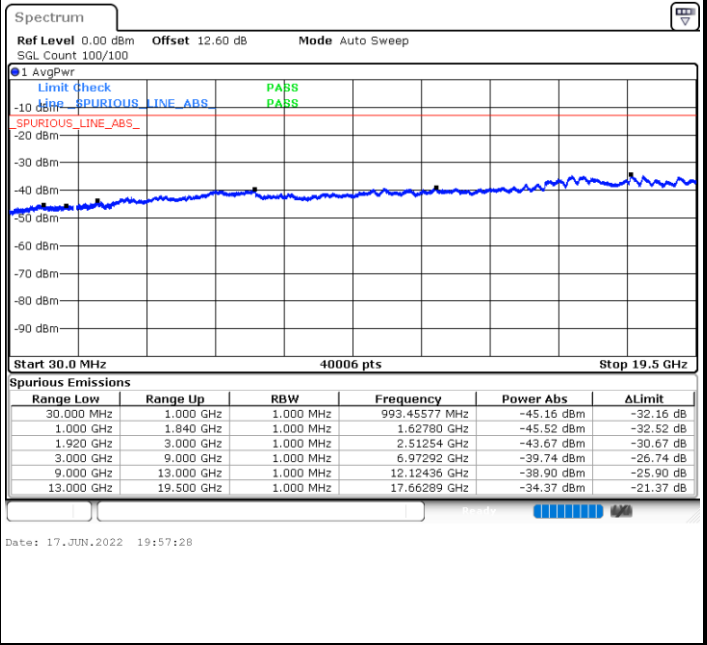
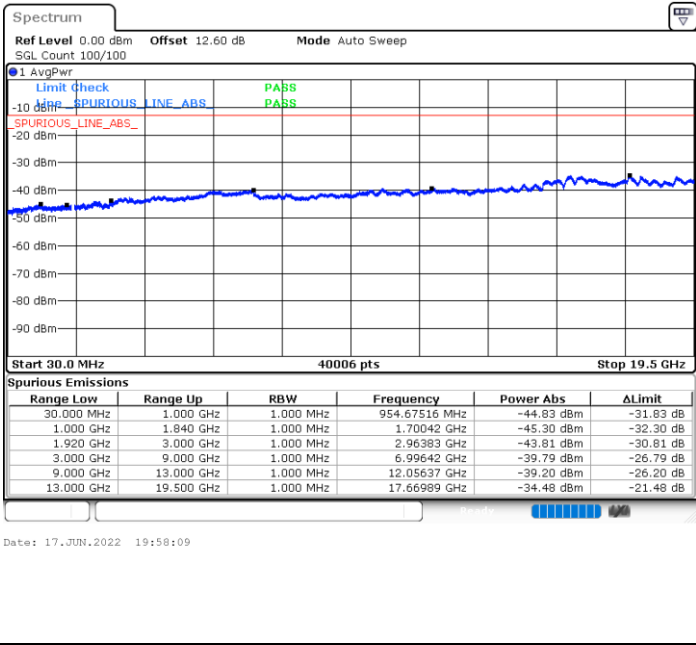




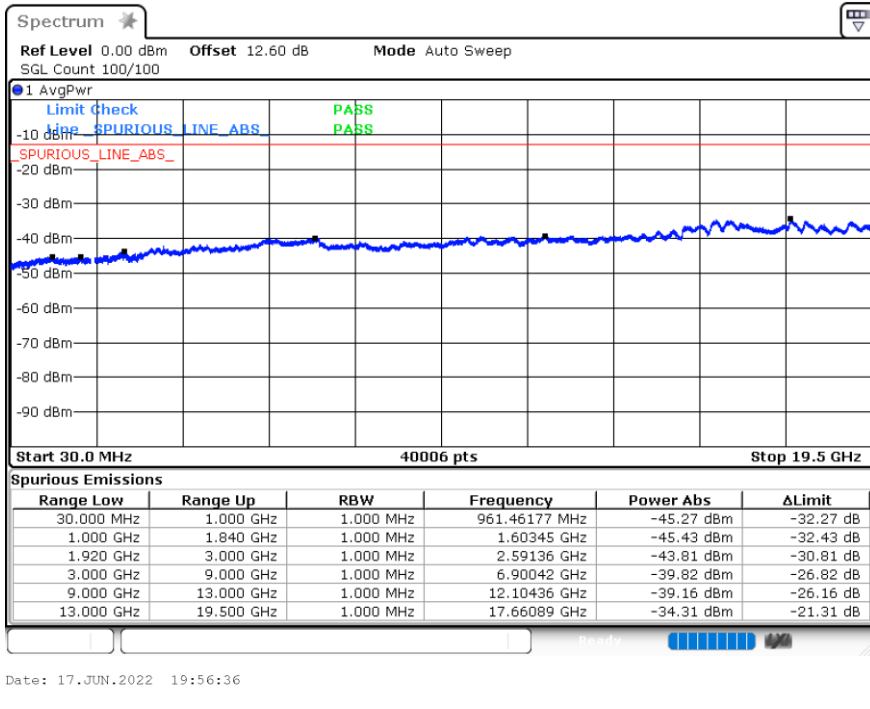
LTE Band 2 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

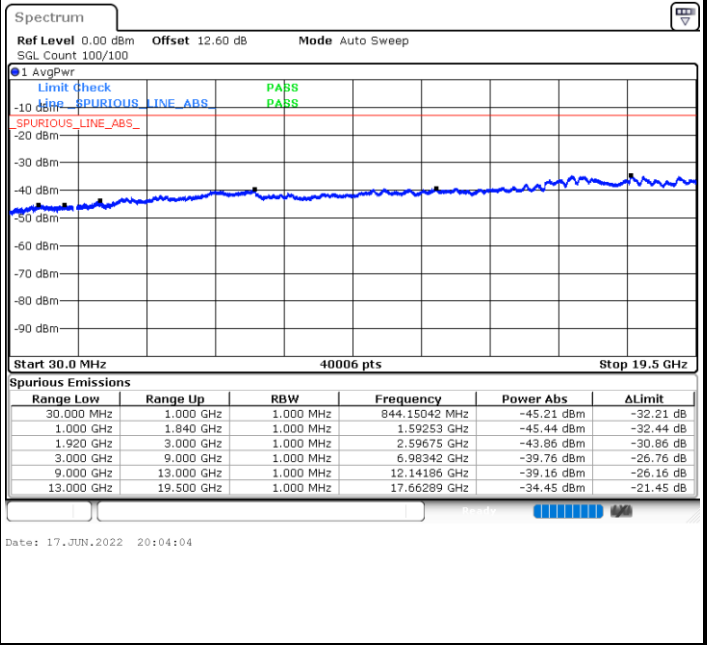
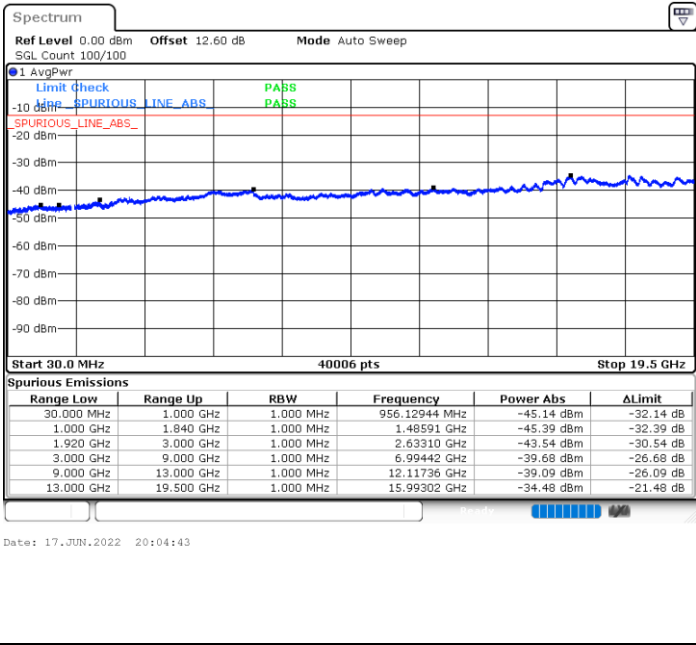




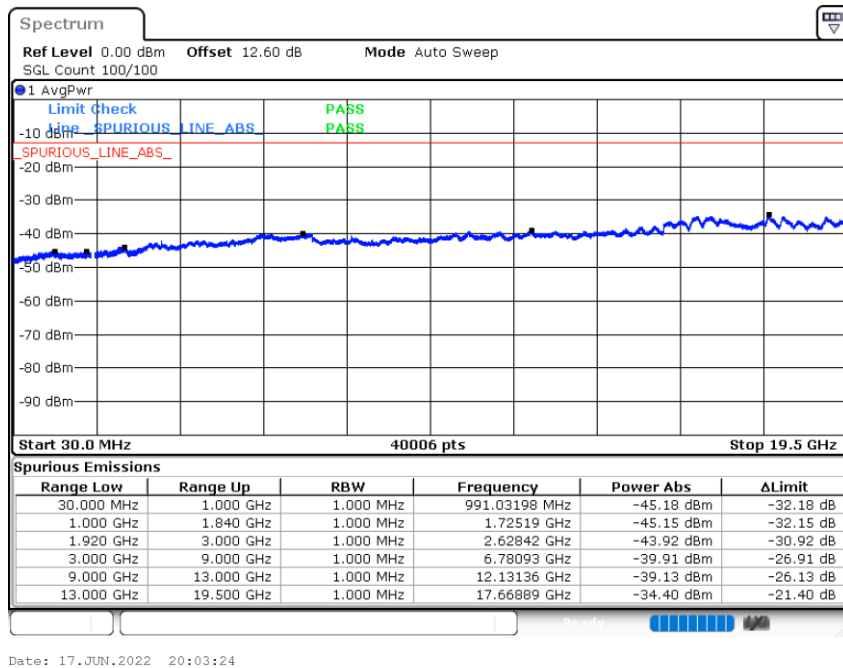
LTE Band 2 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

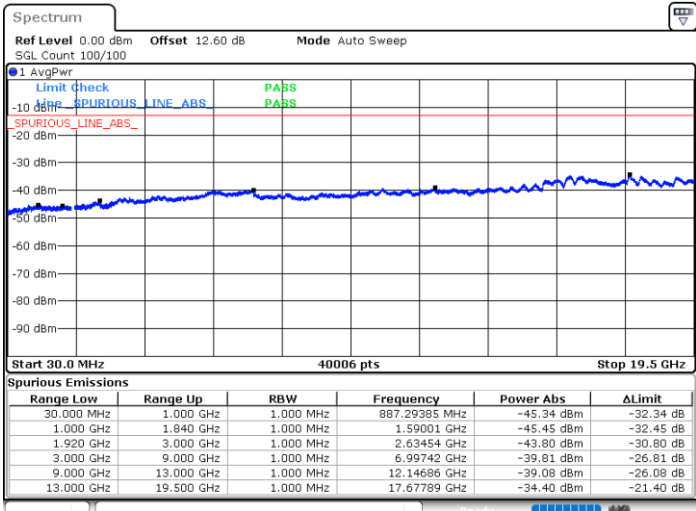




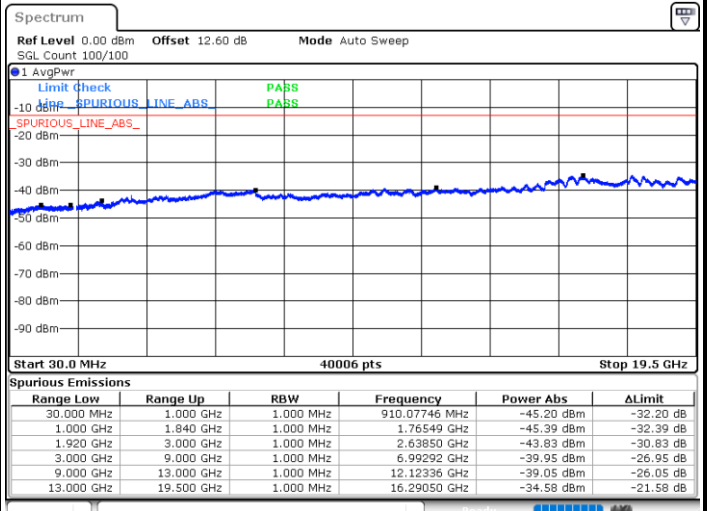
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

