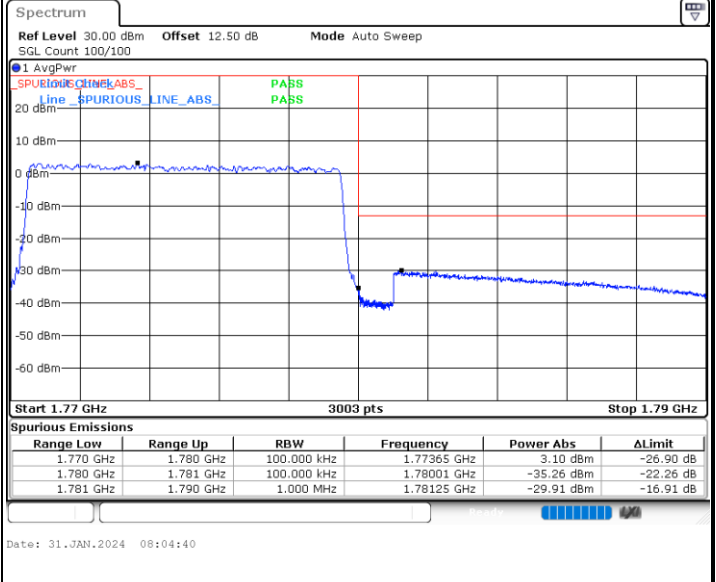
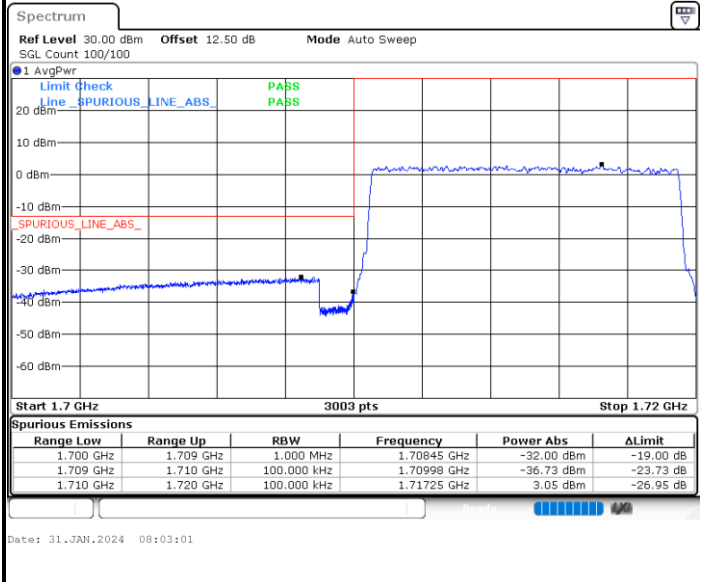




LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / Full RB

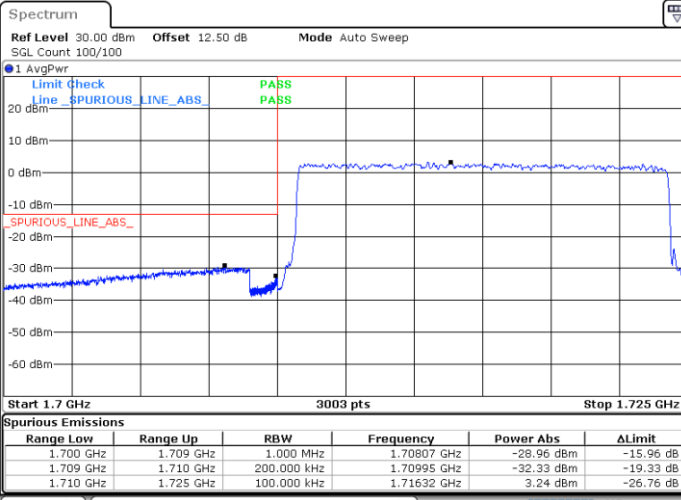
Highest Band Edge / Full RB





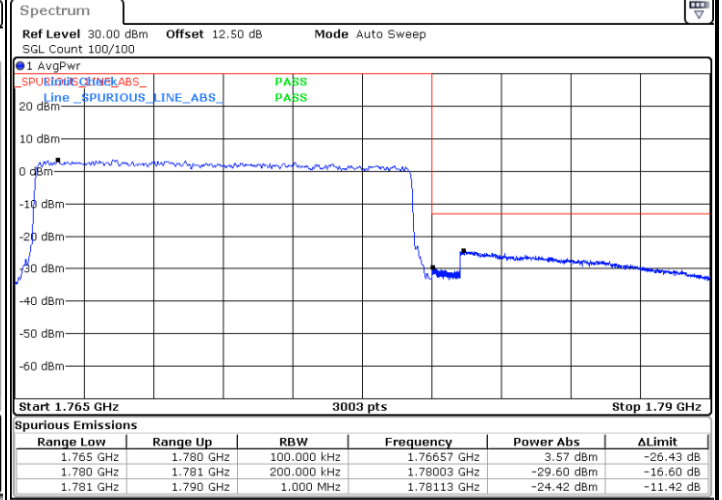
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 31.JAN.2024 08:08:19

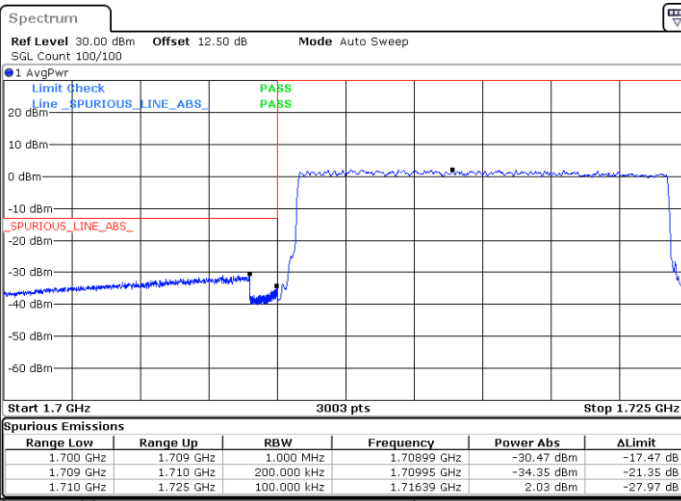
Highest Band Edge / Full RB



Date: 31.JAN.2024 08:12:07

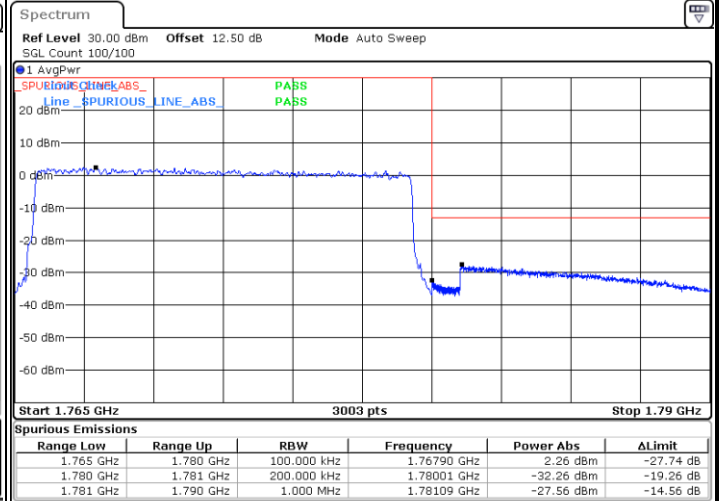
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 31.JAN.2024 08:09:16

Highest Band Edge / Full RB



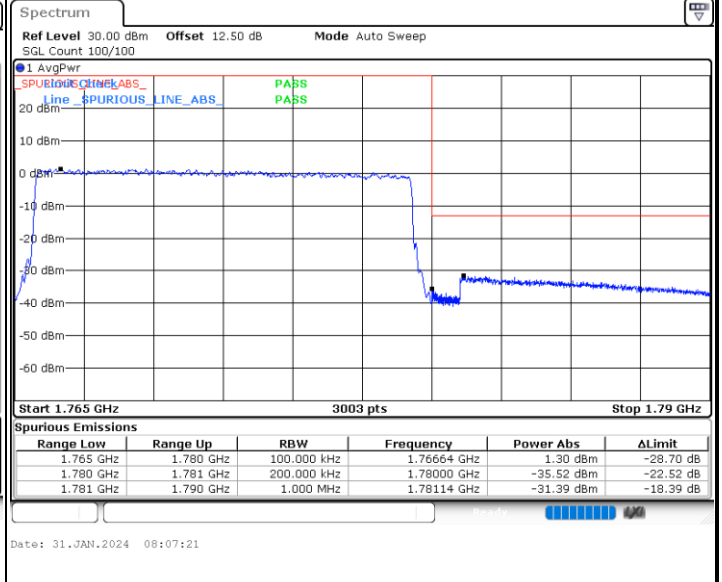
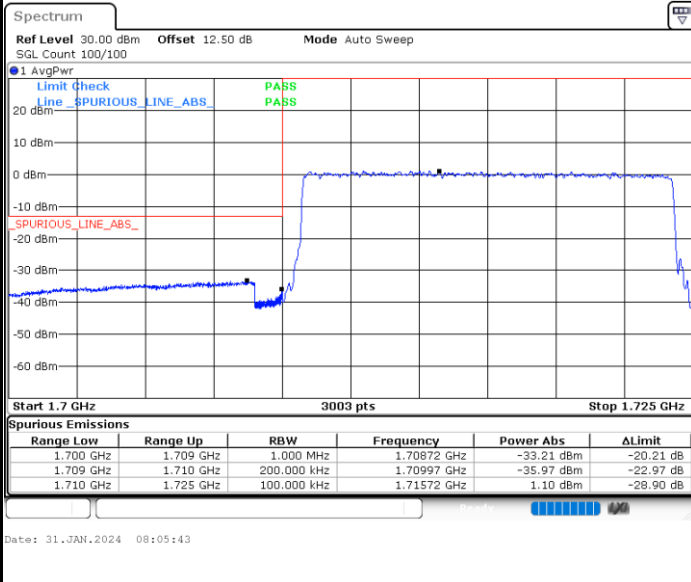
Date: 31.JAN.2024 08:13:05



LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / Full RB

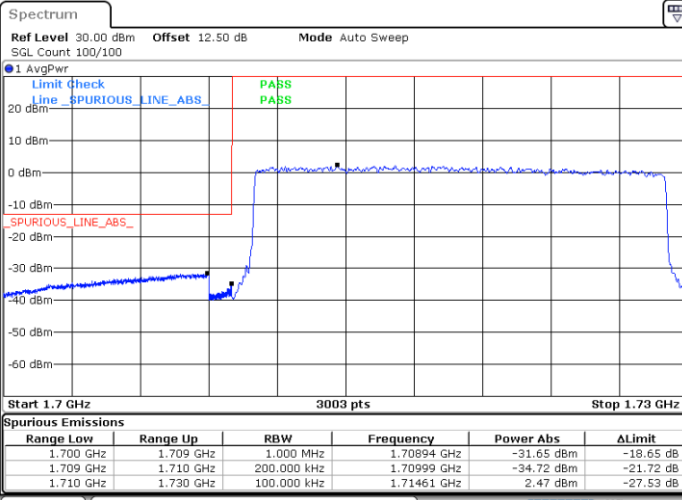
Highest Band Edge / Full RB





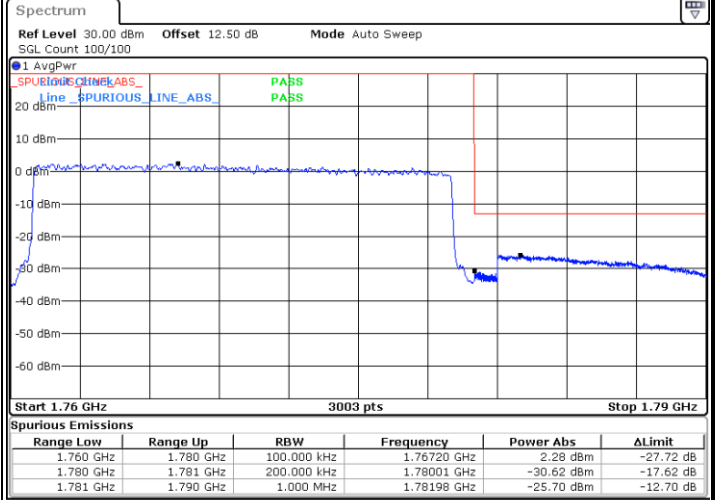
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 31.JAN.2024 08:14:20

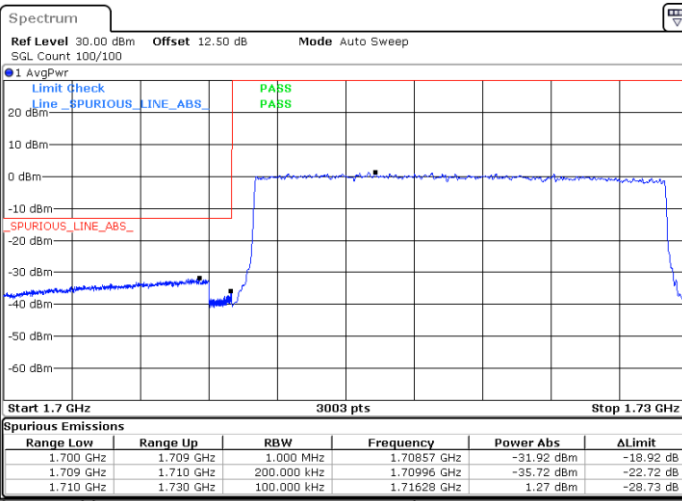
Highest Band Edge / Full RB



Date: 31.JAN.2024 08:18:09

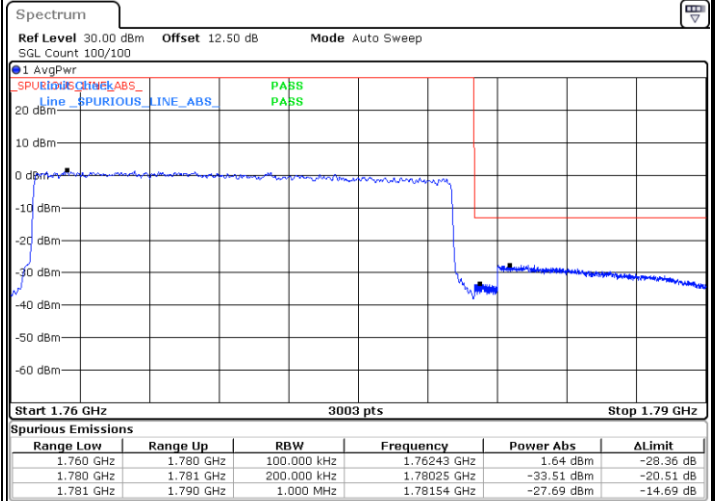
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 31.JAN.2024 08:15:17

