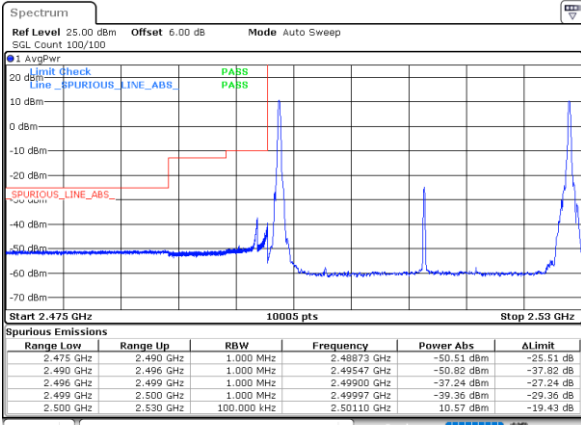




LTE Band 7 / 10MHz+20MHz

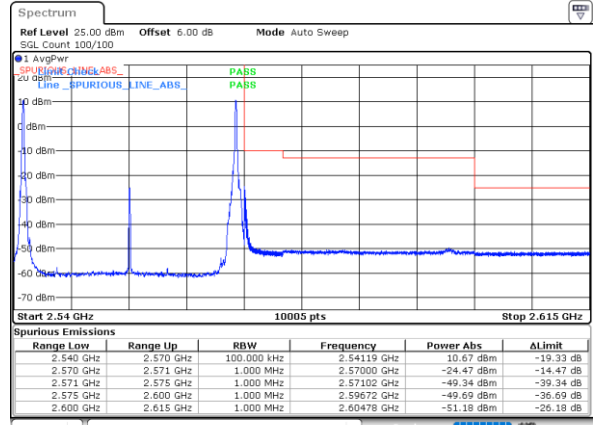
256QAM

Lowest Band Edge / 1RB0 and 1RB9



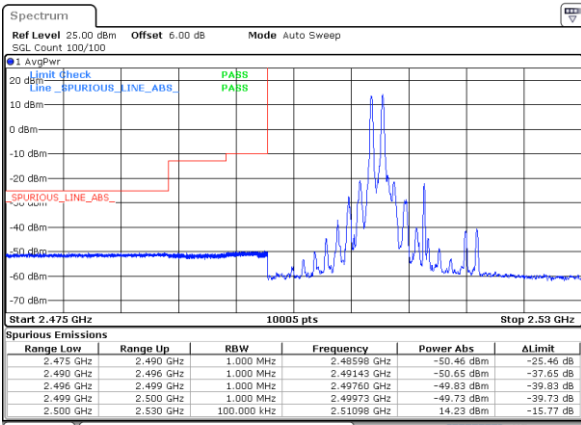
Date: 28.NOV.2022 23:41:10

Highest Band Edge / 1RB0 and 1RB9



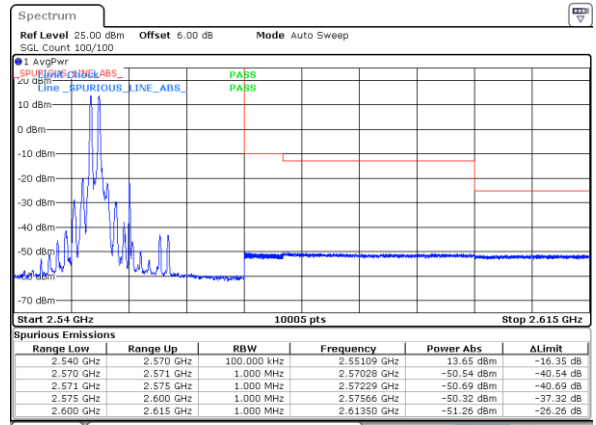
Date: 28.NOV.2022 23:59:58

Lowest Band Edge / 1RB49 and 1RB0



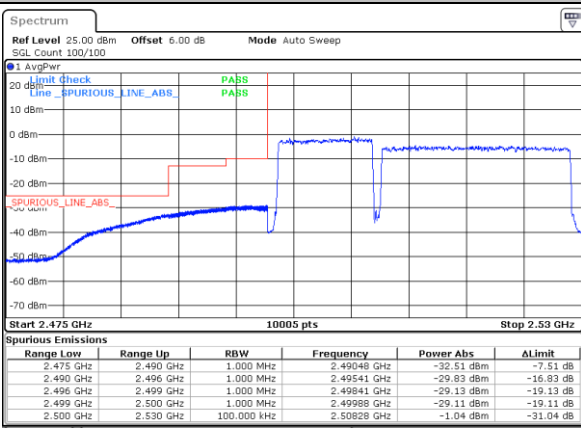
Date: 28.NOV.2022 23:46:24

Highest Band Edge / 1RB49 and 1RB0



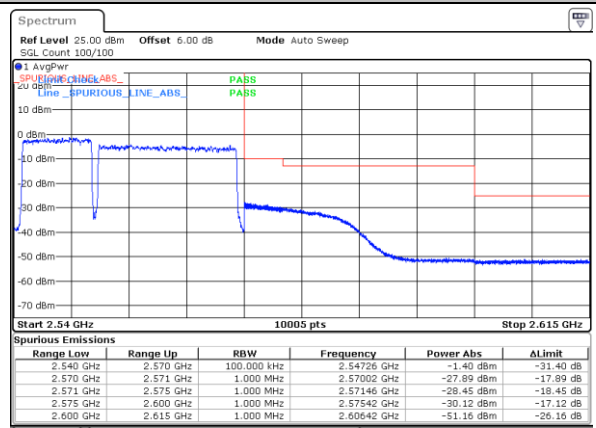
Date: 28.NOV.2022 00:05:11

Lowest Band Edge / Full RB



Date: 28.NOV.2022 23:51:37

Highest Band Edge / Full RB



Date: 29.NOV.2022 00:10:23

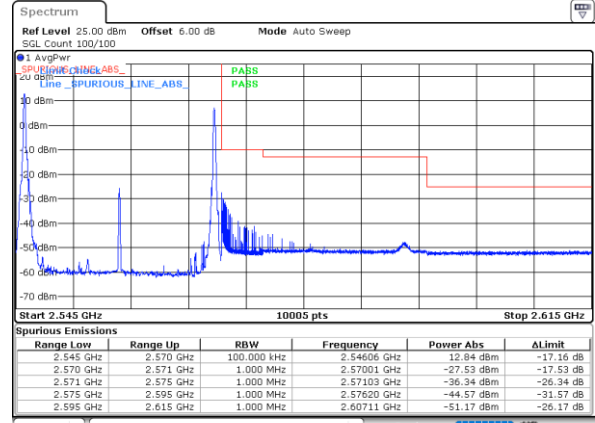
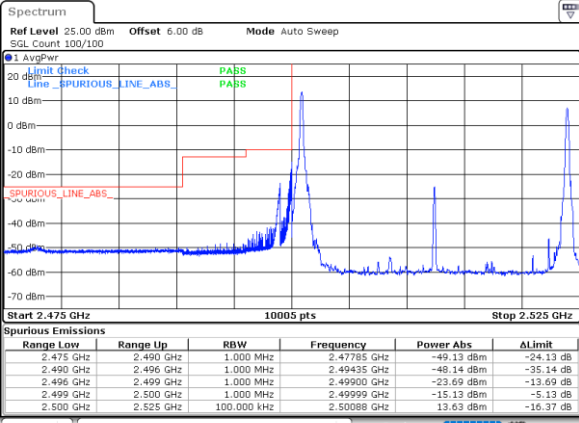


LTE Band 7 / 15MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

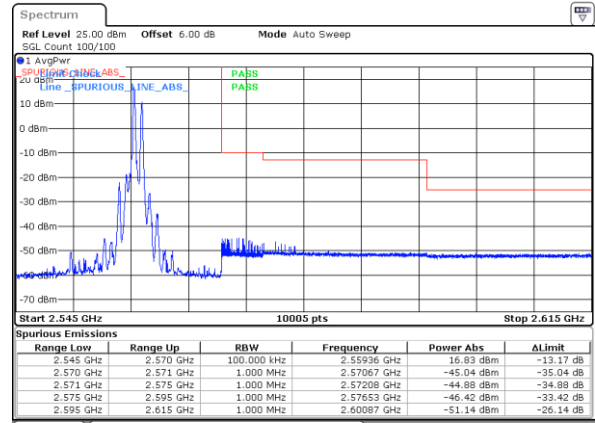
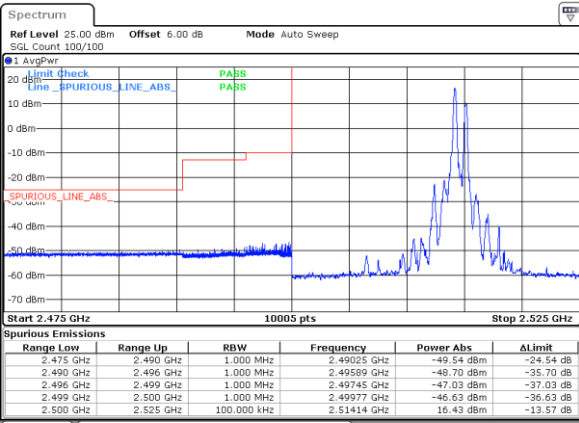


Date: 29\_NOV\_2022 00:17:13

Date: 29\_NOV\_2022 00:36:02

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

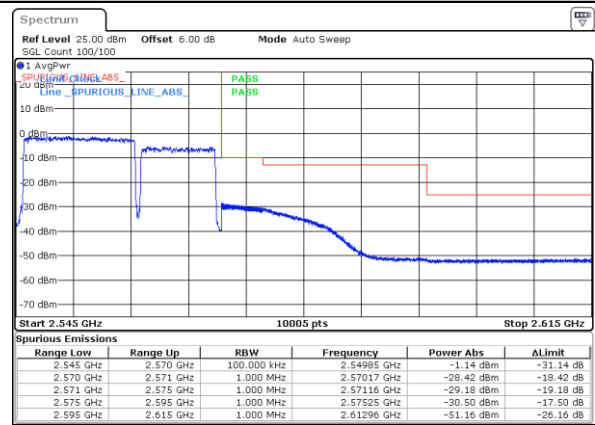
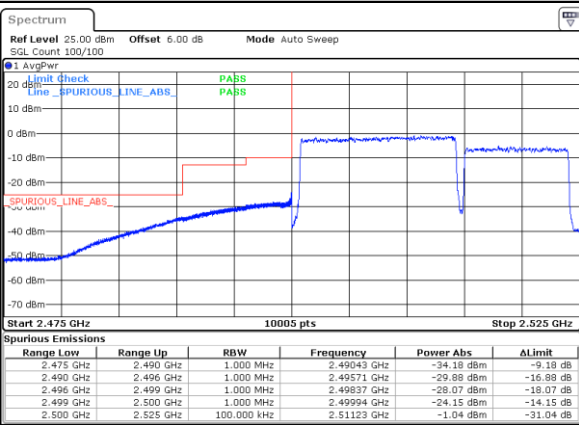


Date: 29\_NOV\_2022 00:22:27

Date: 29\_NOV\_2022 00:41:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29\_NOV\_2022 00:27:42

