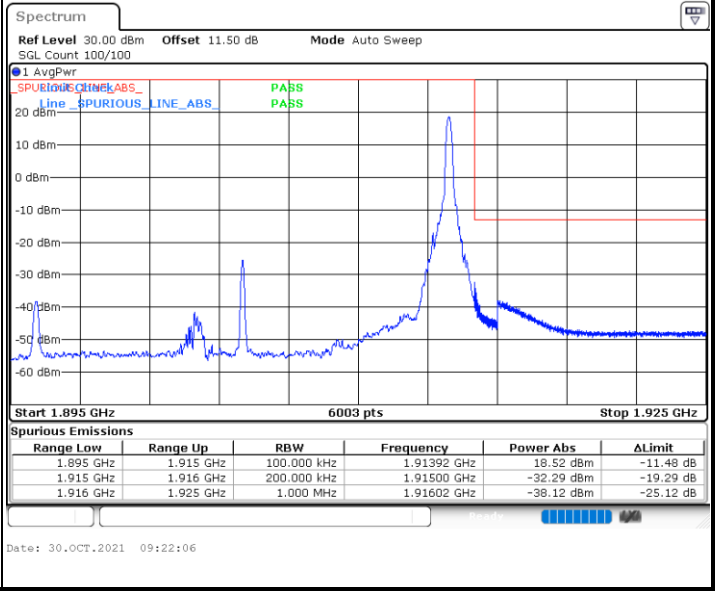
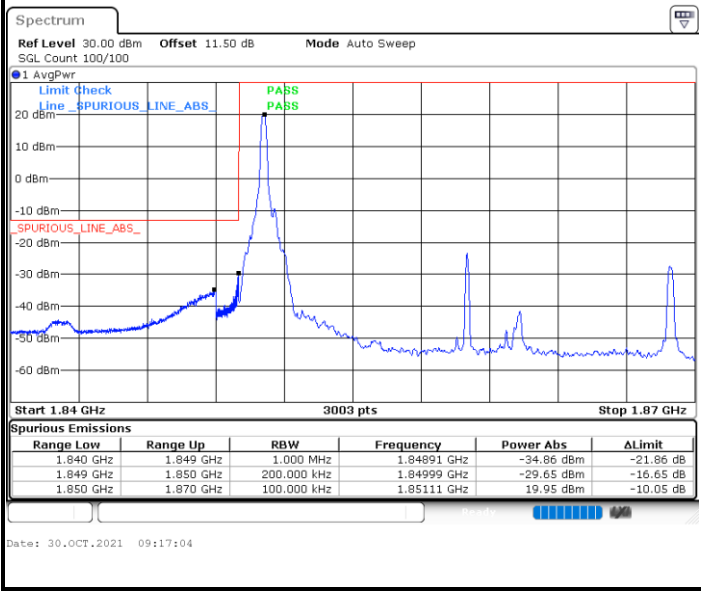




LTE Band 25 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



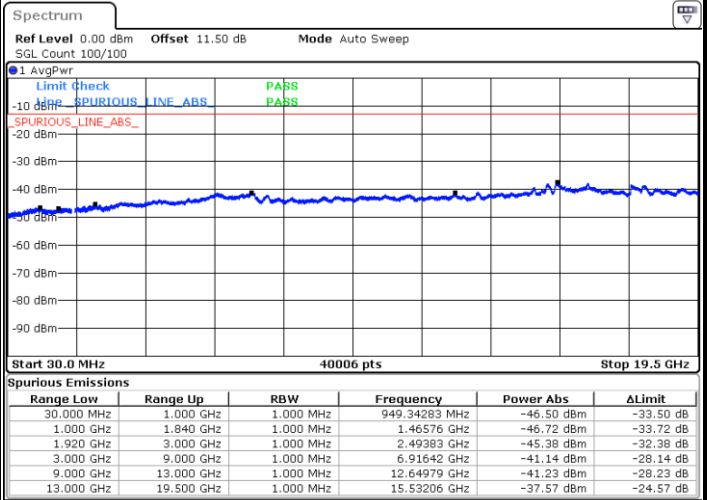
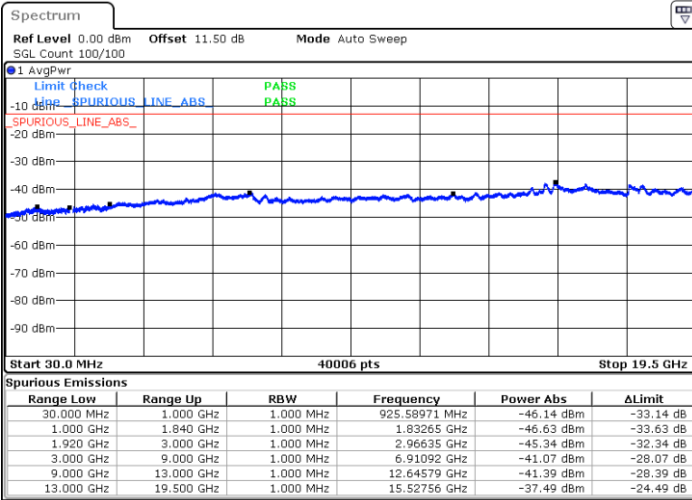


# Conducted Spurious Emission

## LTE Band 25 / 1.4MHz

### Lowest Channel / QPSK

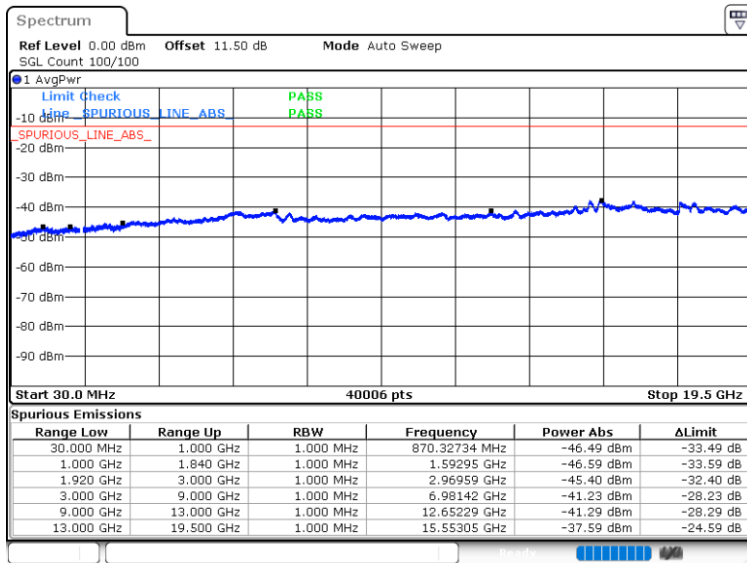
### Middle Channel / QPSK



Date: 30.OCT.2021 08:30:13

Date: 30.OCT.2021 08:32:32

### Highest Channel / QPSK



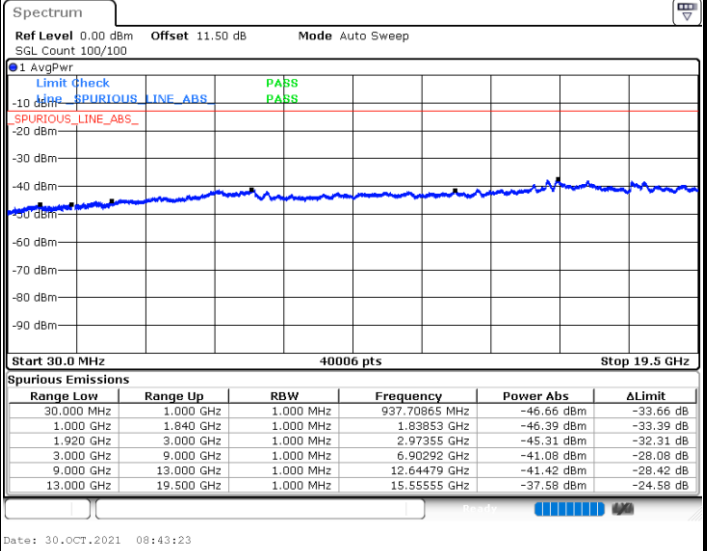
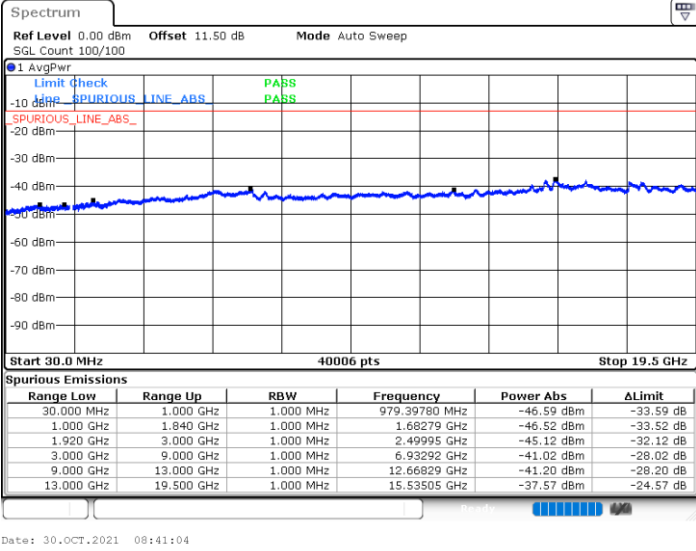
Date: 30.OCT.2021 08:36:47



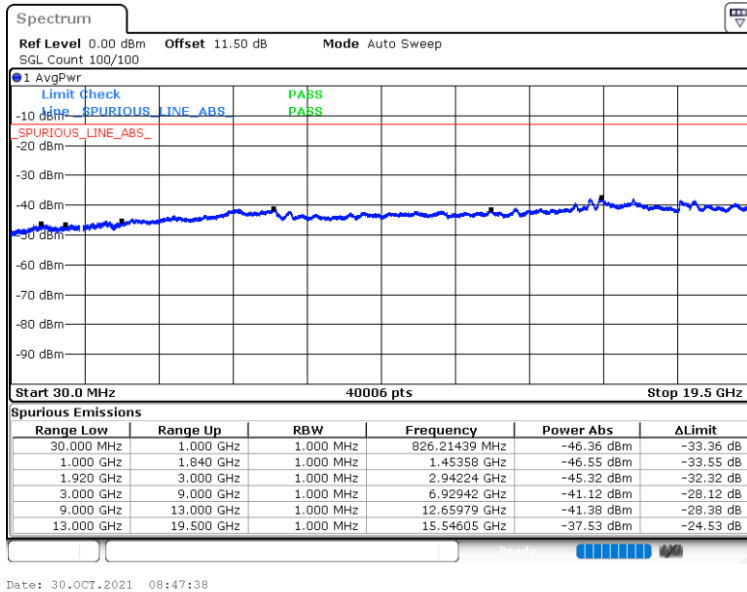
LTE Band 25 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

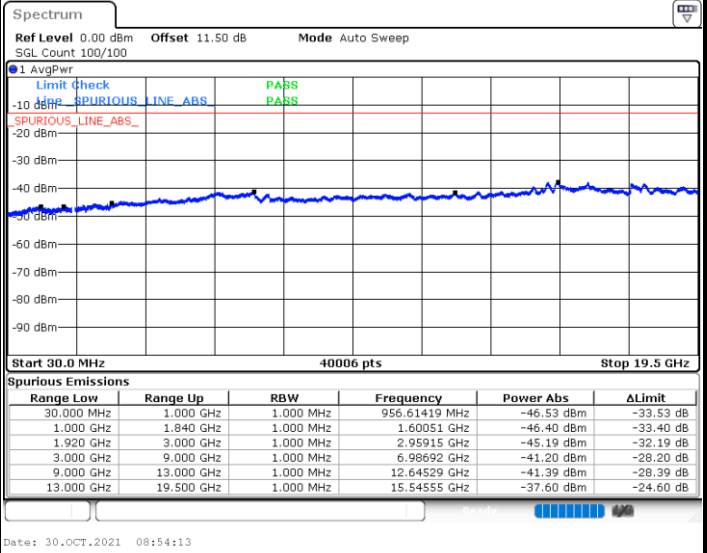
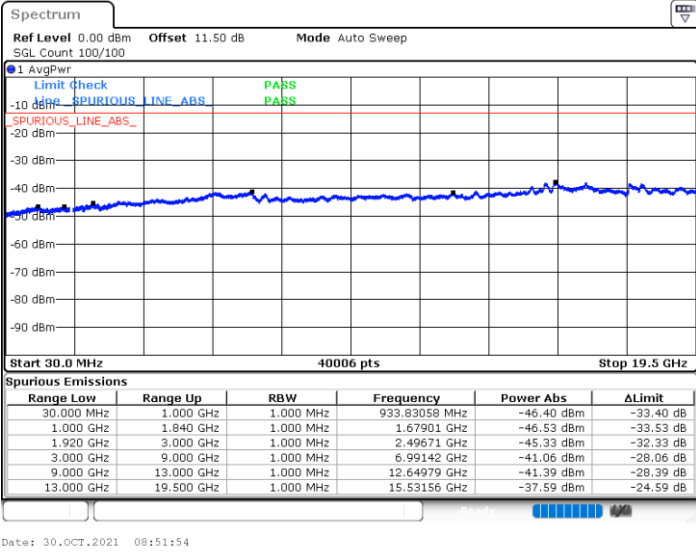




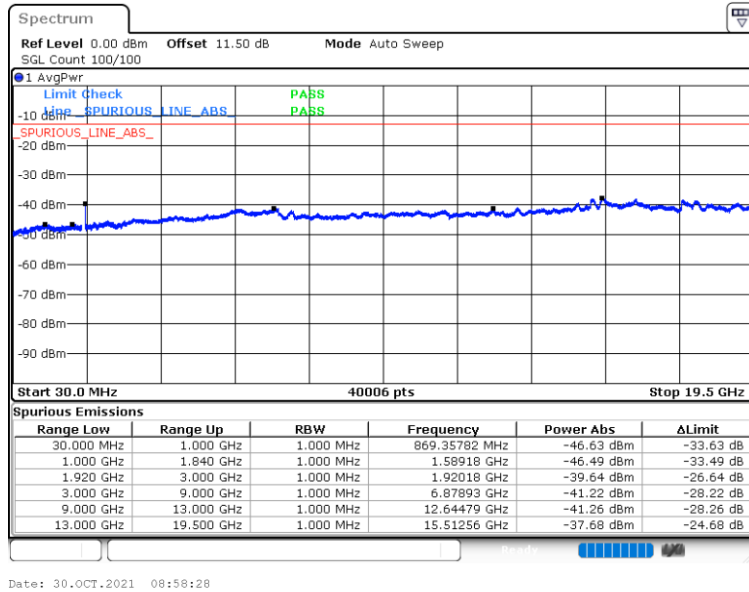
LTE Band 25 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

