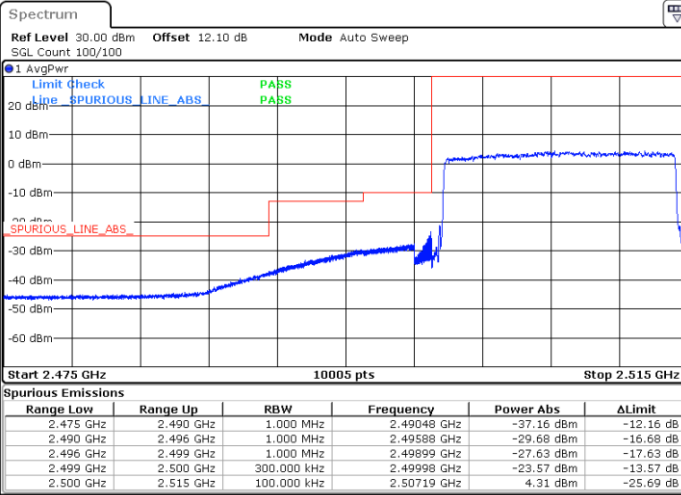




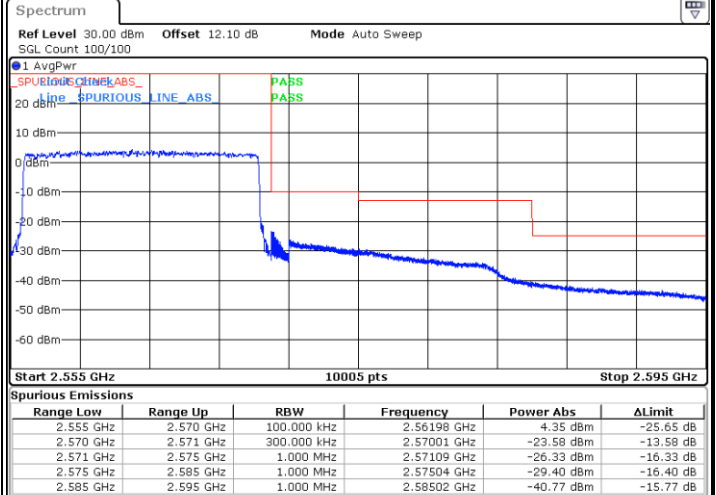
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 14.FEB.2023 11:52:06

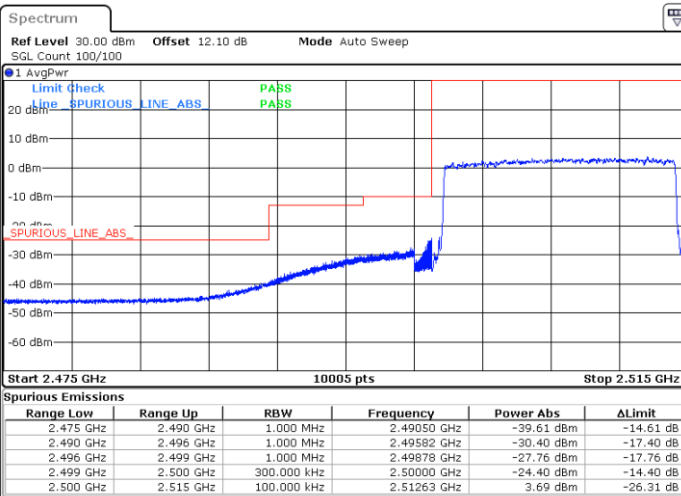
Highest Band Edge / Full RB



Date: 14.FEB.2023 11:56:00

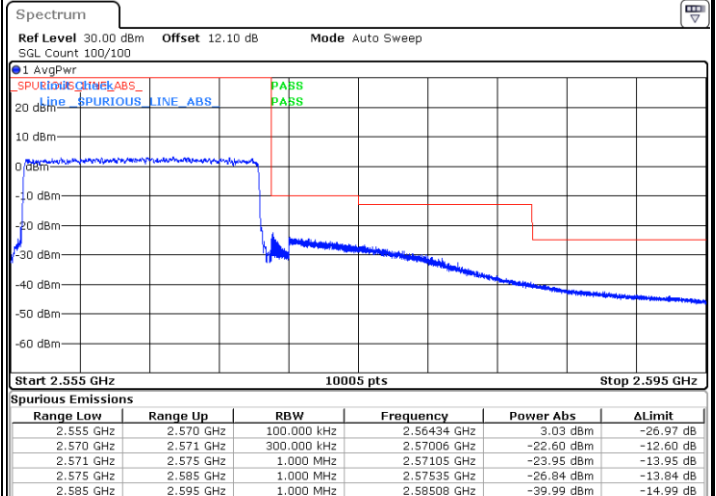
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 14.FEB.2023 11:53:05

Highest Band Edge / Full RB

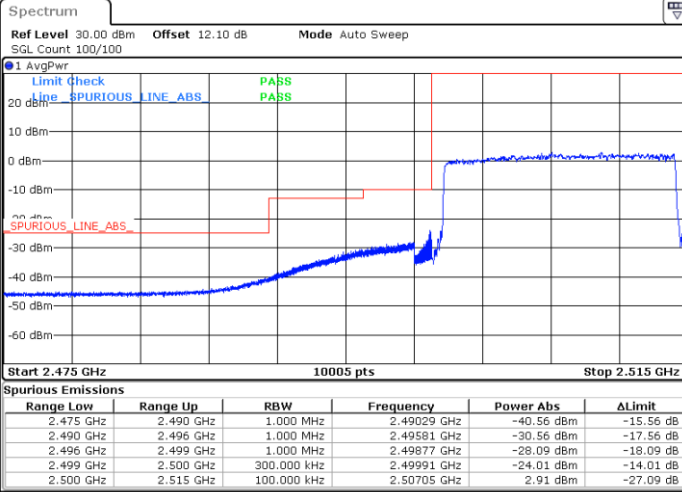


Date: 14.FEB.2023 11:56:59



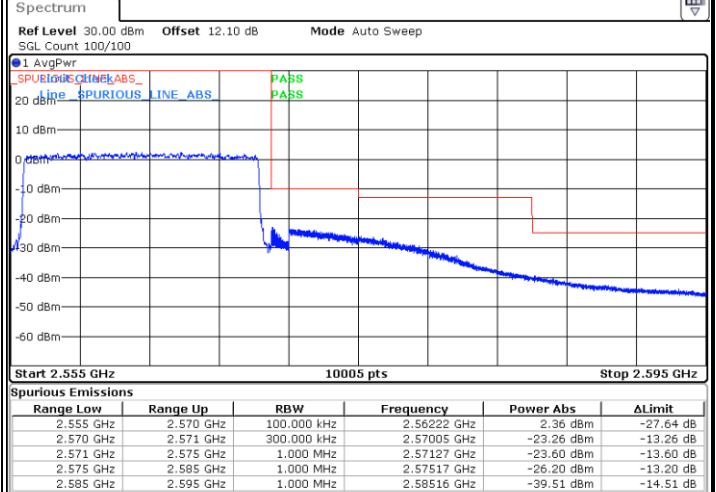
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 14.FEB.2023 11:58:00

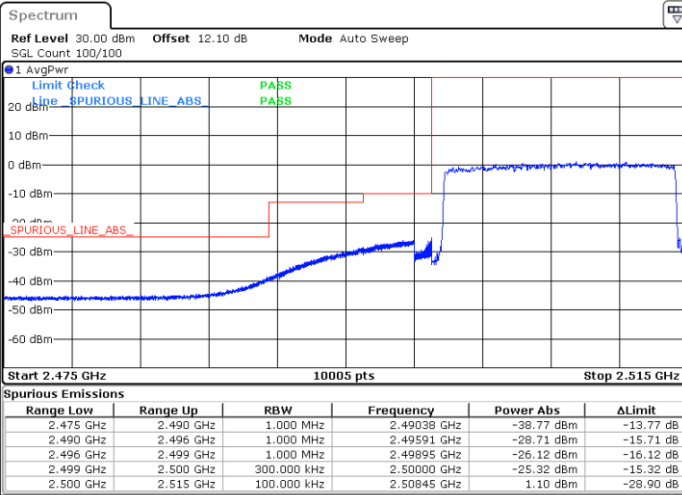
Highest Band Edge / Full RB



Date: 14.FEB.2023 11:59:42

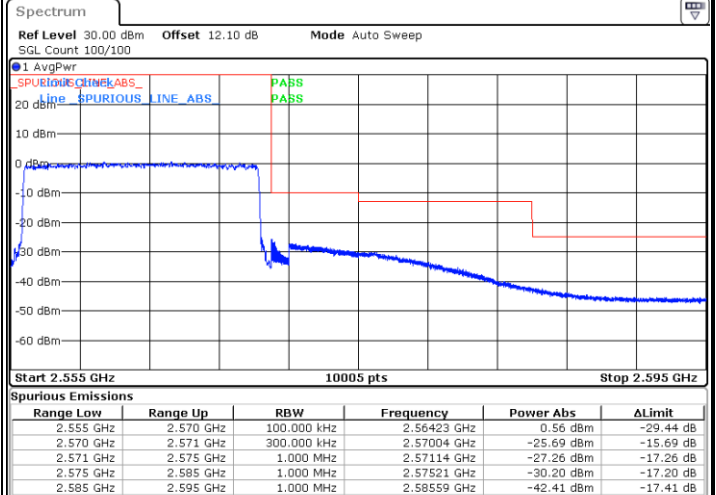
LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 14.FEB.2023 14:11:48

Highest Band Edge / Full RB

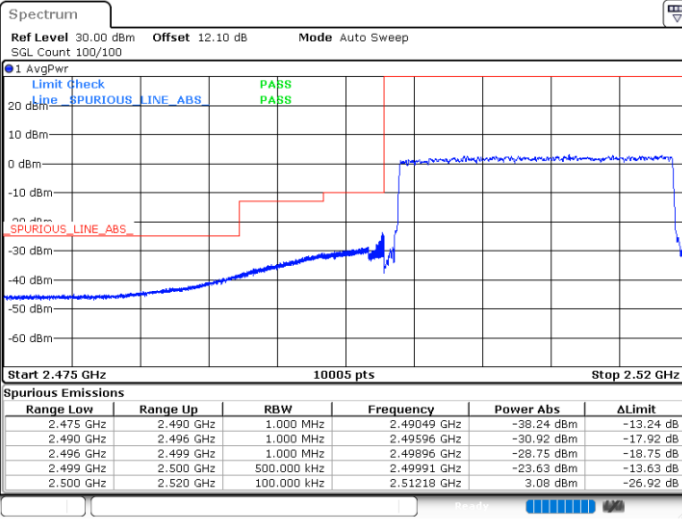


Date: 14.FEB.2023 14:13:29



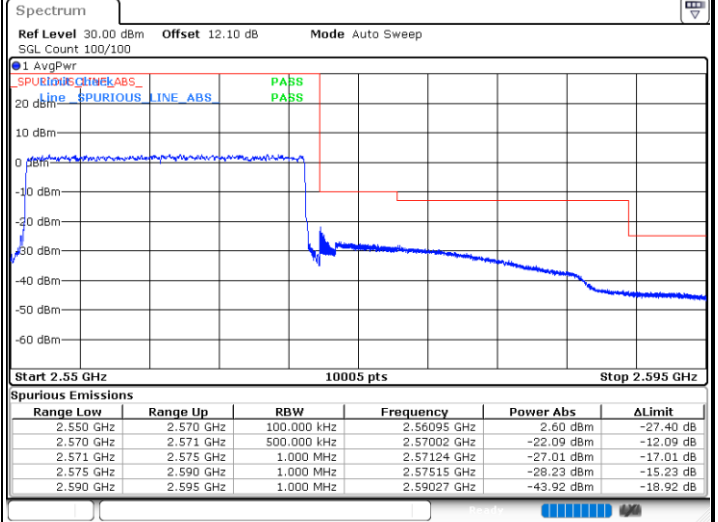
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 14.FEB.2023 12:00:46

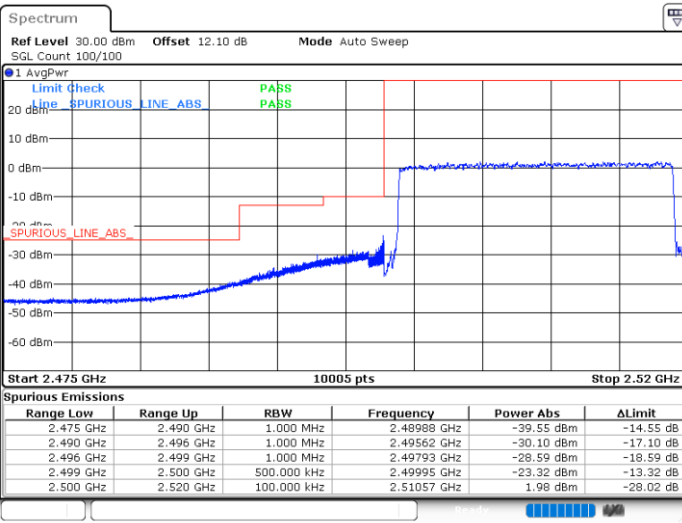
Highest Band Edge / Full RB



Date: 14.FEB.2023 12:05:41

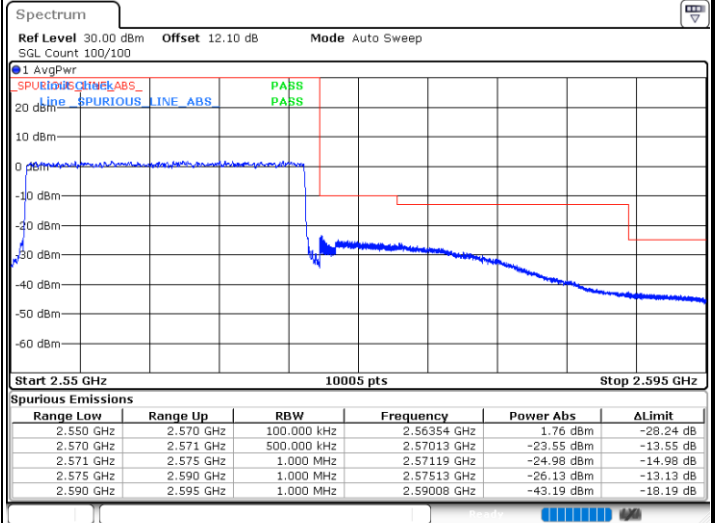
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 14.FEB.2023 12:01:45

