

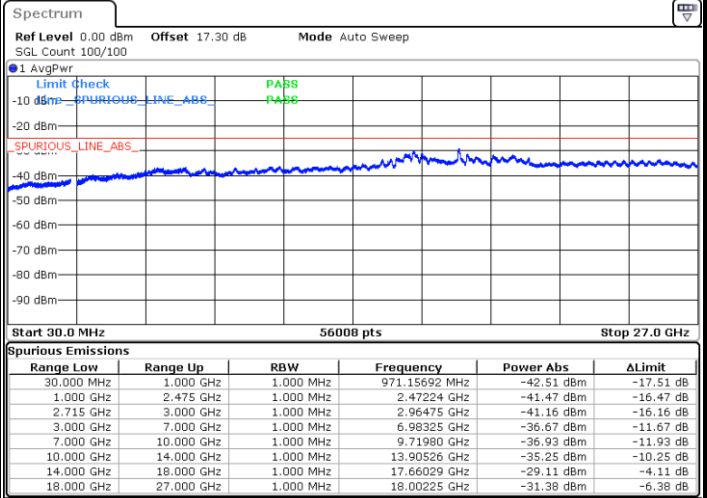
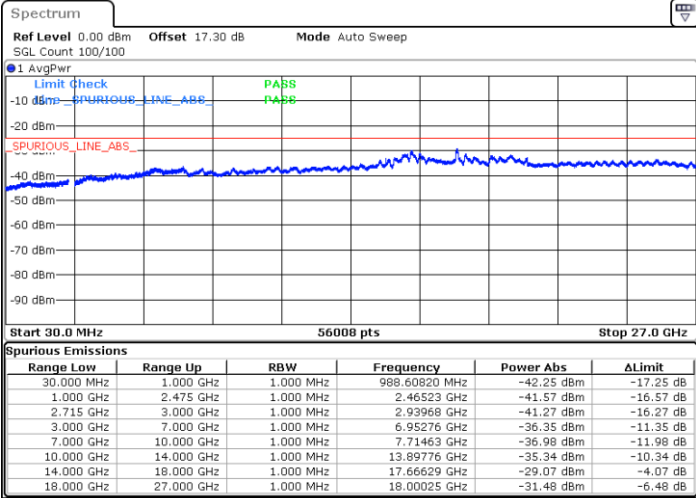


# Conducted Spurious Emission

## LTE Band 41 / 5MHz

### Lowest Channel / QPSK

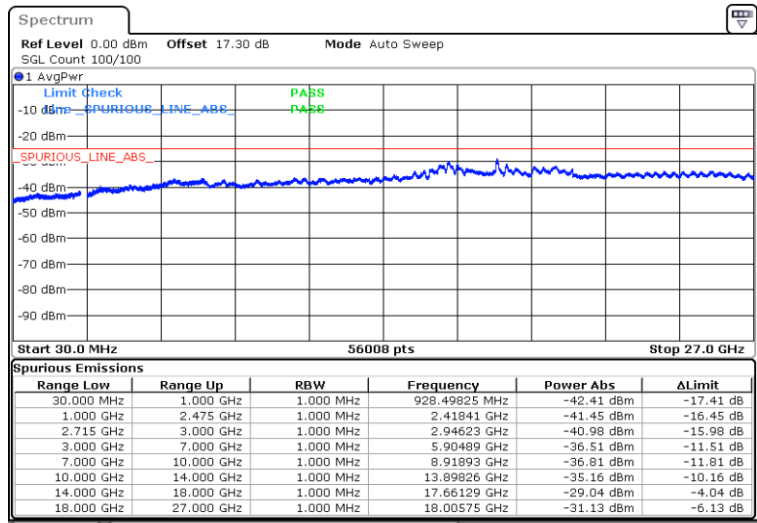
### Middle Channel / QPSK



Date: 19.OCT.2023 14:39:08

Date: 19.OCT.2023 14:43:28

### Highest Channel / QPSK



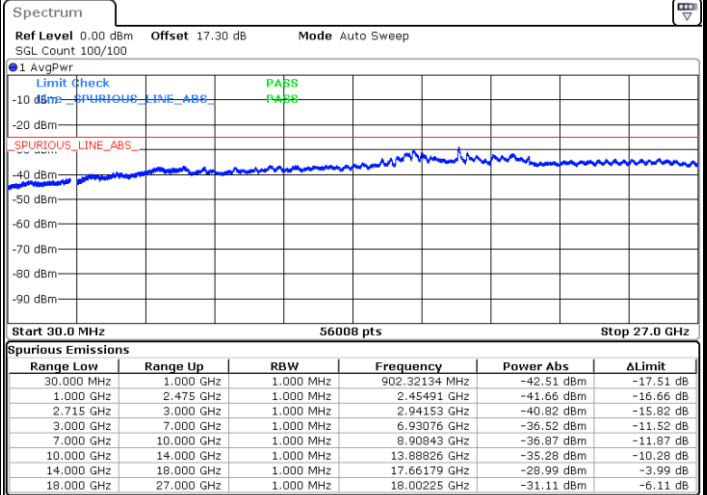
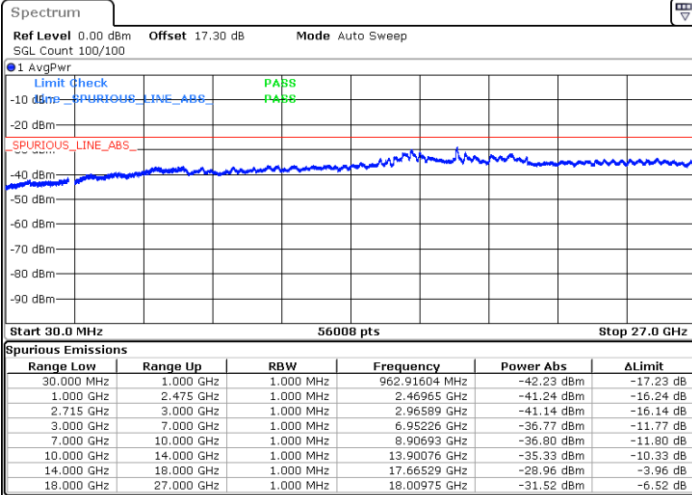
Date: 19.OCT.2023 14:53:42



LTE Band 41 / 10MHz

Lowest Channel / QPSK

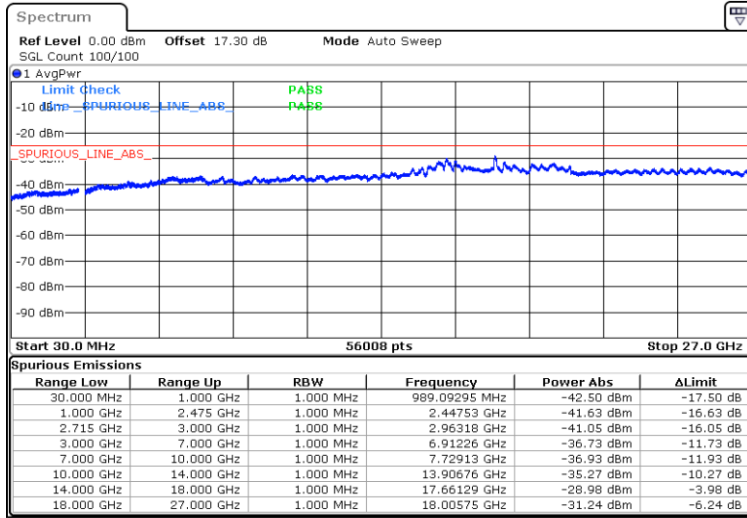
Middle Channel / QPSK



Date: 19.OCT.2023 15:20:34

Date: 19.OCT.2023 15:21:53

Highest Channel / QPSK



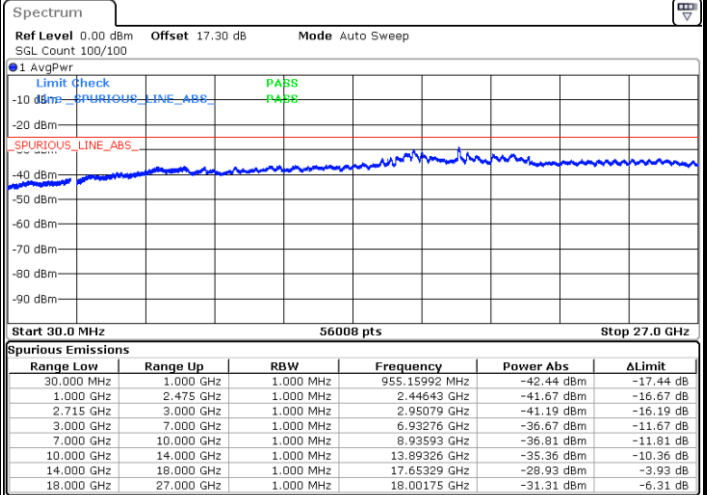
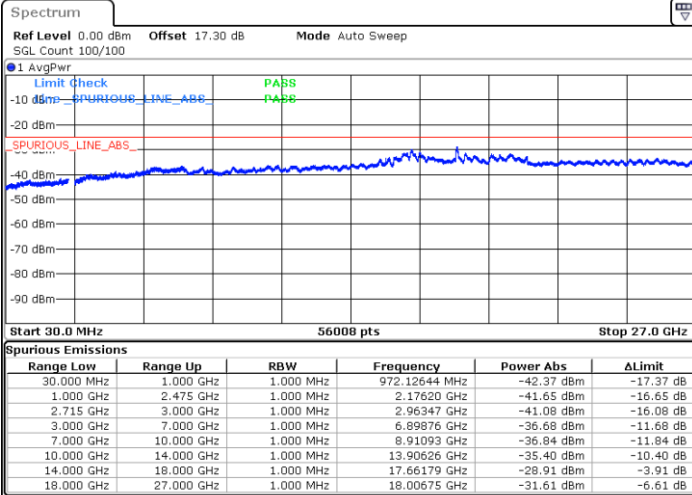
Date: 19.OCT.2023 15:23:12



LTE Band 41 / 15MHz

Lowest Channel / QPSK

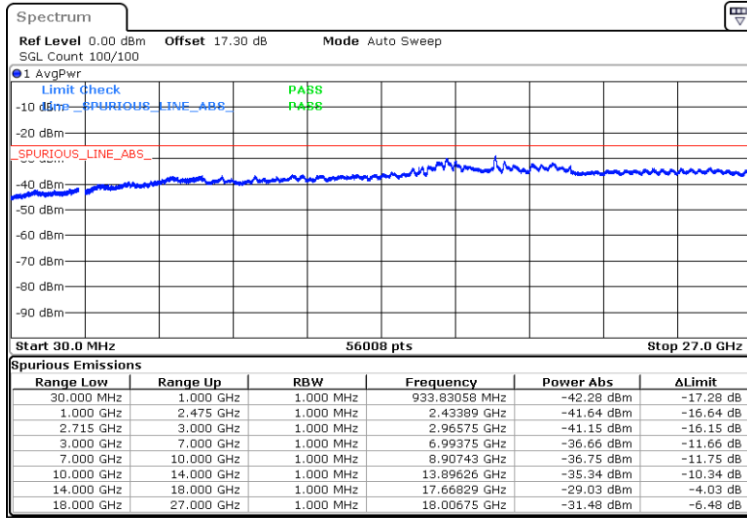
Middle Channel / QPSK



Date: 19.OCT.2023 15:24:36

Date: 19.OCT.2023 15:25:55

Highest Channel / QPSK



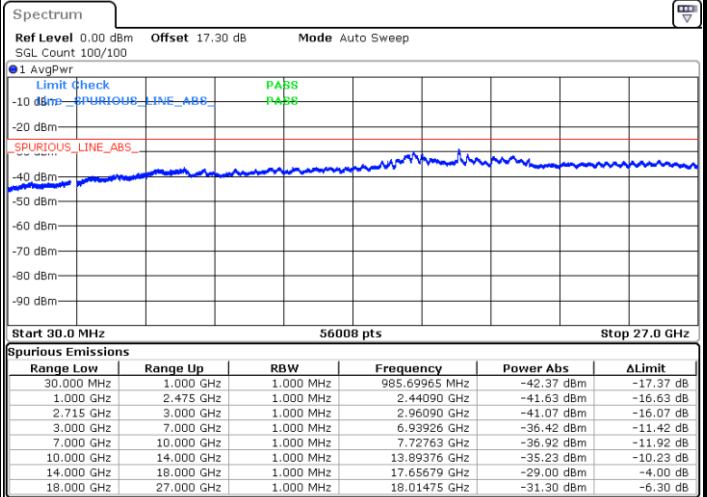
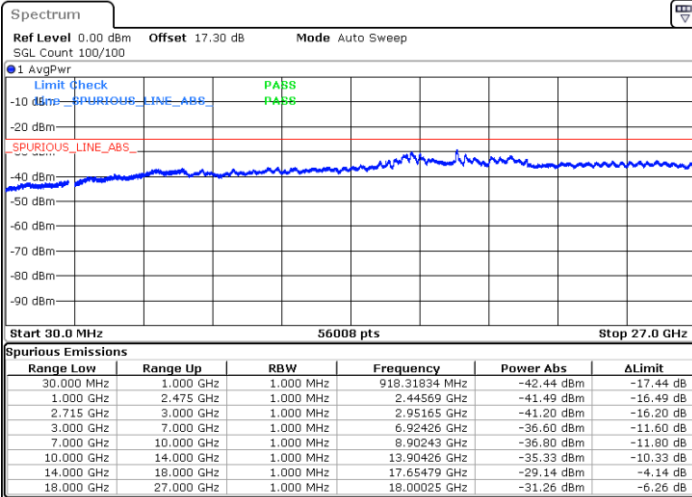
Date: 19.OCT.2023 15:27:14



LTE Band 41 / 20MHz

Lowest Channel / QPSK

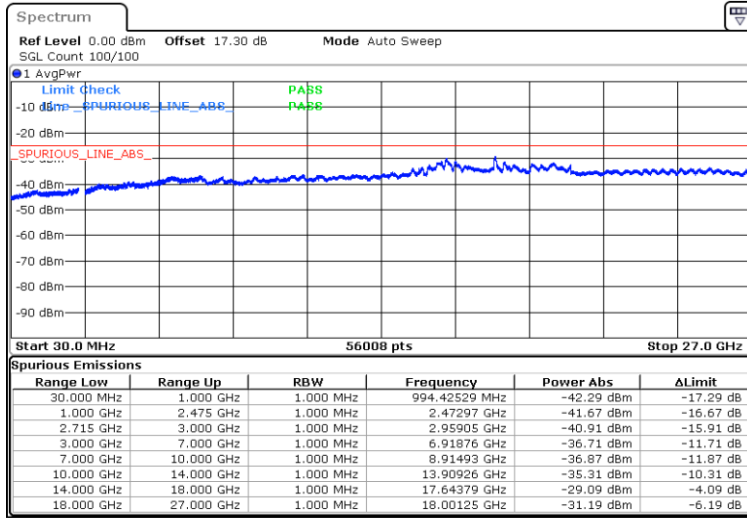
Middle Channel / QPSK



Date: 19.OCT.2023 15:28:38

Date: 19.OCT.2023 15:29:56

Highest Channel / QPSK



Date: 19.OCT.2023 15:31:14



### Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0022	

**Note:**

- 1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.2 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.

