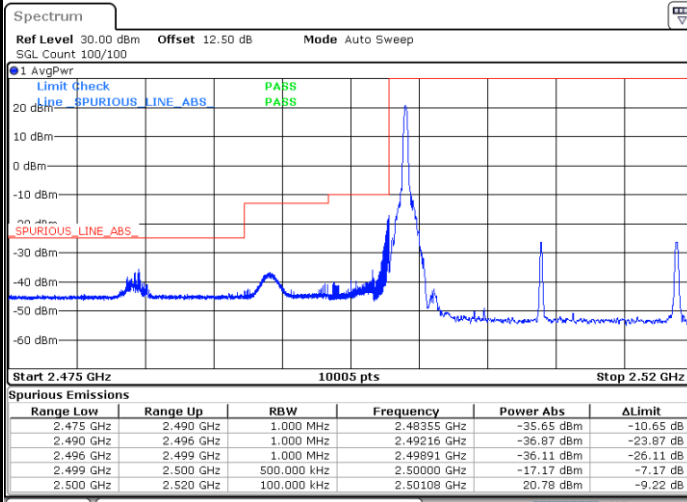




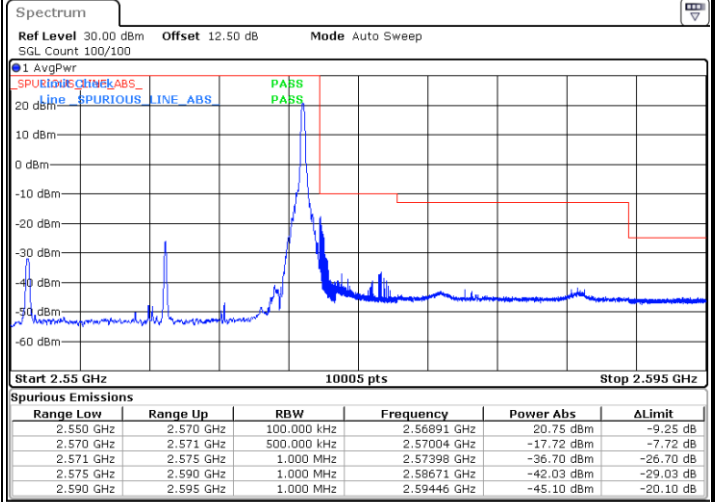
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



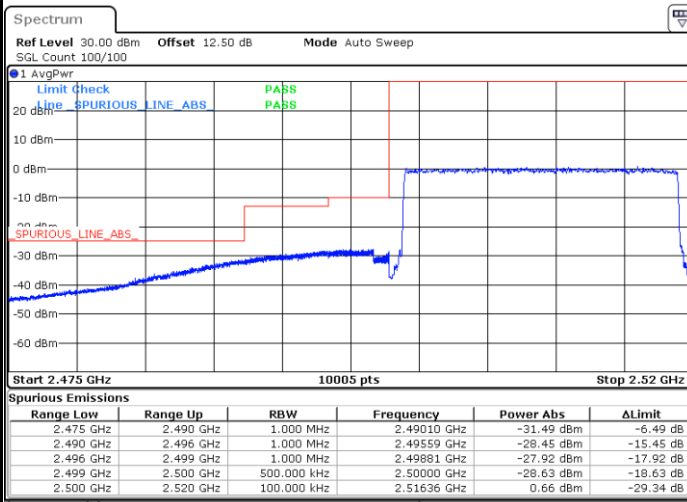
Date: 2.MAR.2022 02:06:41

Highest Band Edge / 1 RB



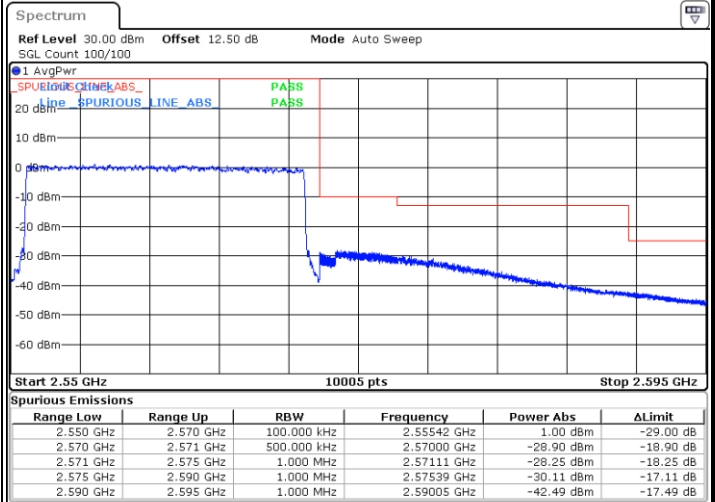
Date: 2.MAR.2022 02:13:54

Lowest Band Edge / Full RB



Date: 2.MAR.2022 02:08:29

Highest Band Edge / Full RB

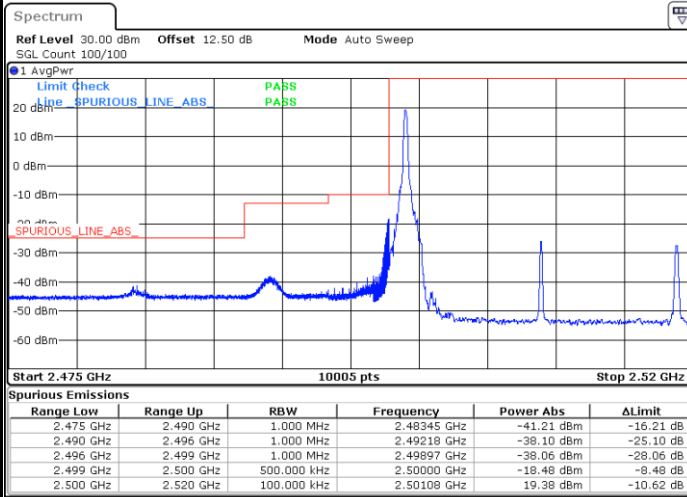


Date: 2.MAR.2022 02:14:47



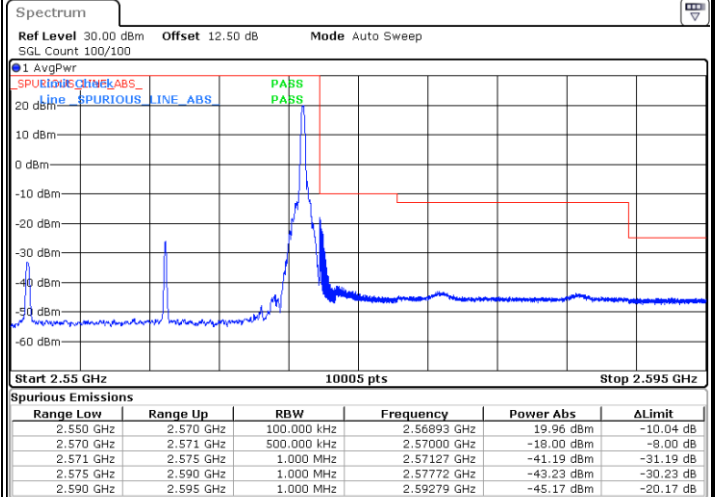
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



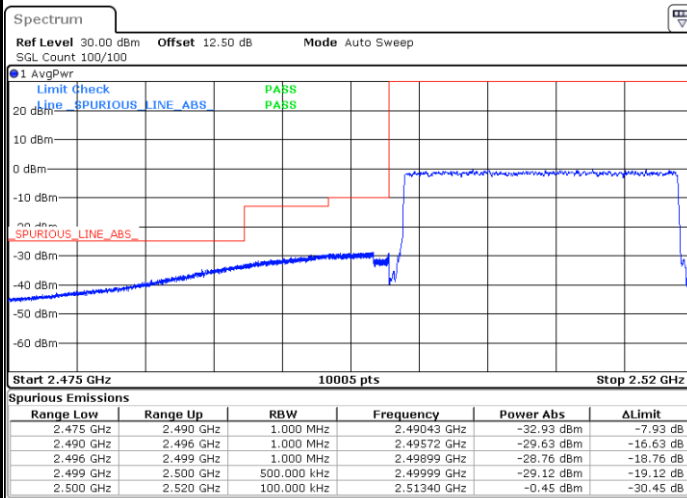
Date: 2.MAR.2022 02:17:38

Highest Band Edge / 1 RB



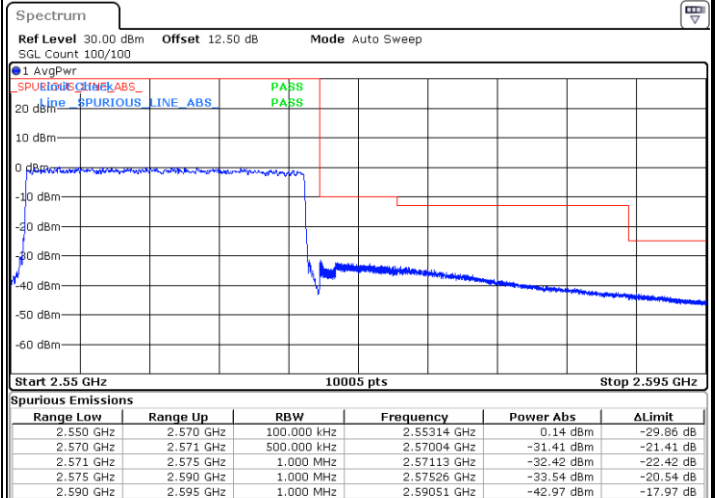
Date: 2.MAR.2022 02:20:13

Lowest Band Edge / Full RB



Date: 2.MAR.2022 02:18:32

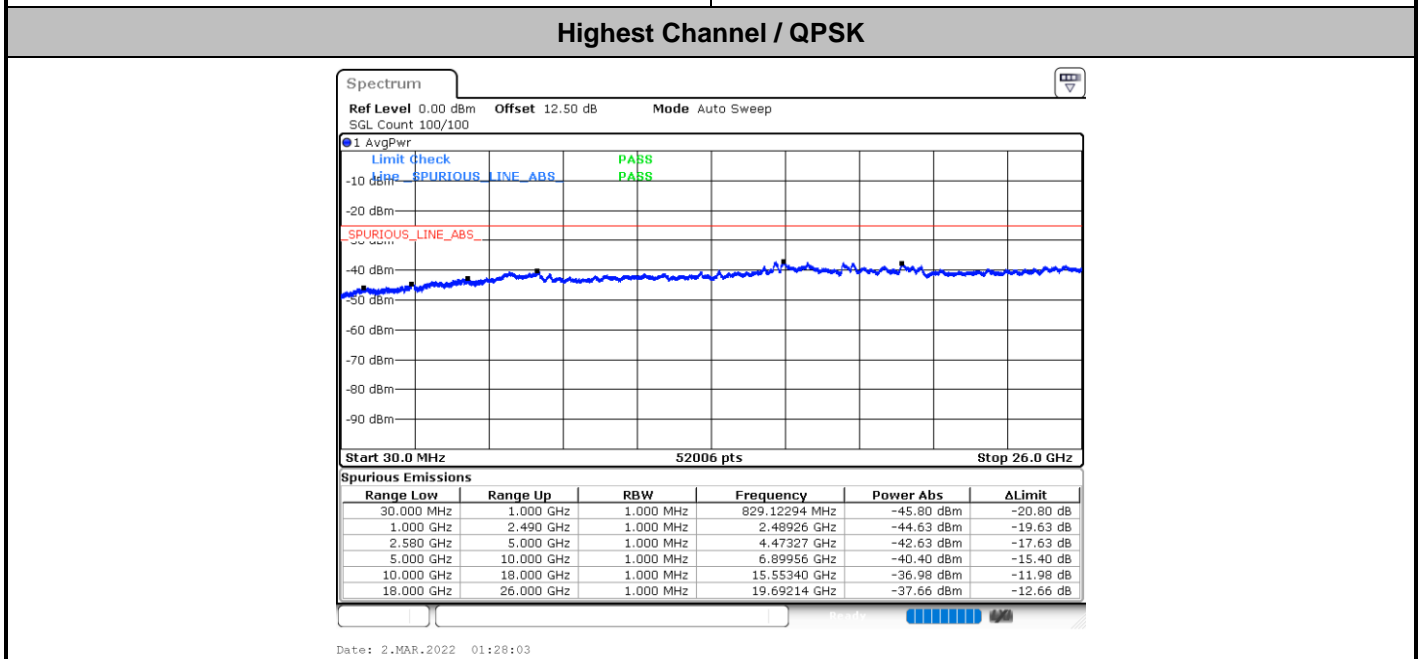
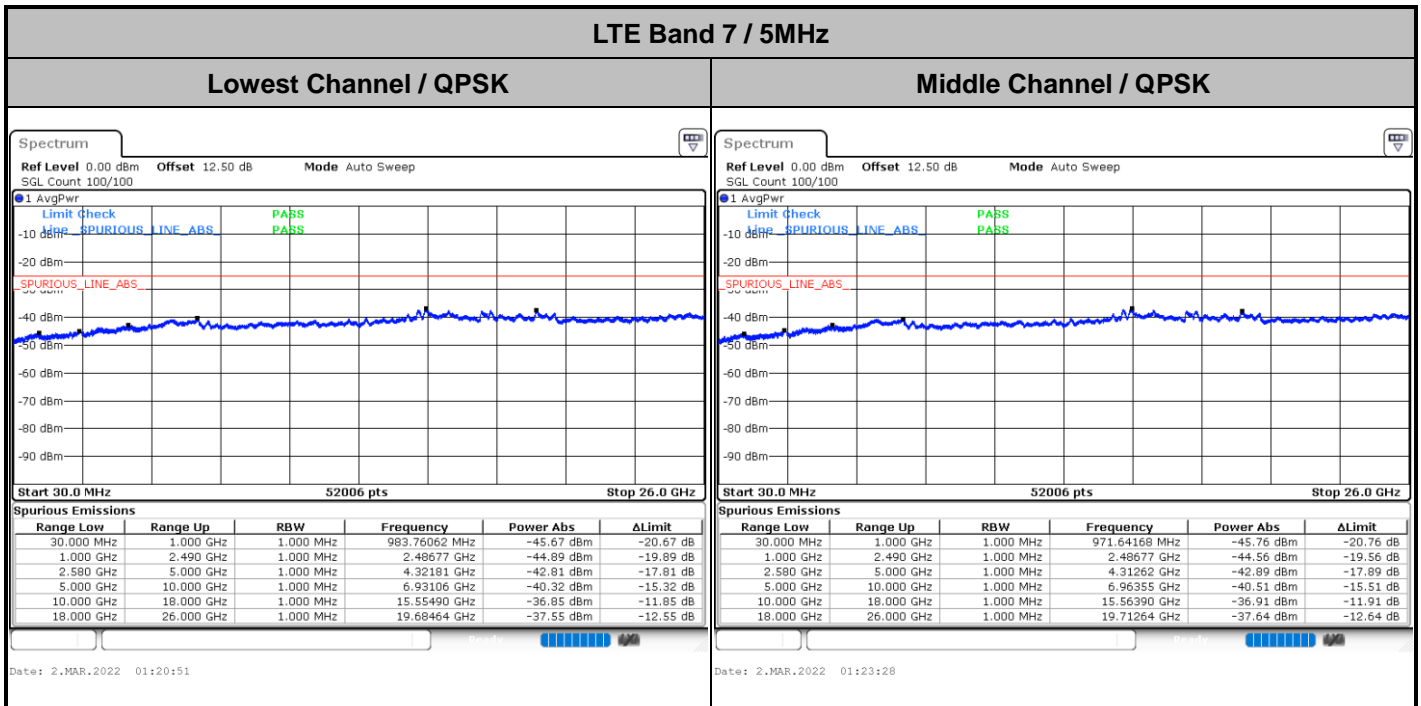
Highest Band Edge / Full RB