Highest Band Edge / Full RB

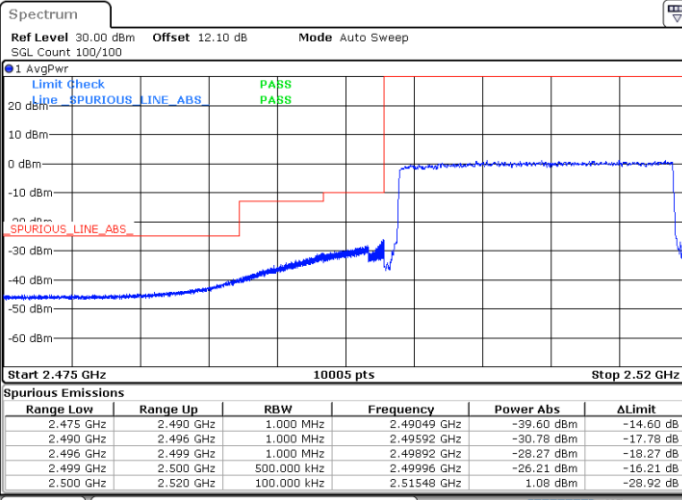


Date: 14.FEB.2023 12:04:42



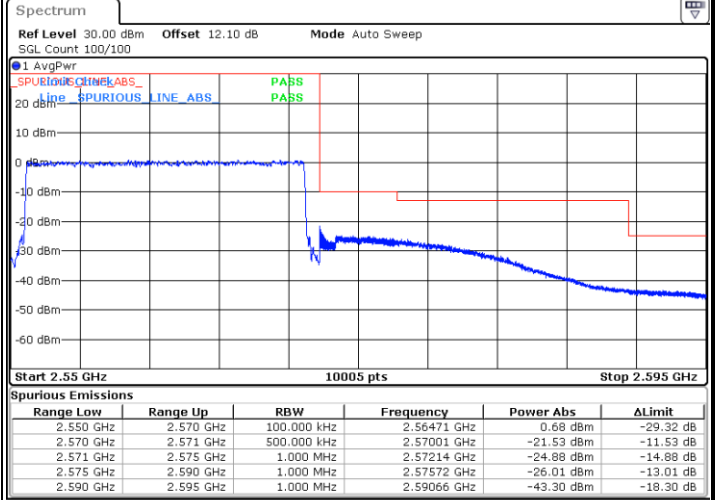
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 14.FEB.2023 12:06:40

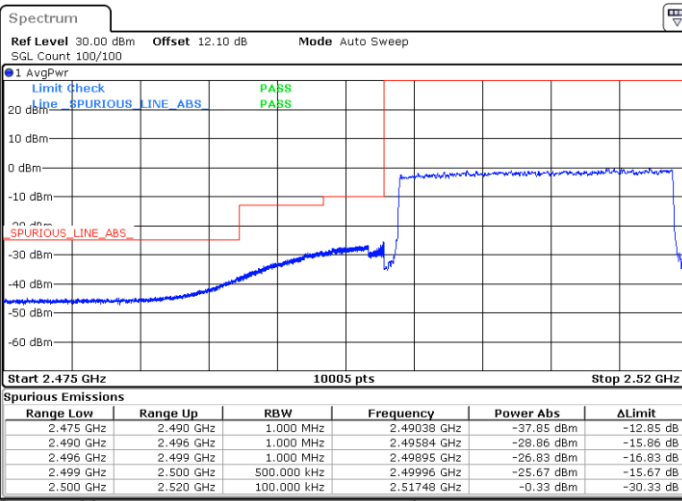
Highest Band Edge / Full RB



Date: 14.FEB.2023 12:08:22

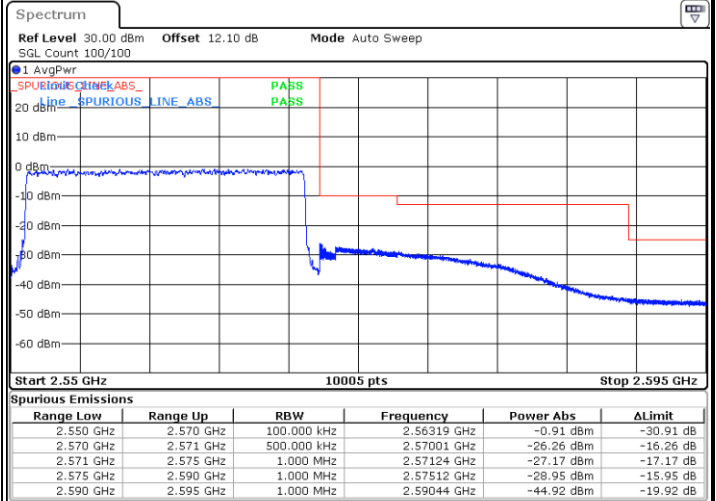
LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 14.FEB.2023 14:14:34

Highest Band Edge / Full RB



Date: 14.FEB.2023 14:16:16

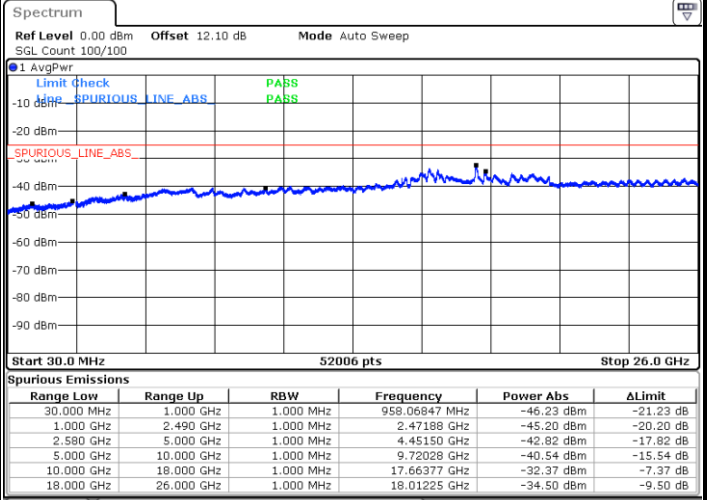
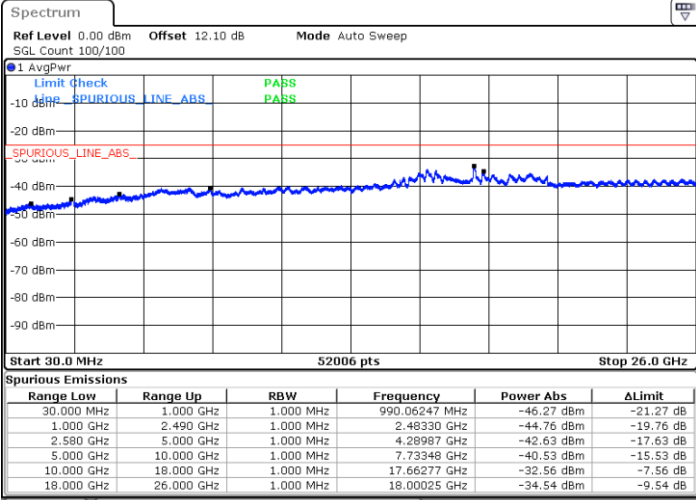




LTE Band 7 / 10MHz

Lowest Channel / QPSK

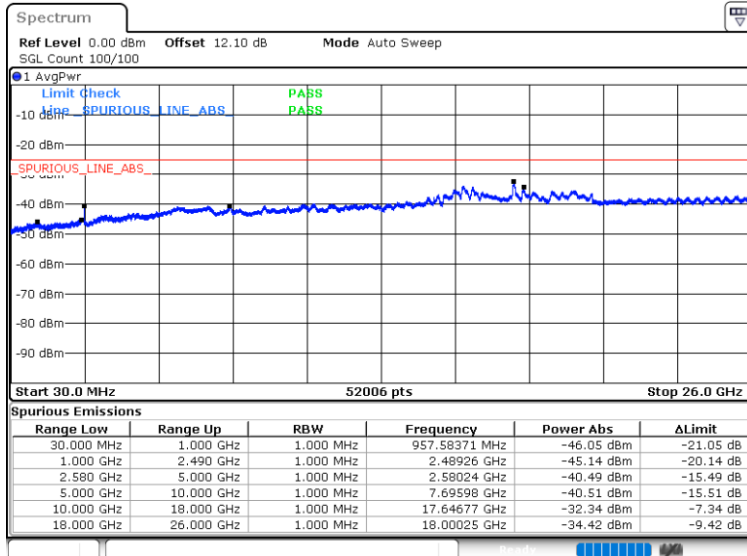
Middle Channel / QPSK



Date: 14.FEB.2023 14:18:10

Date: 14.FEB.2023 14:19:28

Highest Channel / QPSK



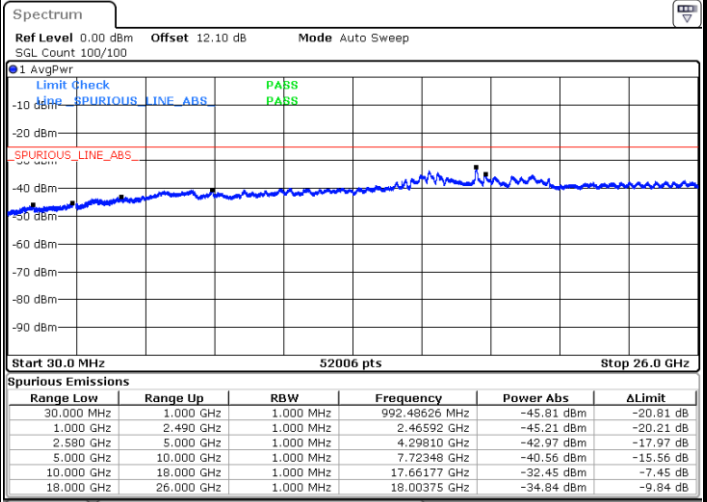
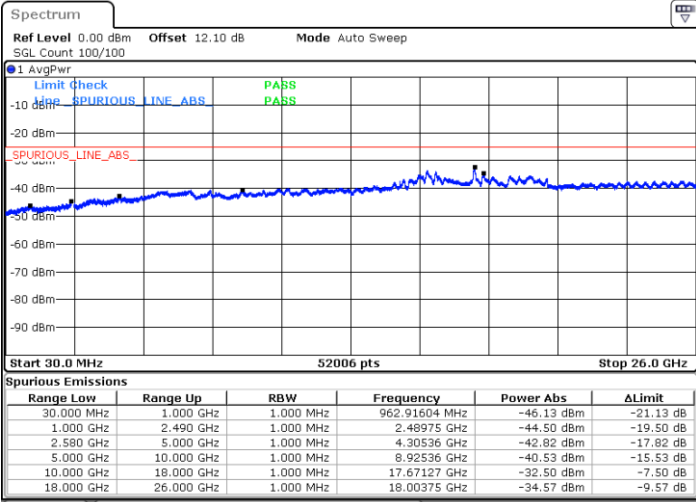
Date: 14.FEB.2023 14:20:46



LTE Band 7 / 15MHz

Lowest Channel / QPSK

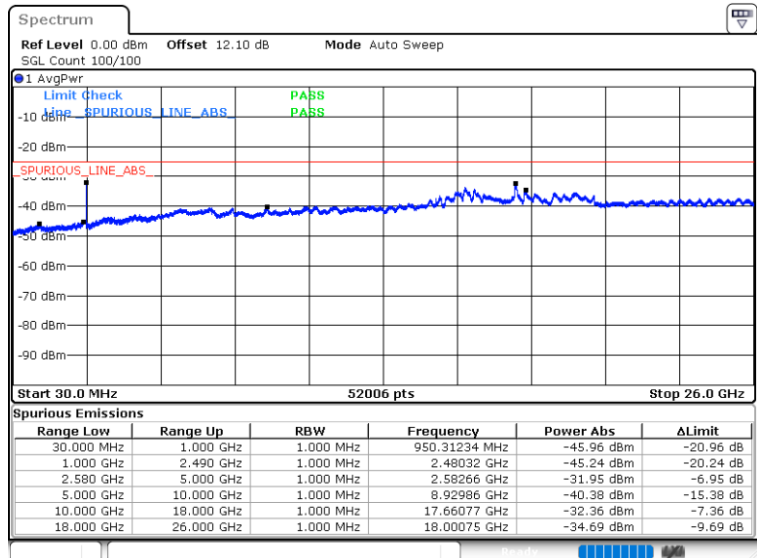
Middle Channel / QPSK



Date: 14.FEB.2023 14:22:10

Date: 14.FEB.2023 14:23:28

Highest Channel / QPSK



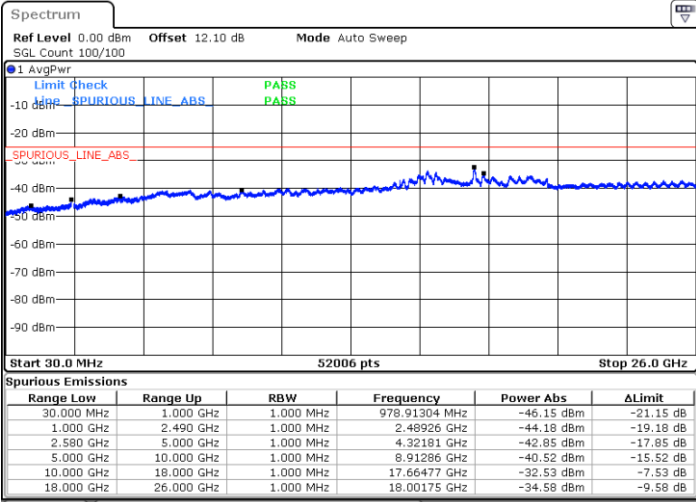
Date: 14.FEB.2023 14:24:45



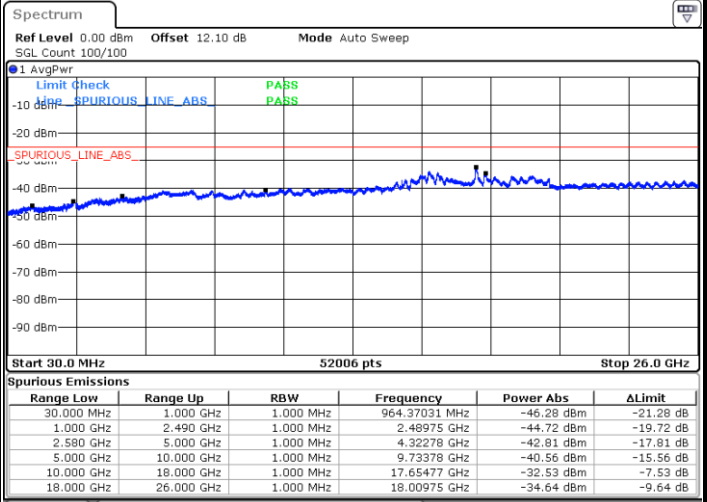
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

