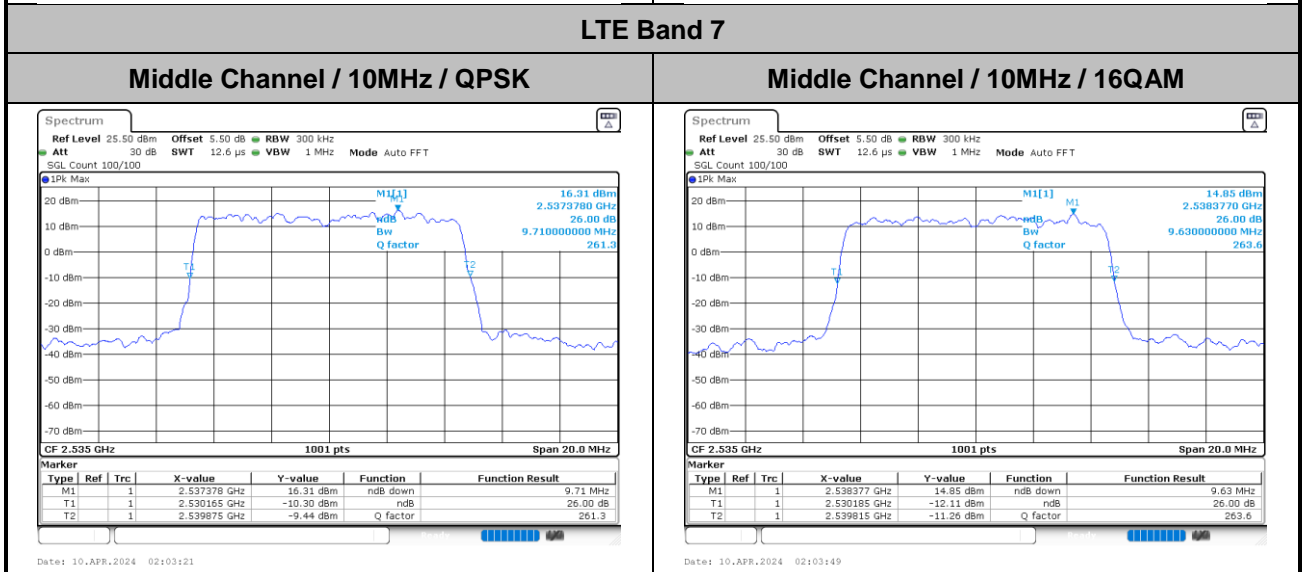
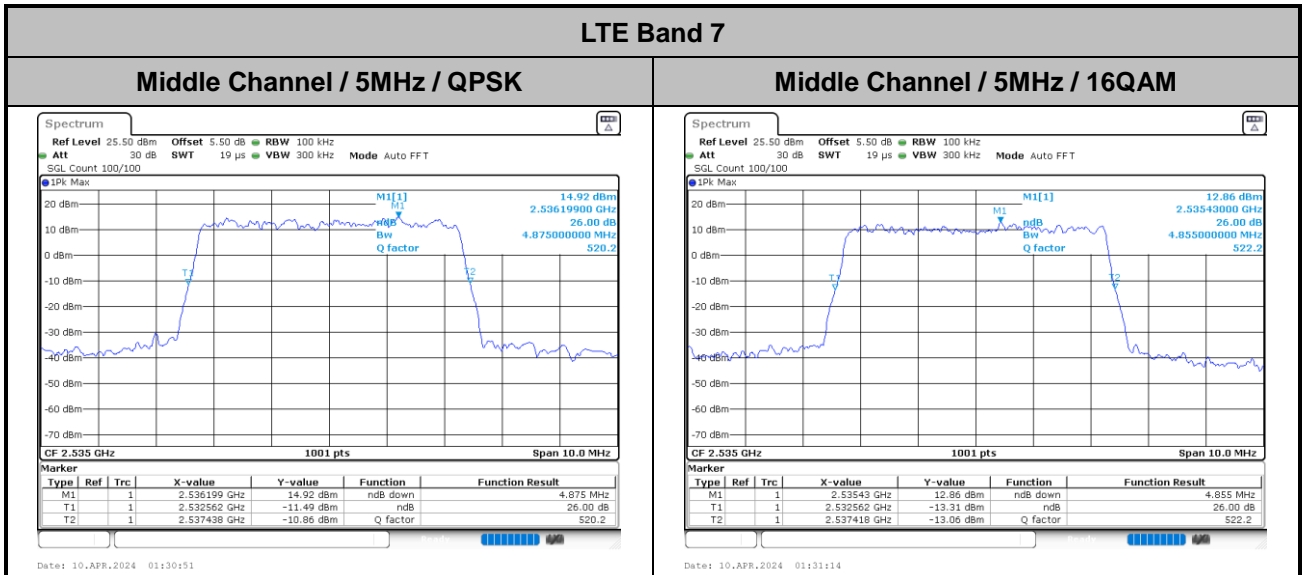




## 26dB Bandwidth

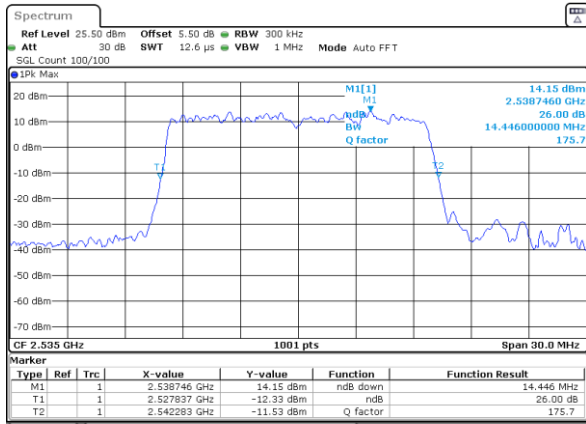
Mode	LTE Band 7 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.88	4.86	9.71	9.63	14.45	14.39	18.98	18.94





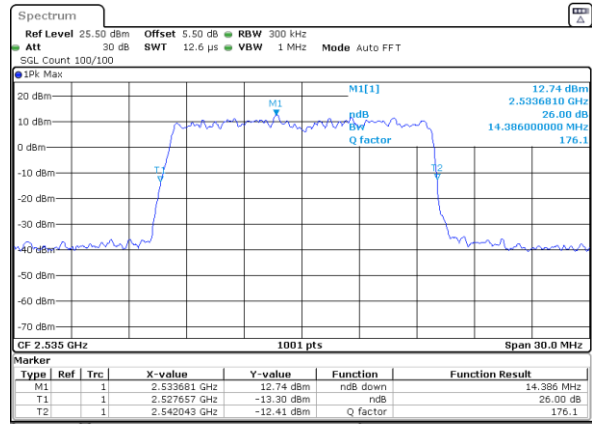
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 10.APR.2024 02:20:44

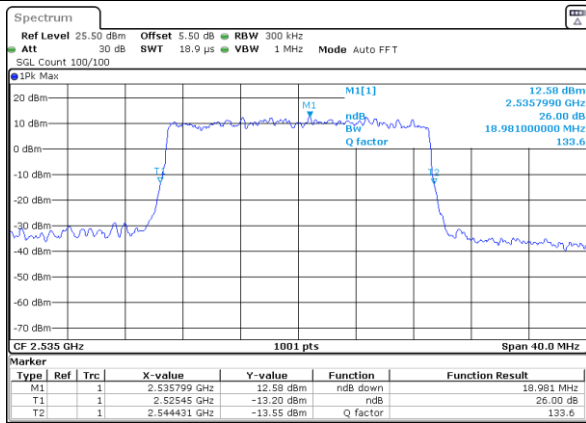
Middle Channel / 15MHz / 16QAM



Date: 10.APR.2024 02:21:13

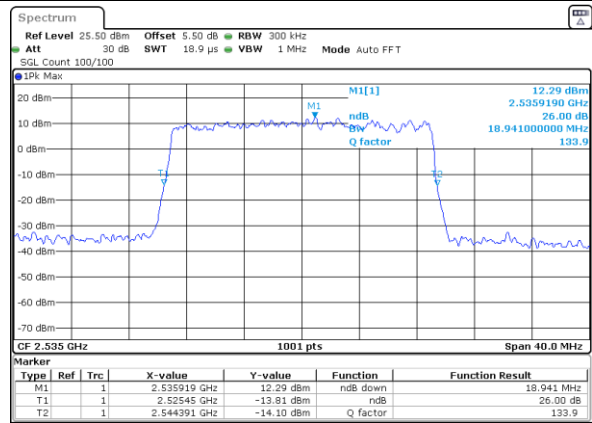
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 10.APR.2024 02:37:28

Middle Channel / 20MHz / 16QAM

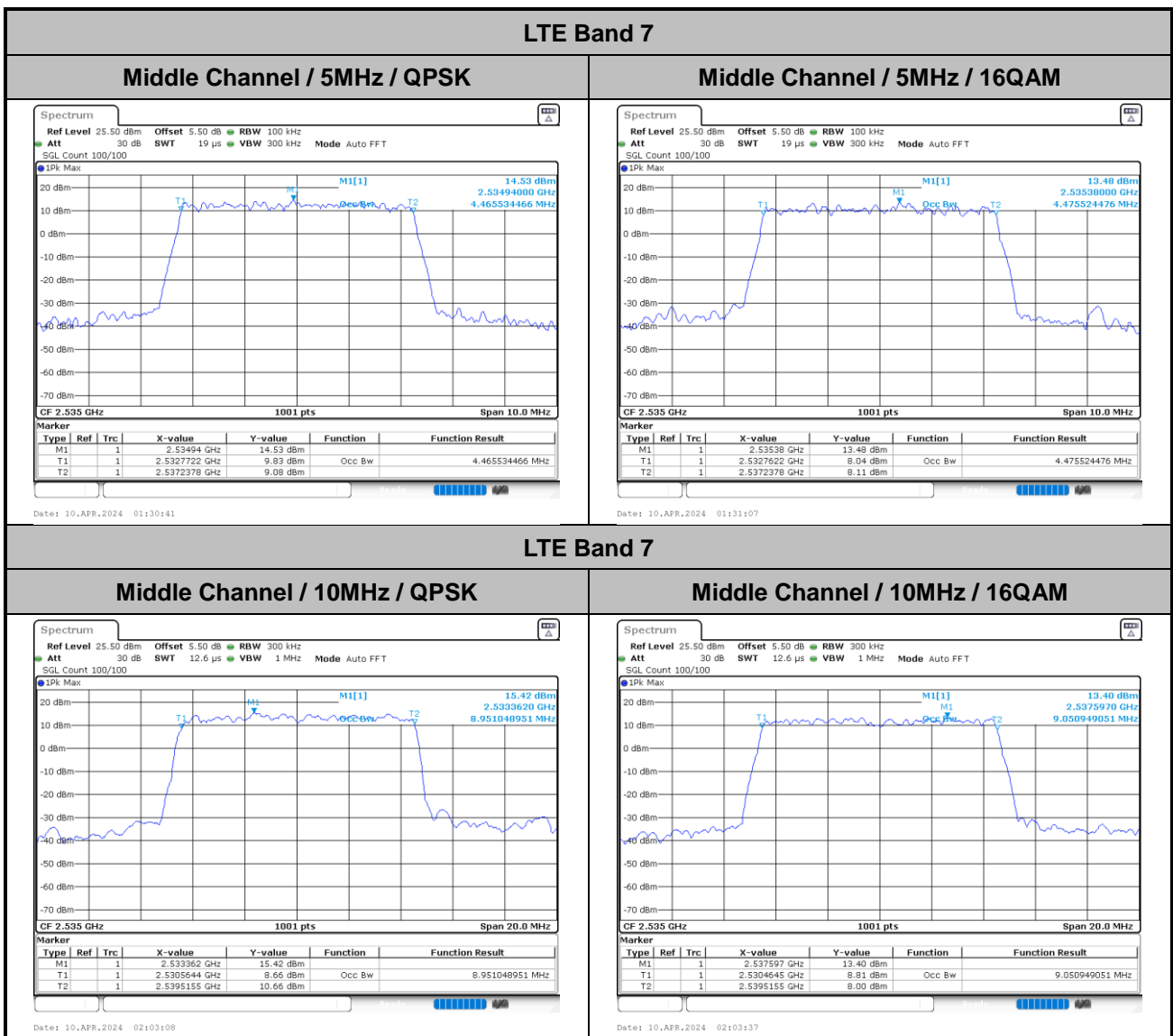


Date: 10.APR.2024 02:37:50



# Occupied Bandwidth

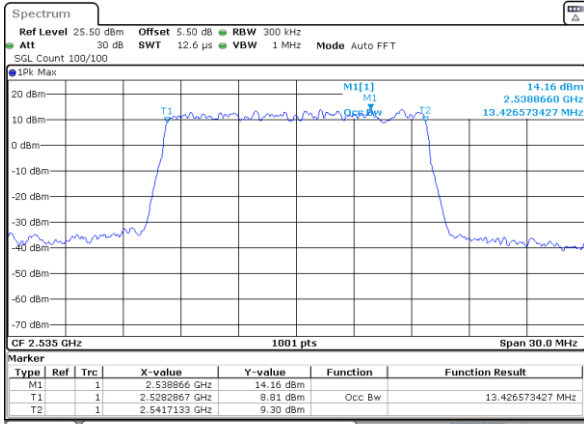
Mode	LTE Band 7 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.47	4.48	8.95	9.05	13.43	13.43	17.82	17.90





