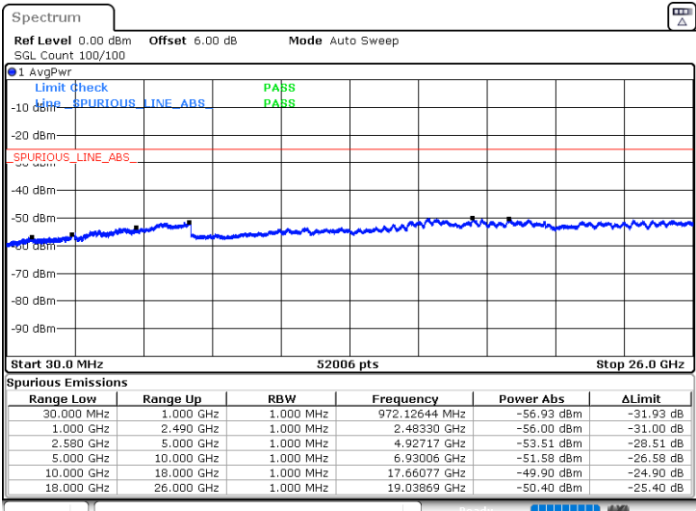




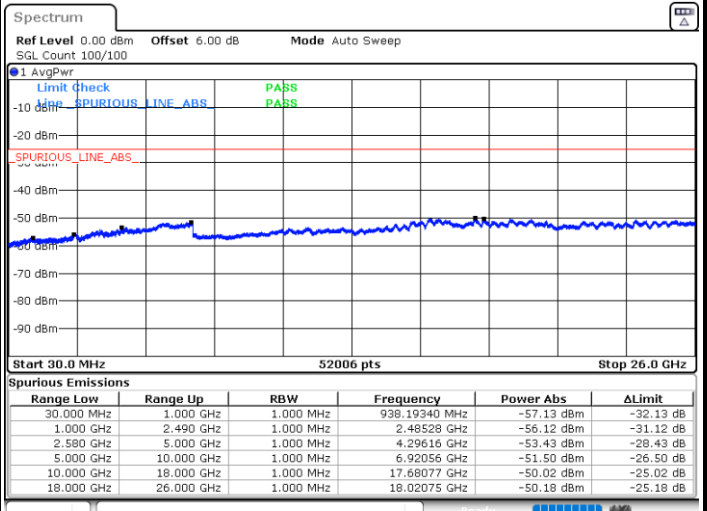
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

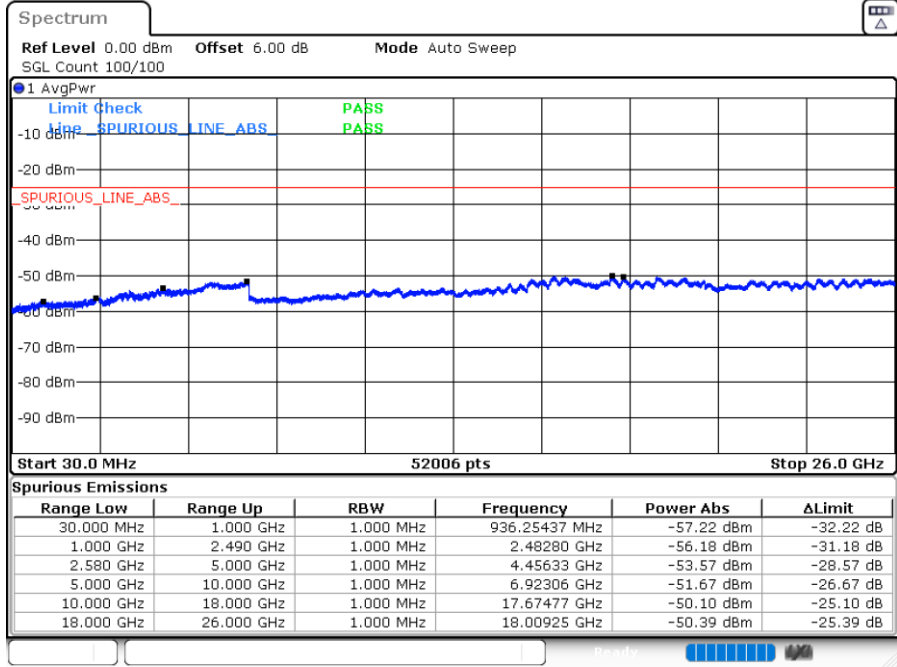


Date: 1.OCT.2022 06:59:52



Date: 1.OCT.2022 06:58:58

Highest Channel / QPSK



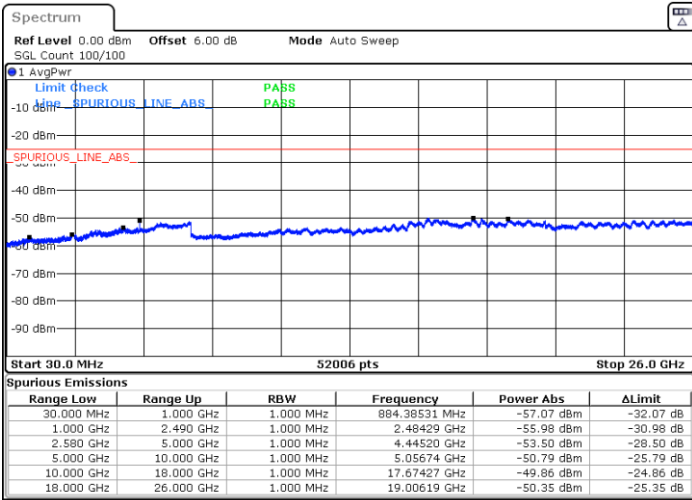
Date: 1.OCT.2022 07:04:19



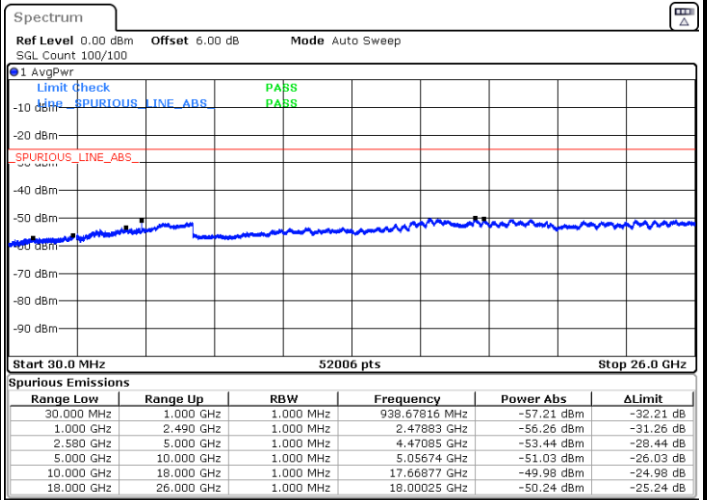
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

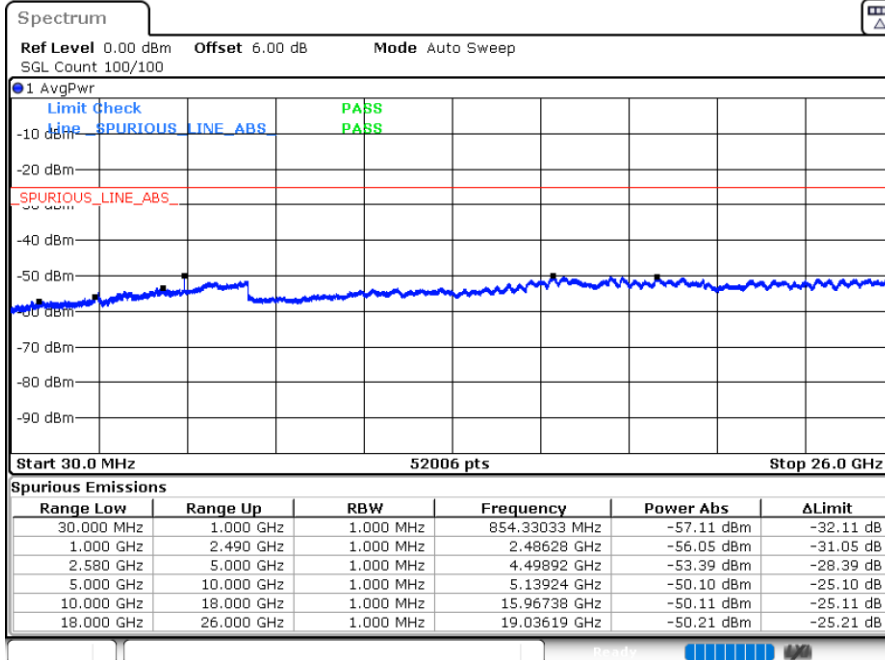


Date: 1.OCT.2022 06:13:40



Date: 1.OCT.2022 06:06:38

Highest Channel / QPSK



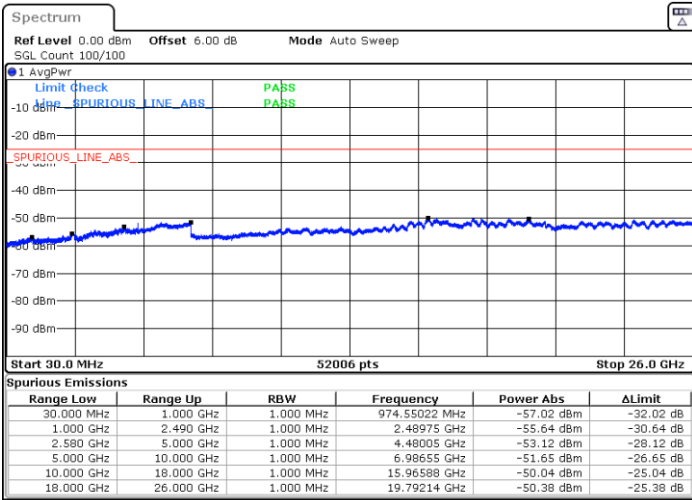
Date: 1.OCT.2022 06:57:58



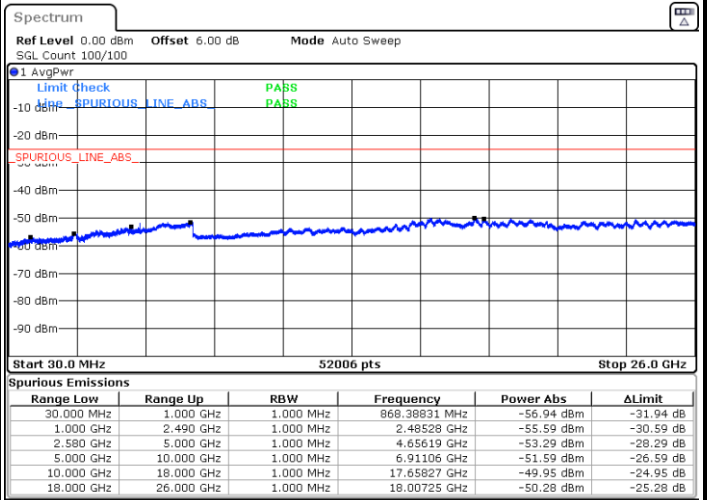
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

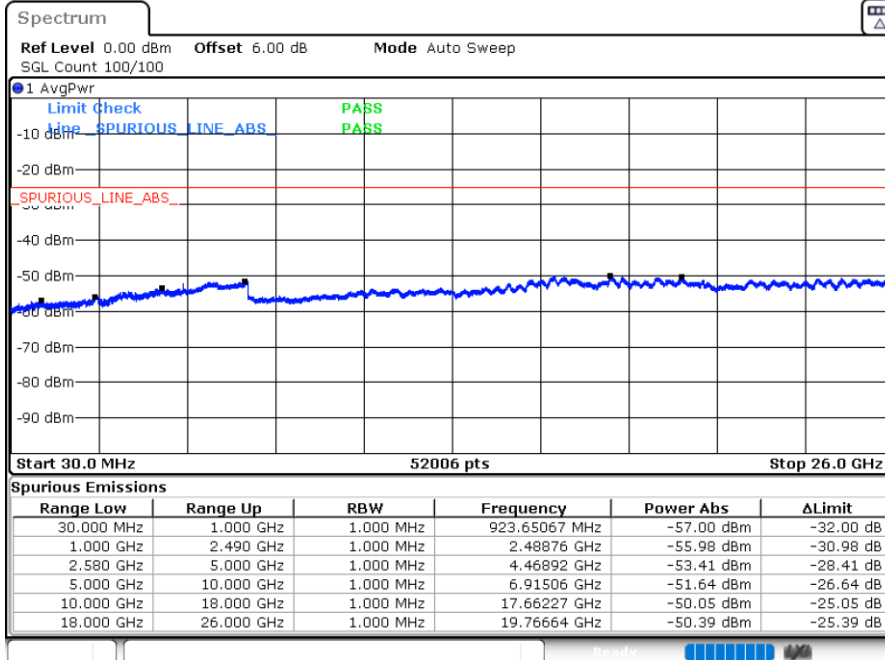


Date: 1.OCT.2022 05:56:41



Date: 1.OCT.2022 05:57:38

Highest Channel / QPSK



Date: 1.OCT.2022 06:01:42



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	0.0036	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0005	

Note:

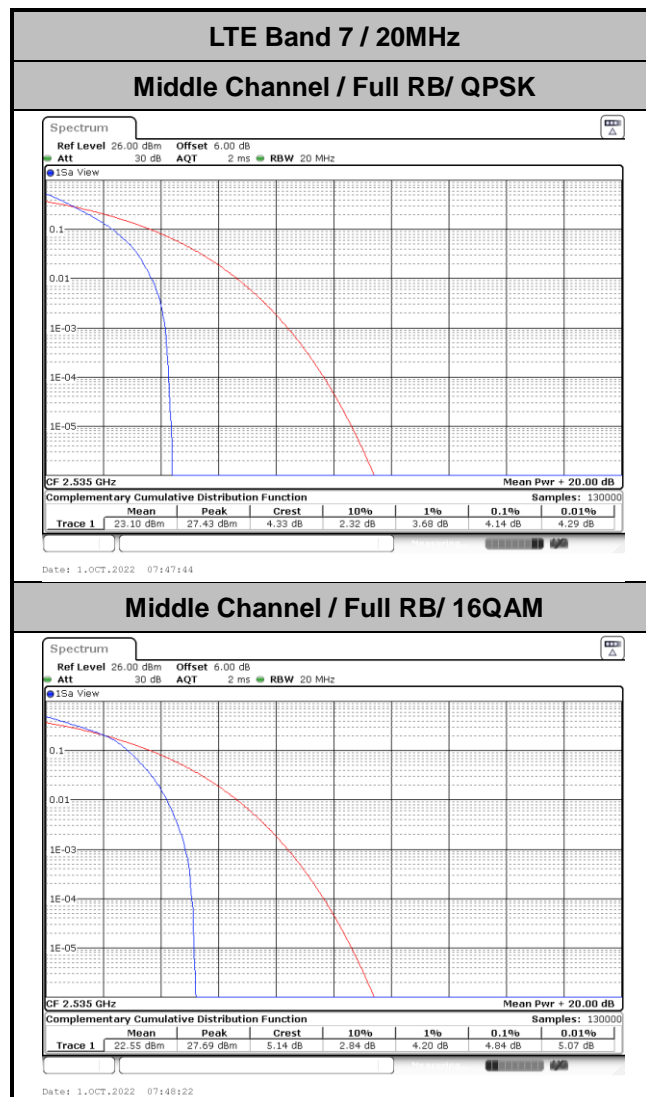
1. Normal Voltage =3.88 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.27 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

