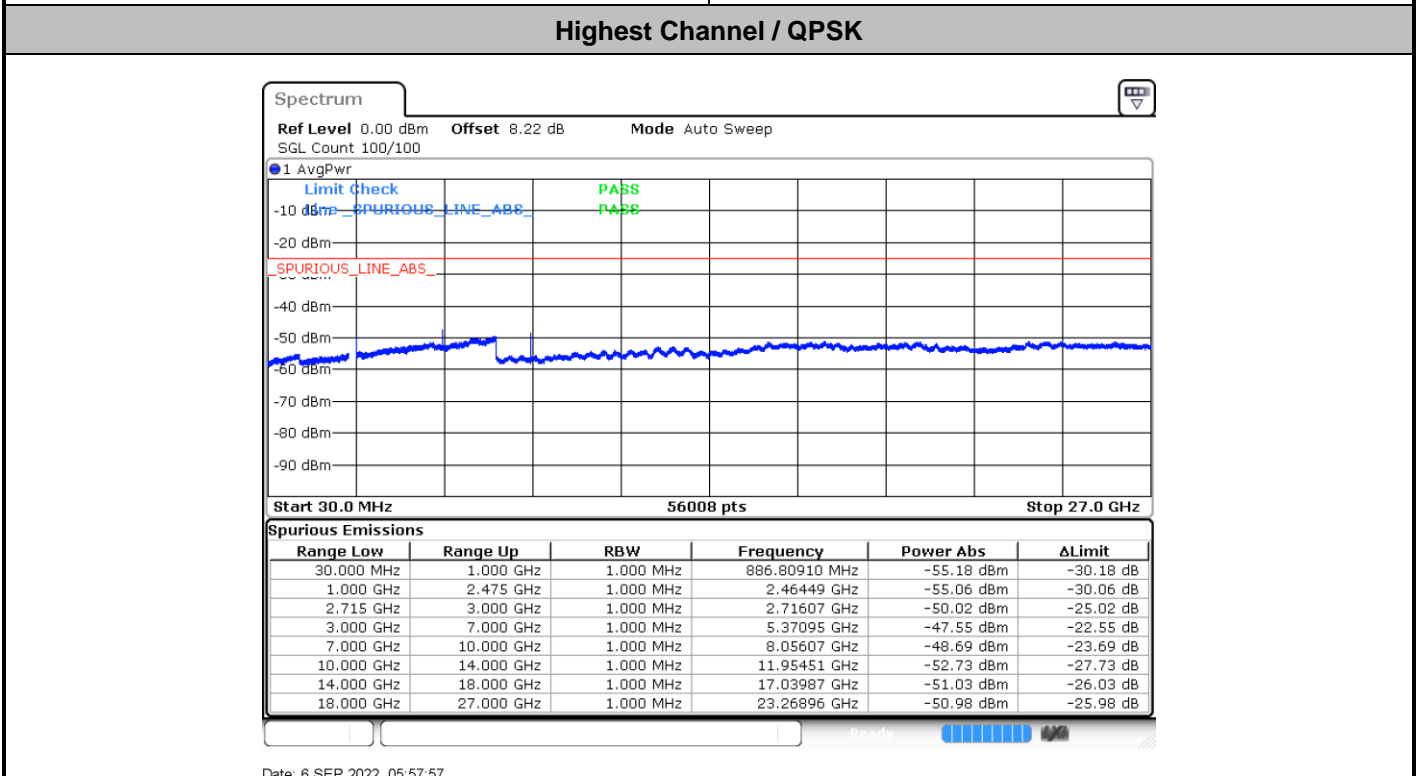
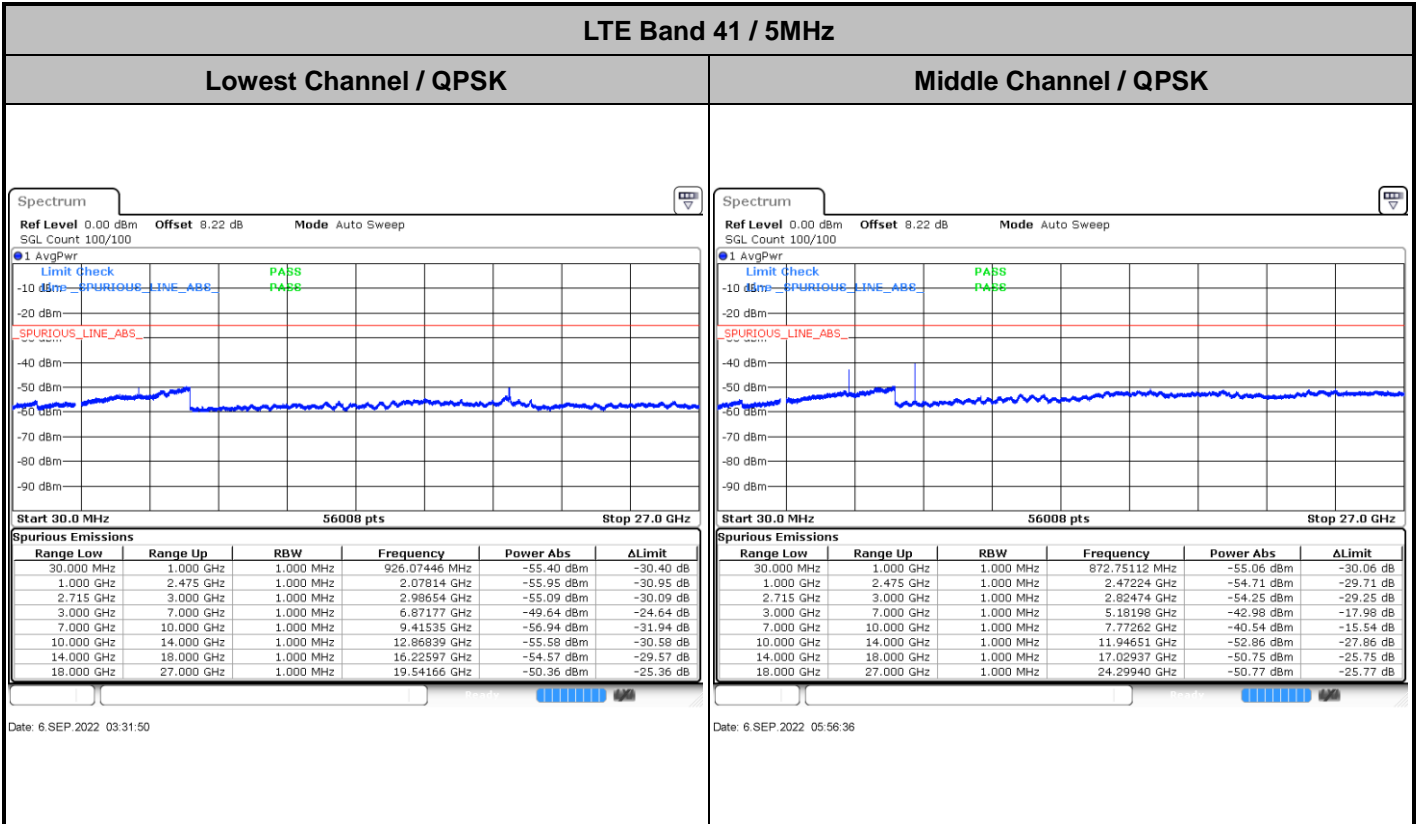




# Conducted Spurious Emission

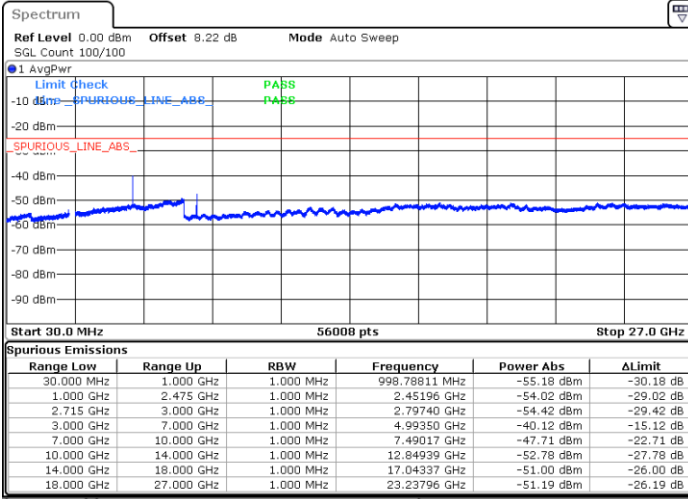




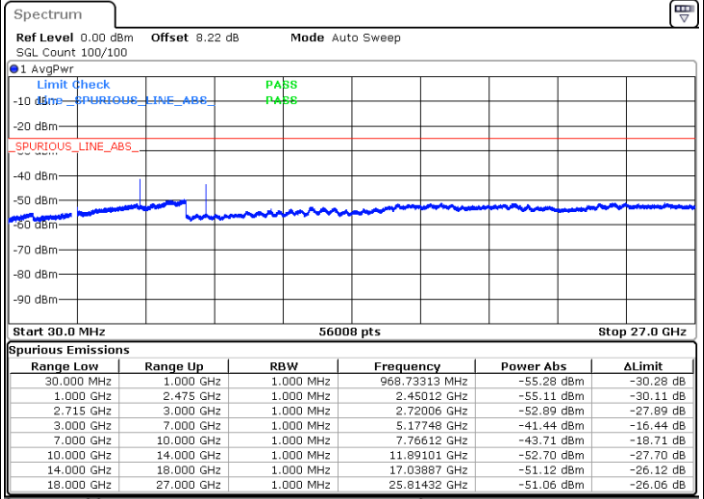
LTE Band 41 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

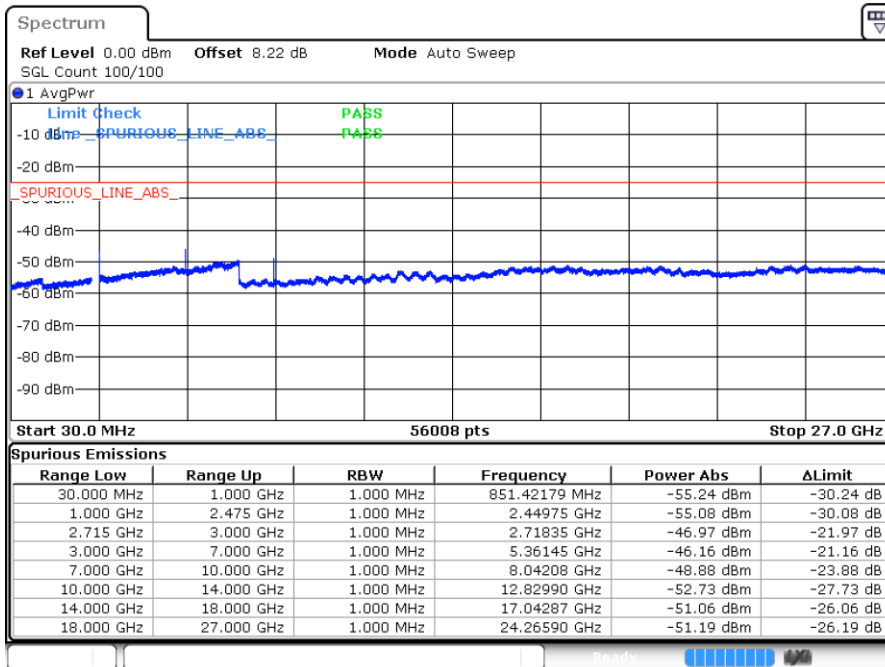


Date: 6 SEP 2022 06:09:57



Date: 6 SEP 2022 06:21:54

Highest Channel / QPSK



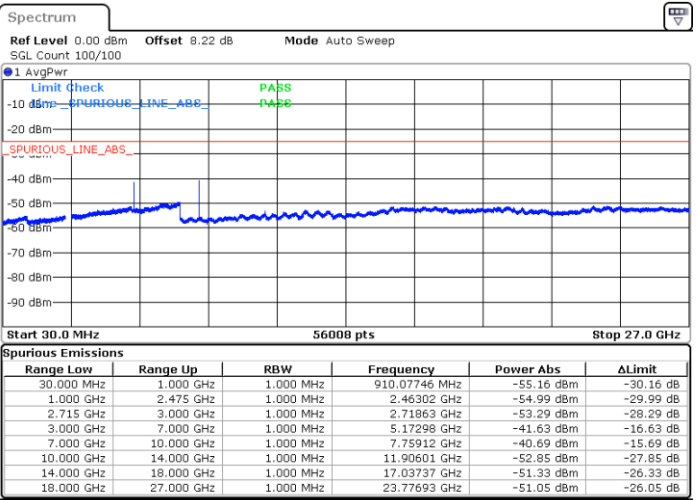
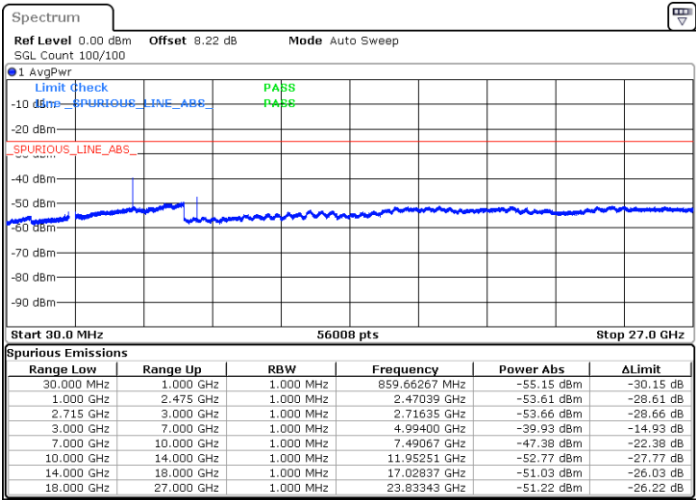
Date: 6 SEP 2022 06:30:28