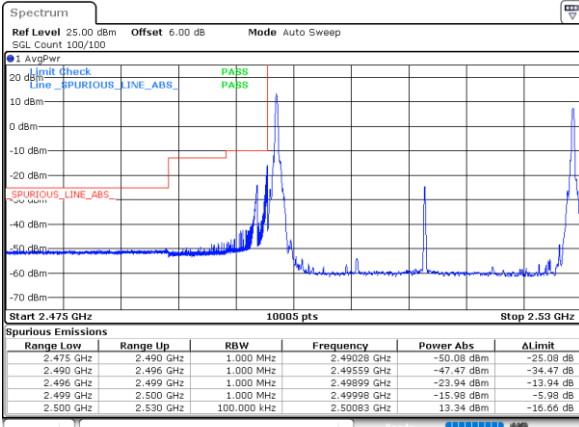
Date: 29\_NOV\_2022 00:46:31



LTE Band 7 / 15MHz+15MHz

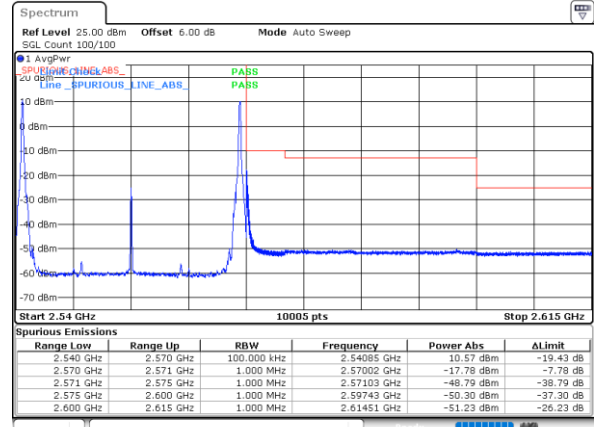
256QAM

Lowest Band Edge / 1RB0 and 1RB74



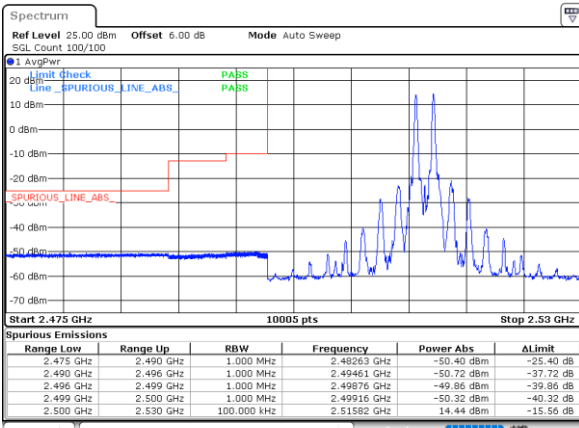
Date: 29\_NOV\_2022 00:53:23

Highest Band Edge / 1RB0 and 1RB74



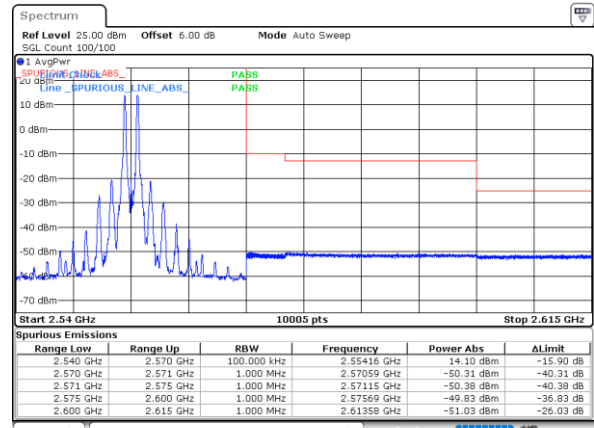
Date: 29\_NOV\_2022 01:12:13

Lowest Band Edge / 1RB74 and 1RB0



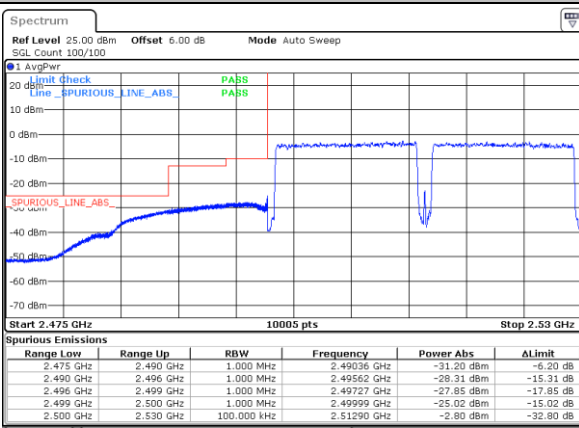
Date: 29\_NOV\_2022 00:58:38

Highest Band Edge / 1RB74 and 1RB0



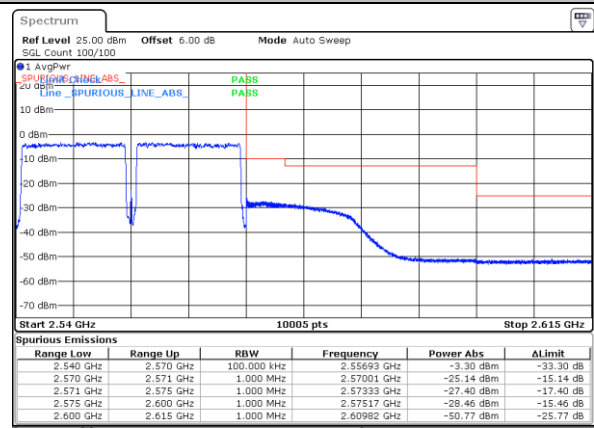
Date: 29\_NOV\_2022 01:12:29

Lowest Band Edge / Full RB



Date: 29\_NOV\_2022 01:03:53

Highest Band Edge / Full RB



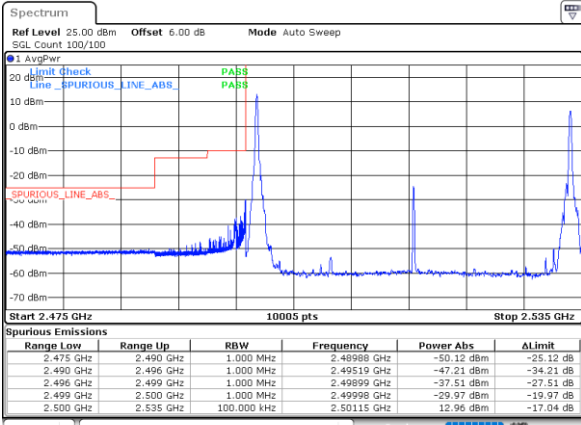
Date: 29\_NOV\_2022 01:25:56



LTE Band 7 / 15MHz+20MHz

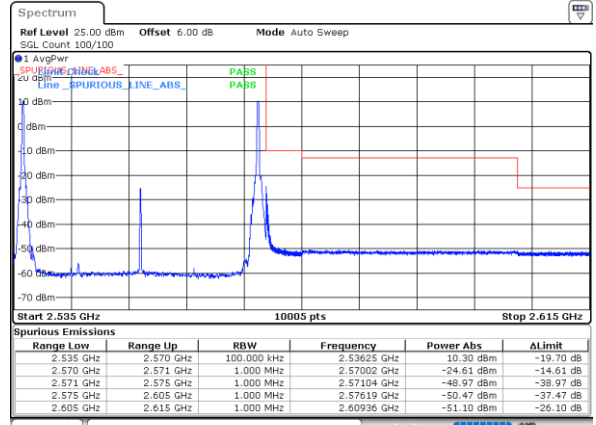
256QAM

Lowest Band Edge / 1RB0 and 1RB99



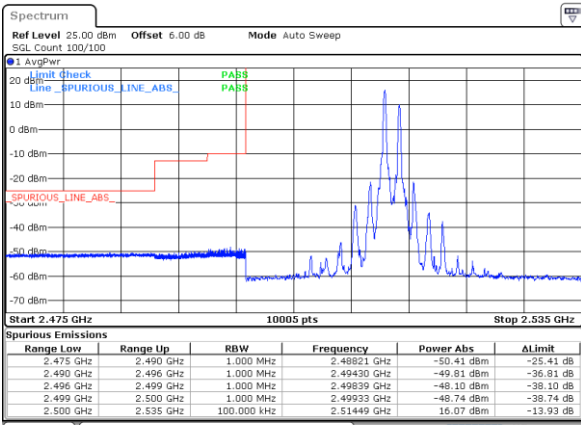
Date: 29\_NOV\_2022 01:32:49

Highest Band Edge / 1RB0 and 1RB99



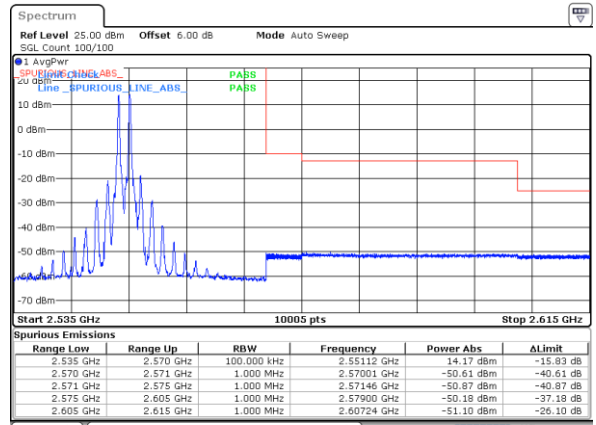
Date: 29\_NOV\_2022 01:51:45

Lowest Band Edge / 1RB74 and 1RB0



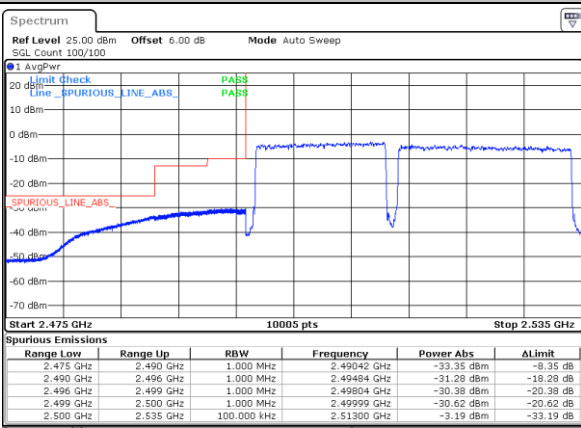
Date: 29\_NOV\_2022 01:38:05

Highest Band Edge / 1RB74 and 1RB0



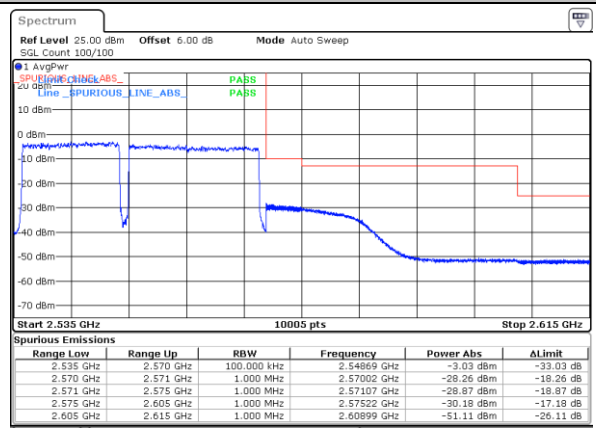
Date: 29\_NOV\_2022 01:57:00

Lowest Band Edge / Full RB



Date: 29\_NOV\_2022 01:43:22

Highest Band Edge / Full RB



Date: 29\_NOV\_2022 02:02:18

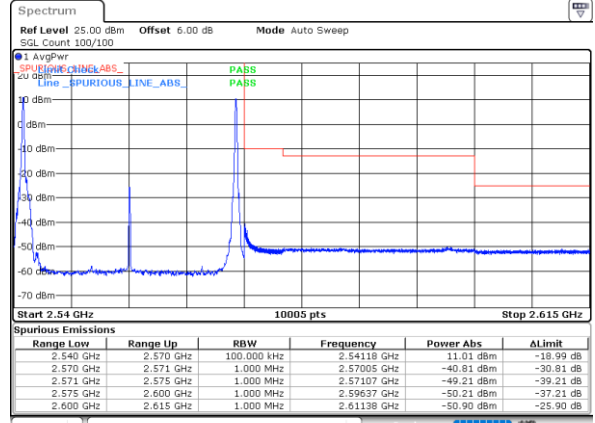
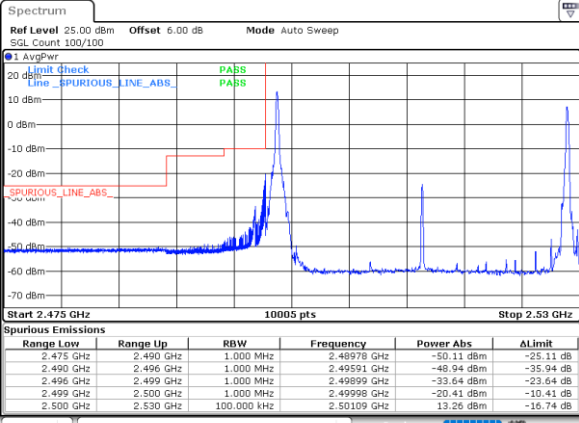


LTE Band 7 / 20MHz+10MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

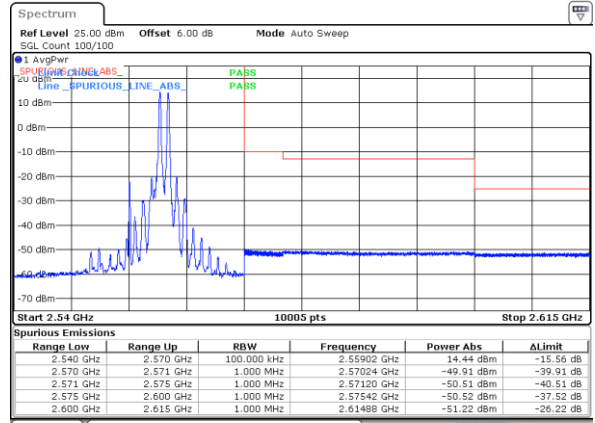
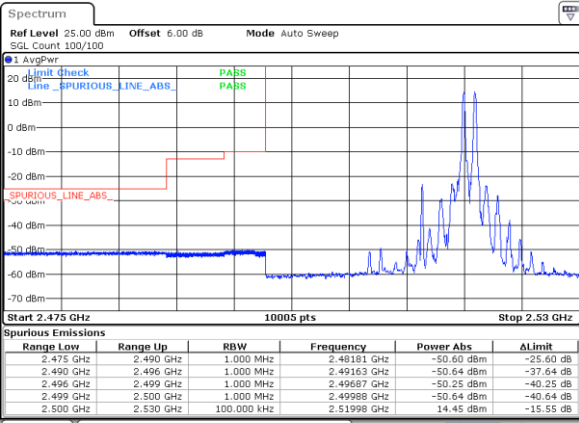


Date: 29\_NOV\_2022 02:09:12

Date: 29\_NOV\_2022 02:28:14

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

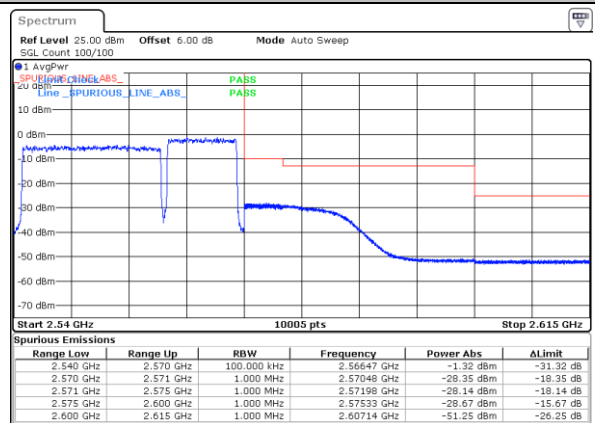
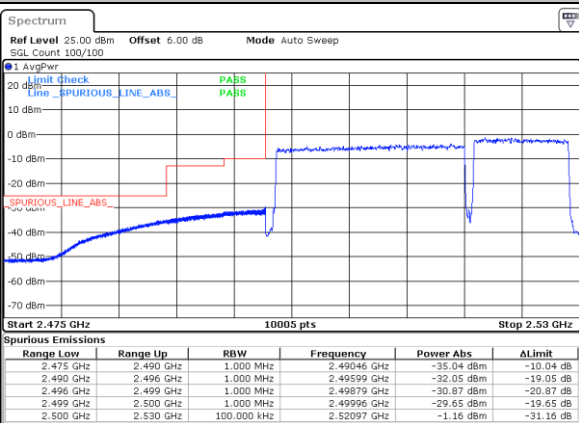


