

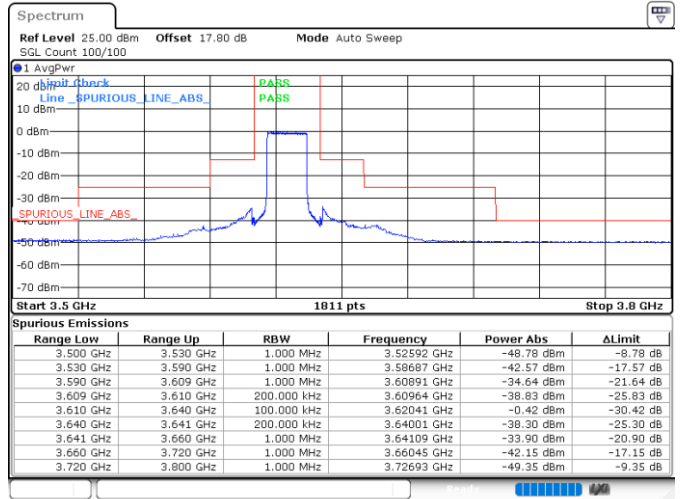
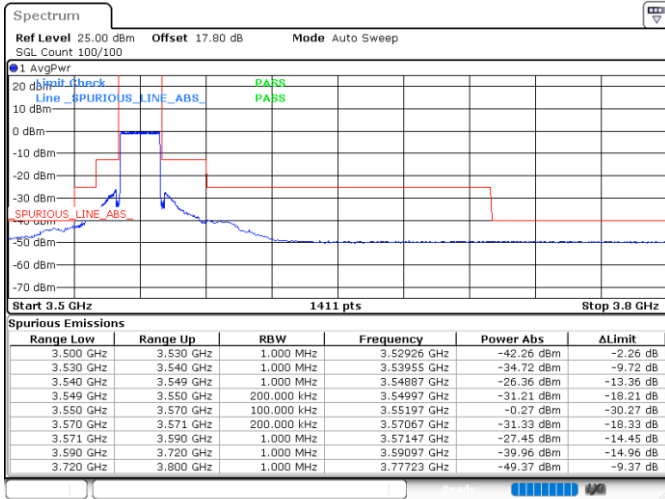


LTE Band 48 / 20MHz

QPSK

Lowest Channel / FullIRB

Middle Channel / FullIRB

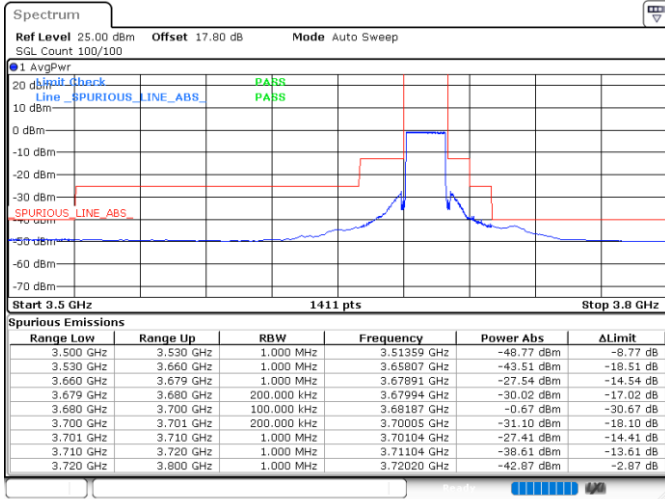


Date: 23.JUL.2024 18:48:31

Date: 23.JUL.2024 18:49:39

Highest Channel / FullIRB

N/A



Date: 23.JUL.2024 20:08:06

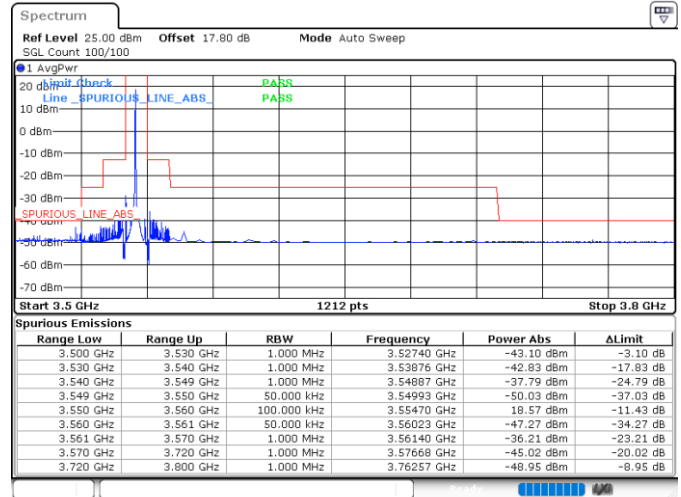
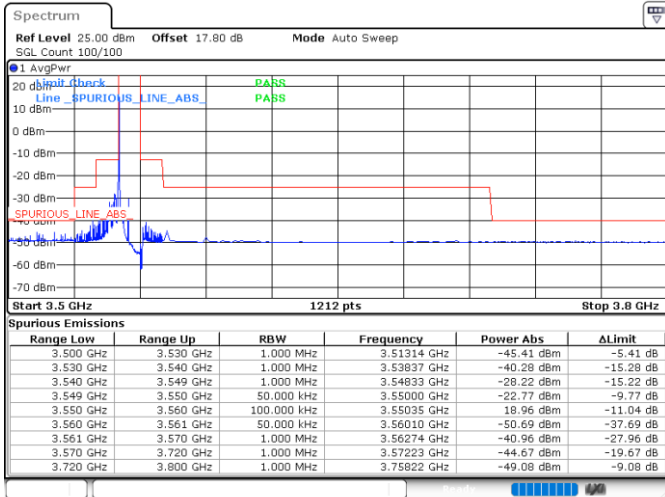


LTE Band 48 / 5MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

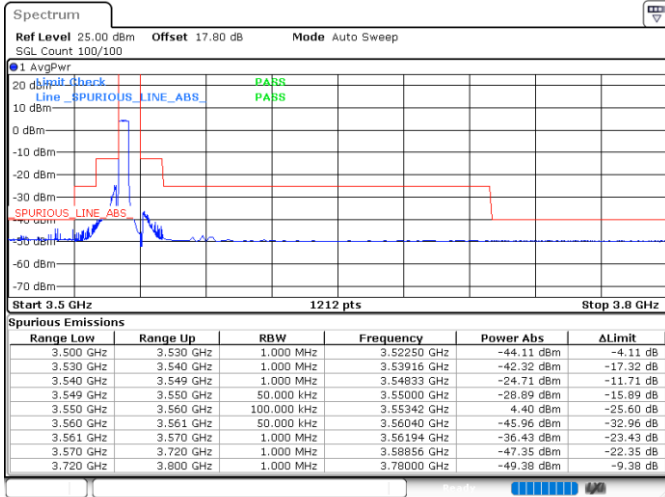


Date: 23.JUL.2024 17:55:06

Date: 23.JUL.2024 18:15:45

Lowest Channel / FullIRB

N/A



Date: 23.JUL.2024 18:05:22

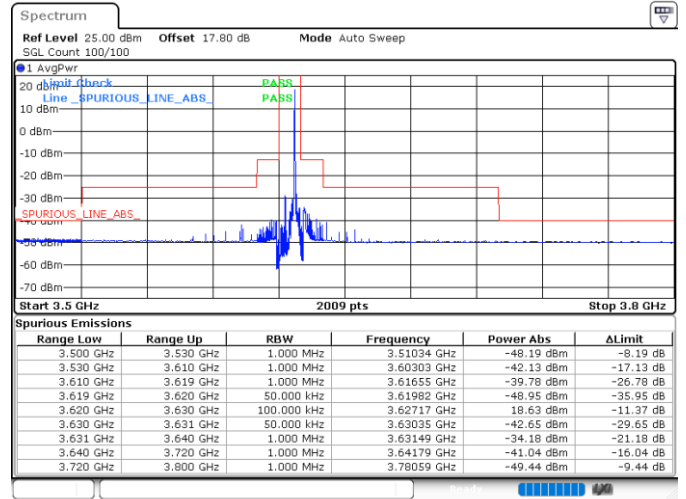
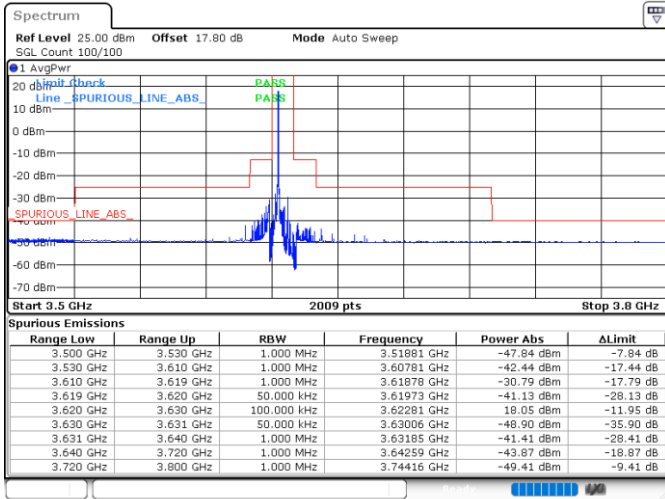


LTE Band 48 / 5MHz

16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

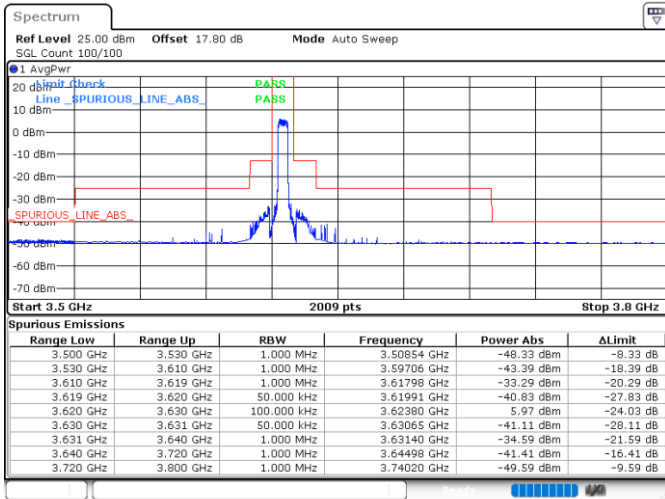


Date: 23.JUL.2024 17:58:33

Date: 23.JUL.2024 18:19:13

Middle Channel / FullIRB

N/A



Date: 23.JUL.2024 18:08:47

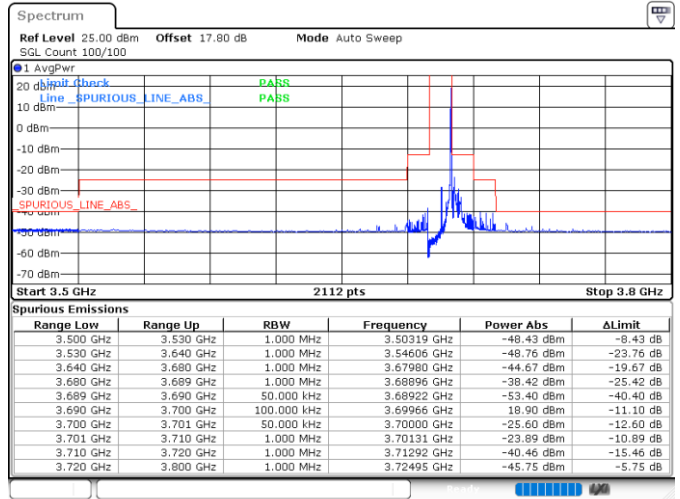
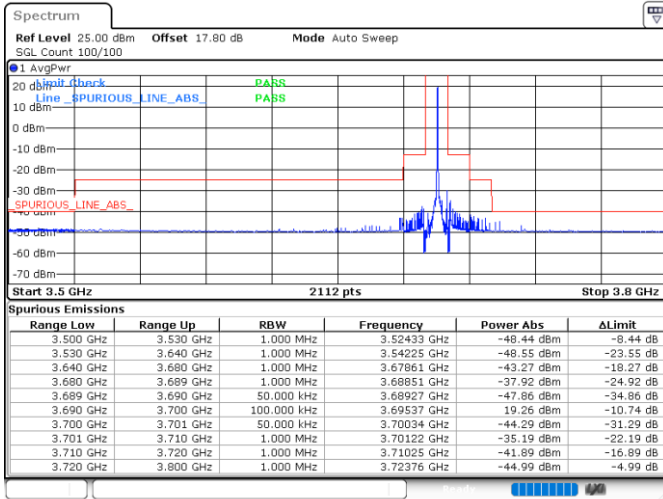