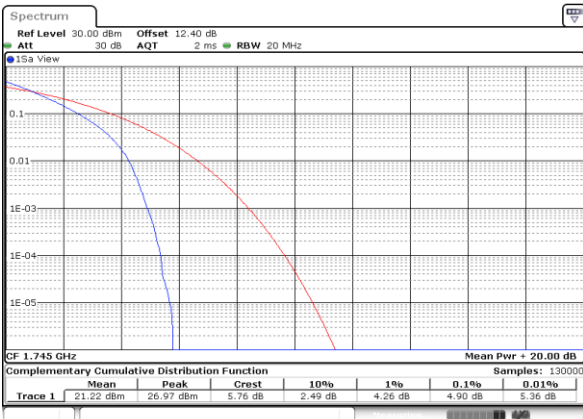


# LTE Band 66

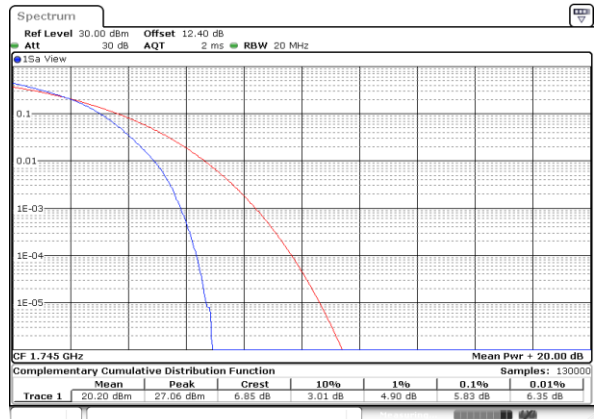
## Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.90	5.83	6.35	-	PASS

LTE Band 66 / 20MHz / QPSK	LTE Band 66 / 20MHz / 16QAM
Middle Channel / Full RB	Middle Channel / Full RB

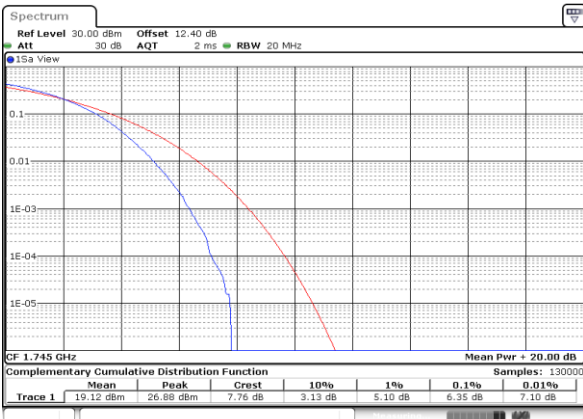


Date: 19.OCT.2023 11:59:33



Date: 19.OCT.2023 11:59:02

LTE Band 66 / 20MHz / 64QAM
Middle Channel / Full RB



Date: 19.OCT.2023 12:00:04



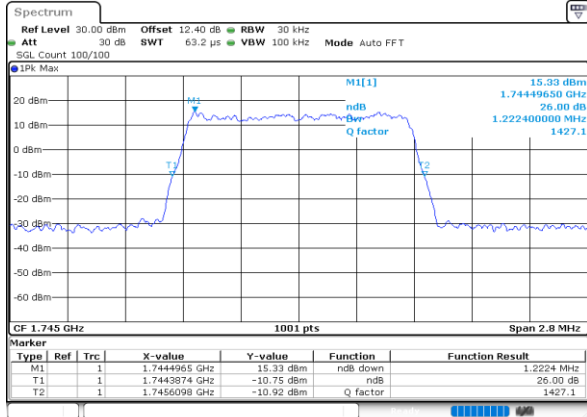
**26dB Bandwidth**

Mode	LTE Band 66 : 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	1.22	1.22	3.02	3.06	4.89	4.84	9.83	9.77	14.15	14.51	19.18	19.34
Mode	LTE Band 66 : 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	1.23	-	3.03	-	4.76	-	9.93	-	14.12	-	19.14	-