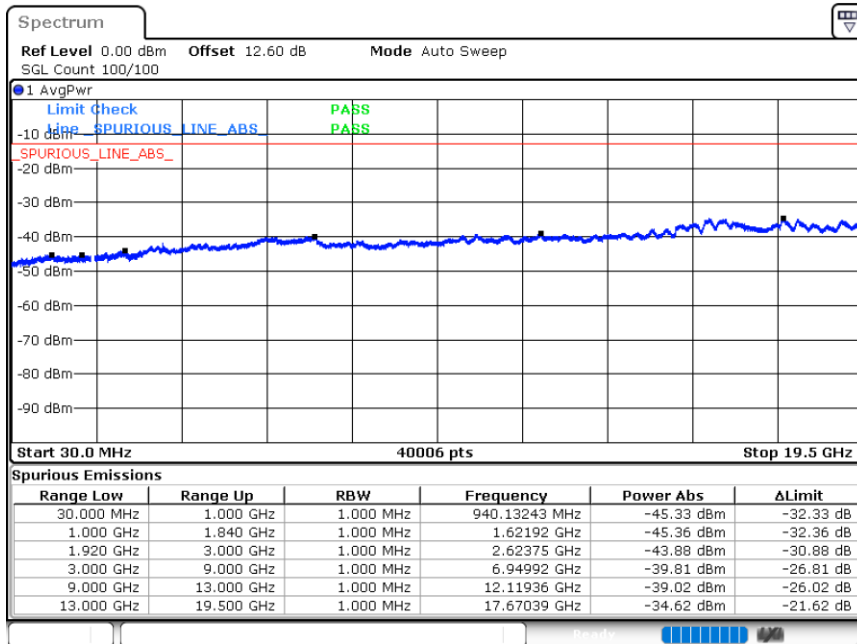


Date: 17.JUN.2022 20:17:04



Date: 17.JUN.2022 20:16:26

Highest Channel / QPSK

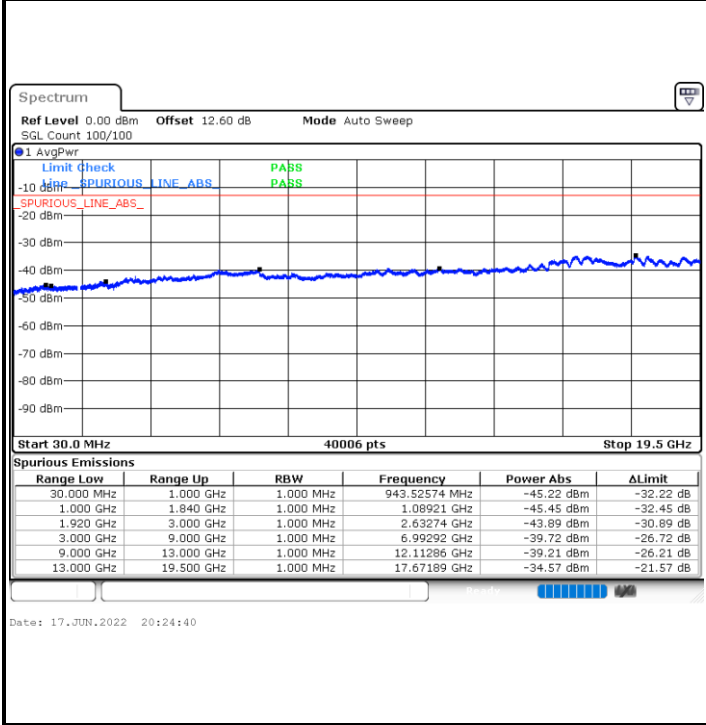


Date: 17.JUN.2022 20:15:46

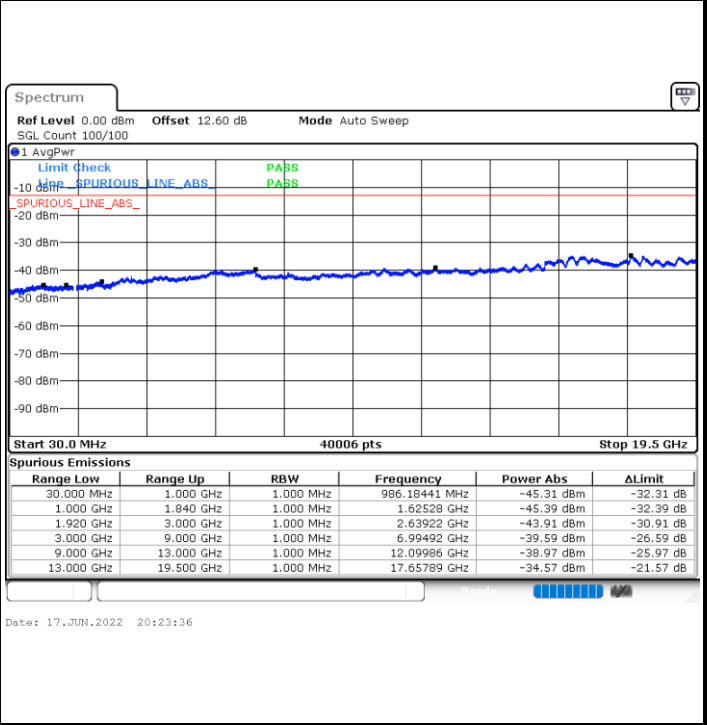


**LTE Band 2 / 20MHz**

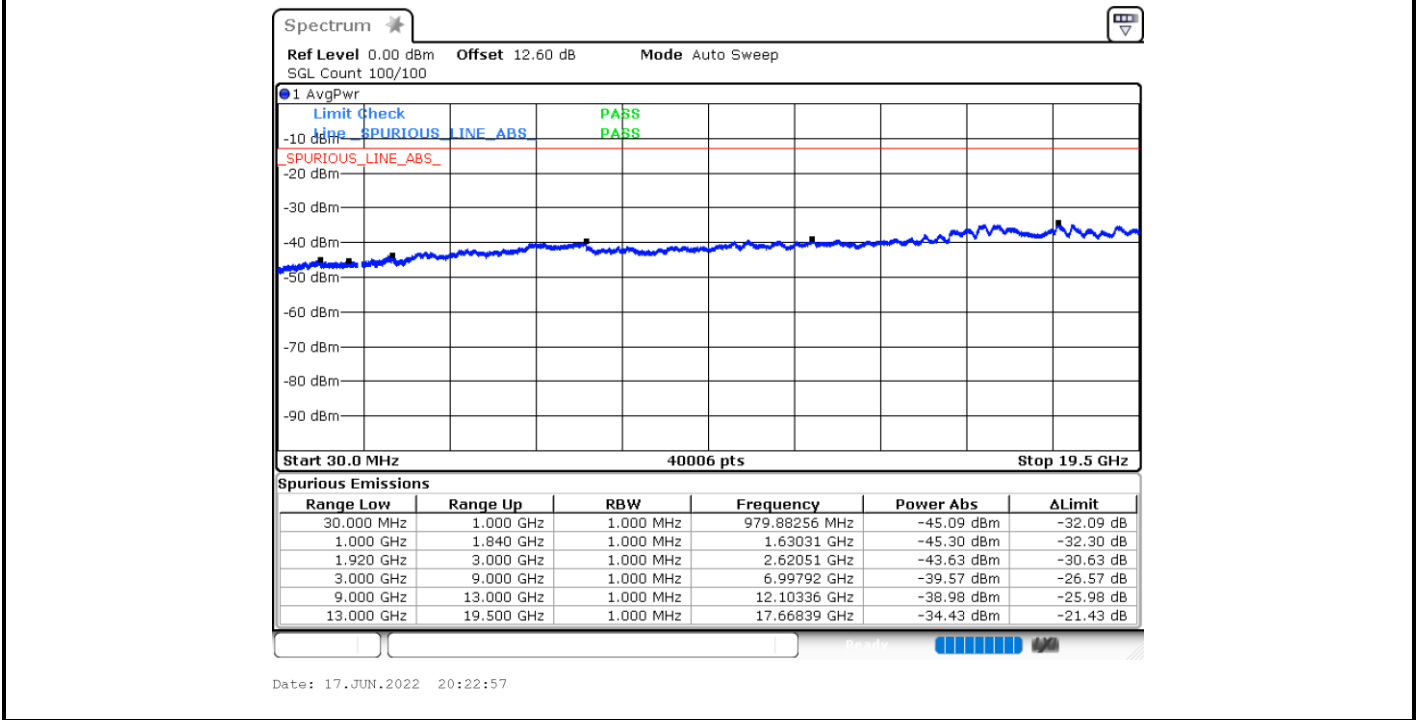
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**





### Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0011	

**Note:**

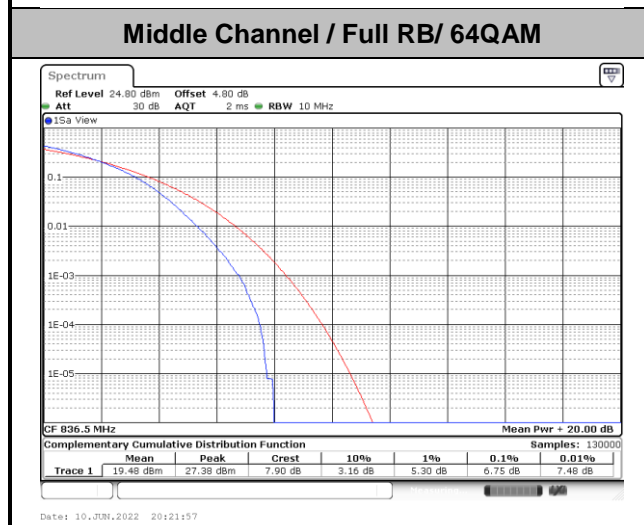
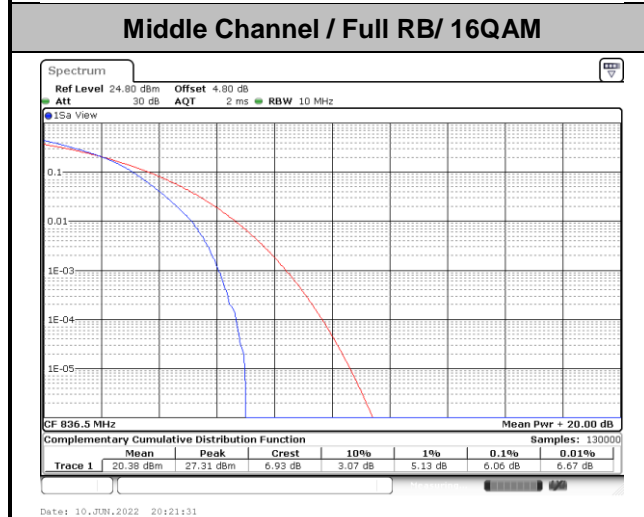
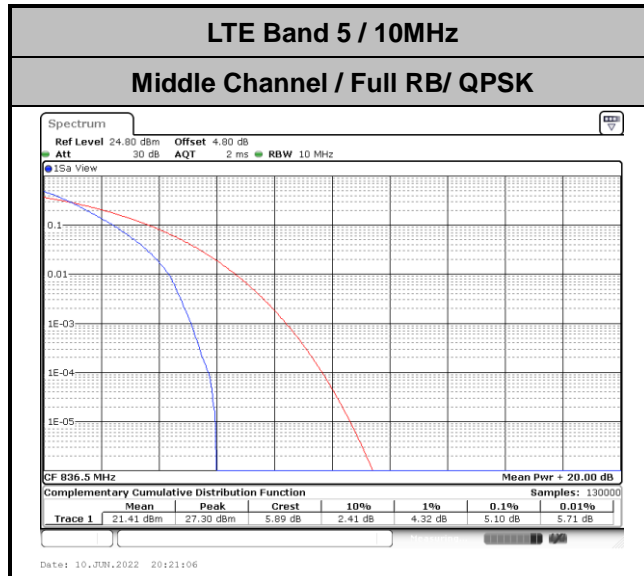
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 5

### Peak-to-Average Ratio

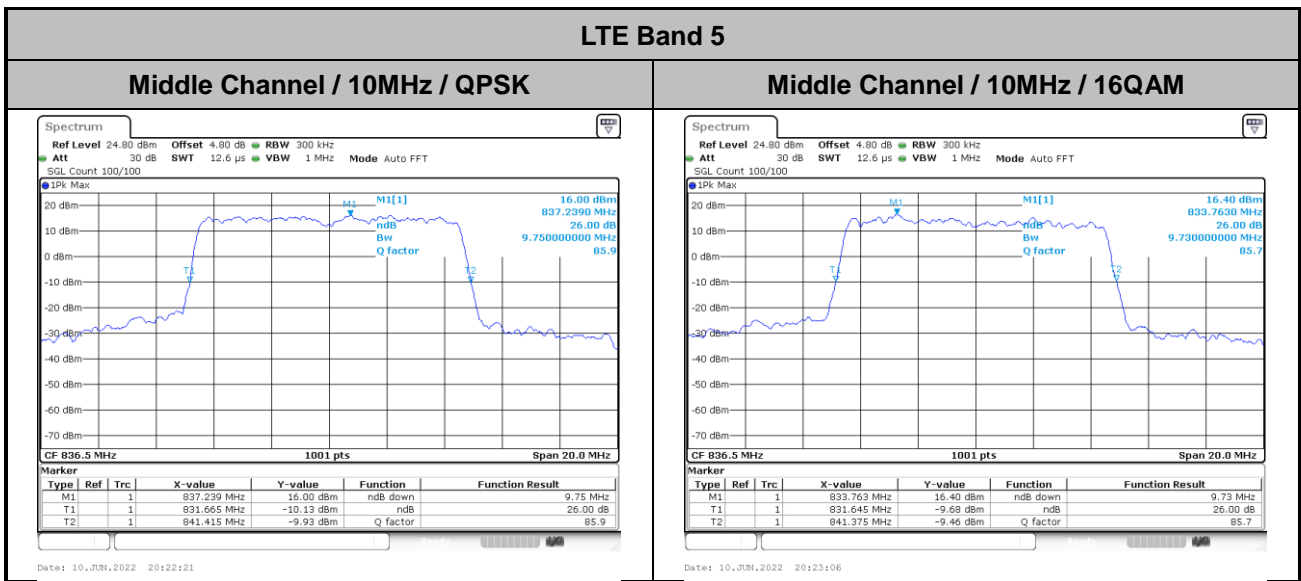
Mode	LTE Band 5 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.10	6.06	6.75	PASS





## 26dB Bandwidth

<b>Mode</b>	<b>LTE Band 5 : 26dB BW(MHz)</b>	
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.75	9.73

