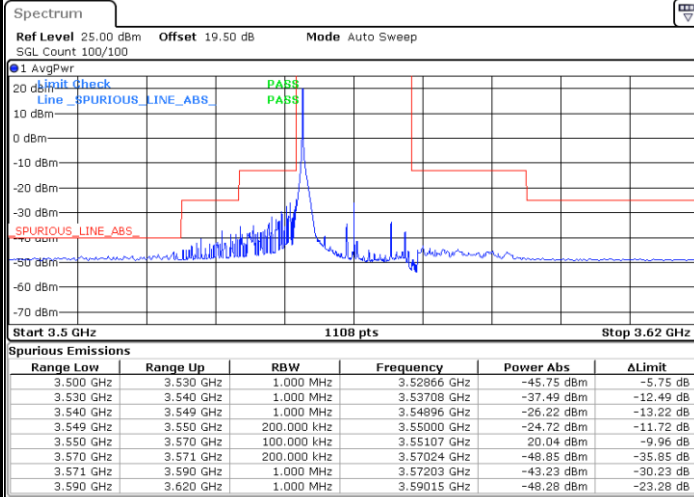




LTE Band 48 / 20MHz

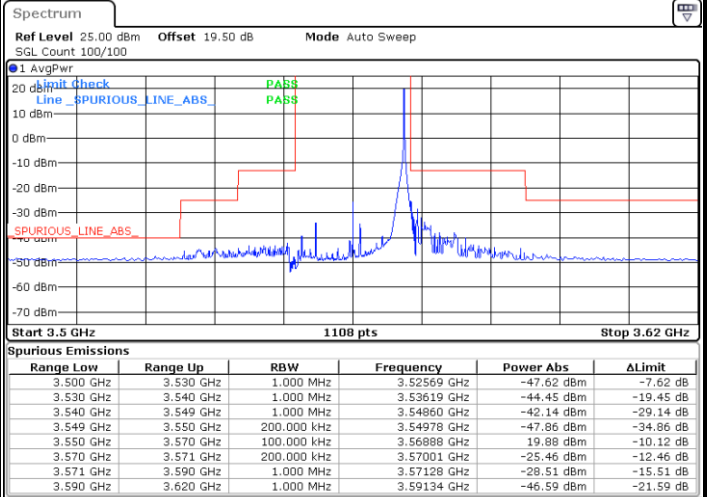
QPSK

Lowest Channel / 1RB0



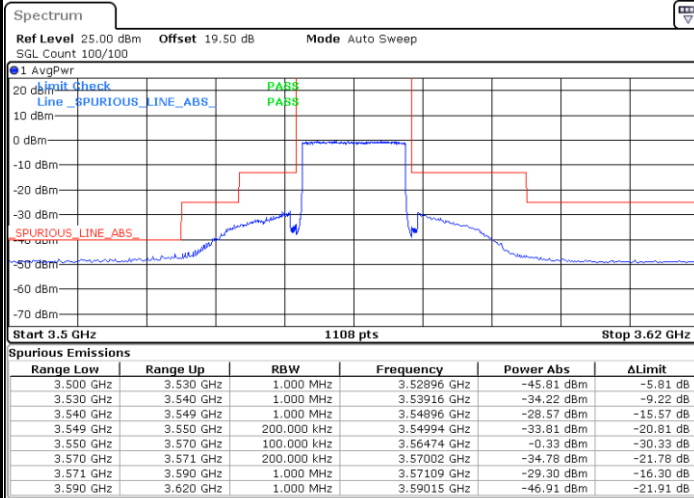
Date: 27 MAR 2024 23:56:15

Lowest Channel / 1RBmax



Date: 28 MAR 2024 00:06:49

Lowest Channel / FullIRB



Date: 28 MAR 2024 00:08:56

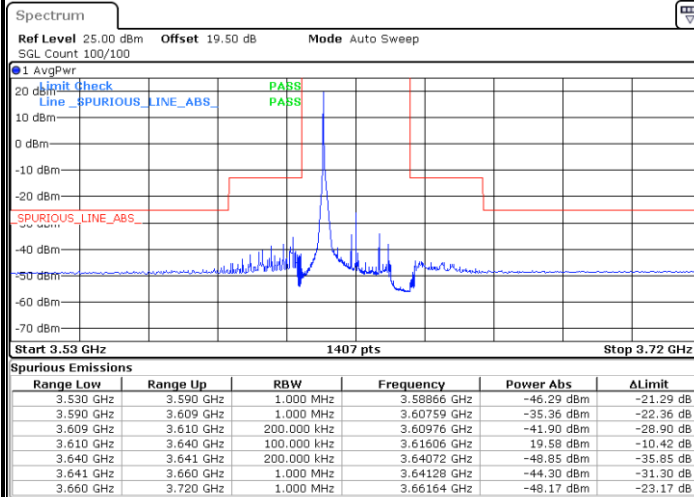
N/A



LTE Band 48 / 20MHz

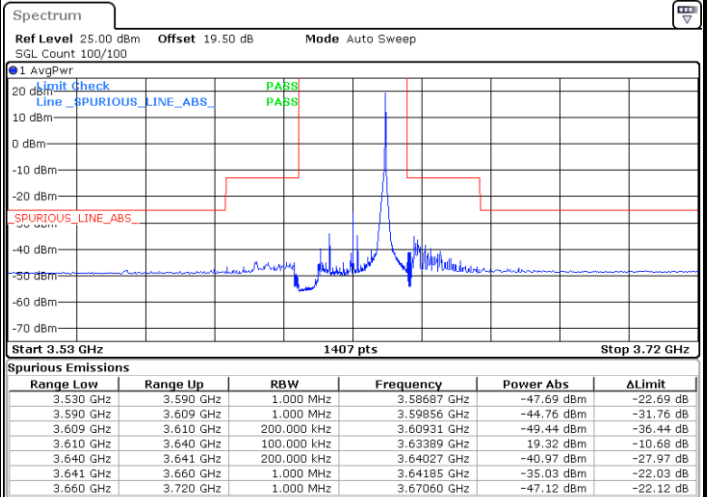
QPSK

Middle Channel / 1RB0



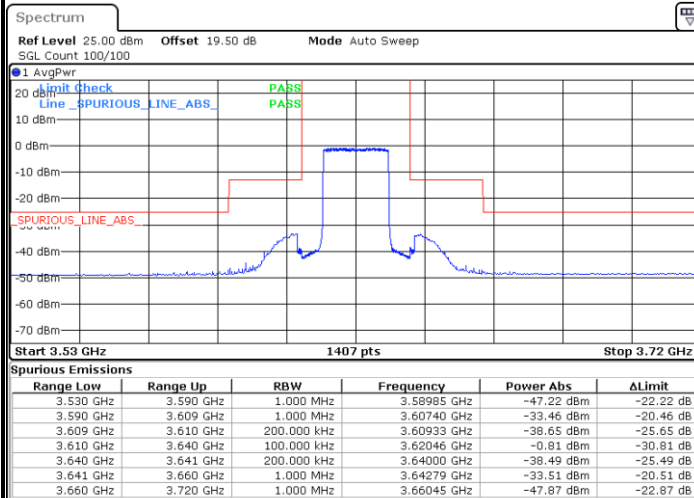
Date: 28 MAR 2024 00:42:01

Middle Channel / 1RBmax



Date: 28 MAR 2024 00:31:31

Middle Channel / FullRB



Date: 28 MAR 2024 00:29:25

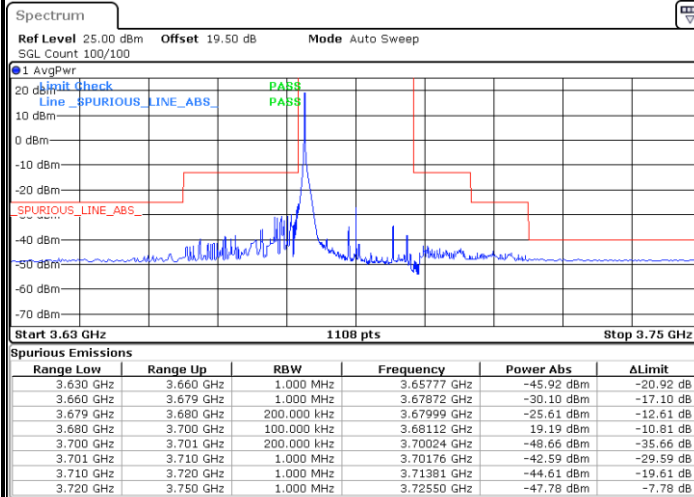
N/A



LTE Band 48 / 20MHz

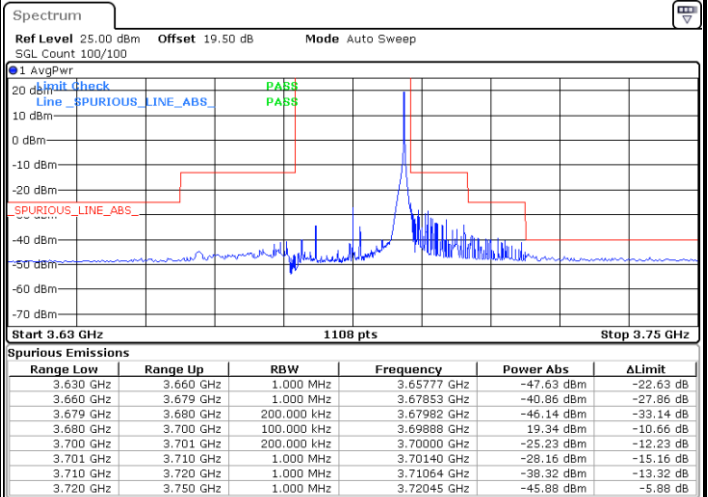
QPSK

Highest Channel / 1RB0



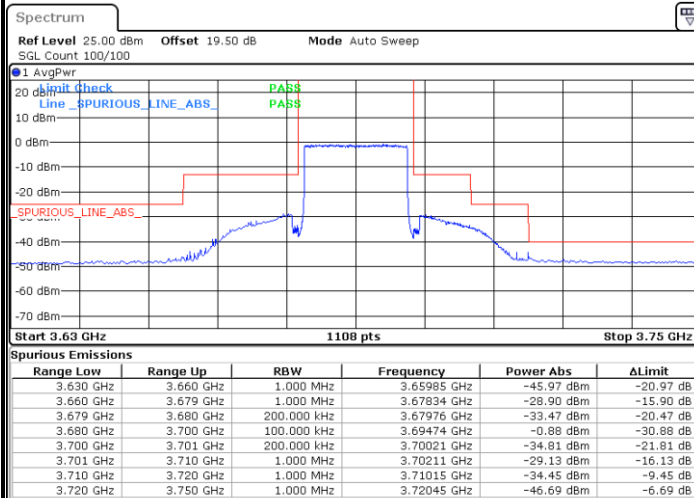
Date: 28 MAR 2024 00:56:53

Highest Channel / 1RBmax



Date: 28 MAR 2024 01:07:24

Highest Channel / FullRB



Date: 28 MAR 2024 01:09:31

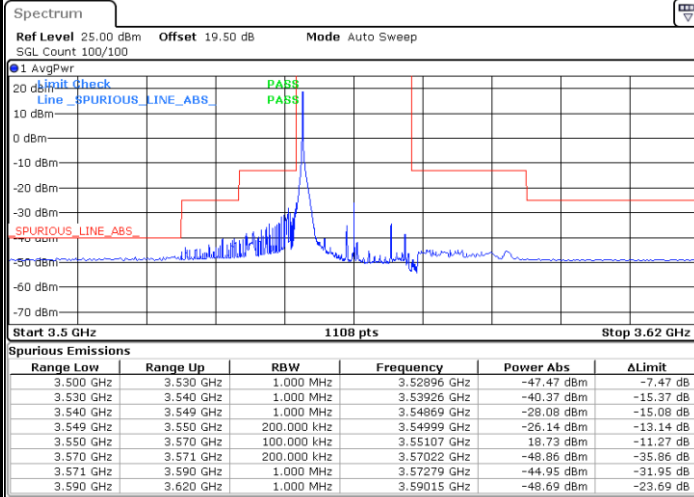
N/A



LTE Band 48 / 20MHz

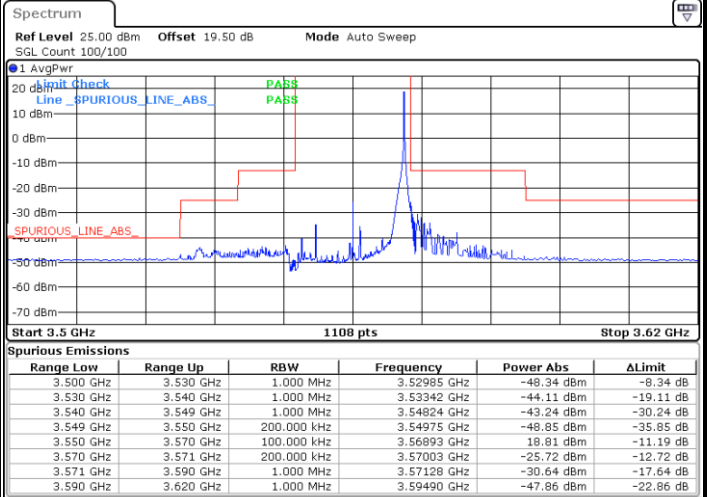
16QAM

Lowest Channel / 1RB0



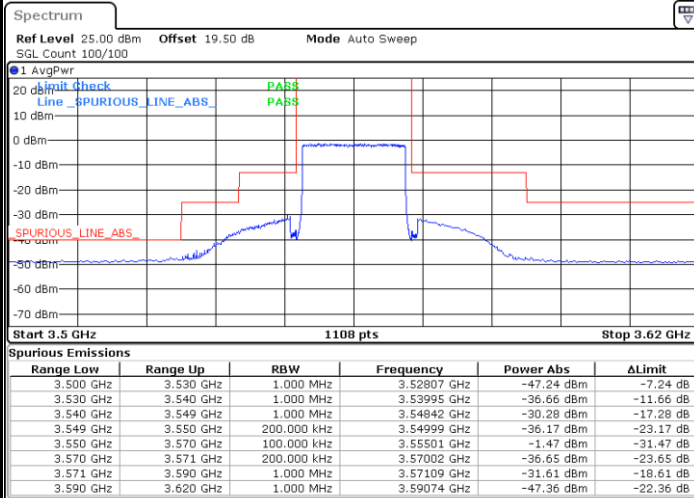
Date: 27 MAR 2024 23:58:22

Lowest Channel / 1RBmax