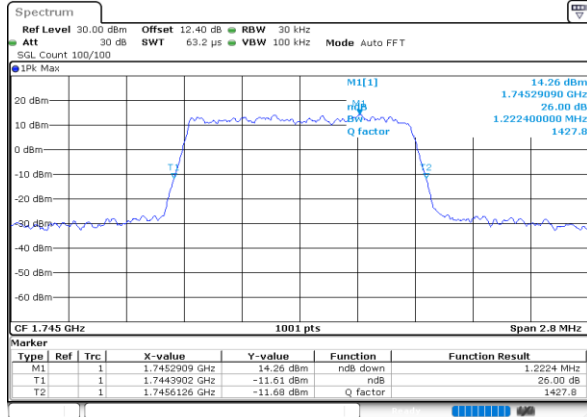
LTE Band 66

Middle Channel / 1.4MHz / QPSK



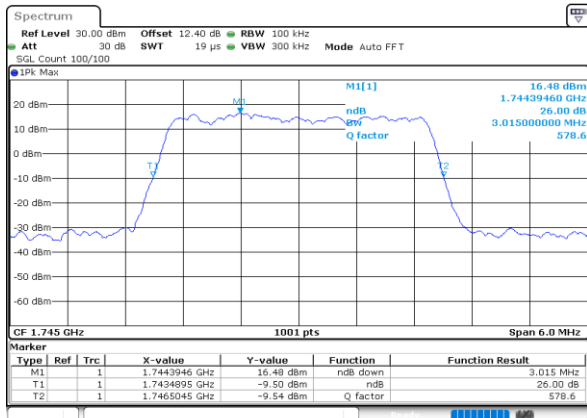
Date: 19.OCT.2023 11:02:32

Middle Channel / 1.4MHz / 16QAM



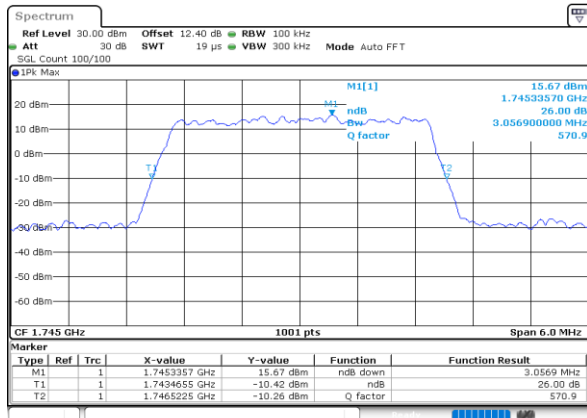
Date: 19.OCT.2023 11:03:01

Middle Channel / 3MHz / QPSK



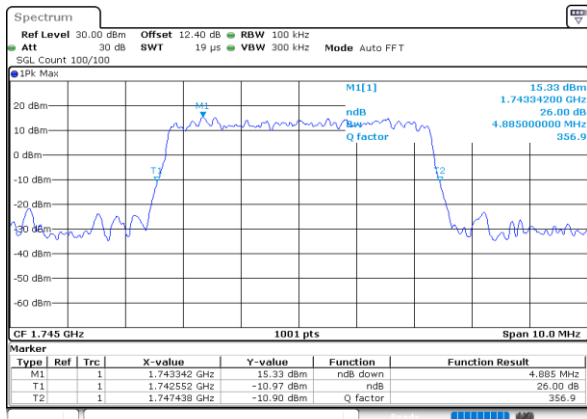
Date: 19.OCT.2023 11:17:53

Middle Channel / 3MHz / 16QAM



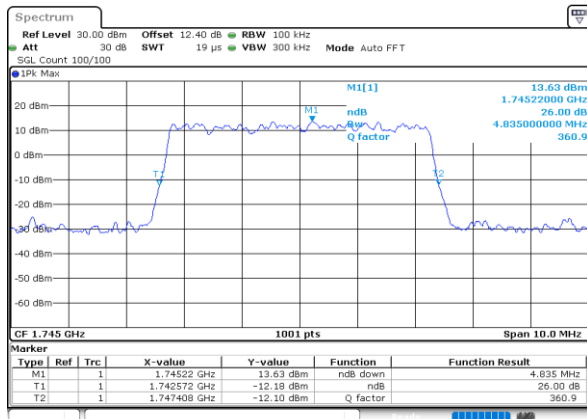
Date: 19.OCT.2023 11:18:23

Middle Channel / 5MHz / QPSK



Date: 19.OCT.2023 11:29:20

Middle Channel / 5MHz / 16QAM



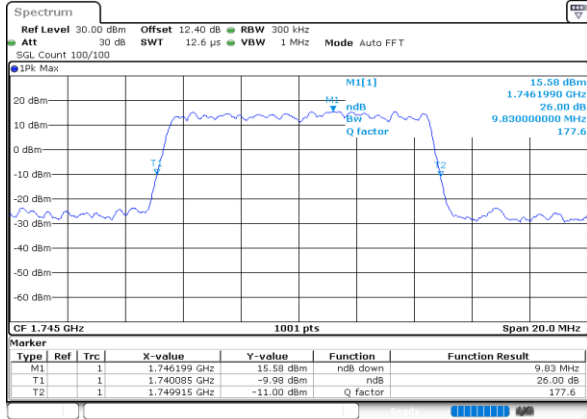
Date: 19.OCT.2023 11:29:50





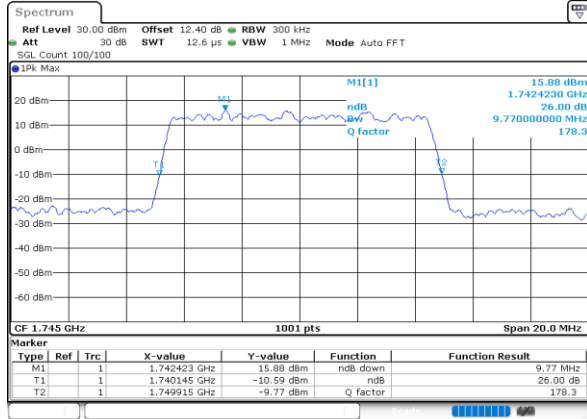
LTE Band 66

Middle Channel / 10MHz / QPSK



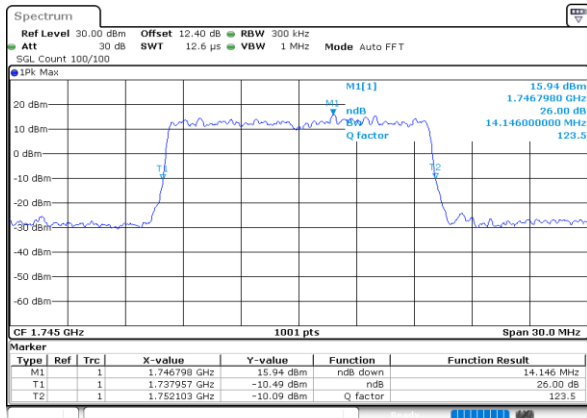
Date: 19.OCT.2023 11:35:35

Middle Channel / 10MHz / 16QAM



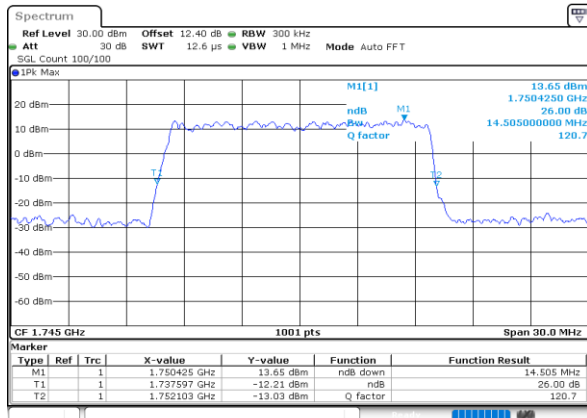
Date: 19.OCT.2023 11:36:04

Middle Channel / 15MHz / QPSK



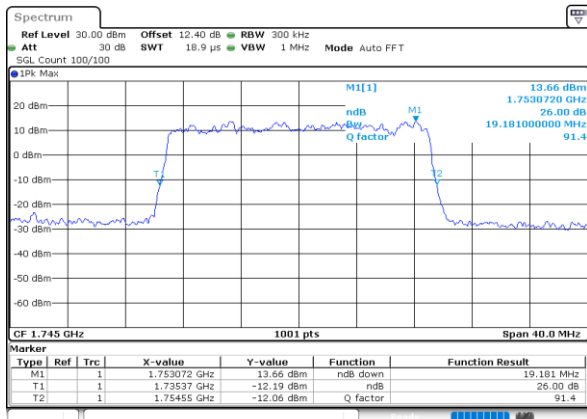
Date: 19.OCT.2023 11:47:05

Middle Channel / 15MHz / 16QAM



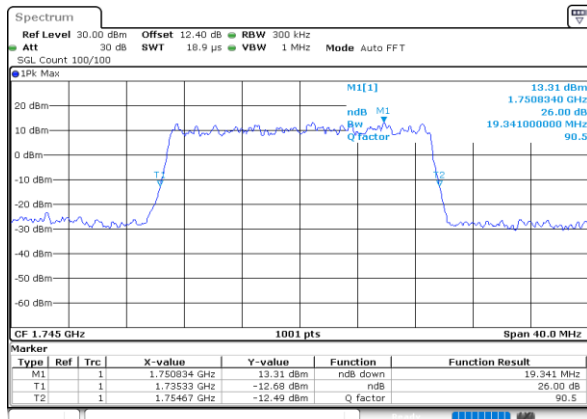
Date: 19.OCT.2023 11:47:34

Middle Channel / 20MHz / QPSK



Date: 19.OCT.2023 11:53:20

Middle Channel / 20MHz / 16QAM

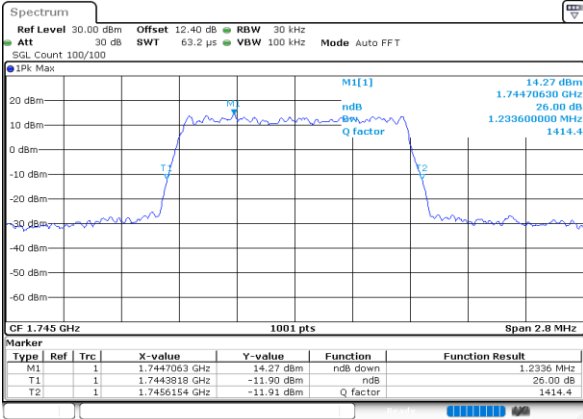


Date: 19.OCT.2023 11:53:50



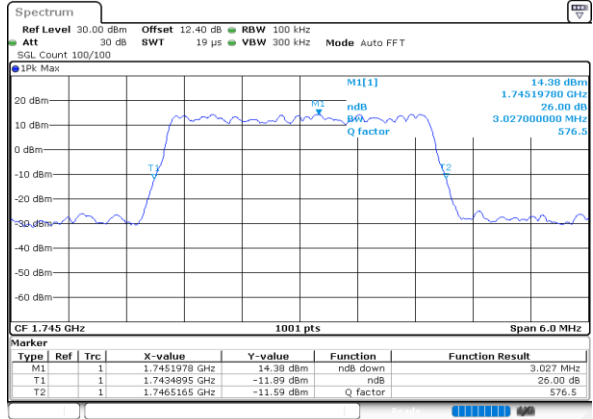
LTE Band 66

Middle Channel / 1.4MHz / 64QAM



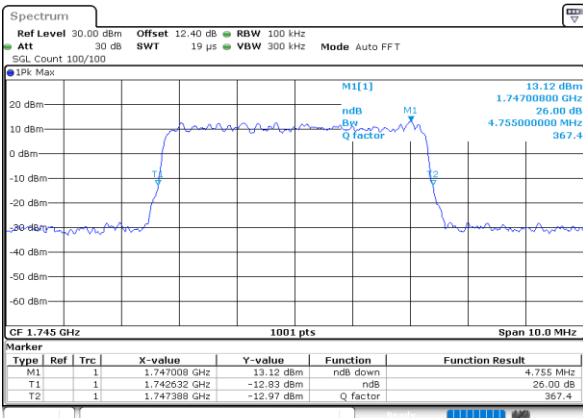
Date: 19.OCT.2023 11:12:20

Middle Channel / 3MHz / 64QAM



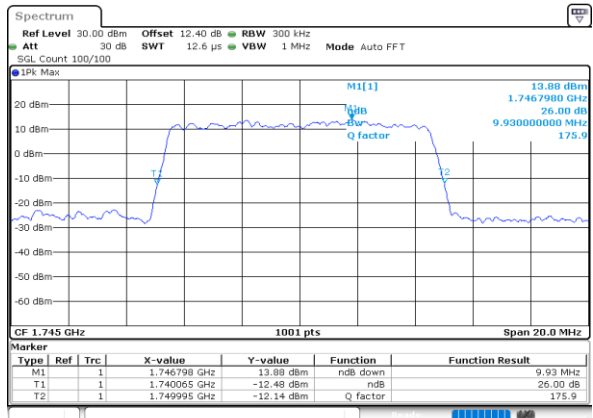
Date: 19.OCT.2023 11:22:05

Middle Channel / 5MHz / 64QAM



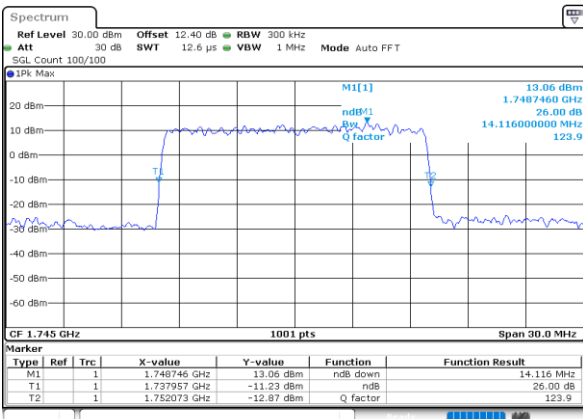
Date: 19.OCT.2023 11:24:53

Middle Channel / 10MHz / 64QAM



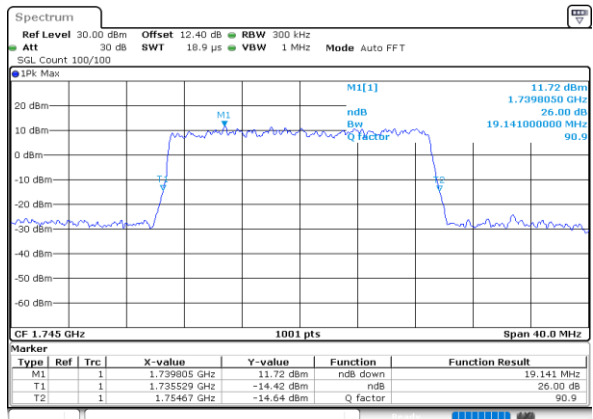
Date: 19.OCT.2023 11:39:46

Middle Channel / 15MHz / 64QAM



Date: 19.OCT.2023 11:42:34

Middle Channel / 20MHz / 64QAM



Date: 19.OCT.2023 11:57:32



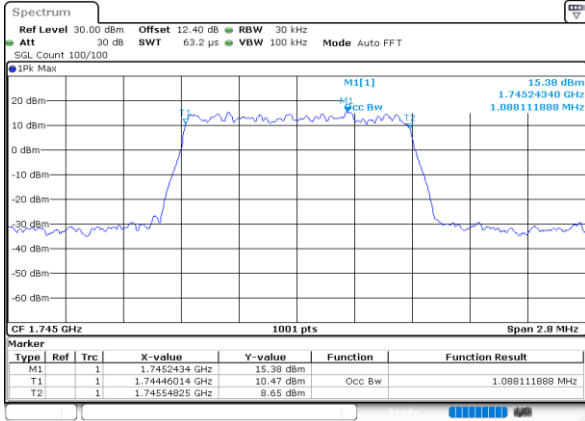
**Occupied Bandwidth**

Mode	LTE Band 66 : 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	1.09	1.09	2.73	2.71	4.51	4.49	9.03	9.01	13.46	13.52	17.90	17.86
Mode	LTE Band 66 : 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	1.09	-	2.72	-	4.50	-	9.01	-	13.43	-	17.90	-