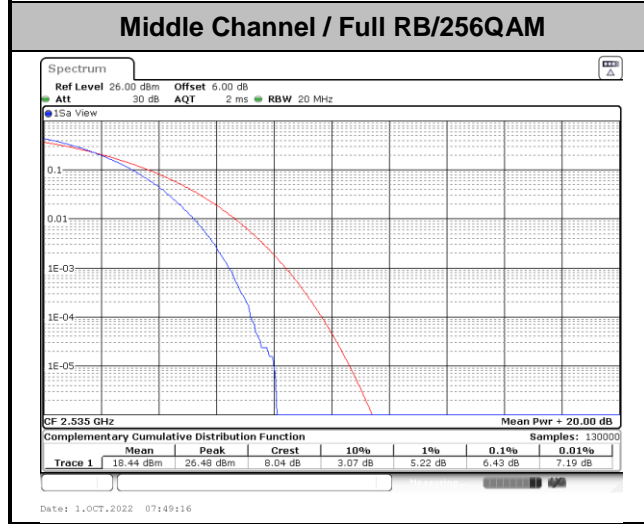
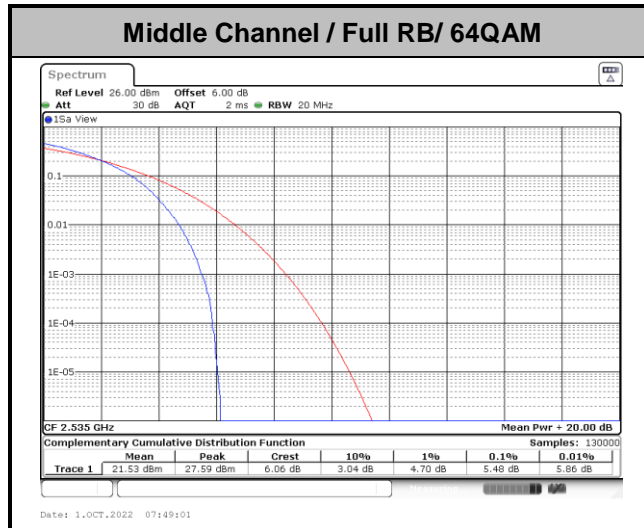


# LTE Band 7(PA2 EN-DC 7A-n78A)

## 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	4.14	4.84	5.48	6.43	PASS

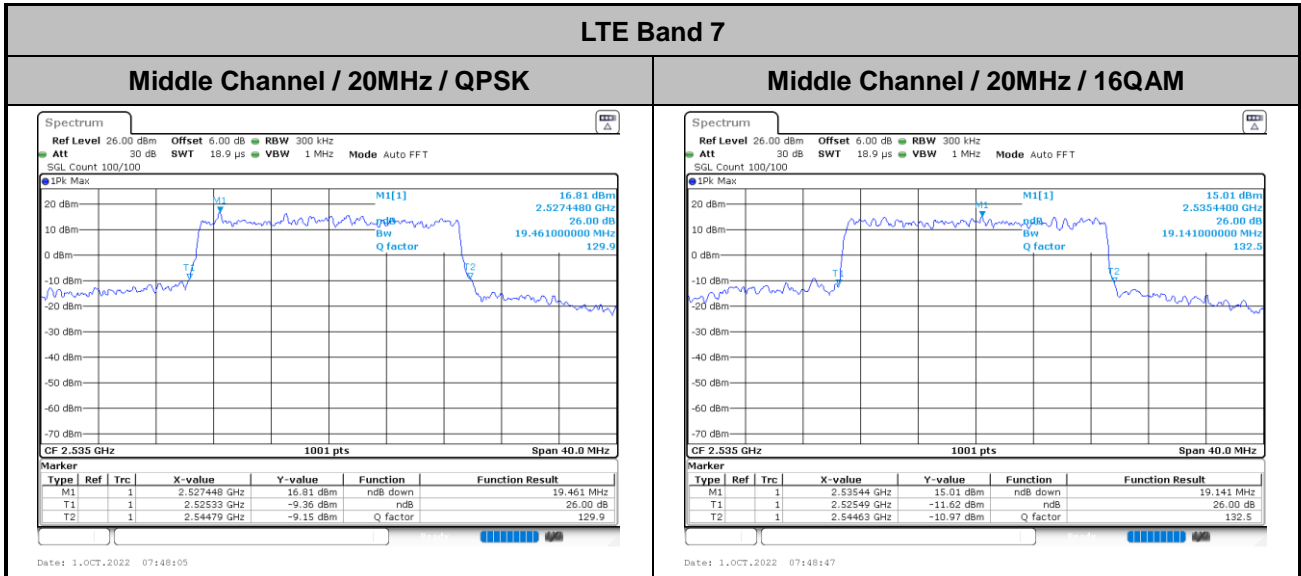






## 26dB Bandwidth

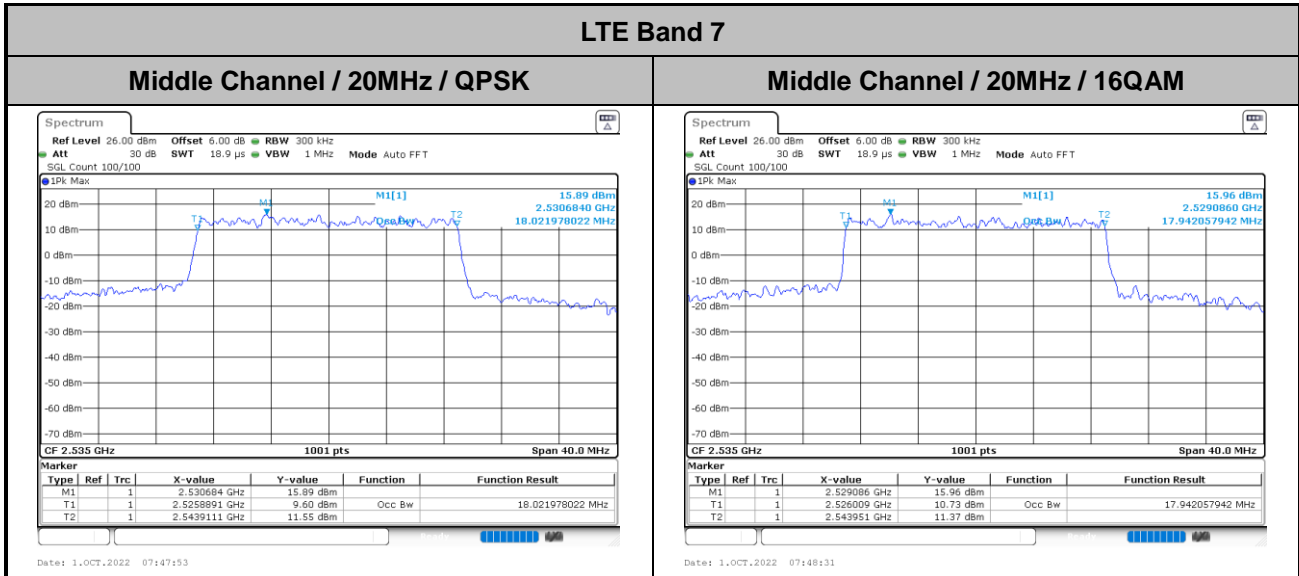
<b>Mode</b>	<b>LTE Band 7 : 26dB BW(MHz)</b>	
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	19.46	19.14





# Occupied Bandwidth

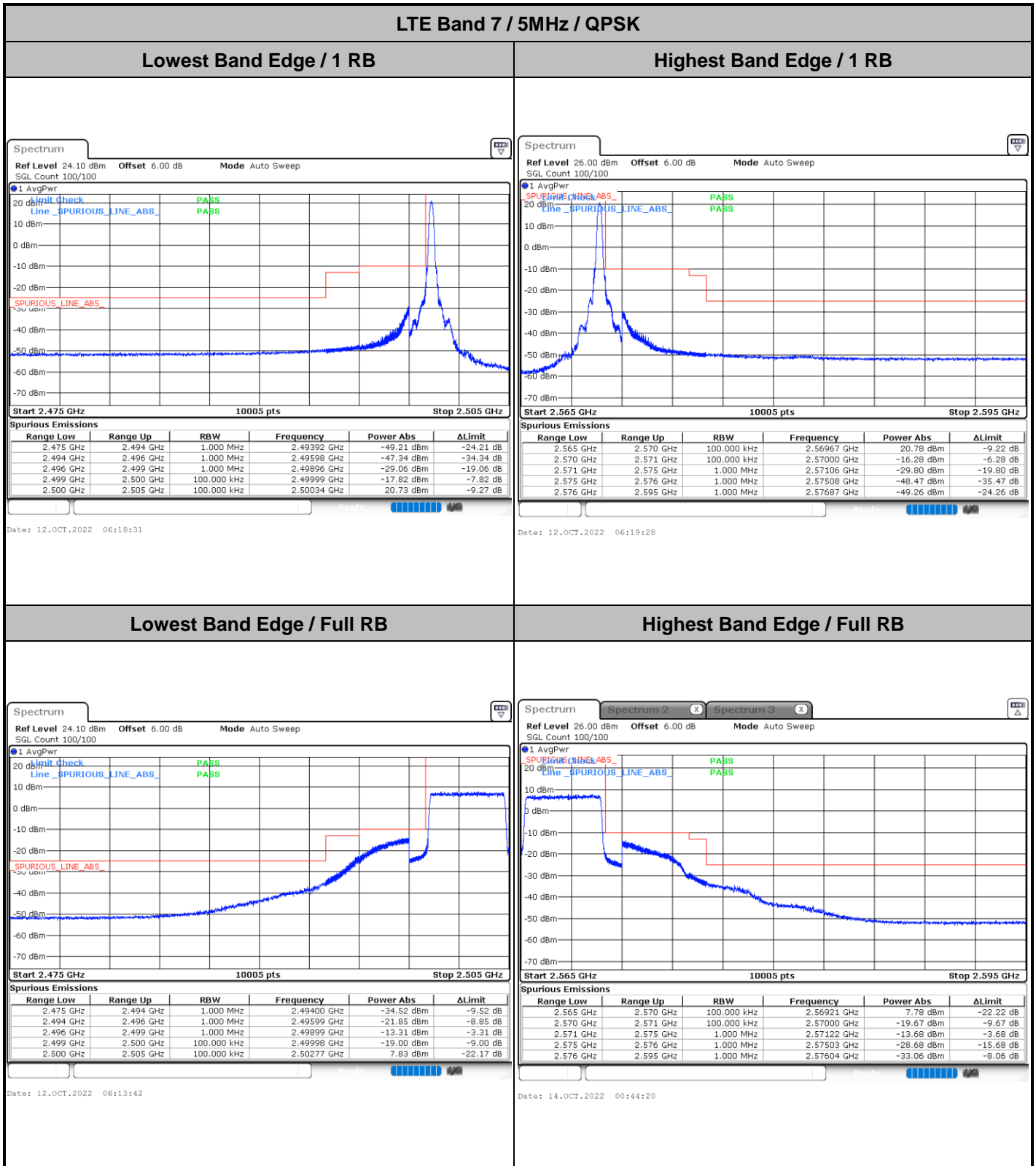
Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.02	17.94







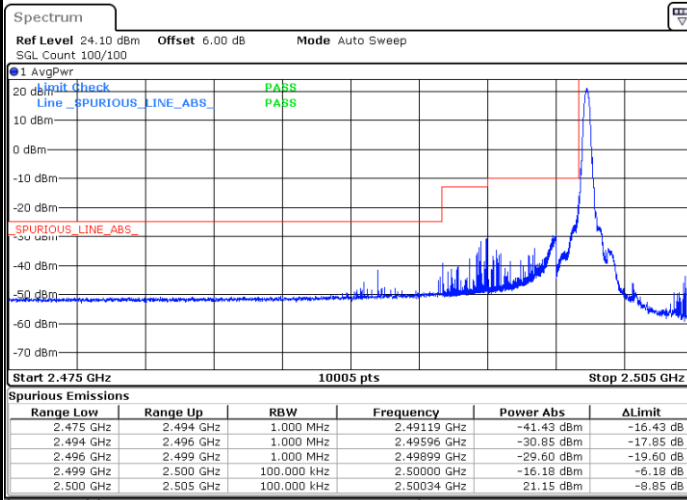
# Conducted Band Edge





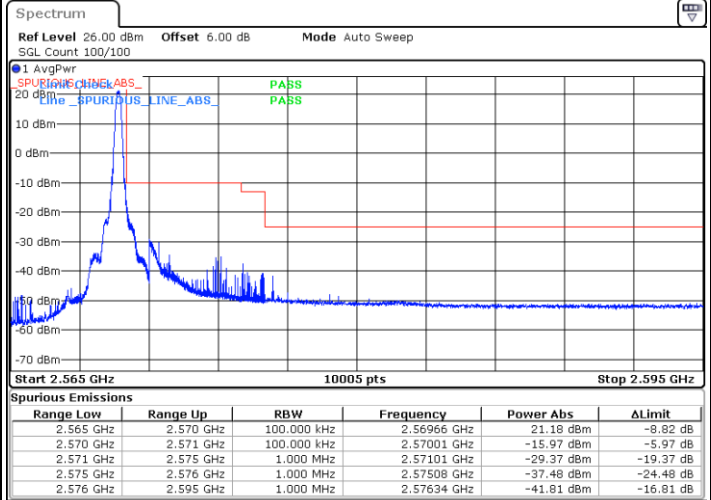
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



