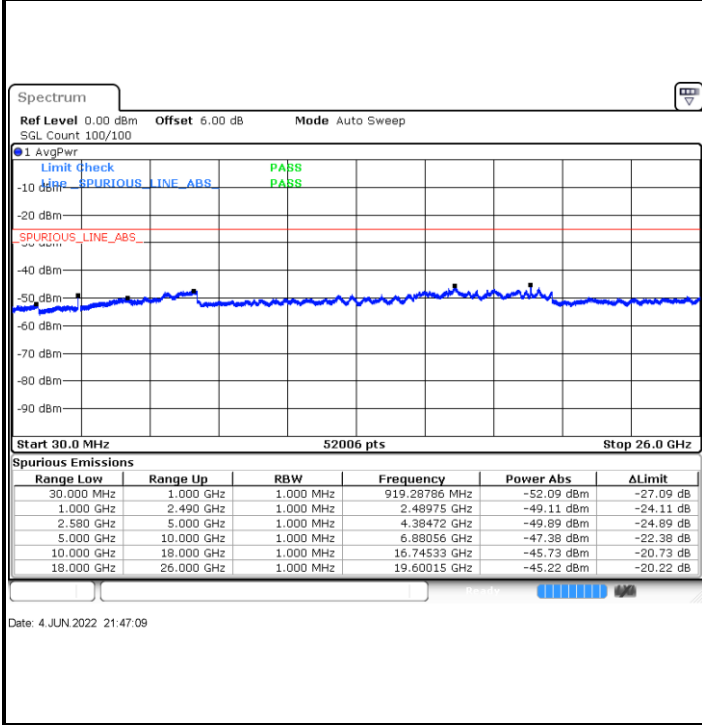


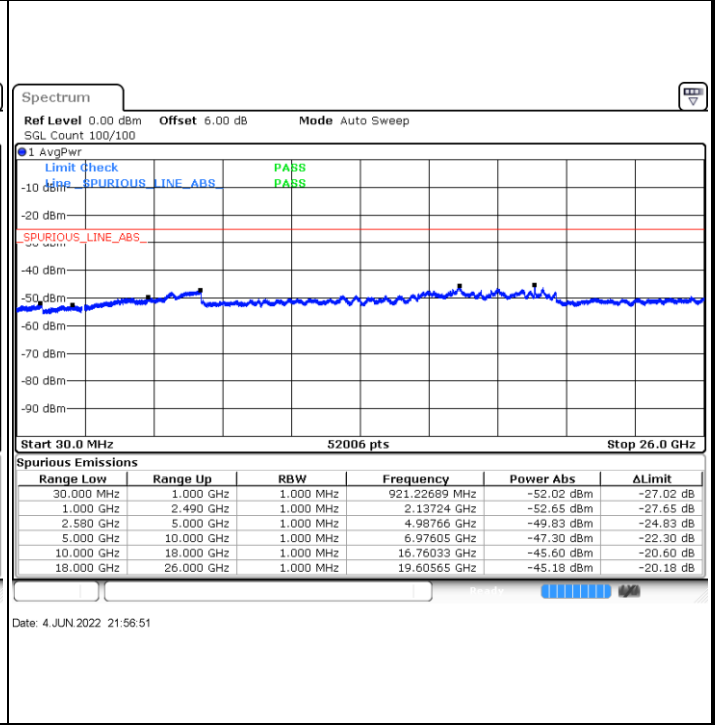


**LTE Band 7 / 15MHz**

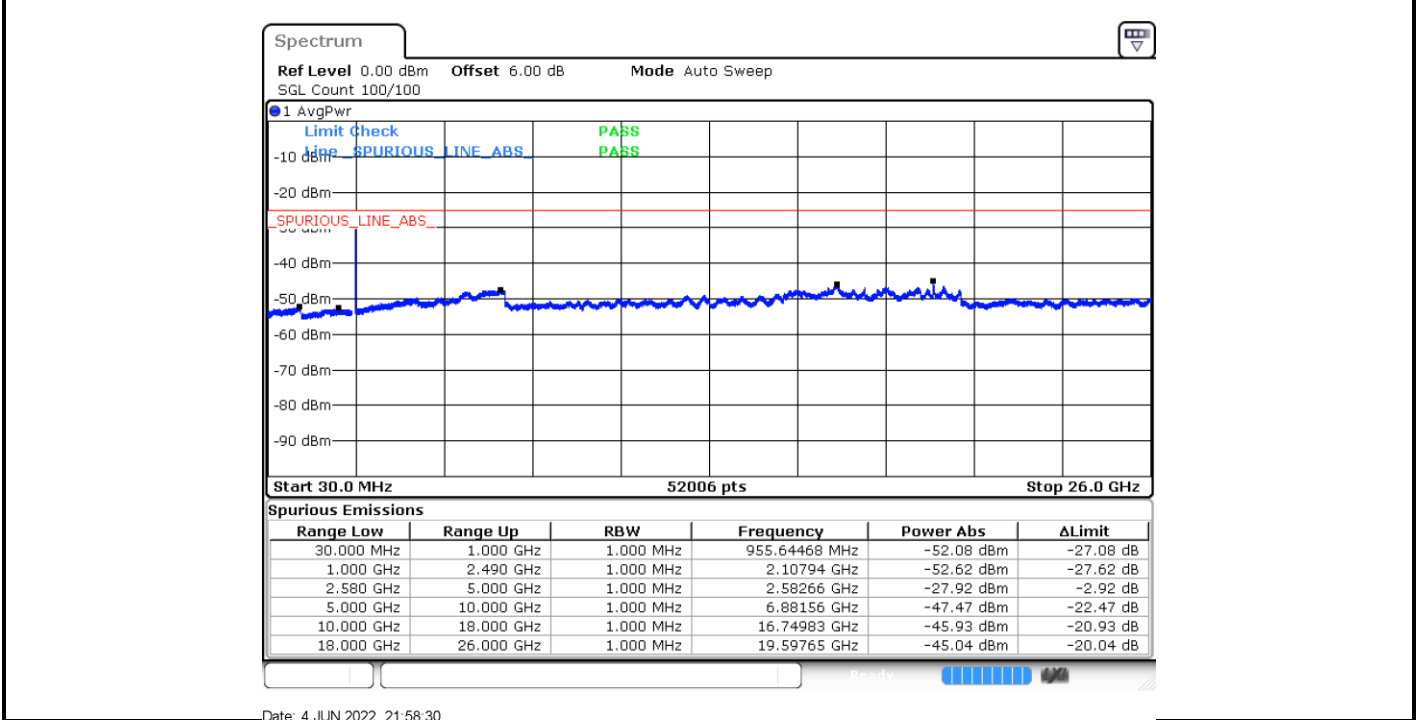
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

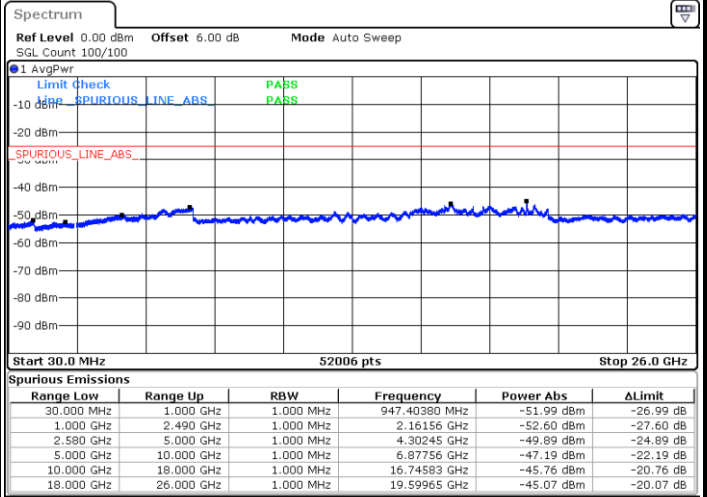
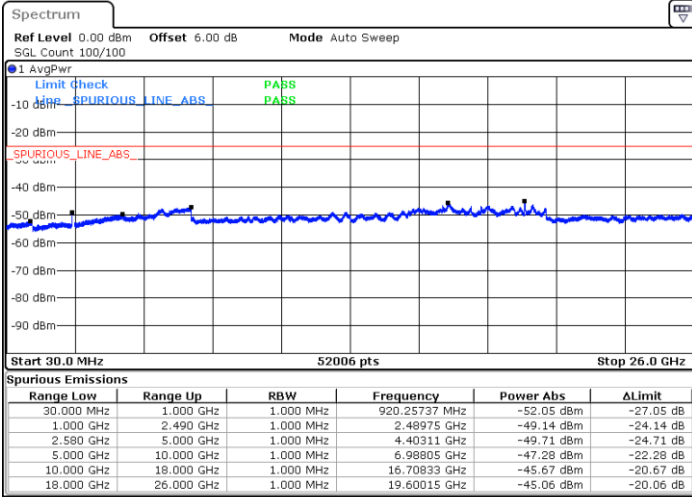




LTE Band 7 / 20MHz

Lowest Channel / QPSK

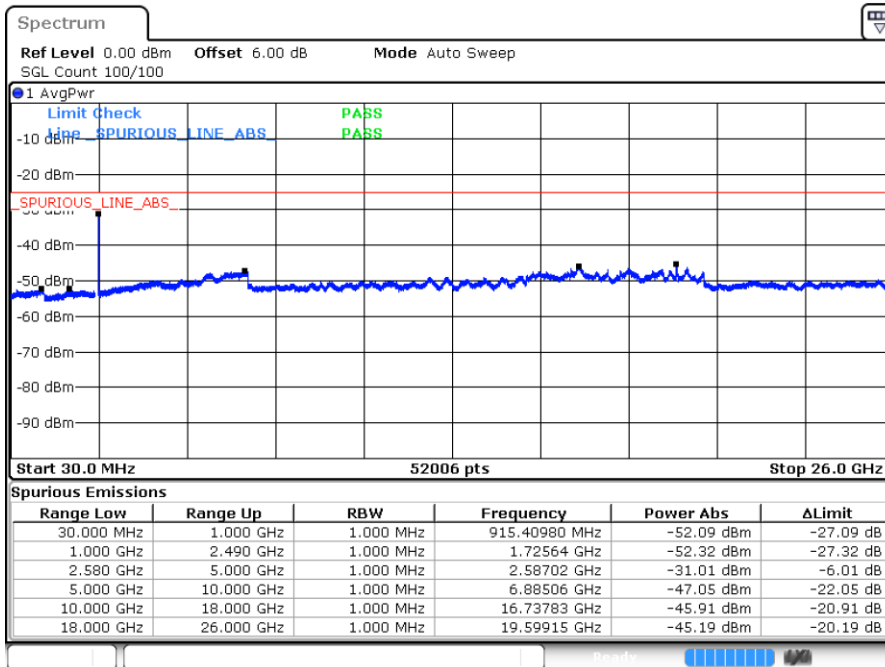
Middle Channel / QPSK



Date: 4 JUN 2022 22:08:12

Date: 4 JUN 2022 22:17:55

Highest Channel / QPSK



Date: 4 JUN 2022 22:19:34



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0100	PASS
40	Normal Voltage	0.0111	
30	Normal Voltage	0.0236	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0100	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0008	

Note:

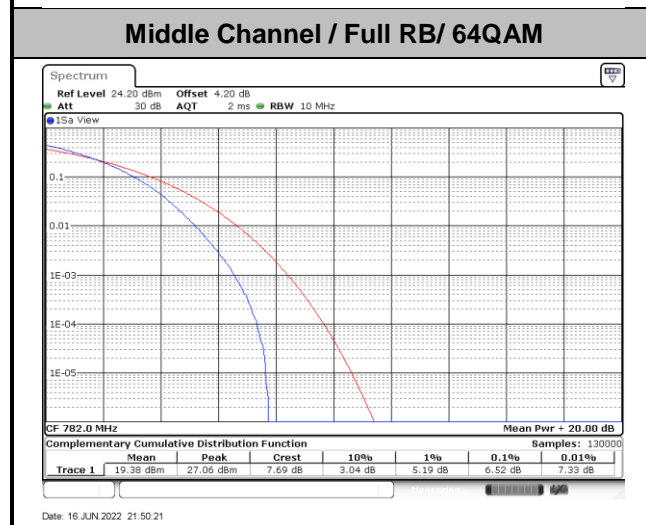
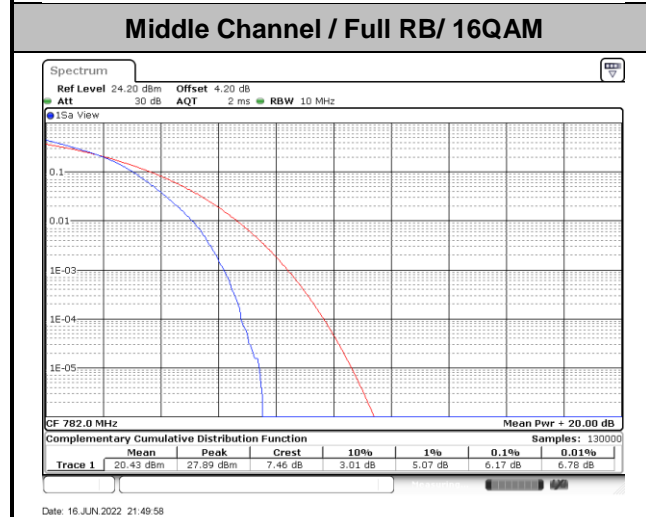
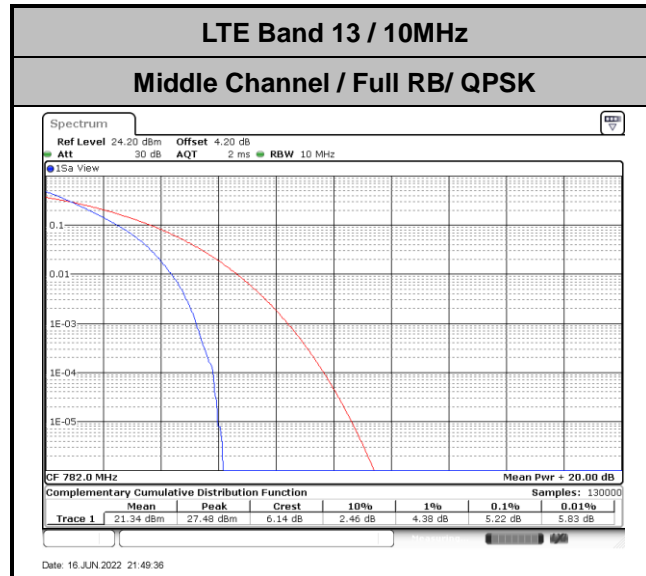
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 13