Date: 29\_NOV\_2022 02:14:26

Date: 29\_NOV\_2022 02:33:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29\_NOV\_2022 02:19:46

Date: 29\_NOV\_2022 02:38:48

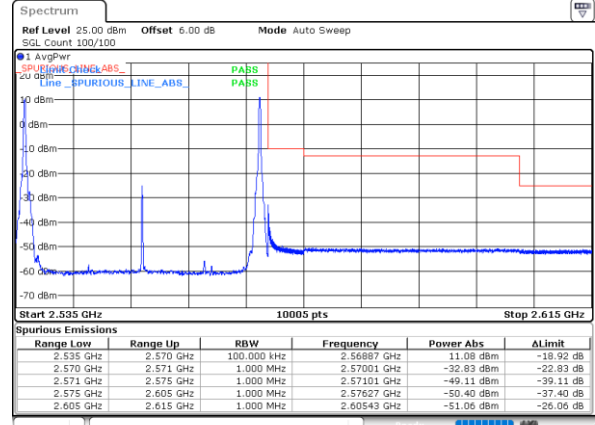
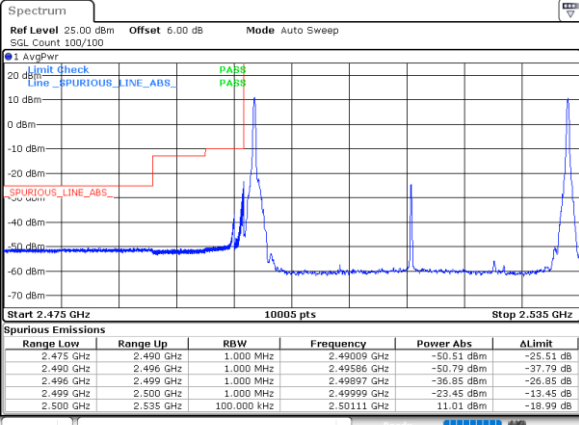


LTE Band 7 / 20MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

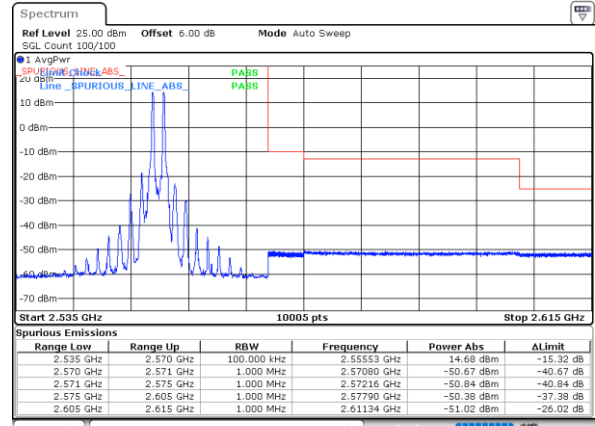
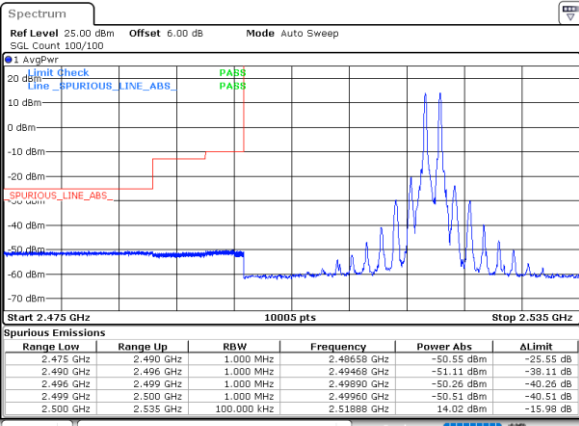


Date: 29.NOV.2022 02:45:43

Date: 29.NOV.2022 03:45:06

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

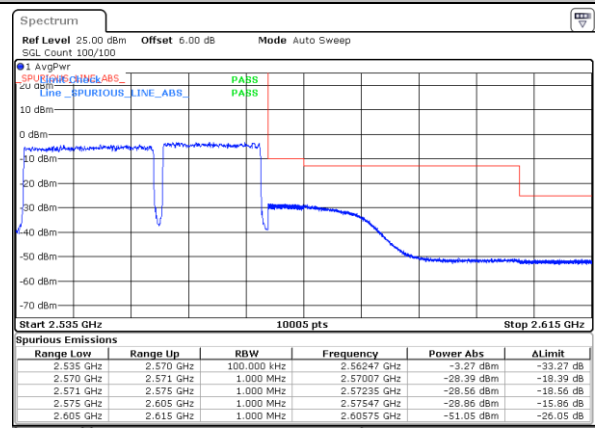
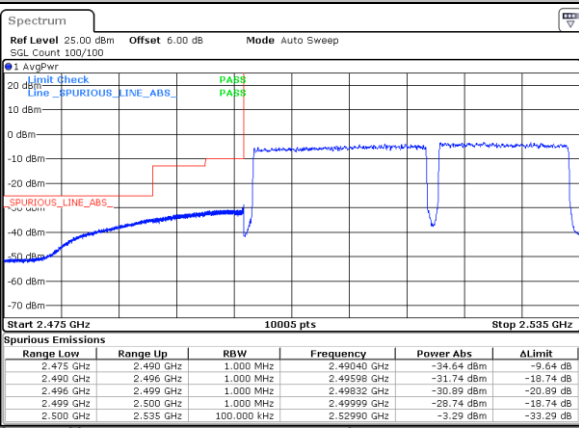


Date: 29.NOV.2022 02:51:02

Date: 29.NOV.2022 03:51:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29.NOV.2022 02:56:18

Date: 29.NOV.2022 03:46:53

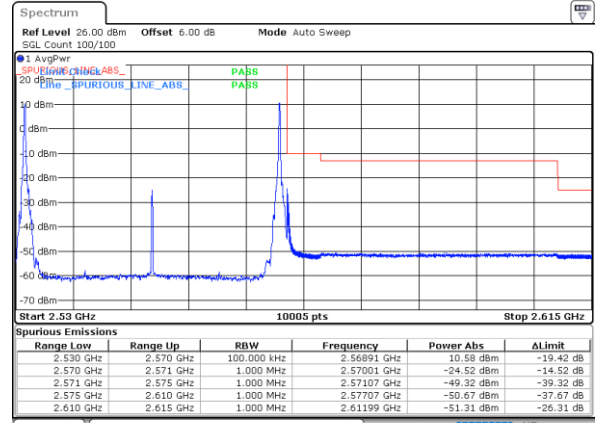
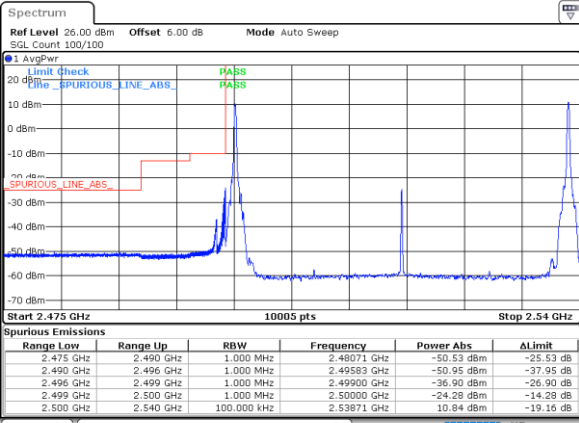


LTE Band 7 / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

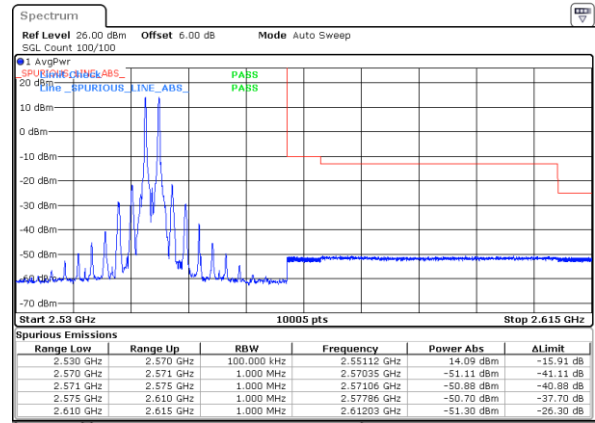
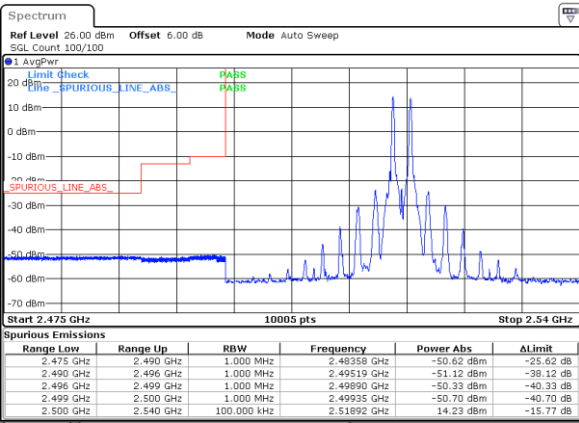


Date: 29.NOV.2022 03:56:10

Date: 29.NOV.2022 04:11:11

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

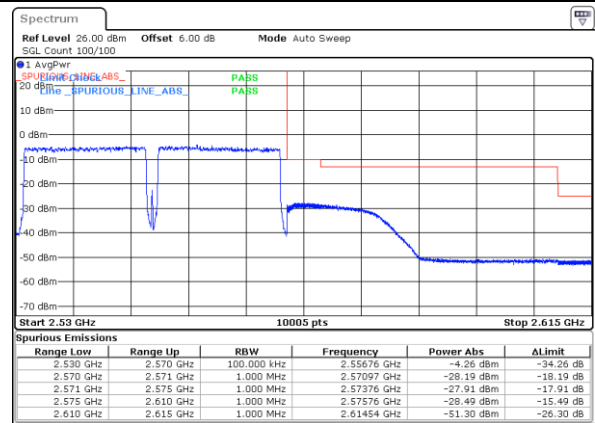
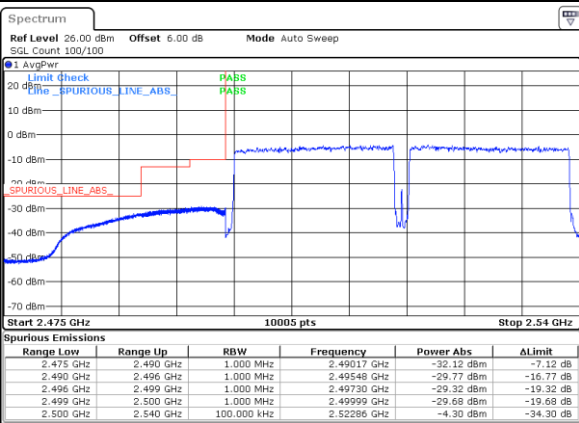


Date: 29.NOV.2022 04:01:13

Date: 29.NOV.2022 04:03:25

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29.NOV.2022 03:55:23

Date: 29.NOV.2022 04:11:58

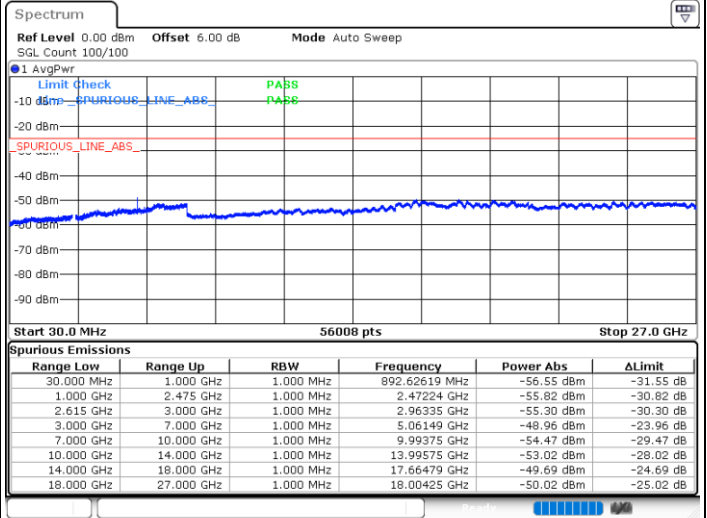
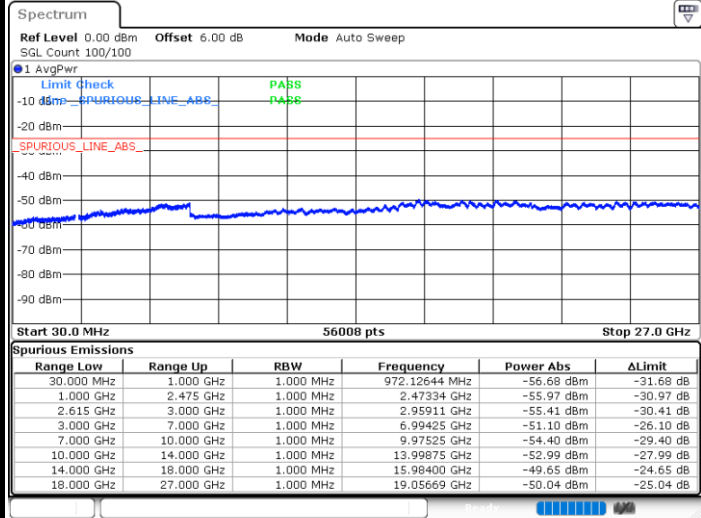