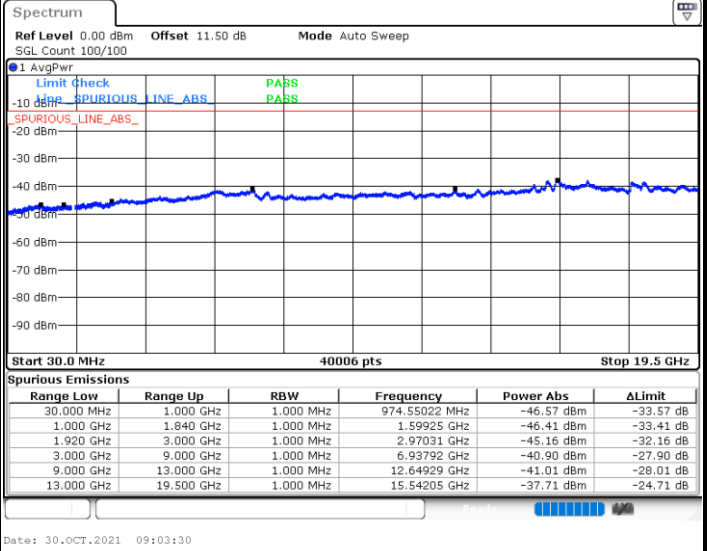
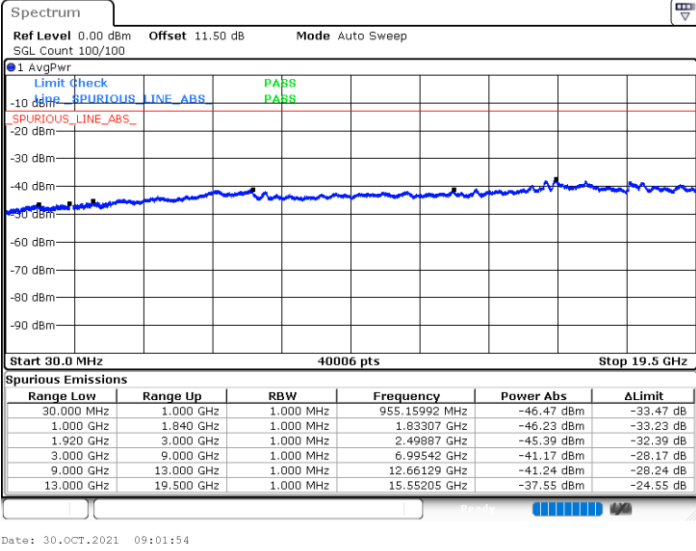




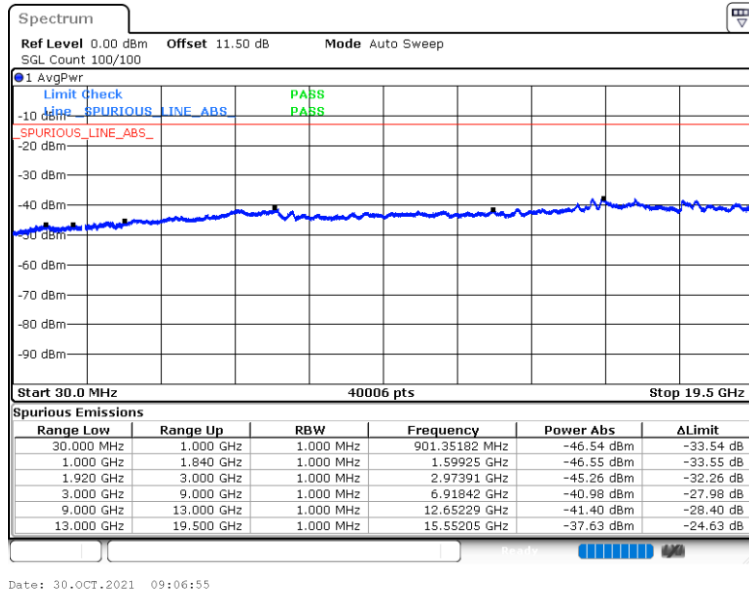
LTE Band 25 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

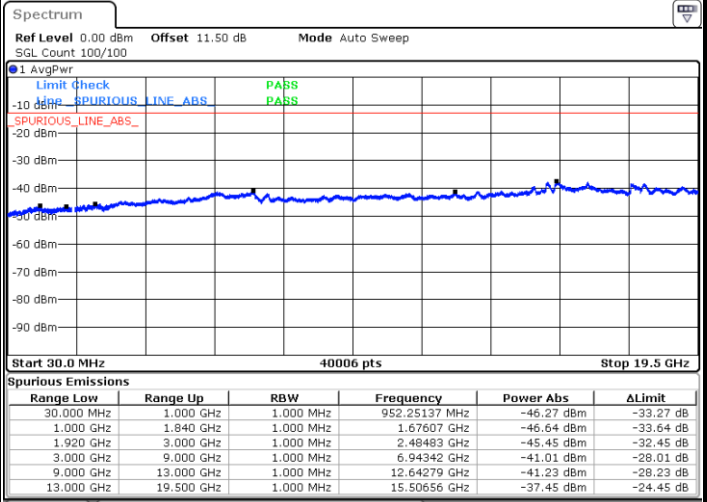
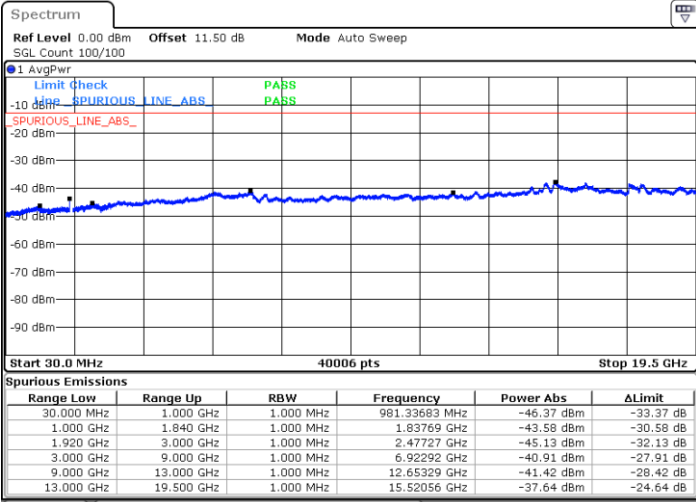




LTE Band 25 / 15MHz

Lowest Channel / QPSK

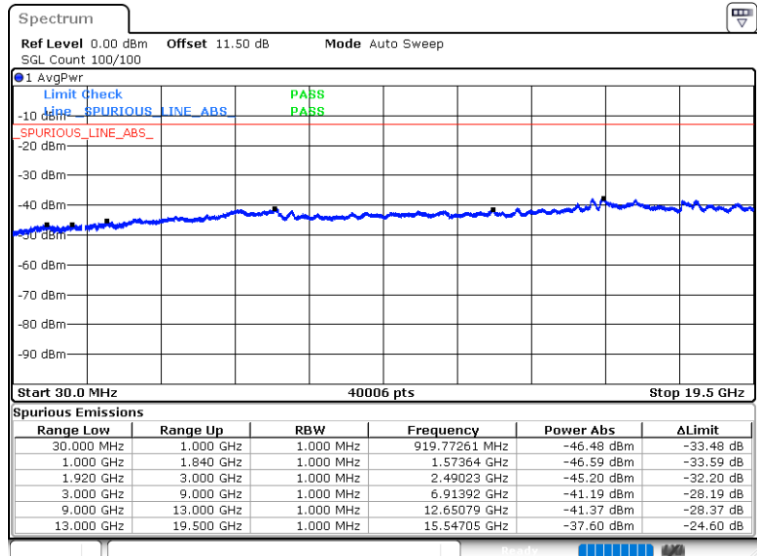
Middle Channel / QPSK



Date: 30.OCT.2021 09:10:20

Date: 30.OCT.2021 09:11:56

Highest Channel / QPSK



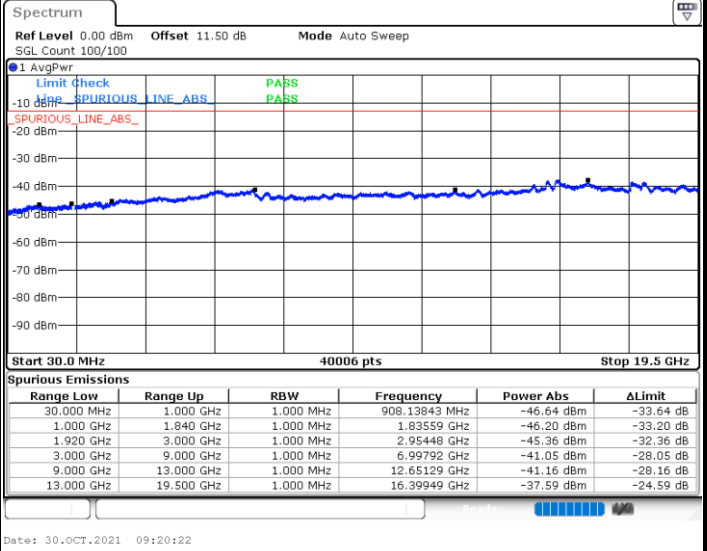
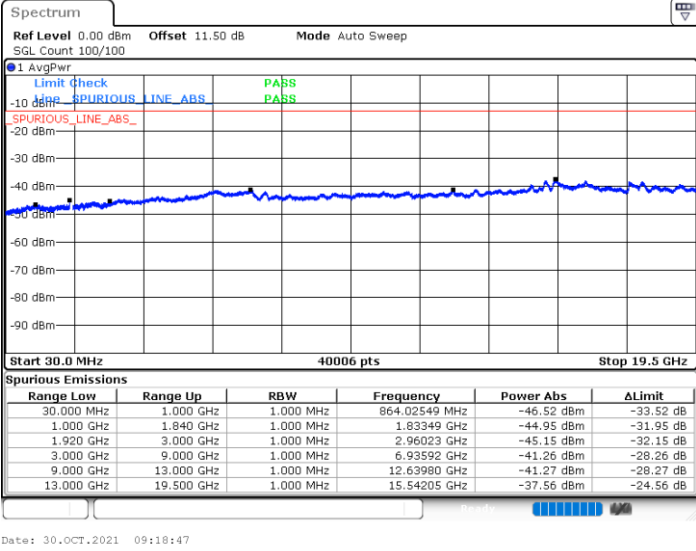
Date: 30.OCT.2021 09:15:21



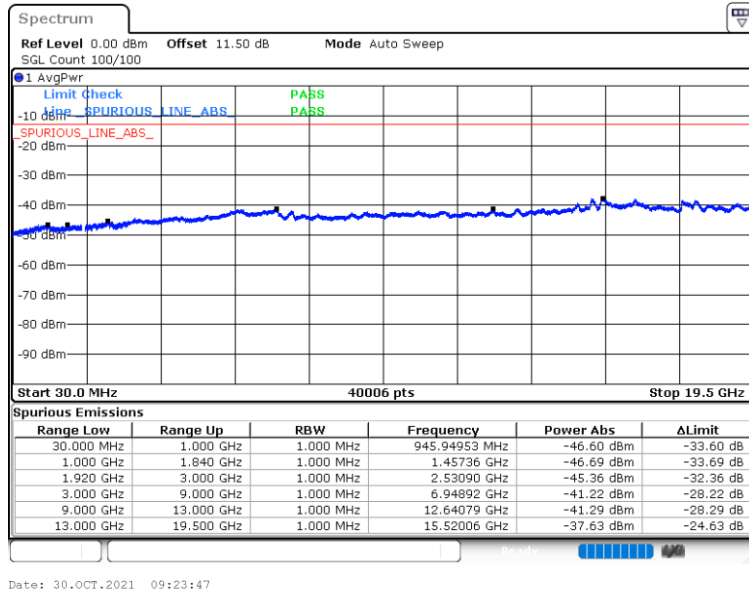
LTE Band 25 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





### Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0044	PASS
40	Normal Voltage	0.0071	
30	Normal Voltage	0.0073	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0056	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0052	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0023	

**Note:**

- 1. Normal Voltage =12.00 V. ; Battery End Point (BEP) =8.00 V. ; Maximum Voltage =40.00 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.

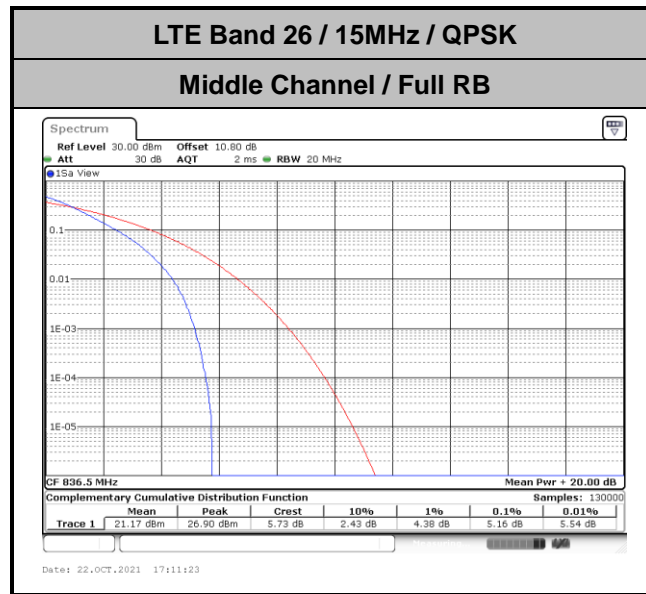




# LTE Band 26

## Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz	
Mod.	QPSK	Limit: 13dB
RB Size	Full RB	Result
Middle CH	5.16	PASS





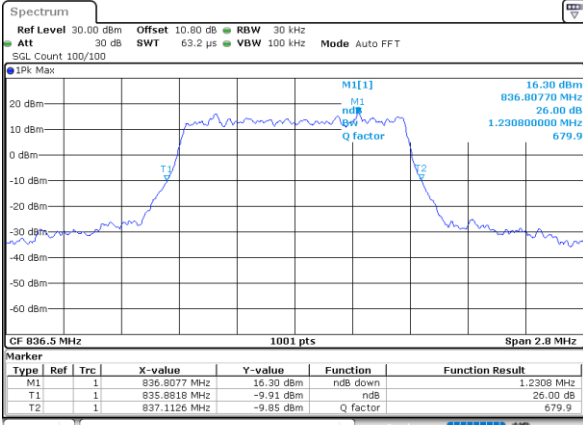
**26dB Bandwidth**

Mode	LTE Band 26 : 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	1.23	1.29	2.99	3.03	4.98	4.92	9.99	-	14.18	-	-	-
Mode	LTE Band 26 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	-	-	-	-	-	-	-	-



