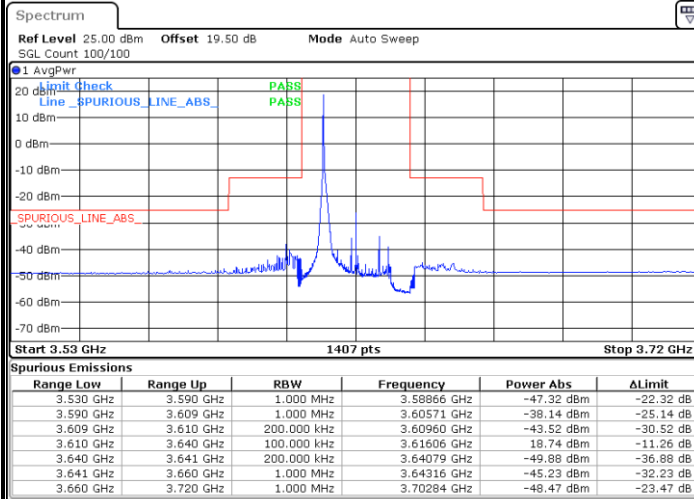




LTE Band 48 / 20MHz

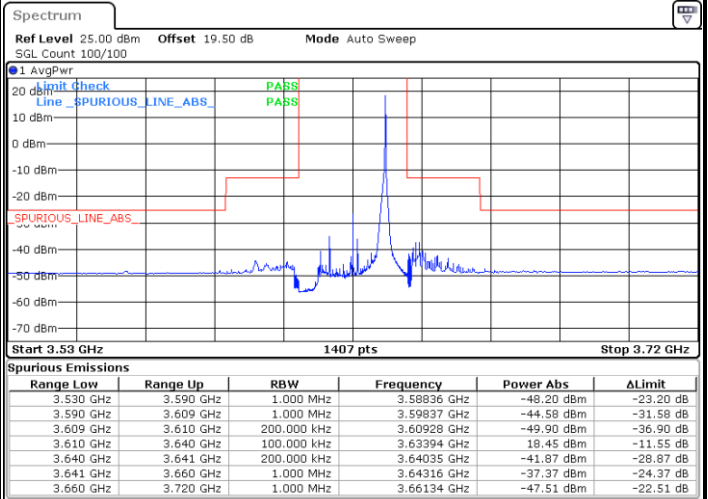
16QAM

Middle Channel / 1RB0



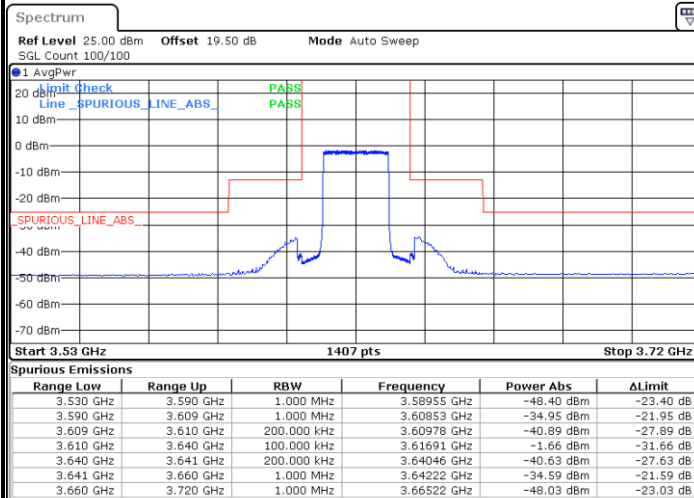
Date: 28 MAR 2024 00:39:55

Middle Channel / 1RBmax



Date: 28 MAR 2024 00:33:37

Middle Channel / FullIRB



Date: 28 MAR 2024 00:27:19

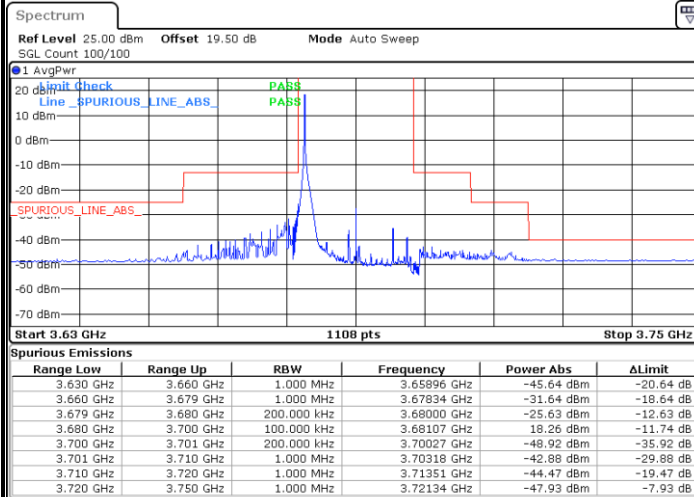
N/A



LTE Band 48 / 20MHz

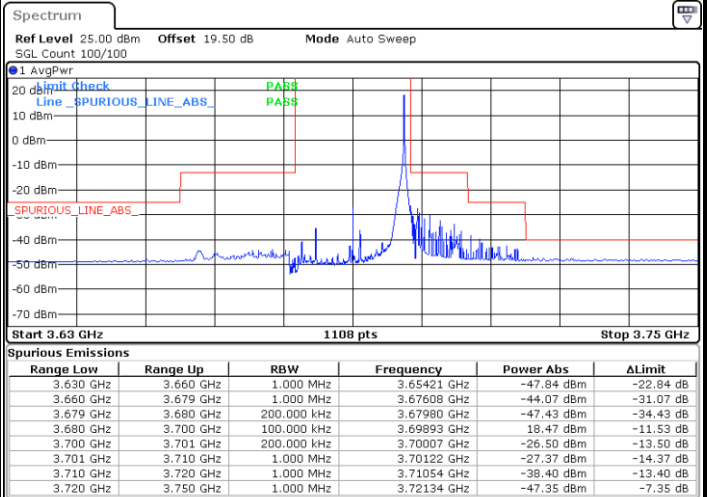
16QAM

Highest Channel / 1RB0



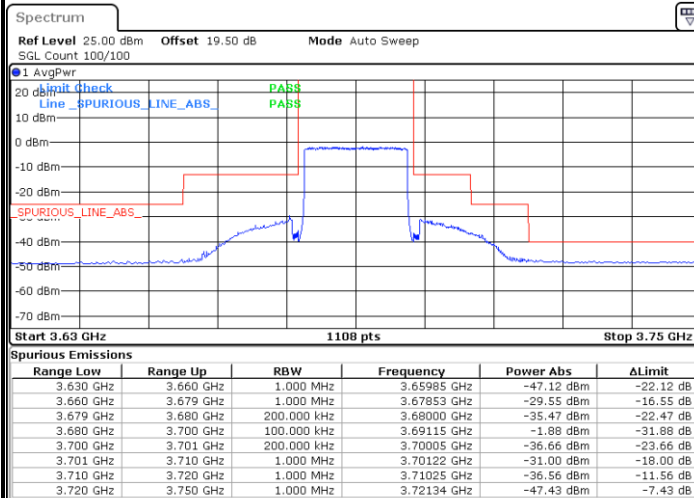
