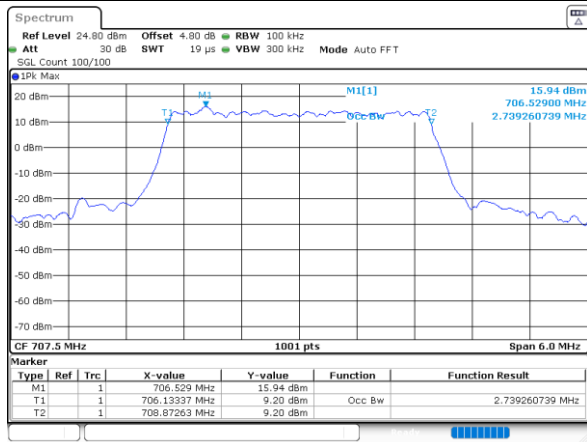




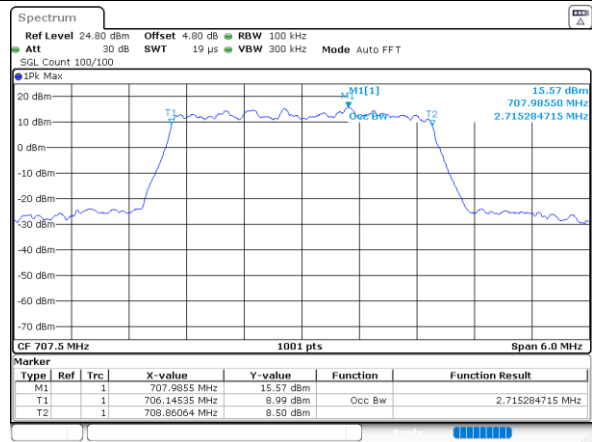
LTE Band 12

Middle Channel / 3MHz / QPSK



Date: 3.OCT.2024 17:55:45

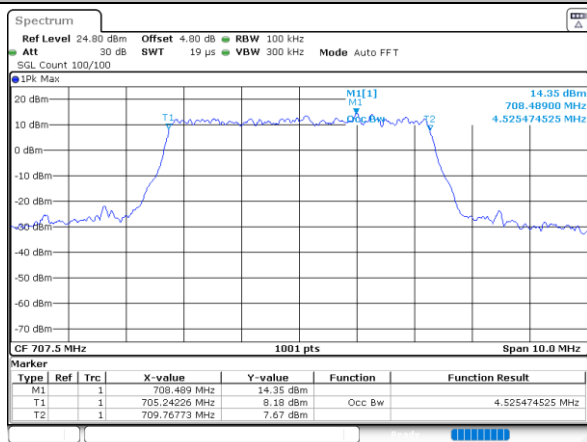
Middle Channel / 3MHz / 16QAM



Date: 3.OCT.2024 17:56:48

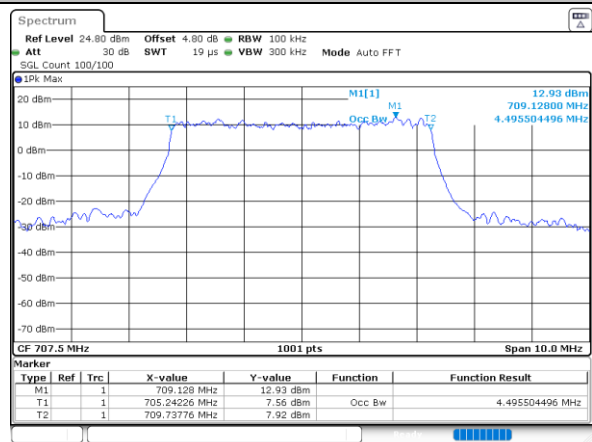
LTE Band 12

Middle Channel / 5MHz / QPSK



Date: 3.OCT.2024 17:54:20

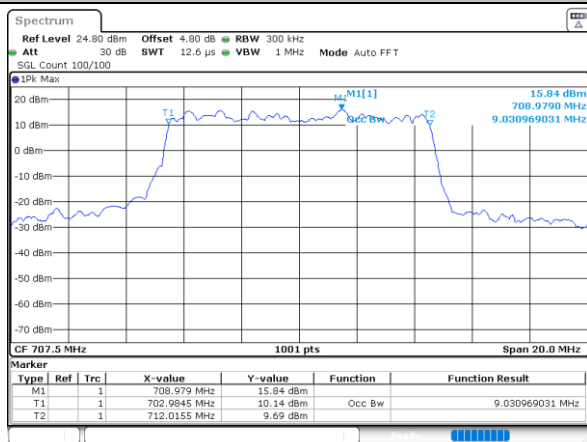
Middle Channel / 5MHz / 16QAM



Date: 3.OCT.2024 17:55:23

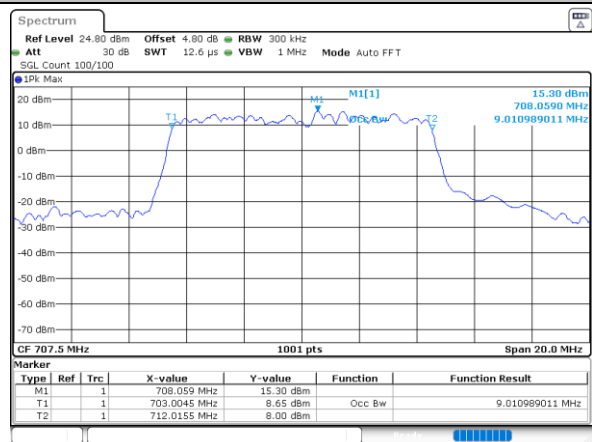
LTE Band 12

Middle Channel / 10MHz / QPSK



Date: 3.OCT.2024 17:52:55

Middle Channel / 10MHz / 16QAM



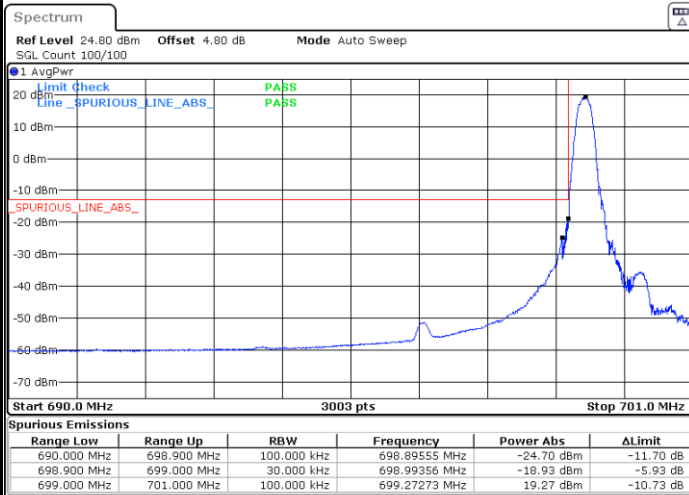
Date: 3.OCT.2024 17:53:16



Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

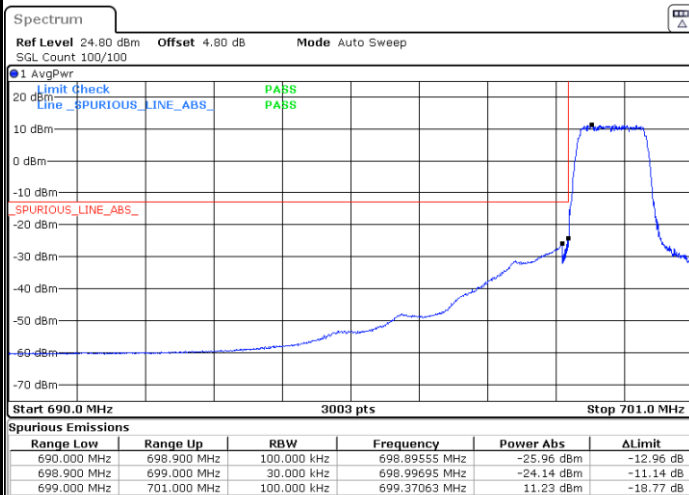
Lowest Band Edge / 1RB



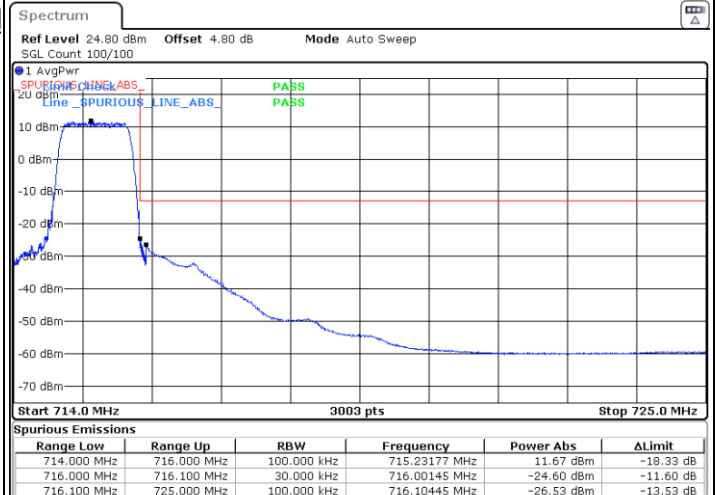
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



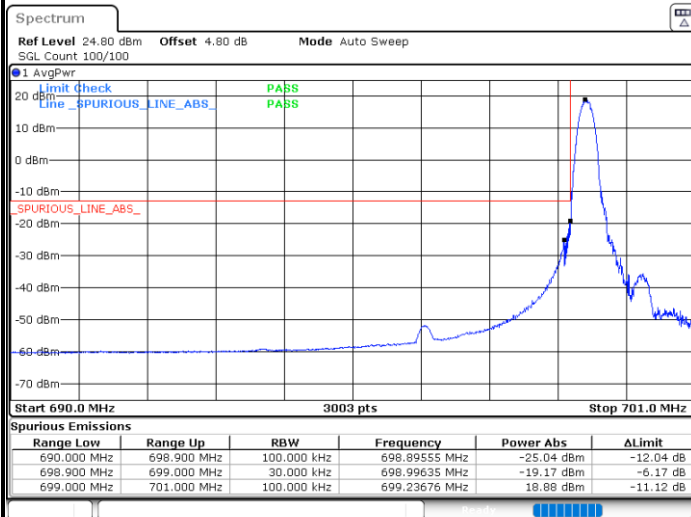
Highest Band Edge / Full RB



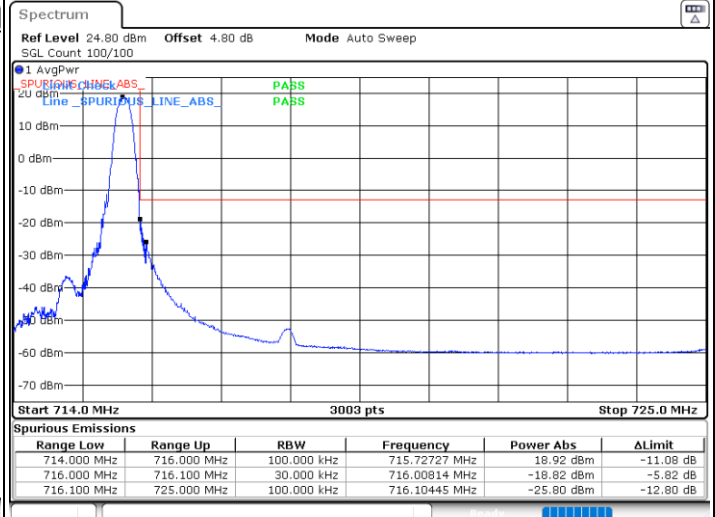


LTE Band 12 / 1.4MHz / 16QAM

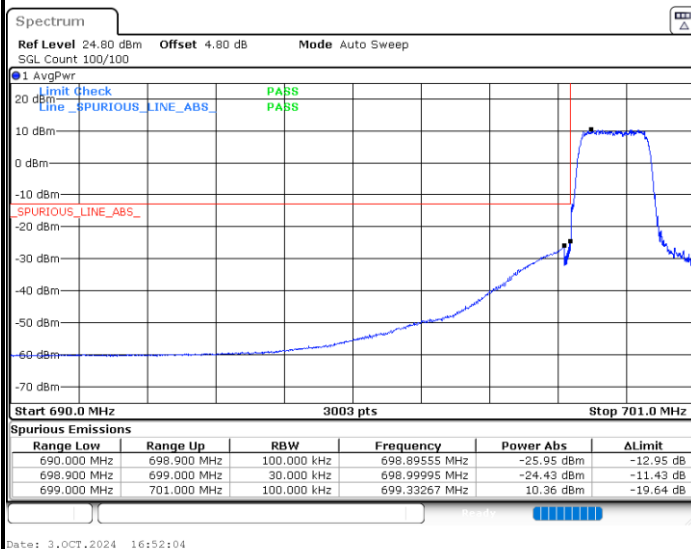
Lowest Band Edge / 1 RB



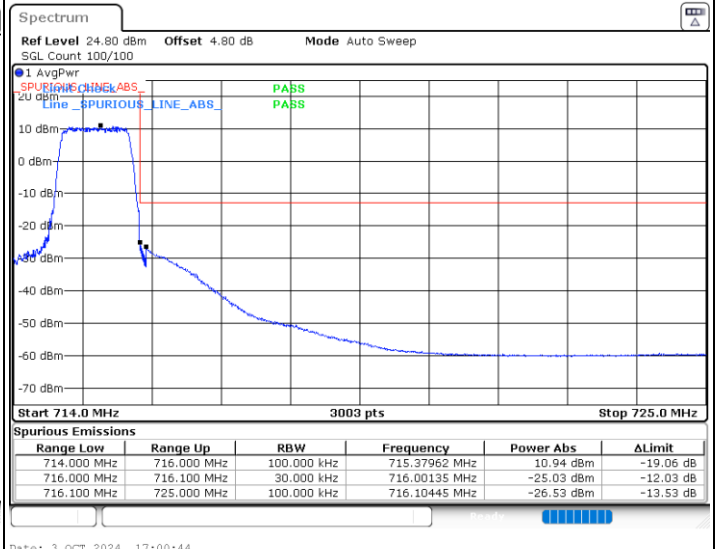
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