### Peak-to-Average Ratio

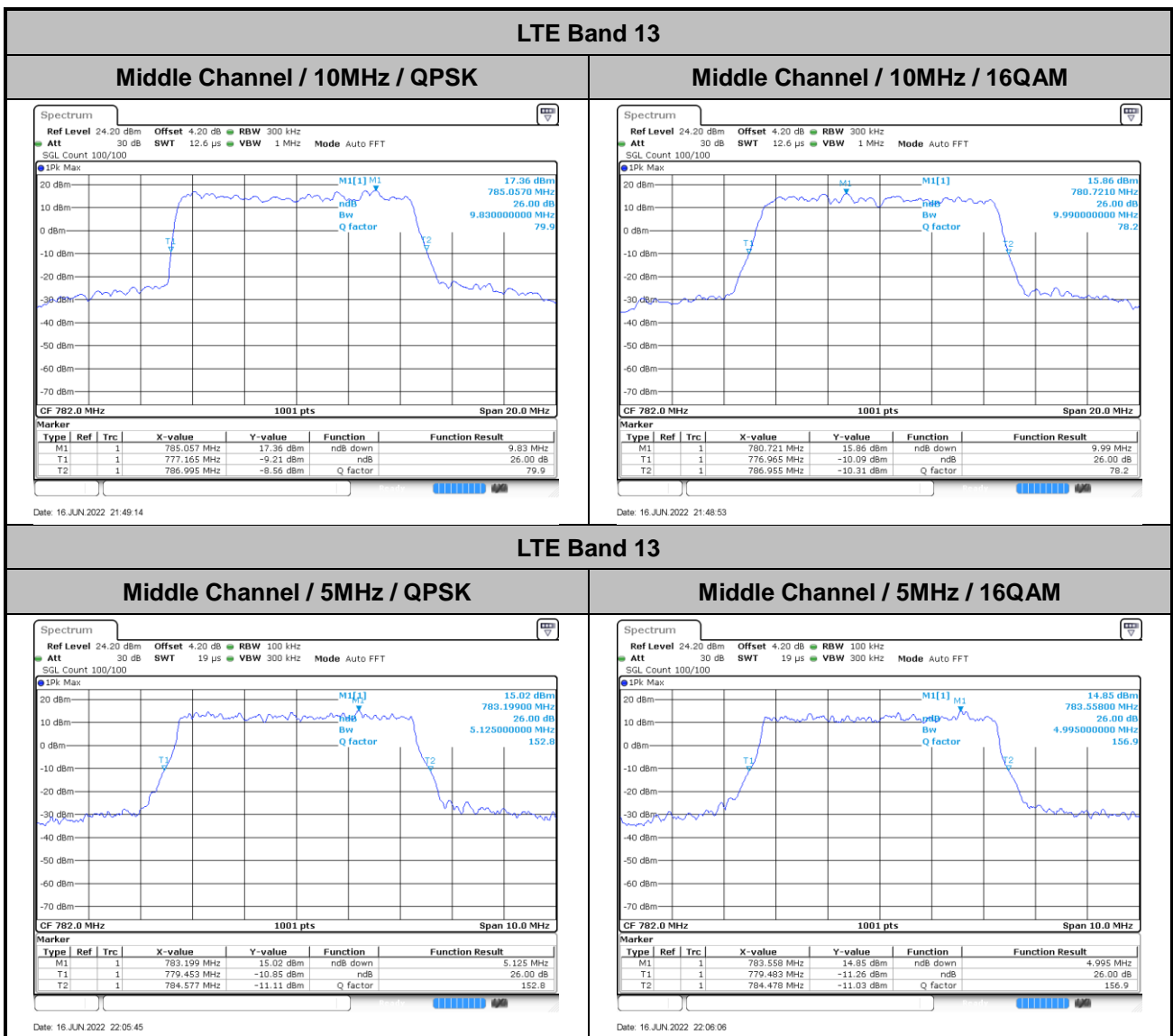
Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.22	6.17	6.52	<b>PASS</b>





**26dB Bandwidth**

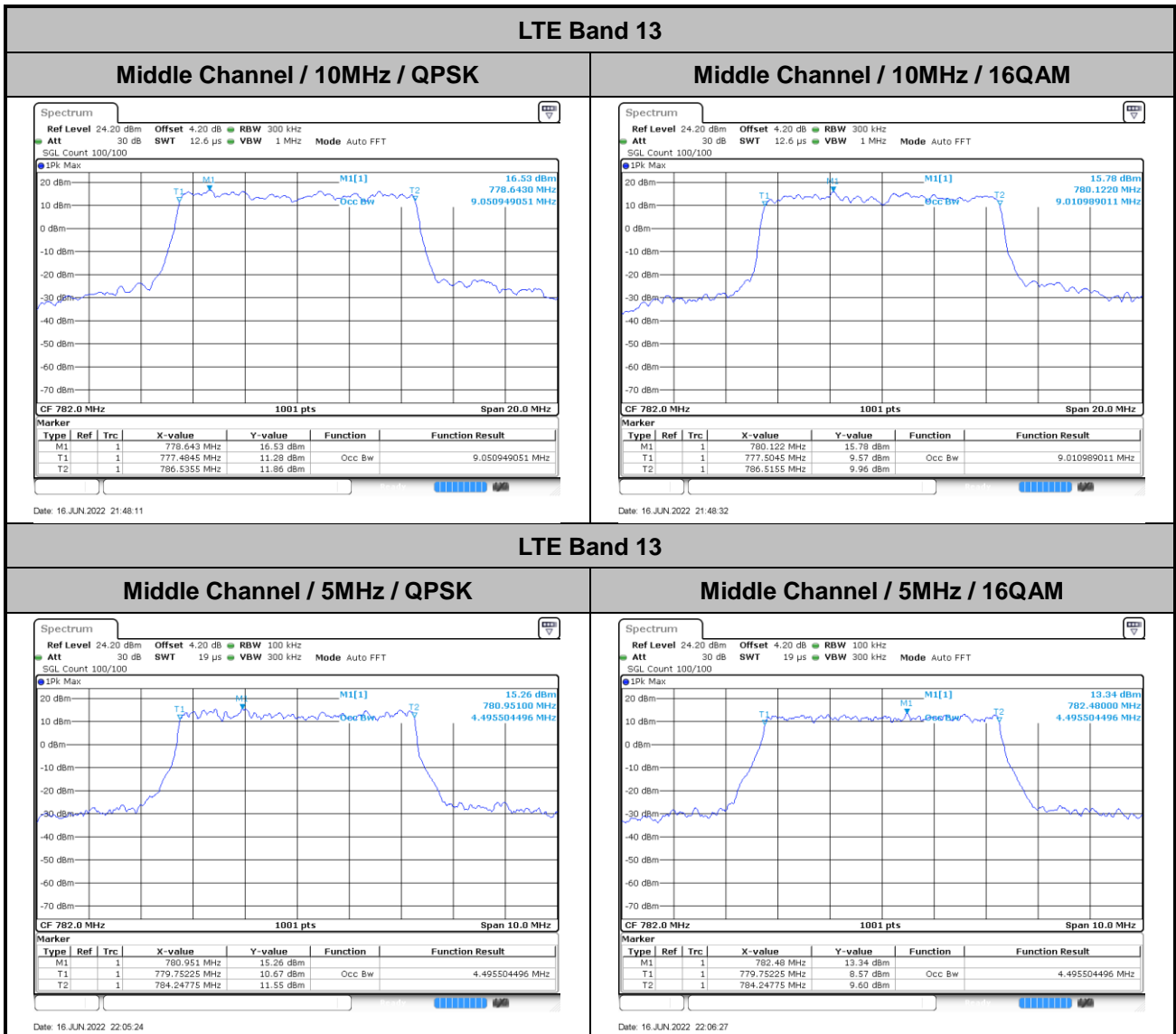
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.83	9.99
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	5.13	5.00





# Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.01
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.50

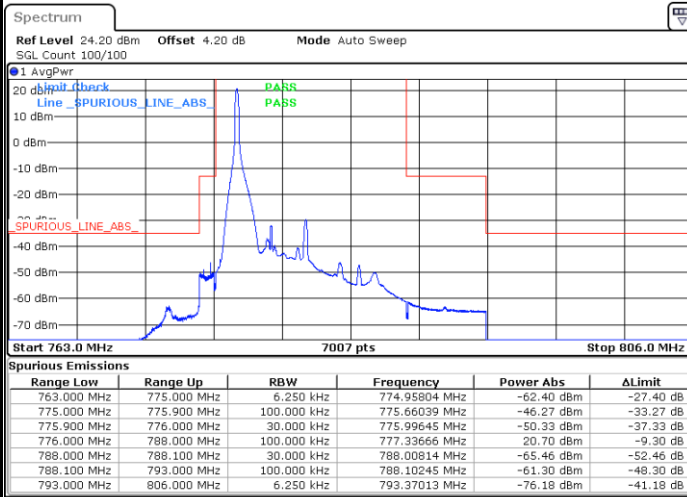




# Conducted Band Edge

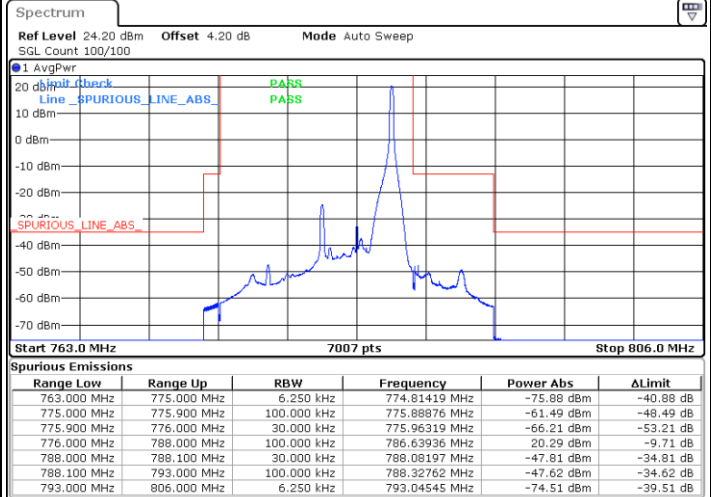
## LTE Band 13 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



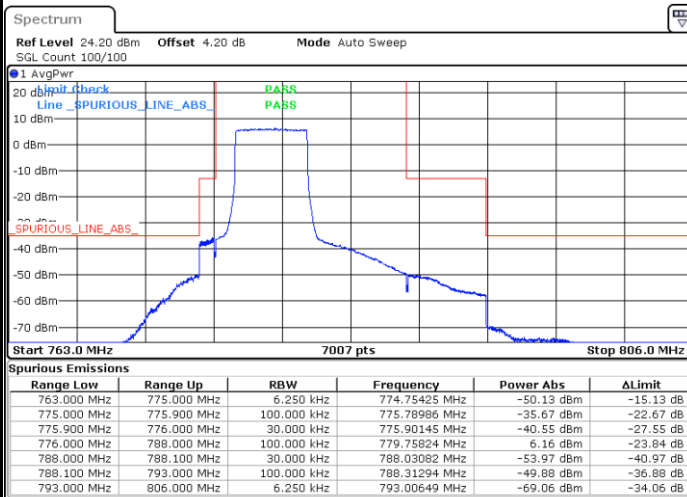
Date: 16 JUN 2022 21:07:16

### Highest Band Edge / 1 RB



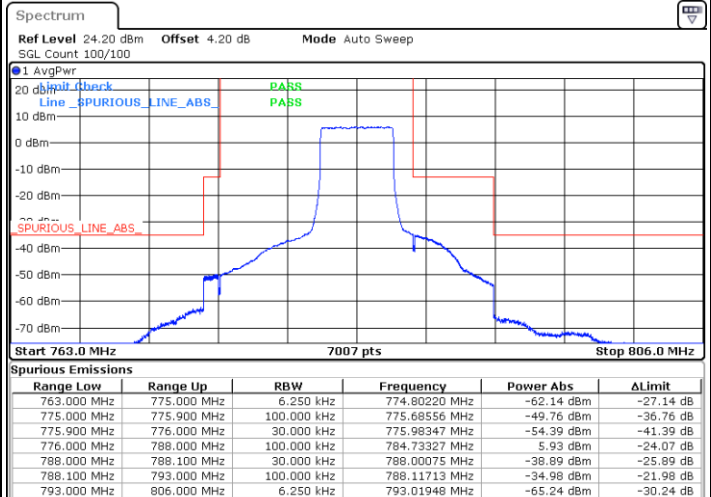
Date: 16 JUN 2022 21:20:56

### Lowest Band Edge / Full RB



Date: 16 JUN 2022 21:16:26

### Highest Band Edge / Full RB



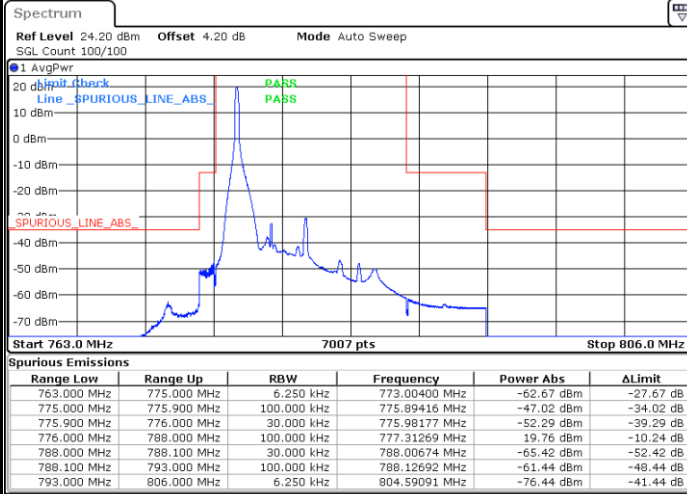
Date: 16 JUN 2022 21:30:06





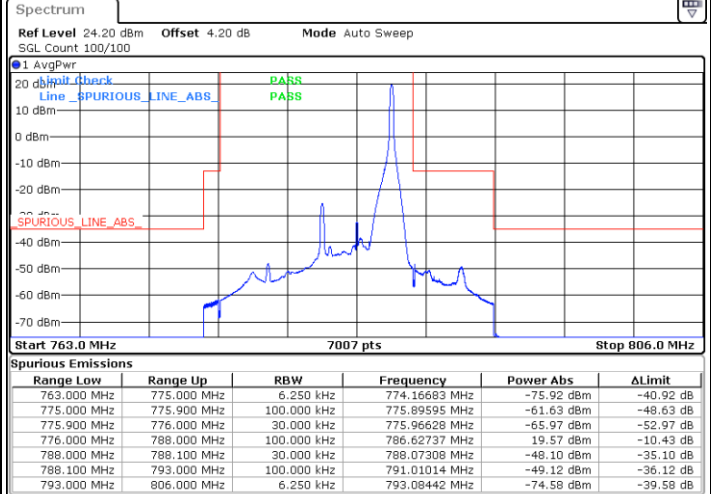
LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB



