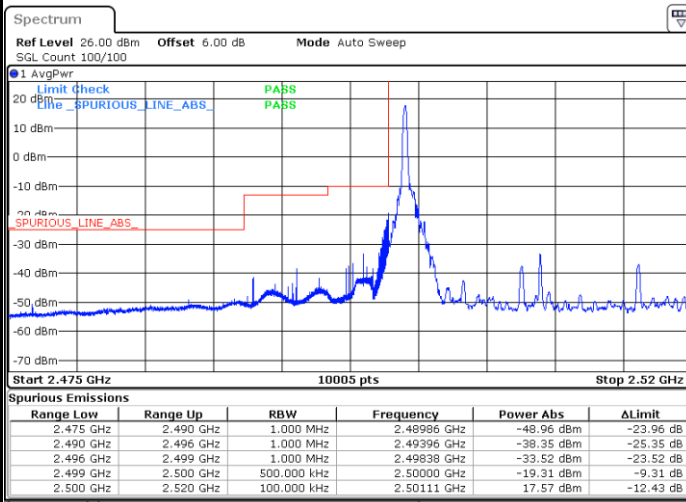




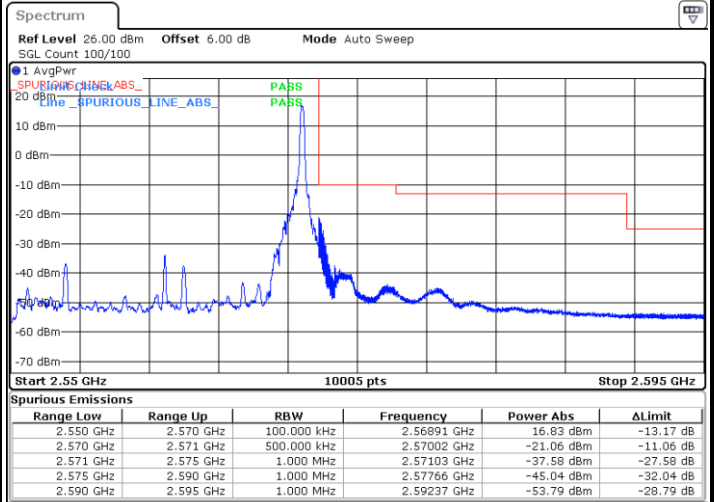
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



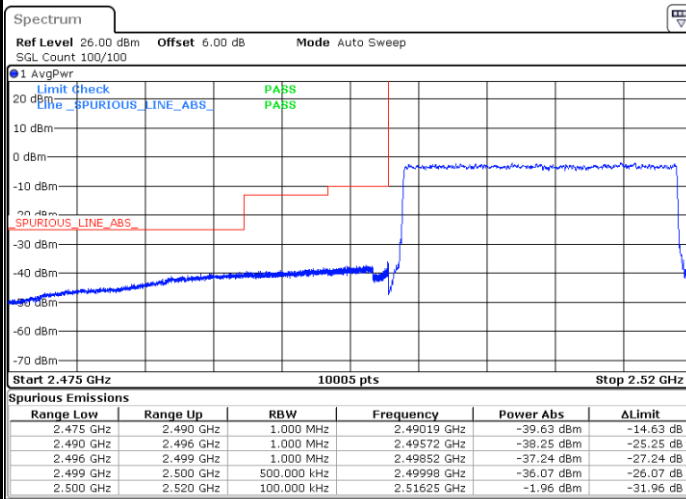
Date: 17.MAY.2022 10:31:11

Highest Band Edge / 1 RB



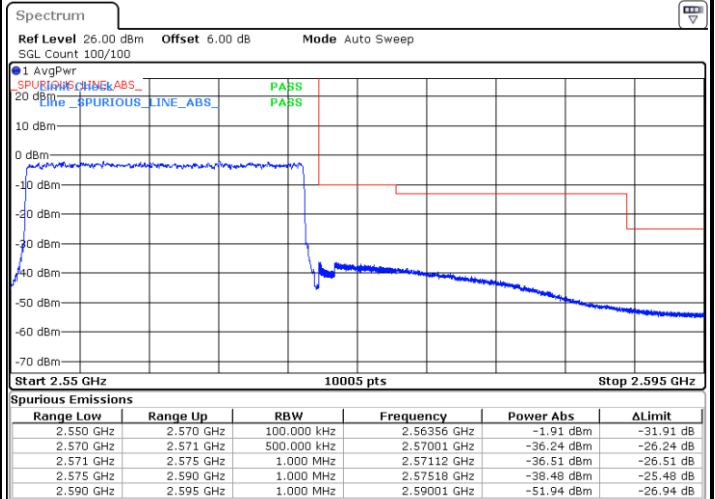
Date: 17.MAY.2022 10:31:57

Lowest Band Edge / Full RB



Date: 17.MAY.2022 10:30:26

Highest Band Edge / Full RB

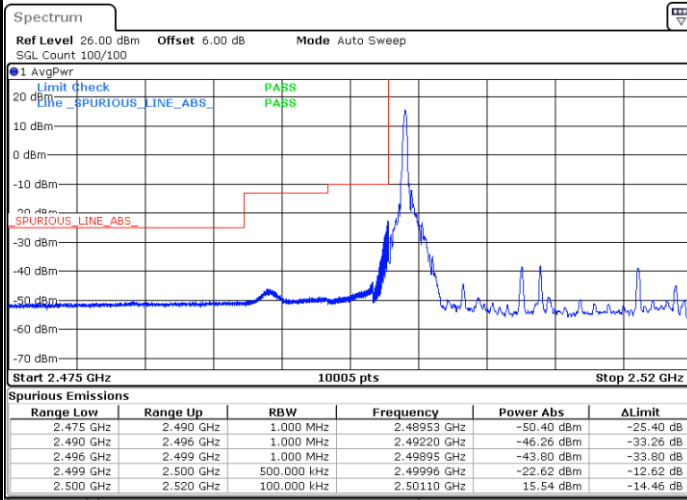


Date: 17.MAY.2022 10:33:01



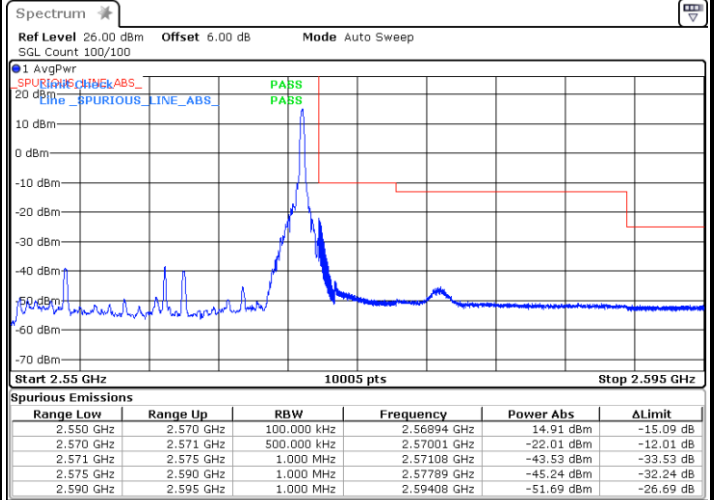
LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



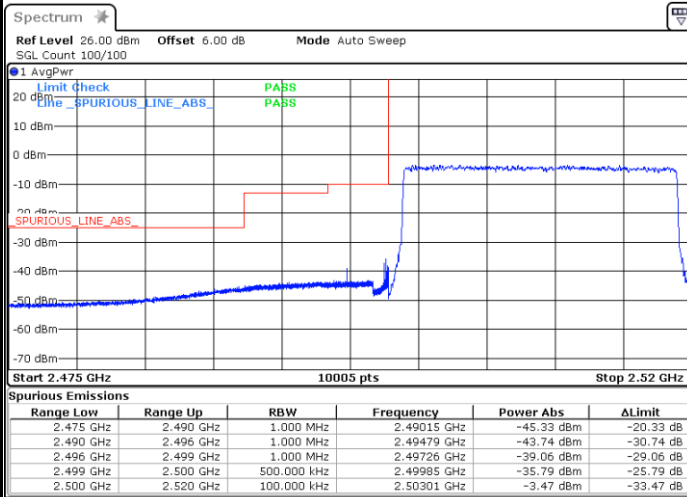
Date: 18.MAY.2022 22:40:46

Highest Band Edge / 1 RB



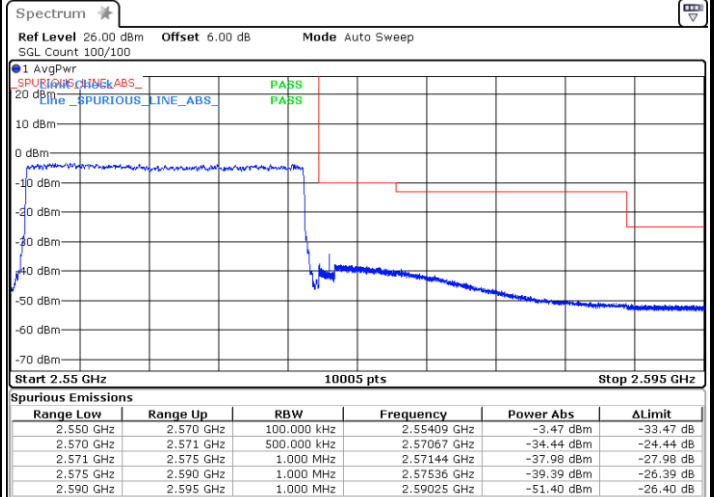
Date: 18.MAY.2022 22:42:38

Lowest Band Edge / Full RB



Date: 18.MAY.2022 22:41:25

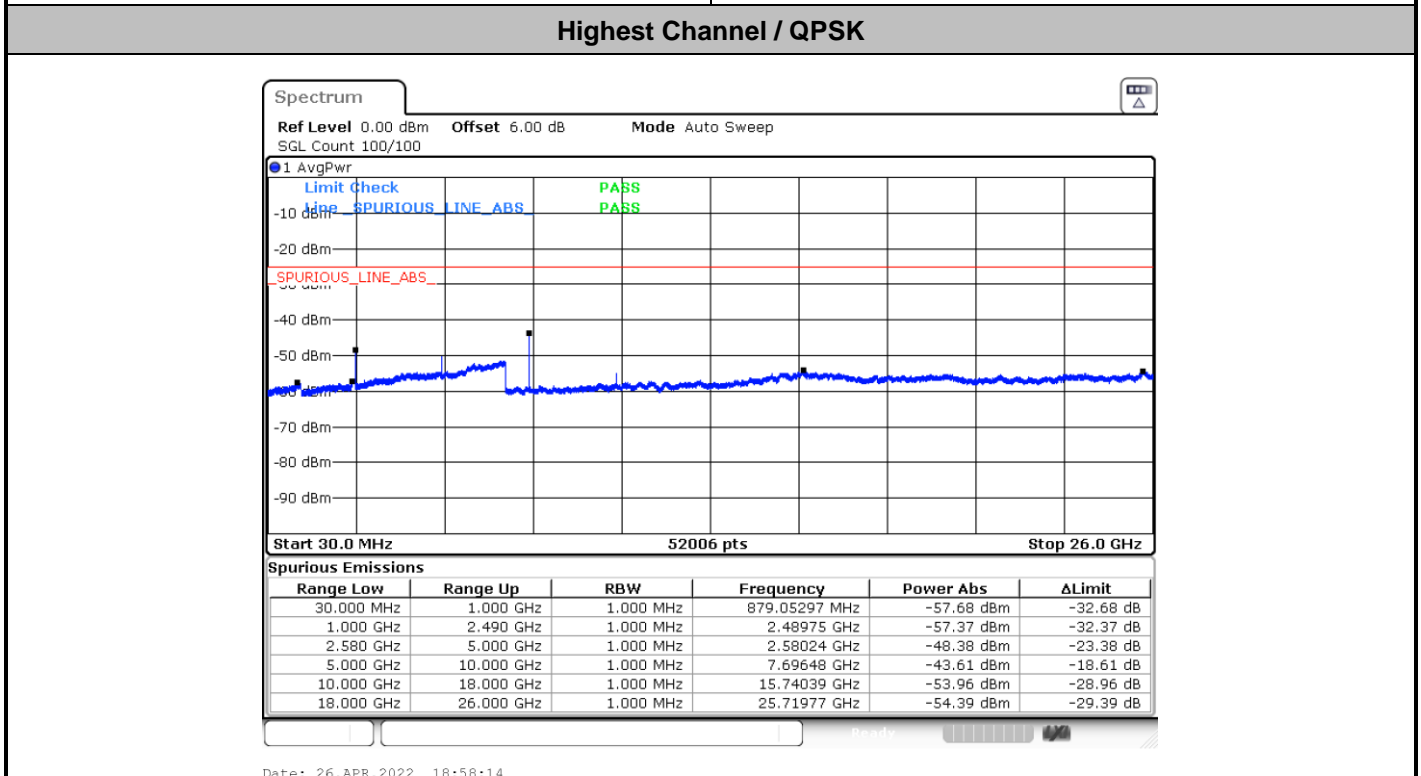
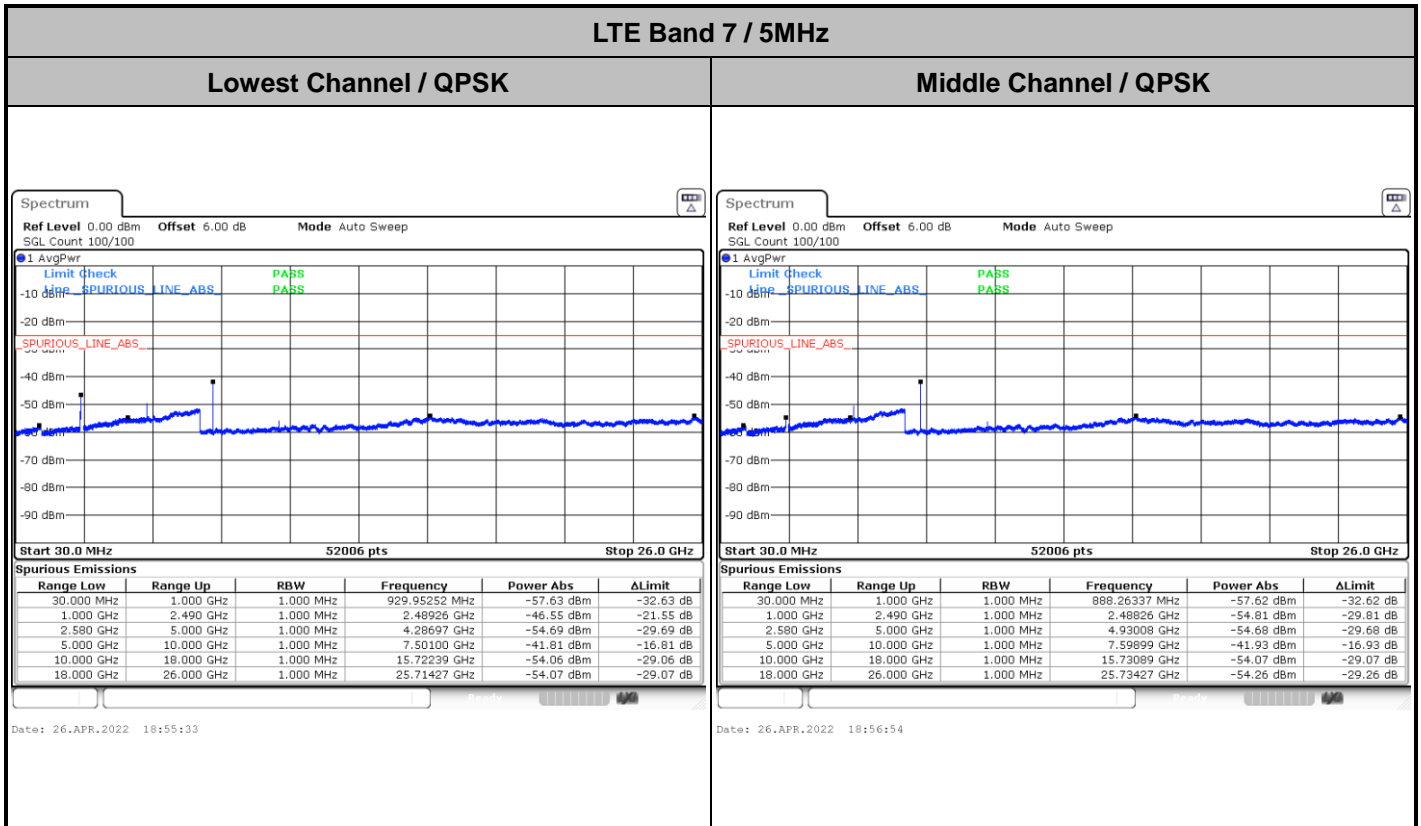
Highest Band Edge / Full RB



