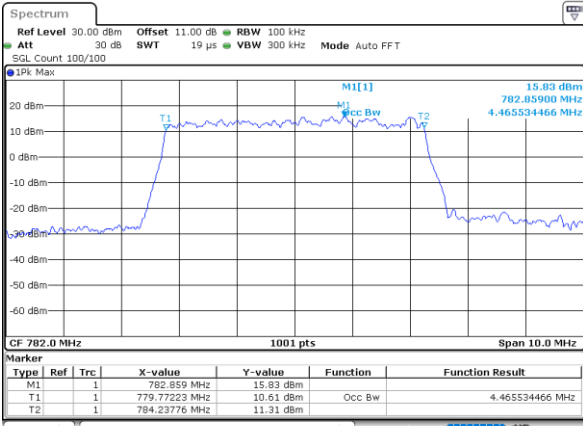




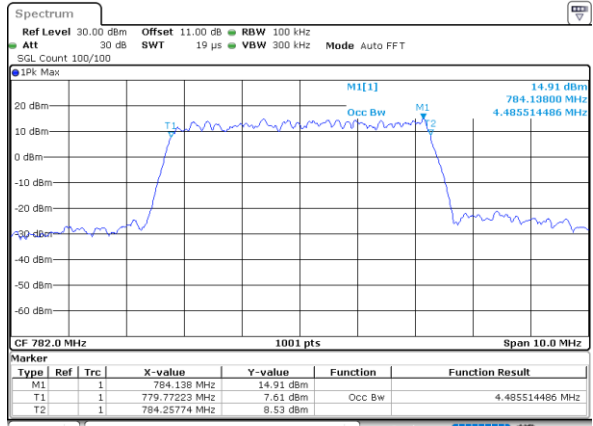
LTE Band 13

Middle Channel / 5MHz / QPSK



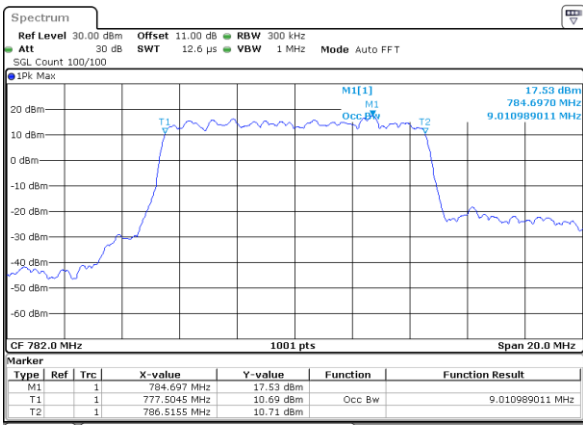
Date: 24.AUG.2023 22:25:12

Middle Channel / 5MHz / 16QAM



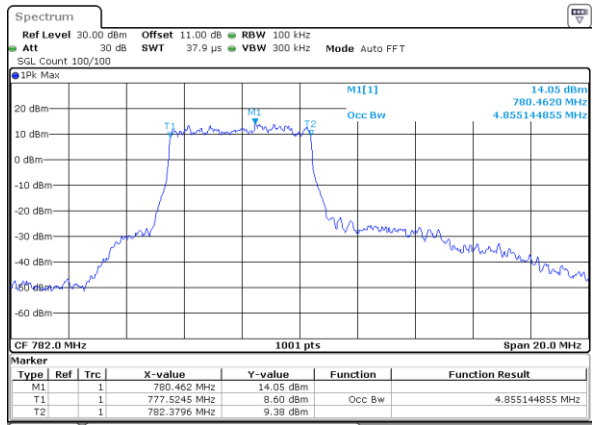
Date: 24.AUG.2023 22:24:49

Middle Channel / 10MHz / QPSK



Date: 5.SEP.2023 21:40:54

Middle Channel / 10MHz / 16QAM



Date: 24.AUG.2023 22:30:40

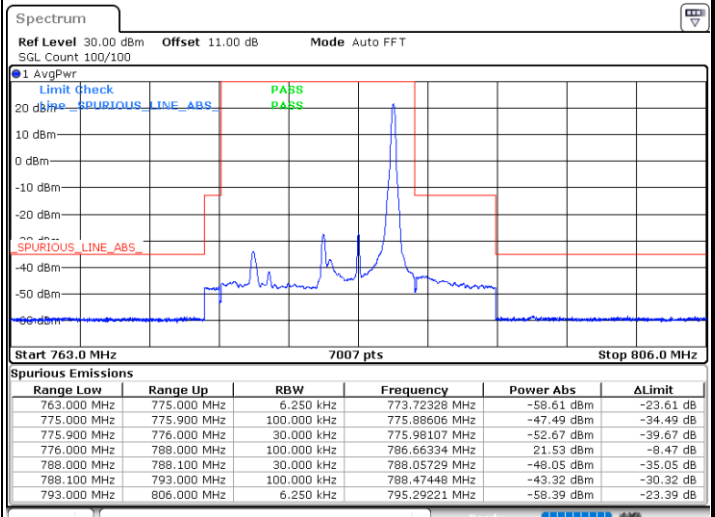
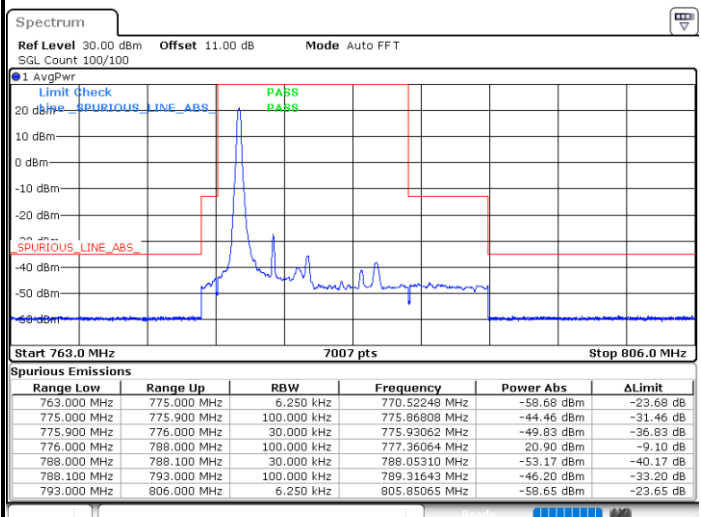


# Conducted Band Edge

## LTE Band 13 / 5MHz / QPSK

### Lowest Band Edge / 1 RB

### Highest Band Edge / 1 RB

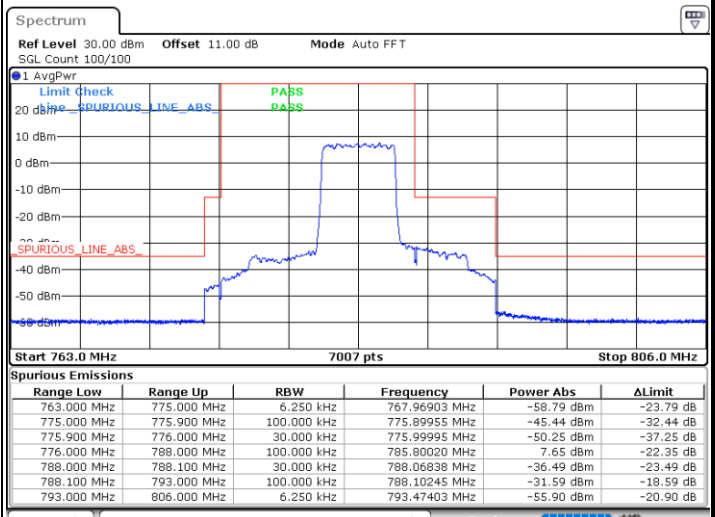
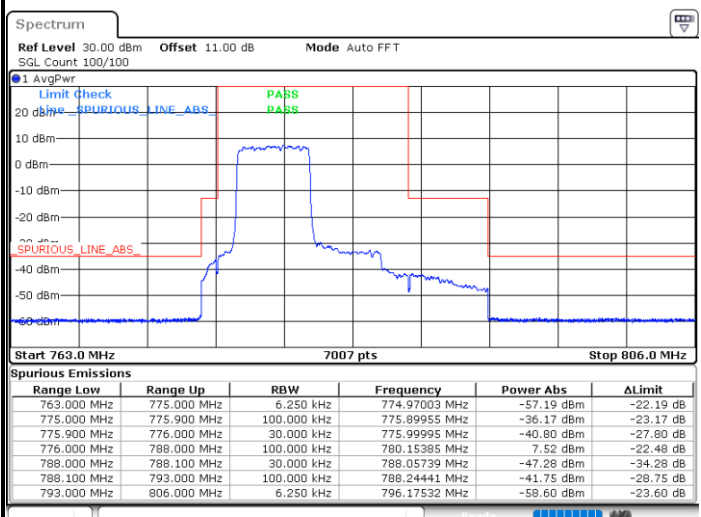


Date: 24.AUG.2023 22:21:31

Date: 24.AUG.2023 22:28:48

### Lowest Band Edge / Full RB

### Highest Band Edge / Full RB



Date: 24.AUG.2023 22:18:48

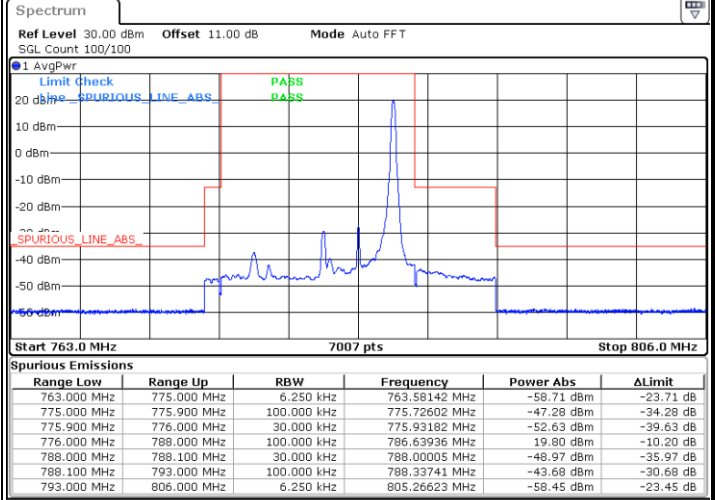
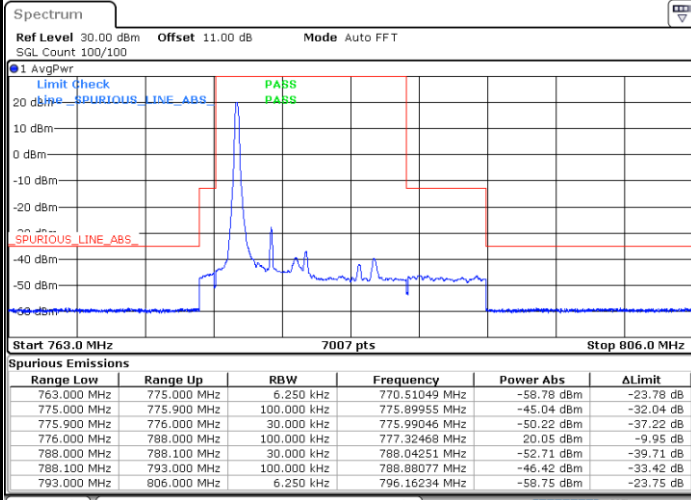
Date: 24.AUG.2023 22:26:05



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

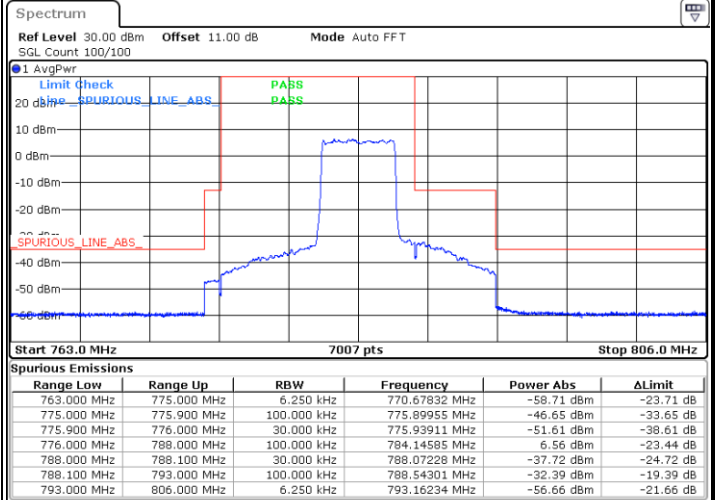
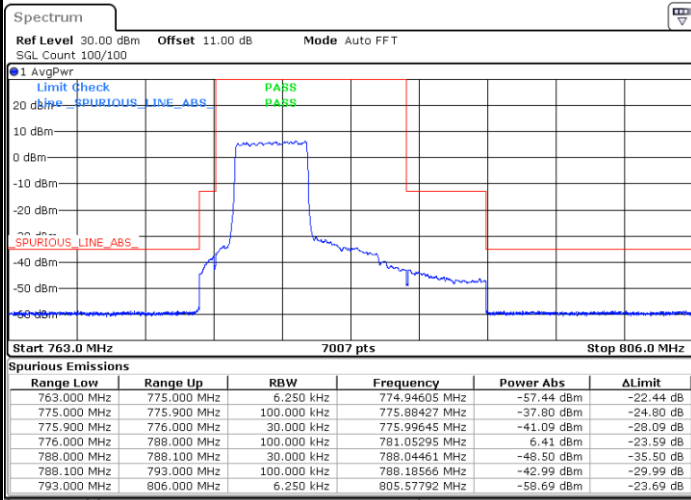


