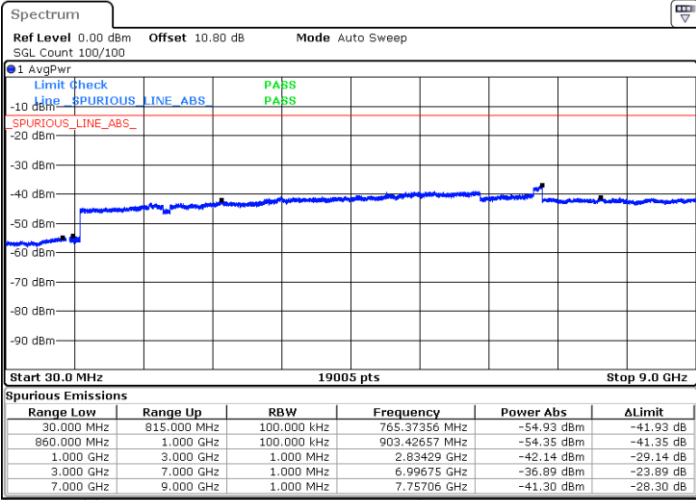




LTE Band 26 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

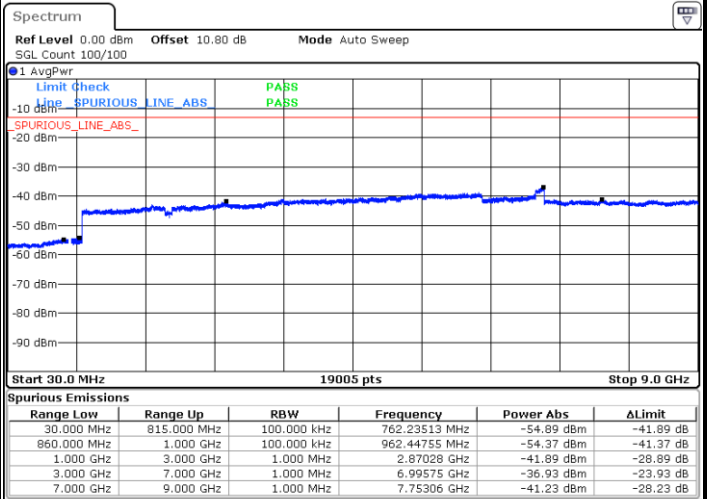
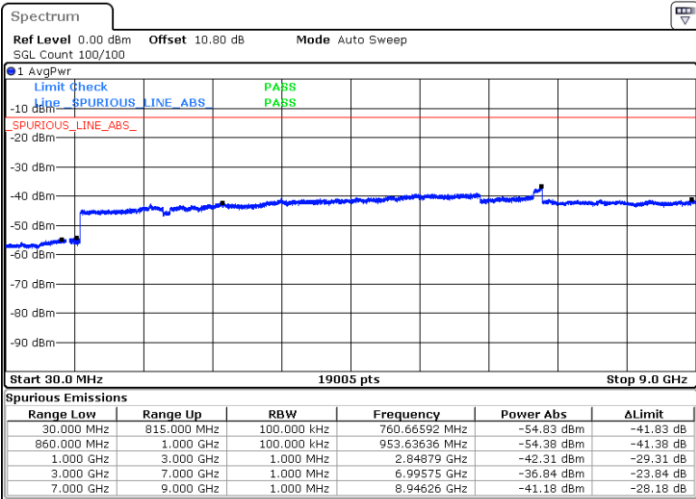


Date: 13.FEB.2020 09:13:00

Date: 13.FEB.2020 09:14:00

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 13.FEB.2020 09:15:55

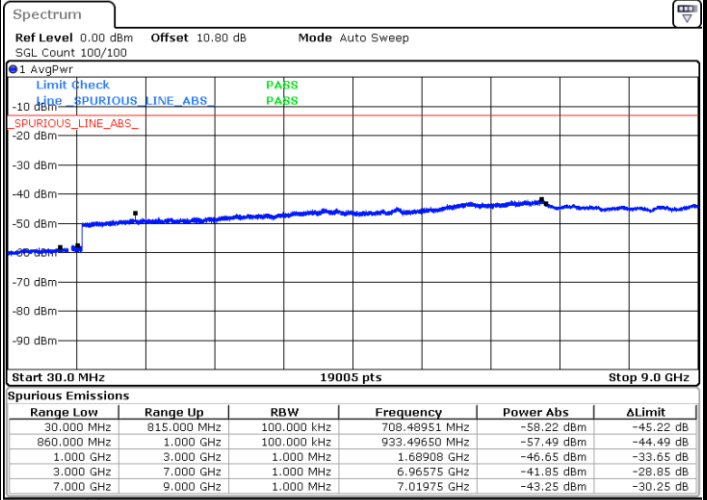
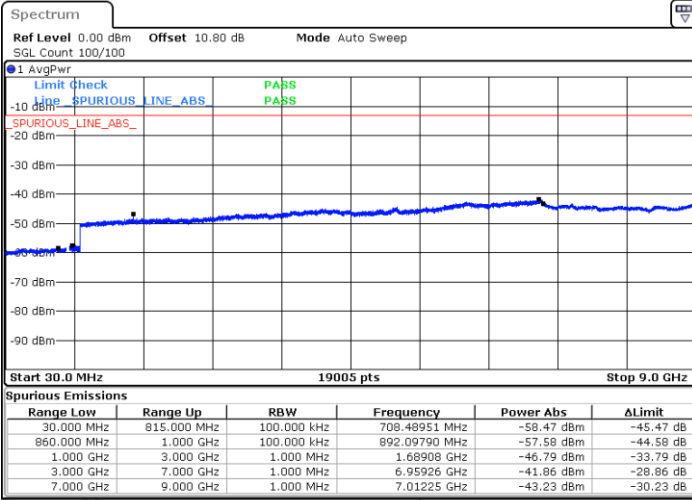
Date: 13.FEB.2020 09:16:55



LTE Band 26 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



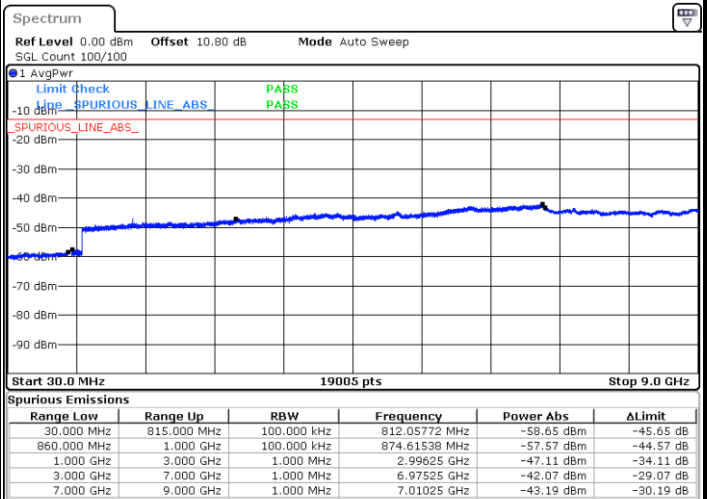
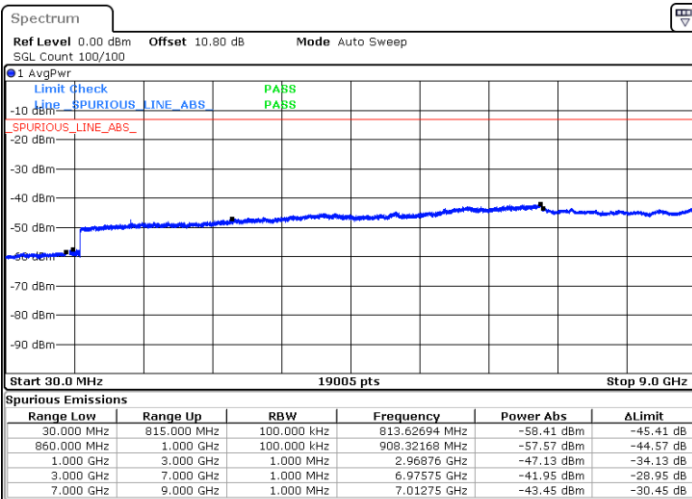
Date: 13.FEB.2020 08:41:47

Date: 13.FEB.2020 08:42:42

LTE Band 26 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 13.FEB.2020 08:48:04

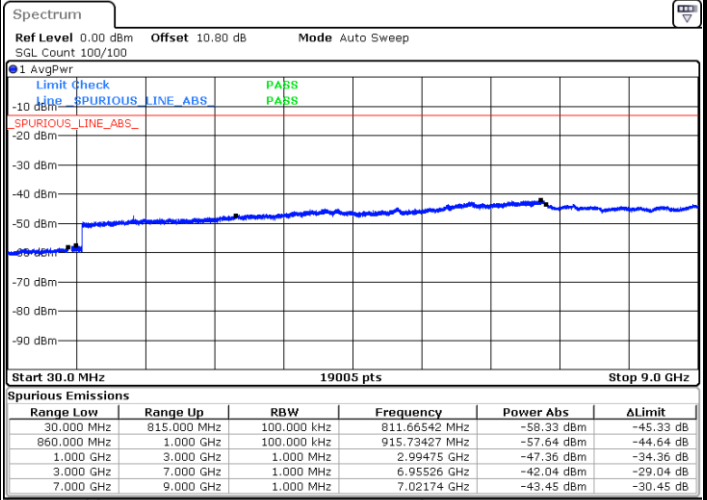
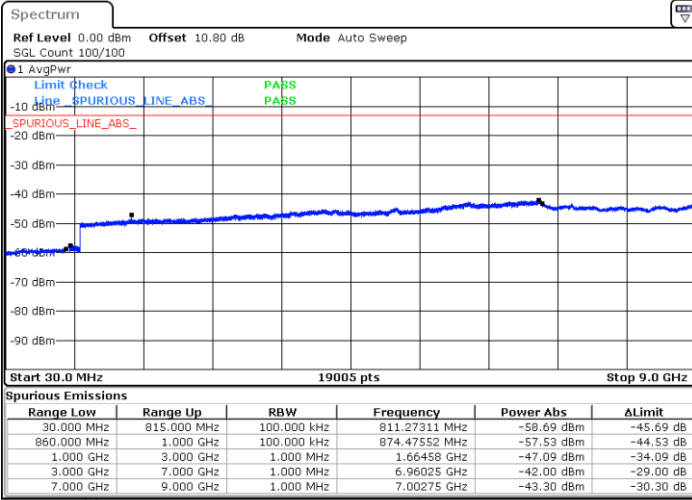
Date: 13.FEB.2020 08:48:59



