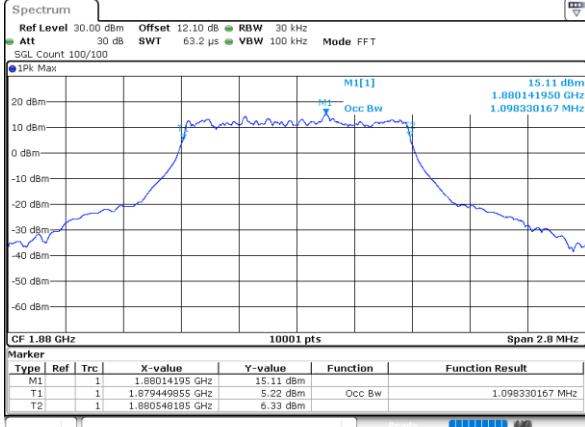




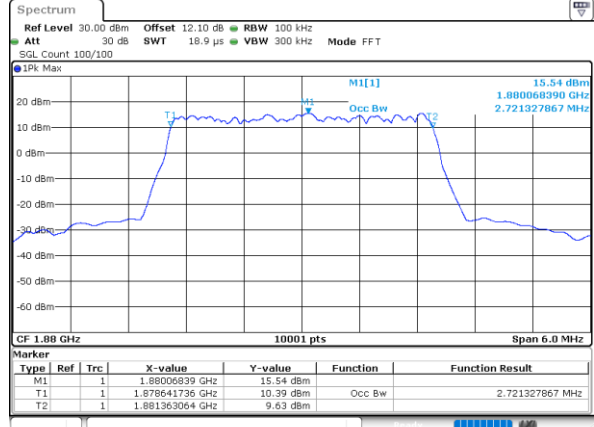
LTE Band 25

Middle Channel / 1.4MHz / 64QAM



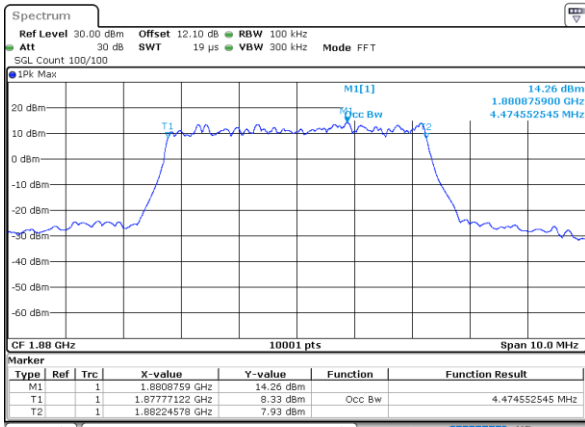
Date: 26.NOV.2024 19:11:31

Middle Channel / 3MHz / 64QAM



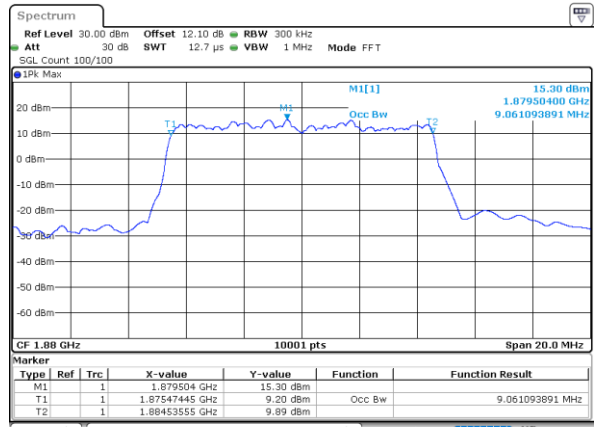
Date: 26.NOV.2024 19:14:48

Middle Channel / 5MHz / 64QAM



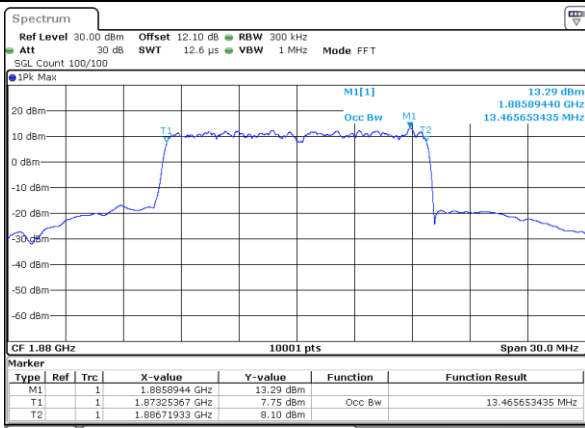
Date: 26.NOV.2024 19:17:58

Middle Channel / 10MHz / 64QAM



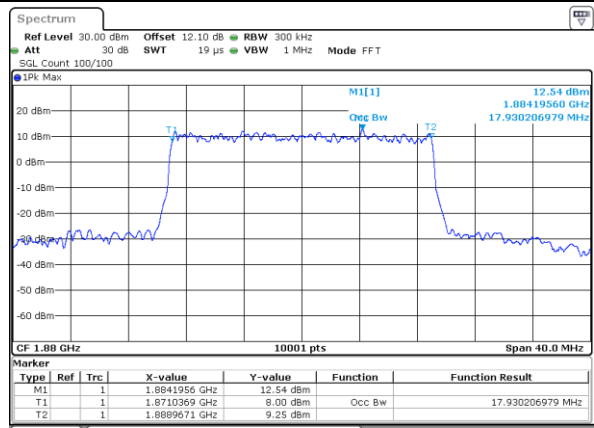
Date: 26.NOV.2024 19:20:39

Middle Channel / 15MHz / 64QAM



Date: 26.NOV.2024 19:23:31

Middle Channel / 20MHz / 64QAM

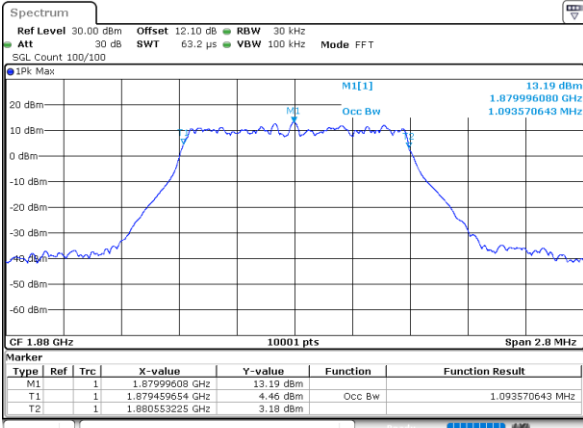


Date: 26.NOV.2024 19:26:22



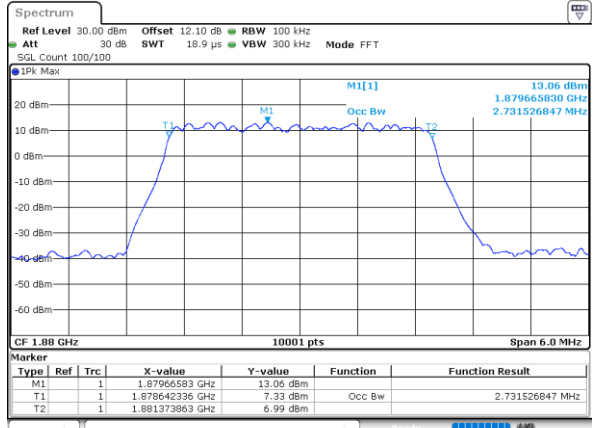
LTE Band 25

Middle Channel / 1.4MHz / 256QAM



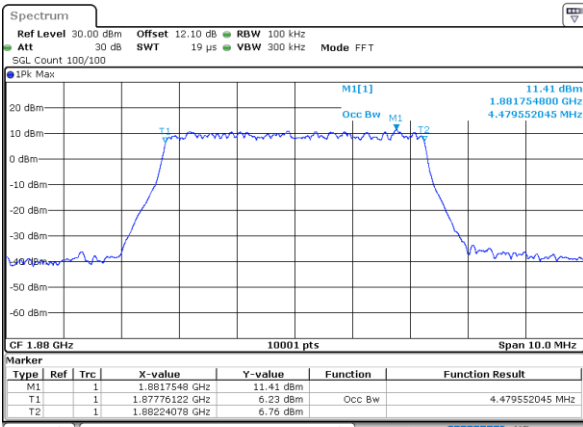
Date: 26.NOV.2024 19:12:13

Middle Channel / 3MHz / 256QAM



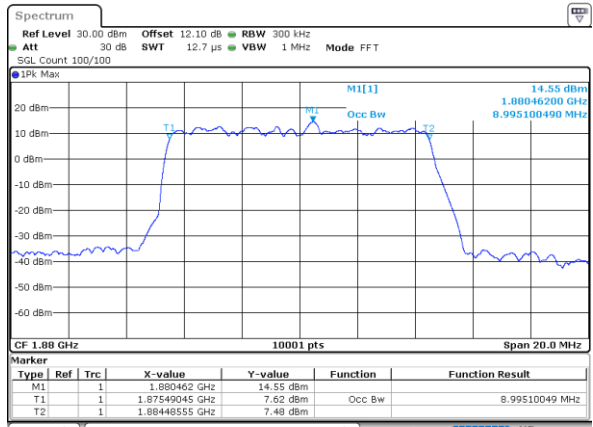
Date: 26.NOV.2024 19:15:29

Middle Channel / 5MHz / 256QAM



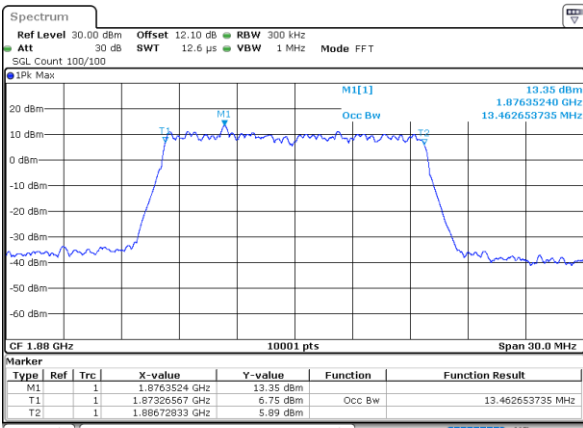
Date: 26.NOV.2024 19:18:18

Middle Channel / 10MHz / 256QAM



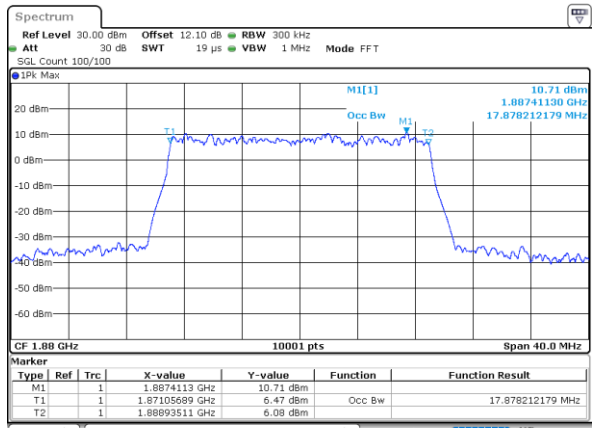
Date: 26.NOV.2024 19:21:21

Middle Channel / 15MHz / 256QAM



Date: 26.NOV.2024 19:24:13

Middle Channel / 20MHz / 256QAM



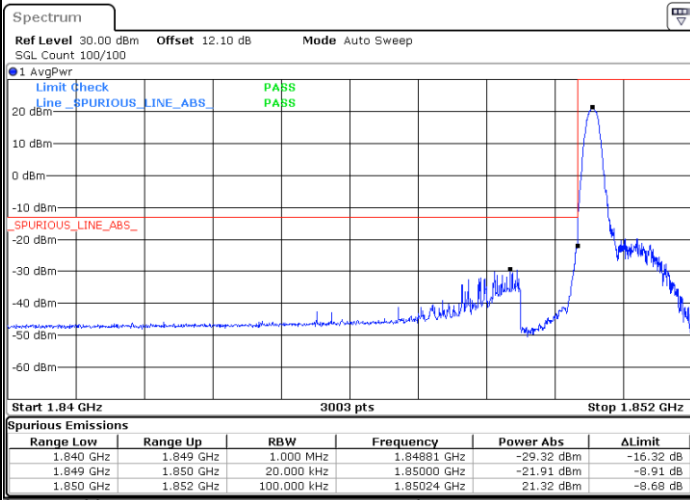
Date: 26.NOV.2024 19:27:03



# Conducted Band Edge

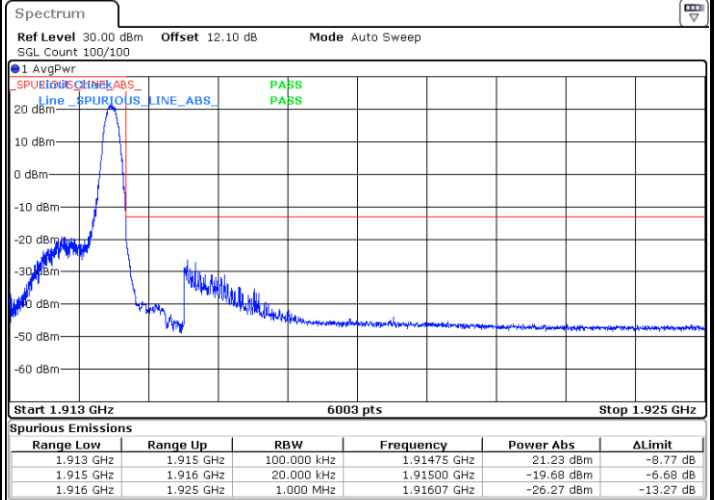