Date: 24.AUG.2023 22:20:37

Date: 24.AUG.2023 22:27:54

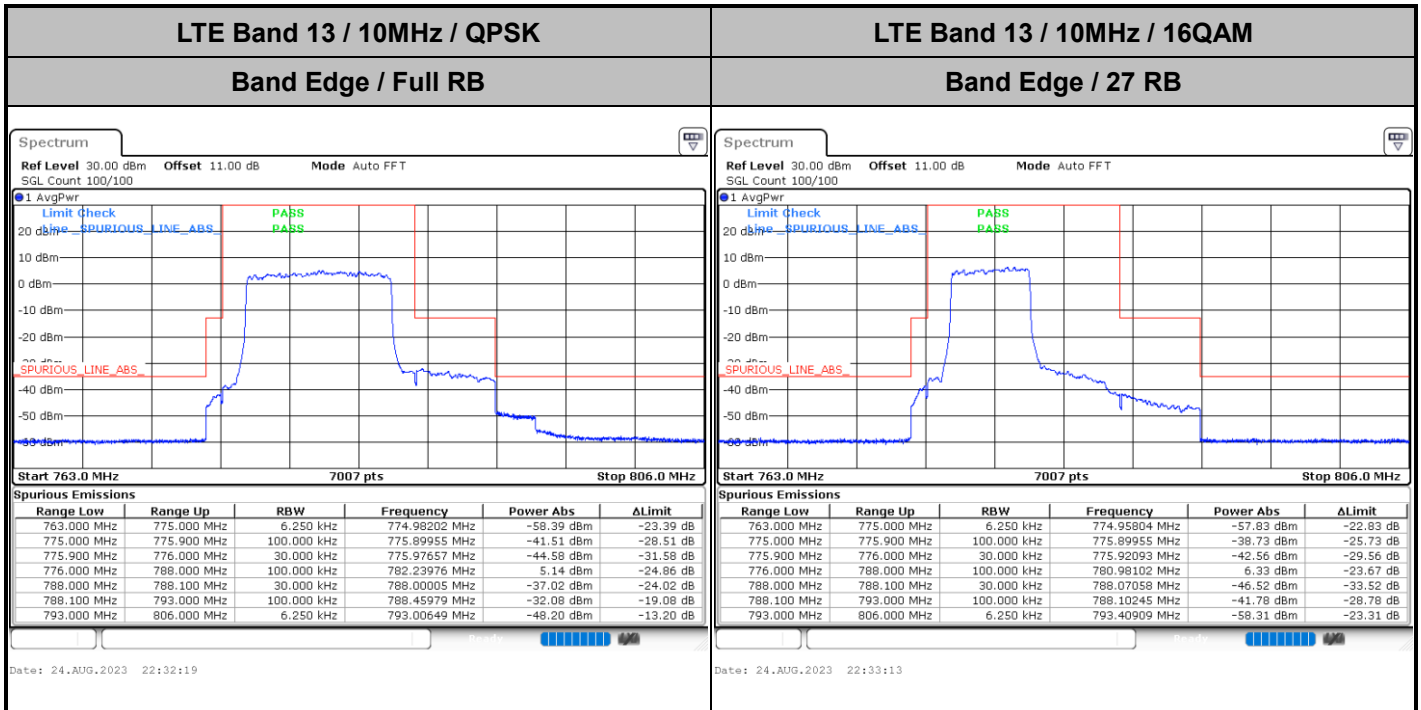
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



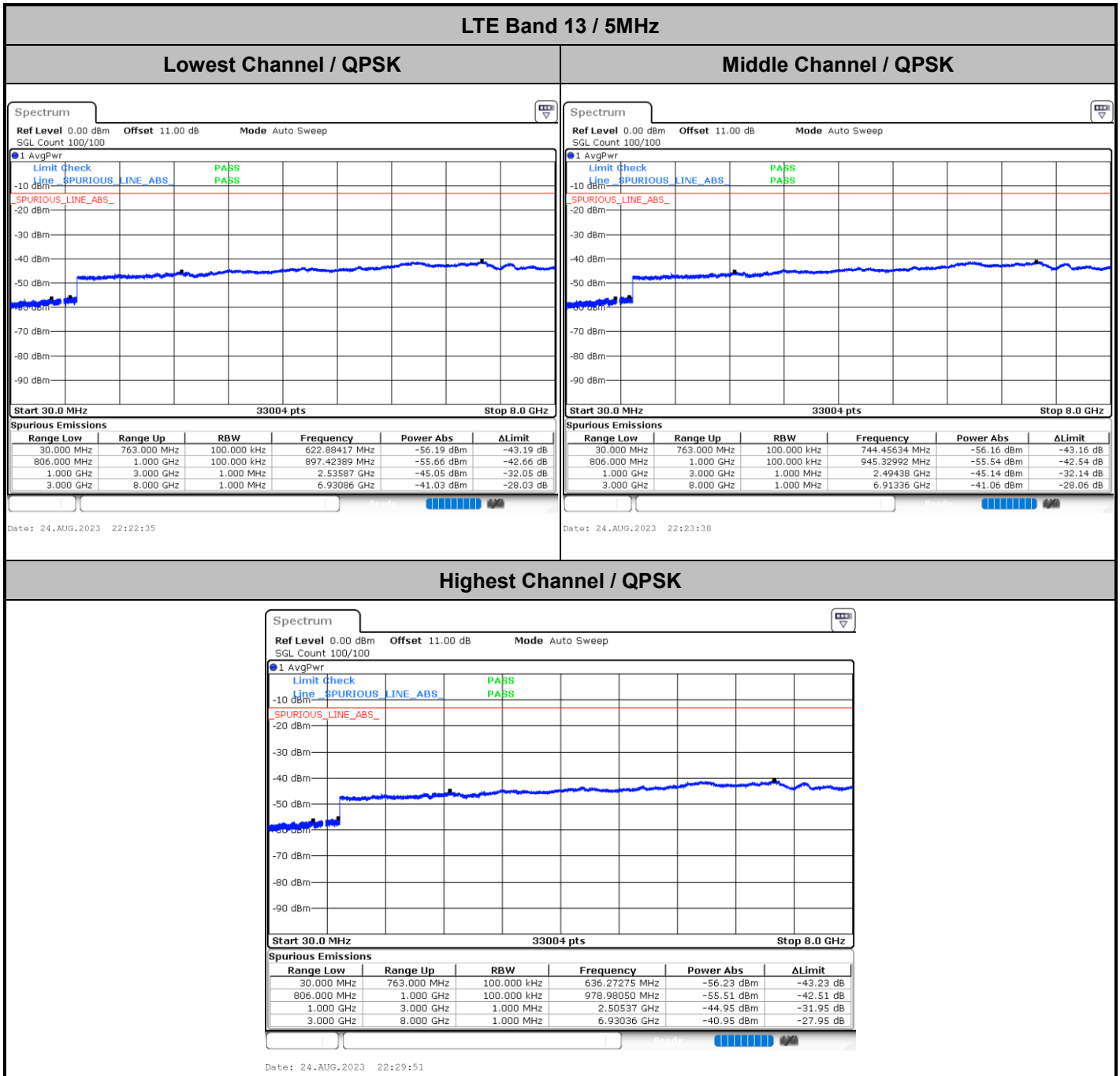
Date: 24.AUG.2023 22:19:42

Date: 24.AUG.2023 22:26:59





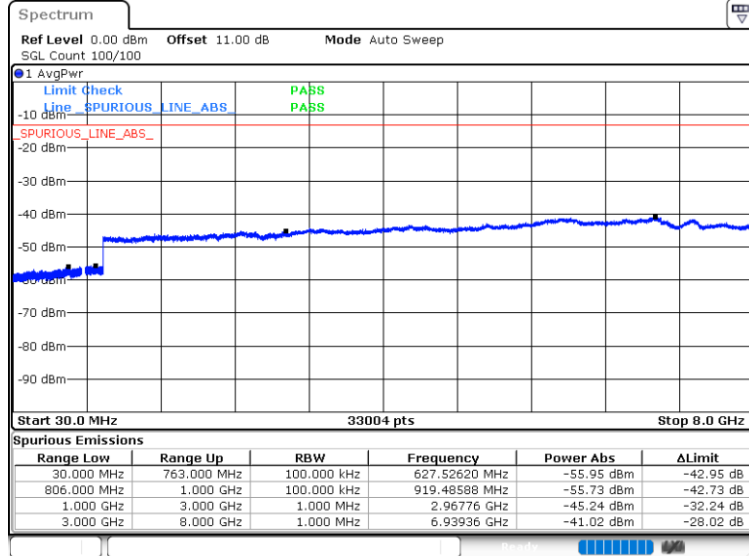
# Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 24.AUG.2023 22:34:41



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	0.0105	PASS
40	Normal Voltage	0.0054	
30	Normal Voltage	0.0145	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0173	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0072	
-20	Normal Voltage	0.0138	
-30	Normal Voltage	0.0000	
20	Maximum Voltage	0.0197	
20	Normal Voltage	0.0105	
20	Battery End Point	0.0054	

Note:

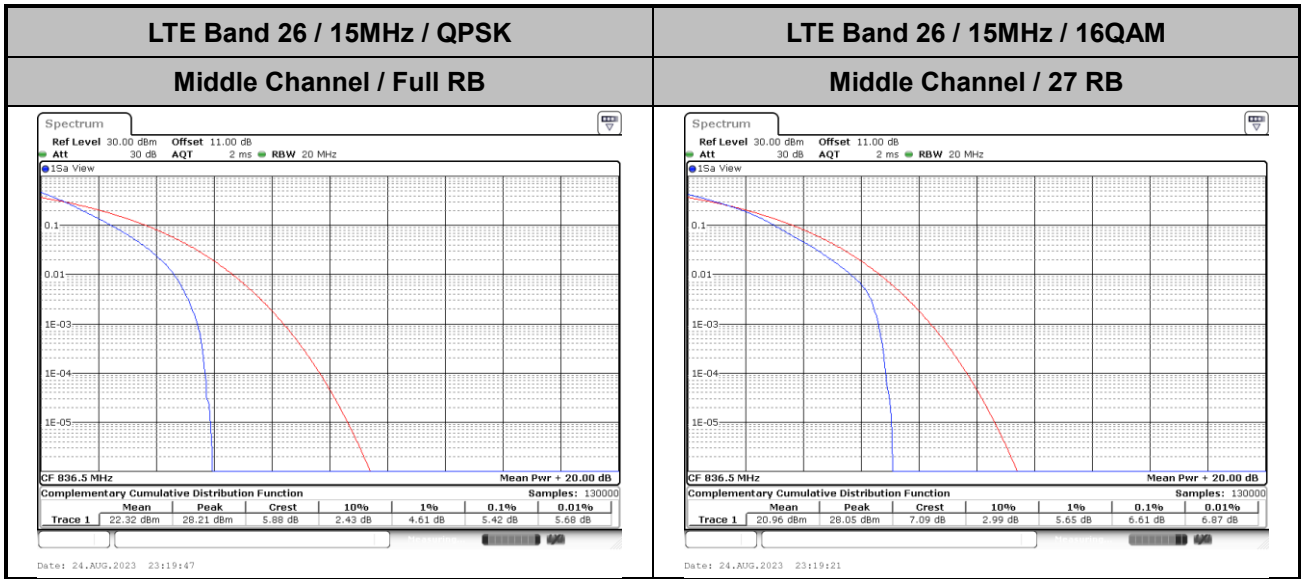
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 26

## Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	27RB	Result
Middle CH	5.42	6.61	PASS







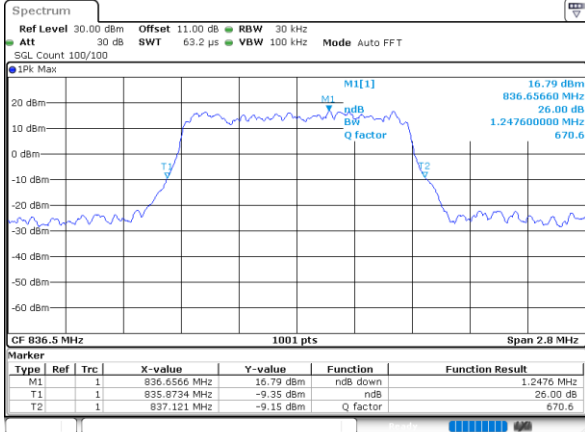
**26dB Bandwidth**

Mode	LTE Band 26 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.25	1.27	3.01	3.01	4.97	4.80	9.69	5.40	14.48	5.37	-	-