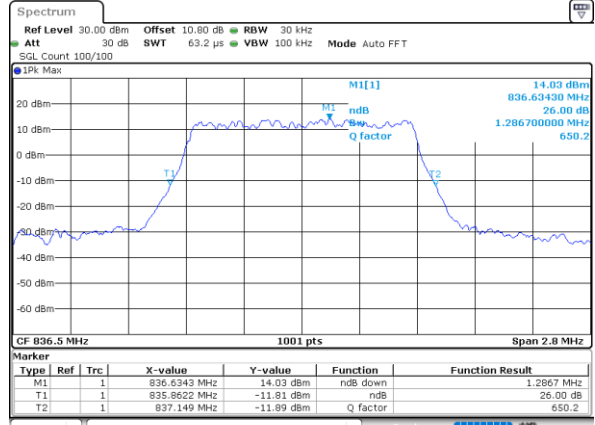
LTE Band 26

Middle Channel / 1.4MHz / QPSK



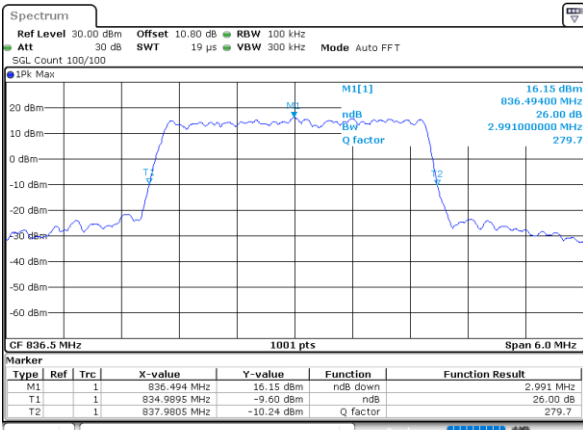
Date: 22.OCT.2021 16:19:16

Middle Channel / 1.4MHz / 16QAM



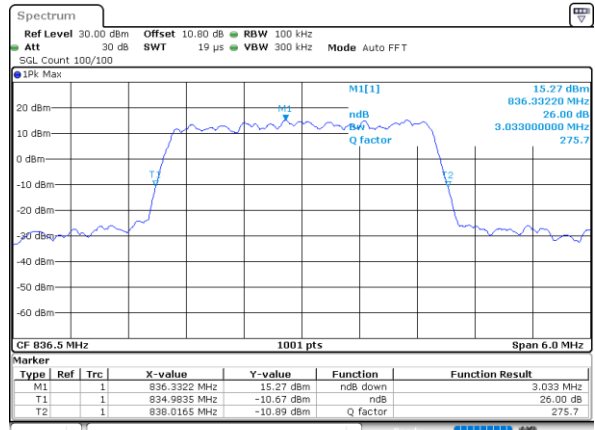
Date: 22.OCT.2021 16:18:54

Middle Channel / 3MHz / QPSK



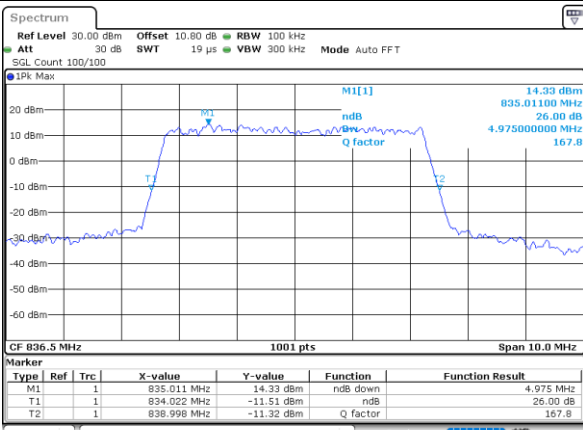
Date: 22.OCT.2021 16:32:15

Middle Channel / 3MHz / 16QAM



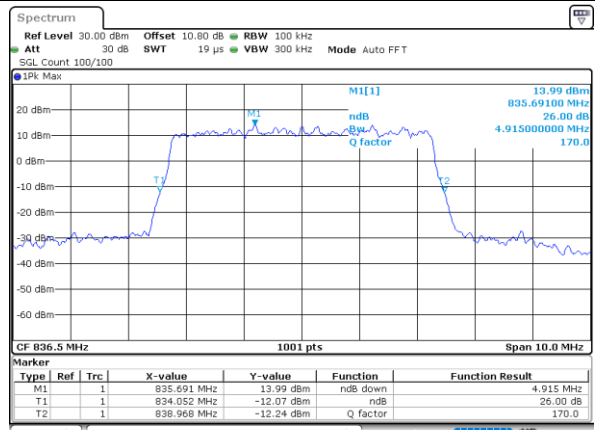
Date: 22.OCT.2021 16:31:53

Middle Channel / 5MHz / QPSK

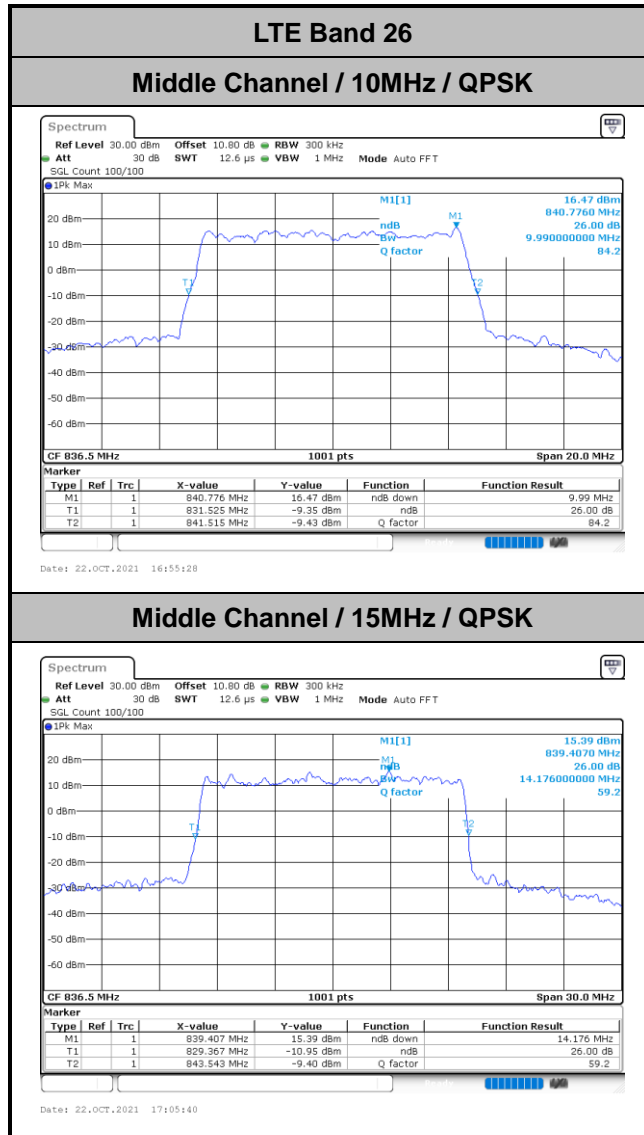


Date: 22.OCT.2021 16:45:13

Middle Channel / 5MHz / 16QAM



Date: 22.OCT.2021 16:44:52





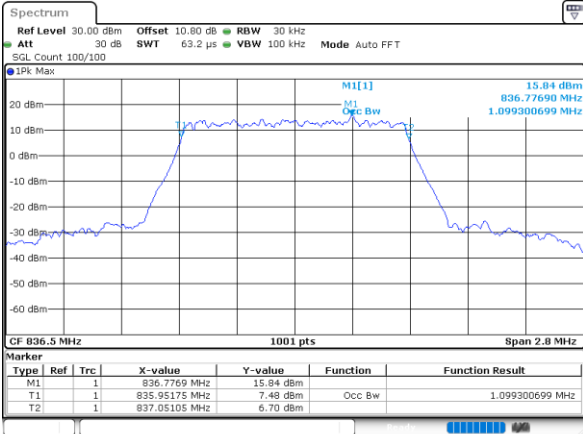
**Occupied Bandwidth**

Mode	LTE Band 26 : 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	1.10	1.10	2.73	2.72	4.49	4.49	8.99	-	13.43	-	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	-	-	-	-	-	-	-	-



