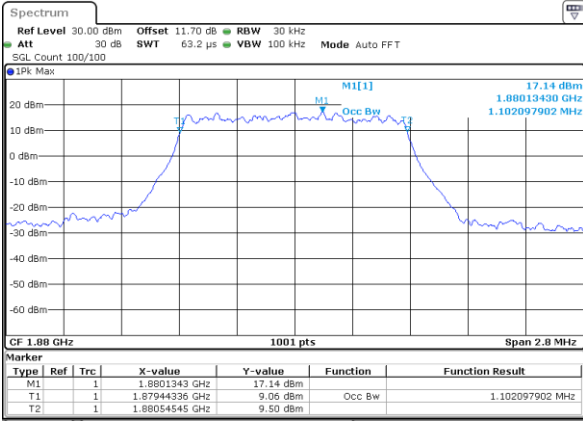




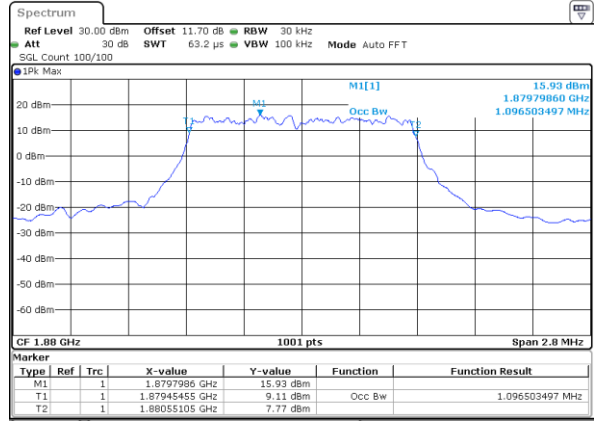
LTE Band 2

Middle Channel / 1.4MHz / QPSK



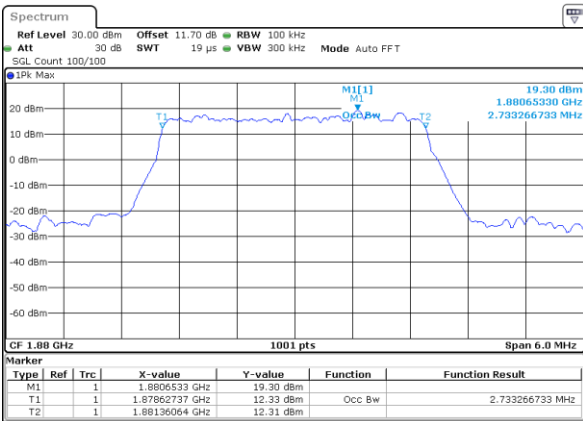
Date: 17.FEB.2023 17:50:05

Middle Channel / 1.4MHz / 16QAM



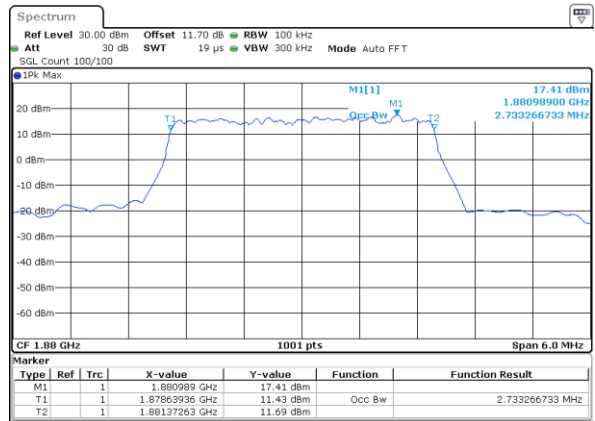
Date: 17.FEB.2023 17:50:34

Middle Channel / 3MHz / QPSK



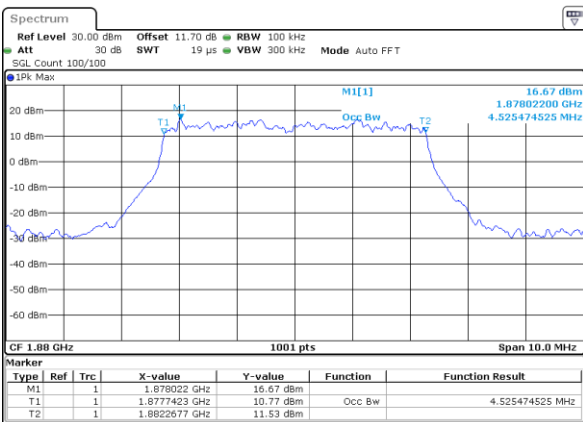
Date: 17.FEB.2023 18:13:28

Middle Channel / 3MHz / 16QAM



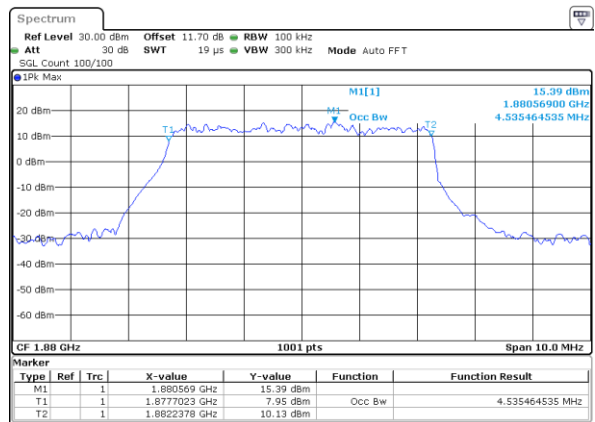
Date: 17.FEB.2023 18:13:57

Middle Channel / 5MHz / QPSK



Date: 17.FEB.2023 18:29:15

Middle Channel / 5MHz / 16QAM

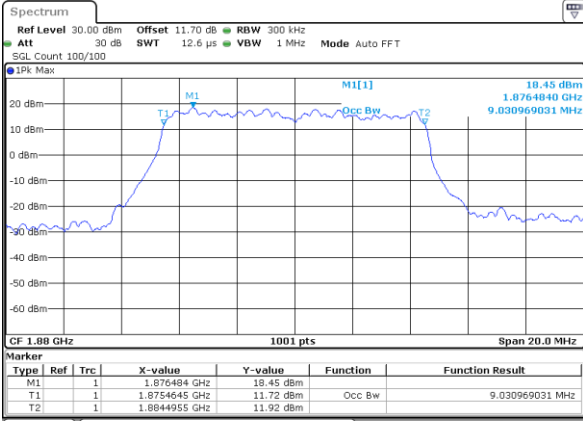


Date: 17.FEB.2023 18:29:45



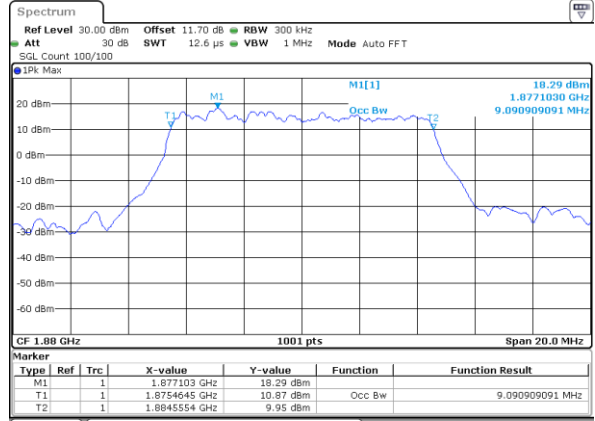
LTE Band 2

Middle Channel / 10MHz / QPSK



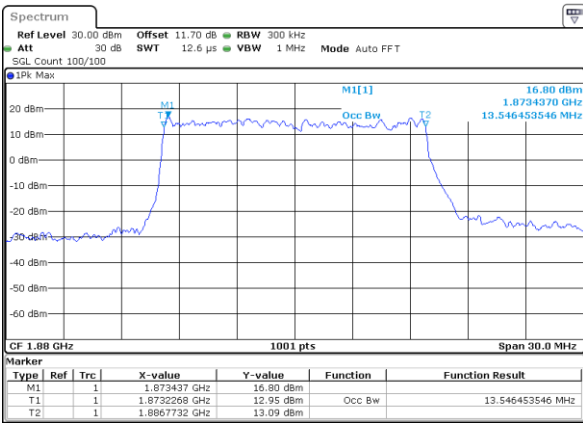
Date: 17.FEB.2023 18:43:43

Middle Channel / 10MHz / 16QAM



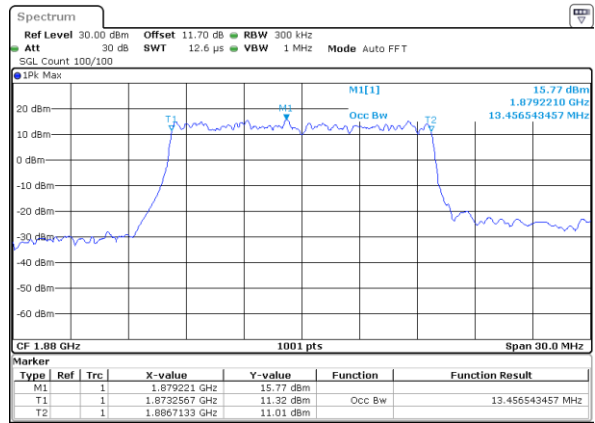
Date: 17.FEB.2023 18:44:11

Middle Channel / 15MHz / QPSK



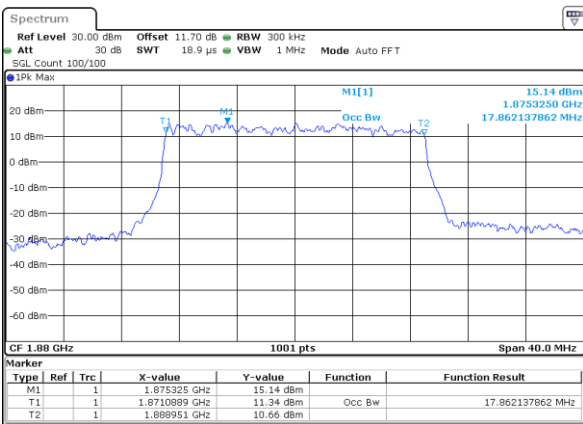
Date: 17.FEB.2023 18:58:09

Middle Channel / 15MHz / 16QAM



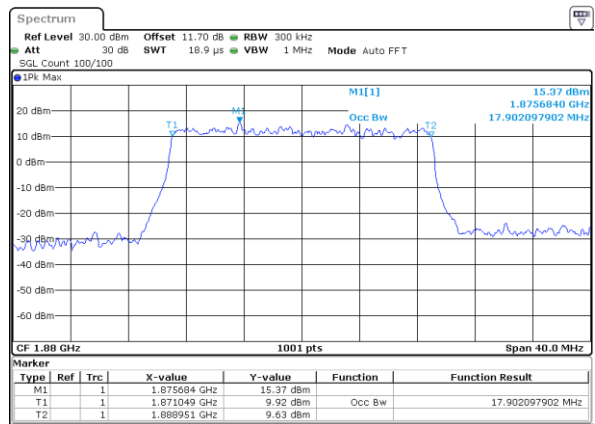
Date: 17.FEB.2023 18:58:38

Middle Channel / 20MHz / QPSK



Date: 17.FEB.2023 19:19:02

Middle Channel / 20MHz / 16QAM

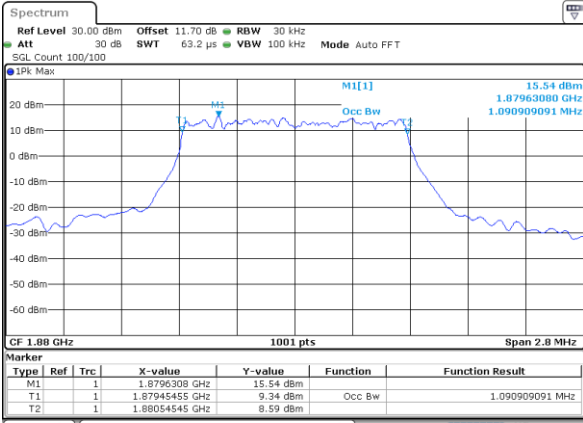


Date: 17.FEB.2023 19:19:31



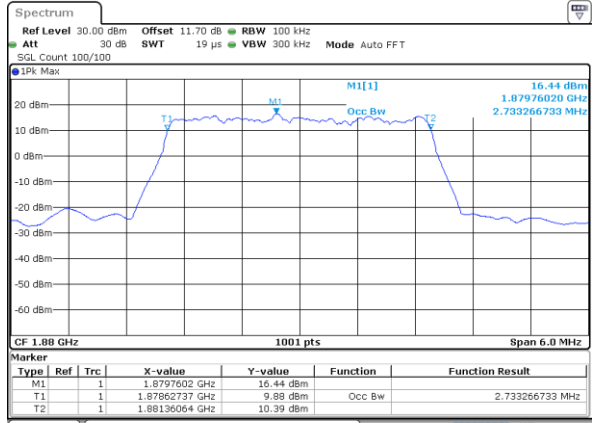
LTE Band 2

Middle Channel / 1.4MHz / 64QAM



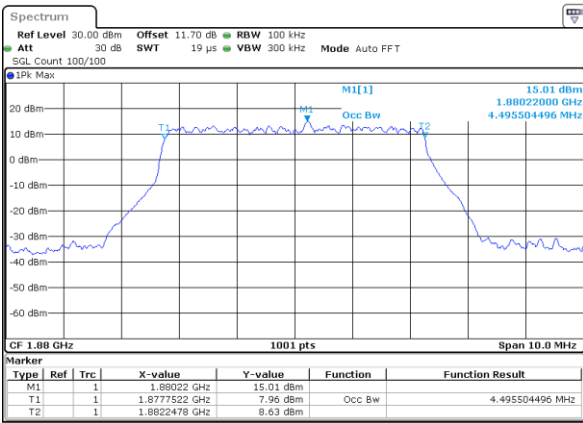
Date: 17.FEB.2023 17:41:56

Middle Channel / 3MHz / 64QAM



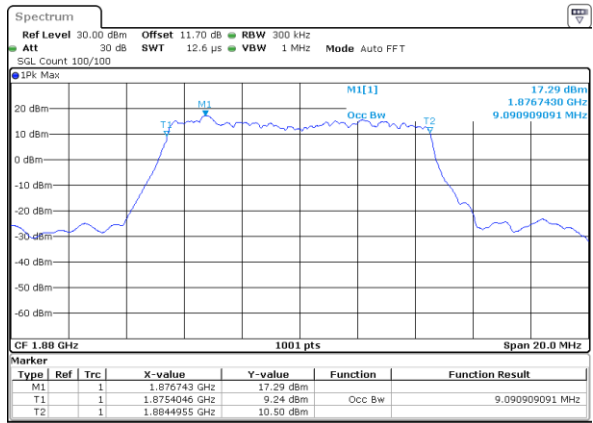
Date: 17.FEB.2023 18:22:21

Middle Channel / 5MHz / 64QAM