## LTE Band 25 / 1.4MHz / QPSK

### Lowest Band Edge / 1RB



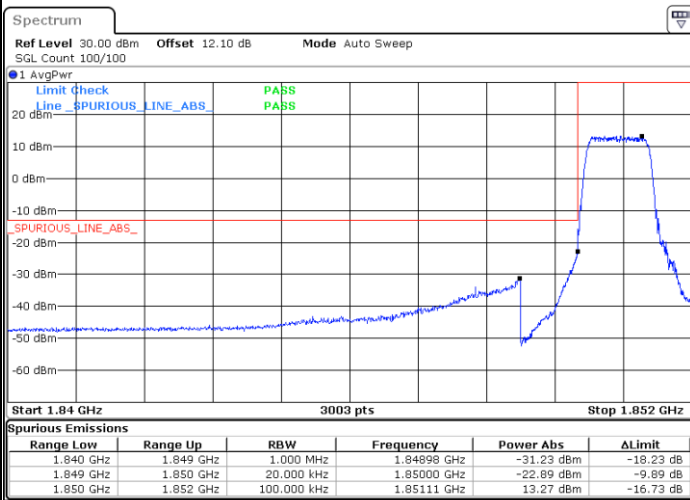
Date: 26.NOV.2024 18:04:19

### Highest Band Edge / 1RB



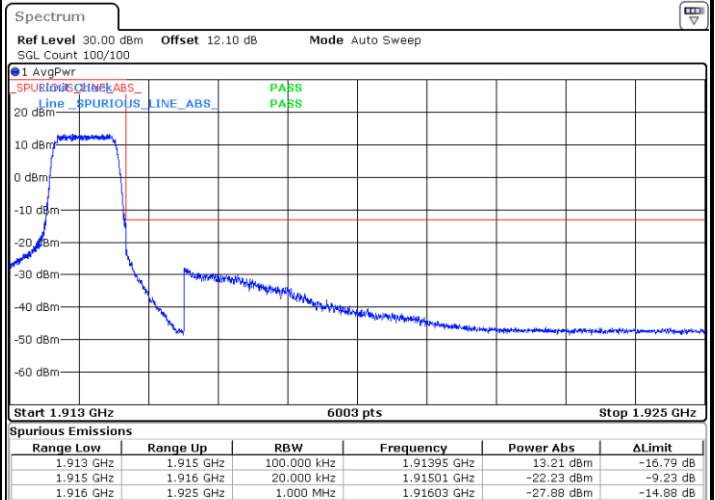
Date: 26.NOV.2024 18:18:24

### Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:08:58

### Highest Band Edge / Full RB

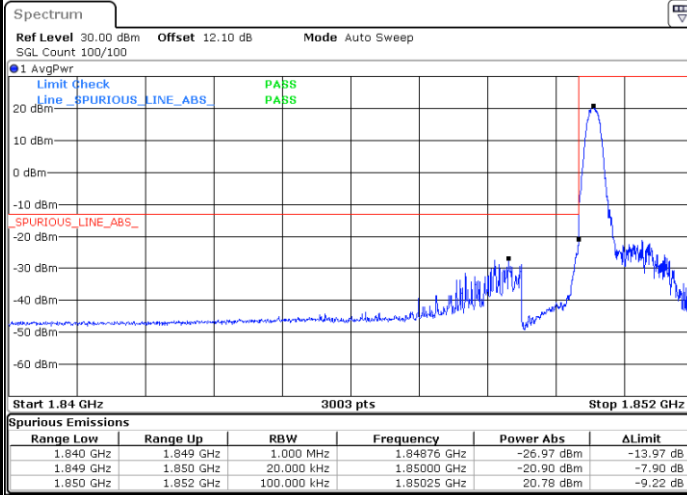


Date: 26.NOV.2024 18:13:37



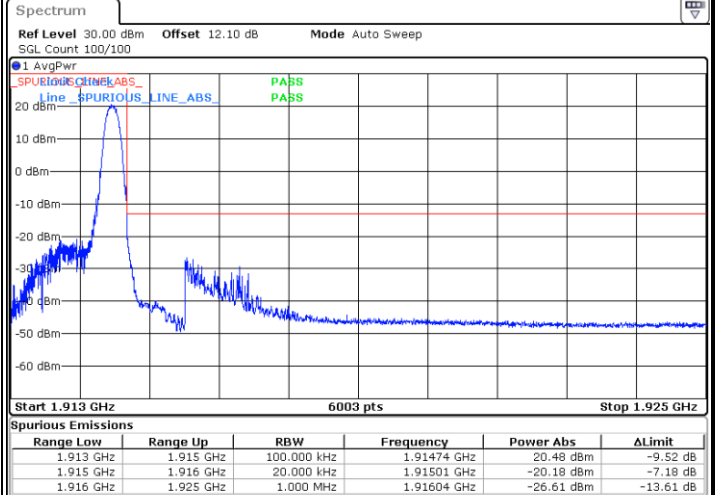
LTE Band 25 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



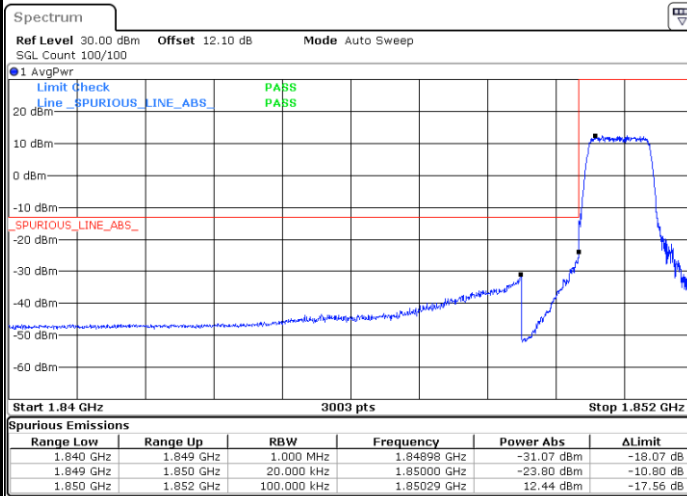
Date: 26.NOV.2024 18:05:27

Highest Band Edge / 1 RB



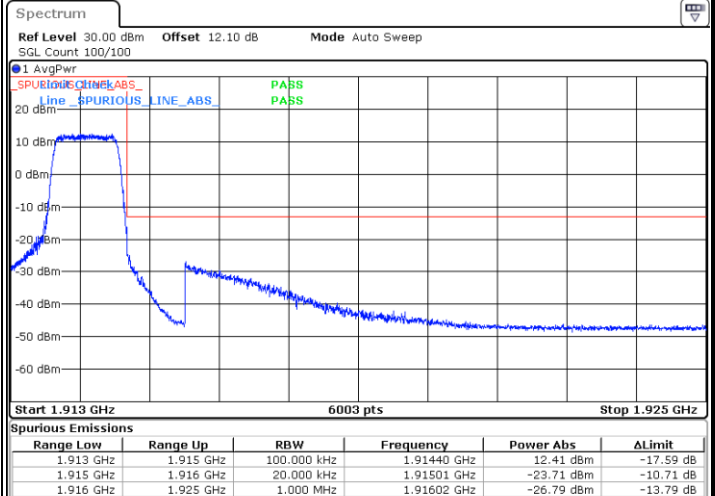
Date: 26.NOV.2024 18:19:35

Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:10:07

Highest Band Edge / Full RB

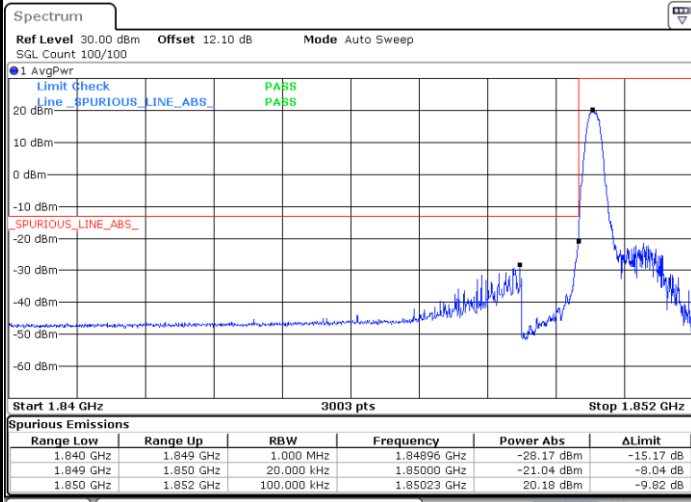


Date: 26.NOV.2024 18:14:47



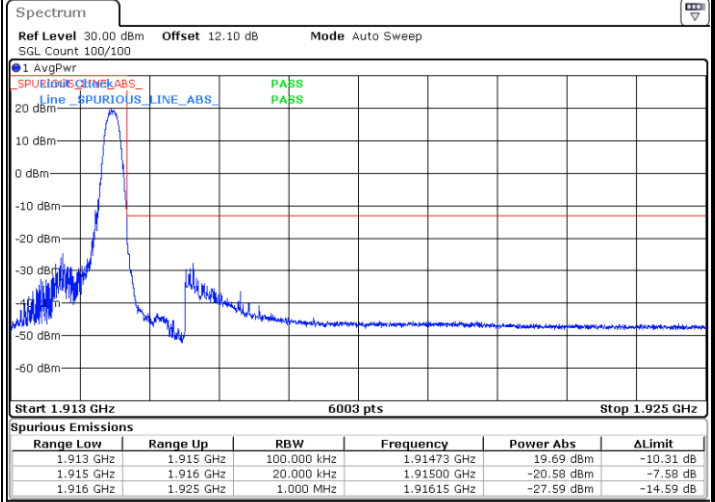
LTE Band 25 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



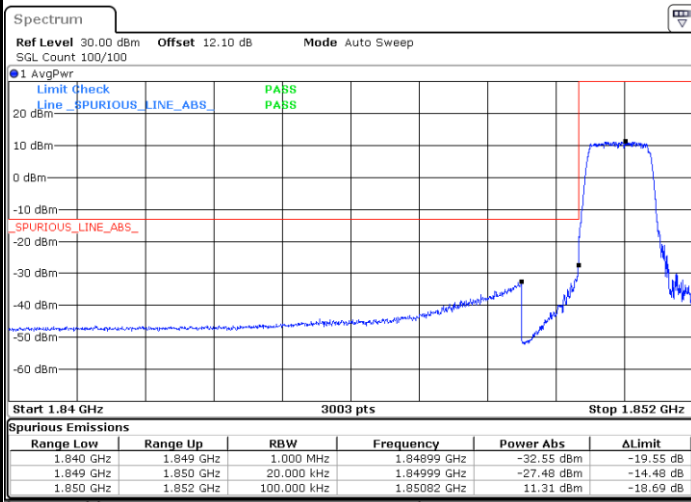
Date: 26.NOV.2024 18:06:35

Highest Band Edge / 1 RB



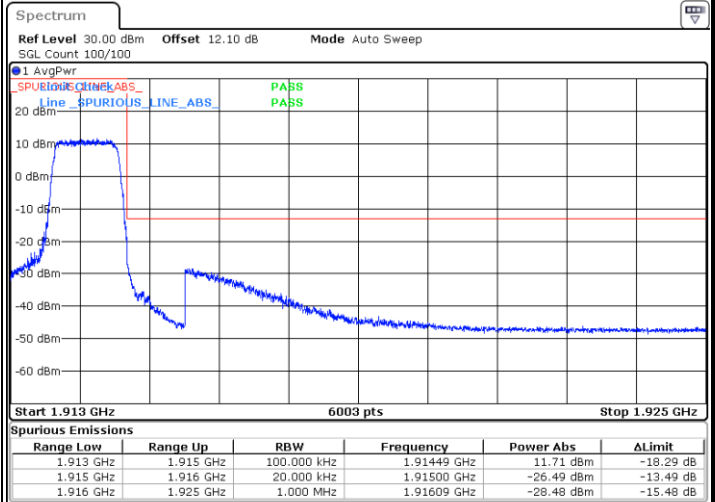
Date: 26.NOV.2024 18:20:47

Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:11:15

Highest Band Edge / Full RB

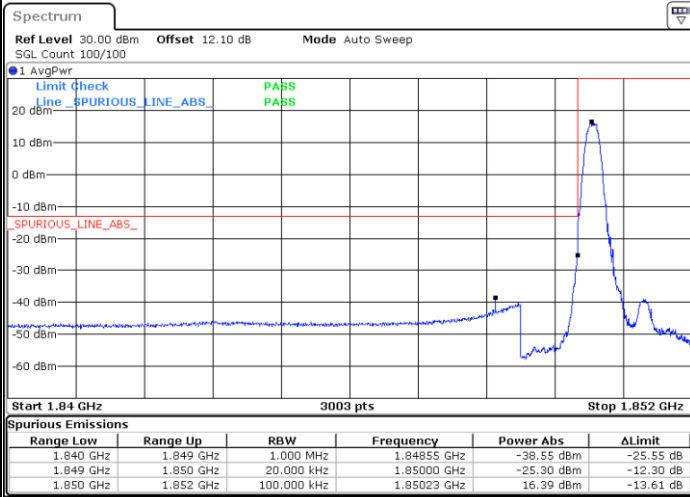


Date: 26.NOV.2024 18:15:56



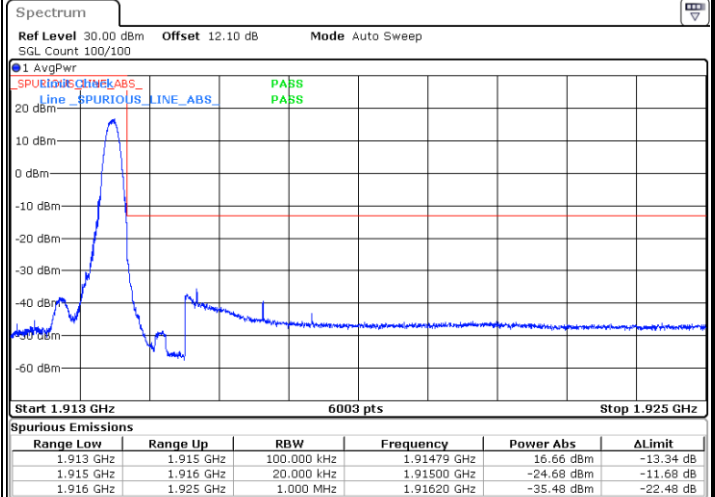
LTE Band 25 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB