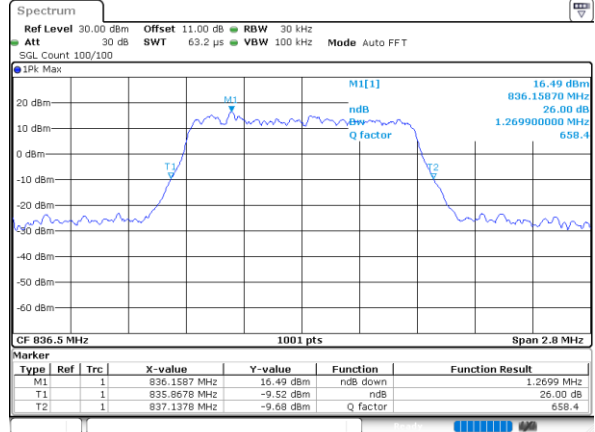
LTE Band 26

Middle Channel / 1.4MHz / QPSK



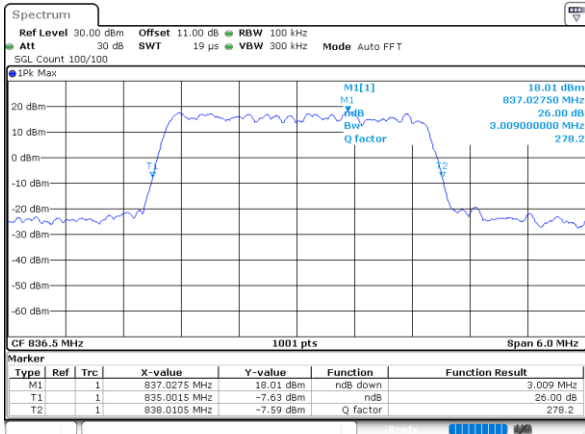
Date: 24.AUG.2023 22:52:20

Middle Channel / 1.4MHz / 16QAM



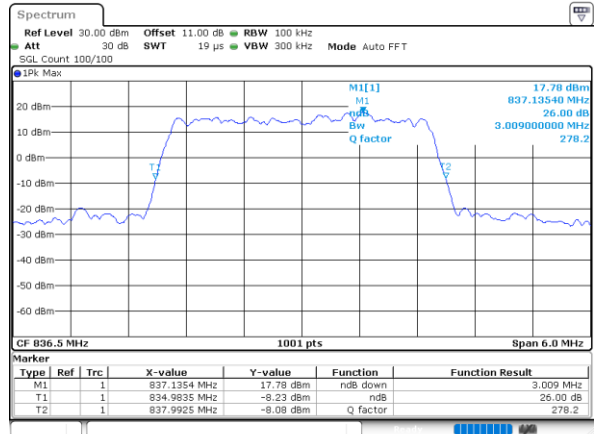
Date: 24.AUG.2023 22:51:56

Middle Channel / 3MHz / QPSK



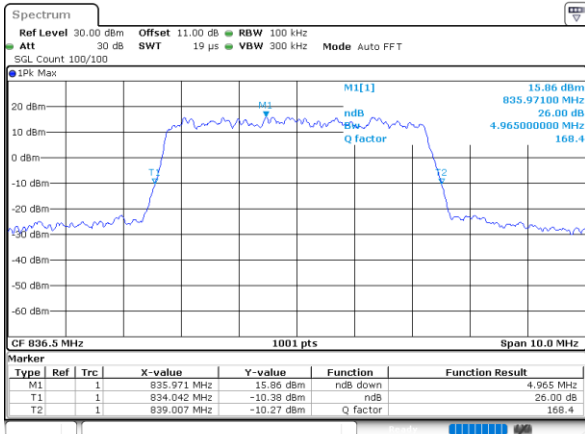
Date: 24.AUG.2023 23:01:28

Middle Channel / 3MHz / 16QAM



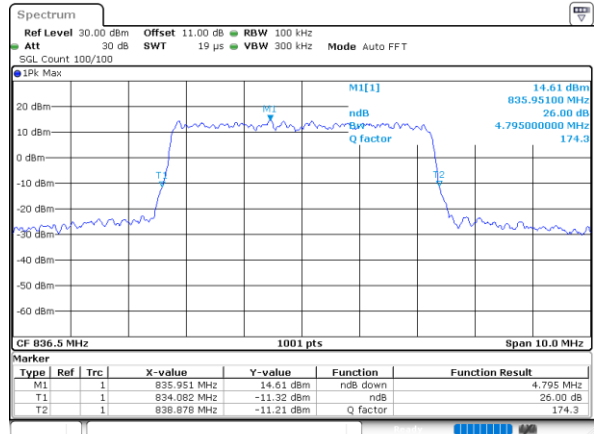
Date: 24.AUG.2023 23:01:03

Middle Channel / 5MHz / QPSK



Date: 24.AUG.2023 23:06:40

Middle Channel / 5MHz / 16QAM

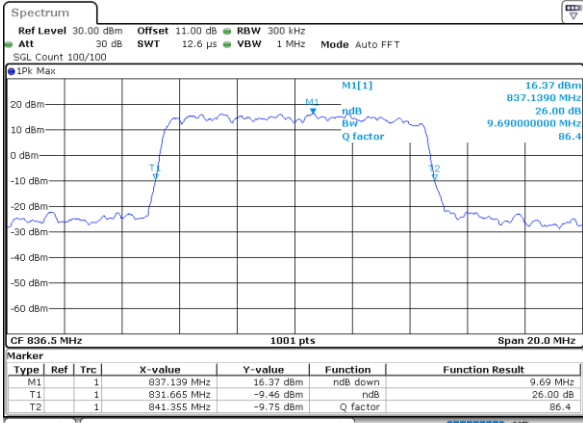


Date: 24.AUG.2023 23:06:16



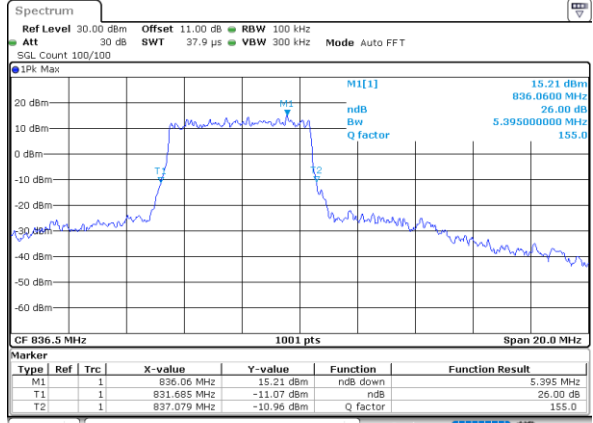
LTE Band 26

Middle Channel / 10MHz / QPSK



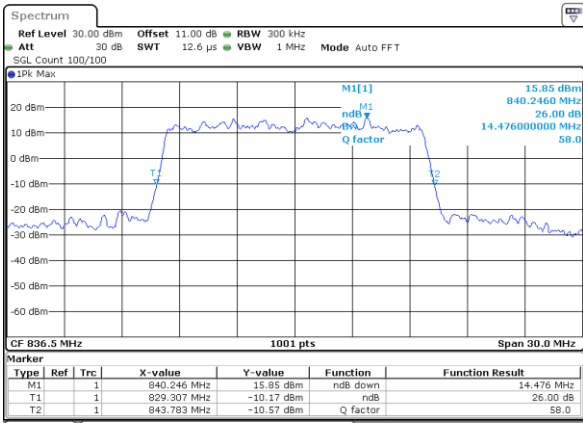
Date: 5,SEP,2023 21:45:22

Middle Channel / 10MHz / 16QAM



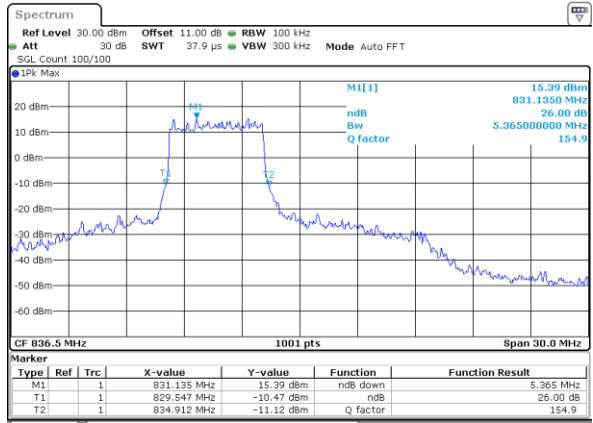
Date: 24,AUG,2023 23:11:30

Middle Channel / 15MHz / QPSK



Date: 5,SEP,2023 21:46:11

Middle Channel / 15MHz / 16QAM



Date: 24,AUG,2023 23:16:43



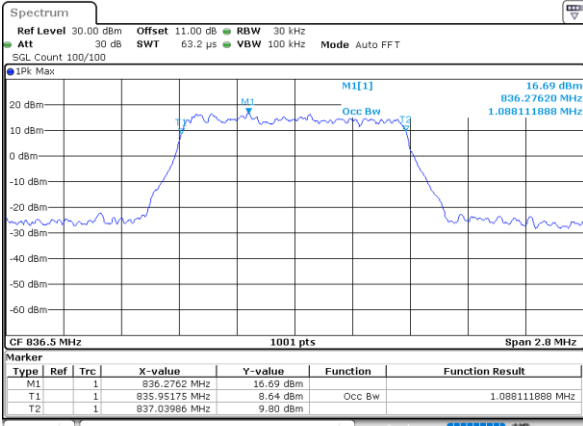
### Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.09	2.72	2.70	4.47	4.48	8.99	4.86	13.40	4.89	-	-



