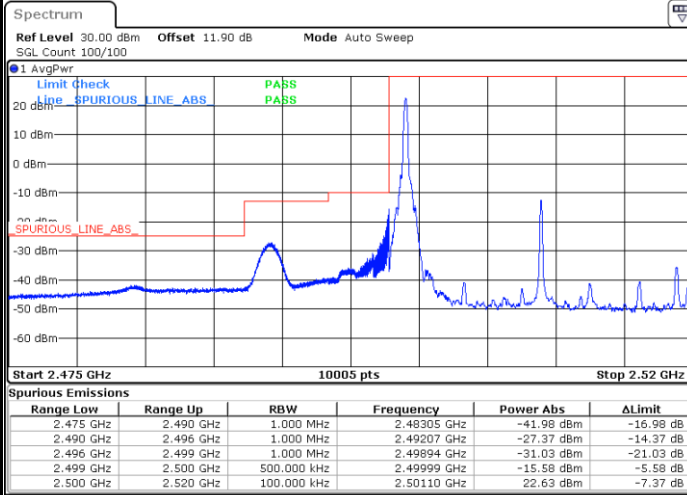




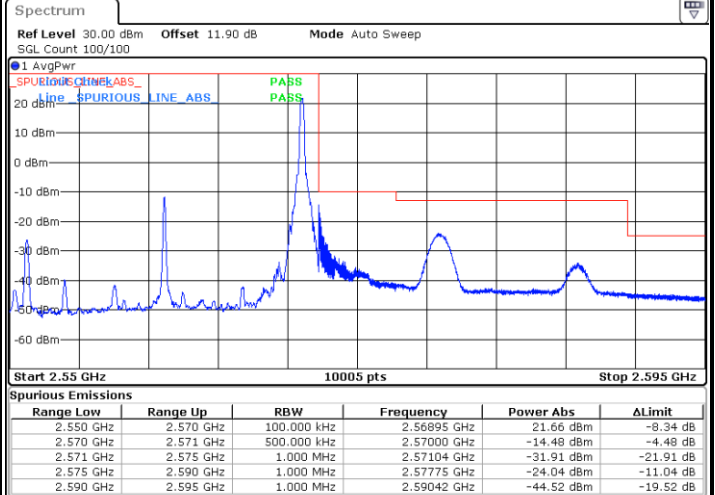
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



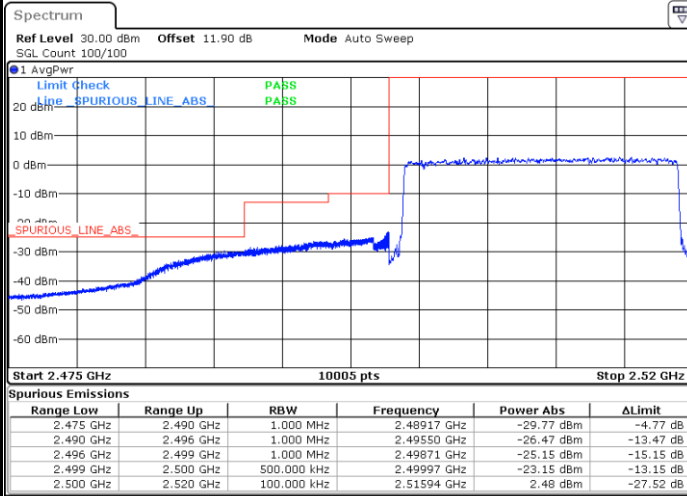
Date: 12.NOV.2021 10:28:48

Highest Band Edge / 1 RB



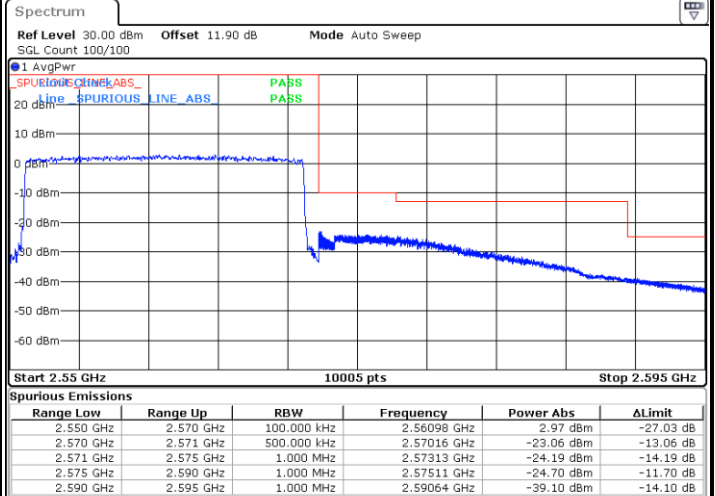
Date: 12.NOV.2021 10:33:53

Lowest Band Edge / Full RB



Date: 12.NOV.2021 10:29:40

Highest Band Edge / Full RB

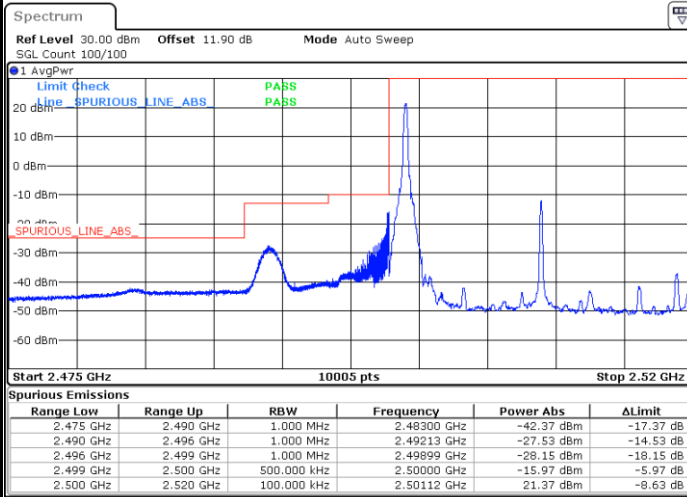


Date: 12.NOV.2021 10:35:10



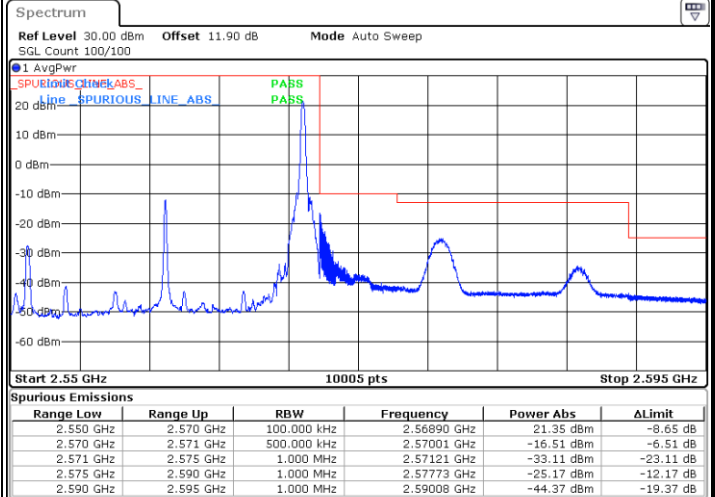
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



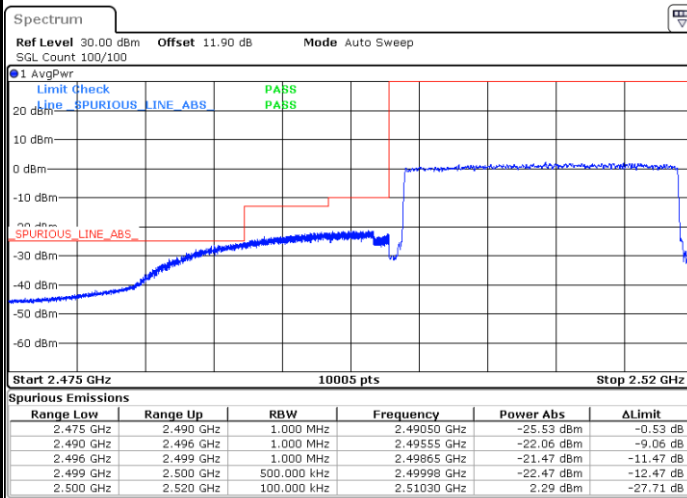
Date: 12.NOV.2021 10:29:14

Highest Band Edge / 1 RB



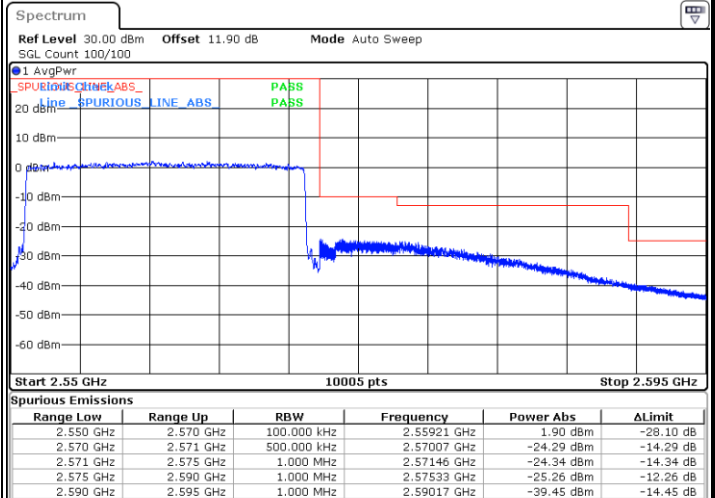
Date: 12.NOV.2021 10:34:19

Lowest Band Edge / Full RB



Date: 12.NOV.2021 10:41:40

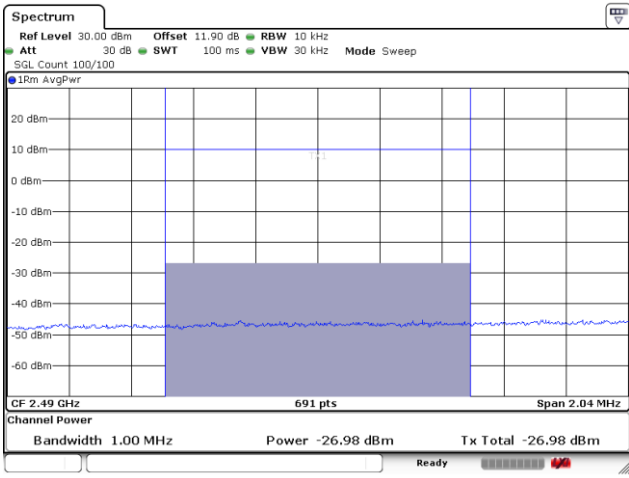
Highest Band Edge / Full RB



Date: 12.NOV.2021 10:34:45



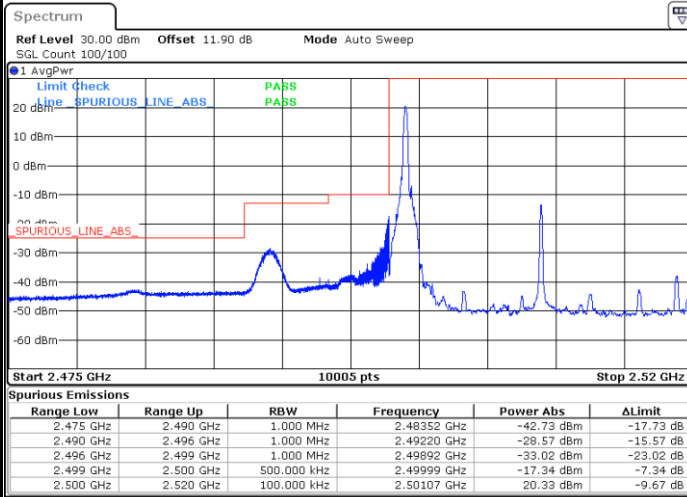
### Channel power verify





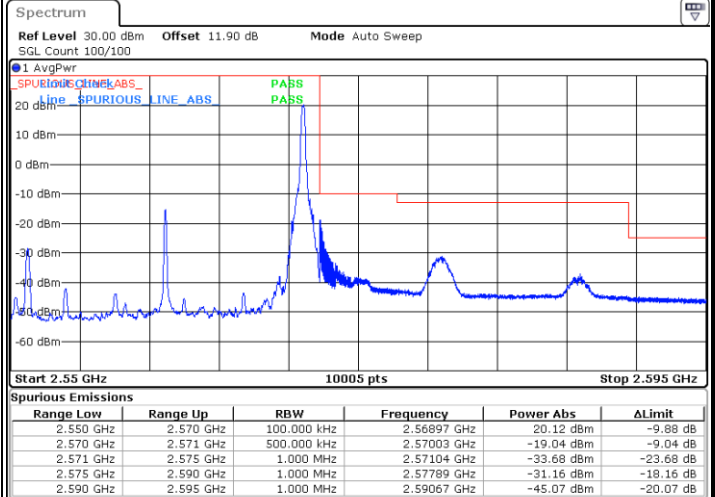
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



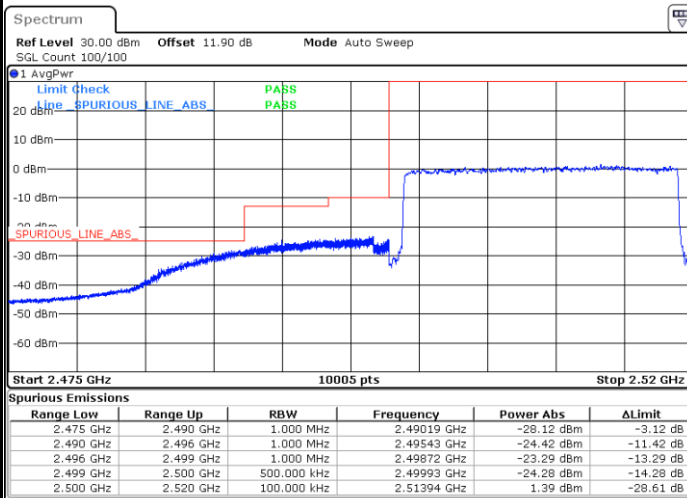
Date: 12.NOV.2021 10:36:36

Highest Band Edge / 1 RB



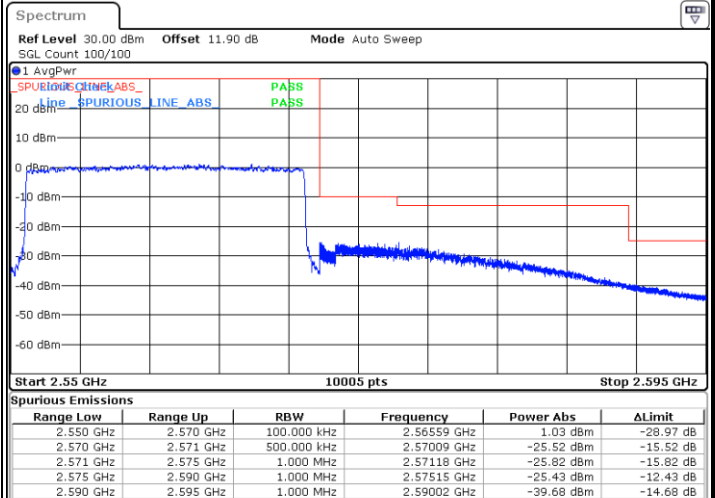
Date: 12.NOV.2021 10:38:09

Lowest Band Edge / Full RB



Date: 12.NOV.2021 10:37:02

Highest Band Edge / Full RB

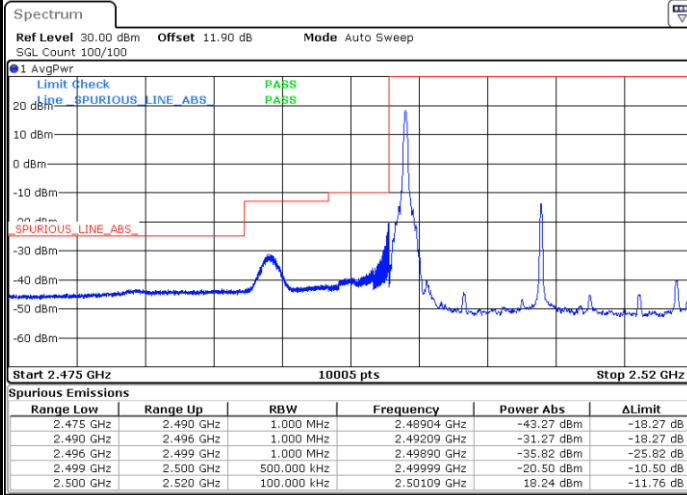


Date: 12.NOV.2021 10:38:34



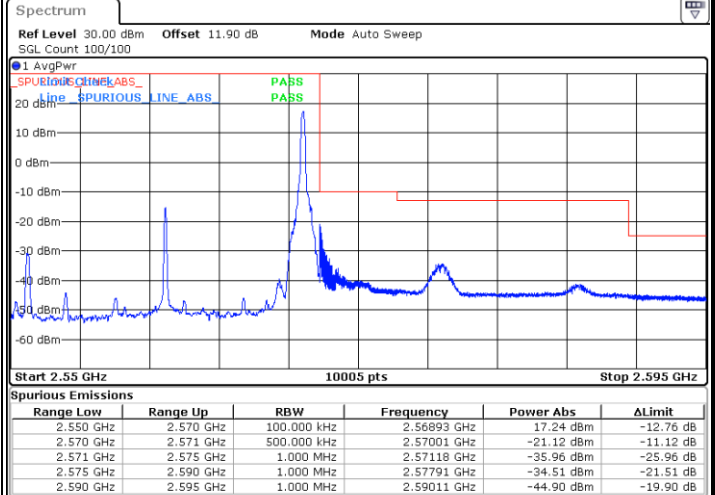
LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



