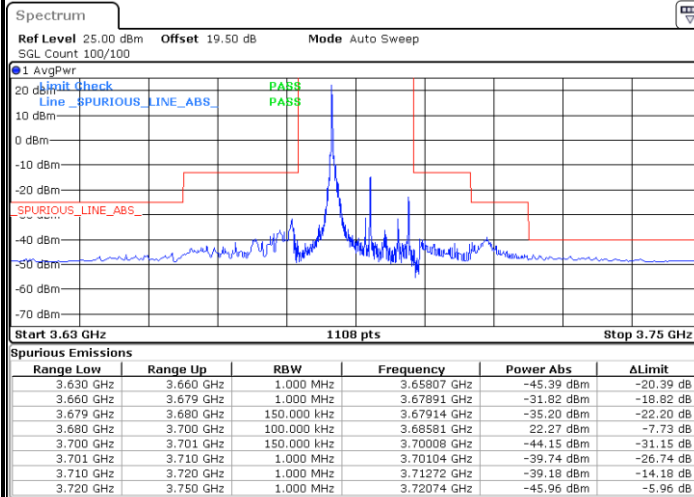




LTE Band 48 / 15MHz

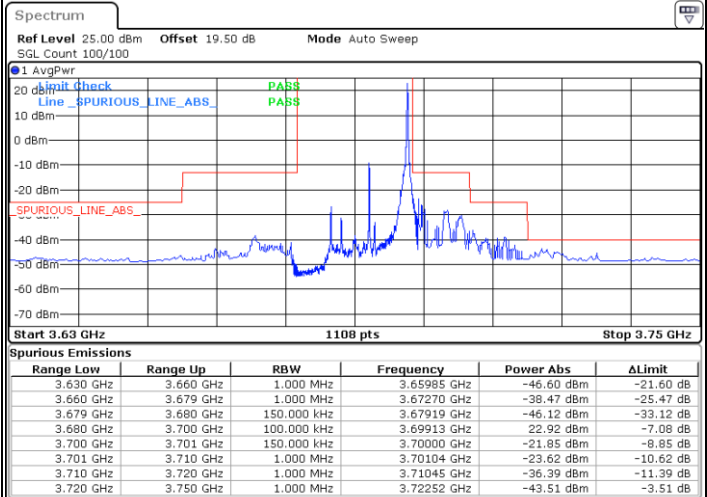
QPSK

Highest Channel / 1RB0



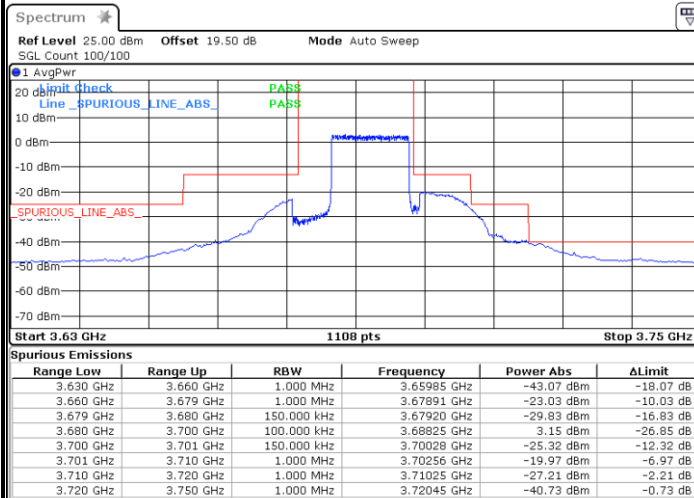
Date: 21.JAN.2024 01:31:40

Highest Channel / 1RBmax



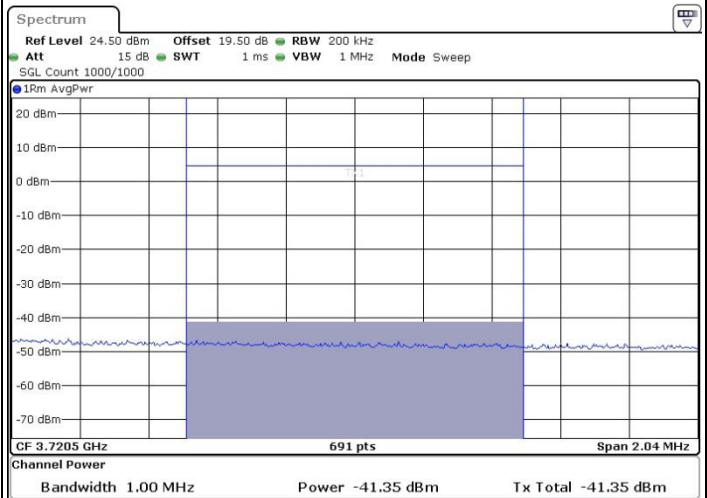
Date: 21.JAN.2024 01:33:00

Highest Channel / FullRB



Date: 23.JAN.2024 00:24:58

Highest Channel / FullRB-CP



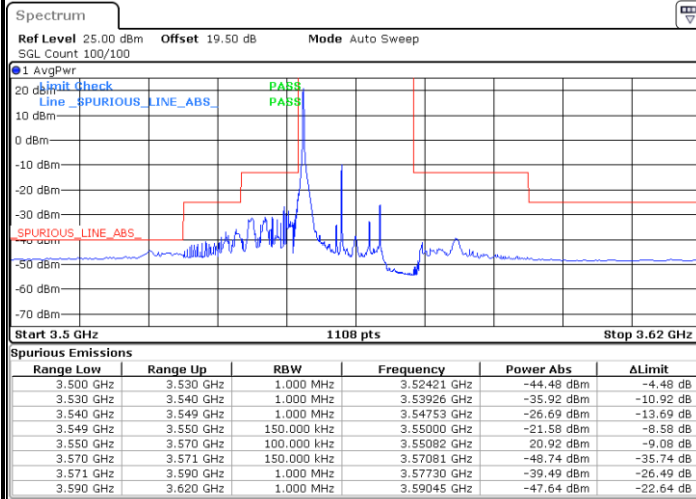
Date: 23.JAN.2024 00:40:37



LTE Band 48 / 15MHz

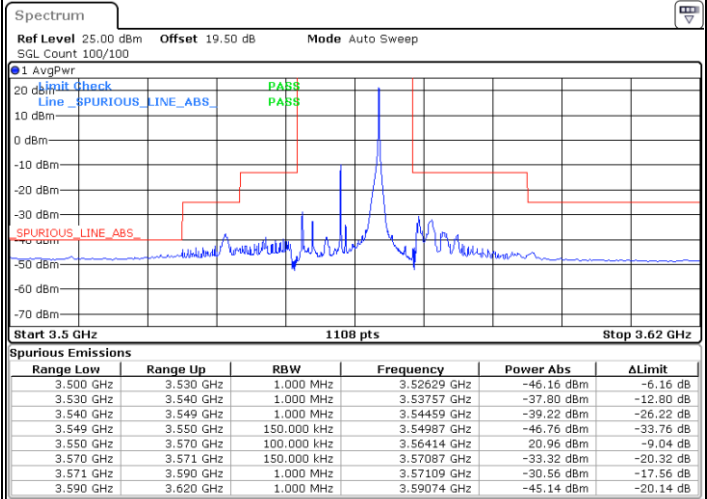
16QAM

Lowest Channel / 1RB0



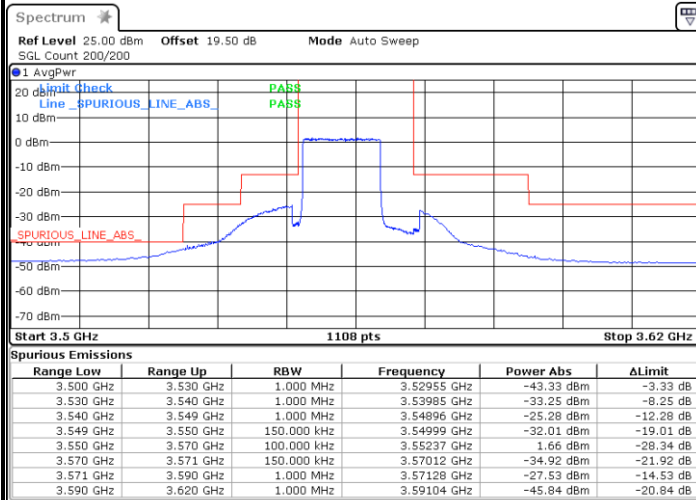
Date: 21.JAN.2024 00:44:39

Lowest Channel / 1RBmax



Date: 21.JAN.2024 00:48:38

Lowest Channel / FullIRB



Date: 23.JAN.2024 00:16:23

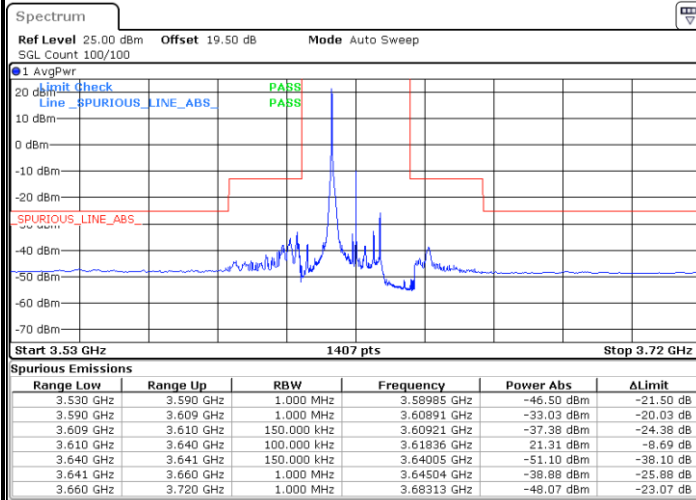
N/A



LTE Band 48 / 15MHz

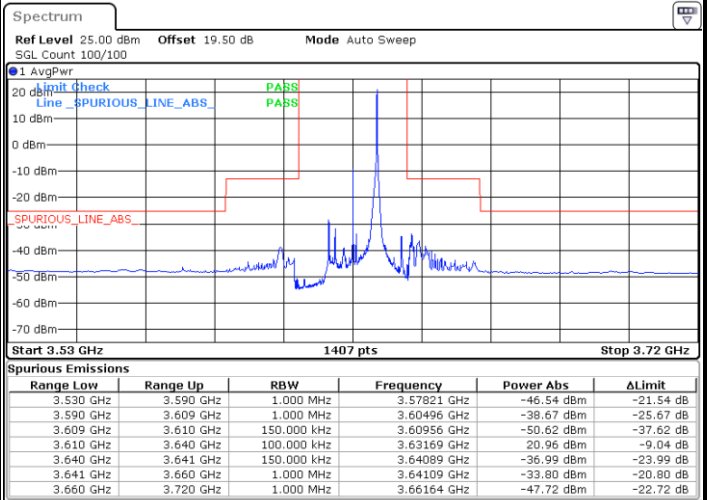
16QAM

Middle Channel / 1RB0



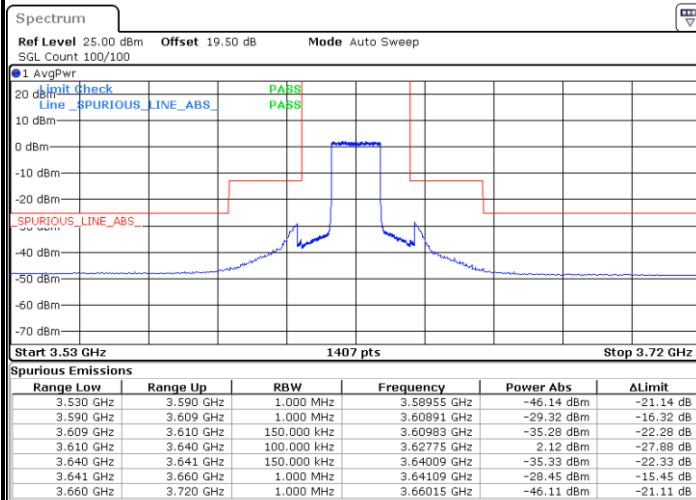
Date: 21.JAN.2024 03:19:18

Middle Channel / 1RBmax



Date: 21.JAN.2024 03:24:09

Middle Channel / FullRB



Date: 21.JAN.2024 03:28:58

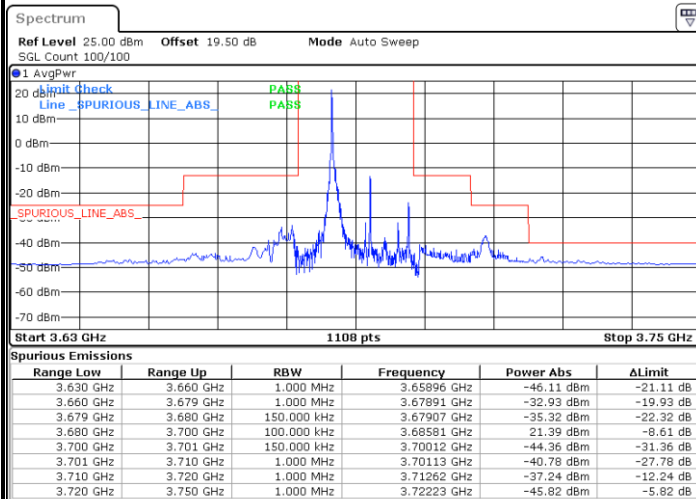
N/A



LTE Band 48 / 15MHz

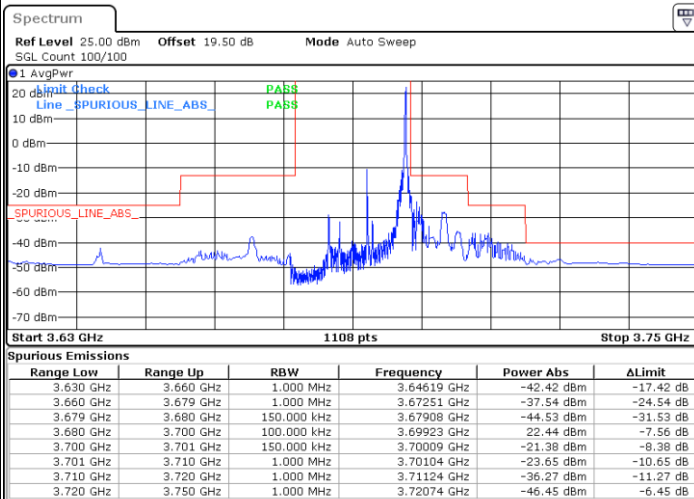