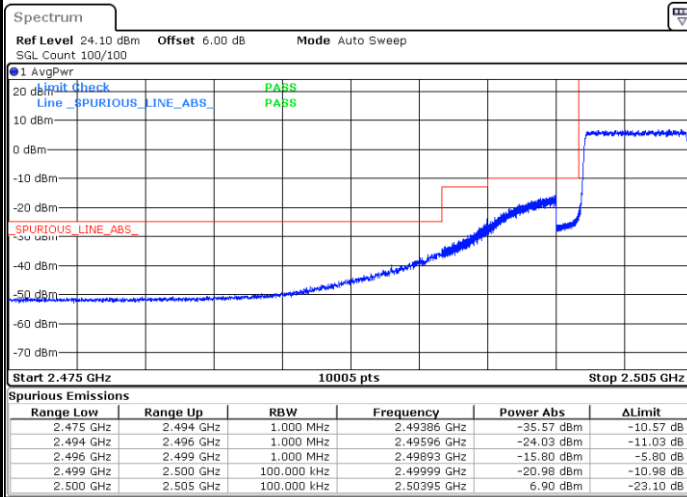
Date: 12.OCT.2022 06:15:48

Highest Band Edge / 1 RB



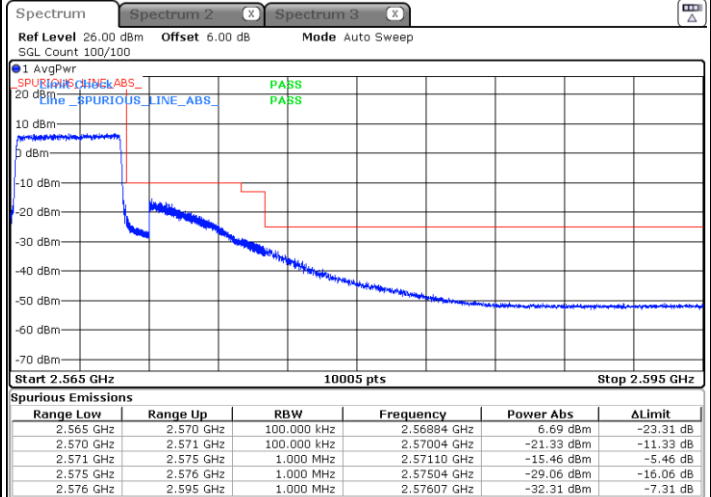
Date: 12.OCT.2022 06:19:47

Lowest Band Edge / Full RB



Date: 12.OCT.2022 06:14:01

Highest Band Edge / Full RB

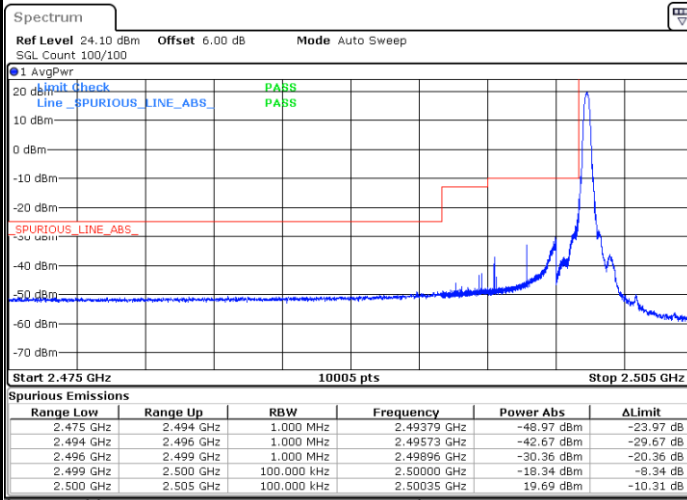


Date: 14.OCT.2022 00:44:44



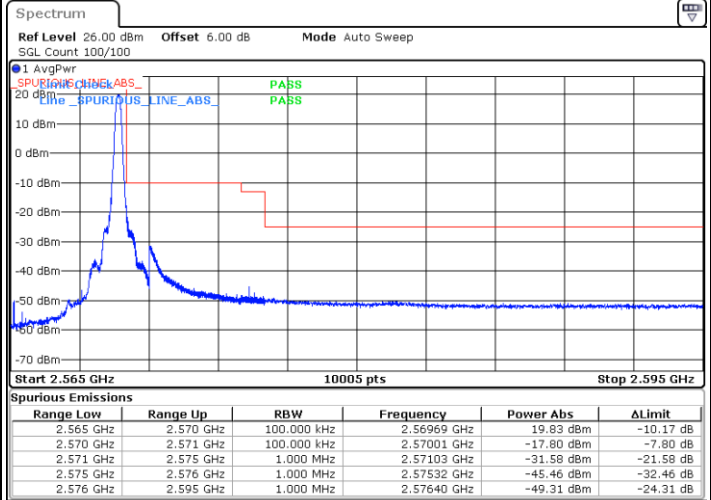
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



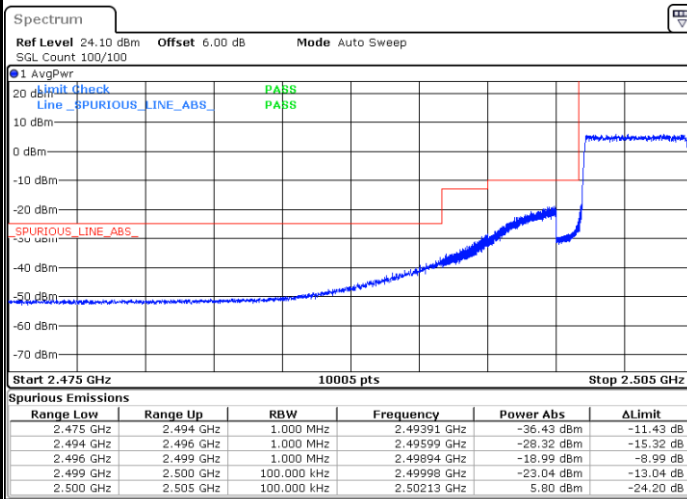
Date: 12.OCT.2022 06:15:19

Highest Band Edge / 1 RB



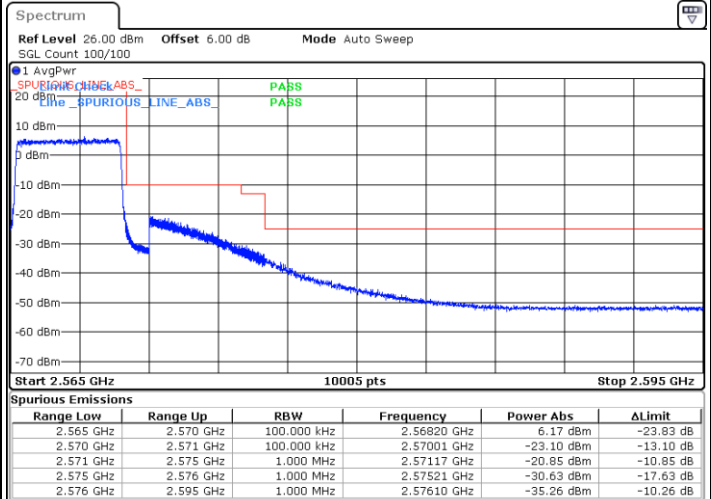
Date: 12.OCT.2022 06:20:04

Lowest Band Edge / Full RB



Date: 12.OCT.2022 06:14:20

Highest Band Edge / Full RB

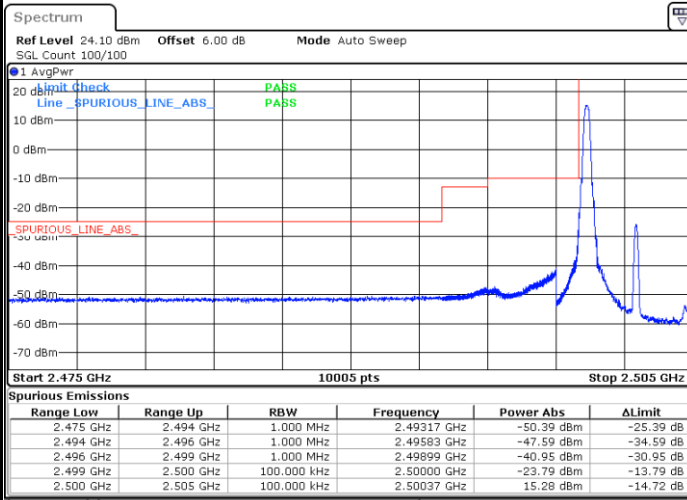


Date: 12.OCT.2022 06:21:05



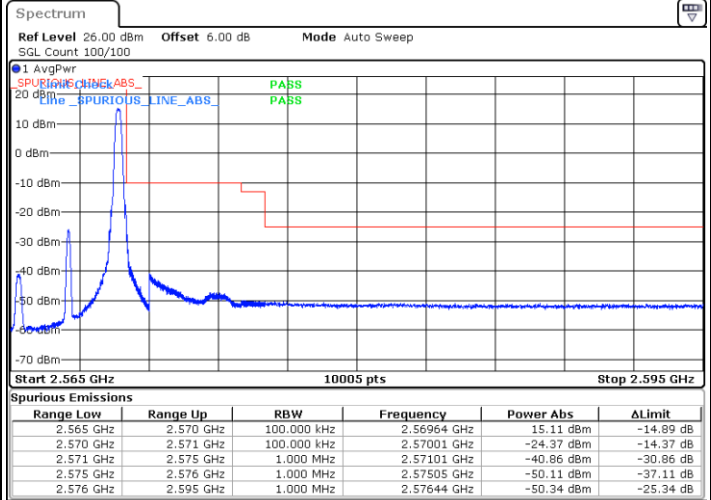
LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB



