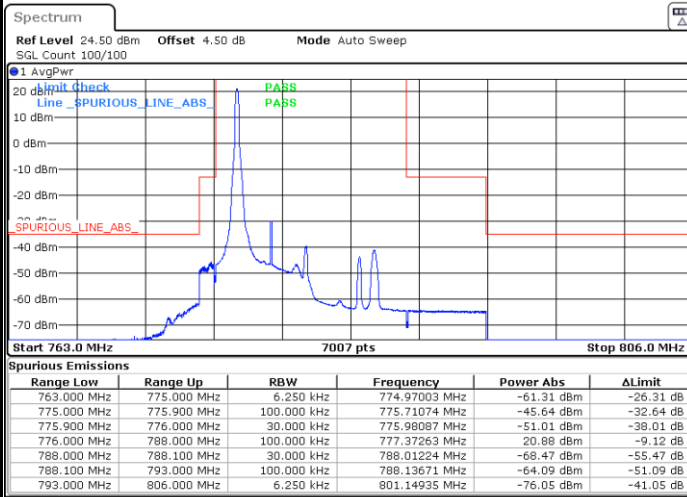




# Conducted Band Edge

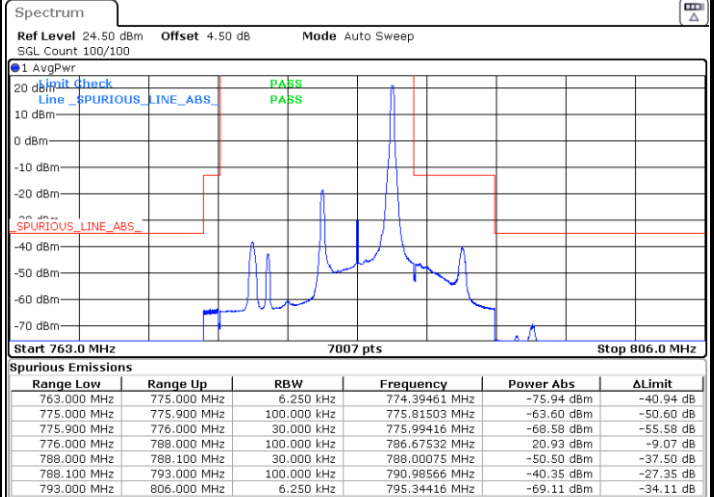
## LTE Band 13 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



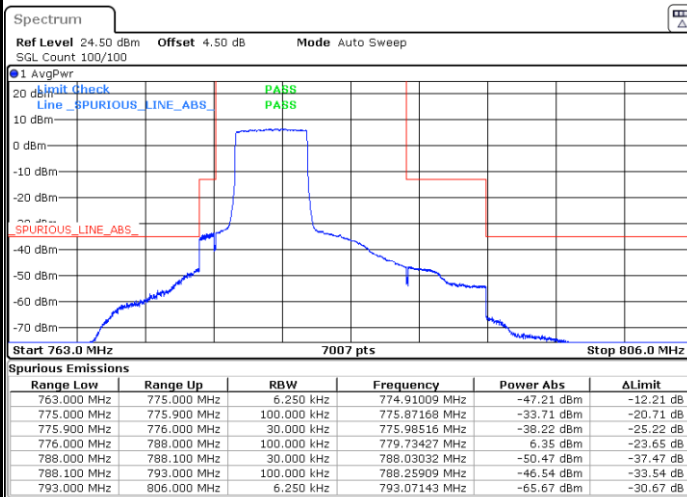
Date: 5 NOV. 2021 18:31:14

### Highest Band Edge / 1 RB



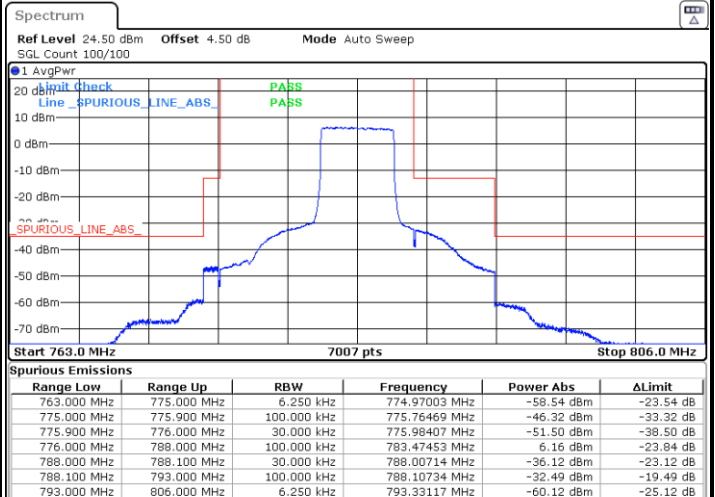
Date: 5 NOV. 2021 18:37:20

### Lowest Band Edge / Full RB



Date: 5 NOV. 2021 18:34:40

### Highest Band Edge / Full RB



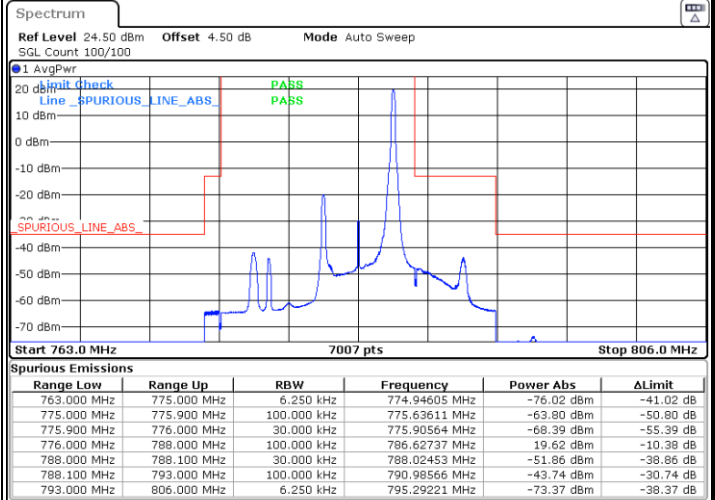
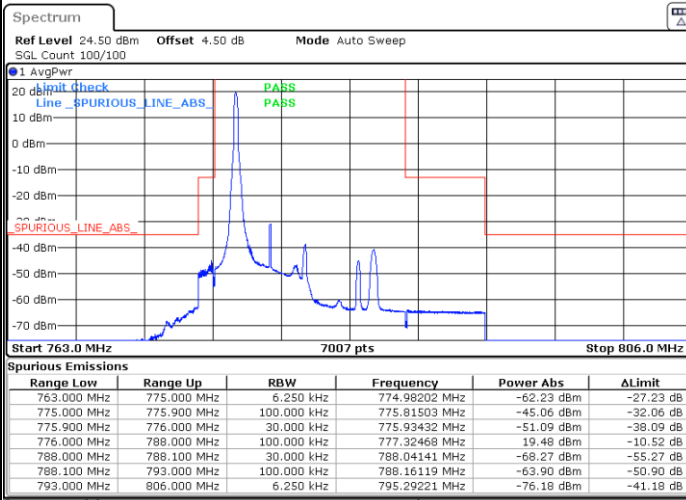
Date: 5 NOV. 2021 18:40:52



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

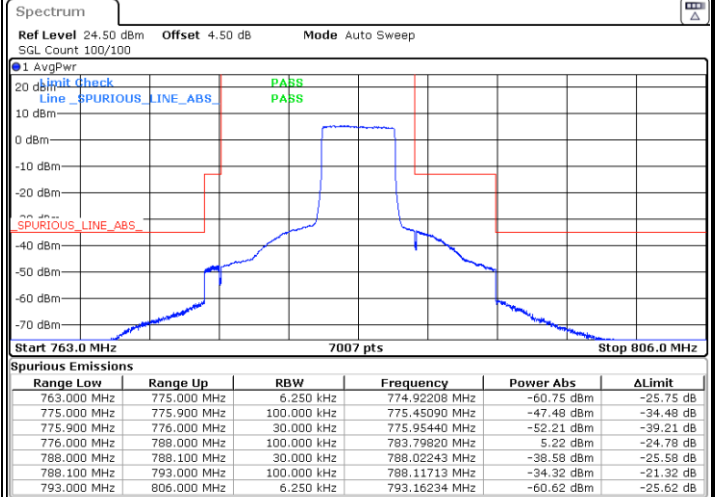
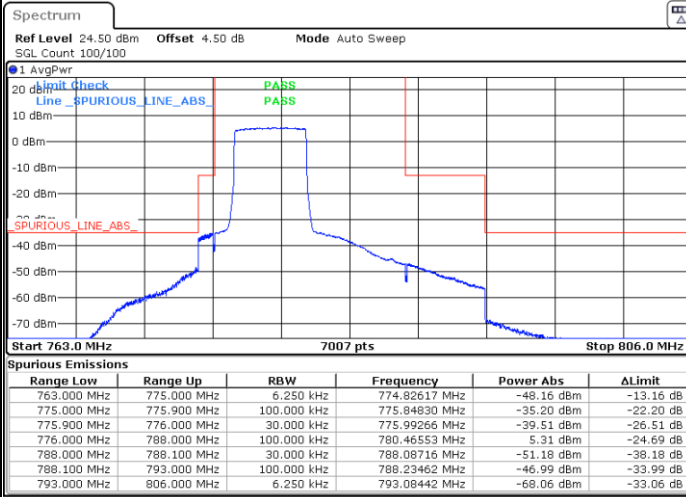


Date: 5 NOV 2021 18:32:21

Date: 5 NOV 2021 18:38:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



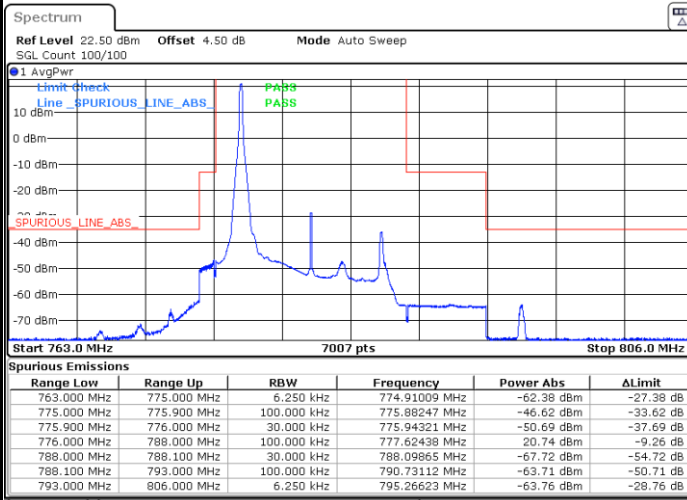
Date: 5 NOV 2021 18:33:33

Date: 5 NOV 2021 18:39:40



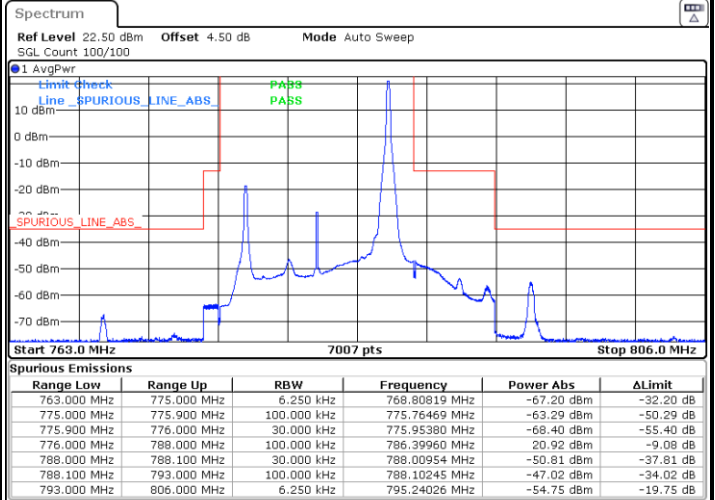
LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB



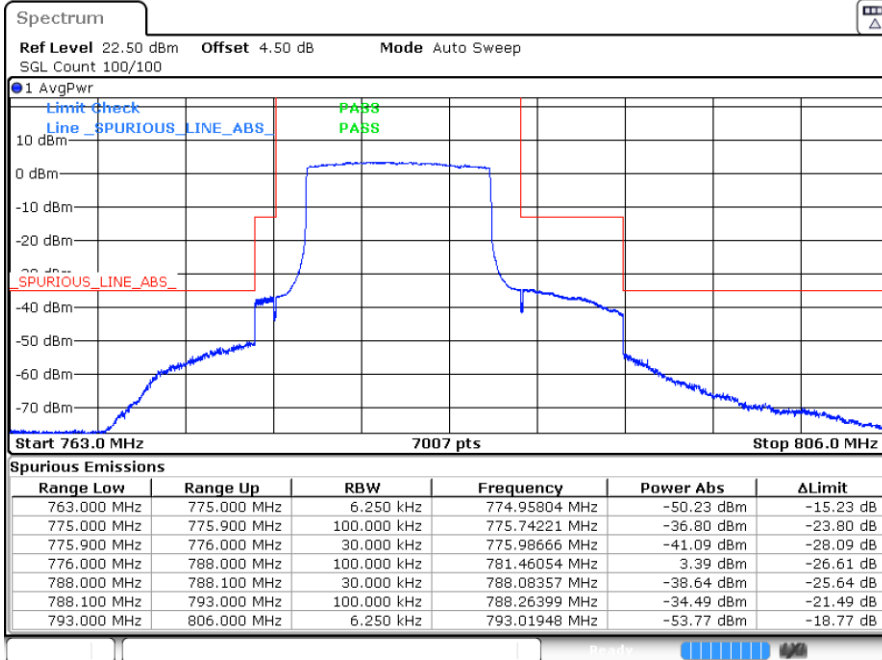
Date: 5.NOV.2021 18:21:33

middle Band Edge / 1 RB



Date: 5.NOV.2021 18:27:18

Middle Band Edge / Full RB

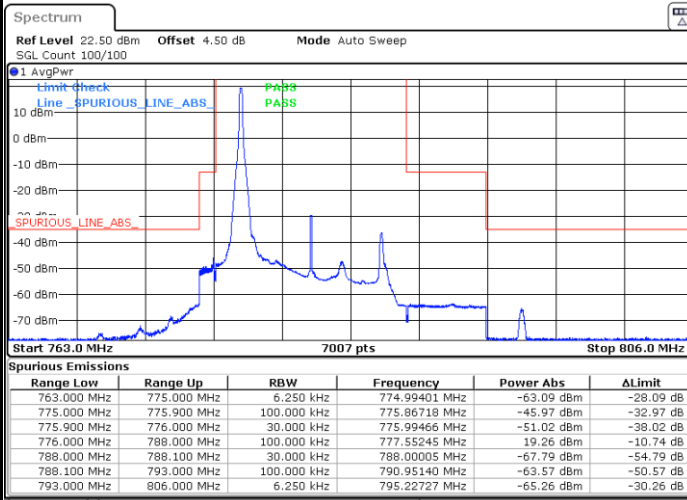


Date: 5.NOV.2021 18:25:44



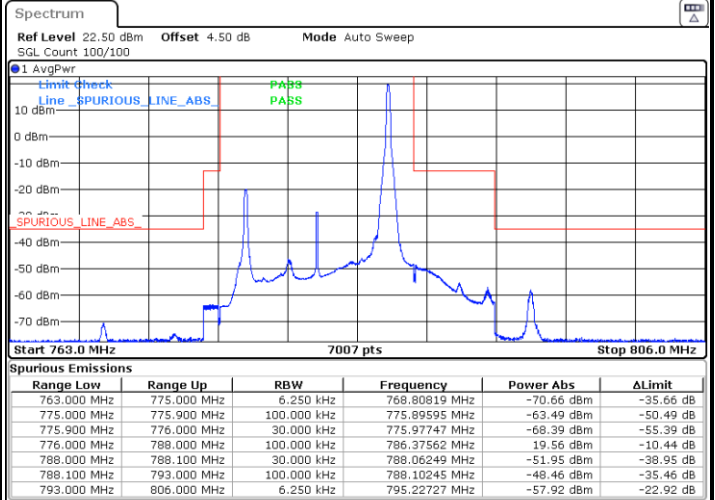
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



