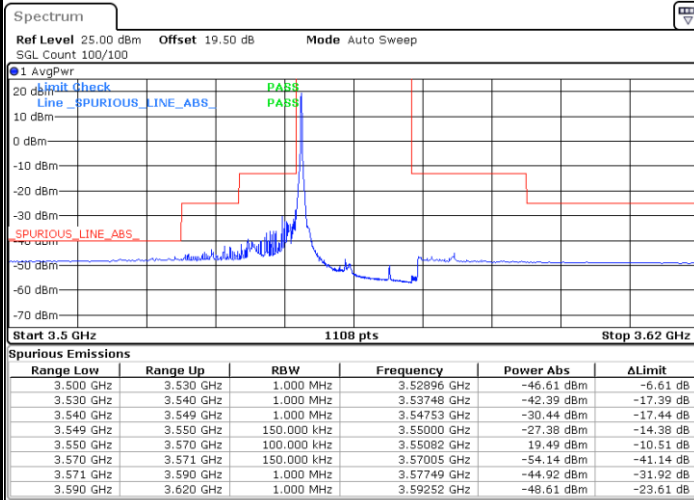




LTE Band 48 / 15MHz

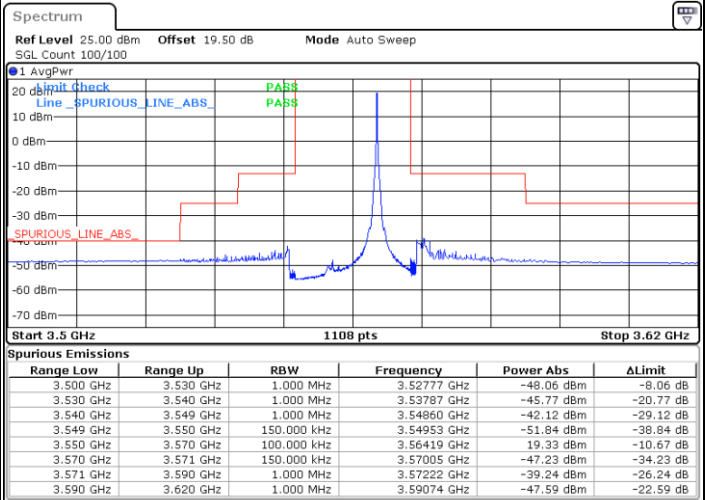
16QAM

Lowest Channel / 1RB0



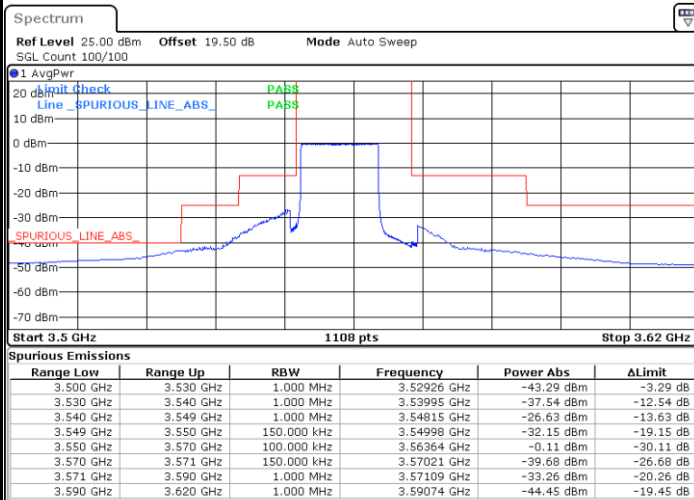
Date: 9.NOV.2023 18:49:14

Lowest Channel / 1RBmax



Date: 9.NOV.2023 18:53:39

Lowest Channel / FullRB



Date: 9.NOV.2023 18:58:05

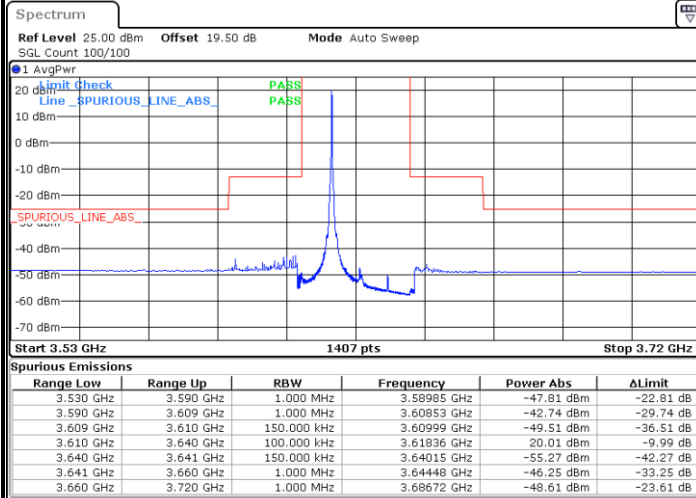
N/A



LTE Band 48 / 15MHz

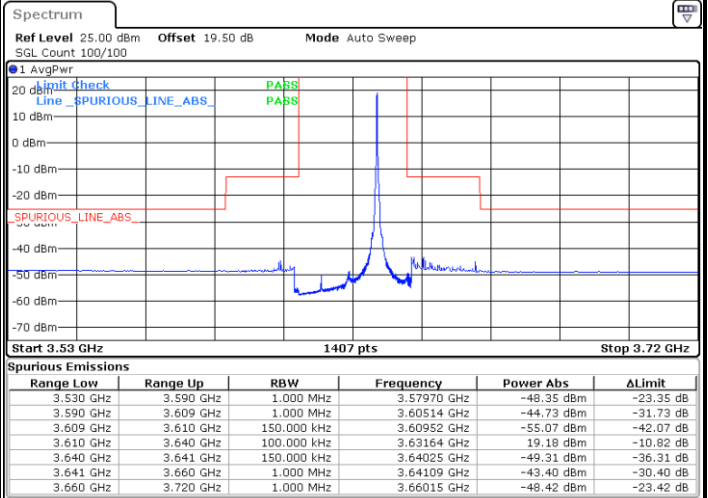
16QAM

Middle Channel / 1RB0



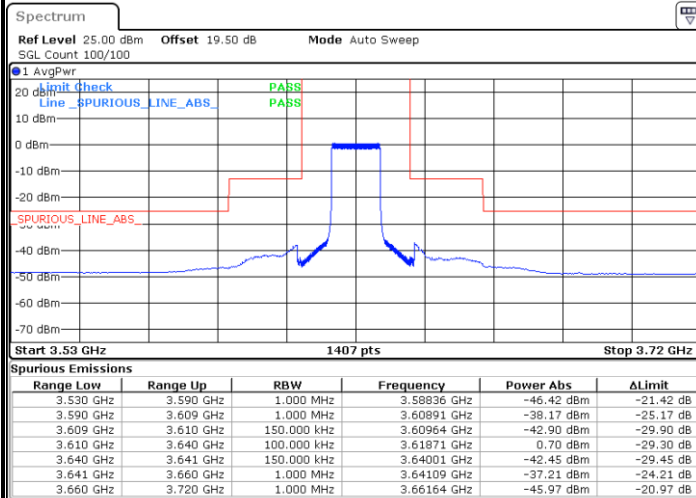
Date: 9.NOV.2023 09:05:58

Middle Channel / 1RBmax



Date: 9.NOV.2023 09:15:46

Middle Channel / FullRB



Date: 9.NOV.2023 08:56:51

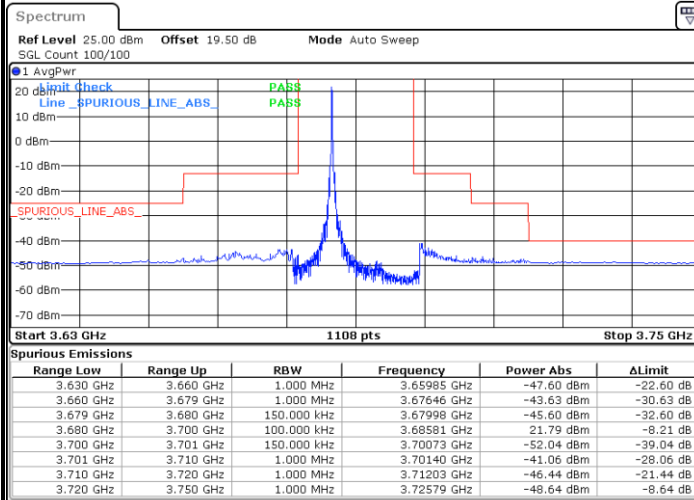
N/A



LTE Band 48 / 15MHz

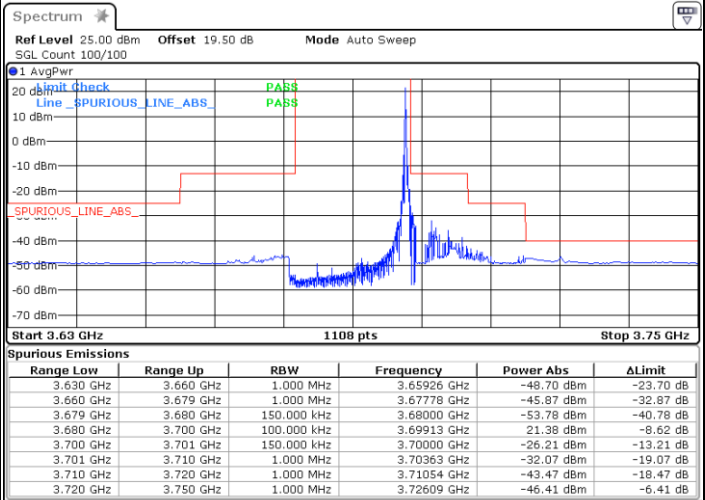
16QAM

Highest Channel / 1RB0



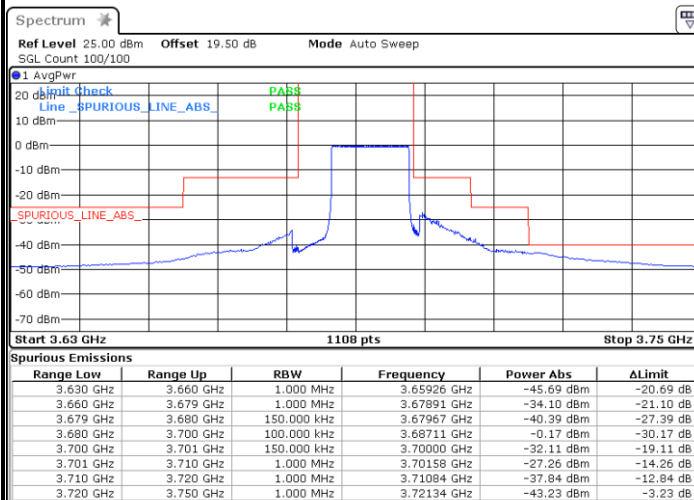
Date: 9.NOV.2023 19:11:28

Highest Channel / 1RBmax



Date: 9.NOV.2023 19:17:33

Highest Channel / FullRB



Date: 9.NOV.2023 19:37:56

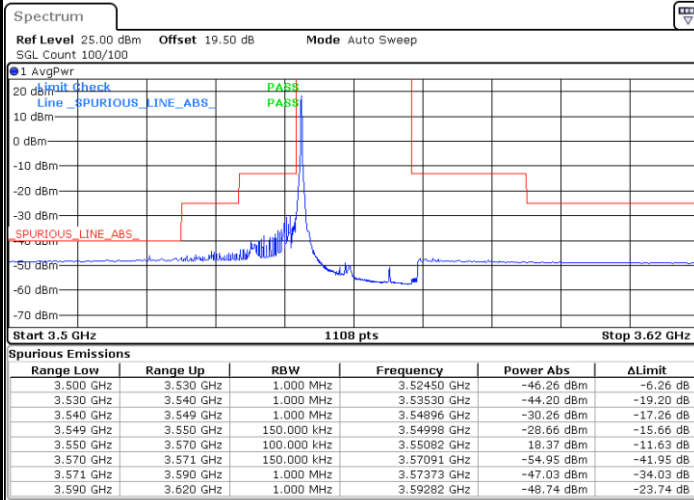
N/A



LTE Band 48 / 15MHz

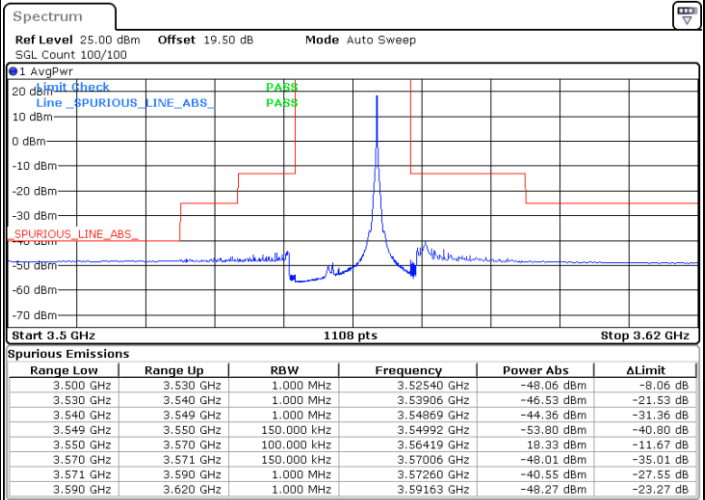
64QAM

Lowest Channel / 1RB0



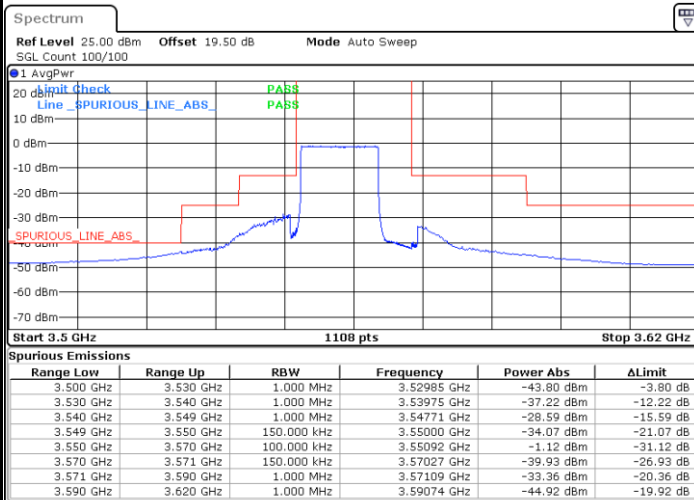
Date: 9.NOV.2023 18:47:46

Lowest Channel / 1RBmax



Date: 9.NOV.2023 18:55:08

Lowest Channel / FullIRB



