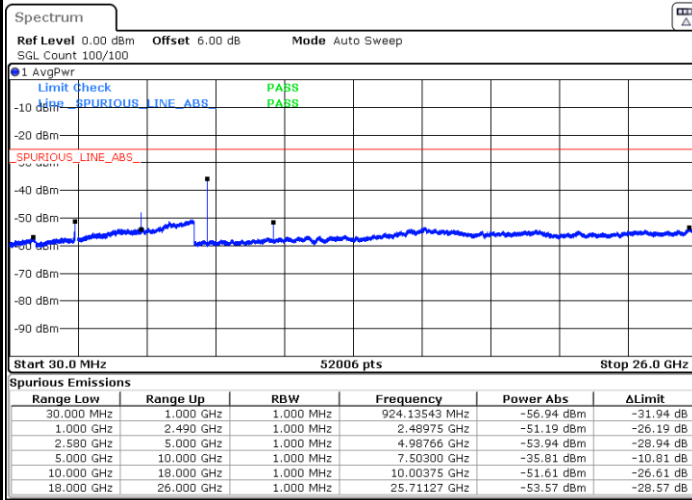




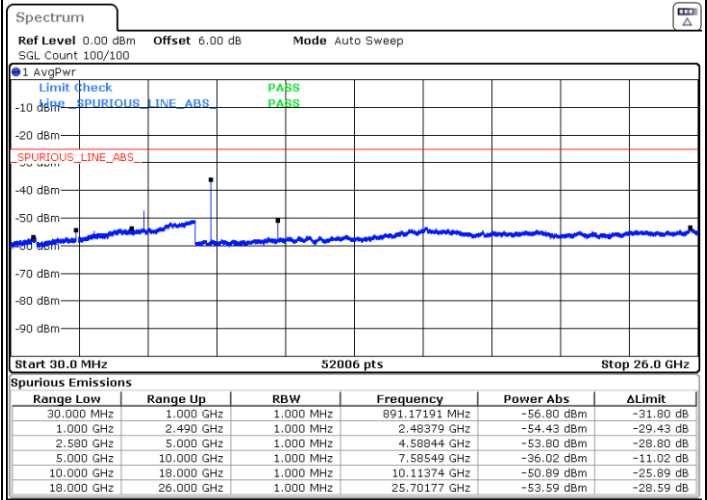
LTE Band 7 / 15MHz

Lowest Channel / QPSK



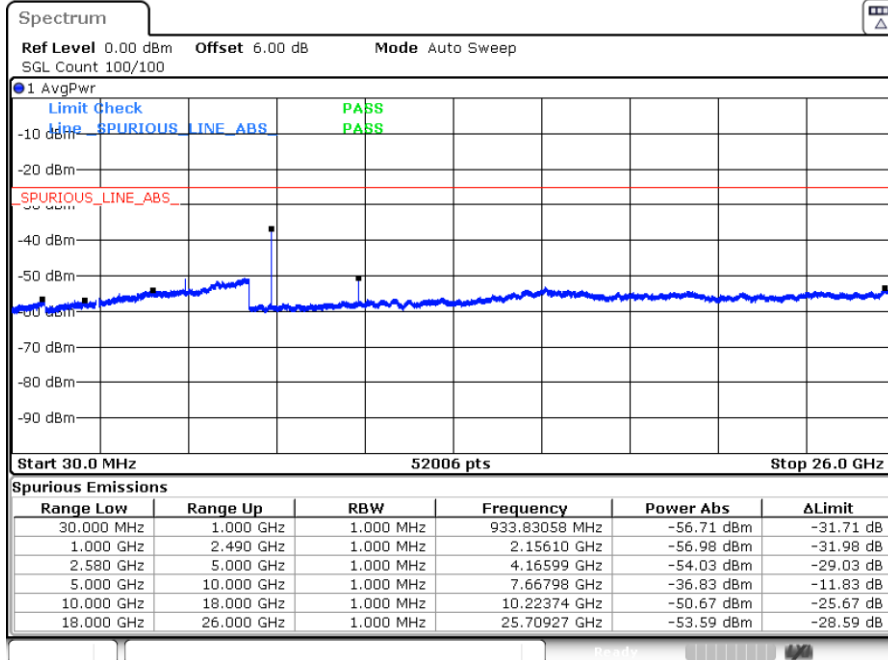
Date: 21.NOV.2024 03:58:18

Middle Channel / QPSK



Date: 21.NOV.2024 03:59:38

Highest Channel / QPSK

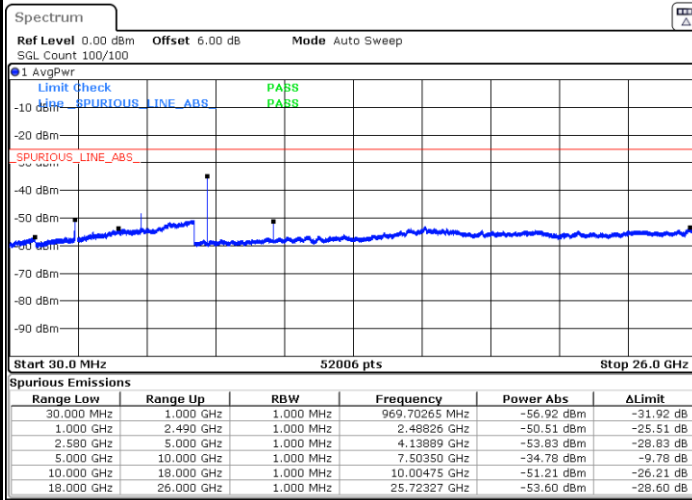


Date: 21.NOV.2024 04:00:58



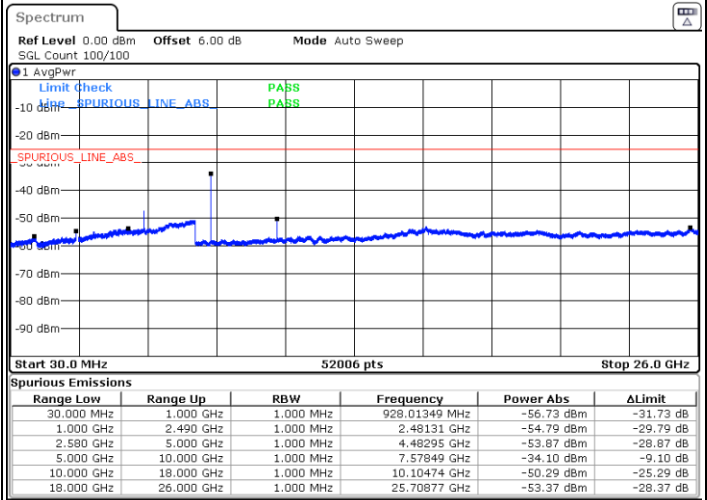
LTE Band 7 / 20MHz

Lowest Channel / QPSK



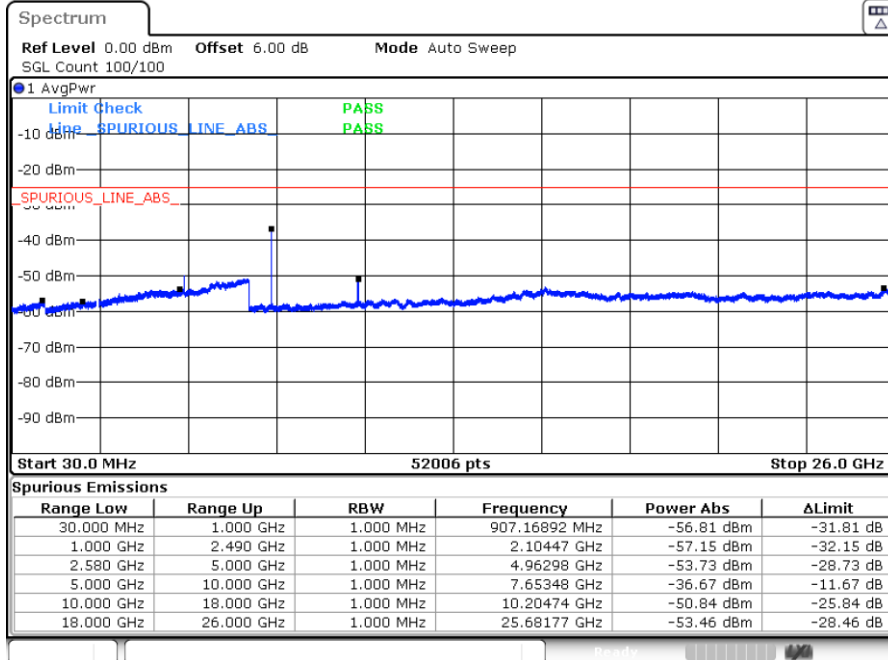
Date: 21.NOV.2024 04:13:03

Middle Channel / QPSK



Date: 21.NOV.2024 04:14:23

Highest Channel / QPSK



Date: 21.NOV.2024 04:15:43

**Frequency Stability**

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0051	
0	Normal Voltage	0.0043	
-10	Normal Voltage	0.0078	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0027	
20	Battery End Point	0.0003	

Note:

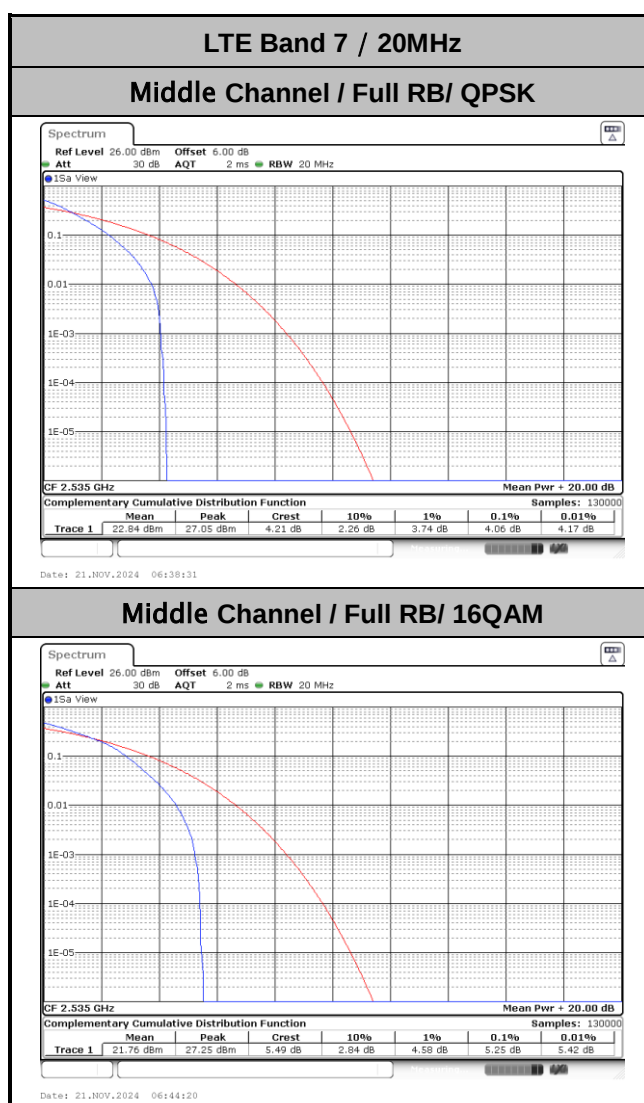
1. Normal Voltage =3.69 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.1 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

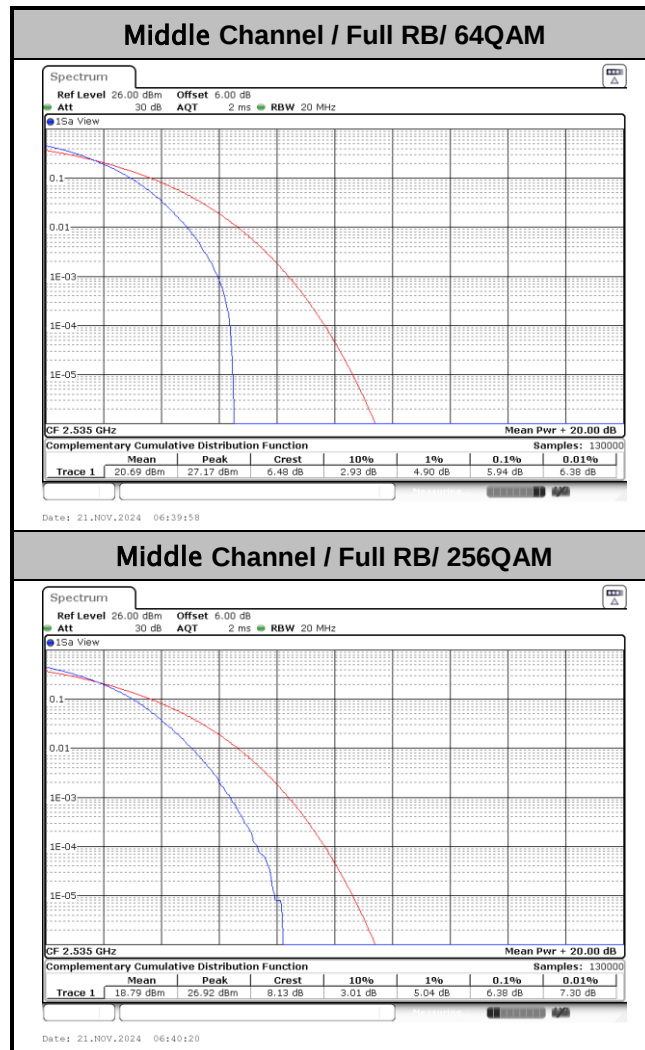


LTE Band 7(Other PA3)

Peak-to-Average Ratio

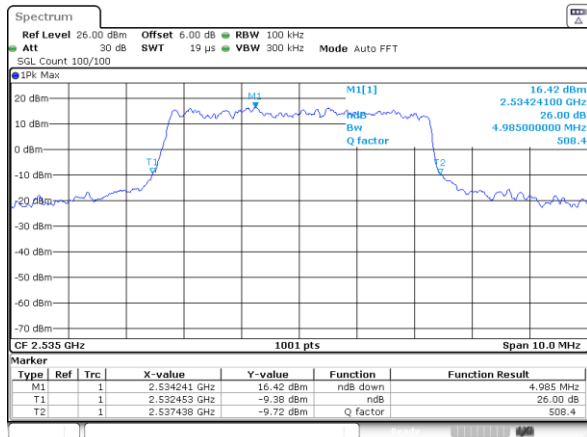
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.06	5.25	5.94	6.38	PASS