# Conducted Spurious Emission

## LTE Band 7 / 10MHz+20MHz

### Lowest Channel / QPSK

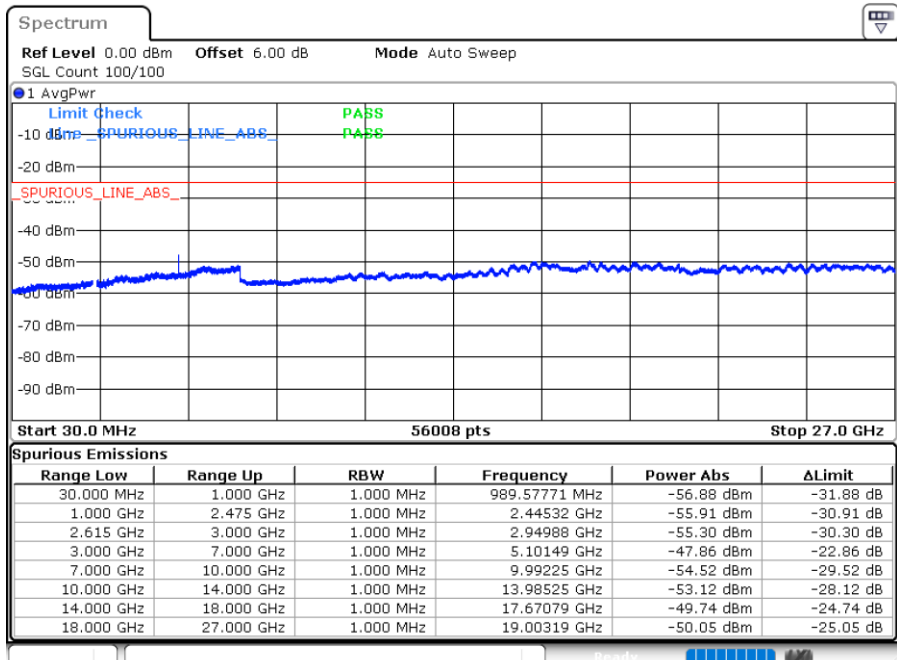
### Middle Channel / QPSK



Date: 28.NOV.2022 23:35:57

Date: 28.NOV.2022 23:53:12

### Highest Channel / QPSK



Date: 28.NOV.2022 23:54:45

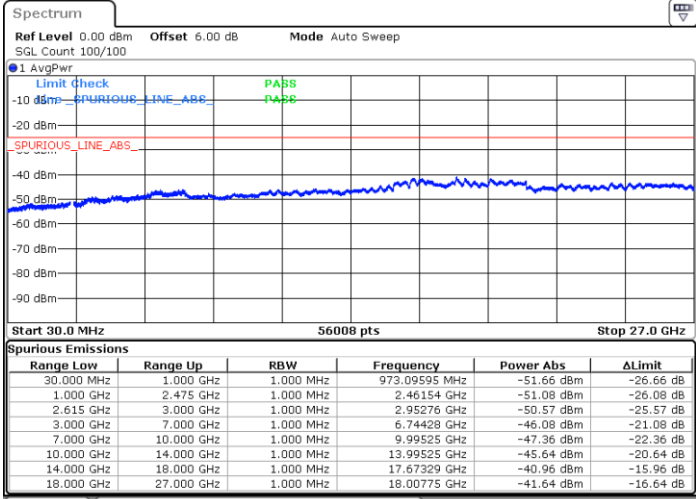




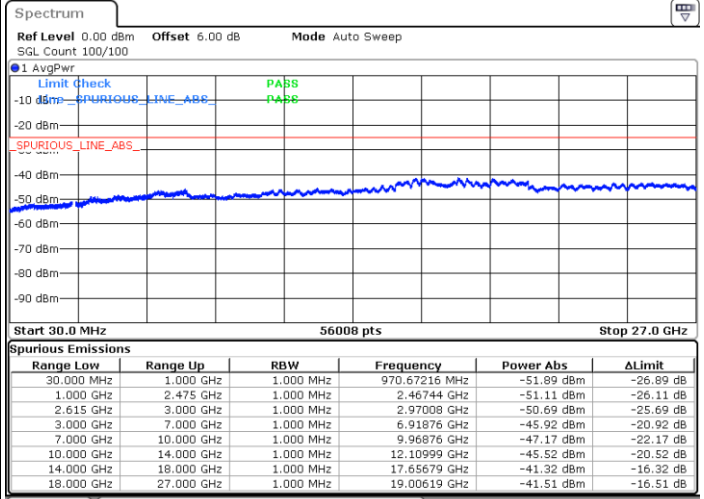
LTE Band 7 / 15MHz+10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

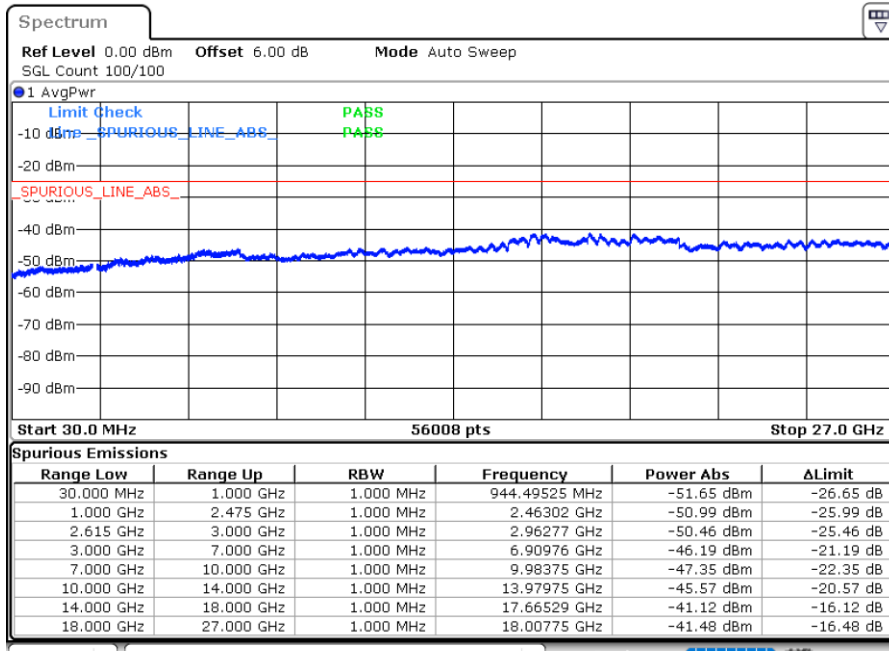


Date: 29.NOV.2022 00:11:58



Date: 29.NOV.2022 00:29:16

Highest Channel / QPSK



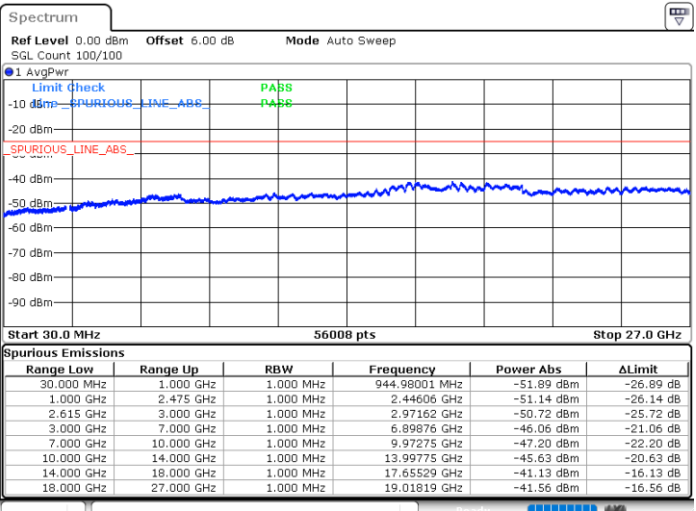
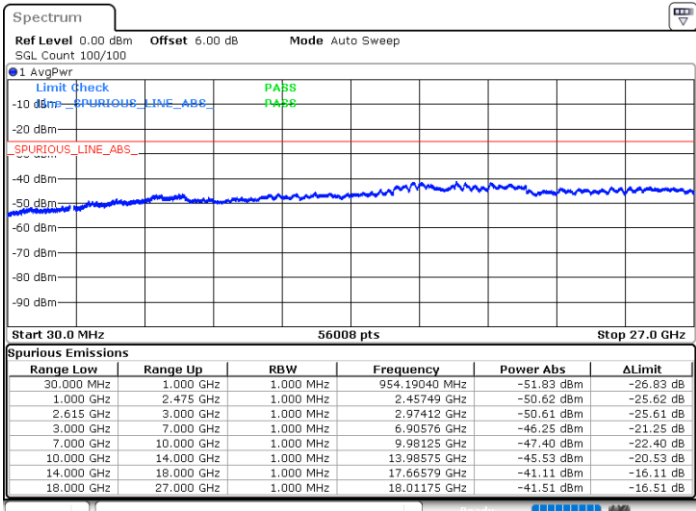
Date: 29.NOV.2022 00:30:49



LTE Band 7 / 15MHz+15MHz

Lowest Channel / QPSK

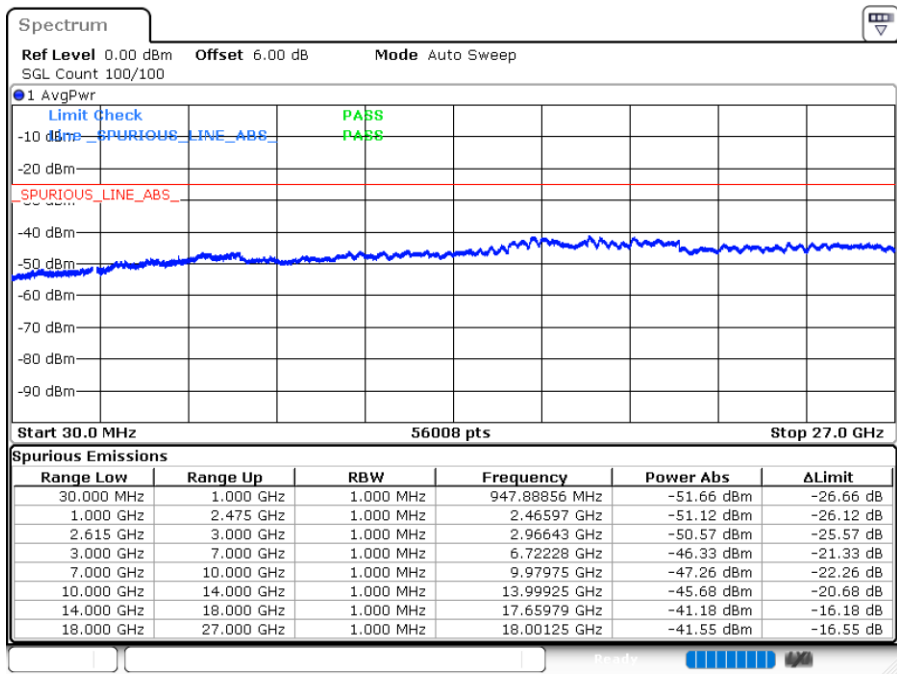
Middle Channel / QPSK



Date: 29.NOV.2022 00:48:08

Date: 29.NOV.2022 01:05:27

Highest Channel / QPSK



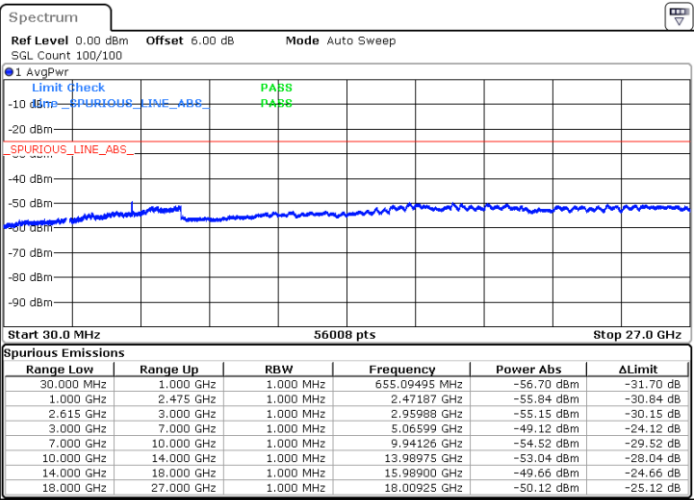
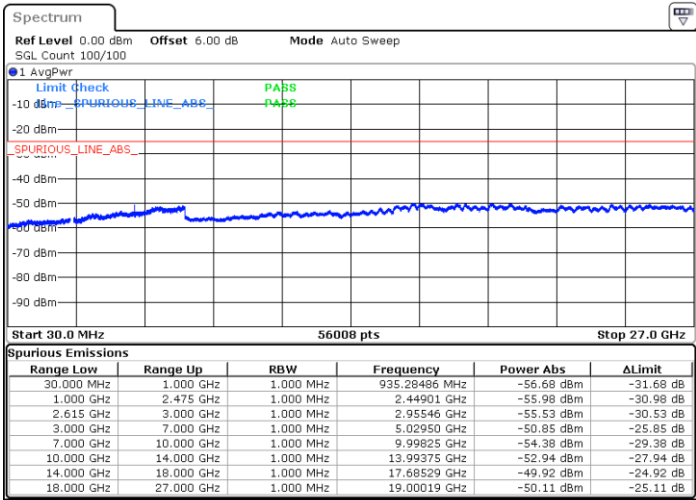
Date: 29.NOV.2022 01:07:00