LTE Band 26 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

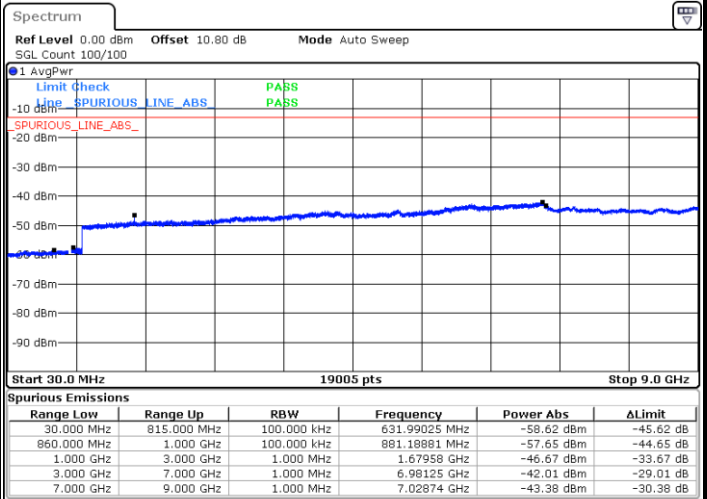
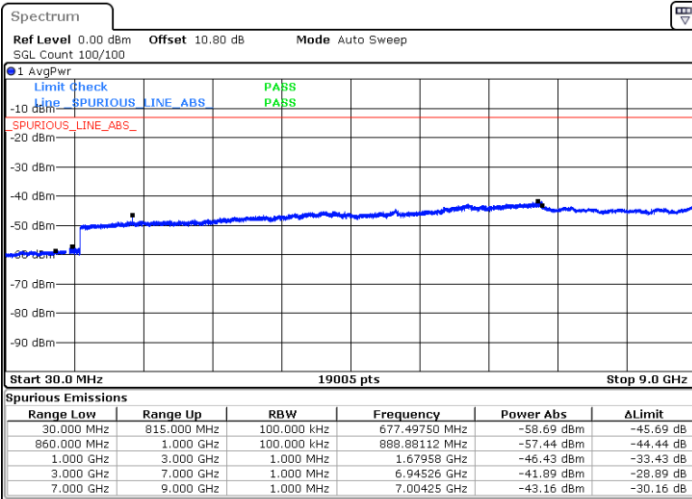


Date: 13.FEB.2020 08:50:42

Date: 13.FEB.2020 08:51:37

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 13.FEB.2020 08:56:58

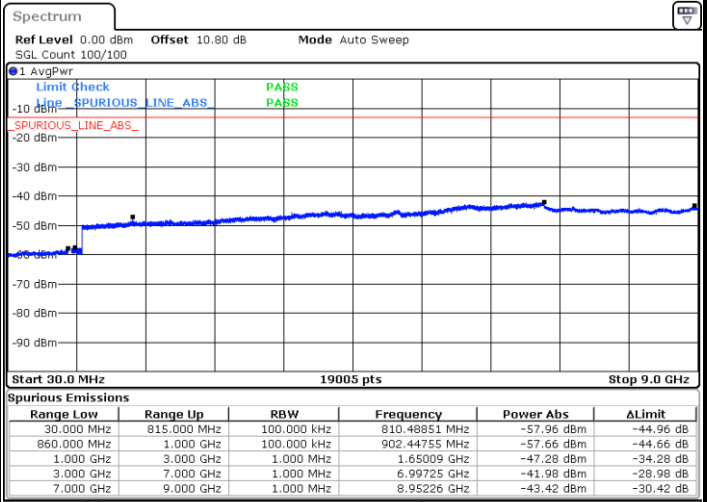
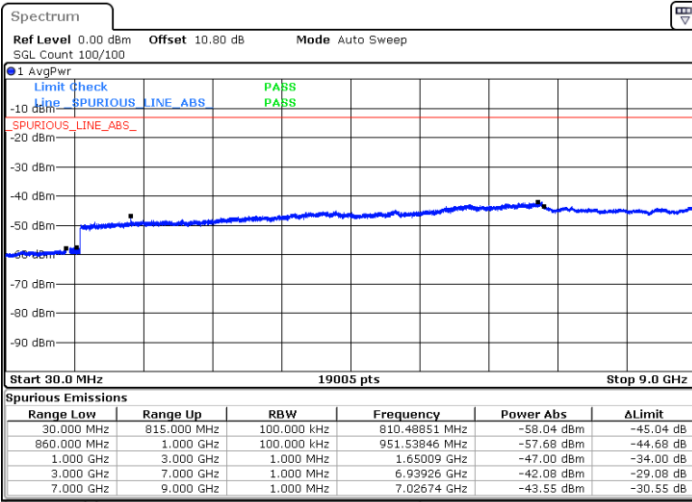
Date: 13.FEB.2020 08:57:53



LTE Band 26 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

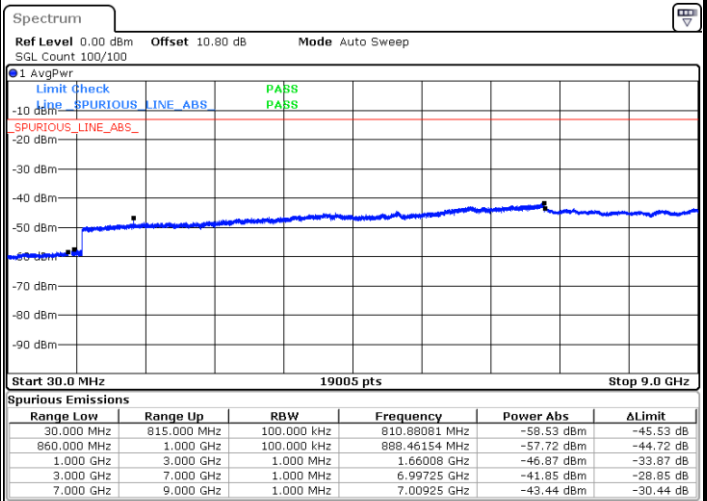
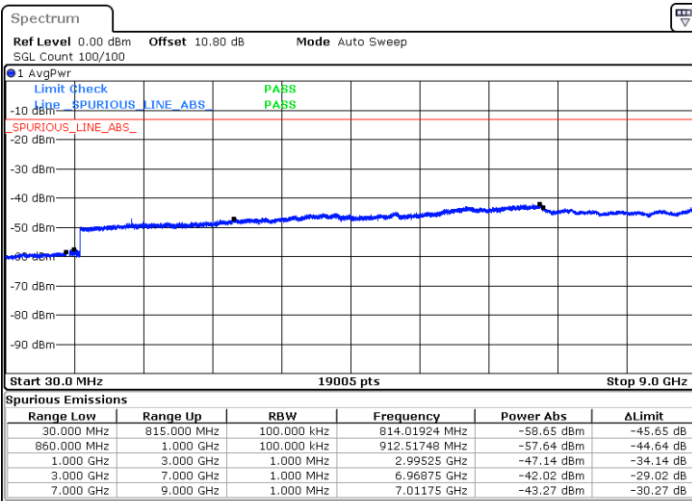