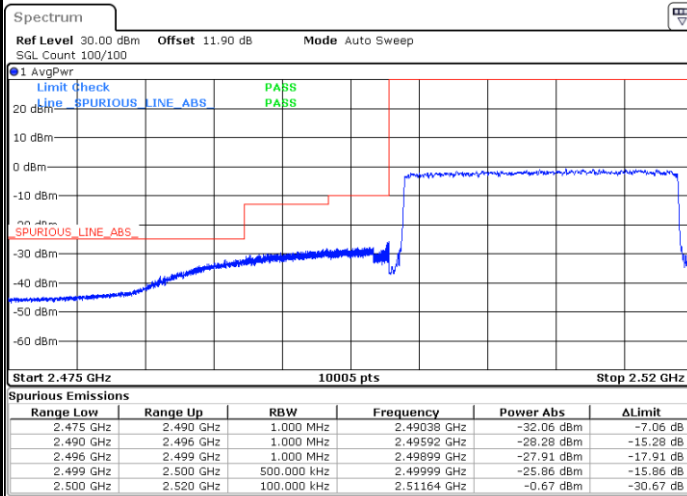
Date: 12.NOV.2021 11:30:02

Highest Band Edge / 1 RB



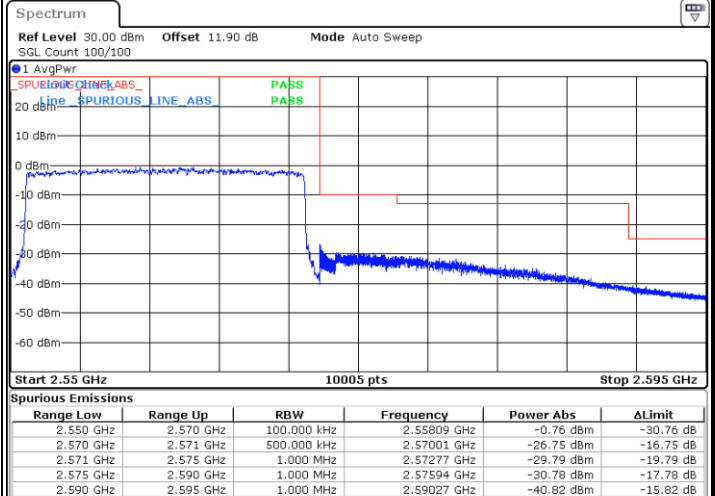
Date: 12.NOV.2021 11:30:34

Lowest Band Edge / Full RB



Date: 12.NOV.2021 11:29:38

Highest Band Edge / Full RB



Date: 12.NOV.2021 11:30:57

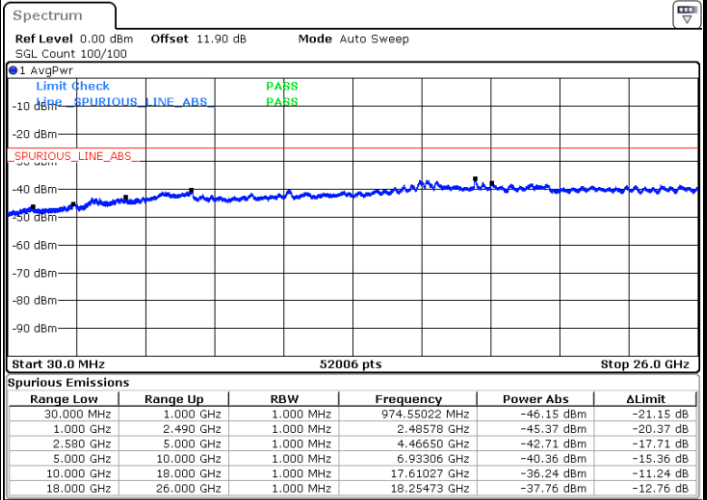
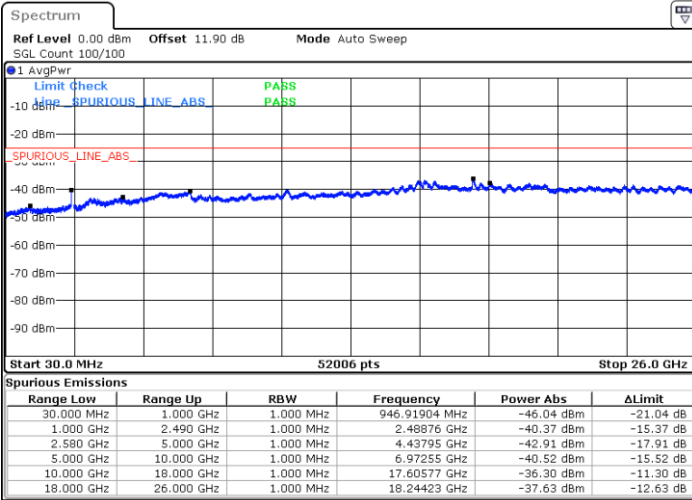


# Conducted Spurious Emission

## LTE Band 7 / 5MHz

### Lowest Channel / QPSK

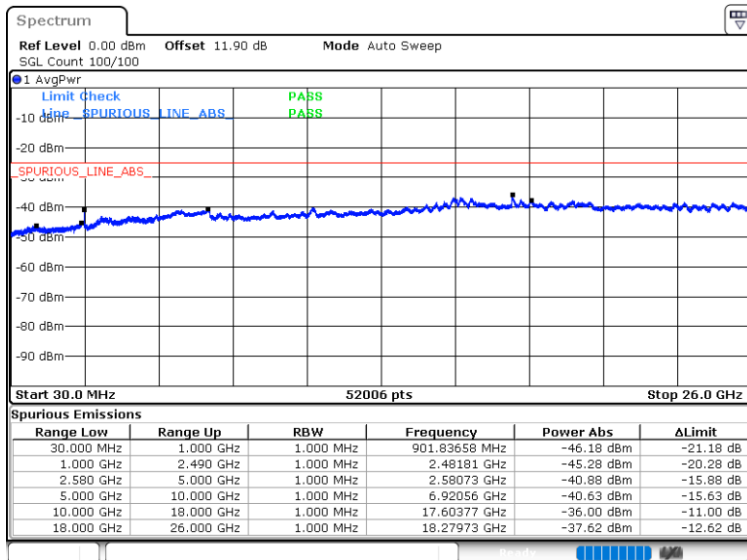
### Middle Channel / QPSK



Date: 12.NOV.2021 09:57:22

Date: 12.NOV.2021 09:59:44

### Highest Channel / QPSK



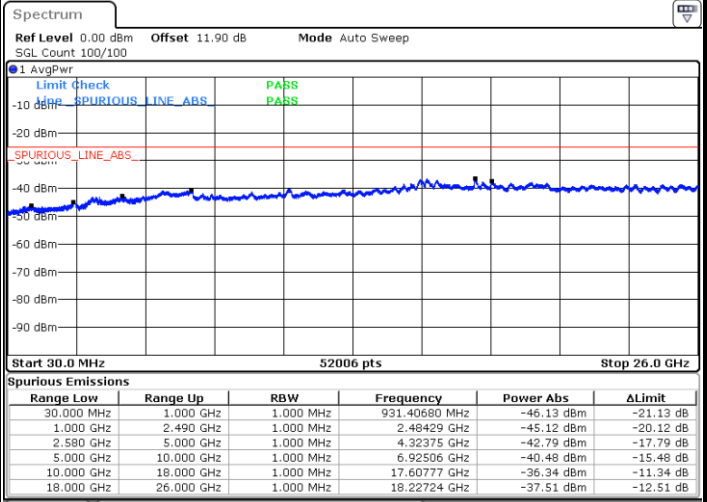
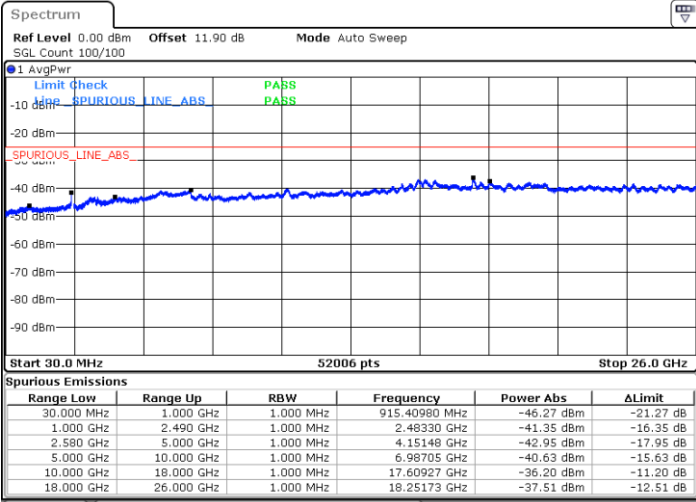
Date: 12.NOV.2021 10:02:26