LTE Band 7 / 15MHz+20MHz

Lowest Channel / QPSK

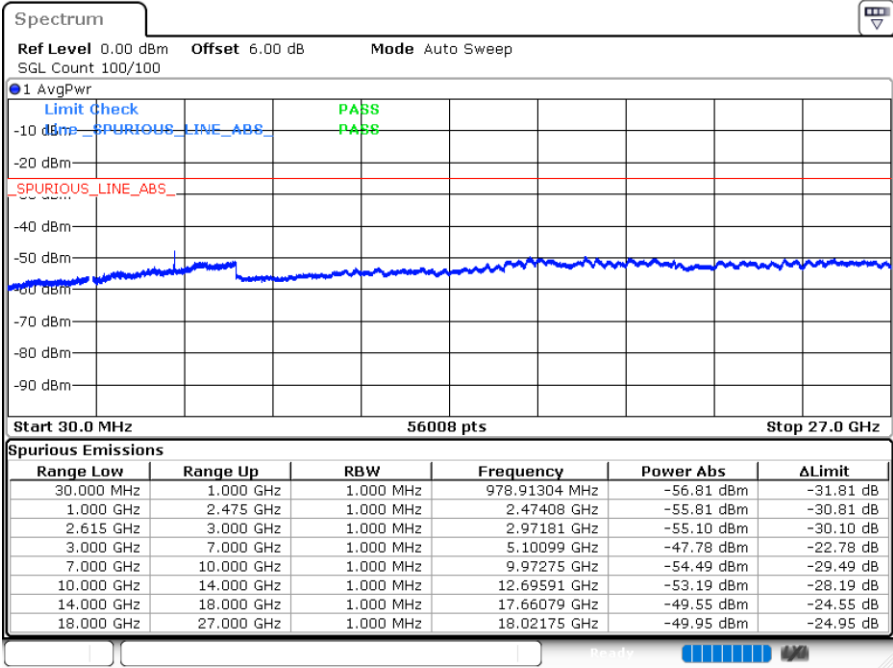
Middle Channel / QPSK



Date: 29.NOV.2022 01:27:32

Date: 29.NOV.2022 01:44:57

Highest Channel / QPSK



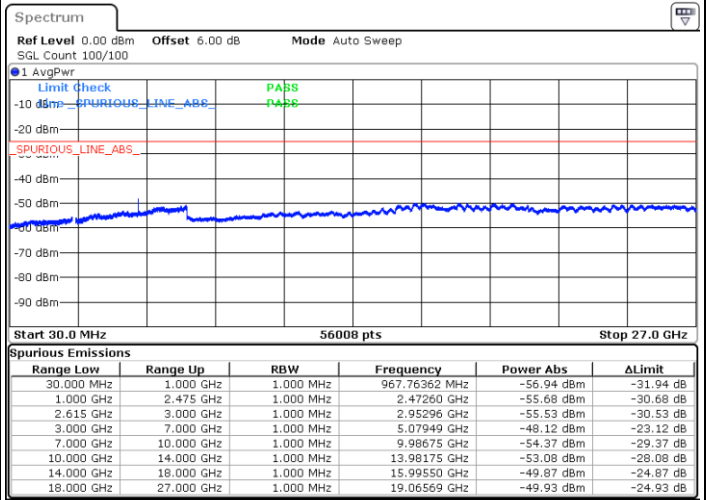
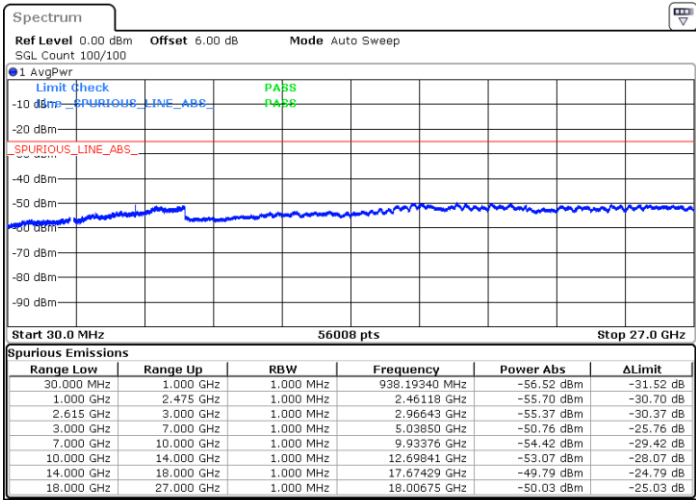
Date: 29.NOV.2022 01:46:31



LTE Band 7 / 20MHz+10MHz

Lowest Channel / QPSK

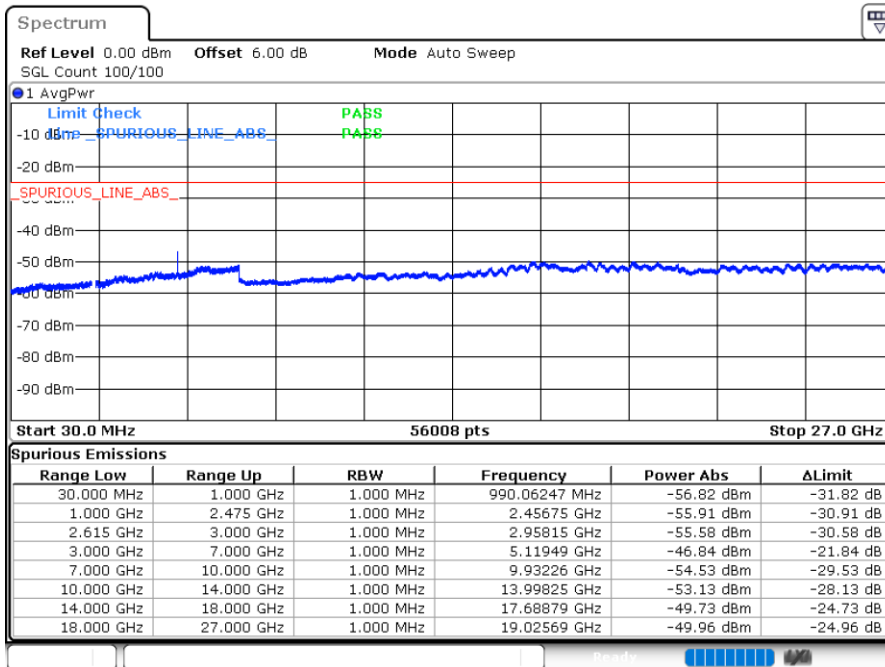
Middle Channel / QPSK



Date: 29.NOV.2022 02:03:54

Date: 29.NOV.2022 02:21:22

Highest Channel / QPSK



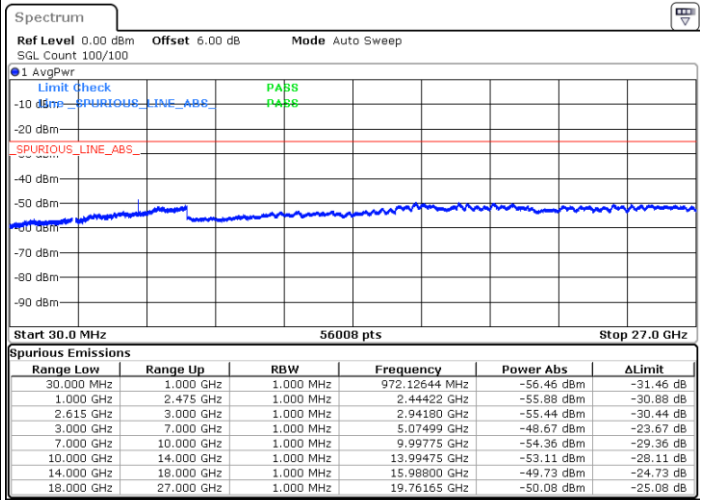
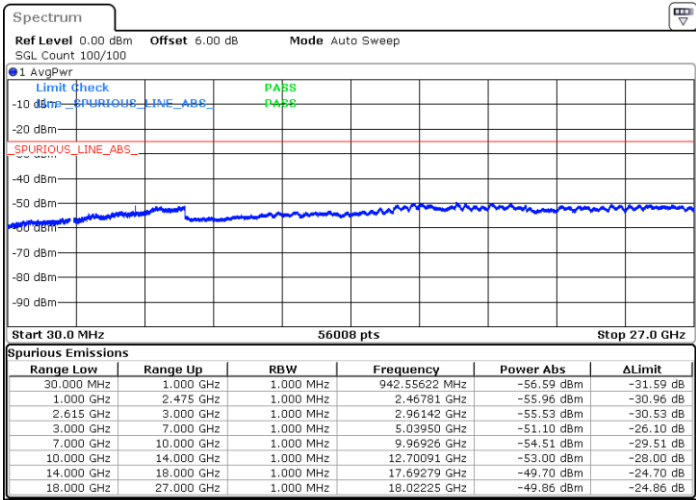
Date: 29.NOV.2022 02:22:57



LTE Band 7 / 20MHz+15MHz

Lowest Channel / QPSK

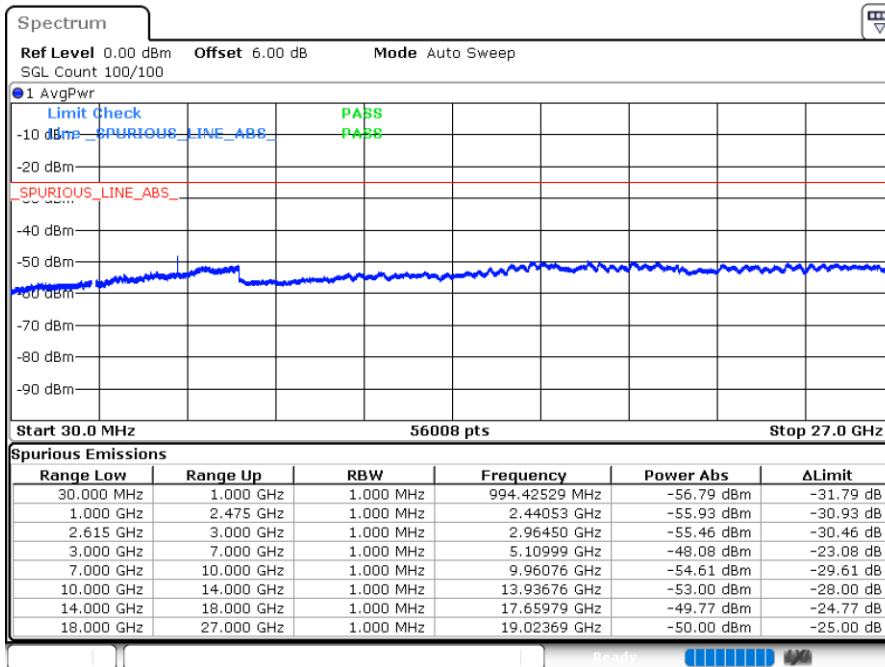
Middle Channel / QPSK



Date: 29.NOV.2022 02:40:25

Date: 29.NOV.2022 03:32:47

Highest Channel / QPSK



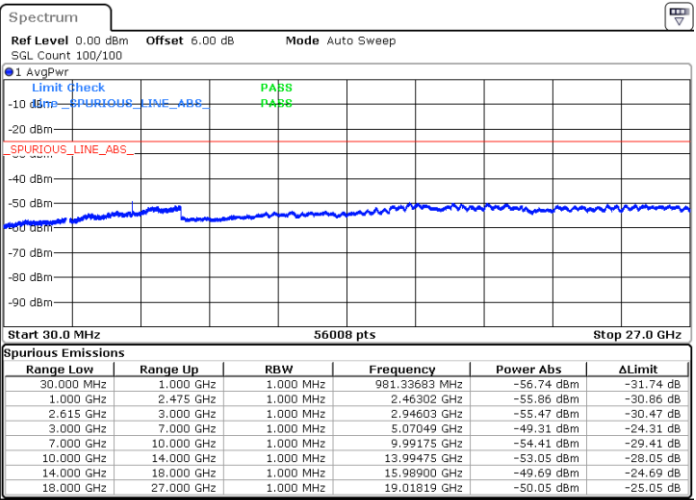
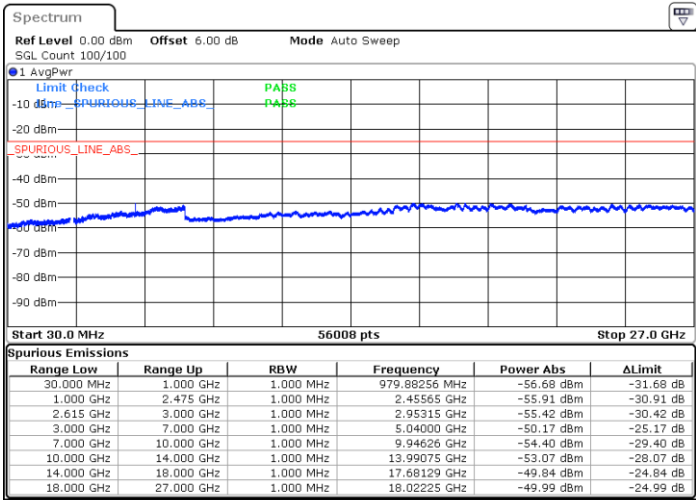
Date: 29.NOV.2022 03:34:22