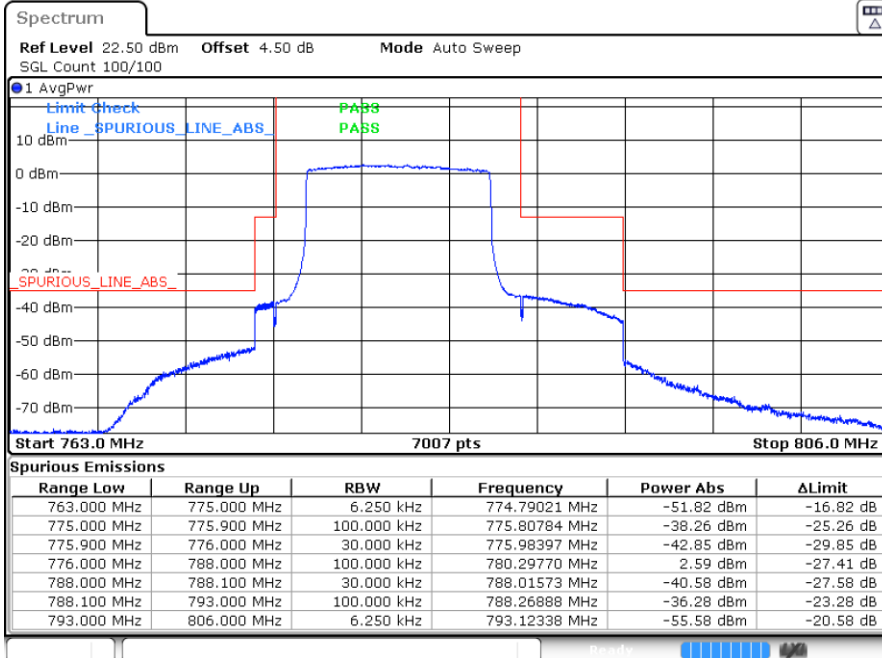
Date: 5.NOV.2021 18:22:42

middle Band Edge / 1 RB



Date: 5.NOV.2021 18:28:26

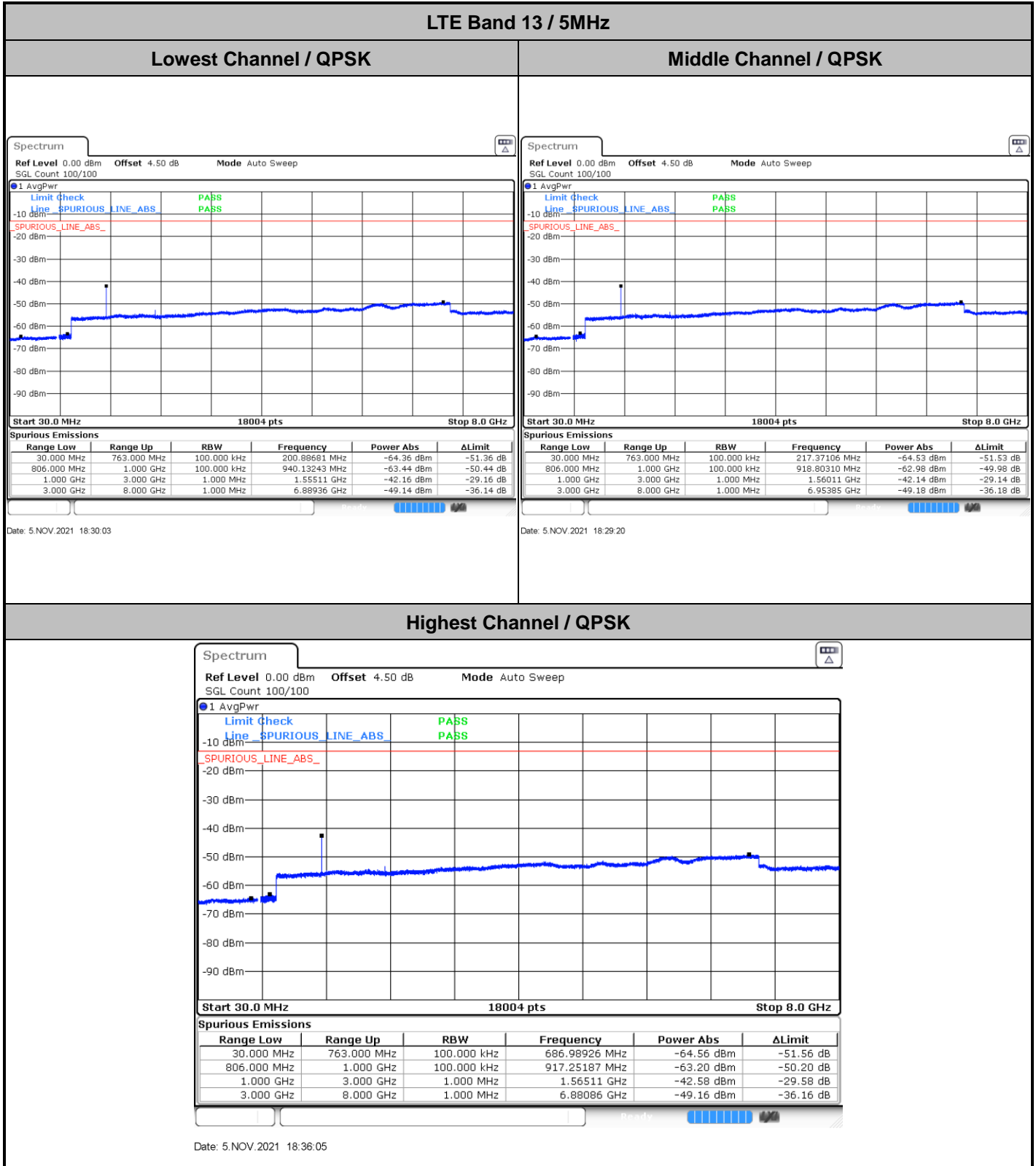
middle Band Edge / Full RB



Date: 5.NOV.2021 18:23:57



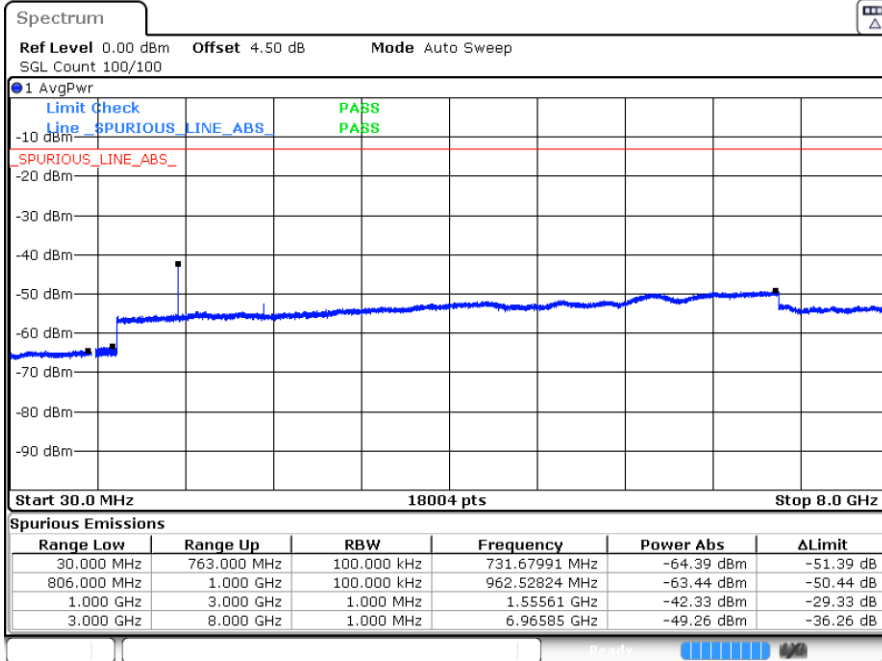
# Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 5.NOV.2021 18:18:04



### 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	0.0000	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0010	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0010	
20	End Point	0.0002	

**Note:**

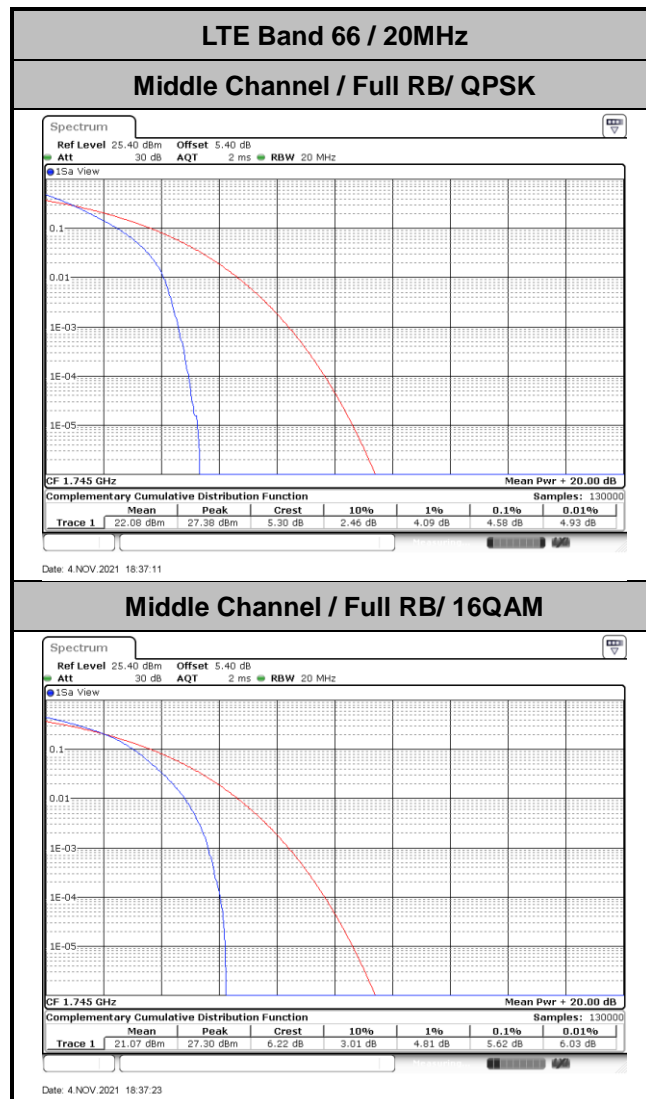
1. Normal Voltage =13 V. ; End Point (BEP) =12 V. ; Maximum Voltage =20 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 66

## Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.58	5.62	PASS

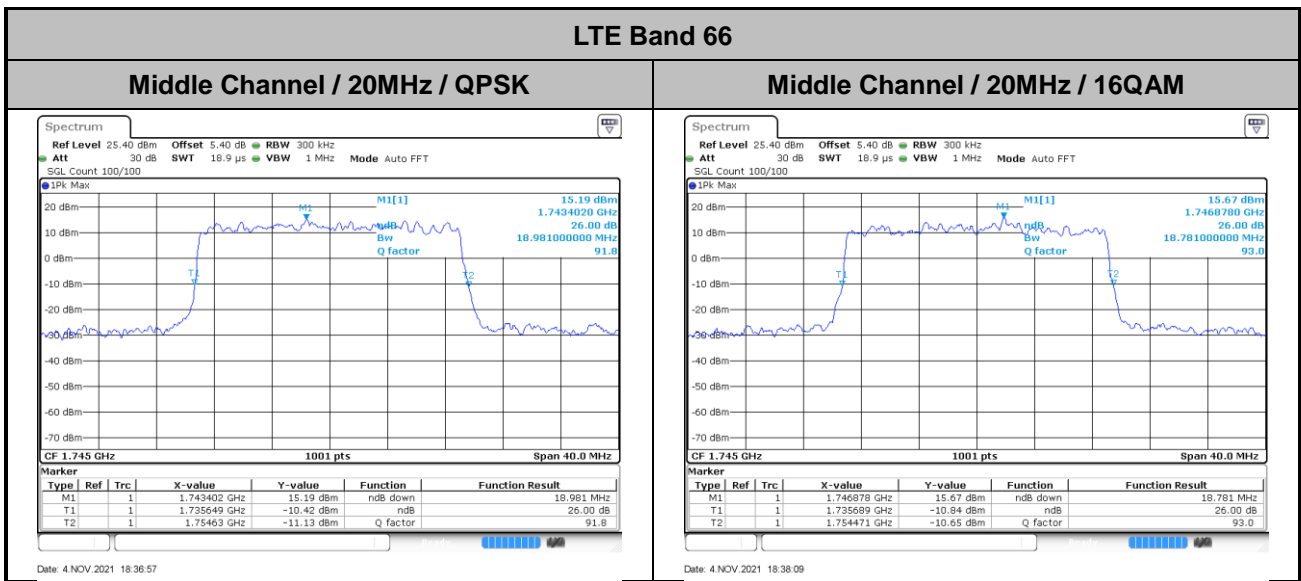






## 26dB Bandwidth

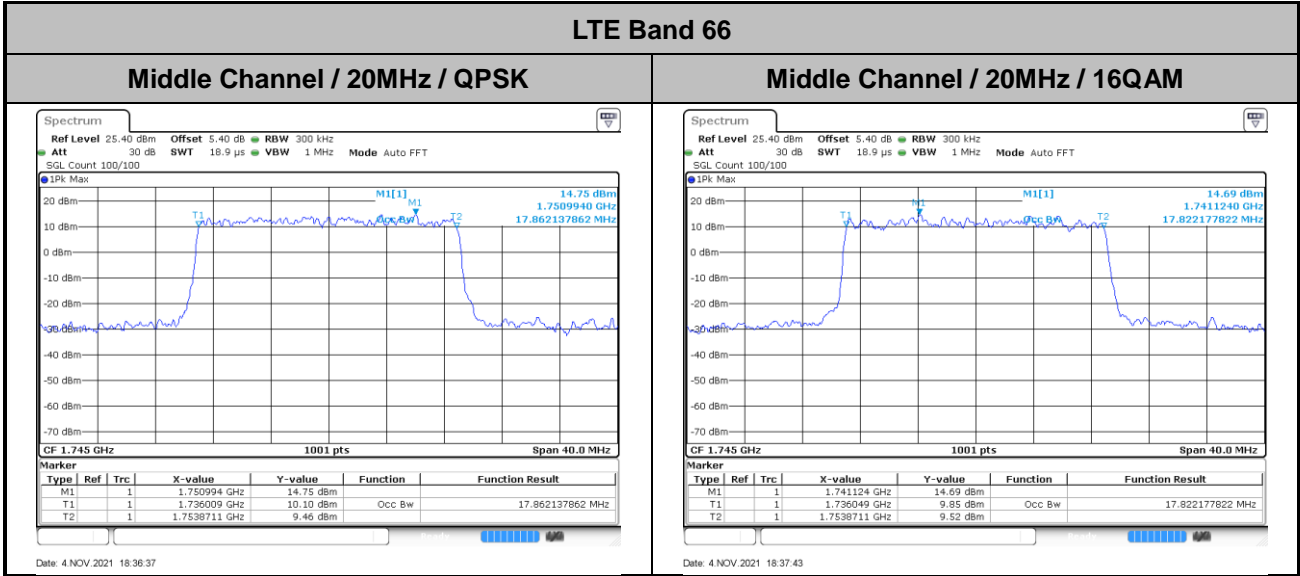
Mode	LTE Band 66 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.98	18.78





