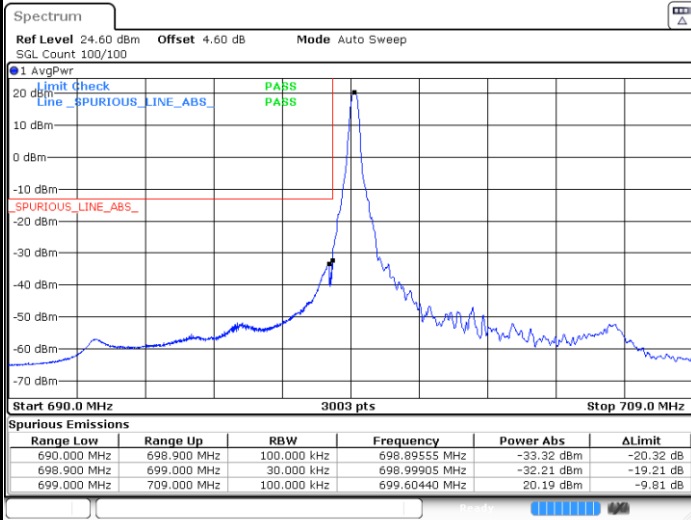




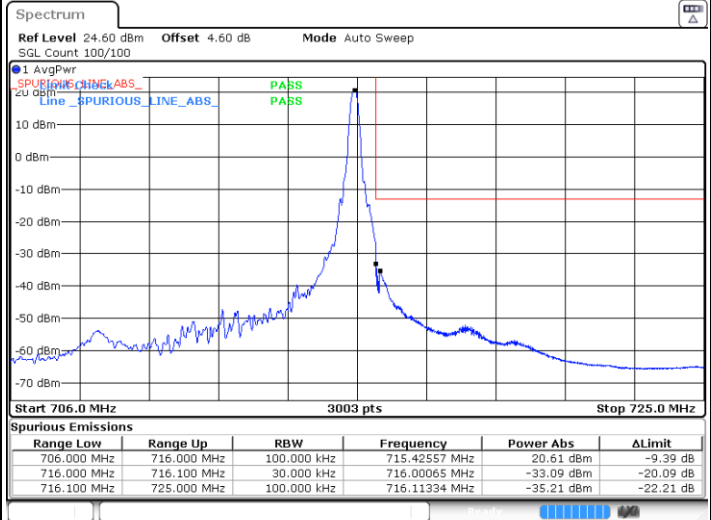
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



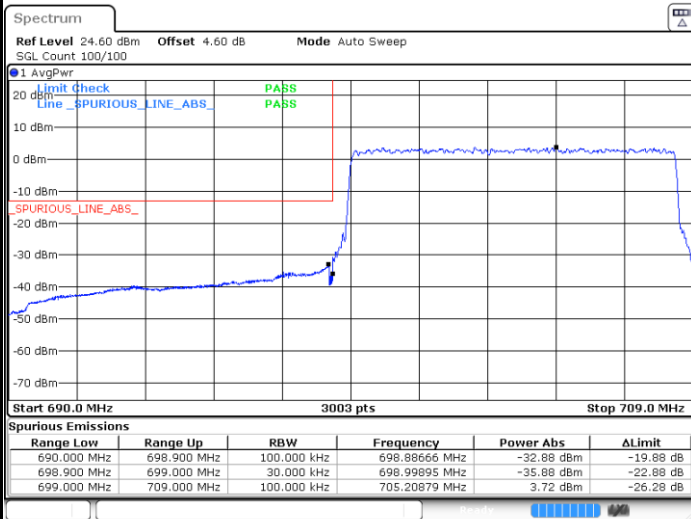
Date: 4 NOV. 2022 23:45:05

Highest Band Edge / 1 RB



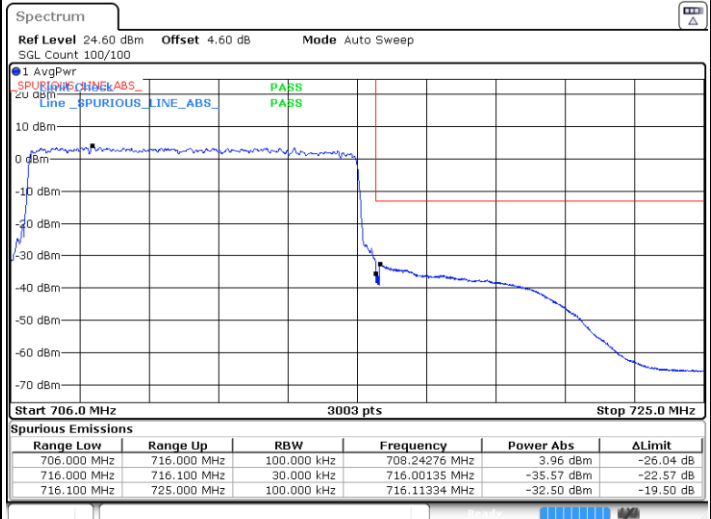
Date: 4 NOV. 2022 23:57:43

Lowest Band Edge / Full RB



Date: 4 NOV. 2022 23:53:24

Highest Band Edge / Full RB

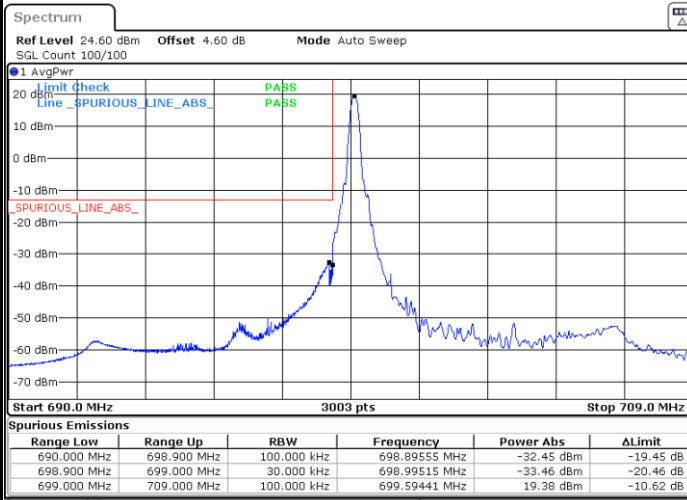


Date: 5 NOV. 2022 00:06:02



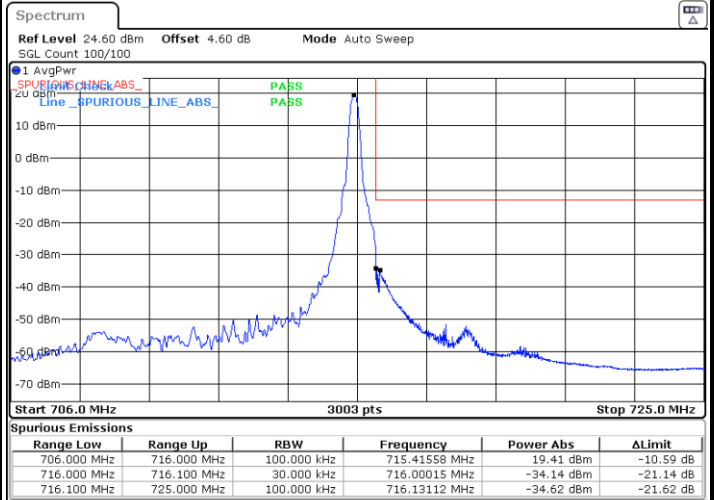
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



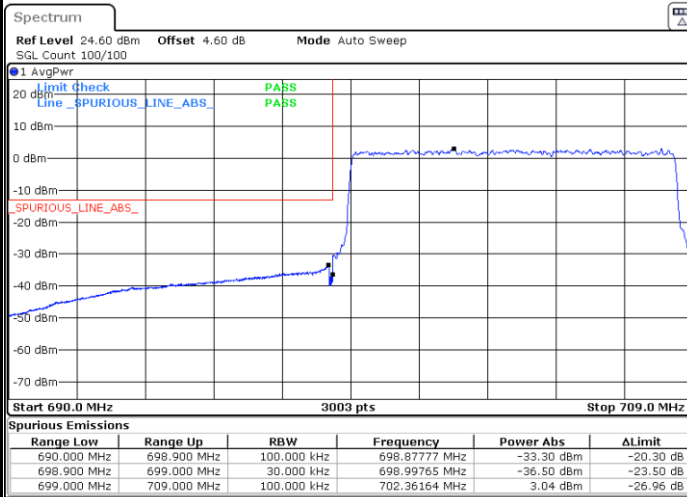
Date: 4 NOV.2022 23:46:45

Highest Band Edge / 1 RB



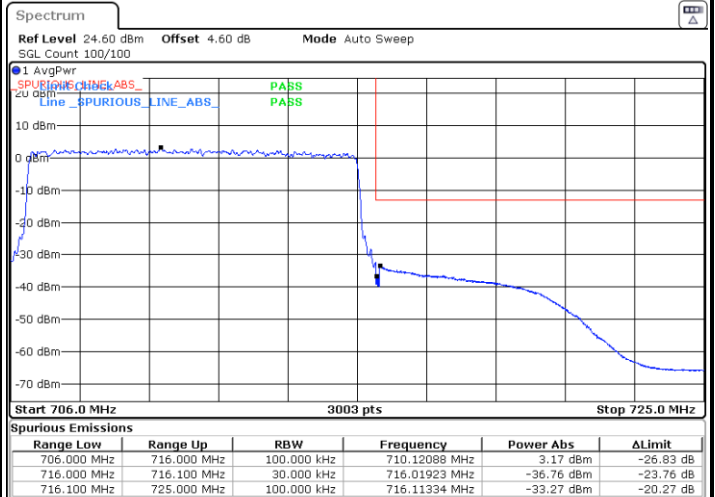
Date: 4 NOV.2022 23:59:23

Lowest Band Edge / Full RB



Date: 4 NOV.2022 23:51:44

Highest Band Edge / Full RB

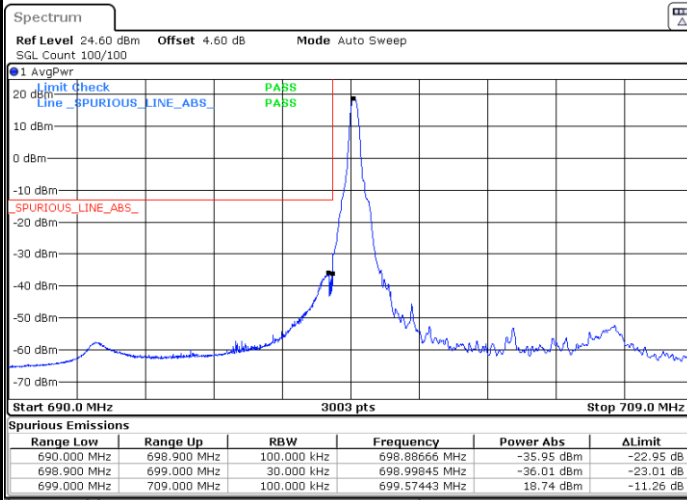


Date: 5 NOV.2022 00:04:22



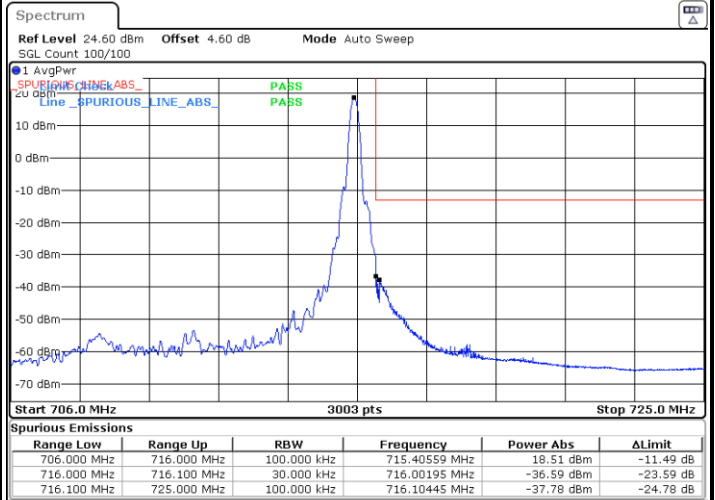
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