16QAM

Highest Channel / 1RB0



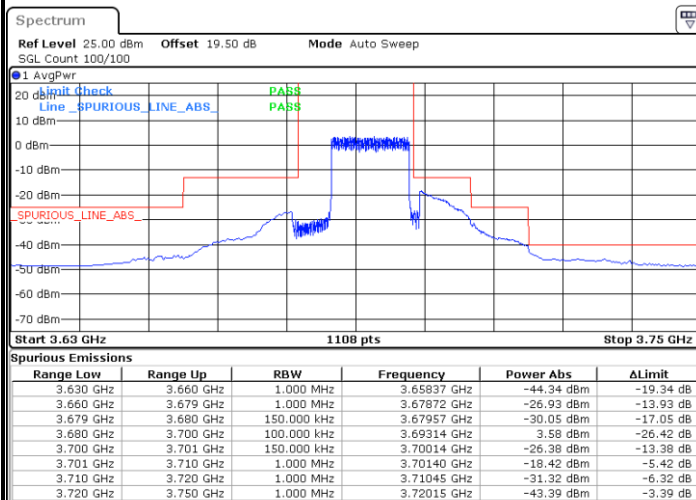
Date: 21.JAN.2024 01:30:20

Highest Channel / 1RBmax



Date: 23.JAN.2024 00:22:08

Highest Channel / FullRB



Date: 21.JAN.2024 01:38:20

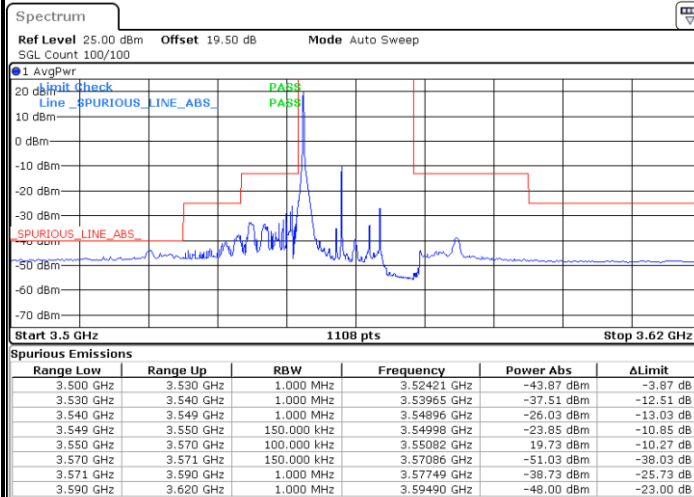
N/A



LTE Band 48 / 15MHz

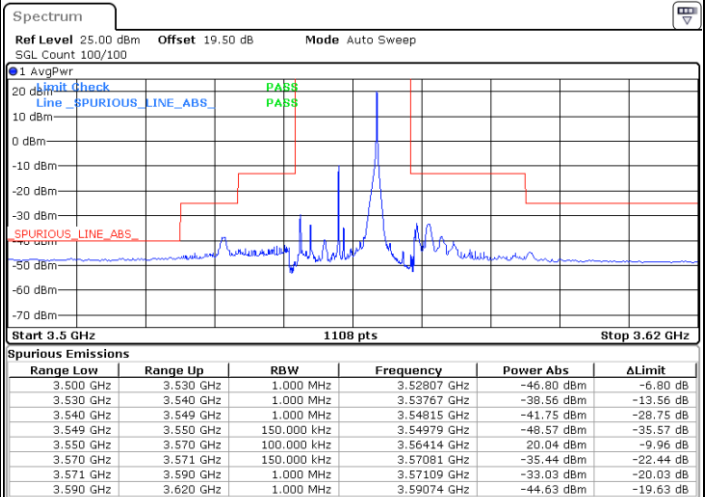
64QAM

Lowest Channel / 1RB0



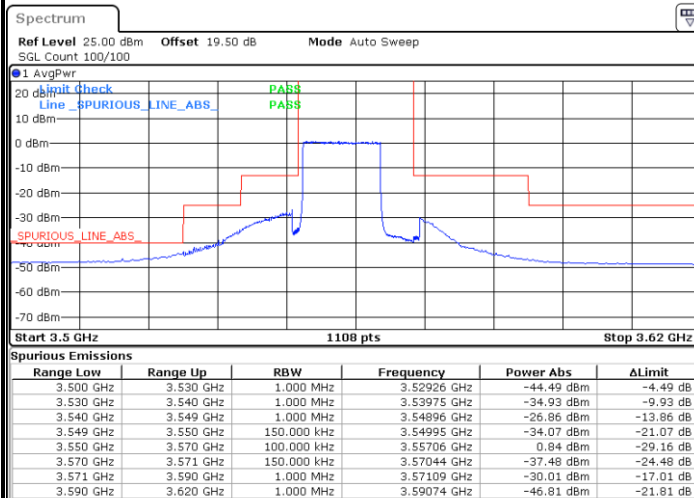
Date: 21.JAN.2024 00:43:18

Lowest Channel / 1RBmax



Date: 21.JAN.2024 00:49:58

Lowest Channel / FullIRB



Date: 21.JAN.2024 00:51:18

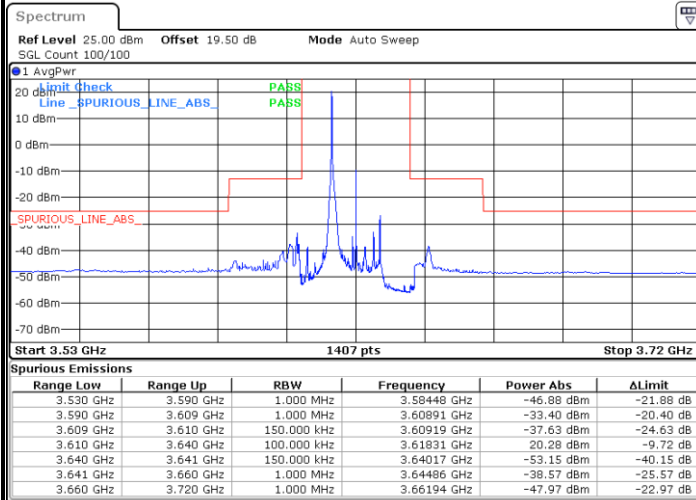
N/A



LTE Band 48 / 15MHz

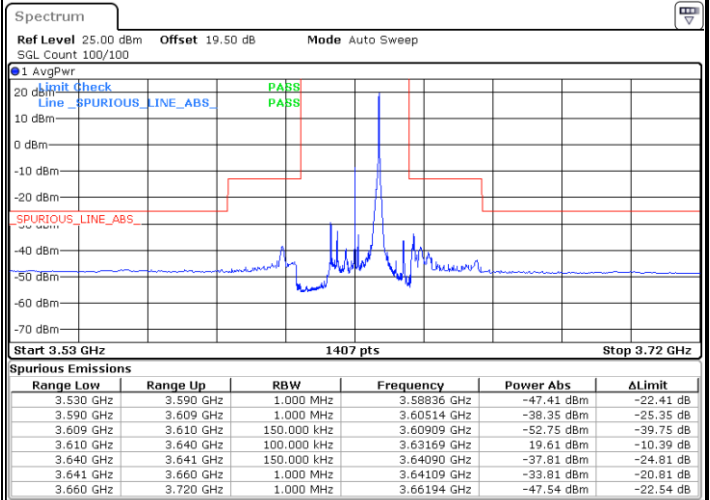
64QAM

Middle Channel / 1RB0



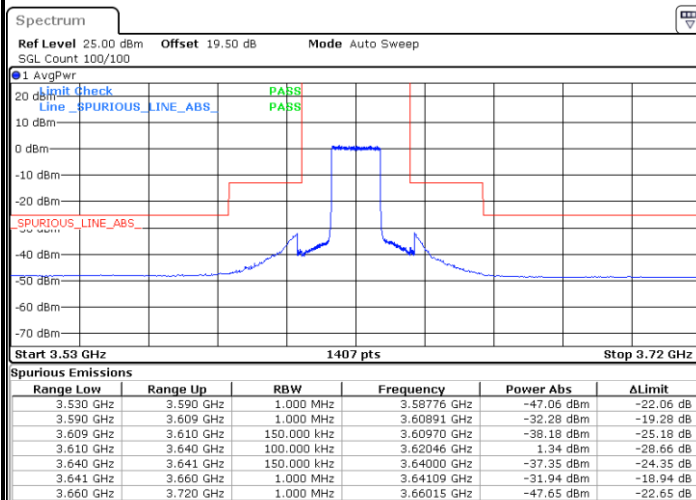
Date: 21.JAN.2024 03:20:55

Middle Channel / 1RBmax



Date: 21.JAN.2024 03:22:32

Middle Channel / FullRB



Date: 21.JAN.2024 03:30:35

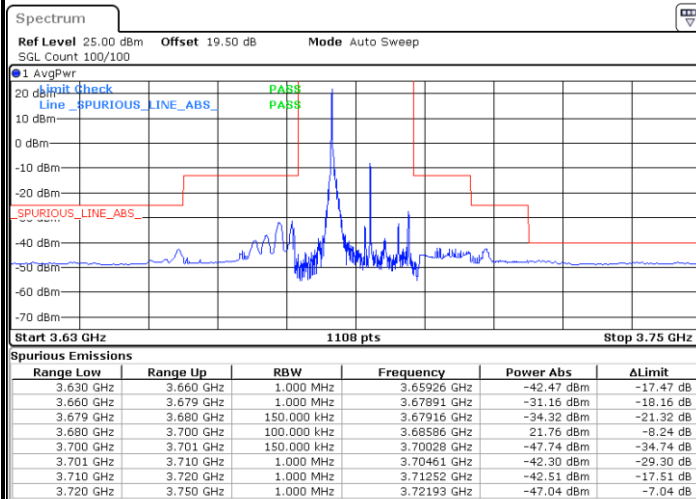
N/A



LTE Band 48 / 15MHz

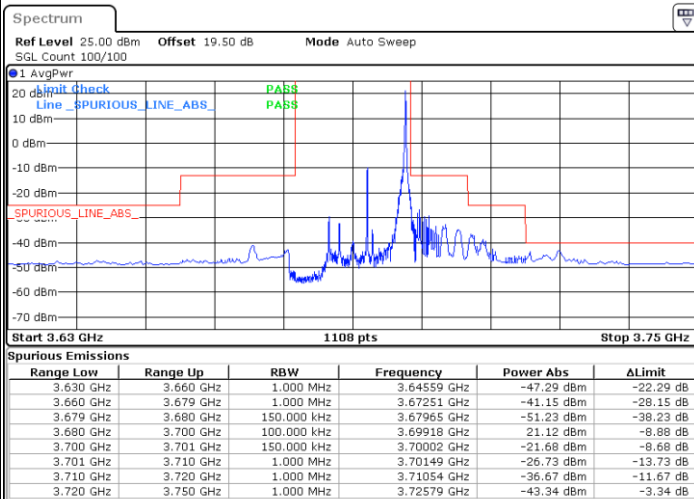
64QAM

Highest Channel / 1RB0



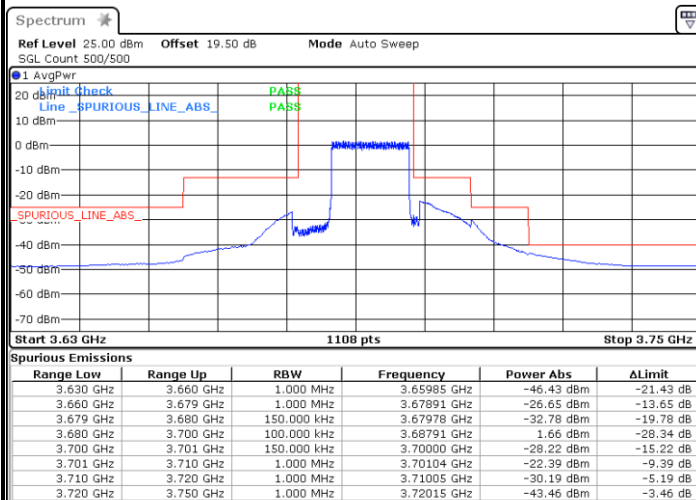
Date: 21.JAN.2024 01:28:59

Highest Channel / 1RBmax



Date: 21.JAN.2024 01:35:40

Highest Channel / FullRB