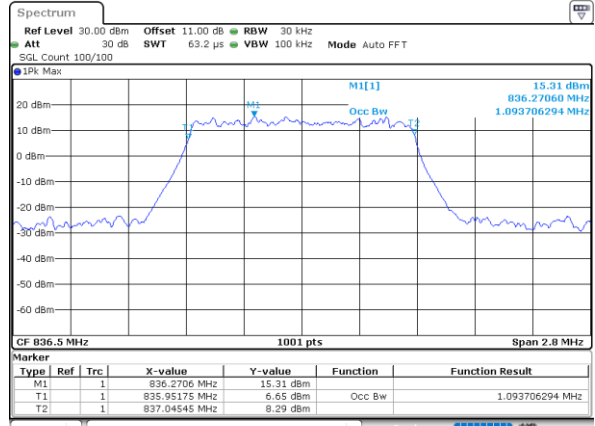
LTE Band 26

Middle Channel / 1.4MHz / QPSK



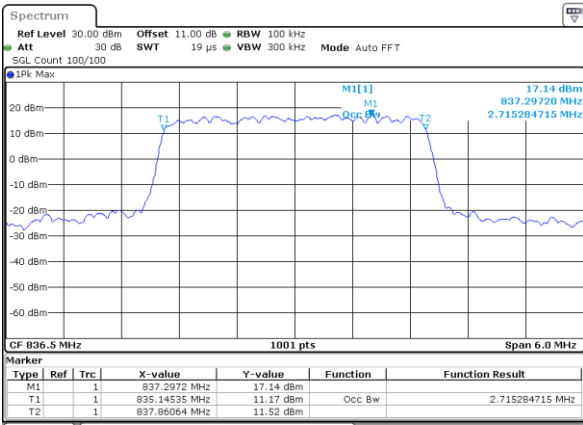
Date: 24.AUG.2023 22:51:08

Middle Channel / 1.4MHz / 16QAM



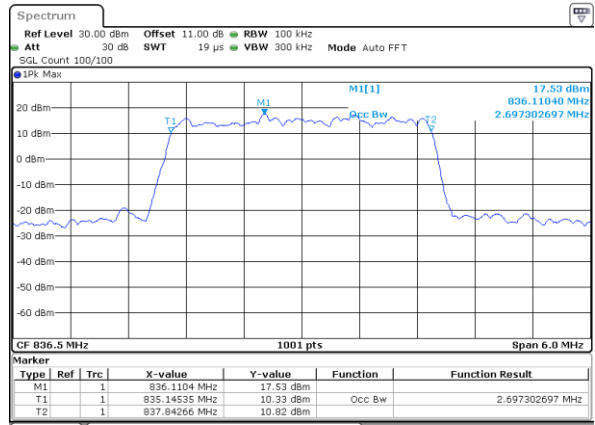
Date: 24.AUG.2023 22:51:32

Middle Channel / 3MHz / QPSK



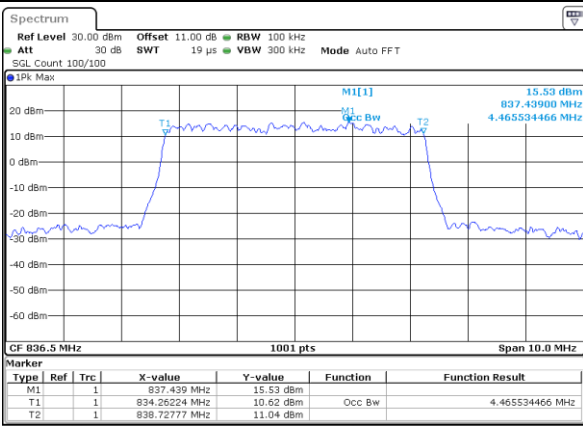
Date: 24.AUG.2023 23:00:16

Middle Channel / 3MHz / 16QAM



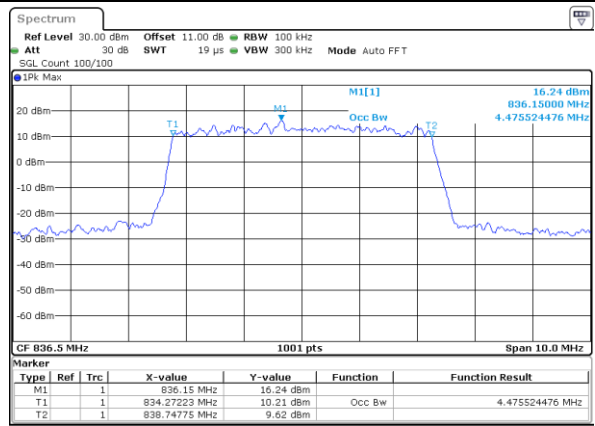
Date: 24.AUG.2023 23:00:40

Middle Channel / 5MHz / QPSK



Date: 24.AUG.2023 23:05:28

Middle Channel / 5MHz / 16QAM

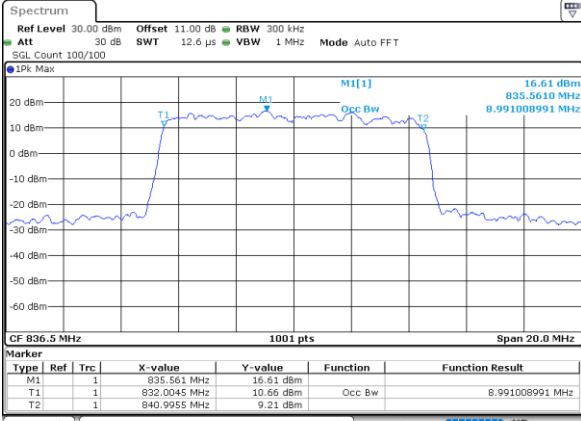


Date: 24.AUG.2023 23:05:52



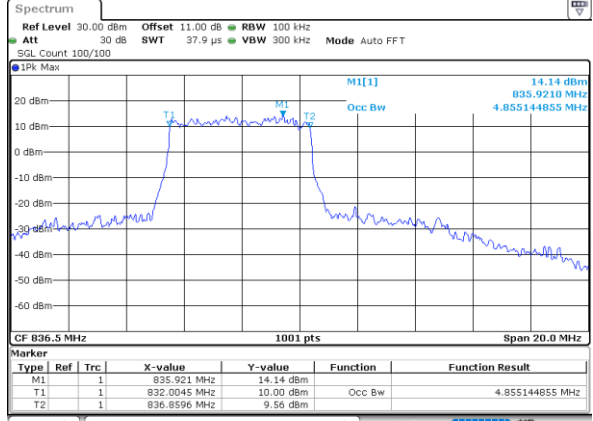
LTE Band 26

Middle Channel / 10MHz / QPSK



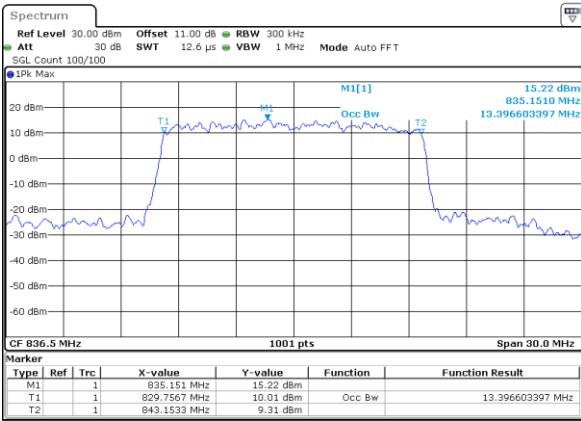
Date: 5,SEP,2023 21:44:58

Middle Channel / 10MHz / 16QAM



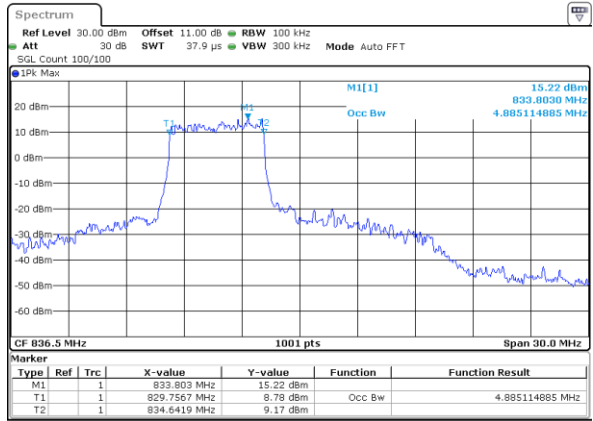
Date: 24,AUG,2023 23:11:06

Middle Channel / 15MHz / QPSK



Date: 5,SEP,2023 21:45:47

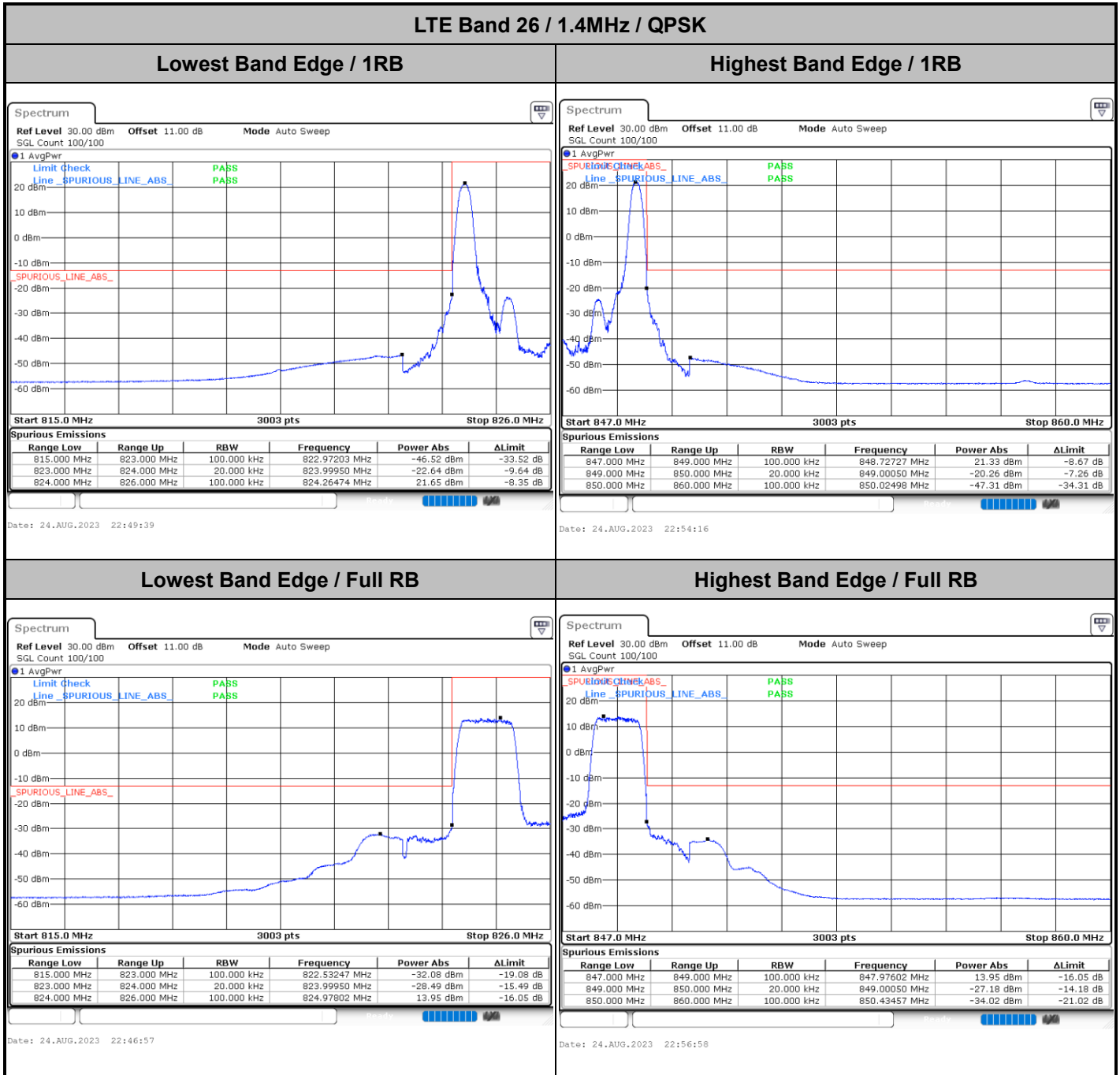
Middle Channel / 15MHz / 16QAM



Date: 24,AUG,2023 23:16:19



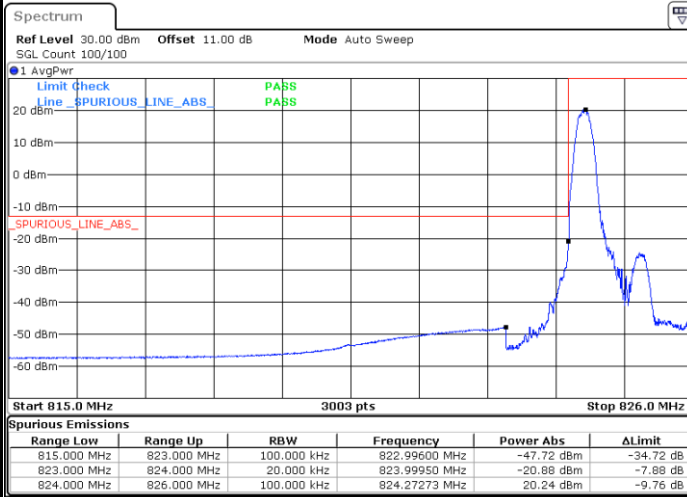
# Conducted Band Edge





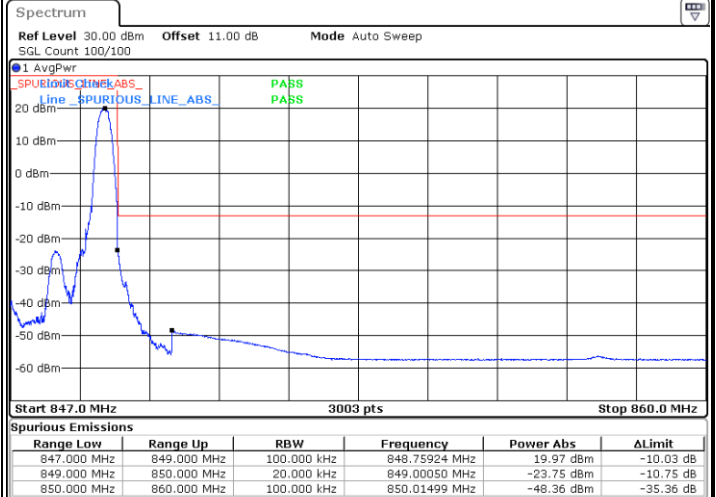
LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



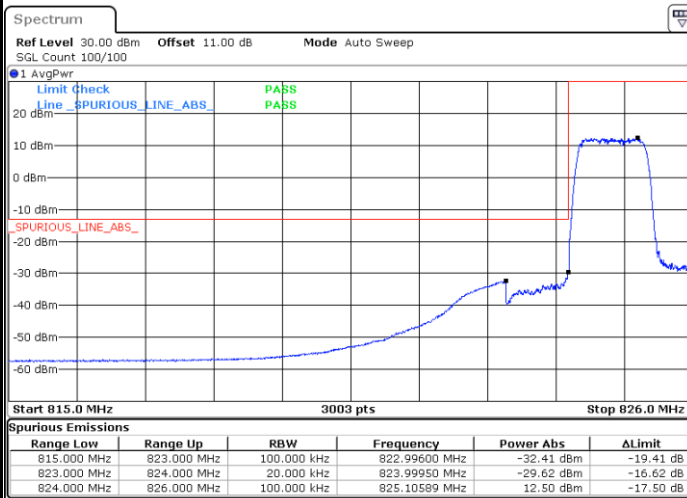
Date: 24.AUG.2023 22:48:45

Highest Band Edge / 1 RB



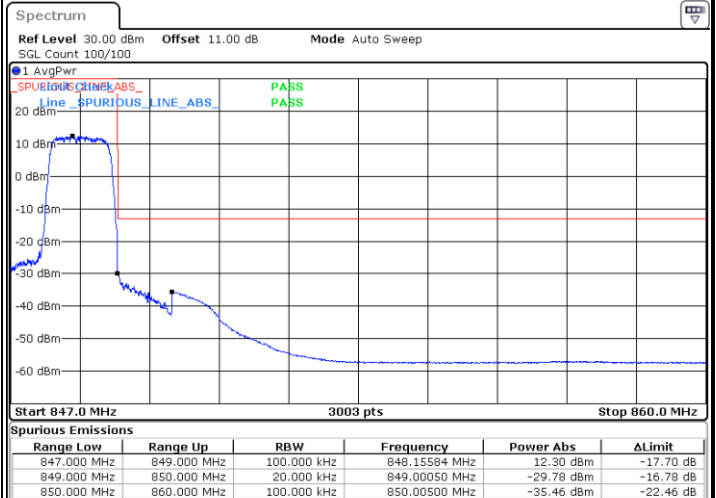
Date: 24.AUG.2023 22:55:10

Lowest Band Edge / Full RB



Date: 24.AUG.2023 22:47:51

Highest Band Edge / Full RB



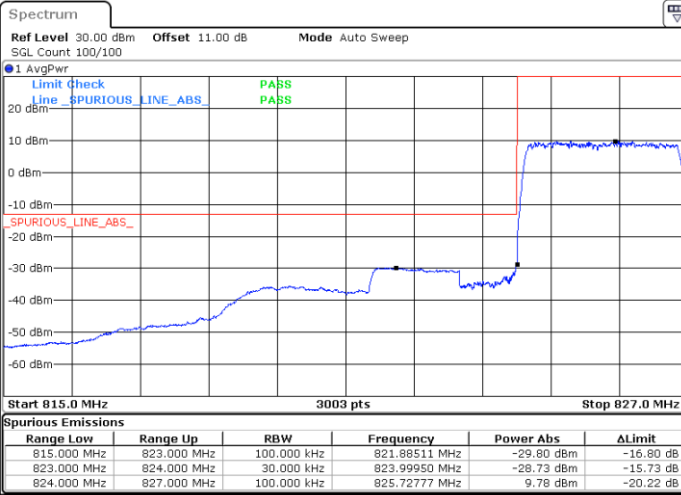
Date: 24.AUG.2023 22:56:04





LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / Full RB



Date: 24.AUG.2023 22:58:56

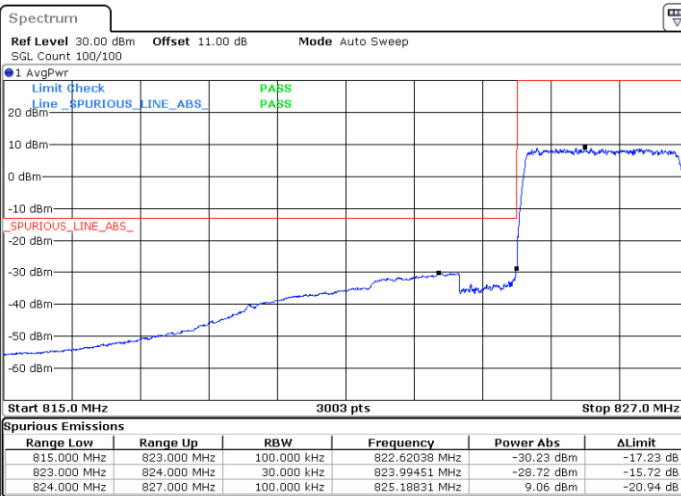
Highest Band Edge / Full RB



Date: 24.AUG.2023 23:03:14

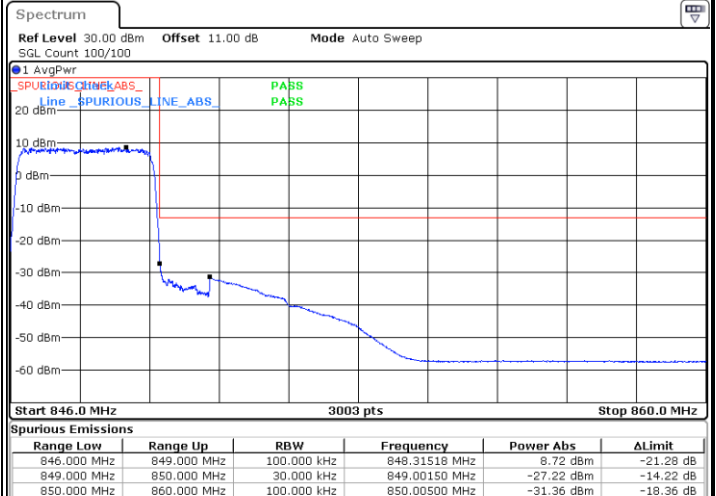
LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Date: 24.AUG.2023 22:59:50

Highest Band Edge / Full RB

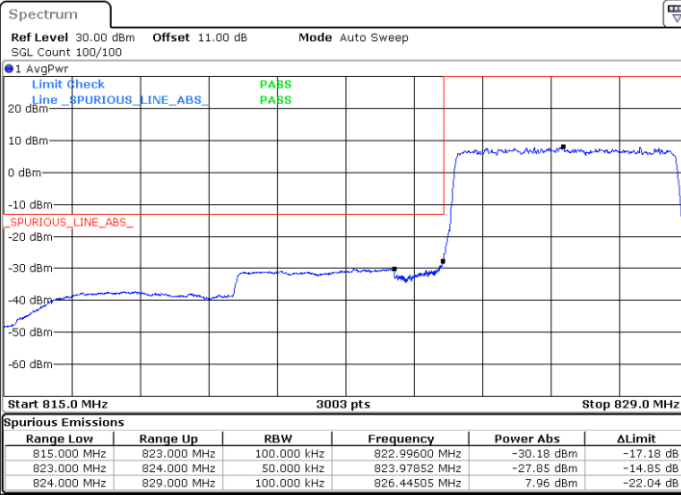


Date: 24.AUG.2023 23:02:21



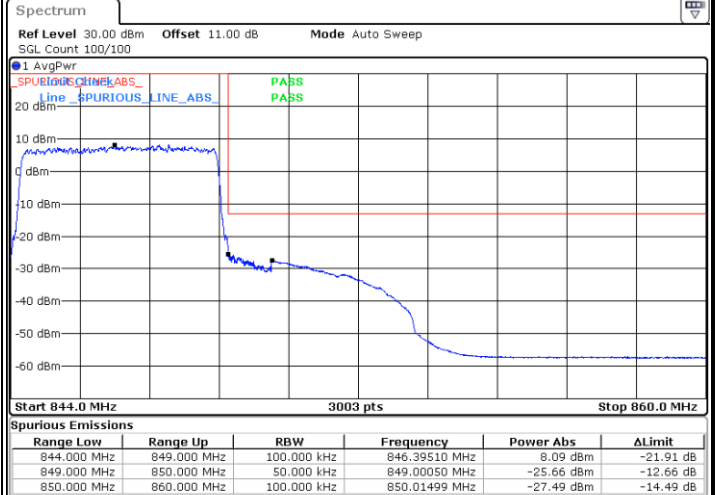
LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / Full RB