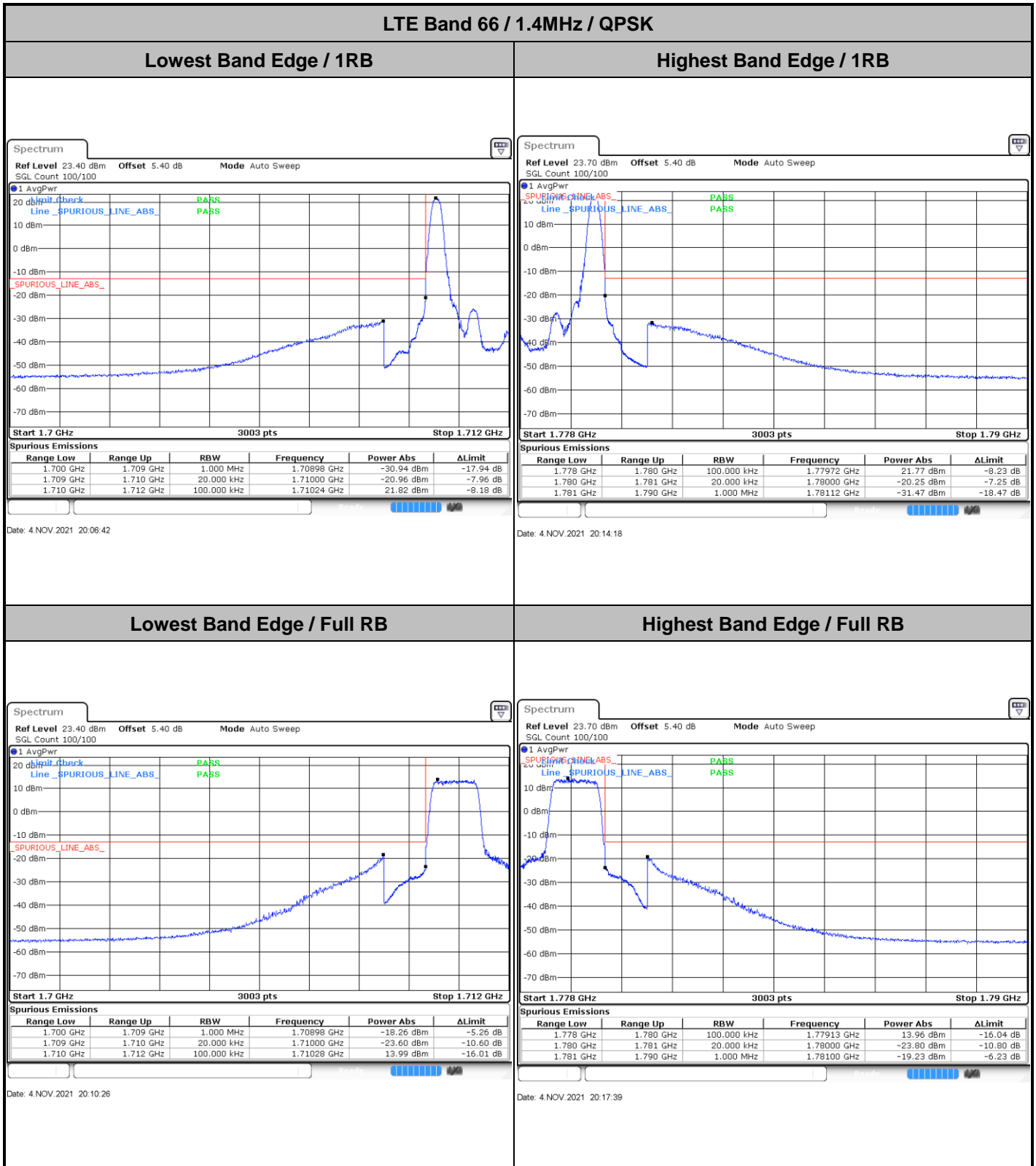
# Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.82





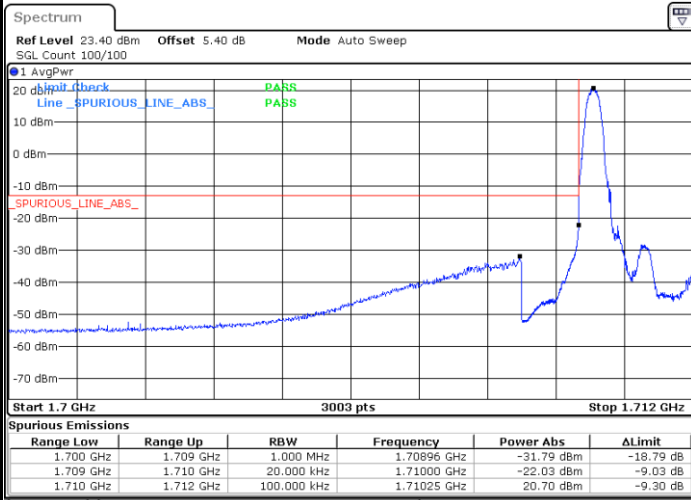
# Conducted Band Edge





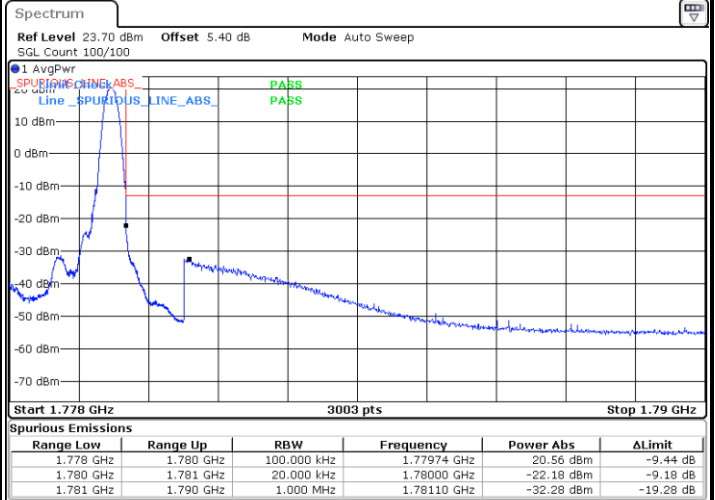
LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



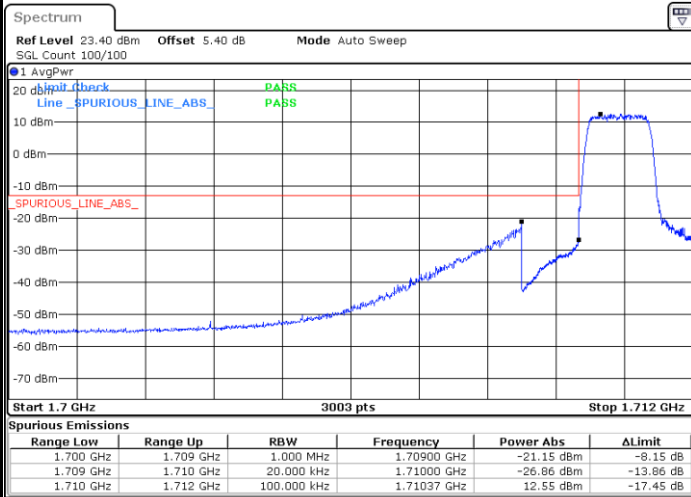
Date: 4 NOV. 2021 20:08:08

Highest Band Edge / 1 RB



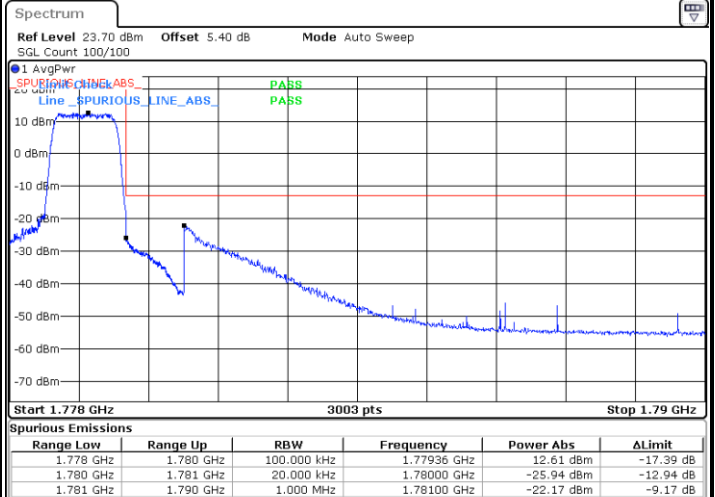
Date: 4 NOV. 2021 20:15:24

Lowest Band Edge / Full RB



Date: 4 NOV. 2021 20:09:21

Highest Band Edge / Full RB

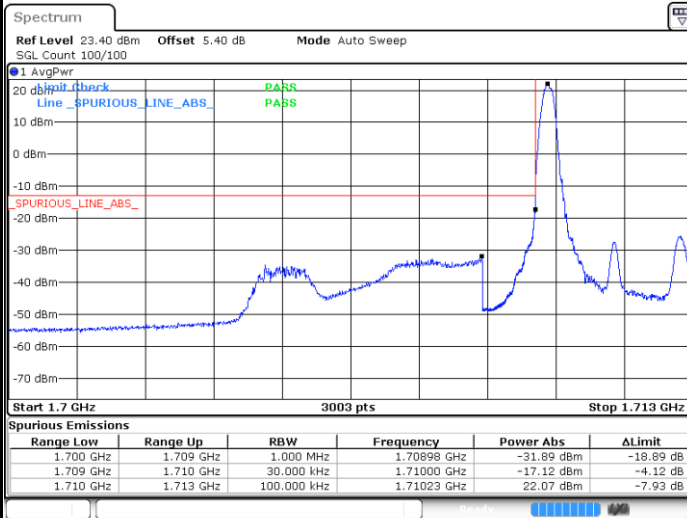


Date: 4 NOV. 2021 20:16:31



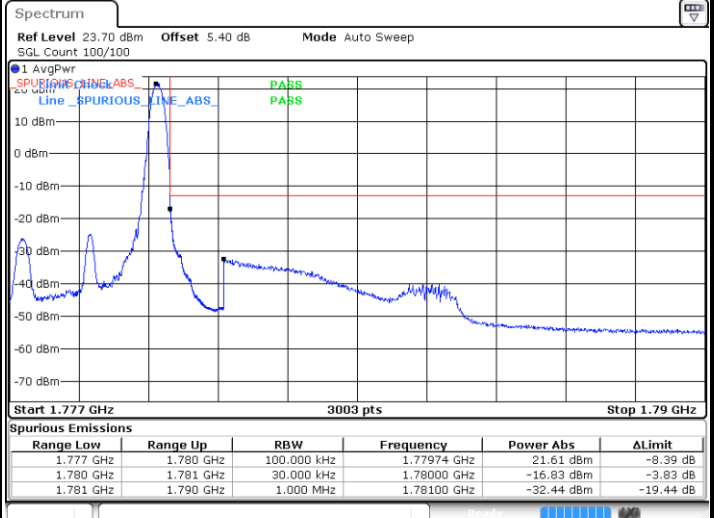
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / 1RB



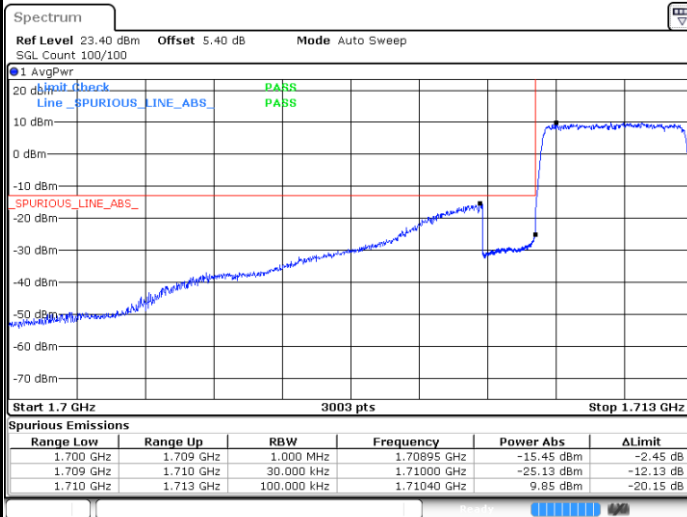
Date: 4 NOV. 2021 19:58:11

Highest Band Edge / 1 RB



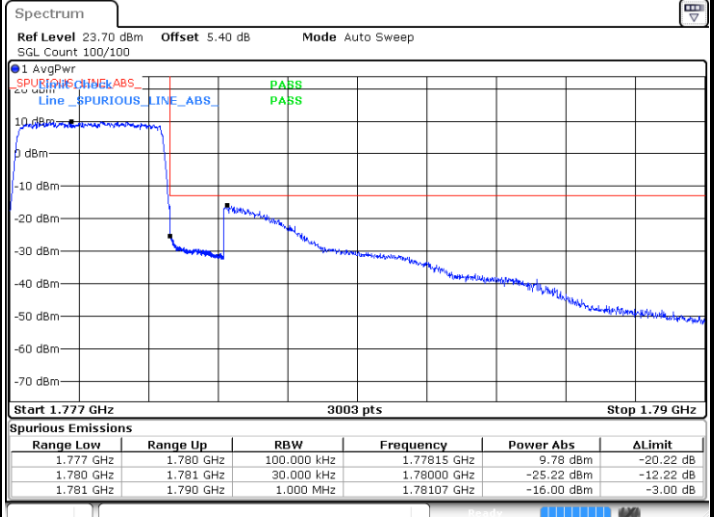
Date: 4 NOV. 2021 19:53:33

Lowest Band Edge / Full RB



Date: 4 NOV. 2021 20:00:56

Highest Band Edge / Full RB

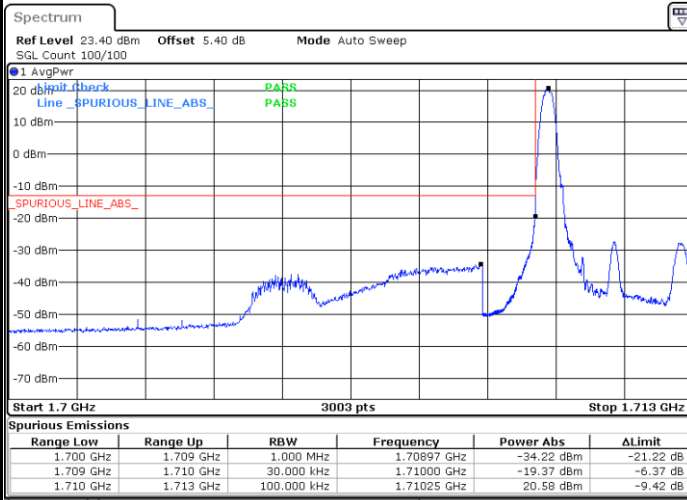


Date: 4 NOV. 2021 19:51:35



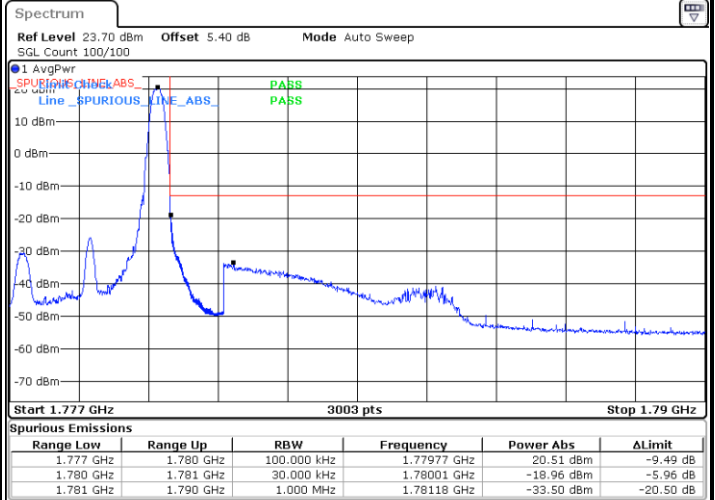
LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