Date: 23.JAN.2024 00:38:29

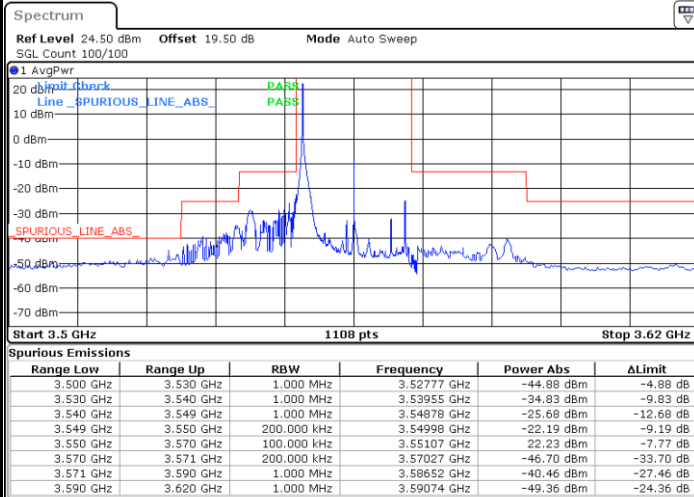
N/A



LTE Band 48 / 20MHz

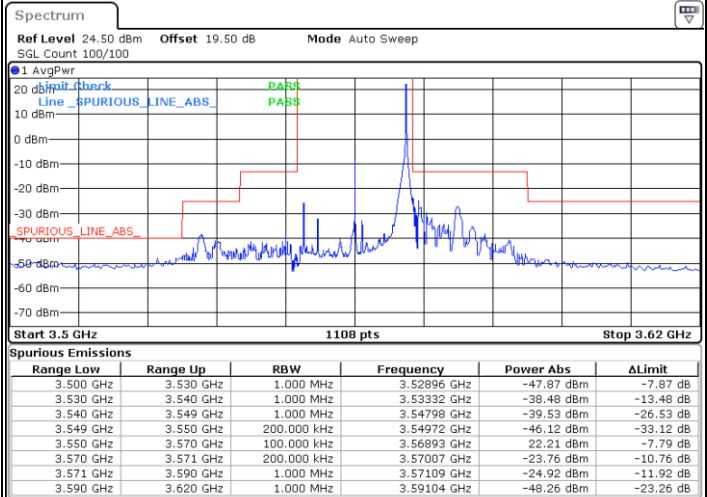
QPSK

Lowest Channel / 1RB0



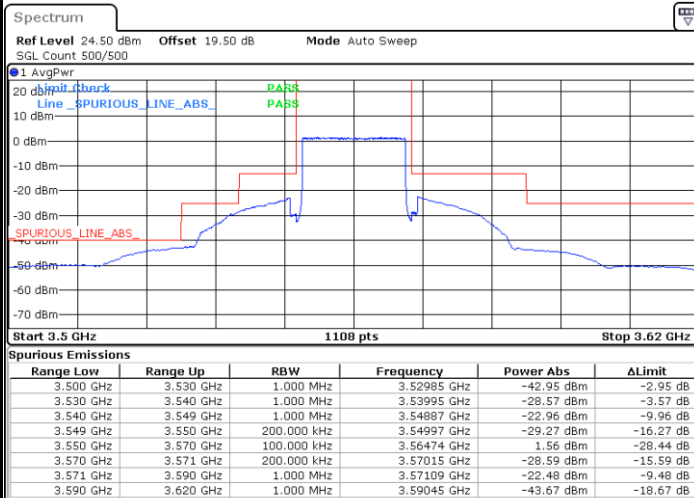
Date: 21.JAN.2024 01:50:29

Lowest Channel / 1RBmax



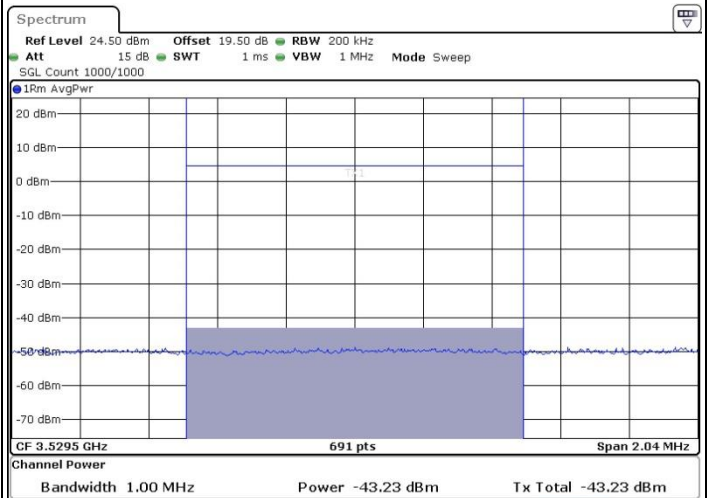
Date: 21.JAN.2024 01:57:10

Lowest Channel / FullIRB



Date: 23.JAN.2024 01:12:51

Lowest Channel / FullIRB-CP



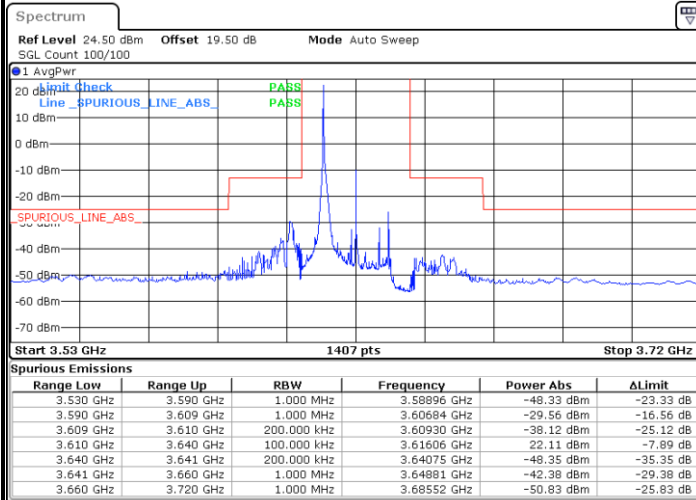
Date: 23.JAN.2024 01:20:47



LTE Band 48 / 20MHz

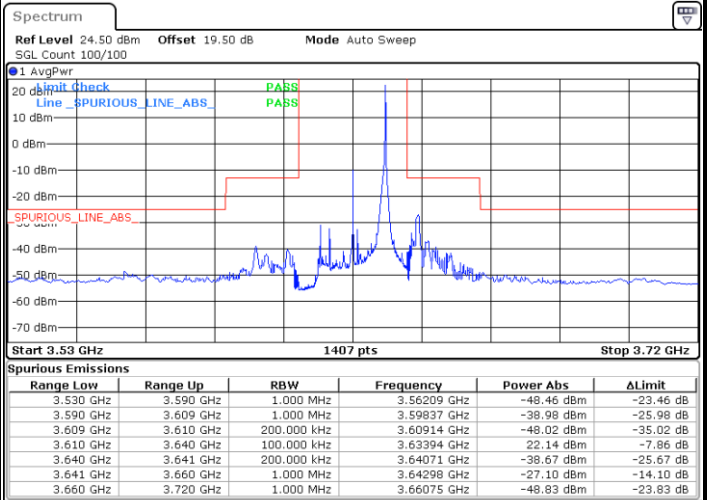
QPSK

Middle Channel / 1RB0



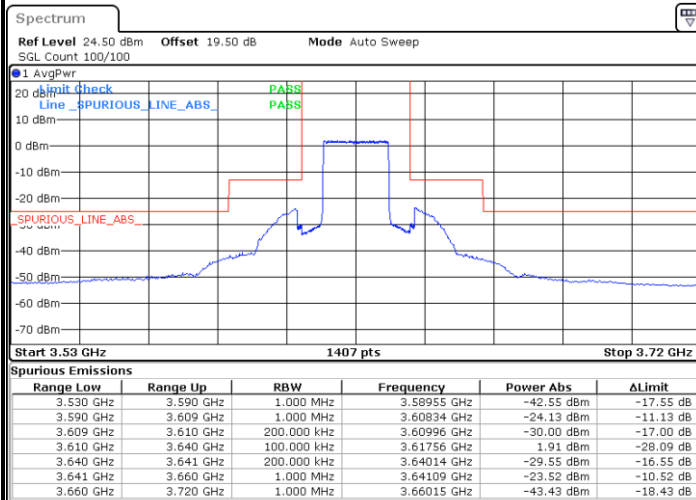
Date: 22.JAN.2024 23:14:31

Middle Channel / 1RBmax



Date: 22.JAN.2024 23:16:15

Middle Channel / FullRB



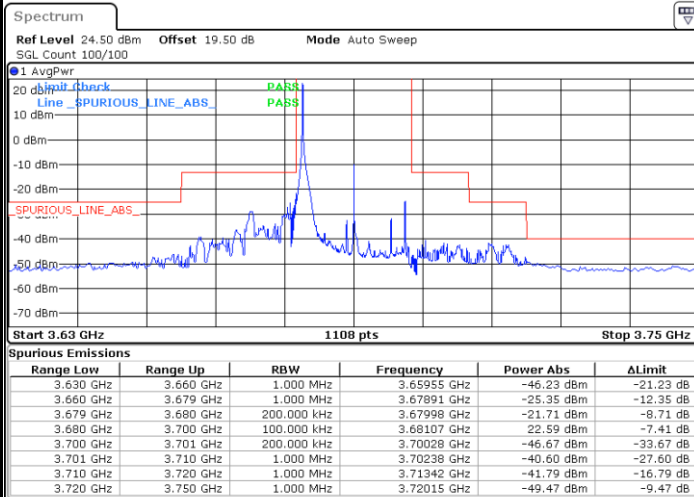
Date: 22.JAN.2024 22:54:07

N/A

LTE Band 48 / 20MHz

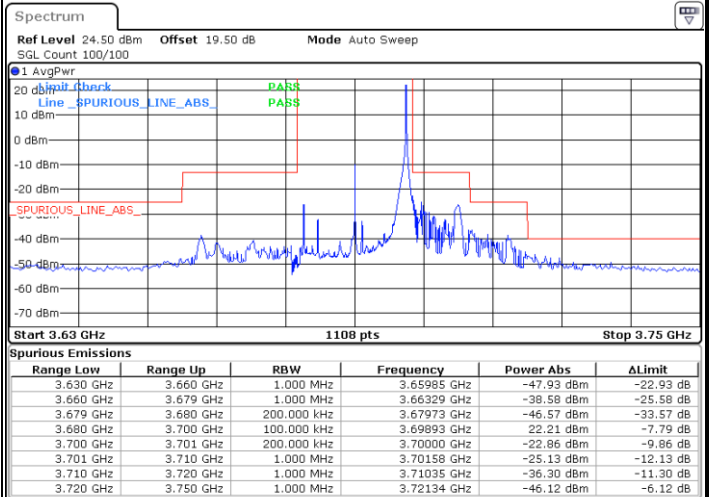
QPSK

Highest Channel / 1RB0



Date: 21.JAN.2024 02:37:12

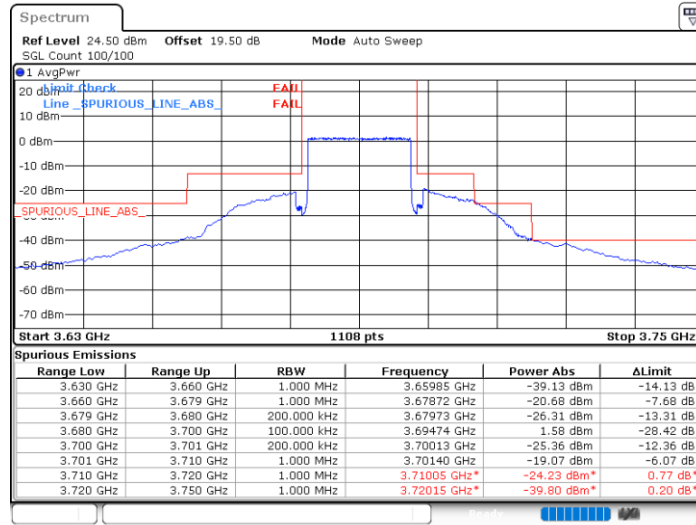
Highest Channel / 1RBmax



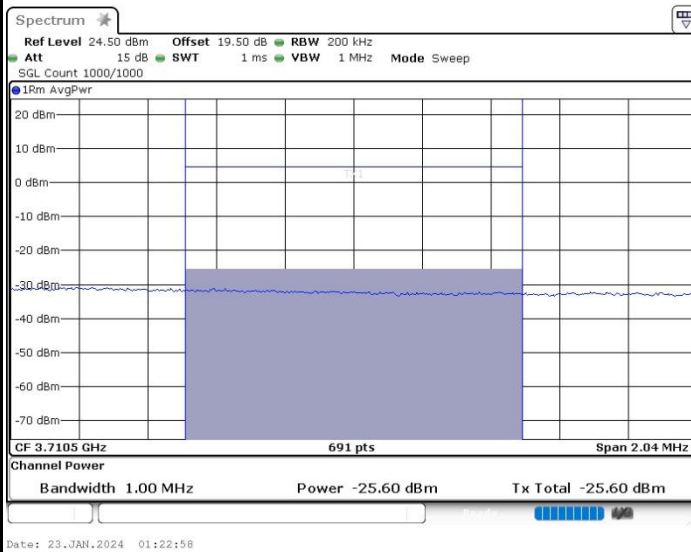
Date: 21.JAN.2024 02:43:51



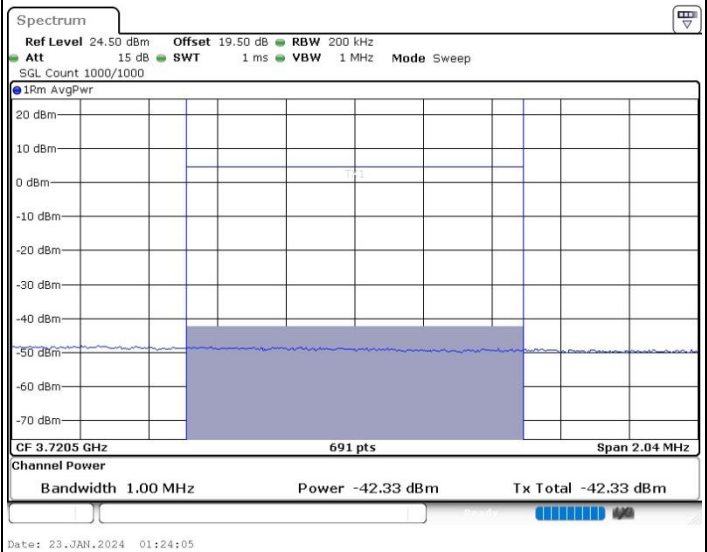
Highest Channel / FullIRB



Highest Channel / FullIRB-CP-1