LTE Band 7 / 10MHz

Lowest Channel / QPSK

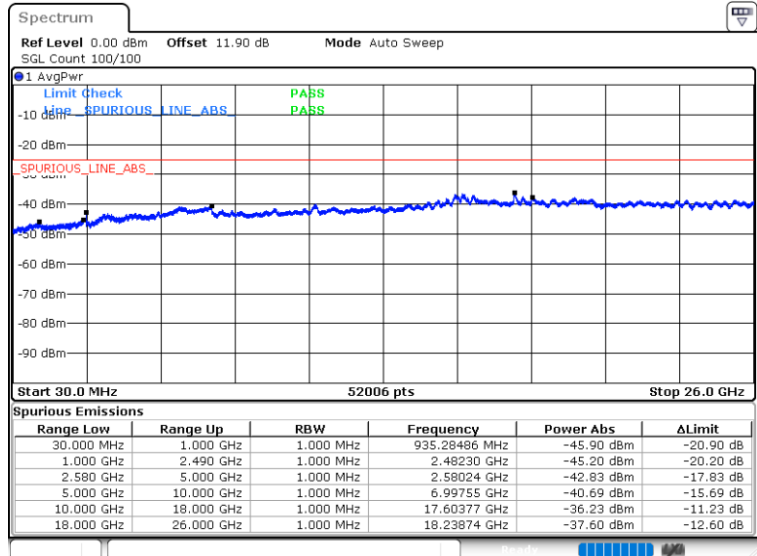
Middle Channel / QPSK



Date: 12.NOV.2021 10:07:49

Date: 12.NOV.2021 10:10:11

Highest Channel / QPSK

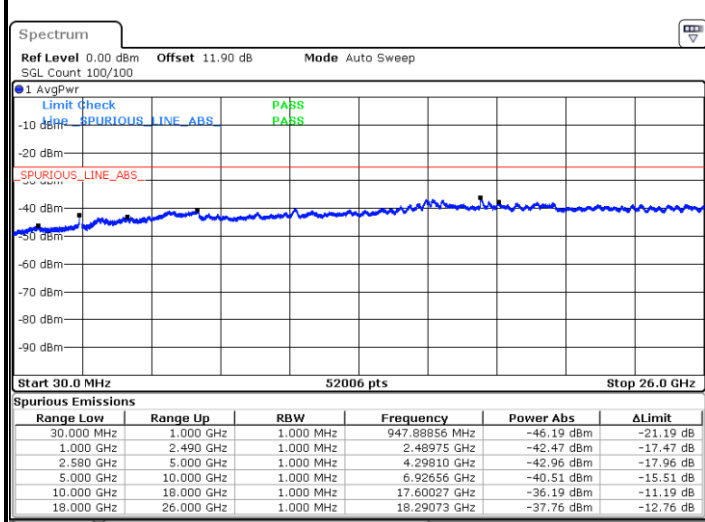


Date: 12.NOV.2021 10:12:53



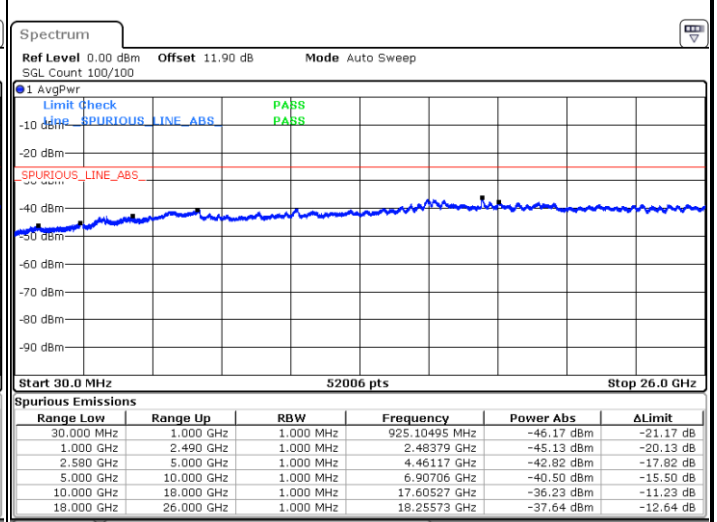
**LTE Band 7 / 15MHz**

**Lowest Channel / QPSK**



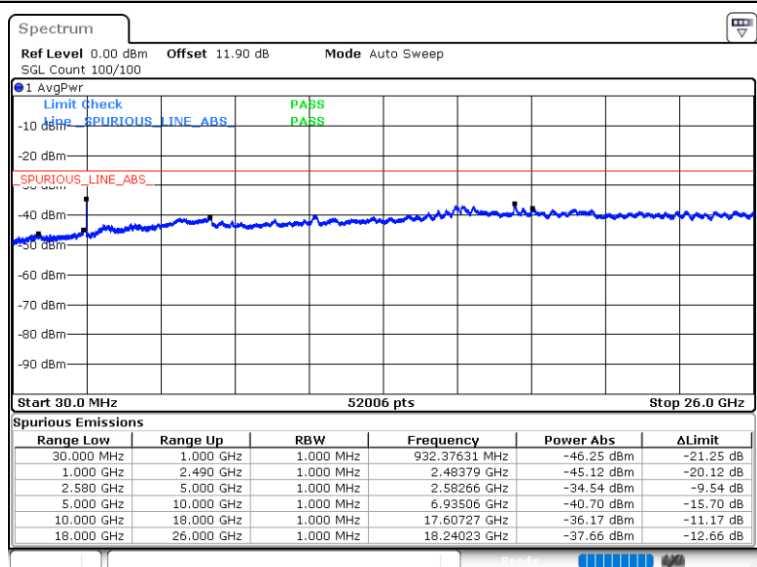
Date: 12.NOV.2021 10:18:17

**Middle Channel / QPSK**



Date: 12.NOV.2021 10:20:40

**Highest Channel / QPSK**



Date: 12.NOV.2021 10:23:22

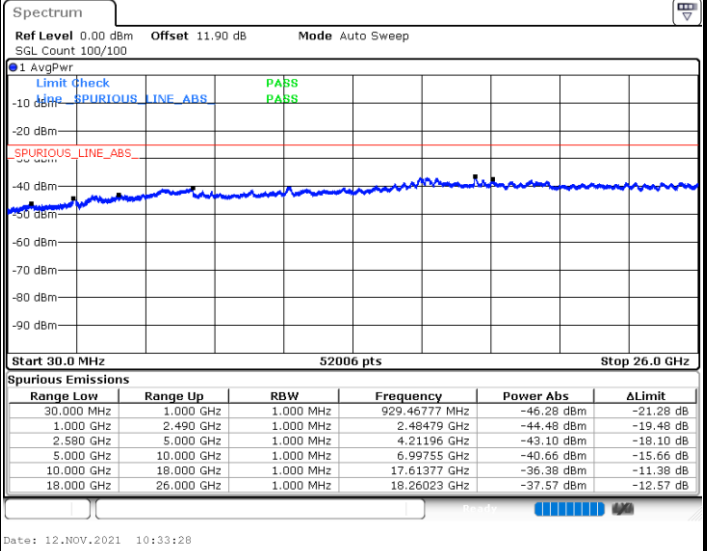
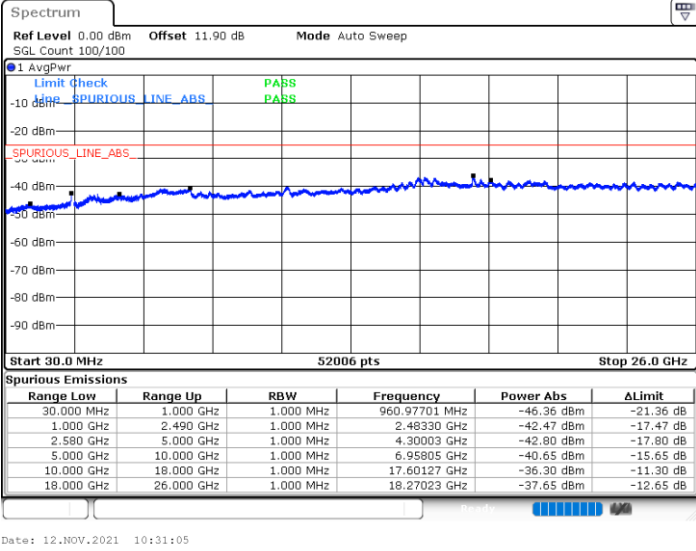




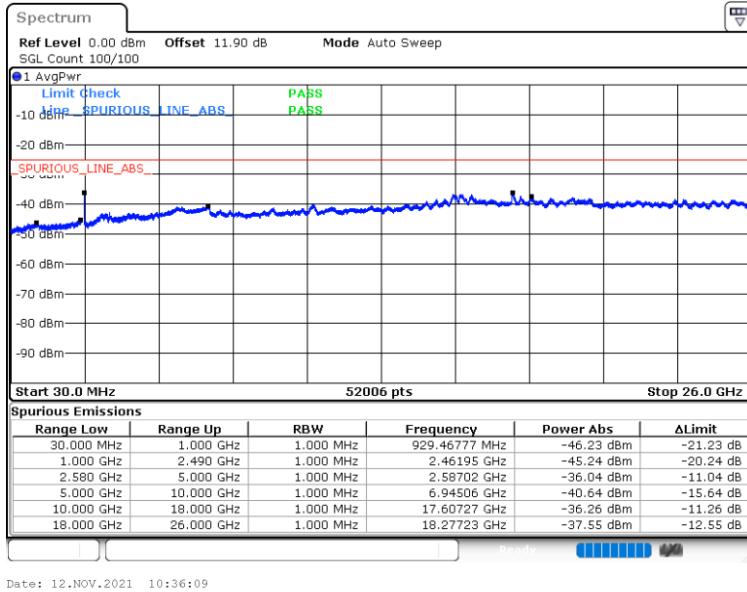
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





### 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	0.0007	PASS
40	Normal Voltage	0.0058	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0074	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0066	
-20	Normal Voltage	0.0060	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0039	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0064	

**Note:**

- 1. Normal Voltage =3.85 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	29.85	25.33	30.87	35.25
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.45	34.97	40.04	

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.79	25.52	30.57	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	34.83	40.20	

Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.85	25.03	30.45	35.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.51	34.97	39.72	

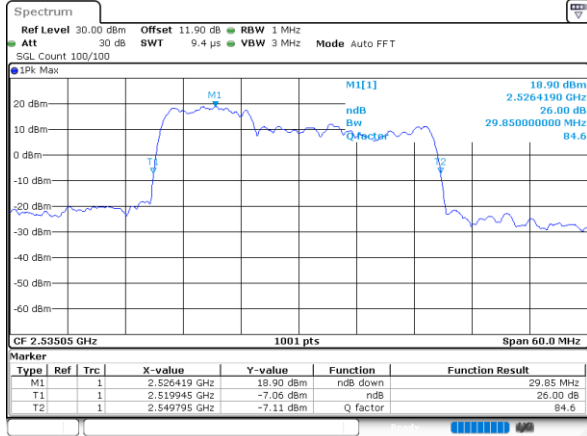
Mode	LTE Band 7C : 26dB BW(MHz)			
256QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.91	25.28	30.51	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.97	34.83	39.72	