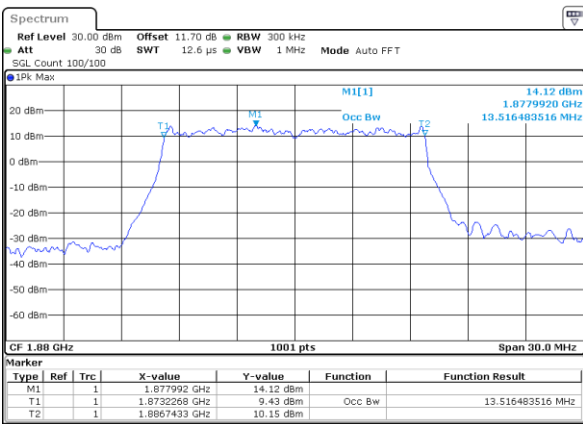
Date: 17.FEB.2023 18:34:15

Middle Channel / 10MHz / 64QAM



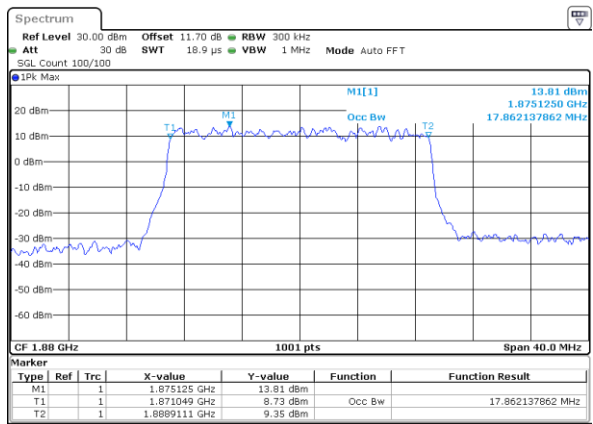
Date: 17.FEB.2023 18:52:34

Middle Channel / 15MHz / 64QAM



Date: 17.FEB.2023 19:03:08

Middle Channel / 20MHz / 64QAM

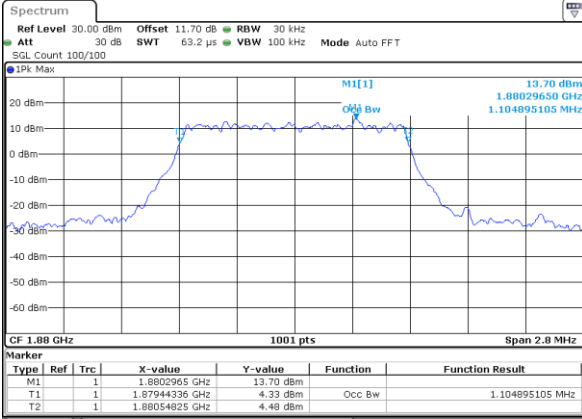


Date: 17.FEB.2023 19:23:59



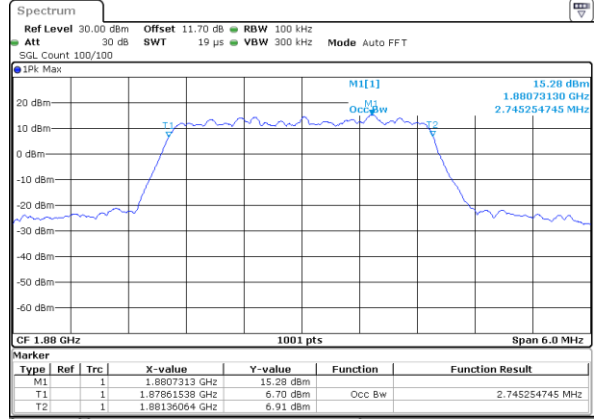
LTE Band 2

Middle Channel / 1.4MHz / 256QAM



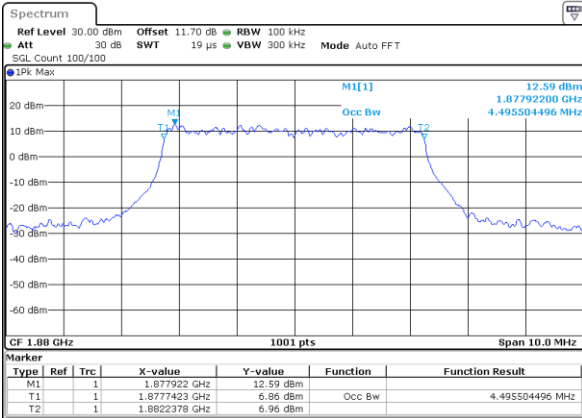
Date: 17.FEB.2023 19:39:01

Middle Channel / 3MHz / 256QAM



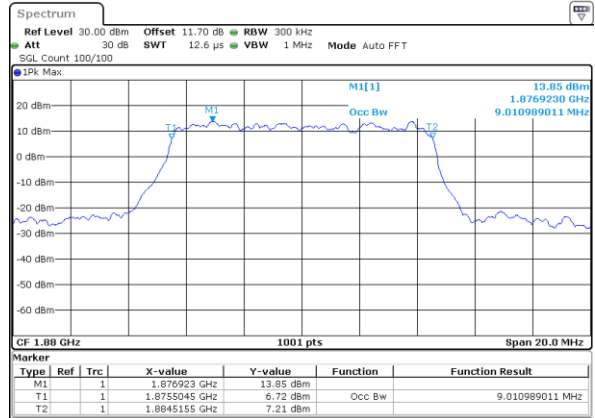
Date: 17.FEB.2023 19:44:43

Middle Channel / 5MHz / 256QAM



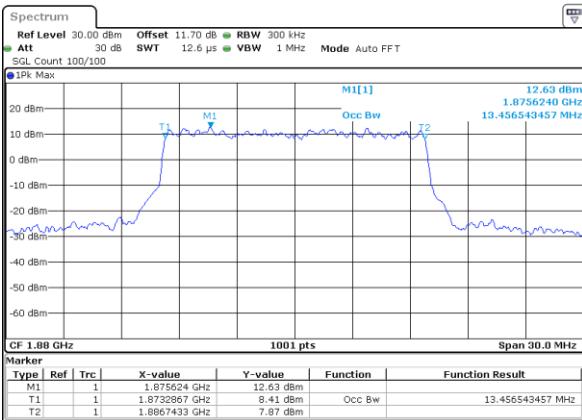
Date: 17.FEB.2023 19:47:32

Middle Channel / 10MHz / 256QAM



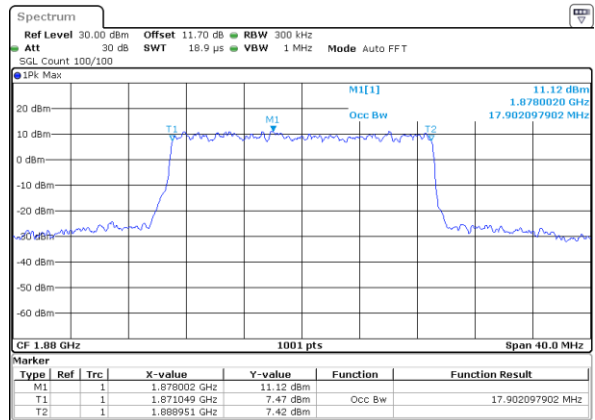
Date: 17.FEB.2023 19:50:22

Middle Channel / 15MHz / 256QAM



Date: 17.FEB.2023 19:53:10

Middle Channel / 20MHz / 256QAM



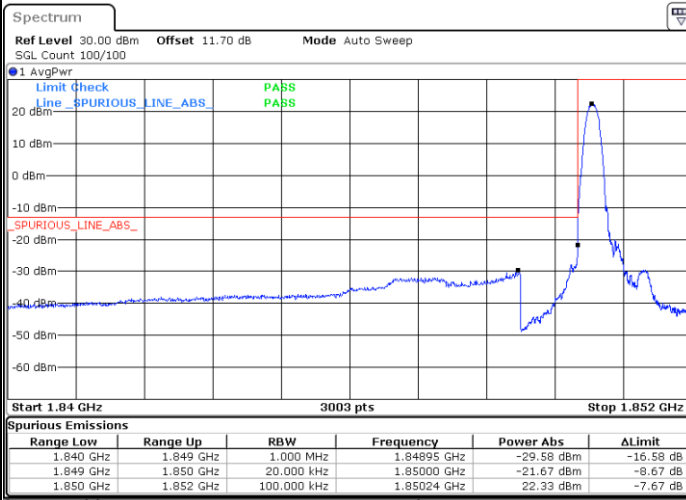
Date: 17.FEB.2023 19:56:01



# Conducted Band Edge

## LTE Band 2 / 1.4MHz / QPSK

### Lowest Band Edge / 1RB



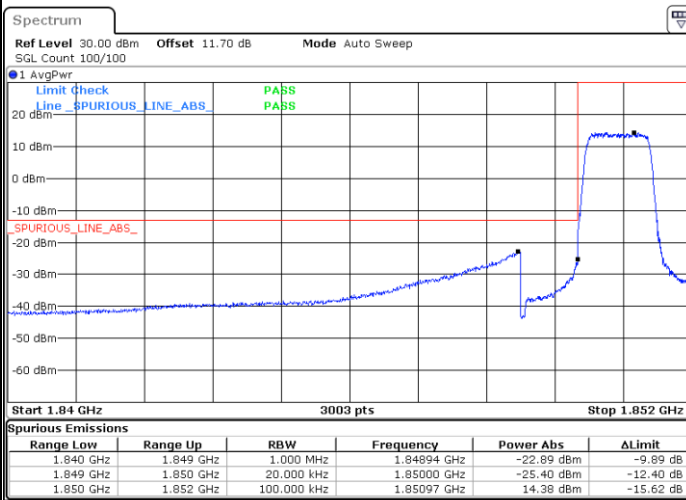
Date: 17.FEB.2023 17:45:11

### Highest Band Edge / 1RB



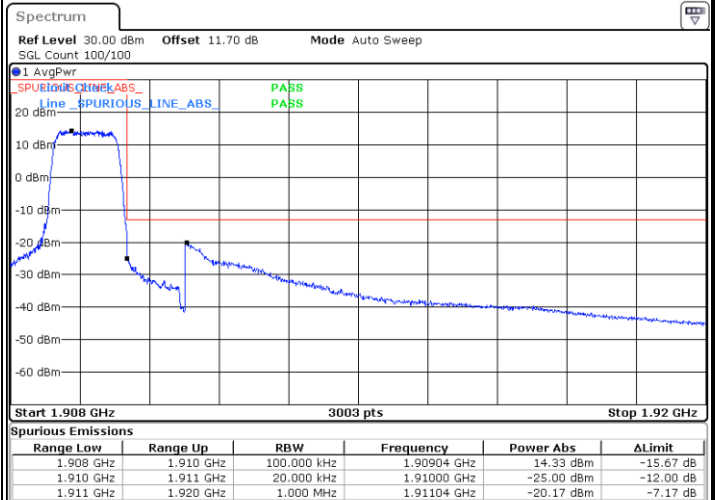
Date: 17.FEB.2023 17:53:49

### Lowest Band Edge / Full RB



Date: 17.FEB.2023 17:47:11

### Highest Band Edge / Full RB

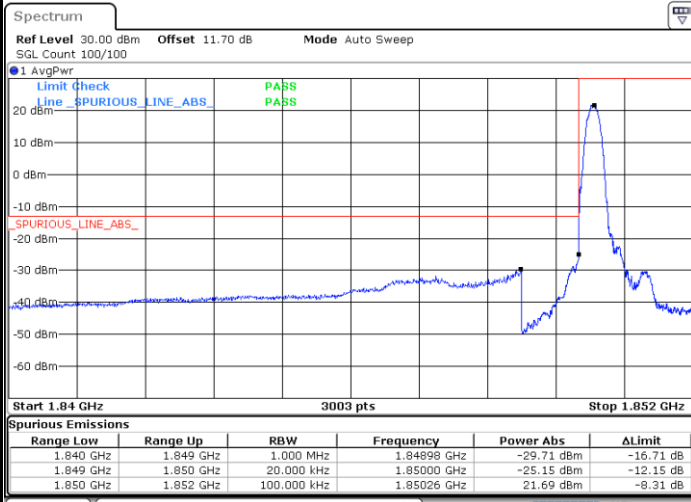


Date: 17.FEB.2023 17:55:49

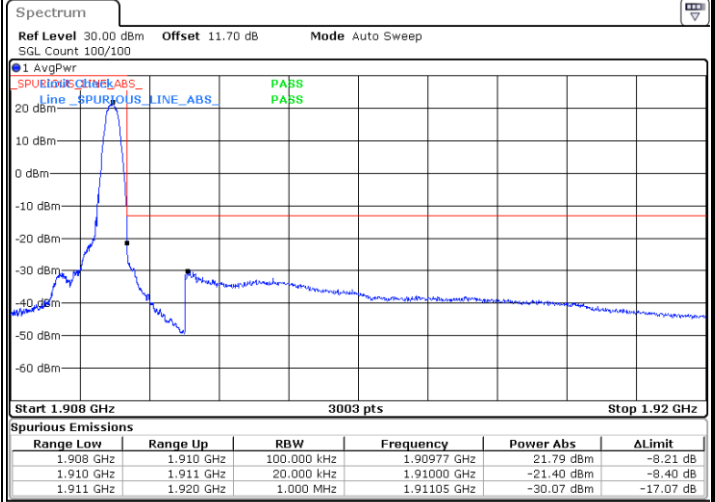


LTE Band 2 / 1.4MHz / 16QAM

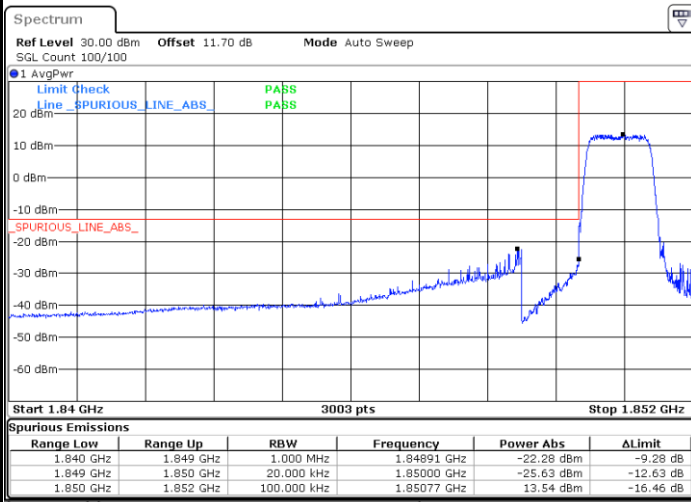
Lowest Band Edge / 1 RB



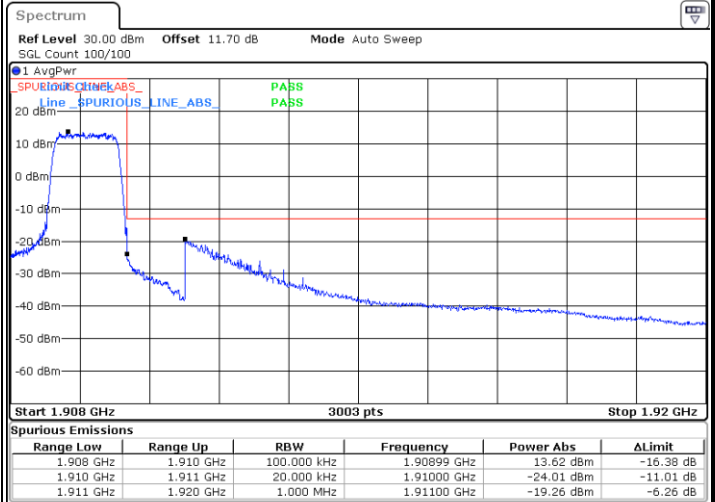
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