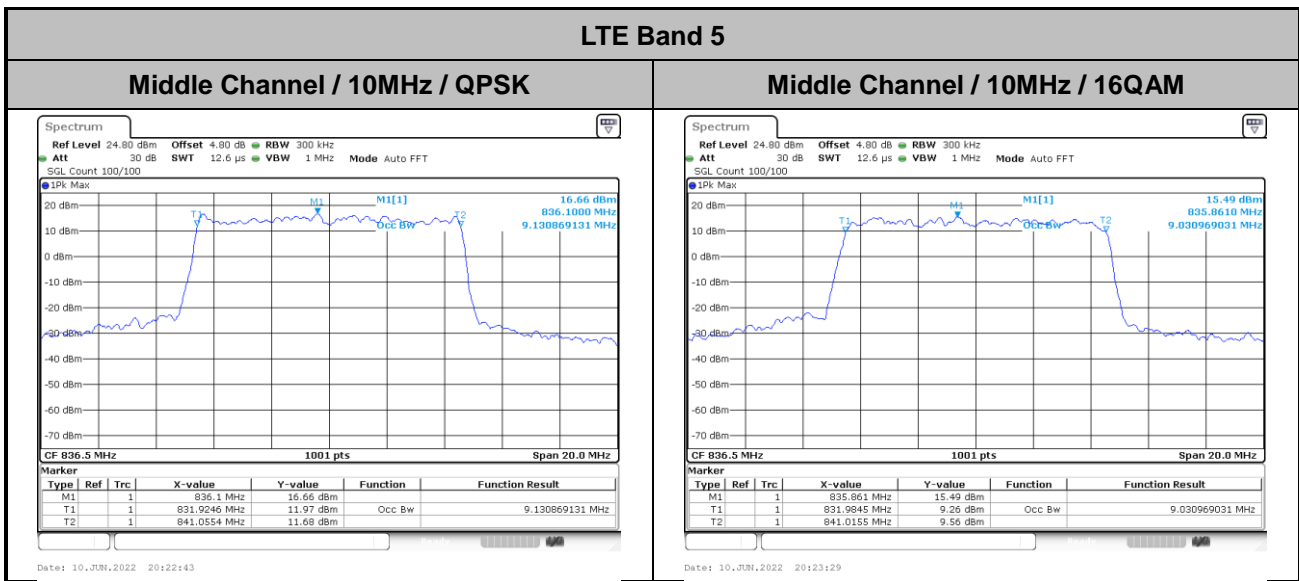






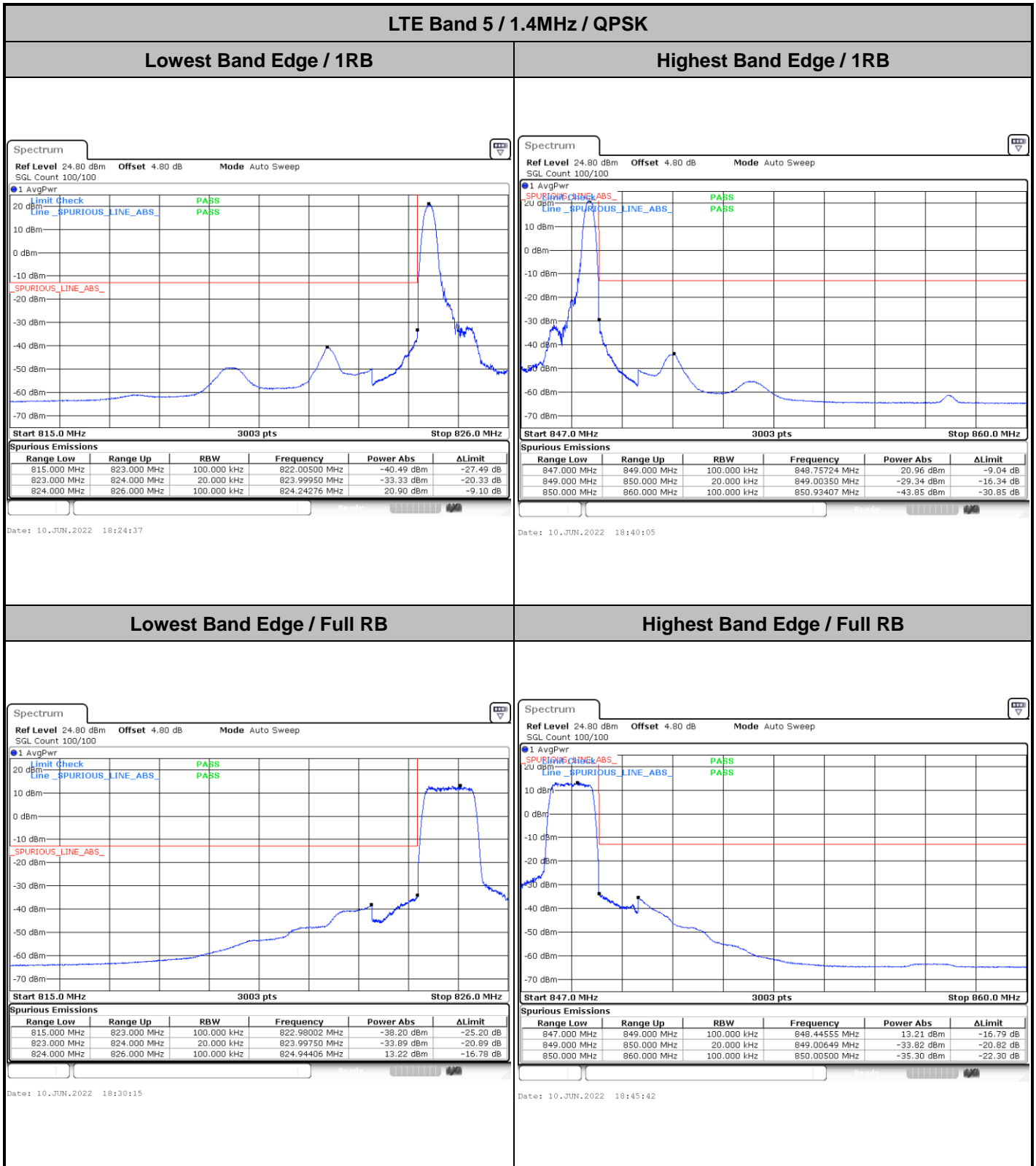
## Occupied Bandwidth

<b>Mode</b>	<b>LTE Band 5 : 99%OBW(MHz)</b>	
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.13	9.03





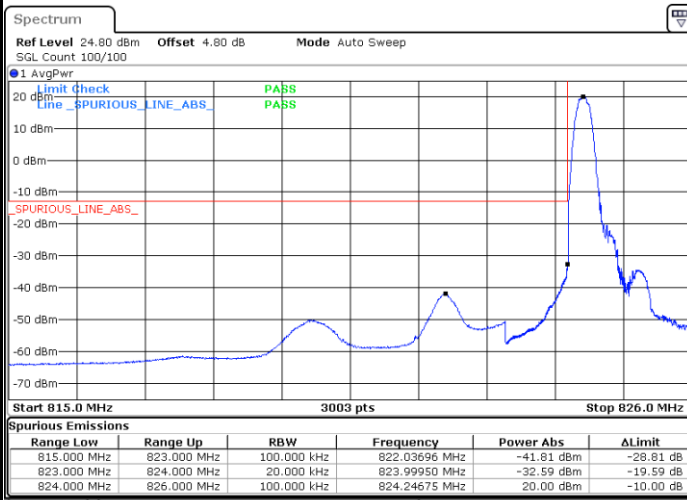
# Conducted Band Edge





LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



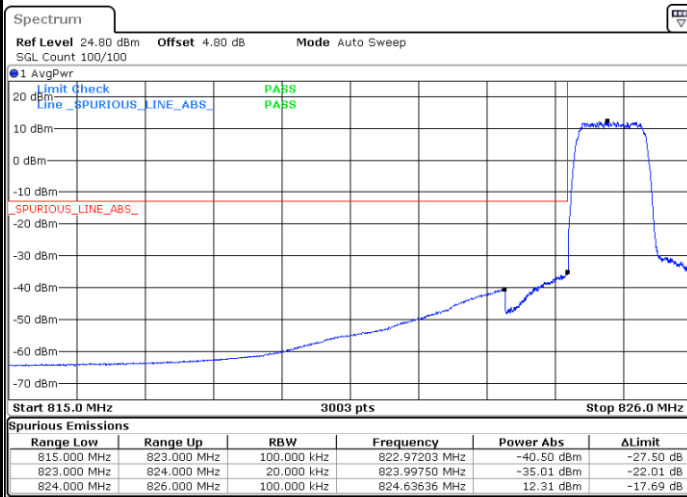
Date: 10 JUN 2022 18:26:30

Highest Band Edge / 1 RB



Date: 10 JUN 2022 18:41:57

Lowest Band Edge / Full RB



Date: 10 JUN 2022 18:32:07

Highest Band Edge / Full RB

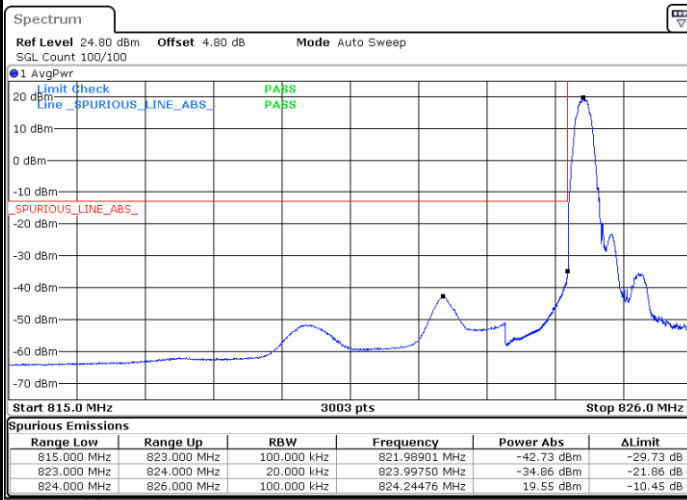


Date: 10 JUN 2022 18:47:34



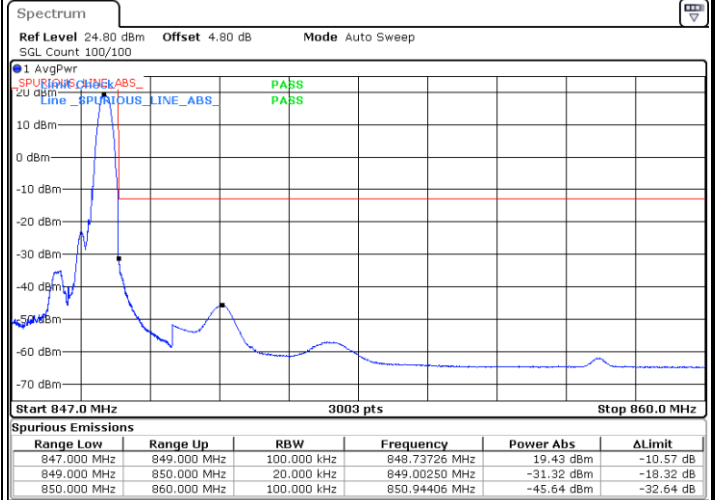
LTE Band 5 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



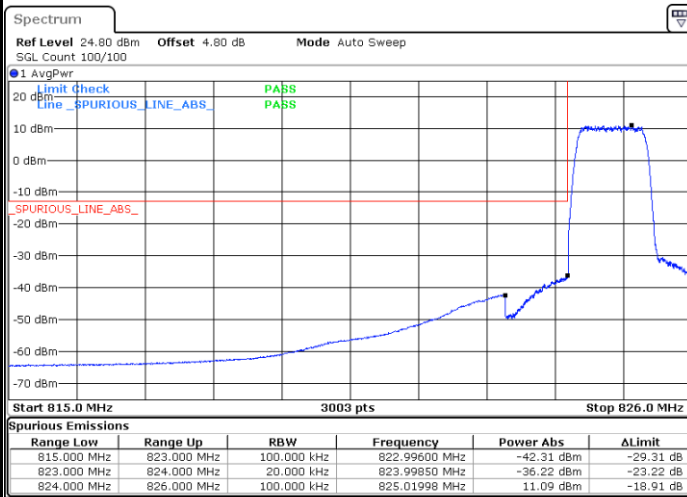
Date: 10. JUN. 2022 18:28:22

Highest Band Edge / 1 RB



Date: 10. JUN. 2022 18:43:49

Lowest Band Edge / Full RB



Date: 10. JUN. 2022 18:33:59

Highest Band Edge / Full RB

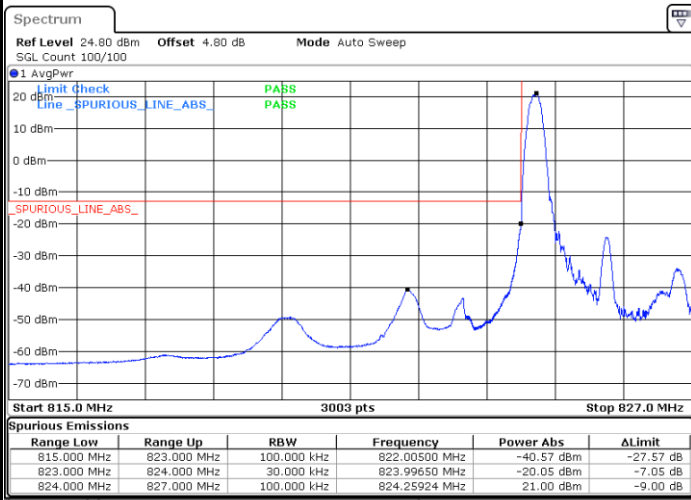


Date: 10. JUN. 2022 18:49:26



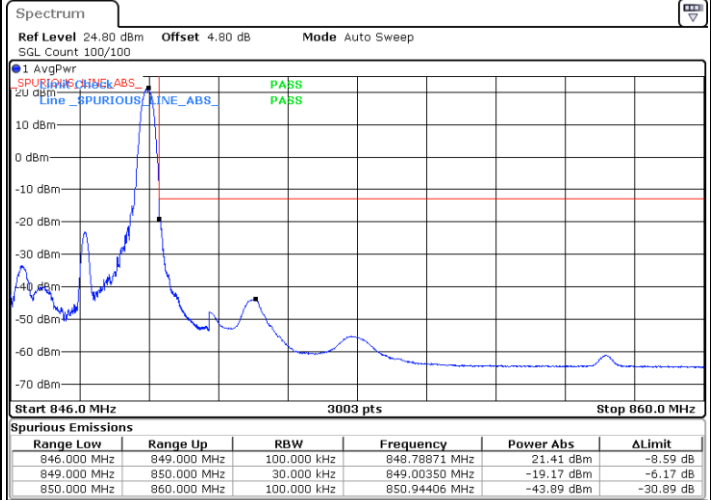
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