Highest Band Edge / Full RB



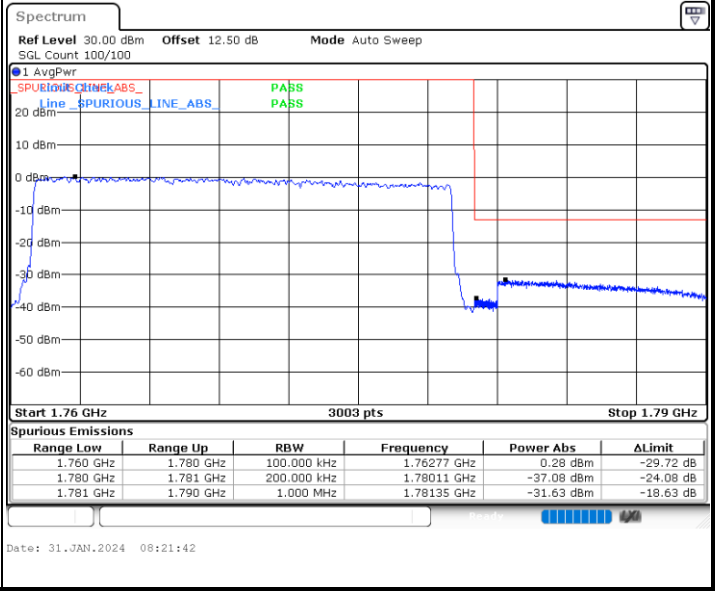
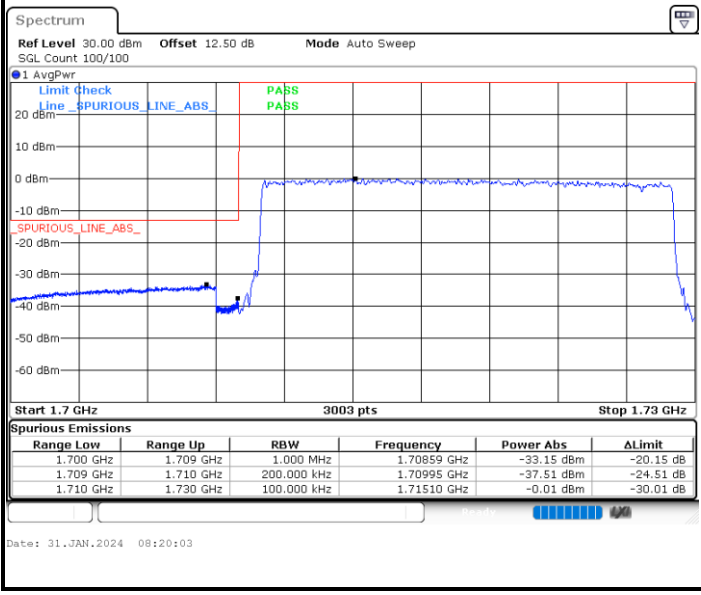
Date: 31.JAN.2024 08:19:06



LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



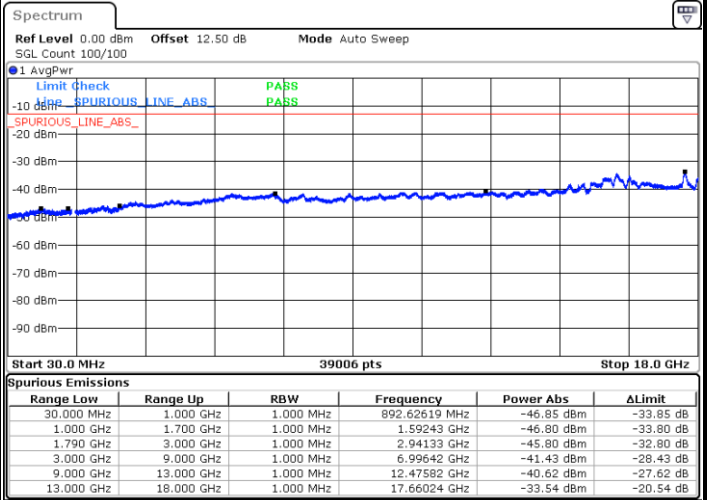
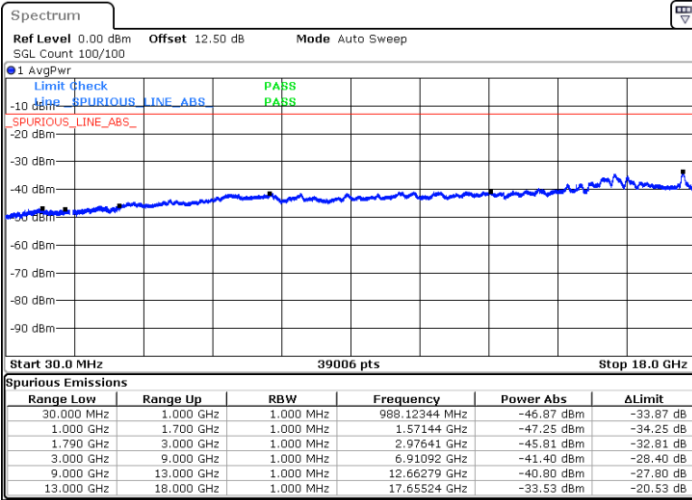


# Conducted Spurious Emission

## LTE Band 66 / 1.4MHz

### Lowest Channel / QPSK

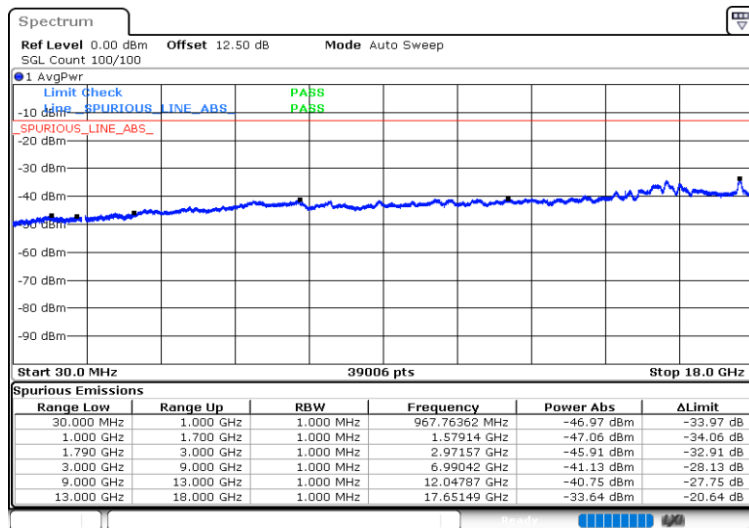
### Middle Channel / QPSK



Date: 31.JAN.2024 07:26:24

Date: 31.JAN.2024 07:29:36

### Highest Channel / QPSK



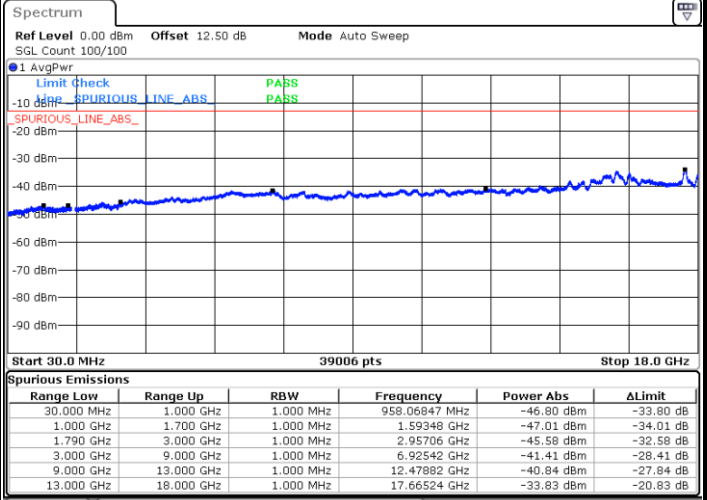
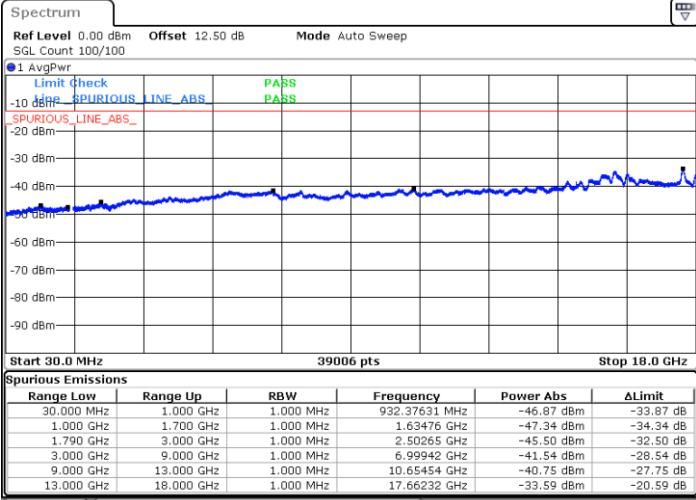
Date: 31.JAN.2024 07:34:43



LTE Band 66 / 3MHz

Lowest Channel / QPSK

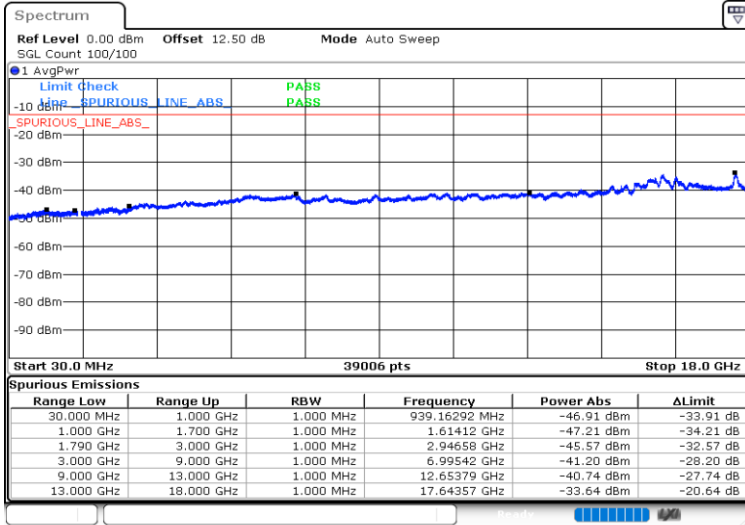
Middle Channel / QPSK



Date: 31.JAN.2024 08:24:33

Date: 31.JAN.2024 08:25:50

Highest Channel / QPSK



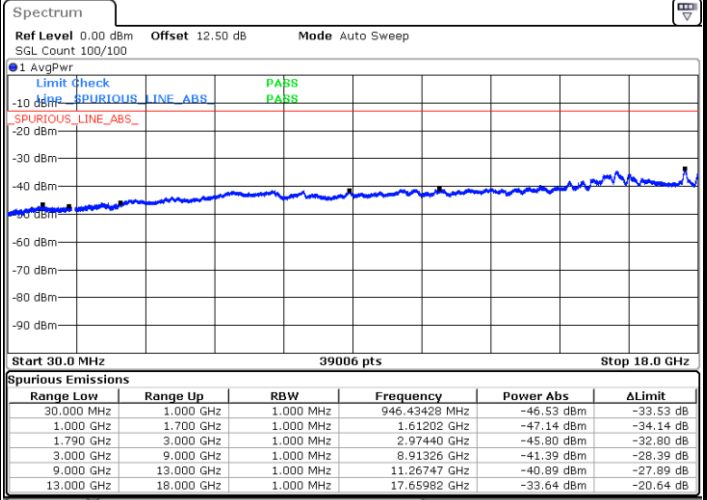
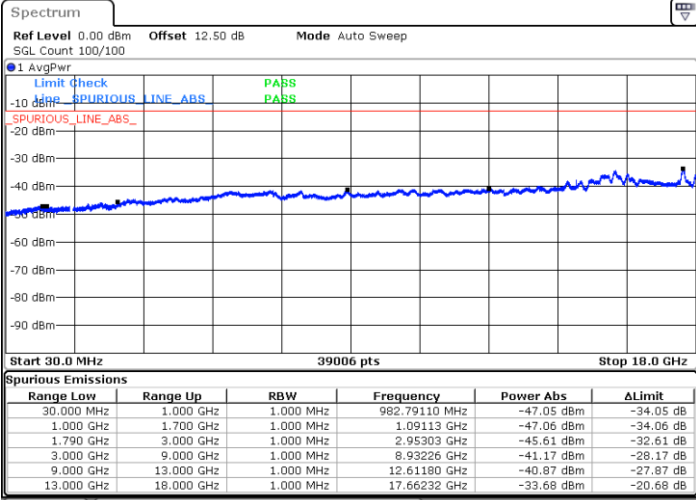
Date: 31.JAN.2024 08:27:07



LTE Band 66 / 5MHz

Lowest Channel / QPSK

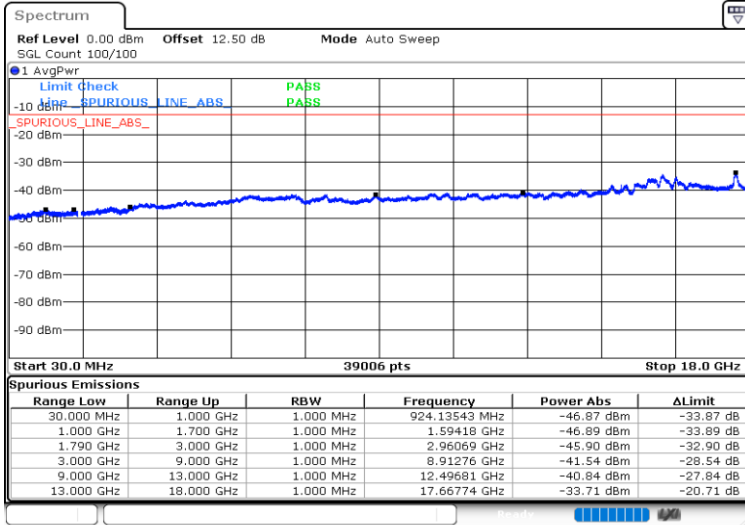
Middle Channel / QPSK



Date: 31.JAN.2024 08:28:30

Date: 31.JAN.2024 08:29:47

Highest Channel / QPSK



Date: 31.JAN.2024 08:31:04

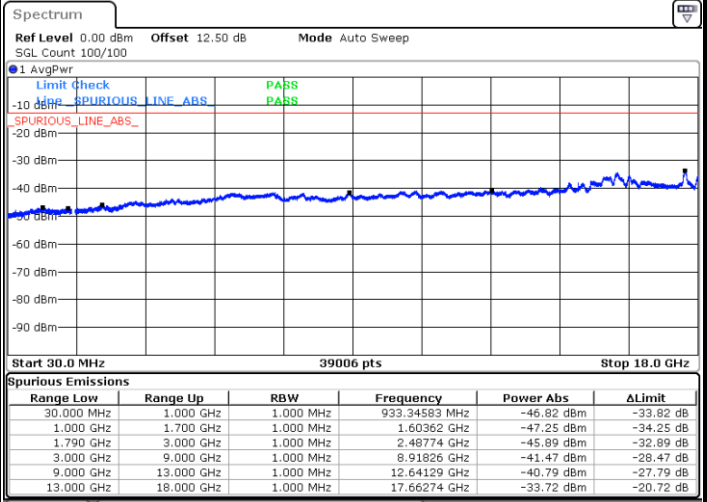
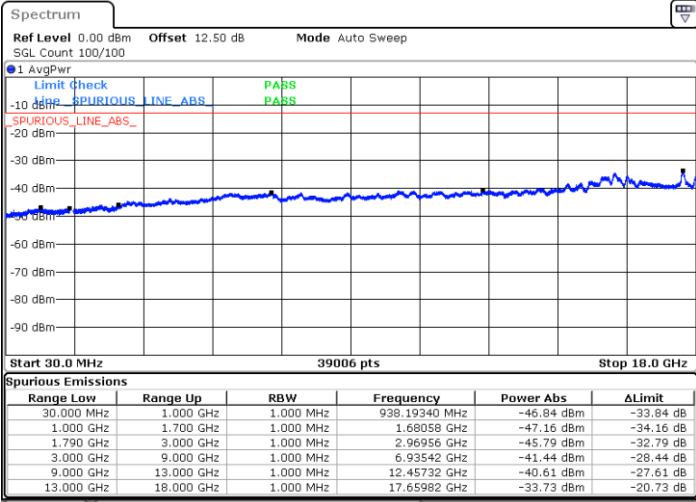