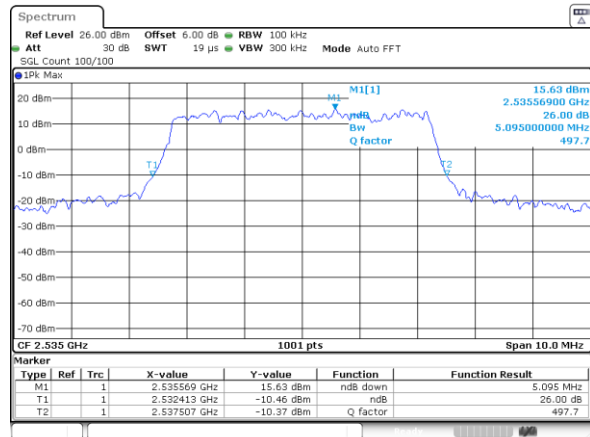


**26dB Bandwidth**

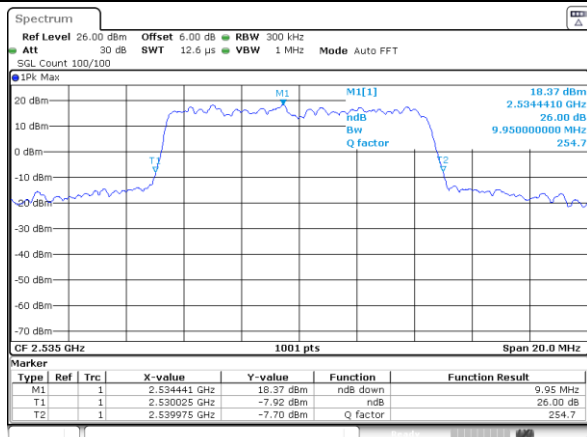
Mode	LTE Band 7 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.99	5.10	9.95	9.83	14.33	14.33	19.10	19.34

LTE Band 7**Middle Channel / 5MHz / QPSK**

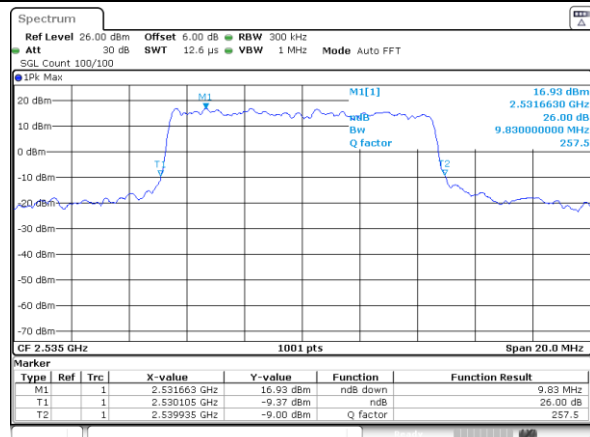
Date: 21.NOV.2024 06:48:18

Middle Channel / 5MHz / 16QAM

Date: 21.NOV.2024 06:48:10

LTE Band 7**Middle Channel / 10MHz / QPSK**

Date: 21.NOV.2024 06:46:53

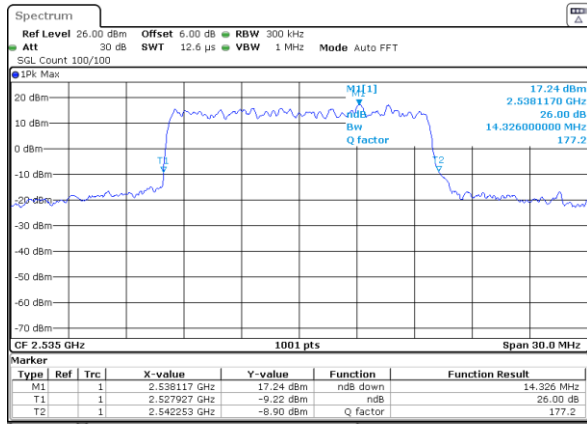
Middle Channel / 10MHz / 16QAM

Date: 21.NOV.2024 06:47:15



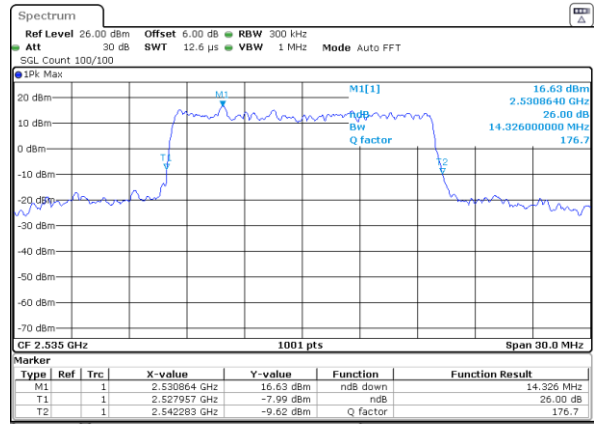
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 21.NOV.2024 06:45:28

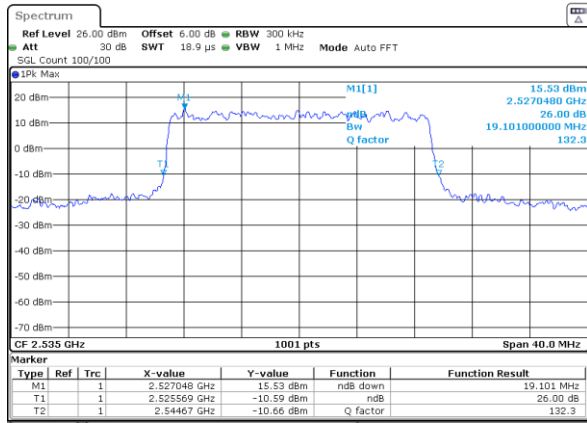
Middle Channel / 15MHz / 16QAM



Date: 21.NOV.2024 06:45:49

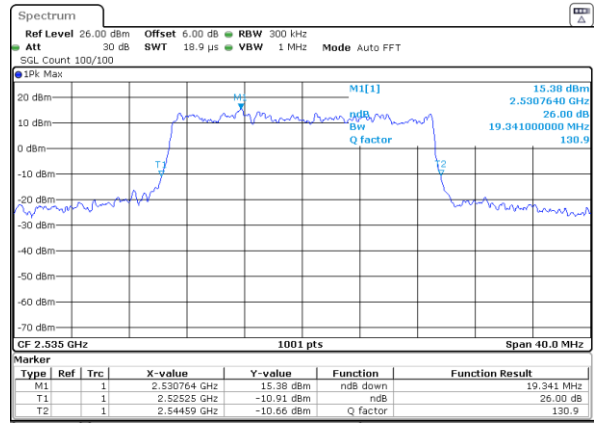
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 21.NOV.2024 06:38:09

Middle Channel / 20MHz / 16QAM



Date: 21.NOV.2024 06:43:58

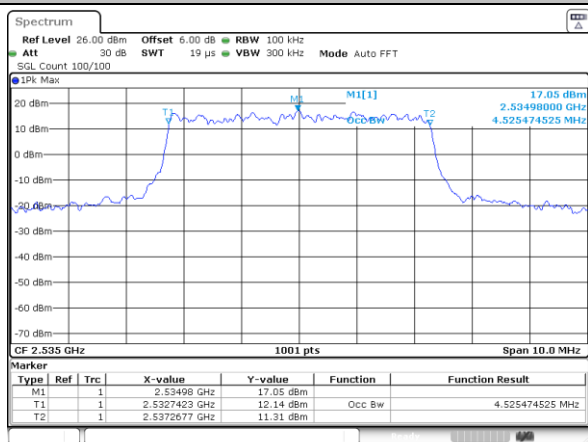


Occupied Bandwidth

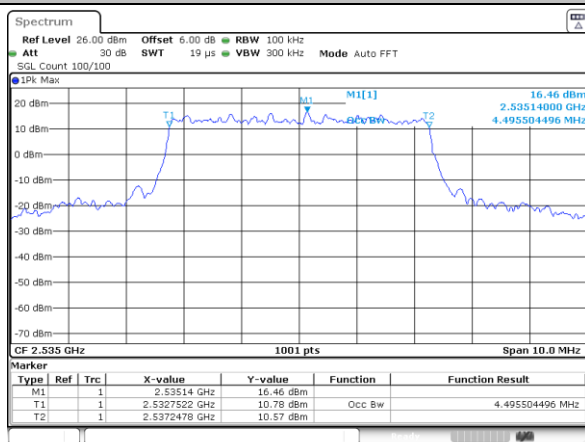
Mode	LTE Band 7 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.53	4.50	9.03	9.03	13.46	13.46	17.94	17.90

LTE Band 7

Middle Channel / 5MHz / QPSK

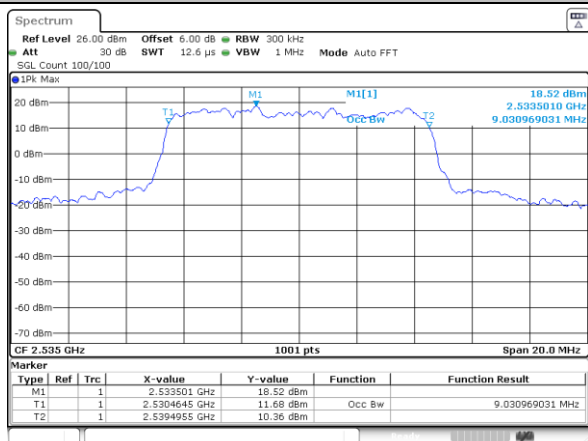


Middle Channel / 5MHz / 16QAM

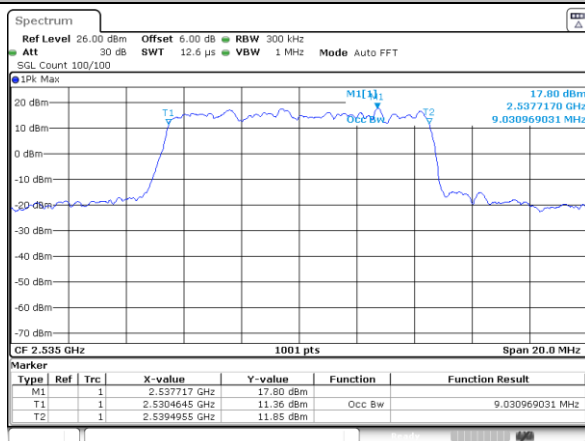


LTE Band 7

Middle Channel / 10MHz / QPSK



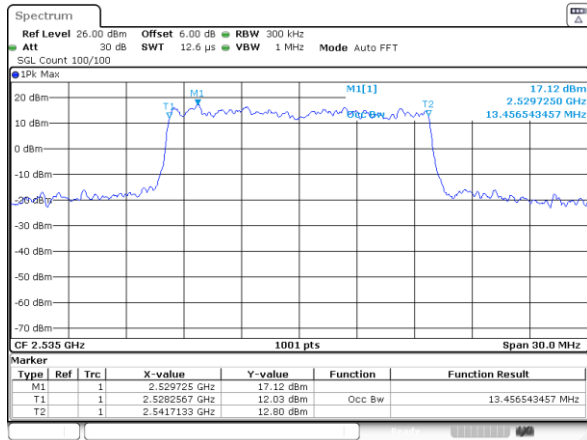
Middle Channel / 10MHz / 16QAM



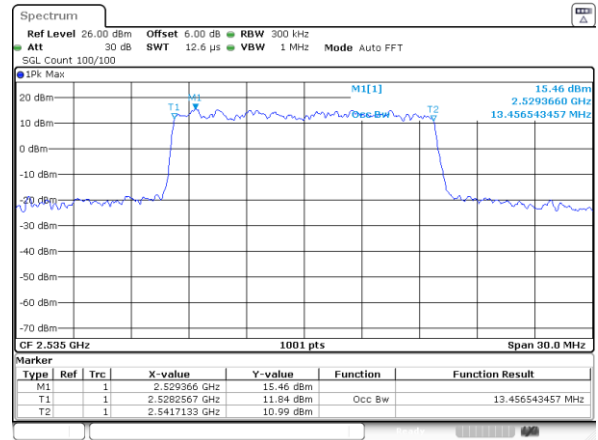


LTE Band 7

Middle Channel / 15MHz / QPSK

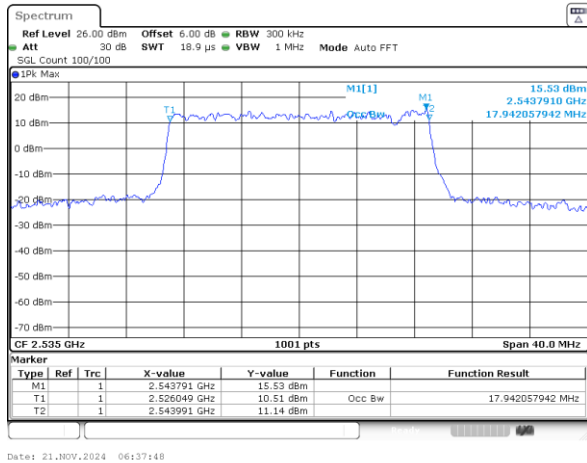


Middle Channel / 15MHz / 16QAM

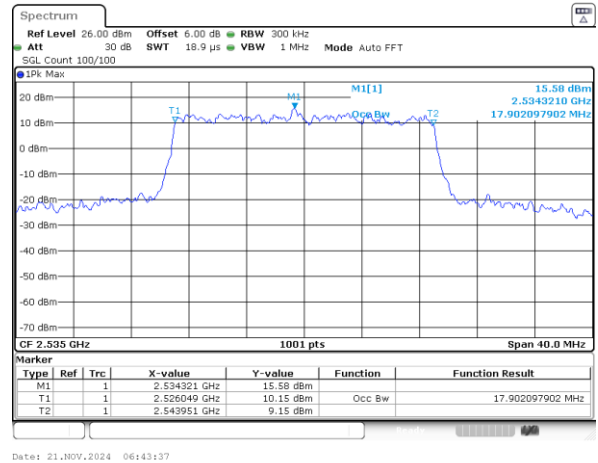


LTE Band 7

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

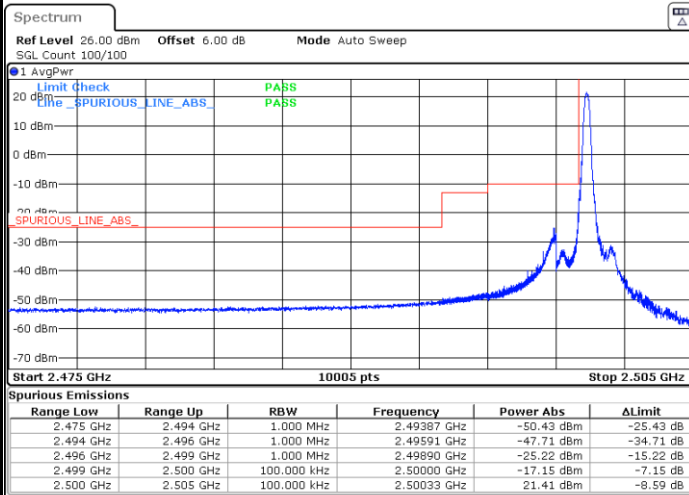




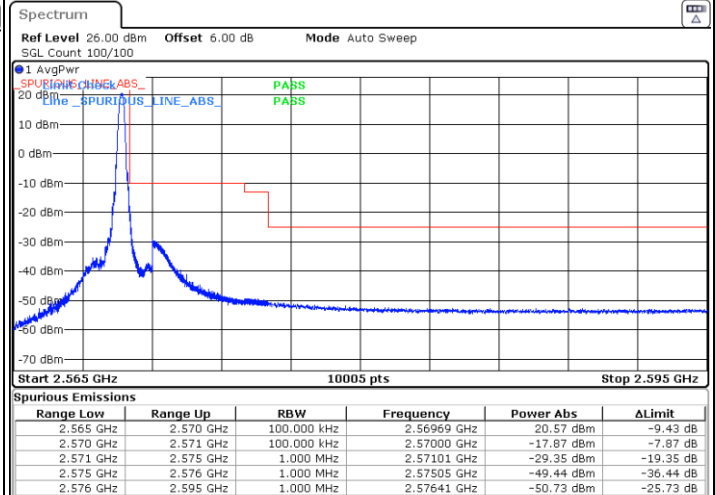
Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