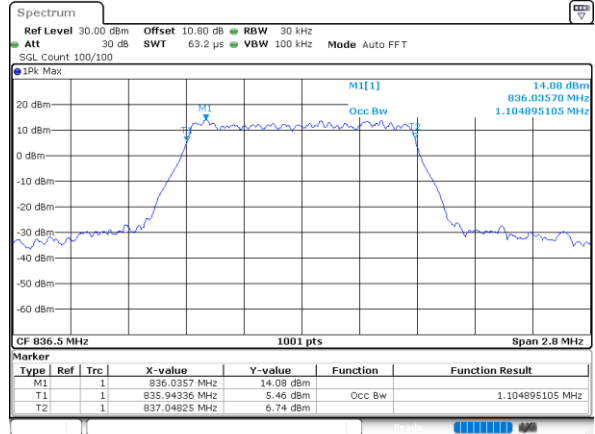
LTE Band 26

Middle Channel / 1.4MHz / QPSK



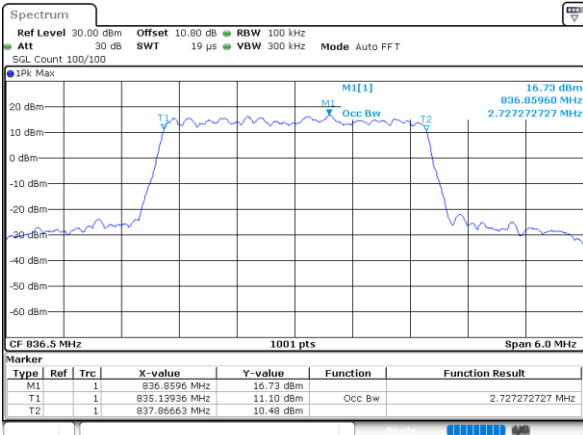
Date: 22.OCT.2021 16:18:11

Middle Channel / 1.4MHz / 16QAM



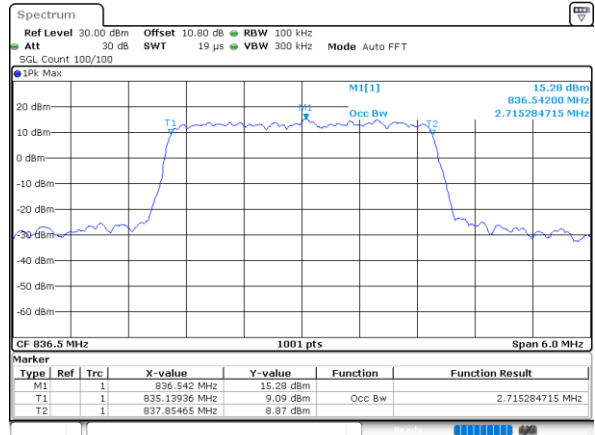
Date: 22.OCT.2021 16:18:33

Middle Channel / 3MHz / QPSK



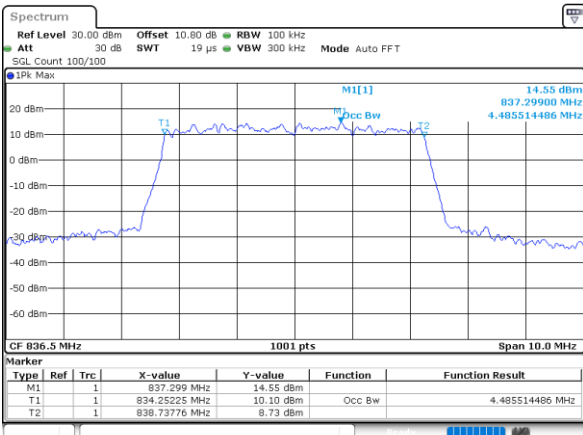
Date: 22.OCT.2021 16:31:10

Middle Channel / 3MHz / 16QAM



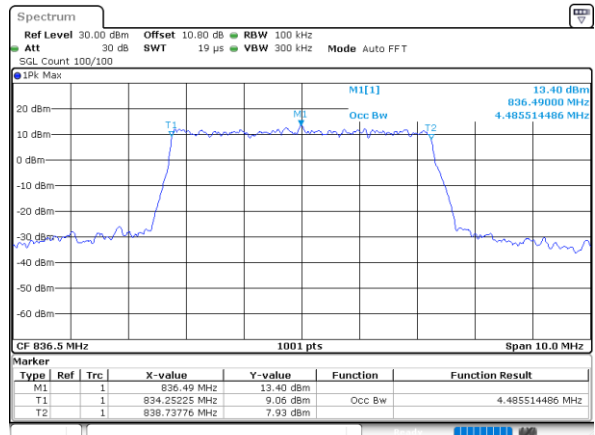
Date: 22.OCT.2021 16:31:32

Middle Channel / 5MHz / QPSK

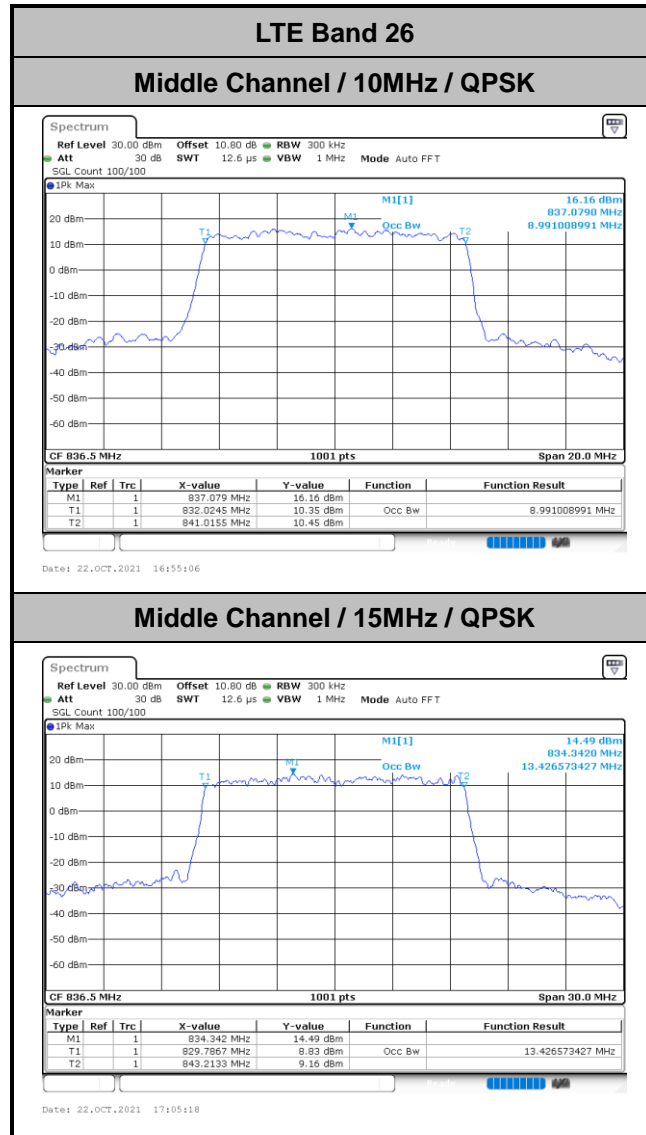


Date: 22.OCT.2021 16:44:09

Middle Channel / 5MHz / 16QAM

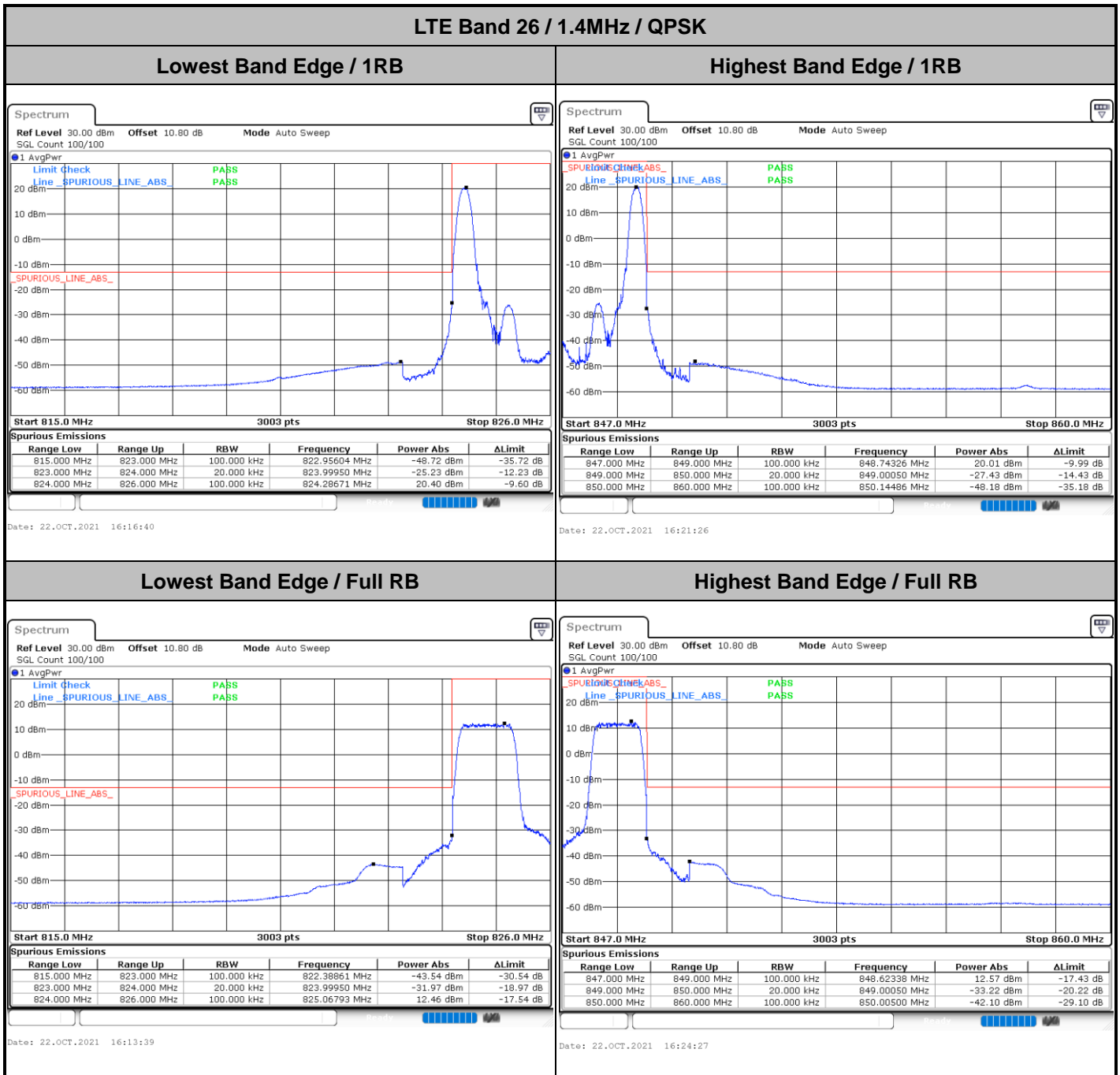


Date: 22.OCT.2021 16:44:30





# Conducted Band Edge

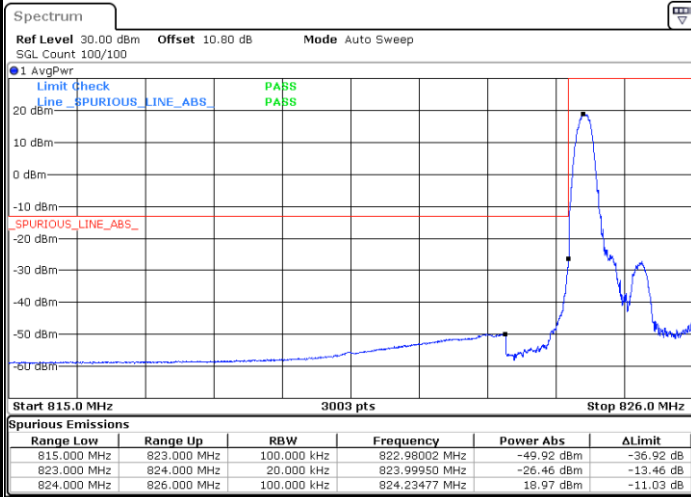






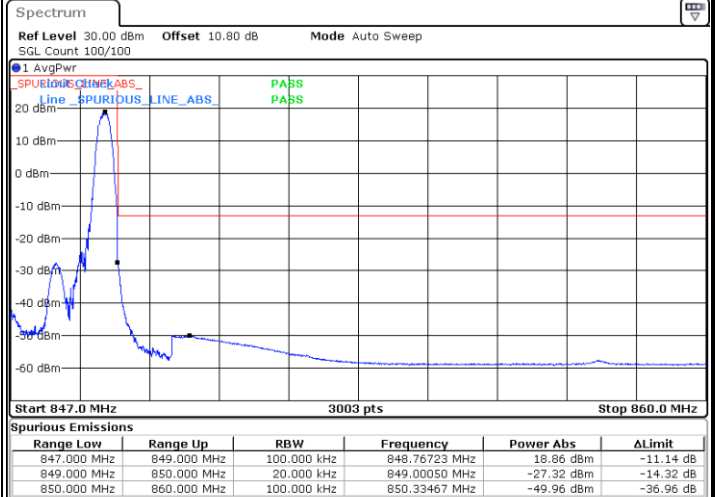
LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



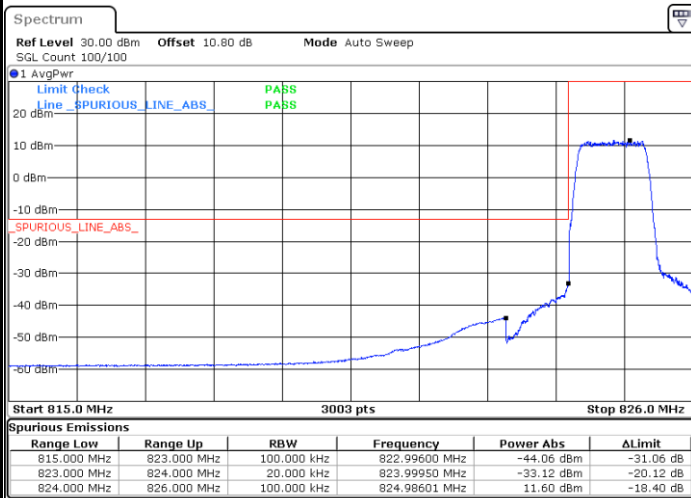
Date: 22.OCT.2021 16:15:40

Highest Band Edge / 1 RB



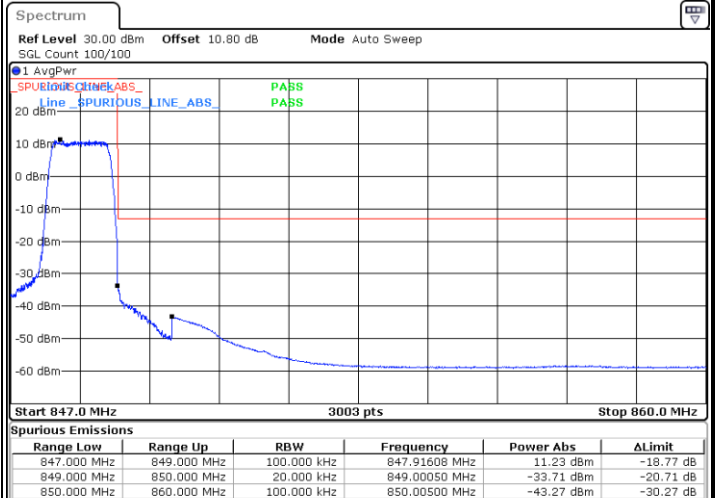
Date: 22.OCT.2021 16:22:27

Lowest Band Edge / Full RB



Date: 22.OCT.2021 16:14:40

Highest Band Edge / Full RB

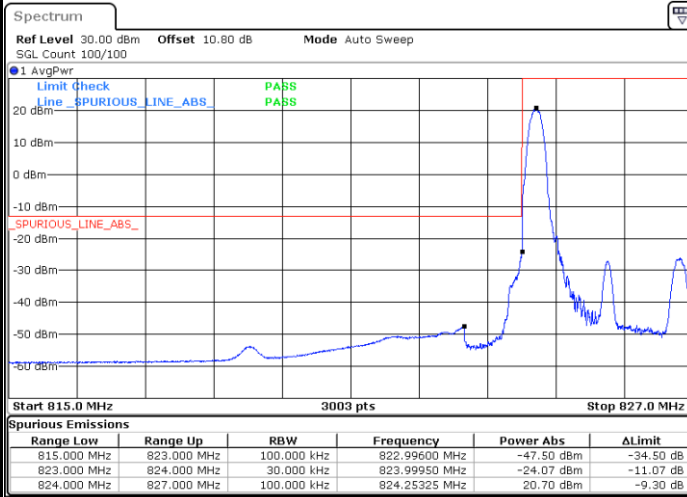


Date: 22.OCT.2021 16:23:27



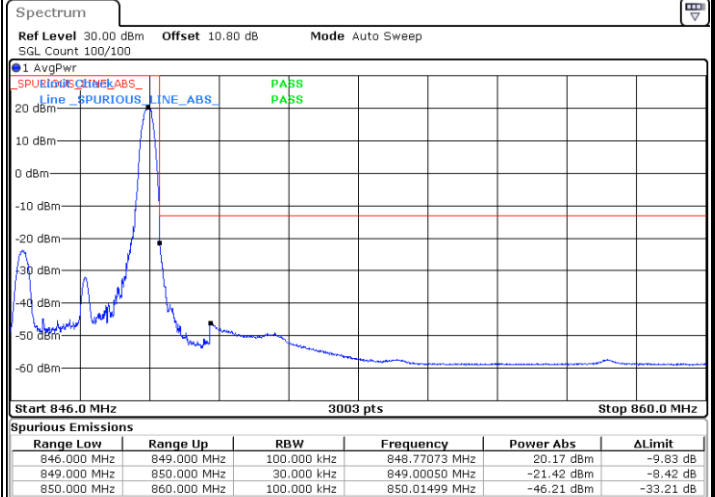
LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / 1RB



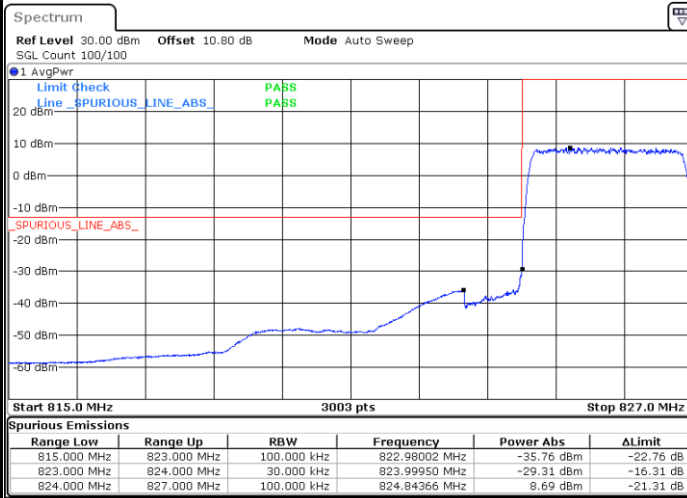
Date: 22.OCT.2021 16:29:39

Highest Band Edge / 1 RB



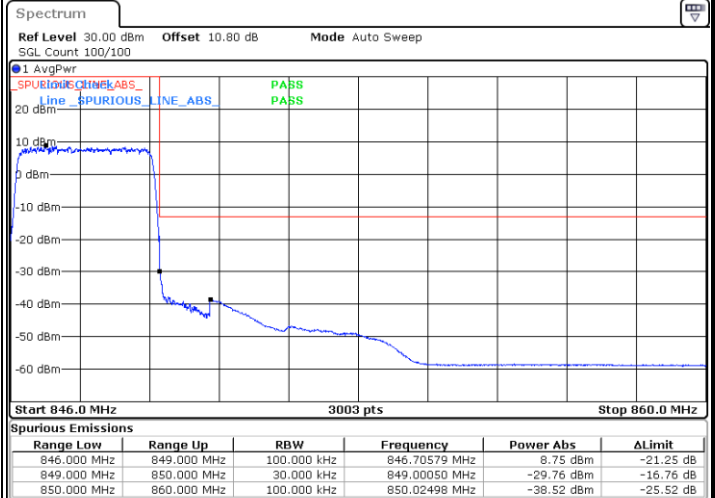
Date: 22.OCT.2021 16:34:25

Lowest Band Edge / Full RB



Date: 22.OCT.2021 16:26:38

Highest Band Edge / Full RB

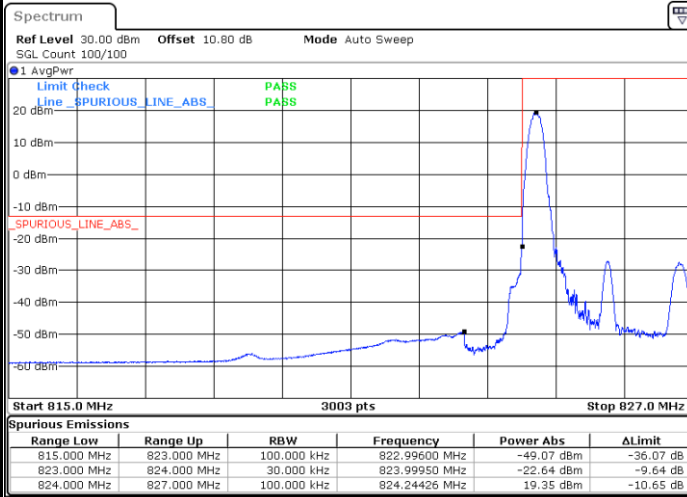


Date: 22.OCT.2021 16:37:26



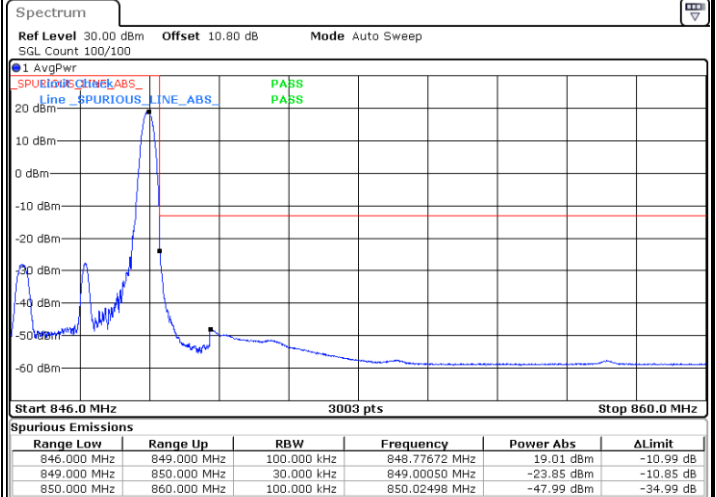
LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