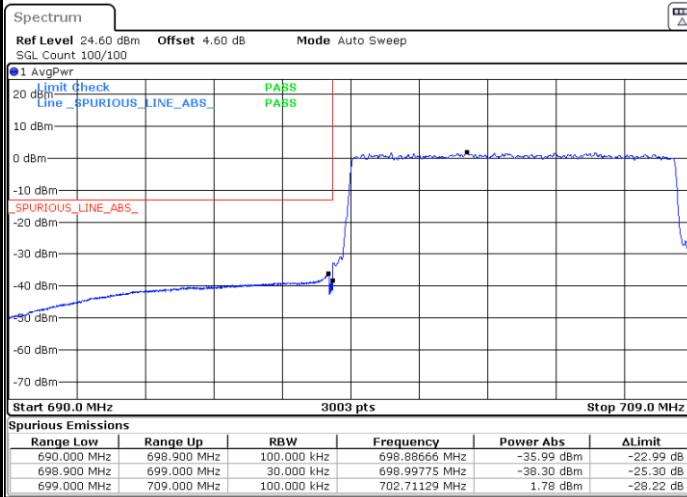
Date: 4 NOV. 2022 23:48:25

Highest Band Edge / 1 RB



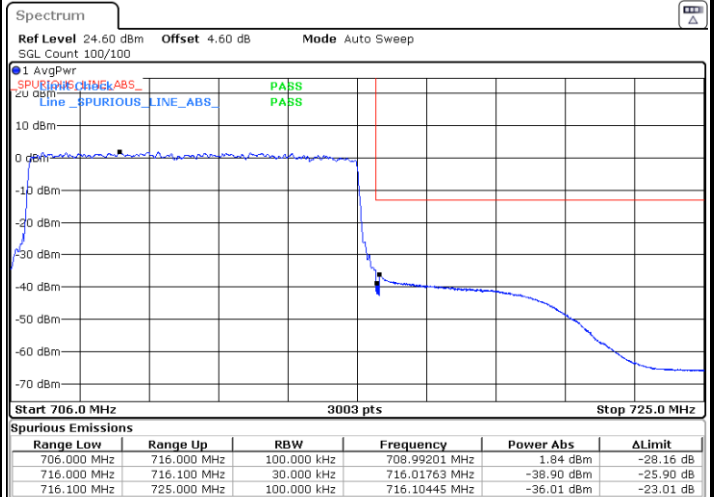
Date: 5 NOV. 2022 00:01:03

Lowest Band Edge / Full RB



Date: 4 NOV. 2022 23:50:04

Highest Band Edge / Full RB

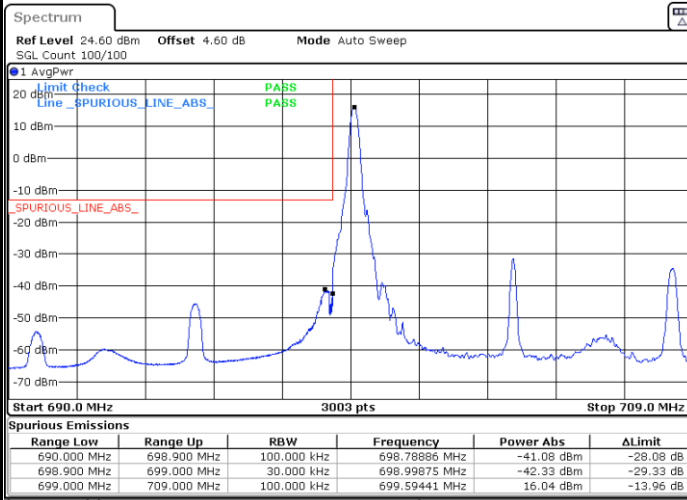


Date: 5 NOV. 2022 00:02:43



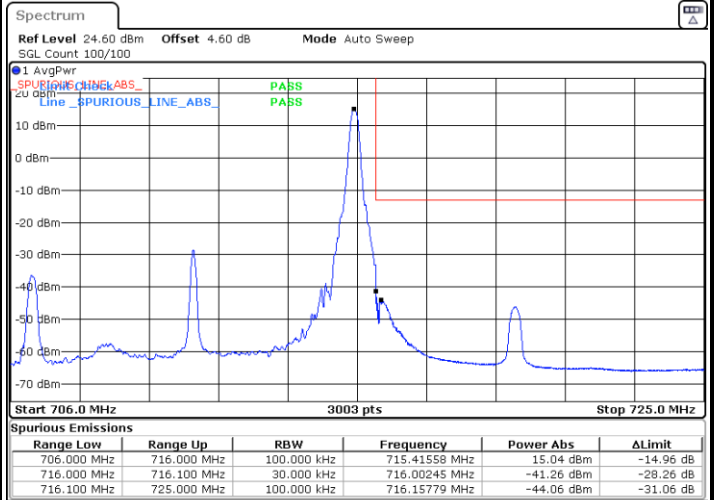
LTE Band 12 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



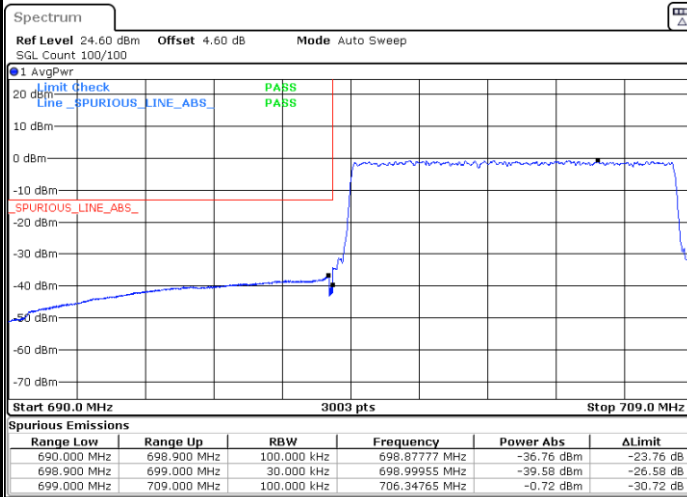
Date: 5 NOV. 2022 01:48:22

Highest Band Edge / 1 RB



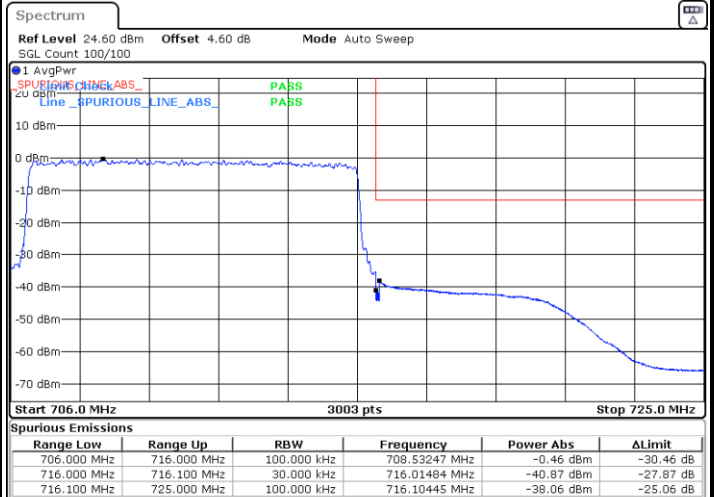
Date: 5 NOV. 2022 01:51:12

Lowest Band Edge / Full RB



Date: 5 NOV. 2022 01:47:06

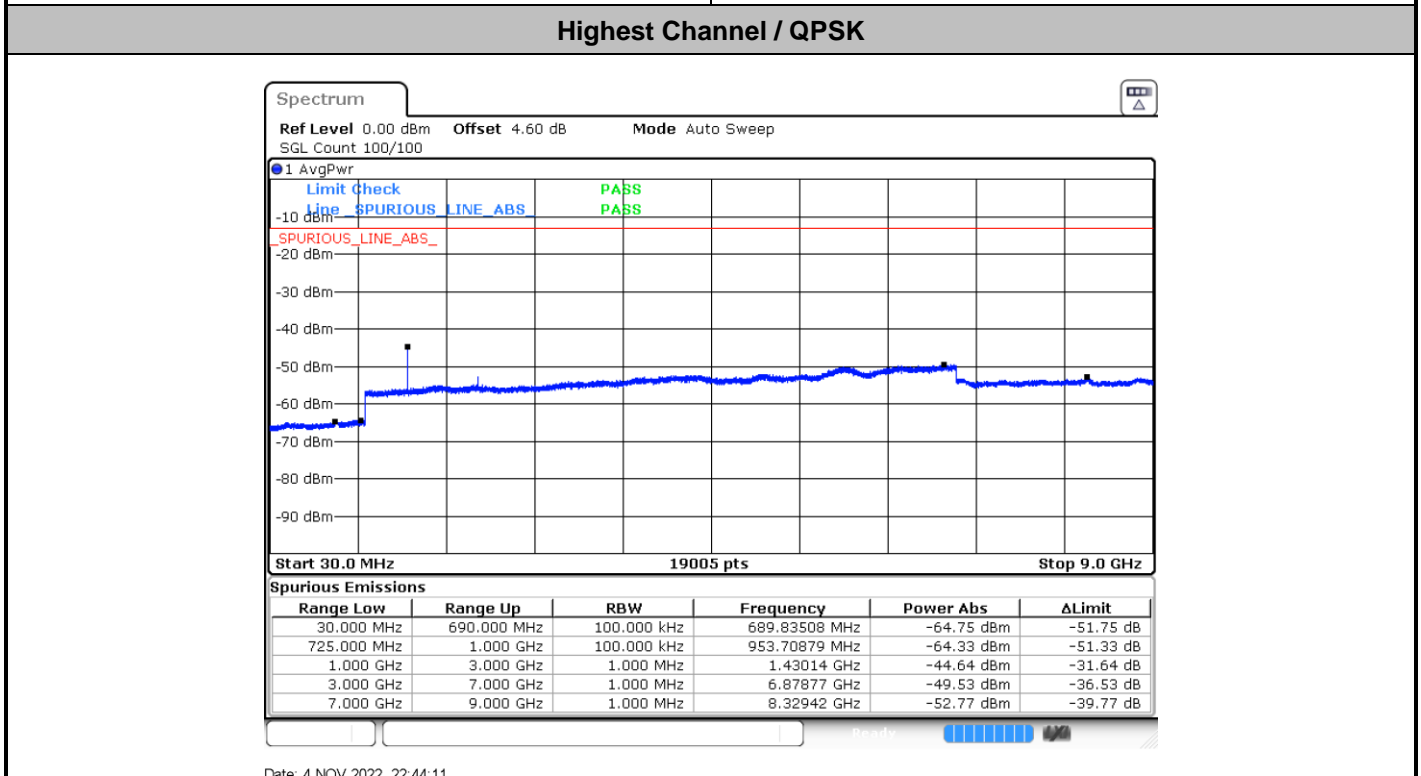
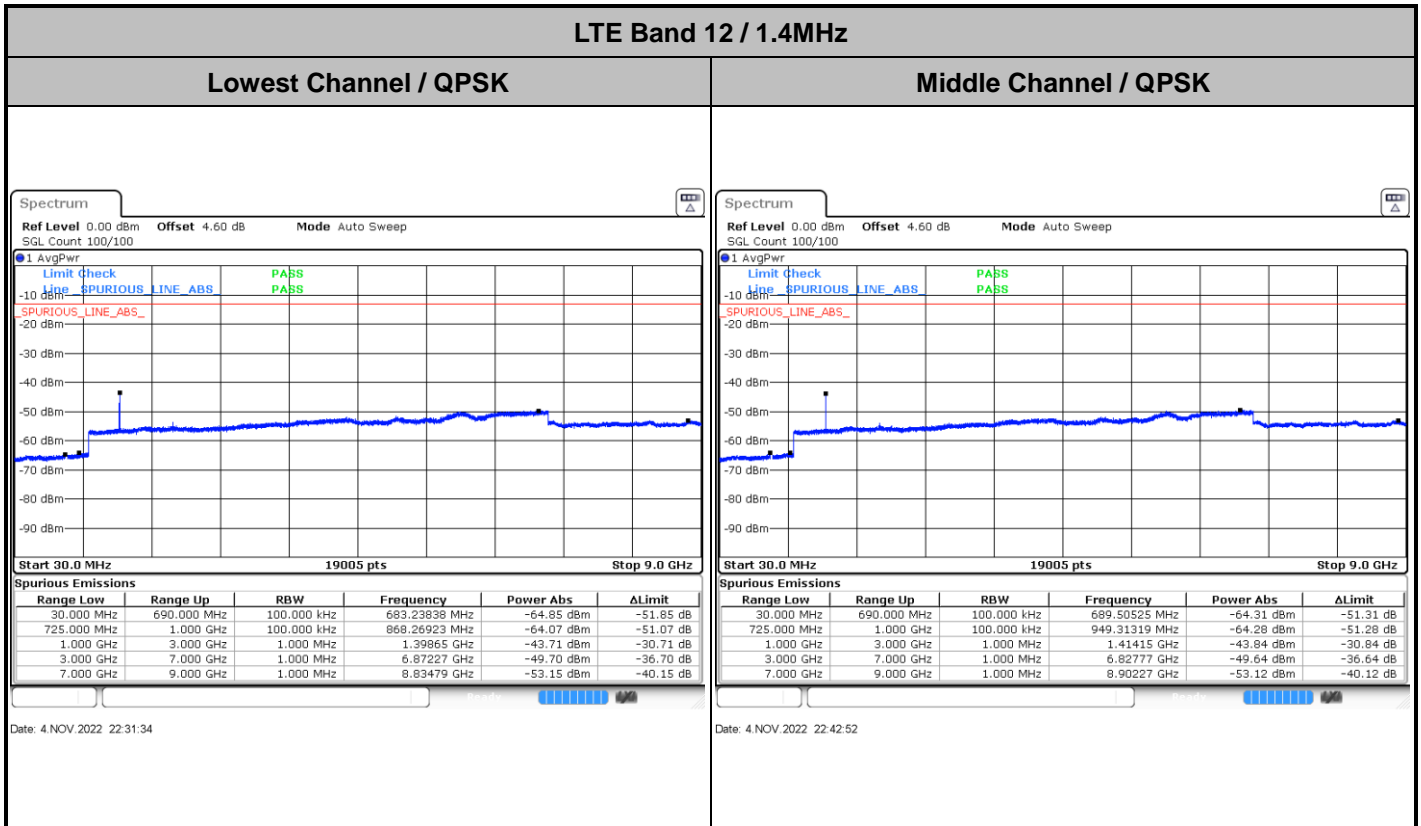
Highest Band Edge / Full RB



Date: 5 NOV. 2022 01:49:31



# Conducted Spurious Emission

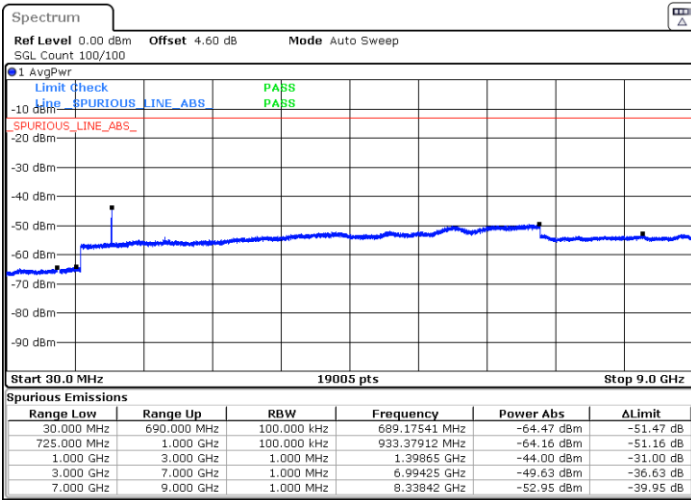




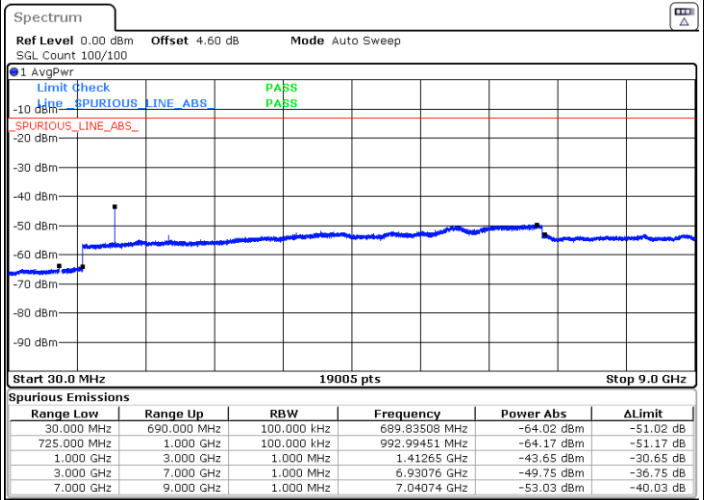
LTE Band 12 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