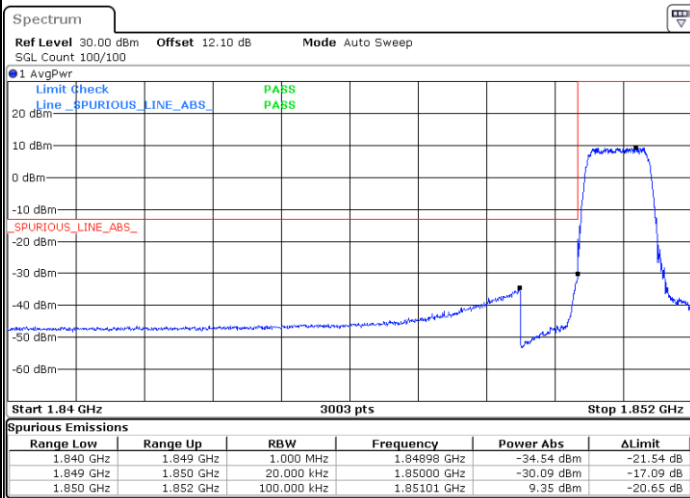
Date: 26.NOV.2024 18:07:45

Highest Band Edge / 1 RB



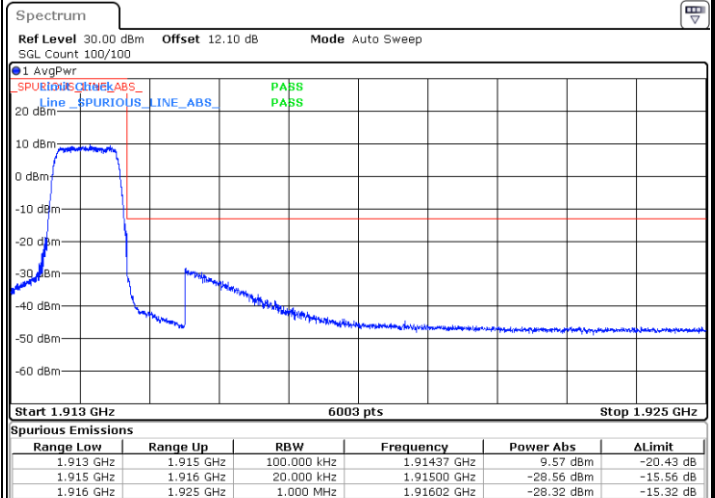
Date: 26.NOV.2024 18:21:55

Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:12:24

Highest Band Edge / Full RB

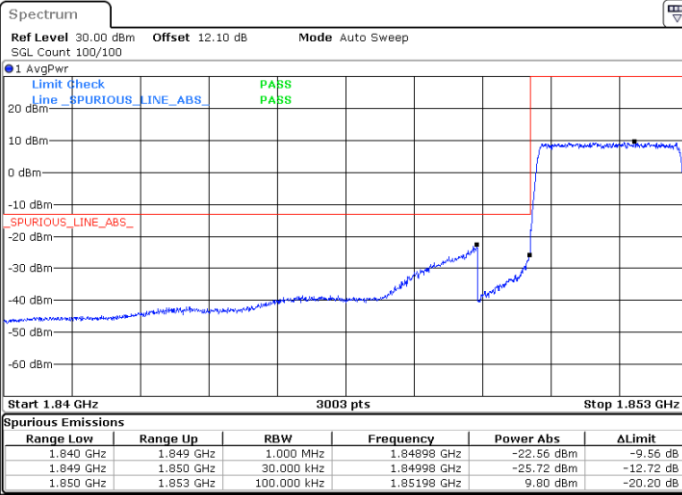


Date: 26.NOV.2024 18:17:11

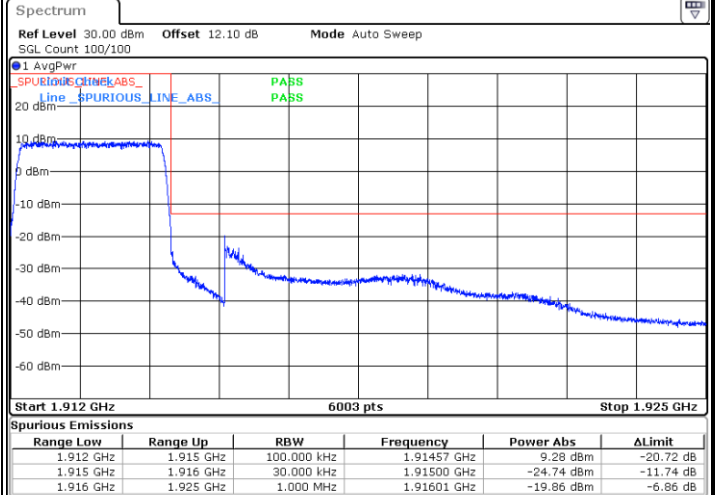


LTE Band 25 / 3MHz / QPSK

Lowest Band Edge / Full RB

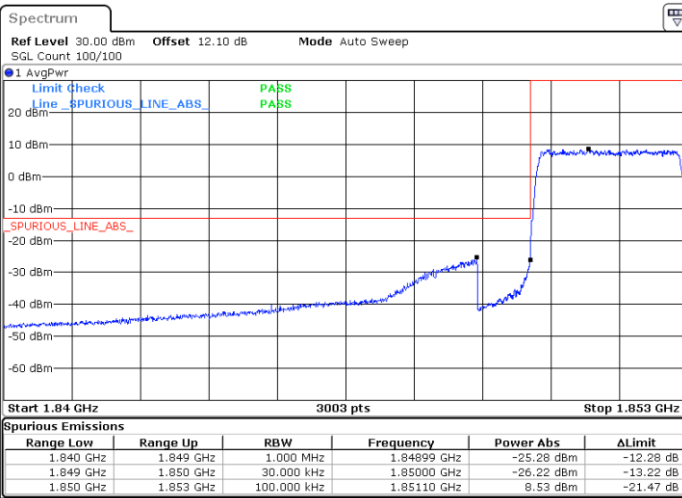


Highest Band Edge / Full RB

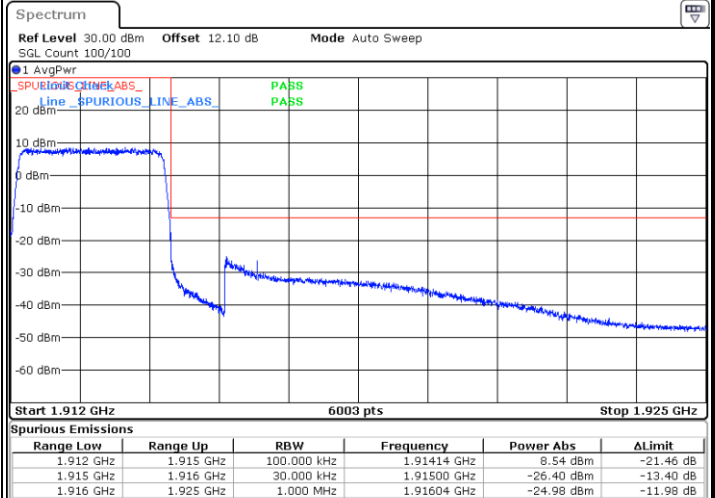


LTE Band 25 / 3MHz / 16QAM

Lowest Band Edge / Full RB



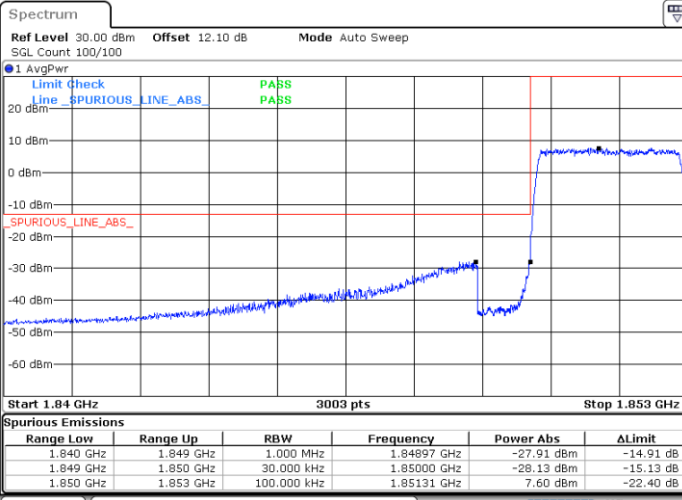
Highest Band Edge / Full RB



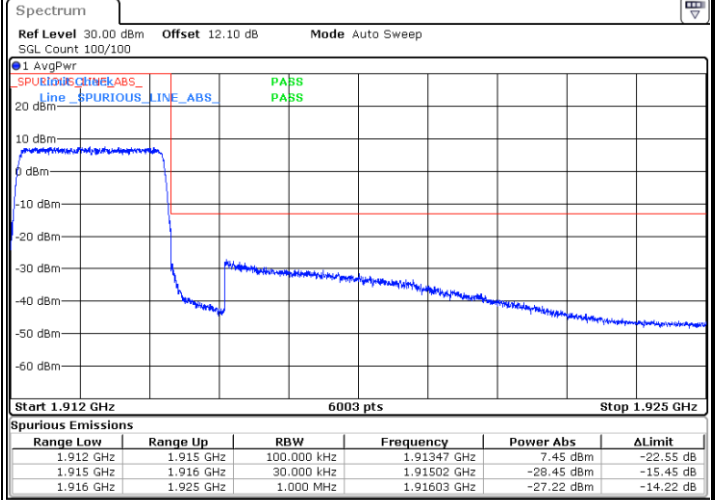


LTE Band 25 / 3MHz / 64QAM

Lowest Band Edge / Full RB

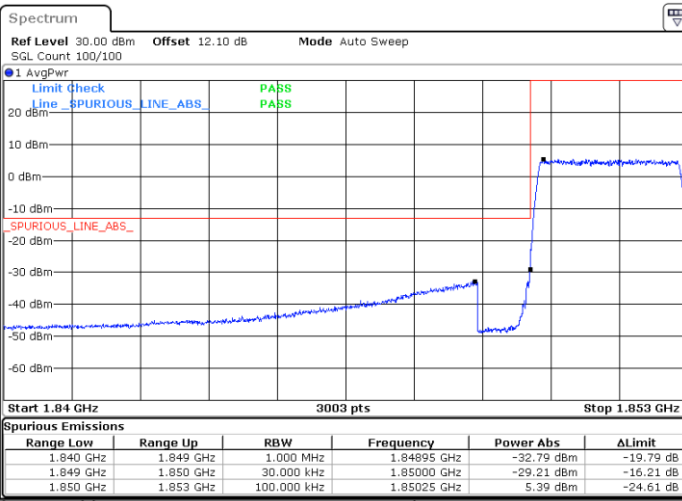


Highest Band Edge / Full RB

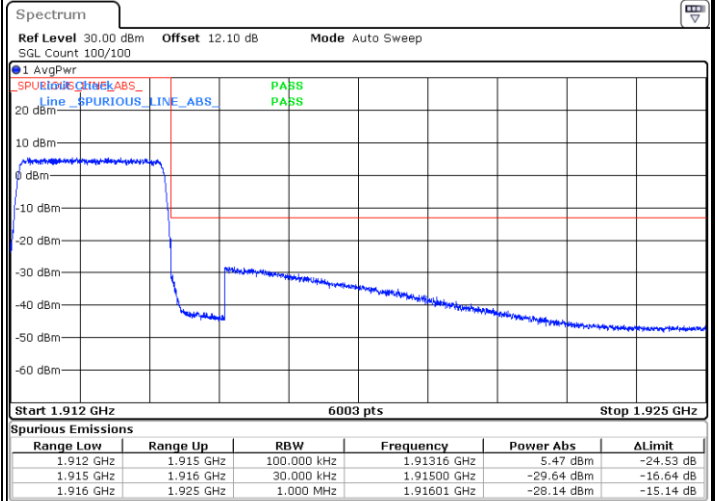


LTE Band 25 / 3MHz / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

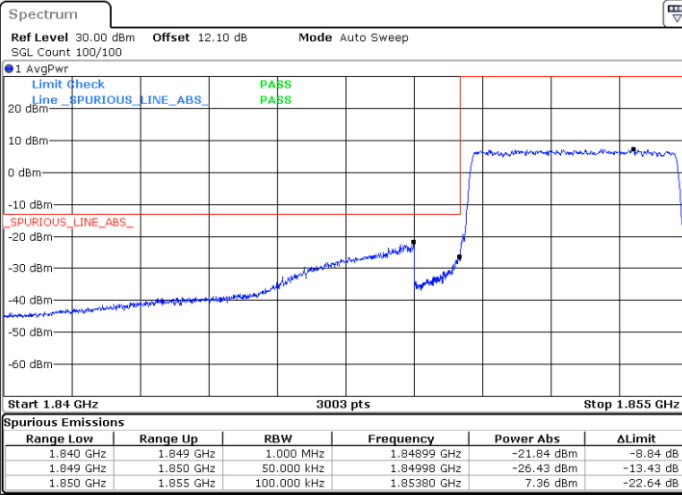






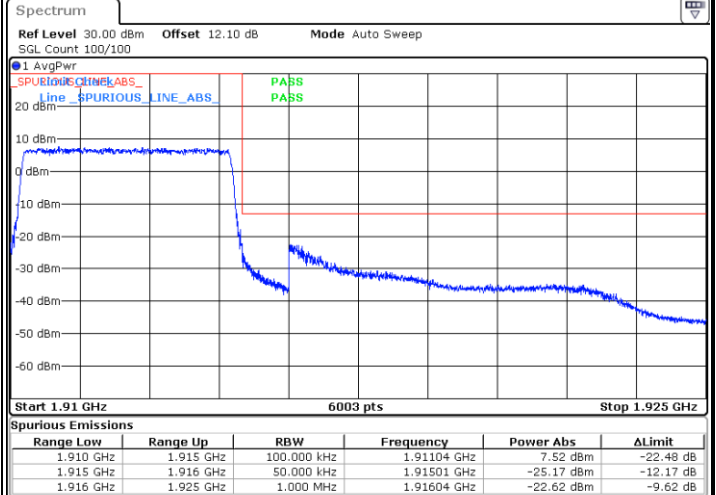
LTE Band 25 / 5MHz / QPSK

Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:32:51

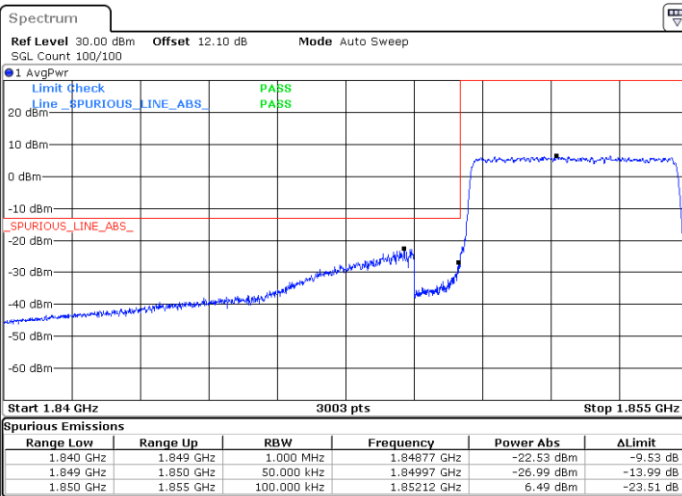
Highest Band Edge / Full RB



Date: 26.NOV.2024 18:37:35

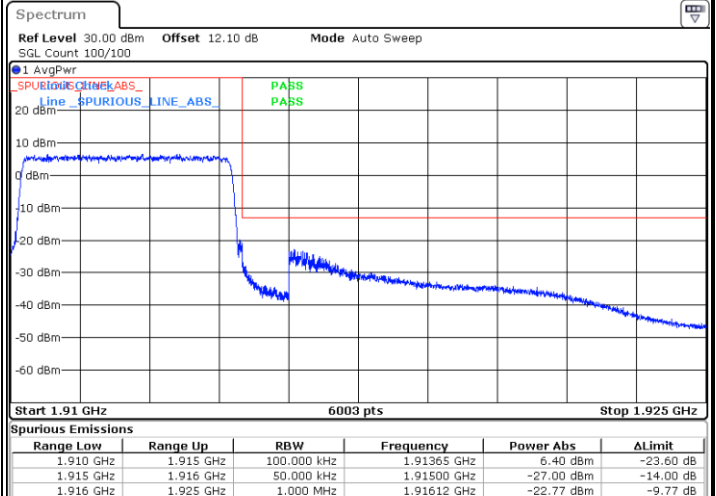
LTE Band 25 / 5MHz / 16QAM

Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:34:00

Highest Band Edge / Full RB

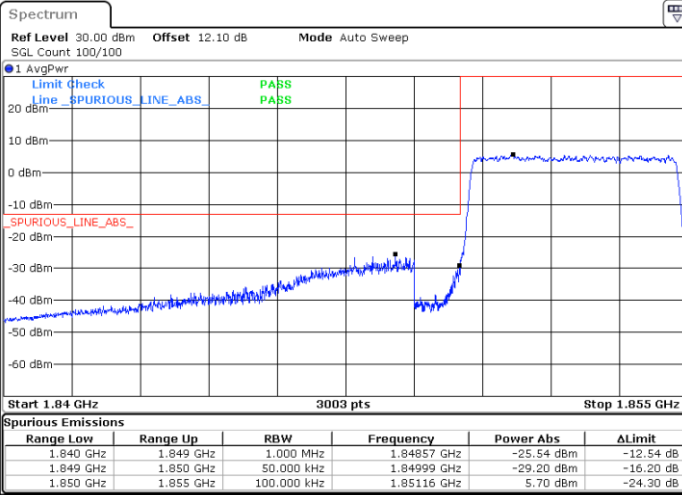


Date: 26.NOV.2024 18:38:45



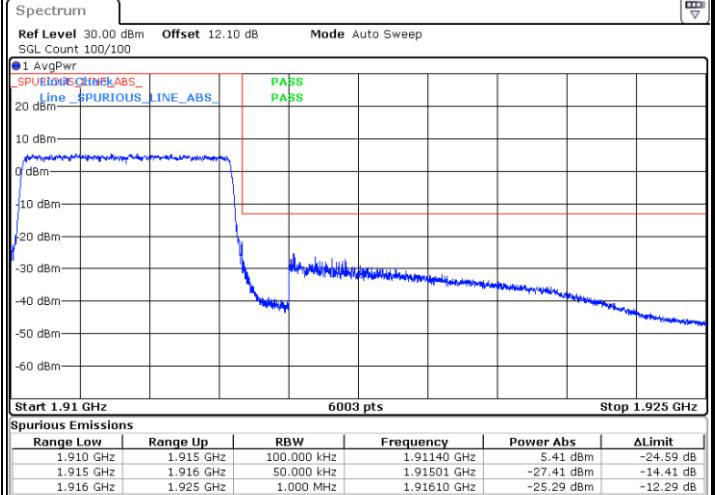
LTE Band 25 / 5MHz / 64QAM

Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:35:13

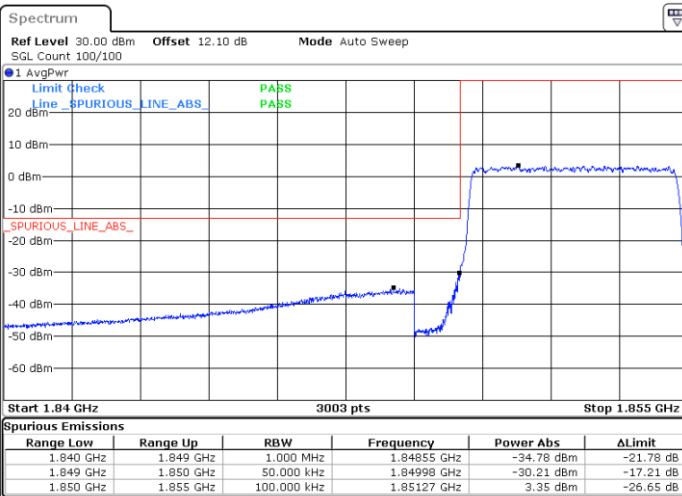
Highest Band Edge / Full RB



Date: 26.NOV.2024 18:39:54

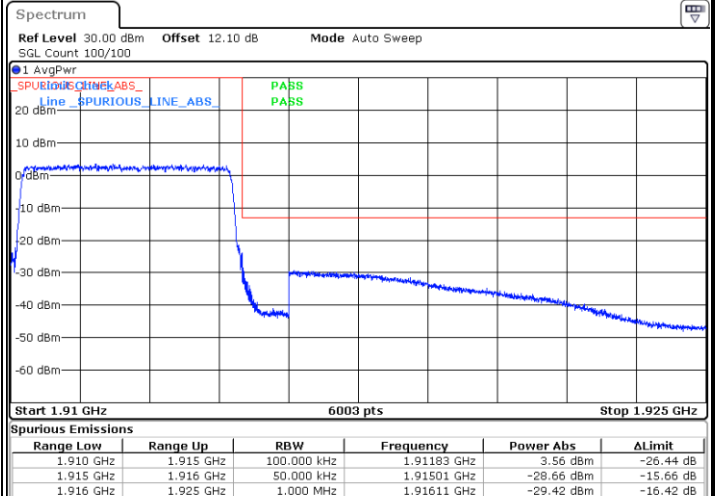
LTE Band 25 / 5MHz / 256QAM

Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:36:23

Highest Band Edge / Full RB

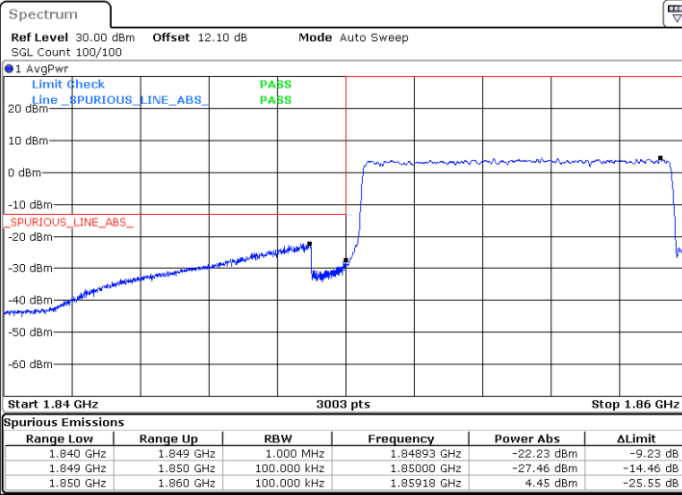


Date: 26.NOV.2024 18:41:04



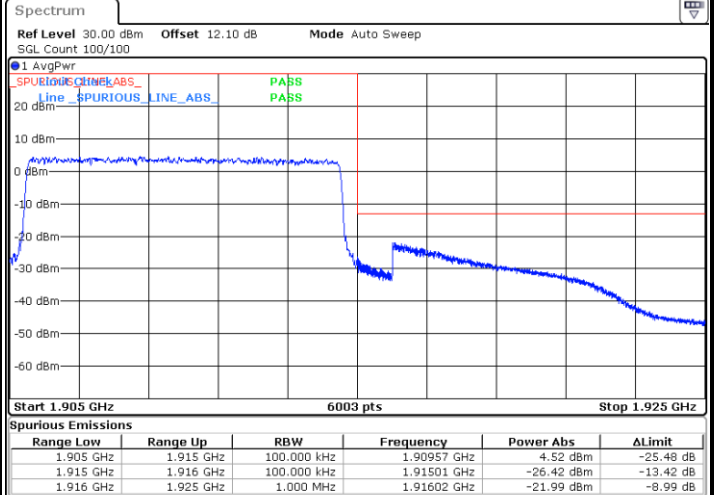
LTE Band 25 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:42:18

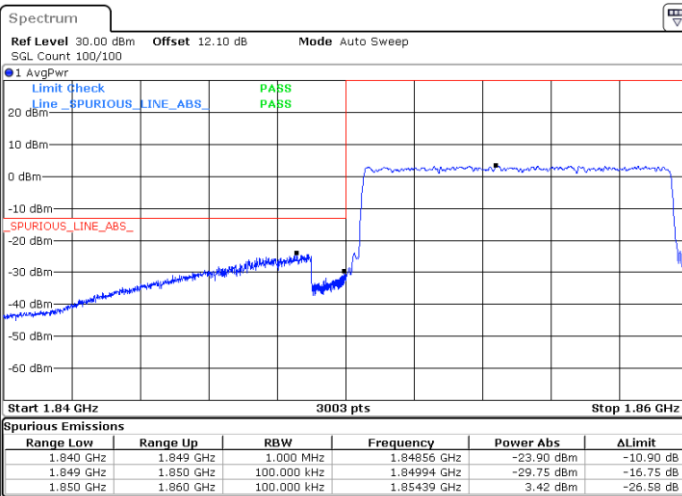
Highest Band Edge / Full RB



Date: 26.NOV.2024 18:46:55

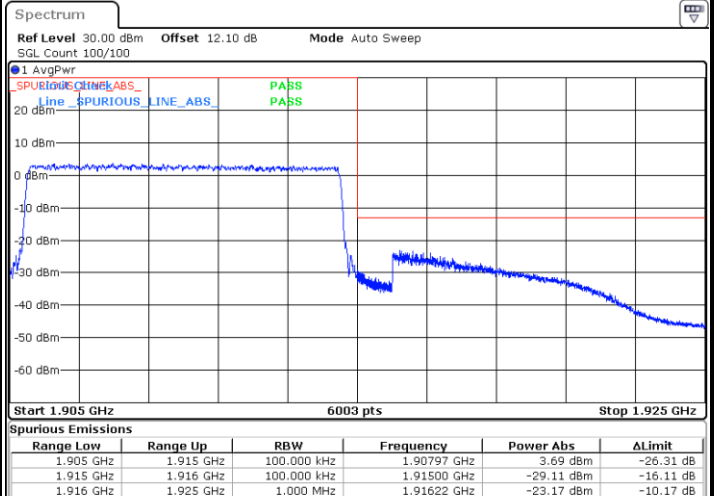
LTE Band 25 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:43:28