Date: 13.FEB.2020 09:03:10

Date: 13.FEB.2020 09:04:04

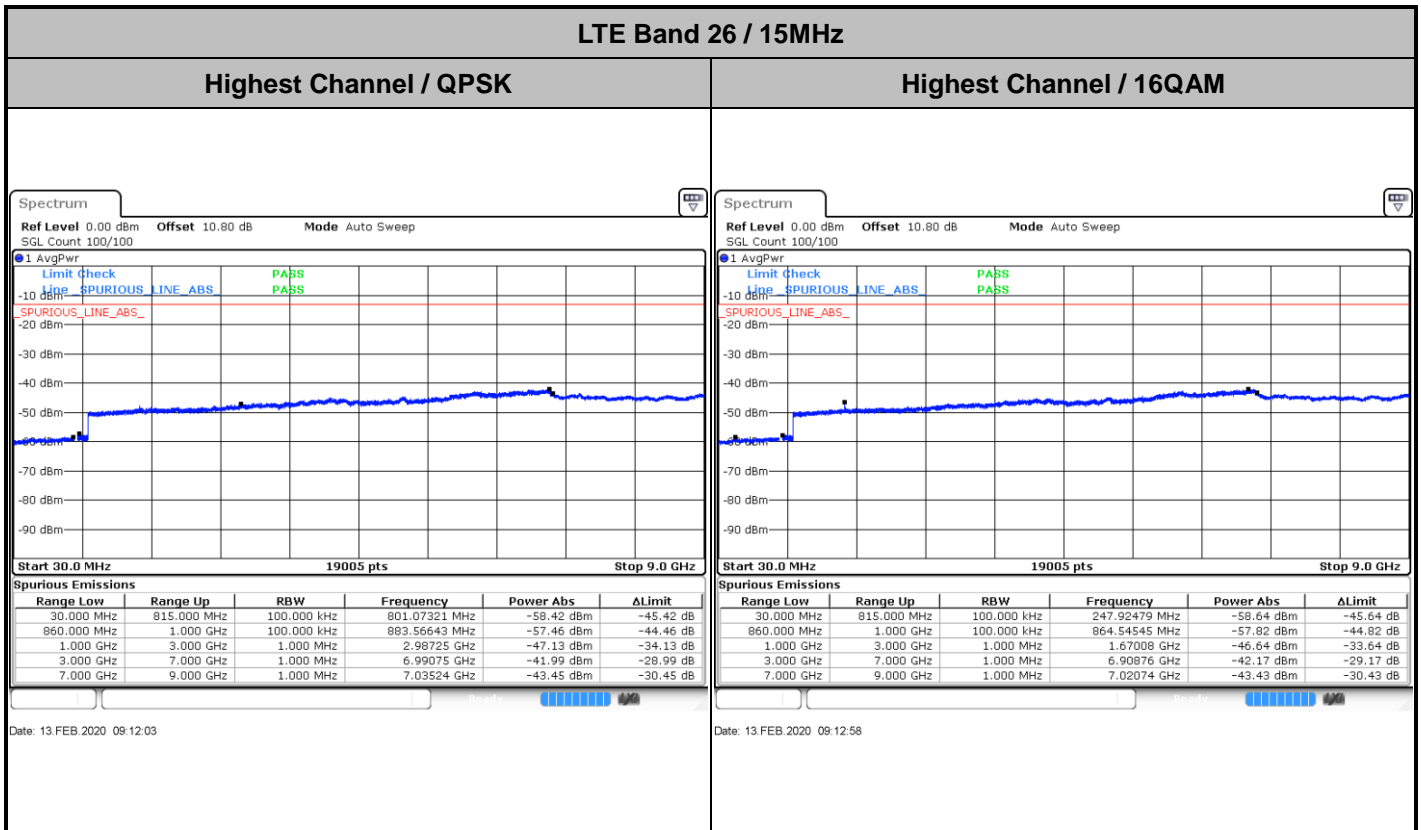
Middle Channel / QPSK

Middle Channel / 16QAM



Date: 13.FEB.2020 09:05:46

Date: 13.FEB.2020 09:06:42

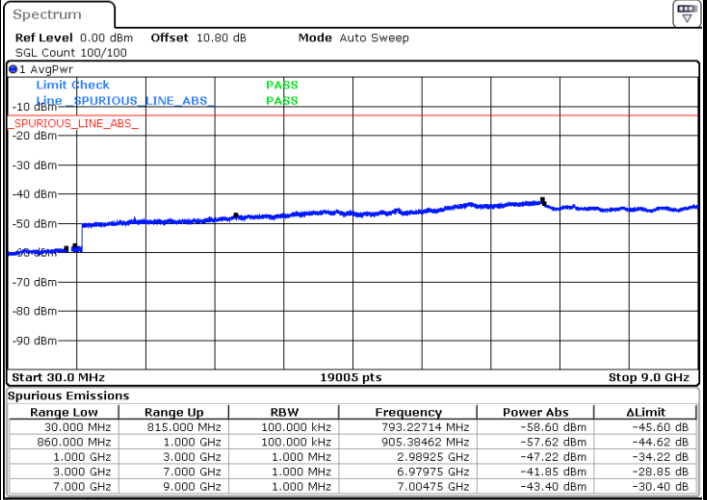
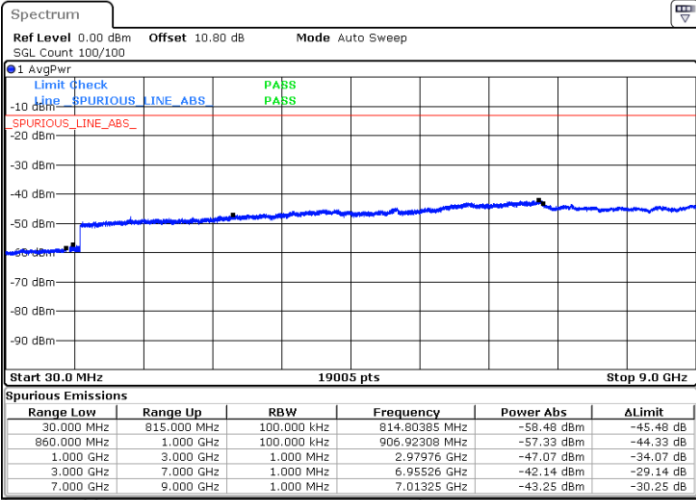




LTE Band 26 / 1.4MHz

Lowest Channel / 64QAM

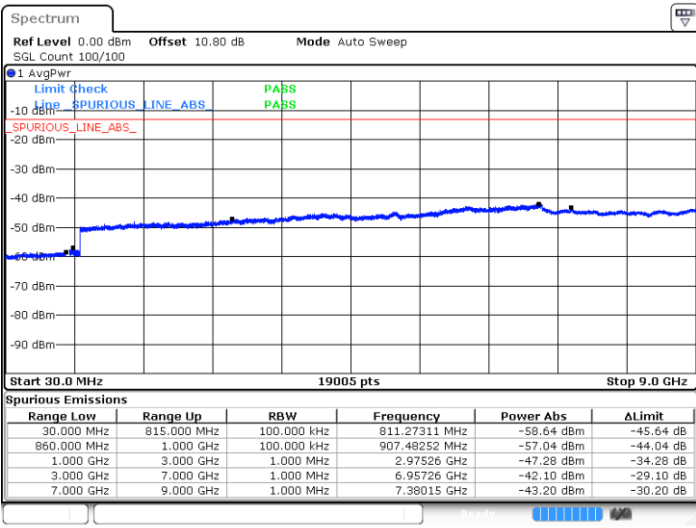
Middle Channel / 64QAM



Date: 13.FEB.2020 09:45:53

Date: 13.FEB.2020 09:47:11

Highest Channel / 64QAM



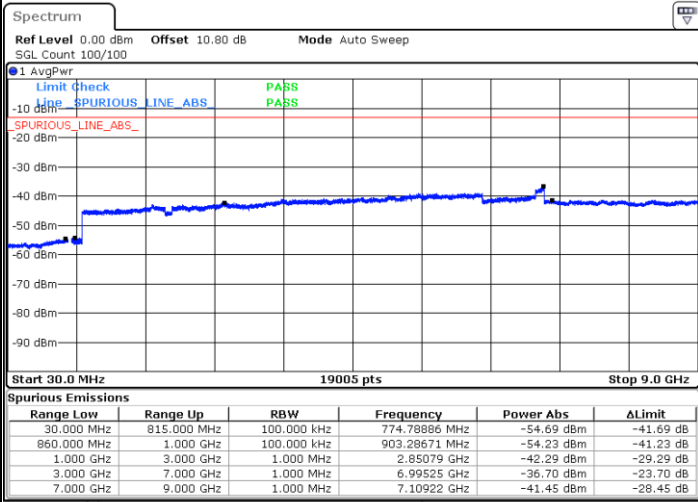
Date: 13.FEB.2020 09:51:49



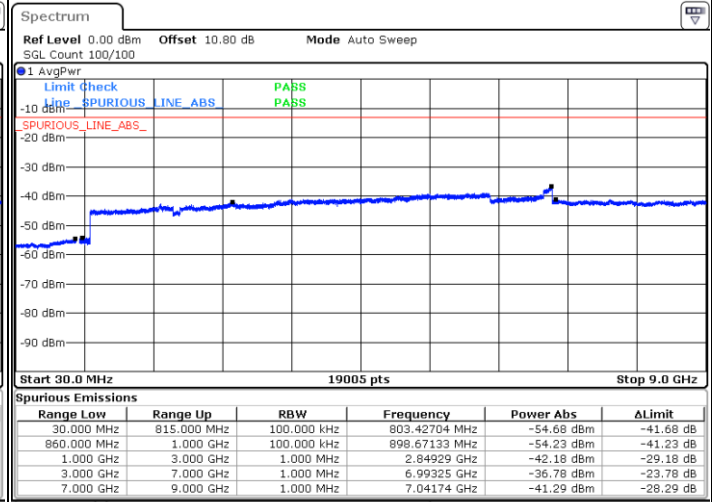
LTE Band 26 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

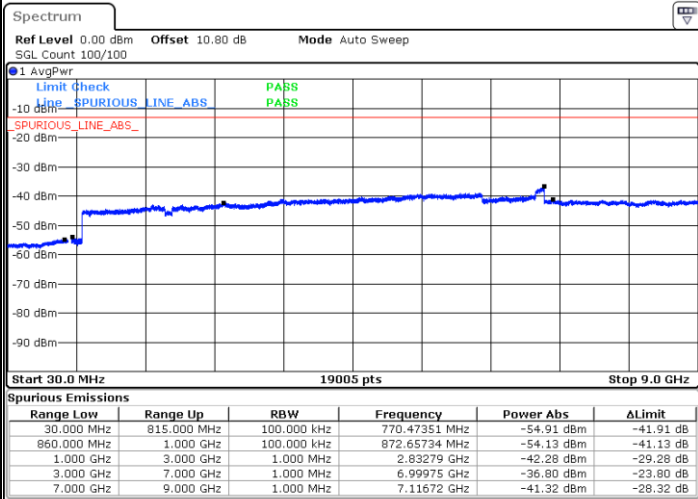


Date: 13.FEB.2020 08:21:44



Date: 13.FEB.2020 08:23:11

Highest Channel / 64QAM



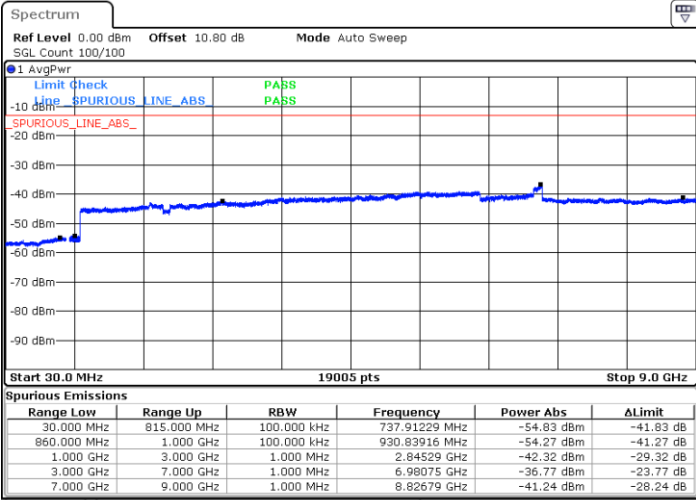
Date: 13.FEB.2020 08:26:32



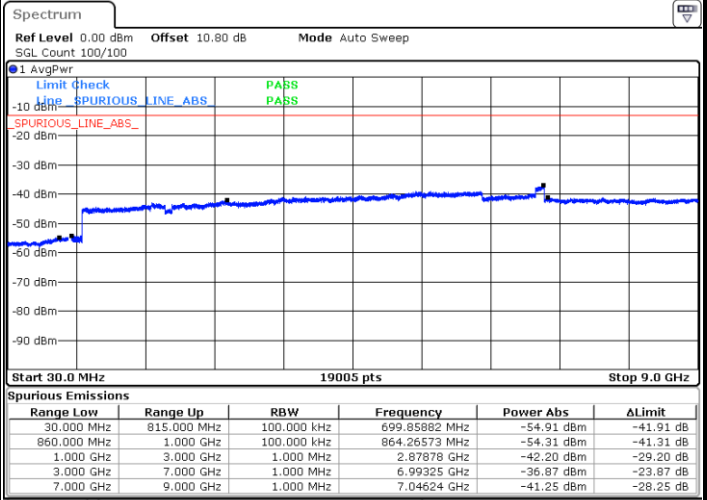
LTE Band 26 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