Date: 9.NOV.2023 18:56:36

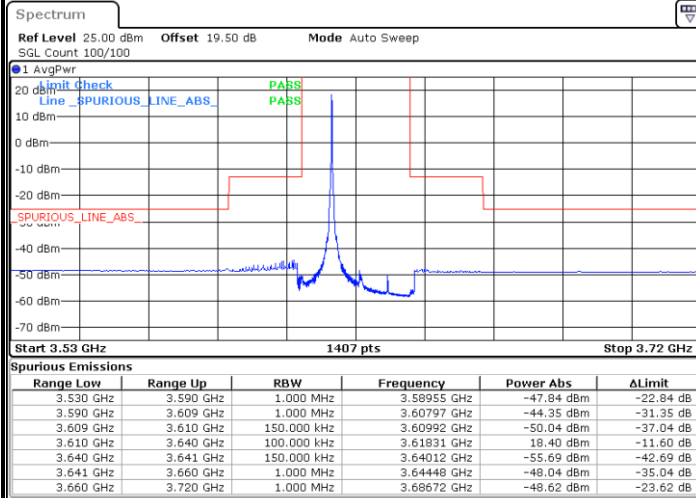
N/A



LTE Band 48 / 15MHz

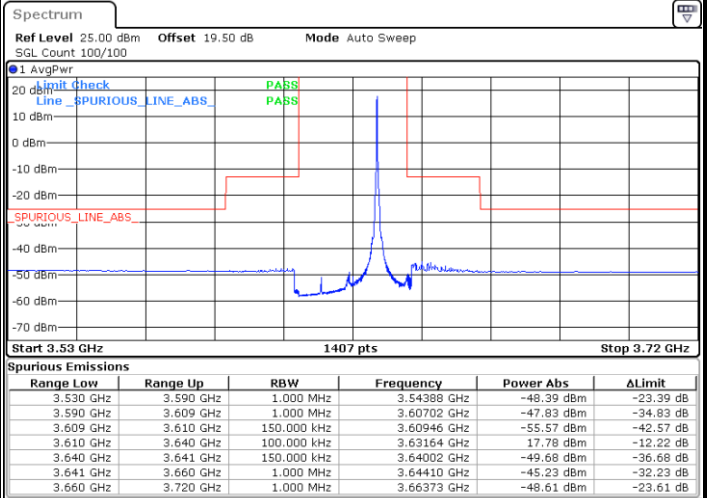
64QAM

Middle Channel / 1RB0



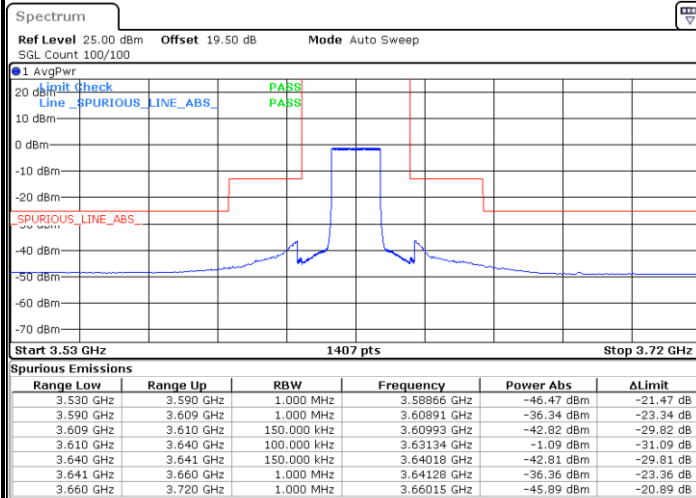
Date: 9.NOV.2023 09:07:41

Middle Channel / 1RBmax



Date: 9.NOV.2023 09:17:17

Middle Channel / FullRB



Date: 9.NOV.2023 09:00:40

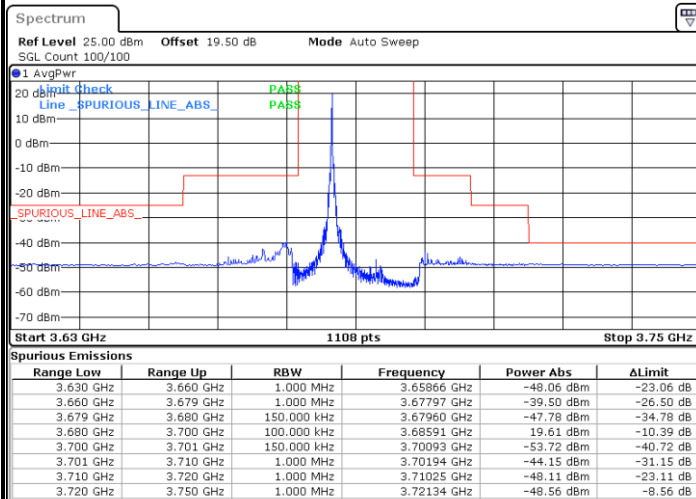
N/A



LTE Band 48 / 15MHz

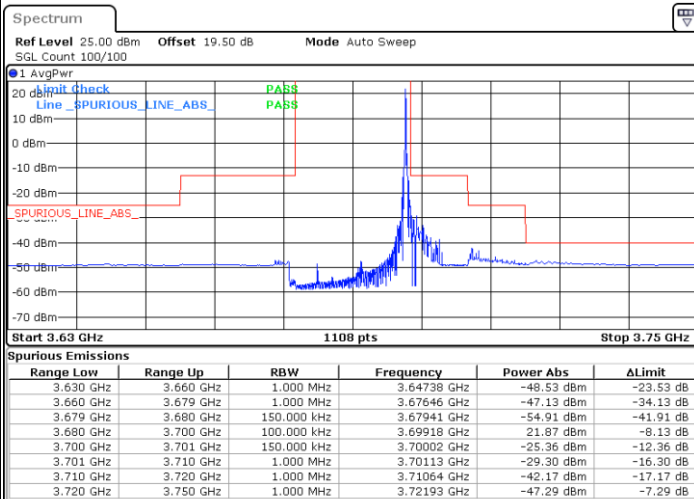
64QAM

Highest Channel / 1RB0



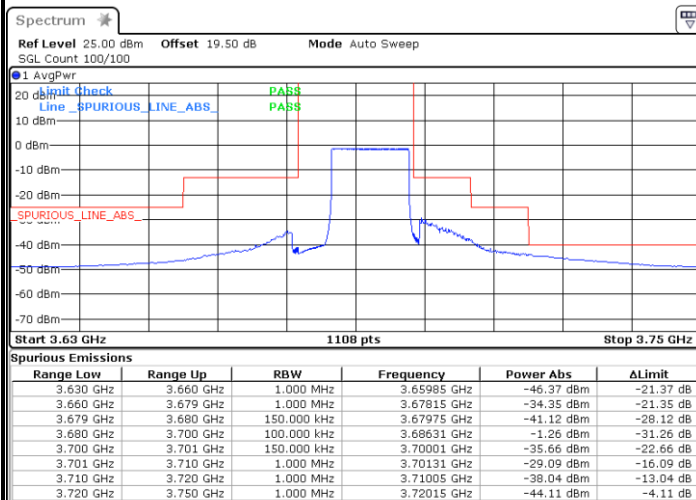
Date: 9.NOV.2023 19:10:00

Highest Channel / 1RBmax



Date: 9.NOV.2023 09:19:04

Highest Channel / FullRB



Date: 9.NOV.2023 19:54:58

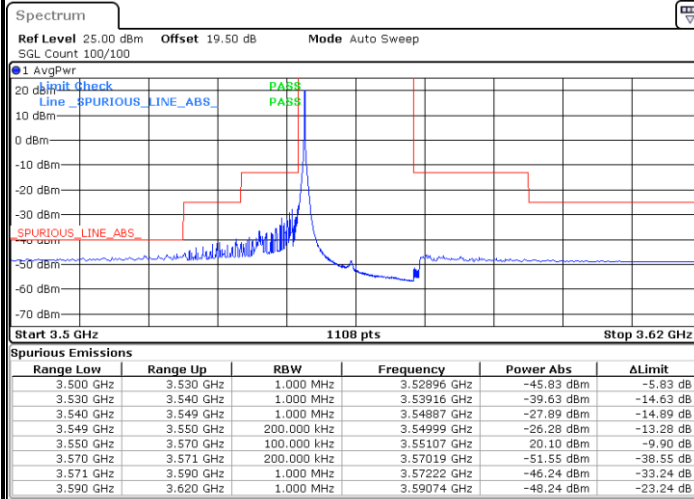
N/A



LTE Band 48 / 20MHz

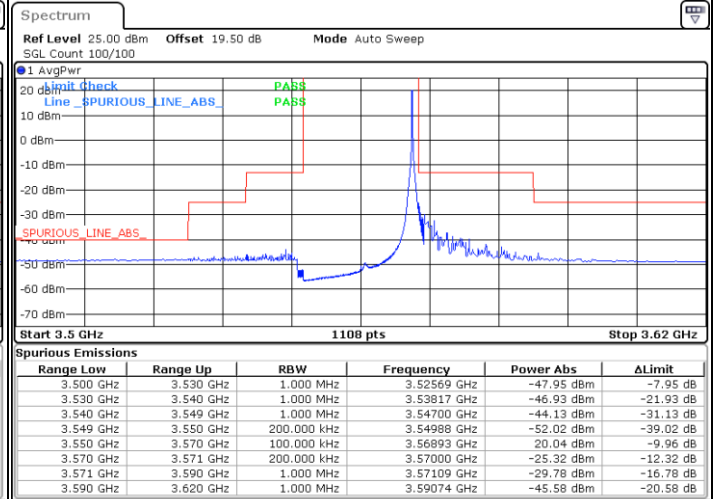
QPSK

Lowest Channel / 1RB0



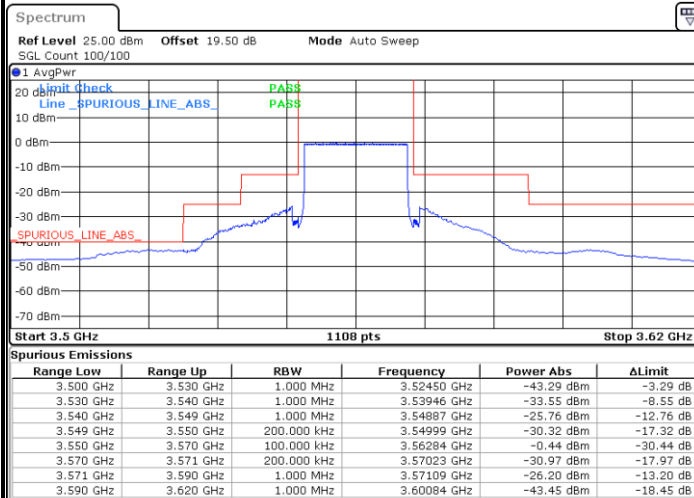
Date: 9.NOV.2023 15:38:23

Lowest Channel / 1RBmax



Date: 9.NOV.2023 16:06:09

Lowest Channel / FullIRB



Date: 9.NOV.2023 16:24:50

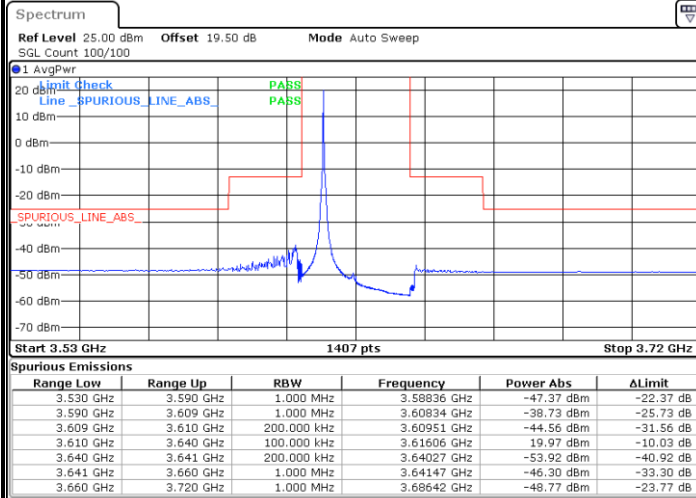
N/A



LTE Band 48 / 20MHz

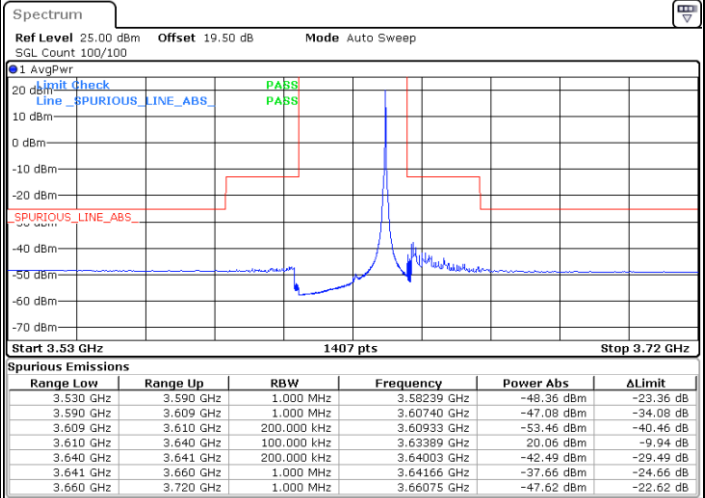
QPSK

Middle Channel / 1RB0



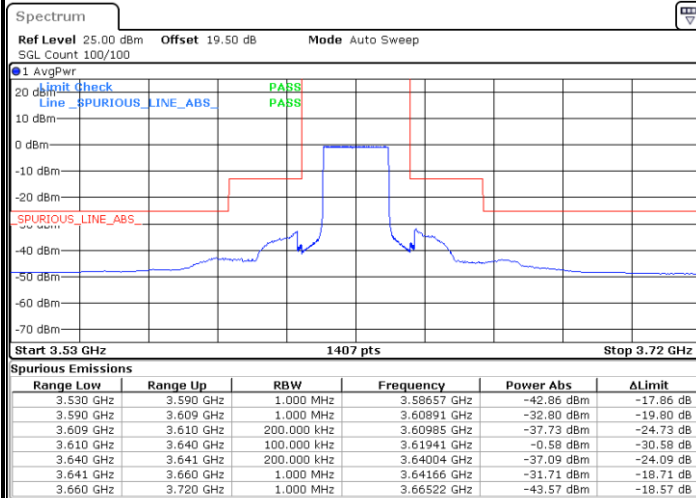
Date: 9.NOV.2023 15:52:38

Middle Channel / 1RBmax



Date: 9.NOV.2023 16:12:02