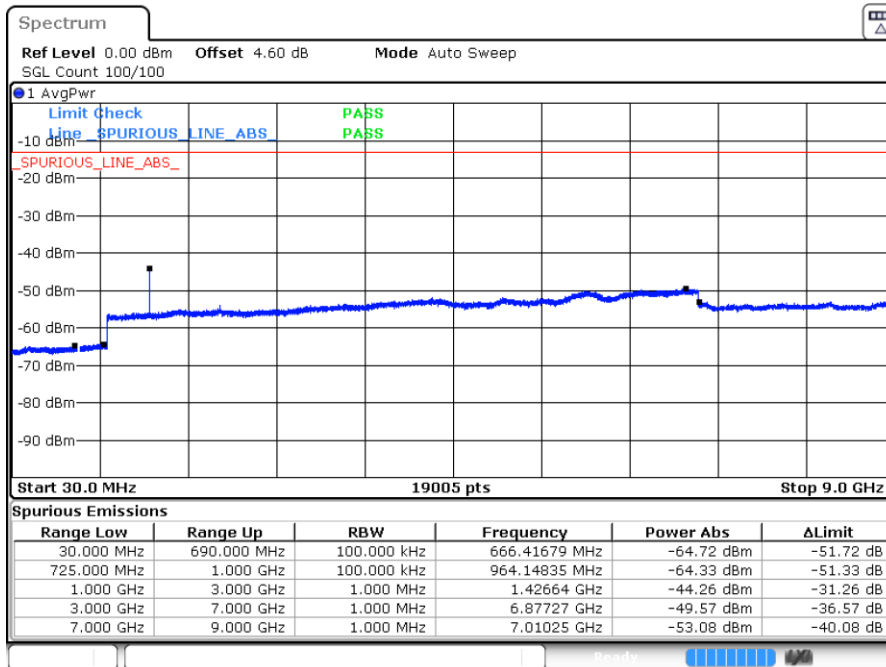


Date: 4 NOV 2022 22:55:31



Date: 4 NOV 2022 23:06:49

Highest Channel / QPSK



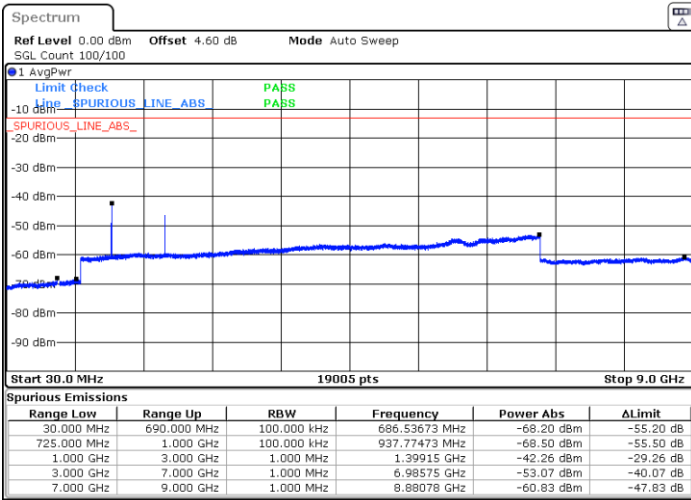
Date: 4 NOV 2022 23:08:08



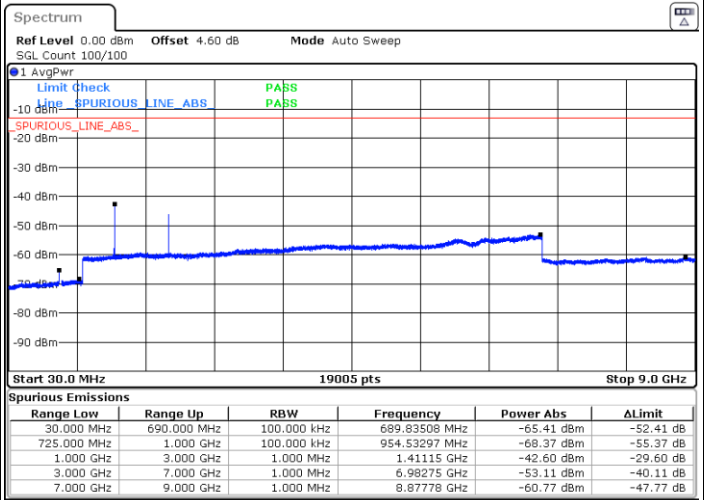
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

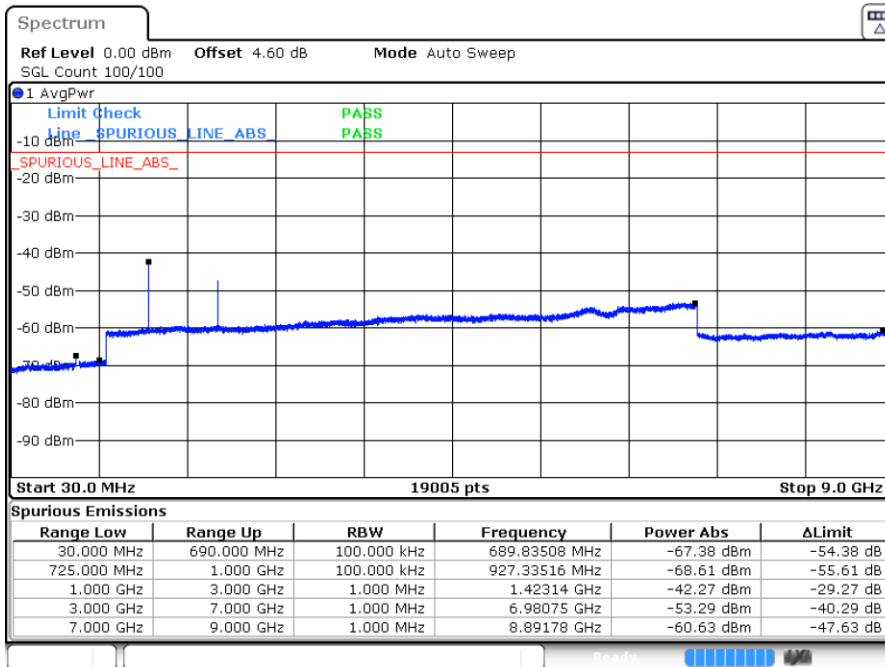


Date: 4 NOV 2022 23:19:27



Date: 4 NOV 2022 23:30:46

Highest Channel / QPSK



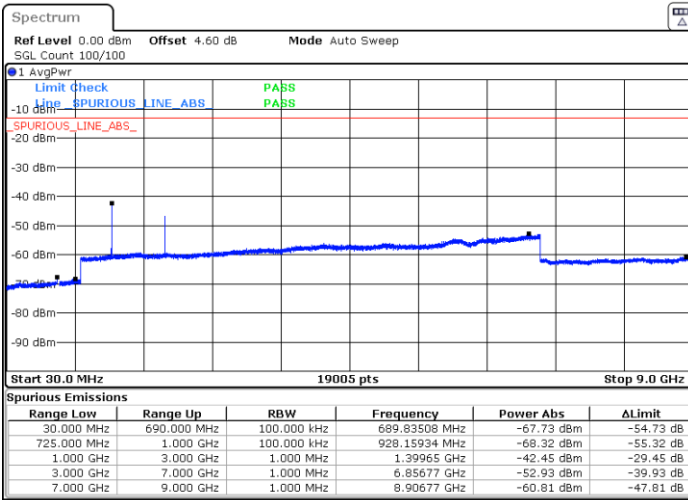
Date: 4 NOV 2022 23:32:06



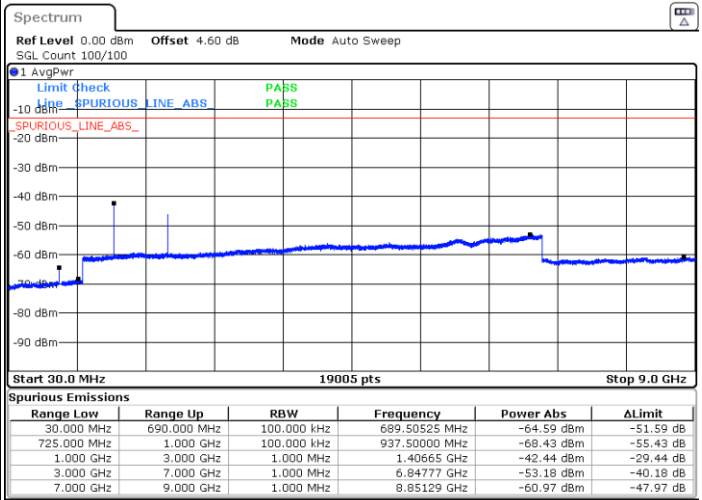
LTE Band 12 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

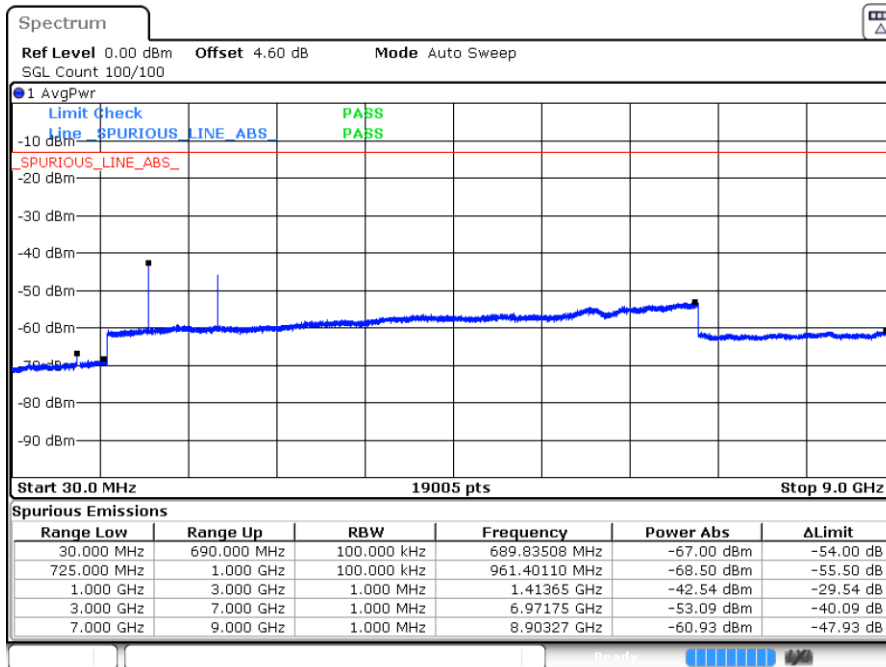


Date: 4 NOV 2022 23:43:25



Date: 4 NOV 2022 23:54:44

Highest Channel / QPSK



Date: 4 NOV 2022 23:56:03





Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

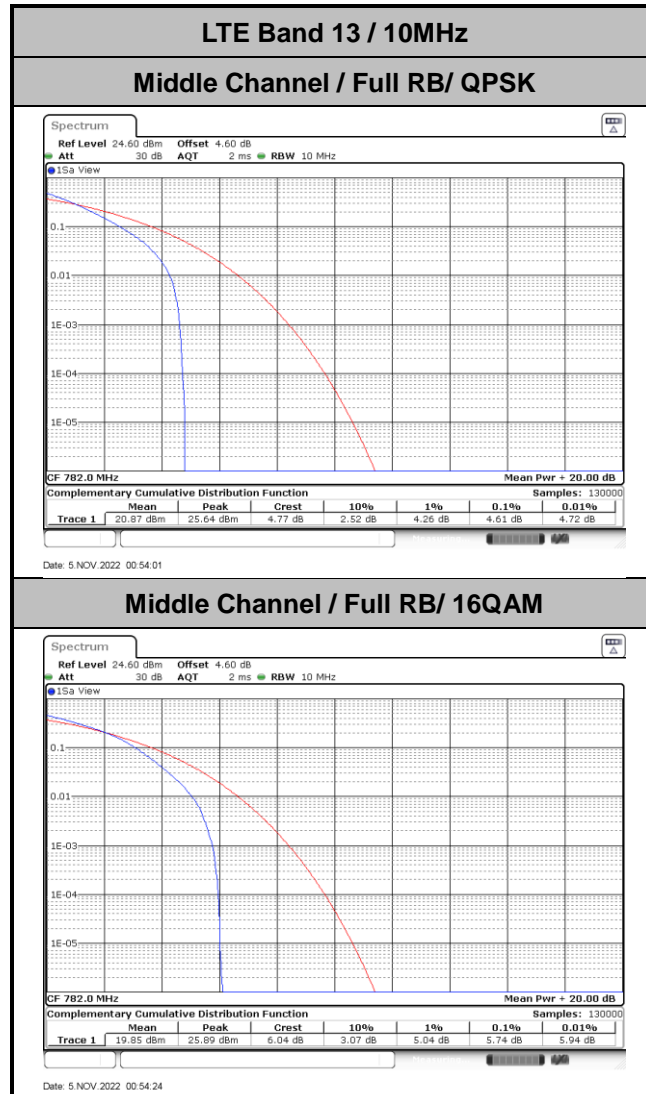
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