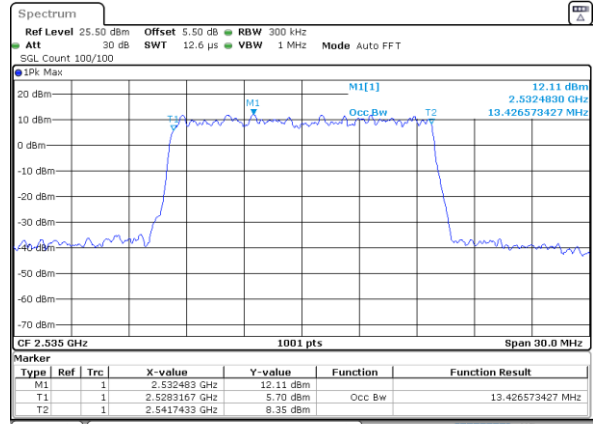
LTE Band 7

Middle Channel / 15MHz / QPSK



Date: 10.APR.2024 02:20:34

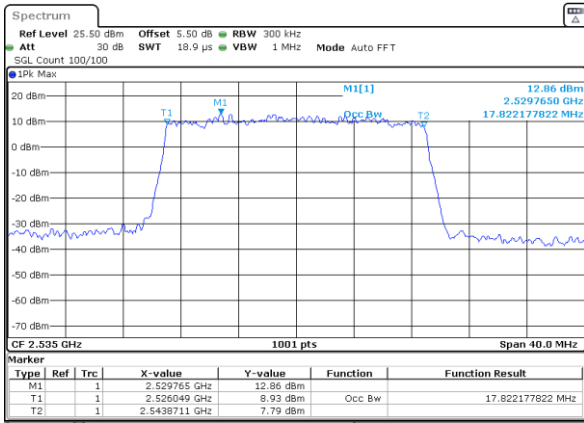
Middle Channel / 15MHz / 16QAM



Date: 10.APR.2024 02:21:01

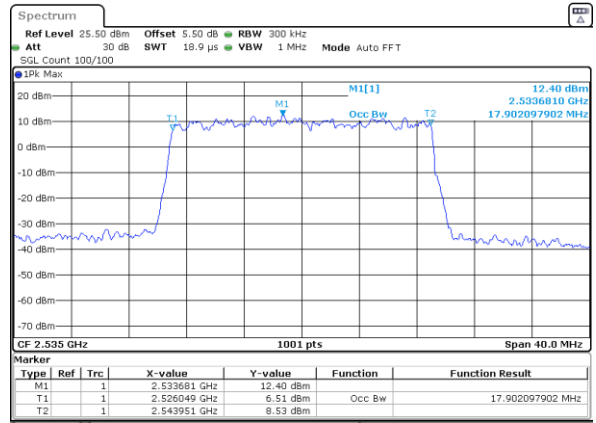
LTE Band 7

Middle Channel / 20MHz / QPSK



Date: 10.APR.2024 02:37:20

Middle Channel / 20MHz / 16QAM



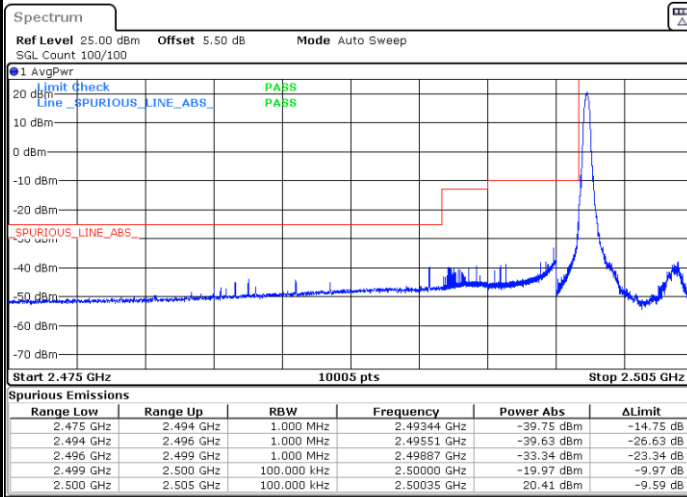
Date: 10.APR.2024 02:37:43



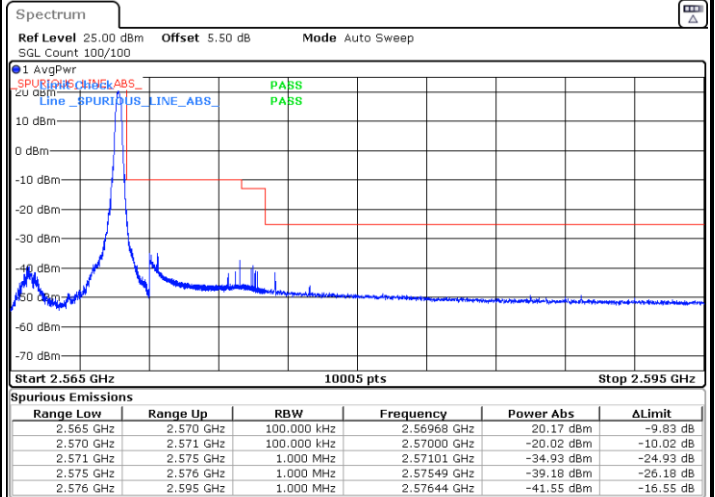
# Conducted Band Edge

## LTE Band 7 / 5MHz / QPSK

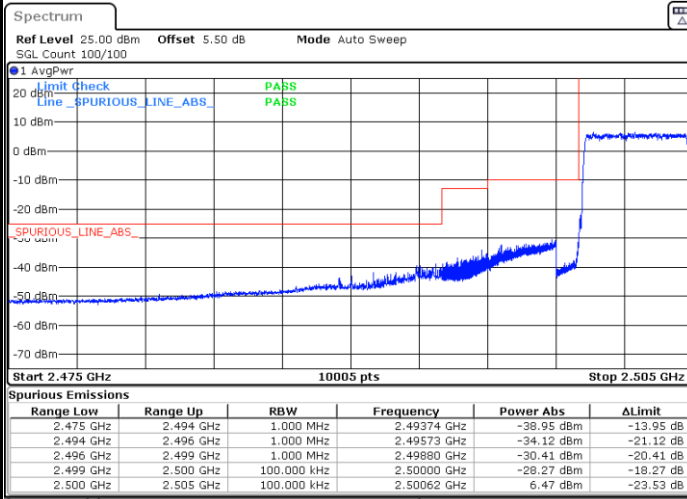
### Lowest Band Edge / 1 RB



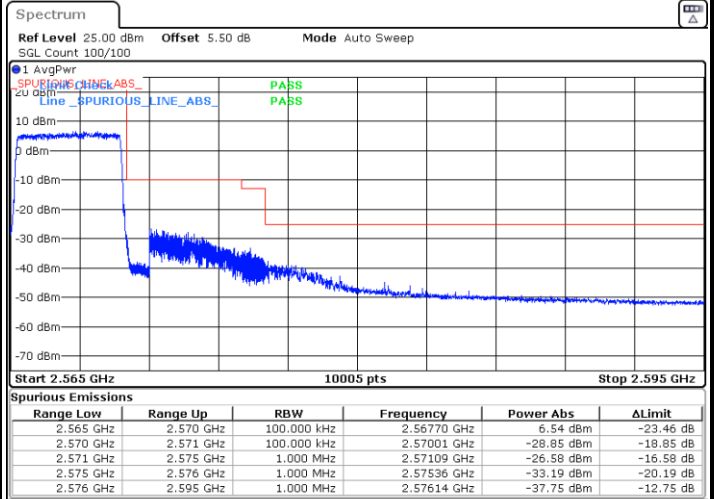
### Highest Band Edge / 1 RB



### Lowest Band Edge / Full RB



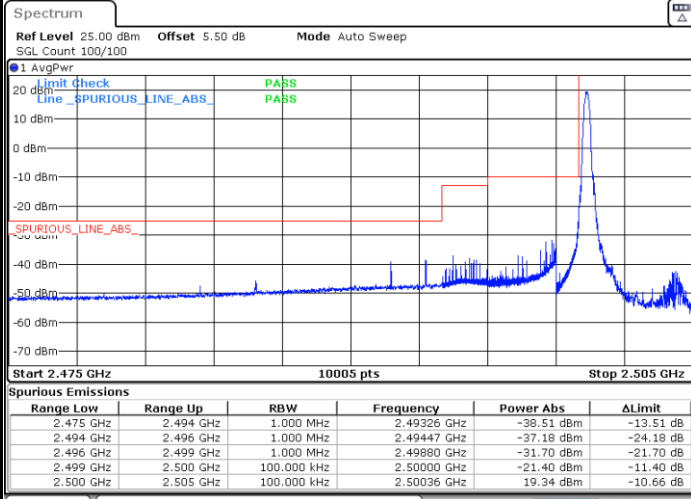
### Highest Band Edge / Full RB





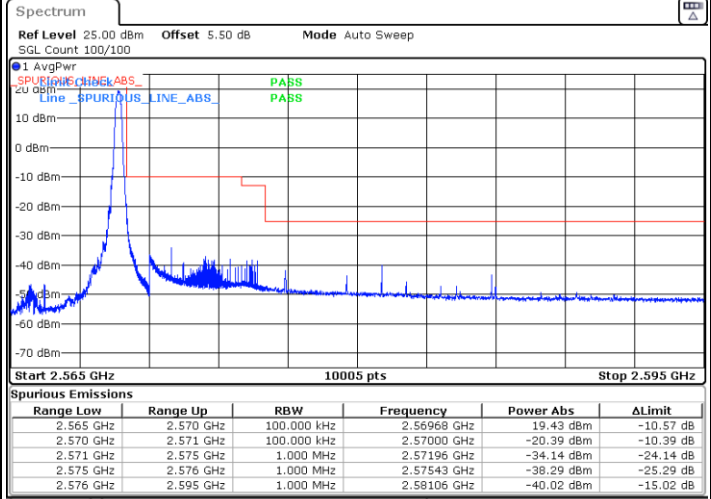
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



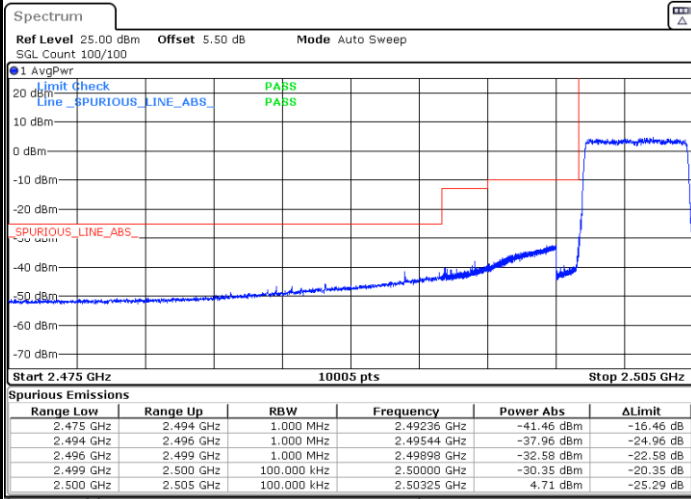
Date: 10.APR.2024 01:34:27

Highest Band Edge / 1 RB



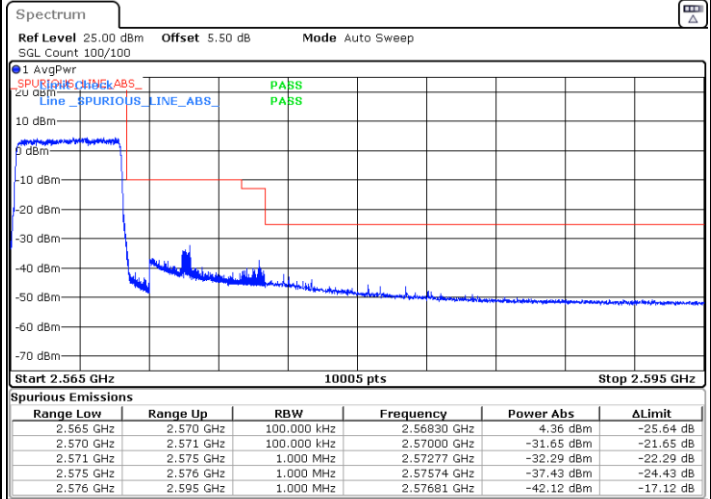
Date: 10.APR.2024 01:40:29

Lowest Band Edge / Full RB



Date: 10.APR.2024 01:36:21

Highest Band Edge / Full RB

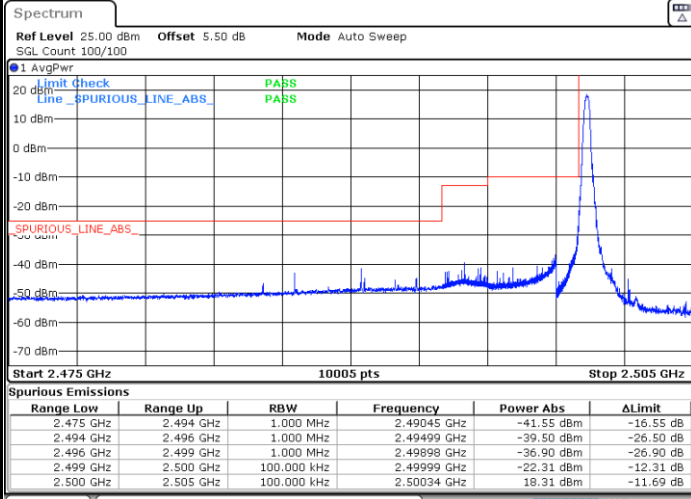


Date: 10.APR.2024 01:42:38



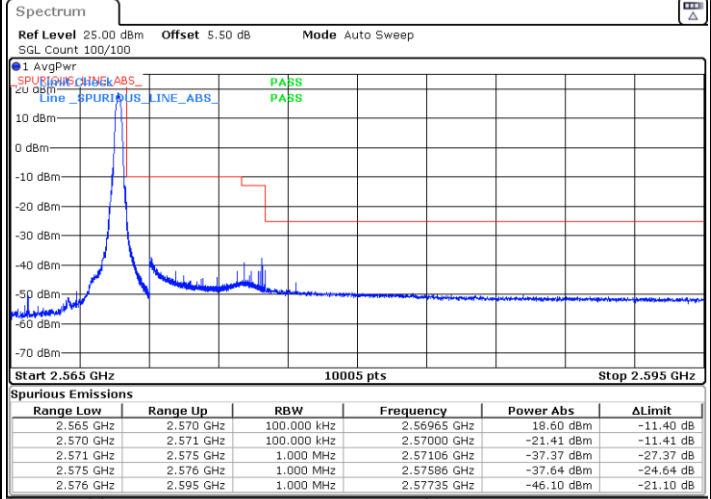
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