Date: 24.AUG.2023 23:04:09

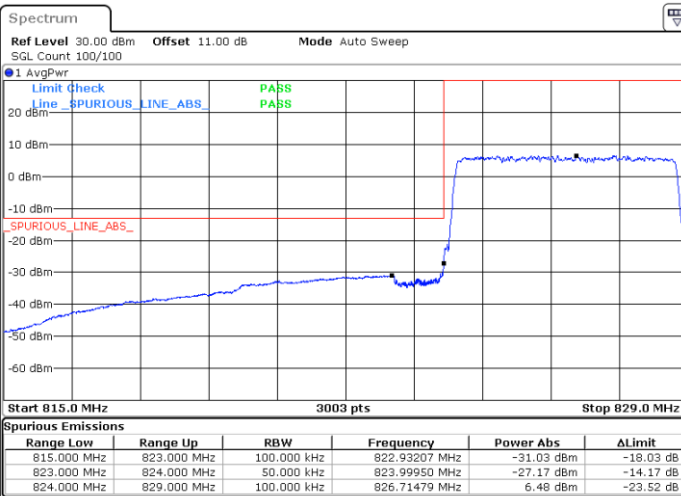
Highest Band Edge / Full RB



Date: 24.AUG.2023 23:08:28

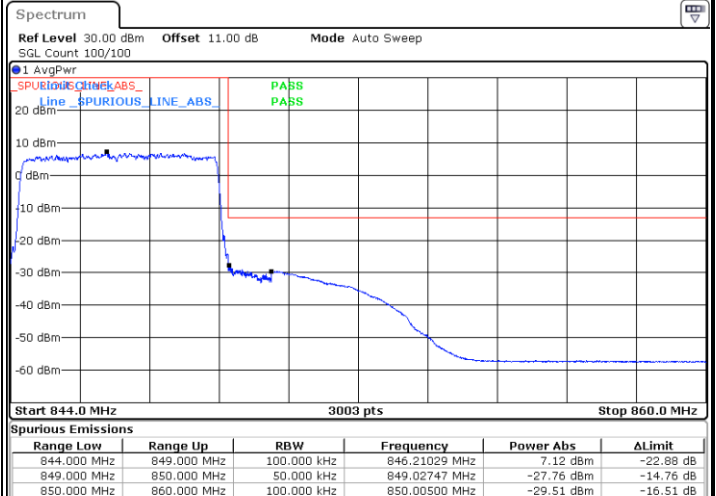
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Date: 24.AUG.2023 23:05:03

Highest Band Edge / Full RB

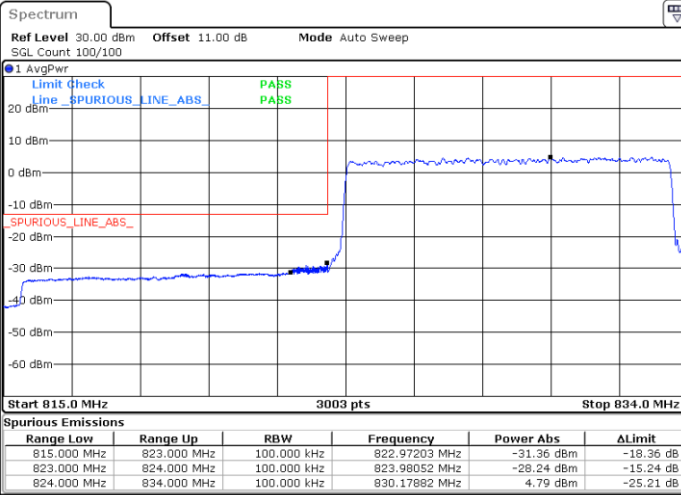


Date: 24.AUG.2023 23:07:33



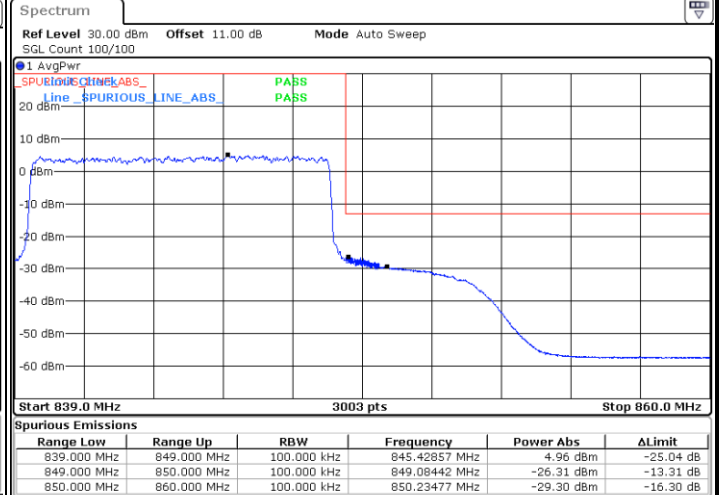
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 24.AUG.2023 23:09:23

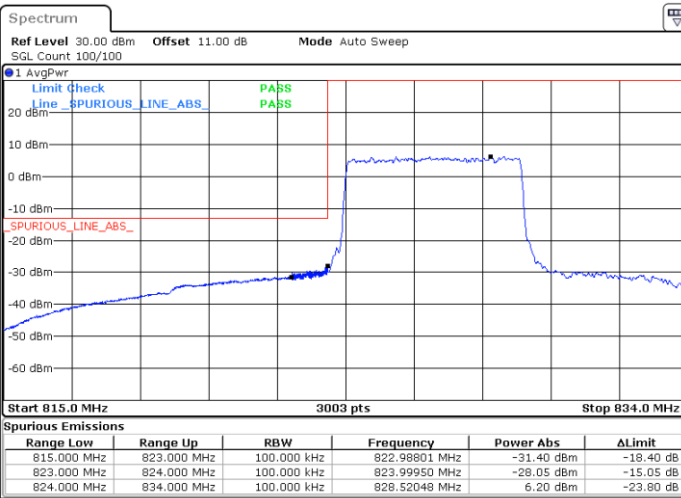
Highest Band Edge / Full RB



Date: 24.AUG.2023 23:13:42

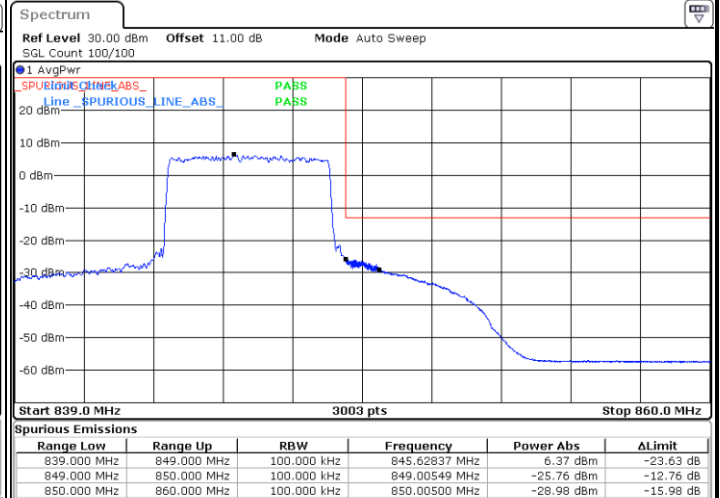
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 27 RB



Date: 24.AUG.2023 23:10:17

Highest Band Edge / 27 RB

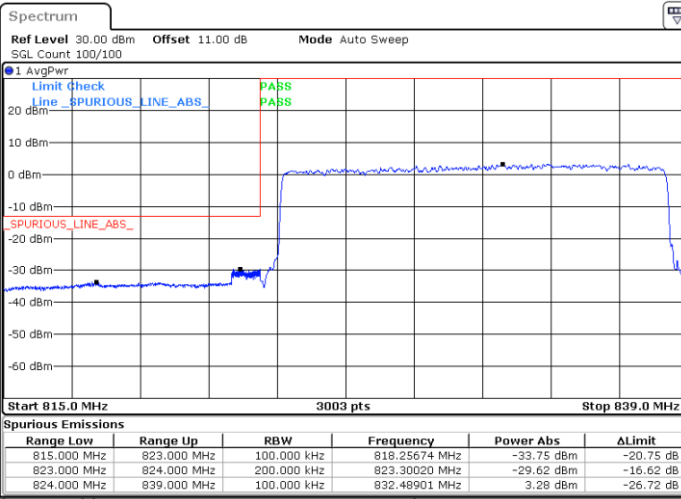


Date: 26.AUG.2023 01:31:41



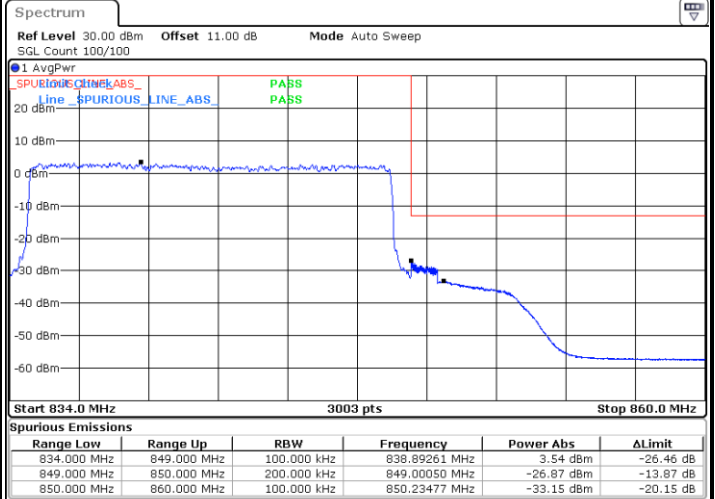
LTE Band 26 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 24.AUG.2023 23:14:37

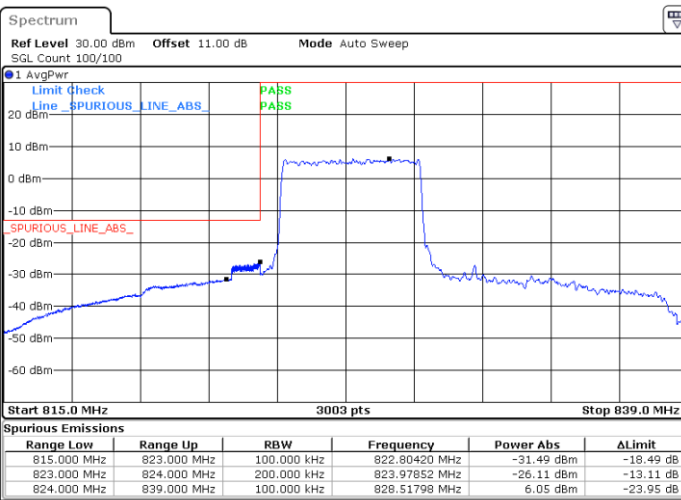
Highest Band Edge / Full RB



Date: 24.AUG.2023 23:18:55

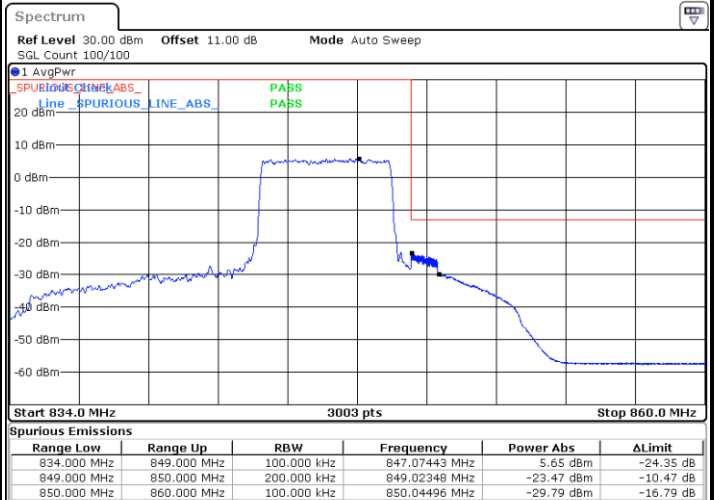
LTE Band 26 / 15MHz / 16QAM

Lowest Band Edge / 27 RB



Date: 24.AUG.2023 23:15:30

Highest Band Edge / 27 RB



Date: 26.AUG.2023 01:33:16

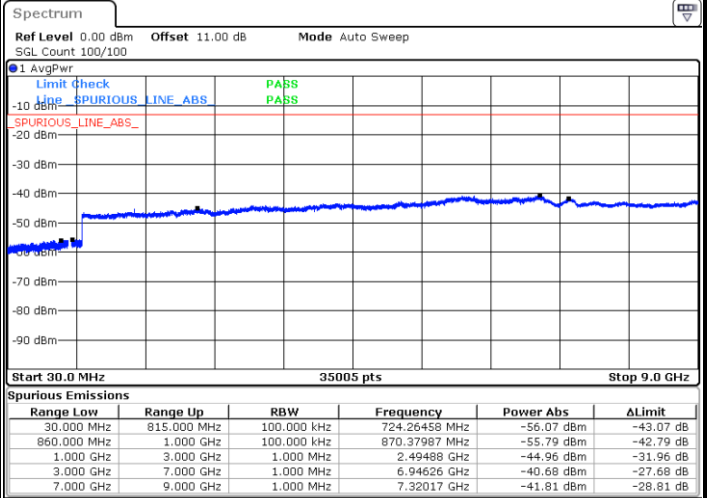
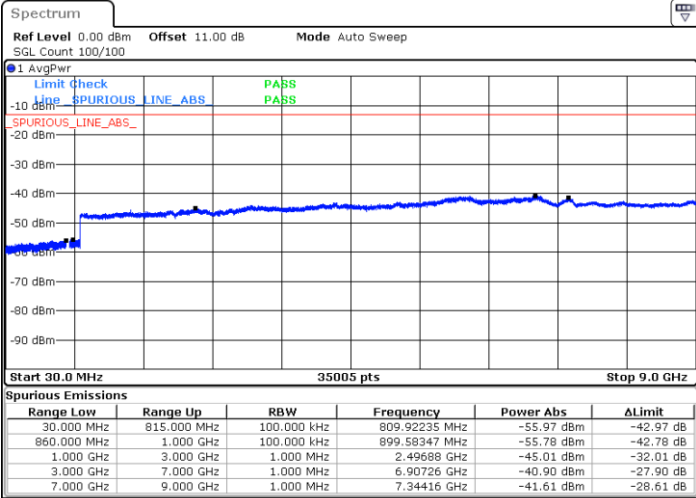


