

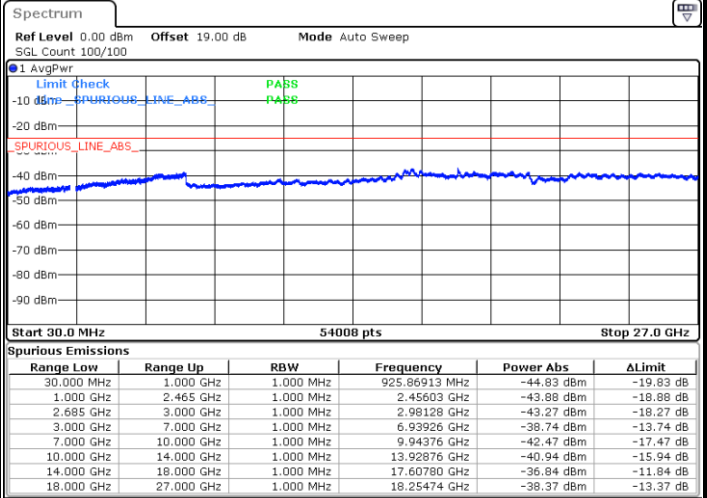
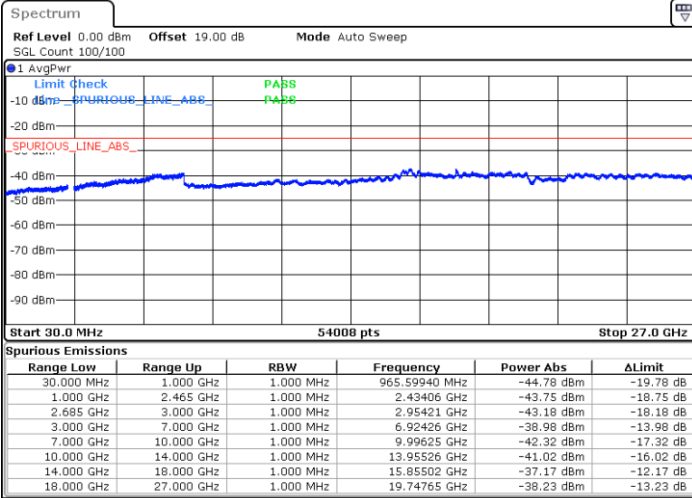


# Conducted Spurious Emission

## LTE Band 41 / 5MHz

### Lowest Channel / QPSK

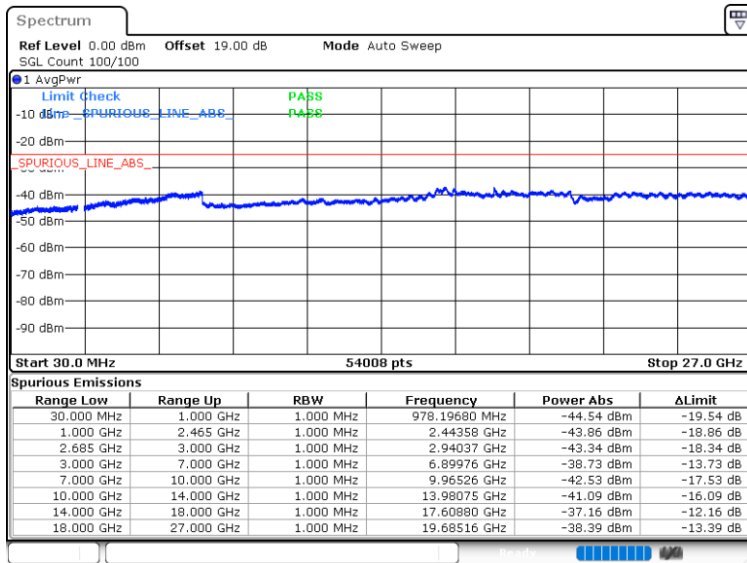
### Middle Channel / QPSK



Date: 7.AUG.2023 17:17:33

Date: 7.AUG.2023 13:55:03

### Highest Channel / QPSK



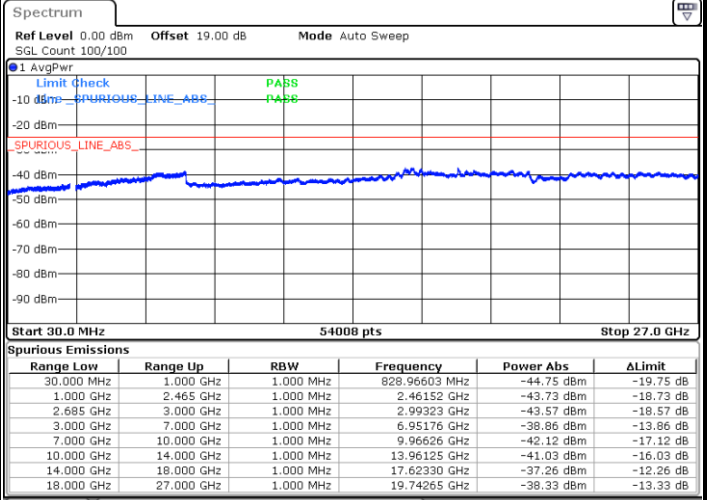
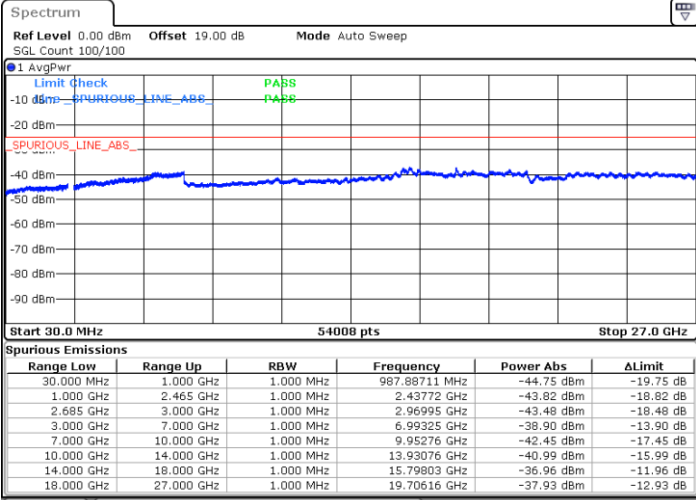
Date: 7.AUG.2023 17:19:19



LTE Band 41 / 10MHz

Lowest Channel / QPSK

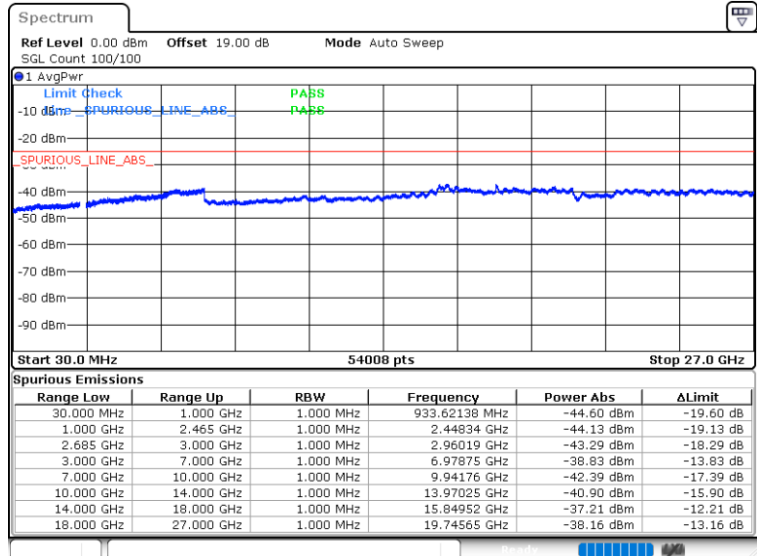
Middle Channel / QPSK



Date: 7.AUG.2023 16:47:59

Date: 7.AUG.2023 15:15:07

Highest Channel / QPSK



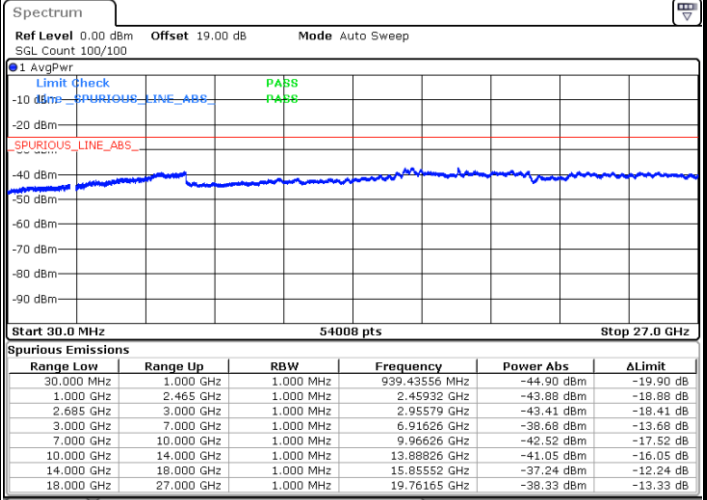
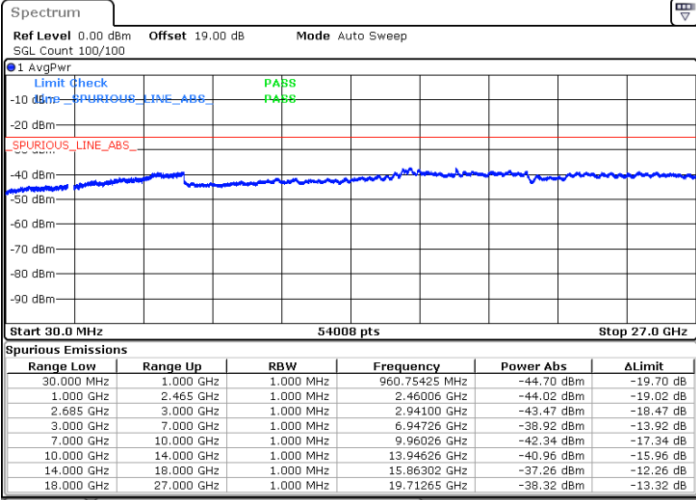
Date: 7.AUG.2023 16:47:03



LTE Band 41 / 15MHz

Lowest Channel / QPSK

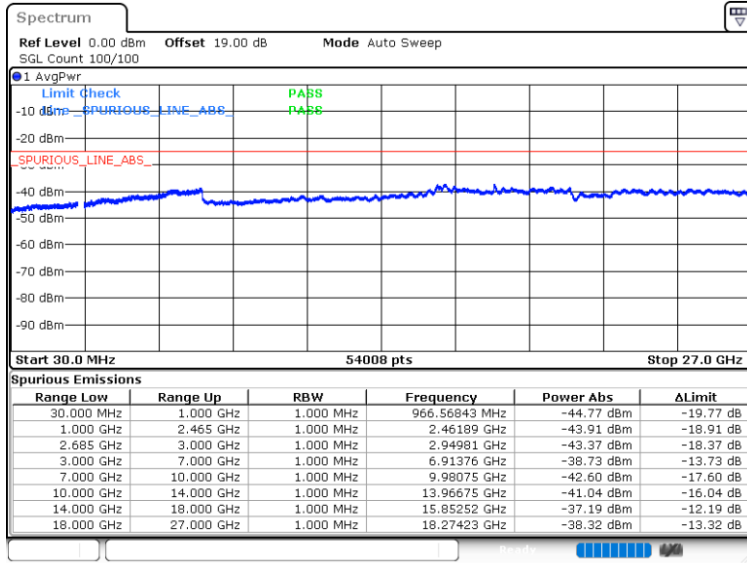
Middle Channel / QPSK



Date: 7.AUG.2023 16:31:55

Date: 7.AUG.2023 15:17:33

Highest Channel / QPSK



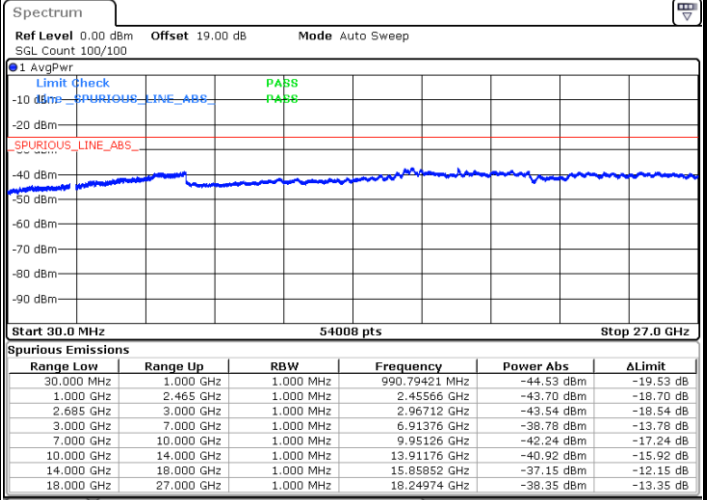
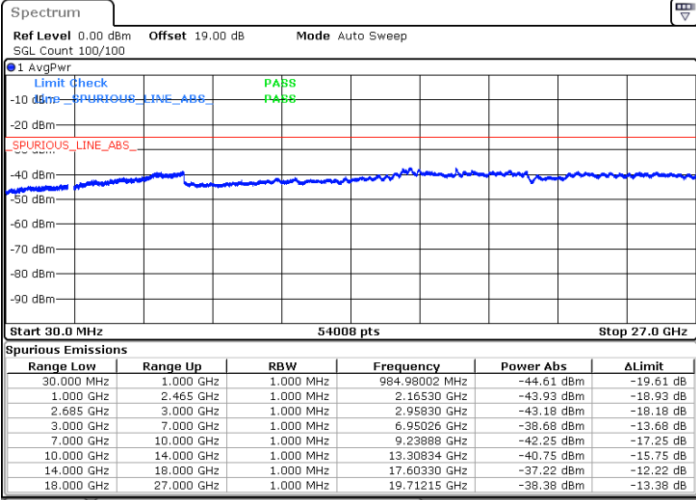
Date: 7.AUG.2023 16:32:59



LTE Band 41 / 20MHz

Lowest Channel / QPSK

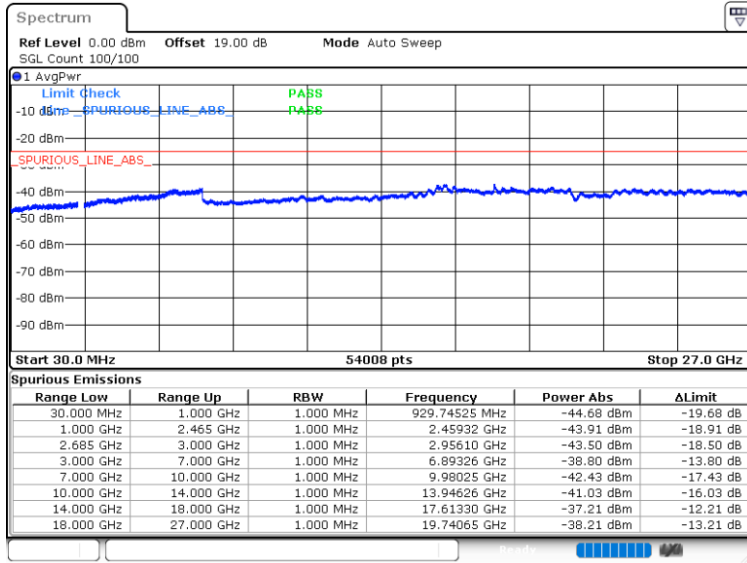
Middle Channel / QPSK



Date: 7.AUG.2023 16:02:26

Date: 7.AUG.2023 15:53:08

Highest Channel / QPSK



Date: 7.AUG.2023 16:11:05



### 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	0.0006	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0060	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