Highest Band Edge / Full RB

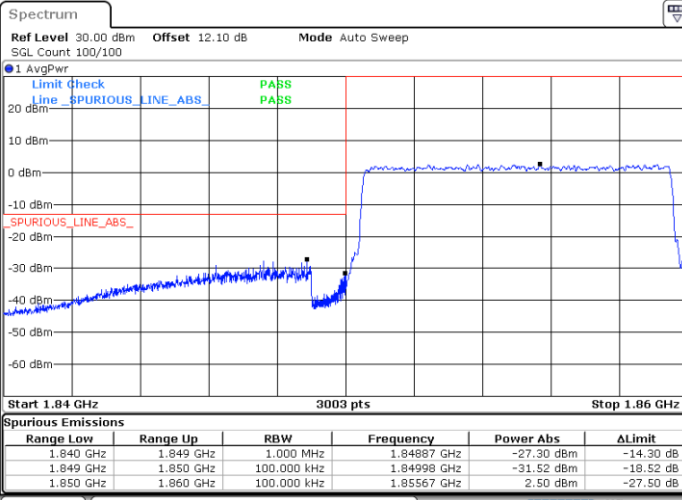


Date: 26.NOV.2024 18:48:04



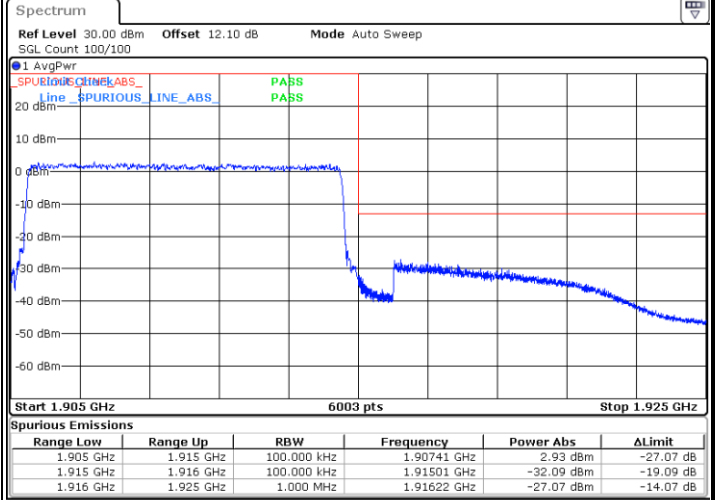
LTE Band 25 / 10MHz / 64QAM

Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:44:36

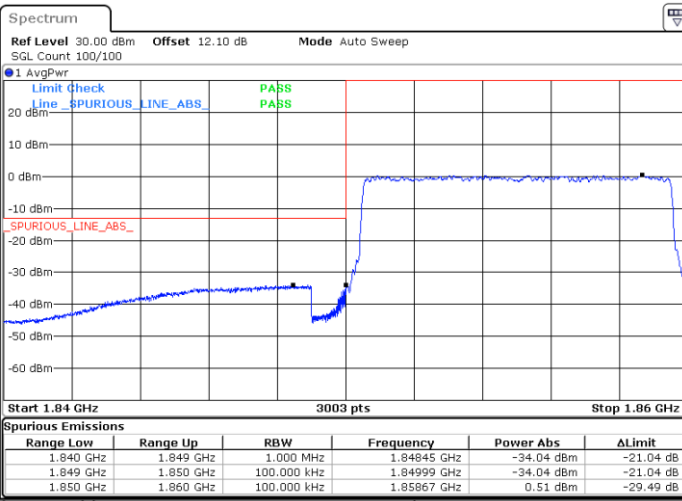
Highest Band Edge / Full RB



Date: 26.NOV.2024 18:49:15

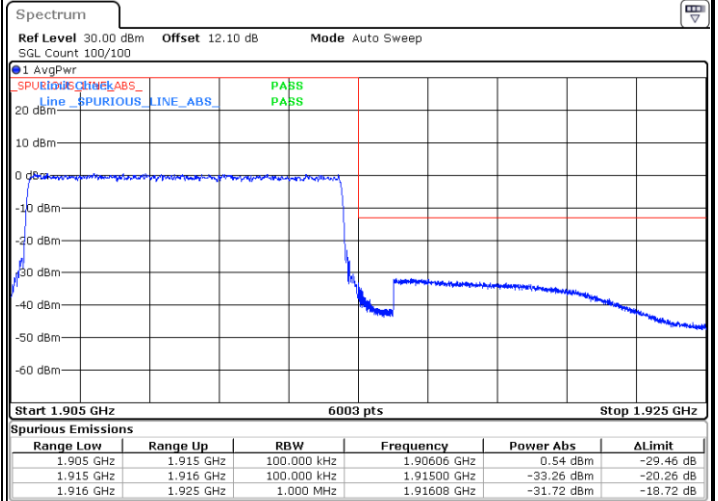
LTE Band 25 / 10MHz / 256QAM

Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:45:44

Highest Band Edge / Full RB

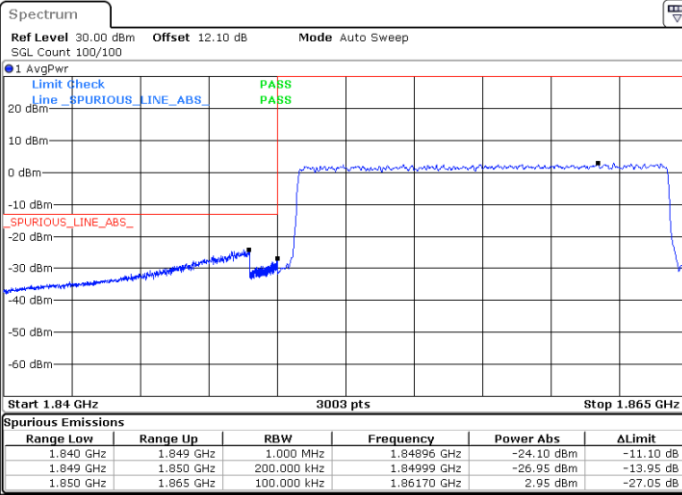


Date: 26.NOV.2024 18:50:26



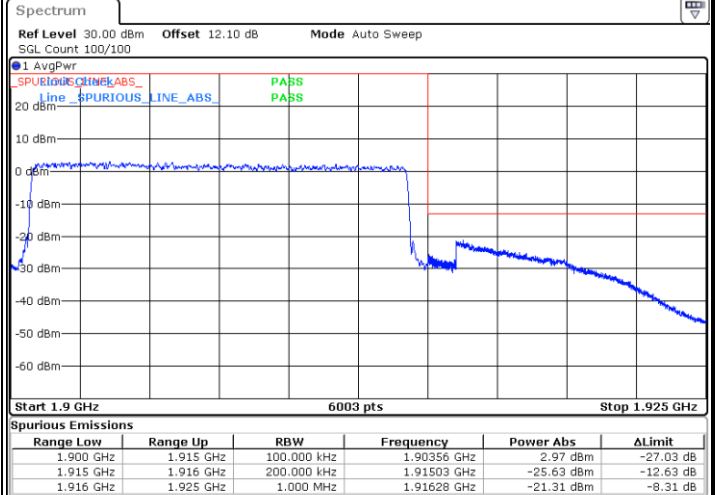
LTE Band 25 / 15MHz / QPSK

Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:56:25

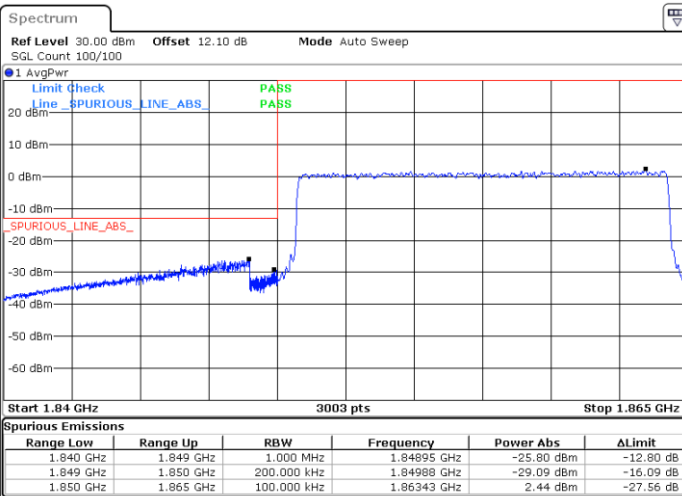
Highest Band Edge / Full RB



Date: 26.NOV.2024 18:51:42

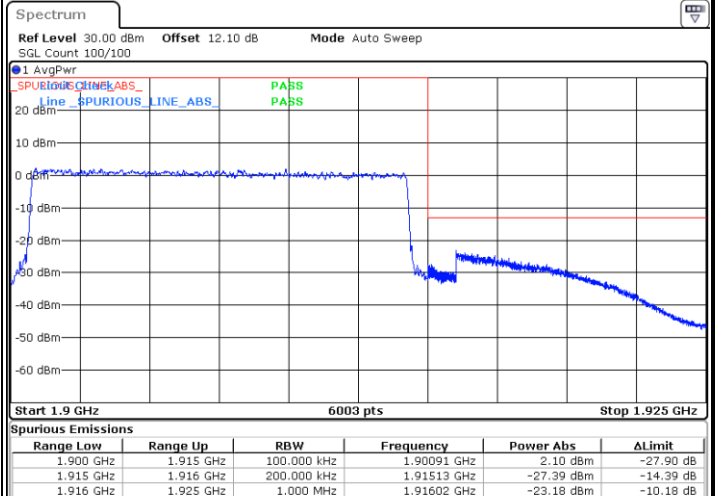
LTE Band 25 / 15MHz / 16QAM

Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:57:34

Highest Band Edge / Full RB

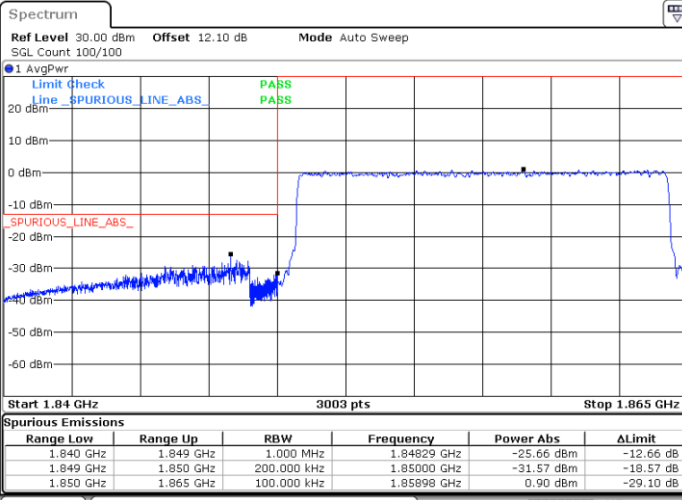


Date: 26.NOV.2024 18:52:53



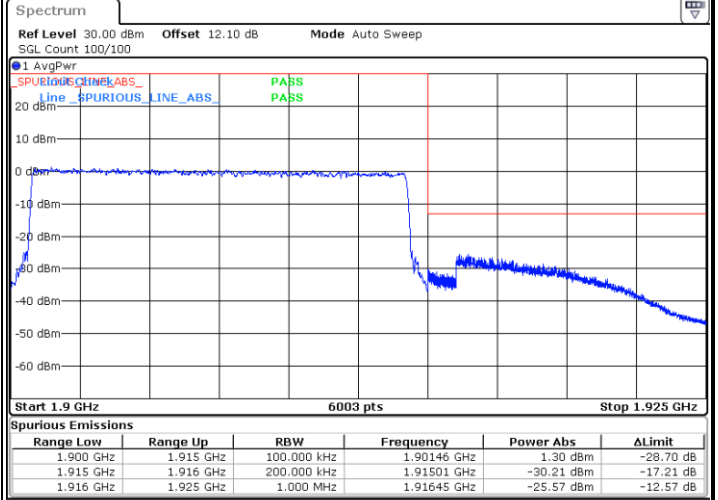
LTE Band 25 / 15MHz / 64QAM

Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:58:45

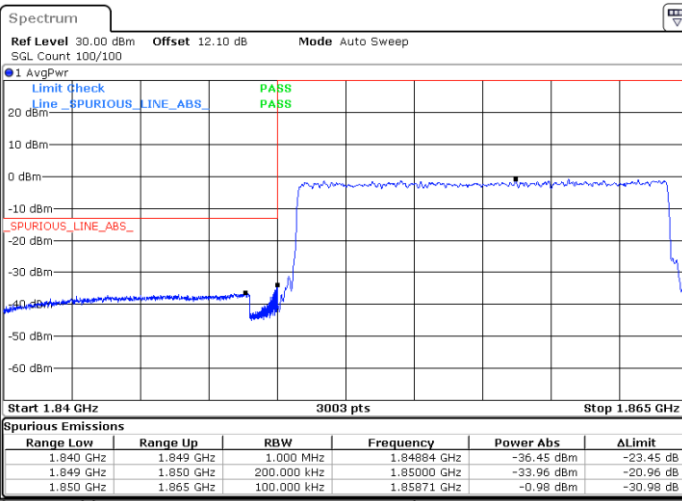
Highest Band Edge / Full RB