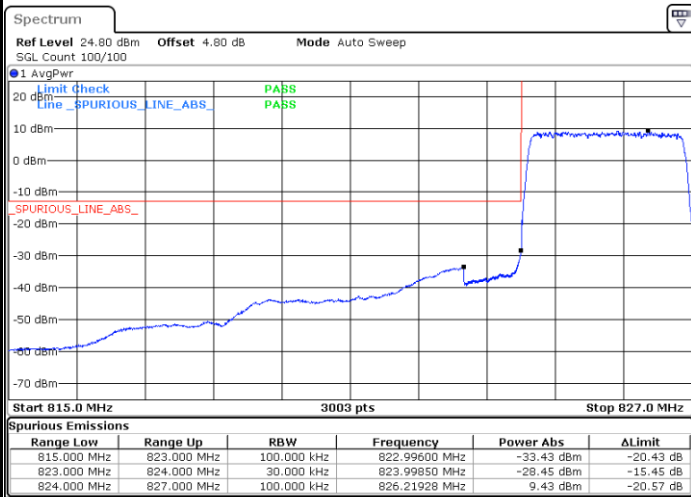
Date: 10 JUN.2022 18:53:26

Highest Band Edge / 1 RB



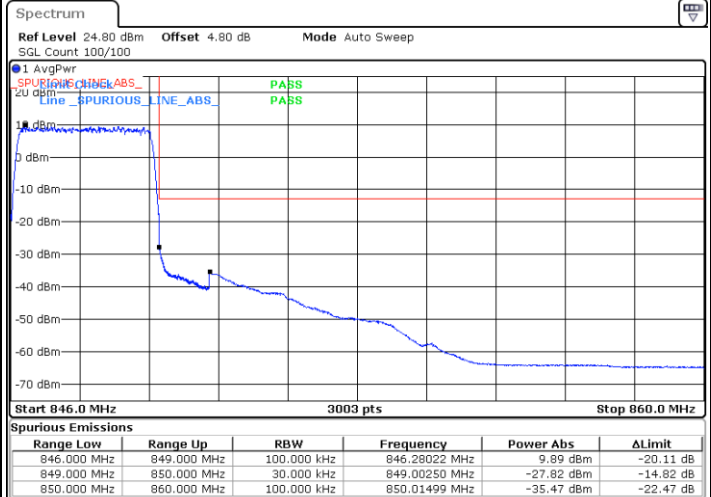
Date: 10 JUN.2022 19:08:53

Lowest Band Edge / Full RB



Date: 10 JUN.2022 18:59:03

Highest Band Edge / Full RB

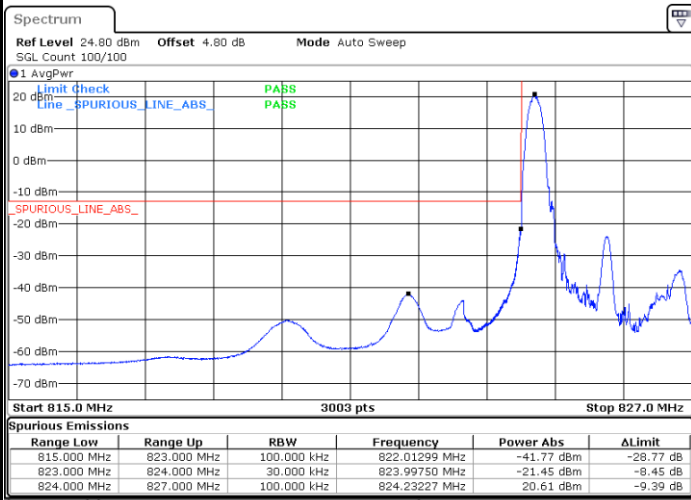


Date: 10 JUN.2022 19:14:30



LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



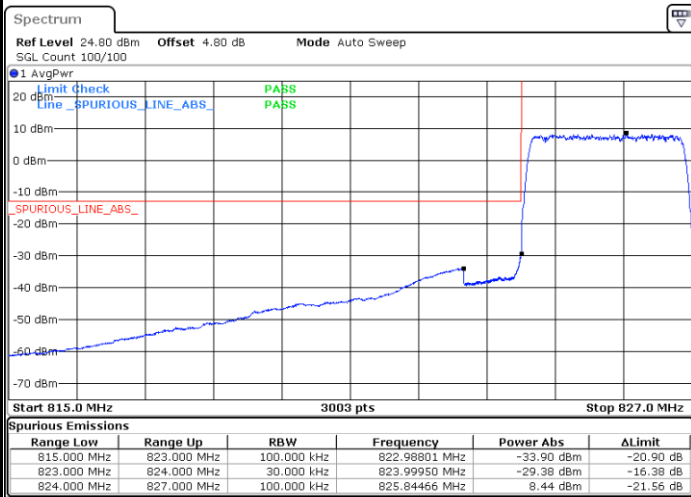
Date: 10 JUN.2022 18:55:18

Highest Band Edge / 1 RB



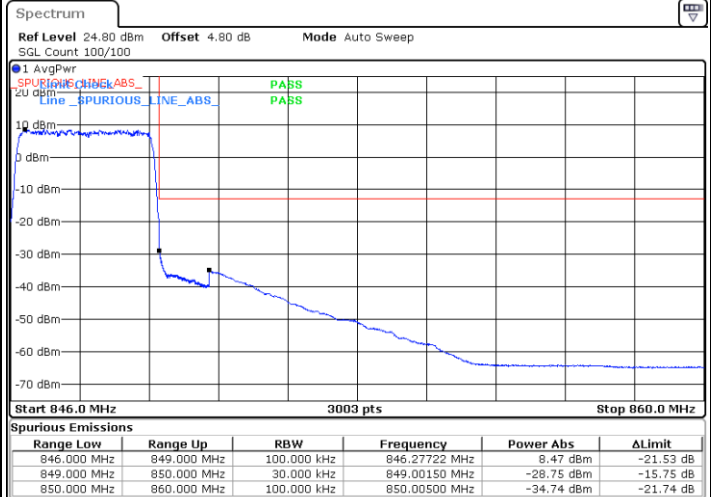
Date: 10 JUN.2022 19:10:45

Lowest Band Edge / Full RB



Date: 10 JUN.2022 19:00:55

Highest Band Edge / Full RB

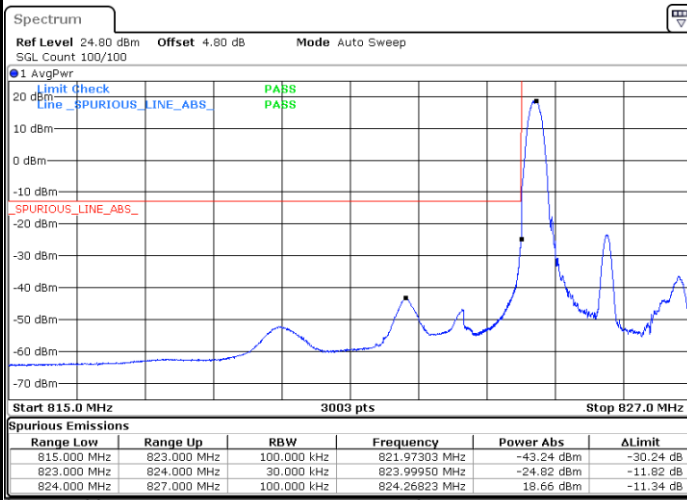


Date: 10 JUN.2022 19:16:22



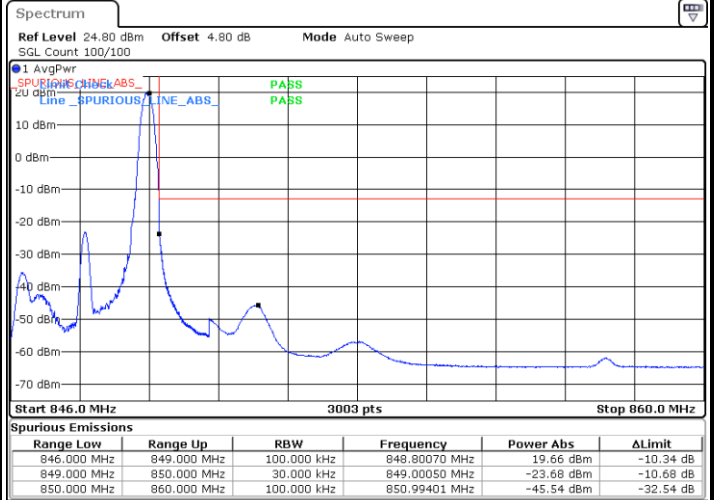
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



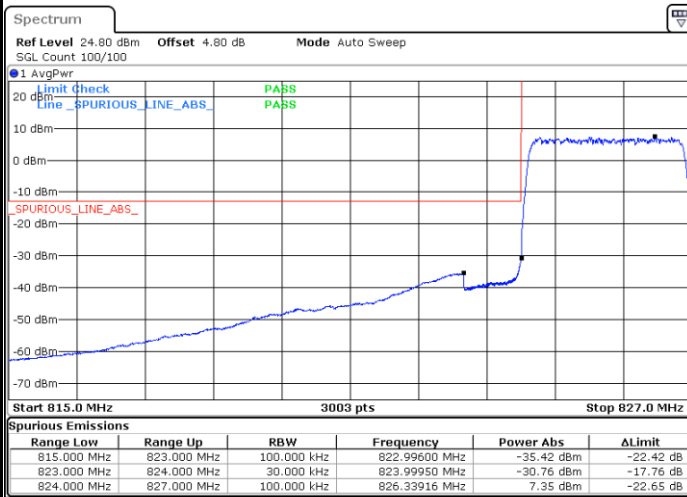
Date: 10 JUN.2022 18:57:10

Highest Band Edge / 1 RB



Date: 10 JUN.2022 19:12:37

Lowest Band Edge / Full RB



Date: 10 JUN.2022 19:02:47

Highest Band Edge / Full RB

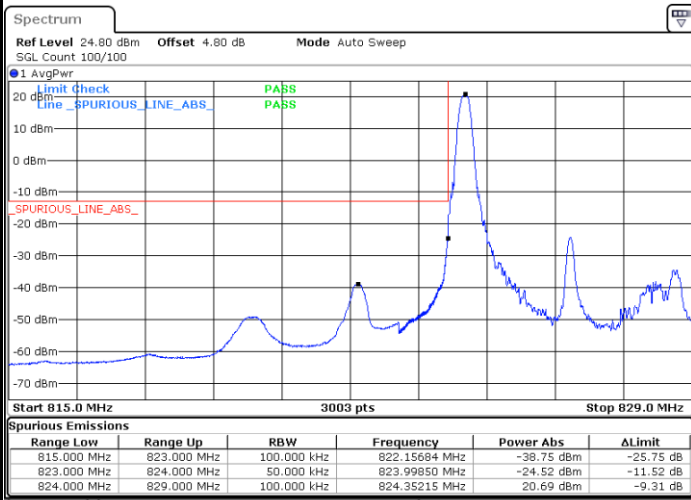


Date: 10 JUN.2022 19:18:14



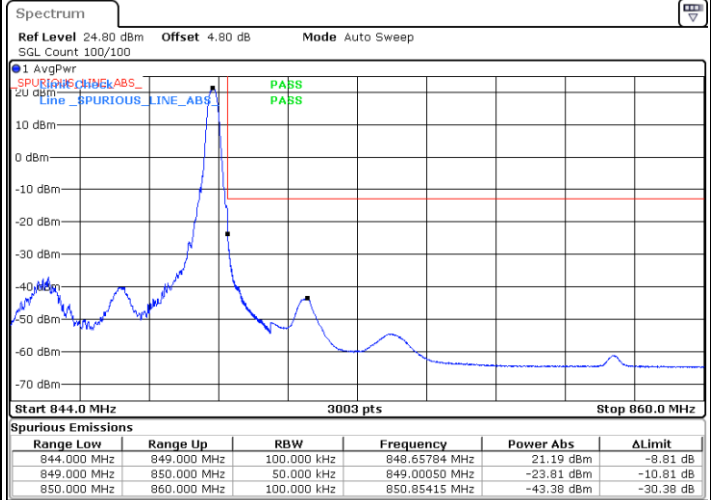
LTE Band 5 / 5MHz / QPSK

Lowest Band Edge / 1 RB



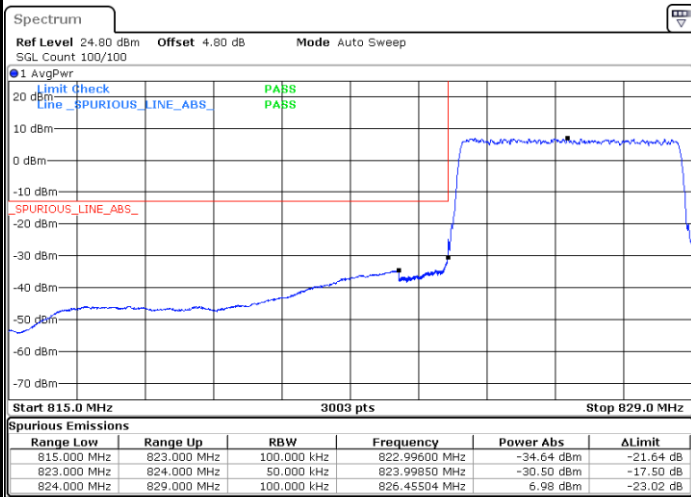
Date: 10 JUN.2022 19:22:14

Highest Band Edge / 1 RB



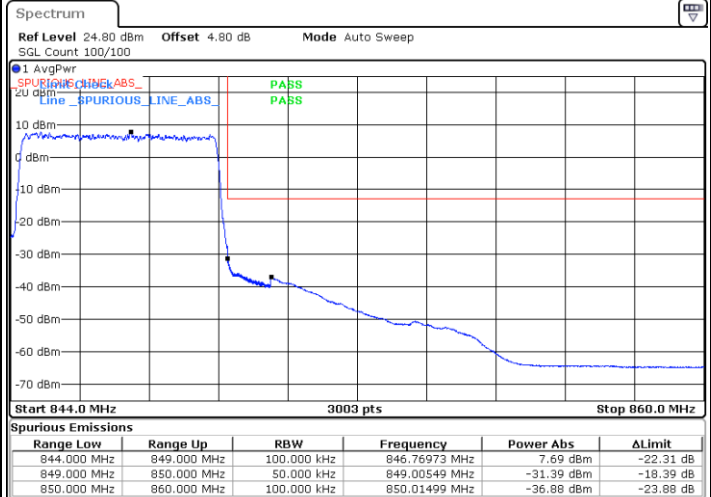
Date: 10 JUN.2022 19:37:41

Lowest Band Edge / Full RB



Date: 10 JUN.2022 19:27:50

Highest Band Edge / Full RB



Date: 10 JUN.2022 19:43:18

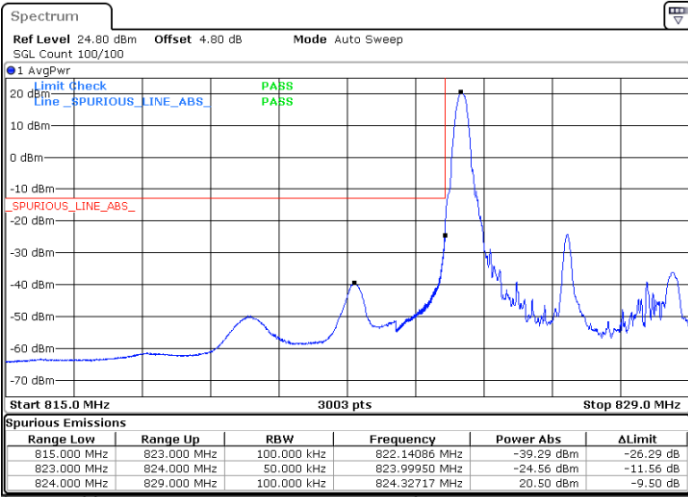




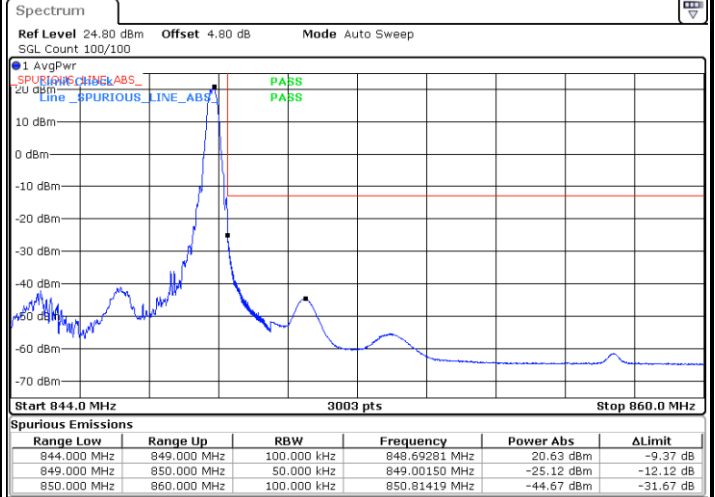
LTE Band 5 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