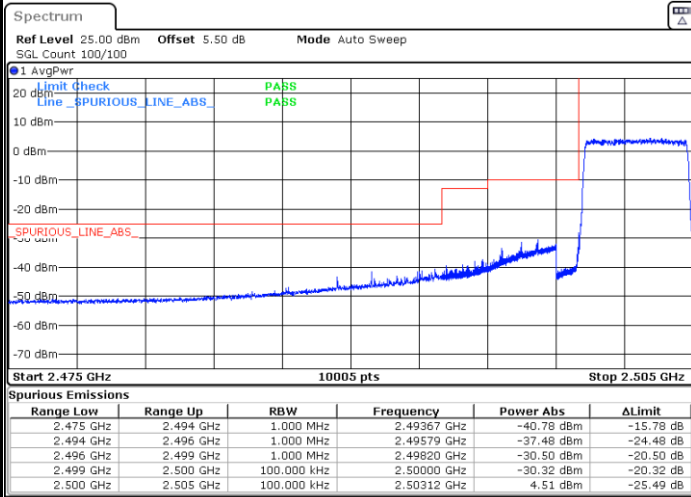
Date: 10.APR.2024 01:34:52

Highest Band Edge / 1 RB



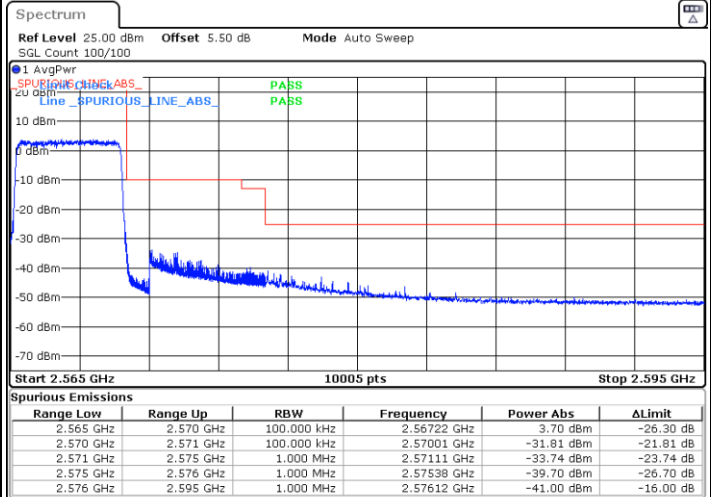
Date: 10.APR.2024 01:40:50

Lowest Band Edge / Full RB



Date: 10.APR.2024 01:36:51

Highest Band Edge / Full RB



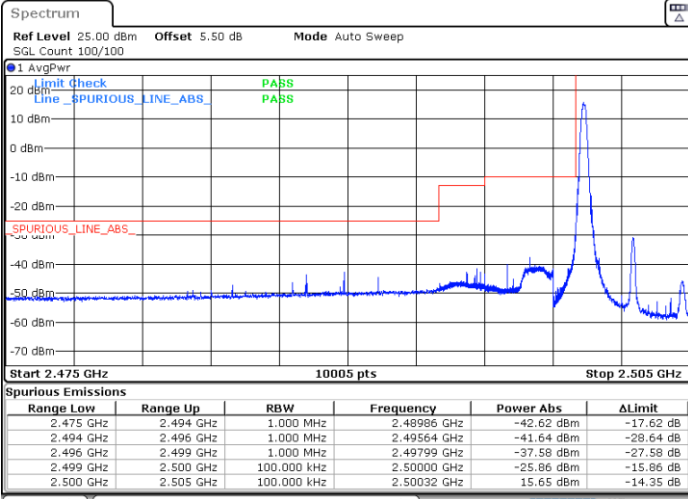
Date: 10.APR.2024 01:43:01



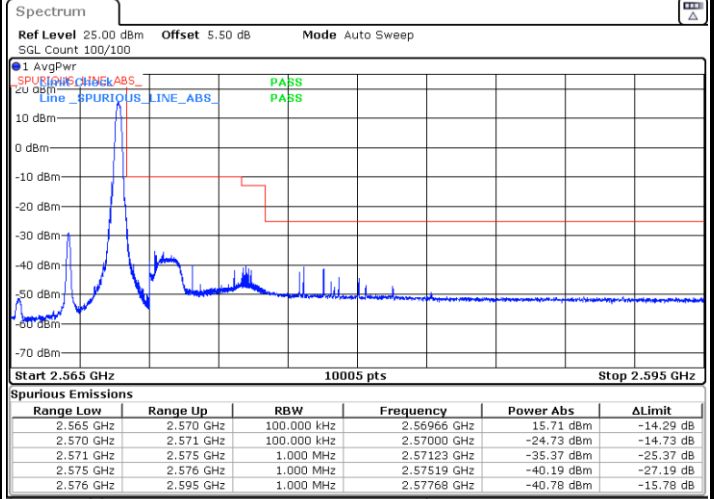
LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



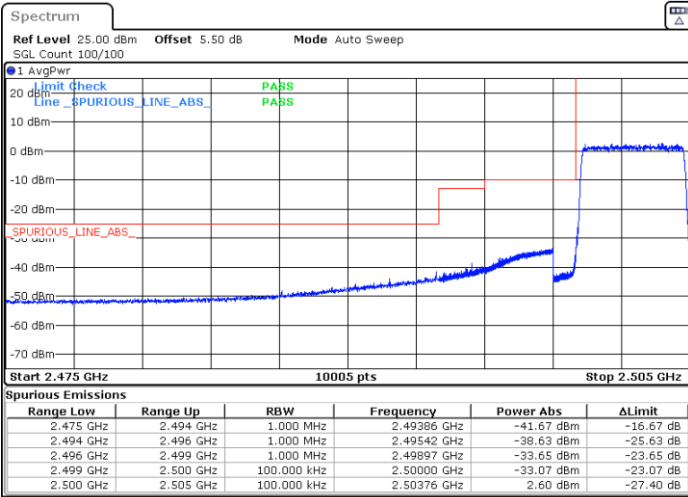
Date: 10.APR.2024 01:35:19



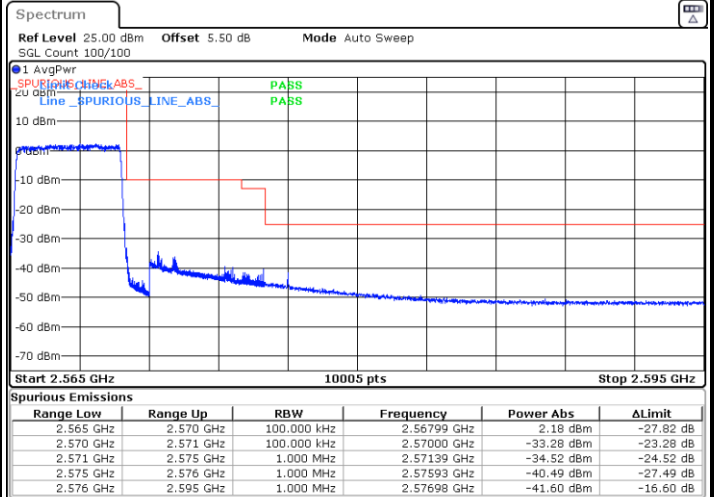
Date: 10.APR.2024 01:41:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.APR.2024 01:37:23



Date: 10.APR.2024 01:43:45

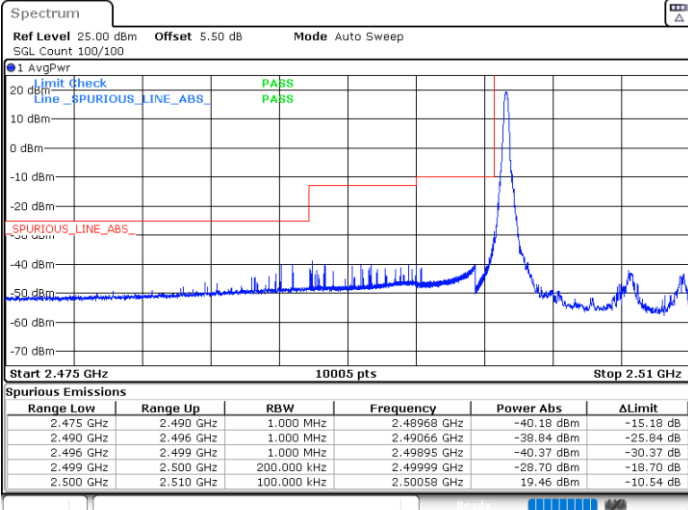




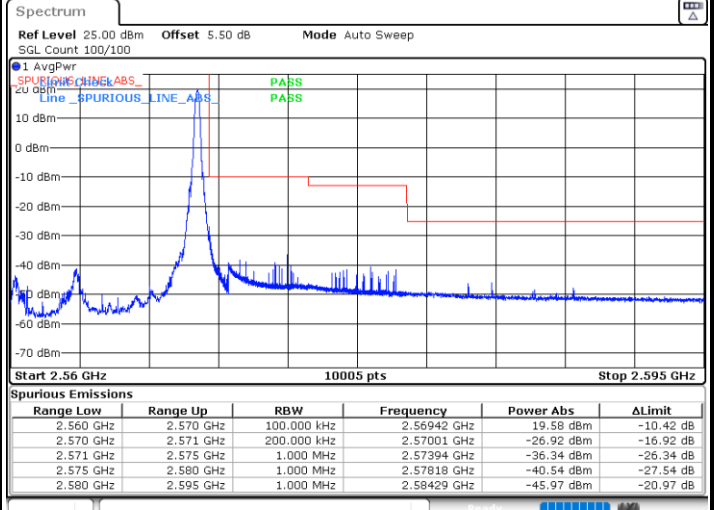
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



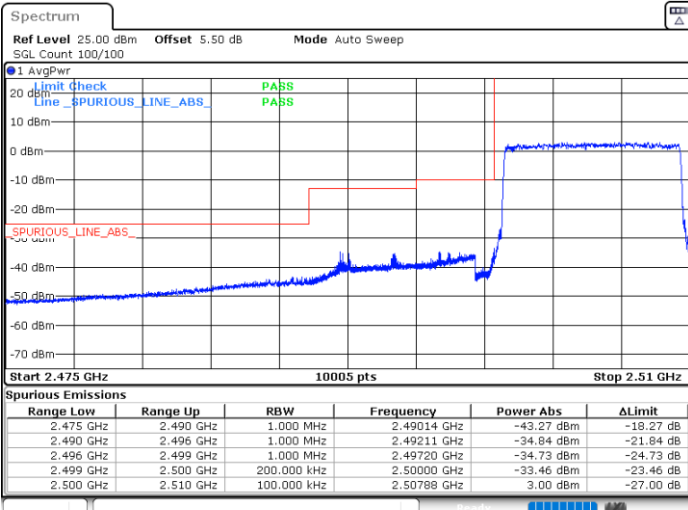
Date: 10.APR.2024 02:06:35



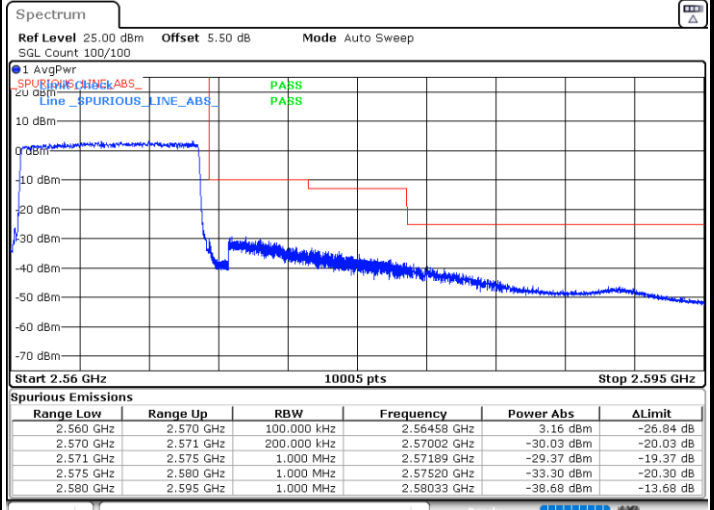
Date: 10.APR.2024 02:14:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.APR.2024 02:08:44



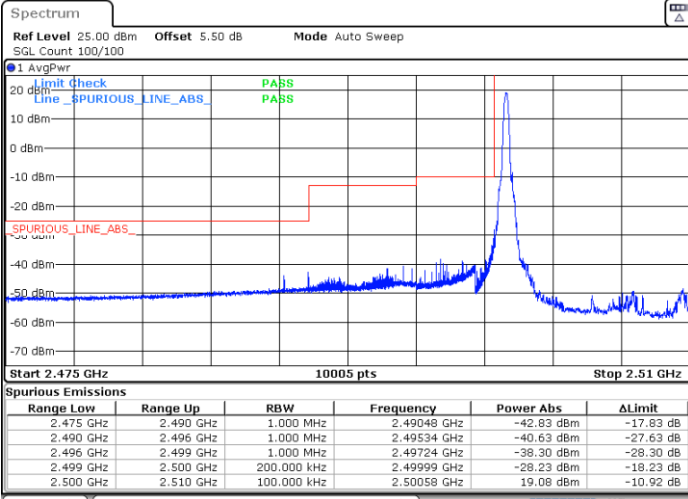
Date: 10.APR.2024 02:16:18



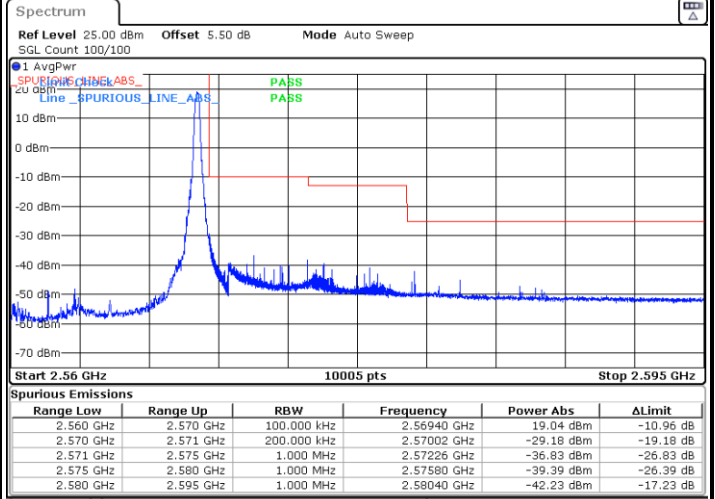
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



