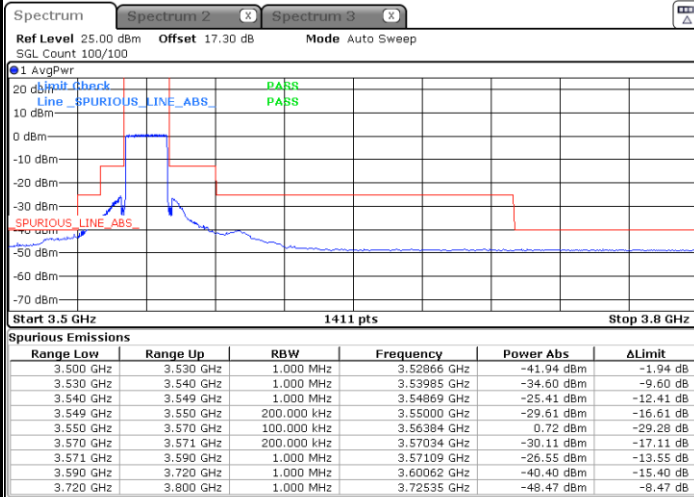




LTE Band 48 / 20MHz

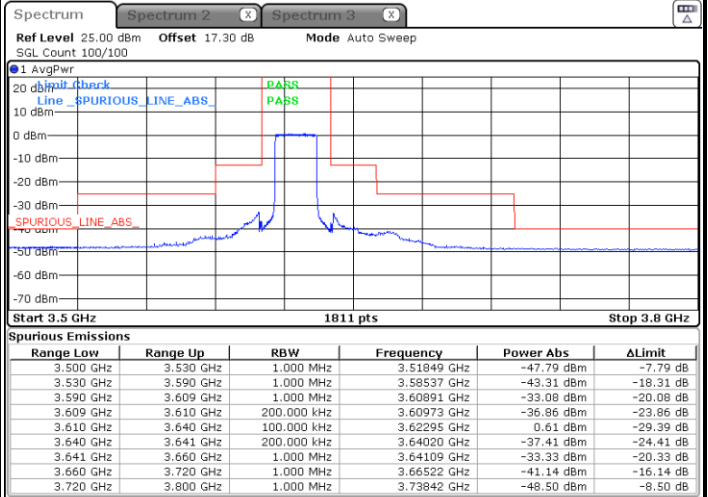
QPSK

Lowest Channel / FullIRB



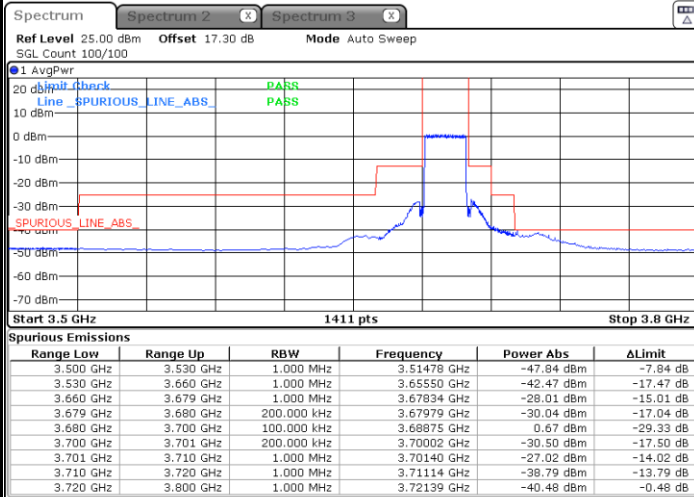
Date: 19.MAR.2025 20:57:20

Middle Channel / FullIRB



Date: 19.MAR.2025 21:03:28

Highest Channel / FullIRB



Date: 19.MAR.2025 21:08:30

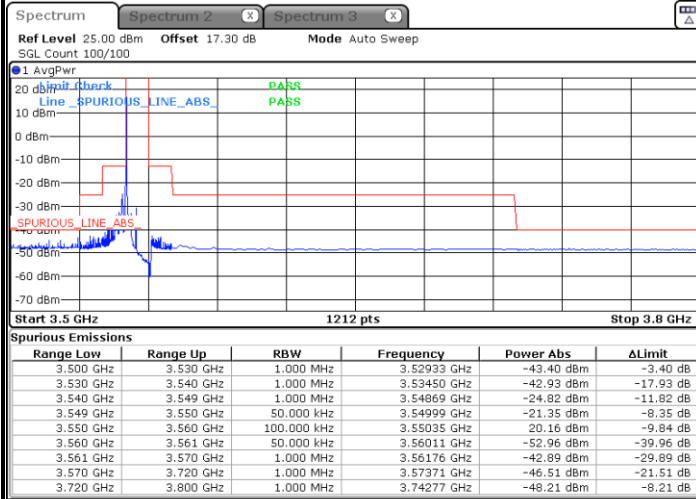
N/A



LTE Band 48 / 5MHz

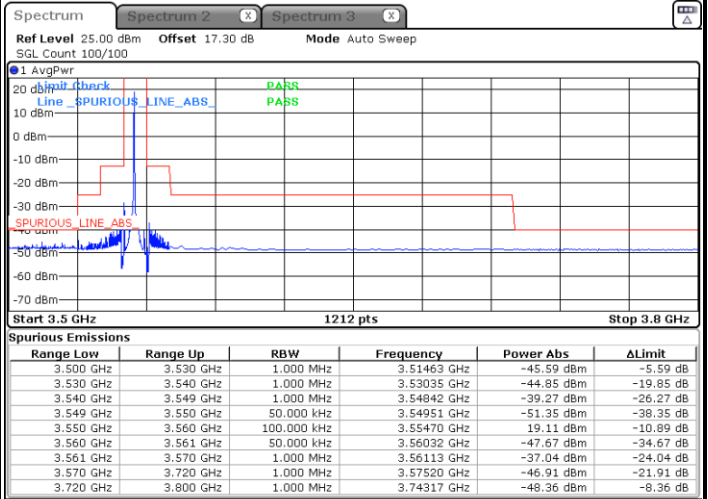
16QAM

Lowest Channel / 1RB0



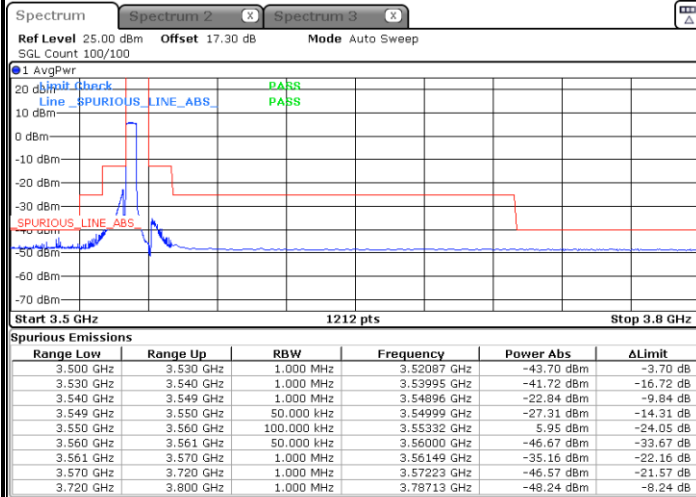
Date: 18.MAR.2025 19:09:39

Lowest Channel / 1RBmax



Date: 18.MAR.2025 22:42:21

Lowest Channel / FullIRB



Date: 18.MAR.2025 19:26:56

N/A

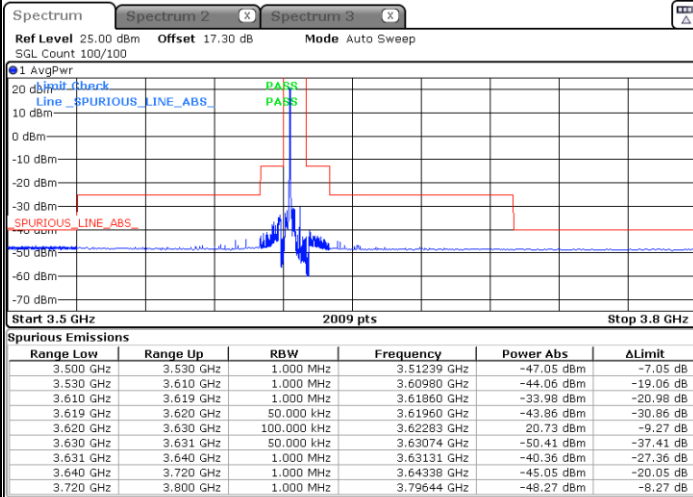


LTE Band 48 / 5MHz

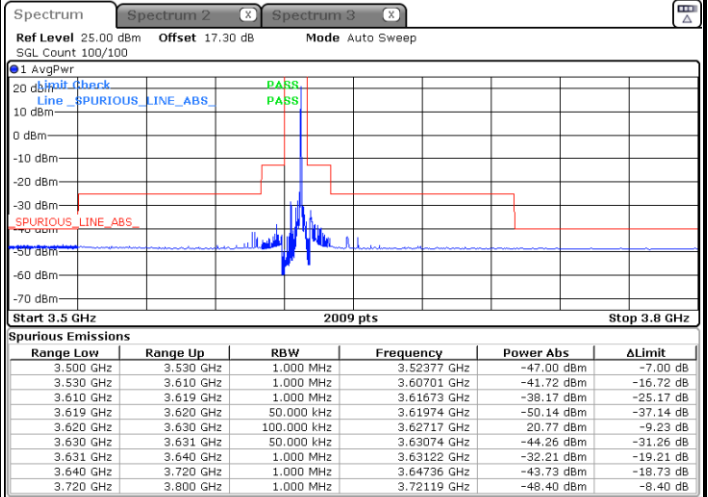
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



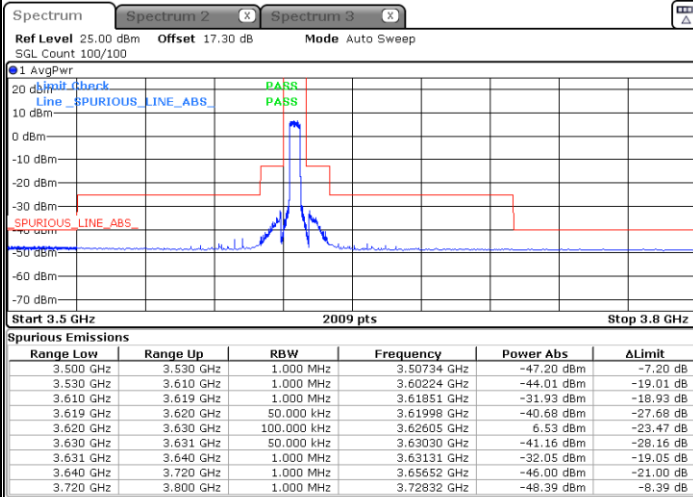
Date: 18.MAR.2025 19:15:19



Date: 18.MAR.2025 22:48:02

Middle Channel / FullRB

N/A



Date: 18.MAR.2025 22:30:53

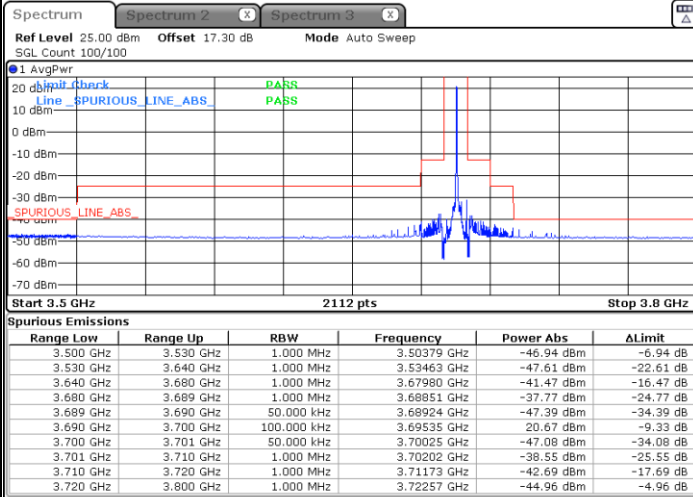


LTE Band 48 / 5MHz

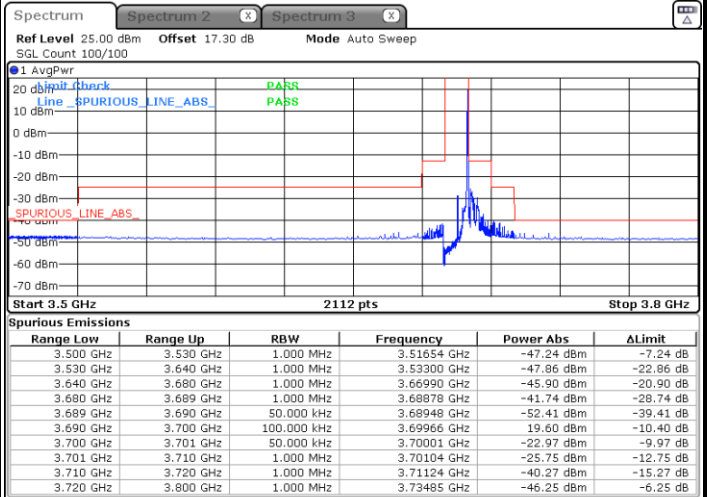
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