LTE Band 7 /20MHz+20MHz

Lowest Channel / QPSK

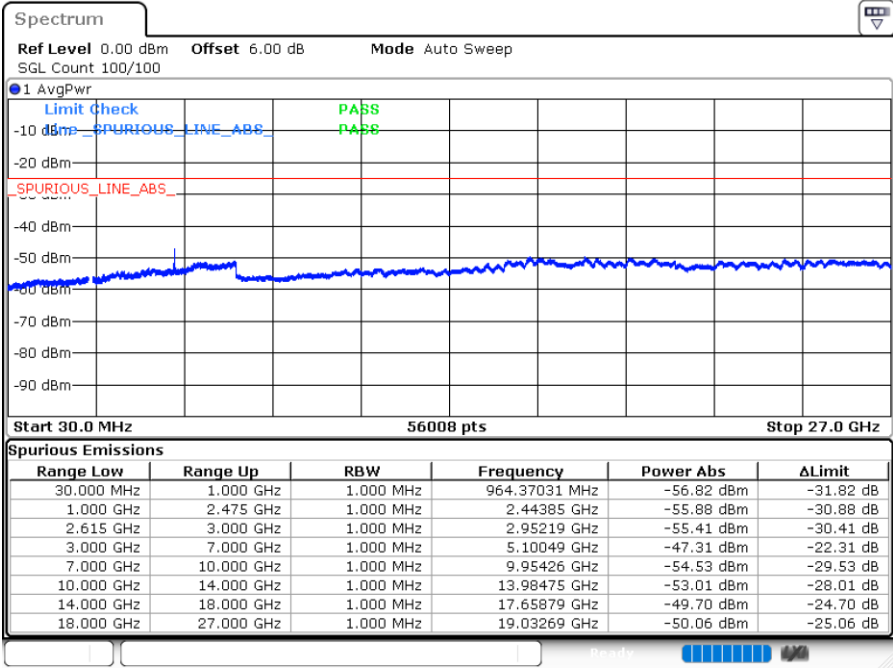
Middle Channel / QPSK



Date: 29.NOV.2022 04:21:23

Date: 29.NOV.2022 04:19:41

Highest Channel / QPSK



Date: 29.NOV.2022 04:17:55



### Frequency Stability

Test Conditions		LTE Band 7C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

**Note:**

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.51 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 41C

## 26dB Bandwidth

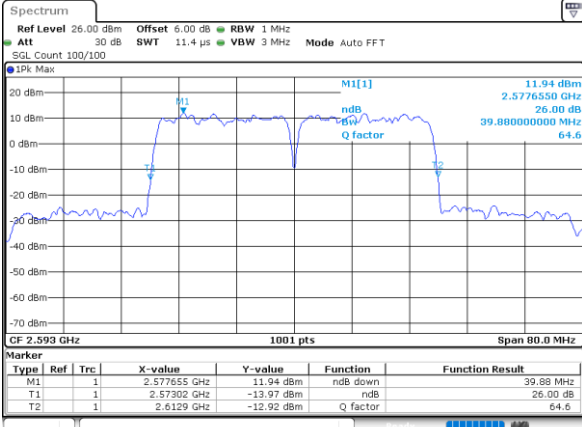
Mode	LTE Band 41-CA : 26dB BW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	39.88	40.04
BW	20MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	34.97	35.11
BW	20MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	29.97	29.97
BW	20MHz+5MHz	
Mod.	QPSK	16QAM
Middle CH	25.03	24.83
BW	15MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	35.11	34.97
BW	15MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	30.63	30.75
BW	15MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	25.33	25.43
BW	10MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	30.03	29.97
BW	10MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	25.23	25.23
BW	5MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	24.88	24.78





