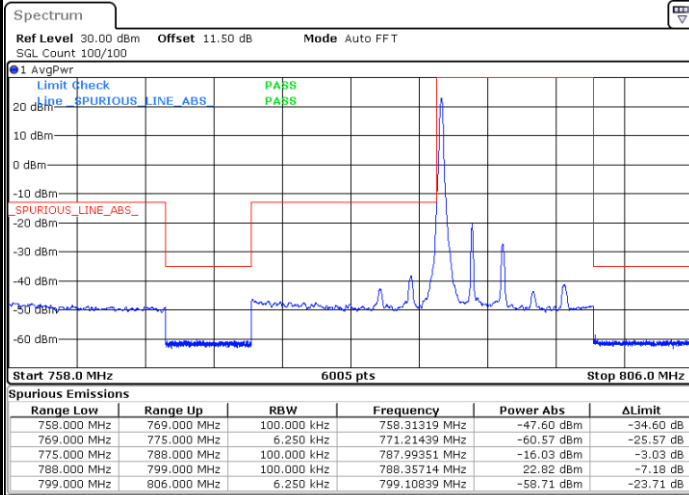




Conducted Band Edge

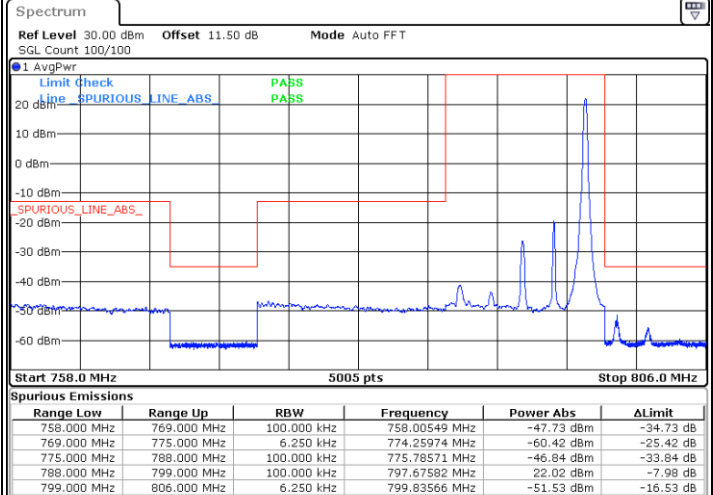
LTE Band 14 / 5MHz / QPSK

Lowest Band Edge / 1 RB



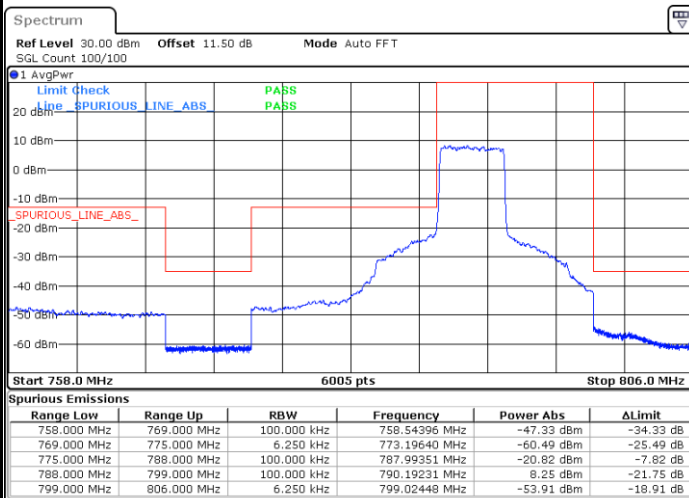
Date: 31.JAN.2024 01:19:53

Highest Band Edge / 1 RB



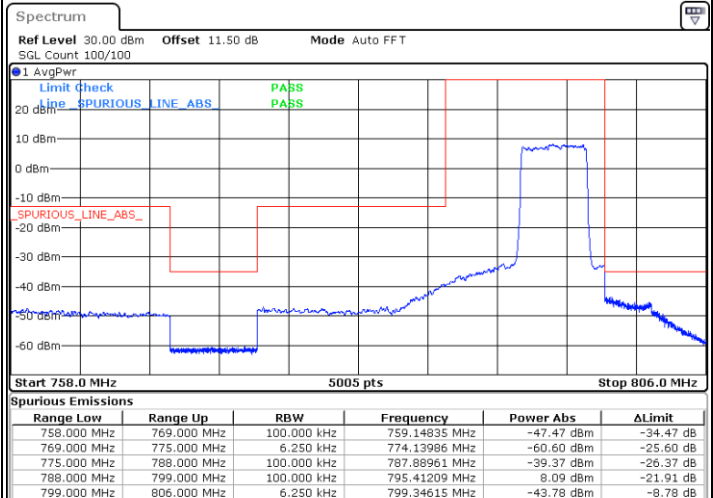
Date: 31.JAN.2024 01:27:17

Lowest Band Edge / Full RB



Date: 31.JAN.2024 01:17:15

Highest Band Edge / Full RB

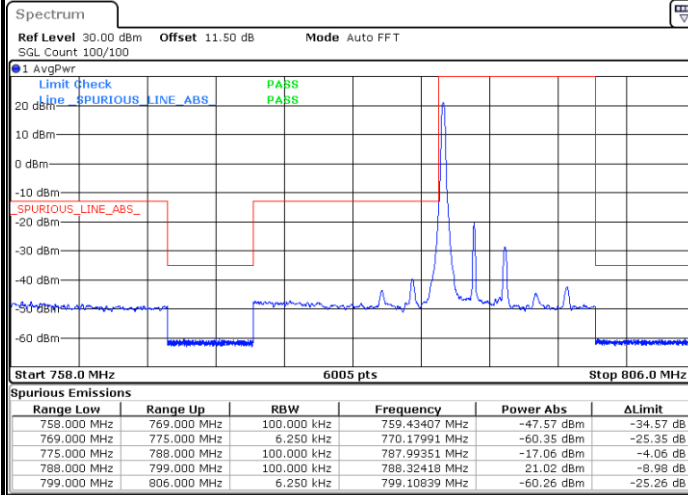


Date: 31.JAN.2024 01:24:39



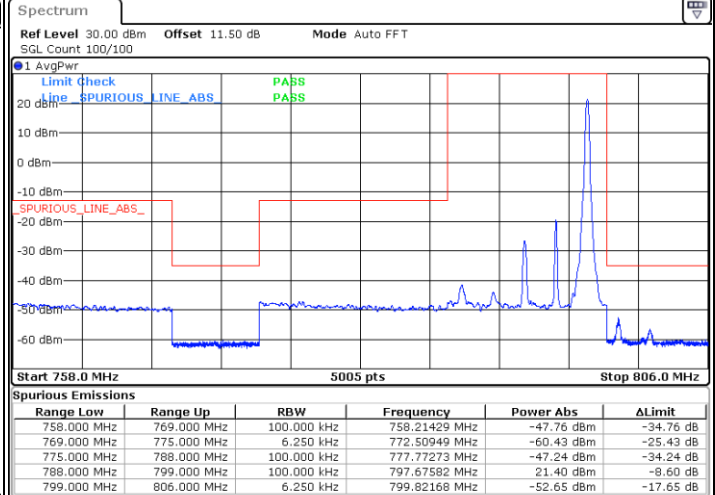
LTE Band 14 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



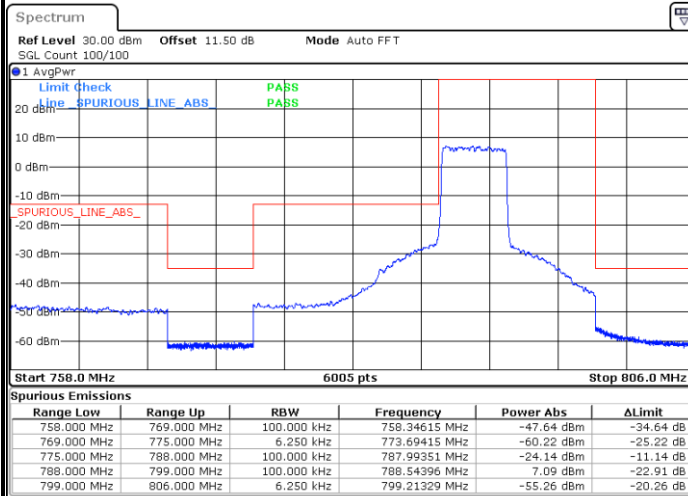
Date: 31.JAN.2024 01:19:00

Highest Band Edge / 1 RB



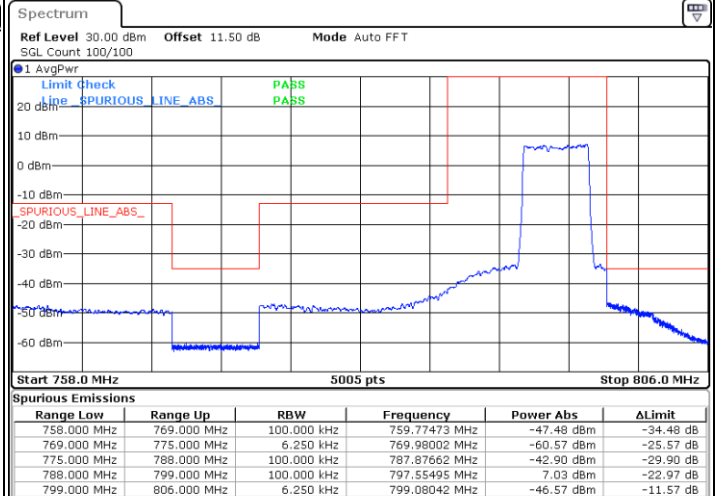
Date: 31.JAN.2024 01:26:25

Lowest Band Edge / Full RB



Date: 31.JAN.2024 01:18:08

Highest Band Edge / Full RB

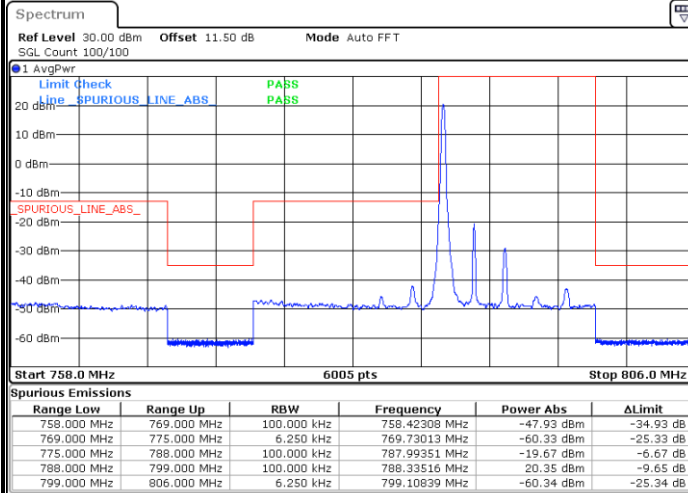


Date: 31.JAN.2024 01:25:32

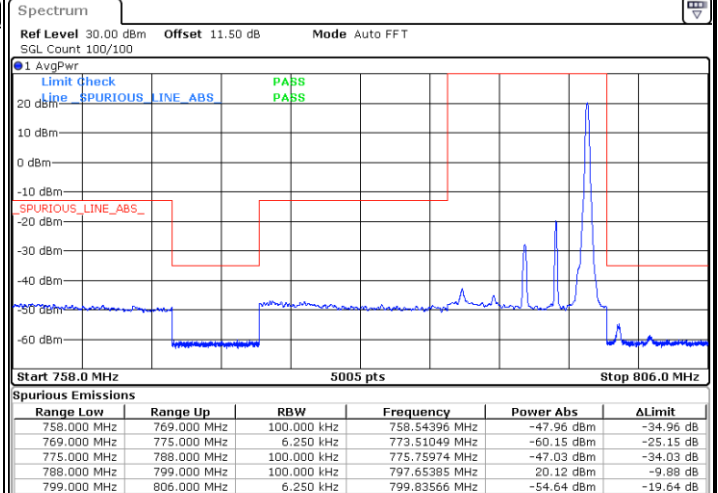


LTE Band 14 / 5MHz / 64QAM

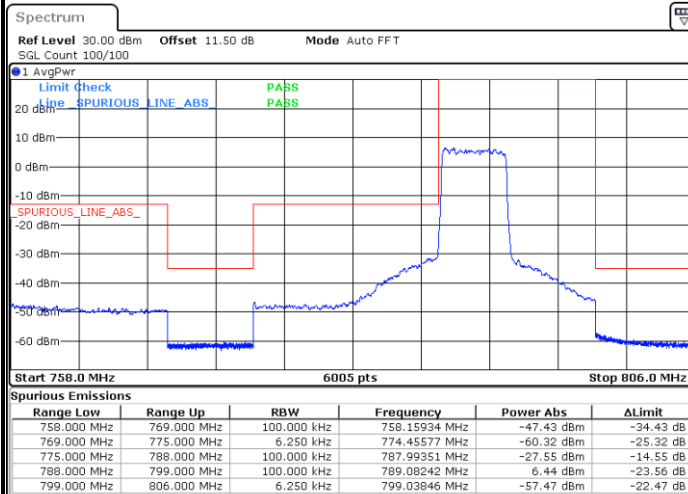
Lowest Band Edge / 1 RB



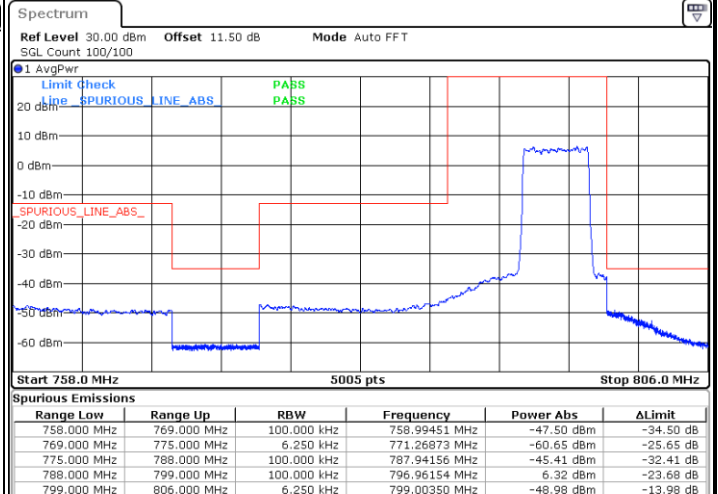
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