LTE Band 7C

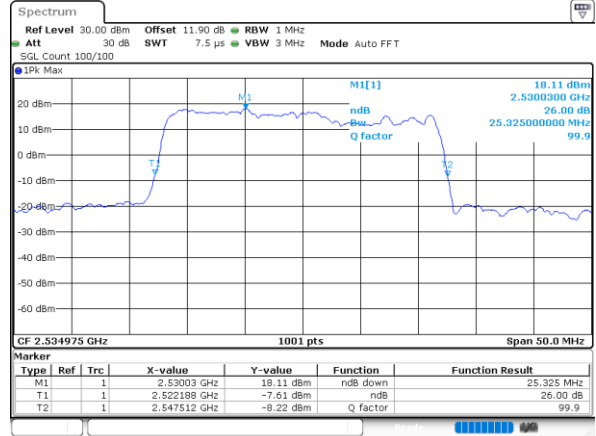
QPSK

Middle Channel / 10MHz+20MHz



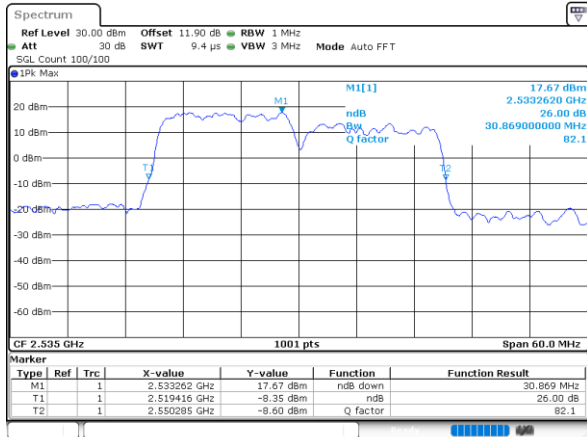
Date: 11.NOV.2021 10:16:03

Middle Channel / 15MHz+10MHz



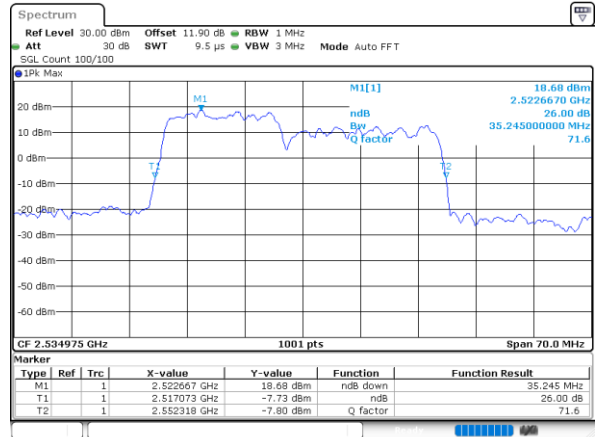
Date: 11.NOV.2021 16:52:38

Middle Channel / 15MHz+15MHz



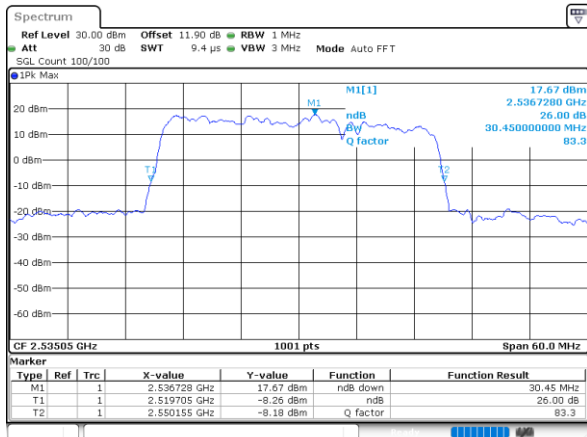
Date: 11.NOV.2021 11:17:51

Middle Channel / 15MHz+20MHz



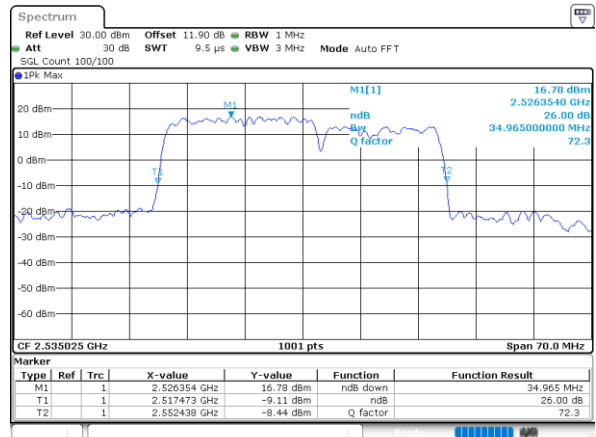
Date: 11.NOV.2021 11:46:48

Middle Channel / 20MHz+10MHz

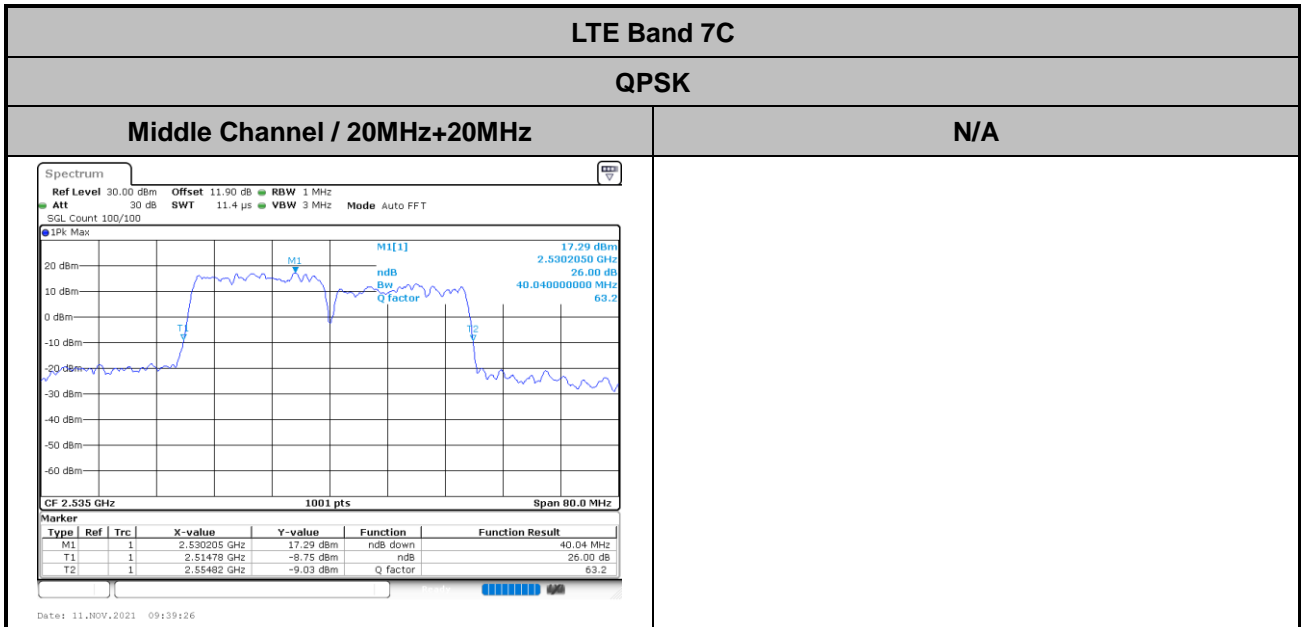


Date: 11.NOV.2021 10:46:55

Middle Channel / 20MHz+15MHz



Date: 11.NOV.2021 16:32:09

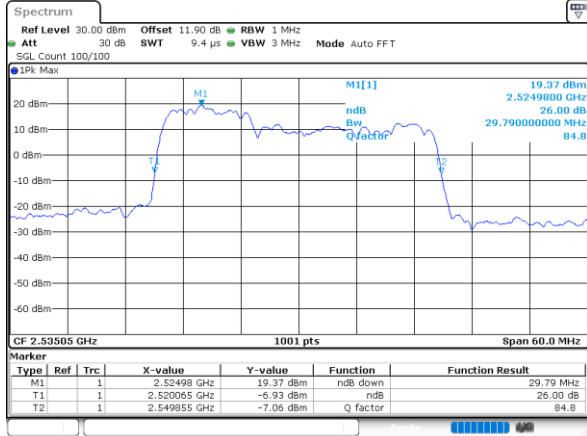




LTE Band 7C

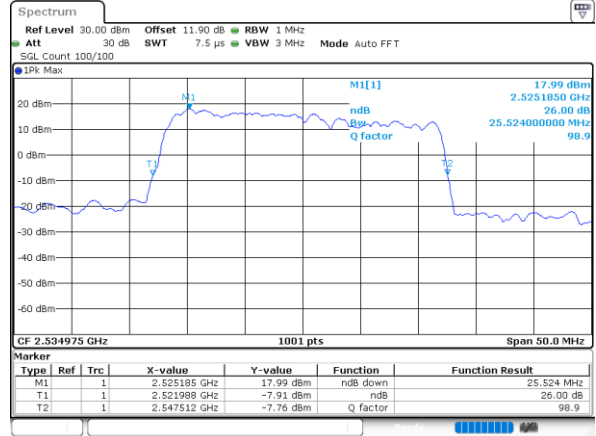
16QAM

Middle Channel / 10MHz+20MHz



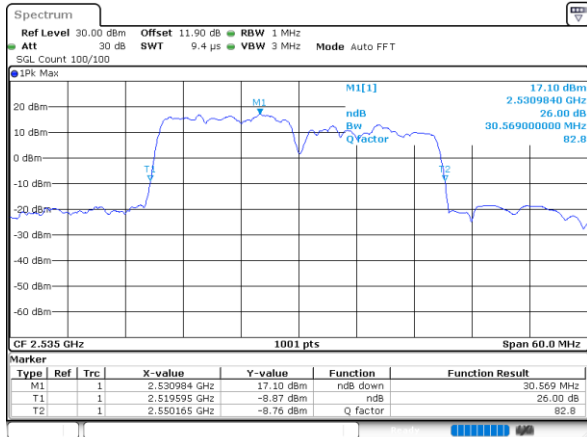
Date: 11.NOV.2021 10:15:35

Middle Channel / 15MHz+10MHz



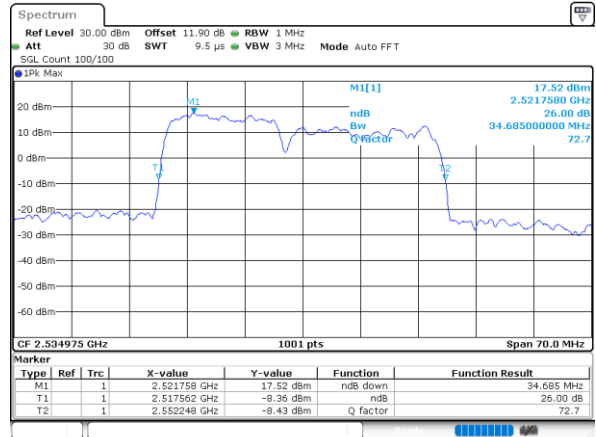
Date: 11.NOV.2021 16:52:10

Middle Channel / 15MHz+15MHz



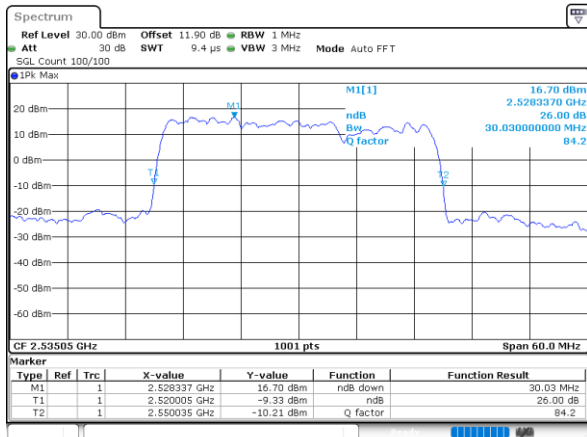
Date: 11.NOV.2021 11:17:23

Middle Channel / 15MHz+20MHz



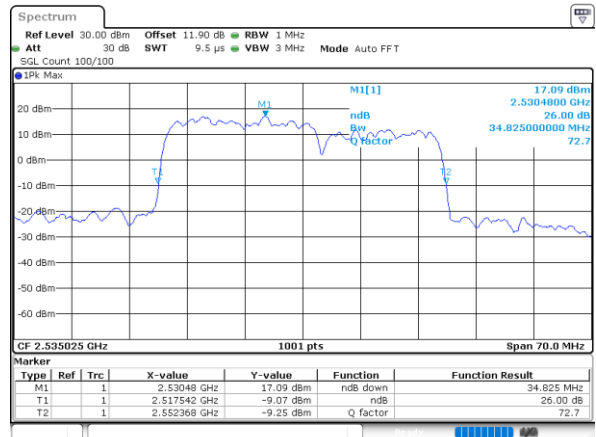
Date: 11.NOV.2021 11:45:57

Middle Channel / 20MHz+10MHz

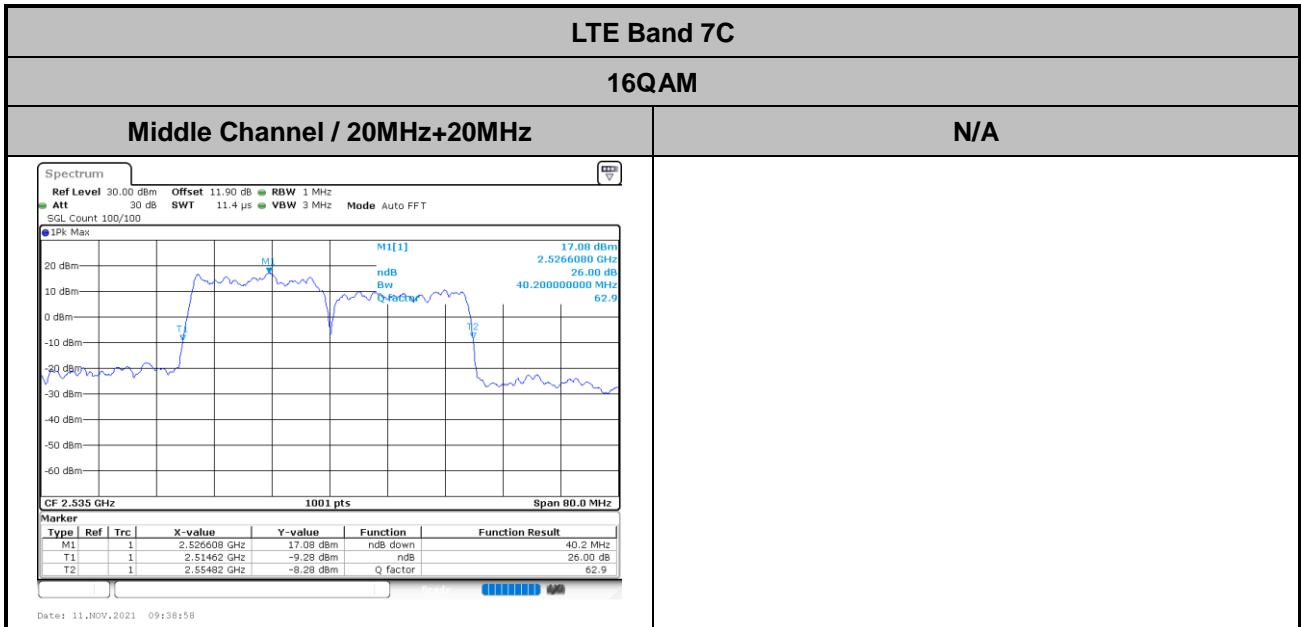


Date: 11.NOV.2021 10:46:27

Middle Channel / 20MHz+15MHz



Date: 11.NOV.2021 16:31:41

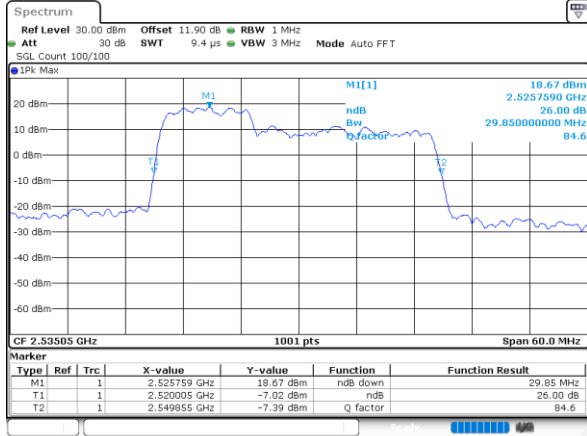




LTE Band 7C

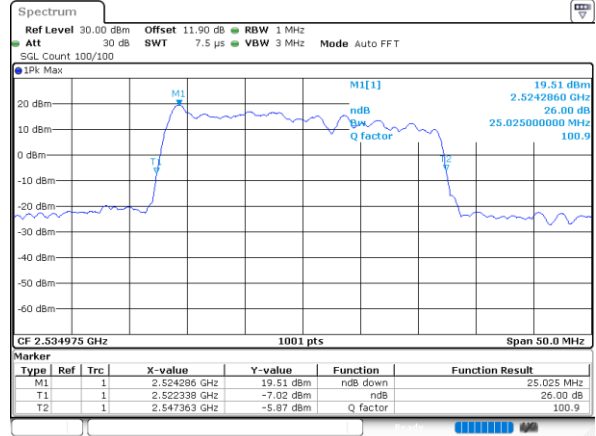
64QAM

Middle Channel / 10MHz+20MHz



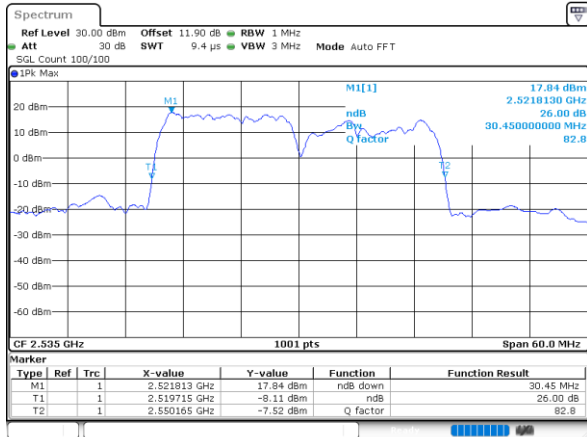
Date: 11.NOV.2021 10:15:07

Middle Channel / 15MHz+10MHz



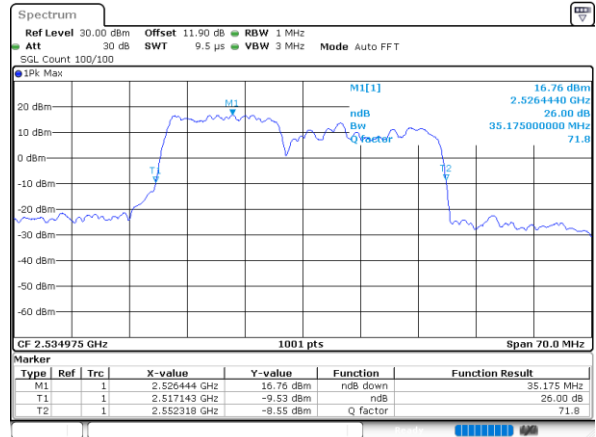
Date: 11.NOV.2021 16:51:42

Middle Channel / 15MHz+15MHz



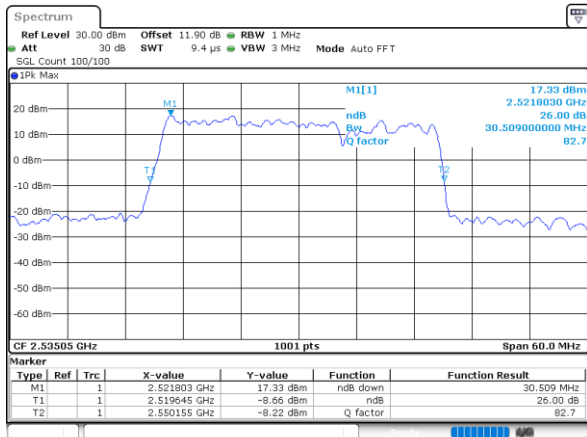