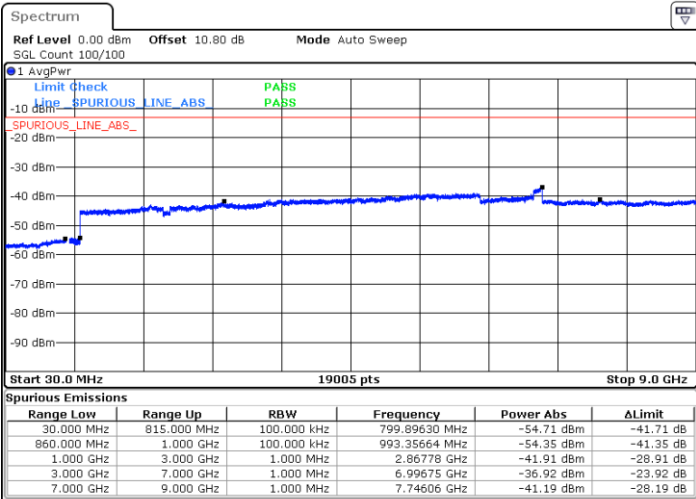


Date: 13.FEB.2020 08:29:53



Date: 13.FEB.2020 08:31:20

Highest Channel / 64QAM



Date: 13.FEB.2020 08:34:39

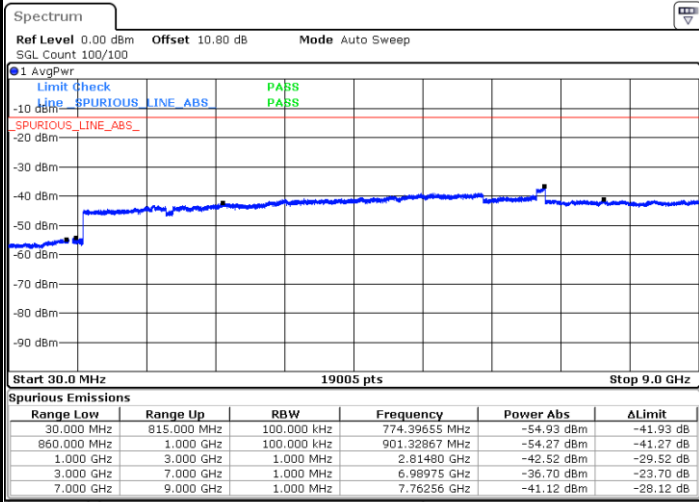




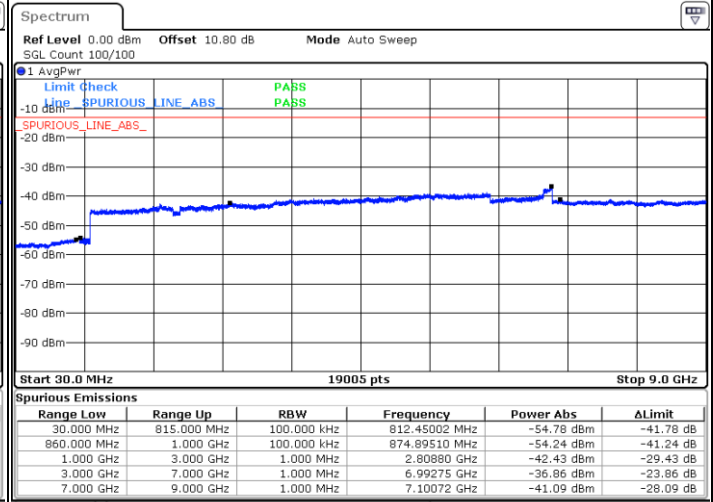
LTE Band 26 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

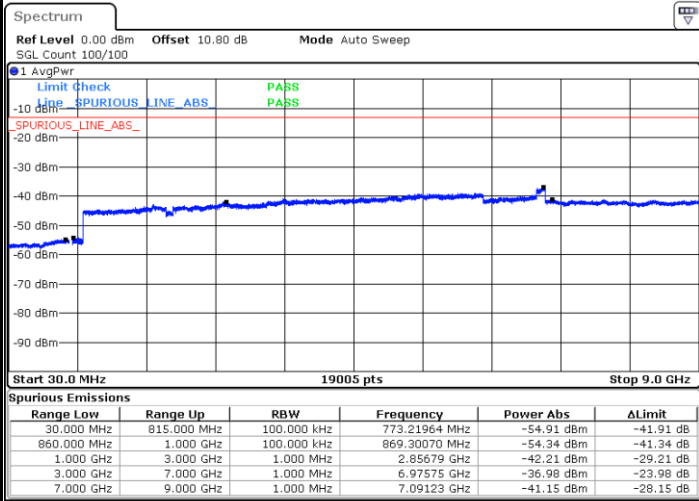


Date: 13.FEB.2020 08:37:59



Date: 13.FEB.2020 08:39:27

Highest Channel / 64QAM



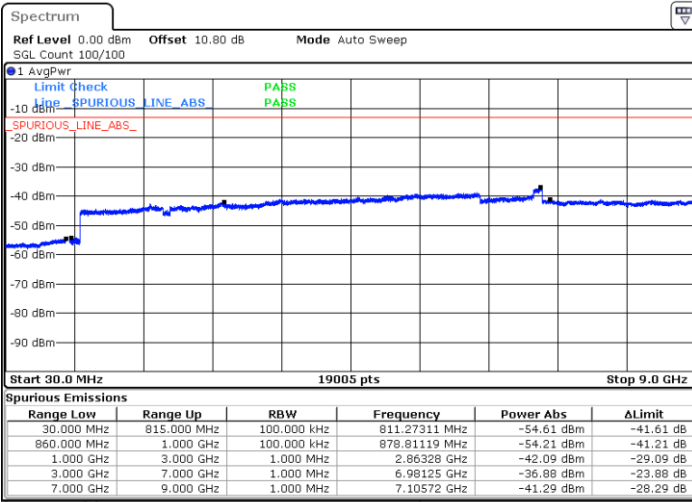
Date: 13.FEB.2020 08:42:46



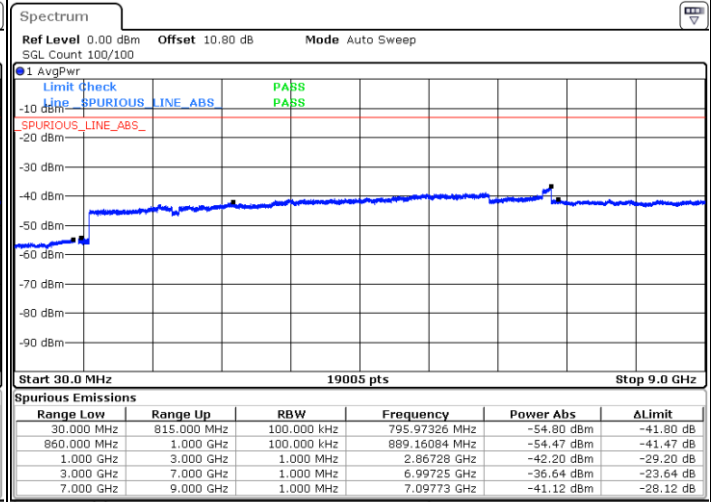
LTE Band 26 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

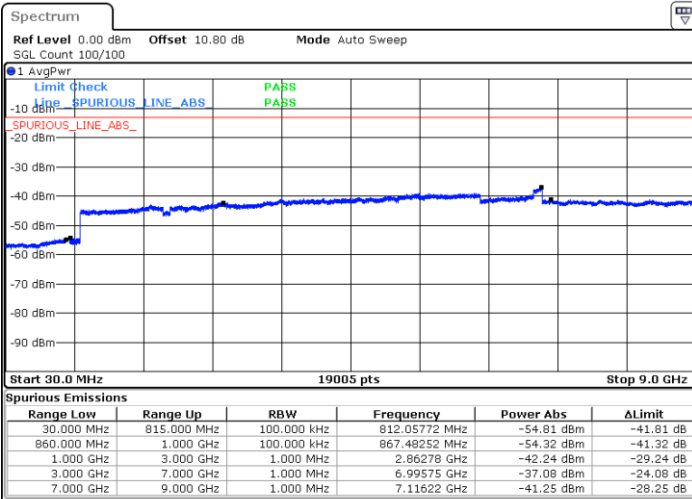


Date: 13.FEB.2020 08:46:10



Date: 13.FEB.2020 08:47:37

Highest Channel / 64QAM



Date: 13.FEB.2020 08:51:04



**Frequency Stability**

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0140	
30	Normal Voltage	0.0111	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0118	