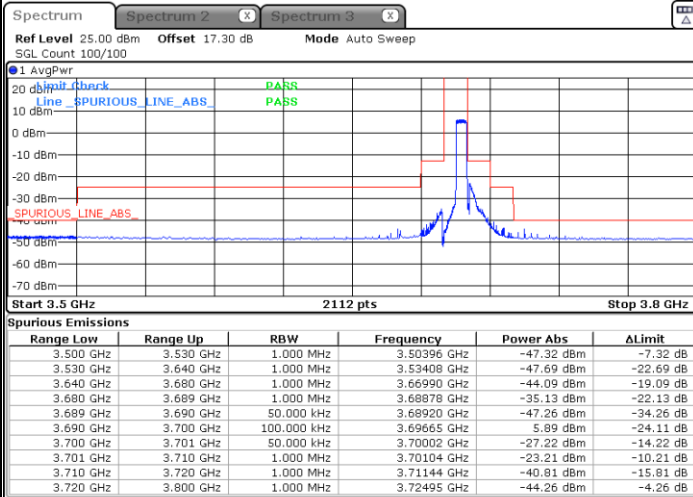
Date: 18.MAR.2025 19:21:08



Date: 18.MAR.2025 22:53:35

Highest Channel / FullIRB

N/A



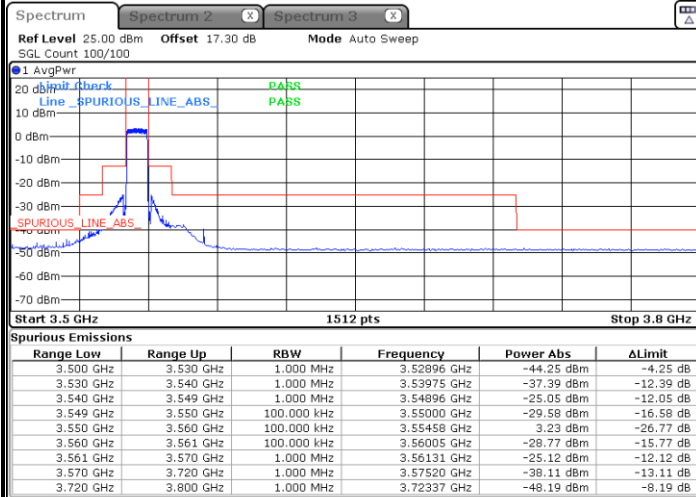
Date: 18.MAR.2025 22:36:37



LTE Band 48 / 10MHz

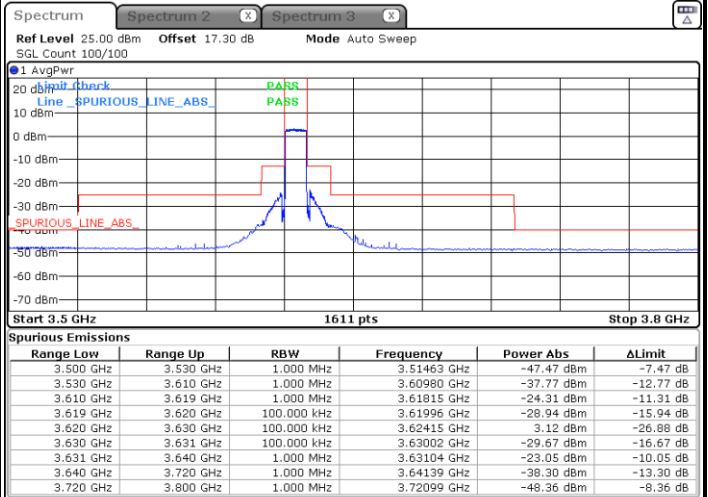
16QAM

Lowest Channel / FullIRB



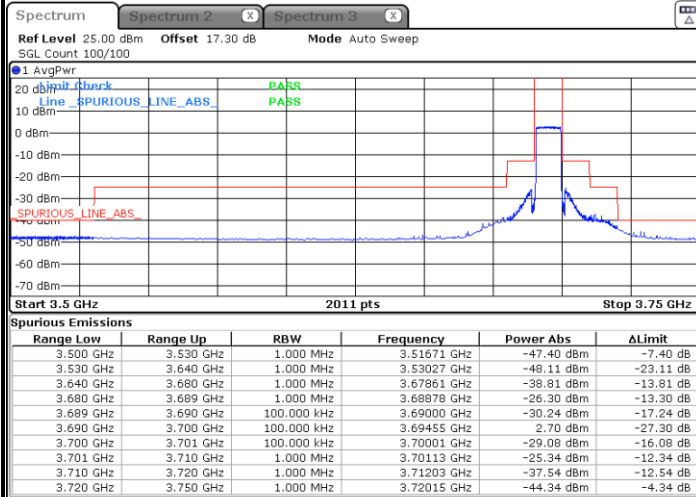
Date: 18.MAR.2025 22:59:26

Middle Channel / FullIRB



Date: 18.MAR.2025 23:04:56

Highest Channel / FullIRB



Date: 19.MAR.2025 19:20:39

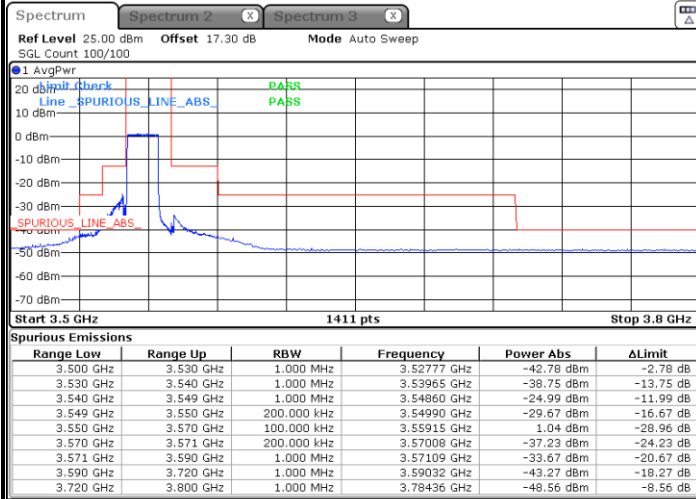
N/A



LTE Band 48 / 15MHz

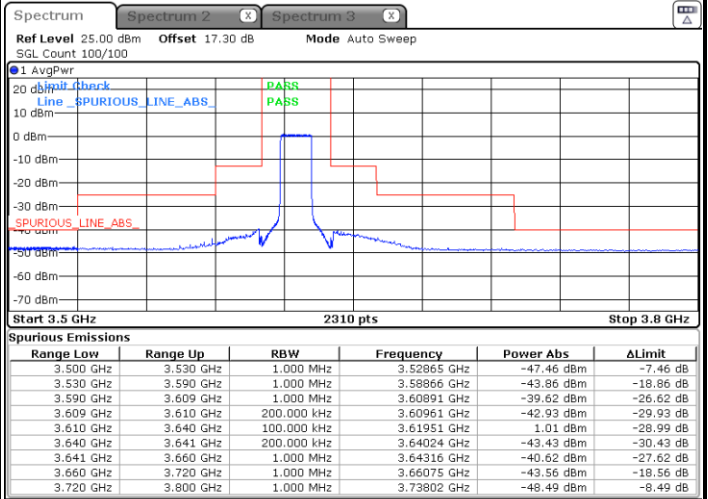
16QAM

Lowest Channel / FullIRB



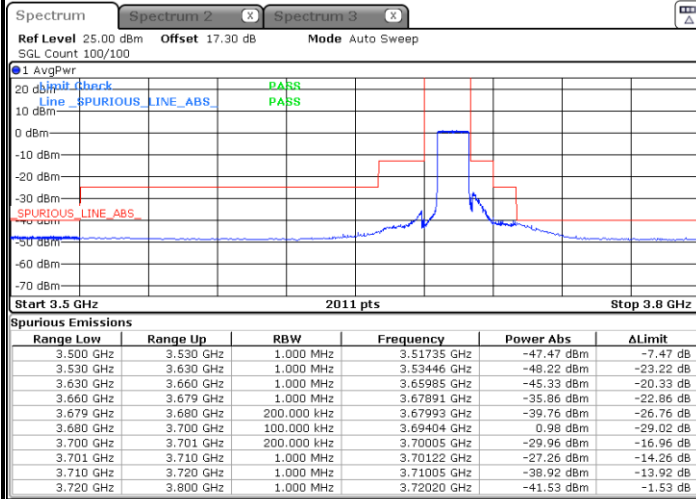
Date: 19.MAR.2025 19:26:07

Middle Channel / FullIRB



Date: 19.MAR.2025 19:31:34

Highest Channel / FullIRB



Date: 19.MAR.2025 20:49:24

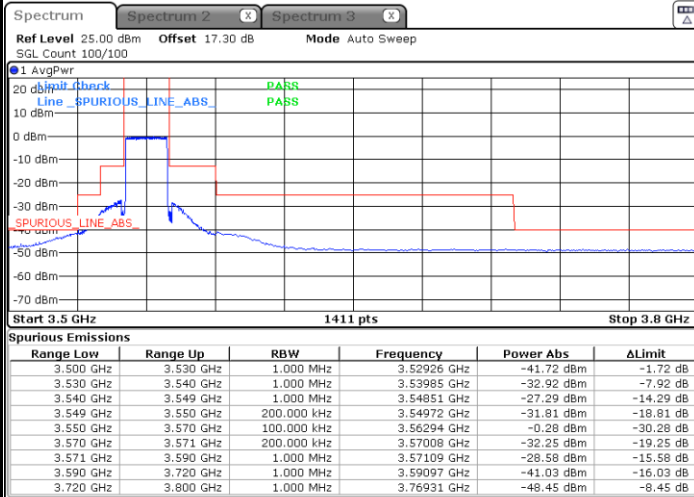
N/A



LTE Band 48 / 20MHz

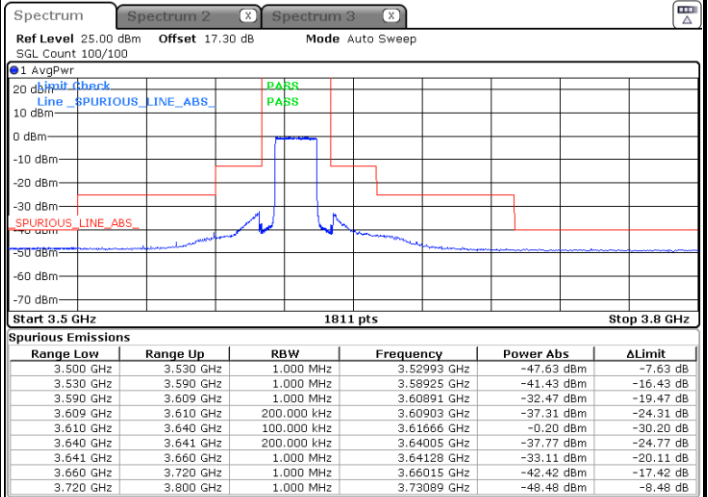
16QAM

Lowest Channel / FullIRB