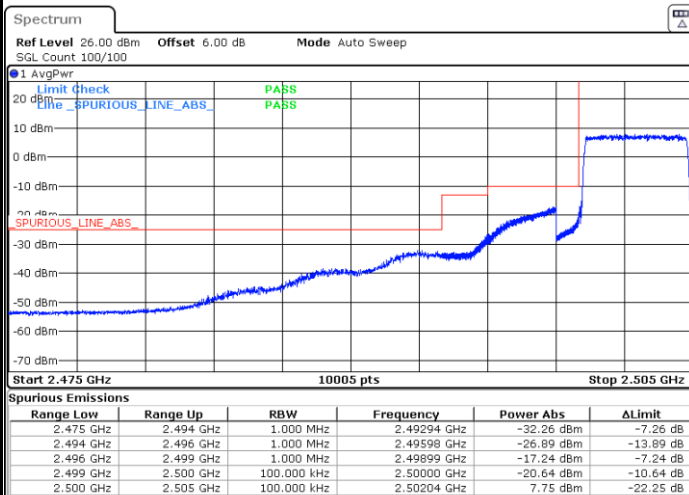
Lowest Band Edge / 1 RB



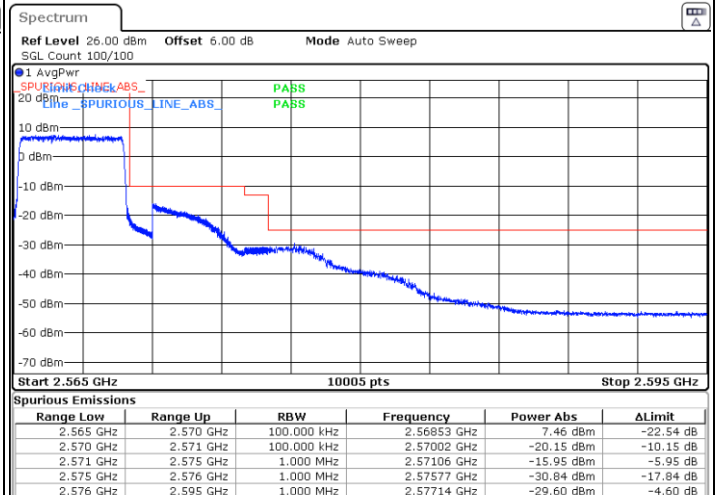
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



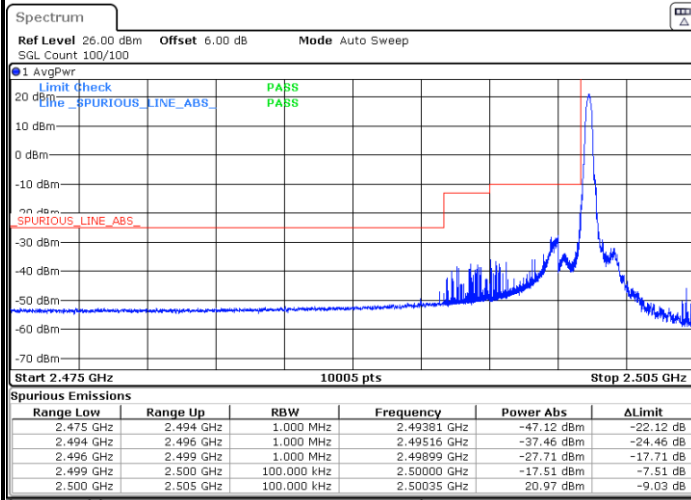
Highest Band Edge / Full RB



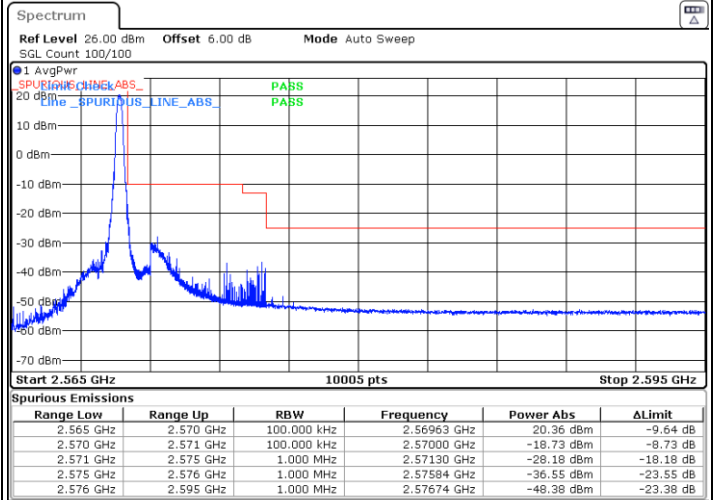


LTE Band 7 / 5MHz / 16QAM

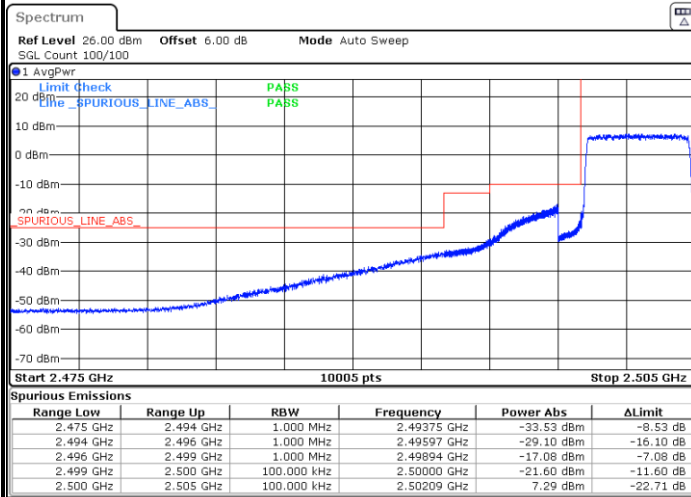
Lowest Band Edge / 1RB



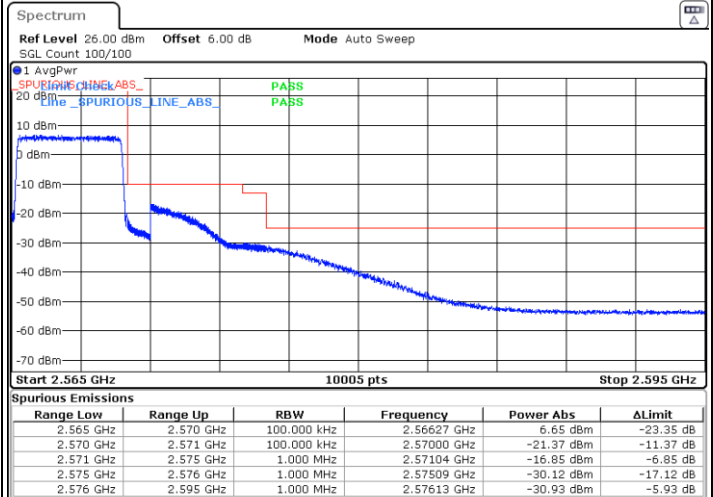
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



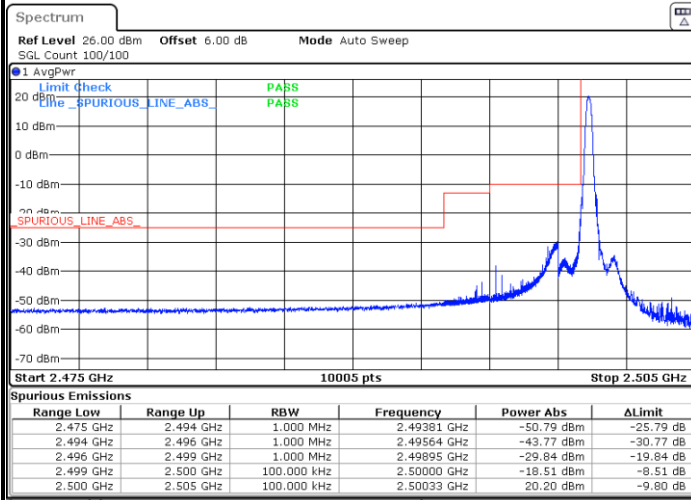
Highest Band Edge / Full RB



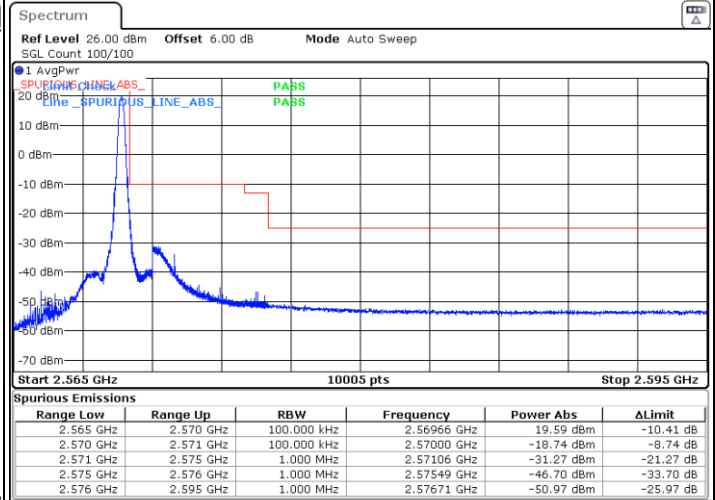


LTE Band 7 / 5MHz / 64QAM

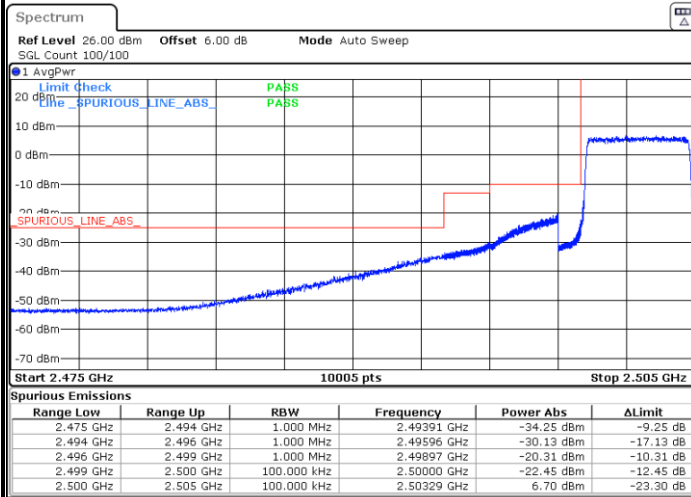
Lowest Band Edge / 1RB



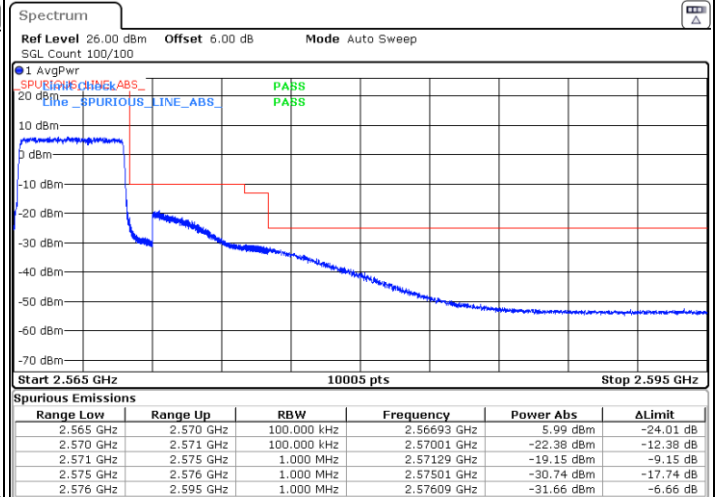
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



