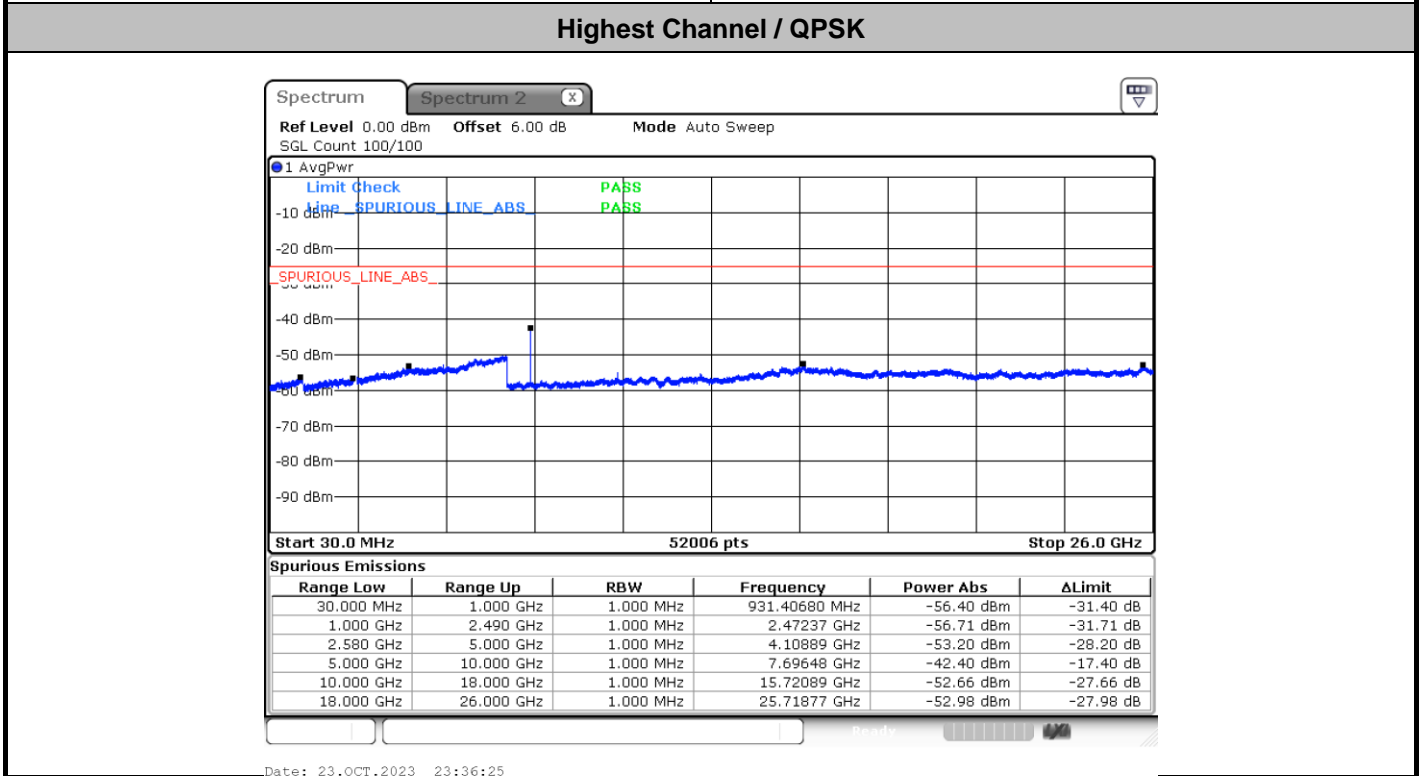
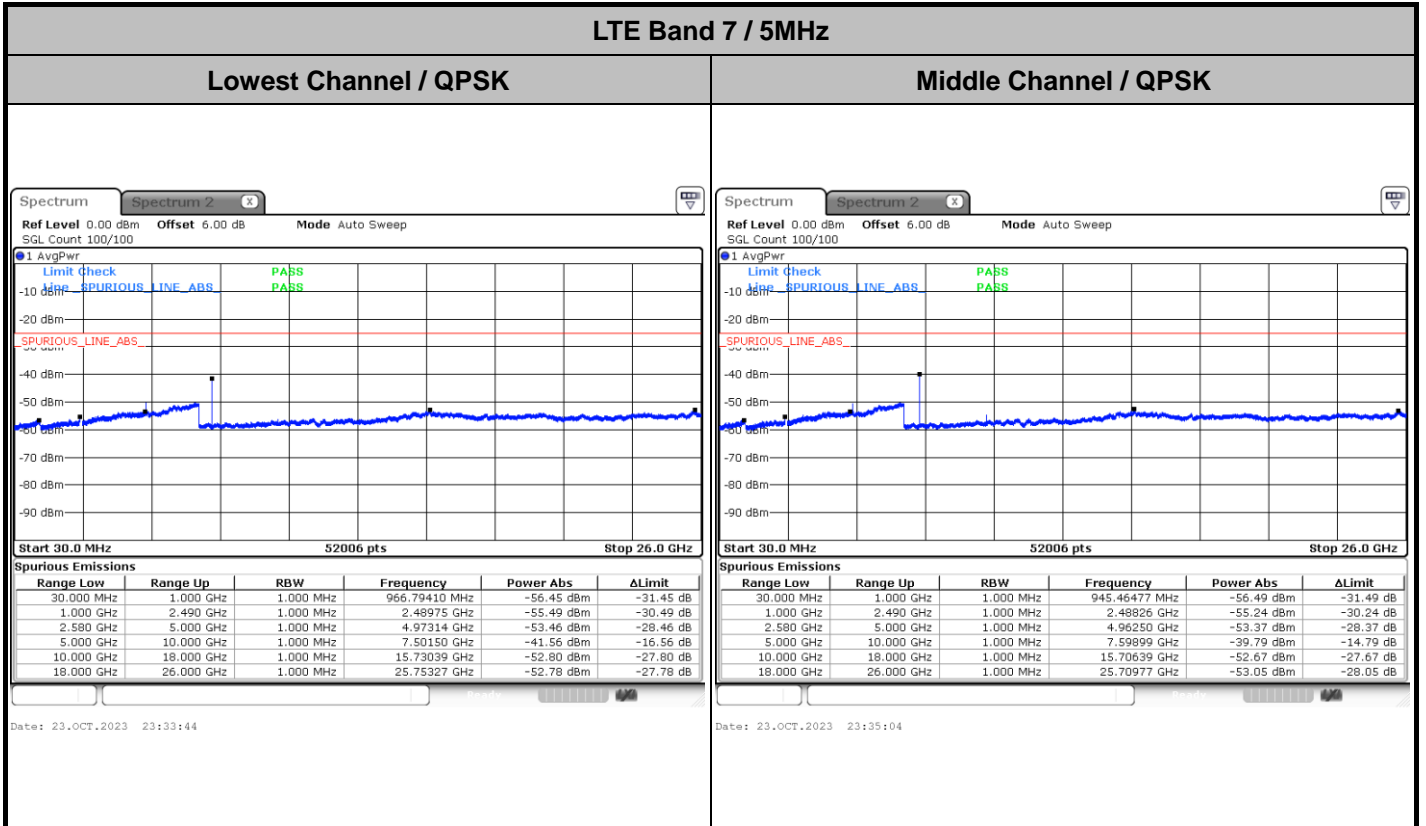




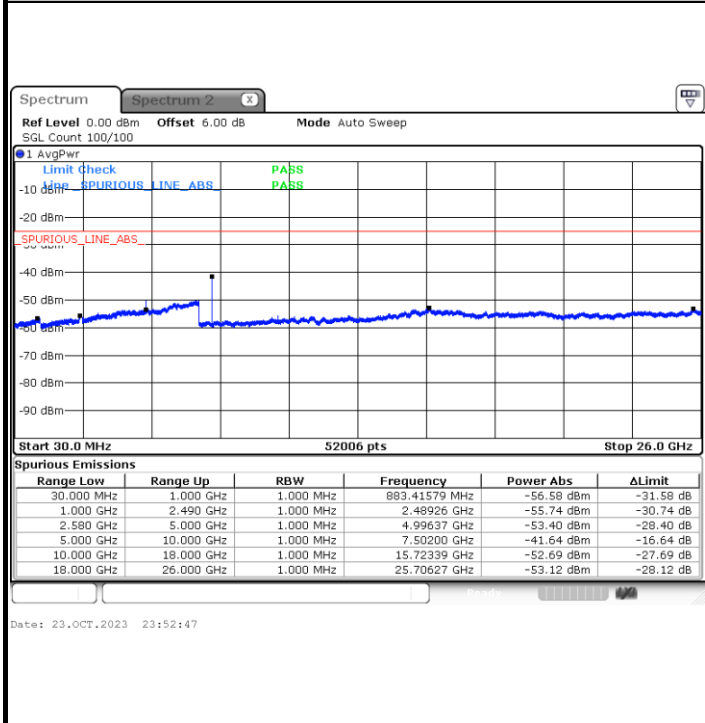
Conducted Spurious Emission



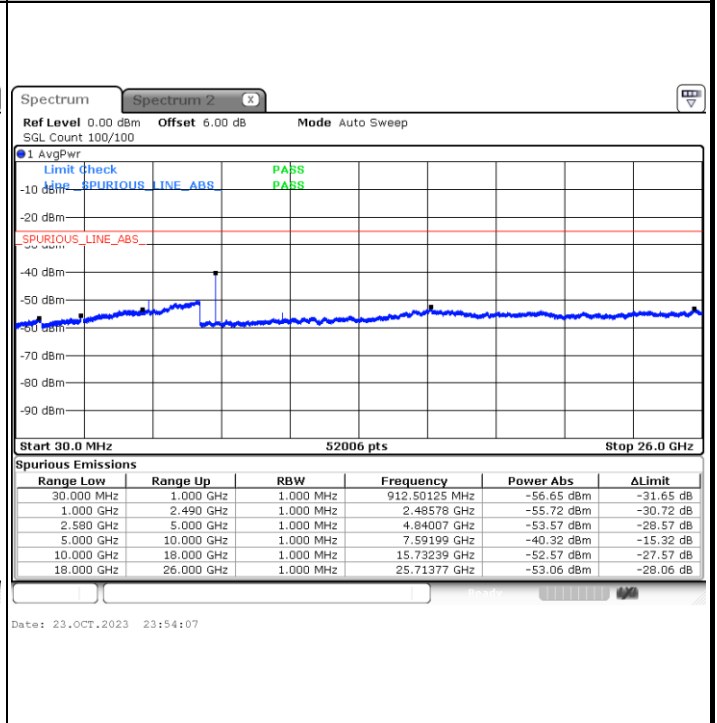


LTE Band 7 / 10MHz

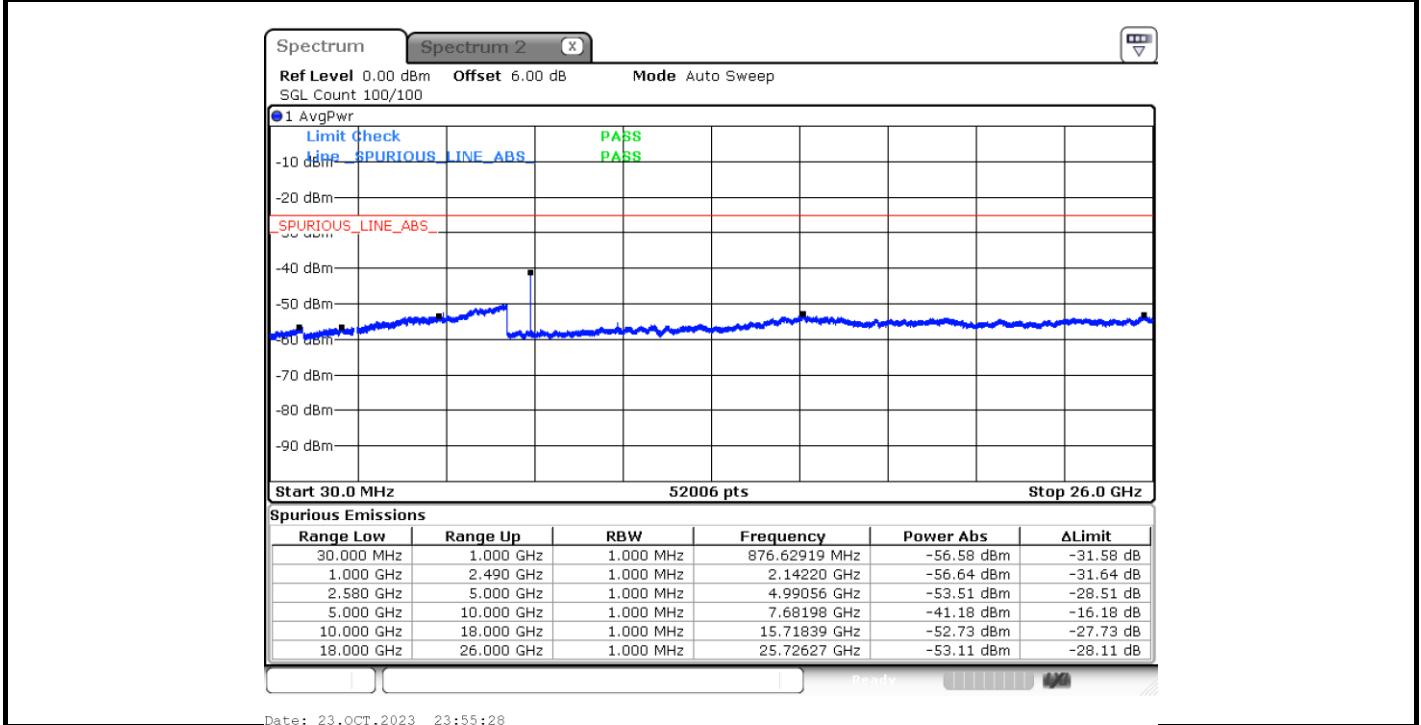
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

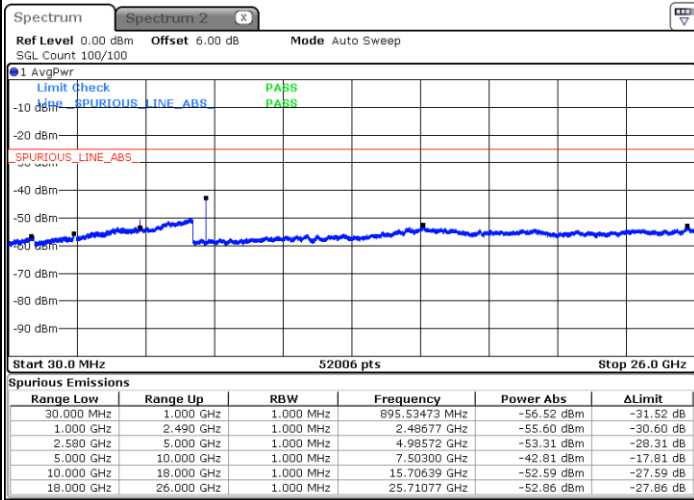




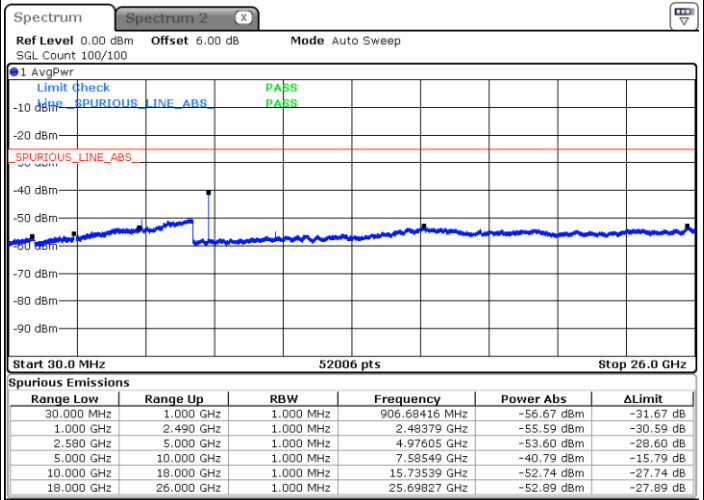
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