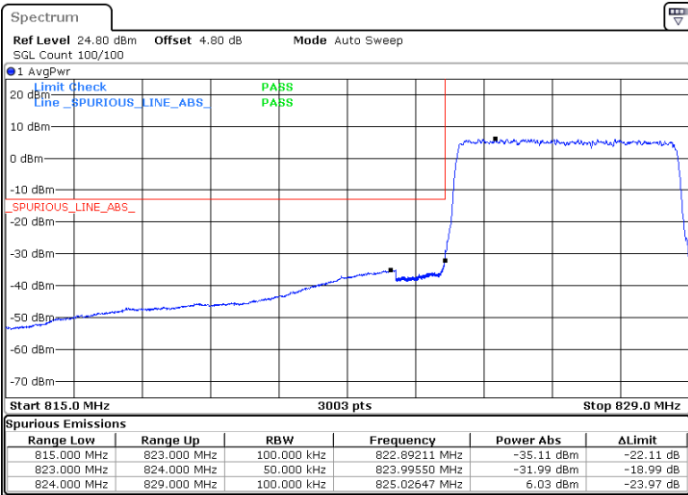
Date: 10 JUN.2022 19:24:06



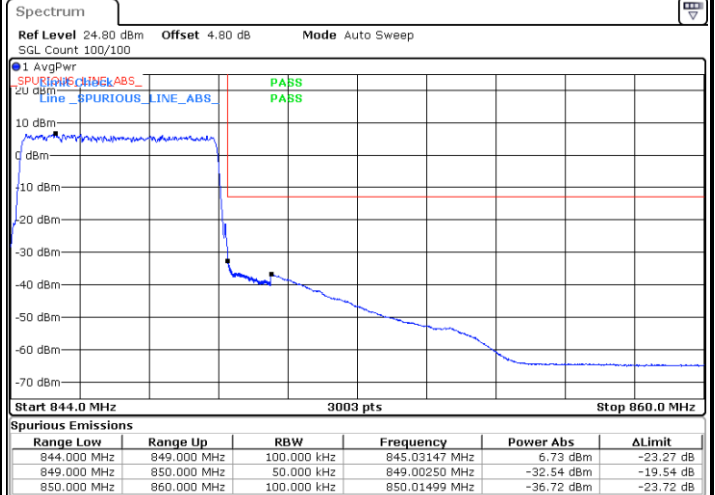
Date: 10 JUN.2022 19:39:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10 JUN.2022 19:29:43

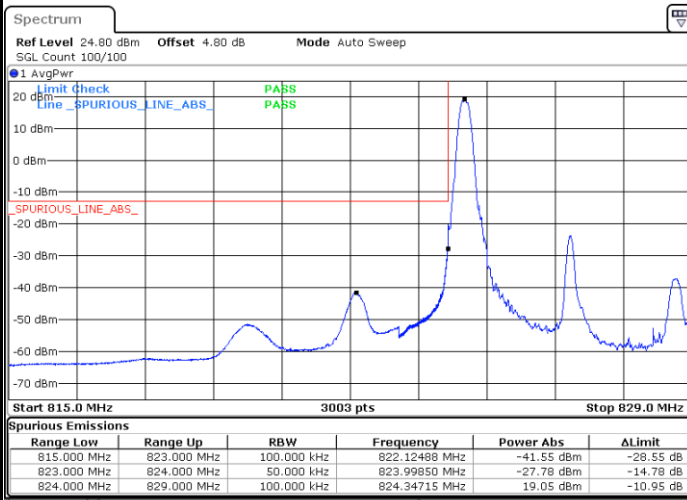


Date: 10 JUN.2022 19:45:10



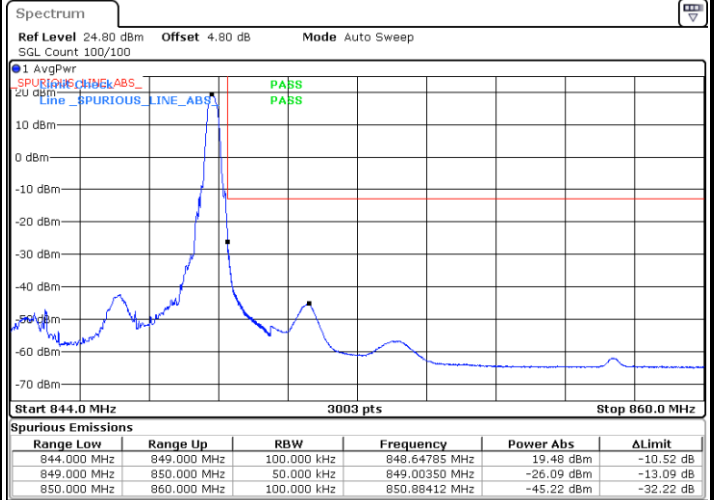
LTE Band 5 / 5MHz / 64QAM

Lowest Band Edge / 1RB



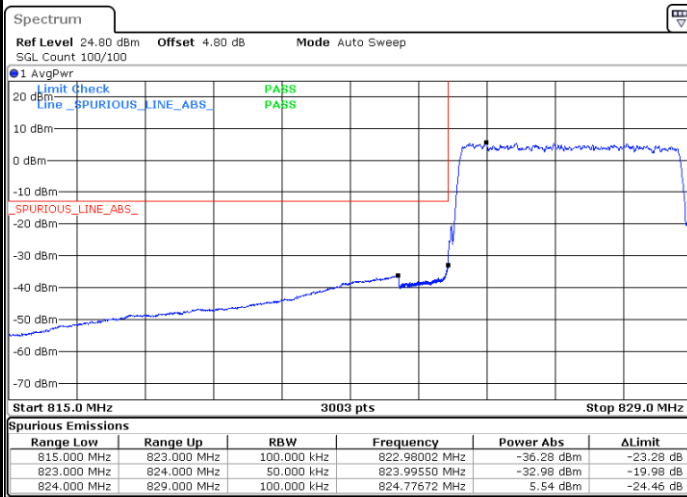
Date: 10 JUN.2022 19:25:58

Highest Band Edge / 1 RB



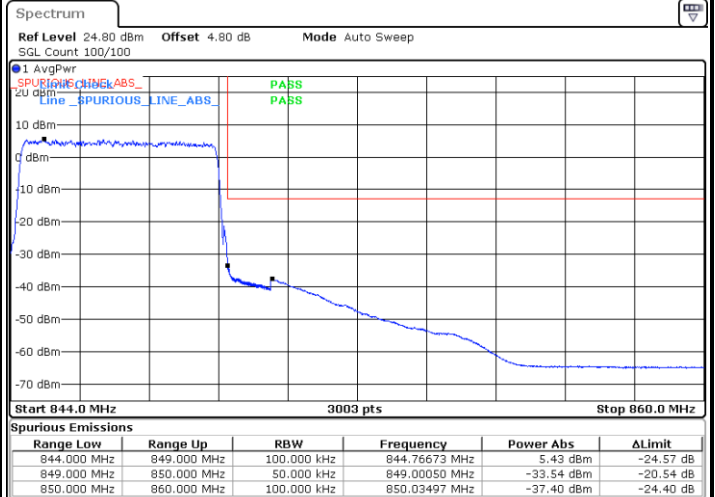
Date: 10 JUN.2022 19:41:25

Lowest Band Edge / Full RB



Date: 10 JUN.2022 19:31:35

Highest Band Edge / Full RB

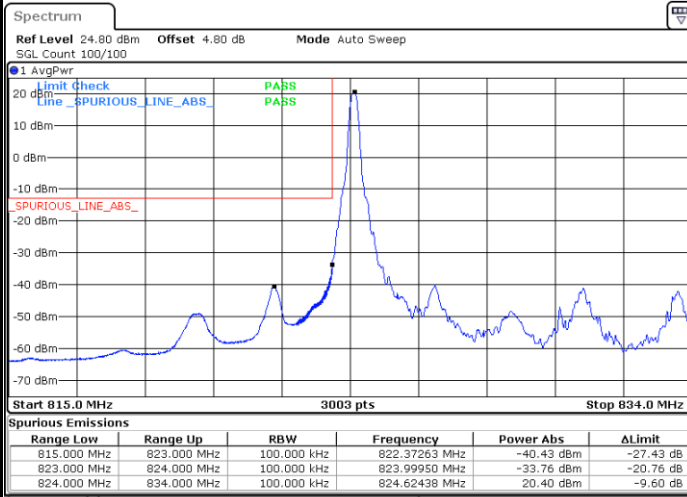


Date: 10 JUN.2022 19:47:02



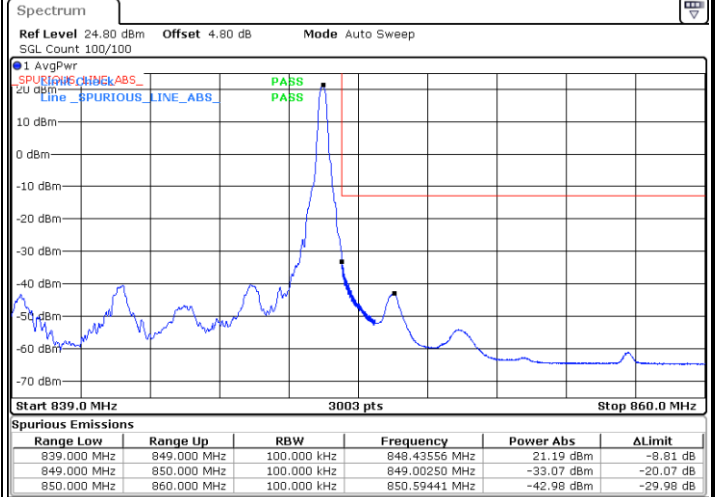
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



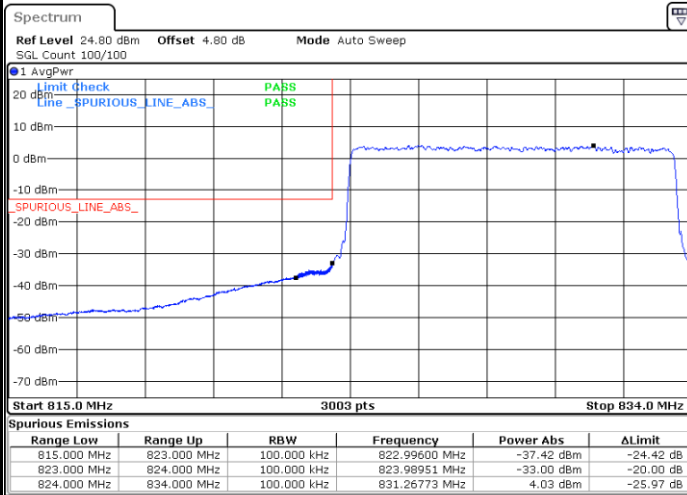
Date: 10 JUN 2022 19:51:02

Highest Band Edge / 1 RB



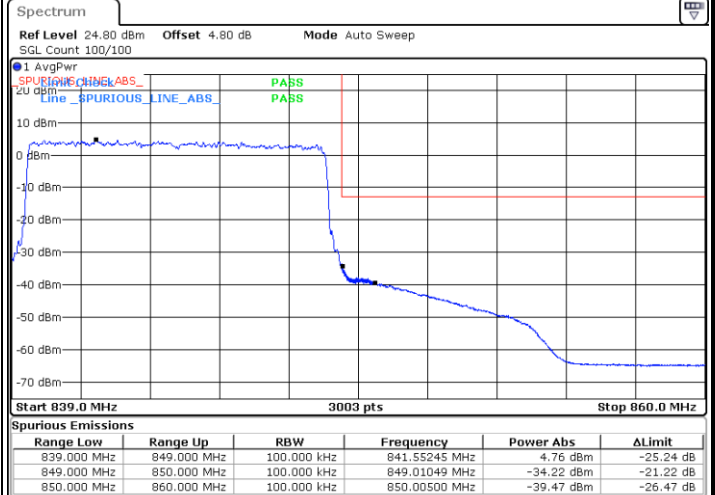
Date: 10 JUN 2022 20:06:29

Lowest Band Edge / Full RB



Date: 10 JUN 2022 19:56:39

Highest Band Edge / Full RB

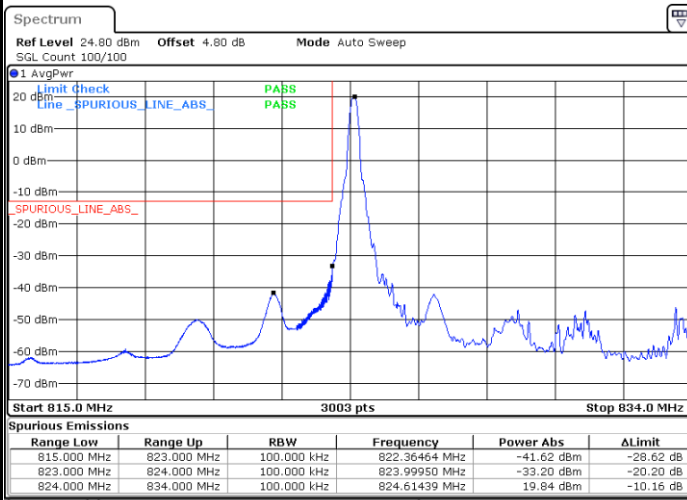


Date: 10 JUN 2022 20:12:06



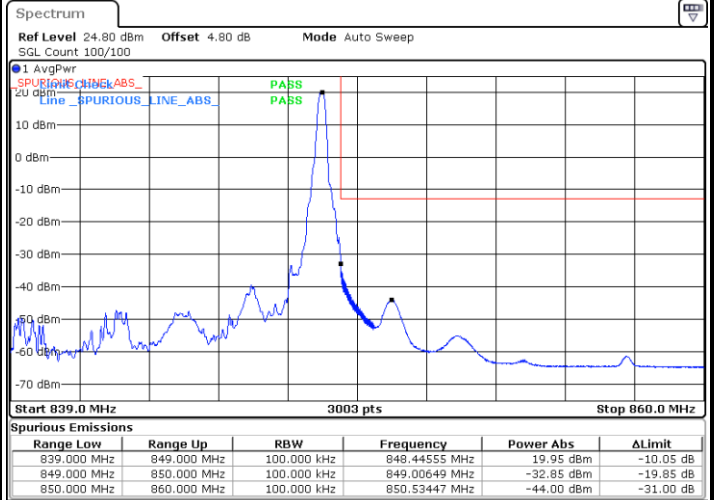
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