Middle Channel / FullRB



Date: 9.NOV.2023 16:38:09

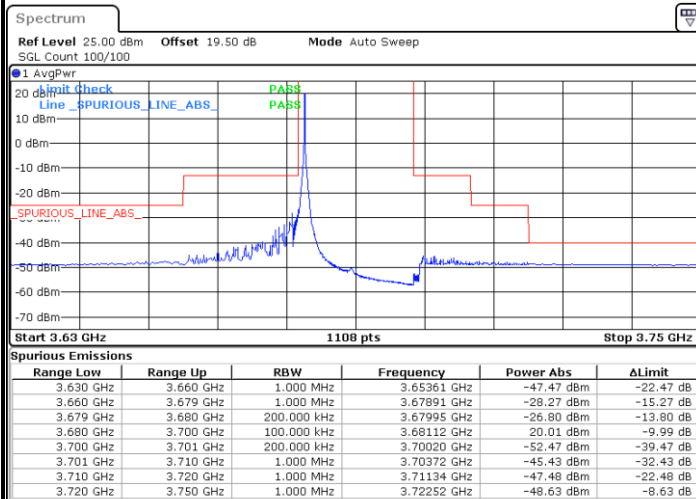
N/A



LTE Band 48 / 20MHz

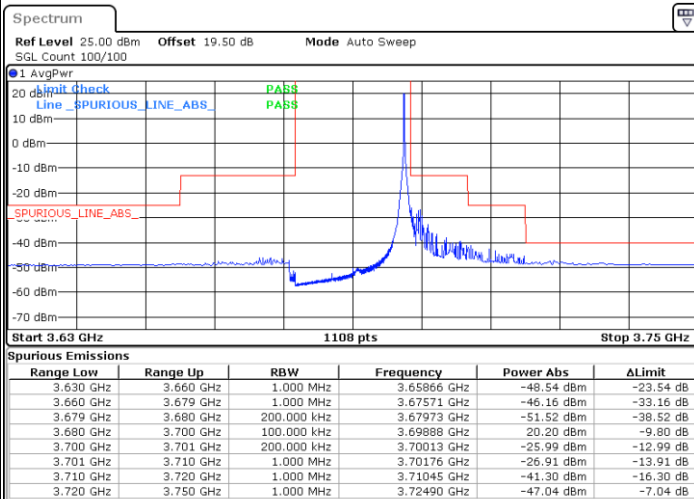
QPSK

Highest Channel / 1RB0



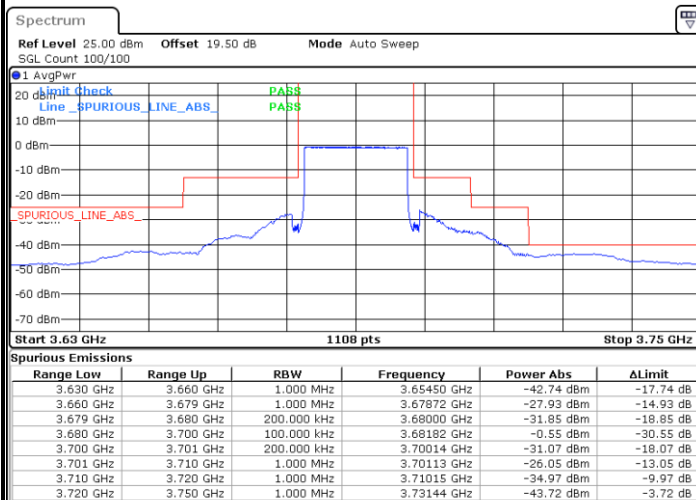
Date: 9.NOV.2023 15:59:01

Highest Channel / 1RBmax



Date: 9.NOV.2023 16:18:28

Highest Channel / FullRB



Date: 9.NOV.2023 16:48:31

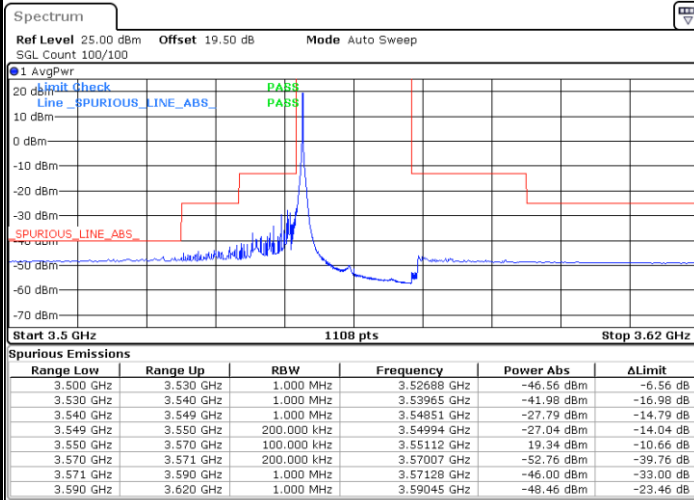
N/A



LTE Band 48 / 20MHz

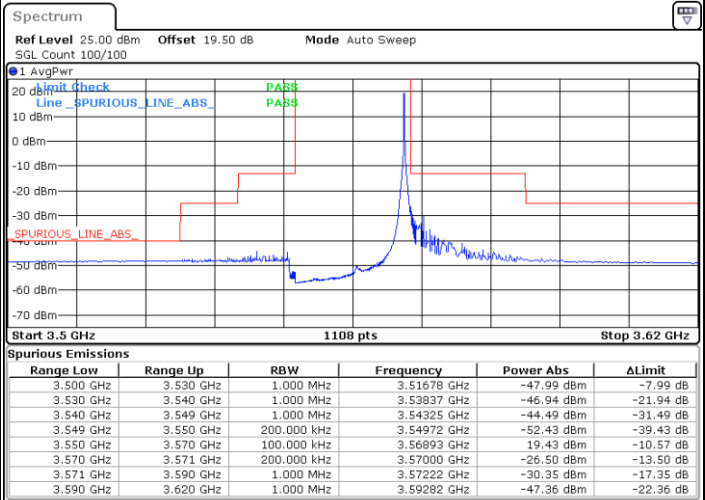
16QAM

Lowest Channel / 1RB0



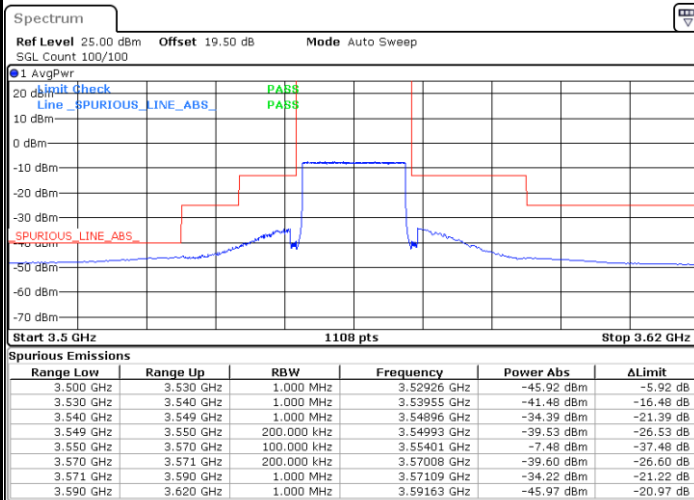
Date: 9.NOV.2023 15:40:28

Lowest Channel / 1RBmax



Date: 9.NOV.2023 16:07:48

Lowest Channel / FullIRB



Date: 28.NOV.2023 11:32:20

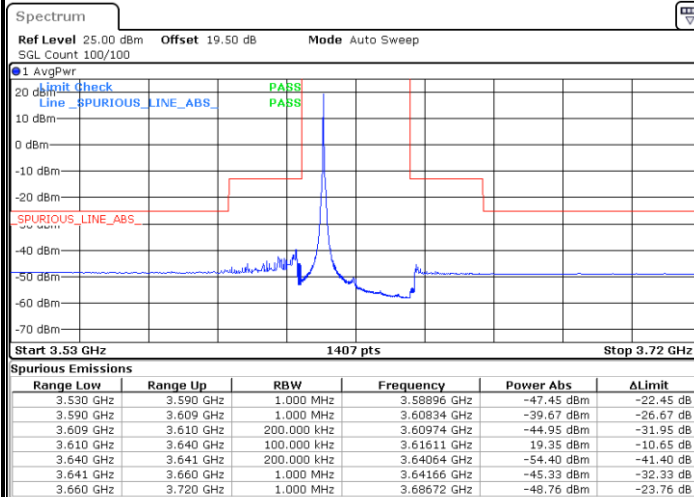
N/A



LTE Band 48 / 20MHz

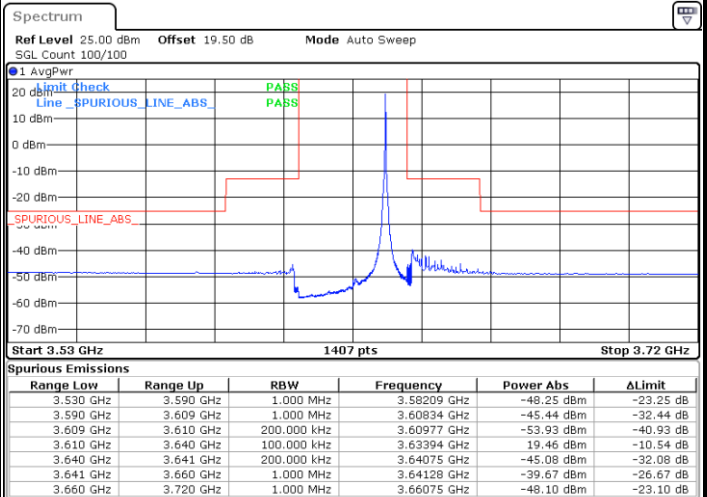
16QAM

Middle Channel / 1RB0



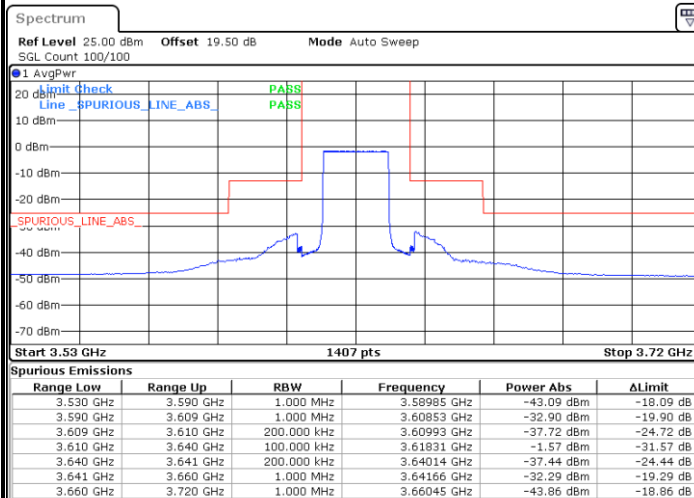
Date: 9.NOV.2023 15:54:39

Middle Channel / 1RBmax



Date: 9.NOV.2023 16:14:12

Middle Channel / FullRB



Date: 9.NOV.2023 16:45:14

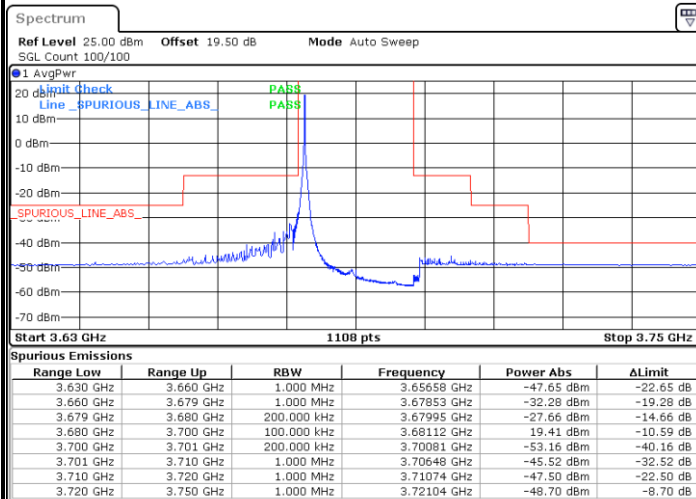
N/A



LTE Band 48 / 20MHz

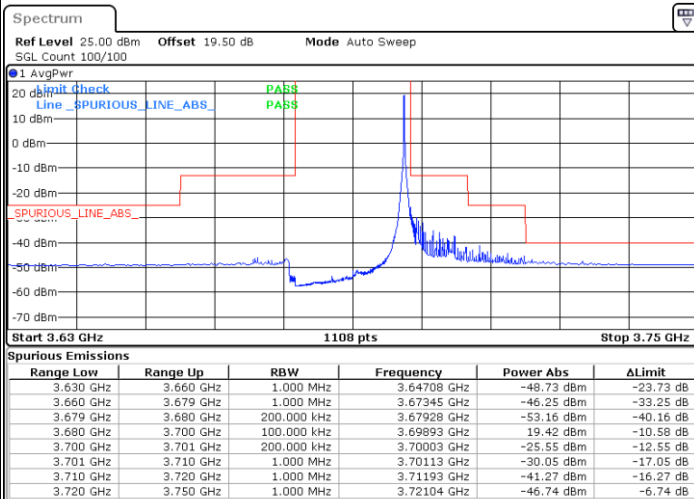
16QAM

Highest Channel / 1RB0



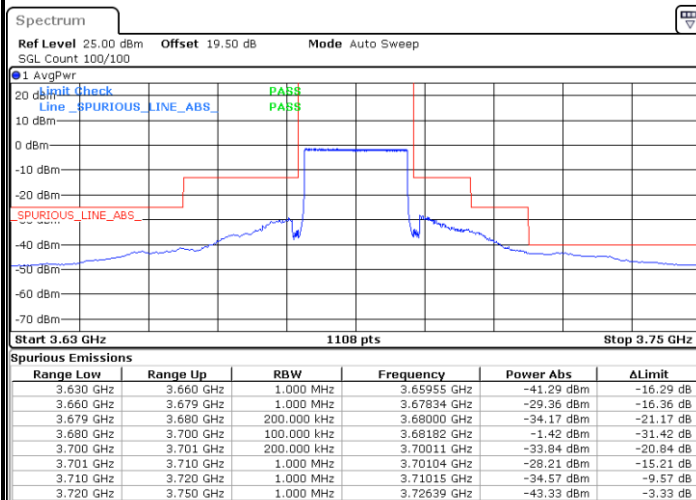
Date: 9.NOV.2023 16:01:03

Highest Channel / 1RBmax