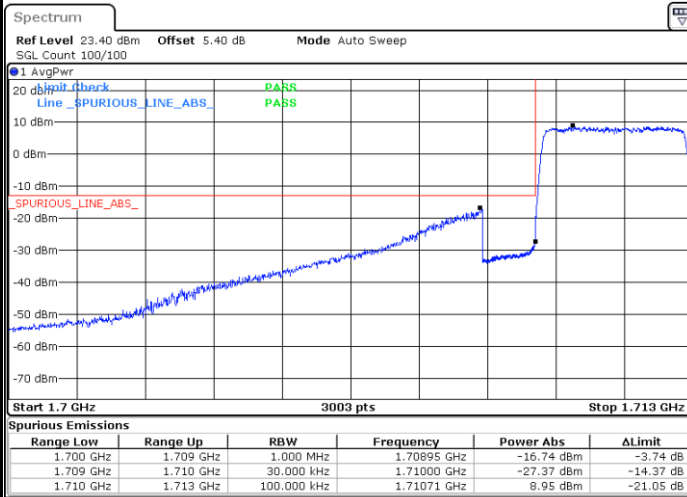
Date: 4 NOV. 2021 19:59:09

Highest Band Edge / 1 RB



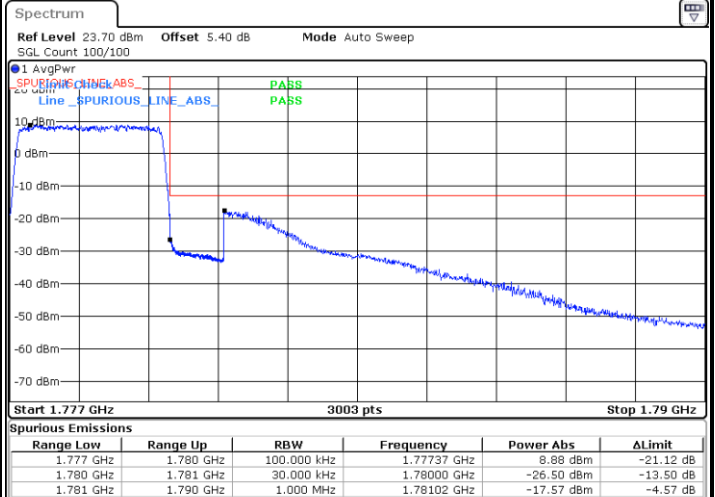
Date: 4 NOV. 2021 19:54:22

Lowest Band Edge / Full RB



Date: 4 NOV. 2021 20:01:53

Highest Band Edge / Full RB

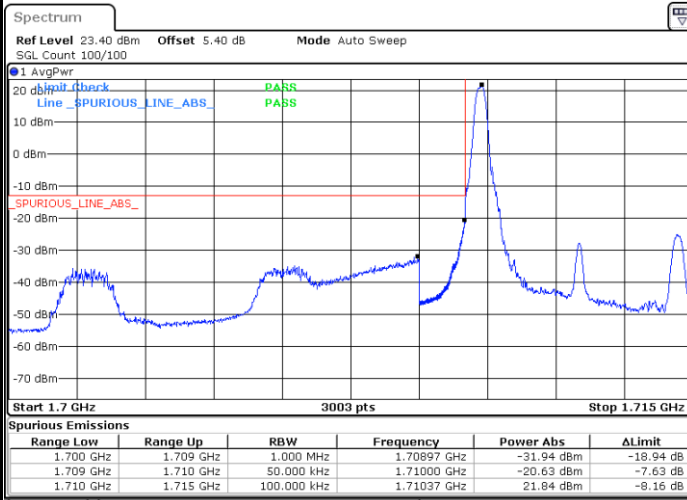


Date: 4 NOV. 2021 19:52:12



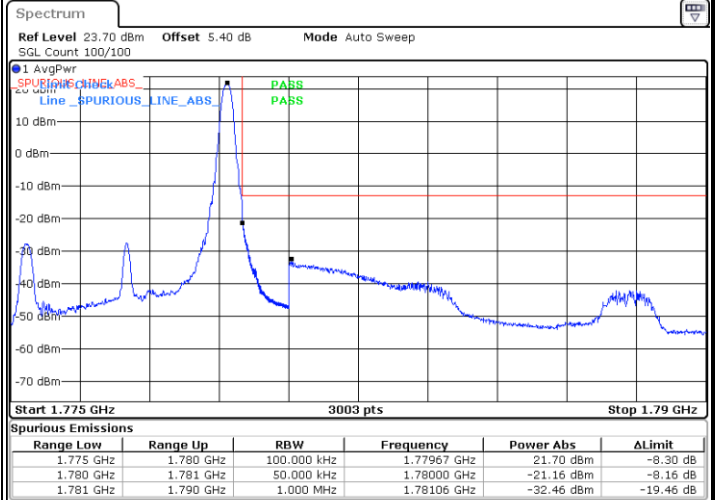
LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / 1 RB



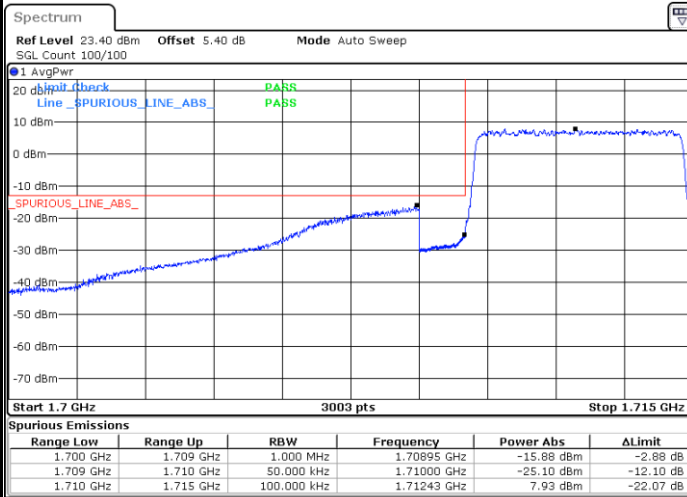
Date: 4 NOV. 2021 19:38:35

Highest Band Edge / 1 RB



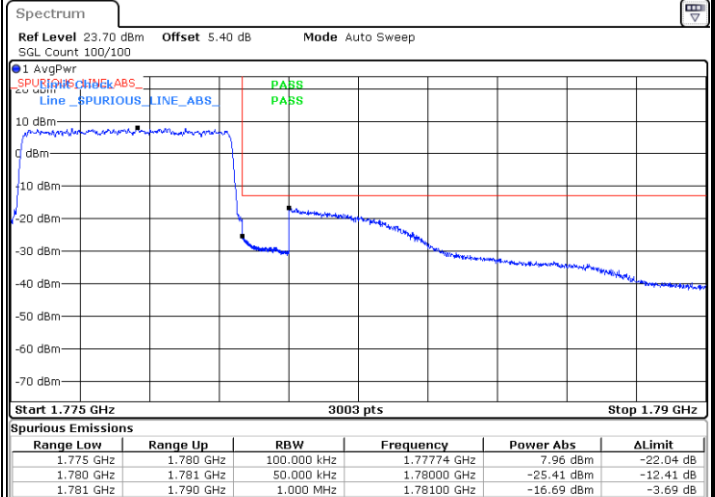
Date: 4 NOV. 2021 19:42:55

Lowest Band Edge / Full RB



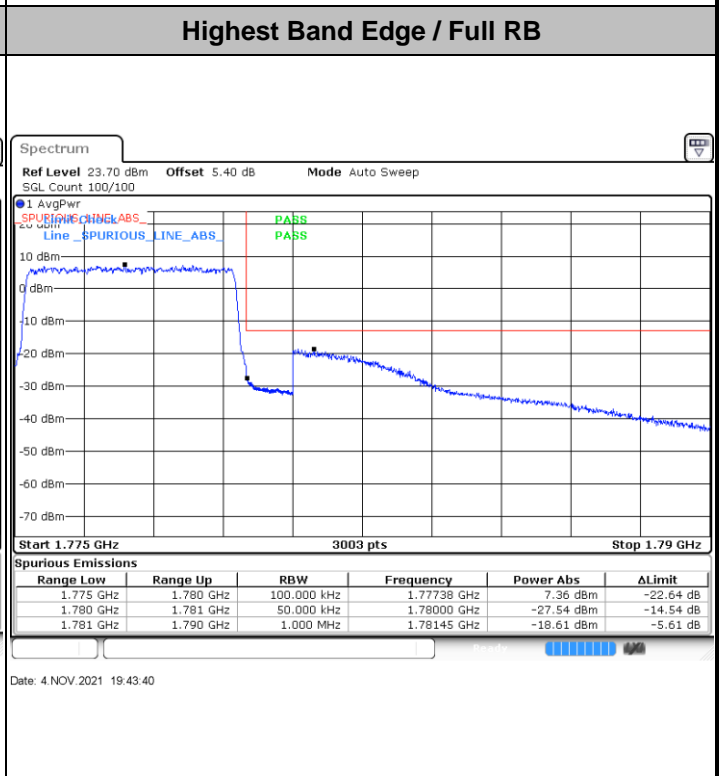
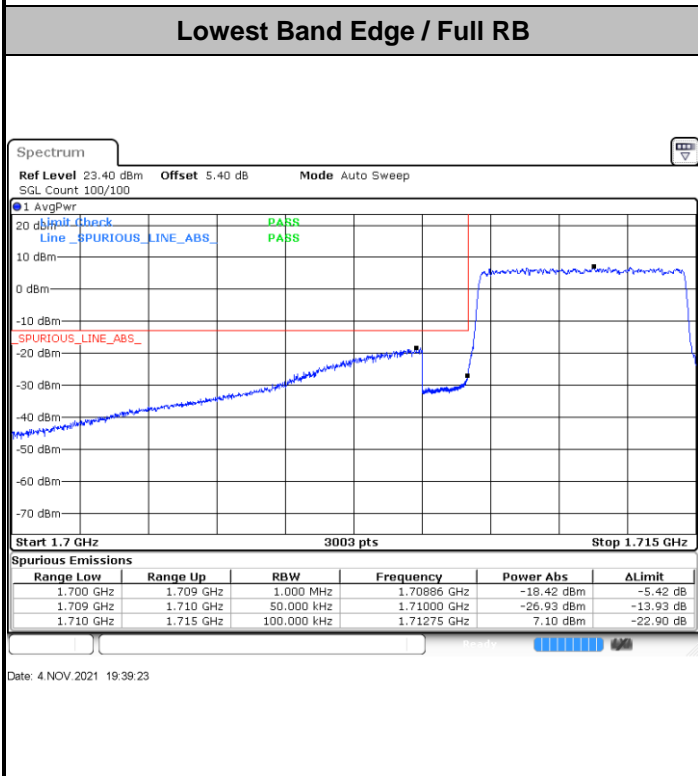
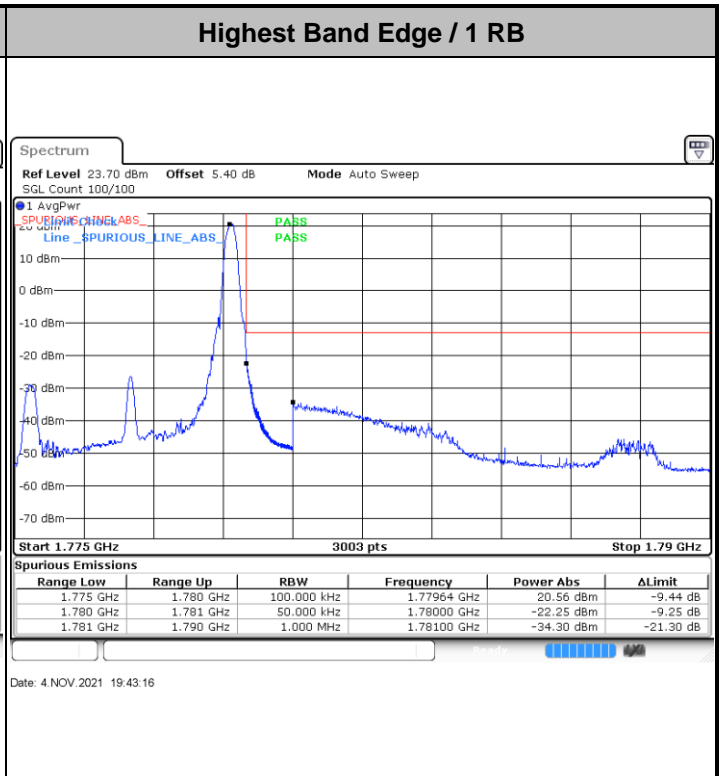
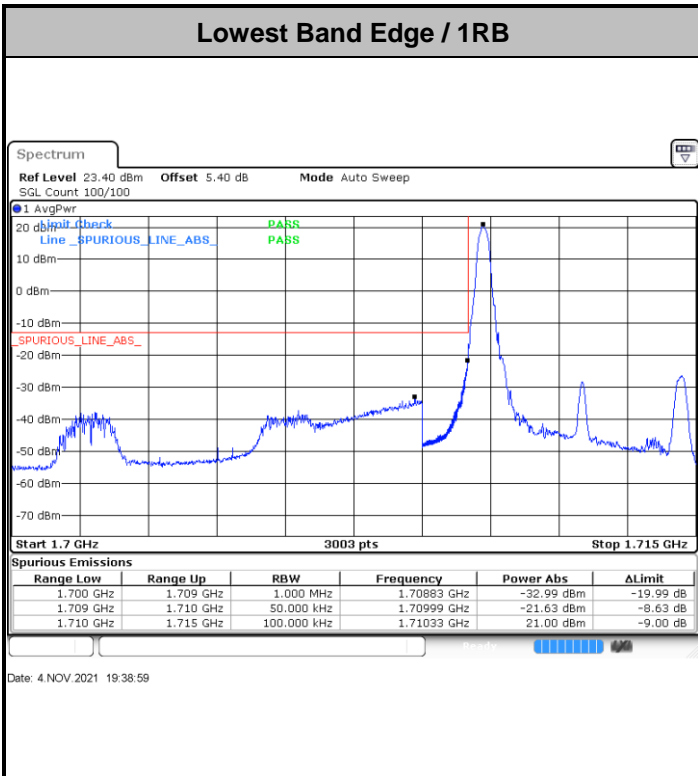
Date: 4 NOV. 2021 19:39:44