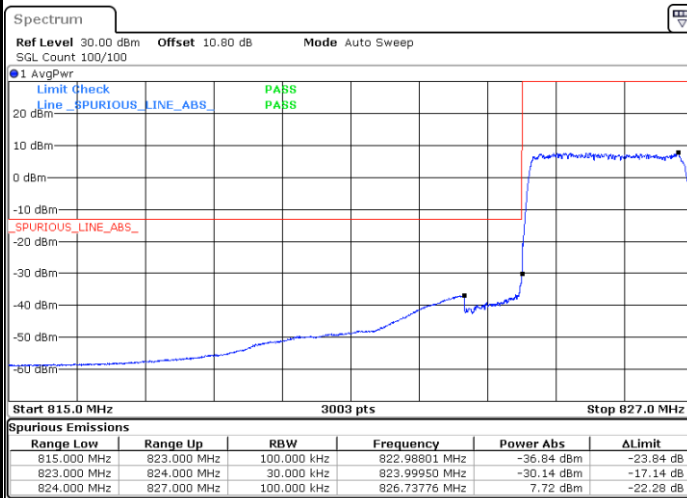
Date: 22.OCT.2021 16:28:38

Highest Band Edge / 1 RB



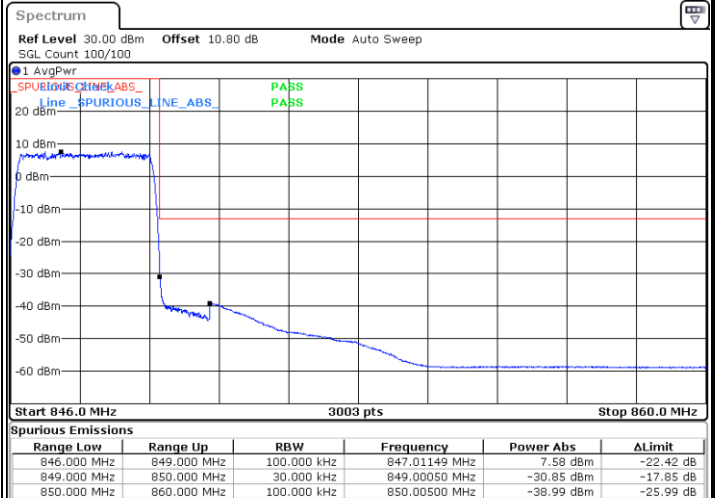
Date: 22.OCT.2021 16:35:25

Lowest Band Edge / Full RB



Date: 22.OCT.2021 16:27:38

Highest Band Edge / Full RB

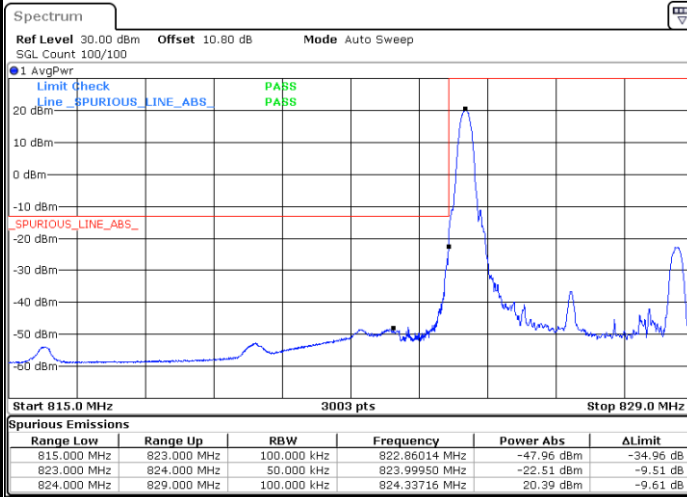


Date: 22.OCT.2021 16:36:26



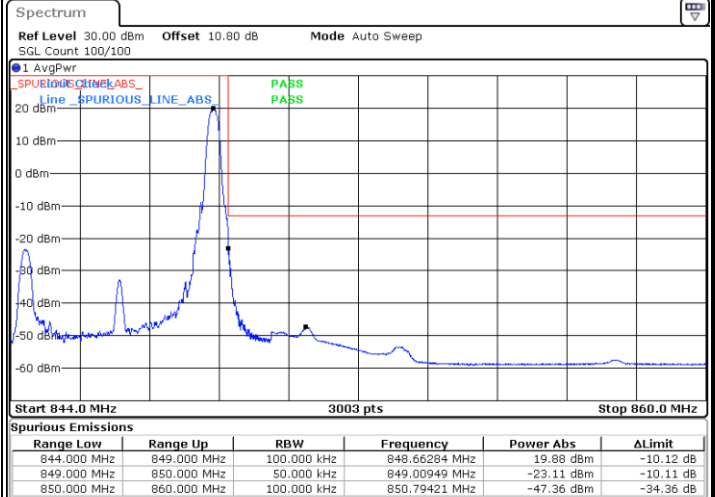
LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1 RB



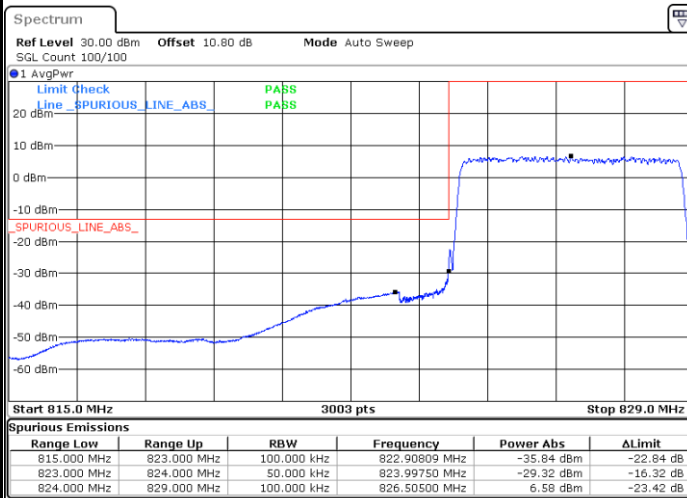
Date: 22.OCT.2021 16:42:37

Highest Band Edge / 1 RB



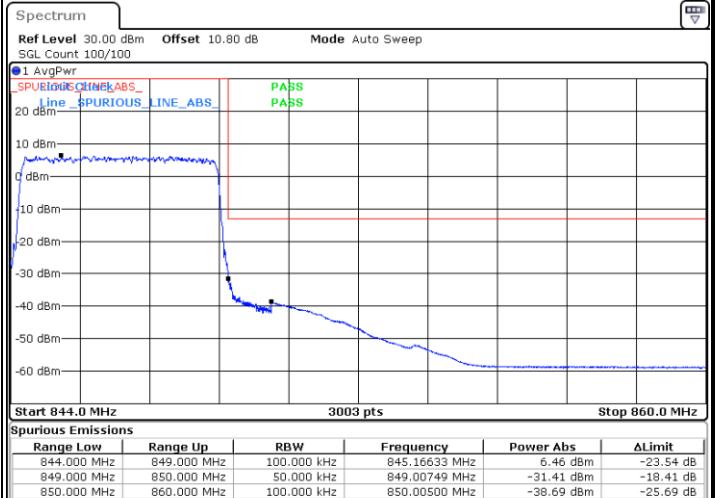
Date: 22.OCT.2021 16:47:23

Lowest Band Edge / Full RB



Date: 22.OCT.2021 16:39:37

Highest Band Edge / Full RB

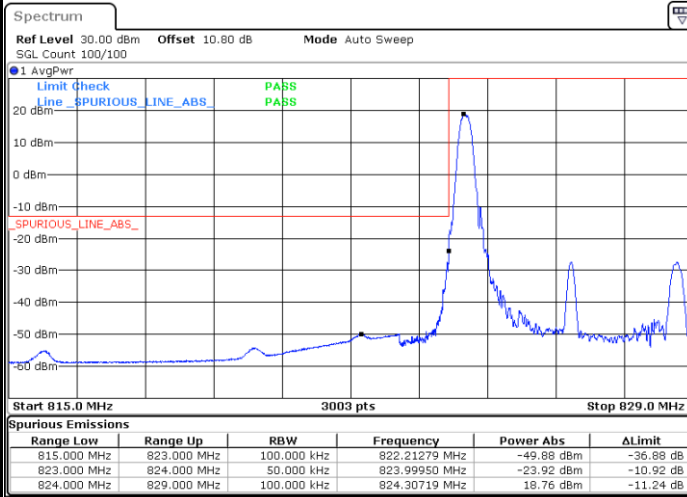


Date: 22.OCT.2021 16:50:24



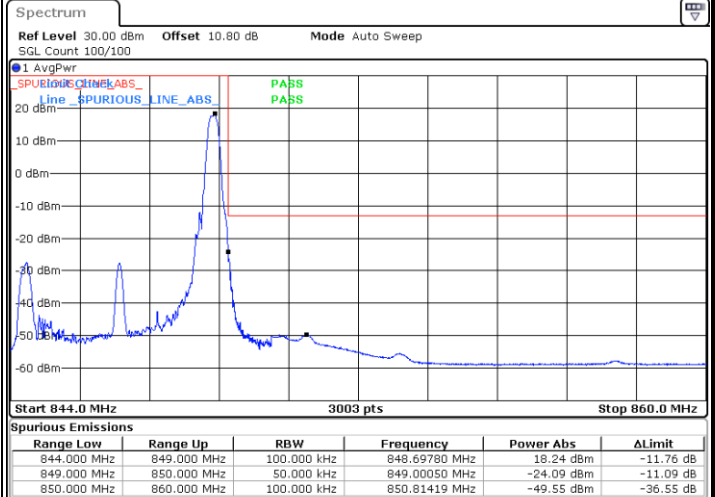
LTE Band 26 / 5MHz / 16QAM

Lowest Band Edge / 1RB



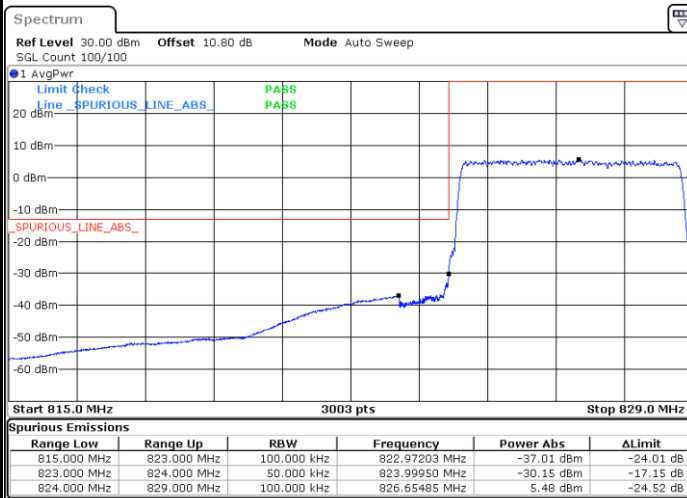
Date: 22.OCT.2021 16:41:37

Highest Band Edge / 1 RB



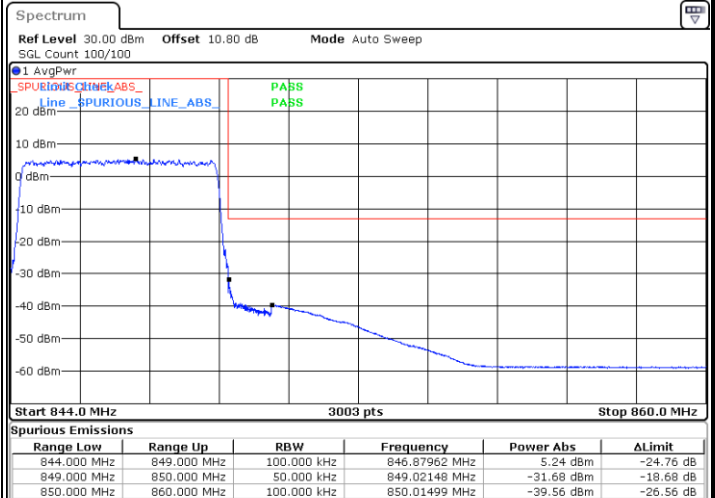
Date: 22.OCT.2021 16:48:24

Lowest Band Edge / Full RB



Date: 22.OCT.2021 16:40:37

Highest Band Edge / Full RB

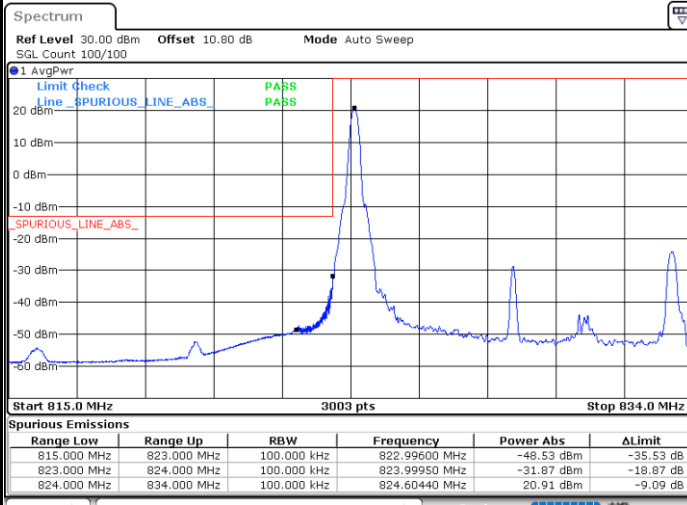


Date: 22.OCT.2021 16:49:24



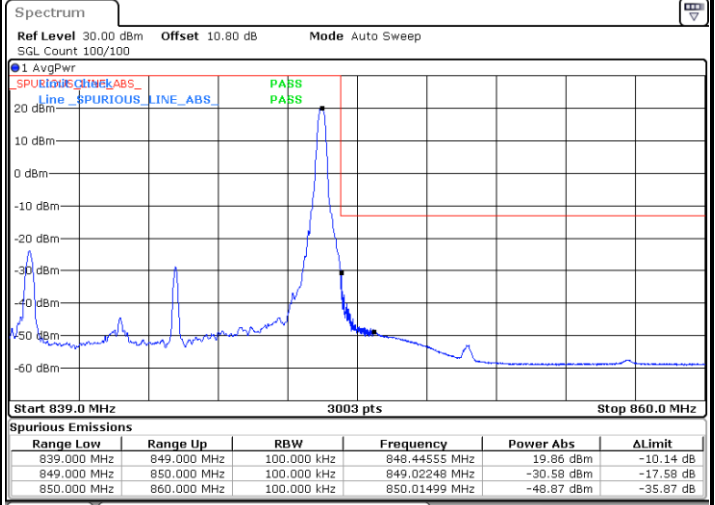
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