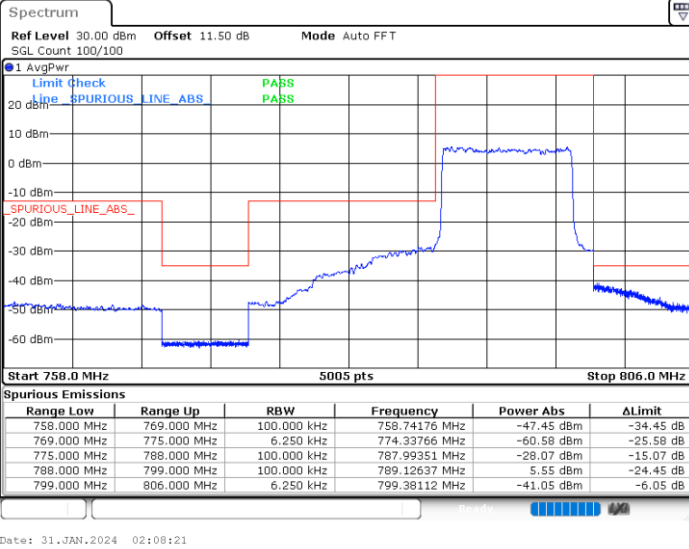
Highest Band Edge / Full RB





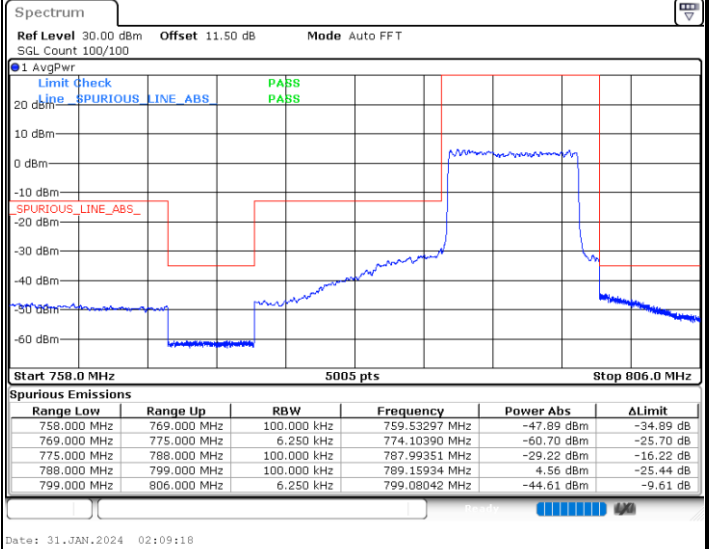
LTE Band 14 / 10MHz / QPSK

Band Edge / Full RB



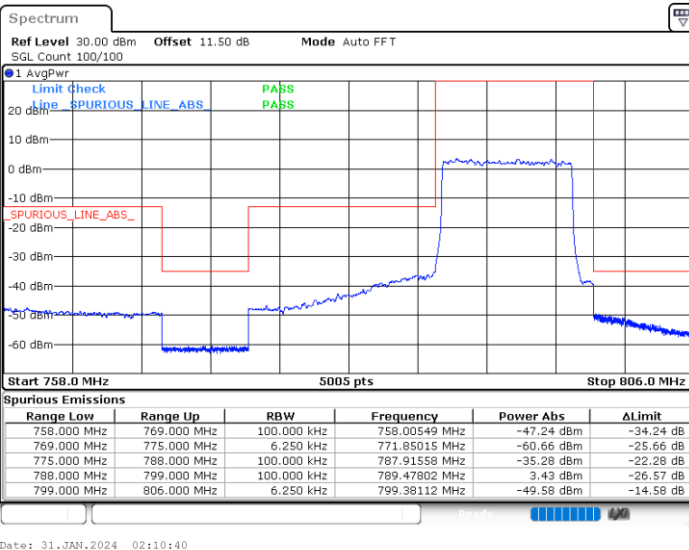
LTE Band 14 / 10MHz / 16QAM

Band Edge / Full RB



LTE Band 14 / 10MHz / 64QAM

Band Edge / Full RB



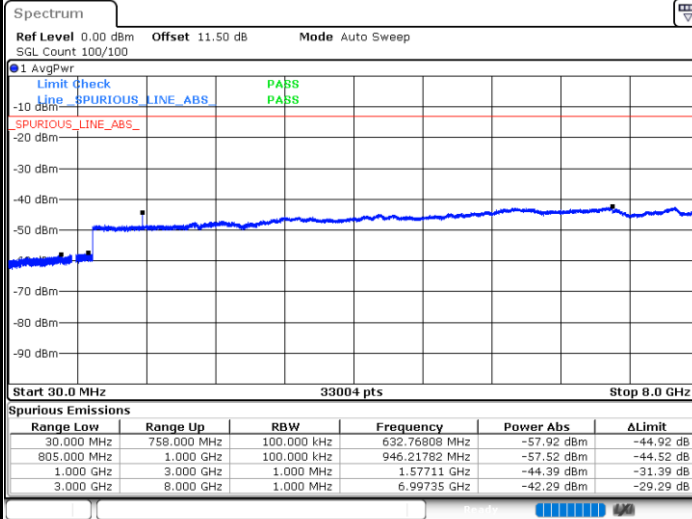
N/A



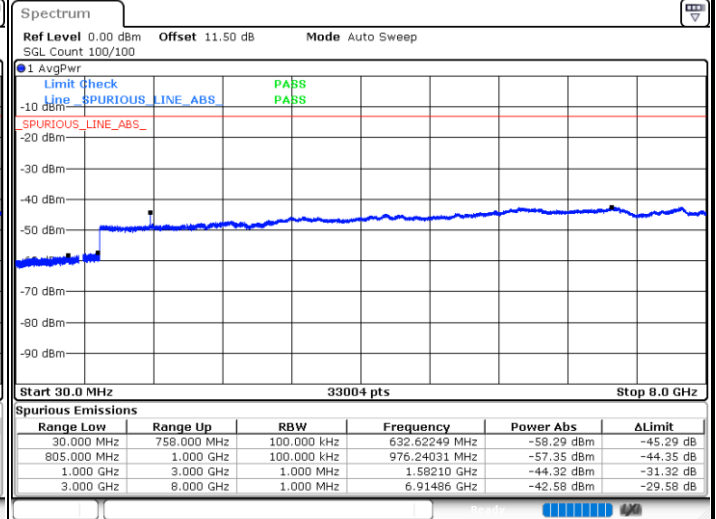
Conducted Spurious Emission

LTE Band 14 / 5MHz

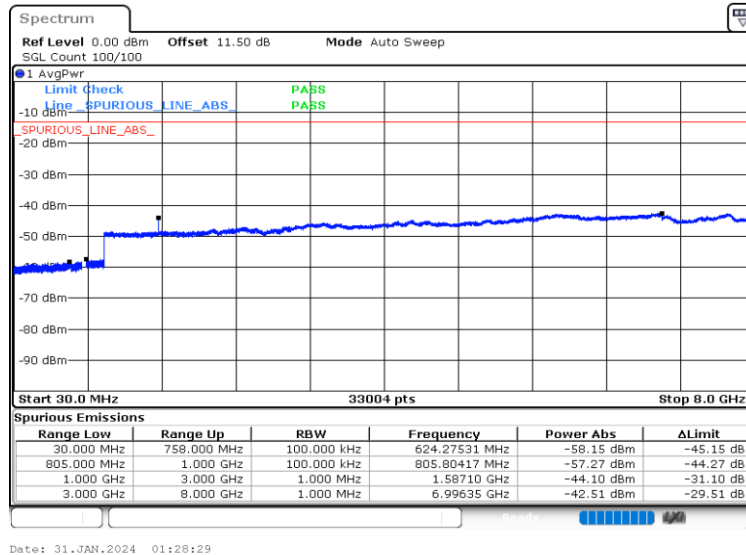
Lowest Channel / QPSK



Middle Channel / QPSK



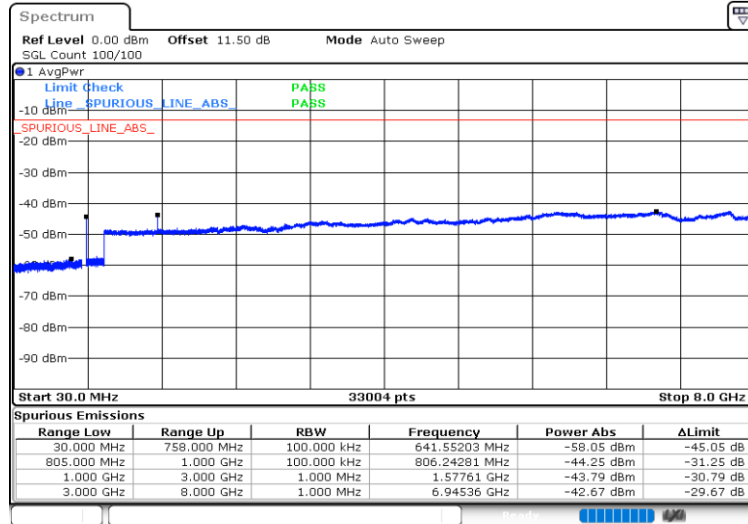
Highest Channel / QPSK





LTE Band 14 / 10MHz

Middle Channel / QPSK

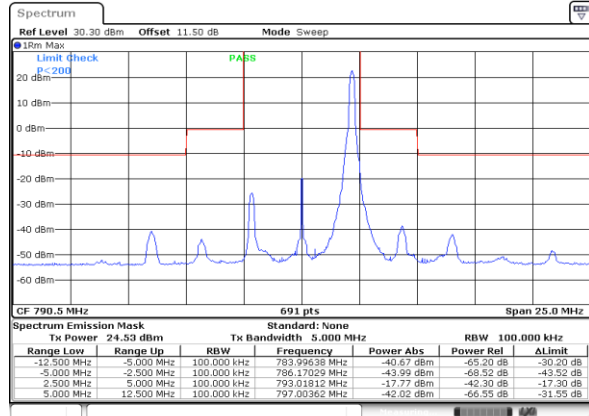
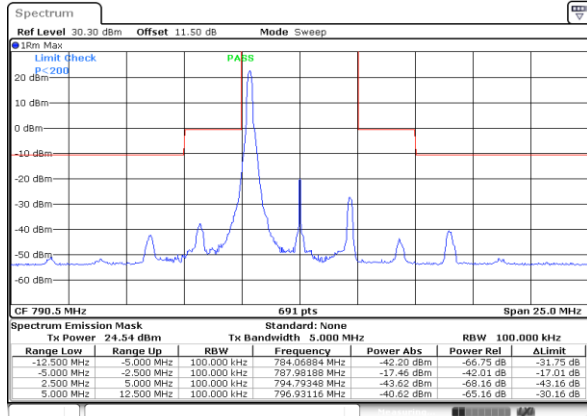


Date: 31.JAN.2024 02:18:04

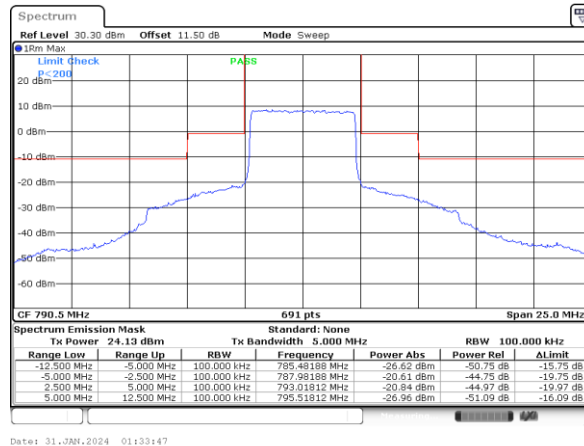
Mask

LTE Band 14 / 5MHz / QPSK

Lowest Channel / 1RB

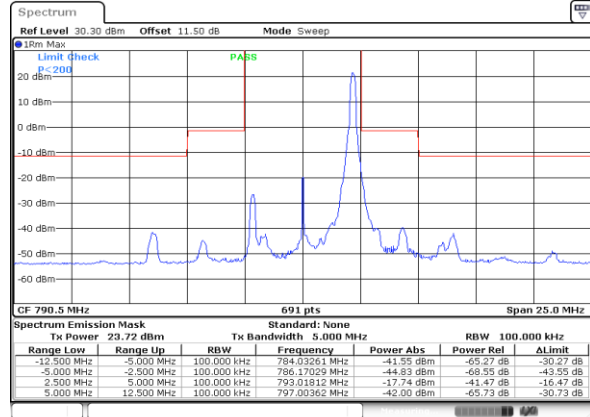
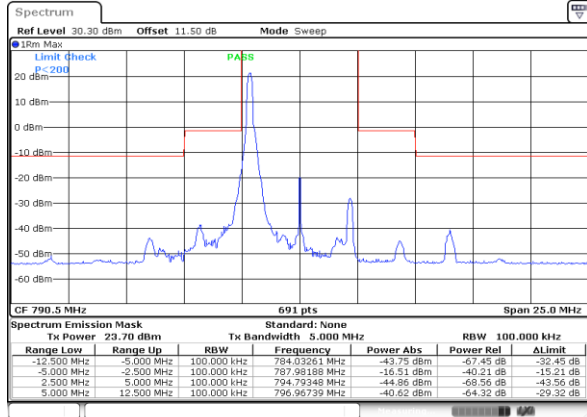


Lowest Channel / Full RB

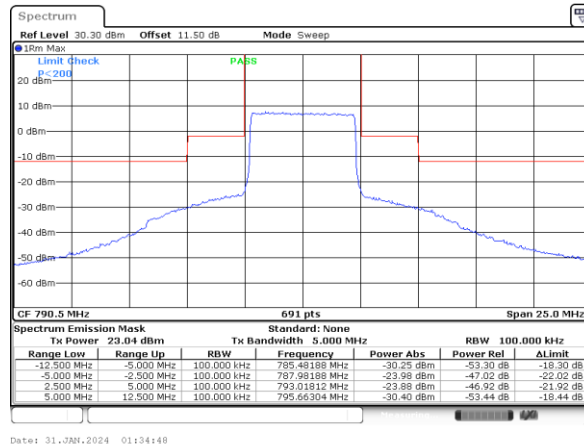


LTE Band 14 / 5MHz / 16QAM

Lowest Channel / 1RB

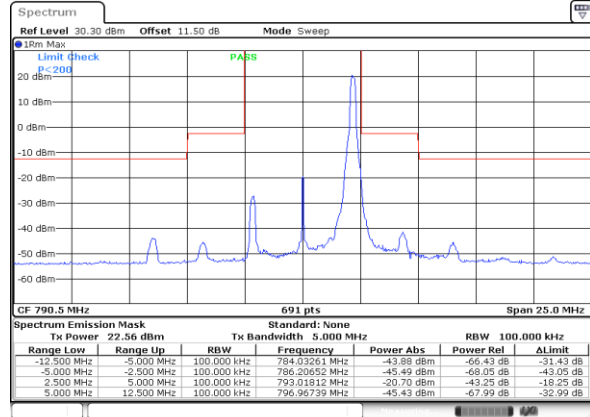
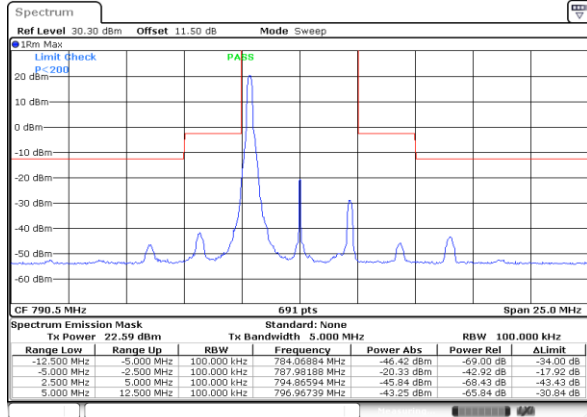