LTE Band 41 / 15MHz

Lowest Channel / QPSK

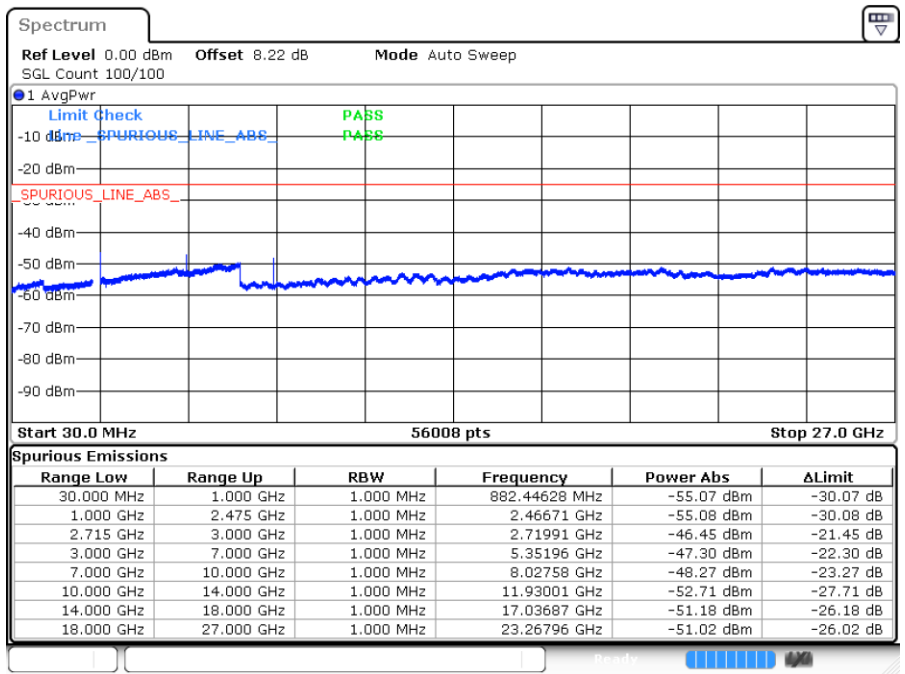
Middle Channel / QPSK



Date: 6 SEP 2022 06:36:25

Date: 6 SEP 2022 06:42:23

Highest Channel / QPSK



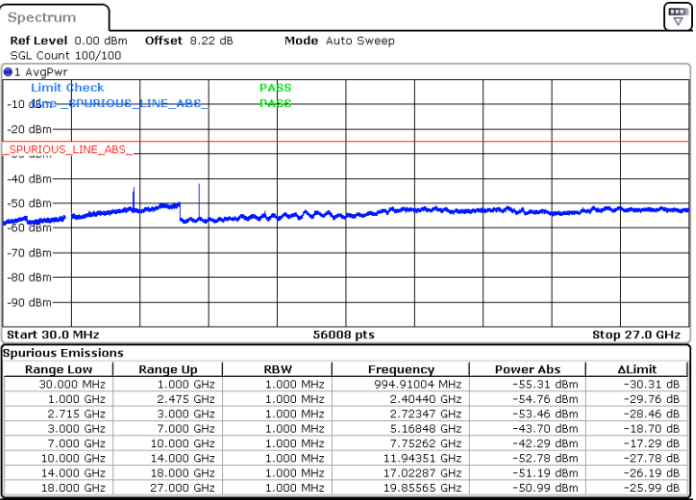
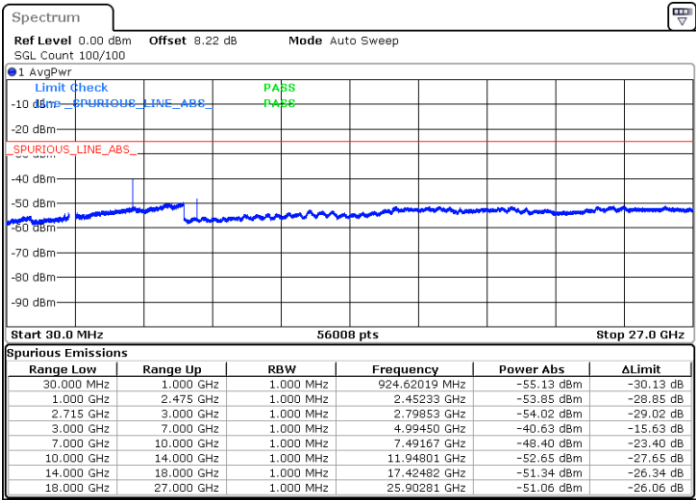
Date: 6 SEP 2022 06:43:44



LTE Band 41 / 20MHz

Lowest Channel / QPSK

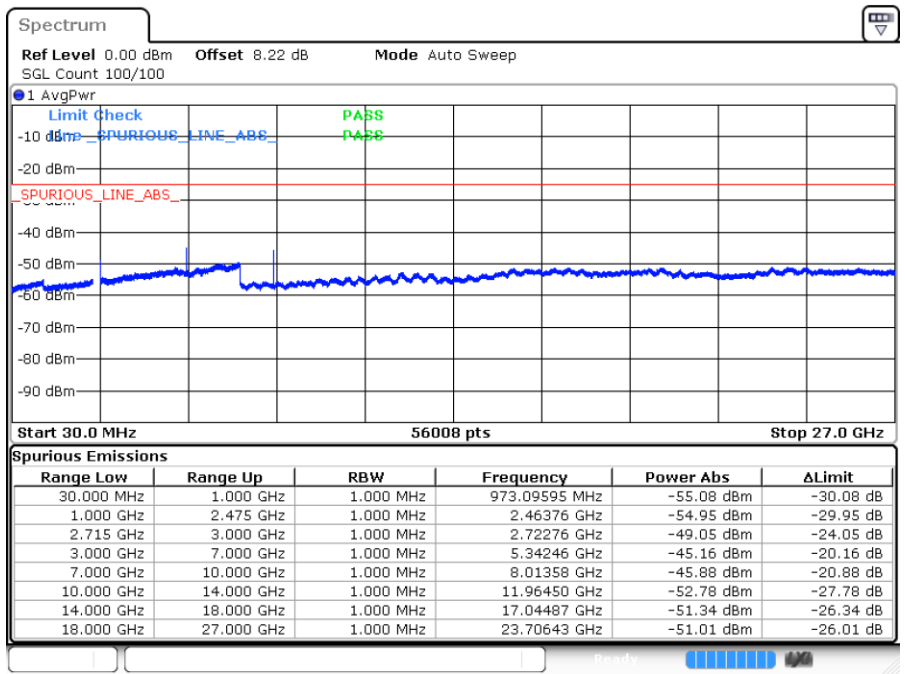
Middle Channel / QPSK



Date: 6 SEP 2022 06:49:41

Date: 6 SEP 2022 08:06:35

Highest Channel / QPSK



Date: 6 SEP 2022 08:07:55



### Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0028	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0012	

**Note:**

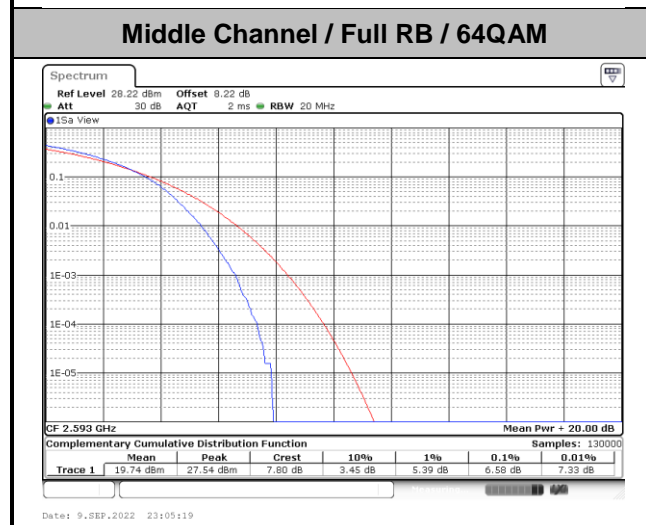
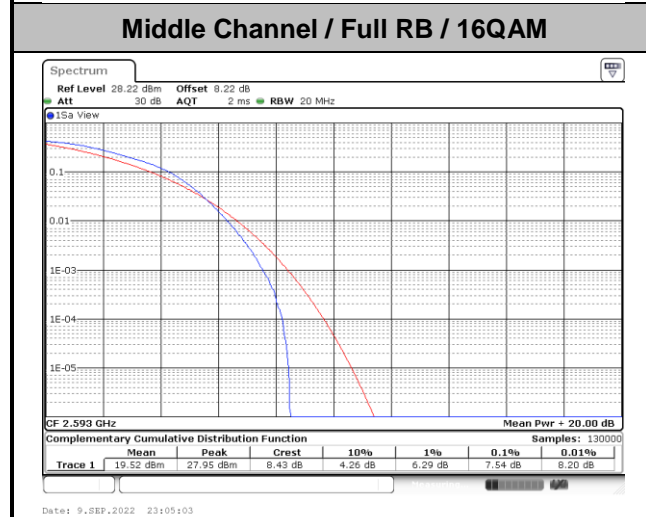
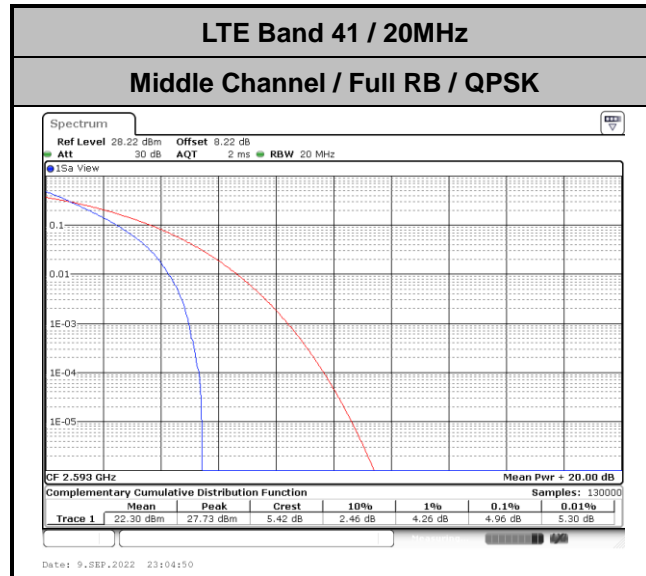
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 41(PA2)

### Peak-to-Average Ratio

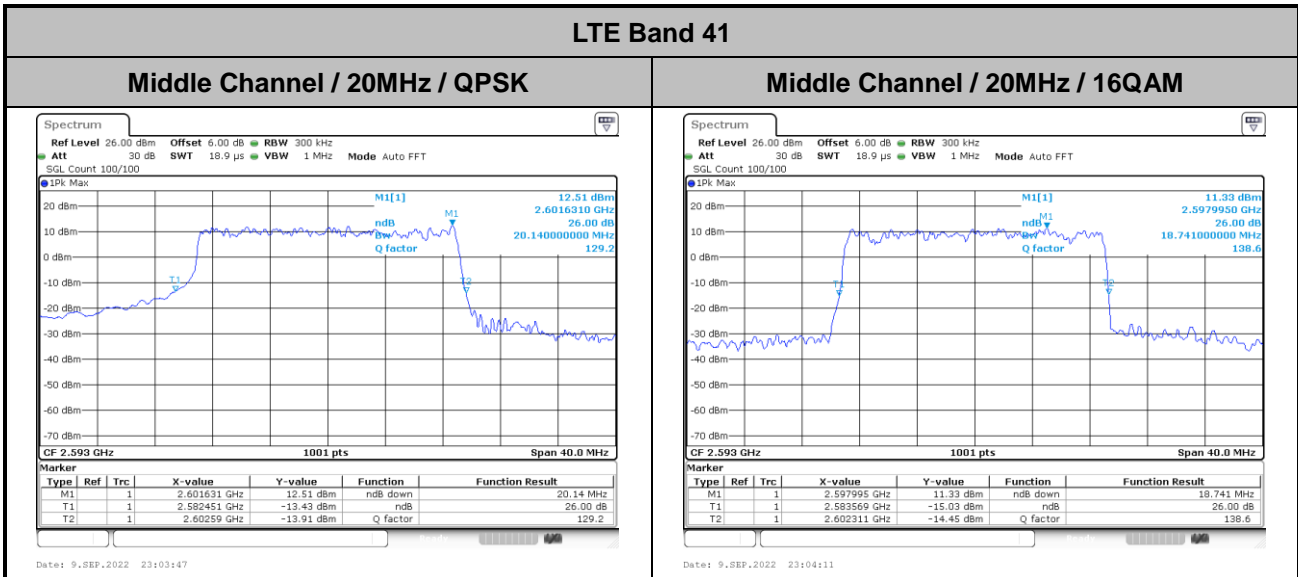
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.96	7.54	6.58	<b>PASS</b>





## 26dB Bandwidth

<b>Mode</b>	<b>LTE Band 41 : 26dB BW(MHz)</b>	
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	20.14	18.74