Date: 28 MAR 2024 00:58:59

Highest Channel / 1RBmax



Date: 28 MAR 2024 01:05:18

Highest Channel / FullRB



Date: 28 MAR 2024 01:11:37

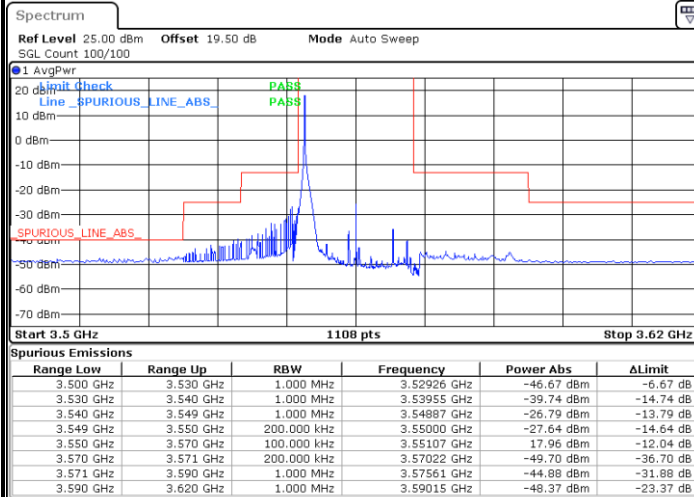
N/A



LTE Band 48 / 20MHz

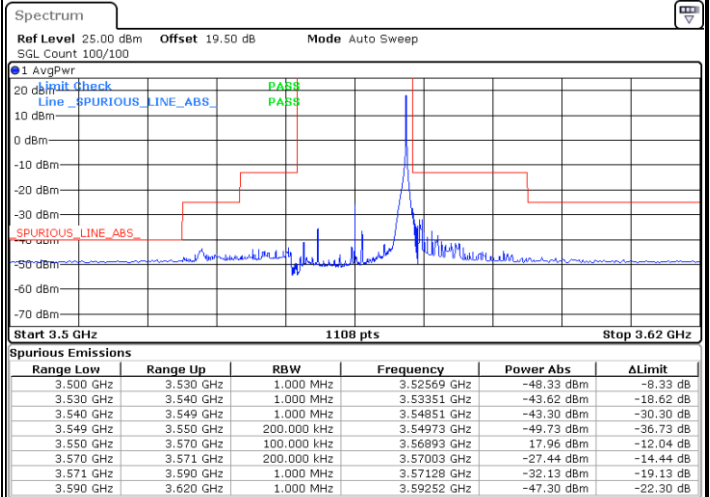
64QAM

Lowest Channel / 1RB0



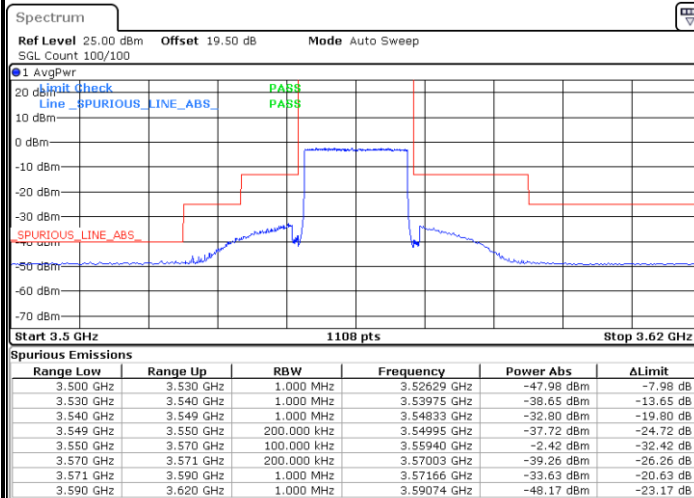
Date: 28 MAR 2024 00:00:28

Lowest Channel / 1RBmax



Date: 28 MAR 2024 00:02:35

Lowest Channel / FullIRB



Date: 28 MAR 2024 00:13:09