Date: 11.NOV.2021 11:16:55

Middle Channel / 15MHz+20MHz



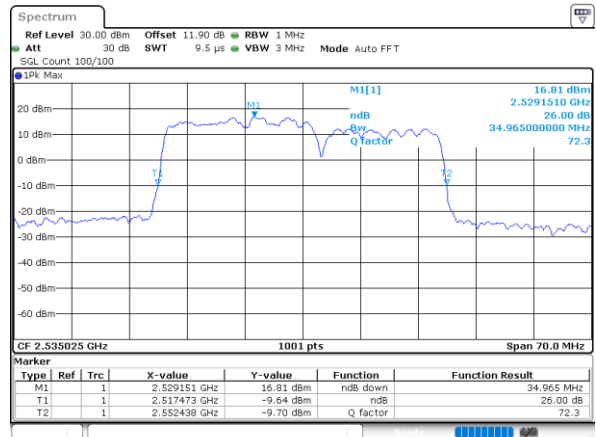
Date: 11.NOV.2021 11:45:29

Middle Channel / 20MHz+10MHz



Date: 11.NOV.2021 10:45:59

Middle Channel / 20MHz+15MHz



Date: 11.NOV.2021 16:31:13



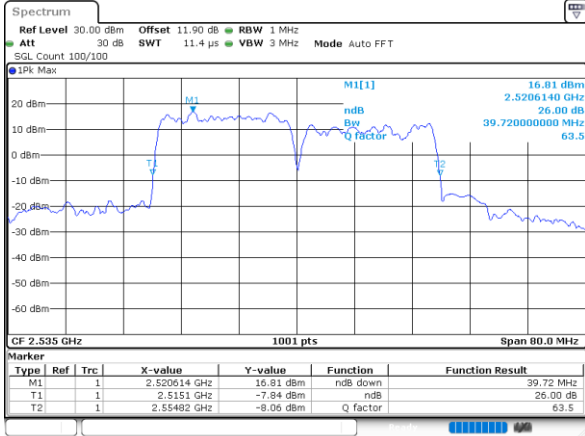


LTE Band 7C

64QAM

Middle Channel / 20MHz+20MHz

N/A

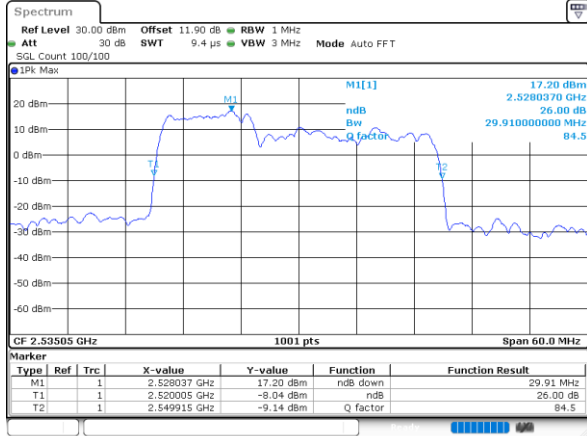




LTE Band 7C

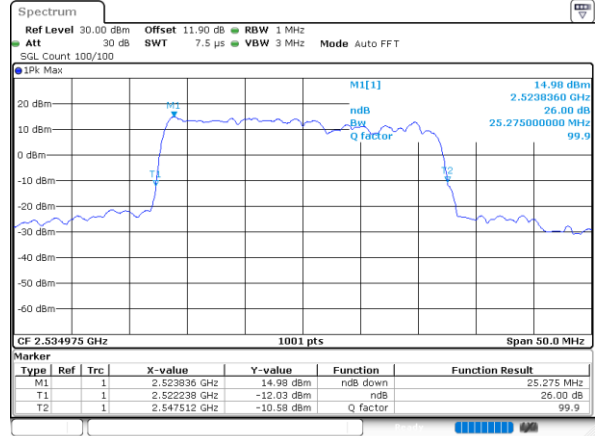
256QAM

Middle Channel / 10MHz+20MHz



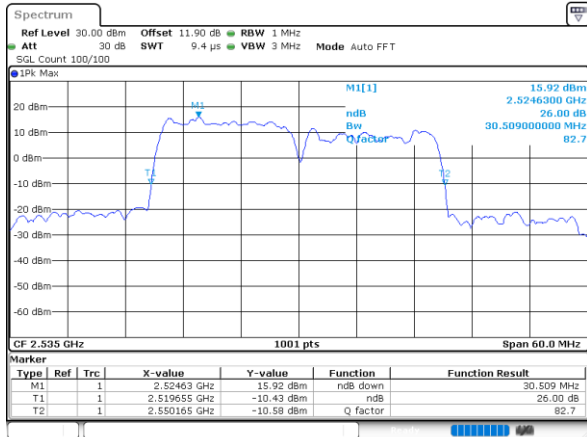
Date: 11.NOV.2021 10:19:17

Middle Channel / 15MHz+10MHz



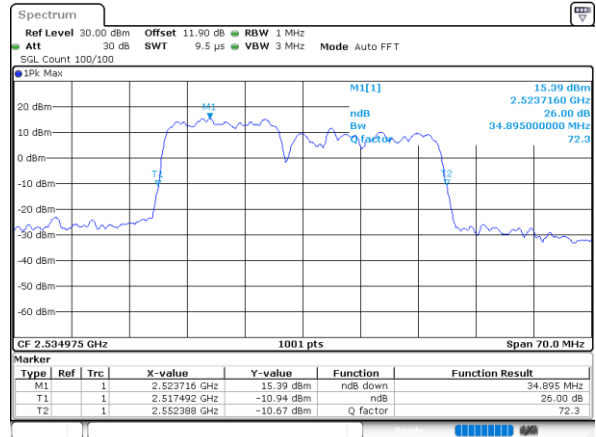
Date: 11.NOV.2021 16:55:52

Middle Channel / 15MHz+15MHz



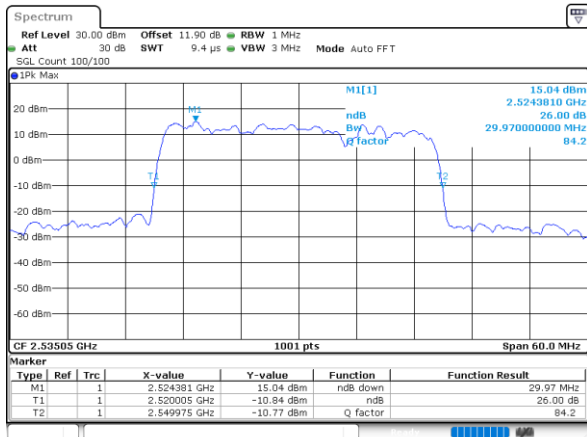
Date: 11.NOV.2021 11:21:05

Middle Channel / 15MHz+20MHz



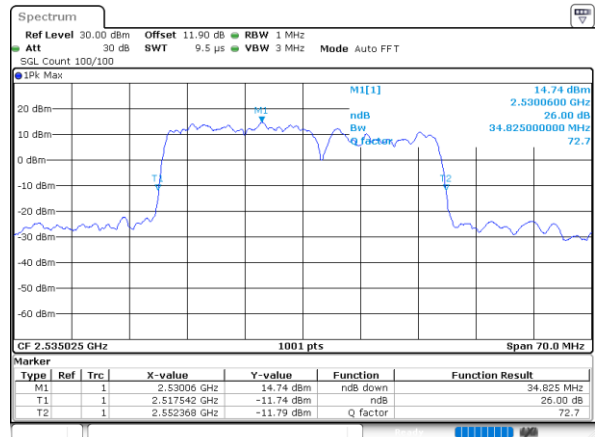
Date: 11.NOV.2021 11:50:02

Middle Channel / 20MHz+10MHz

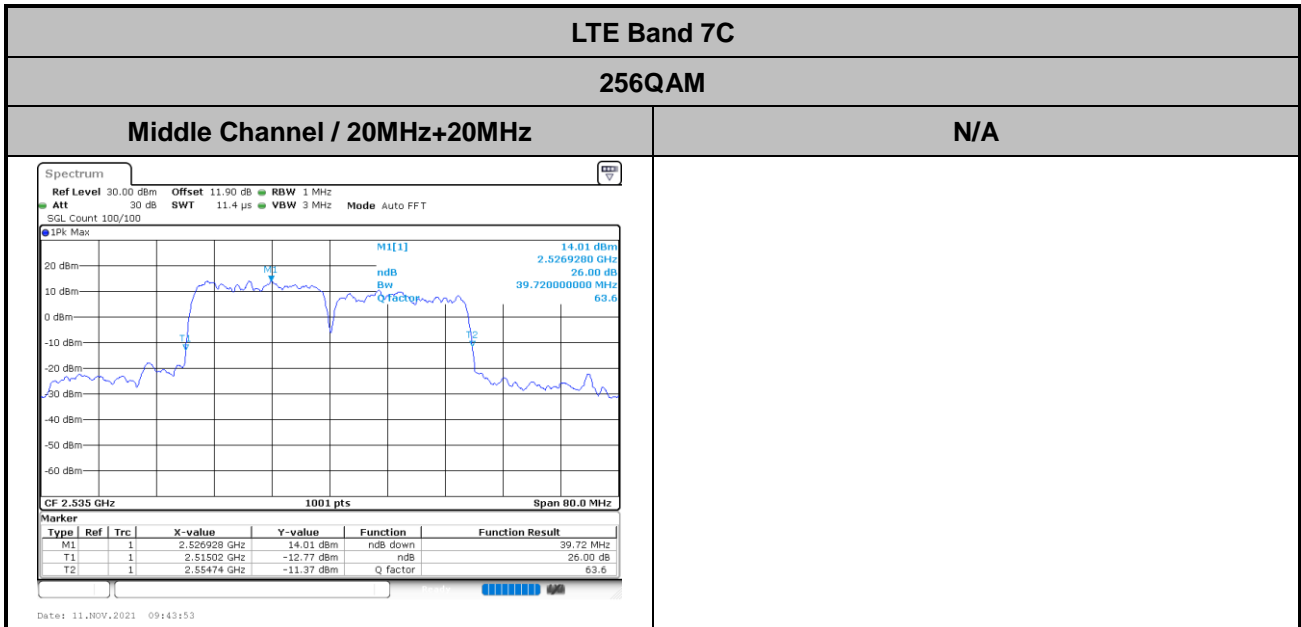


Date: 11.NOV.2021 10:50:10

Middle Channel / 20MHz+15MHz



Date: 11.NOV.2021 16:35:22





Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.99	23.33	28.71	32.73
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.87	33.01	37.56	

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.81	23.48	28.41	32.66
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.87	32.80	37.56	

Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.99	23.43	28.35	33.01
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.17	32.87	37.64	

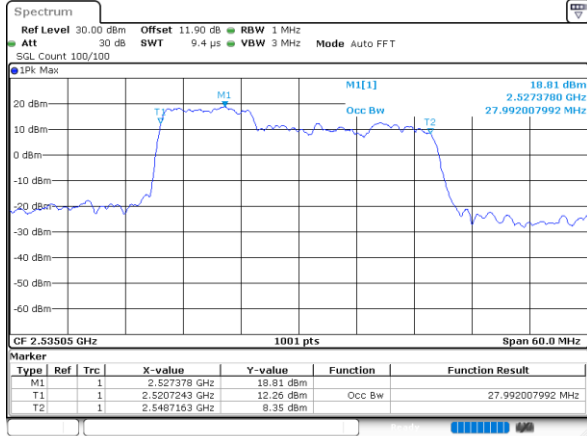
Mode	LTE Band 7C : 99%OBW(MHz)			
256QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.75	23.38	28.65	33.01
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.93	32.94	37.72	