Date: 9.NOV.2023 16:20:19

Highest Channel / FullRB



Date: 9.NOV.2023 16:50:21

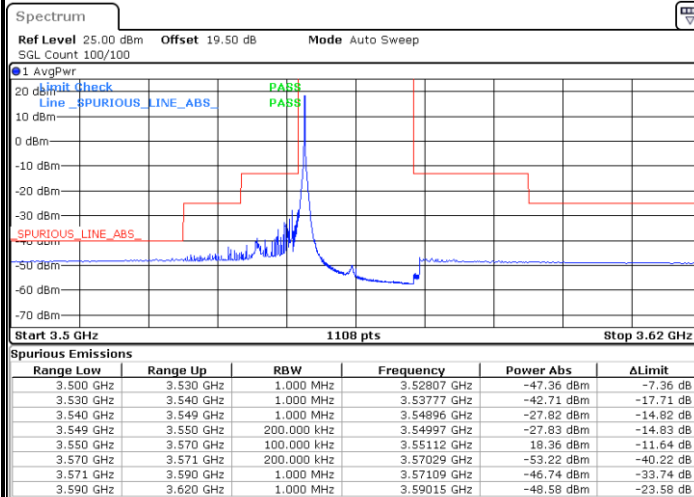
N/A



LTE Band 48 / 20MHz

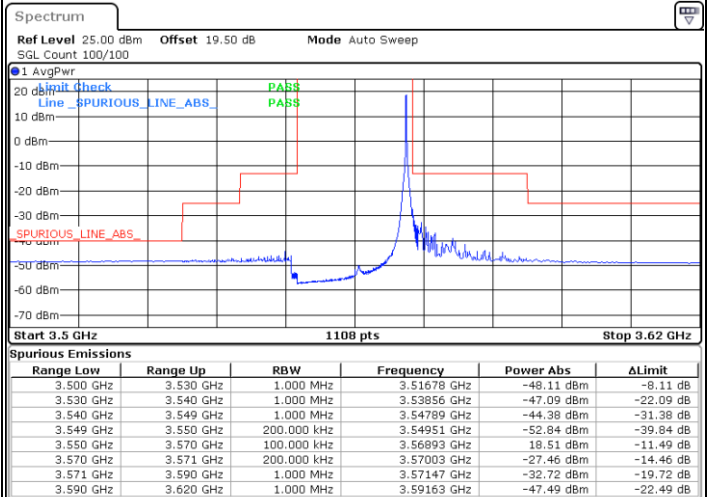
64QAM

Lowest Channel / 1RB0



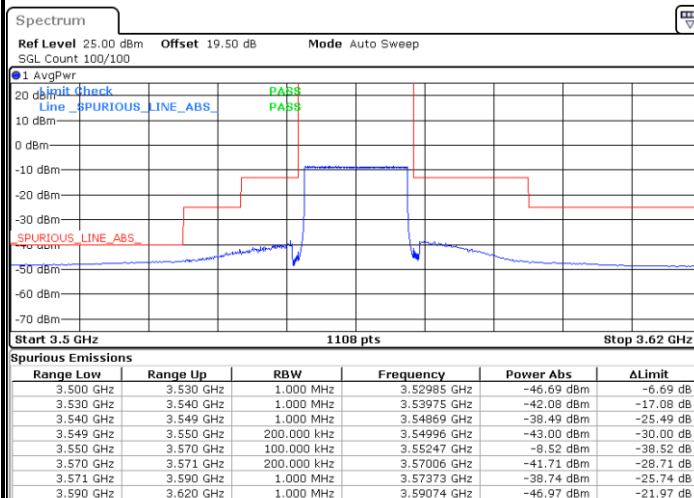
Date: 9.NOV.2023 15:50:36

Lowest Channel / 1RBmax



Date: 9.NOV.2023 16:09:39

Lowest Channel / FullRB



Date: 28.NOV.2023 11:34:01

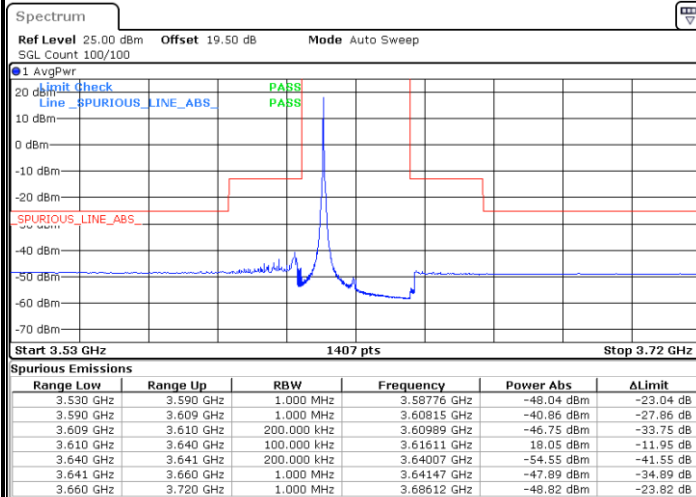
N/A



LTE Band 48 / 20MHz

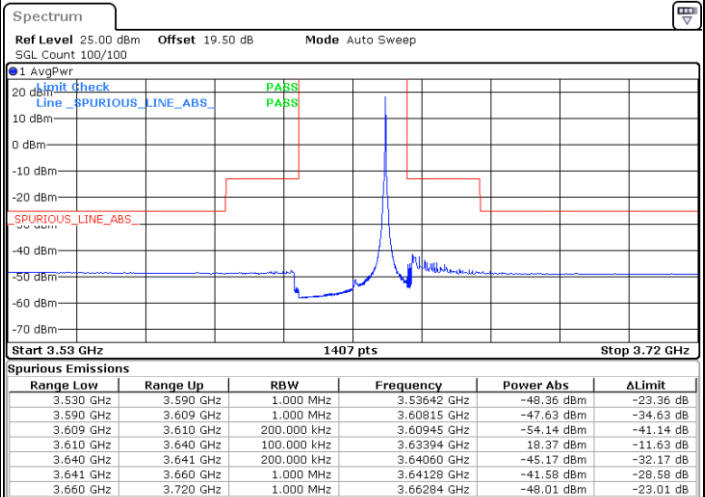
64QAM

Middle Channel / 1RB0



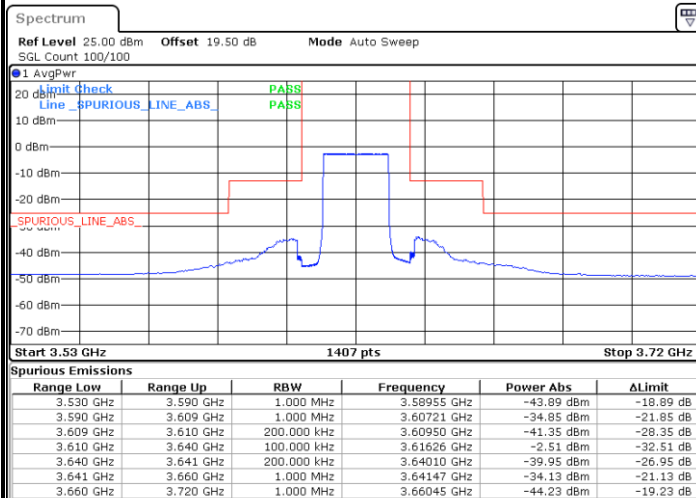
Date: 9.NOV.2023 15:56:59

Middle Channel / 1RBmax



Date: 9.NOV.2023 16:16:20

Middle Channel / FullRB



Date: 9.NOV.2023 16:41:51

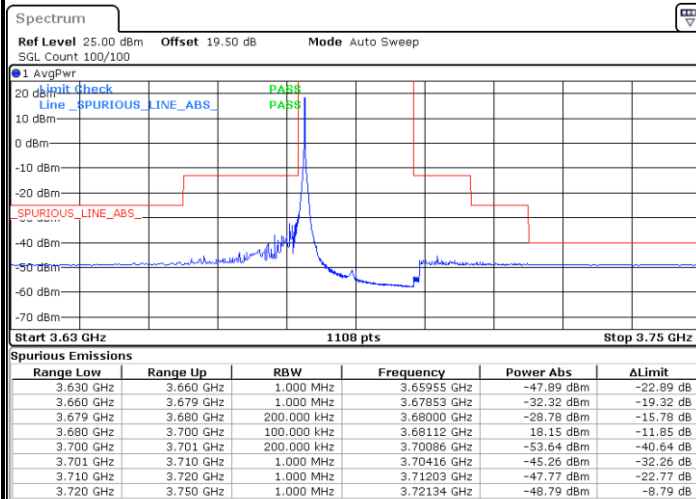
N/A



LTE Band 48 / 20MHz

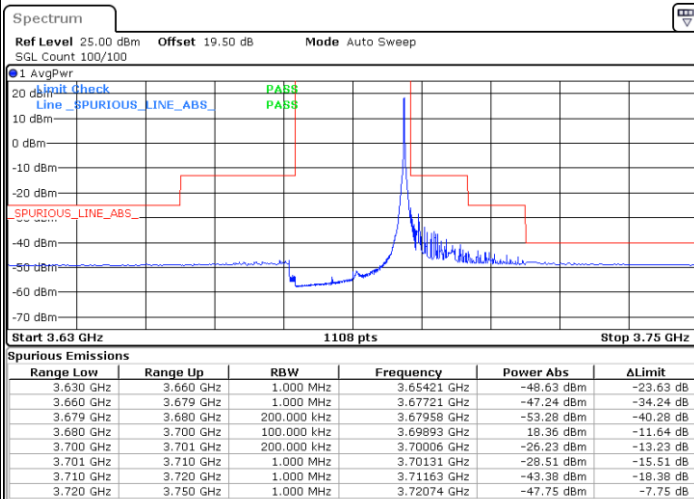
64QAM

Highest Channel / 1RB0



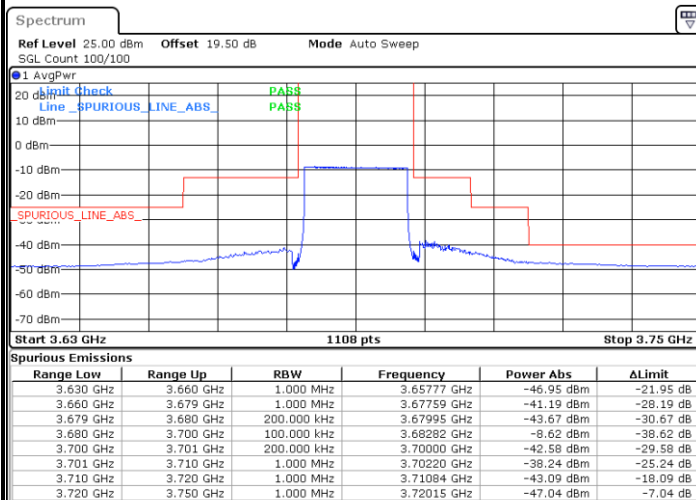
Date: 9.NOV.2023 16:03:08

Highest Channel / 1RBmax



Date: 9.NOV.2023 16:22:23

Highest Channel / FullRB



Date: 28.NOV.2023 11:36:14

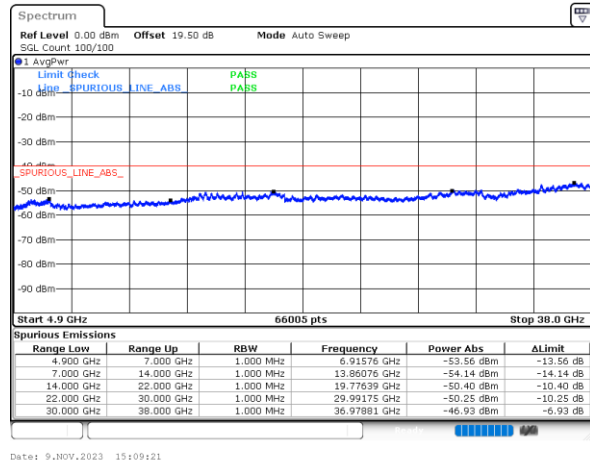
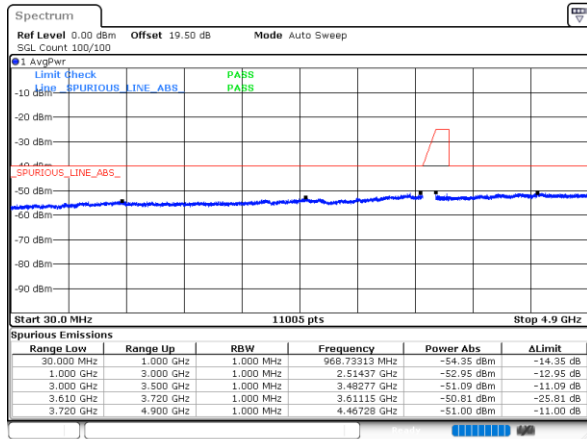
N/A



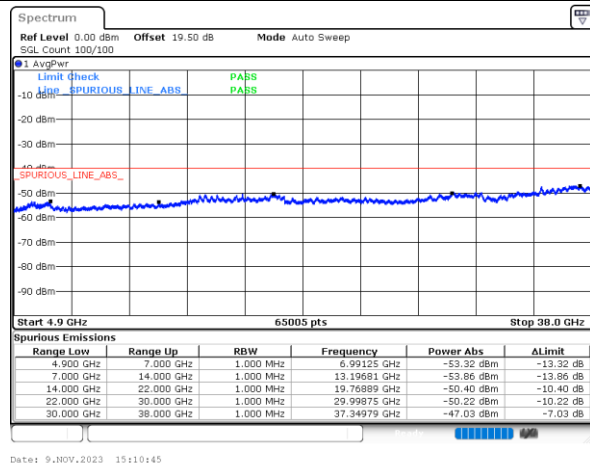
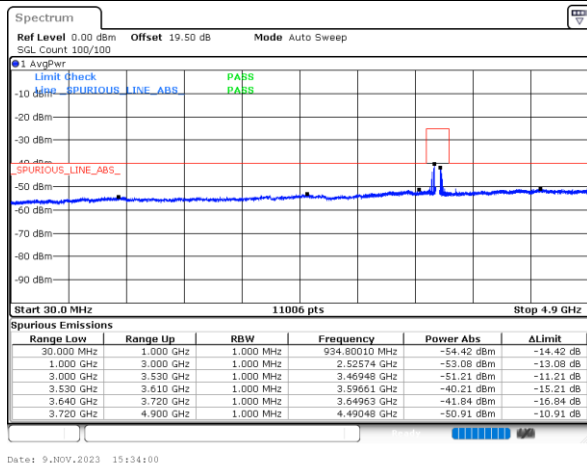
Conducted Spurious Emission