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 38

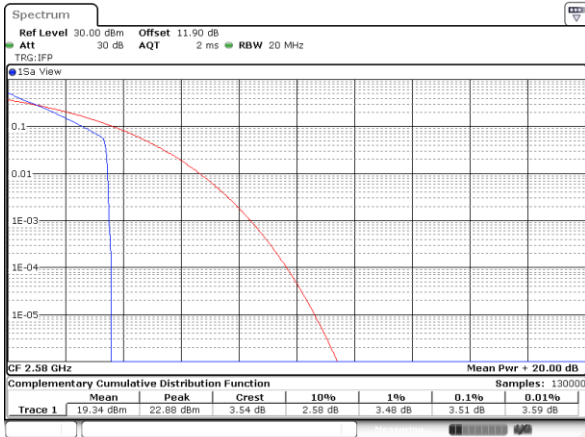
## Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.51	4.72	5.48	5.83	<b>PASS</b>
Middle CH	3.54	4.75	5.22	5.86	
Highest CH	3.71	4.72	5.13	5.83	
Mode	LTE Band 38 / 20MHz				
Mod.	64QAM				Limit: 13dB
RB Size	1RB	Full RB			Result
Lowest CH	6.35	6.38	-	-	<b>PASS</b>
Middle CH	6.20	6.43	-	-	
Highest CH	6.14	6.49	-	-	