Lowest Channel / Full RB

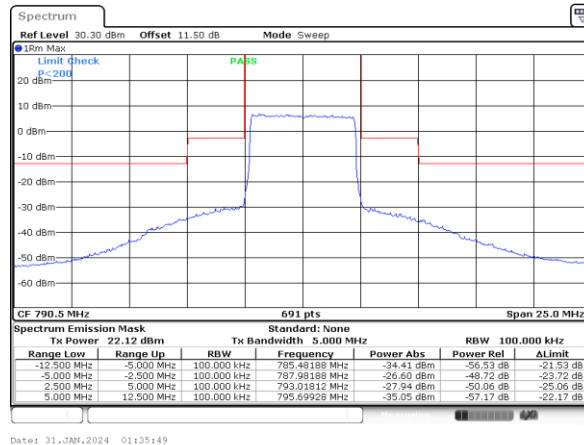


LTE Band 14 / 5MHz / 64QAM

Lowest Channel / 1RB

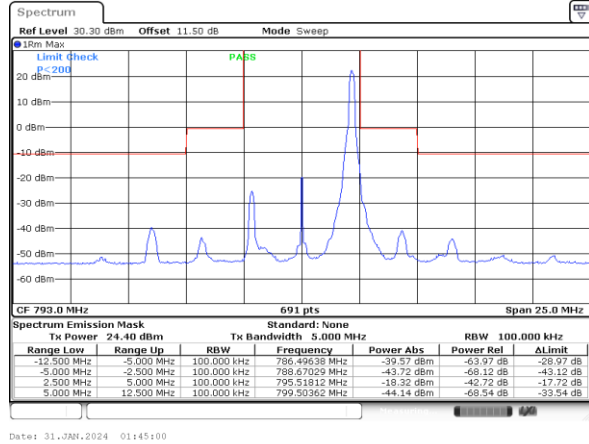
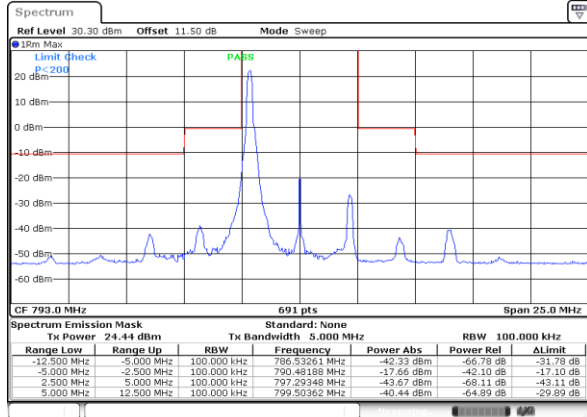


Lowest Channel / Full RB

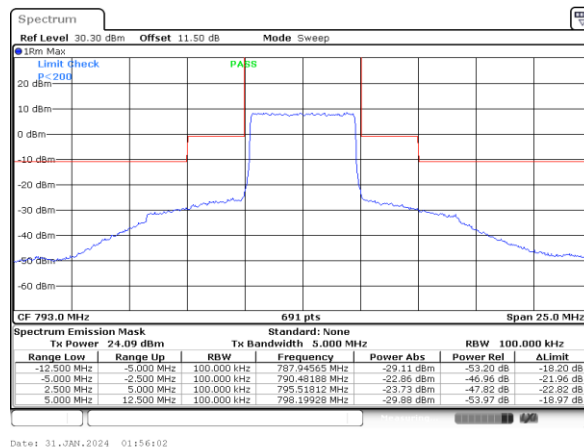


LTE Band 14 / 5MHz / QPSK

Middle Channel / 1RB

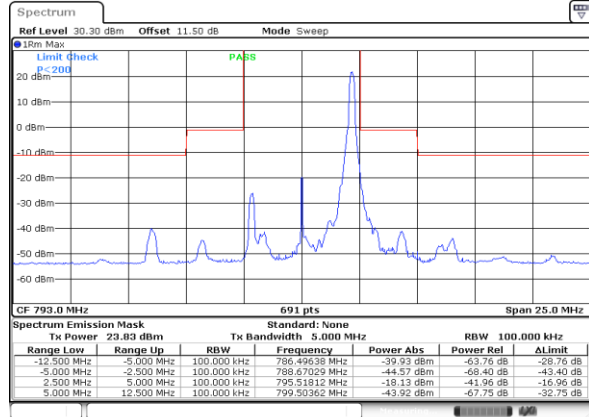
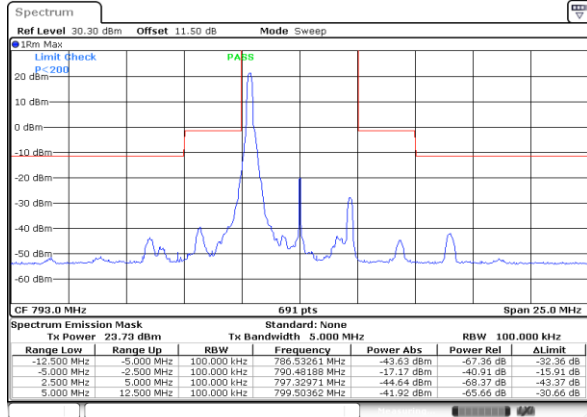


Middle Channel / Full RB

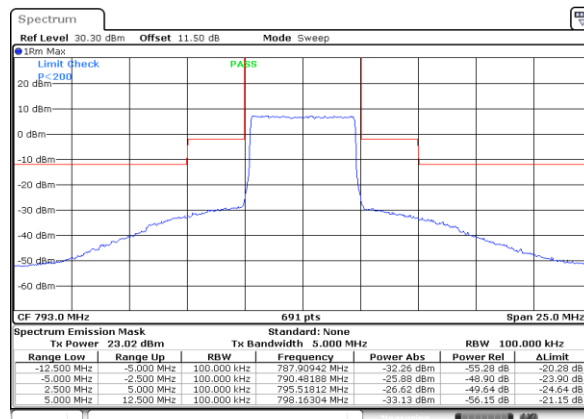


LTE Band 14 / 5MHz / 16QAM

Middle Channel / 1RB

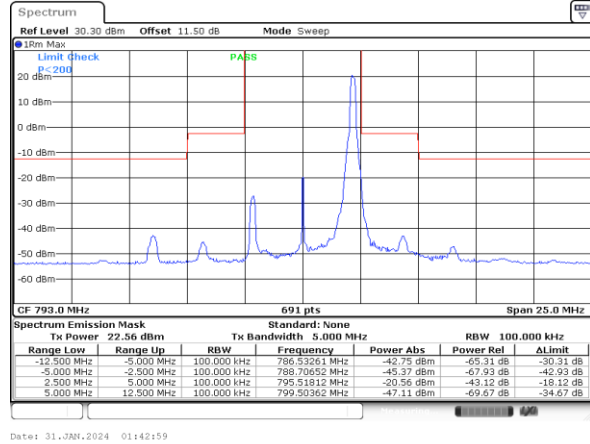
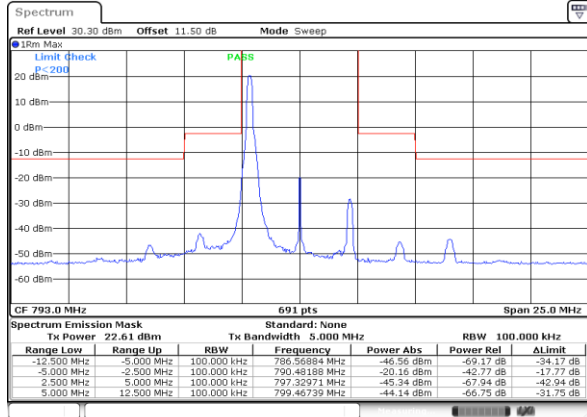


Middle Channel / Full RB

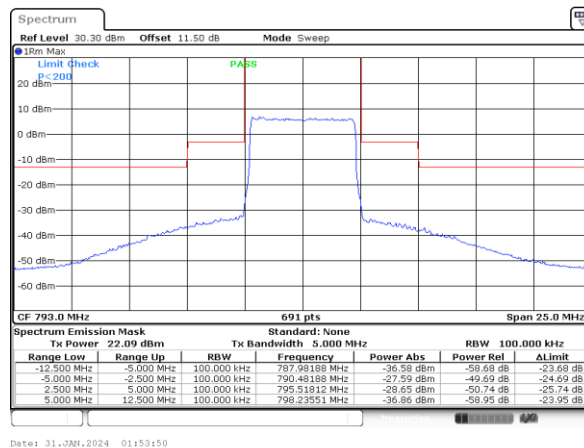


LTE Band 14 / 5MHz / 64QAM

Middle Channel / 1RB

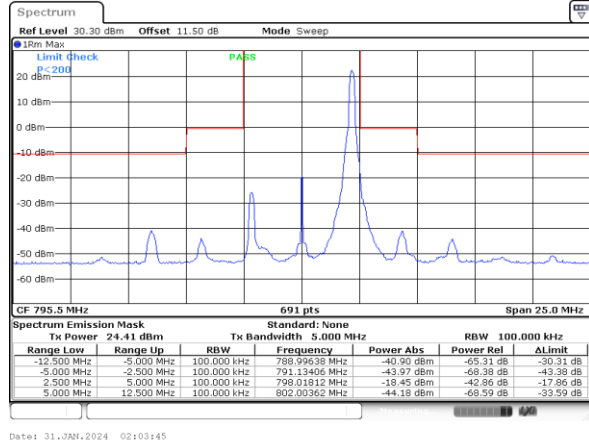
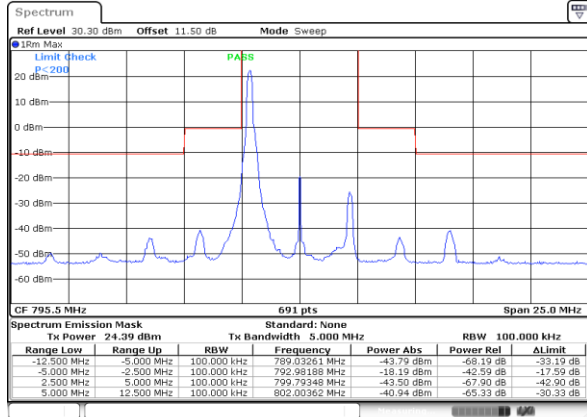


Middle Channel / Full RB

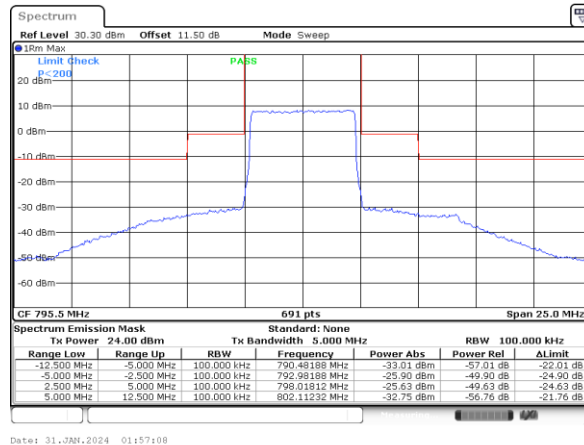


LTE Band 14 / 5MHz / QPSK

Highest Channel / 1RB

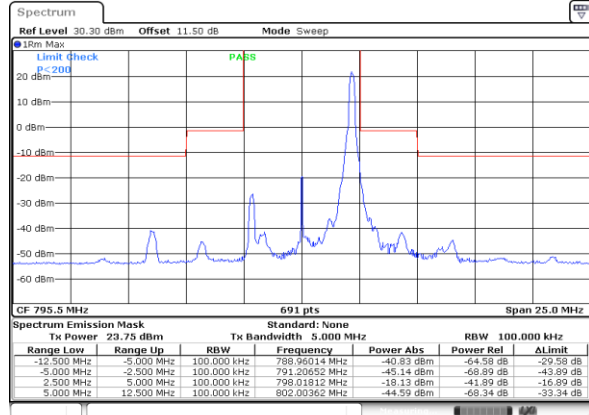
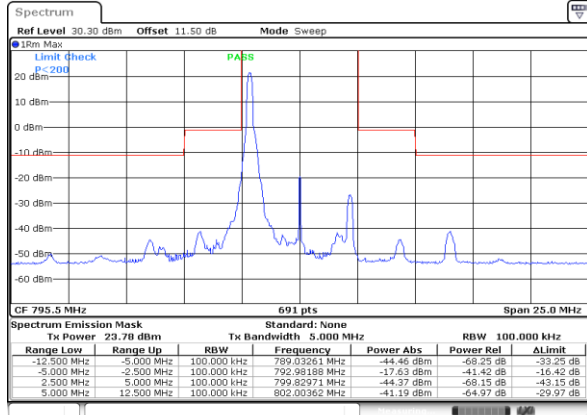


Highest Channel / Full RB

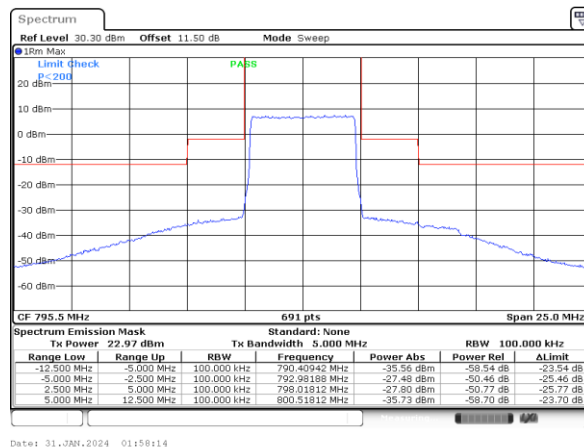


LTE Band 14 / 5MHz / 16QAM

Highest Channel / 1RB

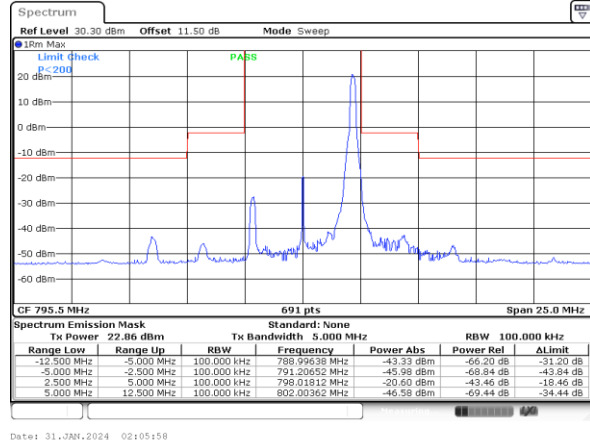
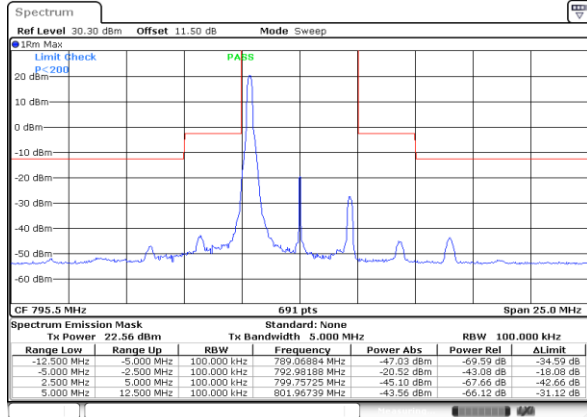