Highest Channel / FullIRB-CP-2

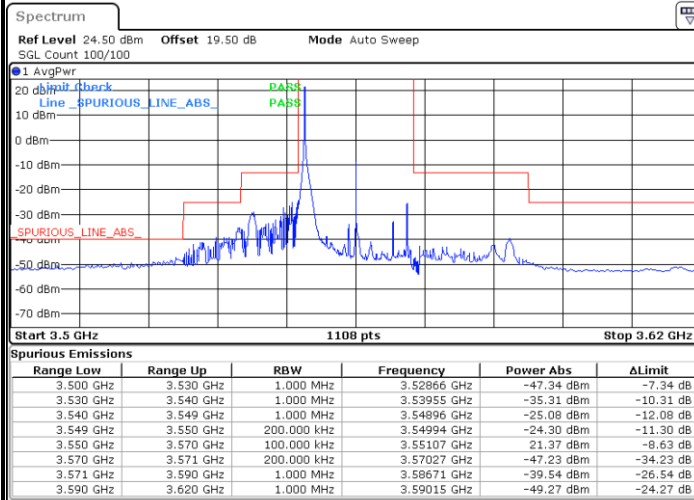




LTE Band 48 / 20MHz

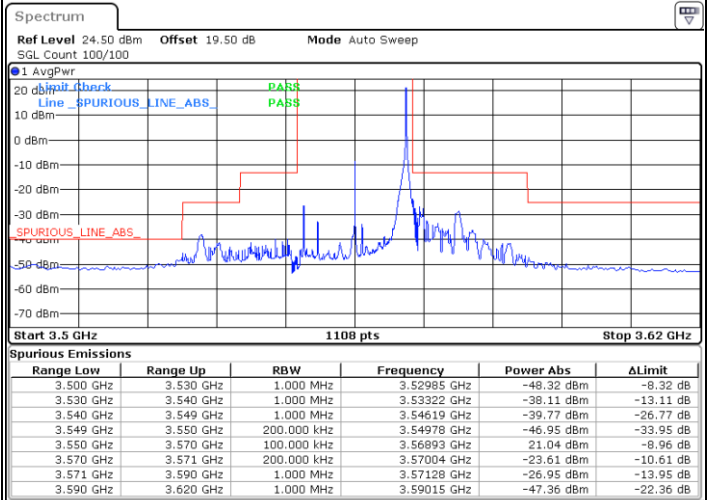
16QAM

Lowest Channel / 1RB0



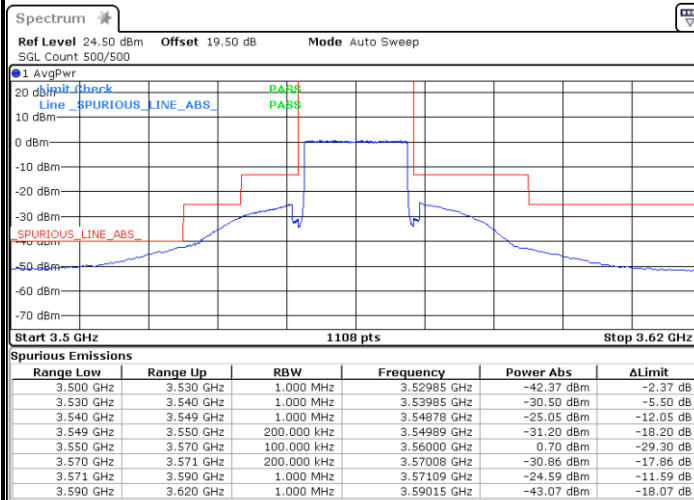
Date: 21.JAN.2024 01:51:49

Lowest Channel / 1RBmax



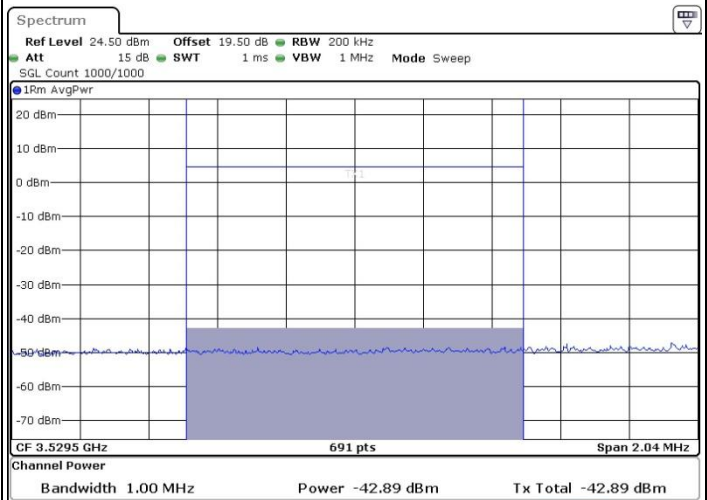
Date: 21.JAN.2024 01:55:50

Lowest Channel / FullIRB



Date: 23.JAN.2024 00:54:10

Lowest Channel / FullIRB-CP



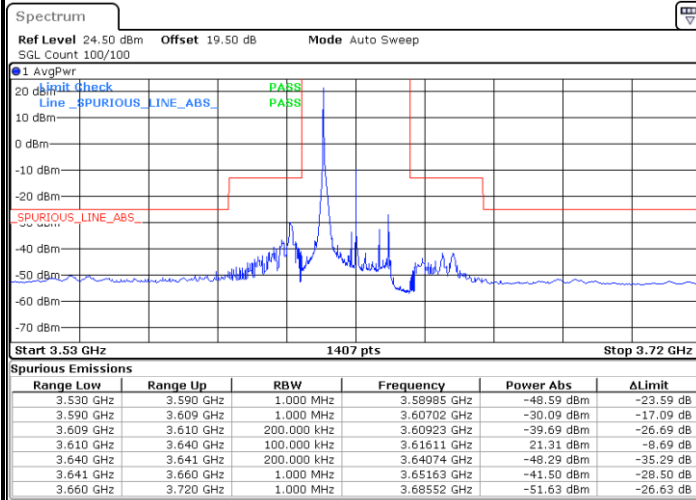
Date: 23.JAN.2024 01:21:35



LTE Band 48 / 20MHz

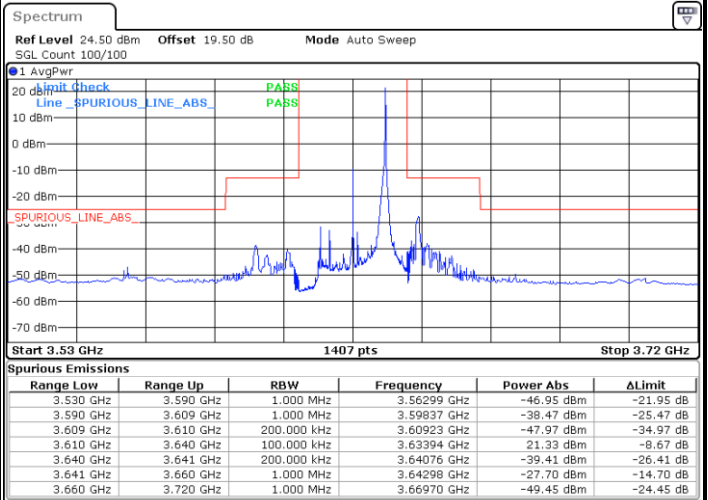
16QAM

Middle Channel / 1RB0



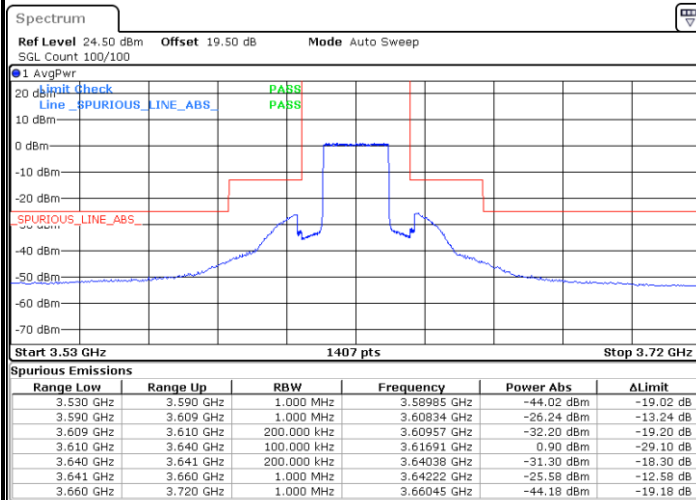
Date: 22.JAN.2024 23:12:46

Middle Channel / 1RBmax



Date: 22.JAN.2024 23:17:59

Middle Channel / FullRB



Date: 22.JAN.2024 22:55:51

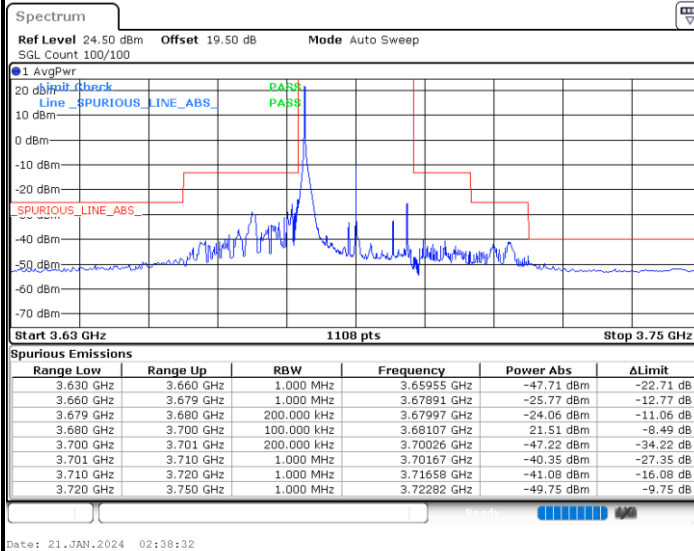
N/A



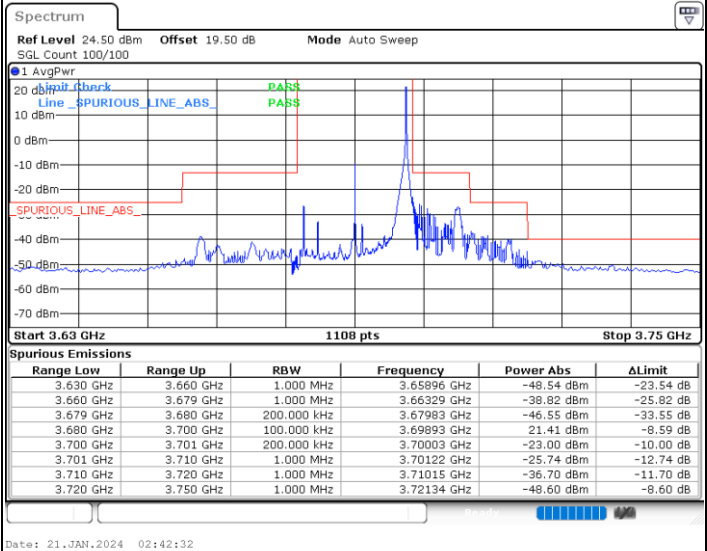
LTE Band 48 / 20MHz

16QAM

Highest Channel / 1RB0

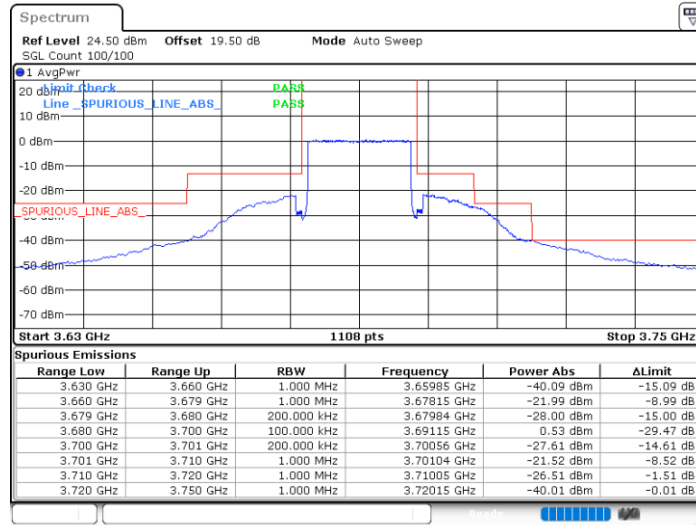


Highest Channel / 1RBmax

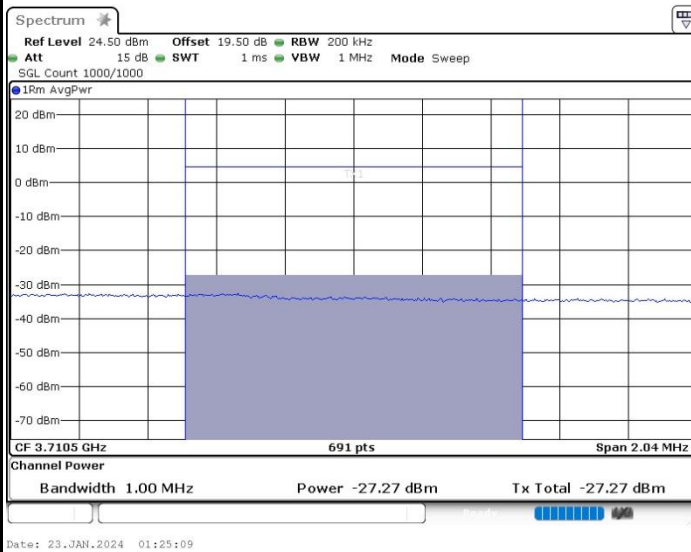




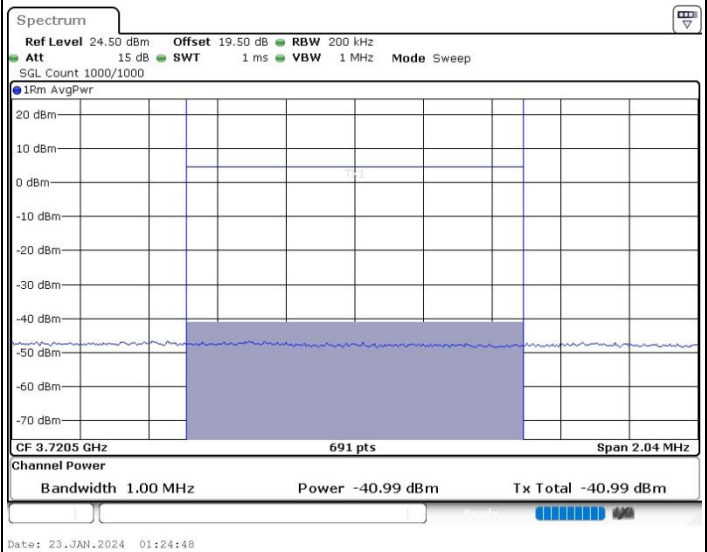
Highest Channel / FullIRB



Highest Channel / FullIRB-CP-1



Highest Channel / FullIRB-CP-2