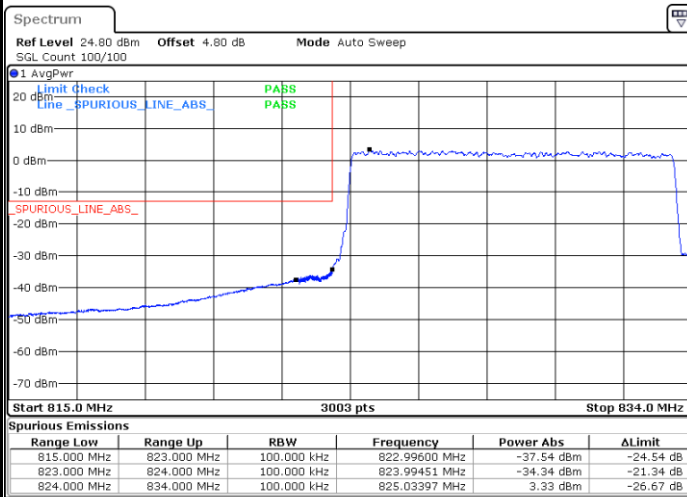
Date: 10 JUN.2022 19:52:54

Highest Band Edge / 1 RB



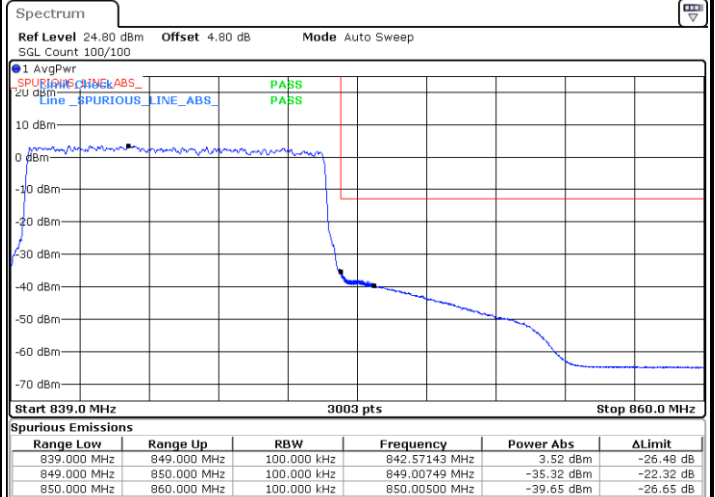
Date: 10 JUN.2022 20:08:21

Lowest Band Edge / Full RB



Date: 10 JUN.2022 19:58:31

Highest Band Edge / Full RB

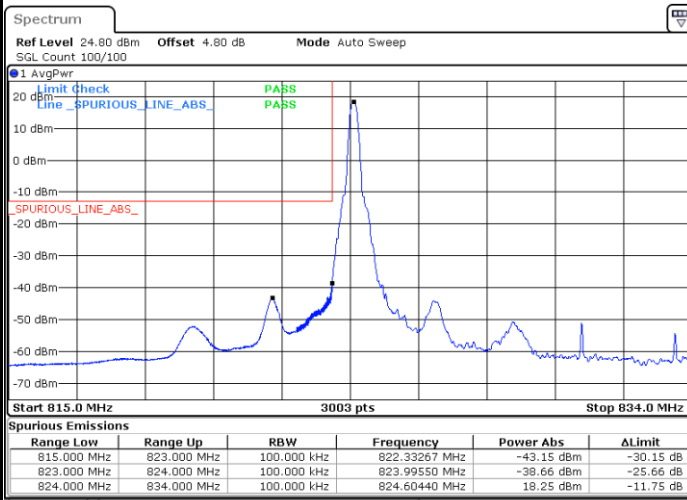


Date: 10 JUN.2022 20:18:48



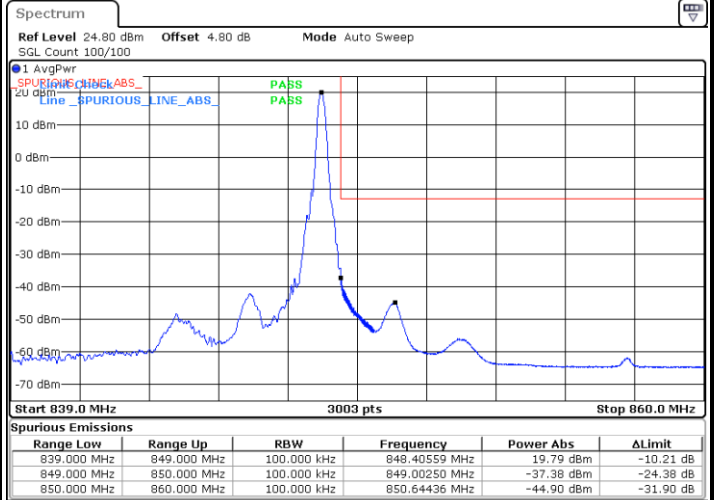
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



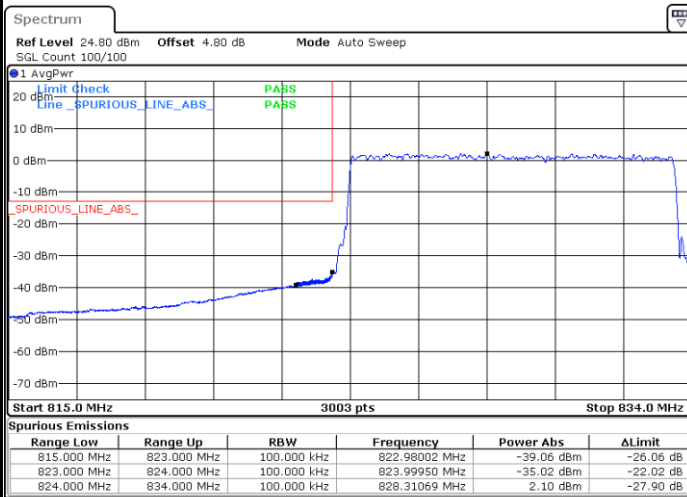
Date: 10 JUN 2022 19:54:46

Highest Band Edge / 1 RB



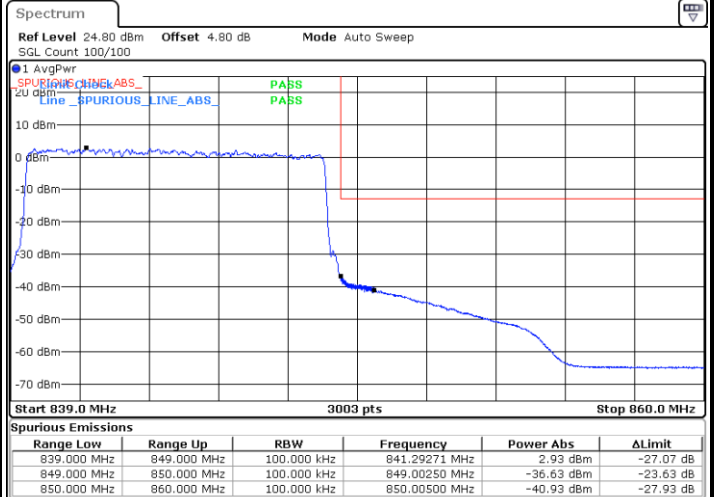
Date: 10 JUN 2022 20:10:13

Lowest Band Edge / Full RB



Date: 10 JUN 2022 20:00:24

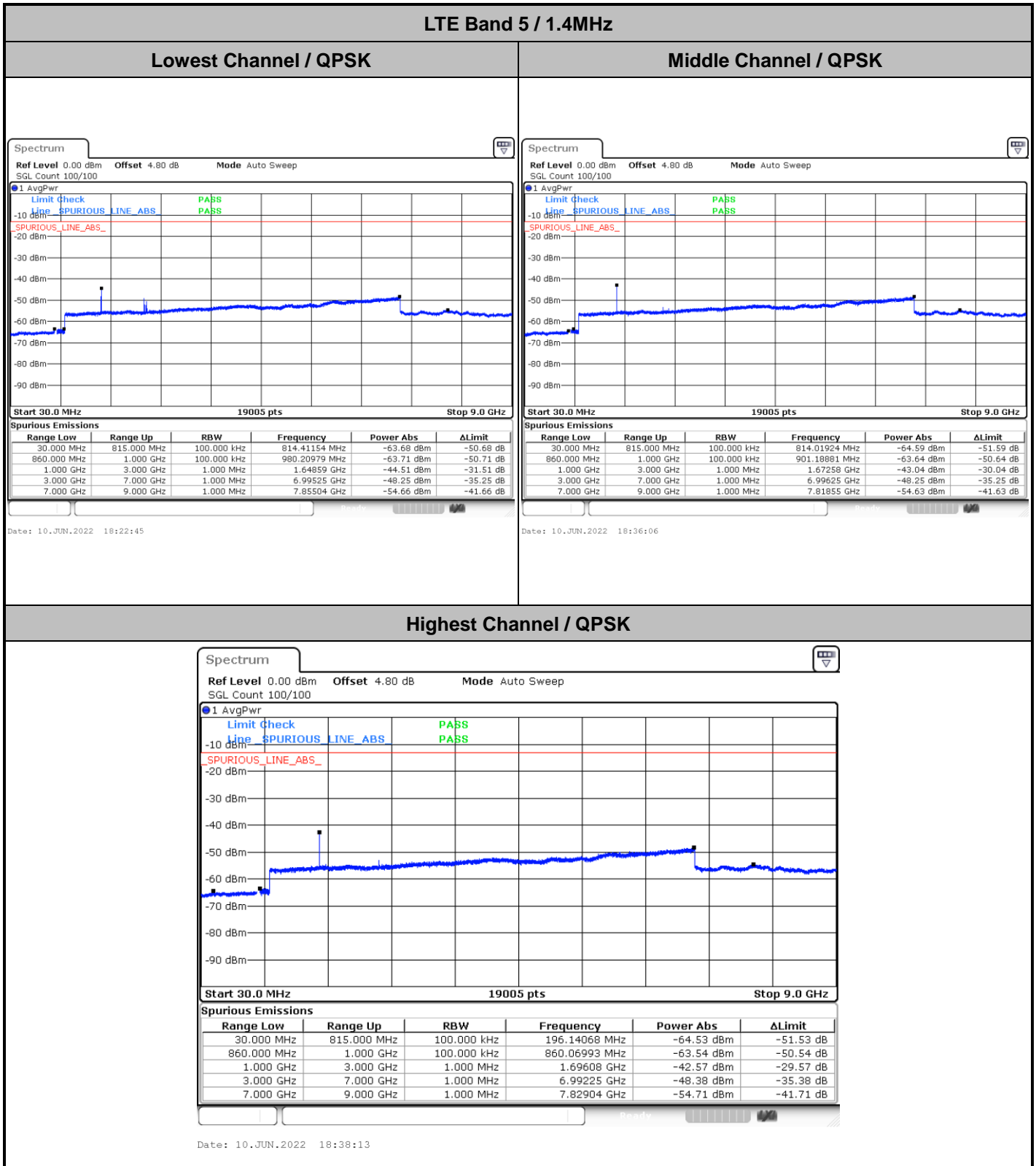
Highest Band Edge / Full RB



Date: 10 JUN 2022 20:20:41



# Conducted Spurious Emission

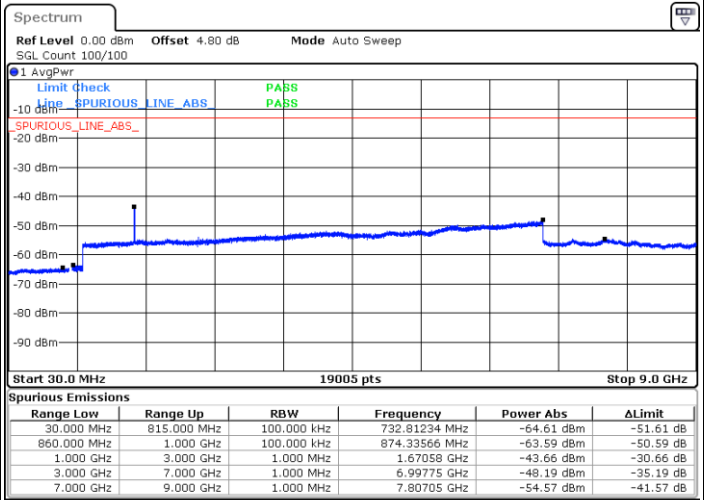
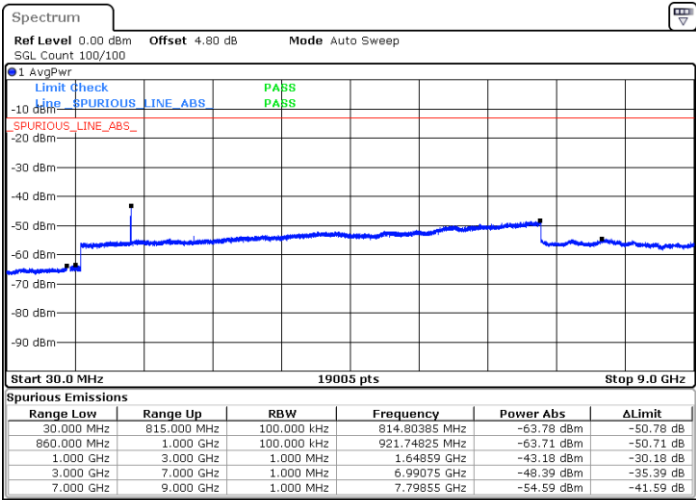