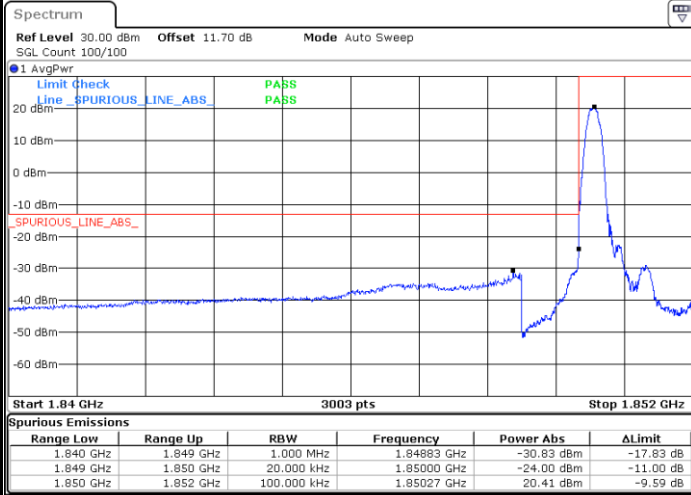
Highest Band Edge / Full RB





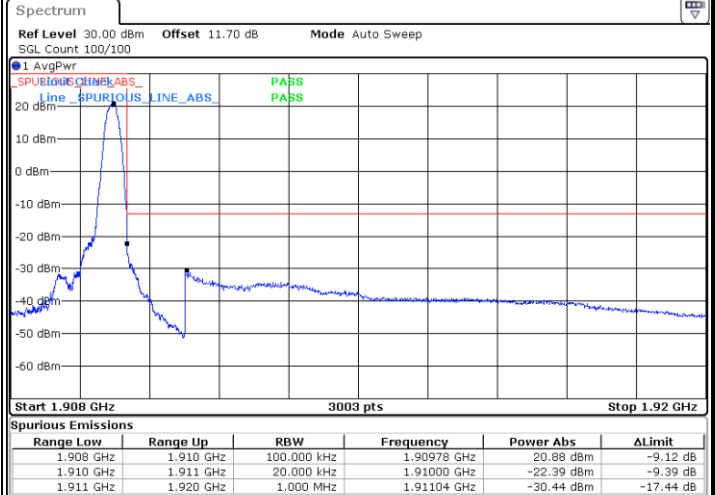
LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



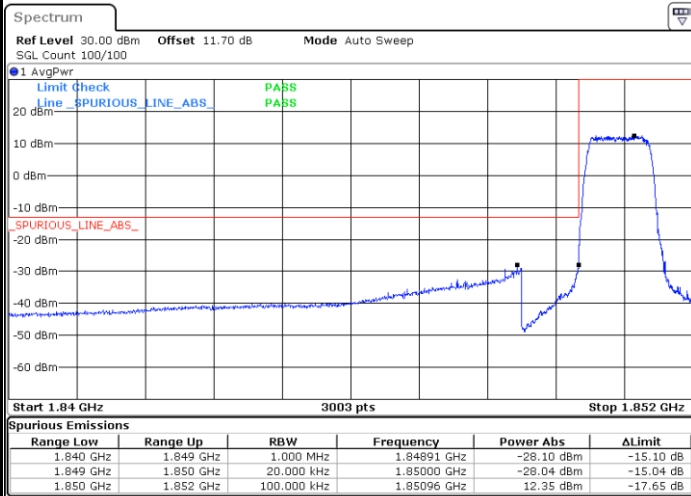
Date: 17.FEB.2023 17:40:23

Highest Band Edge / 1 RB



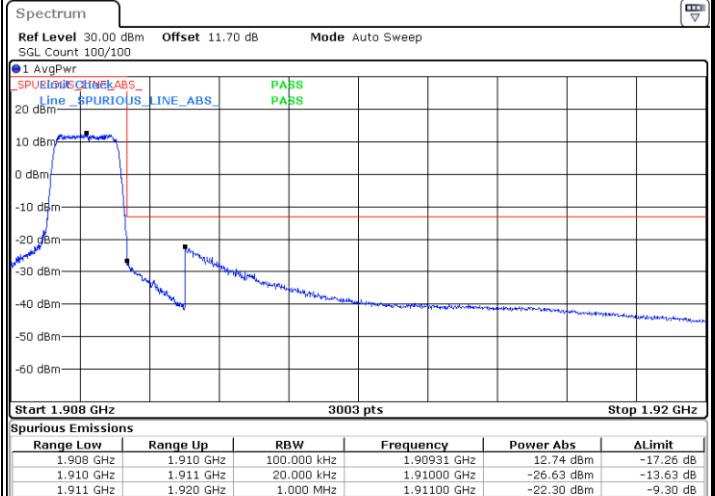
Date: 17.FEB.2023 17:43:09

Lowest Band Edge / Full RB



Date: 17.FEB.2023 17:41:24

Highest Band Edge / Full RB

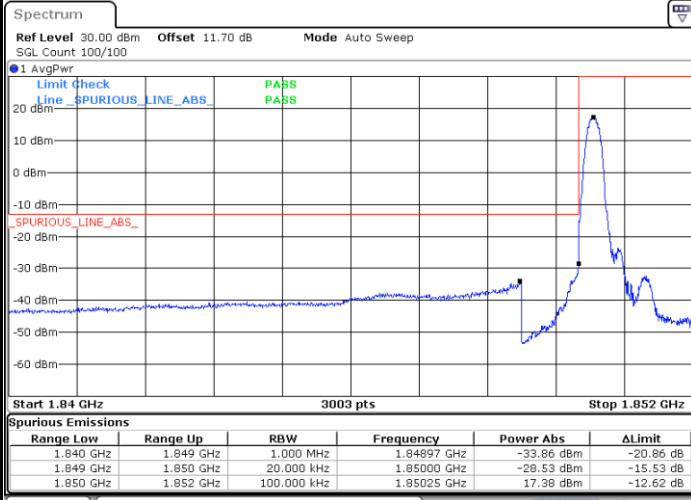


Date: 17.FEB.2023 17:44:11



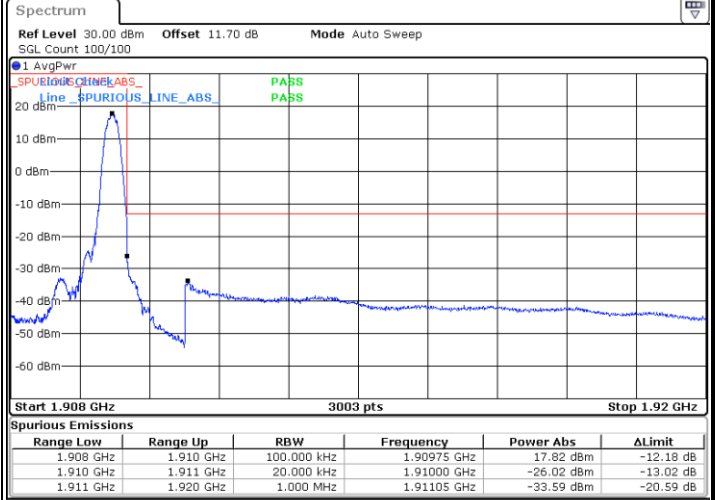
LTE Band 2 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



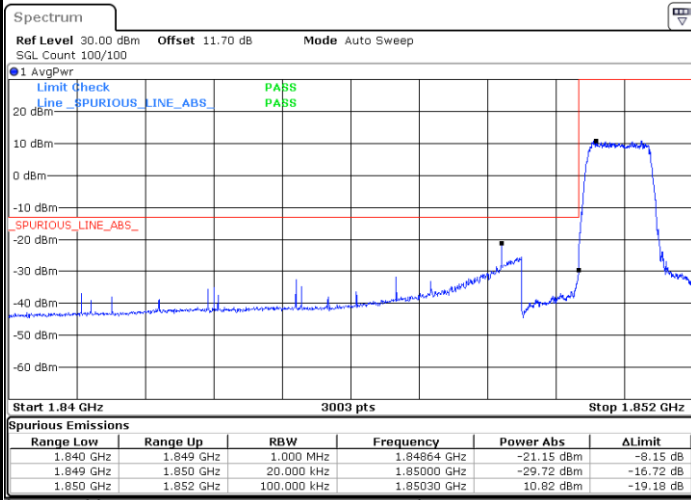
Date: 20.FEB.2023 09:09:50

Highest Band Edge / 1 RB



Date: 17.FEB.2023 19:40:15

Lowest Band Edge / Full RB



Date: 17.FEB.2023 19:38:28

Highest Band Edge / Full RB



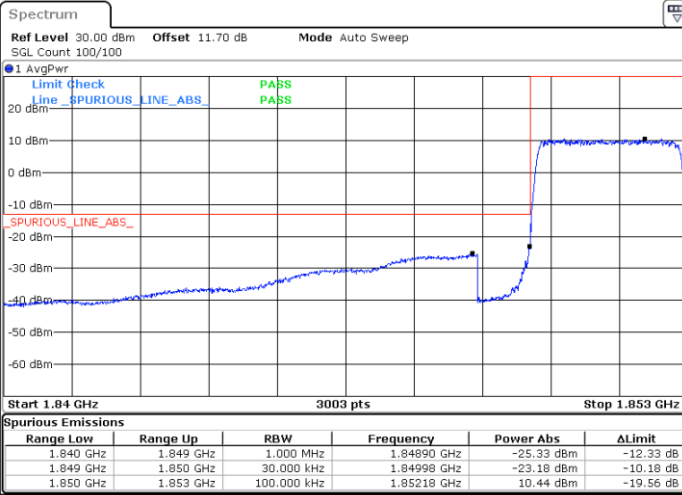
Date: 17.FEB.2023 19:41:15



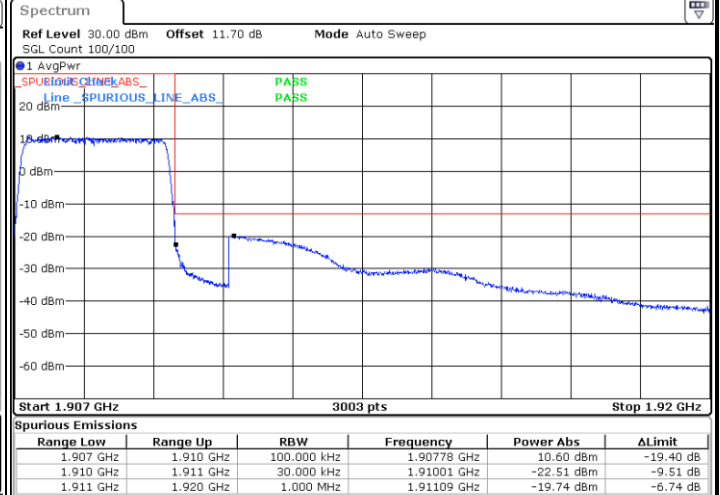


LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / Full RB

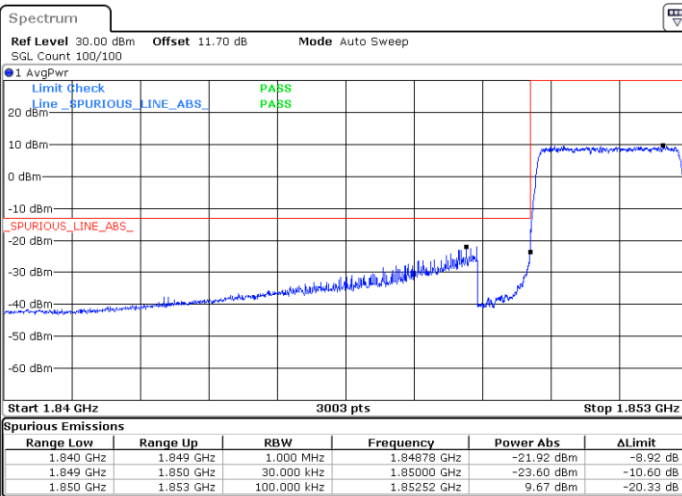


Highest Band Edge / Full RB

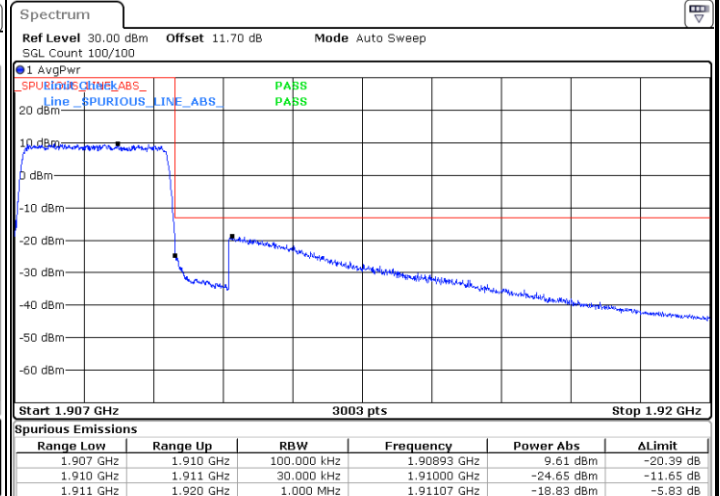


LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / Full RB



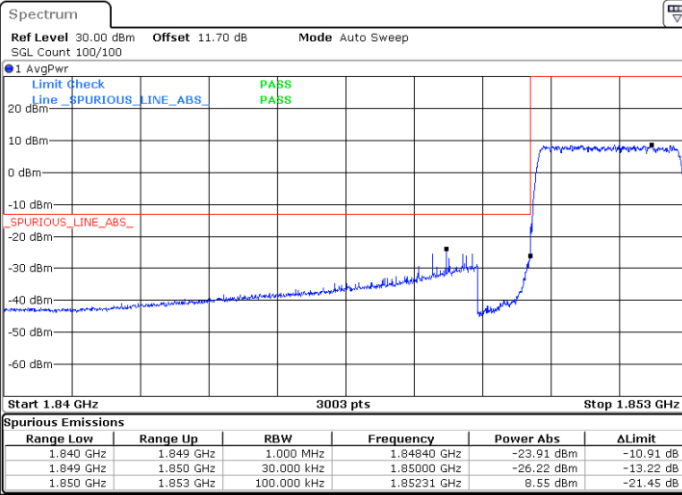
Highest Band Edge / Full RB





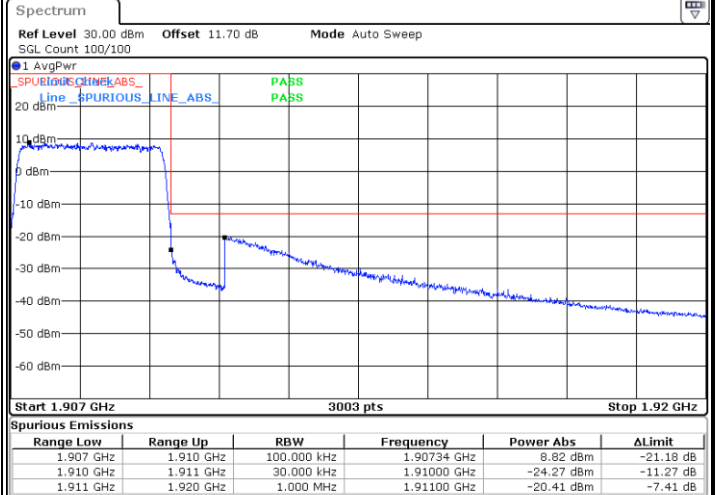
LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / Full RB