**Note:**

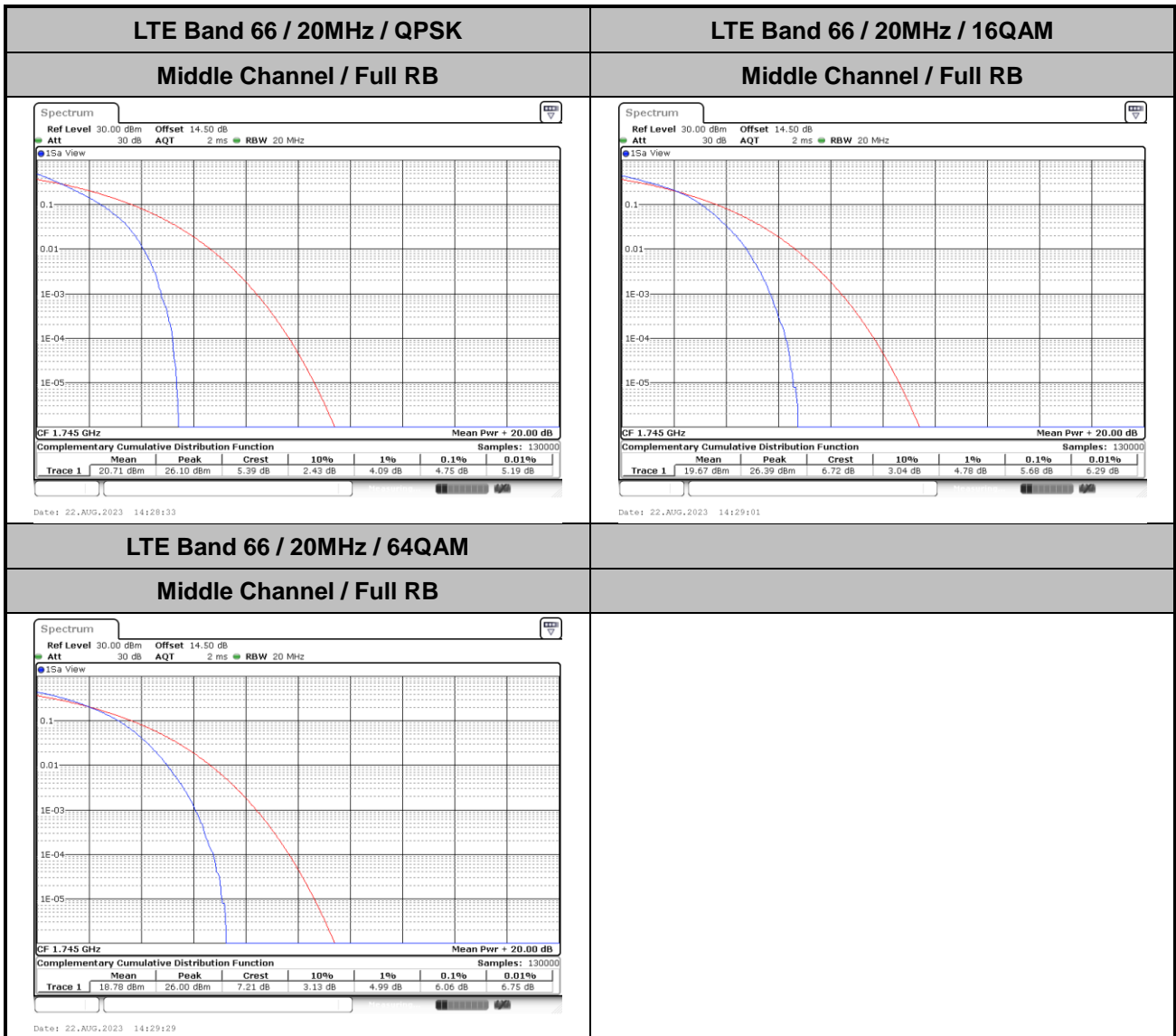
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.48 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 66

## Peak-to-Average Ratio

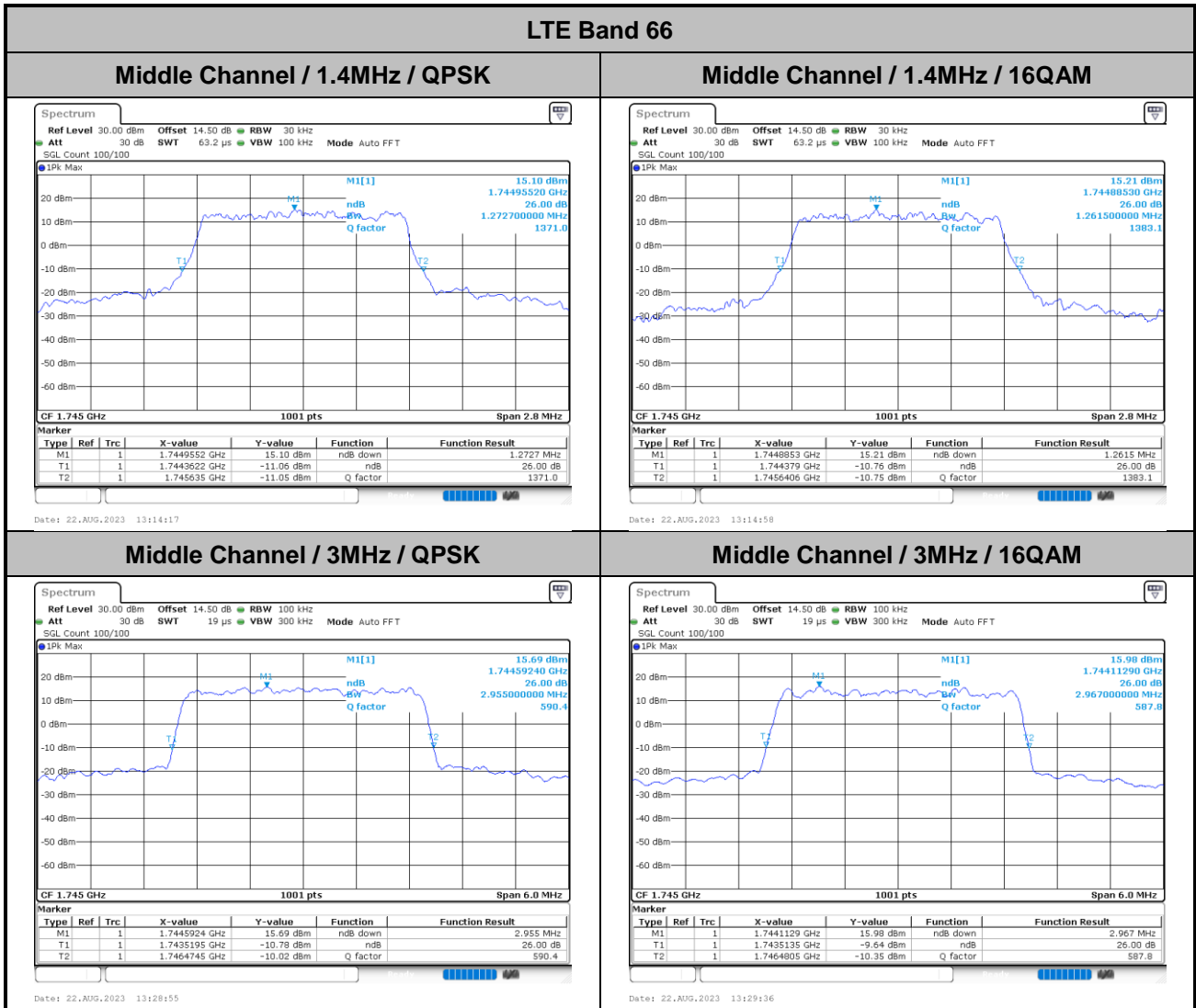
Mode	LTE Band 66 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.75	5.68	6.06	PASS





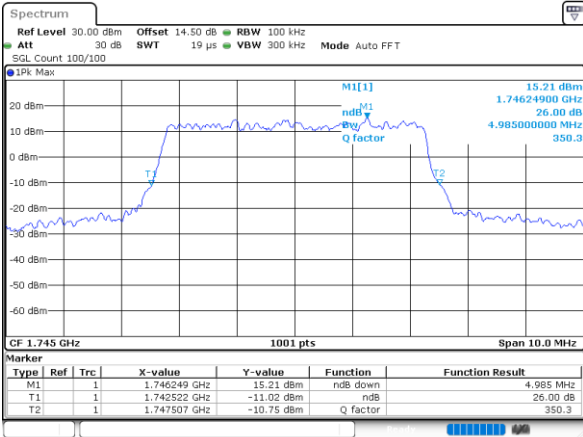
## 26dB Bandwidth

Mode	LTE Band 66 : 26dB BW(MHz)					
<b>BW</b>	<b>1.4MHz</b>		<b>3MHz</b>		<b>5MHz</b>	
<b>Mod.</b>	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
<b>Middle CH</b>	1.27	1.26	2.96	2.97	4.99	5.02
<b>BW</b>	<b>10MHz</b>		<b>15MHz</b>		<b>20MHz</b>	
<b>Mod.</b>	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
<b>Middle CH</b>	9.81	9.87	14.69	14.60	19.18	19.06



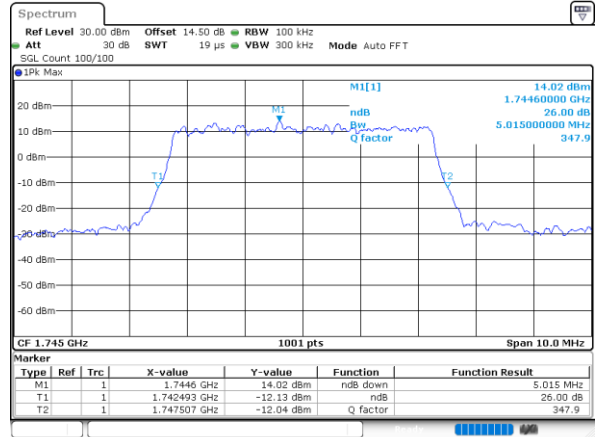


Middle Channel / 5MHz / QPSK



Date: 22.AUG.2023 13:43:32

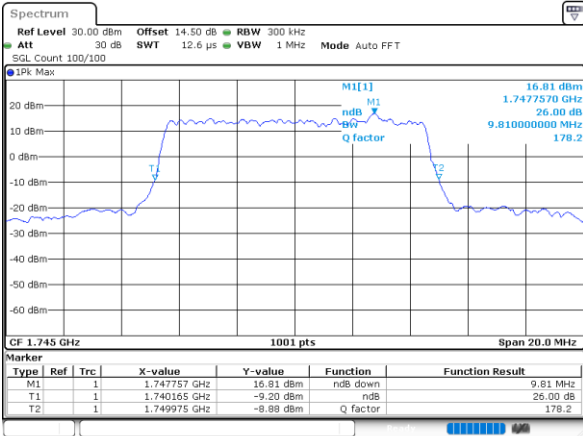
Middle Channel / 5MHz / 16QAM



Date: 22.AUG.2023 13:44:13

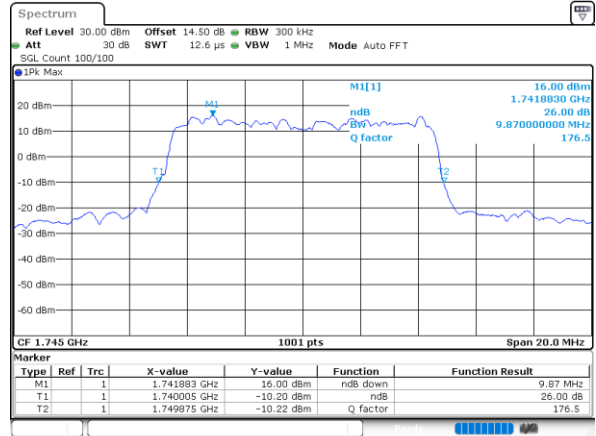
LTE Band 66

Middle Channel / 10MHz / QPSK



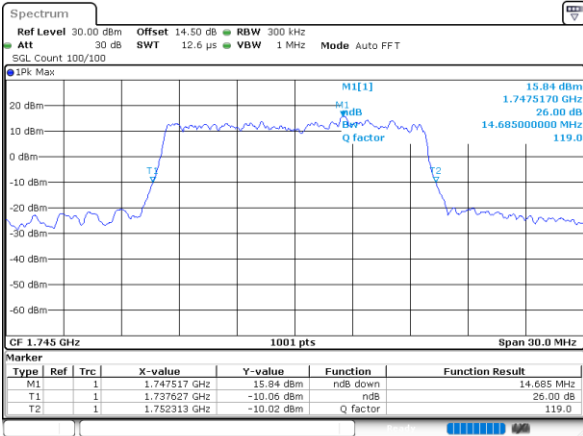
Date: 22.AUG.2023 13:58:11

Middle Channel / 10MHz / 16QAM



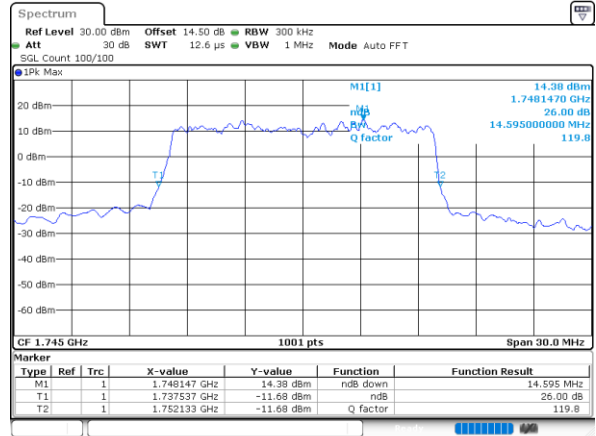
Date: 22.AUG.2023 13:58:51

Middle Channel / 15MHz / QPSK



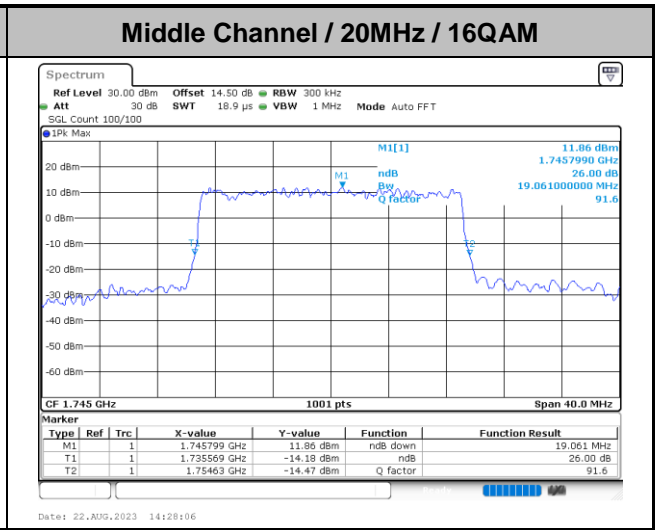
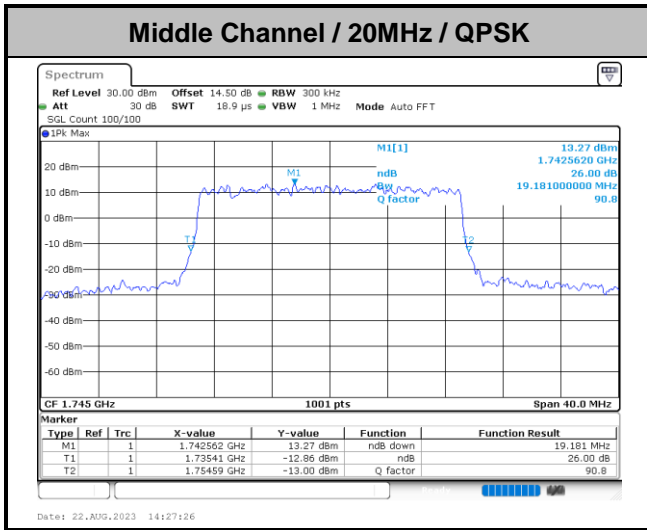
Date: 22.AUG.2023 14:12:48