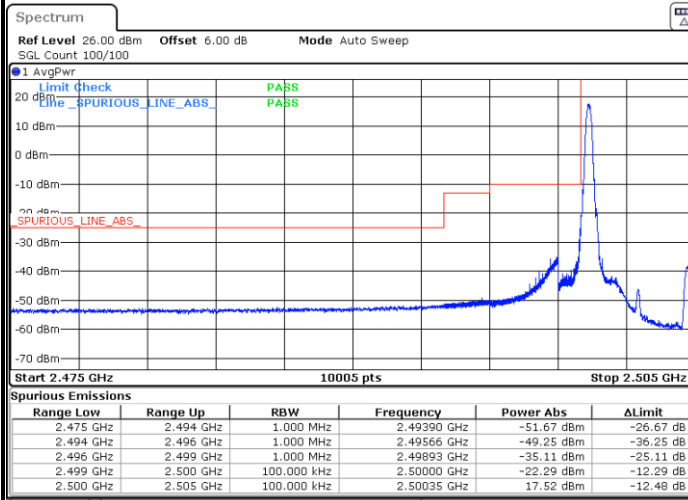
Highest Band Edge / Full RB



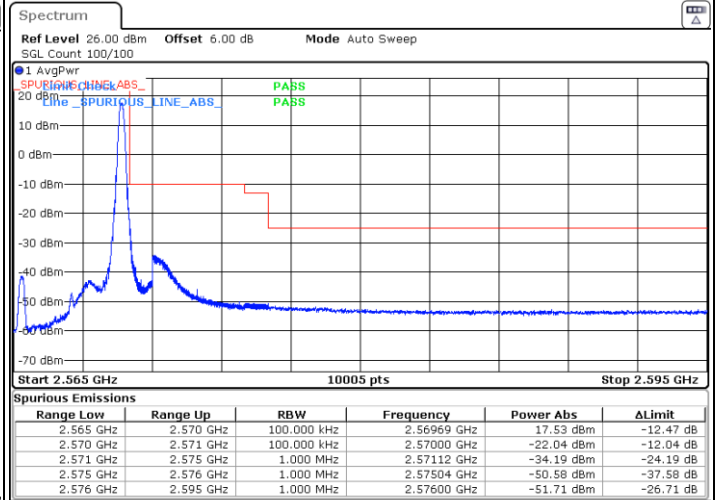


LTE Band 7 / 5MHz / 256QAM

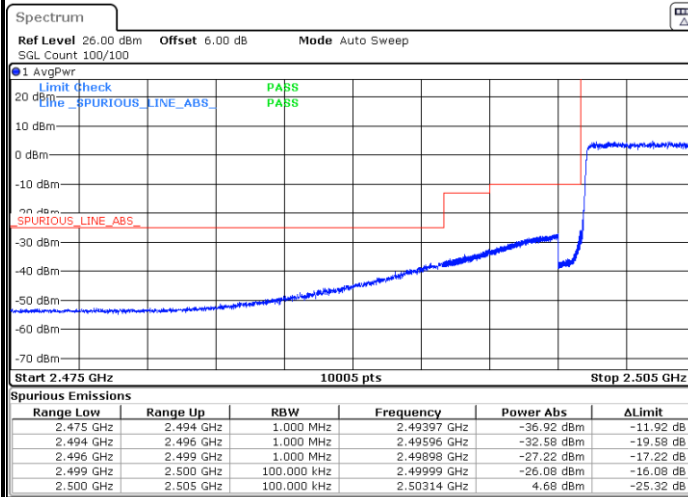
Lowest Band Edge / 1RB



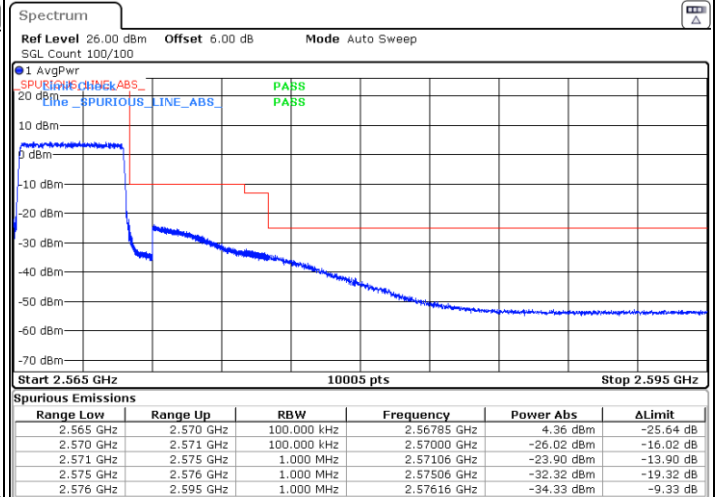
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



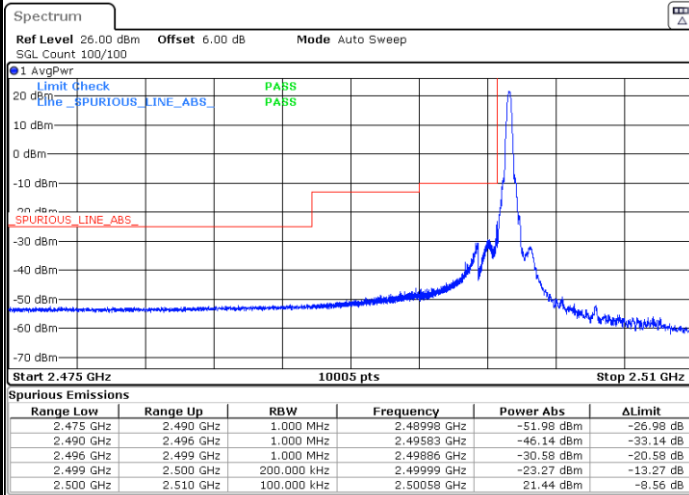
Highest Band Edge / Full RB





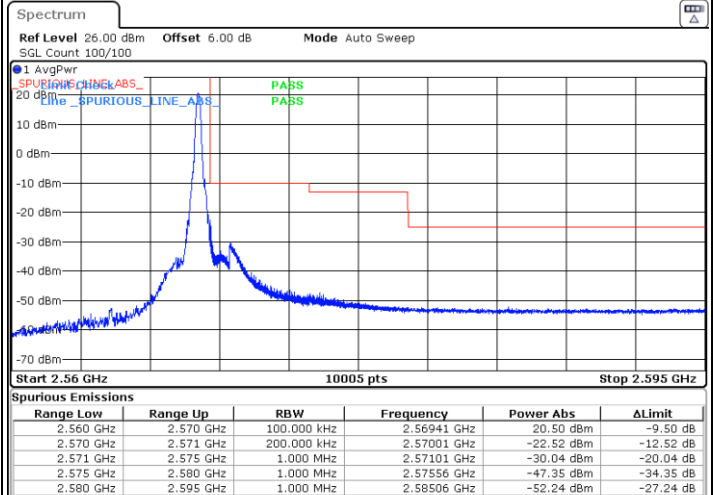
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB



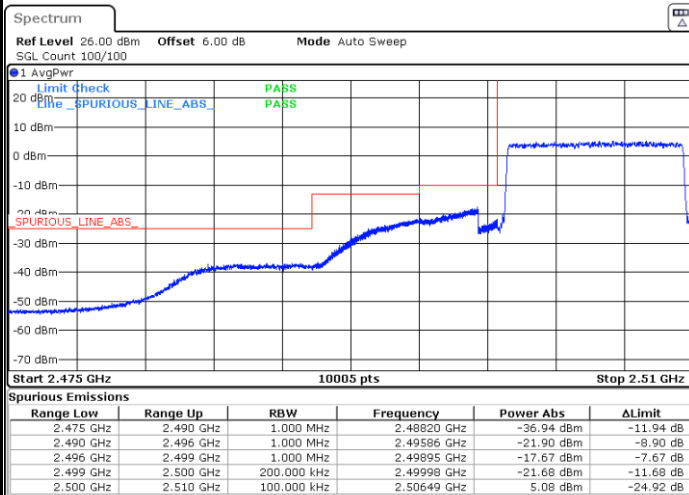
Date: 21.NOV.2024 05:56:14

Highest Band Edge / 1 RB



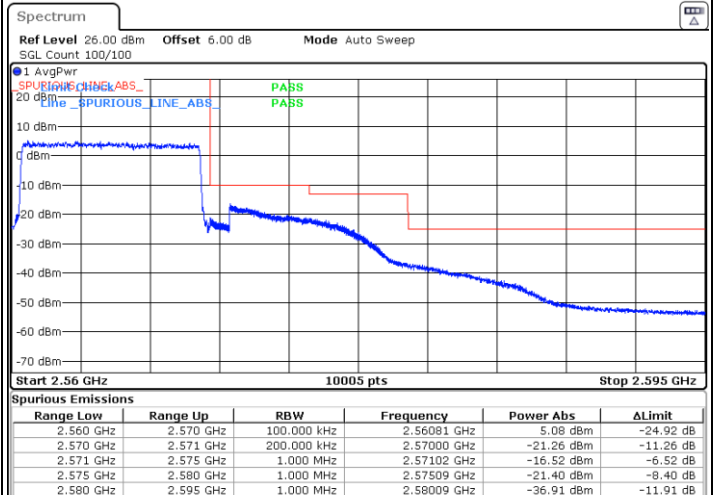
Date: 21.NOV.2024 06:02:57

Lowest Band Edge / Full RB



Date: 21.NOV.2024 05:53:32

Highest Band Edge / Full RB

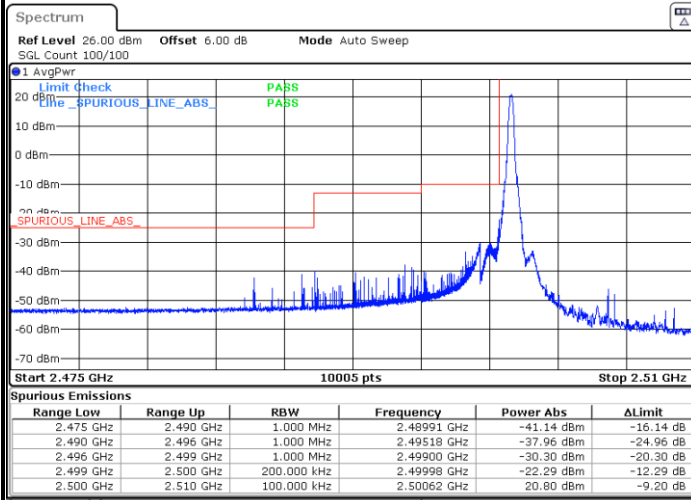


Date: 21.NOV.2024 06:05:39

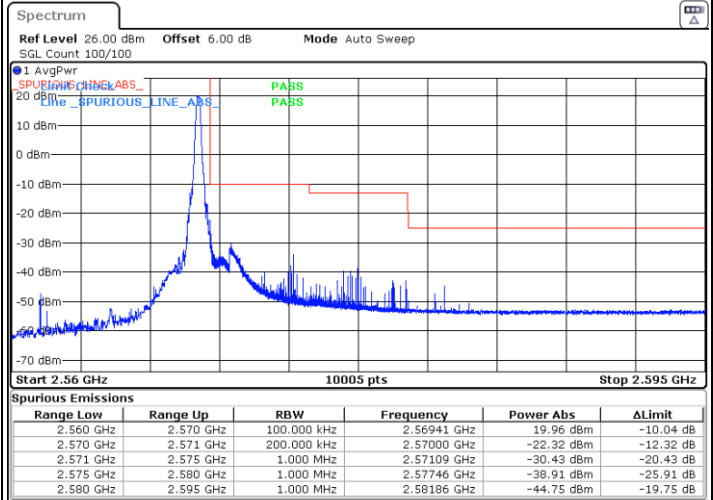


LTE Band 7 / 10MHz / 16QAM

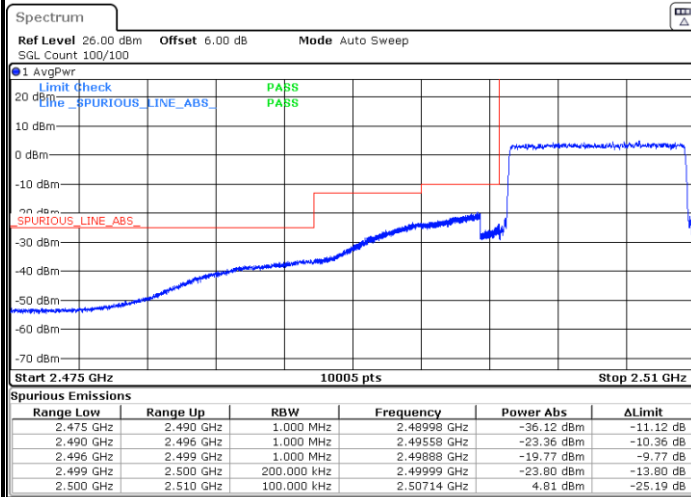
Lowest Band Edge / 1 RB



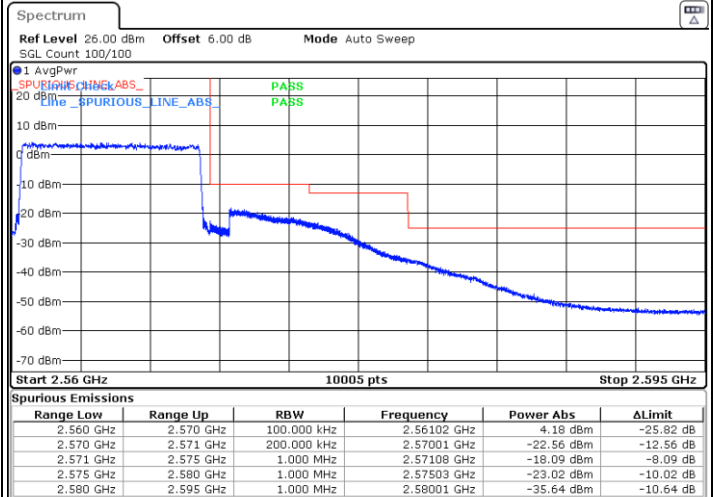
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