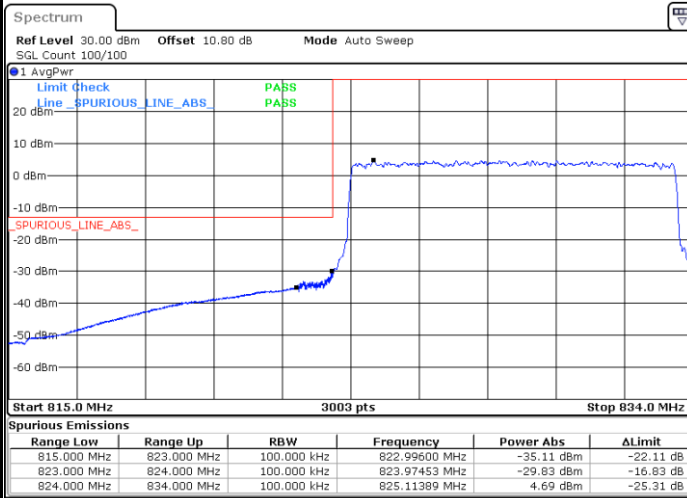
Date: 22.OCT.2021 16:53:35

Highest Band Edge / 1 RB



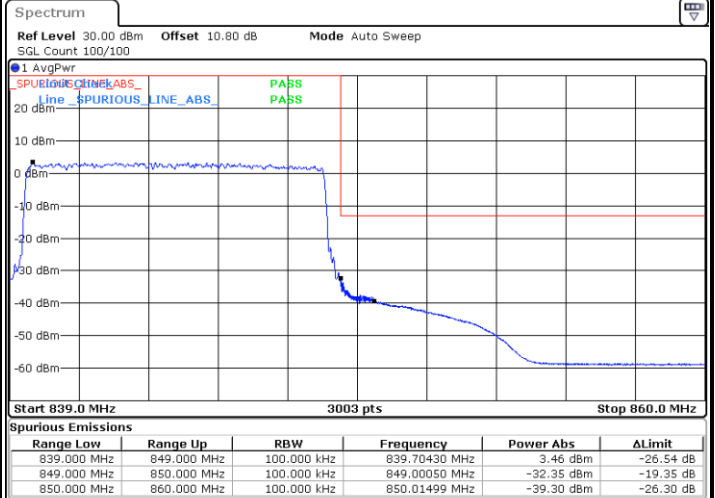
Date: 22.OCT.2021 16:57:38

Lowest Band Edge / Full RB



Date: 1.NOV.2021 16:36:42

Highest Band Edge / Full RB



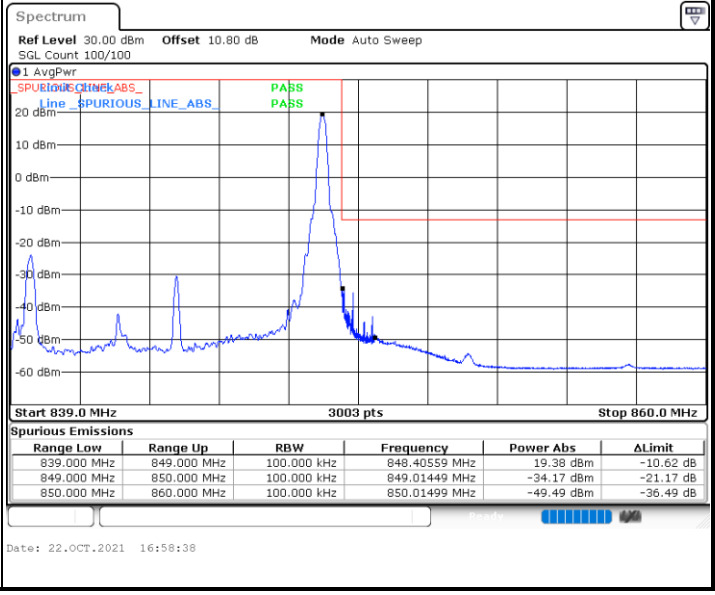
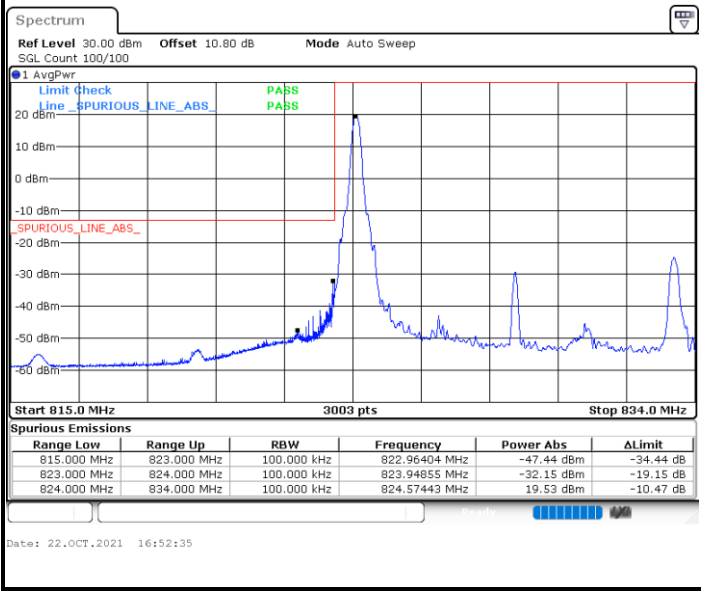
Date: 22.OCT.2021 16:59:39



LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

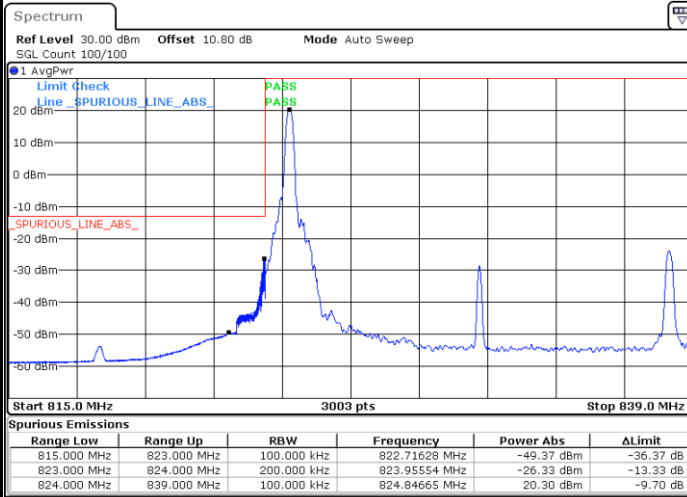
Highest Band Edge / 1 RB





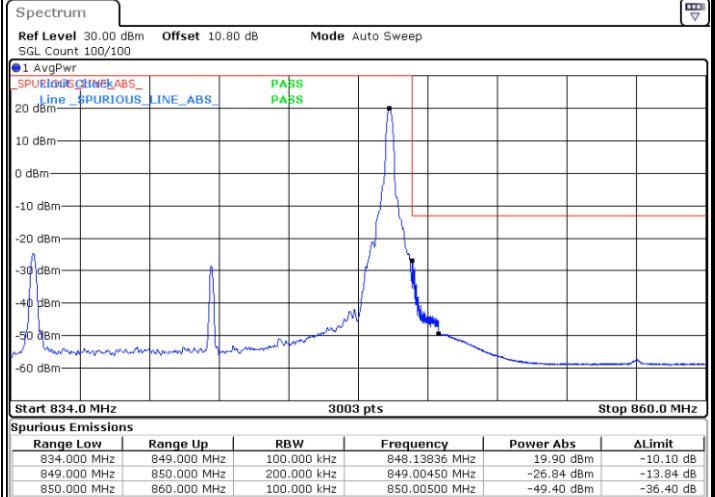
LTE Band 26 / 15MHz / QPSK

Lowest Band Edge / 1 RB



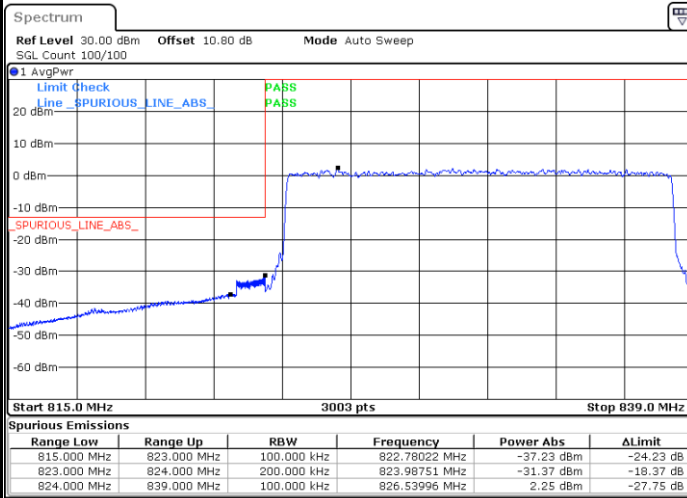
Date: 22.OCT.2021 17:03:48

Highest Band Edge / 1 RB



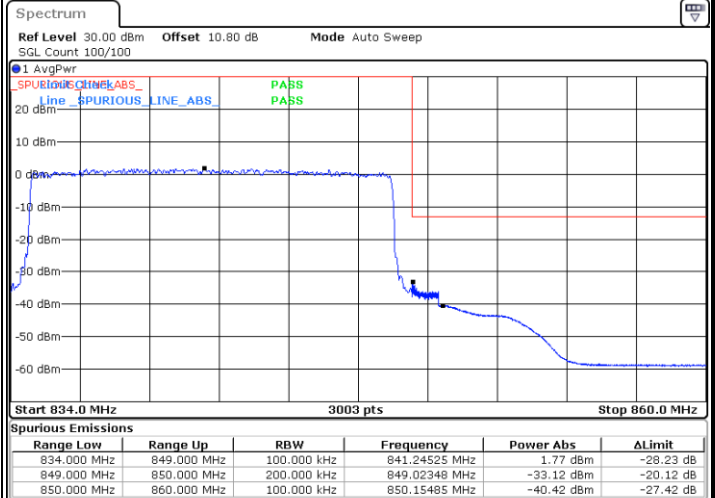
Date: 22.OCT.2021 17:07:50

Lowest Band Edge / Full RB



Date: 22.OCT.2021 17:01:49

Highest Band Edge / Full RB



Date: 22.OCT.2021 17:09:50

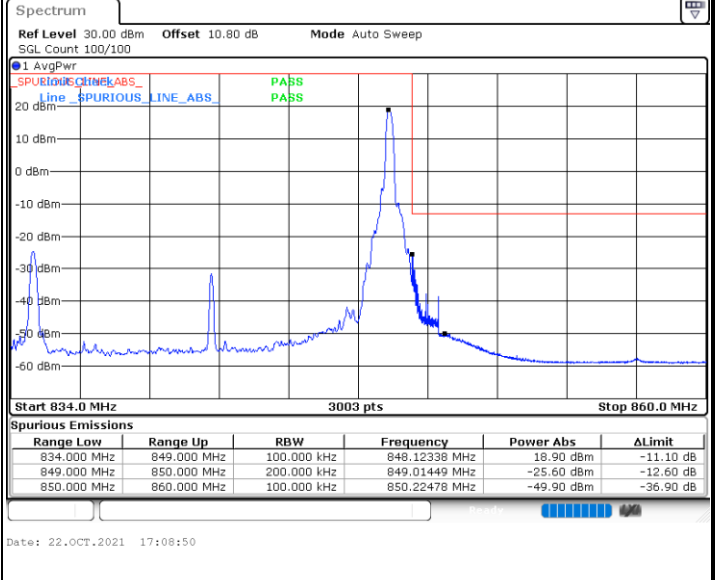
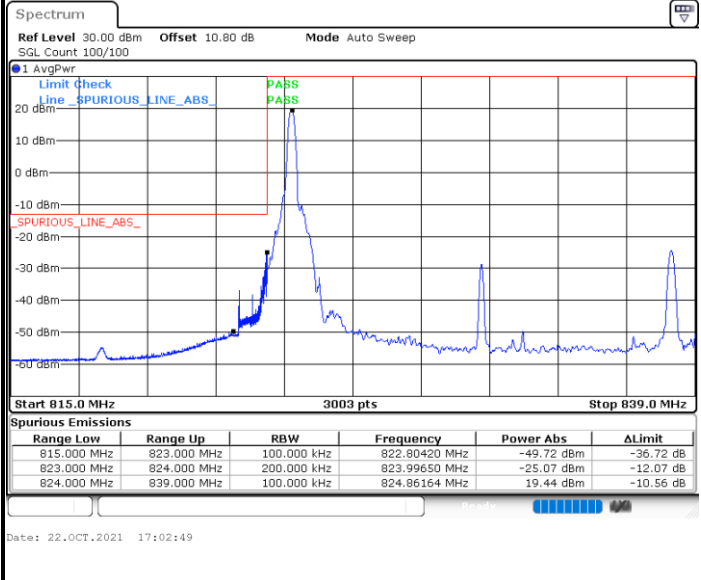




LTE Band 26 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



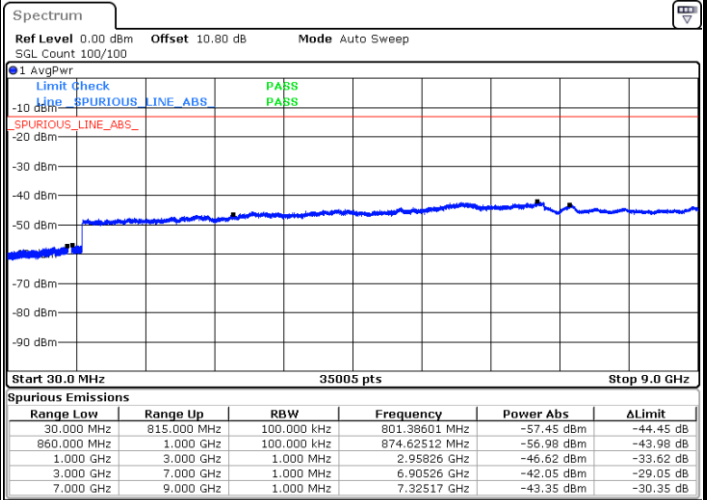
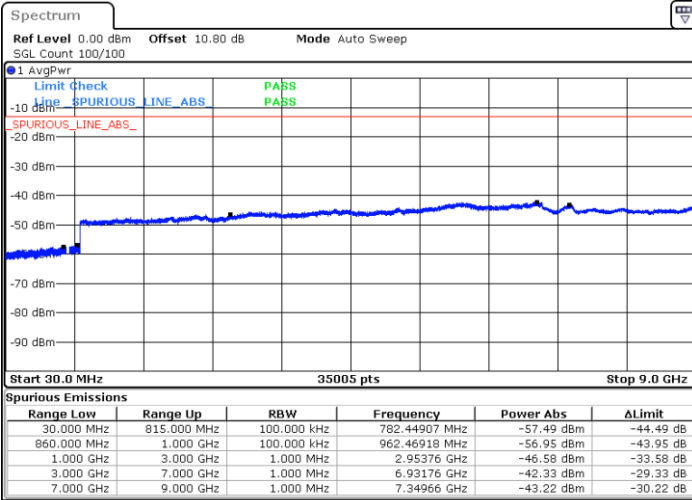