Highest Band Edge / Full RB



Date: 4 NOV. 2021 19:44:02

LTE Band 66 / 5MHz / 16QAM

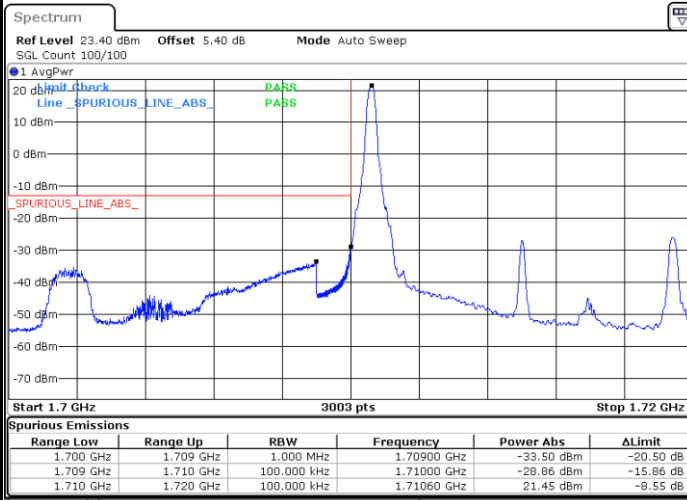






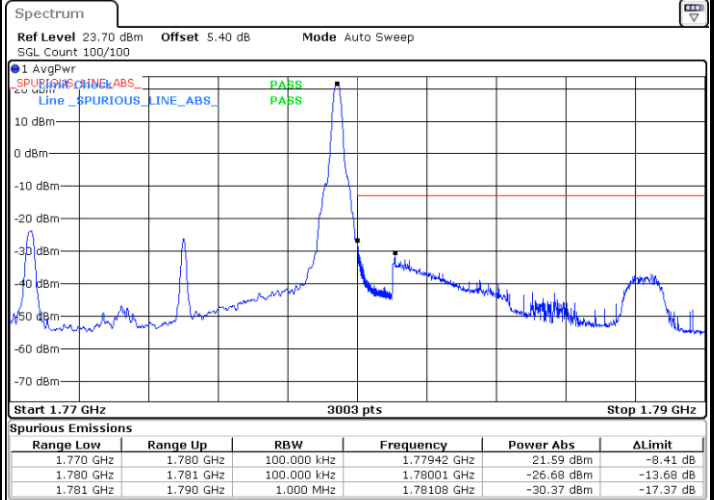
LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / 1 RB



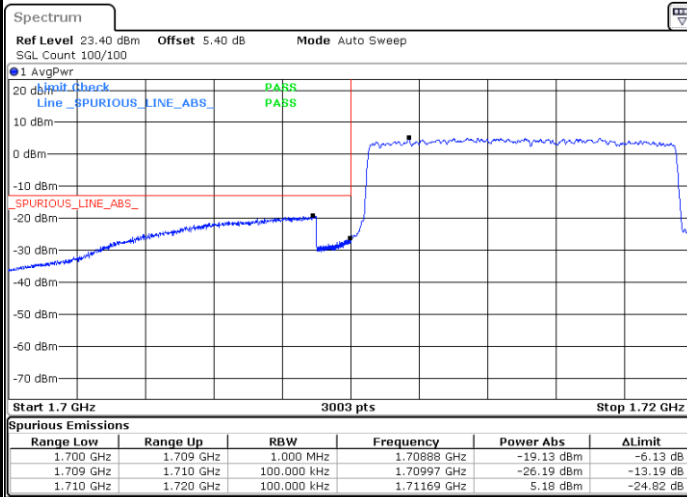
Date: 4 NOV. 2021 19:31:19

Highest Band Edge / 1 RB



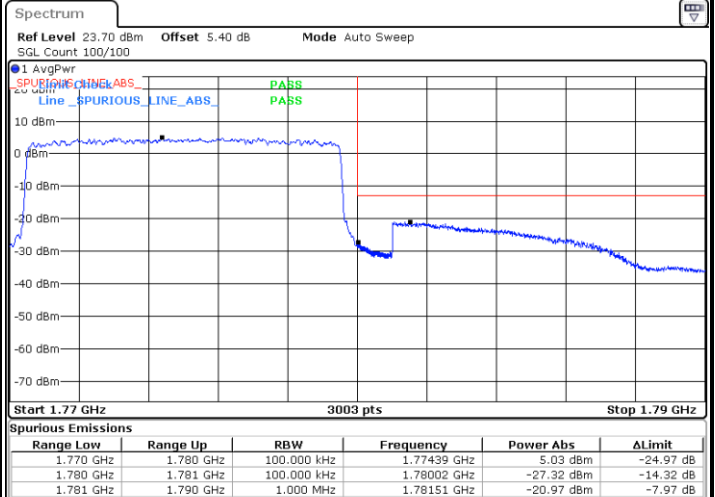
Date: 4 NOV. 2021 19:33:51

Lowest Band Edge / Full RB



Date: 4 NOV. 2021 19:32:14

Highest Band Edge / Full RB

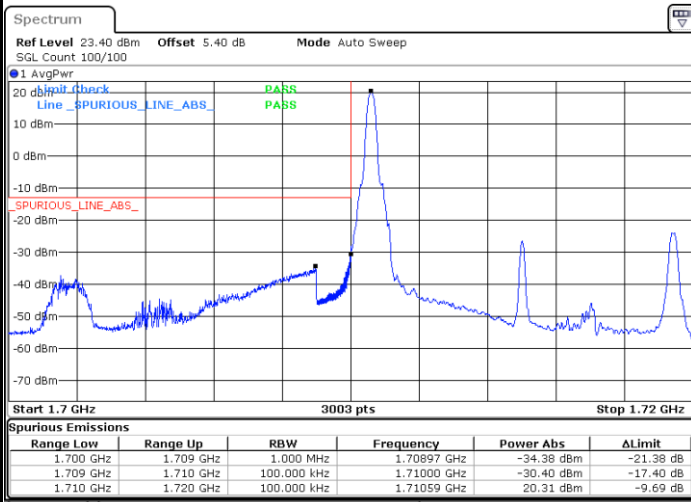


Date: 4 NOV. 2021 19:34:48



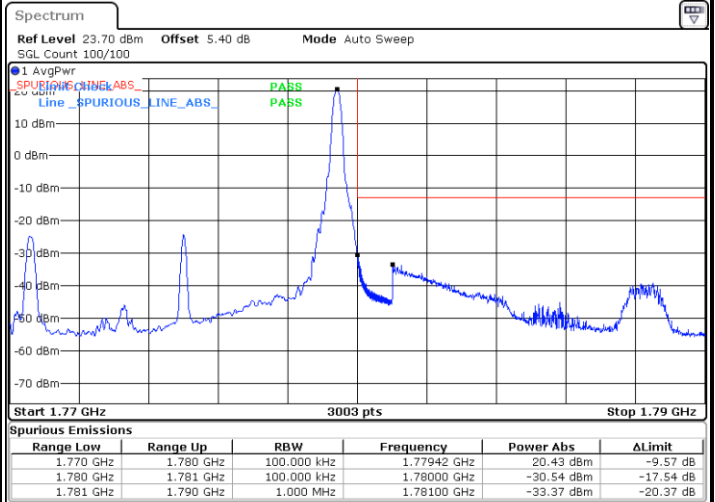
LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



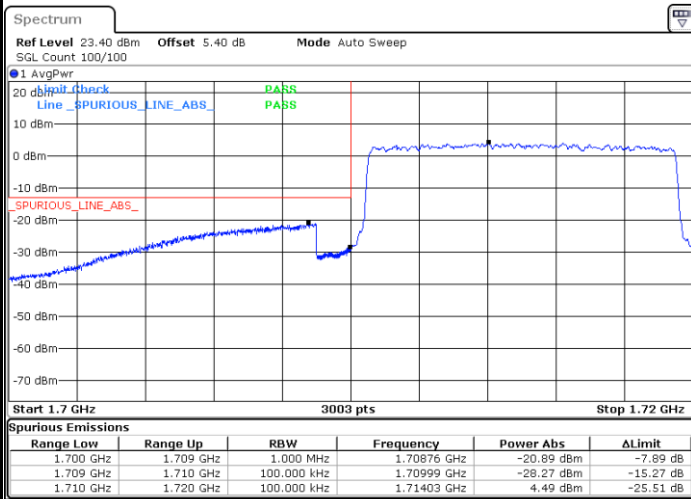
Date: 4 NOV. 2021 19:31:36

Highest Band Edge / 1 RB



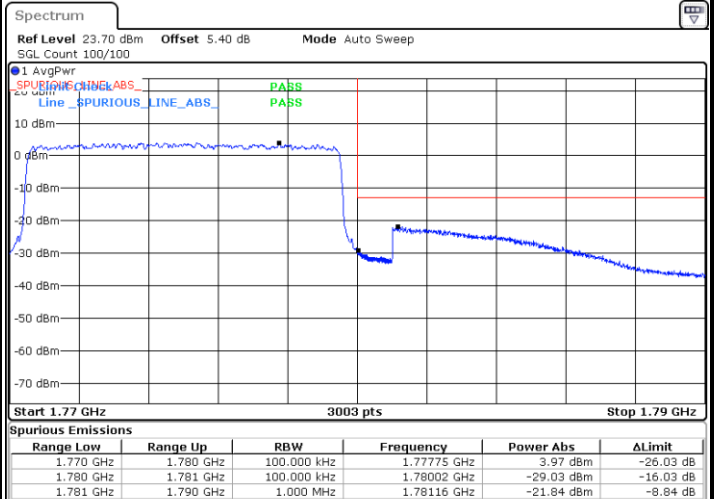
Date: 4 NOV. 2021 19:34:08

Lowest Band Edge / Full RB



Date: 4 NOV. 2021 19:31:58

Highest Band Edge / Full RB

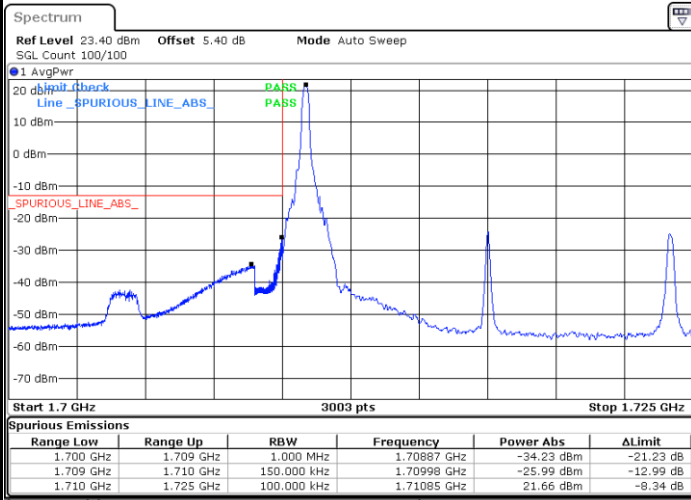


Date: 4 NOV. 2021 19:34:28



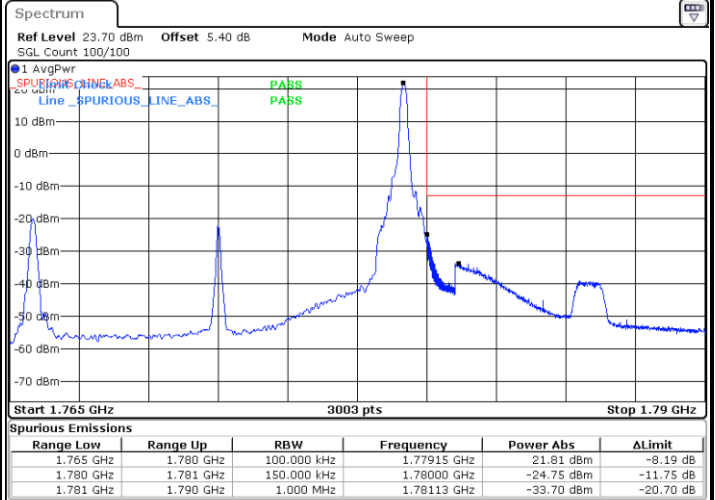
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1 RB