# Conducted Spurious Emission

## LTE Band 26 / 1.4MHz

### Lowest Channel / QPSK

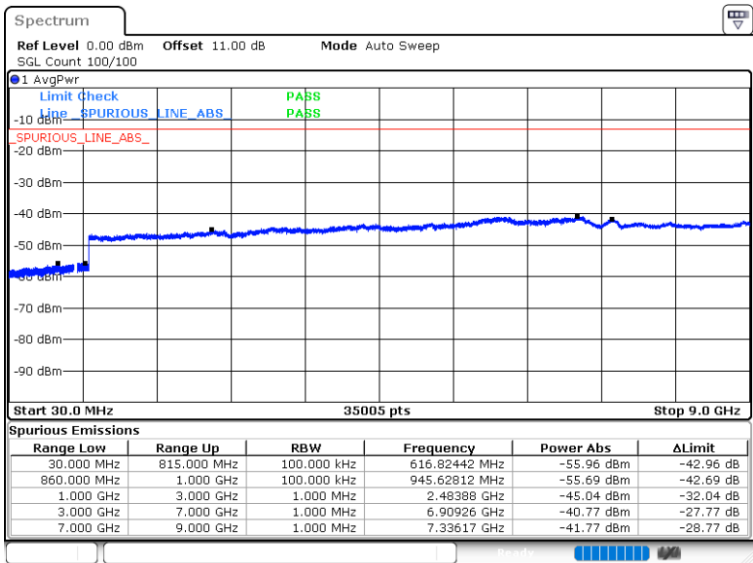
### Middle Channel / QPSK



Date: 24.AUG.2023 22:50:43

Date: 24.AUG.2023 22:53:22

### Highest Channel / QPSK

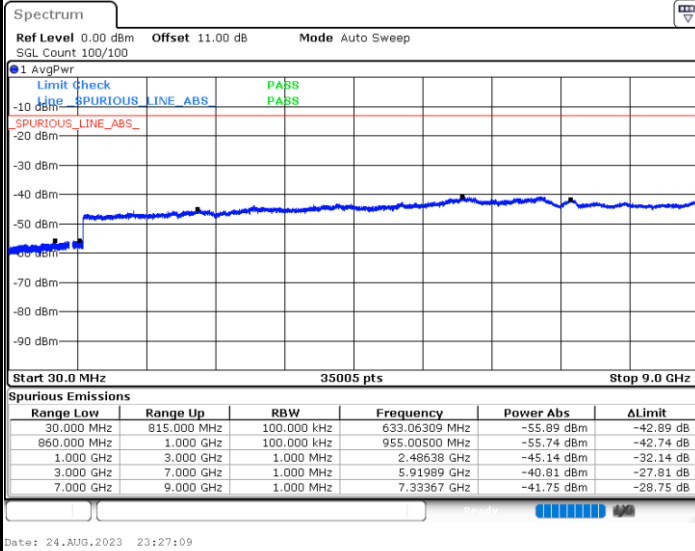


Date: 24.AUG.2023 22:58:02

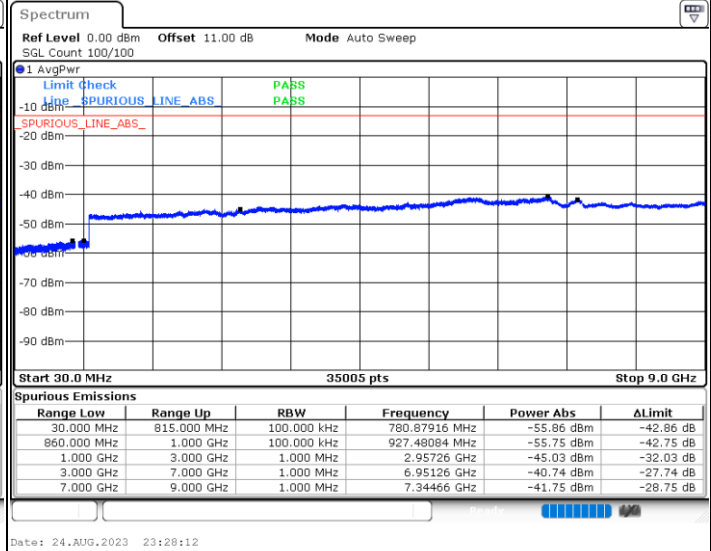


LTE Band 26 / 3MHz

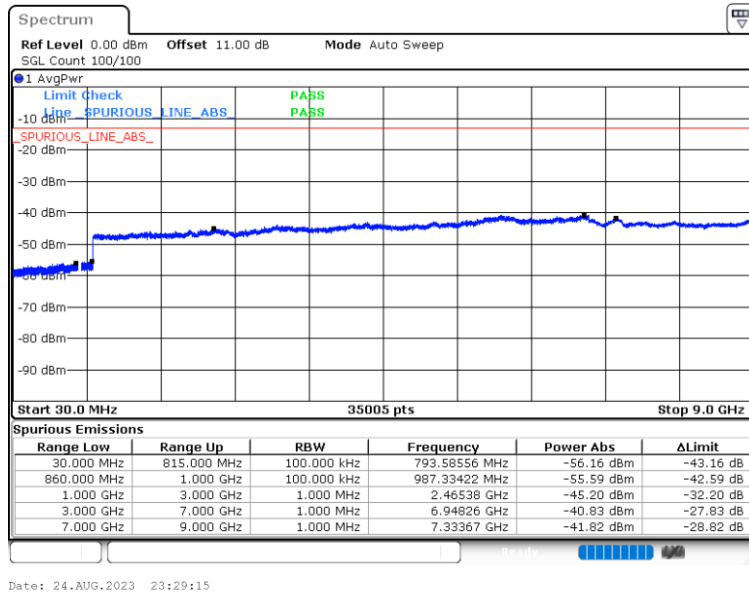
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

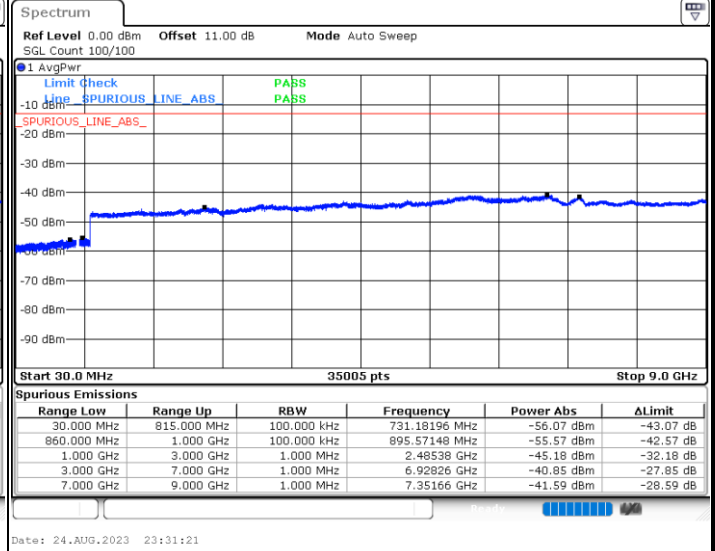
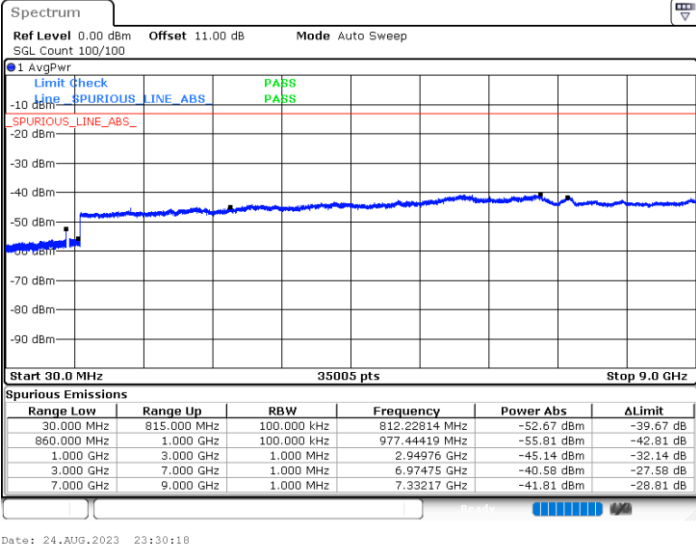




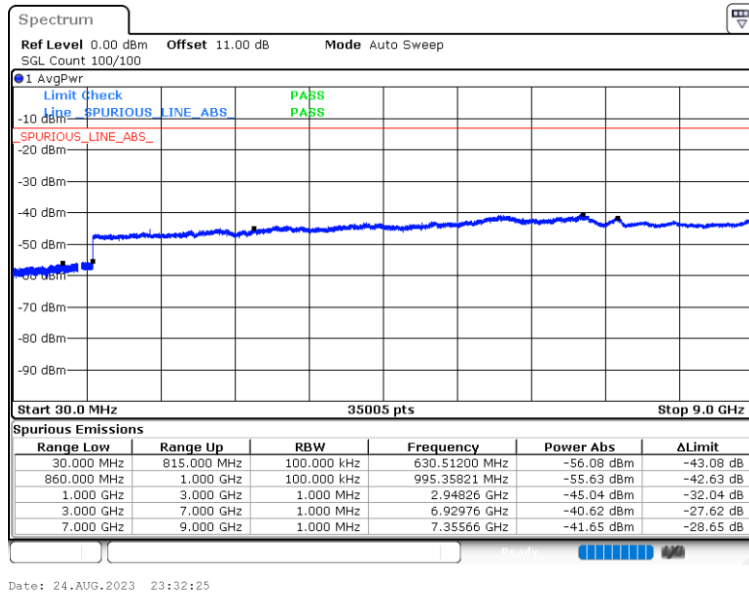
LTE Band 26 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



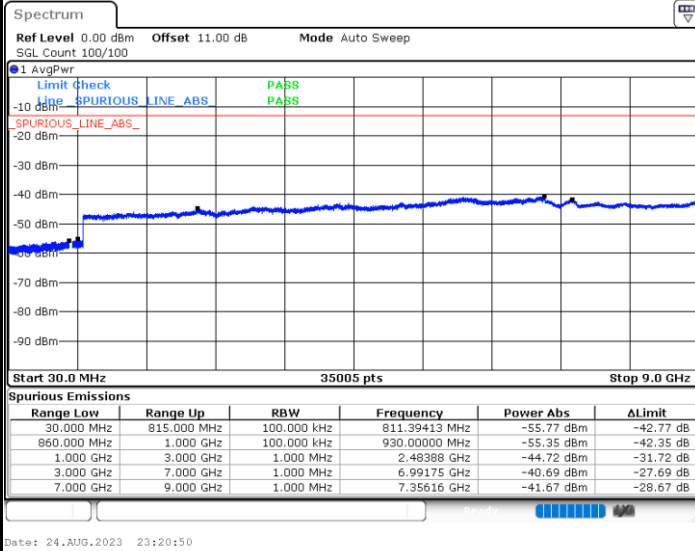
Highest Channel / QPSK



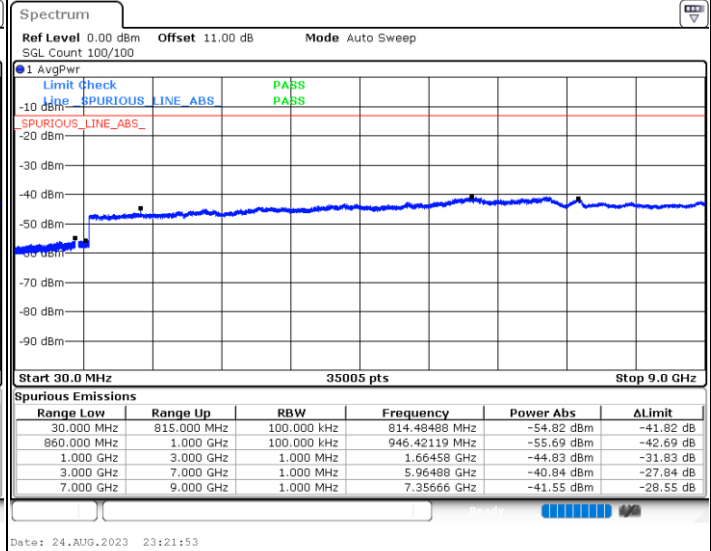


LTE Band 26 / 10MHz

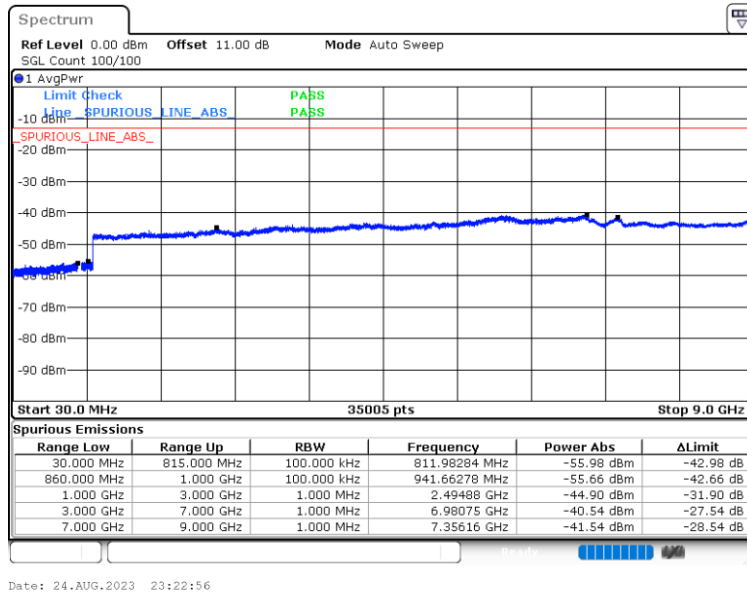
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