Date: 2.MAR.2022 02:21:07



# Conducted Spurious Emission

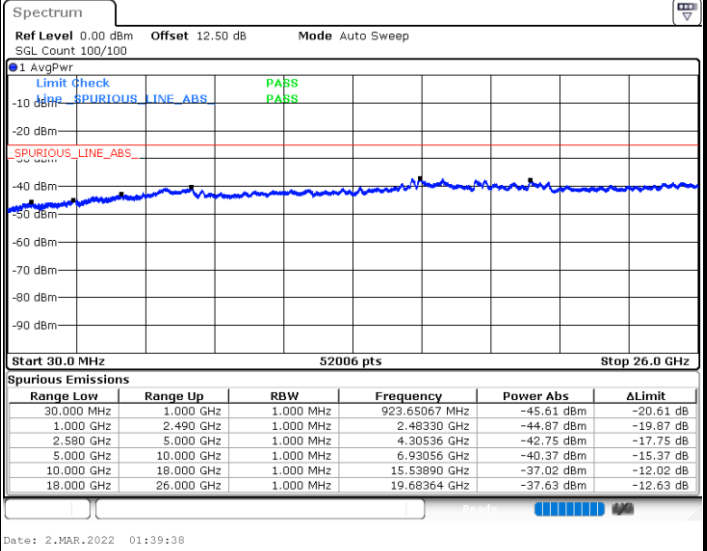
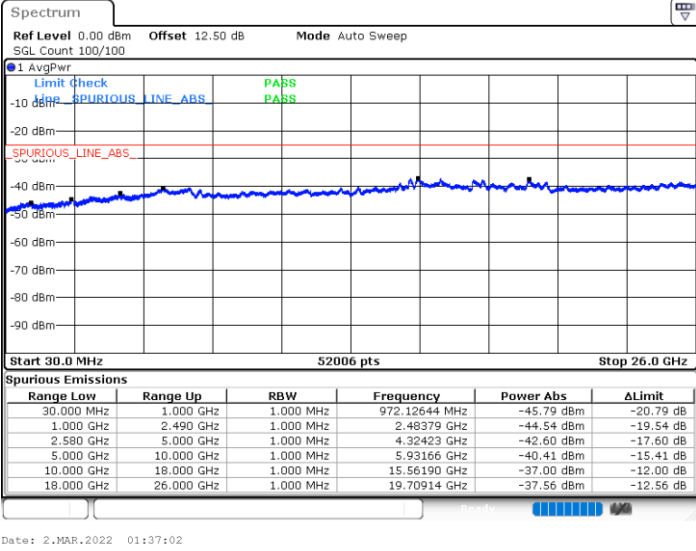




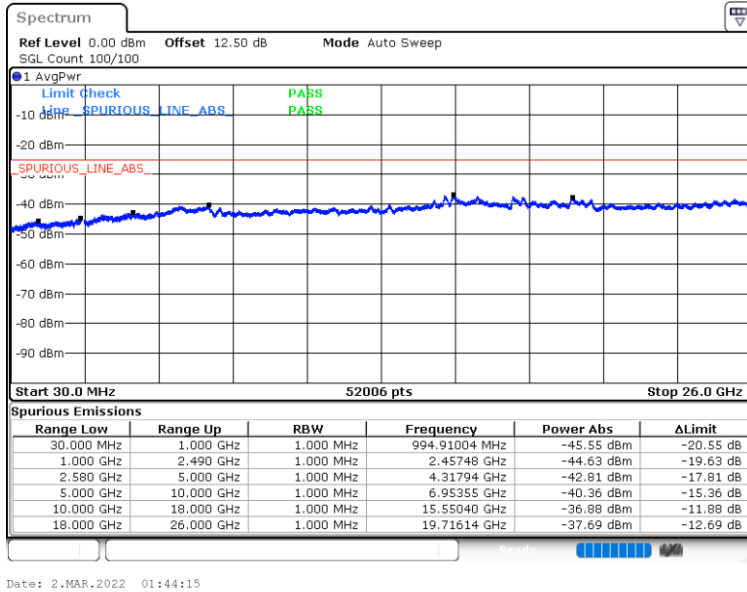
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

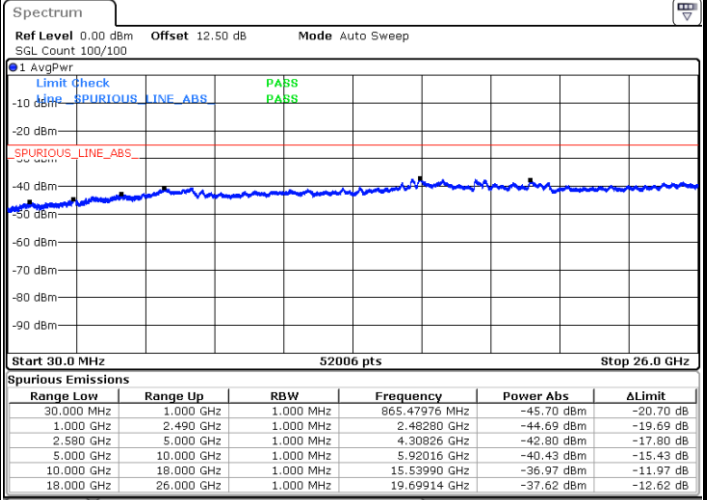
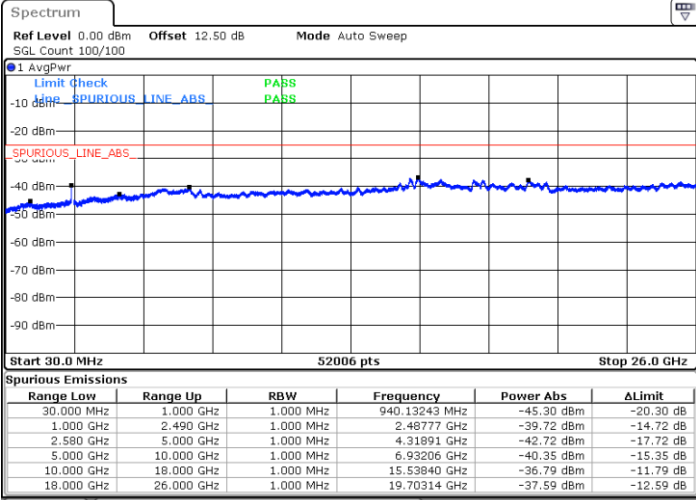




LTE Band 7 / 15MHz

Lowest Channel / QPSK

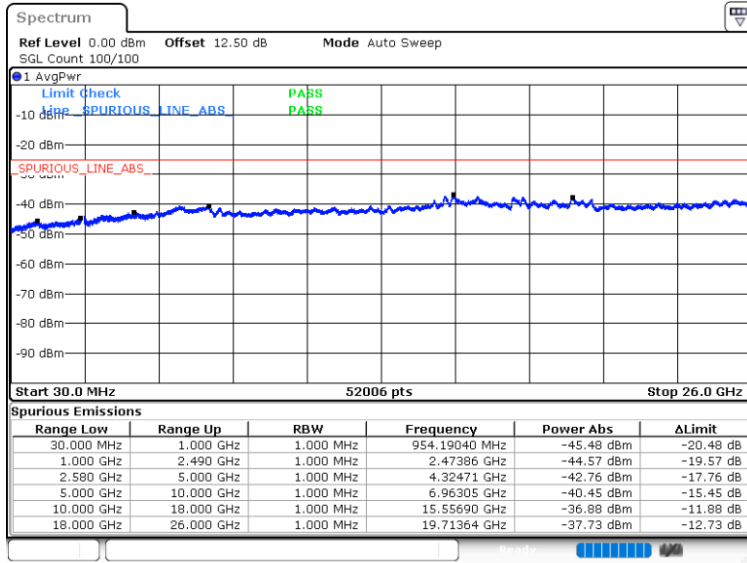
Middle Channel / QPSK



Date: 2.MAR.2022 01:53:15

Date: 2.MAR.2022 01:55:52

Highest Channel / QPSK

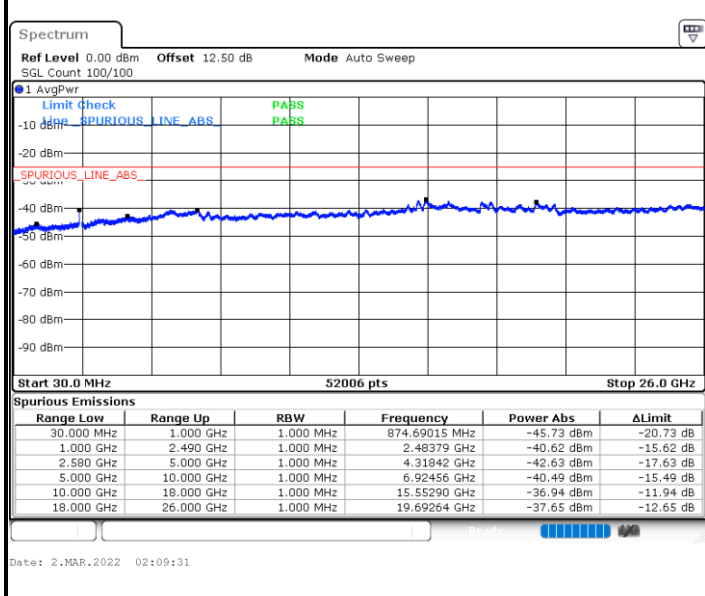


Date: 2.MAR.2022 02:00:28

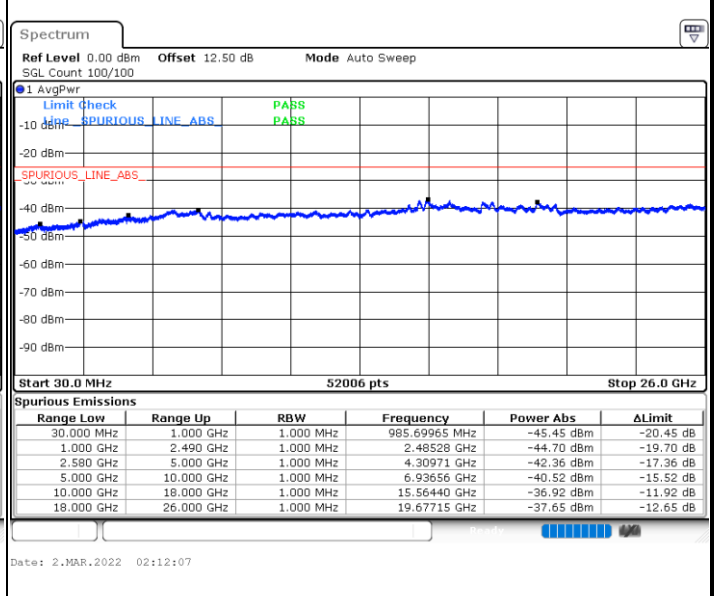


**LTE Band 7 / 20MHz**

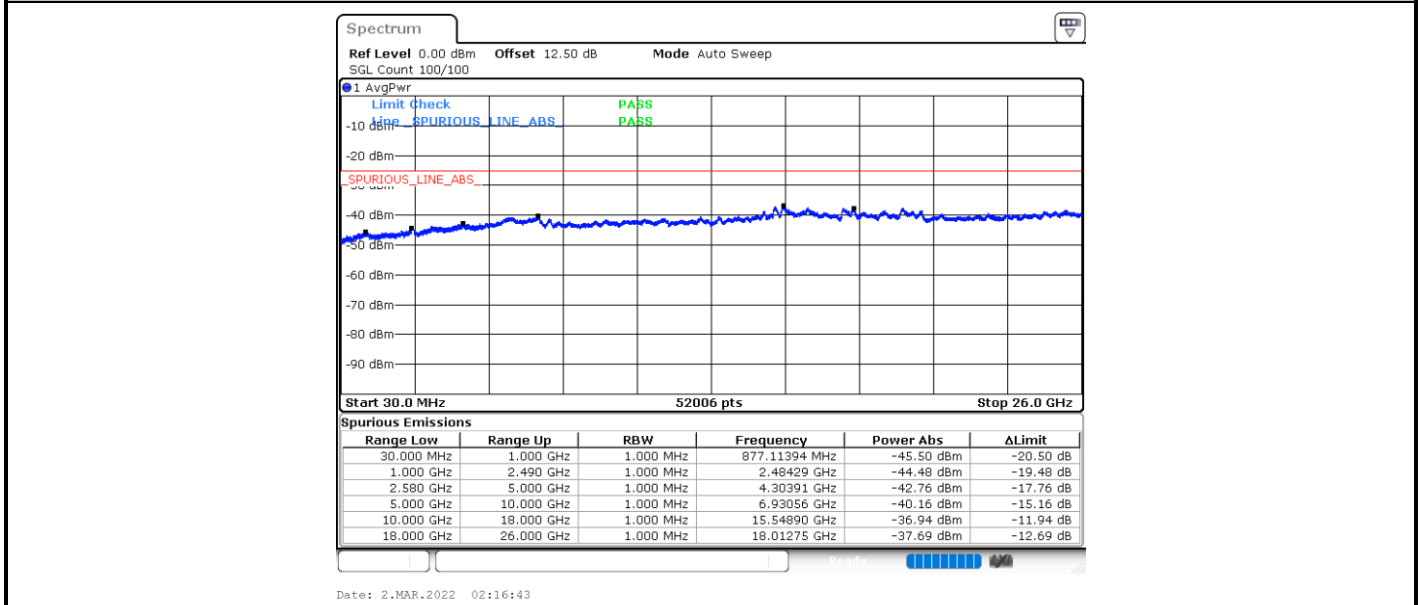
**Lowest Channel / QPSK**



**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	0.0042	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0041	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0040	
20	Battery End Point	0.0035	