Date: 18.MAY.2022 22:42:02



# Conducted Spurious Emission

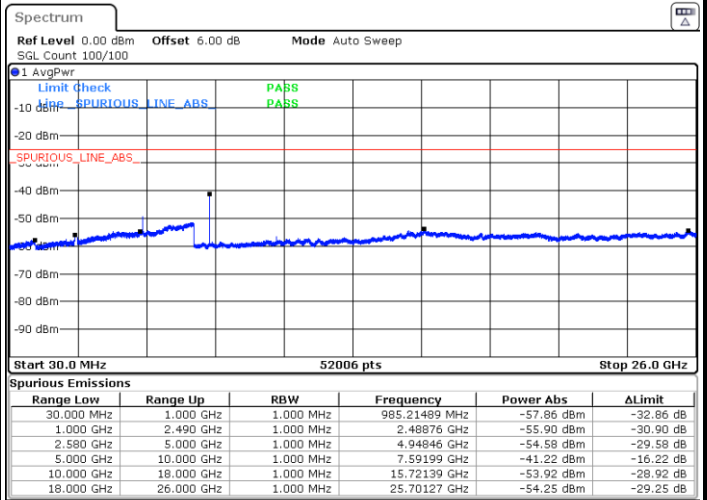
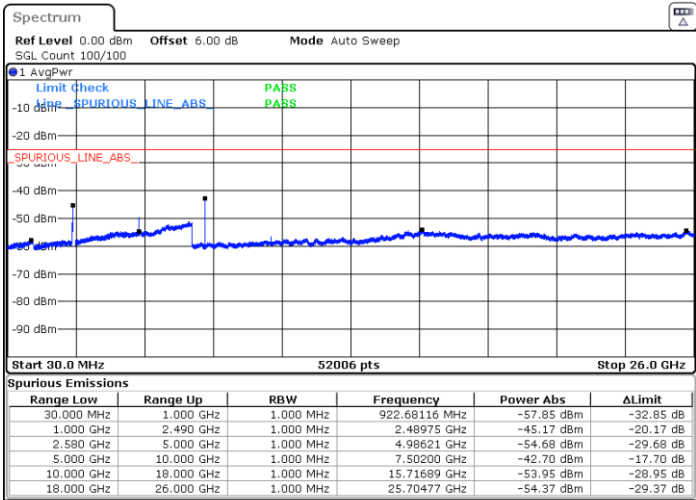




LTE Band 7 / 10MHz

Lowest Channel / QPSK

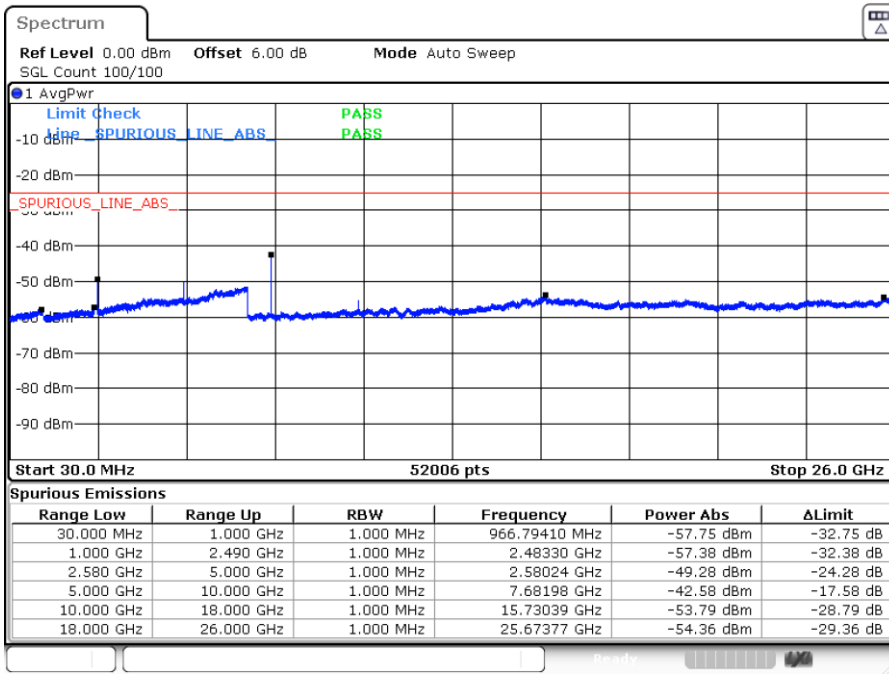
Middle Channel / QPSK



Date: 26.APR.2022 18:51:32

Date: 26.APR.2022 18:52:52

Highest Channel / QPSK



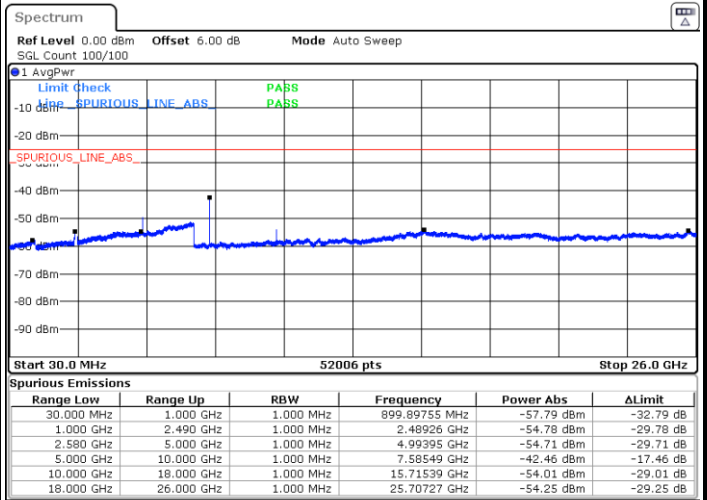
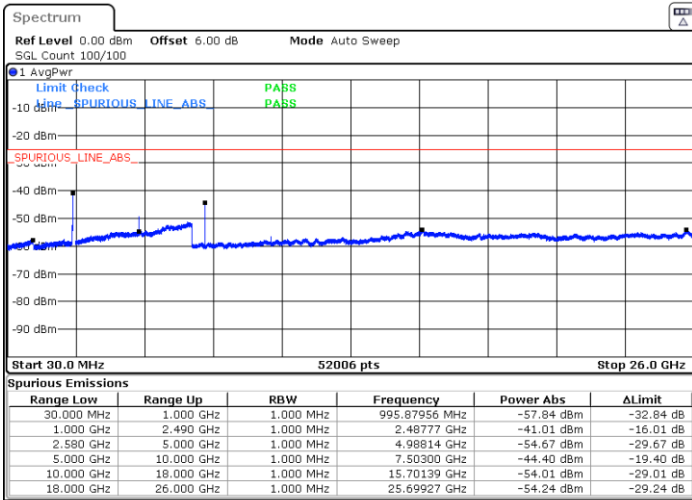
Date: 26.APR.2022 18:54:12



LTE Band 7 / 15MHz

Lowest Channel / QPSK

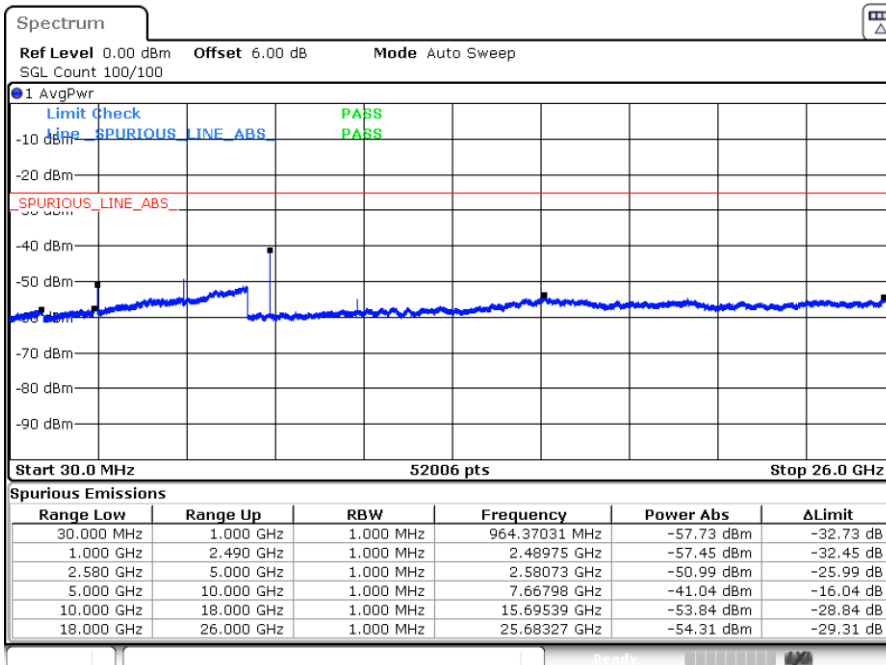
Middle Channel / QPSK



Date: 26.APR.2022 18:47:31

Date: 26.APR.2022 18:48:51

Highest Channel / QPSK



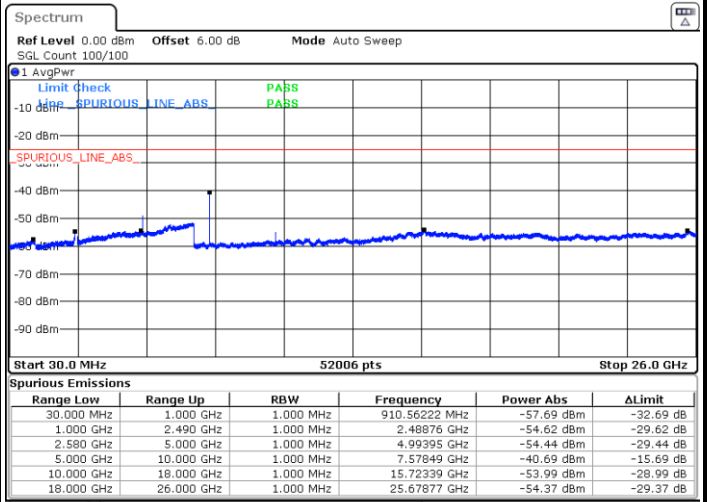
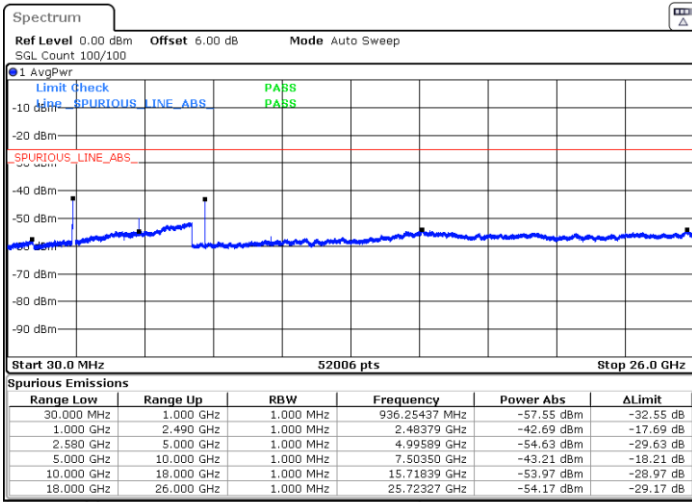
Date: 26.APR.2022 18:50:11



LTE Band 7 / 20MHz

Lowest Channel / QPSK

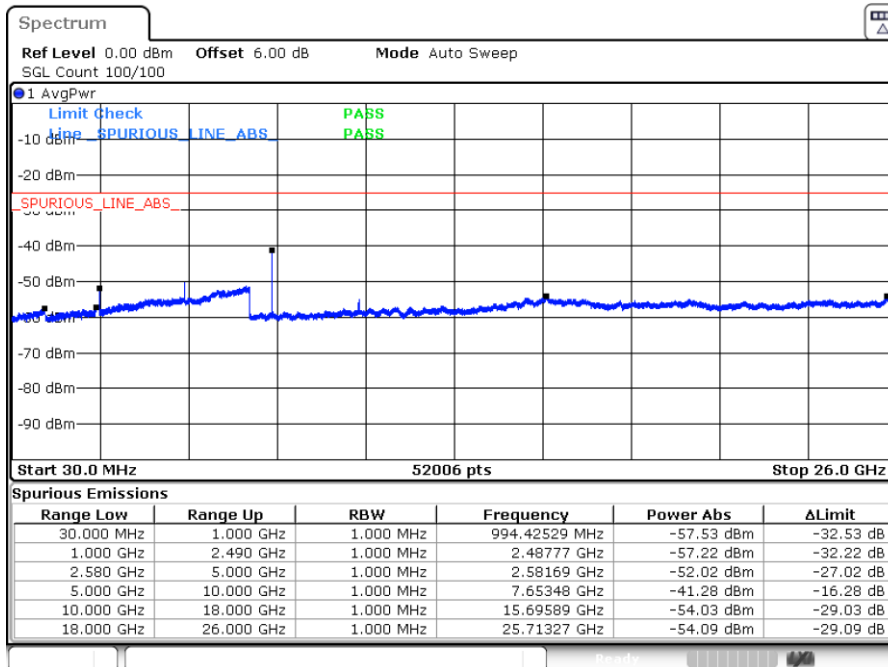
Middle Channel / QPSK



Date: 26.APR.2022 18:43:30

Date: 26.APR.2022 18:44:50

Highest Channel / QPSK



Date: 26.APR.2022 18:46:10



### 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	0.0072	PASS
40	Normal Voltage	0.0033	
30	Normal Voltage	0.0056	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0089	
0	Normal Voltage	0.0125	
-10	Normal Voltage	0.0116	
-20	Normal Voltage	0.0138	
-30	Normal Voltage	0.0076	
20	Maximum Voltage	0.0053	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0067	