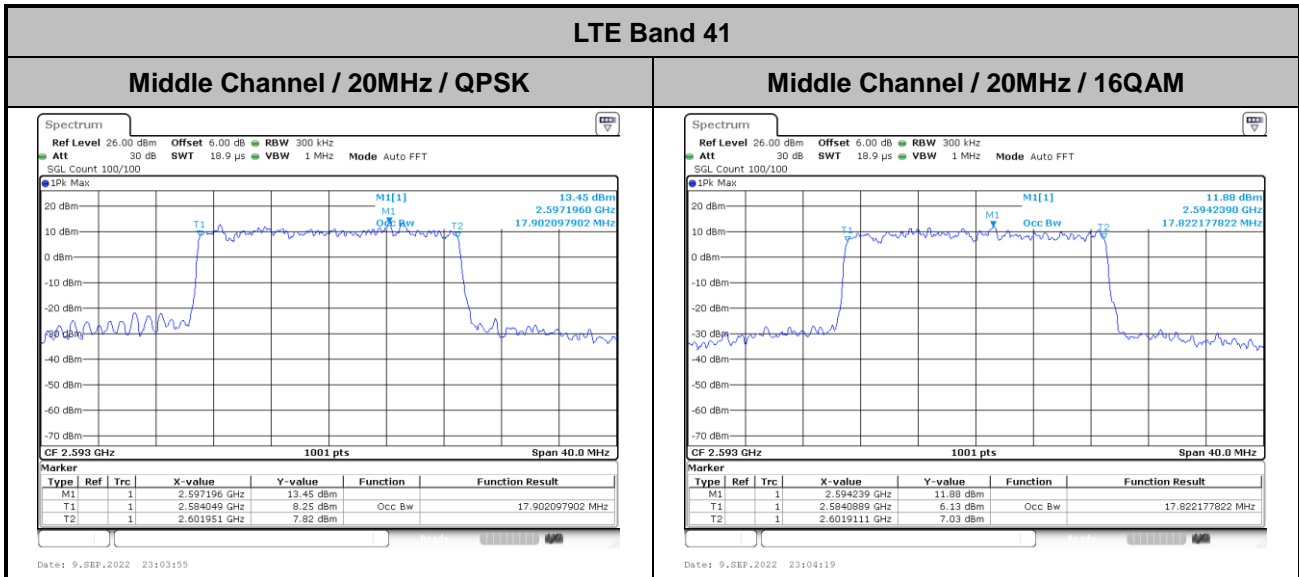






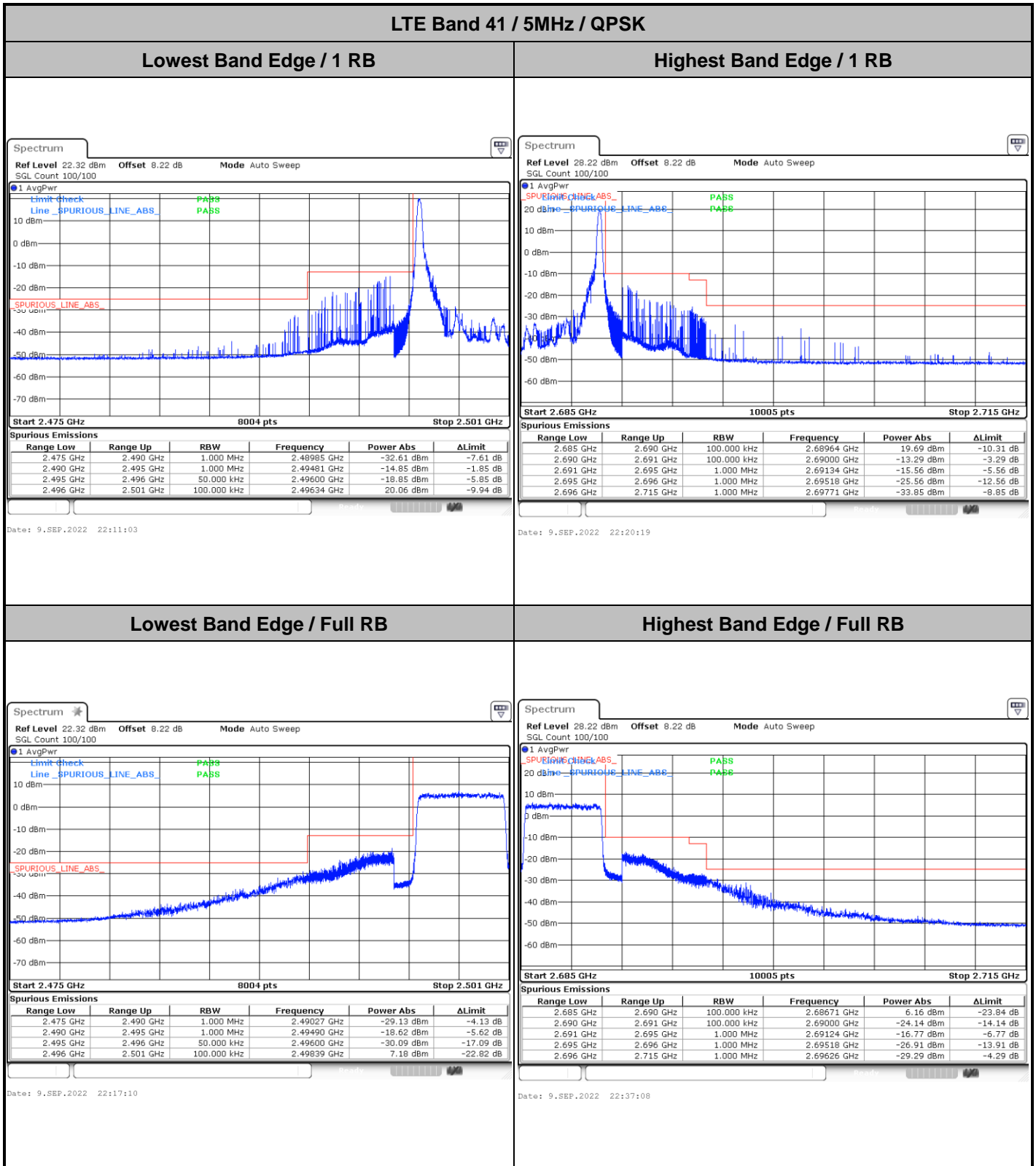
# Occupied Bandwidth

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





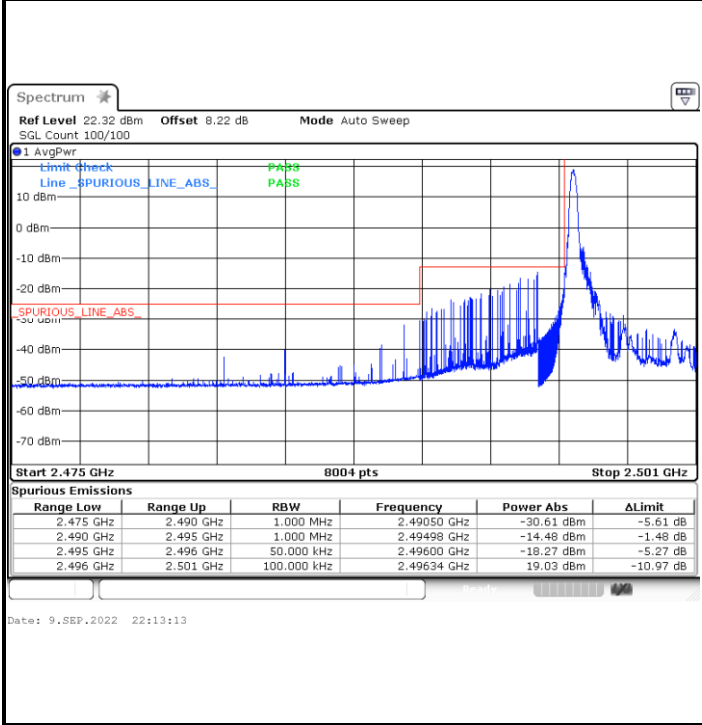
# Conducted Band Edge



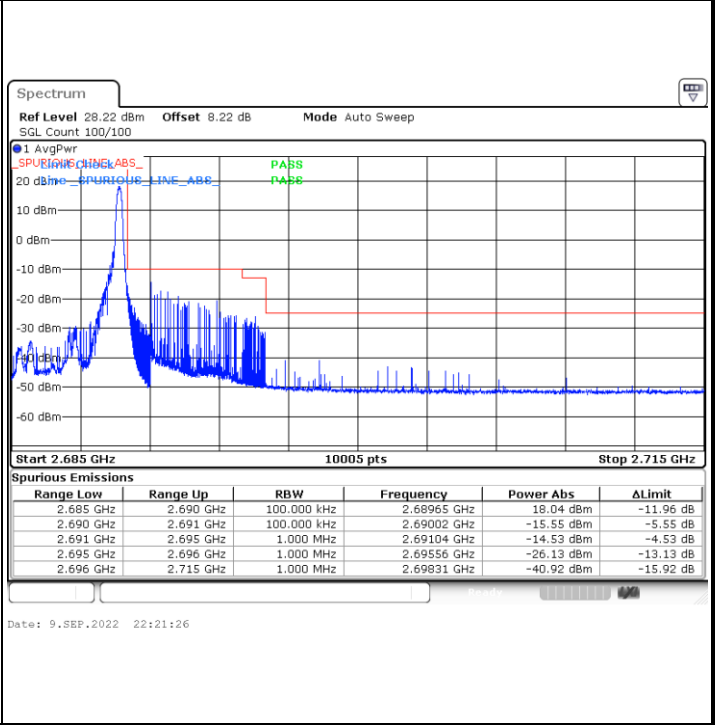


LTE Band 41 / 5MHz / 16QAM

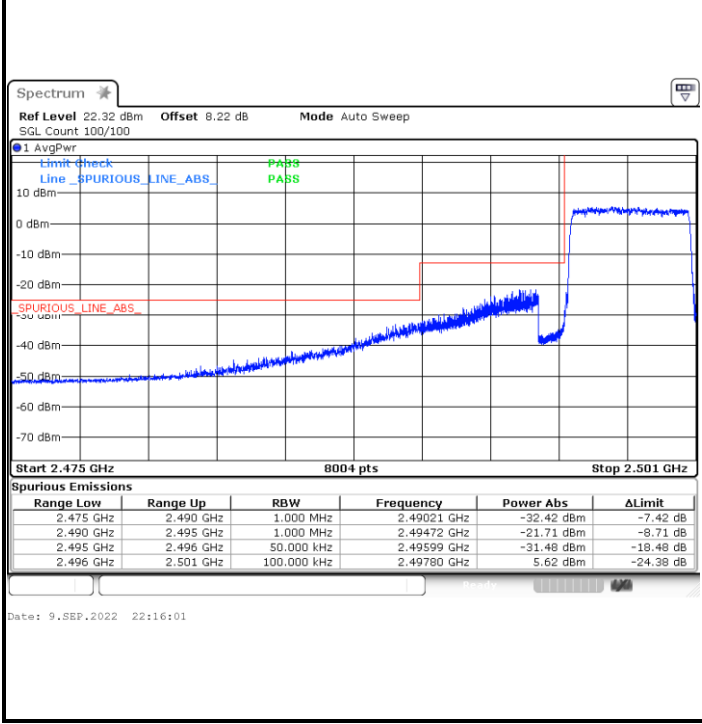
Lowest Band Edge / 1RB



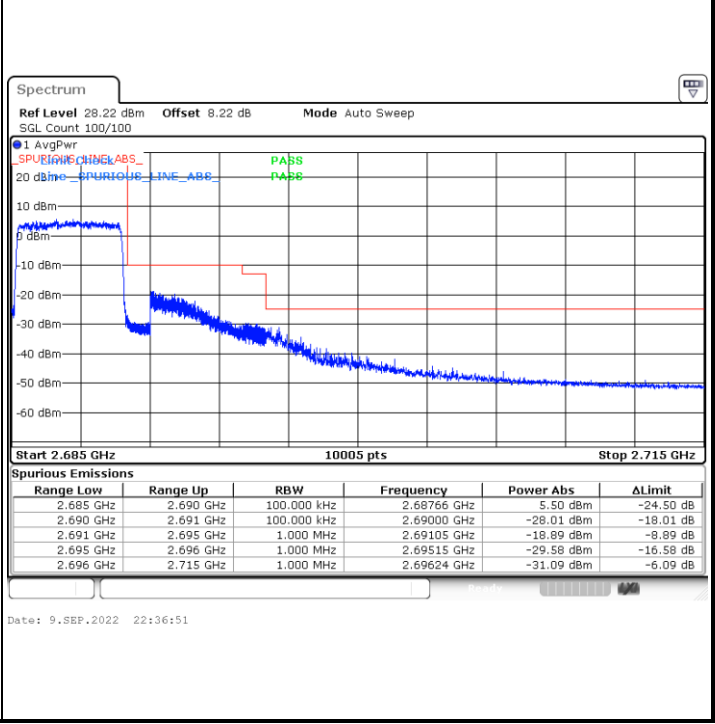
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



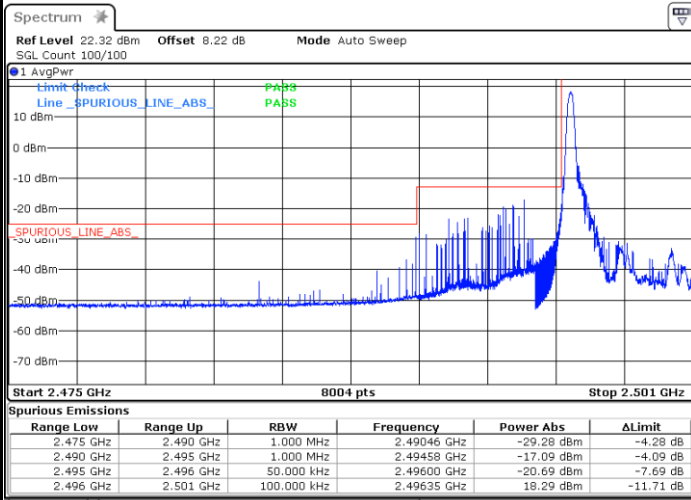
Highest Band Edge / Full RB





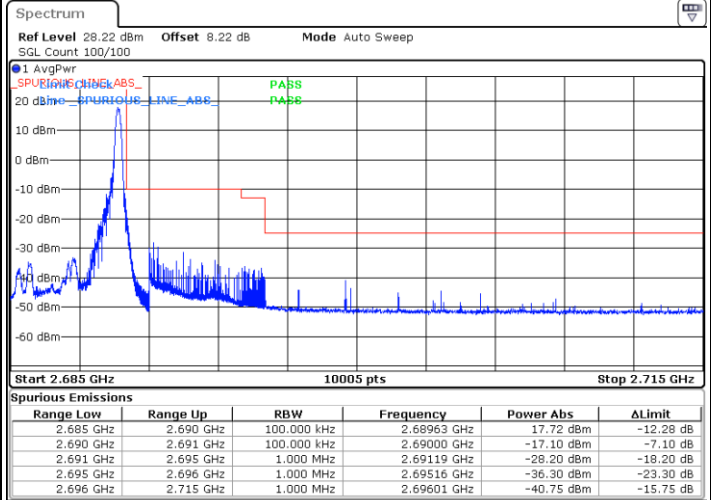
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