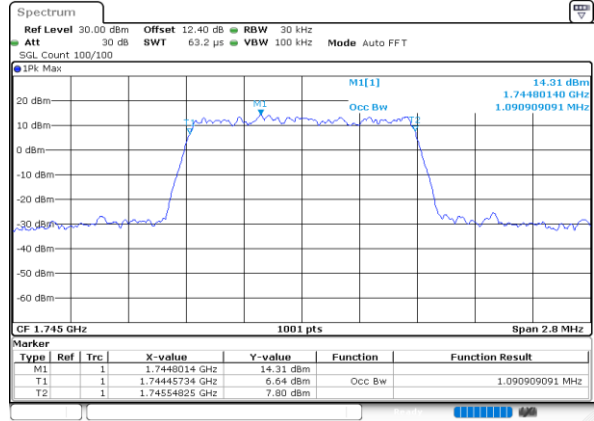
LTE Band 66

Middle Channel / 1.4MHz / QPSK



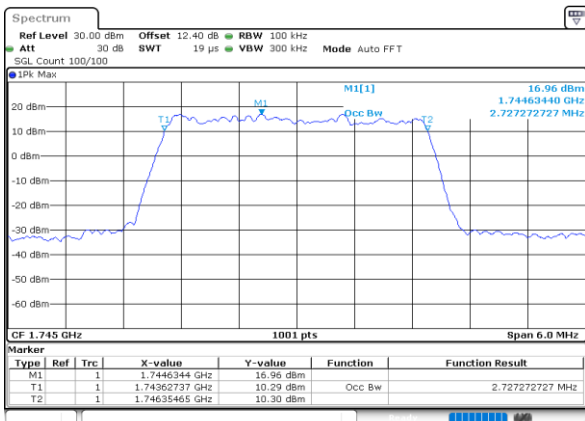
Date: 19.OCT.2023 11:01:32

Middle Channel / 1.4MHz / 16QAM



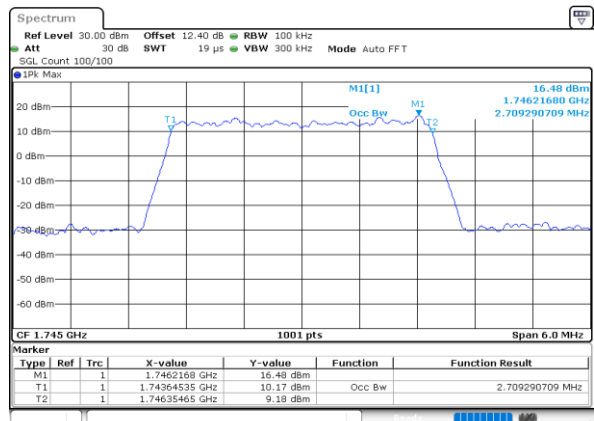
Date: 19.OCT.2023 11:02:02

Middle Channel / 3MHz / QPSK



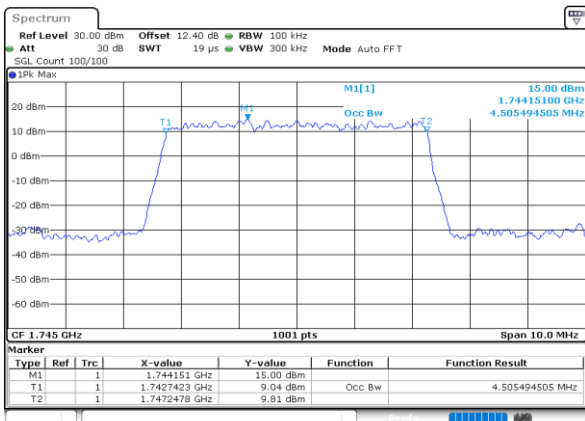
Date: 19.OCT.2023 11:16:54

Middle Channel / 3MHz / 16QAM



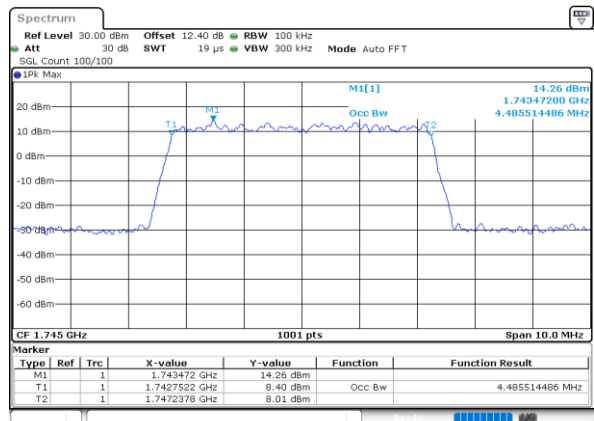
Date: 19.OCT.2023 11:17:23

Middle Channel / 5MHz / QPSK



Date: 19.OCT.2023 11:28:21

Middle Channel / 5MHz / 16QAM

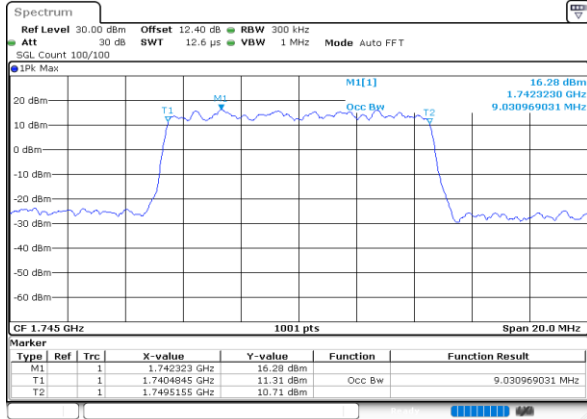


Date: 19.OCT.2023 11:28:51



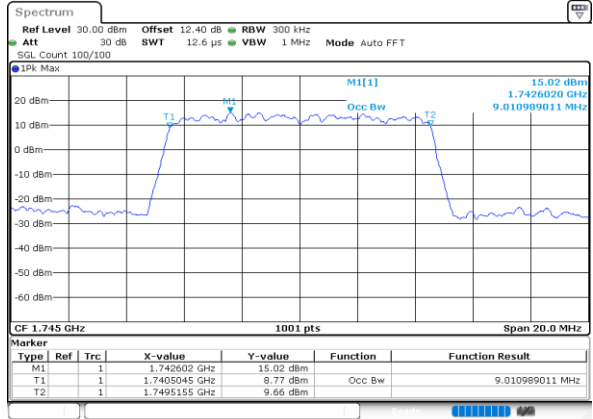
LTE Band 66

Middle Channel / 10MHz / QPSK



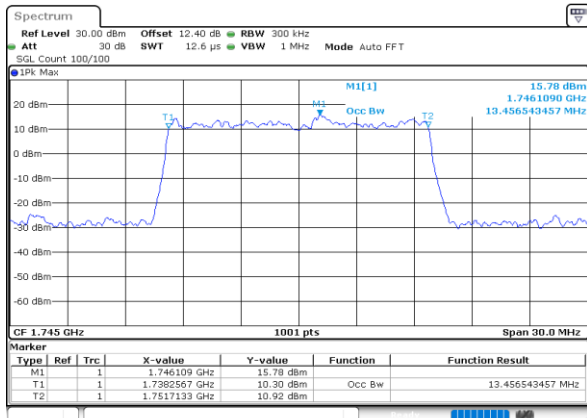
Date: 19.OCT.2023 11:34:36

Middle Channel / 10MHz / 16QAM



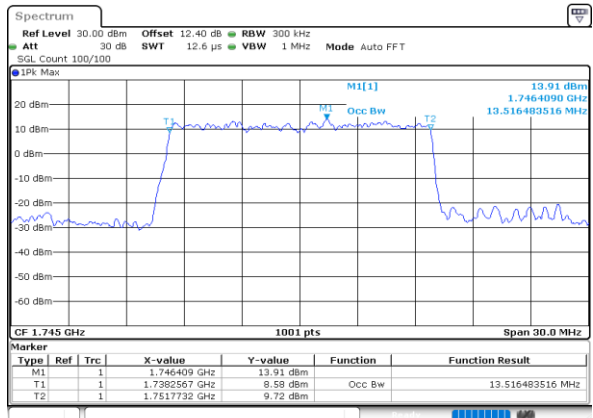
Date: 19.OCT.2023 11:35:06

Middle Channel / 15MHz / QPSK



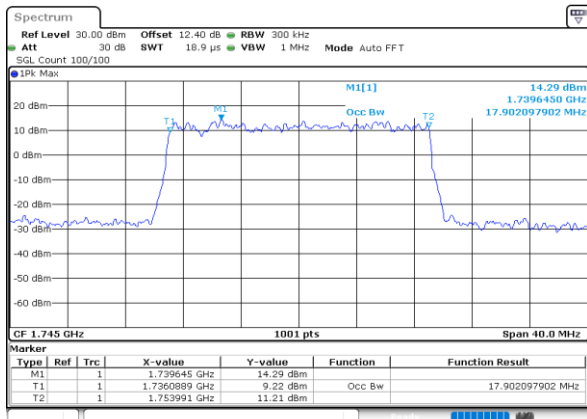
Date: 19.OCT.2023 11:46:06

Middle Channel / 15MHz / 16QAM



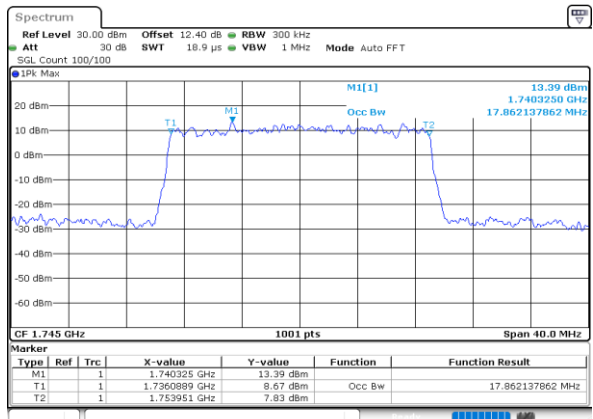
Date: 19.OCT.2023 11:46:35

Middle Channel / 20MHz / QPSK



Date: 19.OCT.2023 11:52:21

Middle Channel / 20MHz / 16QAM

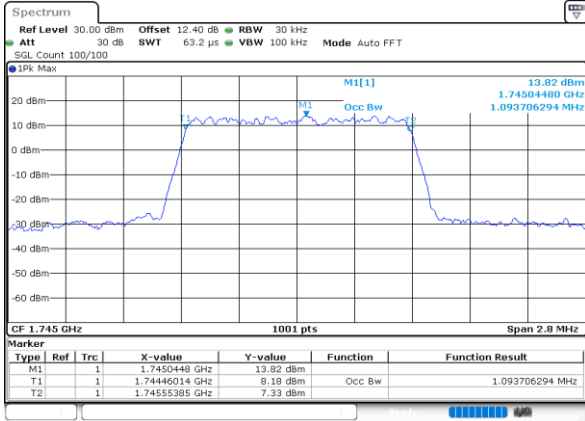


Date: 19.OCT.2023 11:52:50



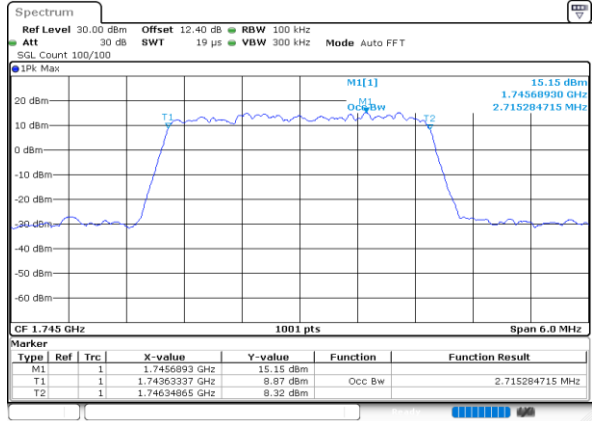
LTE Band 66

Middle Channel / 1.4MHz / 64QAM



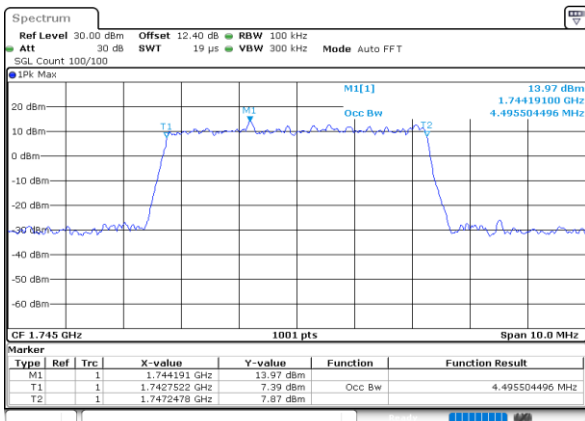
Date: 19.OCT.2023 11:12:06

Middle Channel / 3MHz / 64QAM



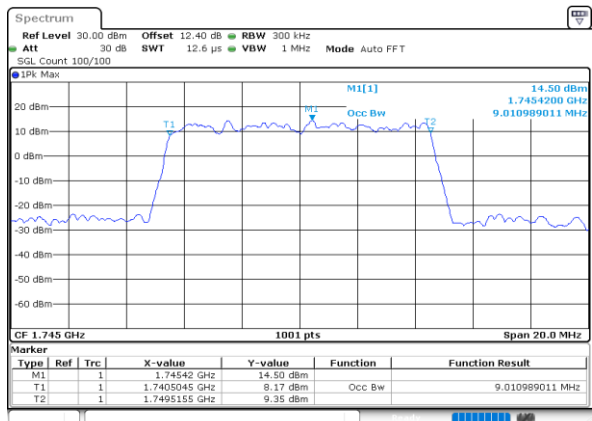
Date: 19.OCT.2023 11:21:51

Middle Channel / 5MHz / 64QAM



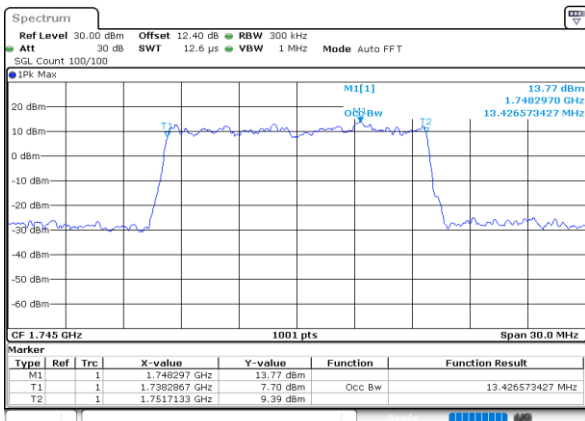
Date: 19.OCT.2023 11:24:39

Middle Channel / 10MHz / 64QAM



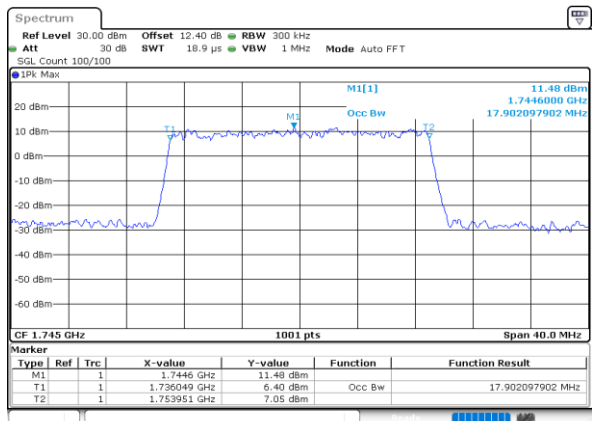
Date: 19.OCT.2023 11:39:32

Middle Channel / 15MHz / 64QAM



Date: 19.OCT.2023 11:42:20

Middle Channel / 20MHz / 64QAM



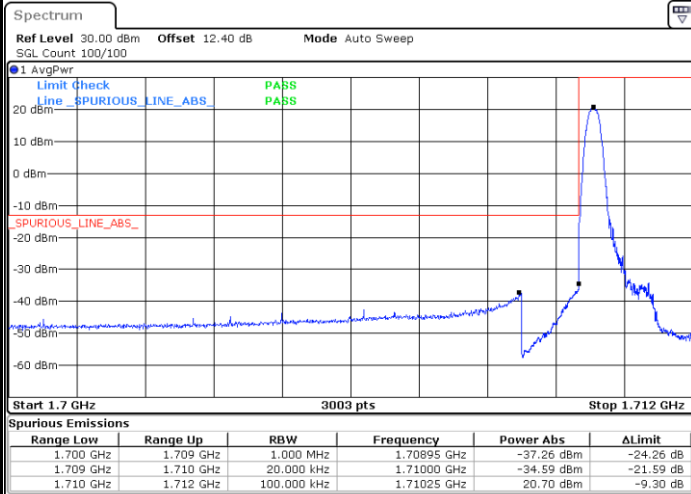
Date: 19.OCT.2023 11:57:18



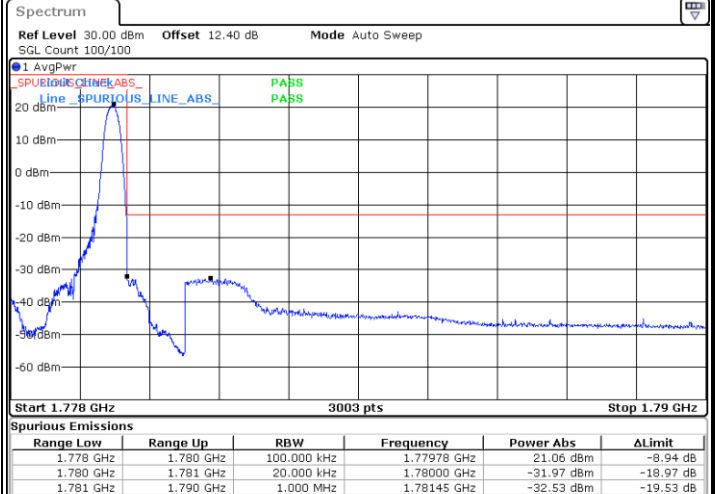
# Conducted Band Edge

## LTE Band 66 / 1.4MHz / QPSK

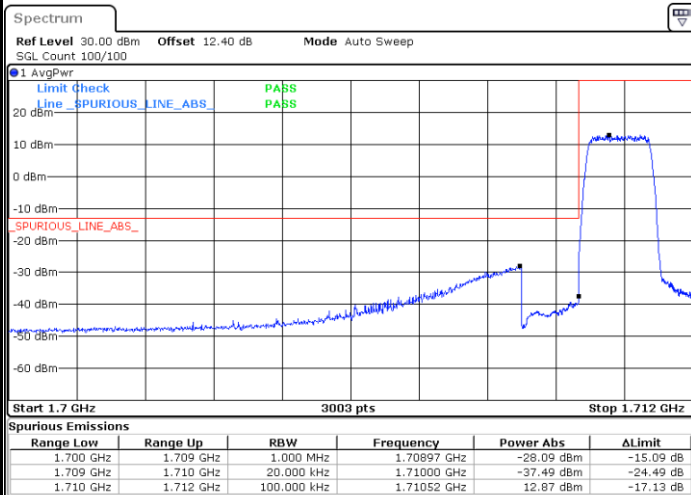
### Lowest Band Edge / 1RB



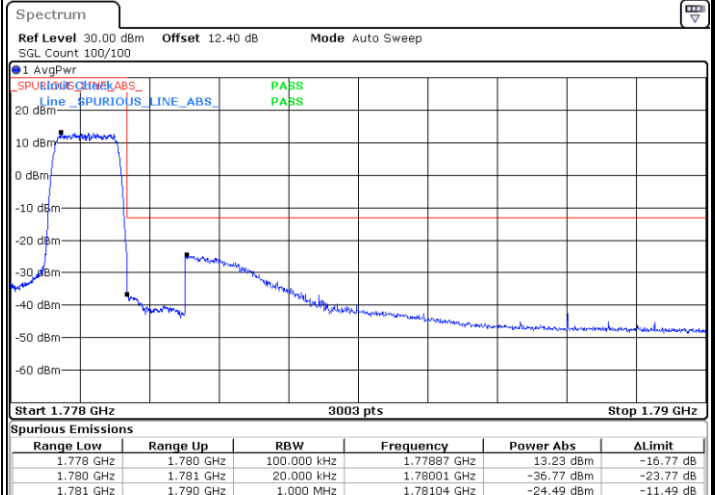
### Highest Band Edge / 1RB



### Lowest Band Edge / Full RB



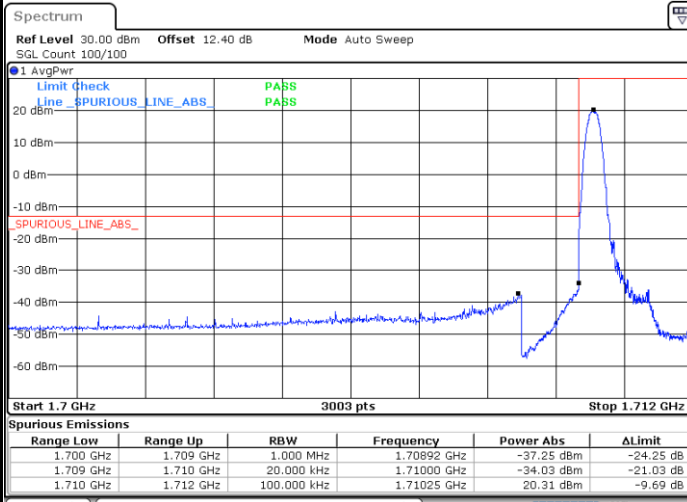
### Highest Band Edge / Full RB





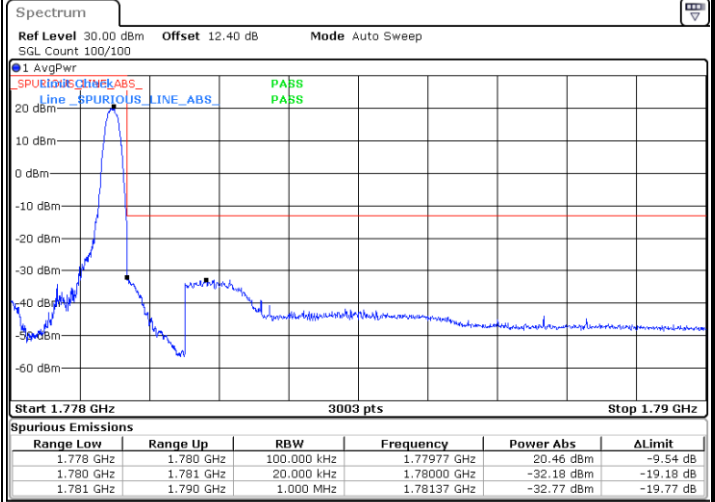
LTE Band 66 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