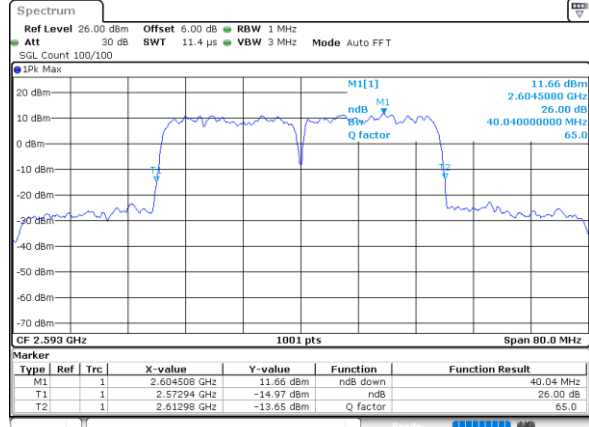
LTE Band 41

Middle Channel / 20MHz+20MHz / QPSK



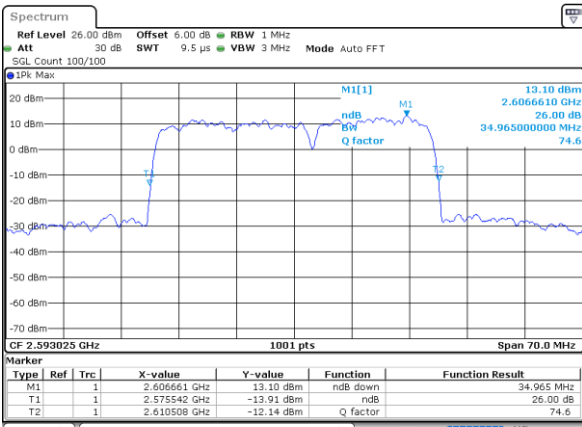
Date: 29.Dec.2022 09:44:38

Middle Channel / 20MHz+20MHz / 16QAM



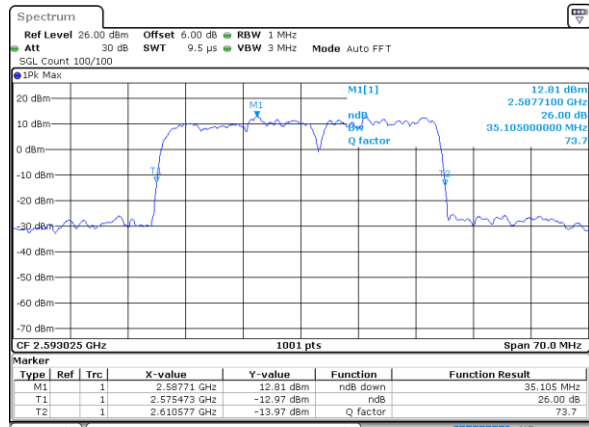
Date: 29.Dec.2022 09:45:05

Middle Channel / 20MHz+15MHz / QPSK



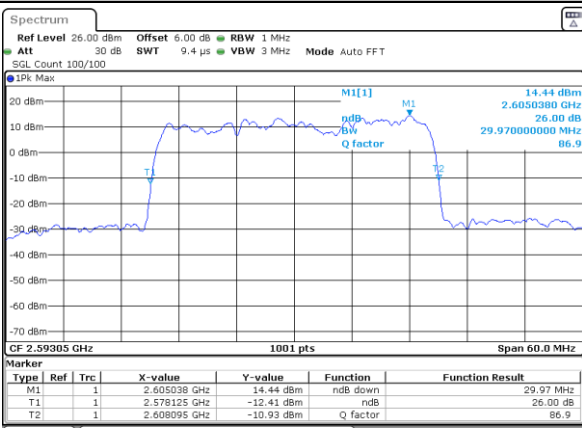
Date: 29.Dec.2022 09:20:14

Middle Channel / 20MHz+15MHz / 16QAM



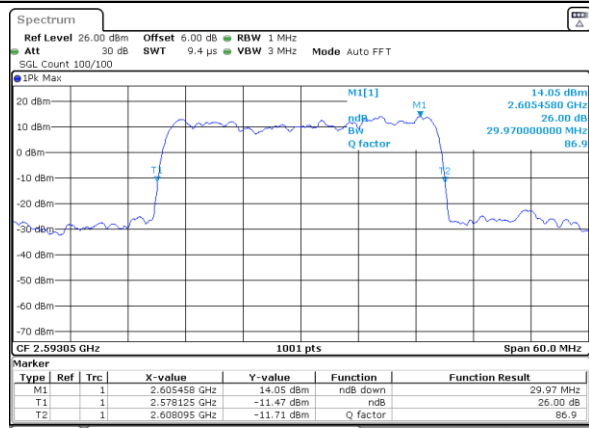
Date: 29.Dec.2022 09:20:42

Middle Channel / 20MHz+10MHz / QPSK



Date: 29.Dec.2022 03:21:27

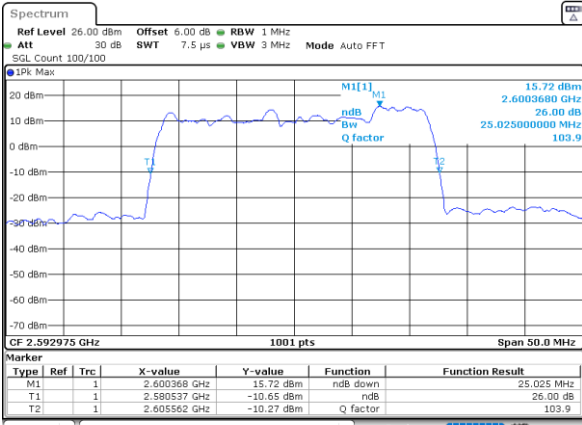
Middle Channel / 20MHz+10MHz / 16QAM



Date: 29.Dec.2022 03:23:48

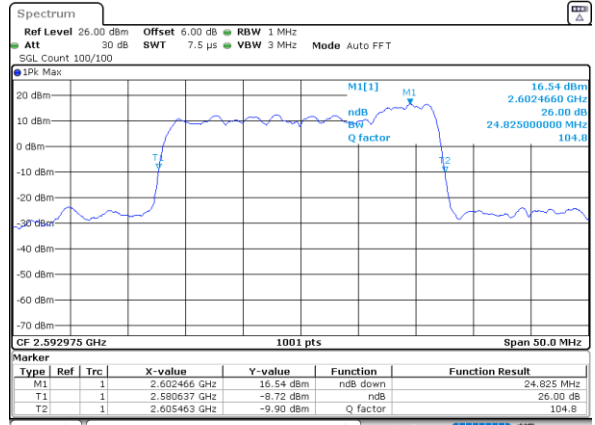


Middle Channel / 20MHz+5MHz / QPSK



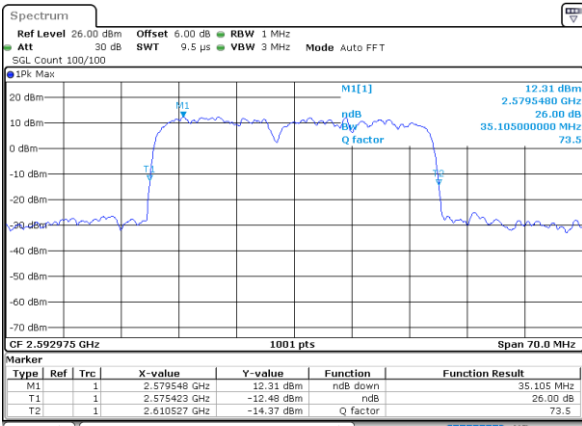
Date: 29.Dec.2022 01:10:24

Middle Channel / 20MHz+5MHz / 16QAM



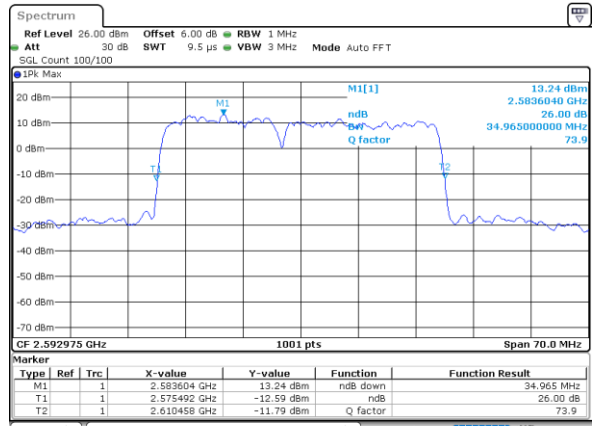
Date: 29.Dec.2022 01:10:00

Middle Channel / 15MHz+20MHz / QPSK



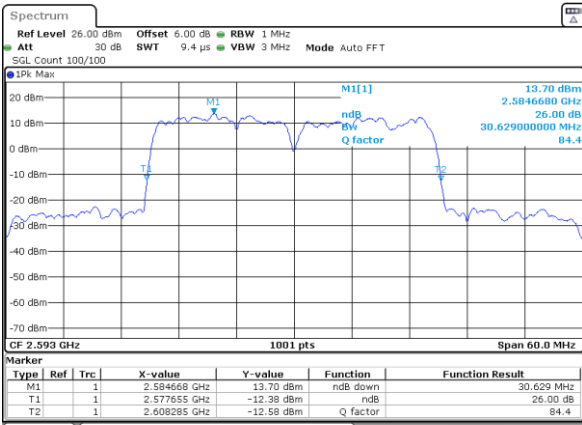
Date: 29.Dec.2022 08:55:40

Middle Channel / 15MHz+20MHz / 16QAM



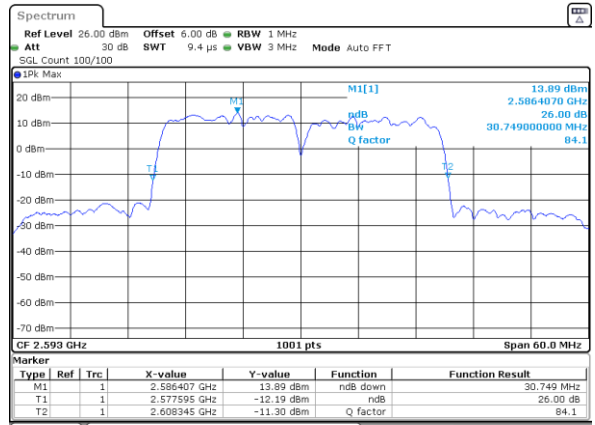
Date: 29.Dec.2022 08:56:07

Middle Channel / 15MHz+15MHz / QPSK



Date: 29.Dec.2022 04:16:56

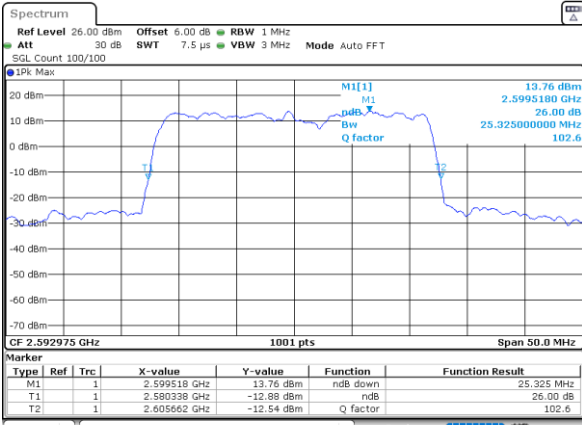
Middle Channel / 15MHz+15MHz / 16QAM



Date: 29.Dec.2022 04:17:59

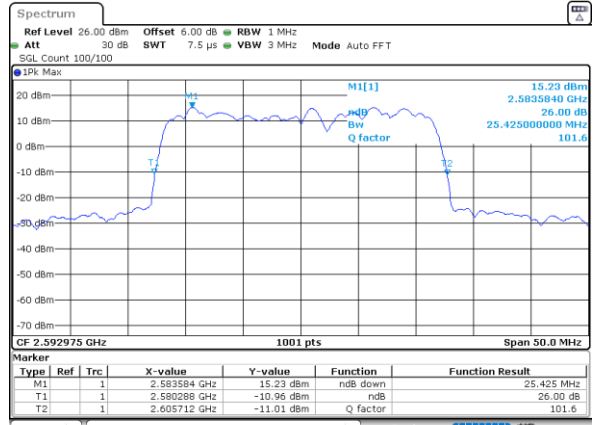


Middle Channel / 15MHz+10MHz / QPSK



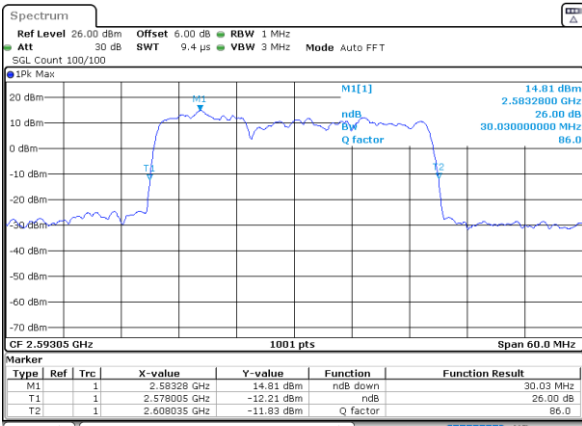
Date: 29, DEC, 2022 02:18:19

Middle Channel / 15MHz+10MHz / 16QAM



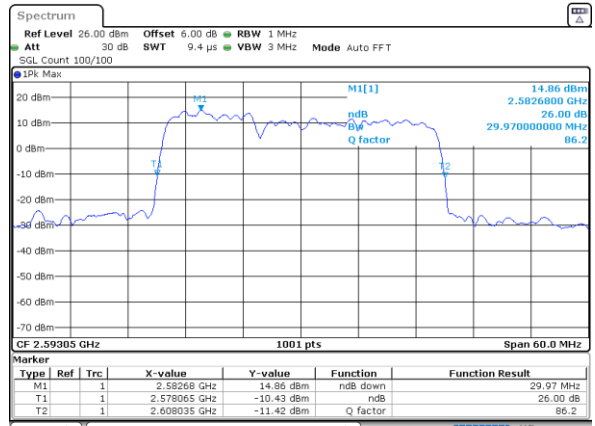
Date: 29, DEC, 2022 02:19:28

Middle Channel / 10MHz+20MHz / QPSK



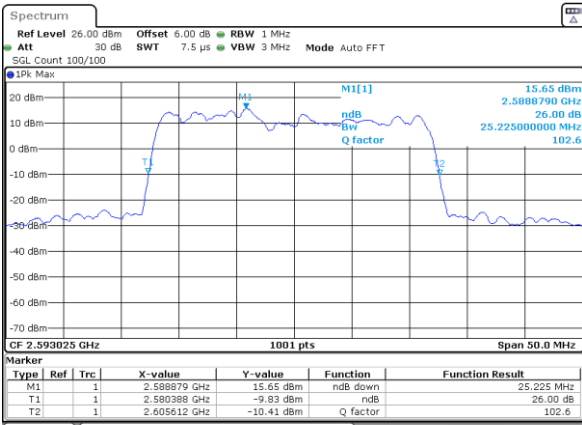
Date: 29, DEC, 2022 03:17:52

Middle Channel / 10MHz+20MHz / 16QAM



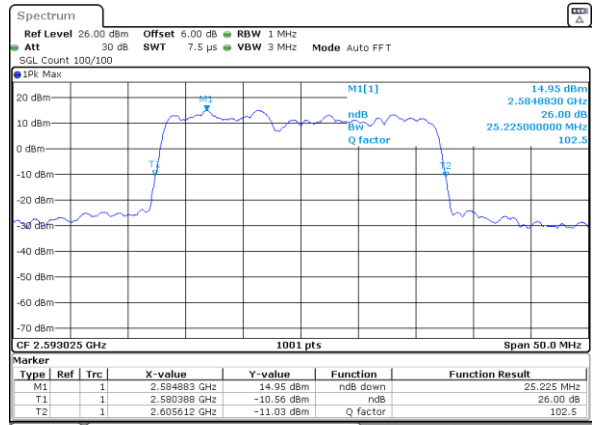
Date: 29, DEC, 2022 03:18:59

Middle Channel / 10MHz+15MHz / QPSK

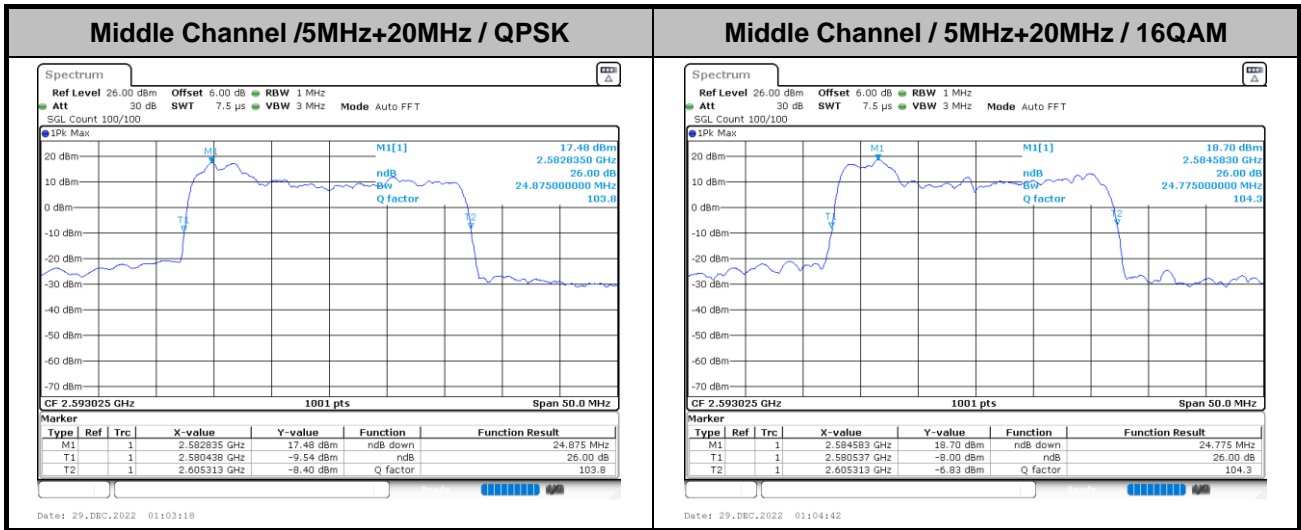


Date: 29, DEC, 2022 02:14:49

Middle Channel / 10MHz+15MHz / 16QAM



Date: 29, DEC, 2022 02:16:30





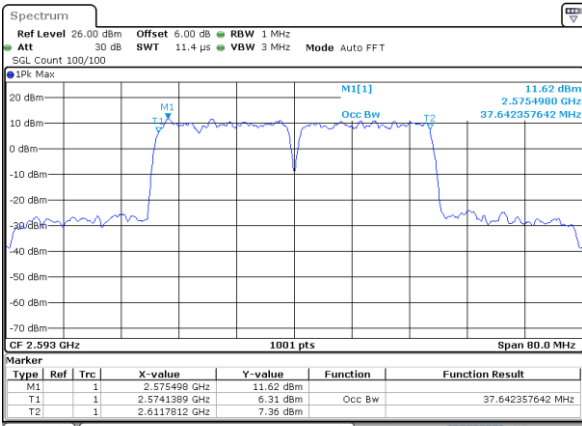
**Occupied Bandwidth**

Mode	LTE Band 41-CA : 99%OBW(MHz)	
<b>BW</b>	<b>20MHz+20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	37.64	37.40
<b>BW</b>	<b>20MHz+15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	33.15	32.87
<b>BW</b>	<b>20MHz+10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	28.05	28.11
<b>BW</b>	<b>20MHz+5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	23.38	23.33
<b>BW</b>	<b>15MHz+20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	32.80	32.94
<b>BW</b>	<b>15MHz+15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	28.59	28.65
<b>BW</b>	<b>15MHz+10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	23.48	23.48
<b>BW</b>	<b>10MHz+20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	27.99	28.05
<b>BW</b>	<b>10MHz+15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	23.33	23.43
<b>BW</b>	<b>5MHz+20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	23.33	23.38