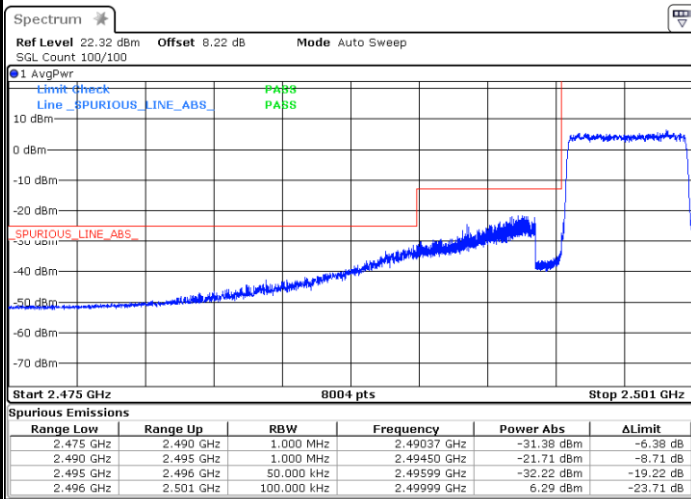
Date: 9.SEP.2022 22:14:26

Highest Band Edge / 1 RB



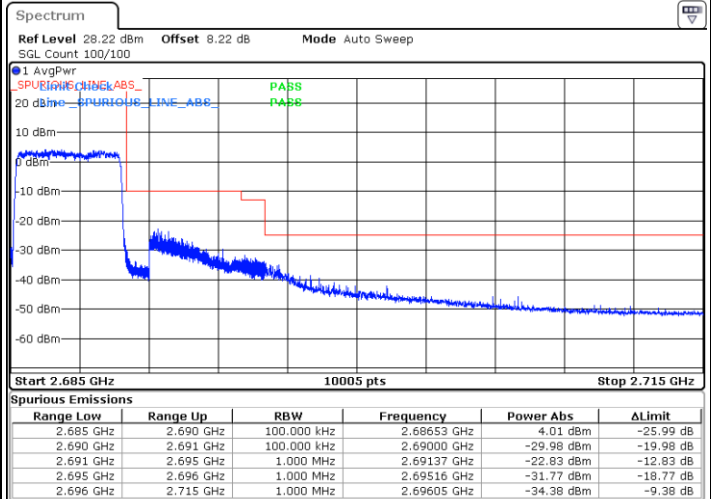
Date: 9.SEP.2022 22:35:43

Lowest Band Edge / Full RB



Date: 9.SEP.2022 22:15:25

Highest Band Edge / Full RB

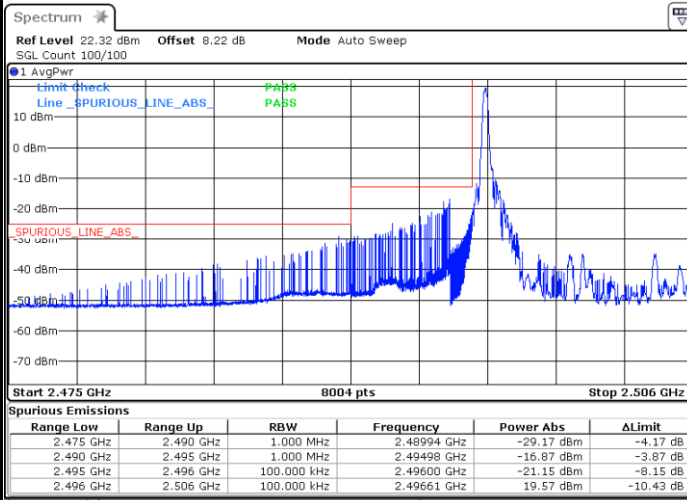


Date: 9.SEP.2022 22:36:28



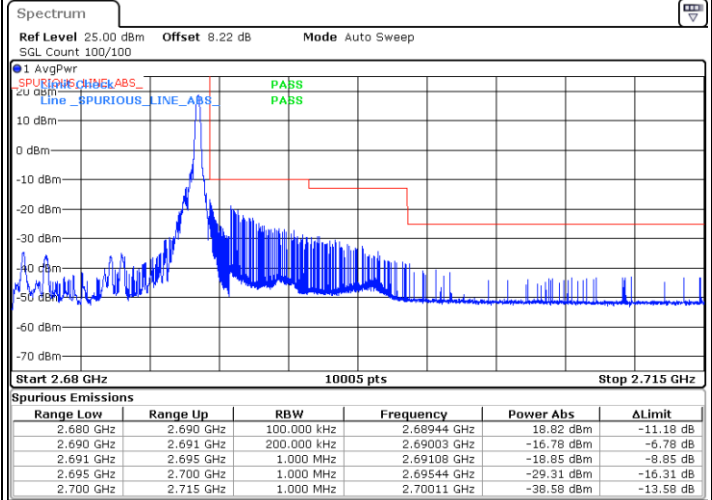
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



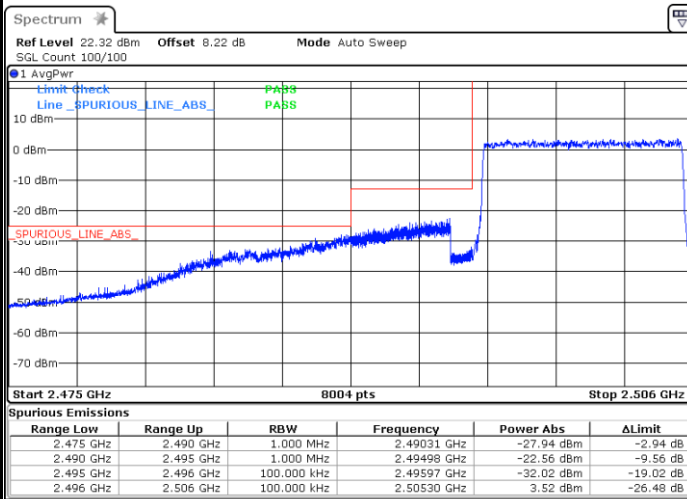
Date: 9.SEP.2022 22:40:46

Highest Band Edge / 1 RB



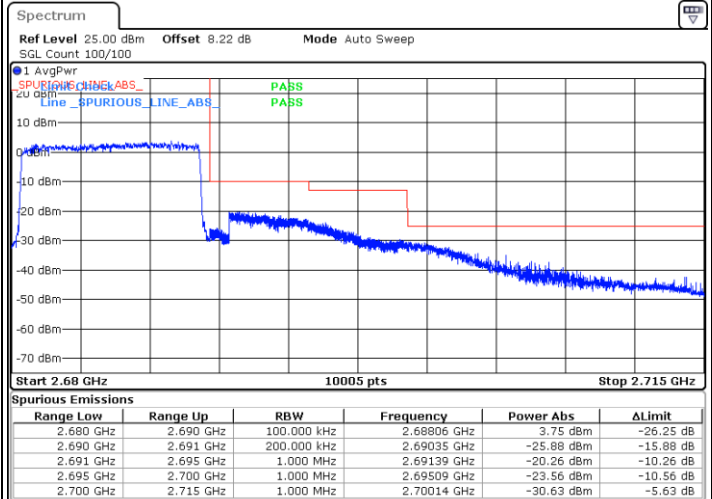
Date: 9.SEP.2022 22:48:40

Lowest Band Edge / Full RB



Date: 9.SEP.2022 22:44:19

Highest Band Edge / Full RB

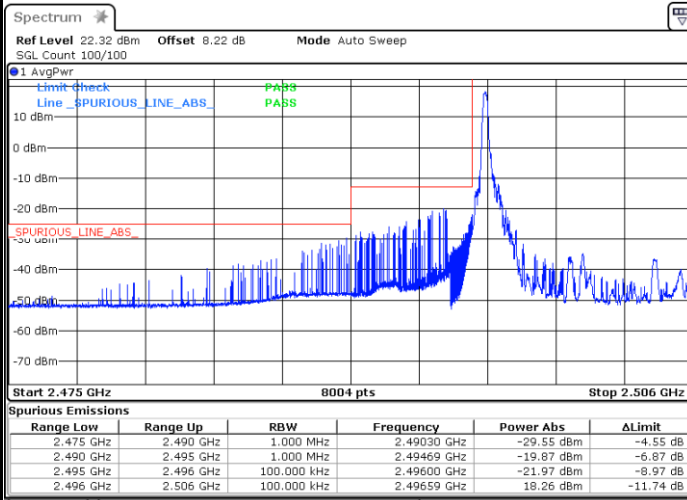


Date: 9.SEP.2022 22:50:03



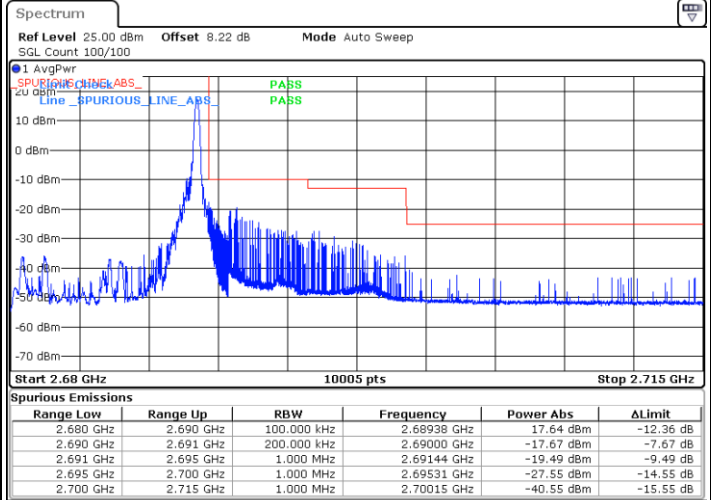
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



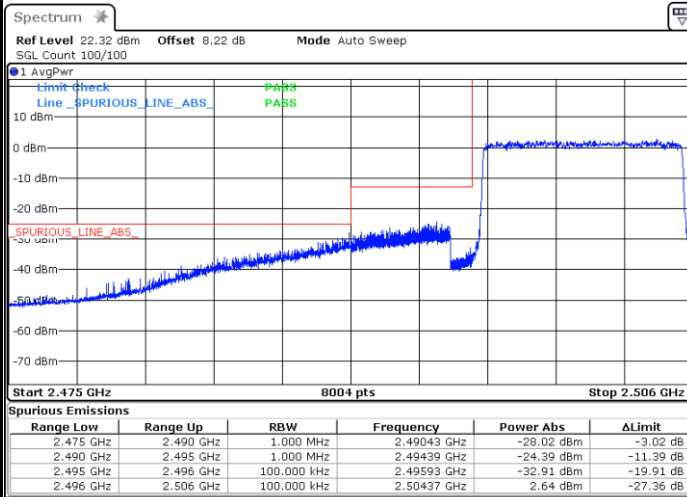
Date: 9.SEP.2022 22:41:27

Highest Band Edge / 1 RB



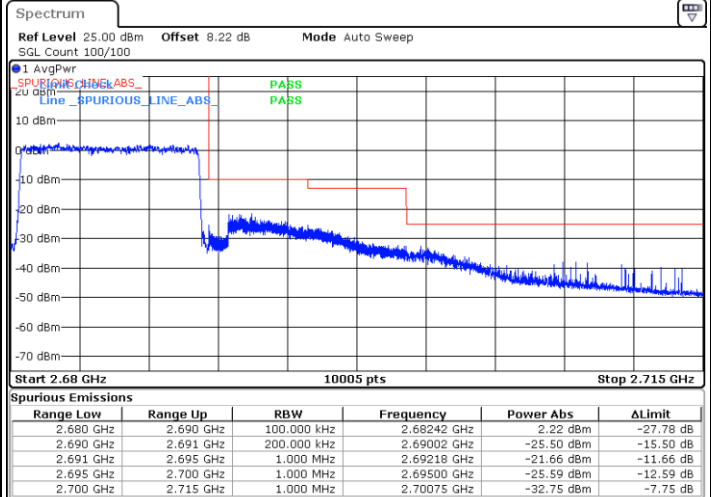
Date: 9.SEP.2022 22:48:58

Lowest Band Edge / Full RB



Date: 9.SEP.2022 22:43:57

Highest Band Edge / Full RB

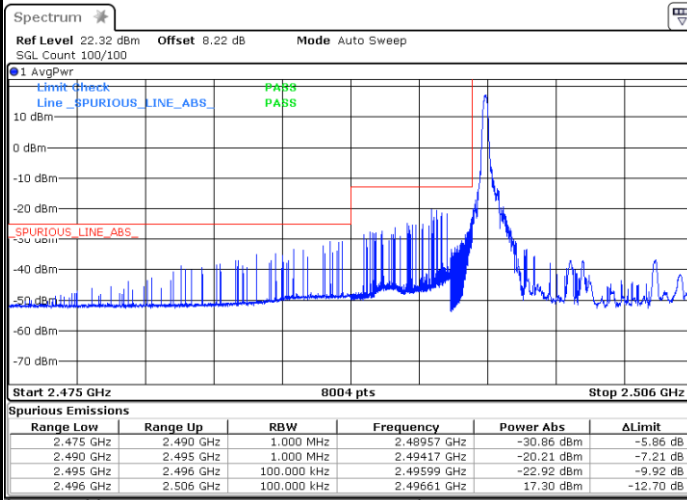


Date: 9.SEP.2022 22:49:47



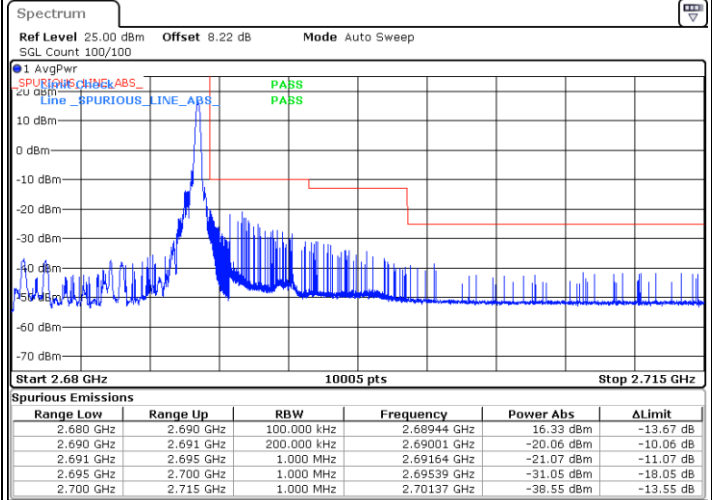
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