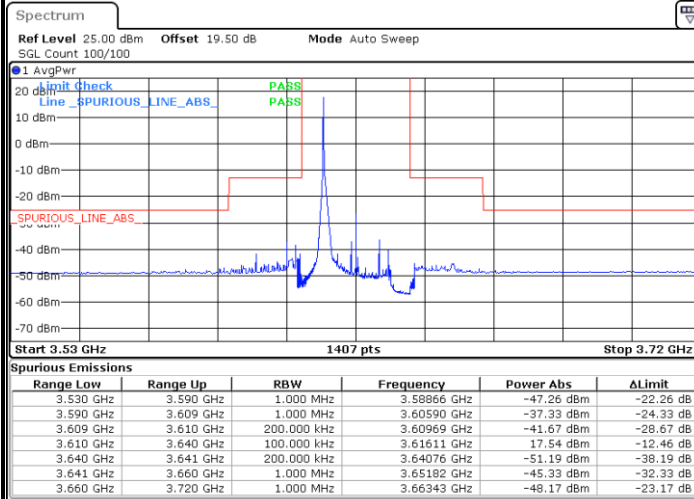
N/A



LTE Band 48 / 20MHz

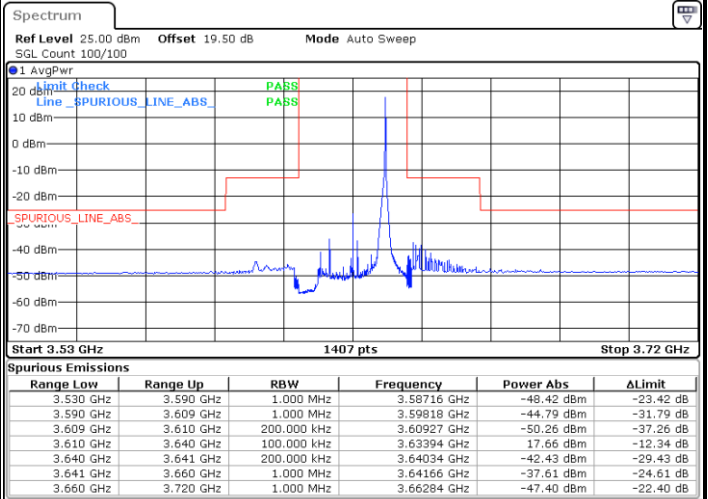
64QAM

Middle Channel / 1RB0



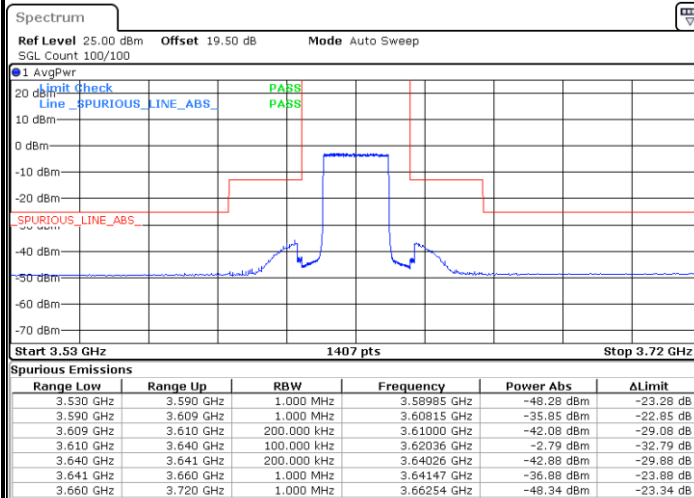
Date: 28 MAR 2024 00:37:49

Middle Channel / 1RBmax



Date: 28 MAR 2024 00:35:43

Middle Channel / FullIRB



Date: 28 MAR 2024 00:25:13

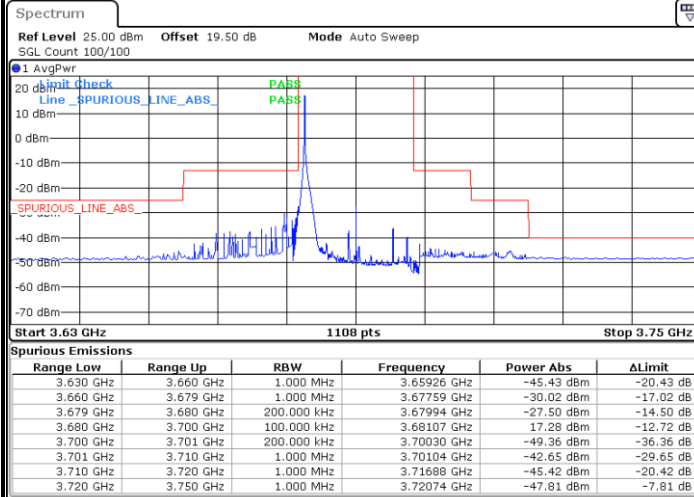
N/A



LTE Band 48 / 20MHz

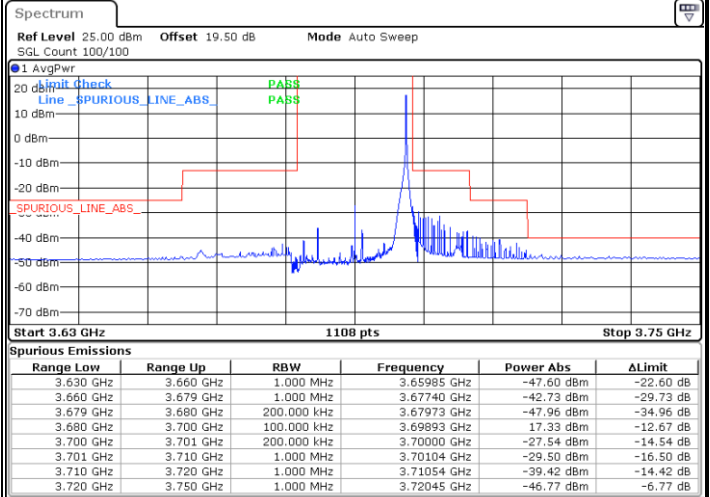
64QAM

Highest Channel / 1RB0



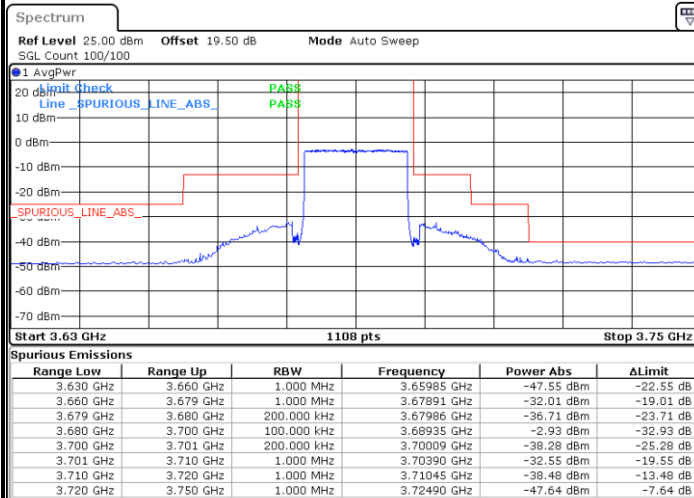
