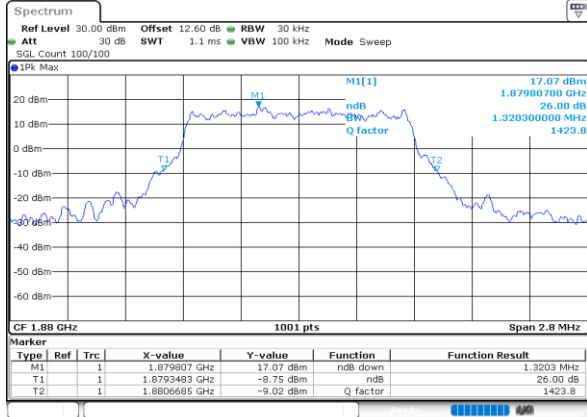




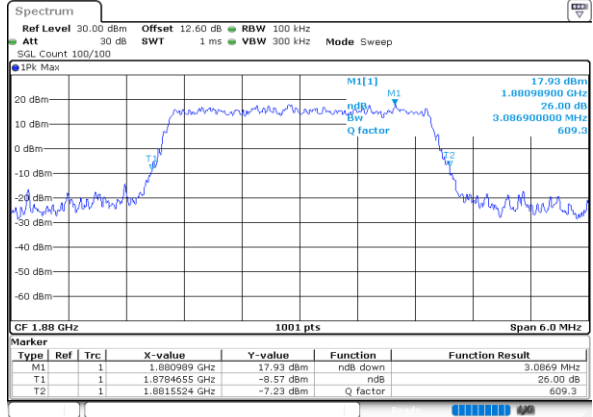
LTE Band 25

Middle Channel / 1.4MHz / 64QAM



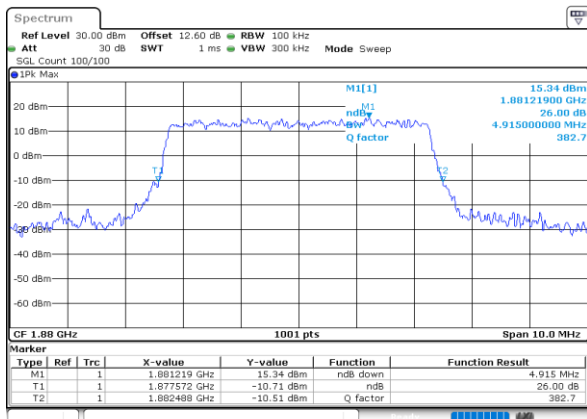
Date: 19 DEC 2023 11:59:41

Middle Channel / 3MHz / 64QAM



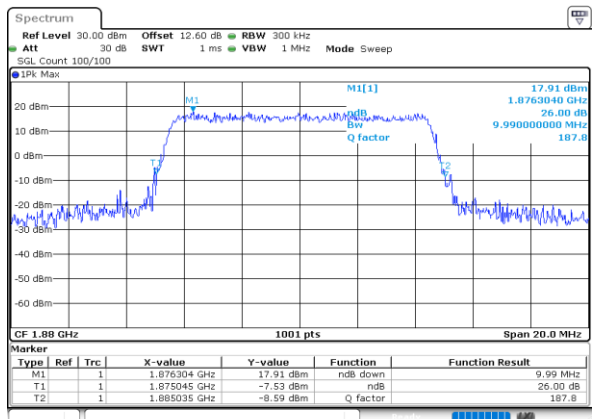
Date: 19 DEC 2023 12:03:04

Middle Channel / 5MHz / 64QAM



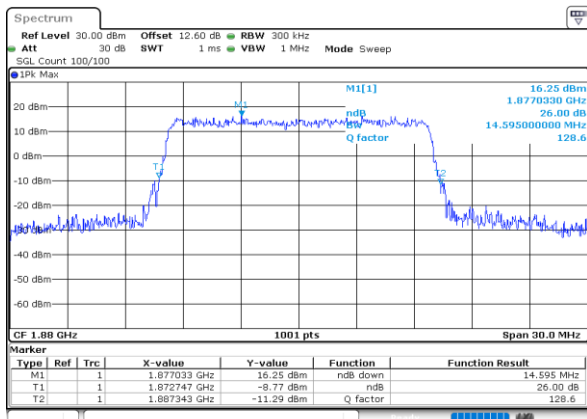
Date: 19 DEC 2023 12:15:40

Middle Channel / 10MHz / 64QAM



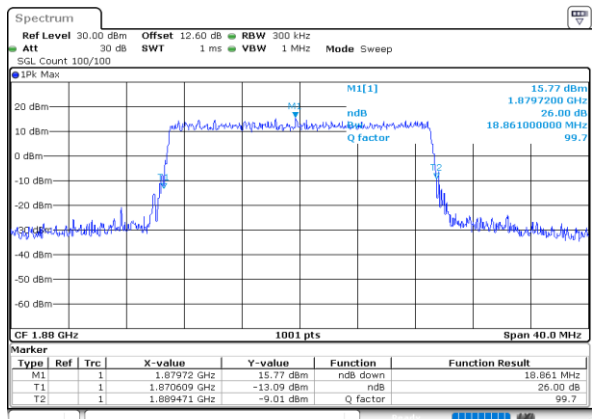
Date: 19 DEC 2023 12:23:14

Middle Channel / 15MHz / 64QAM



Date: 19 DEC 2023 12:25:45

Middle Channel / 20MHz / 64QAM

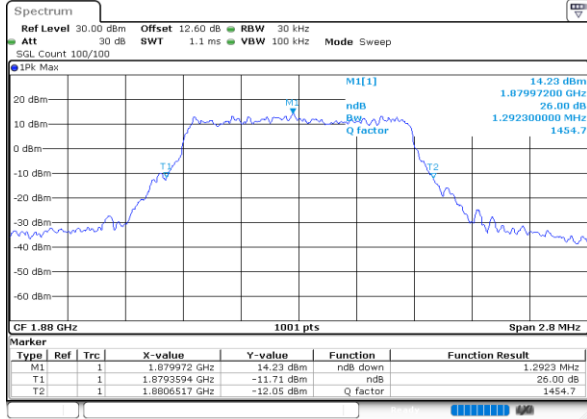


Date: 19 DEC 2023 12:38:20



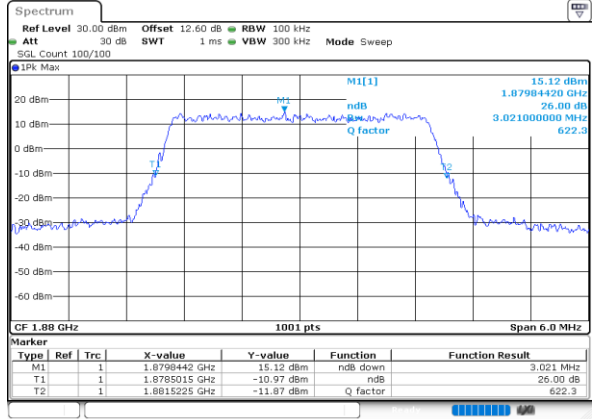
LTE Band 25

Middle Channel / 1.4MHz / 256QAM



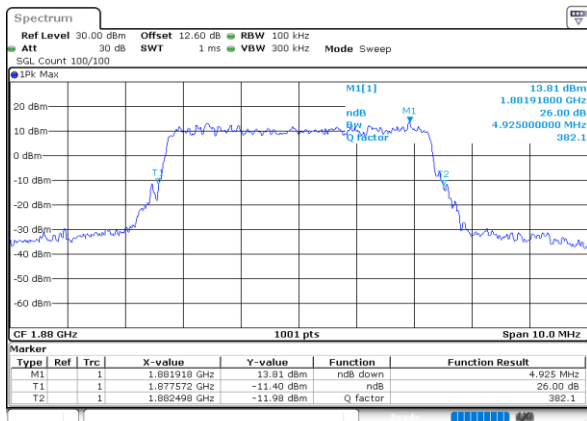
Date: 19\_DEC.2023 13:31:23

Middle Channel / 3MHz / 256QAM



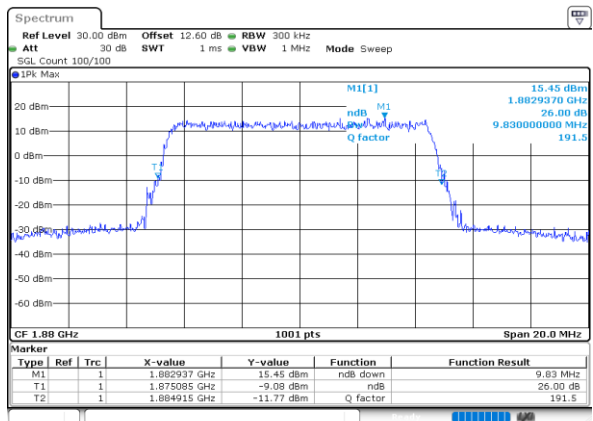
Date: 19\_DEC.2023 13:36:04

Middle Channel / 5MHz / 256QAM



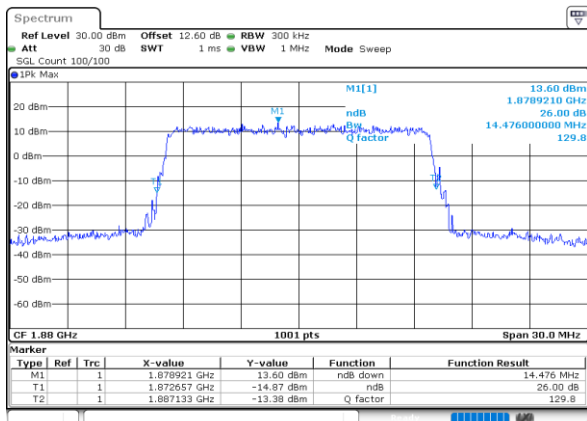
Date: 19\_DEC.2023 13:39:40

Middle Channel / 10MHz / 256QAM



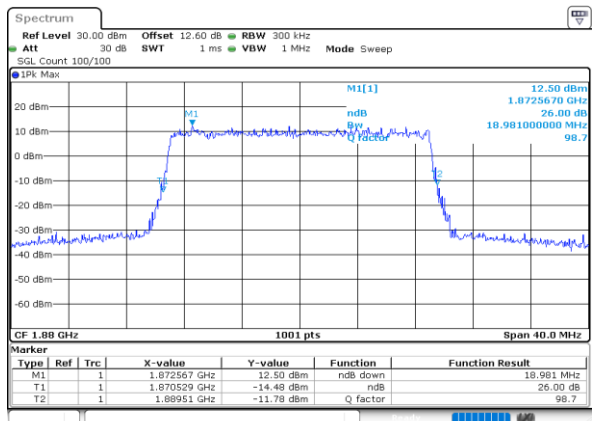
Date: 19\_DEC.2023 13:52:22

Middle Channel / 15MHz / 256QAM



Date: 19\_DEC.2023 13:57:33

Middle Channel / 20MHz / 256QAM

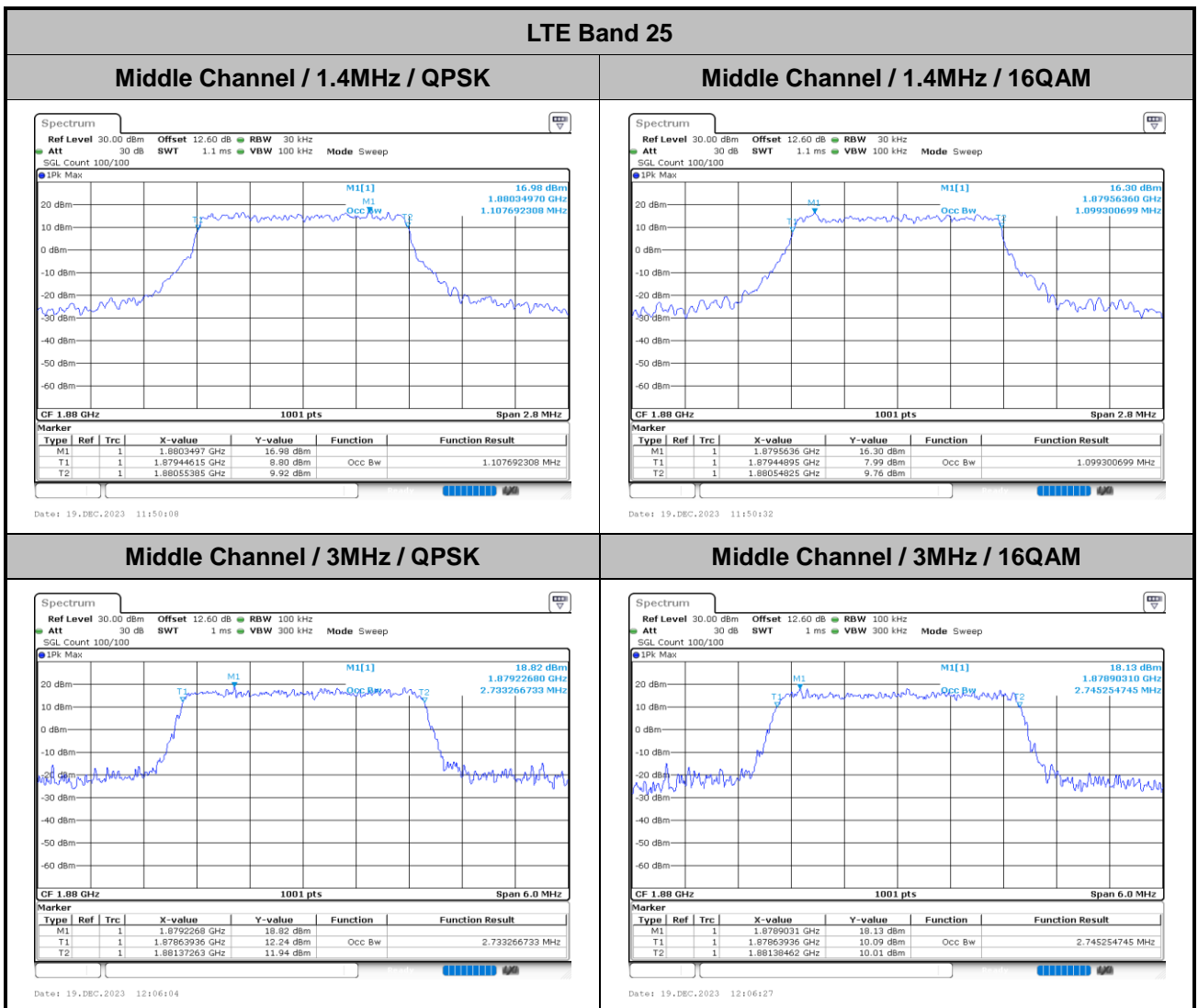


Date: 19\_DEC.2023 14:01:27



# Occupied Bandwidth

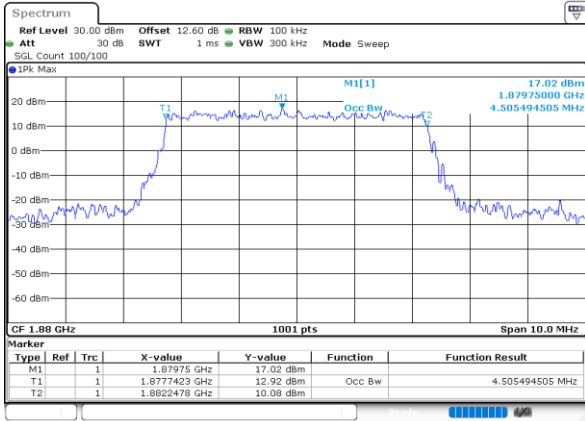
Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.10	1.09	2.73	2.74	4.50	4.50	9.05	9.07	13.45	13.45	17.94	17.94
Mode	LTE Band 25 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.09	1.09	2.75	2.73	4.49	4.50	9.07	9.03	13.48	13.48	17.90	17.90





