

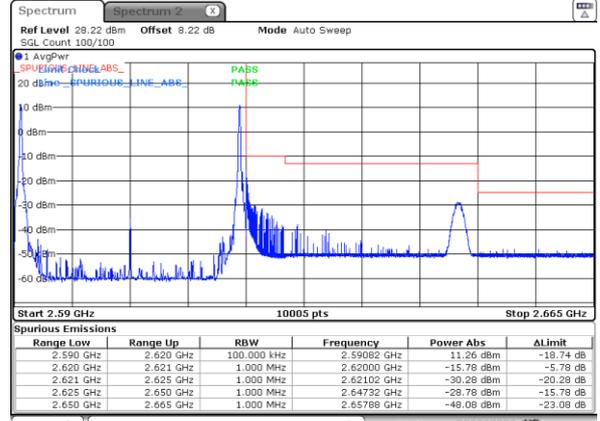
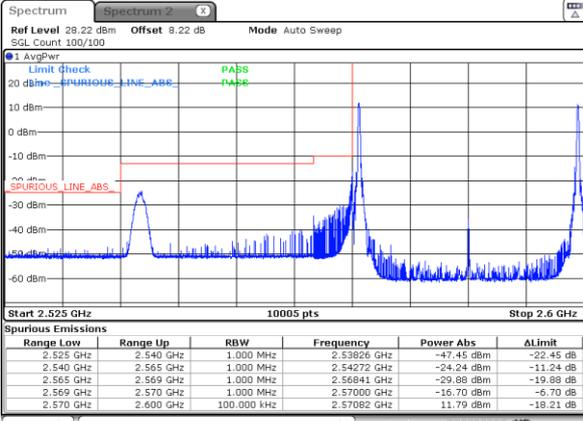


LTE Band 38C / 15MHz+15MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB74

Highest Band Edge / 1RB0 and 1RB74

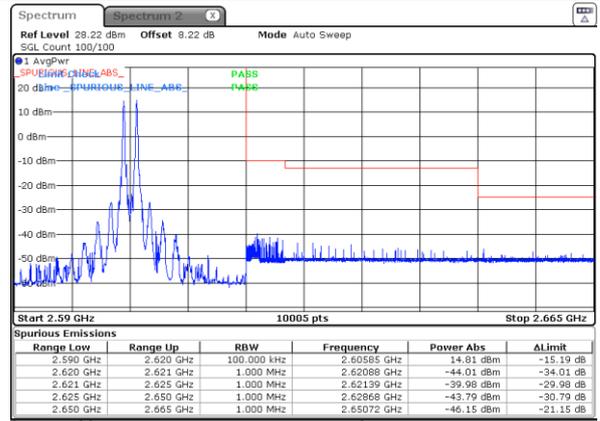
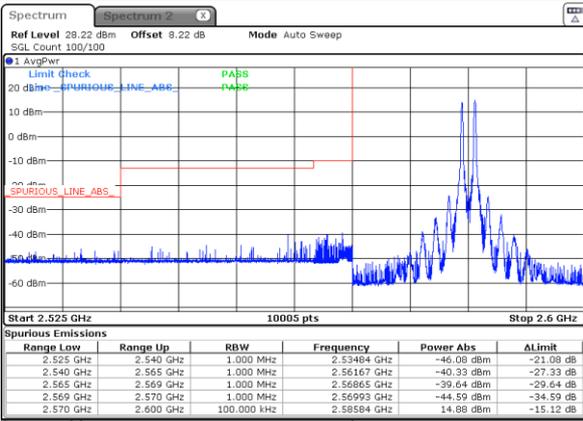


Date: 13,NOV,2024 23:31:30

Date: 14,NOV,2024 00:36:28

Lowest Band Edge / 1RB74 and 1RB0

Highest Band Edge / 1RB74 and 1RB0

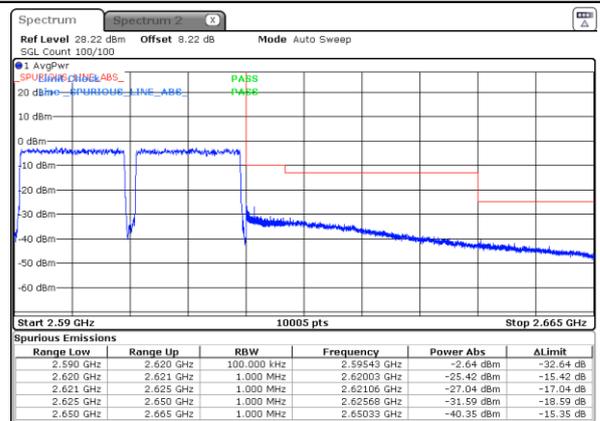
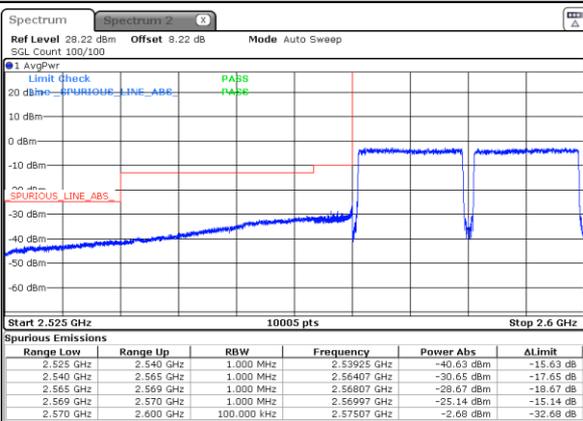


Date: 13,NOV,2024 23:36:03

Date: 14,NOV,2024 00:32:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13,NOV,2024 23:26:54

Date: 14,NOV,2024 00:40:38

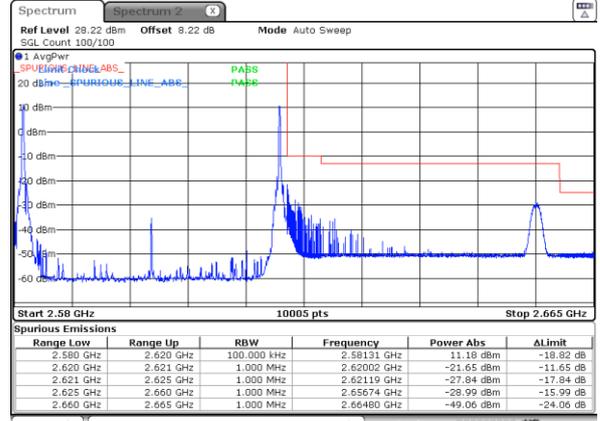
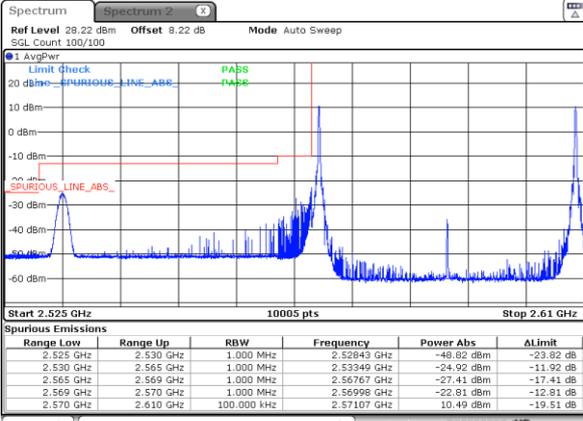


LTE Band 38C / 20MHz+20MHz

256QAM

Lowest Band Edge / 1RB0 and 1RB99

Highest Band Edge / 1RB0 and 1RB99

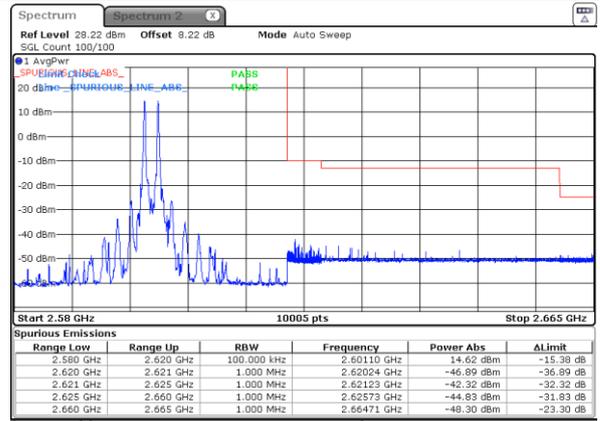
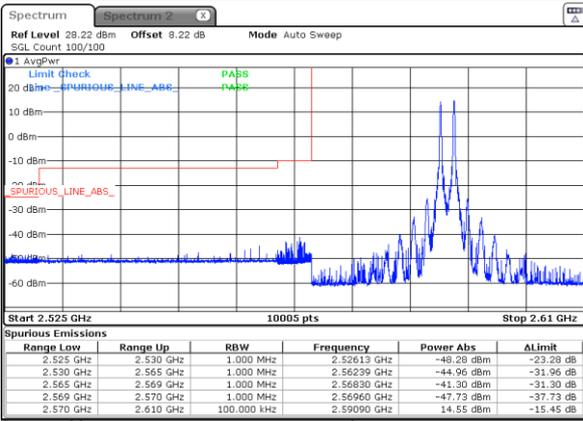


Date: 14.NOV.2024 01:08:58

Date: 14.NOV.2024 01:27:27

Lowest Band Edge / 1RB99 and 1RB0

Highest Band Edge / 1RB99 and 1RB0

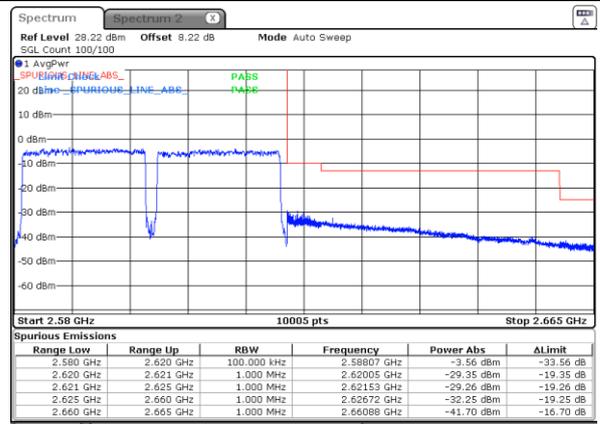
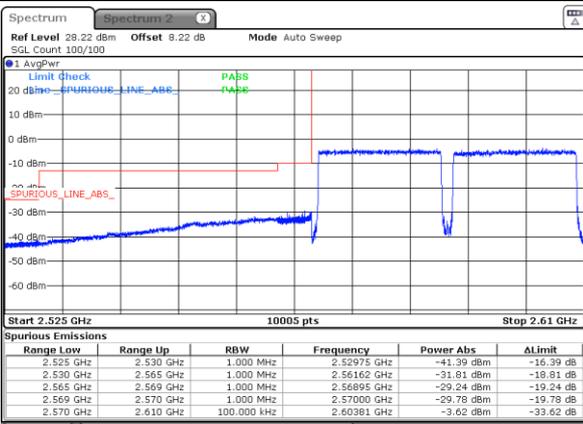


Date: 14.NOV.2024 01:13:10

Date: 14.NOV.2024 01:23:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 14.NOV.2024 01:04:45

Date: 14.NOV.2024 01:31:37



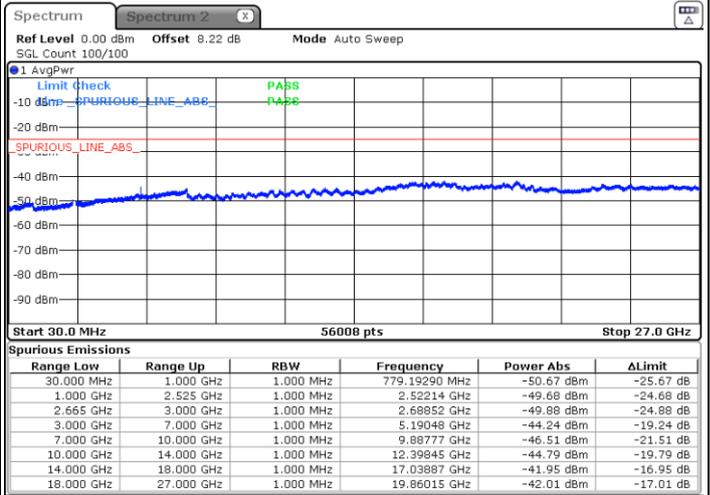
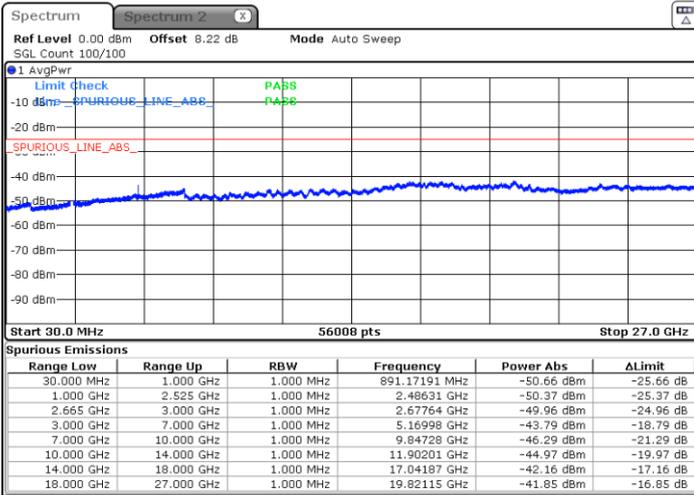
# Conducted Spurious Emission