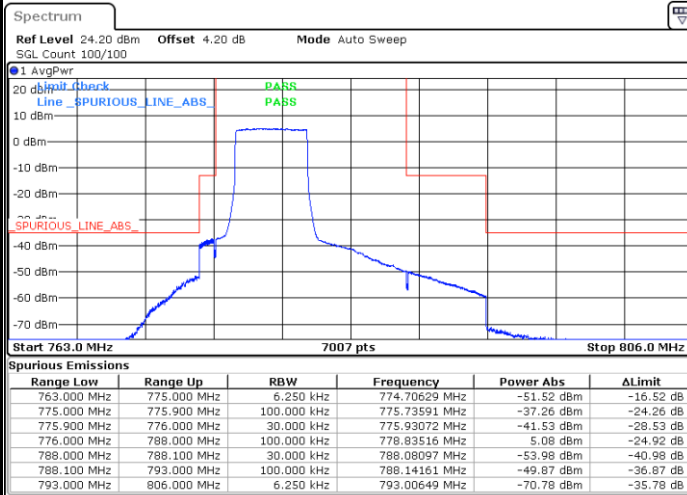
Date: 16 JUN 2022 21:09:06

Highest Band Edge / 1 RB



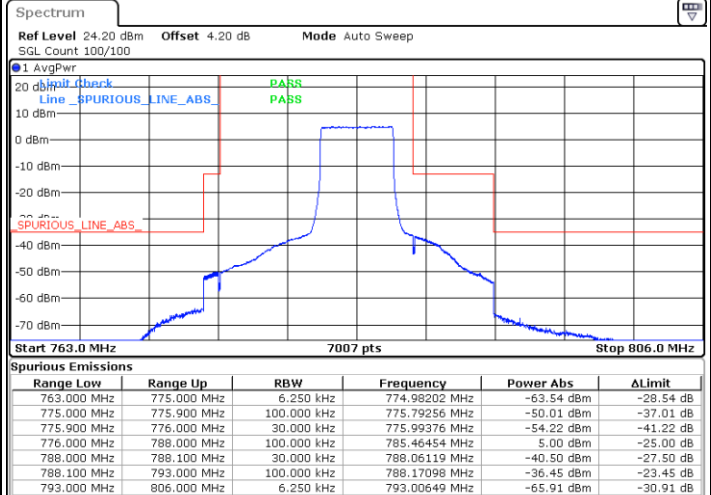
Date: 16 JUN 2022 21:22:45

Lowest Band Edge / Full RB



Date: 16 JUN 2022 21:14:36

Highest Band Edge / Full RB



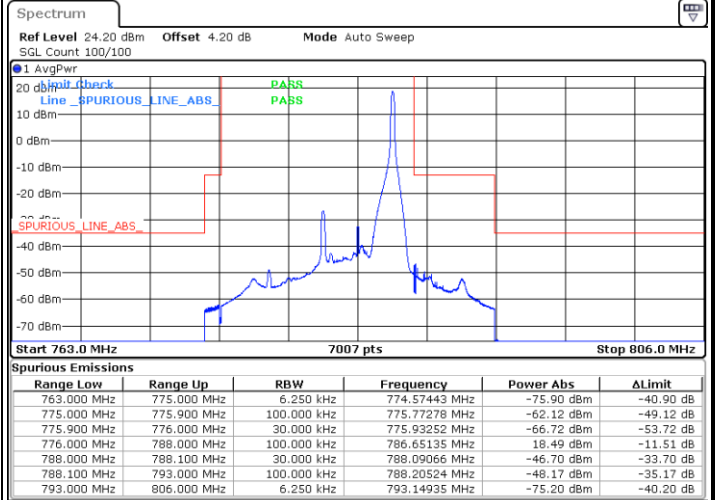
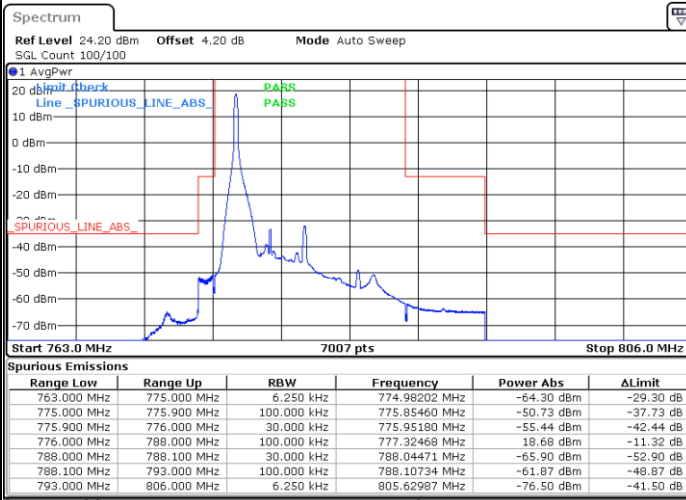
Date: 16 JUN 2022 21:28:15



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

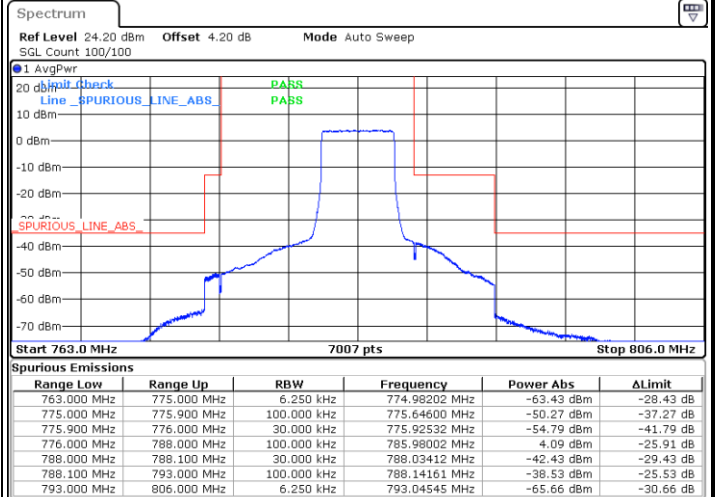
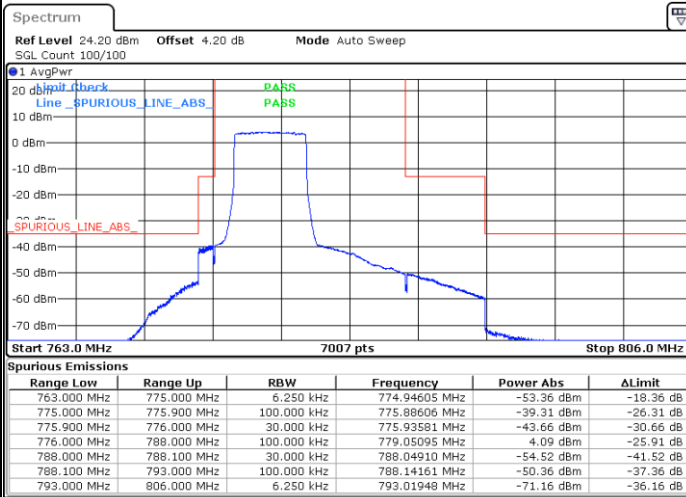


Date: 16 JUN 2022 21:10:56

Date: 16 JUN 2022 21:24:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



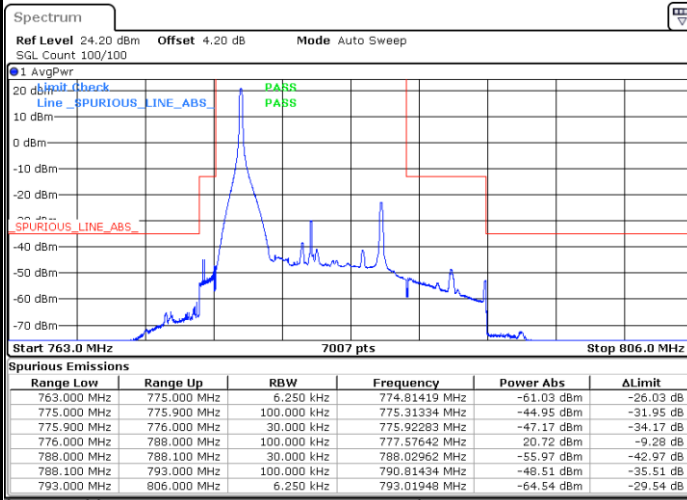
Date: 16 JUN 2022 21:12:46

Date: 16 JUN 2022 21:26:25



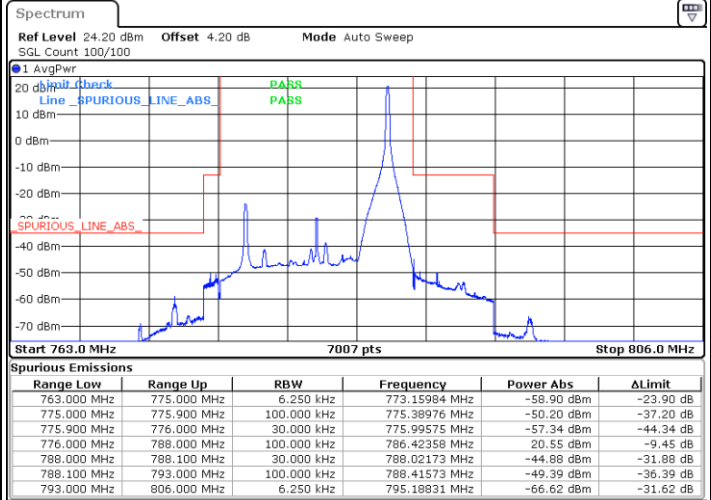
LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB



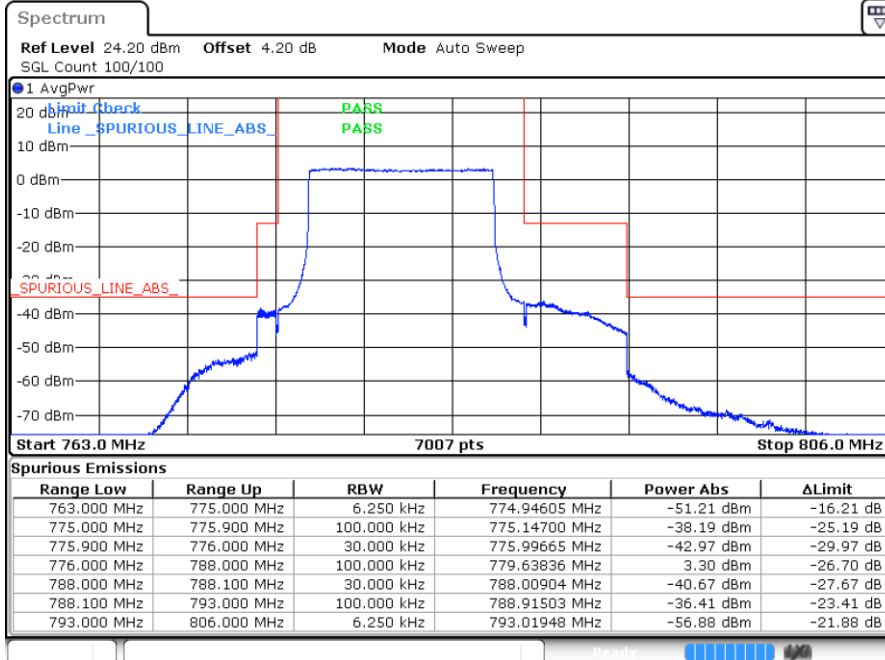
Date: 16 JUN 2022 21:33:15

middle Band Edge / 1 RB



Date: 16 JUN 2022 21:42:22

Middle Band Edge / Full RB

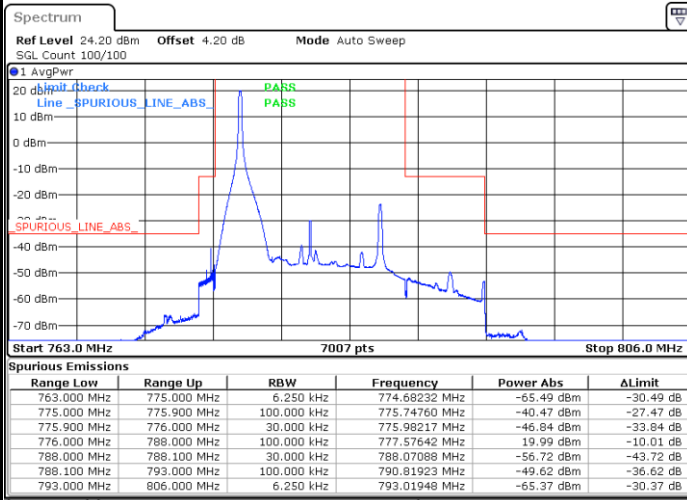


Date: 16 JUN 2022 21:44:12



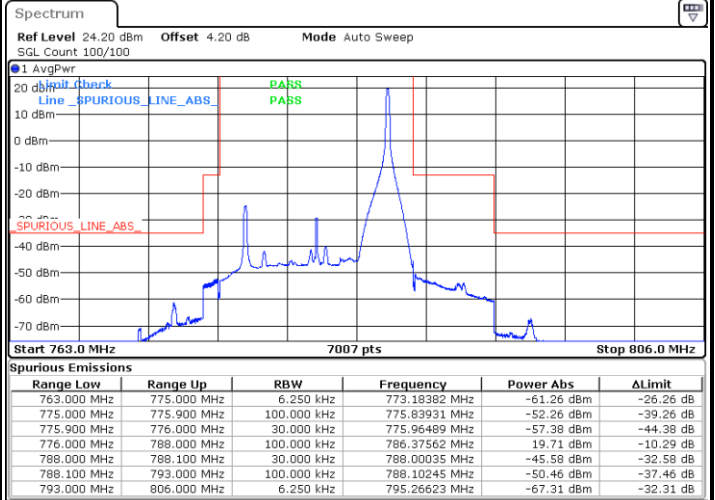
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