LTE Band 48 / 5MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

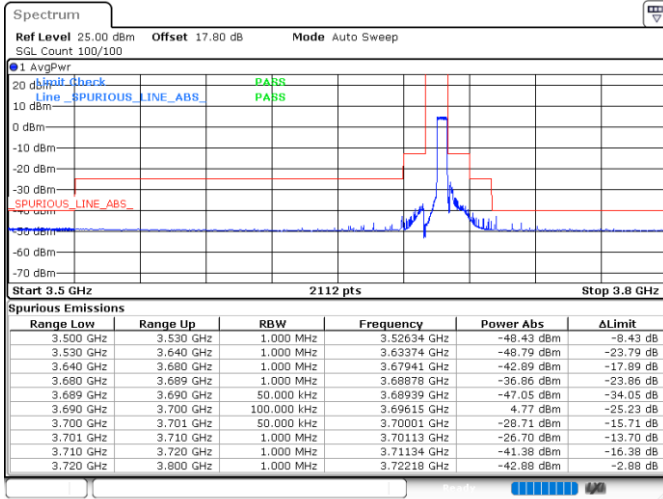


Date: 23.JUL.2024 18:02:02

Date: 23.JUL.2024 18:22:40

Highest Channel / FullIRB

N/A



Date: 23.JUL.2024 18:12:16

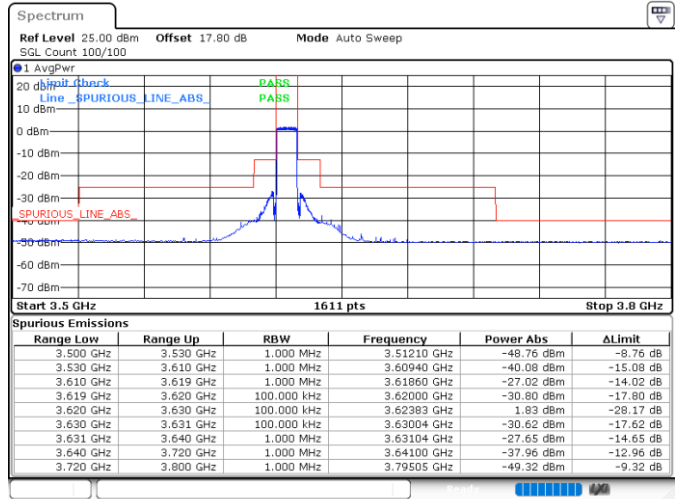
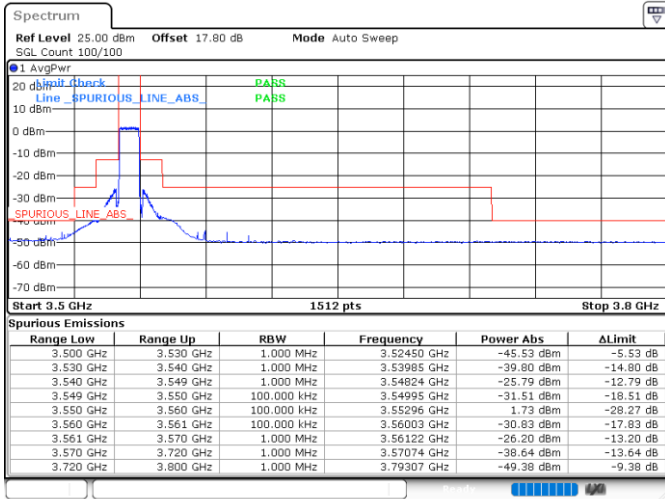


LTE Band 48 / 10MHz

16QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB

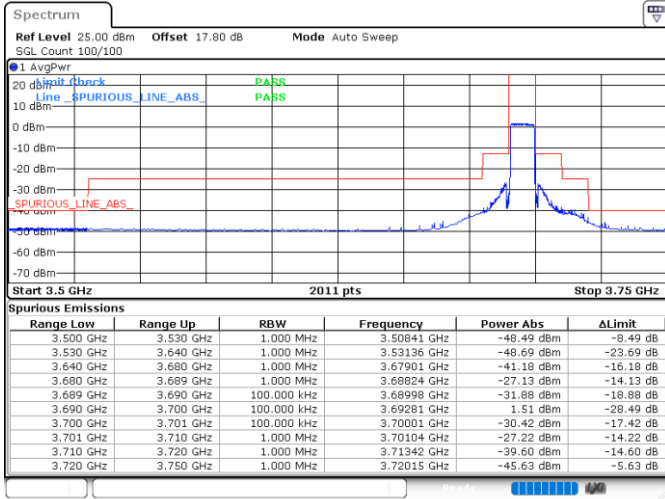


Date: 23.JUL.2024 19:42:53

Date: 23.JUL.2024 18:29:54

Highest Channel / FullIRB

N/A



Date: 23.JUL.2024 18:33:19

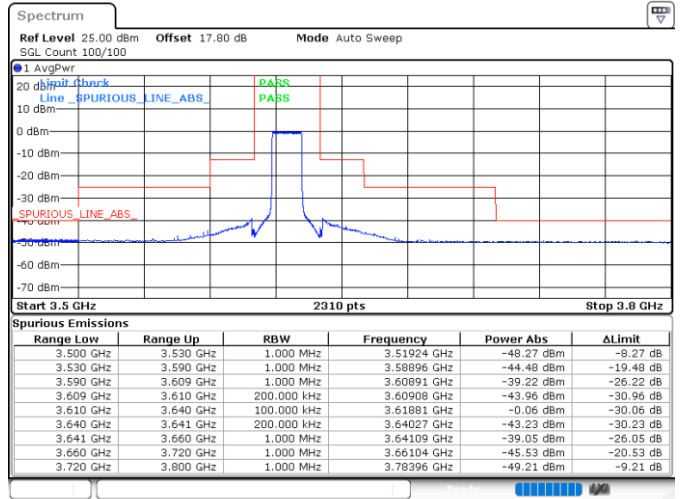
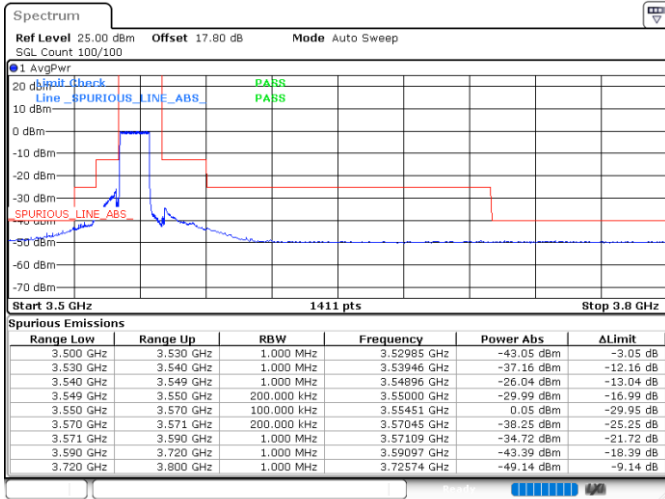


LTE Band 48 / 15MHz

16QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB

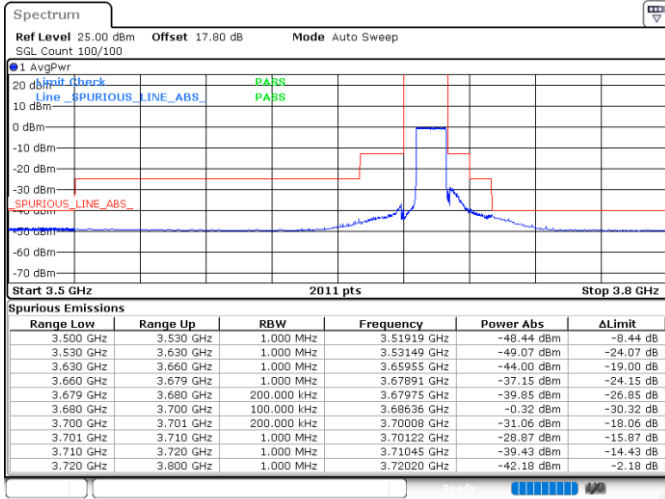


Date: 23.JUL.2024 18:36:53

Date: 23.JUL.2024 18:40:28

Highest Channel / FullIRB

N/A



Date: 23.JUL.2024 18:43:55

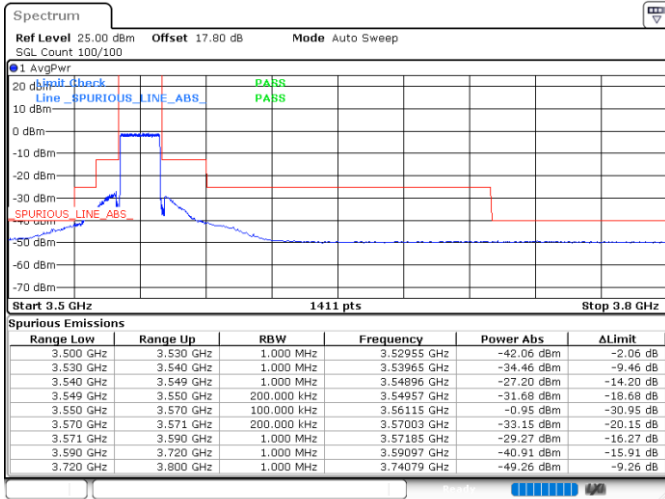


LTE Band 48 / 20MHz

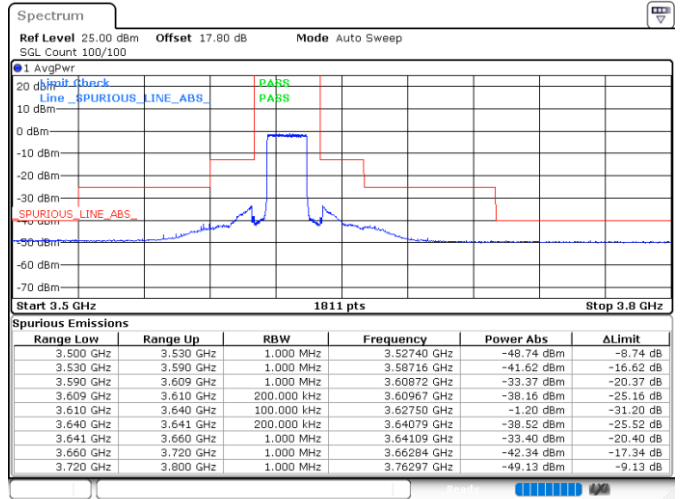
16QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