Highest Channel / Full RB

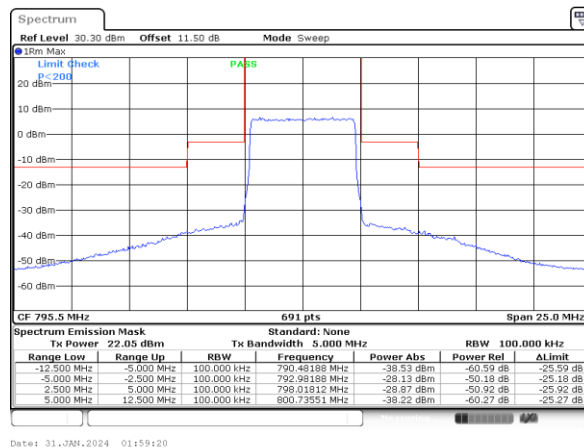


LTE Band 14 / 5MHz / 64QAM

Highest Channel / 1RB



Highest Channel / Full RB



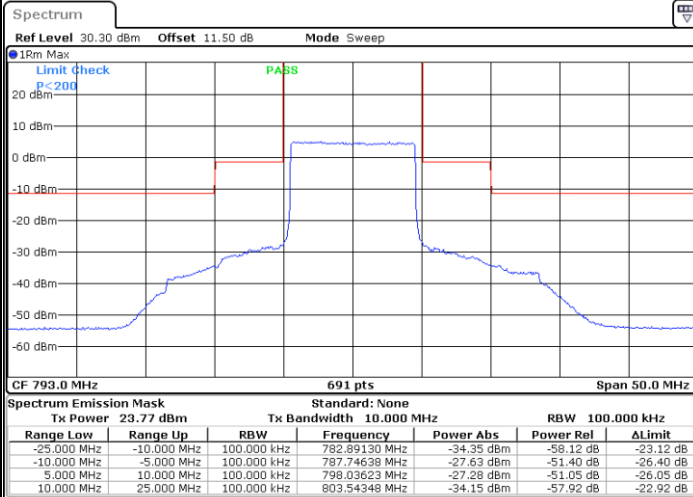


LTE Band 14 / 10MHz / QPSK

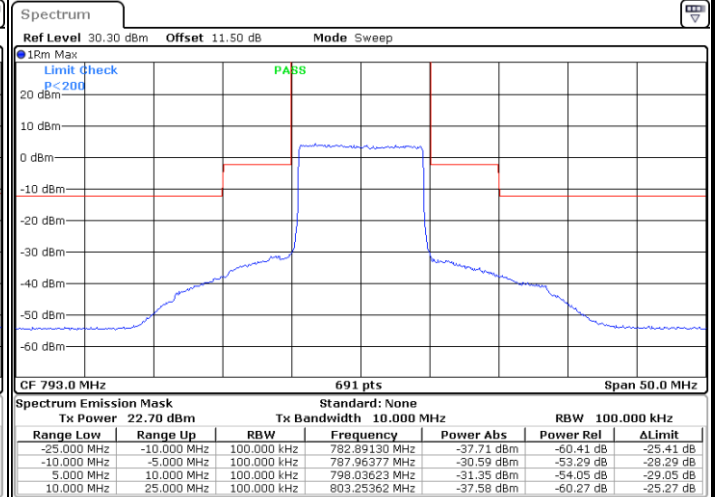
Middle Channel / Full RB

LTE Band 14 / 10MHz / 16QAM

Middle Channel / Full RB



Date: 31.JAN.2024 02:13:43

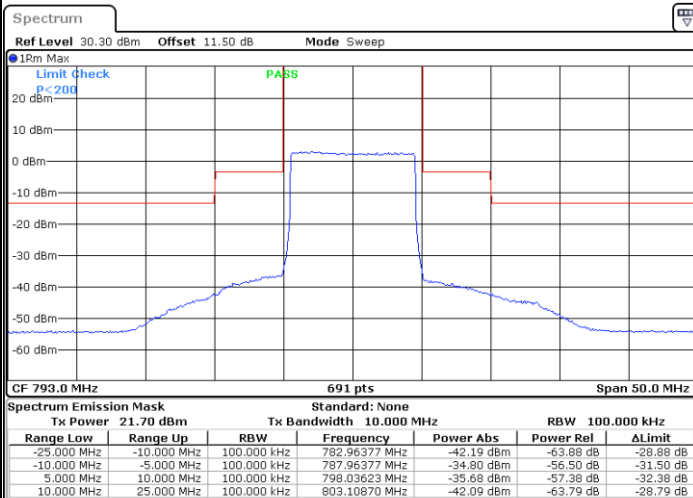


Date: 31.JAN.2024 02:12:37

LTE Band 14 / 10MHz / 64QAM

Middle Channel / Full RB

N/A



Date: 31.JAN.2024 02:11:32

Frequency Stability

Test Conditions		LTE Band 14 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0172	PASS
40	Normal Voltage	0.0116	
30	Normal Voltage	0.0124	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0172	
0	Normal Voltage	0.0040	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0154	
-30	Normal Voltage	0.0174	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0140	

Note:

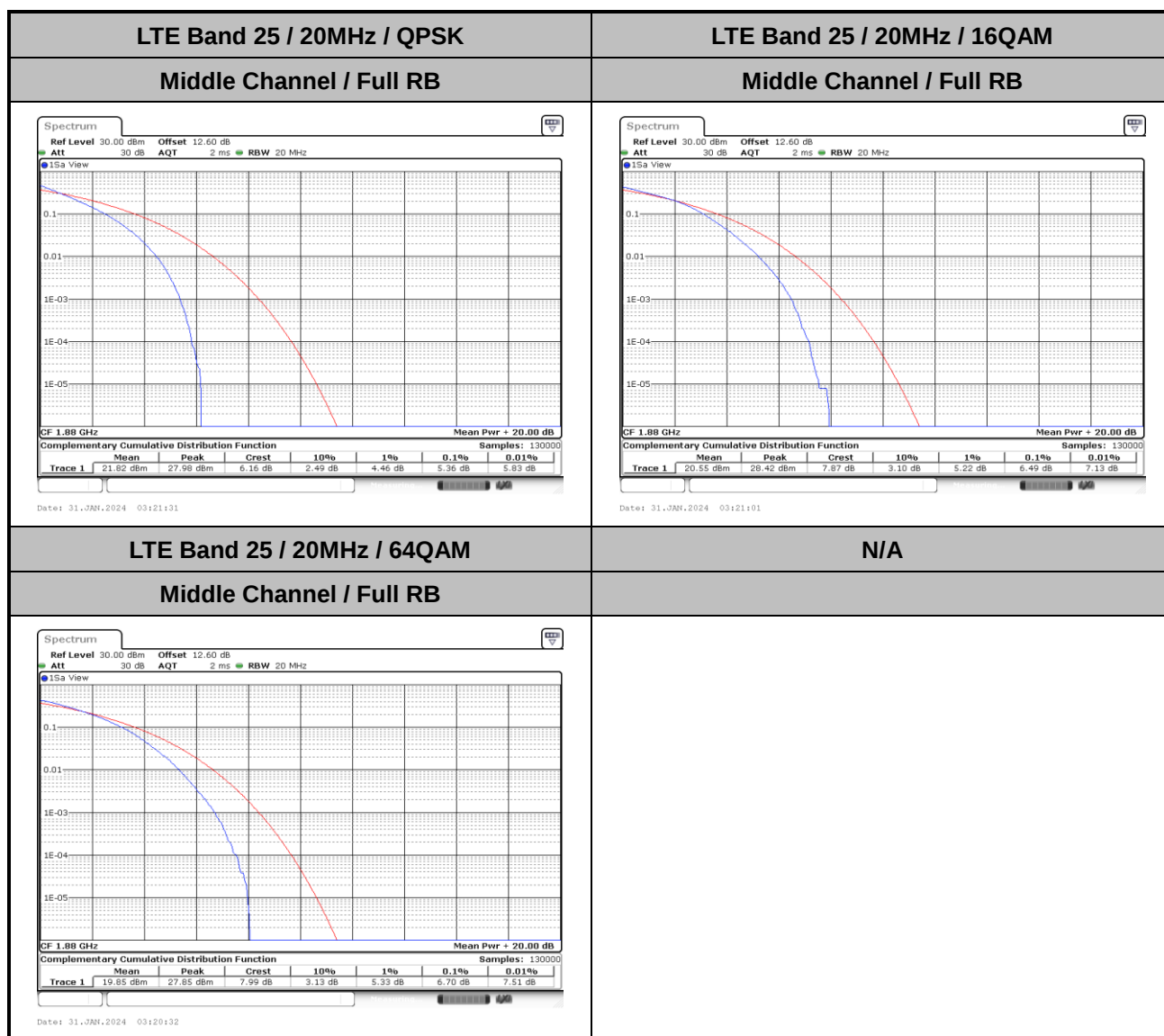
1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 25

Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.36	6.49	6.70	-	PASS



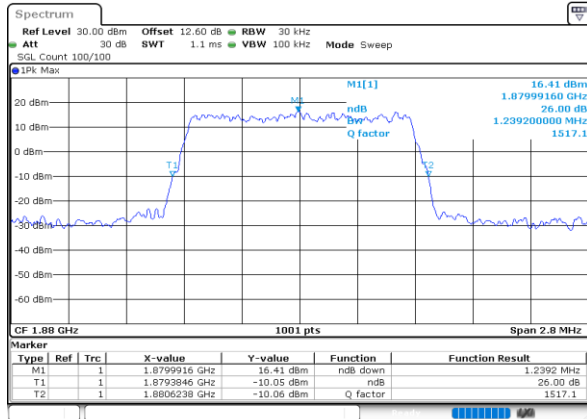
**26dB Bandwidth**

Mode	LTE Band 25 : 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	1.23	1.23	3.00	3.00	4.91	4.91	9.73	9.71	14.38	14.41	19.18	18.98
Mode	LTE Band 25 : 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	-	3.00	-	4.87	-	9.83	-	14.44	-	18.94	-

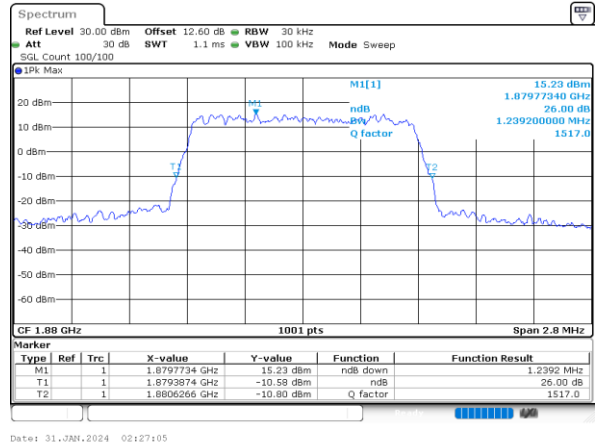


LTE Band 25

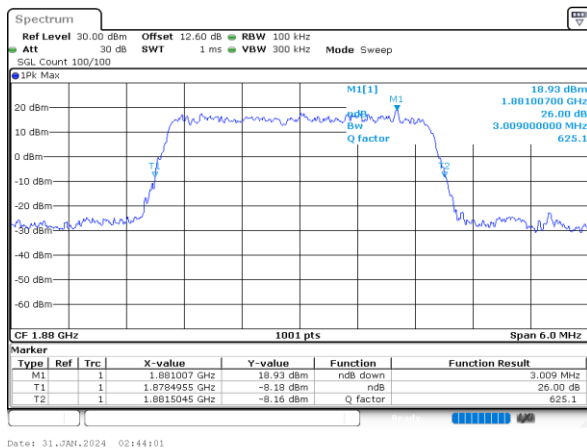
Middle Channel / 1.4MHz / QPSK



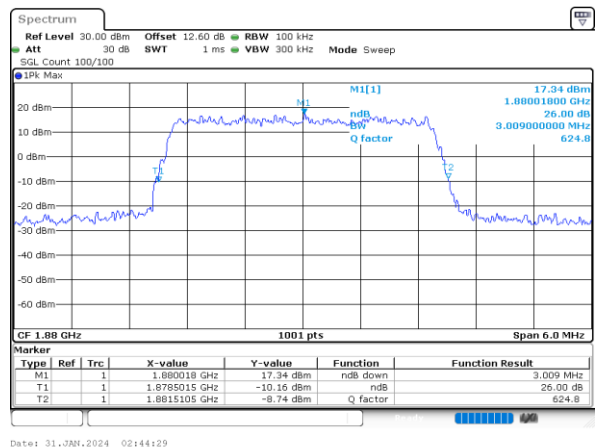
Middle Channel / 1.4MHz / 16QAM



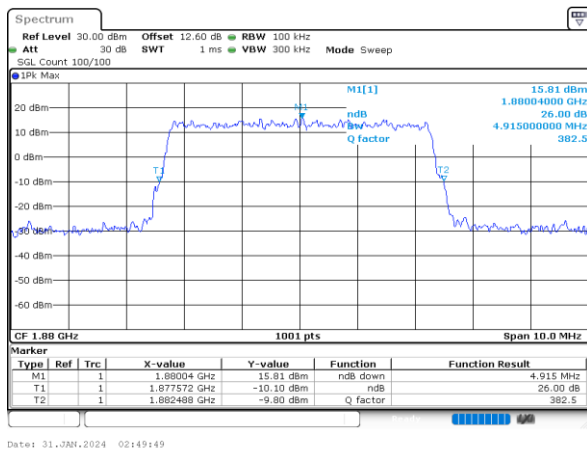
Middle Channel / 3MHz / QPSK



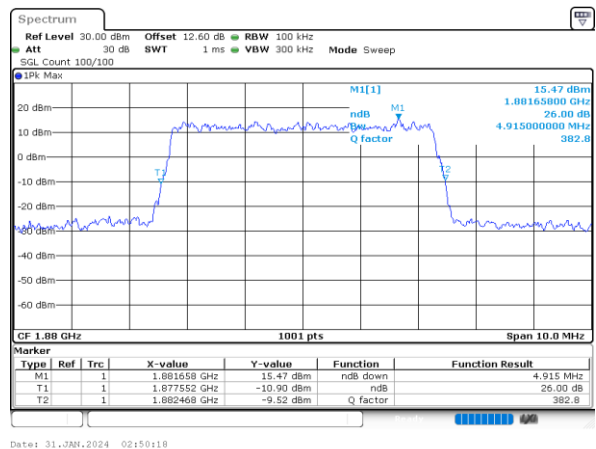
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