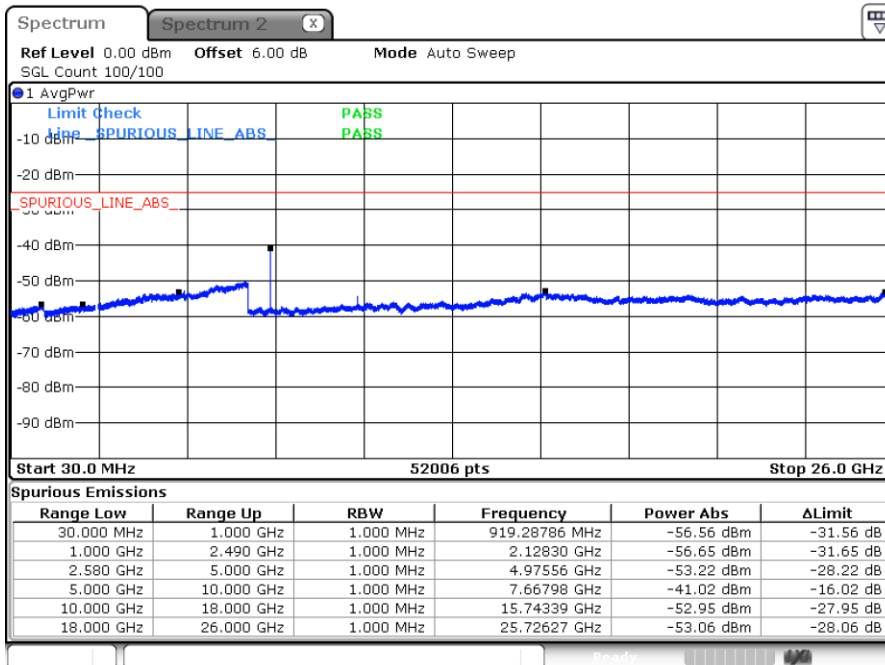


Date: 24.OCT.2023 00:37:28



Date: 24.OCT.2023 00:38:49

Highest Channel / QPSK

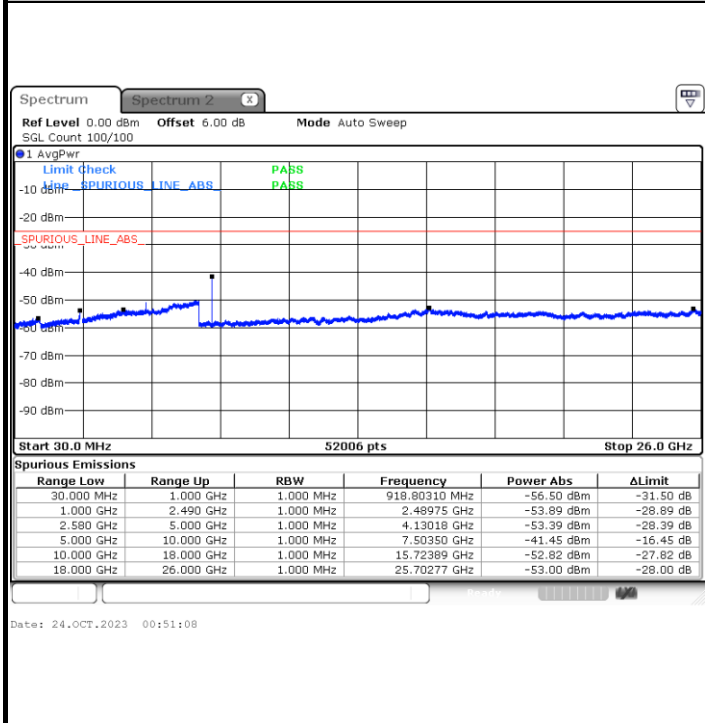


Date: 24.OCT.2023 00:40:09

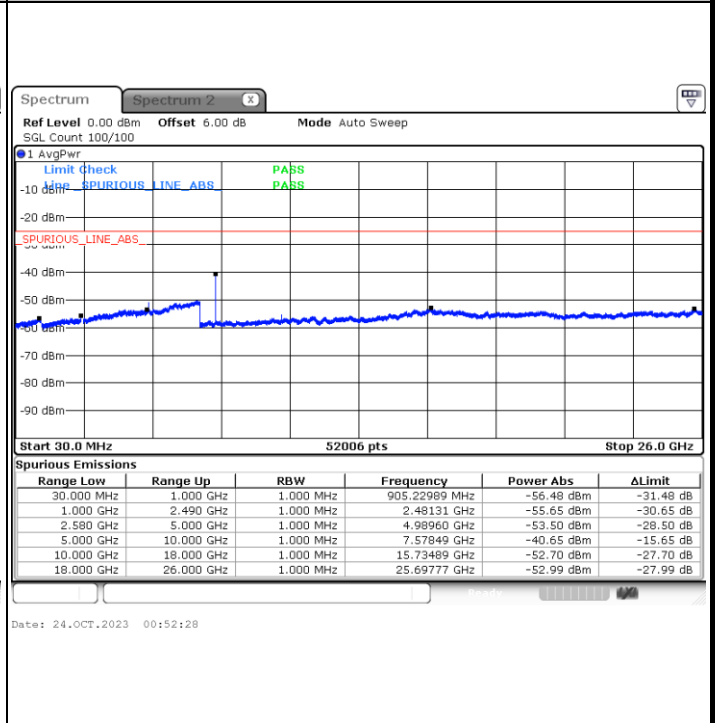


LTE Band 7 / 20MHz

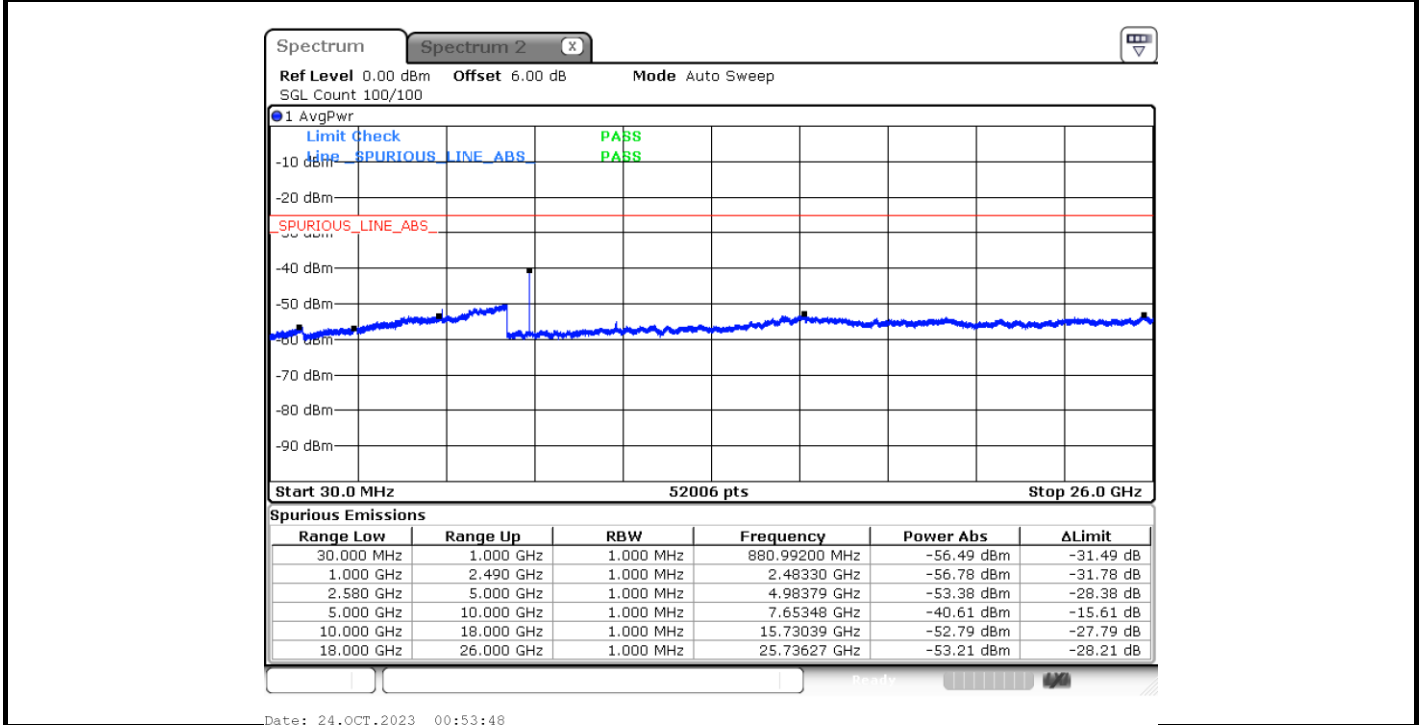
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





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	0.0002	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0056	
20	Maximum Voltage	0.0069	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0005	

Note:

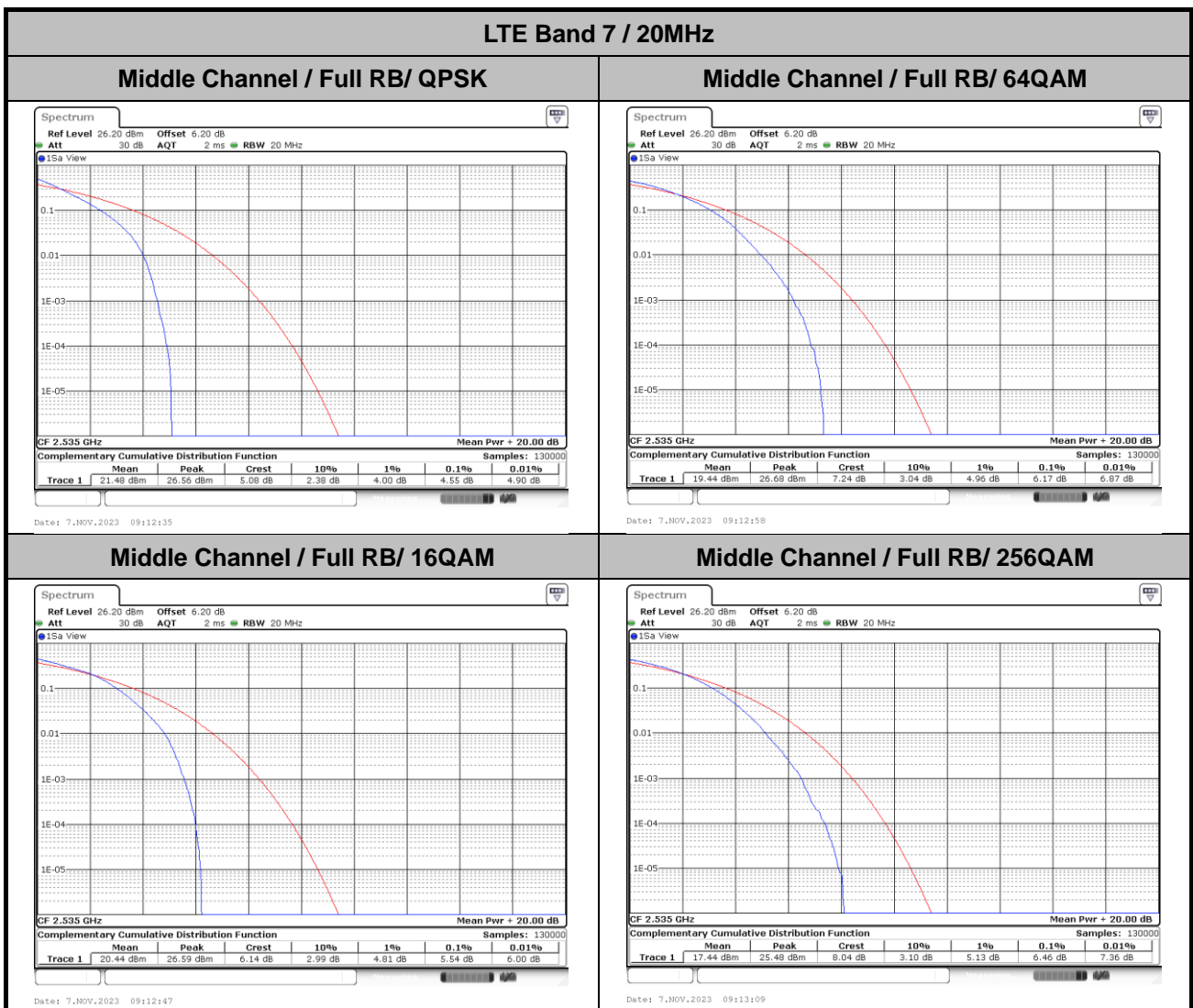
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7 (other PA)

Peak-to-Average Ratio

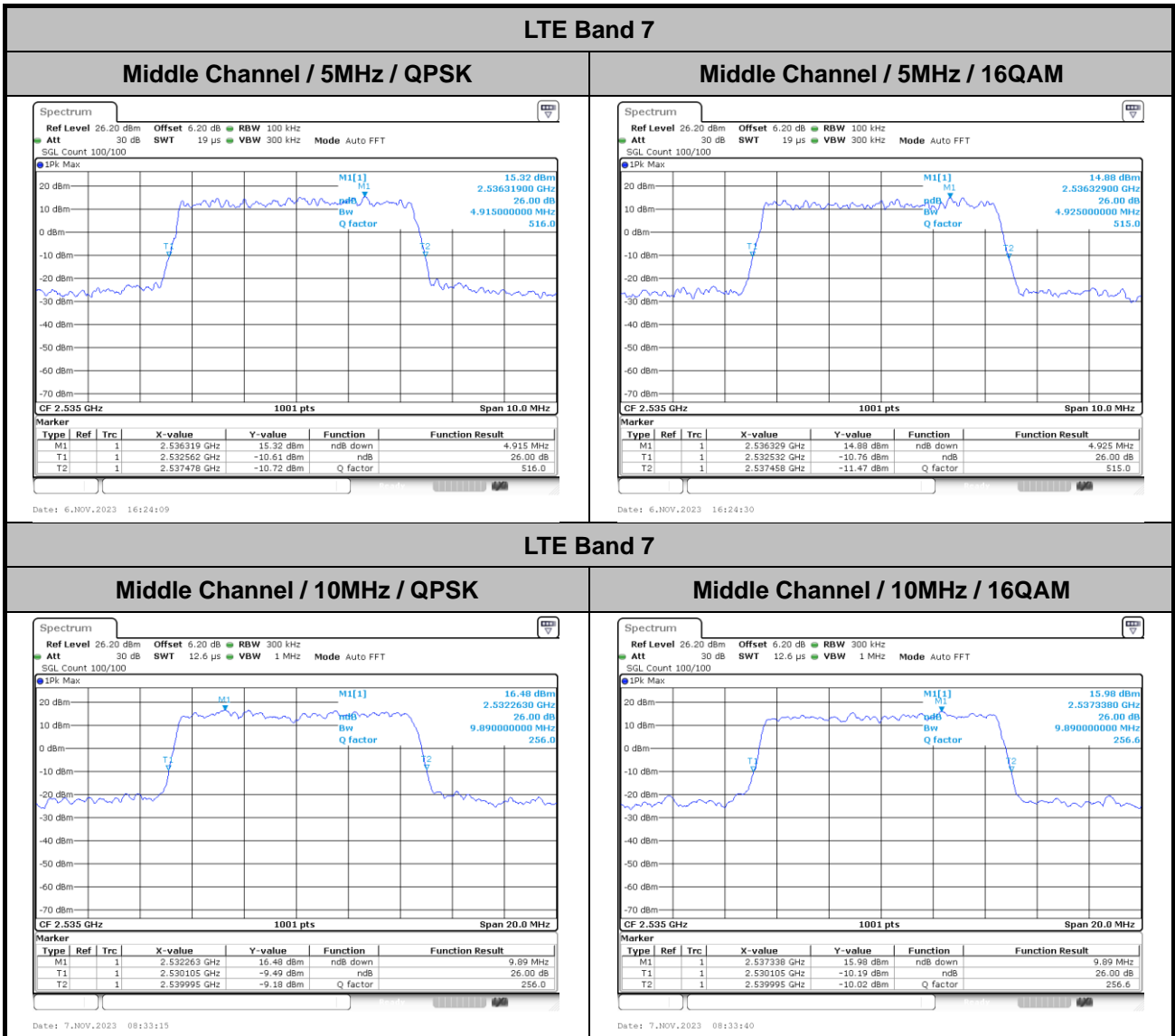
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.55	5.54	6.17	6.46	PASS