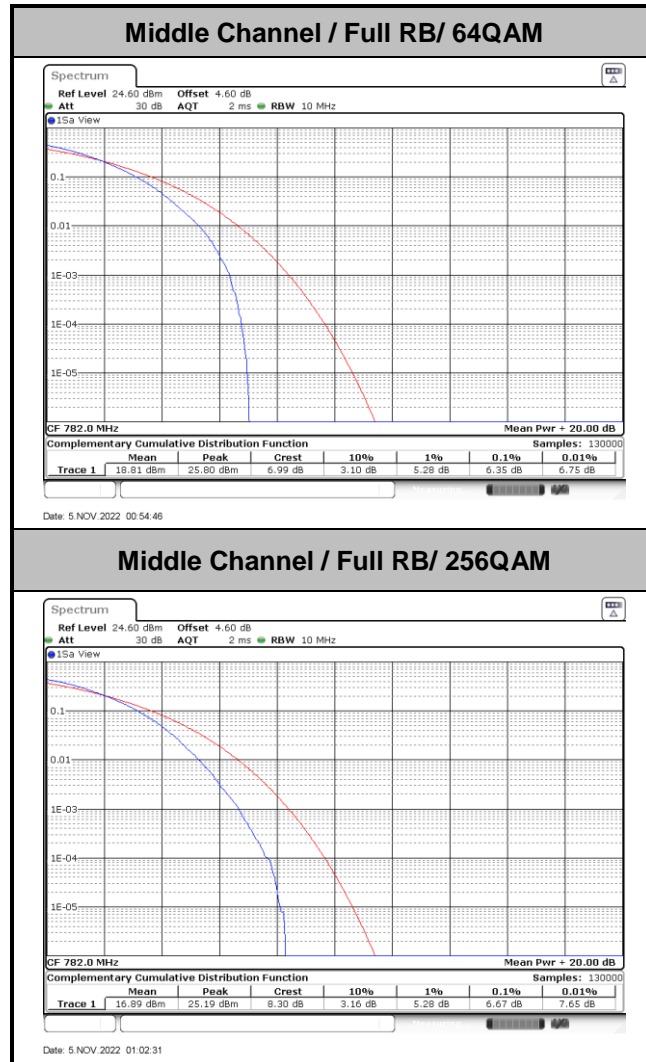


# LTE Band 13

## Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.61	5.74	6.35	6.67	PASS

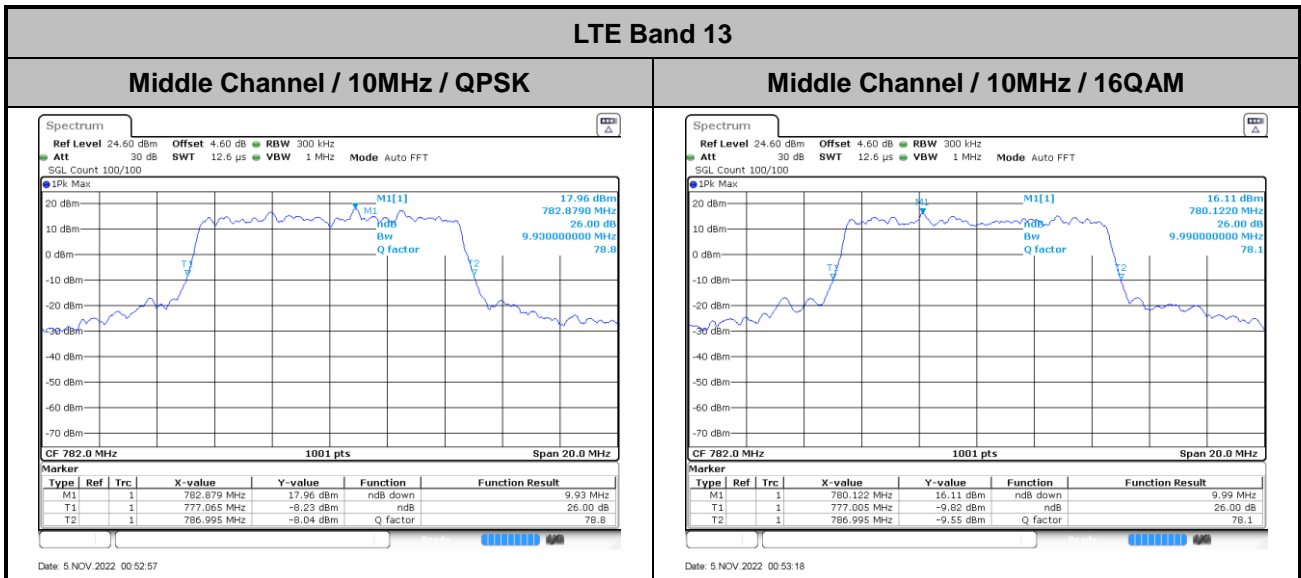






**26dB Bandwidth**

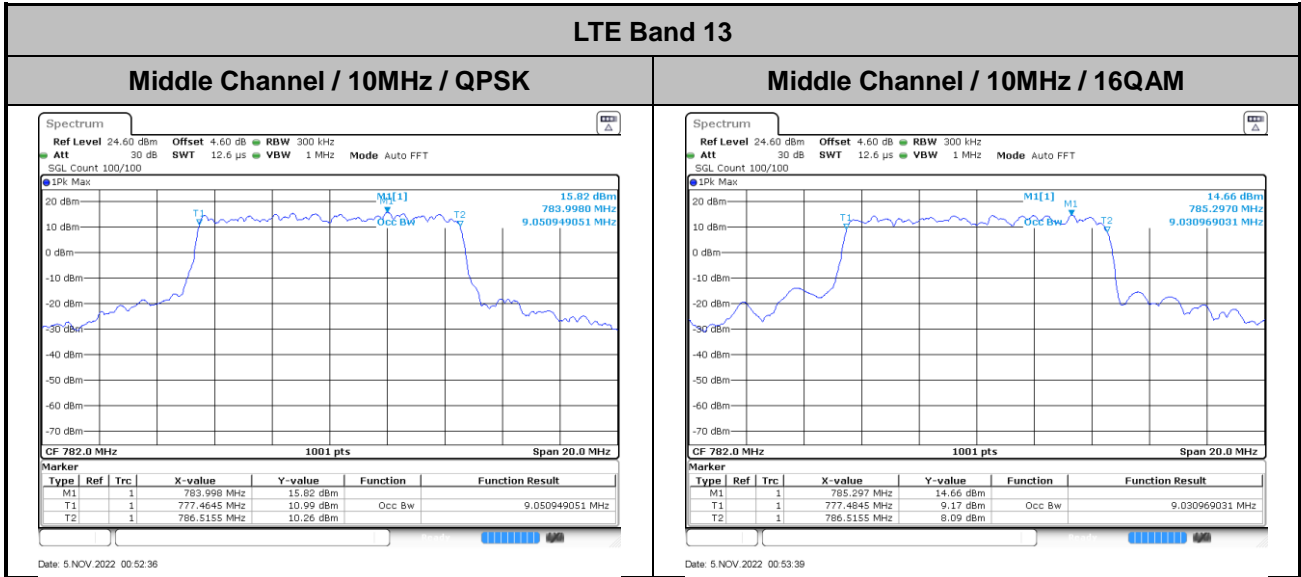
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.93	9.99





# Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.03

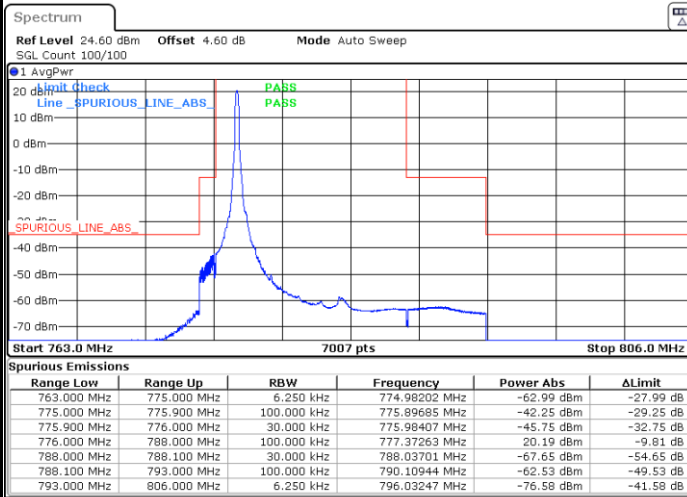




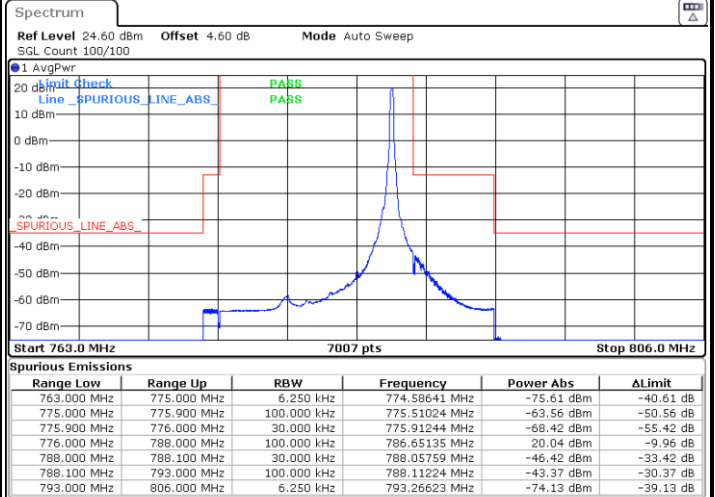
# Conducted Band Edge

## LTE Band 13 / 5MHz / QPSK

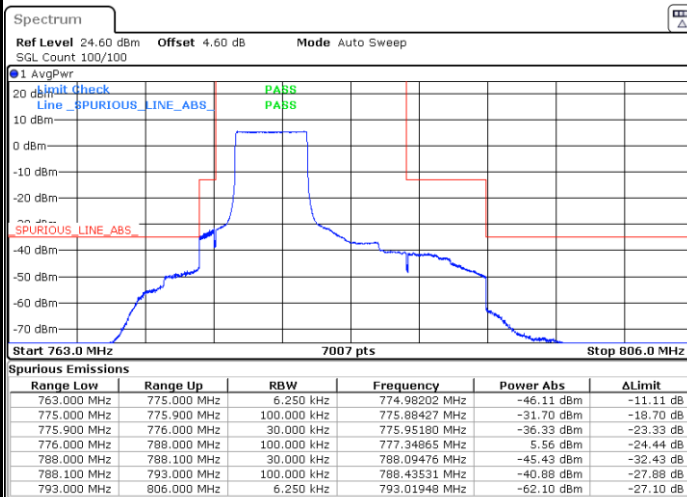
### Lowest Band Edge / 1 RB



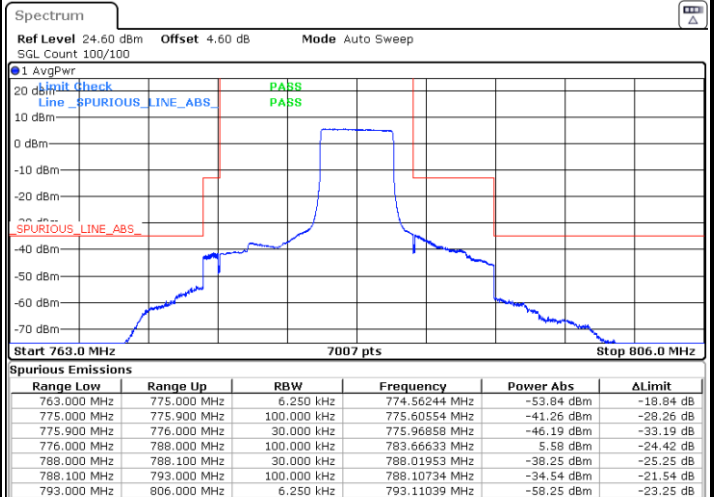
### Highest Band Edge / 1 RB



### Lowest Band Edge / Full RB



### Highest Band Edge / Full RB

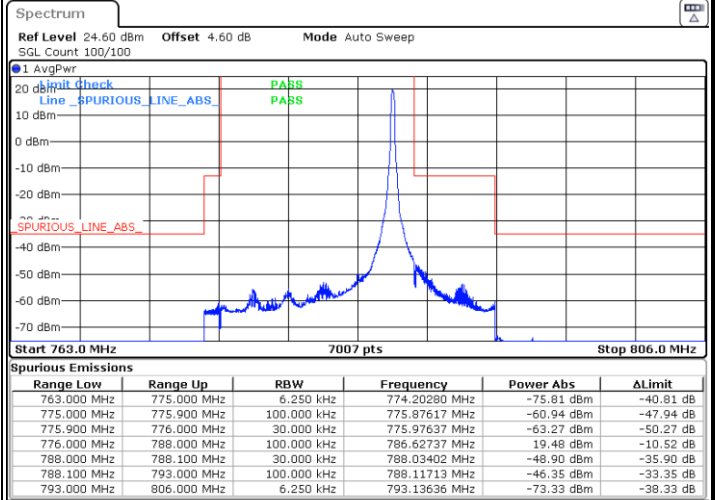
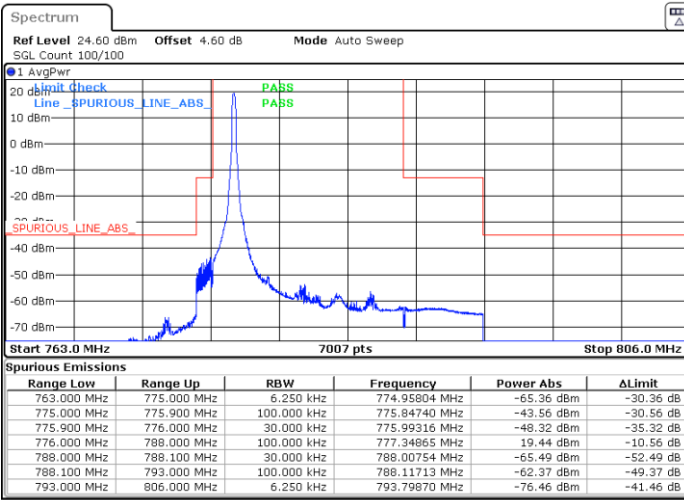




LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

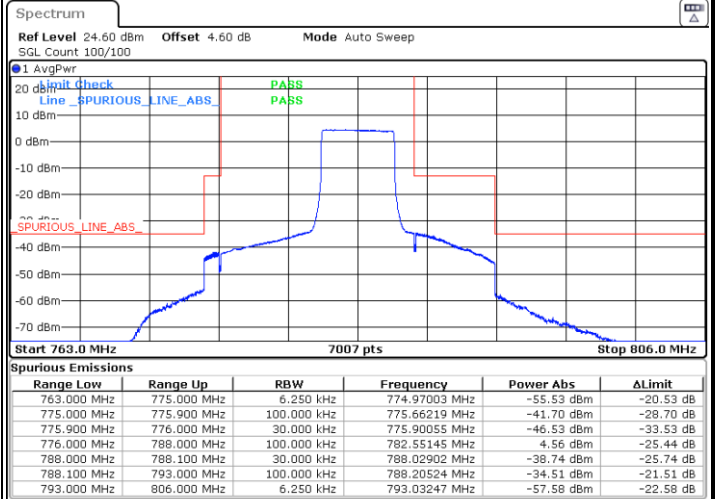
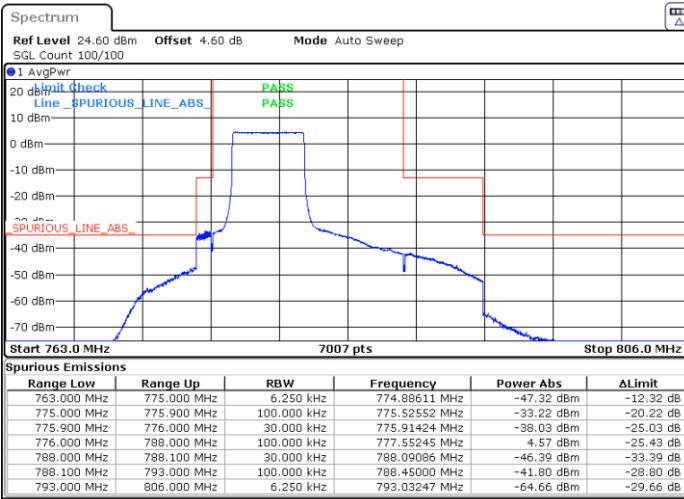