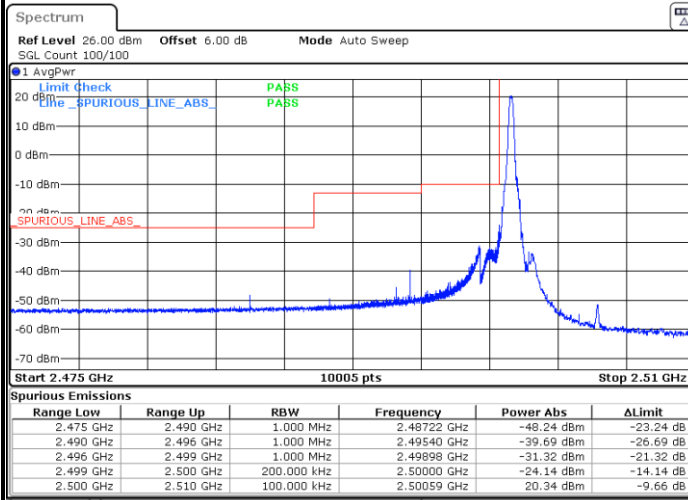
Highest Band Edge / Full RB



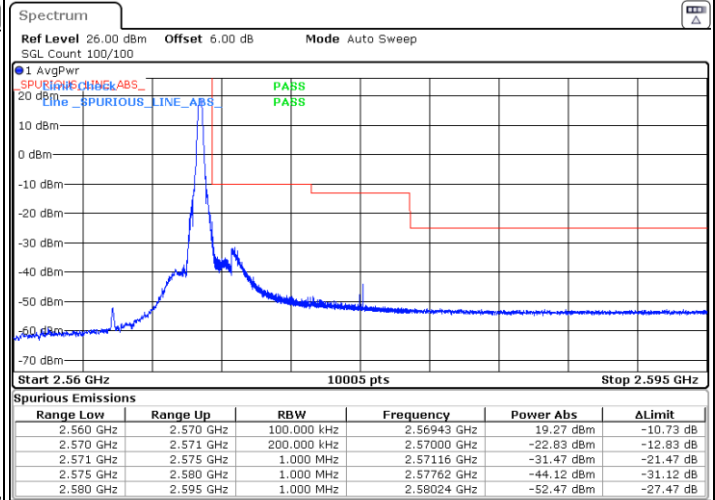


LTE Band 7 / 10MHz / 64QAM

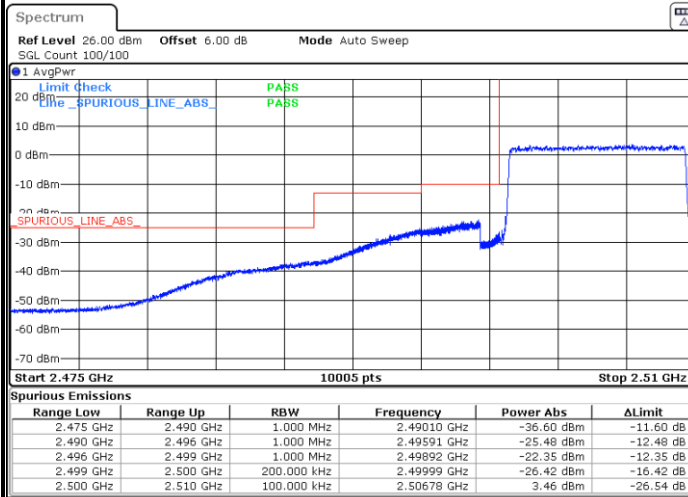
Lowest Band Edge / 1 RB



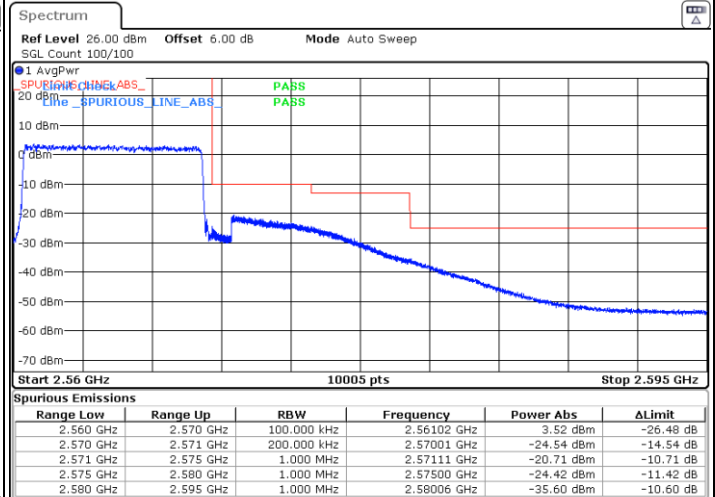
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



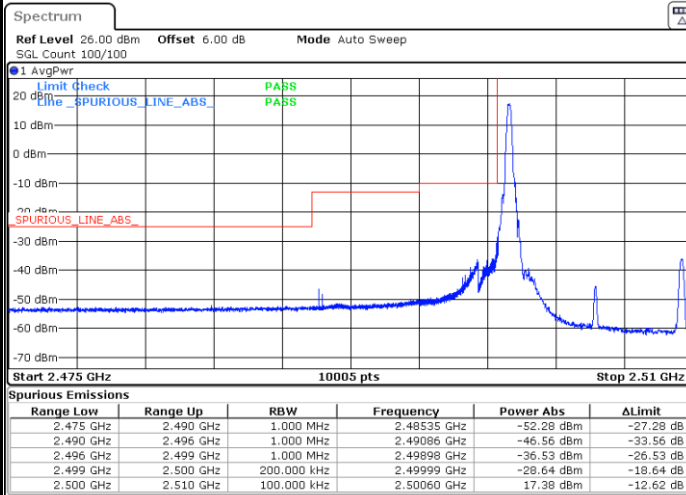
Highest Band Edge / Full RB





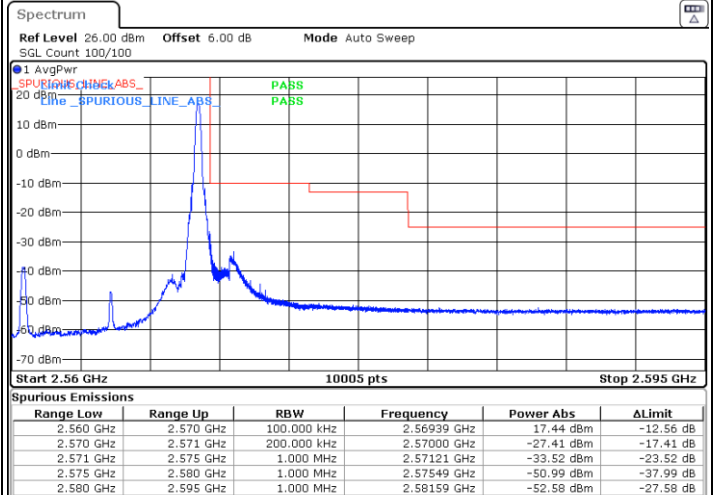
LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



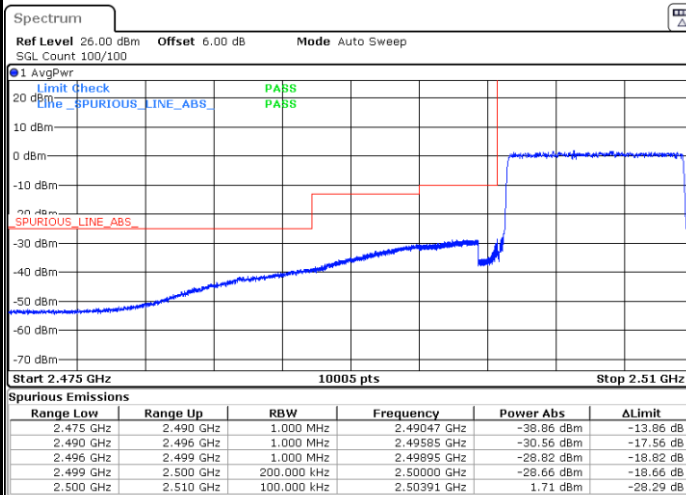
Date: 21.NOV.2024 05:58:15

Highest Band Edge / 1 RB



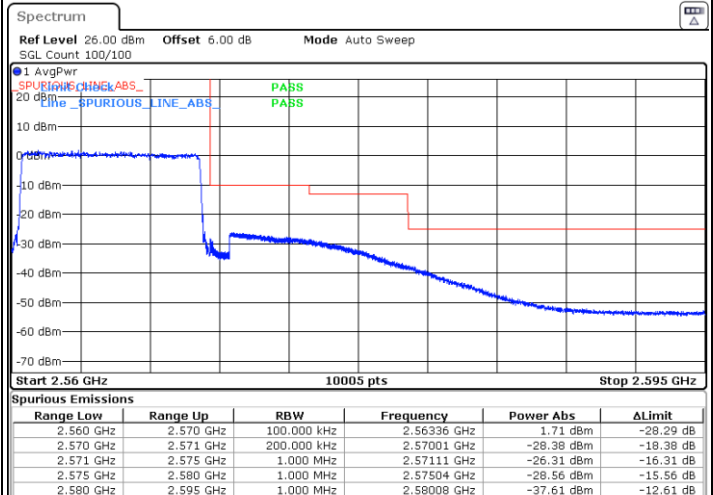
Date: 21.NOV.2024 06:04:58

Lowest Band Edge / Full RB



Date: 21.NOV.2024 05:55:33

Highest Band Edge / Full RB

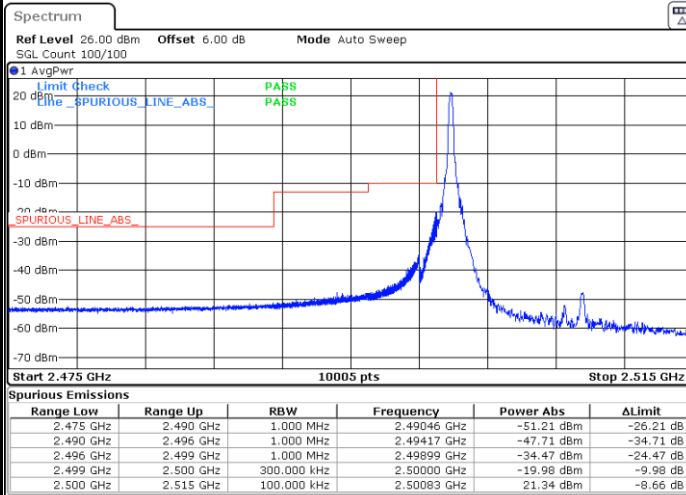


Date: 21.NOV.2024 06:07:41

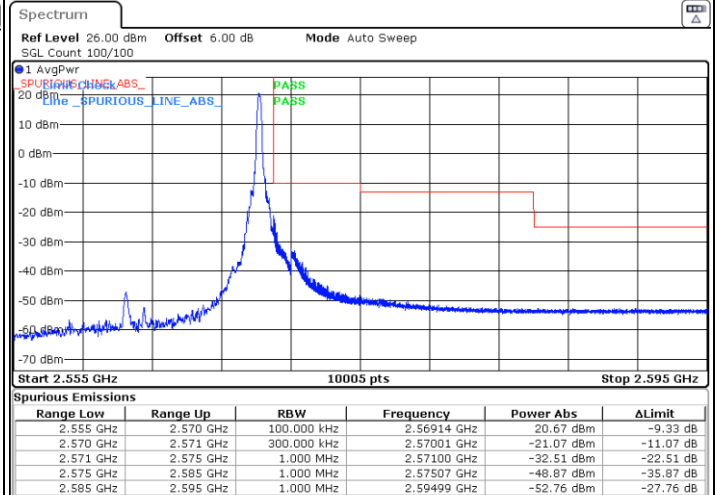


LTE Band 7 / 15MHz / QPSK

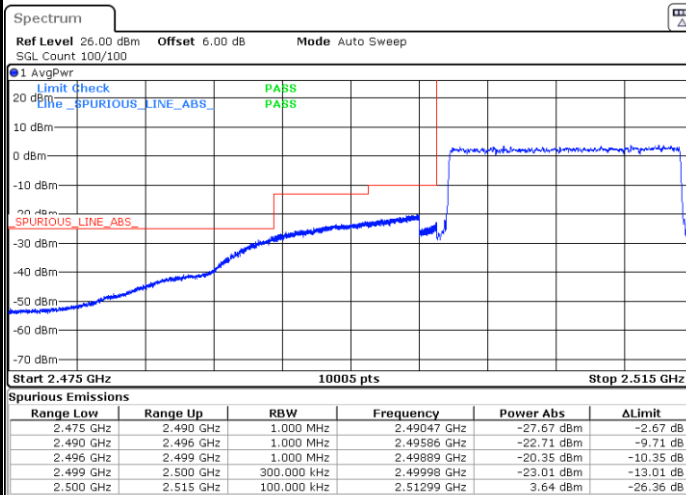
Lowest Band Edge / 1 RB



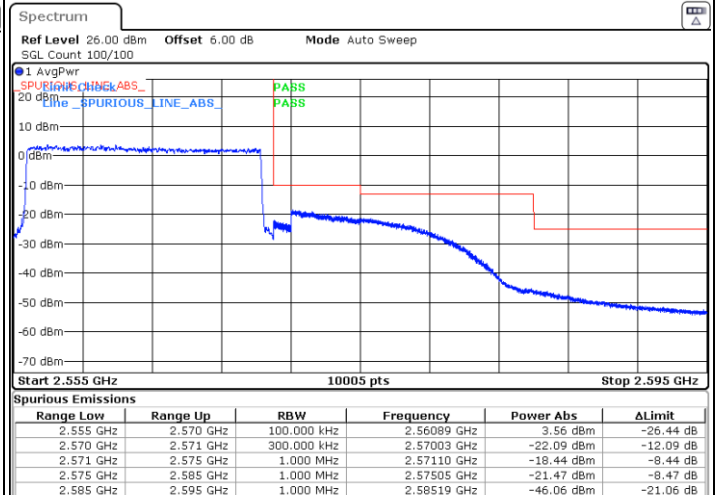
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



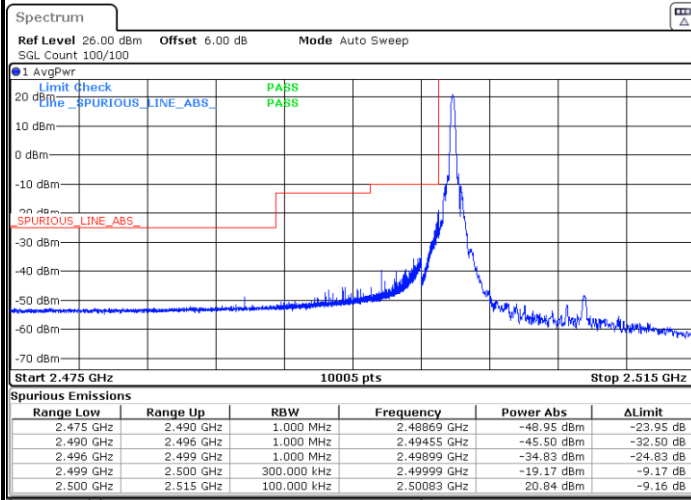
Highest Band Edge / Full RB





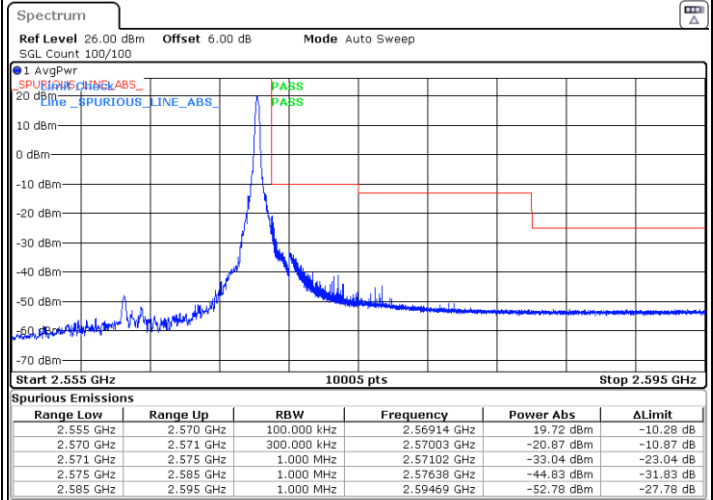
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