**Note:**

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 41

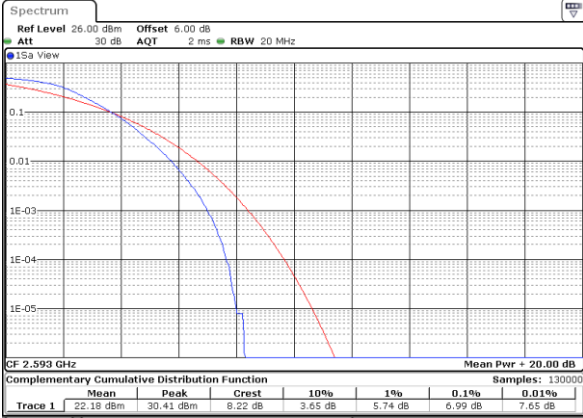
### Peak-to-Average Ratio

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	6.99	6.03	7.04	7.01	<b>PASS</b>



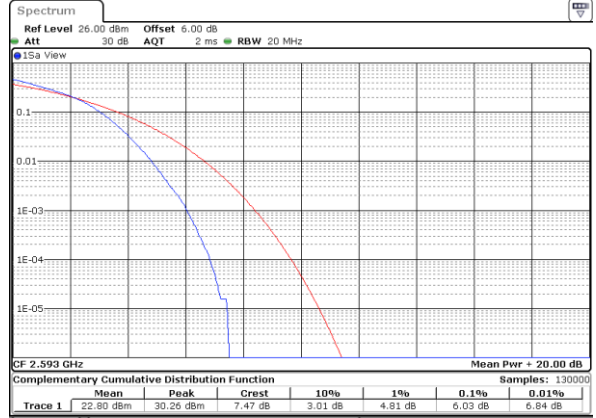
LTE Band 41/ 20MHz

Middle Channel / Full RB/ QPSK



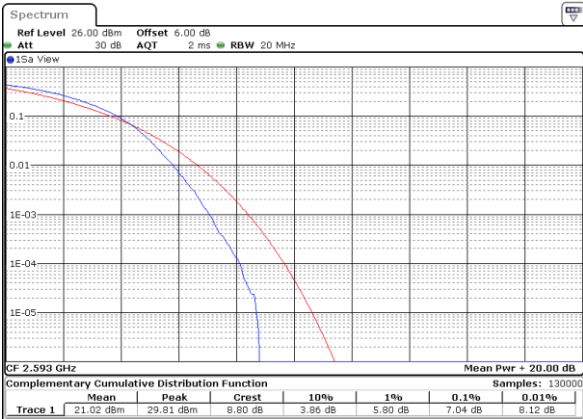
Date: 18.MAY.2022 23:34:33

Middle Channel / Full RB/ 16QAM



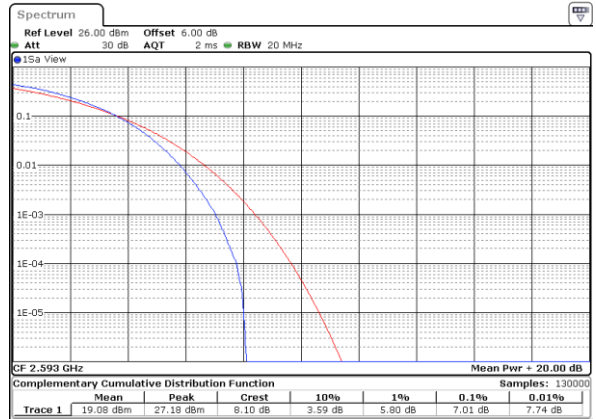
Date: 18.MAY.2022 23:34:07

Middle Channel / Full RB/64QAM



Date: 18.MAY.2022 23:33:54

Middle Channel / Full RB/ 256QAM

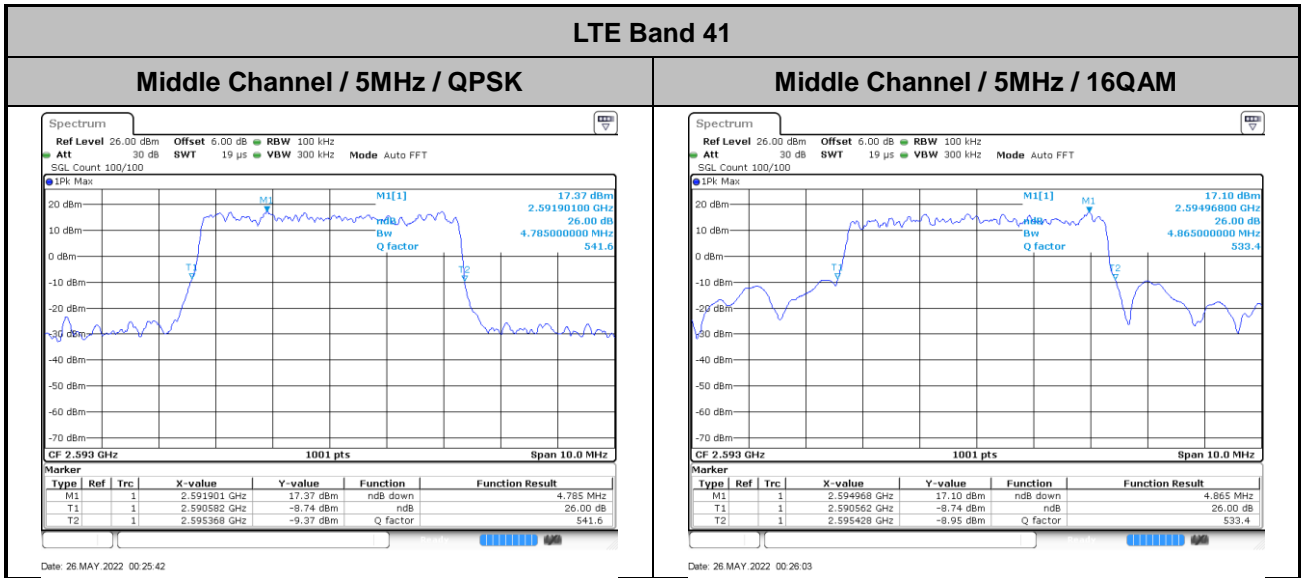


Date: 18.MAY.2022 23:32:57



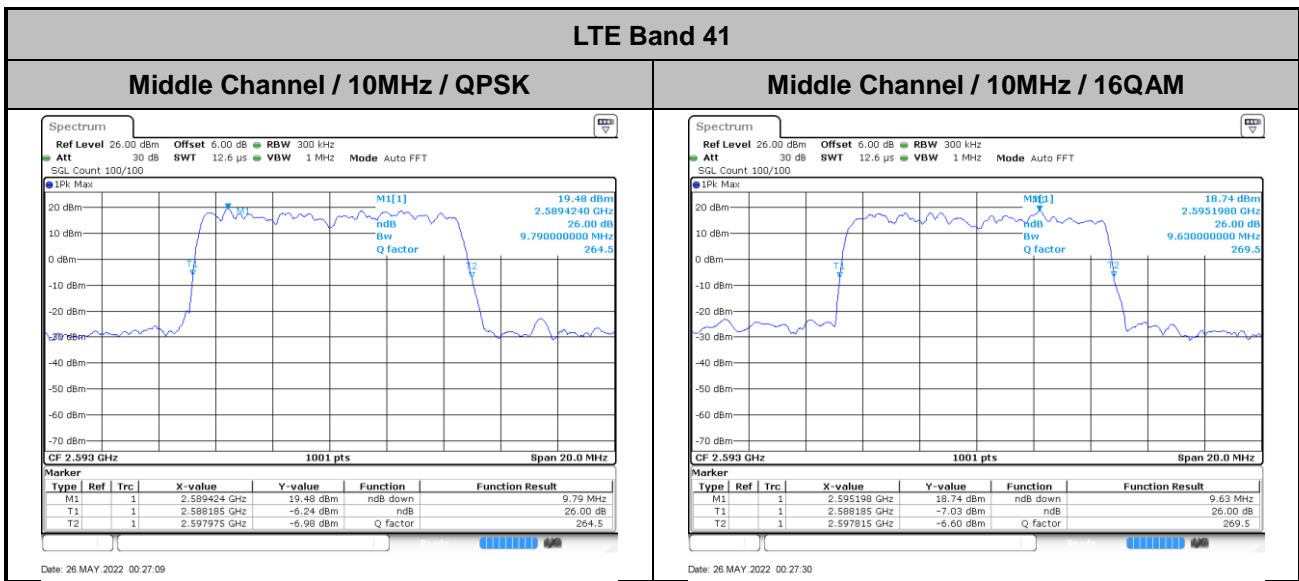
**26dB Bandwidth**

Mode	LTE Band 41: 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.79	4.87



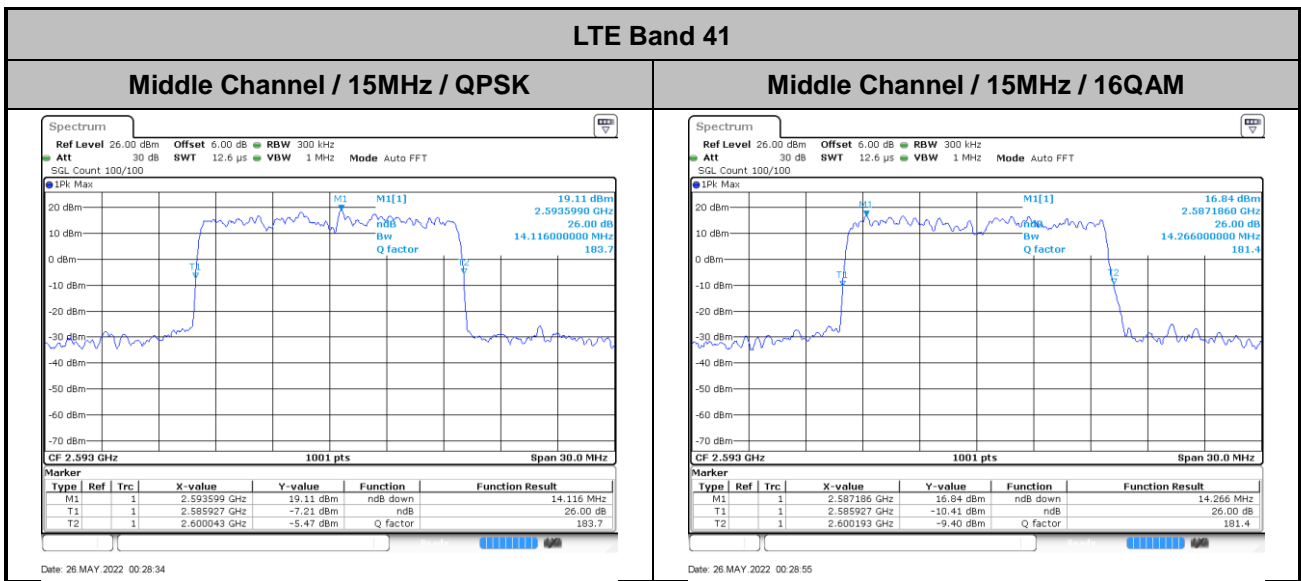


Mode	LTE Band 41: 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.79	9.63



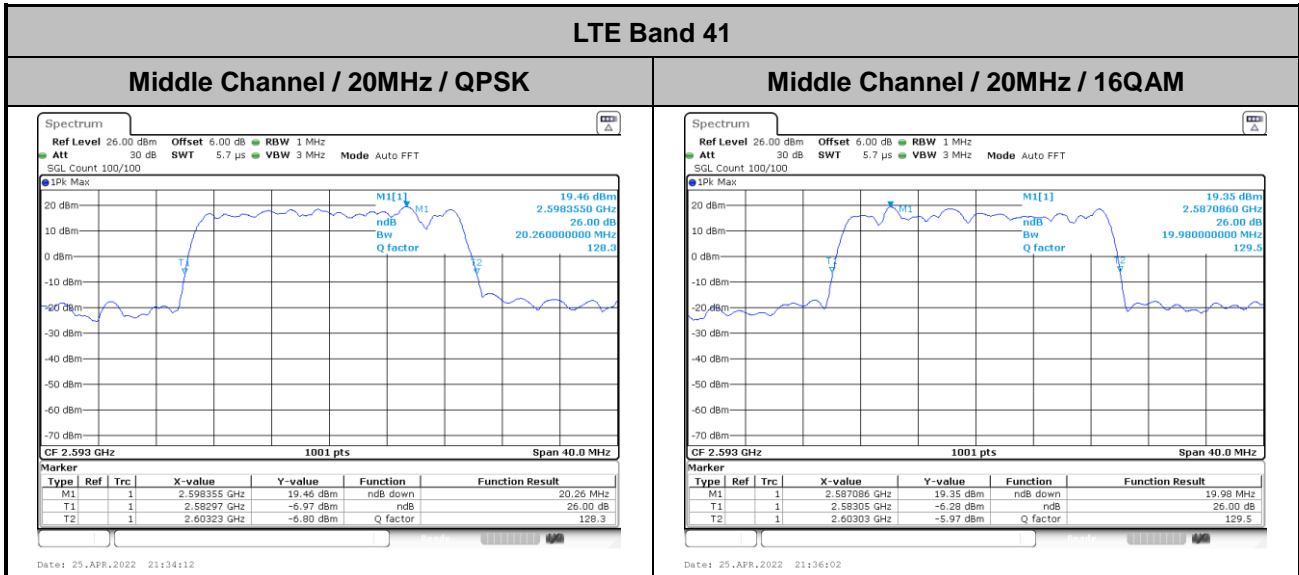


Mode	LTE Band 41: 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.12	14.27





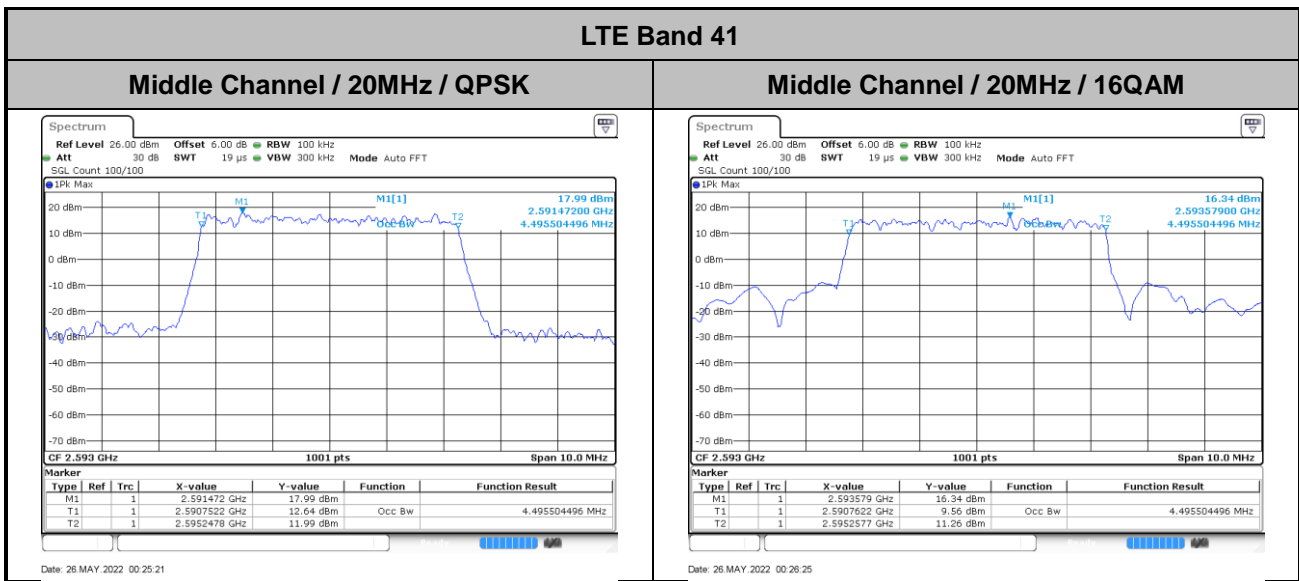
Mode	LTE Band 41: 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.26	19.98