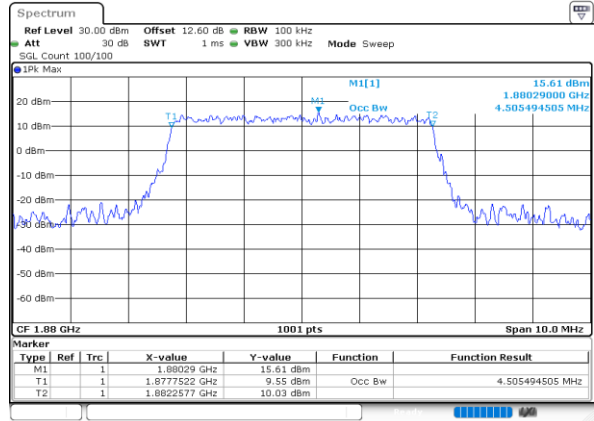
LTE Band 25

Middle Channel / 5MHz / QPSK



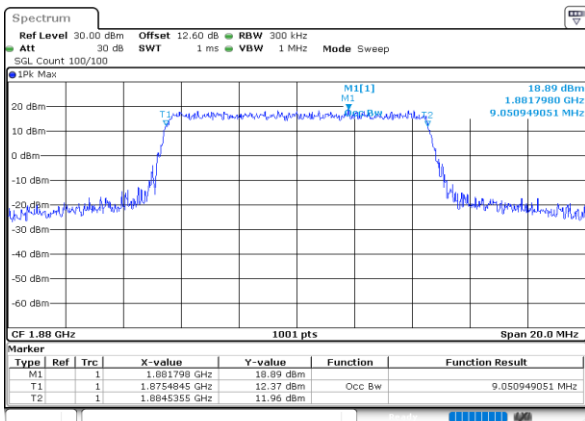
Date: 19.DEC.2023 12:11:07

Middle Channel / 5MHz / 16QAM



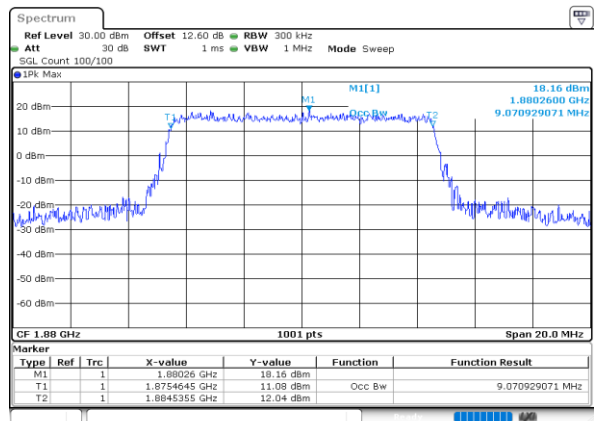
Date: 19.DEC.2023 12:11:31

Middle Channel / 10MHz / QPSK



Date: 19.DEC.2023 12:18:41

Middle Channel / 10MHz / 16QAM

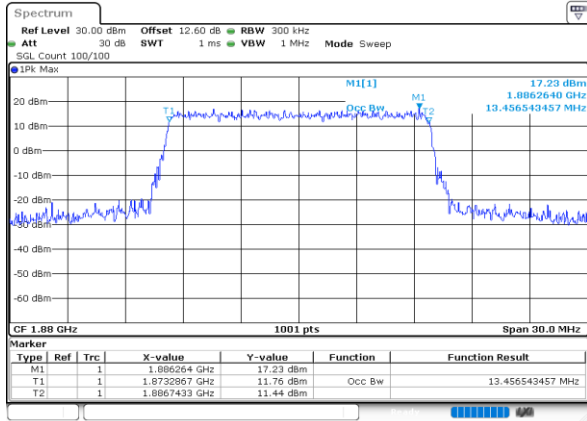


Date: 19.DEC.2023 12:19:04



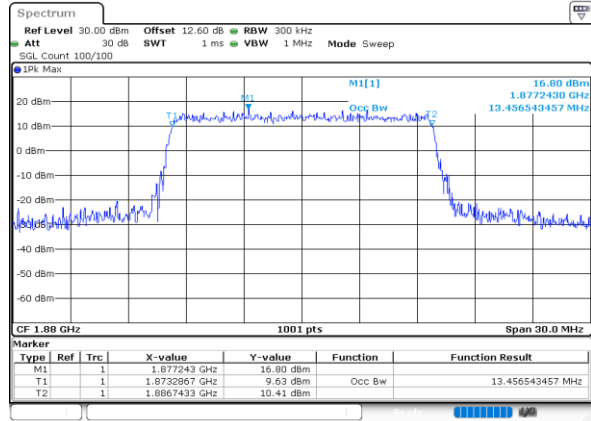
LTE Band 25

Middle Channel / 15MHz / QPSK



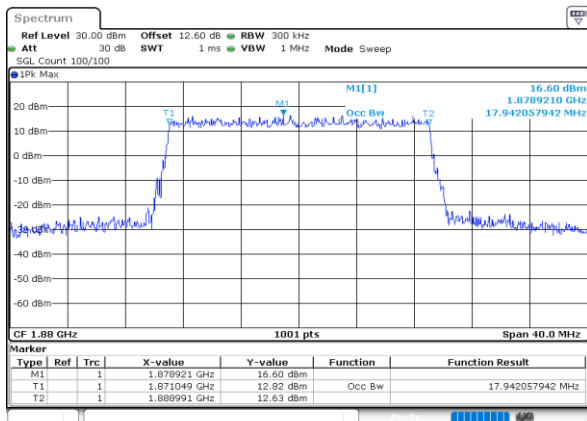
Date: 19. DEC. 2023 12:28:45

Middle Channel / 15MHz / 16QAM



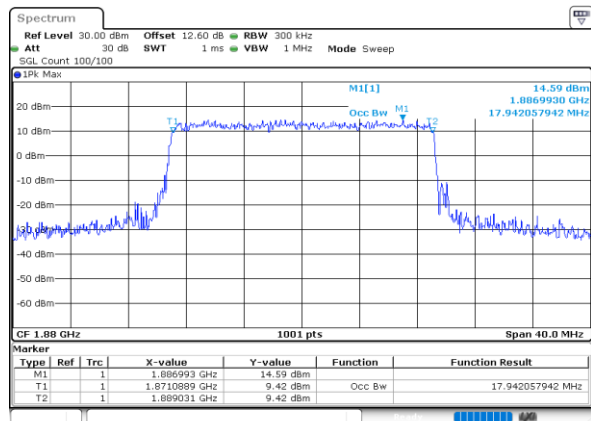
Date: 19. DEC. 2023 12:29:08

Middle Channel / 20MHz / QPSK



Date: 19. DEC. 2023 12:33:47

Middle Channel / 20MHz / 16QAM

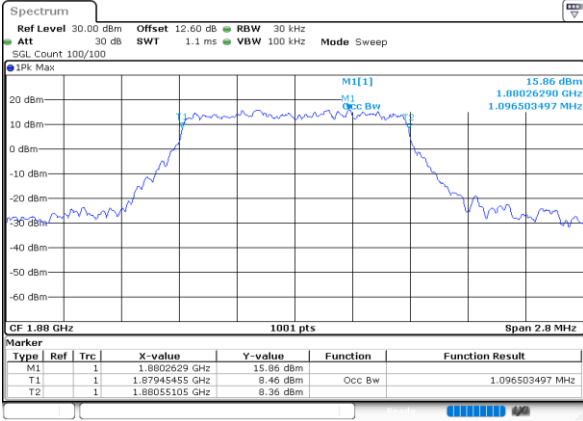


Date: 19. DEC. 2023 12:34:11



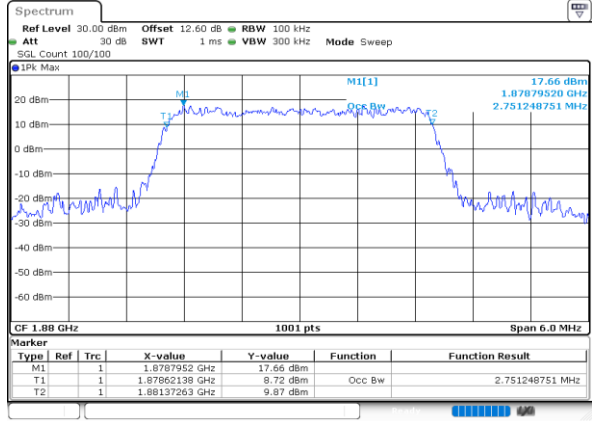
LTE Band 25

Middle Channel / 1.4MHz / 64QAM



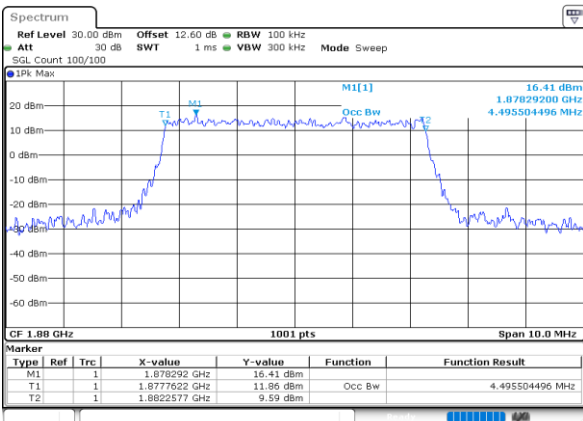
Date: 19 DEC.2023 11:59:18

Middle Channel / 3MHz / 64QAM



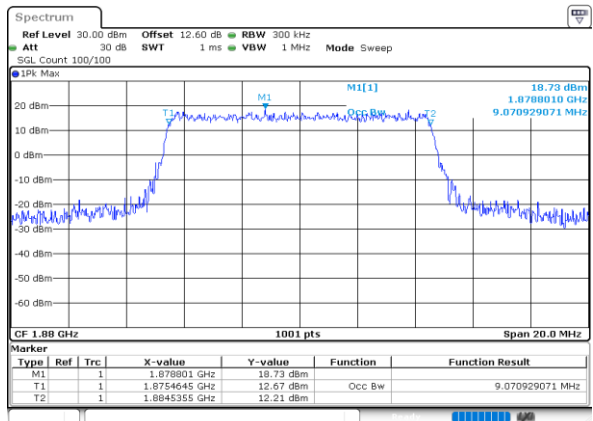
Date: 19 DEC.2023 12:02:41

Middle Channel / 5MHz / 64QAM



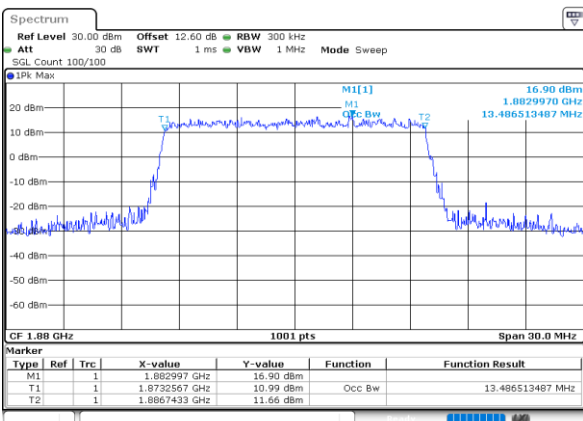
Date: 19 DEC.2023 12:15:17

Middle Channel / 10MHz / 64QAM



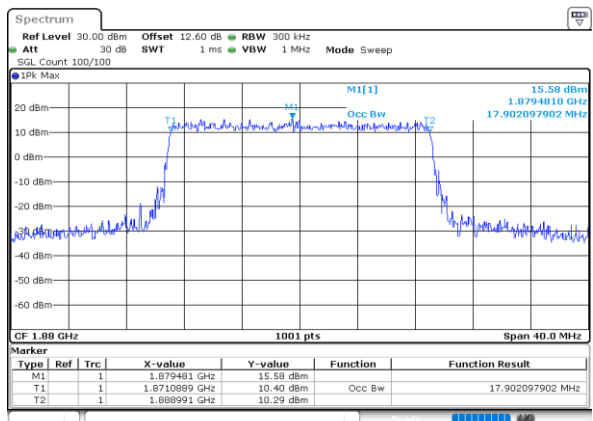
Date: 19 DEC.2023 12:22:50

Middle Channel / 15MHz / 64QAM



Date: 19 DEC.2023 12:25:22

Middle Channel / 20MHz / 64QAM

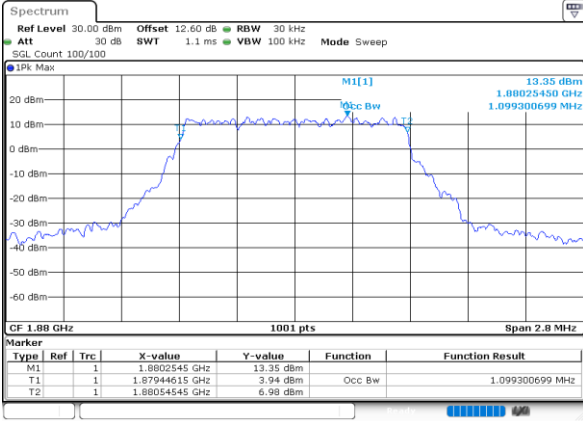


Date: 19 DEC.2023 12:37:57



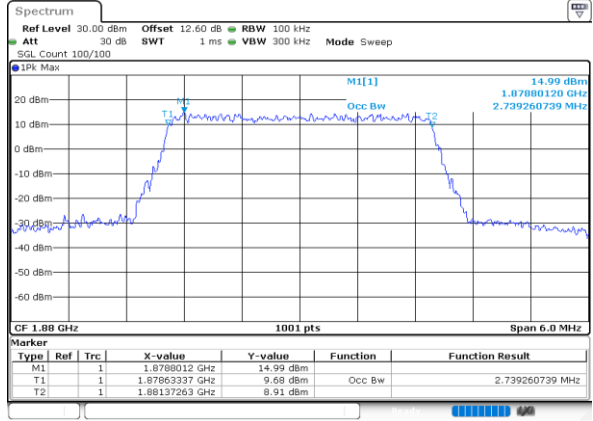
LTE Band 25

Middle Channel / 1.4MHz / 256QAM