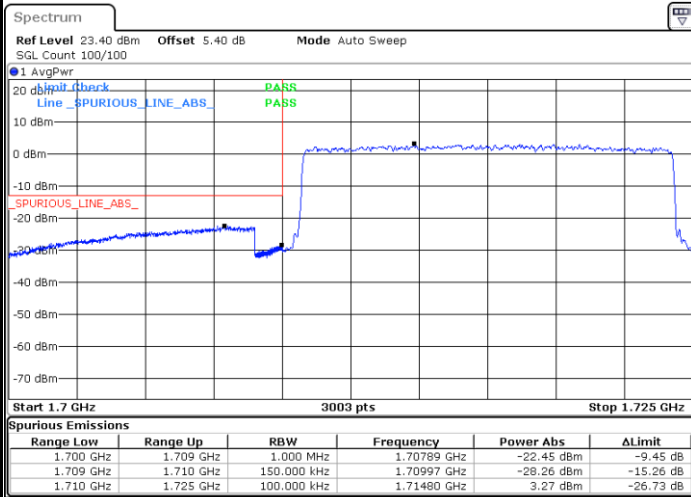
Date: 4 NOV. 2021 19:20:39

Highest Band Edge / 1 RB



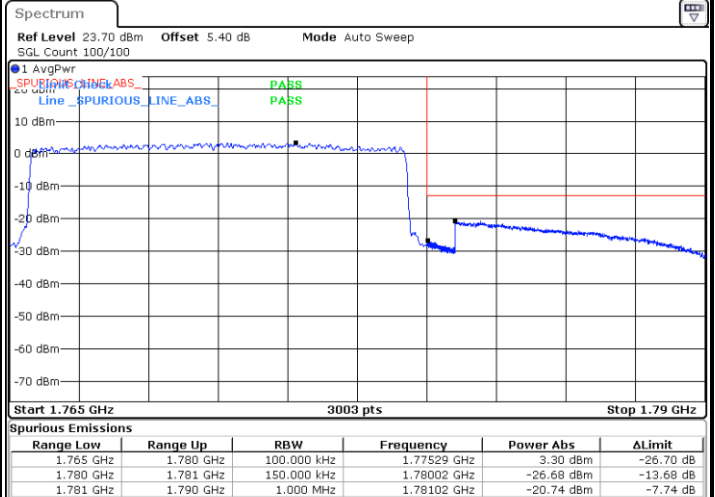
Date: 4 NOV. 2021 19:23:12

Lowest Band Edge / Full RB



Date: 4 NOV. 2021 19:21:29

Highest Band Edge / Full RB

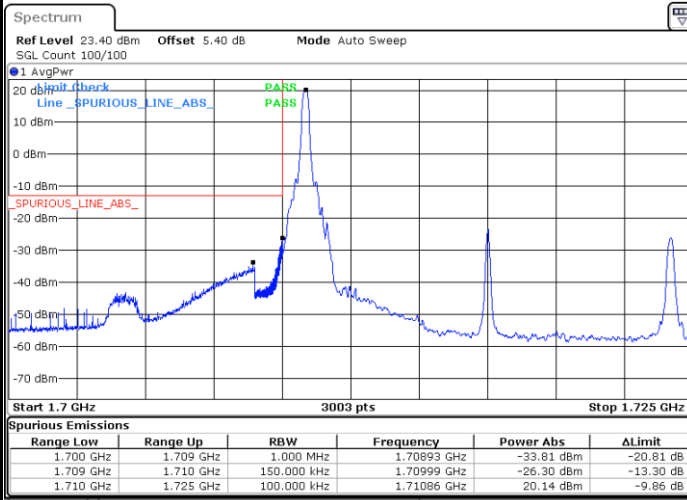


Date: 4 NOV. 2021 19:25:29



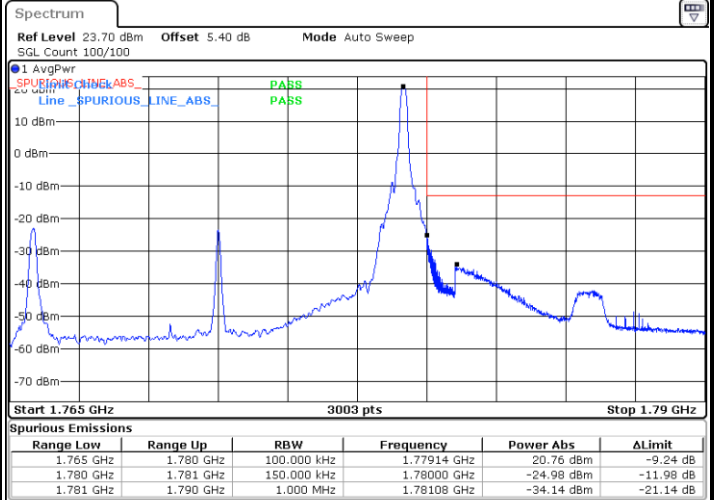
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



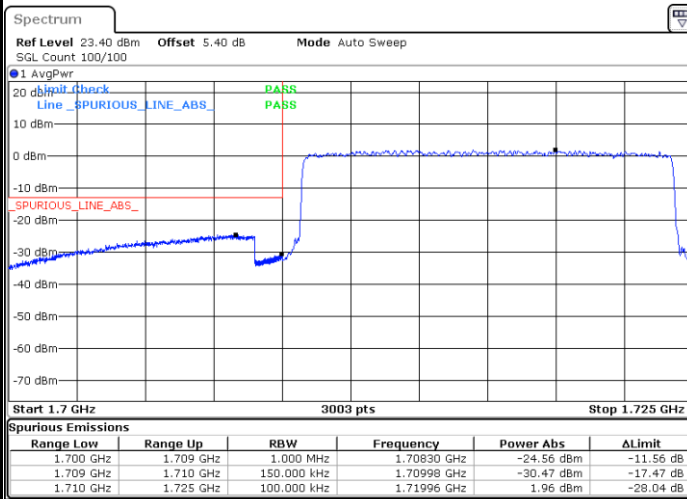
Date: 4 NOV. 2021 19:20:58

Highest Band Edge / 1 RB



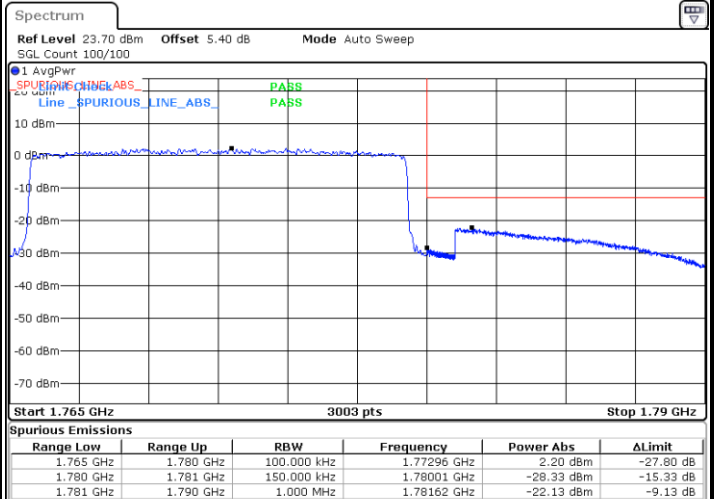
Date: 4 NOV. 2021 19:24:43

Lowest Band Edge / Full RB



Date: 4 NOV. 2021 19:21:14

Highest Band Edge / Full RB

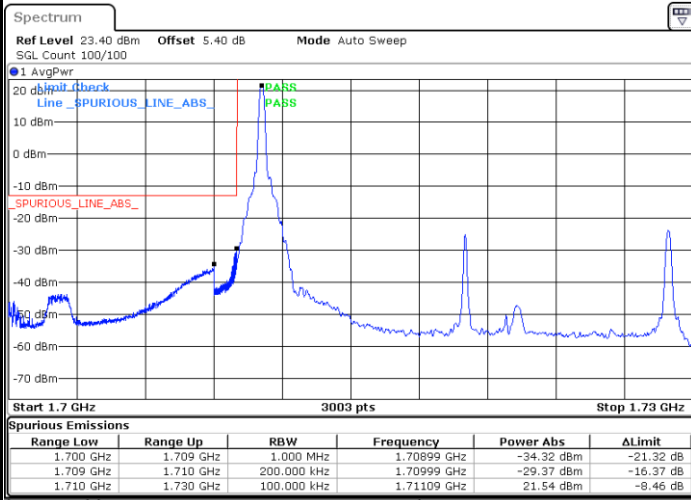


Date: 4 NOV. 2021 19:25:13



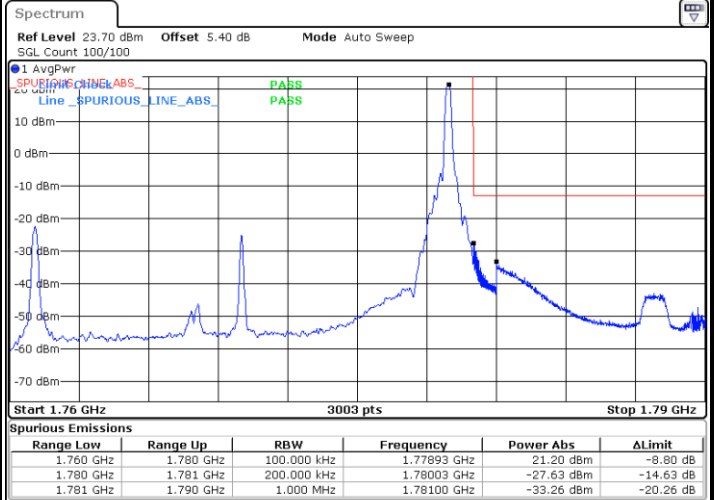
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



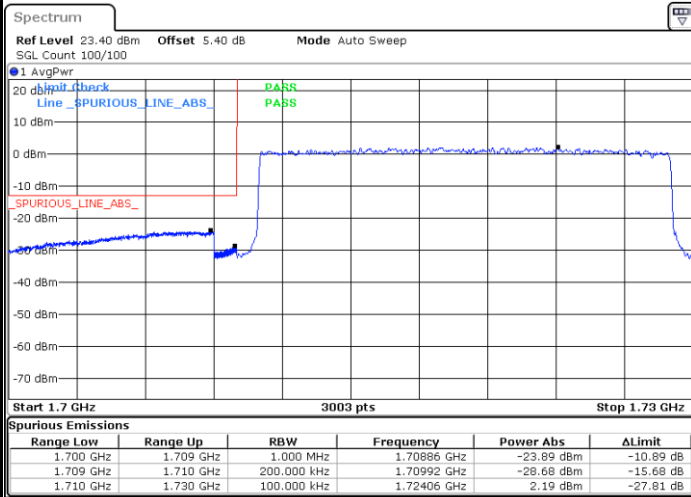
Date: 4 NOV. 2021 19:10:42

Highest Band Edge / 1 RB



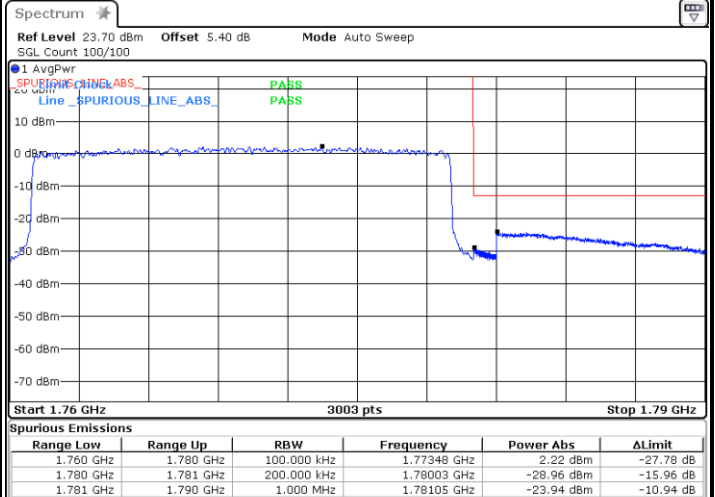
Date: 4 NOV. 2021 19:13:46

Lowest Band Edge / Full RB



Date: 4 NOV. 2021 19:12:15

Highest Band Edge / Full RB

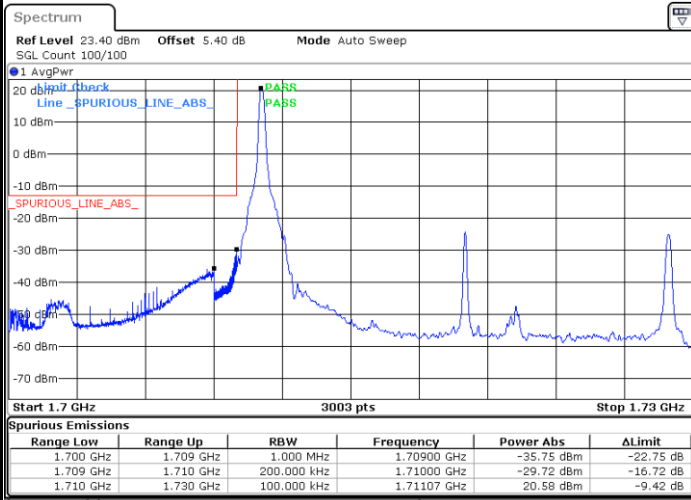


Date: 4 NOV. 2021 19:12:59



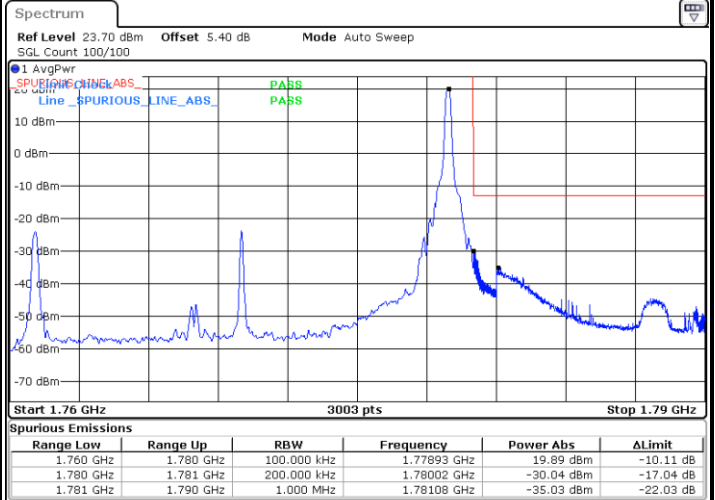
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