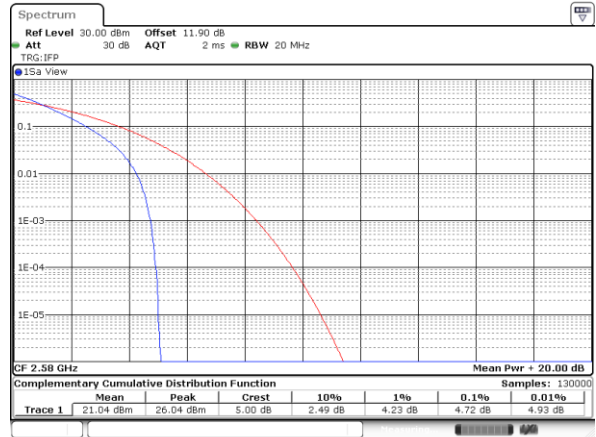
LTE Band 38 / 20MHz / QPSK

Lowest Channel / 1RB



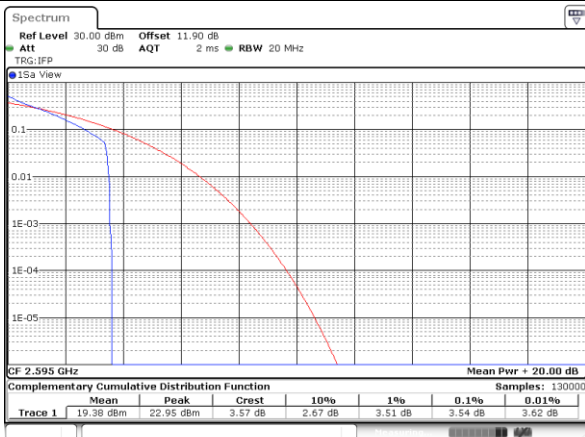
Date: 13.FEB.2020 02:14:29

Lowest Channel / Full RB



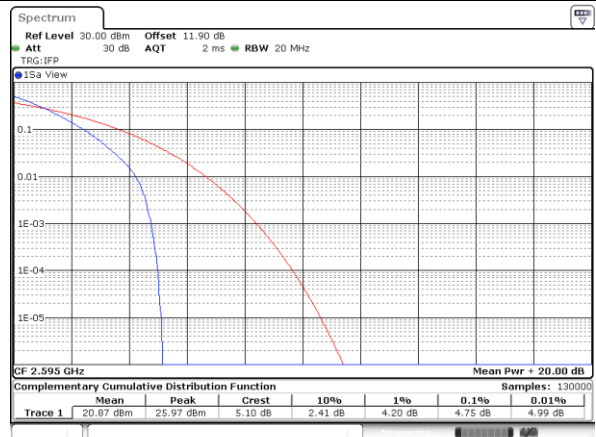
Date: 13.FEB.2020 02:14:48

Middle Channel / 1RB



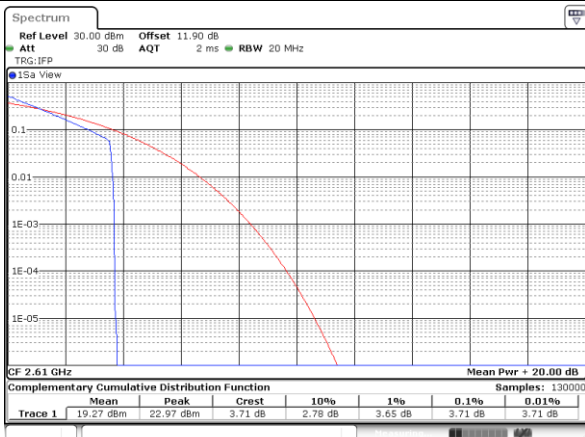
Date: 13.FEB.2020 02:15:10

Middle Channel / Full RB



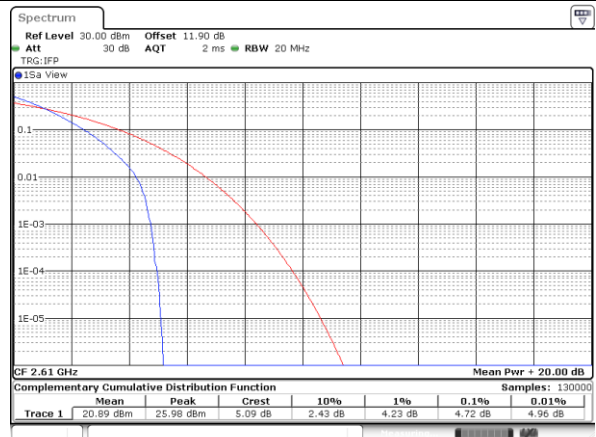
Date: 13.FEB.2020 02:15:27

Highest Channel / 1RB



Date: 13.FEB.2020 02:15:43

Highest Channel / Full RB

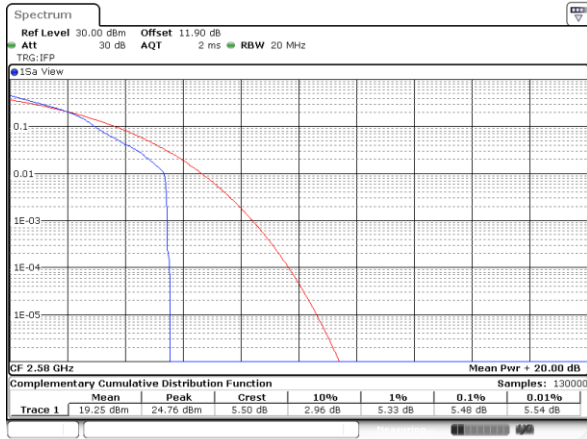


Date: 13.FEB.2020 02:16:02



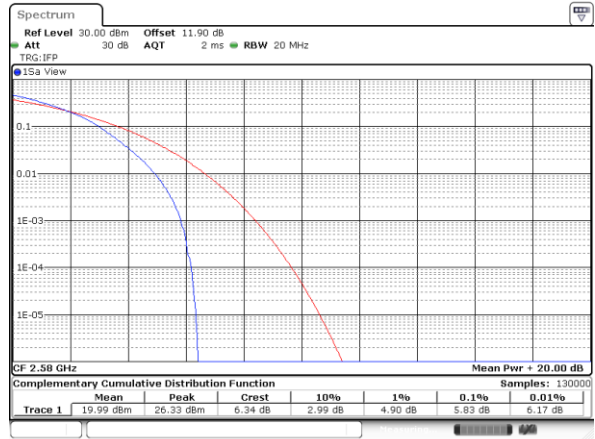
LTE Band 38 / 20MHz / 16QAM

Lowest Channel / 1RB



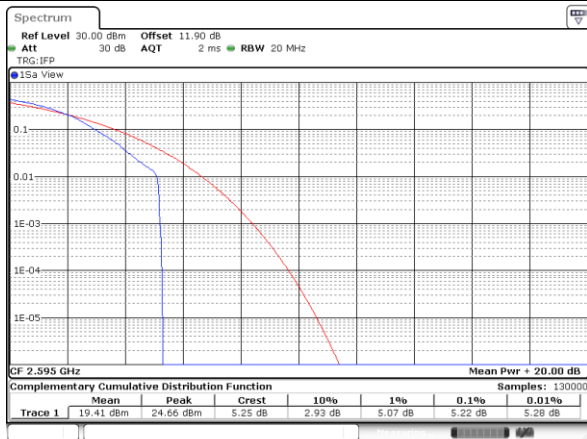
Date: 13.FEB.2020 02:12:45

Lowest Channel / Full RB



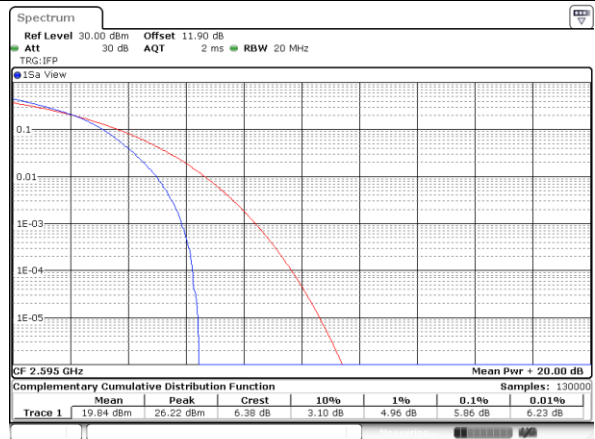
Date: 13.FEB.2020 02:13:02

Middle Channel / 1RB



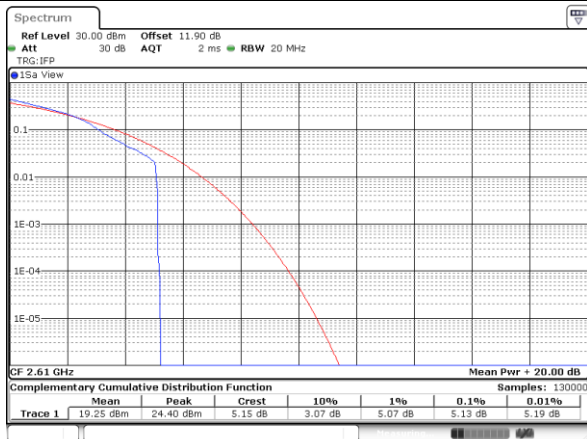
Date: 13.FEB.2020 02:13:18

Middle Channel / Full RB



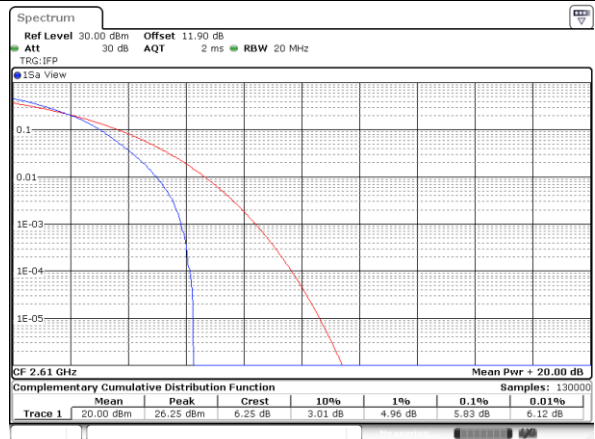
Date: 13.FEB.2020 02:13:35

Highest Channel / 1RB



Date: 13.FEB.2020 02:13:53

Highest Channel / Full RB

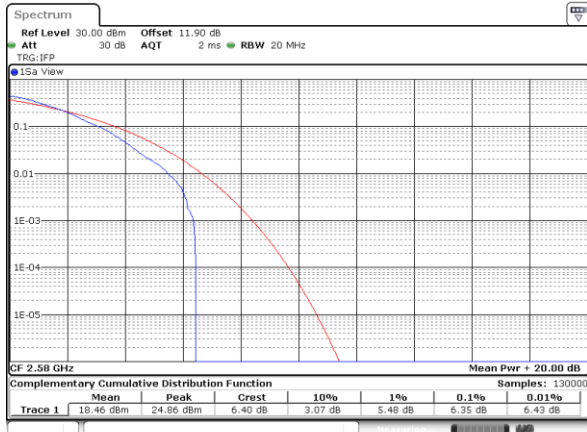


Date: 13.FEB.2020 02:14:12



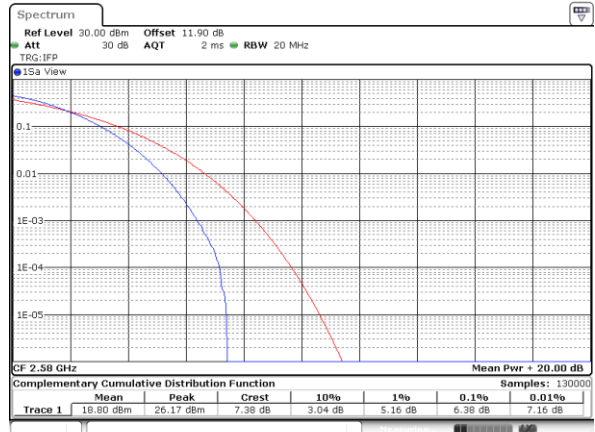
LTE Band 38 / 20MHz / 64QAM

Lowest Channel / 1RB



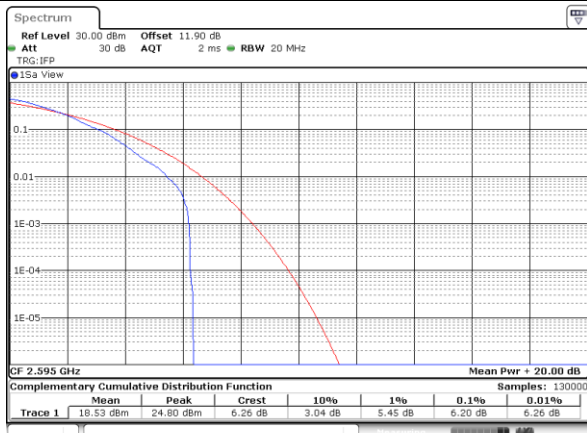
Date: 13.FEB.2020 02:09:42

Lowest Channel / Full RB



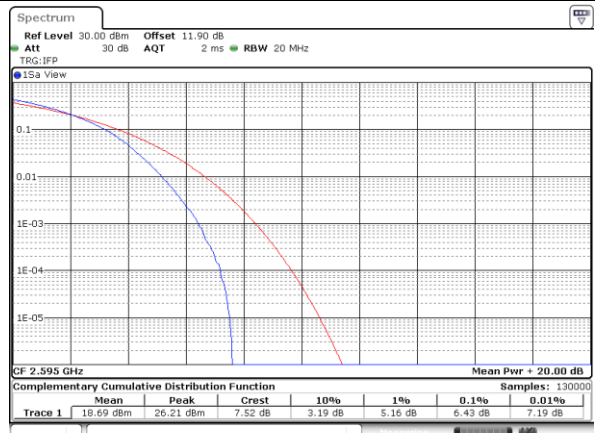
Date: 13.FEB.2020 02:10:59

Middle Channel / 1RB



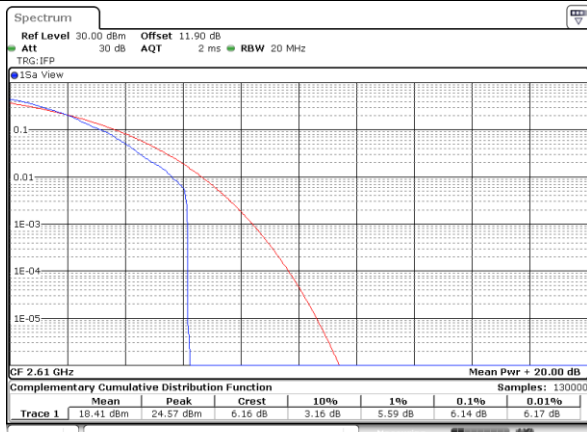
Date: 13.FEB.2020 02:10:28

Middle Channel / Full RB



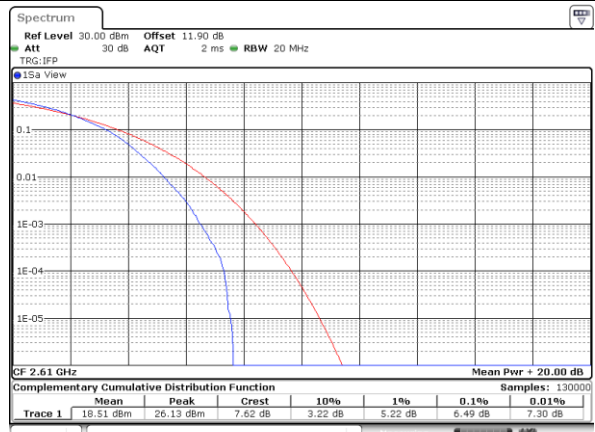
Date: 13.FEB.2020 02:11:52

Highest Channel / 1RB



Date: 13.FEB.2020 02:12:09

Highest Channel / Full RB



Date: 13.FEB.2020 02:12:27



**26dB Bandwidth**

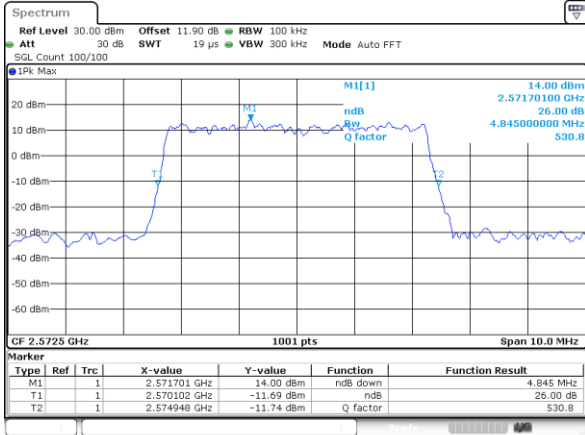
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.85	4.91	9.63	9.77	14.15	14.21	18.70	18.90
Middle CH	-	-	-	-	4.94	4.84	9.83	9.75	14.30	14.30	19.02	19.02
Highest CH	-	-	-	-	4.88	4.92	9.65	9.75	14.18	14.18	18.94	18.98
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	-	-	-	-	4.88	-	9.83	-	14.36	-	18.82	-
Middle CH	-	-	-	-	4.87	-	9.75	-	14.12	-	18.62	-
Highest CH	-	-	-	-	4.91	-	9.73	-	14.09	-	18.94	-