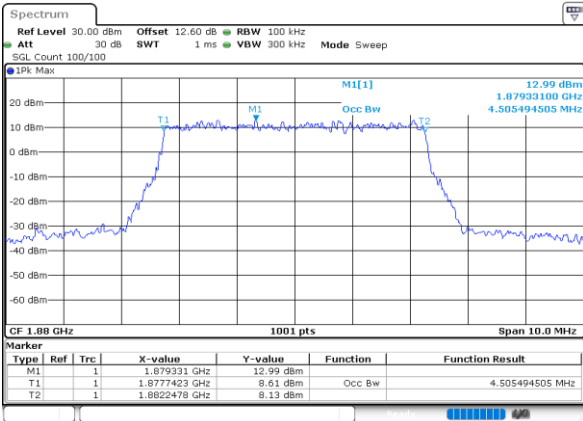
Date: 19 DEC 2023 12:42:39

Middle Channel / 3MHz / 256QAM



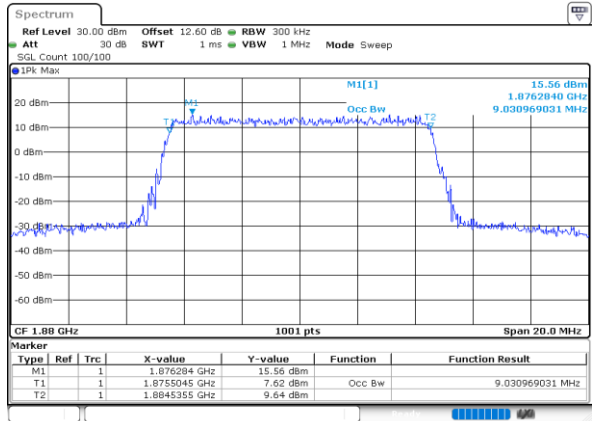
Date: 19 DEC 2023 13:35:38

Middle Channel / 5MHz / 256QAM



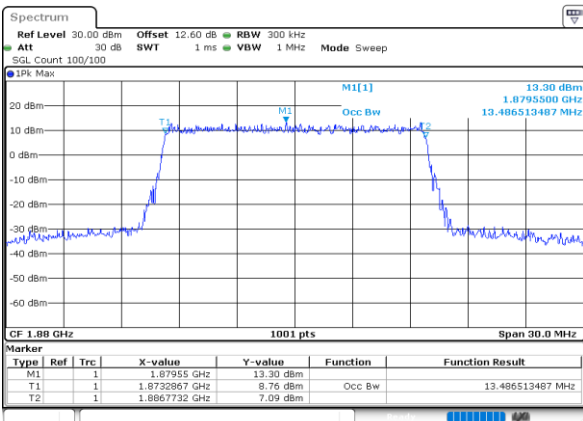
Date: 19 DEC 2023 13:39:14

Middle Channel / 10MHz / 256QAM



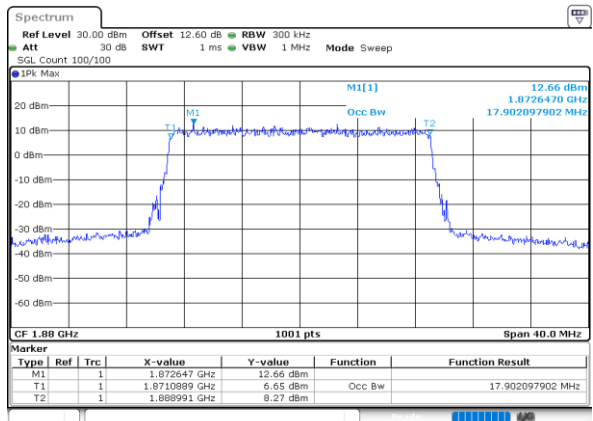
Date: 19 DEC 2023 13:51:55

Middle Channel / 15MHz / 256QAM



Date: 19 DEC 2023 13:57:07

Middle Channel / 20MHz / 256QAM



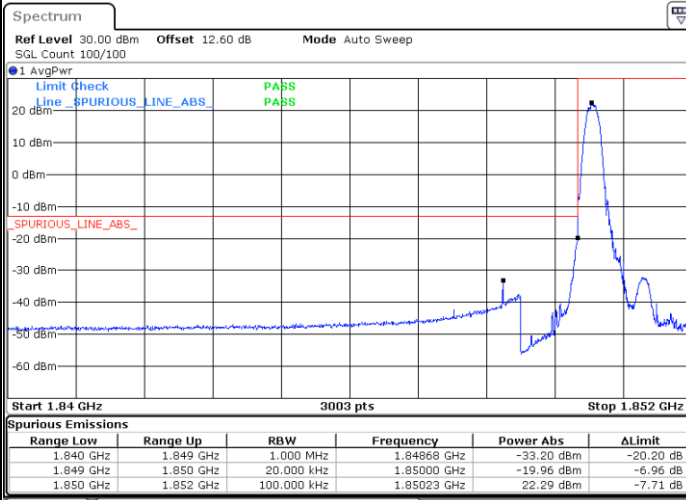
Date: 19 DEC 2023 14:01:01



# Conducted Band Edge

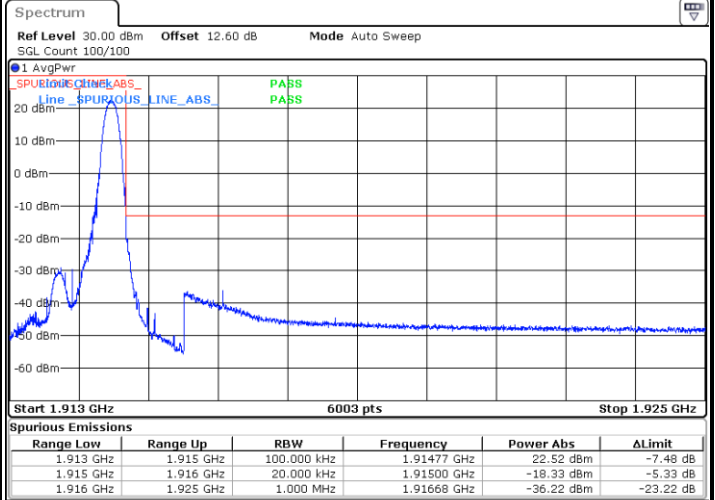
## LTE Band 25 / 1.4MHz / QPSK

### Lowest Band Edge / 1RB



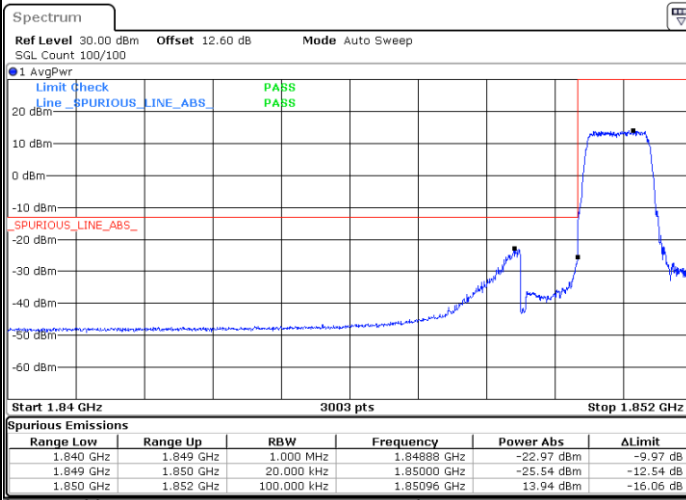
Date: 19.DEC.2023 11:45:56

### Highest Band Edge / 1RB



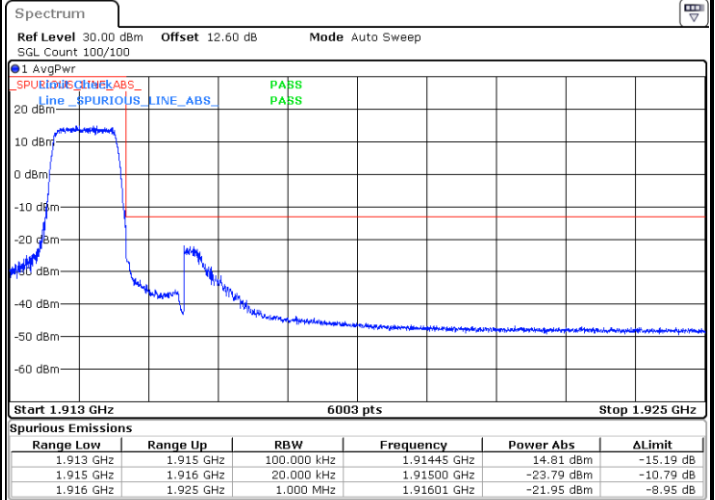
Date: 19.DEC.2023 11:55:58

### Lowest Band Edge / Full RB



Date: 19.DEC.2023 11:47:40

### Highest Band Edge / Full RB



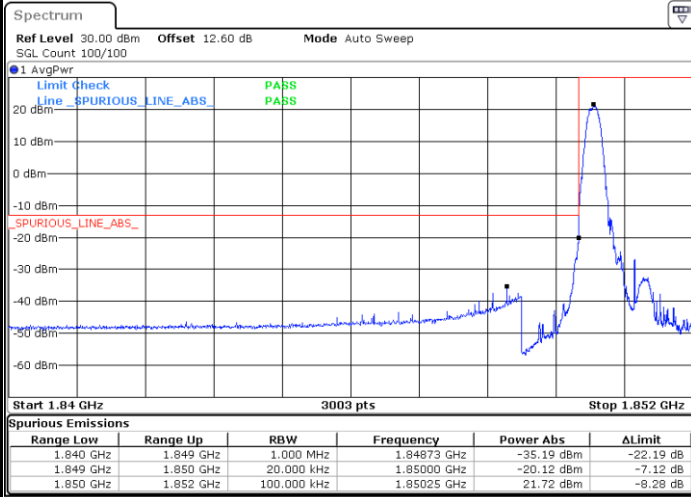
Date: 19.DEC.2023 11:53:21





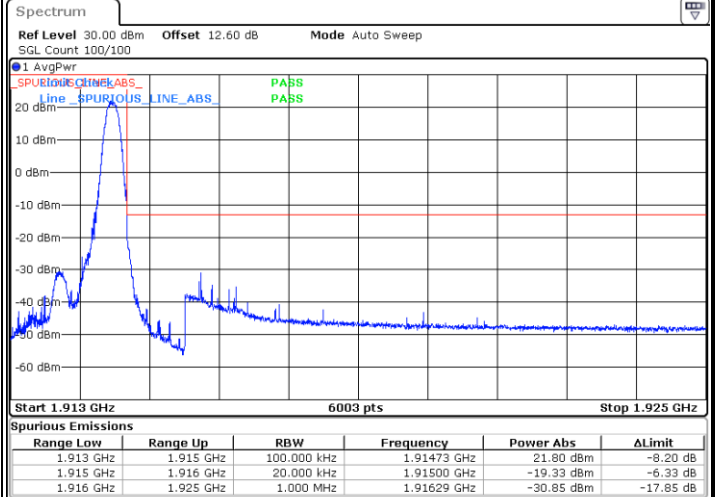
LTE Band 25 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



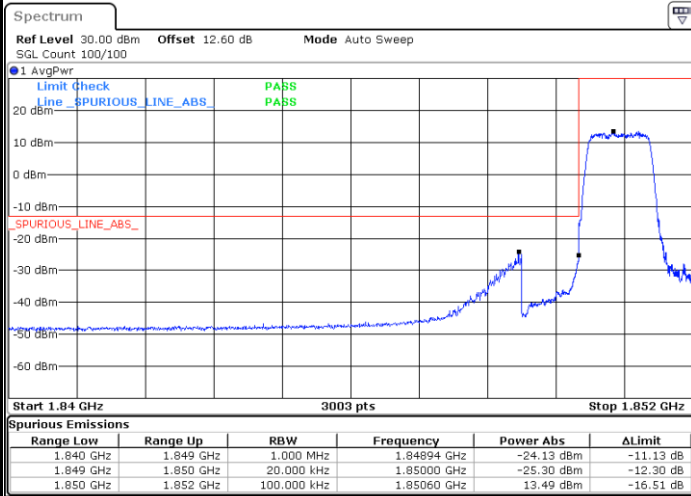
Date: 19.DEC.2023 11:46:48

Highest Band Edge / 1 RB



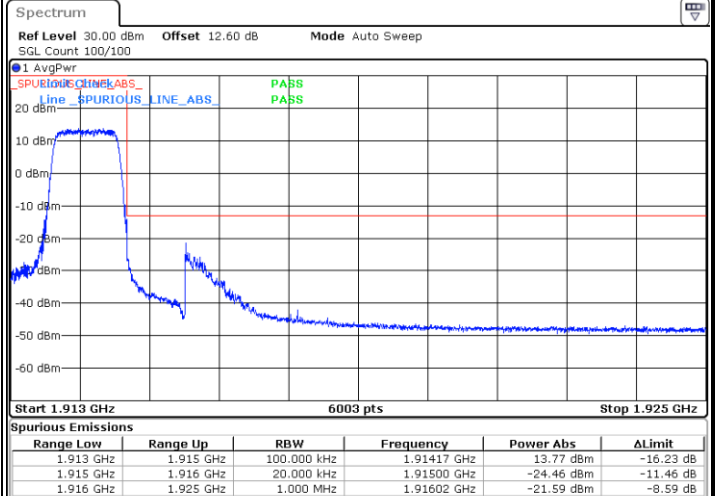
Date: 19.DEC.2023 11:55:06

Lowest Band Edge / Full RB



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

Highest Band Edge / Full RB

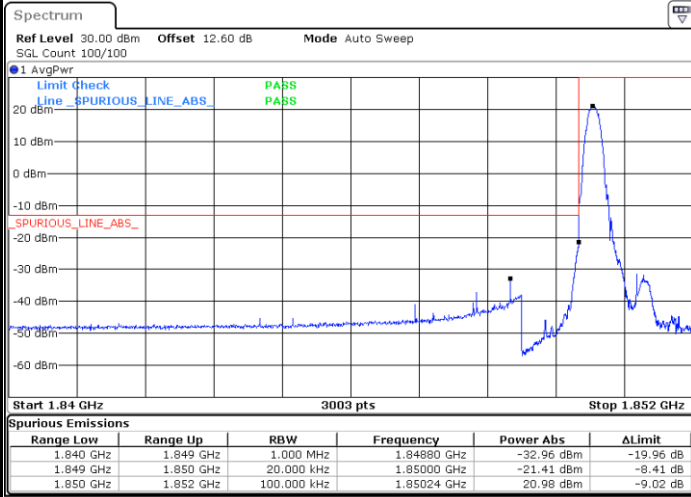


Date: 19.DEC.2023 11:54:13



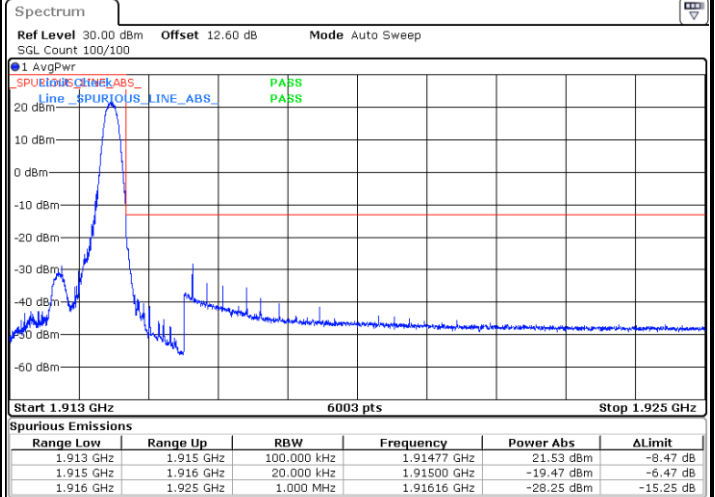
LTE Band 25 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