LTE Band 7C

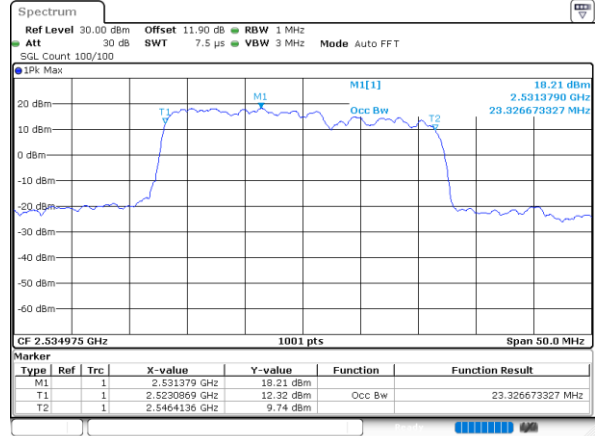
QPSK

Middle Channel / 10MHz+20MHz



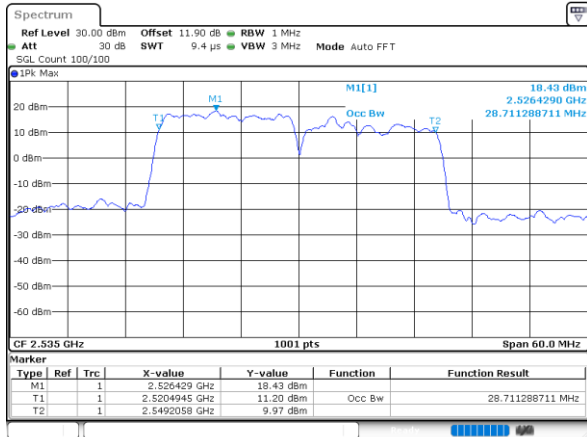
Date: 11.NOV.2021 10:13:44

Middle Channel / 15MHz+10MHz



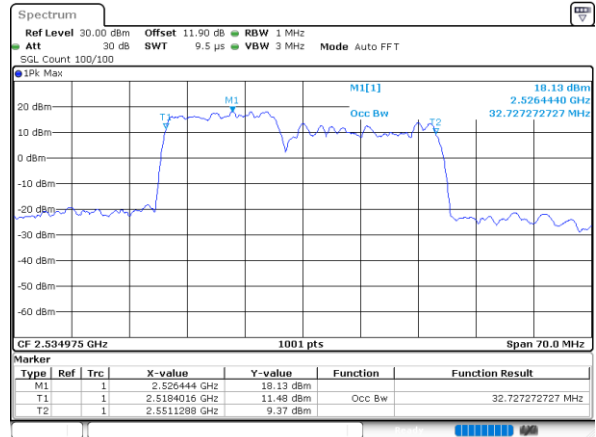
Date: 11.NOV.2021 16:50:20

Middle Channel / 15MHz+15MHz



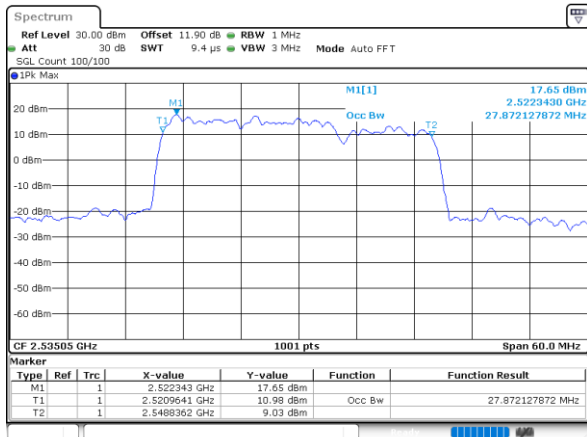
Date: 11.NOV.2021 11:15:32

Middle Channel / 15MHz+20MHz



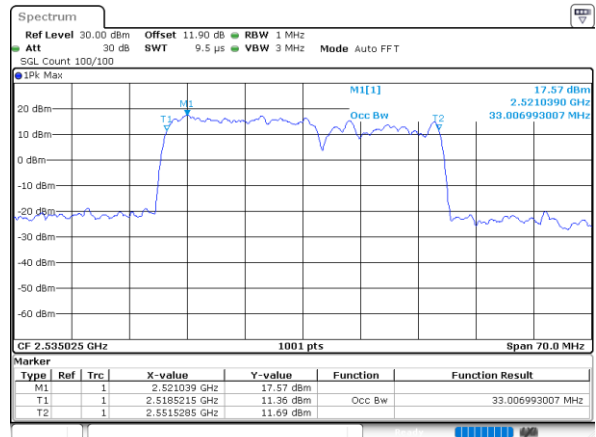
Date: 11.NOV.2021 11:44:06

Middle Channel / 20MHz+10MHz



Date: 11.NOV.2021 10:44:37

Middle Channel / 20MHz+15MHz



Date: 11.NOV.2021 16:29:50

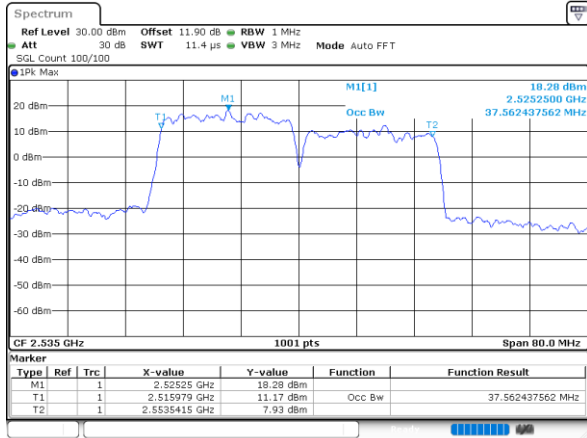


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A

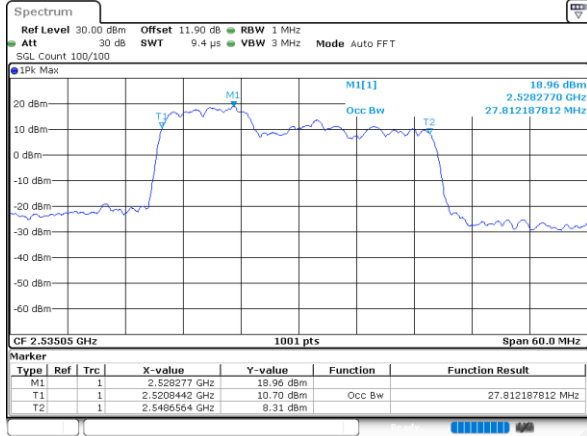




LTE Band 7C

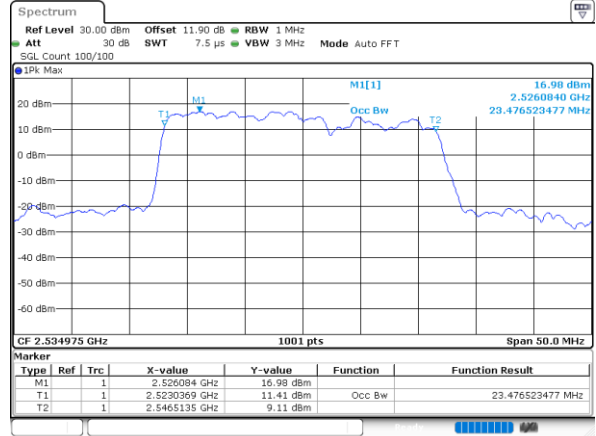
16QAM

Middle Channel / 10MHz+20MHz



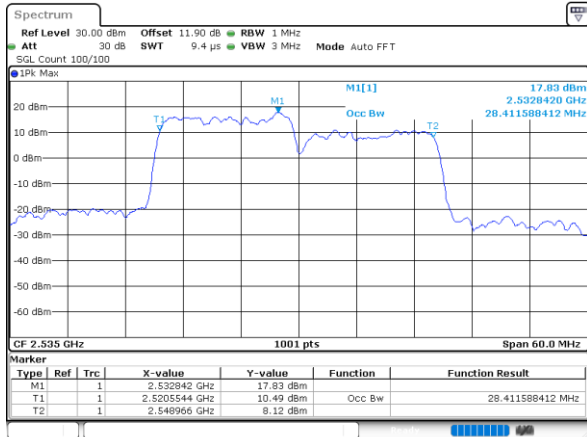
Date: 11.NOV.2021 10:14:13

Middle Channel / 15MHz+10MHz



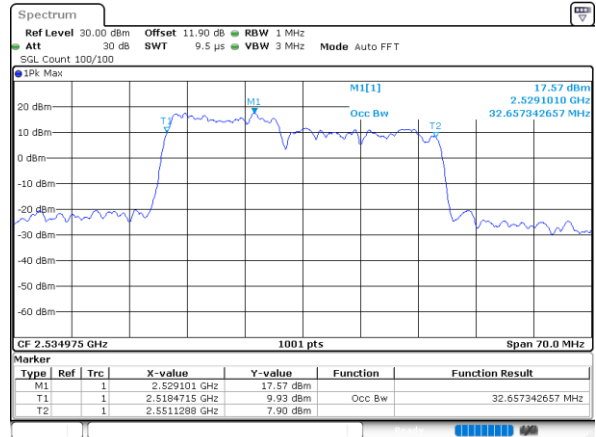
Date: 11.NOV.2021 16:50:48

Middle Channel / 15MHz+15MHz



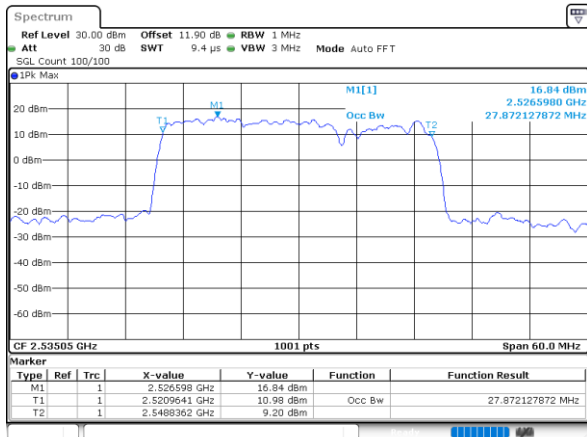
Date: 11.NOV.2021 11:16:00

Middle Channel / 15MHz+20MHz



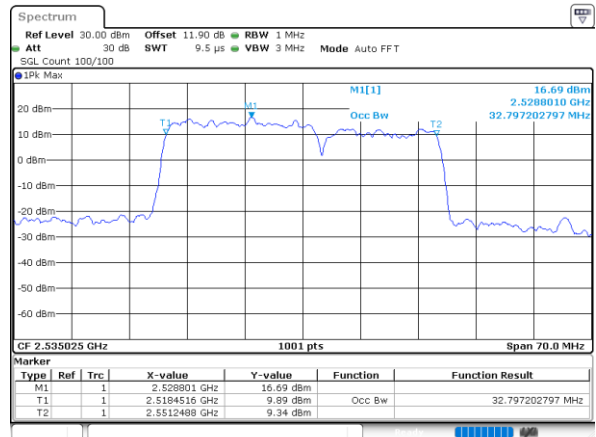
Date: 11.NOV.2021 11:44:34

Middle Channel / 20MHz+10MHz



Date: 11.NOV.2021 10:45:05

Middle Channel / 20MHz+15MHz



Date: 11.NOV.2021 16:30:18

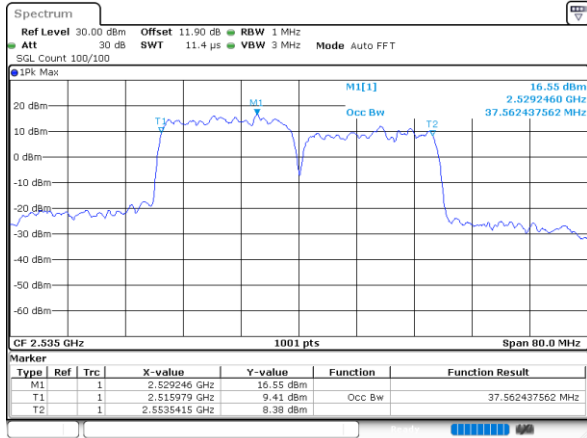


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



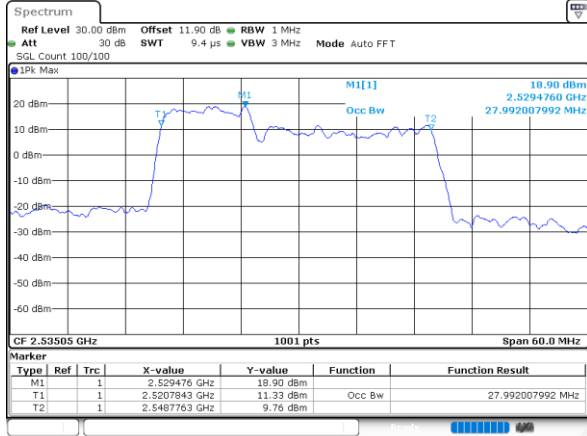




LTE Band 7C

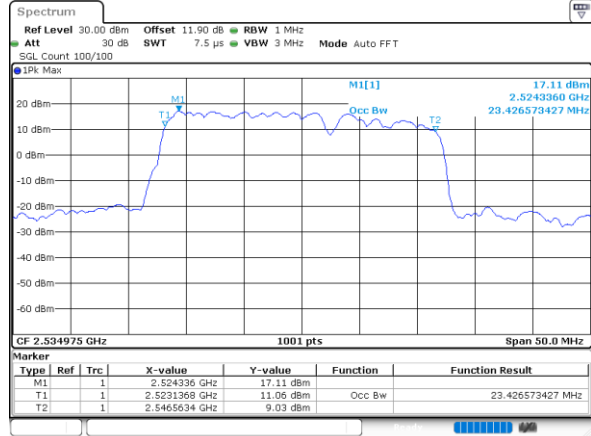
64QAM

Middle Channel / 10MHz+20MHz



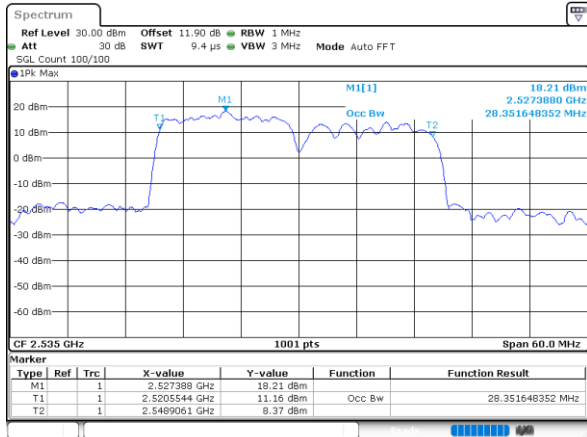
Date: 11.NOV.2021 10:14:40

Middle Channel / 15MHz+10MHz



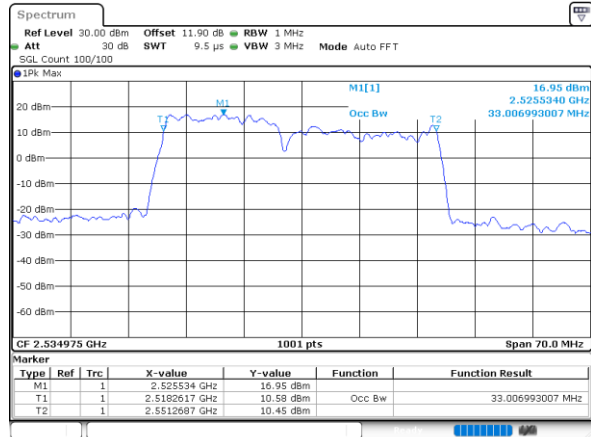
Date: 11.NOV.2021 16:51:15

Middle Channel / 15MHz+15MHz



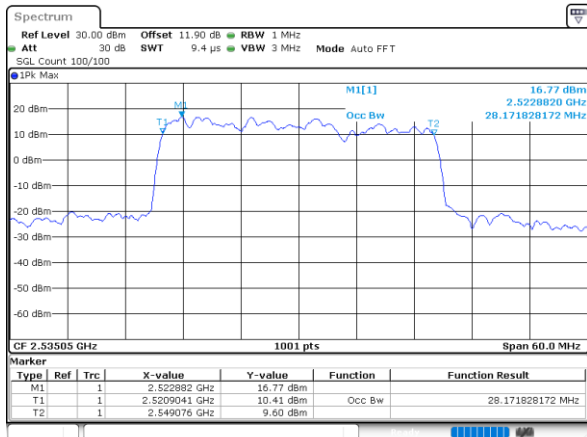
Date: 11.NOV.2021 11:16:28

Middle Channel / 15MHz+20MHz



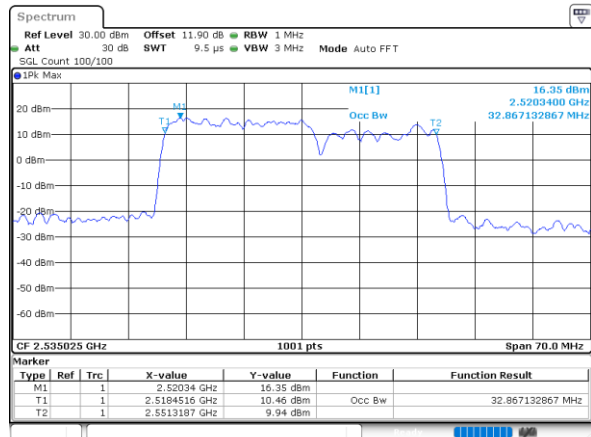
Date: 11.NOV.2021 11:45:02

Middle Channel / 20MHz+10MHz

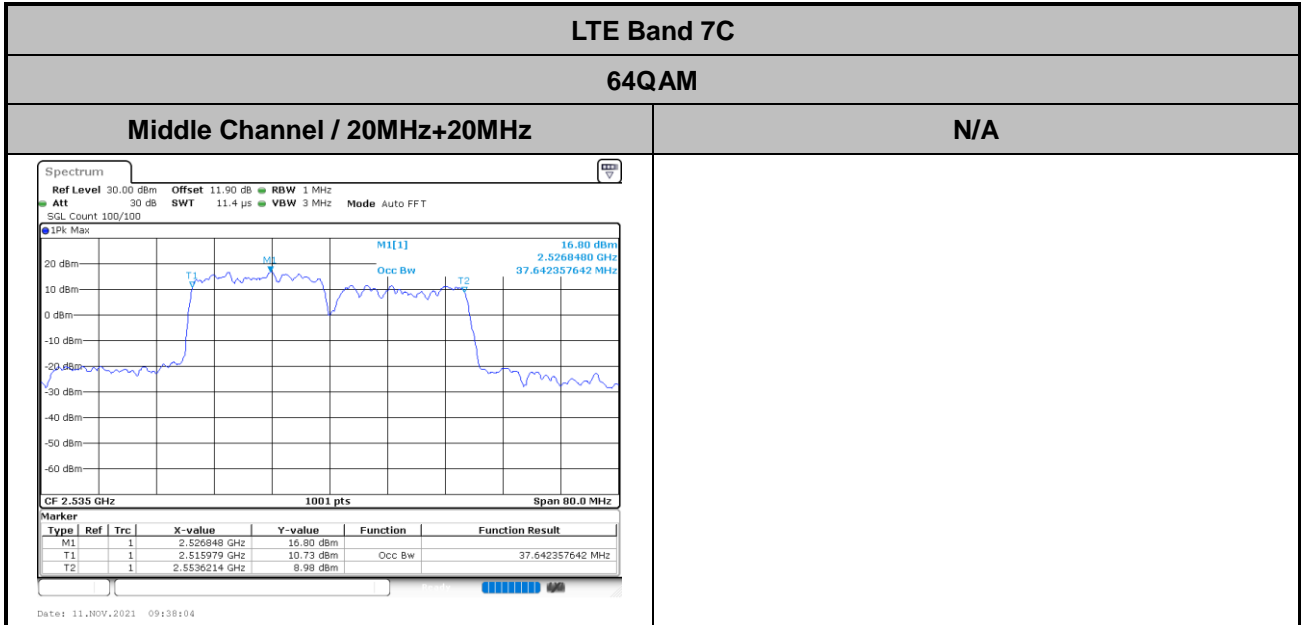


Date: 11.NOV.2021 10:45:32

Middle Channel / 20MHz+15MHz



Date: 11.NOV.2021 16:30:46