**Note:**

- 1. Normal Voltage =4 V. ; Battery End Point (BEP) =3.8 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	30.57	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	35.04	39.72	

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.85	25.13	30.33	34.69
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.97	34.83	39.80	

Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.85	25.23	30.45	34.76
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	34.76	39.72	

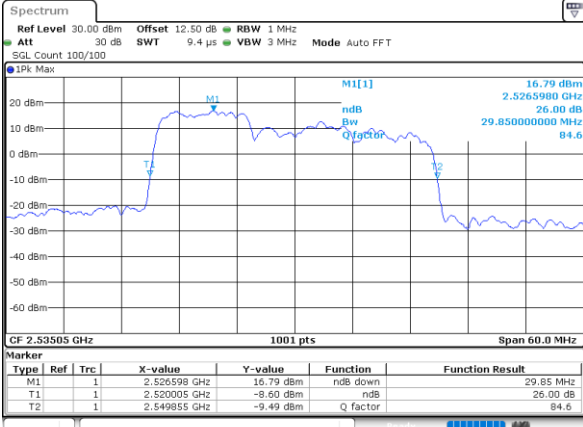




LTE Band 7C

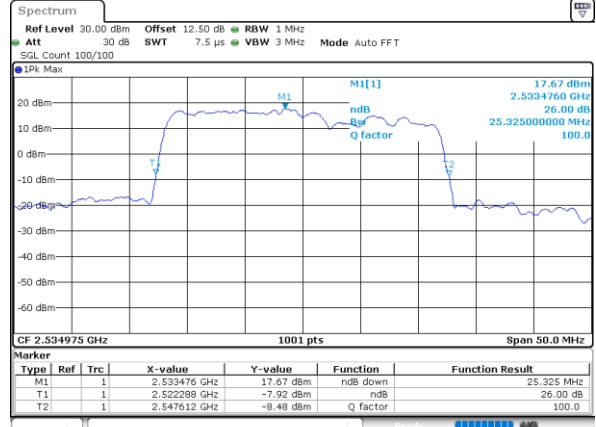
QPSK

Middle Channel / 10MHz+20MHz



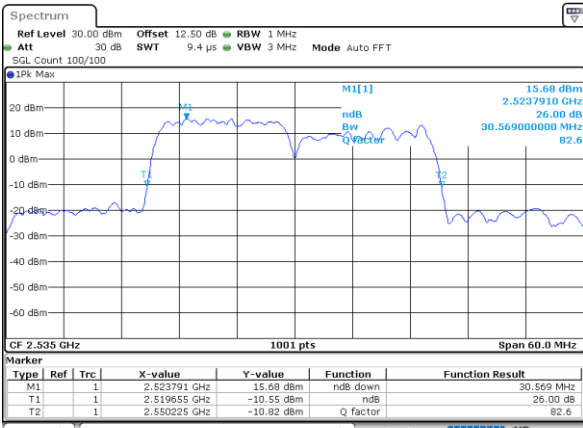
Date: 19, APR, 2022 17:28:16

Middle Channel / 15MHz+10MHz



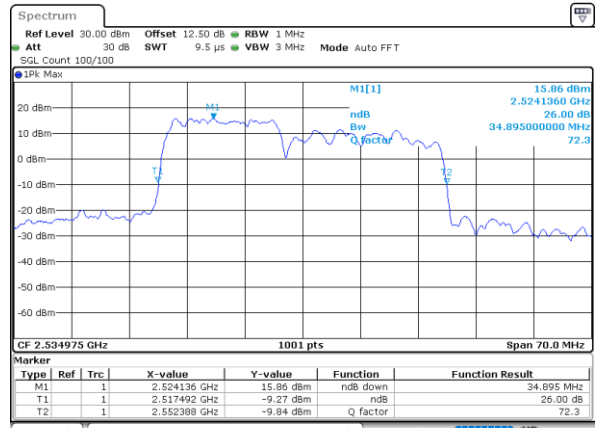
Date: 19, APR, 2022 17:38:58

Middle Channel / 15MHz+15MHz



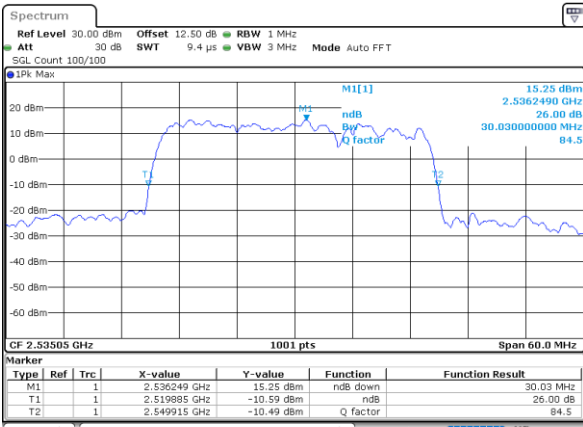
Date: 19, APR, 2022 17:31:55

Middle Channel / 15MHz+20MHz



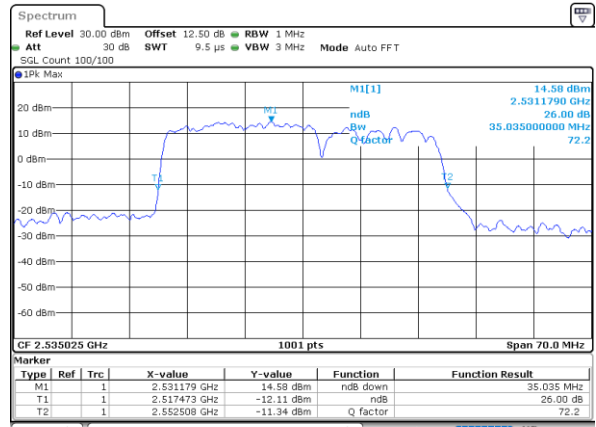
Date: 19, APR, 2022 17:33:37

Middle Channel / 20MHz+10MHz



Date: 19, APR, 2022 17:30:03

Middle Channel / 20MHz+15MHz



Date: 19, APR, 2022 17:35:24

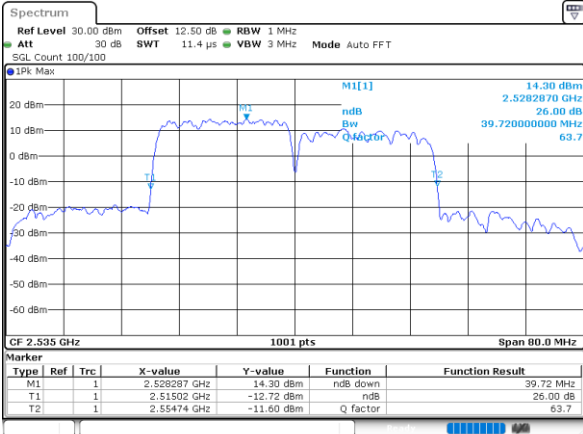


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



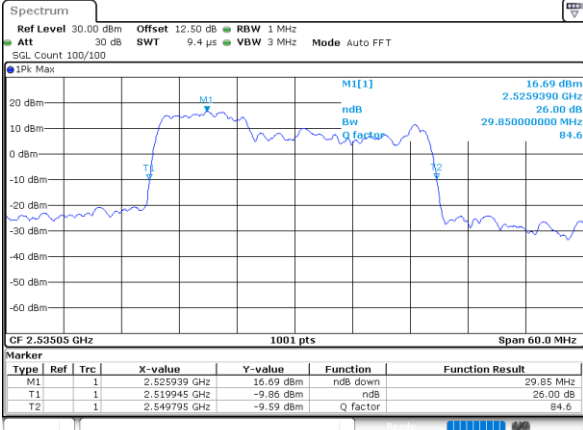
Date: 19\_APR\_2022 17:37:07



LTE Band 7C

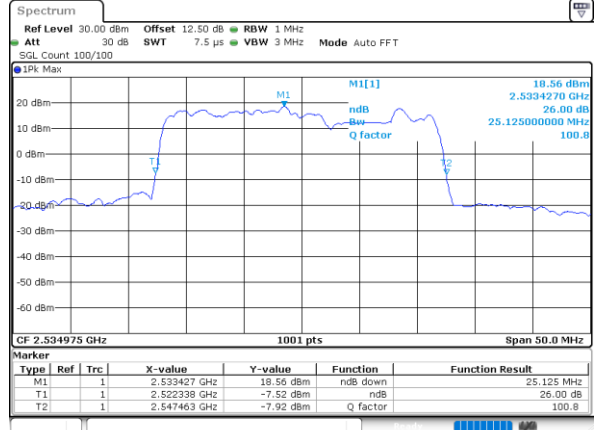
16QAM

Middle Channel / 10MHz+20MHz



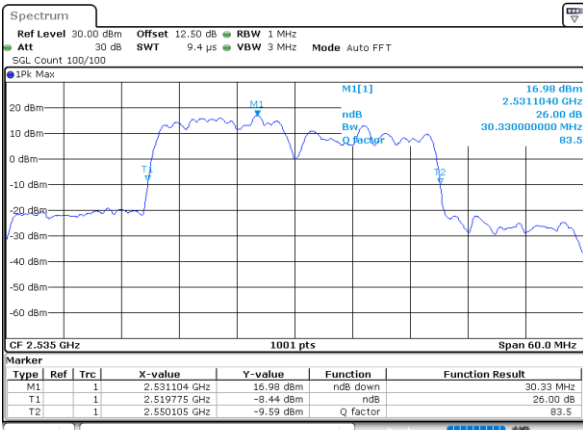
Date: 19\_APR.2022 17:27:43

Middle Channel / 15MHz+10MHz



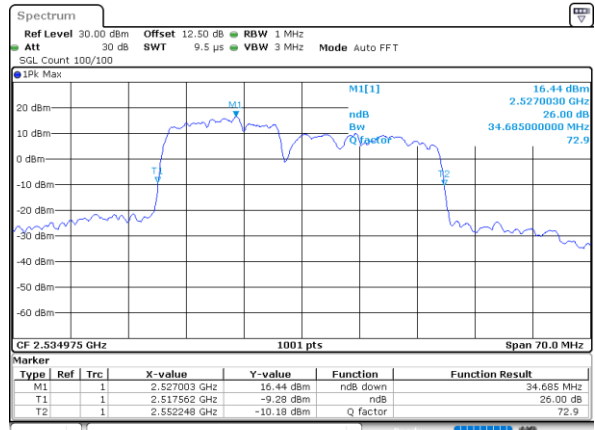
Date: 19\_APR.2022 17:38:25

Middle Channel / 15MHz+15MHz



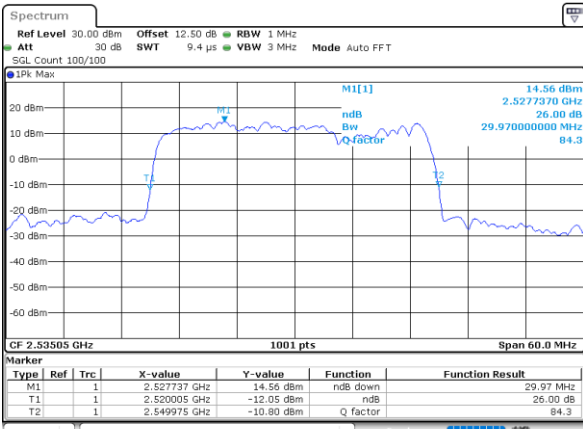
Date: 19\_APR.2022 17:31:22

Middle Channel / 15MHz+20MHz



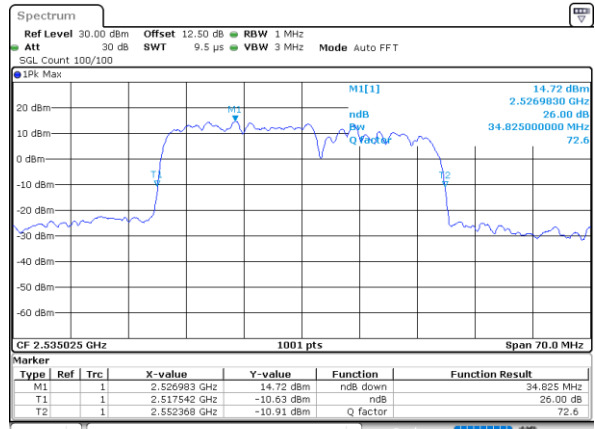
Date: 19\_APR.2022 17:33:05

Middle Channel / 20MHz+10MHz



Date: 19\_APR.2022 17:29:30

Middle Channel / 20MHz+15MHz



Date: 19\_APR.2022 17:34:51

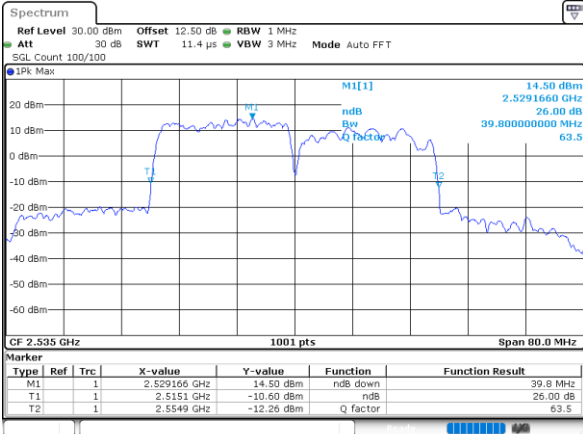


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



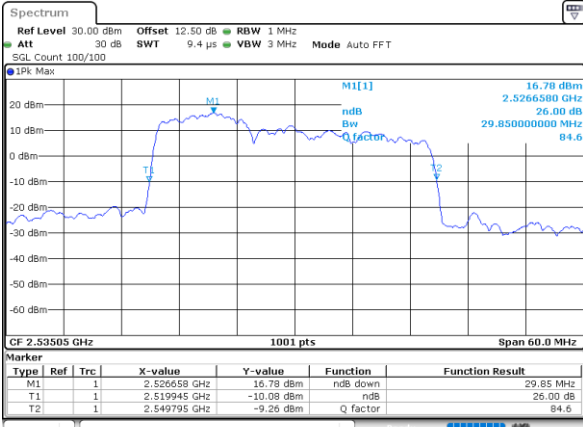
Date: 19\_APR\_2022 17:36:34



LTE Band 7C

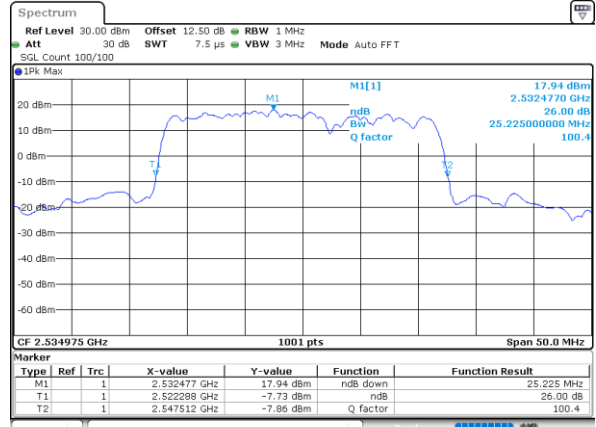
64QAM

Middle Channel / 10MHz+20MHz



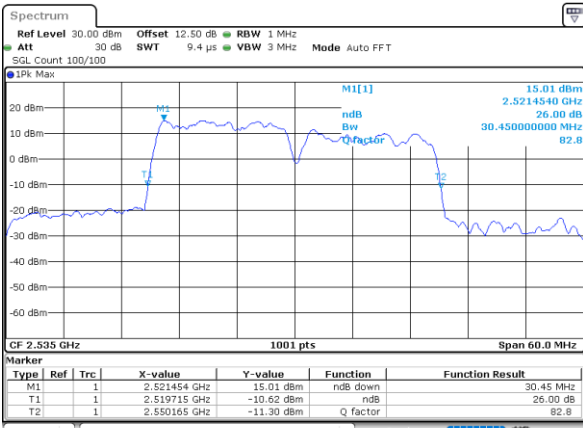
Date: 19, APR, 2022 17:27:10

Middle Channel / 15MHz+10MHz



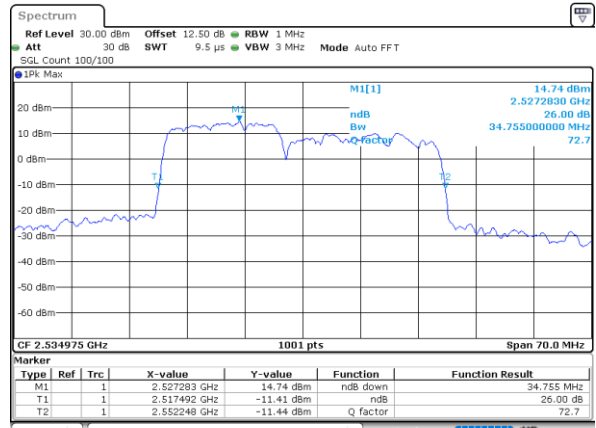
Date: 19, APR, 2022 17:37:52

Middle Channel / 15MHz+15MHz



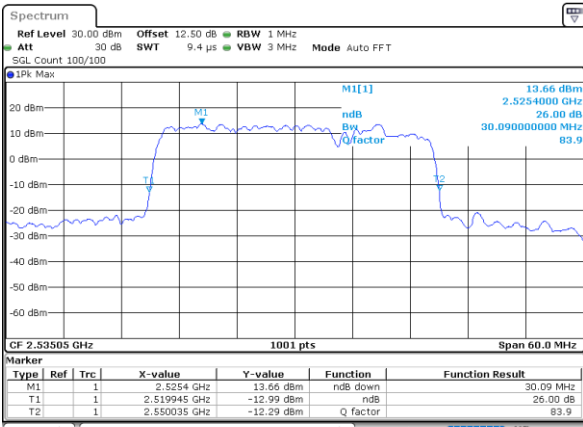
Date: 19, APR, 2022 17:30:49

Middle Channel / 15MHz+20MHz



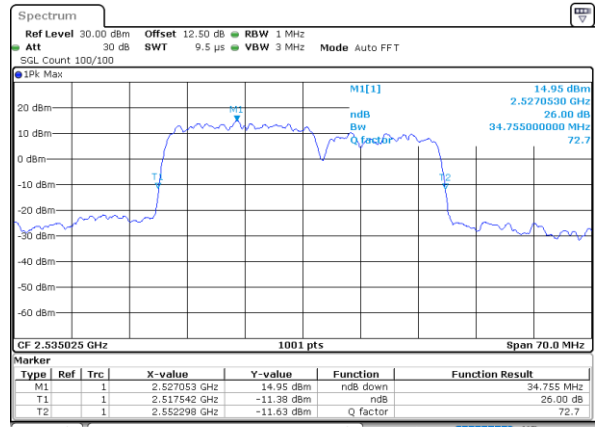
Date: 19, APR, 2022 17:32:32

Middle Channel / 20MHz+10MHz



Date: 19, APR, 2022 17:28:59

Middle Channel / 20MHz+15MHz



Date: 19, APR, 2022 17:34:18

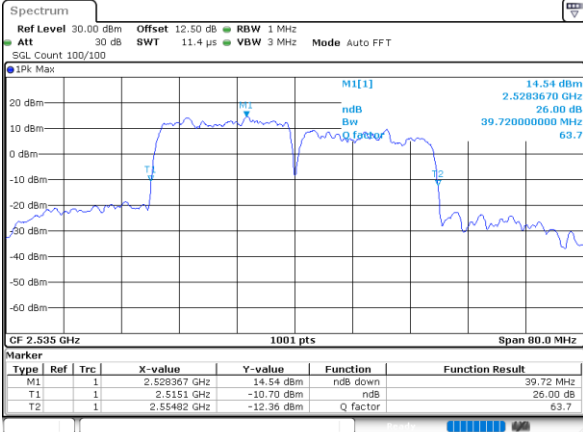


LTE Band 7C

64QAM

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	28.05	23.33	28.11	32.59
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.93	32.45	37.24	

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.81	23.28	28.23	32.73
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.81	32.59	37.32	

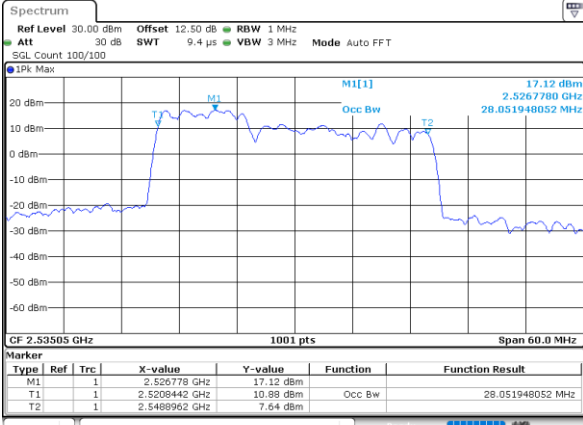
Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.99	23.43	28.35	32.73
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.57	32.52	37.24	