LTE Band 48 / 5MHz

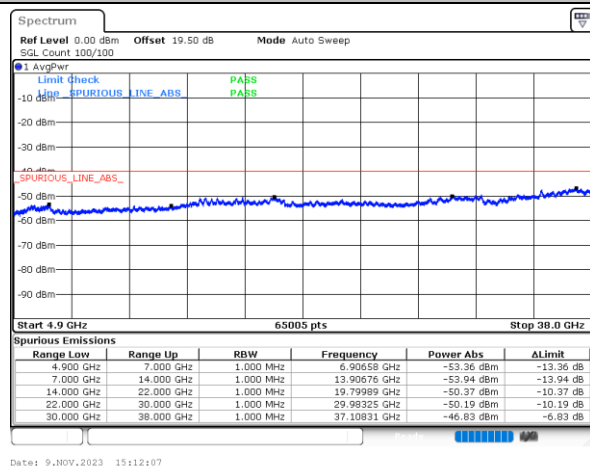
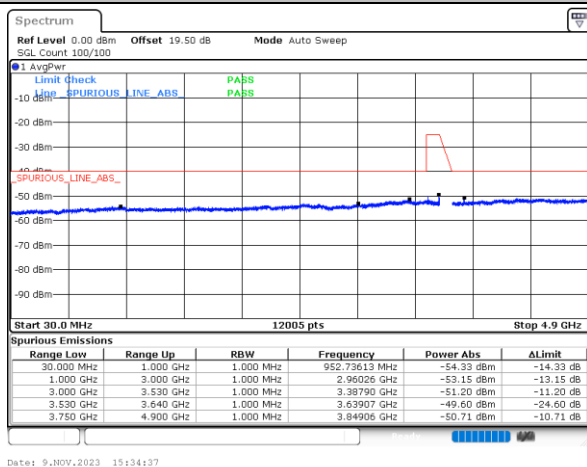
Lowest Channel / QPSK