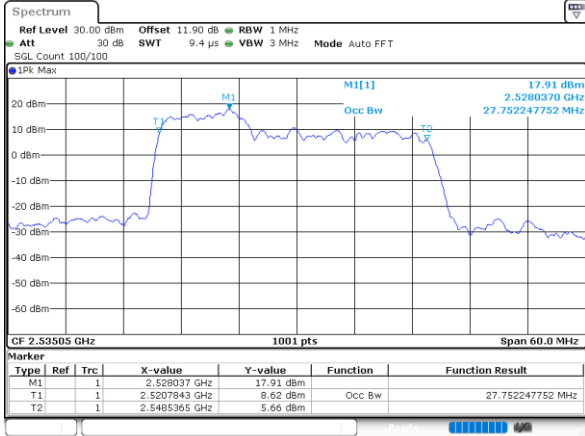




LTE Band 7C

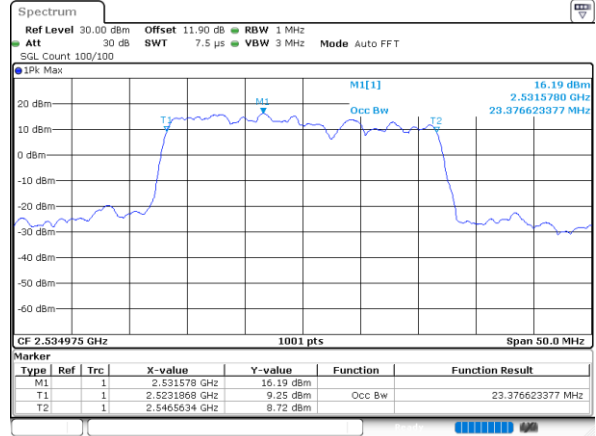
256QAM

Middle Channel / 10MHz+20MHz



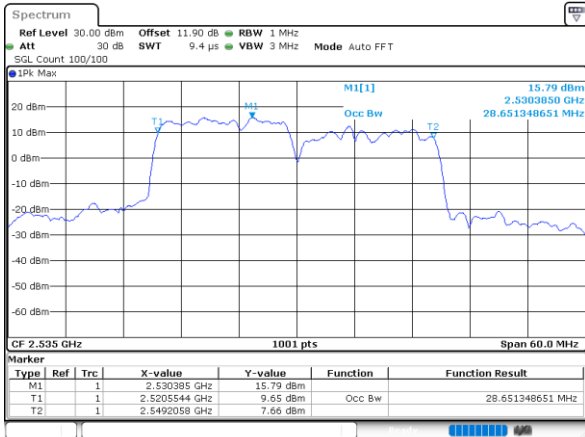
Date: 11.NOV.2021 10:18:50

Middle Channel / 15MHz+10MHz



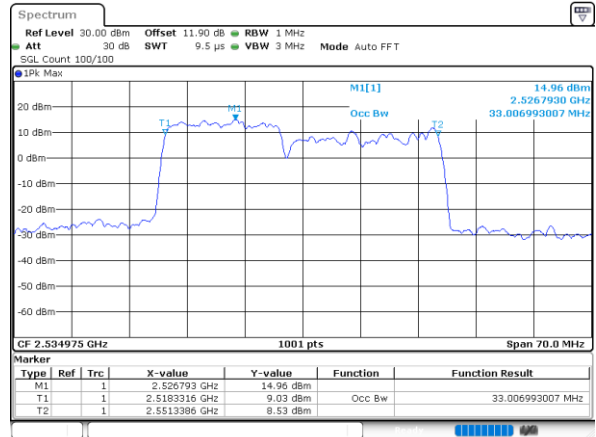
Date: 11.NOV.2021 16:55:25

Middle Channel / 15MHz+15MHz



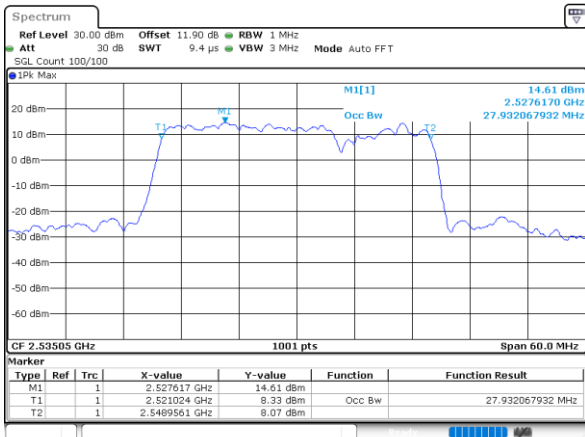
Date: 11.NOV.2021 11:20:38

Middle Channel / 15MHz+20MHz



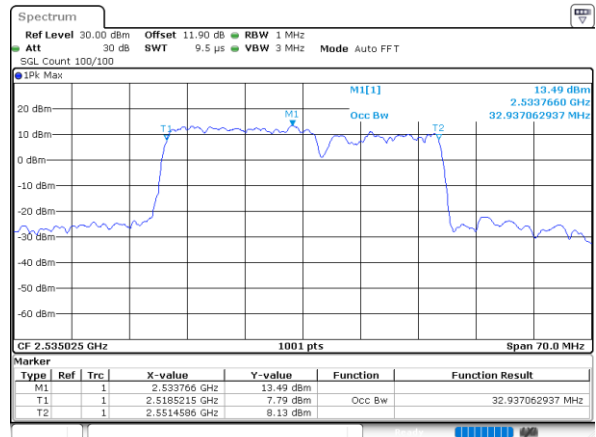
Date: 11.NOV.2021 11:49:35

Middle Channel / 20MHz+10MHz



Date: 11.NOV.2021 10:49:43

Middle Channel / 20MHz+15MHz



Date: 11.NOV.2021 16:34:55

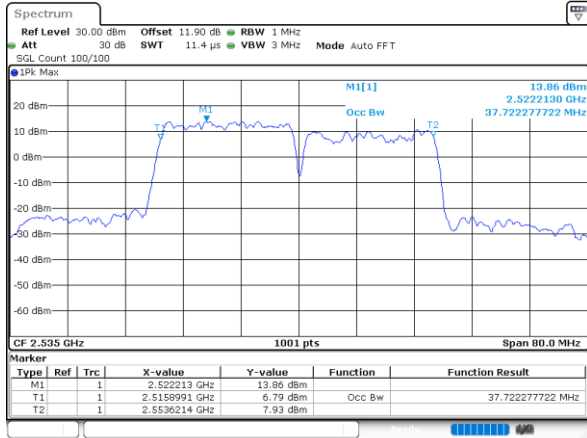


LTE Band 7C

256QAM

Middle Channel / 20MHz+20MHz

N/A



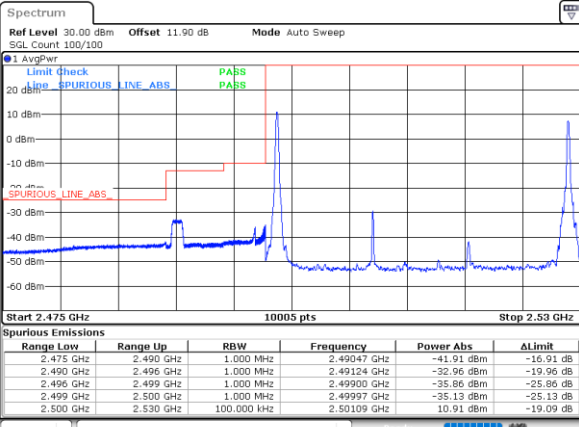


# Conducted Band Edge

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

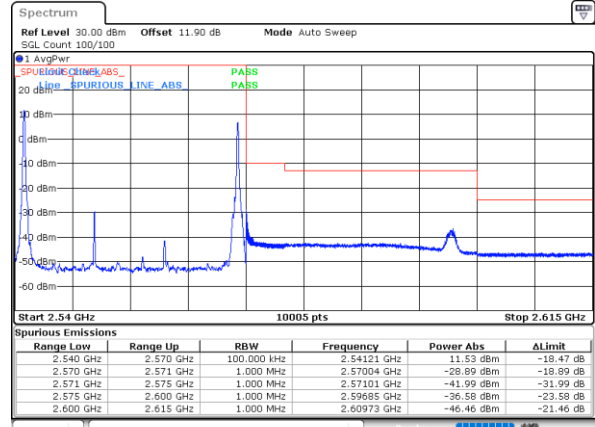
### QPSK

#### Lowest Band Edge / 1RB0 and 1RB9



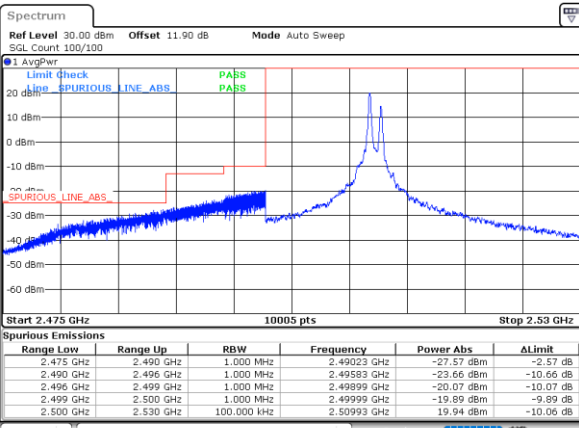
Date: 11.NOV.2021 10:04:46

#### Highest Band Edge / 1RB0 and 1RB9



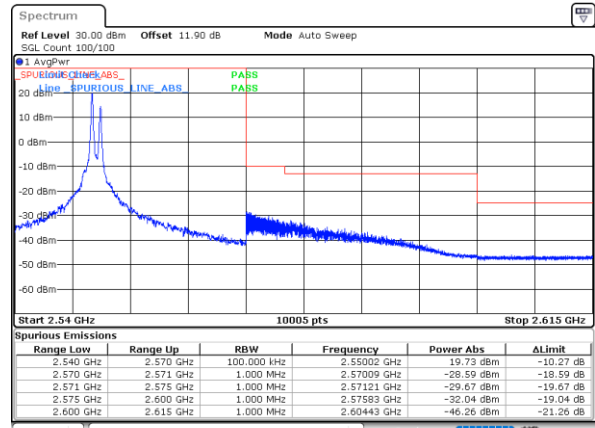
Date: 11.NOV.2021 10:22:34

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



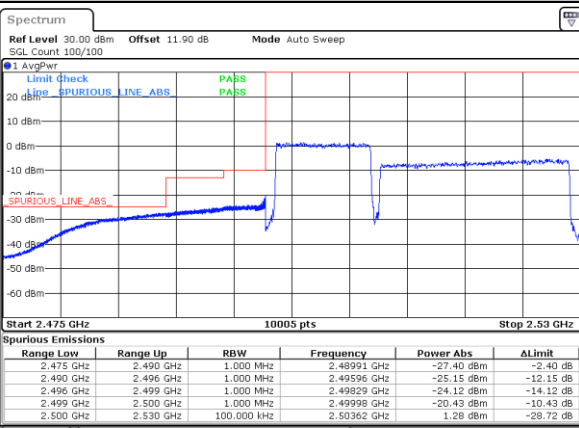
Date: 11.NOV.2021 10:05:46

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



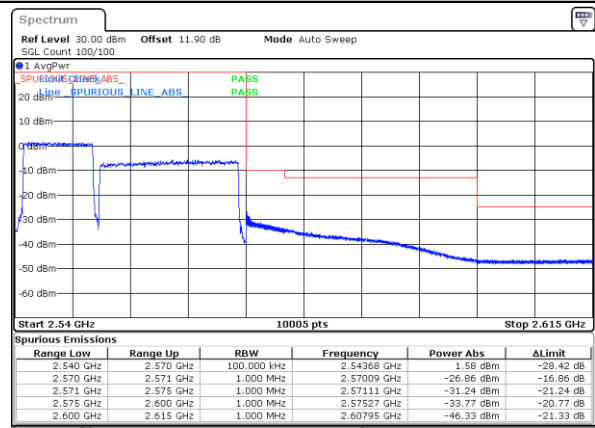
Date: 11.NOV.2021 10:25:17

#### Lowest Band Edge / Full RB



Date: 11.NOV.2021 10:01:59

#### Highest Band Edge / Full RB



Date: 11.NOV.2021 10:22:01

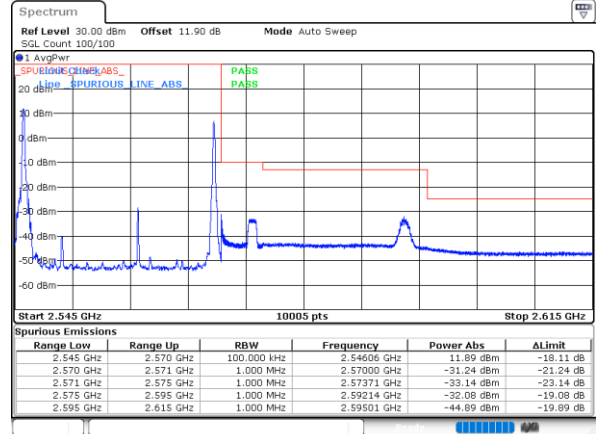
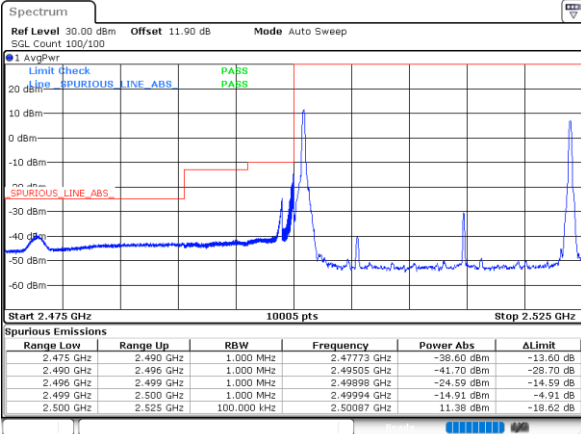


LTE Band 7C / 15MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

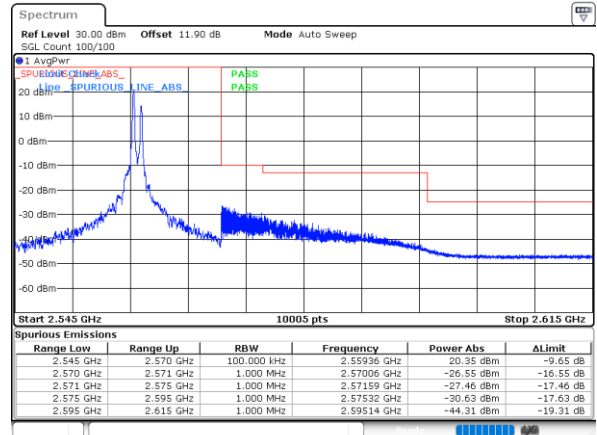
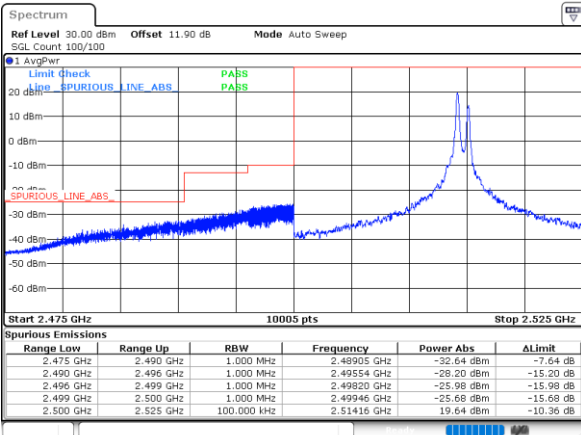


Date: 11.NOV.2021 16:40:17

Date: 11.NOV.2021 16:58:59

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

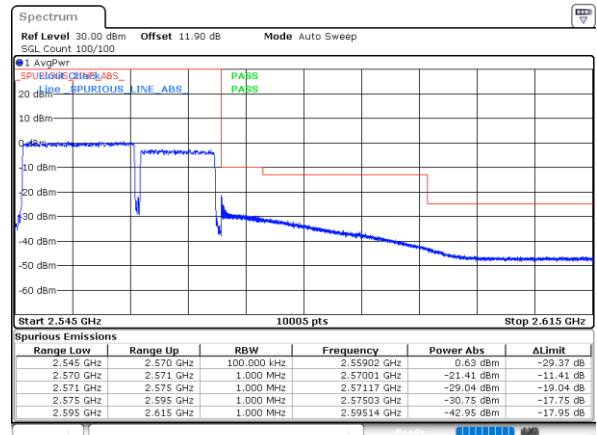
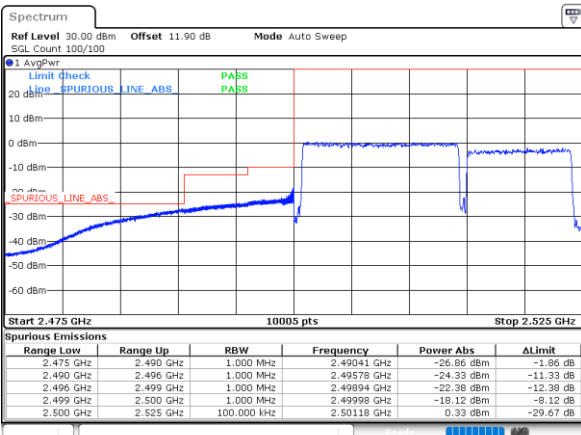


Date: 11.NOV.2021 16:41:17

Date: 11.NOV.2021 17:01:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.NOV.2021 16:37:31