LTE Band 7C

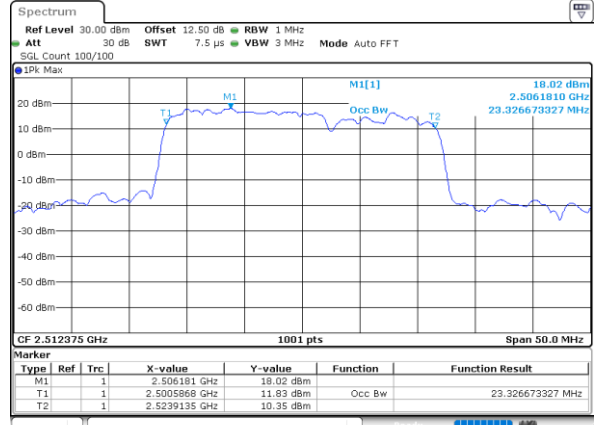
QPSK

Middle Channel / 10MHz+20MHz



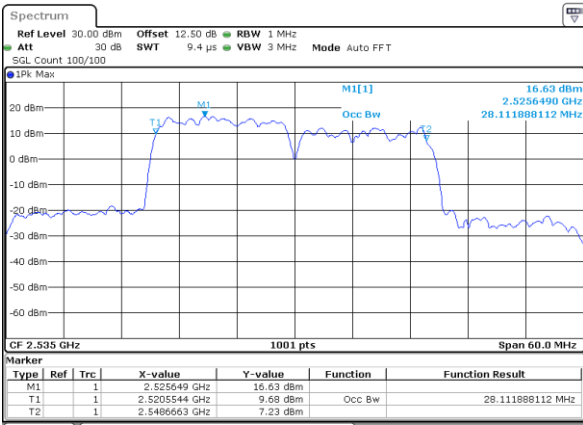
Date: 19\_APR.2022 10:31:25

Middle Channel / 15MHz+10MHz



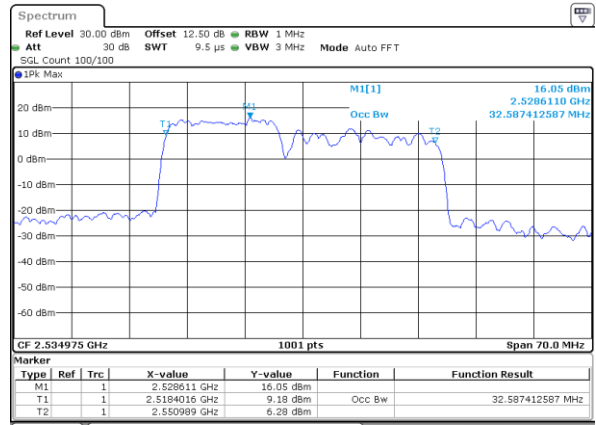
Date: 19\_APR.2022 12:07:01

Middle Channel / 15MHz+15MHz



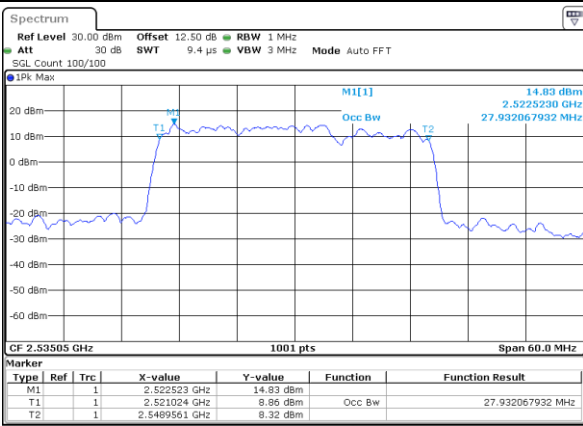
Date: 19\_APR.2022 11:10:40

Middle Channel / 15MHz+20MHz



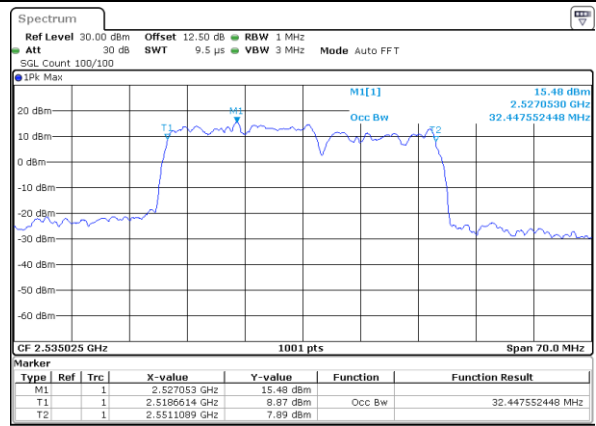
Date: 19\_APR.2022 11:26:00

Middle Channel / 20MHz+10MHz



Date: 19\_APR.2022 10:46:35

Middle Channel / 20MHz+15MHz



Date: 19\_APR.2022 11:41:26



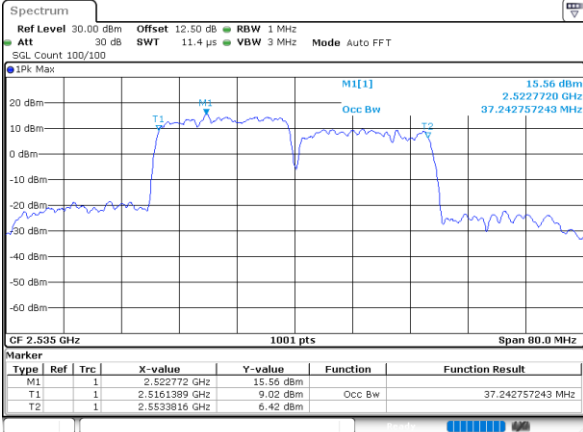


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A

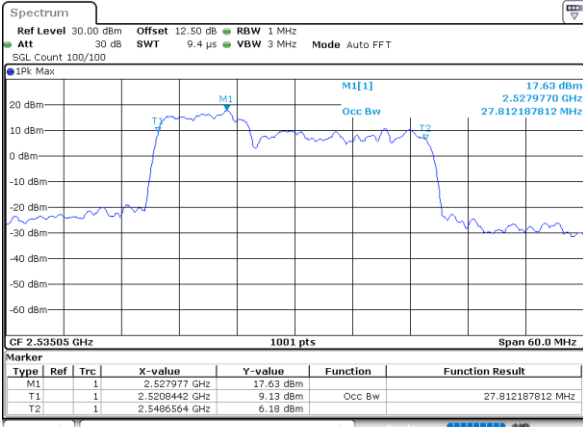




LTE Band 7C

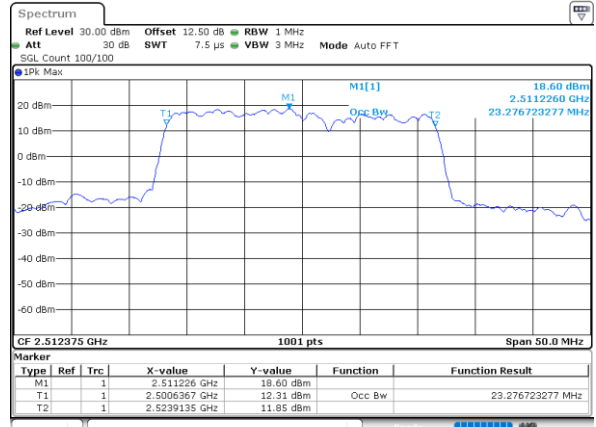
16QAM

Middle Channel / 10MHz+20MHz



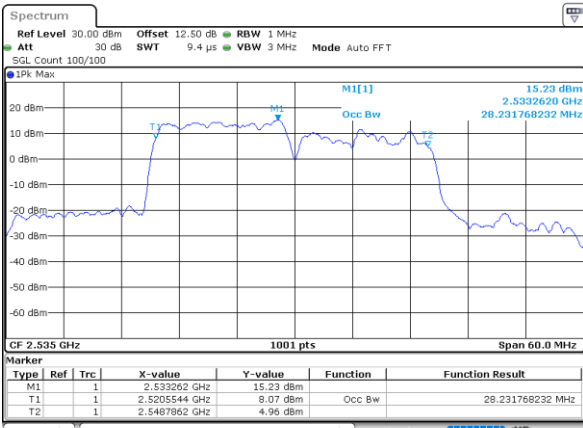
Date: 19\_APR.2022 10:34:10

Middle Channel / 15MHz+10MHz



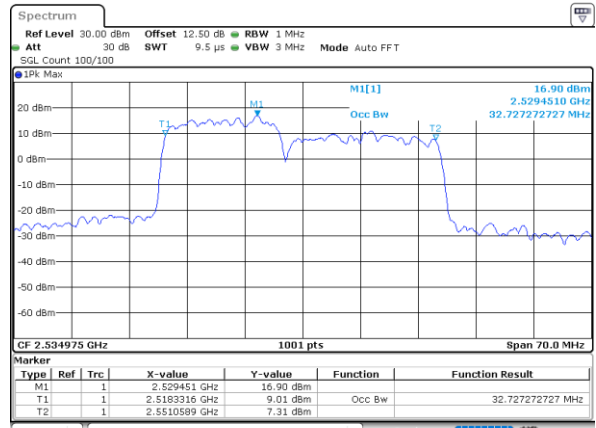
Date: 19\_APR.2022 12:09:47

Middle Channel / 15MHz+15MHz



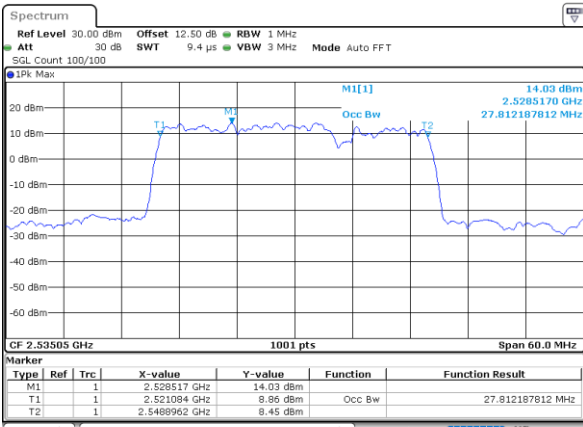
Date: 19\_APR.2022 11:13:25

Middle Channel / 15MHz+20MHz



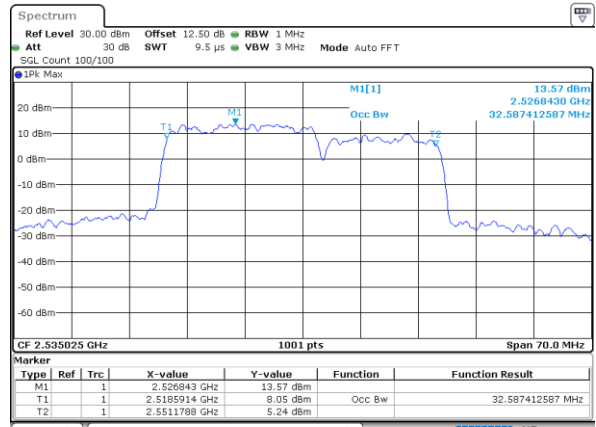
Date: 19\_APR.2022 11:28:48

Middle Channel / 20MHz+10MHz



Date: 19\_APR.2022 10:49:23

Middle Channel / 20MHz+15MHz