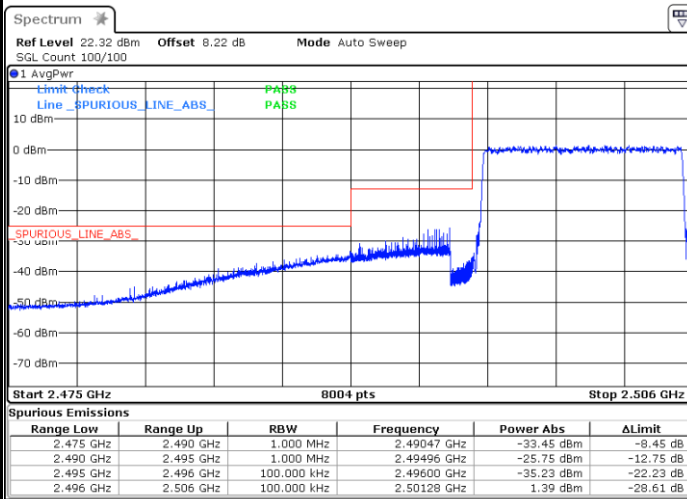
Date: 9.SEP.2022 22:41:59

Highest Band Edge / 1 RB



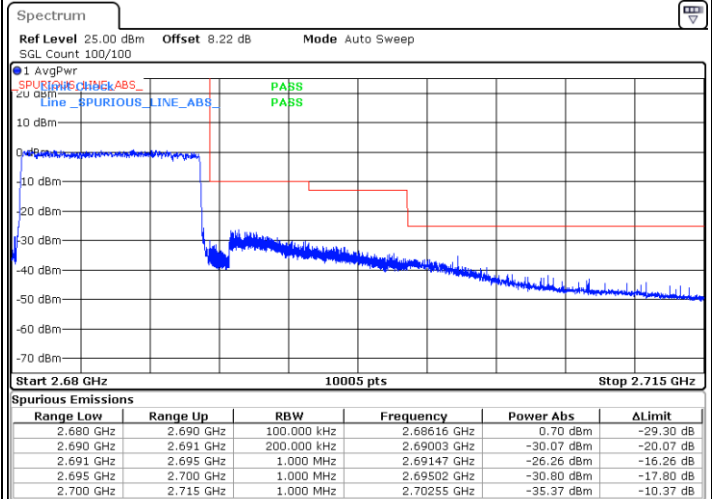
Date: 9.SEP.2022 22:49:13

Lowest Band Edge / Full RB



Date: 9.SEP.2022 22:43:32

Highest Band Edge / Full RB

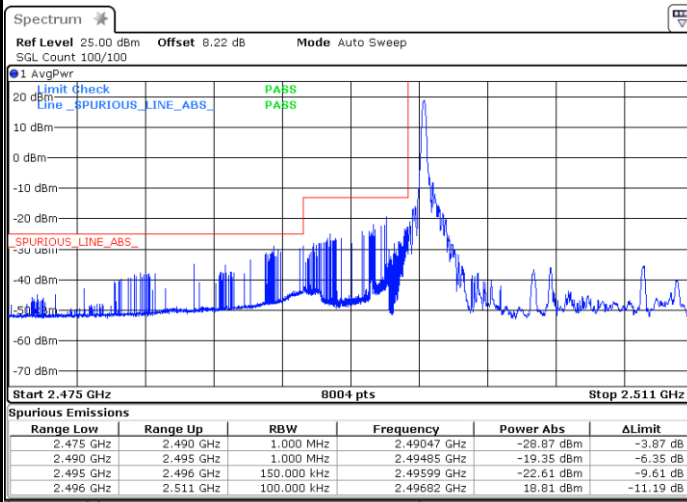


Date: 9.SEP.2022 22:49:29



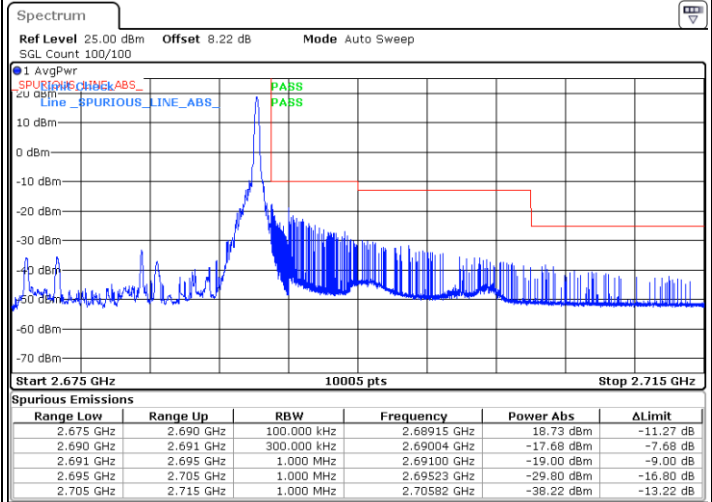
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



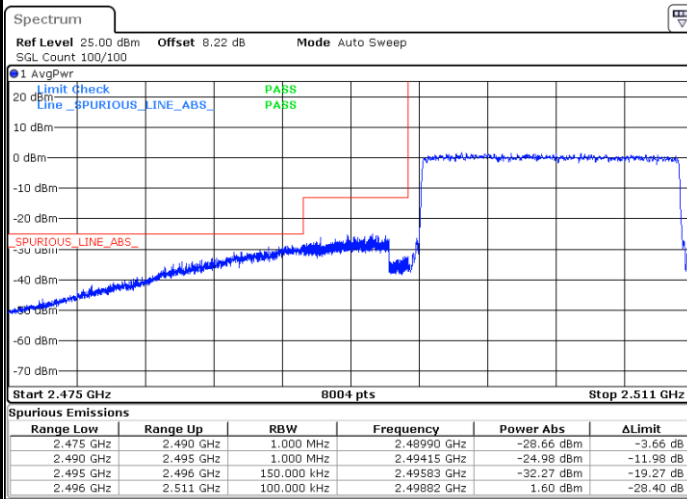
Date: 9.SEP.2022 22:53:28

Highest Band Edge / 1 RB



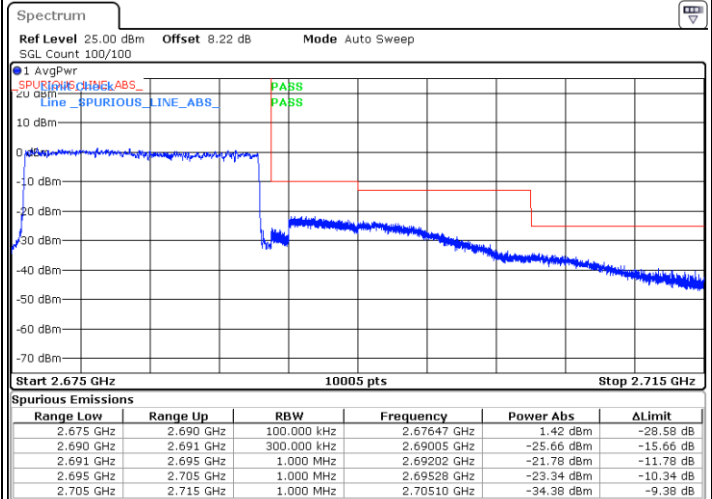
Date: 9.SEP.2022 22:59:35

Lowest Band Edge / Full RB



Date: 9.SEP.2022 22:55:56

Highest Band Edge / Full RB



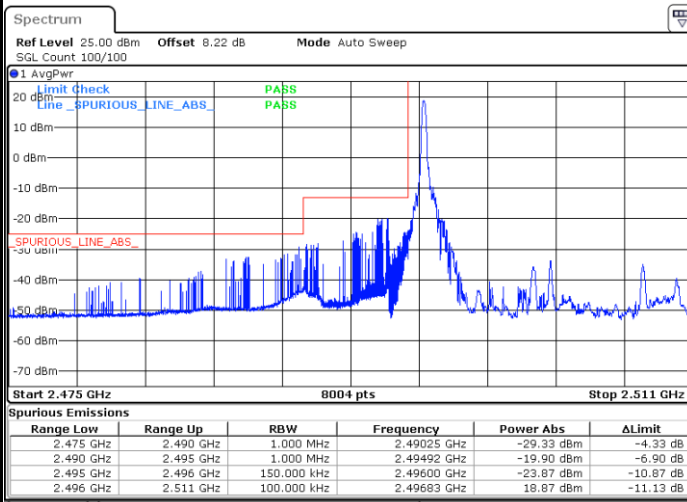
Date: 9.SEP.2022 23:01:26





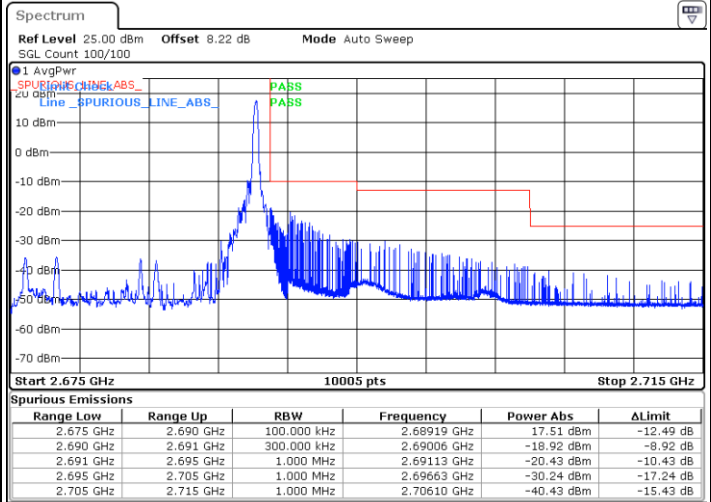
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



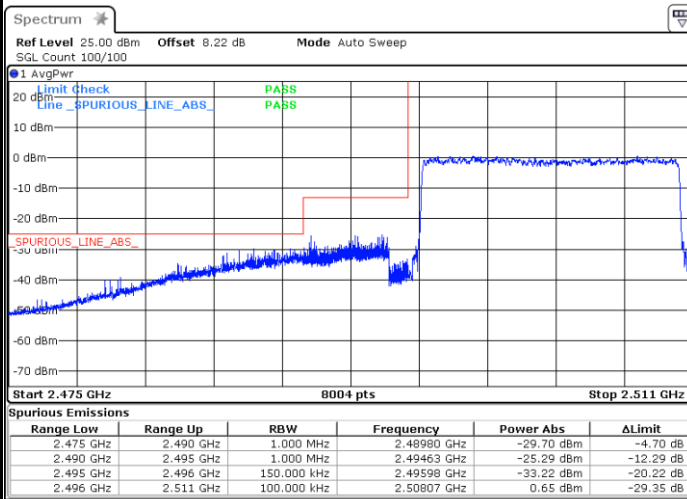
Date: 9.SEP.2022 22:53:58

Highest Band Edge / 1 RB



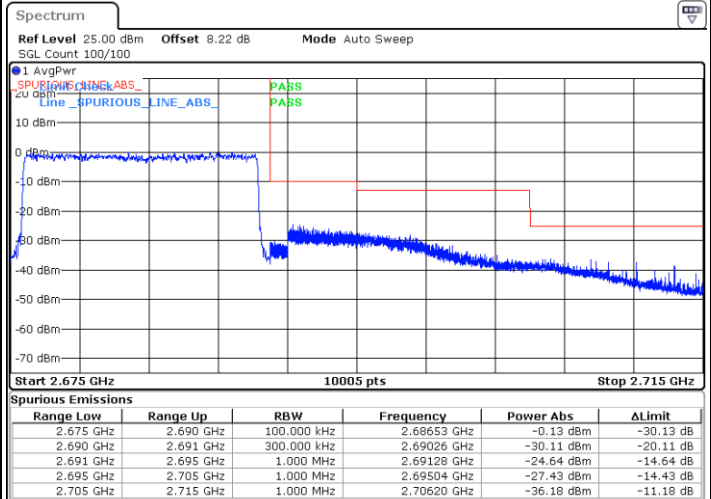
Date: 9.SEP.2022 22:59:54

Lowest Band Edge / Full RB



Date: 9.SEP.2022 22:55:31

Highest Band Edge / Full RB

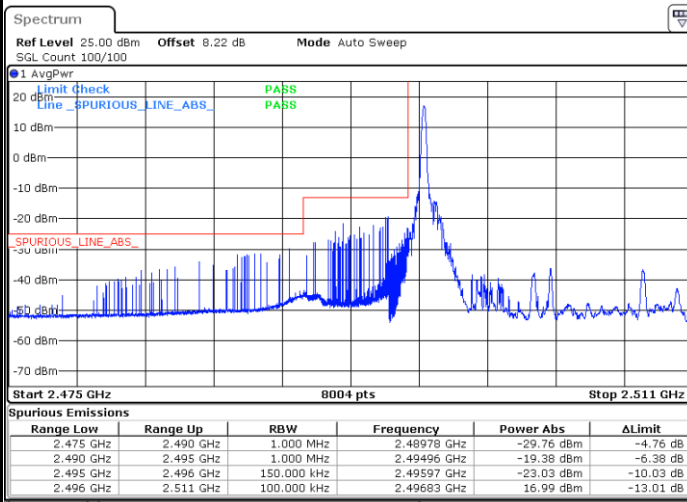


Date: 9.SEP.2022 23:01:01



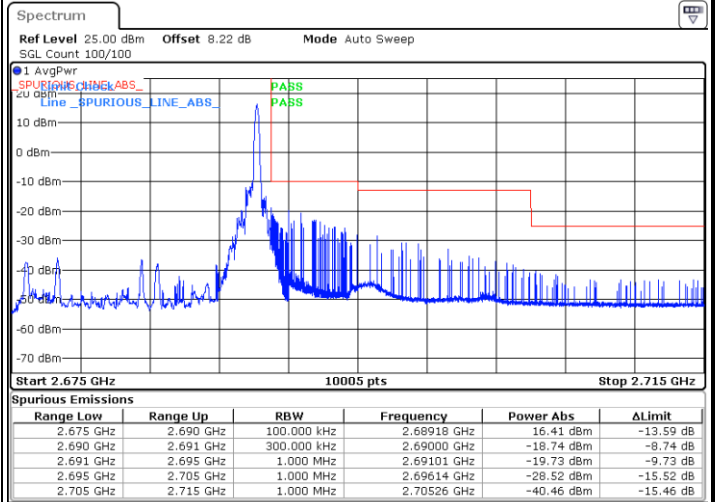
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