Date: 26.NOV.2024 18:54:05

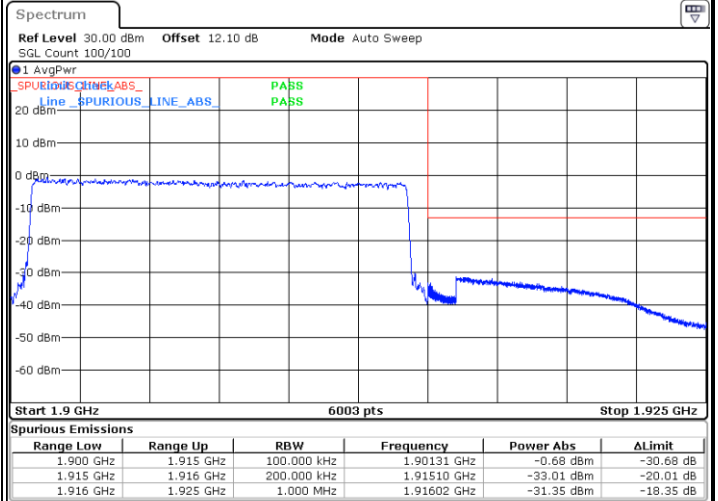
LTE Band 25 / 15MHz / 256QAM

Lowest Band Edge / Full RB



Date: 26.NOV.2024 18:55:13

Highest Band Edge / Full RB

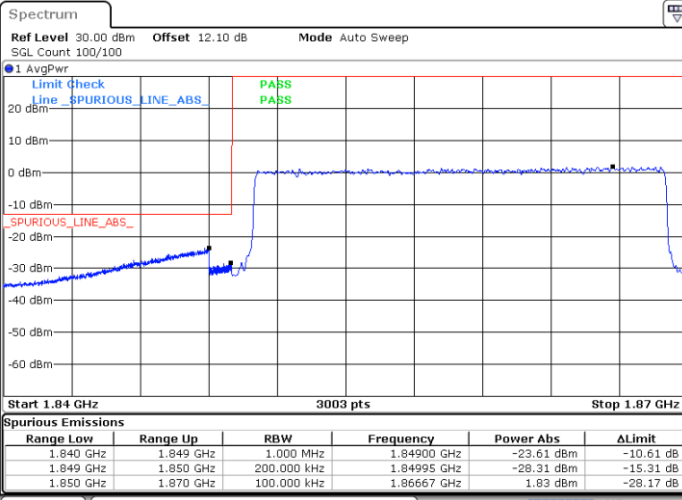


Date: 26.NOV.2024 18:59:52



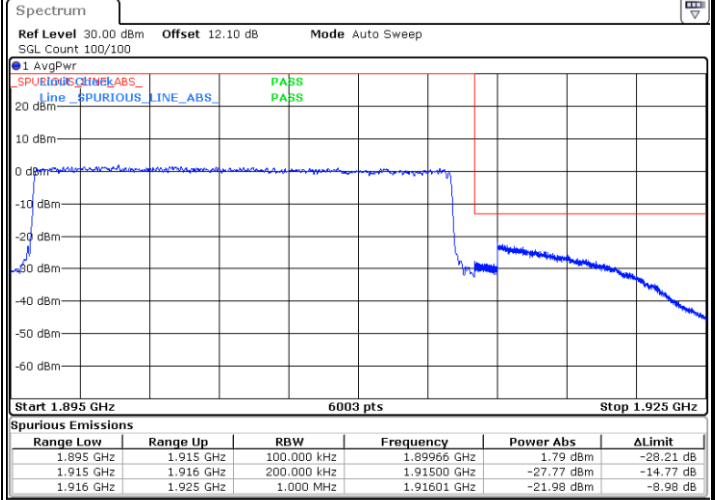
LTE Band 25 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 26.NOV.2024 19:01:06

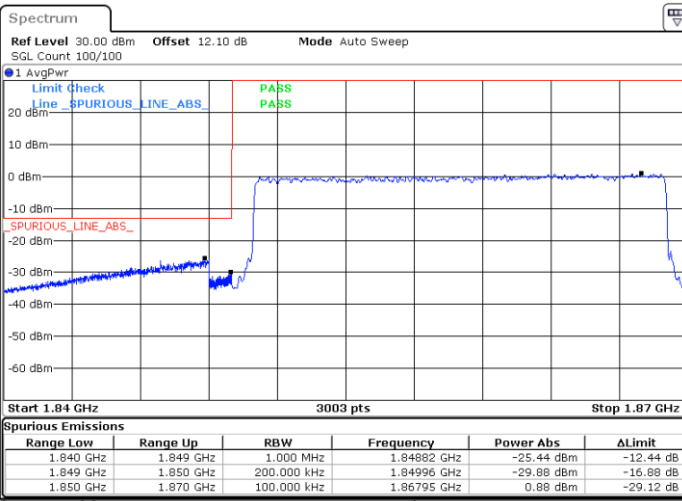
Highest Band Edge / Full RB



Date: 26.NOV.2024 19:05:47

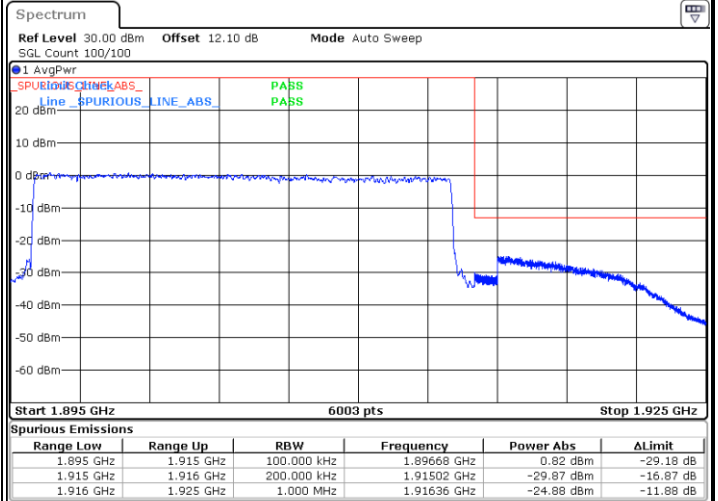
LTE Band 25 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 26.NOV.2024 19:02:15

Highest Band Edge / Full RB

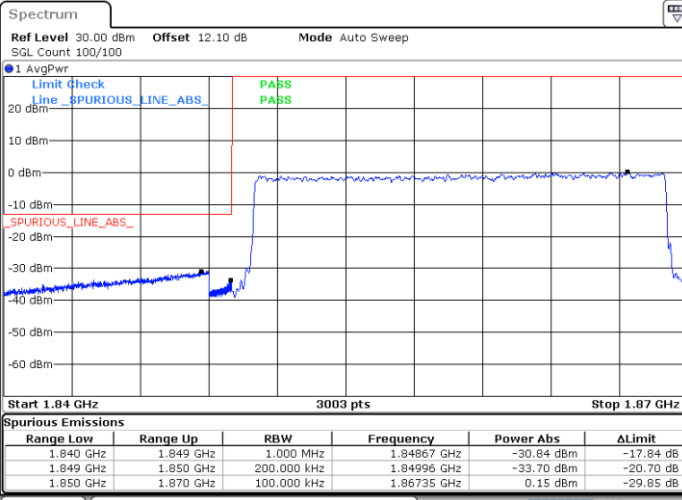


Date: 26.NOV.2024 19:06:59



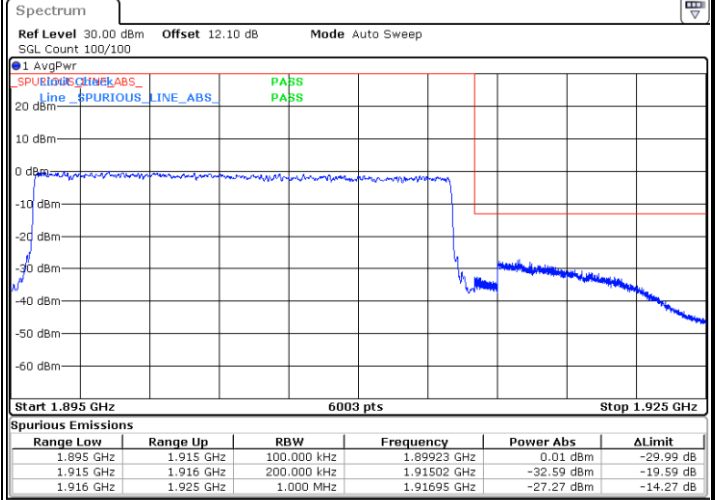
LTE Band 25 / 20MHz / 64QAM

Lowest Band Edge / Full RB



Date: 26.NOV.2024 19:03:24

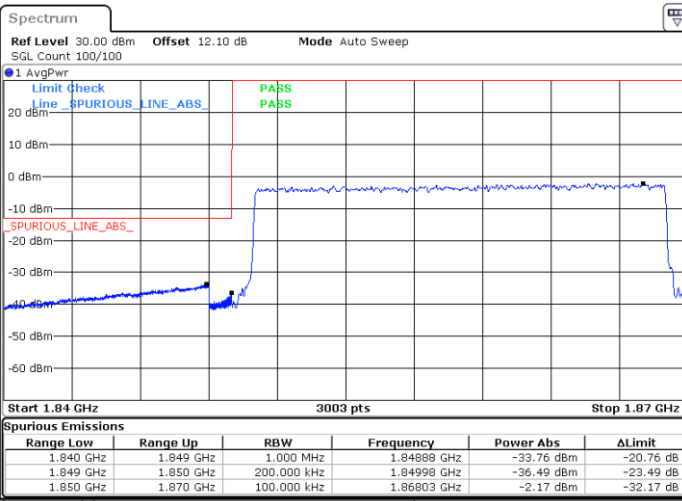
Highest Band Edge / Full RB



Date: 26.NOV.2024 19:08:09

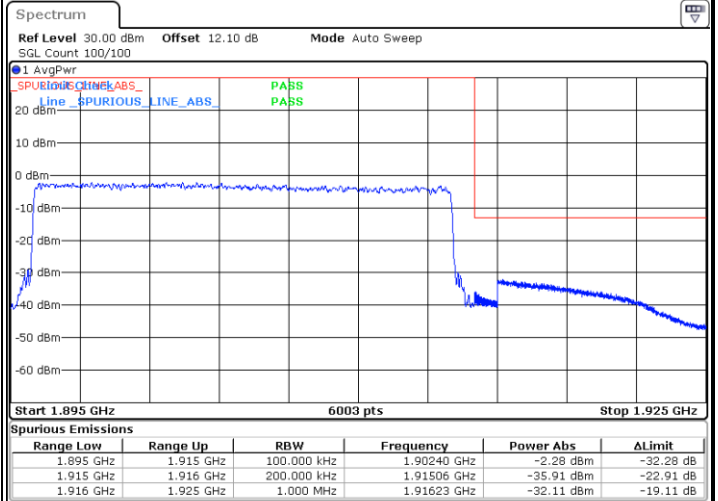
LTE Band 25 / 20MHz / 256QAM

Lowest Band Edge / Full RB



Date: 26.NOV.2024 19:04:34

Highest Band Edge / Full RB



Date: 26.NOV.2024 19:09:17



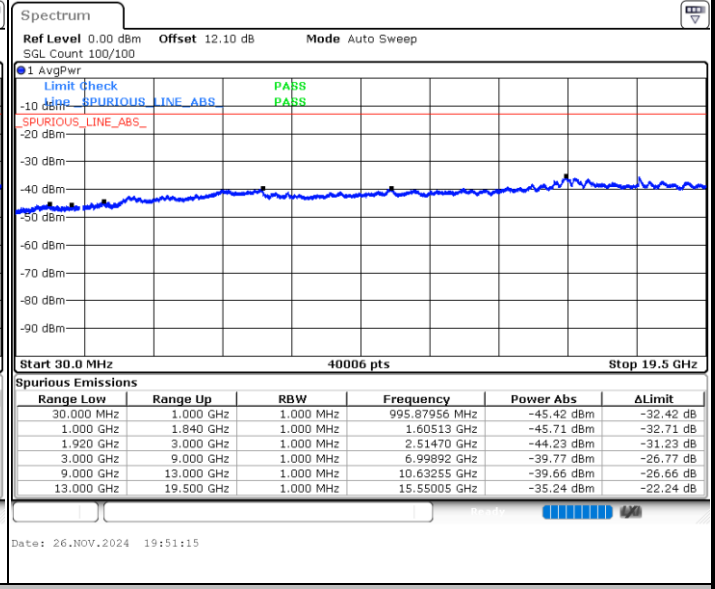
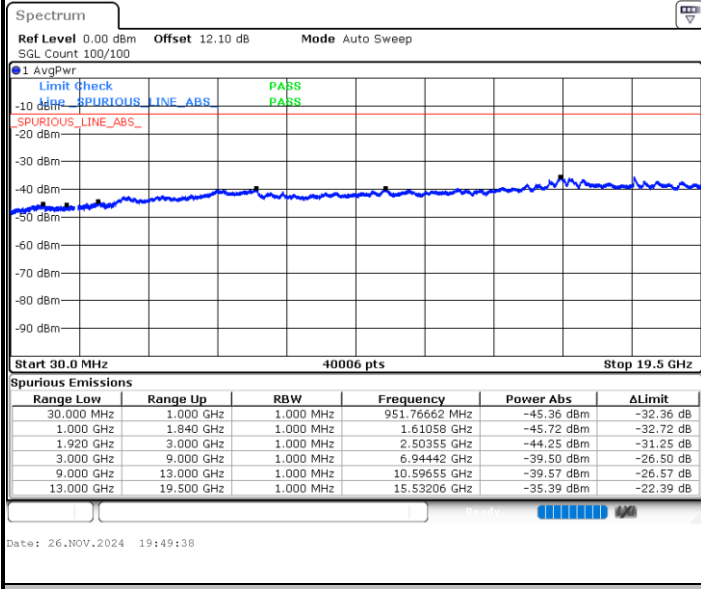