LTE Band 66 / 10MHz

Lowest Channel / QPSK

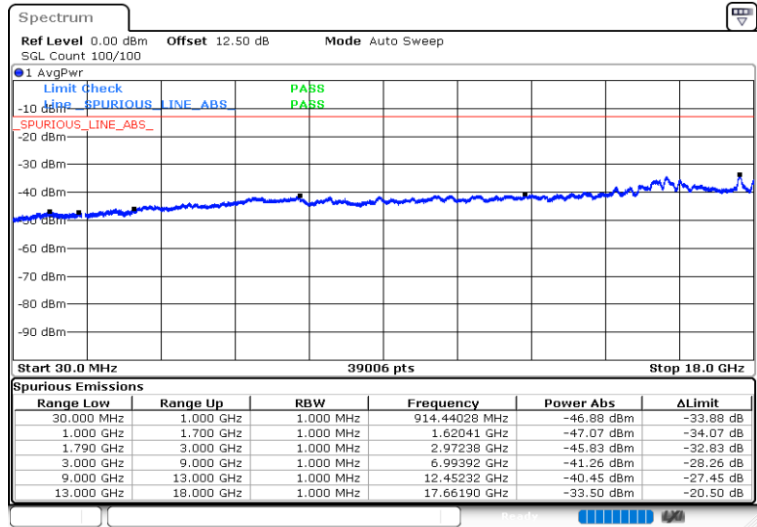
Middle Channel / QPSK



Date: 31.JAN.2024 08:32:26

Date: 31.JAN.2024 08:33:44

Highest Channel / QPSK



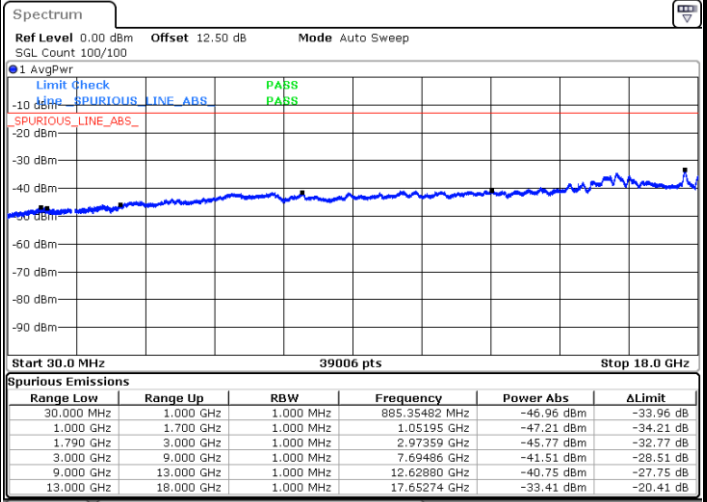
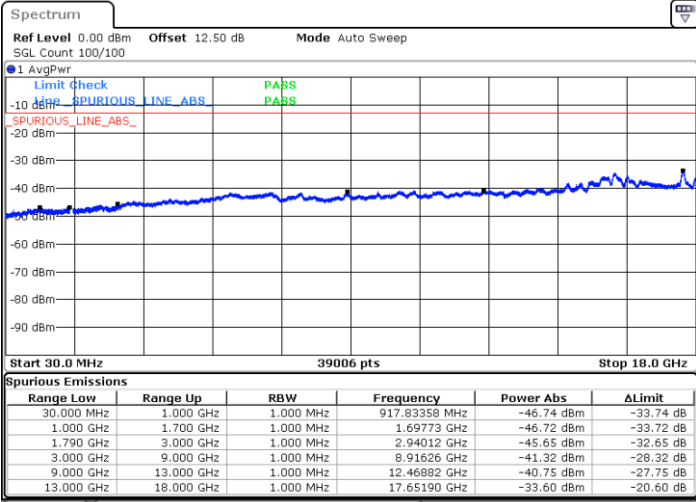
Date: 31.JAN.2024 08:35:01



LTE Band 66 / 15MHz

Lowest Channel / QPSK

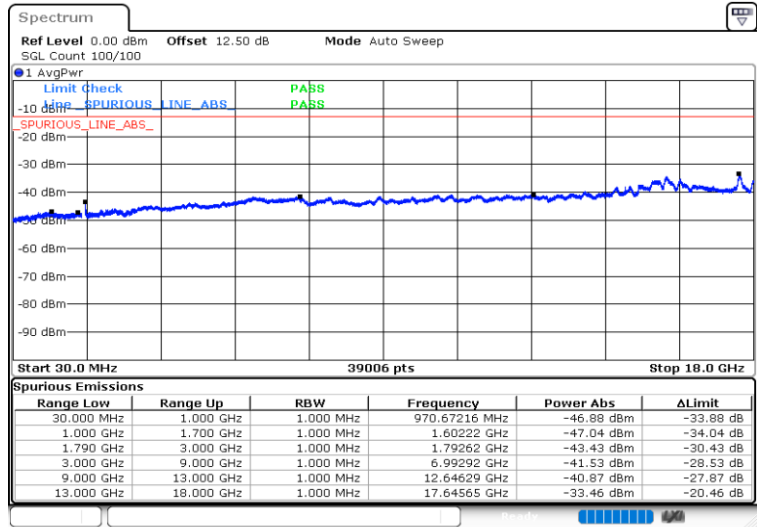
Middle Channel / QPSK



Date: 31.JAN.2024 08:36:23

Date: 31.JAN.2024 08:37:40

Highest Channel / QPSK



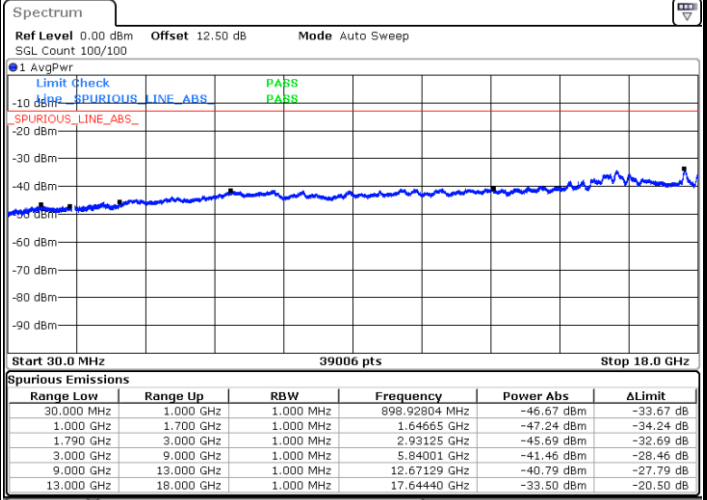
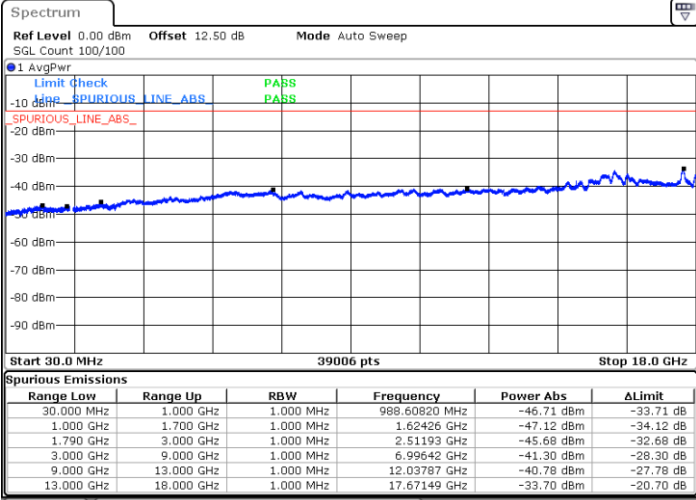
Date: 31.JAN.2024 08:38:57



LTE Band 66 / 20MHz

Lowest Channel / QPSK

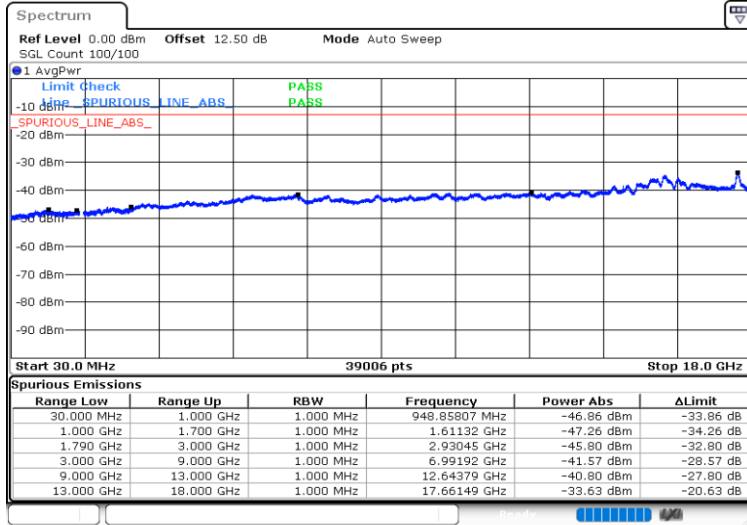
Middle Channel / QPSK



Date: 31.JAN.2024 08:40:20

Date: 31.JAN.2024 08:41:37

Highest Channel / QPSK



Date: 31.JAN.2024 08:42:54



### Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0000	PASS
40	Normal Voltage	0.0060	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0079	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0054	
20	Maximum Voltage	0.0076	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0025	

**Note:**

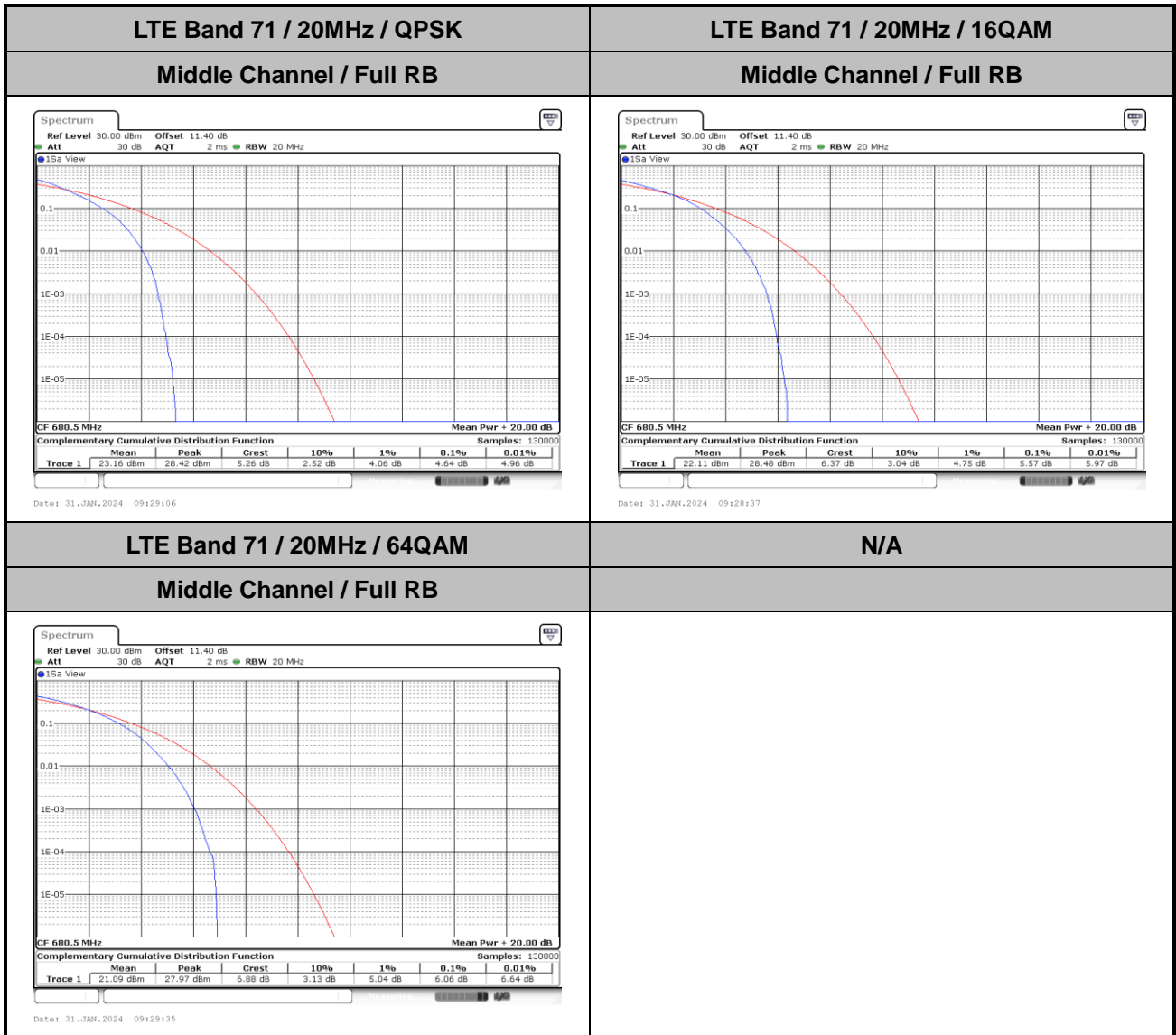
- 1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 71

## Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.64	5.57	6.06	.	PASS





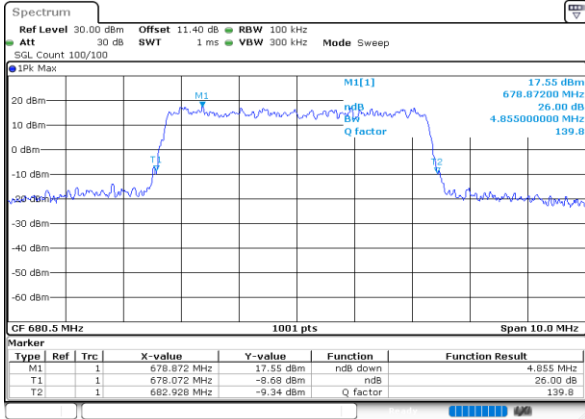
**26dB Bandwidth**

Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH					4.85	4.94	9.75	9.73	14.32	14.38	18.94	19.02
Mode	LTE Band 71 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH					4.83		9.83		14.41		18.90	