Date: 28 MAR 2024 00:04:42

Lowest Channel / FullIRB



Date: 28 MAR 2024 00:11:03

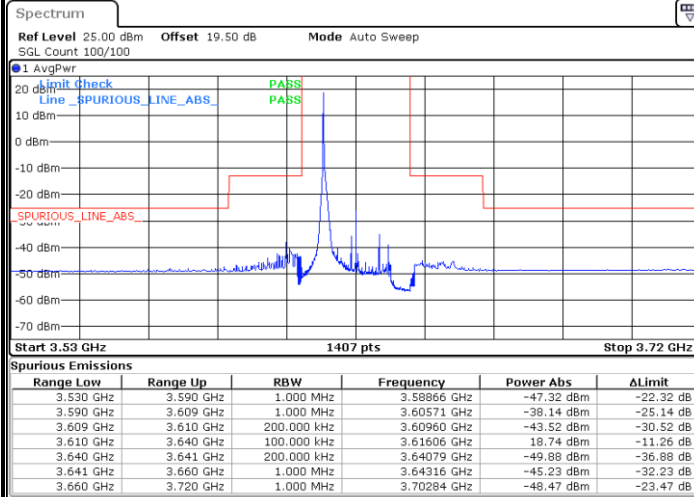
N/A



LTE Band 48 / 20MHz

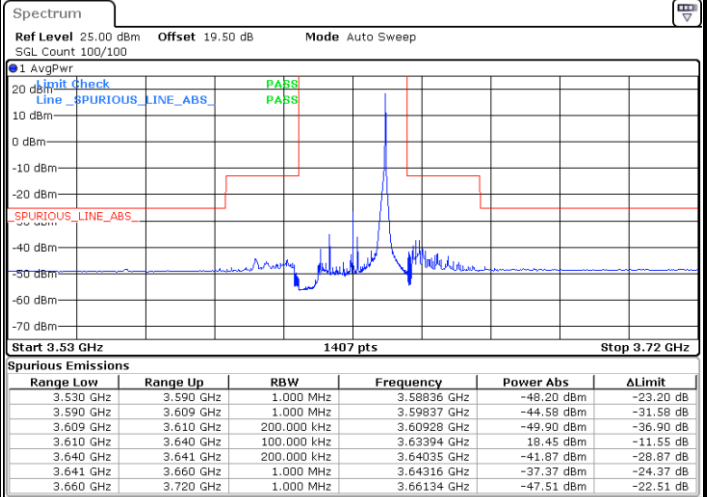
16QAM

Middle Channel / 1RB0



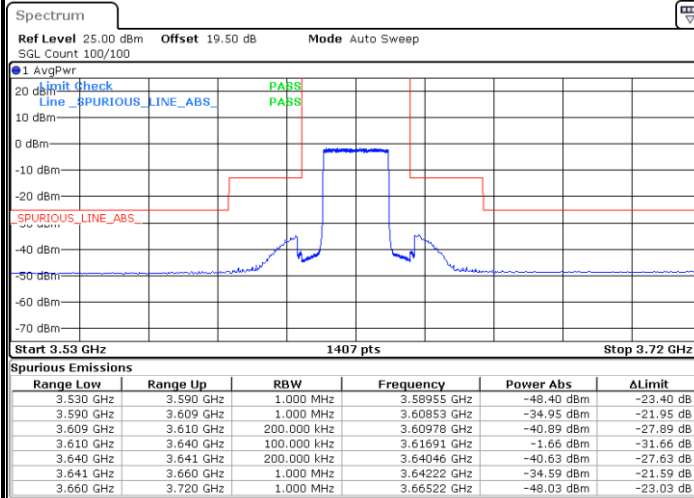
Date: 28 MAR 2024 00:39:55

Middle Channel / 1RBmax



Date: 28 MAR 2024 00:33:37

Middle Channel / FullIRB



Date: 28 MAR 2024 00:27:19

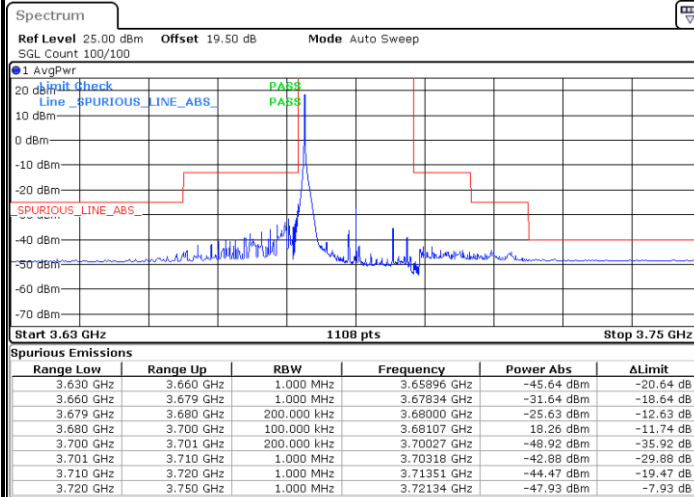
N/A



LTE Band 48 / 20MHz

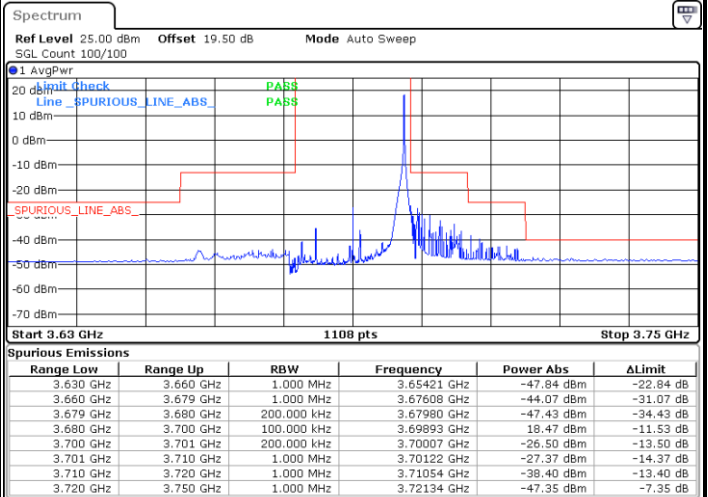
16QAM

Highest Channel / 1RB0



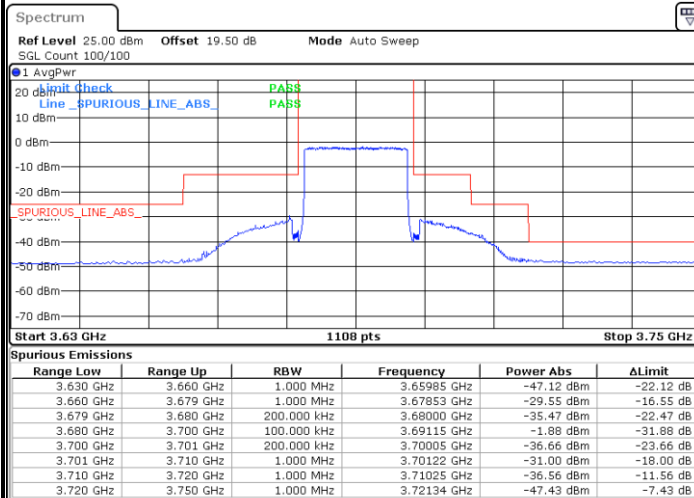
Date: 28 MAR 2024 00:58:59

Highest Channel / 1RBmax



Date: 28 MAR 2024 01:05:18

Highest Channel / FullRB



Date: 28 MAR 2024 01:11:37

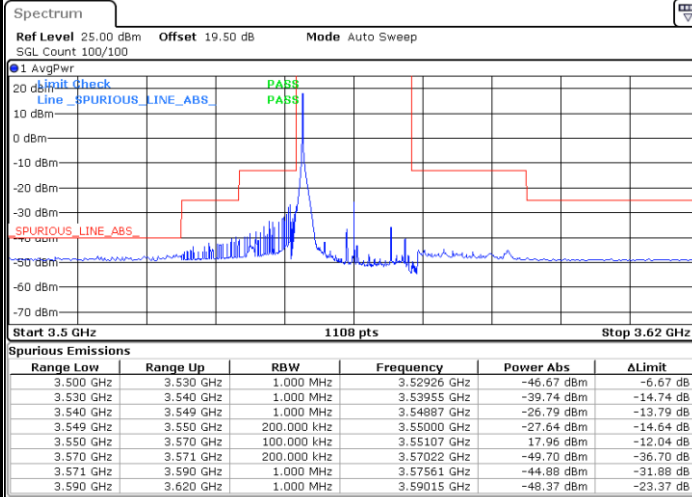
N/A



LTE Band 48 / 20MHz

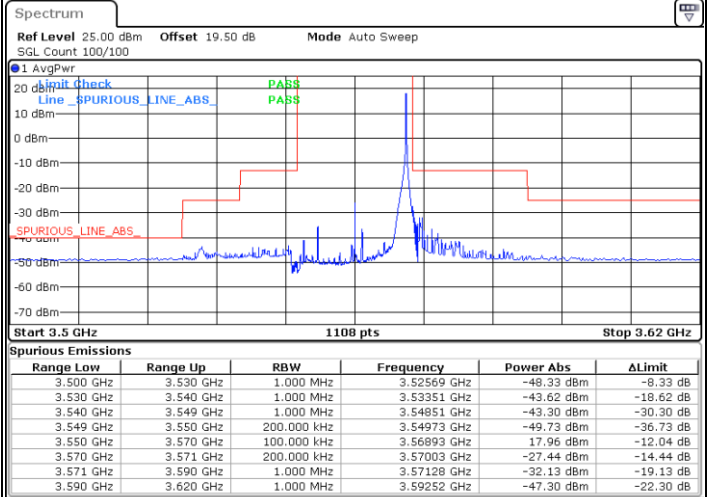
64QAM

Lowest Channel / 1RB0



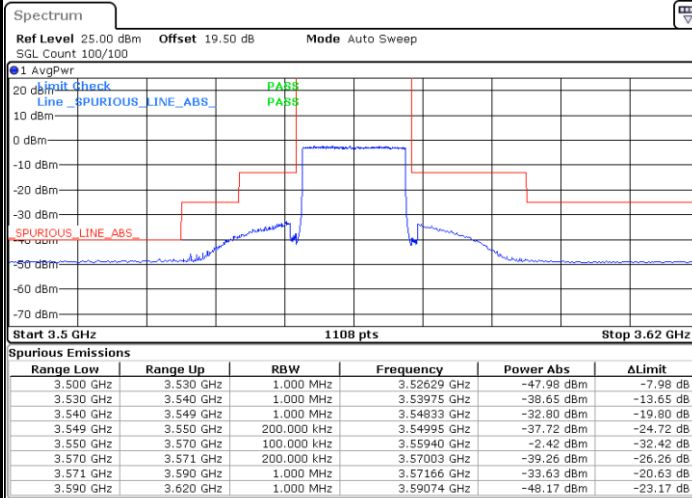
Date: 28 MAR 2024 00:00:28

Lowest Channel / 1RBmax



Date: 28 MAR 2024 00:00:35

Lowest Channel / FullIRB



Date: 28 MAR 2024 00:13:09

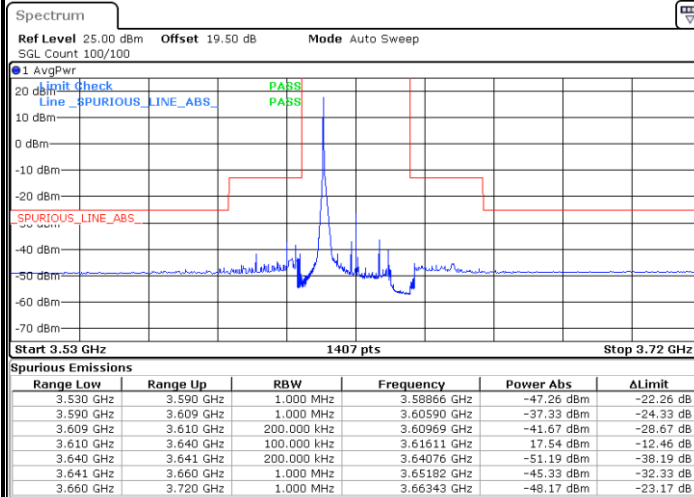
N/A



LTE Band 48 / 20MHz

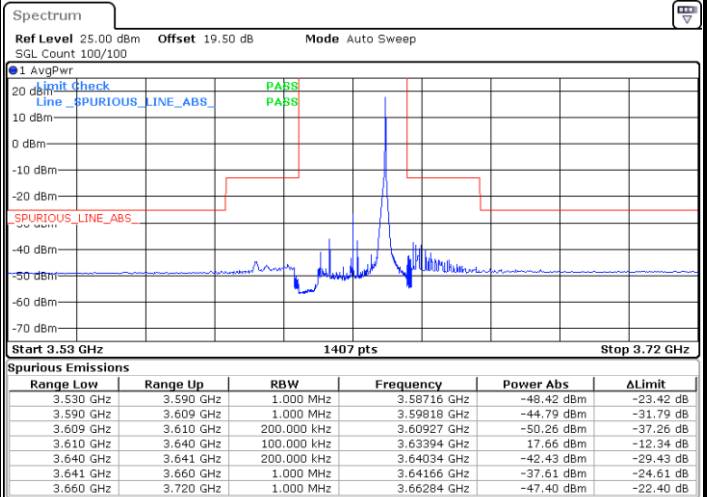
64QAM