Middle Channel / 15MHz / 16QAM



Date: 22.AUG.2023 14:13:28

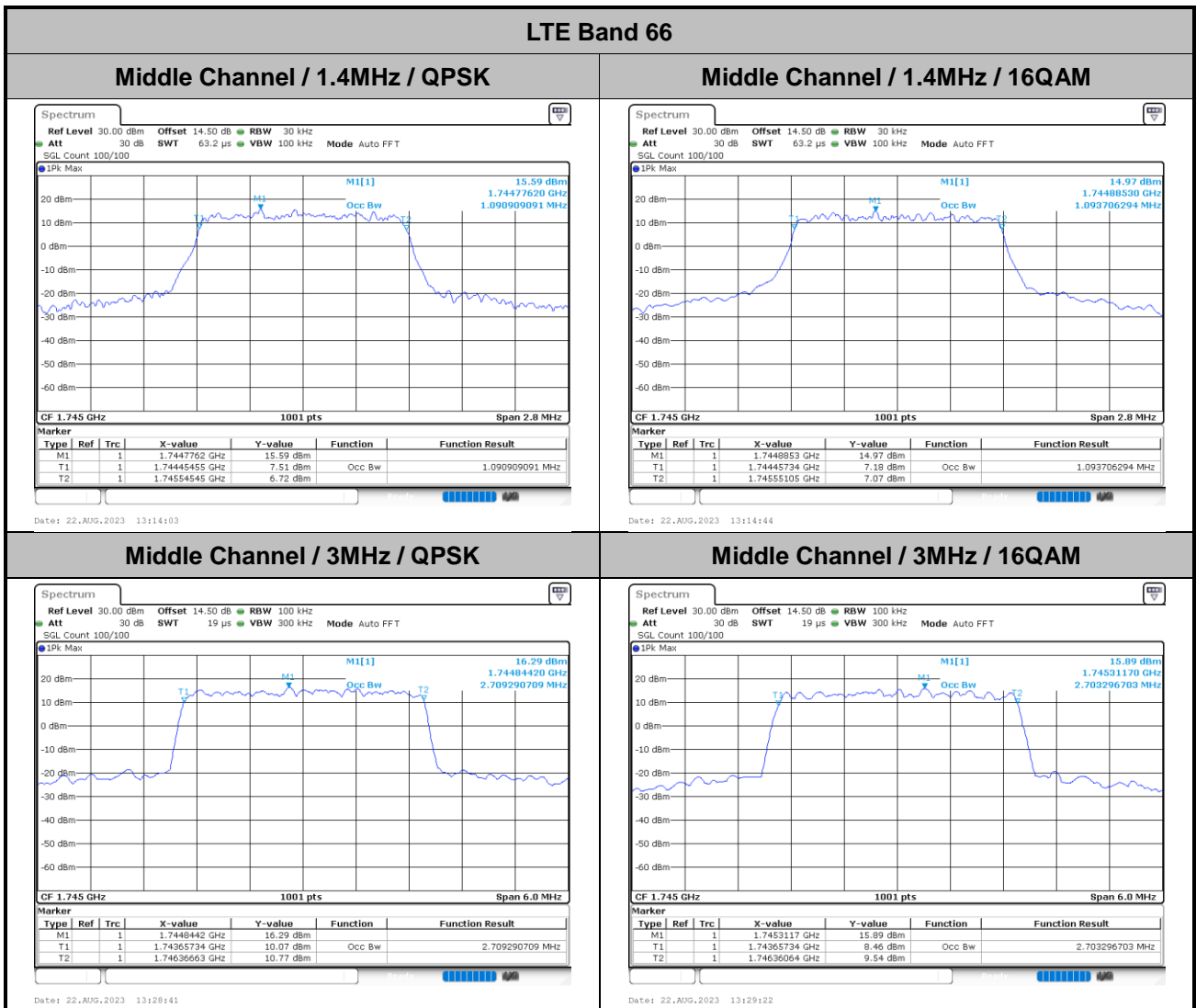






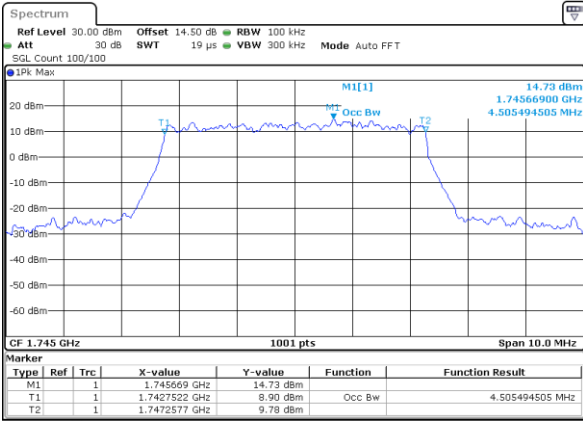
# Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)					
BW	1.4MHz		3MHz		5MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.09	2.71	2.70	4.51	4.49
BW	10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	9.15	9.11	13.46	13.46	17.86	17.90