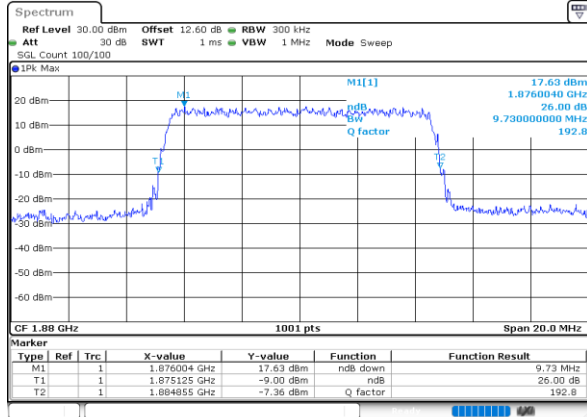
Middle Channel / 5MHz / 16QAM



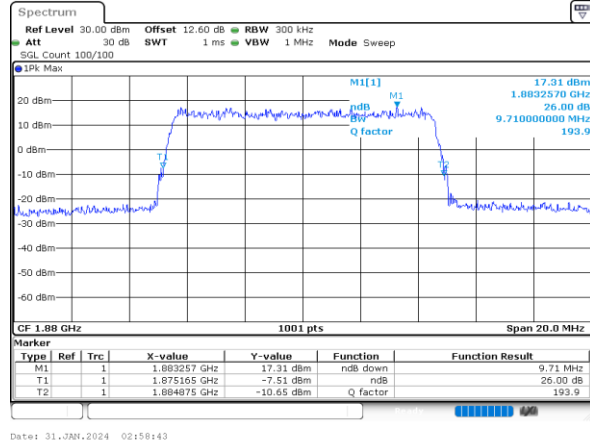


LTE Band 25

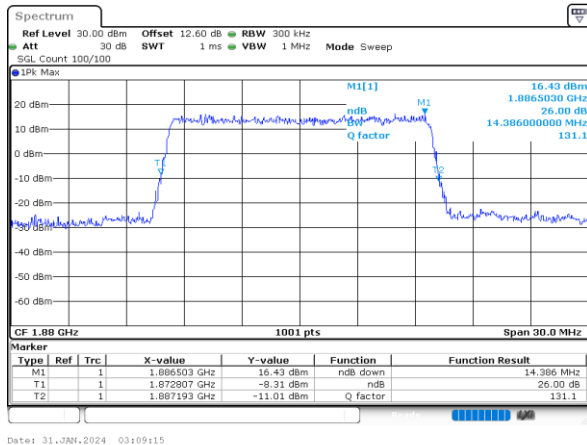
Middle Channel / 10MHz / QPSK



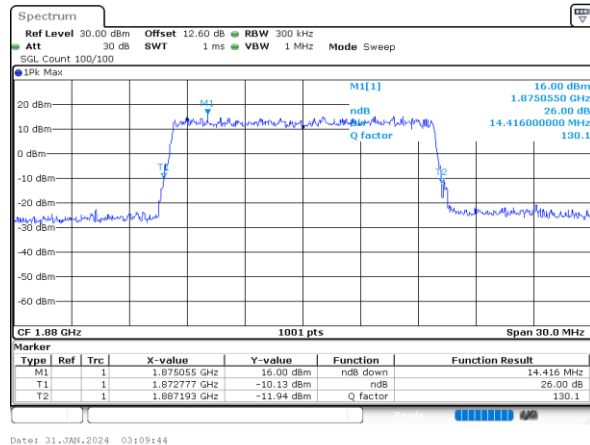
Middle Channel / 10MHz / 16QAM



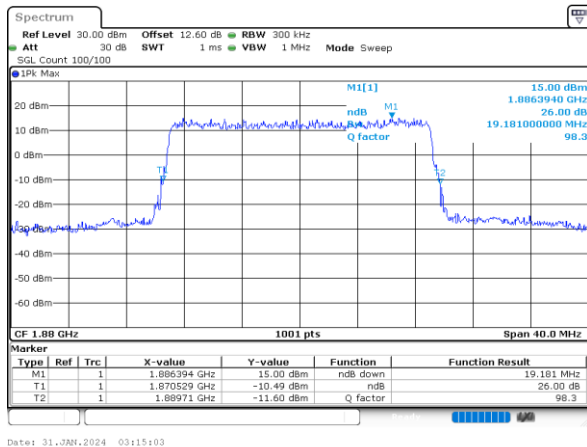
Middle Channel / 15MHz / QPSK



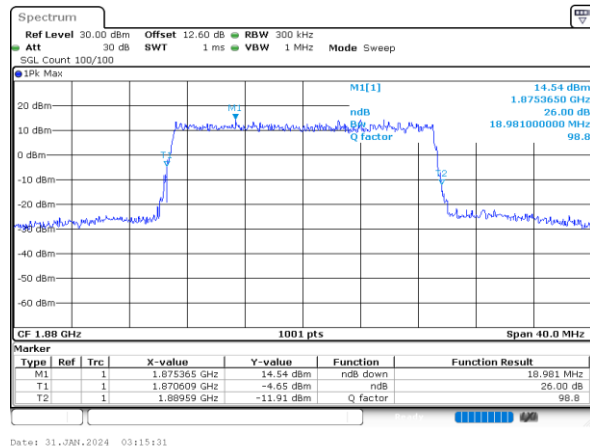
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



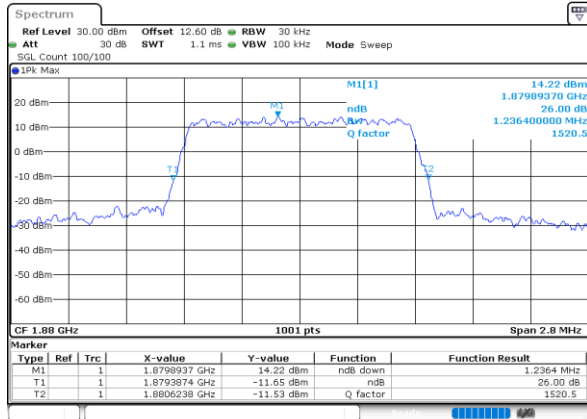
Middle Channel / 20MHz / 16QAM



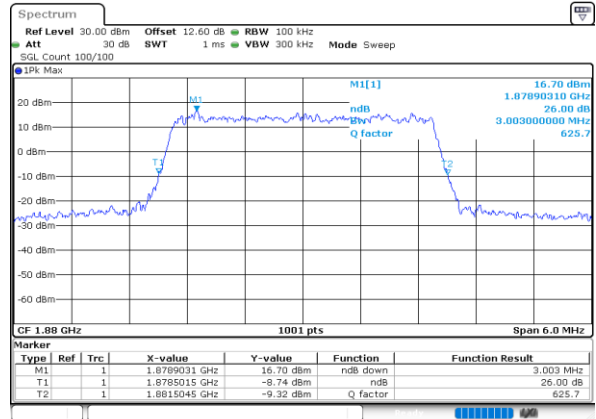


LTE Band 25

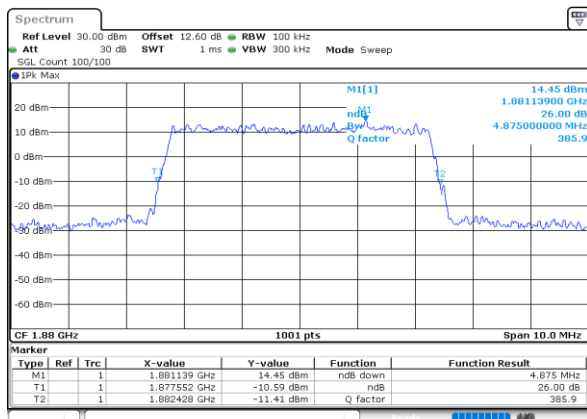
Middle Channel / 1.4MHz / 64QAM



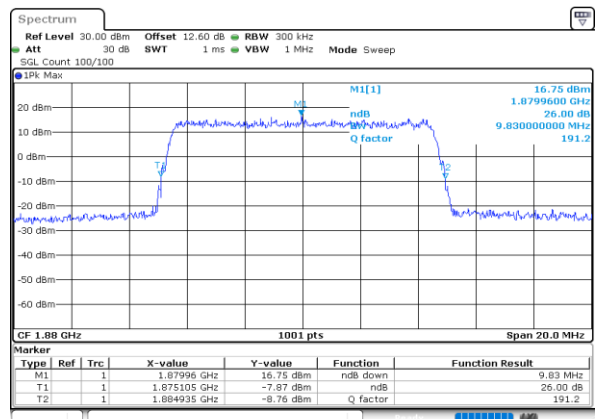
Middle Channel / 3MHz / 64QAM



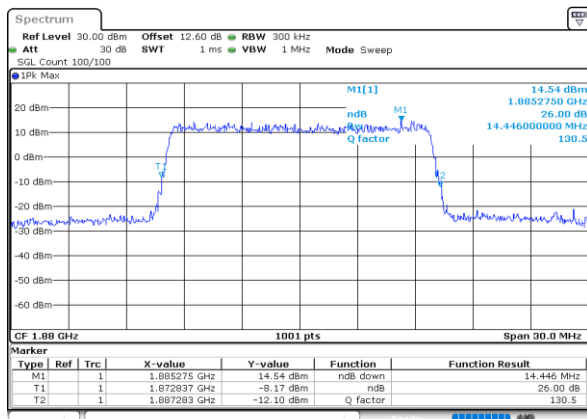
Middle Channel / 5MHz / 64QAM



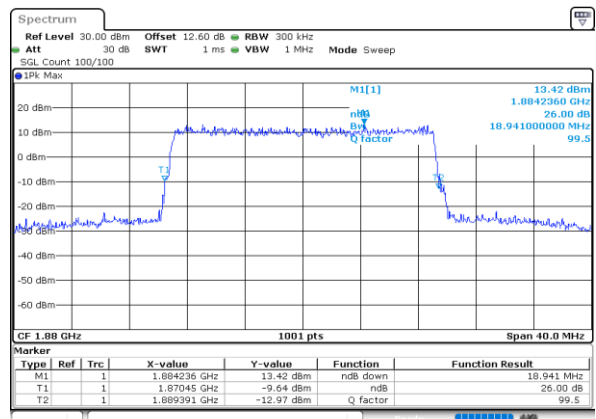
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM



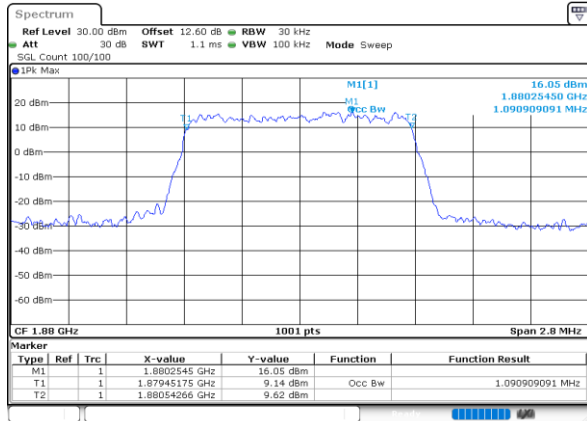
**Occupied Bandwidth**

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	1.09	1.09	2.72	2.73	4.49	4.47	9.07	9.01	13.48	13.45	17.98	17.86
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	1.08	-	2.73	-	4.49	-	9.05	-	13.48	-	17.98	-

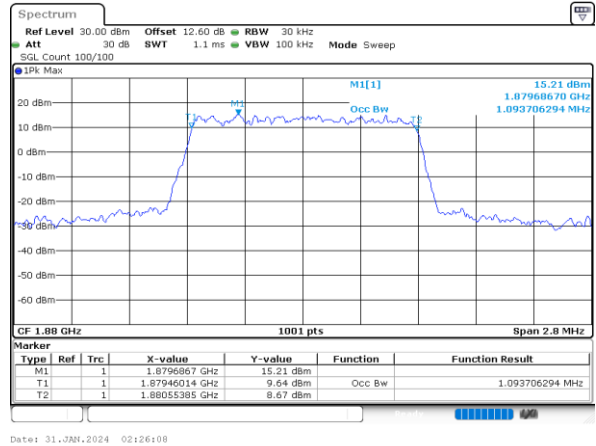


LTE Band 25

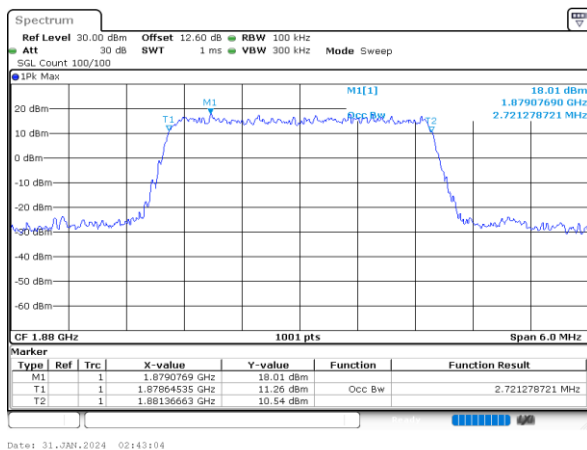
Middle Channel / 1.4MHz / QPSK



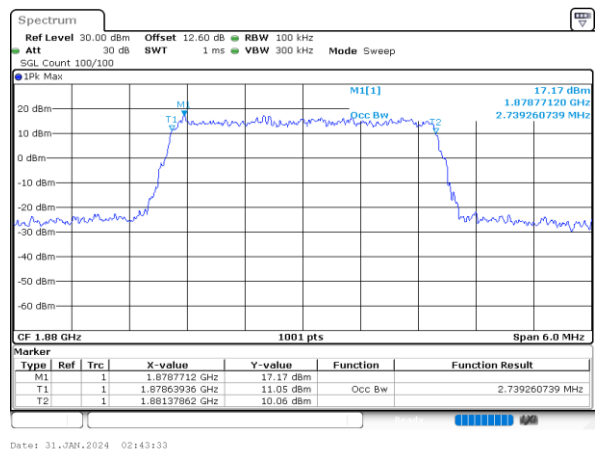
Middle Channel / 1.4MHz / 16QAM



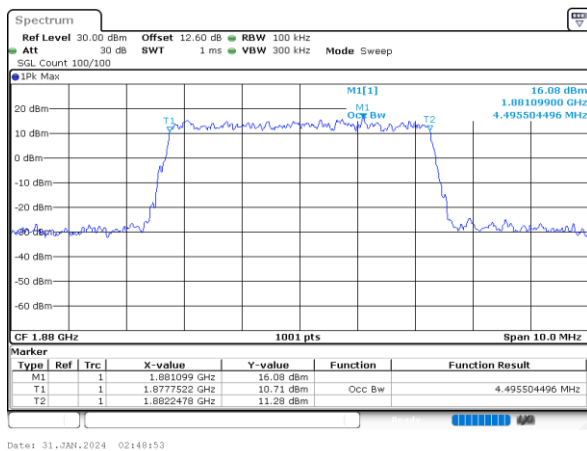
Middle Channel / 3MHz / QPSK



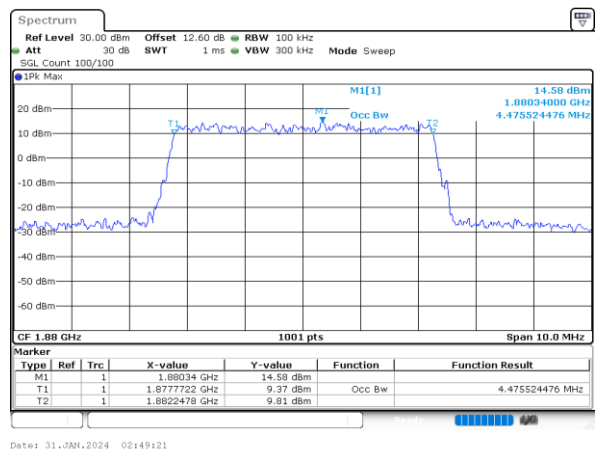
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