Middle Channel / 1RB0



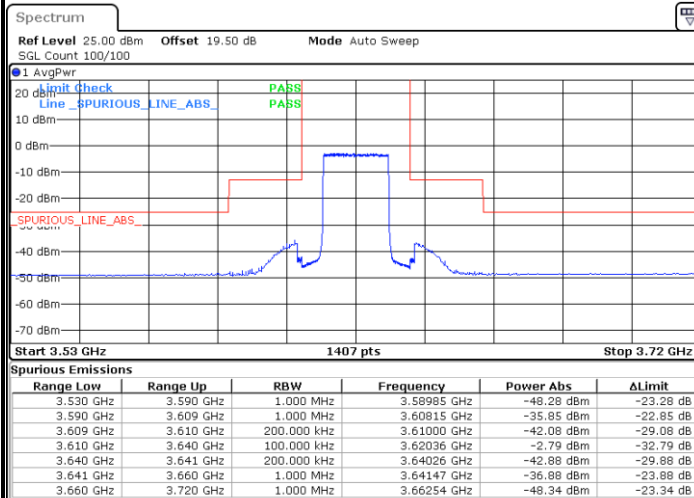
Date: 28 MAR 2024 00:37:49

Middle Channel / 1RBmax



Date: 28 MAR 2024 00:35:43

Middle Channel / FullIRB



Date: 28 MAR 2024 00:25:13

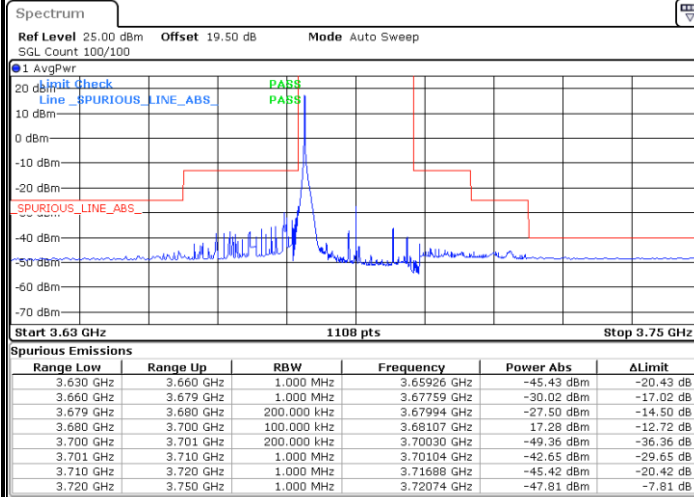
N/A



LTE Band 48 / 20MHz

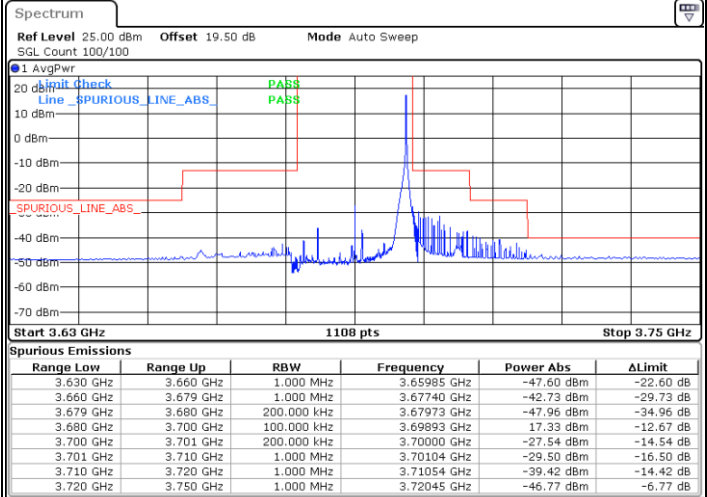
64QAM

Highest Channel / 1RB0



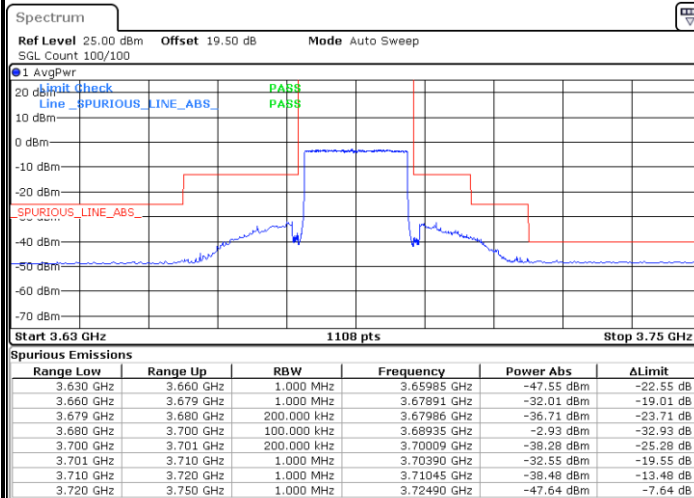
Date: 28 MAR 2024 01:01:05

Highest Channel / 1RBmax



Date: 28 MAR 2024 01:03:12

Highest Channel / FullRB



Date: 28 MAR 2024 01:13:43

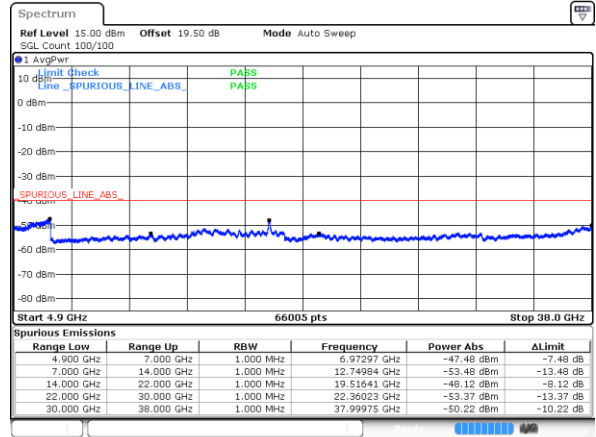
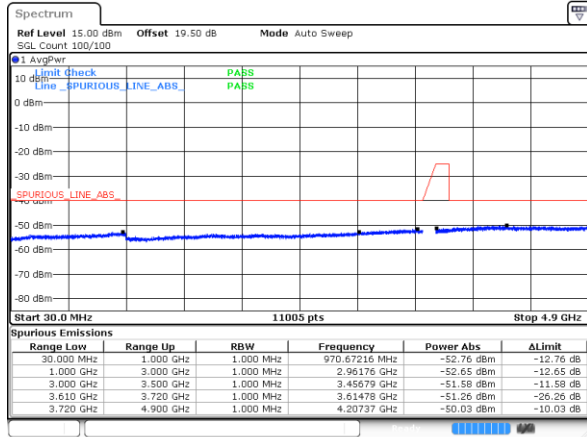
N/A



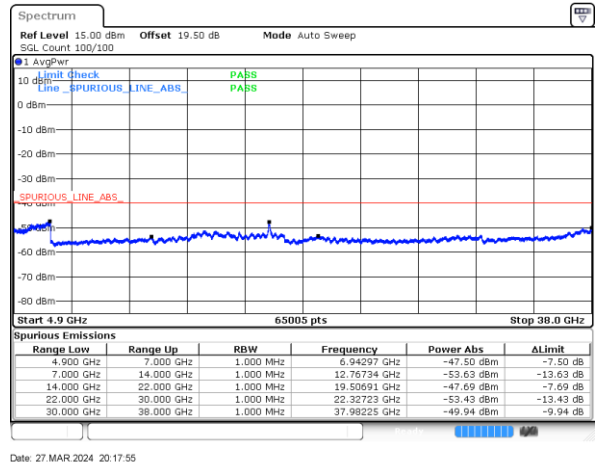
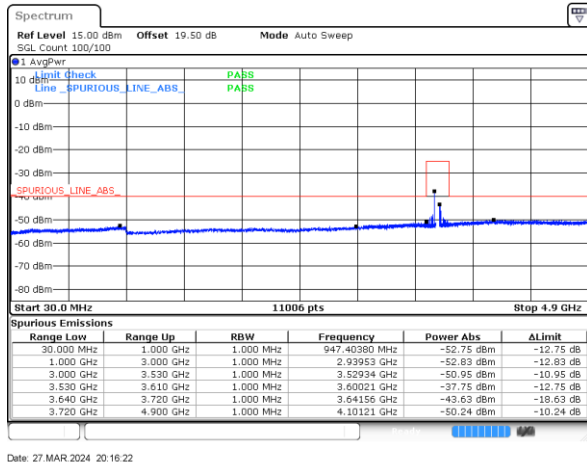
Conducted Spurious Emission

LTE Band 48 / 5MHz

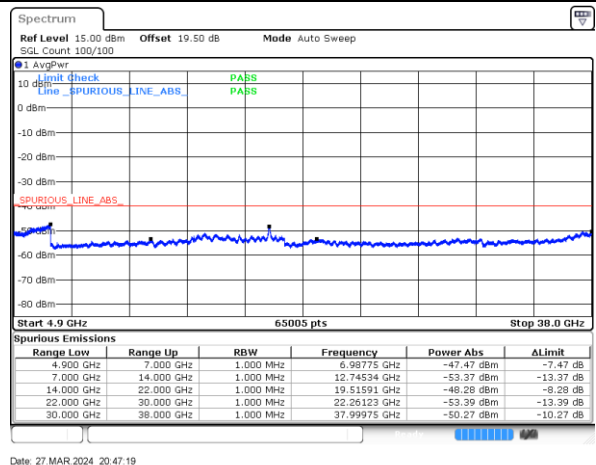
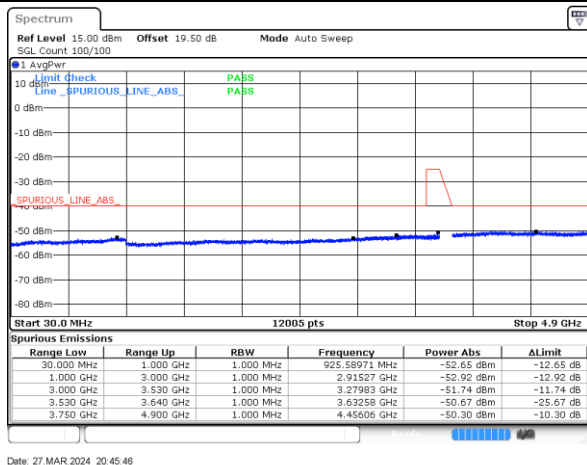
Lowest Channel / QPSK



Middle Channel / QPSK



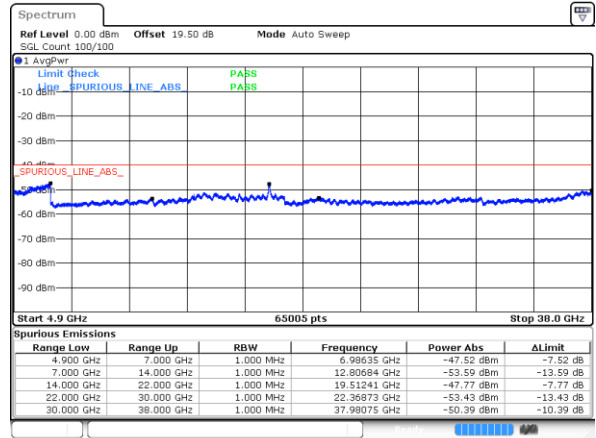
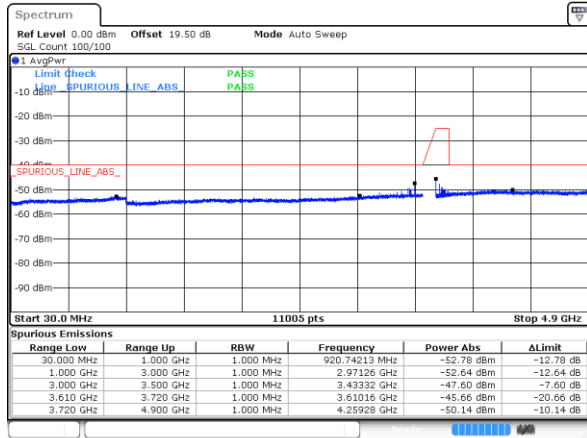
Highest Channel / QPSK



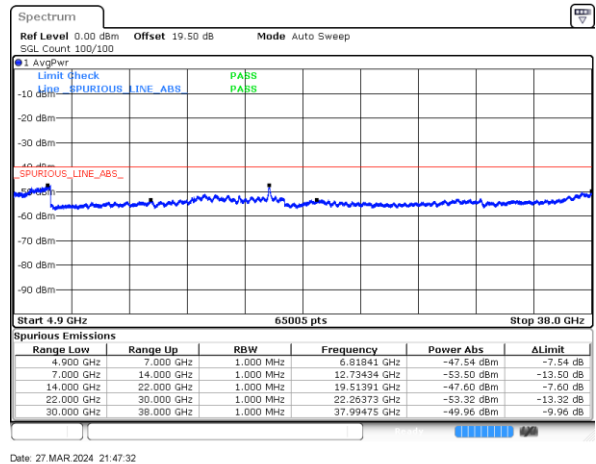
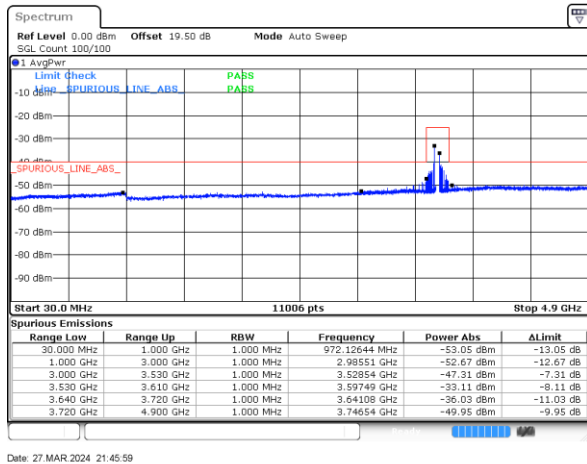


LTE Band 48 / 10MHz

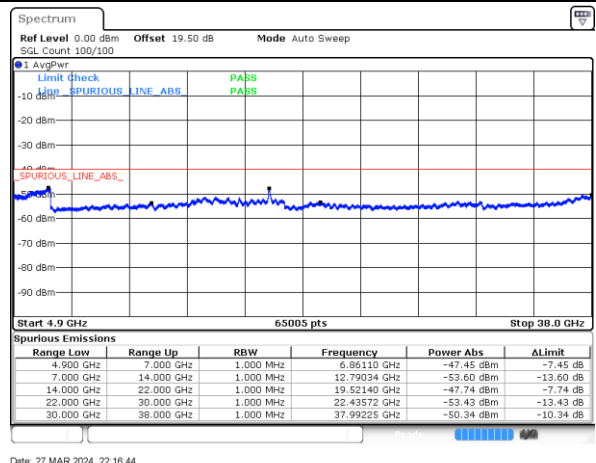
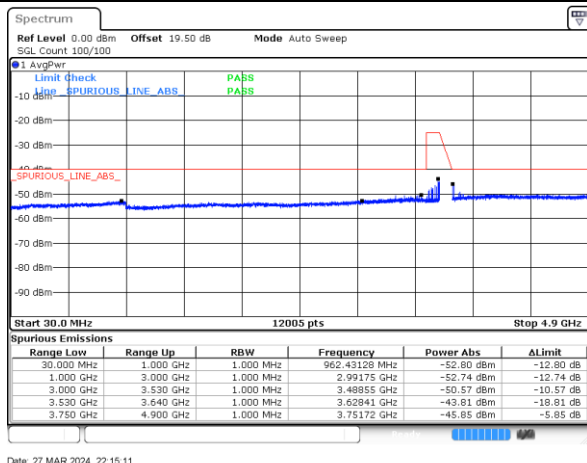
Lowest Channel / QPSK