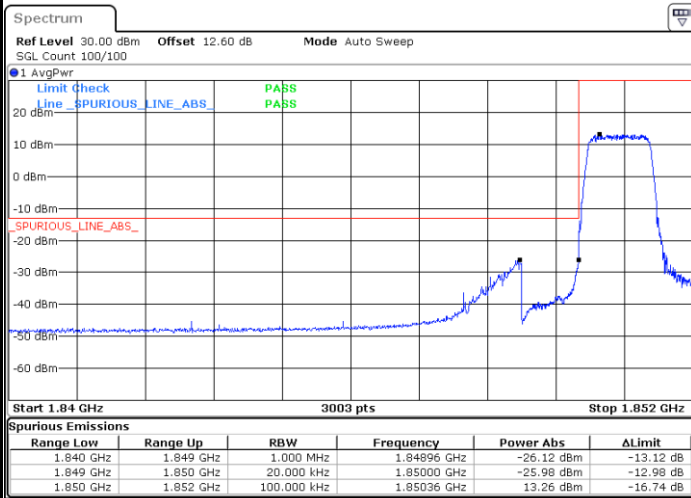
Date: 19.DEC.2023 11:58:02

Highest Band Edge / 1 RB



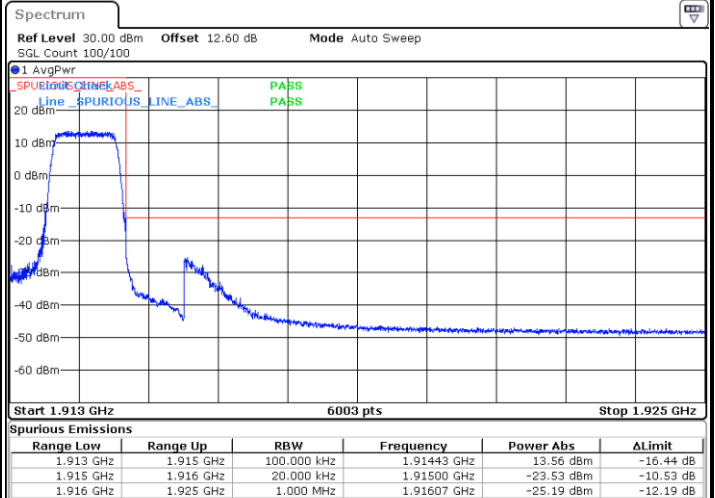
Date: 19.DEC.2023 12:01:25

Lowest Band Edge / Full RB



Date: 19.DEC.2023 11:58:54

Highest Band Edge / Full RB

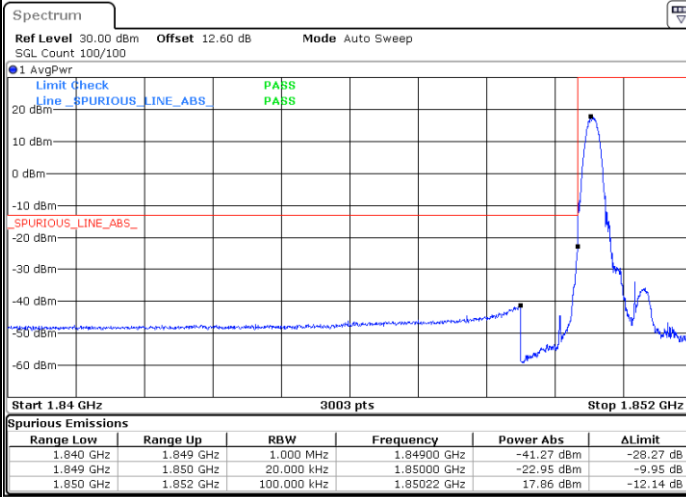


Date: 19.DEC.2023 12:00:32



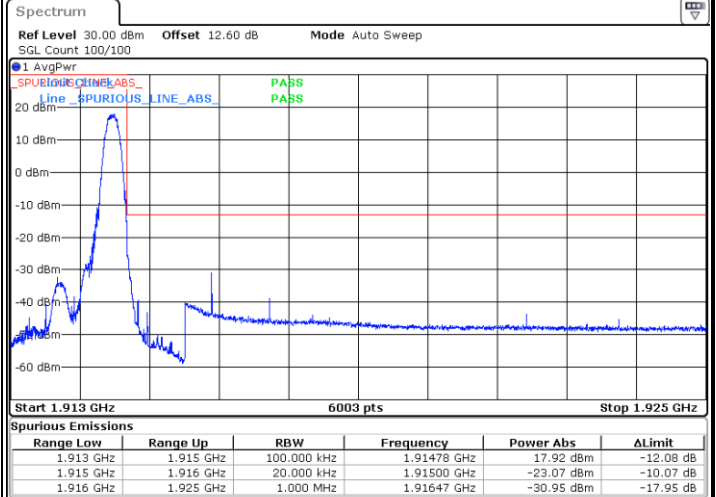
LTE Band 25 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