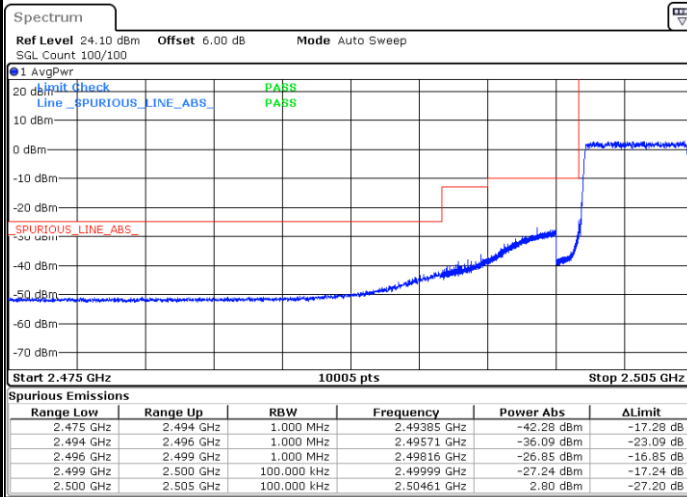
Date: 12.OCT.2022 06:14:59

Highest Band Edge / 1 RB



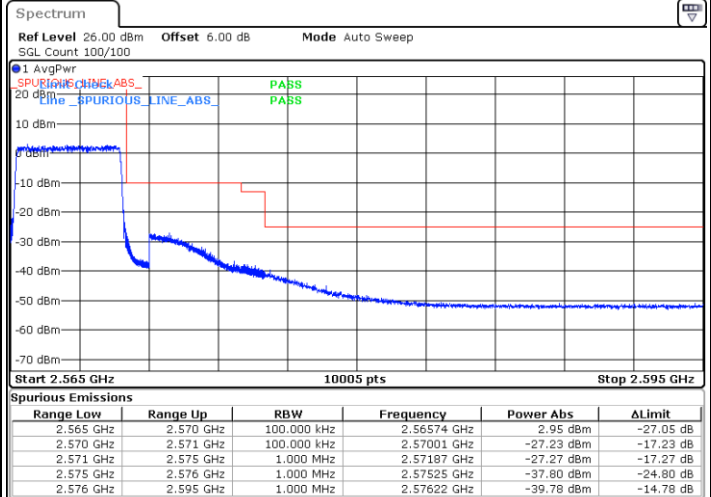
Date: 12.OCT.2022 06:20:23

Lowest Band Edge / Full RB



Date: 12.OCT.2022 06:14:39

Highest Band Edge / Full RB

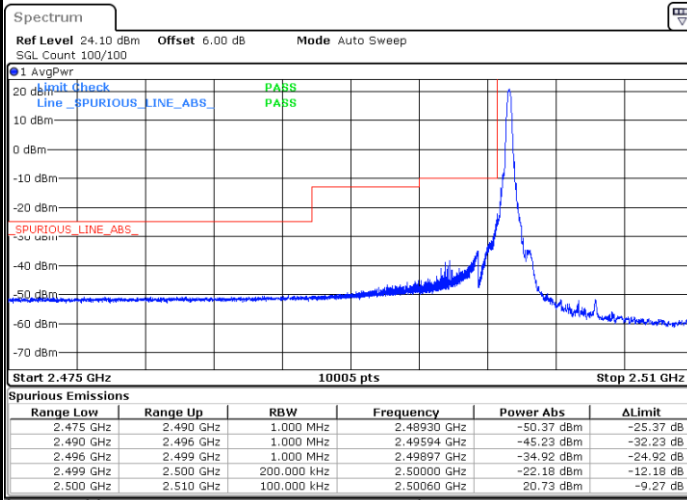


Date: 12.OCT.2022 06:20:44

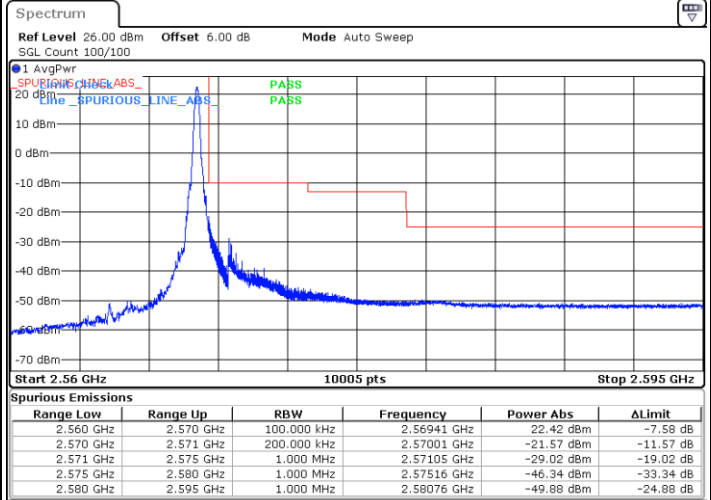


LTE Band 7 / 10MHz / QPSK

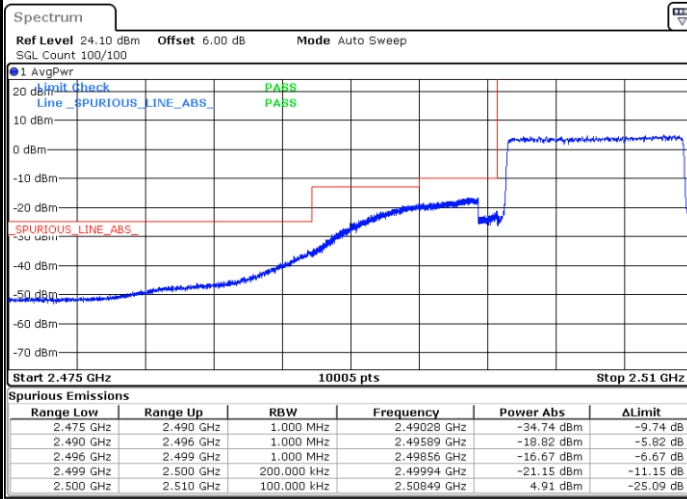
Lowest Band Edge / 1 RB



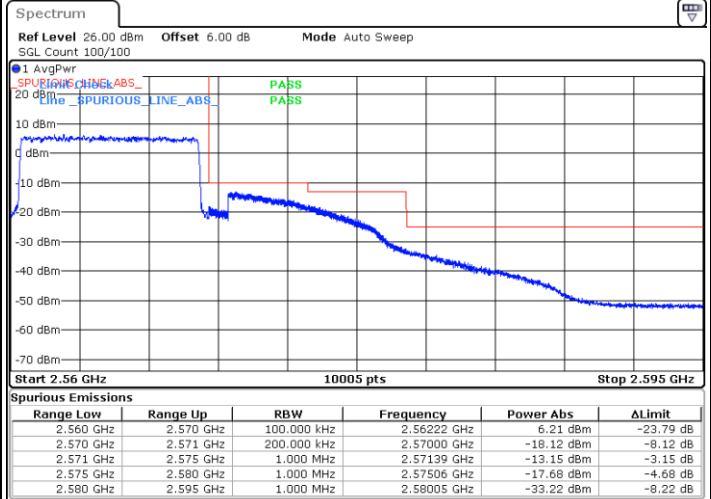
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



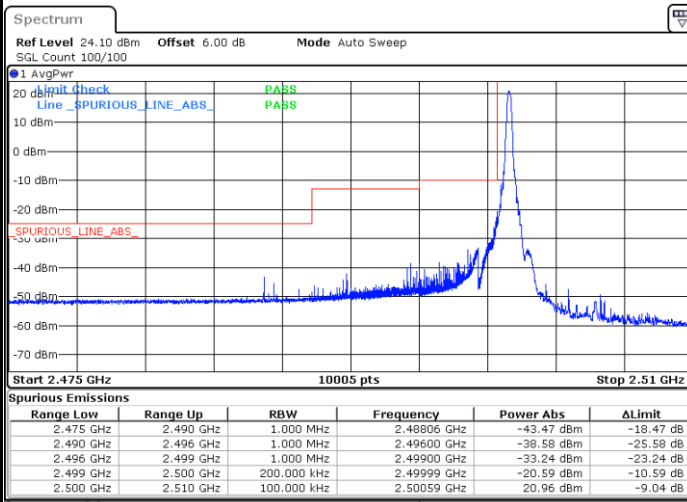
Highest Band Edge / Full RB





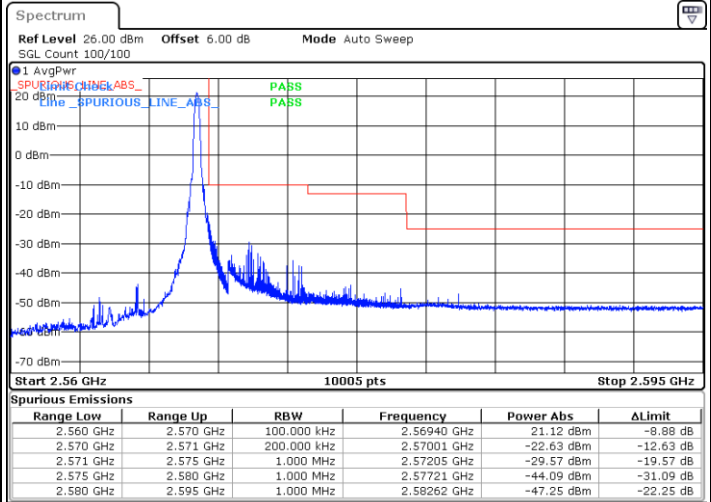
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



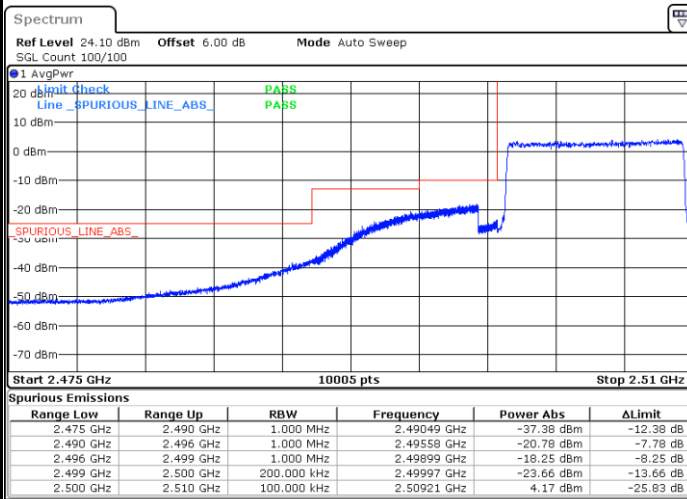
Date: 12.OCT.2022 06:02:42

Highest Band Edge / 1 RB



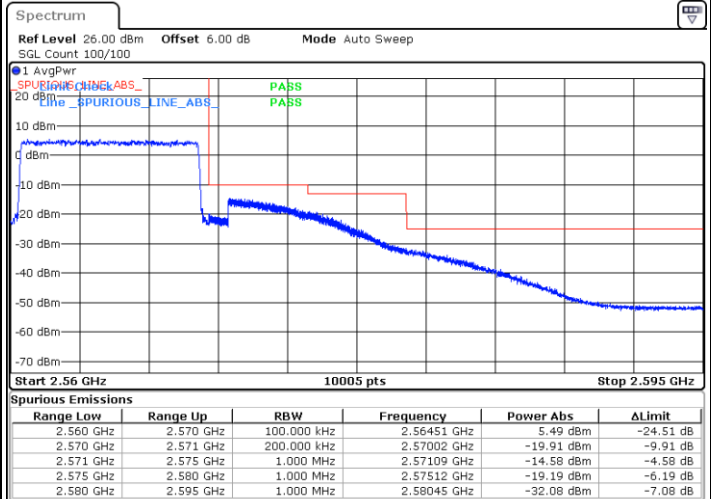
Date: 12.OCT.2022 06:03:55

Lowest Band Edge / Full RB



Date: 12.OCT.2022 06:00:50

Highest Band Edge / Full RB

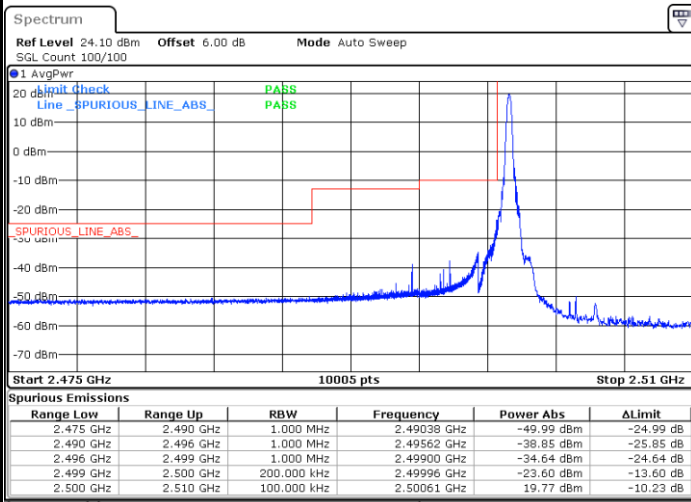


Date: 12.OCT.2022 06:12:35



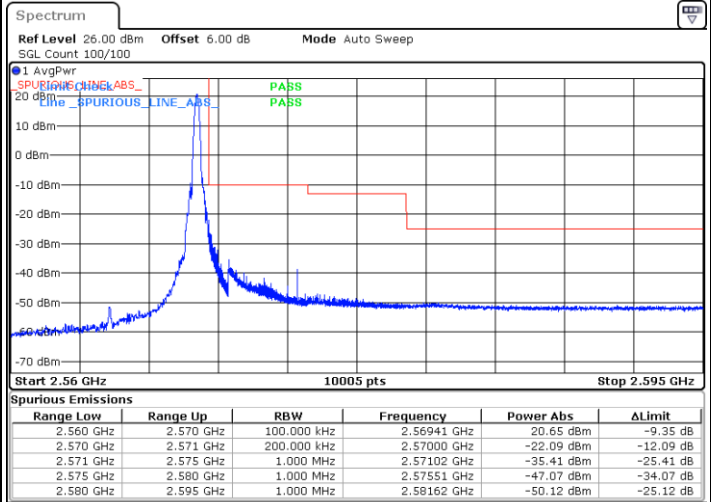
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



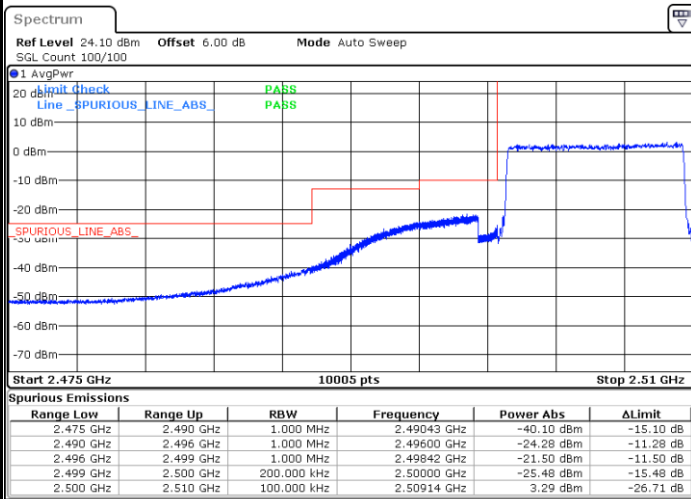
Date: 12.OCT.2022 06:02:19

Highest Band Edge / 1 RB



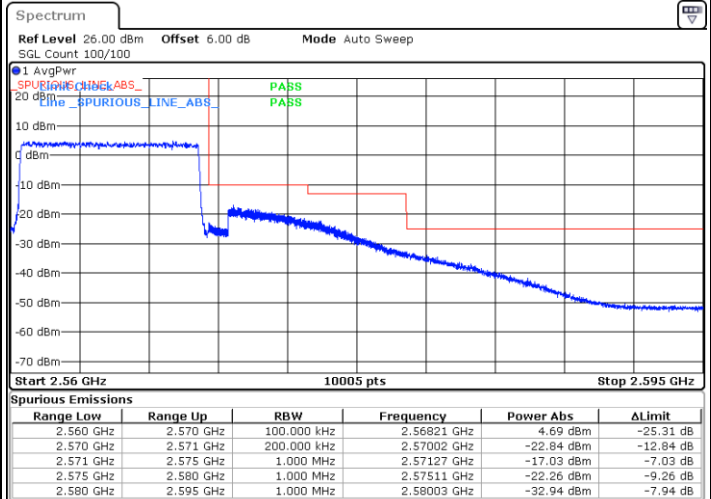
Date: 12.OCT.2022 06:04:45

Lowest Band Edge / Full RB



Date: 12.OCT.2022 06:01:07

Highest Band Edge / Full RB

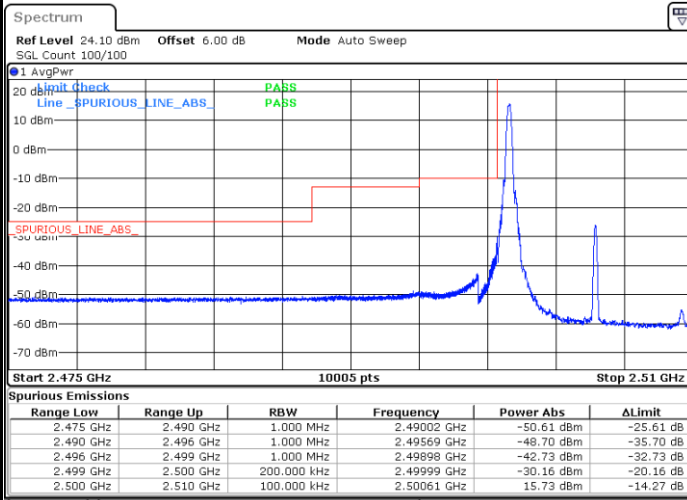


Date: 12.OCT.2022 06:12:17



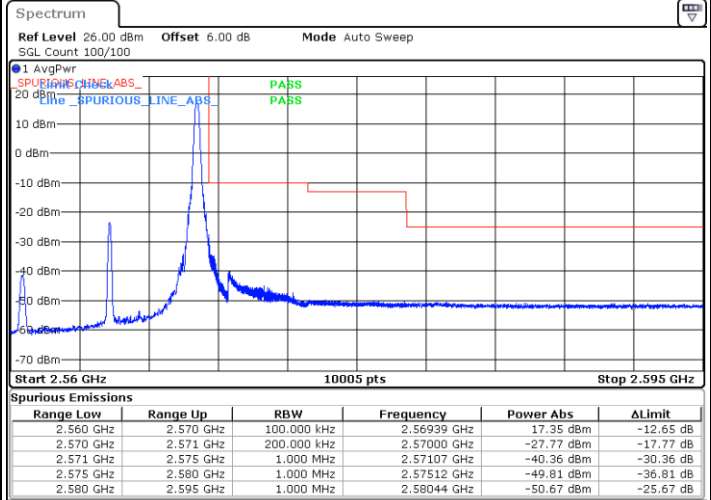
LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1RB