Middle Channel / QPSK



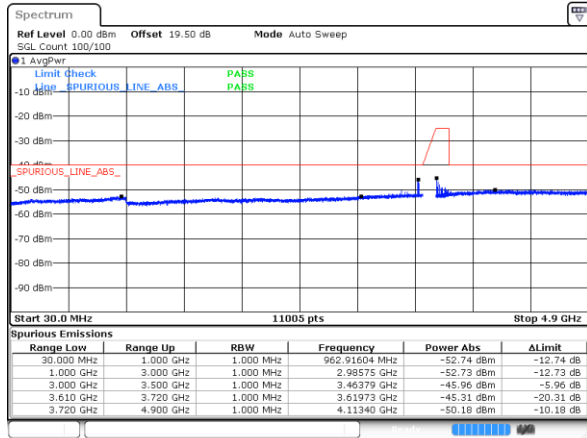
Highest Channel / QPSK



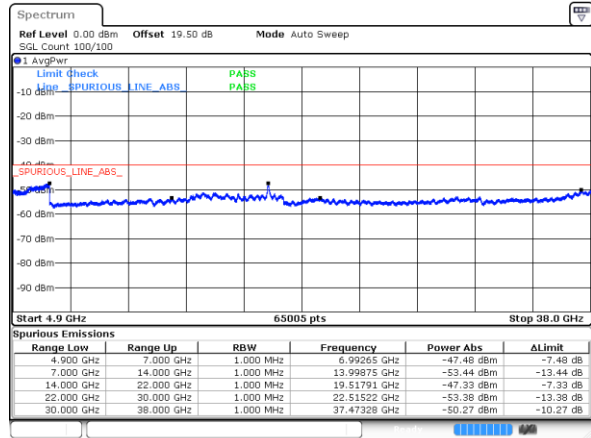


LTE Band 48 / 15MHz

Lowest Channel / QPSK

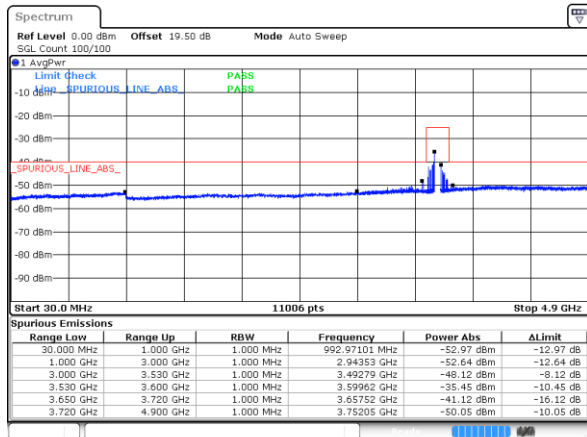


Date: 27 MAR 2024 22:45:37

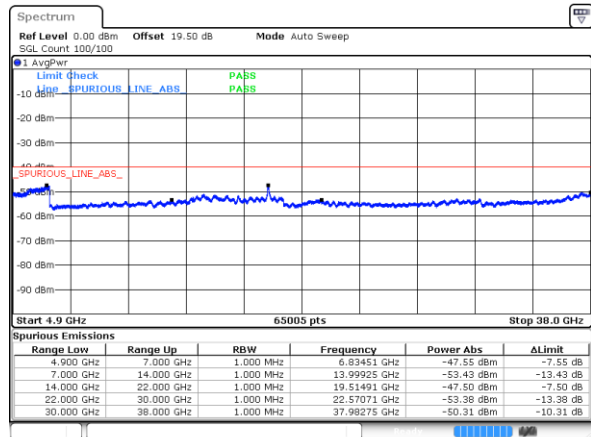


Date: 27 MAR 2024 22:47:10

Middle Channel / QPSK

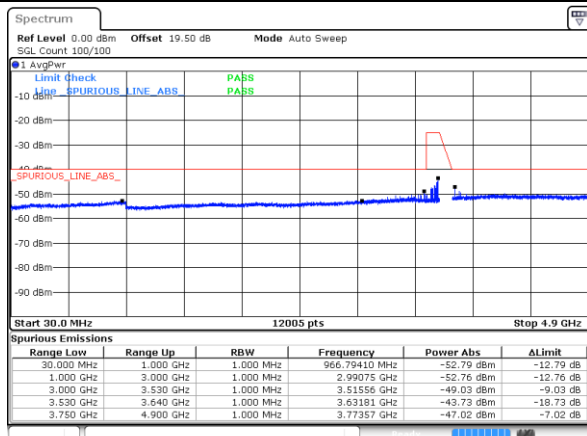


Date: 27 MAR 2024 23:15:55

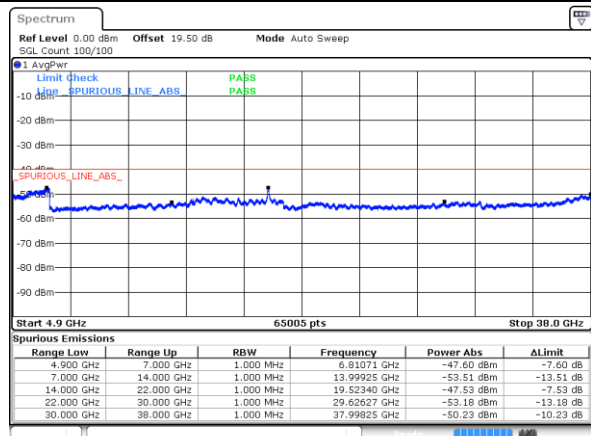


Date: 27 MAR 2024 23:17:28

Highest Channel / QPSK



Date: 27 MAR 2024 23:45:07

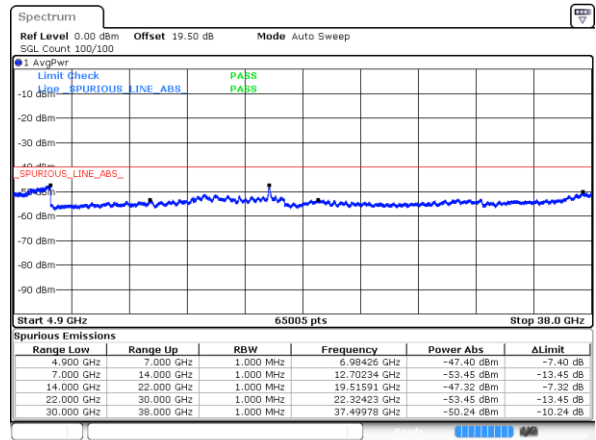
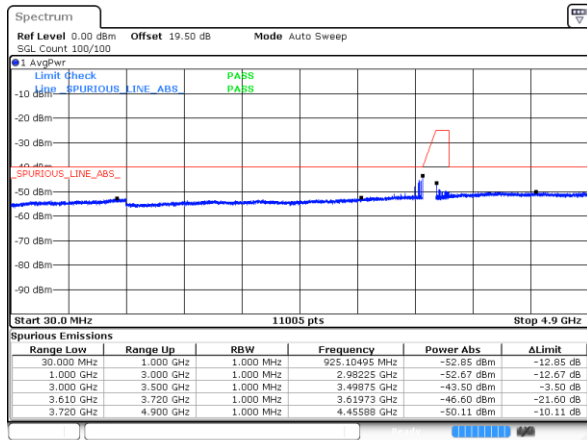


Date: 27 MAR 2024 23:46:40

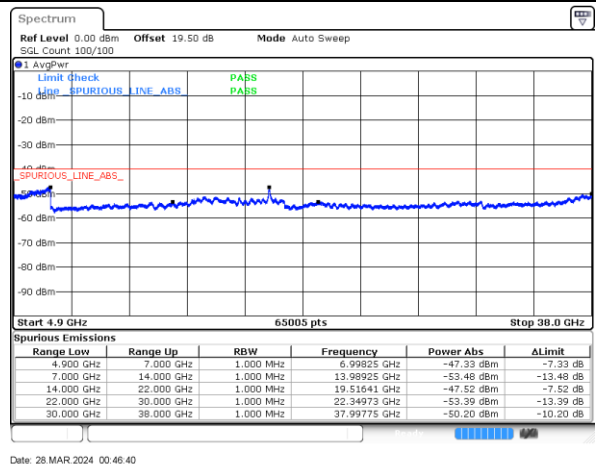
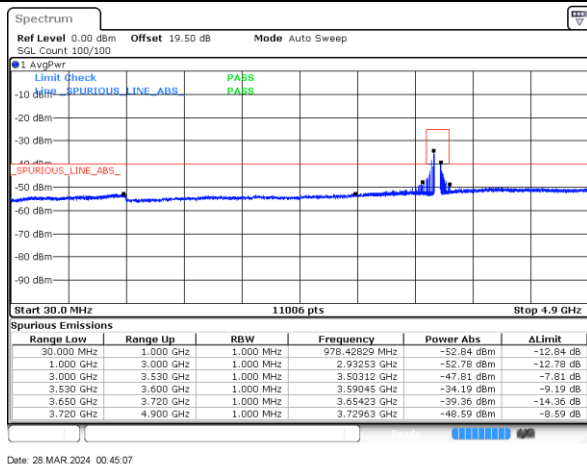


LTE Band 48 / 20MHz

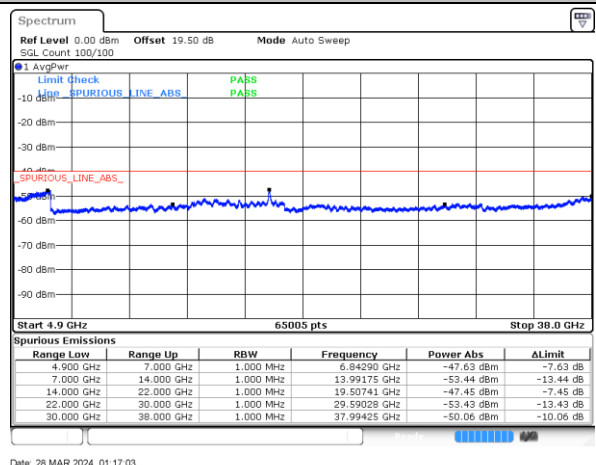
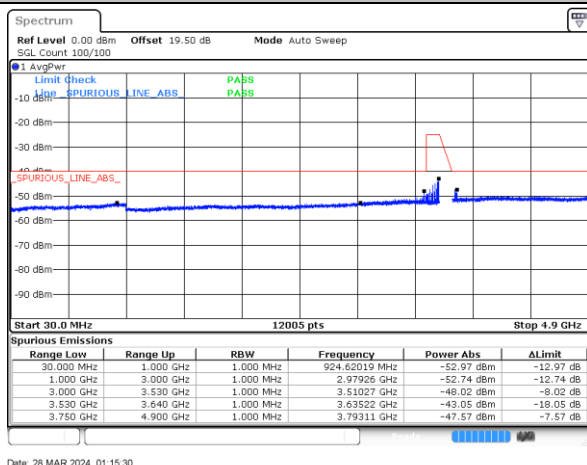
Lowest Channel / QPSK



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	0.0002	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0004	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage (ACLRP) = 3.14 V. ; Maximum Voltage = 4.4 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	24.88	29.85	34.83	25.23
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	35.04	39.80	-

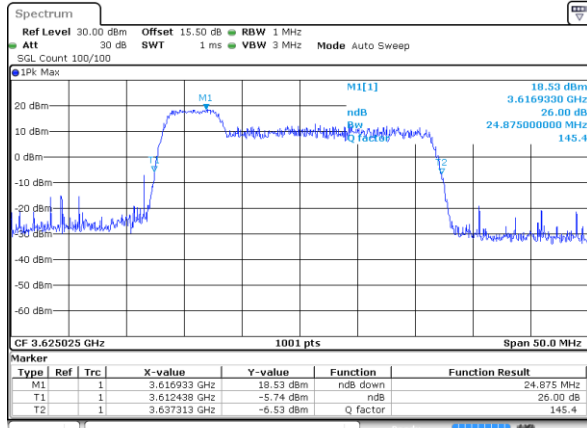
Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.93	29.97	35.04	25.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	34.90	39.88	-