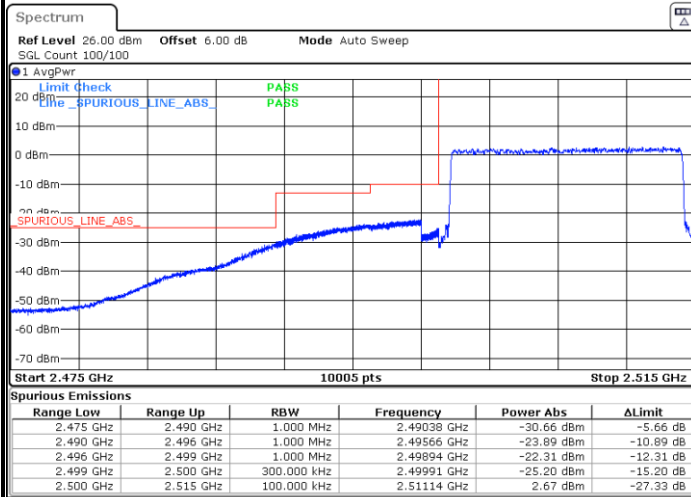
Date: 21.NOV.2024 06:11:46

Highest Band Edge / 1 RB



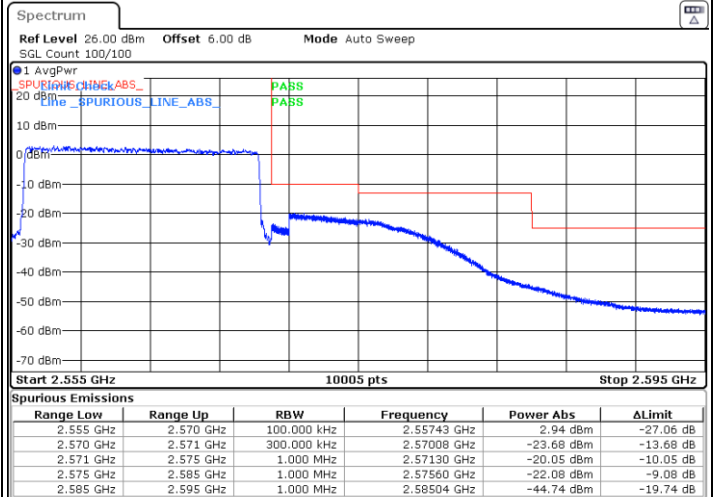
Date: 21.NOV.2024 06:18:30

Lowest Band Edge / Full RB



Date: 21.NOV.2024 06:09:03

Highest Band Edge / Full RB

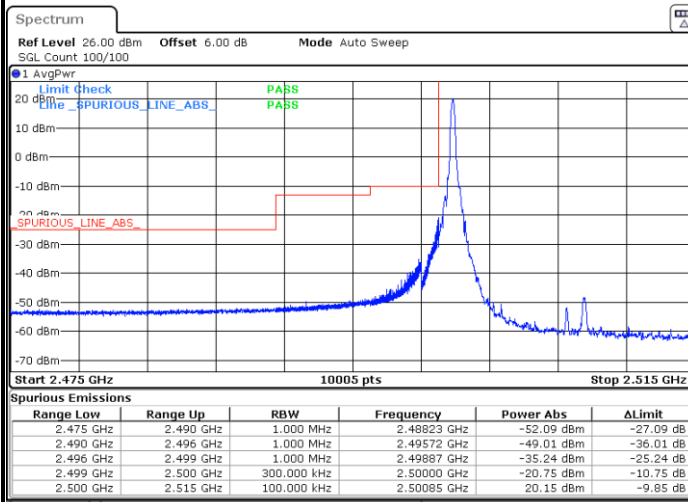


Date: 21.NOV.2024 06:21:11

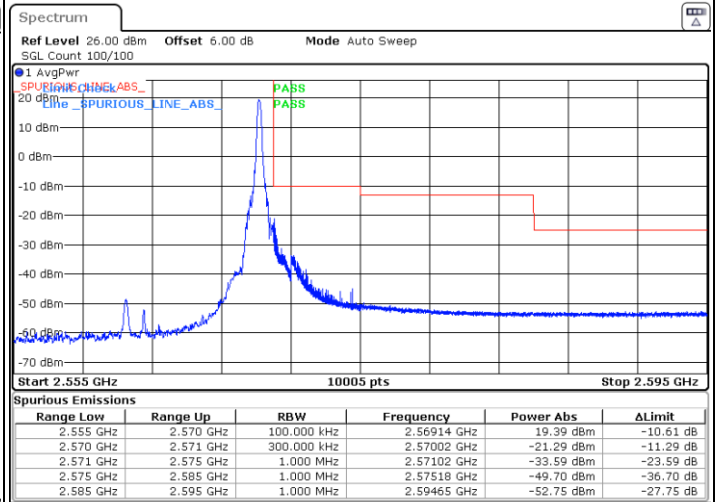


LTE Band 7 / 15MHz / 64QAM

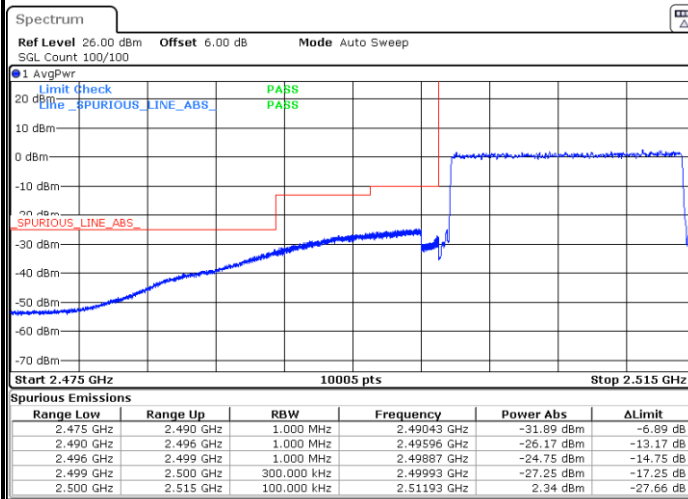
Lowest Band Edge / 1 RB



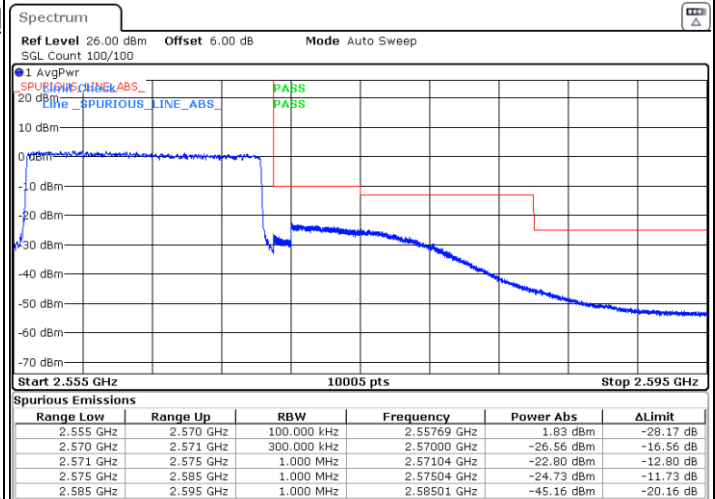
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



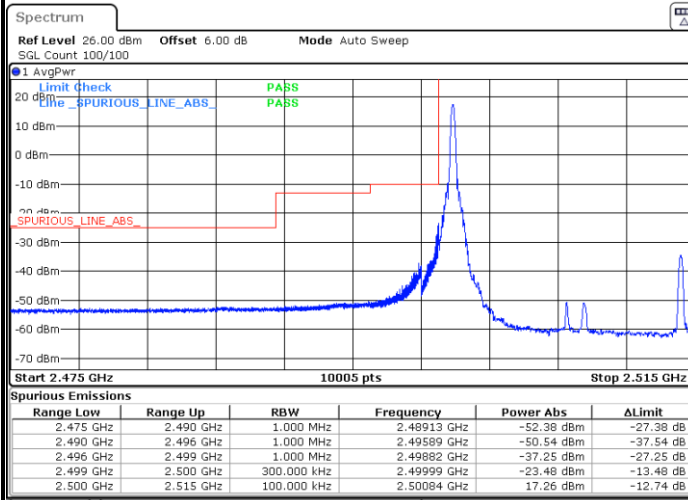
Highest Band Edge / Full RB





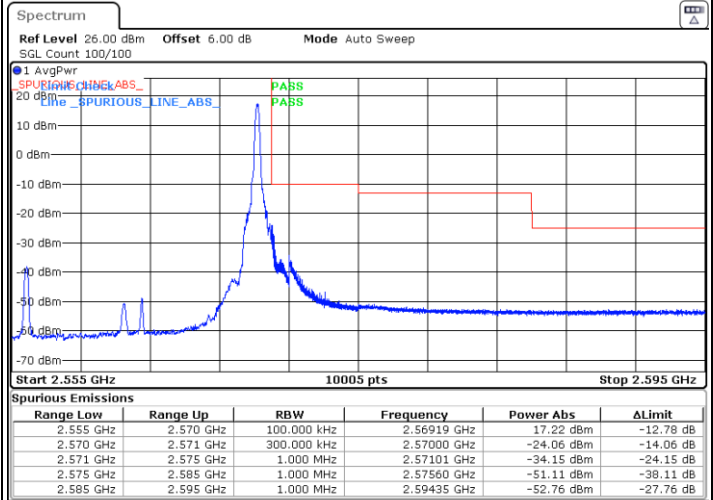
LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



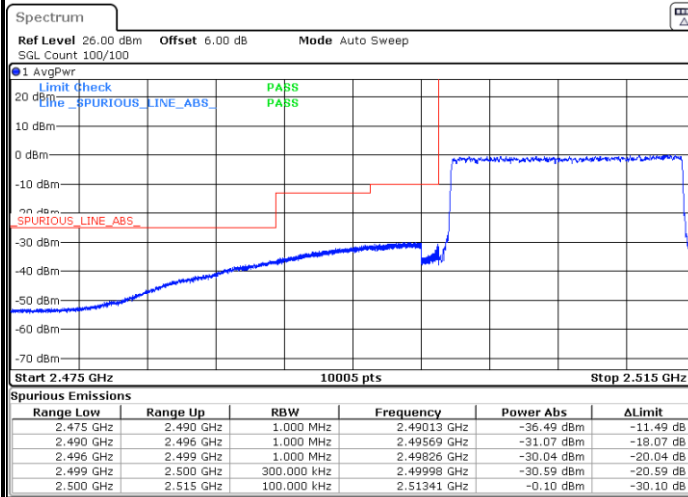
Date: 21.NOV.2024 06:13:07

Highest Band Edge / 1 RB



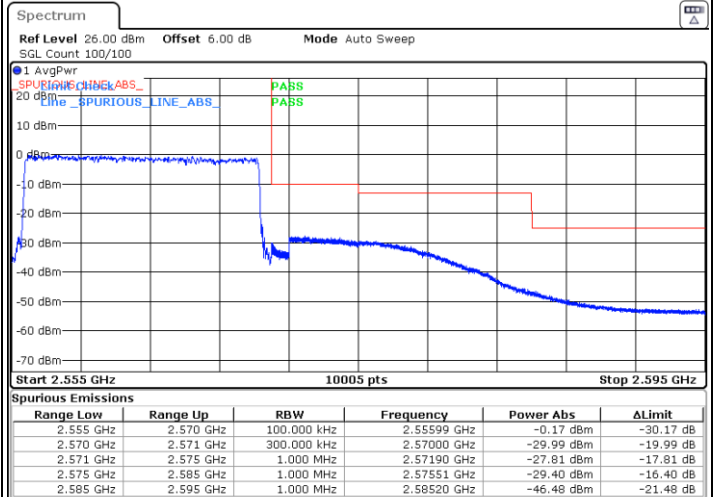
Date: 21.NOV.2024 06:19:51

Lowest Band Edge / Full RB



Date: 21.NOV.2024 06:10:24

Highest Band Edge / Full RB

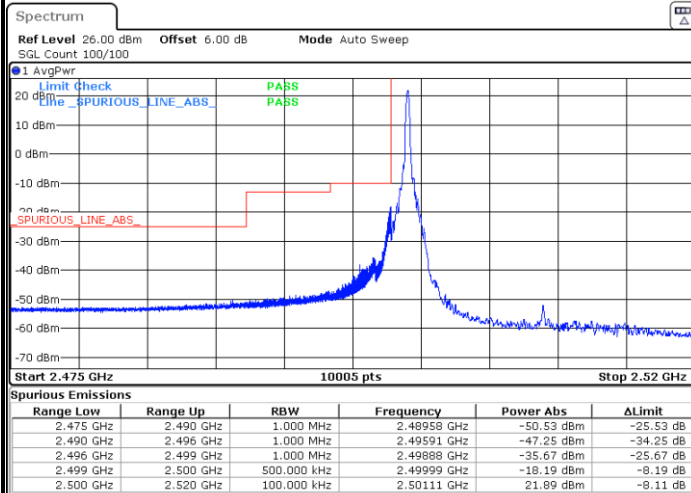


Date: 21.NOV.2024 06:22:33

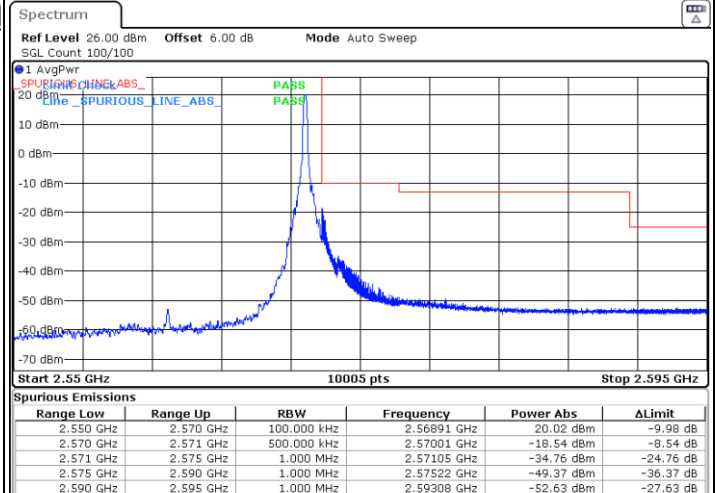


LTE Band 7 / 20MHz / QPSK

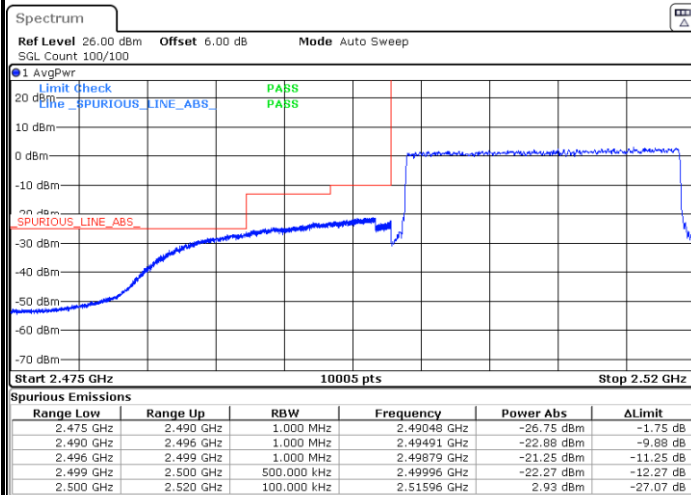
Lowest Band Edge / 1 RB



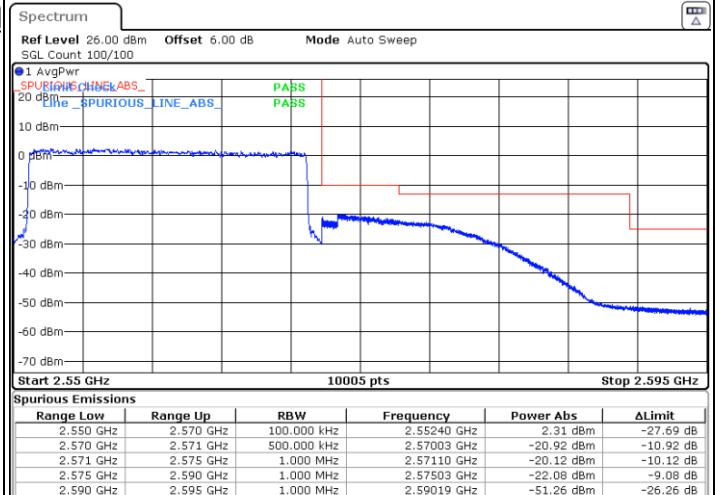
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