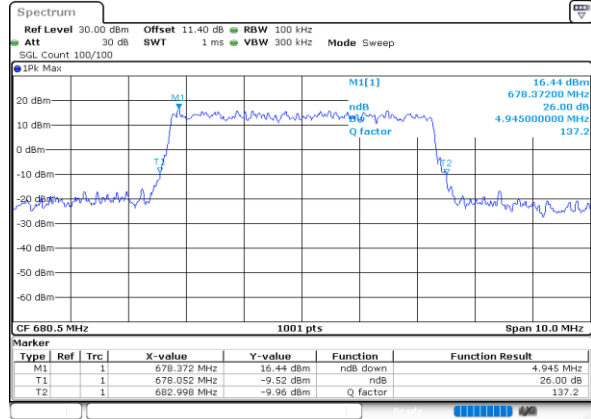
LTE Band 71

Middle Channel / 5MHz / QPSK



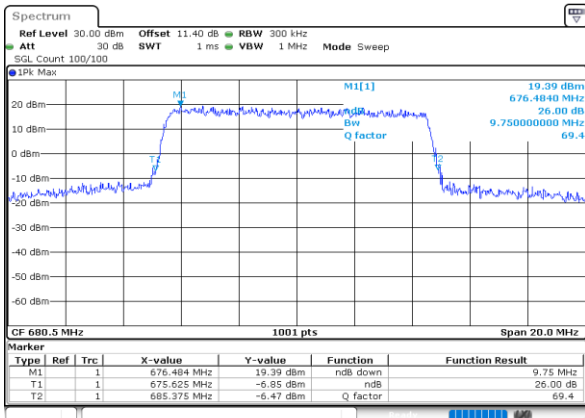
Date: 31.JAN.2024 08:51:25

Middle Channel / 5MHz / 16QAM



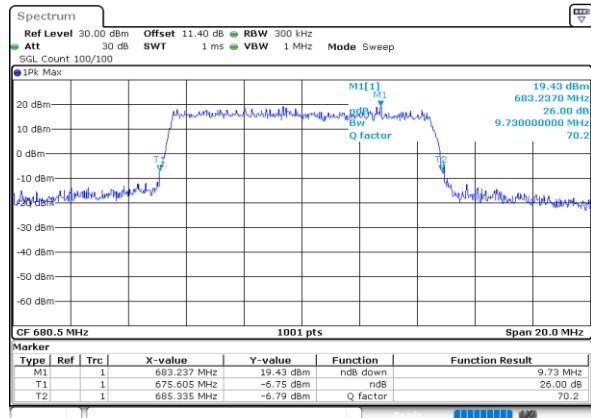
Date: 31.JAN.2024 08:51:53

Middle Channel / 10MHz / QPSK



Date: 31.JAN.2024 09:06:17

Middle Channel / 10MHz / 16QAM

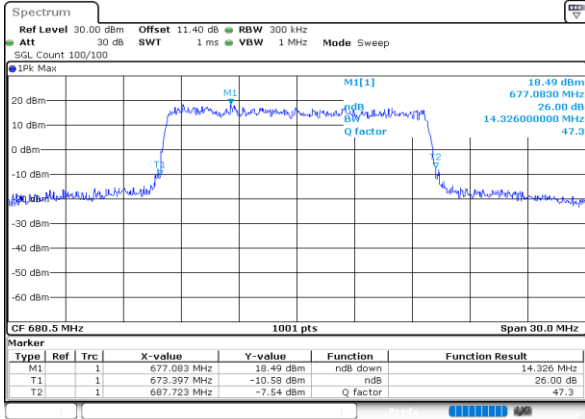


Date: 31.JAN.2024 09:06:44



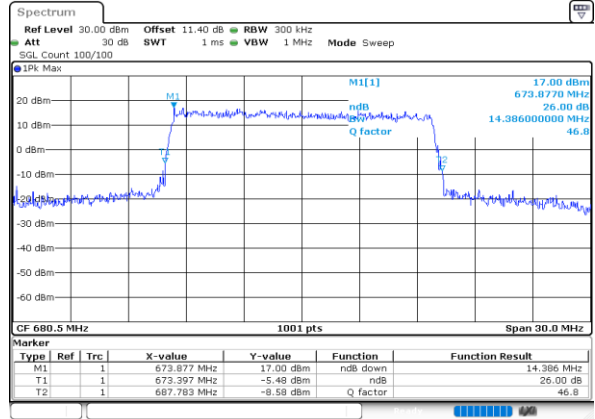
LTE Band 71

Middle Channel / 15MHz / QPSK



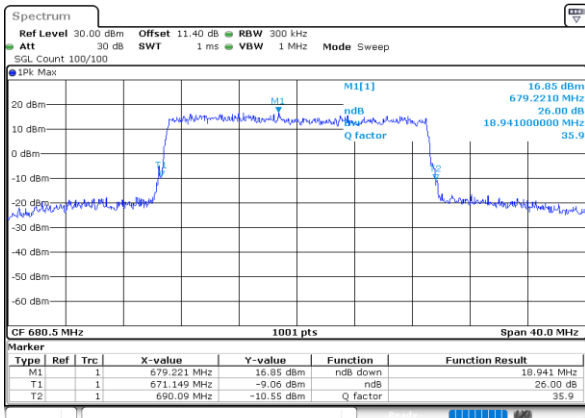
Date: 31.JAN.2024 09:14:42

Middle Channel / 15MHz / 16QAM



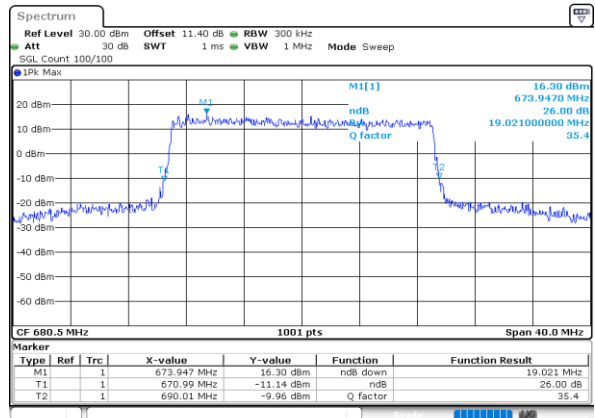
Date: 31.JAN.2024 09:15:10

Middle Channel / 20MHz / QPSK



Date: 31.JAN.2024 09:23:07

Middle Channel / 20MHz / 16QAM



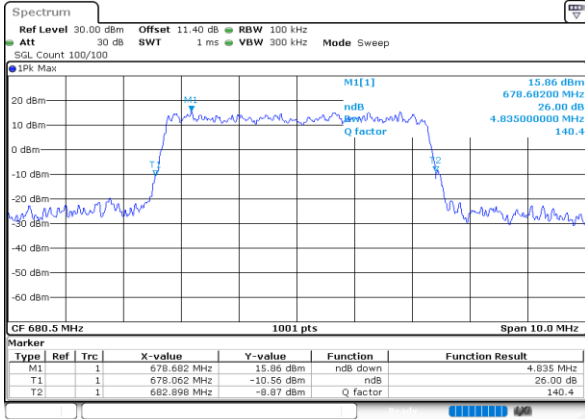
Date: 31.JAN.2024 09:23:35





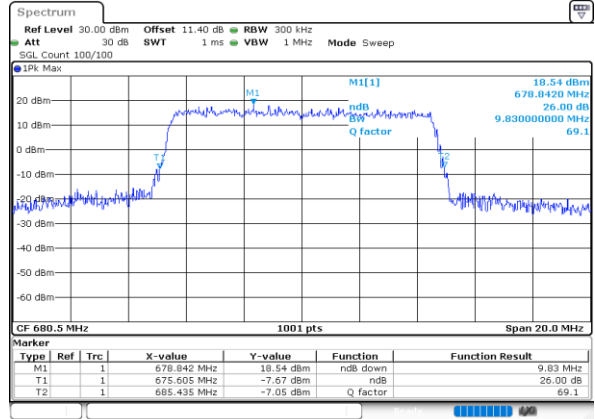
LTE Band 71

Middle Channel / 5MHz / 64QAM



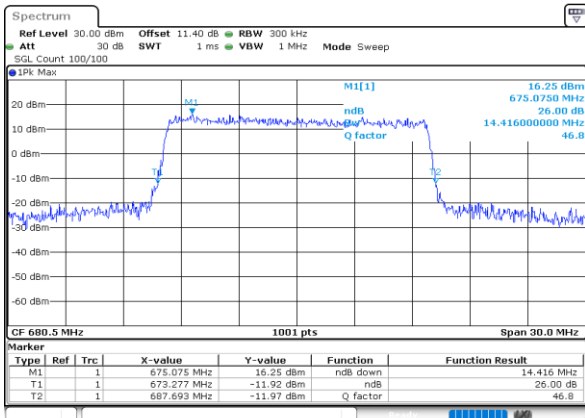
Date: 31.JAN.2024 09:00:55

Middle Channel / 10MHz / 64QAM



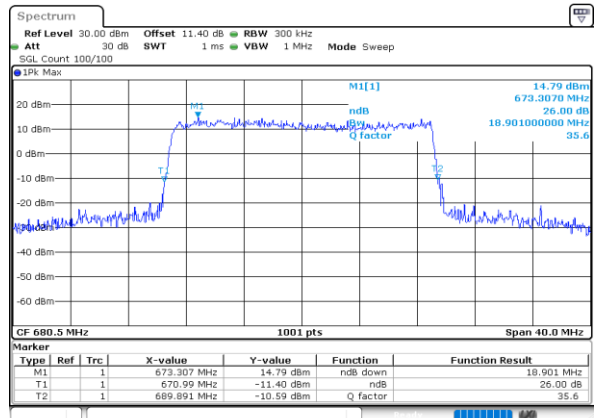
Date: 31.JAN.2024 09:10:19

Middle Channel / 15MHz / 64QAM



Date: 31.JAN.2024 09:18:44

Middle Channel / 20MHz / 64QAM



Date: 31.JAN.2024 09:27:10



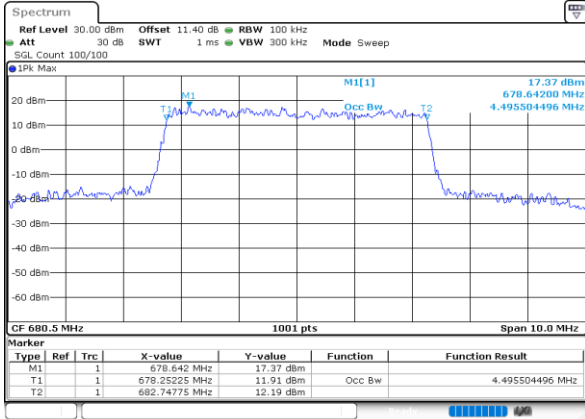
**Occupied Bandwidth**

Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.49	4.48	9.07	9.03	13.45	13.45	17.86	17.94
Mode	LTE Band 71 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.51	-	9.05	-	13.45	-	17.86	-