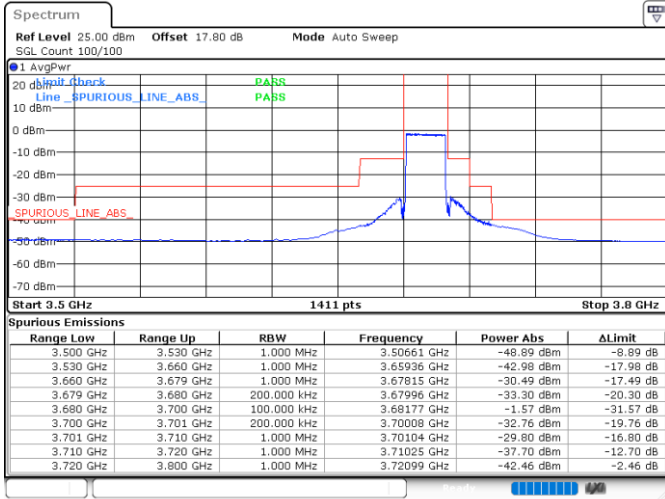
Date: 23.JUL.2024 18:47:24



Date: 23.JUL.2024 18:50:47

Highest Channel / FullIRB

N/A



Date: 23.JUL.2024 19:55:39

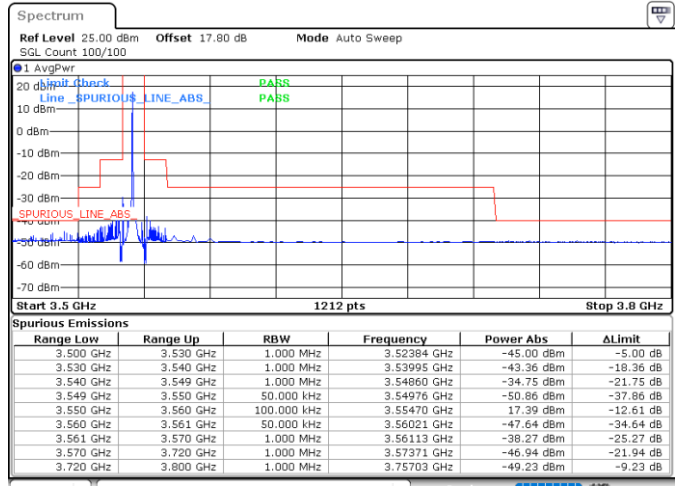
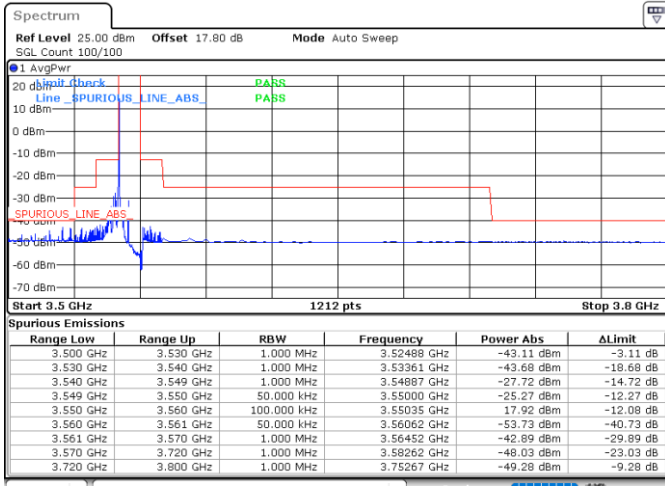


LTE Band 48 / 5MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

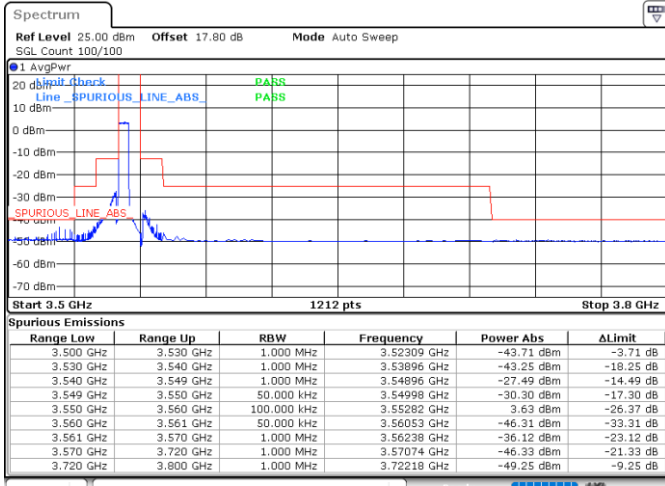


Date: 23.JUL.2024 17:56:17

Date: 23.JUL.2024 18:16:56

Lowest Channel / FullIRB

N/A



Date: 23.JUL.2024 18:06:30

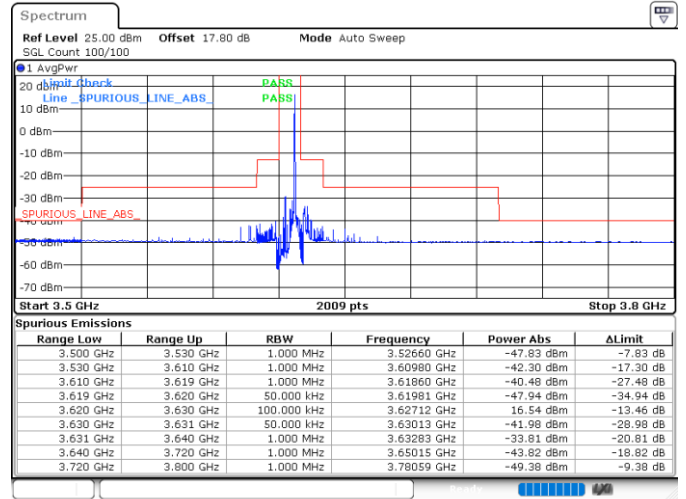
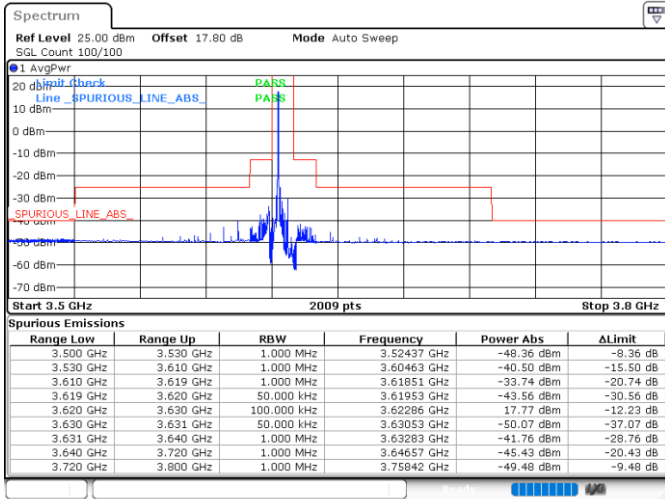


LTE Band 48 / 5MHz

64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

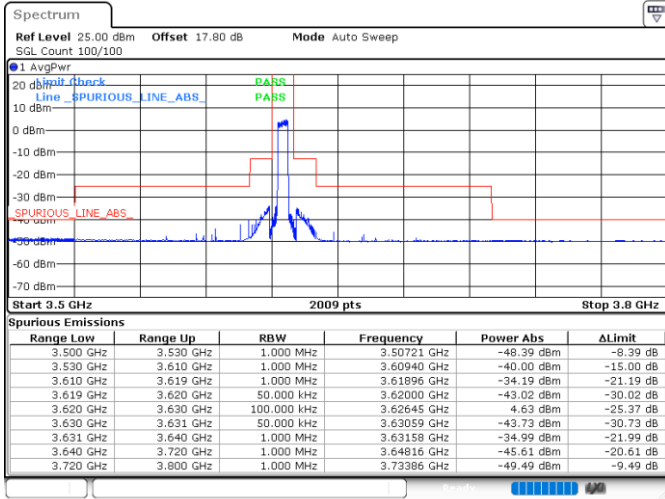


Date: 23.JUL.2024 17:57:24

Date: 23.JUL.2024 18:10:03

Middle Channel / FullIRB

N/A



Date: 23.JUL.2024 18:07:40

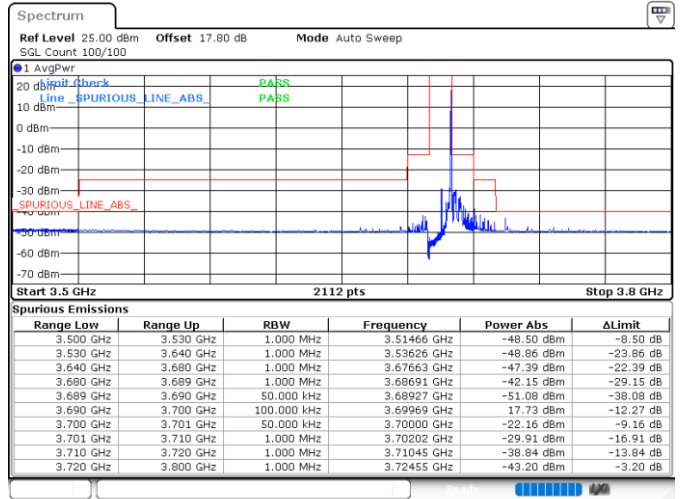
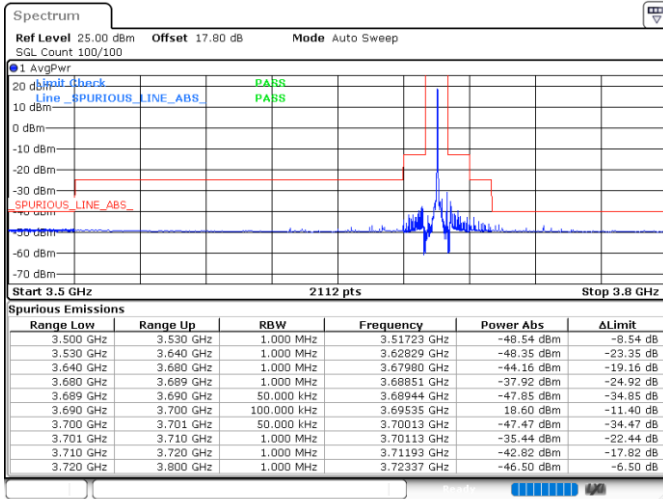


LTE Band 48 / 5MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

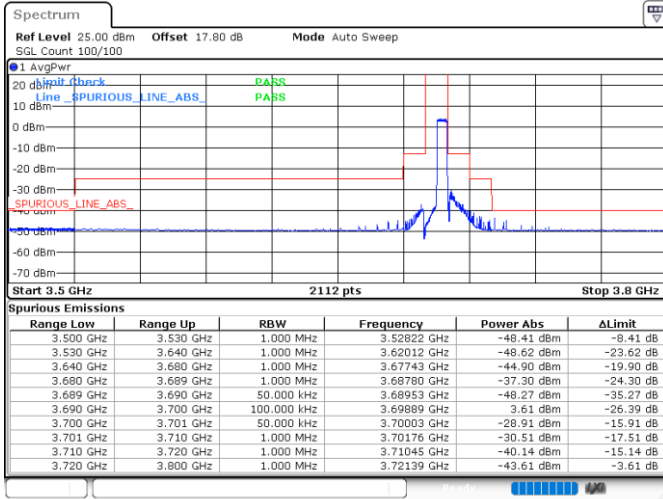


Date: 23.JUL.2024 18:03:11

Date: 23.JUL.2024 18:23:49

Highest Channel / FullRB

N/A



Date: 23.JUL.2024 18:13:26

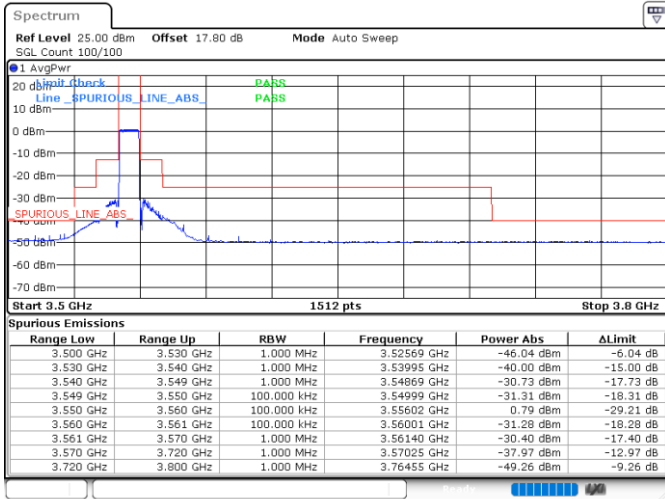


LTE Band 48 / 10MHz

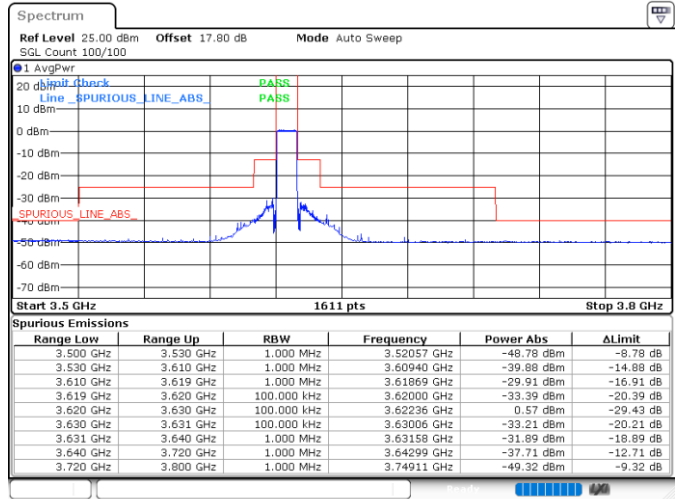
64QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