# Conducted Spurious Emission

## LTE Band 26 / 1.4MHz

### Lowest Channel / QPSK

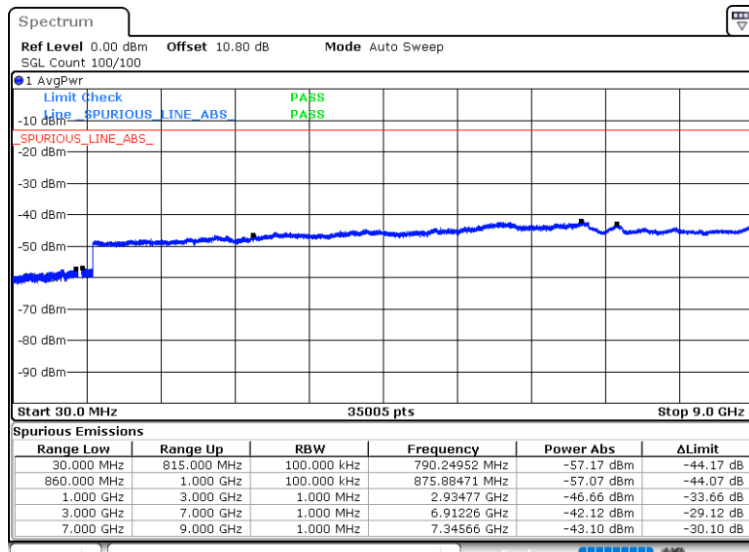
### Middle Channel / QPSK



Date: 22.OCT.2021 16:17:50

Date: 22.OCT.2021 16:20:26

### Highest Channel / QPSK

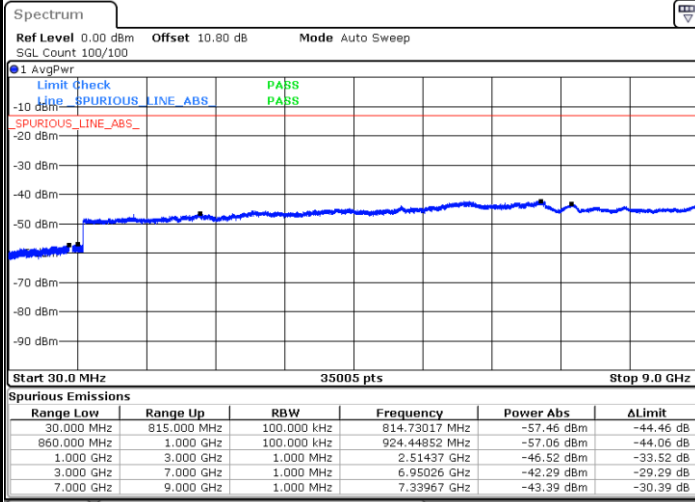


Date: 22.OCT.2021 16:25:37



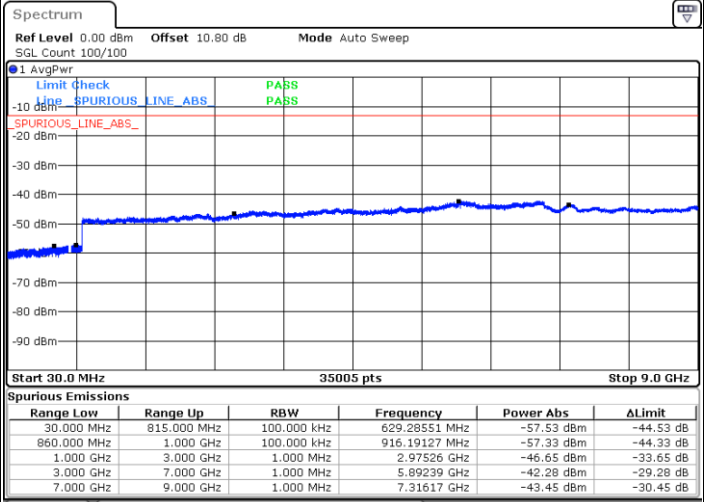
LTE Band 26 / 3MHz

Lowest Channel / QPSK



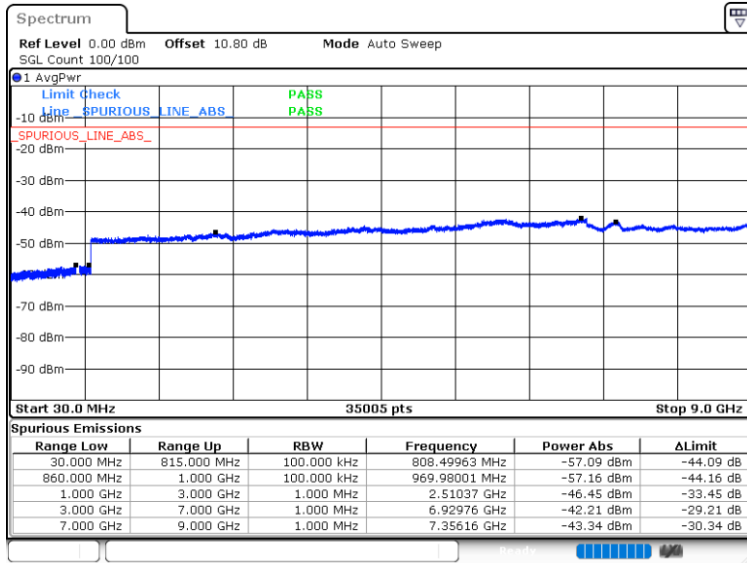
Date: 22.OCT.2021 16:30:49

Middle Channel / QPSK



Date: 22.OCT.2021 16:33:25

Highest Channel / QPSK



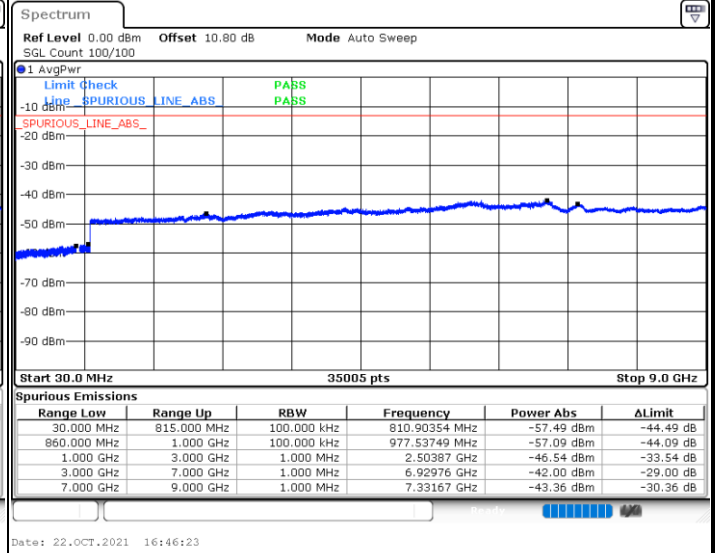
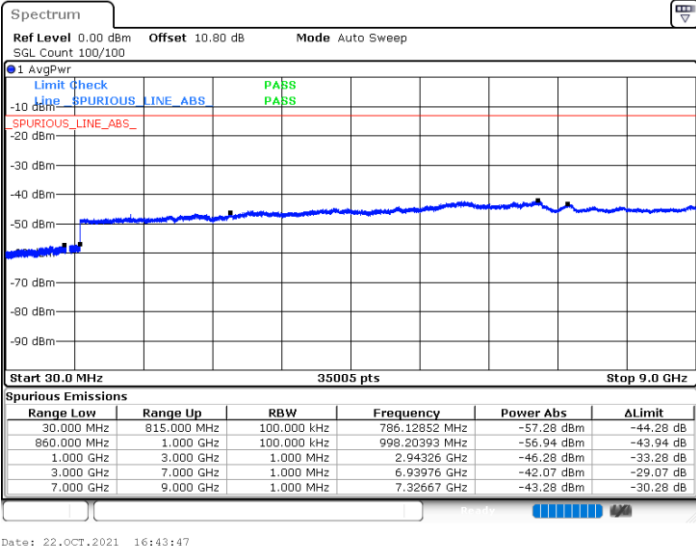
Date: 22.OCT.2021 16:38:36



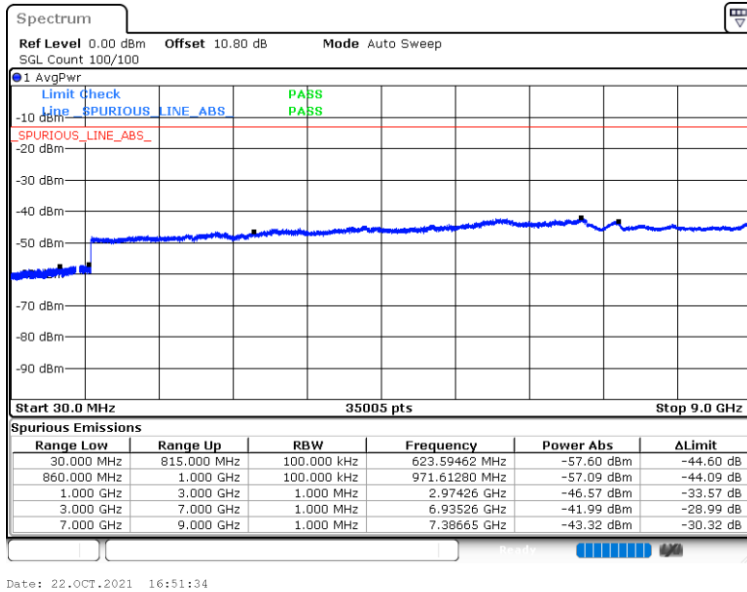
LTE Band 26 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

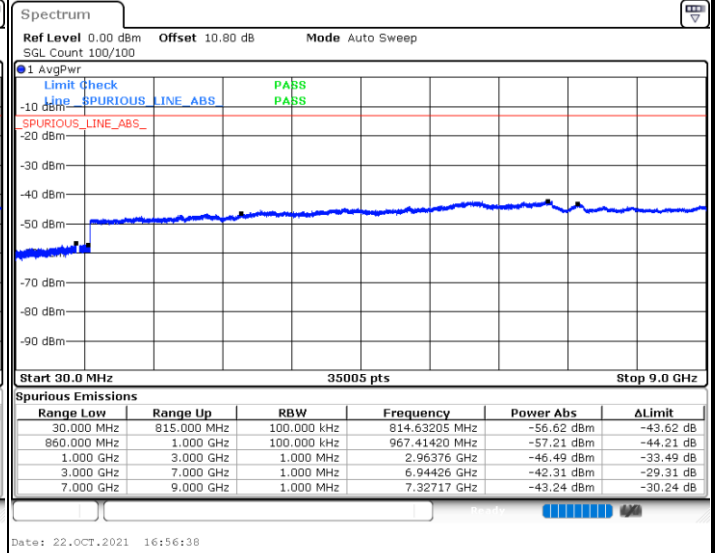
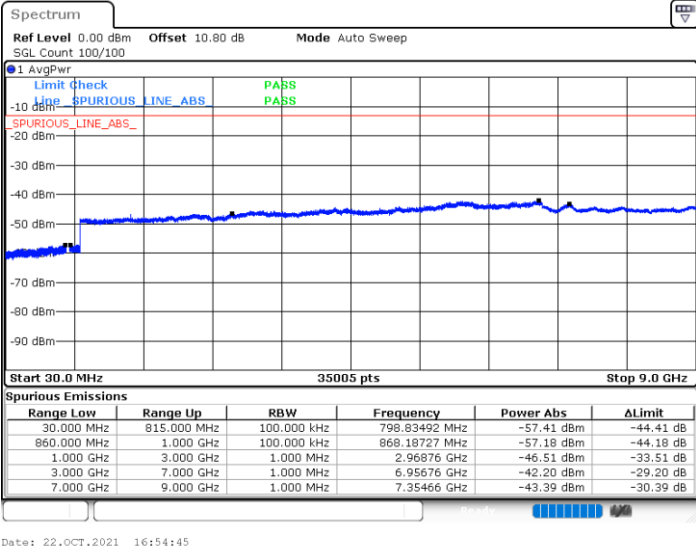




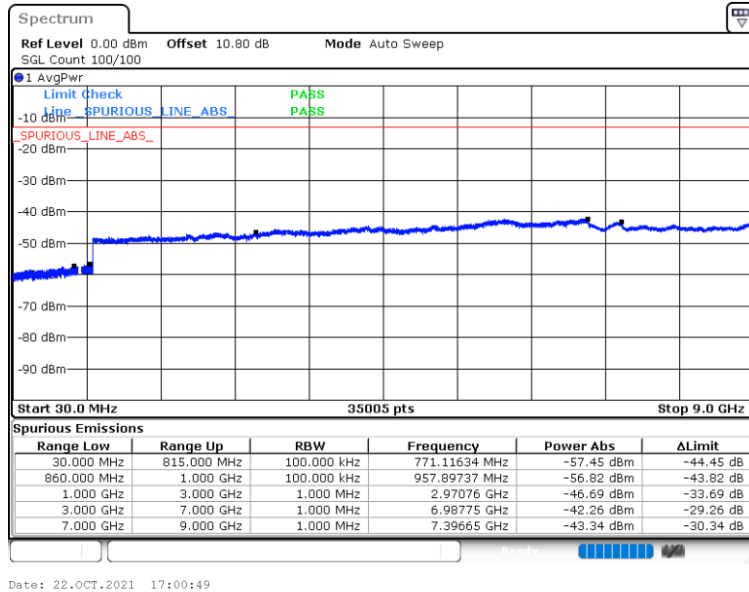
LTE Band 26 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

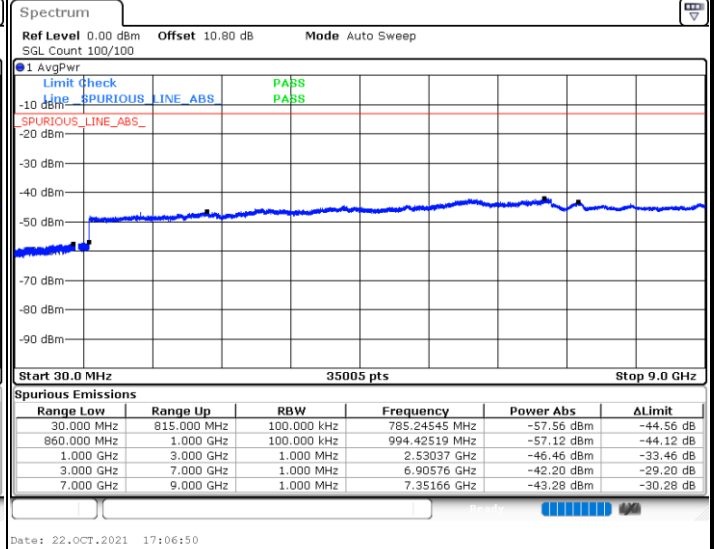
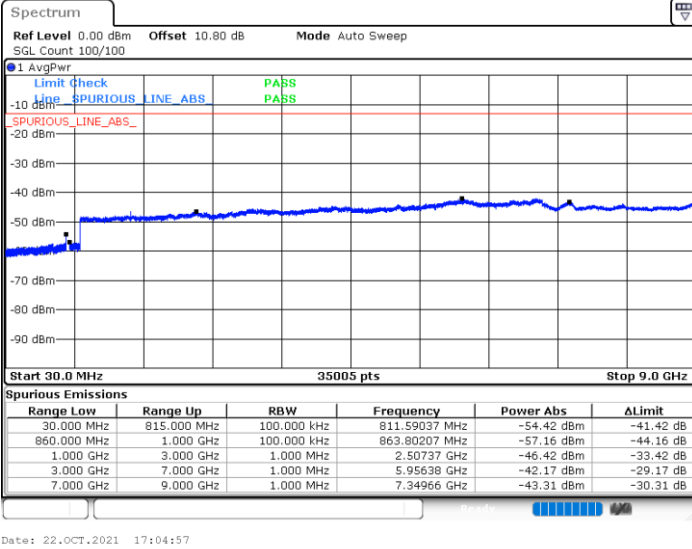




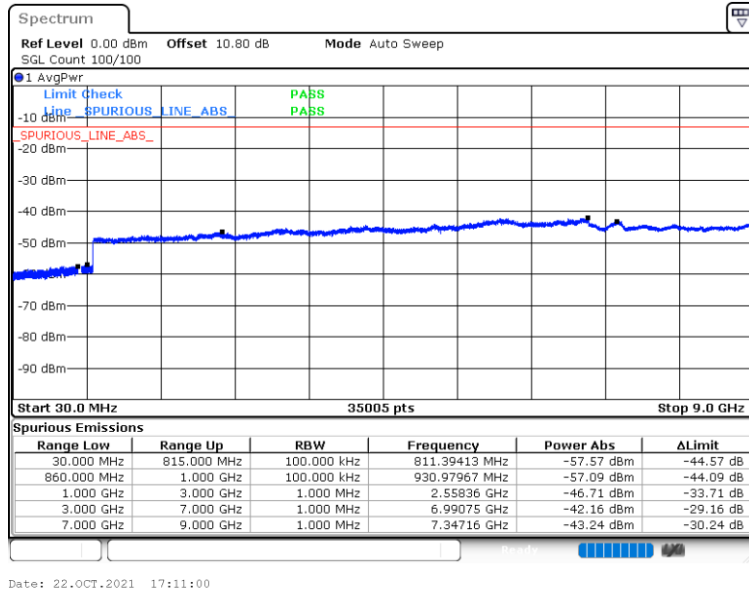
LTE Band 26 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





### 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	0.0080	PASS
40	Normal Voltage	0.0135	
30	Normal Voltage	0.0074	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0209	
0	Normal Voltage	0.0212	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0202	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0051	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0031	

**Note:**

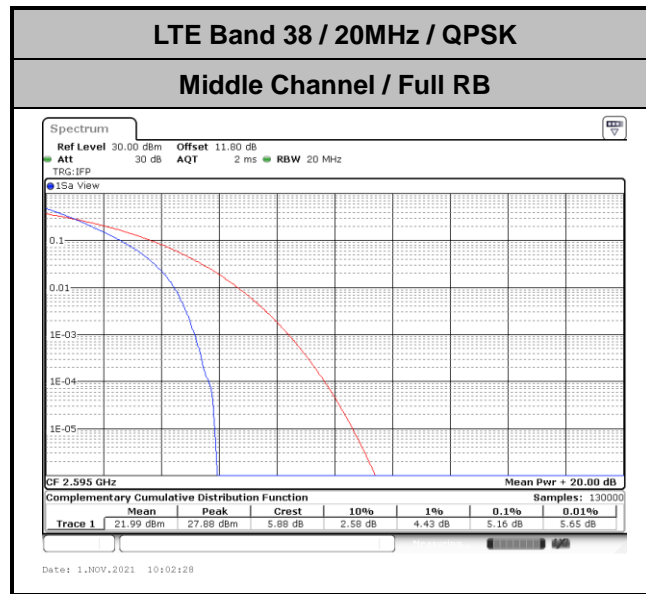
- 1. Normal Voltage =12.00 V. ; Battery End Point (BEP) =8.00 V. ; Maximum Voltage =40.00 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 38