LTE Band 48C

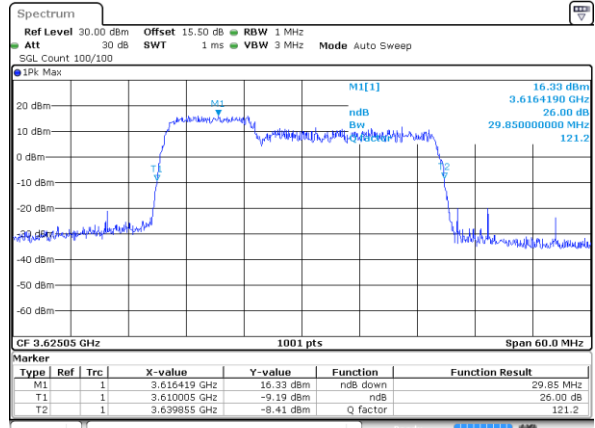
QPSK

Middle Channel / 5MHz+20MHz



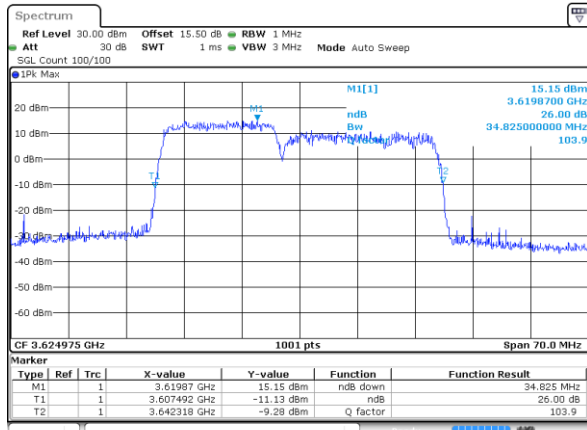
Date: 28 MAR 2024 20:09:40

Middle Channel / 10MHz+20MHz



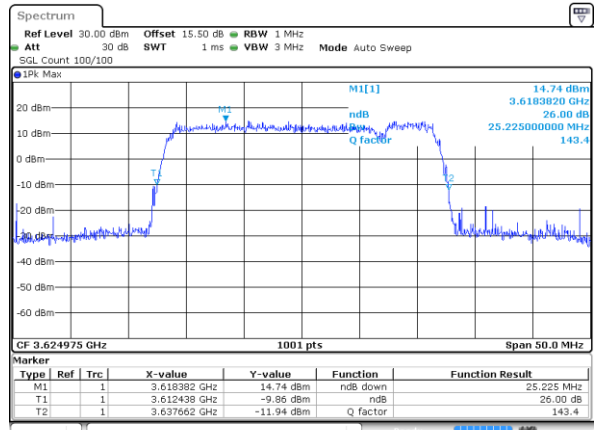
Date: 29 MAR 2024 13:49:59

Middle Channel / 15MHz+20MHz



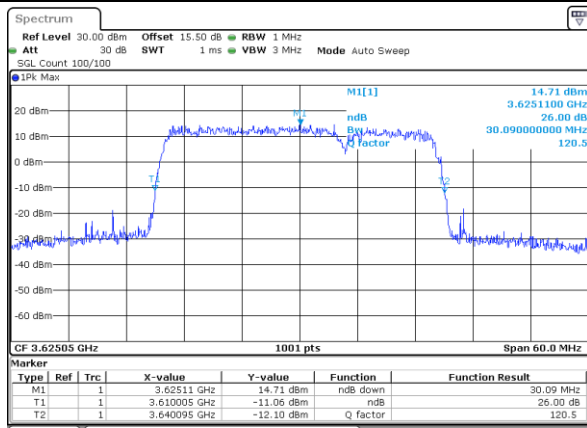
Date: 29 MAR 2024 13:43:38

Middle Channel / 20MHz+5MHz



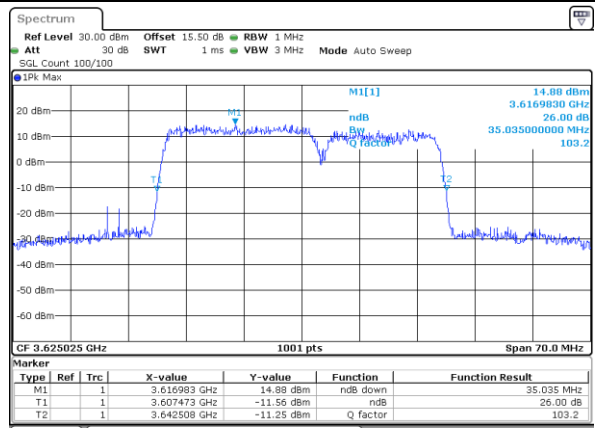
Date: 29 MAR 2024 13:46:43

Middle Channel / 20MHz+10MHz

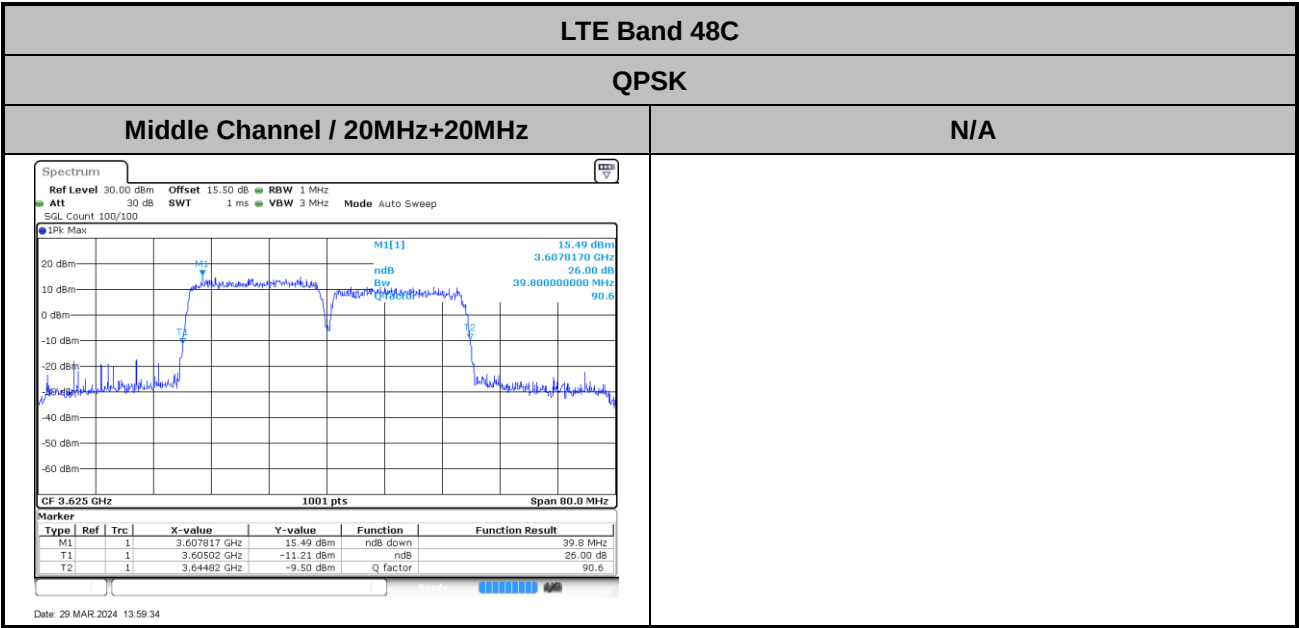


Date: 29 MAR 2024 13:52:59

Middle Channel / 20MHz+15MHz



Date: 29 MAR 2024 09:26:45

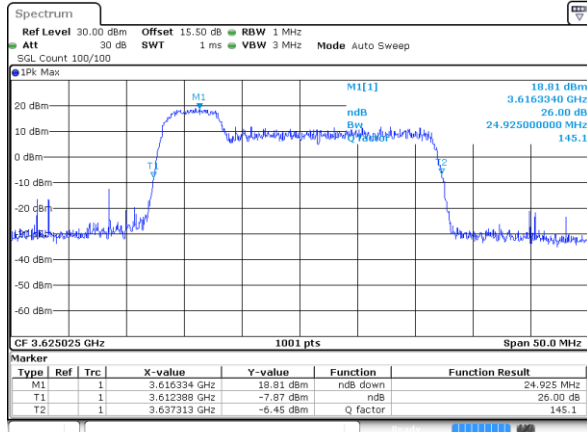




LTE Band 48C

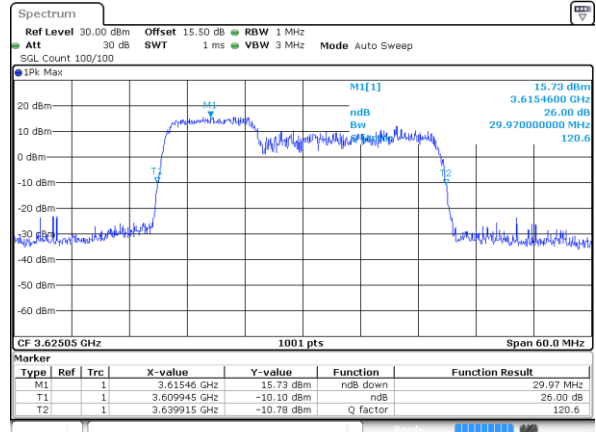
16QAM

Middle Channel / 5MHz+20MHz



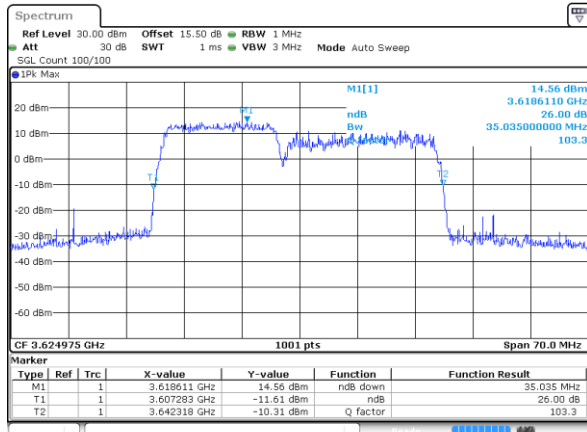
Date: 28 MAR 2024 20:10:17

Middle Channel / 10MHz+20MHz



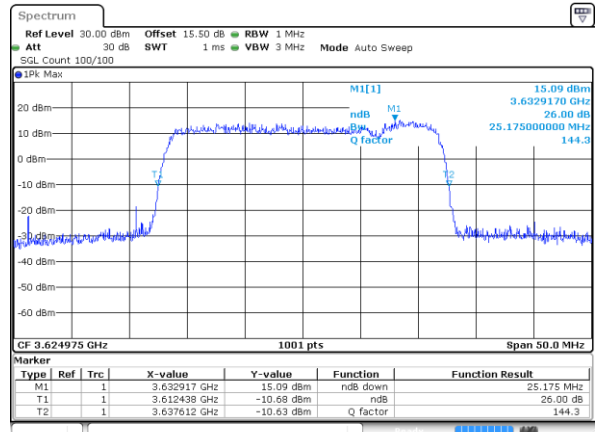
Date: 29 MAR 2024 13:50:58

Middle Channel / 15MHz+20MHz



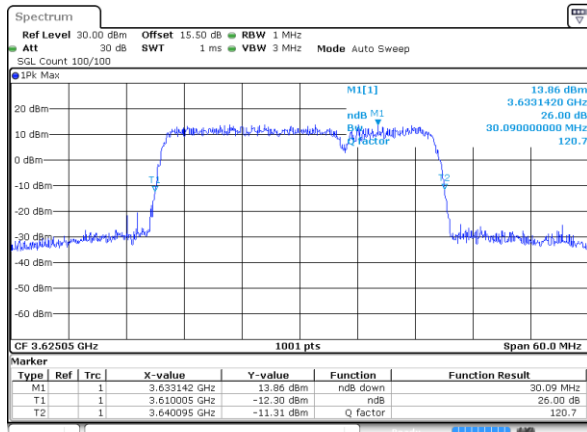
Date: 29 MAR 2024 13:40:34

Middle Channel / 20MHz+5MHz



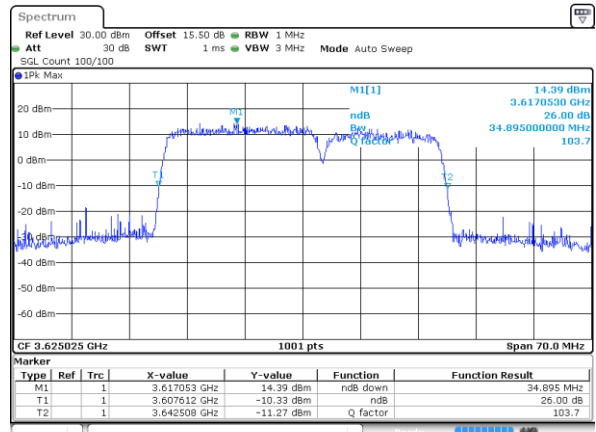
Date: 29 MAR 2024 13:47:44

Middle Channel / 20MHz+10MHz

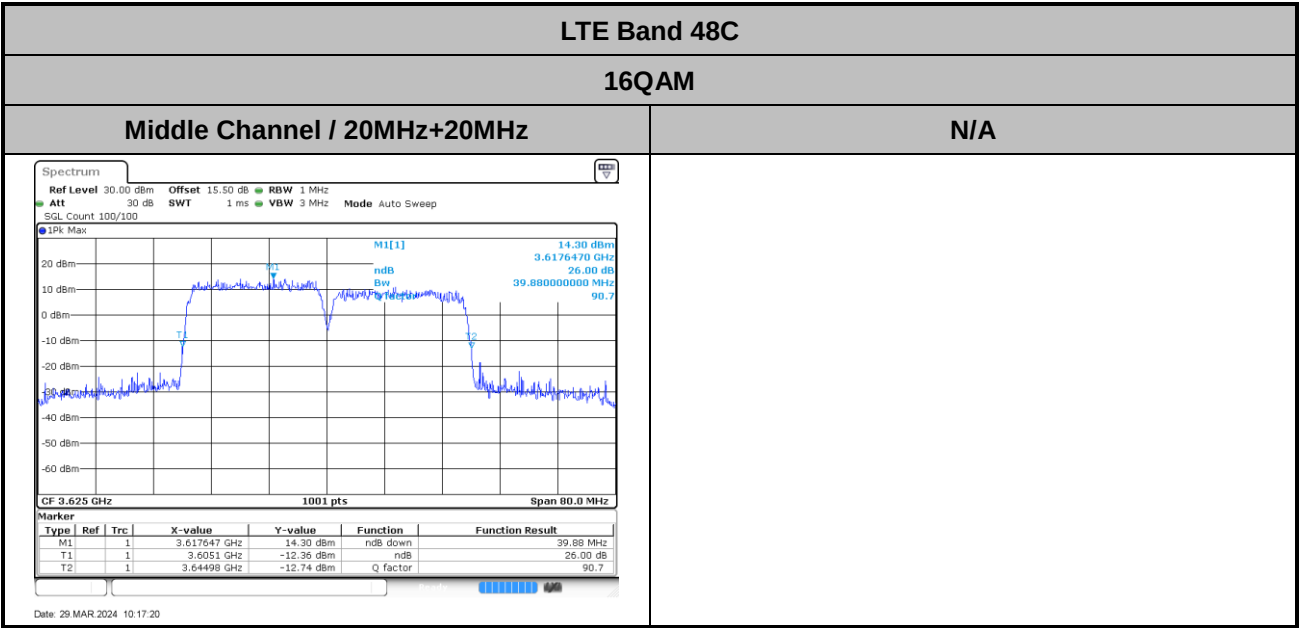


Date: 29 MAR 2024 13:53:34

Middle Channel / 20MHz+15MHz



Date: 29 MAR 2024 13:55:26



**Occupied Bandwidth**

Mode	LTE Band 48C : 99%OBW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.08	27.87	32.80	23.28
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.93	32.73	37.48	-

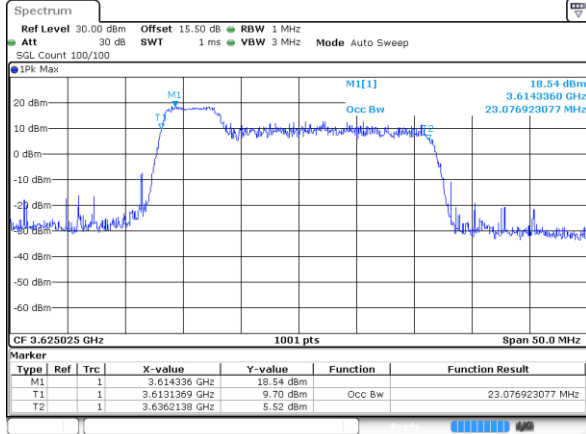
Mode	LTE Band 48C : 99%OBW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.08	27.93	32.66	23.28
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.87	32.80	37.64	-