Date: 19\_APR.2022 11:44:11

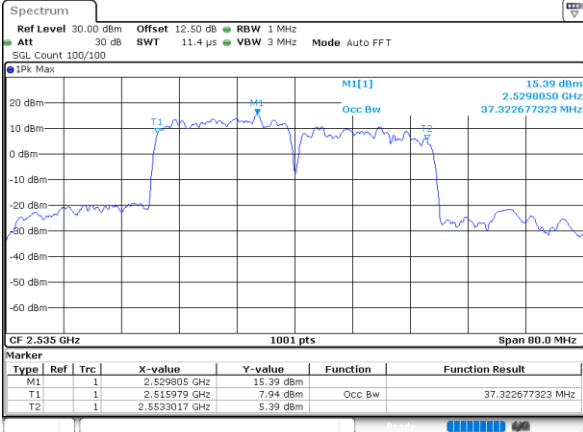


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



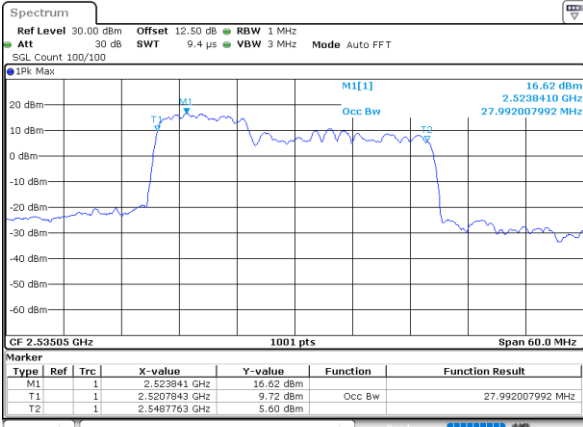
Date: 19\_APR\_2022 11:59:25



LTE Band 7C

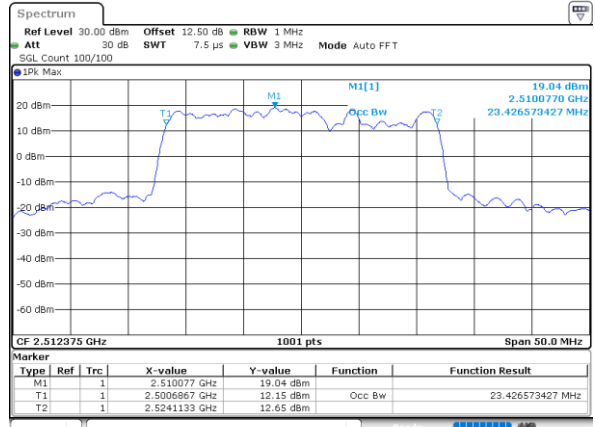
64QAM

Middle Channel / 10MHz+20MHz



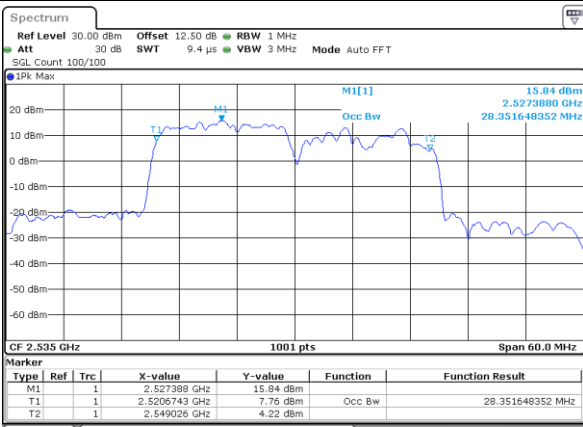
Date: 19, APR, 2022 10:34:43

Middle Channel / 15MHz+10MHz



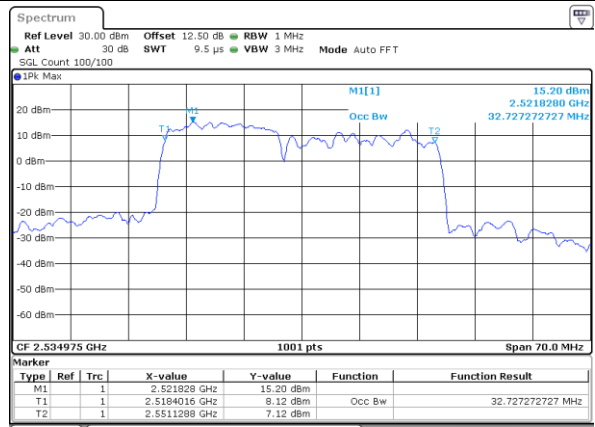
Date: 19, APR, 2022 12:11:20

Middle Channel / 15MHz+15MHz



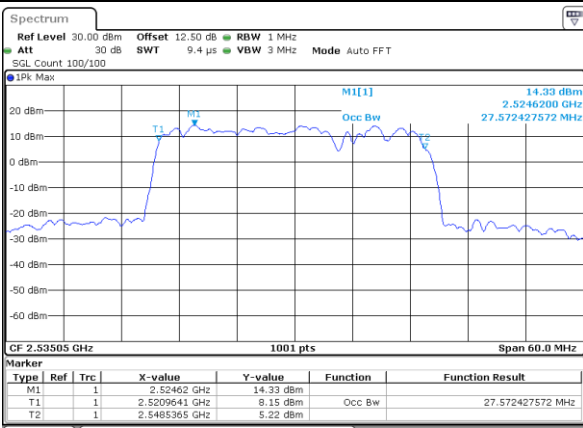
Date: 19, APR, 2022 11:13:58

Middle Channel / 15MHz+20MHz



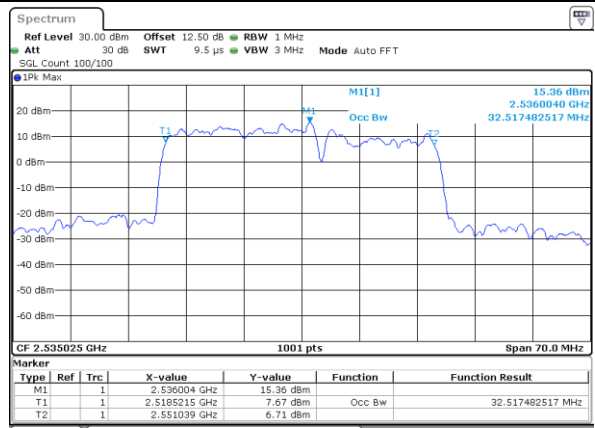
Date: 19, APR, 2022 11:29:21

Middle Channel / 20MHz+10MHz



Date: 19, APR, 2022 10:49:56

Middle Channel / 20MHz+15MHz



Date: 19, APR, 2022 11:44:44

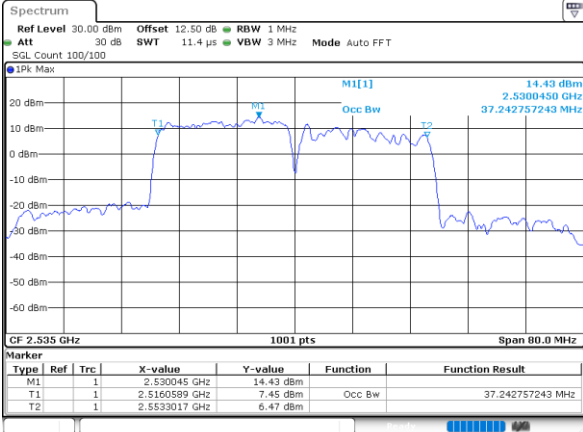


LTE Band 7C

64QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 19\_APR\_2022 12:00:01



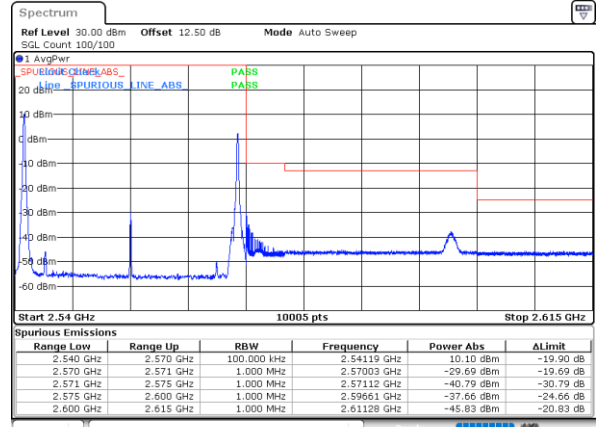
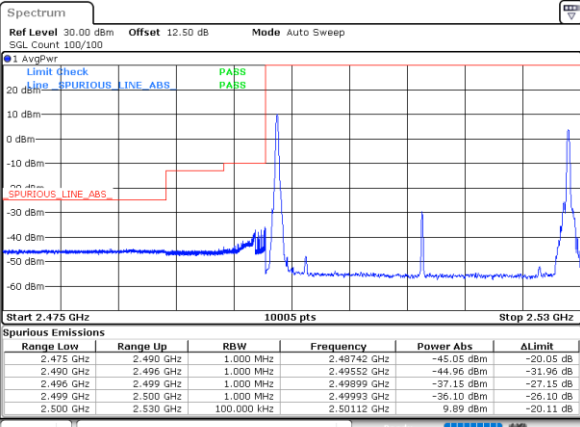
# Conducted Band Edge

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

### QPSK

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

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

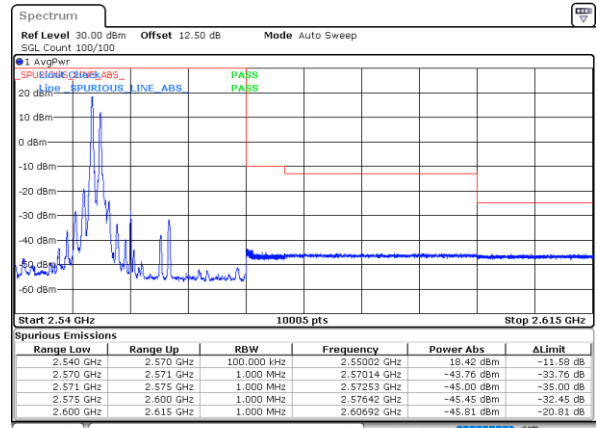
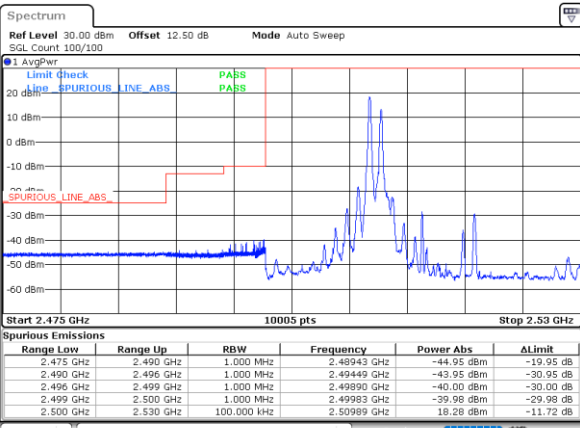