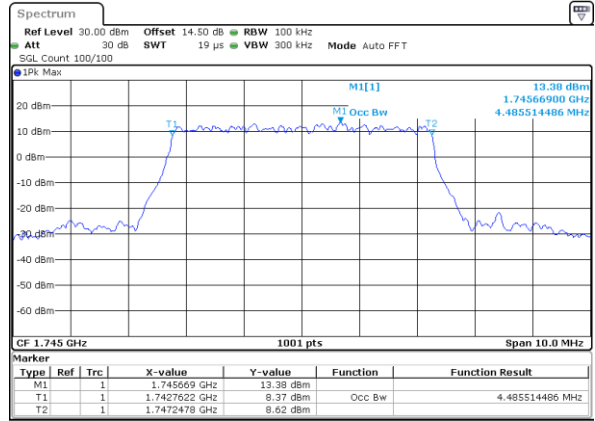


Middle Channel / 5MHz / QPSK



Date: 22\_AUG\_2023 13:43:18

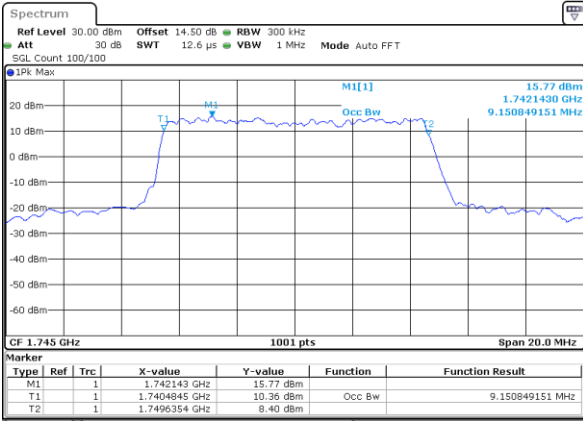
Middle Channel / 5MHz / 16QAM



Date: 22\_AUG\_2023 13:43:59

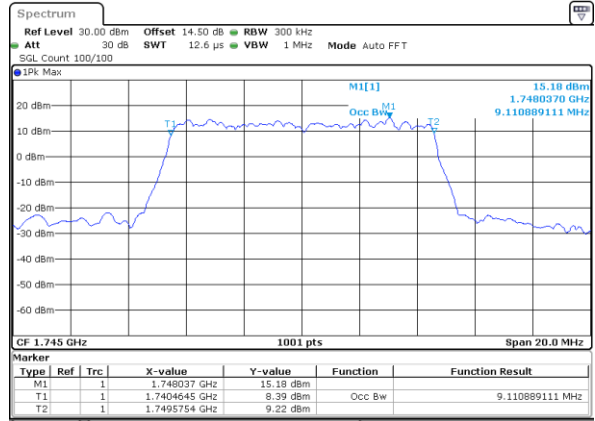
LTE Band 66

Middle Channel / 10MHz / QPSK



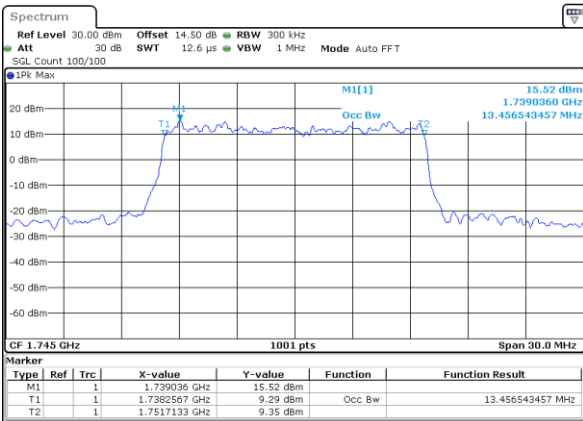
Date: 22\_AUG\_2023 13:57:57

Middle Channel / 10MHz / 16QAM



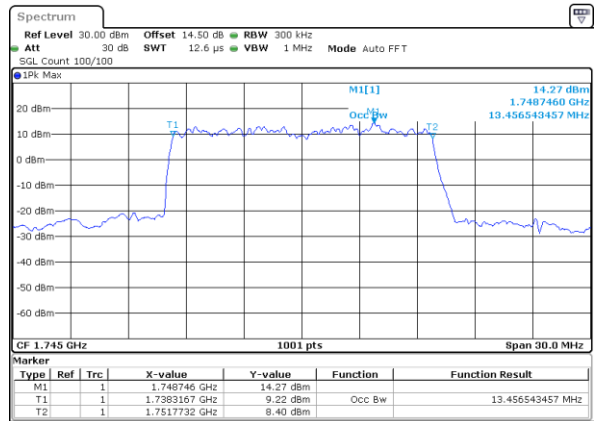
Date: 22\_AUG\_2023 13:58:37

Middle Channel / 15MHz / QPSK

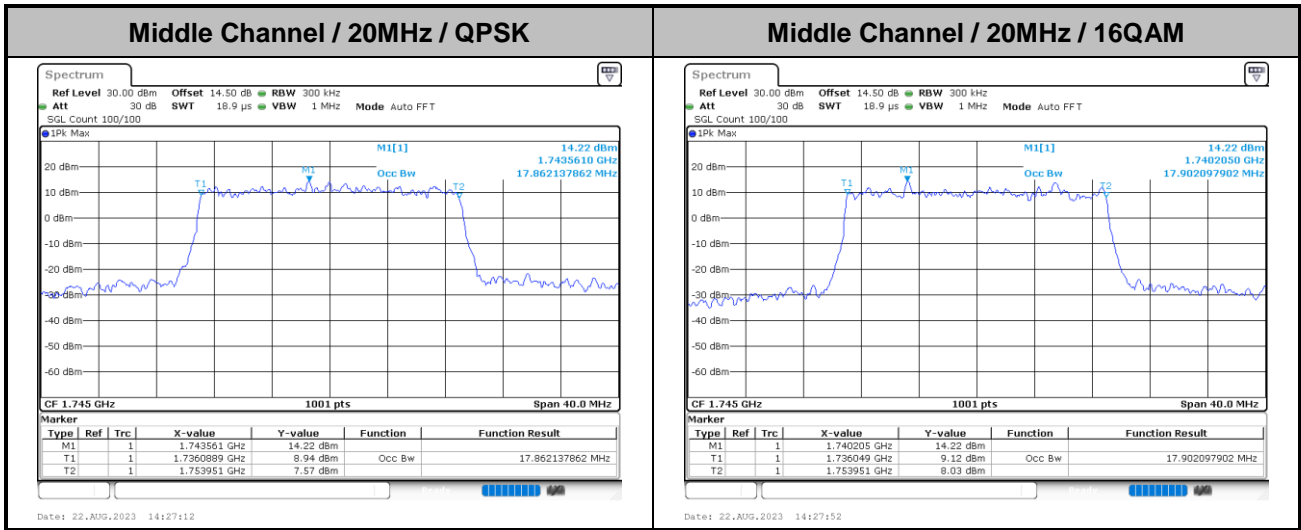


Date: 22\_AUG\_2023 14:12:34

Middle Channel / 15MHz / 16QAM

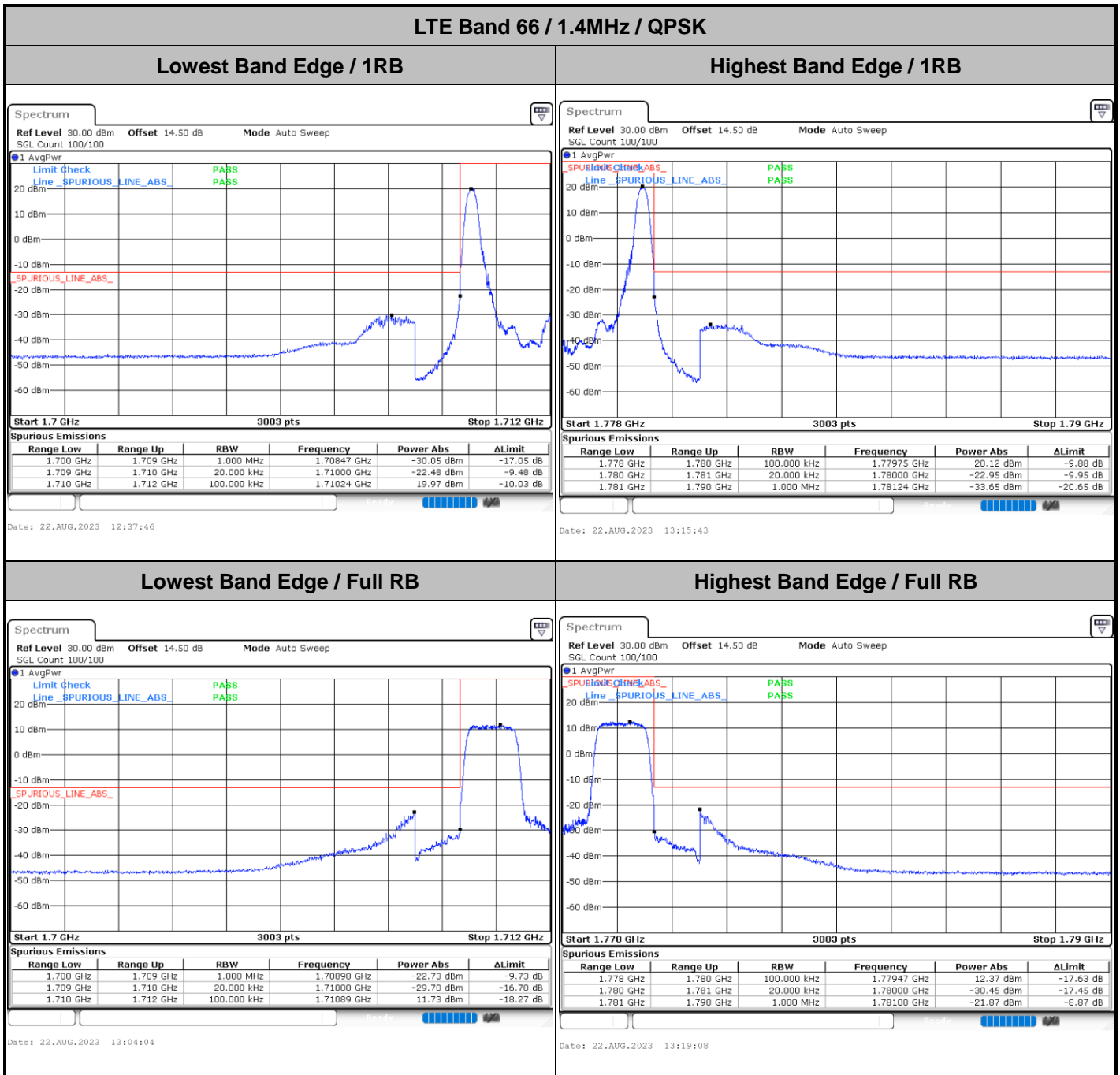


Date: 22\_AUG\_2023 14:13:14





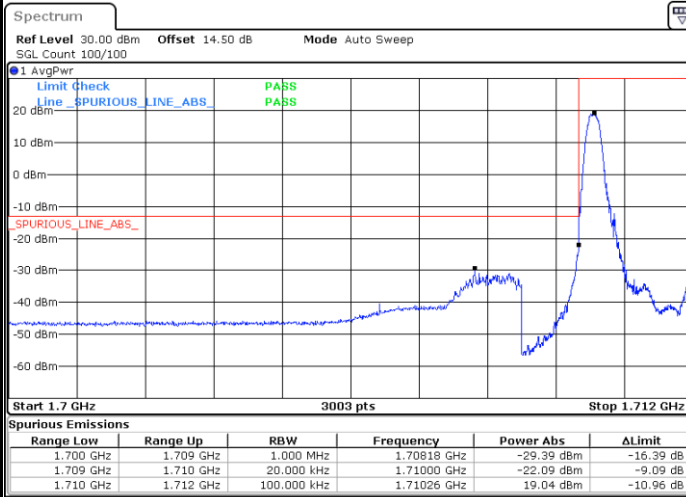
# Conducted Band Edge



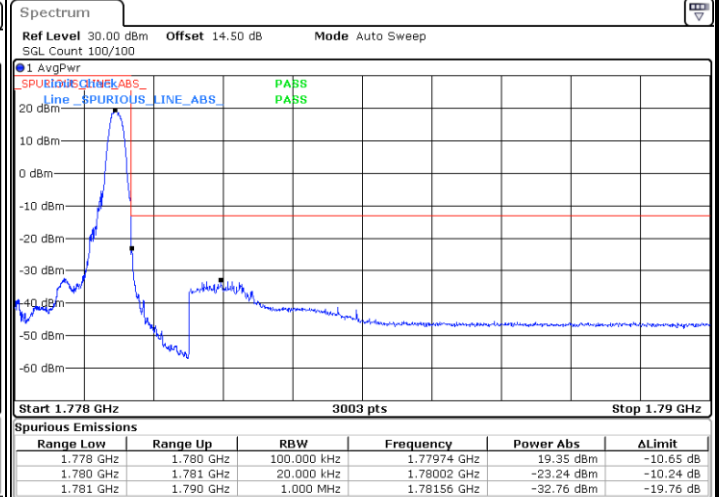


LTE Band 66 / 1.4MHz / 16QAM

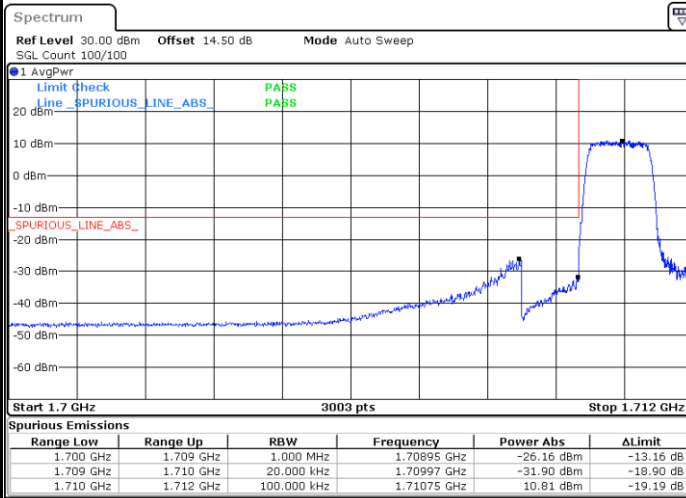
Lowest Band Edge / 1 RB



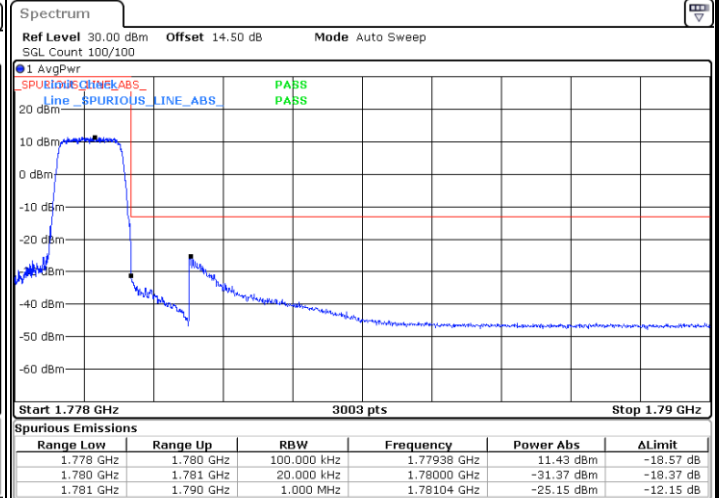
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



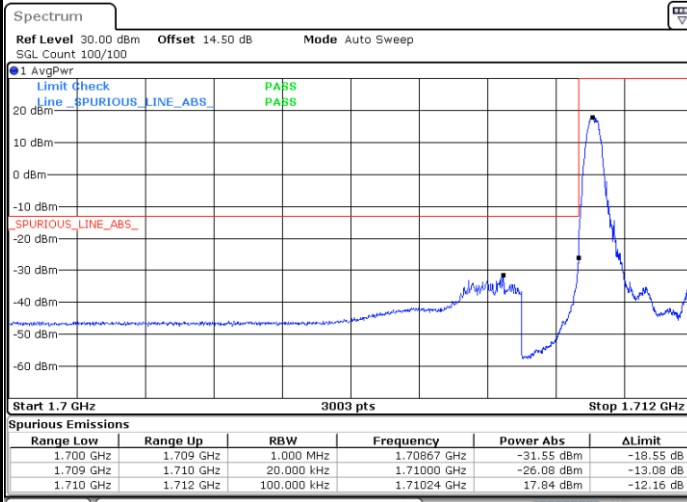
Highest Band Edge / Full RB





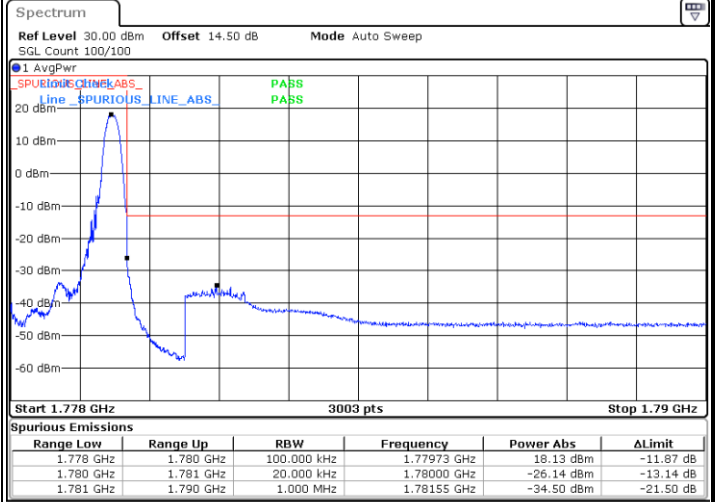
LTE Band 66 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



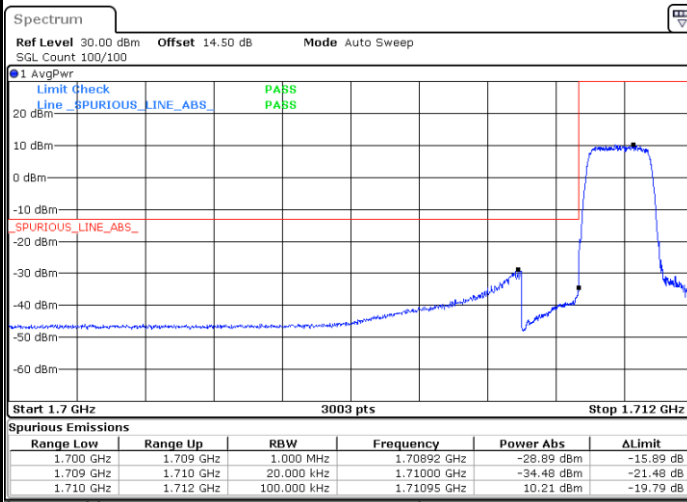
Date: 22.AUG.2023 13:02:23

Highest Band Edge / 1 RB



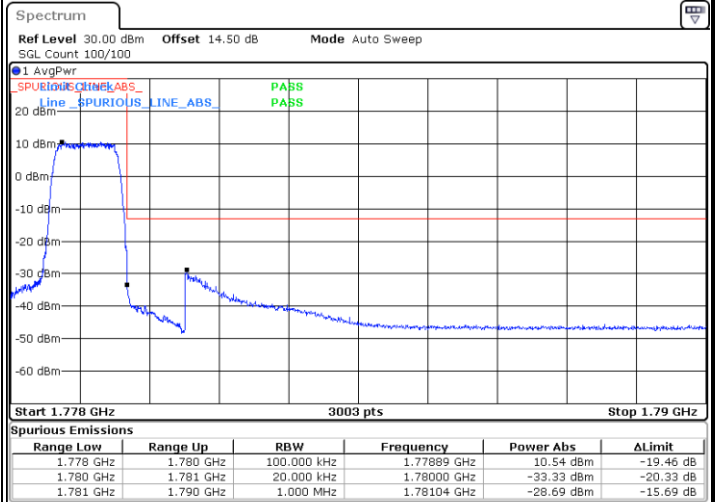
Date: 22.AUG.2023 13:17:16

Lowest Band Edge / Full RB



Date: 22.AUG.2023 13:05:37

Highest Band Edge / Full RB

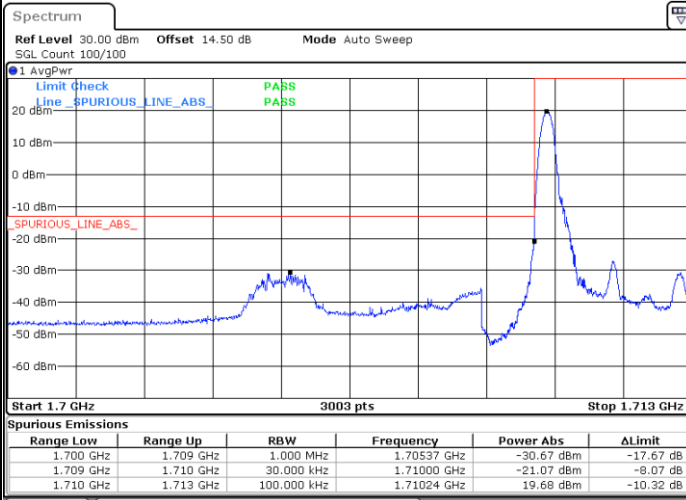


Date: 22.AUG.2023 13:20:40



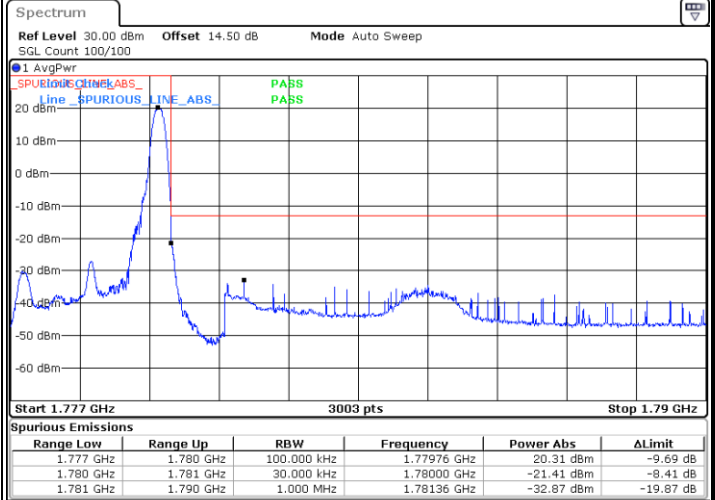
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



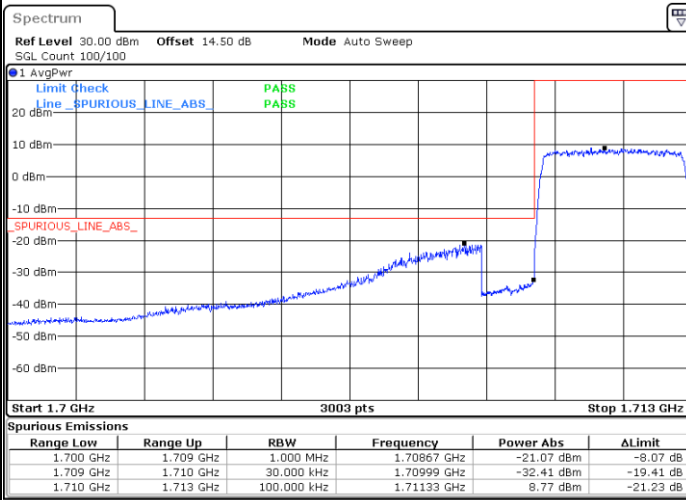
Date: 22.AUG.2023 13:22:12

Highest Band Edge / 1RB



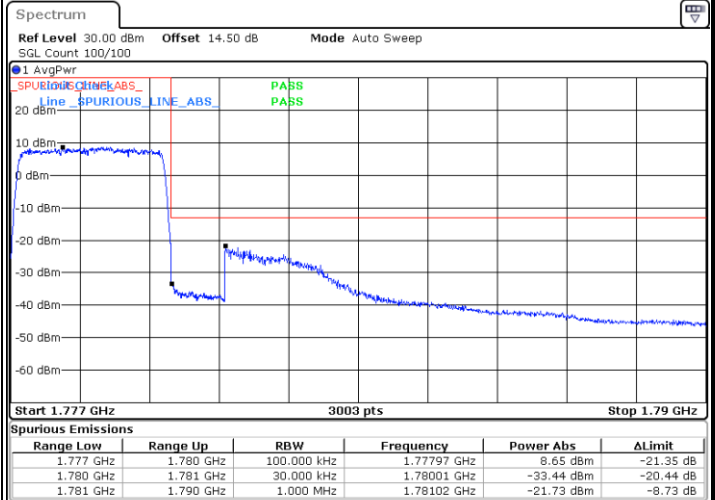
Date: 22.AUG.2023 13:30:21

Lowest Band Edge / Full RB



Date: 22.AUG.2023 13:25:36

Highest Band Edge / Full RB



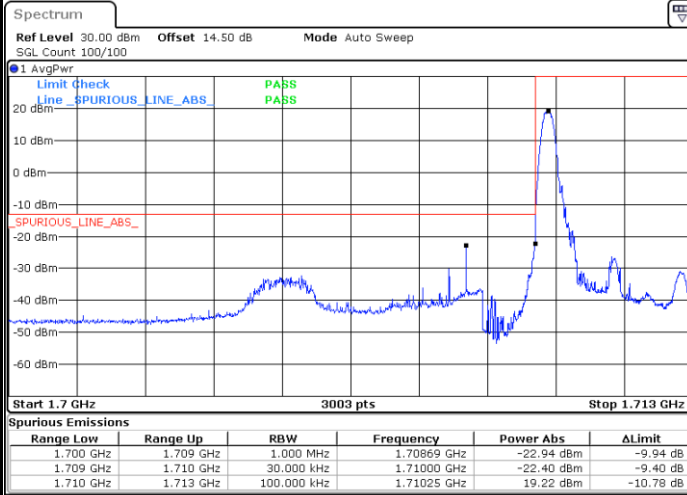
Date: 22.AUG.2023 13:32:40





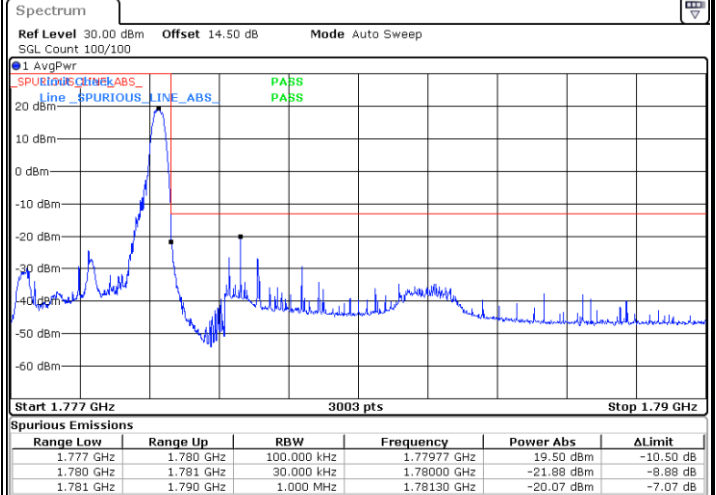
LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