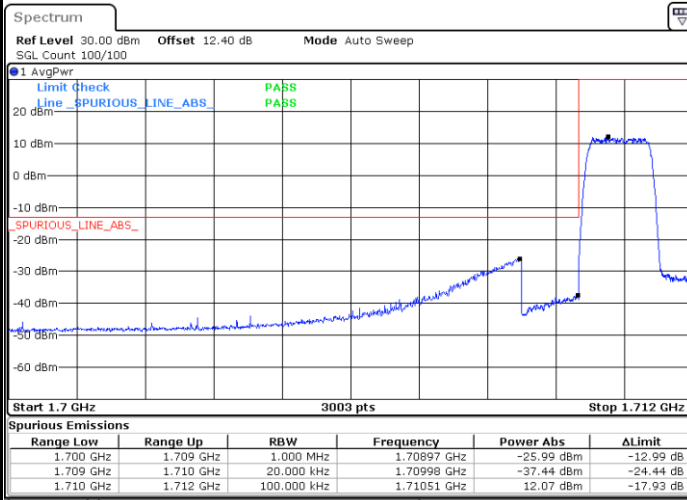
Date: 19.OCT.2023 10:57:44

Highest Band Edge / 1 RB



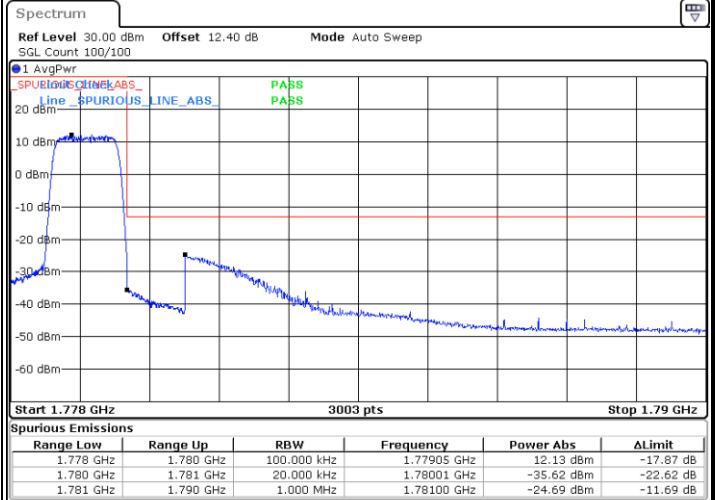
Date: 19.OCT.2023 11:06:18

Lowest Band Edge / Full RB



Date: 19.OCT.2023 10:59:43

Highest Band Edge / Full RB



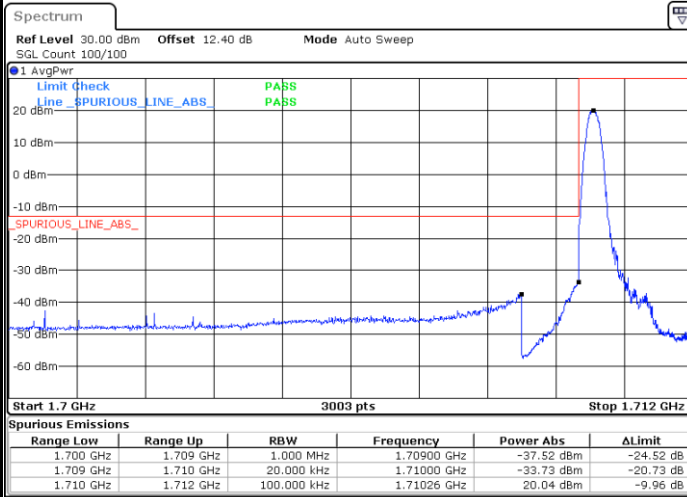
Date: 19.OCT.2023 11:08:18





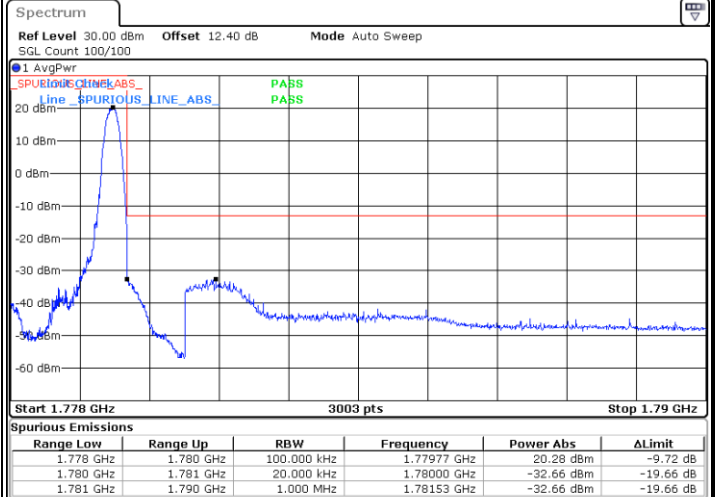
LTE Band 66 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



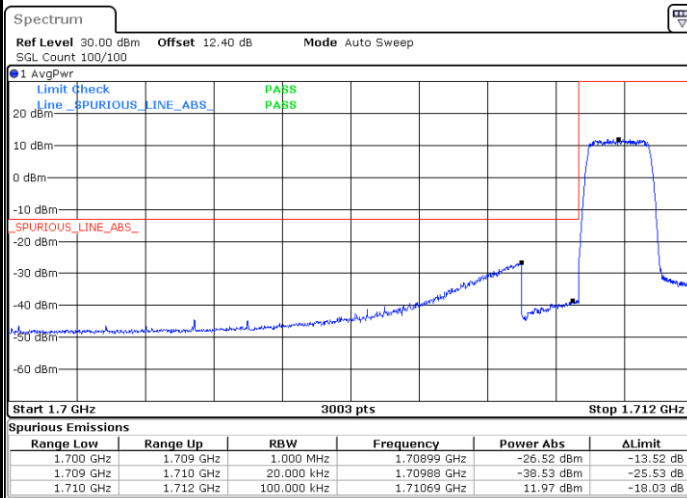
Date: 19.OCT.2023 11:10:36

Highest Band Edge / 1 RB



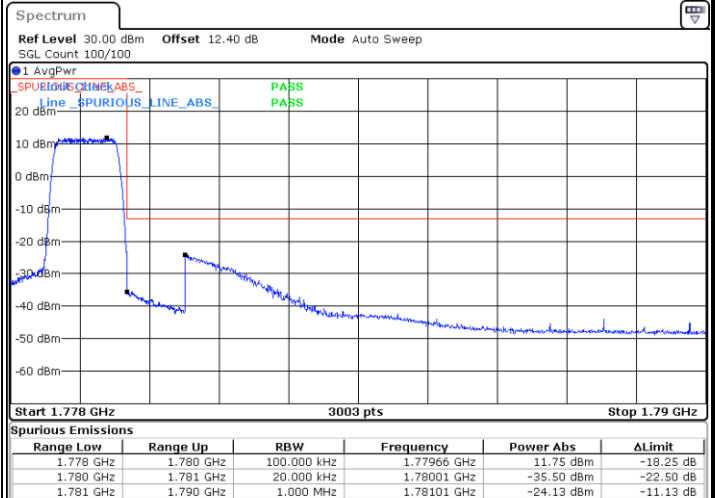
Date: 19.OCT.2023 11:13:19

Lowest Band Edge / Full RB



Date: 19.OCT.2023 11:11:36

Highest Band Edge / Full RB

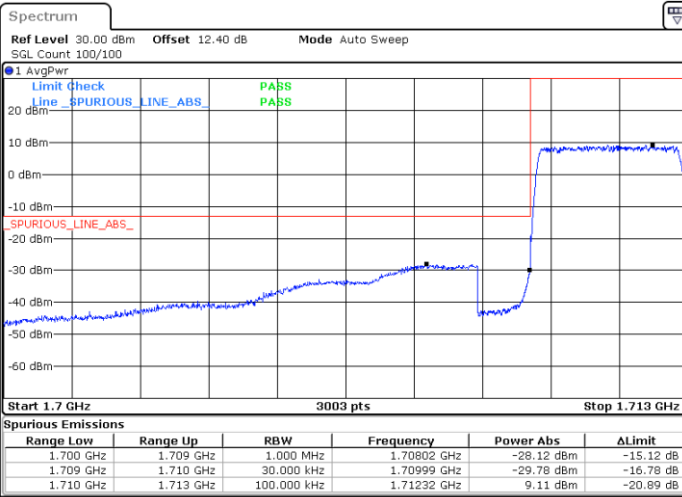


Date: 19.OCT.2023 11:14:19



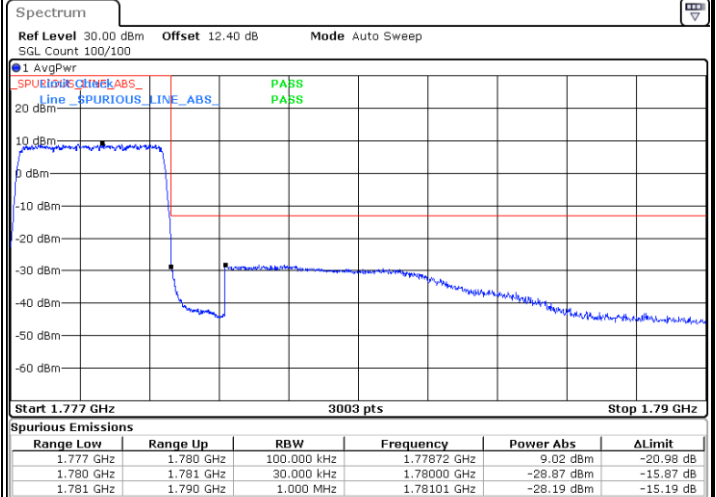
LTE Band 66 / 3MHz / QPSK

Lowest Band Edge / Full RB



Date: 19.OCT.2023 11:15:24

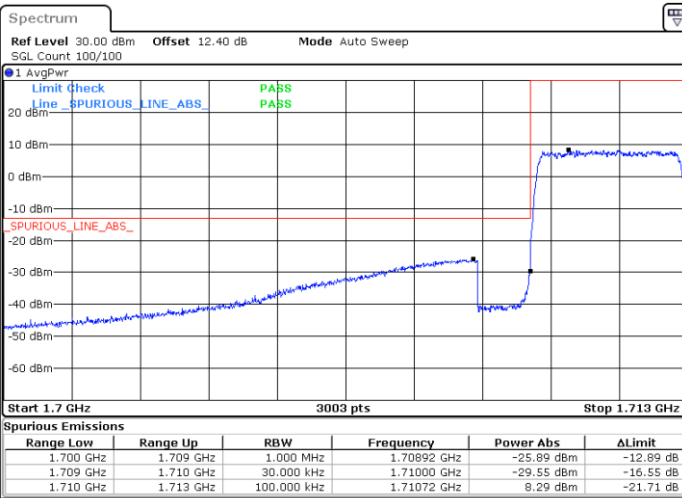
Highest Band Edge / Full RB



Date: 19.OCT.2023 11:19:21

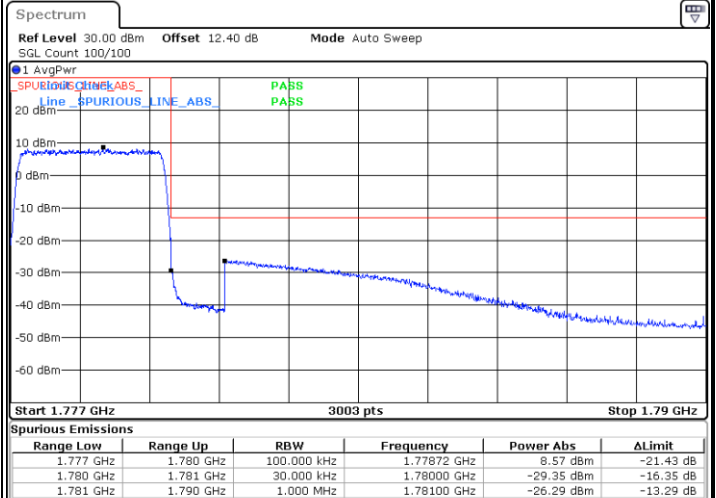
LTE Band 66 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Date: 19.OCT.2023 11:16:23

Highest Band Edge / Full RB



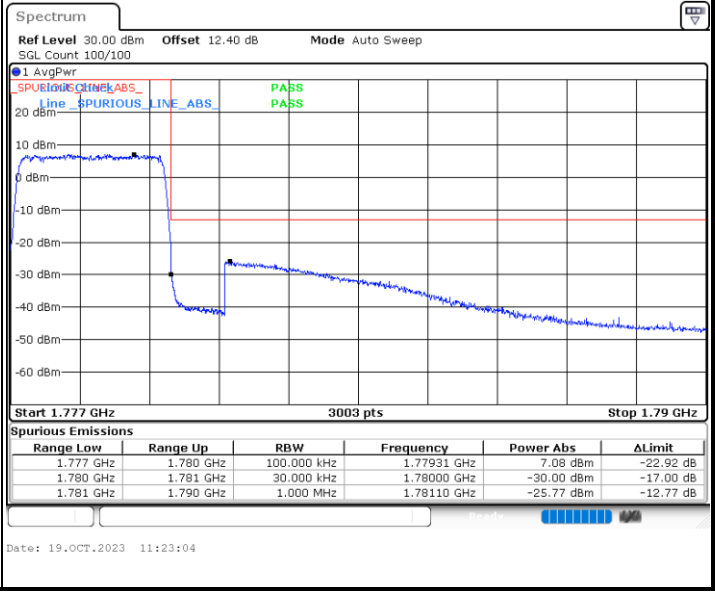
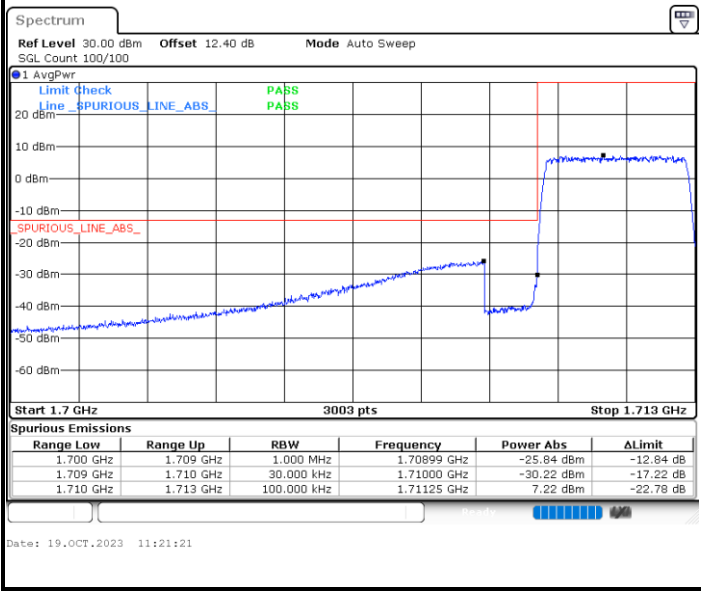
Date: 19.OCT.2023 11:20:21