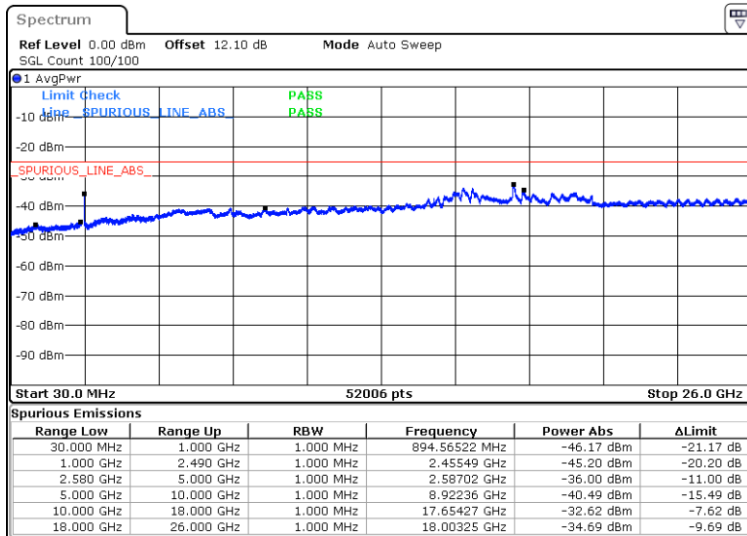


Date: 14.FEB.2023 14:26:08



Date: 14.FEB.2023 14:27:25

Highest Channel / QPSK



Date: 14.FEB.2023 14:28:42





Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0051	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0069	
0	Normal Voltage	0.0058	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0066	

Note:

1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 7C

## 26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.91	25.23	30.99	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	35.25	39.72	

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.03	25.38	31.11	35.04
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.15	34.97	39.88	

Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.09	25.52	30.87	35.11
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.51	34.97	39.88	

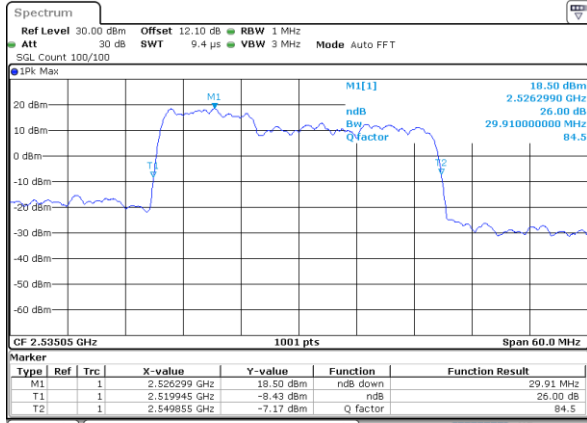
Mode	LTE Band 7C : 26dB BW(MHz)			
256QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	30.09	25.33	30.99	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	34.90	39.80	