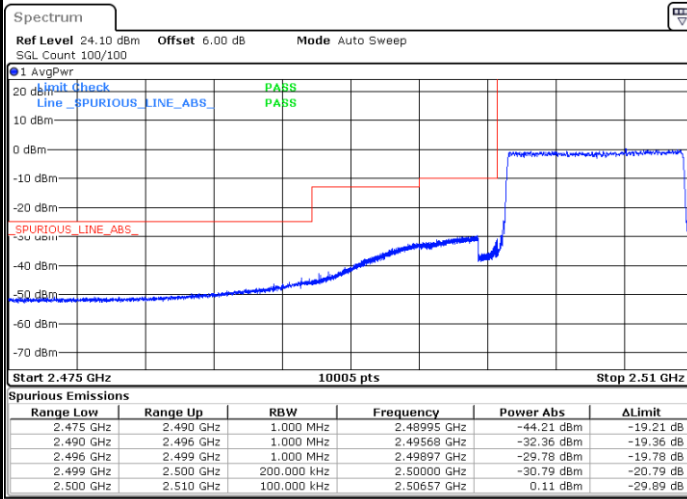
Date: 12.OCT.2022 06:02:00

Highest Band Edge / 1 RB



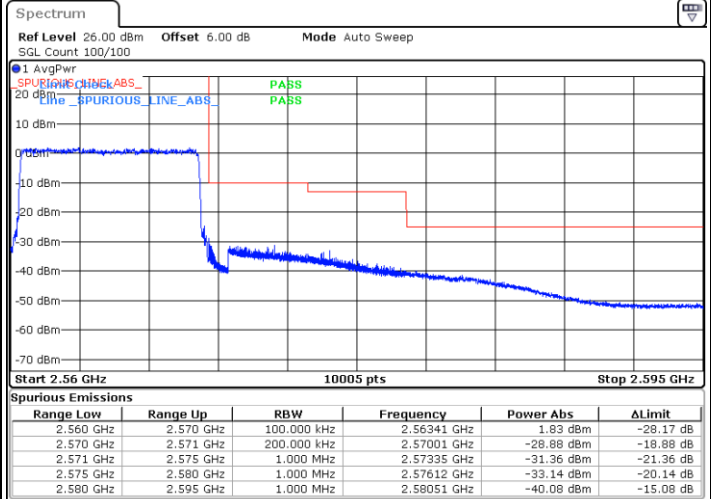
Date: 12.OCT.2022 06:05:10

Lowest Band Edge / Full RB



Date: 12.OCT.2022 06:01:31

Highest Band Edge / Full RB



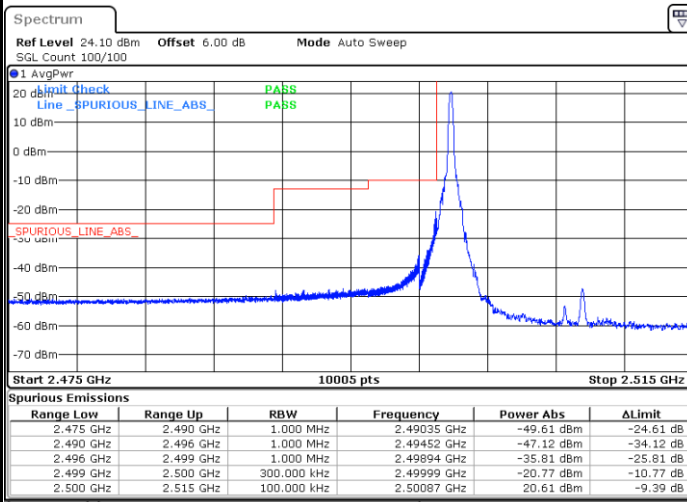
Date: 12.OCT.2022 06:06:00





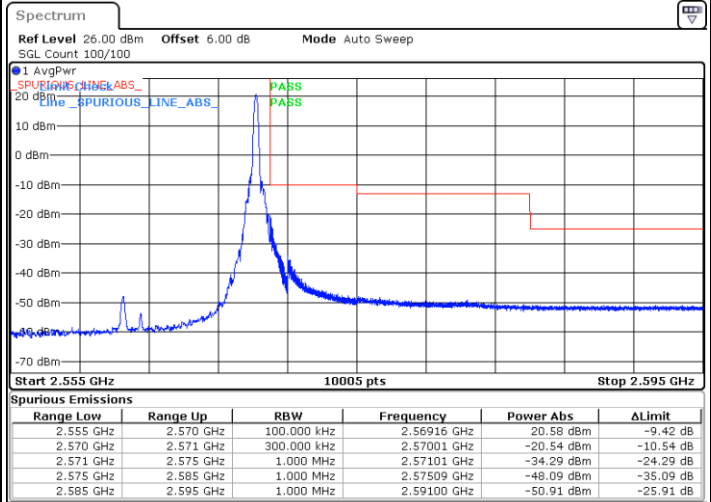
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



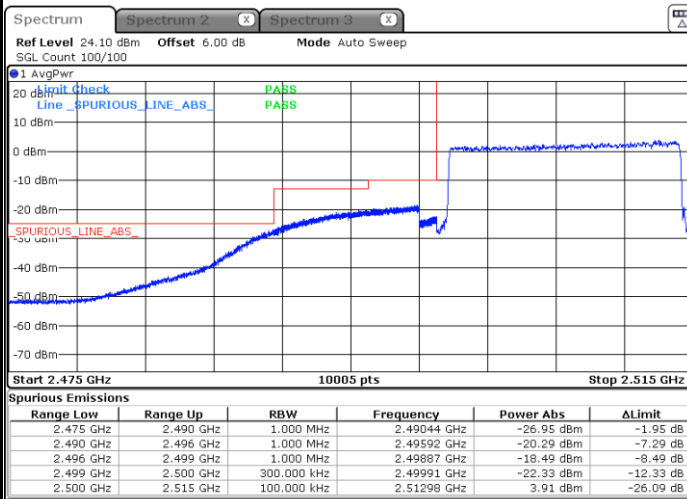
Date: 12.OCT.2022 04:41:21

Highest Band Edge / 1 RB



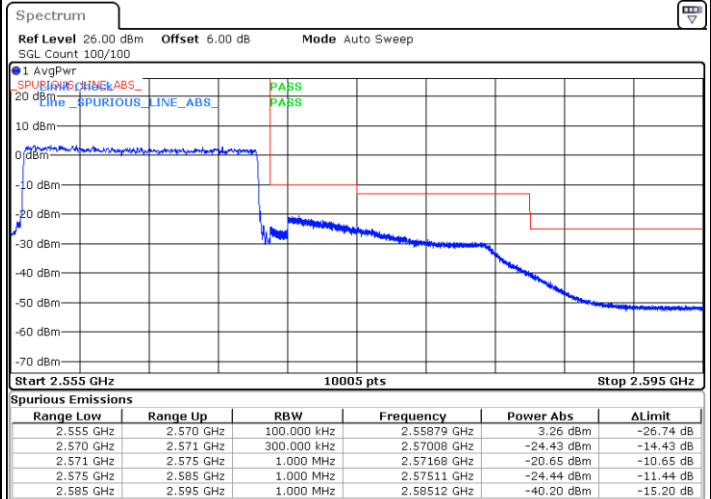
Date: 12.OCT.2022 04:42:49

Lowest Band Edge / Full RB



Date: 14.OCT.2022 00:45:50

Highest Band Edge / Full RB

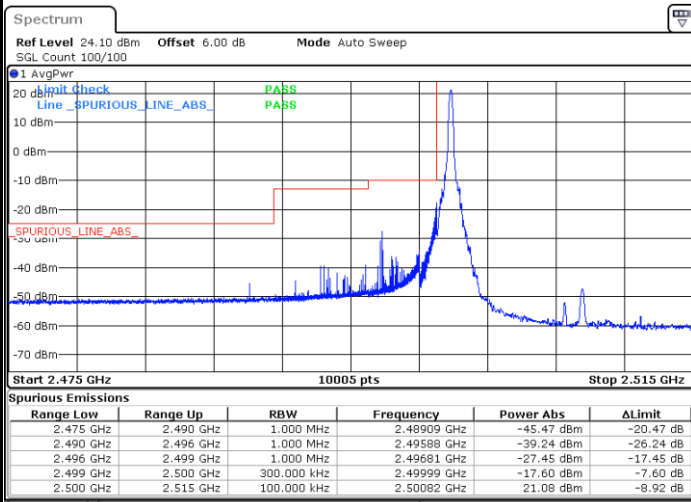


Date: 12.OCT.2022 05:57:58



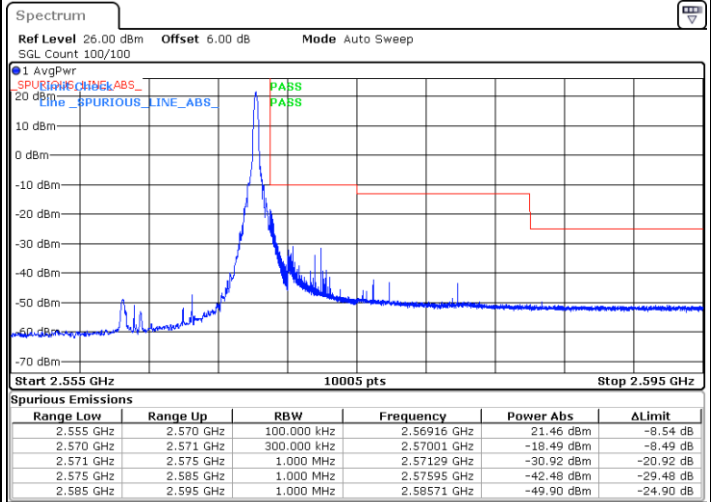
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



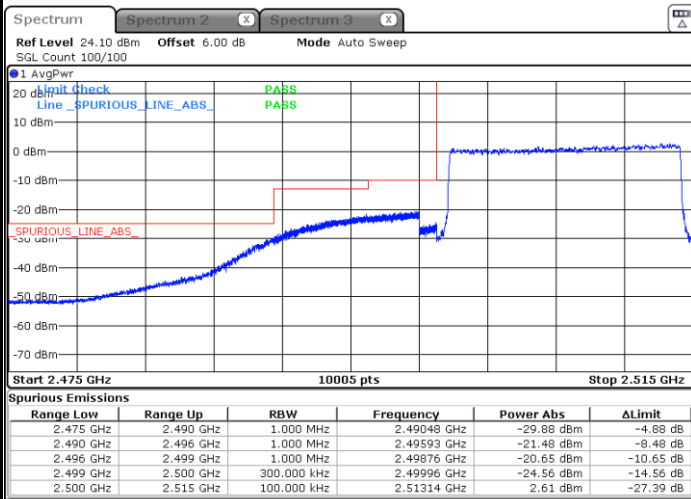
Date: 12.OCT.2022 04:40:51

Highest Band Edge / 1 RB



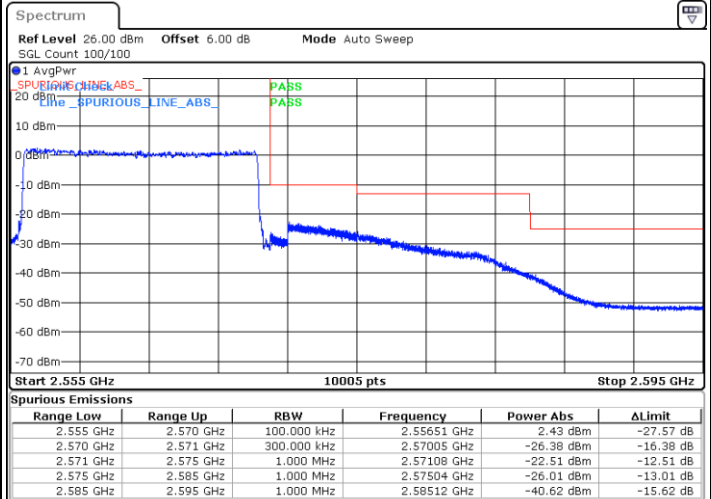
Date: 12.OCT.2022 04:43:33

Lowest Band Edge / Full RB



Date: 14.OCT.2022 00:46:37

Highest Band Edge / Full RB

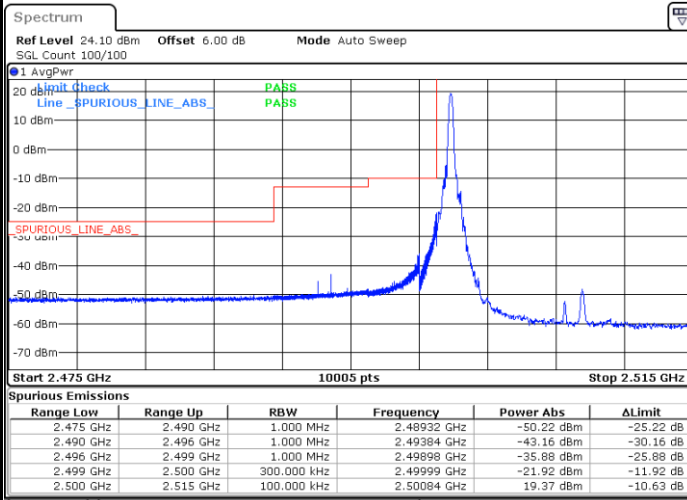


Date: 12.OCT.2022 05:58:17



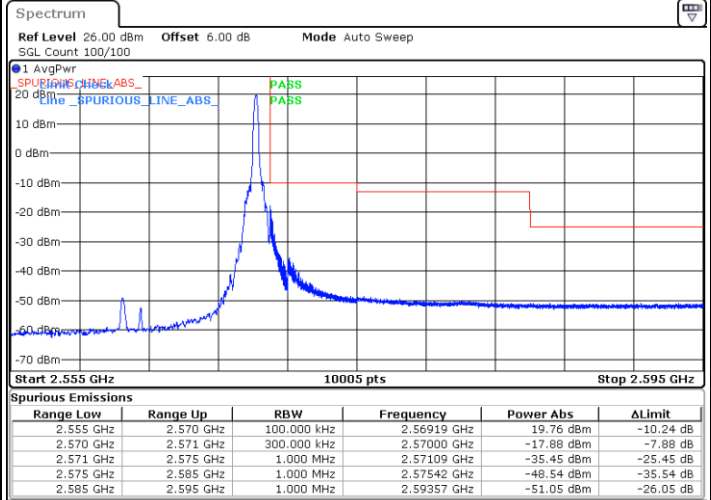
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