## LTE Band 38C / 15MHz+15MHz

### QPSK

#### Lowest Channel / 1RB74 and 1RB0

#### Middle Channel / 1RB74 and 1RB0

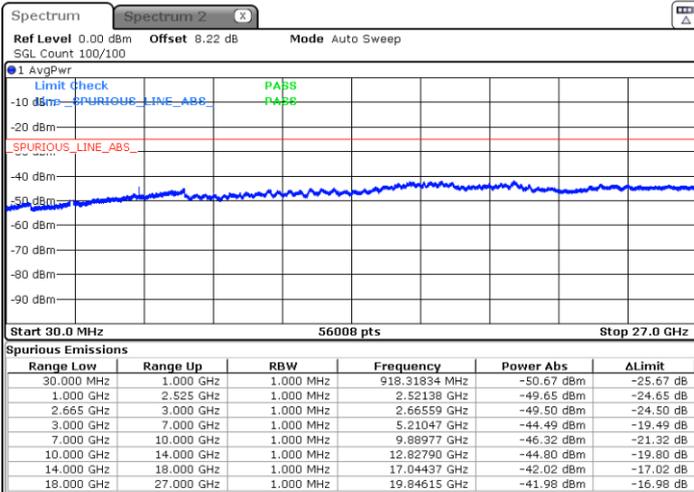


Date: 13.NOV.2024 23:37:20

Date: 14.NOV.2024 00:21:51

#### Highest Channel / 1RB74 and 1RB0

N/A



Date: 14.NOV.2024 00:28:07

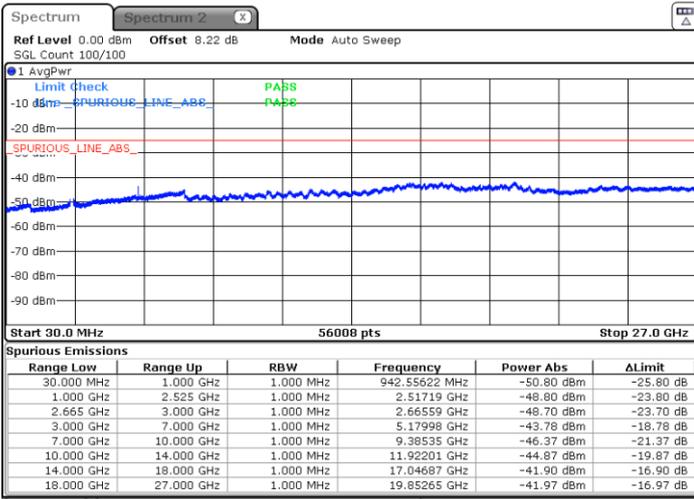


LTE Band 38C / 20MHz+20MHz

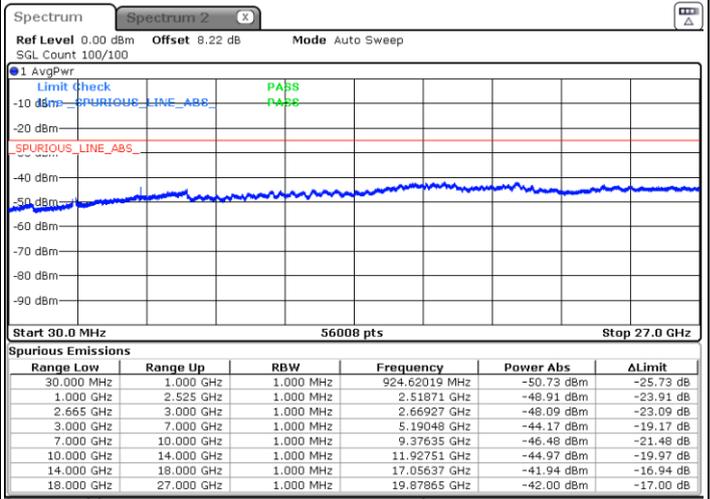
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



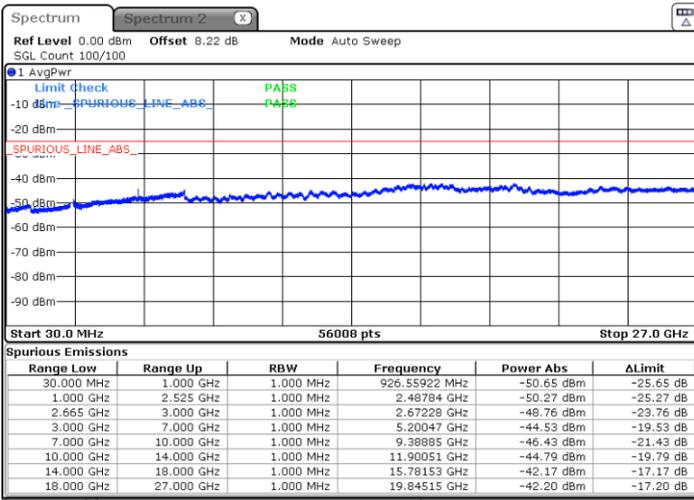
Date: 14.NOV.2024 01:14:28



Date: 14.NOV.2024 01:16:11

Highest Channel / 1RB99 and 1RB0

N/A



Date: 14.NOV.2024 01:18:54



Frequency Stability

Test Conditions		LTE Band 38C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0063	
20	Battery End Point	0.0015	

Note:

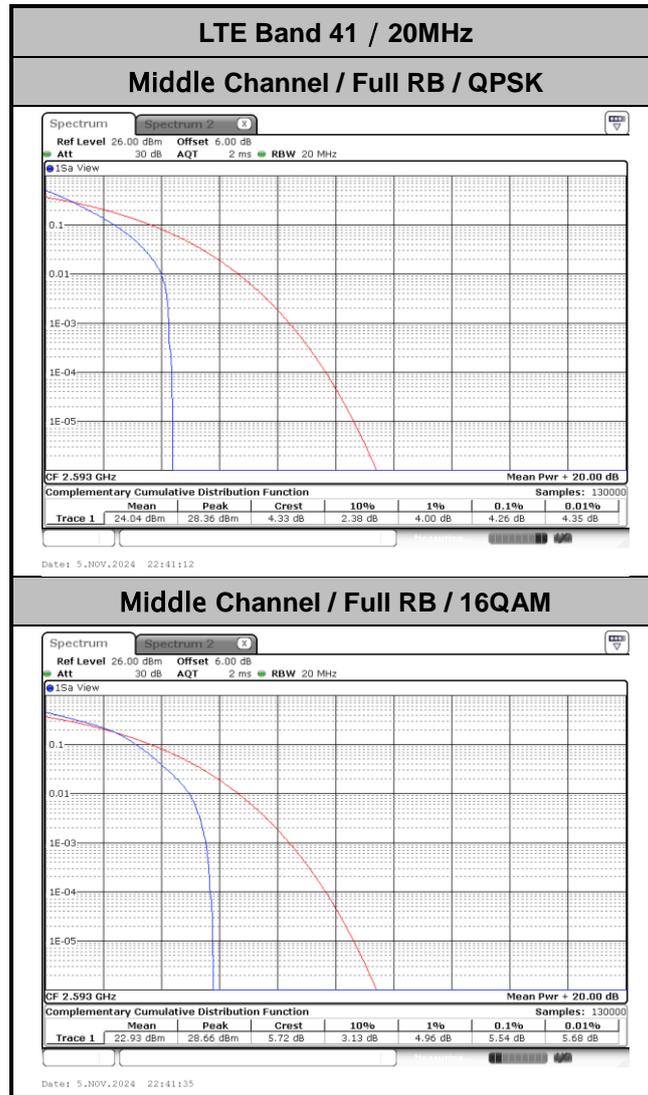
1. Normal Voltage =3.69 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.1 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

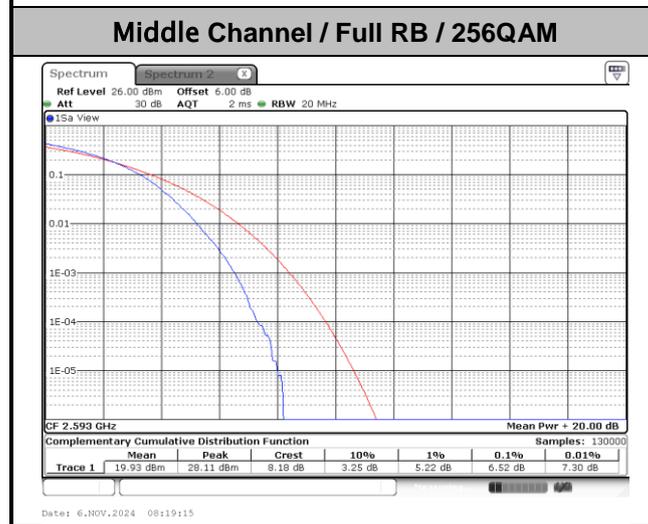
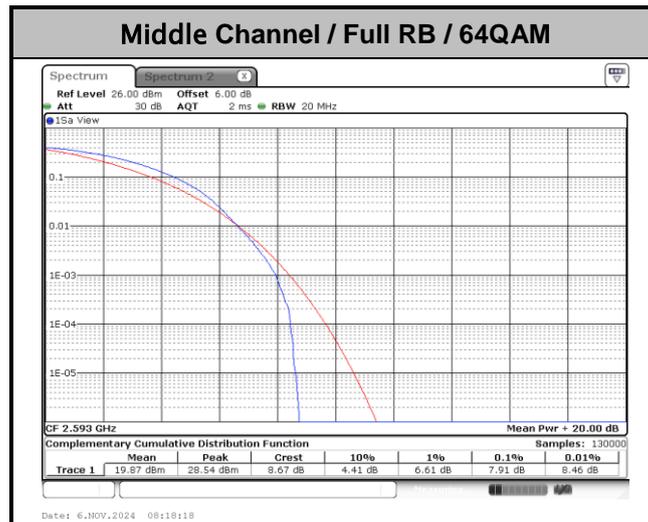


# LTE Band 41(Main PA)

## Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.26	5.54	7.91	6.52	PASS

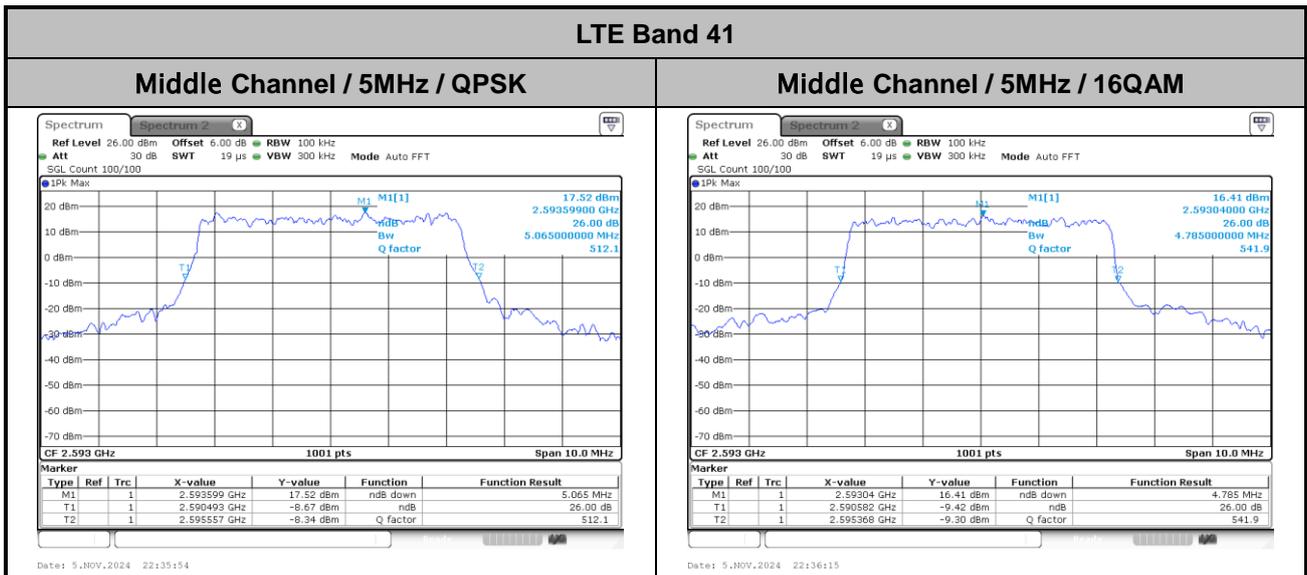






**26dB Bandwidth**

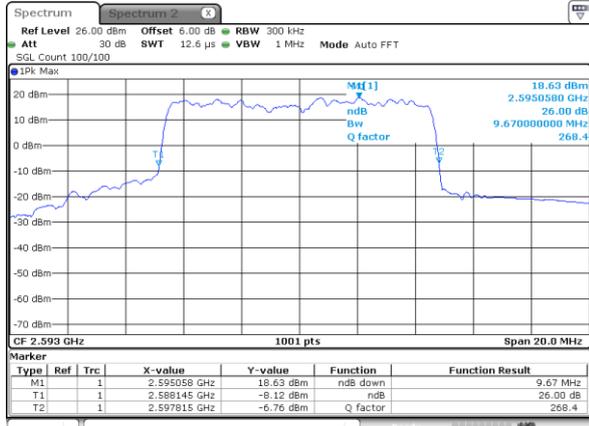
Mode	LTE Band 41 : 26dB BW(MHz)	
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	5.07	4.79
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.67	9.93
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	14.57	14.51
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	18.66	19.26





LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 5.NOV.2024 22:13:19

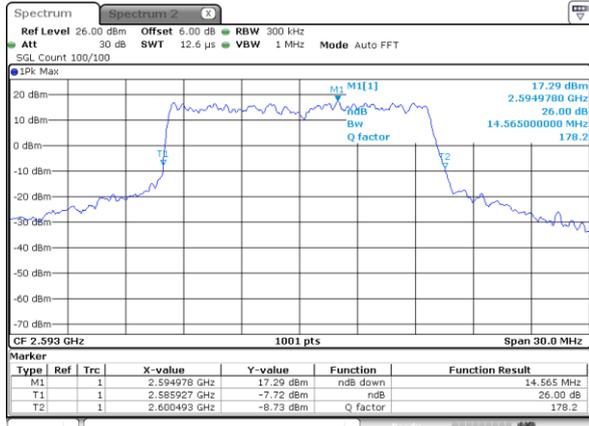
Middle Channel / 10MHz / 16QAM



Date: 5.NOV.2024 22:13:40

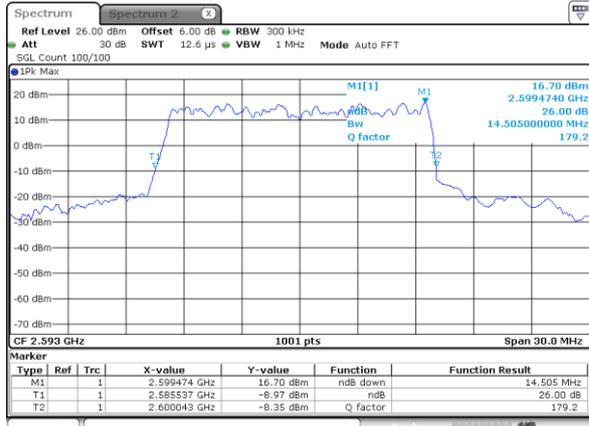
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 5.NOV.2024 22:18:43

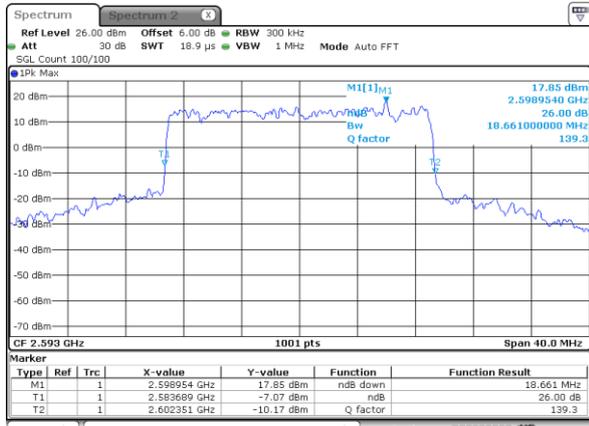
Middle Channel / 15MHz / 16QAM



Date: 5.NOV.2024 22:19:04

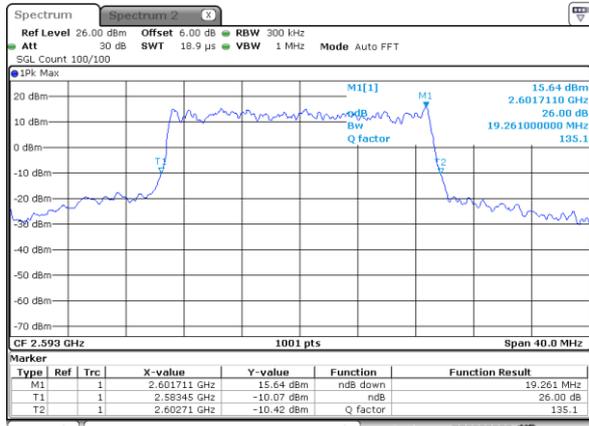
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 5.NOV.2024 22:40:08

Middle Channel / 20MHz / 16QAM

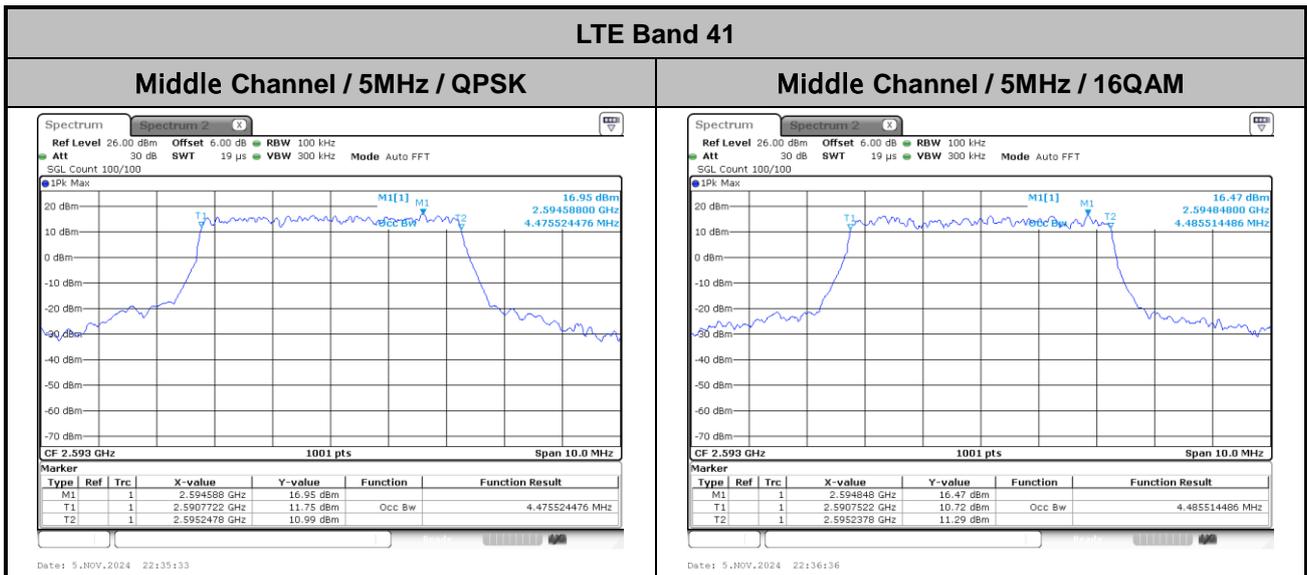


Date: 5.NOV.2024 22:40:29



## Occupied Bandwidth

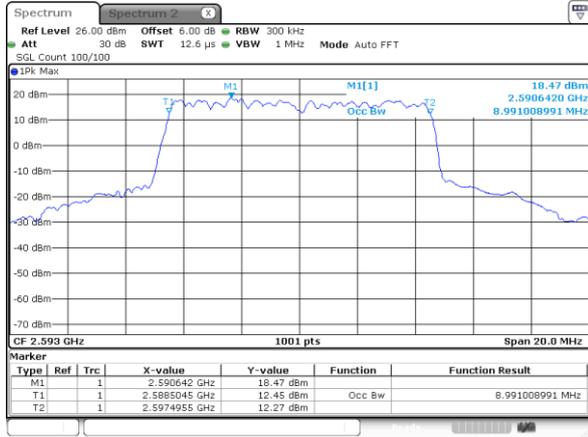
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.48	4.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	8.99	9.05
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.49	13.49
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.94





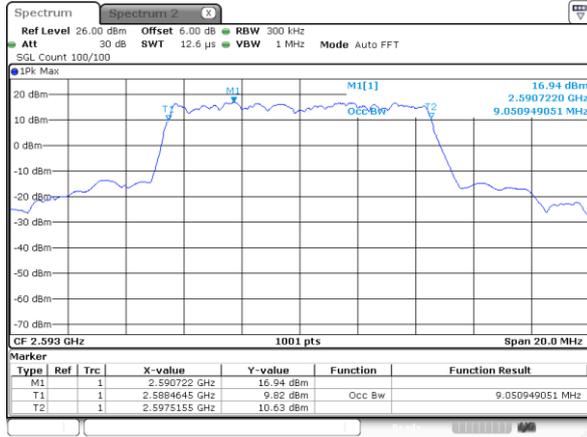
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 5.NOV.2024 22:13:15

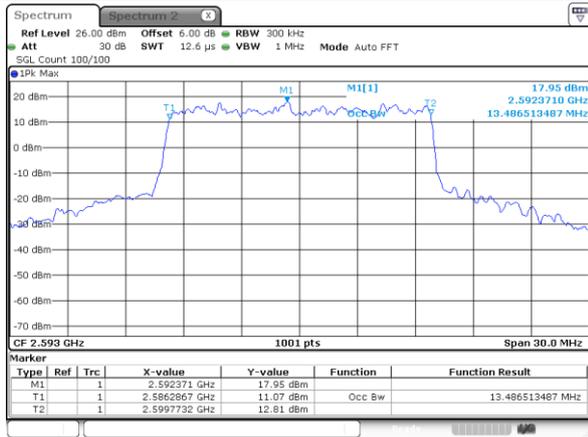
Middle Channel / 10MHz / 16QAM



Date: 5.NOV.2024 22:13:01

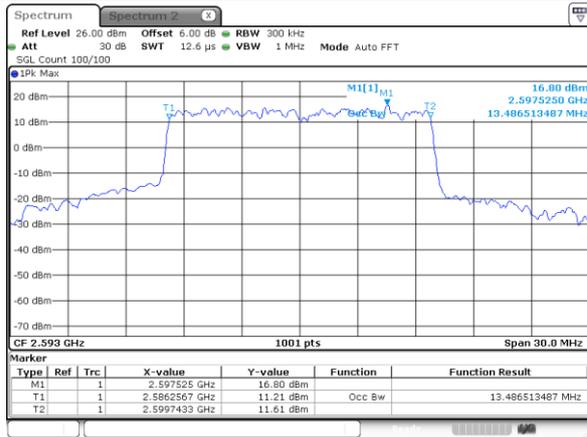
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 5.NOV.2024 22:13:22

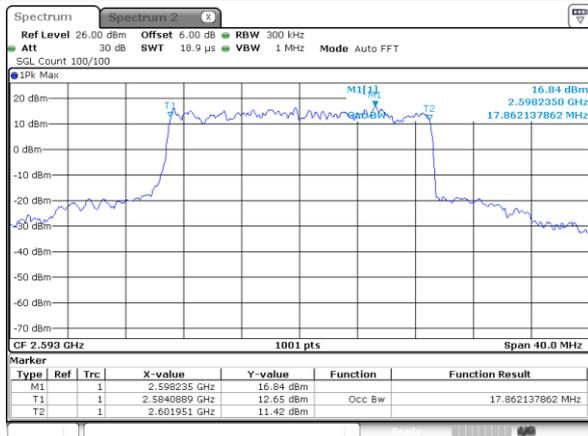
Middle Channel / 15MHz / 16QAM



Date: 5.NOV.2024 22:13:25

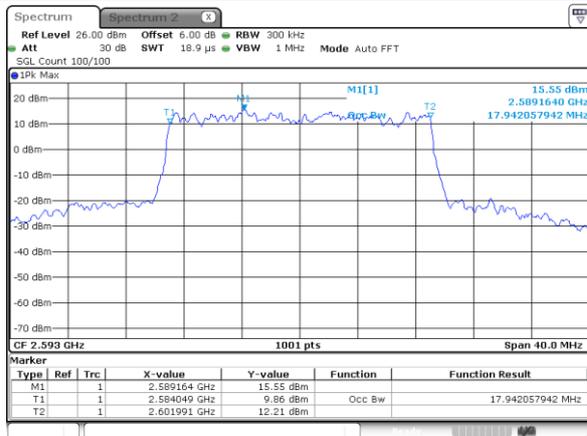
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 5.NOV.2024 22:13:47