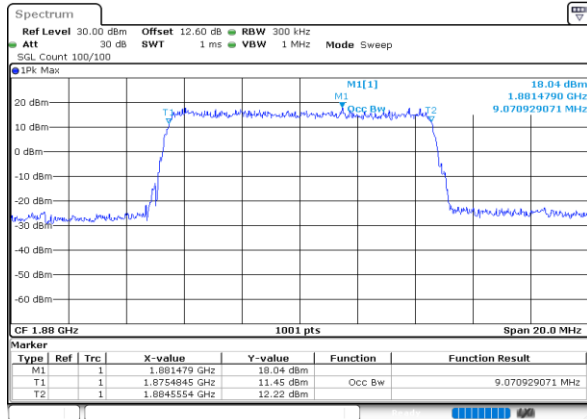
Middle Channel / 5MHz / 16QAM



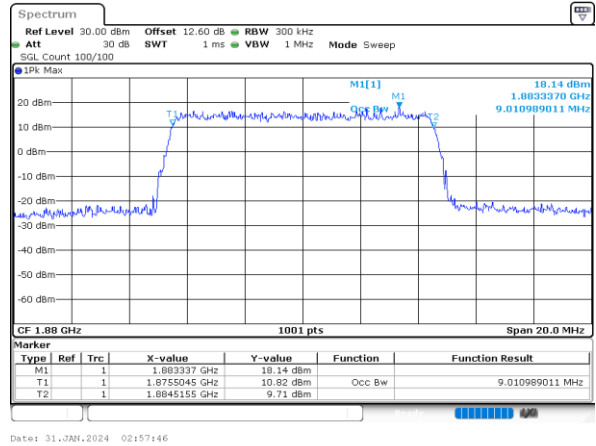


LTE Band 25

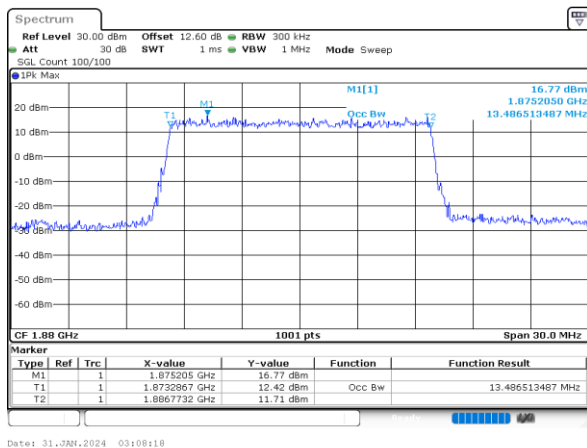
Middle Channel / 10MHz / QPSK



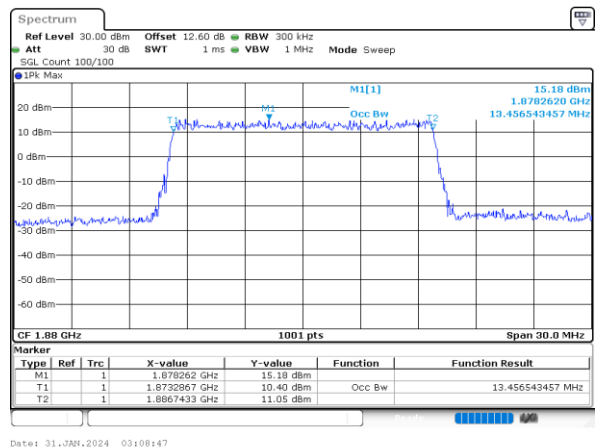
Middle Channel / 10MHz / 16QAM



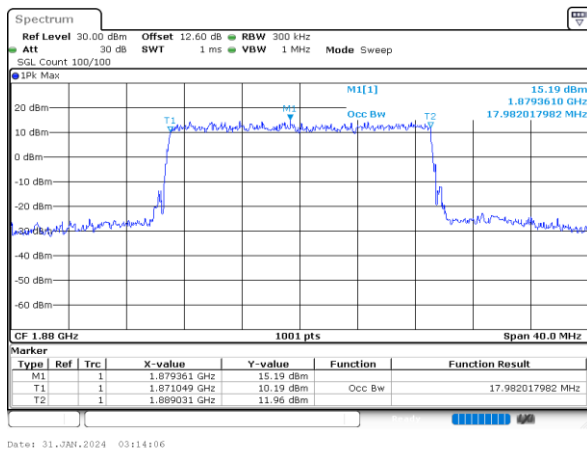
Middle Channel / 15MHz / QPSK



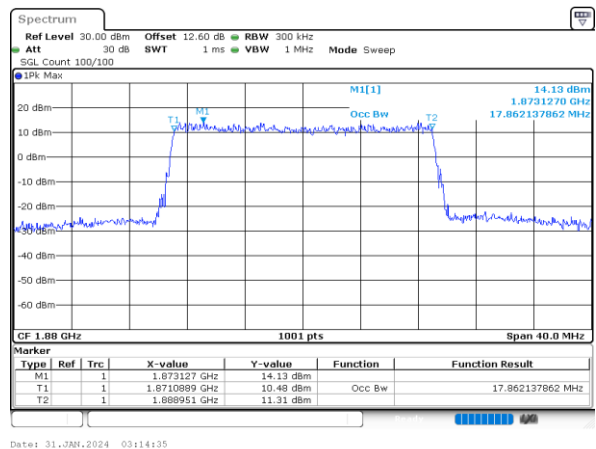
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



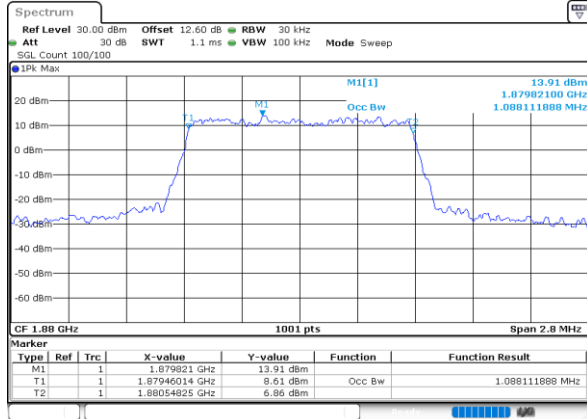
Middle Channel / 20MHz / 16QAM



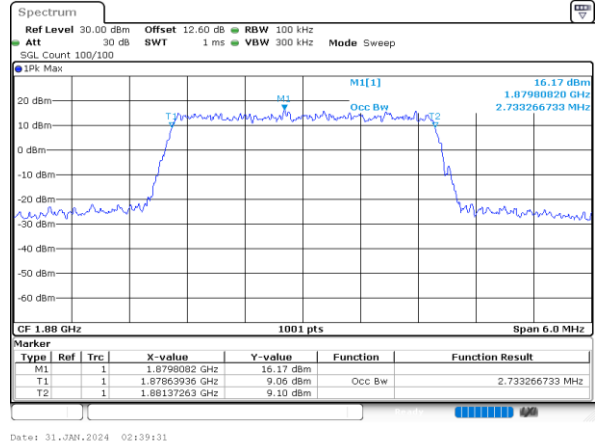


LTE Band 25

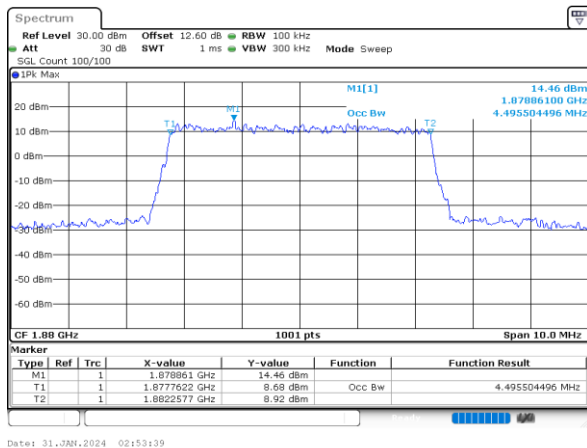
Middle Channel / 1.4MHz / 64QAM



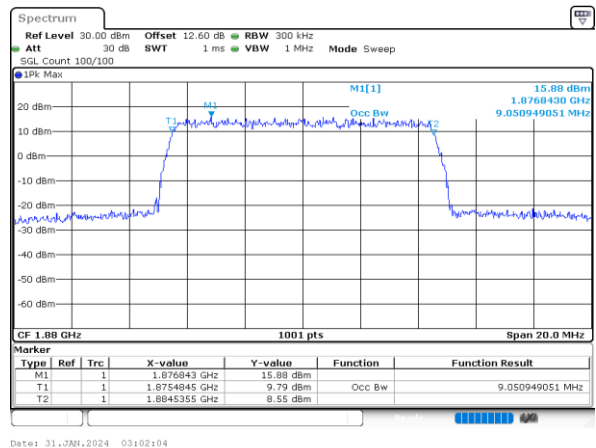
Middle Channel / 3MHz / 64QAM



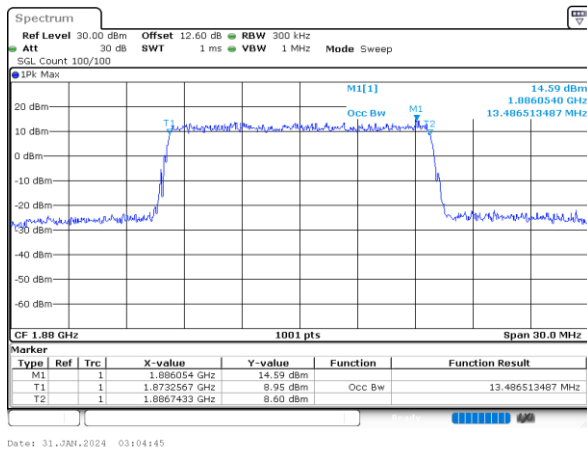
Middle Channel / 5MHz / 64QAM



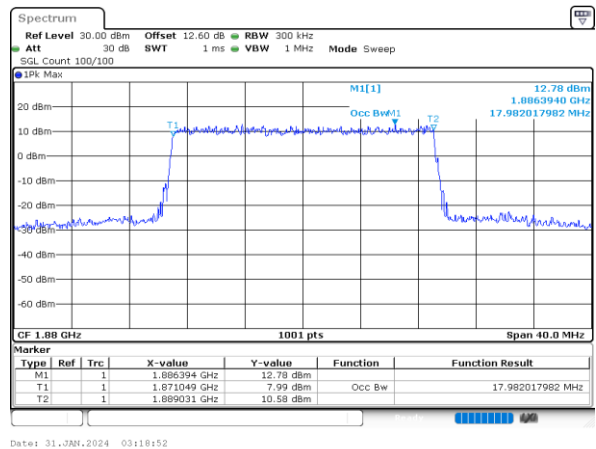
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM

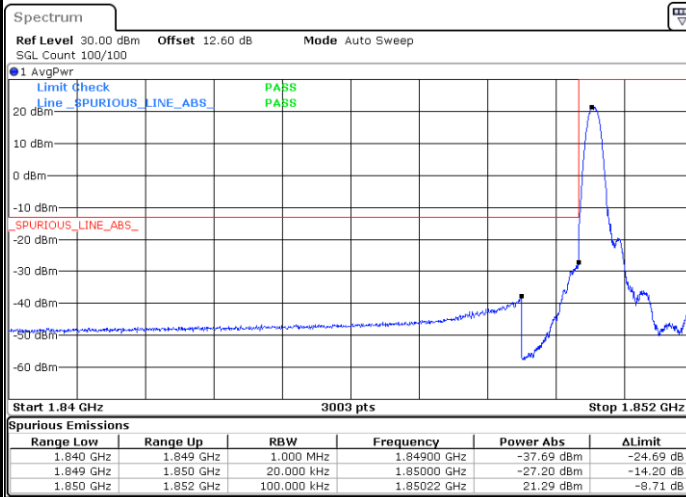




Conducted Band Edge

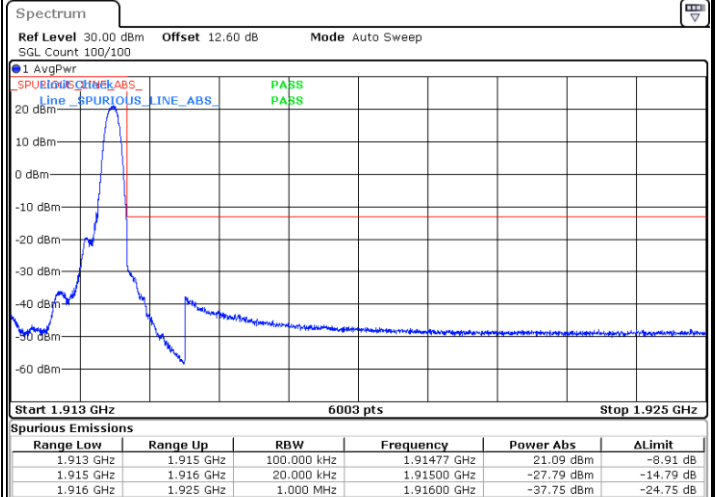
LTE Band 25 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