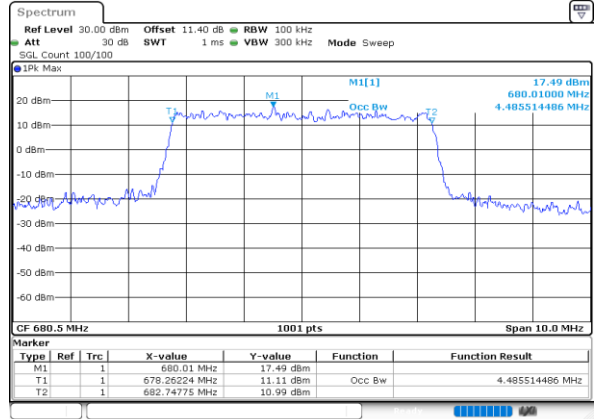
LTE Band 71

Middle Channel / 5MHz / QPSK



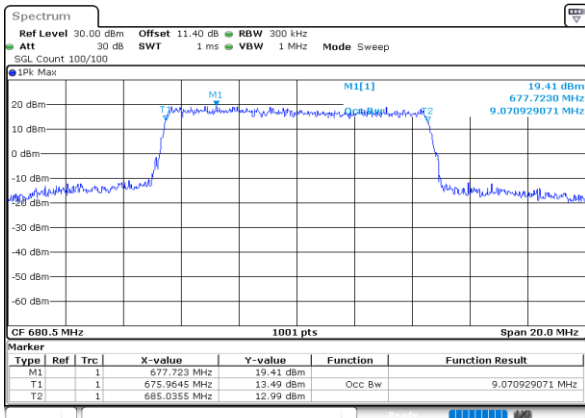
Date: 31.JAN.2024 08:50:29

Middle Channel / 5MHz / 16QAM



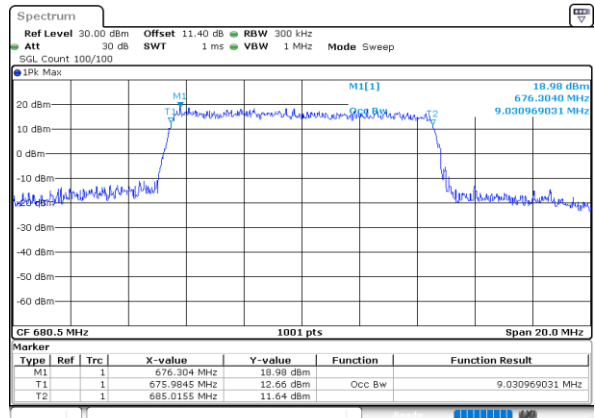
Date: 31.JAN.2024 08:50:57

Middle Channel / 10MHz / QPSK



Date: 31.JAN.2024 09:05:21

Middle Channel / 10MHz / 16QAM

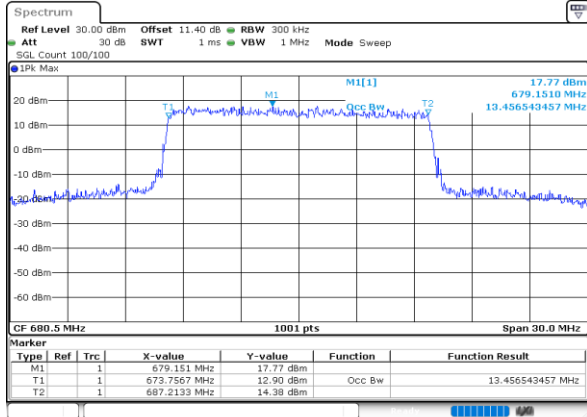


Date: 31.JAN.2024 09:05:49



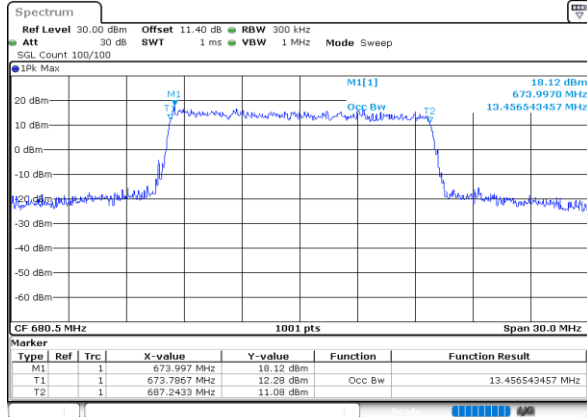
LTE Band 71

Middle Channel / 15MHz / QPSK



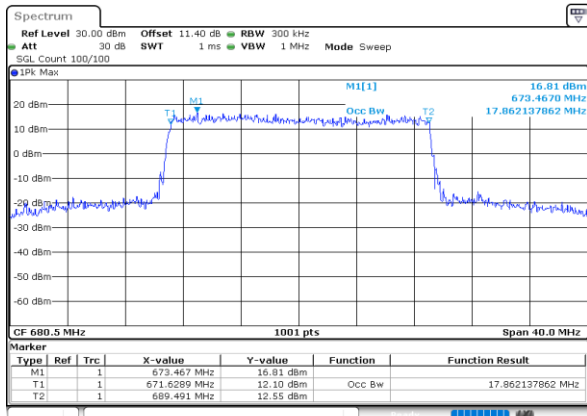
Date: 31.JAN.2024 09:13:46

Middle Channel / 15MHz / 16QAM



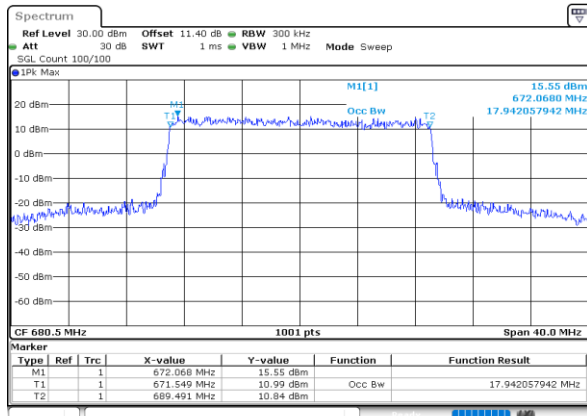
Date: 31.JAN.2024 09:14:14

Middle Channel / 20MHz / QPSK



Date: 31.JAN.2024 09:22:11

Middle Channel / 20MHz / 16QAM

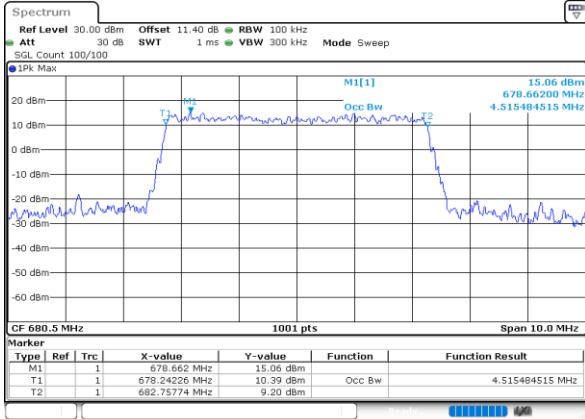


Date: 31.JAN.2024 09:22:39



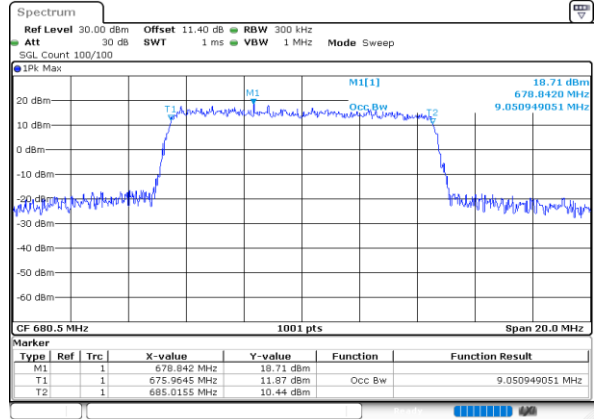
LTE Band 71

Middle Channel / 5MHz / 64QAM



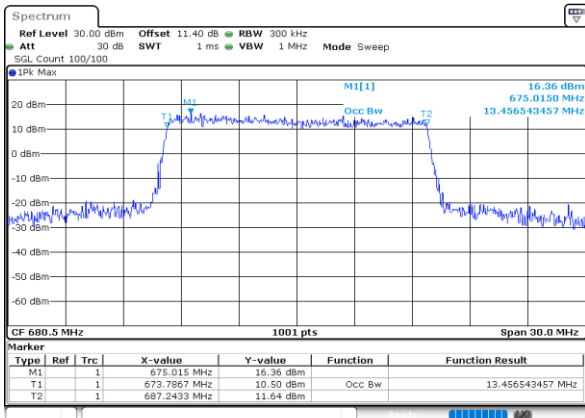
Date: 31.JAN.2024 09:00:42

Middle Channel / 10MHz / 64QAM



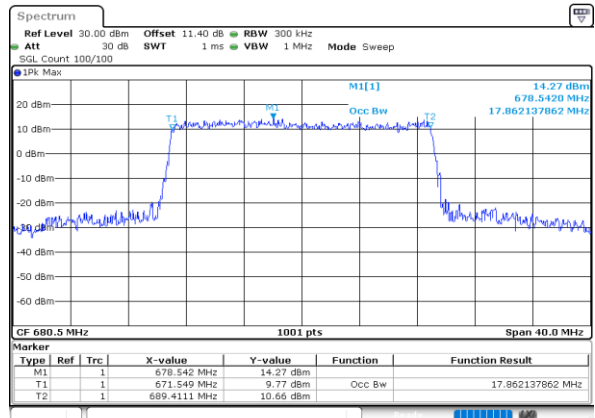
Date: 31.JAN.2024 09:10:06

Middle Channel / 15MHz / 64QAM



Date: 31.JAN.2024 09:18:32

Middle Channel / 20MHz / 64QAM



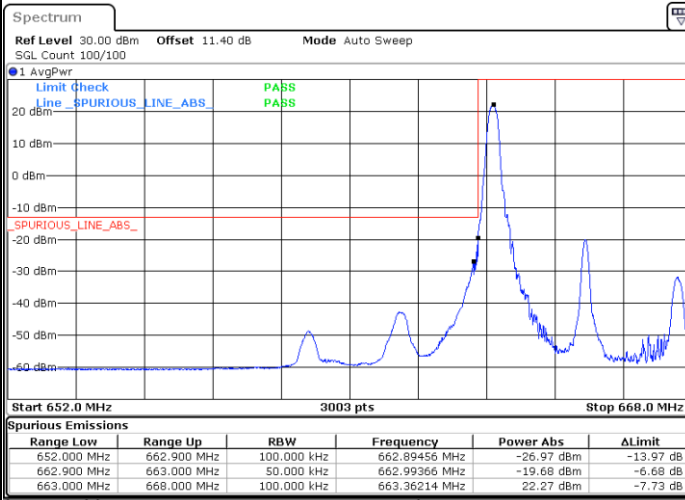
Date: 31.JAN.2024 09:26:57



# Conducted Band Edge

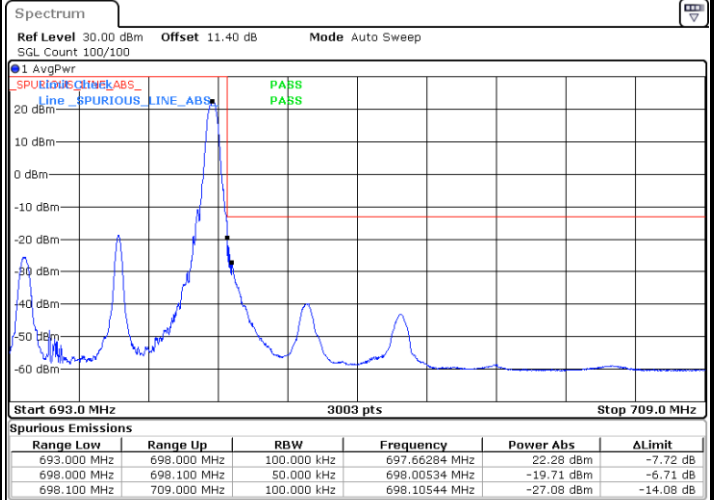
## LTE Band 71 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