LTE Band 7C

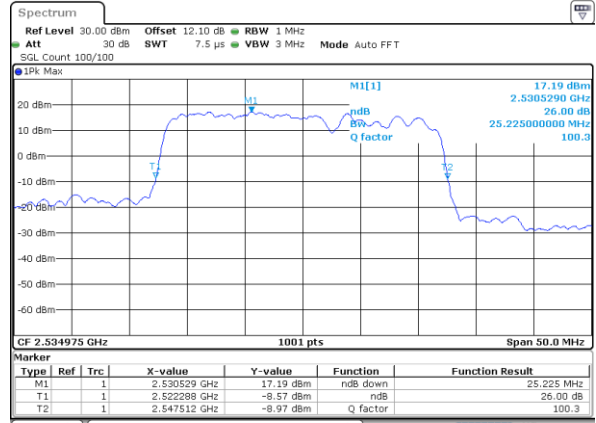
QPSK

Middle Channel / 10MHz+20MHz



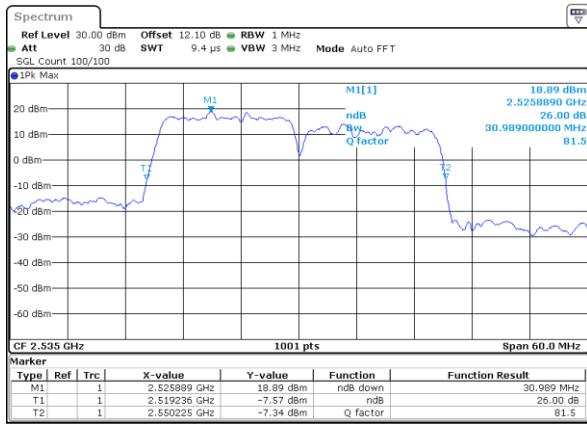
Date: 14.FEB.2023 02:34:16

Middle Channel / 15MHz+10MHz



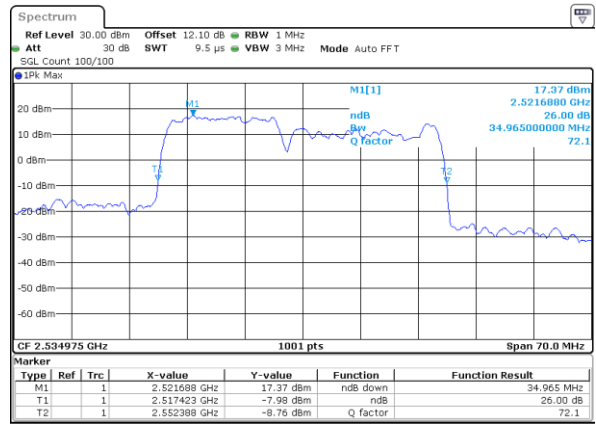
Date: 14.FEB.2023 09:13:26

Middle Channel / 15MHz+15MHz



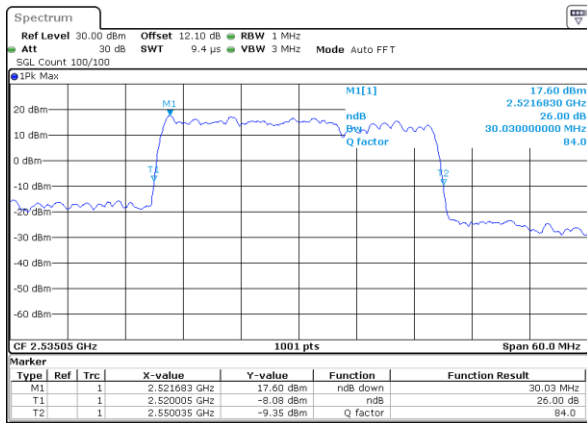
Date: 14.FEB.2023 04:05:41

Middle Channel / 15MHz+20MHz



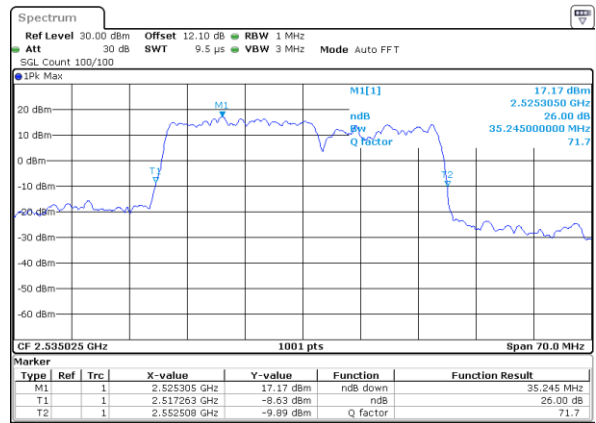
Date: 14.FEB.2023 04:53:29

Middle Channel / 20MHz+10MHz



Date: 14.FEB.2023 03:22:13

Middle Channel / 20MHz+15MHz



Date: 14.FEB.2023 05:43:54

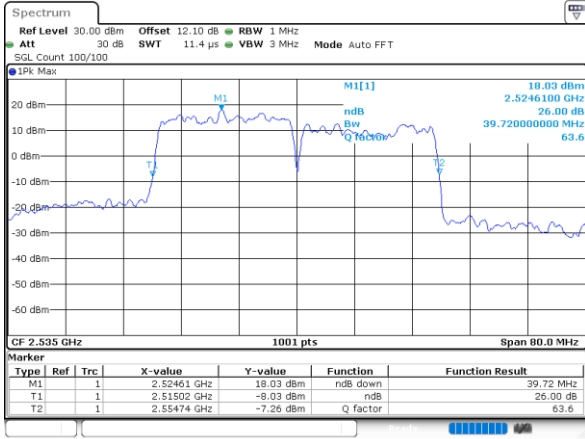


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A

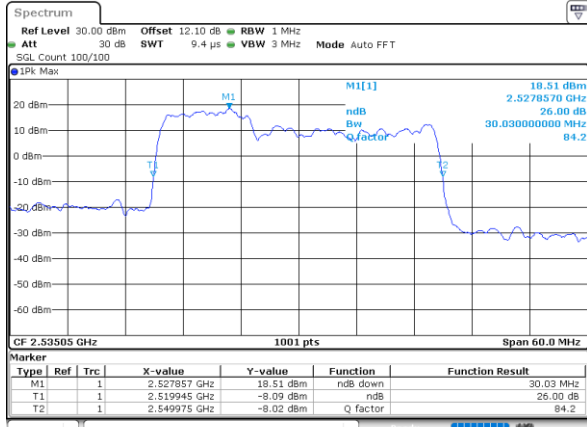




LTE Band 7C

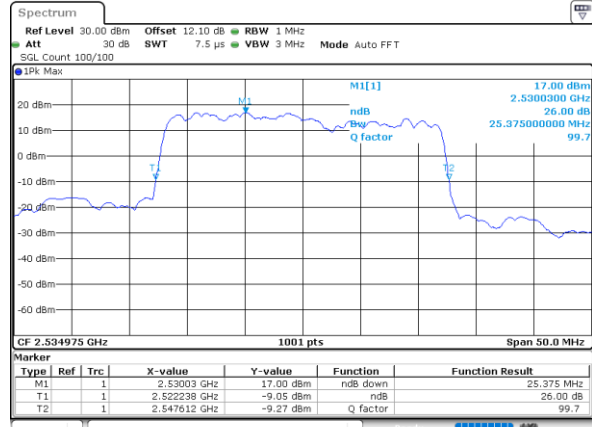
16QAM

Middle Channel / 10MHz+20MHz



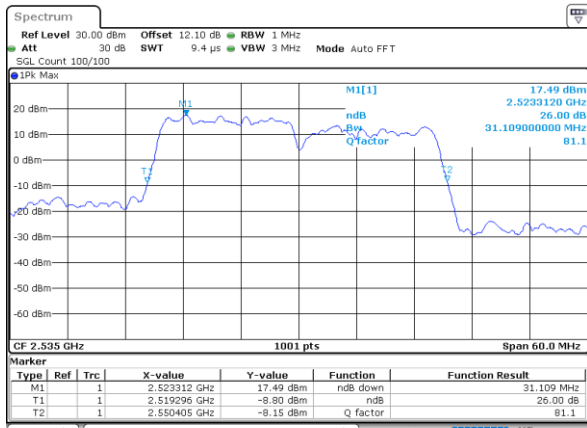
Date: 14.FEB.2023 02:33:40

Middle Channel / 15MHz+10MHz



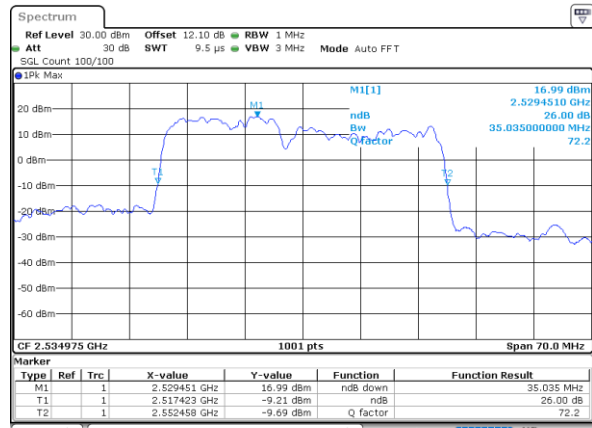
Date: 14.FEB.2023 09:12:49

Middle Channel / 15MHz+15MHz



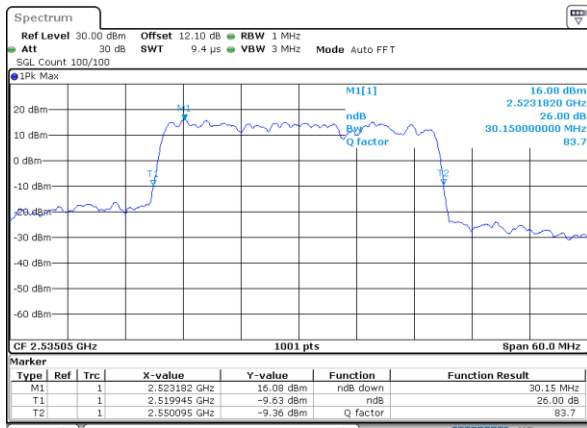
Date: 14.FEB.2023 04:05:09

Middle Channel / 15MHz+20MHz



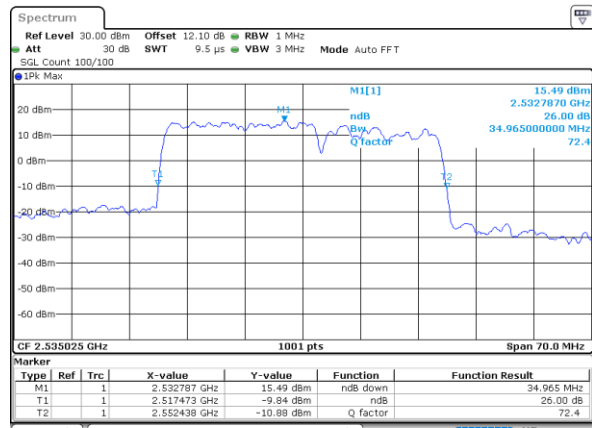
Date: 14.FEB.2023 04:52:53

Middle Channel / 20MHz+10MHz



Date: 14.FEB.2023 03:21:37

Middle Channel / 20MHz+15MHz



Date: 14.FEB.2023 05:43:17

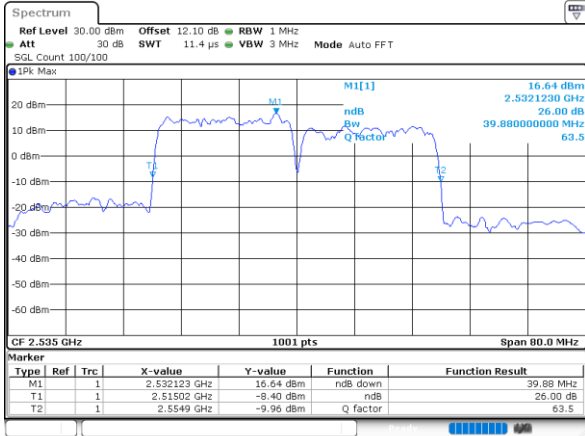


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



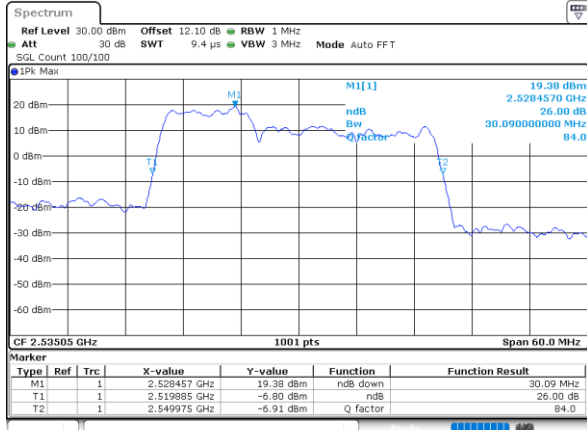
Date: 14.FEB.2023 09:24:50



LTE Band 7C

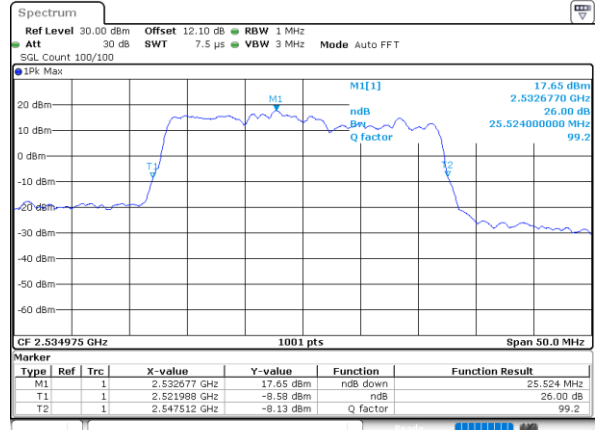
64QAM

Middle Channel / 10MHz+20MHz



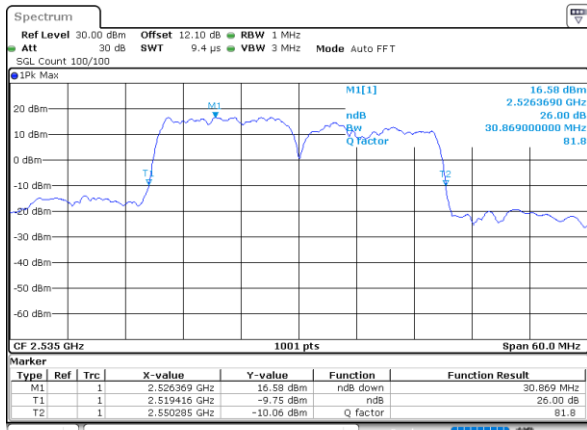
Date: 14.FEB.2023 02:13:02

Middle Channel / 15MHz+10MHz



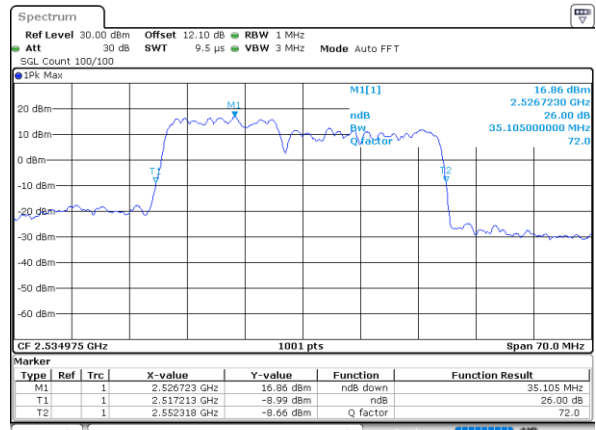
Date: 14.FEB.2023 09:12:12

Middle Channel / 15MHz+15MHz



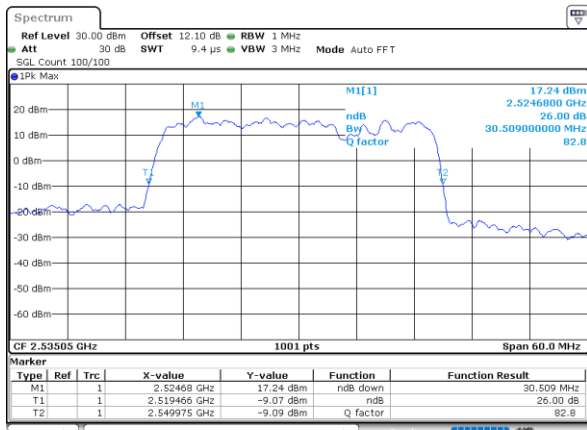
Date: 14.FEB.2023 04:04:37

Middle Channel / 15MHz+20MHz



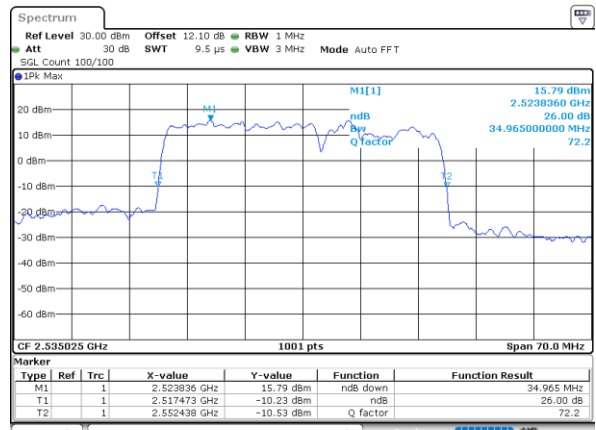
Date: 14.FEB.2023 04:52:16

Middle Channel / 20MHz+10MHz



Date: 14.FEB.2023 03:21:00

Middle Channel / 20MHz+15MHz



Date: 14.FEB.2023 05:42:40

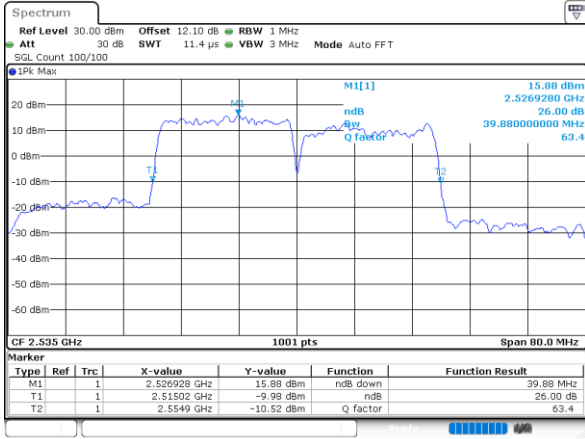


LTE Band 7C

64QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 14.FEB.2023 09:24:27

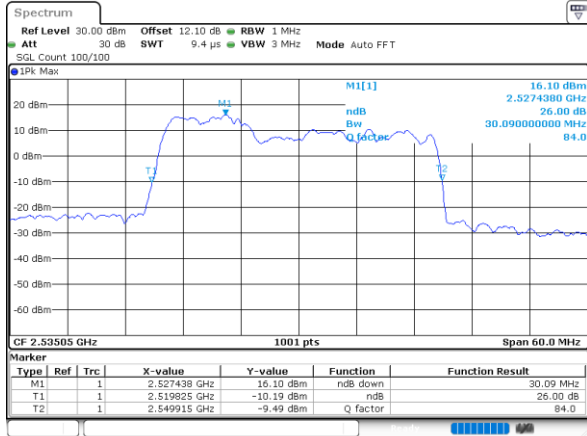




LTE Band 7C

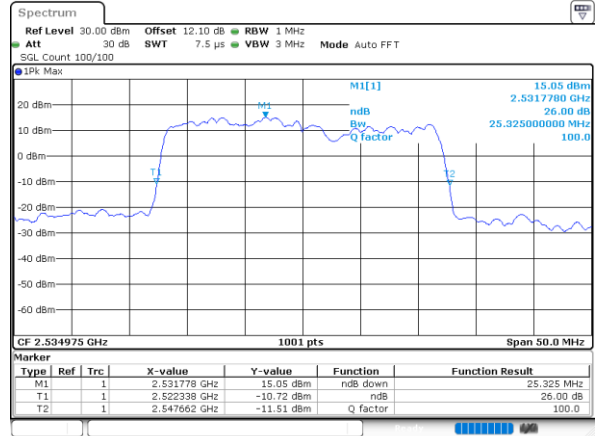
256QAM

Middle Channel / 10MHz+20MHz



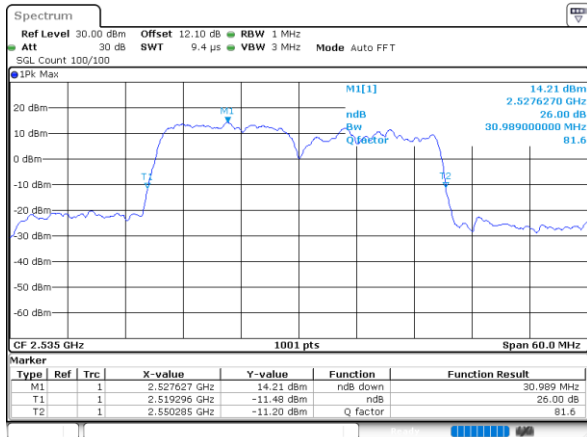
Date: 14.FEB.2023 09:29:39

Middle Channel / 15MHz+10MHz



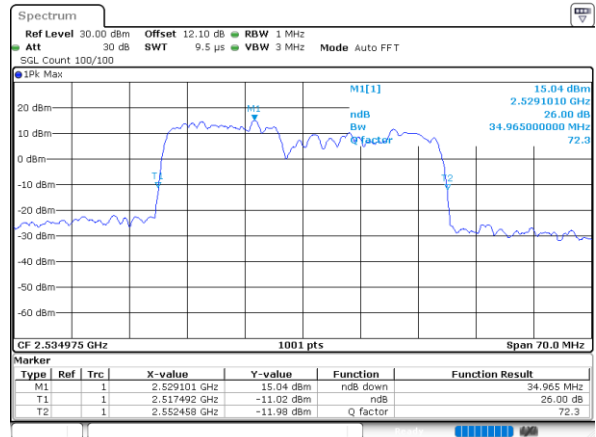
Date: 14.FEB.2023 10:47:03

Middle Channel / 15MHz+15MHz



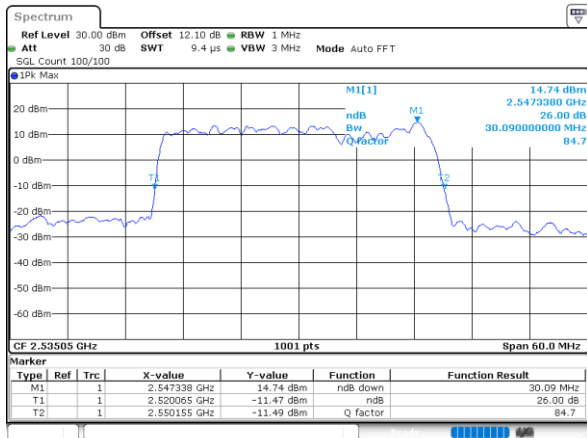
Date: 14.FEB.2023 09:55:00

Middle Channel / 15MHz+20MHz



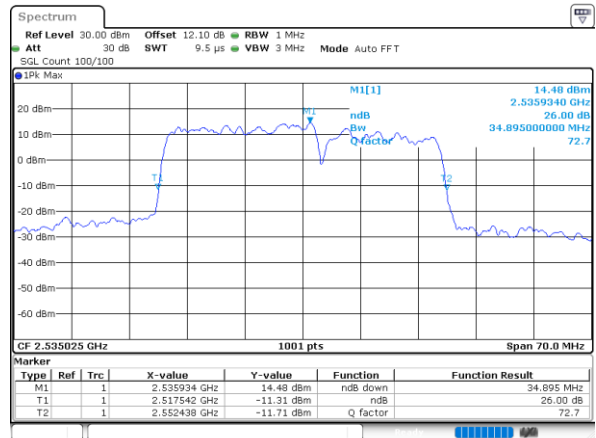
Date: 14.FEB.2023 10:08:17

Middle Channel / 20MHz+10MHz



Date: 14.FEB.2023 09:42:59

Middle Channel / 20MHz+15MHz



Date: 14.FEB.2023 10:21:43

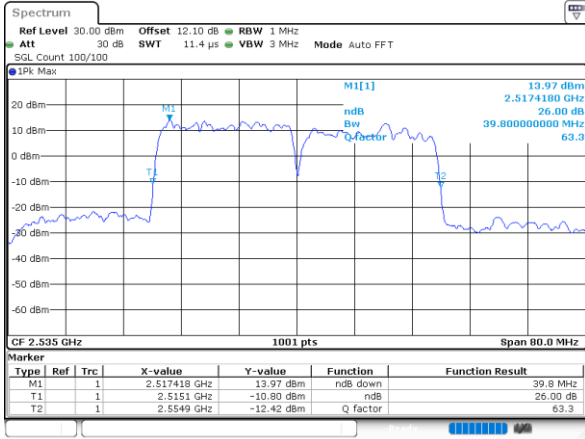


LTE Band 7C

256QAM

Middle Channel / 20MHz+20MHz

N/A





### Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.81	23.43	28.41	32.59
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.87	37.88	