LTE Band 48C

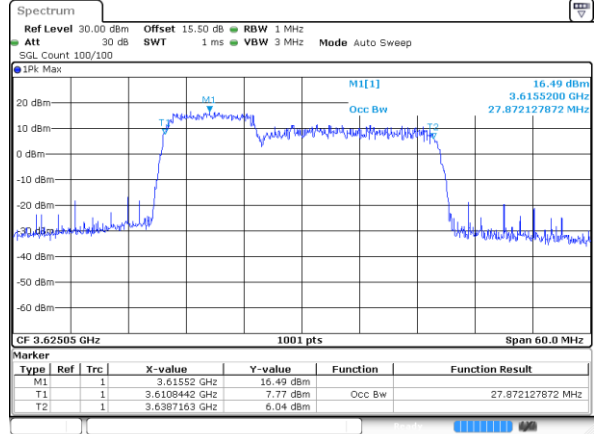
QPSK

Middle Channel / 5MHz+20MHz



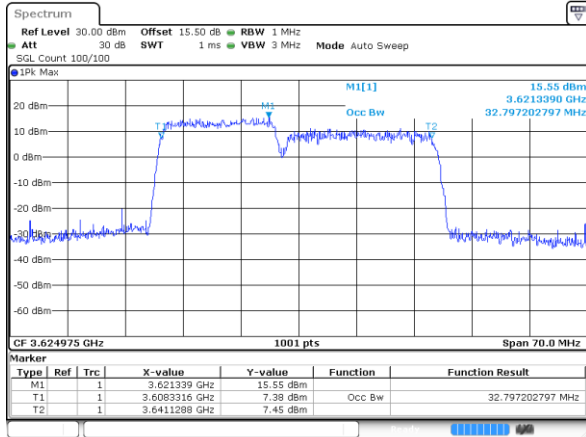
Date: 28 MAR 2024 20:09:04

Middle Channel / 10MHz+20MHz



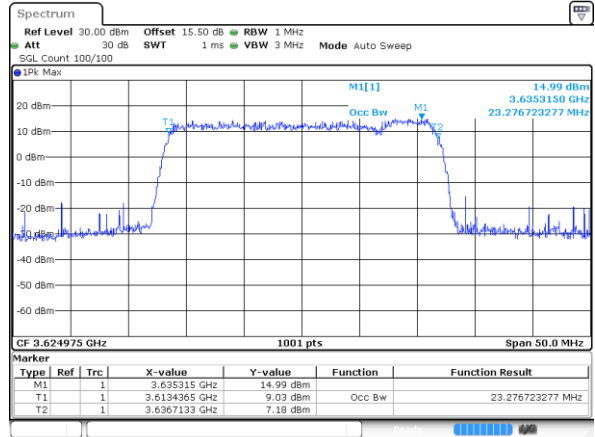
Date: 29 MAR 2024 13:49:17

Middle Channel / 15MHz+20MHz



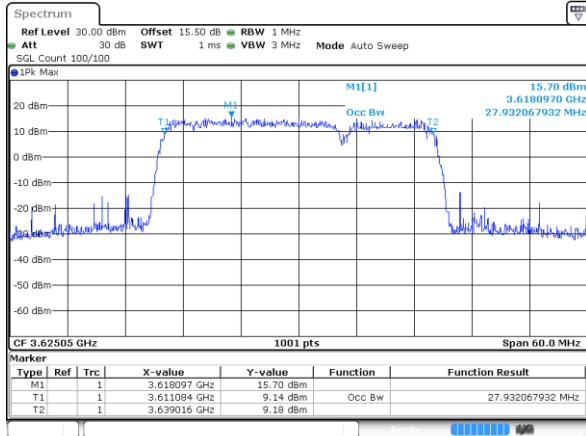
Date: 29 MAR 2024 13:42:58

Middle Channel / 20MHz+5MHz



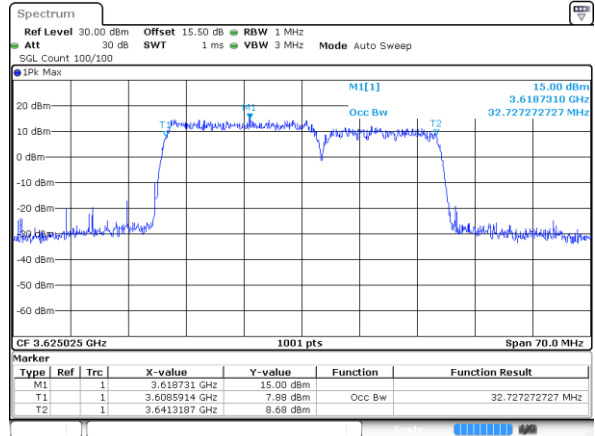
Date: 29 MAR 2024 13:46:13

Middle Channel / 20MHz+10MHz

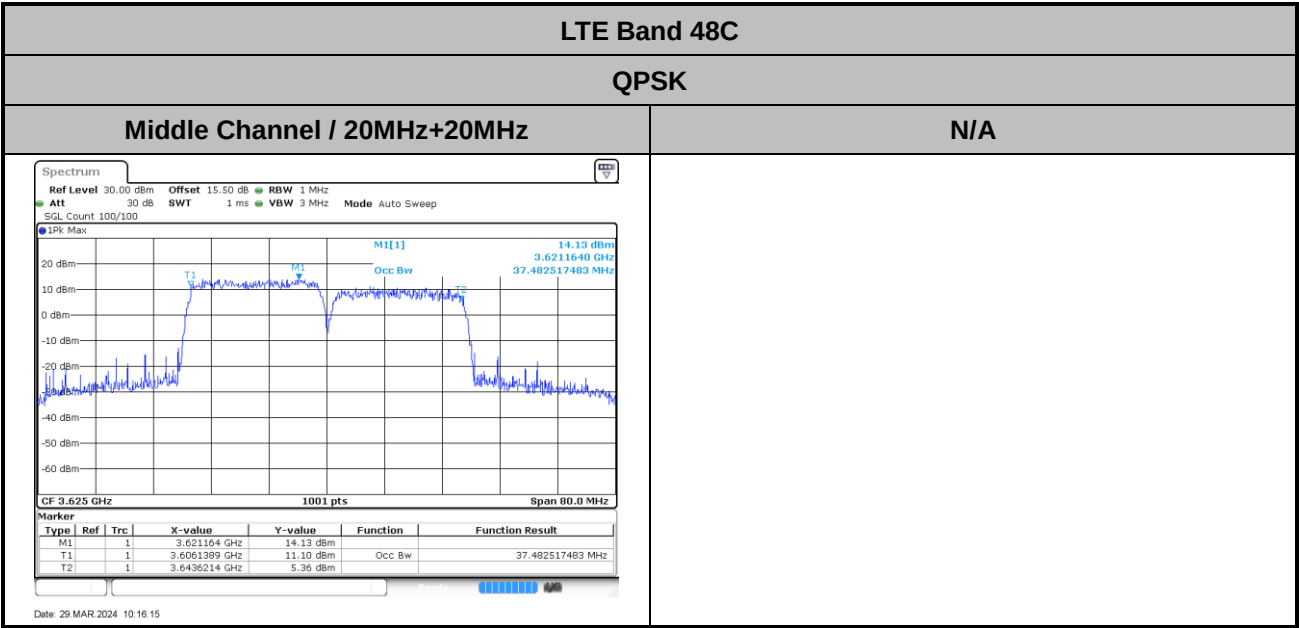


Date: 29 MAR 2024 00:08:10

Middle Channel / 20MHz+15MHz



Date: 29 MAR 2024 09:26:11

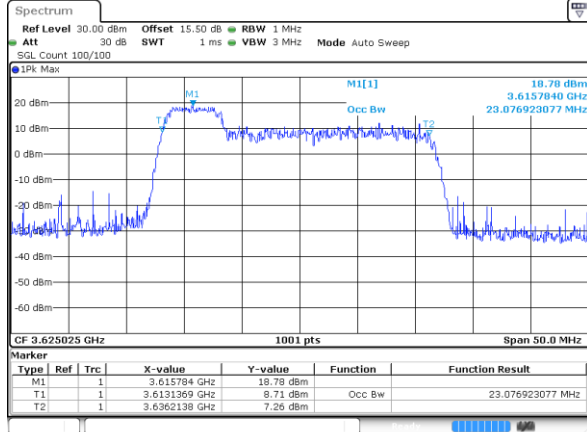




LTE Band 48C

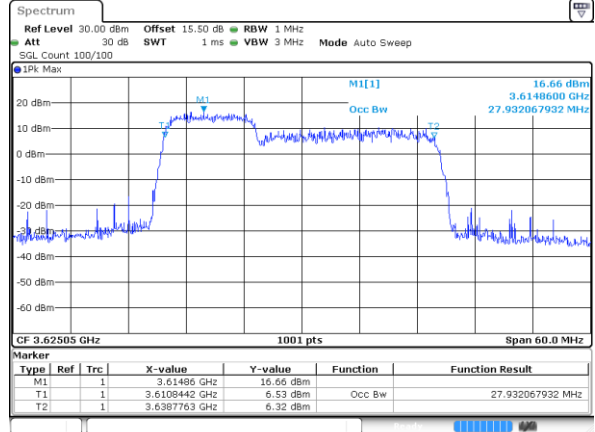
16QAM

Middle Channel / 5MHz+20MHz



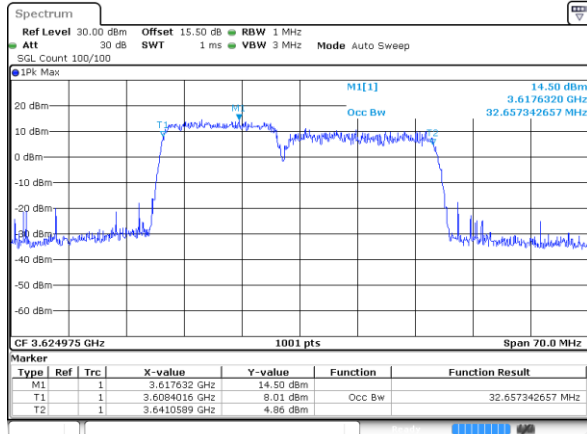
Date: 28 MAR 2024 20:10:53

Middle Channel / 10MHz+20MHz



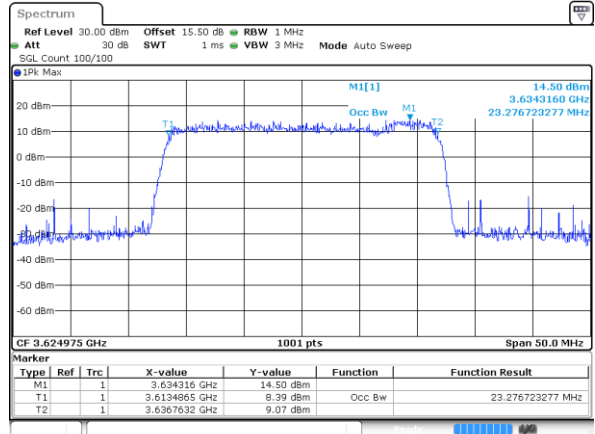
Date: 29 MAR 2024 13:50:39

Middle Channel / 15MHz+20MHz



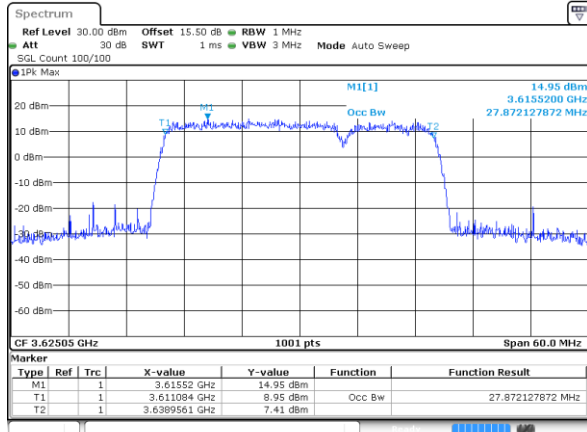
Date: 29 MAR 2024 13:41:16

Middle Channel / 20MHz+5MHz



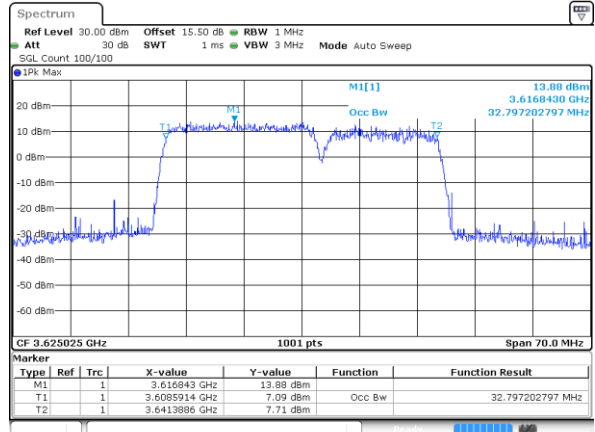
Date: 29 MAR 2024 13:47:31

Middle Channel / 20MHz+10MHz

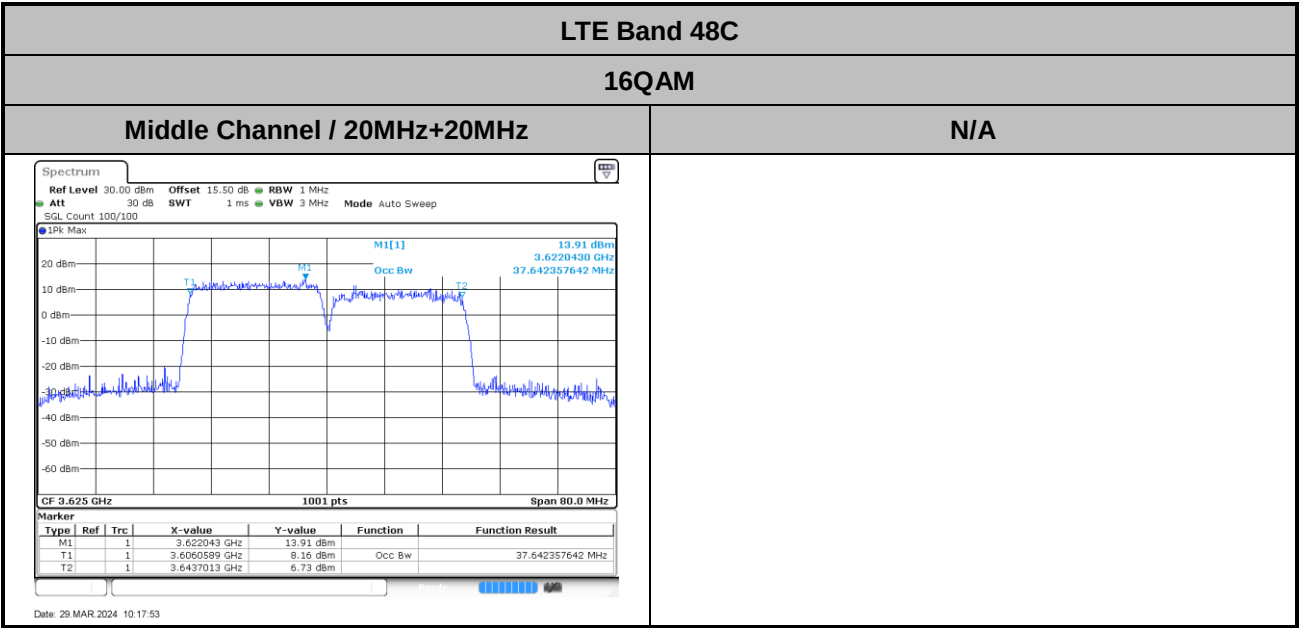


Date: 29 MAR 2024 00:09:58