Date: 28 MAR 2024 01:01:05

Highest Channel / 1RBmax



Date: 28 MAR 2024 01:03:12

Highest Channel / FullRB



Date: 28 MAR 2024 01:13:43

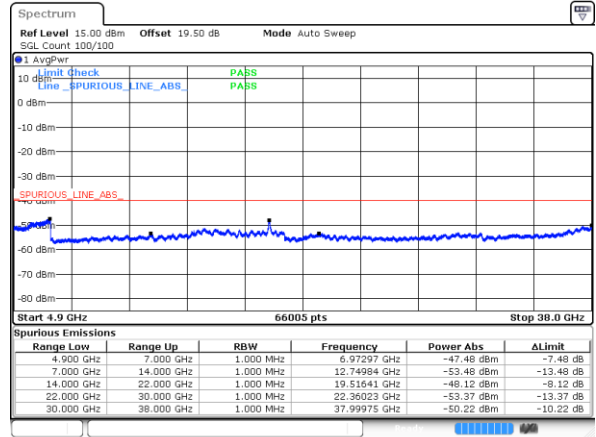
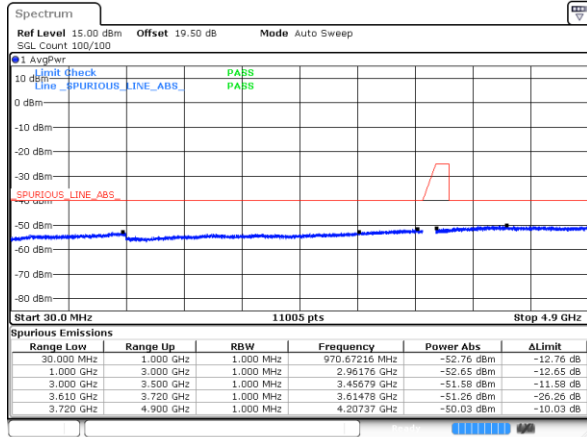
N/A



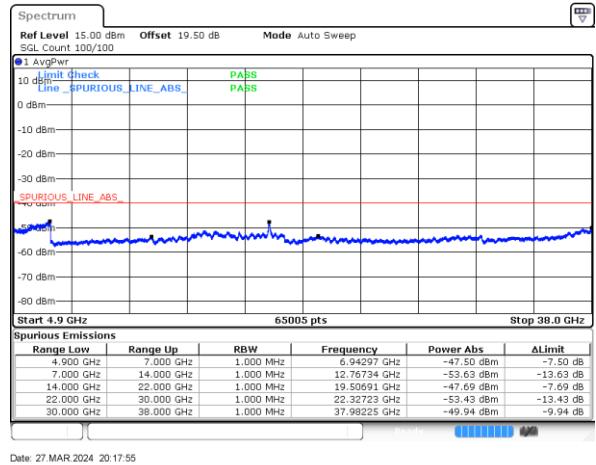
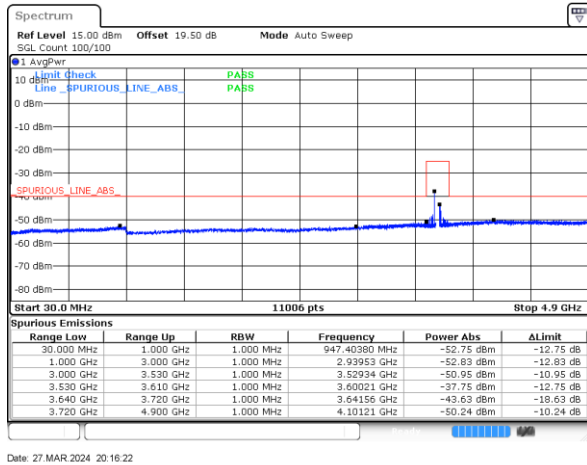
Conducted Spurious Emission

LTE Band 48 / 5MHz

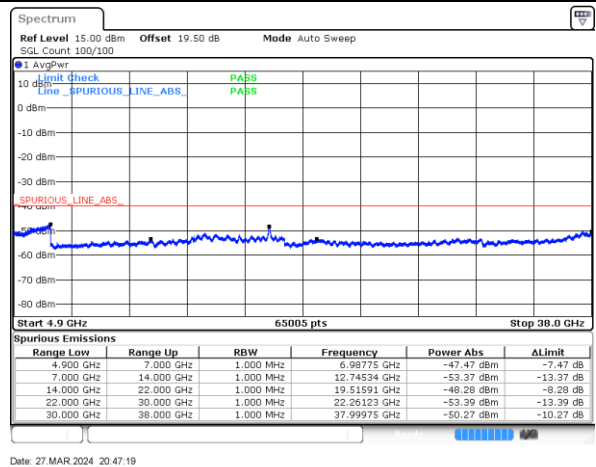
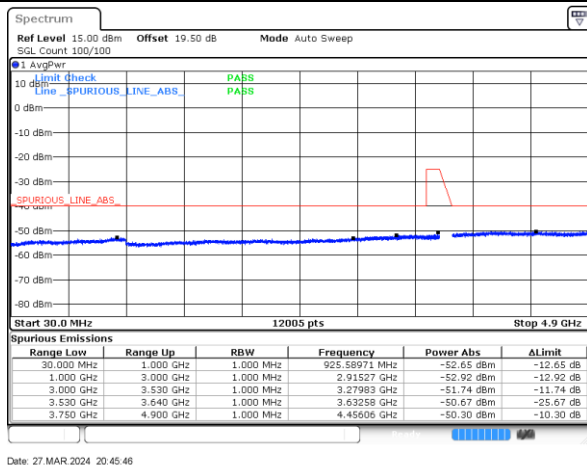
Lowest Channel / QPSK