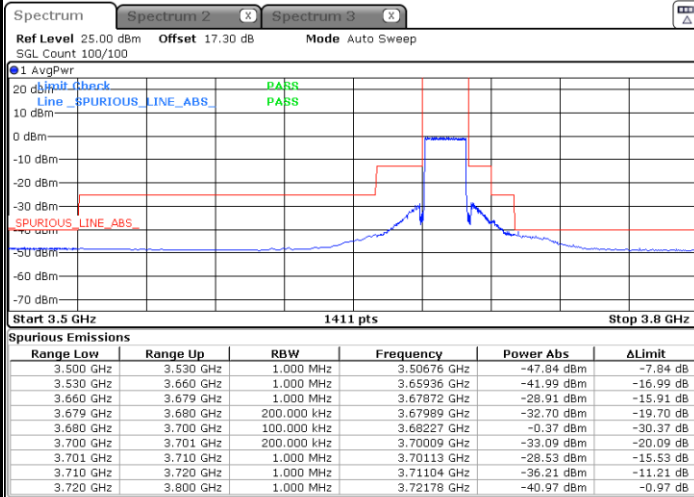
Date: 19.MAR.2025 20:58:36

Middle Channel / FullIRB



Date: 19.MAR.2025 21:04:39

Highest Channel / FullIRB



Date: 19.MAR.2025 21:09:47

N/A

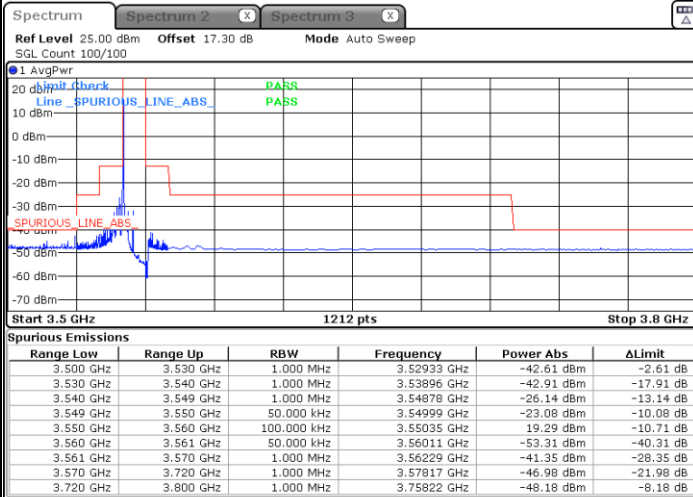


LTE Band 48 / 5MHz

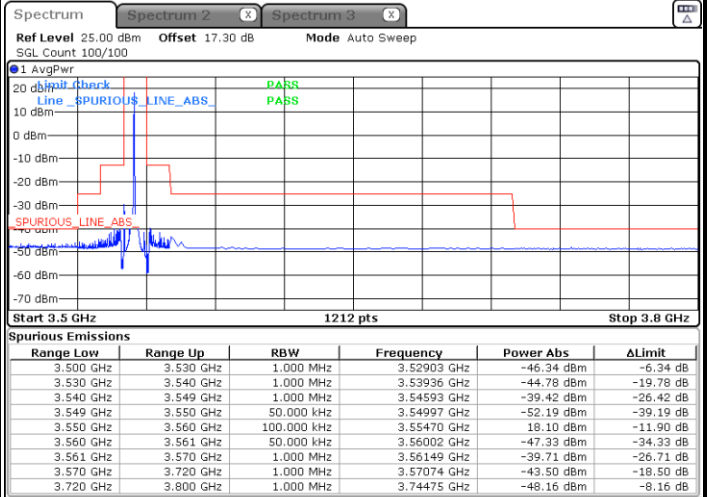
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



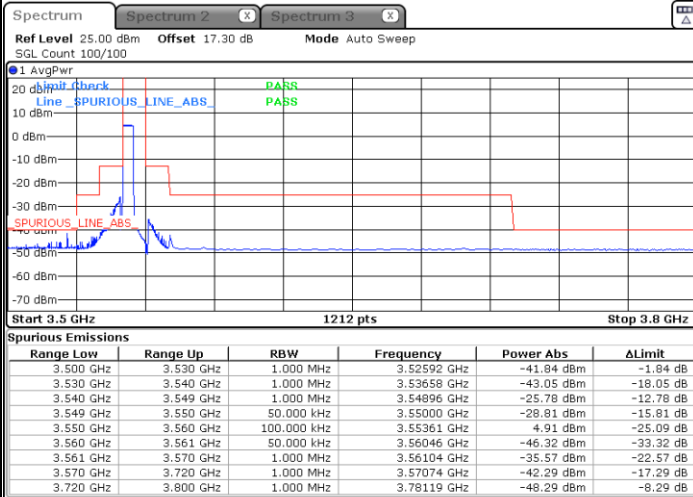
Date: 18.MAR.2025 19:11:04



Date: 18.MAR.2025 22:43:48

Lowest Channel / FullIRB

N/A



Date: 18.MAR.2025 19:28:21

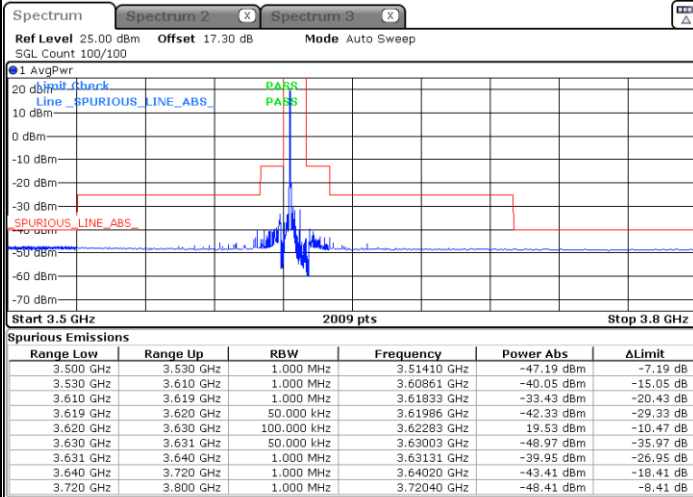


LTE Band 48 / 5MHz

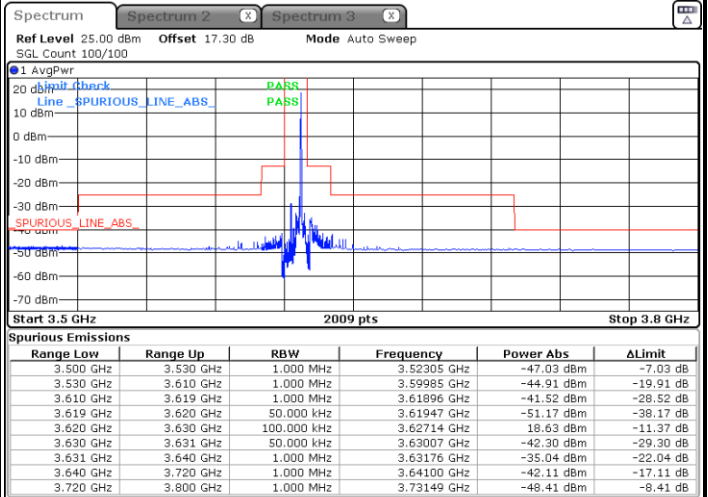
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



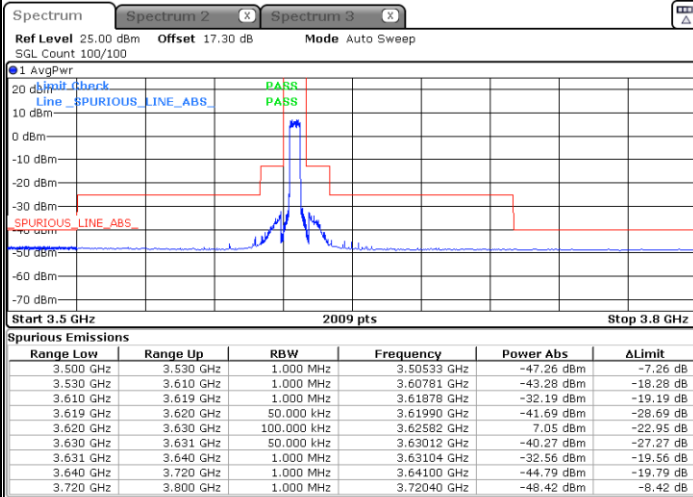
Date: 18.MAR.2025 19:16:45



Date: 18.MAR.2025 22:49:26

Middle Channel / FullRB

N/A



Date: 18.MAR.2025 22:32:24

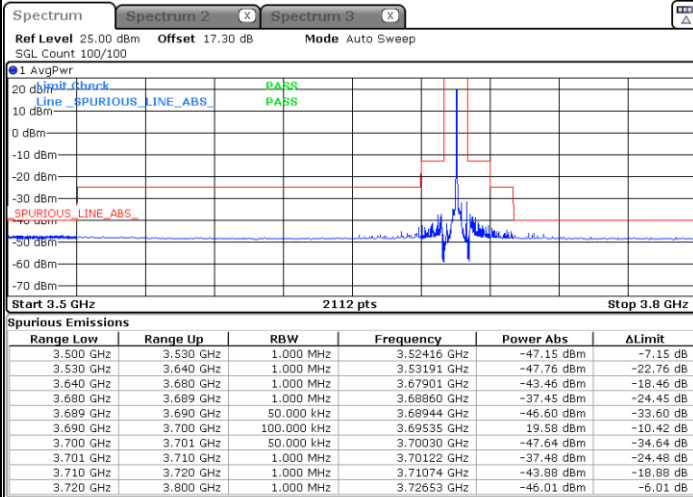


LTE Band 48 / 5MHz

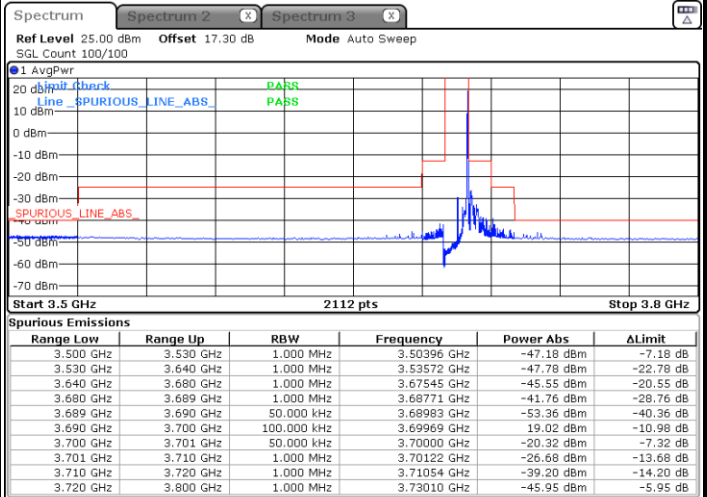
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