Date: 17.FEB.2023 18:21:50

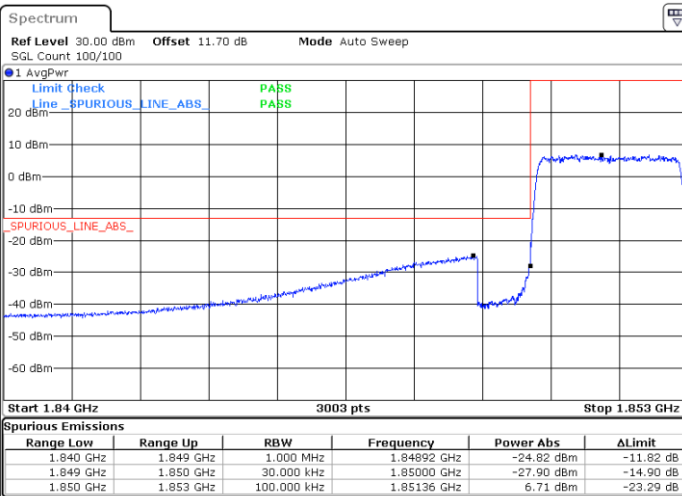
Highest Band Edge / Full RB



Date: 17.FEB.2023 18:23:33

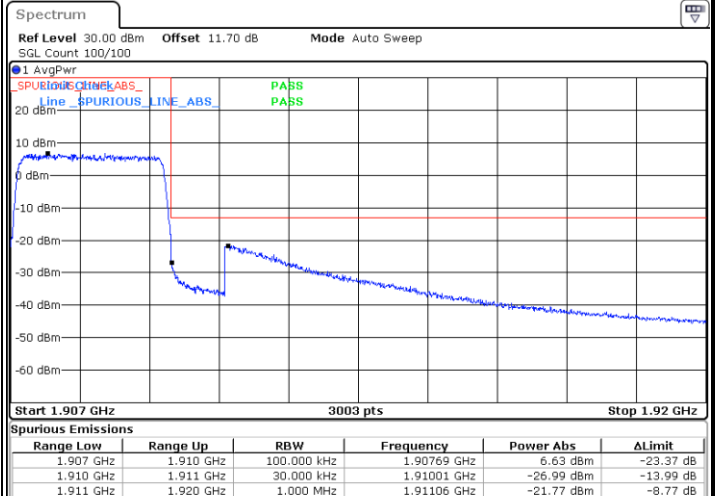
LTE Band 2 / 3MHz / 256QAM

Lowest Band Edge / Full RB



Date: 17.FEB.2023 19:42:20

Highest Band Edge / Full RB

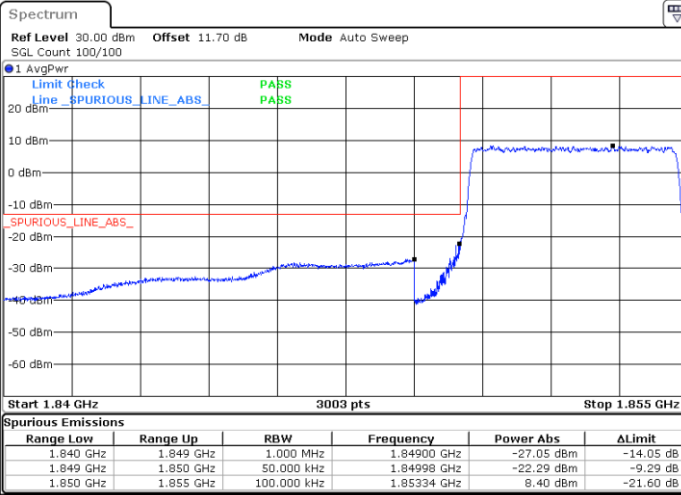


Date: 17.FEB.2023 19:45:55



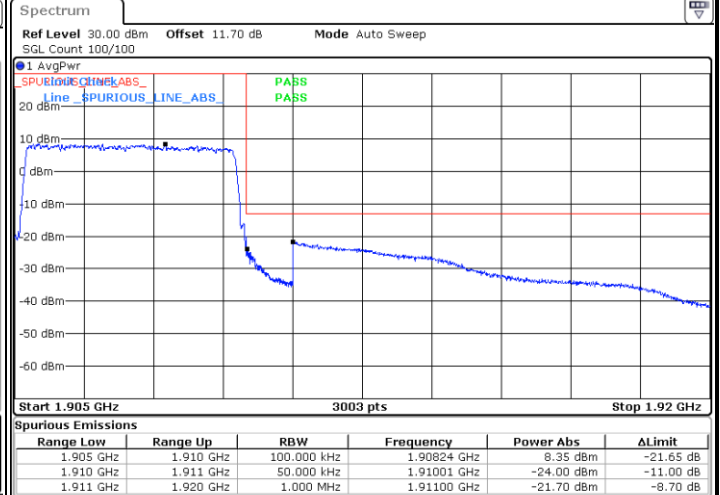
LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / Full RB



Date: 17.FEB.2023 18:27:44

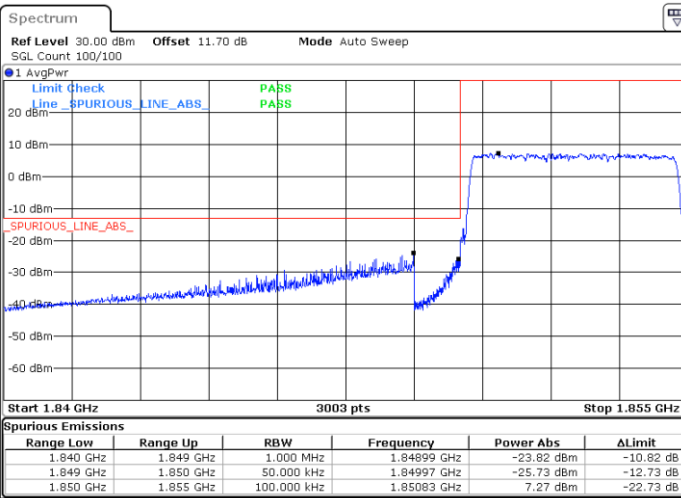
Highest Band Edge / Full RB



Date: 17.FEB.2023 18:31:42

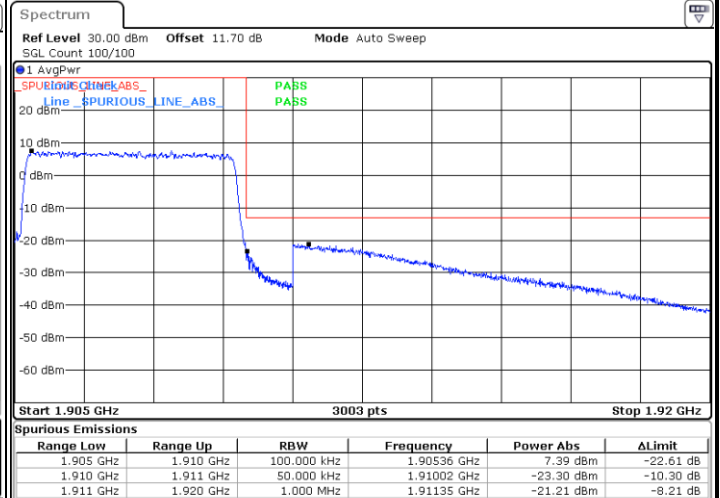
LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Date: 17.FEB.2023 18:28:44

Highest Band Edge / Full RB

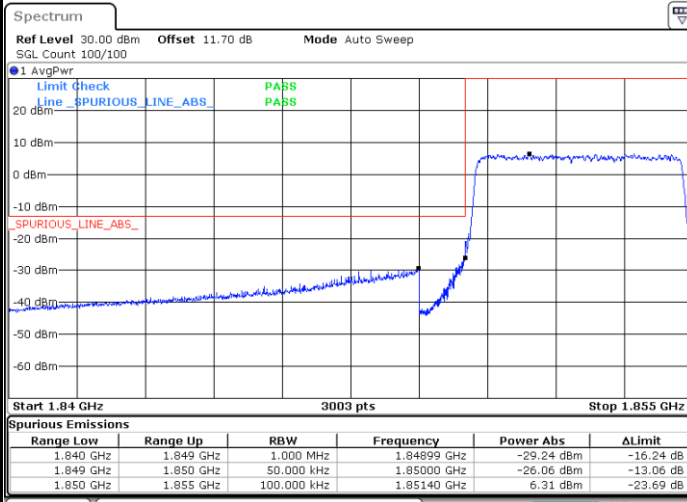


Date: 17.FEB.2023 18:32:43



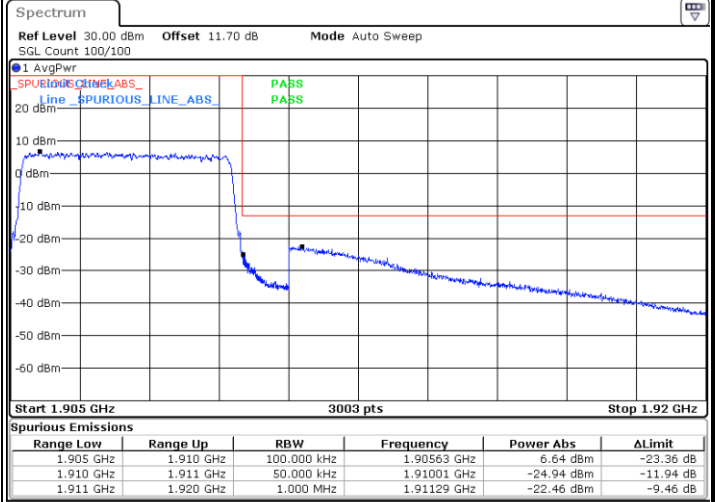
LTE Band 2 / 5MHz / 64QAM

Lowest Band Edge / Full RB



Date: 17.FEB.2023 18:33:44

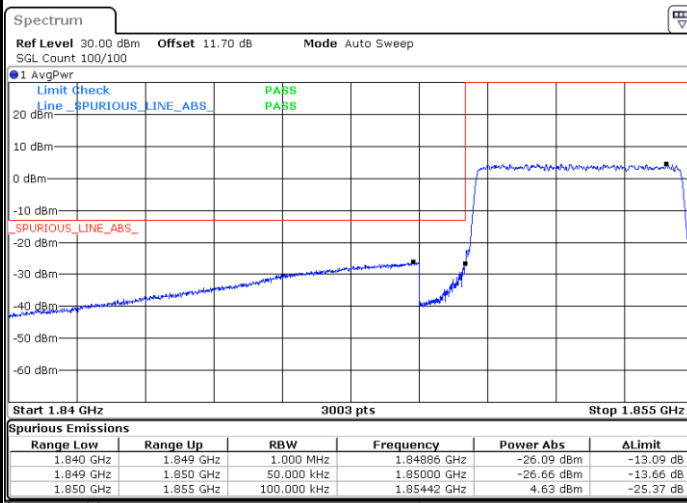
Highest Band Edge / Full RB



Date: 17.FEB.2023 18:39:22

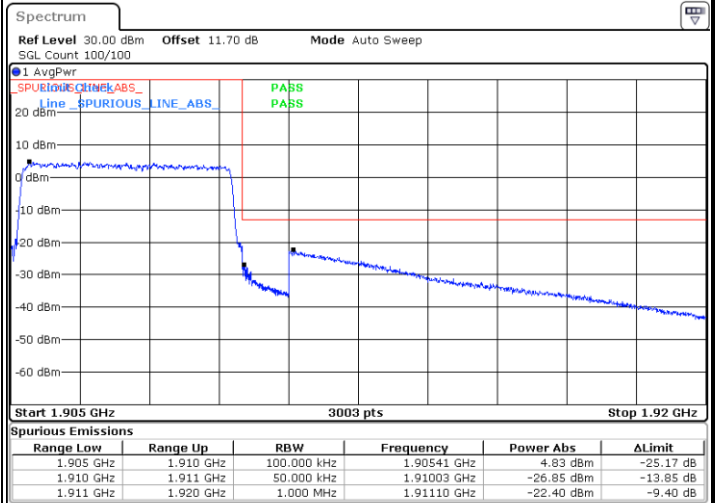
LTE Band 2 / 5MHz / 256QAM

Lowest Band Edge / Full RB



Date: 17.FEB.2023 19:47:01

Highest Band Edge / Full RB

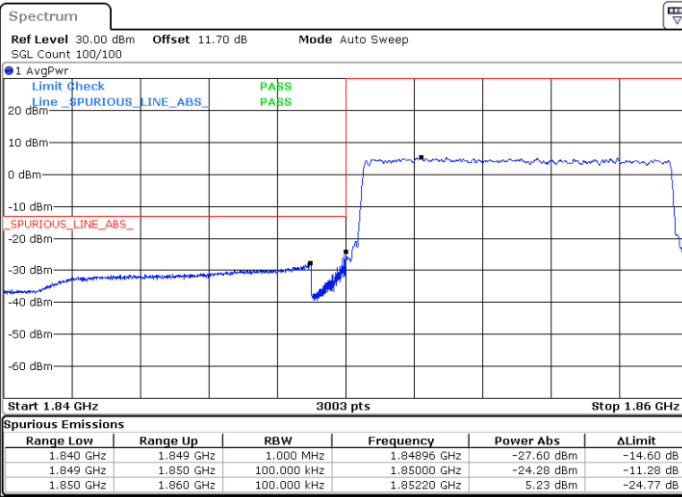


Date: 17.FEB.2023 19:48:44



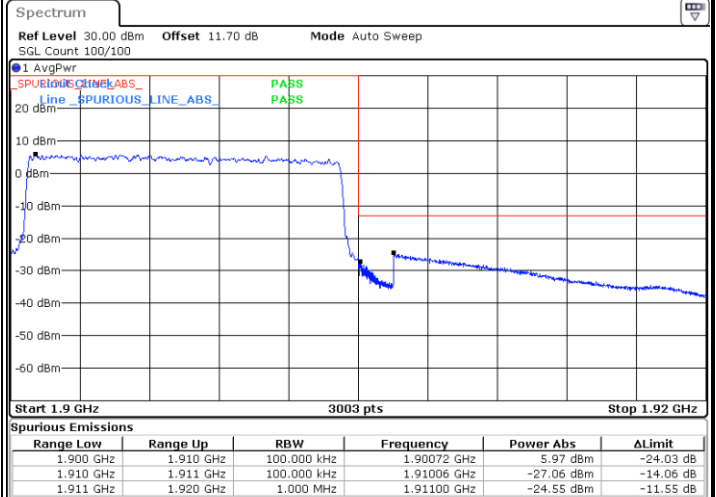
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 17.FEB.2023 18:42:11