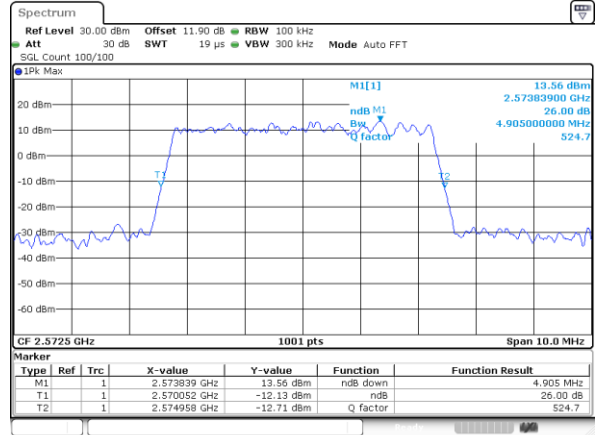
LTE Band 38

Lowest Channel / 5MHz / QPSK



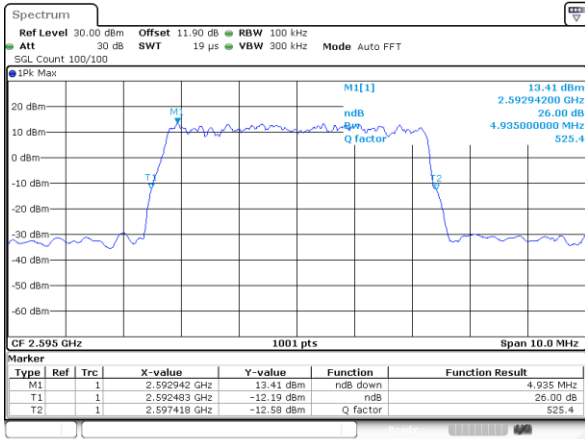
Date: 13.FEB.2020 01:52:04

Lowest Channel / 5MHz / 16QAM



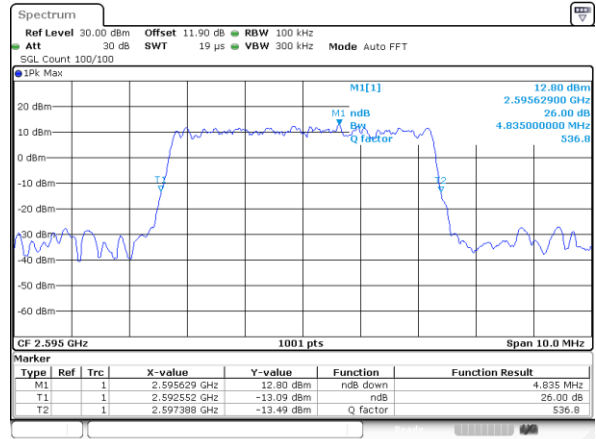
Date: 13.FEB.2020 01:52:17

Middle Channel / 5MHz / QPSK



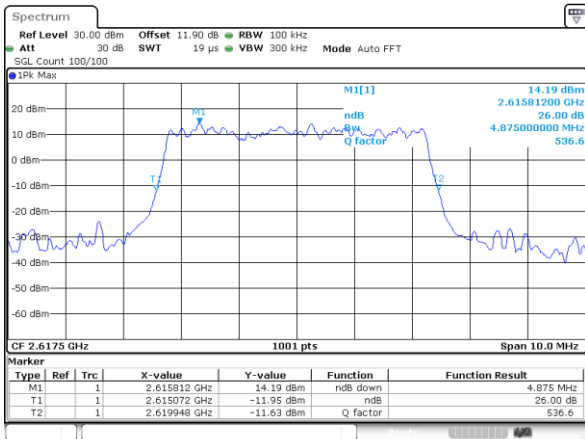
Date: 13.FEB.2020 01:52:57

Middle Channel / 5MHz / 16QAM



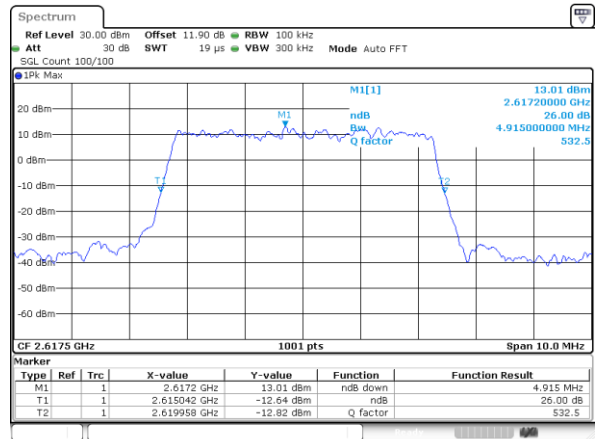
Date: 13.FEB.2020 01:53:10

Highest Channel / 5MHz / QPSK



Date: 13.FEB.2020 01:53:52

Highest Channel / 5MHz / 16QAM

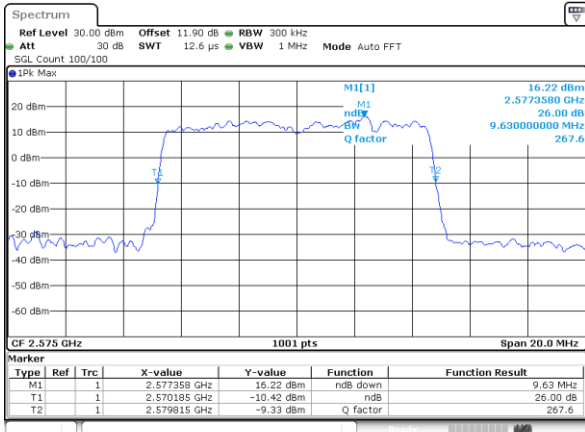


Date: 13.FEB.2020 01:54:05



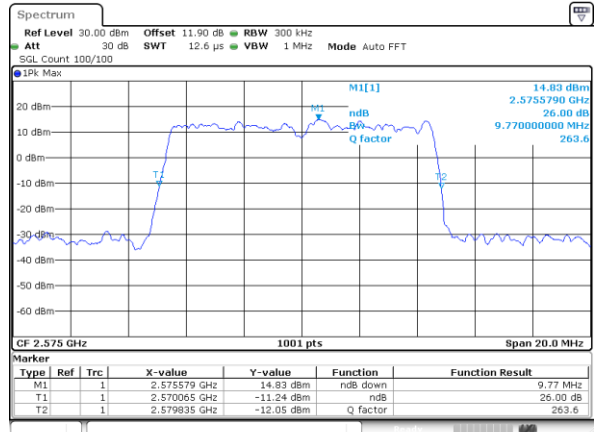
LTE Band 38

Lowest Channel / 10MHz / QPSK



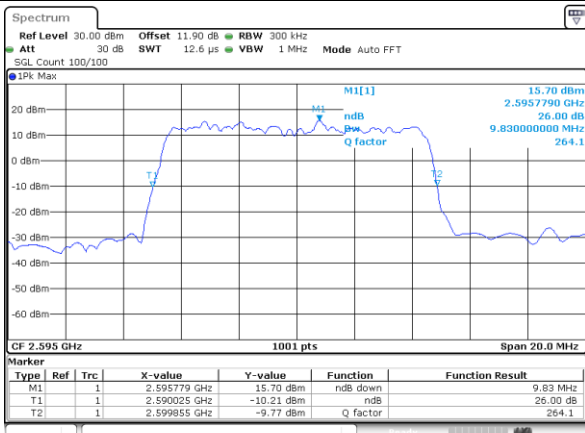
Date: 13.FEB.2020 01:54:48

Lowest Channel / 10MHz / 16QAM



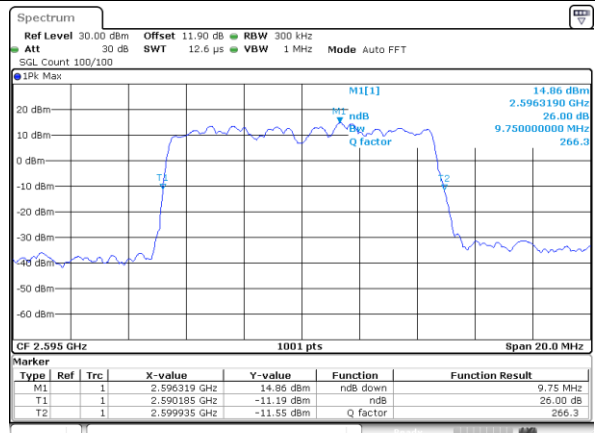
Date: 13.FEB.2020 01:55:01

Middle Channel / 10MHz / QPSK



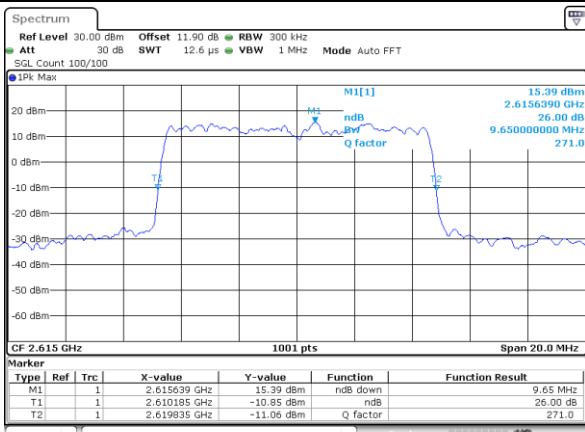
Date: 13.FEB.2020 01:55:41

Middle Channel / 10MHz / 16QAM



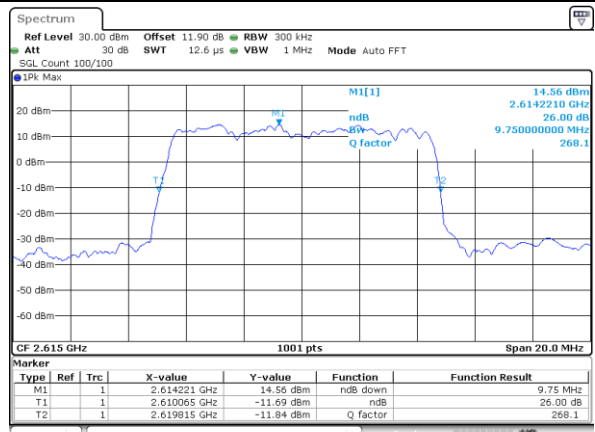
Date: 13.FEB.2020 01:55:55

Highest Channel / 10MHz / QPSK



Date: 13.FEB.2020 01:56:36

Highest Channel / 10MHz / 16QAM

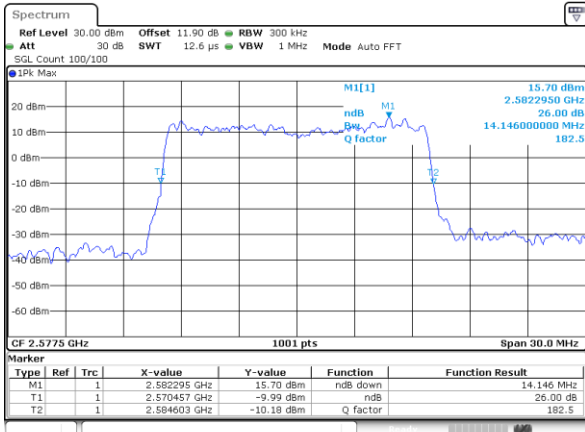