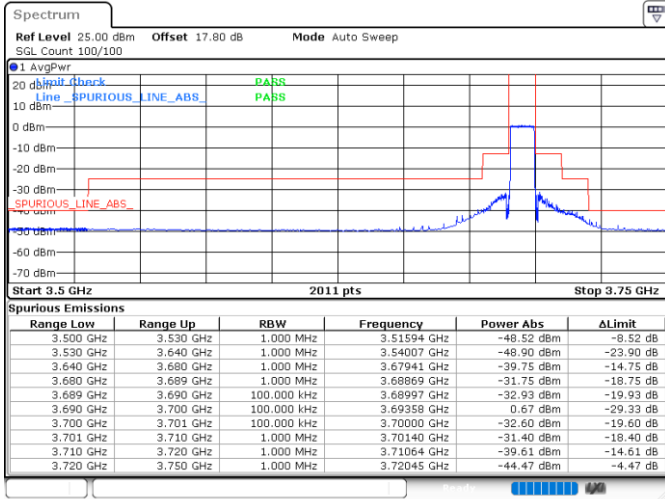
Date: 23.JUL.2024 19:45:17



Date: 23.JUL.2024 18:31:02

Highest Channel / FullIRB

N/A



Date: 23.JUL.2024 18:32:10

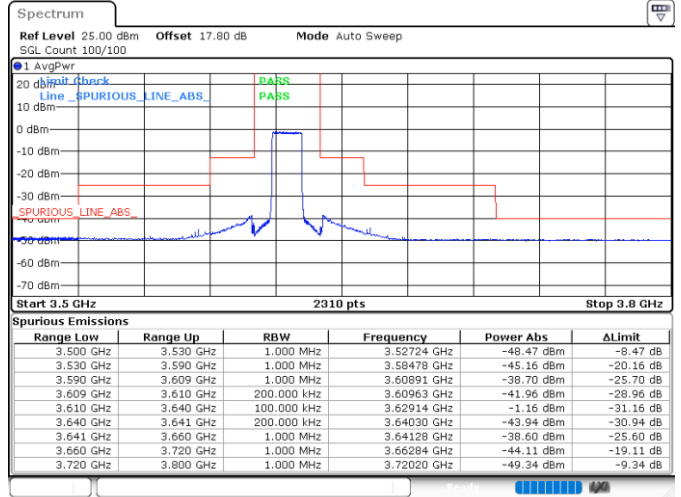
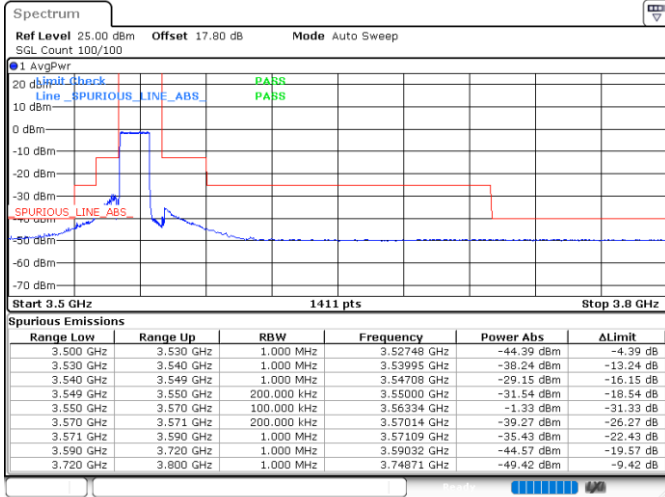


LTE Band 48 / 15MHz

64QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB

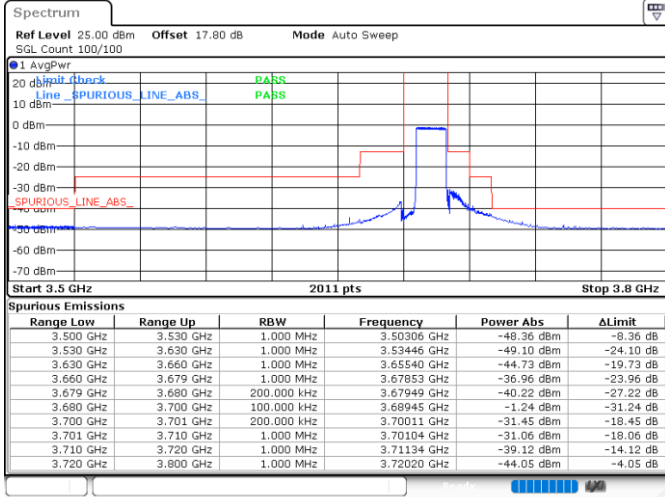


Date: 23.JUL.2024 18:38:02

Date: 23.JUL.2024 18:39:16

Highest Channel / FullIRB

N/A



Date: 23.JUL.2024 18:45:00

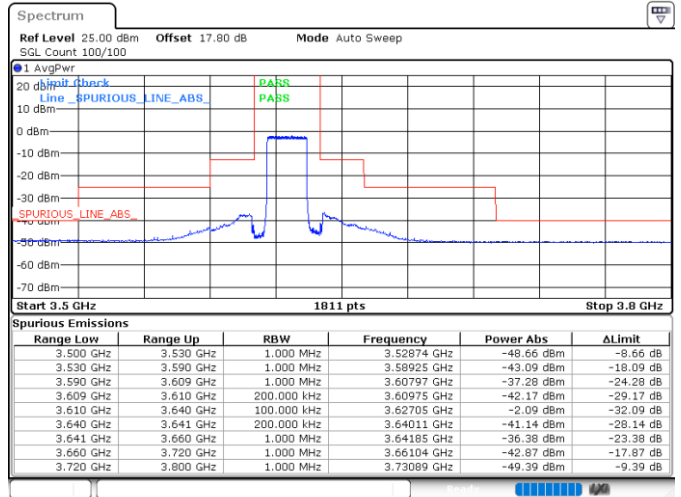
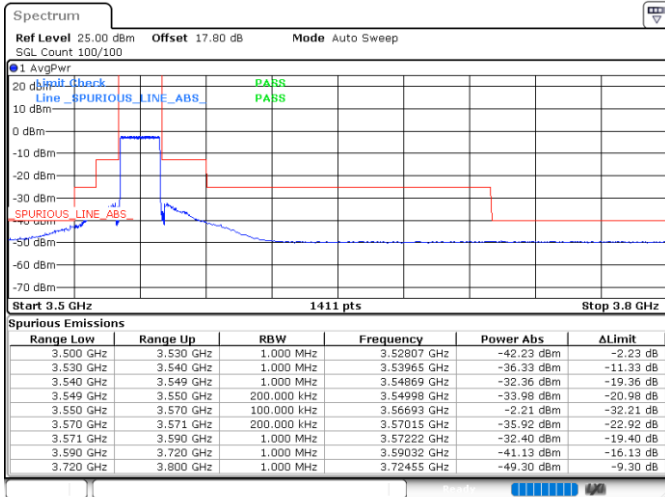


LTE Band 48 / 20MHz

64QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB

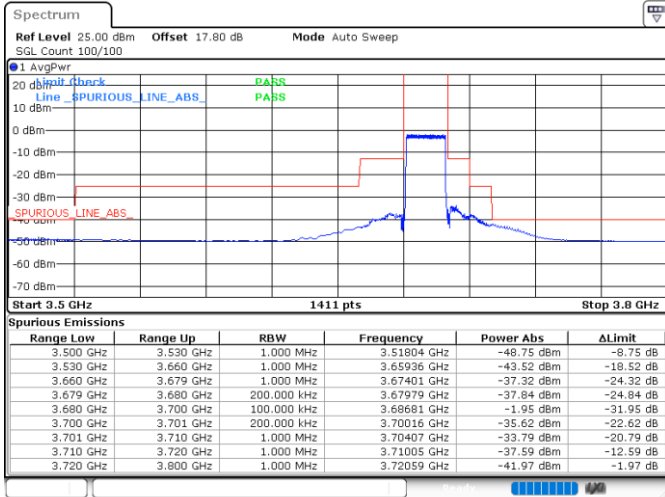


Date: 23.JUL.2024 18:46:14

Date: 23.JUL.2024 18:51:54

Highest Channel / FullIRB

N/A



Date: 23.JUL.2024 19:59:09

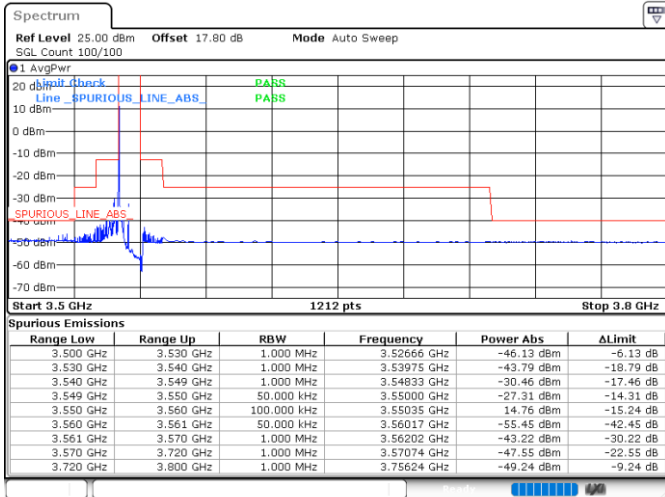


LTE Band 48 / 5MHz

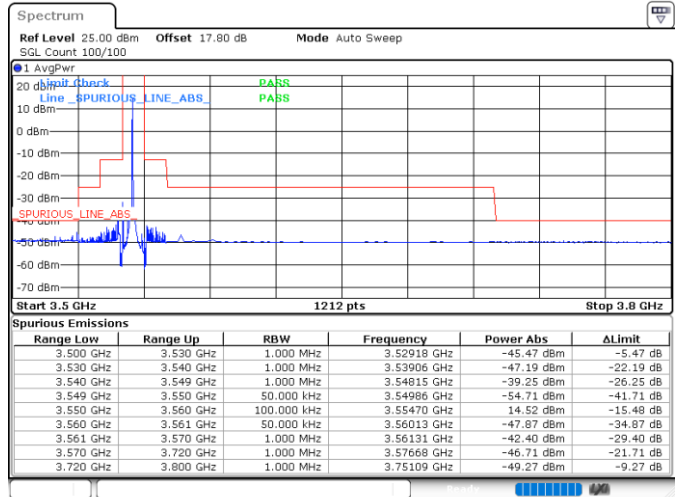
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