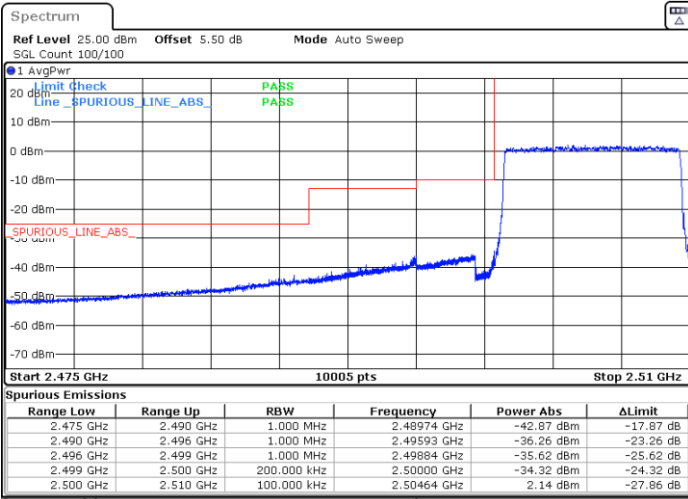
Date: 10.APR.2024 02:07:00



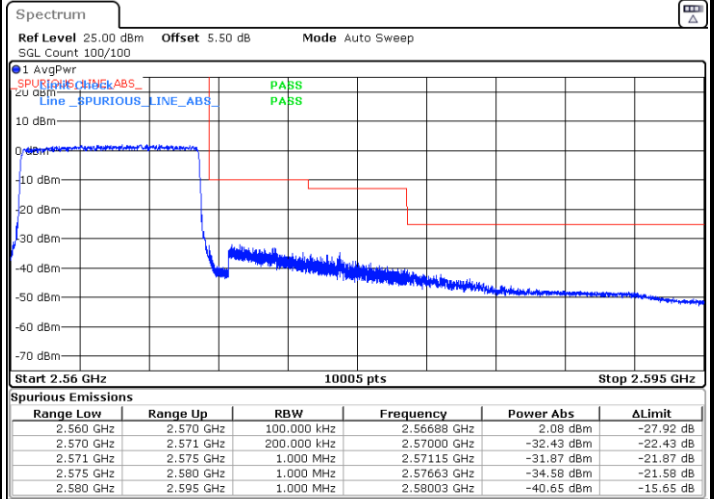
Date: 10.APR.2024 02:14:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.APR.2024 02:09:29



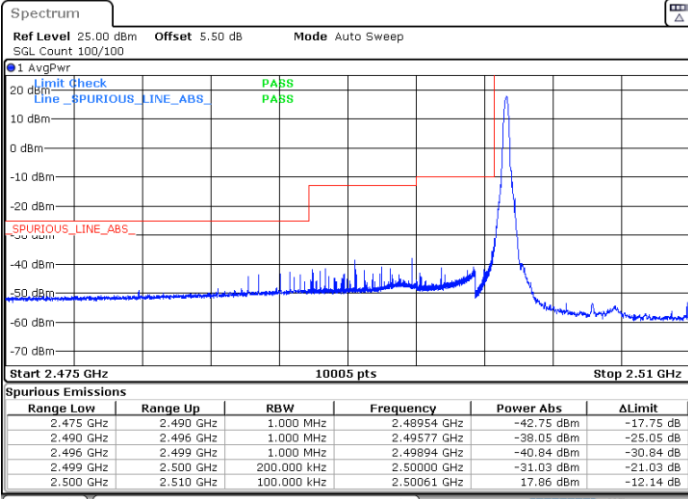
Date: 10.APR.2024 02:16:54



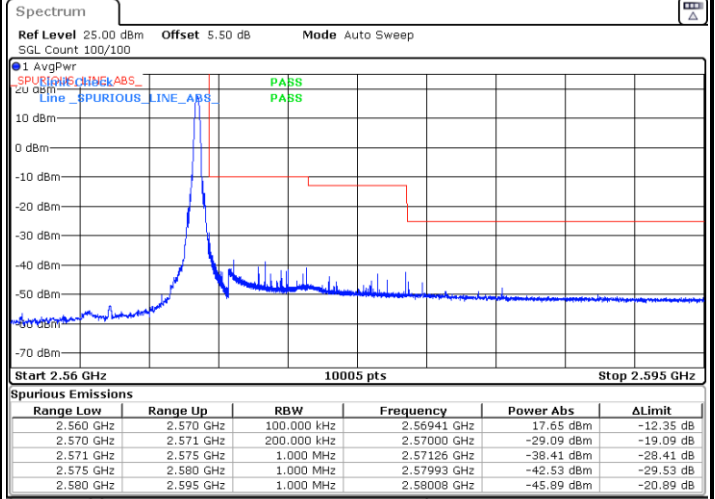
LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



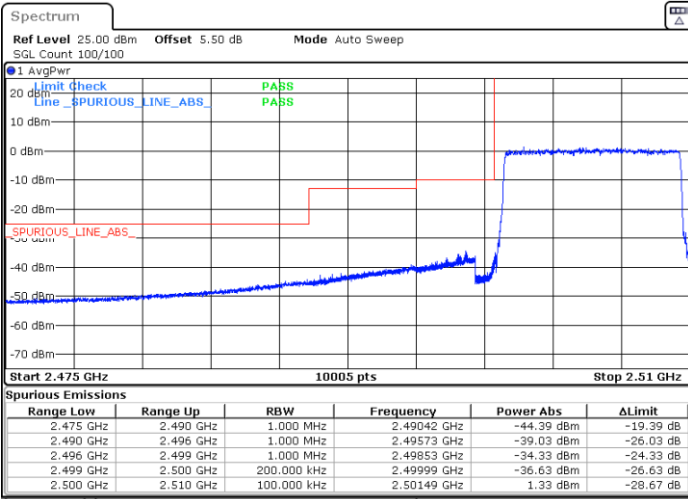
Date: 10.APR.2024 02:07:27



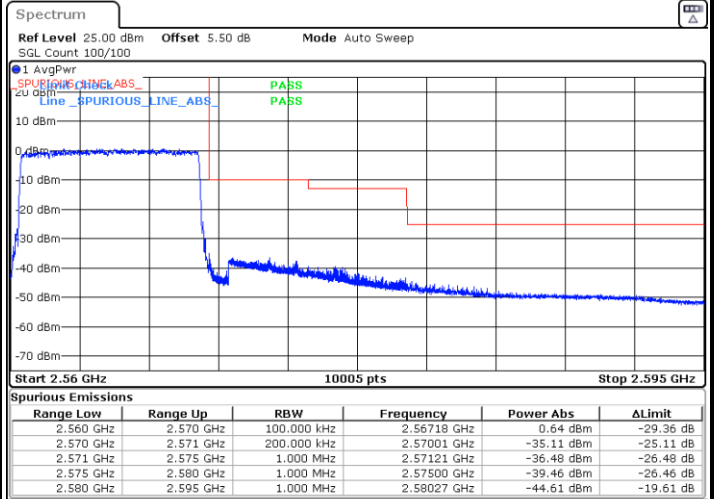
Date: 10.APR.2024 02:15:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.APR.2024 02:10:08



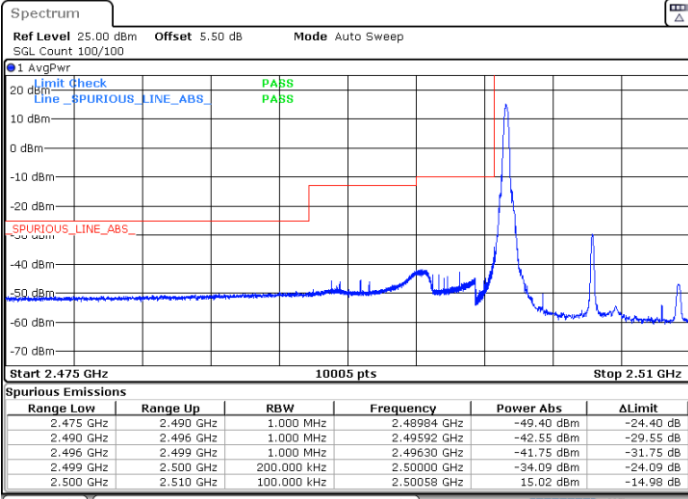
Date: 10.APR.2024 02:17:26



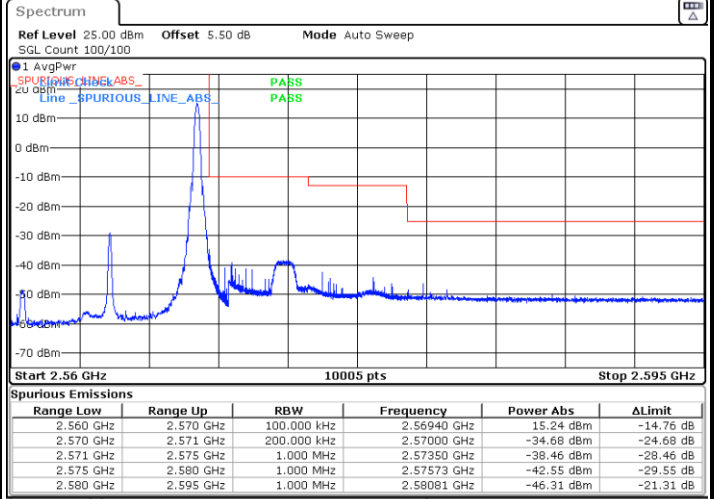
LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



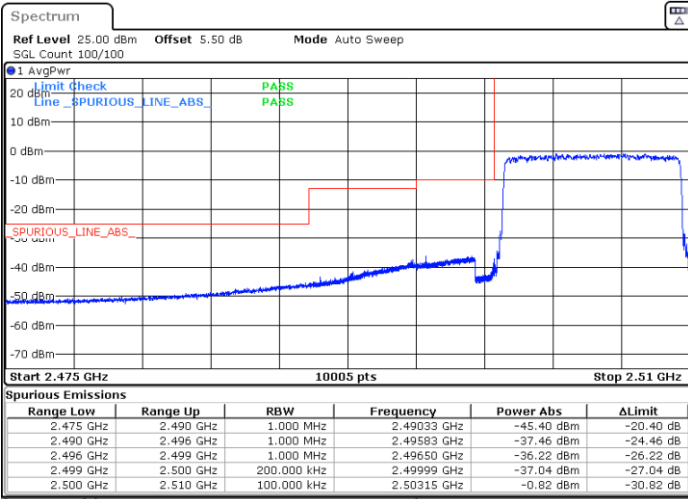
Date: 10.APR.2024 02:08:01



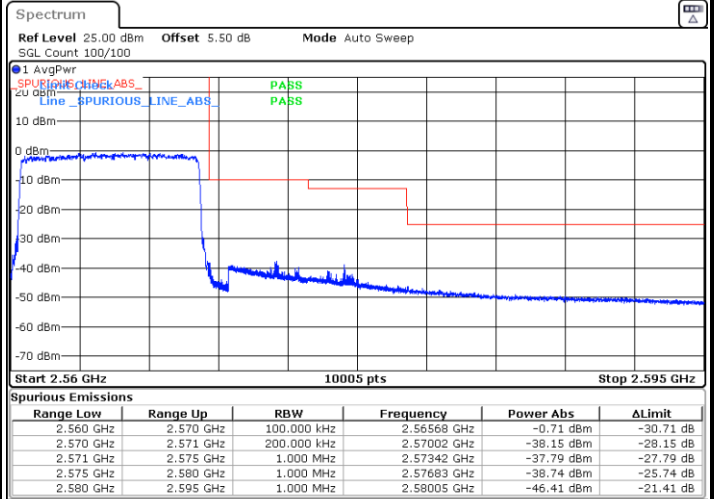
Date: 10.APR.2024 02:15:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.APR.2024 02:11:47



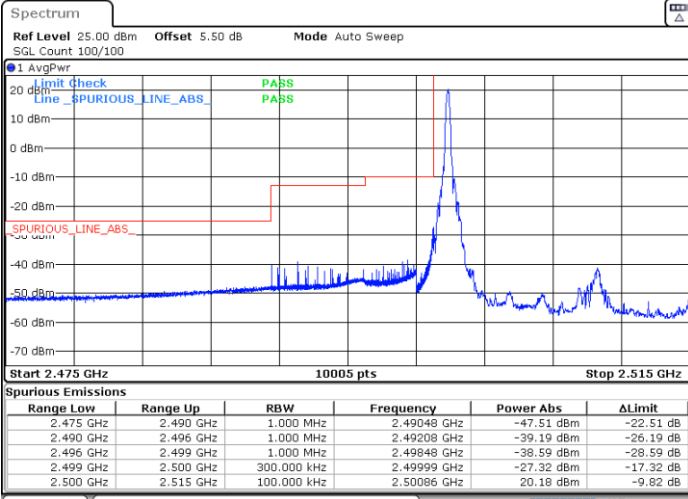
Date: 10.APR.2024 02:18:04



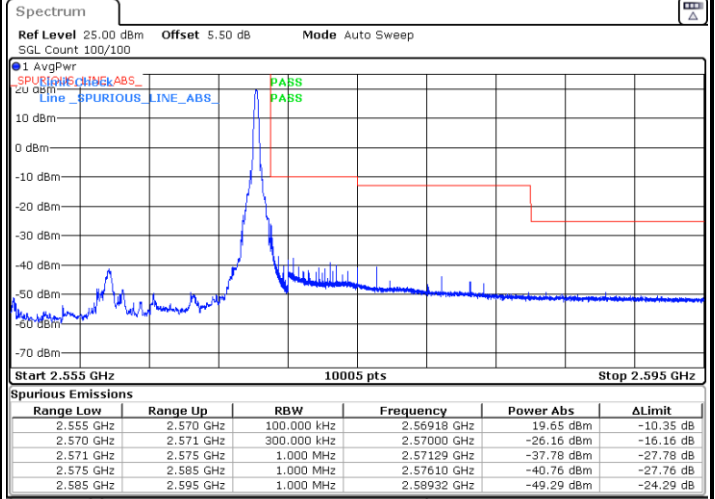
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