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.87	23.48	28.89	32.80
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.87	32.66	37.48	

Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.81	23.48	28.77	32.73
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.17	32.80	37.72	

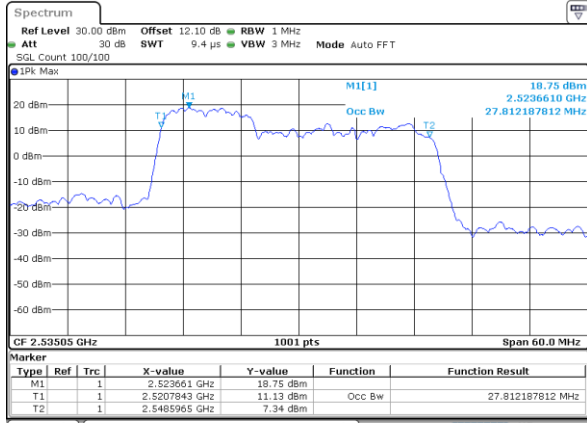
Mode	LTE Band 7C : 99%OBW(MHz)			
256QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.75	23.48	28.47	33.15
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.93	33.15	37.72	



LTE Band 7C

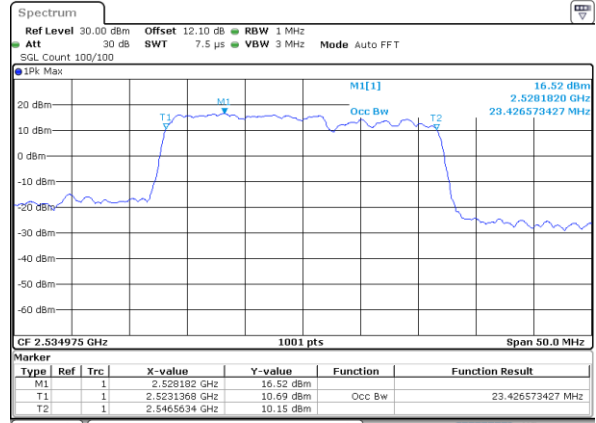
QPSK

Middle Channel / 10MHz+20MHz



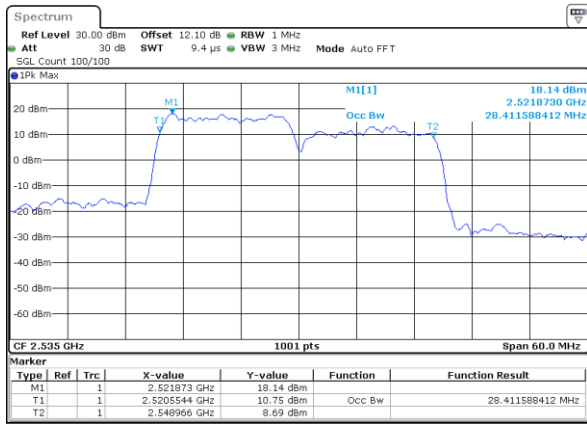
Date: 14.FEB.2023 02:27:20

Middle Channel / 15MHz+10MHz



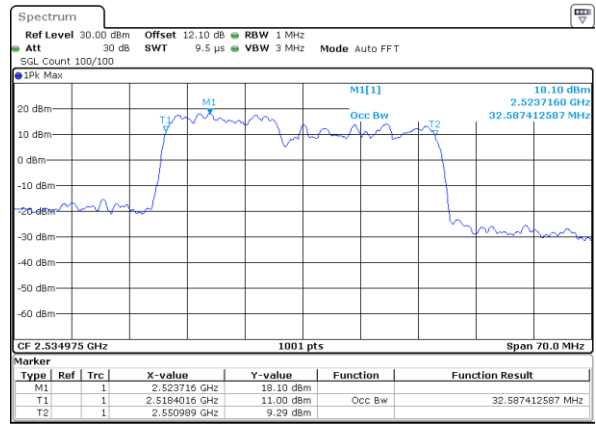
Date: 14.FEB.2023 09:06:42

Middle Channel / 15MHz+15MHz



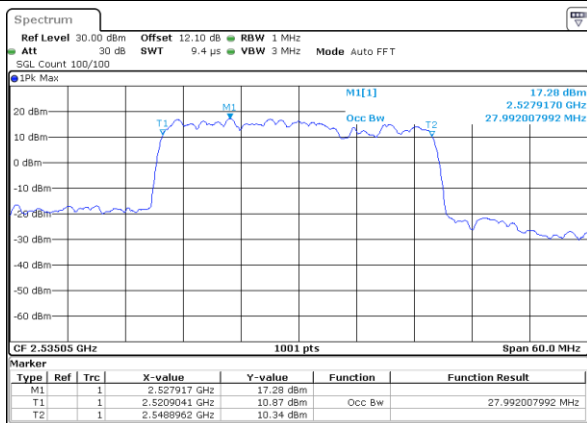
Date: 14.FEB.2023 03:59:49

Middle Channel / 15MHz+20MHz



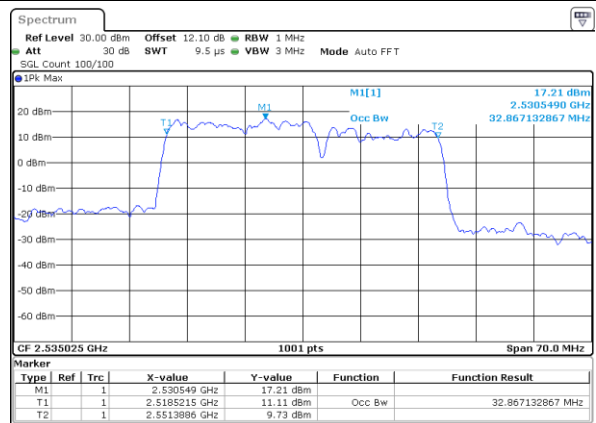
Date: 14.FEB.2023 04:46:44

Middle Channel / 20MHz+10MHz



Date: 14.FEB.2023 03:15:31

Middle Channel / 20MHz+15MHz



Date: 14.FEB.2023 05:37:05

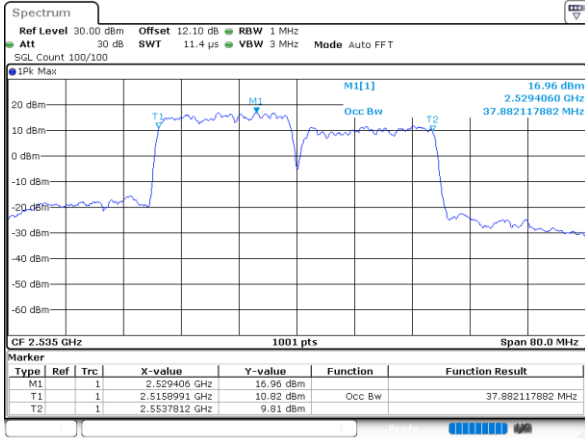


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A

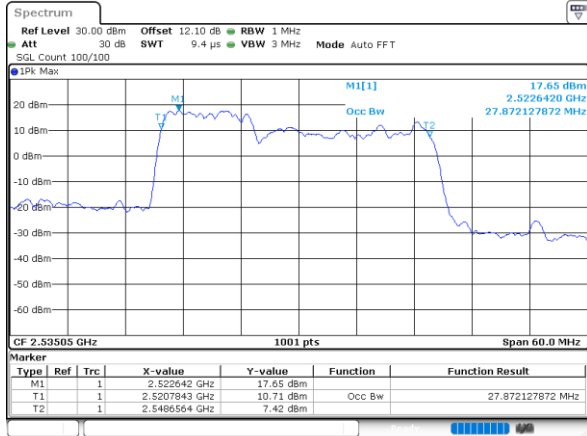




LTE Band 7C

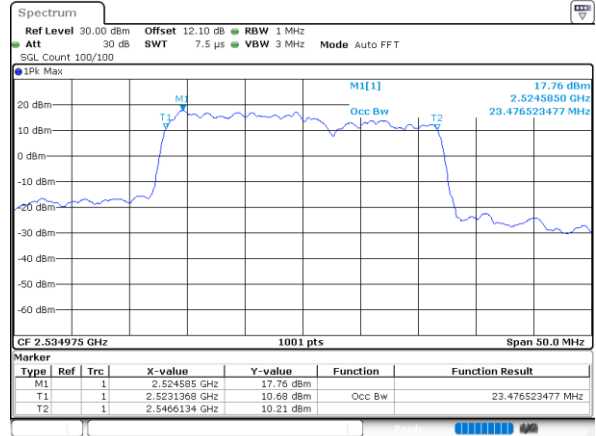
16QAM

Middle Channel / 10MHz+20MHz



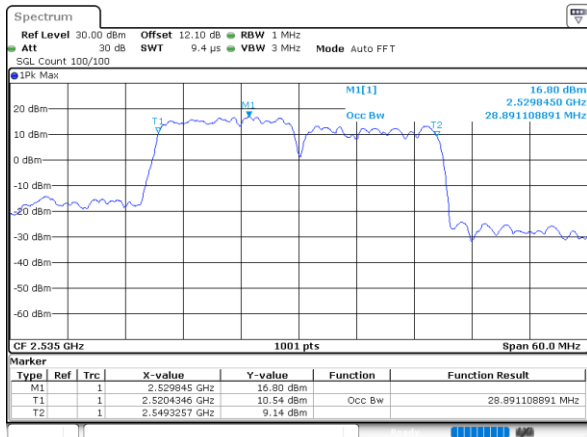
Date: 14.FEB.2023 02:30:36

Middle Channel / 15MHz+10MHz



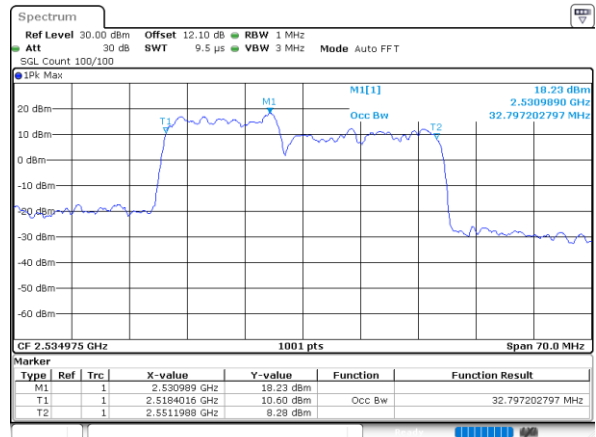
Date: 14.FEB.2023 09:09:45

Middle Channel / 15MHz+15MHz



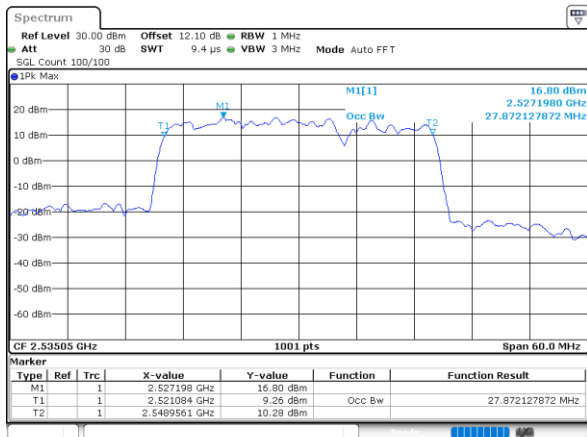