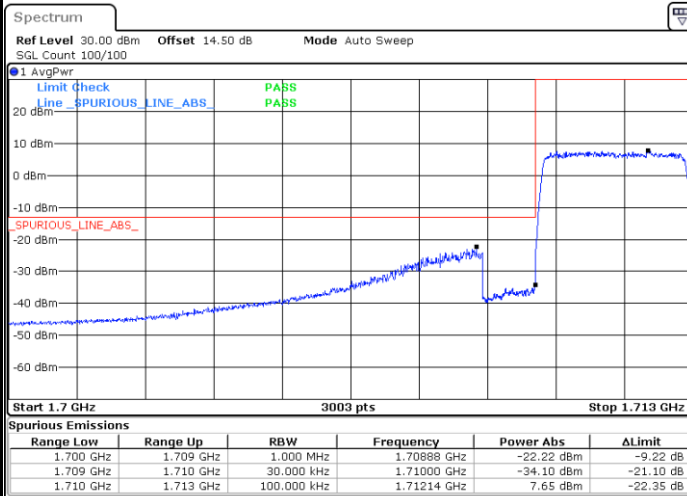
Date: 22.AUG.2023 13:22:58

Highest Band Edge / 1 RB



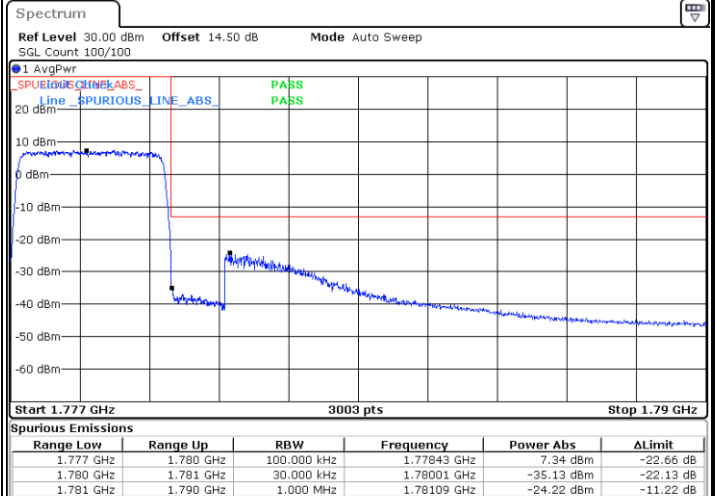
Date: 22.AUG.2023 13:31:07

Lowest Band Edge / Full RB



Date: 22.AUG.2023 13:26:22

Highest Band Edge / Full RB

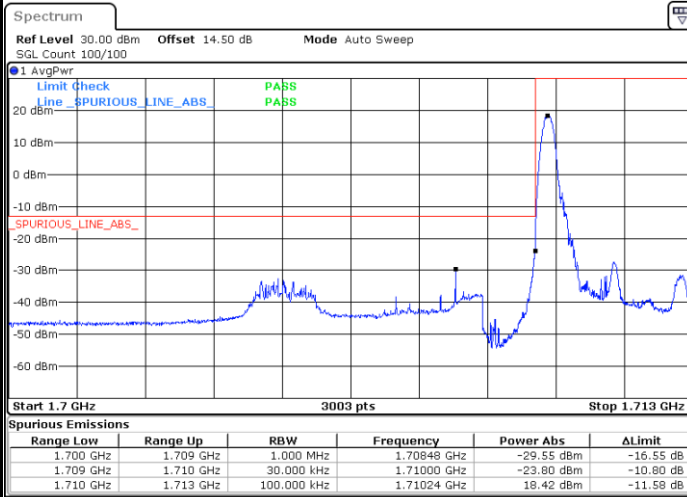


Date: 22.AUG.2023 13:33:26



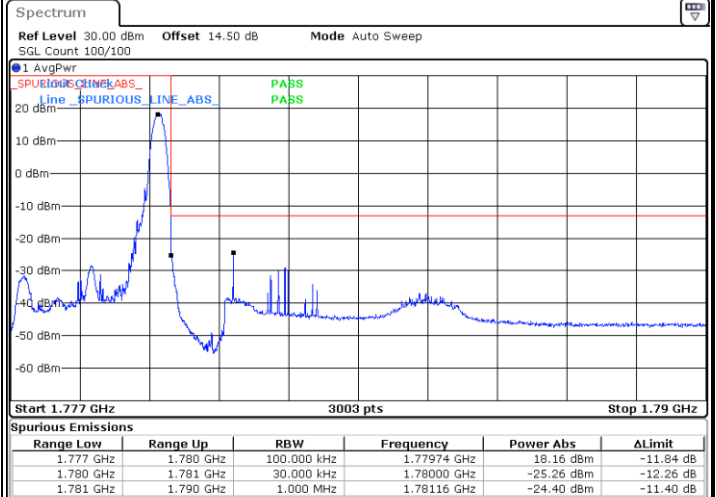
LTE Band 66 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



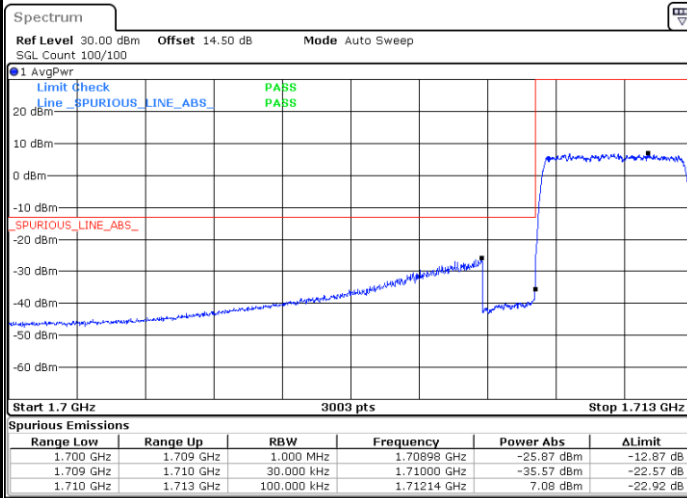
Date: 22.AUG.2023 13:23:44

Highest Band Edge / 1 RB



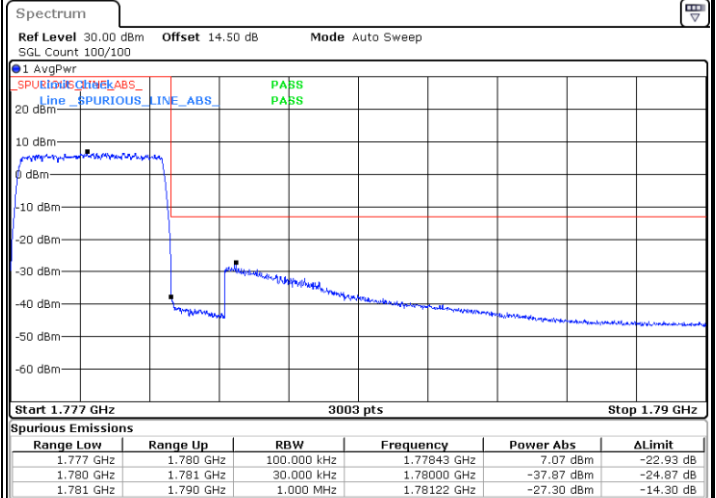
Date: 22.AUG.2023 13:31:54

Lowest Band Edge / Full RB



Date: 22.AUG.2023 13:27:08

Highest Band Edge / Full RB

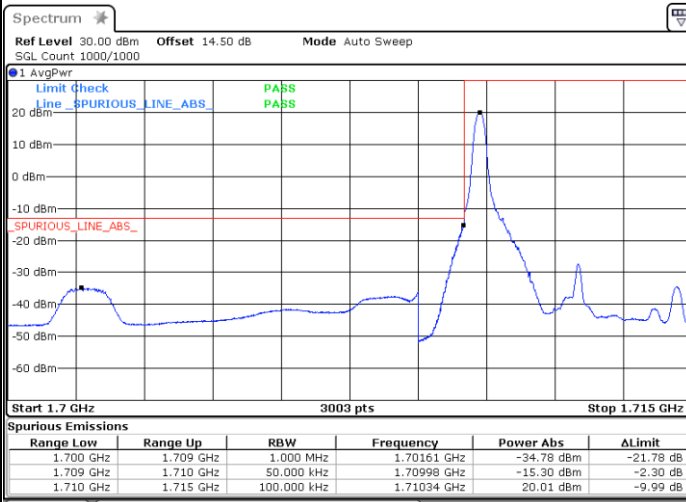


Date: 22.AUG.2023 13:34:12



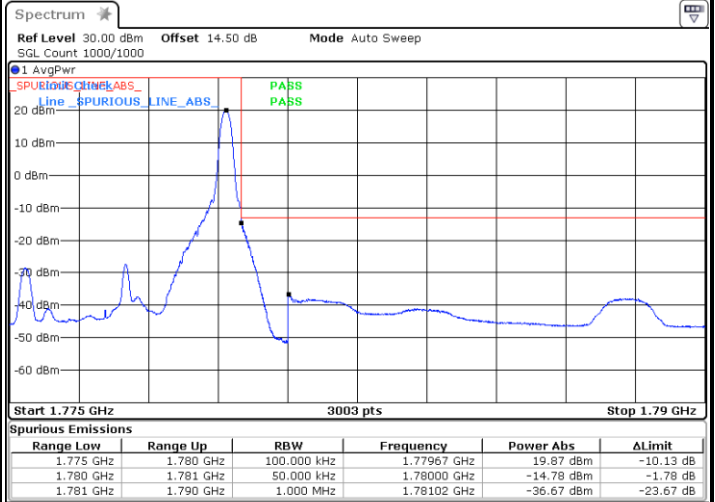
LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / 1RB



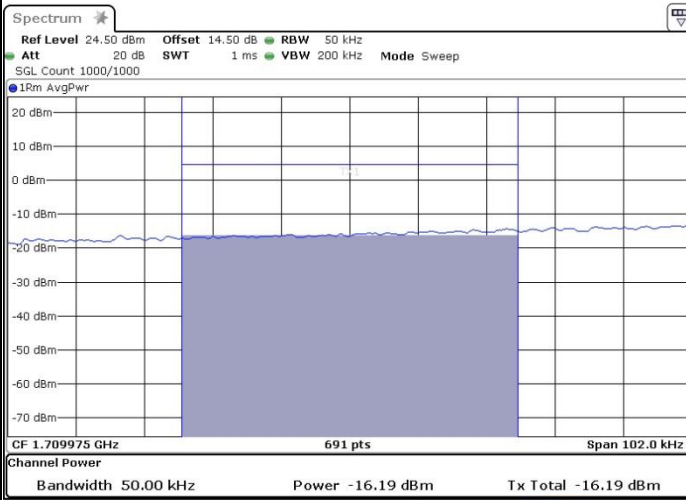
Date: 22.AUG.2023 15:42:56

Highest Band Edge / 1RB



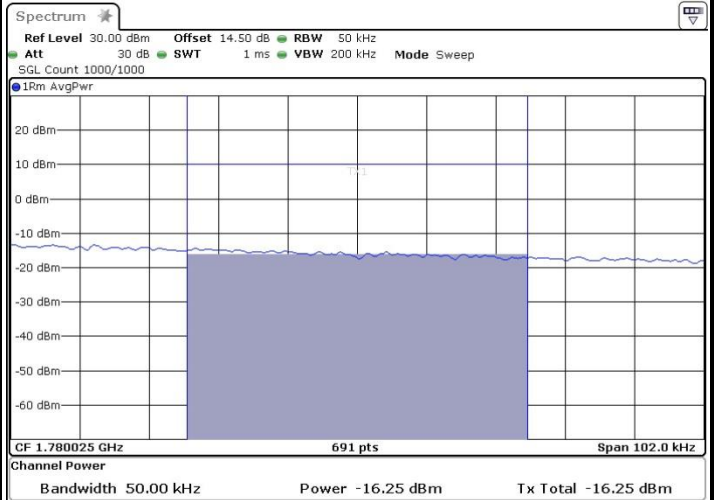
Date: 22.AUG.2023 15:59:53

Lowest Band Edge / 1RB-CP

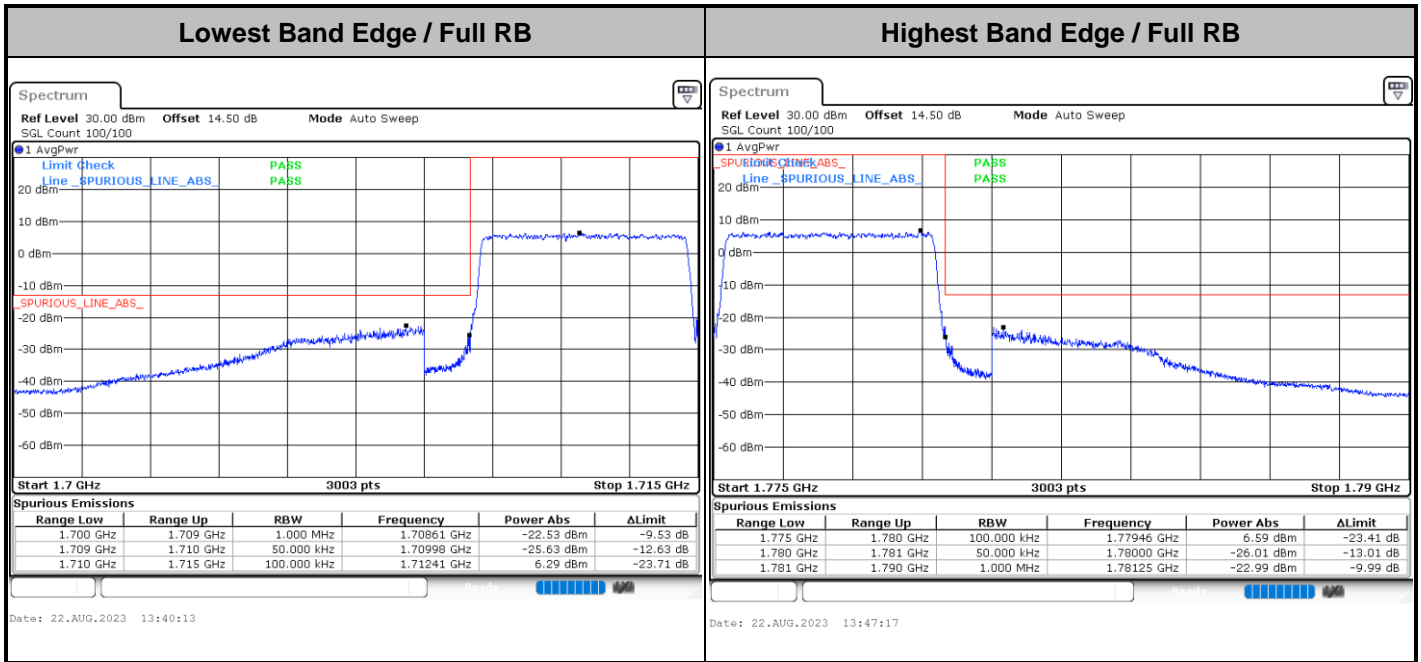


Date: 22.AUG.2023 15:47:45

Highest Band Edge / 1RB-CP



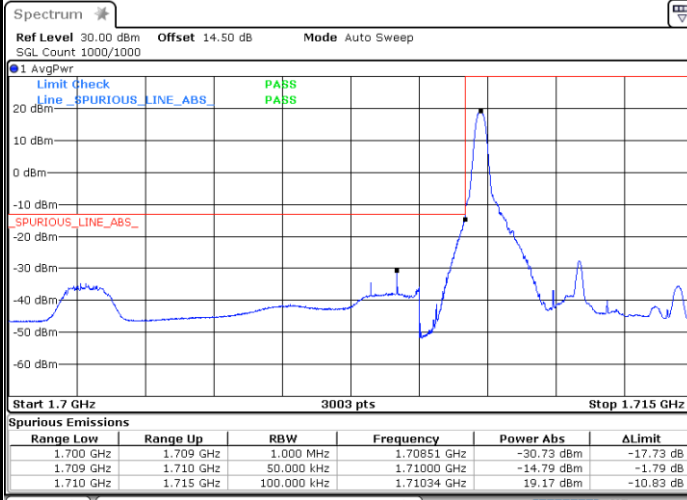
Date: 22.AUG.2023 16:01:13





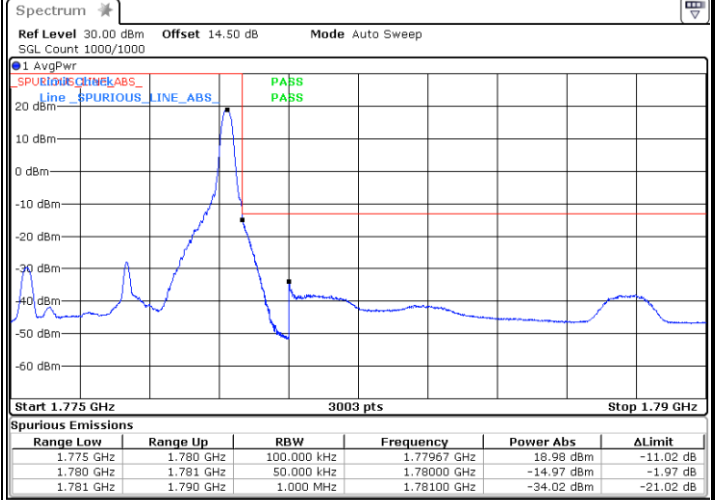
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