Date: 5 NOV. 2022 00:12:13

Date: 5 NOV. 2022 00:27:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5 NOV. 2022 00:17:43

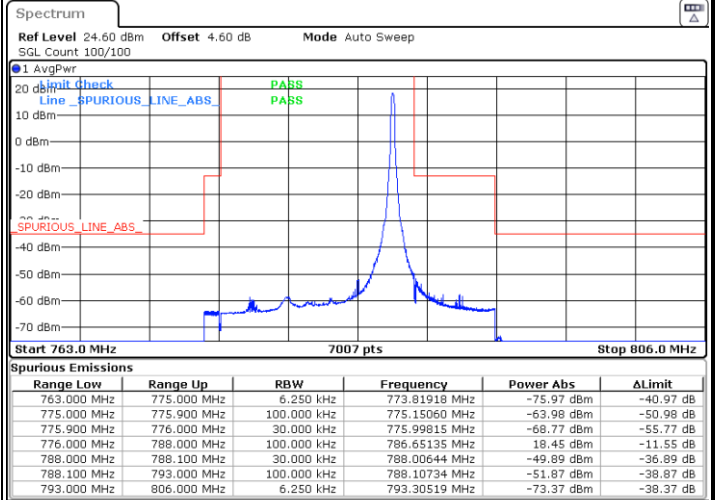
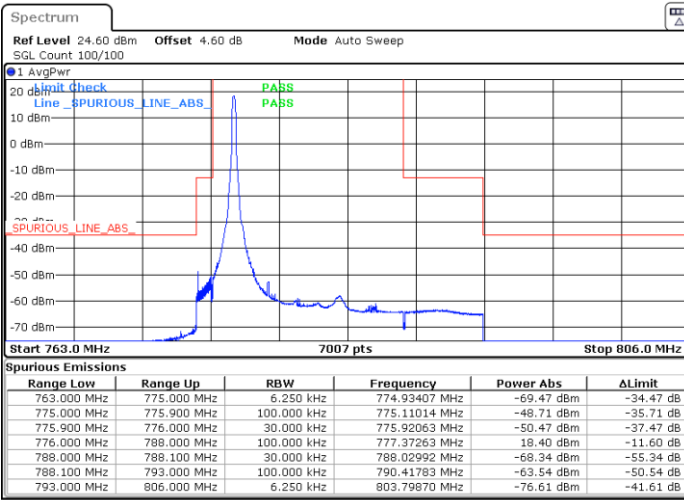
Date: 5 NOV. 2022 00:32:43



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

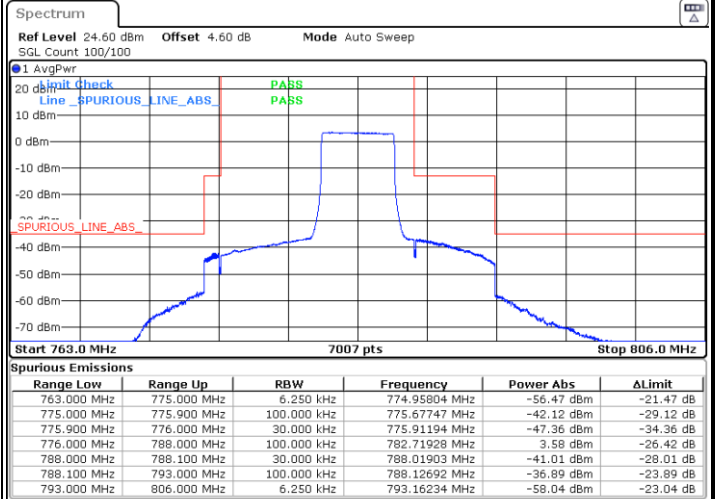
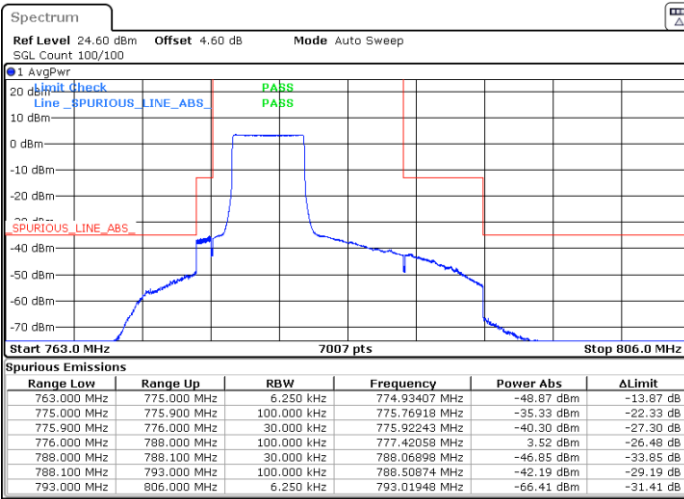


Date: 5 NOV. 2022 00:14:04

Date: 5 NOV. 2022 00:29:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5 NOV. 2022 00:15:53

Date: 5 NOV. 2022 00:30:54

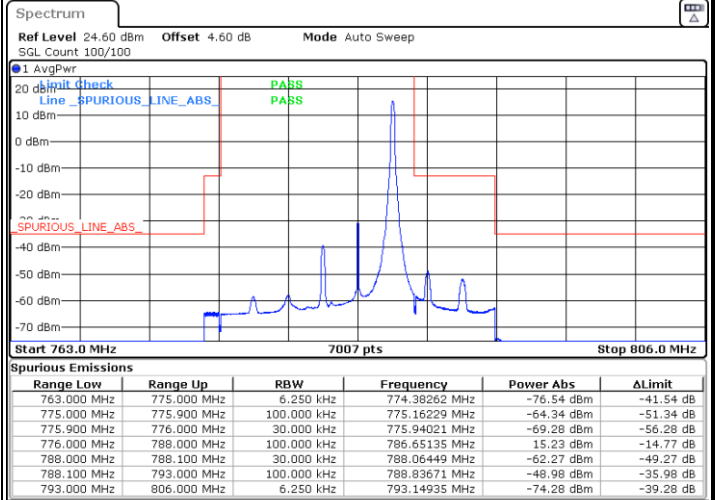
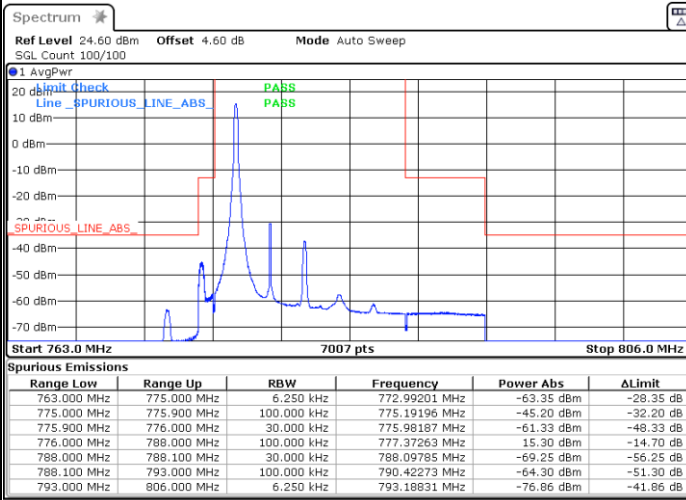




LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

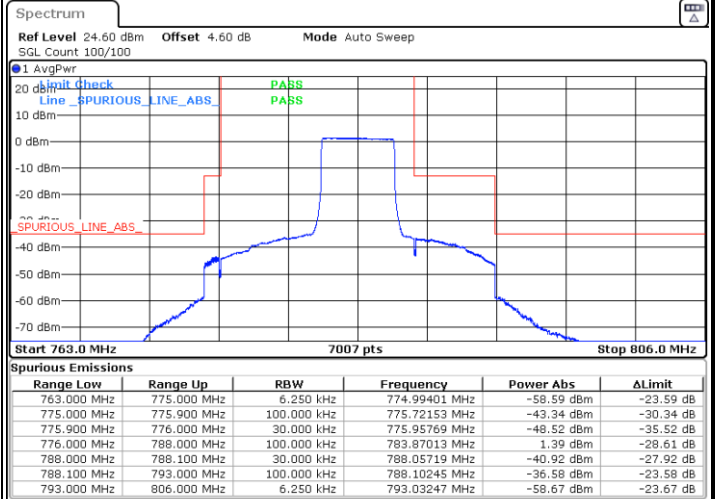
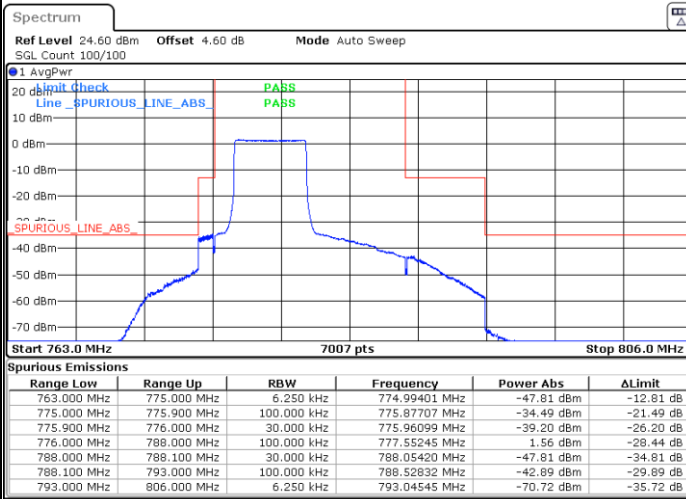


Date: 5 NOV.2022 01:15:54

Date: 5 NOV.2022 01:17:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5 NOV.2022 01:11:04

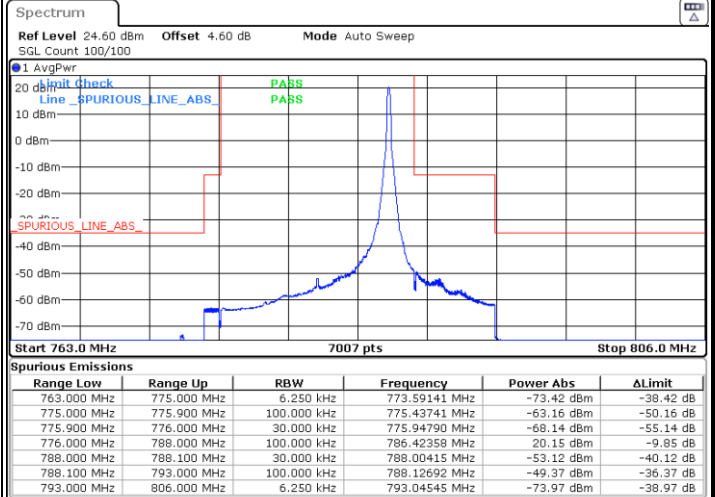
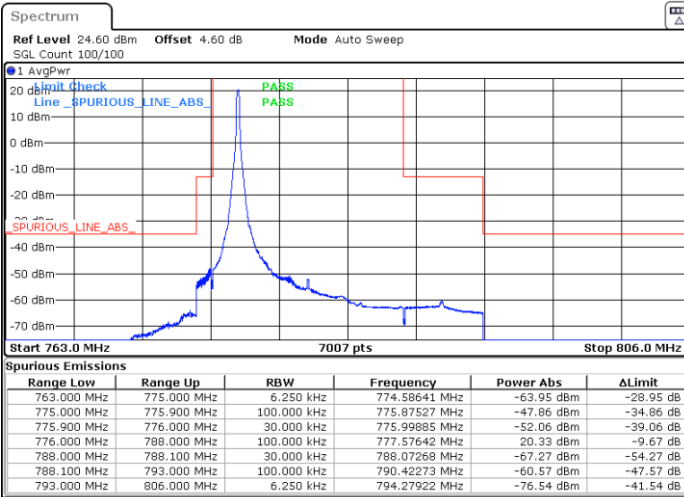
Date: 5 NOV.2022 01:19:53



LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB

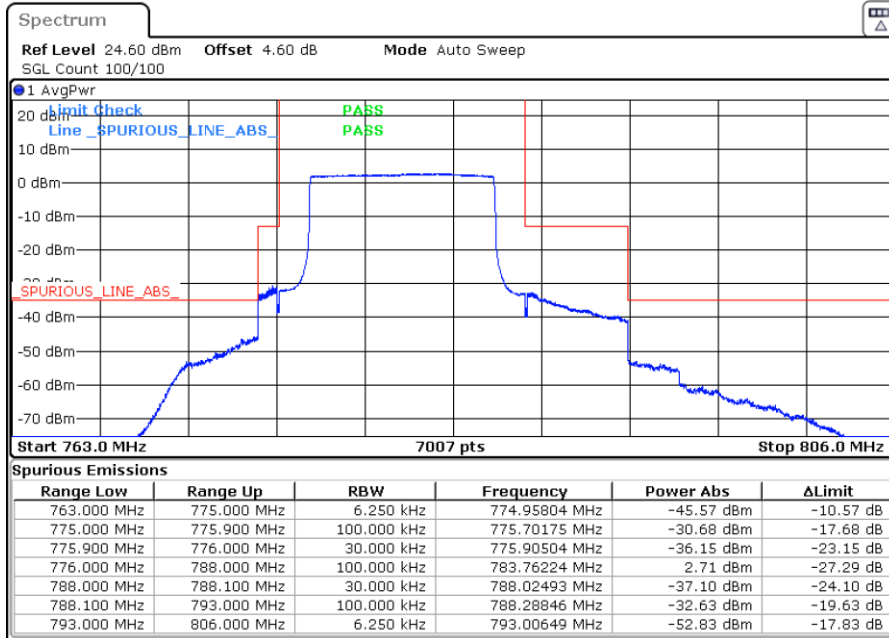
middle Band Edge / 1 RB



Date: 5 NOV. 2022 00:45:29

Date: 5 NOV. 2022 00:48:37

Middle Band Edge / Full RB



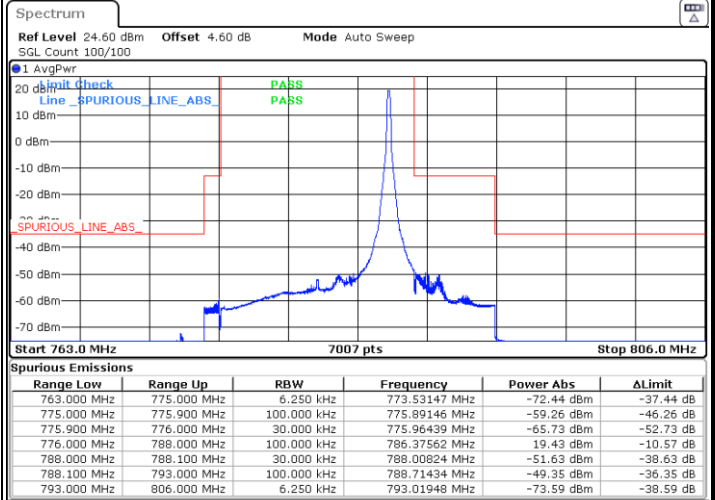
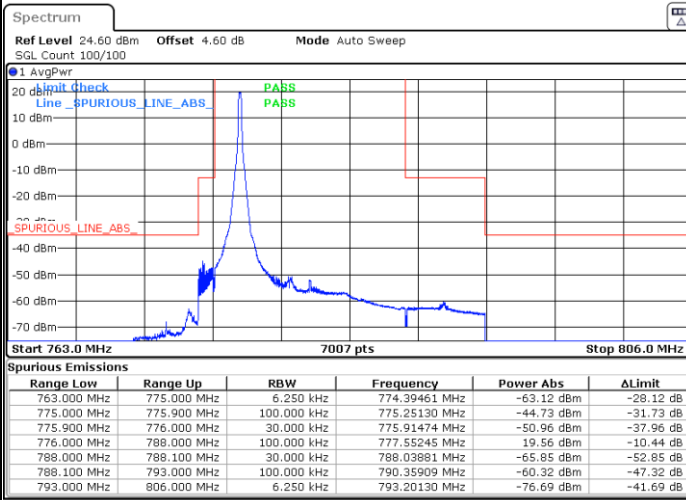
Date: 5 NOV. 2022 00:36:23



LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB

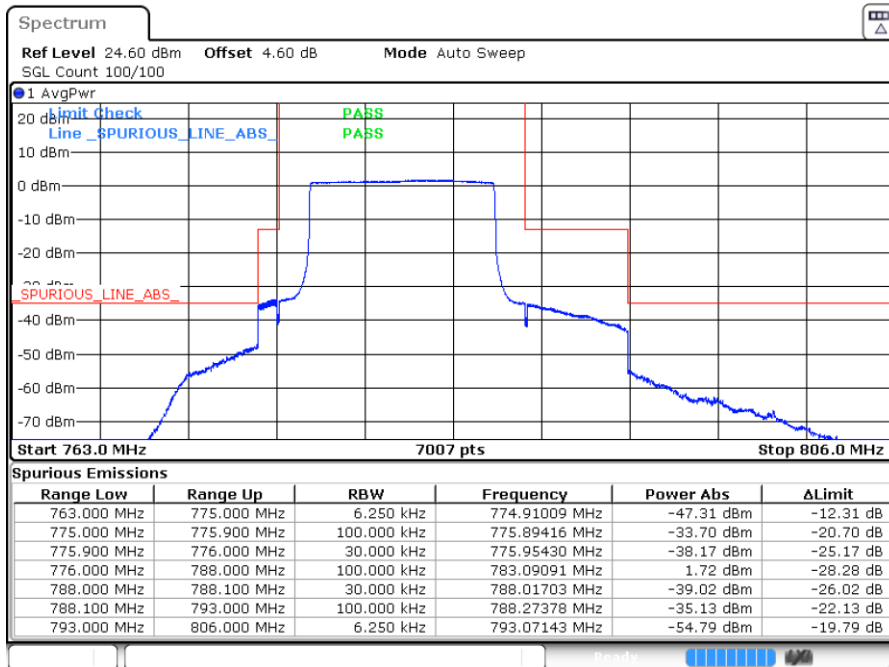
middle Band Edge / 1 RB



Date: 5 NOV. 2022 00:43:40

Date: 5 NOV. 2022 00:50:26

middle Band Edge / Full RB

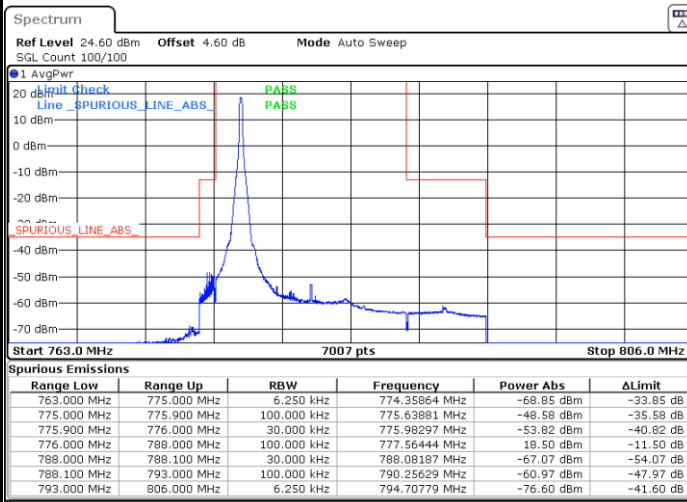


Date: 5 NOV. 2022 00:38:12



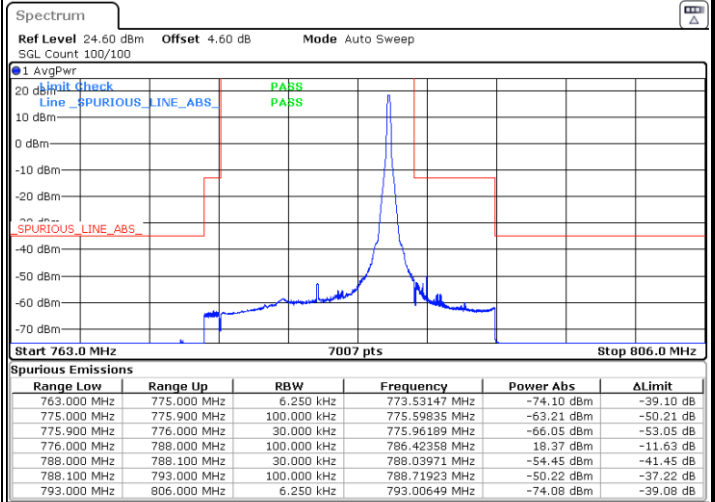
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB



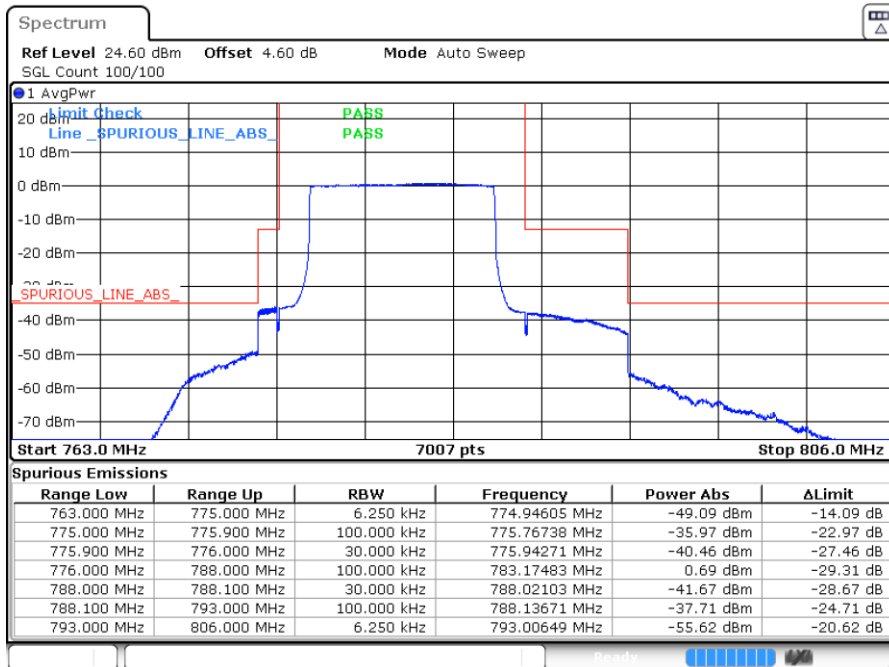
Date: 5 NOV 2022 00:41:50

middle Band Edge / 1 RB



Date: 5 NOV 2022 00:52:15

middle Band Edge / Full RB

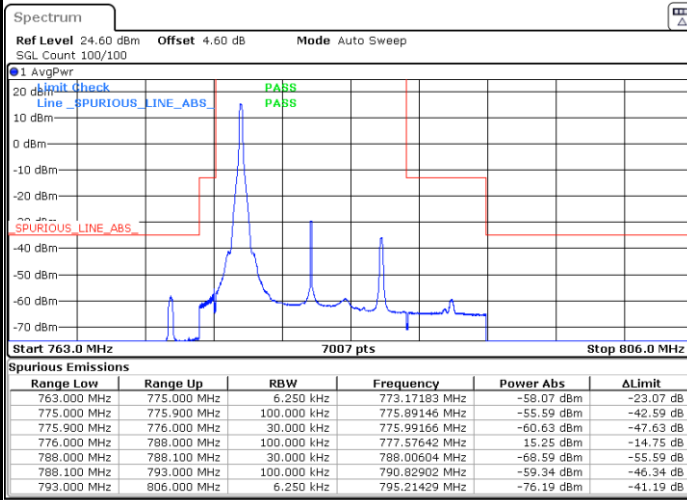


Date: 5 NOV 2022 00:40:01



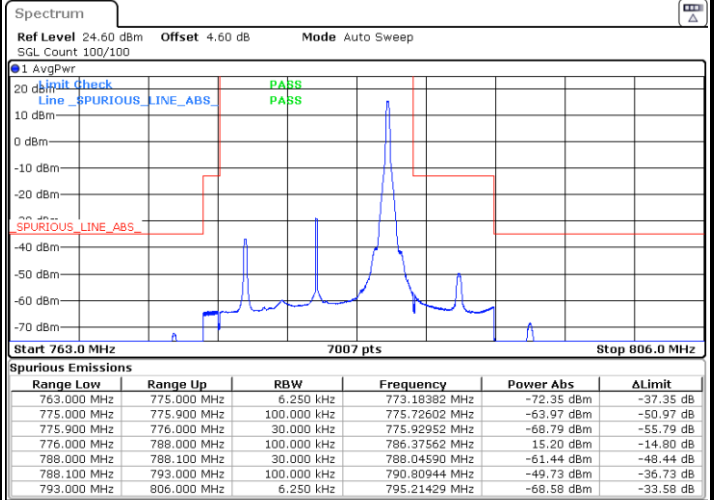
LTE Band 13 / 10MHz / 256QAM

middle Band Edge / 1 RB



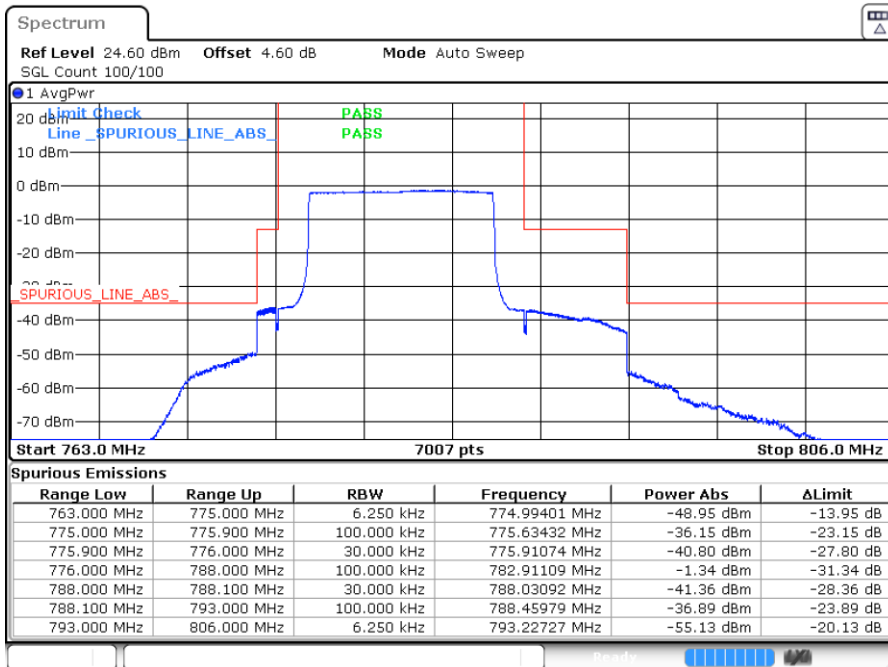
Date: 5 NOV 2022 01:05:48

middle Band Edge / 1 RB



Date: 5 NOV 2022 01:07:16

middle Band Edge / Full RB



Date: 5 NOV 2022 01:08:44

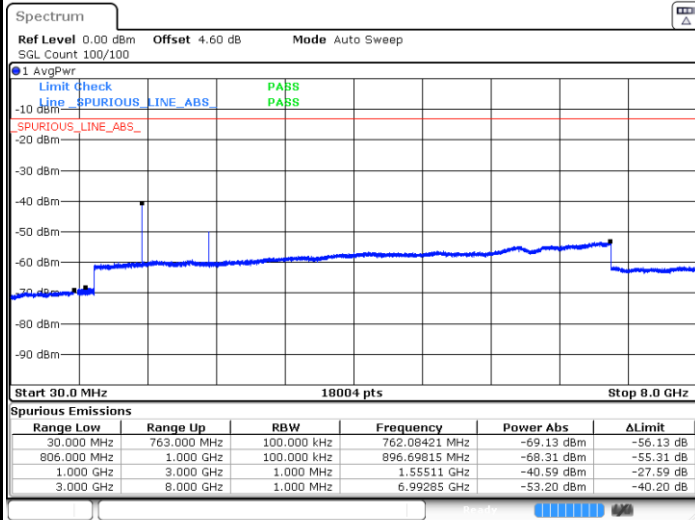


# Conducted Spurious Emission

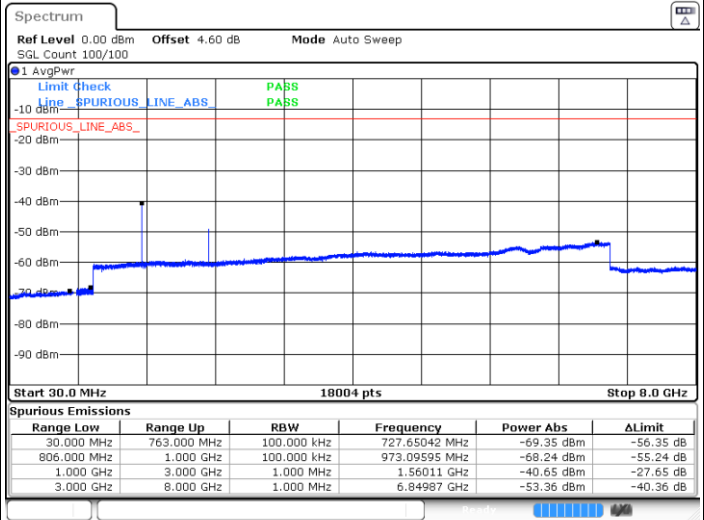
## LTE Band 13 / 5MHz

### Lowest Channel / QPSK

### Middle Channel / QPSK

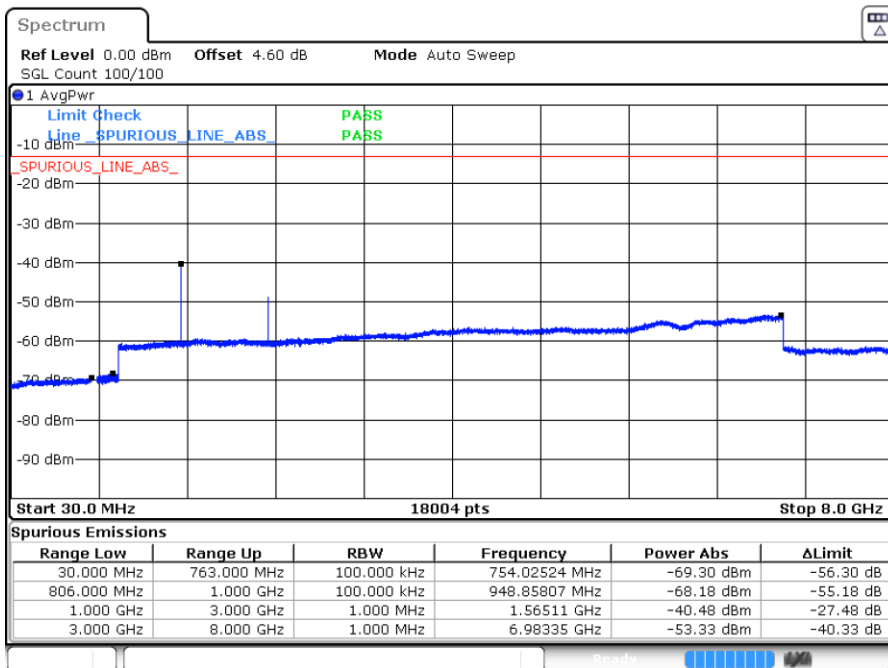


Date: 5 NOV 2022 00:20:53



Date: 5 NOV 2022 00:22:13

### Highest Channel / QPSK

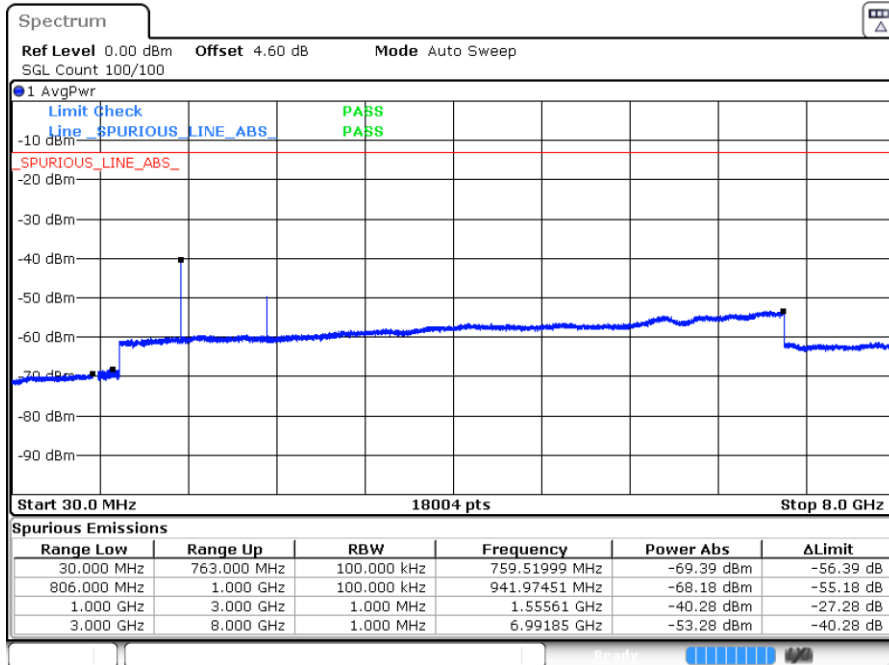


Date: 5 NOV 2022 00:23:33



LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 5 NOV 2022 00:46:48



### Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0011	

**Note:**

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

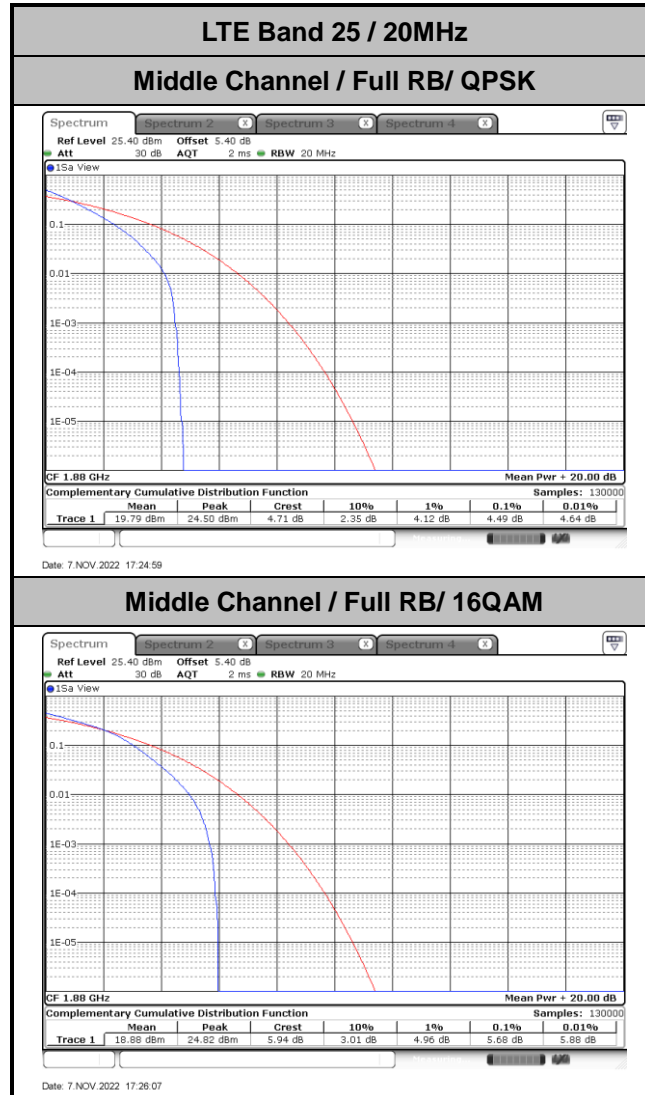


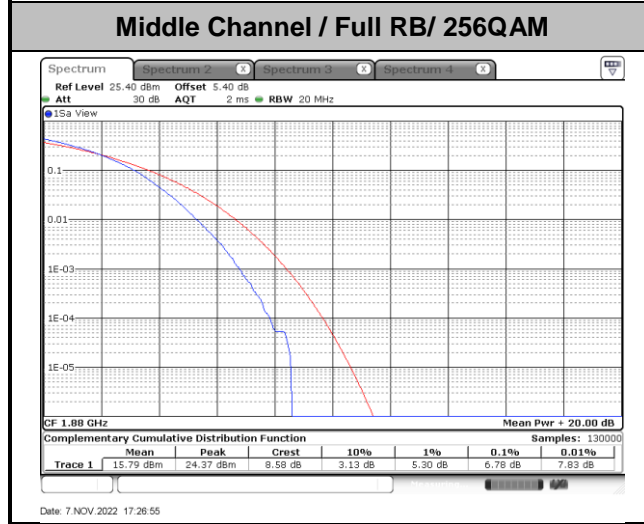
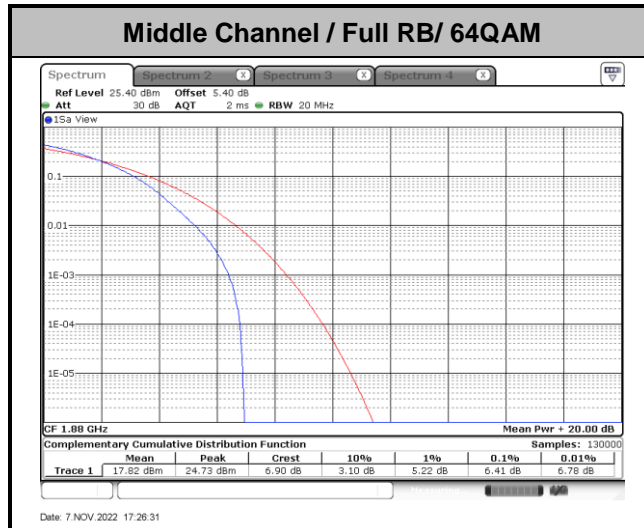


# LTE Band 25

## Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.49	5.68	6.41	PASS
Mode	LTE Band 25 / 20MHz			
Mod.	256QAM			Limit: 13dB
RB Size	Full RB			Result
Middle CH	6.78			PASS

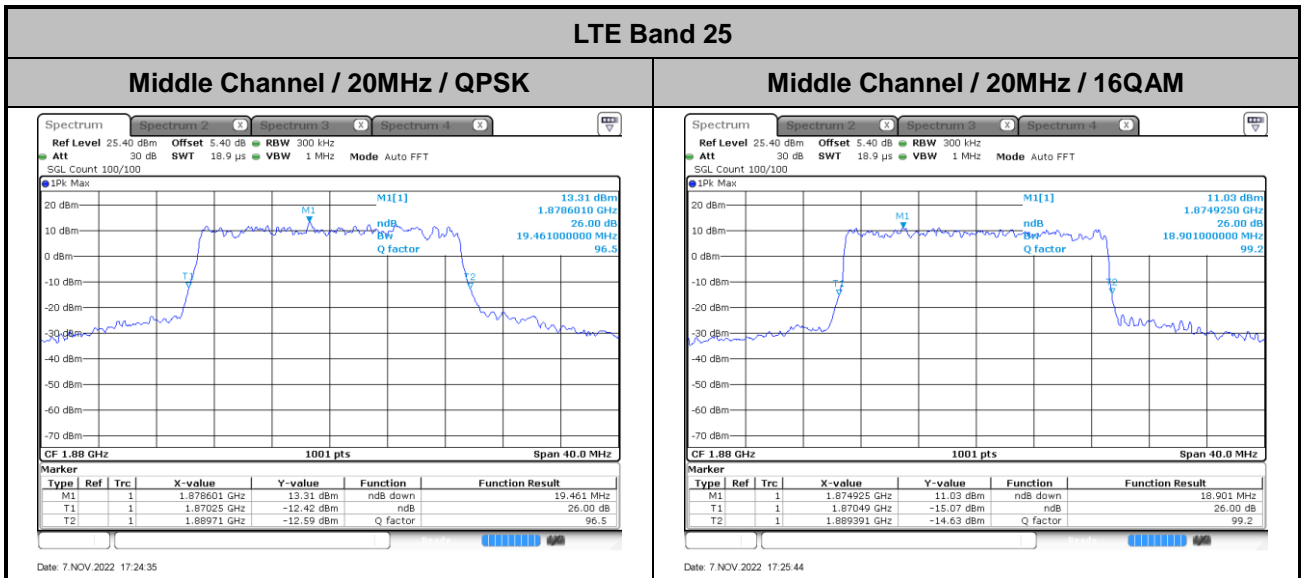






## 26dB Bandwidth

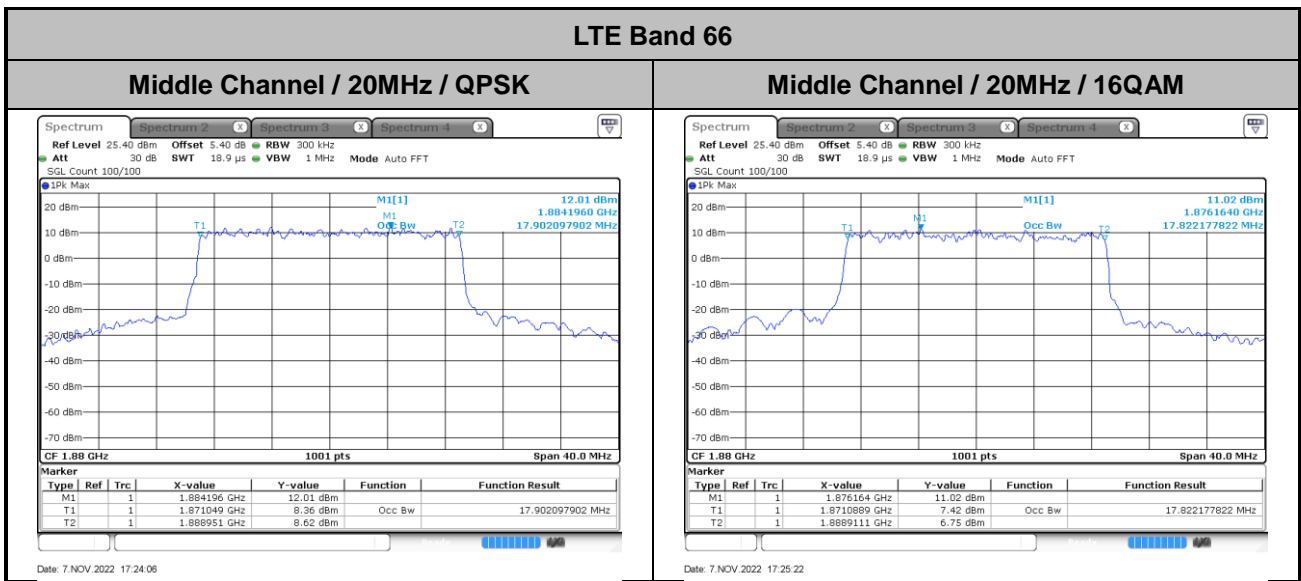
<b>Mode</b>	<b>LTE Band 25 : 26dB BW(MHz)</b>	
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	19.46	18.90