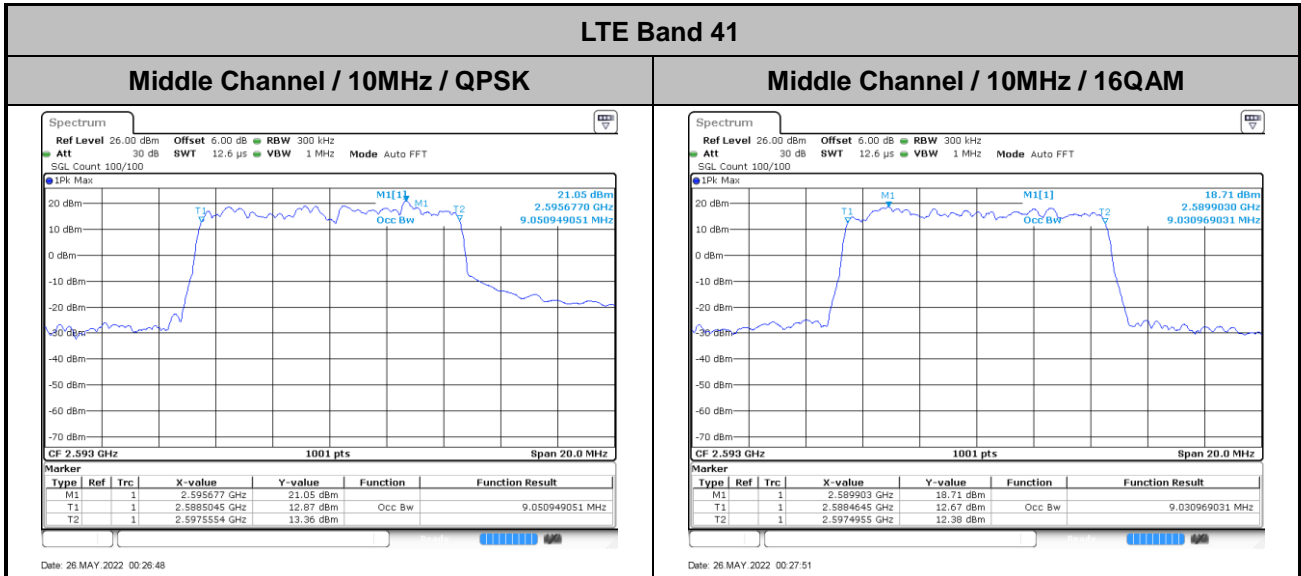
## Occupied Bandwidth

<b>Mode</b>	<b>LTE Band 41 : 99%OBW(MHz)</b>	
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	<b>4.50</b>	<b>4.50</b>



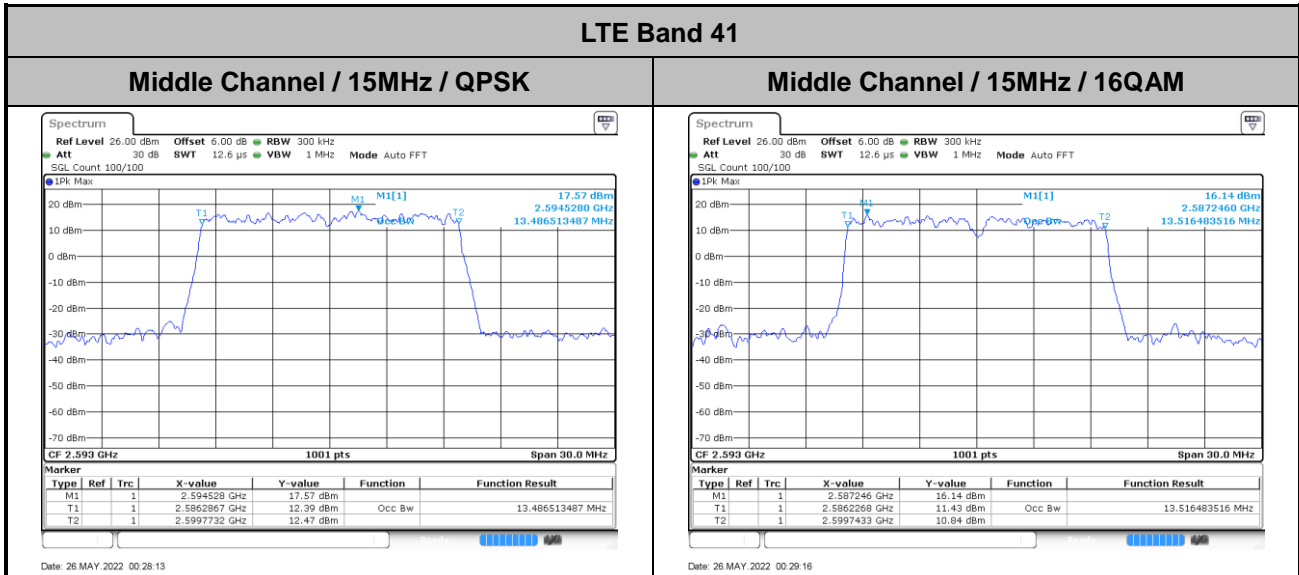


Mode	LTE Band 41 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.03



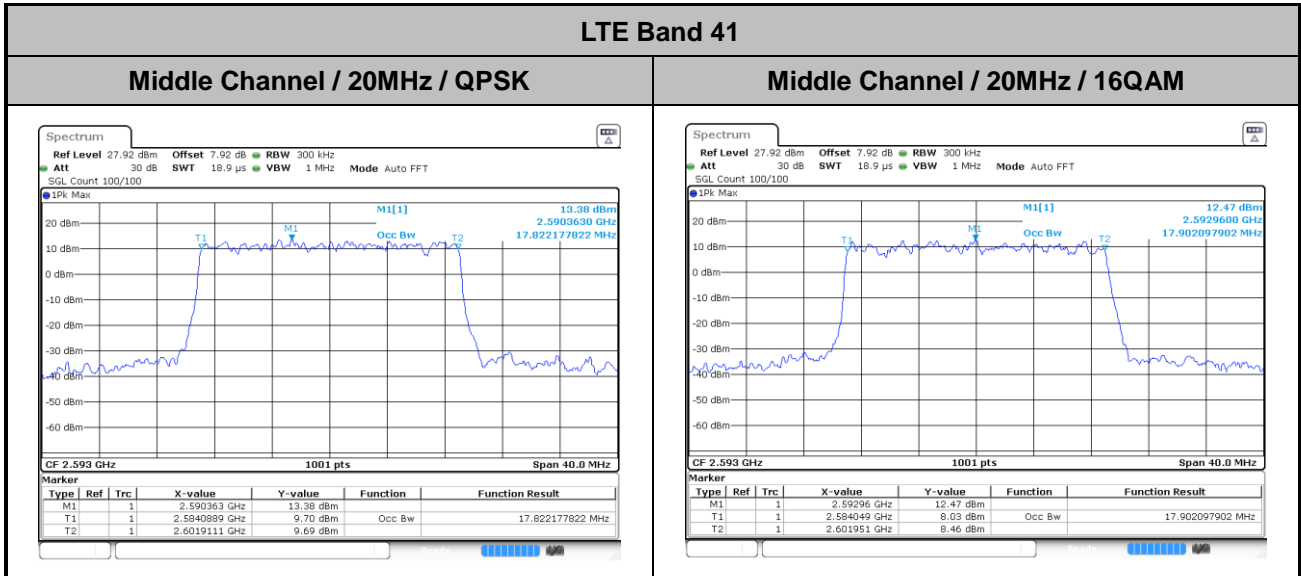


Mode	LTE Band 41 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.49	13.52



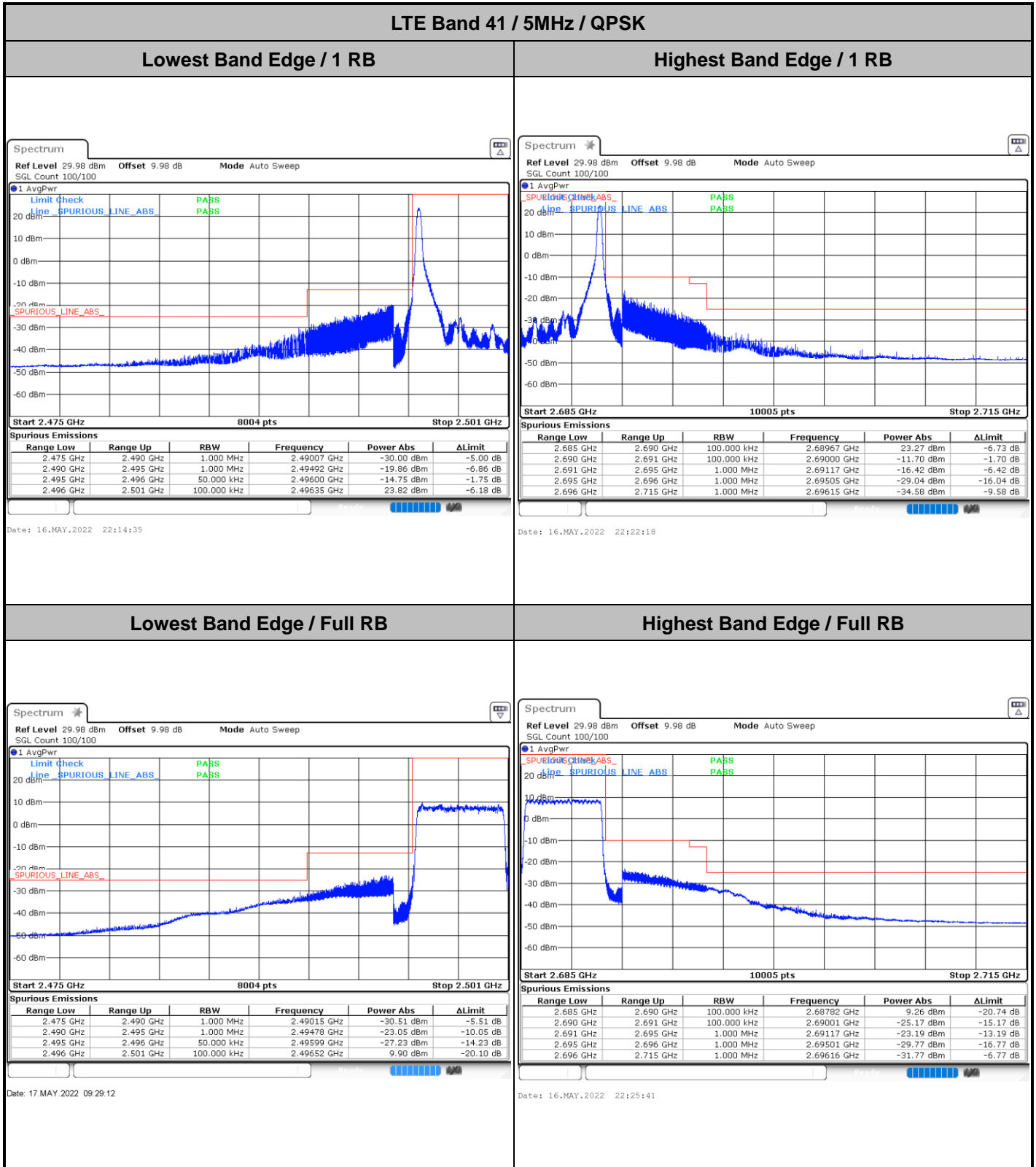


Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.82	17.90





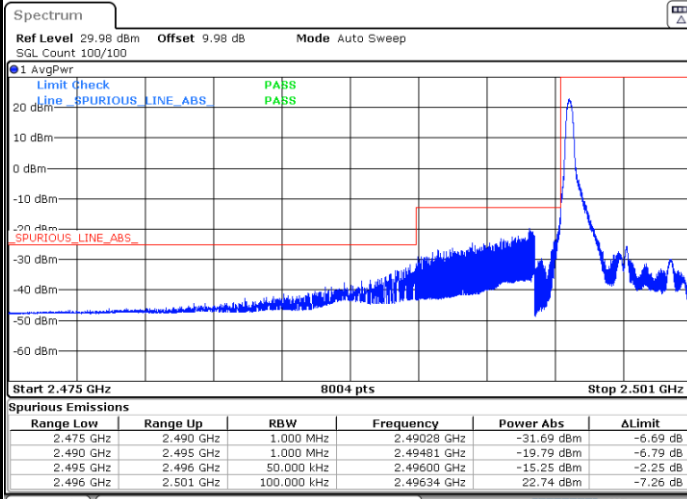
# Conducted Band Edge





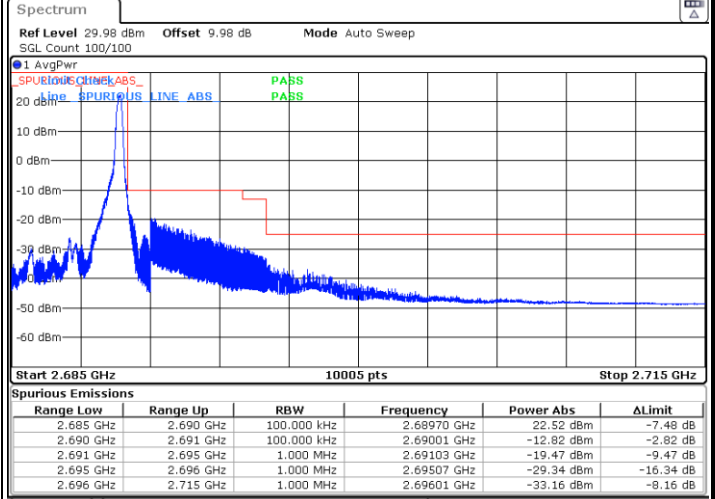
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