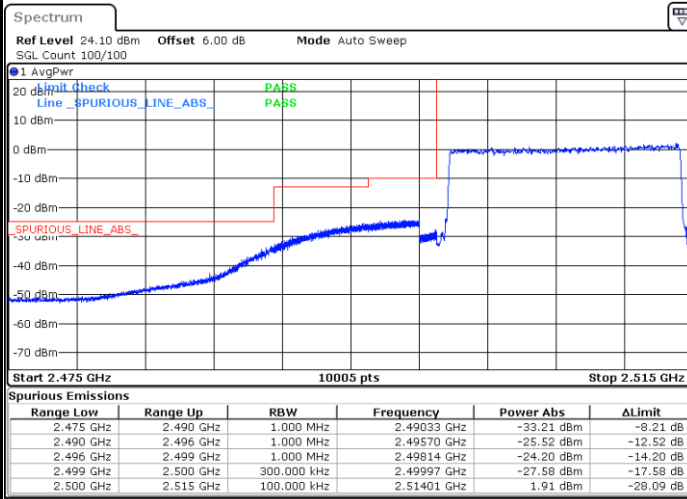
Date: 12.OCT.2022 04:40:32

Highest Band Edge / 1 RB



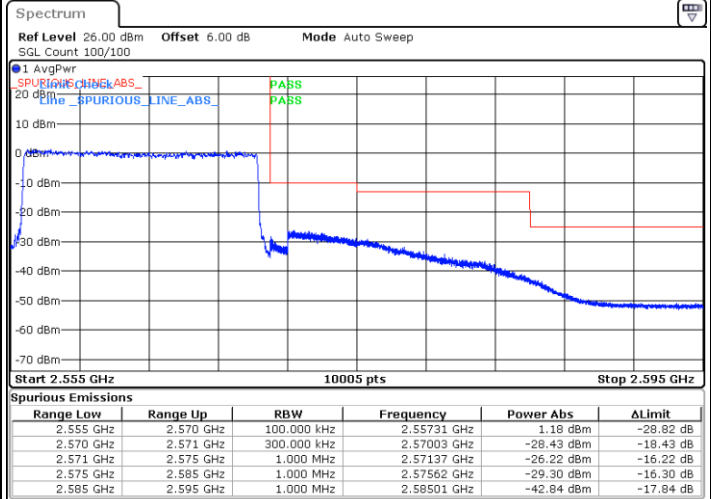
Date: 12.OCT.2022 04:44:18

Lowest Band Edge / Full RB



Date: 12.OCT.2022 04:39:06

Highest Band Edge / Full RB

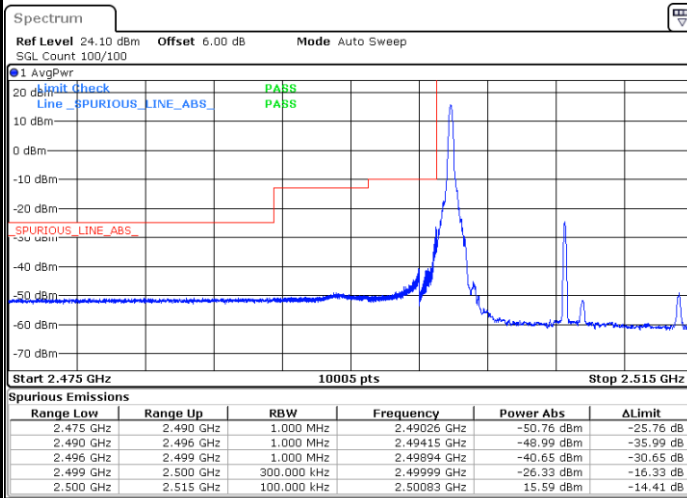


Date: 12.OCT.2022 05:58:38

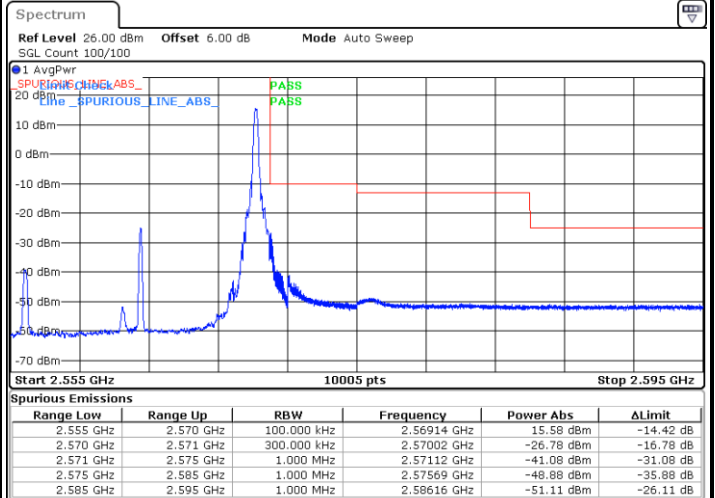


LTE Band 7 / 15MHz / 256QAM

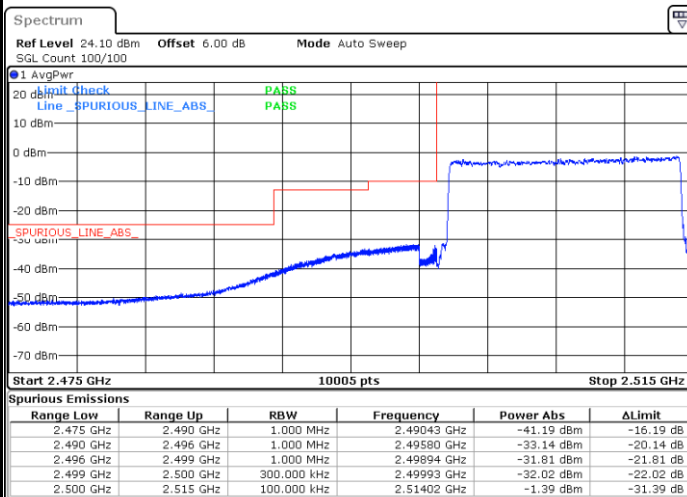
Lowest Band Edge / 1RB



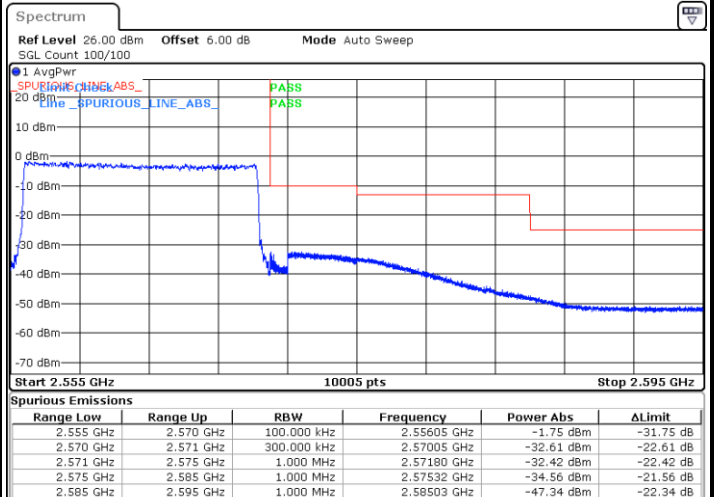
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

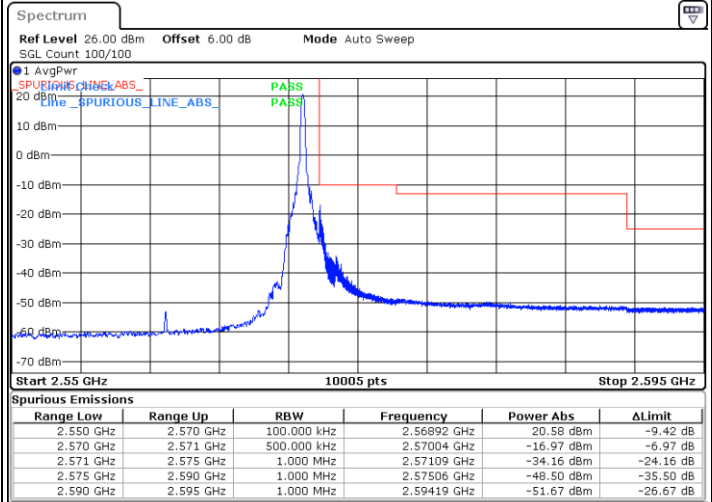
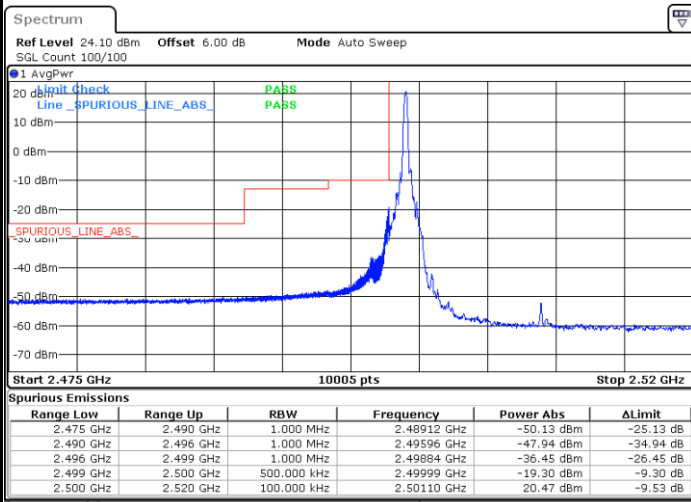




LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

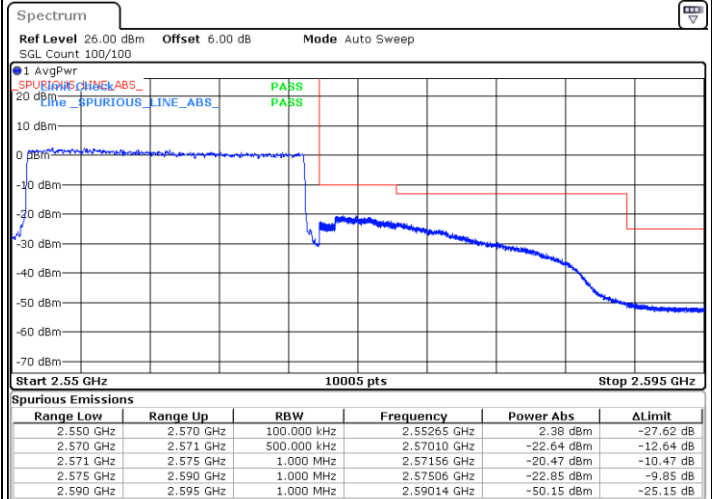
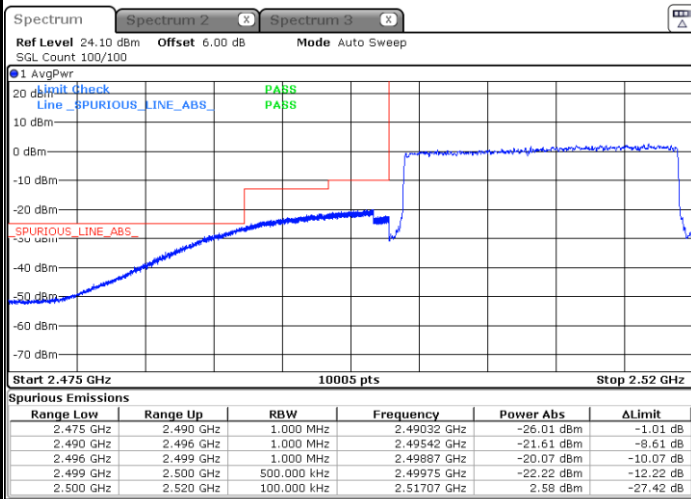


Date: 12.OCT.2022 04:31:29

Date: 12.OCT.2022 04:33:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



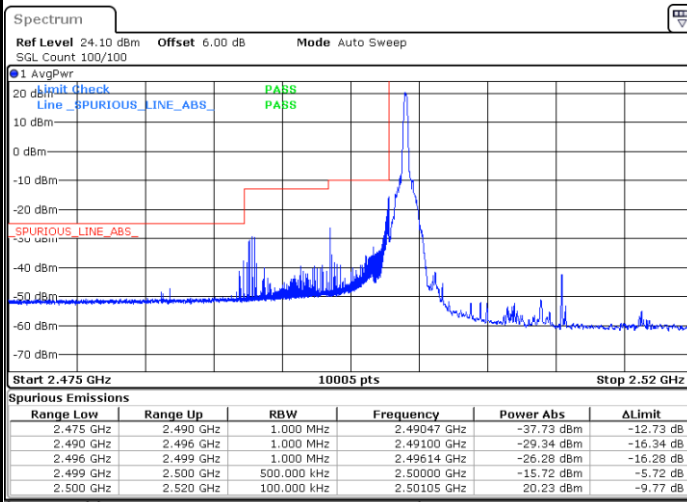
Date: 14.OCT.2022 00:33:02

Date: 12.OCT.2022 04:36:10



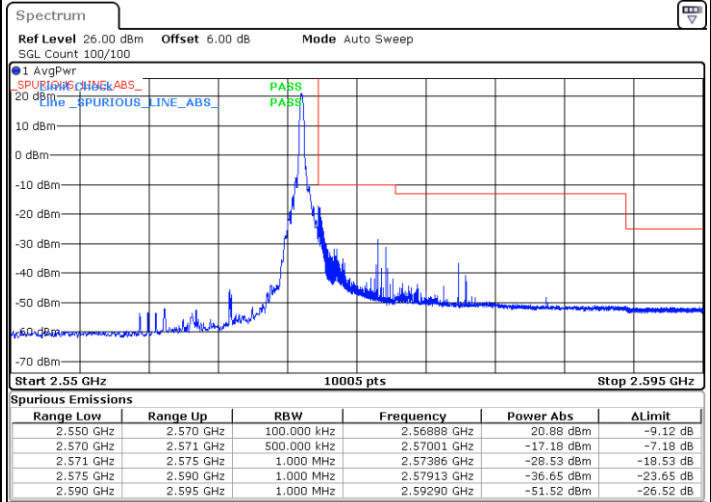
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