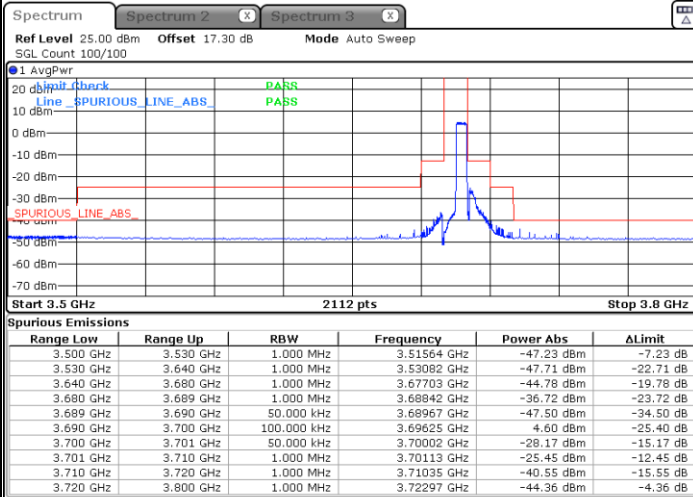
Date: 18.MAR.2025 19:22:35



Date: 18.MAR.2025 22:55:03

Highest Channel / FullIRB

N/A



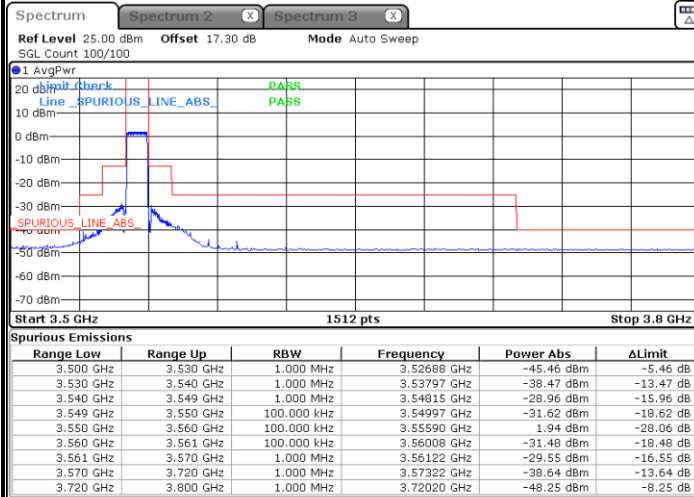
Date: 18.MAR.2025 22:38:01



LTE Band 48 / 10MHz

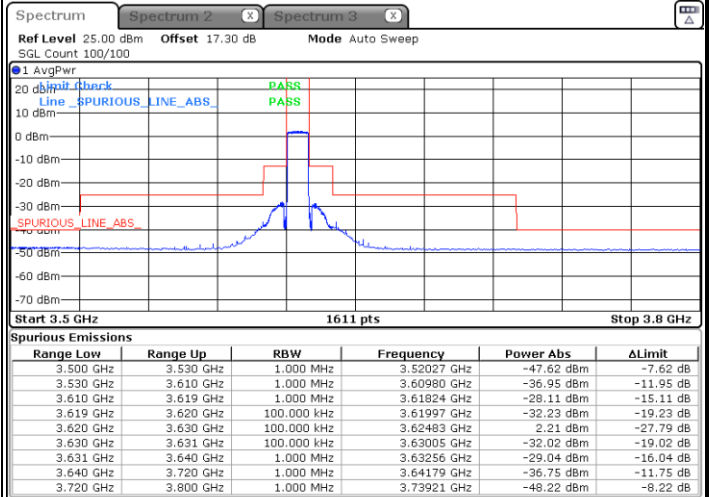
64QAM

Lowest Channel / FullIRB



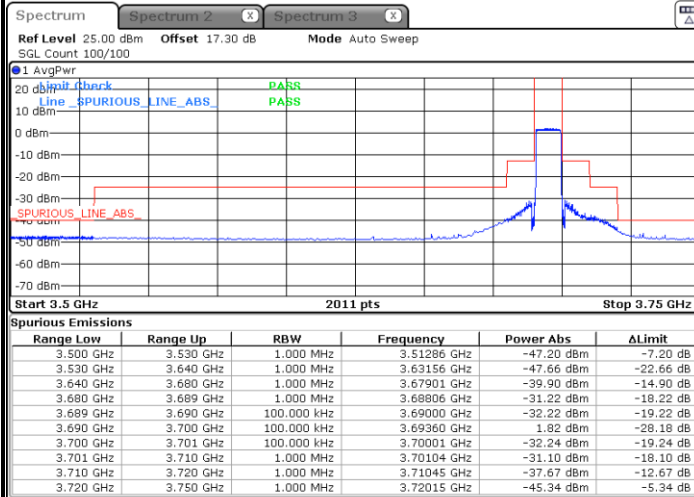
Date: 18.MAR.2025 23:00:46

Middle Channel / FullIRB



Date: 18.MAR.2025 23:06:22

Highest Channel / FullIRB



Date: 19.MAR.2025 19:21:59

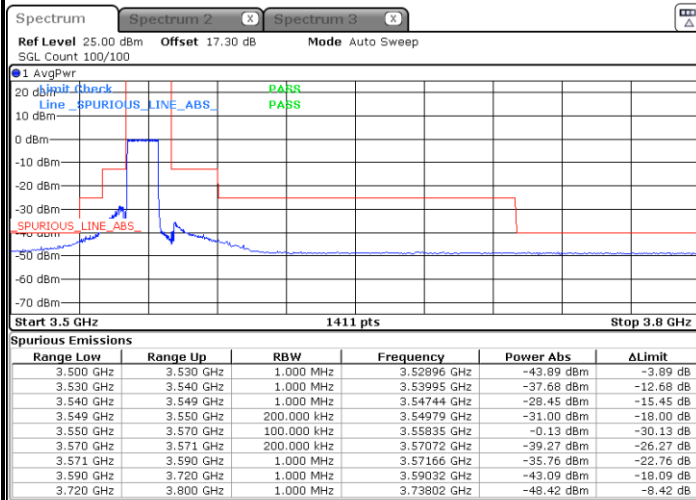
N/A



LTE Band 48 / 15MHz

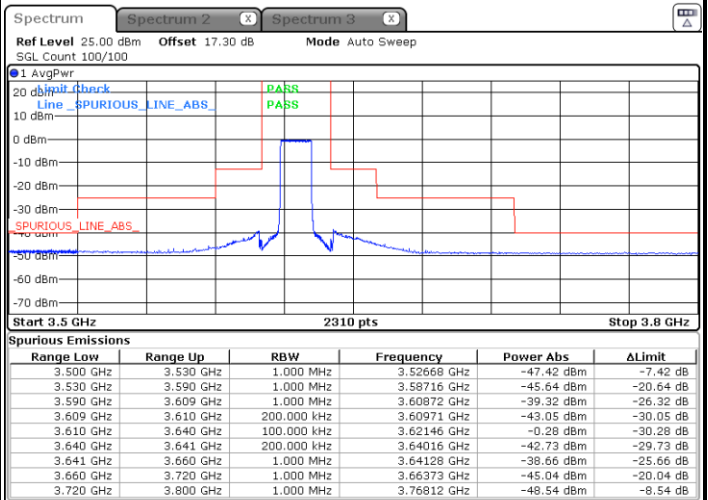
64QAM

Lowest Channel / FullIRB



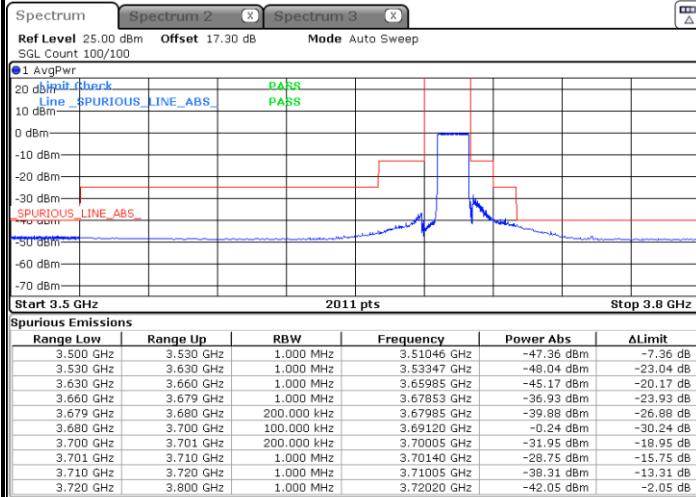
Date: 19.MAR.2025 19:27:30

Middle Channel / FullIRB



Date: 19.MAR.2025 19:32:56

Highest Channel / FullIRB



Date: 19.MAR.2025 20:50:41

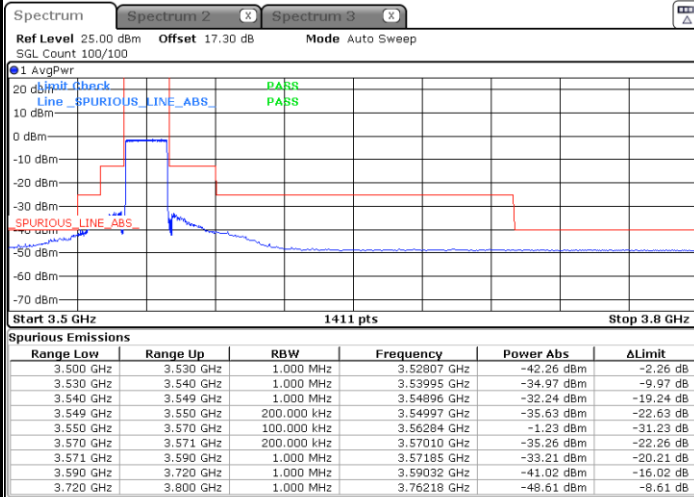
N/A



LTE Band 48 / 20MHz

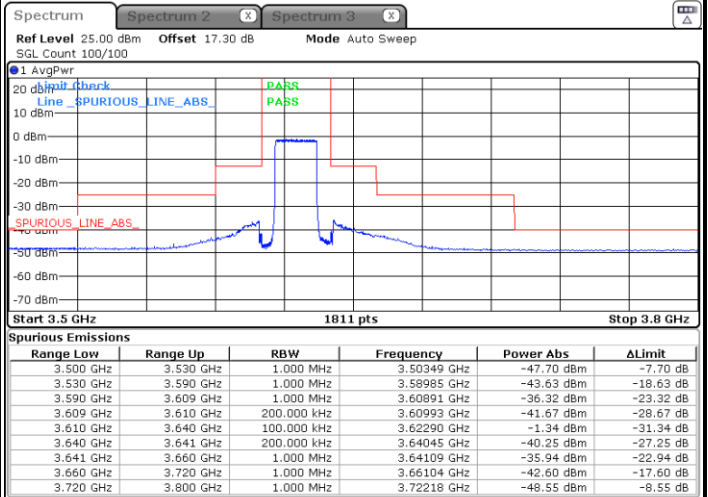
64QAM

Lowest Channel / FullIRB