Middle Channel / QPSK



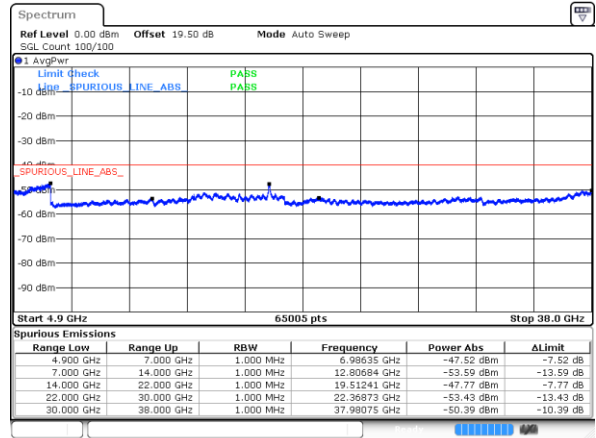
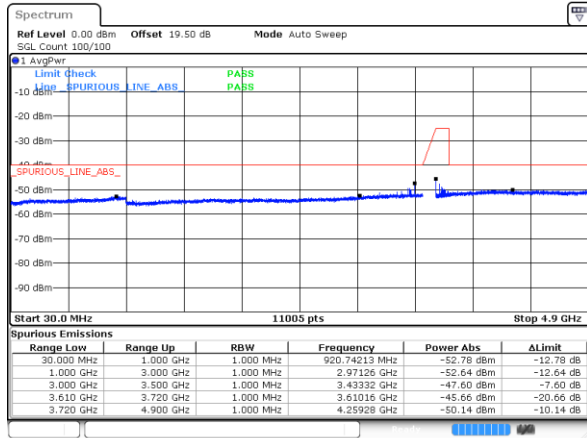
Highest Channel / QPSK



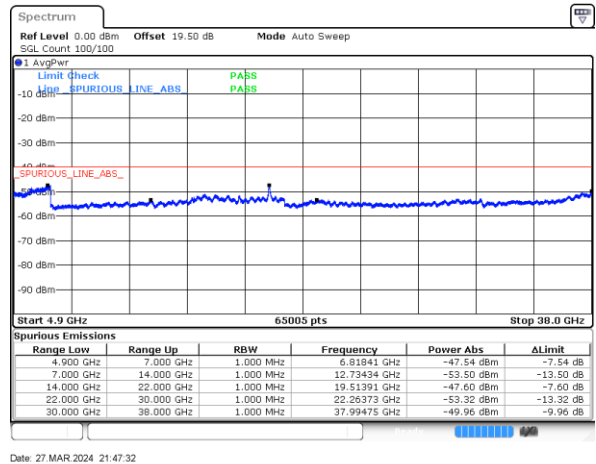
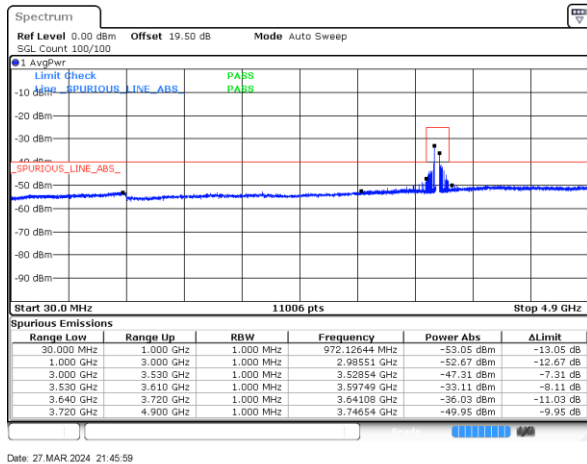


LTE Band 48 / 10MHz

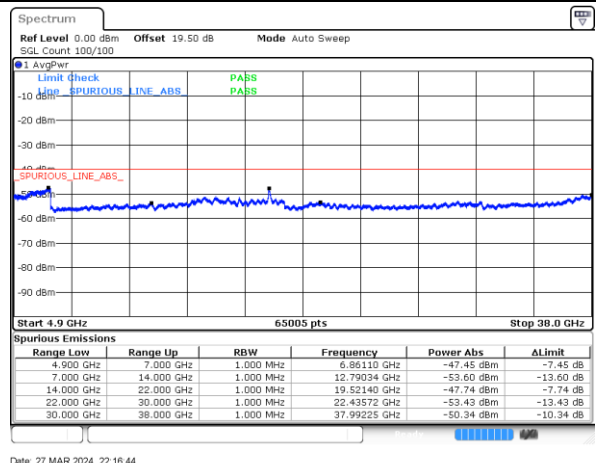
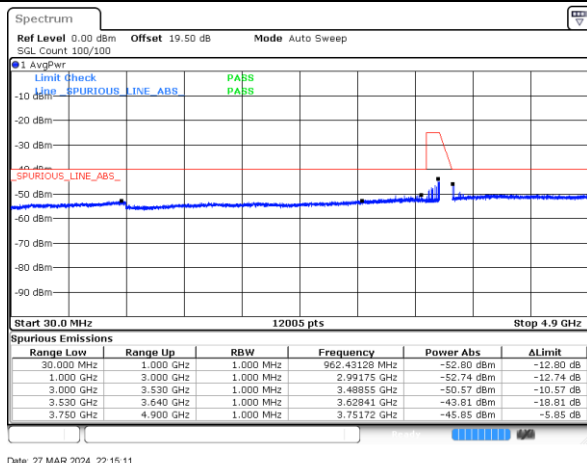
Lowest Channel / QPSK