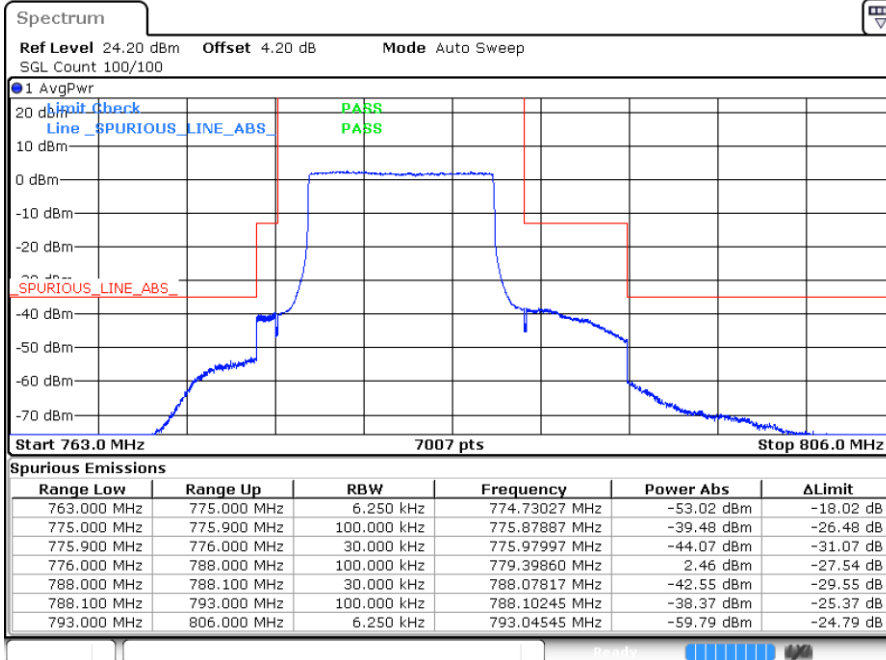
Date: 16 JUN 2022 21:35:05

middle Band Edge / 1 RB



Date: 16 JUN 2022 21:40:32

middle Band Edge / Full RB

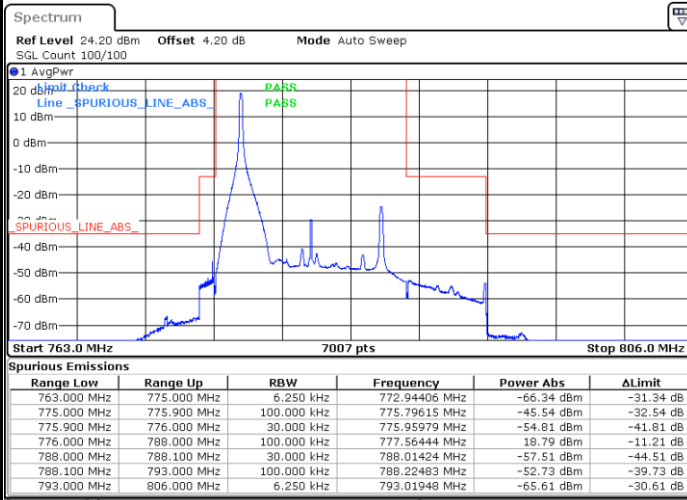


Date: 16 JUN 2022 21:46:01



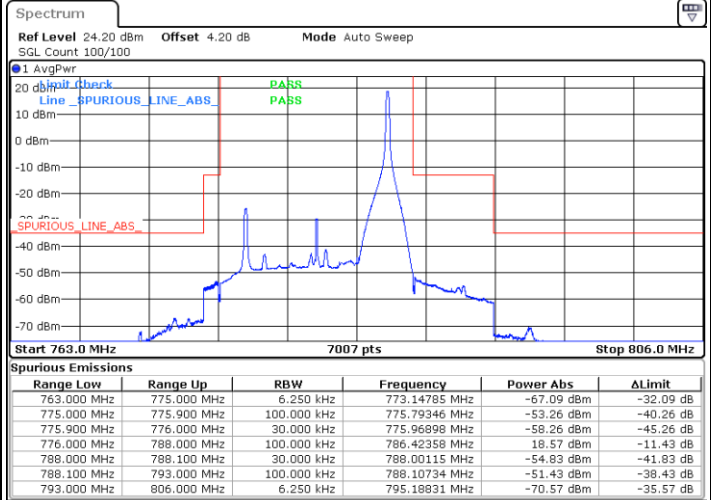
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB



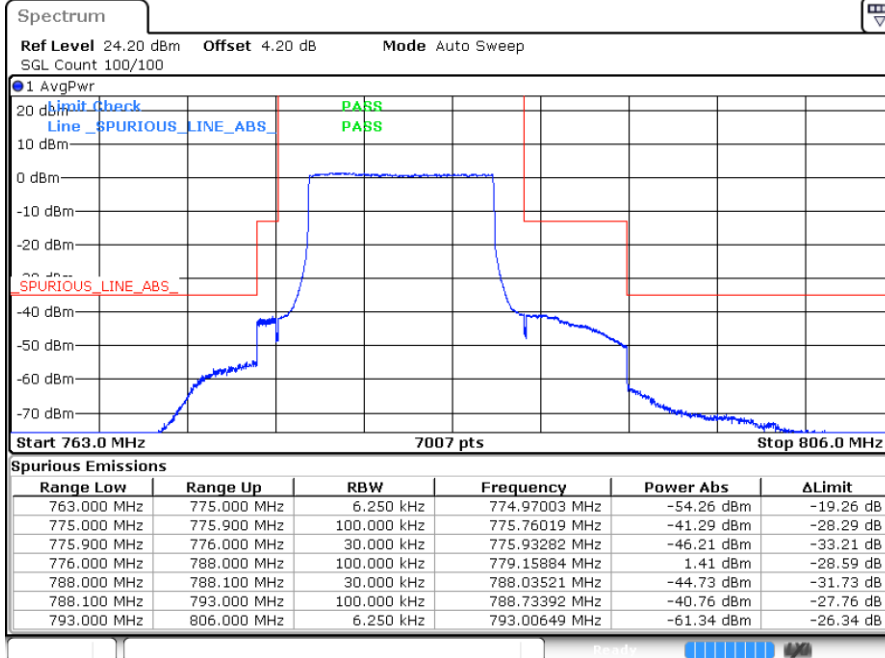
Date: 16 JUN 2022 21:36:54

middle Band Edge / 1 RB



Date: 16 JUN 2022 21:38:43

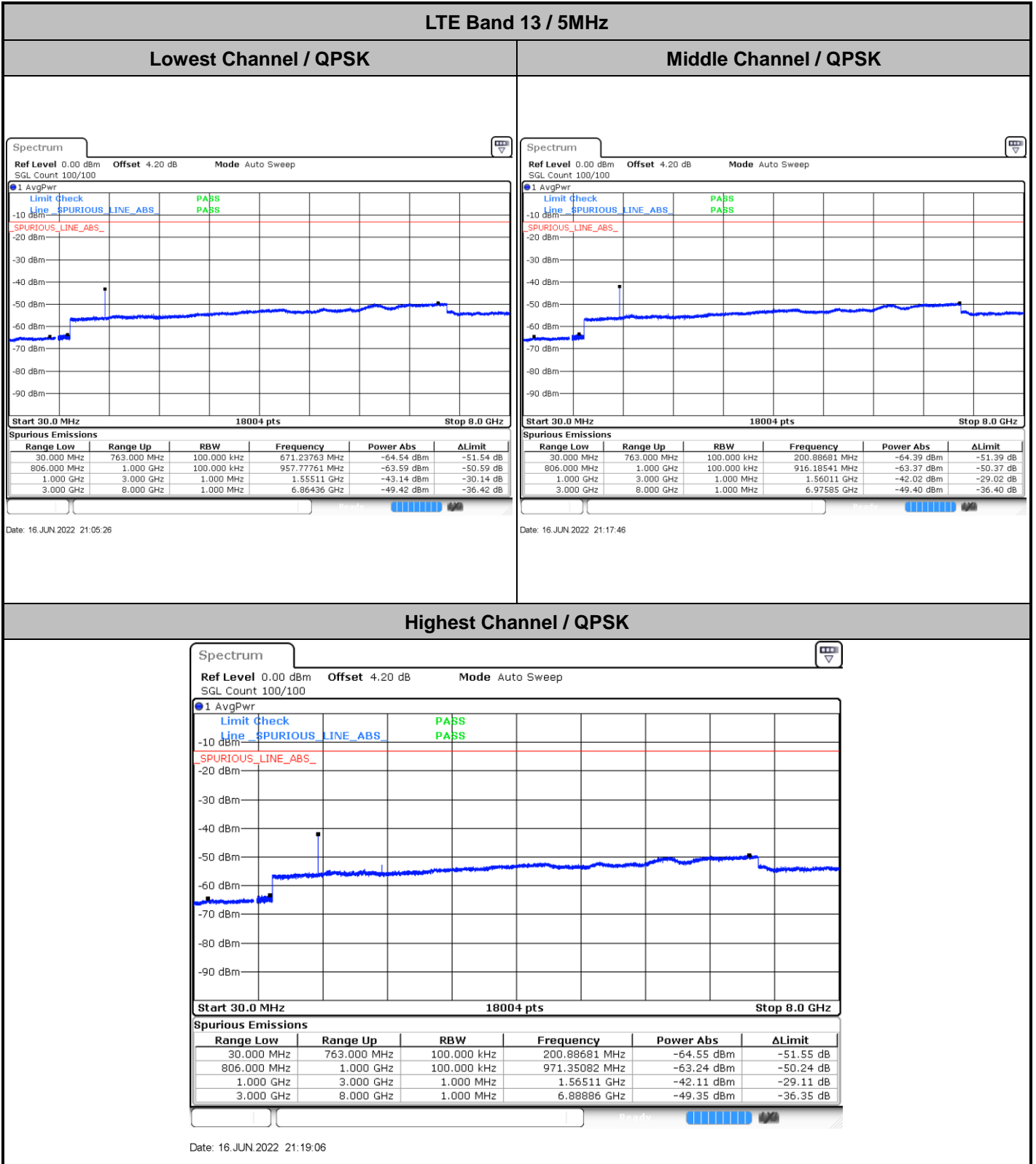
middle Band Edge / Full RB



Date: 16 JUN 2022 21:47:50



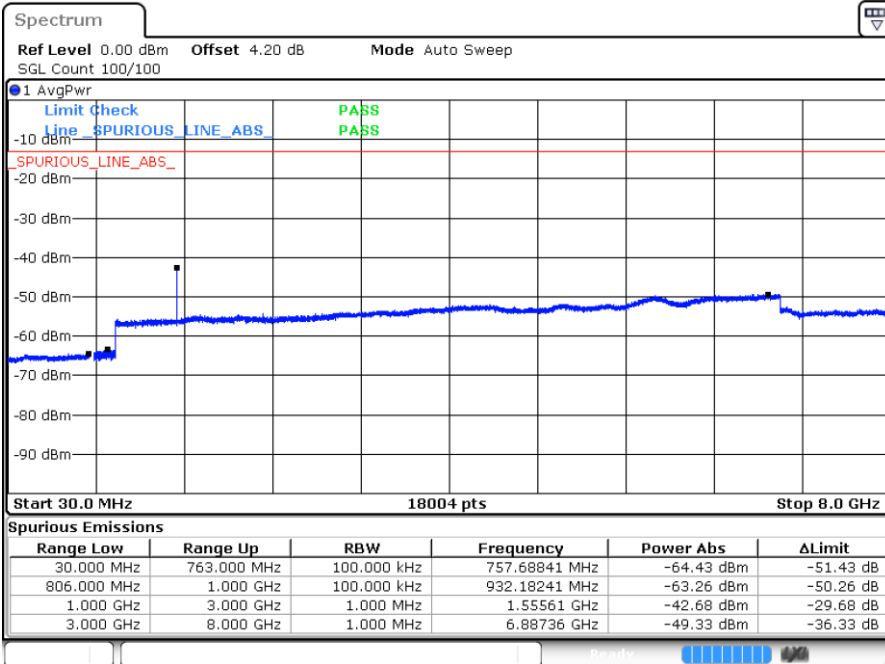
# Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 16 JUN 2022 21:31:26



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	0.0245	PASS
40	Normal Voltage	0.0036	
30	Normal Voltage	0.0252	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0211	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0053	
20	Maximum Voltage	0.0264	
20	Normal Voltage	0.0002	
20	Battery End Point	0.0026	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.45 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.