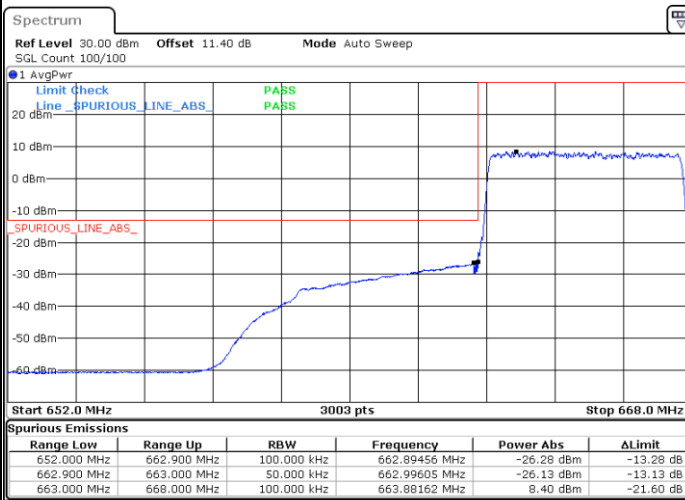
Date: 31.JAN.2024 08:45:51

### Highest Band Edge / 1 RB



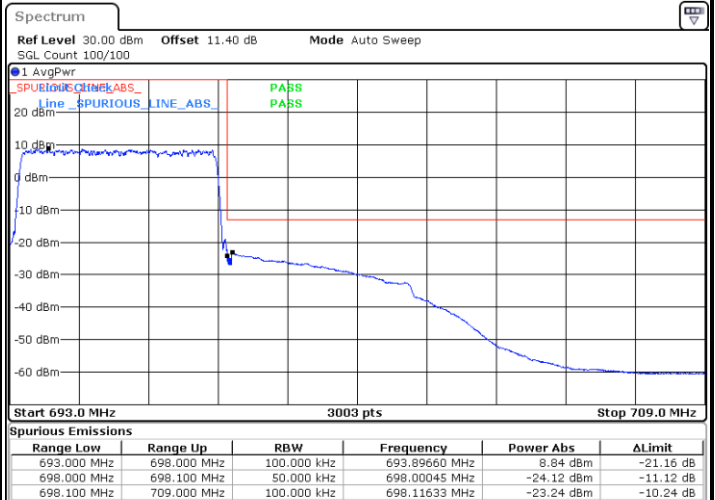
Date: 31.JAN.2024 08:54:06

### Lowest Band Edge / Full RB



Date: 31.JAN.2024 08:47:46

### Highest Band Edge / Full RB

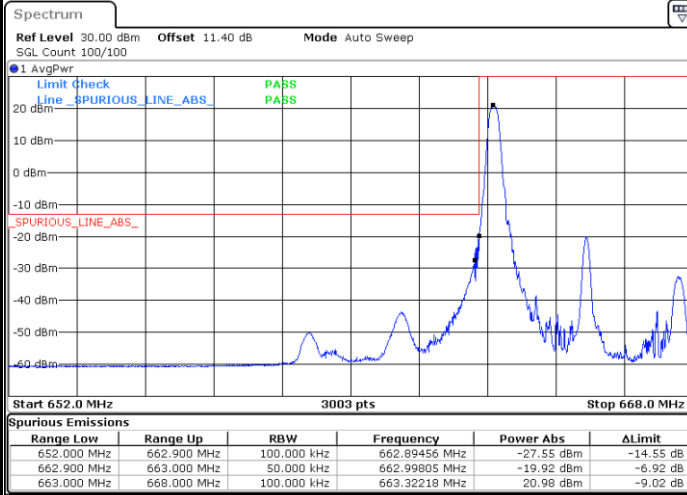


Date: 31.JAN.2024 08:56:02



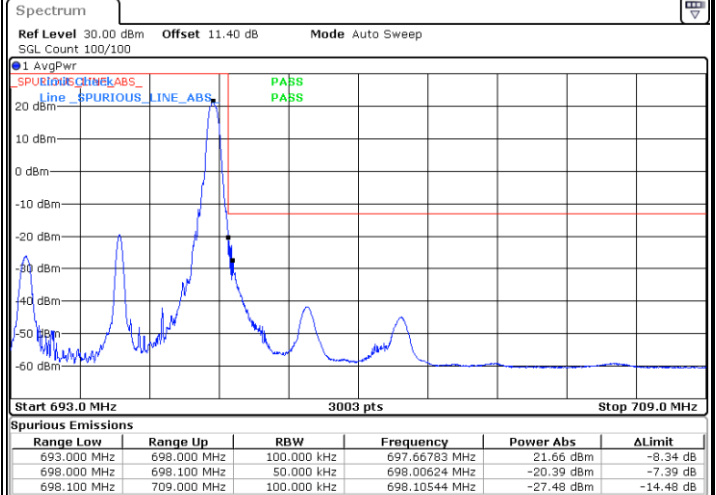
LTE Band 71 / 5MHz / 16QAM

Lowest Band Edge / 1RB



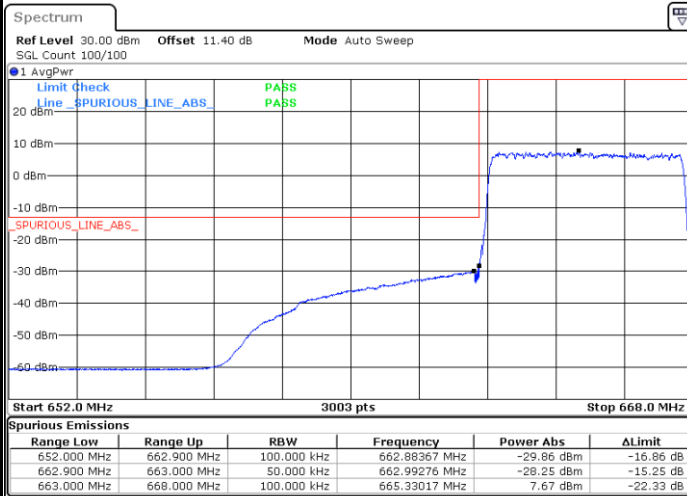
Date: 31.JAN.2024 08:46:49

Highest Band Edge / 1 RB



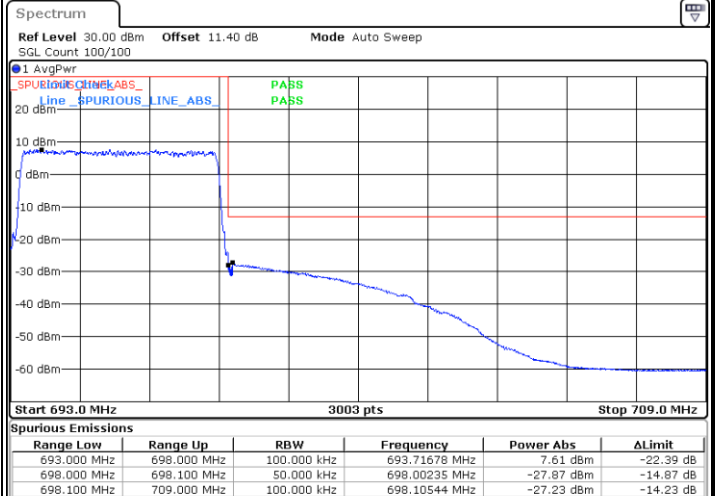
Date: 31.JAN.2024 08:55:04

Lowest Band Edge / Full RB



Date: 31.JAN.2024 08:48:44

Highest Band Edge / Full RB

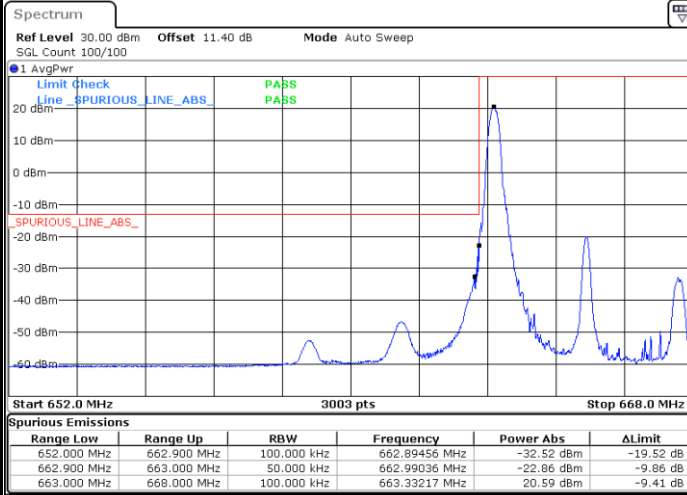


Date: 31.JAN.2024 08:57:01



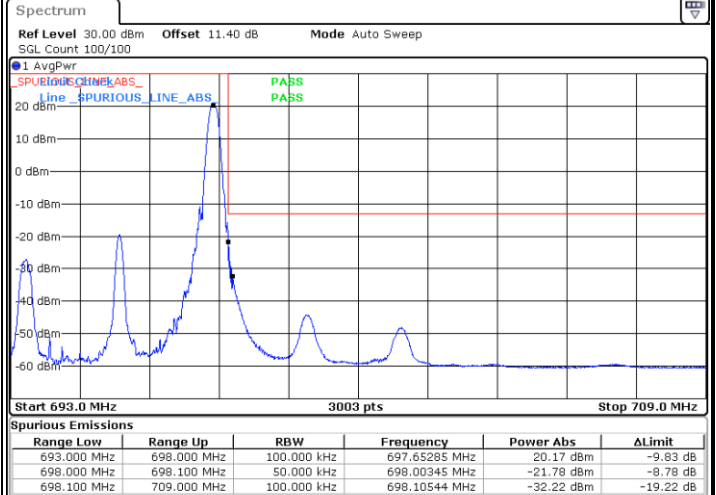
LTE Band 71 / 5MHz / 64QAM

Lowest Band Edge / 1RB



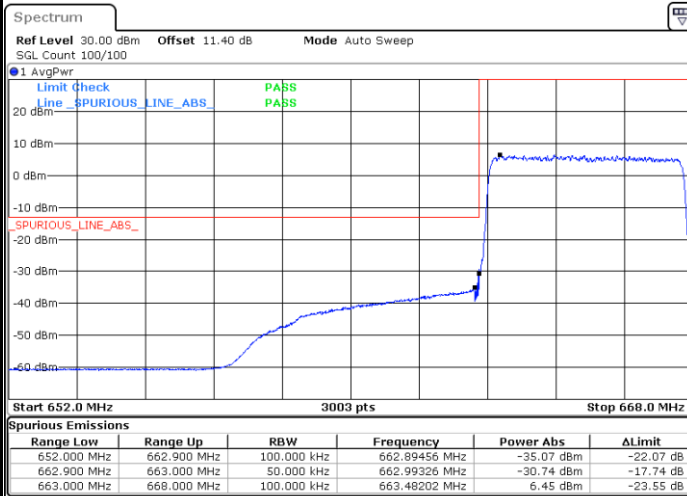
Date: 31.JAN.2024 08:59:16

Highest Band Edge / 1 RB



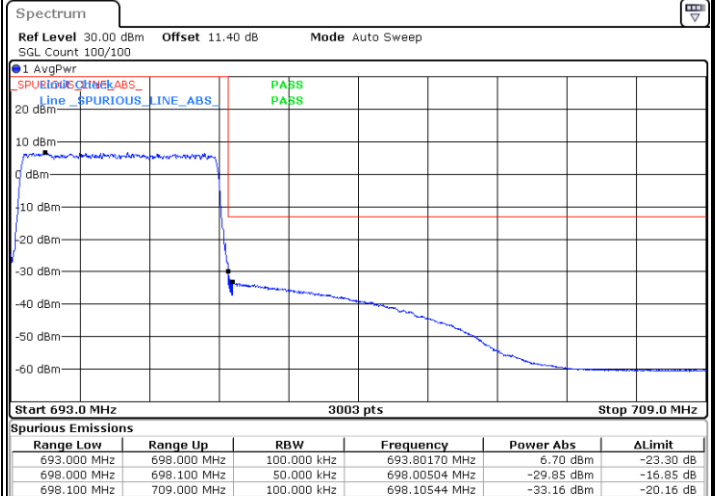
Date: 31.JAN.2024 09:01:53

Lowest Band Edge / Full RB



Date: 31.JAN.2024 09:00:14

Highest Band Edge / Full RB



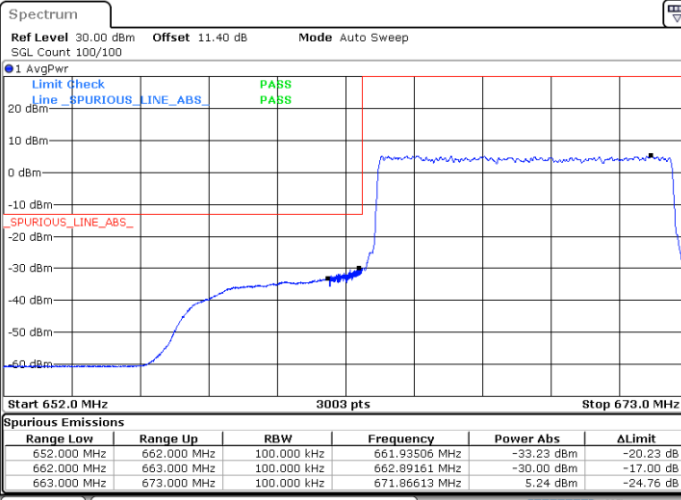
Date: 31.JAN.2024 09:02:51





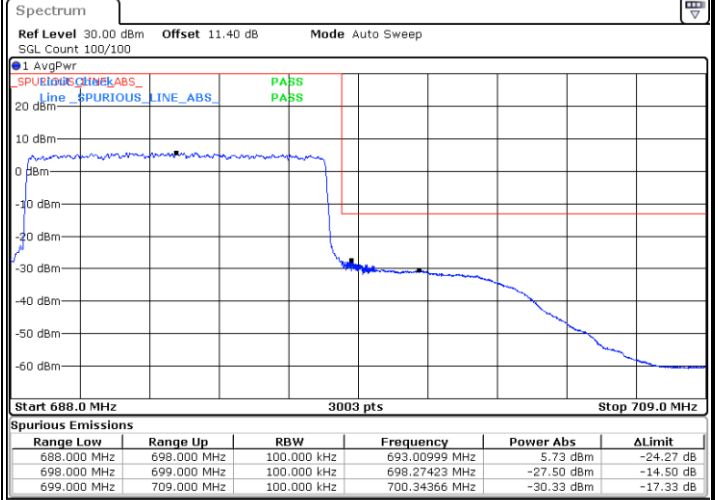
LTE Band 71 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 31.JAN.2024 09:03:54

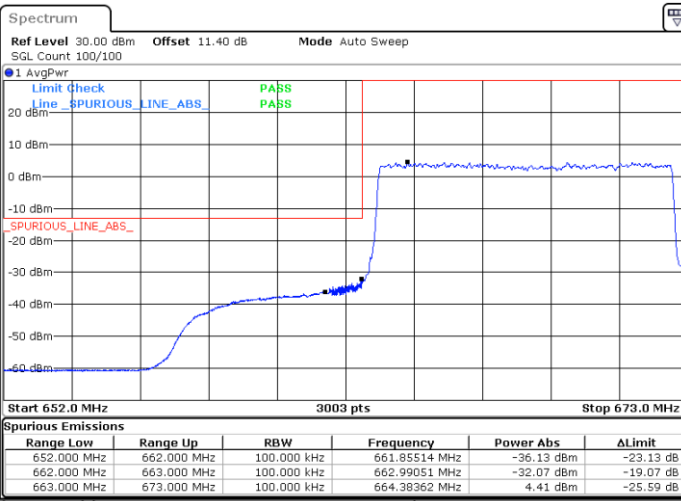
Highest Band Edge / Full RB



Date: 31.JAN.2024 09:07:41

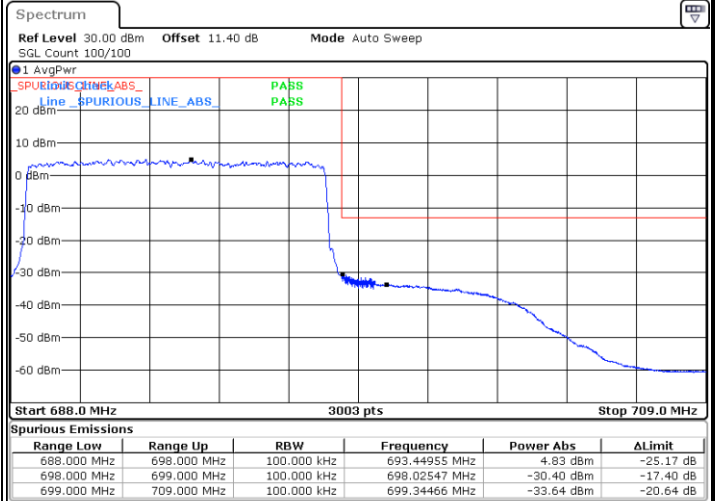
LTE Band 71 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 31.JAN.2024 09:04:52

Highest Band Edge / Full RB



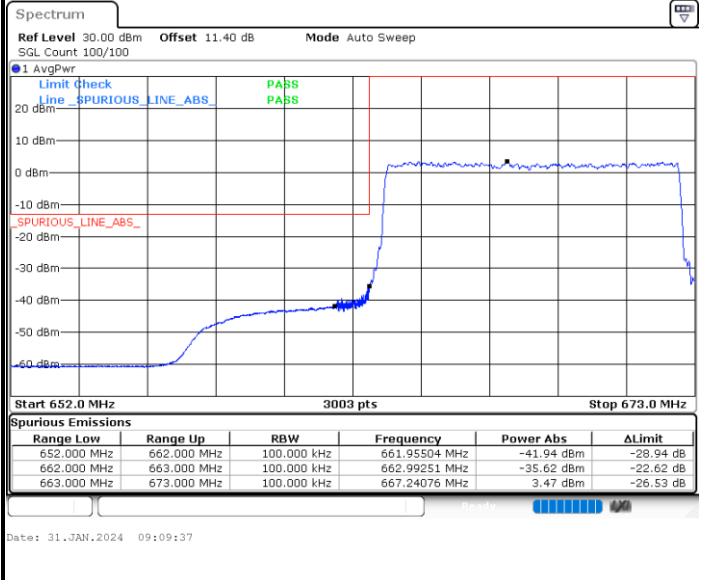
Date: 31.JAN.2024 09:08:39



LTE Band 71 / 10MHz / 64QAM

Lowest Band Edge / Full RB

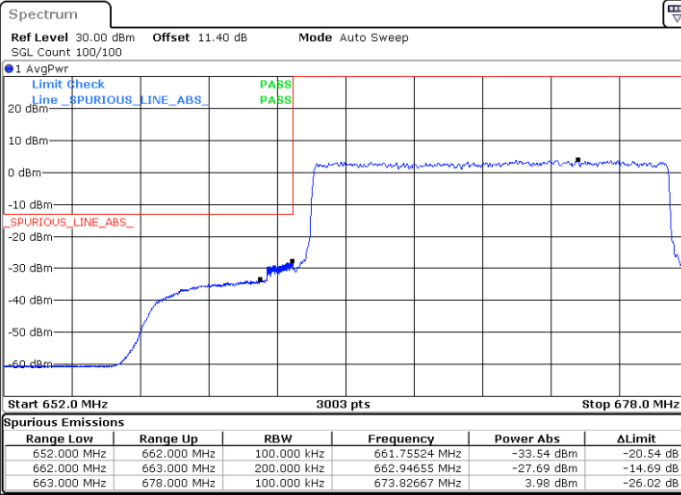
Highest Band Edge / Full RB





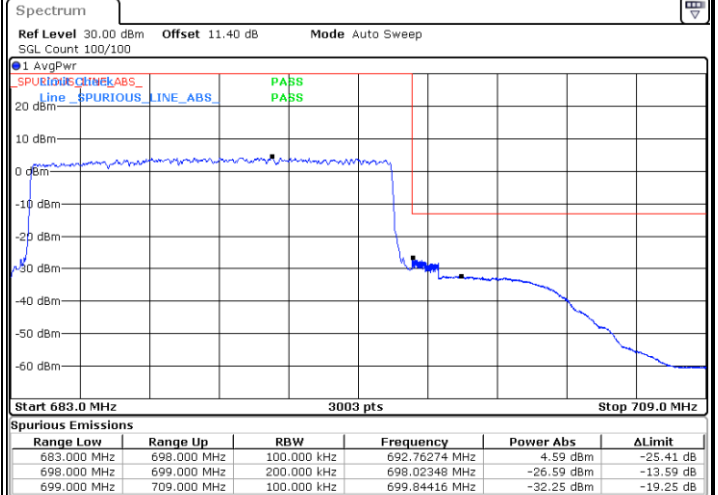
LTE Band 71 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 31.JAN.2024 09:12:19

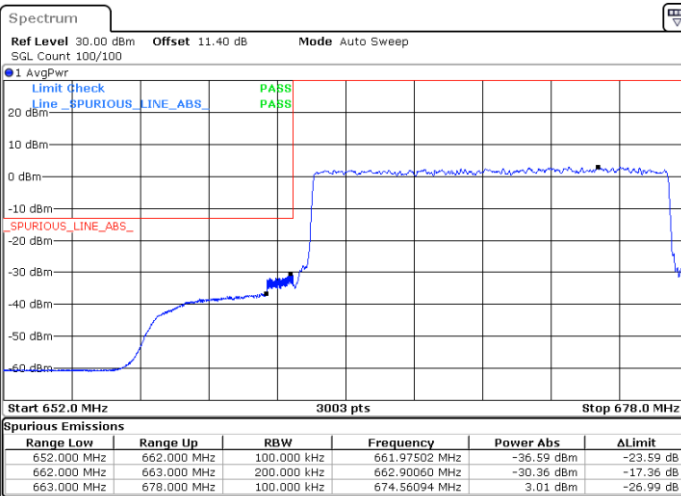
Highest Band Edge / Full RB



Date: 31.JAN.2024 09:16:07

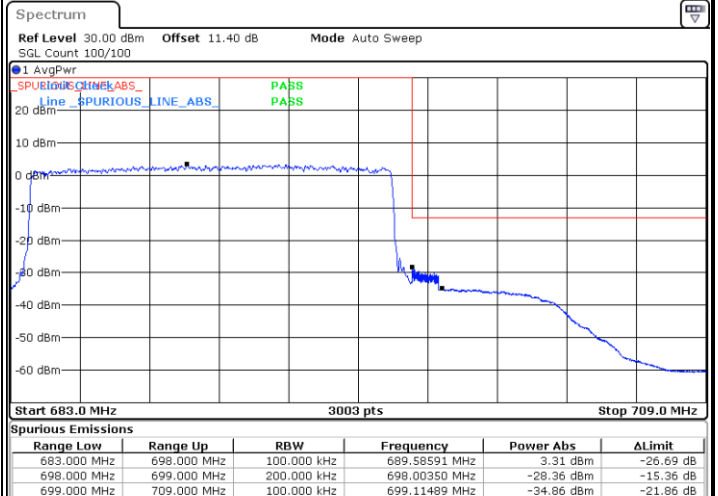
LTE Band 71 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 31.JAN.2024 09:13:17