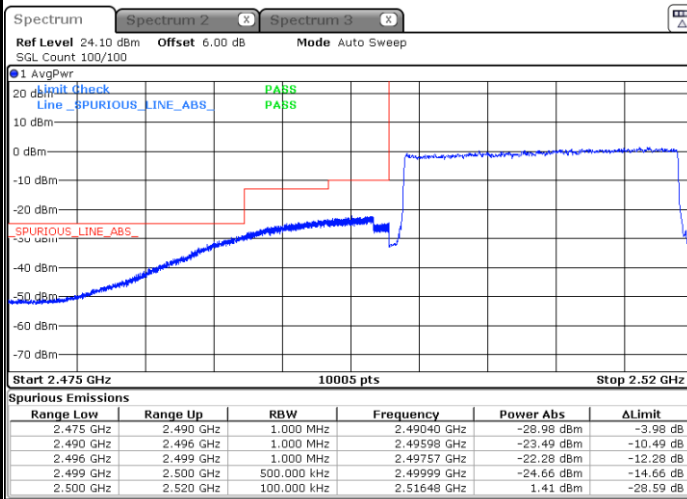
Date: 12.OCT.2022 04:30:52

Highest Band Edge / 1 RB



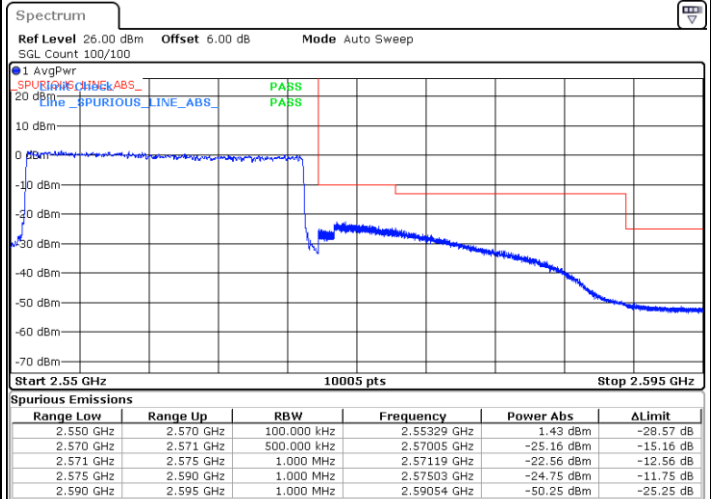
Date: 12.OCT.2022 04:33:52

Lowest Band Edge / Full RB



Date: 14.OCT.2022 00:33:22

Highest Band Edge / Full RB



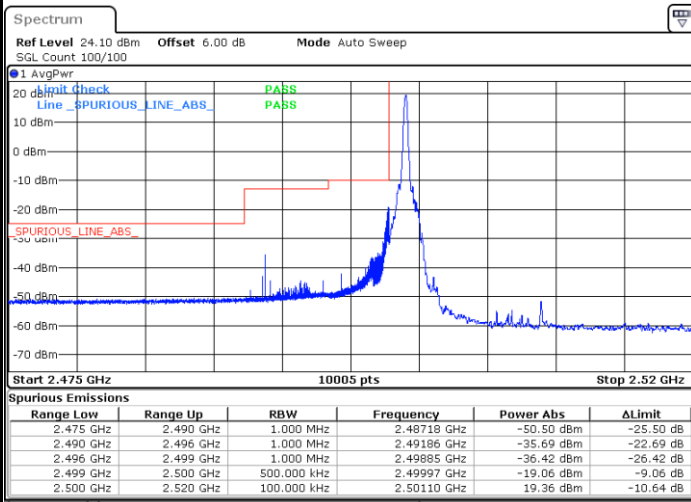
Date: 12.OCT.2022 04:35:49



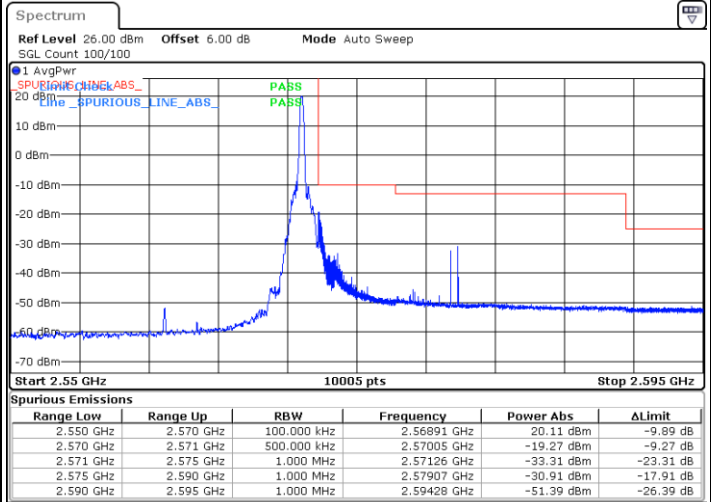
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



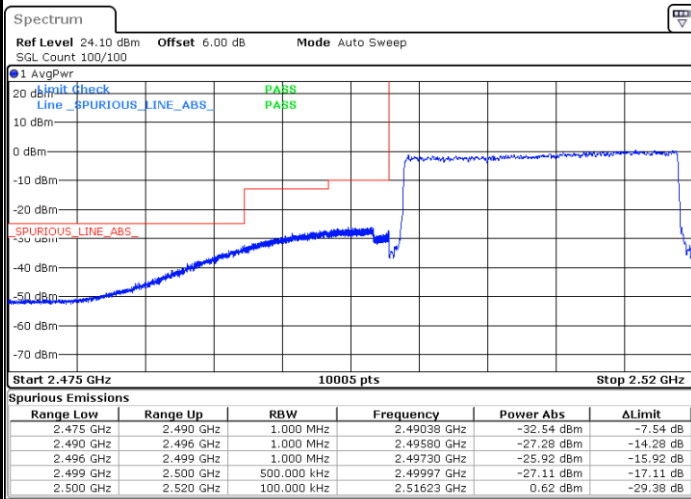
Date: 12.OCT.2022 04:30:32



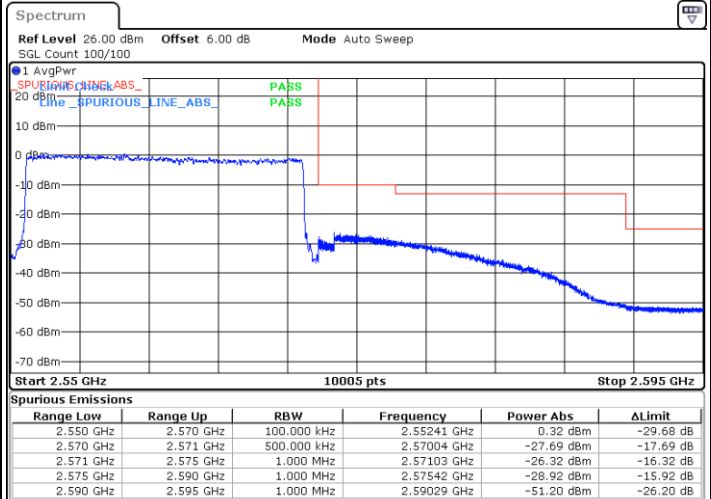
Date: 12.OCT.2022 04:34:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.OCT.2022 04:22:45

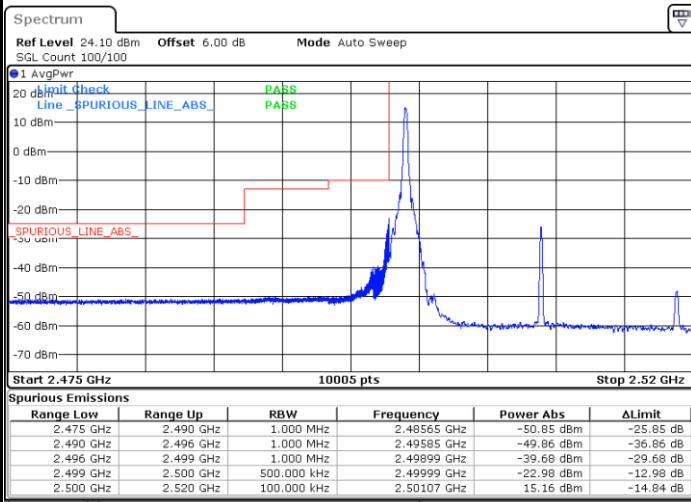


Date: 12.OCT.2022 04:35:12



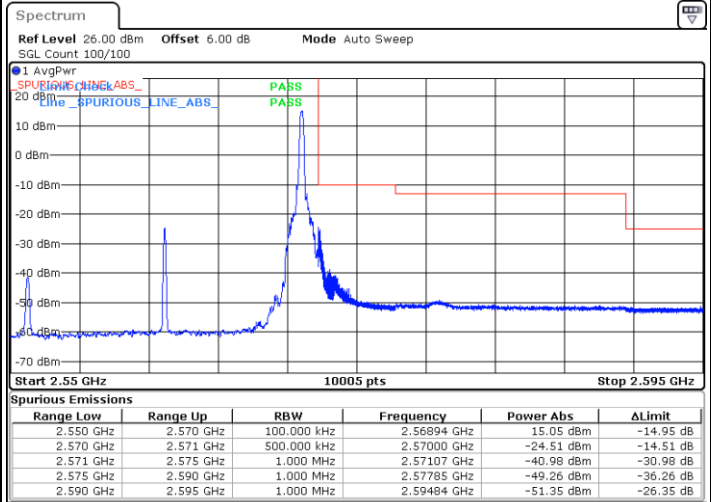
LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1RB