Middle Channel / QPSK



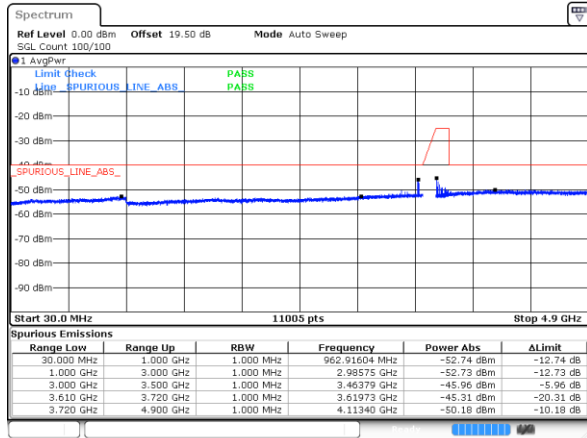
Highest Channel / QPSK



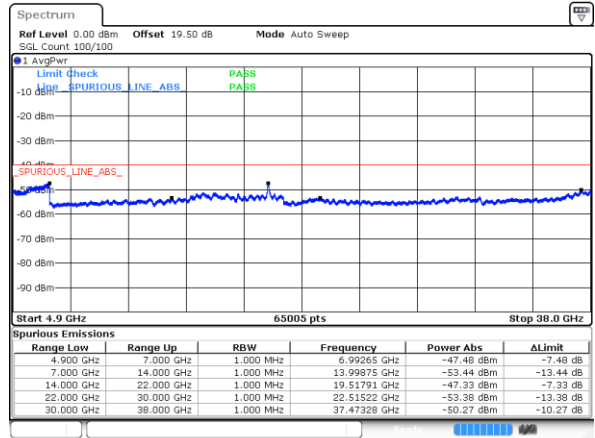


LTE Band 48 / 15MHz

Lowest Channel / QPSK

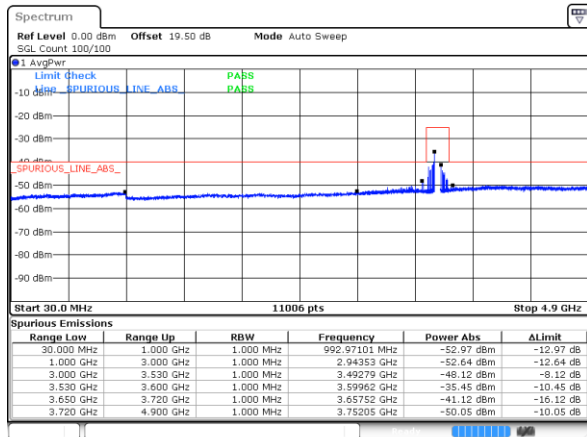


Date: 27 MAR 2024 22:45:37

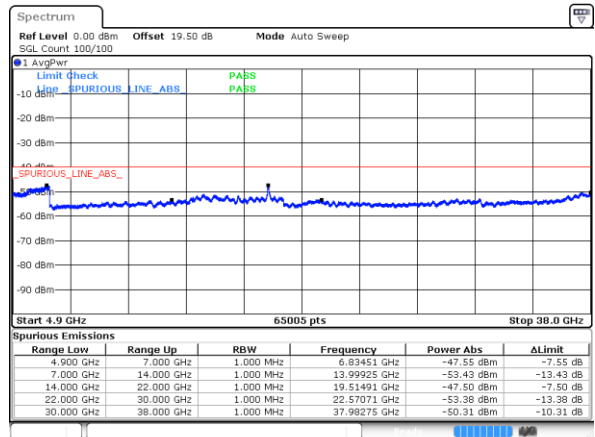


Date: 27 MAR 2024 22:47:10

Middle Channel / QPSK

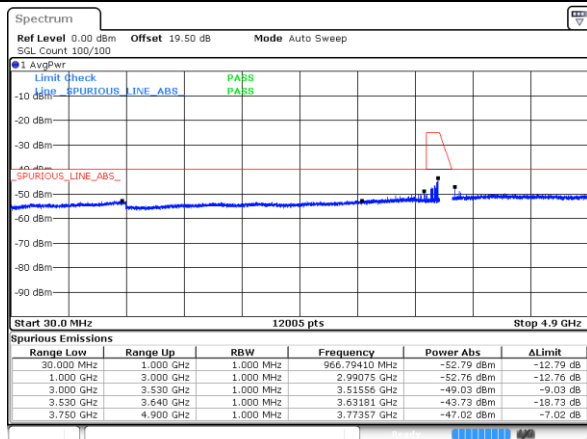


Date: 27 MAR 2024 23:15:55

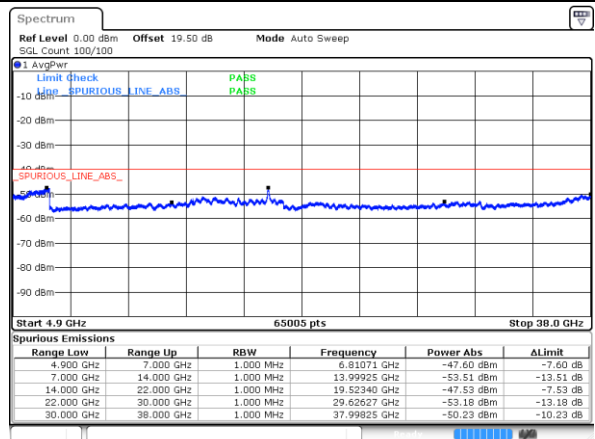


Date: 27 MAR 2024 23:17:28

Highest Channel / QPSK



Date: 27 MAR 2024 23:45:07

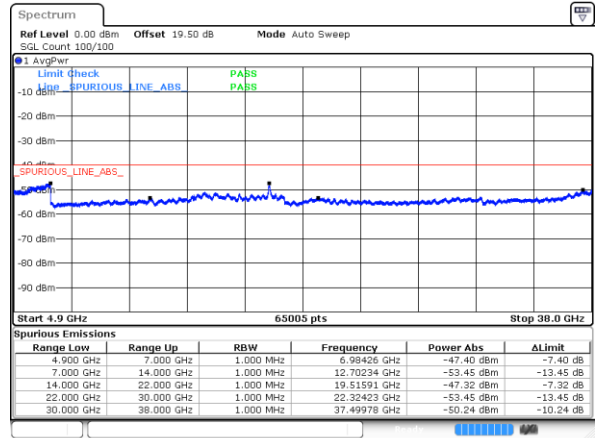
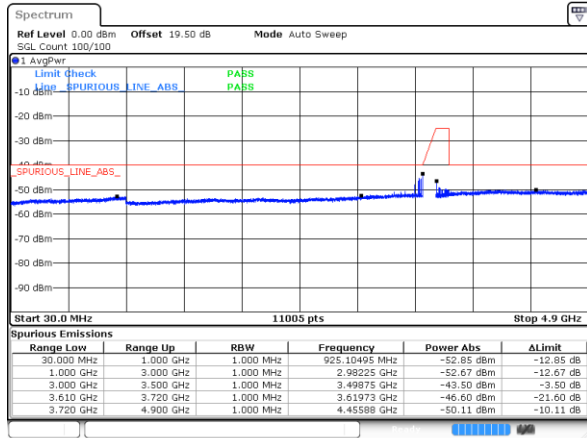