Highest Band Edge / Full RB



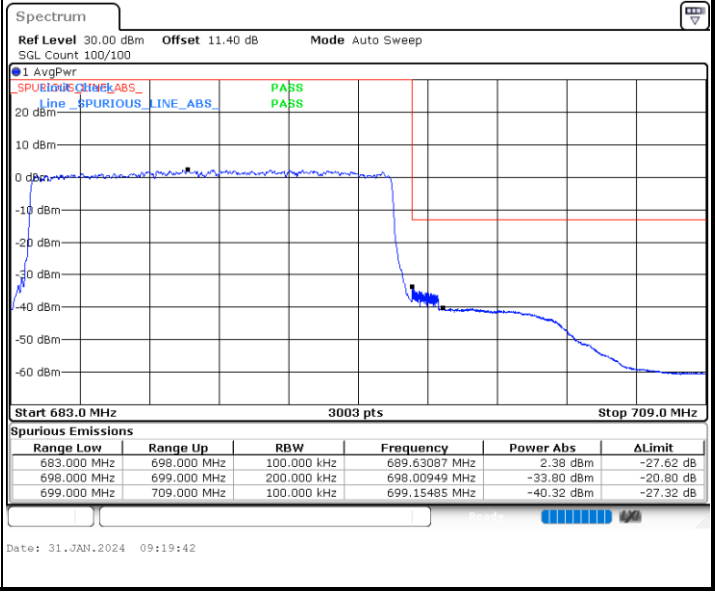
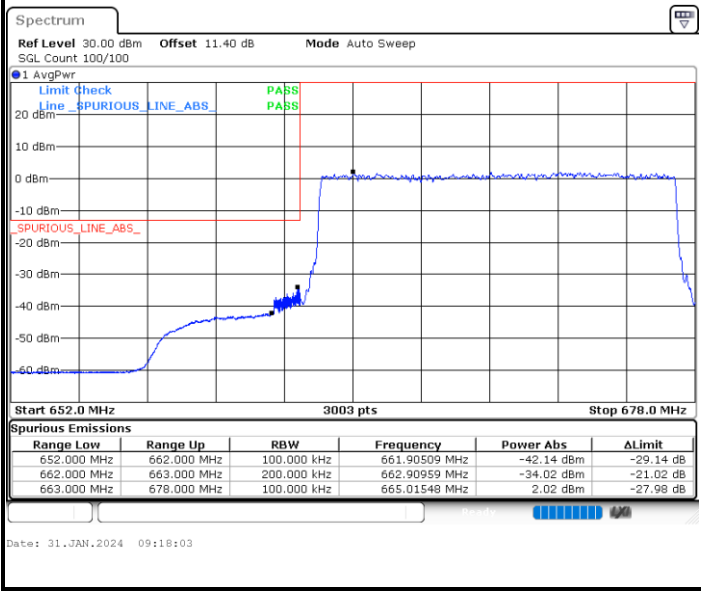
Date: 31.JAN.2024 09:17:05



LTE Band 71 / 15MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

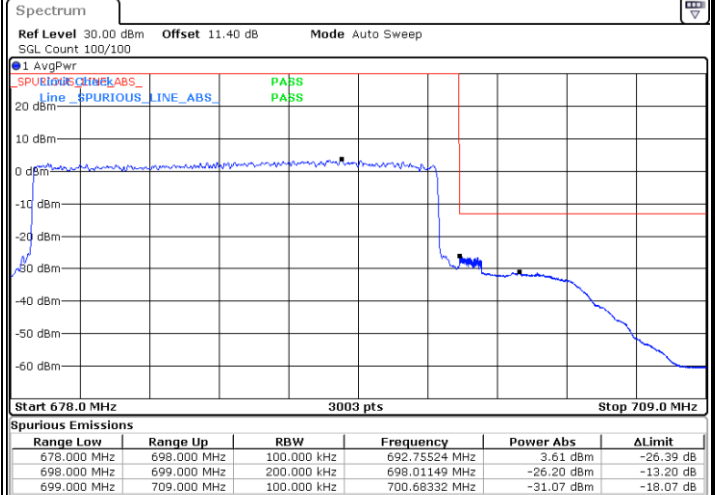
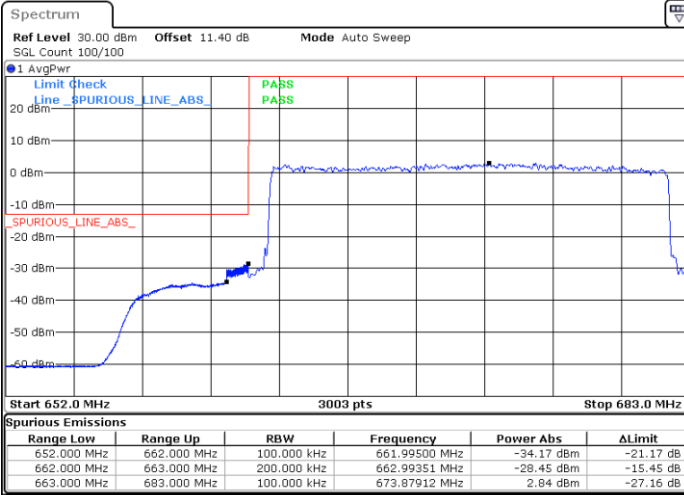




LTE Band 71 / 20MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



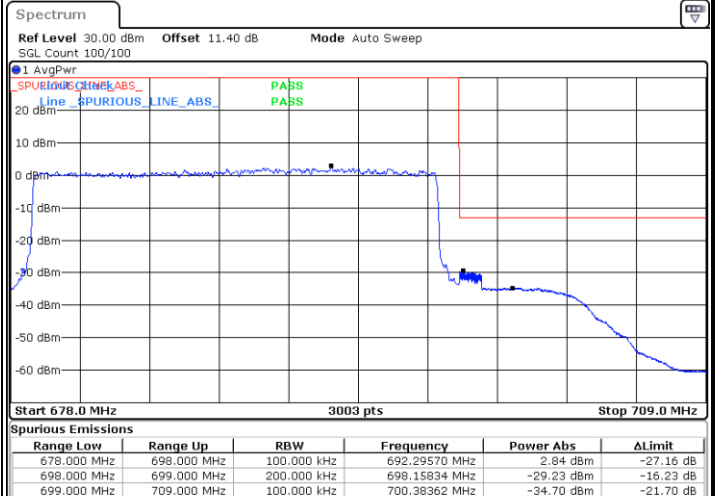
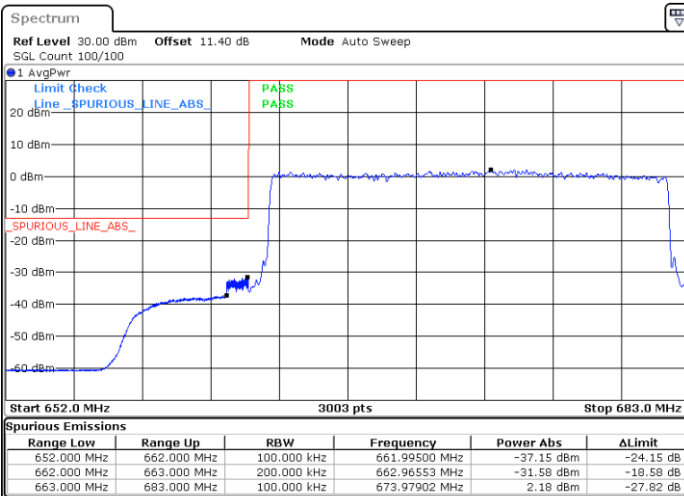
Date: 31.JAN.2024 09:20:45

Date: 31.JAN.2024 09:25:30

LTE Band 71 / 20MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.JAN.2024 09:21:43

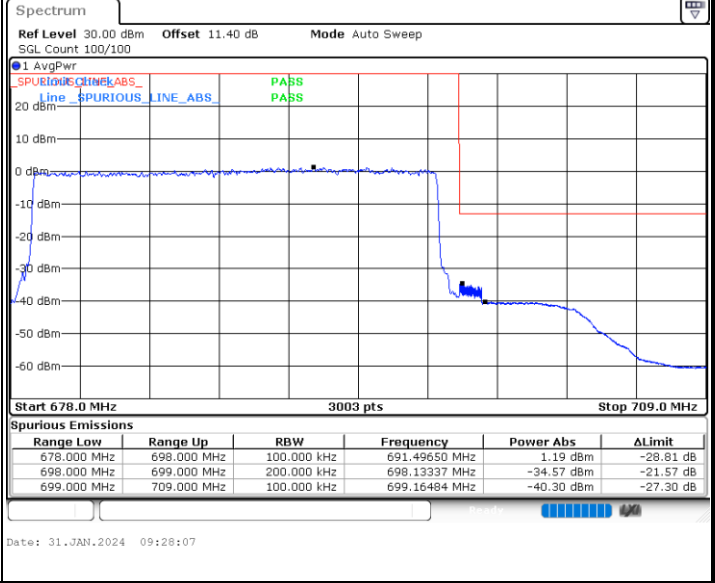
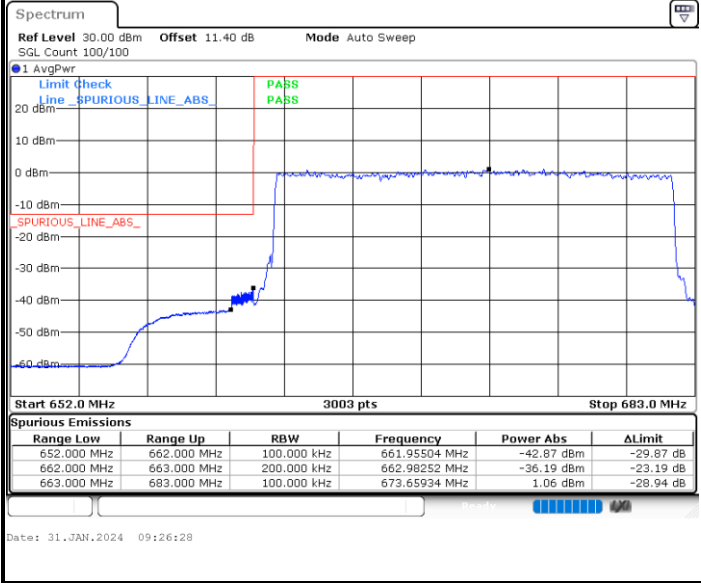
Date: 31.JAN.2024 09:24:32



LTE Band 71 / 20MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

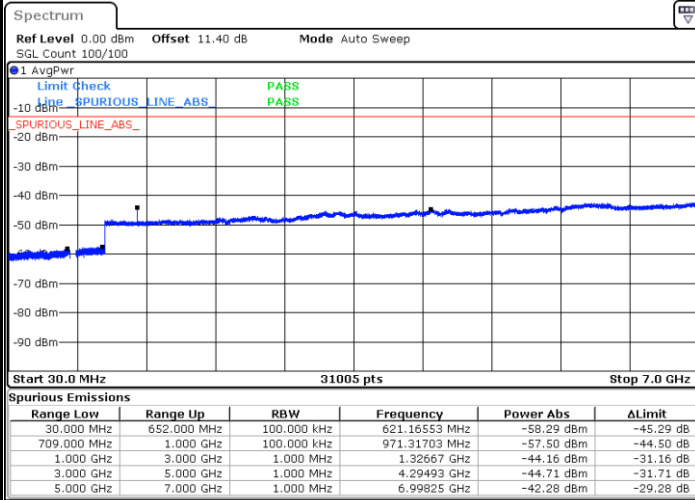




# Conducted Spurious Emission

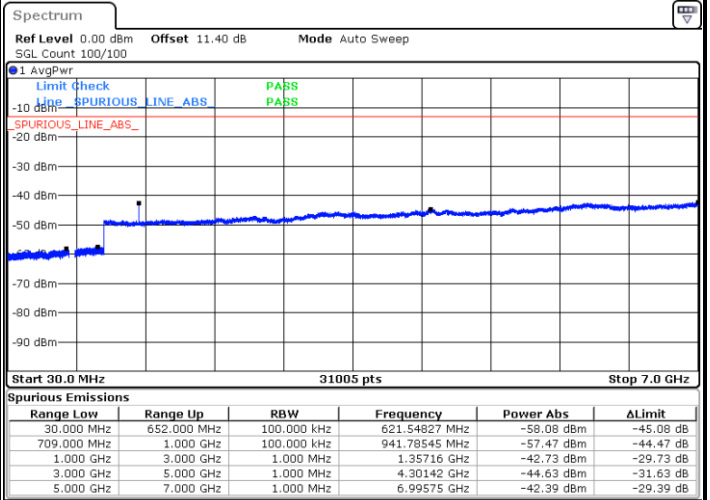
## LTE Band 71 / 5MHz

### Lowest Channel / QPSK



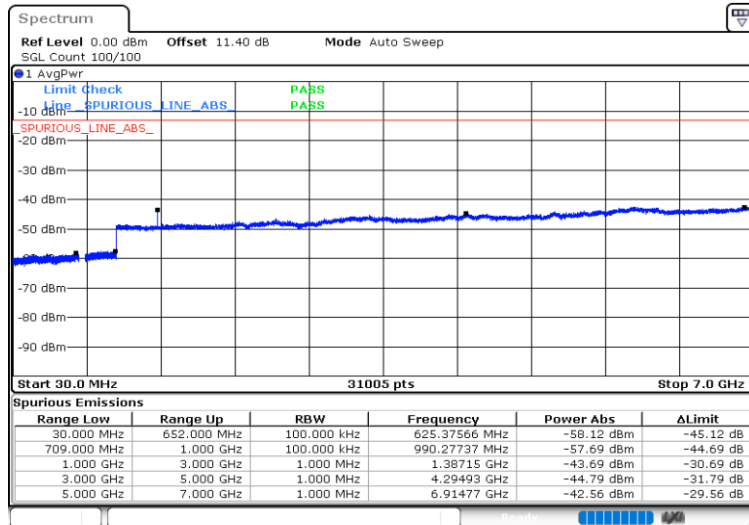
Date: 31.JAN.2024 08:50:01

### Middle Channel / QPSK



Date: 31.JAN.2024 08:53:09

### Highest Channel / QPSK



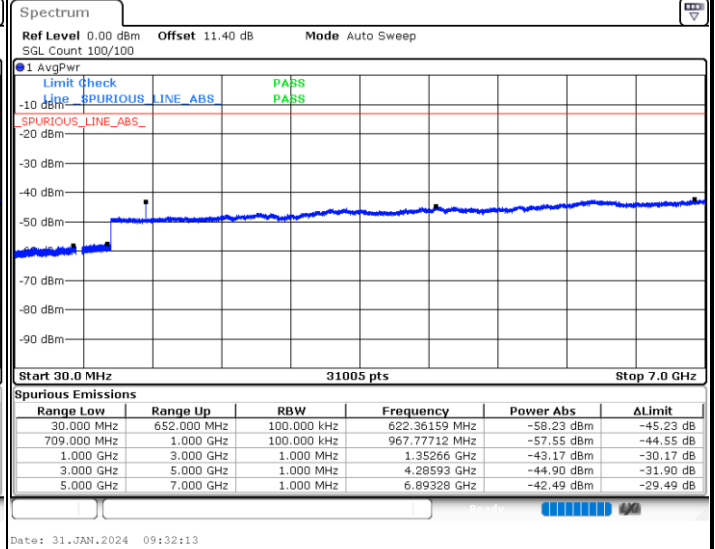
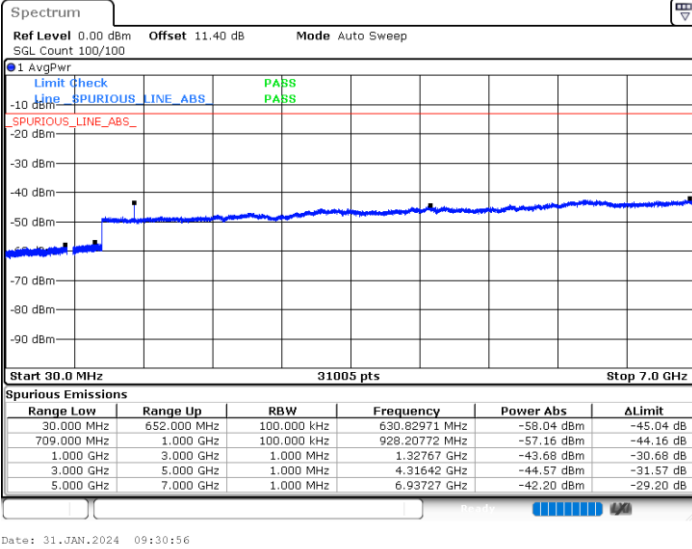
Date: 31.JAN.2024 08:58:18