## LTE Band 26

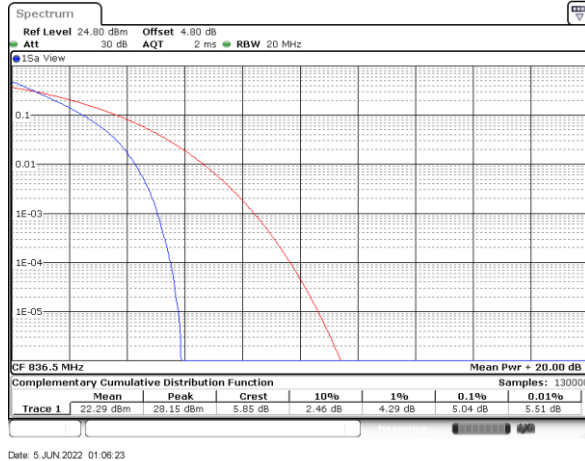
### Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.04	5.83	6.2	<b>PASS</b>



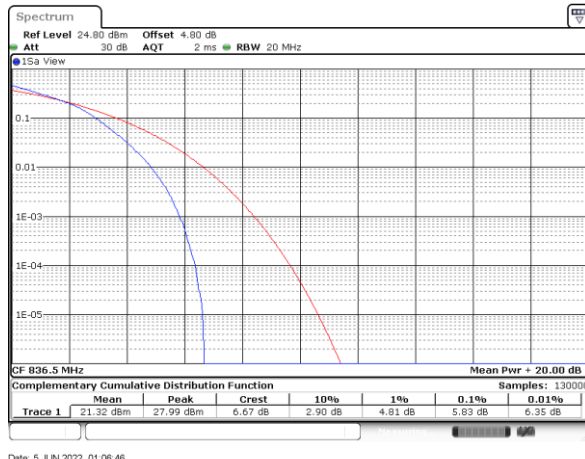
LTE Band 26 / 15MHz

Middle Channel / Full RB/ QPSK



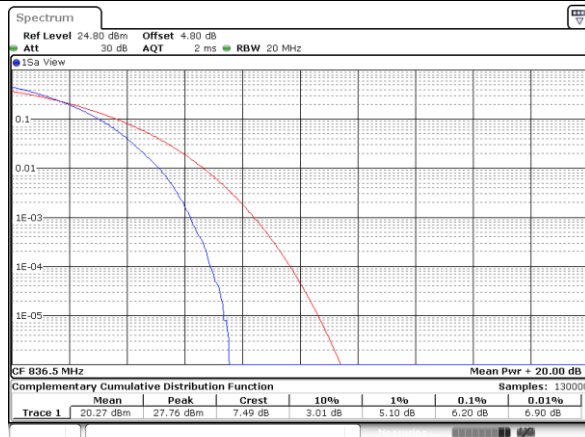
Date: 5 JUN 2022 01:06:23

Middle Channel / Full RB/ 16QAM



Date: 5 JUN 2022 01:06:46

Middle Channel / Full RB/ 64QAM



Date: 5 JUN 2022 01:07:09



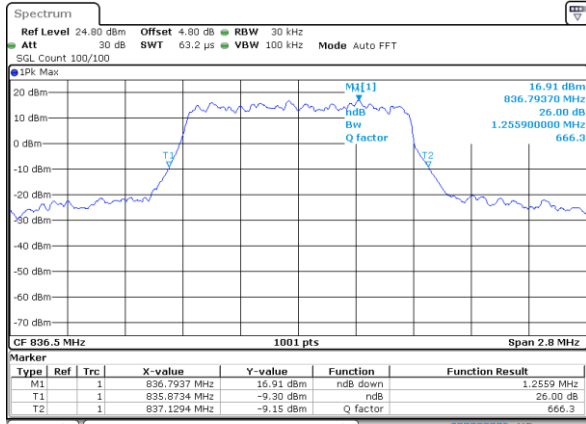
**26dB Bandwidth**

Mode	LTE Band 26 : 26dB BW(MHz)	
<b>BW</b>	<b>1.4MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	1.26	1.26
<b>BW</b>	<b>3MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	2.95	2.96
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.92	4.84
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.69	9.65
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	14.39	14.21



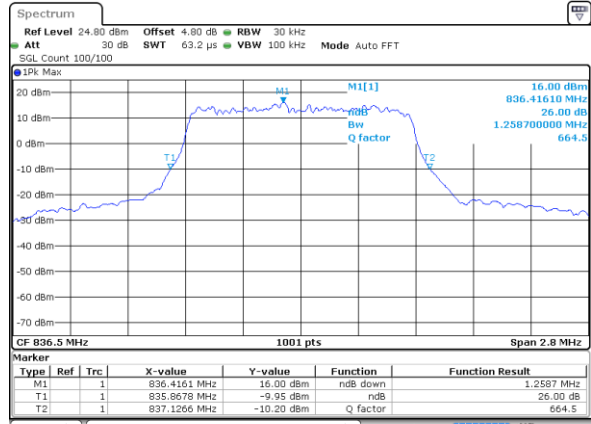
LTE Band 26

Middle Channel / 1.4MHz / QPSK



Date: 5 JUN 2022 01:22:16

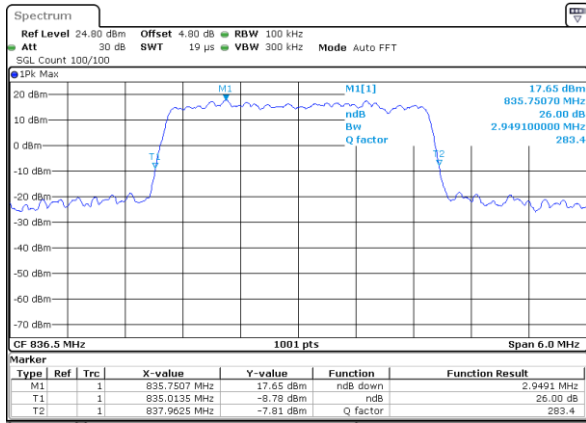
Middle Channel / 1.4MHz / 16QAM



Date: 5 JUN 2022 01:22:37

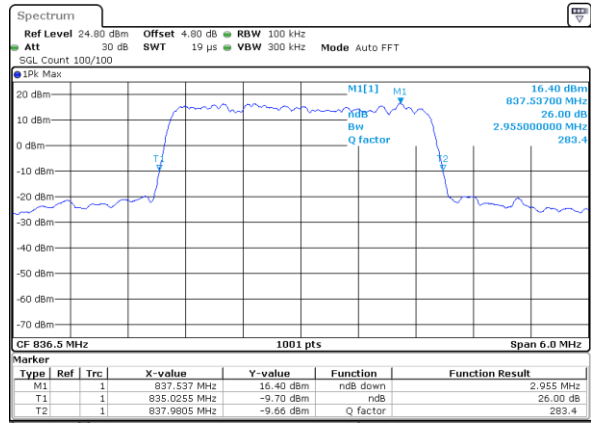
LTE Band 26

Middle Channel / 3MHz / QPSK



Date: 5 JUN 2022 01:21:53

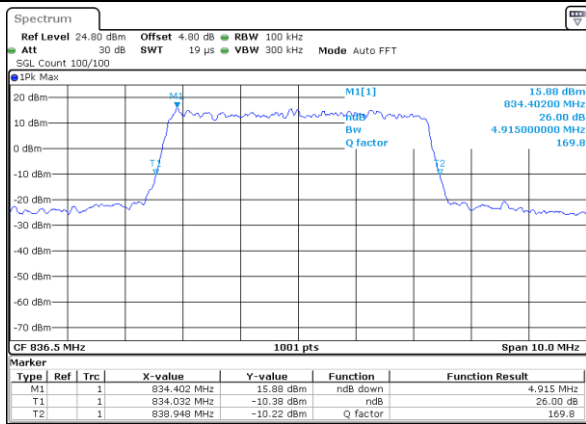
Middle Channel / 3MHz / 16QAM



Date: 5 JUN 2022 01:21:31

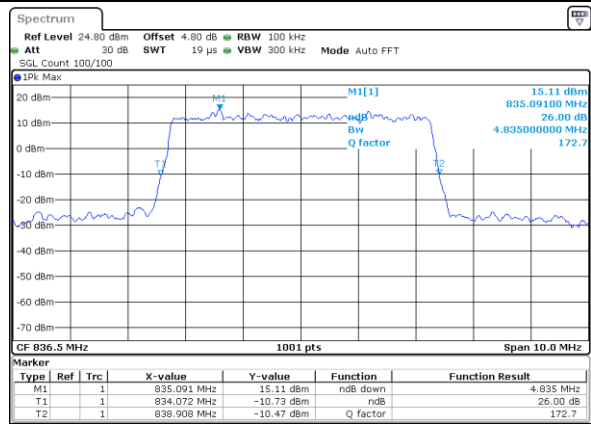
LTE Band 26

Middle Channel / 5MHz / QPSK



Date: 5 JUN 2022 01:19:22

Middle Channel / 5MHz / 16QAM

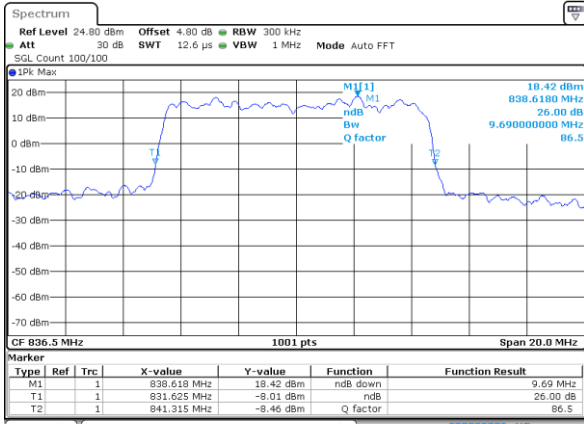


Date: 5 JUN 2022 01:19:43



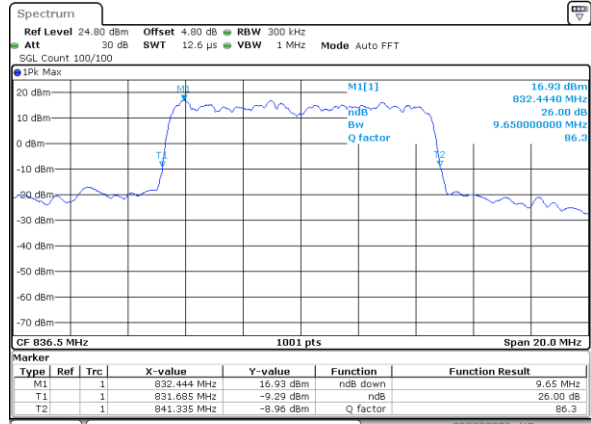
LTE Band 26

Middle Channel / 10MHz / QPSK



Date: 5 JUN 2022 01:18:59

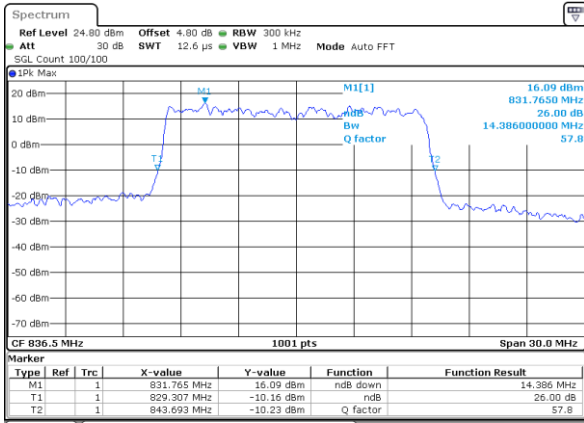
Middle Channel / 10MHz / 16QAM



Date: 5 JUN 2022 01:18:38

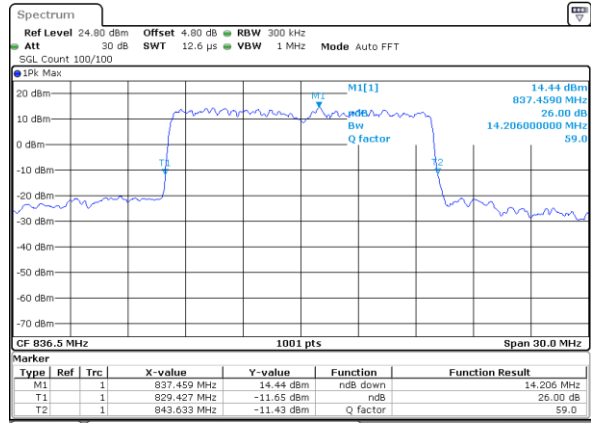
LTE Band 26

Middle Channel / 15MHz / QPSK



Date: 5 JUN 2022 01:05:39

Middle Channel / 15MHz / 16QAM



Date: 5 JUN 2022 01:06:00



### Occupied Bandwidth

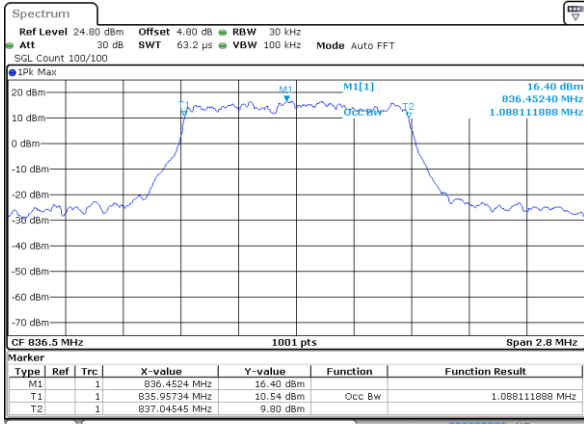
Mode	LTE Band 26 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.72
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.47
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.01
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.37	13.46