26dB Bandwidth

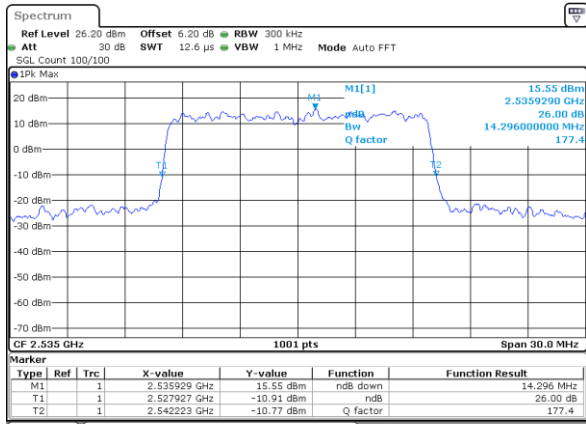
Mode	LTE Band 7 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.92	4.93	9.89	9.89	14.30	14.24	18.98	18.90





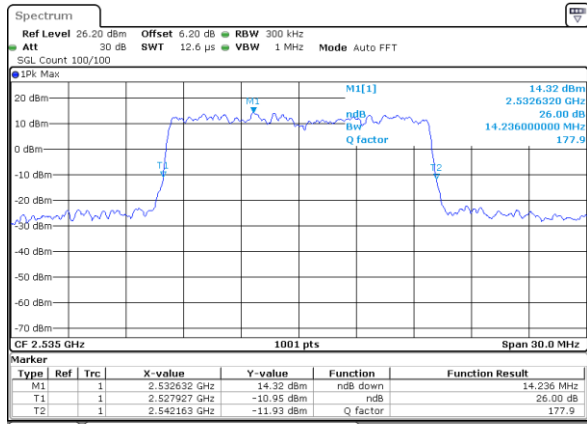
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 7.NOV.2023 08:44:11

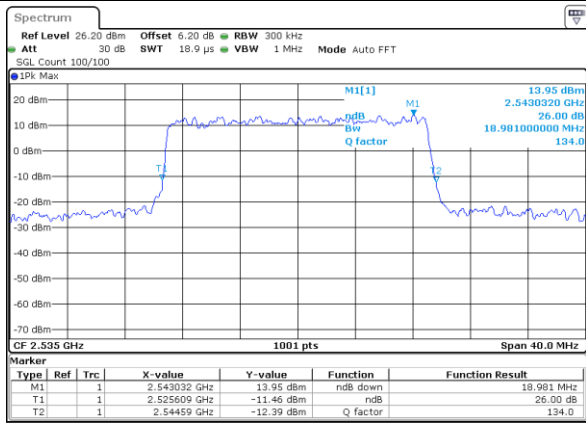
Middle Channel / 15MHz / 16QAM



Date: 7.NOV.2023 08:44:38

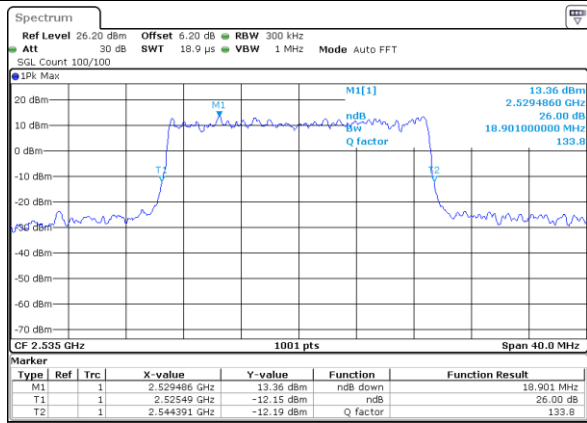
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 7.NOV.2023 09:00:43

Middle Channel / 20MHz / 16QAM

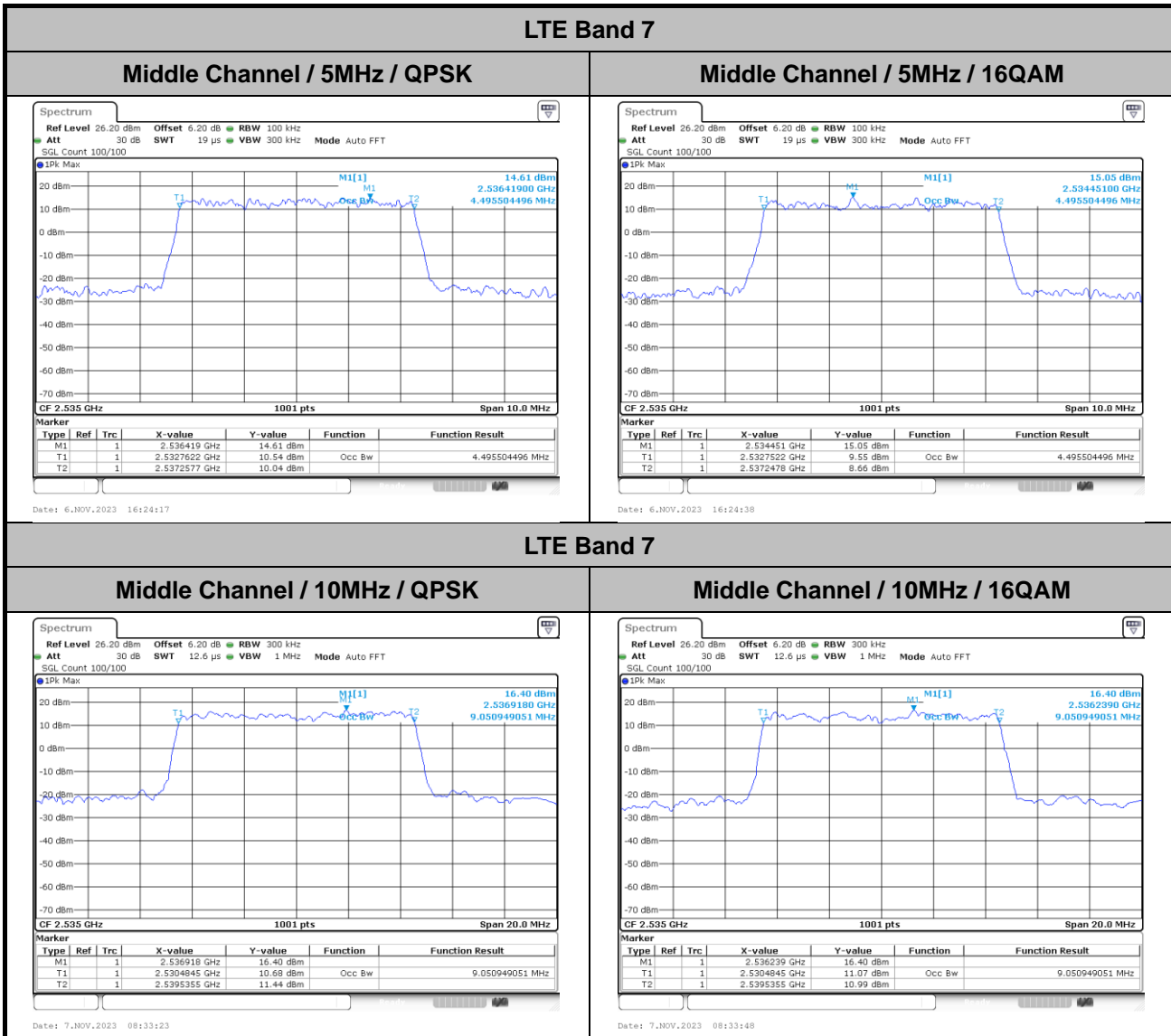


Date: 7.NOV.2023 09:01:25



Occupied Bandwidth

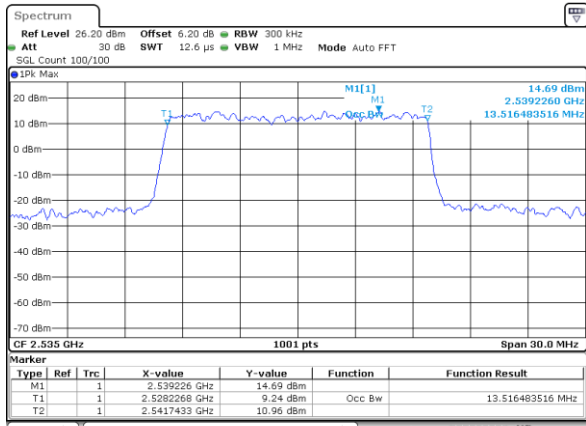
Mode	LTE Band 7 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.50	4.50	9.05	9.05	13.52	13.46	17.98	17.86





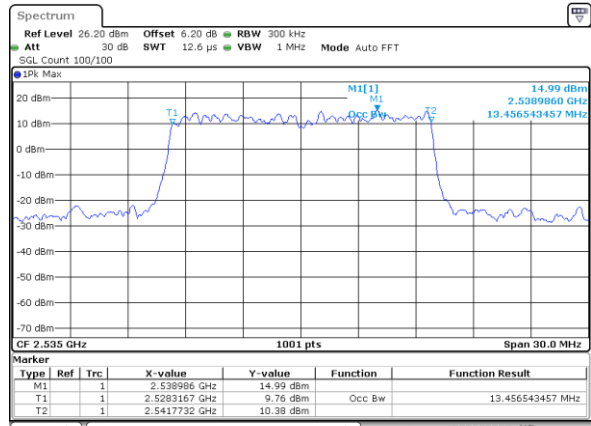
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 7.NOV.2023 08:44:19

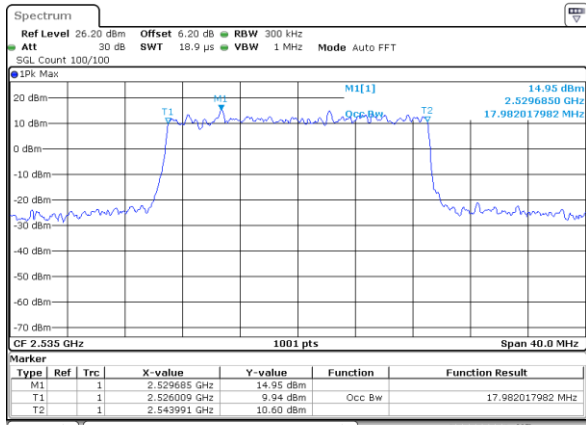
Middle Channel / 15MHz / 16QAM



Date: 7.NOV.2023 08:44:54

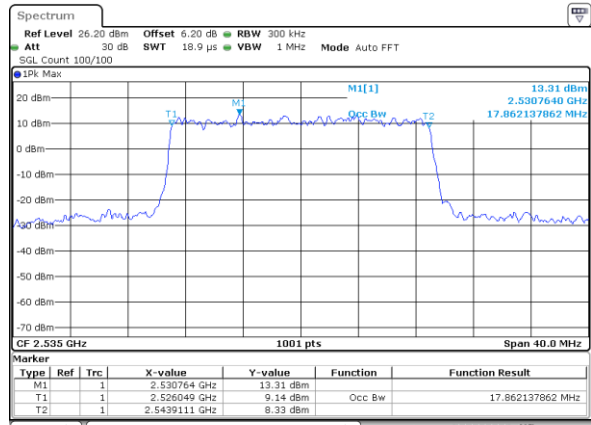
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 7.NOV.2023 09:01:12

Middle Channel / 20MHz / 16QAM



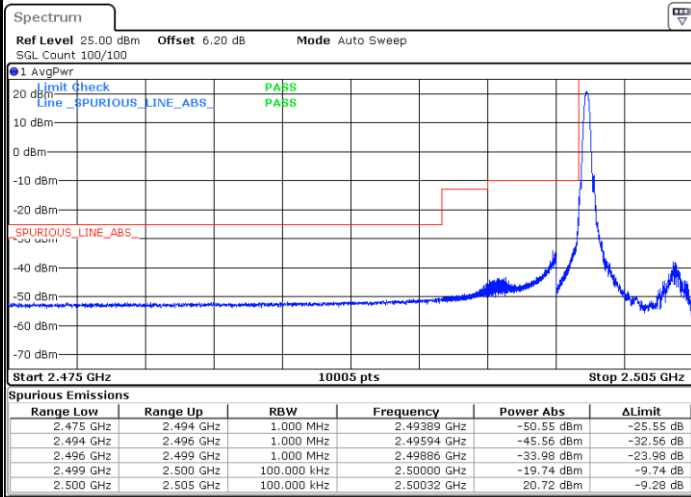
Date: 7.NOV.2023 09:01:32



Conducted Band Edge

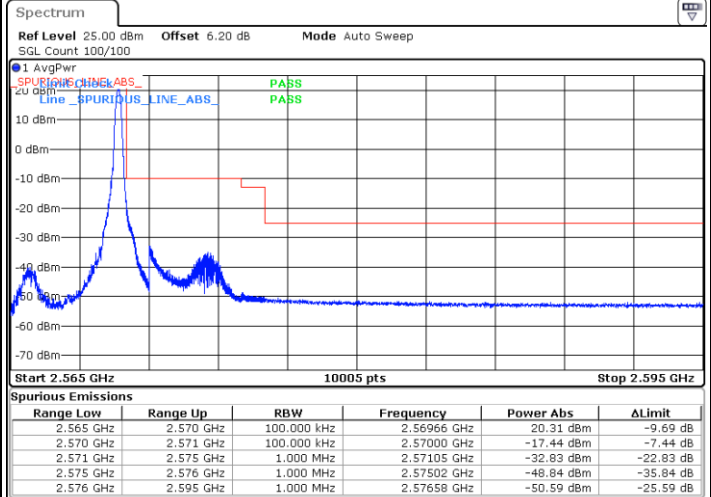
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