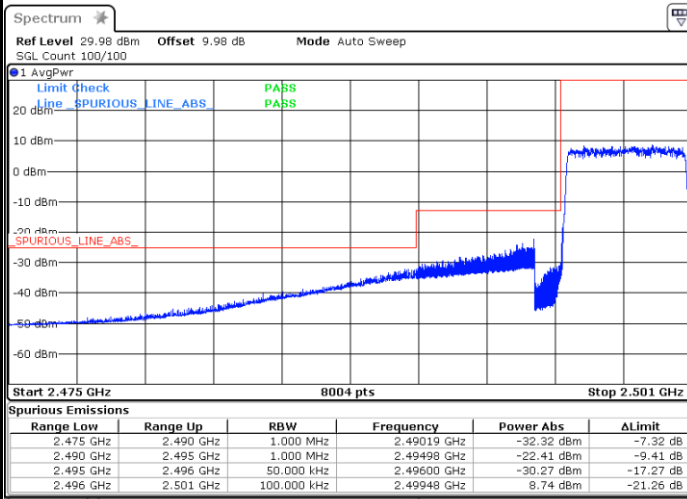
Date: 16.MAY.2022 22:18:06

Highest Band Edge / 1 RB



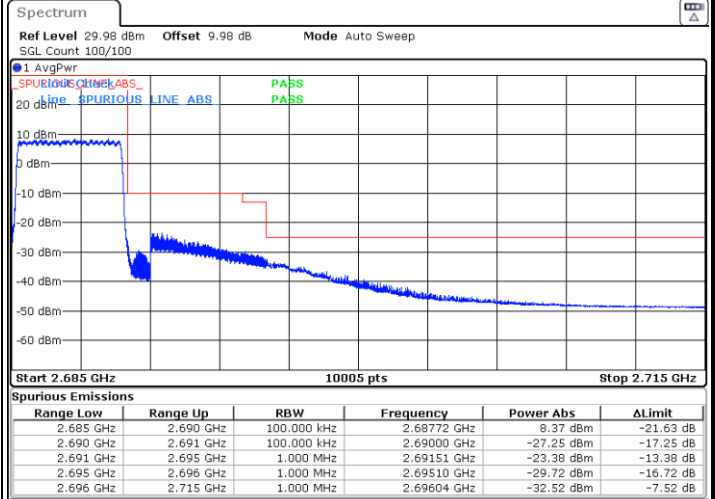
Date: 16.MAY.2022 22:24:01

Lowest Band Edge / Full RB



Date: 17.MAY.2022 09:30:35

Highest Band Edge / Full RB

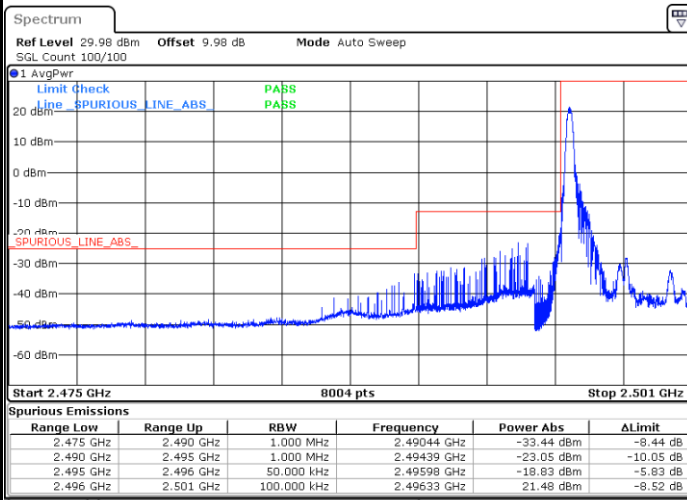


Date: 16.MAY.2022 22:27:00



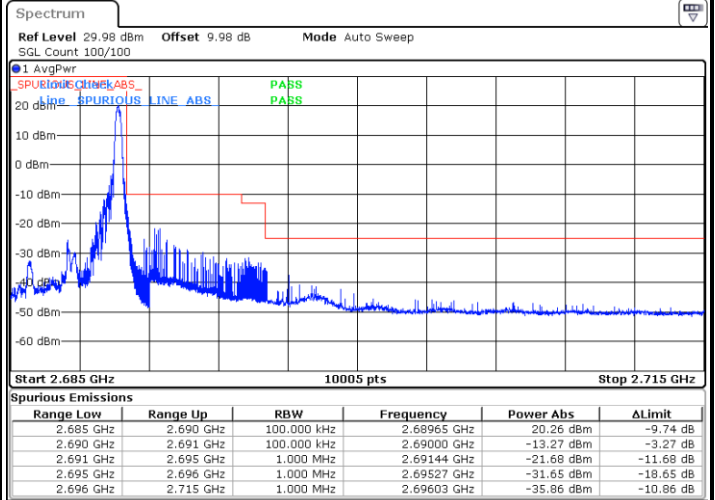
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



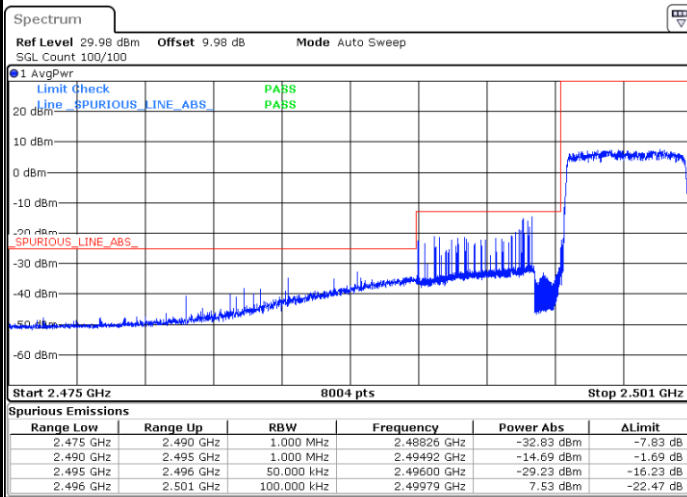
Date: 17.MAY.2022 09:25:28

Highest Band Edge / 1 RB



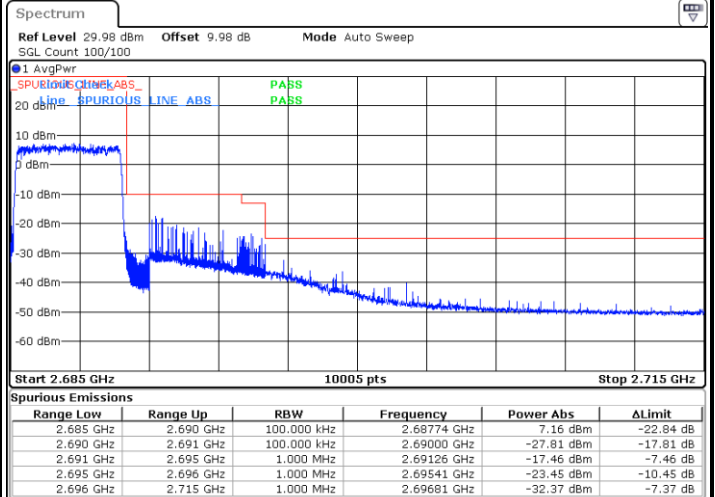
Date: 17.MAY.2022 09:34:48

Lowest Band Edge / Full RB



Date: 17.MAY.2022 09:31:10

Highest Band Edge / Full RB

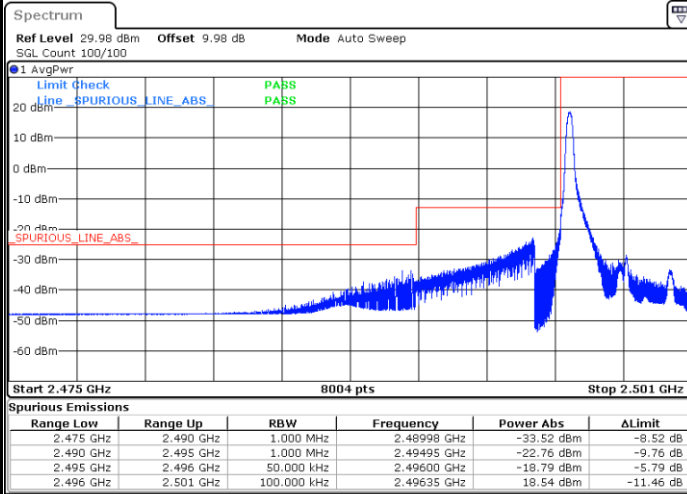


Date: 17.MAY.2022 09:34:07



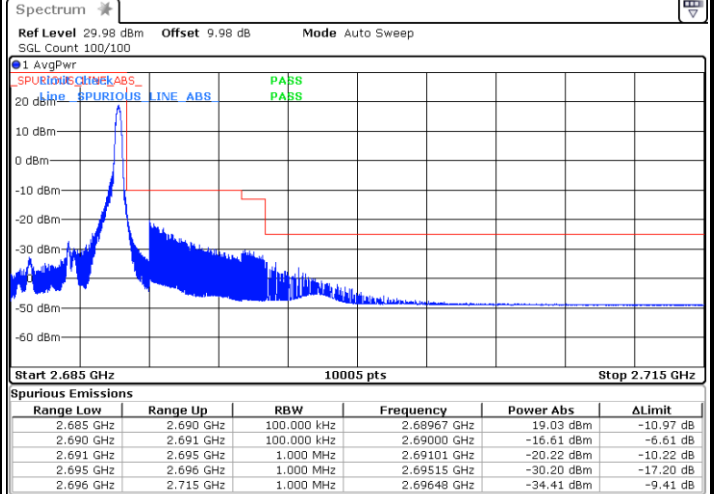
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1RB