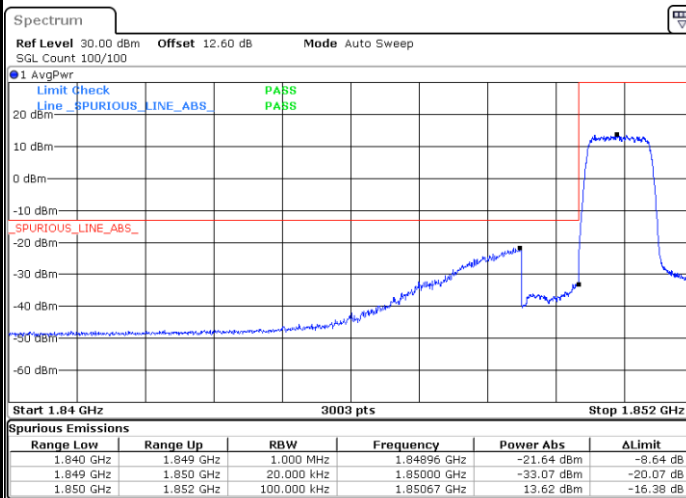
Date: 31.JAN.2024 02:21:02

Highest Band Edge / 1RB



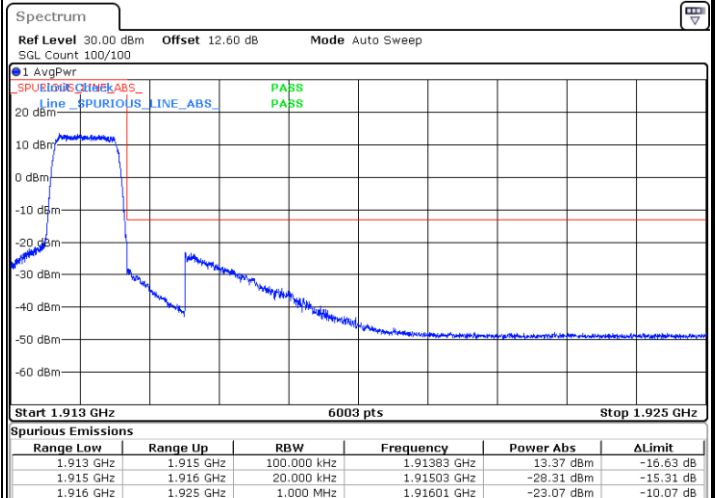
Date: 31.JAN.2024 02:32:11

Lowest Band Edge / Full RB



Date: 31.JAN.2024 02:22:57

Highest Band Edge / Full RB

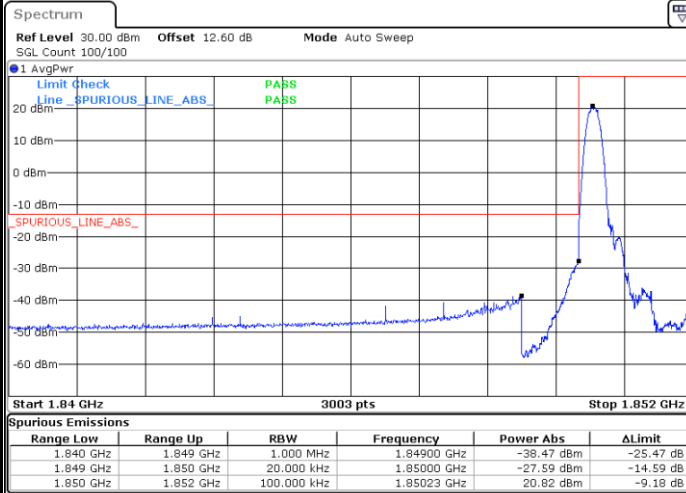


Date: 31.JAN.2024 02:29:19

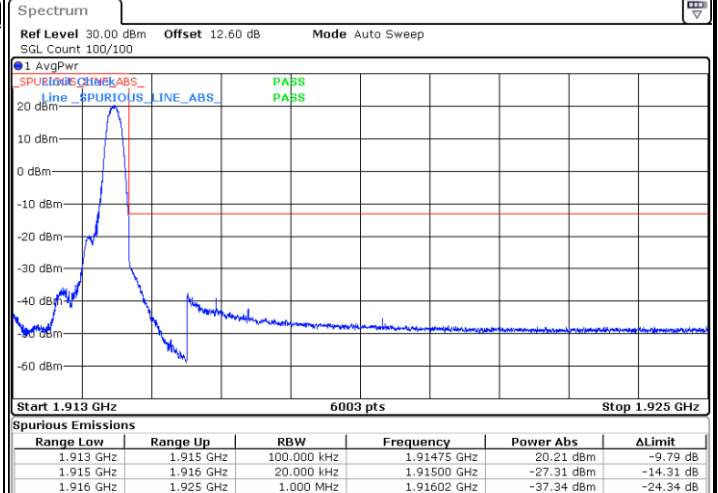


LTE Band 25 / 1.4MHz / 16QAM

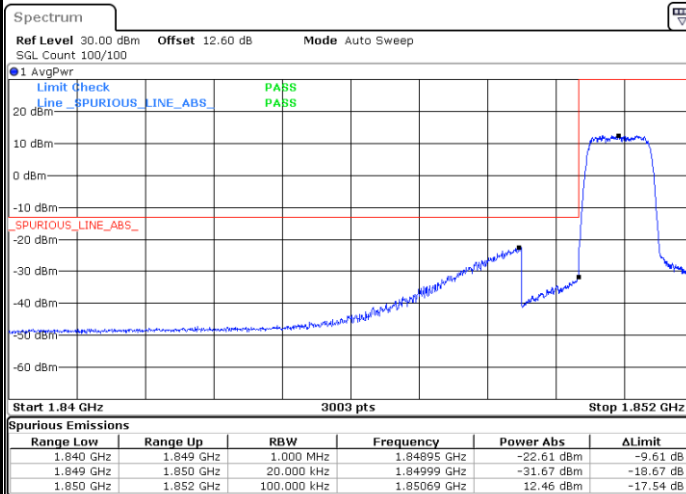
Lowest Band Edge / 1 RB



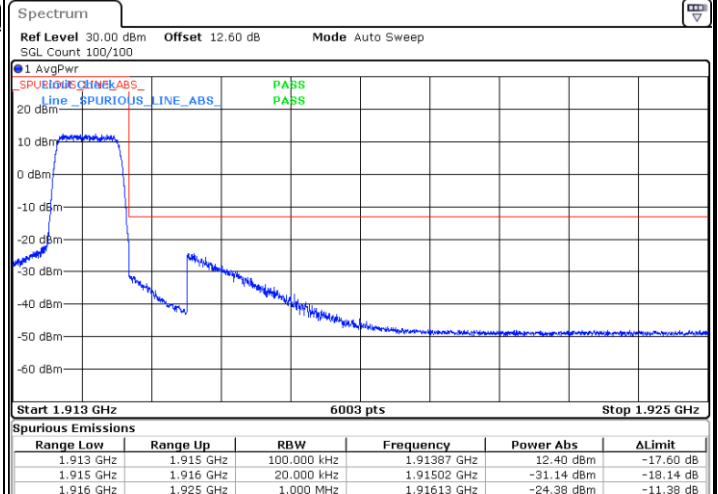
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



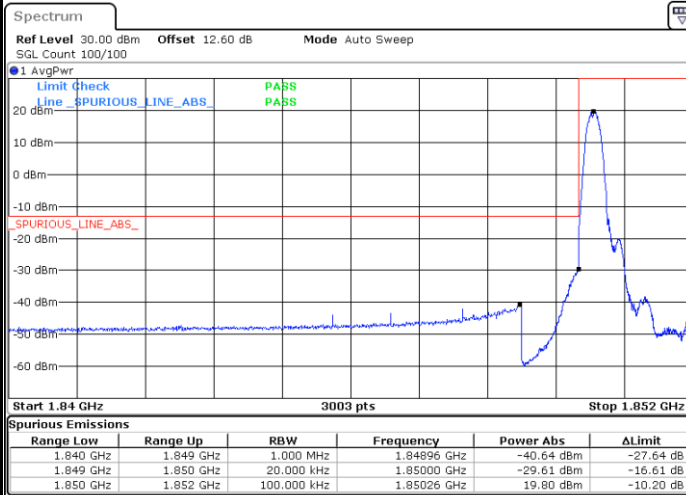
Highest Band Edge / Full RB



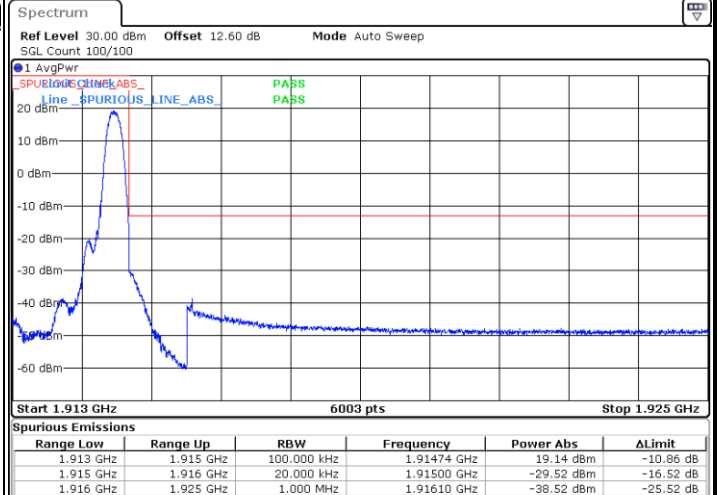


LTE Band 25 / 1.4MHz / 64QAM

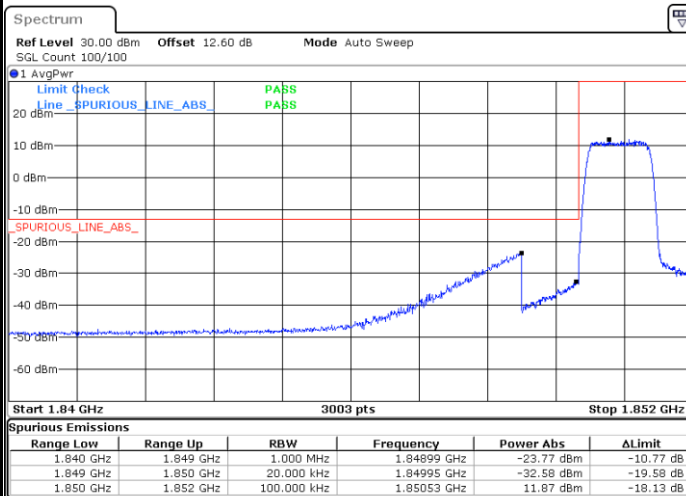
Lowest Band Edge / 1 RB



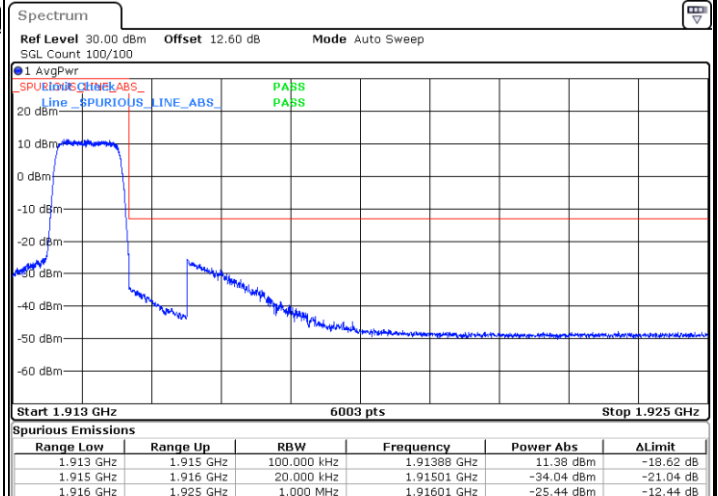
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