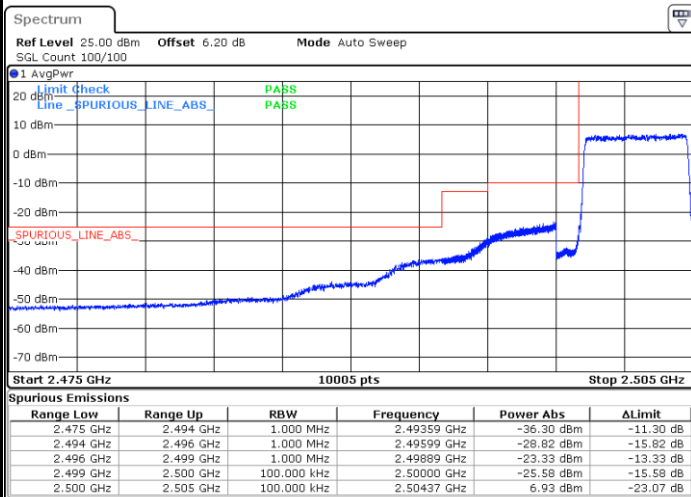
Date: 6.NOV.2023 16:11:32

Highest Band Edge / 1 RB



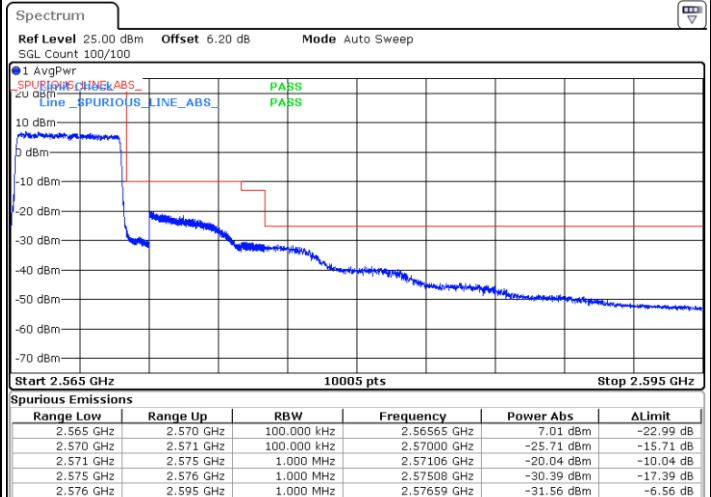
Date: 6.NOV.2023 16:26:48

Lowest Band Edge / Full RB



Date: 6.NOV.2023 16:15:28

Highest Band Edge / Full RB

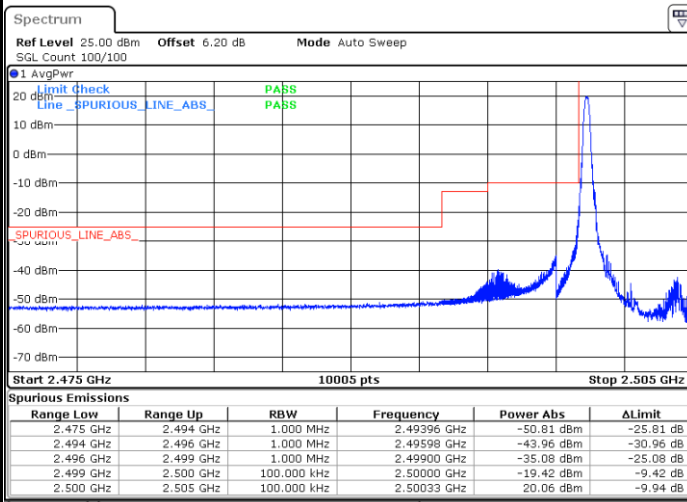


Date: 6.NOV.2023 16:27:56



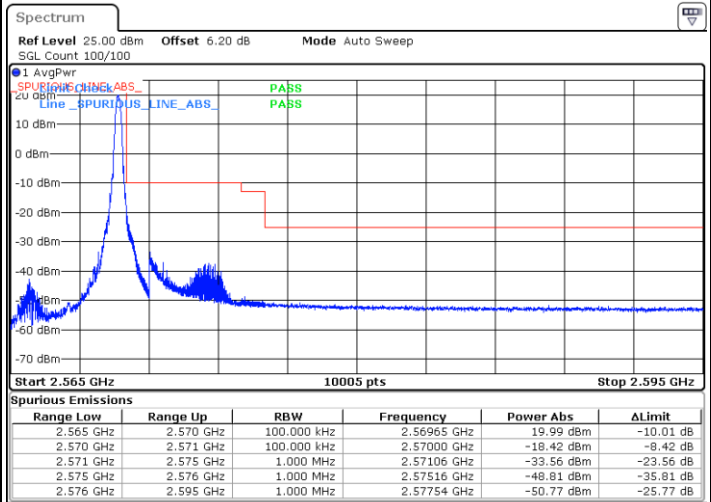
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



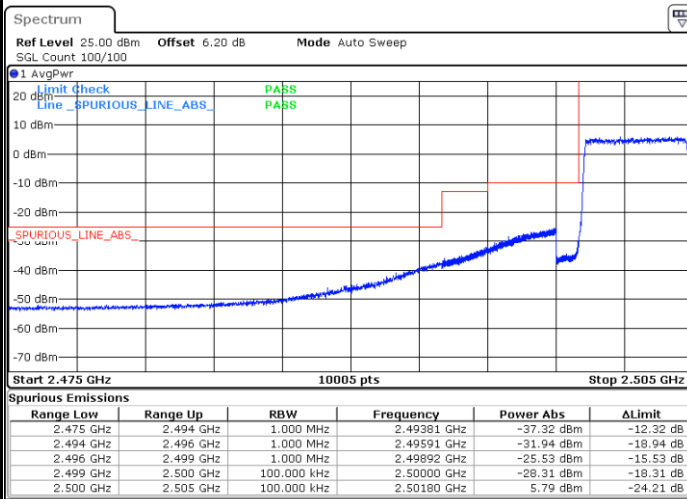
Date: 6.NOV.2023 16:11:52

Highest Band Edge / 1 RB



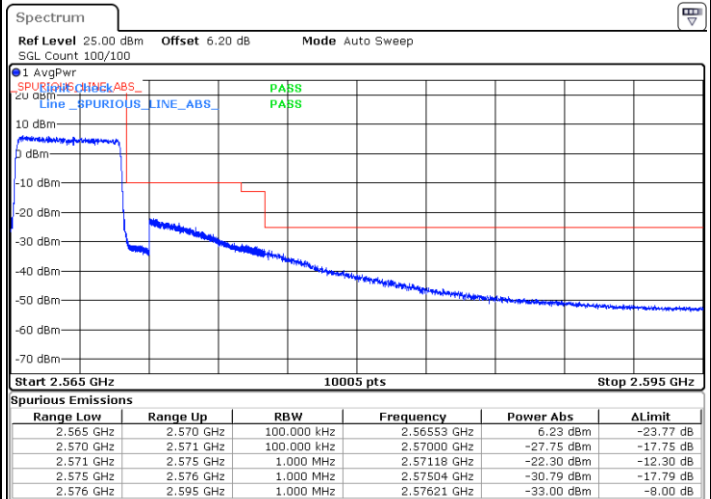
Date: 6.NOV.2023 16:27:04

Lowest Band Edge / Full RB



Date: 6.NOV.2023 16:15:49

Highest Band Edge / Full RB

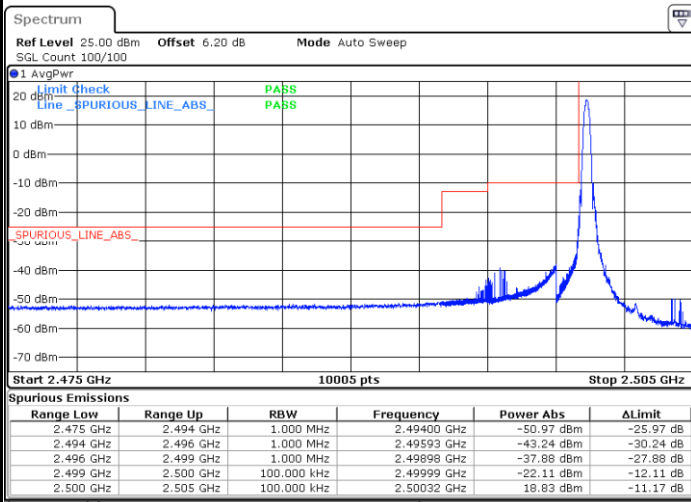


Date: 6.NOV.2023 16:28:17



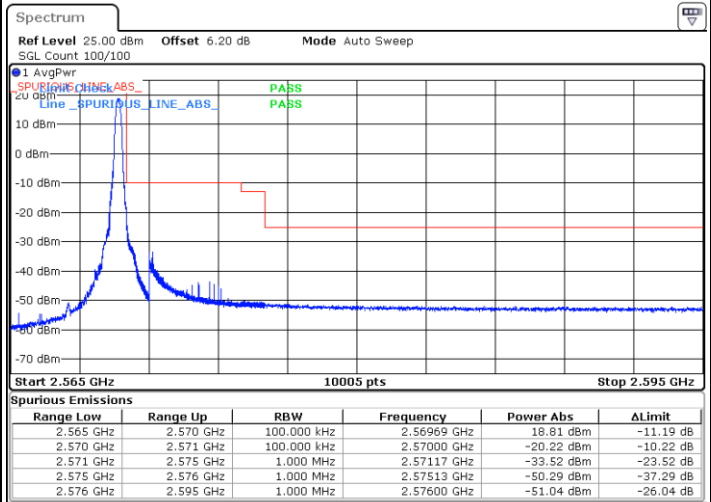
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



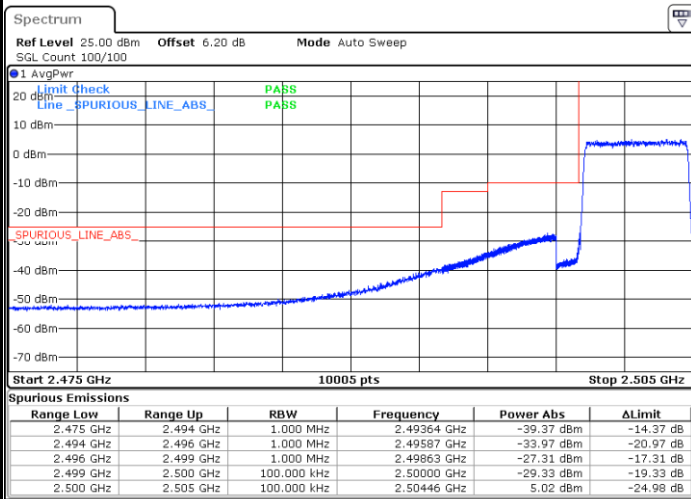
Date: 6.NOV.2023 16:12:55

Highest Band Edge / 1 RB



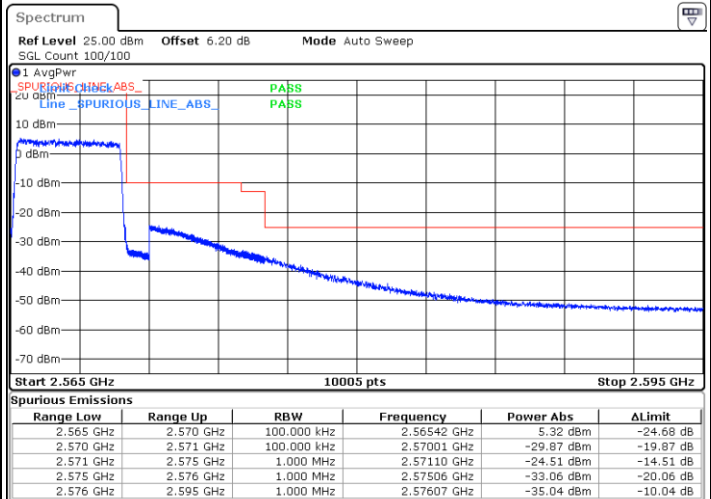
Date: 6.NOV.2023 16:27:21

Lowest Band Edge / Full RB



Date: 6.NOV.2023 16:16:53

Highest Band Edge / Full RB

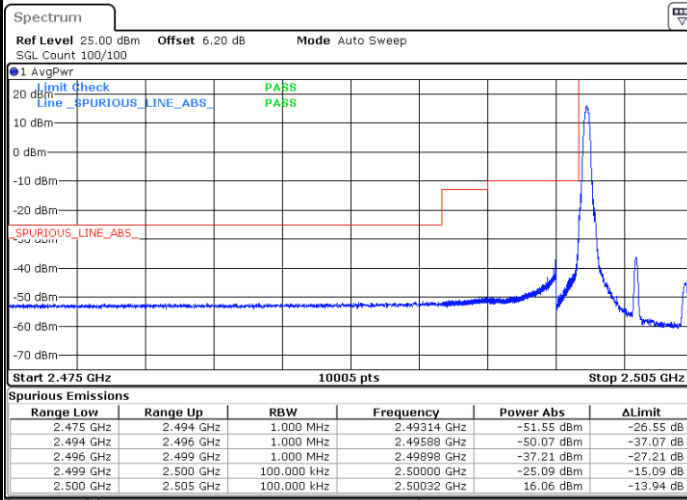


Date: 6.NOV.2023 16:29:53



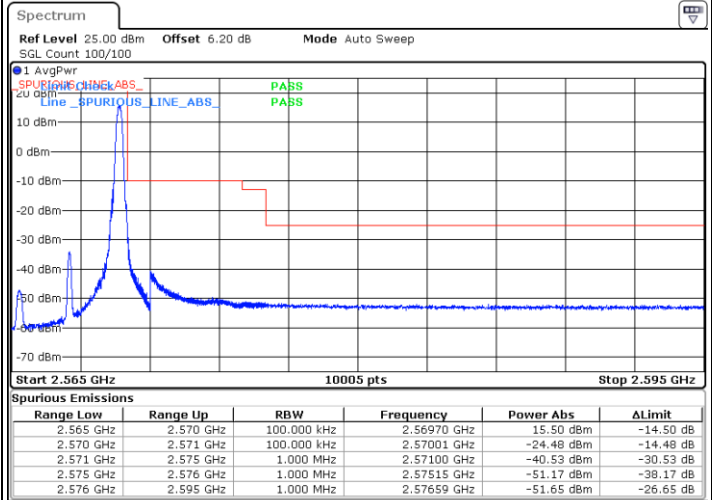
LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB



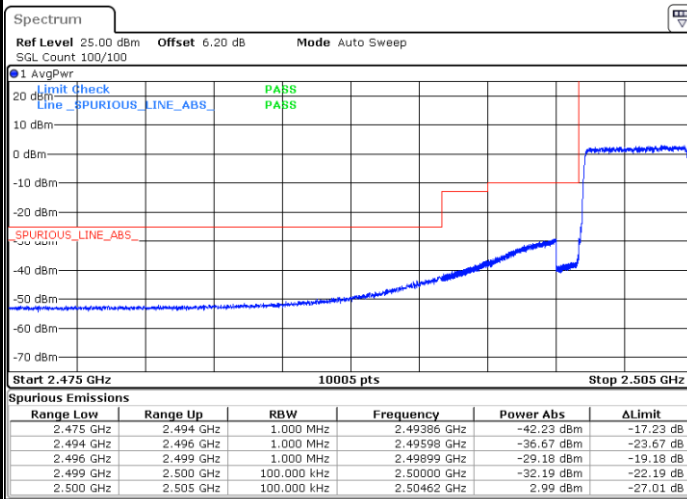
Date: 6.NOV.2023 16:14:24

Highest Band Edge / 1 RB



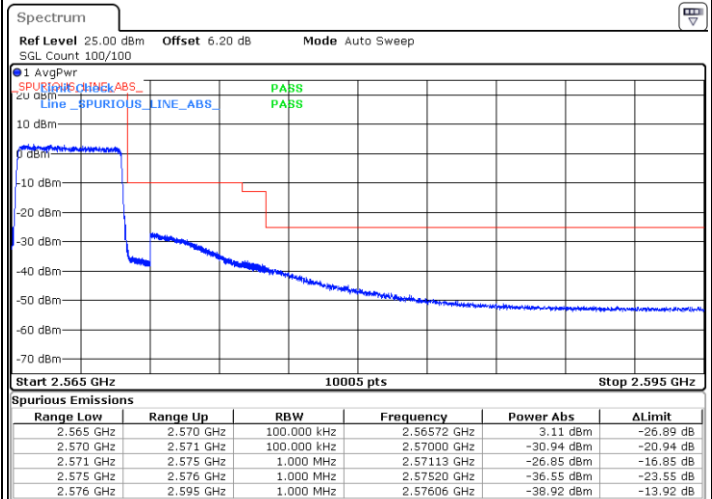
Date: 6.NOV.2023 16:27:38

Lowest Band Edge / Full RB



Date: 6.NOV.2023 16:17:20

Highest Band Edge / Full RB



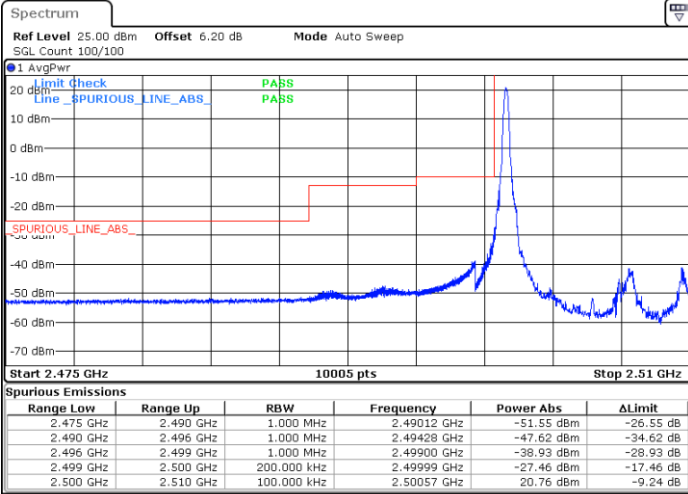
Date: 6.NOV.2023 16:30:24



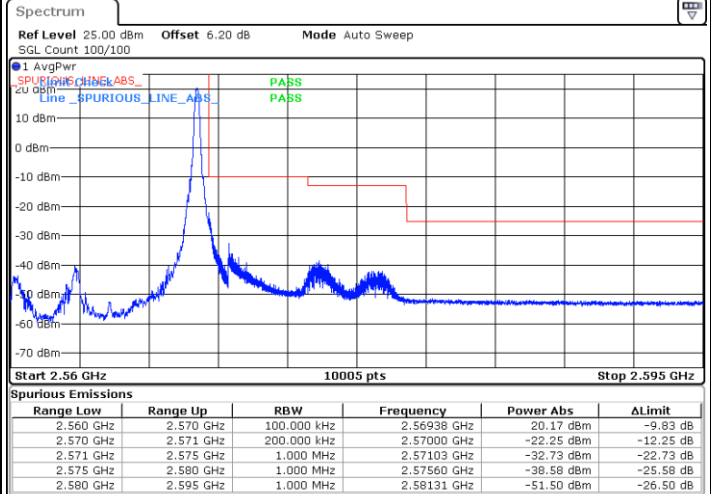
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



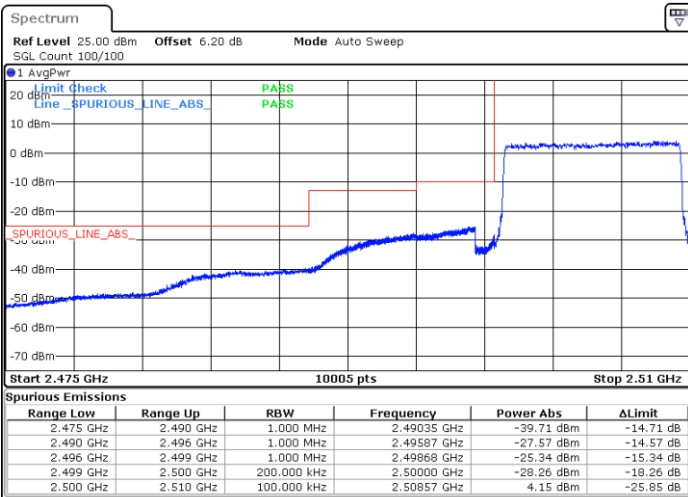
Date: 7.NOV.2023 08:04:07



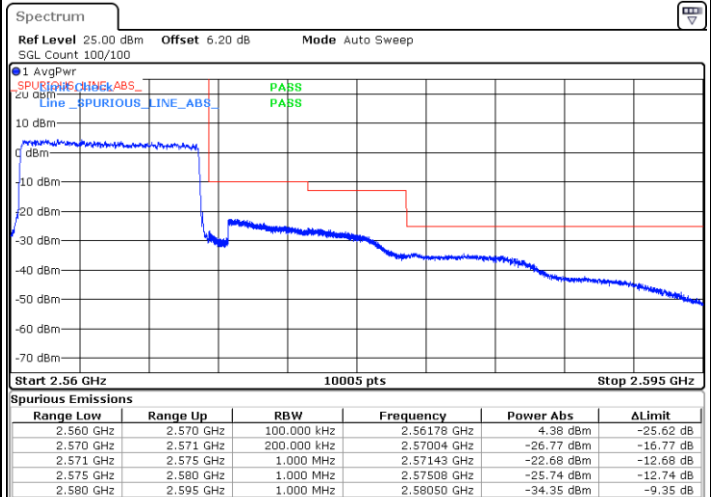
Date: 7.NOV.2023 08:26:30

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.NOV.2023 08:13:21



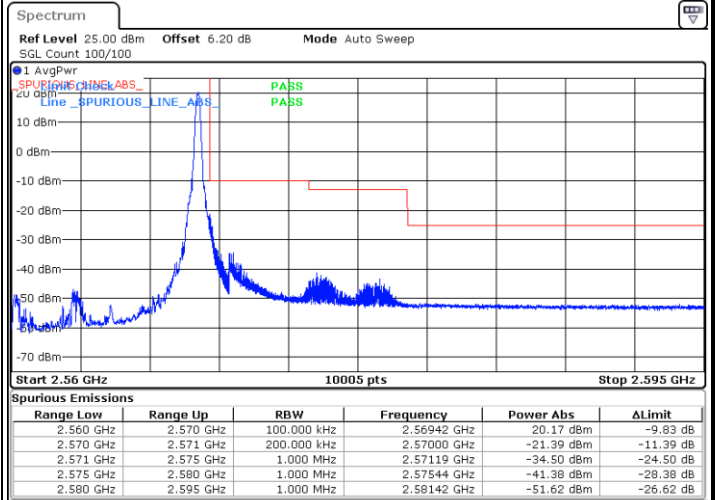
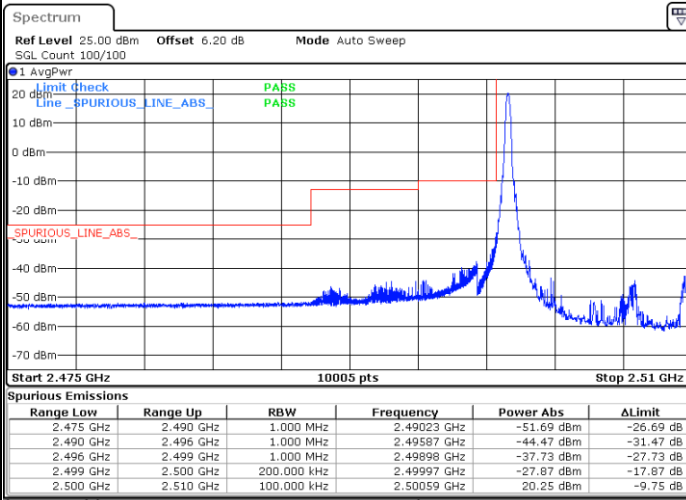
Date: 7.NOV.2023 08:29:49



LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

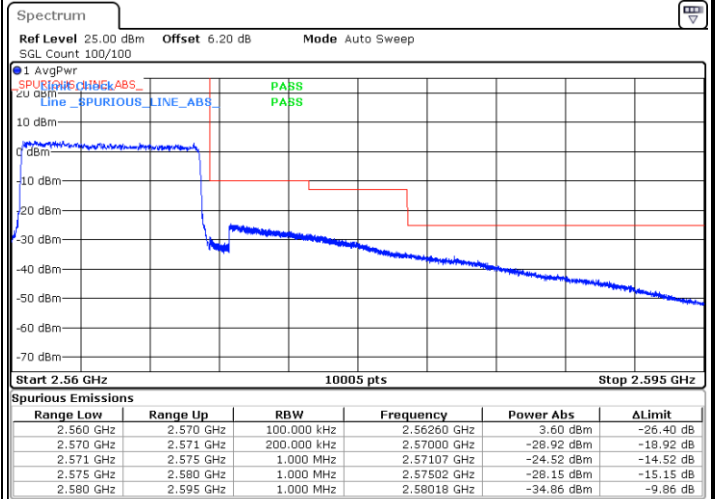
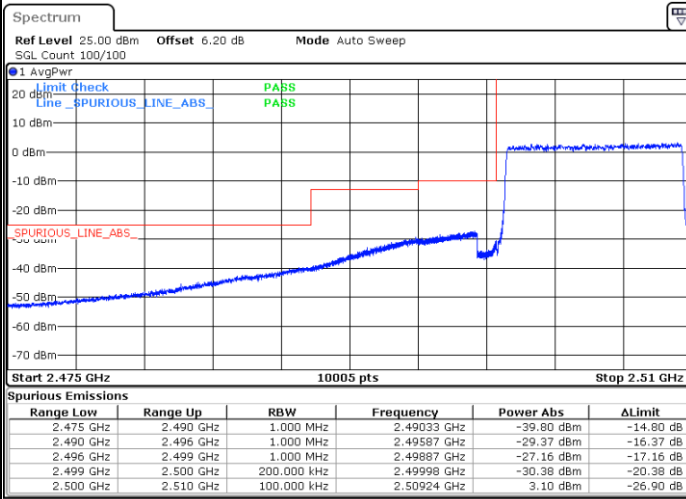


Date: 7.NOV.2023 08:04:54

Date: 7.NOV.2023 08:27:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



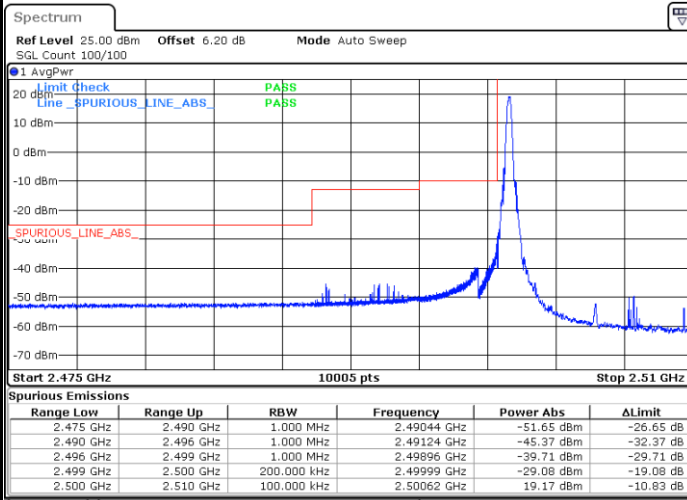
Date: 7.NOV.2023 08:14:13

Date: 7.NOV.2023 08:30:13



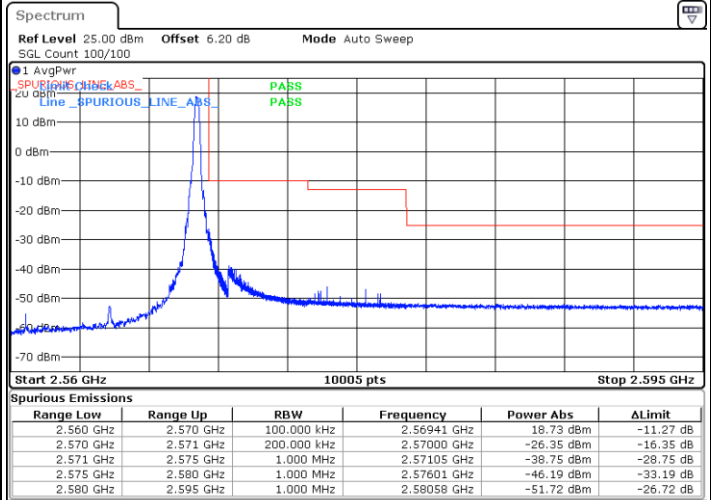
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



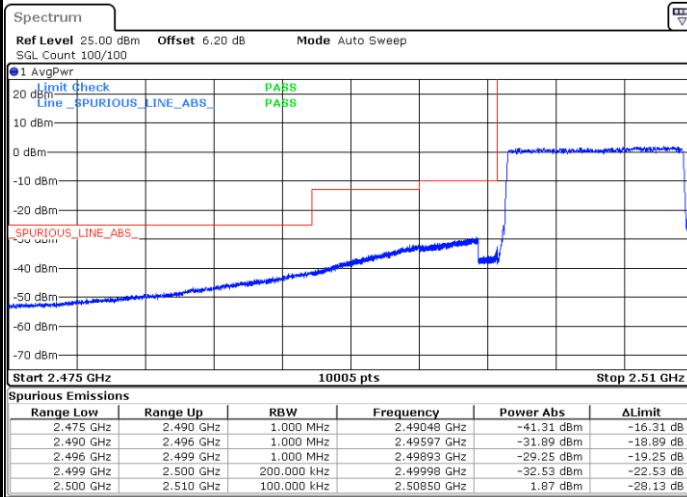
Date: 7.NOV.2023 08:05:41

Highest Band Edge / 1 RB



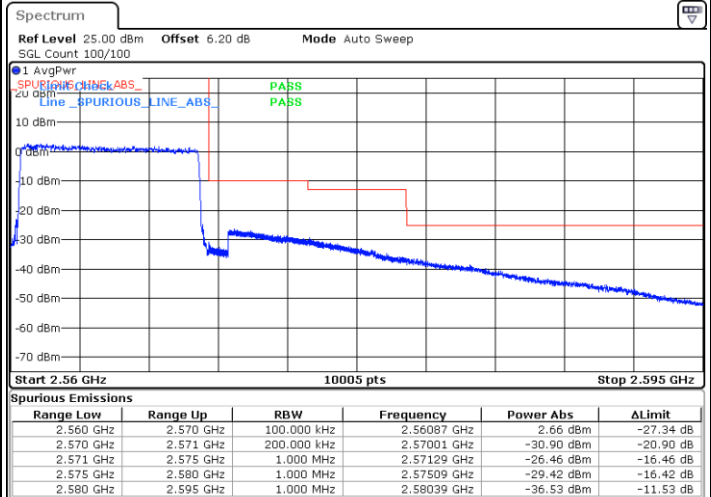
Date: 7.NOV.2023 08:28:11

Lowest Band Edge / Full RB



Date: 7.NOV.2023 08:15:07

Highest Band Edge / Full RB

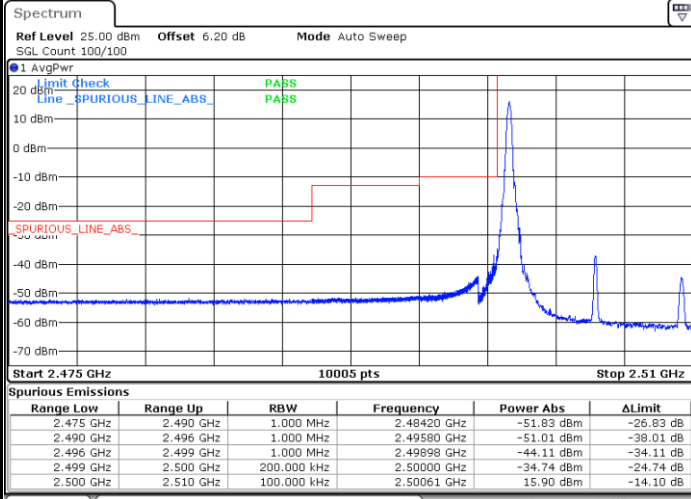


Date: 7.NOV.2023 08:30:38



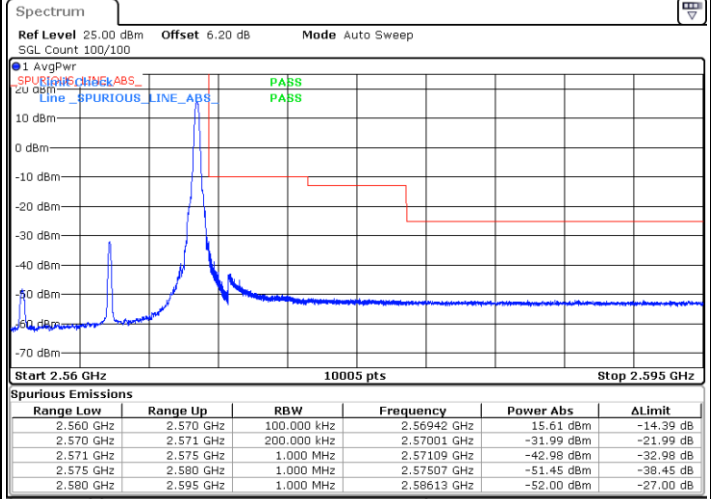
LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