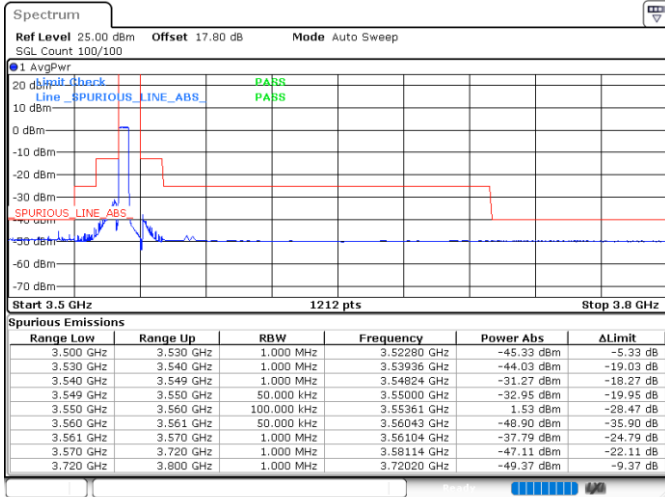
Date: 23.JUL.2024 19:13:59



Date: 23.JUL.2024 19:21:09

Lowest Channel / FullIRB

N/A



Date: 23.JUL.2024 19:17:33

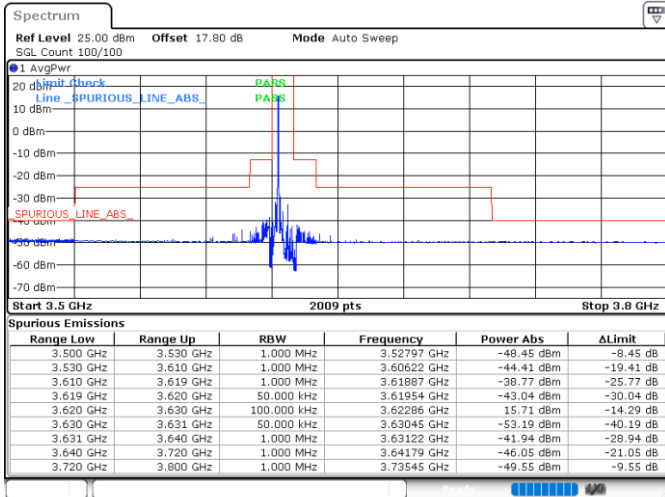


LTE Band 48 / 5MHz

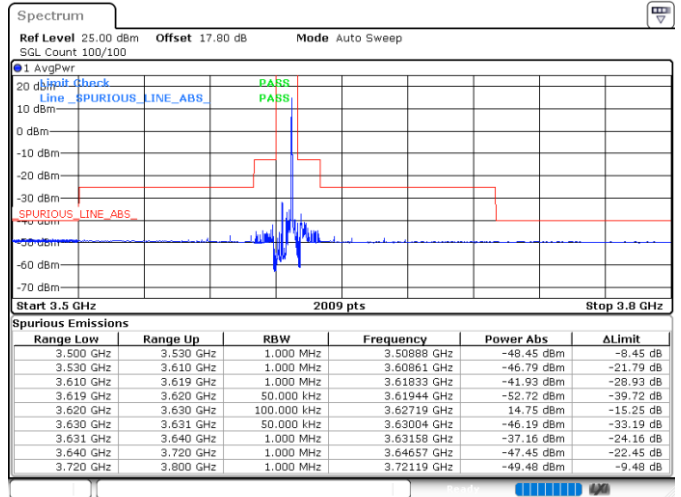
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



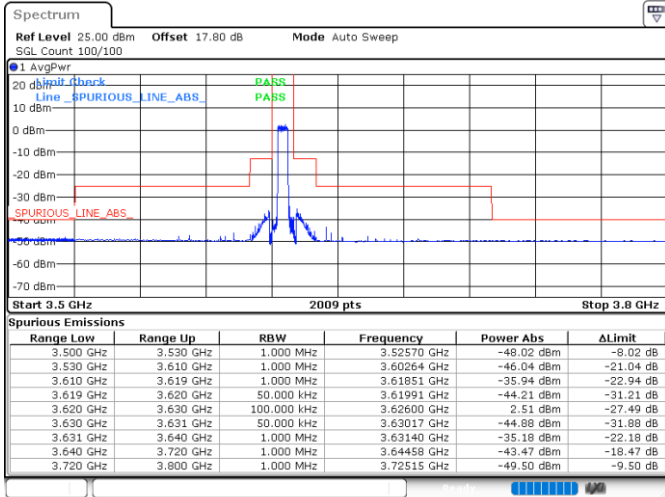
Date: 23.JUL.2024 19:15:08



Date: 23.JUL.2024 19:22:19

Middle Channel / FullIRB

N/A



Date: 23.JUL.2024 19:18:45

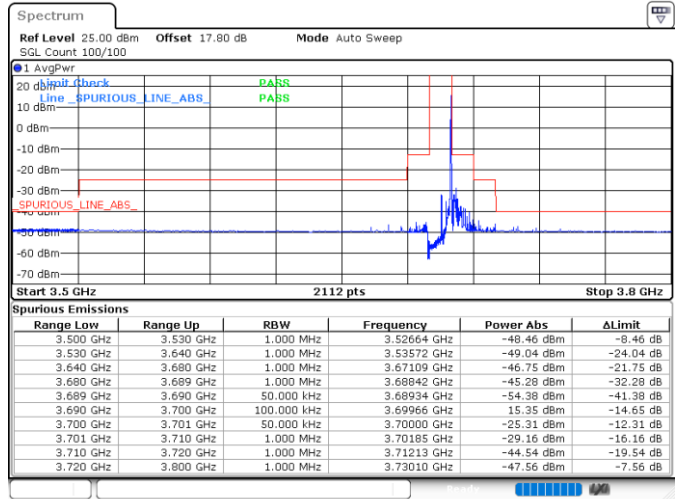
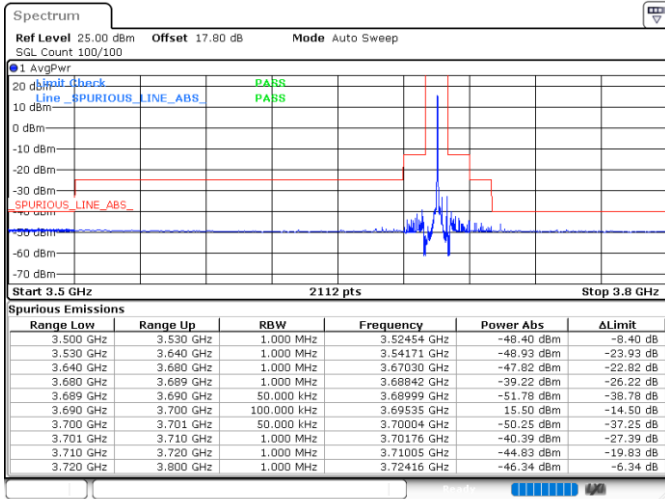


LTE Band 48 / 5MHz

256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

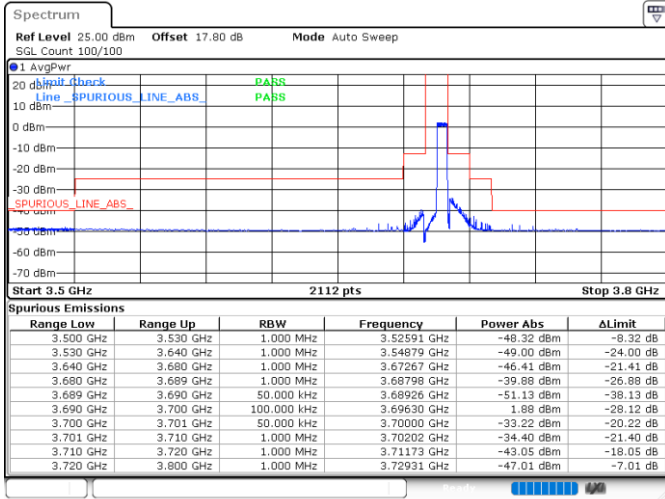


Date: 23.JUL.2024 19:16:23

Date: 23.JUL.2024 19:23:28

Highest Channel / FullIRB

N/A



Date: 23.JUL.2024 19:19:55

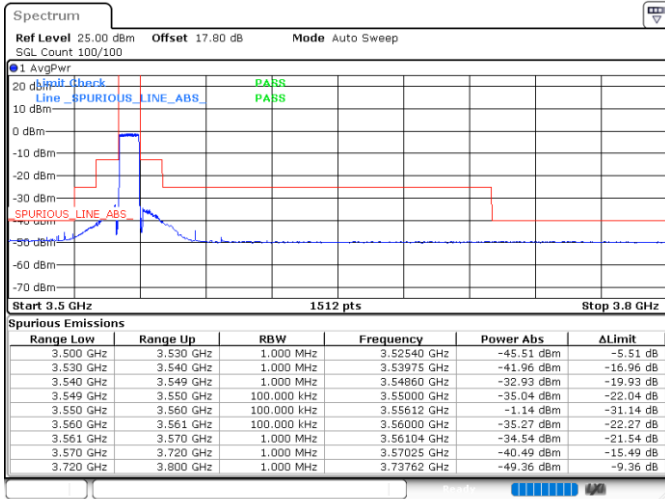


LTE Band 48 / 10MHz

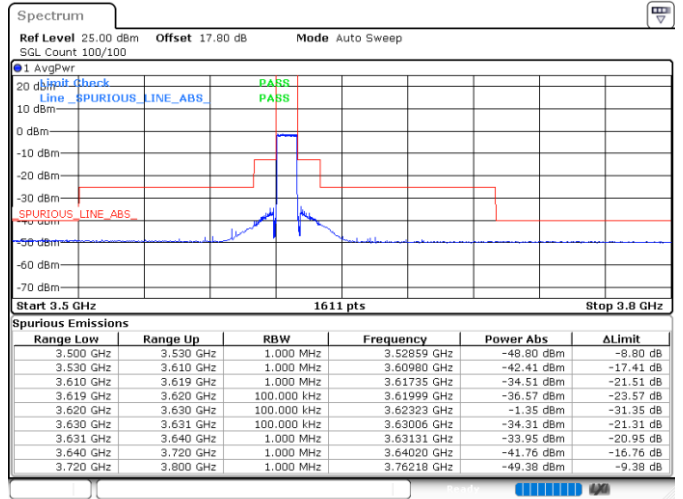
256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



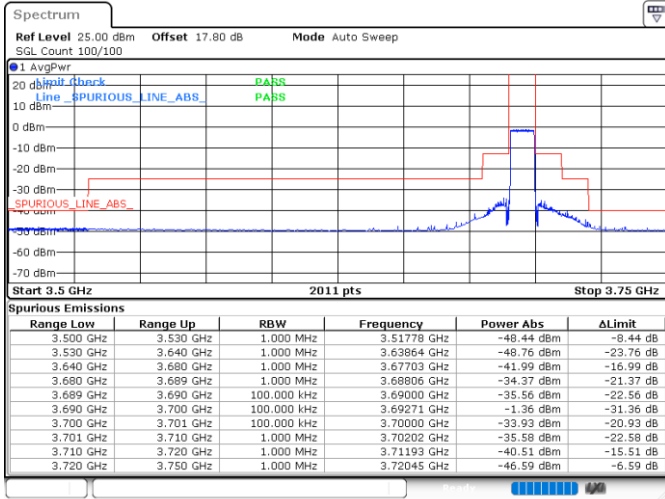
Date: 23.JUL.2024 19:49:18



Date: 23.JUL.2024 19:25:56

Highest Channel / FullIRB

N/A



Date: 23.JUL.2024 19:27:04

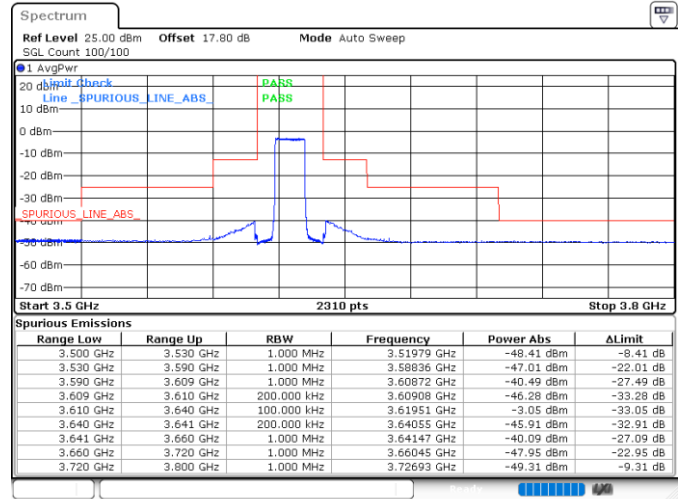
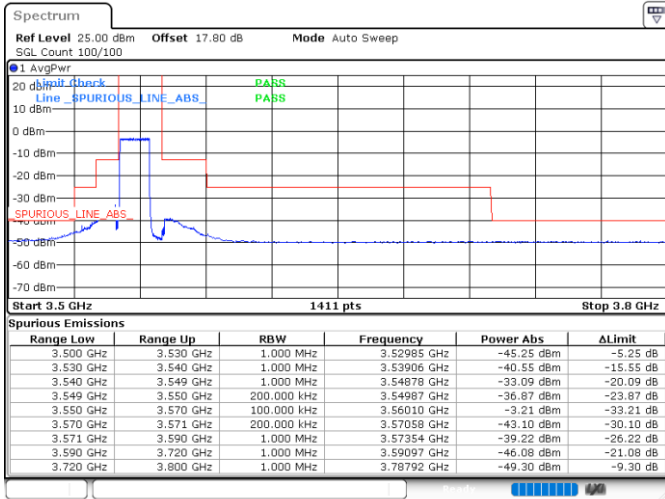