Date: 14.FEB.2023 04:02:29

Middle Channel / 15MHz+20MHz



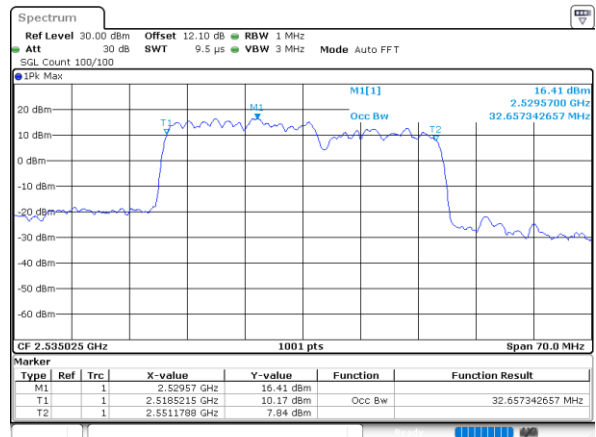
Date: 14.FEB.2023 04:49:48

Middle Channel / 20MHz+10MHz



Date: 14.FEB.2023 03:18:34

Middle Channel / 20MHz+15MHz



Date: 14.FEB.2023 05:40:12

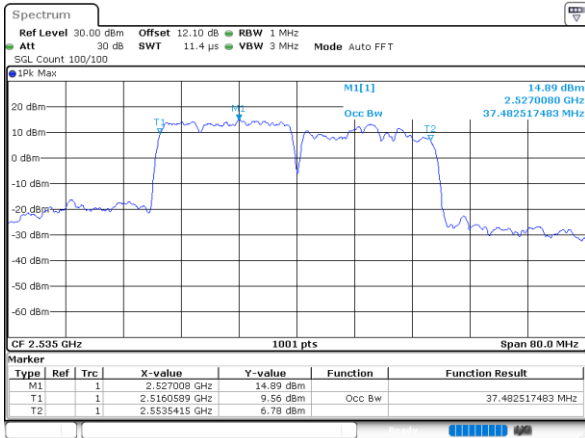


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A

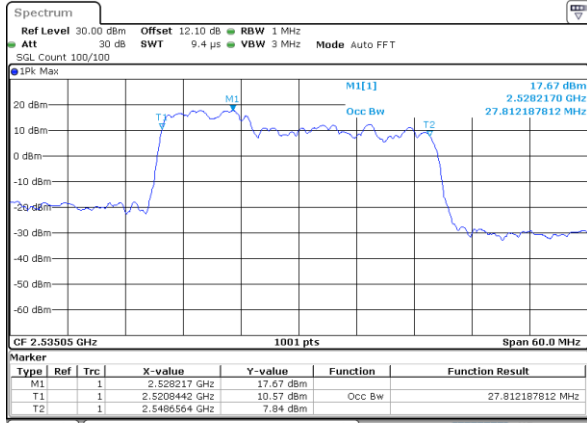




LTE Band 7C

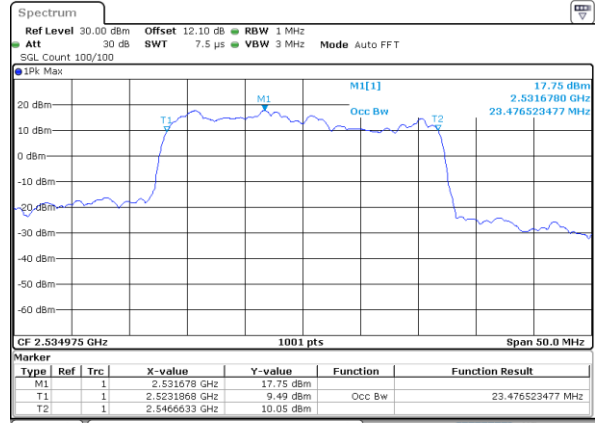
64QAM

Middle Channel / 10MHz+20MHz



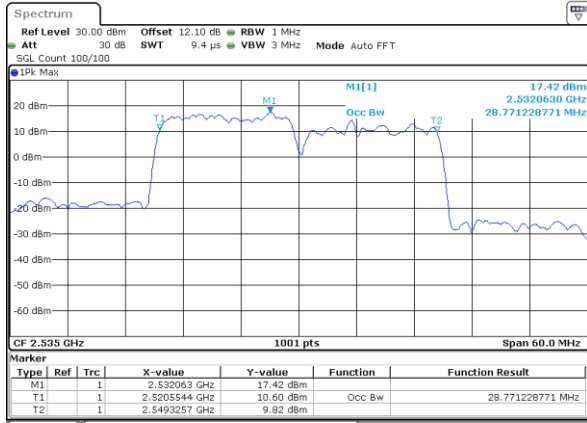
Date: 14.FEB.2023 02:31:12

Middle Channel / 15MHz+10MHz



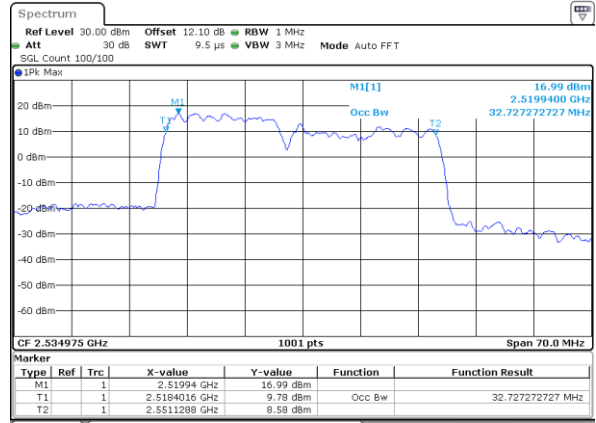
Date: 14.FEB.2023 09:10:21

Middle Channel / 15MHz+15MHz



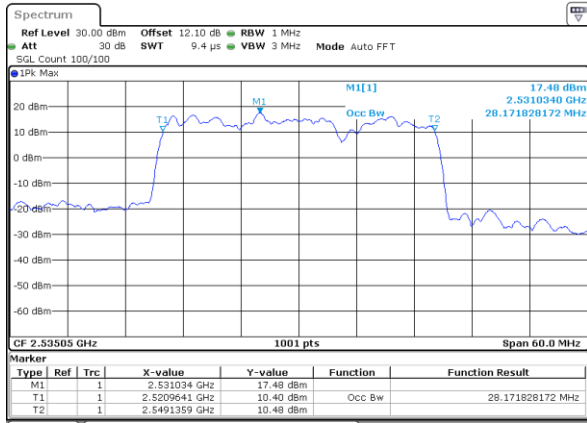
Date: 14.FEB.2023 04:03:01

Middle Channel / 15MHz+20MHz



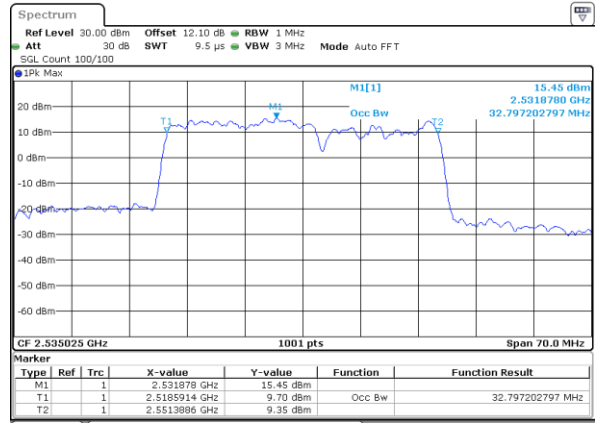
Date: 14.FEB.2023 04:50:24

Middle Channel / 20MHz+10MHz



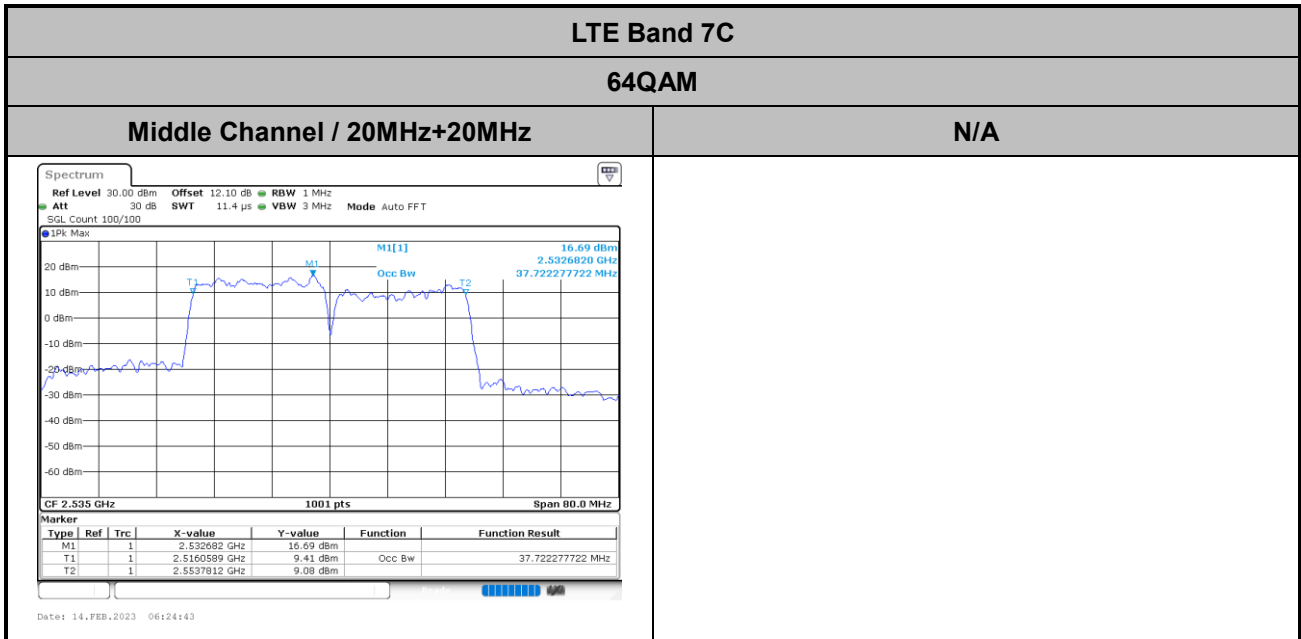
Date: 14.FEB.2023 03:19:10

Middle Channel / 20MHz+15MHz



Date: 14.FEB.2023 05:40:48



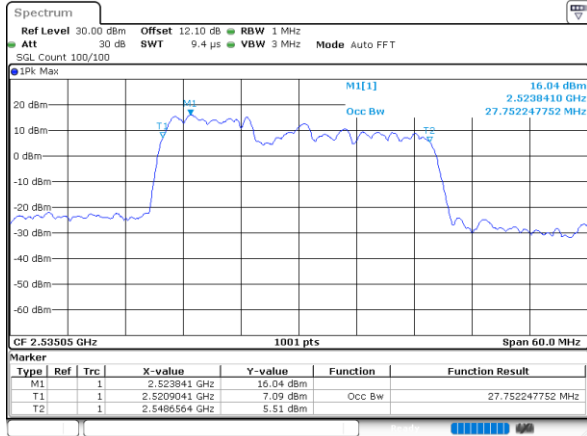




LTE Band 7C

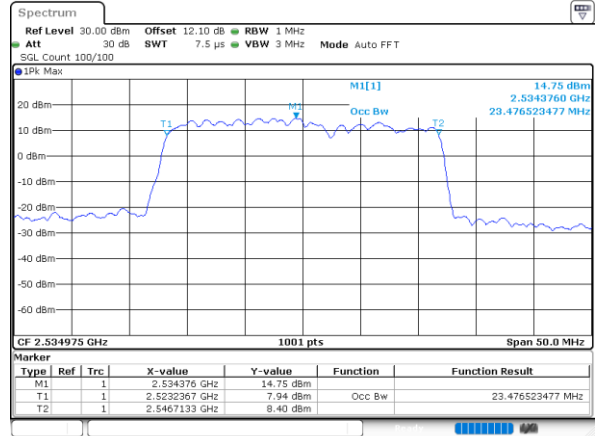
256QAM

Middle Channel / 10MHz+20MHz



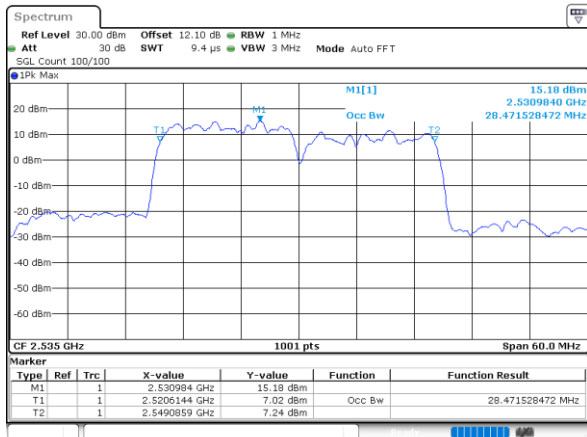
Date: 14.FEB.2023 09:27:47

Middle Channel / 15MHz+10MHz



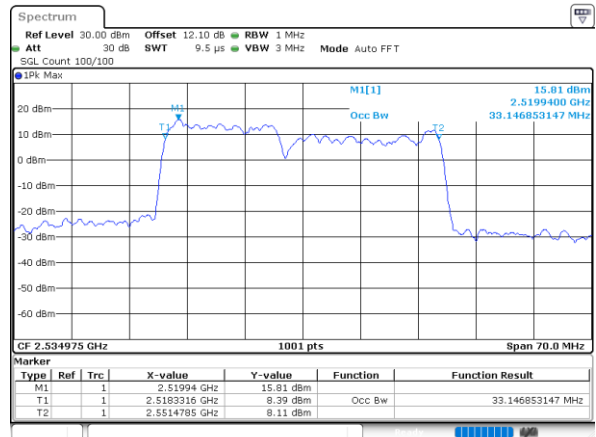
Date: 14.FEB.2023 10:45:10

Middle Channel / 15MHz+15MHz



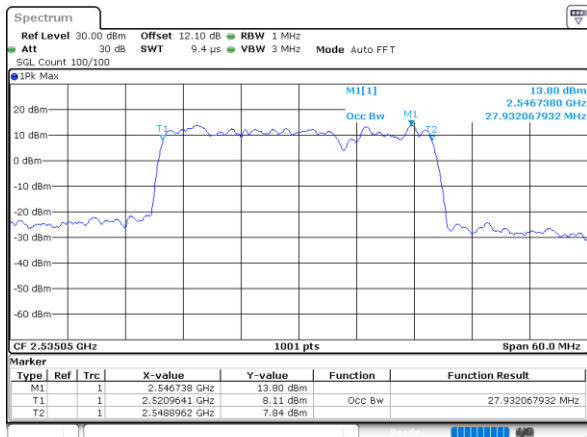
Date: 14.FEB.2023 09:53:23

Middle Channel / 15MHz+20MHz



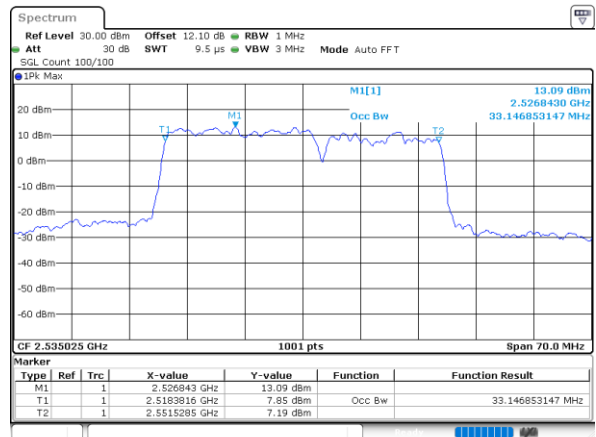
Date: 14.FEB.2023 10:06:27

Middle Channel / 20MHz+10MHz