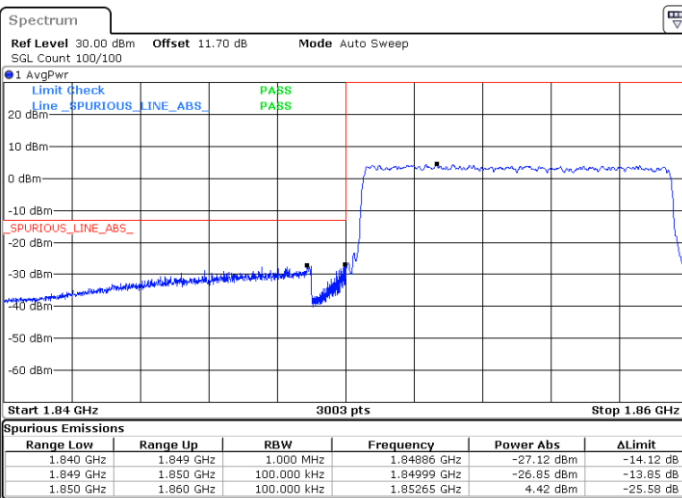
Highest Band Edge / Full RB



Date: 17.FEB.2023 18:50:03

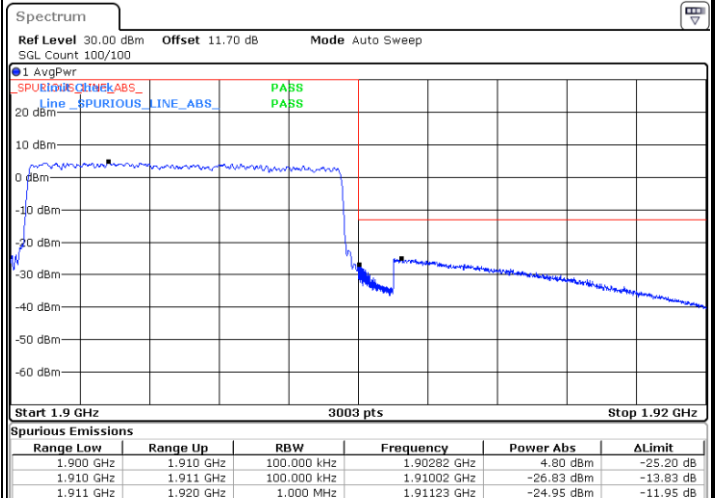
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 17.FEB.2023 18:43:12

Highest Band Edge / Full RB

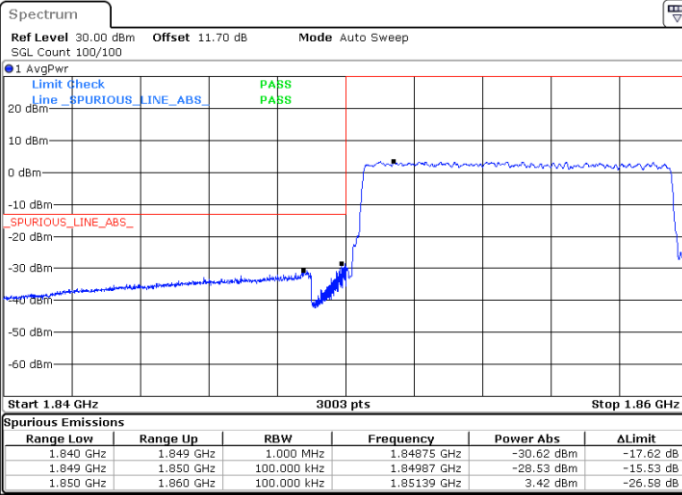


Date: 17.FEB.2023 18:51:04



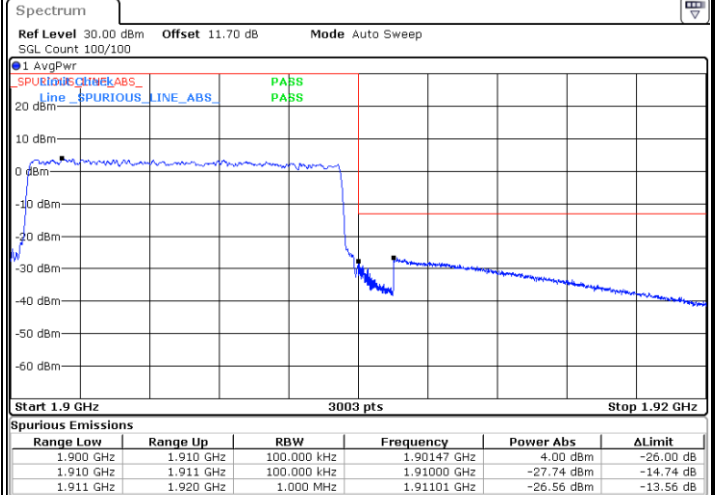
LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 17.FEB.2023 18:52:04

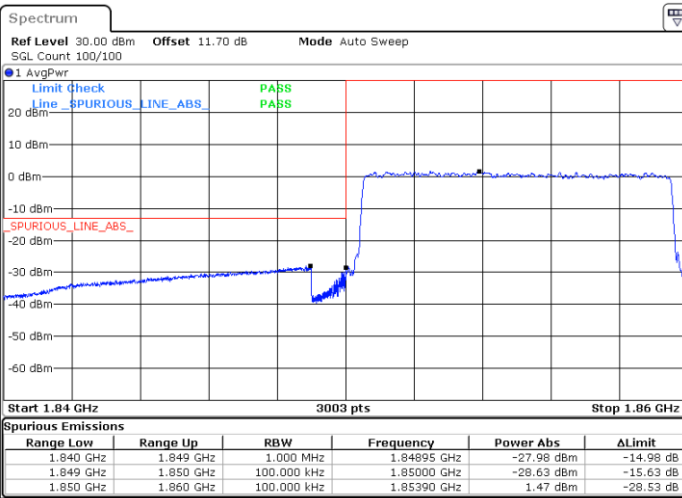
Highest Band Edge / Full RB



Date: 17.FEB.2023 18:53:46

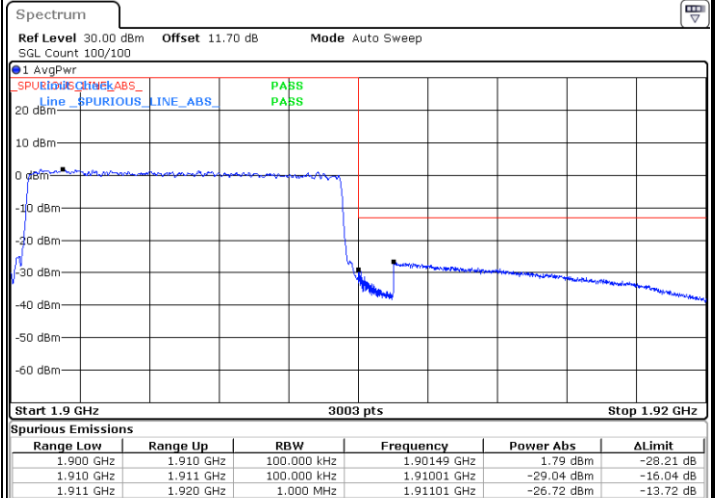
LTE Band 2 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 17.FEB.2023 19:49:51

Highest Band Edge / Full RB

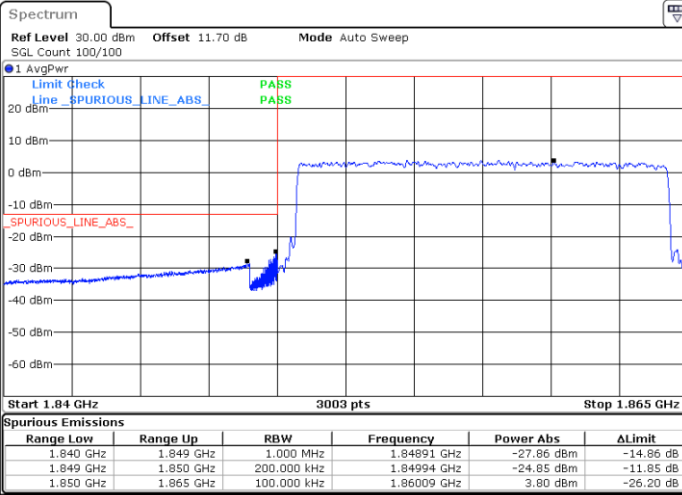


Date: 17.FEB.2023 19:51:34



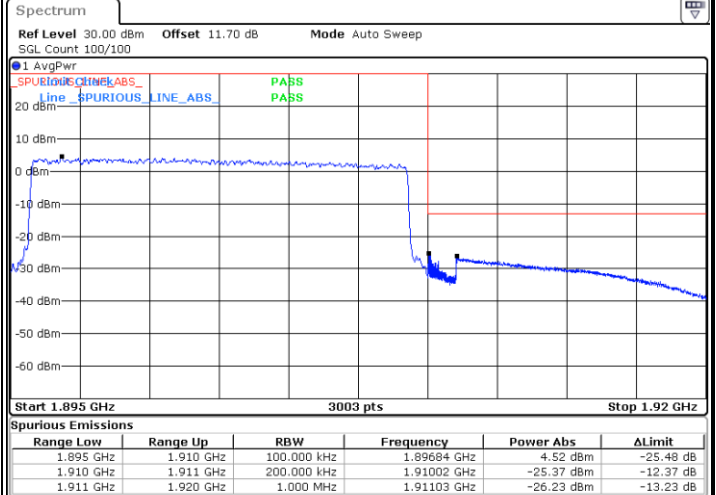
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 17.FEB.2023 18:56:39

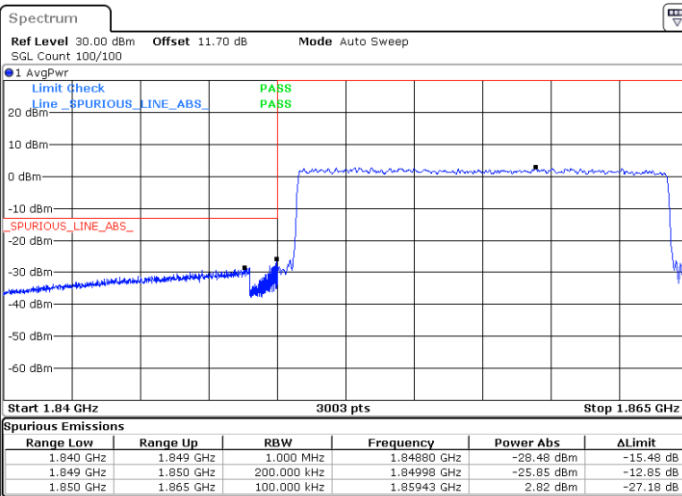
Highest Band Edge / Full RB



Date: 17.FEB.2023 19:00:34

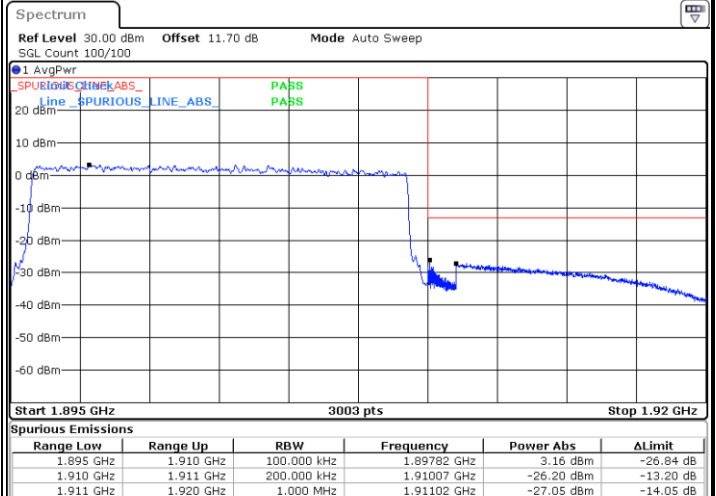
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 17.FEB.2023 18:57:39

Highest Band Edge / Full RB

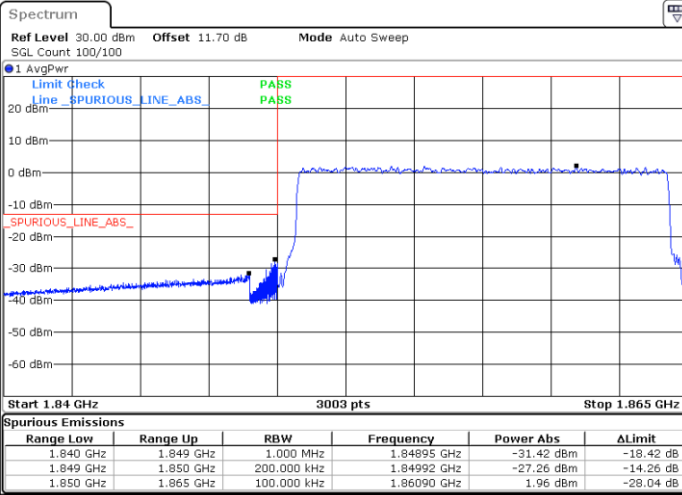


Date: 17.FEB.2023 19:01:35



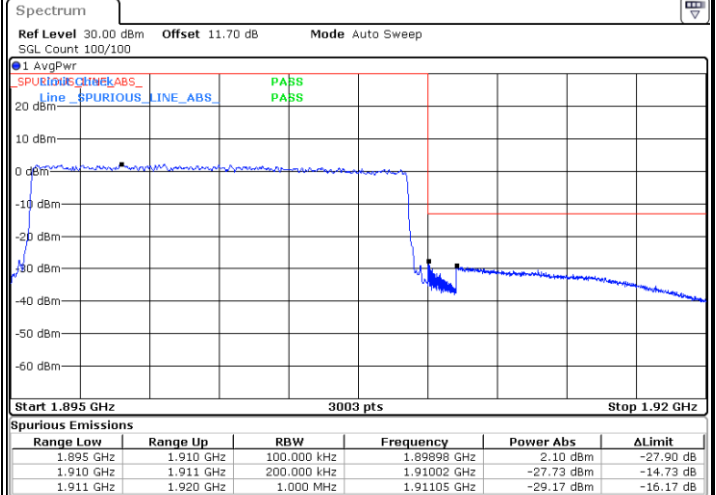
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 17.FEB.2023 19:02:35