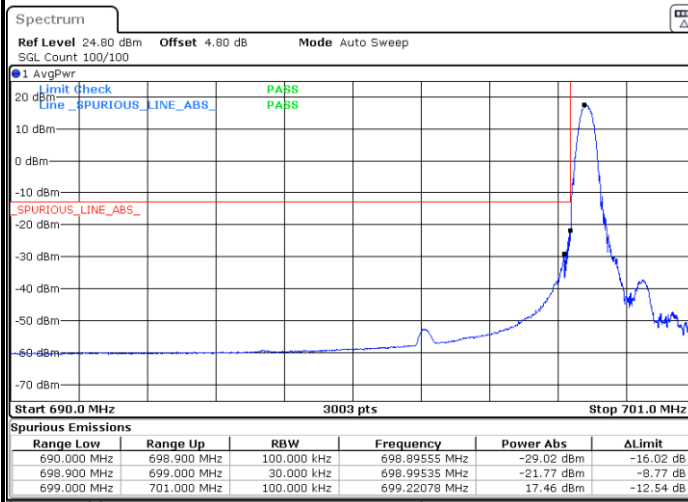
Highest Band Edge / Full RB



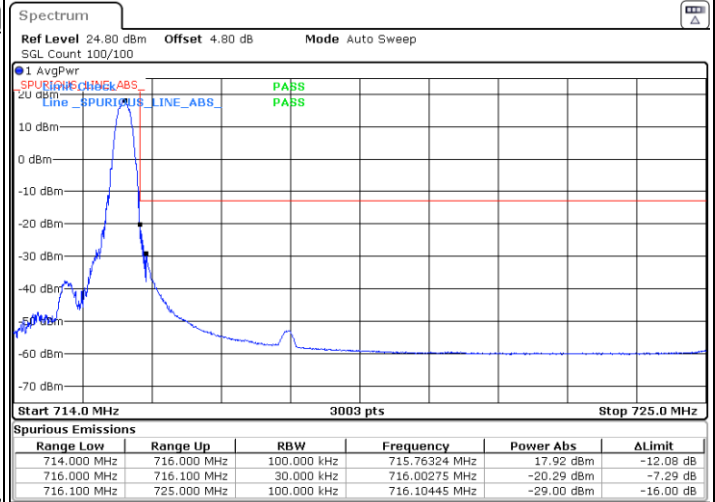


LTE Band 12 / 1.4MHz / 64QAM

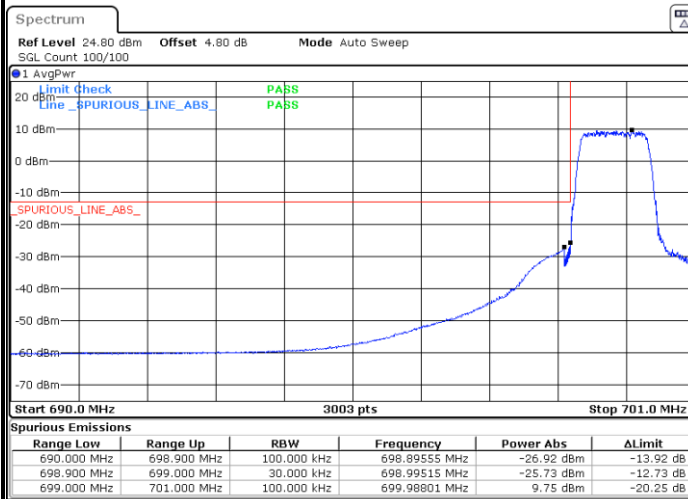
Lowest Band Edge / 1 RB



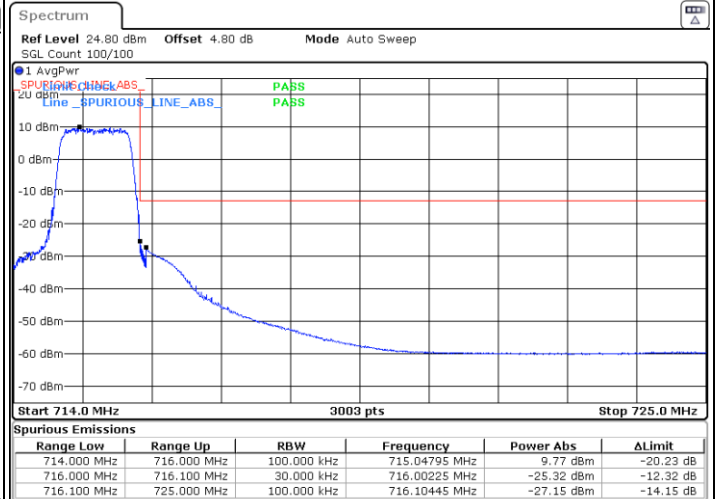
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



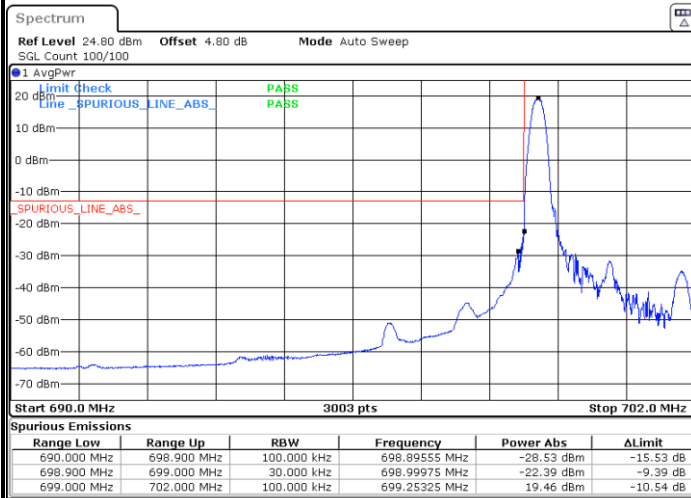
Highest Band Edge / Full RB



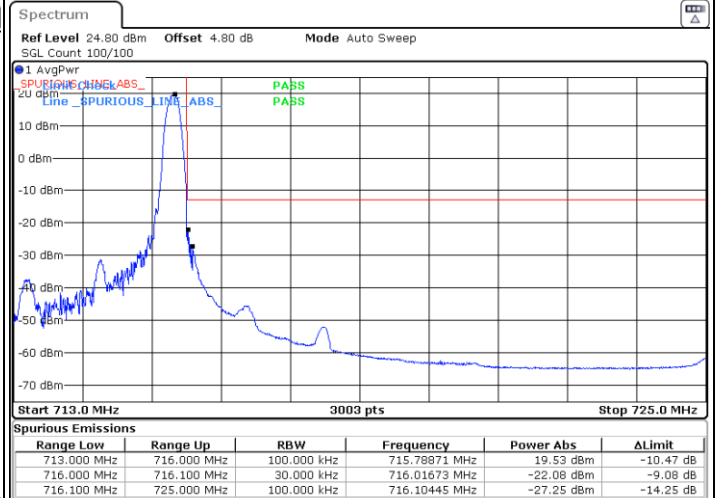


LTE Band 12 / 3MHz / QPSK

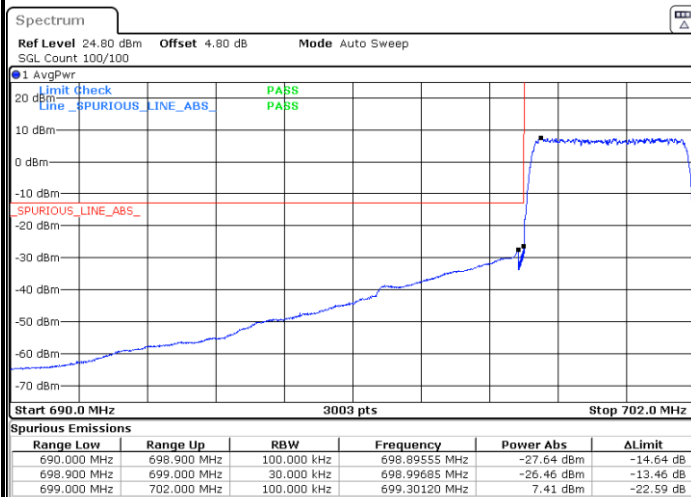
Lowest Band Edge / 1RB



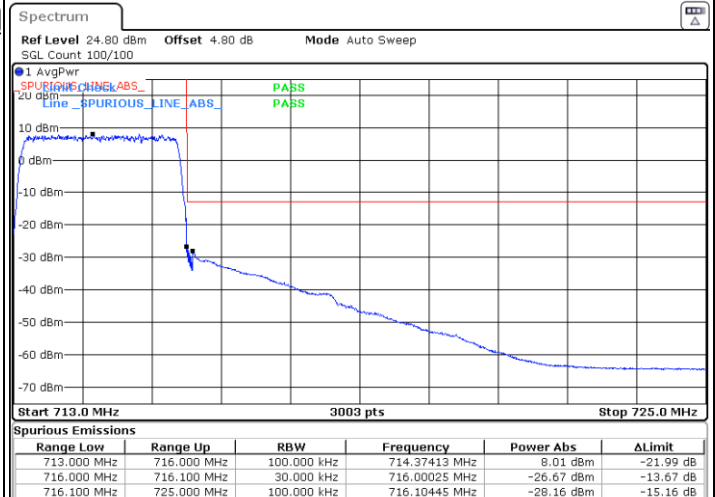
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



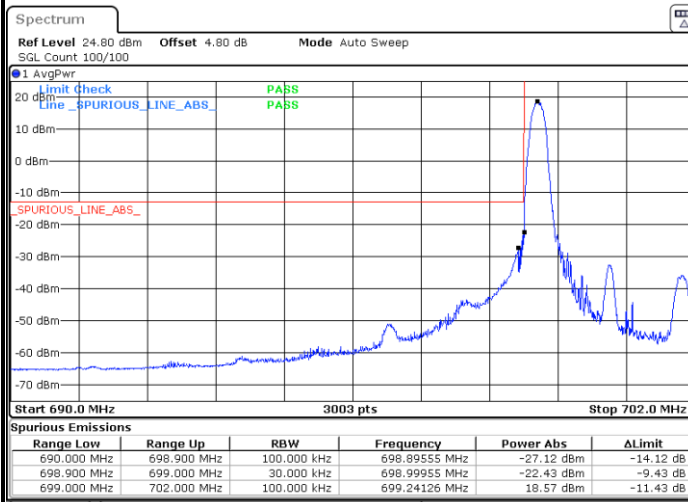
Highest Band Edge / Full RB



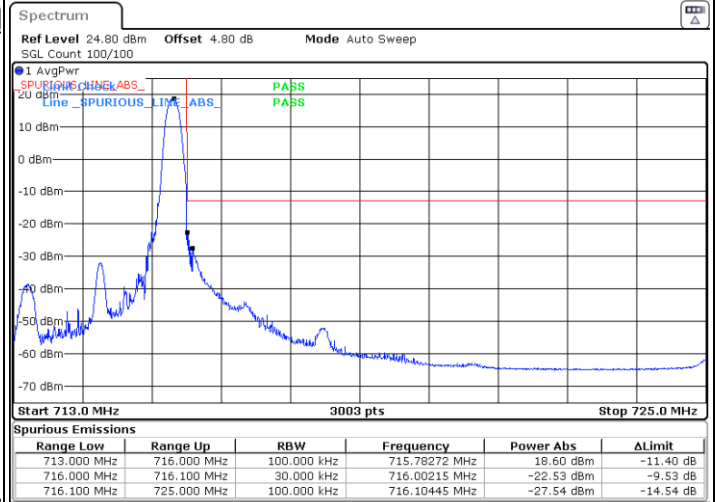


LTE Band 12 / 3MHz / 16QAM

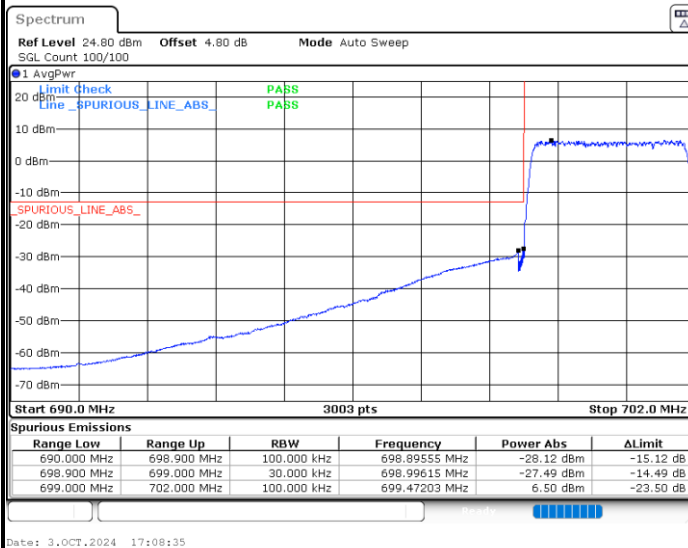
Lowest Band Edge / 1 RB



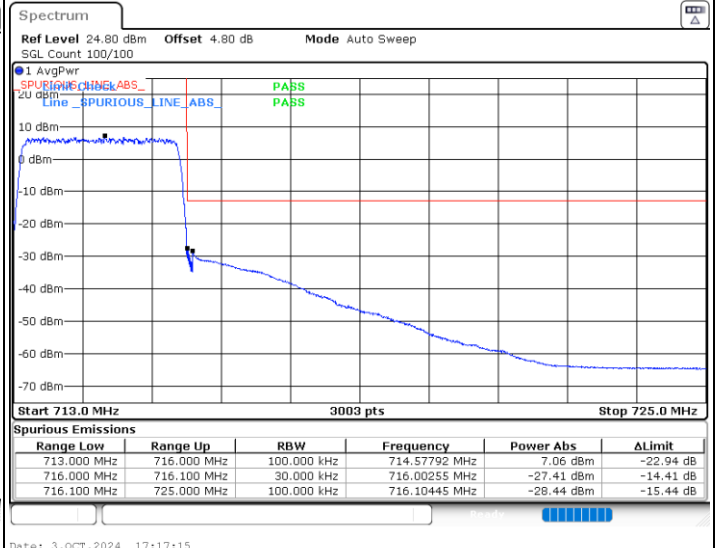
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