LTE Band 5 / 3MHz

Lowest Channel / QPSK

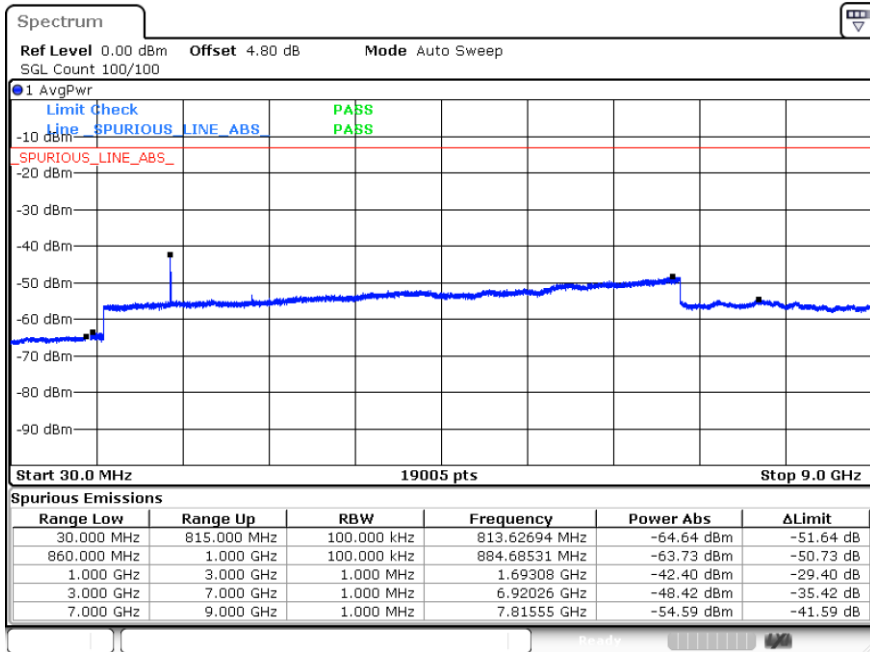
Middle Channel / QPSK



Date: 10.JUN.2022 18:51:34

Date: 10.JUN.2022 19:04:54

Highest Channel / QPSK



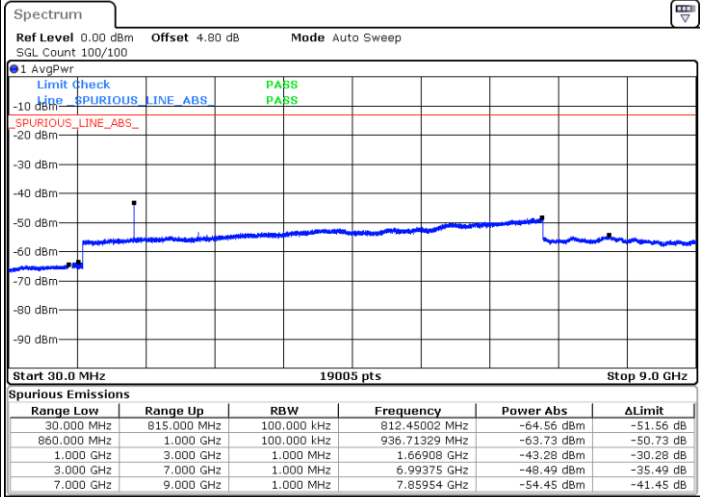
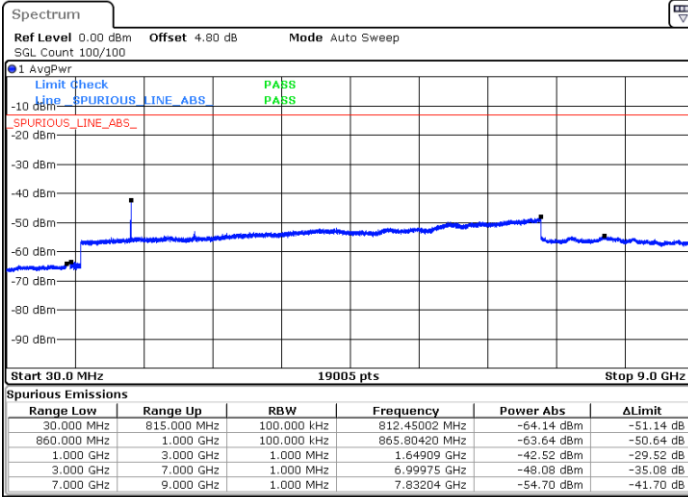
Date: 10.JUN.2022 19:07:00



LTE Band 5 / 5MHz

Lowest Channel / QPSK

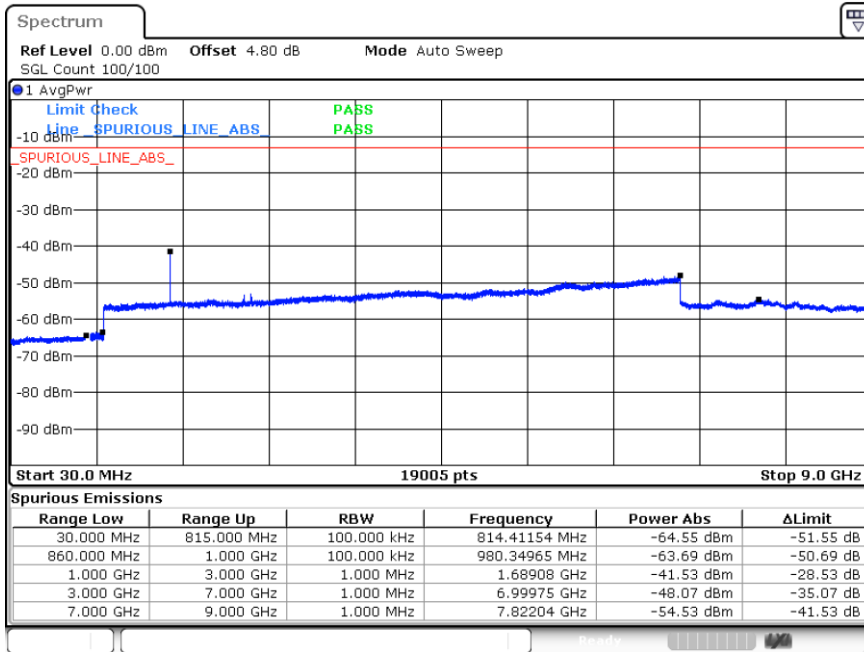
Middle Channel / QPSK



Date: 10.JUN.2022 19:20:21

Date: 10.JUN.2022 19:33:41

Highest Channel / QPSK



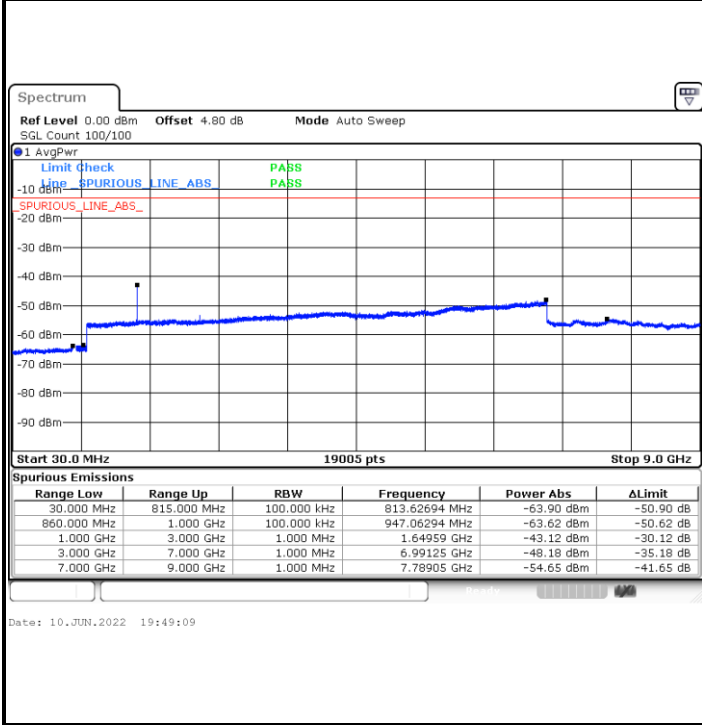
Date: 10.JUN.2022 19:35:49



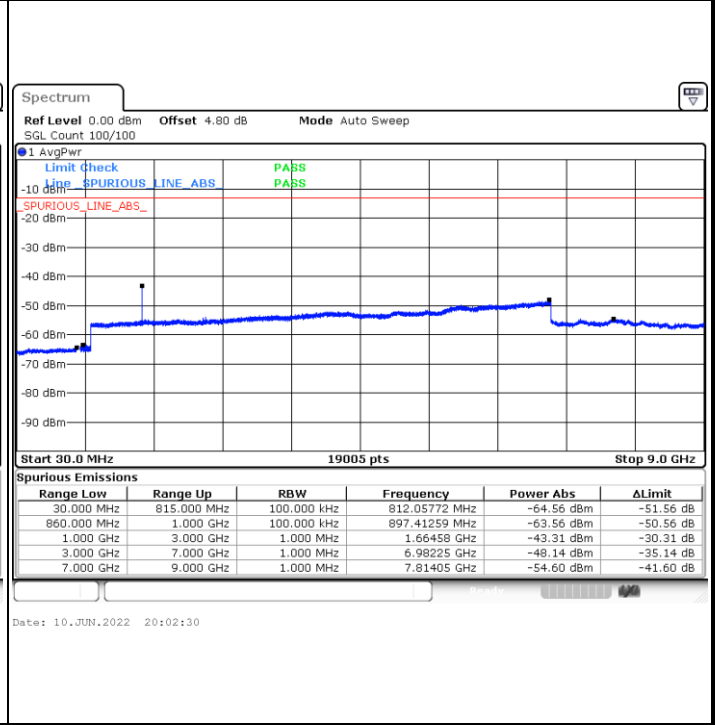


**LTE Band 5 / 10MHz**

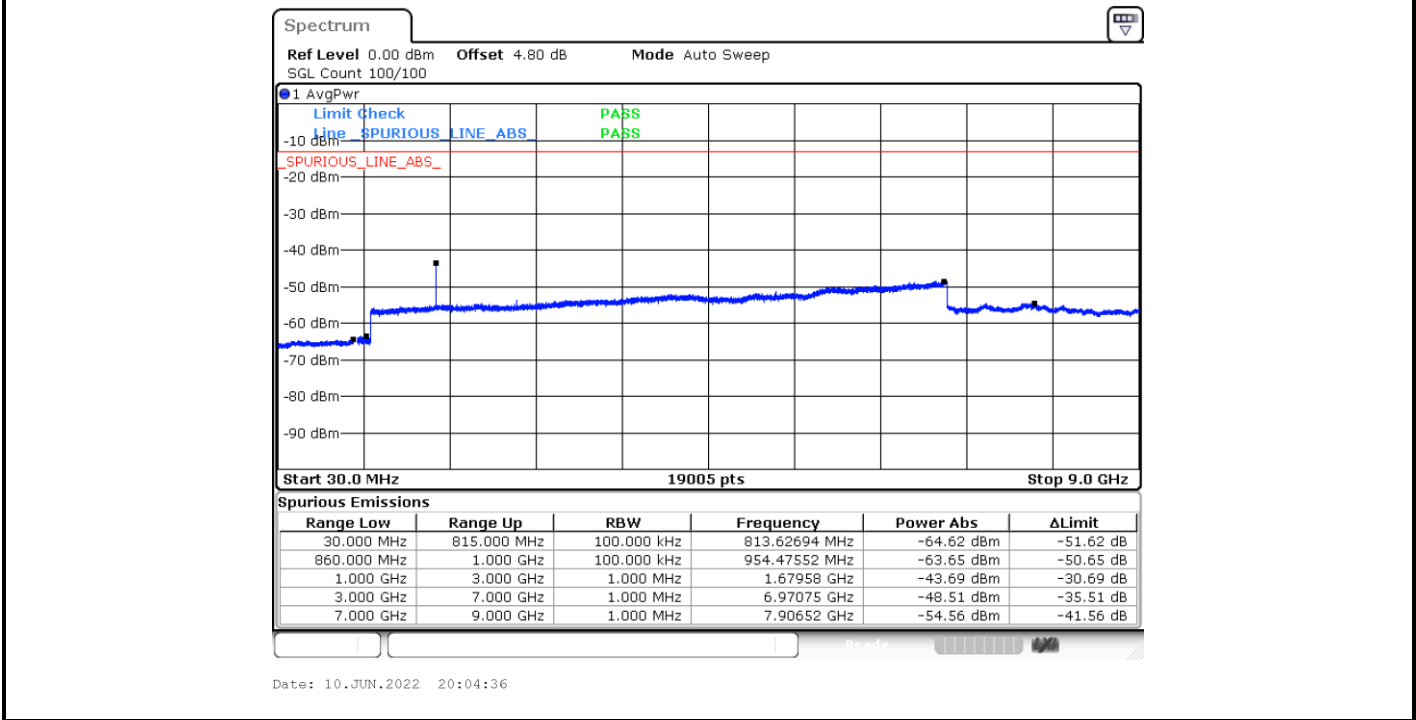
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**





Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0011	

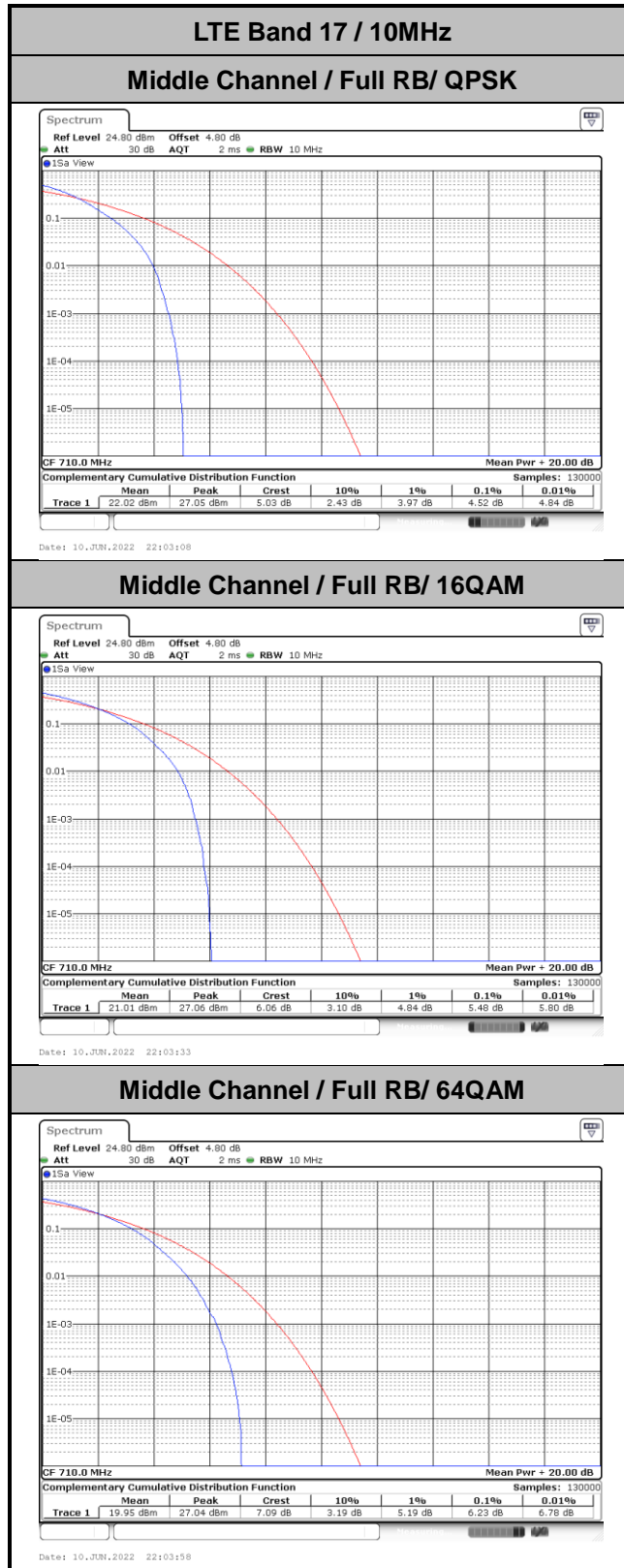
Note: Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.45 V.