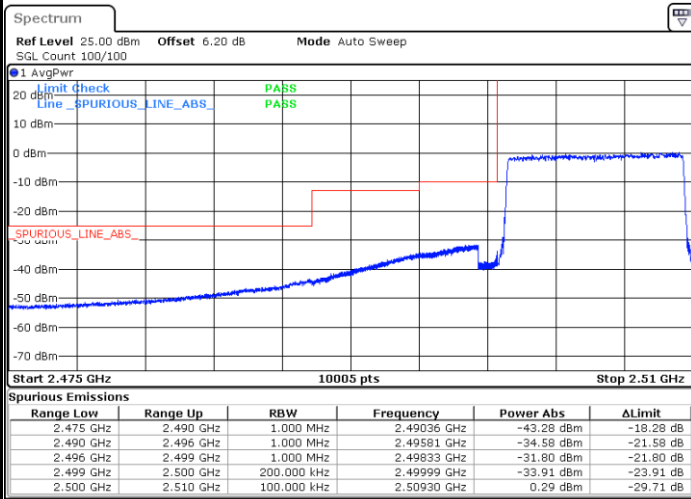
Date: 7.NOV.2023 08:08:19

Highest Band Edge / 1 RB



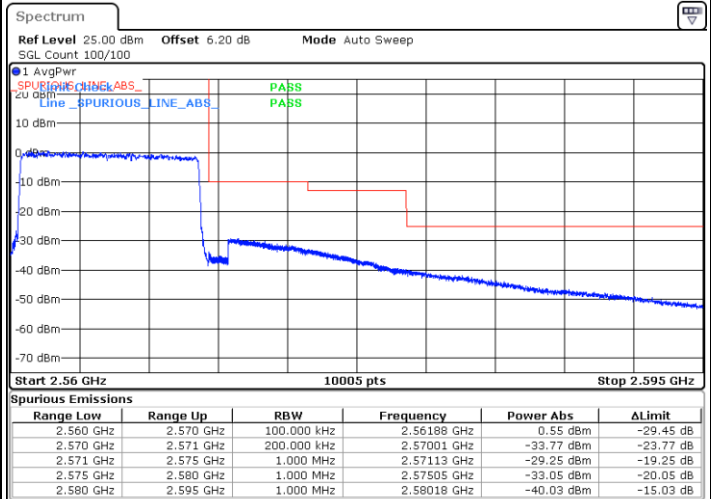
Date: 7.NOV.2023 08:29:14

Lowest Band Edge / Full RB



Date: 7.NOV.2023 08:17:16

Highest Band Edge / Full RB

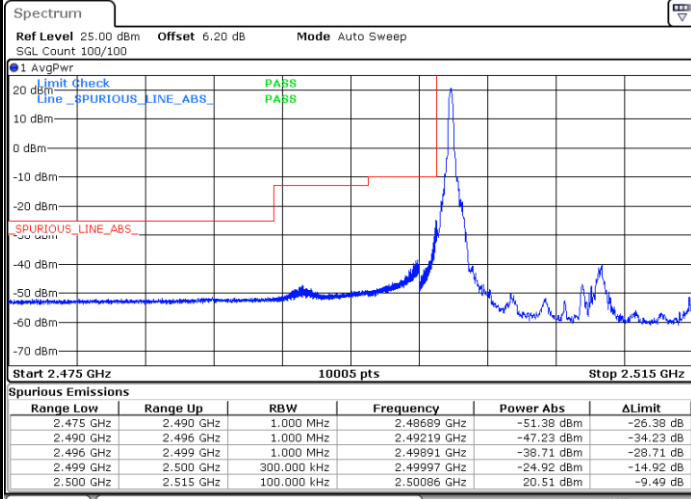


Date: 7.NOV.2023 08:30:56

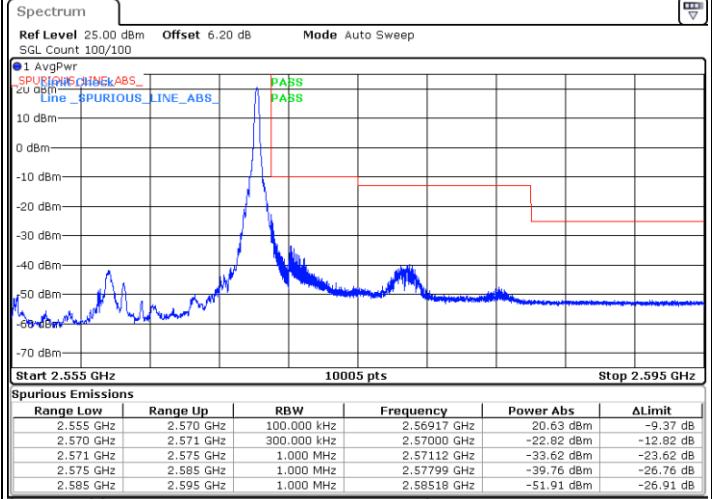


LTE Band 7 / 15MHz / QPSK

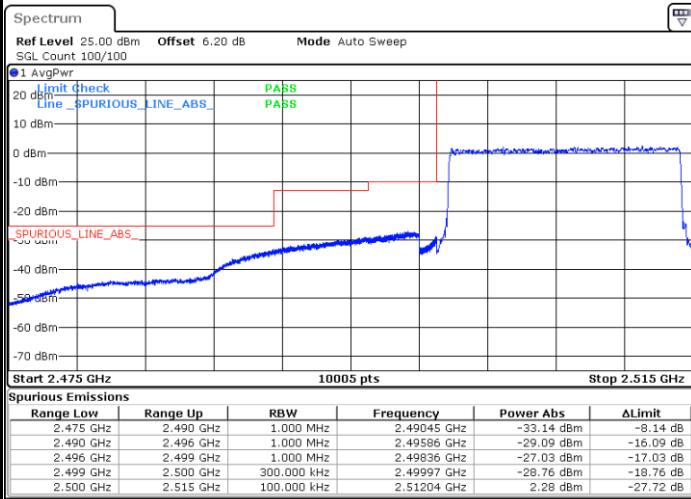
Lowest Band Edge / 1 RB



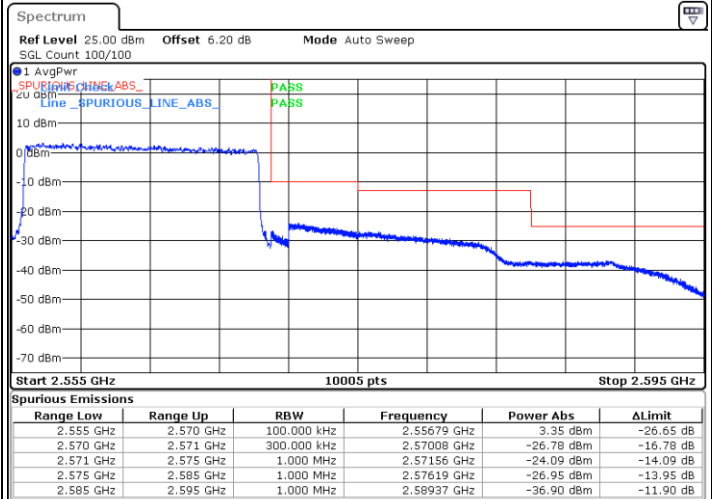
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



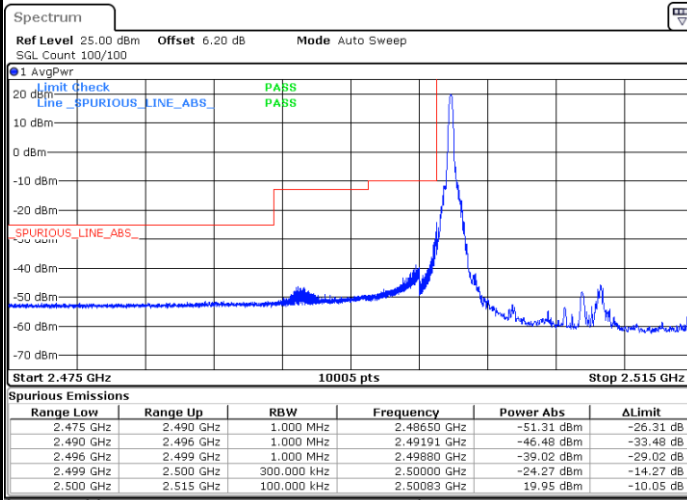
Highest Band Edge / Full RB





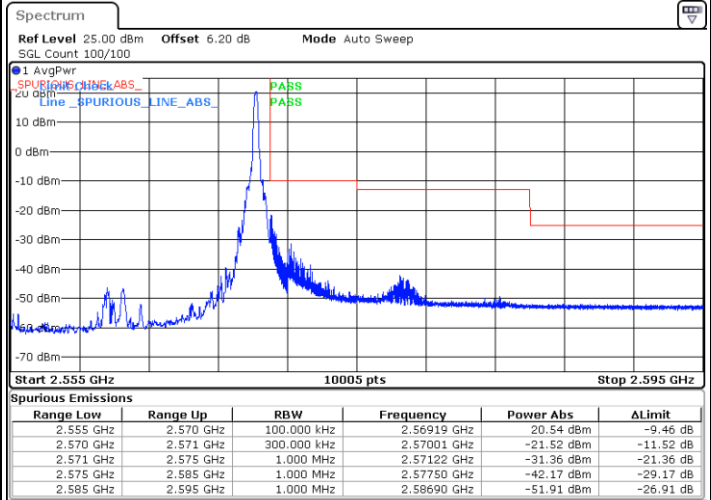
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



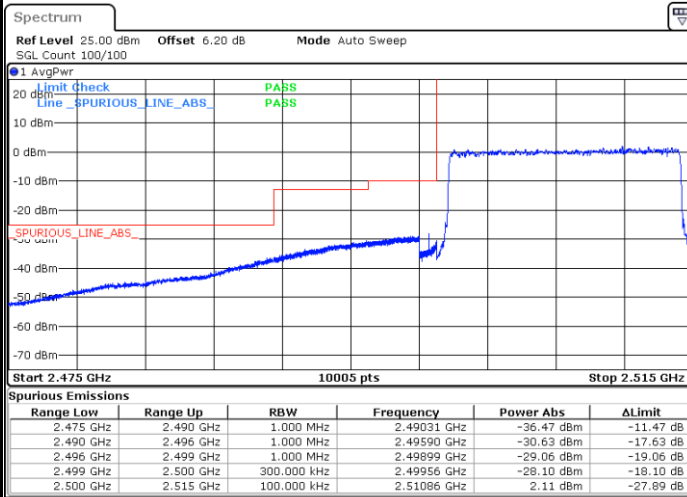
Date: 7.NOV.2023 08:38:44

Highest Band Edge / 1 RB



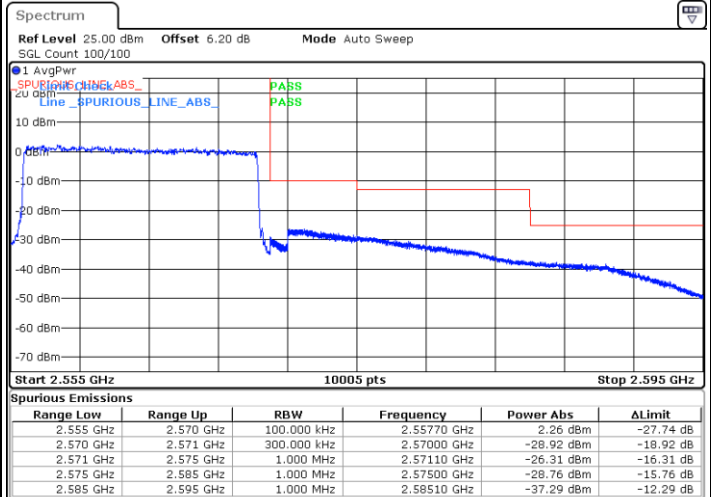
Date: 7.NOV.2023 08:47:50

Lowest Band Edge / Full RB



Date: 7.NOV.2023 08:41:36

Highest Band Edge / Full RB

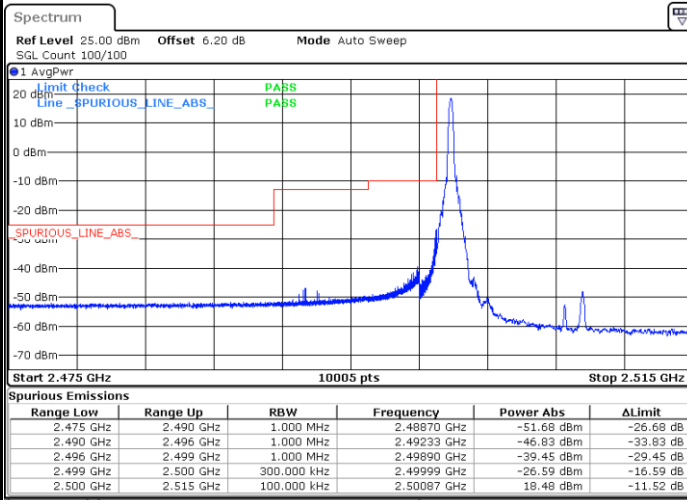


Date: 7.NOV.2023 08:49:56



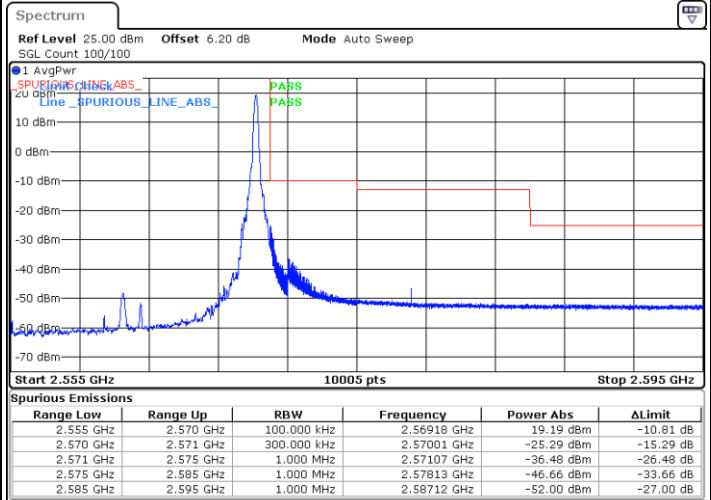
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