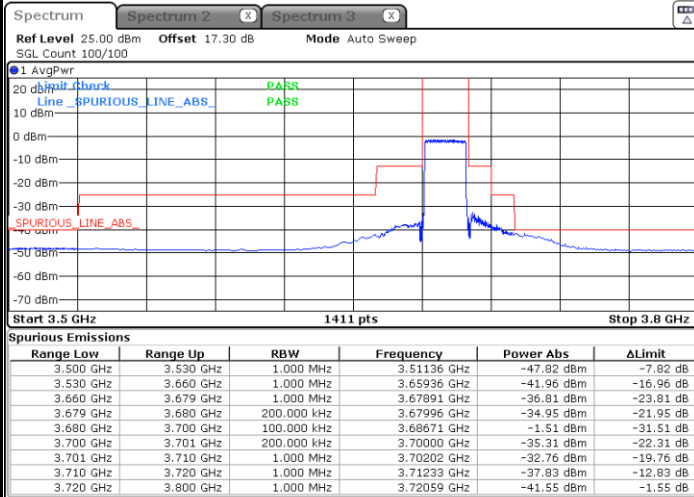
Date: 19.MAR.2025 20:59:51

Middle Channel / FullIRB



Date: 19.MAR.2025 21:05:55

Highest Channel / FullIRB



Date: 19.MAR.2025 21:11:02

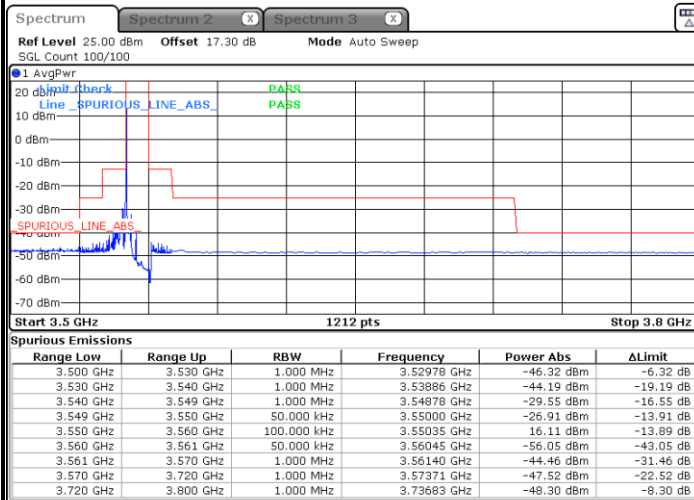
N/A



LTE Band 48 / 5MHz

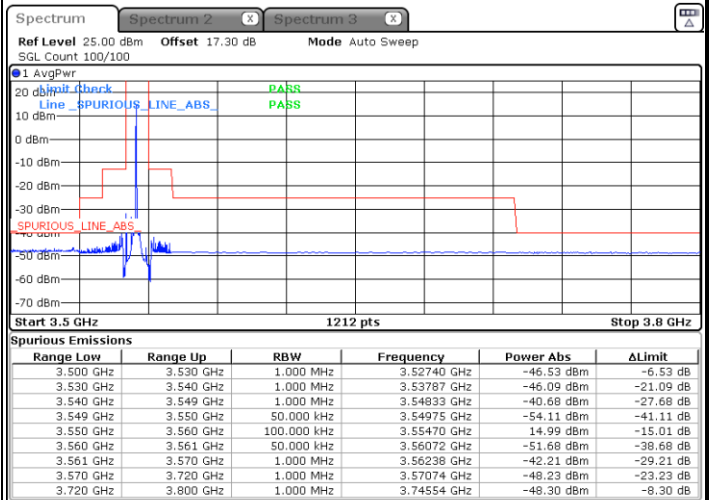
256QAM

Lowest Channel / 1RB0



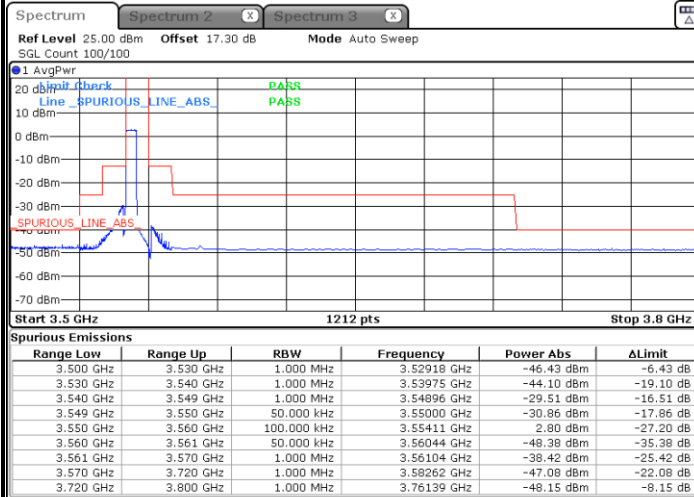
Date: 18.MAR.2025 19:12:29

Lowest Channel / 1RBmax



Date: 18.MAR.2025 22:45:14

Lowest Channel / FullIRB



Date: 18.MAR.2025 19:29:45

N/A

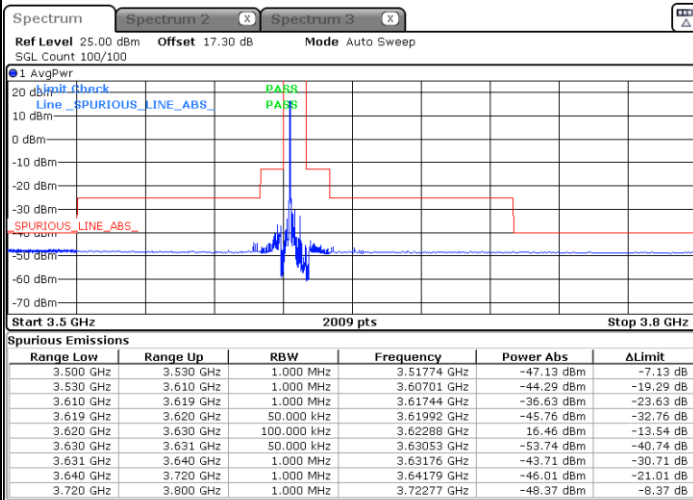


LTE Band 48 / 5MHz

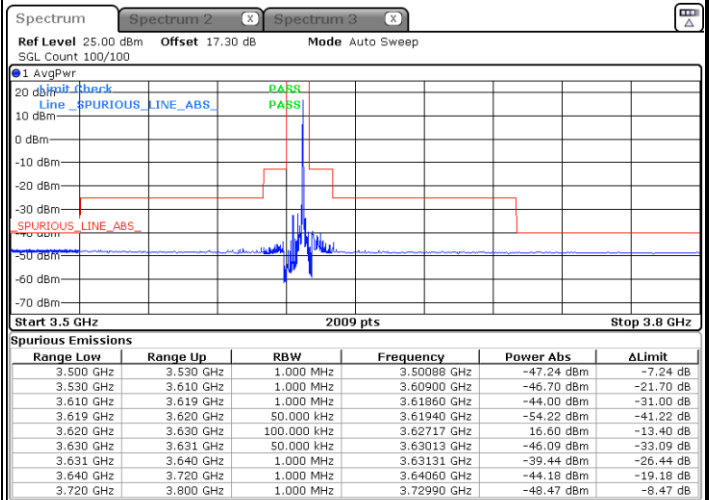
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



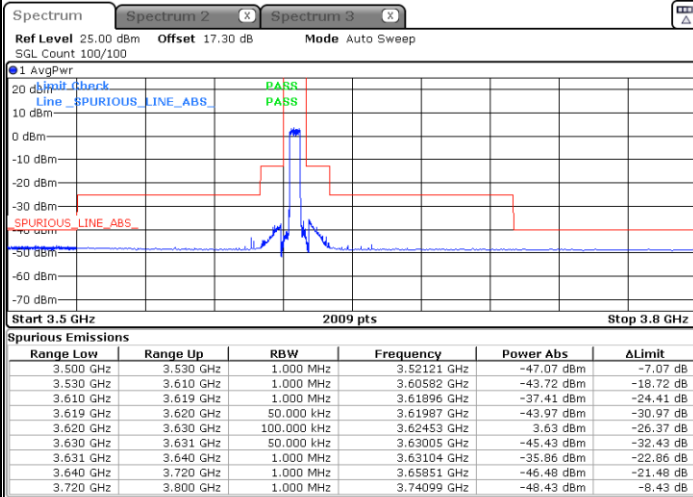
Date: 18.MAR.2025 19:18:12



Date: 18.MAR.2025 22:50:47

Middle Channel / FullRB

N/A



Date: 18.MAR.2025 22:33:47

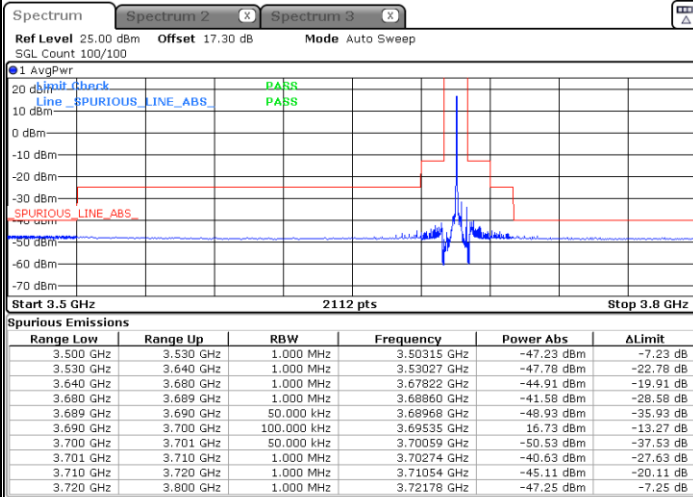


LTE Band 48 / 5MHz

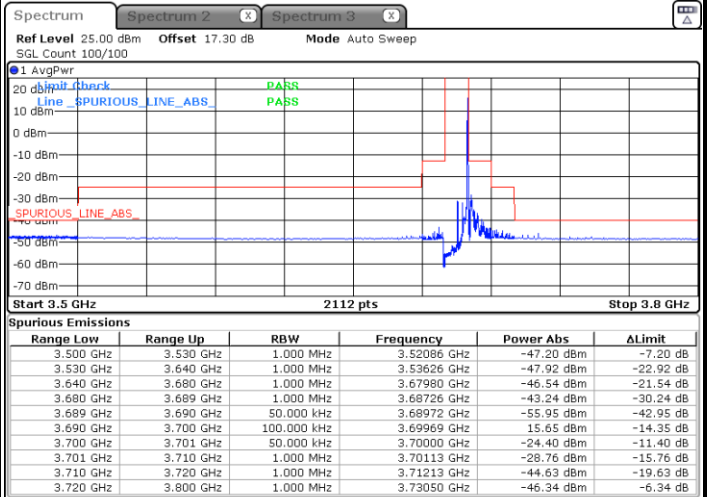
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