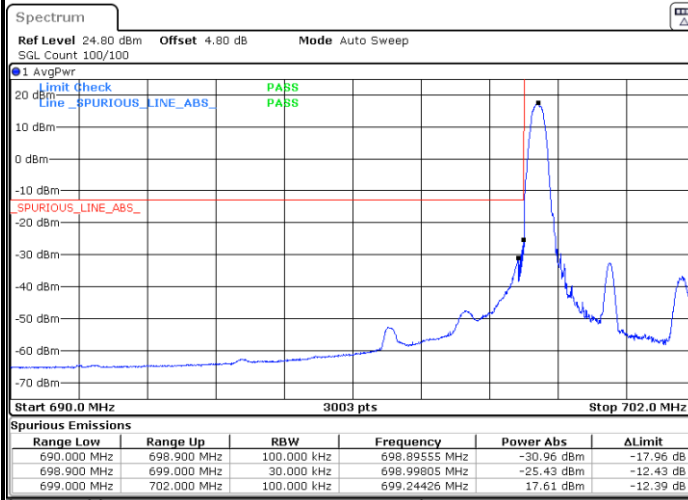
Highest Band Edge / Full RB



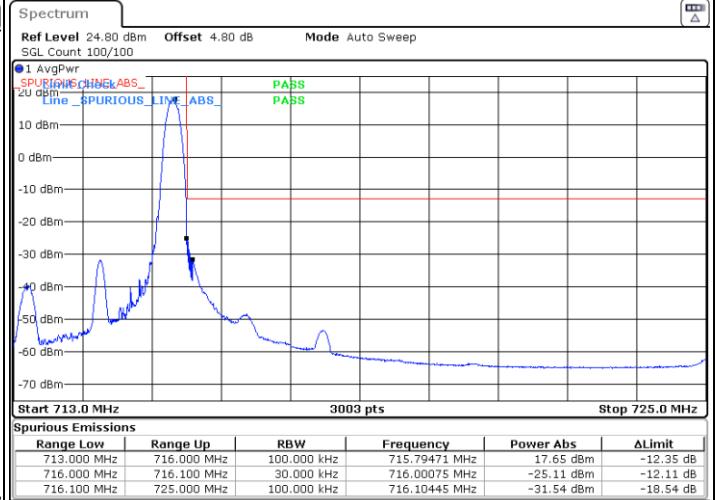


LTE Band 12 / 3MHz / 64QAM

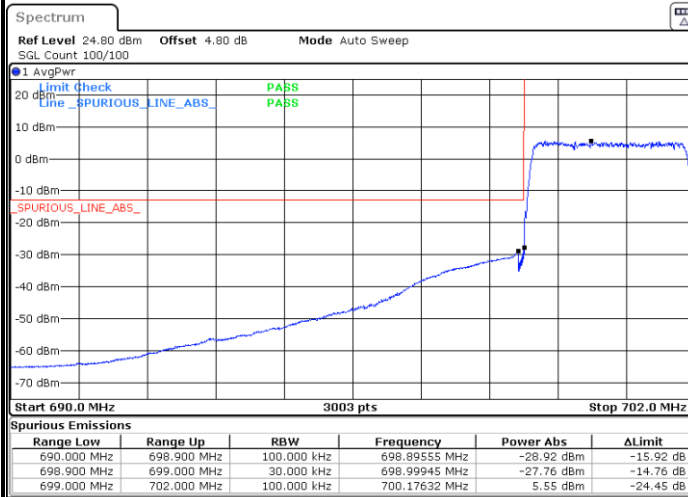
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



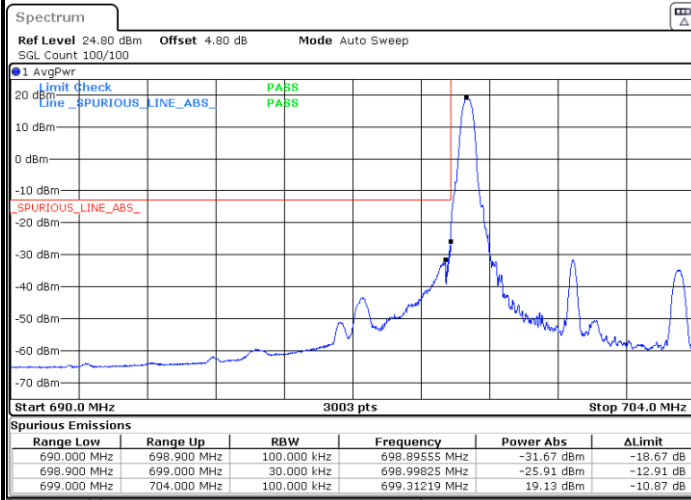
Highest Band Edge / Full RB



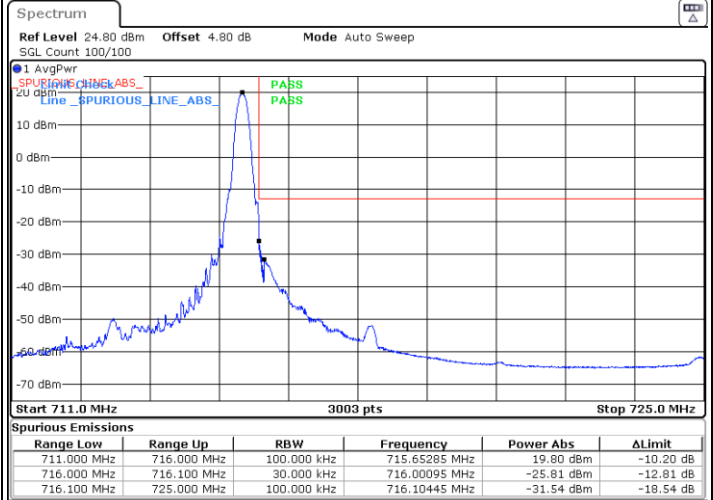


LTE Band 12 / 5MHz / QPSK

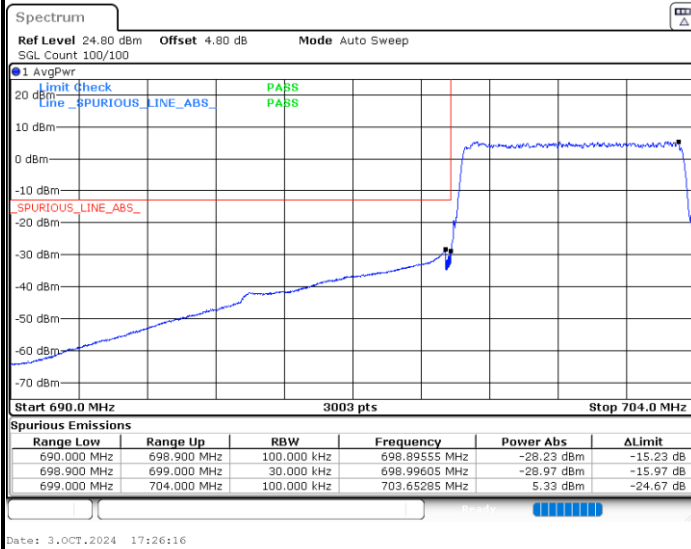
Lowest Band Edge / 1 RB



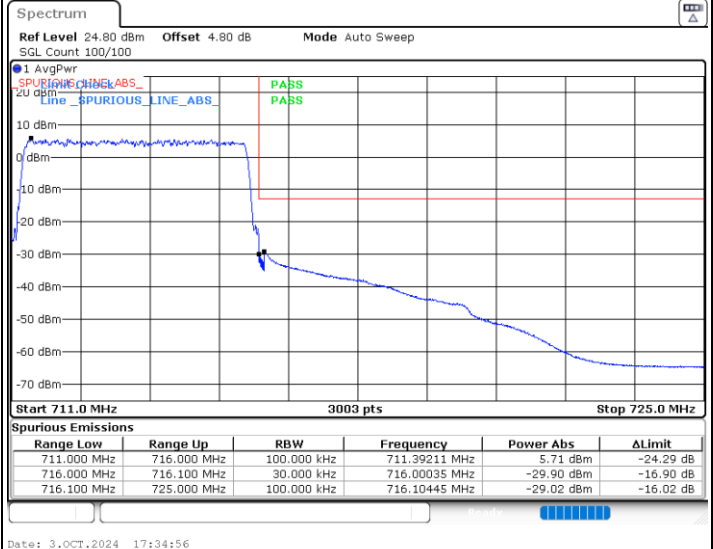
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



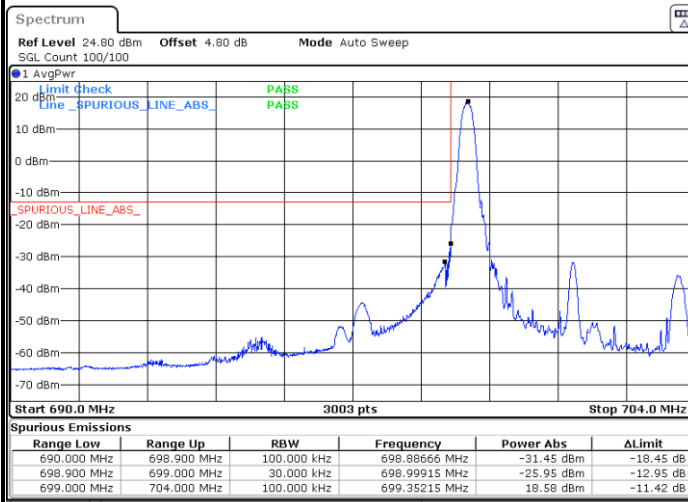
Highest Band Edge / Full RB



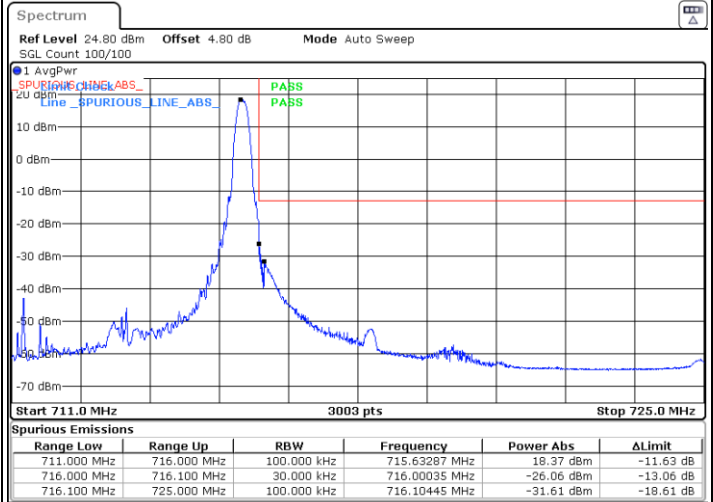


LTE Band 12 / 5MHz / 16QAM

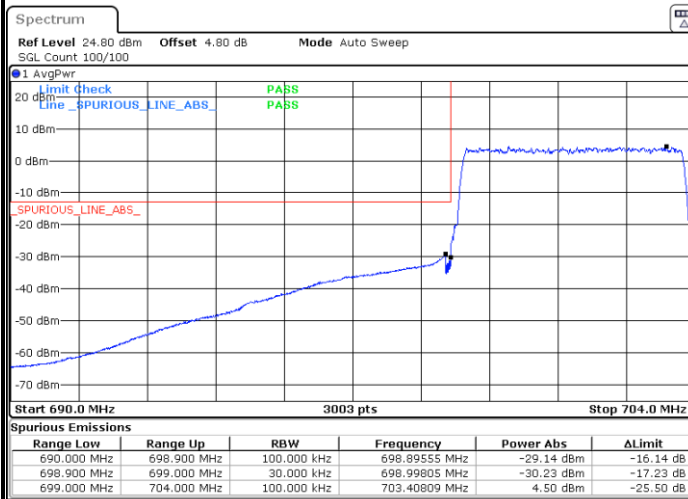
Lowest Band Edge / 1RB



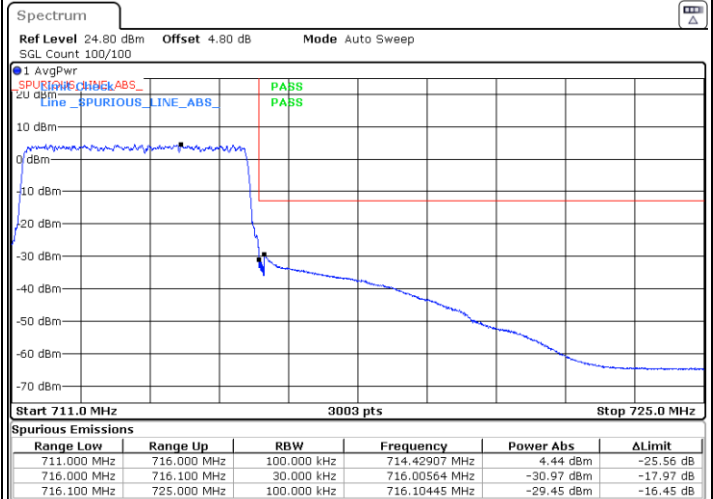
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



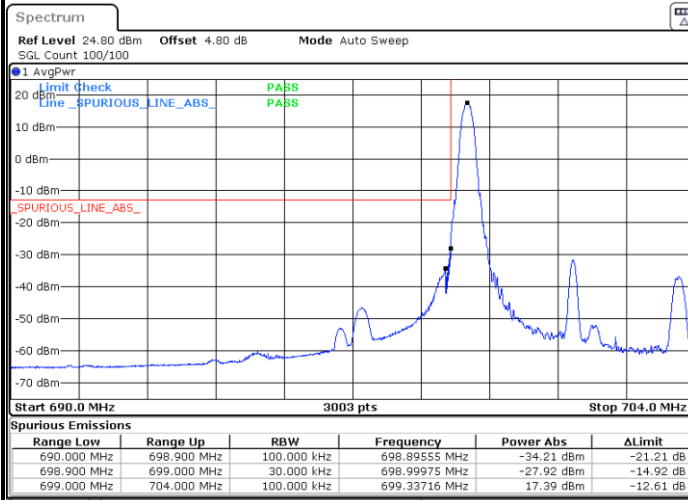
Highest Band Edge / Full RB



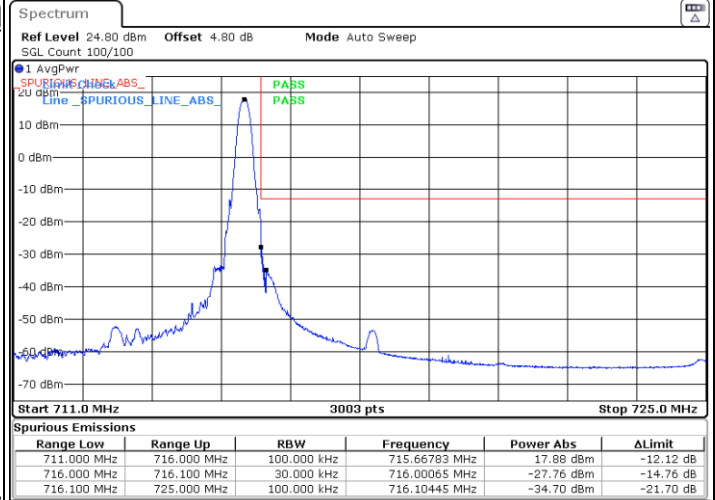


LTE Band 12 / 5MHz / 64QAM

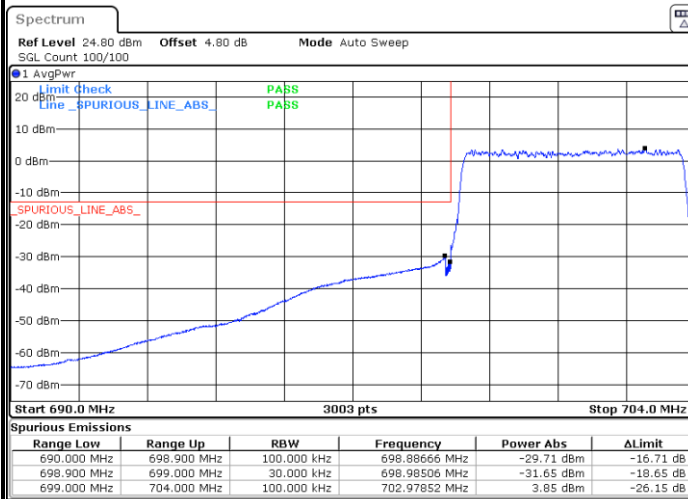
Lowest Band Edge / 1RB



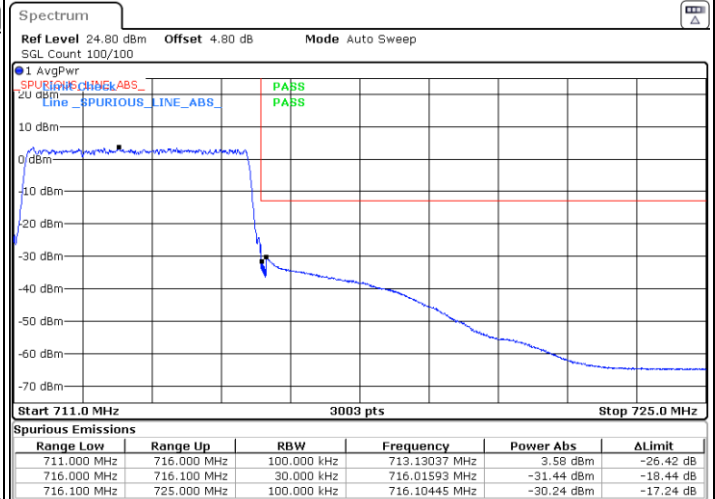
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