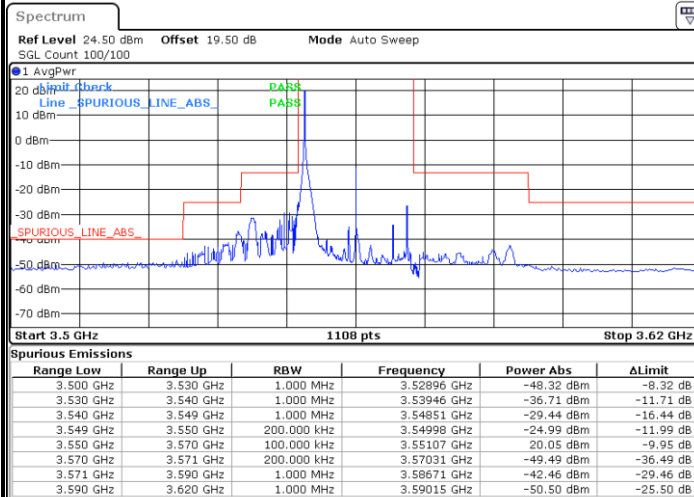




LTE Band 48 / 20MHz

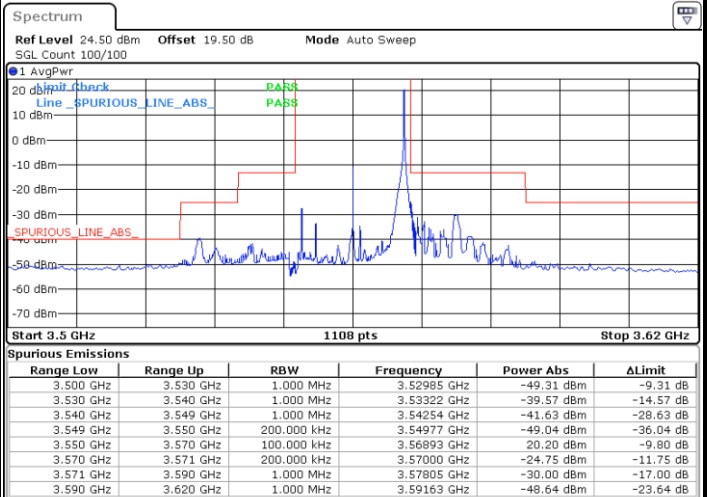
64QAM

Lowest Channel / 1RB0



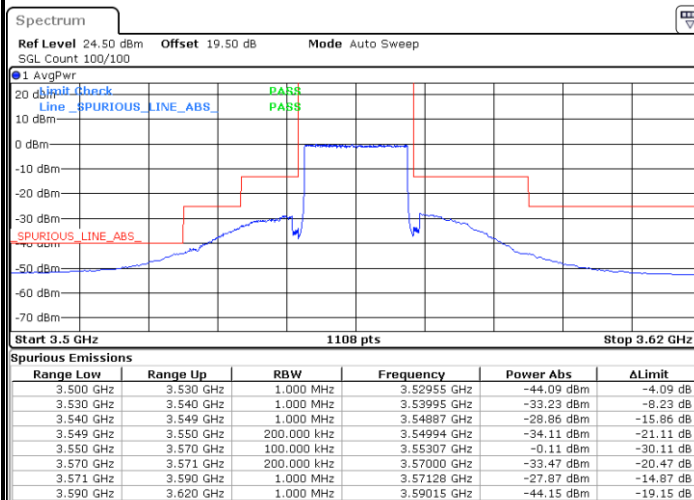
Date: 21.JAN.2024 01:53:09

Lowest Channel / 1RBmax



Date: 21.JAN.2024 01:54:29

Lowest Channel / FullRB



Date: 21.JAN.2024 02:01:11

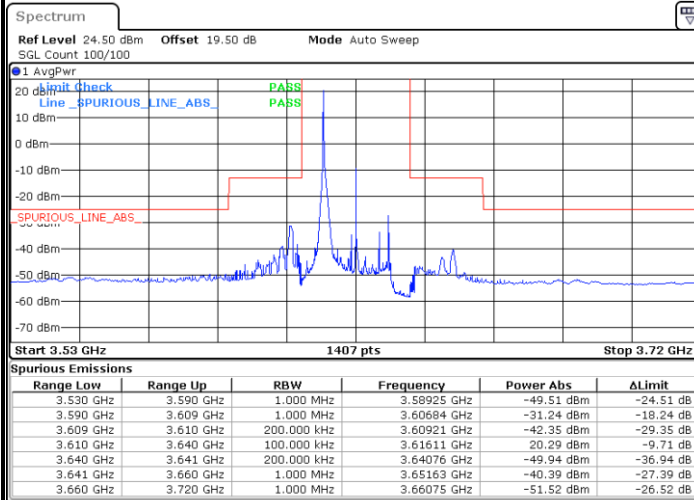
N/A



LTE Band 48 / 20MHz

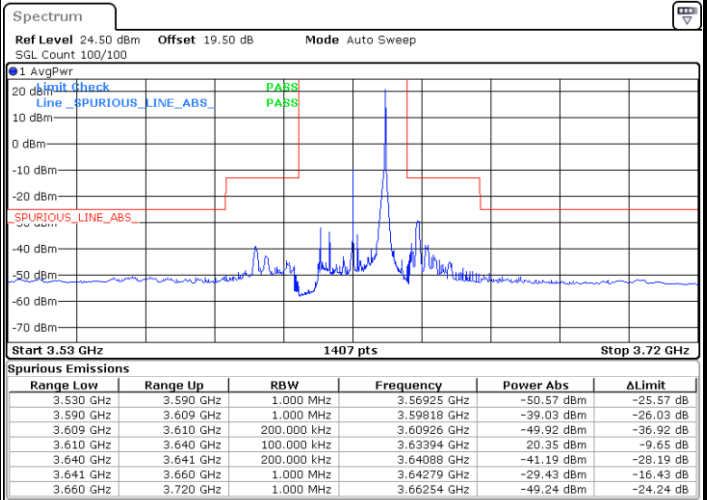
64QAM

Middle Channel / 1RB0



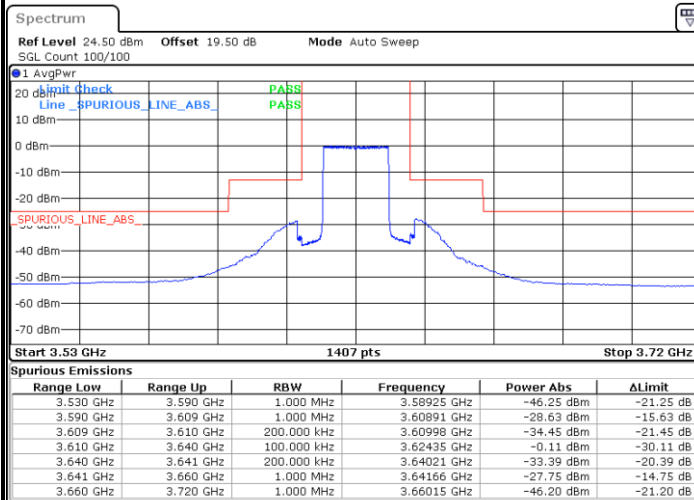
Date: 22.JAN.2024 23:11:02

Middle Channel / 1RBmax



Date: 22.JAN.2024 23:19:44

Middle Channel / FullRB



Date: 22.JAN.2024 22:57:36

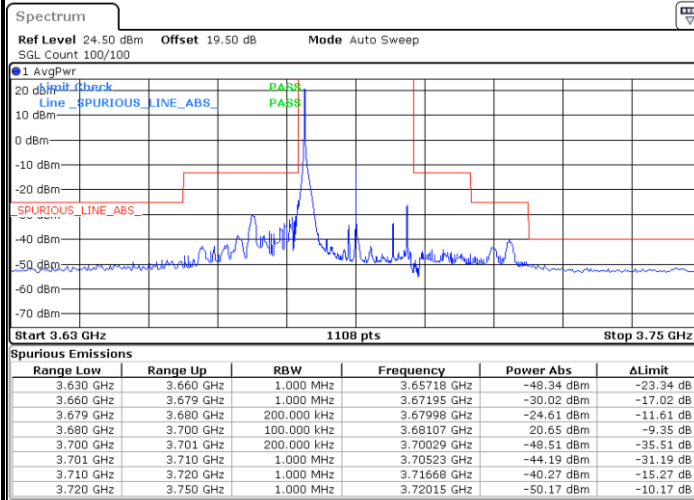
N/A



LTE Band 48 / 20MHz

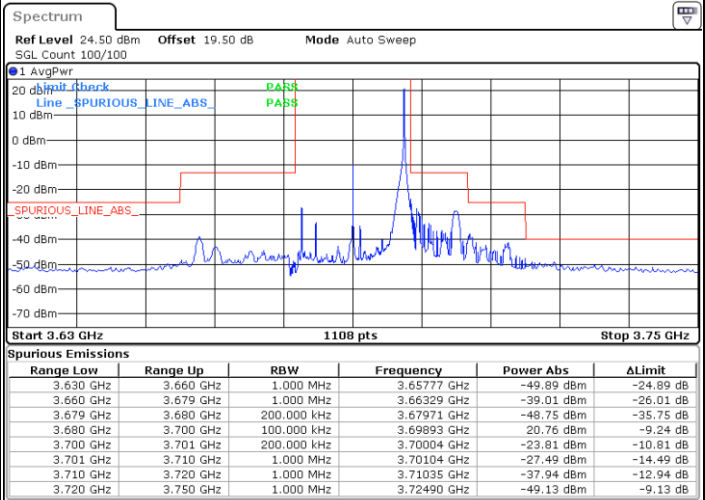
64QAM

Highest Channel / 1RB0



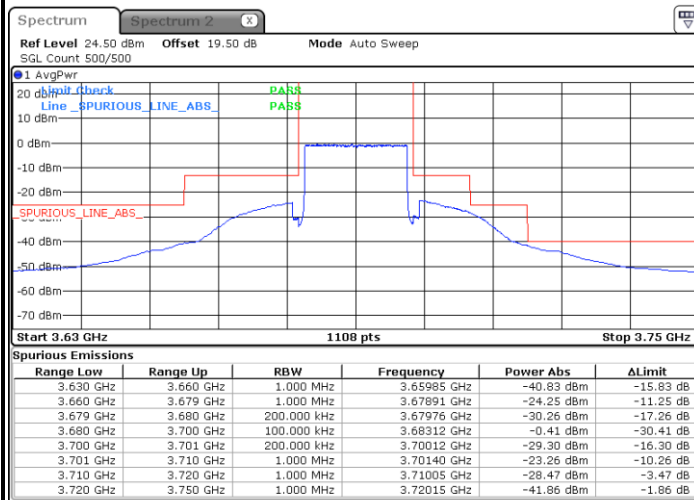
Date: 21.JAN.2024 02:39:52

Highest Channel / 1RBmax



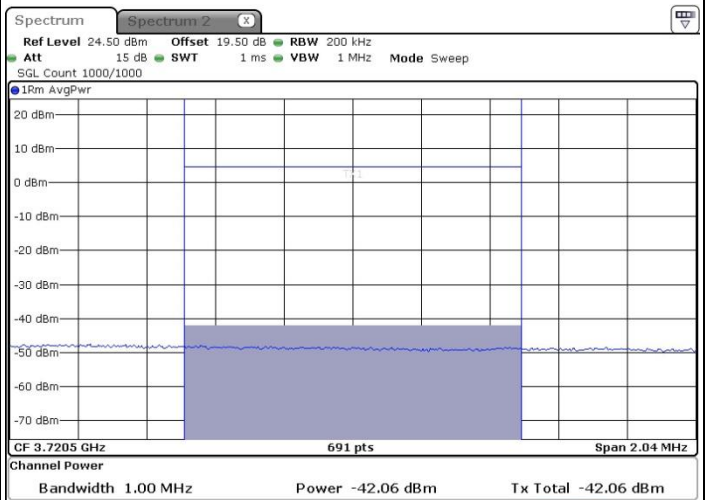
Date: 21.JAN.2024 02:41:12

Highest Channel / FullIRB



Date: 24.JAN.2024 00:25:02

Highest Channel / FullIRB-CP



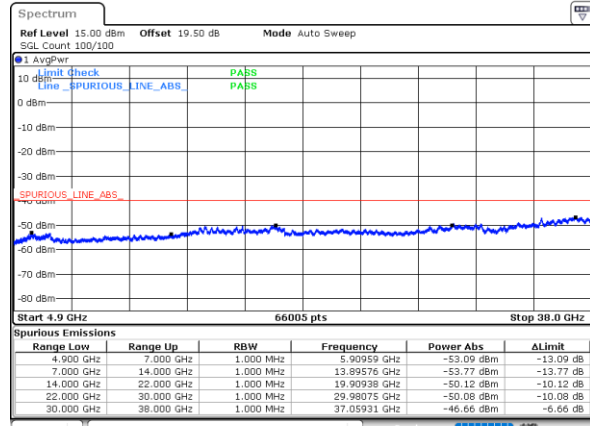
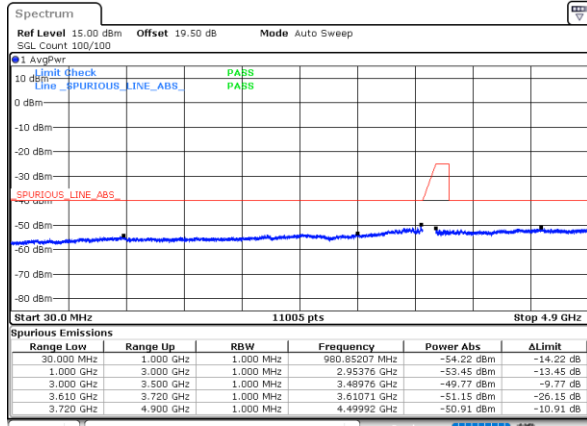
Date: 24.JAN.2024 00:26:46