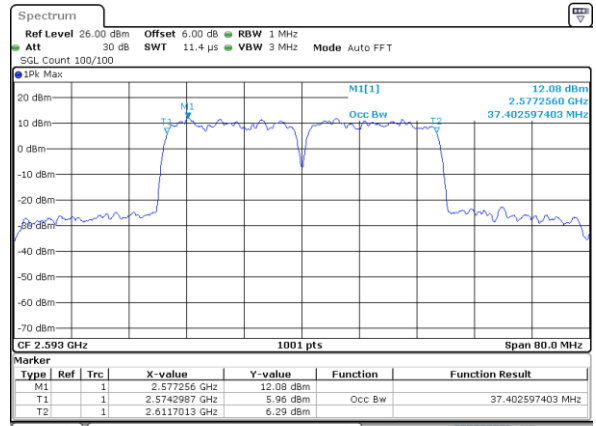
LTE Band 41

Middle Channel / 20MHz+20MHz / QPSK



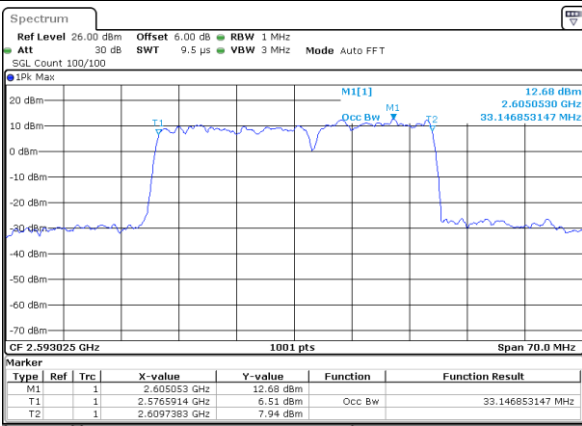
Date: 29.Dec.2022 09:44:11

Middle Channel / 20MHz+20MHz / 16QAM



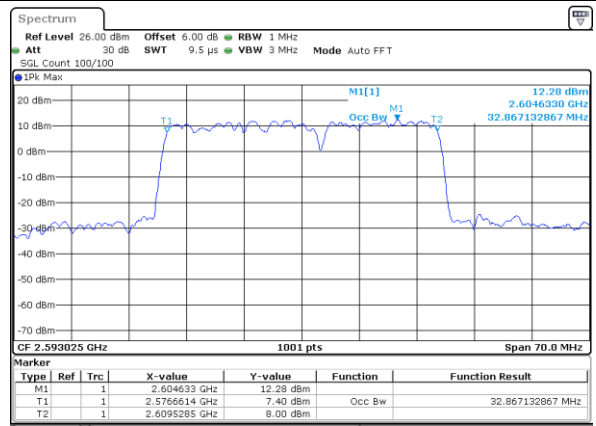
Date: 29.Dec.2022 09:45:132

Middle Channel / 20MHz+15MHz / QPSK



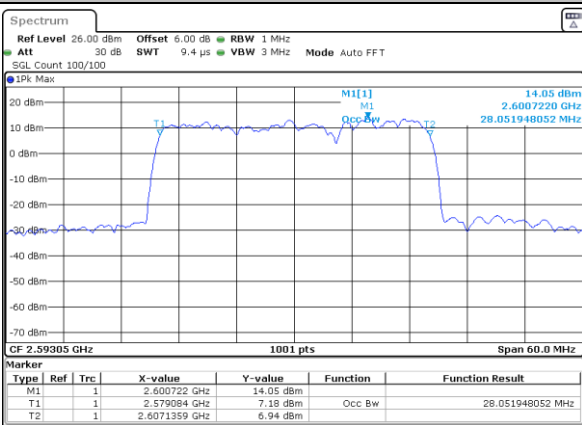
Date: 29.Dec.2022 09:19:47

Middle Channel / 20MHz+15MHz / 16QAM



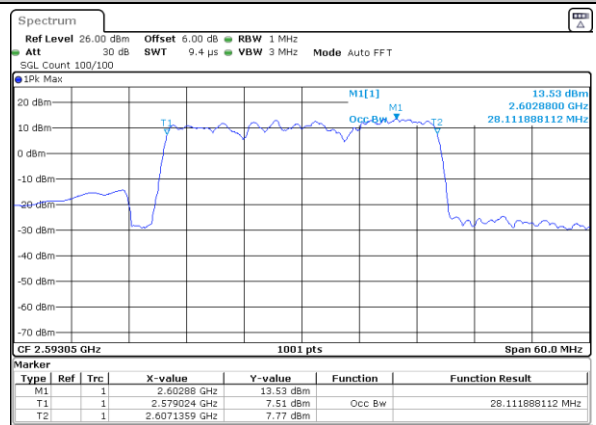
Date: 29.Dec.2022 09:21:109

Middle Channel / 20MHz+10MHz / QPSK



Date: 29.Dec.2022 03:20:32

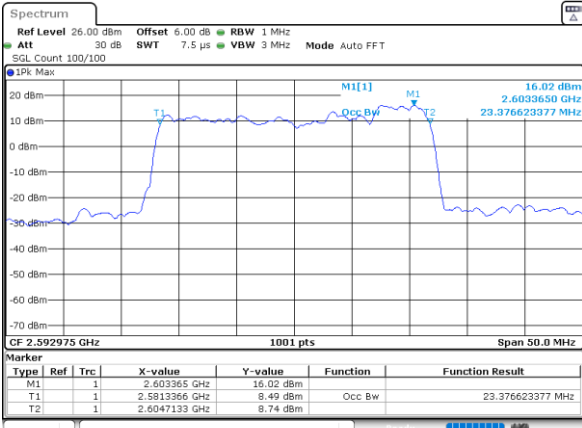
Middle Channel / 20MHz+10MHz / 16QAM



Date: 29.Dec.2022 03:23:117

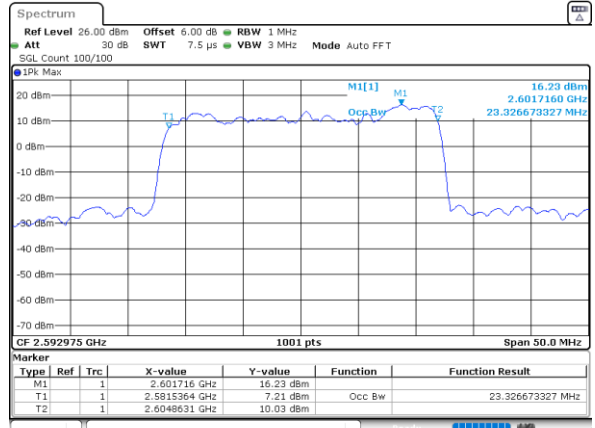


Middle Channel / 20MHz+5MHz / QPSK



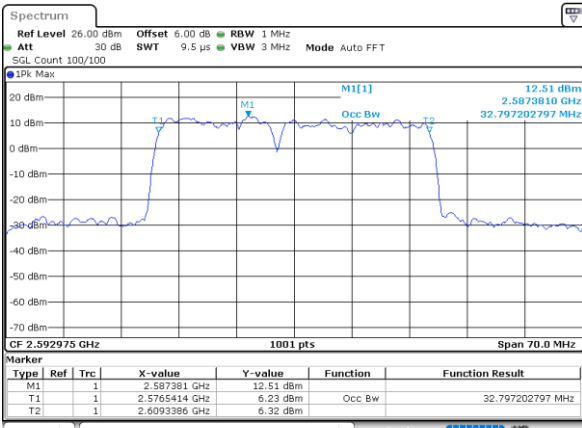
Date: 29, DEC, 2022 01:09:51

Middle Channel / 20MHz+5MHz / 16QAM



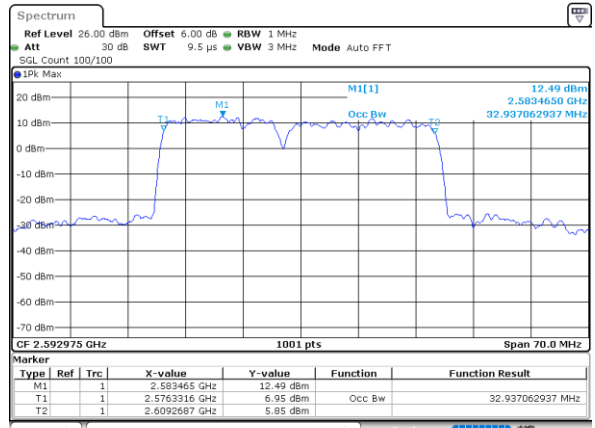
Date: 29, DEC, 2022 01:07:41

Middle Channel / 15MHz+20MHz / QPSK



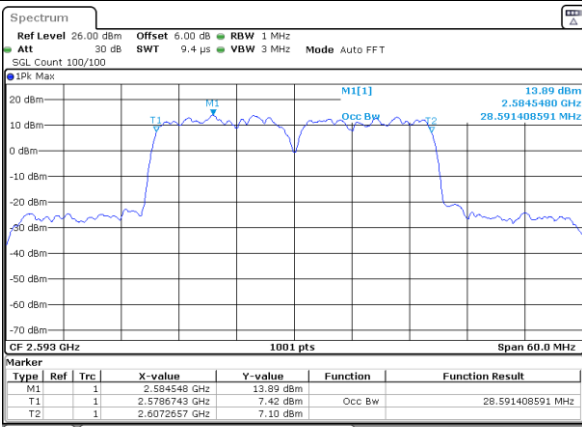
Date: 29, DEC, 2022 08:55:13

Middle Channel / 15MHz+20MHz / 16QAM



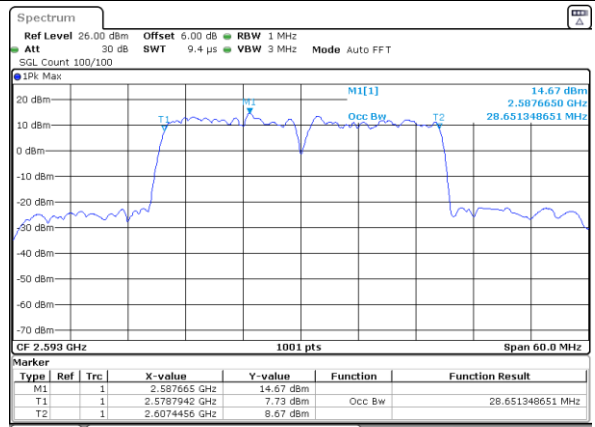
Date: 29, DEC, 2022 08:56:35

Middle Channel / 15MHz+15MHz / QPSK



Date: 29, DEC, 2022 04:16:15

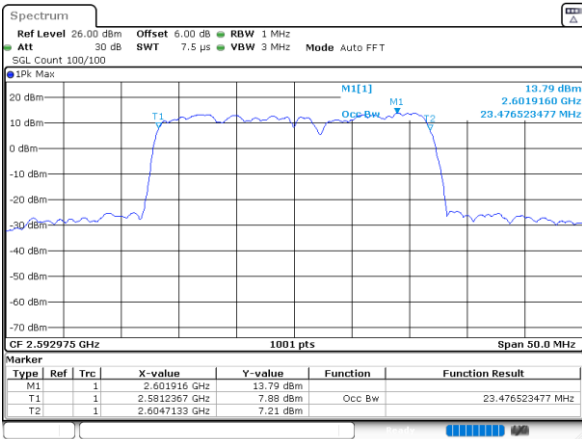
Middle Channel / 15MHz+15MHz / 16QAM



Date: 29, DEC, 2022 04:17:29

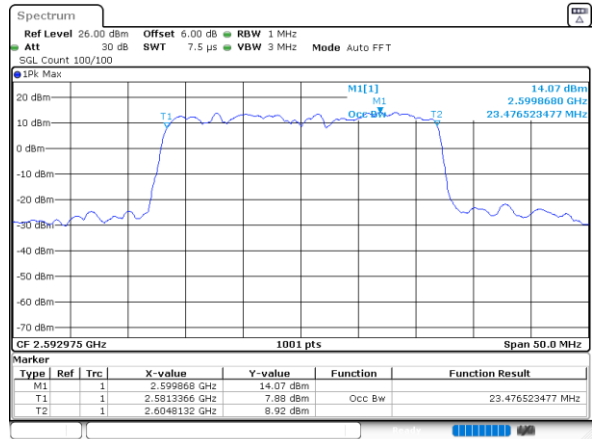


Middle Channel / 15MHz+10MHz / QPSK



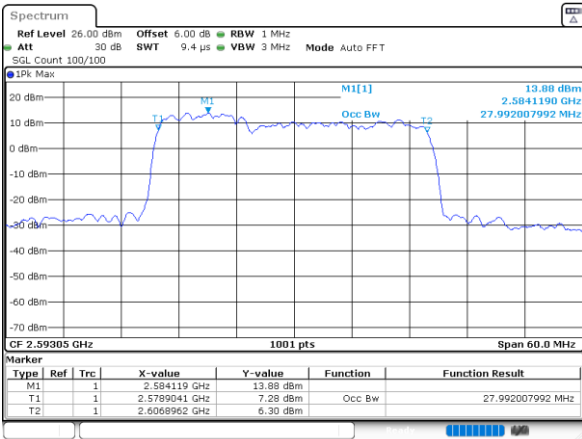
Date: 29, DEC, 2022 02:17:49

Middle Channel / 15MHz+10MHz / 16QAM



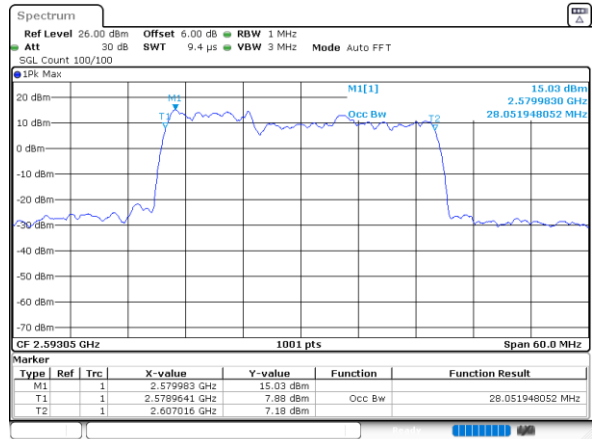
Date: 29, DEC, 2022 02:18:53

Middle Channel / 10MHz+20MHz / QPSK



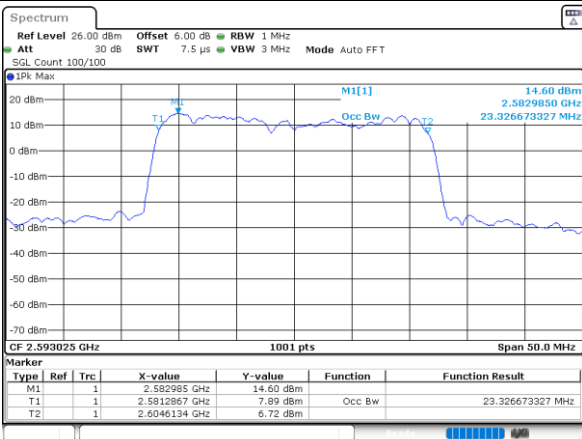
Date: 29, DEC, 2022 03:17:13

Middle Channel / 10MHz+20MHz / 16QAM



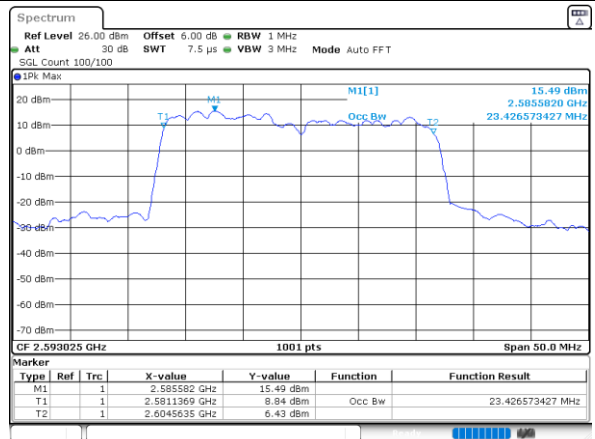
Date: 29, DEC, 2022 03:18:28

Middle Channel / 10MHz+15MHz / QPSK



Date: 29, DEC, 2022 02:14:16

Middle Channel / 10MHz+15MHz / 16QAM



Date: 29, DEC, 2022 02:15:47