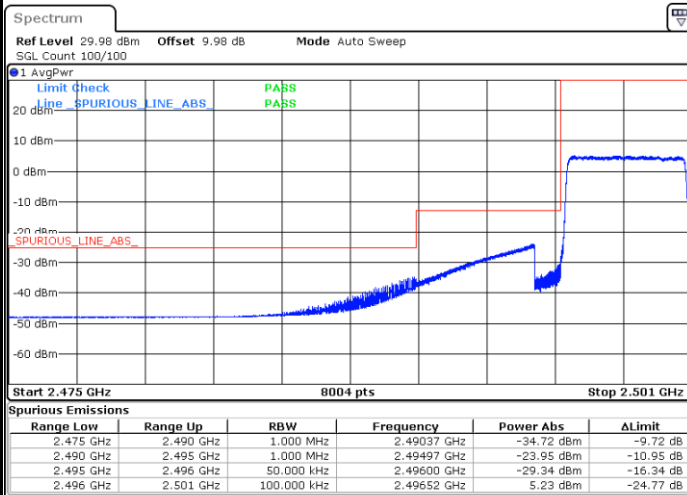
Date: 18.MAY.2022 22:45:13

Highest Band Edge / 1 RB



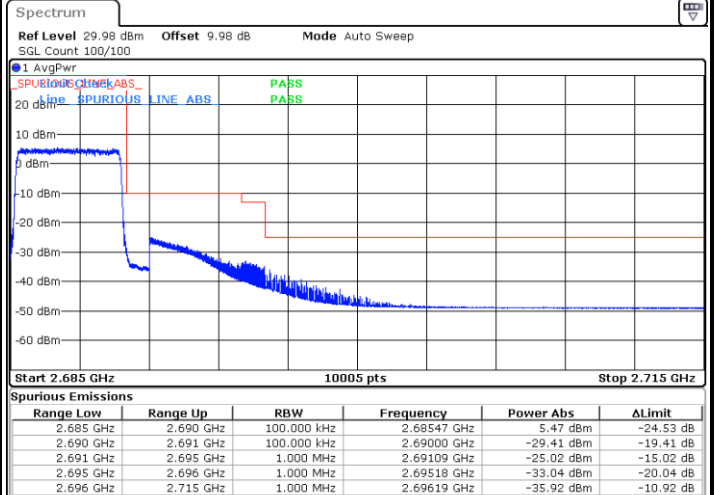
Date: 18.MAY.2022 22:59:07

Lowest Band Edge / Full RB



Date: 18.MAY.2022 22:47:18

Highest Band Edge / Full RB

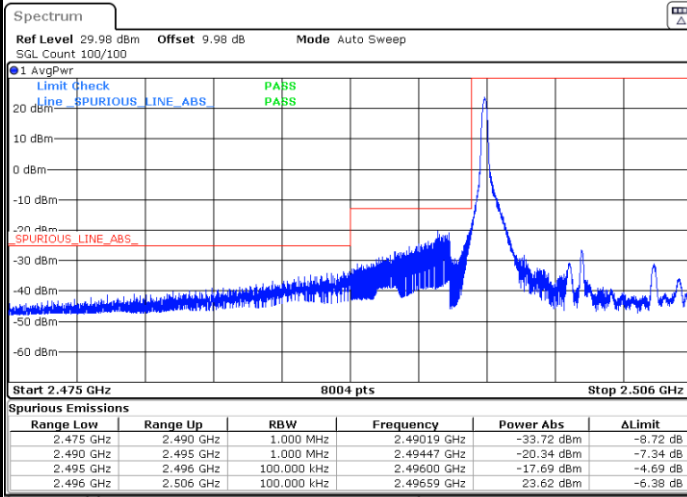


Date: 18.MAY.2022 22:57:05



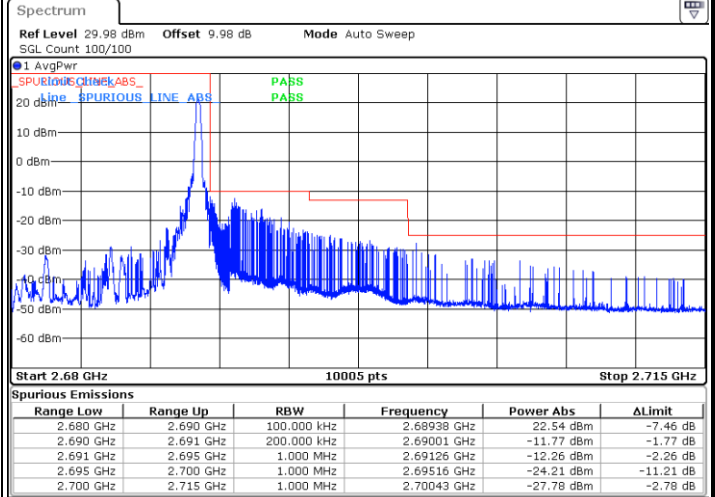
LTE Band 41/ 10MHz / QPSK

Lowest Band Edge / 1 RB



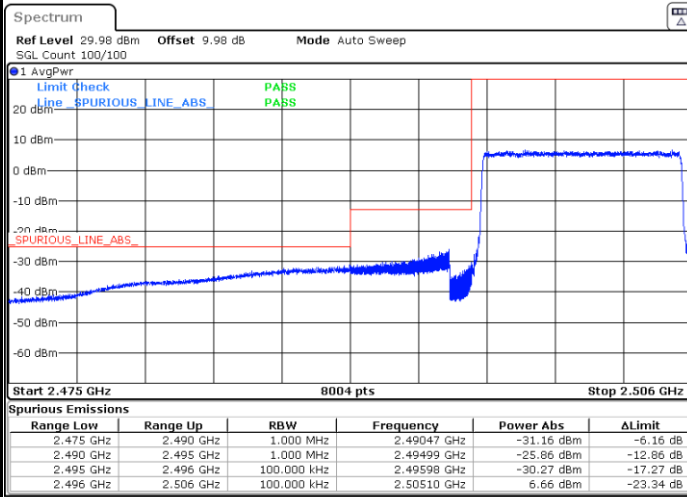
Date: 16.MAY.2022 22:28:23

Highest Band Edge / 1 RB



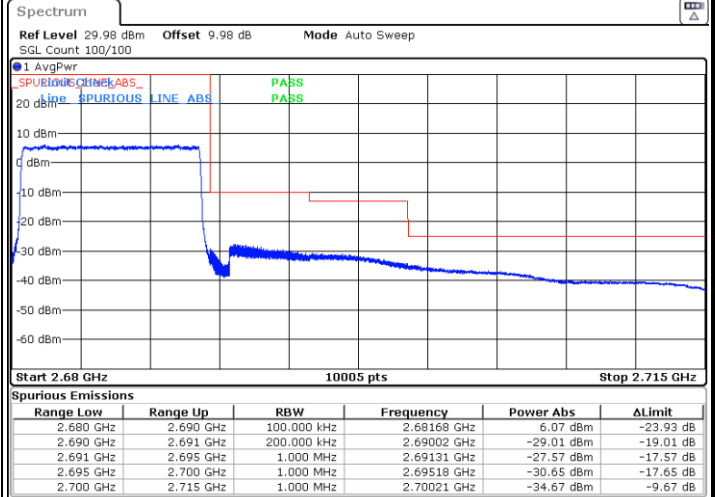
Date: 17.MAY.2022 09:39:07

Lowest Band Edge / Full RB



Date: 16.MAY.2022 22:32:06

Highest Band Edge / Full RB

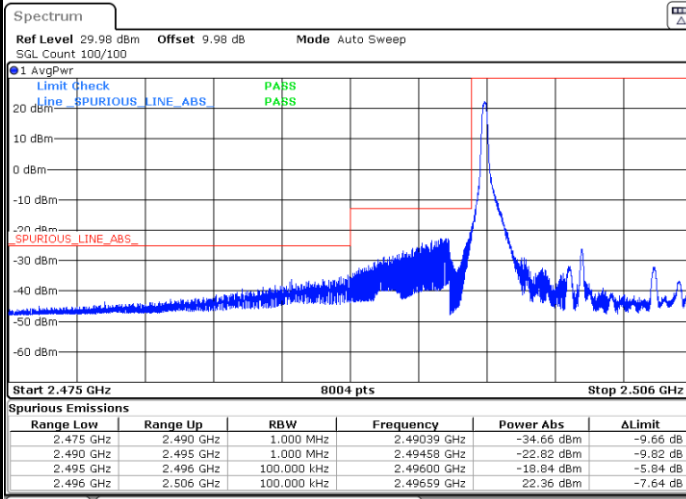


Date: 16.MAY.2022 22:34:45



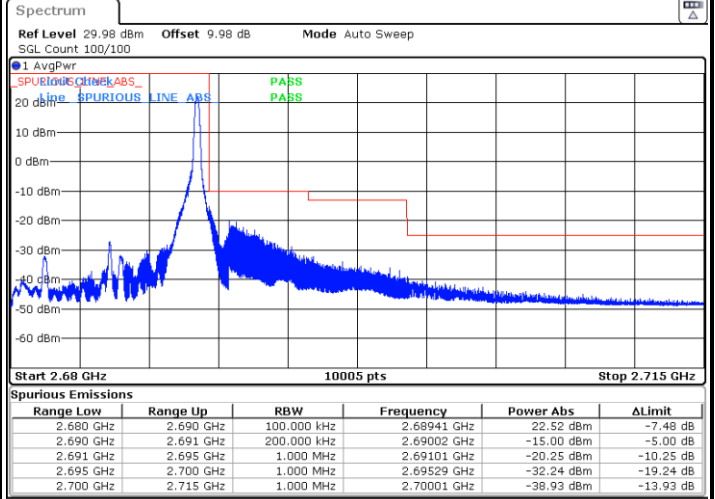
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



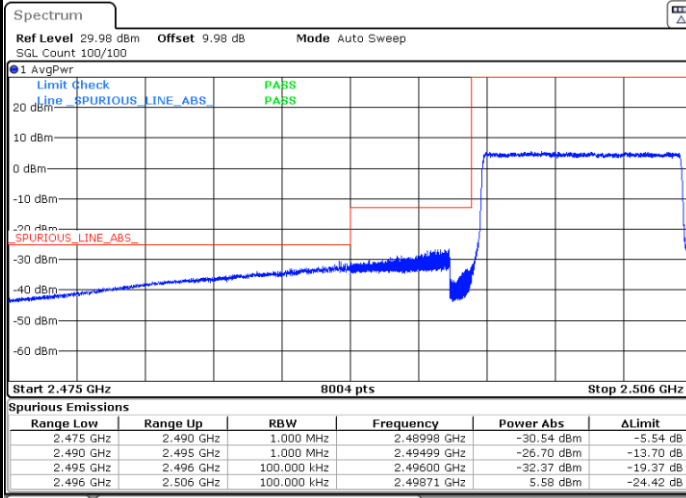
Date: 16.MAY.2022 22:29:38

Highest Band Edge / 1 RB



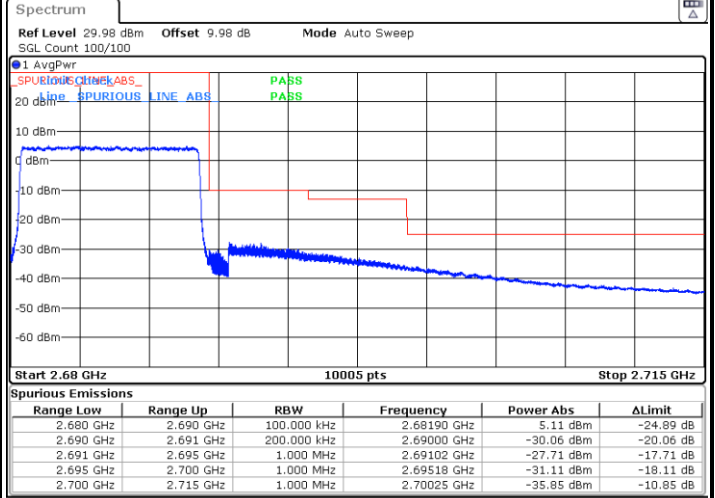
Date: 16.MAY.2022 22:37:44

Lowest Band Edge / Full RB



Date: 16.MAY.2022 22:33:21

Highest Band Edge / Full RB

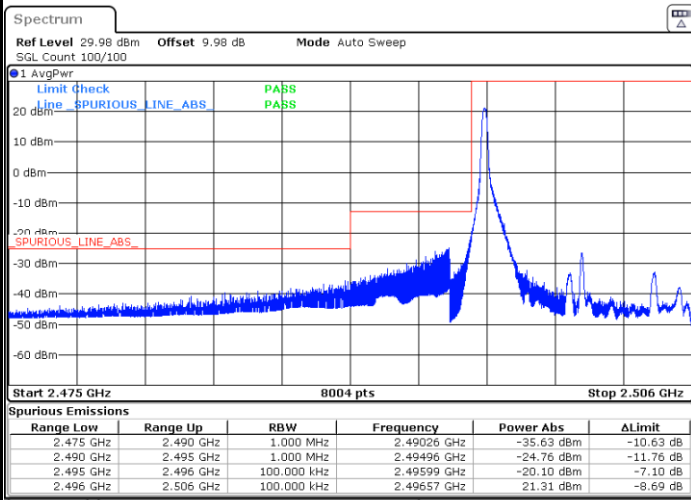


Date: 16.MAY.2022 22:36:05



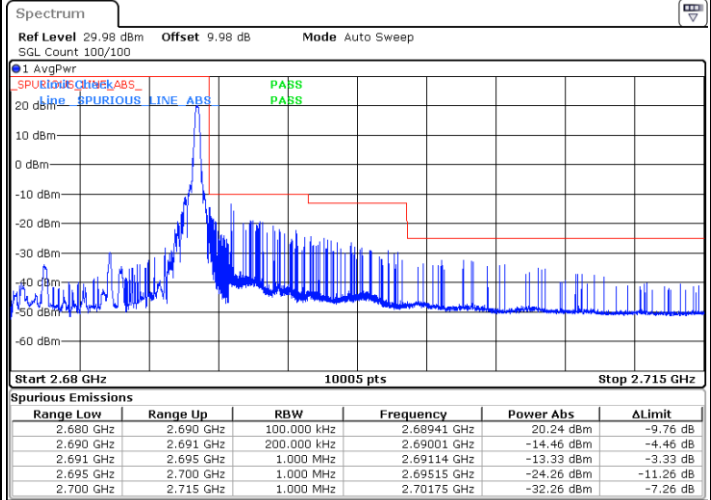
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



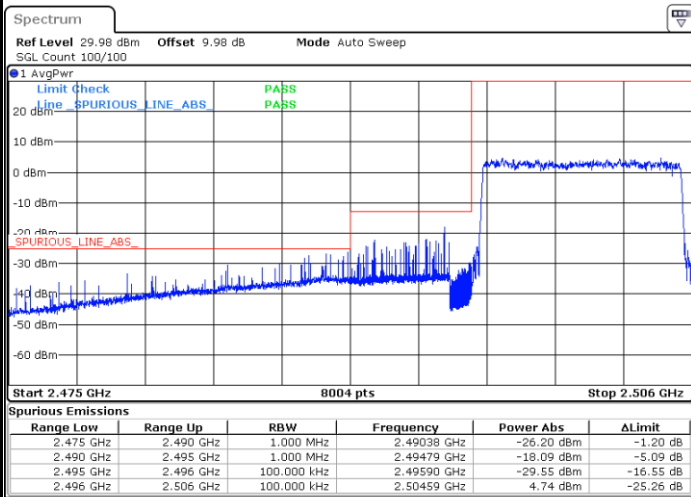
Date: 16.MAY.2022 22:30:54

Highest Band Edge / 1 RB



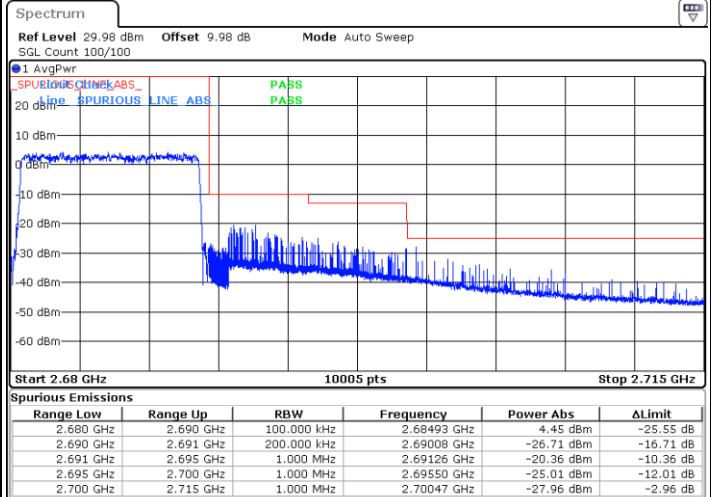
Date: 17.MAY.2022 09:38:01

Lowest Band Edge / Full RB



Date: 17.MAY.2022 09:36:09

Highest Band Edge / Full RB

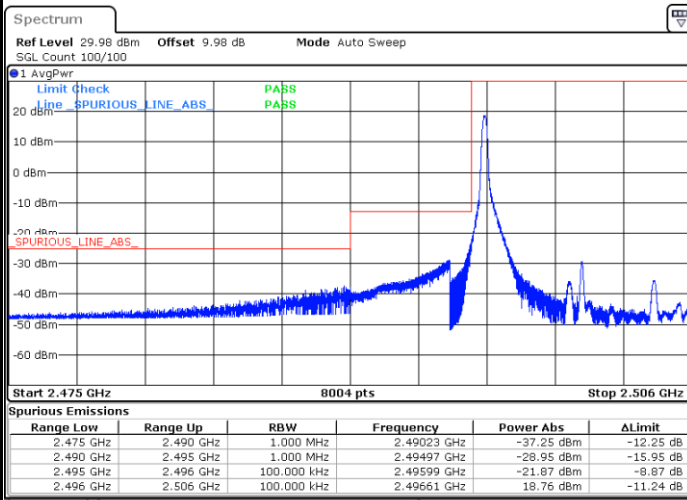


Date: 17.MAY.2022 09:37:29



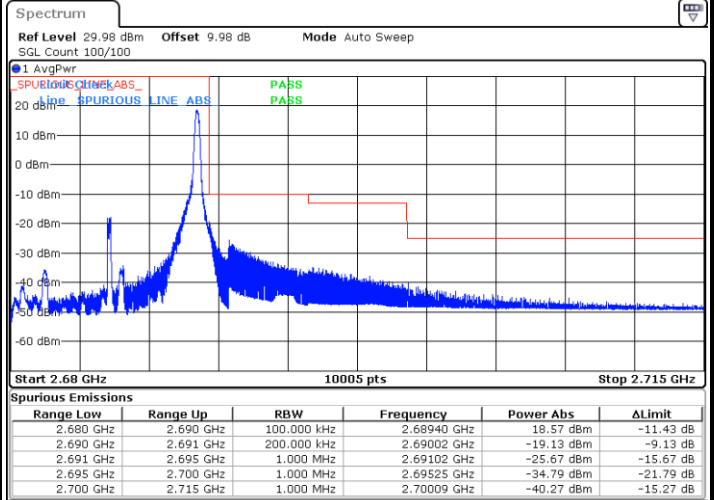
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