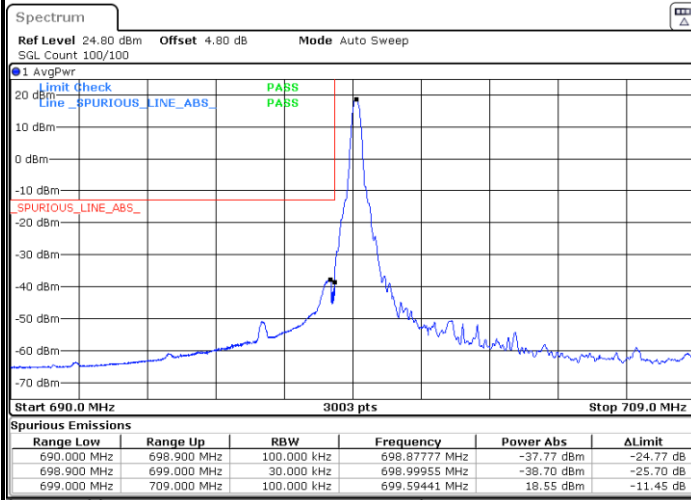
Highest Band Edge / Full RB



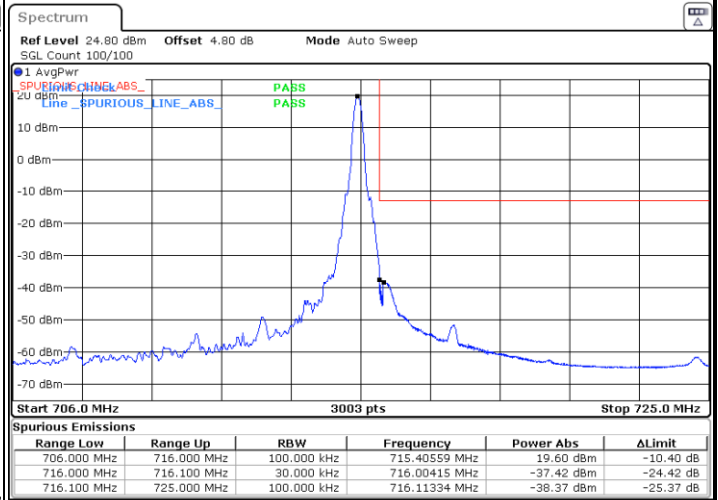


LTE Band 12 / 10MHz / QPSK

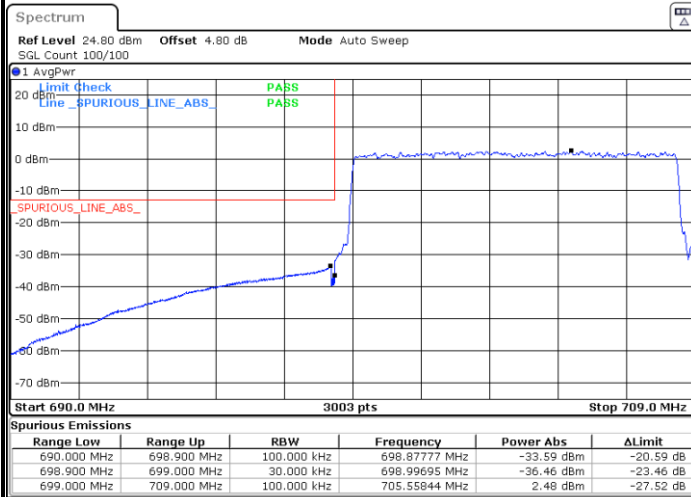
Lowest Band Edge / 1 RB



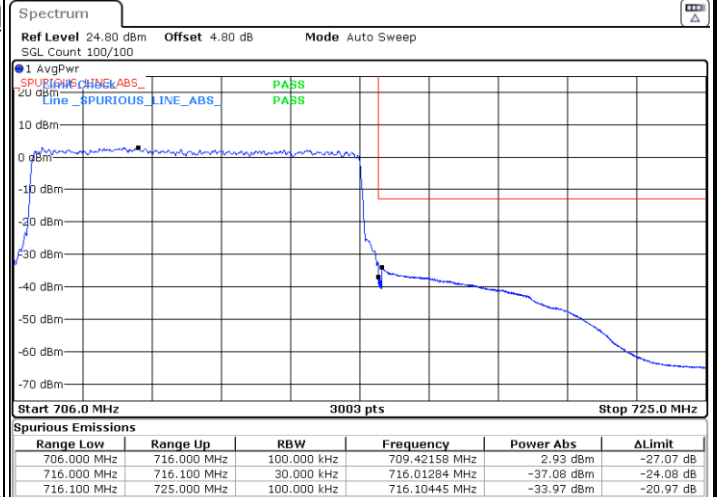
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



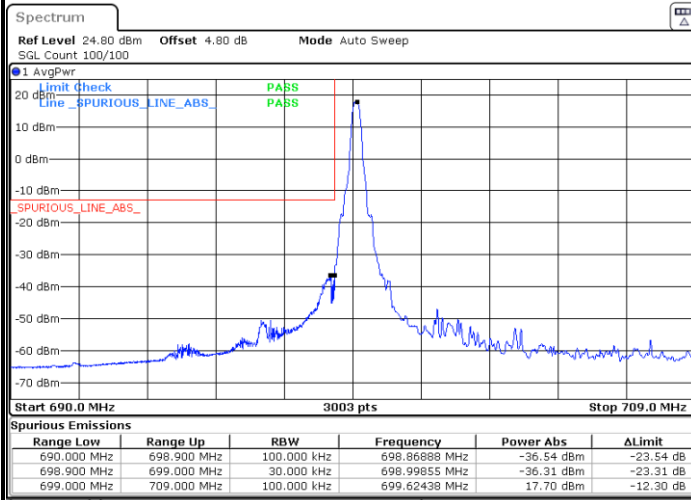
Highest Band Edge / Full RB



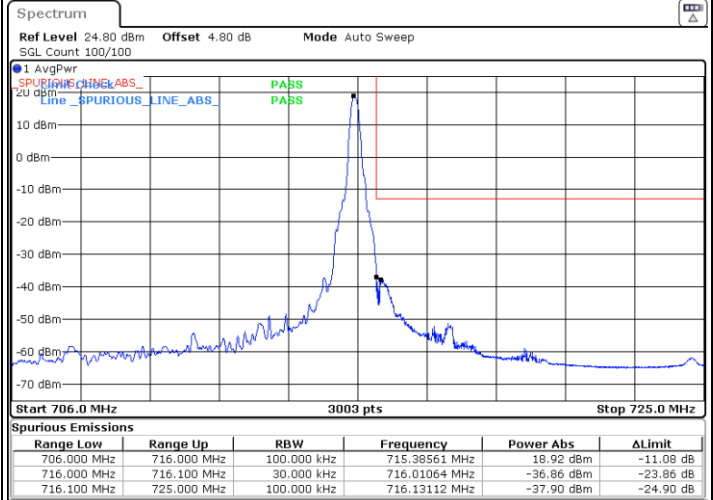


LTE Band 12 / 10MHz / 16QAM

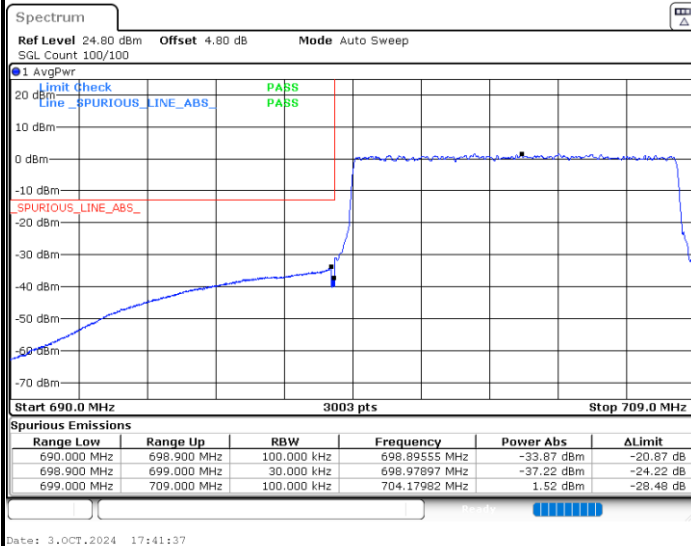
Lowest Band Edge / 1 RB



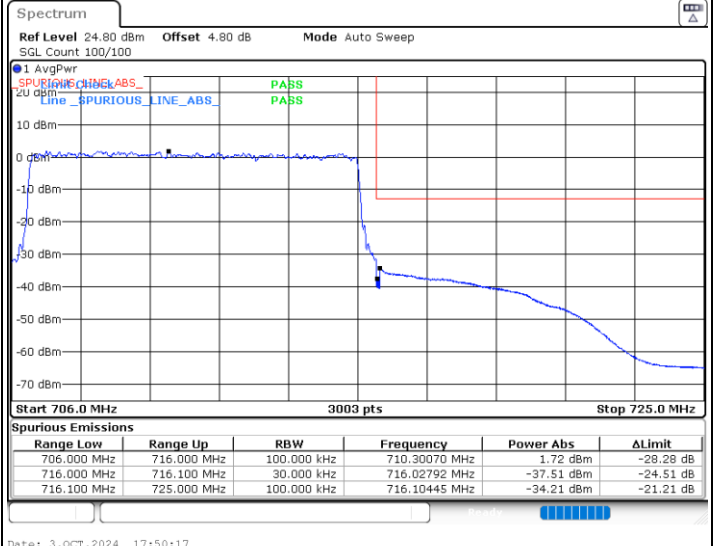
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



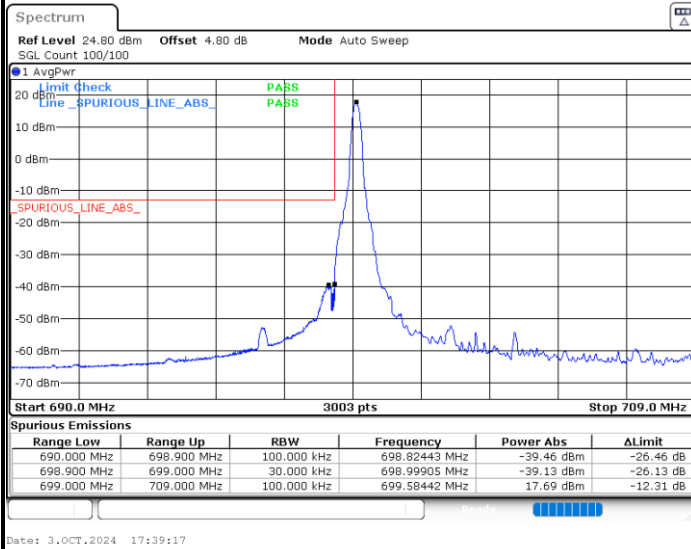
Highest Band Edge / Full RB



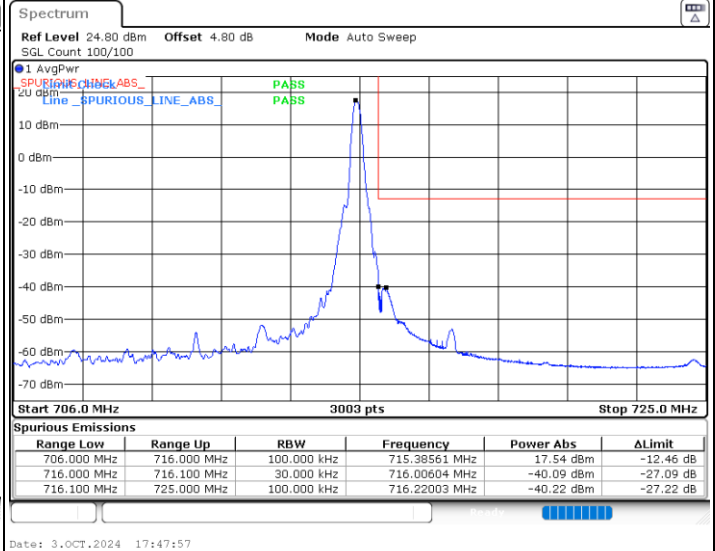


LTE Band 12 / 10MHz / 64QAM

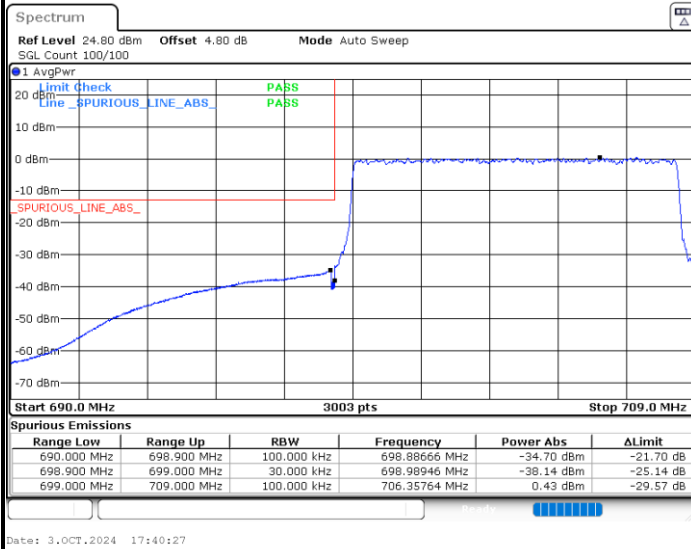
Lowest Band Edge / 1 RB



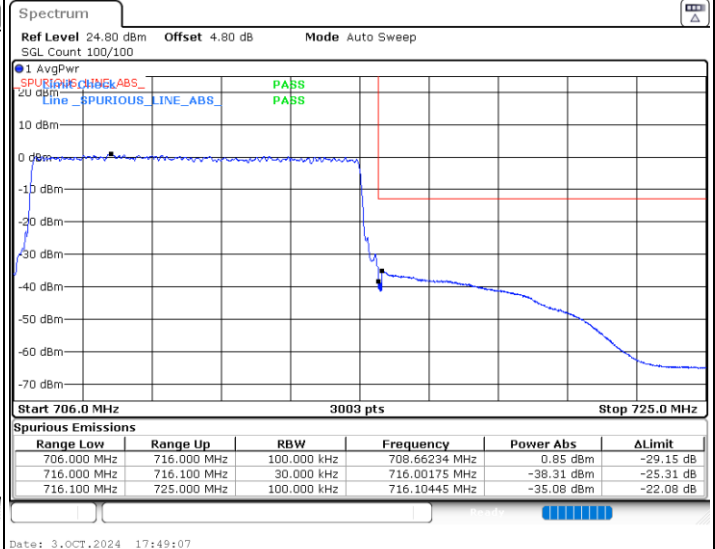
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