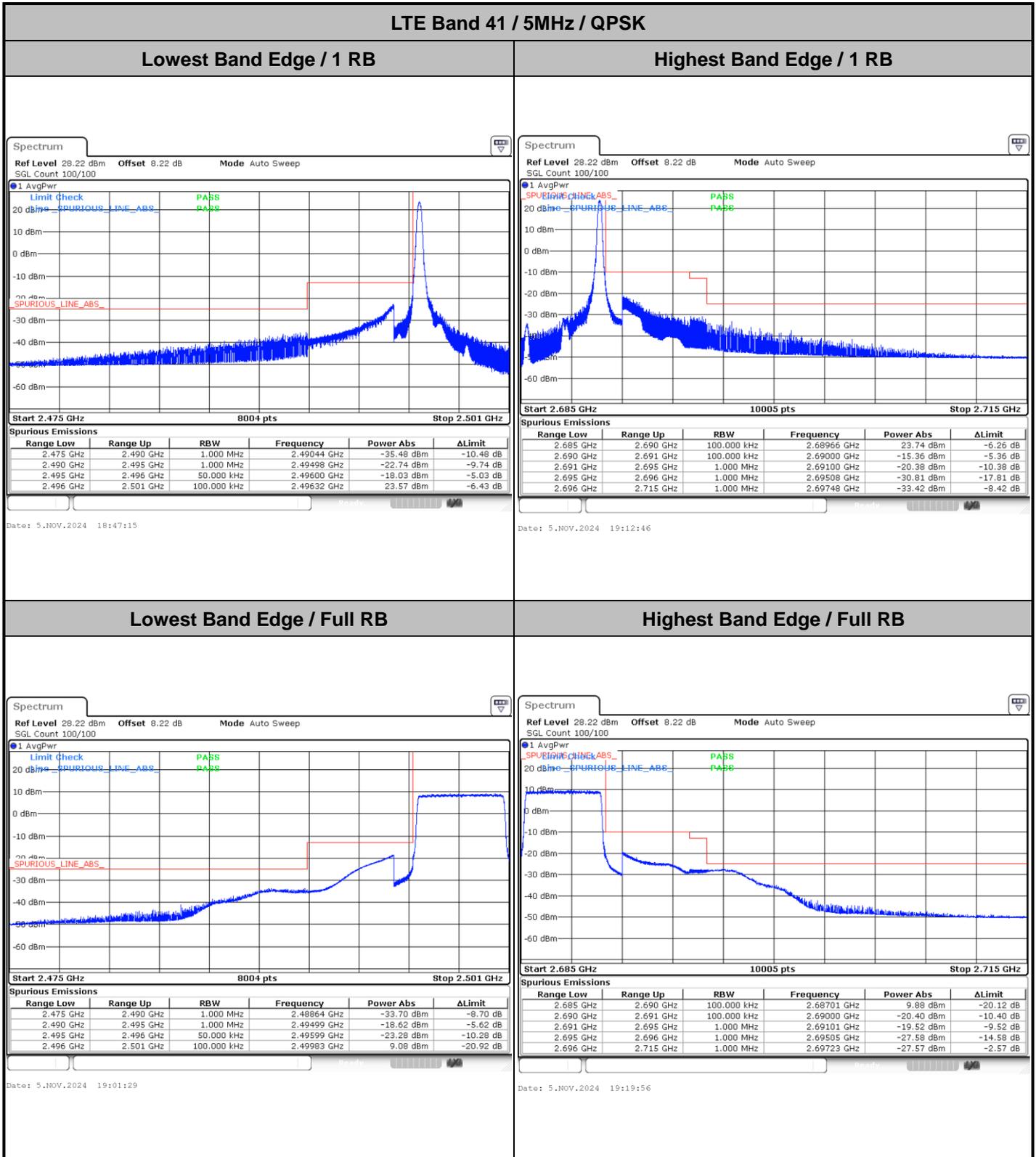
Middle Channel / 20MHz / 16QAM



Date: 5.NOV.2024 22:14:50



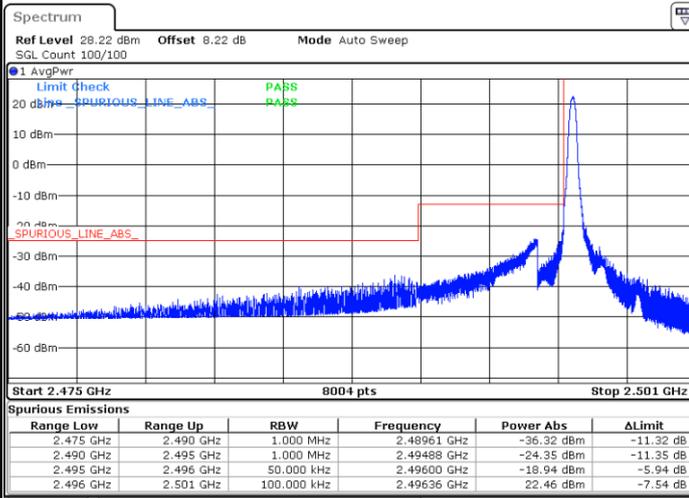
# Conducted Band Edge





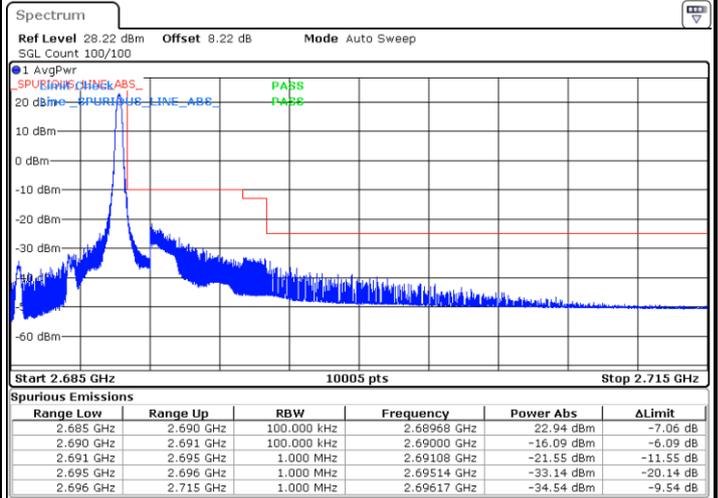
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



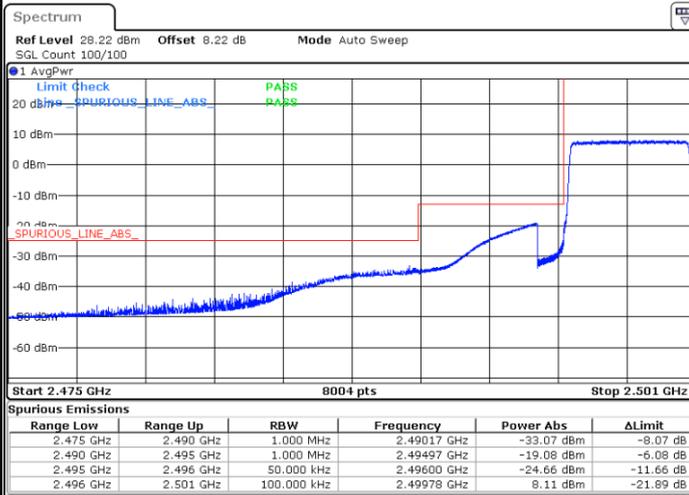
Date: 5.NOV.2024 18:49:04

Highest Band Edge / 1 RB



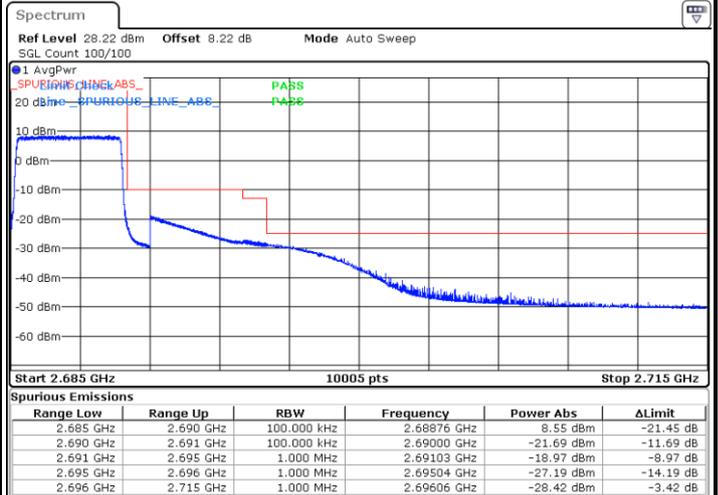
Date: 5.NOV.2024 19:14:33

Lowest Band Edge / Full RB



Date: 5.NOV.2024 19:06:55

Highest Band Edge / Full RB

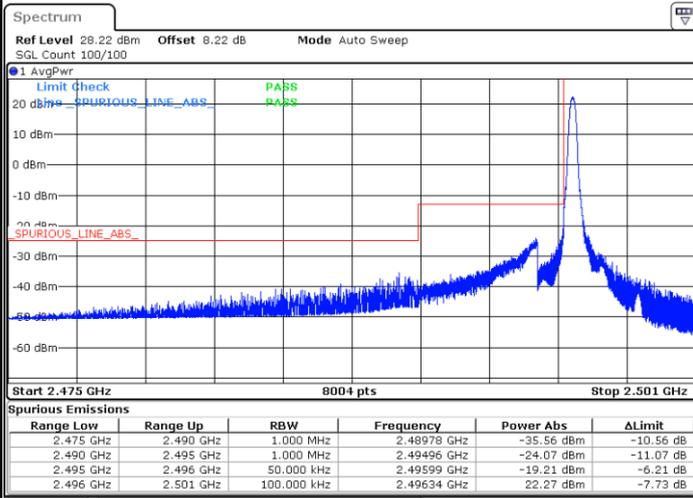


Date: 5.NOV.2024 19:25:19



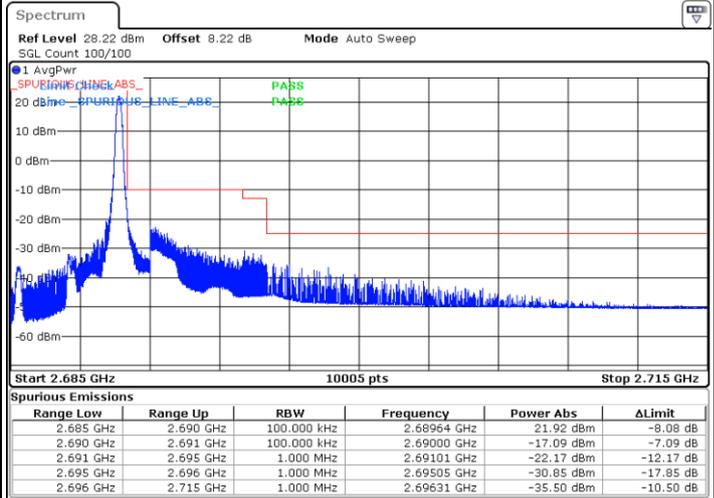
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



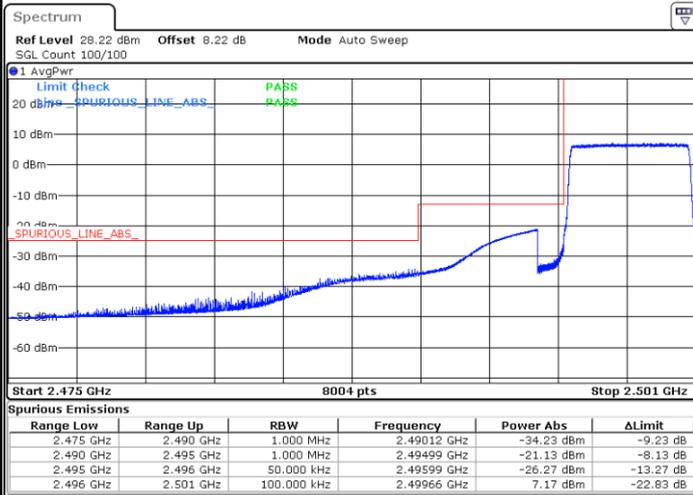
Date: 5.NOV.2024 18:50:52

Highest Band Edge / 1 RB



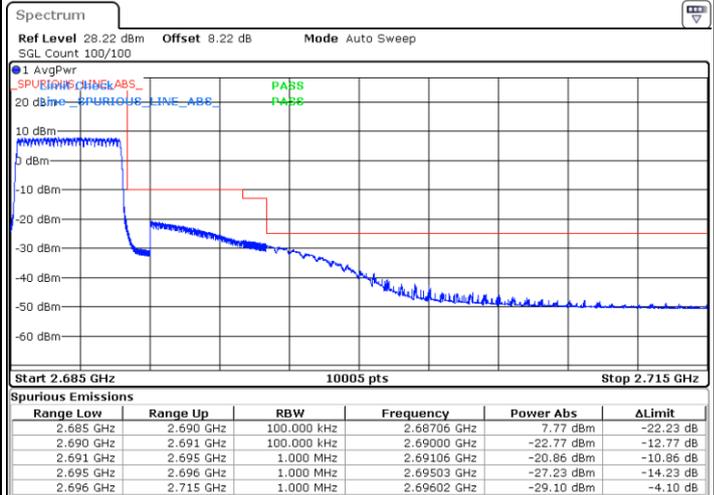
Date: 5.NOV.2024 19:16:21

Lowest Band Edge / Full RB



Date: 5.NOV.2024 19:05:06

Highest Band Edge / Full RB

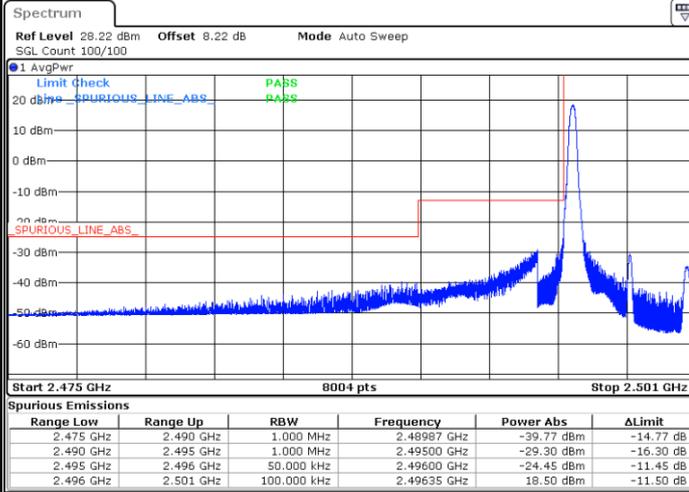


Date: 5.NOV.2024 19:23:31



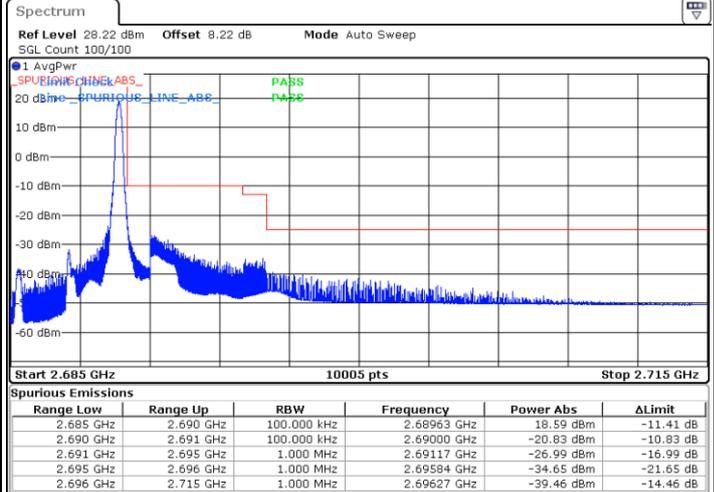
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