Date: 19.APR.2022 14:23:59

Date: 19.APR.2022 14:09:52

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

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

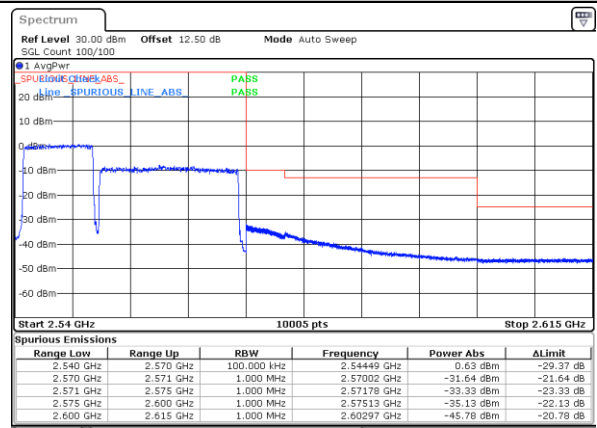
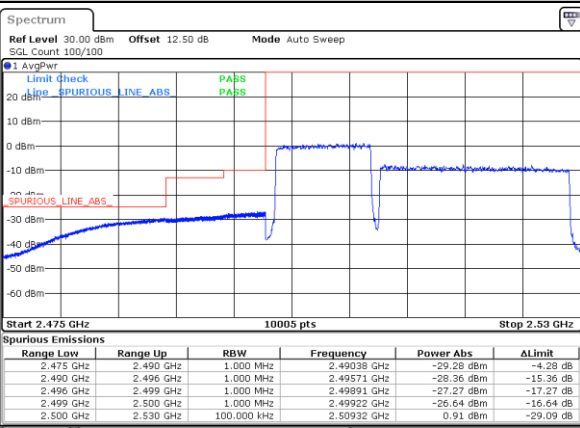


Date: 19.APR.2022 14:25:02

Date: 19.APR.2022 14:15:05

#### Lowest Band Edge / Full RB

#### Highest Band Edge / Full RB



Date: 19.APR.2022 14:18:45

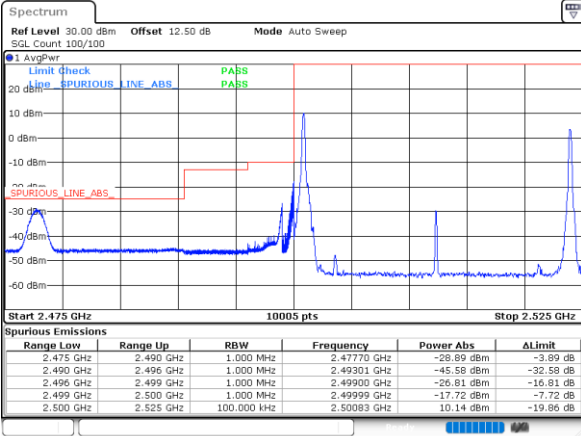
Date: 19.APR.2022 14:08:50



LTE Band 7C / 15MHz+10MHz

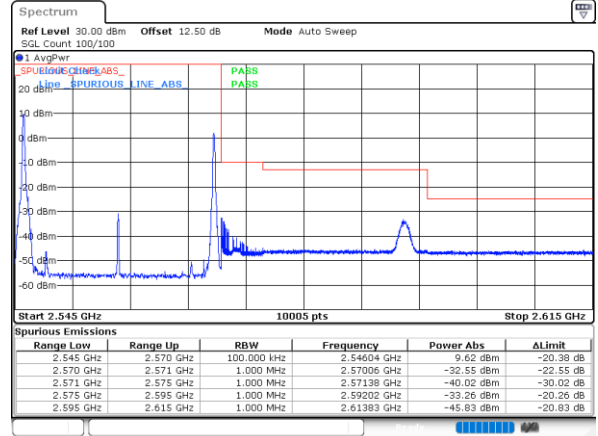
QPSK

Lowest Band Edge / 1RB0 and 1RB49



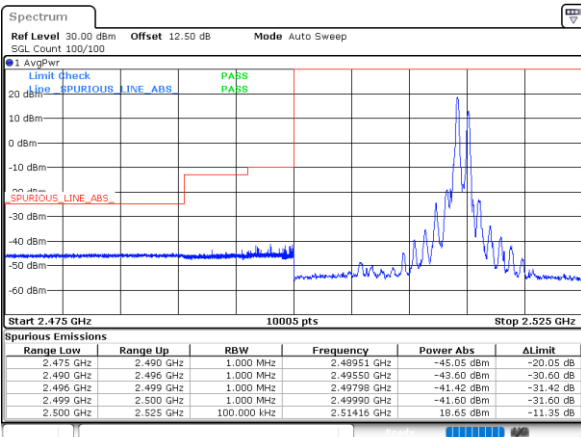
Date: 19.APR.2022 17:04:03

Highest Band Edge / 1RB0 and 1RB49



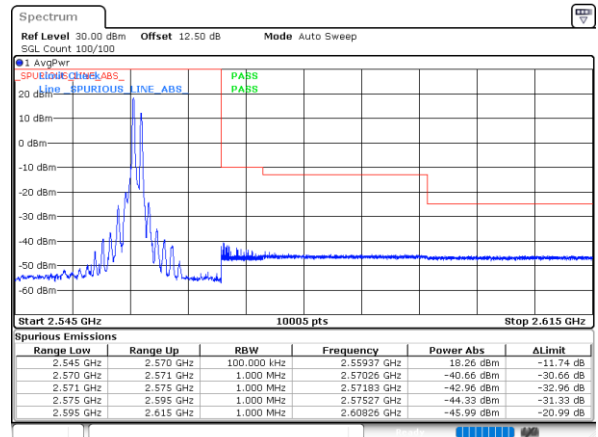
Date: 19.APR.2022 16:49:56

Lowest Band Edge / 1RB74 and 1RB0



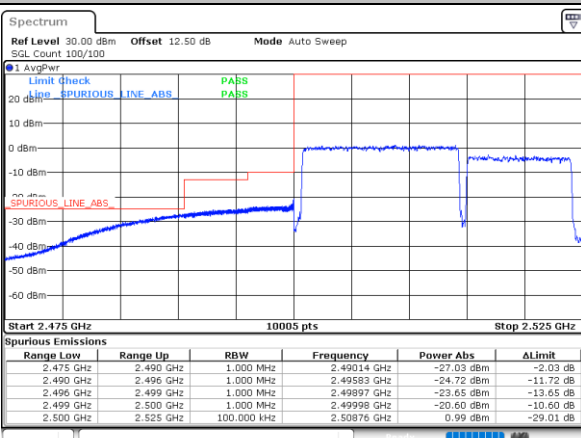
Date: 19.APR.2022 17:05:06

Highest Band Edge / 1RB74 and 1RB0



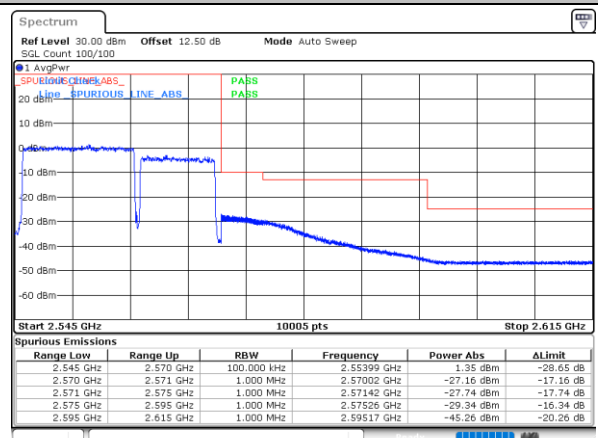
Date: 19.APR.2022 16:55:09

Lowest Band Edge / Full RB



Date: 19.APR.2022 16:58:48

Highest Band Edge / Full RB



Date: 19.APR.2022 16:48:54

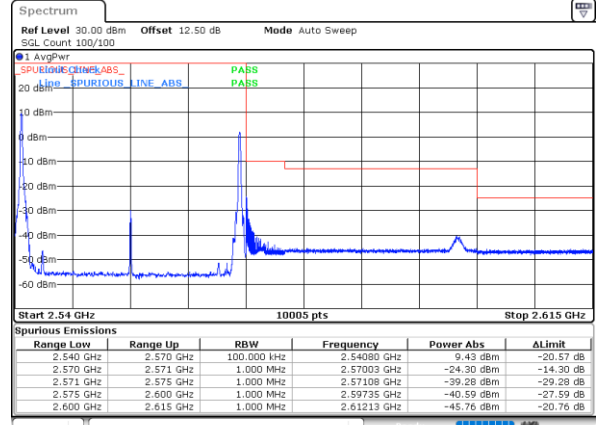
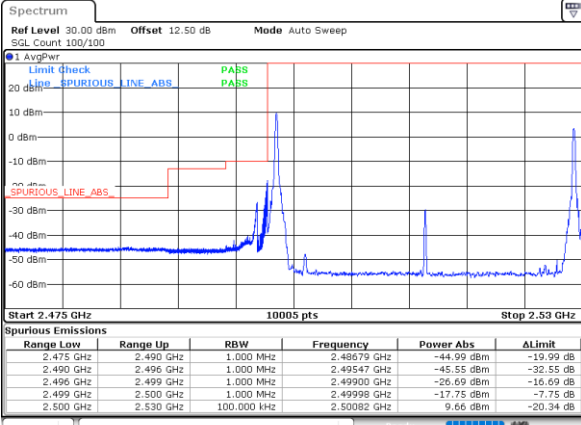


LTE Band 7C / 15MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

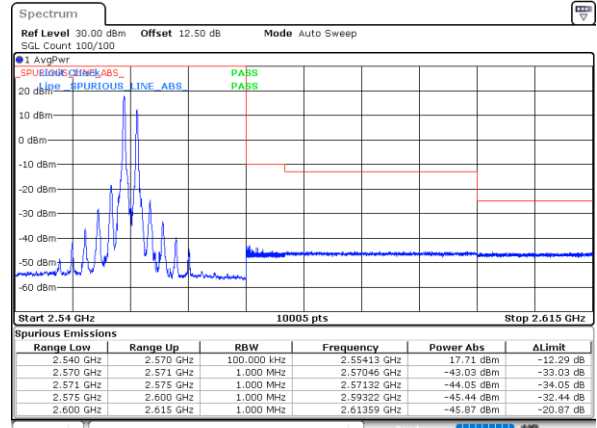
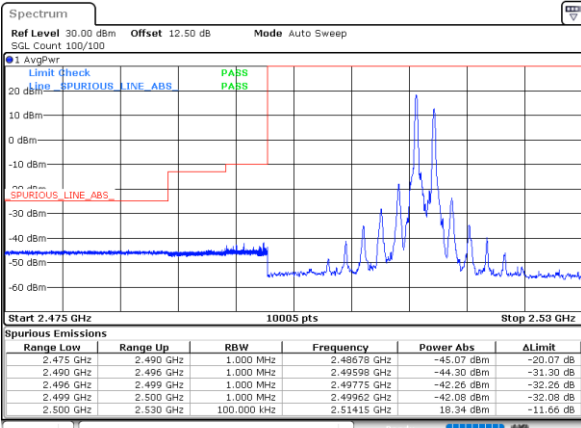


Date: 19.APR.2022 15:17:28

Date: 19.APR.2022 15:03:21

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

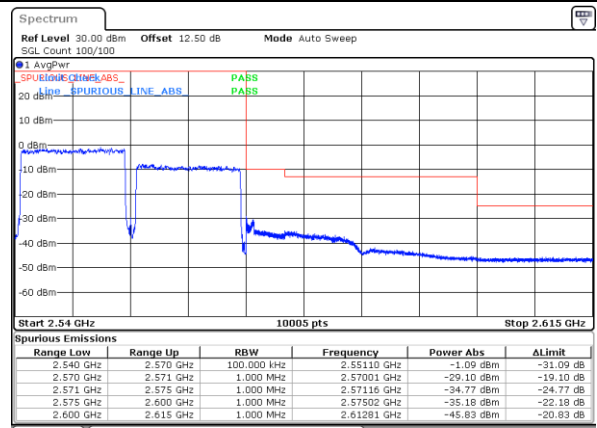
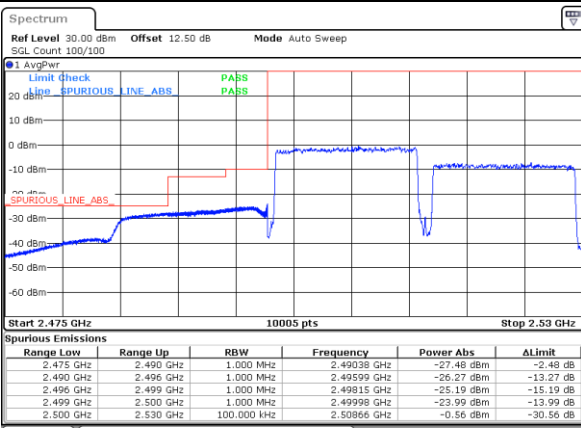


Date: 19.APR.2022 15:18:31

Date: 19.APR.2022 15:08:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.APR.2022 15:12:13

Date: 19.APR.2022 15:02:18



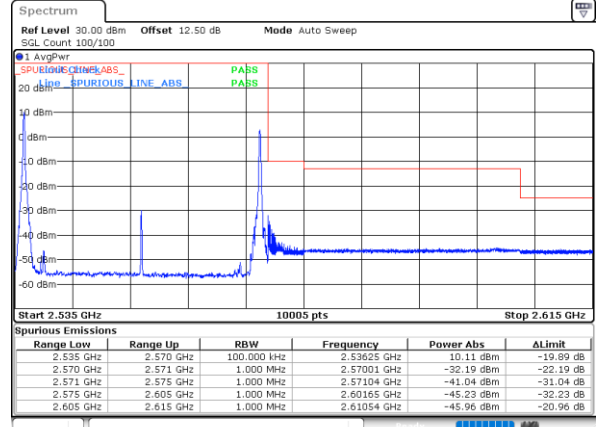
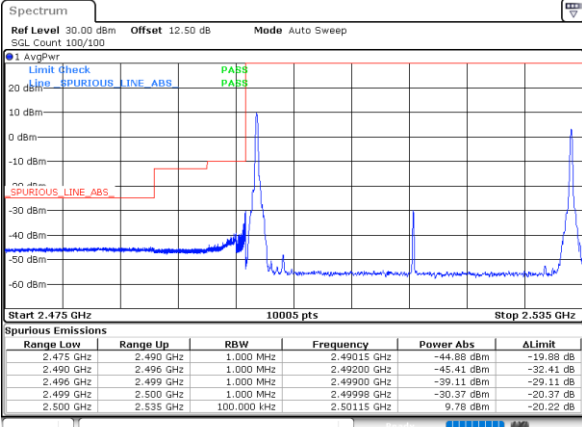