Date: 27 MAR 2024 23:46:40

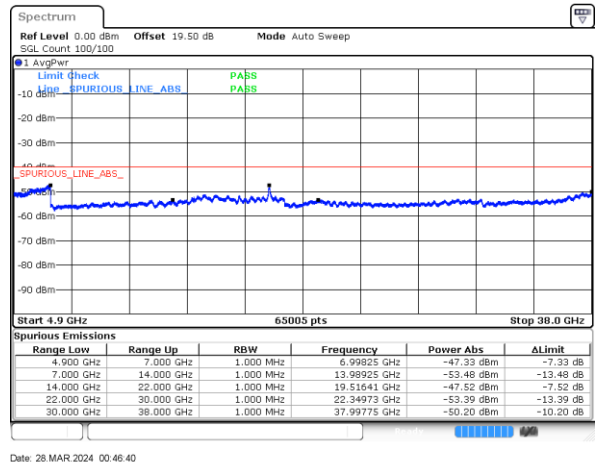
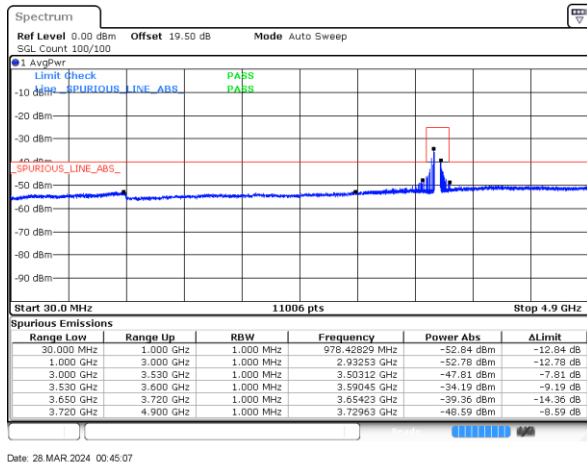


LTE Band 48 / 20MHz

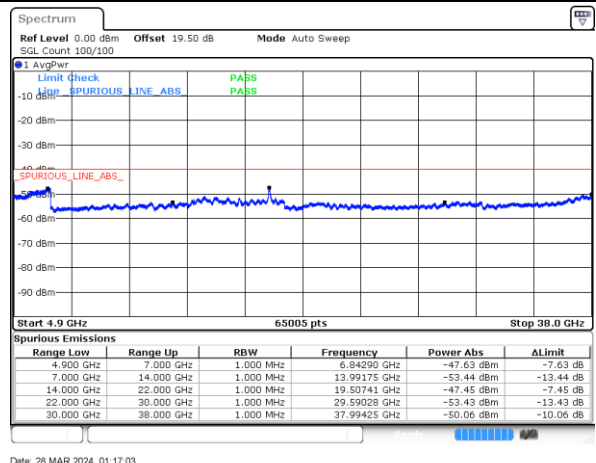
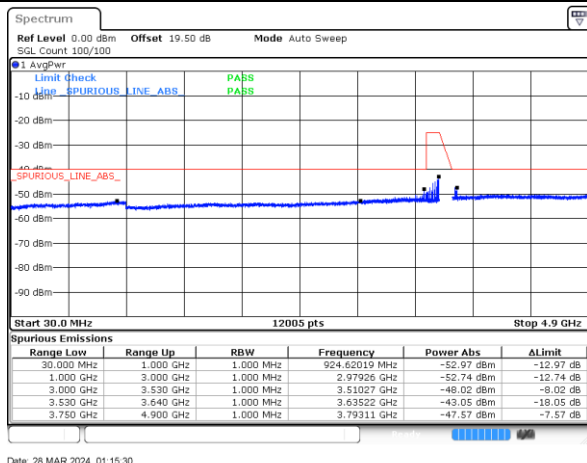
Lowest Channel / QPSK



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	-

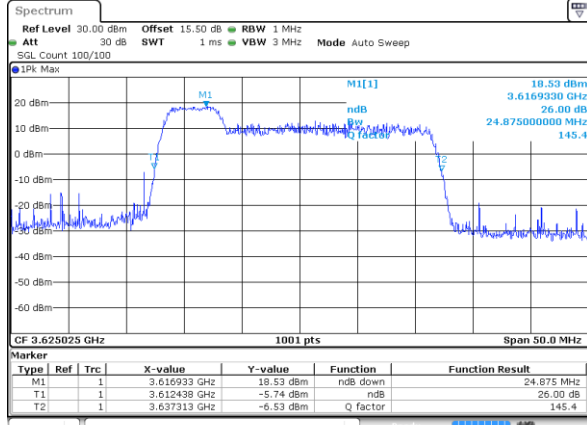
Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.93	29.97	35.04	25.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	34.90	39.88	-