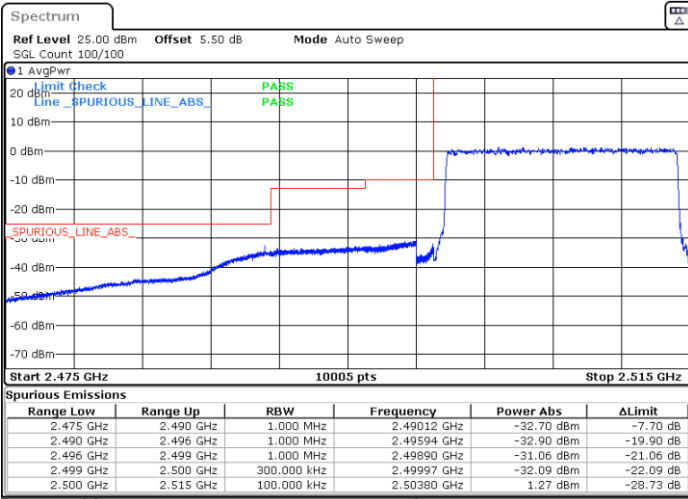
Date: 10.APR.2024 02:23:51



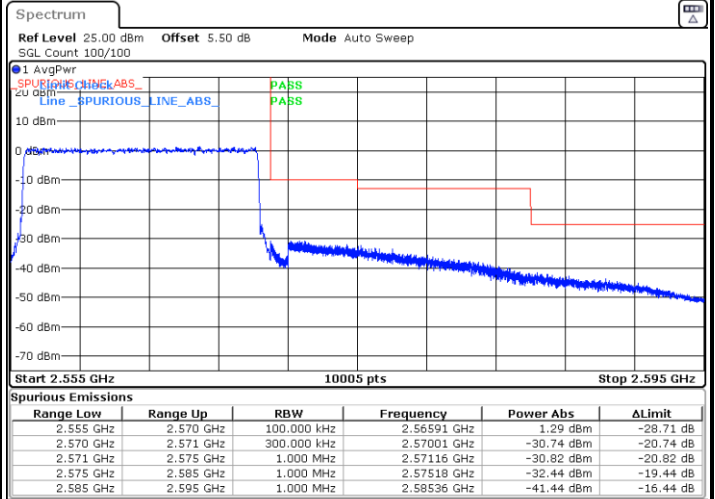
Date: 10.APR.2024 02:31:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.APR.2024 02:26:41



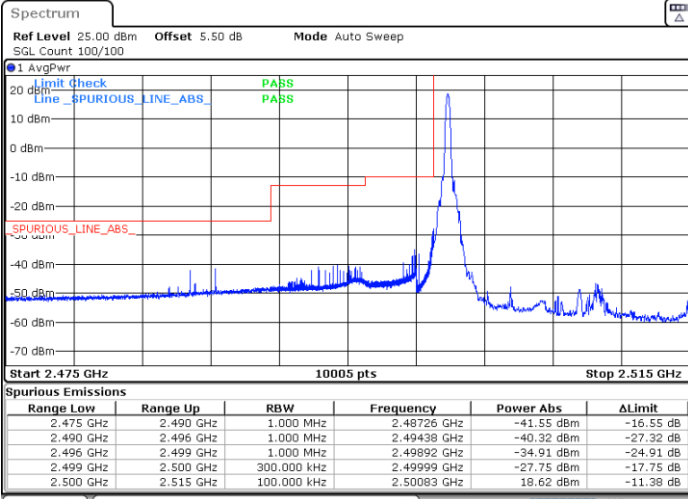
Date: 10.APR.2024 02:33:03



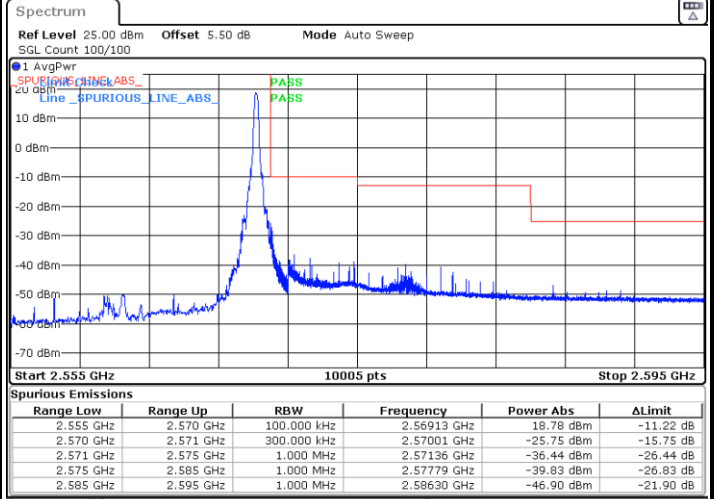
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



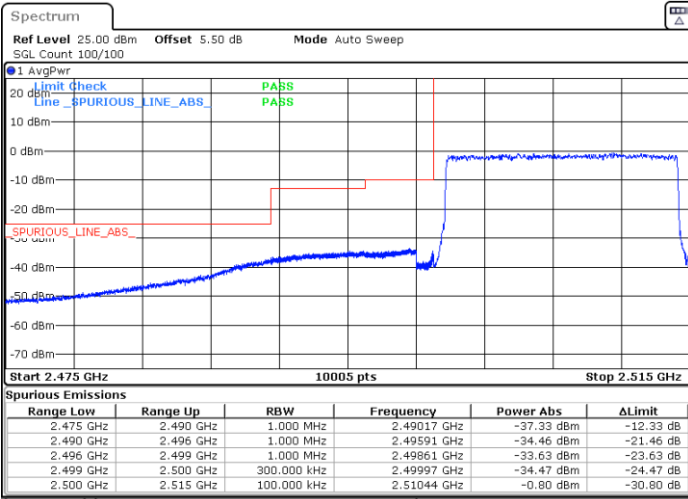
Date: 10.APR.2024 02:24:30



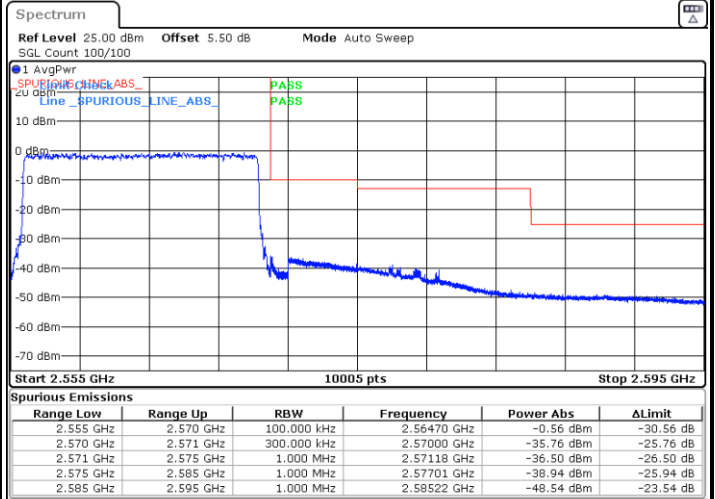
Date: 10.APR.2024 02:31:30

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.APR.2024 02:27:19



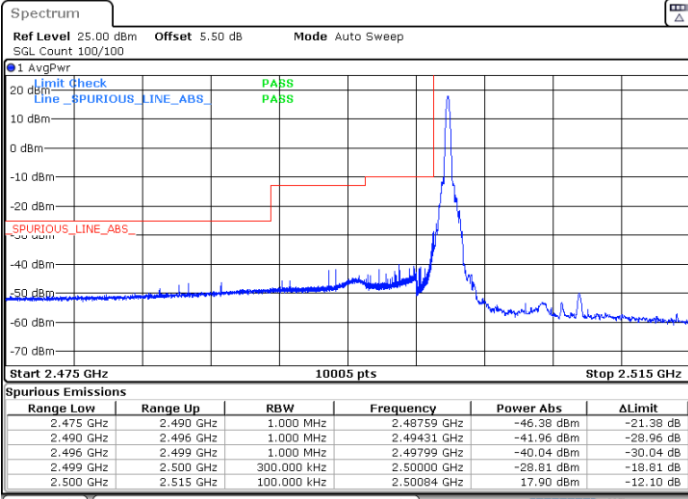
Date: 10.APR.2024 02:33:31



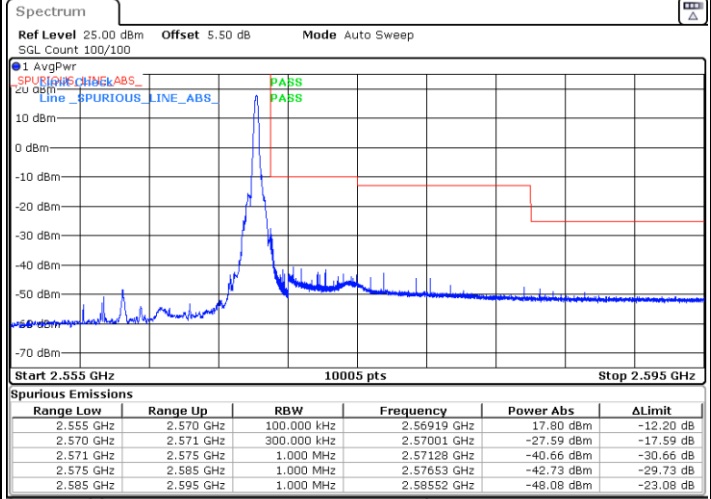
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



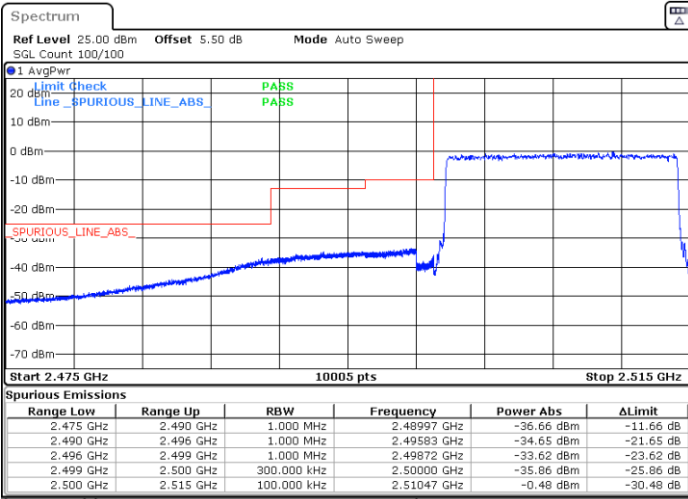
Date: 10.APR.2024 02:25:00



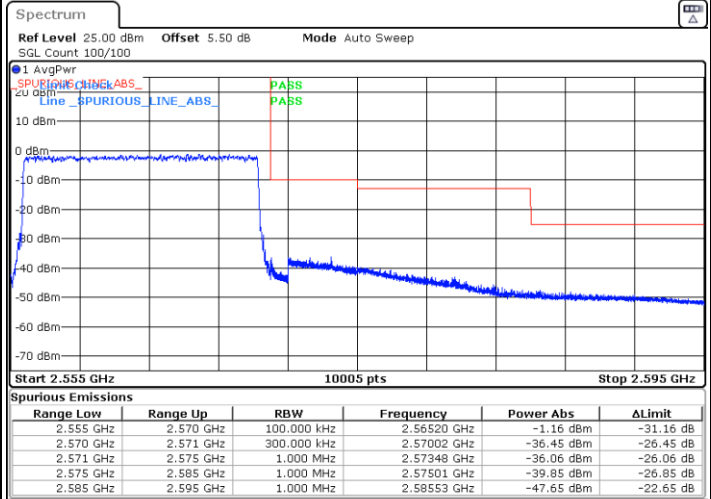
Date: 10.APR.2024 02:31:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.APR.2024 02:27:50



Date: 10.APR.2024 02:33:57

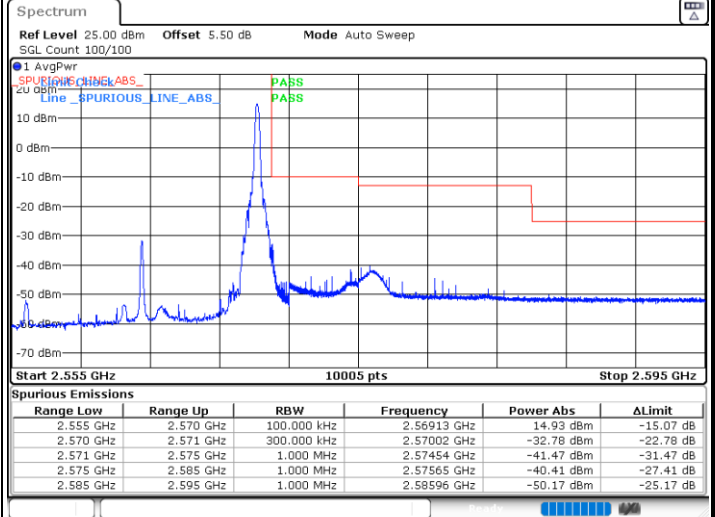
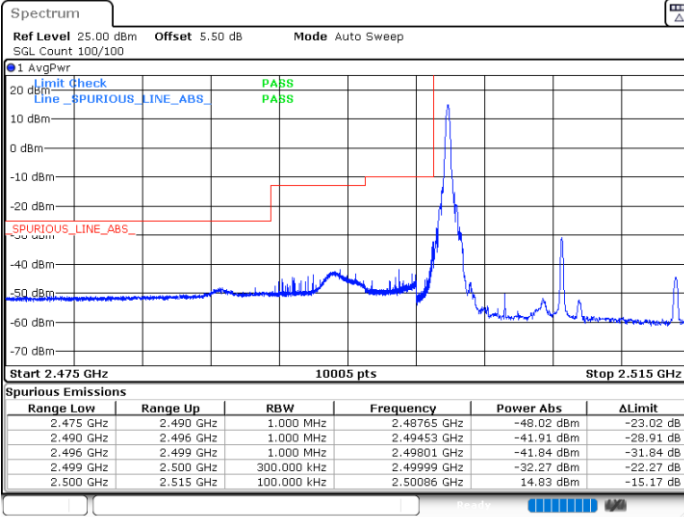




LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

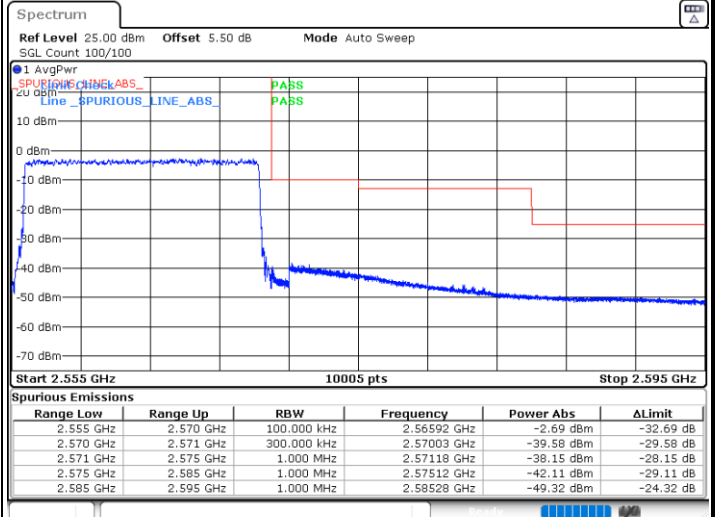
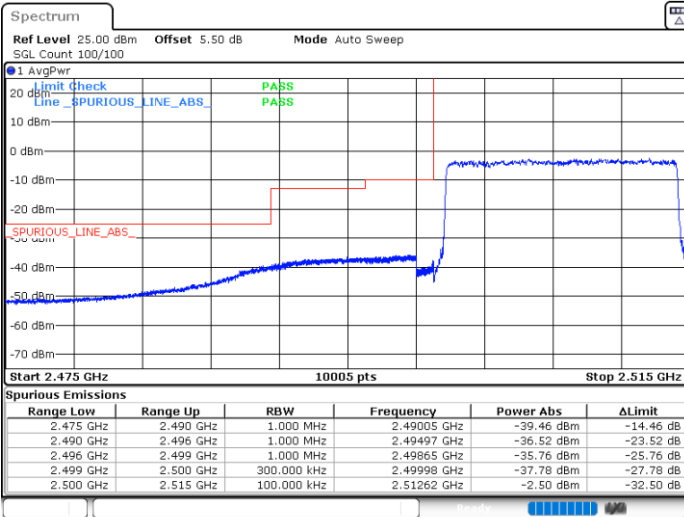


Date: 10.APR.2024 02:25:48

Date: 10.APR.2024 02:32:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.APR.2024 02:28:25

Date: 10.APR.2024 02:34:23

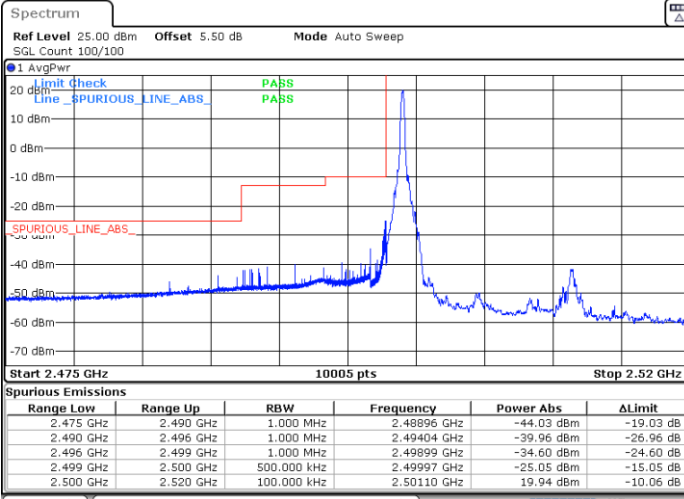




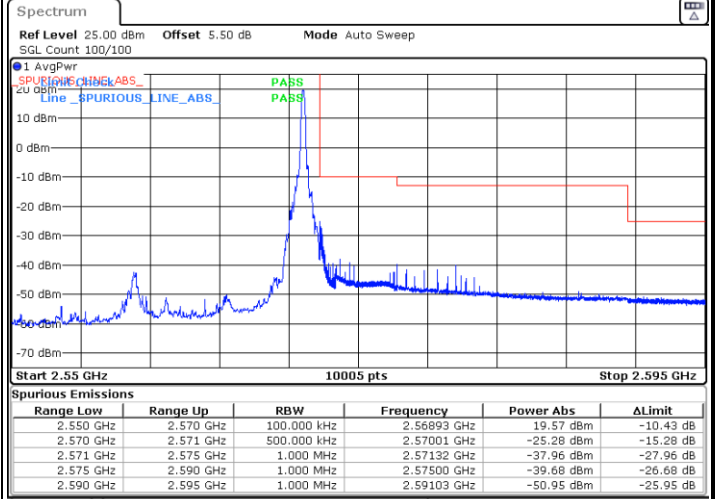
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



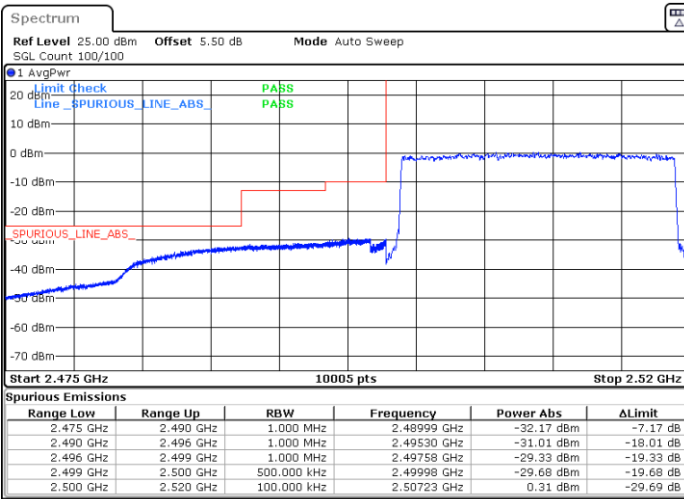
Date: 10.APR.2024 02:41:05



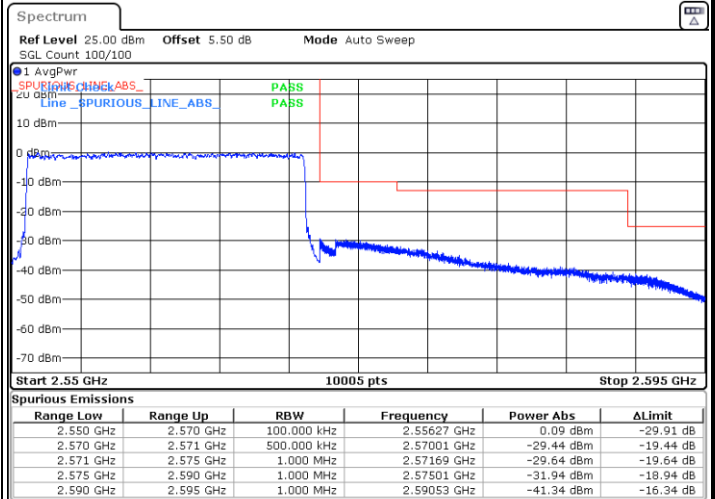
Date: 10.APR.2024 02:46:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.APR.2024 02:43:08



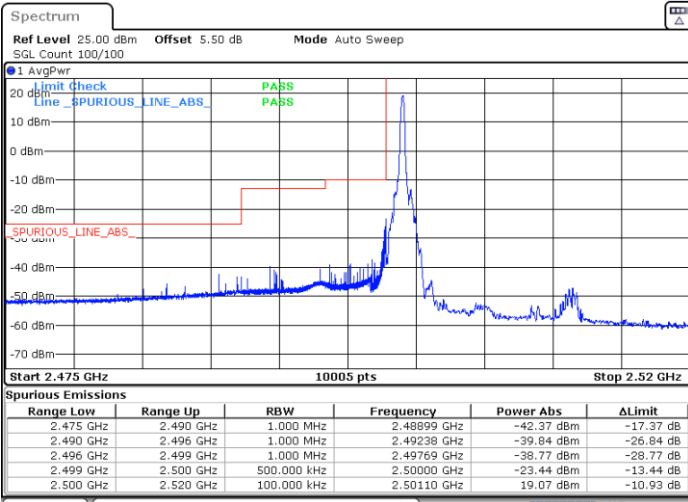
Date: 10.APR.2024 02:48:14



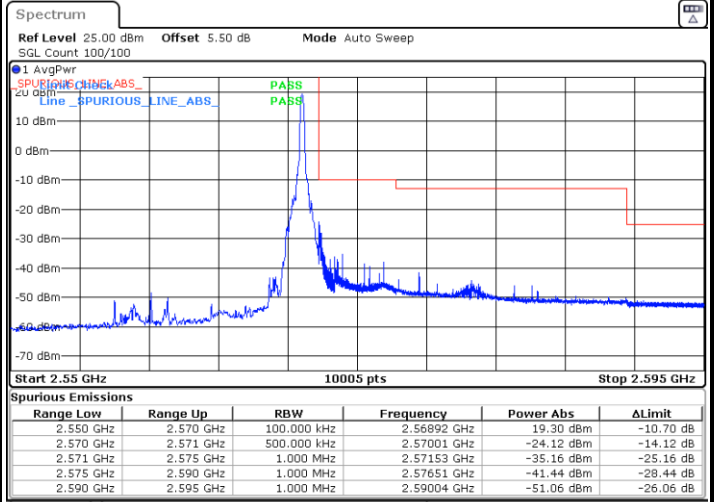
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



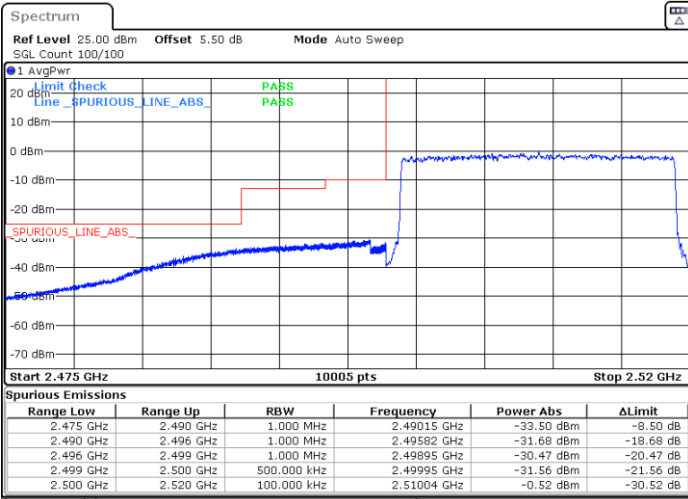
Date: 10.APR.2024 02:41:33



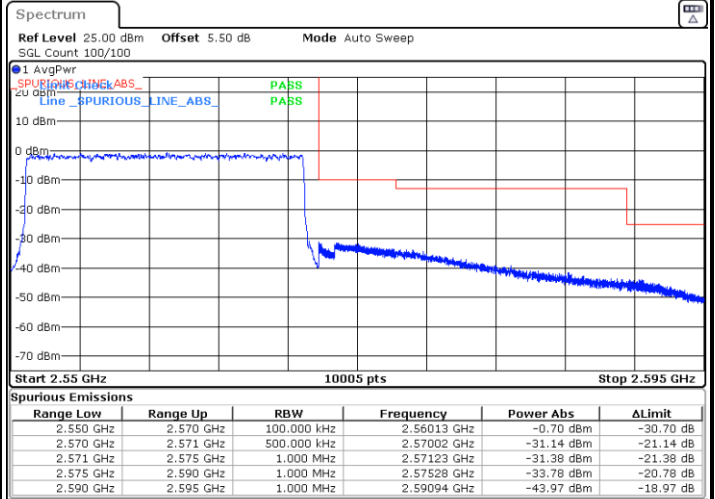
Date: 10.APR.2024 02:46:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.APR.2024 02:43:39



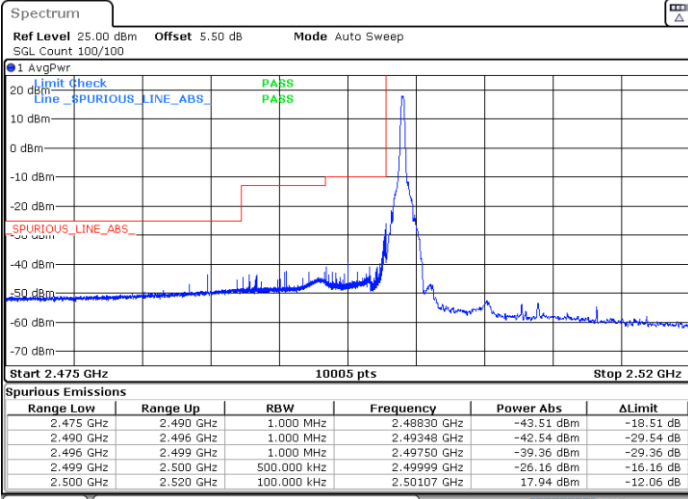
Date: 10.APR.2024 02:48:36



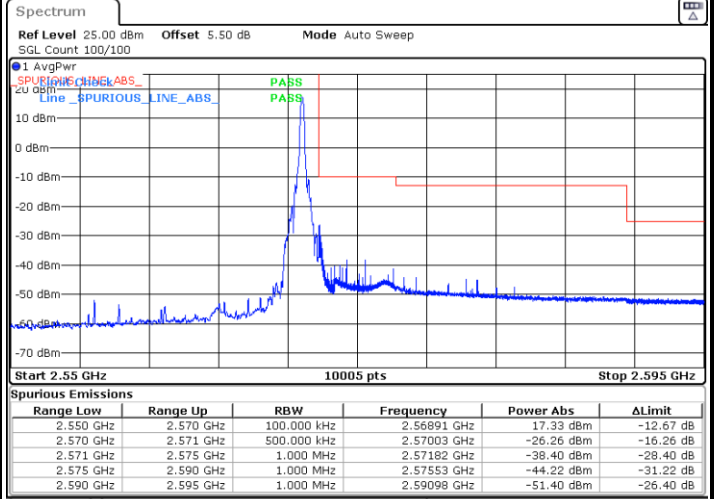
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