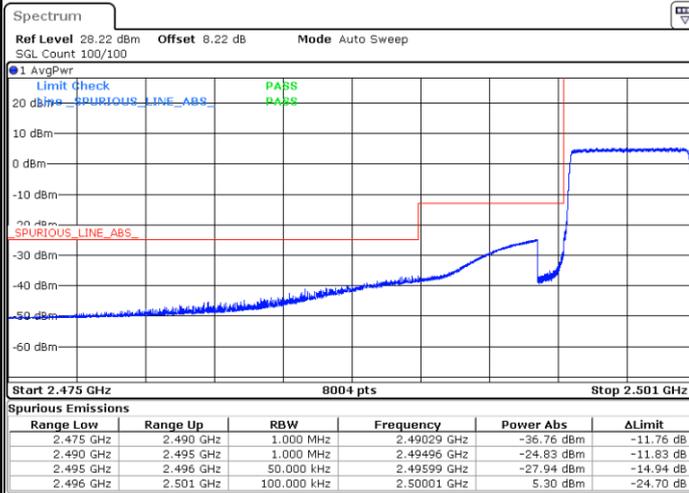
Date: 5.NOV.2024 18:59:40

Highest Band Edge / 1 RB



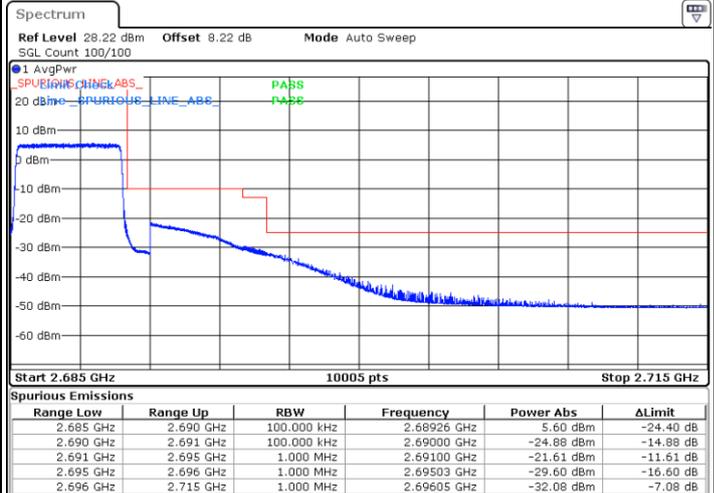
Date: 5.NOV.2024 19:18:09

Lowest Band Edge / Full RB



Date: 5.NOV.2024 19:03:18

Highest Band Edge / Full RB

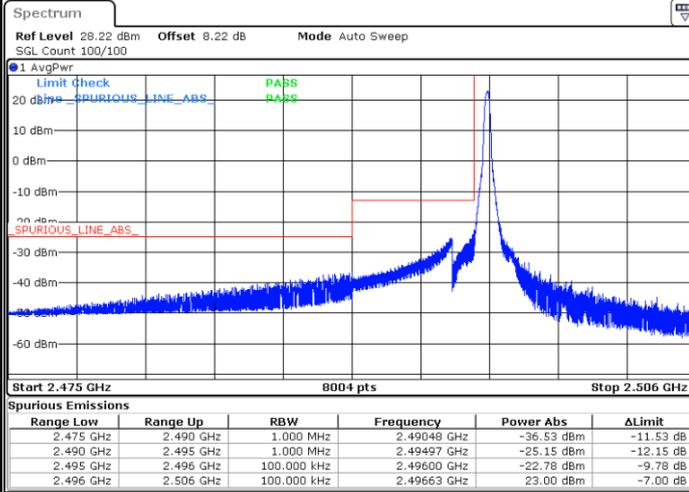


Date: 5.NOV.2024 19:21:44



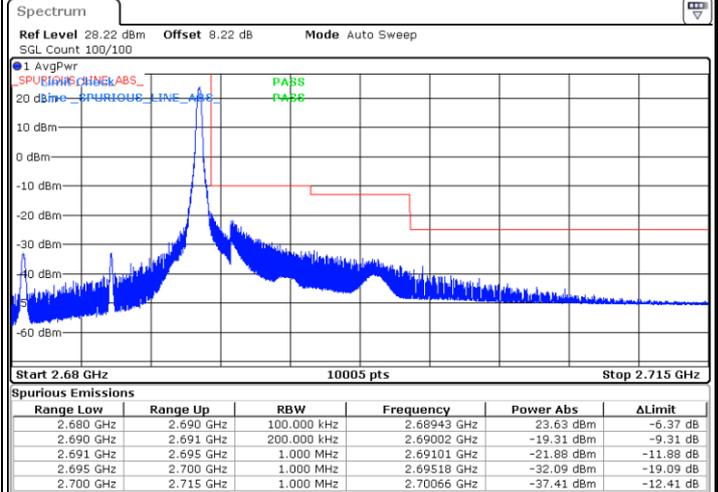
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



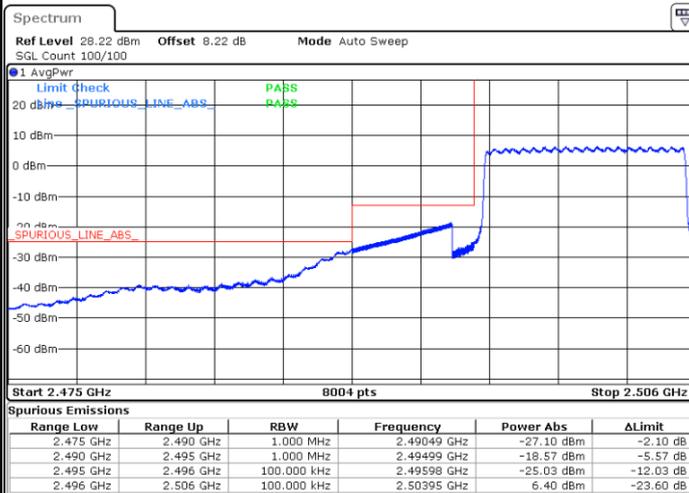
Date: 5.NOV.2024 19:29:11

Highest Band Edge / 1 RB



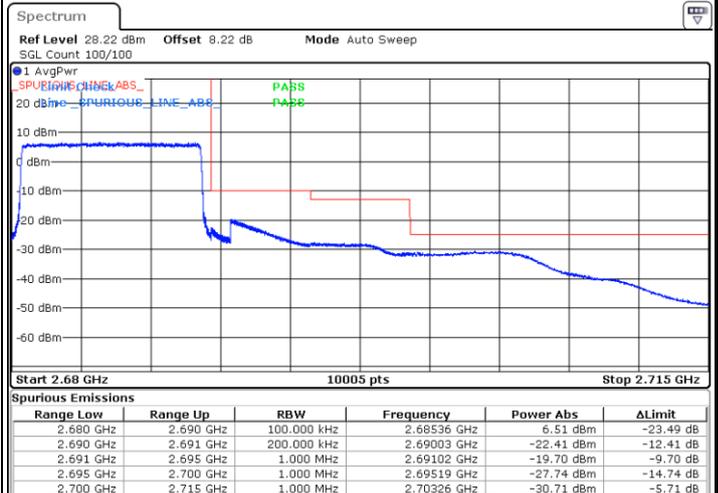
Date: 5.NOV.2024 19:47:44

Lowest Band Edge / Full RB



Date: 5.NOV.2024 19:36:27

Highest Band Edge / Full RB

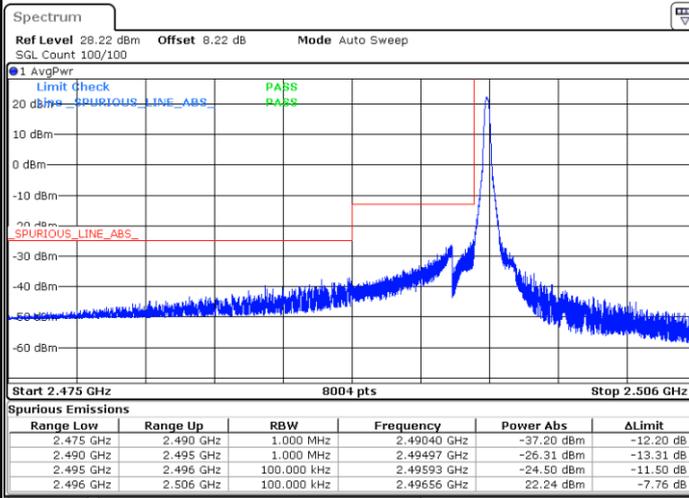


Date: 5.NOV.2024 19:54:55



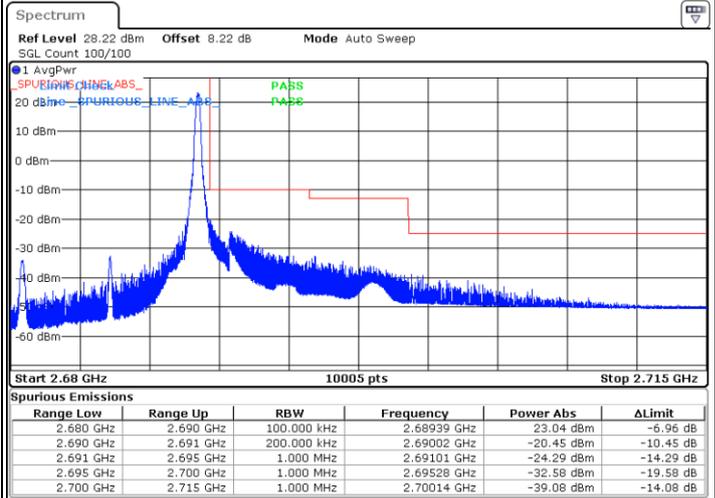
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 5.NOV.2024 19:31:00

Highest Band Edge / 1 RB



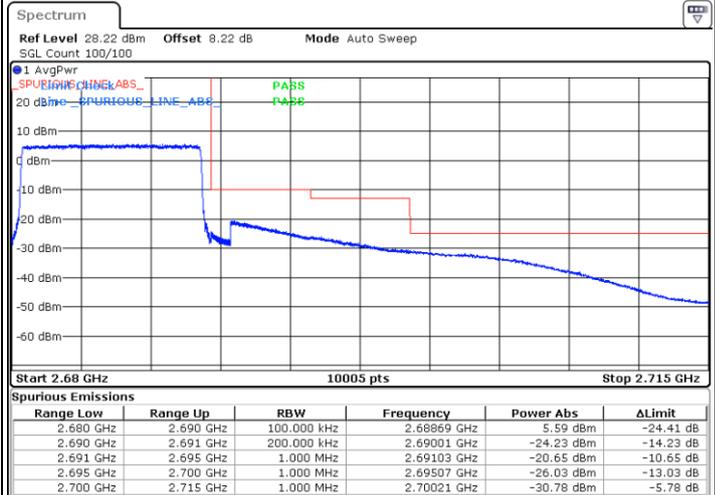
Date: 5.NOV.2024 19:49:32

Lowest Band Edge / Full RB



Date: 5.NOV.2024 19:38:16

Highest Band Edge / Full RB

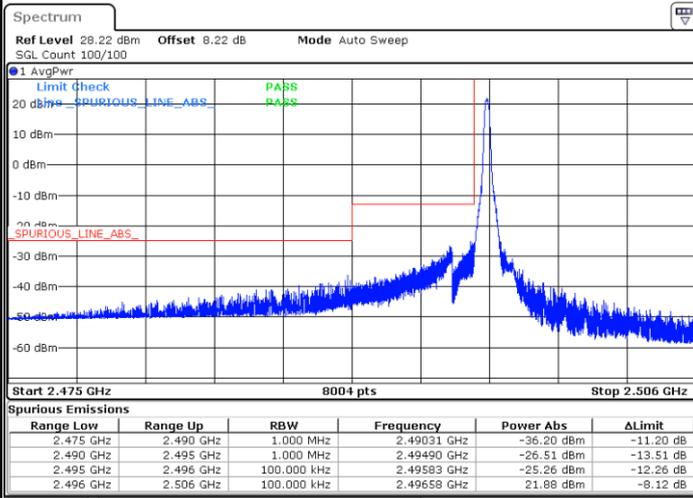


Date: 5.NOV.2024 19:56:42



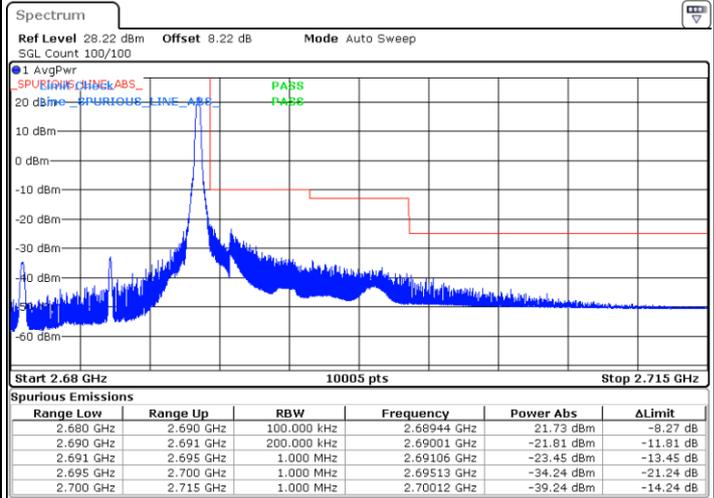
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