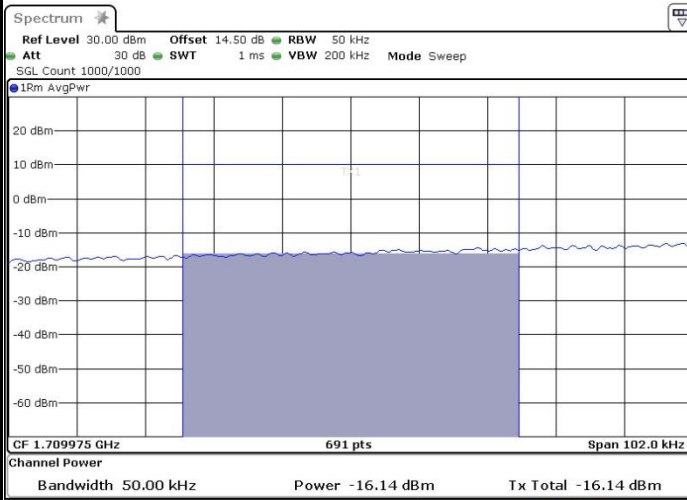
Date: 22.AUG.2023 15:49:23

Highest Band Edge / 1 RB



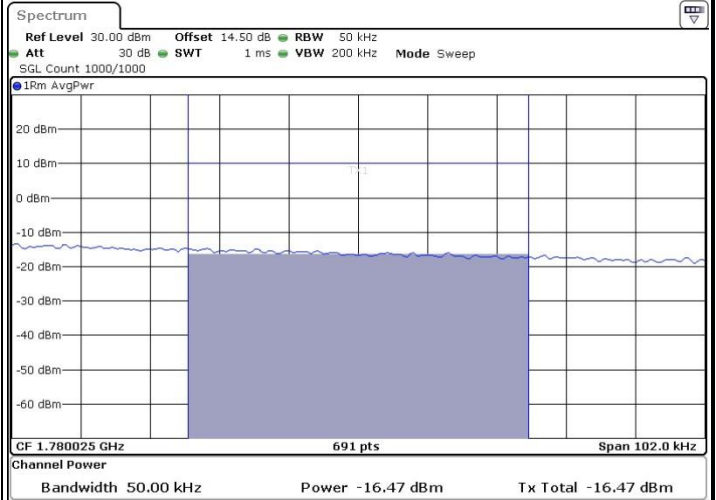
Date: 22.AUG.2023 16:02:27

Lowest Band Edge / 1 RB-CP

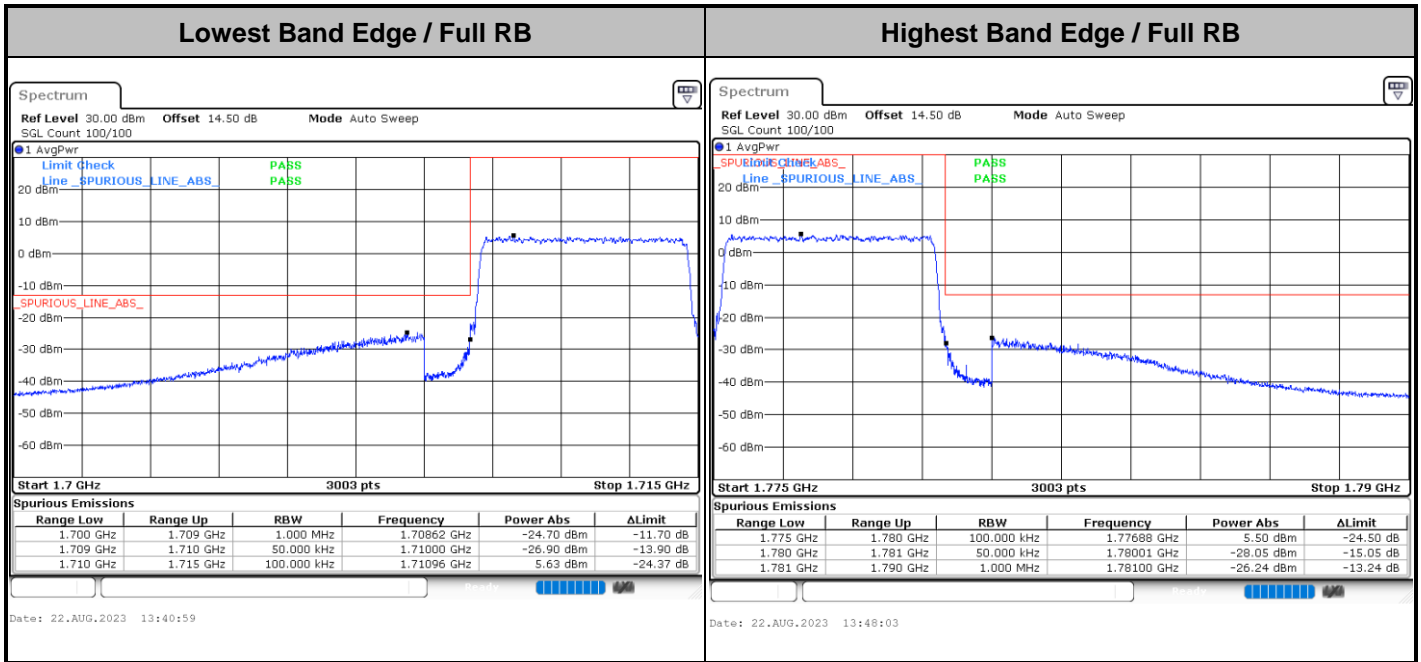


Date: 22.AUG.2023 15:54:57

Highest Band Edge / 1 RB-CP



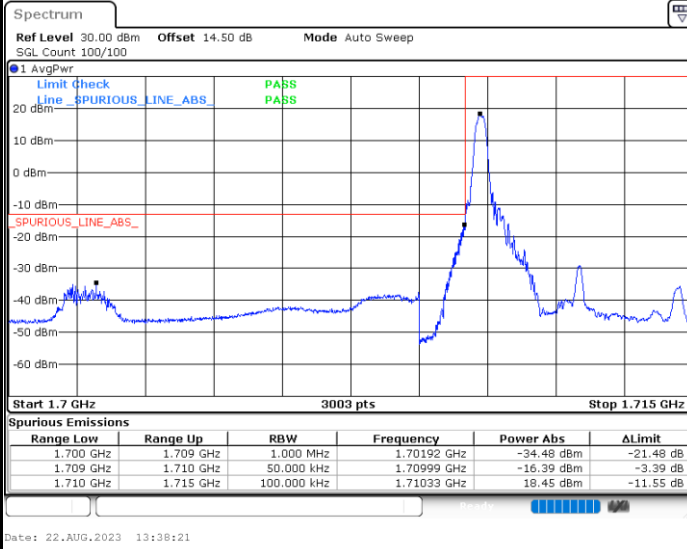
Date: 22.AUG.2023 16:04:08



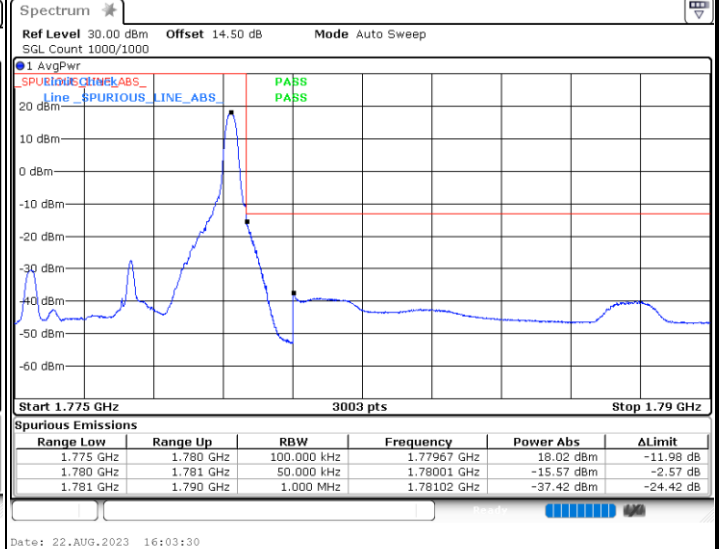


LTE Band 66 / 5MHz / 64QAM

Lowest Band Edge / 1 RB

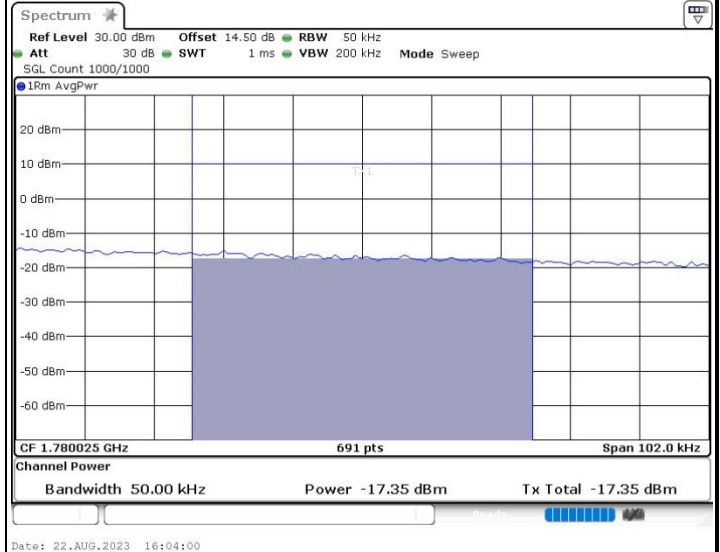


Highest Band Edge / 1 RB

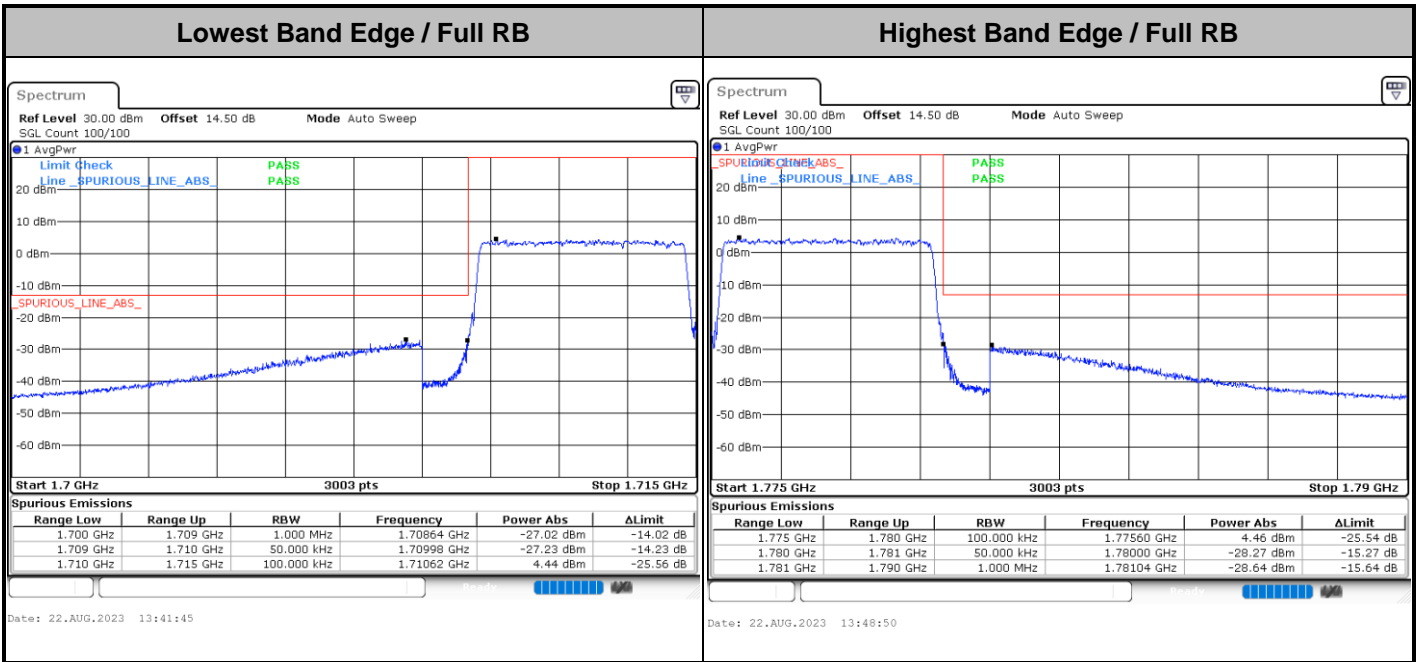


NA

Highest Band Edge / 1 RB-CP



NA

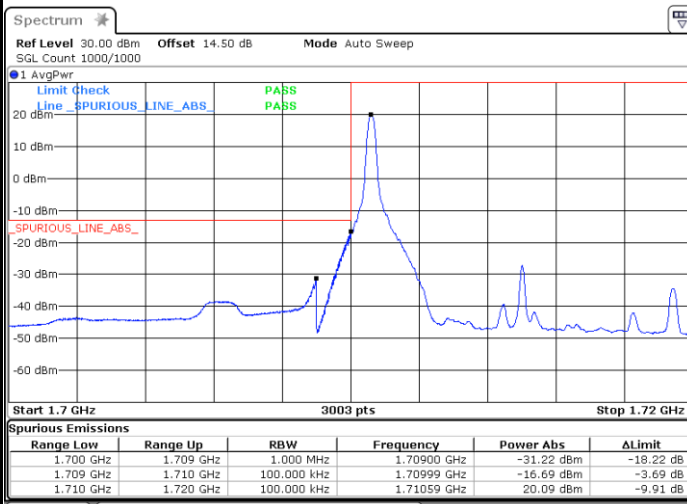






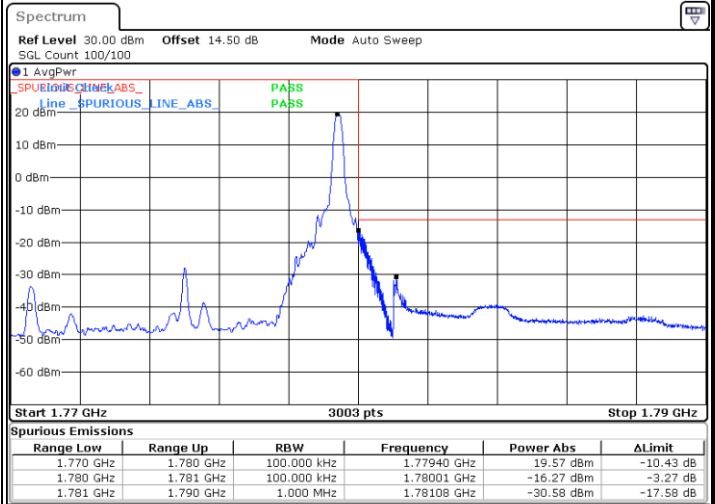
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1RB