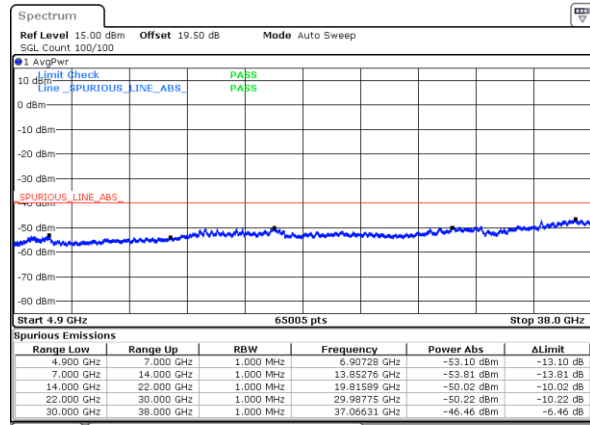
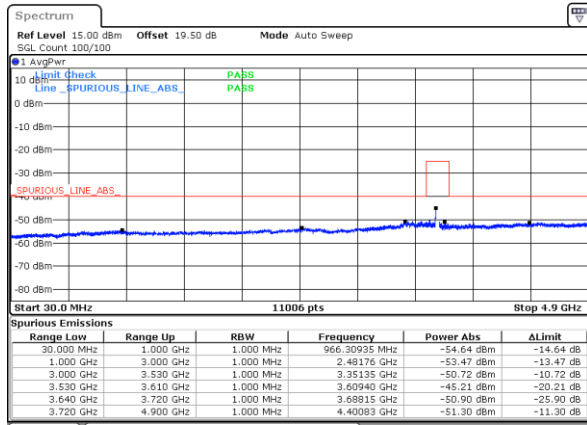
Conducted Spurious Emission

LTE Band 48 / 5MHz

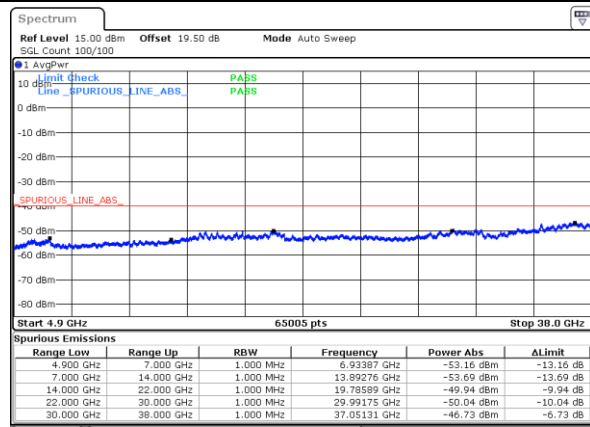
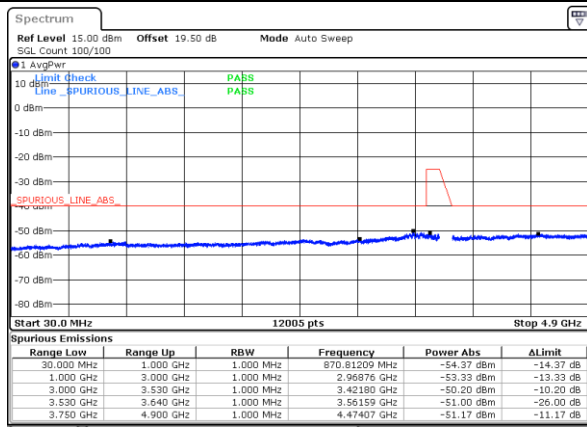
Lowest Channel / QPSK



Middle Channel / QPSK



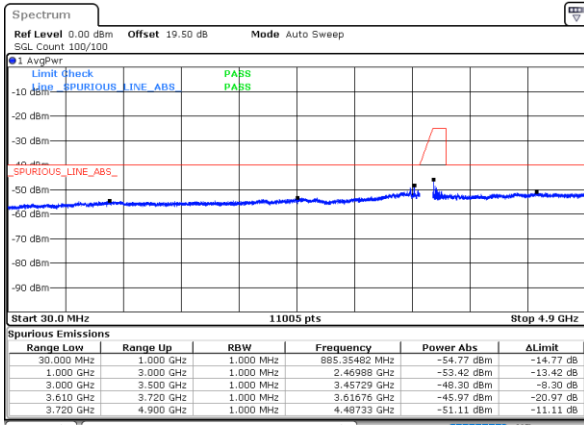
Highest Channel / QPSK



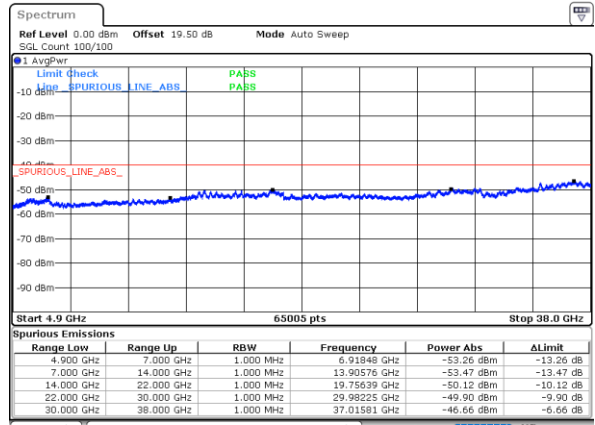


LTE Band 48 / 10MHz

Lowest Channel / QPSK

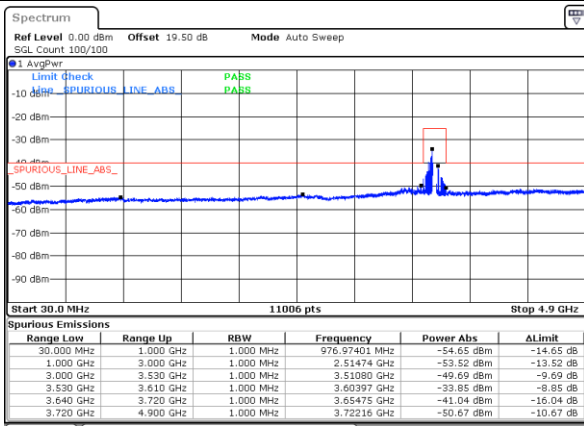


Date: 19_JAN,2024 05:37:19

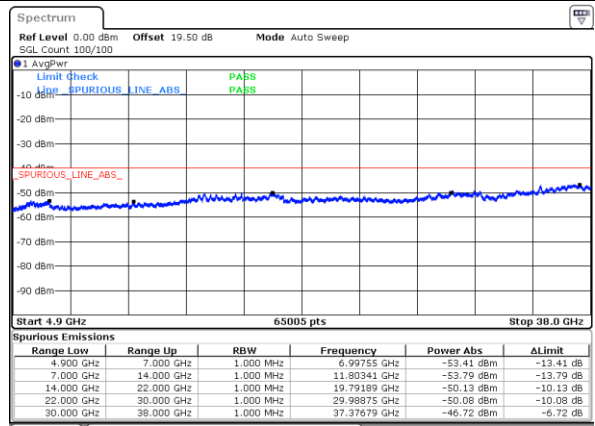


Date: 22_JAN,2024 23:18:51

Middle Channel / QPSK

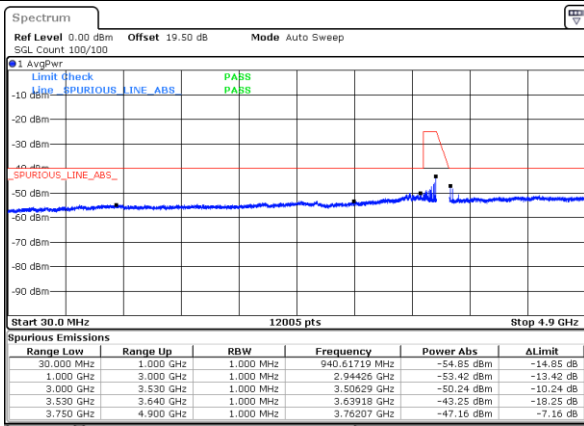


Date: 19_JAN,2024 05:59:38

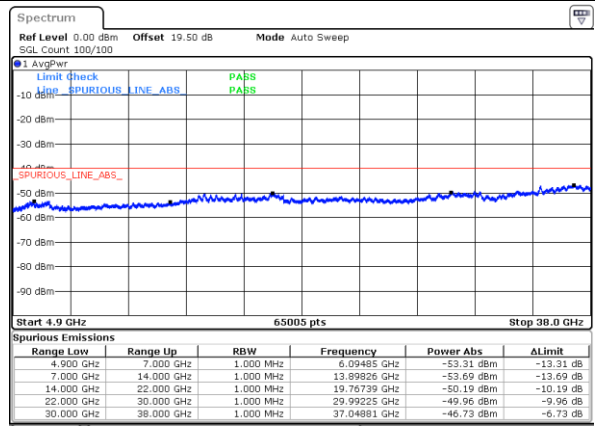


Date: 22_JAN,2024 23:40:20

Highest Channel / QPSK



Date: 19_JAN,2024 06:20:49

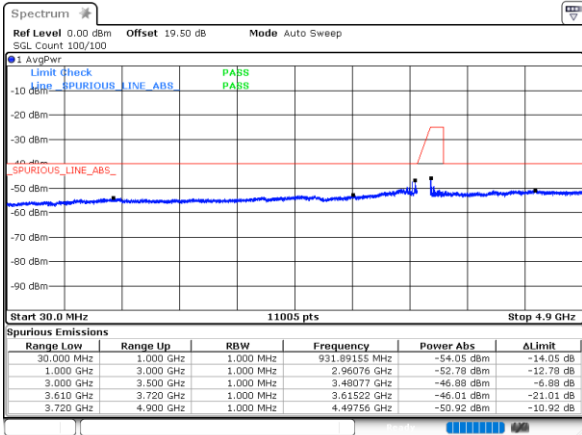


Date: 22_JAN,2024 23:41:50

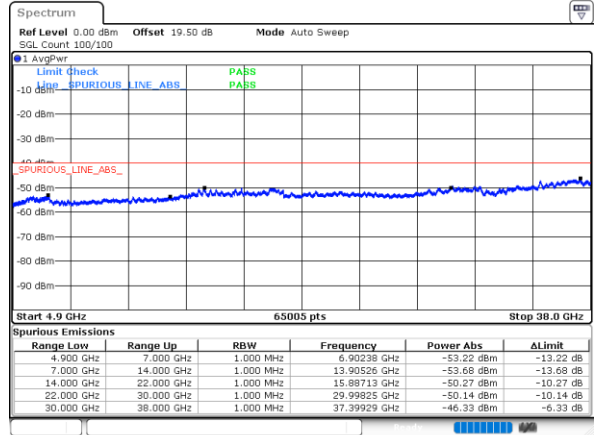


LTE Band 48 / 15MHz

Lowest Channel / QPSK

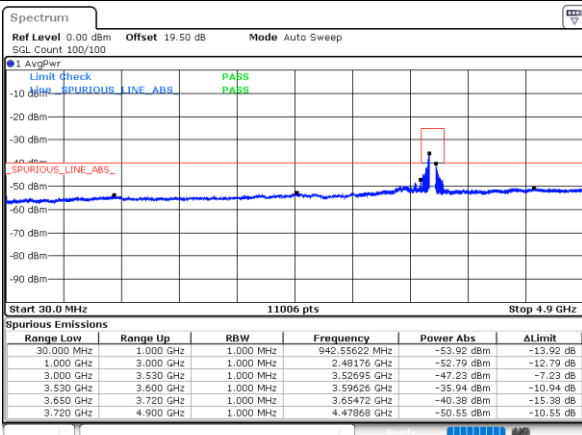


Date: 24.JAN.2024 00:31:48

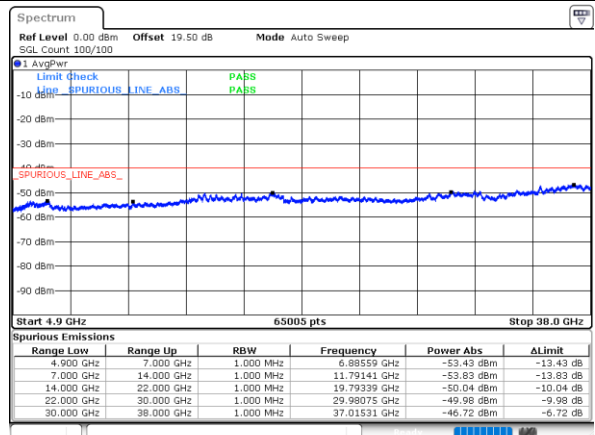


Date: 22.JAN.2024 23:43:22

Middle Channel / QPSK

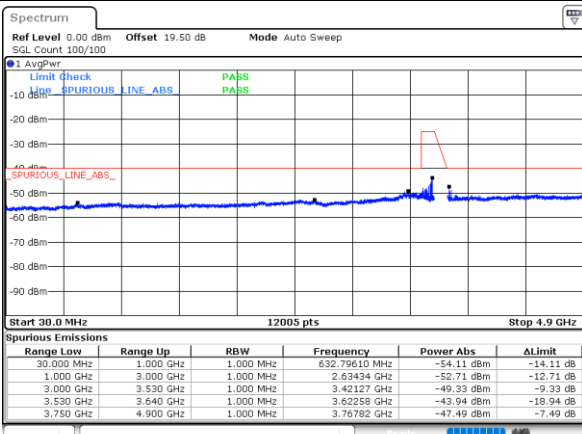


Date: 21.JAN.2024 01:19:51

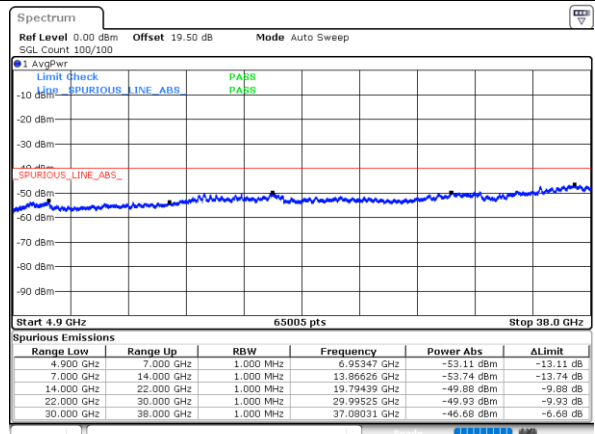


Date: 22.JAN.2024 23:44:52

Highest Channel / QPSK



Date: 21.JAN.2024 01:40:50

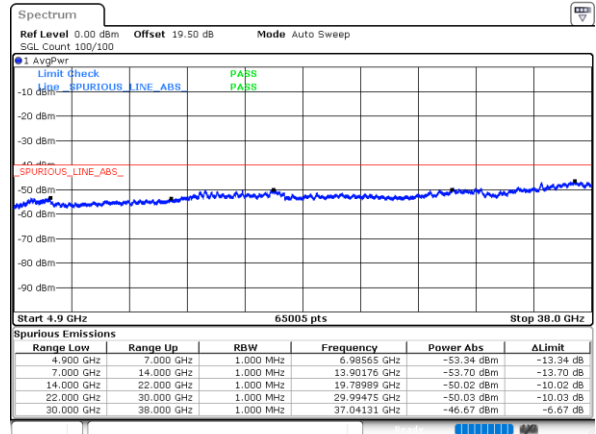
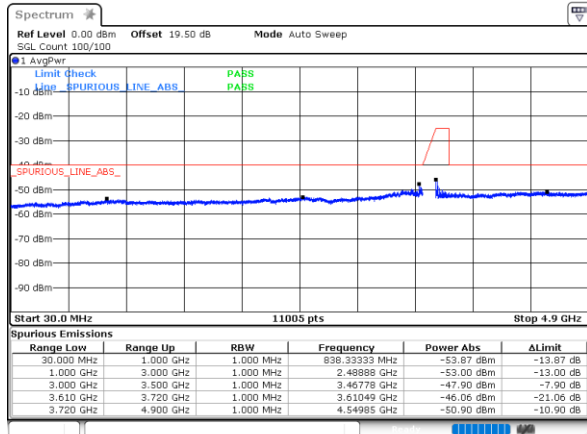