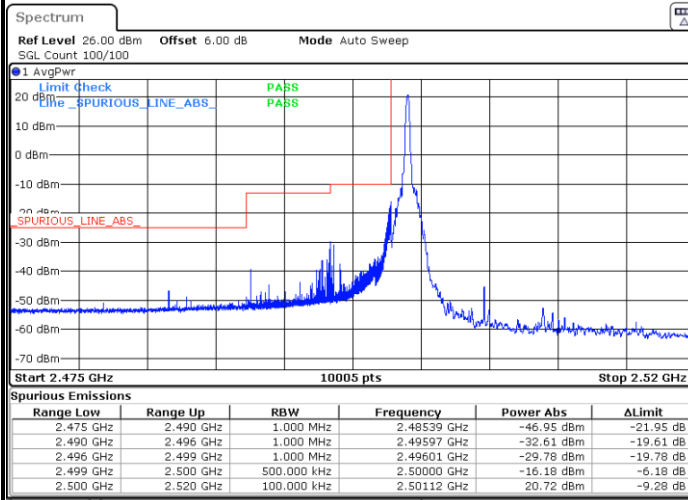
Highest Band Edge / Full RB



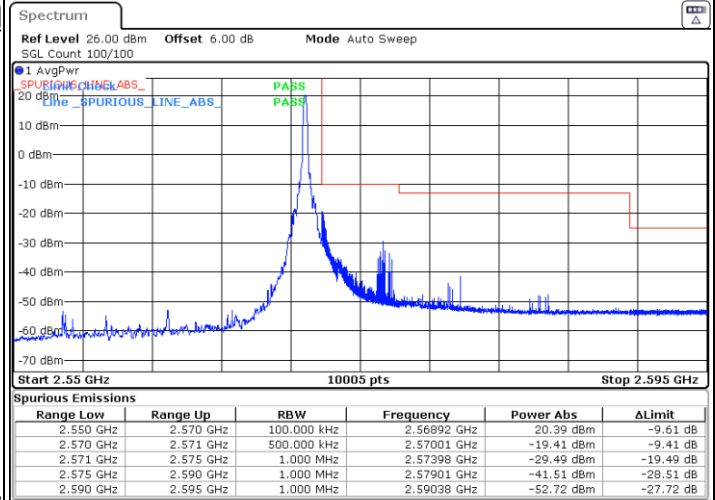


LTE Band 7 / 20MHz / 16QAM

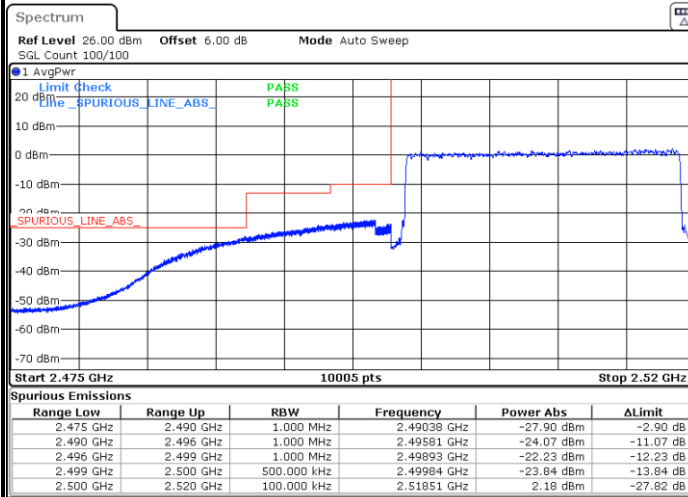
Lowest Band Edge / 1 RB



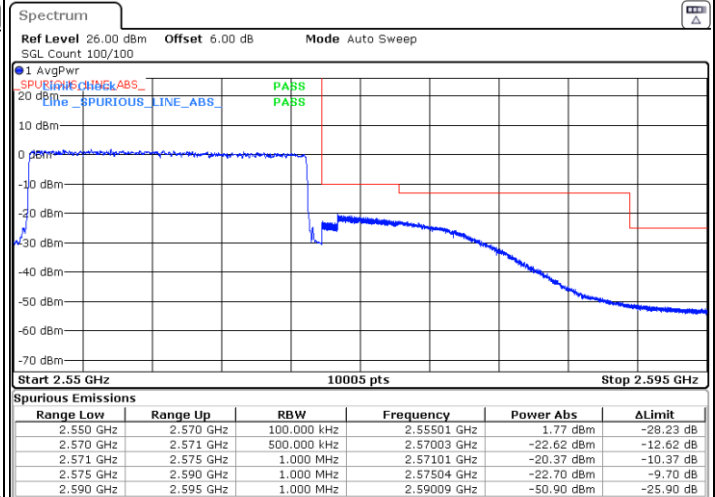
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



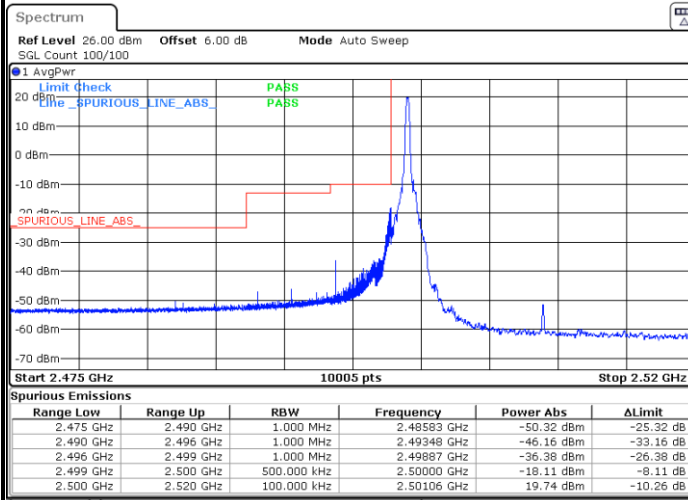
Highest Band Edge / Full RB



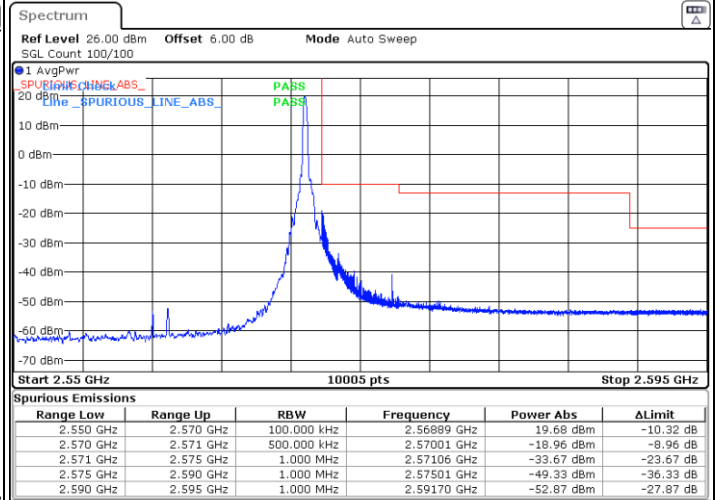


LTE Band 7 / 20MHz / 64QAM

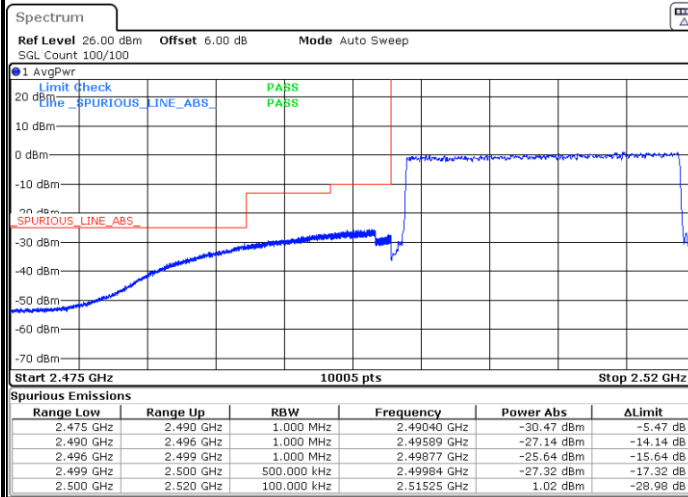
Lowest Band Edge / 1 RB



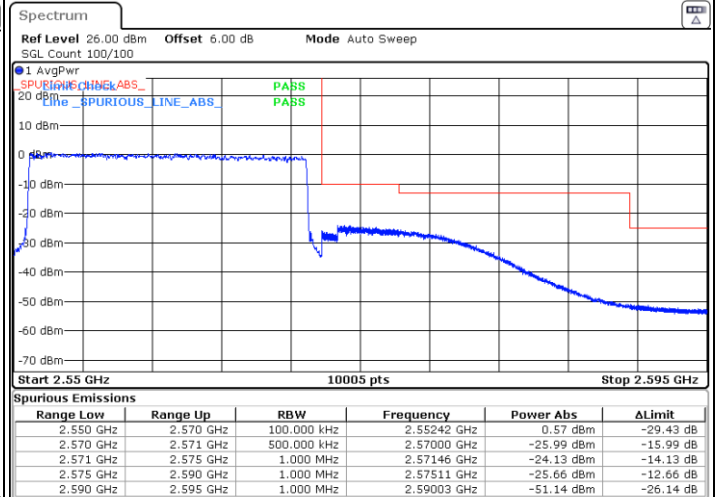
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



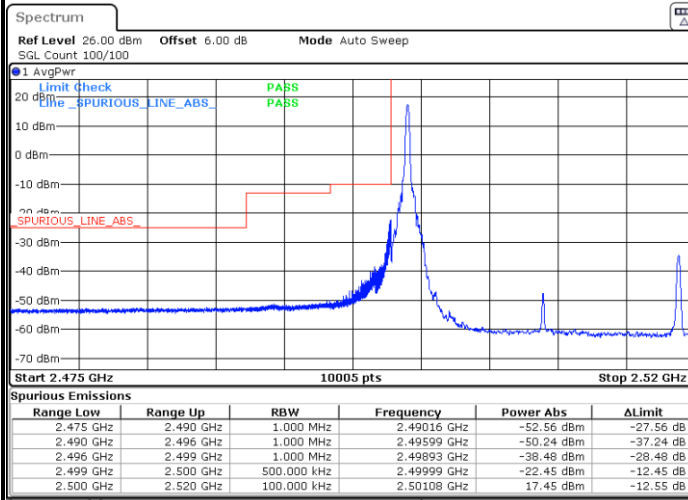
Highest Band Edge / Full RB



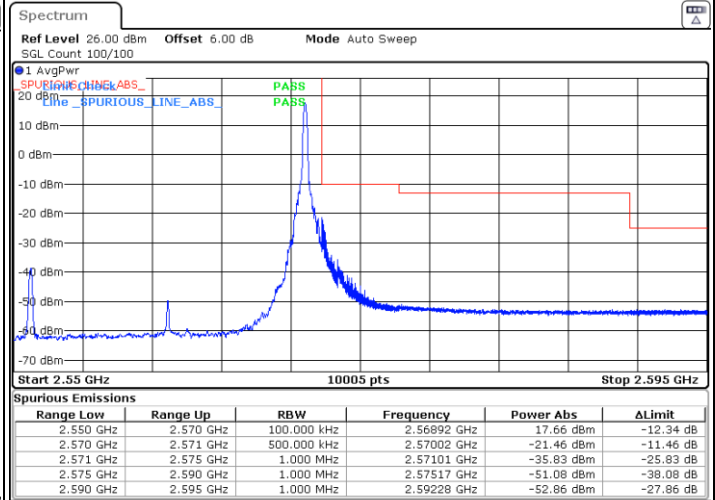


LTE Band 7 / 20MHz / 256QAM

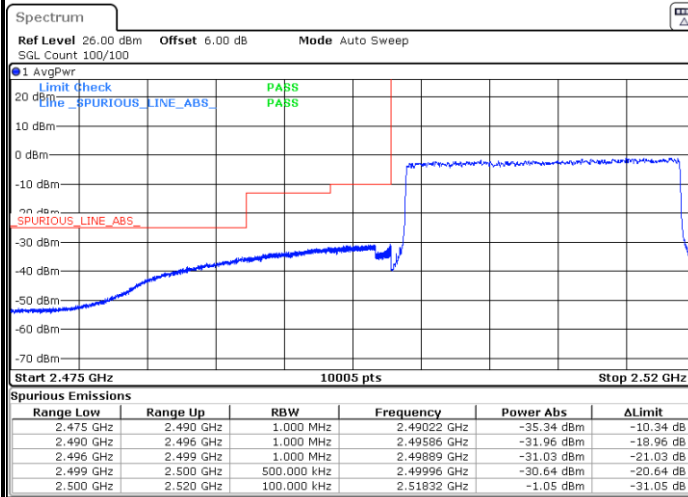
Lowest Band Edge / 1 RB



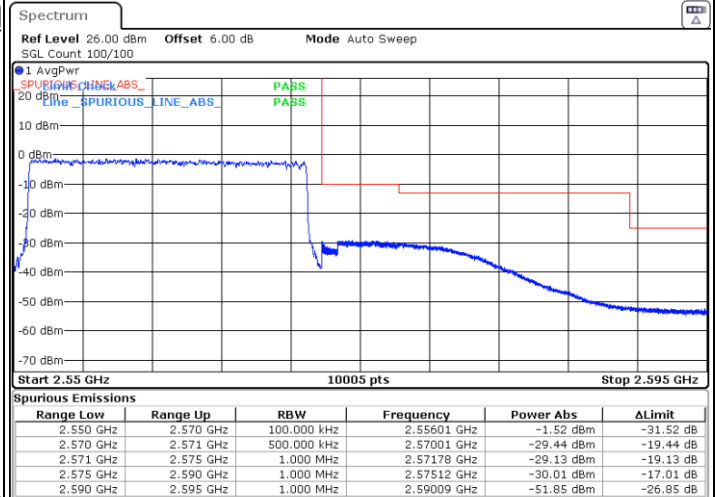
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