Date: 13.FEB.2020 01:56:50



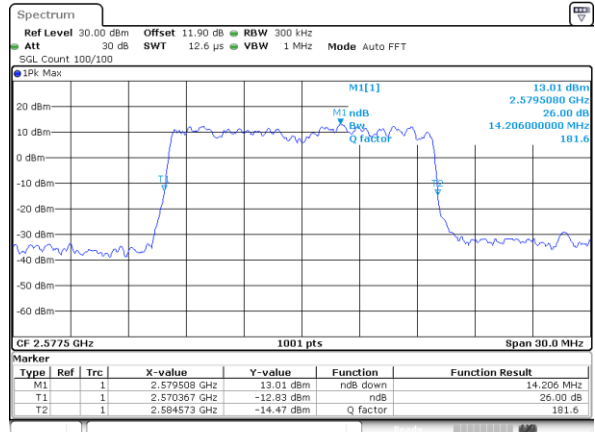
LTE Band 38

Lowest Channel / 15MHz / QPSK



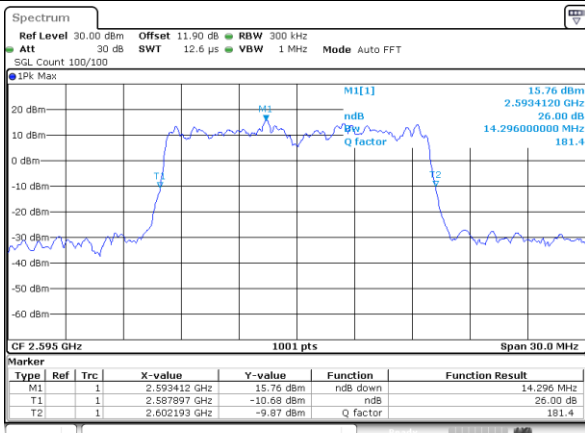
Date: 13.FEB.2020 01:57:32

Lowest Channel / 15MHz / 16QAM



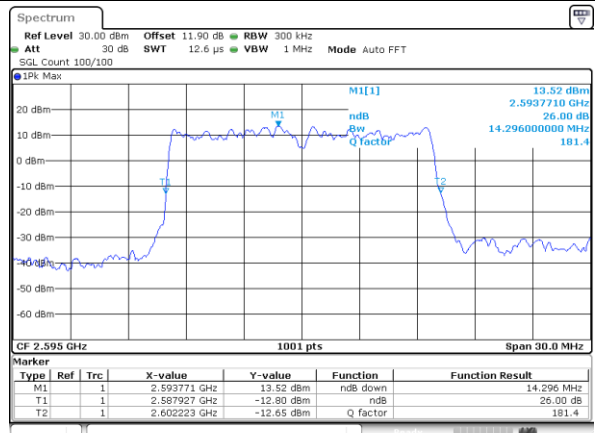
Date: 13.FEB.2020 01:57:45

Middle Channel / 15MHz / QPSK



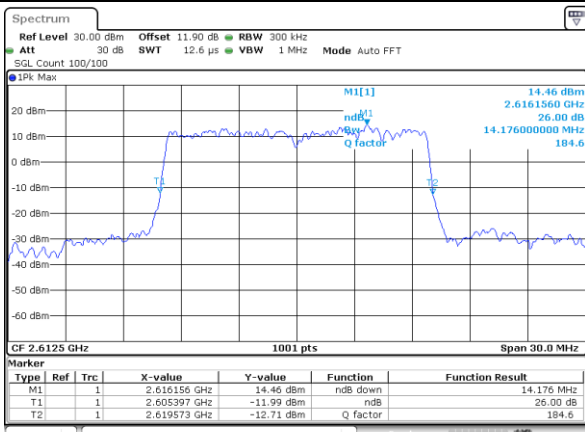
Date: 13.FEB.2020 01:58:25

Middle Channel / 15MHz / 16QAM



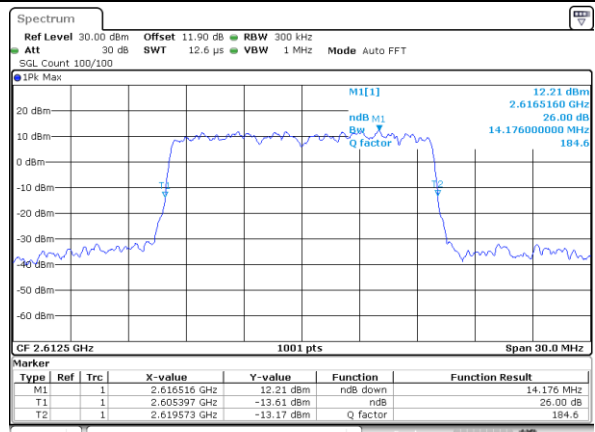
Date: 13.FEB.2020 01:58:38

Highest Channel / 15MHz / QPSK



Date: 13.FEB.2020 01:59:20

Highest Channel / 15MHz / 16QAM

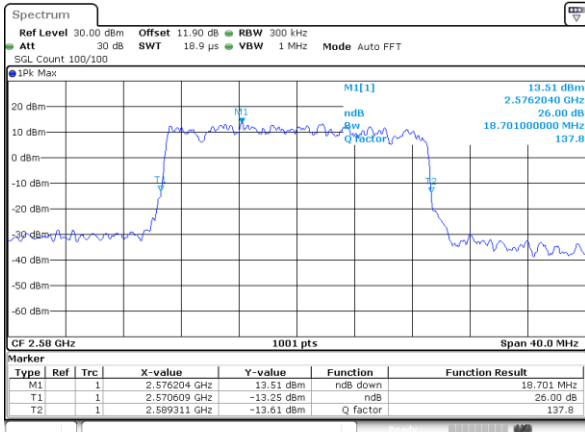


Date: 13.FEB.2020 01:59:34



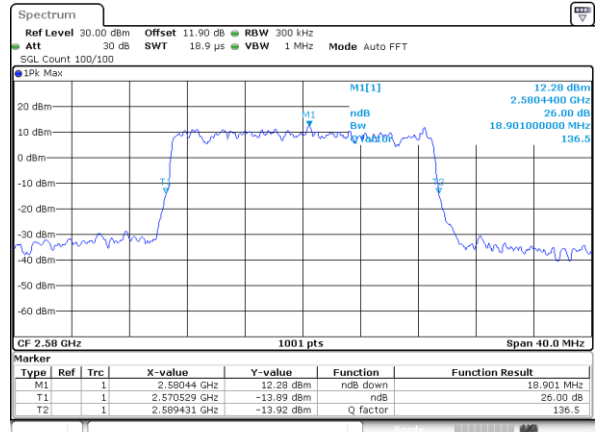
LTE Band 38

Lowest Channel / 20MHz / QPSK



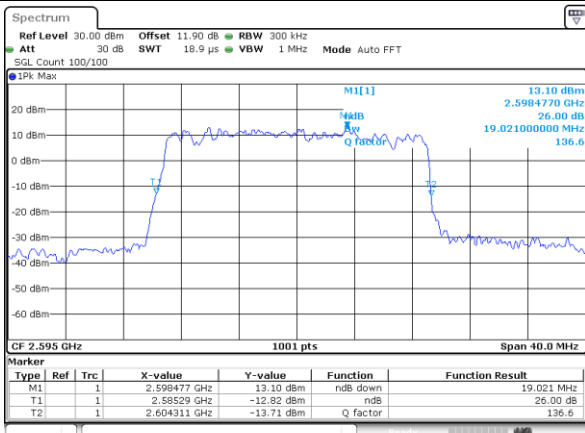
Date: 13.FEB.2020 02:00:15

Lowest Channel / 20MHz / 16QAM



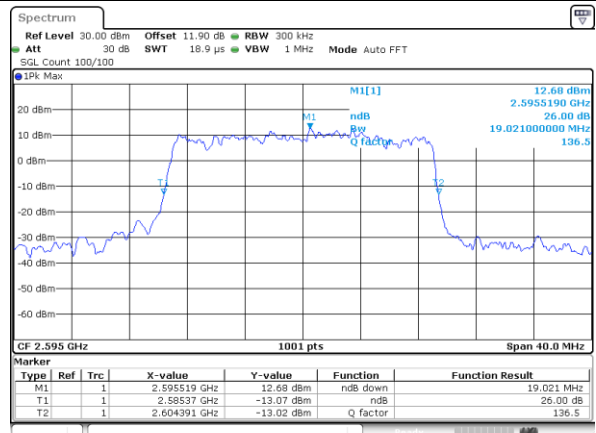
Date: 13.FEB.2020 02:00:29

Middle Channel / 20MHz / QPSK



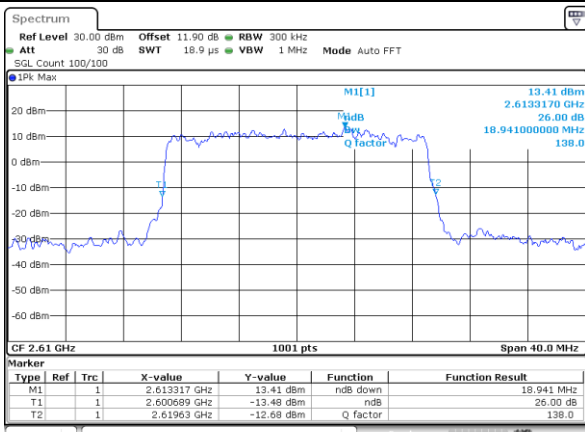
Date: 13.FEB.2020 02:01:09

Middle Channel / 20MHz / 16QAM



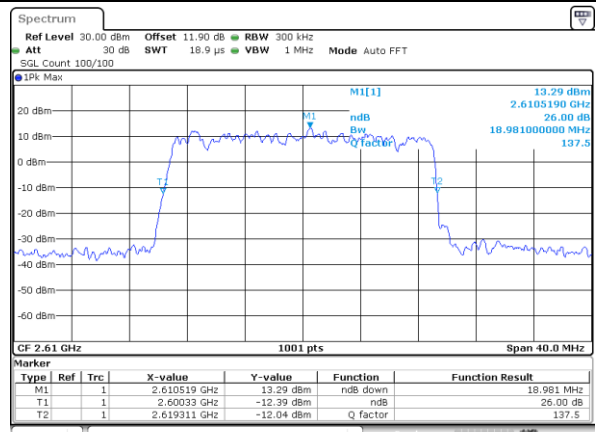
Date: 13.FEB.2020 02:01:22

Highest Channel / 20MHz / QPSK



Date: 13.FEB.2020 02:02:04

Highest Channel / 20MHz / 16QAM



Date: 13.FEB.2020 02:02:17