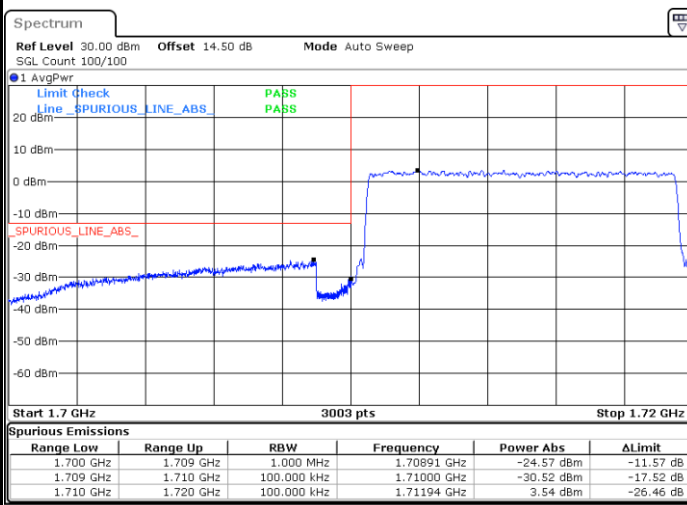
Date: 22.AUG.2023 16:06:21

Highest Band Edge / 1RB



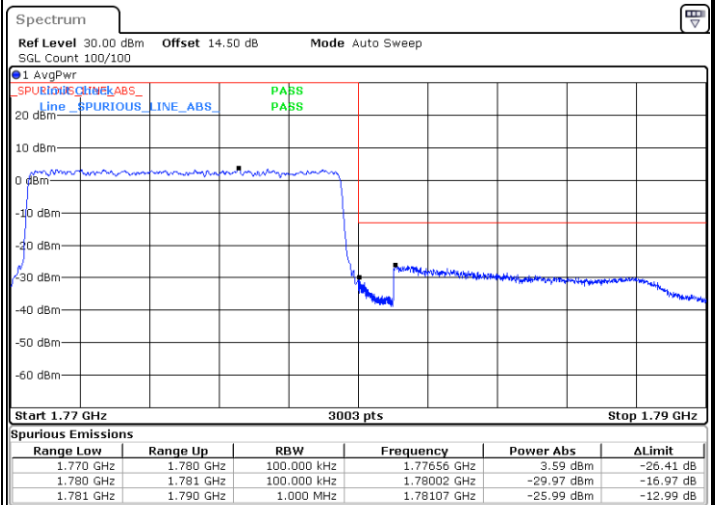
Date: 22.AUG.2023 13:59:37

Lowest Band Edge / Full RB



Date: 22.AUG.2023 13:53:46

Highest Band Edge / Full RB

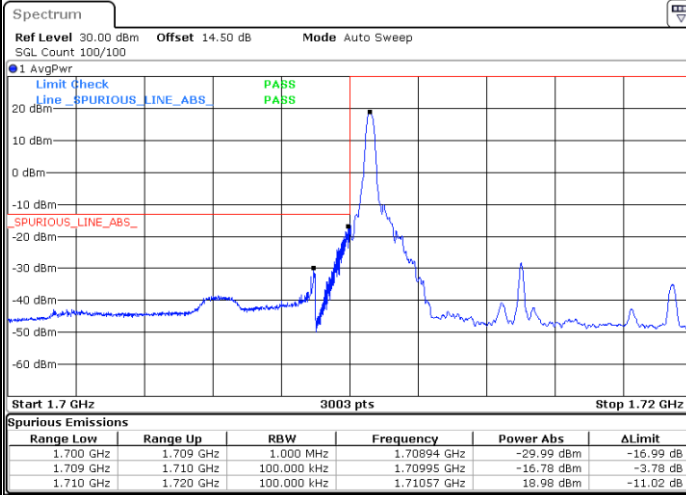


Date: 22.AUG.2023 14:01:55



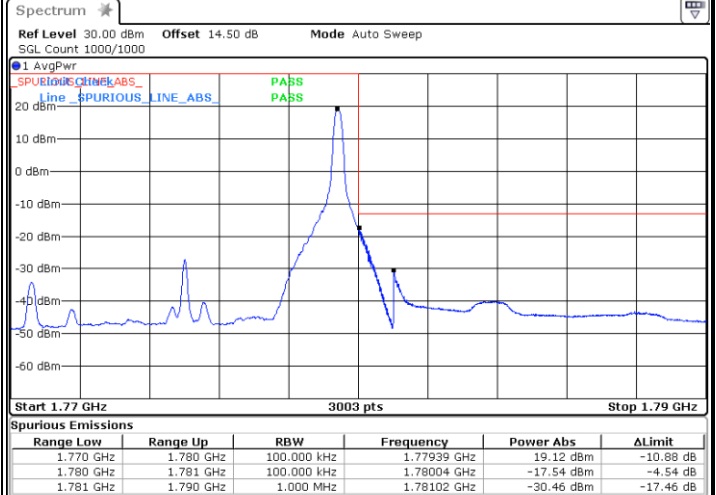
LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



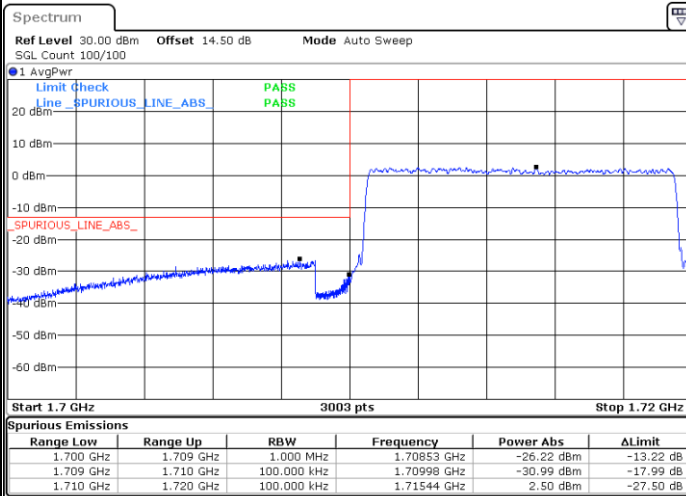
Date: 22.AUG.2023 16:07:11

Highest Band Edge / 1 RB



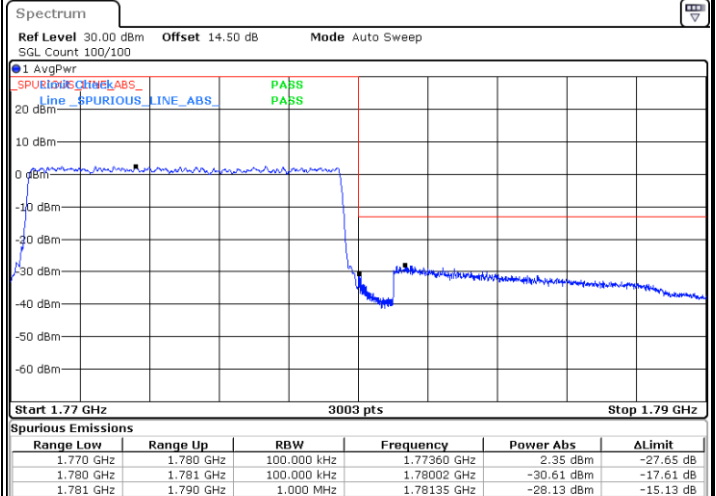
Date: 22.AUG.2023 16:09:35

Lowest Band Edge / Full RB



Date: 22.AUG.2023 13:54:32

Highest Band Edge / Full RB

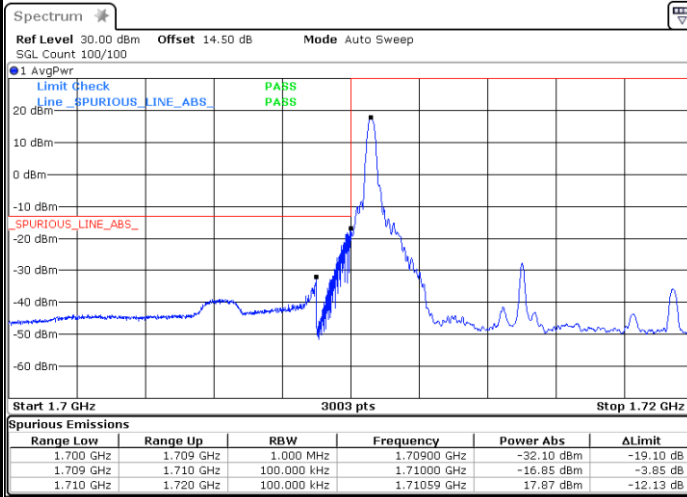


Date: 22.AUG.2023 14:02:42



LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



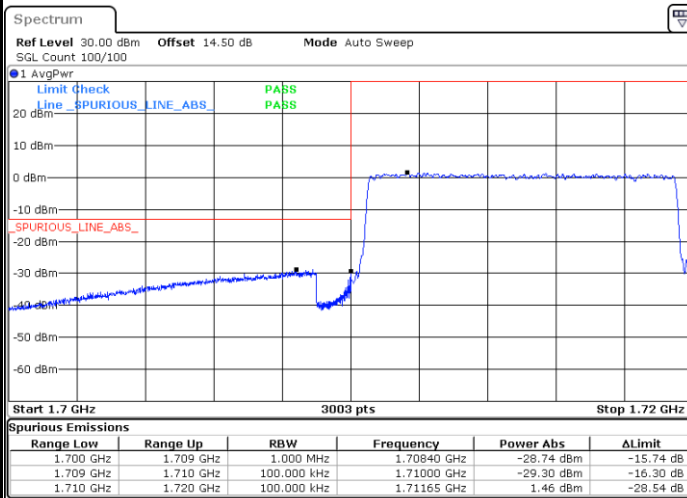
Date: 22.AUG.2023 16:07:58

Highest Band Edge / 1 RB



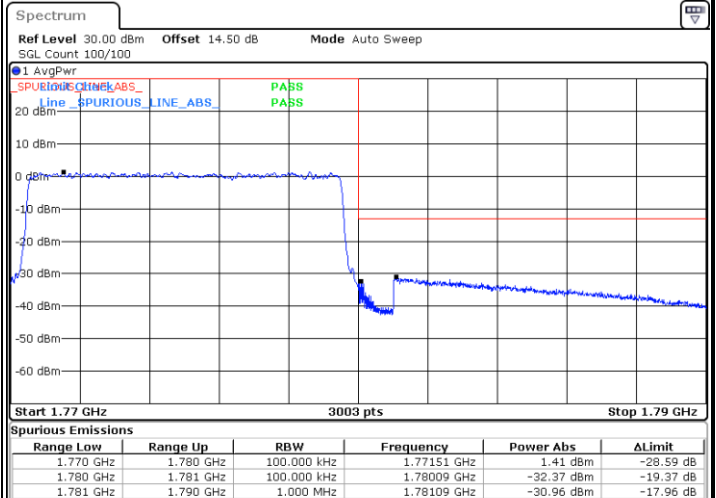
Date: 22.AUG.2023 14:01:09

Lowest Band Edge / Full RB



Date: 22.AUG.2023 13:55:18

Highest Band Edge / Full RB

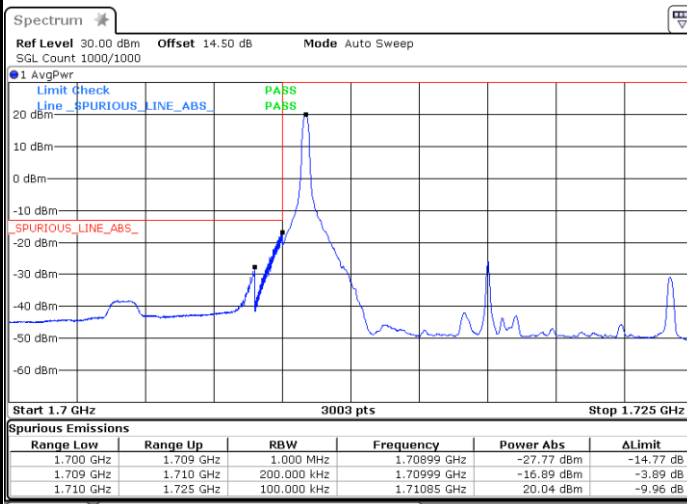


Date: 22.AUG.2023 14:03:28



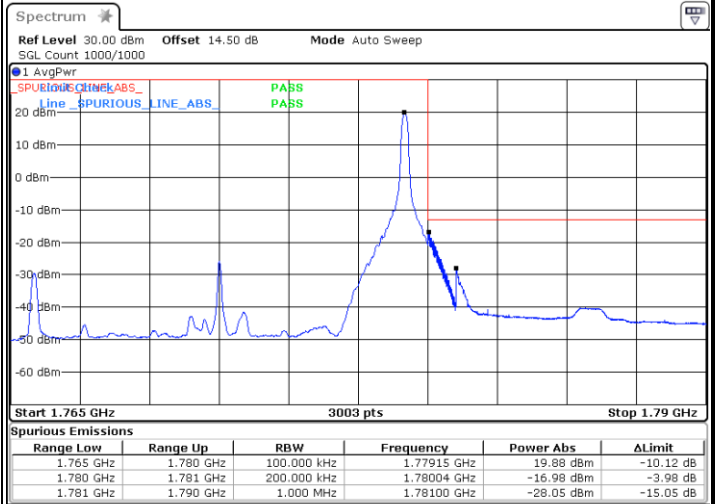
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1RB