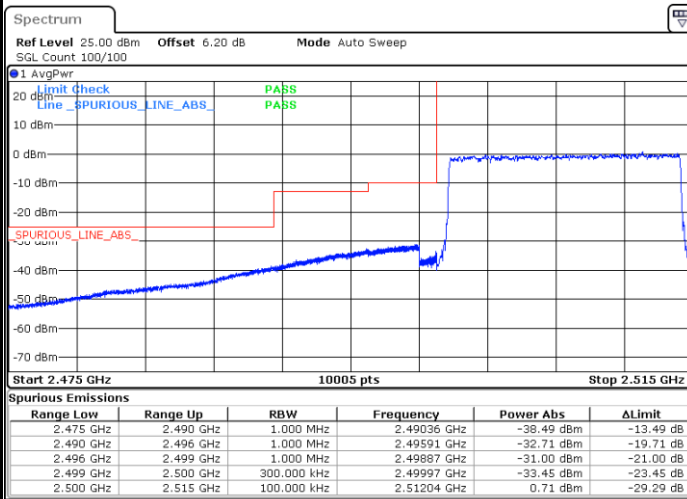
Date: 7.NOV.2023 08:39:35

Highest Band Edge / 1 RB



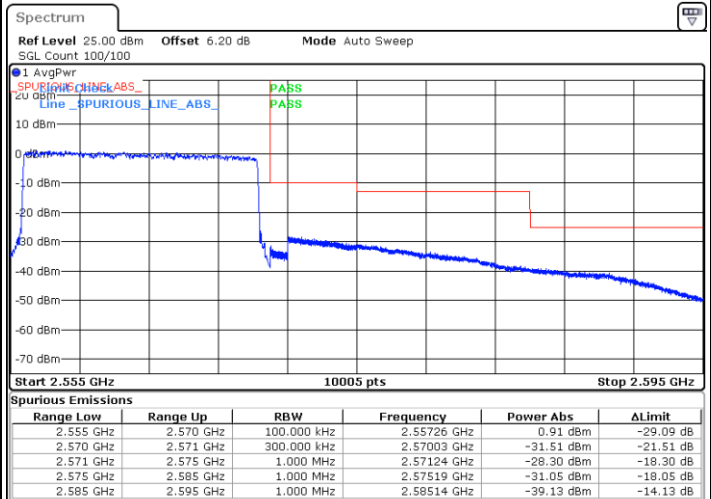
Date: 7.NOV.2023 08:48:44

Lowest Band Edge / Full RB



Date: 7.NOV.2023 08:41:52

Highest Band Edge / Full RB

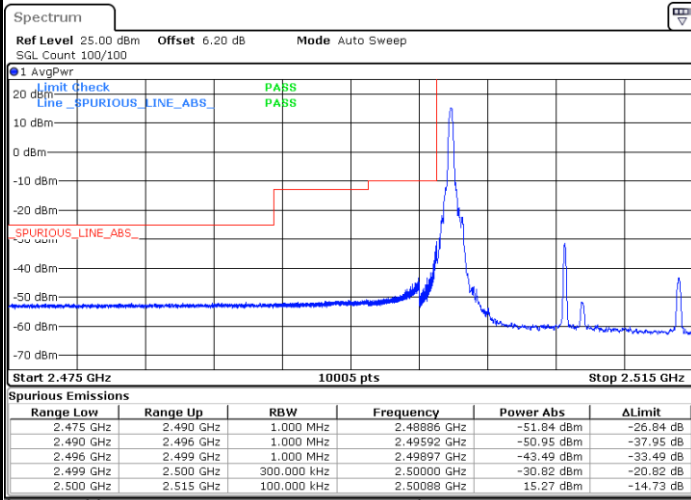


Date: 7.NOV.2023 08:50:12

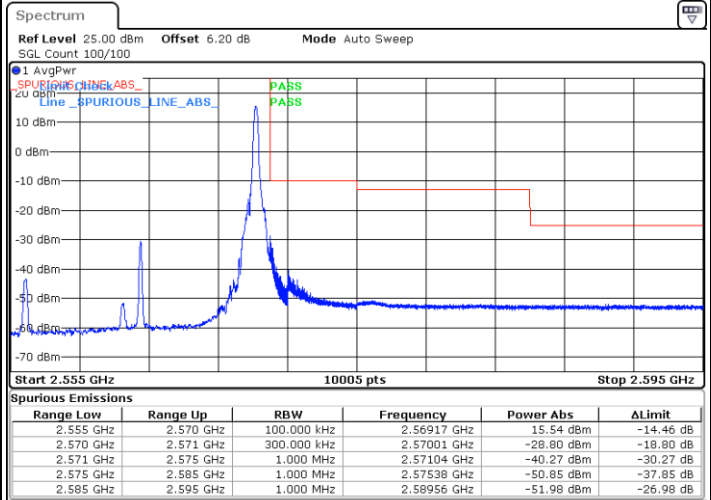


LTE Band 7 / 15MHz / 256QAM

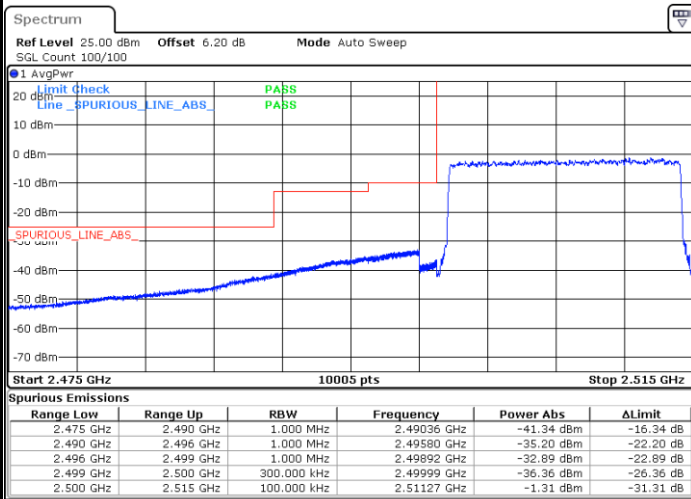
Lowest Band Edge / 1 RB



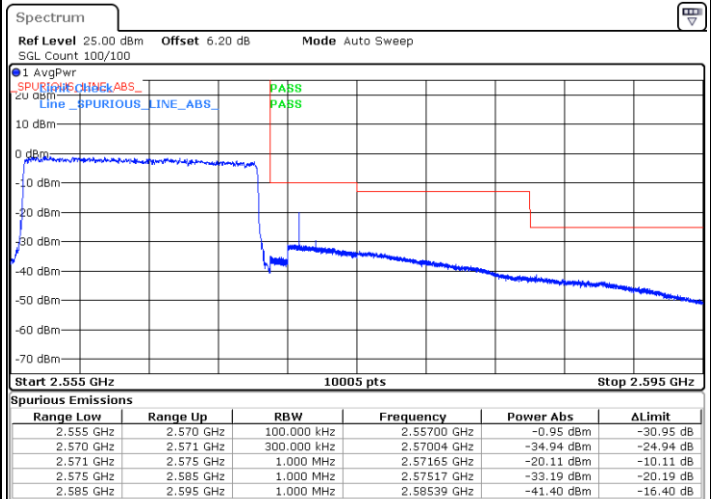
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

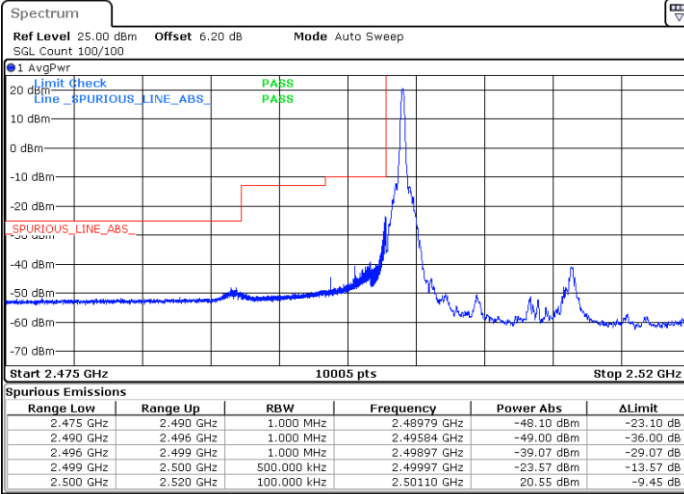




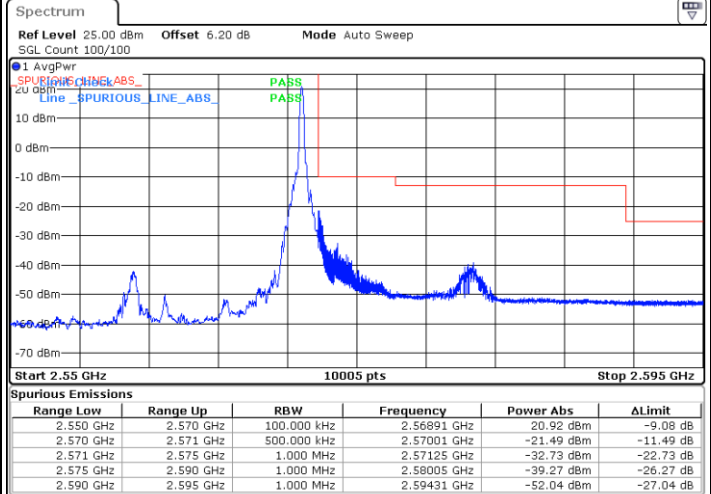
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



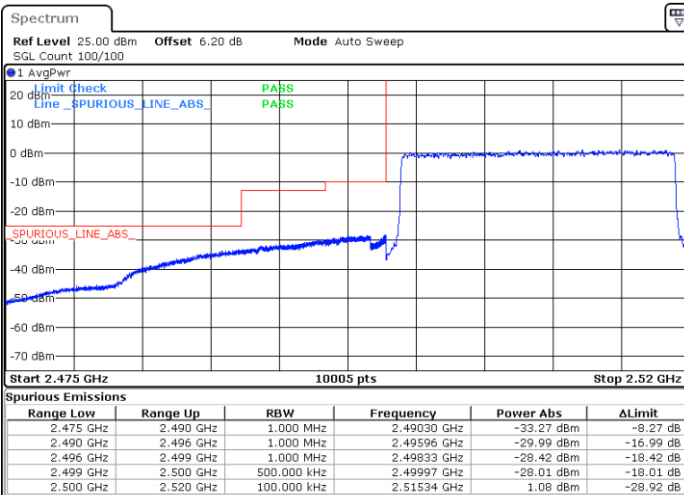
Date: 7.NOV.2023 08:53:43



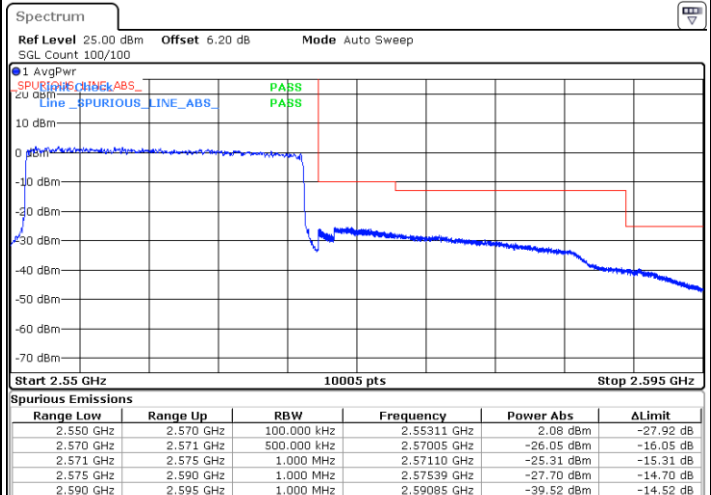
Date: 7.NOV.2023 09:07:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.NOV.2023 08:54:55



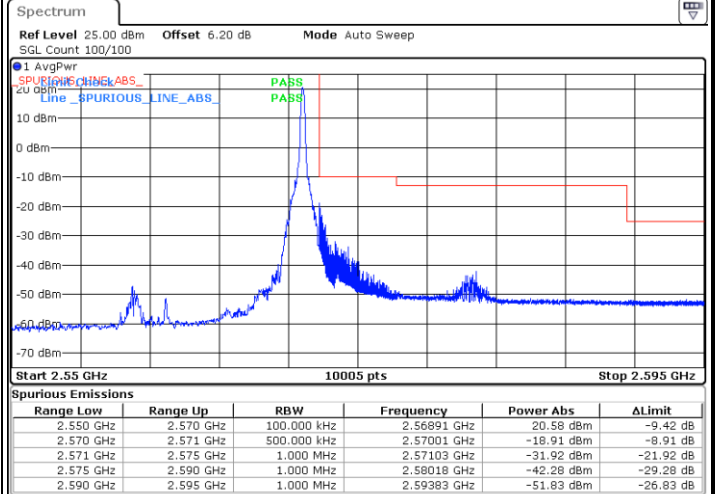
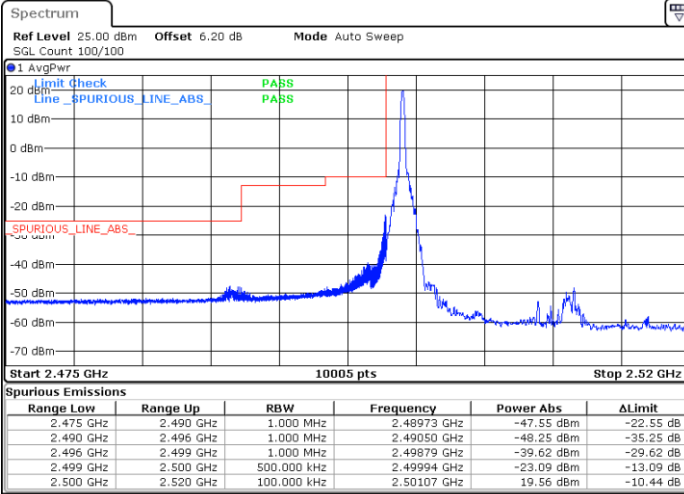
Date: 7.NOV.2023 09:08:57



LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

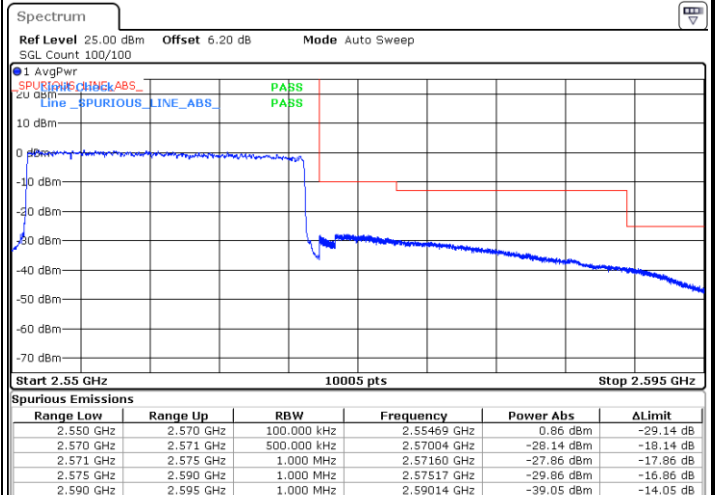
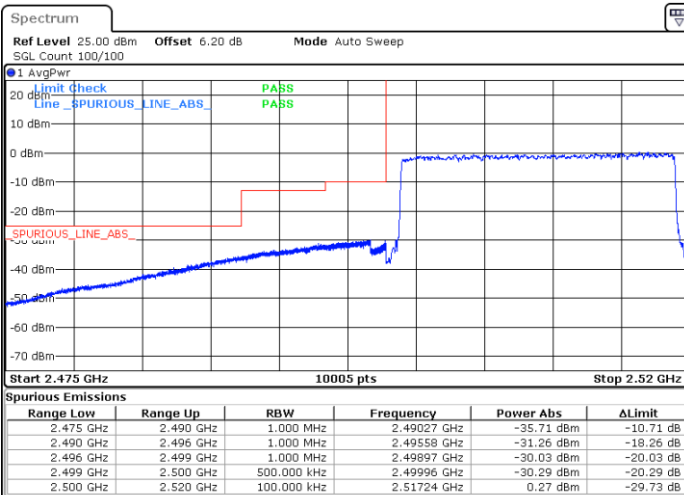


Date: 7.NOV.2023 08:53:57

Date: 7.NOV.2023 09:07:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



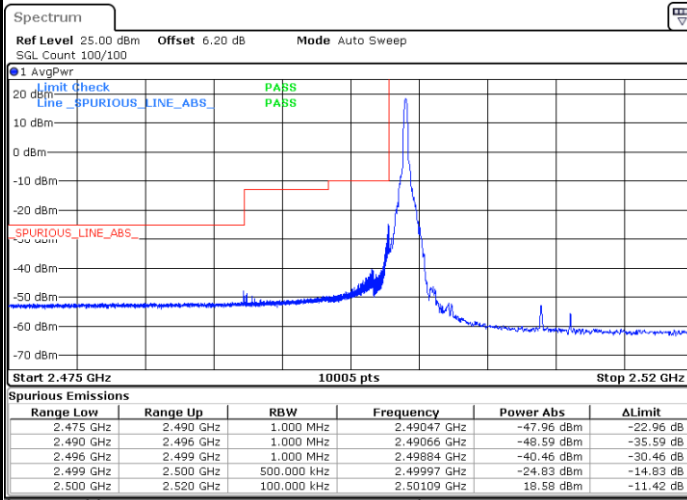
Date: 7.NOV.2023 08:55:09

Date: 7.NOV.2023 09:11:23



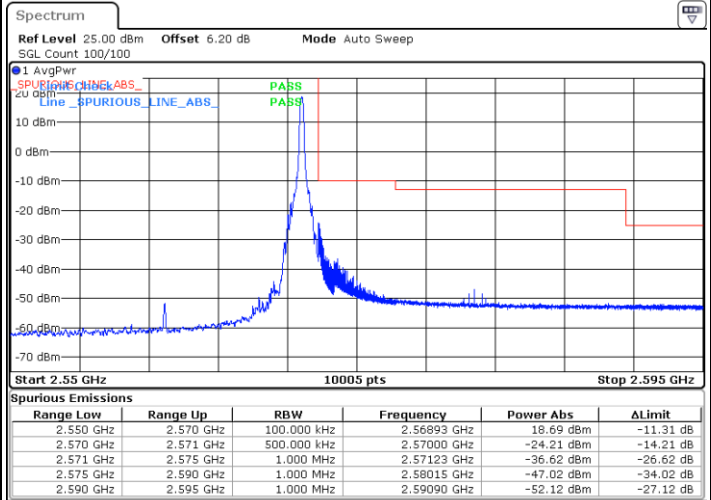
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



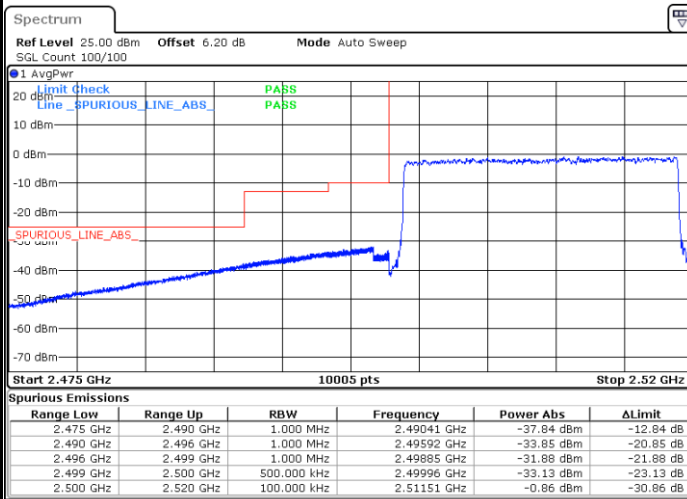
Date: 7.NOV.2023 08:54:13

Highest Band Edge / 1 RB



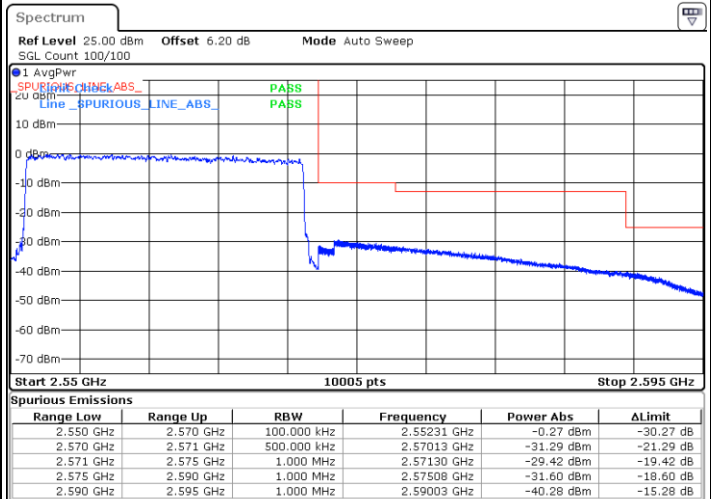
Date: 7.NOV.2023 09:08:12

Lowest Band Edge / Full RB



Date: 7.NOV.2023 08:55:26

Highest Band Edge / Full RB

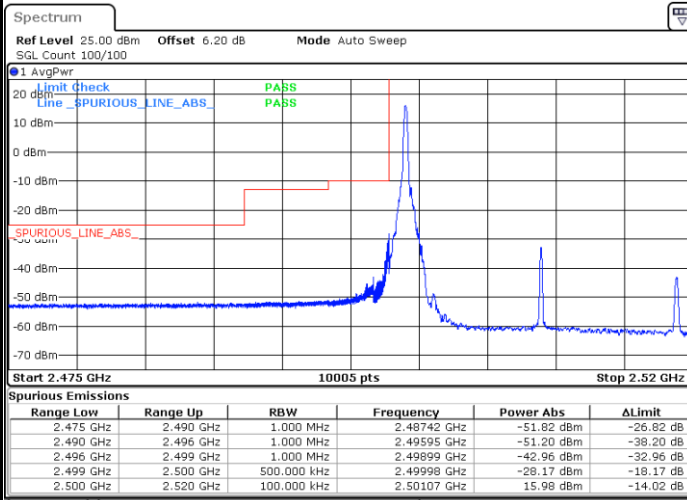


Date: 7.NOV.2023 09:11:38

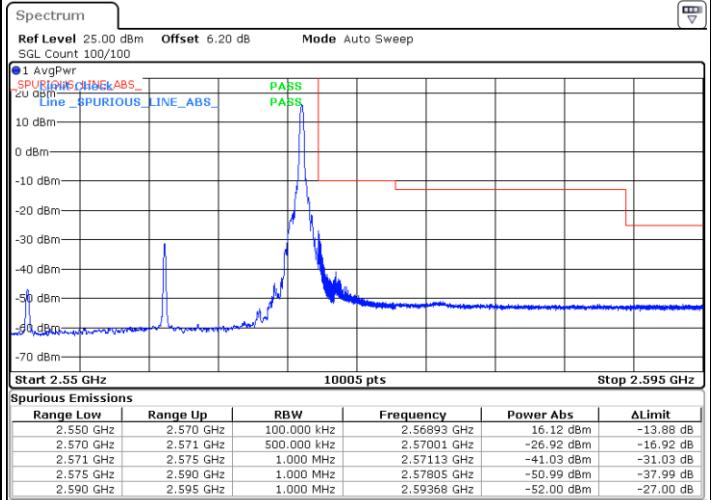


LTE Band 7 / 20MHz / 256QAM

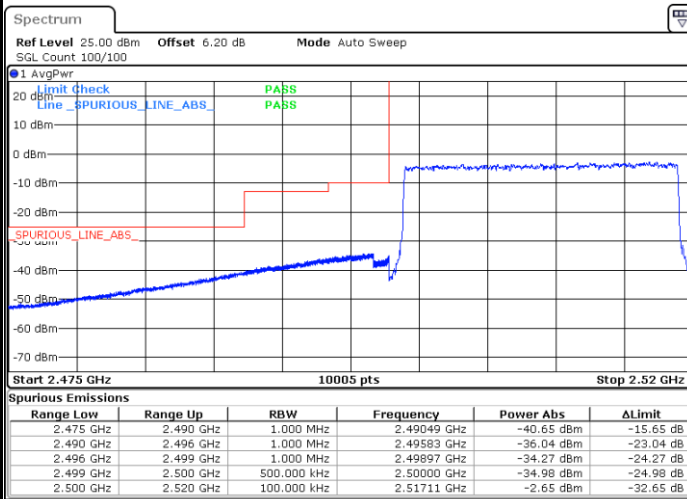
Lowest Band Edge / 1 RB



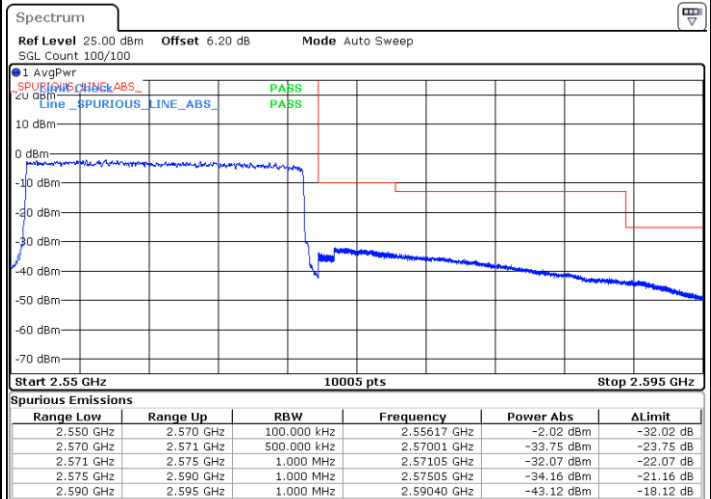
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB



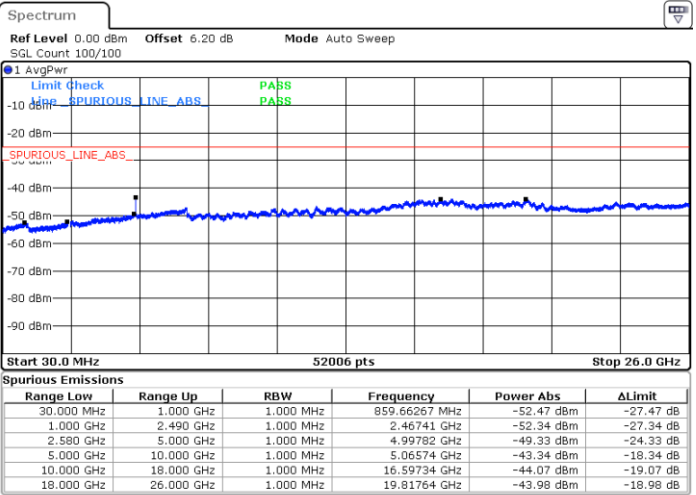
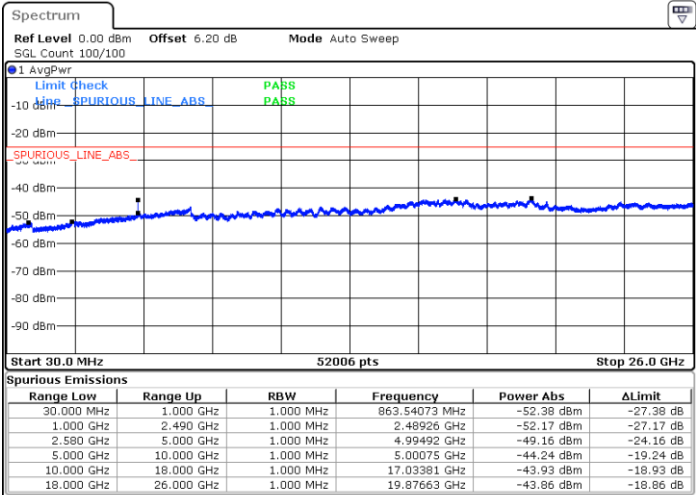


Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

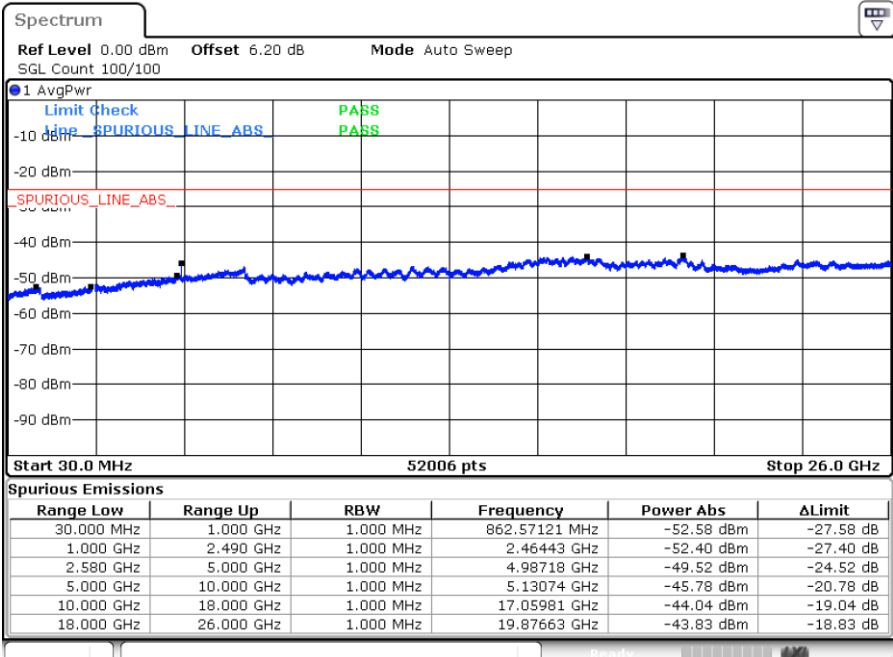
Middle Channel / QPSK



Date: 6.NOV.2023 16:11:12

Date: 6.NOV.2023 16:23:48

Highest Channel / QPSK



Date: 6.NOV.2023 16:26:24