# Conducted Spurious Emission

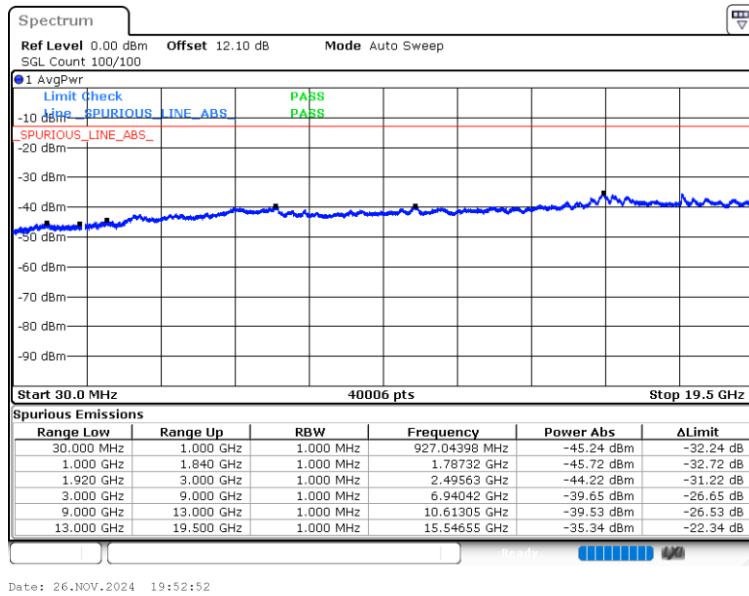
## LTE Band 25 / 1.4MHz

### Lowest Channel / QPSK

### Middle Channel / QPSK



### Highest Channel / QPSK

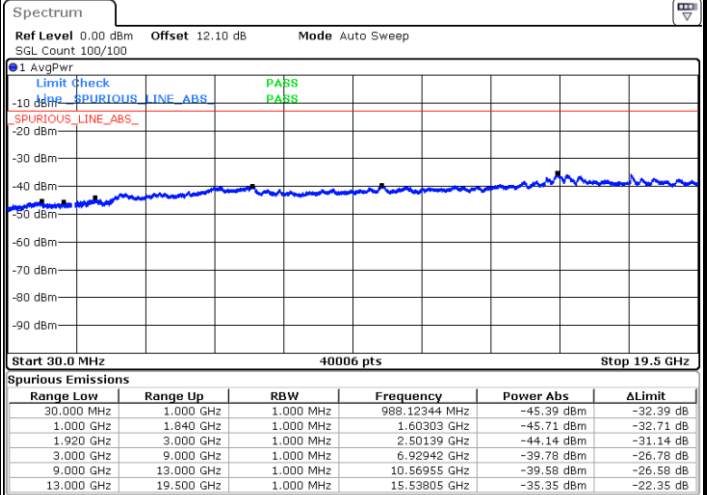
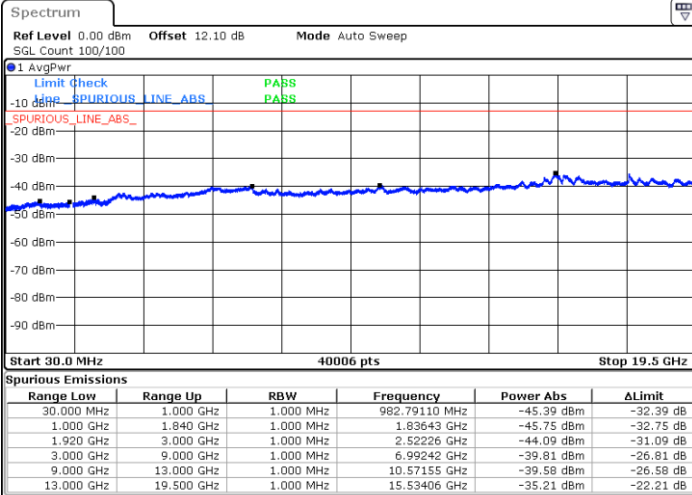




LTE Band 25 / 3MHz

Lowest Channel / QPSK

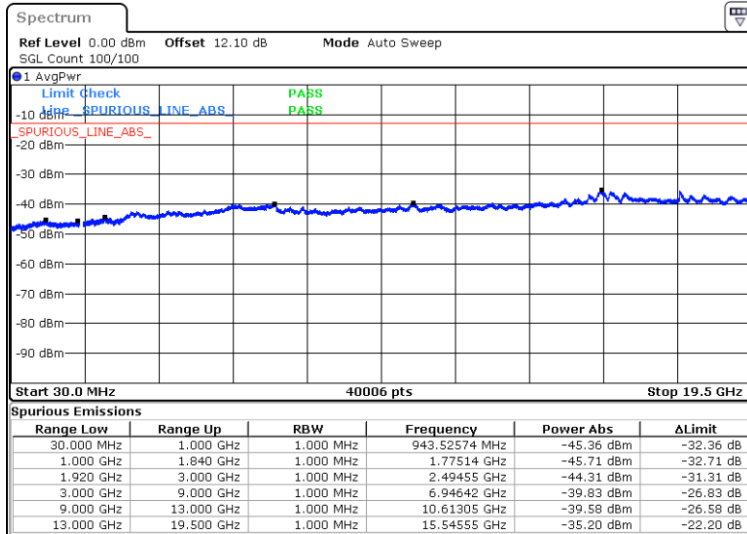
Middle Channel / QPSK



Date: 26.NOV.2024 19:54:32

Date: 26.NOV.2024 19:56:08

Highest Channel / QPSK



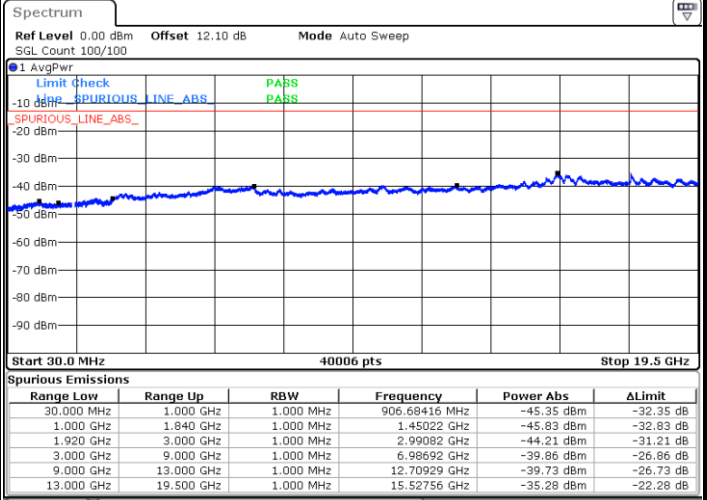
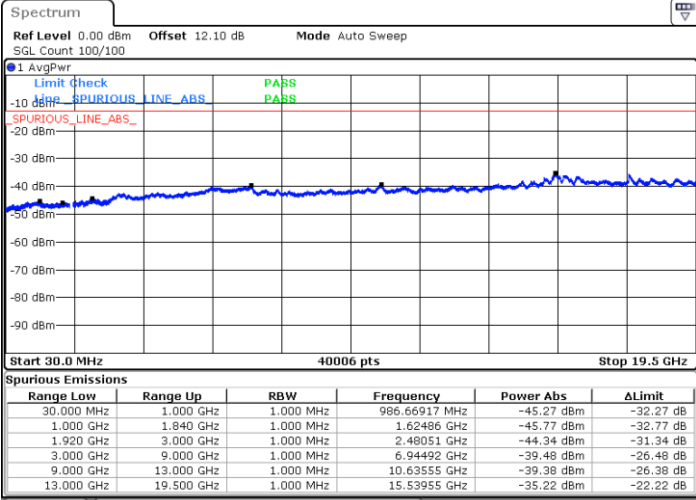
Date: 26.NOV.2024 19:57:44



LTE Band 25 / 5MHz

Lowest Channel / QPSK

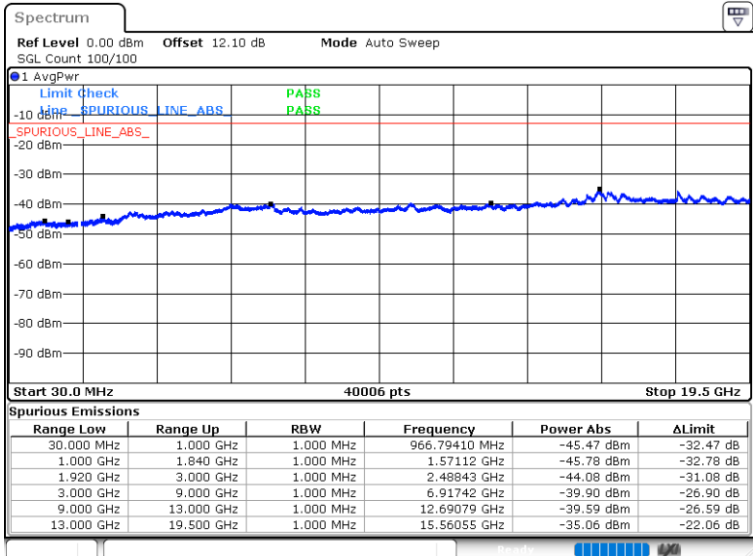
Middle Channel / QPSK



Date: 26.NOV.2024 19:59:26

Date: 26.NOV.2024 20:01:02

Highest Channel / QPSK



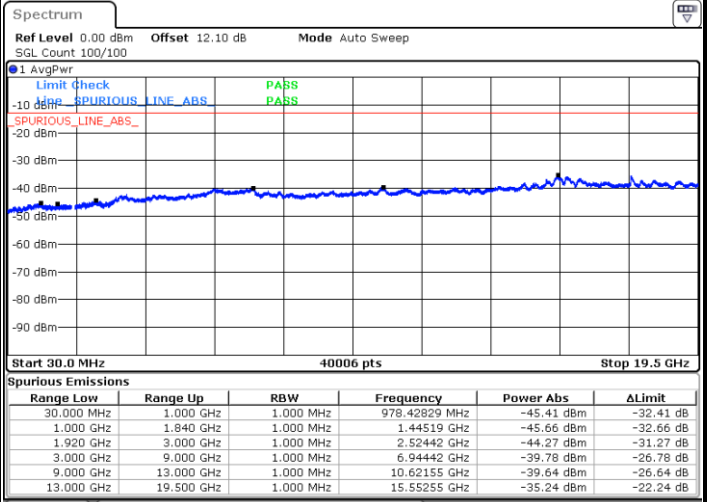
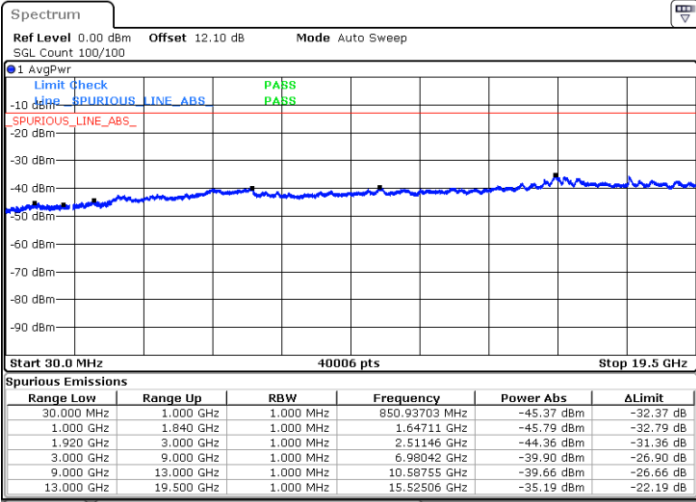
Date: 26.NOV.2024 20:02:44



LTE Band 25 / 10MHz

Lowest Channel / QPSK

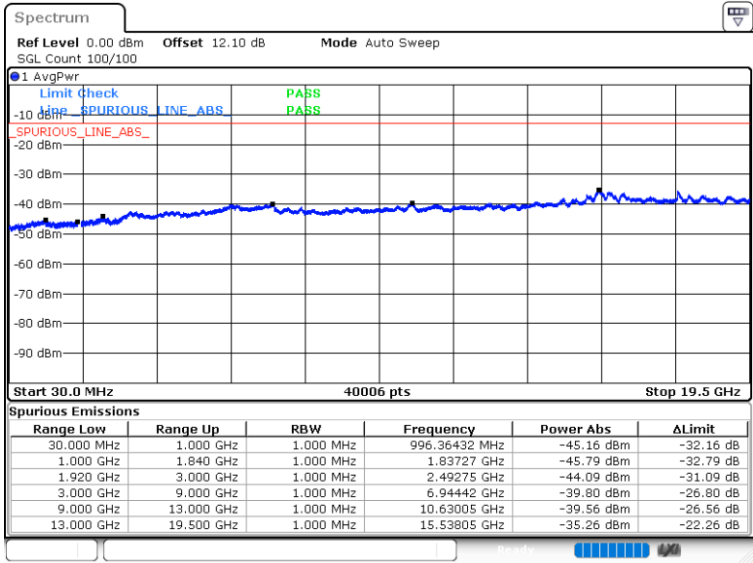
Middle Channel / QPSK



Date: 26.NOV.2024 20:04:24

Date: 26.NOV.2024 20:06:00

Highest Channel / QPSK



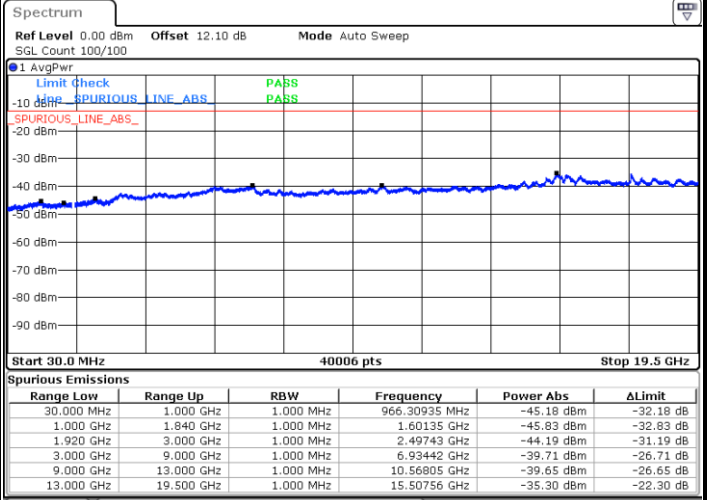
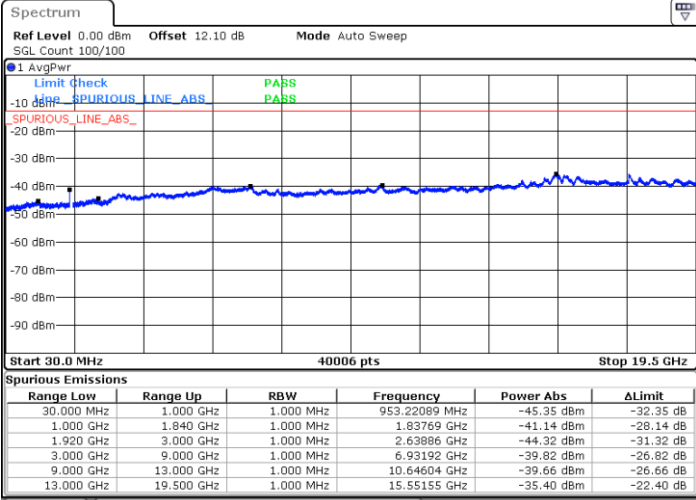
Date: 26.NOV.2024 20:07:35