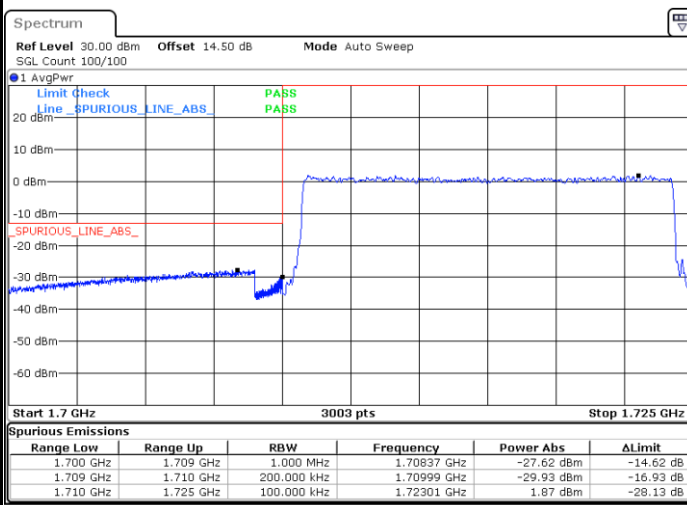
Date: 22.AUG.2023 16:12:22

Highest Band Edge / 1RB



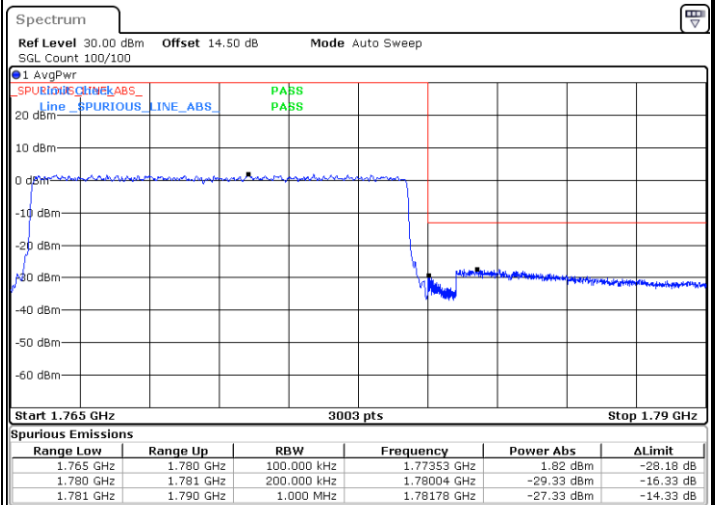
Date: 22.AUG.2023 16:15:46

Lowest Band Edge / Full RB



Date: 22.AUG.2023 14:08:24

Highest Band Edge / Full RB

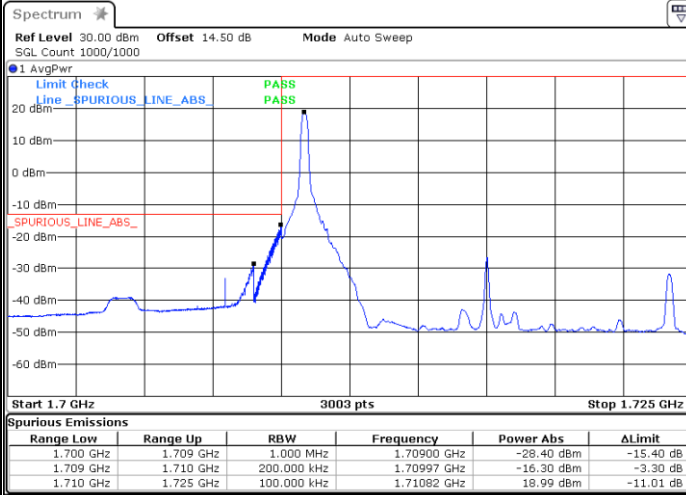


Date: 22.AUG.2023 14:16:33



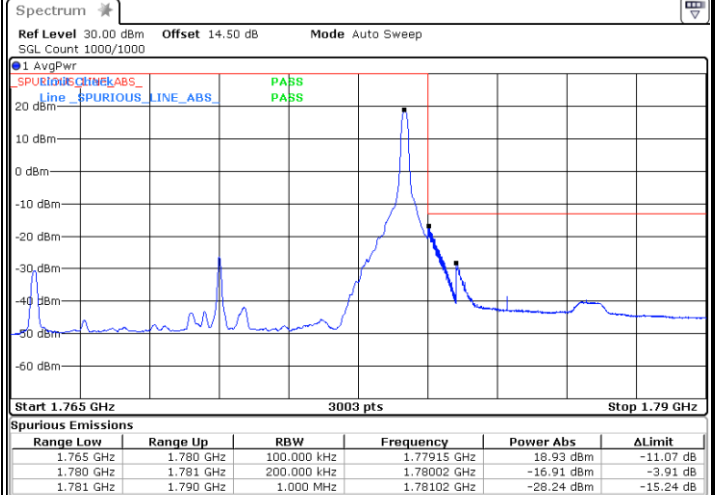
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



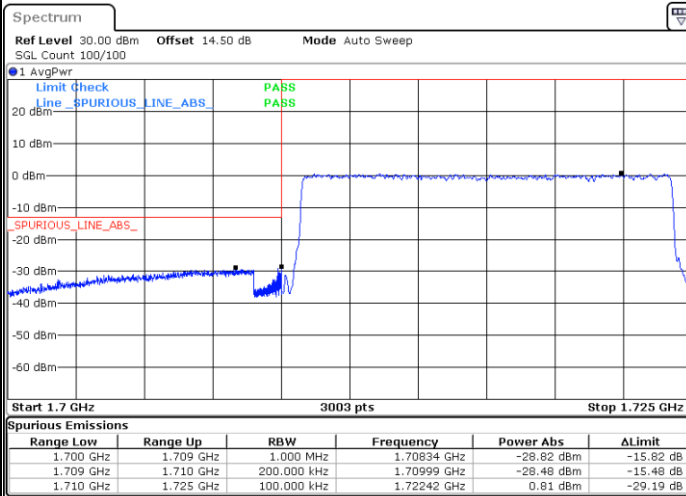
Date: 22.AUG.2023 16:11:27

Highest Band Edge / 1 RB



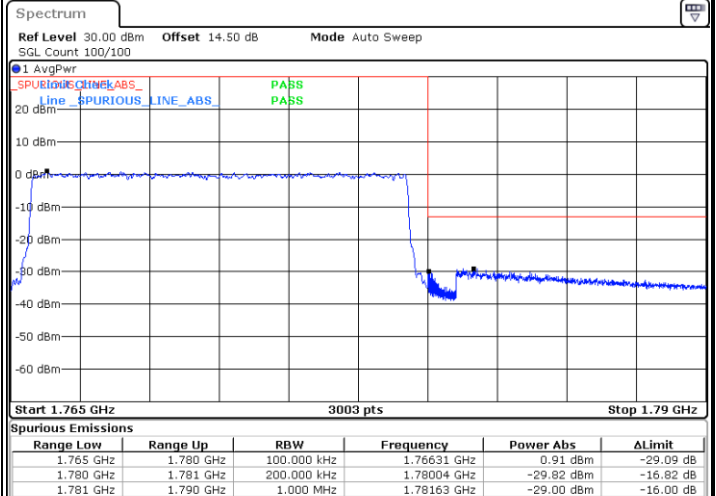
Date: 22.AUG.2023 16:14:51

Lowest Band Edge / Full RB



Date: 22.AUG.2023 14:09:10

Highest Band Edge / Full RB

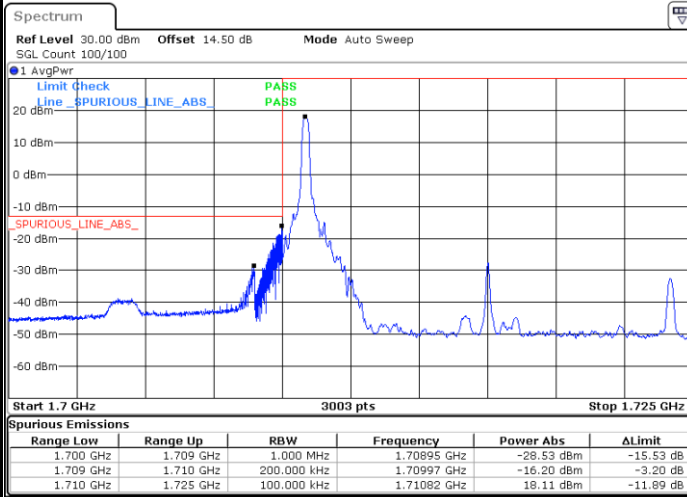


Date: 22.AUG.2023 14:17:19



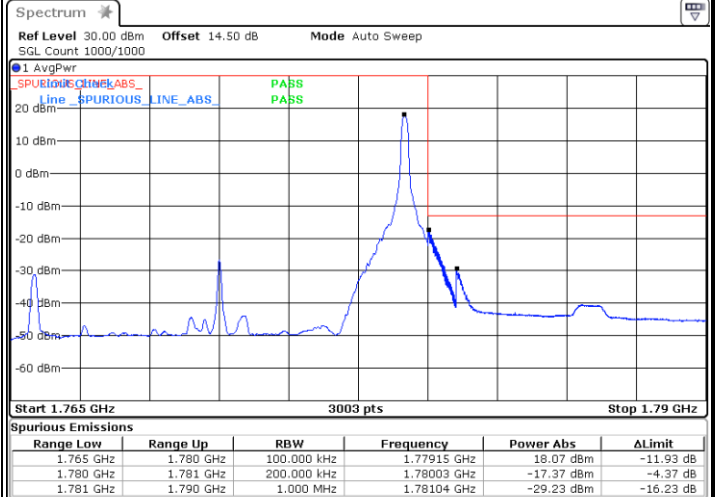
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



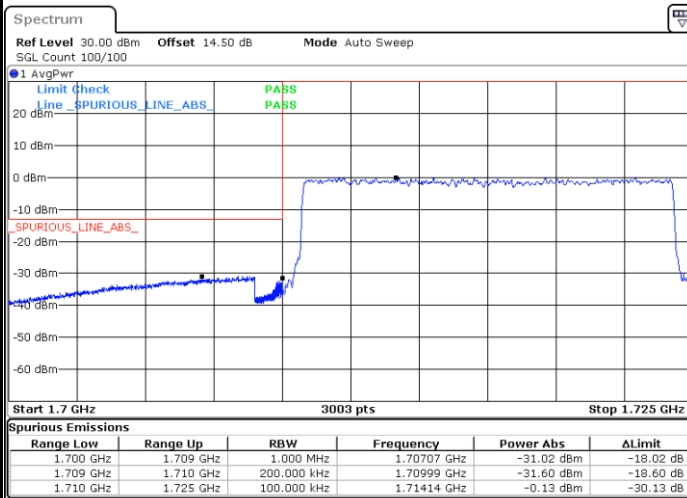
Date: 22.AUG.2023 16:12:55

Highest Band Edge / 1 RB



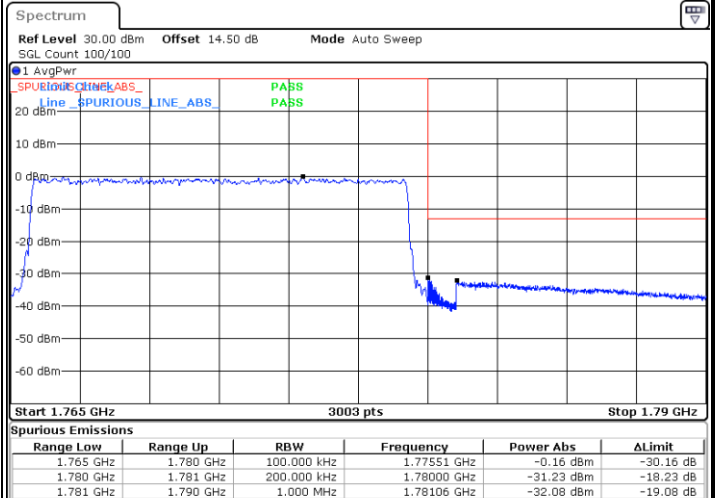
Date: 22.AUG.2023 16:13:58

Lowest Band Edge / Full RB



Date: 22.AUG.2023 14:09:56

Highest Band Edge / Full RB

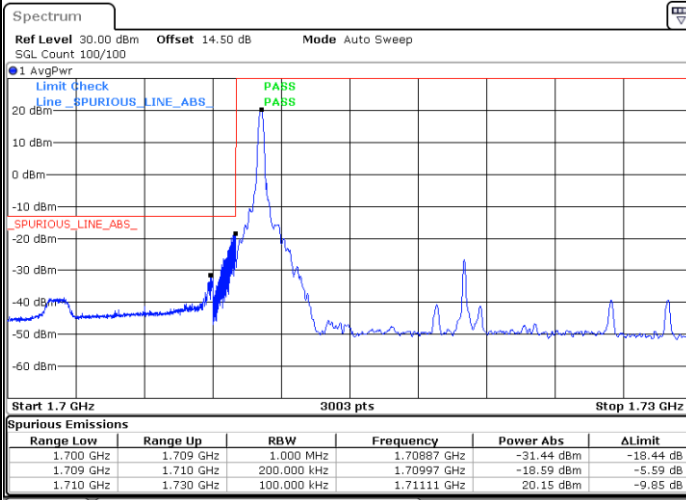


Date: 22.AUG.2023 14:18:05



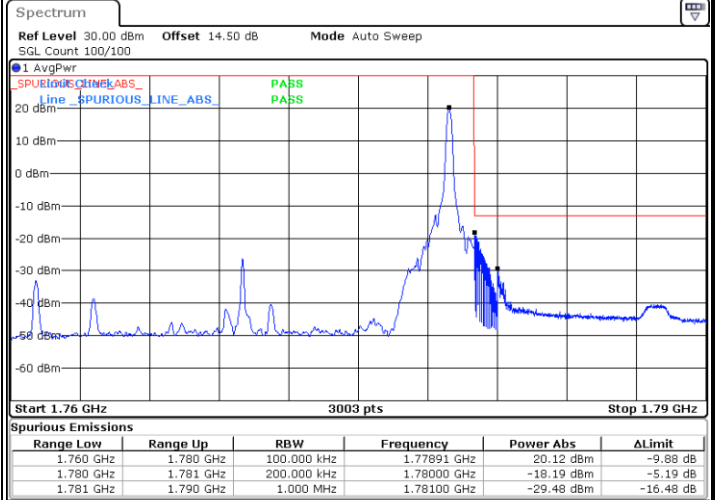
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1RB



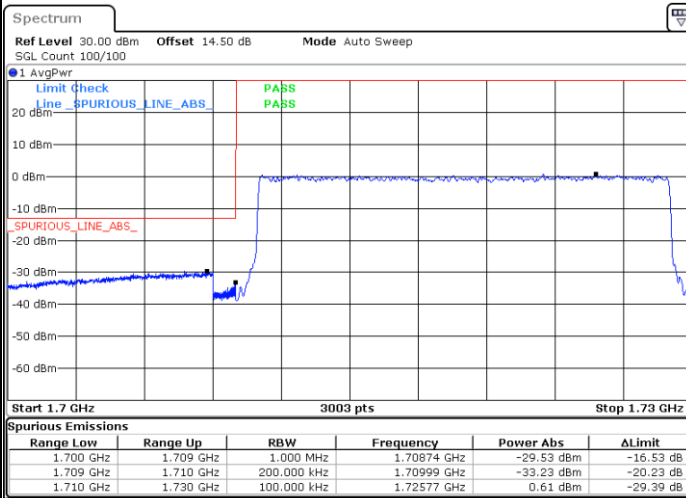
Date: 22.AUG.2023 14:20:42

Highest Band Edge / 1RB



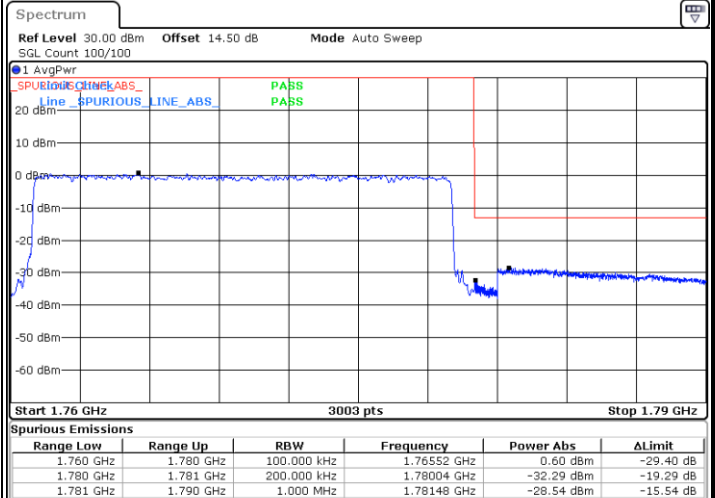
Date: 22.AUG.2023 14:30:15

Lowest Band Edge / Full RB



Date: 22.AUG.2023 14:23:01

Highest Band Edge / Full RB



Date: 22.AUG.2023 14:32:34