LTE Band 48 / 15MHz

256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB

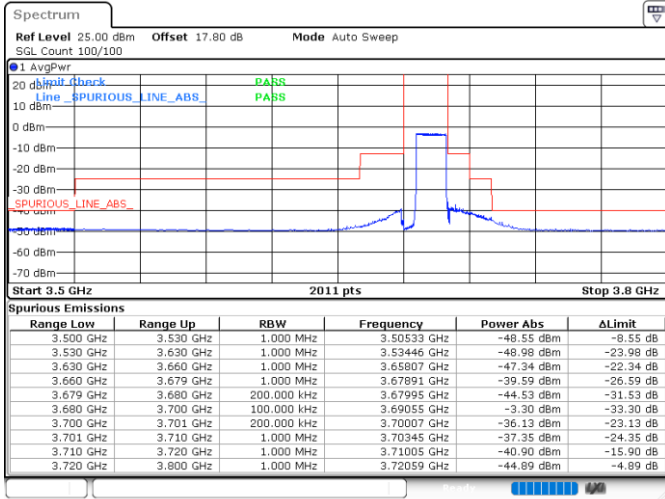


Date: 23.JUL.2024 19:28:16

Date: 23.JUL.2024 19:29:23

Highest Channel / FullIRB

N/A



Date: 23.JUL.2024 19:30:32

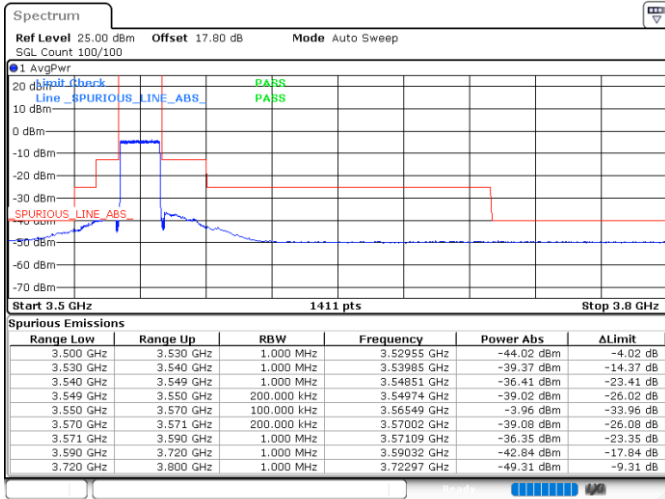


LTE Band 48 / 20MHz

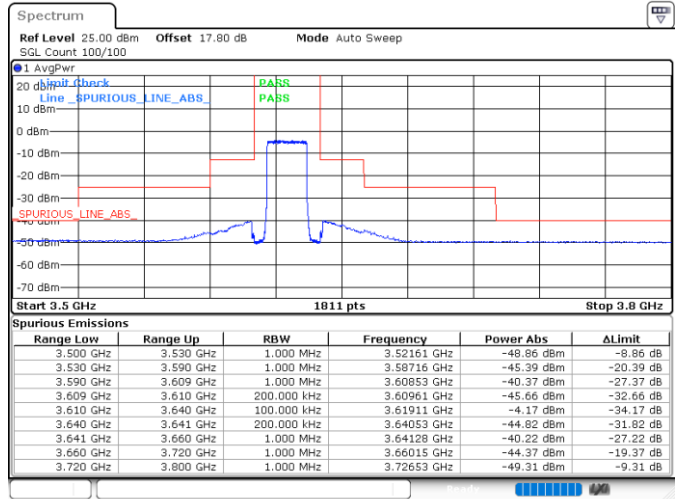
256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



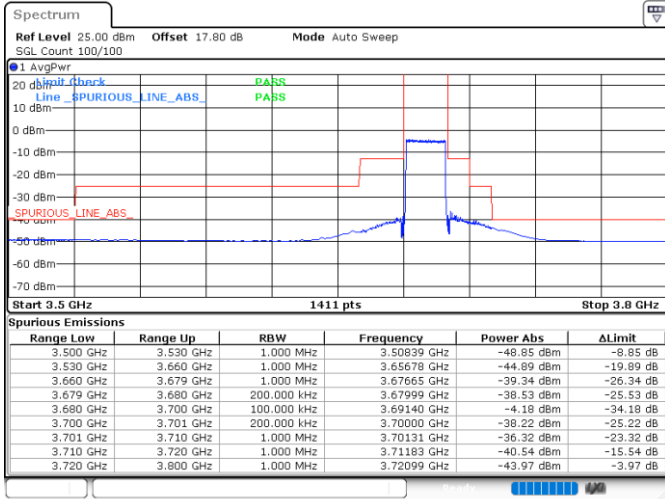
Date: 23.JUL.2024 19:31:44



Date: 23.JUL.2024 19:32:54

Highest Channel / FullIRB

N/A



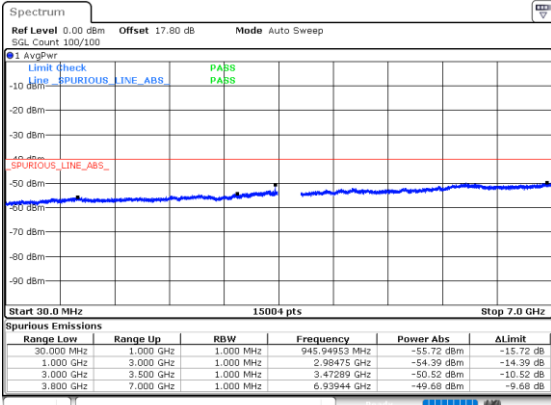
Date: 23.JUL.2024 20:02:35



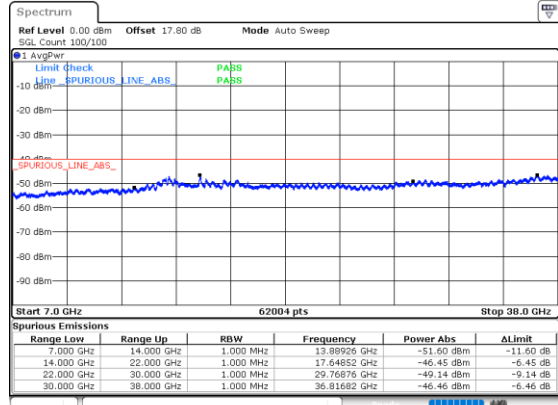
Conducted Spurious Emission

LTE Band 48 / 5MHz

Lowest Channel / QPSK

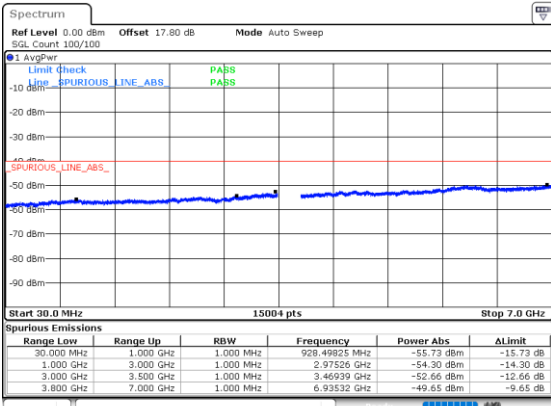


Date: 23-JUL-2024 18:56:01

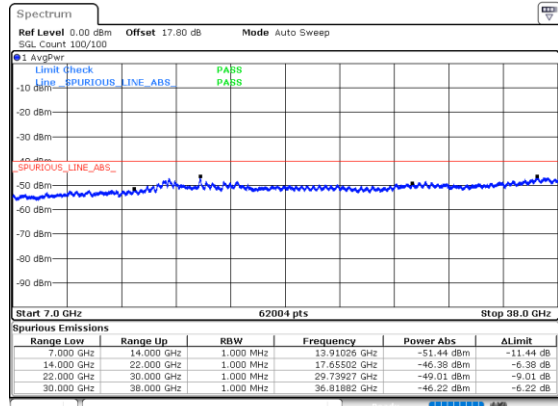


Date: 23-JUL-2024 20:11:31

Middle Channel / QPSK

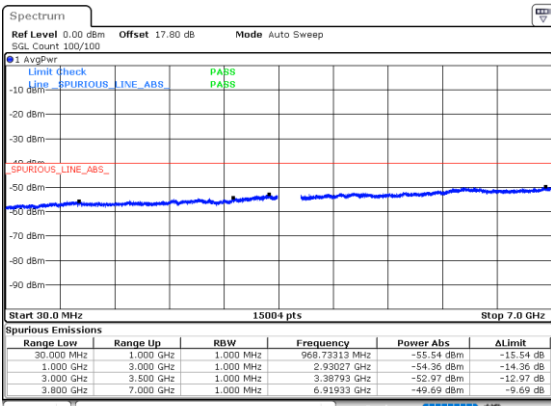


Date: 23-JUL-2024 18:58:17

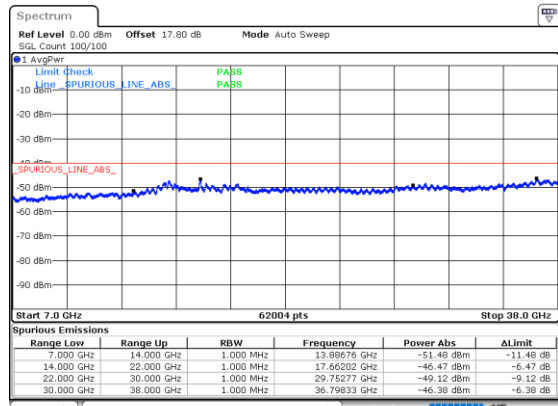


Date: 23-JUL-2024 20:13:09

Highest Channel / QPSK



Date: 23-JUL-2024 18:59:42

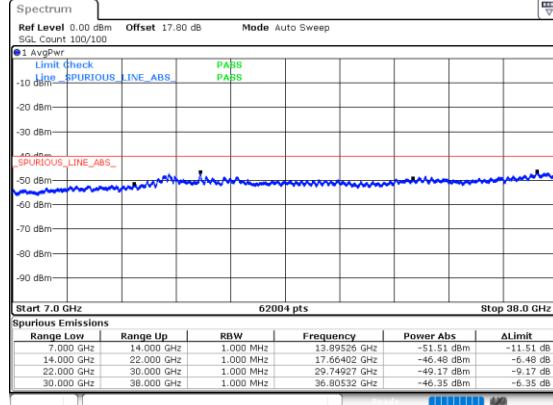
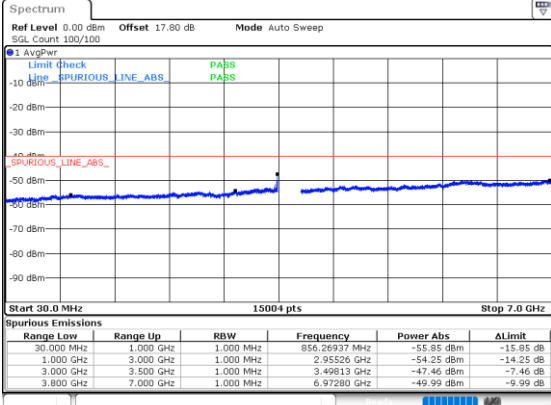