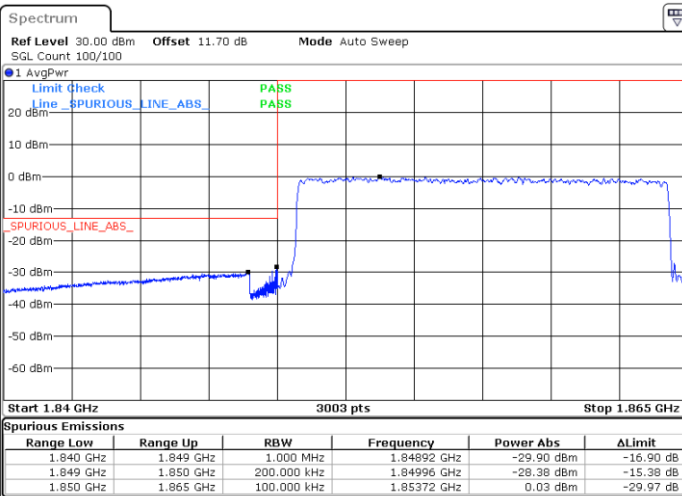
Highest Band Edge / Full RB



Date: 17.FEB.2023 19:13:18

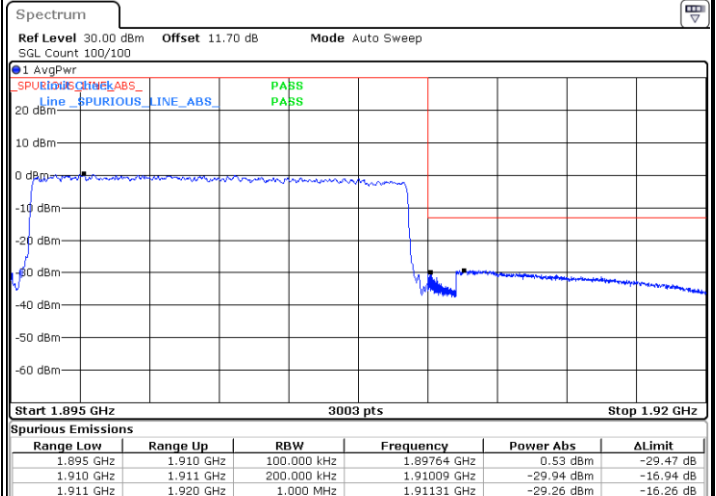
LTE Band 2 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 17.FEB.2023 19:52:39

Highest Band Edge / Full RB



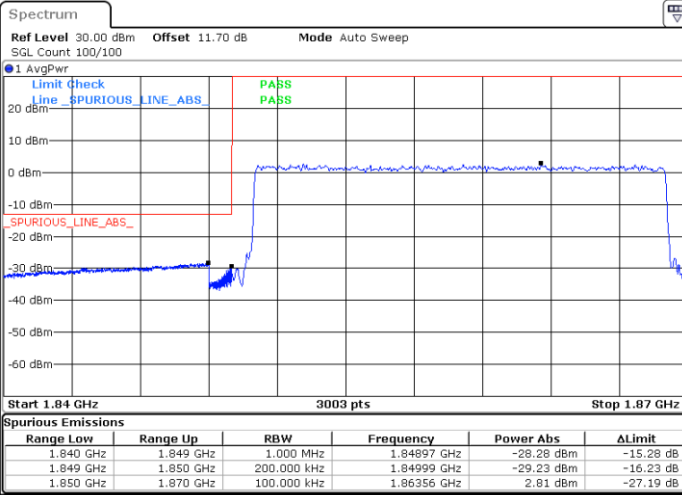
Date: 17.FEB.2023 19:54:22





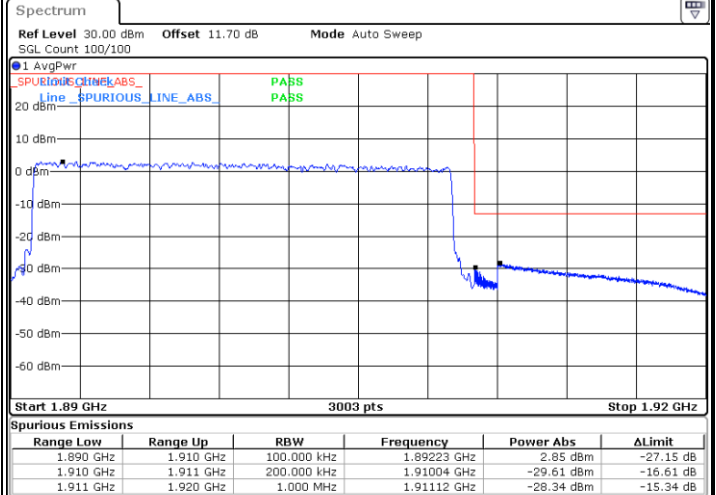
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 17.FEB.2023 19:17:31

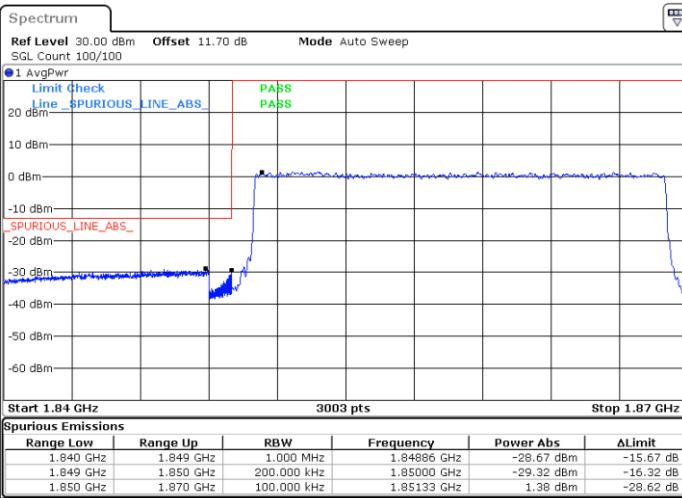
Highest Band Edge / Full RB



Date: 17.FEB.2023 19:21:28

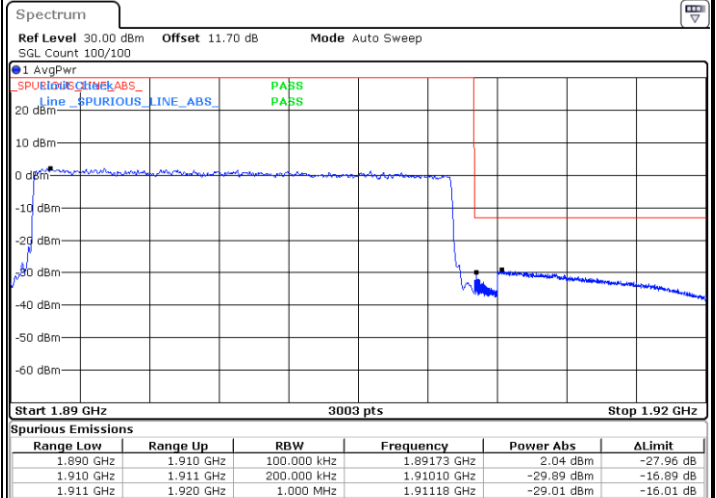
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 17.FEB.2023 19:18:31

Highest Band Edge / Full RB

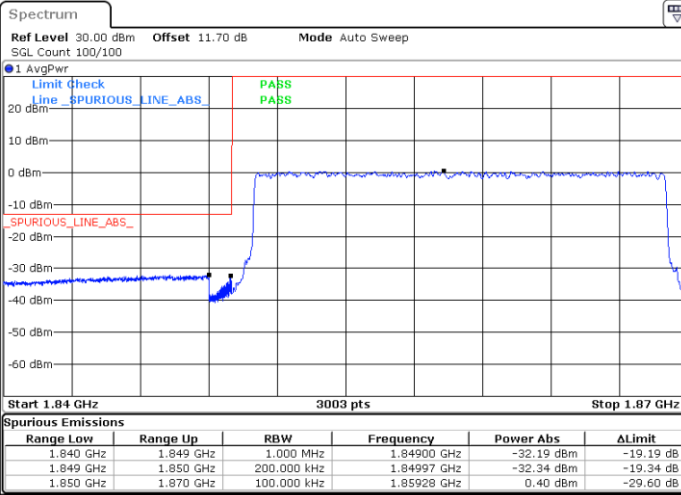


Date: 17.FEB.2023 19:22:28



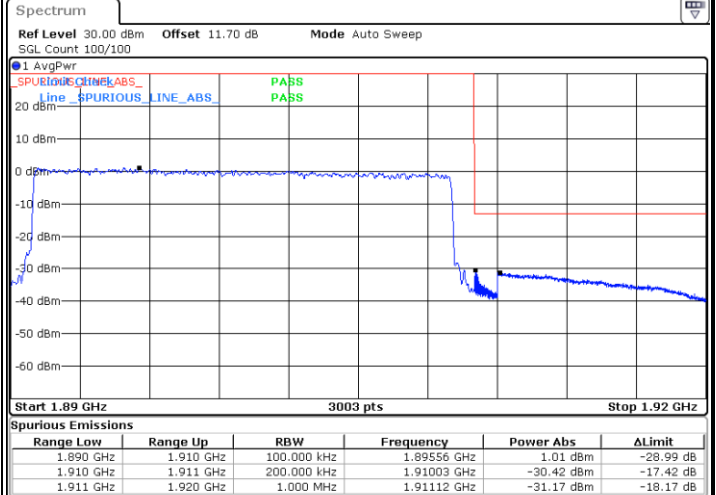
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 17.FEB.2023 19:23:28

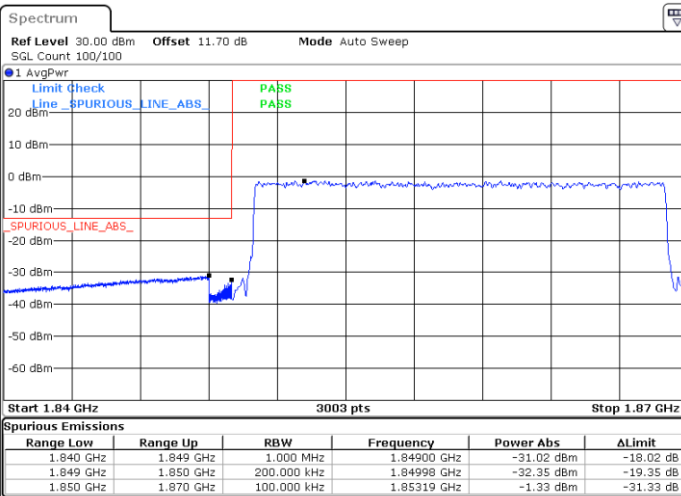
Highest Band Edge / Full RB



Date: 17.FEB.2023 19:25:11

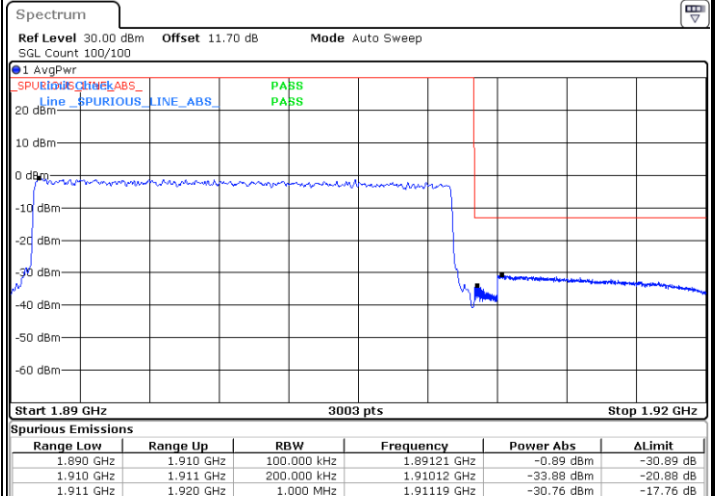
LTE Band 2 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 17.FEB.2023 19:55:30

Highest Band Edge / Full RB



Date: 17.FEB.2023 19:57:13

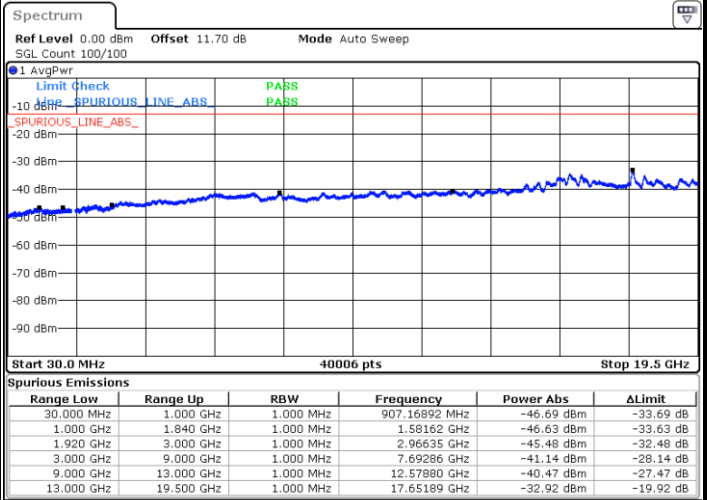
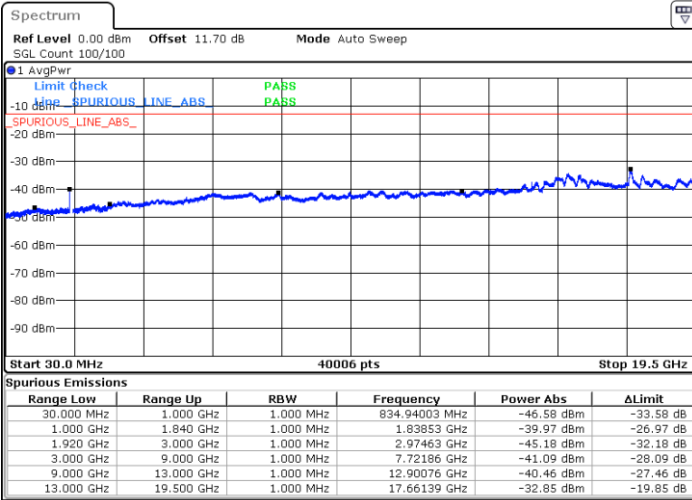