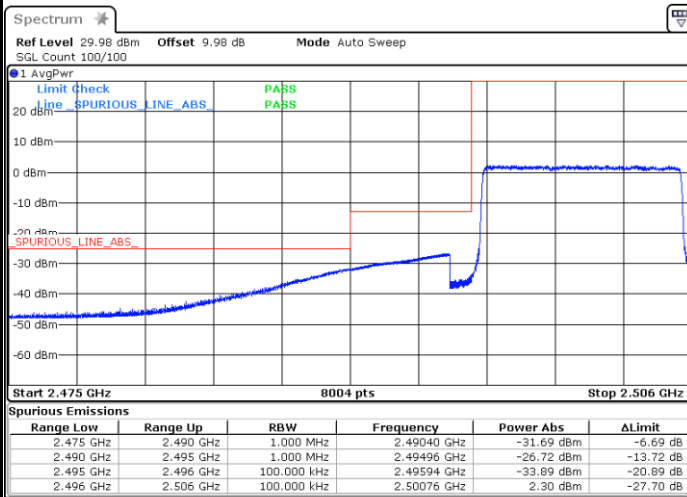
Date: 18.MAY.2022 23:01:13

Highest Band Edge / 1 RB



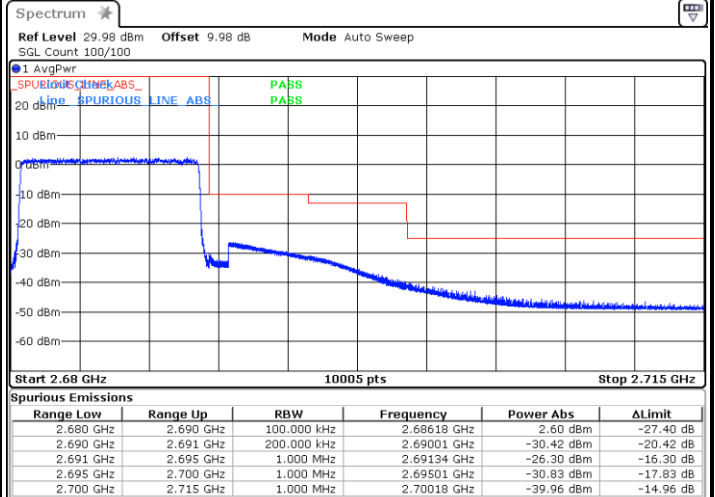
Date: 18.MAY.2022 23:06:11

Lowest Band Edge / Full RB



Date: 18.MAY.2022 23:03:51

Highest Band Edge / Full RB

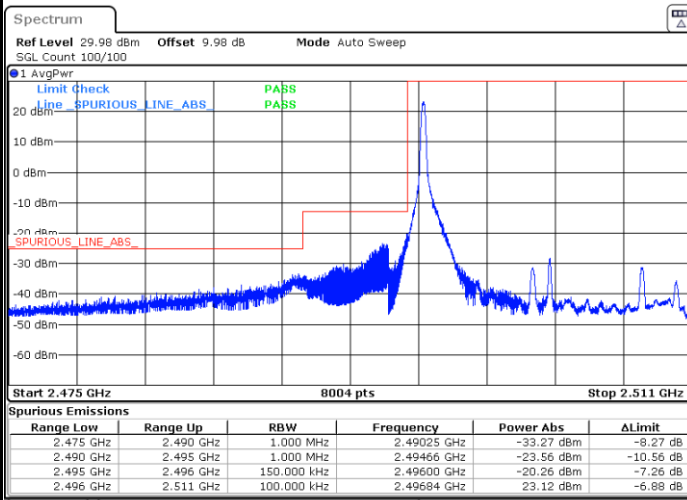


Date: 18.MAY.2022 23:05:07



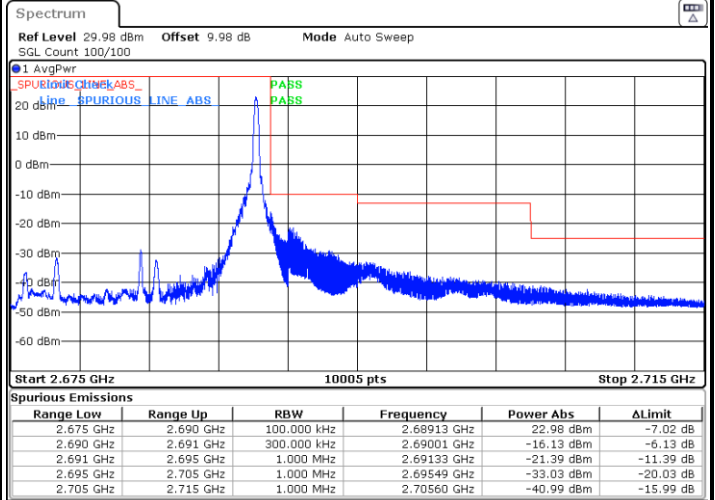
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



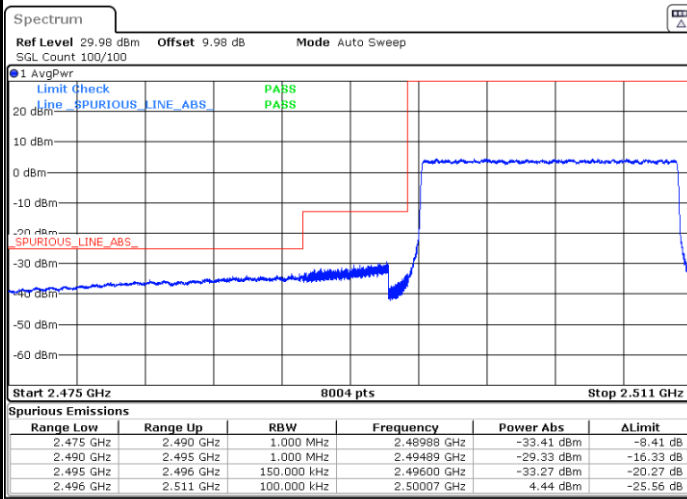
Date: 16.MAY.2022 22:39:31

Highest Band Edge / 1 RB



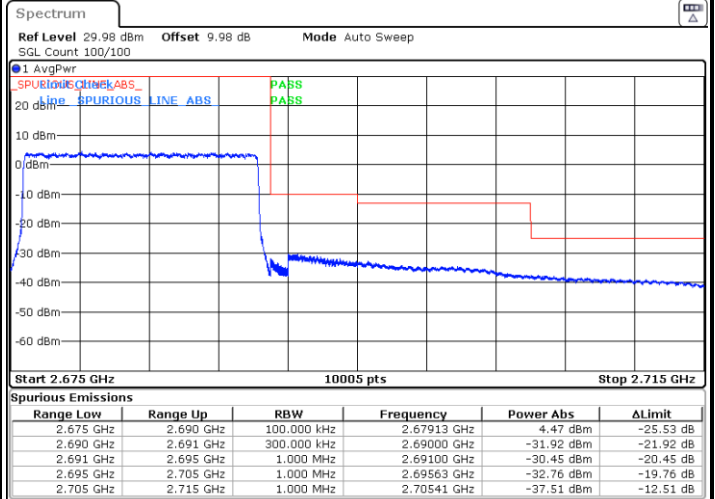
Date: 16.MAY.2022 22:44:58

Lowest Band Edge / Full RB



Date: 16.MAY.2022 22:42:25

Highest Band Edge / Full RB

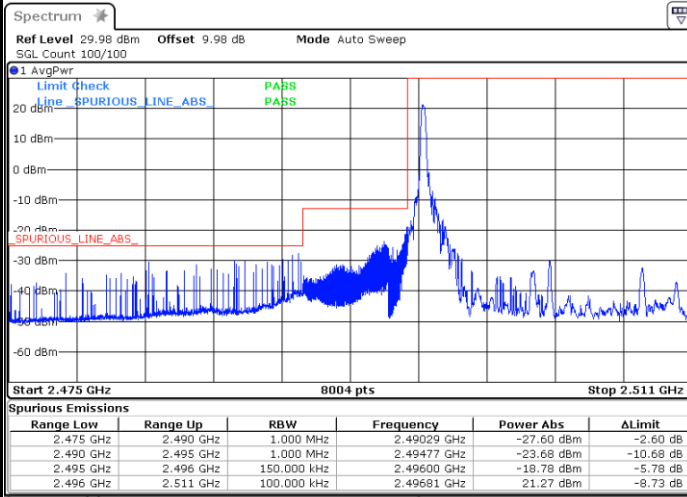


Date: 16.MAY.2022 22:47:58



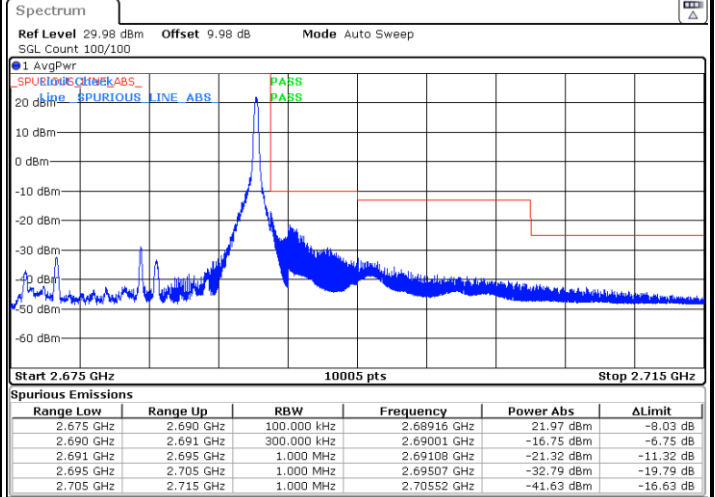
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