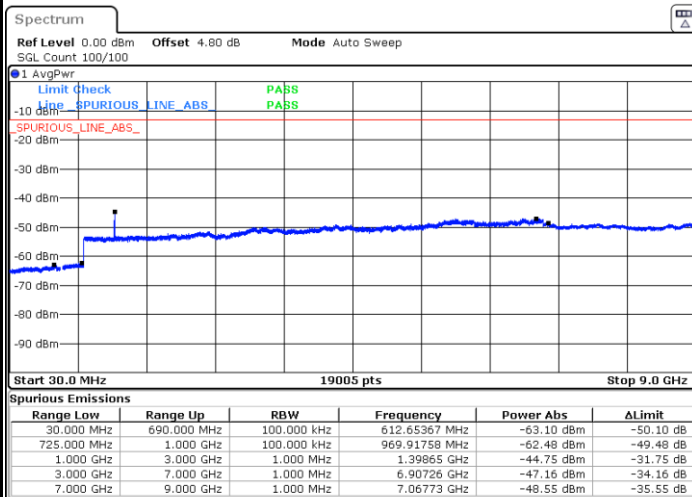




Conducted Spurious Emission

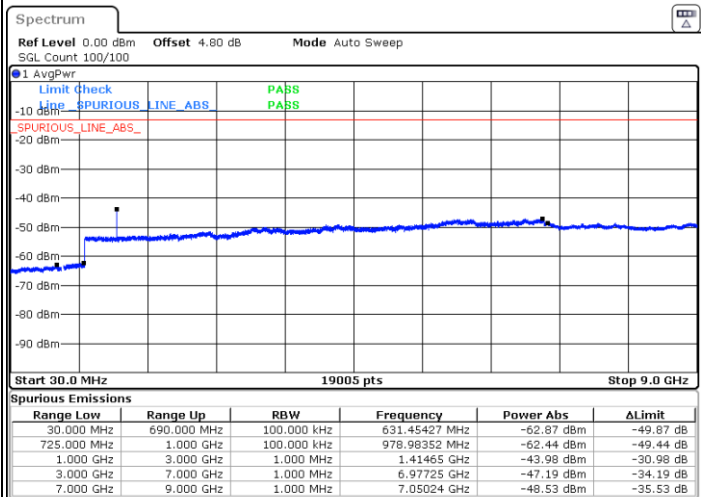
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



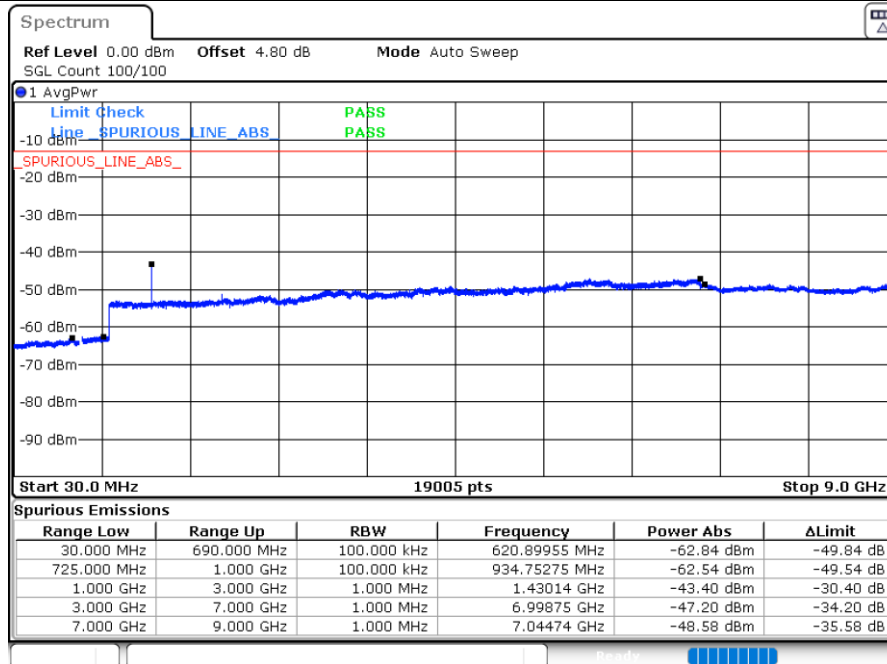
Date: 3.OCT.2024 16:46:13

Middle Channel / QPSK



Date: 3.OCT.2024 16:54:04

Highest Channel / QPSK



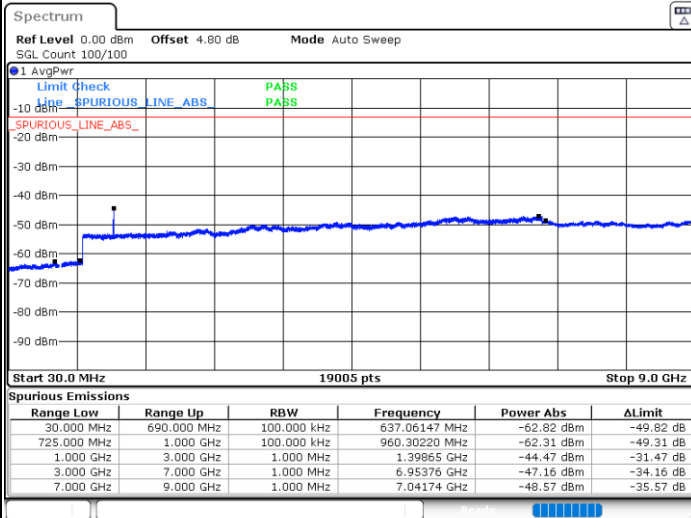
Date: 3.OCT.2024 16:54:54



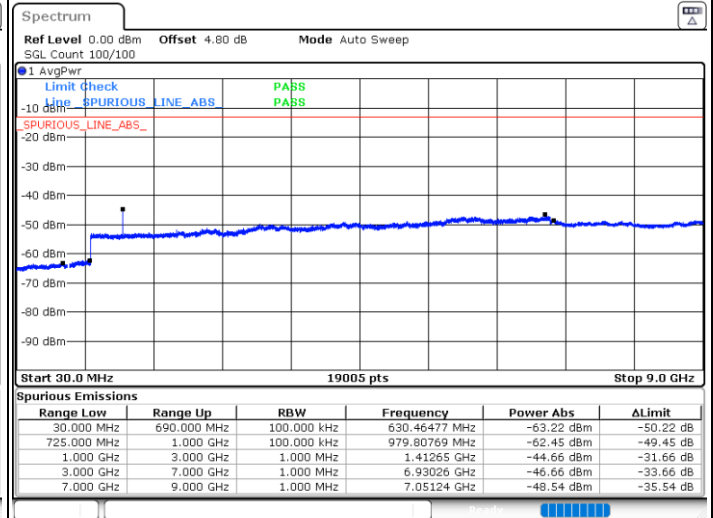
LTE Band 12 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