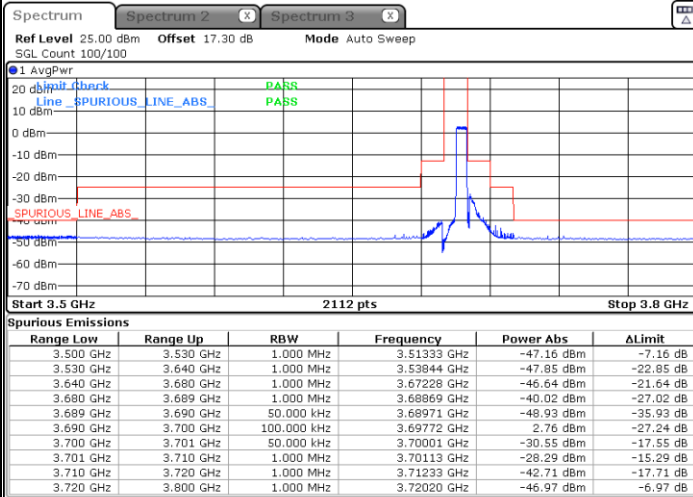
Date: 18.MAR.2025 19:24:03



Date: 18.MAR.2025 22:56:30

Highest Channel / FullIRB

N/A



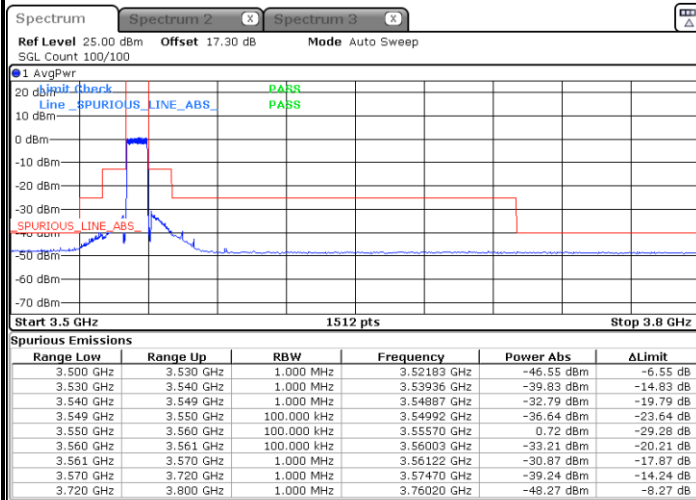
Date: 18.MAR.2025 22:39:28



LTE Band 48 / 10MHz

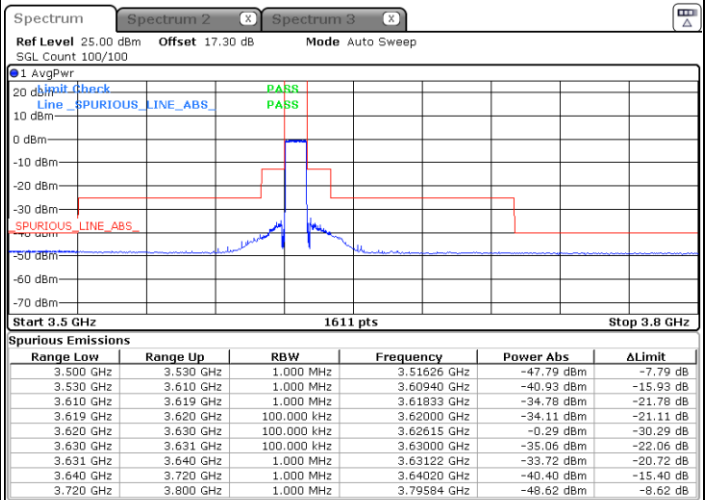
256QAM

Lowest Channel / FullIRB



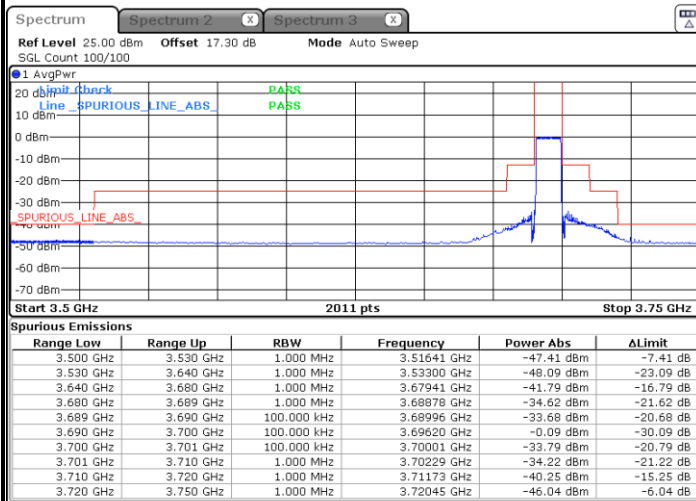
Date: 18.MAR.2025 23:02:10

Middle Channel / FullIRB



Date: 19.MAR.2025 19:17:31

Highest Channel / FullIRB



Date: 19.MAR.2025 19:23:21

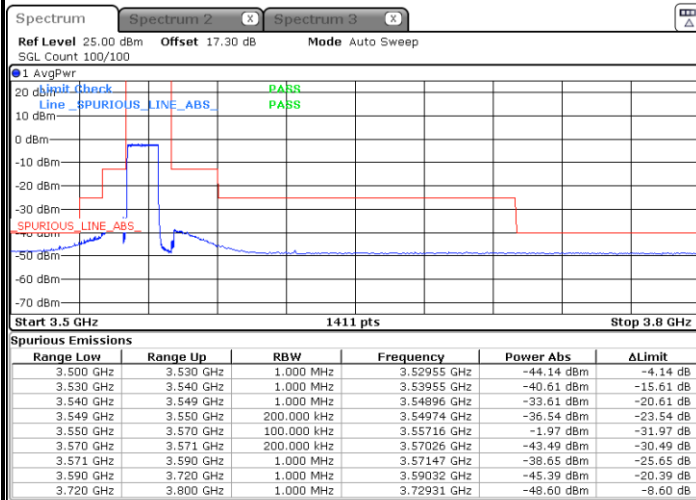
N/A



LTE Band 48 / 15MHz

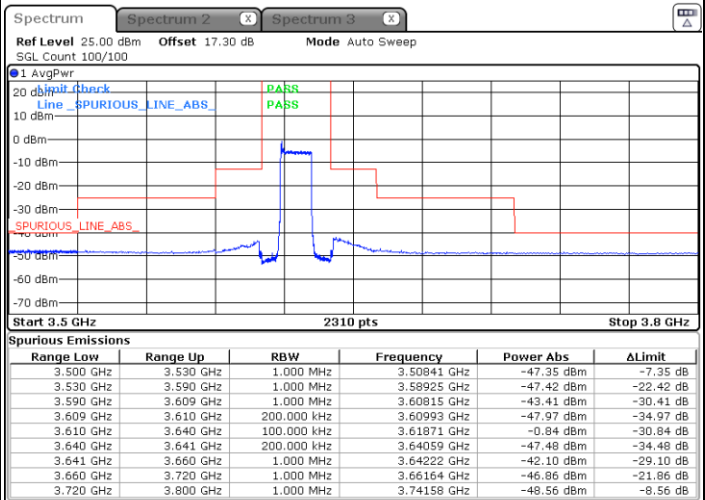
256QAM

Lowest Channel / FullIRB



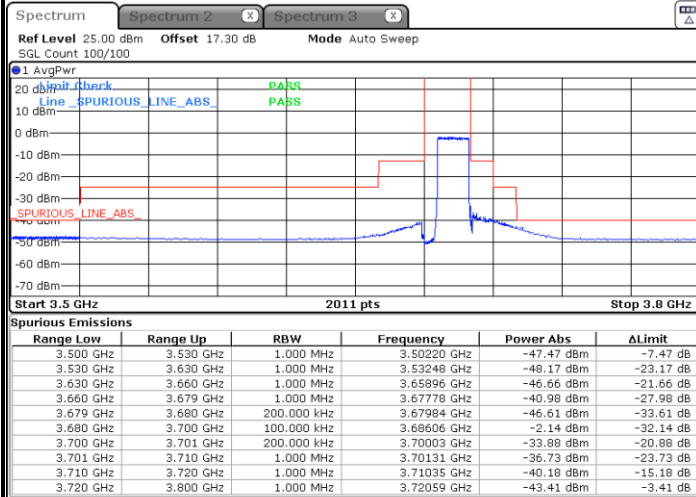
Date: 19.MAR.2025 19:28:51

Middle Channel / FullIRB



Date: 19.MAR.2025 20:45:50

Highest Channel / FullIRB



Date: 19.MAR.2025 20:51:58

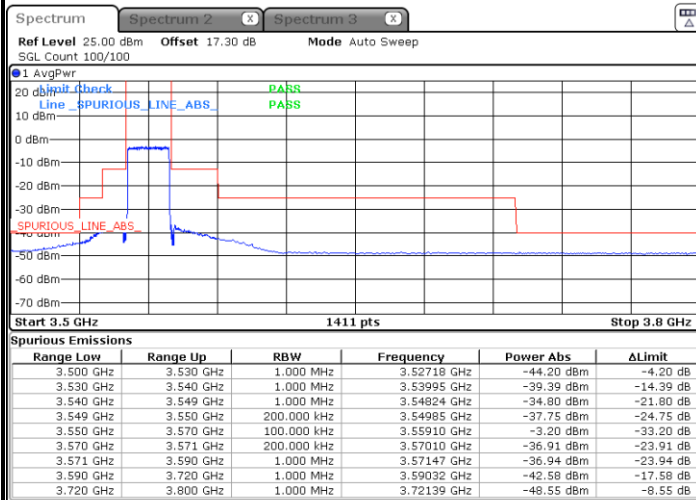
N/A



LTE Band 48 / 20MHz

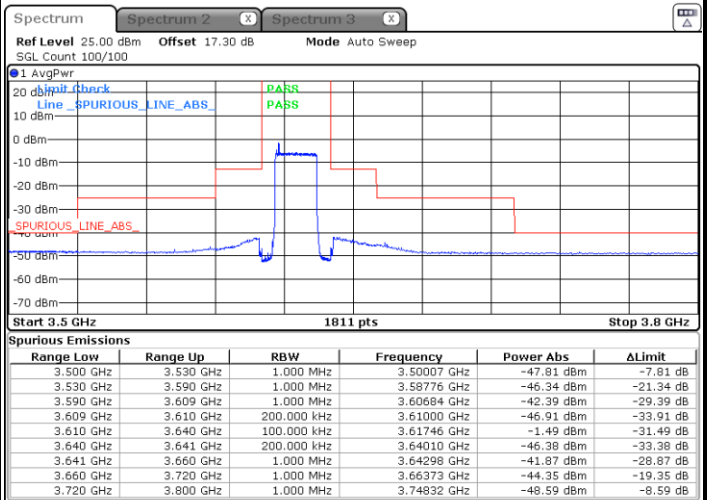
256QAM

Lowest Channel / FullIRB



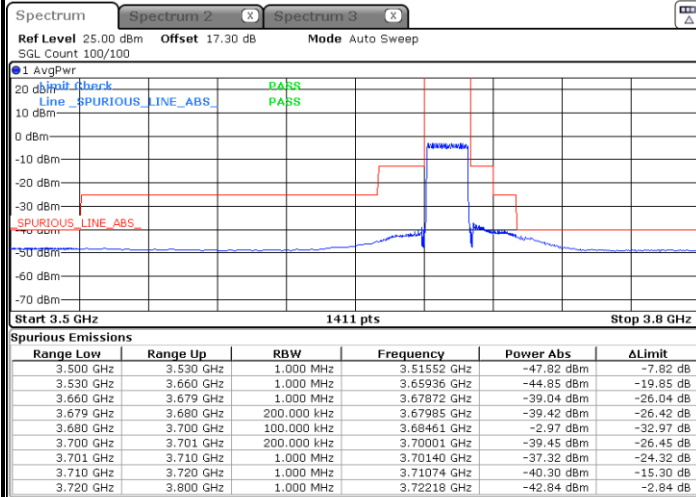
Date: 19.MAR.2025 21:01:06

Middle Channel / FullIRB



Date: 19.MAR.2025 21:07:13

Highest Channel / FullIRB



Date: 19.MAR.2025 21:12:22

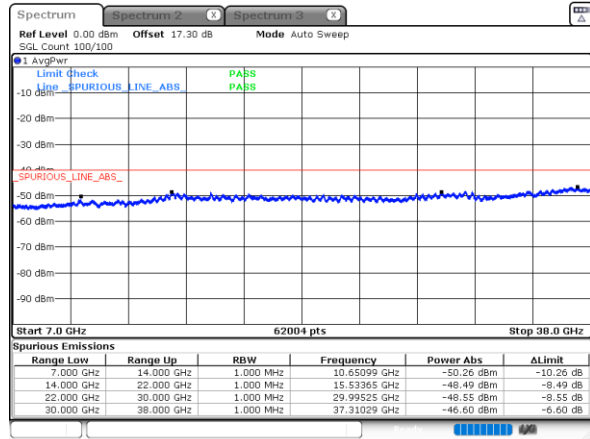
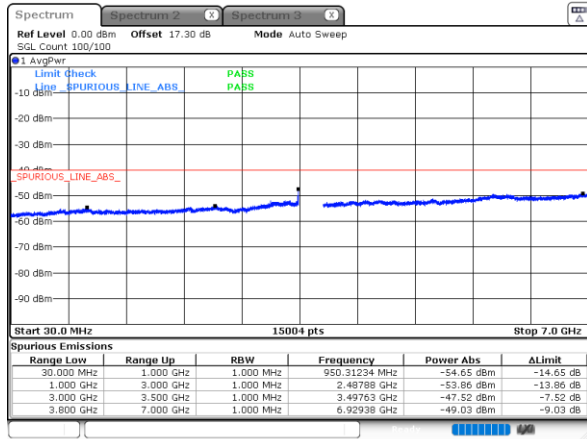
N/A