LTE Band 7C / 15MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

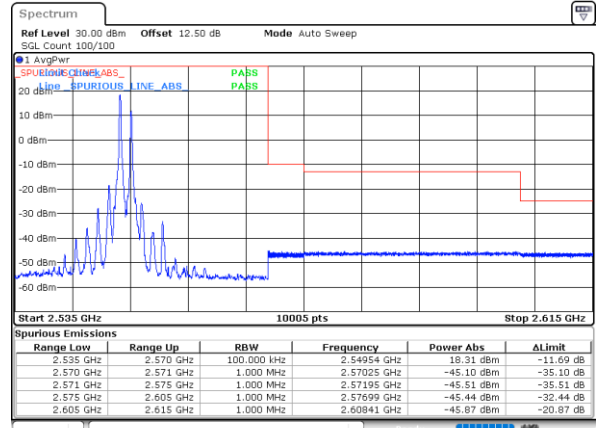
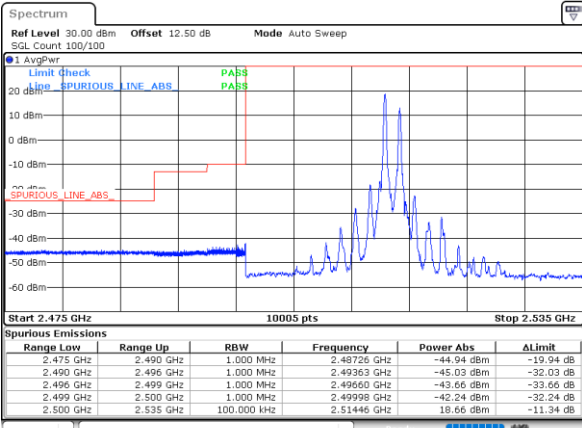


Date: 19.APR.2022 15:44:03

Date: 19.APR.2022 15:29:55

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

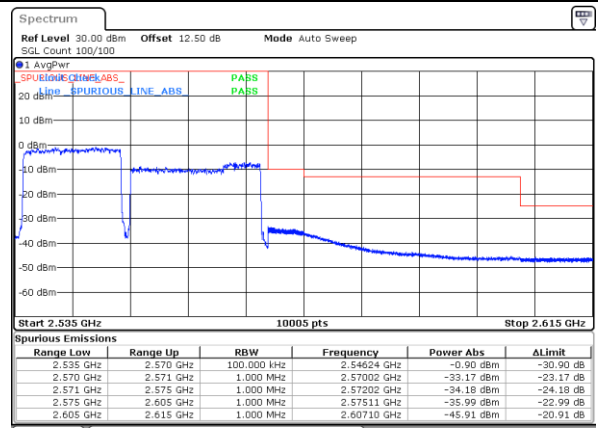
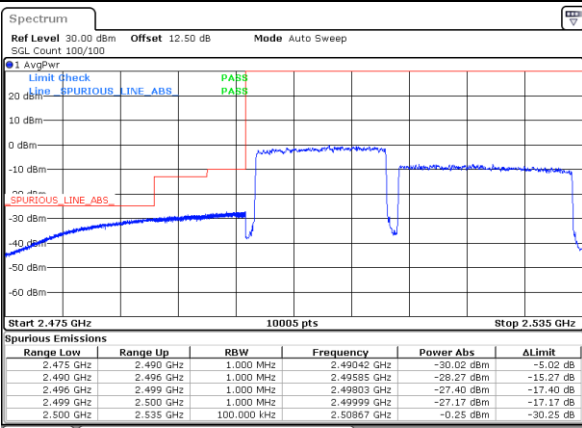


Date: 19.APR.2022 15:45:06

Date: 19.APR.2022 15:35:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.APR.2022 15:38:48

Date: 19.APR.2022 15:28:52

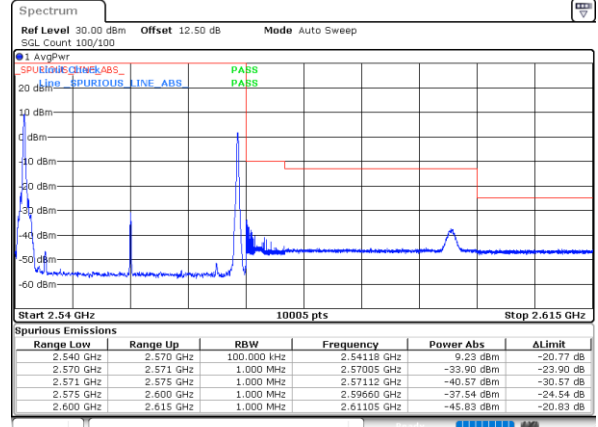
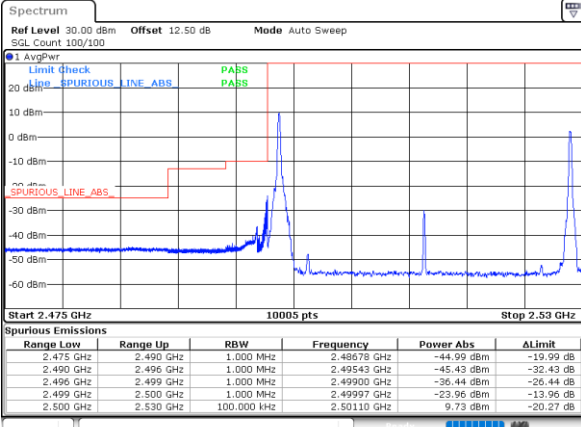


LTE Band 7C / 20MHz+10MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

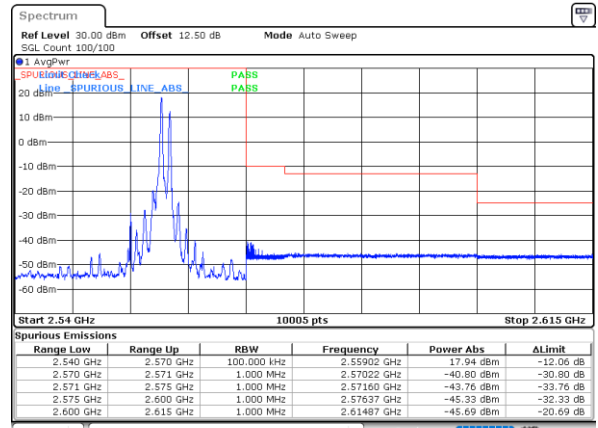
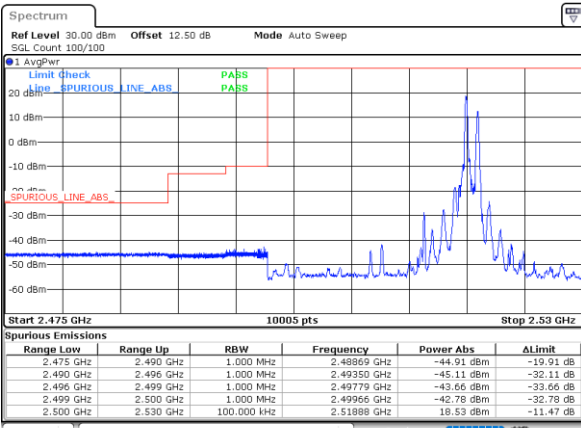


Date: 19.APR.2022 14:50:45

Date: 19.APR.2022 14:16:32

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

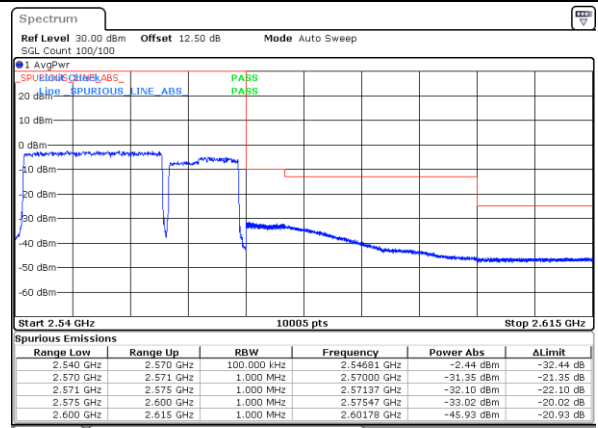
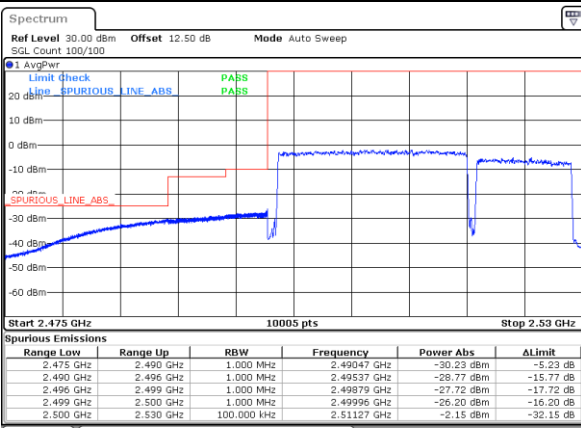


Date: 19.APR.2022 14:51:48

Date: 19.APR.2022 14:41:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.APR.2022 14:45:30

Date: 19.APR.2022 14:35:29

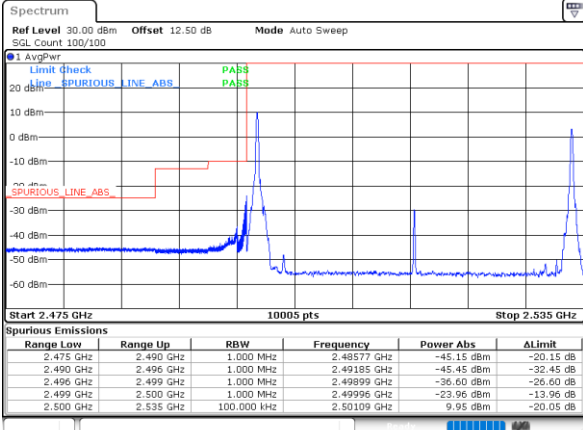


LTE Band 7C / 20MHz+15MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

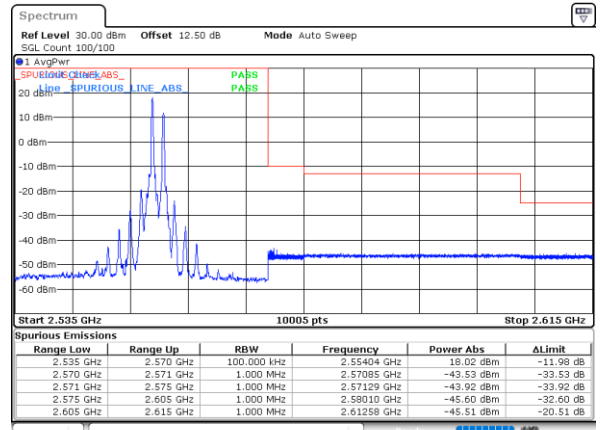
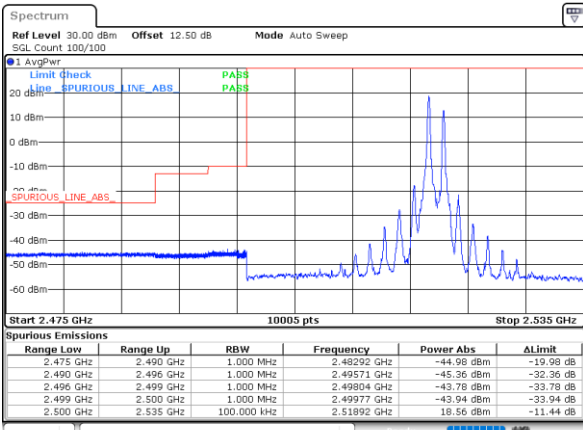


Date: 19.APR.2022 16:10:46

Date: 19.APR.2022 15:56:34

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

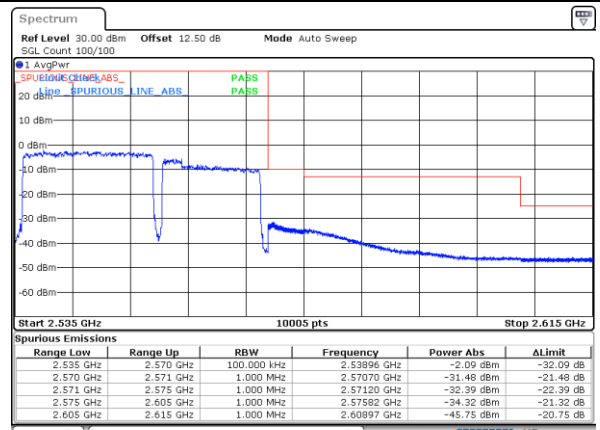
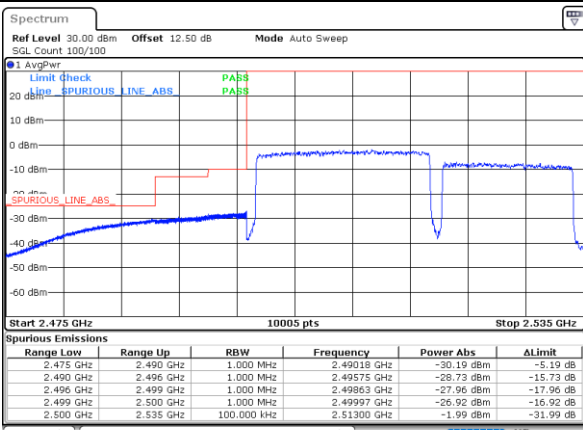


Date: 19.APR.2022 16:11:49

Date: 19.APR.2022 16:01:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.APR.2022 16:05:27

Date: 19.APR.2022 15:55:31

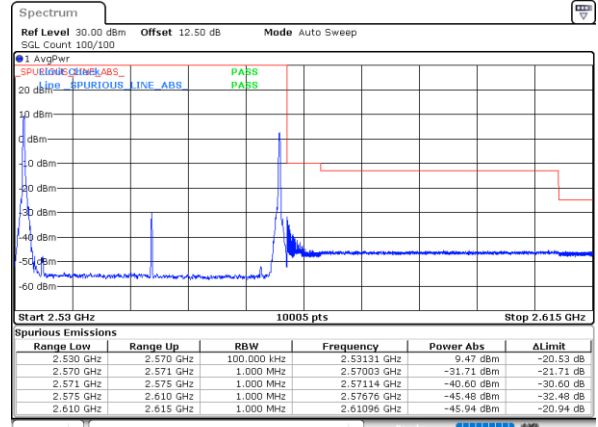
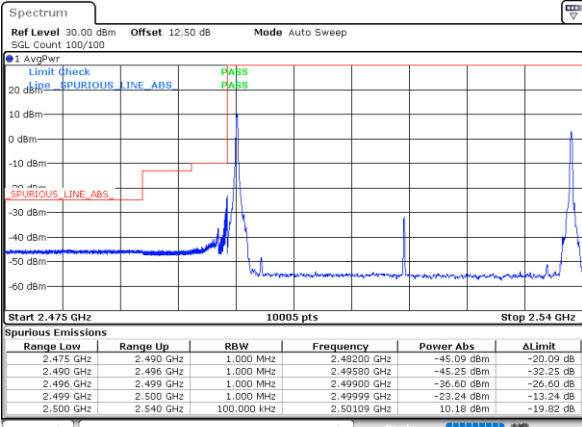