Date: 23-JUL-2024 20:14:46

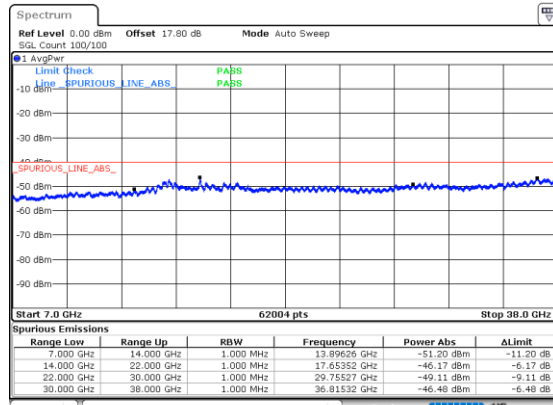
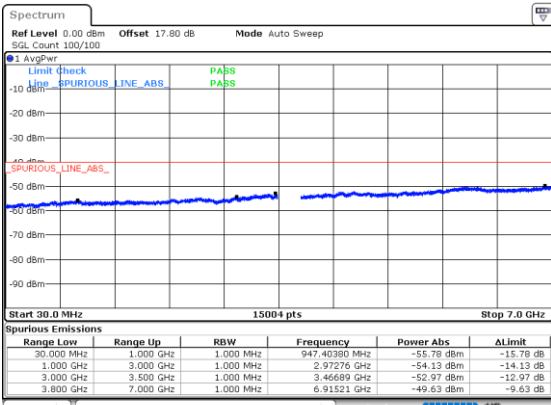


LTE Band 48 / 10MHz

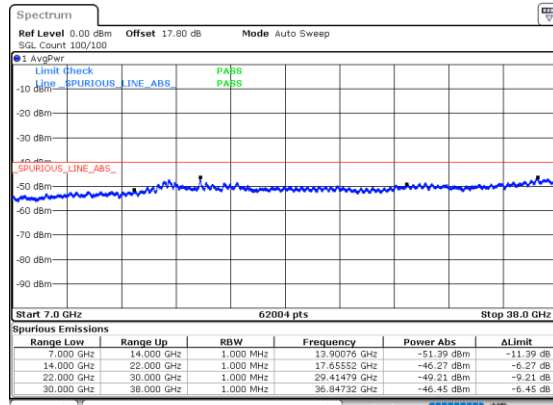
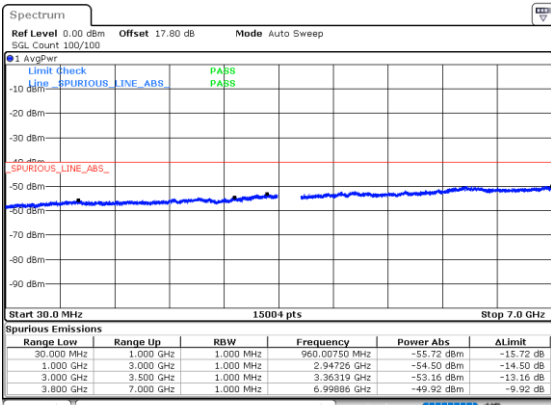
Lowest Channel / QPSK



Middle Channel / QPSK



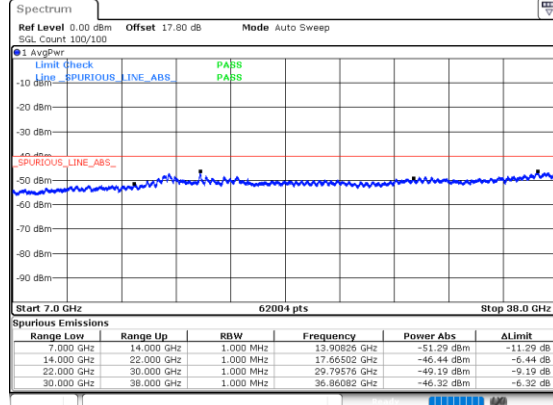
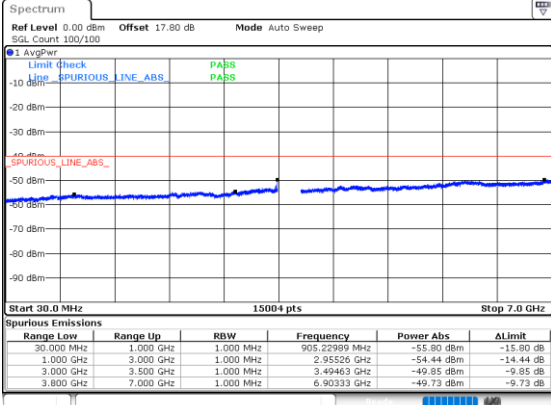
Highest Channel / QPSK



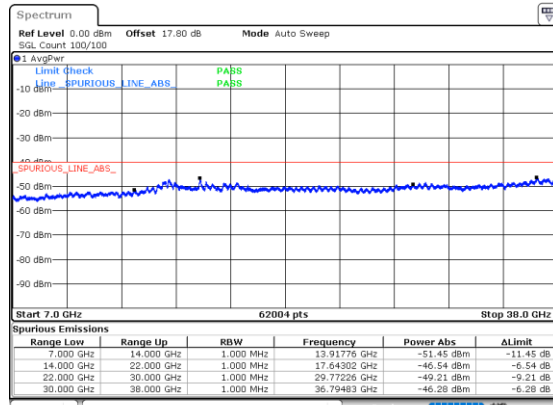
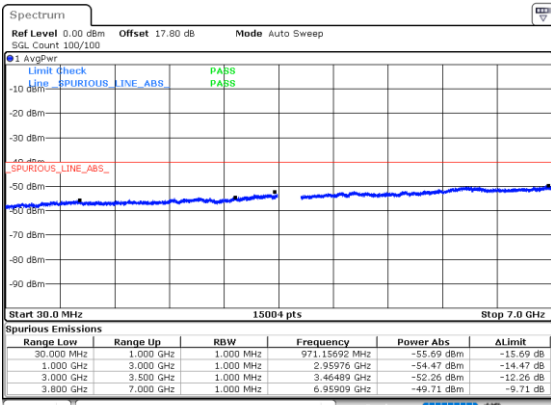


LTE Band 48 / 15MHz

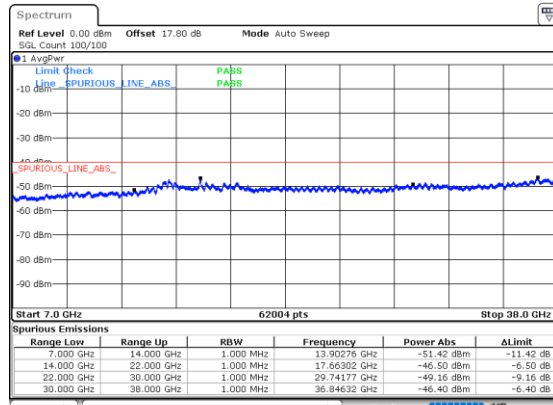
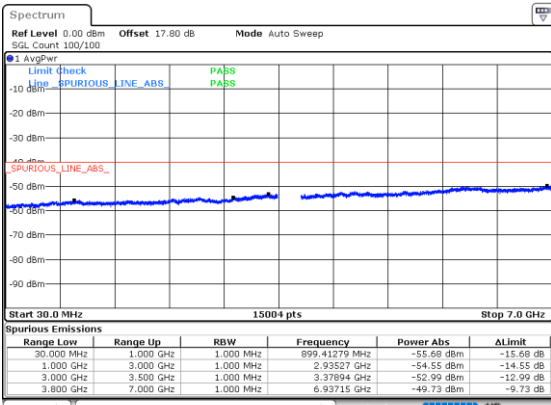
Lowest Channel / QPSK



Middle Channel / QPSK



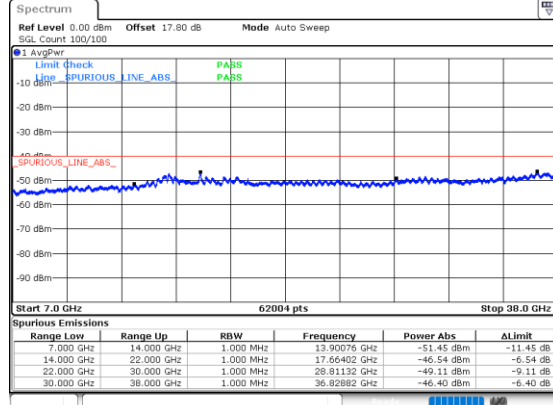
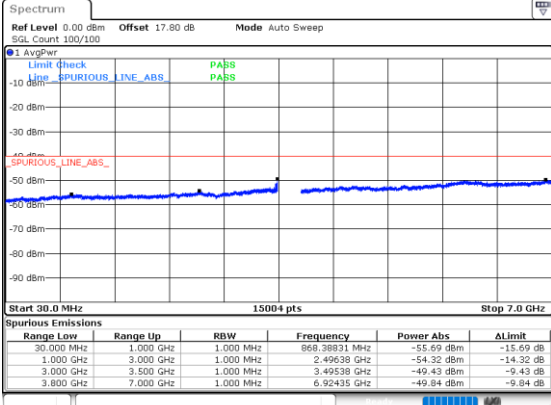
Highest Channel / QPSK



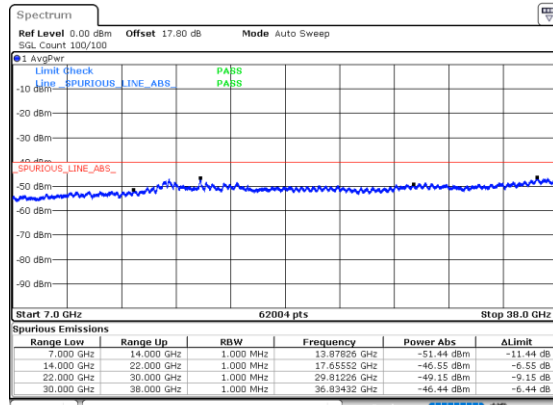
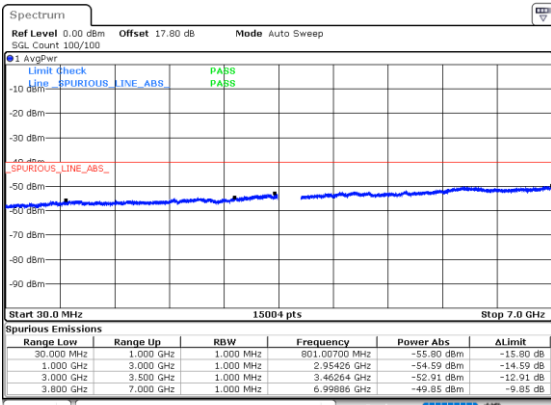


LTE Band 48 / 20MHz

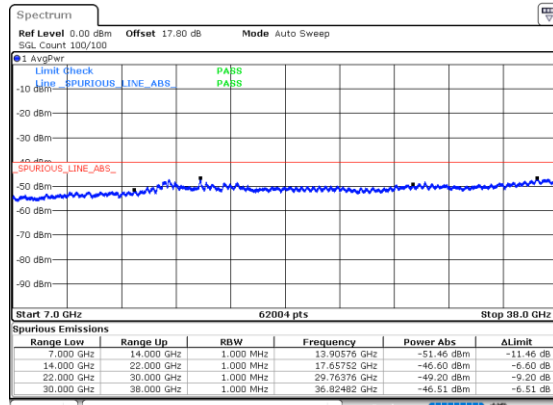
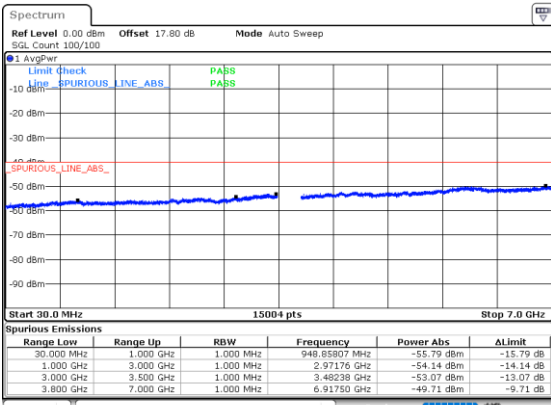
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0044	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0048	
-20	Normal Voltage	0.0047	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage = 3.3 V. ; Battery End Point (ACLRP) = 3.135 V. ; Maximum Voltage = 3.465 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 48C