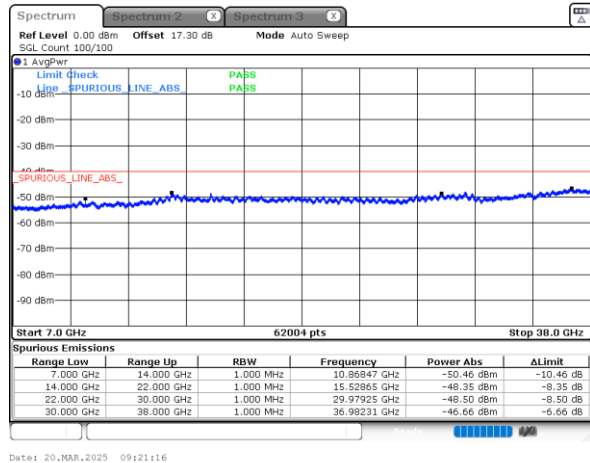
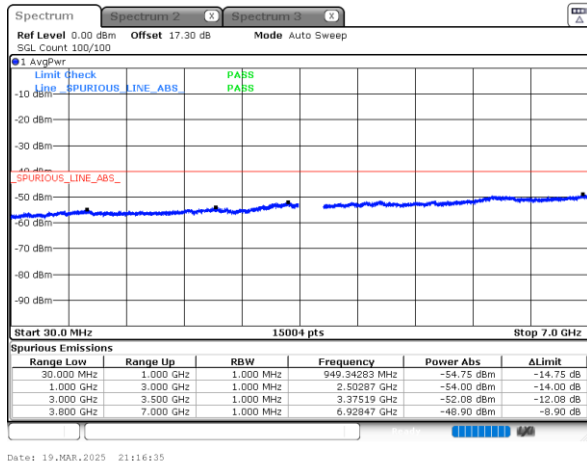
Conducted Spurious Emission

LTE Band 48 / 5MHz

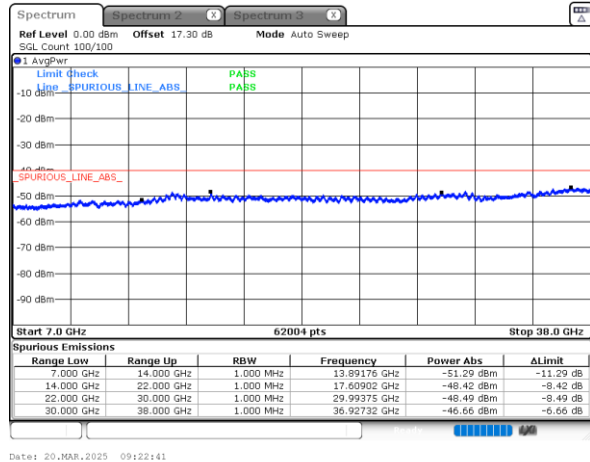
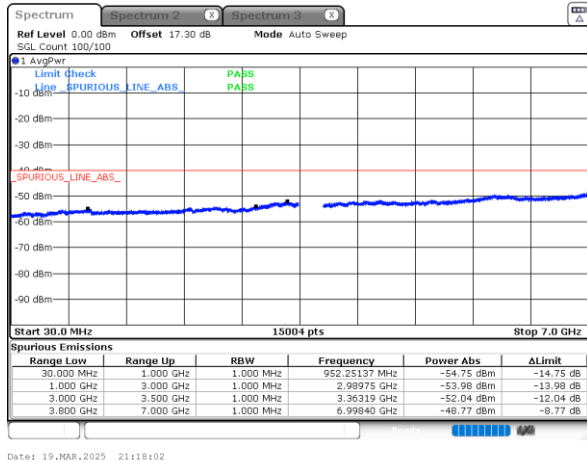
Lowest Channel / QPSK



Middle Channel / QPSK



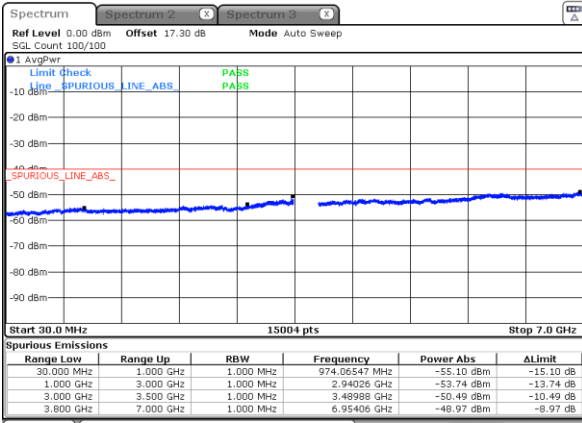
Highest Channel / QPSK



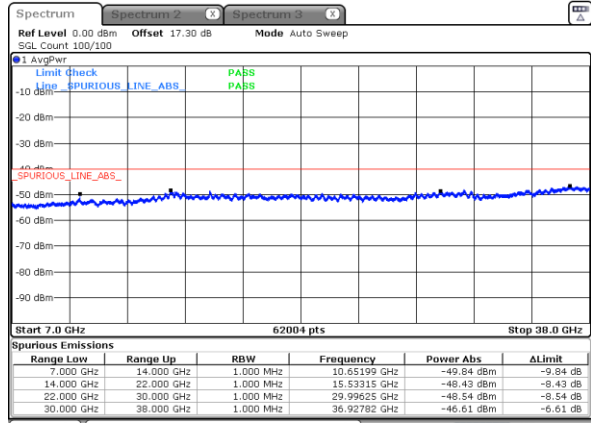


LTE Band 48 / 10MHz

Lowest Channel / QPSK

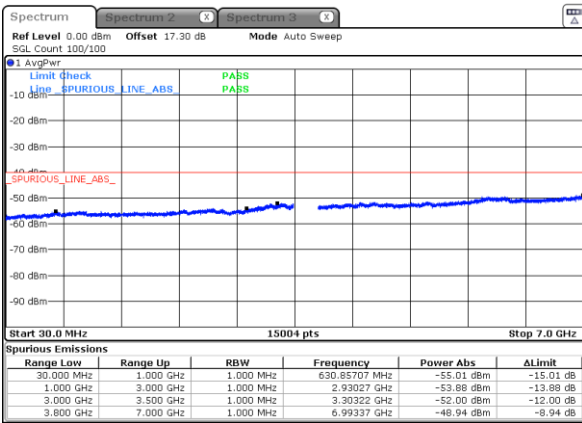


Date: 19.MAR.2025 21:19:29

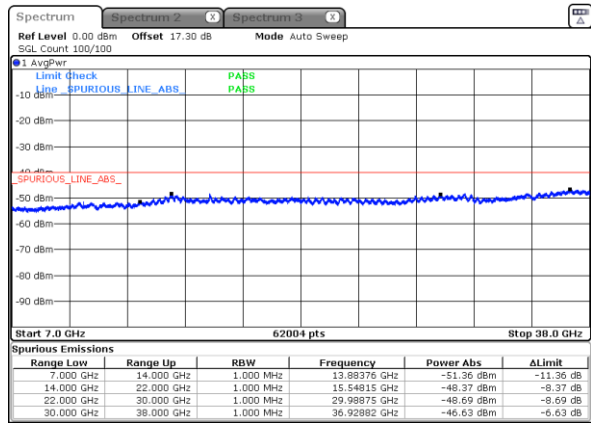


Date: 20.MAR.2025 09:12:107

Middle Channel / QPSK

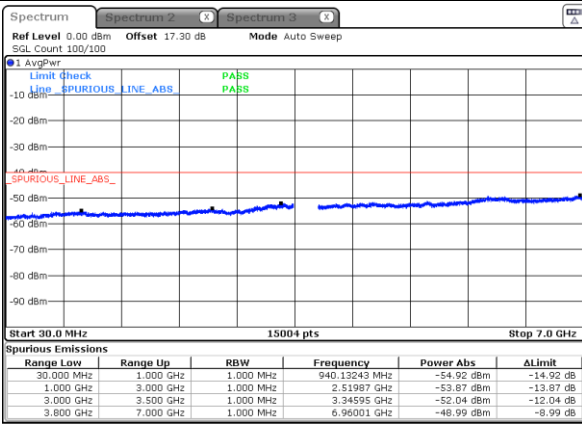


Date: 19.MAR.2025 21:20:54

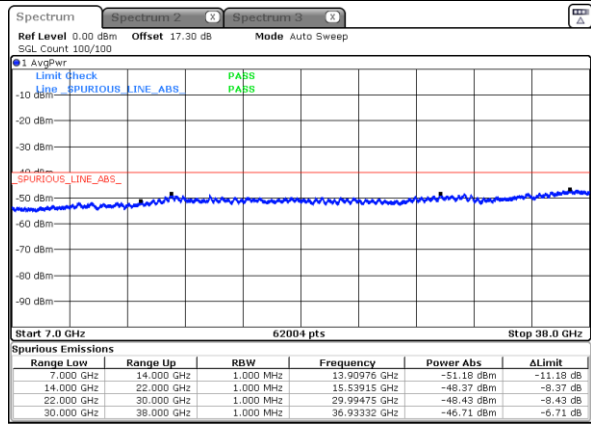


Date: 20.MAR.2025 09:12:514

Highest Channel / QPSK



Date: 19.MAR.2025 21:22:20

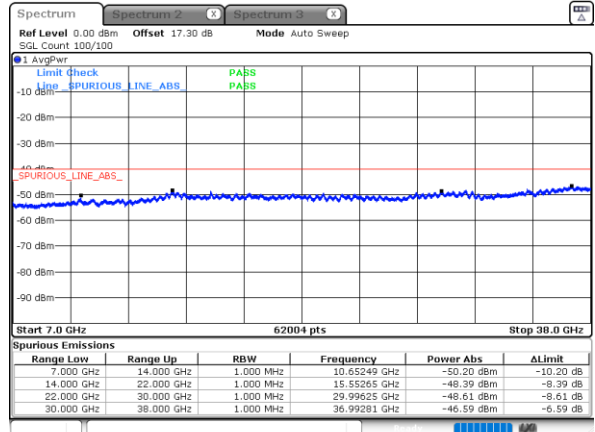
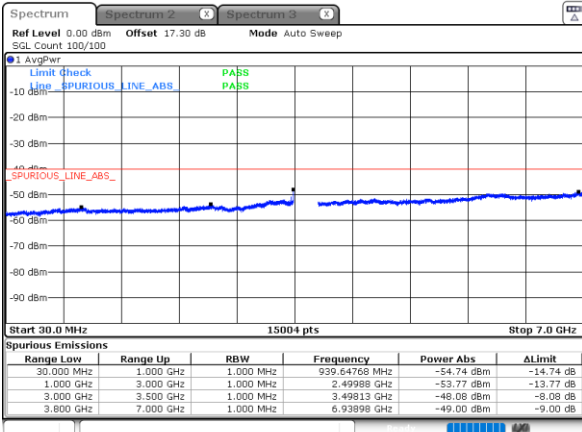