Middle Channel / QPSK



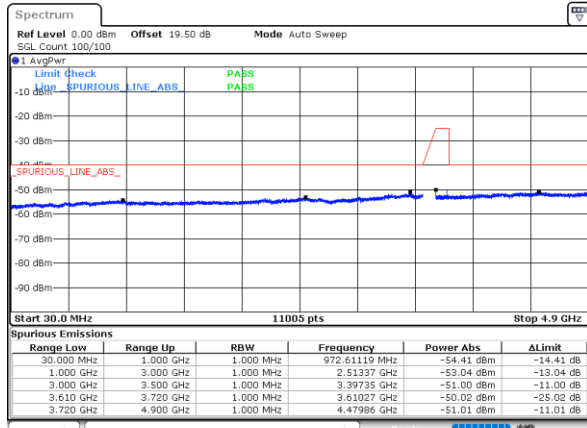
Highest Channel / QPSK



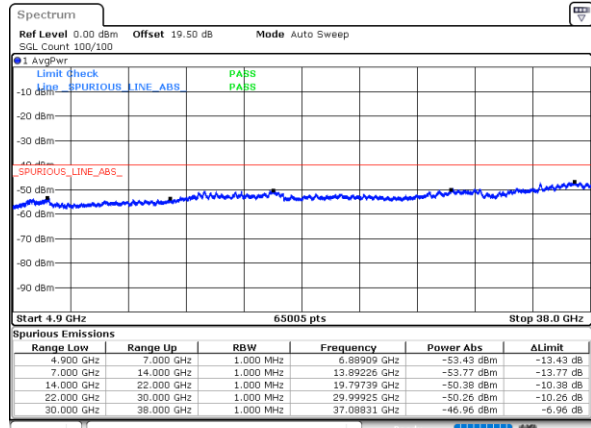


LTE Band 48 / 10MHz

Lowest Channel / QPSK

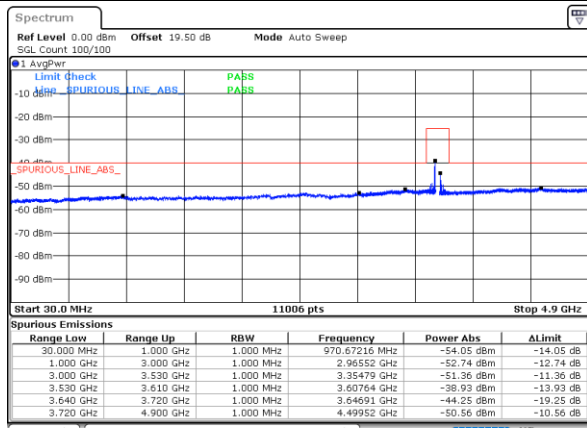


Date: 9.NOV.2023 15:14:46

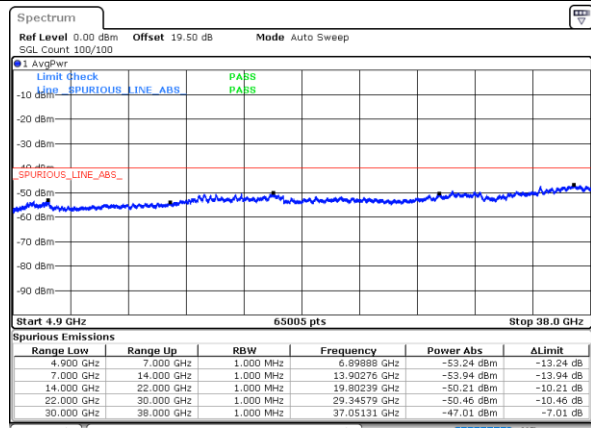


Date: 9.NOV.2023 15:14:13

Middle Channel / QPSK

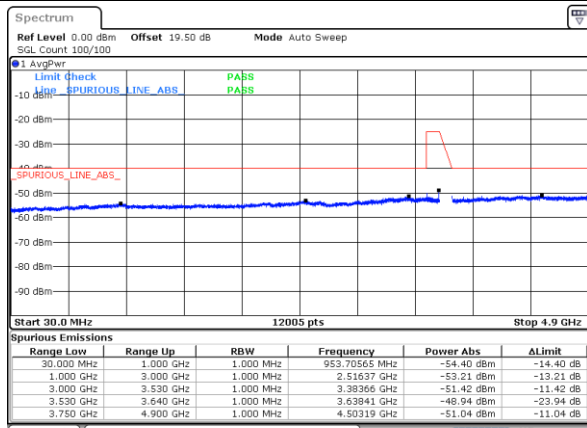


Date: 29.NOV.2023 11:45:55

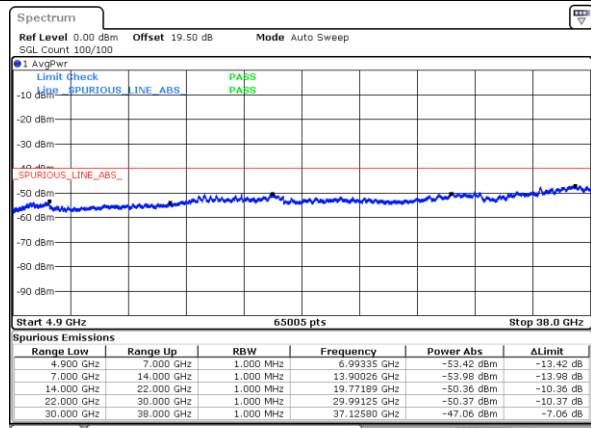


Date: 9.NOV.2023 15:15:36

Highest Channel / QPSK



Date: 9.NOV.2023 15:32:50

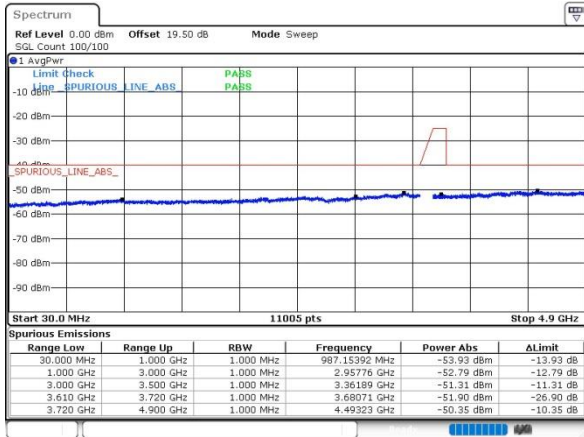


Date: 9.NOV.2023 15:16:47

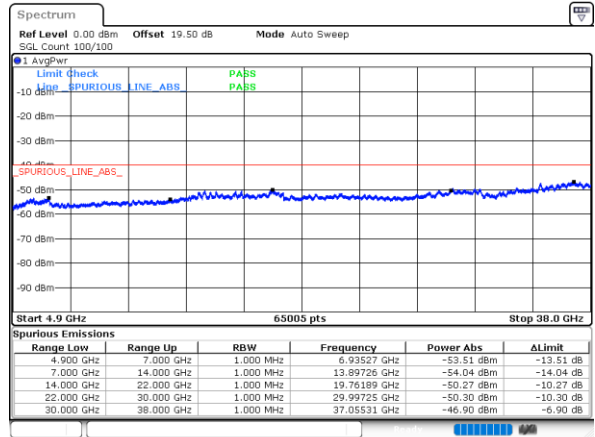


LTE Band 48 / 15MHz

Lowest Channel / QPSK

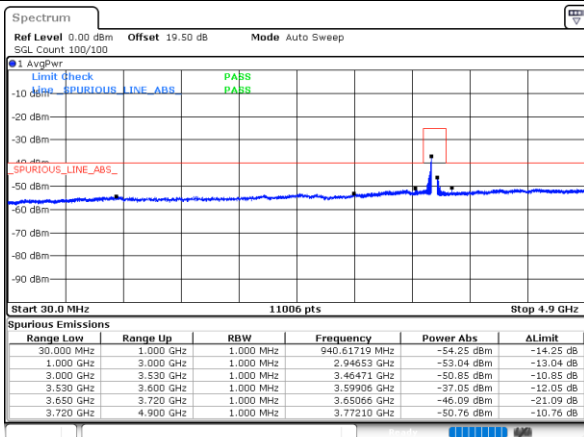


Date: 30.NOV.2023 00:39:39

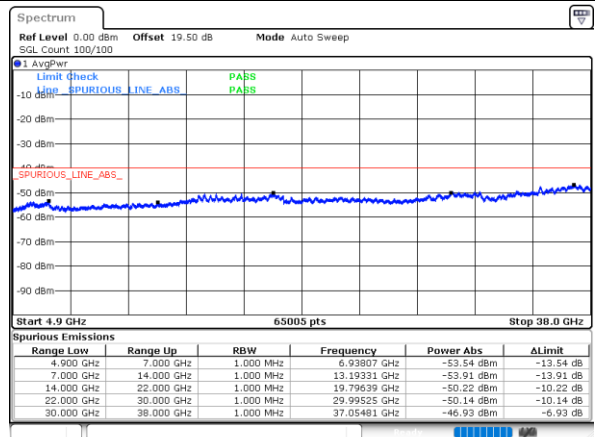


Date: 9.NOV.2023 15:03:40

Middle Channel / QPSK

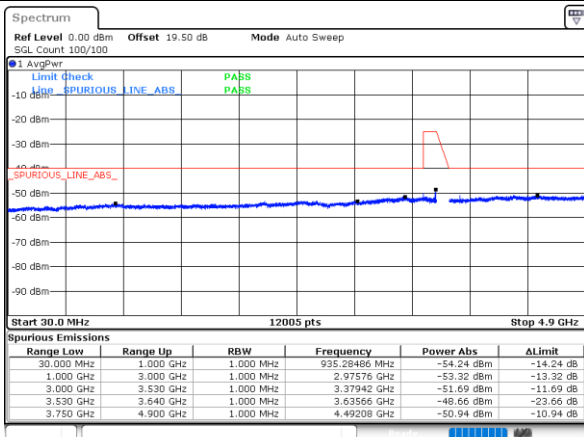


Date: 9.NOV.2023 15:30:20

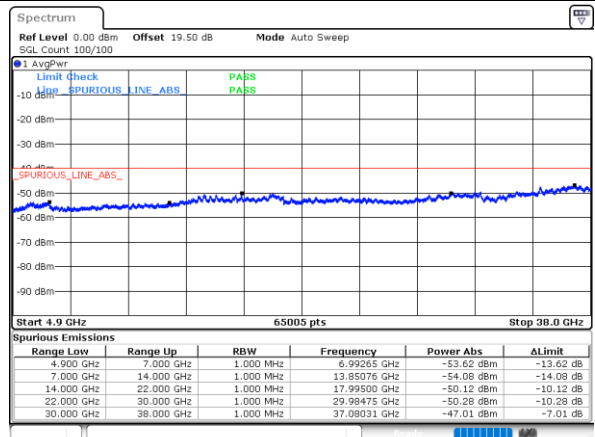


Date: 9.NOV.2023 15:05:01

Highest Channel / QPSK



Date: 9.NOV.2023 15:30:50

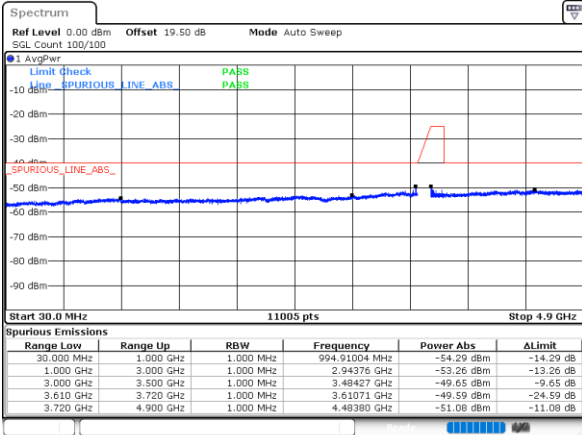


Date: 9.NOV.2023 15:07:41

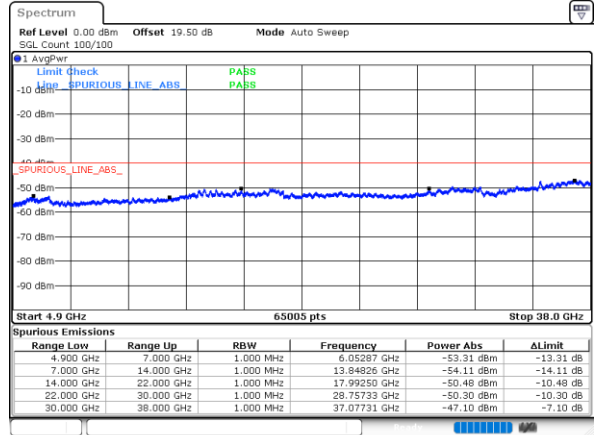


LTE Band 48 / 20MHz

Lowest Channel / QPSK

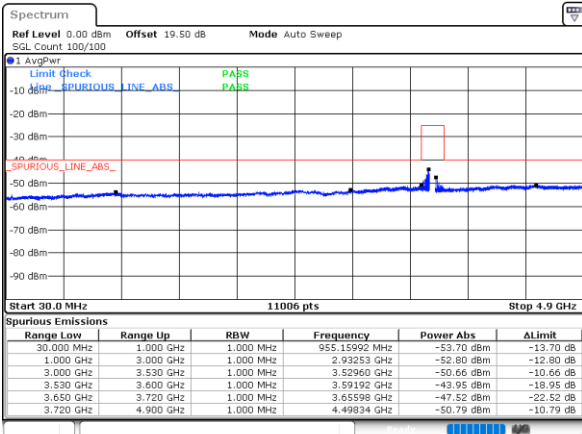


Date: 9.NOV.2023 15:27:25

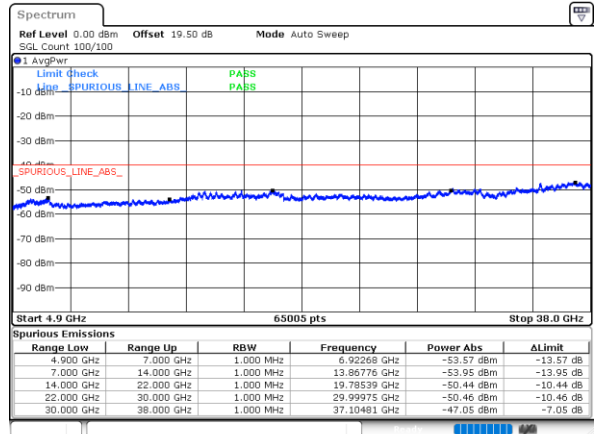


Date: 9.NOV.2023 15:20:11

Middle Channel / QPSK

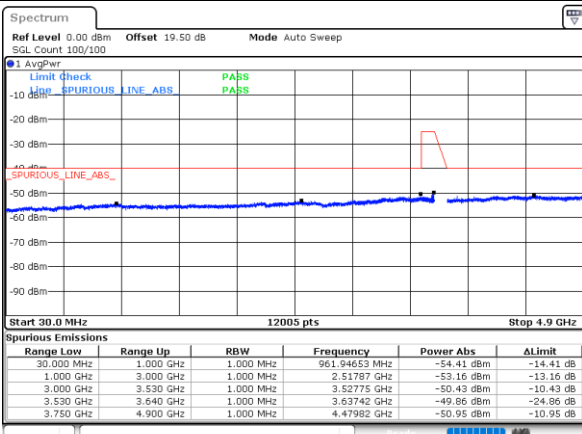


Date: 29.NOV.2023 11:42:44

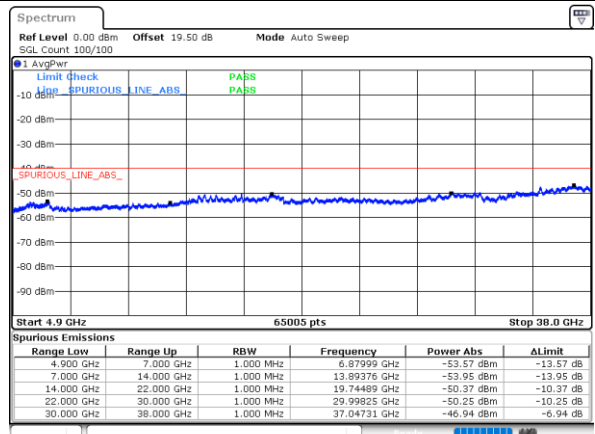


Date: 9.NOV.2023 15:21:30

Highest Channel / QPSK



Date: 9.NOV.2023 15:25:34



Date: 9.NOV.2023 15:22:49

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	0.0012	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0003	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0027	
20	Battery End Point	0.0005	

Note:

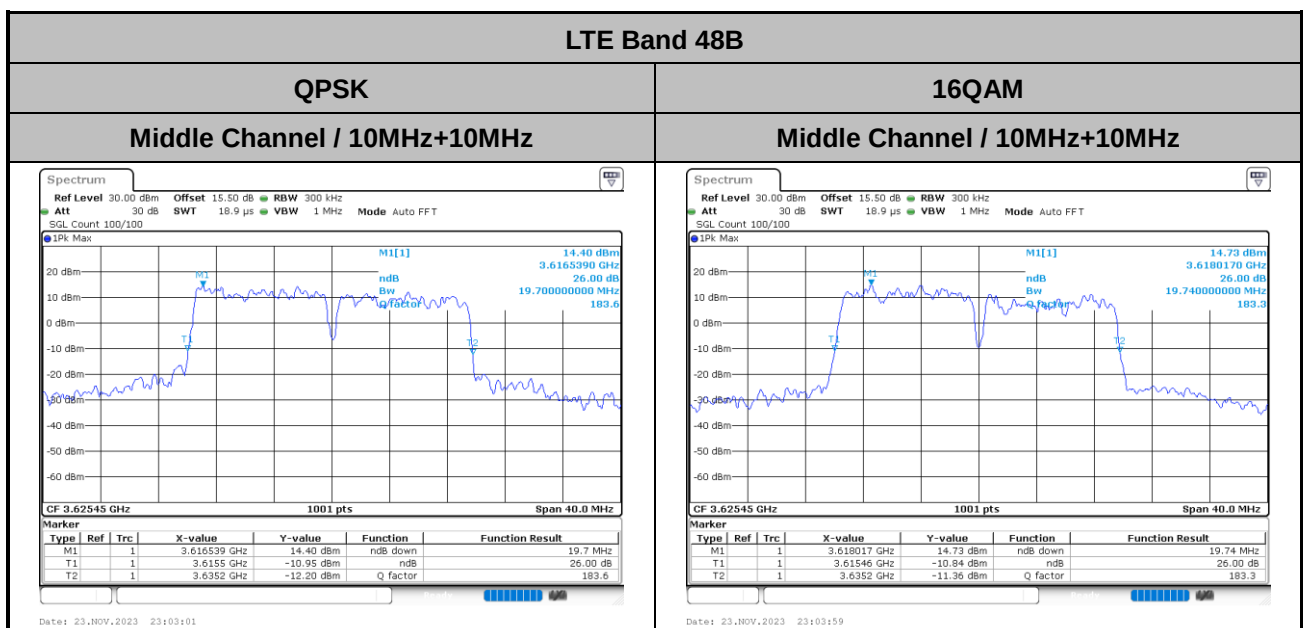
1. Normal Voltage = 7.78 V. ; Battery End Point (BEP) = 7.3 V. ; Maximum Voltage = 8.7 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band CA_48B

26dB Bandwidth

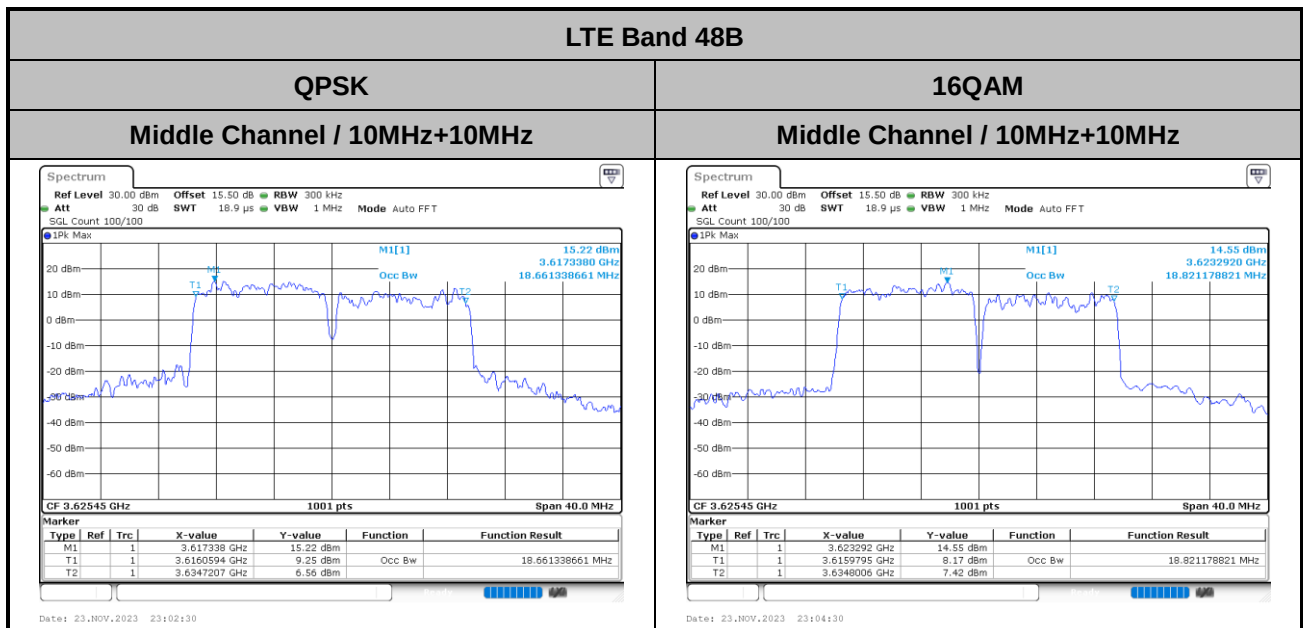
Mode	LTE Band 48B : 26dB BW(MHz)	
	10MHz+10MHz	
BW	QPSK	16QAM
Middle CH	19.70	19.74





Occupied Bandwidth

Mode	LTE Band 48B : 99%OBW(MHz)	
	10MHz+10MHz	
BW	QPSK	16QAM
Middle CH	18.66	18.82





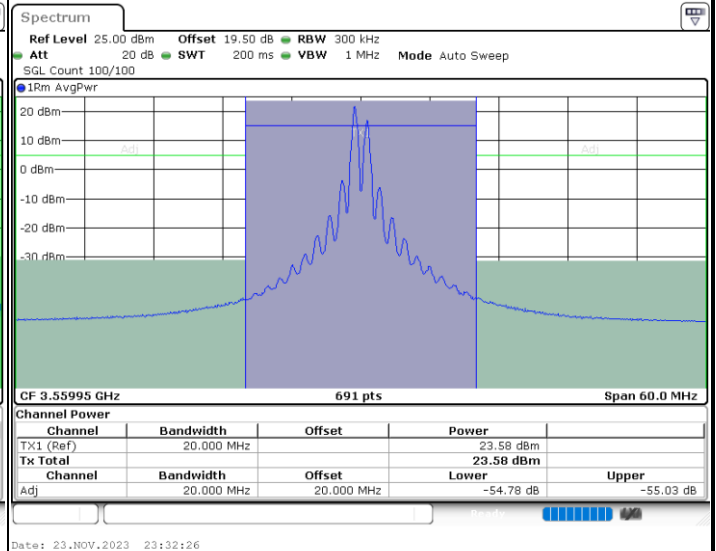
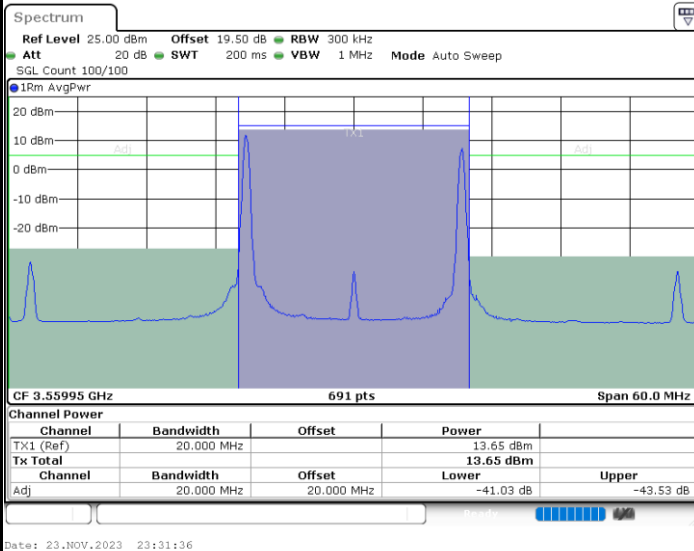
ACLR

LTE Band 48B / 10MHz+10MHz

QPSK

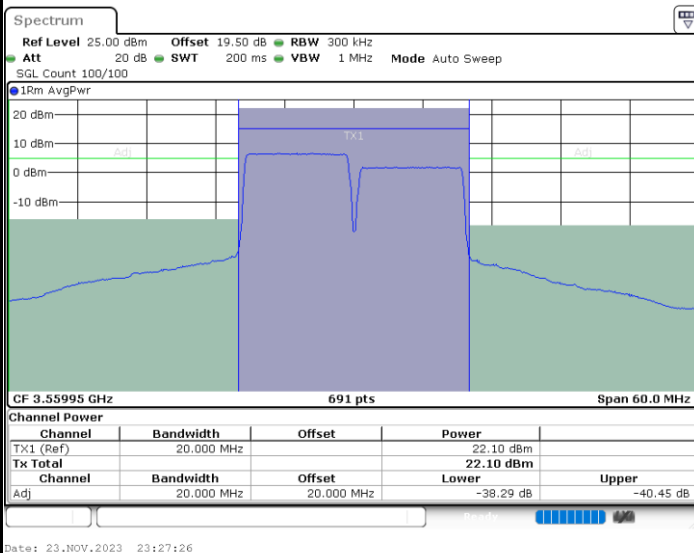
Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0



Lowest Channel / FullIRB

N/A



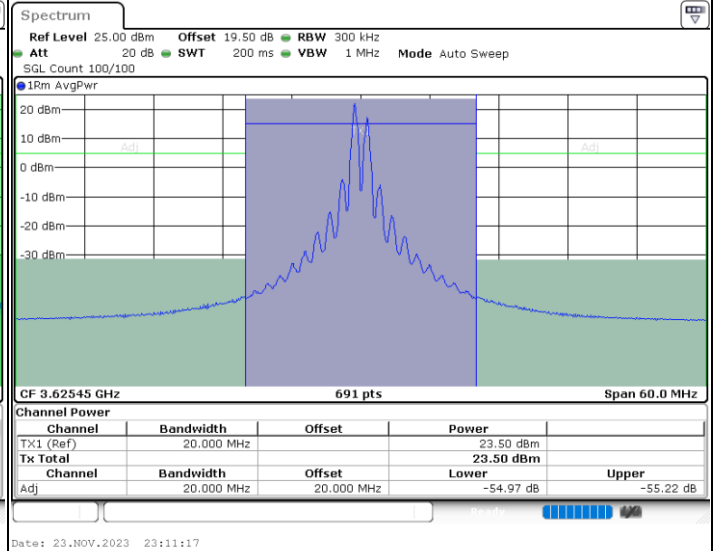
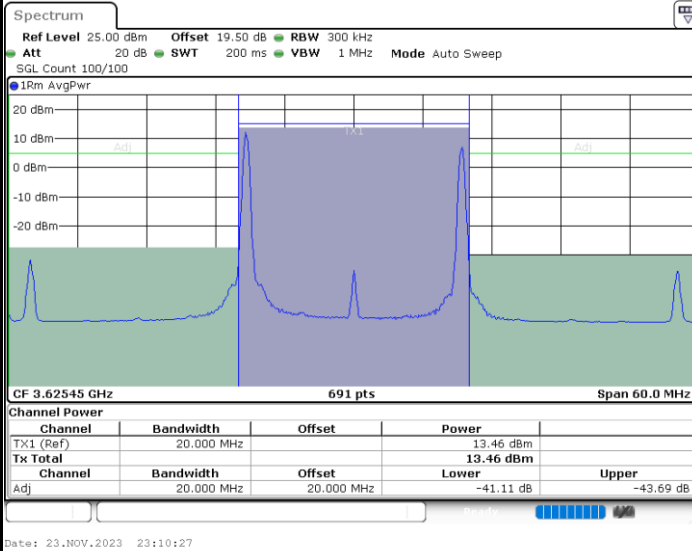