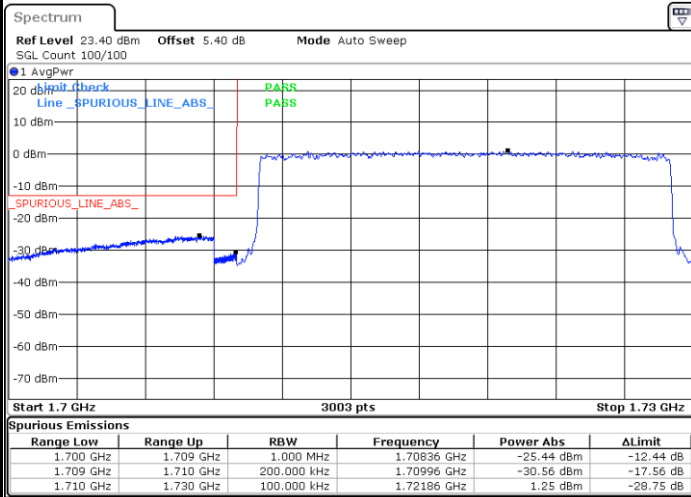
Date: 4 NOV 2021 19:11:10

Highest Band Edge / 1 RB



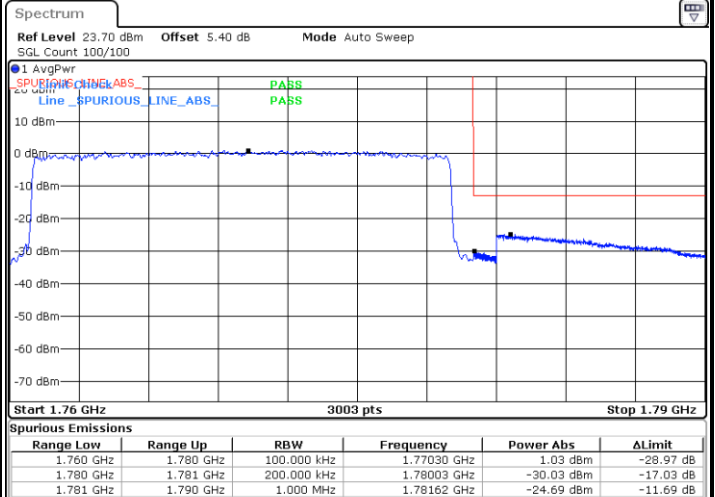
Date: 4 NOV 2021 19:13:32

Lowest Band Edge / Full RB



Date: 4 NOV 2021 19:11:27

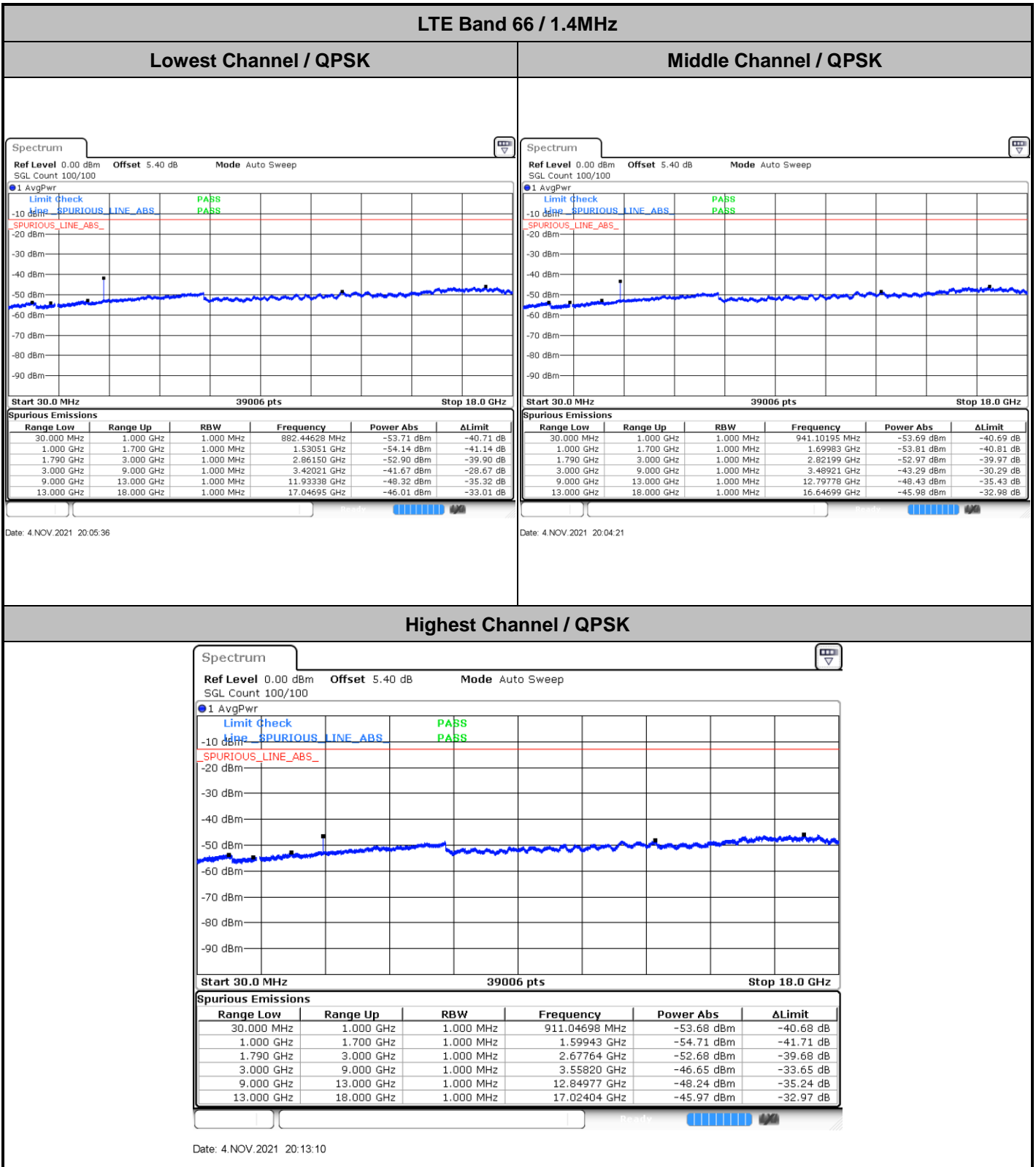
Highest Band Edge / Full RB



Date: 4 NOV 2021 19:13:14



# Conducted Spurious Emission

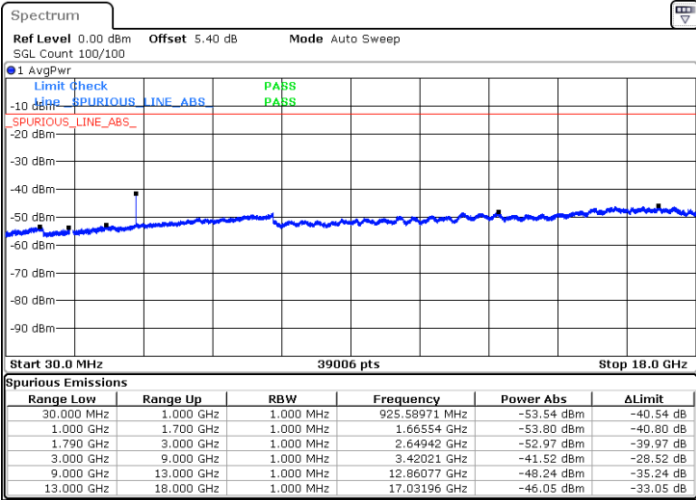




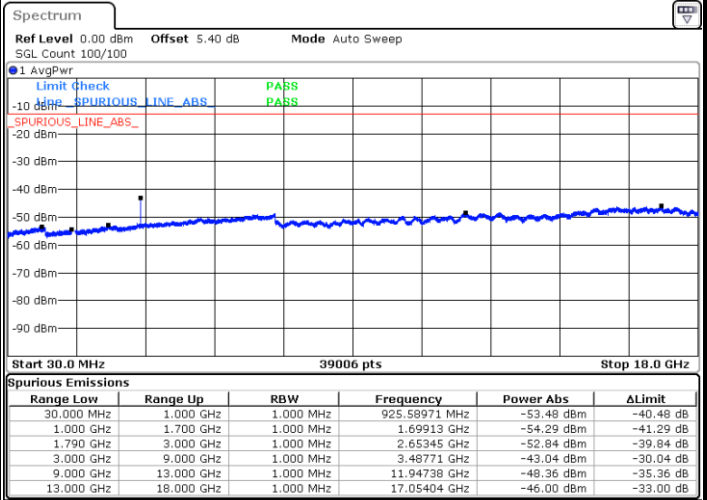
LTE Band 66 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

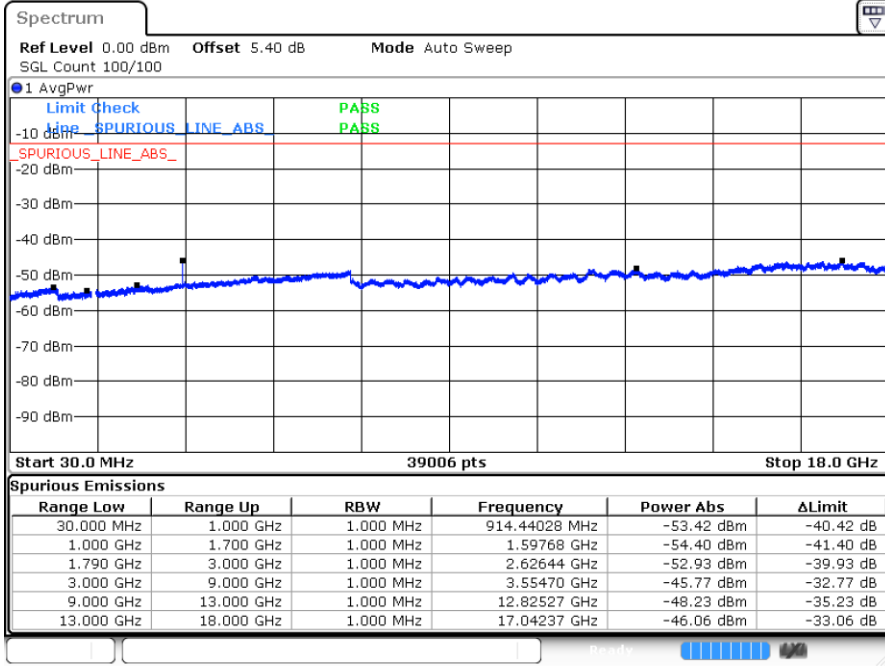


Date: 4 NOV.2021 19:56:45



Date: 4 NOV.2021 19:46:54

Highest Channel / QPSK



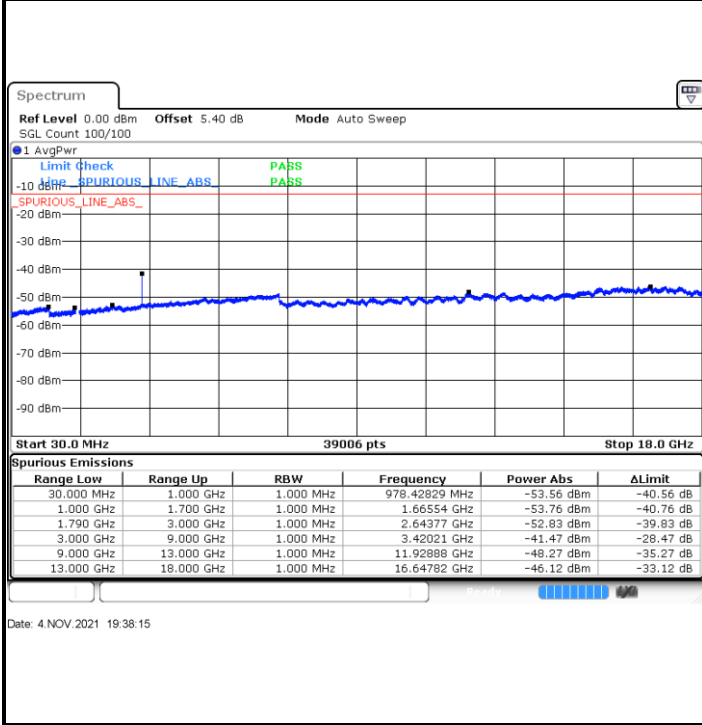
Date: 4 NOV.2021 19:55:31



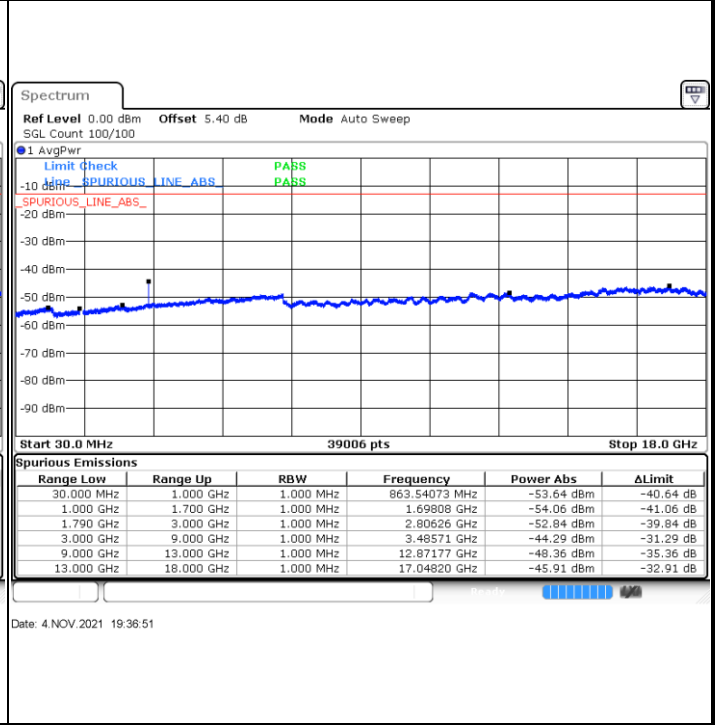


**LTE Band 66 / 5MHz**

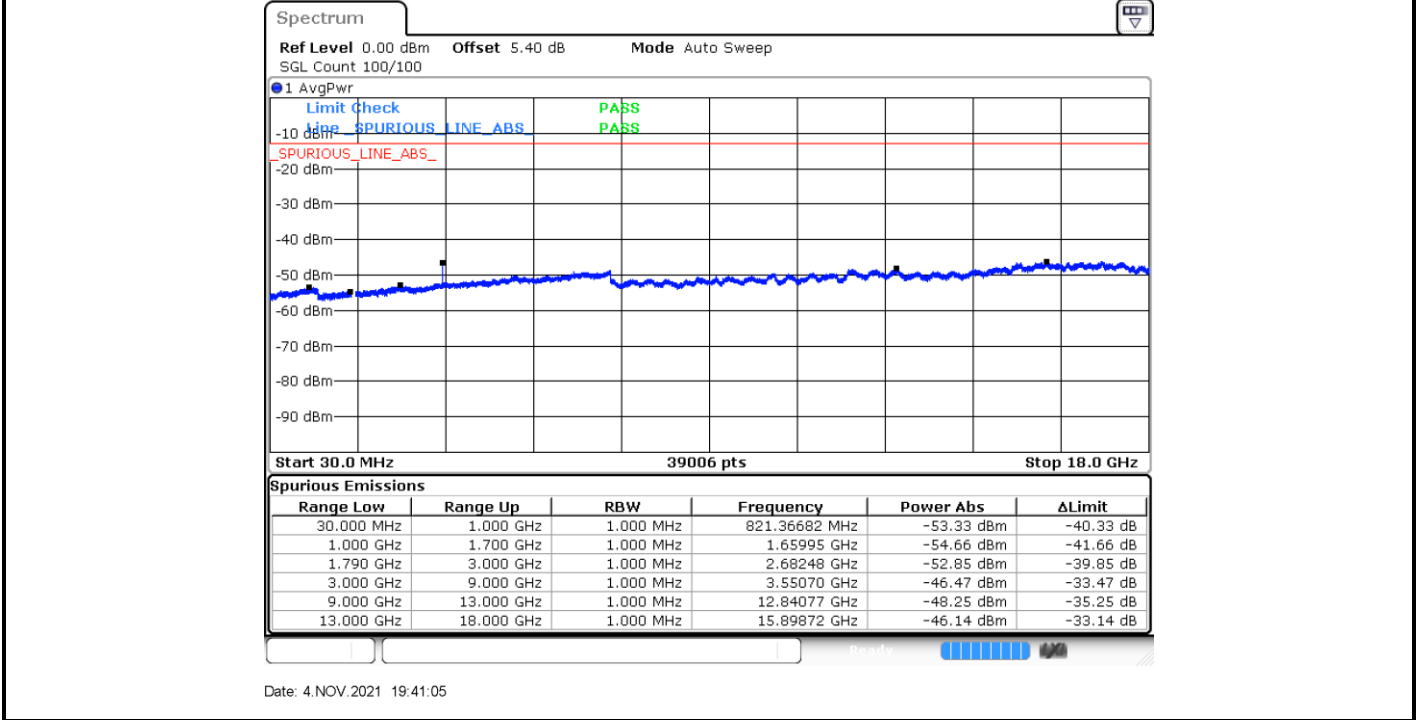
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