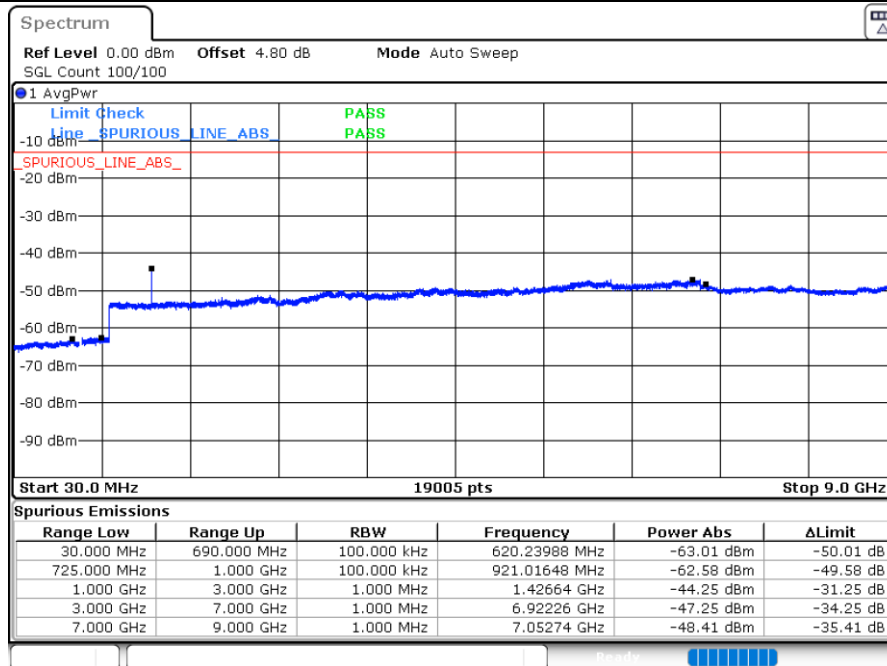


Date: 3.OCT.2024 17:02:44



Date: 3.OCT.2024 17:10:35

Highest Channel / QPSK

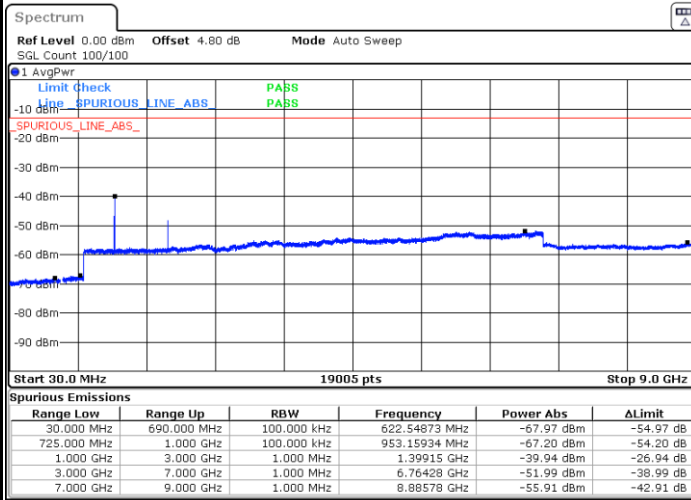


Date: 3.OCT.2024 17:11:25



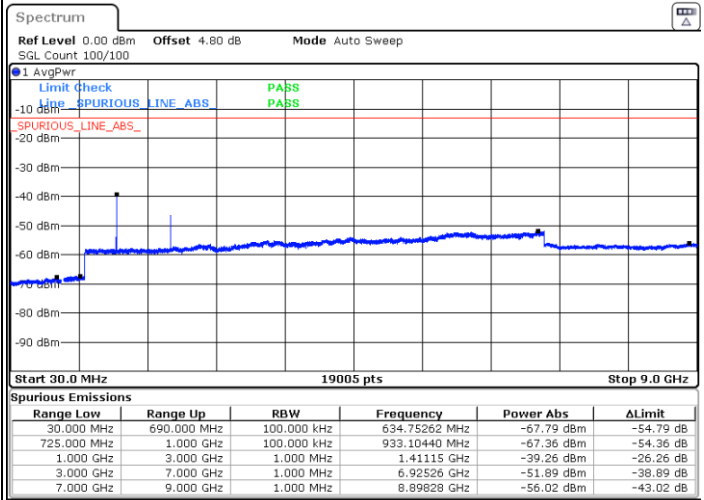
LTE Band 12 / 5MHz

Lowest Channel / QPSK



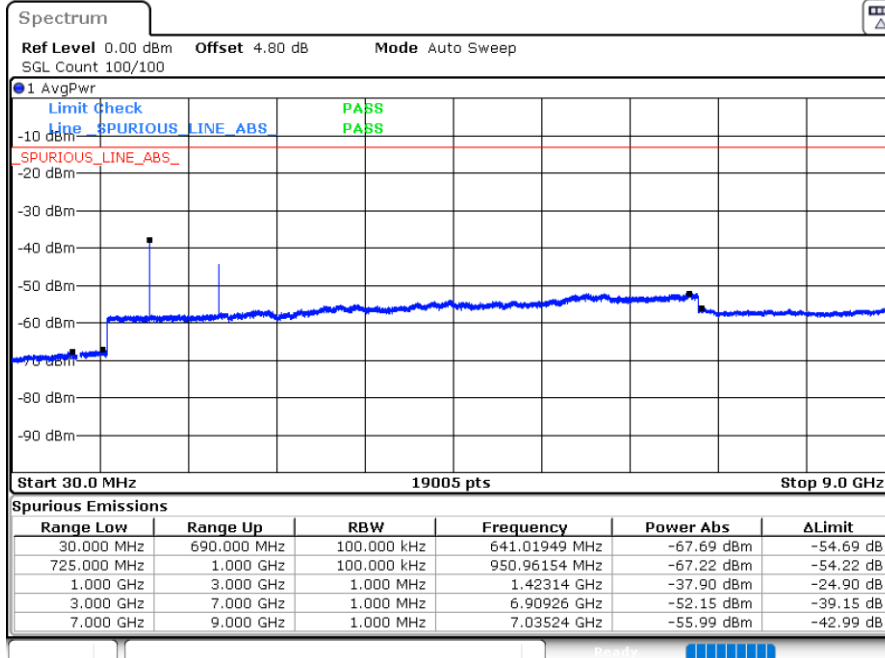
Date: 3.OCT.2024 17:19:15

Middle Channel / QPSK



Date: 3.OCT.2024 17:27:05

Highest Channel / QPSK

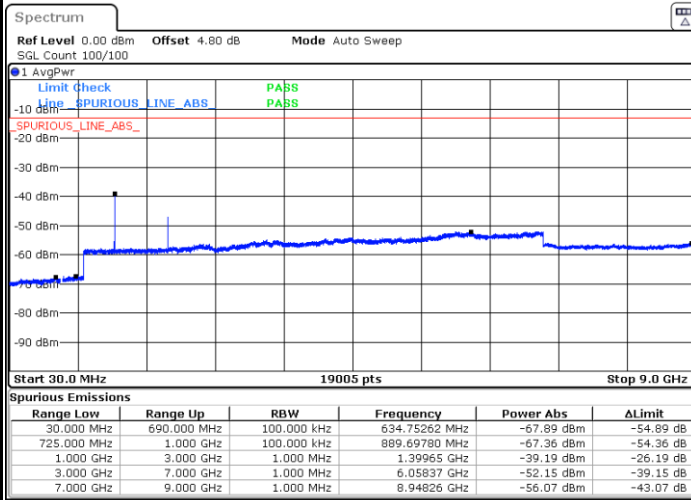


Date: 3.OCT.2024 17:27:55



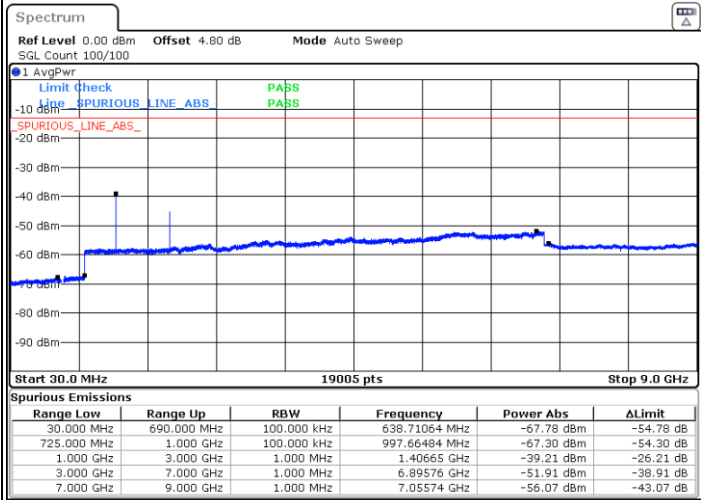
LTE Band 12 / 10MHz

Lowest Channel / QPSK



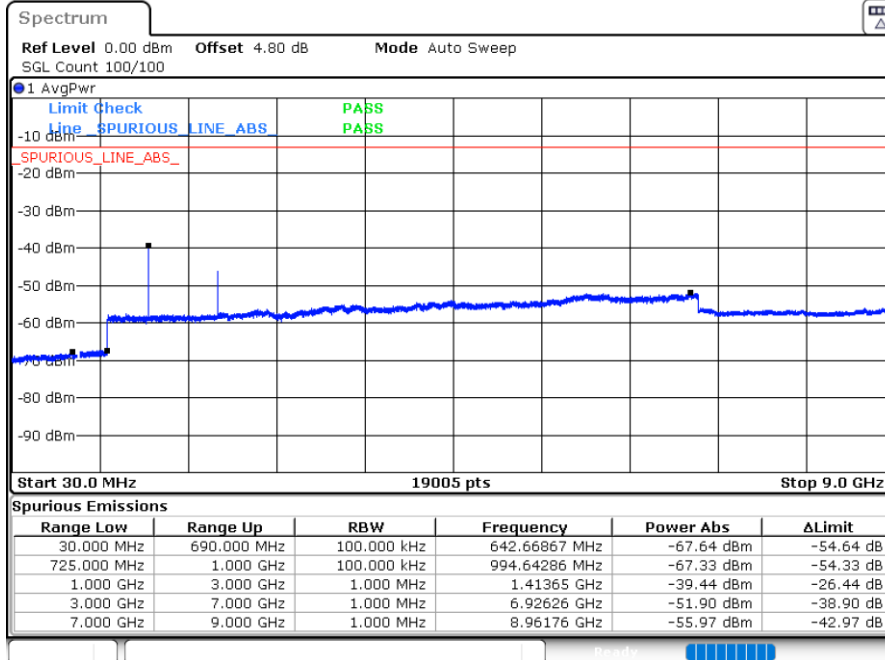
Date: 3.OCT.2024 17:35:47

Middle Channel / QPSK



Date: 3.OCT.2024 17:43:37

Highest Channel / QPSK



Date: 3.OCT.2024 17:44:27

**Frequency Stability**

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0029	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0046	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0007	
20	Battery End Point	0.0013	

Note:

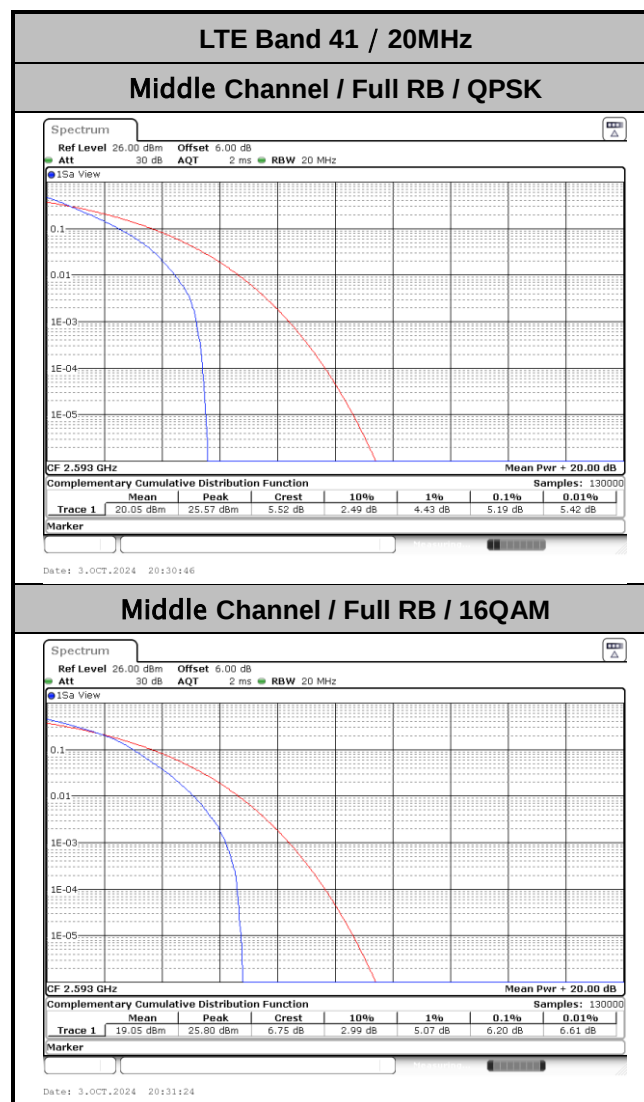
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.40 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

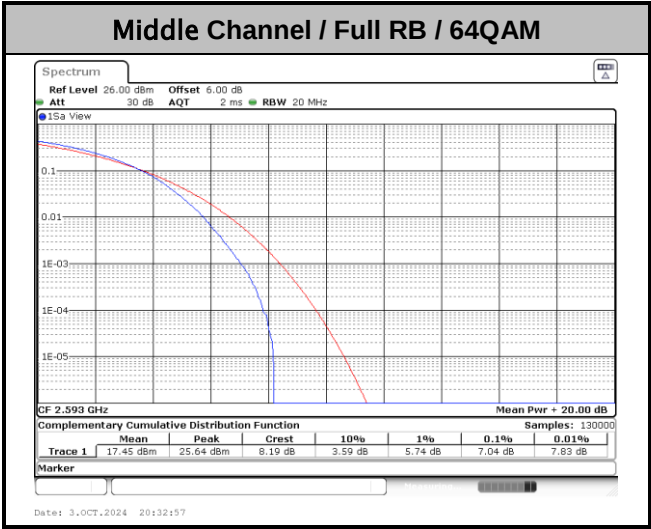


LTE Band 41

Peak-to-Average Ratio

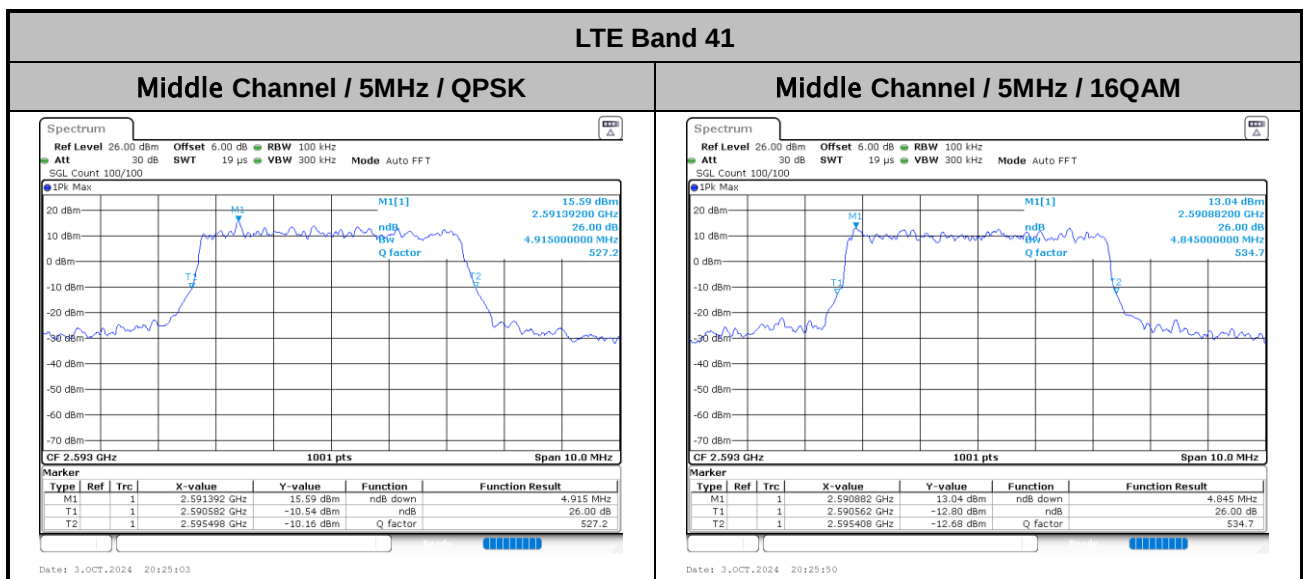
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.19	6.20	7.04	PASS





**26dB Bandwidth**

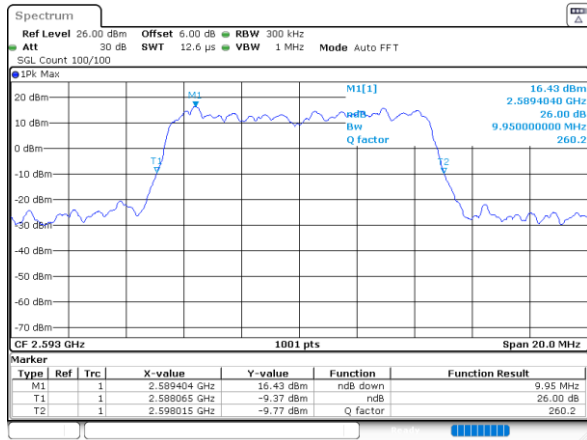
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.915	4.845
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.95	9.71
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.595	14.565
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.901	19.141





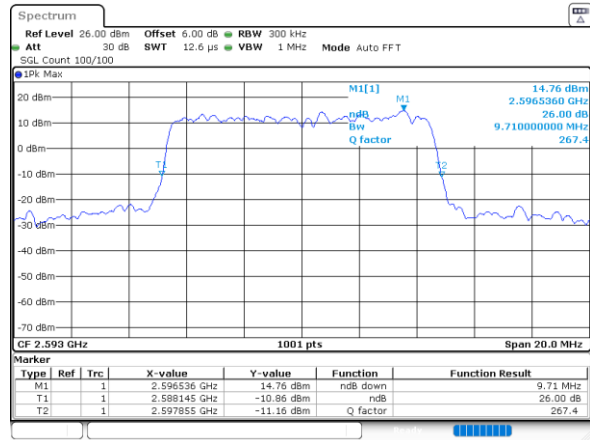
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 3.OCT.2024 20:26:39

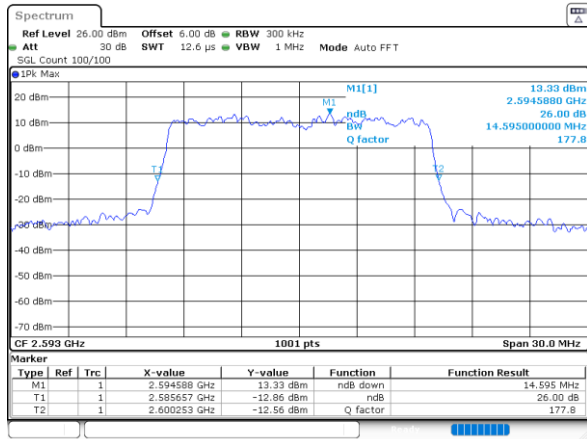
Middle Channel / 10MHz / 16QAM



Date: 3.OCT.2024 20:27:29

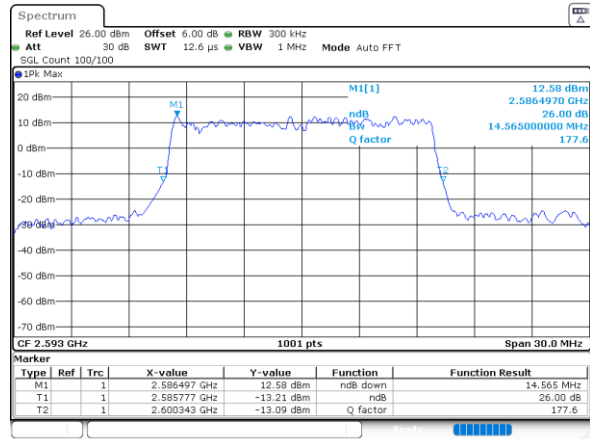
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 3.OCT.2024 20:28:20

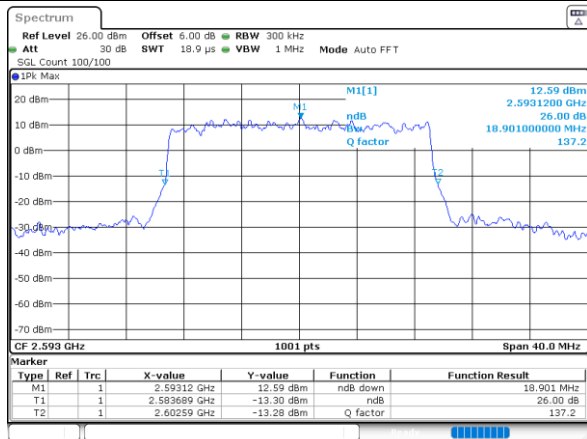
Middle Channel / 15MHz / 16QAM



Date: 3.OCT.2024 20:29:16

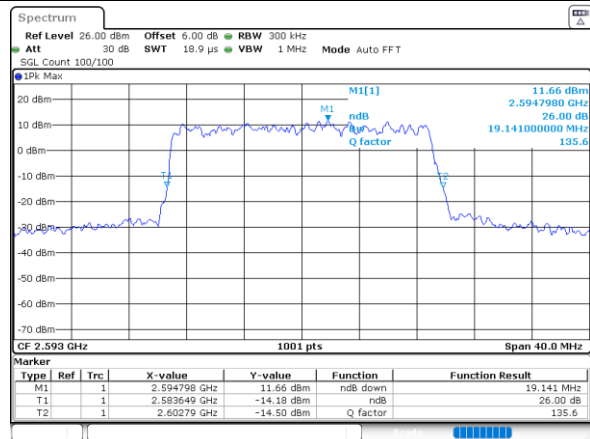
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 3.OCT.2024 20:29:47