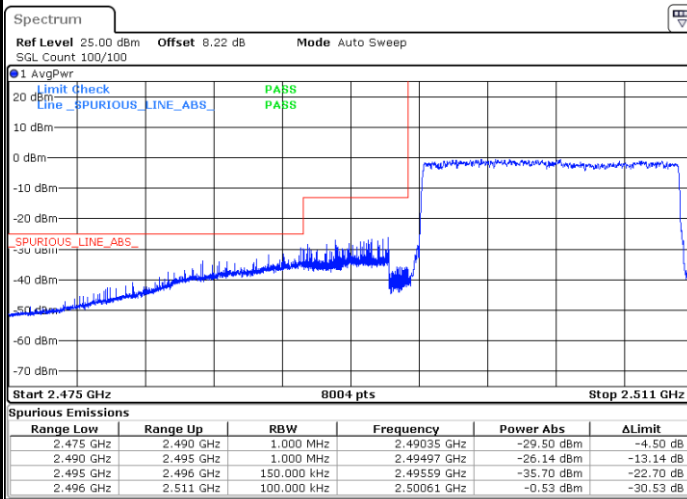
Date: 9.SEP.2022 22:54:21

Highest Band Edge / 1 RB



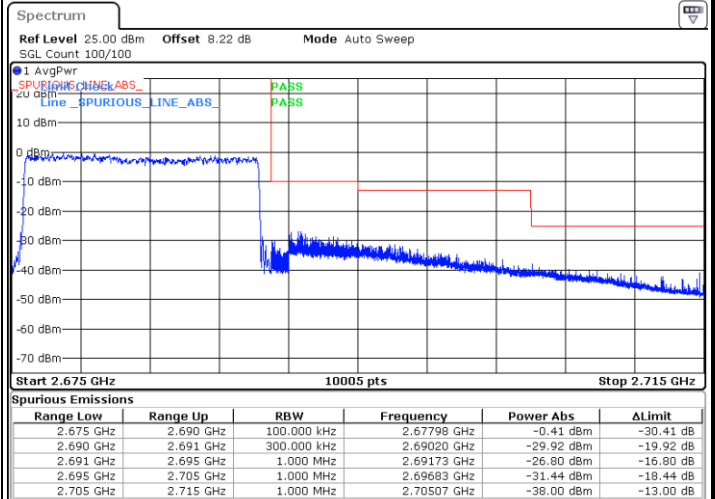
Date: 9.SEP.2022 23:00:22

Lowest Band Edge / Full RB



Date: 9.SEP.2022 22:56:15

Highest Band Edge / Full RB

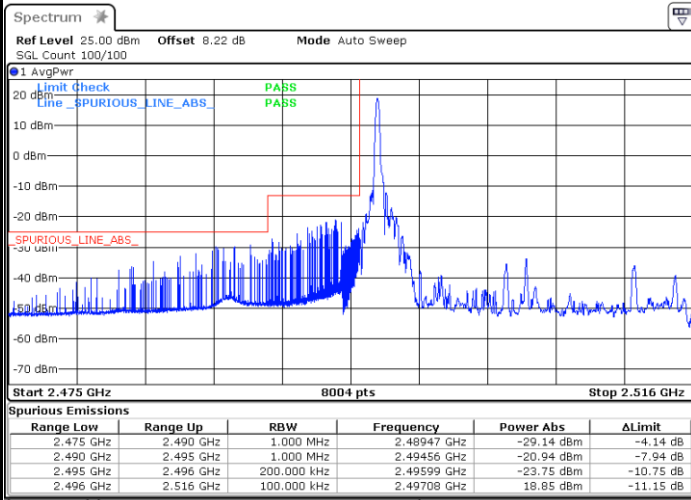


Date: 9.SEP.2022 23:00:43



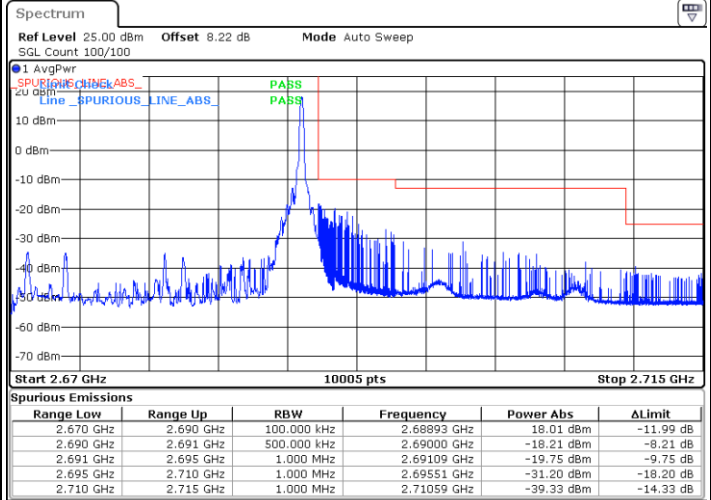
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



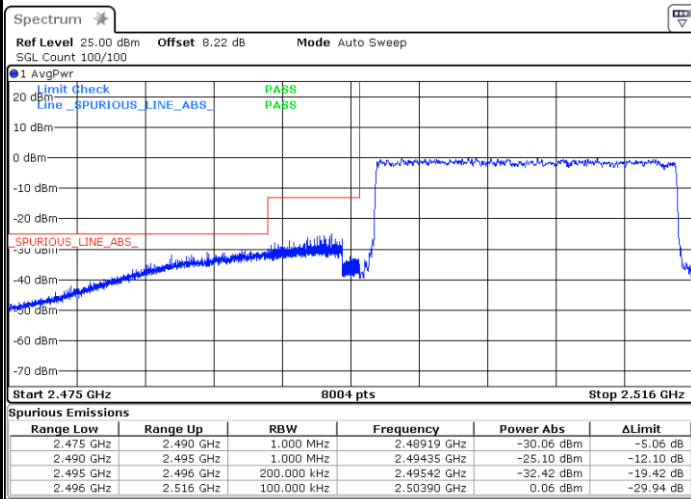
Date: 9.SEP.2022 23:11:25

Highest Band Edge / 1 RB



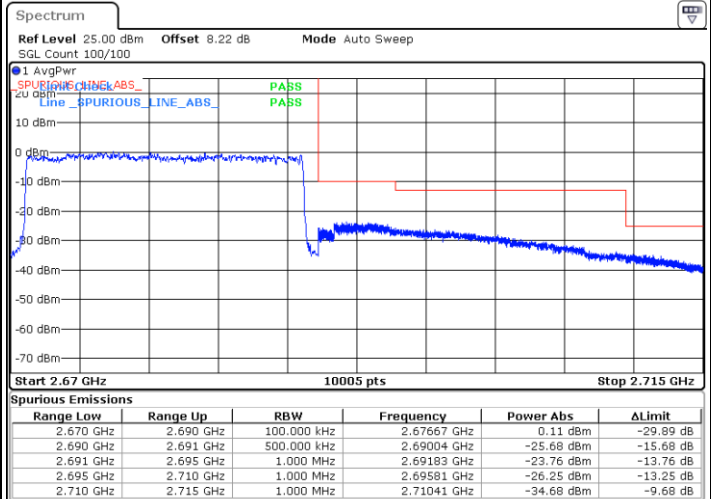
Date: 9.SEP.2022 23:16:06

Lowest Band Edge / Full RB



Date: 9.SEP.2022 23:14:18

Highest Band Edge / Full RB

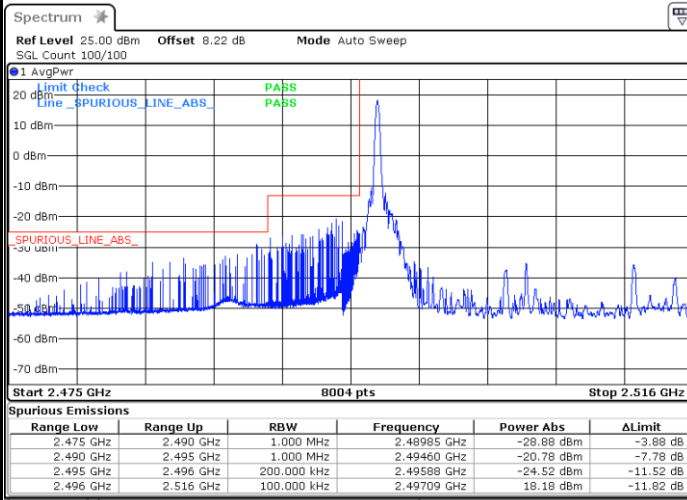


Date: 9.SEP.2022 23:17:31



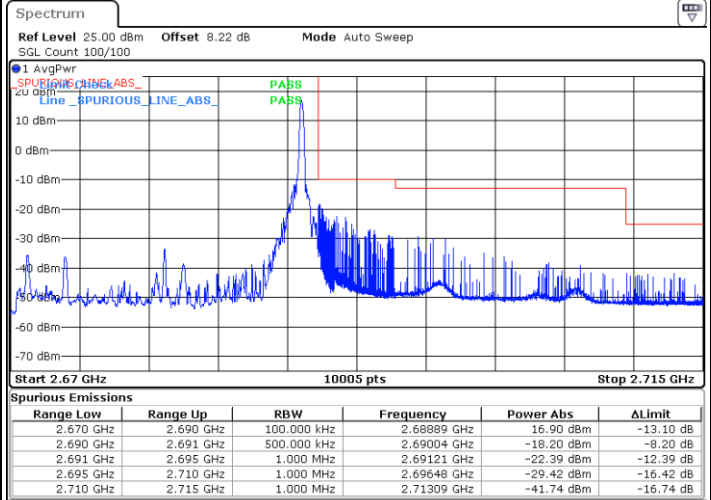
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



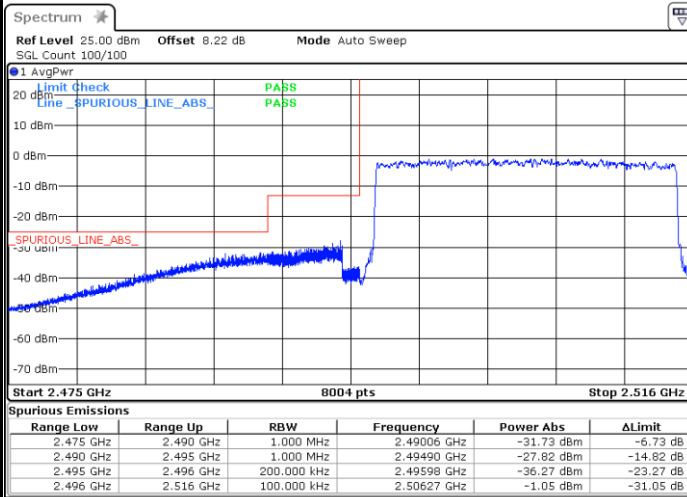
Date: 9.SEP.2022 23:11:56

Highest Band Edge / 1 RB



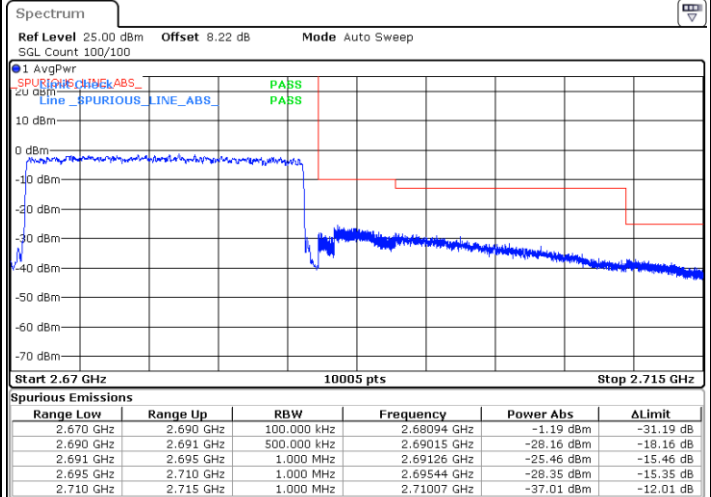
Date: 9.SEP.2022 23:16:22

Lowest Band Edge / Full RB



Date: 9.SEP.2022 23:13:45

Highest Band Edge / Full RB

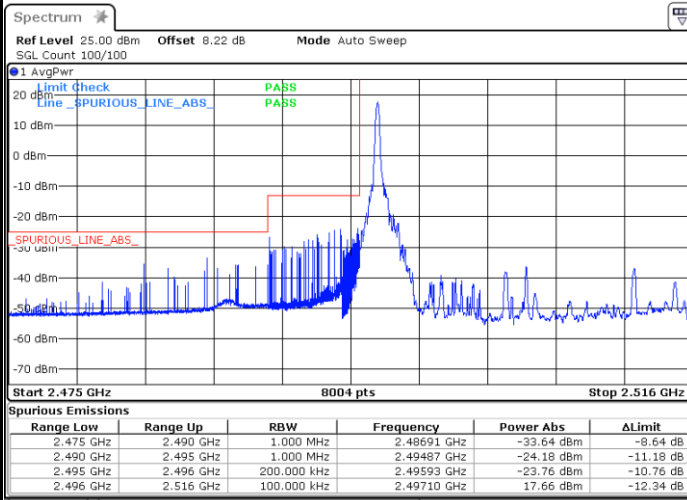


Date: 9.SEP.2022 23:17:17



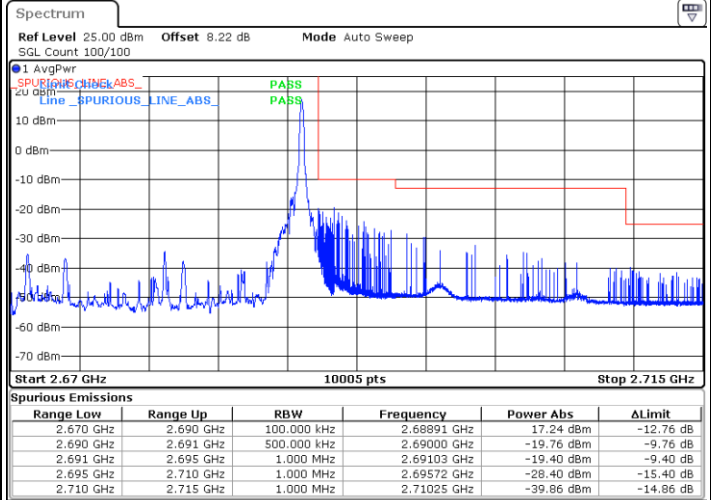
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