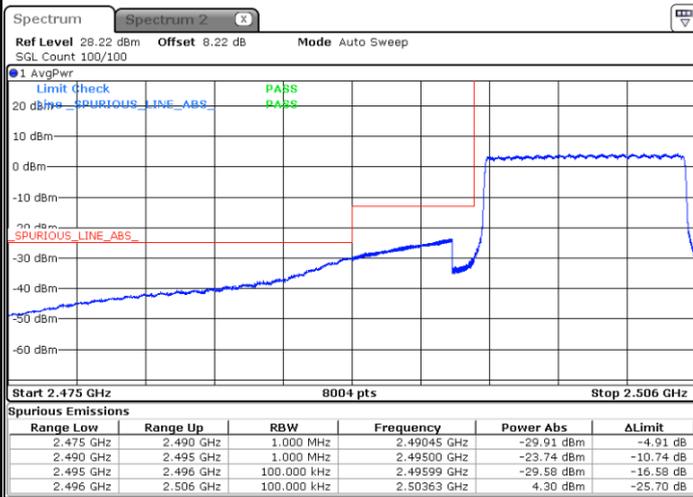
Date: 5.NOV.2024 19:32:49

Highest Band Edge / 1 RB



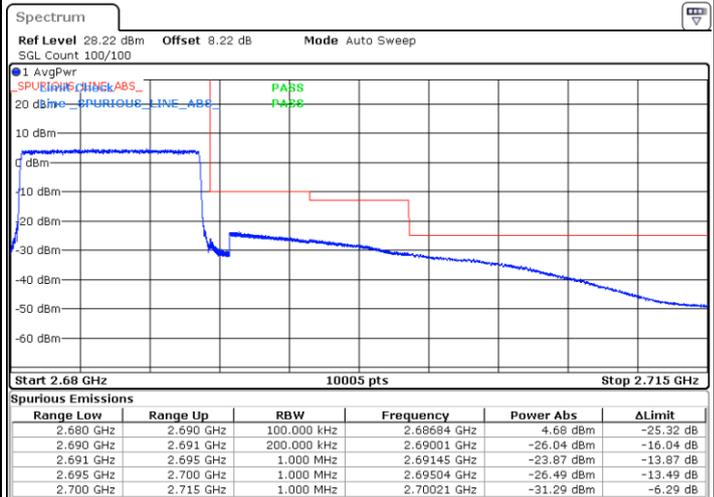
Date: 5.NOV.2024 19:51:19

Lowest Band Edge / Full RB



Date: 5.NOV.2024 22:29:33

Highest Band Edge / Full RB

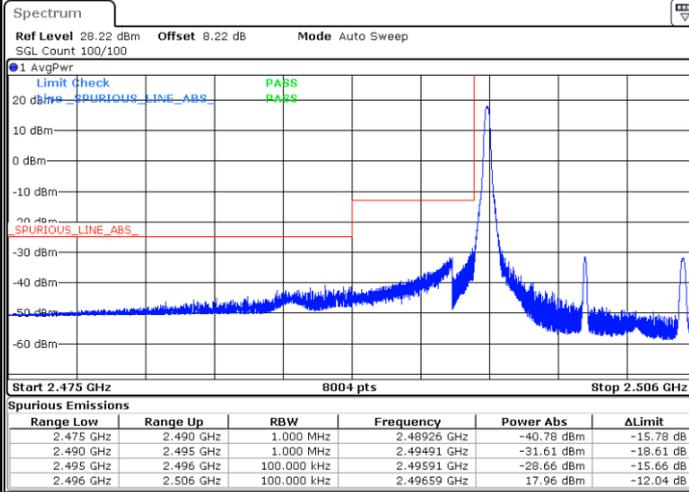


Date: 5.NOV.2024 19:58:30



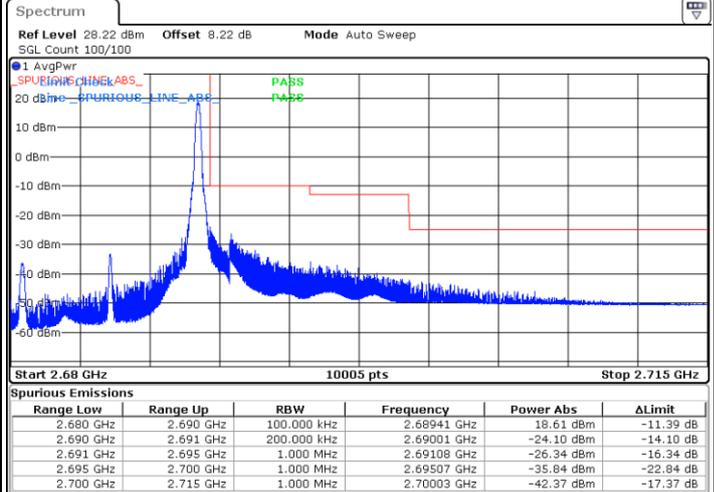
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1RB



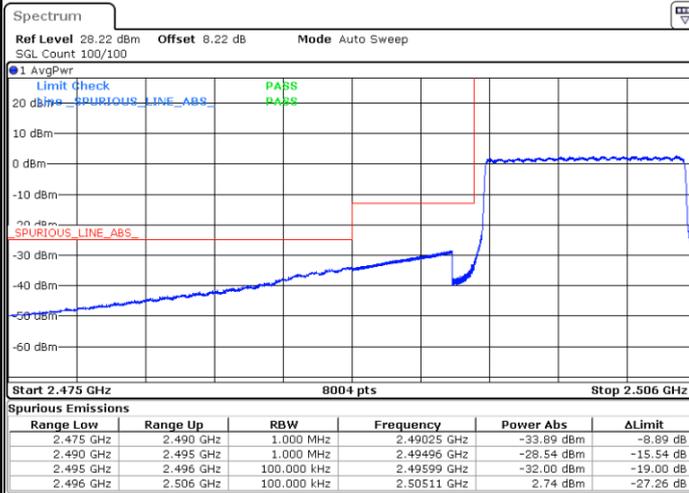
Date: 5.NOV.2024 19:34:38

Highest Band Edge / 1 RB



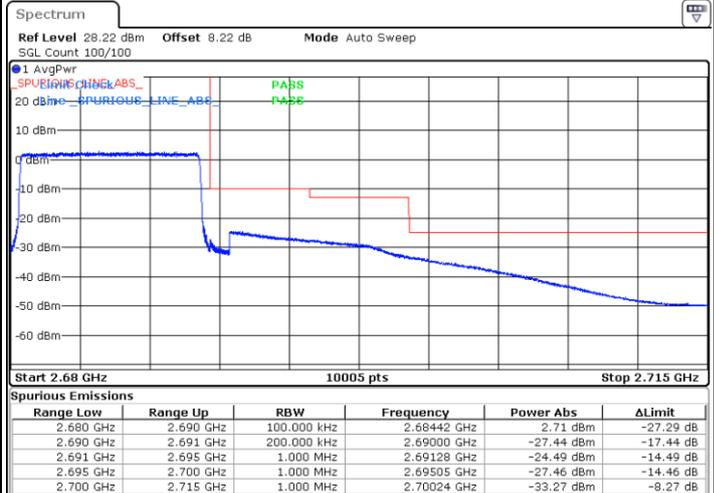
Date: 5.NOV.2024 19:53:07

Lowest Band Edge / Full RB



Date: 5.NOV.2024 19:41:53

Highest Band Edge / Full RB

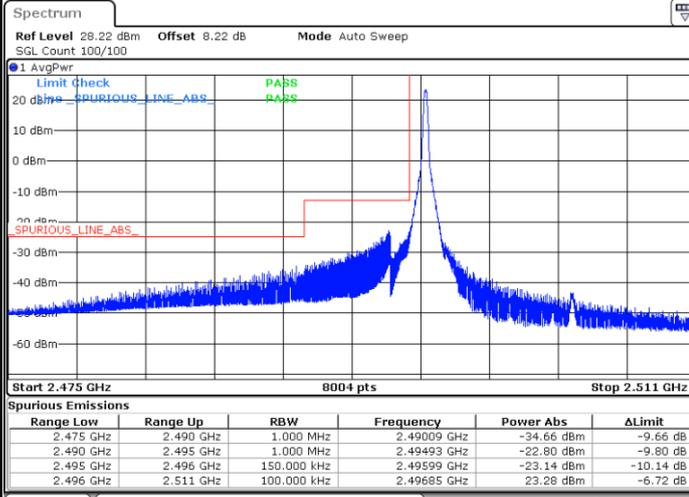


Date: 5.NOV.2024 20:00:18



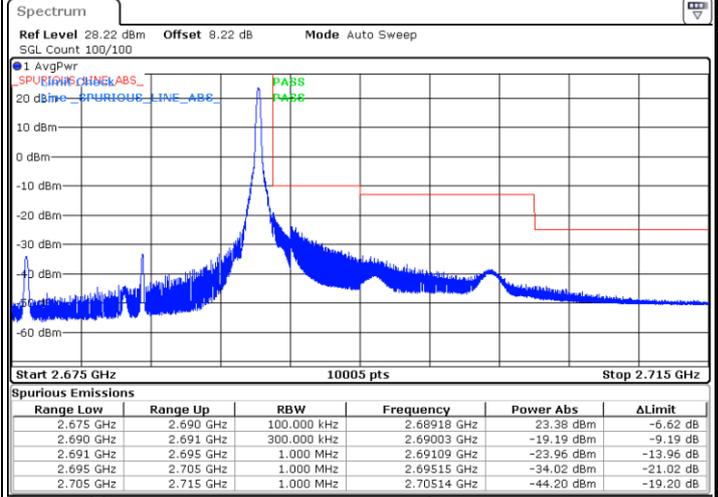
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



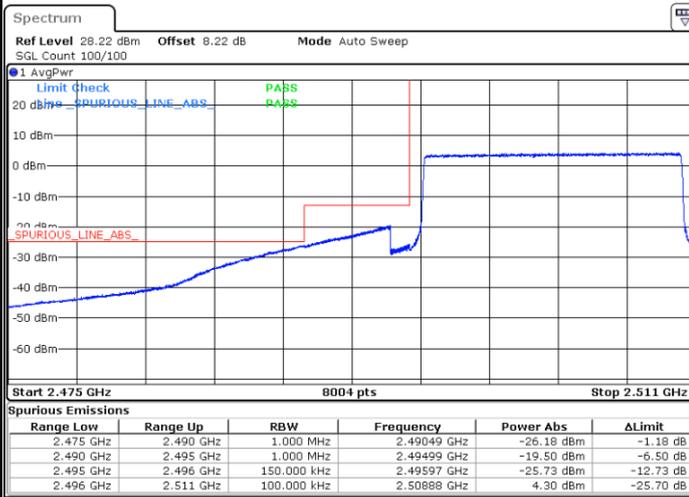
Date: 5.NOV.2024 20:04:09

Highest Band Edge / 1 RB



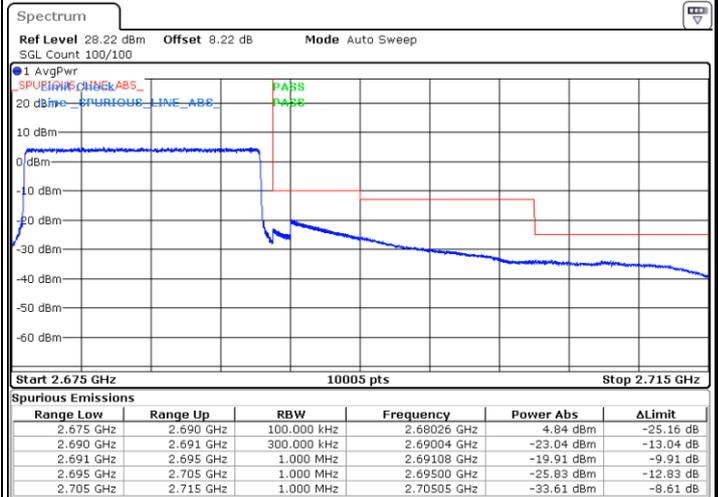
Date: 5.NOV.2024 20:22:41

Lowest Band Edge / Full RB



Date: 5.NOV.2024 20:11:24

Highest Band Edge / Full RB

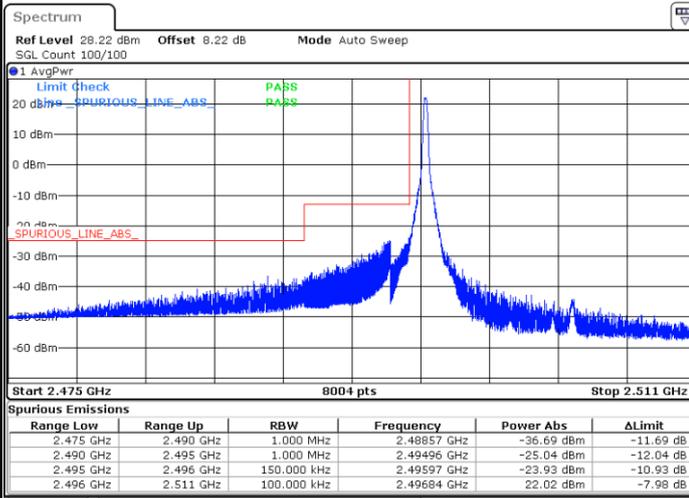


Date: 5.NOV.2024 20:29:51



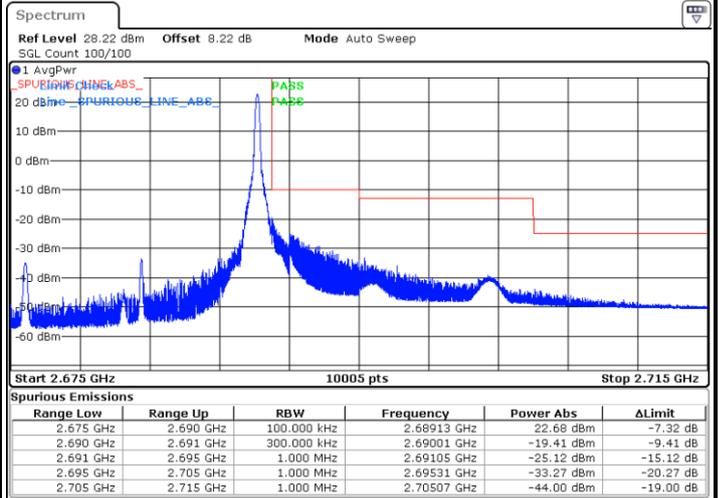
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