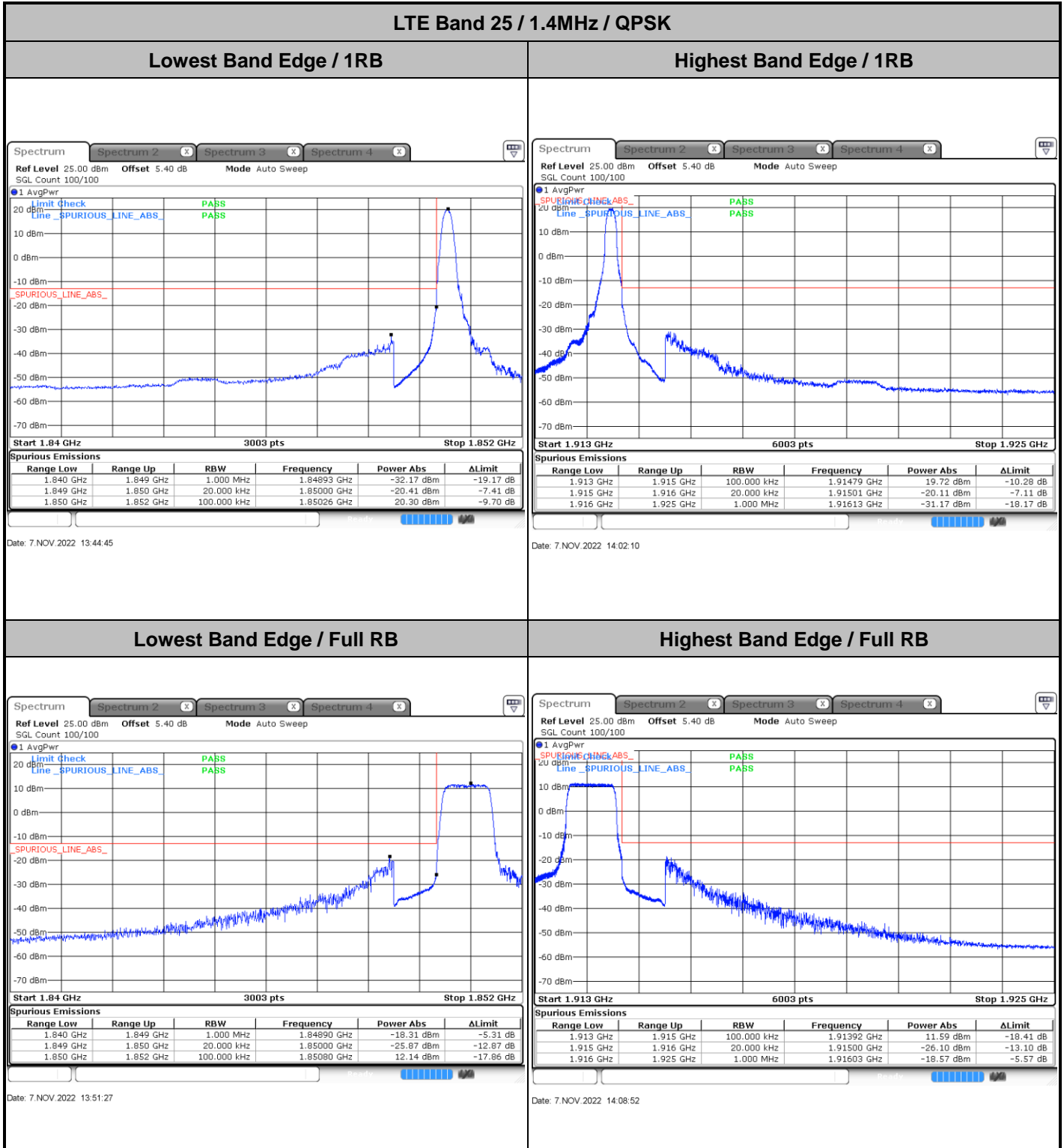
# Occupied Bandwidth

Mode	LTE Band 25 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.82





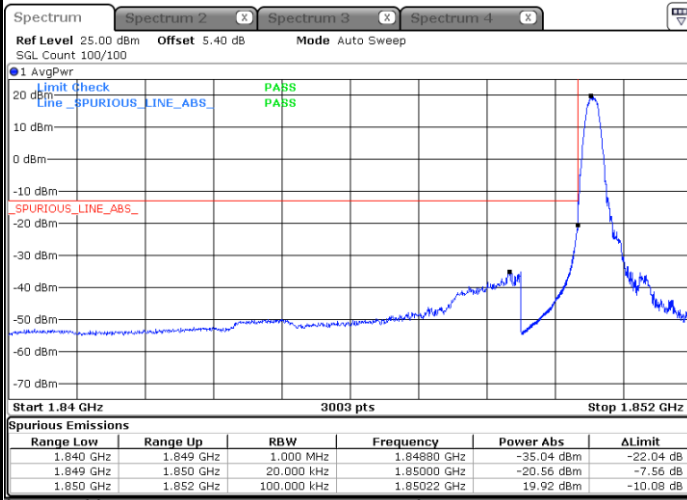
# Conducted Band Edge





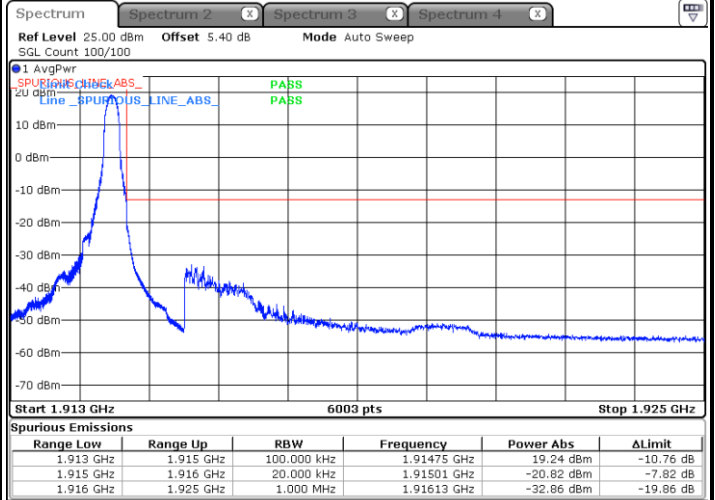
LTE Band 25 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



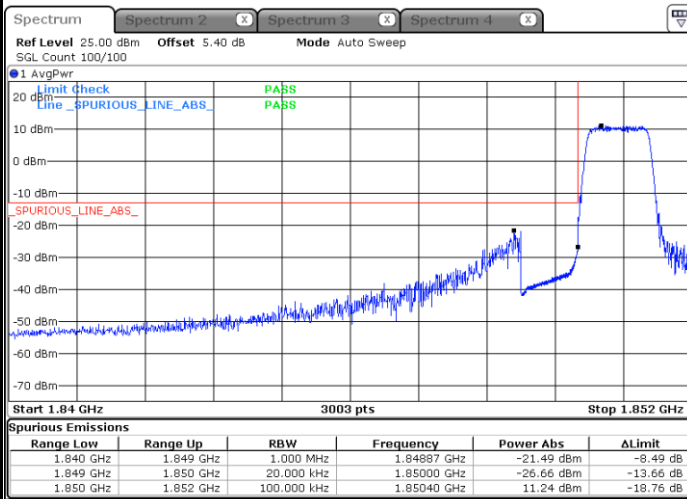
Date: 7.NOV.2022 13:46:25

Highest Band Edge / 1 RB



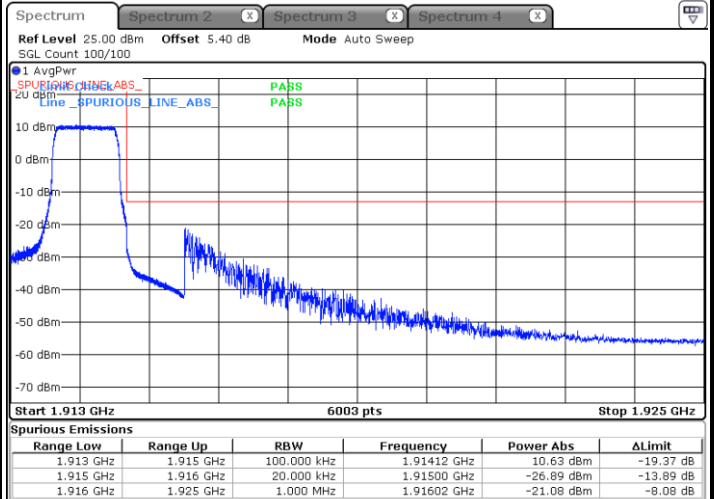
Date: 7.NOV.2022 14:03:50

Lowest Band Edge / Full RB



Date: 7.NOV.2022 13:53:07

Highest Band Edge / Full RB

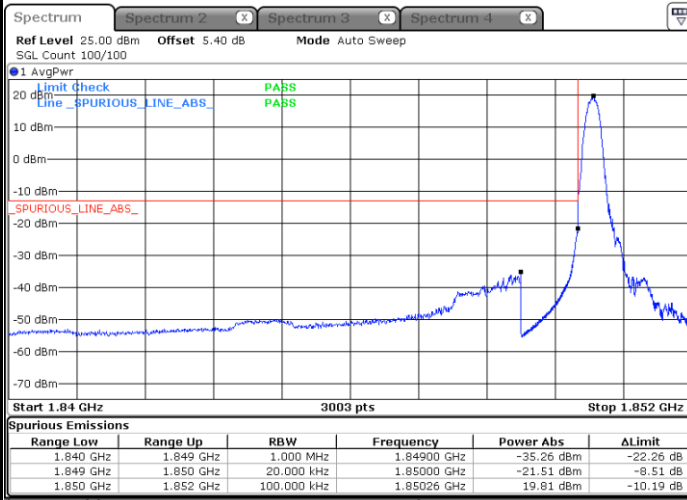


Date: 7.NOV.2022 14:10:32



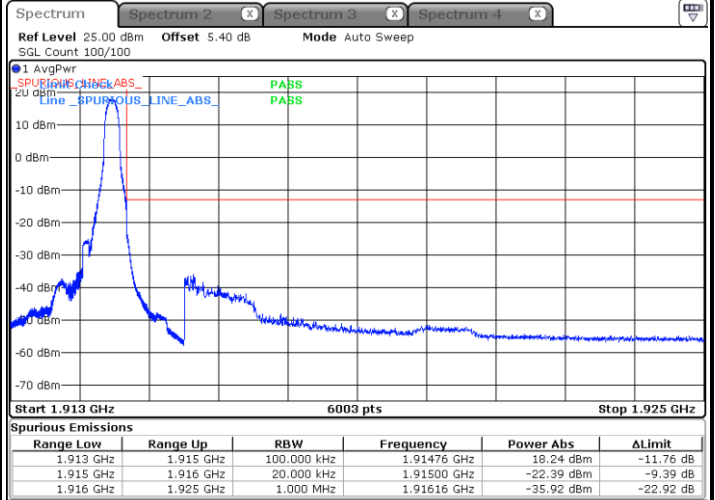
LTE Band 25 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



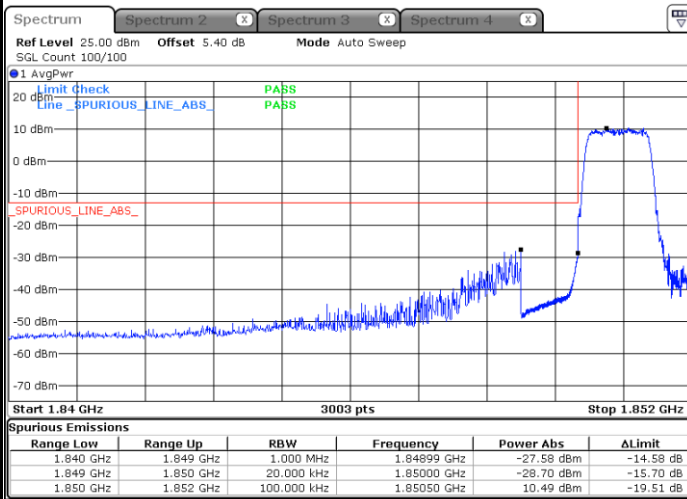
Date: 7.NOV.2022 13:48:05

Highest Band Edge / 1 RB



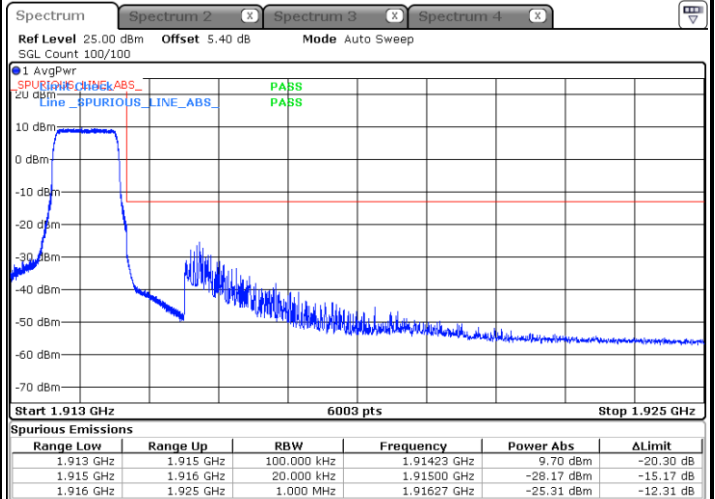
Date: 7.NOV.2022 14:05:30

Lowest Band Edge / Full RB



Date: 7.NOV.2022 13:54:47

Highest Band Edge / Full RB



Date: 7.NOV.2022 14:12:11