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	CH26765	
Mod.	QPSK	16QAM
Low CH	13.46	13.49



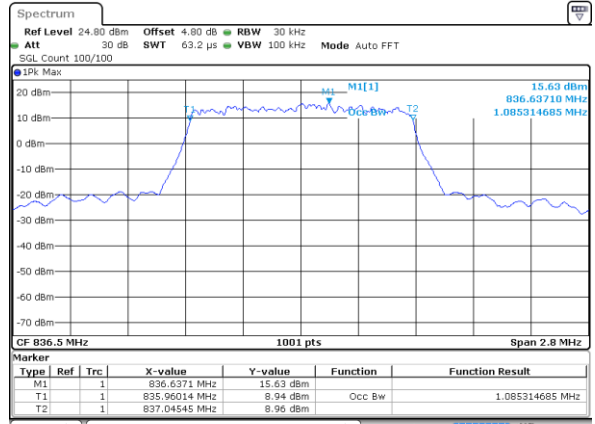
LTE Band 26

Middle Channel / 1.4MHz / QPSK



Date: 5 JUN 2022 01:23:20

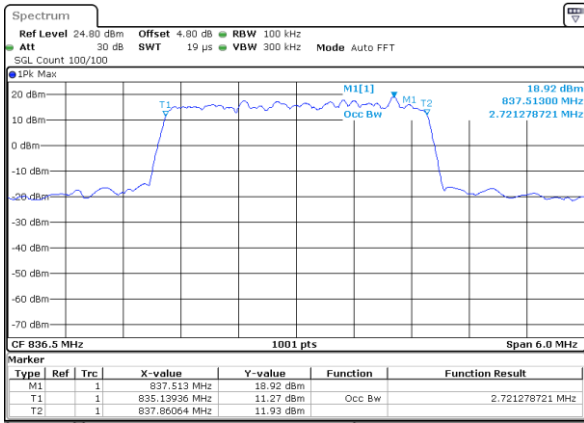
Middle Channel / 1.4MHz / 16QAM



Date: 5 JUN 2022 01:22:58

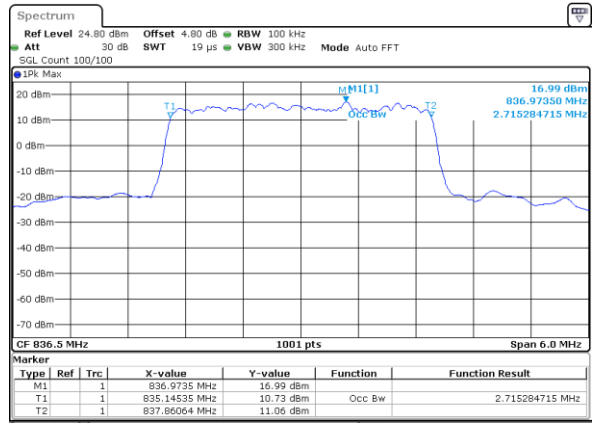
LTE Band 26

Middle Channel / 3MHz / QPSK



Date: 5 JUN 2022 01:20:48

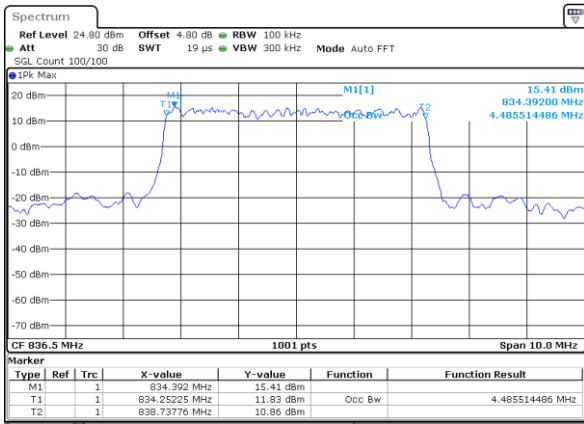
Middle Channel / 3MHz / 16QAM



Date: 5 JUN 2022 01:21:10

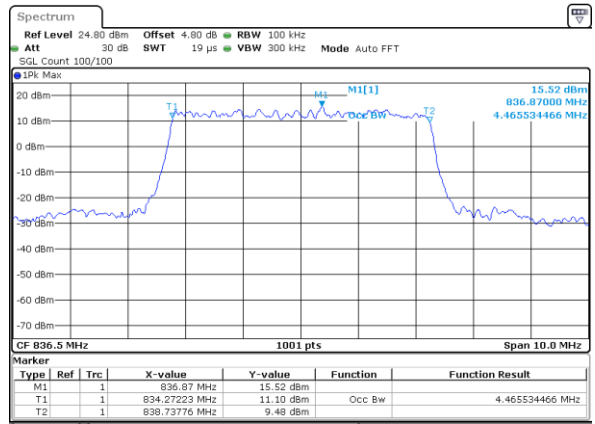
LTE Band 26

Middle Channel / 5MHz / QPSK



Date: 5 JUN 2022 01:20:26

Middle Channel / 5MHz / 16QAM

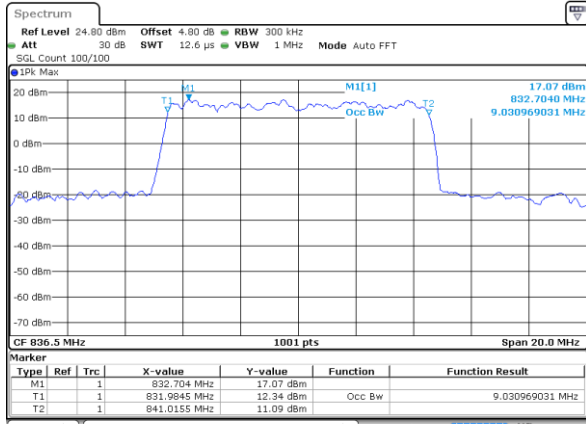


Date: 5 JUN 2022 01:20:04



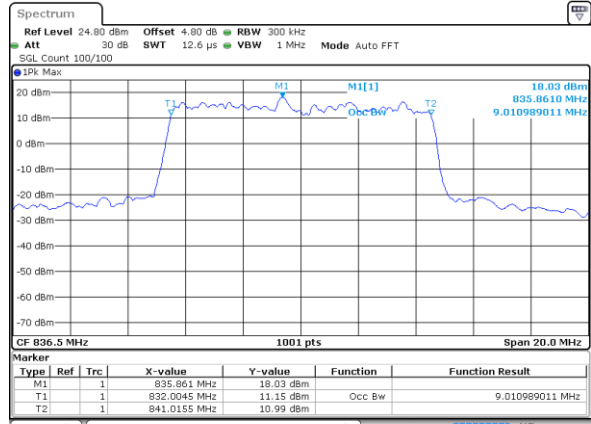
LTE Band 26

Middle Channel / 10MHz / QPSK



Date: 5 JUN 2022 01:17:55

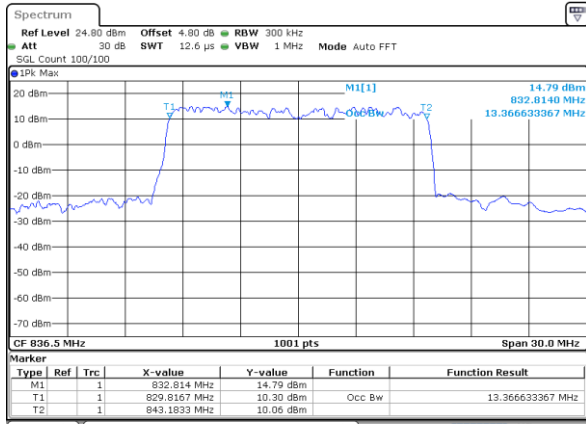
Middle Channel / 10MHz / 16QAM



Date: 5 JUN 2022 01:18:16

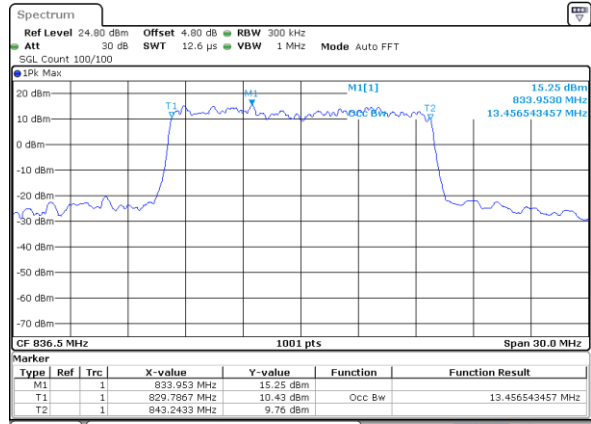
LTE Band 26

Middle Channel / 15MHz / QPSK



Date: 5 JUN 2022 01:04:56

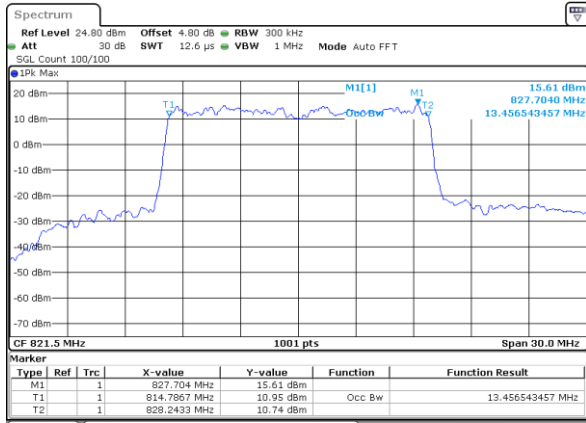
Middle Channel / 15MHz / 16QAM



Date: 5 JUN 2022 01:05:18

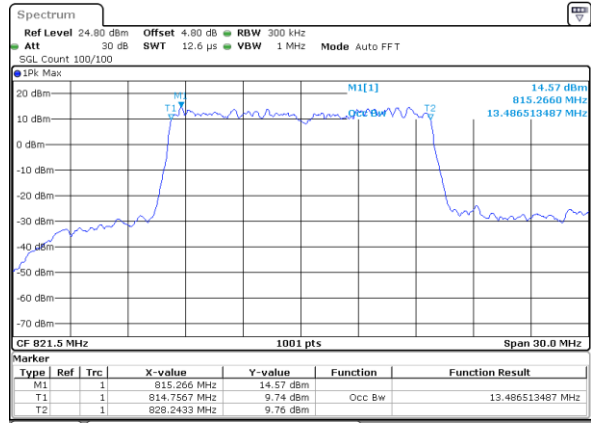
LTE Band 26

Middle Channel / CH26765 / QPSK



Date: 5 JUN 2022 16:47:56

Middle Channel / CH26765 / 16QAM

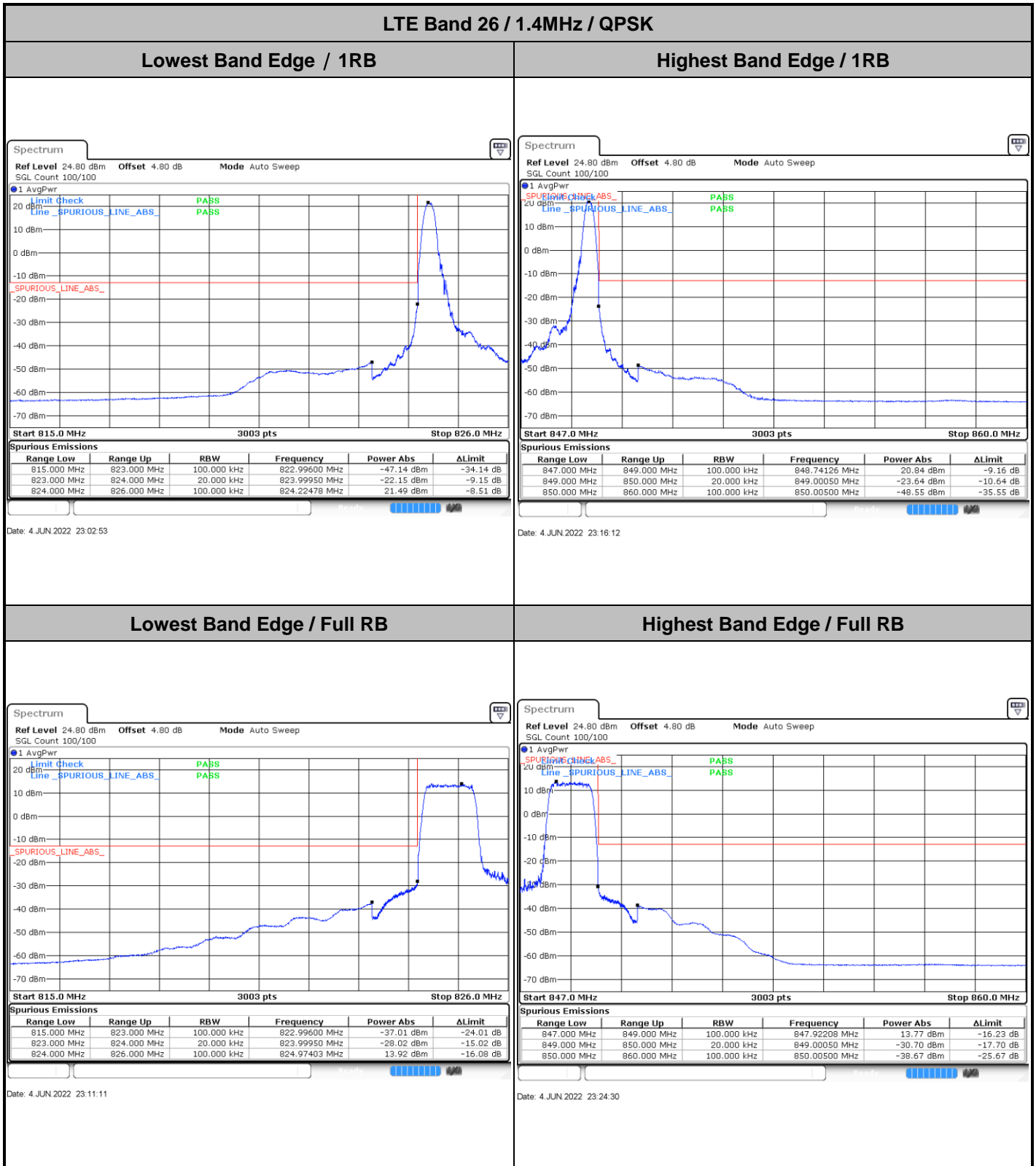


Date: 5 JUN 2022 16:47:34





# Conducted Band Edge





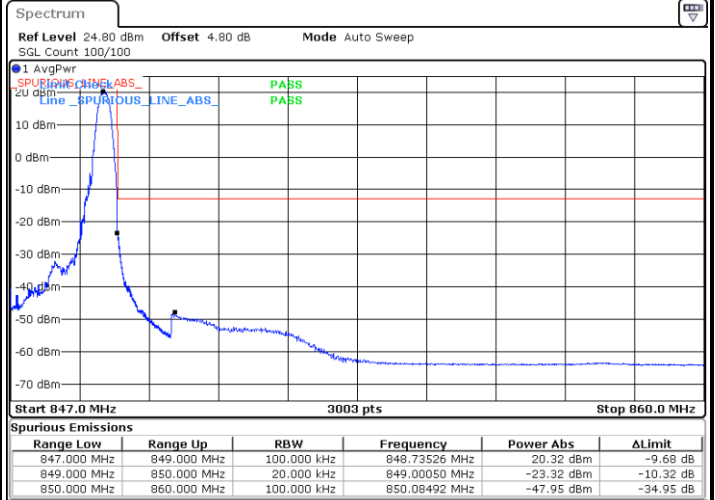
LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