Date: 5.NOV.2024 20:05:58

Highest Band Edge / 1 RB



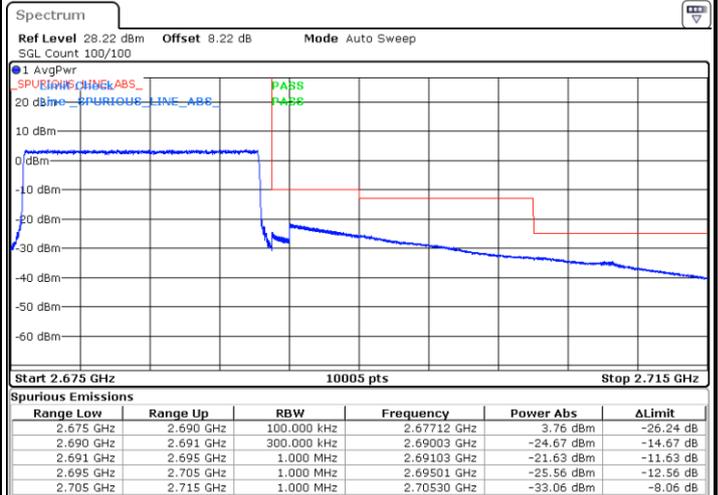
Date: 5.NOV.2024 20:24:28

Lowest Band Edge / Full RB



Date: 5.NOV.2024 20:13:13

Highest Band Edge / Full RB

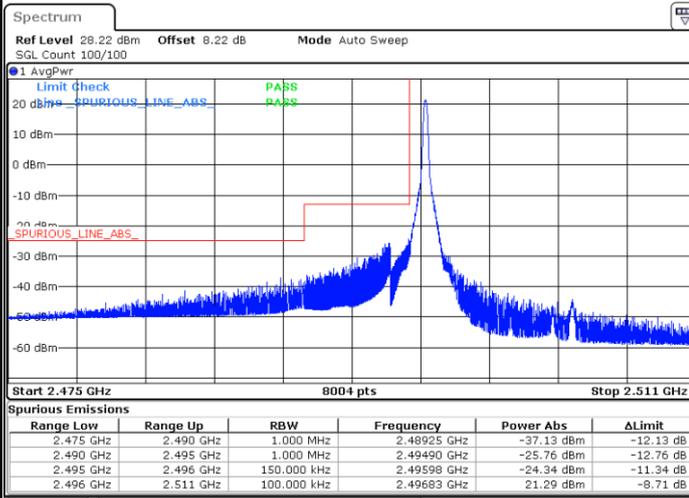


Date: 5.NOV.2024 20:31:39



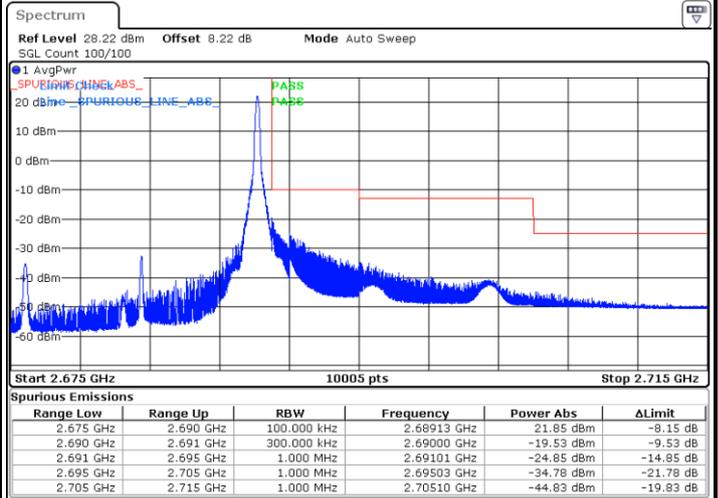
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



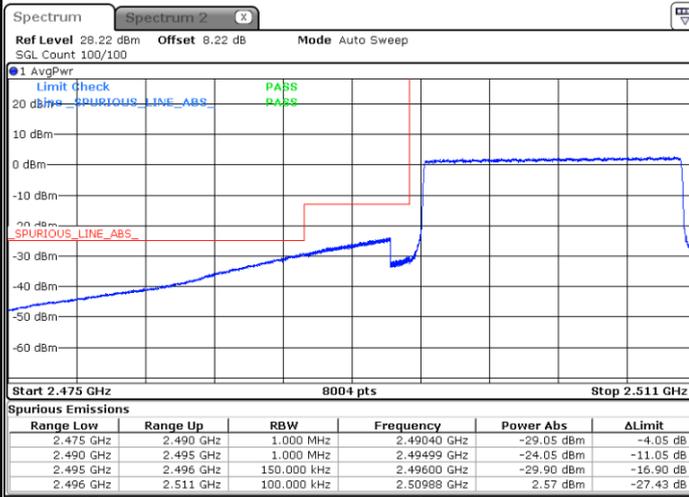
Date: 5.NOV.2024 20:07:47

Highest Band Edge / 1 RB



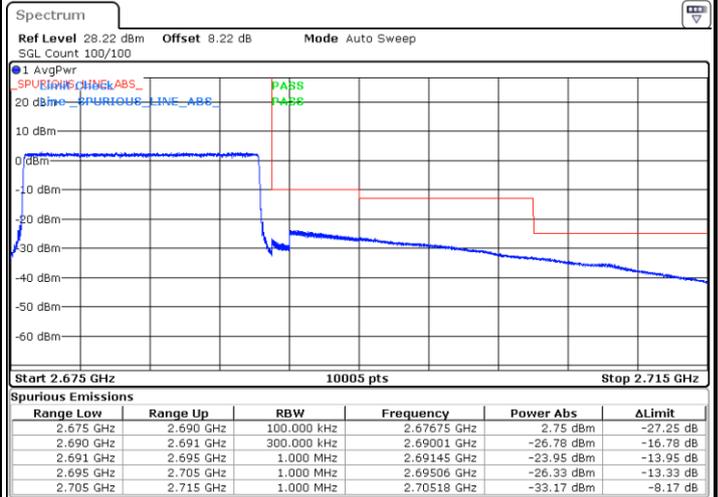
Date: 5.NOV.2024 20:26:16

Lowest Band Edge / Full RB



Date: 5.NOV.2024 22:26:01

Highest Band Edge / Full RB

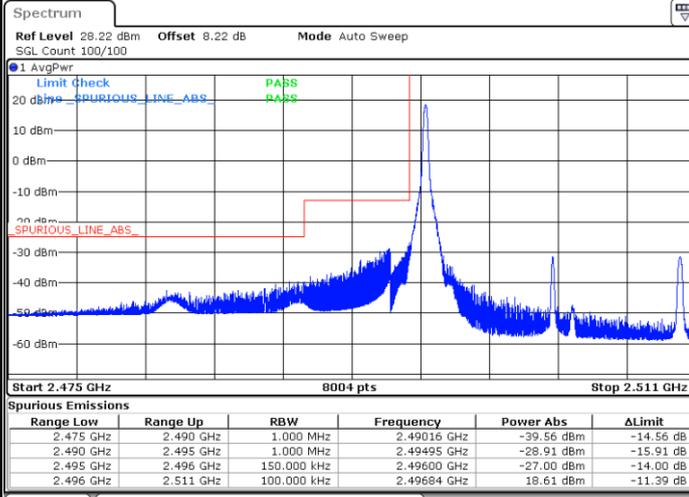


Date: 5.NOV.2024 20:33:27



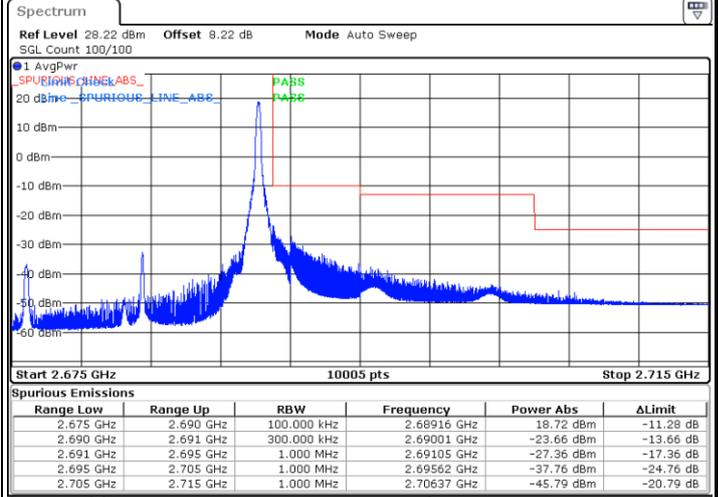
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1RB



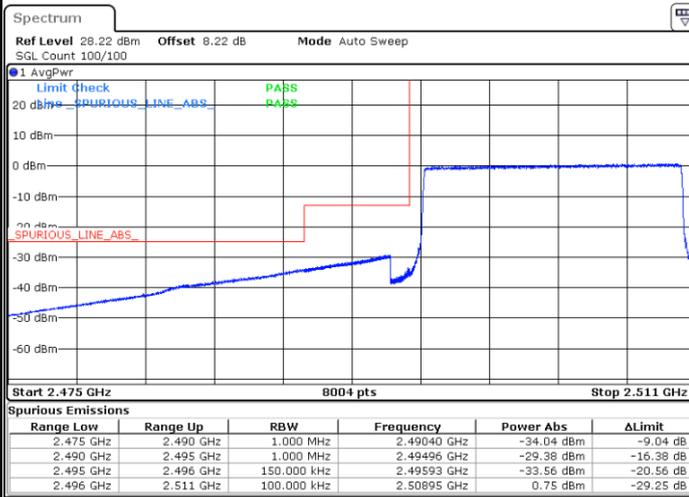
Date: 5.NOV.2024 20:09:35

Highest Band Edge / 1 RB



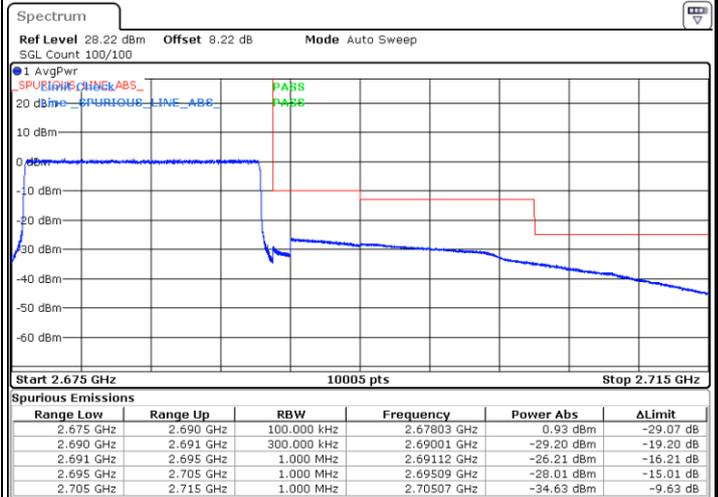
Date: 5.NOV.2024 20:28:03

Lowest Band Edge / Full RB



Date: 5.NOV.2024 20:16:50

Highest Band Edge / Full RB

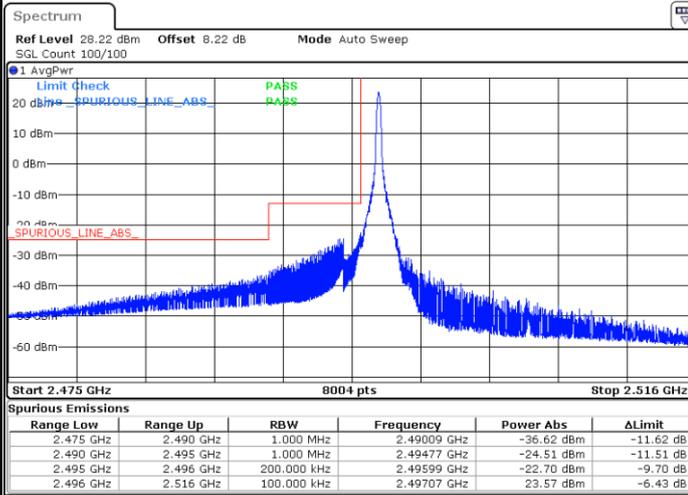


Date: 5.NOV.2024 20:35:14



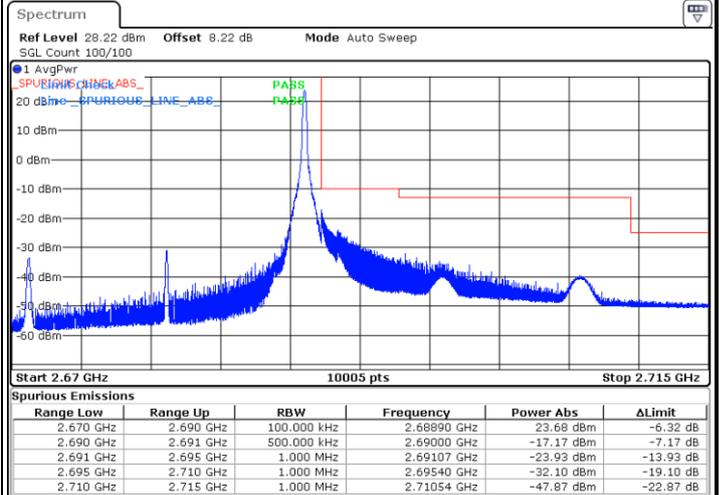
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