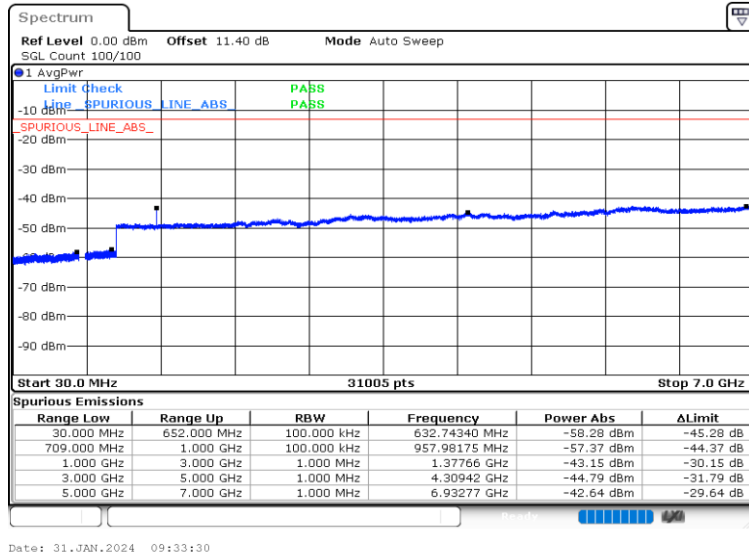
LTE Band 71 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK



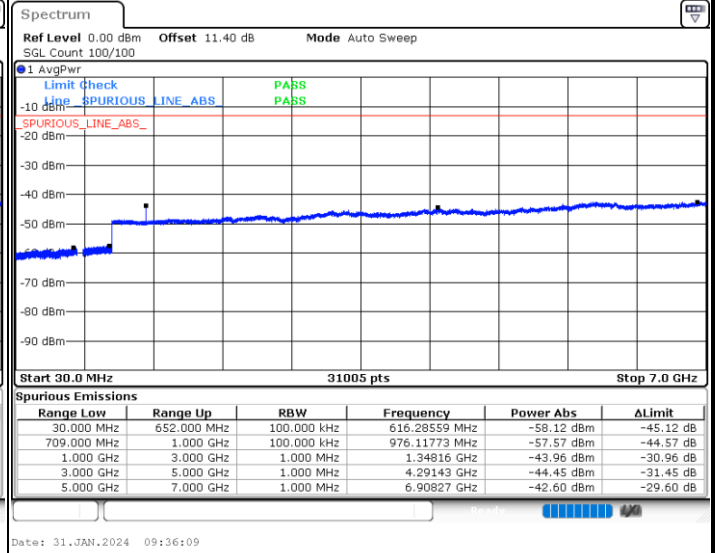
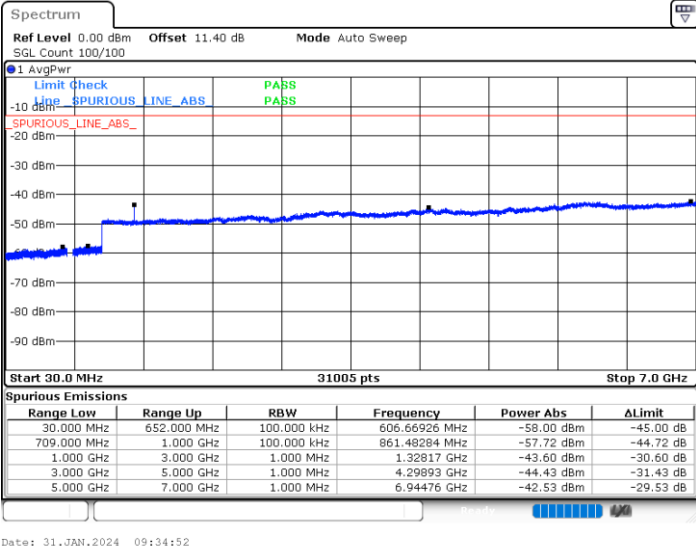




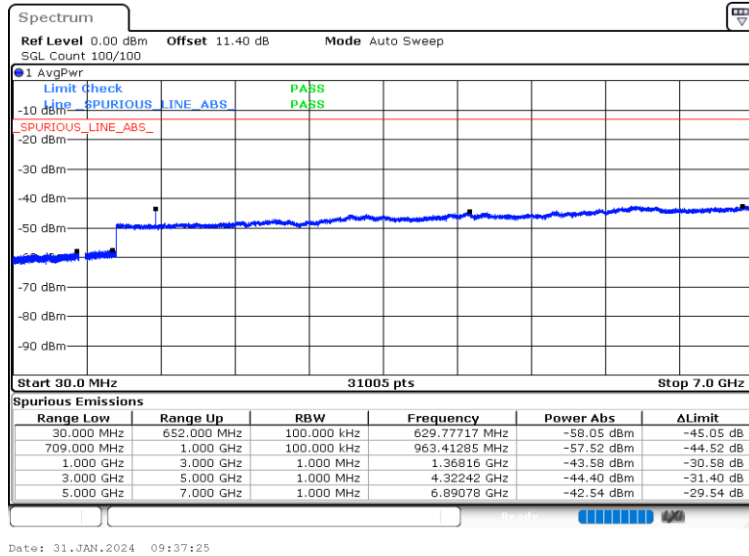
LTE Band 71 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

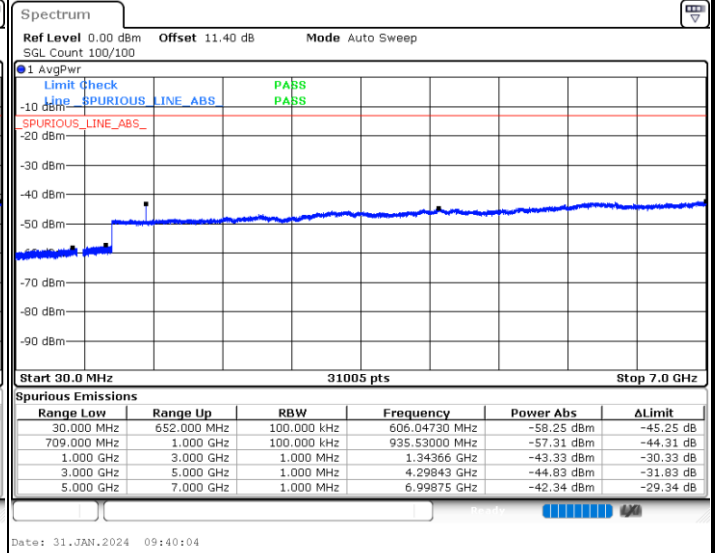
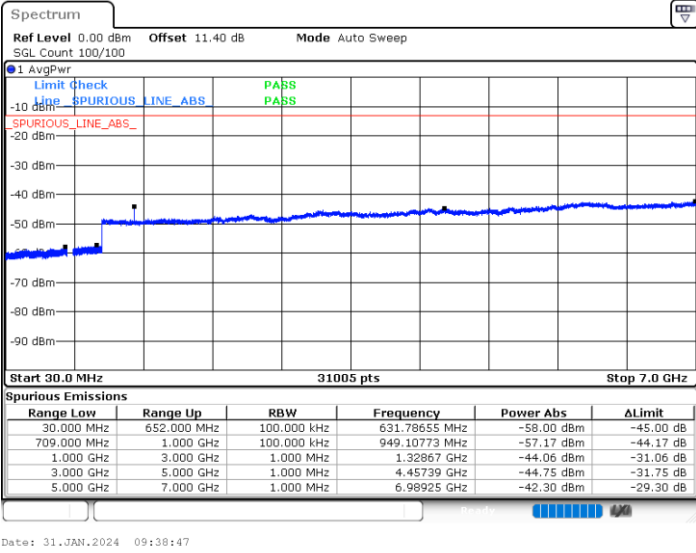




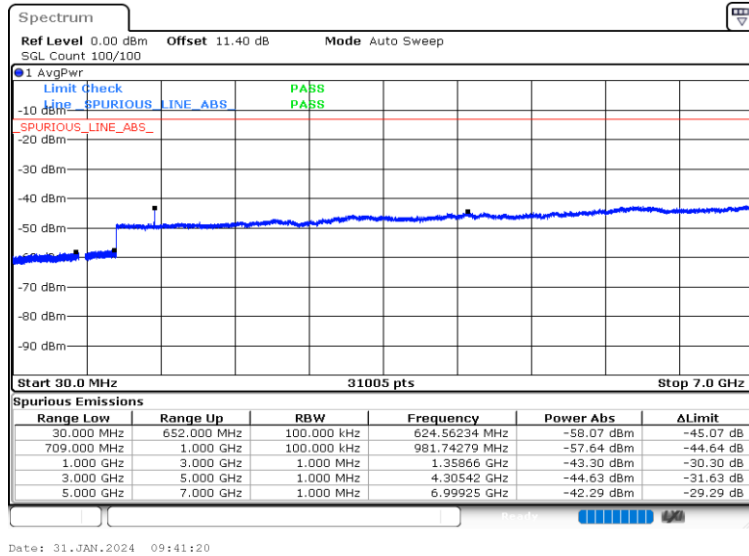
LTE Band 71 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





### Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0000	PASS
40	Normal Voltage	0.0050	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0048	
-10	Normal Voltage	0.0153	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0043	
20	Maximum Voltage	0.0084	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0054	

**Note:**

- 1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 5B

### 26dB Bandwidth

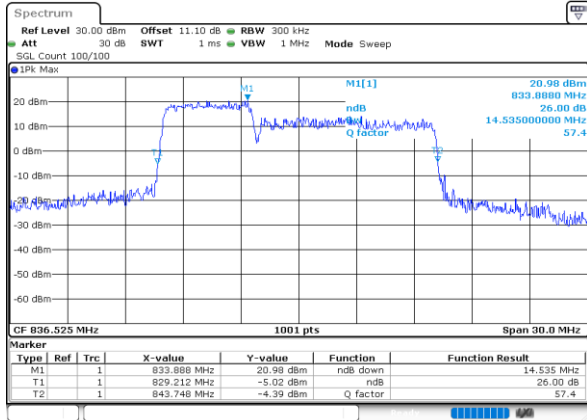
Mode	LTE Band 5B : 26dB BW(MHz)		
<b>QPSK</b>			
<b>BW</b>	<b>10MHz+5MHz</b>	<b>10MHz+10MHz</b>	<b>5MHz+10MHz</b>
<b>Middle CH</b>	14.71	19.57	14.53
<b>16QAM</b>			
<b>BW</b>	<b>10MHz+5MHz</b>	<b>10MHz+10MHz</b>	<b>5MHz+10MHz</b>
<b>Middle CH</b>	14.74	19.66	14.53
<b>64QAM</b>			
<b>BW</b>	<b>10MHz+5MHz</b>	<b>10MHz+10MHz</b>	<b>5MHz+10MHz</b>
<b>Middle CH</b>	14.65	19.73	14.53



LTE Band 5B

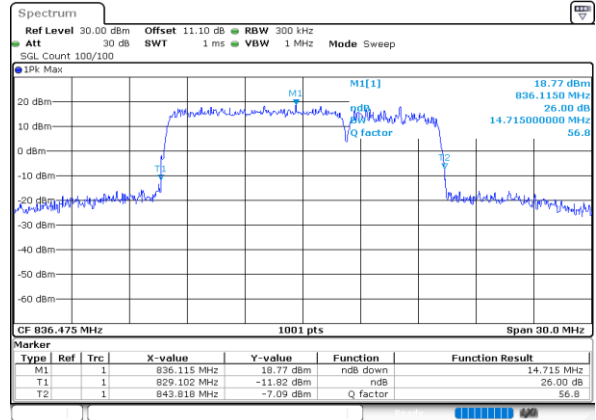
QPSK

Middle Channel / 5MHz+10MHz



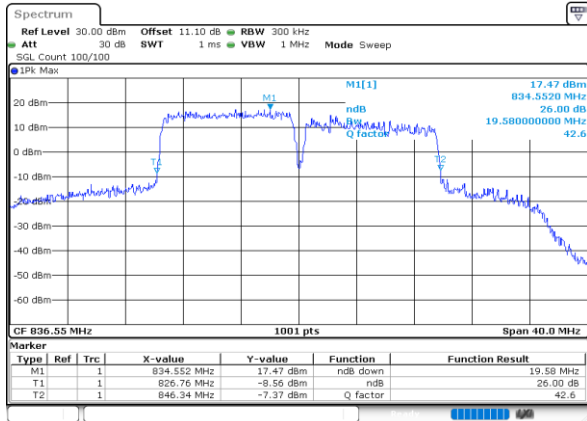
Date: 13.FEB.2024 10:06:40

Middle Channel / 10MHz+5MHz



Date: 13.FEB.2024 11:13:23

Middle Channel / 10MHz+10MHz



Date: 14.FEB.2024 13:12:43

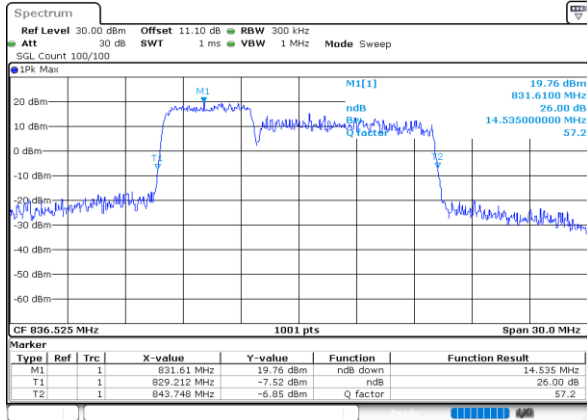
N/A



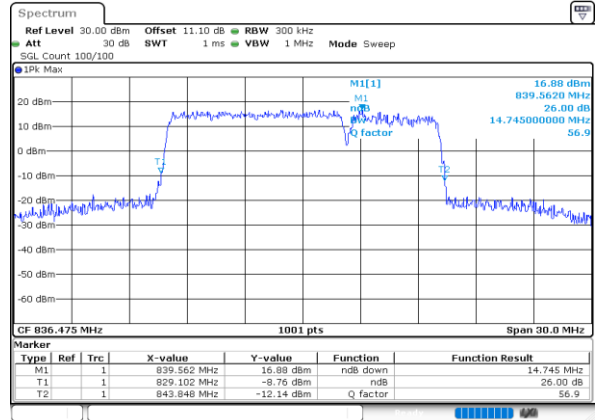
LTE Band 5B

16QAM

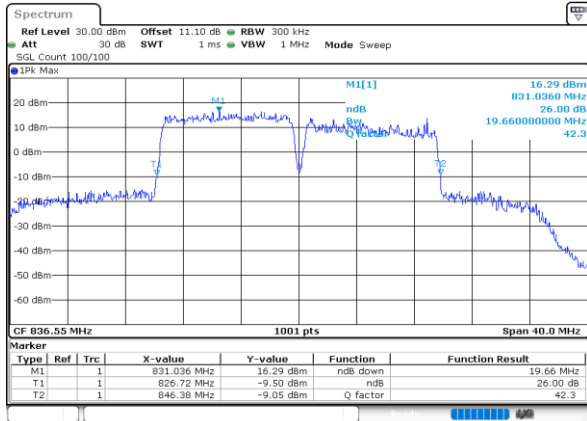
Middle Channel / 5MHz+10MHz



Middle Channel / 10MHz+5MHz



Middle Channel / 10MHz+10MHz



N/A