Date: 20.MAR.2025 09:127:01

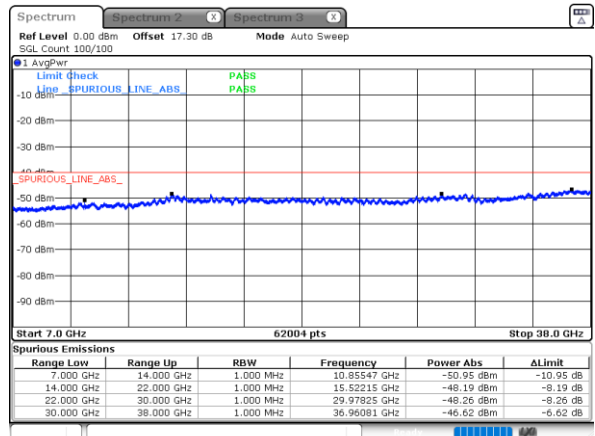
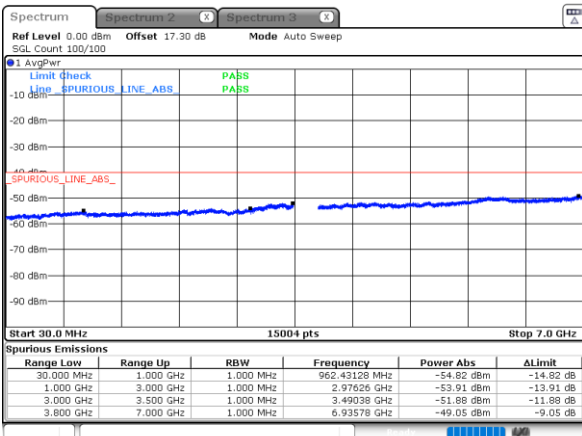


LTE Band 48 / 15MHz

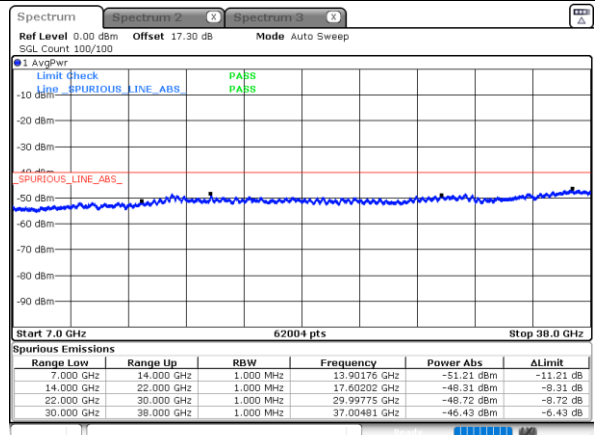
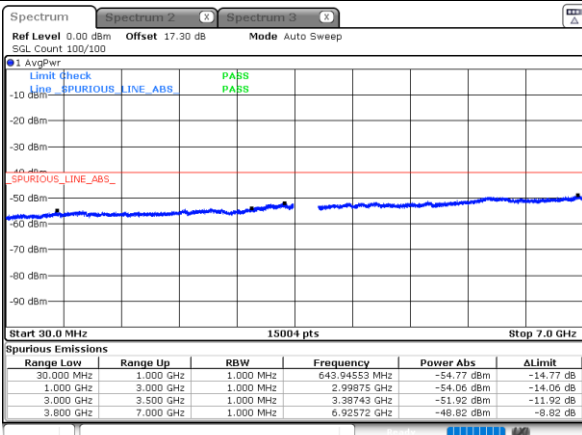
Lowest Channel / QPSK



Middle Channel / QPSK



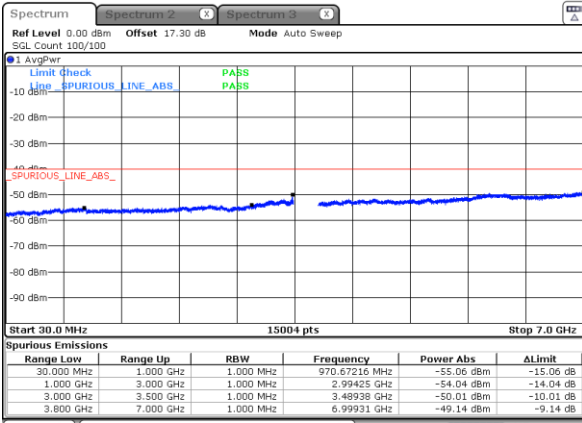
Highest Channel / QPSK



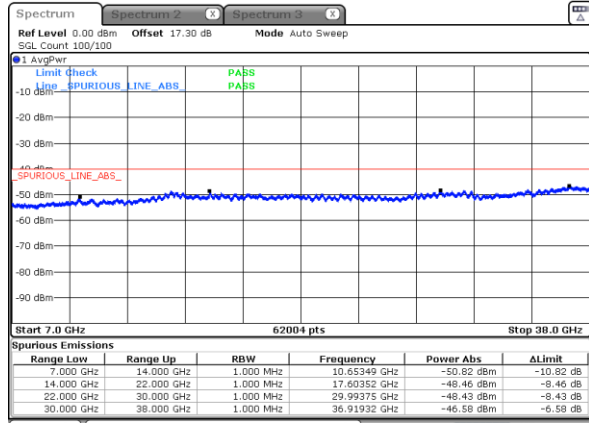


LTE Band 48 / 20MHz

Lowest Channel / QPSK

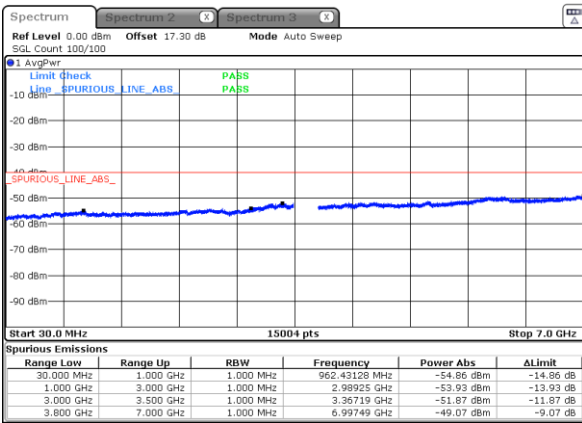


Date: 19.MAR.2025 21:27:58

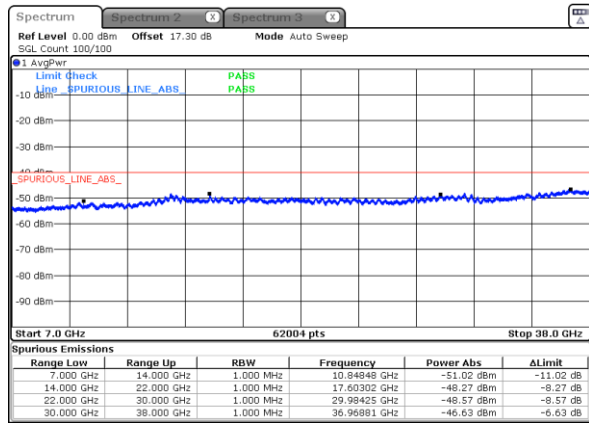


Date: 20.MAR.2025 09:13:48

Middle Channel / QPSK

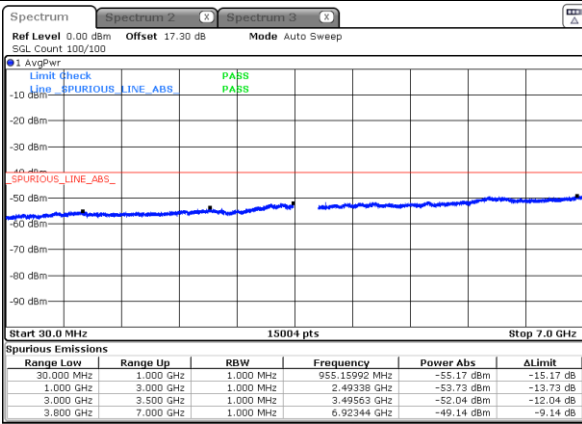


Date: 19.MAR.2025 21:29:24

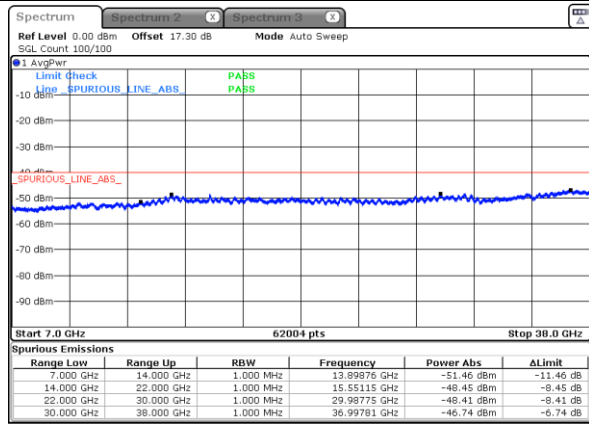


Date: 20.MAR.2025 09:15:15

Highest Channel / QPSK



Date: 19.MAR.2025 21:30:50



Date: 20.MAR.2025 09:15:19

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	0.0021	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0000	
-30	Normal Voltage	0.0039	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0003	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 48B

26dB Bandwidth

Mode	LTE Band 48B : 26dB BW(MHz)			
10MHz+10MHz				
BW	QPSK	16QAM	64QAM	256QAM
Middle CH	19.64	19.56	19.60	19.68



LTE Band 48B

QPSK

16QAM

Middle Channel / 10MHz+10MHz

Middle Channel / 10MHz+10MHz

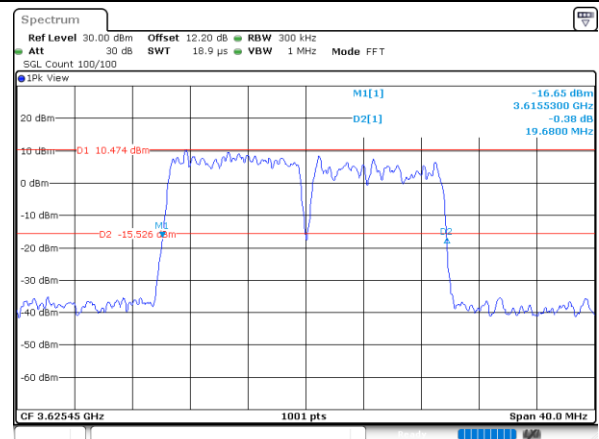
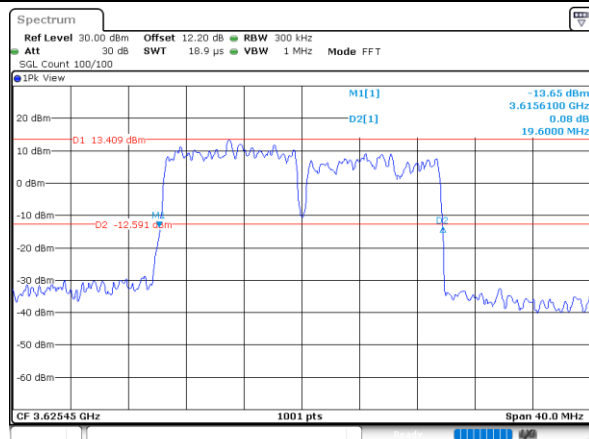


64QAM

256QAM

Middle Channel / 10MHz+10MHz

Middle Channel / 10MHz+10MHz





Occupied Bandwidth

Mode	LTE Band 48B : 99%OBW(MHz)			
10MHz+10MHz				
BW	QPSK	16QAM	64QAM	256QAM
Middle CH	18.75	18.75	18.69	18.67