Middle Channel / 20MHz+15MHz



Date: 29 MAR 2024 09:27:54





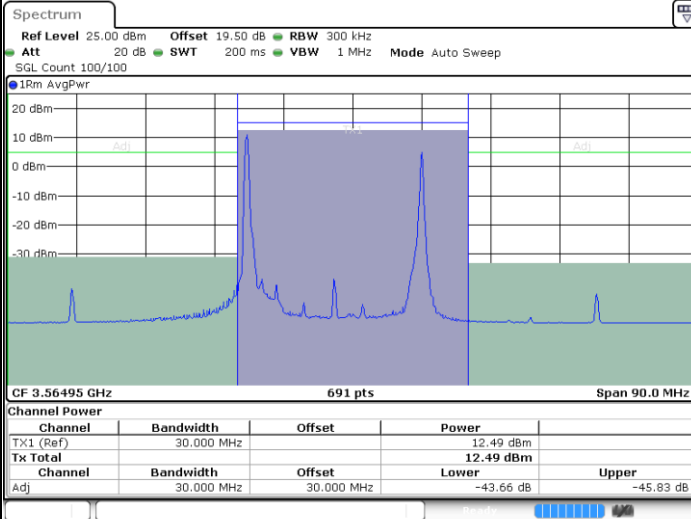
ACLR

LTE Band 48C / 5MHz+20MHz

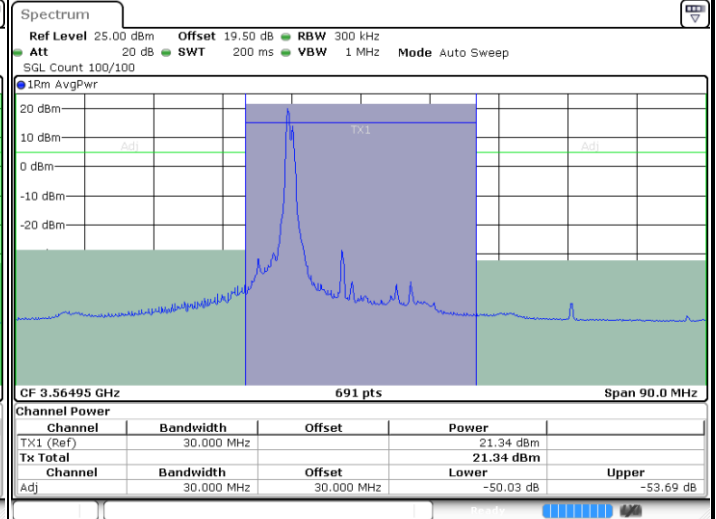
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB24 and 1RB0



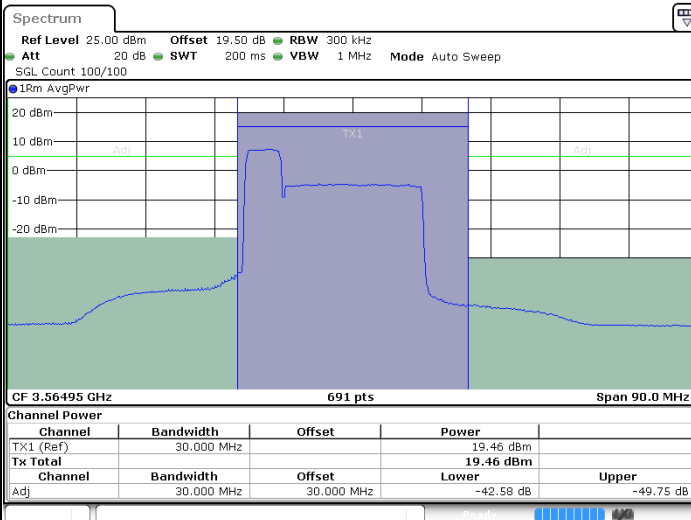
Date: 28 MAR 2024 20:52:06



Date: 28 MAR 2024 20:53:01

Lowest Channel / FullIRB

N/A



Date: 28 MAR 2024 20:47:26

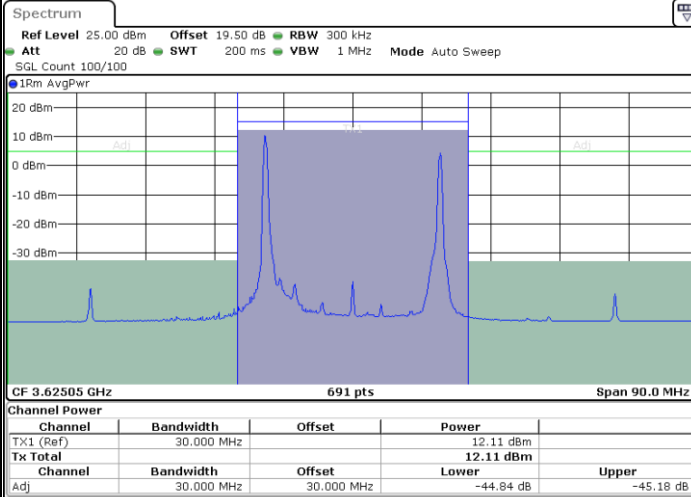


LTE Band 48C / 5MHz+20MHz

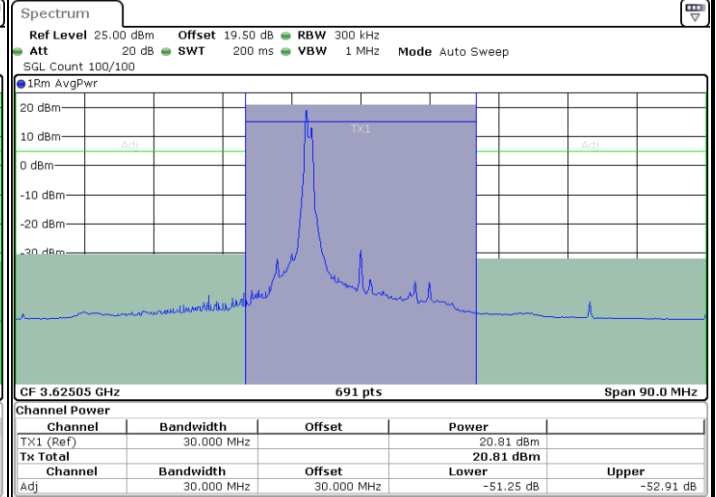
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB24 and 1RB0



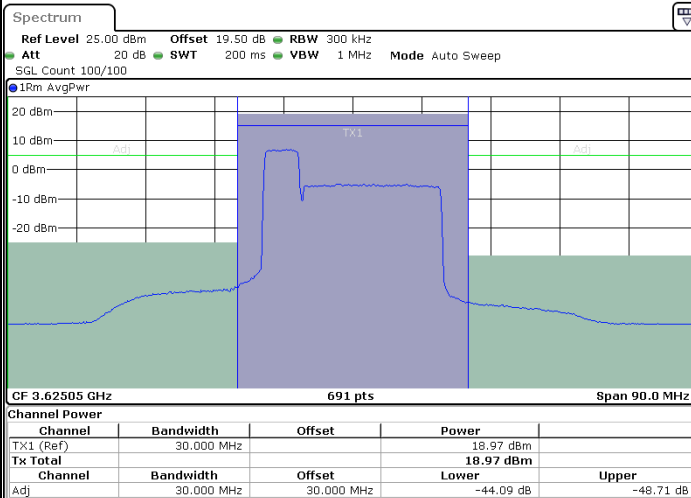
Date: 28 MAR 2024 20:18:43



Date: 28 MAR 2024 20:19:39

Middle Channel / FullRB

N/A



Date: 28 MAR 2024 20:14:03

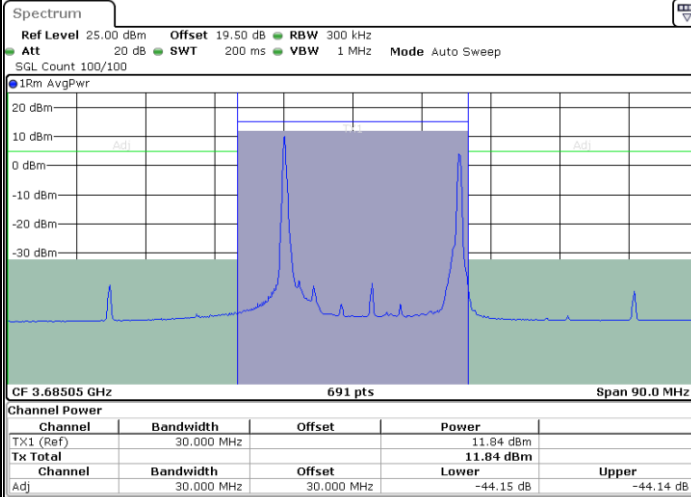


LTE Band 48C / 5MHz+20MHz

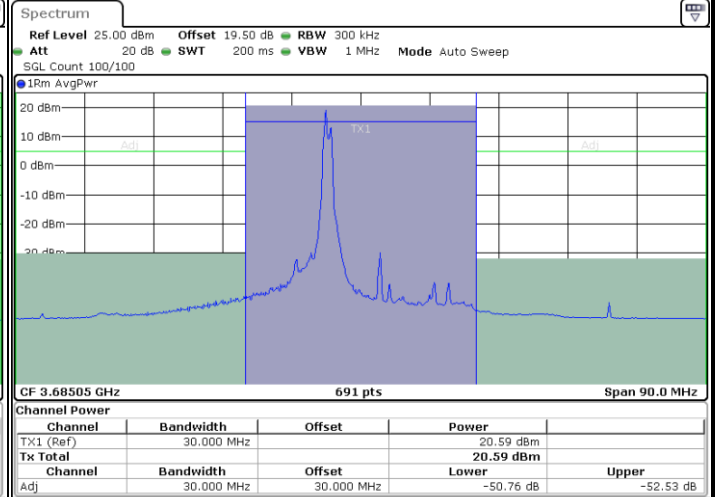
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB24 and 1RB0



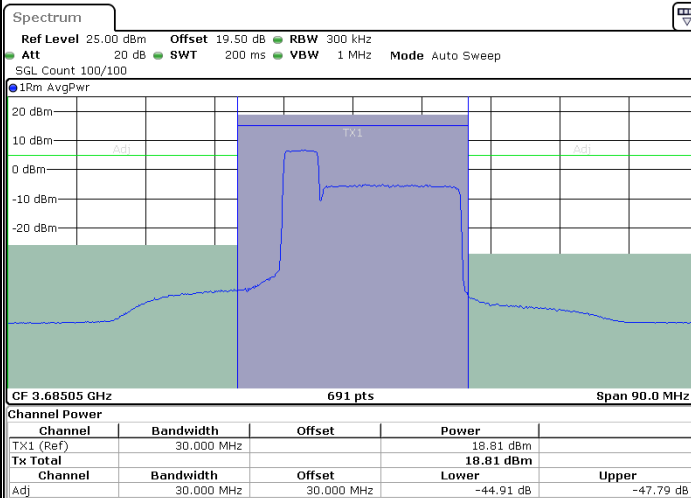
Date: 28 MAR 2024 21:24:45



Date: 28 MAR 2024 21:25:41

Highest Channel / FullRB

N/A



Date: 28 MAR 2024 21:20:06

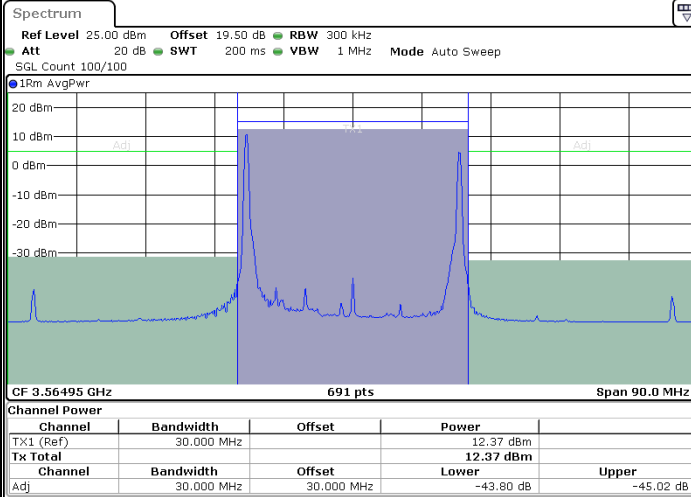


LTE Band 48C / 10MHz+20MHz

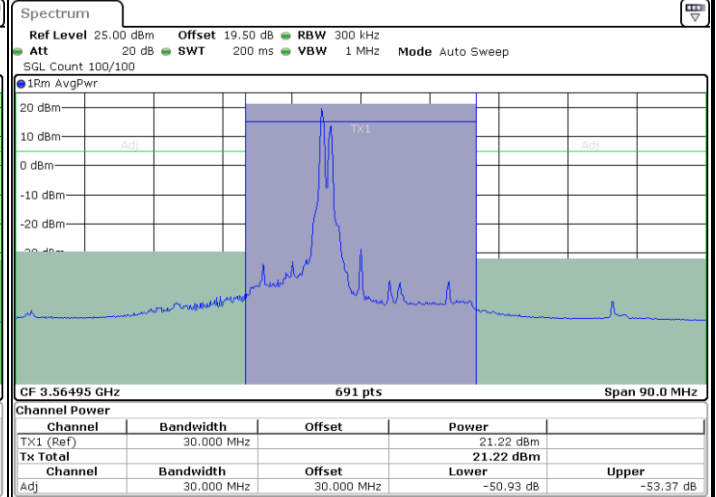
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0