## LTE Band 17

### Peak-to-Average Ratio

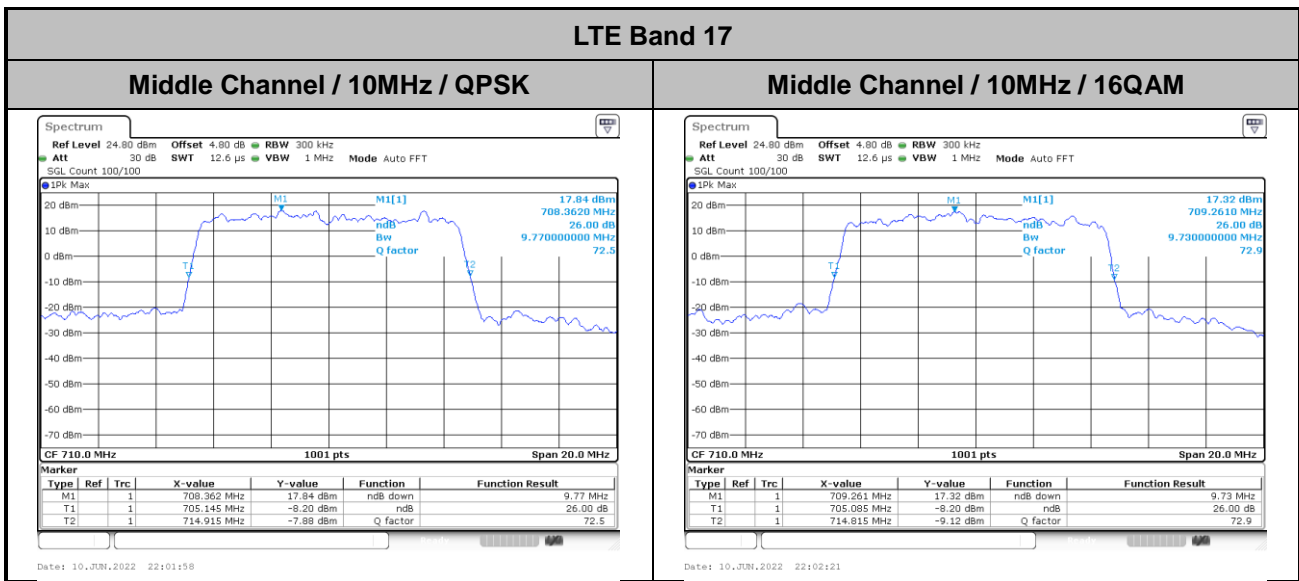
Mode	LTE Band 17 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.52	5.48	6.23	<b>PASS</b>





## 26dB Bandwidth

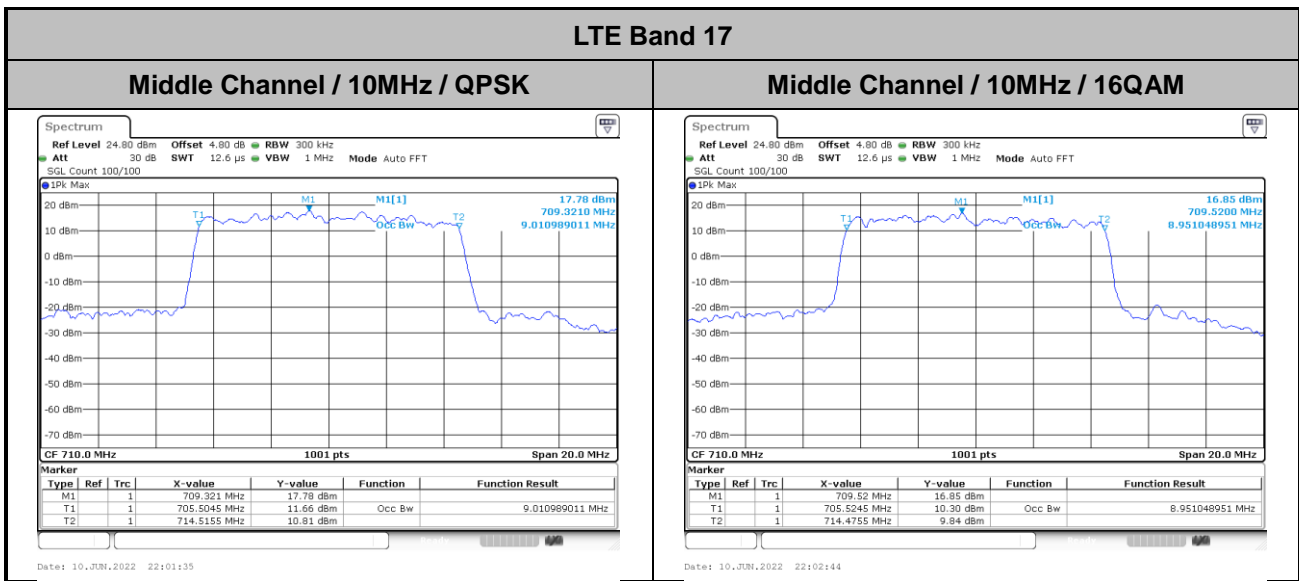
Mode	LTE Band 17 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.77	9.73





## Occupied Bandwidth

<b>Mode</b>	<b>LTE Band 17 : 99%OBW(MHz)</b>	
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.01	8.95

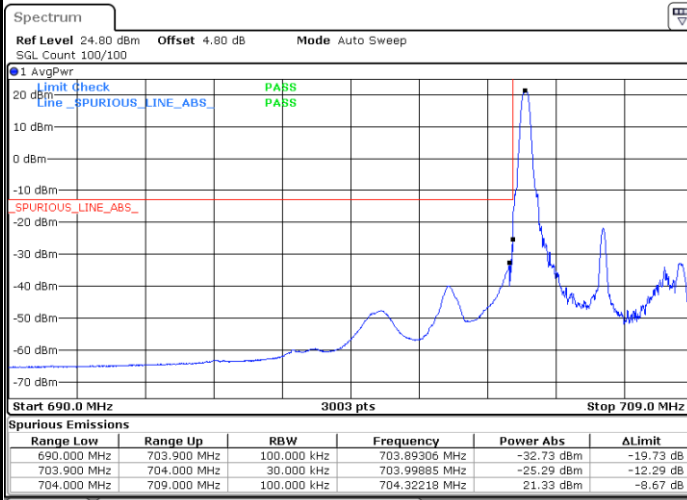




# Conducted Band Edge

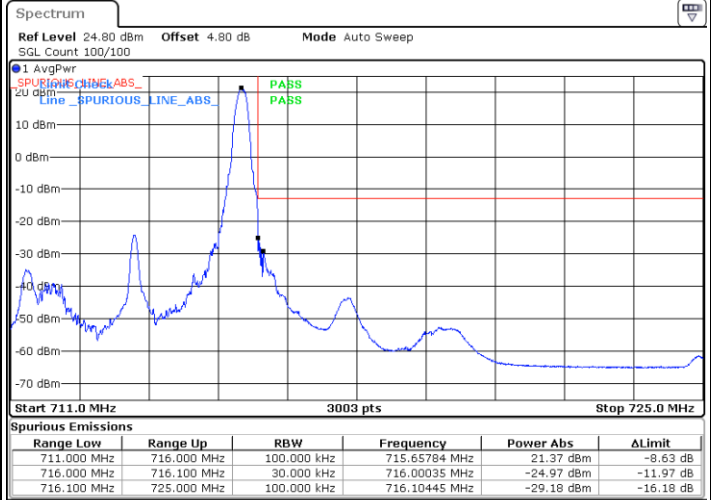
## LTE Band 17 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



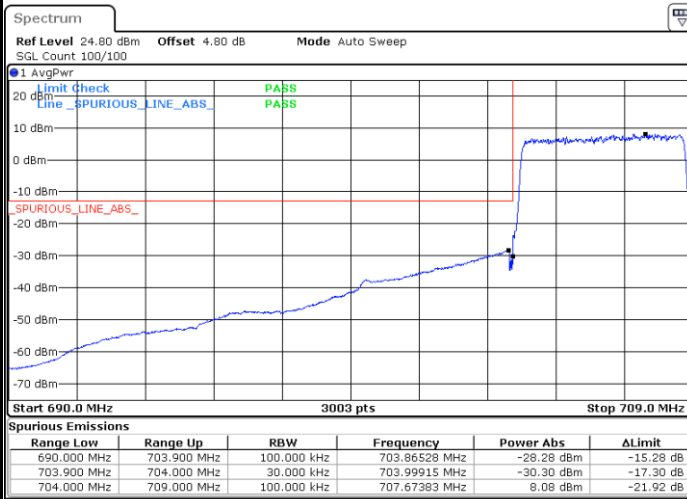
Date: 10 JUN 2022 21:23:47

### Highest Band Edge / 1 RB



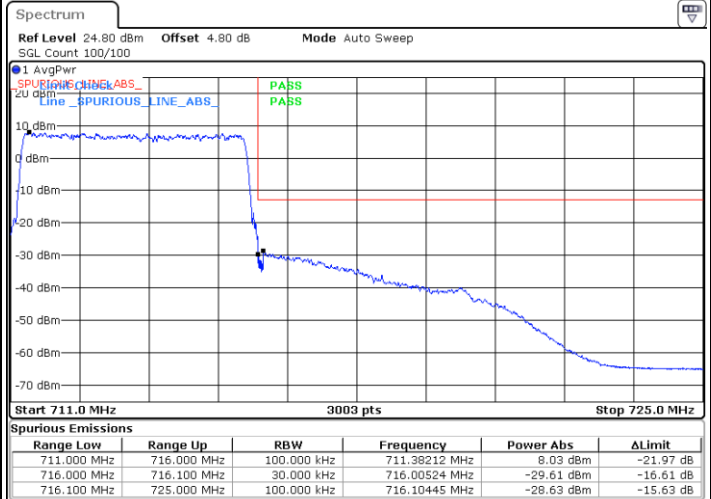
Date: 10 JUN 2022 21:31:29

### Lowest Band Edge / Full RB



Date: 10 JUN 2022 21:16:53

### Highest Band Edge / Full RB

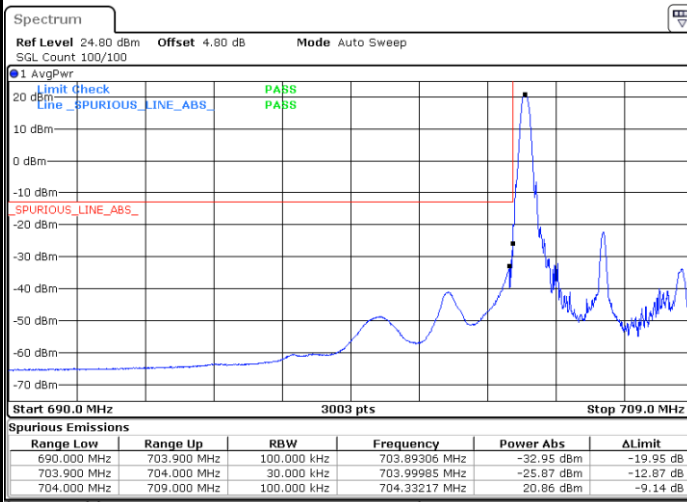


Date: 10 JUN 2022 21:38:21



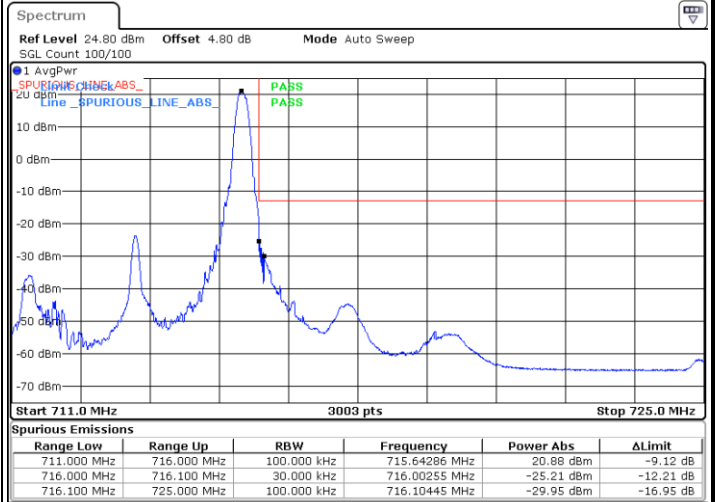
LTE Band 17 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



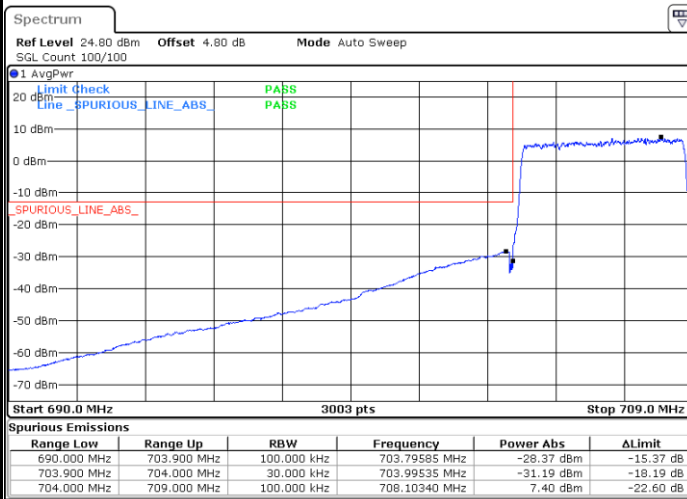
Date: 10 JUN 2022 21:22:24

Highest Band Edge / 1 RB



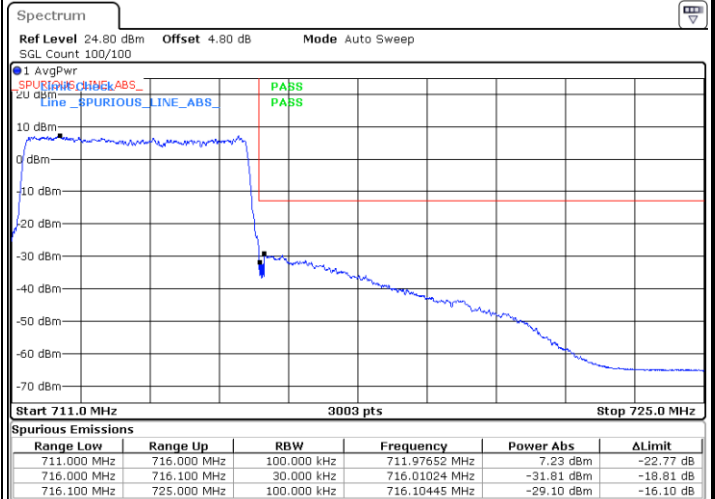
Date: 10 JUN 2022 21:32:52

Lowest Band Edge / Full RB



Date: 10 JUN 2022 21:18:17

Highest Band Edge / Full RB



Date: 10 JUN 2022 21:36:59