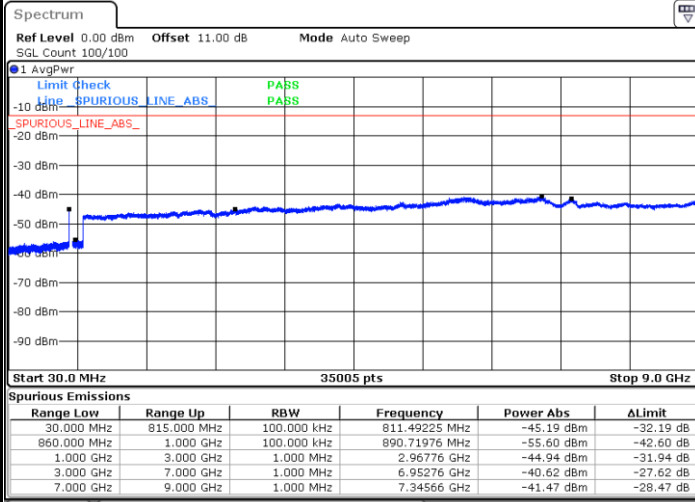






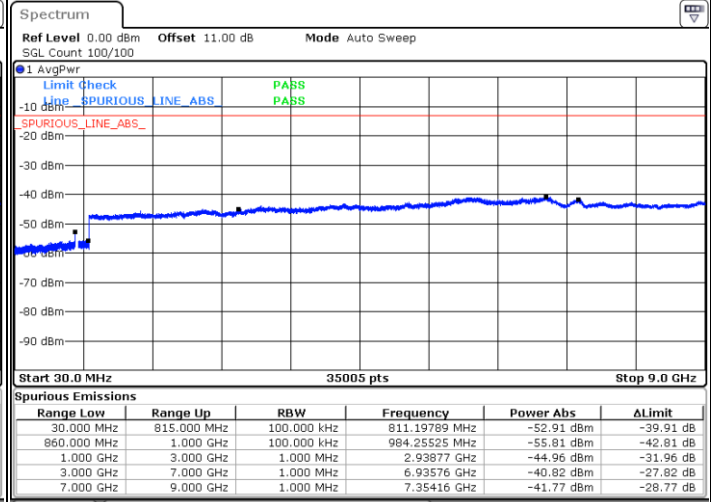
LTE Band 26 / 15MHz

Lowest Channel / QPSK



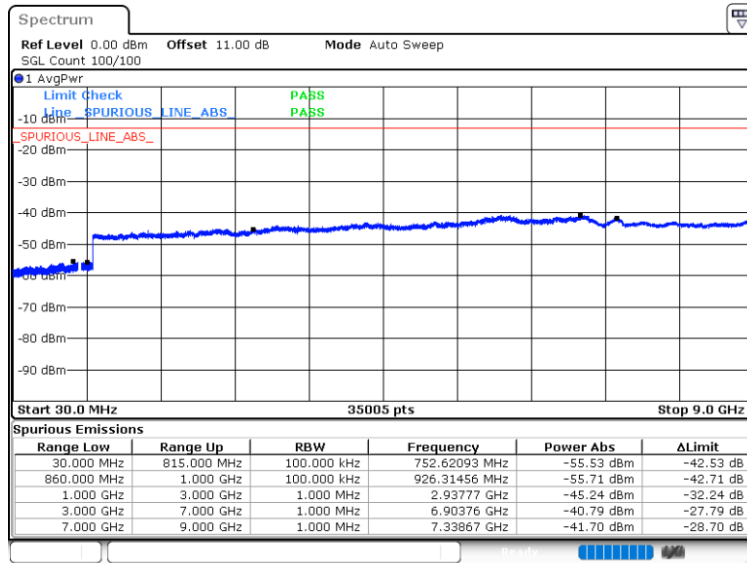
Date: 24.AUG.2023 23:23:59

Middle Channel / QPSK



Date: 24.AUG.2023 23:25:03

Highest Channel / QPSK



Date: 24.AUG.2023 23:26:05



**Frequency Stability**

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0049	PASS
40	Normal Voltage	0.0050	
30	Normal Voltage	0.0099	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0035	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0094	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0130	

**Note:**

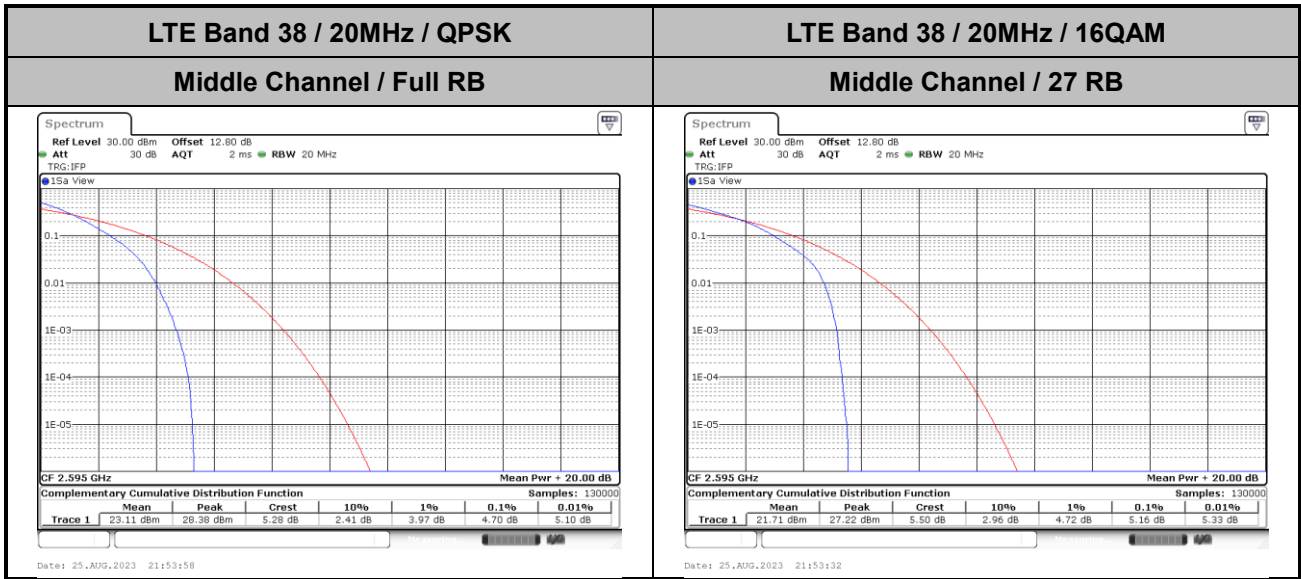
- 1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.3 V. ; Maximum Voltage = 4.2 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 38

## Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	27 RB	Result
Middle CH	4.70	5.16	PASS





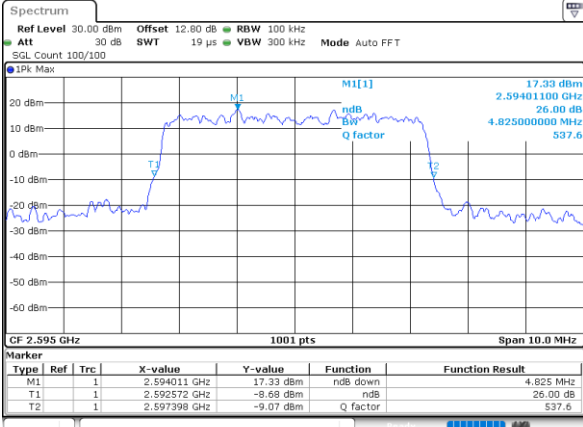
**26dB Bandwidth**

Mode	LTE Band 38 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.83	4.81	9.65	5.38	14.42	5.46	18.70	5.32



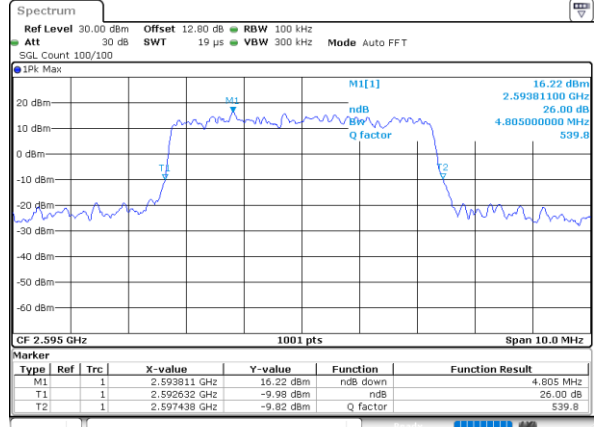
LTE Band 38

Middle Channel / 5MHz / QPSK



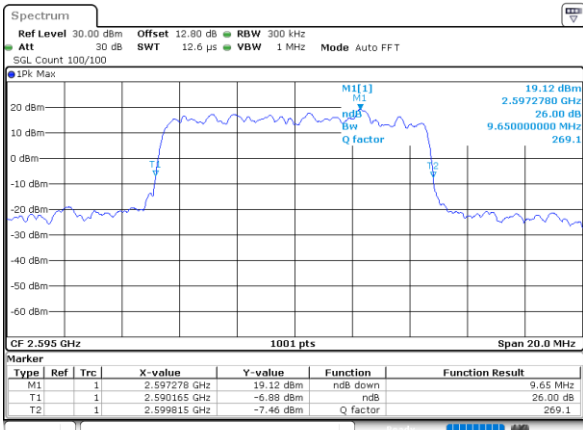
Date: 25\_AUG.2023 21:21:55

Middle Channel / 5MHz / 16QAM



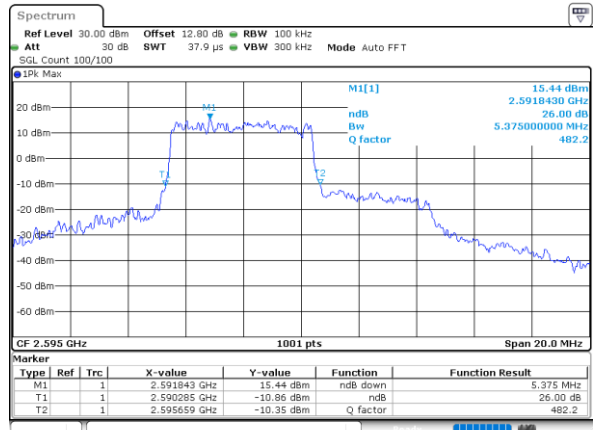
Date: 25\_AUG.2023 21:22:19

Middle Channel / 10MHz / QPSK



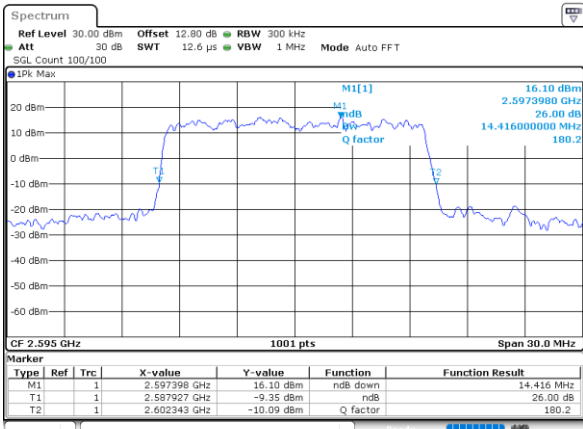
Date: 25\_AUG.2023 21:23:31

Middle Channel / 10MHz / 16QAM



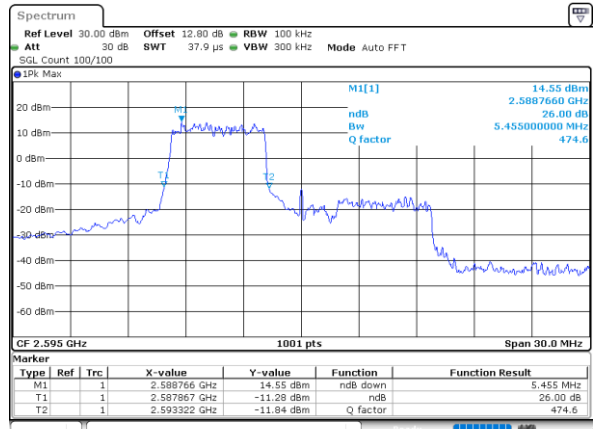
Date: 26\_AUG.2023 01:48:16

Middle Channel / 15MHz / QPSK



Date: 25\_AUG.2023 21:51:08

Middle Channel / 15MHz / 16QAM

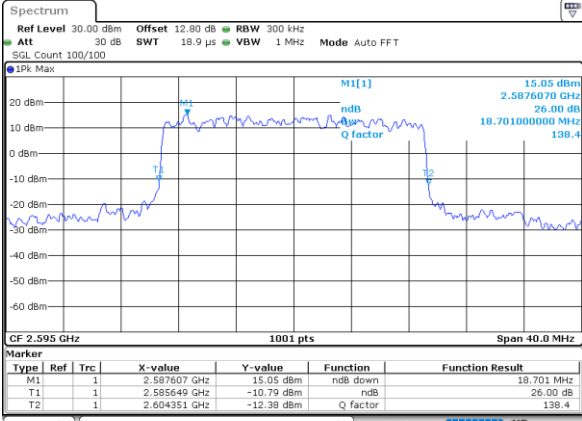


Date: 4\_SEP.2023 22:00:48



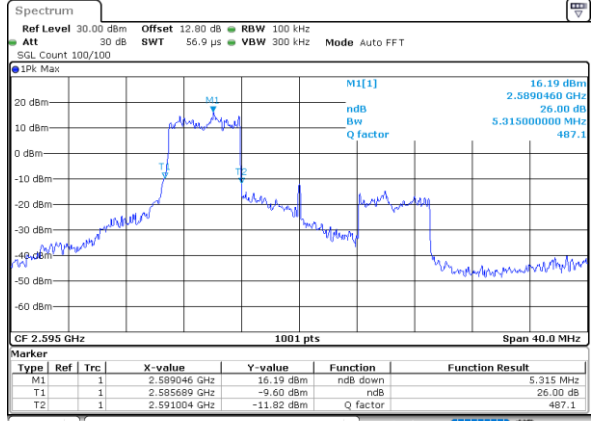
LTE Band 38

Middle Channel / 20MHz / QPSK



Date: 25\_AUG.2023 21:52:44

Middle Channel / 20MHz / 16QAM



Date: 4\_SEP.2023 22:02:23



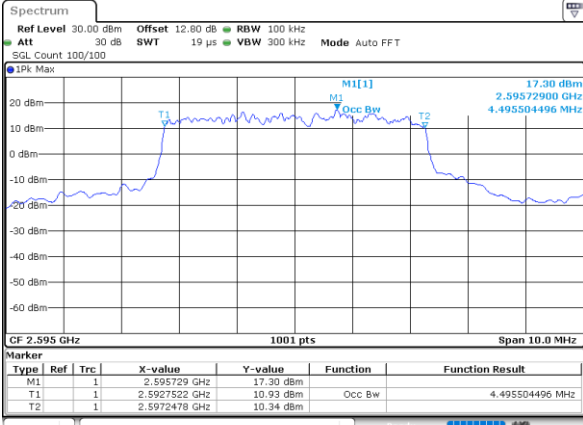
### Occupied Bandwidth

Mode	LTE Band 38 : 99%OBW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.50	4.48	9.03	4.80	13.37	4.89	17.82	4.88