Middle Channel / 20MHz / 16QAM

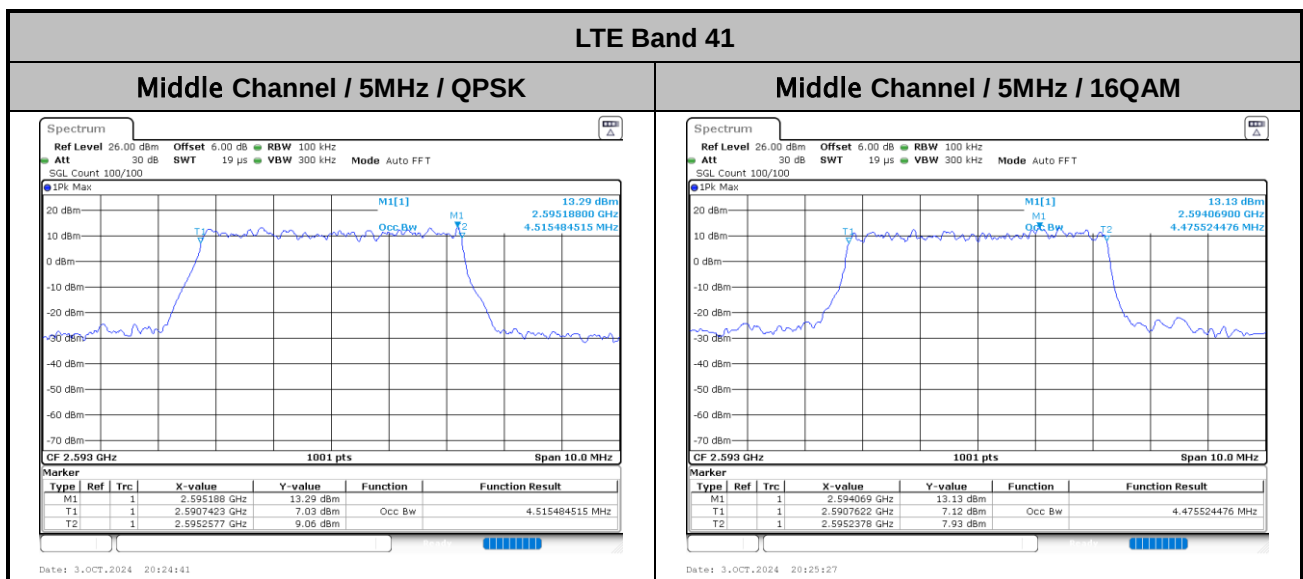


Date: 3.OCT.2024 20:32:06



Occupied Bandwidth

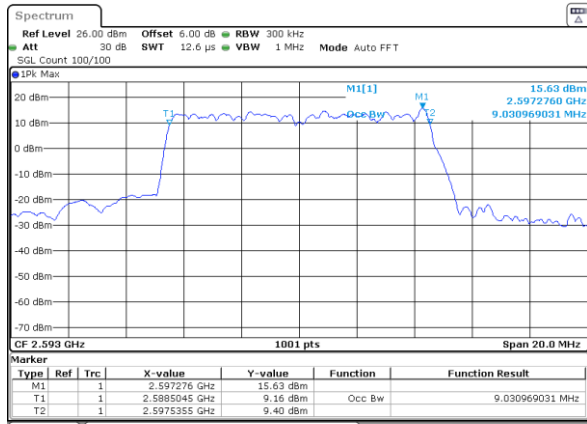
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.52	4.48
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.05
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.40
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.82	17.86





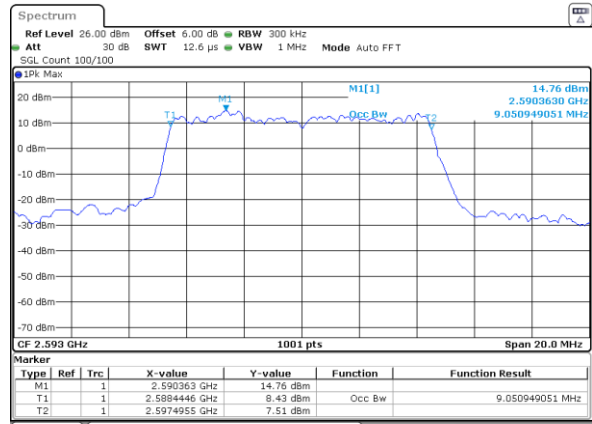
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 3.OCT.2024 20:26:18

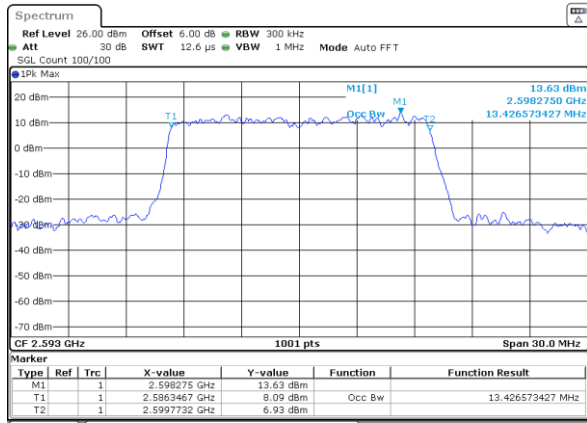
Middle Channel / 10MHz / 16QAM



Date: 3.OCT.2024 20:27:08

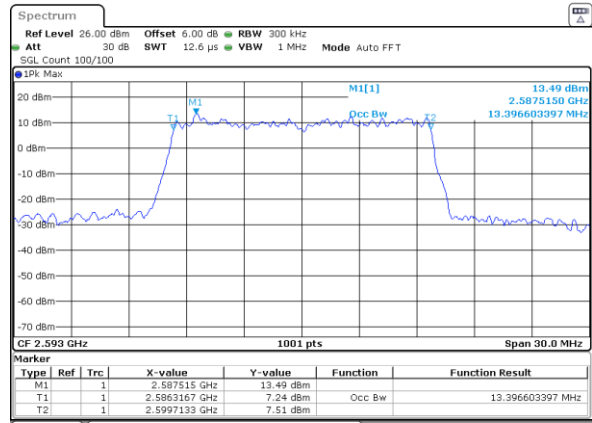
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 3.OCT.2024 20:27:58

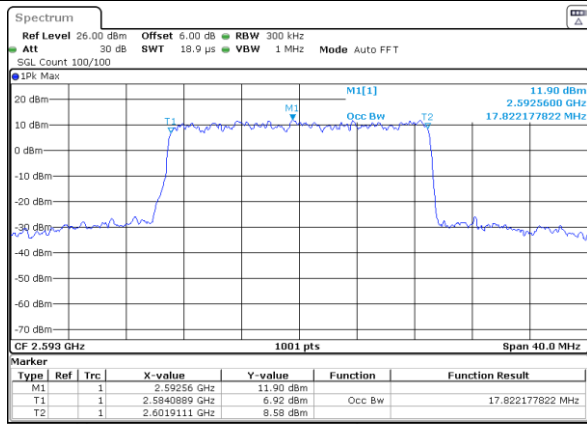
Middle Channel / 15MHz / 16QAM



Date: 3.OCT.2024 20:28:54

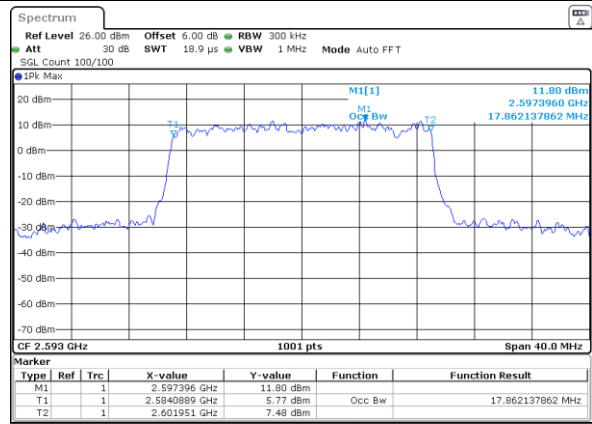
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 3.OCT.2024 20:30:23

Middle Channel / 20MHz / 16QAM



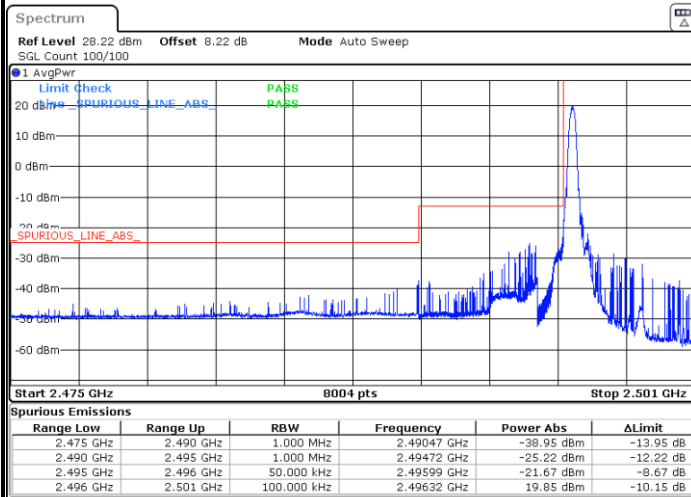
Date: 3.OCT.2024 20:31:45



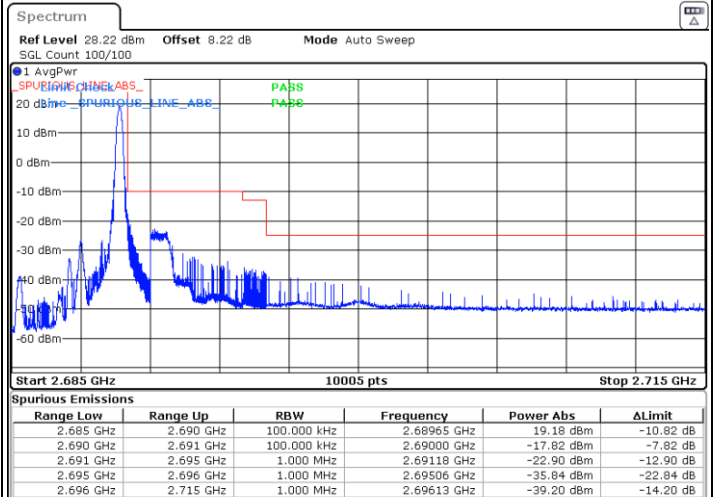
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

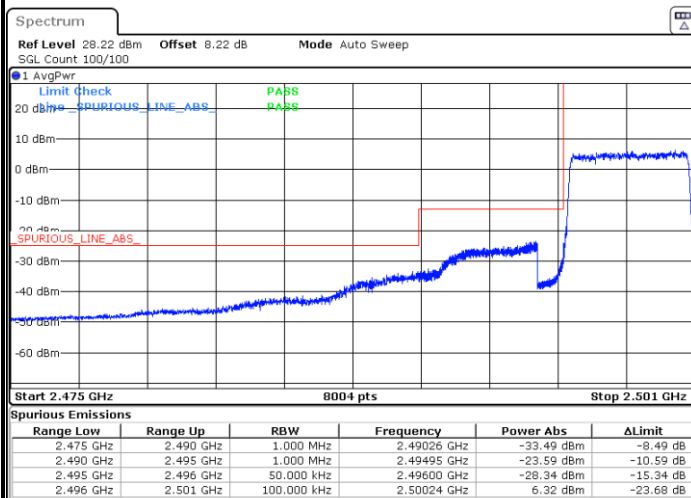
Lowest Band Edge / 1 RB



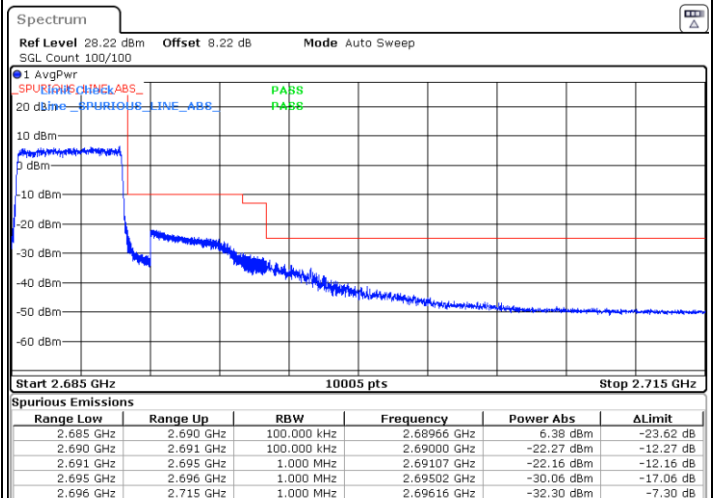
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



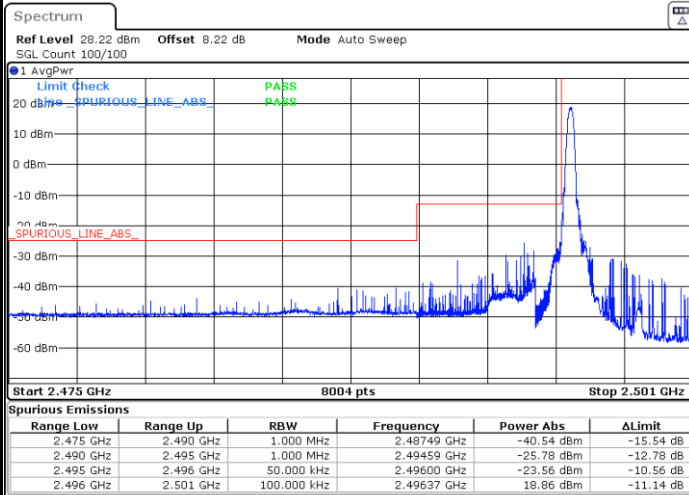
Highest Band Edge / Full RB



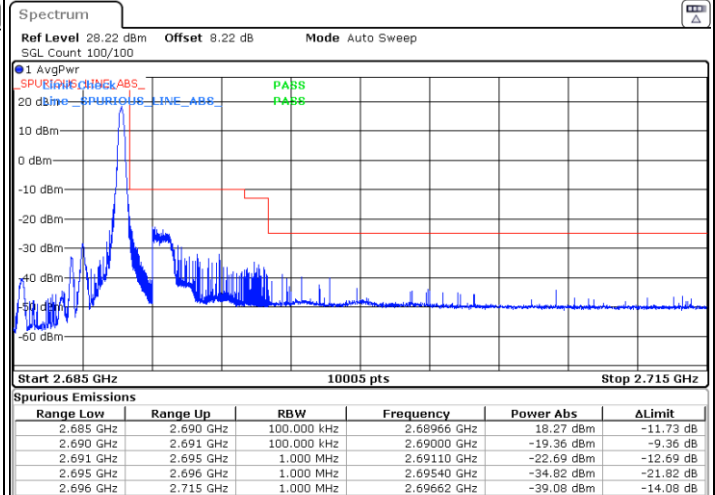


LTE Band 41 / 5MHz / 16QAM

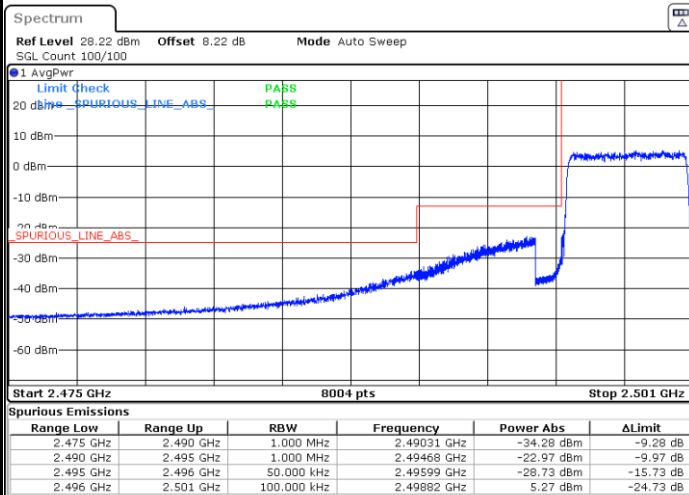
Lowest Band Edge / 1RB



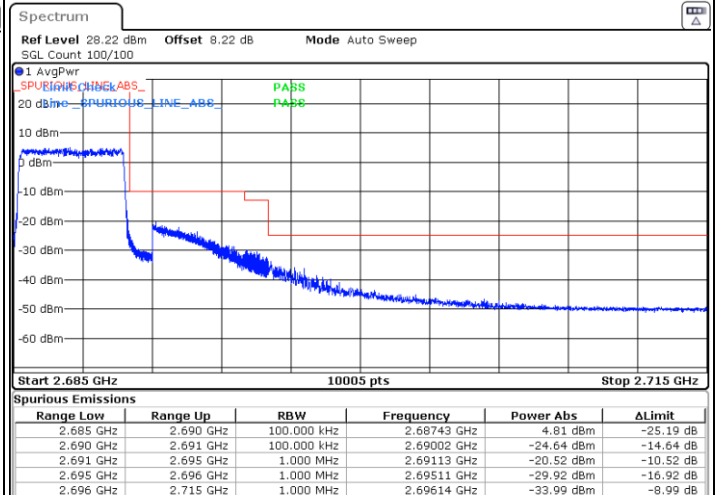
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