# Conducted Spurious Emission

## LTE Band 2 / 1.4MHz

### Lowest Channel / QPSK

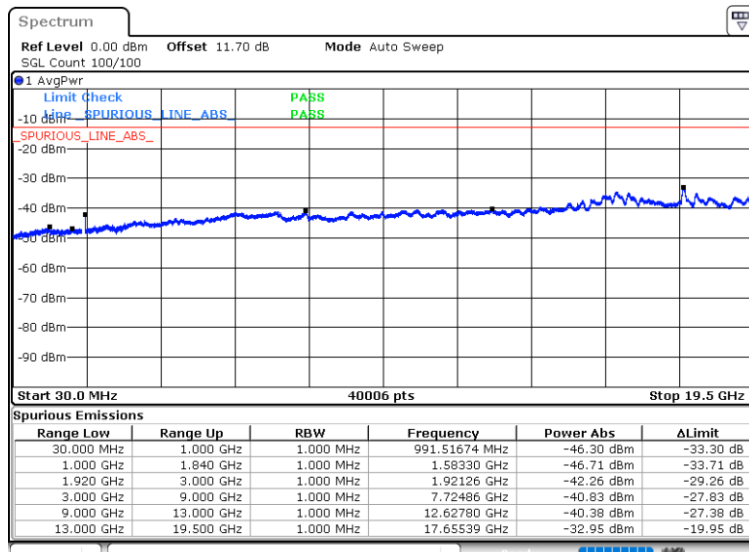
### Middle Channel / QPSK



Date: 17.FEB.2023 17:49:36

Date: 17.FEB.2023 17:52:50

### Highest Channel / QPSK



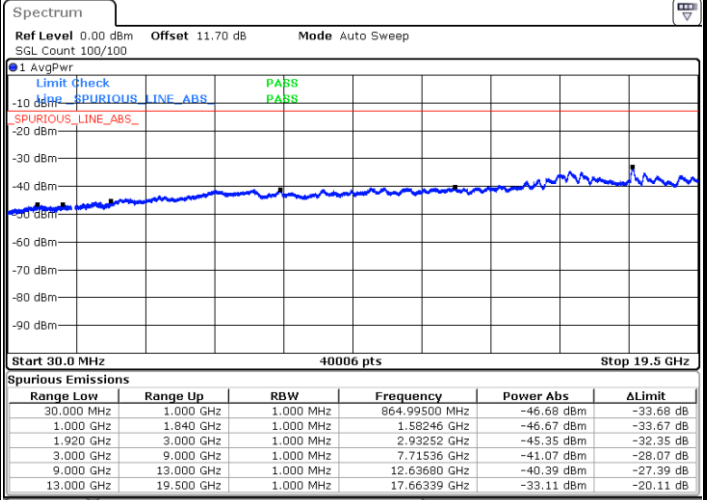
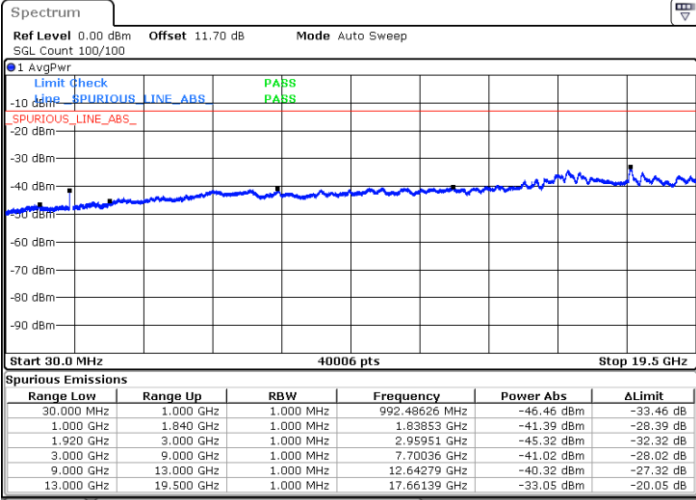
Date: 17.FEB.2023 17:58:10



LTE Band 2 / 3MHz

Lowest Channel / QPSK

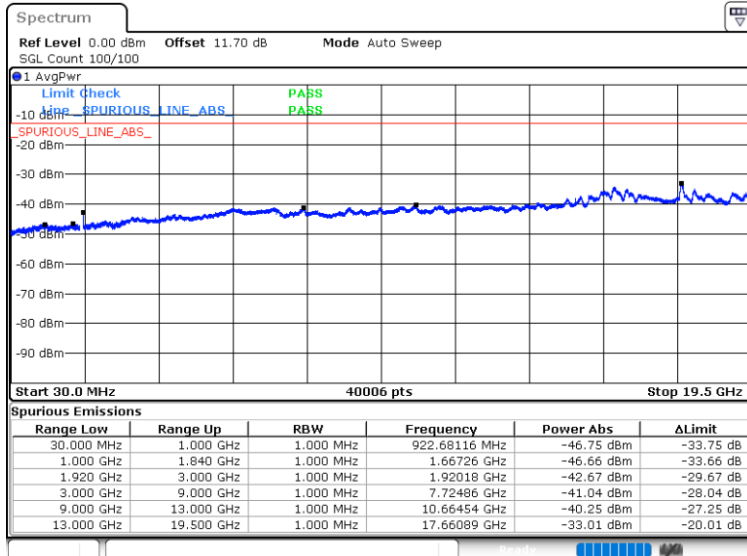
Middle Channel / QPSK



Date: 17.FEB.2023 18:16:12

Date: 17.FEB.2023 18:17:31

Highest Channel / QPSK



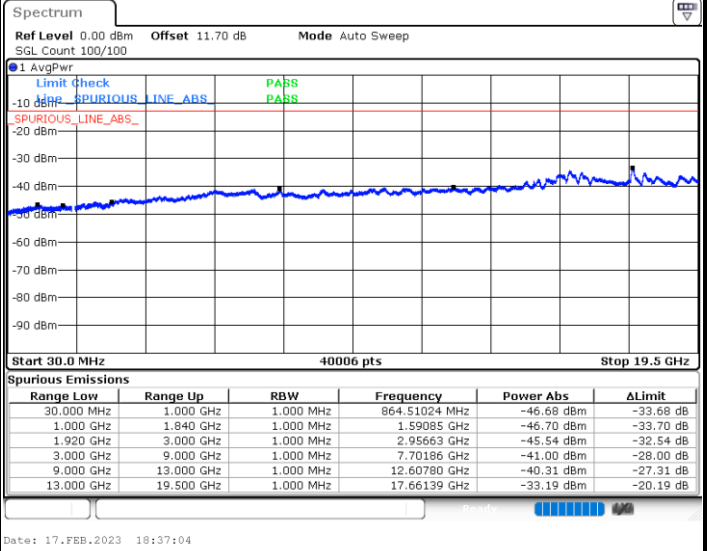
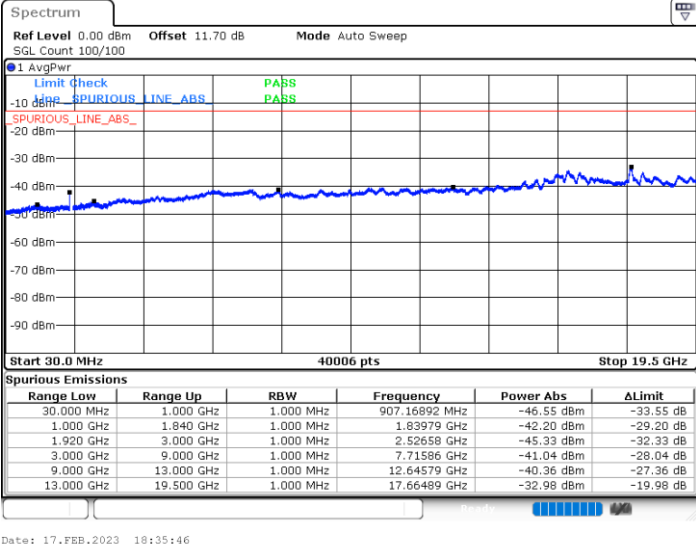
Date: 17.FEB.2023 18:18:49



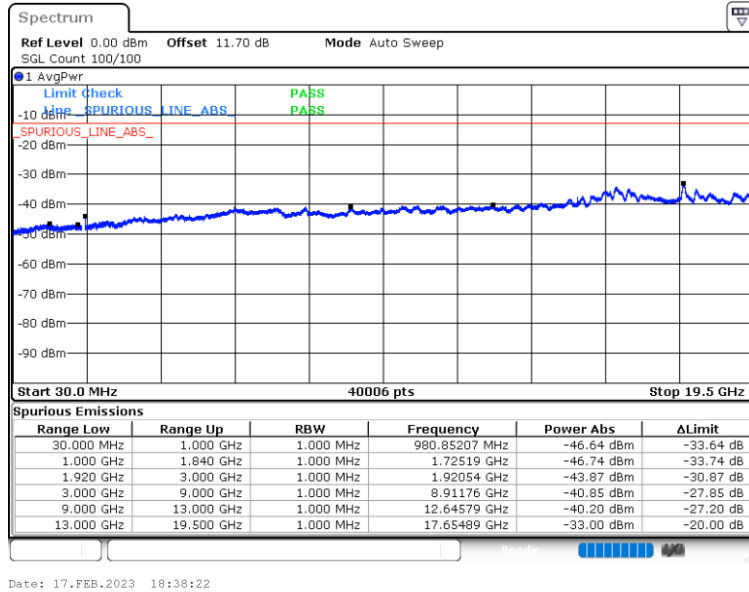
LTE Band 2 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

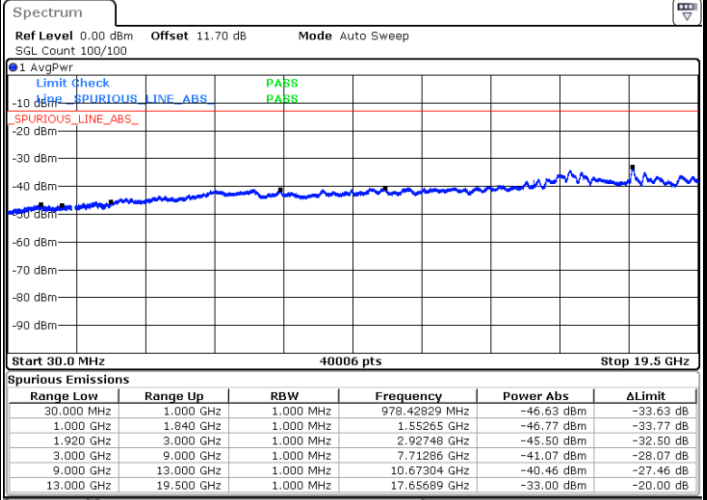
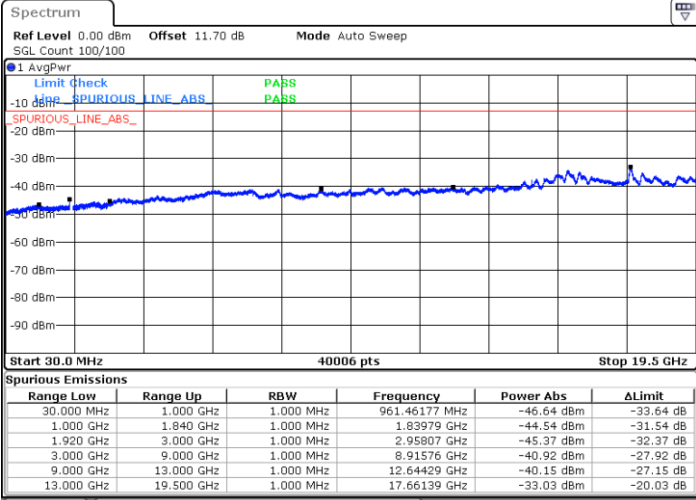




LTE Band 2 / 10MHz

Lowest Channel / QPSK

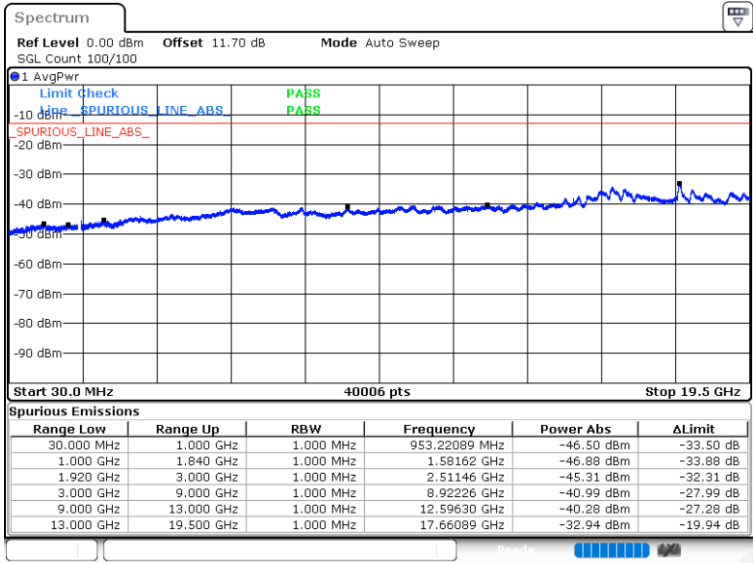
Middle Channel / QPSK



Date: 17.FEB.2023 18:46:28

Date: 17.FEB.2023 18:47:46

Highest Channel / QPSK



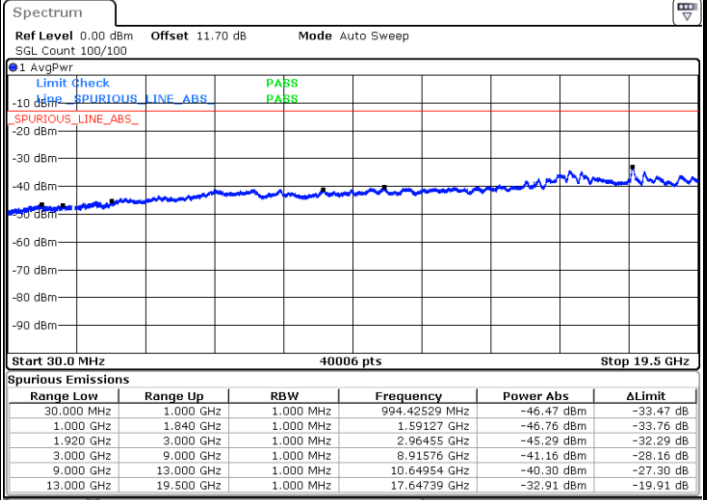
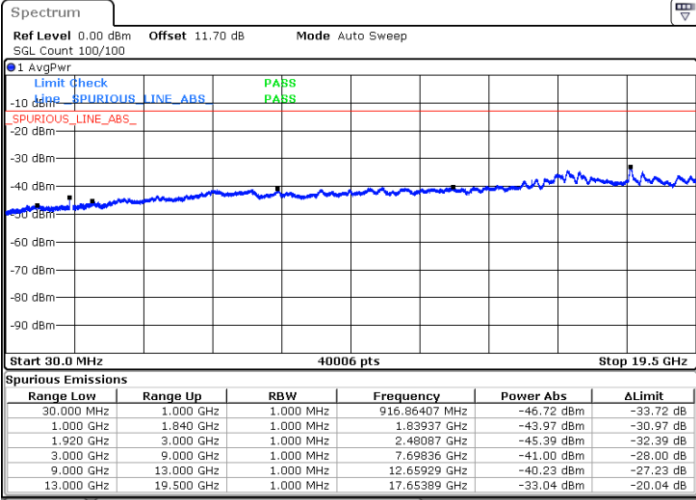
Date: 17.FEB.2023 18:49:04