LTE Band 66 / 3MHz / 64QAM

Lowest Band Edge / Full RB

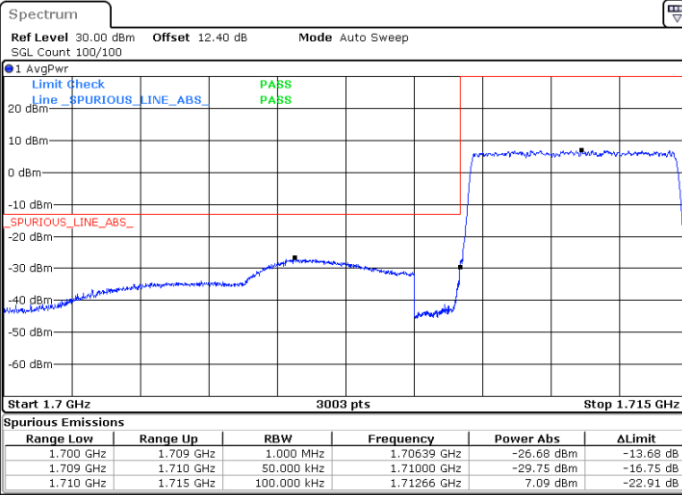
Highest Band Edge / Full RB





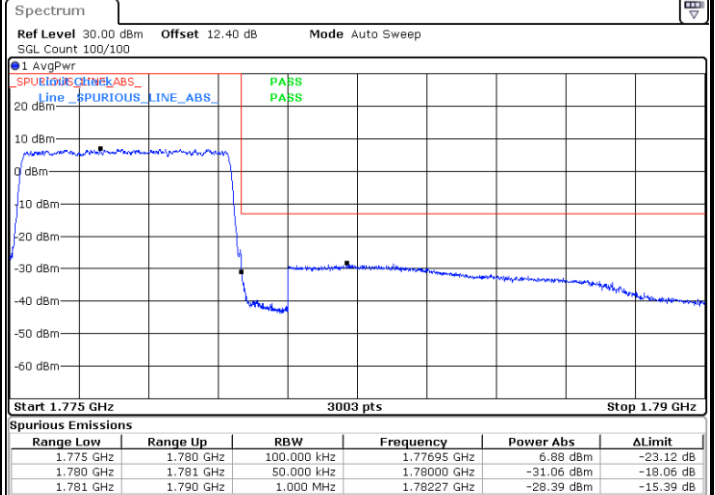
LTE Band 66 / 5MHz / QPSK

Lowest Band Edge / Full RB



Date: 19.OCT.2023 11:26:51

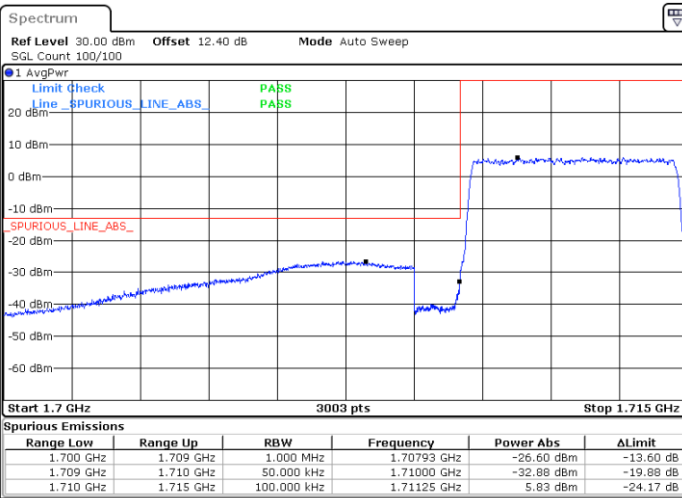
Highest Band Edge / Full RB



Date: 19.OCT.2023 11:30:48

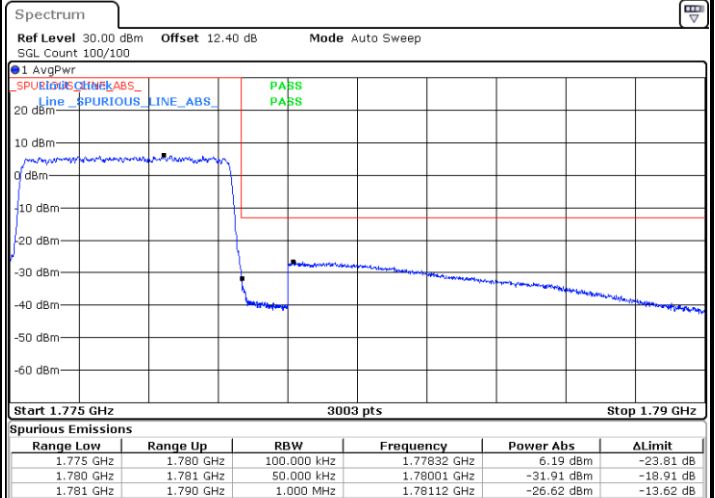
LTE Band 66 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Date: 19.OCT.2023 11:27:50

Highest Band Edge / Full RB



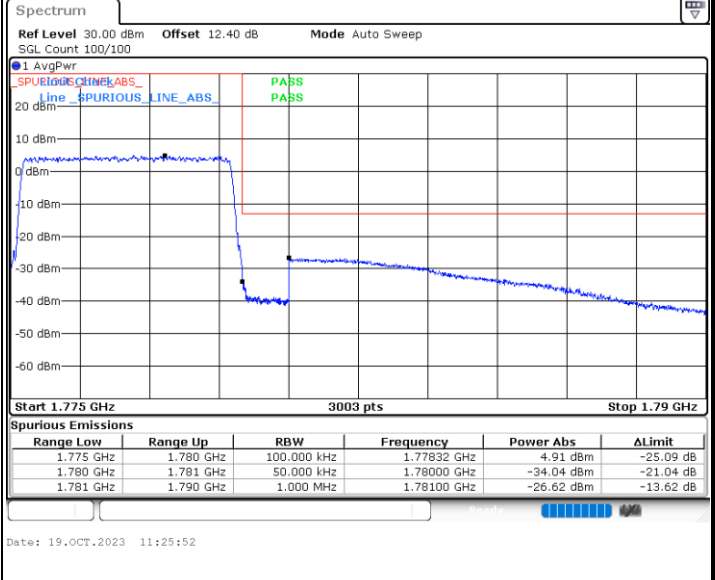
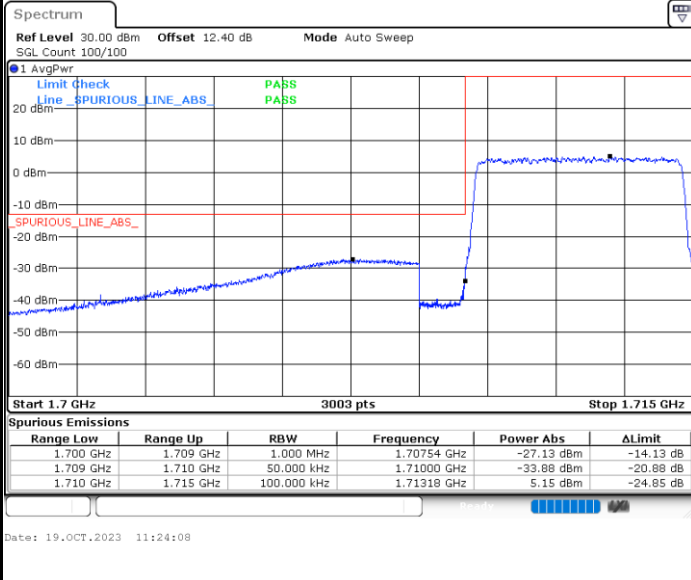
Date: 19.OCT.2023 11:31:48



LTE Band 66 / 5MHz / 64QAM

Lowest Band Edge / Full RB

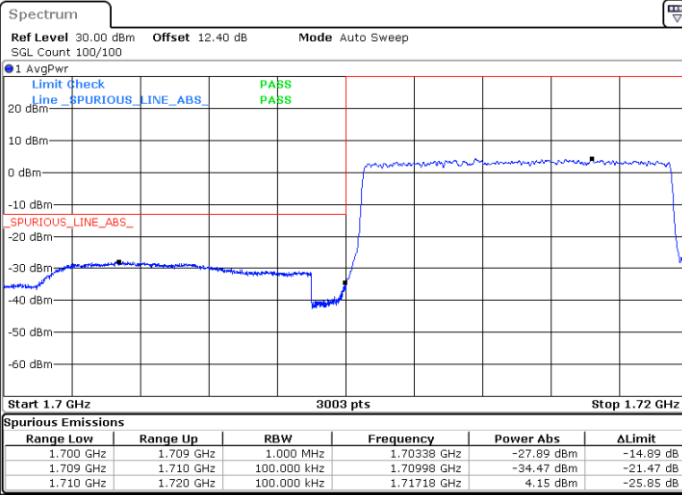
Highest Band Edge / Full RB



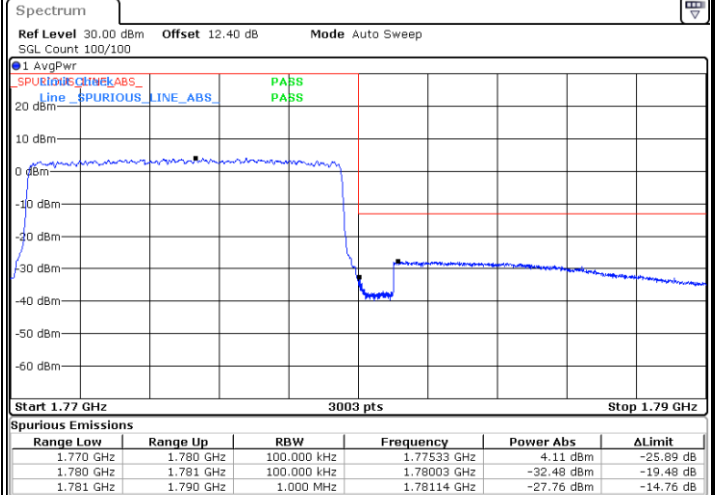


LTE Band 66 / 10MHz / QPSK

Lowest Band Edge / Full RB

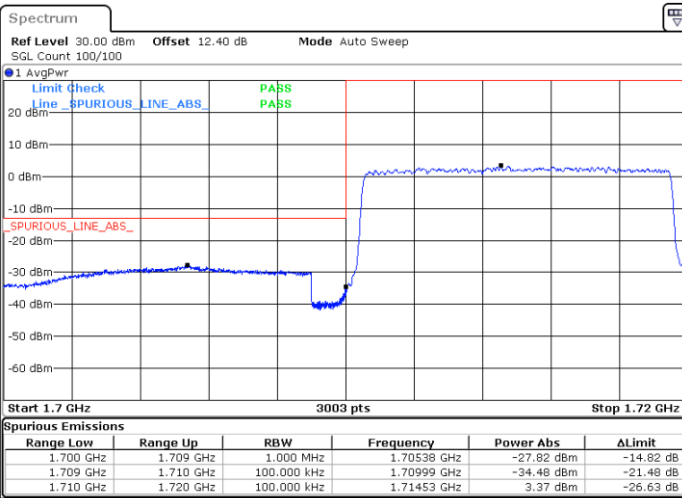


Highest Band Edge / Full RB

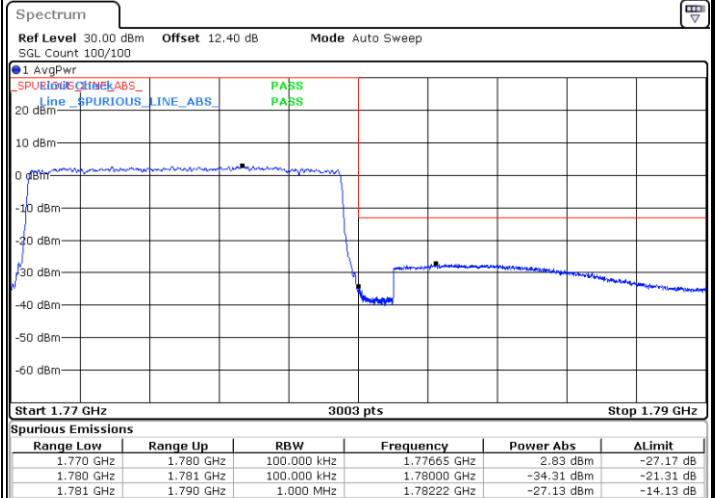


LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

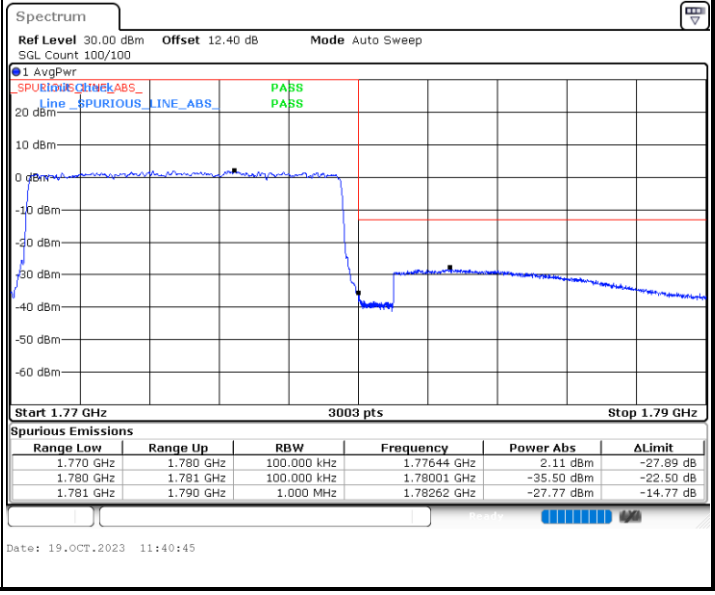
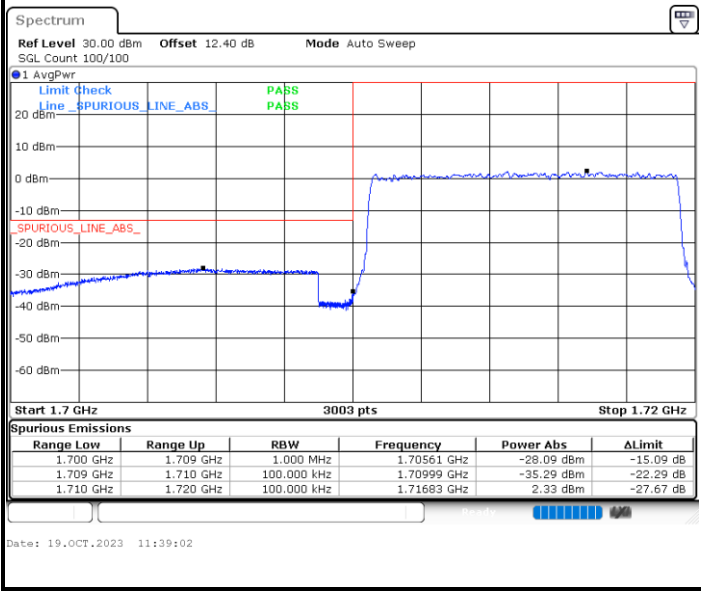