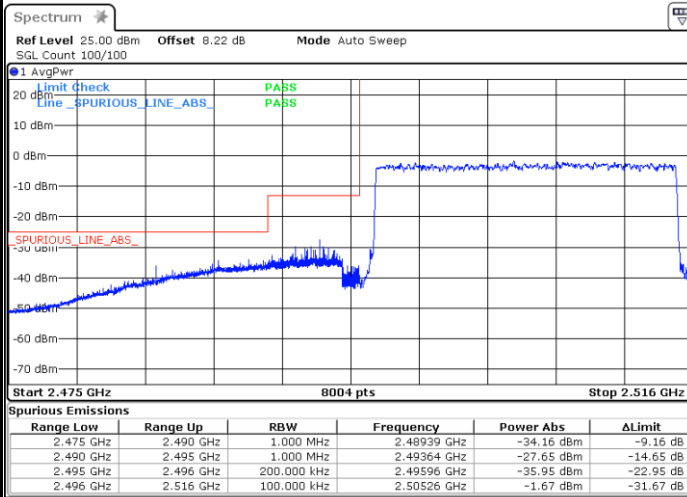
Date: 9.SEP.2022 23:12:41

Highest Band Edge / 1 RB



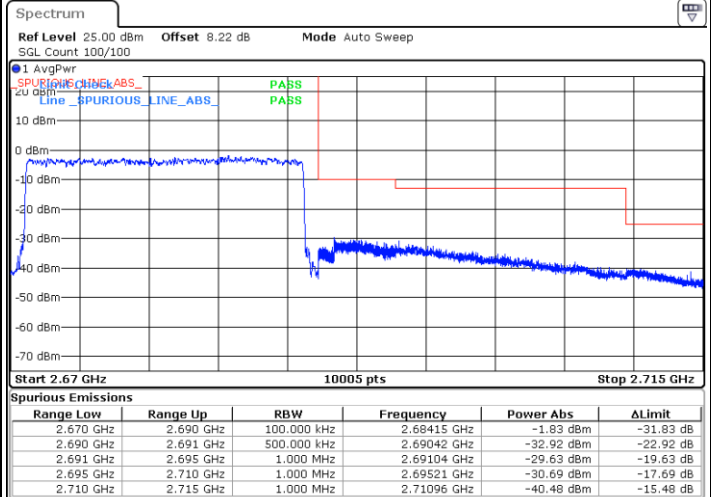
Date: 9.SEP.2022 23:16:38

Lowest Band Edge / Full RB



Date: 9.SEP.2022 23:13:13

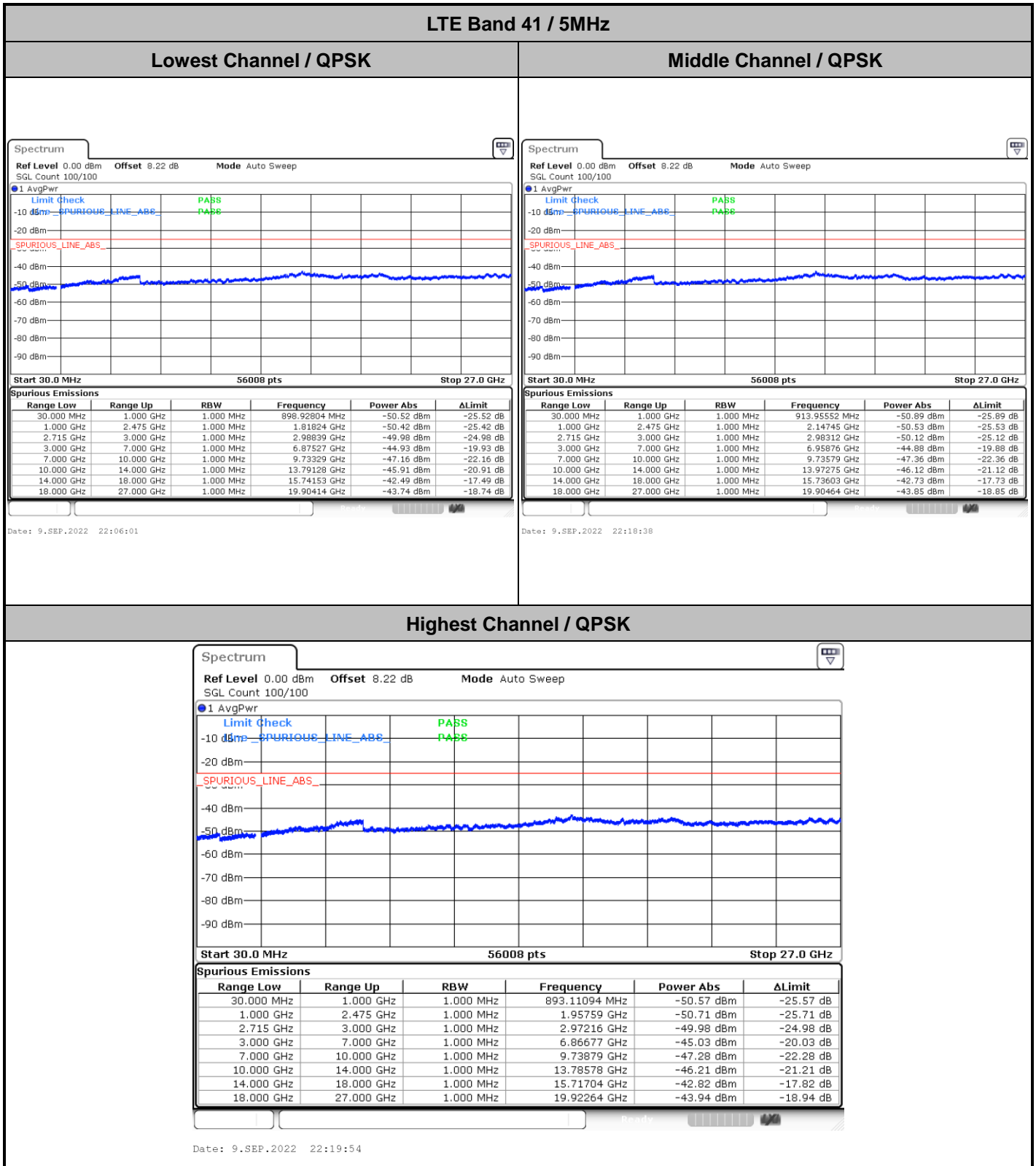
Highest Band Edge / Full RB



Date: 9.SEP.2022 23:17:01



# Conducted Spurious Emission

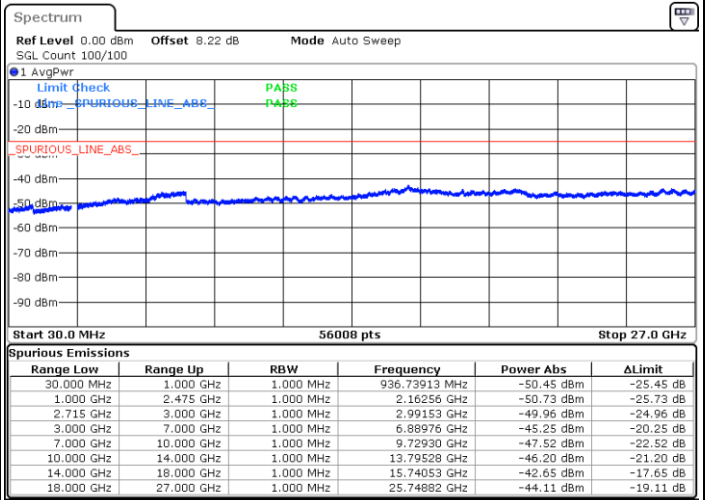
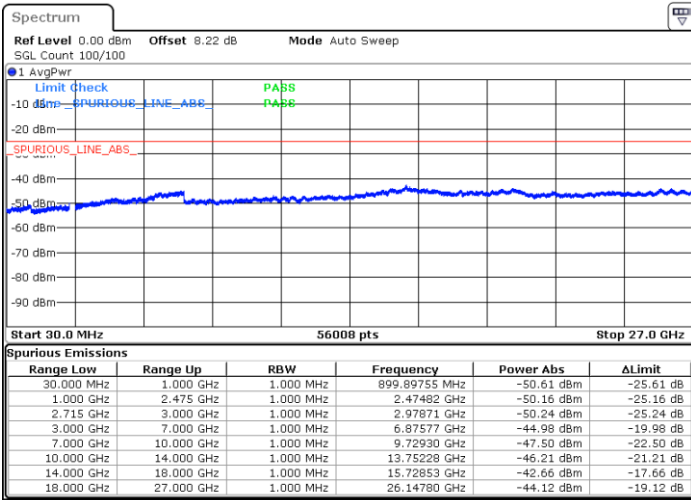




LTE Band 41 / 10MHz

Lowest Channel / QPSK

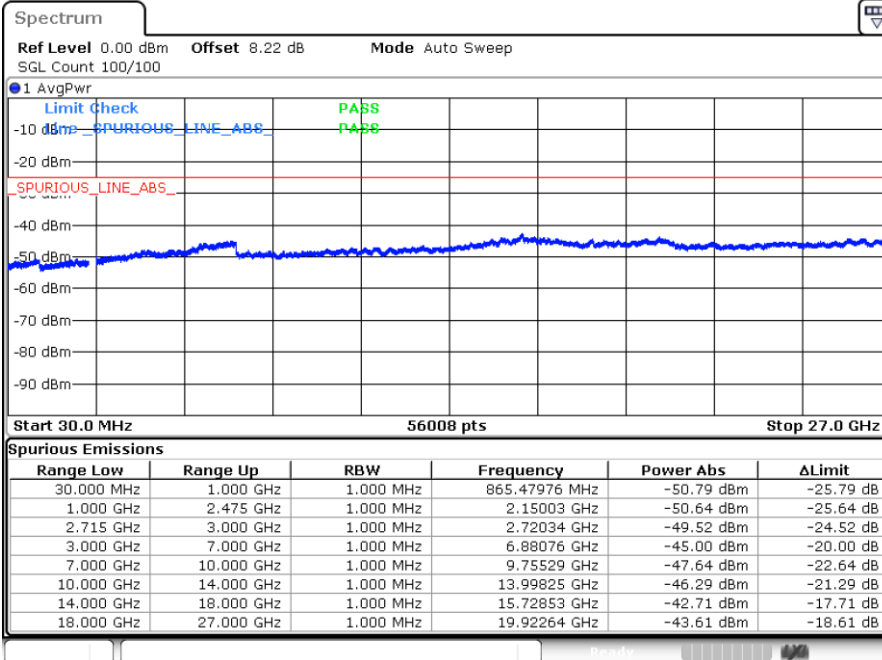
Middle Channel / QPSK



Date: 9.SEP.2022 22:39:49

Date: 9.SEP.2022 22:46:56

Highest Channel / QPSK



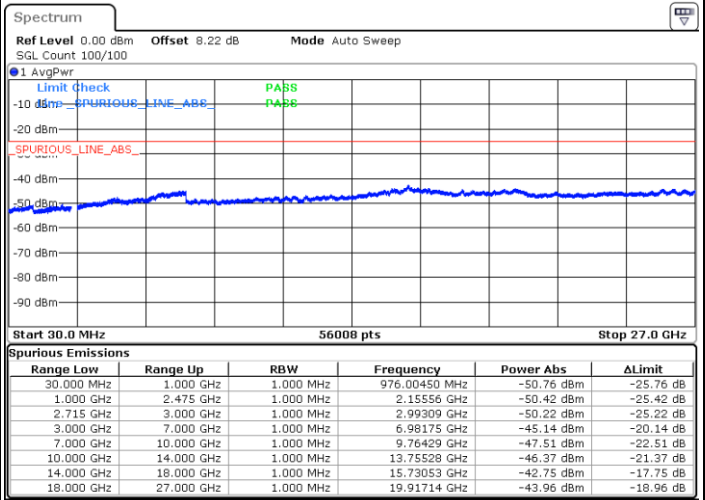
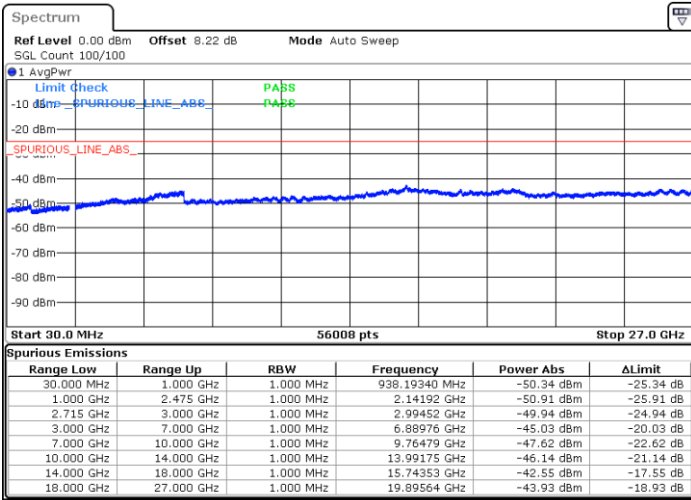
Date: 9.SEP.2022 22:48:12



LTE Band 41 / 15MHz

Lowest Channel / QPSK

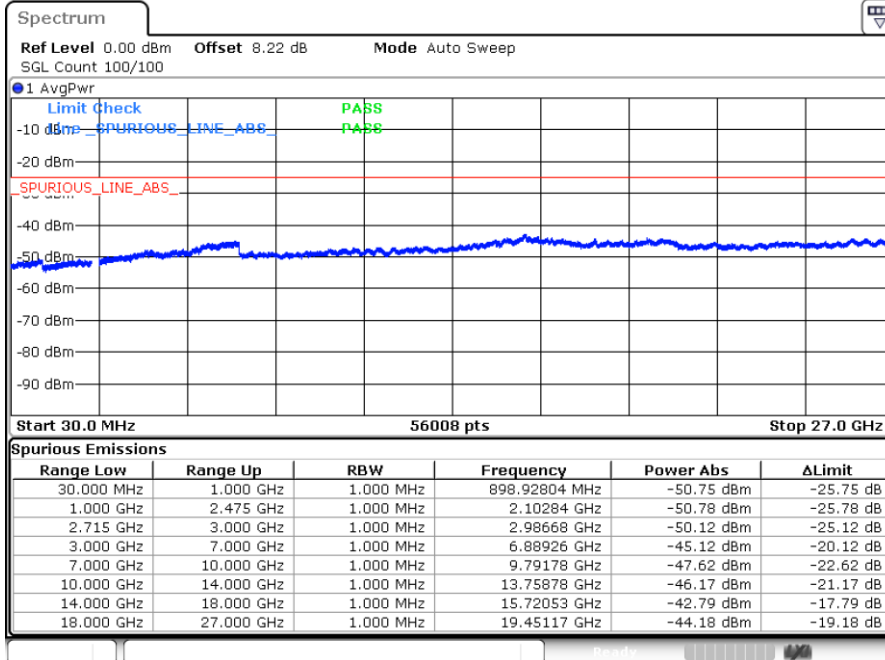
Middle Channel / QPSK



Date: 9.SEP.2022 22:52:41

Date: 9.SEP.2022 22:57:38

Highest Channel / QPSK



Date: 9.SEP.2022 22:59:03

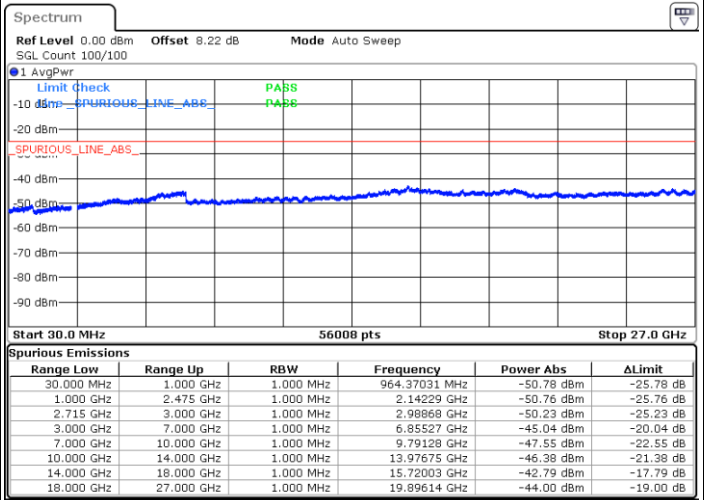
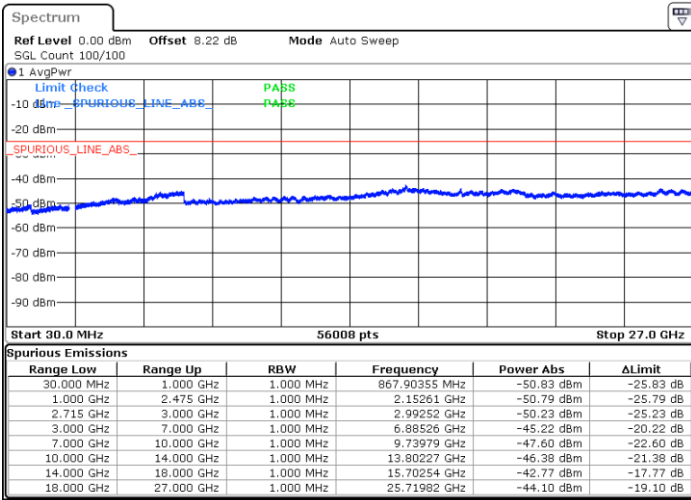