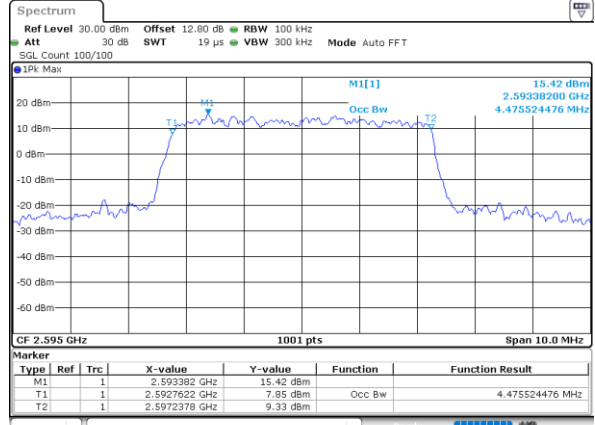
LTE Band 38

Middle Channel / 5MHz / QPSK



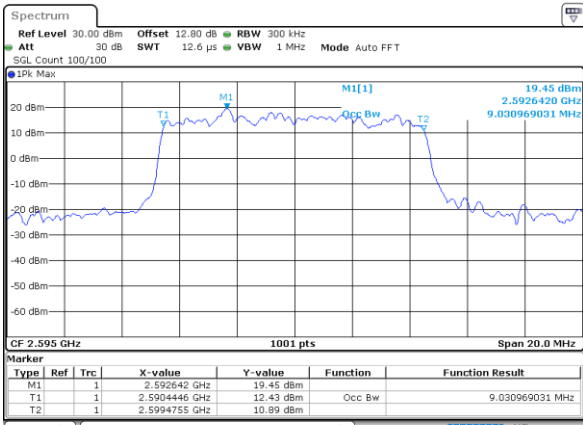
Date: 25\_AUG.2023 21:21:08

Middle Channel / 5MHz / 16QAM



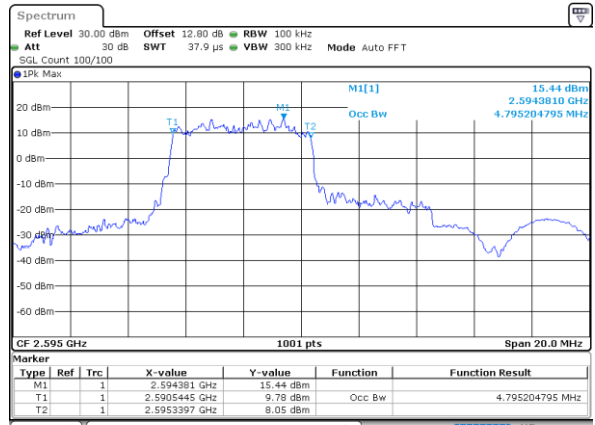
Date: 25\_AUG.2023 21:21:32

Middle Channel / 10MHz / QPSK



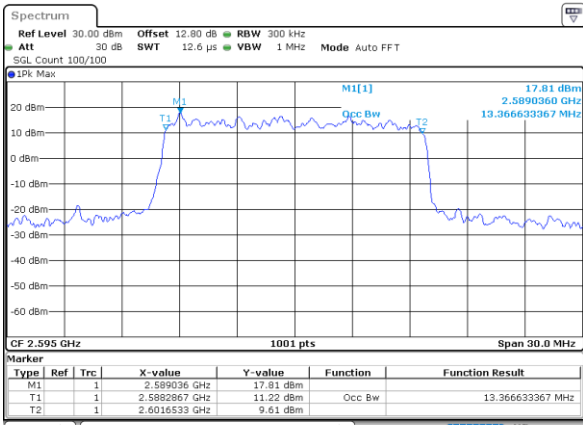
Date: 25\_AUG.2023 21:22:43

Middle Channel / 10MHz / 16QAM



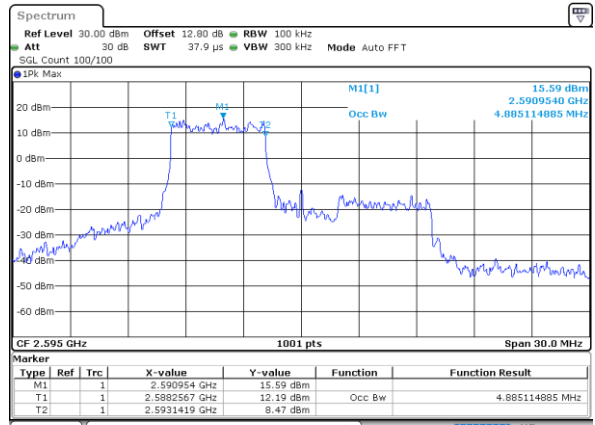
Date: 4\_SEP.2023 21:52:06

Middle Channel / 15MHz / QPSK



Date: 25\_AUG.2023 21:50:23

Middle Channel / 15MHz / 16QAM



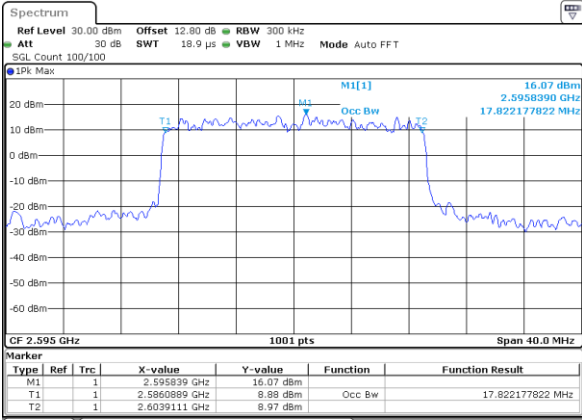
Date: 4\_SEP.2023 22:00:00





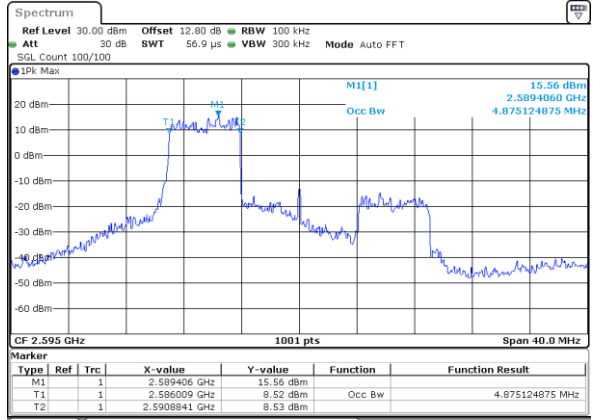
LTE Band 38

Middle Channel / 20MHz / QPSK



Date: 25.AUG.2023 21:51:56

Middle Channel / 20MHz / 16QAM



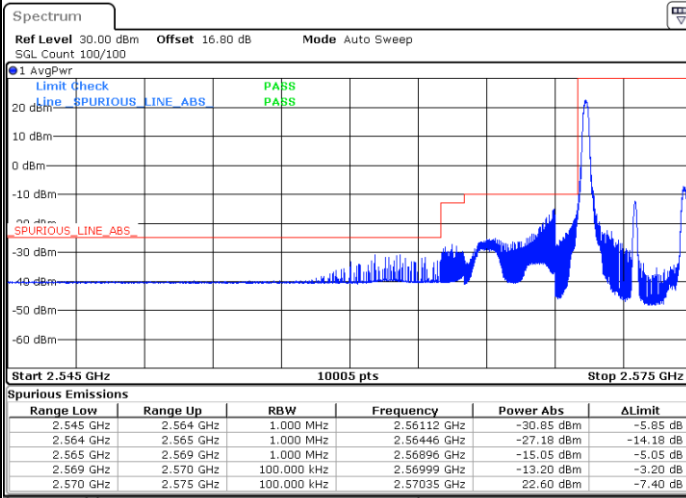
Date: 4.SEP.2023 22:01:36



# Conducted Band Edge

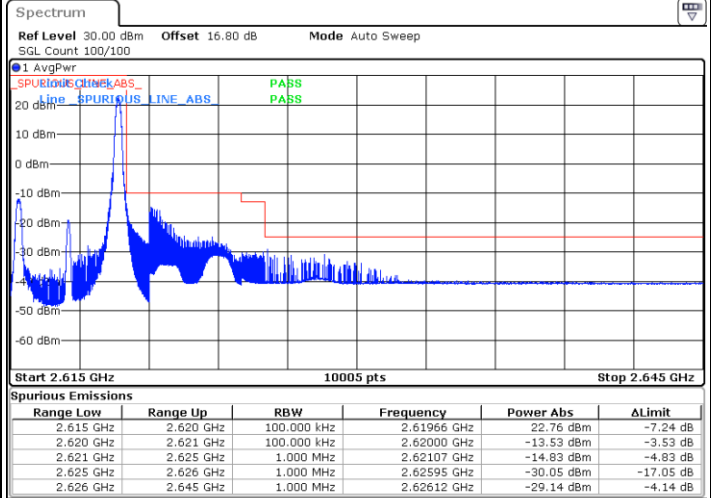
## LTE Band 38 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



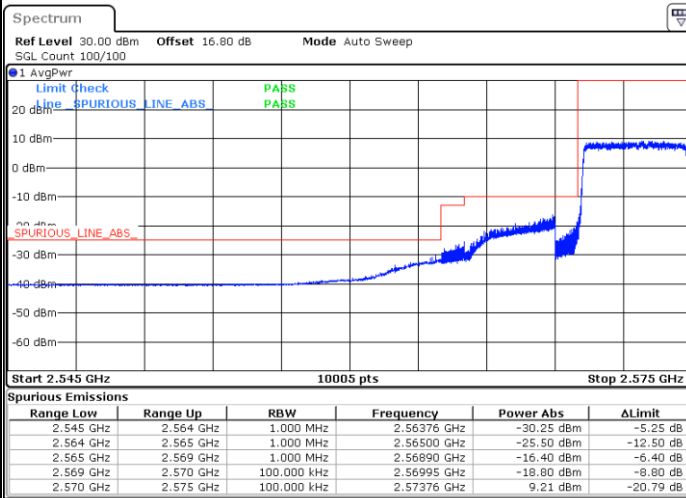
Date: 26.AUG.2023 02:33:36

### Highest Band Edge / 1 RB



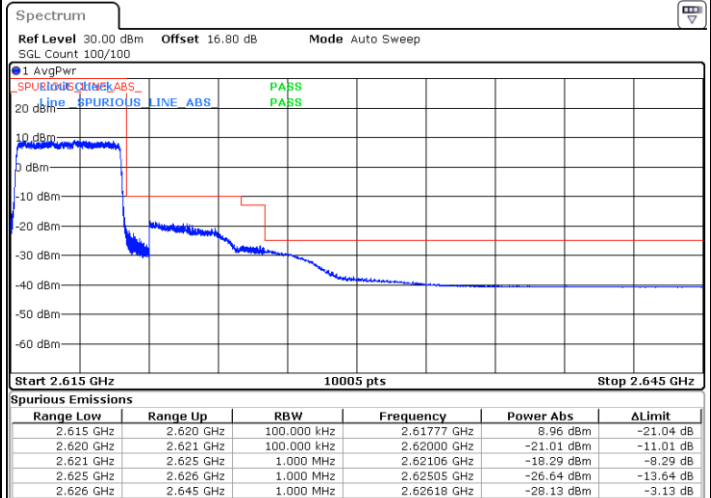
Date: 26.AUG.2023 02:37:35

### Lowest Band Edge / Full RB



Date: 25.AUG.2023 20:52:18

### Highest Band Edge / Full RB

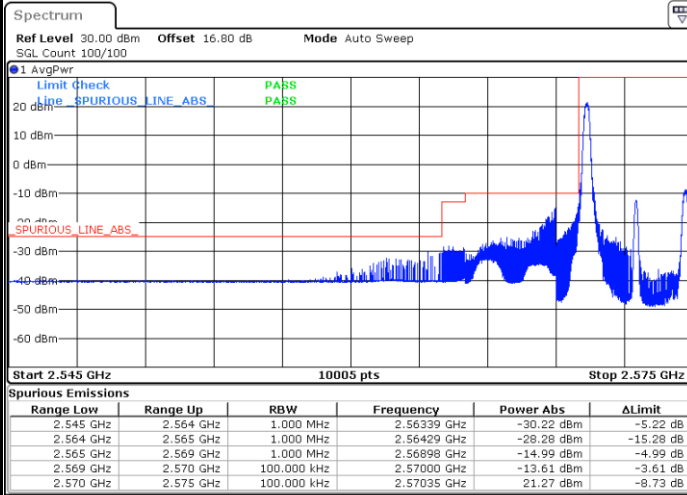


Date: 26.AUG.2023 02:42:29



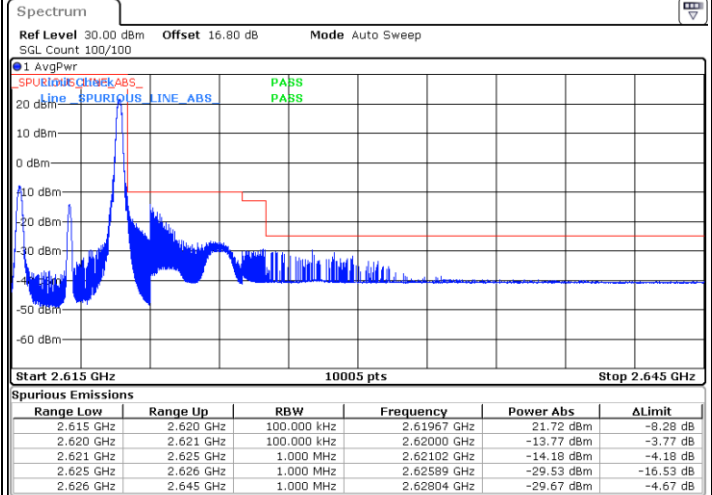
LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB



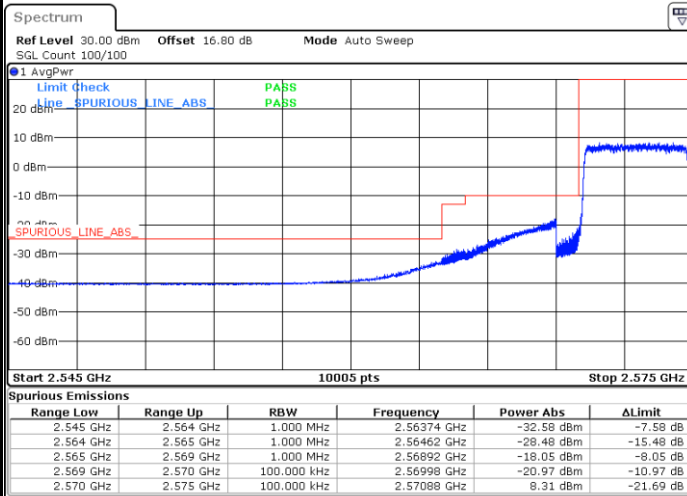
Date: 26.AUG.2023 02:28:46

Highest Band Edge / 1 RB



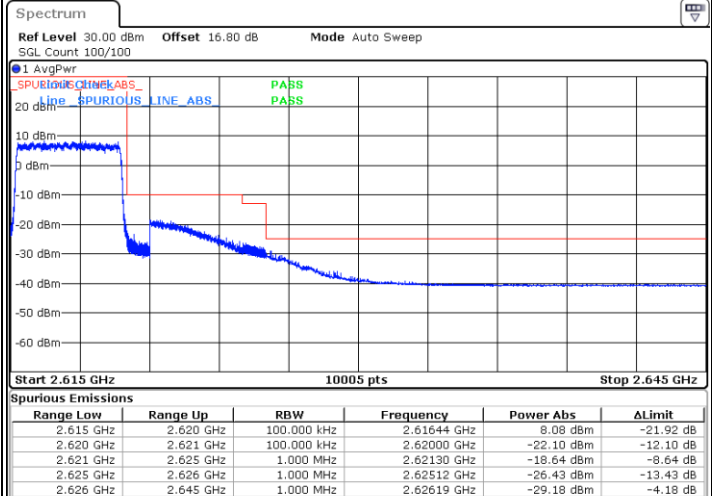
Date: 26.AUG.2023 02:35:32

Lowest Band Edge / Full RB



Date: 25.AUG.2023 20:53:12

Highest Band Edge / Full RB



Date: 25.AUG.2023 20:55:01