LTE Band 66 / 10MHz / 64QAM

Lowest Band Edge / Full RB

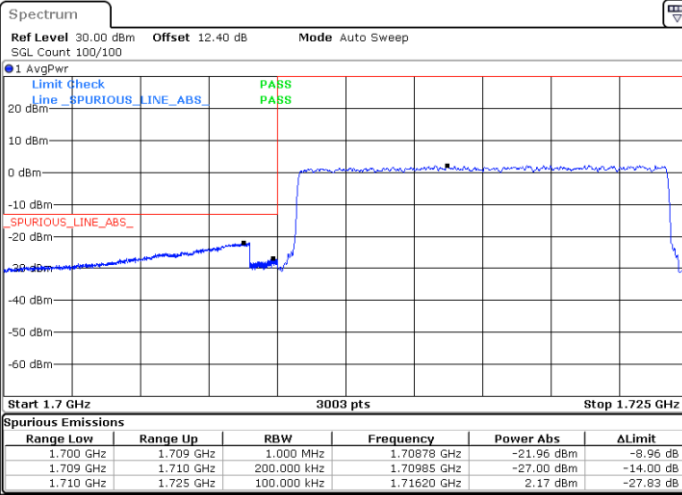
Highest Band Edge / Full RB





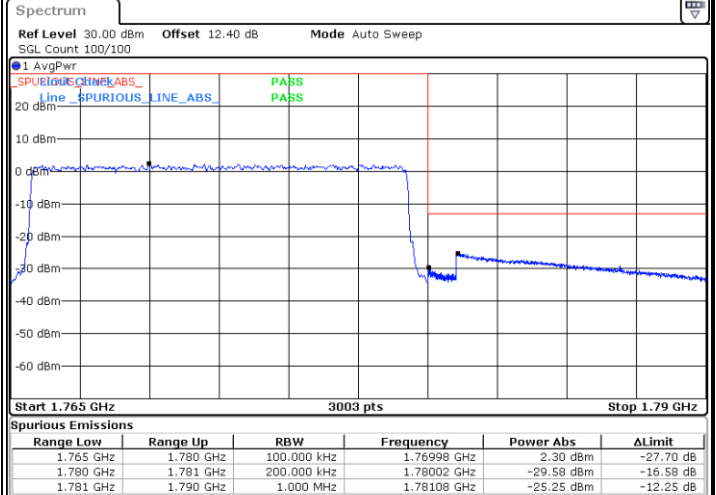
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 19.OCT.2023 11:44:35

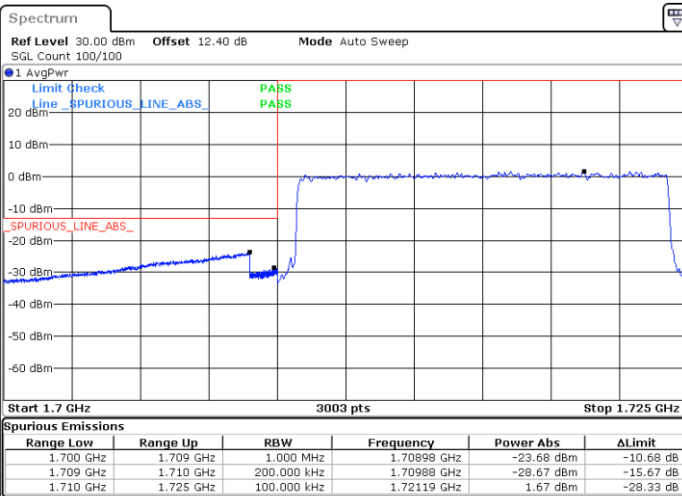
Highest Band Edge / Full RB



Date: 19.OCT.2023 11:48:33

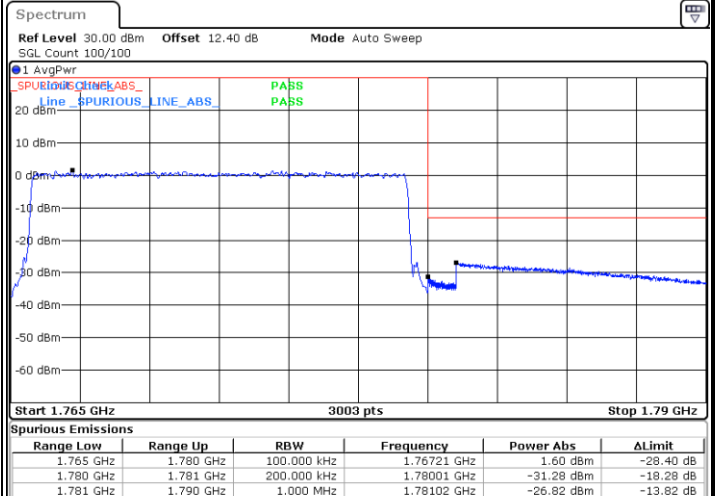
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 19.OCT.2023 11:45:35

Highest Band Edge / Full RB



Date: 19.OCT.2023 11:49:32

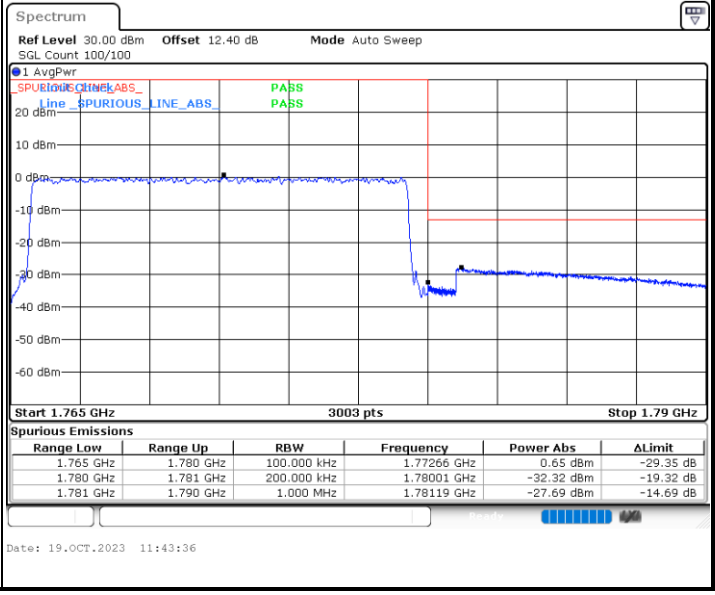
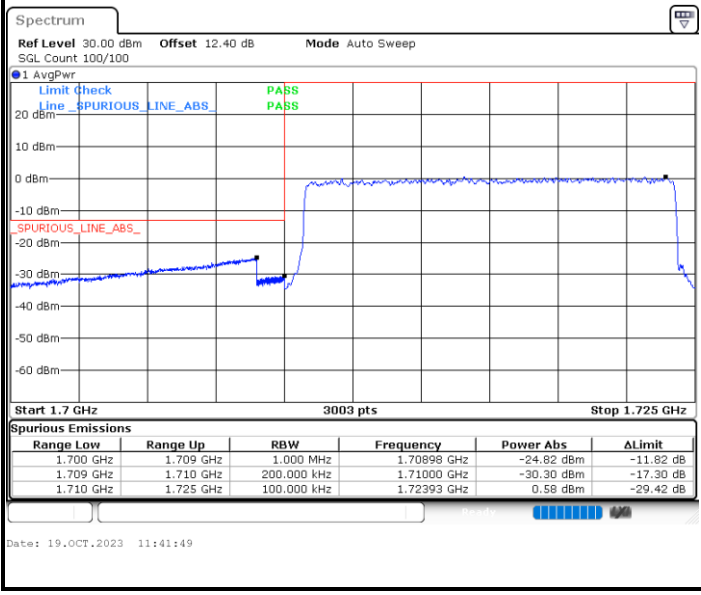




LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / Full RB

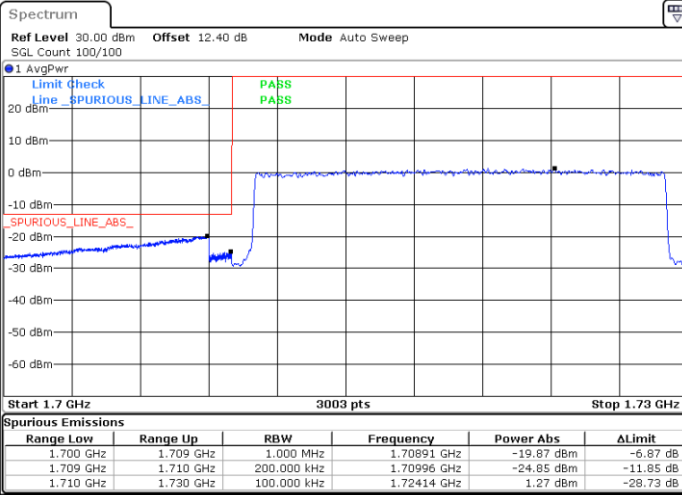
Highest Band Edge / Full RB





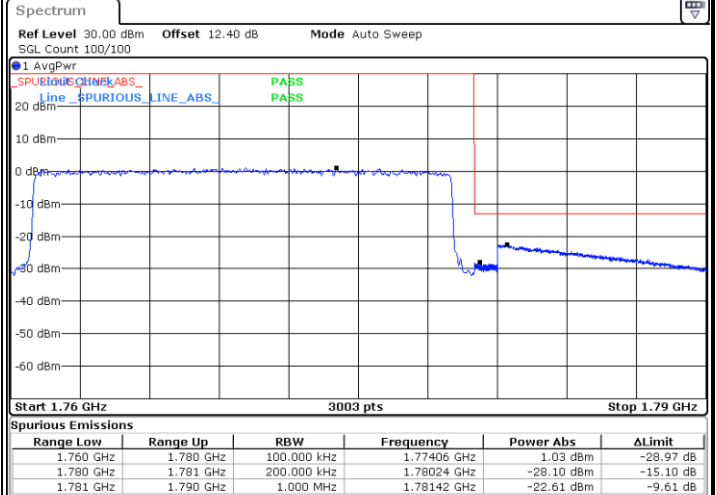
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 19.OCT.2023 11:50:51

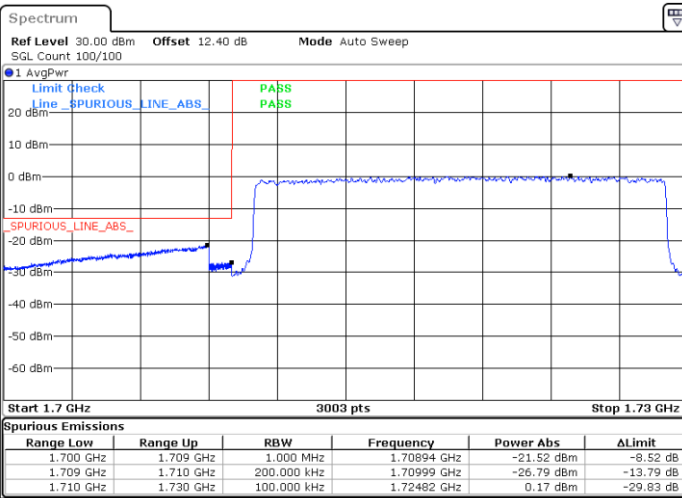
Highest Band Edge / Full RB



Date: 19.OCT.2023 11:54:48

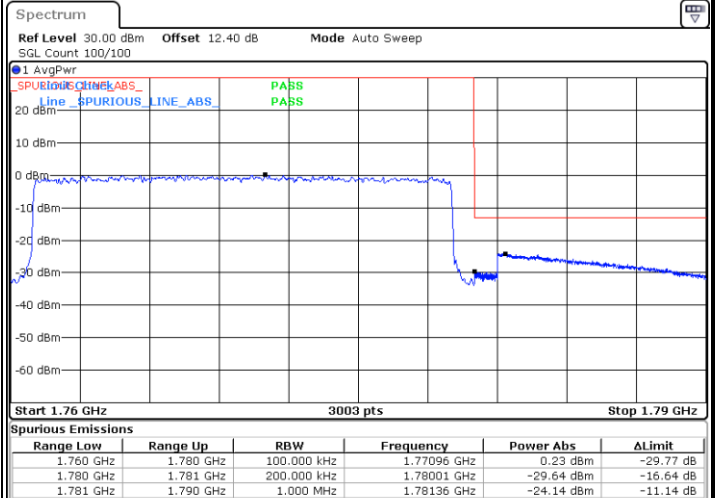
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 19.OCT.2023 11:51:50

Highest Band Edge / Full RB



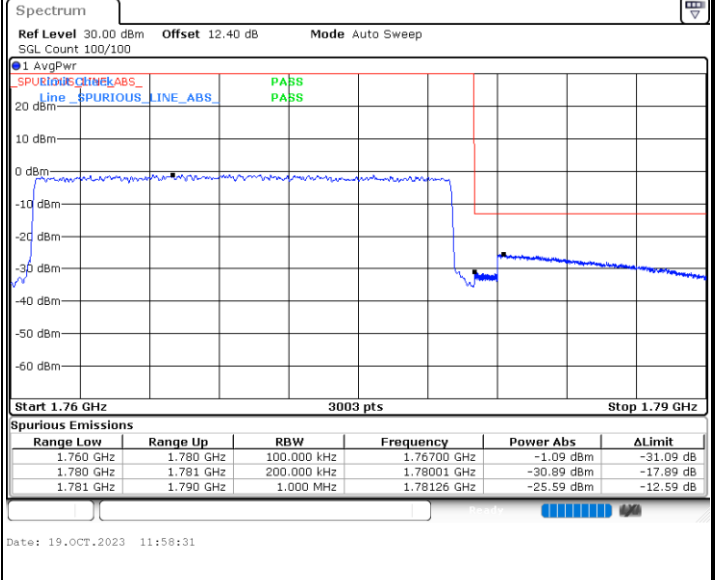
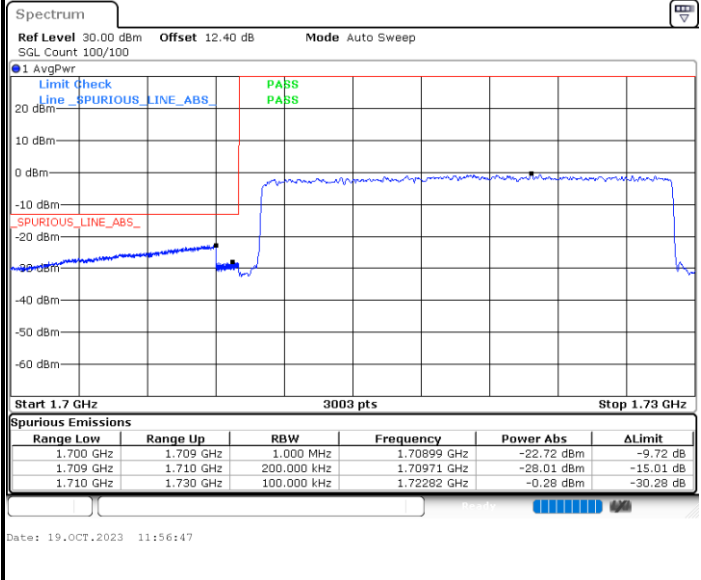
Date: 19.OCT.2023 11:55:48



LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



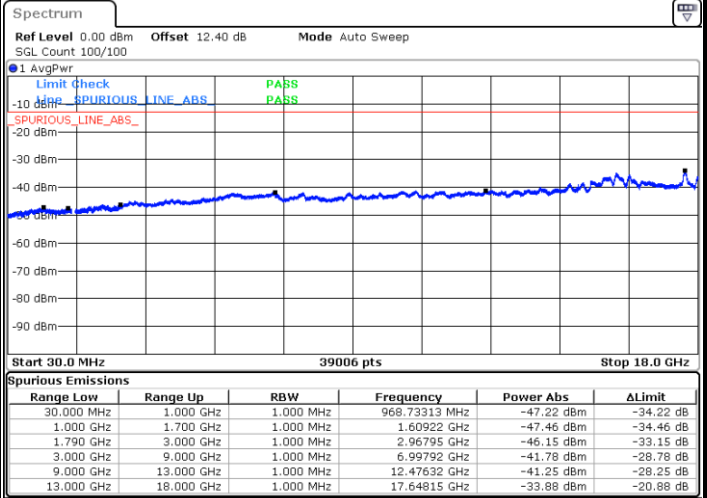
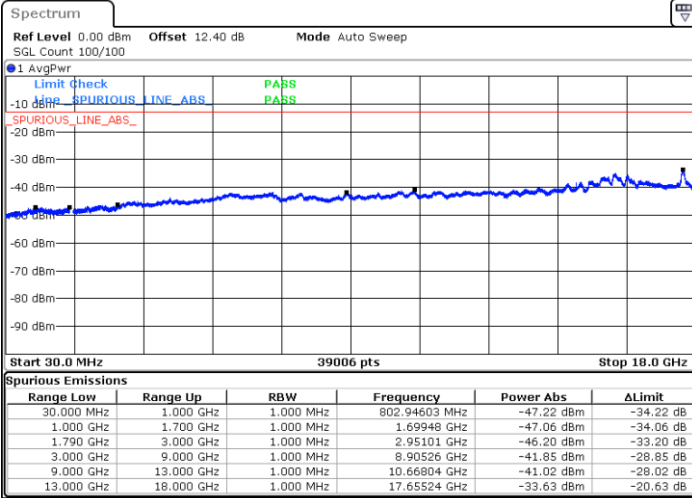


# Conducted Spurious Emission

## LTE Band 66 / 1.4MHz

### Lowest Channel / QPSK

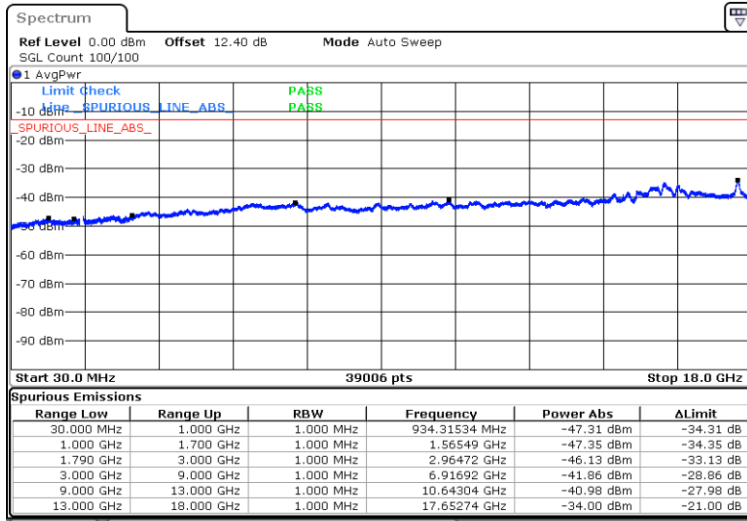
### Middle Channel / QPSK



Date: 19.OCT.2023 11:01:02

Date: 19.OCT.2023 11:04:20

### Highest Channel / QPSK



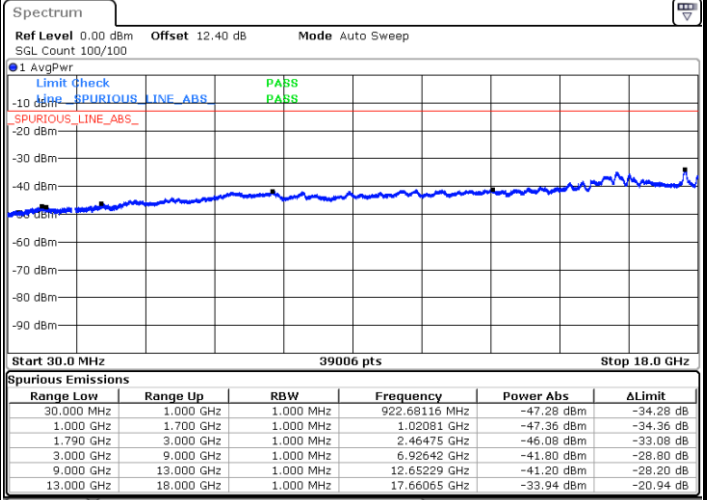
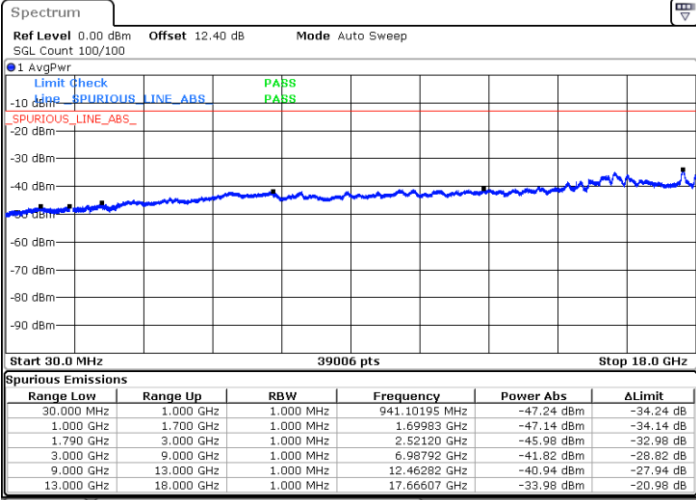
Date: 19.OCT.2023 11:09:38



LTE Band 66 / 3MHz

Lowest Channel / QPSK

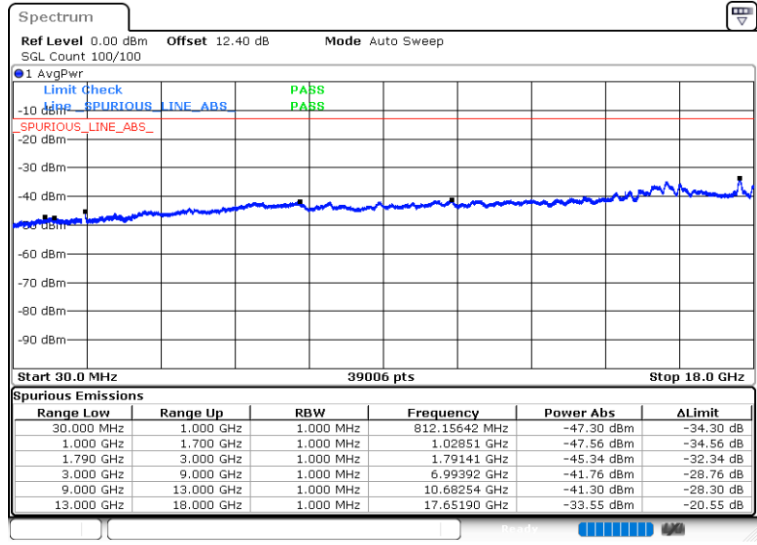
Middle Channel / QPSK



Date: 19.OCT.2023 12:01:27

Date: 19.OCT.2023 12:02:45

Highest Channel / QPSK



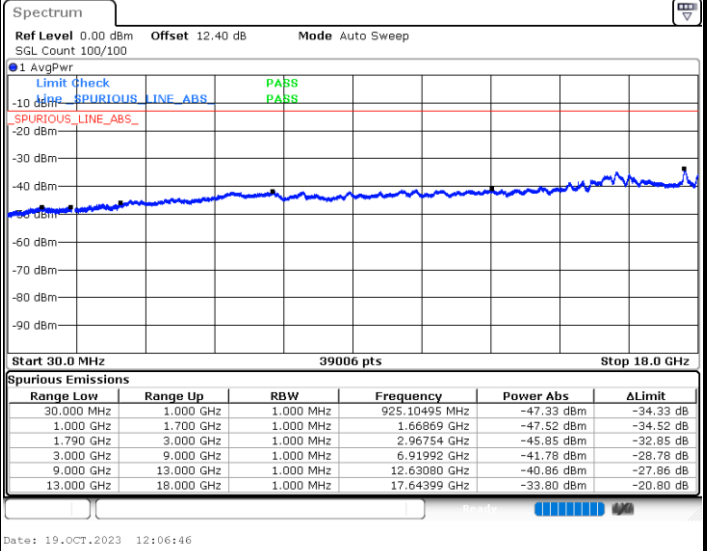
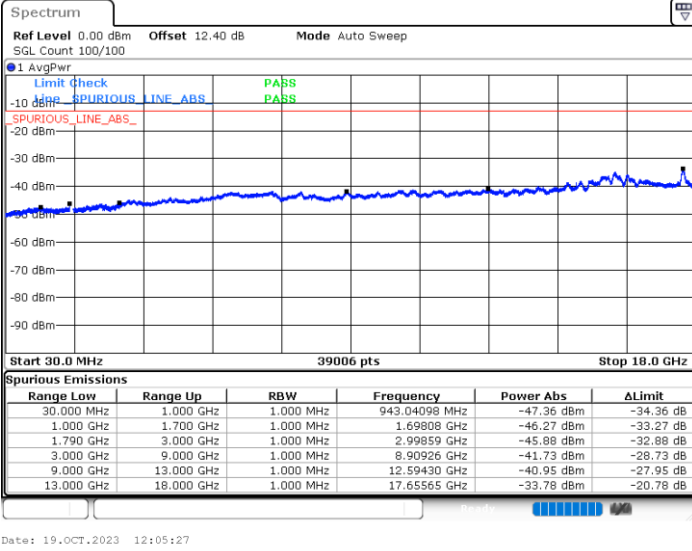
Date: 19.OCT.2023 12:04:04



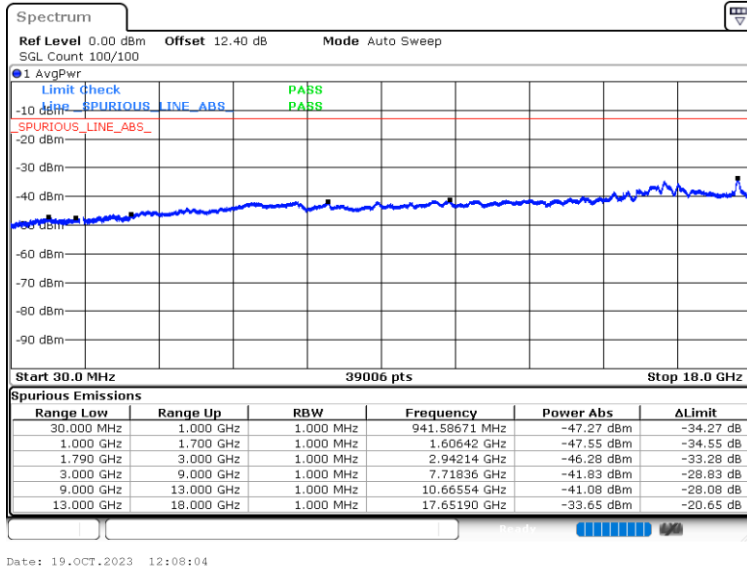
LTE Band 66 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

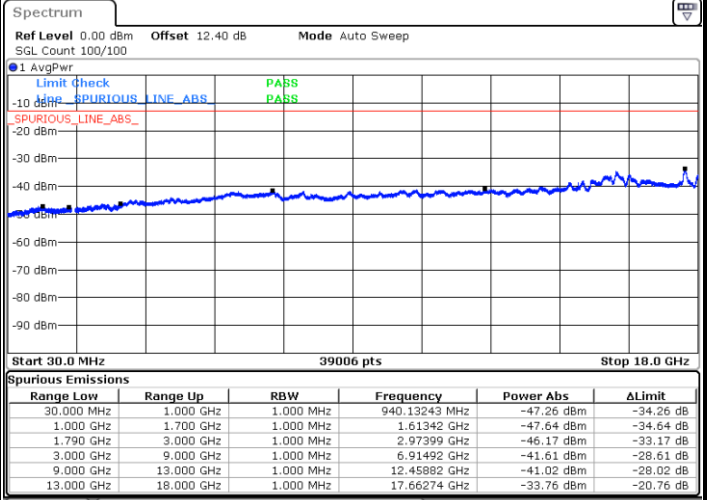
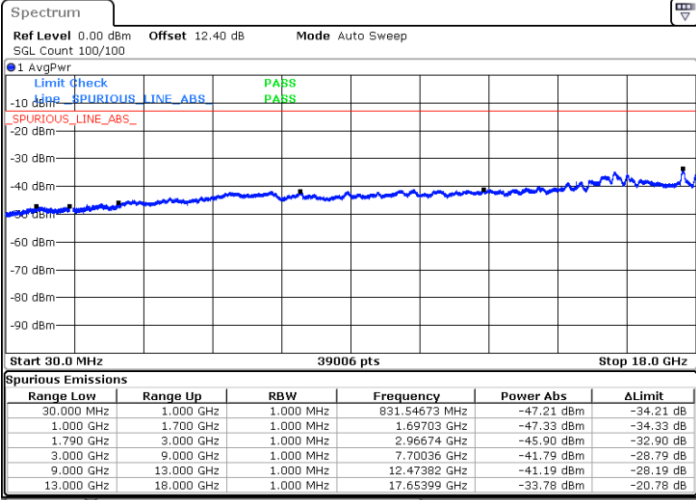




LTE Band 66 / 10MHz

Lowest Channel / QPSK

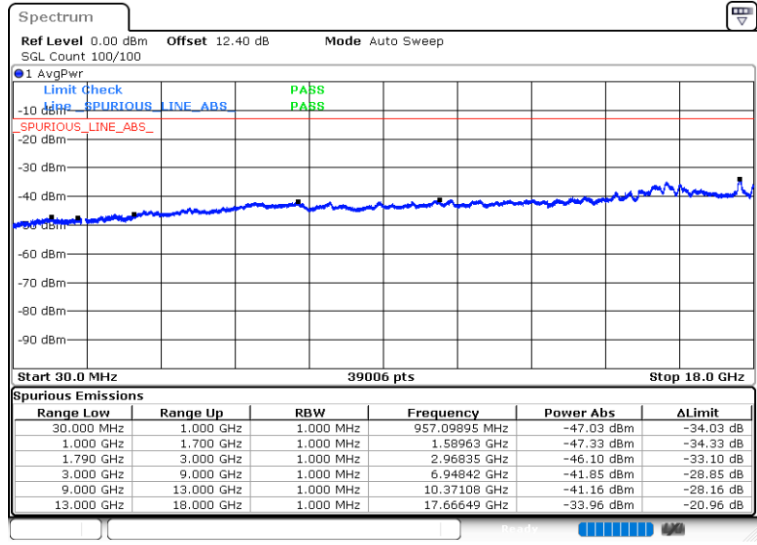
Middle Channel / QPSK



Date: 19.OCT.2023 12:09:28

Date: 19.OCT.2023 12:10:47

Highest Channel / QPSK



Date: 19.OCT.2023 12:12:05