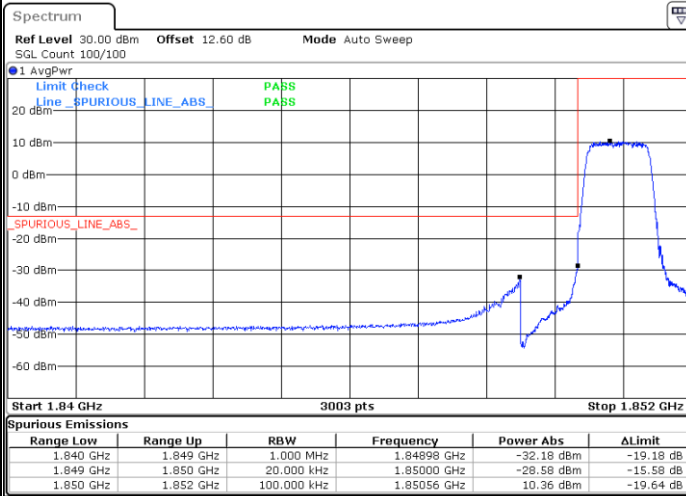
Date: 19.DEC.2023 12:41:17

Highest Band Edge / 1 RB



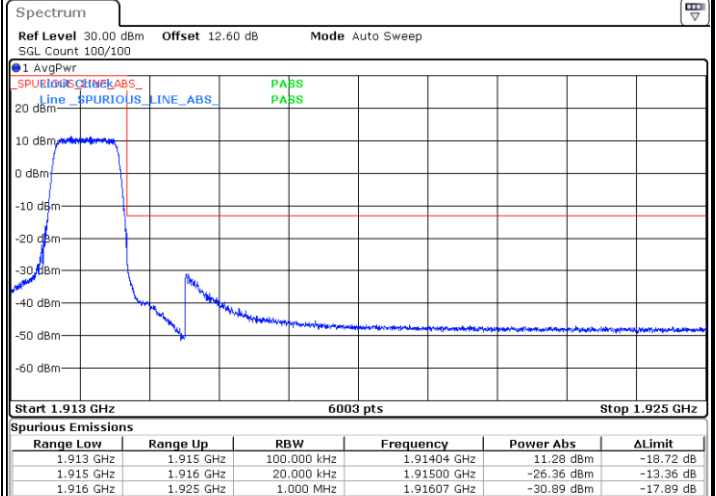
Date: 19.DEC.2023 13:33:14

Lowest Band Edge / Full RB



Date: 19.DEC.2023 12:42:12

Highest Band Edge / Full RB

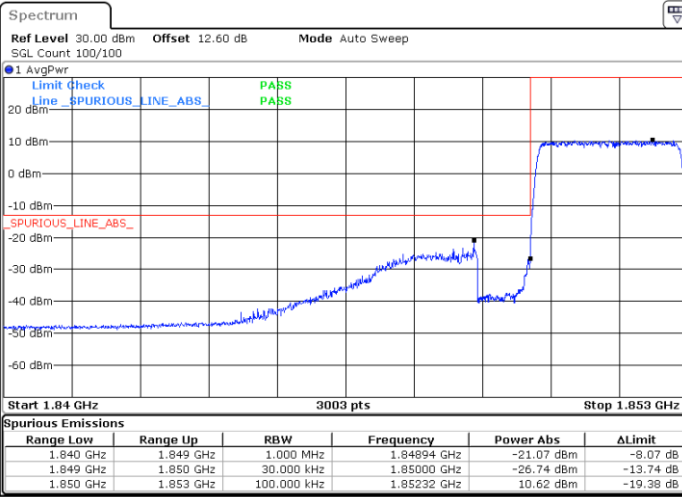


Date: 19.DEC.2023 13:32:18

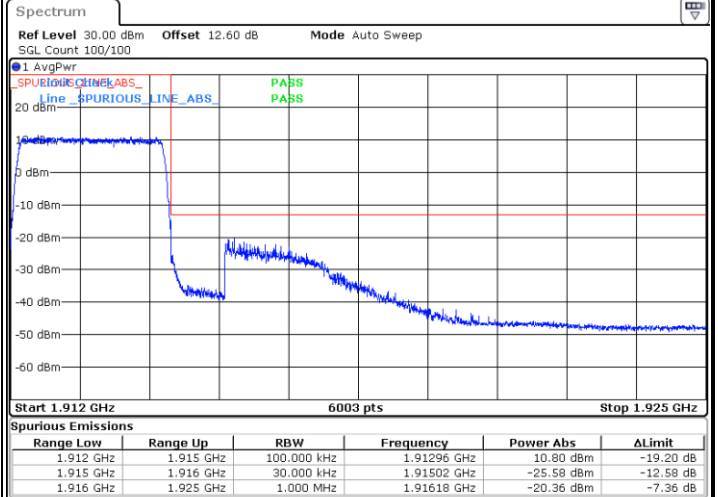


LTE Band 25 / 3MHz / QPSK

Lowest Band Edge / Full RB

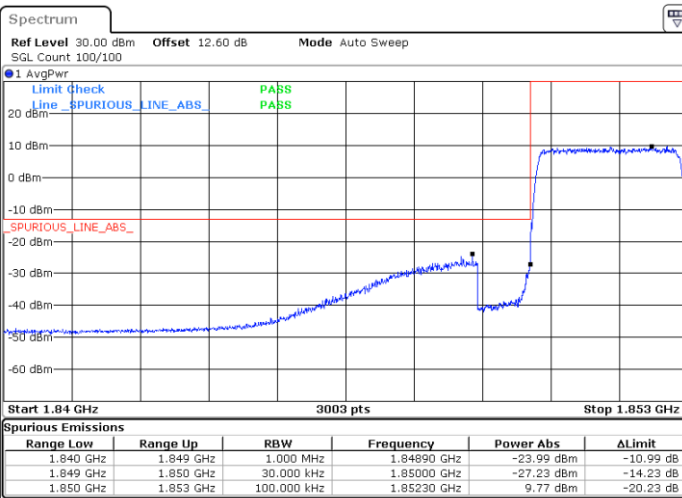


Highest Band Edge / Full RB

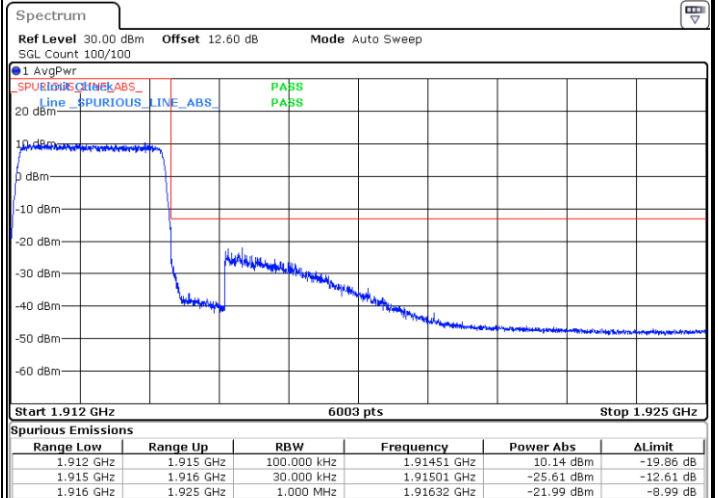


LTE Band 25 / 3MHz / 16QAM

Lowest Band Edge / Full RB



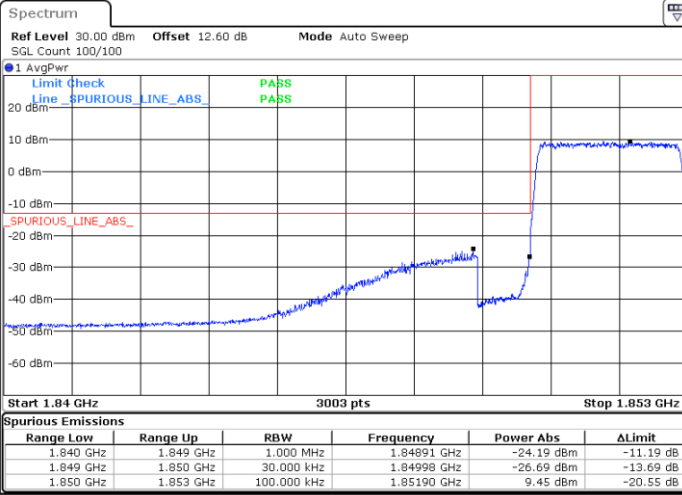
Highest Band Edge / Full RB



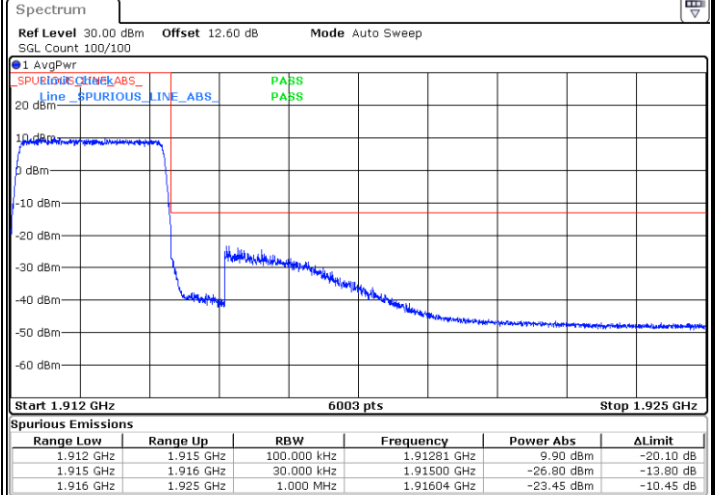


LTE Band 25 / 3MHz / 64QAM

Lowest Band Edge / Full RB

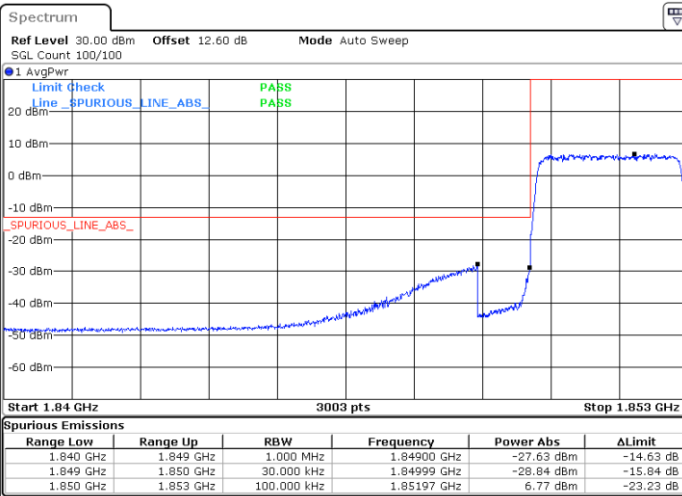


Highest Band Edge / Full RB

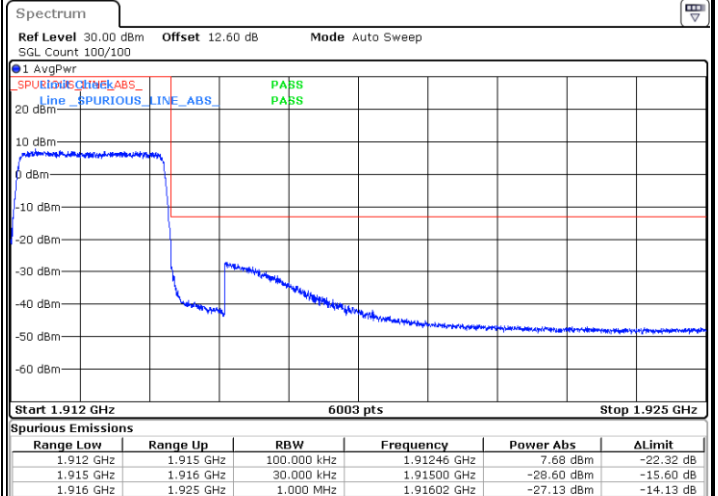


LTE Band 25 / 3MHz / 256QAM

Lowest Band Edge / Full RB



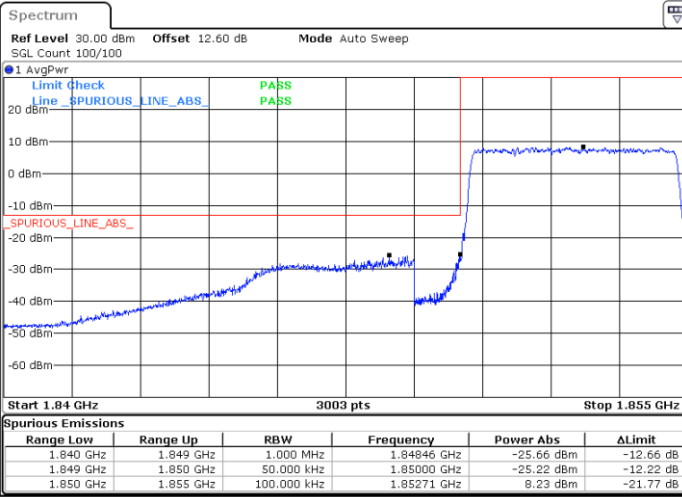
Highest Band Edge / Full RB





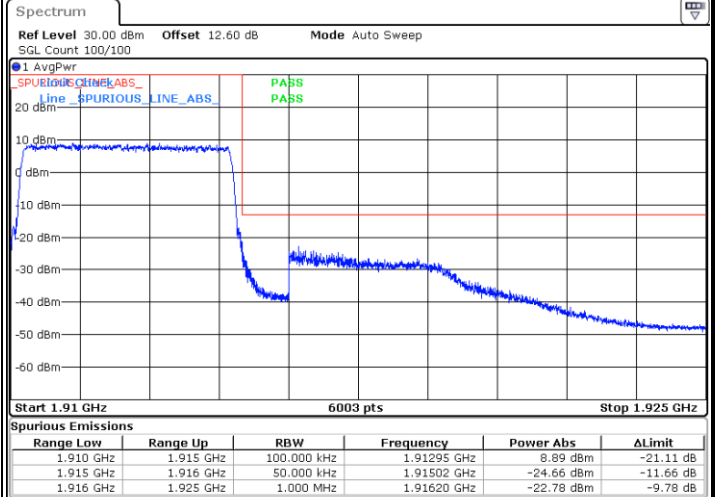
LTE Band 25 / 5MHz / QPSK

Lowest Band Edge / Full RB



Date: 19.DEC.2023 12:09:51

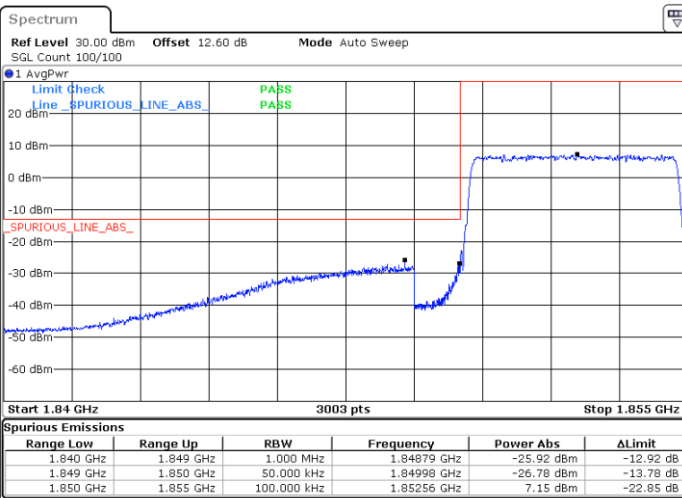
Highest Band Edge / Full RB



Date: 19.DEC.2023 12:13:09

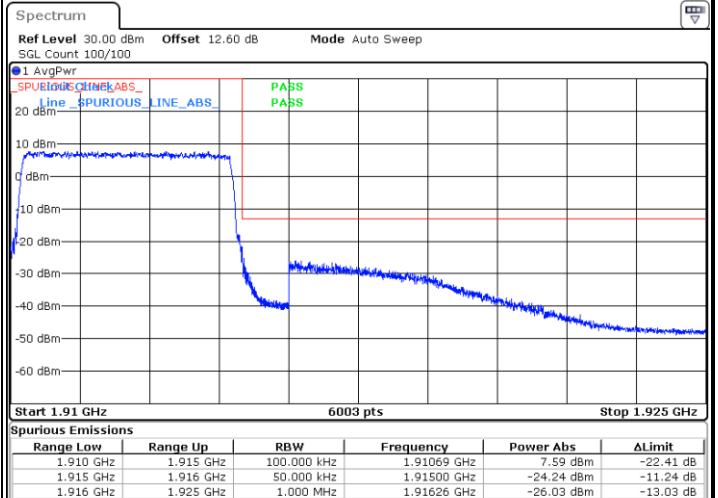
LTE Band 25 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Date: 19.DEC.2023 12:10:43

Highest Band Edge / Full RB

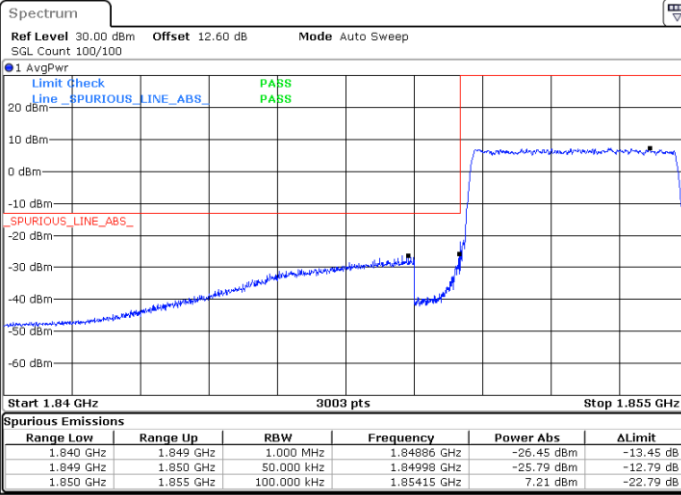


Date: 19.DEC.2023 12:14:01



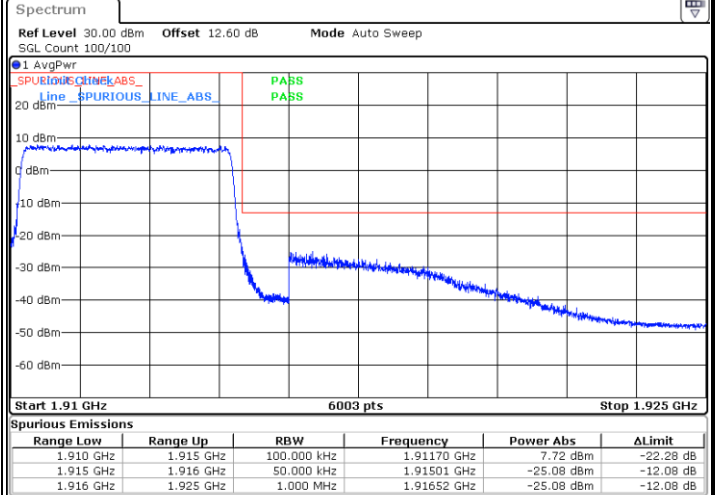
LTE Band 25 / 5MHz / 64QAM

Lowest Band Edge / Full RB



Date: 19.DEC.2023 12:14:53

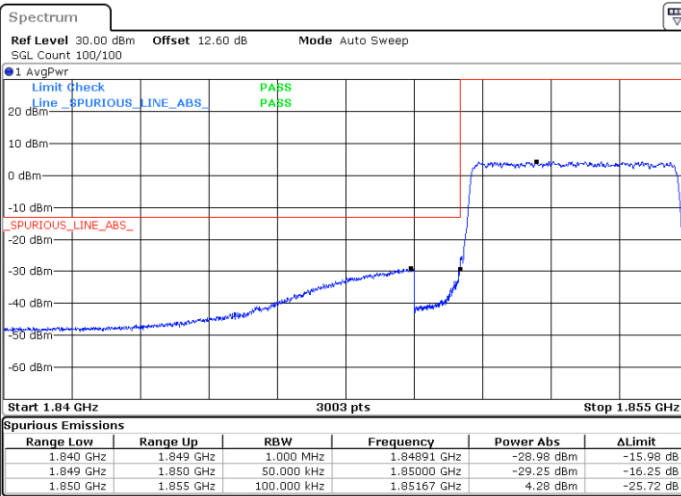
Highest Band Edge / Full RB



Date: 19.DEC.2023 12:16:32

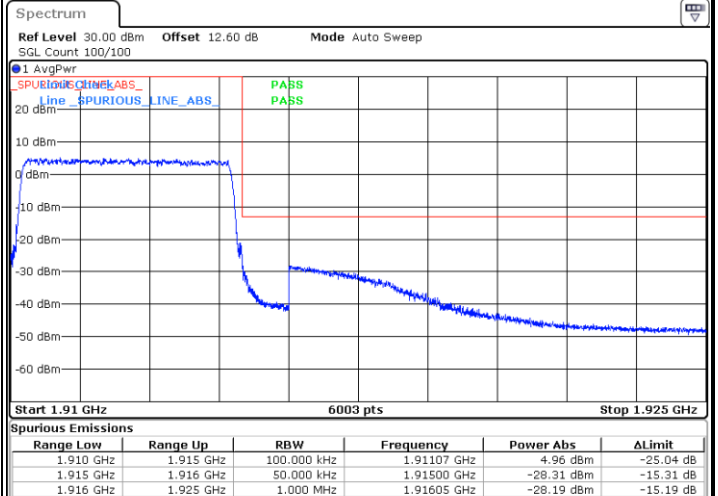
LTE Band 25 / 5MHz / 256QAM

Lowest Band Edge / Full RB



Date: 19.DEC.2023 13:38:47

Highest Band Edge / Full RB

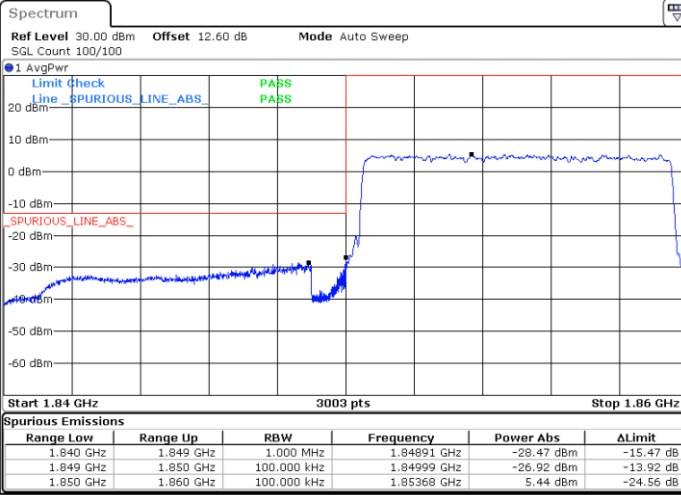


Date: 19.DEC.2023 13:40:35



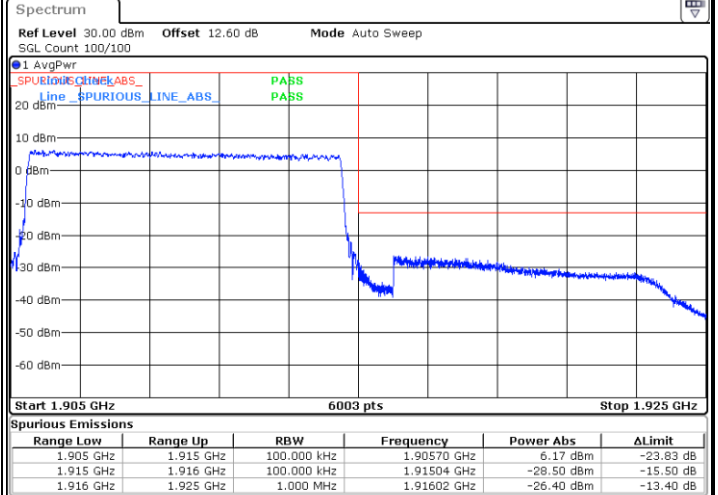
LTE Band 25 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 19.DEC.2023 12:17:25

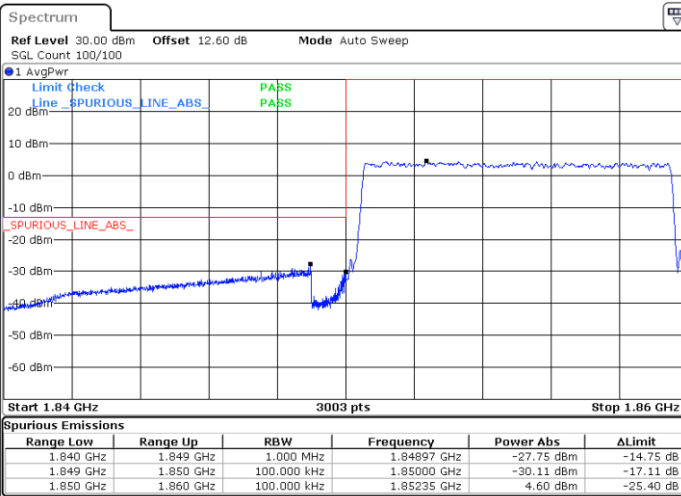
Highest Band Edge / Full RB



Date: 19.DEC.2023 12:20:42

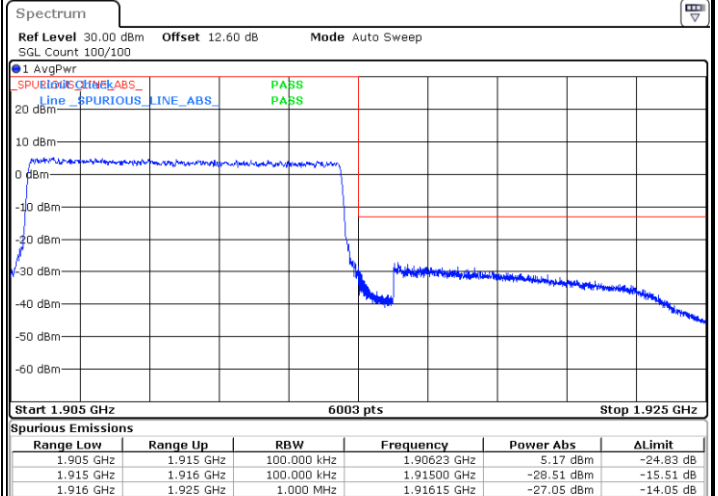
LTE Band 25 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 19.DEC.2023 12:18:17

Highest Band Edge / Full RB



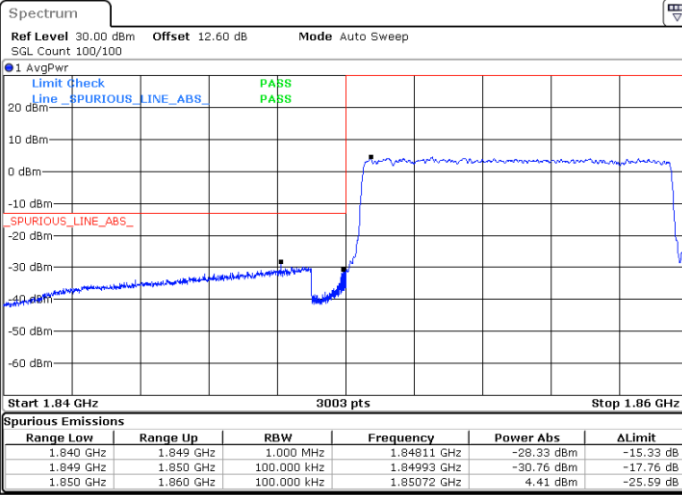
Date: 19.DEC.2023 12:21:35





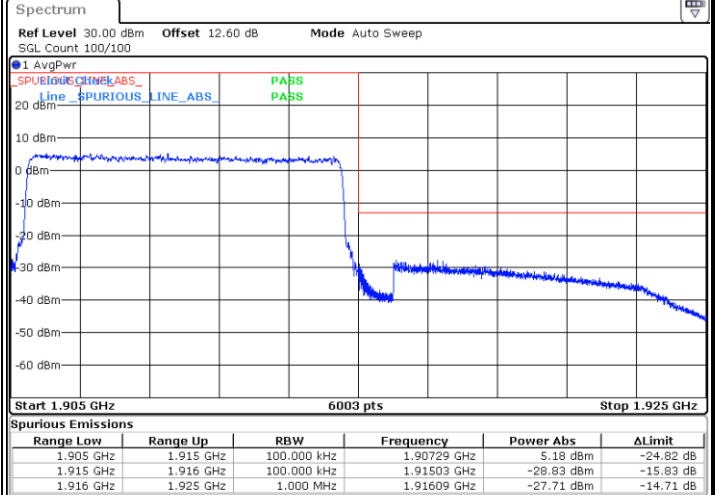
LTE Band 25 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 19.DEC.2023 12:22:27