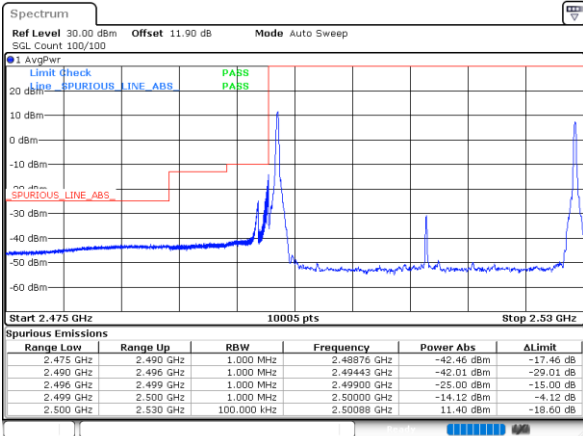
Date: 11.NOV.2021 16:58:26



LTE Band 7C / 15MHz+15MHz

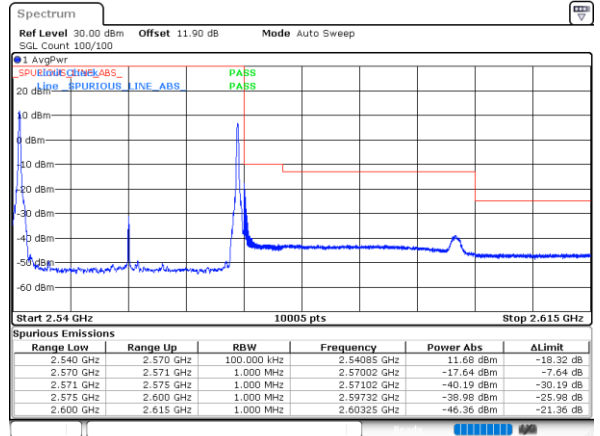
QPSK

Lowest Band Edge / 1RB0 and 1RB74



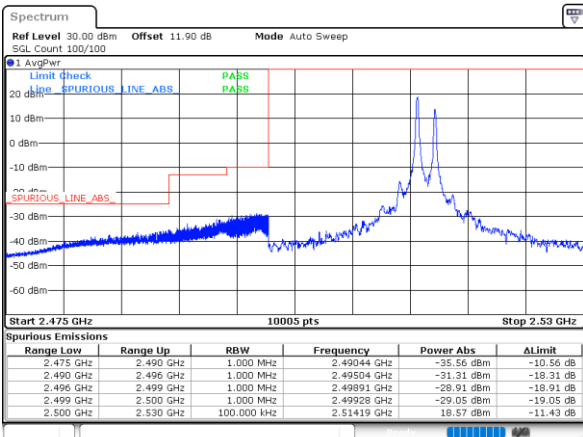
Date: 11.NOV.2021 11:04:17

Highest Band Edge / 1RB0 and 1RB74



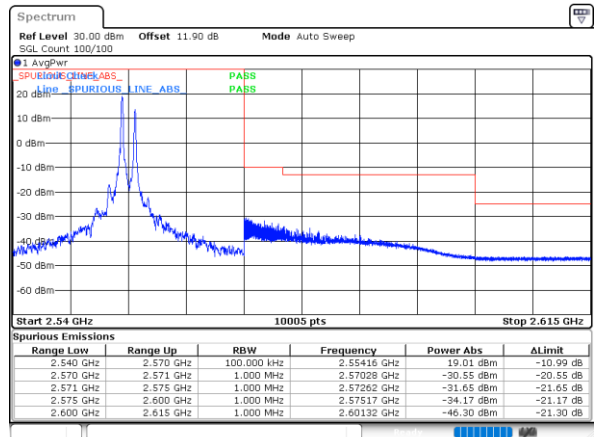
Date: 11.NOV.2021 11:24:10

Lowest Band Edge / 1RB74 and 1RB0



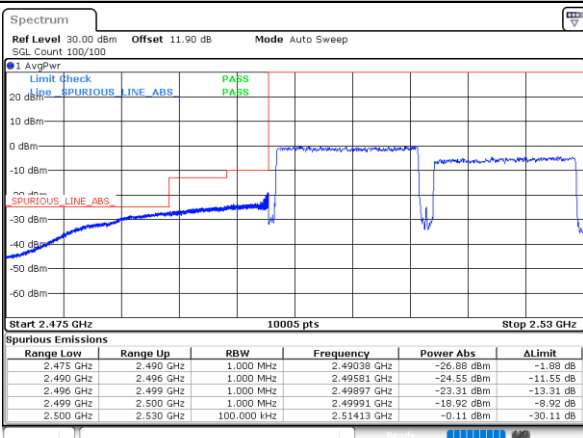
Date: 11.NOV.2021 11:04:50

Highest Band Edge / 1RB74 and 1RB0



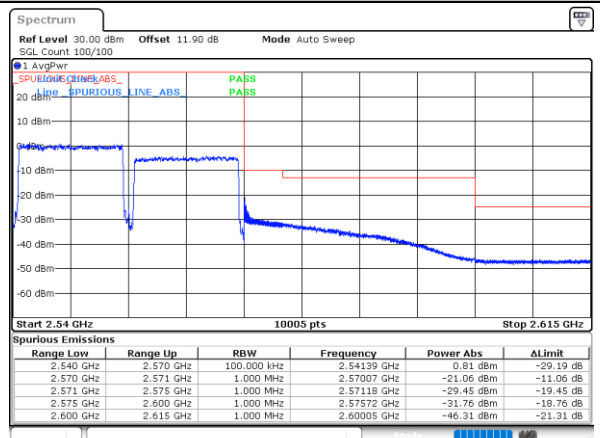
Date: 11.NOV.2021 11:26:53

Lowest Band Edge / Full RB



Date: 11.NOV.2021 11:01:31

Highest Band Edge / Full RB



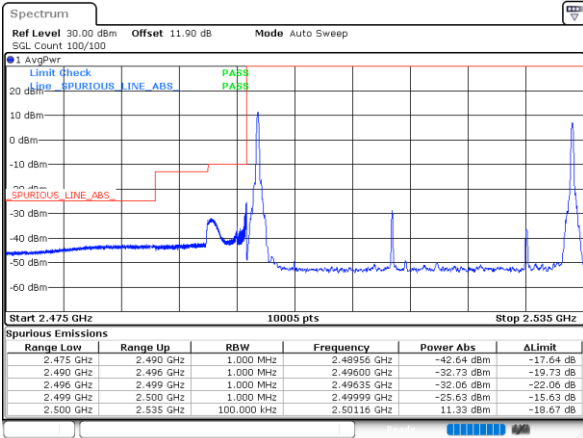
Date: 11.NOV.2021 11:23:38



LTE Band 7C / 15MHz+20MHz

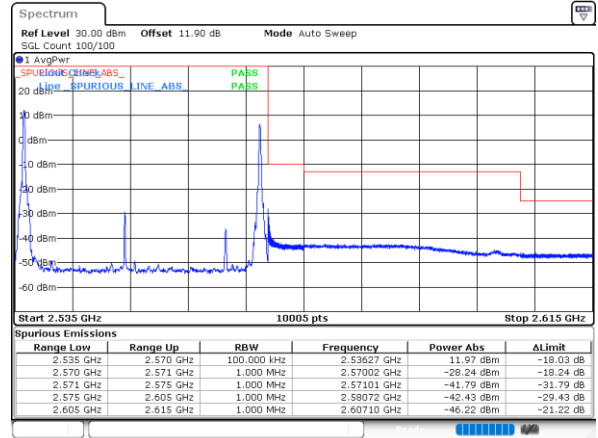
QPSK

Lowest Band Edge / 1RB0 and 1RB9



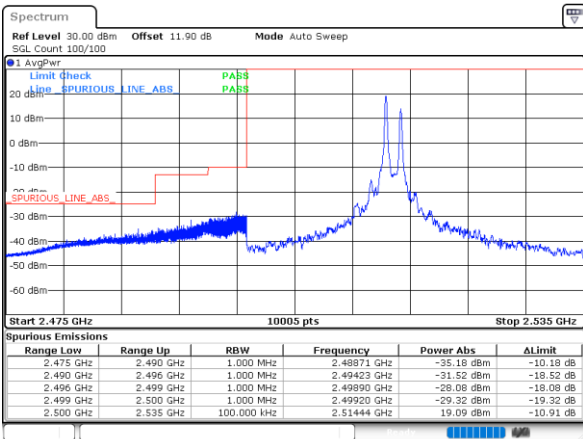
Date: 11.NOV.2021 11:36:14

Highest Band Edge / 1RB0 and 1RB9



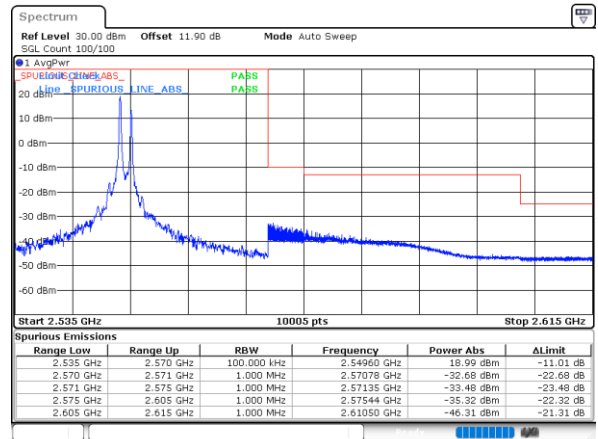
Date: 11.NOV.2021 11:53:26

Lowest Band Edge / 1RB74 and 1RB0



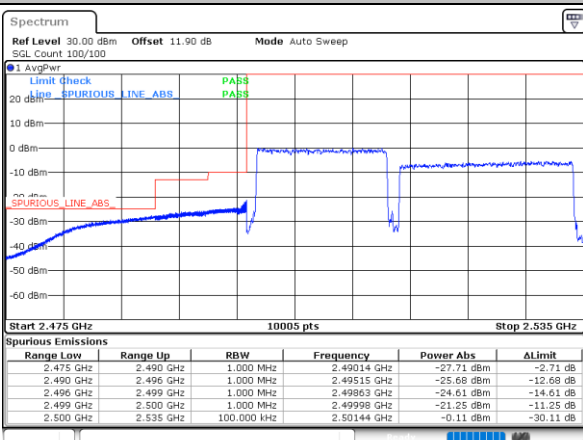
Date: 11.NOV.2021 11:36:47

Highest Band Edge / 1RB74 and 1RB0



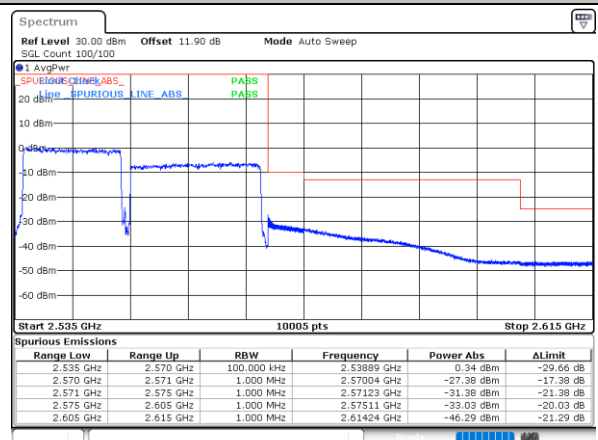
Date: 11.NOV.2021 11:56:09

Lowest Band Edge / Full RB



Date: 11.NOV.2021 11:33:29

Highest Band Edge / Full RB



Date: 11.NOV.2021 11:52:53

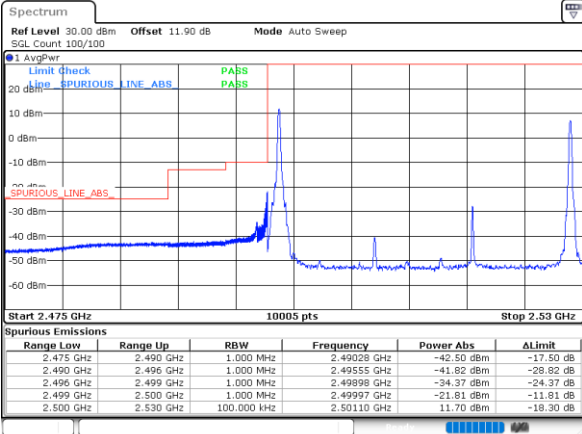




LTE Band 7C / 20MHz+10MHz

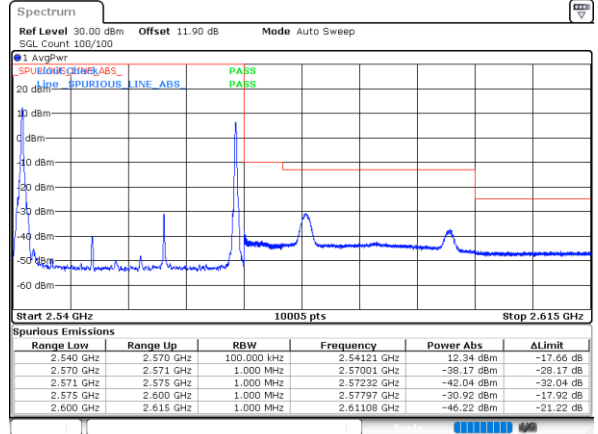
QPSK

Lowest Band Edge / 1RB0 and 1RB49



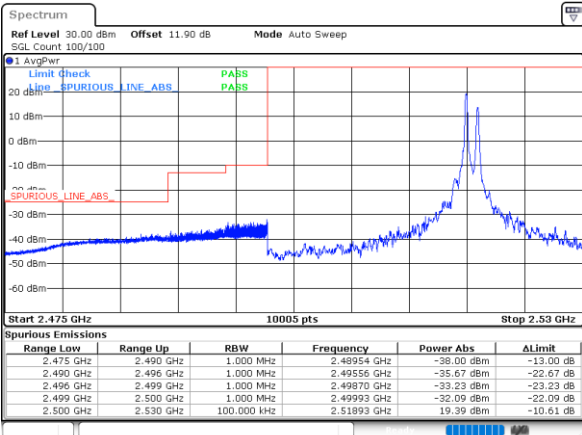
Date: 11.NOV.2021 10:33:25

Highest Band Edge / 1RB0 and 1RB49



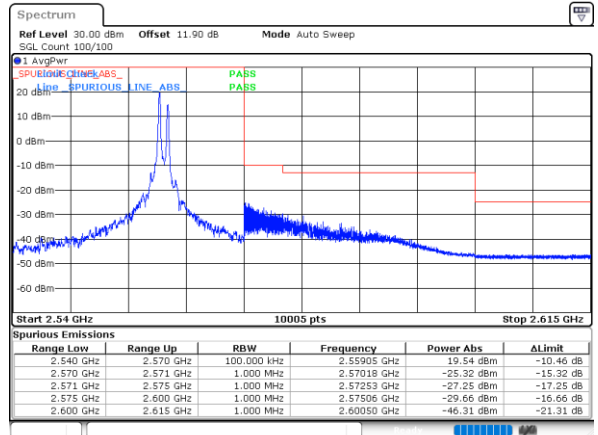
Date: 11.NOV.2021 10:53:15

Lowest Band Edge / 1RB99 and 1RB0



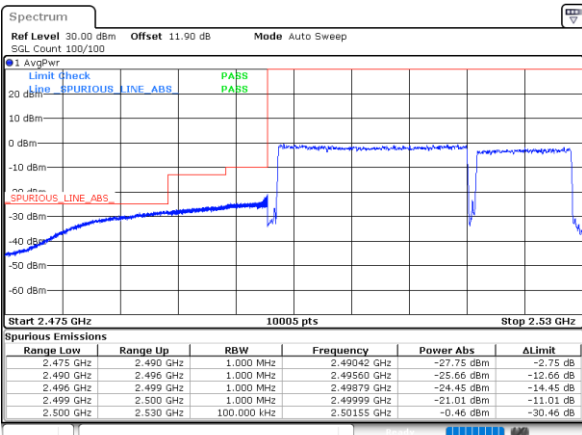
Date: 11.NOV.2021 10:34:25

Highest Band Edge / 1RB99 and 1RB0



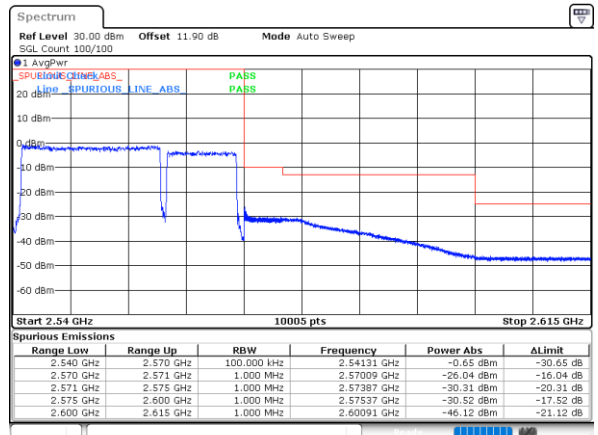
Date: 11.NOV.2021 10:55:58

Lowest Band Edge / Full RB



Date: 11.NOV.2021 10:30:39

Highest Band Edge / Full RB



Date: 11.NOV.2021 10:52:42