LTE Band 48B / 10MHz+10MHz

QPSK

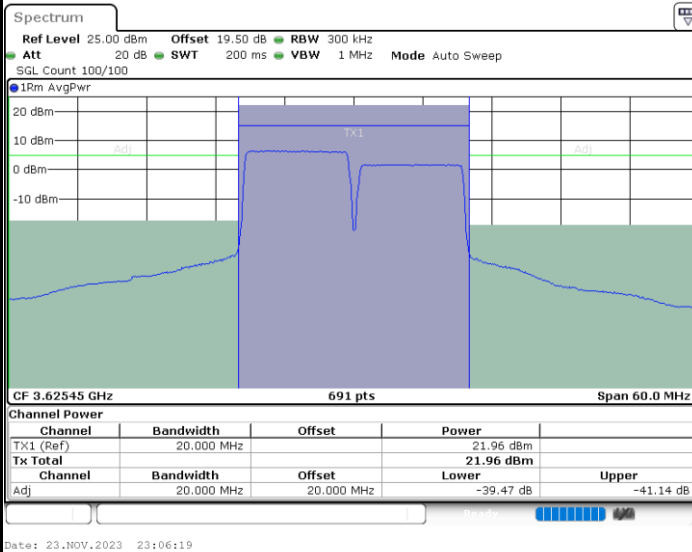
Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0



Middle Channel / FullRB

N/A



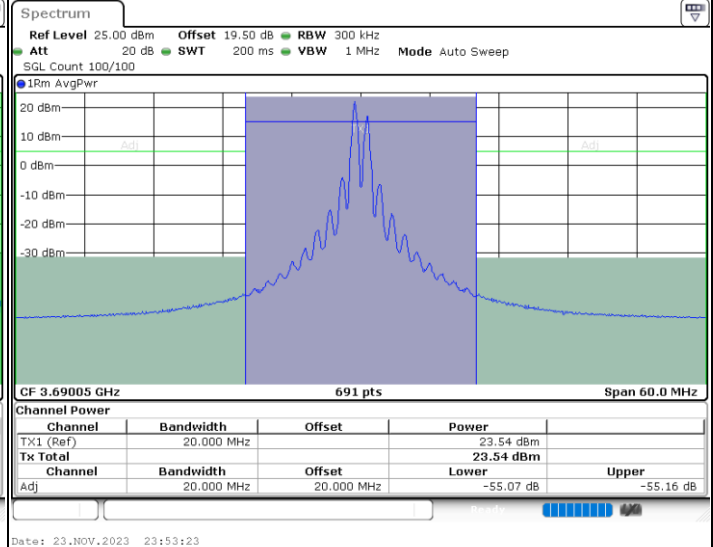
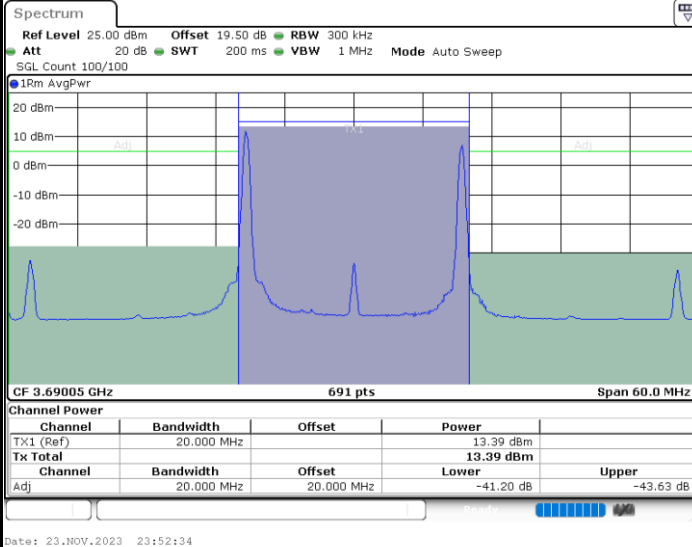


LTE Band 48B / 10MHz+10MHz

QPSK

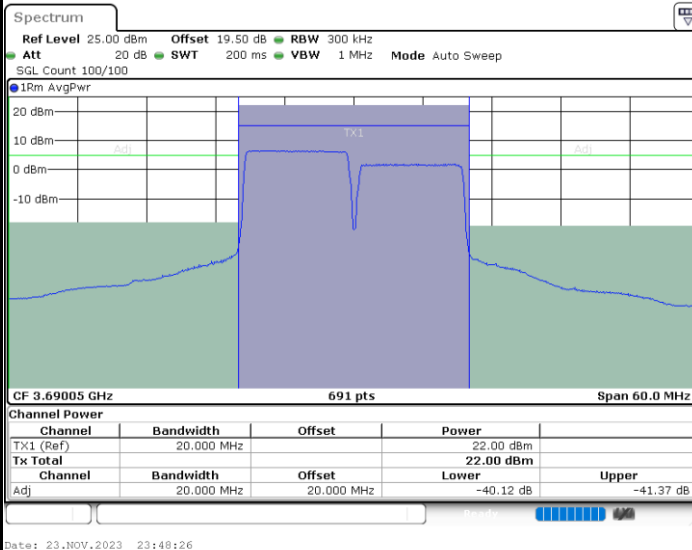
Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0



Highest Channel / FullRB

N/A



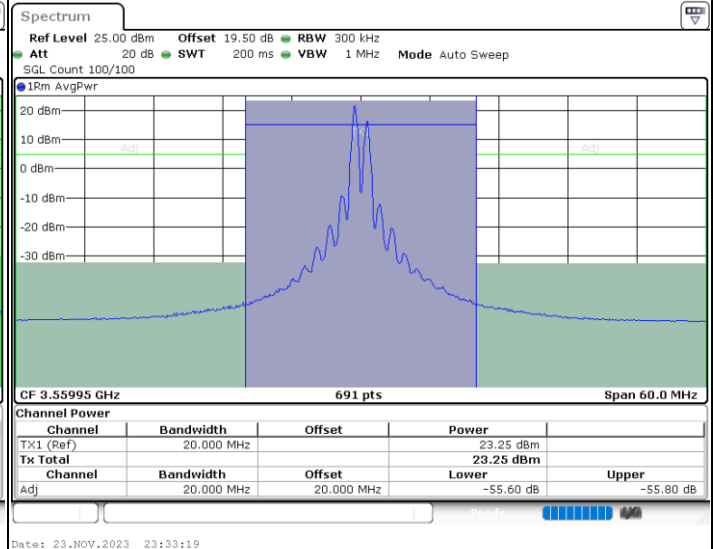
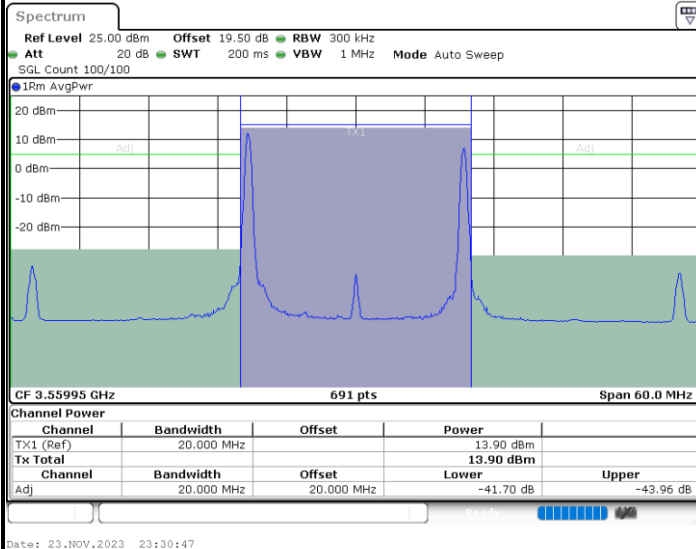


LTE Band 48B / 10MHz+10MHz

16QAM

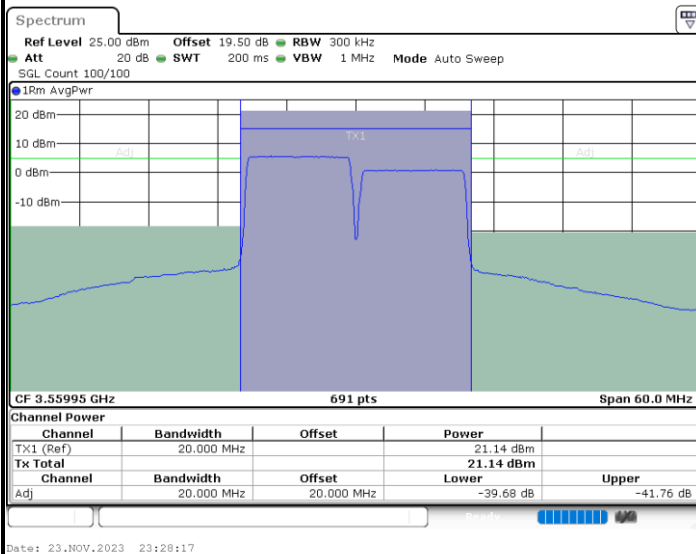
Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0



Lowest Channel / FullIRB

N/A



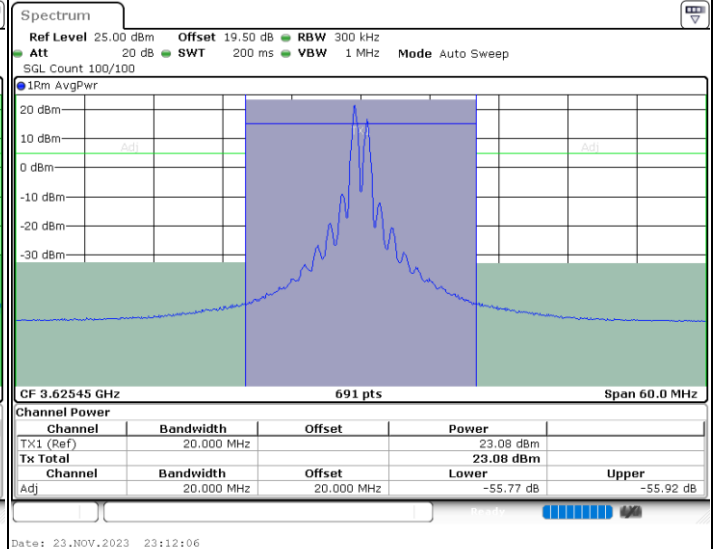
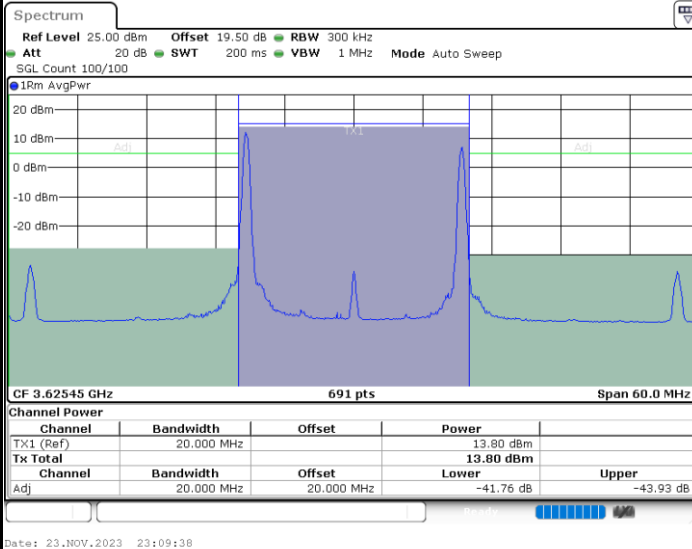


LTE Band 48B / 10MHz+10MHz

16QAM

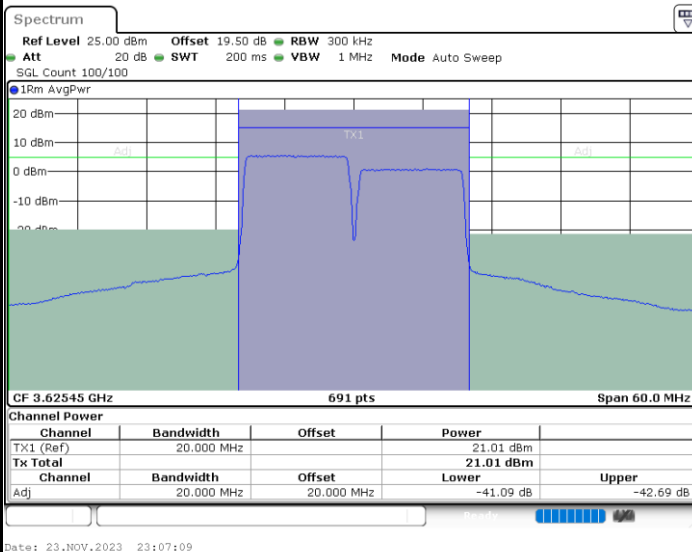
Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0