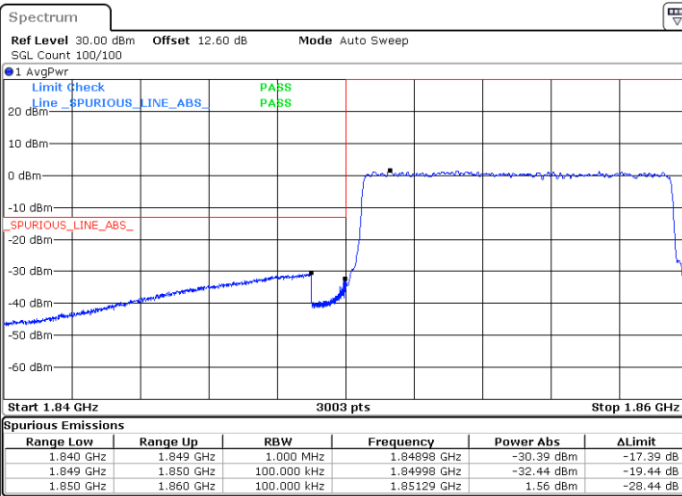
Highest Band Edge / Full RB



Date: 19.DEC.2023 12:24:05

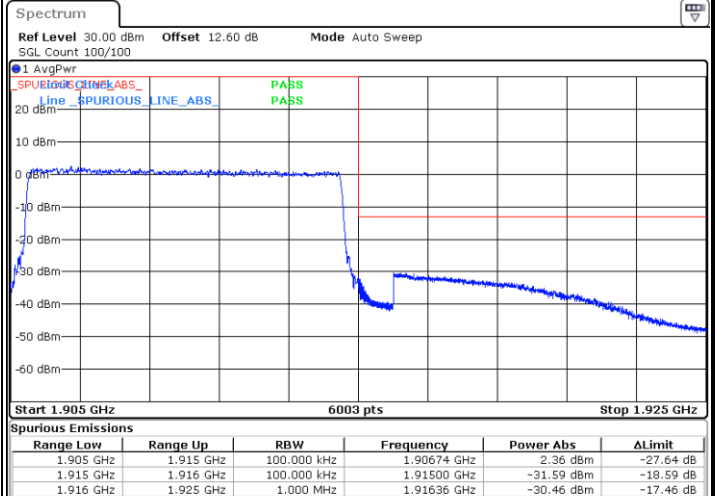
LTE Band 25 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 19.DEC.2023 13:51:29

Highest Band Edge / Full RB

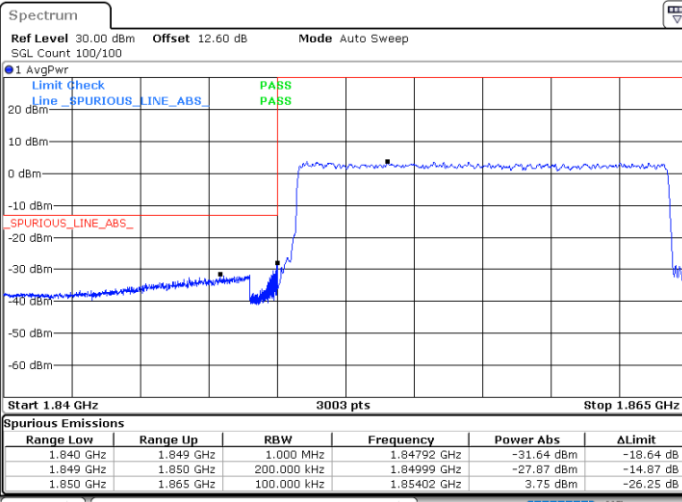


Date: 19.DEC.2023 13:53:16



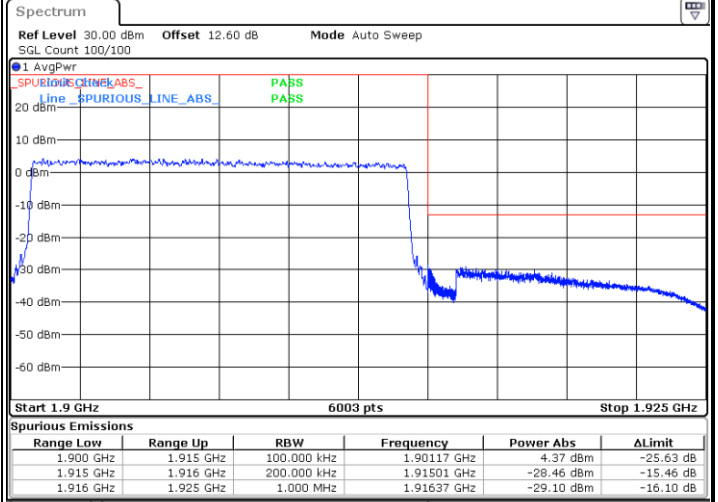
LTE Band 25 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 19.DEC.2023 12:27:29

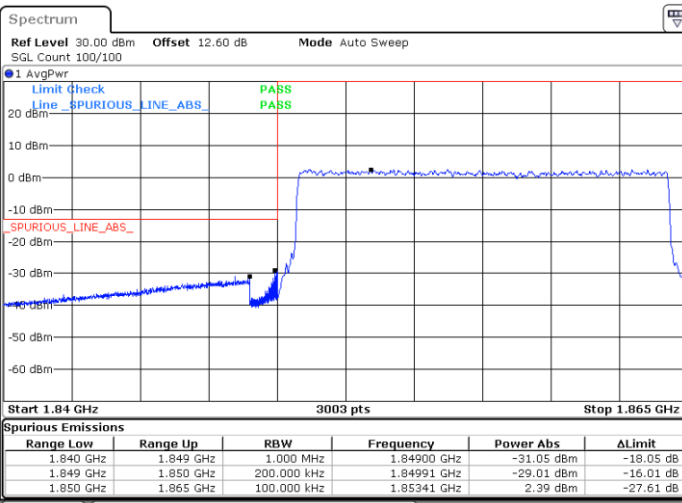
Highest Band Edge / Full RB



Date: 19.DEC.2023 12:30:46

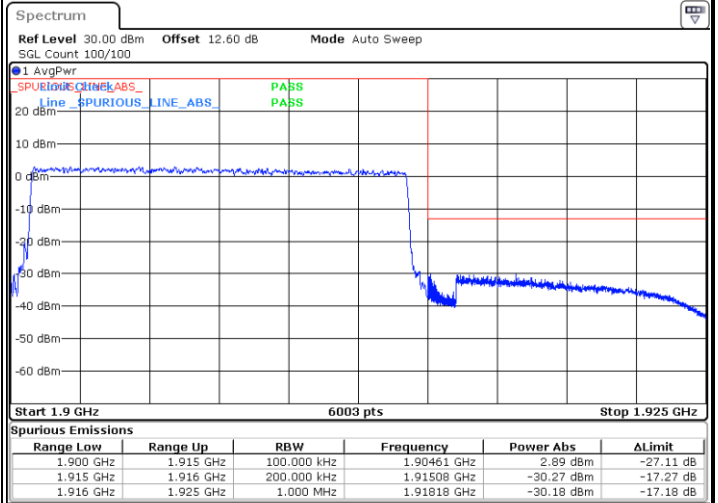
LTE Band 25 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 19.DEC.2023 12:28:21

Highest Band Edge / Full RB

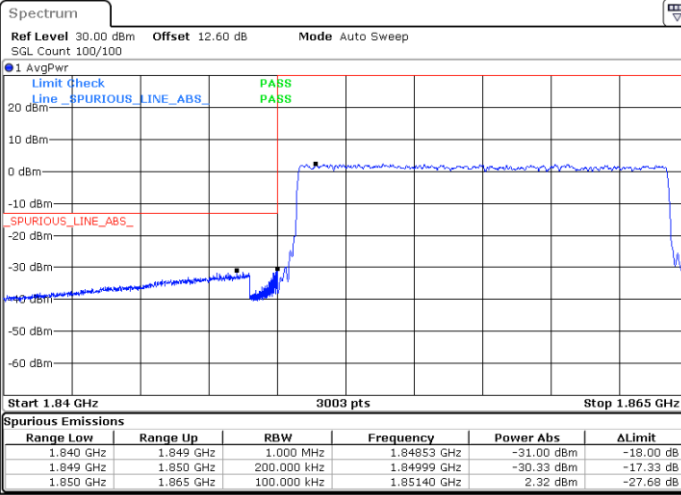


Date: 19.DEC.2023 12:31:39



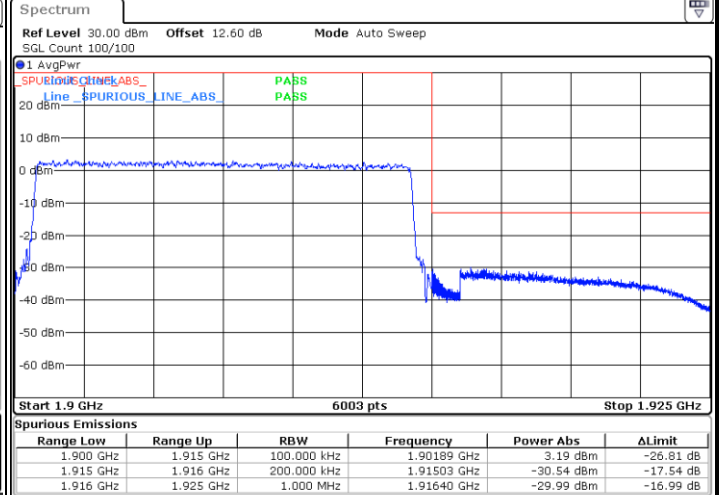
LTE Band 25 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 19.DEC.2023 12:24:58

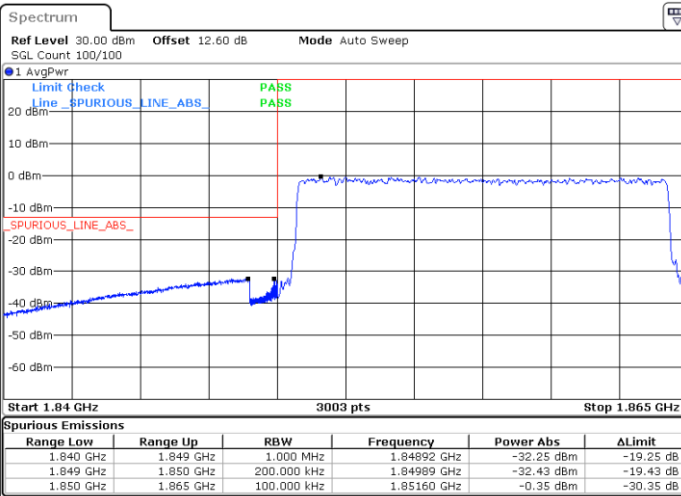
Highest Band Edge / Full RB



Date: 19.DEC.2023 12:26:37

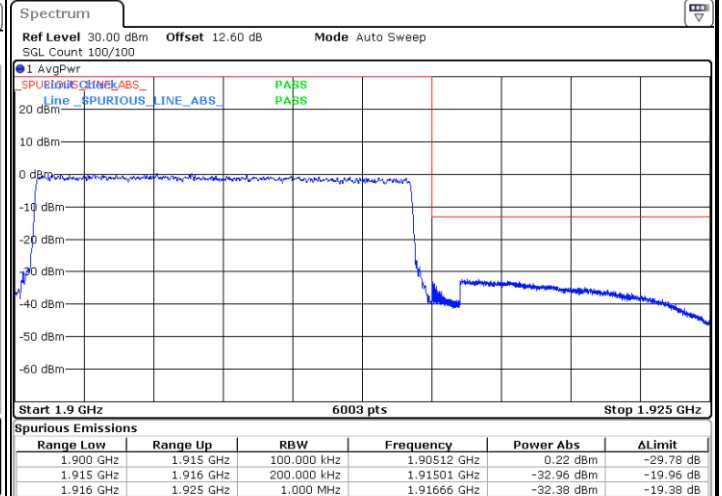
LTE Band 25 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 19.DEC.2023 13:56:41

Highest Band Edge / Full RB

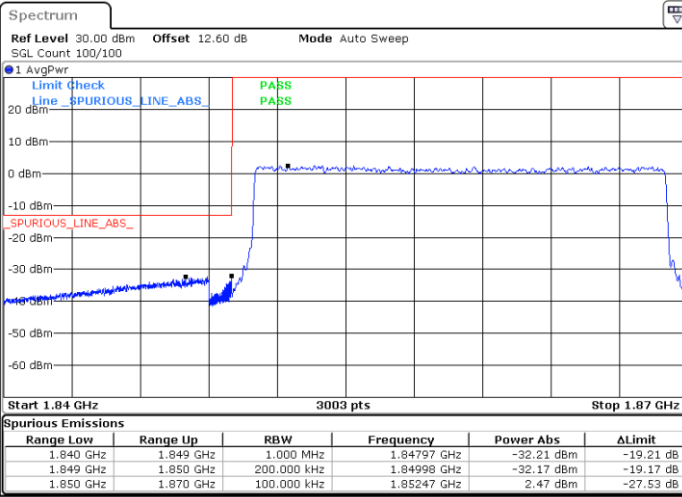


Date: 19.DEC.2023 13:58:28



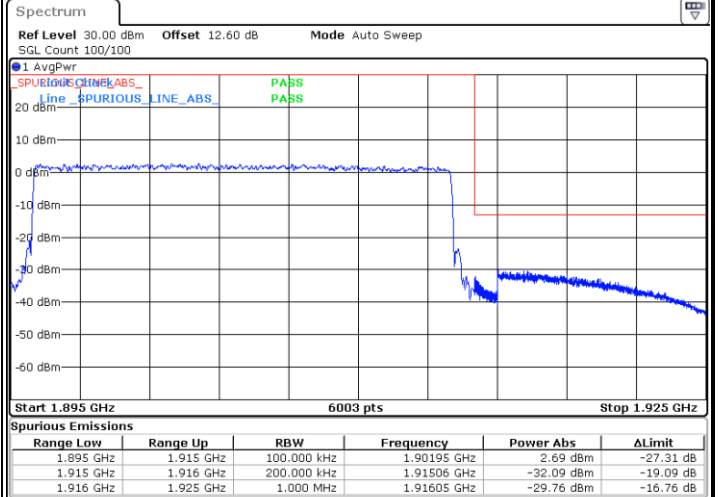
LTE Band 25 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 19.DEC.2023 12:32:32

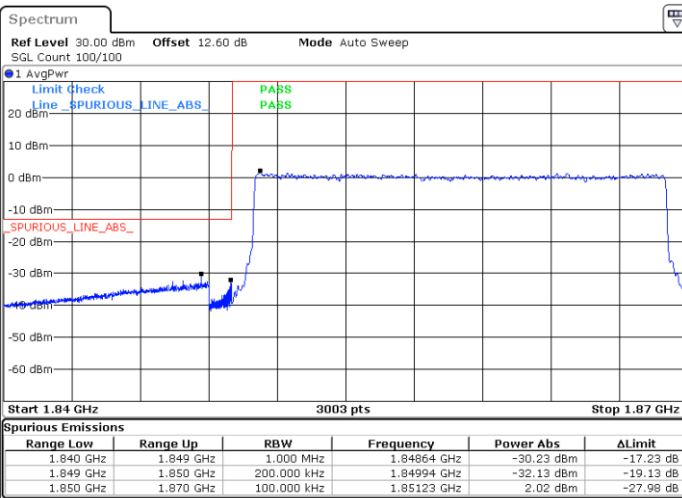
Highest Band Edge / Full RB



Date: 19.DEC.2023 12:35:49

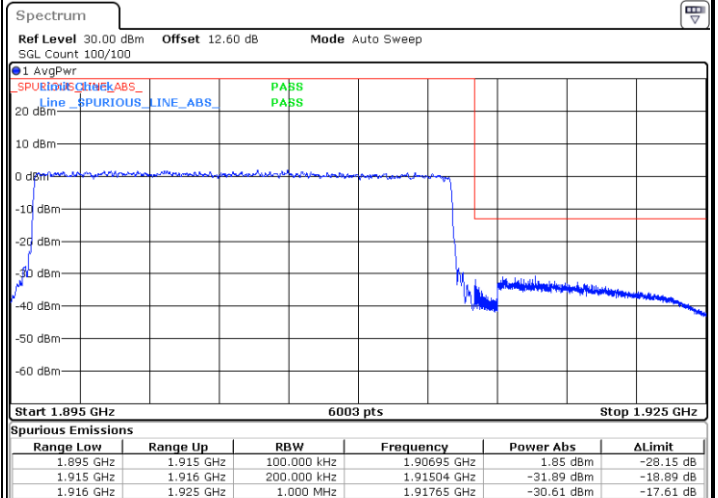
LTE Band 25 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 19.DEC.2023 12:33:24