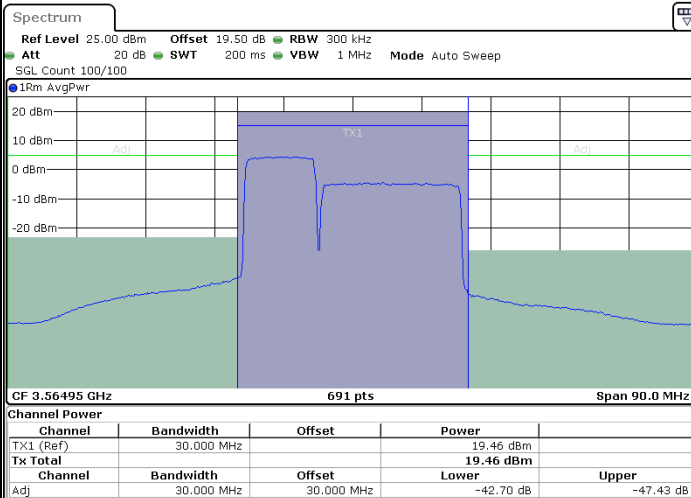
Date: 28 MAR 2024 23:30:30



Date: 28 MAR 2024 23:31:25

Lowest Channel / FullIRB

N/A



Date: 28 MAR 2024 23:25:50

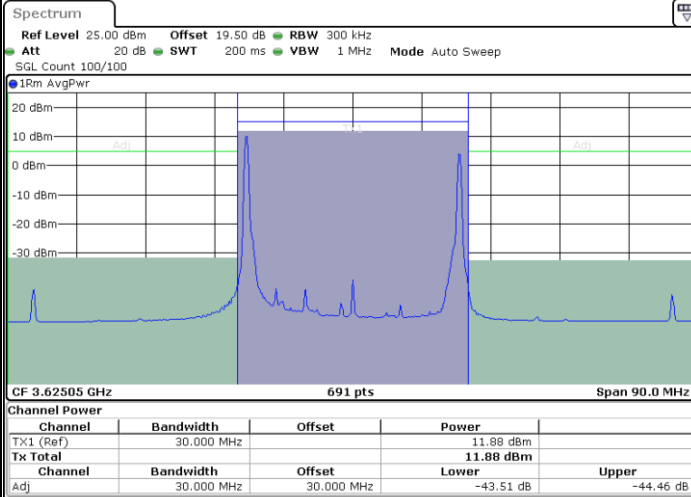


LTE Band 48C / 10MHz+20MHz

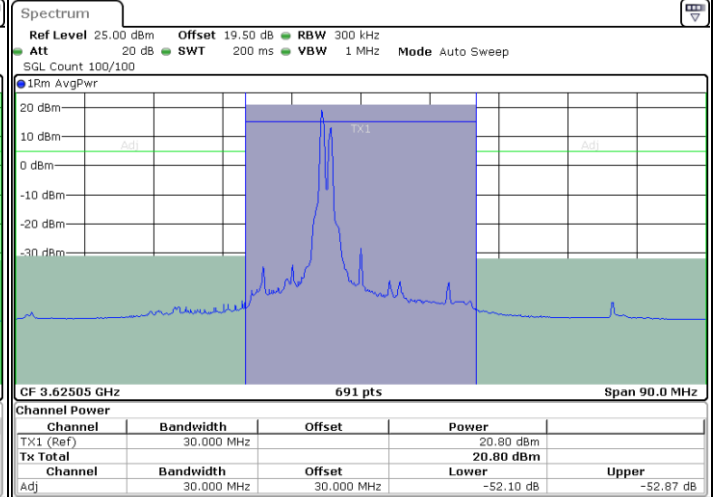
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB49 and 1RB0



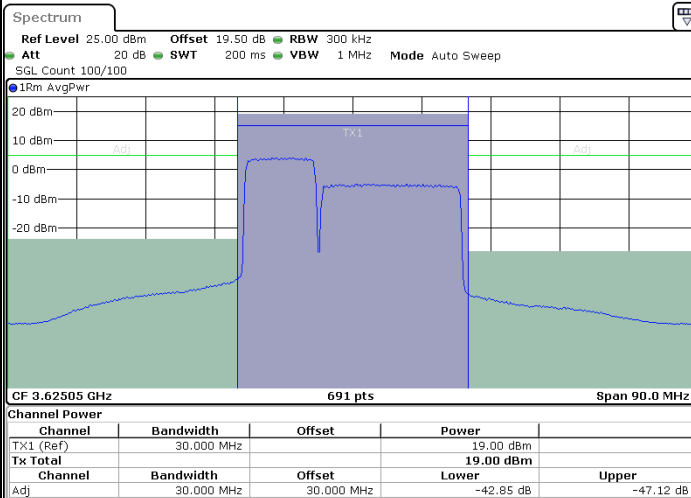
Date: 28 MAR 2024 22:57:50



Date: 28 MAR 2024 22:58:46

Middle Channel / FullRB

N/A



Date: 28 MAR 2024 22:53:11

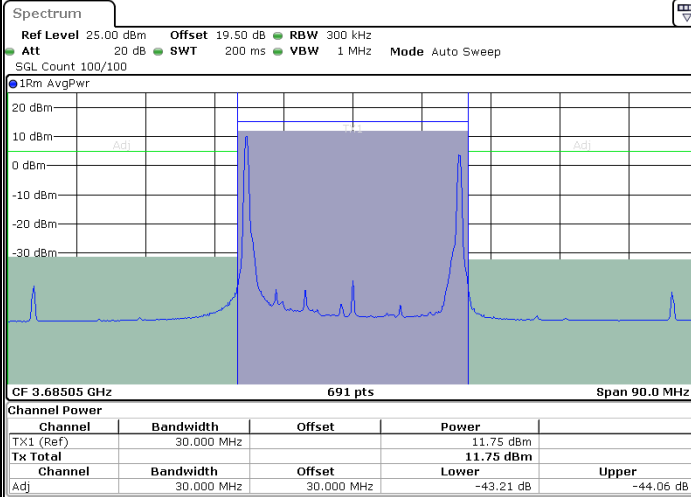


LTE Band 48C / 10MHz+20MHz

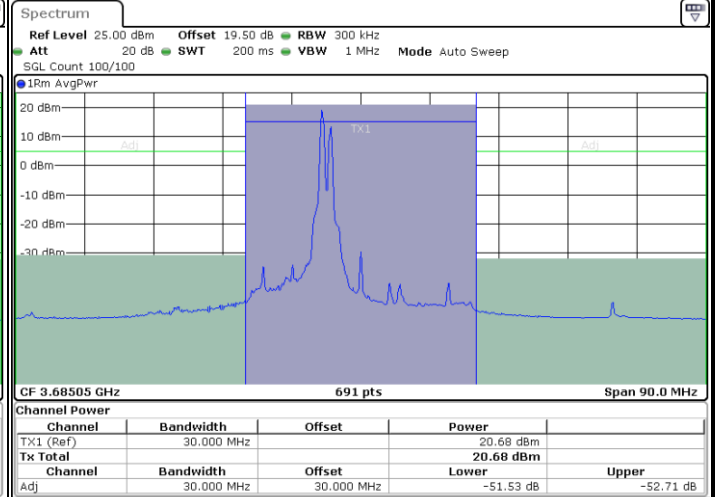
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB49 and 1RB0



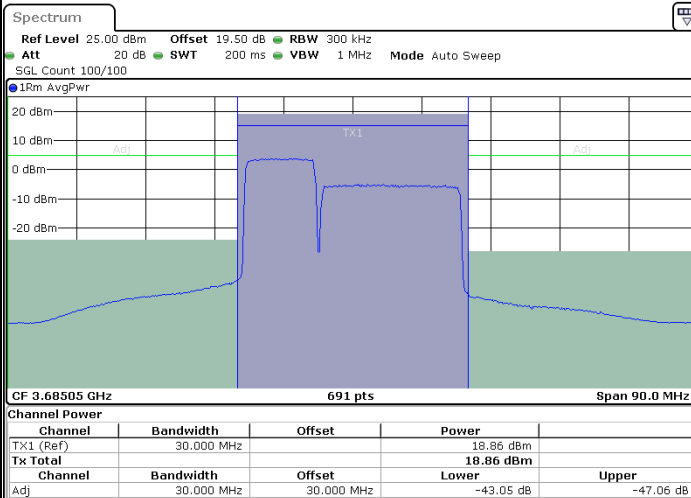
Date: 29 MAR 2024 00:03:09



Date: 29 MAR 2024 00:04:05

Highest Channel / FullRB

N/A



Date: 28 MAR 2024 23:58:30

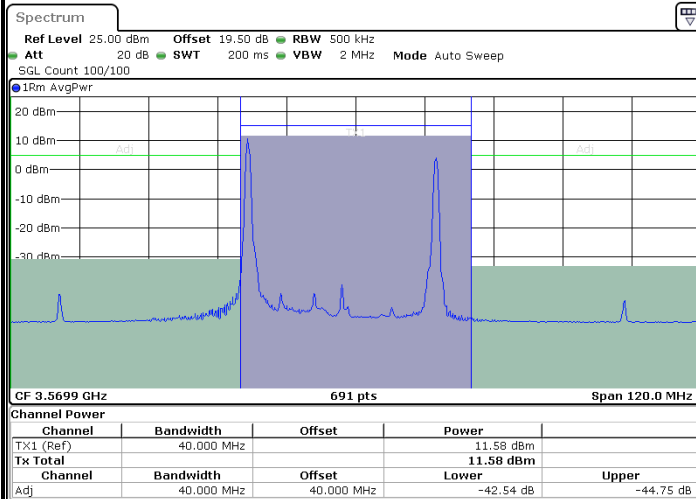


LTE Band 48C / 15MHz+20MHz

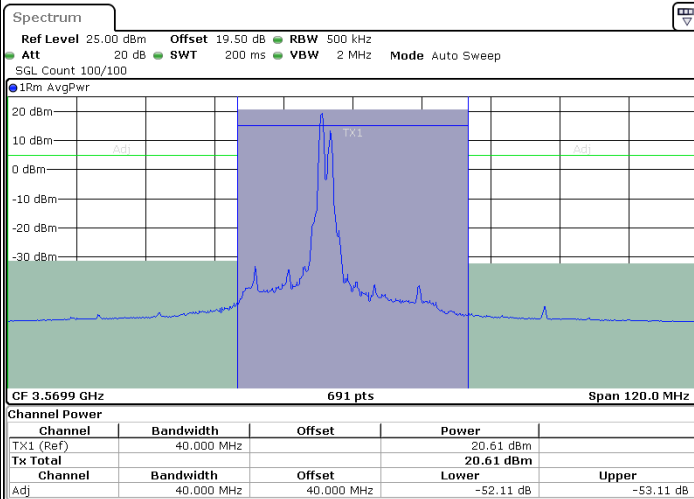
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0



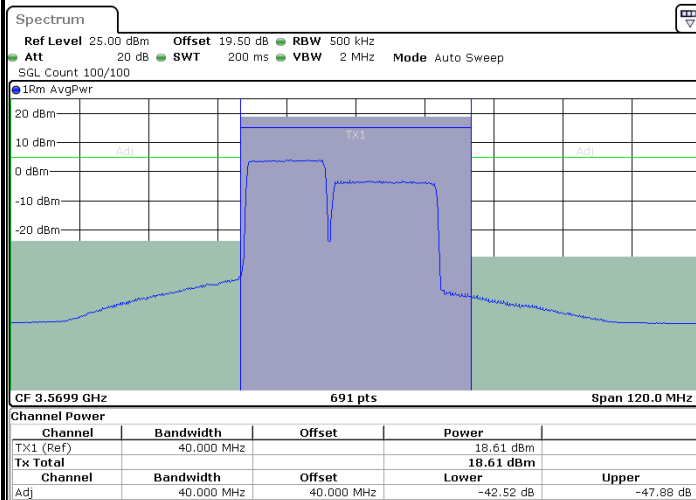
Date: 29 MAR 2024 09:03:48



Date: 29 MAR 2024 09:04:41

Lowest Channel / FullIRB

N/A



Date: 29 MAR 2024 08:59:20

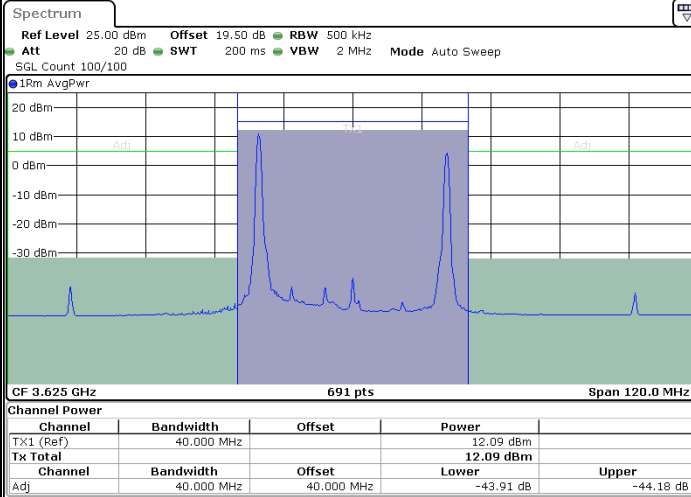


LTE Band 48C / 15MHz+20MHz

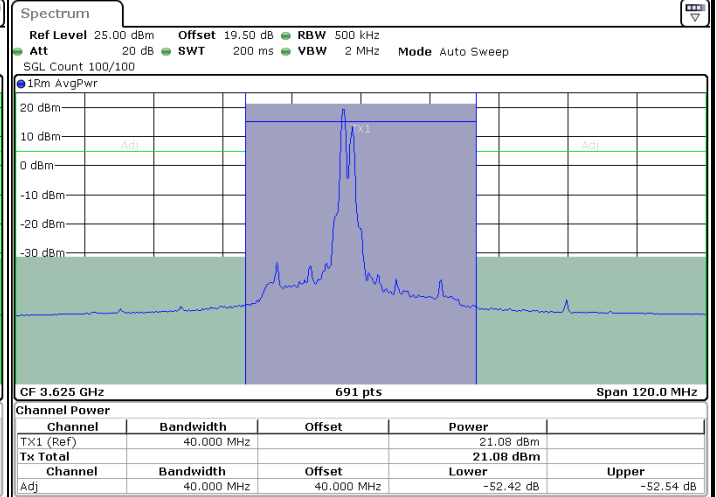
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



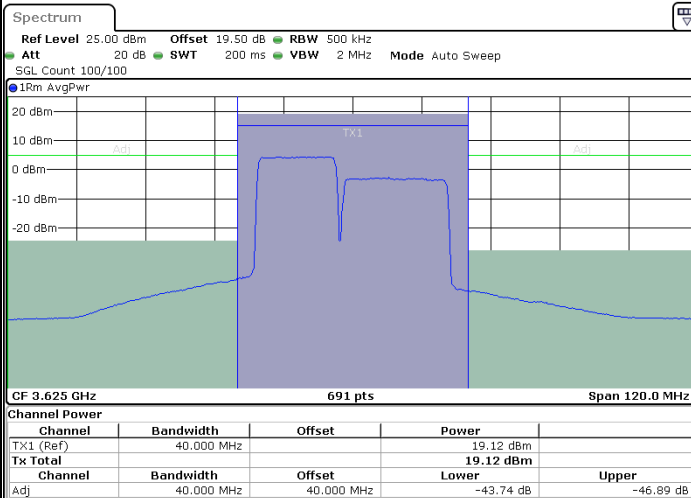
Date: 29 MAR 2024 01:36:57



Date: 29 MAR 2024 01:37:53

Middle Channel / FullIRB

N/A



Date: 29 MAR 2024 01:32:18