## Peak-to-Average Ratio

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







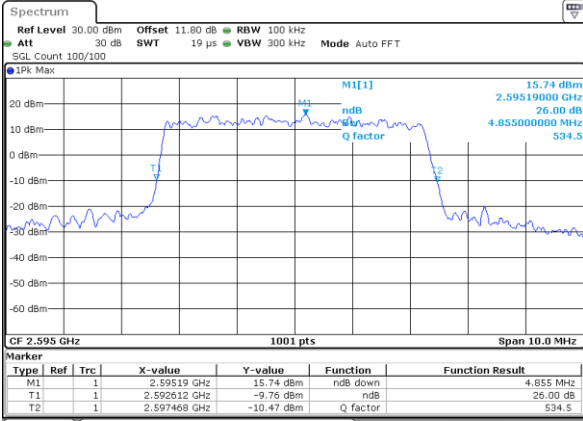
**26dB Bandwidth**

Mode	LTE Band 38 : 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	-	-	-	-	4.86	4.92	9.61	-	14.18	-	18.90	-
Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	-	-	-	-	-	-	-	-



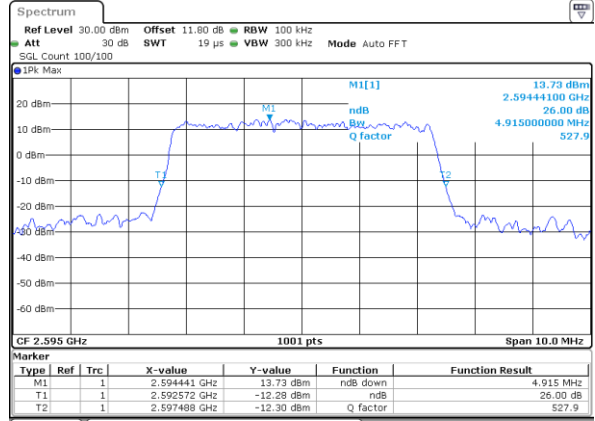
LTE Band 38

Middle Channel / 5MHz / QPSK



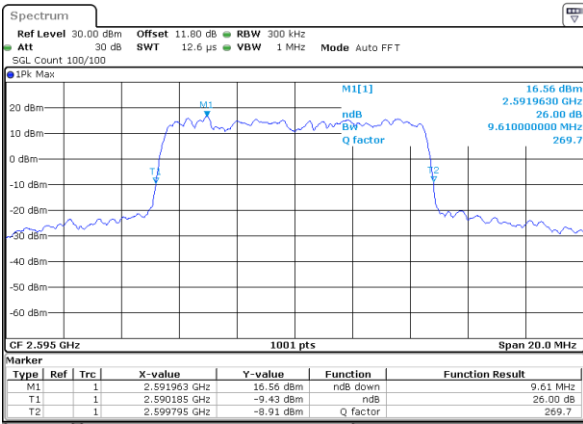
Date: 1.NOV.2021 09:52:33

Middle Channel / 5MHz / 16QAM



Date: 1.NOV.2021 09:52:54

Middle Channel / 10MHz / QPSK

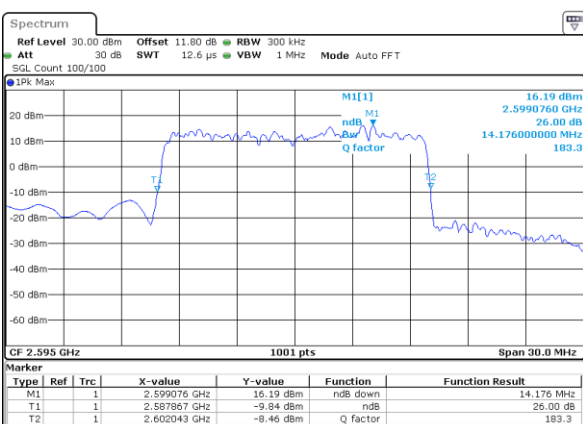


Date: 1.NOV.2021 09:53:37

Middle Channel / 10MHz / 16QAM

Left Blank

Middle Channel / 15MHz / QPSK



Date: 1.NOV.2021 09:54:19

Middle Channel / 15MHz / 16QAM

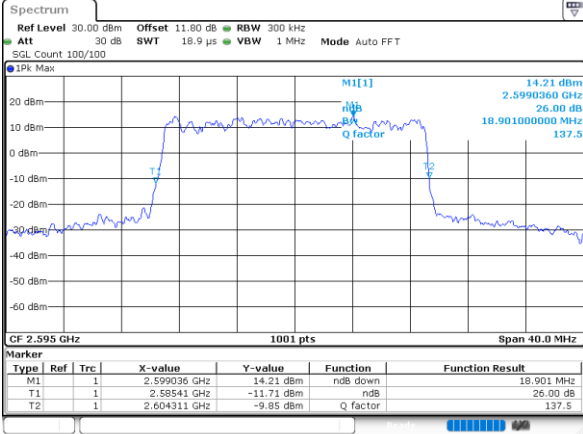
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LTE Band 38

Middle Channel / 20MHz / QPSK

Middle Channel / 20MHz / 16QAM



Left Blank



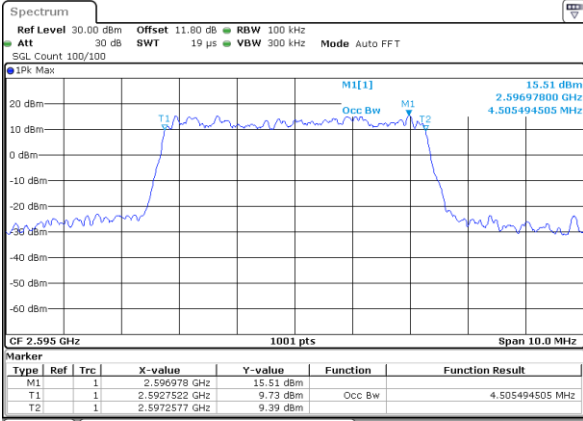
**Occupied Bandwidth**

Mode	LTE Band 38 : 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	-	-	-	-	4.51	4.53	8.93	-	13.46	-	17.78	-
Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	-	-	-	-	-	-	-	-



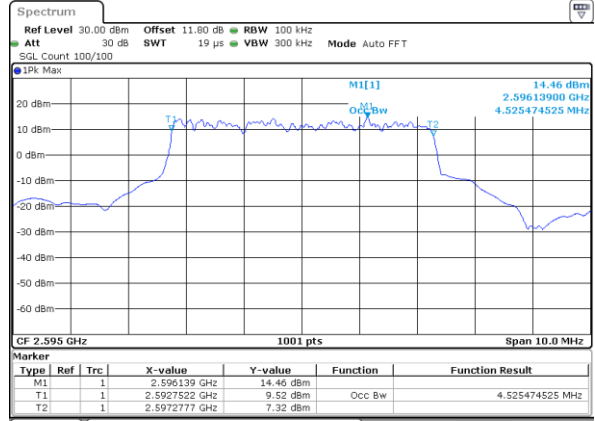
LTE Band 38

Middle Channel / 5MHz / QPSK



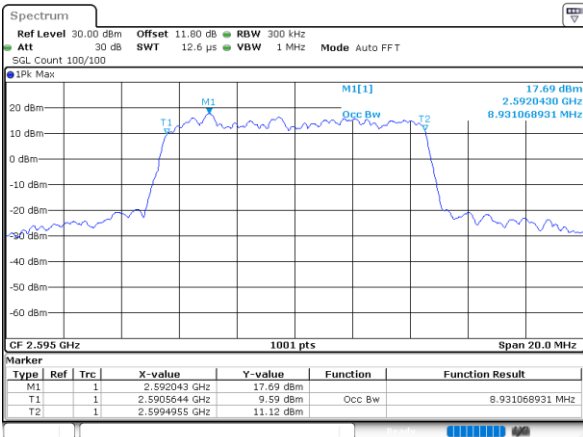
Date: 1.NOV.2021 09:51:51

Middle Channel / 5MHz / 16QAM



Date: 1.NOV.2021 09:52:12

Middle Channel / 10MHz / QPSK

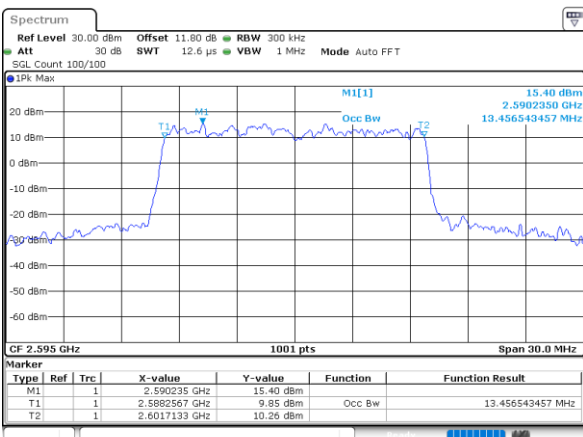


Date: 1.NOV.2021 09:53:16

Middle Channel / 10MHz / 16QAM

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Middle Channel / 15MHz / QPSK



Date: 1.NOV.2021 09:53:58

Middle Channel / 15MHz / 16QAM

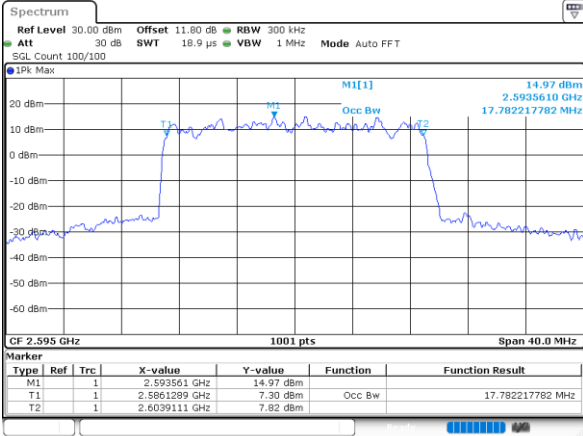
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LTE Band 38

Middle Channel / 20MHz / QPSK

Middle Channel / 20MHz / 16QAM



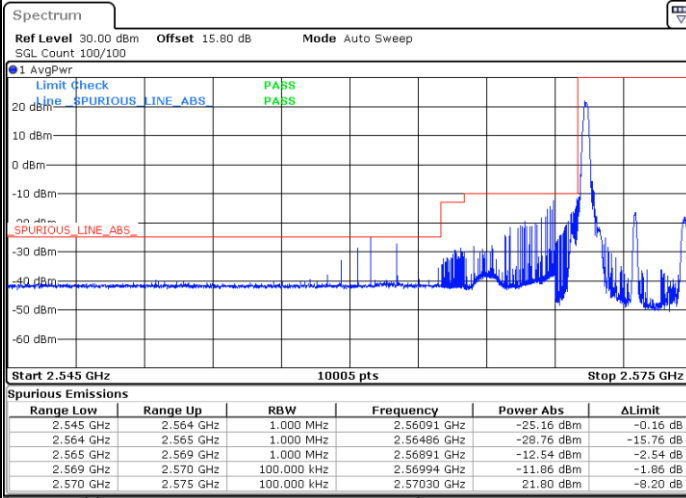
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# Conducted Band Edge

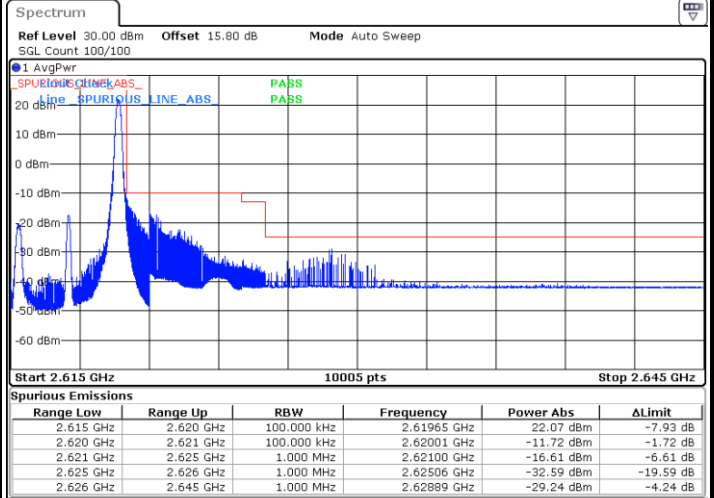
## LTE Band 38 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



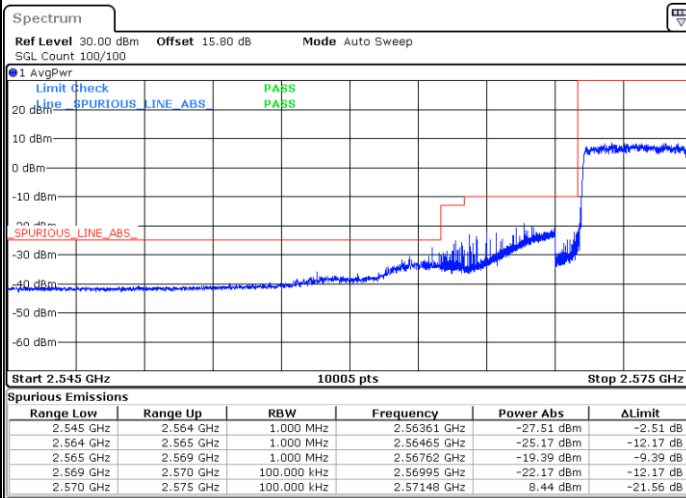
Date: 1.NOV.2021 08:26:15

### Highest Band Edge / 1 RB



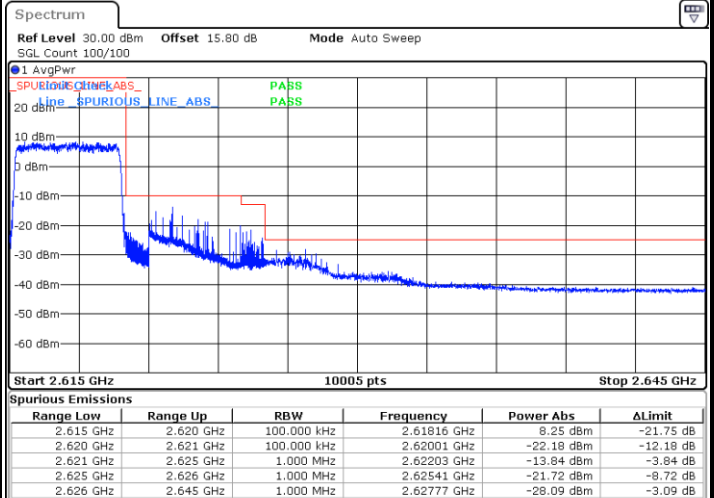
Date: 1.NOV.2021 09:34:32

### Lowest Band Edge / Full RB



Date: 1.NOV.2021 08:27:37

### Highest Band Edge / Full RB



Date: 1.NOV.2021 08:28:59