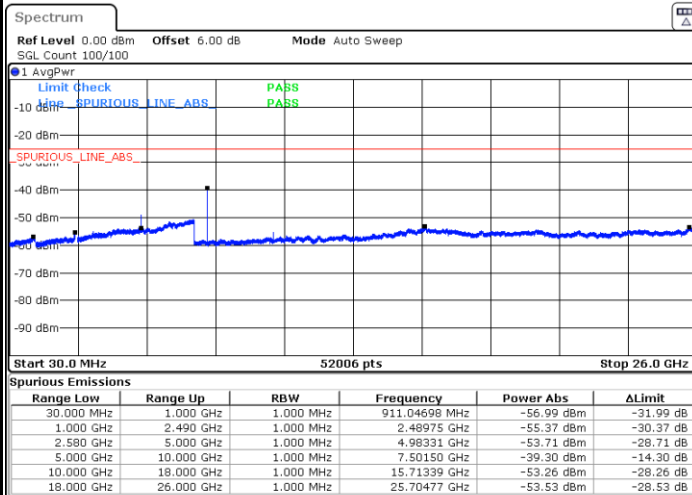




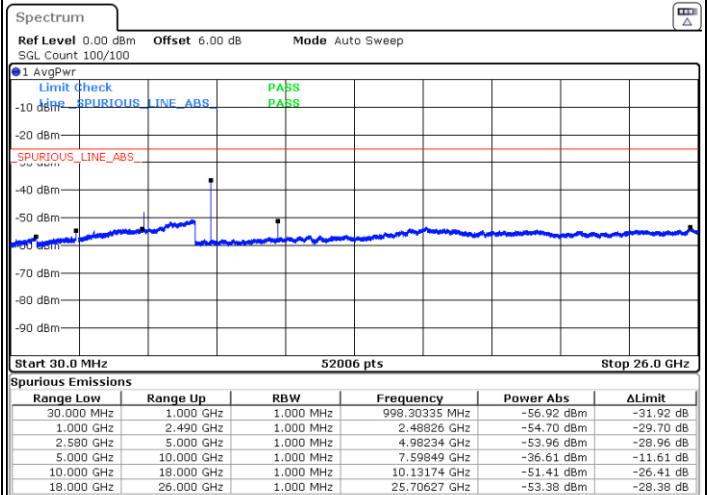
Conducted Spurious Emission

LTE Band 7 / 5MHz

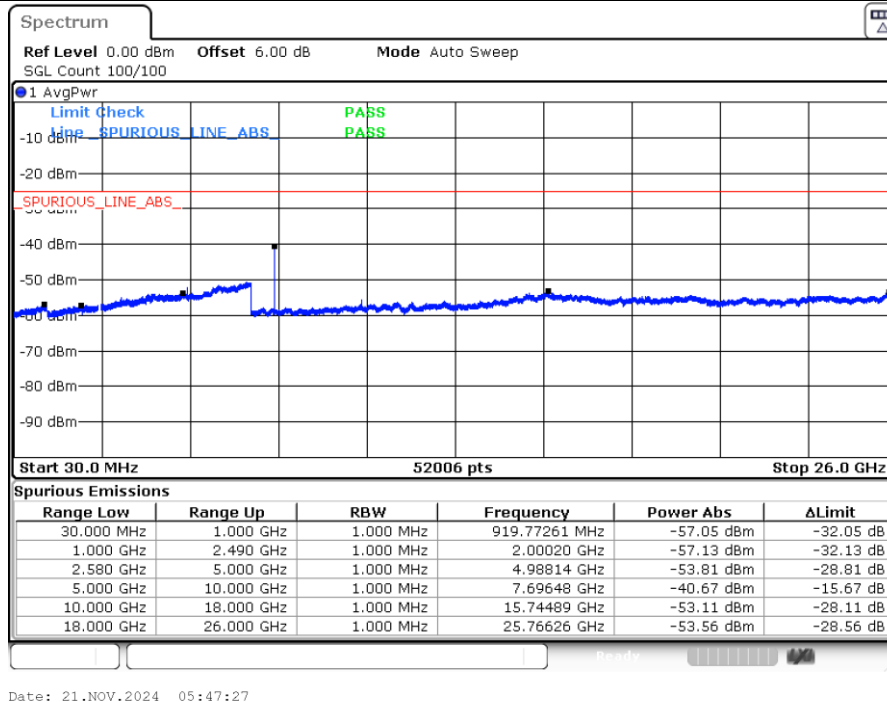
Lowest Channel / QPSK



Middle Channel / QPSK



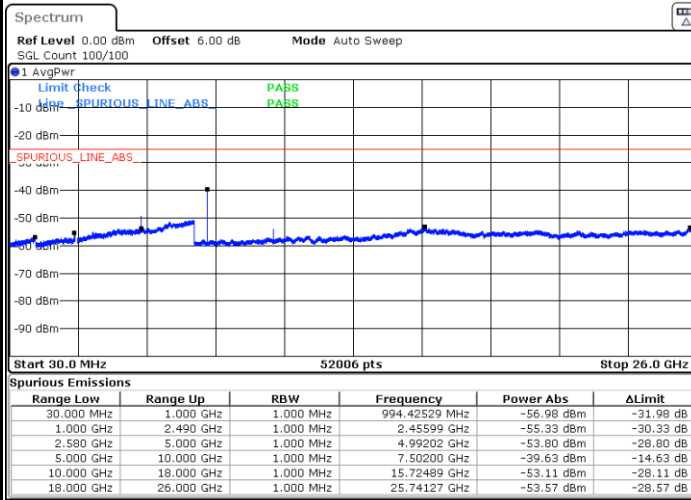
Highest Channel / QPSK





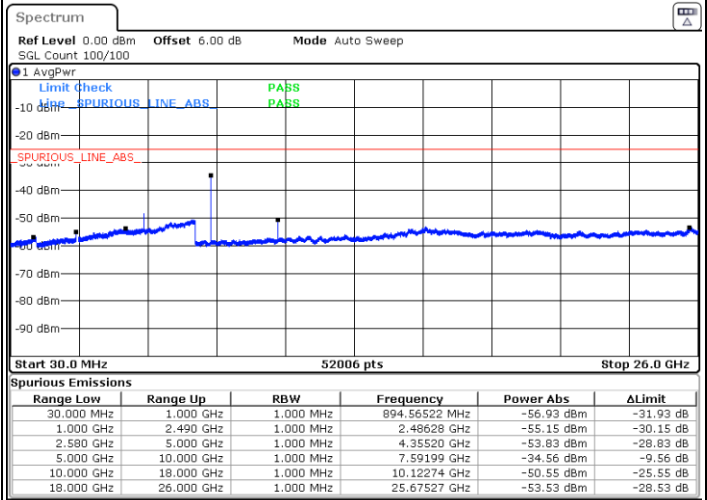
LTE Band 7 / 10MHz

Lowest Channel / QPSK



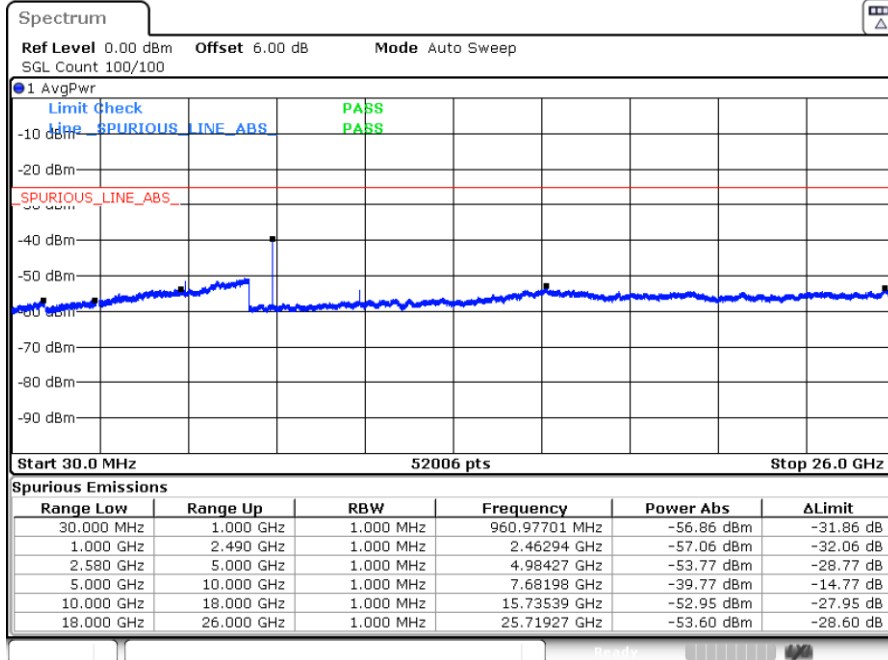
Date: 21.NOV.2024 05:59:35

Middle Channel / QPSK



Date: 21.NOV.2024 06:00:55

Highest Channel / QPSK

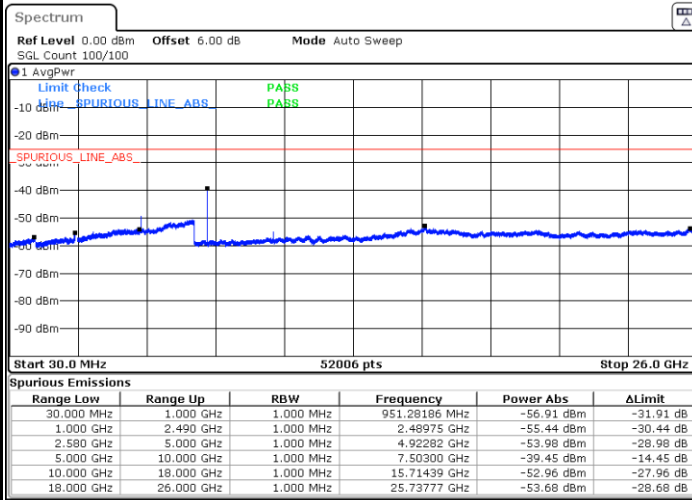


Date: 21.NOV.2024 06:02:15



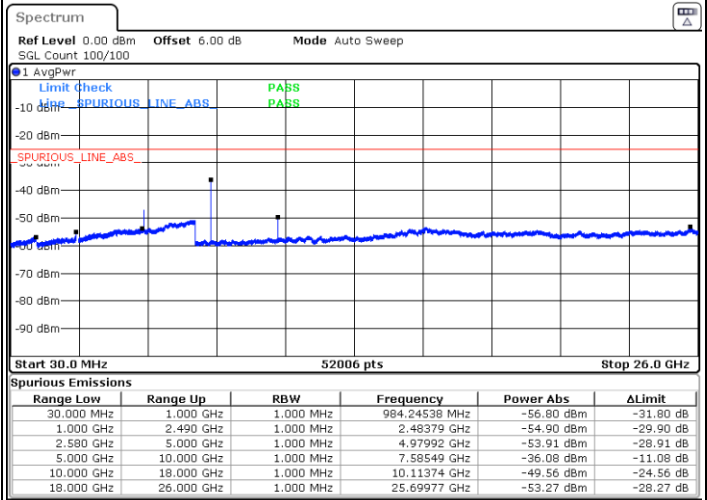
LTE Band 7 / 15MHz

Lowest Channel / QPSK



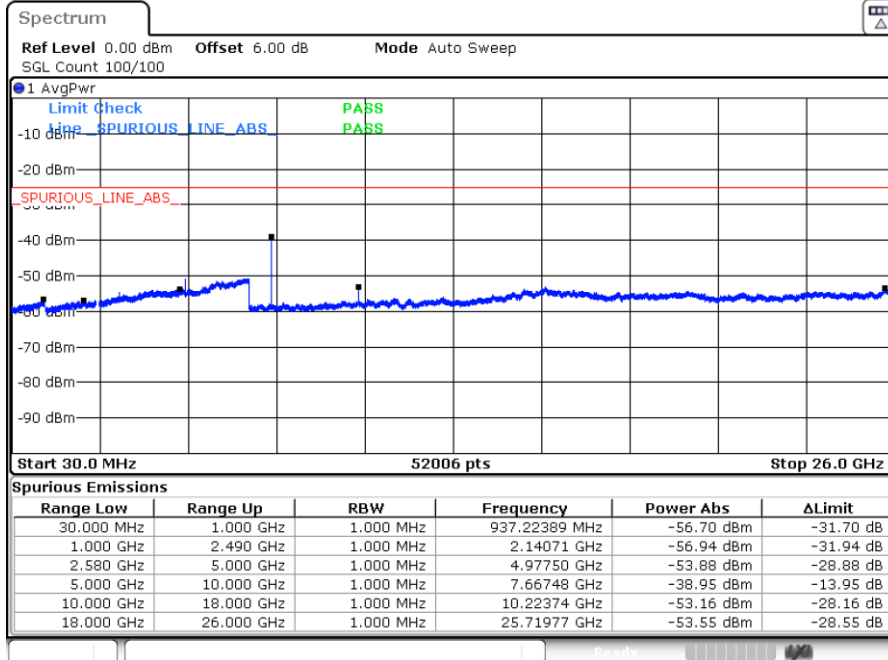
Date: 21.NOV.2024 06:14:27

Middle Channel / QPSK



Date: 21.NOV.2024 06:15:48

Highest Channel / QPSK



Date: 21.NOV.2024 06:17:08