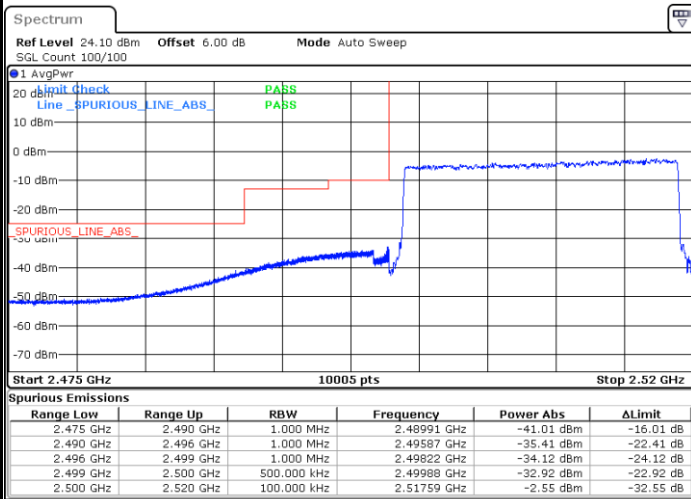
Date: 12.OCT.2022 04:29:25

Highest Band Edge / 1 RB



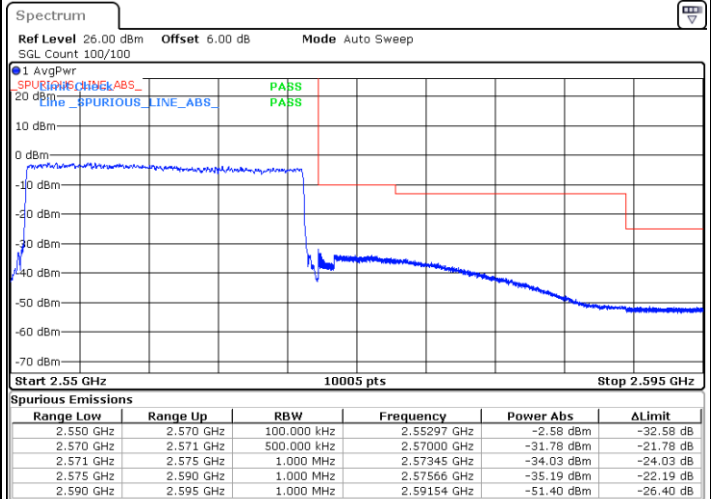
Date: 12.OCT.2022 04:34:31

Lowest Band Edge / Full RB



Date: 12.OCT.2022 04:28:49

Highest Band Edge / Full RB

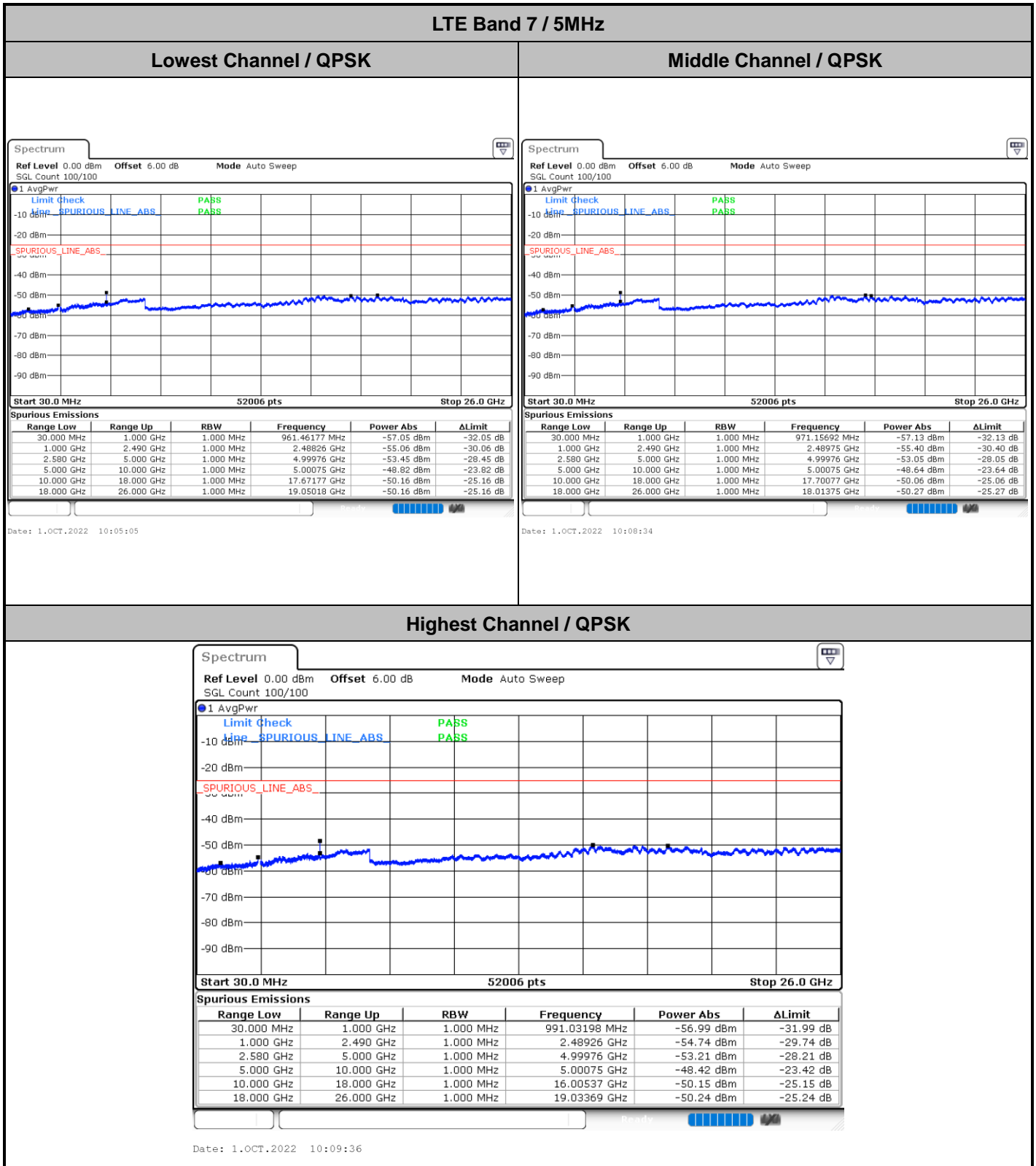


Date: 12.OCT.2022 04:34:59





# Conducted Spurious Emission

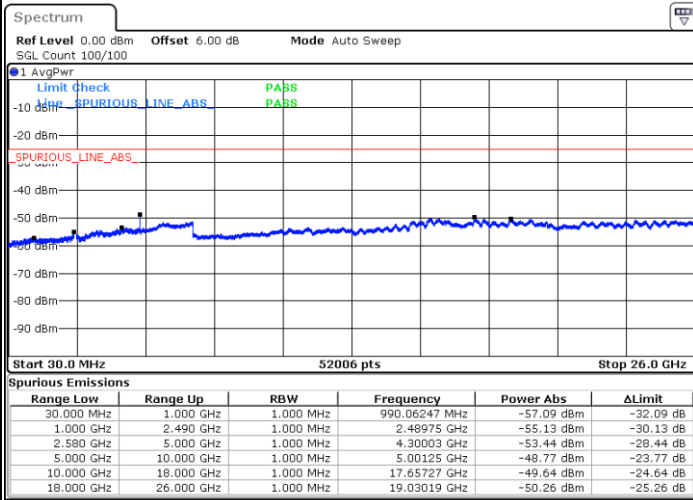




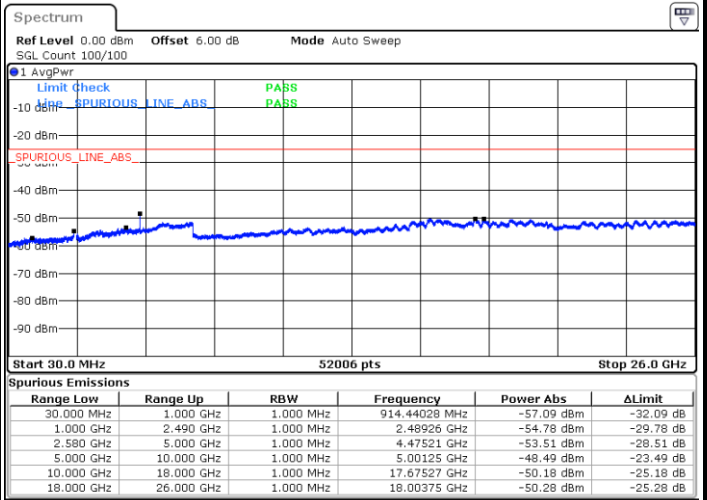
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

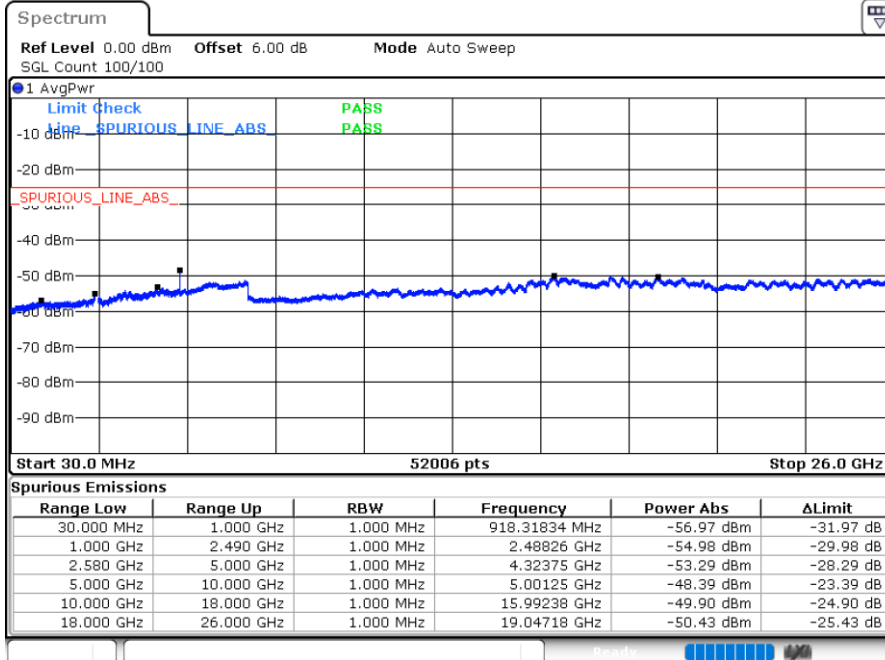


Date: 1.OCT.2022 10:24:10



Date: 1.OCT.2022 10:25:12

Highest Channel / QPSK



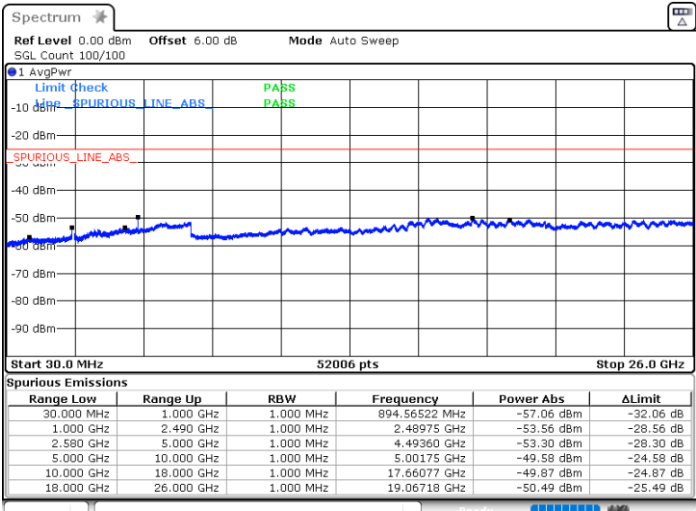
Date: 1.OCT.2022 10:26:00



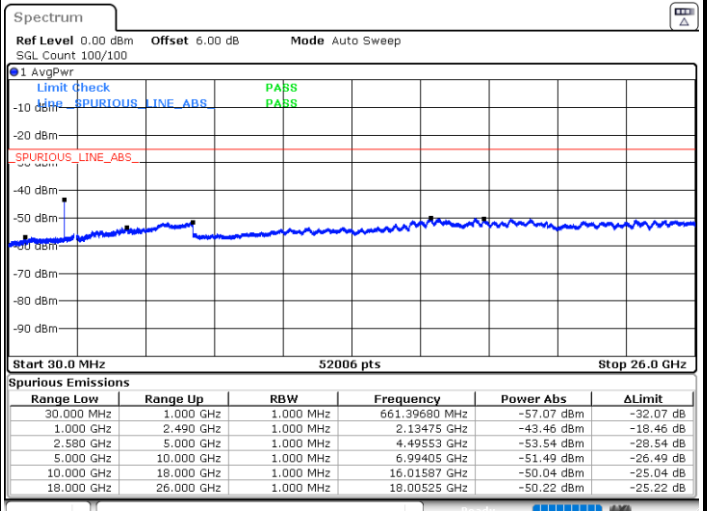
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

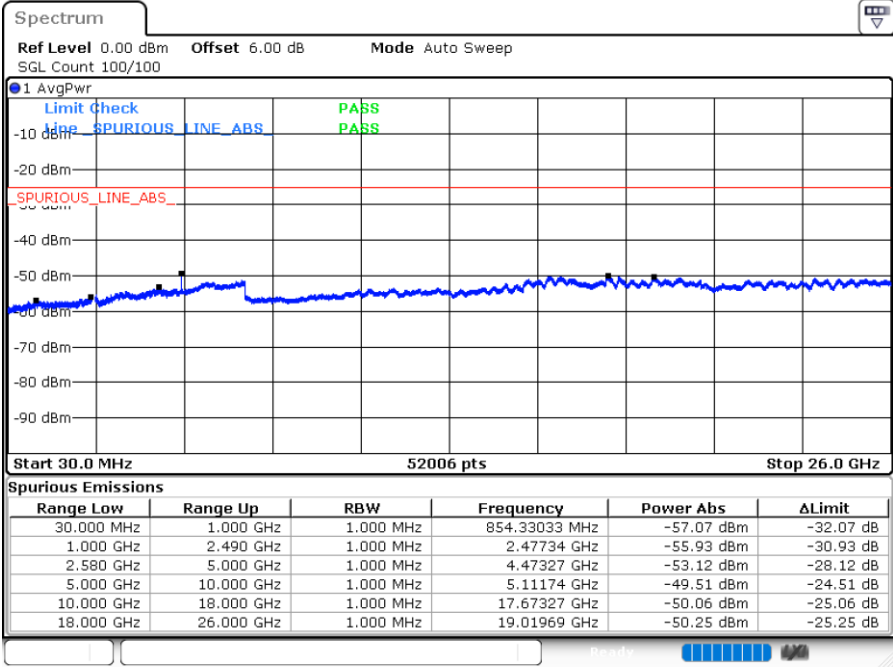


Date: 1.OCT.2022 08:24:26



Date: 1.OCT.2022 08:22:50

Highest Channel / QPSK



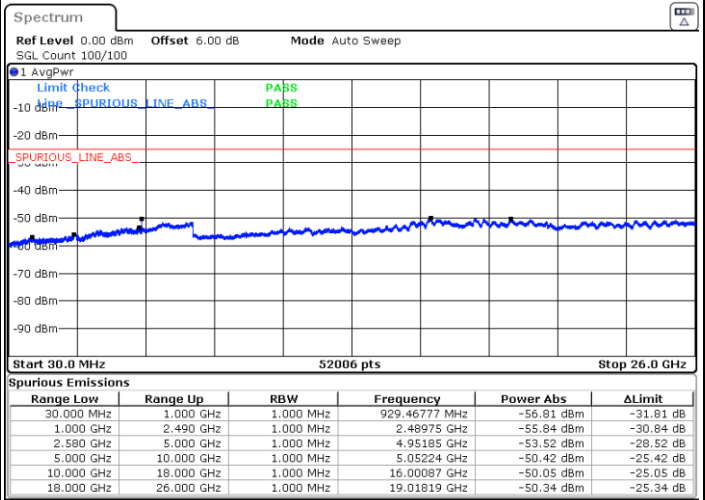
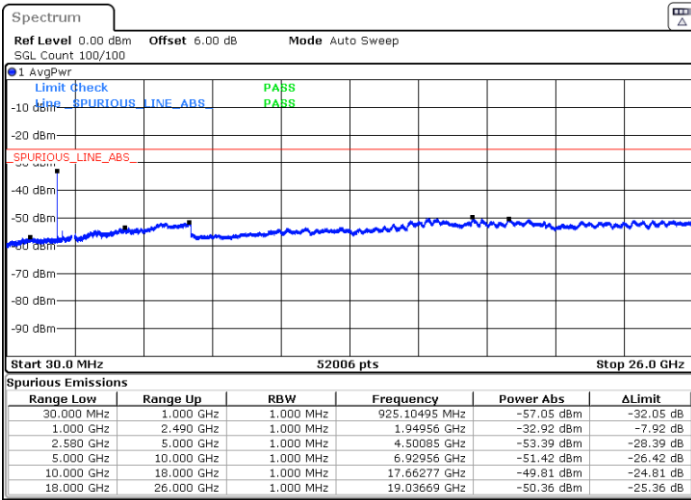
Date: 1.OCT.2022 09:52:31



LTE Band 7 / 20MHz

Lowest Channel / QPSK

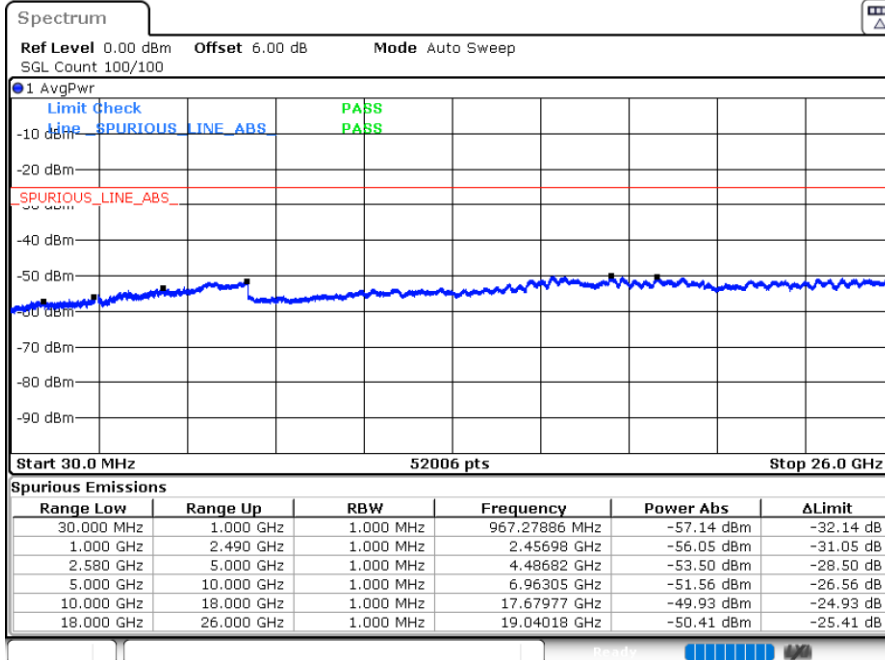
Middle Channel / QPSK



Date: 1.OCT.2022 07:51:33

Date: 1.OCT.2022 07:50:27

Highest Channel / QPSK



Date: 1.OCT.2022 08:17:51



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	0.0031	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0039	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.88 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.27 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.