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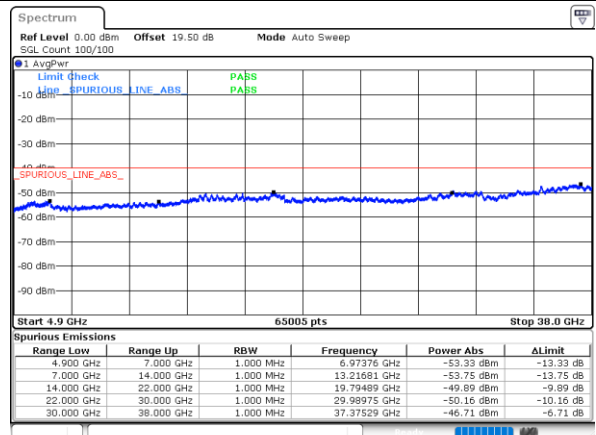
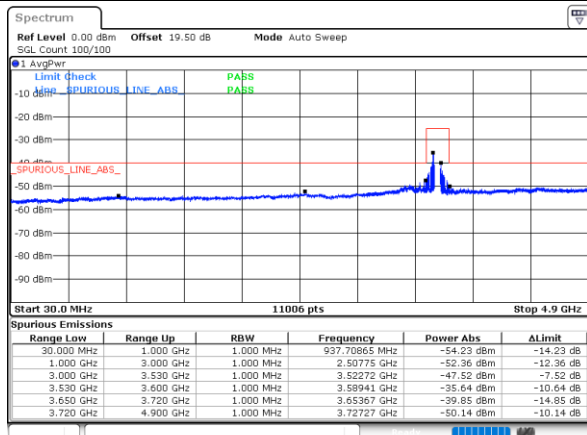


LTE Band 48 / 20MHz

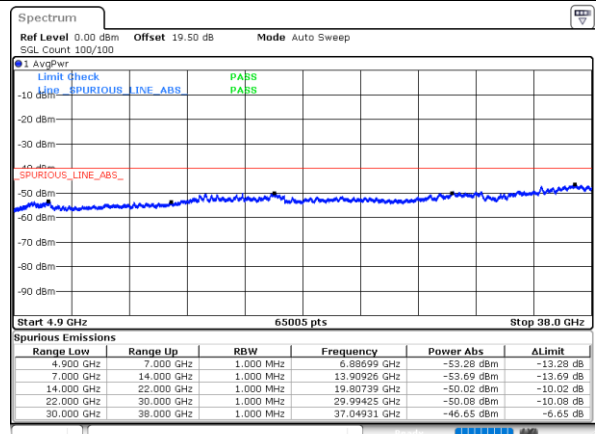
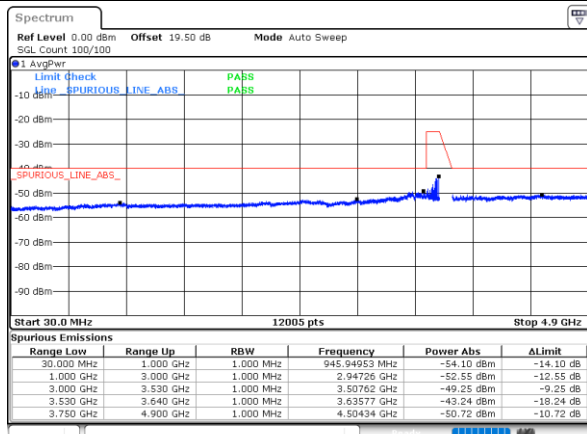
Lowest Channel / QPSK



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	0.0004	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

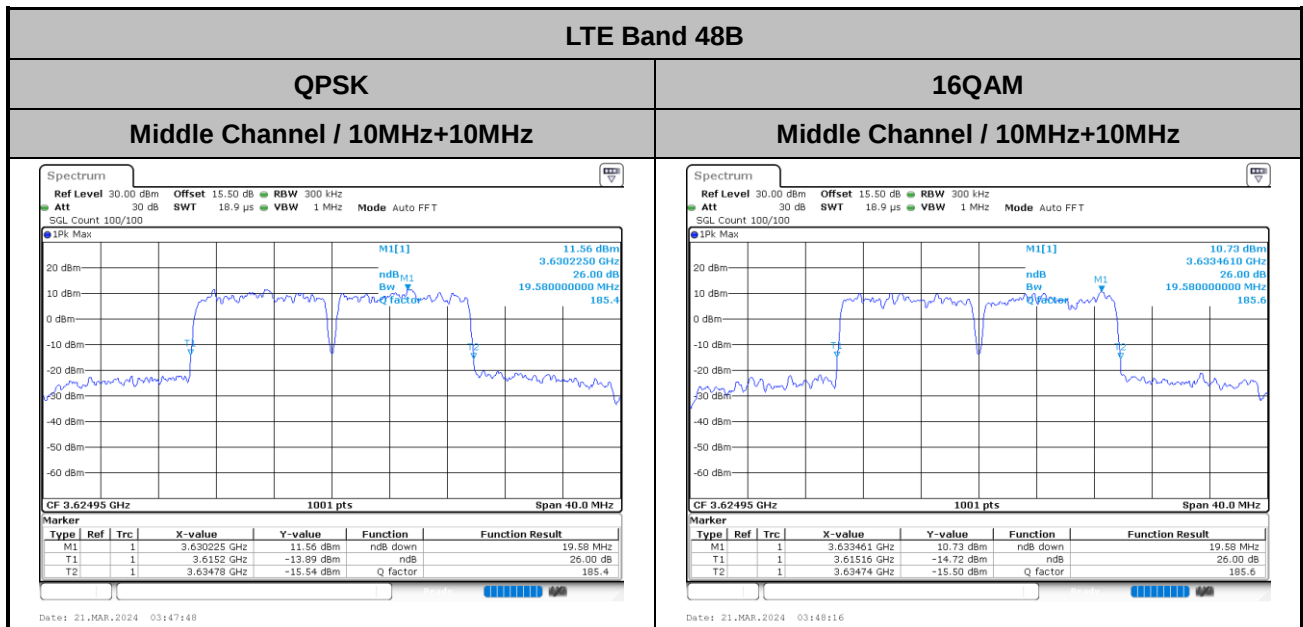
1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.3 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band CA_48B

26dB Bandwidth

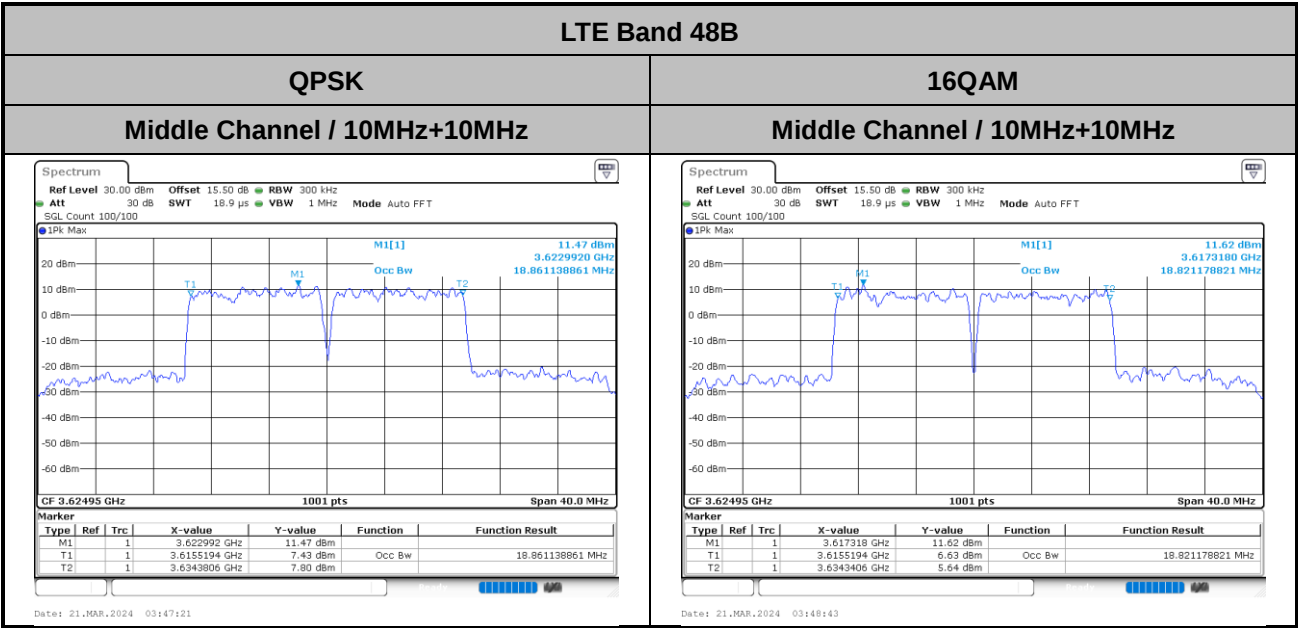
Mode	LTE Band 48B : 26dB BW(MHz)	
	10MHz+10MHz	
BW	QPSK	16QAM
Middle CH	19.58	19.58





Occupied Bandwidth

Mode	LTE Band 48B : 99%OBW(MHz)	
	10MHz+10MHz	
BW	QPSK	16QAM
Middle CH	18.86	18.82