LTE Band 2 / 15MHz

Lowest Channel / QPSK

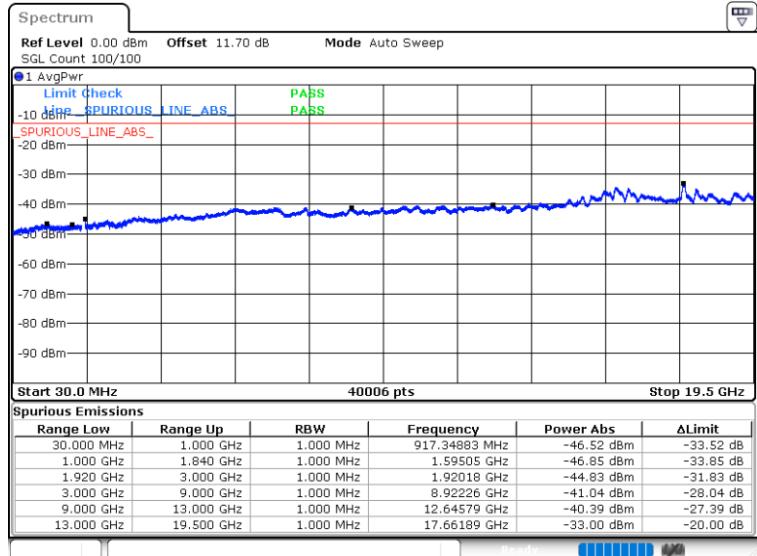
Middle Channel / QPSK



Date: 17.FEB.2023 19:09:42

Date: 17.FEB.2023 19:11:00

Highest Channel / QPSK



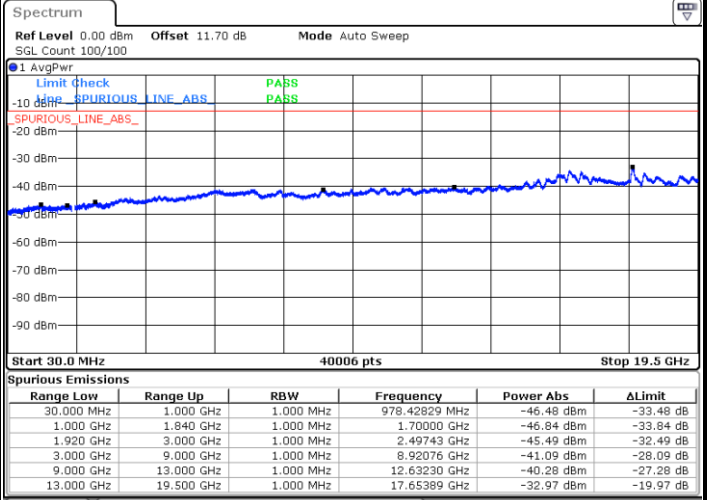
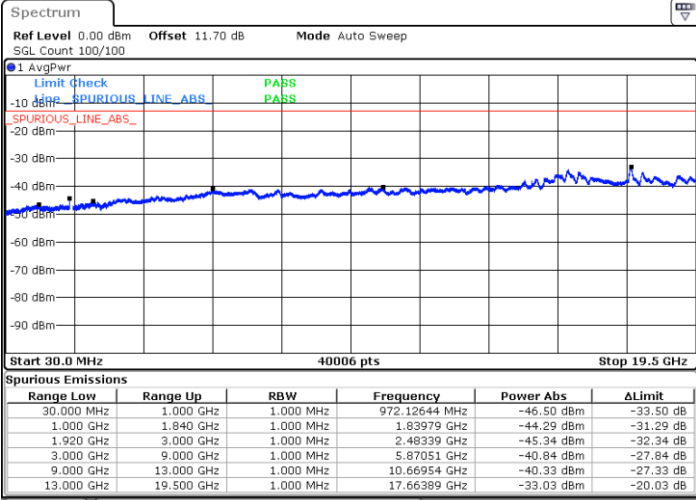
Date: 17.FEB.2023 19:12:19



LTE Band 2 / 20MHz

Lowest Channel / QPSK

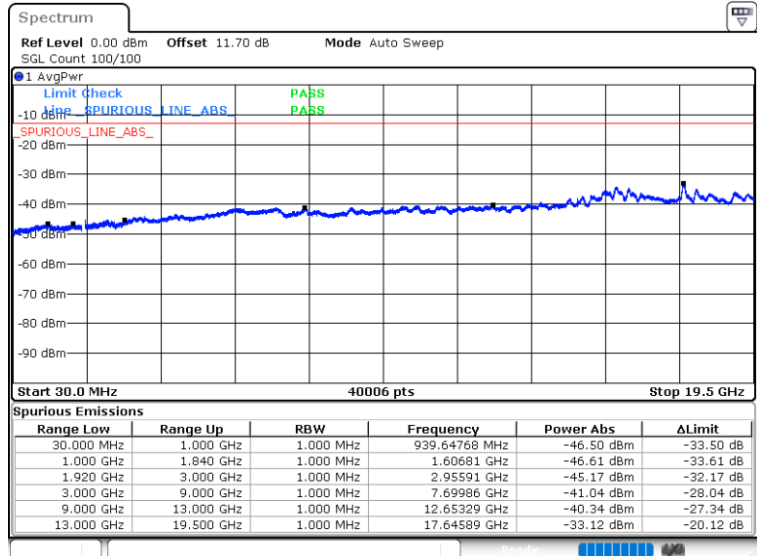
Middle Channel / QPSK



Date: 17.FEB.2023 19:28:04

Date: 17.FEB.2023 19:29:26

Highest Channel / QPSK



Date: 17.FEB.2023 19:30:45





**Frequency Stability**

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0071	
30	Normal Voltage	0.0071	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0067	
0	Normal Voltage	0.0064	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0046	

**Note:**

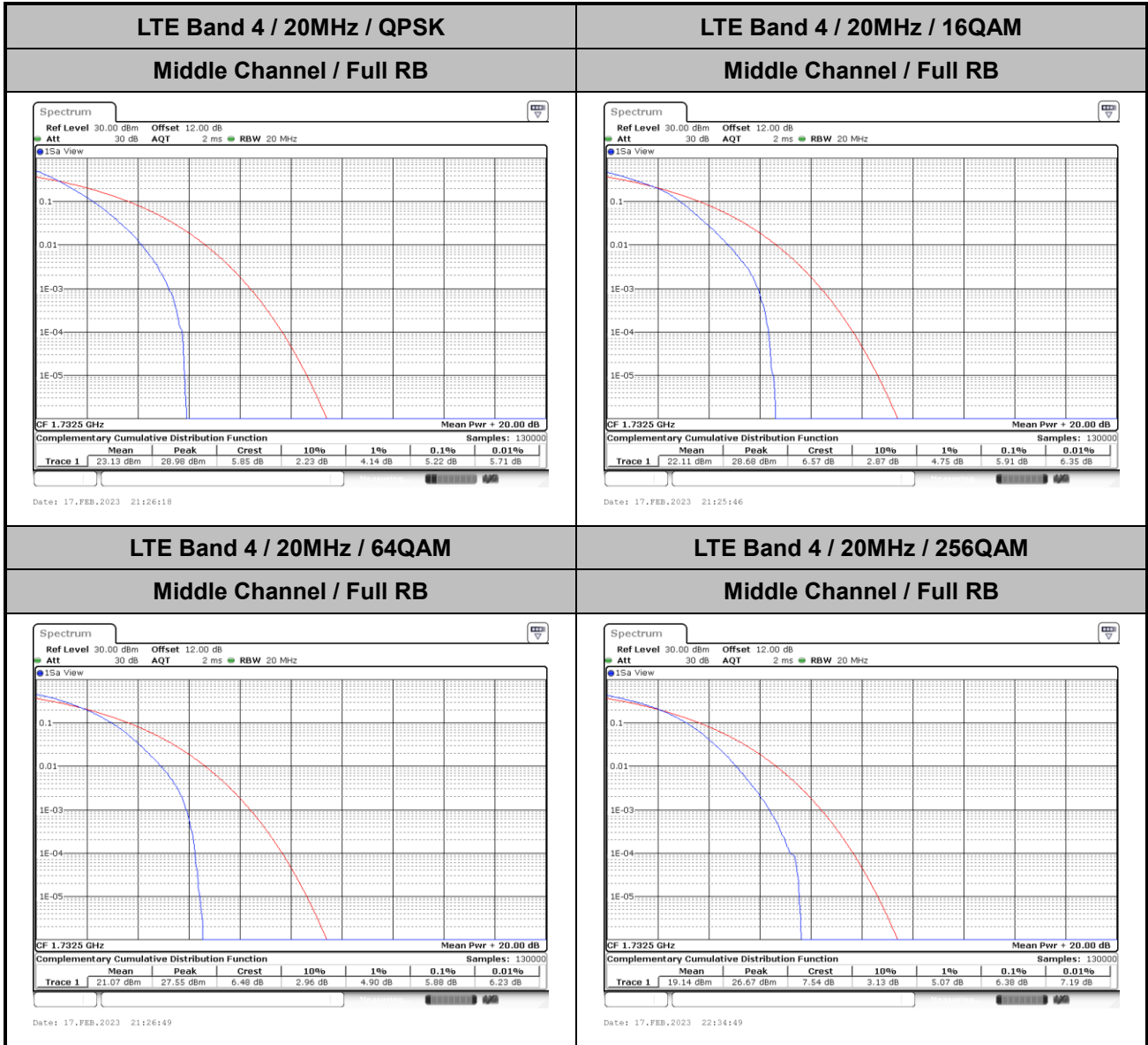
1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 4

### Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.22	5.91	5.88	6.38	PASS





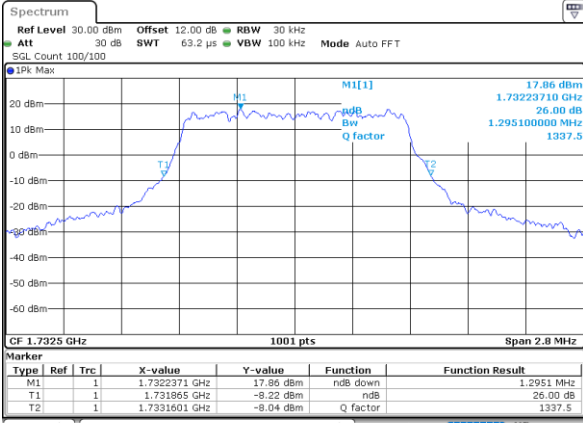
**26dB Bandwidth**

Mode	LTE Band 4 : 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	1.30	1.33	3.16	3.16	5.11	5.13	10.17	10.33	15.05	14.84	19.58	19.46
Mode	LTE Band 4 : 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	1.31	1.31	3.02	3.13	5.27	5.22	10.23	10.23	14.69	14.72	19.50	19.30



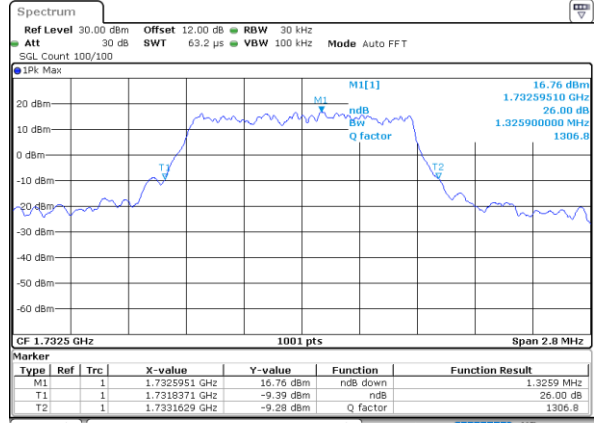
LTE Band 4

Middle Channel / 1.4MHz / QPSK



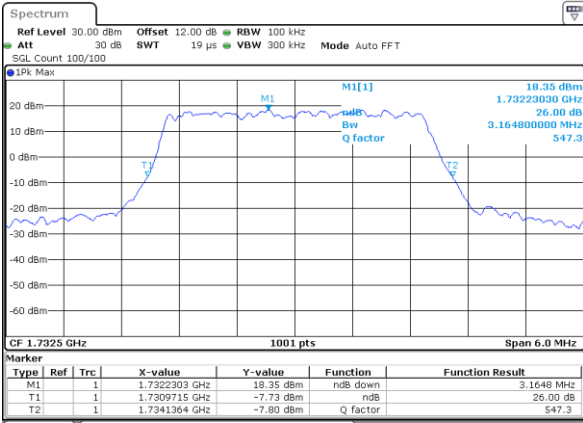
Date: 17.FEB.2023 20:06:23

Middle Channel / 1.4MHz / 16QAM



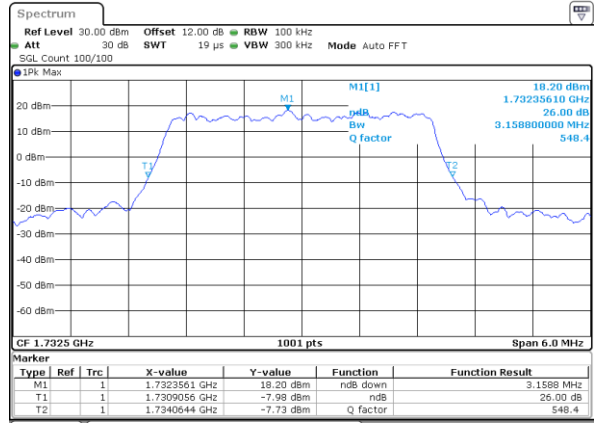
Date: 17.FEB.2023 20:06:52

Middle Channel / 3MHz / QPSK



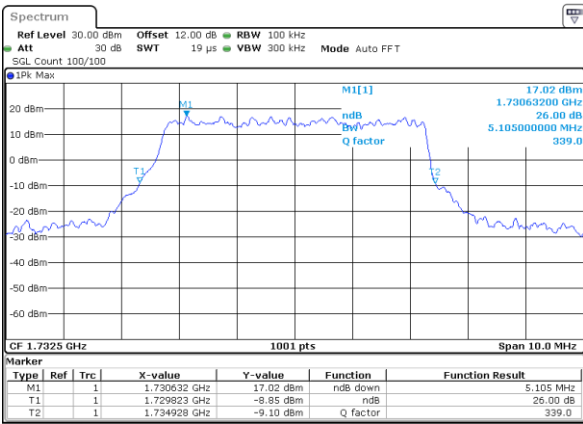
Date: 17.FEB.2023 20:27:30

Middle Channel / 3MHz / 16QAM



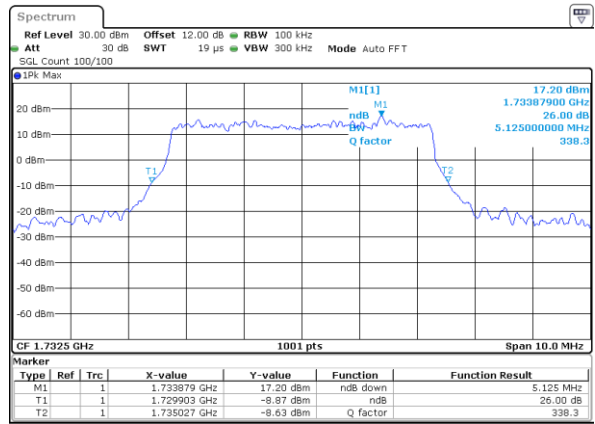
Date: 17.FEB.2023 20:27:59

Middle Channel / 5MHz / QPSK



Date: 17.FEB.2023 20:44:38

Middle Channel / 5MHz / 16QAM



Date: 17.FEB.2023 20:45:07