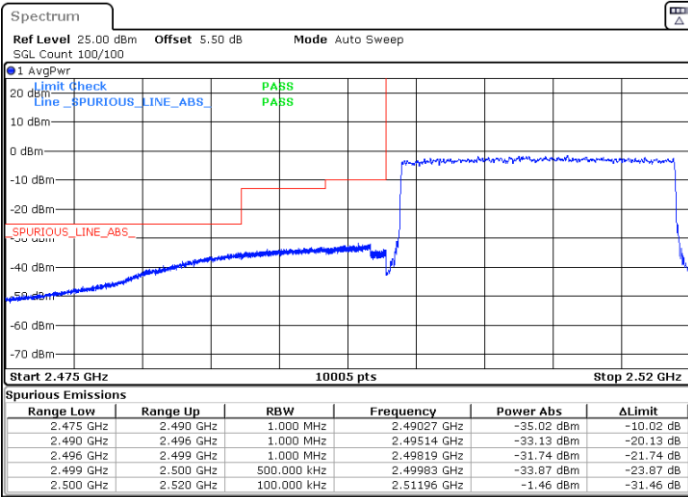
Date: 10.APR.2024 02:42:03



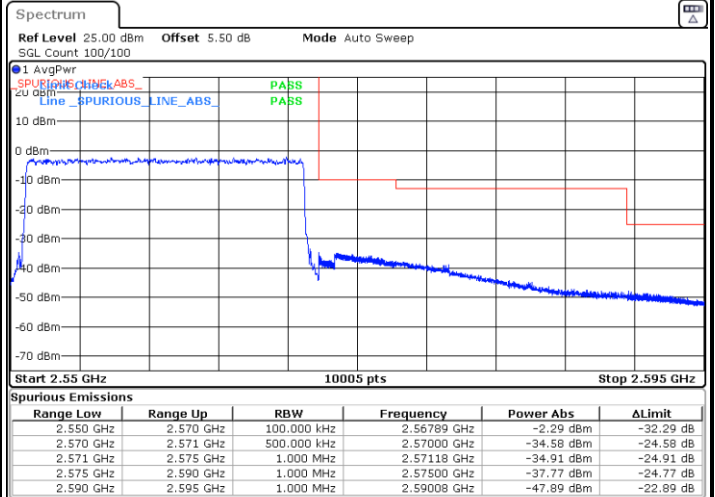
Date: 10.APR.2024 02:47:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 10.APR.2024 02:44:01



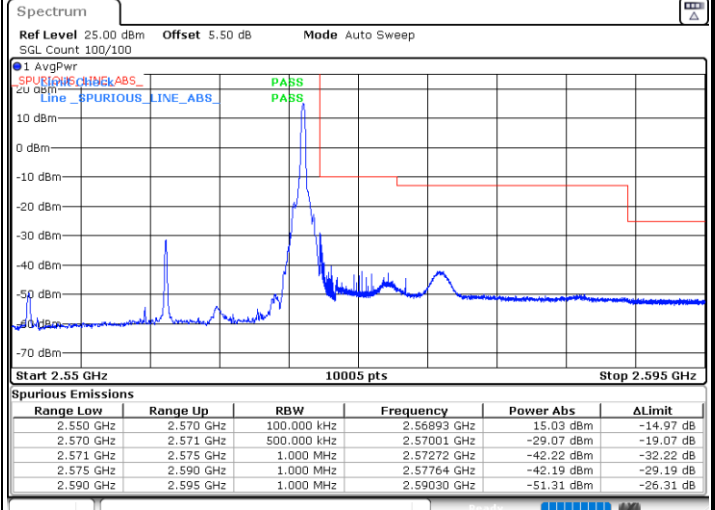
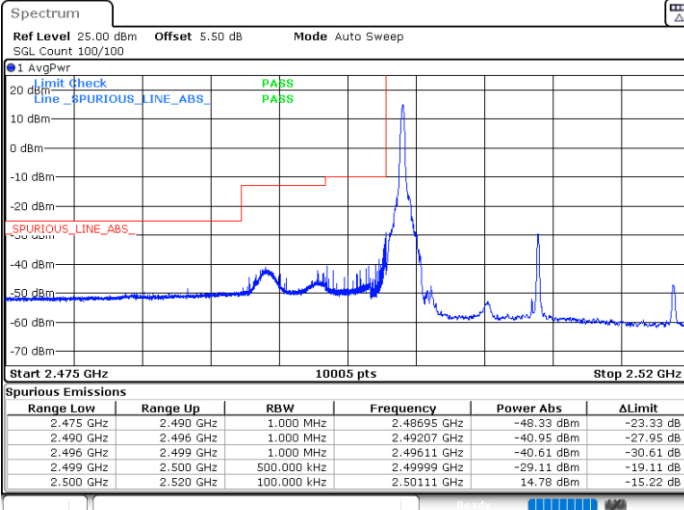
Date: 10.APR.2024 02:48:59



LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

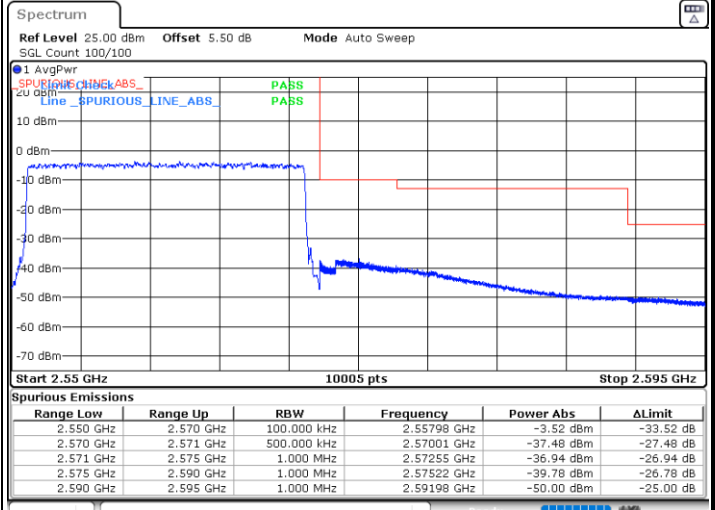
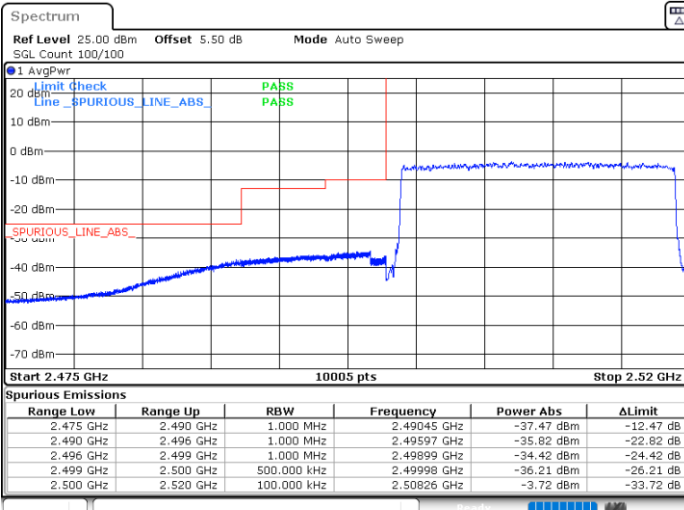


Date: 10.APR.2024 02:42:31

Date: 10.APR.2024 02:47:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

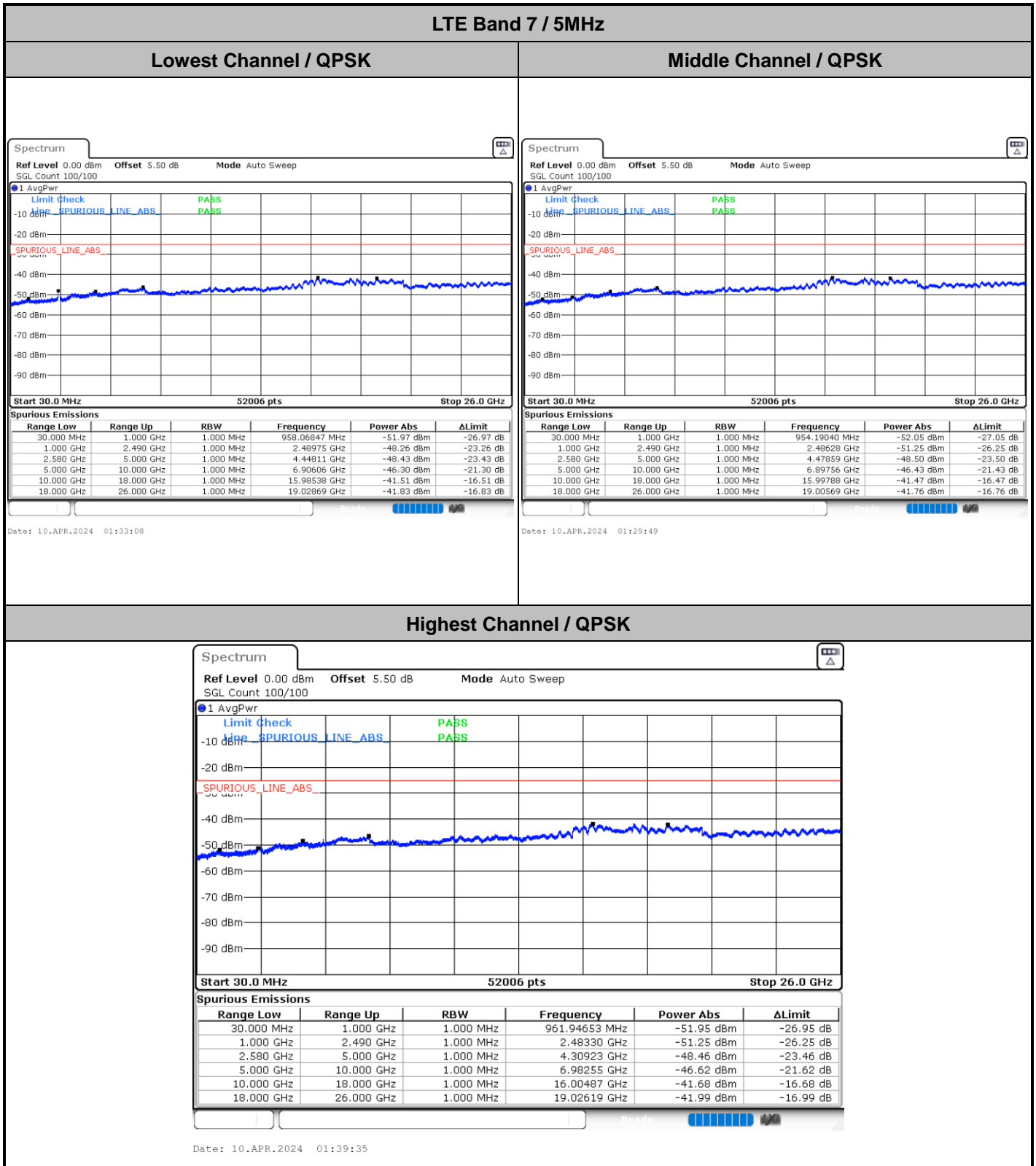


Date: 10.APR.2024 02:44:22

Date: 10.APR.2024 02:49:21



# Conducted Spurious Emission

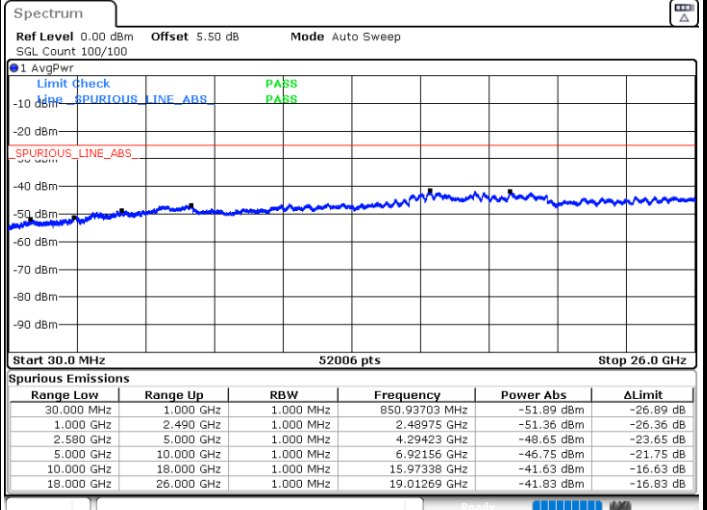
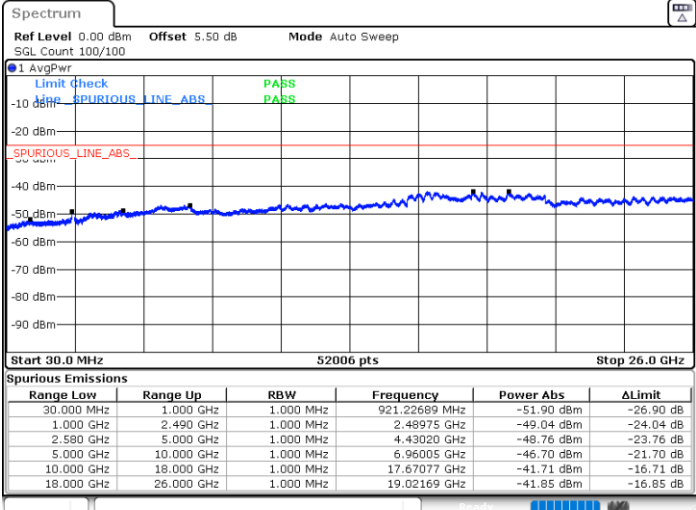