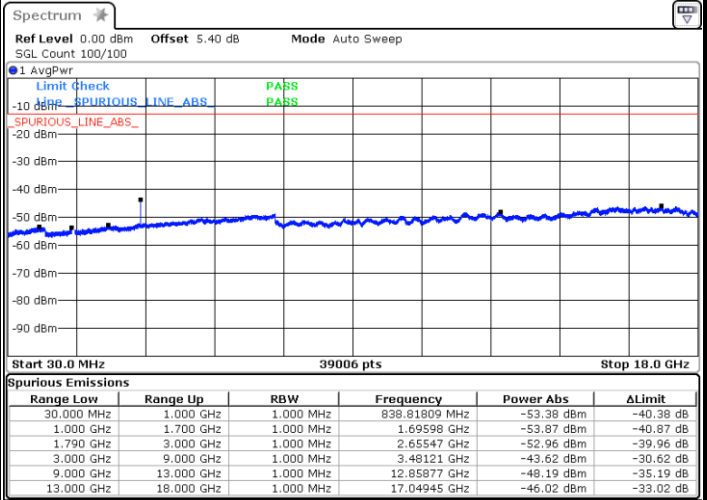
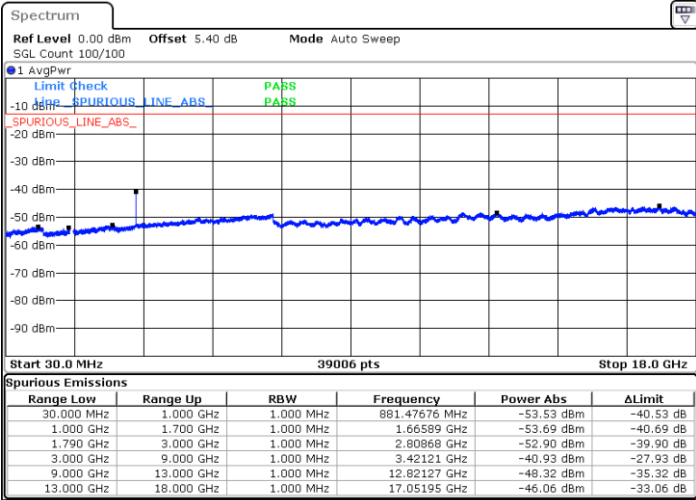




LTE Band 66 / 10MHz

Lowest Channel / QPSK

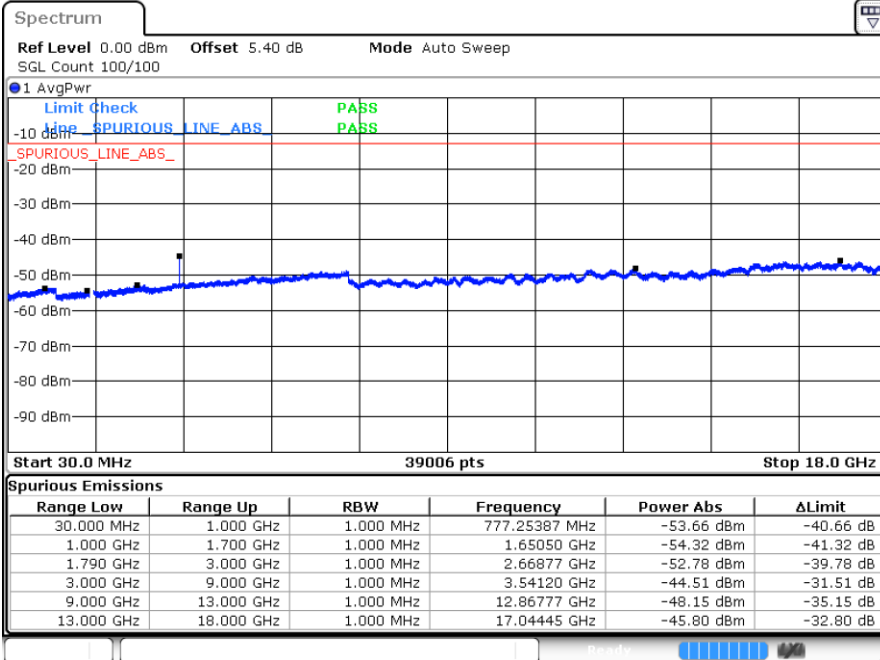
Middle Channel / QPSK



Date: 4 NOV.2021 19:31:02

Date: 4 NOV.2021 19:27:43

Highest Channel / QPSK



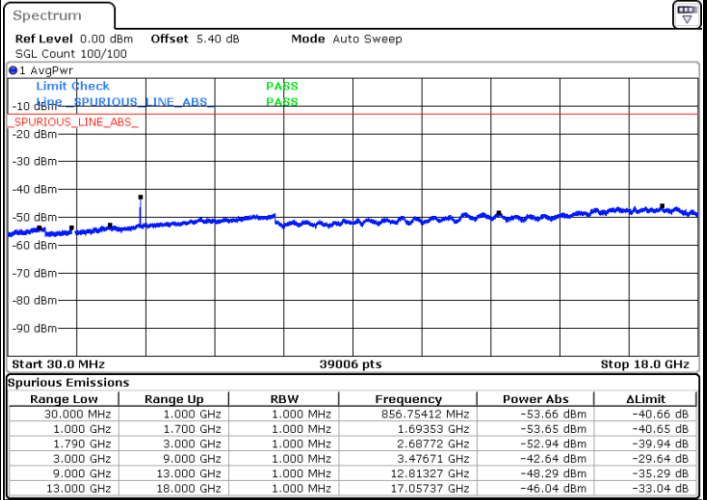
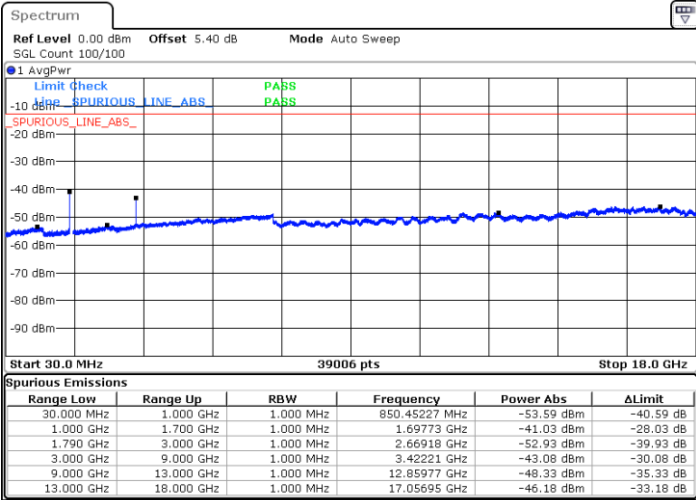
Date: 4 NOV.2021 19:33:22



LTE Band 66 / 15MHz

Lowest Channel / QPSK

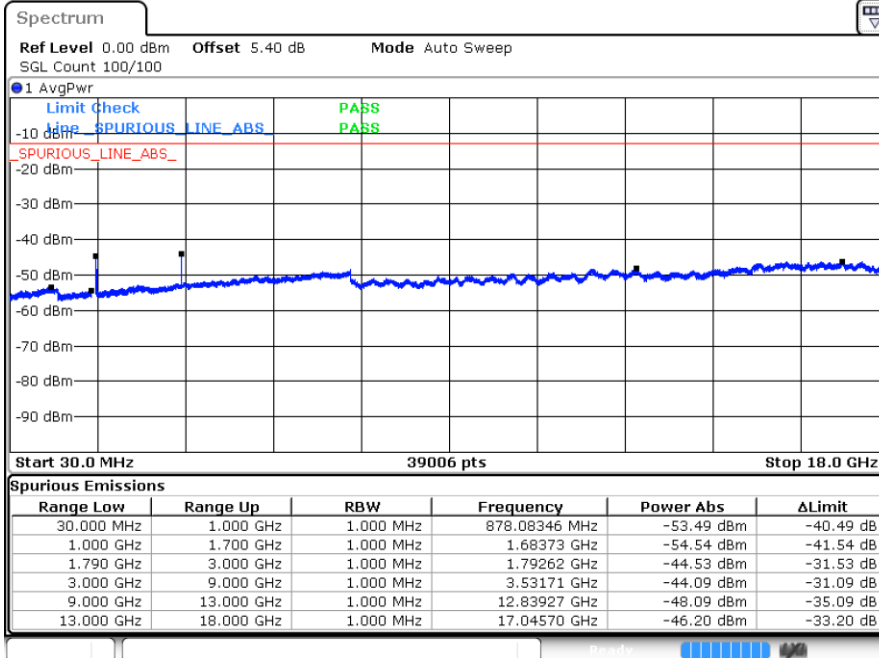
Middle Channel / QPSK



Date: 4 NOV.2021 19:20:23

Date: 4 NOV.2021 19:17:53

Highest Channel / QPSK



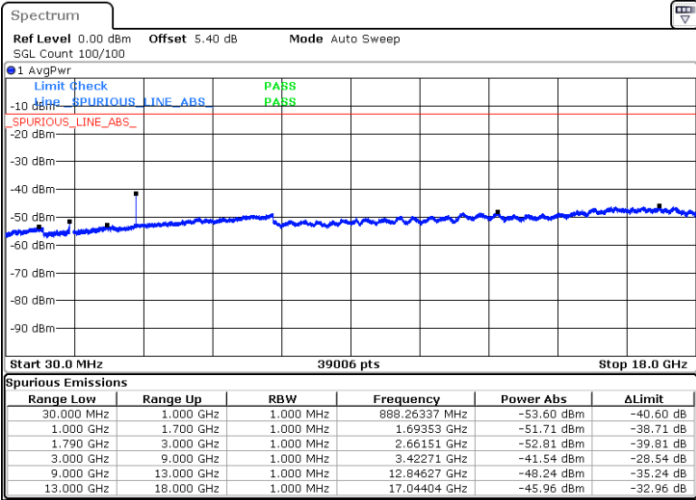
Date: 4 NOV.2021 19:22:43



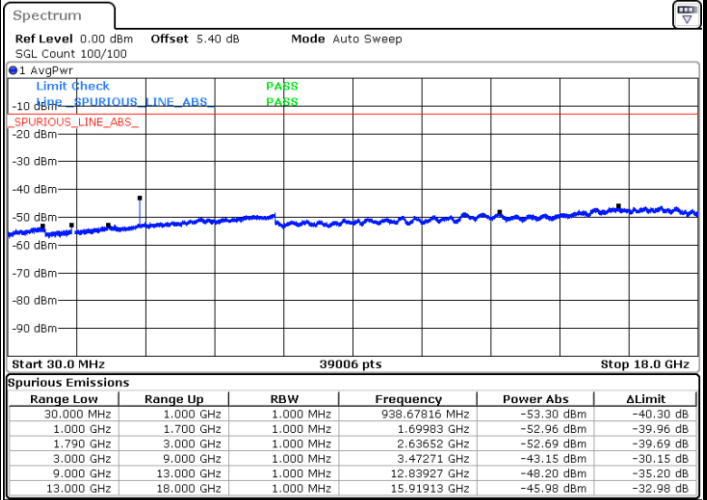
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

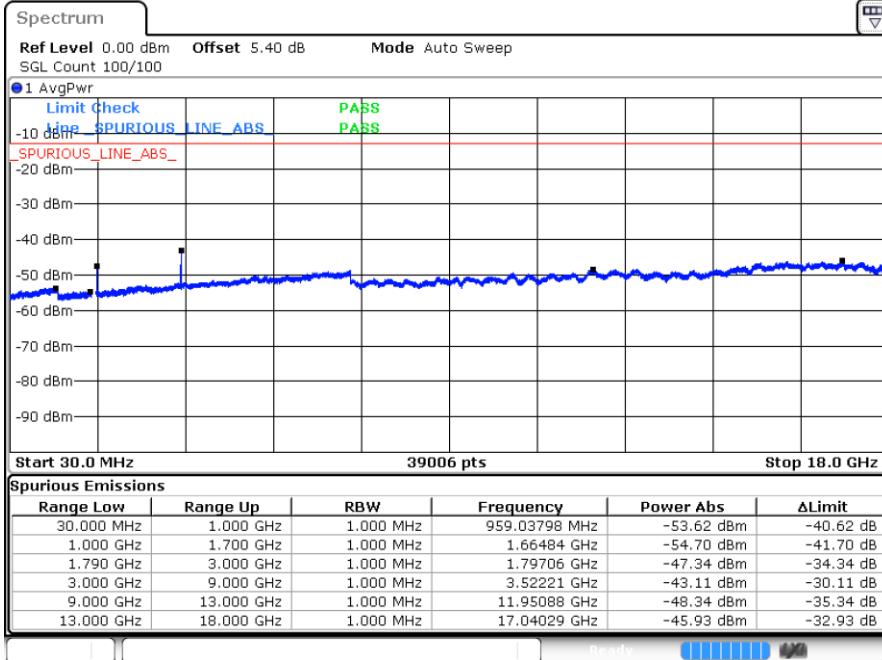


Date: 4.NOV.2021 19:09:38



Date: 4.NOV.2021 19:08:05

Highest Channel / QPSK



Date: 4.NOV.2021 19:14:53



### 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	0.0005	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0002	
20	End Point	0.0004	

**Note:**

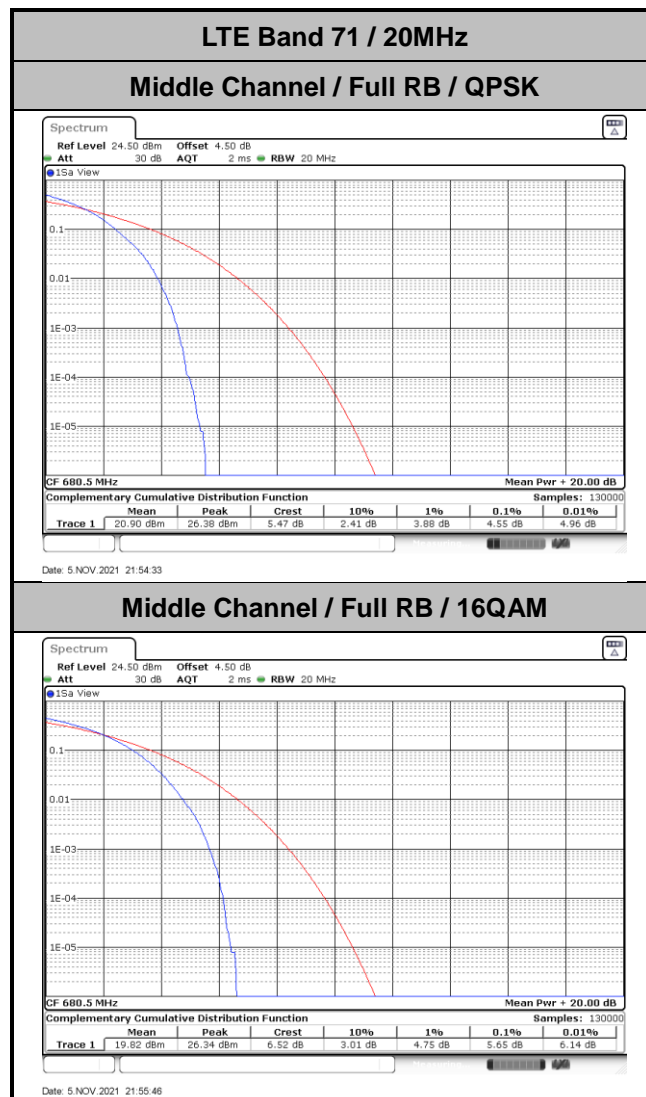
1. Normal Voltage =13 V. ; End Point (BEP) =12 V. ; Maximum Voltage =20 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 71

## Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz		
Mod.	QPSK	16QAM	Limit: 13dB
RB Size	Full RB	Full RB	Result
Middle CH	4.55	5.65	PASS





## 26dB Bandwidth

Mode	LTE Band 71 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.94	19.86