Middle Channel / FullRB

N/A



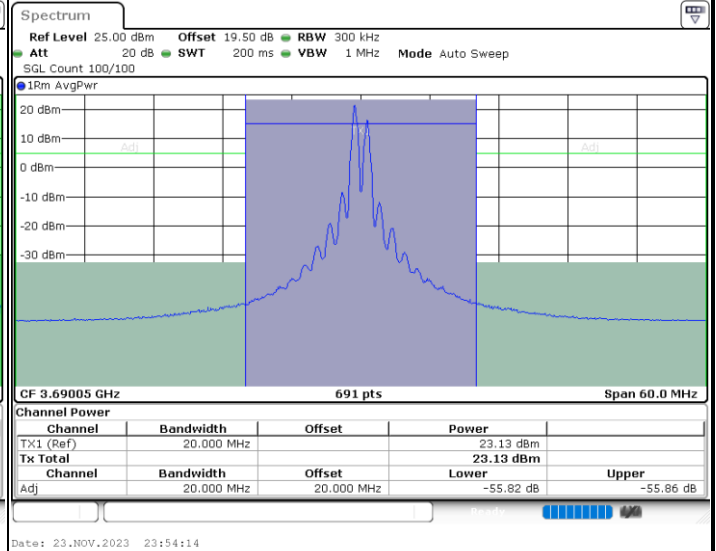
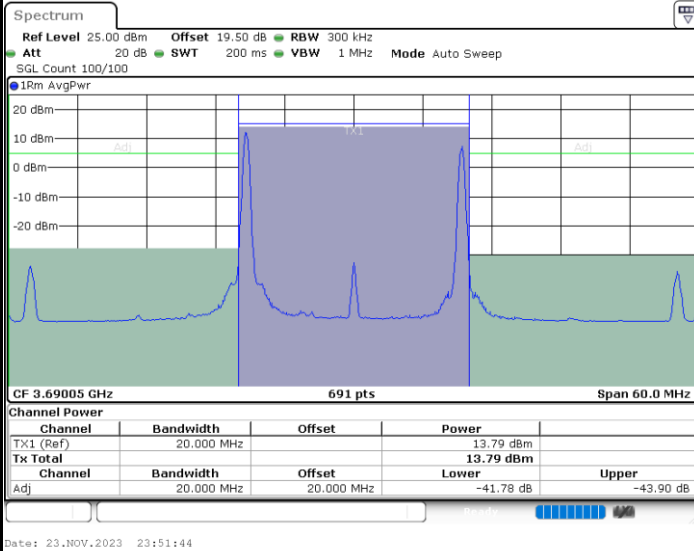


LTE Band 48B / 10MHz+10MHz

16QAM

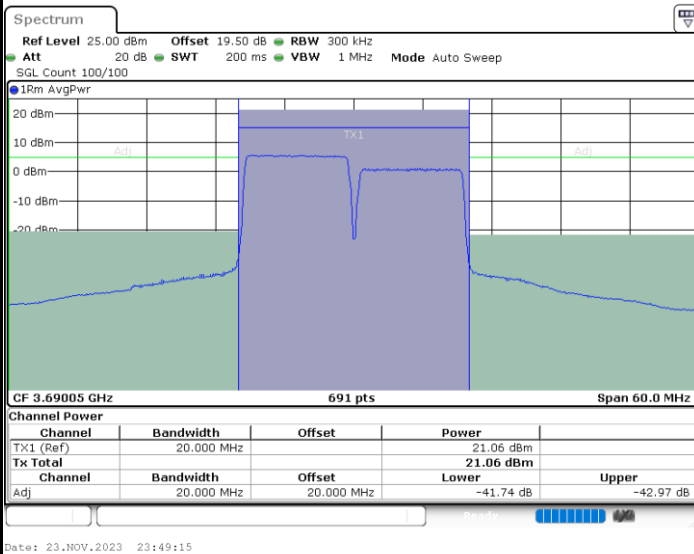
Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0



Highest Channel / FullRB

N/A



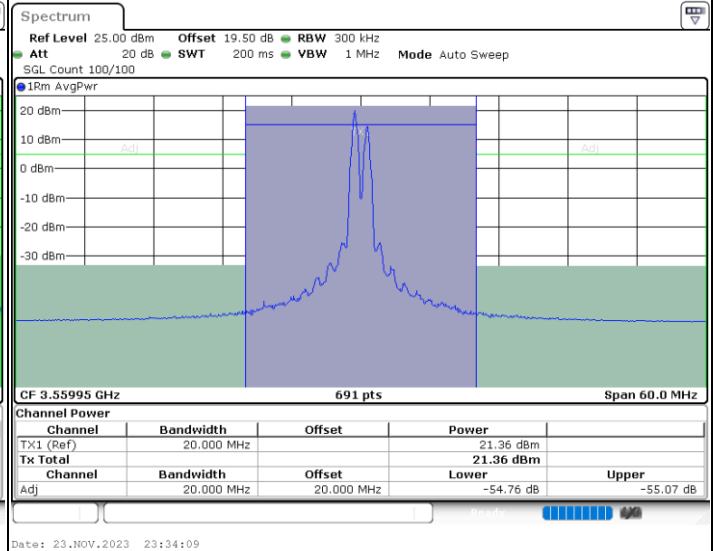
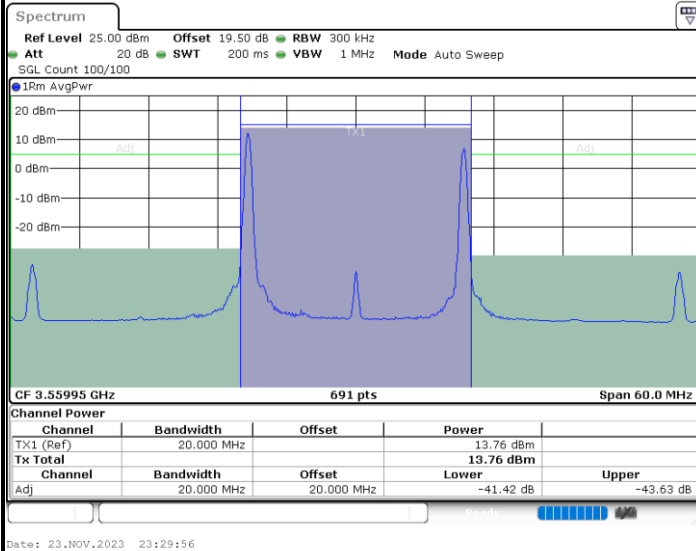


LTE Band 48B / 10MHz+10MHz

64QAM

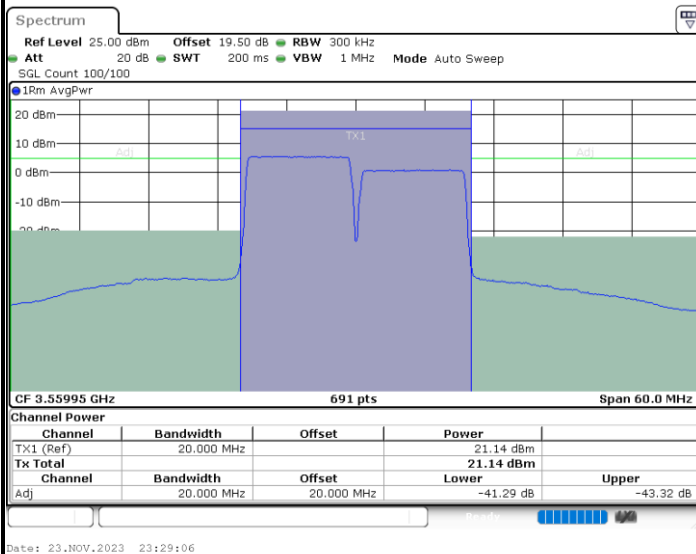
Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0



Lowest Channel / FullIRB

N/A



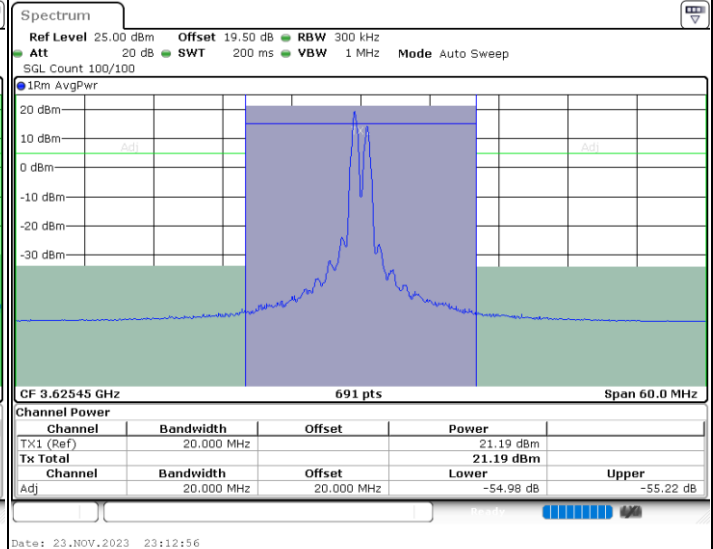
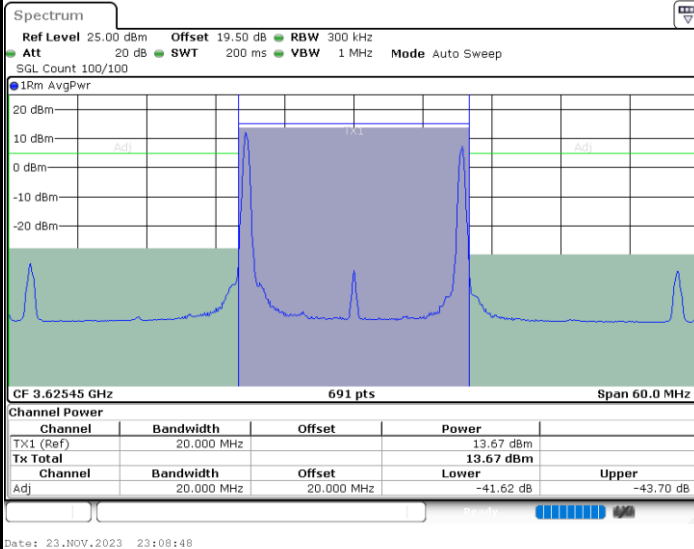


LTE Band 48B / 10MHz+10MHz

64QAM

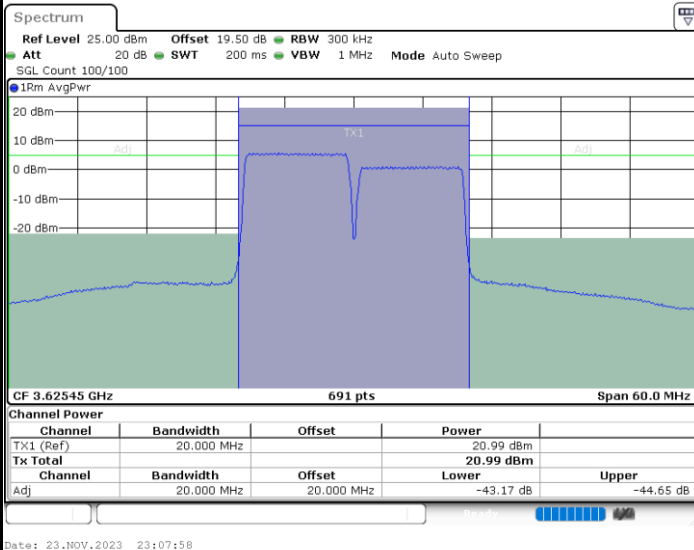
Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0



Middle Channel / FullRB

N/A



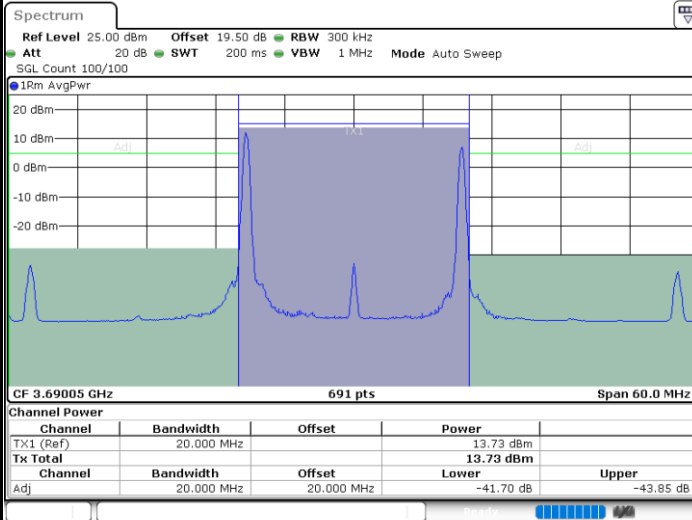


LTE Band 48B / 10MHz+10MHz

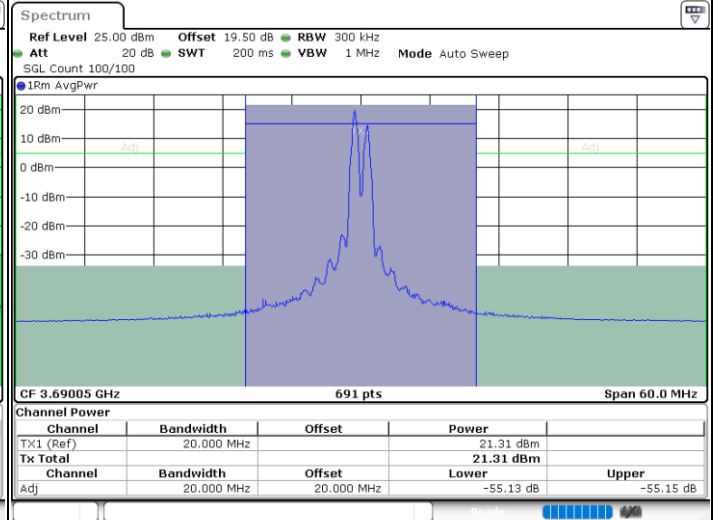
64QAM

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0



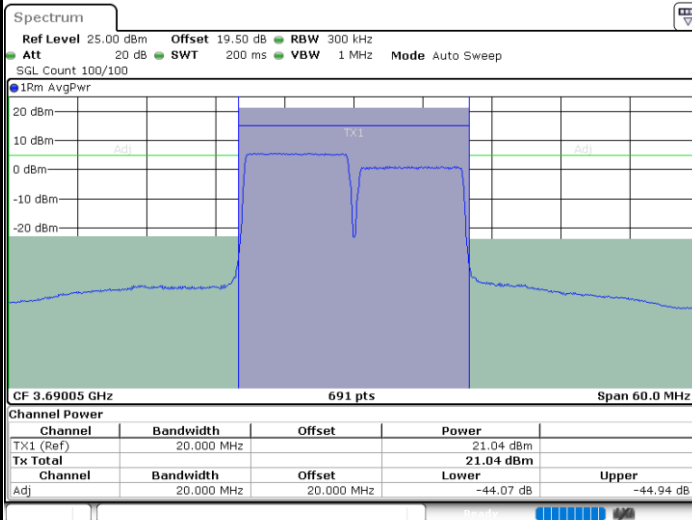
Date: 23.NOV.2023 23:50:54



Date: 23.NOV.2023 23:55:04

Highest Channel / FullRB

N/A



Date: 23.NOV.2023 23:50:05