LTE Band 7 / 10MHz

Lowest Channel / QPSK

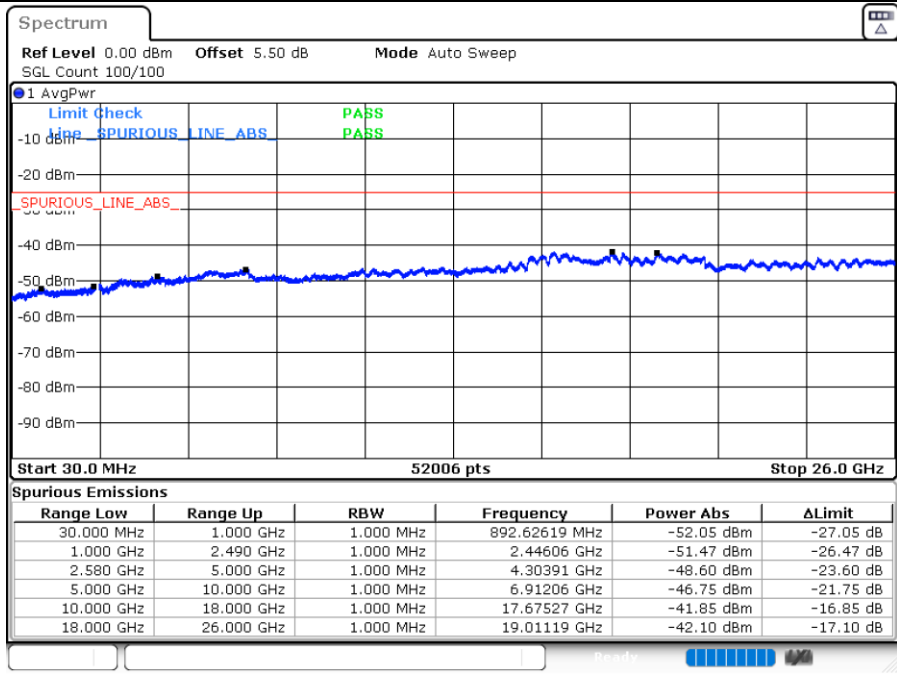
Middle Channel / QPSK



Date: 10.APR.2024 02:06:10

Date: 10.APR.2024 01:51:11

Highest Channel / QPSK



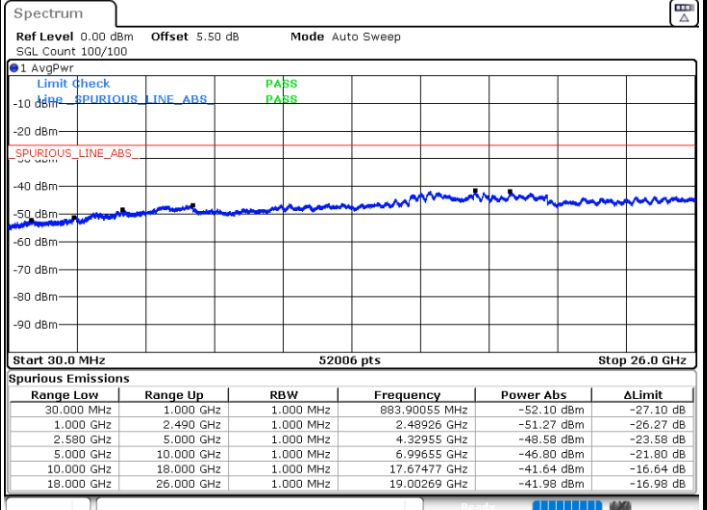
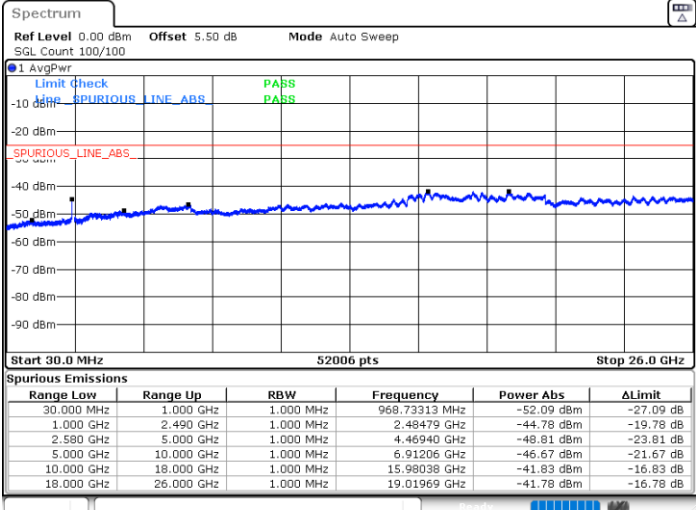
Date: 10.APR.2024 02:13:28



LTE Band 7 / 15MHz

Lowest Channel / QPSK

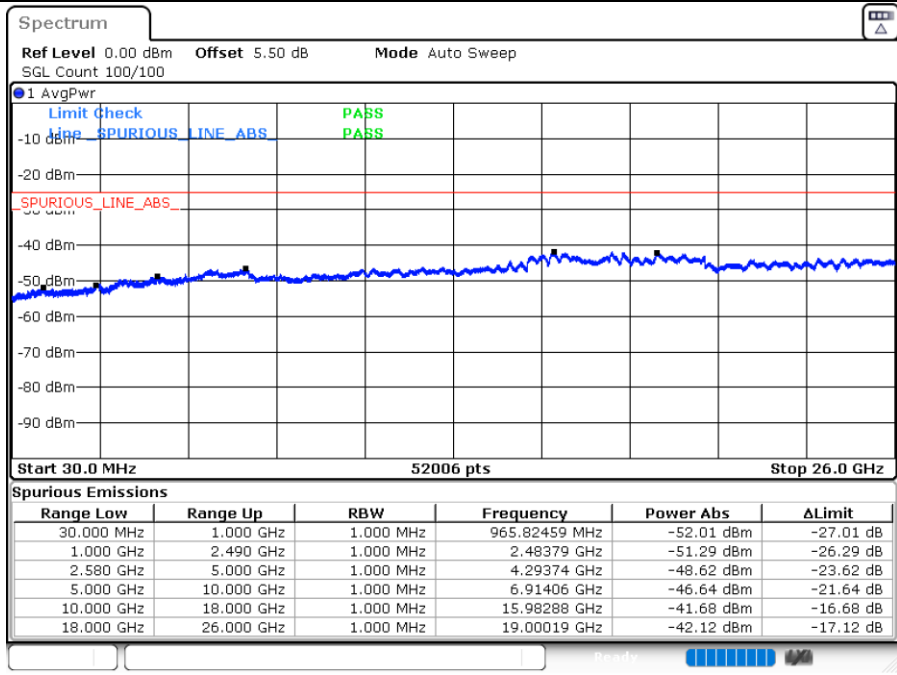
Middle Channel / QPSK



Date: 10.APR.2024 02:23:23

Date: 10.APR.2024 02:20:09

Highest Channel / QPSK



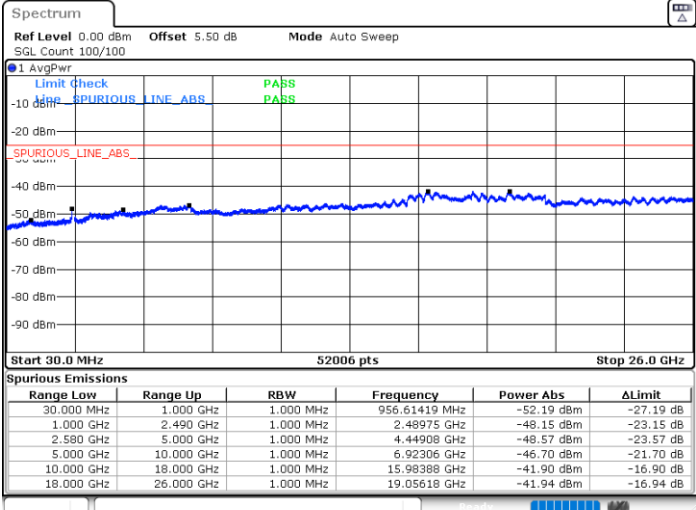
Date: 10.APR.2024 02:30:29



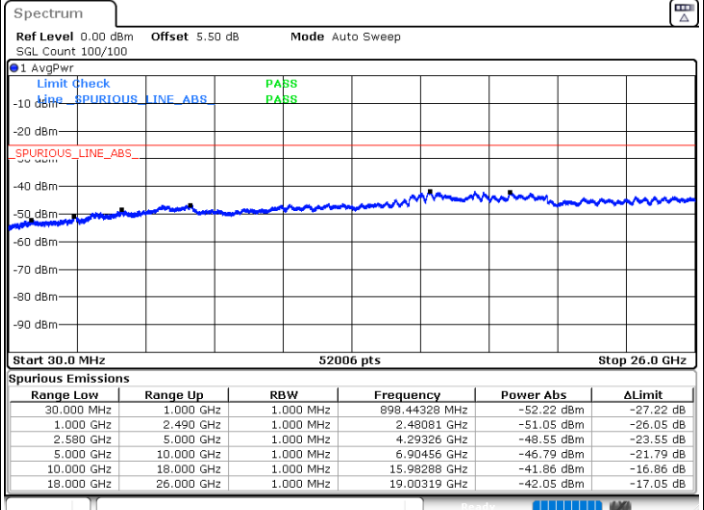
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

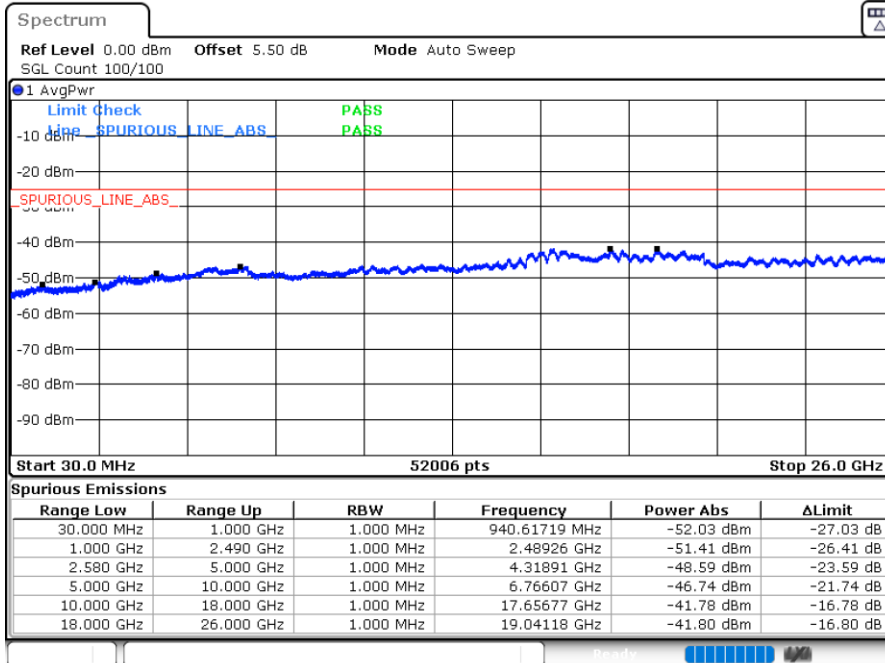


Date: 10.APR.2024 02:40:37



Date: 10.APR.2024 02:36:44

Highest Channel / QPSK



Date: 10.APR.2024 02:45:58





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	0.0005	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0039	
-10	Normal Voltage	0.0046	
-20	Normal Voltage	0.0055	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0031	
20	Normal Voltage	0.0029	
20	Minimum Voltage	0.0018	

Note:

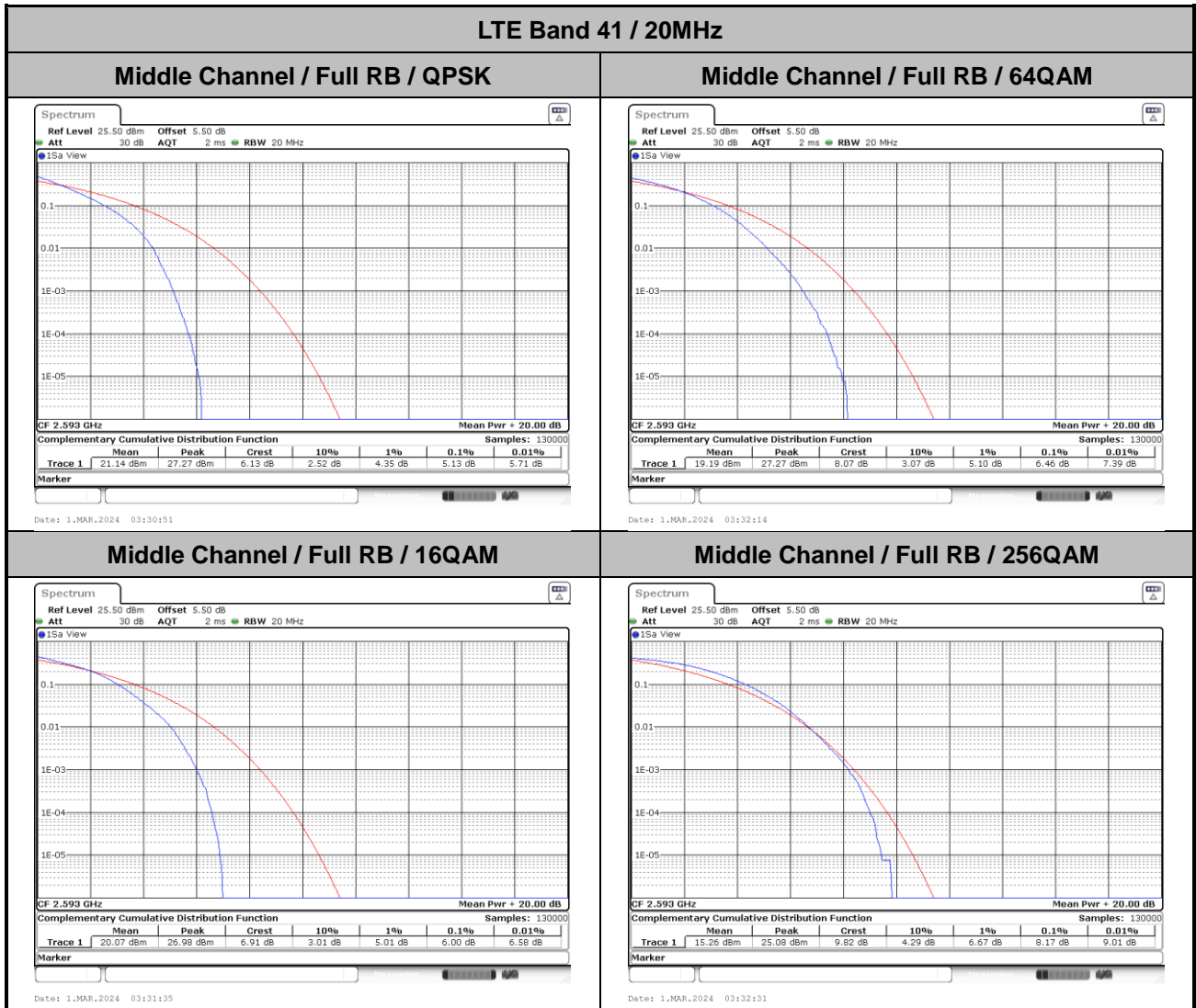
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 41 (Other PA)

## Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.13	6.00	6.46	8.17	PASS





## 26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)	
<b>BW</b>	<b>5MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	4.92	4.88
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.87	9.75
<b>BW</b>	<b>15MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	14.12	14.45
<b>BW</b>	<b>20MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	19.10	18.66