LTE Band 25 / 15MHz

Lowest Channel / QPSK

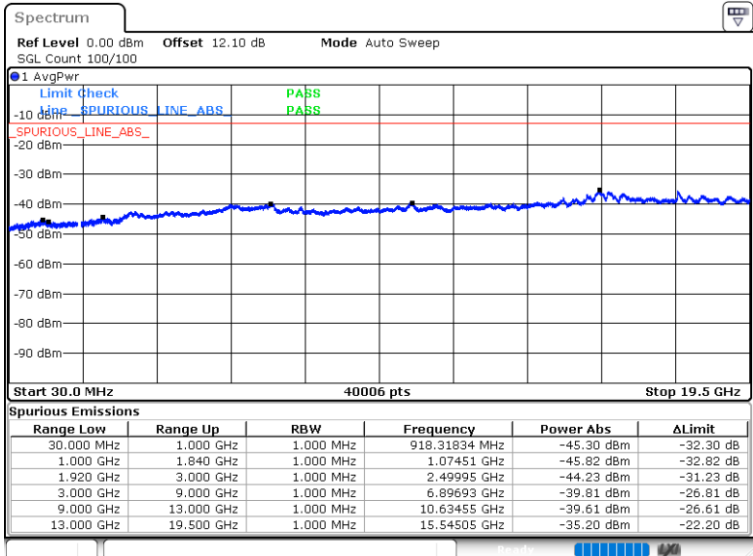
Middle Channel / QPSK



Date: 26.NOV.2024 20:09:16

Date: 26.NOV.2024 20:10:48

Highest Channel / QPSK



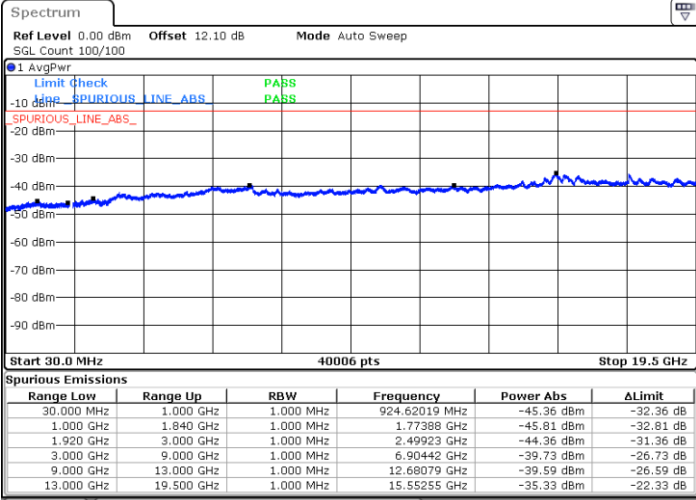
Date: 26.NOV.2024 20:12:22



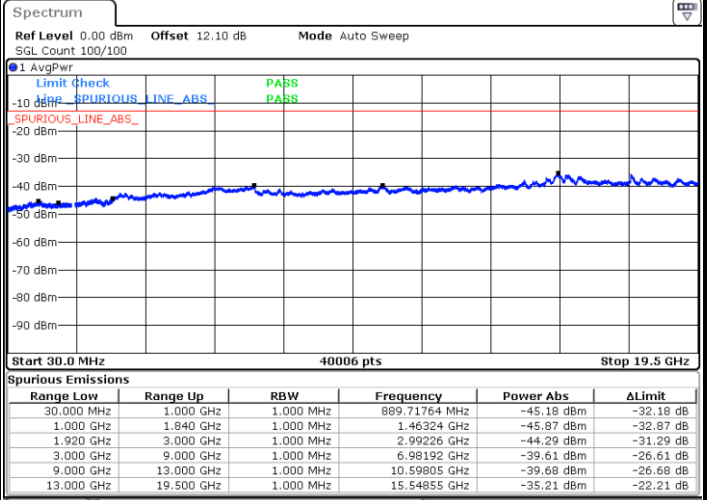
LTE Band 25 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

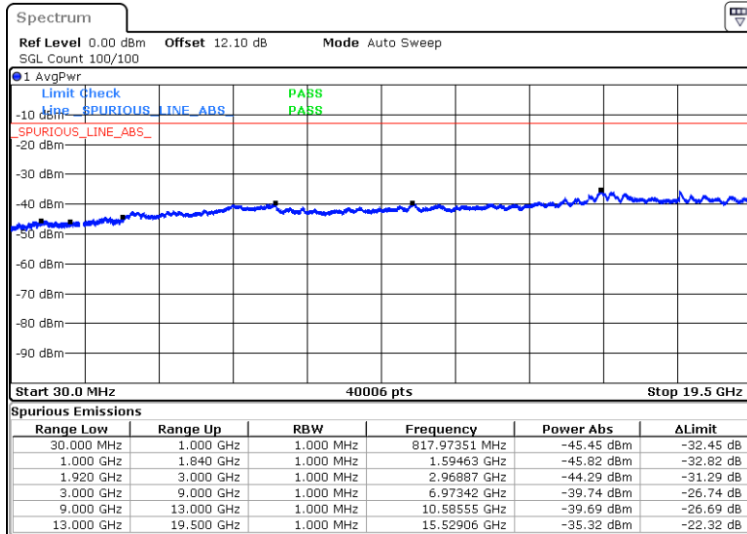


Date: 26.NOV.2024 20:14:04



Date: 26.NOV.2024 20:15:42

Highest Channel / QPSK



Date: 26.NOV.2024 20:17:18



### Frequency Stability

Test Conditions		LTE Band 25 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0013	PASS
40	Normal Voltage	0.0035	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0048	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0065	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0068	

**Note:**

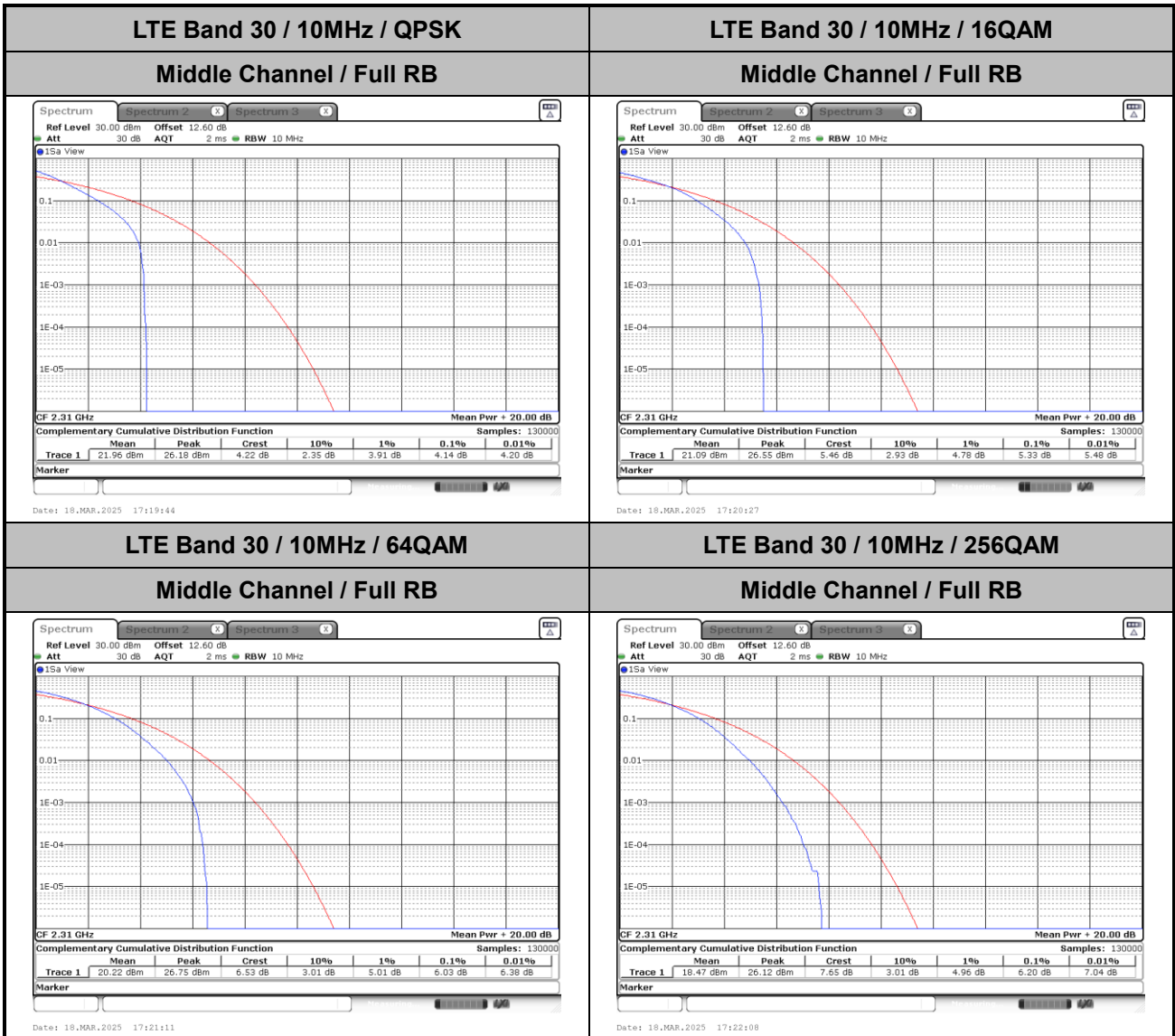
- 1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.14 V. ; Maximum Voltage = 4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 30

## Peak-to-Average Ratio

Mode	LTE Band 30 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.14	5.33	6.03	6.20	PASS







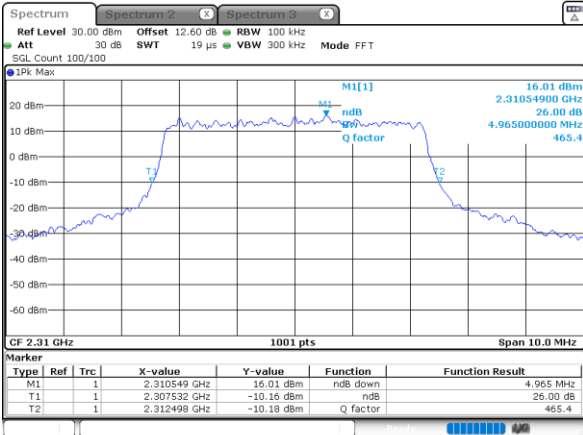
**26dB Bandwidth**

Mode	LTE Band 30 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.97	4.89	10.07	10.03	-	-	-	-
Mode	LTE Band 30 : 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	-	-	-	-	4.95	4.97	10.07	10.03	-	-	-	-