Date: 14.FEB.2023 09:41:09

Middle Channel / 20MHz+15MHz



Date: 14.FEB.2023 10:19:51

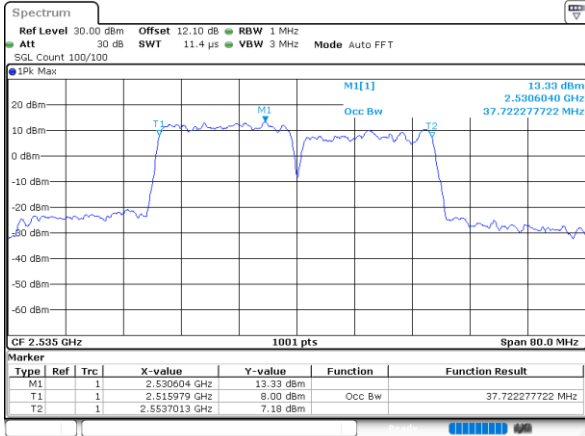


LTE Band 7C

256QAM

Middle Channel / 20MHz+20MHz

N/A



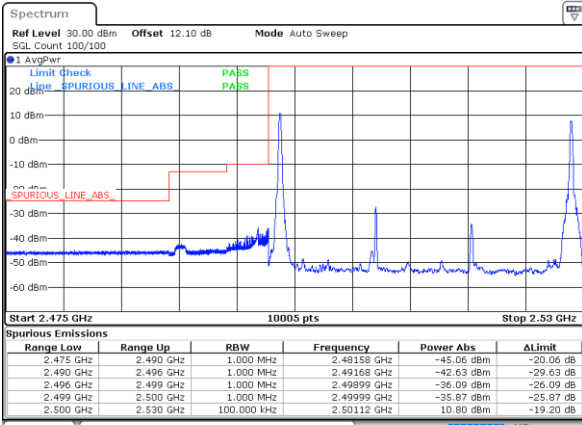


# Conducted Band Edge

## LTE Band 7C / 10MHz+20MHz

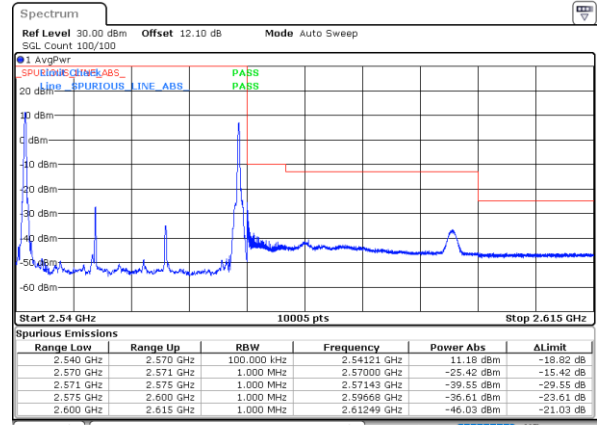
### QPSK

#### Lowest Band Edge / 1RB0 and 1RB99



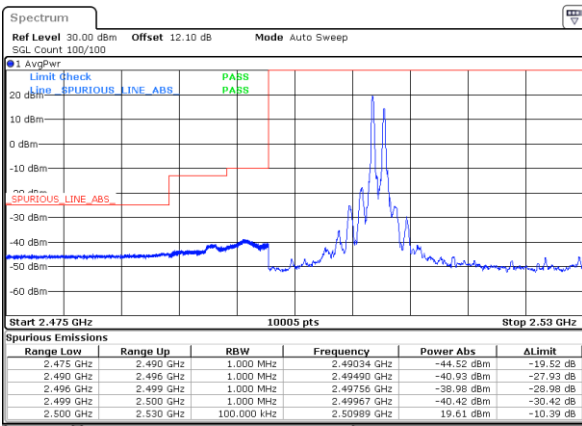
Date: 14.FEB.2023 02:20:26

#### Highest Band Edge / 1RB0 and 1RB99



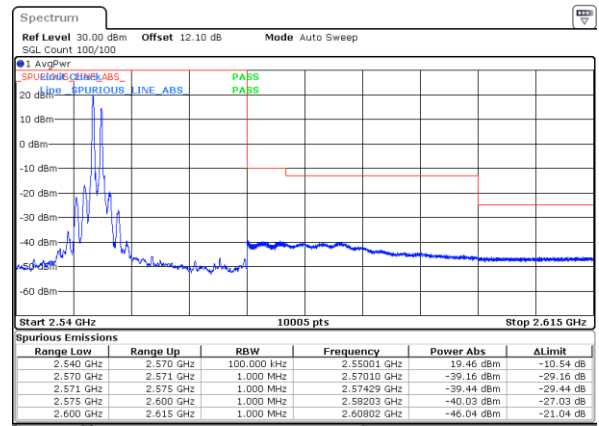
Date: 14.FEB.2023 01:57:53

#### Lowest Band Edge / 1RB49 and 1RB0



Date: 14.FEB.2023 02:21:33

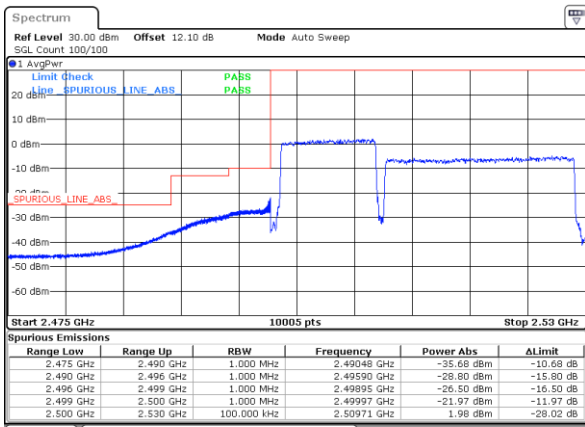
#### Highest Band Edge / 1RB49 and 1RB0



Date: 14.FEB.2023 02:03:25

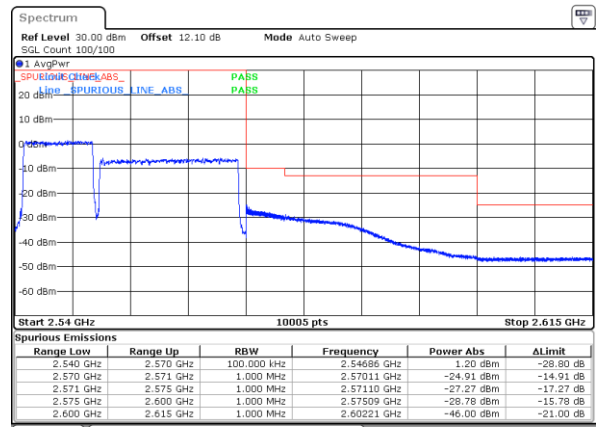


Lowest Band Edge / Full RB



Date: 14.FEB.2023 02:14:52

Highest Band Edge / Full RB



Date: 14.FEB.2023 01:56:47

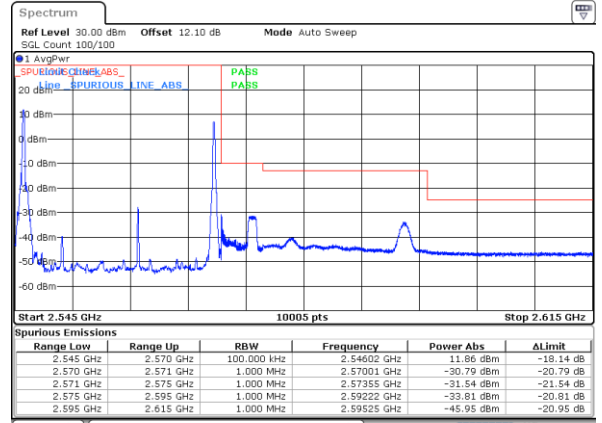
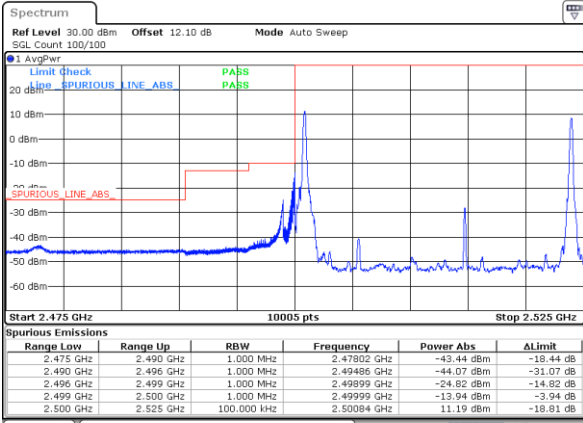


LTE Band 7C / 15MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

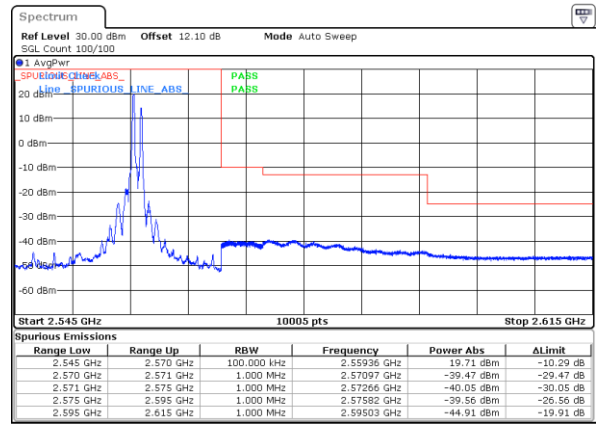
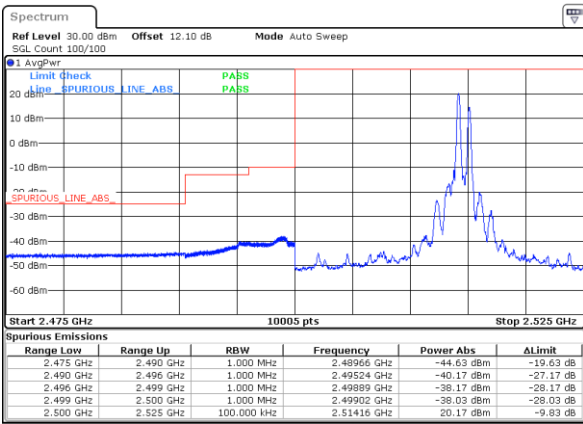


Date: 14.FEB.2023 09:15:32

Date: 14.FEB.2023 09:18:16

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

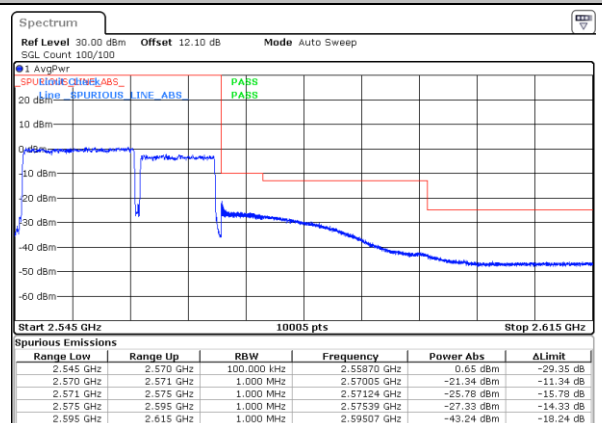
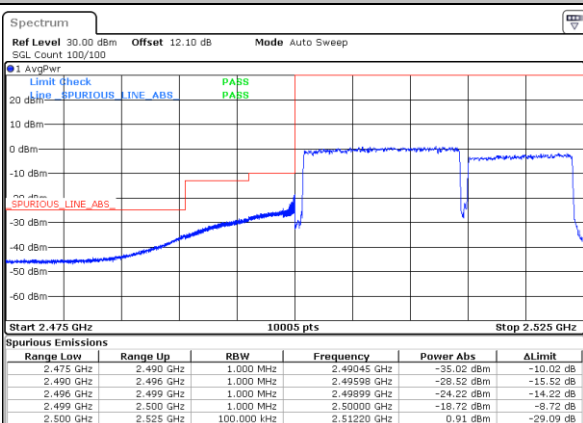


Date: 14.FEB.2023 09:00:40

Date: 14.FEB.2023 09:14:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.FEB.2023 09:15:10

Date: 14.FEB.2023 09:17:29

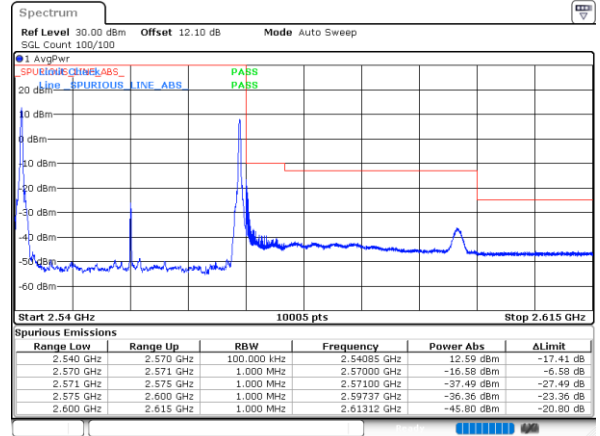
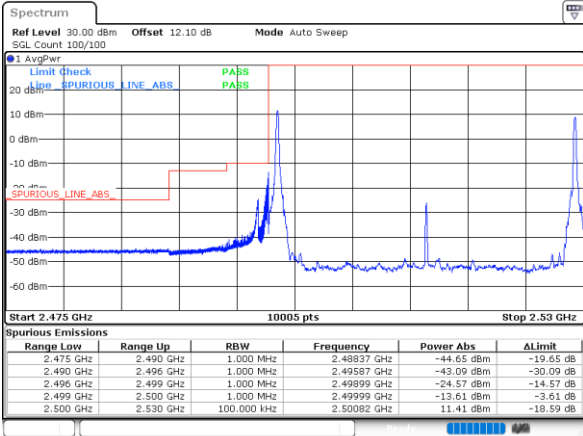