Highest Band Edge / Full RB

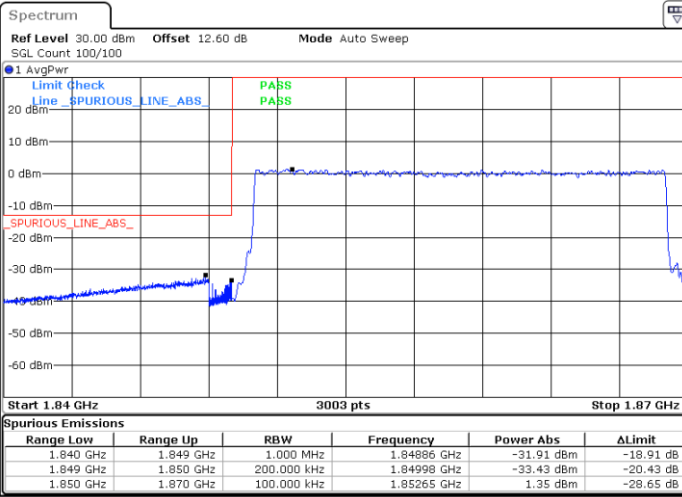


Date: 19.DEC.2023 12:36:41



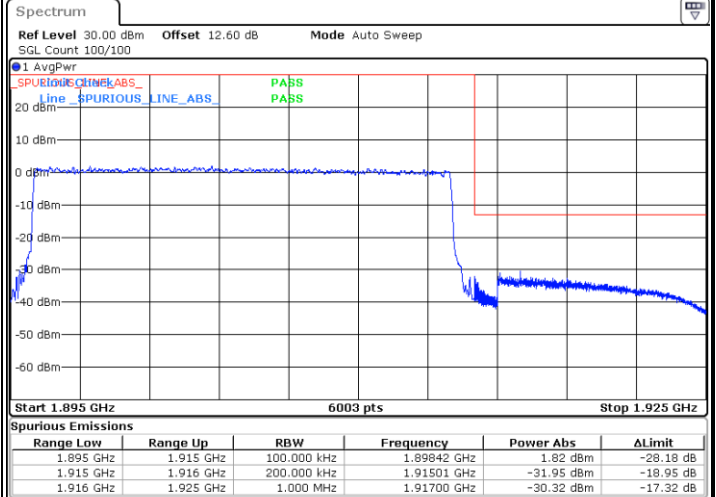
LTE Band 25 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 19.DEC.2023 12:37:33

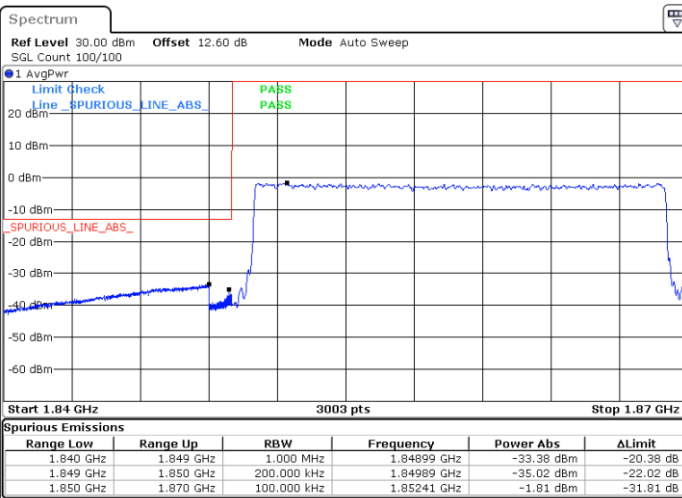
Highest Band Edge / Full RB



Date: 19.DEC.2023 12:39:11

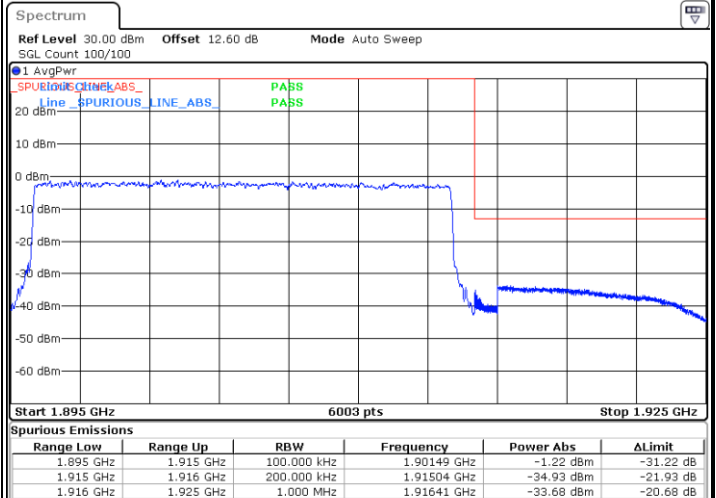
LTE Band 25 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 19.DEC.2023 14:00:34

Highest Band Edge / Full RB



Date: 19.DEC.2023 14:02:22

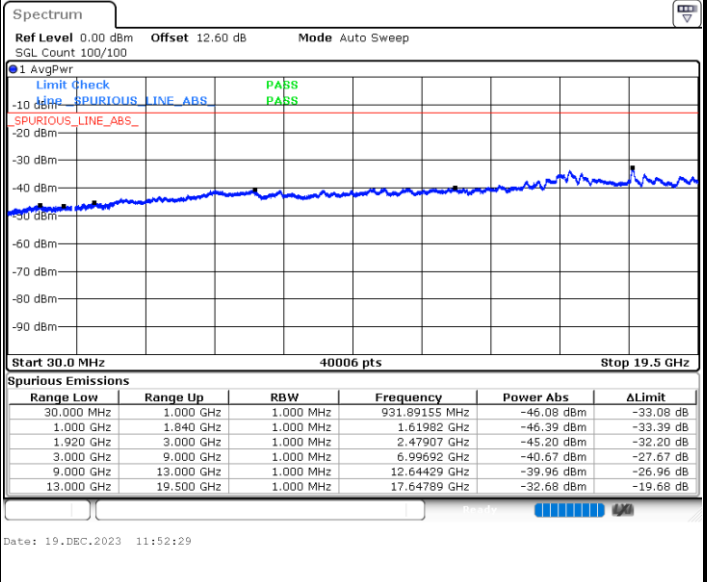
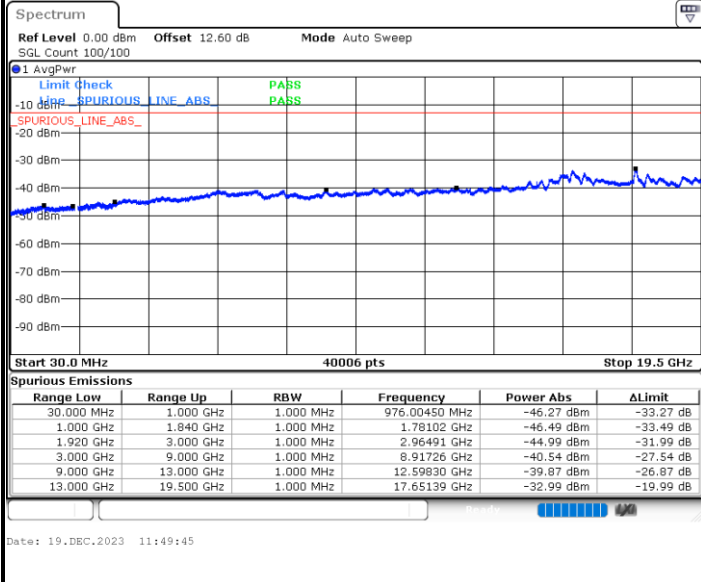


# Conducted Spurious Emission

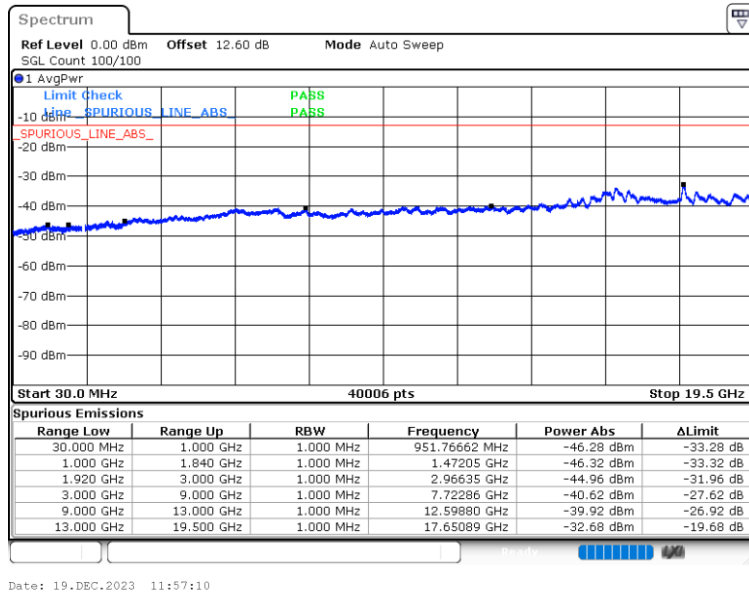
## LTE Band 25 / 1.4MHz

### Lowest Channel / QPSK

### Middle Channel / QPSK

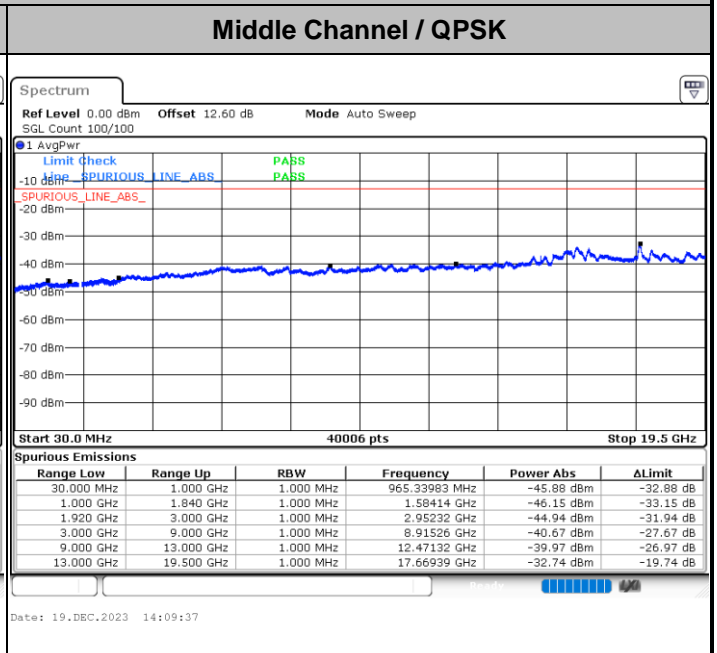
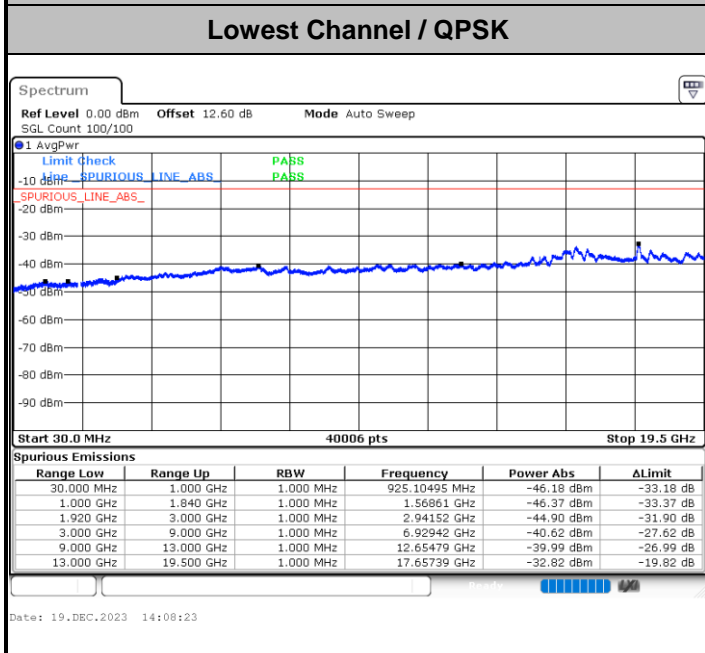