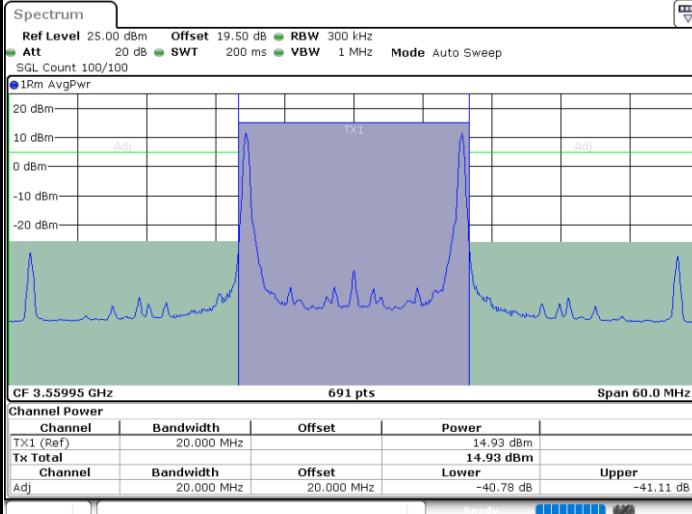
ACLR

LTE Band 48B / 10MHz+10MHz

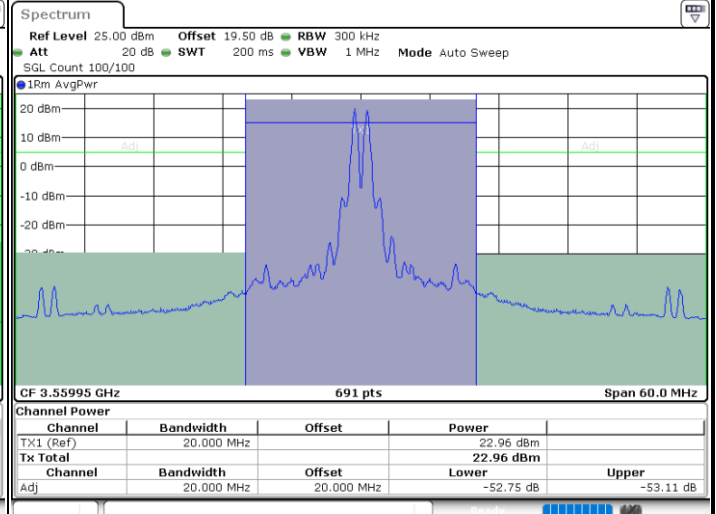
QPSK

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0



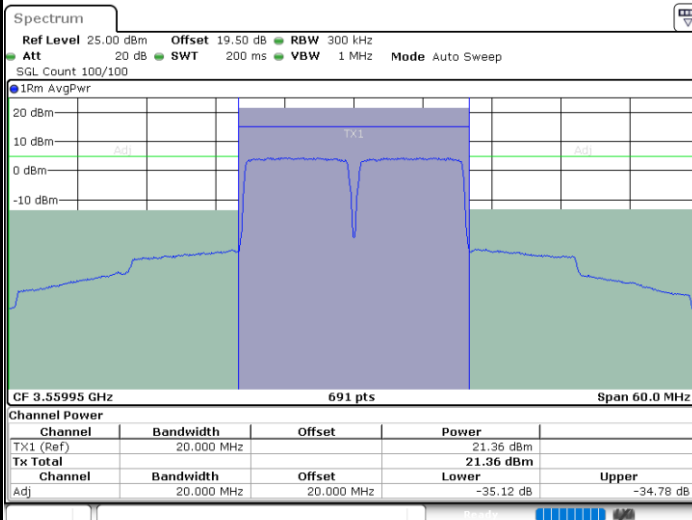
Date: 19.MAR.2024 13:40:04



Date: 19.MAR.2024 13:40:55

Lowest Channel / FullIRB

N/A



Date: 19.MAR.2024 13:35:45

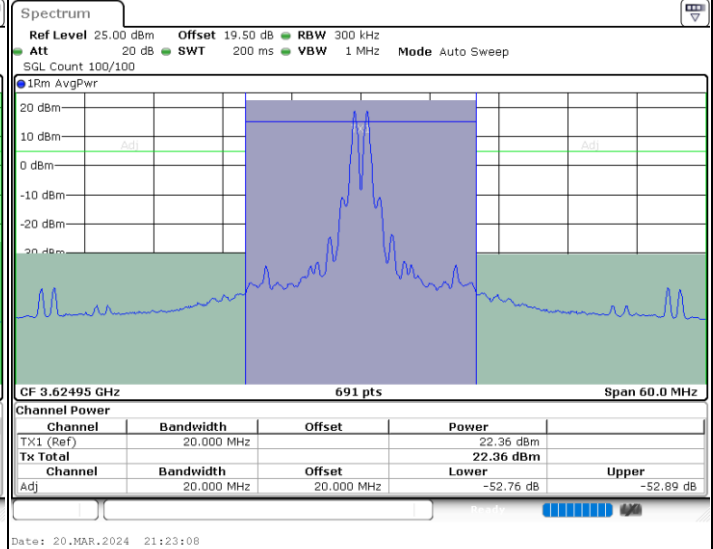
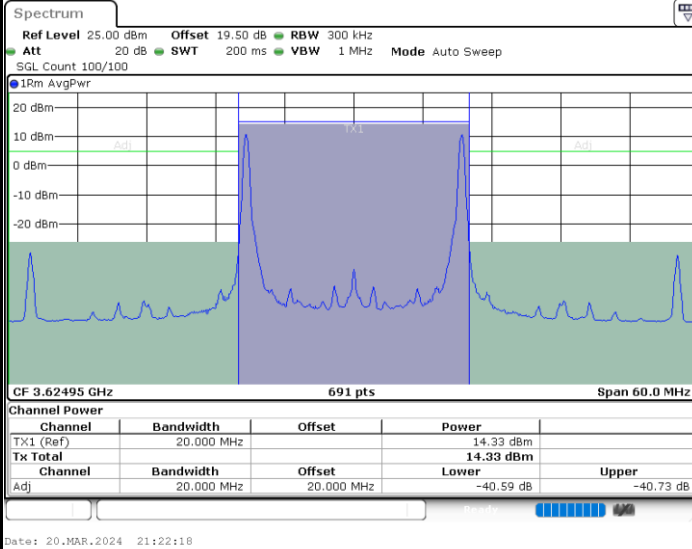


LTE Band 48B / 10MHz+10MHz

QPSK

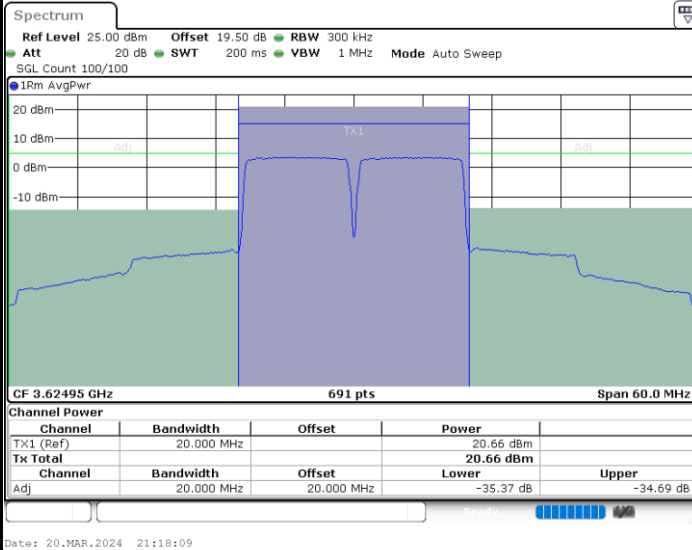
Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0



Middle Channel / FullRB

N/A



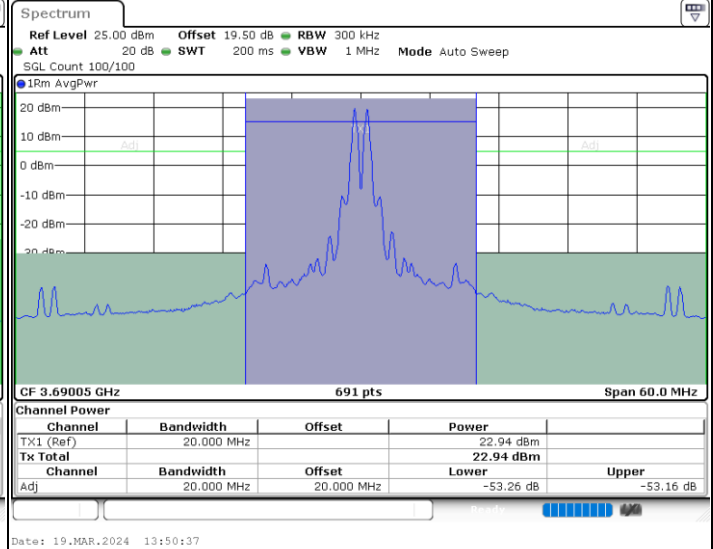
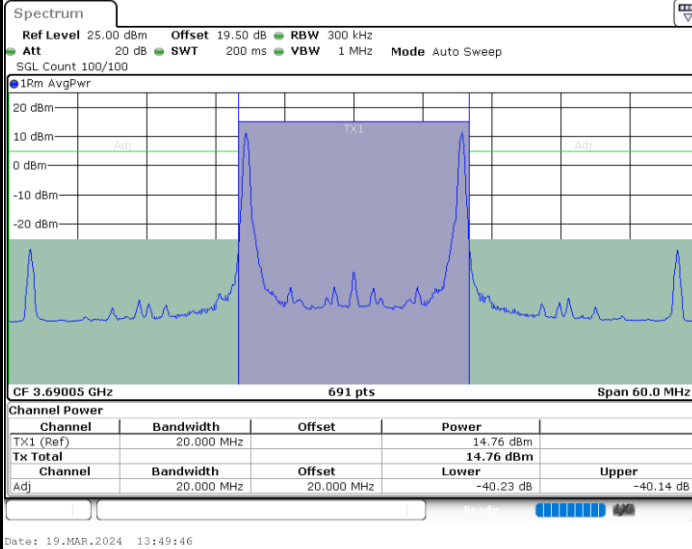


LTE Band 48B / 10MHz+10MHz

QPSK

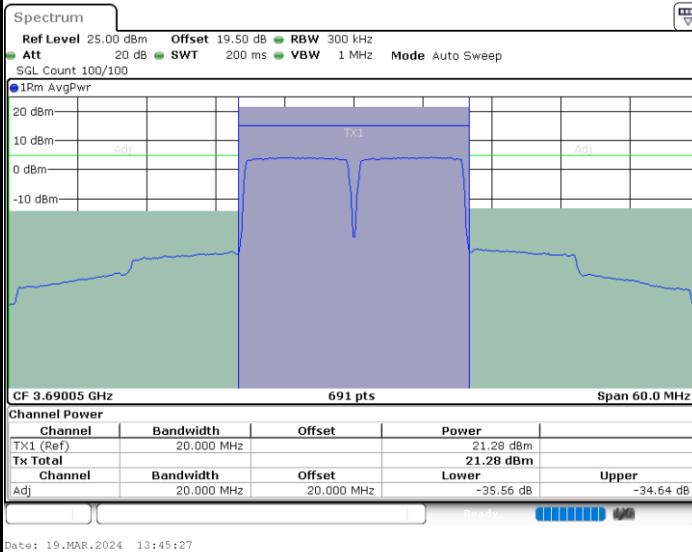
Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB49 and 1RB0



Highest Channel / FullRB

N/A



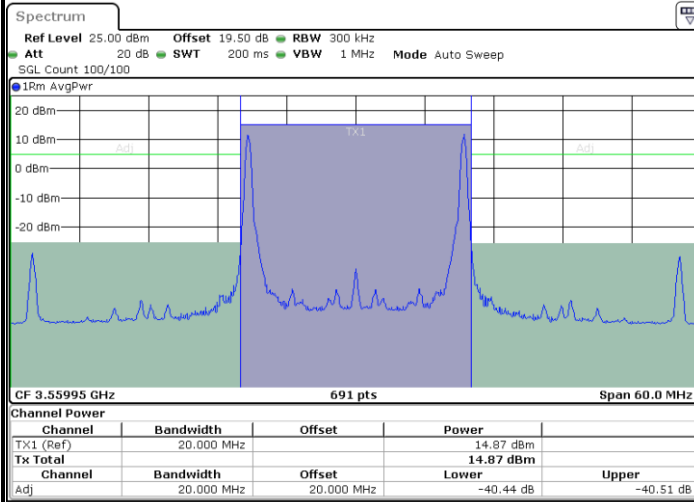


LTE Band 48B / 10MHz+10MHz

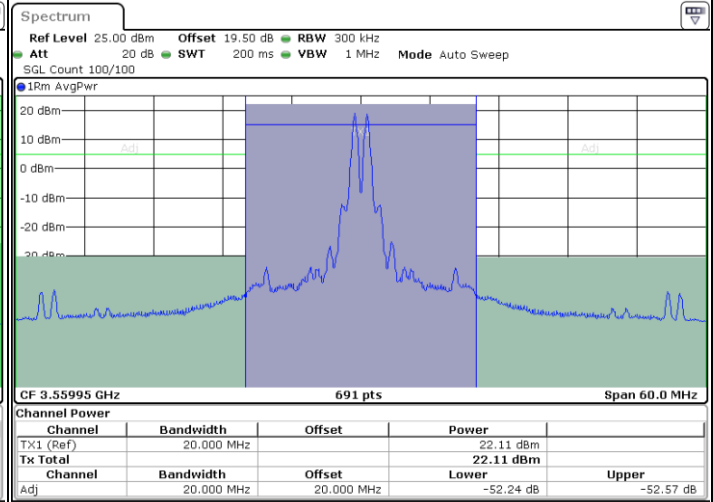
16QAM

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB49 and 1RB0



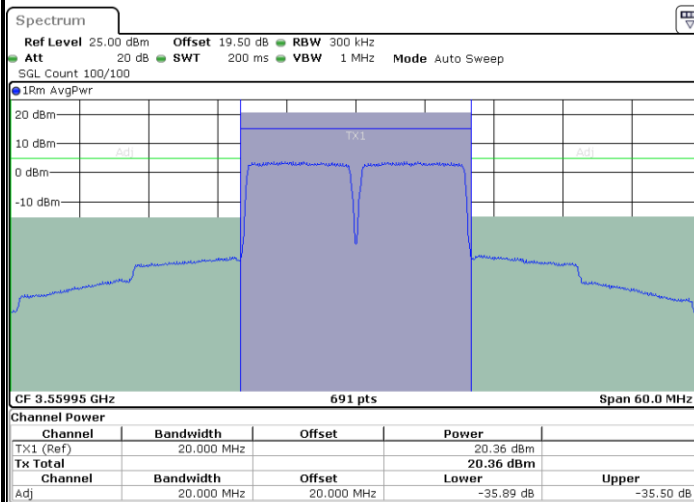
Date: 19.MAR.2024 13:39:12



Date: 19.MAR.2024 13:41:47

Lowest Channel / FullRB

N/A



Date: 19.MAR.2024 13:36:37

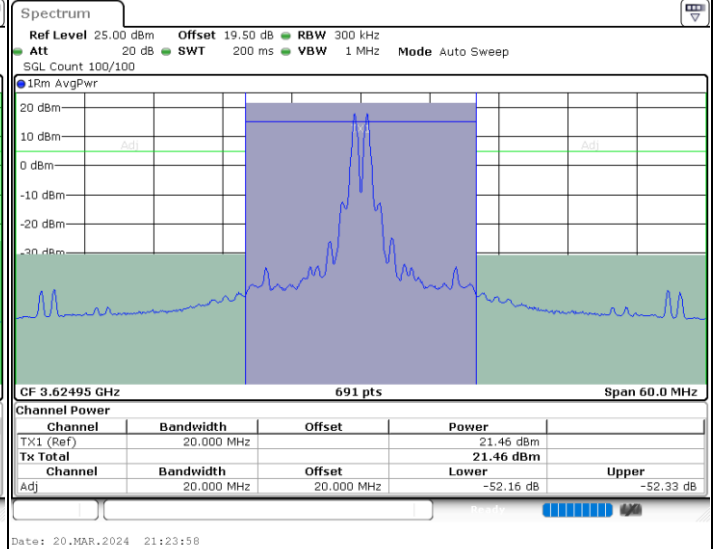
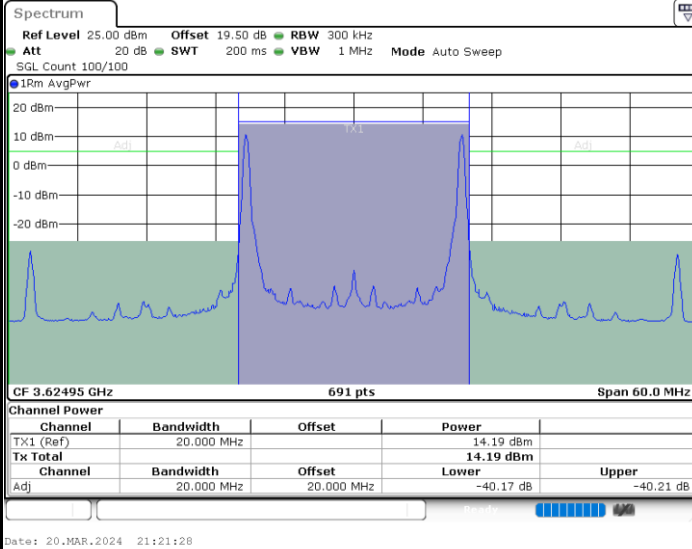


LTE Band 48B / 10MHz+10MHz

16QAM

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB49 and 1RB0



Middle Channel / FullRB

N/A