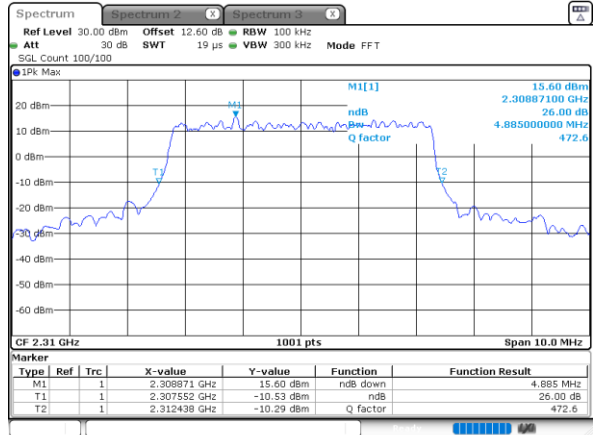
LTE Band 30

Middle Channel / 5MHz / QPSK



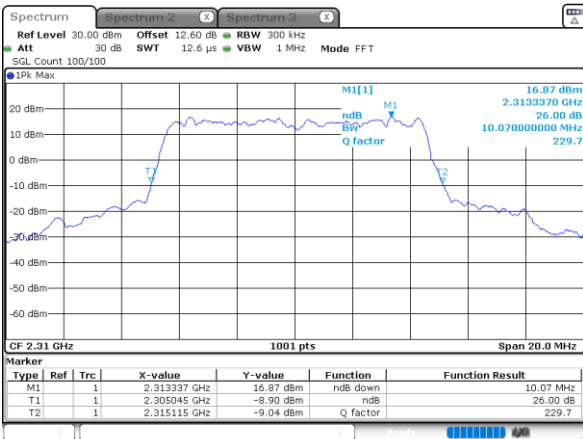
Date: 20\_MAR\_2025 08:28:58

Middle Channel / 5MHz / 16QAM



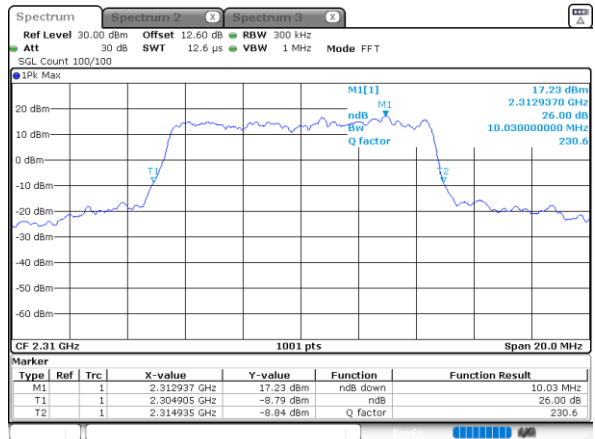
Date: 20\_MAR\_2025 08:13:14

Middle Channel / 10MHz / QPSK



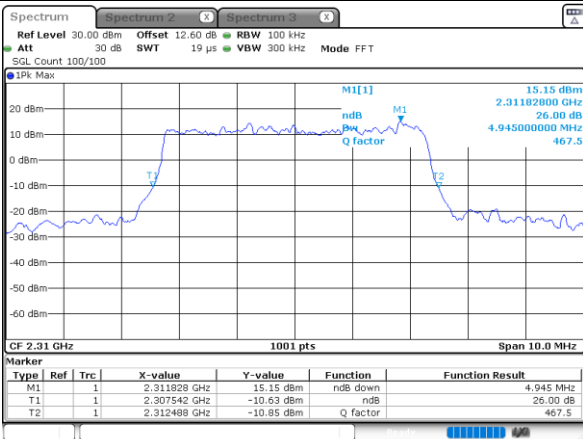
Date: 20\_MAR\_2025 09:58:44

Middle Channel / 10MHz / 16QAM



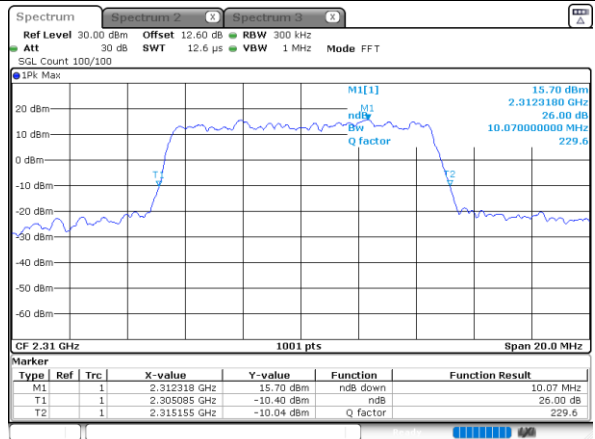
Date: 19\_MAR\_2025 17:11:41

Middle Channel / 5MHz / 64QAM



Date: 18\_MAR\_2025 17:15:32

Middle Channel / 10MHz / 64QAM



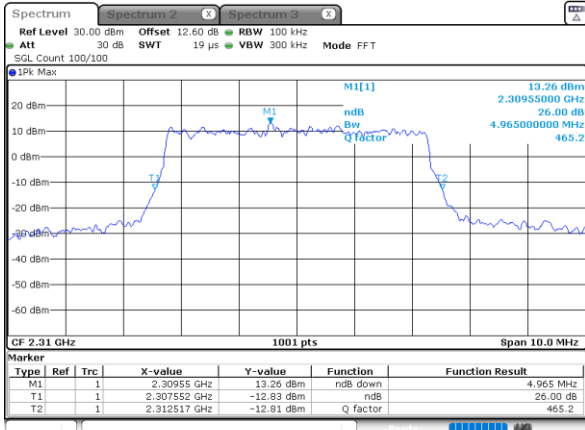
Date: 18\_MAR\_2025 17:18:23



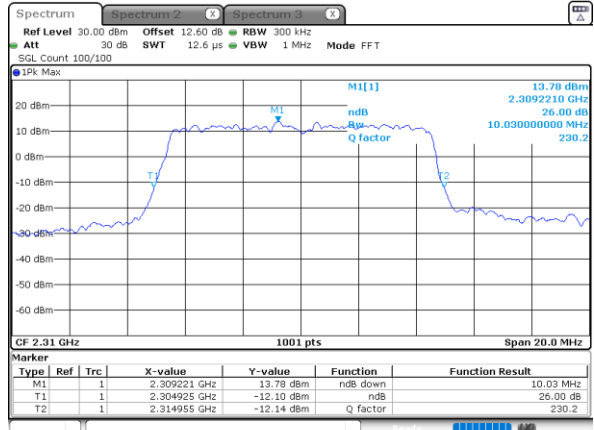
LTE Band 30

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 18.MAR.2025 17:16:12



Date: 18.MAR.2025 17:19:02



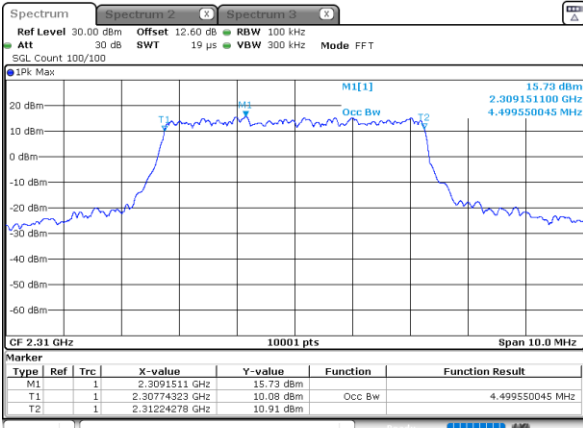
**Occupied Bandwidth**

Mode	LTE Band 30 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.50	4.50	9.02	9.11	-	-	-	-
Mode	LTE Band 30 : 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	-	-	-	-	4.50	4.50	9.13	9.02	-	-	-	-



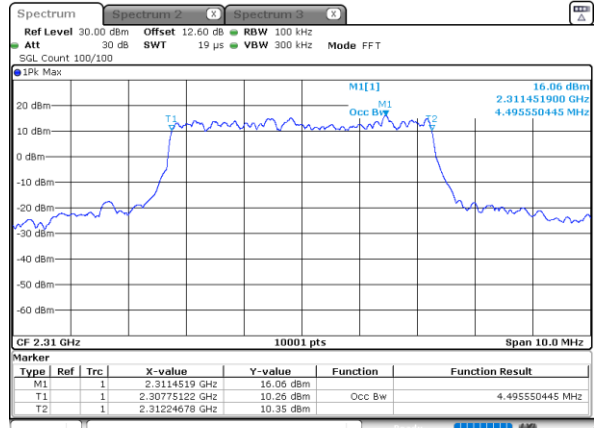
LTE Band 30

Middle Channel / 5MHz / QPSK



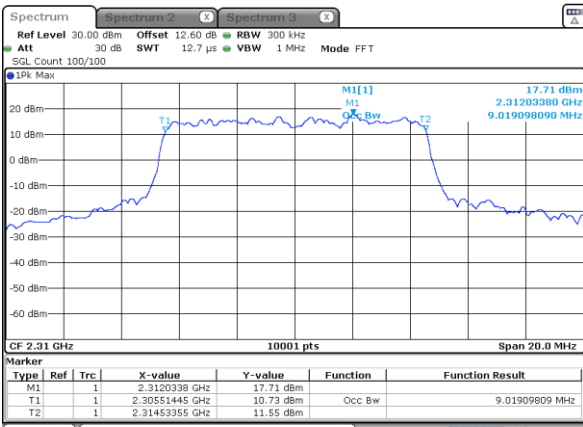
Date: 18.MAR.2025 17:08:20

Middle Channel / 5MHz / 16QAM



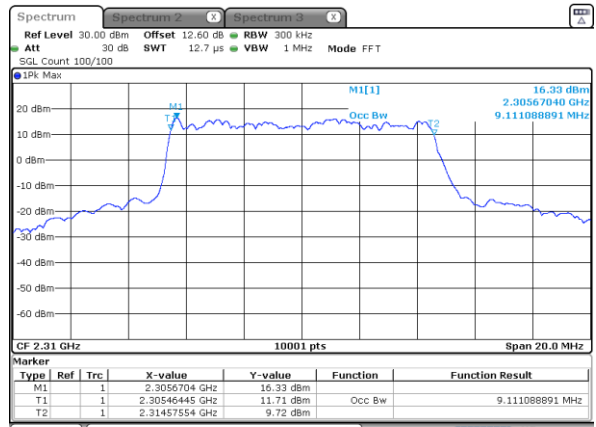
Date: 18.MAR.2025 17:09:00

Middle Channel / 10MHz / QPSK



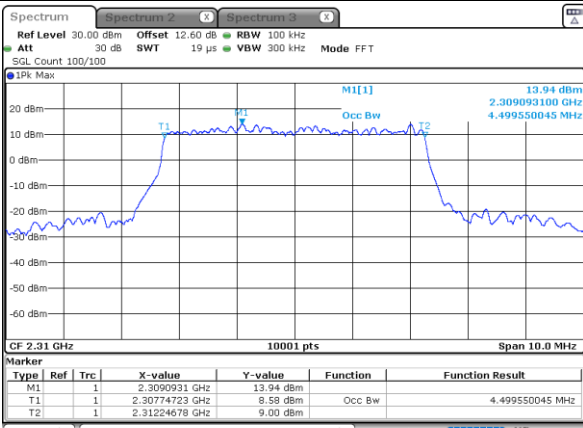
Date: 18.MAR.2025 17:11:16

Middle Channel / 10MHz / 16QAM



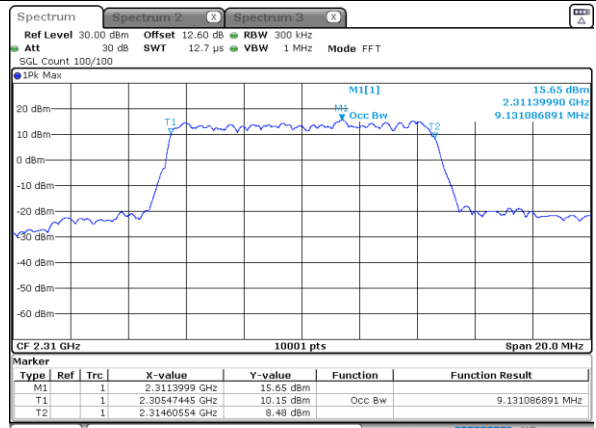
Date: 18.MAR.2025 17:11:56

Middle Channel / 5MHz / 64QAM



Date: 18.MAR.2025 17:09:47

Middle Channel / 10MHz / 64QAM



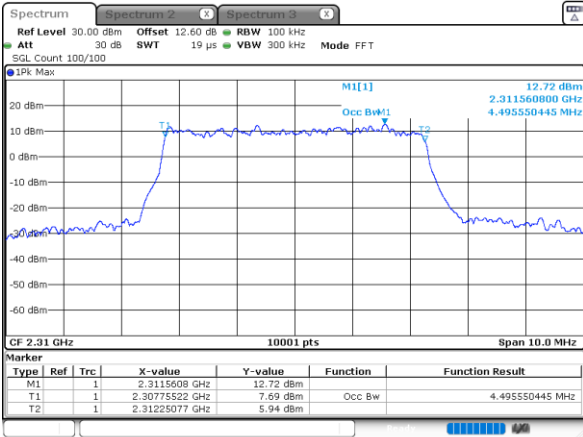
Date: 18.MAR.2025 17:12:39



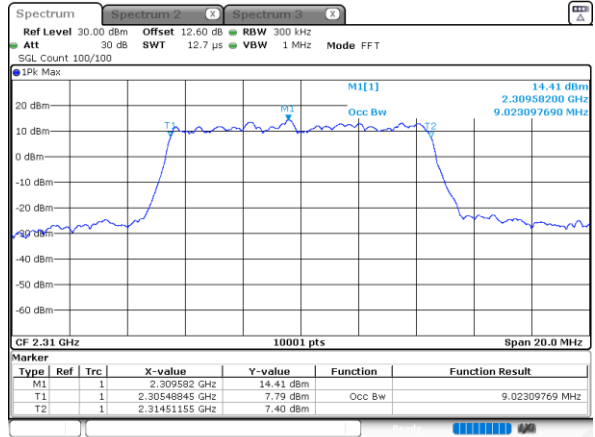
LTE Band 30

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 18\_MAR\_2025 17:10:29



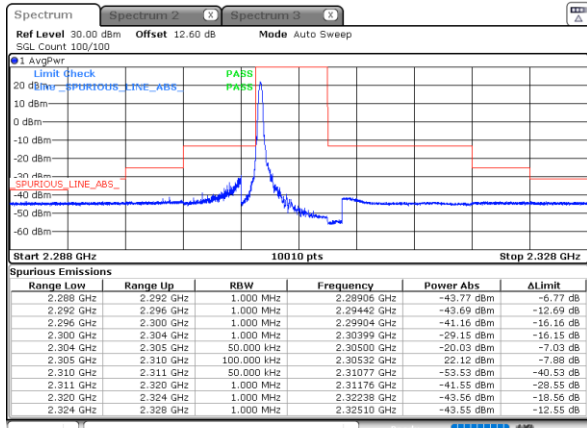
Date: 18\_MAR\_2025 17:13:21



# Conducted Band Edge

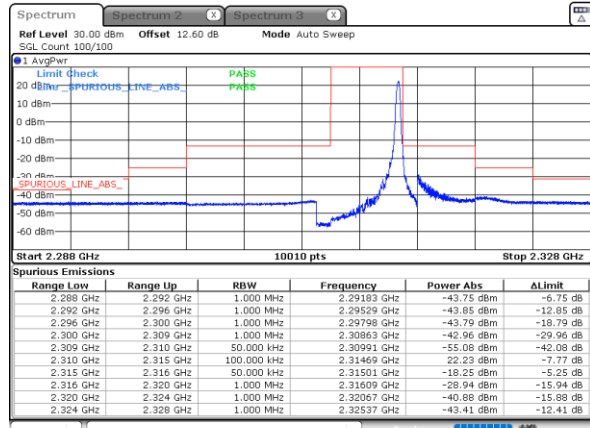
## LTE Band 30 / 5MHz / QPSK

### Lowest Band Edge / 1 RB



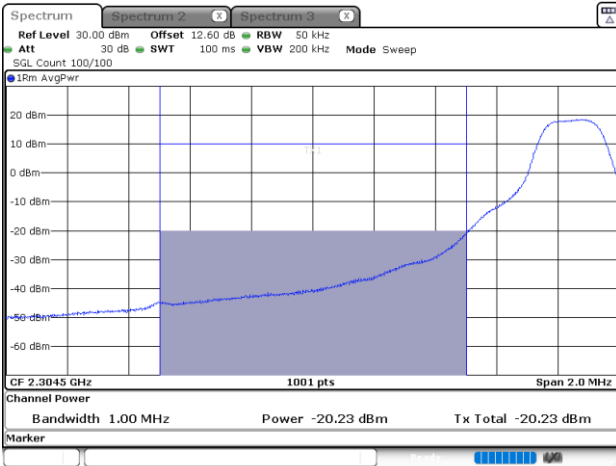
Date: 18\_MAR\_2025 16:20:45

### Highest Band Edge / 1 RB



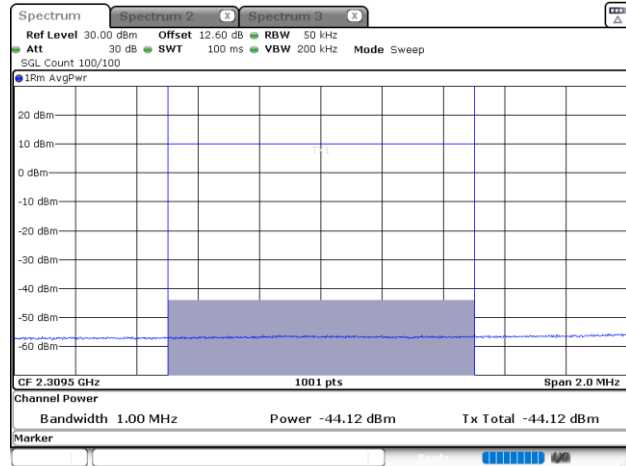
Date: 18\_MAR\_2025 16:40:53

### Lowest Band Edge / 1 RB / Lower zoom in



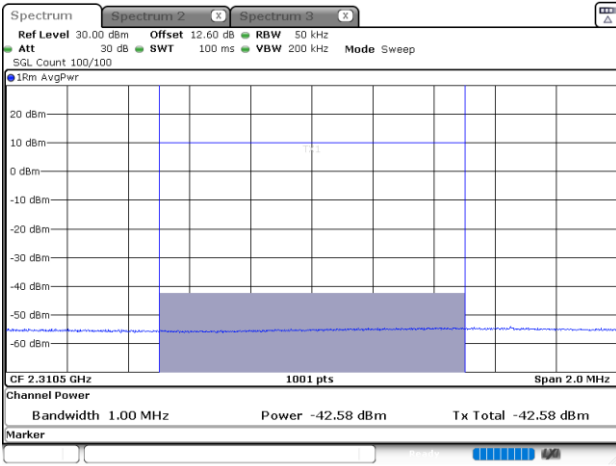
Date: 20\_MAR\_2025 08:43:02

### Highest Band Edge / 1 RB / Lower zoom in



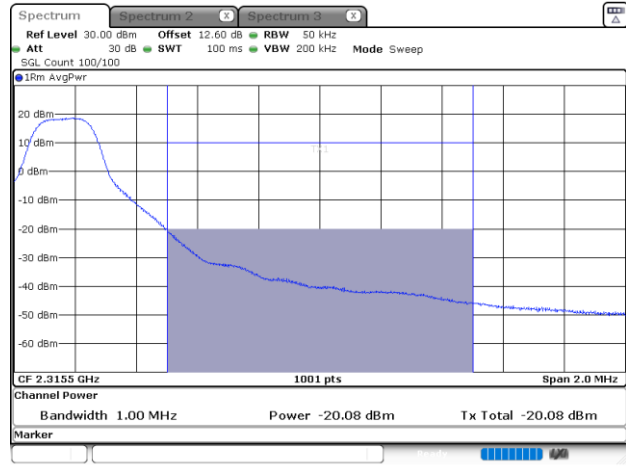
Date: 20\_MAR\_2025 08:32:07

### Lowest Band Edge / 1 RB / Upper zoom in



Date: 20\_MAR\_2025 09:47:39

### Highest Band Edge / 1 RB / Upper zoom in



Date: 20\_MAR\_2025 09:36:38