### Highest Channel / QPSK

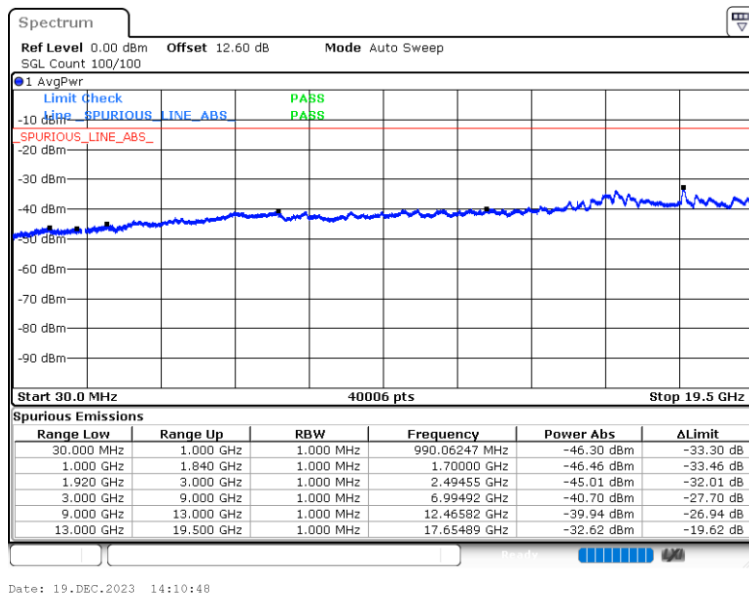




**LTE Band 25 / 3MHz**



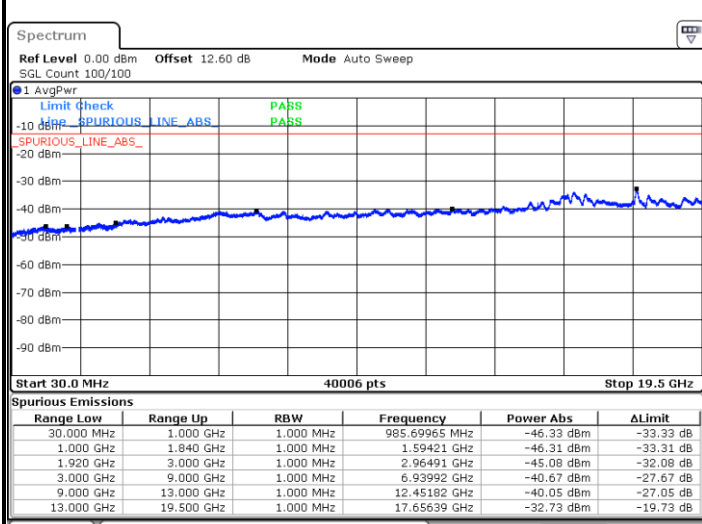
**Highest Channel / QPSK**





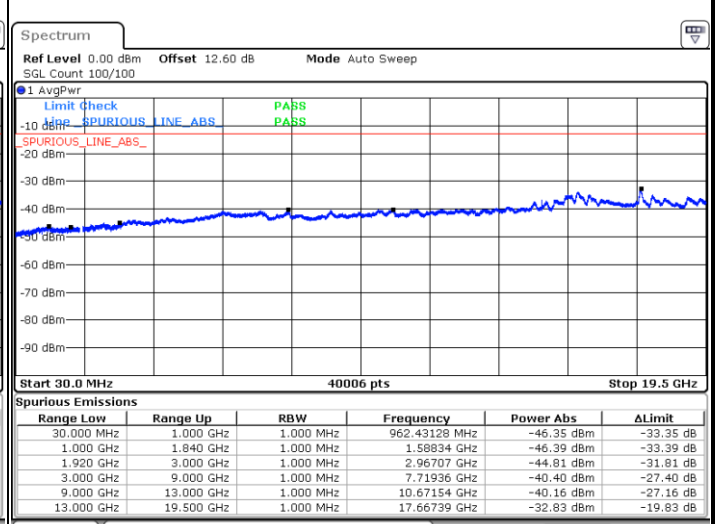
**LTE Band 25 / 5MHz**

**Lowest Channel / QPSK**



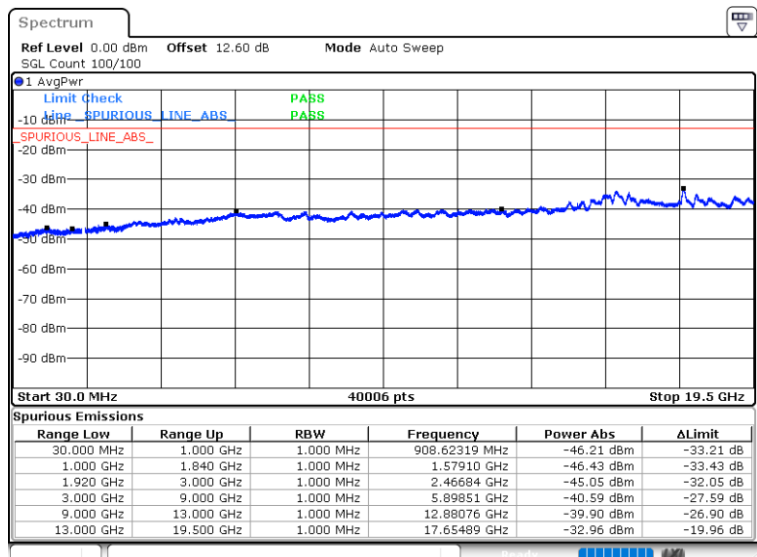
Date: 19.DEC.2023 14:12:01

**Middle Channel / QPSK**



Date: 19.DEC.2023 14:13:12

**Highest Channel / QPSK**

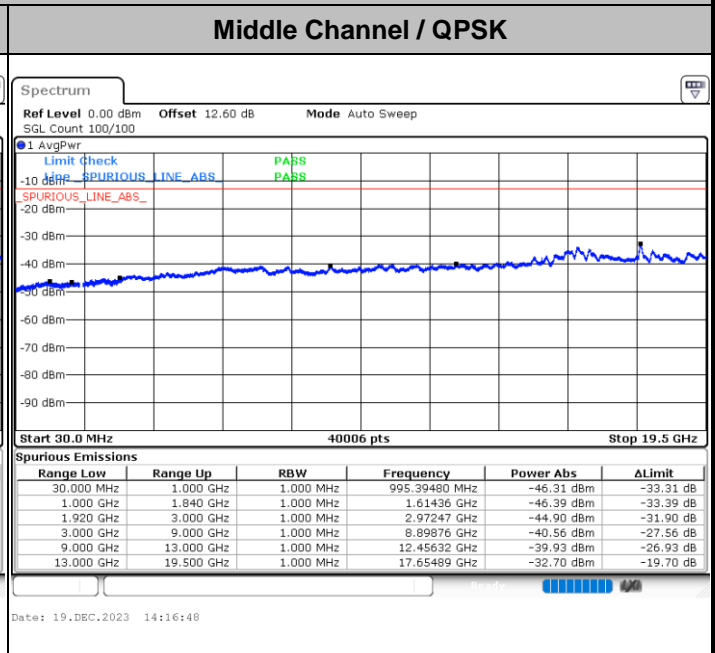
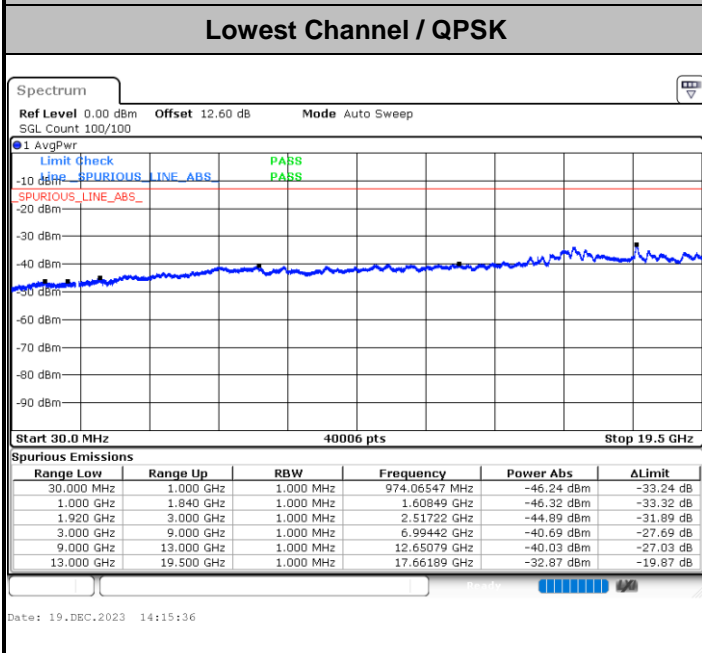


Date: 19.DEC.2023 14:14:24

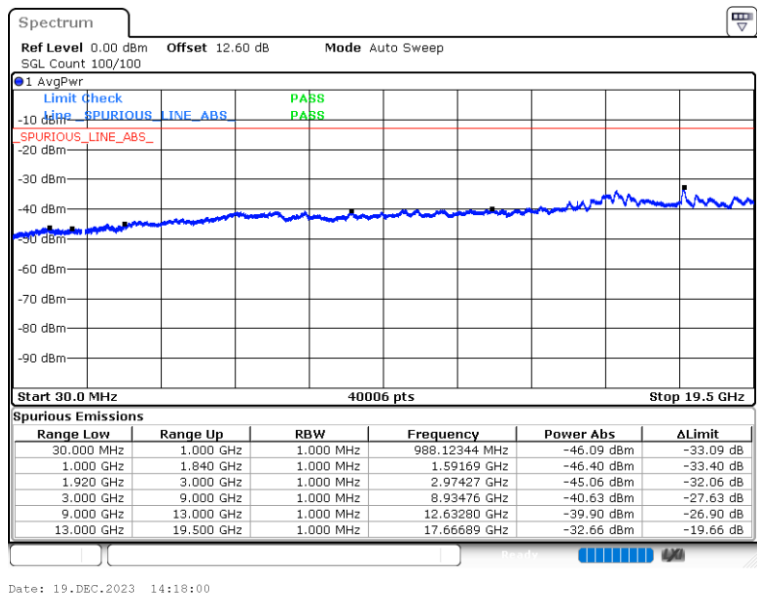




**LTE Band 25 / 10MHz**



**Highest Channel / QPSK**

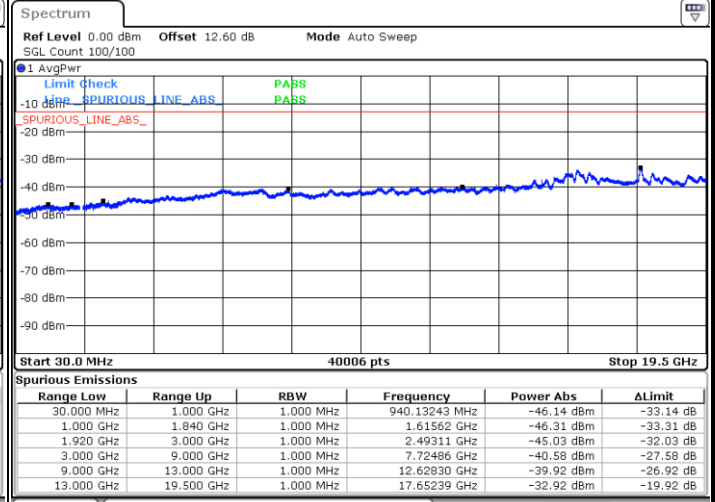
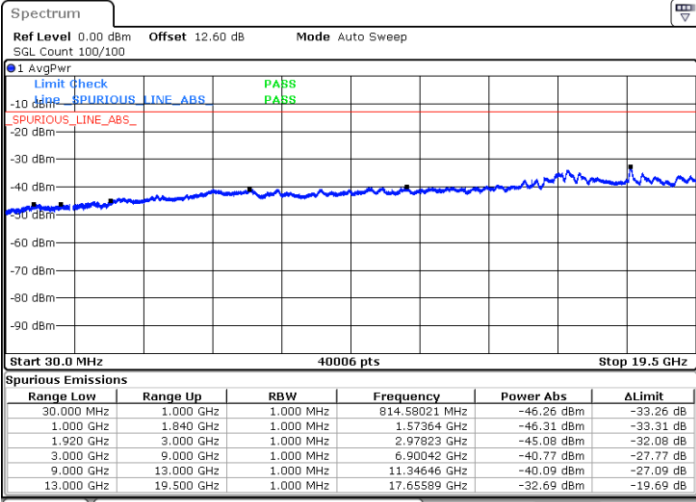




LTE Band 25 / 15MHz

Lowest Channel / QPSK

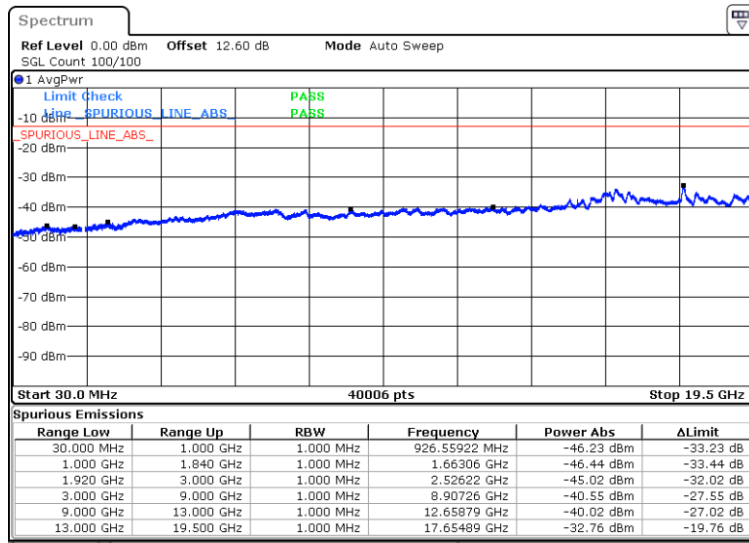
Middle Channel / QPSK



Date: 19.DEC.2023 14:19:12

Date: 19.DEC.2023 14:20:24

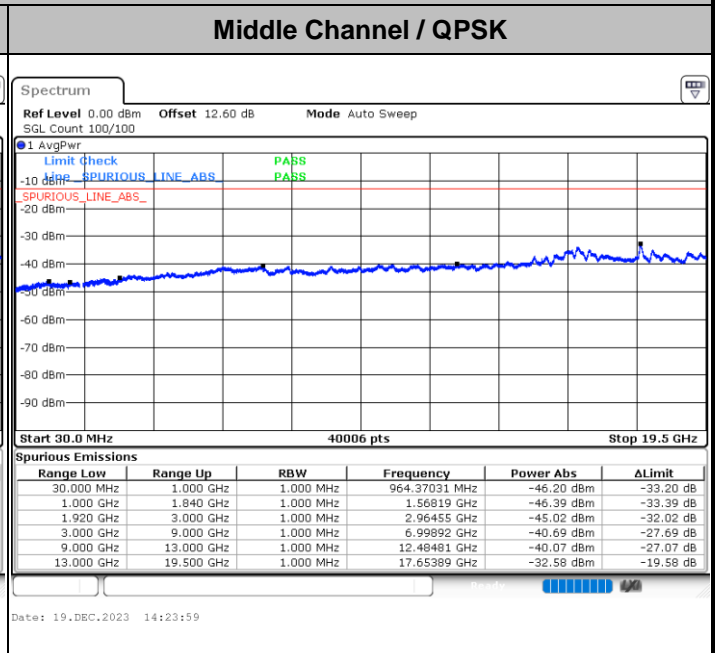
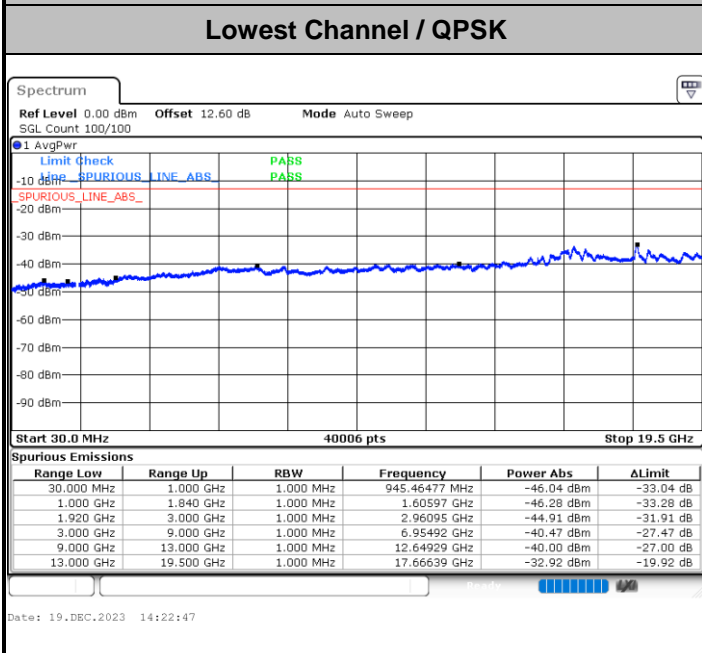
Highest Channel / QPSK



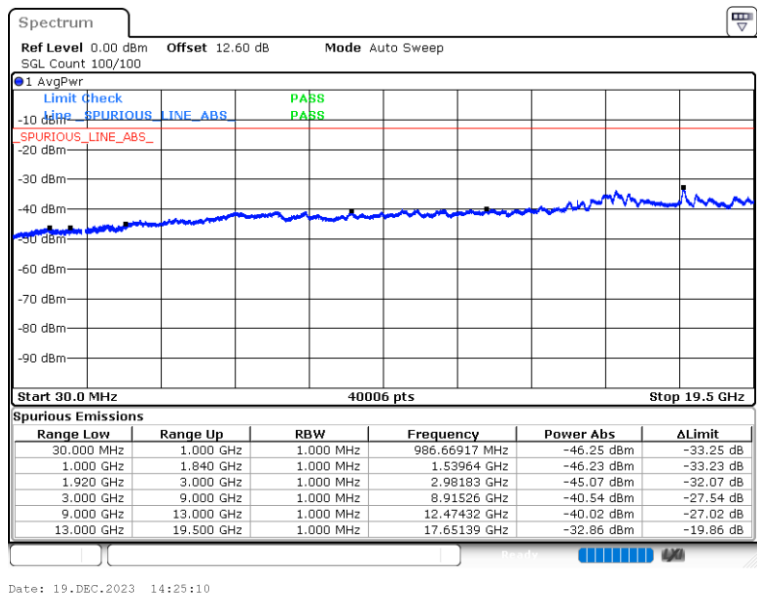
Date: 19.DEC.2023 14:21:35



**LTE Band 25 / 20MHz**



**Highest Channel / QPSK**





### Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0074	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0068	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0074	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0066	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0056	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0029	

**Note:**

- 1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.2 V
- 2. The frequency fundamental emissions stay within the authorized frequency block.