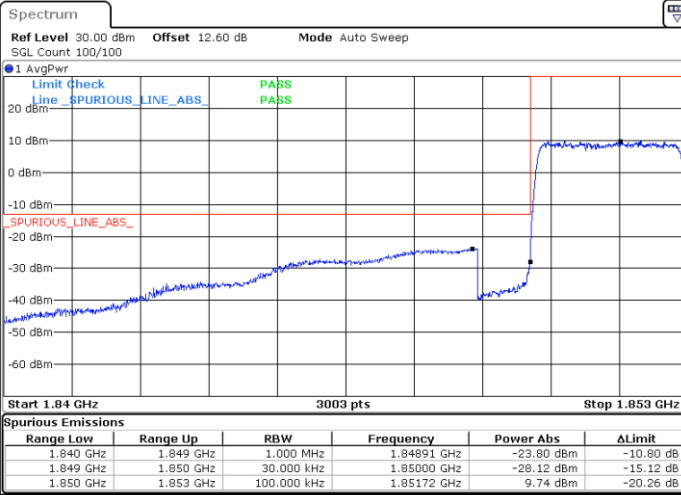
Highest Band Edge / Full RB



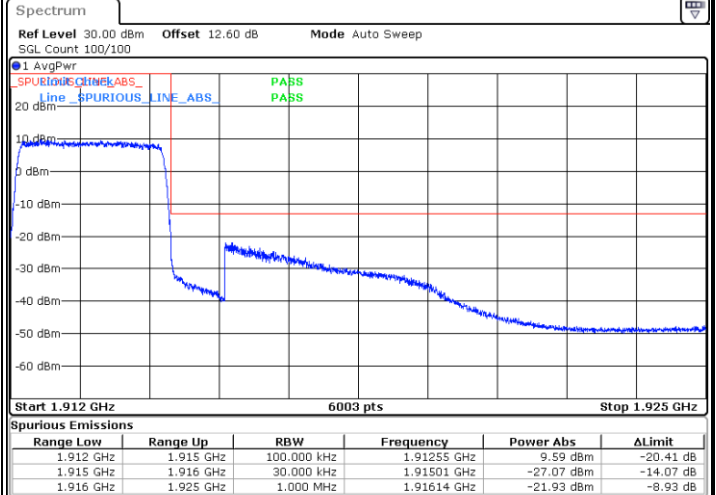


LTE Band 25 / 3MHz / QPSK

Lowest Band Edge / Full RB

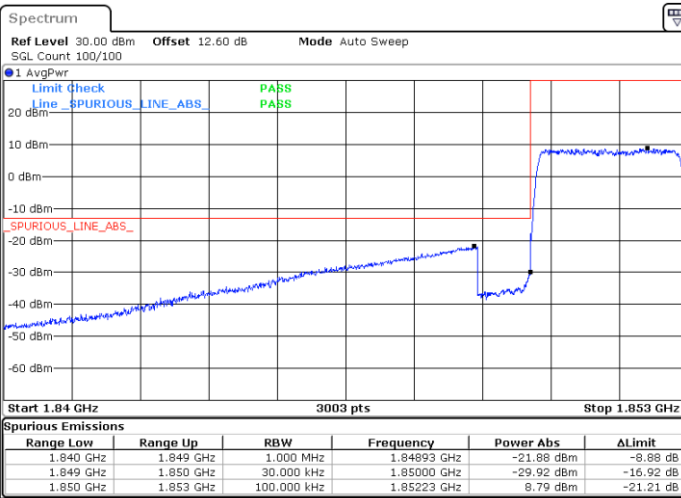


Highest Band Edge / Full RB

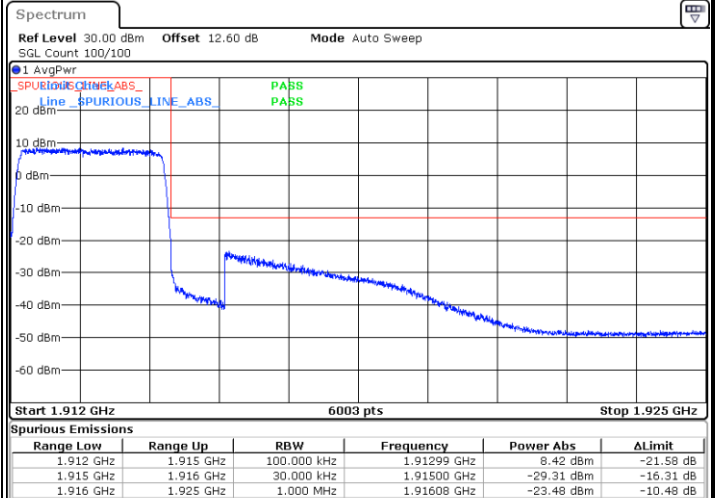


LTE Band 25 / 3MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

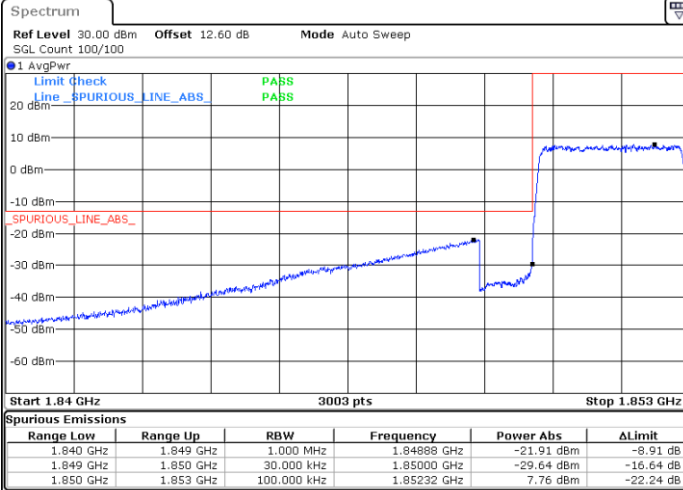




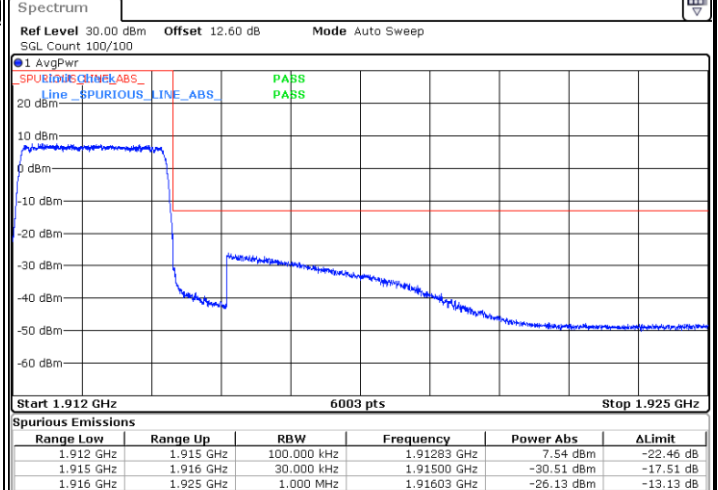
LTE Band 25 / 3MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.JAN.2024 02:39:02



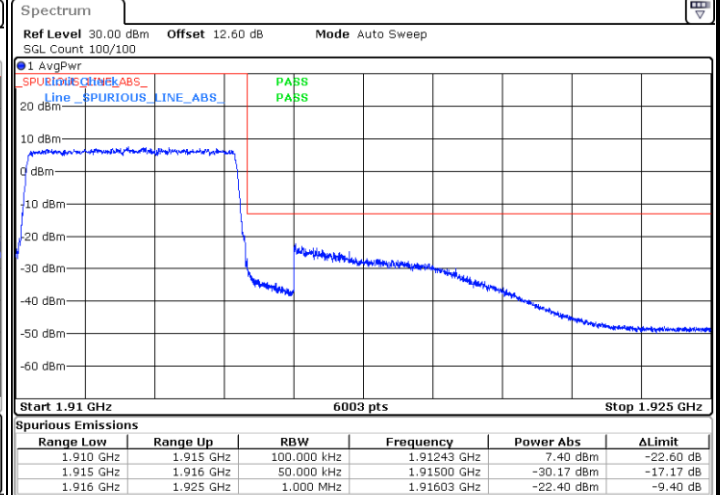
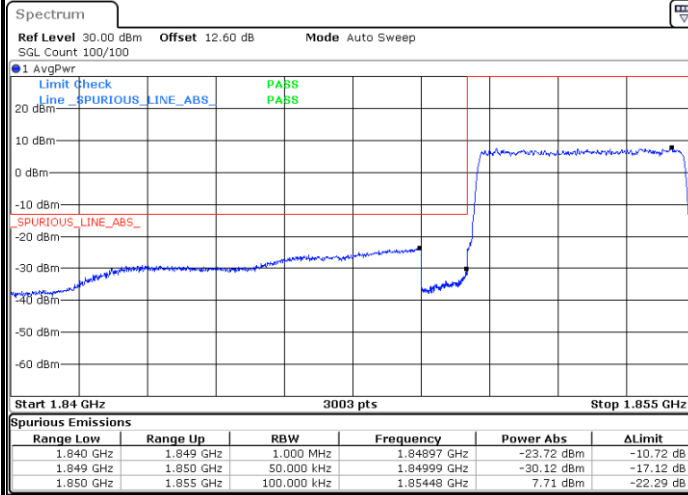
Date: 31.JAN.2024 02:40:40



LTE Band 25 / 5MHz / QPSK

Lowest Band Edge / Full RB

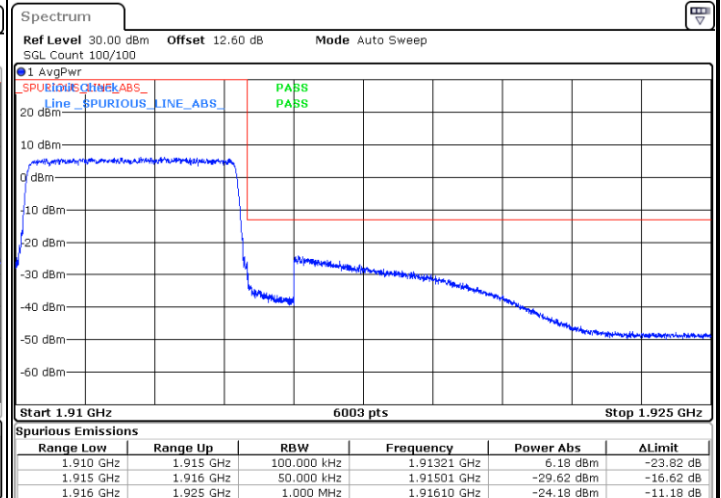
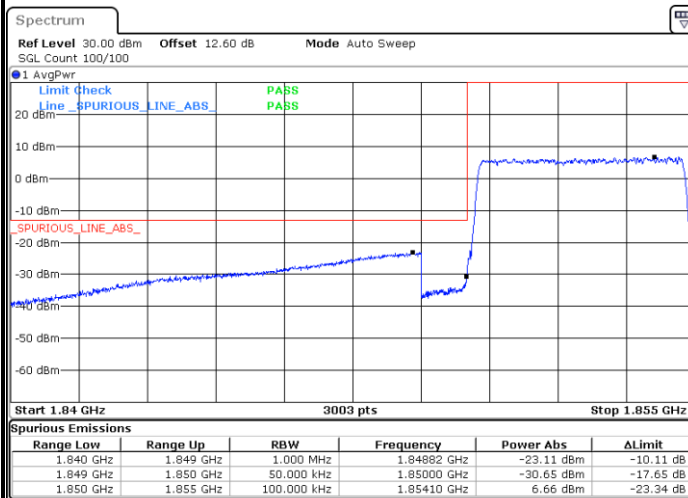
Highest Band Edge / Full RB



LTE Band 25 / 5MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

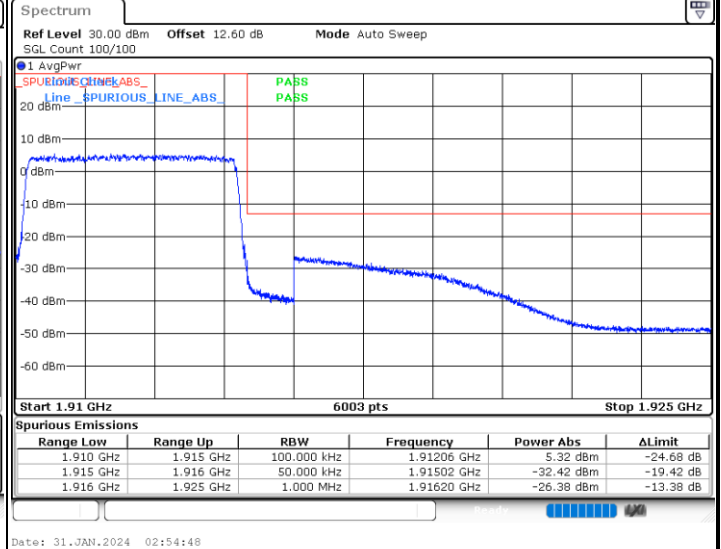
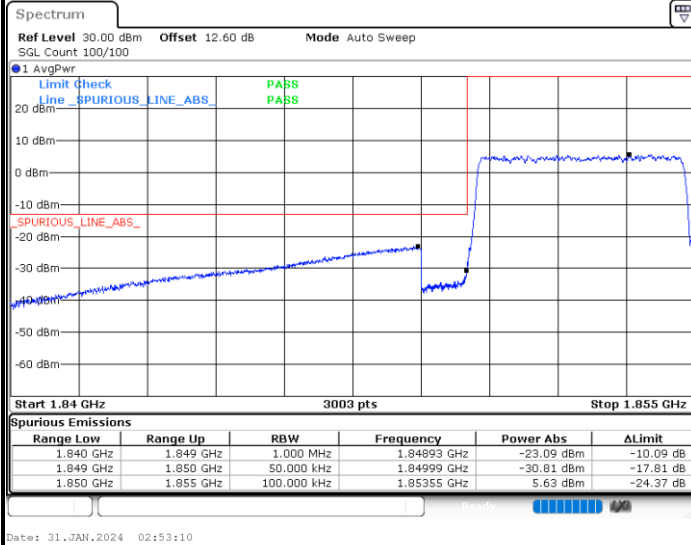




LTE Band 25 / 5MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

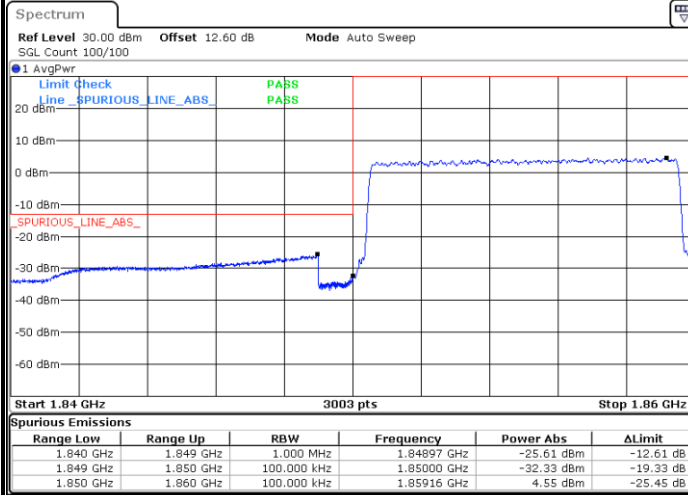




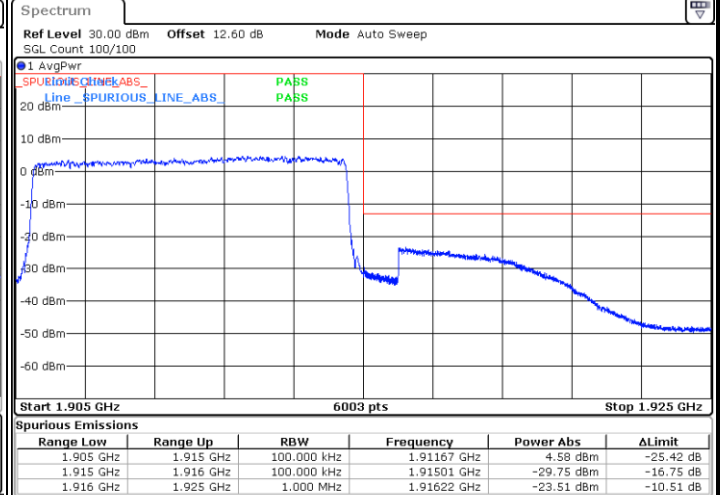
LTE Band 25 / 10MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.JAN.2024 02:55:51

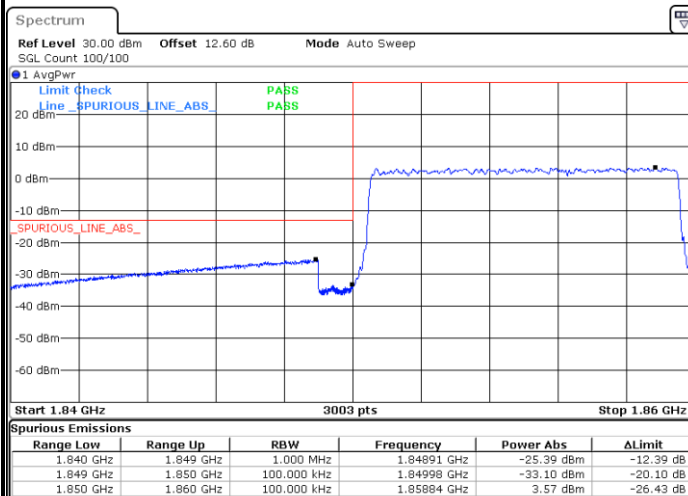


Date: 31.JAN.2024 02:59:40

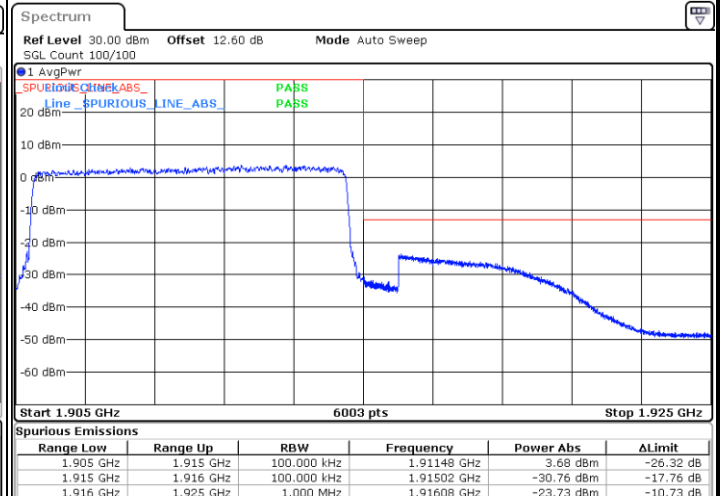
LTE Band 25 / 10MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.JAN.2024 02:56:49



Date: 31.JAN.2024 03:00:37