26dB Bandwidth

Mode	LTE Band 48C : 26dB BW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.67	29.78	34.82	24.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.91	34.96	39.79	-

Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.82	29.96	35.03	24.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.32	34.89	39.79	-

Mode	LTE Band 48C : 26dB BW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.82	29.78	34.82	25.02
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.96	34.96	39.88	-

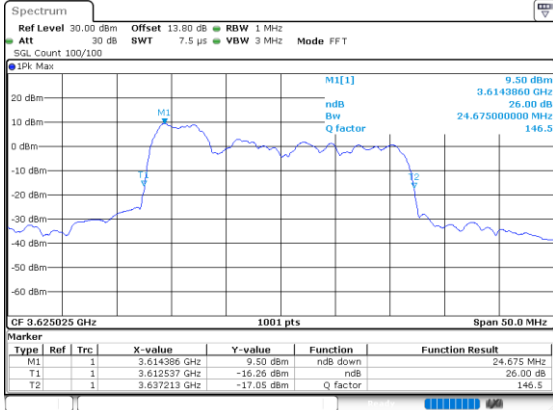
Mode	LTE Band 48C : 26dB BW(MHz)			
256QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.82	29.78	34.82	24.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.96	34.96	39.79	-



LTE Band 48C

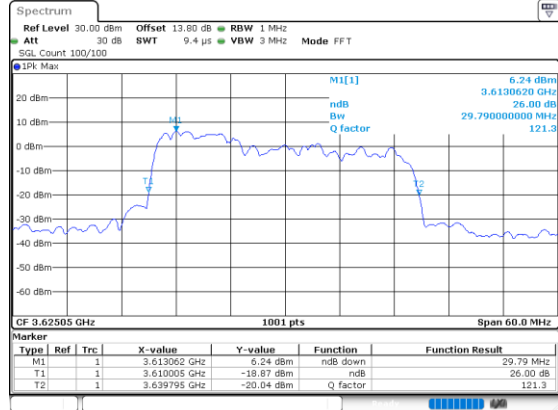
QPSK

Middle Channel / 5MHz+20MHz



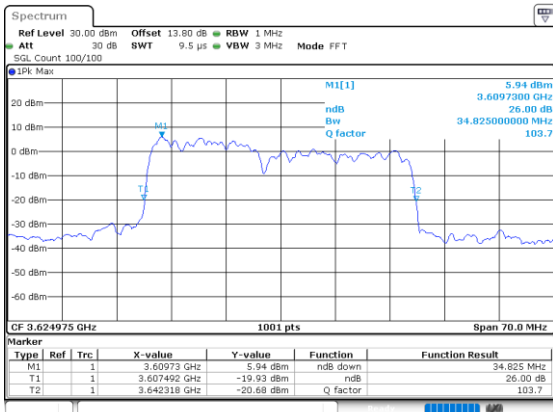
Date: 24.JUL.2024 10:19:21

Middle Channel / 10MHz+20MHz



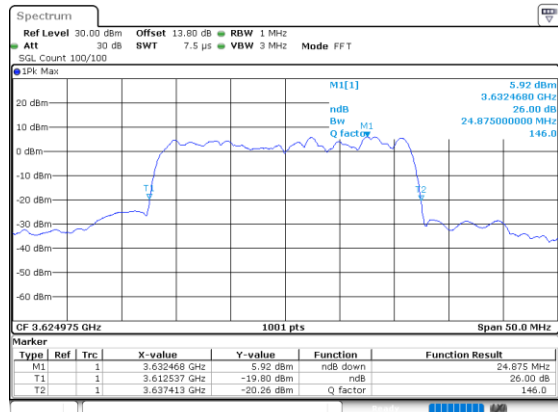
Date: 24.JUL.2024 10:33:17

Middle Channel / 15MHz+20MHz



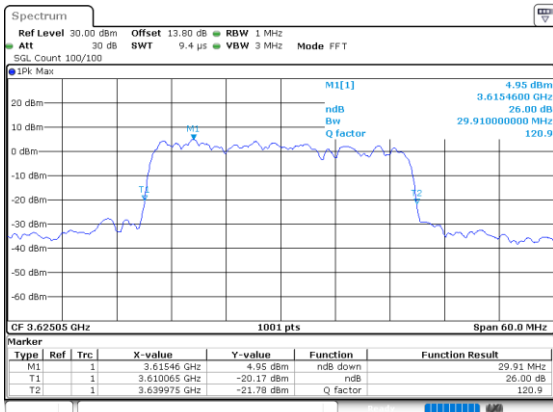
Date: 24.JUL.2024 10:47:04

Middle Channel / 20MHz+5MHz



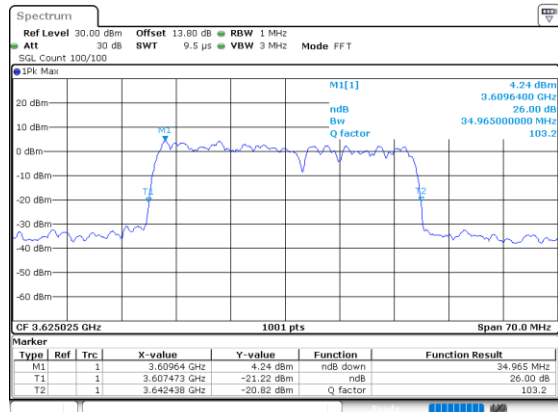
Date: 24.JUL.2024 10:26:08

Middle Channel / 20MHz+10MHz



Date: 24.JUL.2024 10:40:02

Middle Channel / 20MHz+15MHz



Date: 24.JUL.2024 10:53:58

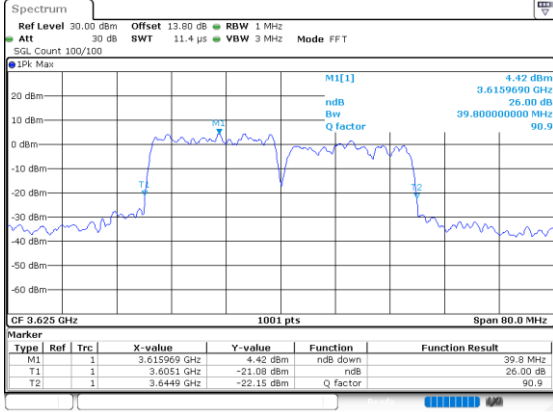


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A

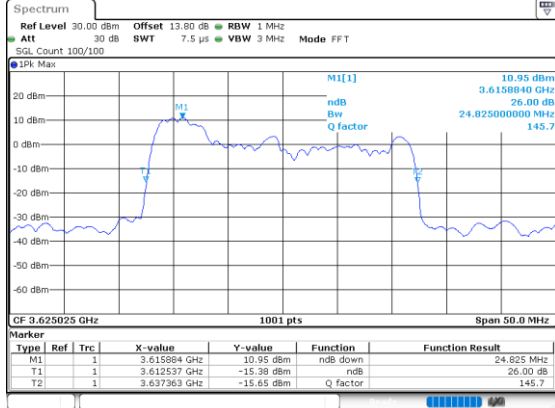




LTE Band 48C

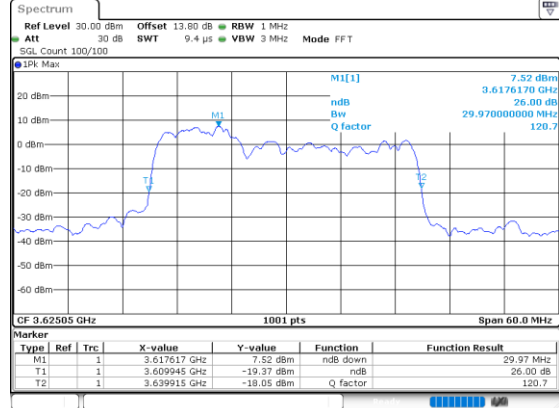
16QAM

Middle Channel / 5MHz+20MHz



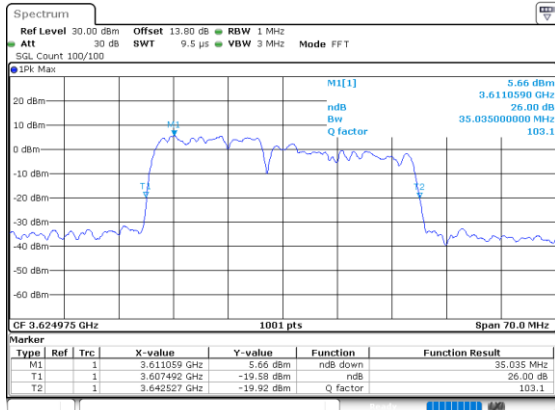
Date: 24.JUL.2024 10:18:31

Middle Channel / 10MHz+20MHz



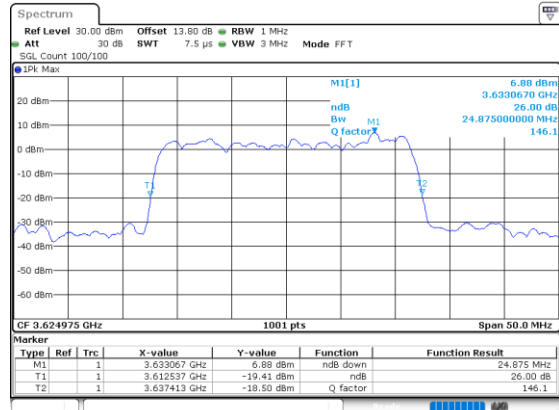
Date: 24.JUL.2024 10:32:23

Middle Channel / 15MHz+20MHz



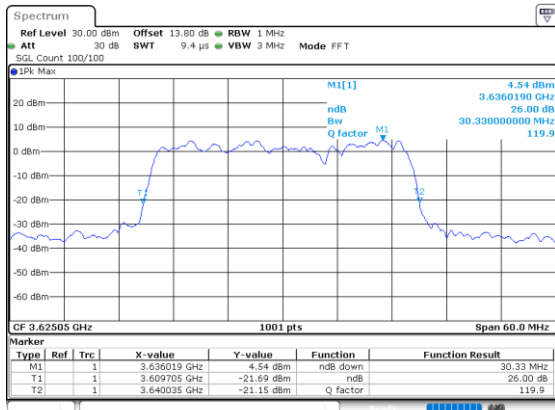
Date: 24.JUL.2024 10:46:13

Middle Channel / 20MHz+5MHz



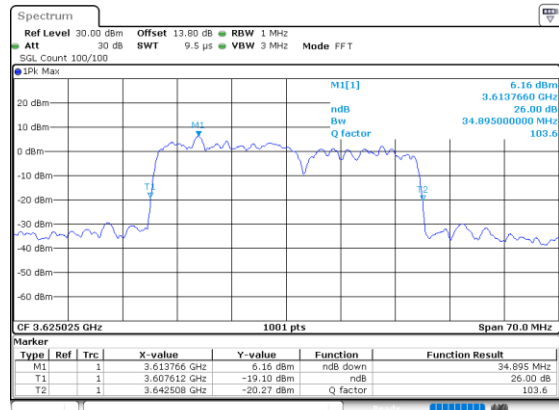
Date: 24.JUL.2024 10:25:20

Middle Channel / 20MHz+10MHz



Date: 24.JUL.2024 10:39:10

Middle Channel / 20MHz+15MHz



Date: 24.JUL.2024 10:53:10



LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A