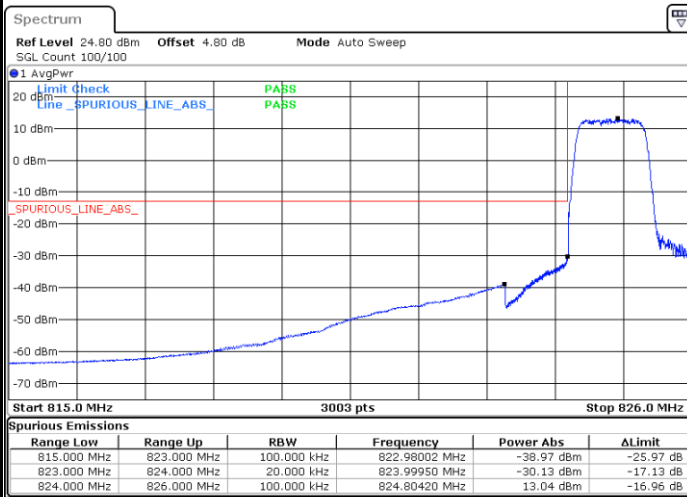
Date: 4 JUN 2022 23:04:33

Highest Band Edge / 1 RB



Date: 4 JUN 2022 23:17:51

Lowest Band Edge / Full RB



Date: 4 JUN 2022 23:09:32

Highest Band Edge / Full RB

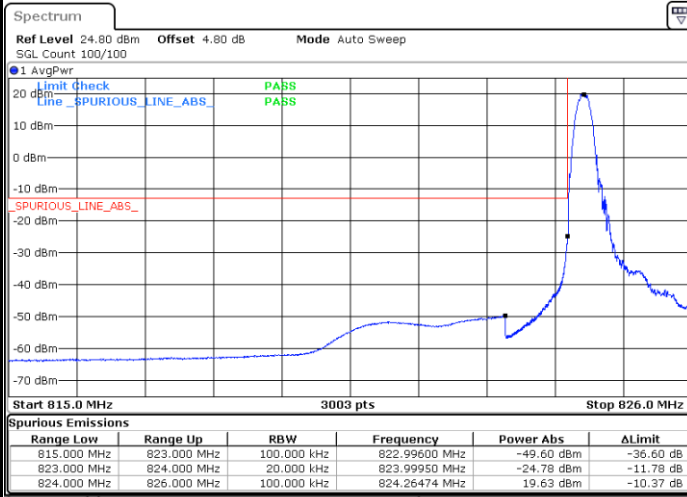


Date: 4 JUN 2022 23:22:50



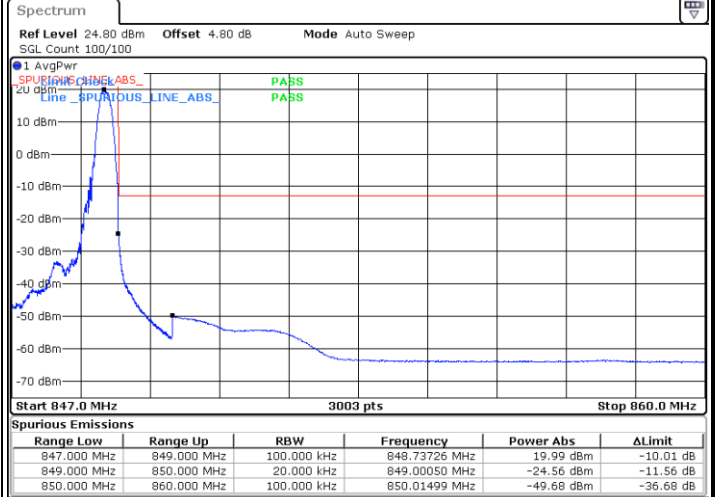
LTE Band 26 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