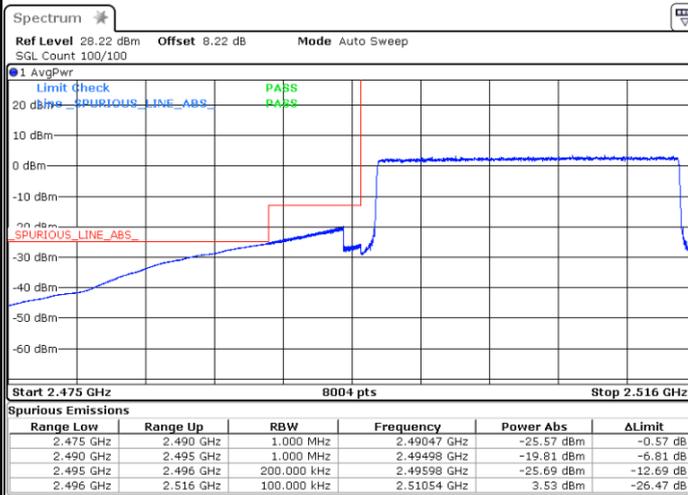
Date: 5.NOV.2024 20:39:06

Highest Band Edge / 1 RB



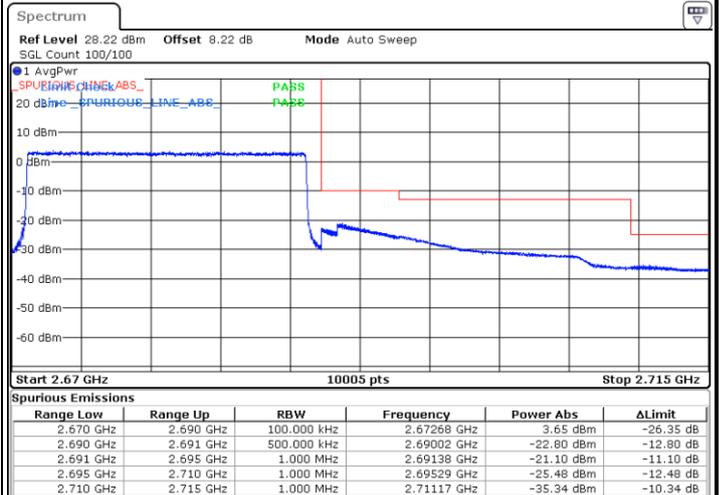
Date: 5.NOV.2024 20:57:38

Lowest Band Edge / Full RB



Date: 5.NOV.2024 21:58:59

Highest Band Edge / Full RB

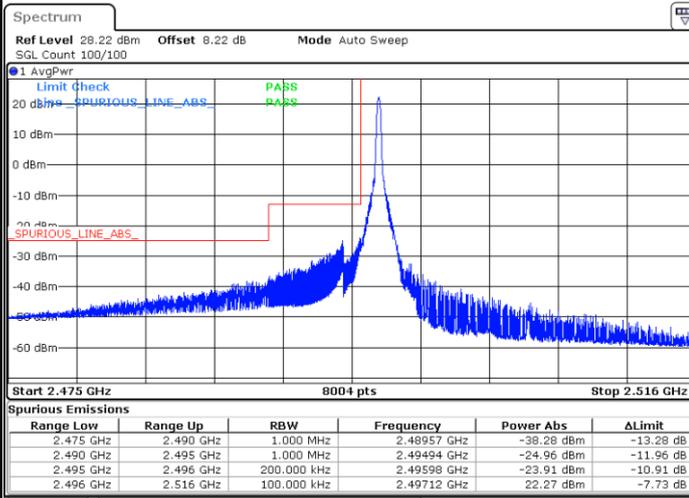


Date: 5.NOV.2024 21:04:50



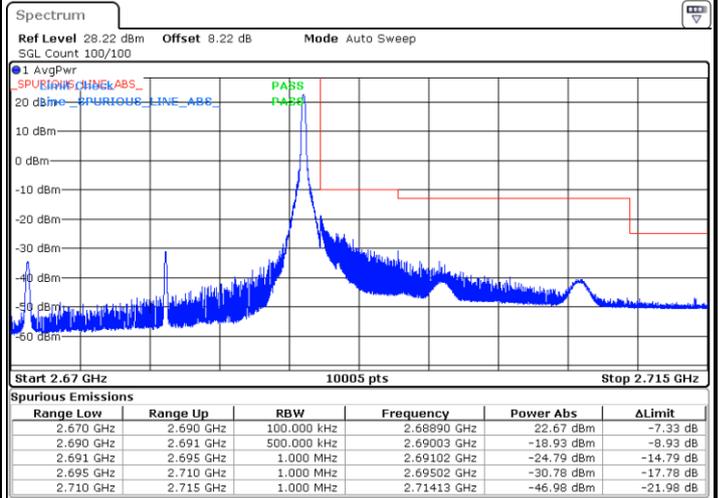
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



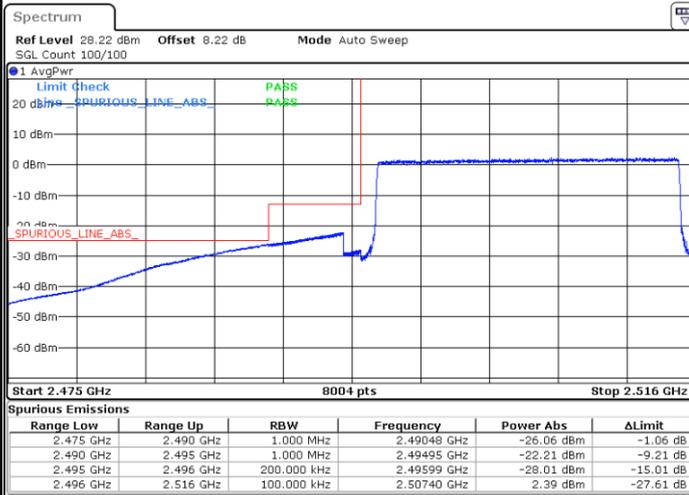
Date: 5.NOV.2024 20:40:54

Highest Band Edge / 1 RB



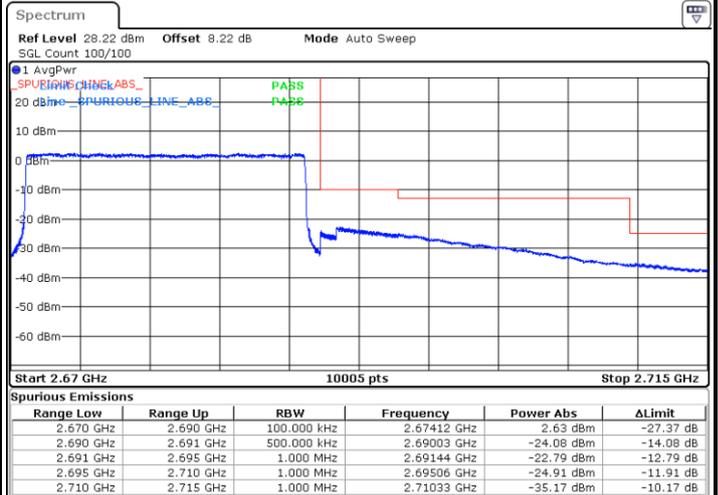
Date: 5.NOV.2024 20:59:26

Lowest Band Edge / Full RB



Date: 5.NOV.2024 20:48:10

Highest Band Edge / Full RB

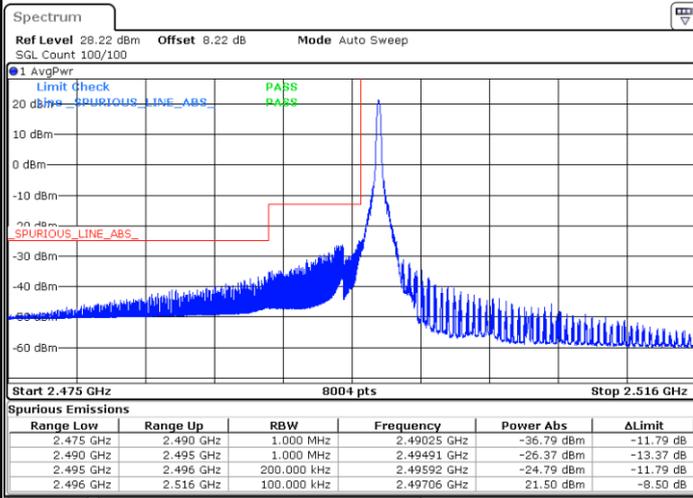


Date: 5.NOV.2024 21:06:38



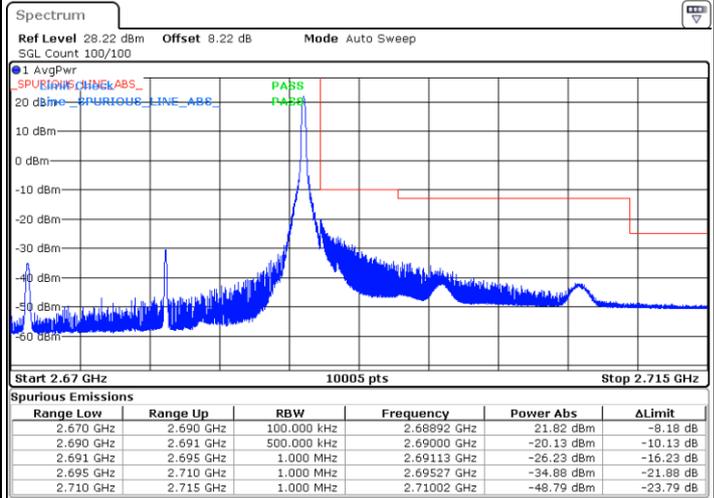
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



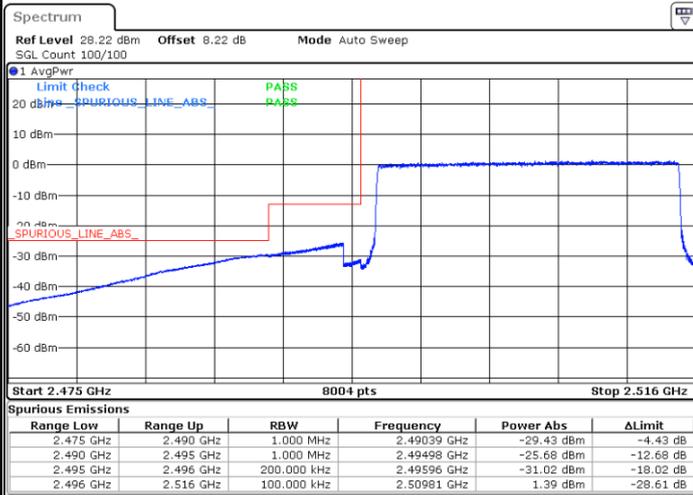
Date: 5.NOV.2024 20:42:43

Highest Band Edge / 1 RB



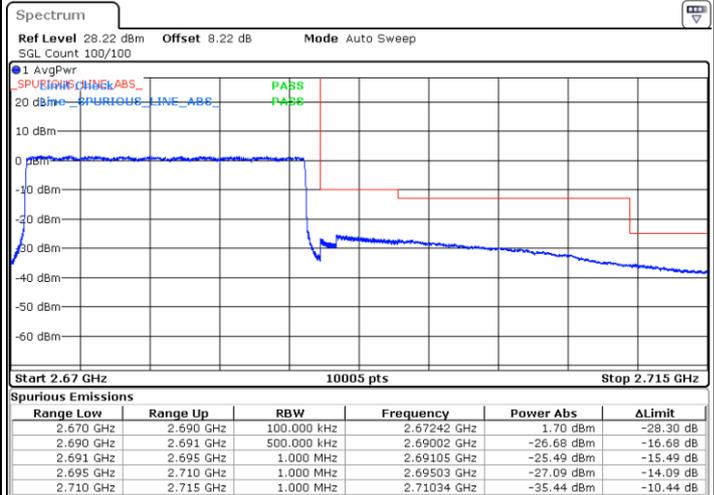
Date: 5.NOV.2024 21:01:14

Lowest Band Edge / Full RB



Date: 5.NOV.2024 20:49:59

Highest Band Edge / Full RB



Date: 5.NOV.2024 21:08:25