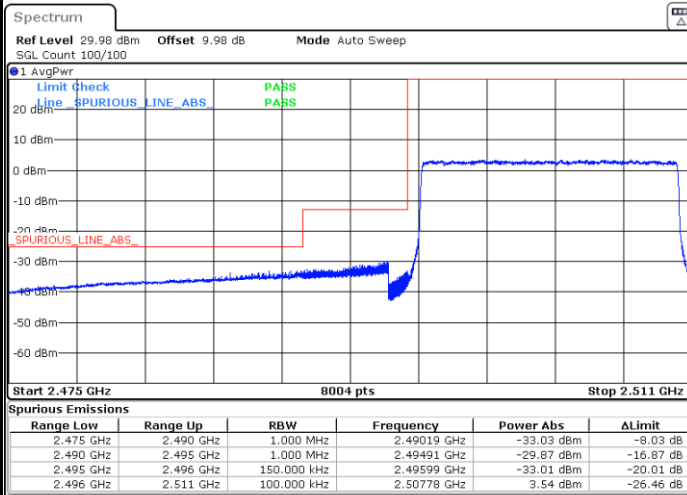
Date: 17.MAY.2022 09:40:54

Highest Band Edge / 1 RB



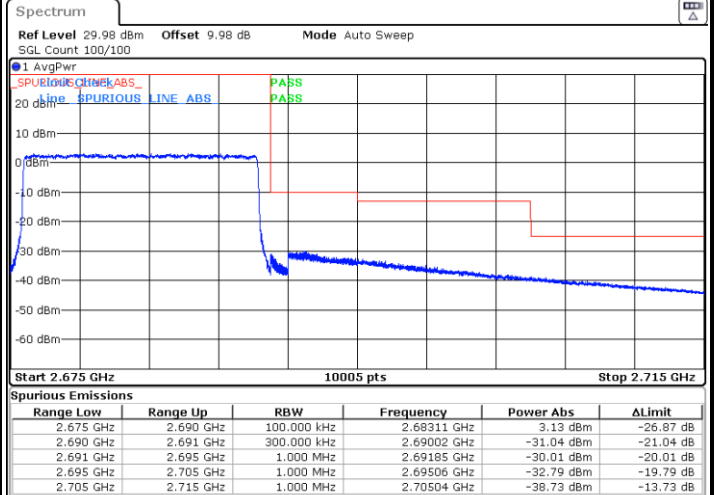
Date: 16.MAY.2022 22:46:17

Lowest Band Edge / Full RB



Date: 16.MAY.2022 22:43:35

Highest Band Edge / Full RB

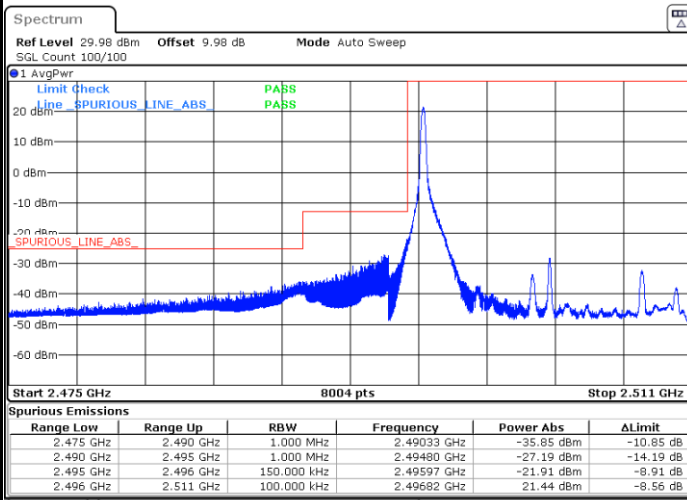


Date: 16.MAY.2022 22:49:30



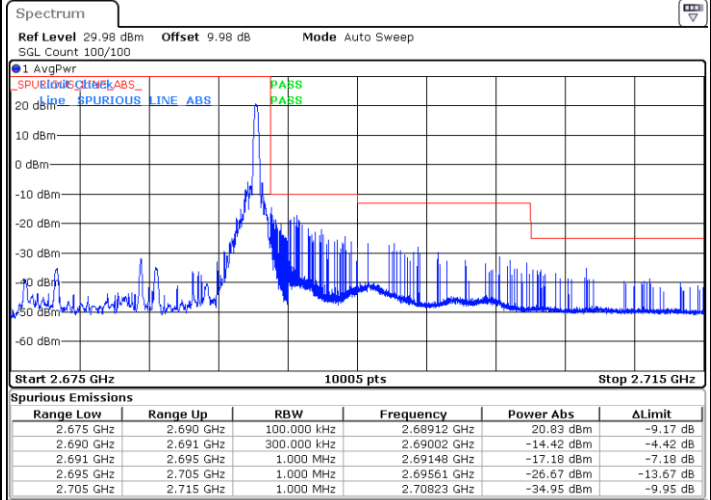
LTE Band 41/ 15MHz / 64QAM

Lowest Band Edge / 1 RB



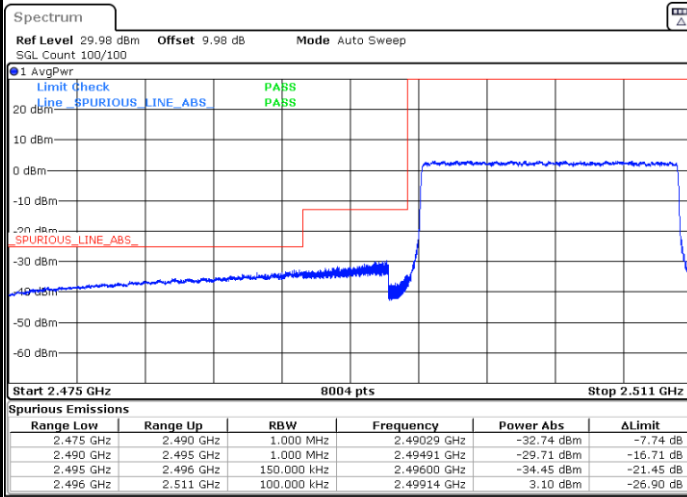
Date: 16.MAY.2022 22:40:44

Highest Band Edge / 1 RB



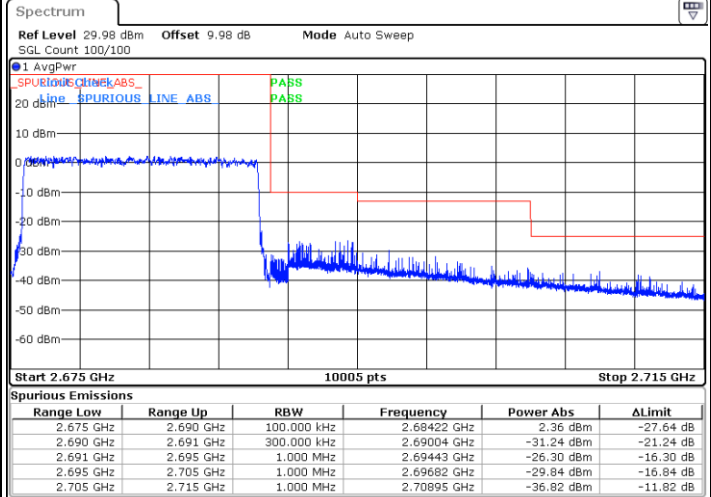
Date: 17.MAY.2022 09:42:32

Lowest Band Edge / Full RB



Date: 16.MAY.2022 22:10:14

Highest Band Edge / Full RB

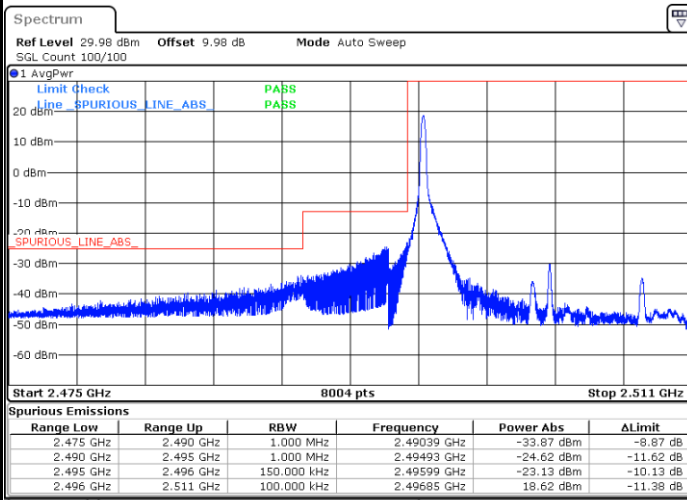


Date: 17.MAY.2022 09:41:39



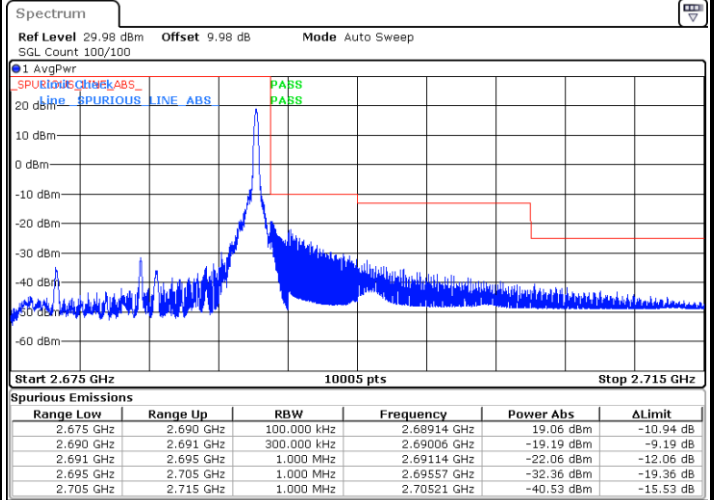
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



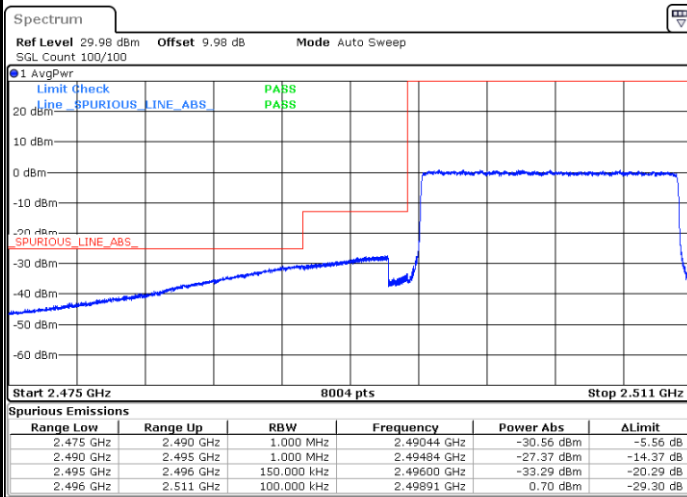
Date: 18.MAY.2022 23:07:38

Highest Band Edge / 1 RB



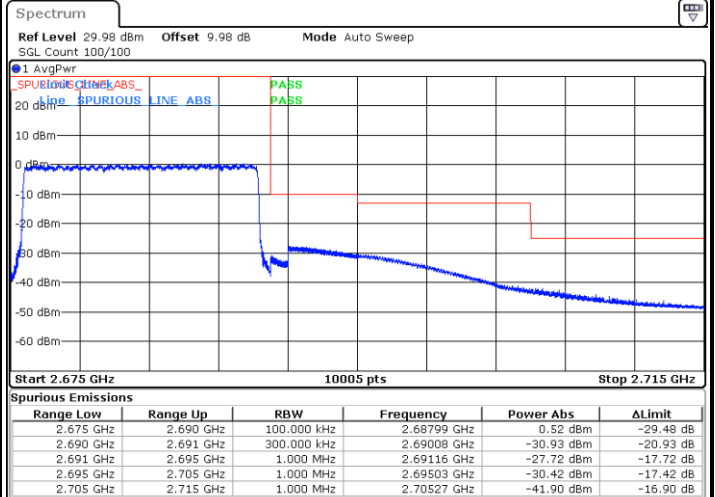
Date: 18.MAY.2022 23:13:55

Lowest Band Edge / Full RB



Date: 18.MAY.2022 23:10:33

Highest Band Edge / Full RB

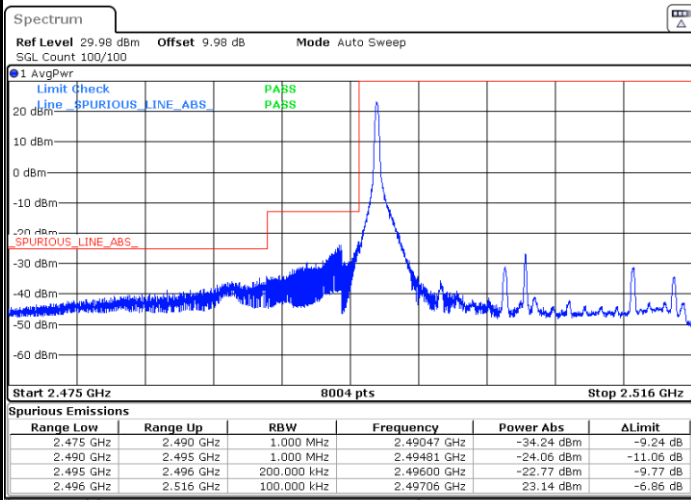


Date: 18.MAY.2022 23:12:44



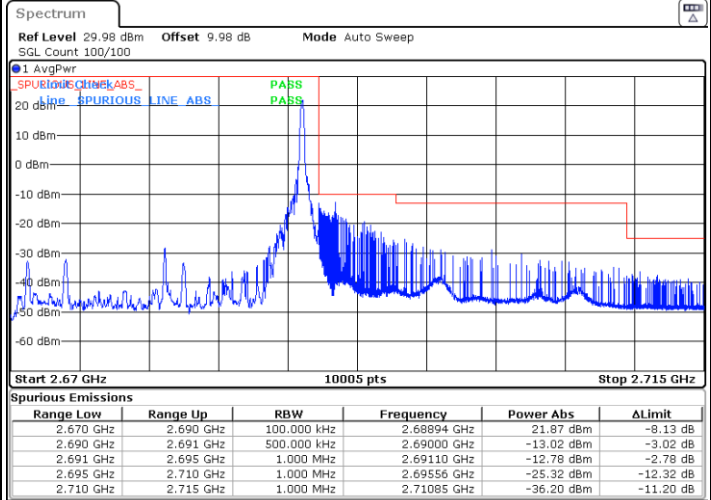
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



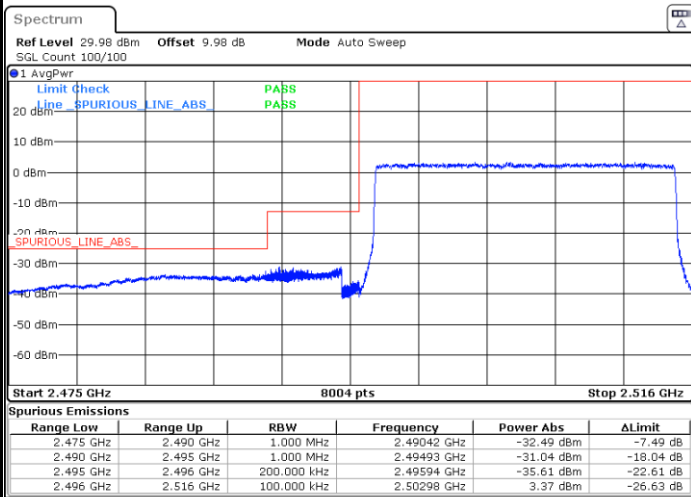
Date: 16.MAY.2022 22:50:44

Highest Band Edge / 1 RB



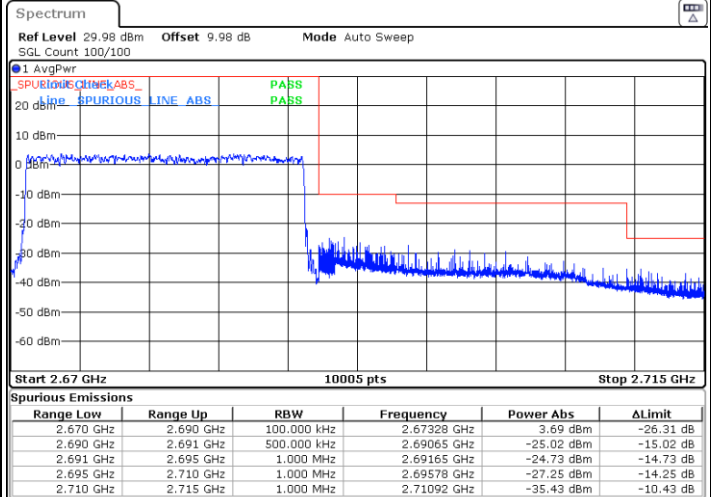
Date: 16.MAY.2022 22:53:11

Lowest Band Edge / Full RB



Date: 16.MAY.2022 22:51:56

Highest Band Edge / Full RB

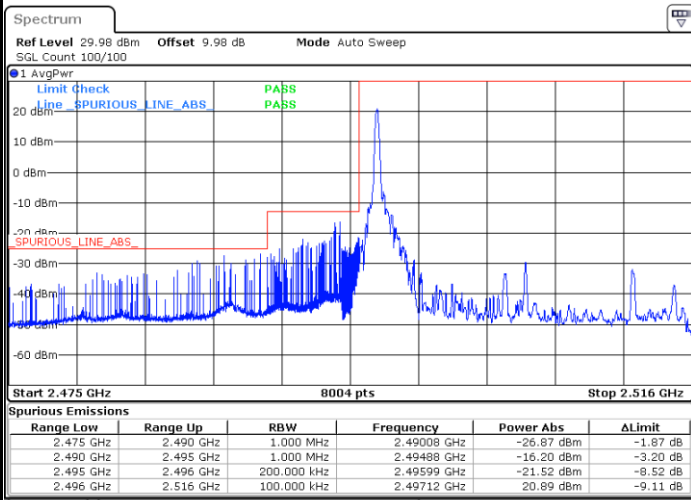


Date: 16.MAY.2022 22:53:44



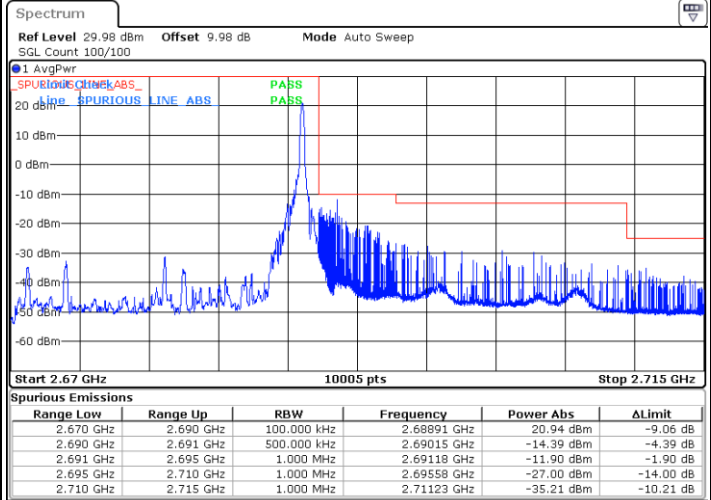
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



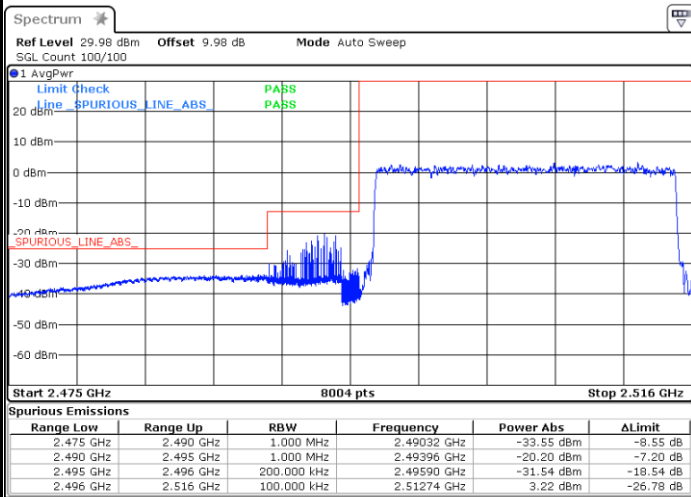
Date: 17.MAY.2022 09:43:18

Highest Band Edge / 1 RB



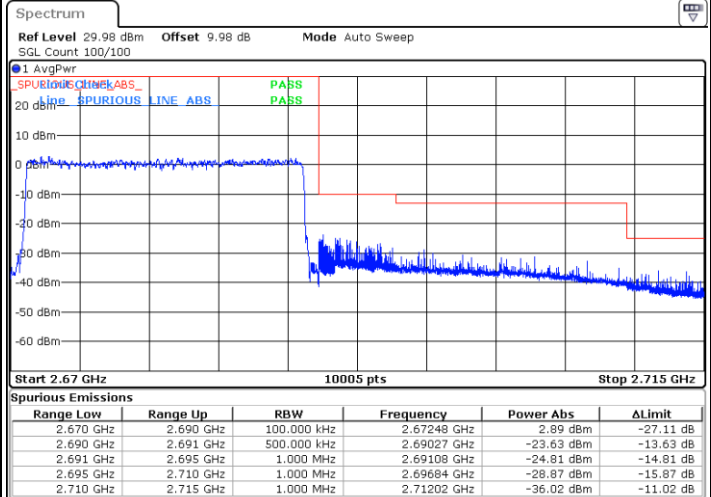
Date: 17.MAY.2022 09:49:01

Lowest Band Edge / Full RB



Date: 17.MAY.2022 09:47:01

Highest Band Edge / Full RB



Date: 17.MAY.2022 09:47:32