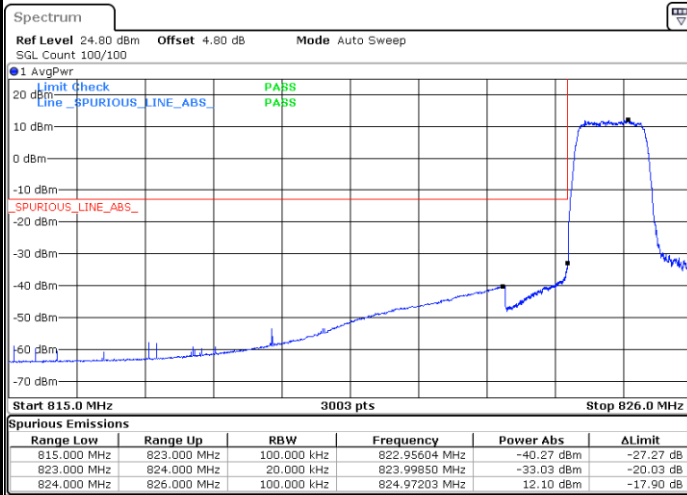
Date: 4 JUN 2022 23:06:12

Highest Band Edge / 1 RB



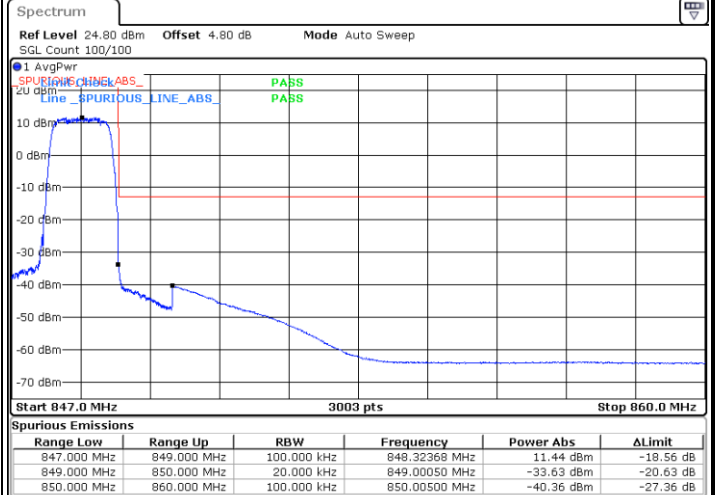
Date: 4 JUN 2022 23:19:31

Lowest Band Edge / Full RB



Date: 4 JUN 2022 23:07:52

Highest Band Edge / Full RB

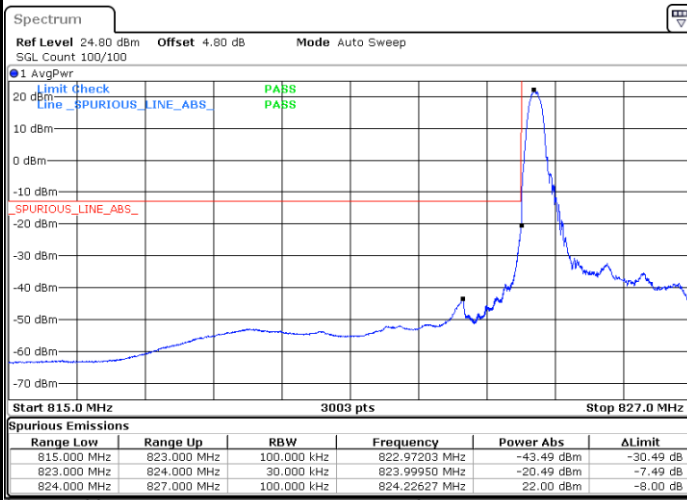


Date: 4 JUN 2022 23:21:11



LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / 1RB



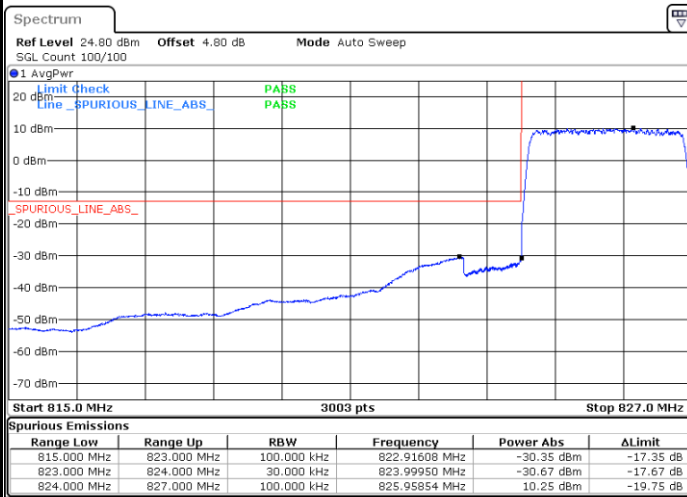
Date: 4 JUN 2022 23:27:51

Highest Band Edge / 1 RB



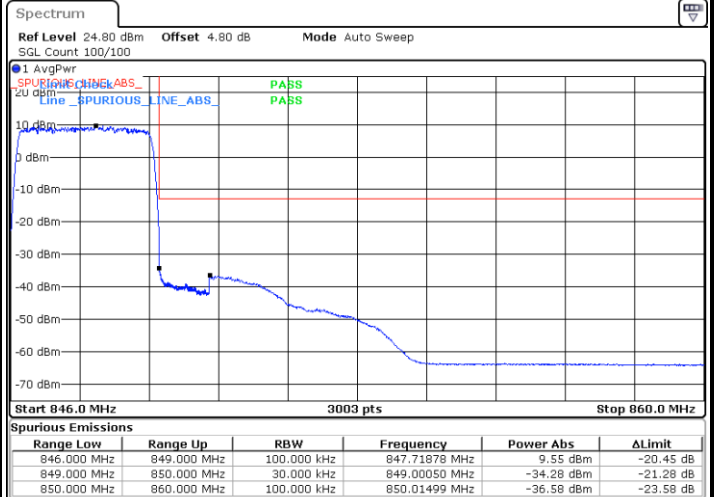
Date: 4 JUN 2022 23:41:10

Lowest Band Edge / Full RB



Date: 4 JUN 2022 23:38:10

Highest Band Edge / Full RB

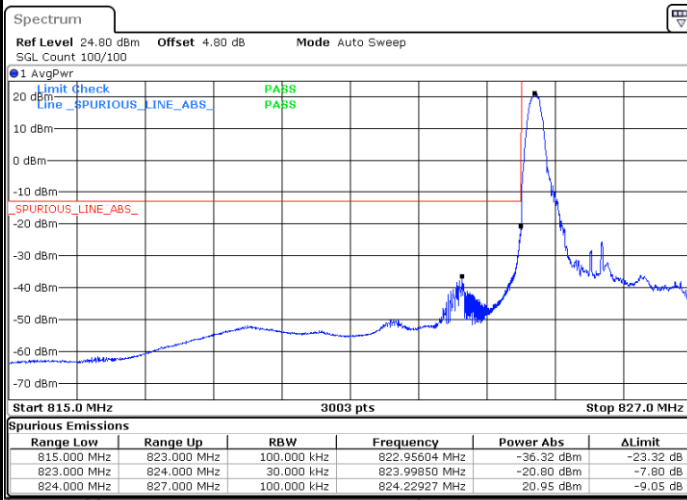


Date: 4 JUN 2022 23:49:29



LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



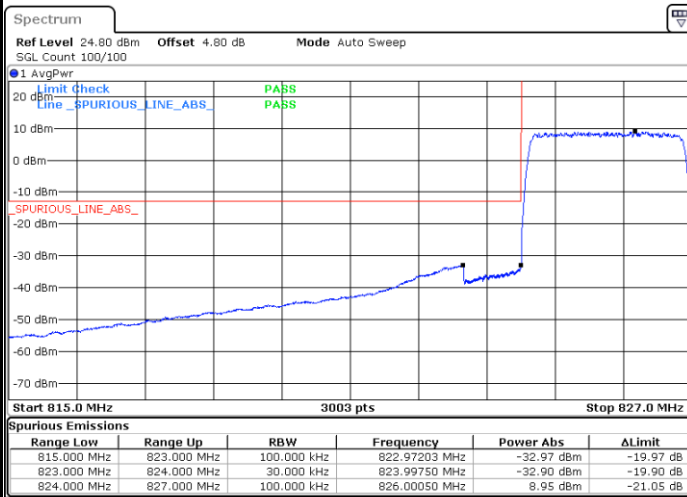
Date: 4 JUN 2022 23:29:31

Highest Band Edge / 1 RB



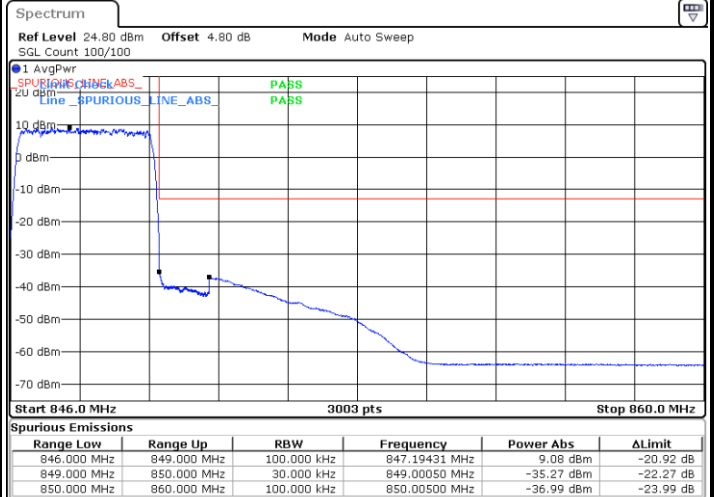
Date: 4 JUN 2022 23:42:50

Lowest Band Edge / Full RB



Date: 4 JUN 2022 23:34:30

Highest Band Edge / Full RB

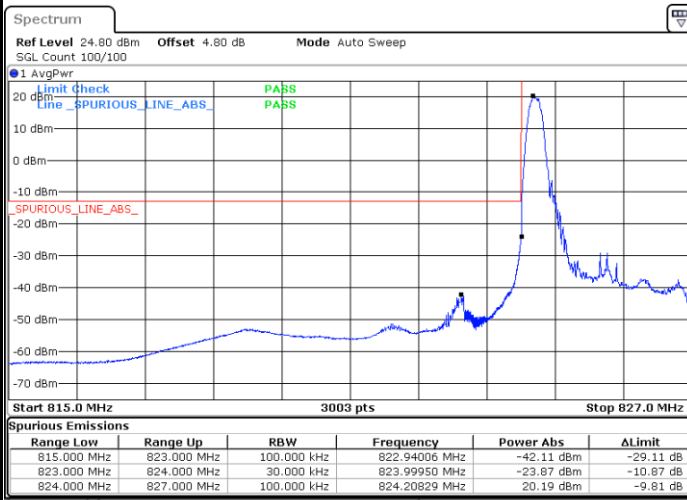


Date: 4 JUN 2022 23:47:49



LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



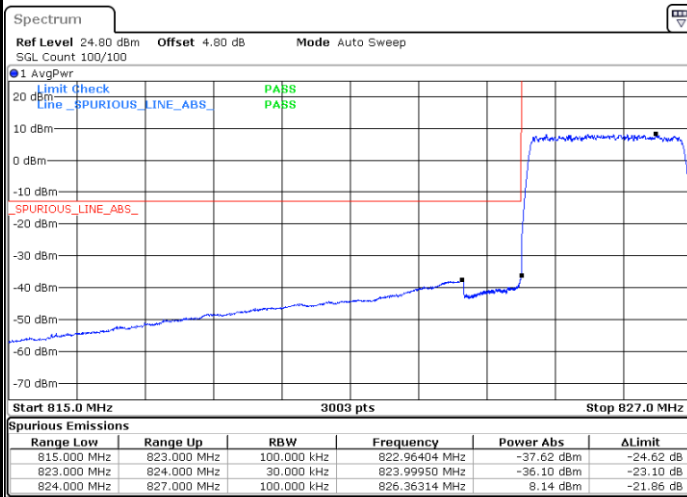
Date: 4 JUN 2022 23:31:11

Highest Band Edge / 1 RB



Date: 4 JUN 2022 23:44:30

Lowest Band Edge / Full RB



Date: 4 JUN 2022 23:32:50

Highest Band Edge / Full RB



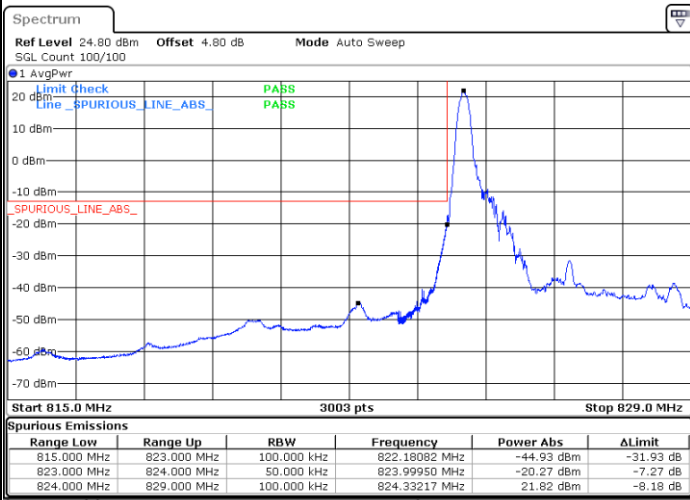
Date: 4 JUN 2022 23:46:10



LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



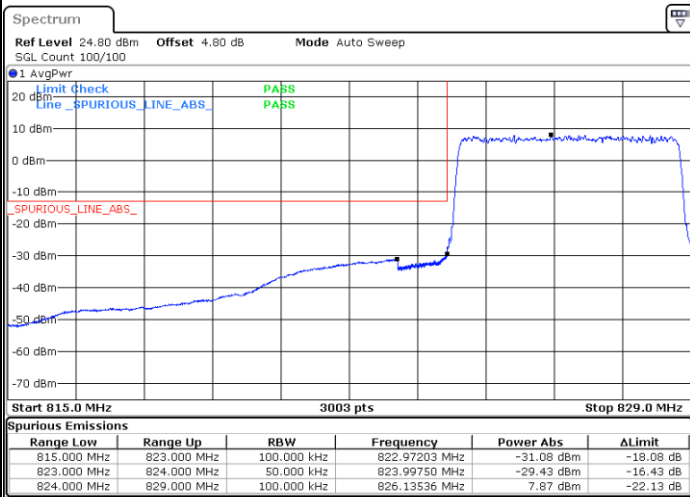
Date: 4 JUN 2022 23:52:51



Date: 5 JUN 2022 00:06:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5 JUN 2022 00:01:09

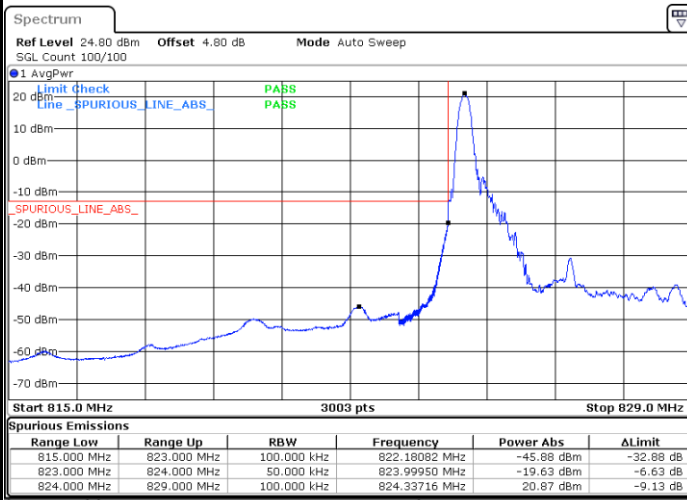


Date: 5 JUN 2022 00:14:28



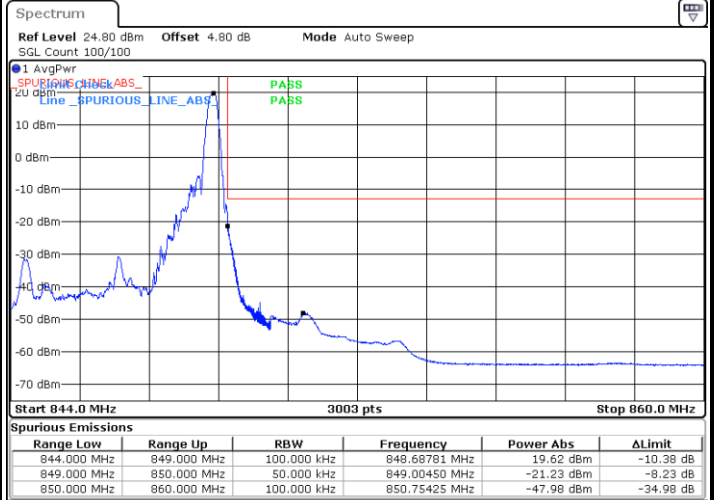
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB



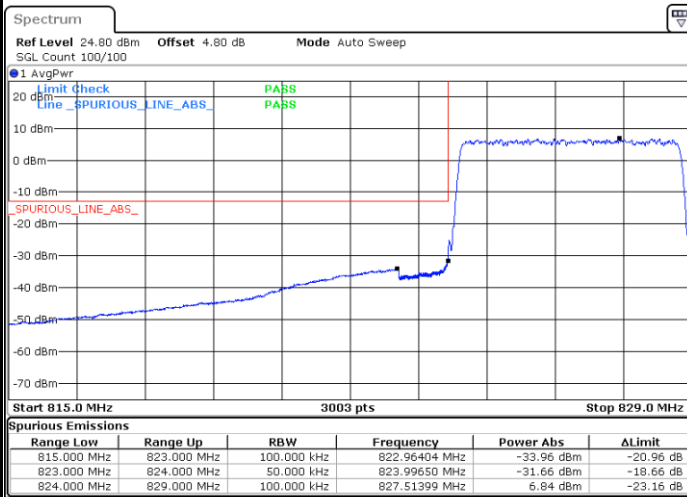
Date: 4 JUN 2022 23:54:30

Highest Band Edge / 1 RB



Date: 5 JUN 2022 00:07:50

Lowest Band Edge / Full RB



Date: 4 JUN 2022 23:59:30

Highest Band Edge / Full RB



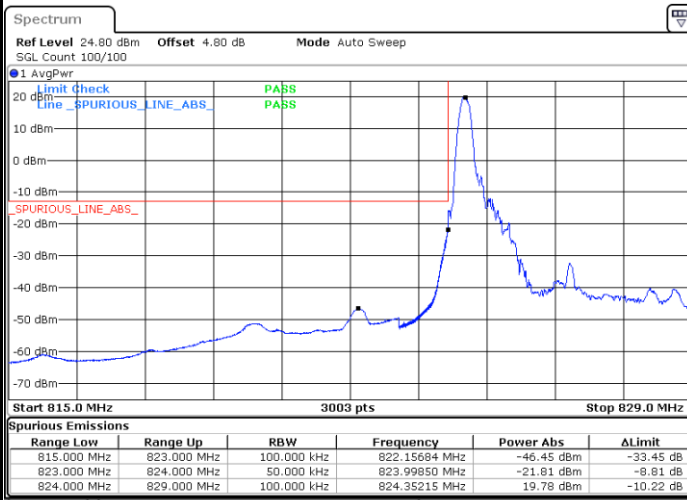
Date: 5 JUN 2022 00:12:49





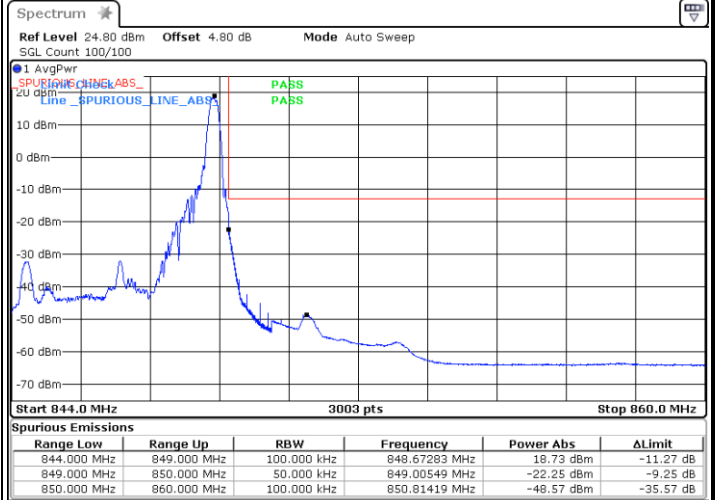
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB



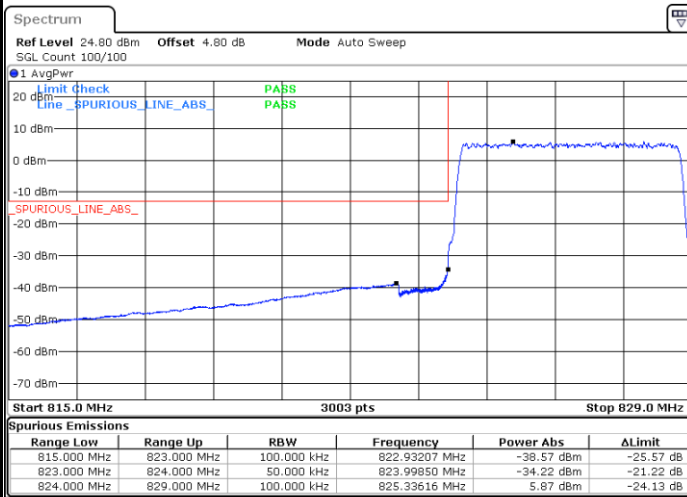
Date: 4 JUN 2022 23:56:10

Highest Band Edge / 1 RB



Date: 5 JUN 2022 00:09:29

Lowest Band Edge / Full RB



Date: 4 JUN 2022 23:57:50

Highest Band Edge / Full RB



Date: 5 JUN 2022 00:11:09