LTE Band 41 / 20MHz

Lowest Channel / QPSK

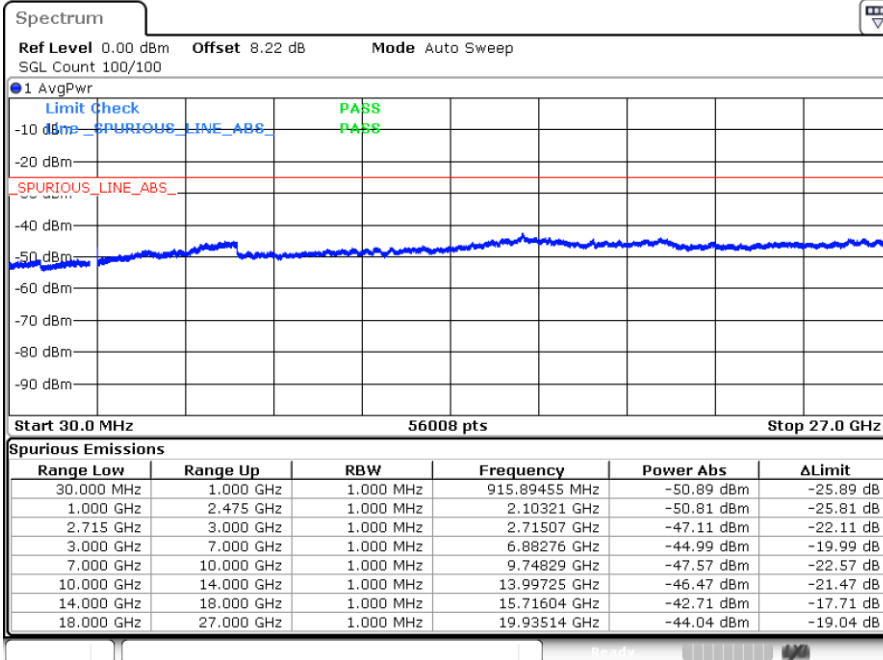
Middle Channel / QPSK



Date: 9.SEP.2022 23:10:51

Date: 9.SEP.2022 23:08:35

Highest Channel / QPSK



Date: 9.SEP.2022 23:15:40



### Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

**Note:**

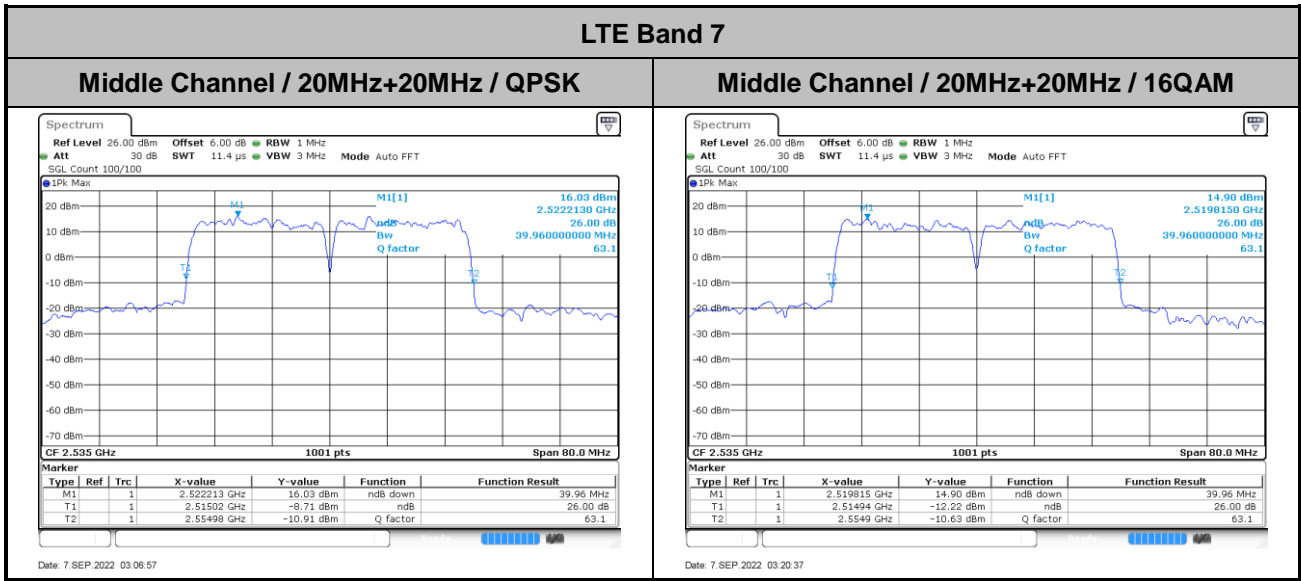
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 7C

## 26dB Bandwidth

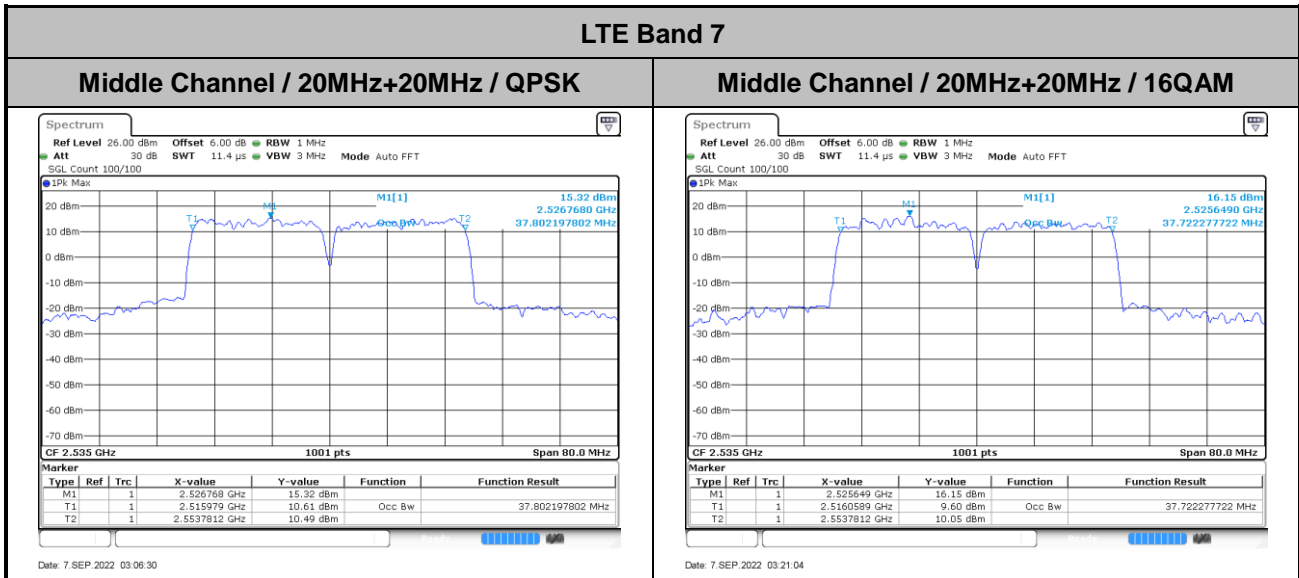
<b>BW</b>	<b>20MHz+20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	39.96	39.96





# Occupied Bandwidth

<b>BW</b>	<b>20MHz+20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	37.80	37.72



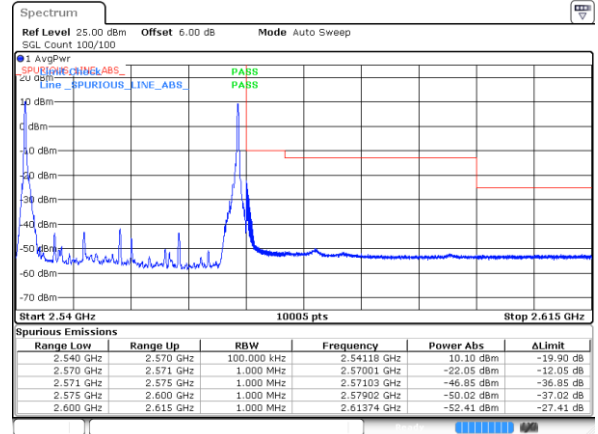
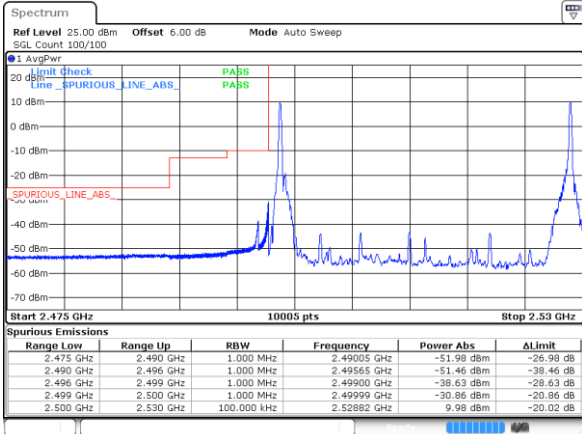


# Conducted Band Edge

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

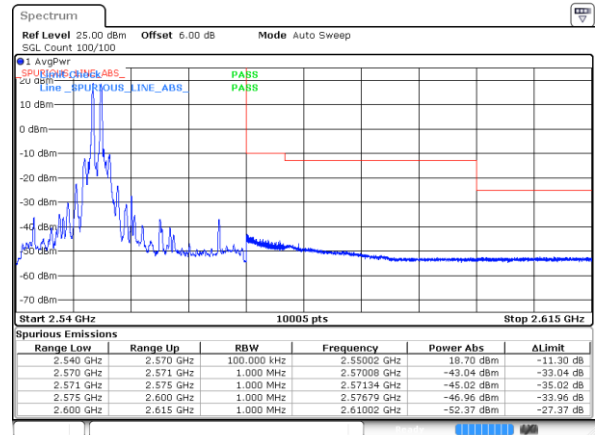
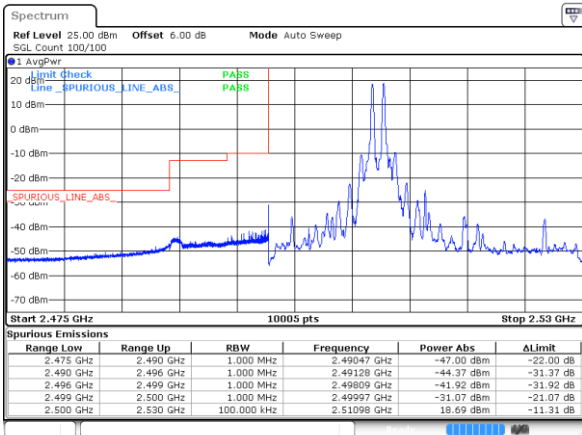
### Lowest Band Edge / 1RB0 and 1RB9

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



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

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

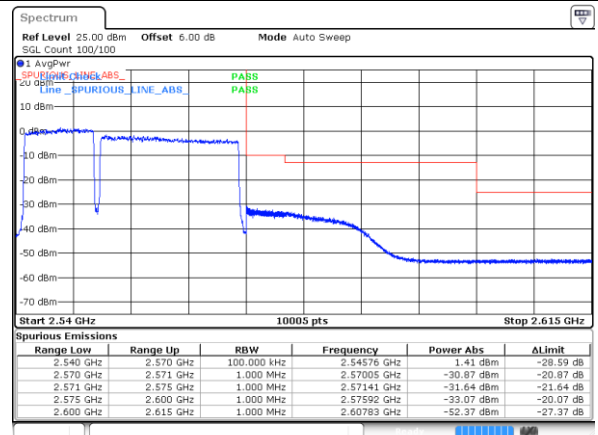
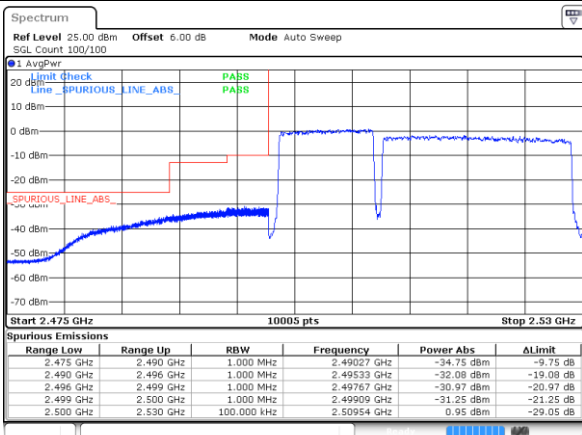


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### Lowest Band Edge / Full RB

### Highest Band Edge / Full RB



Date: 6 SEP 2022 22:56:43

Date: 6 SEP 2022 23:11:21