LTE Band 7C / 20MHz+20MHz

QPSK

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

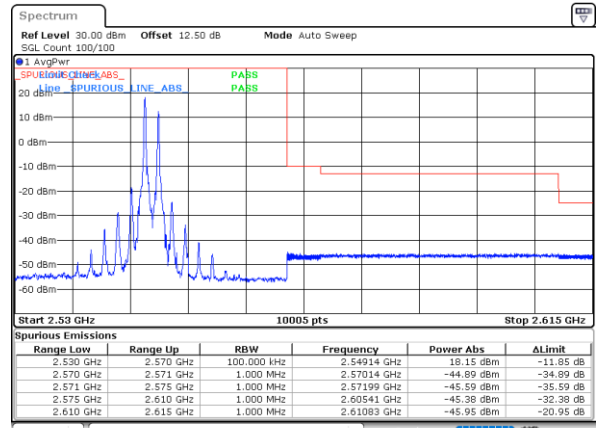
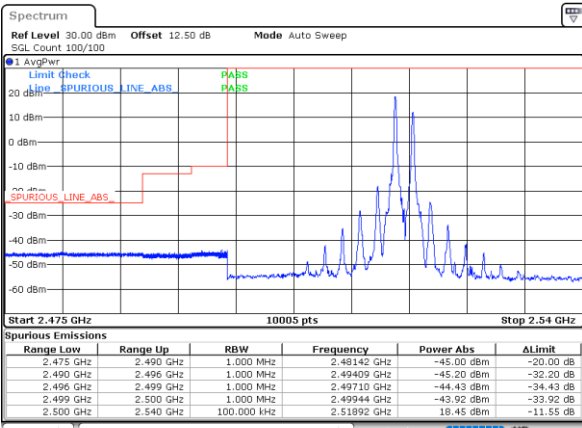


Date: 19.APR.2022 16:37:20

Date: 19.APR.2022 16:23:13

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

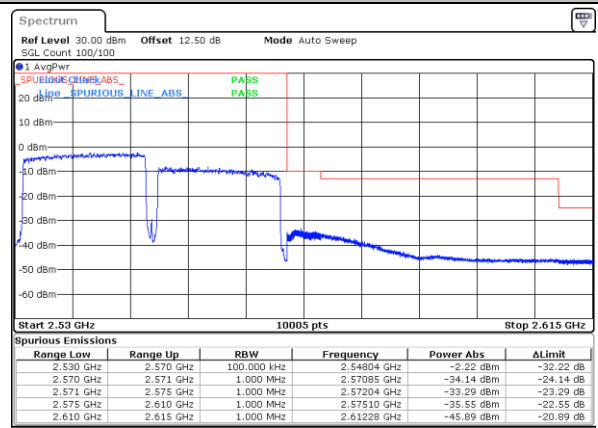
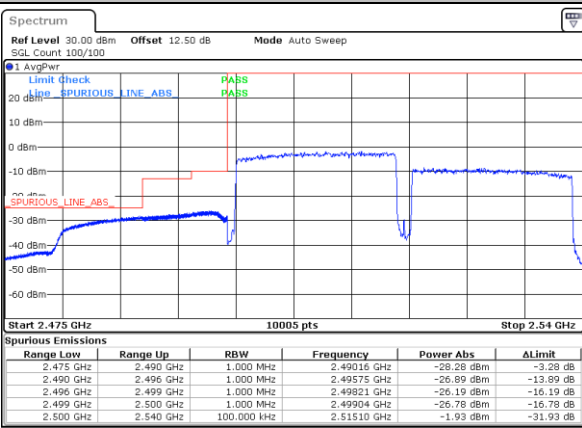


Date: 19.APR.2022 16:38:23

Date: 19.APR.2022 16:22:25

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.APR.2022 16:32:05

Date: 19.APR.2022 16:22:10

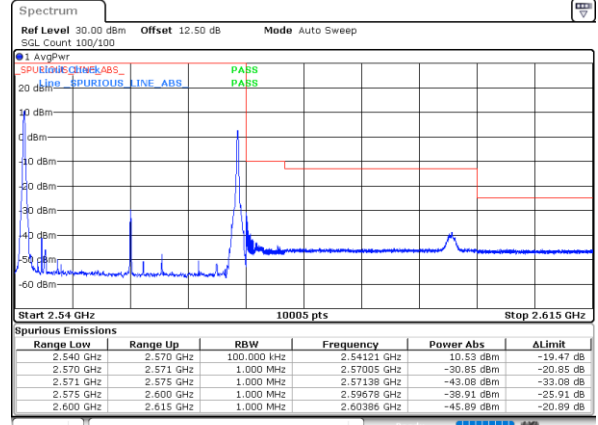
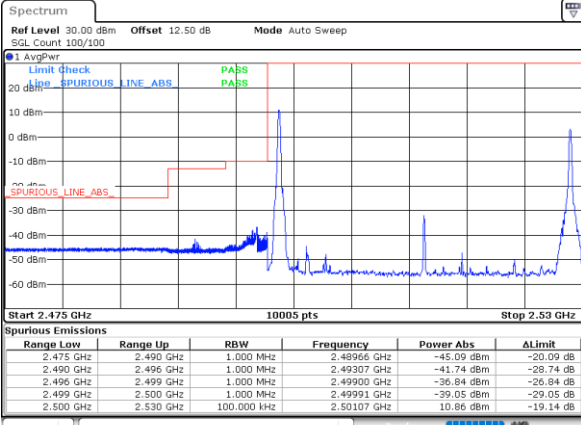


LTE Band 7C / 10MHz+20MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB9

Highest Band Edge / 1RB0 and 1RB9

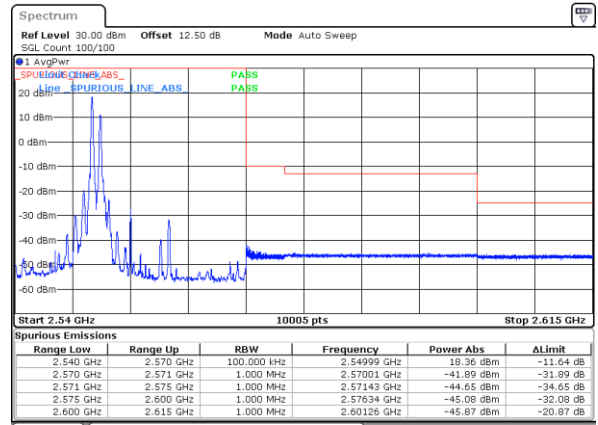
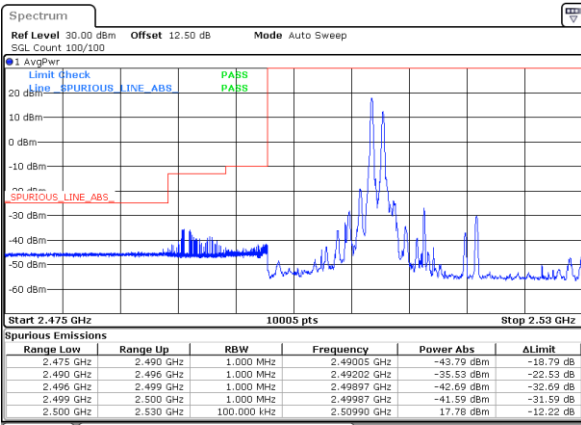


Date: 19.APR.2022 14:22:56

Date: 19.APR.2022 14:10:55

Lowest Band Edge / 1RB49 and 1RB0

Highest Band Edge / 1RB49 and 1RB0

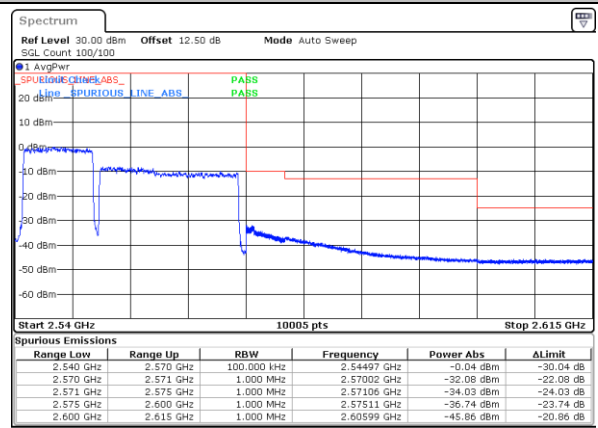
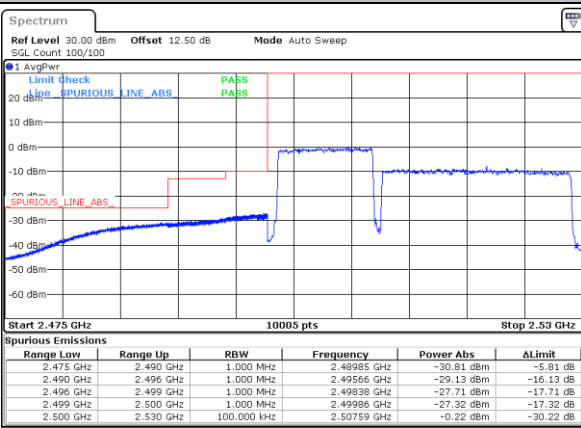


Date: 19.APR.2022 14:26:04

Date: 19.APR.2022 14:14:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.APR.2022 14:19:47

Date: 19.APR.2022 14:07:48

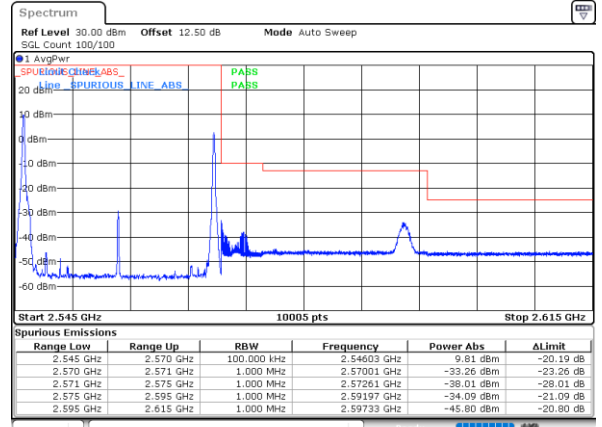
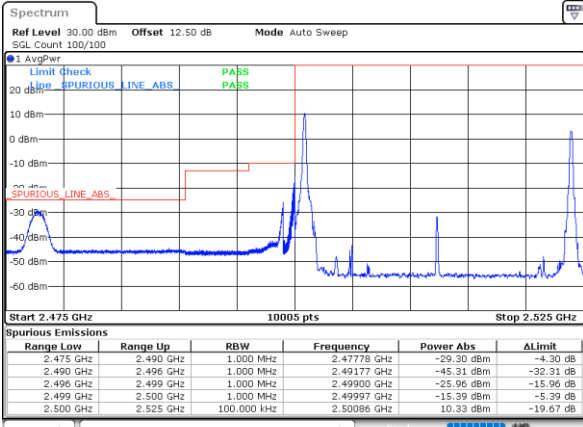


LTE Band 7C / 15MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Highest Band Edge / 1RB0 and 1RB49

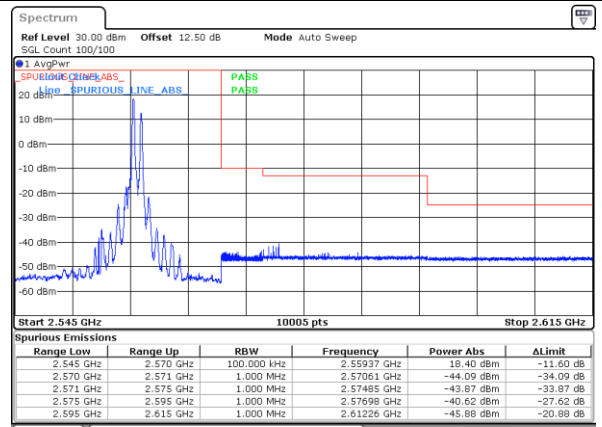
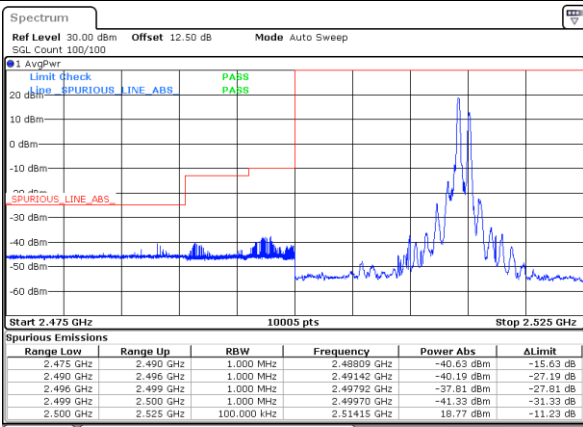


Date: 19.APR.2022 17:03:00

Date: 19.APR.2022 16:50:59

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

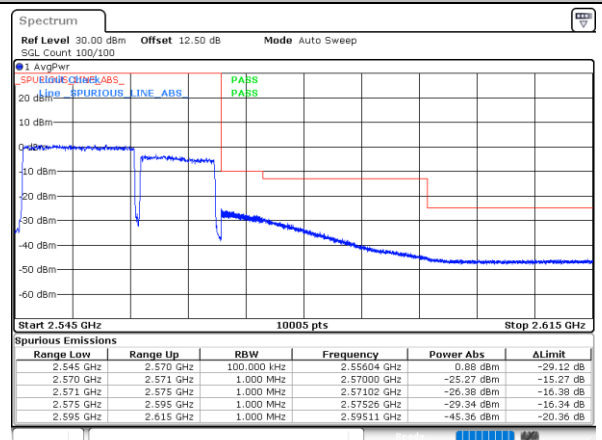
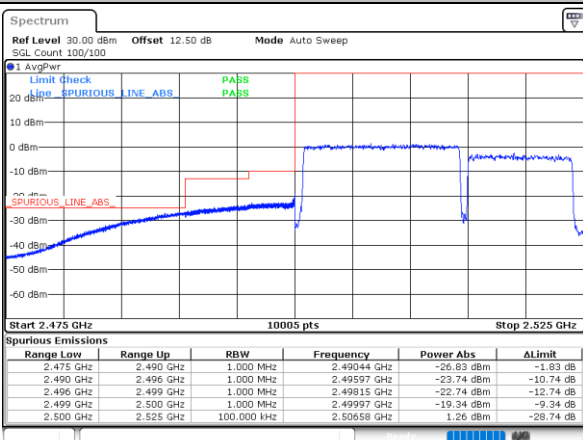


Date: 19.APR.2022 17:06:00

Date: 19.APR.2022 16:54:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 19.APR.2022 16:59:51

Date: 19.APR.2022 16:47:51