LTE Band 7C / 15MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

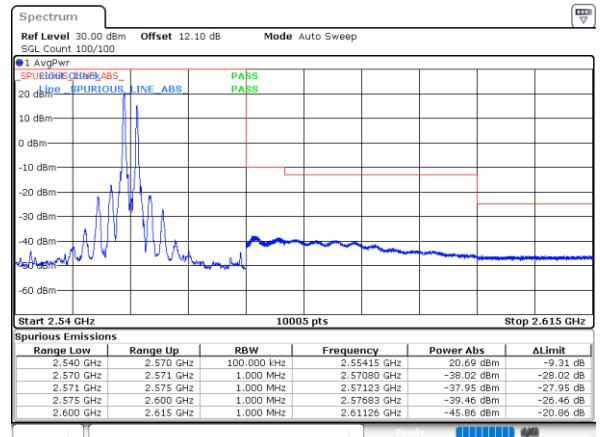
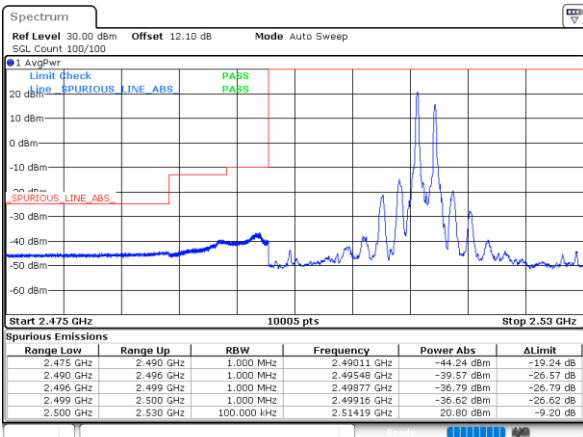


Date: 14.FEB.2023 03:53:15

Date: 14.FEB.2023 03:54:12

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

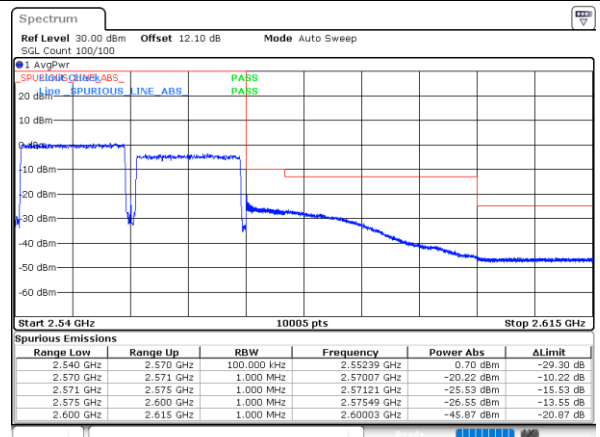
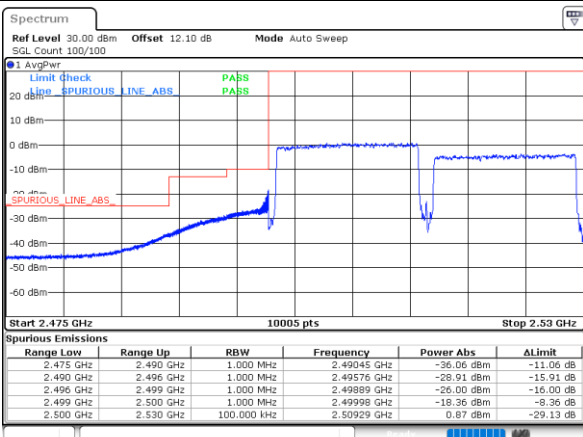


Date: 14.FEB.2023 03:54:18

Date: 14.FEB.2023 03:59:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.FEB.2023 03:48:07

Date: 14.FEB.2023 03:53:08

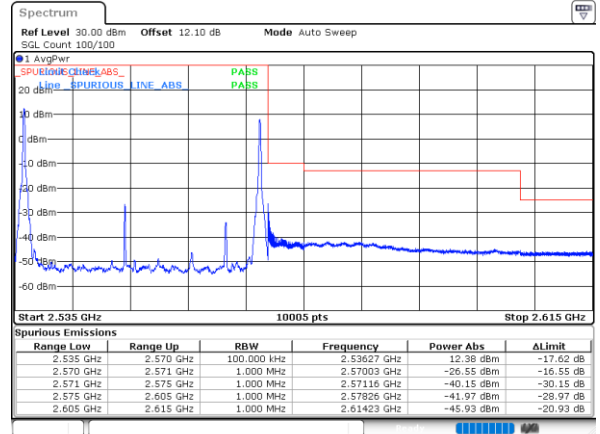
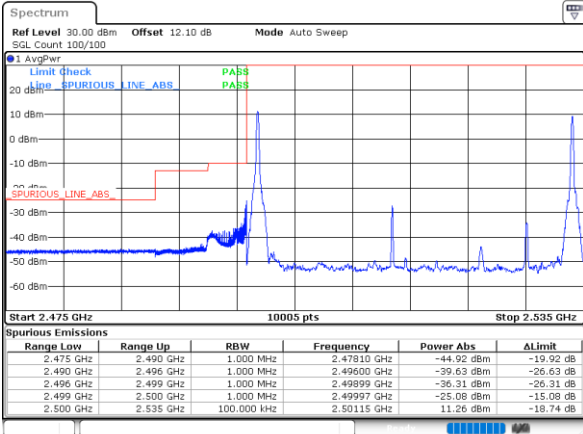


LTE Band 7C / 15MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

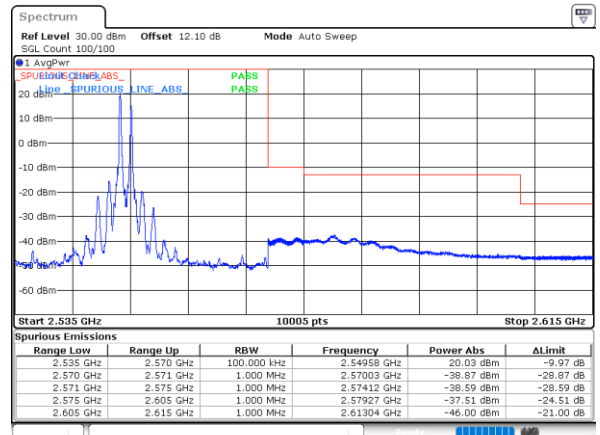
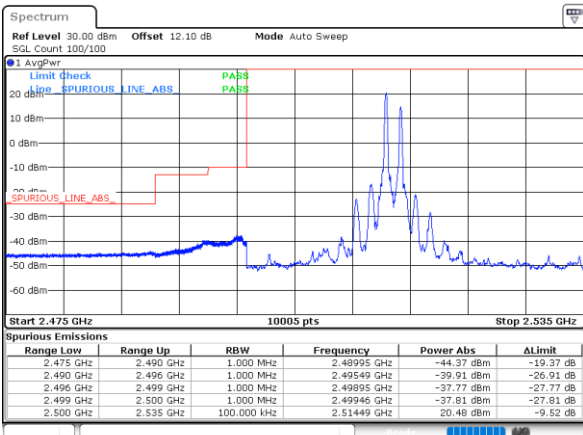


Date: 14.FEB.2023 04:39:14

Date: 14.FEB.2023 04:18:14

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

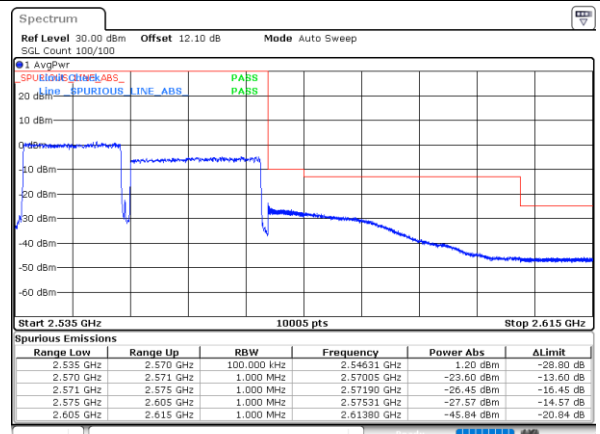
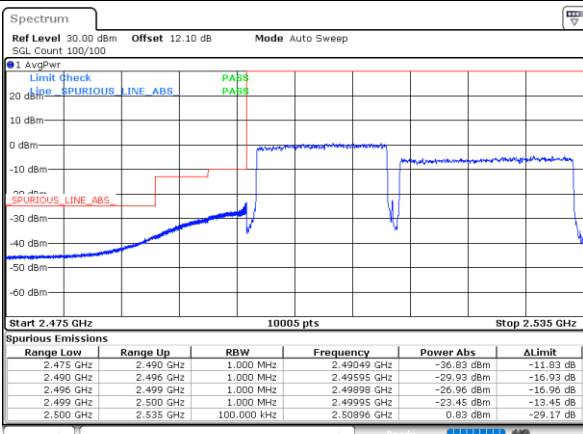


Date: 14.FEB.2023 04:40:41

Date: 14.FEB.2023 04:24:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.FEB.2023 04:34:00

Date: 14.FEB.2023 04:17:28



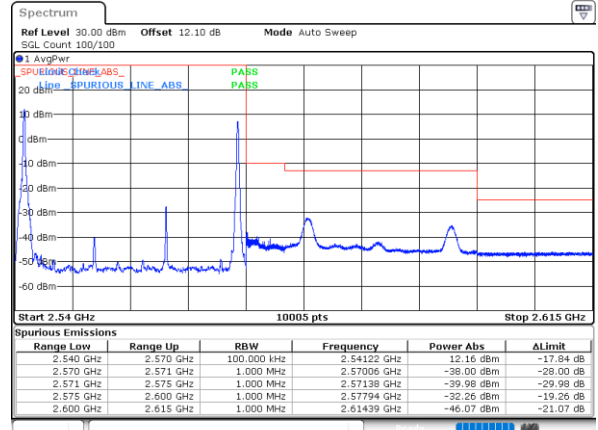
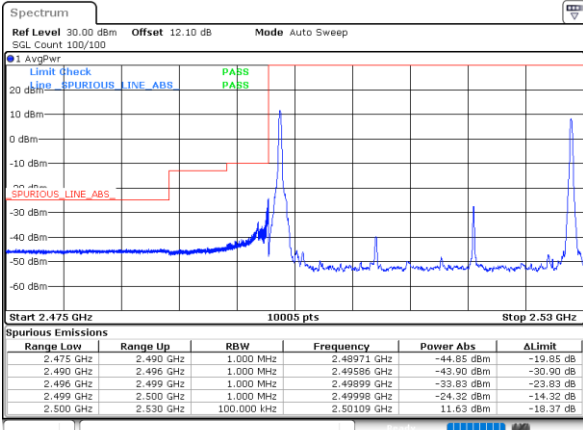


LTE Band 7C / 20MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

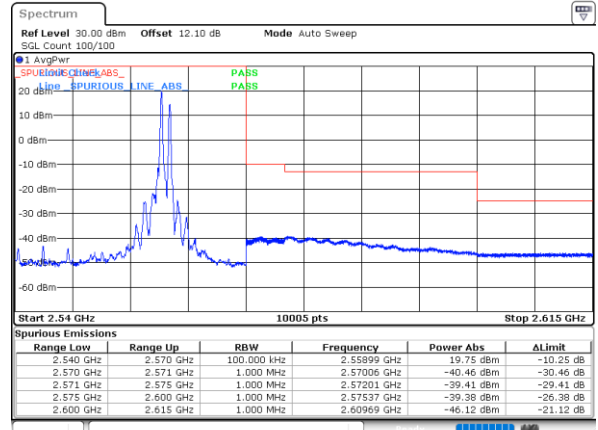
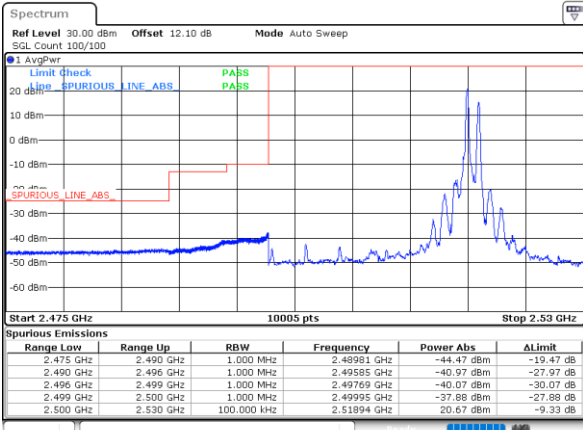


Date: 14.FEB.2023 03:08:28

Date: 14.FEB.2023 02:47:30

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

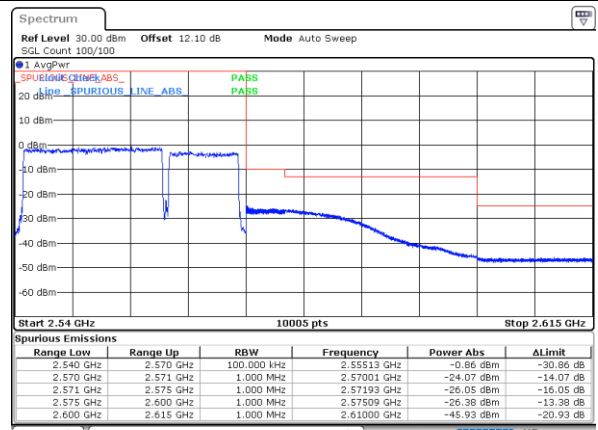
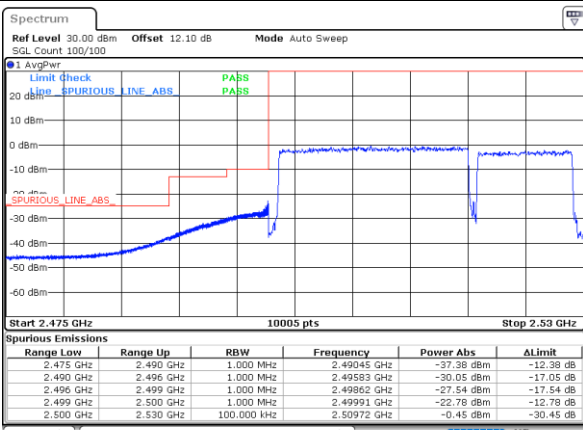


Date: 14.FEB.2023 03:09:34

Date: 14.FEB.2023 02:53:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.FEB.2023 03:02:53

Date: 14.FEB.2023 02:46:21