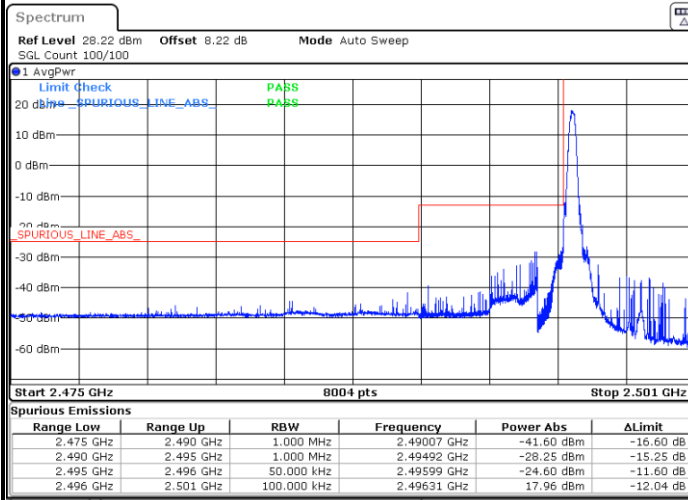
Highest Band Edge / Full RB





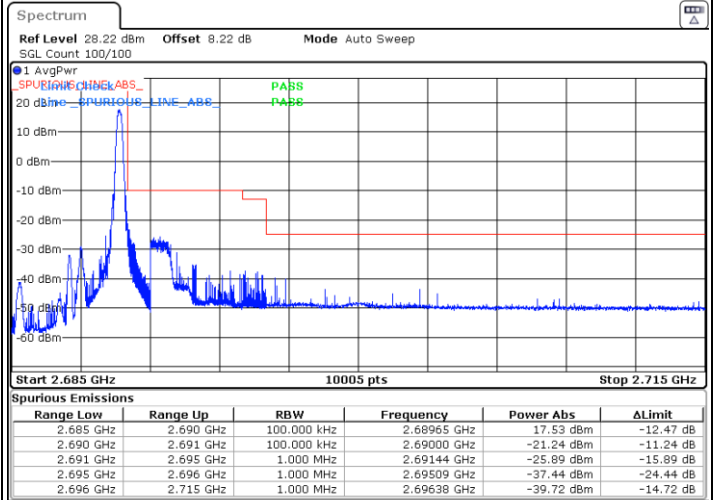
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



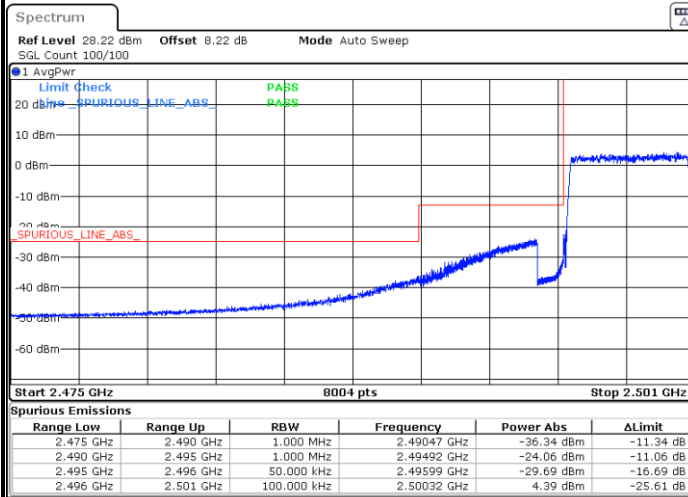
Date: 3.OCT.2024 18:43:13

Highest Band Edge / 1 RB



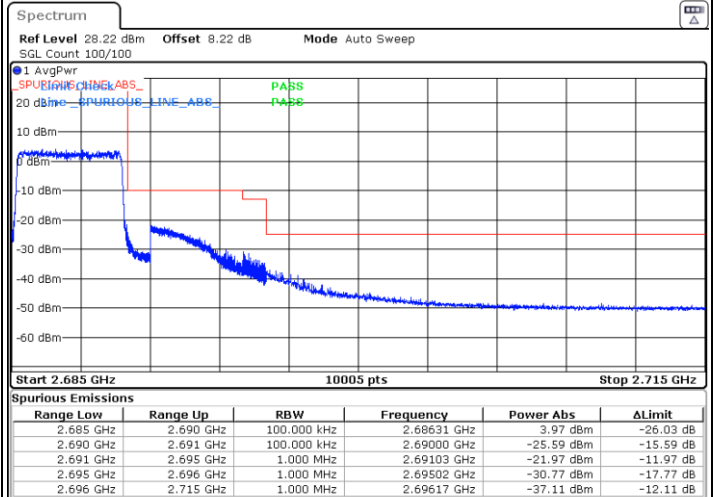
Date: 3.OCT.2024 18:45:35

Lowest Band Edge / Full RB



Date: 3.OCT.2024 18:44:24

Highest Band Edge / Full RB

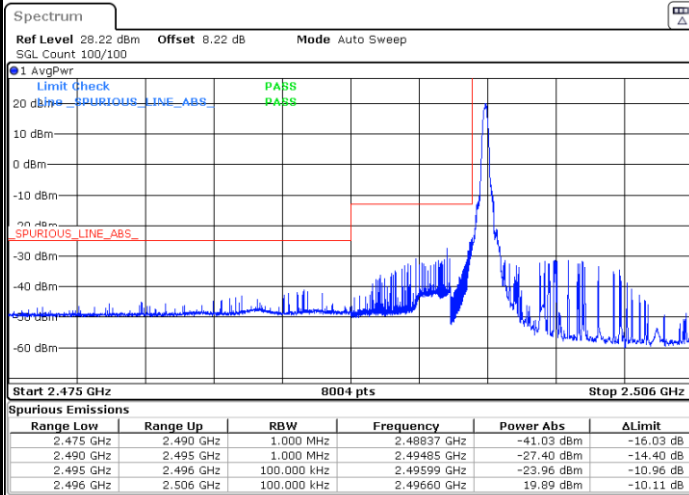


Date: 3.OCT.2024 18:46:46

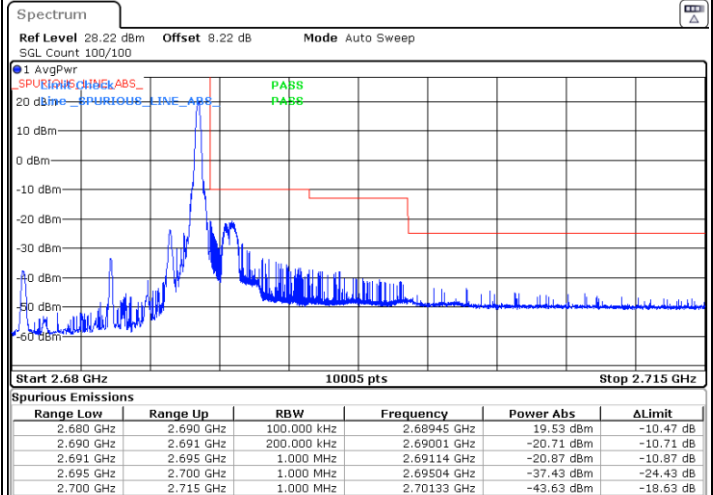


LTE Band 41 / 10MHz / QPSK

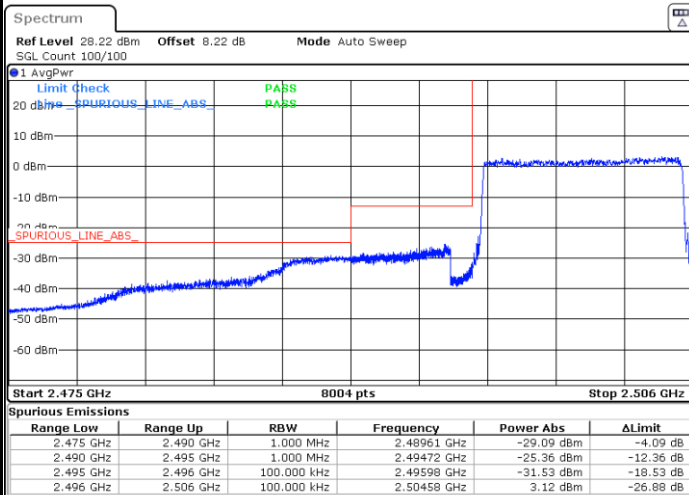
Lowest Band Edge / 1 RB



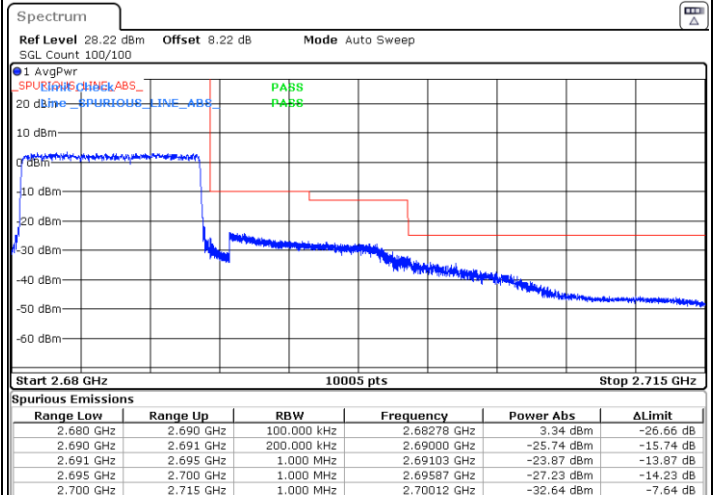
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



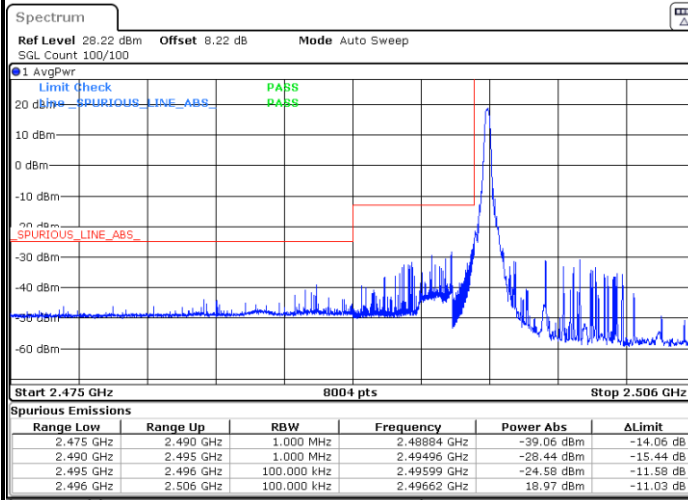
Highest Band Edge / Full RB



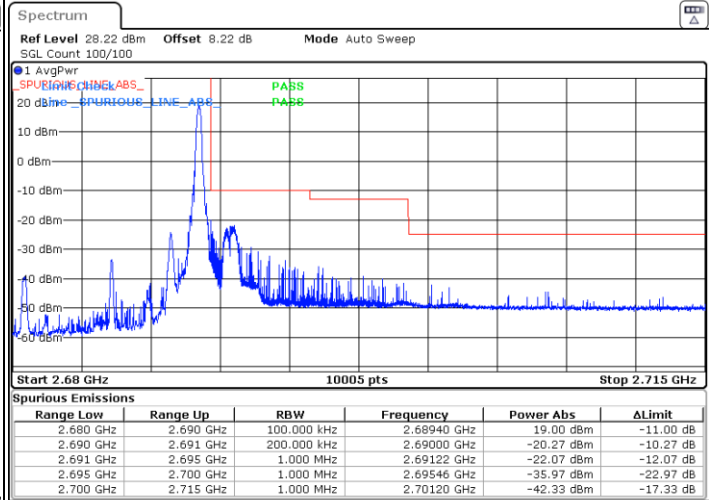


LTE Band 41 / 10MHz / 16QAM

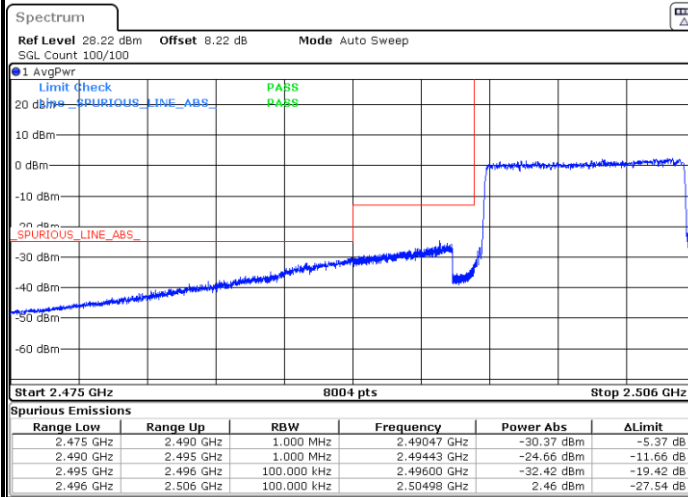
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