LTE Band 48C

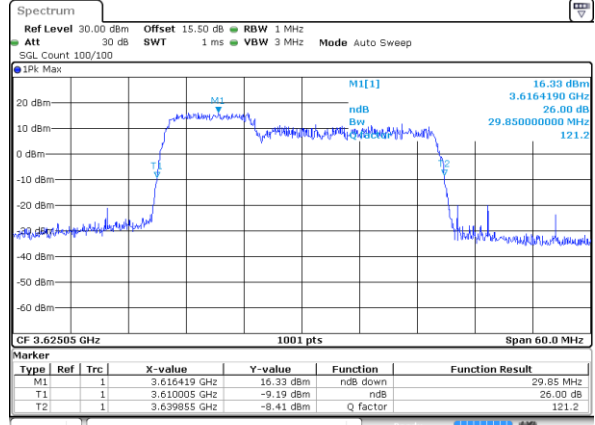
QPSK

Middle Channel / 5MHz+20MHz



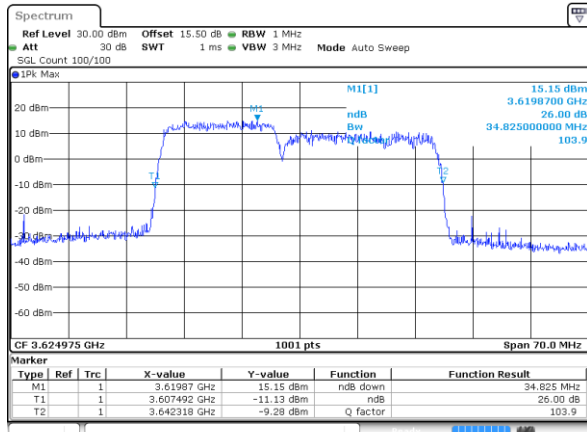
Date: 28 MAR 2024 20:09:40

Middle Channel / 10MHz+20MHz



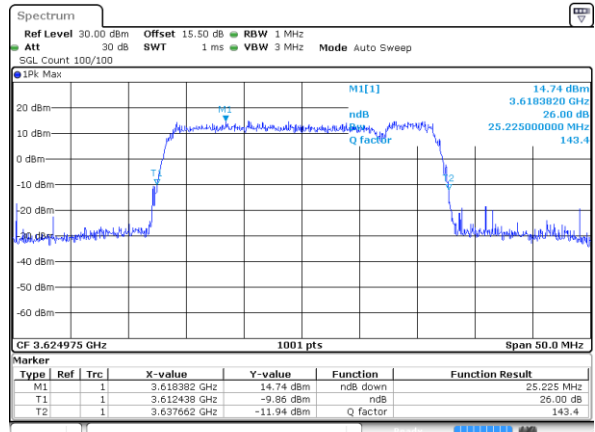
Date: 29 MAR 2024 13:49:59

Middle Channel / 15MHz+20MHz



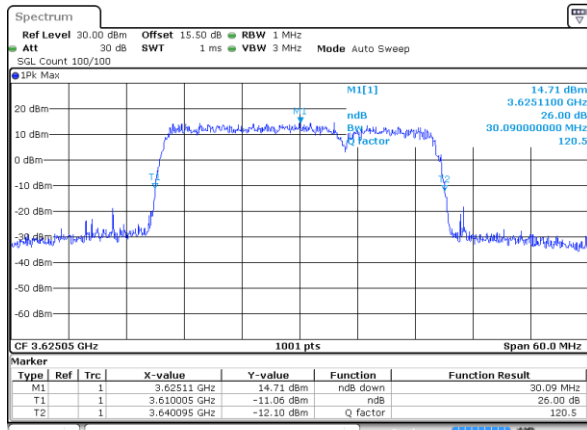
Date: 29 MAR 2024 13:43:38

Middle Channel / 20MHz+5MHz



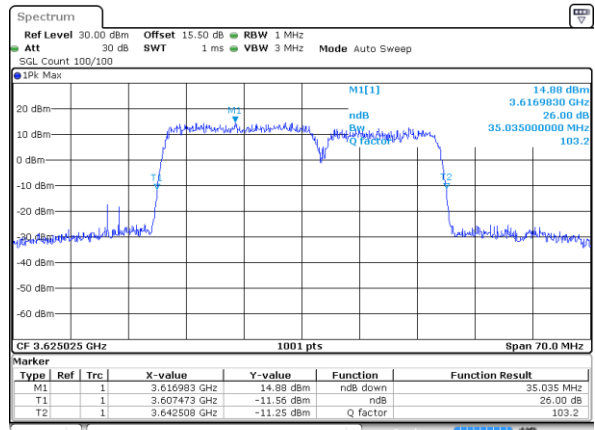
Date: 29 MAR 2024 13:46:43

Middle Channel / 20MHz+10MHz



Date: 29 MAR 2024 13:52:59

Middle Channel / 20MHz+15MHz



Date: 29 MAR 2024 09:26:45

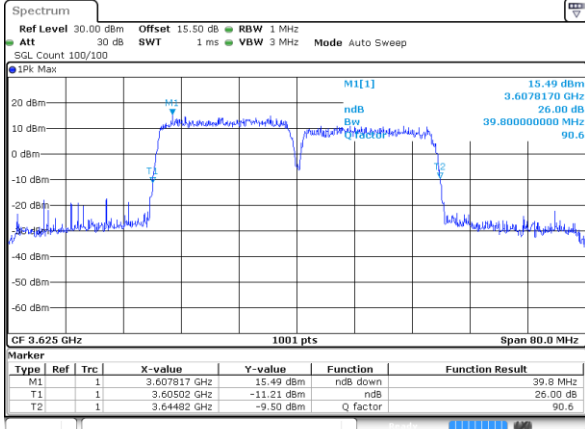


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A



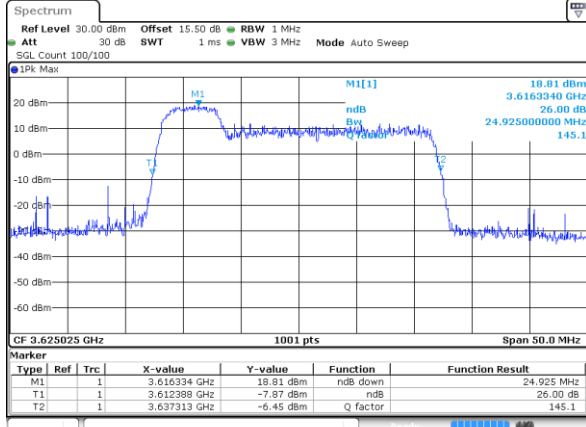
Date: 29 MAR 2024 13:59:34



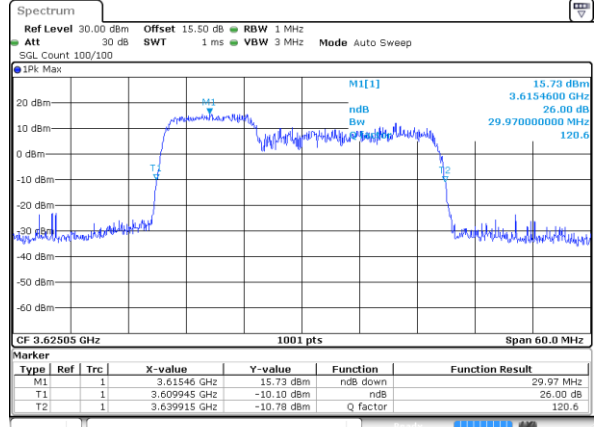
LTE Band 48C

16QAM

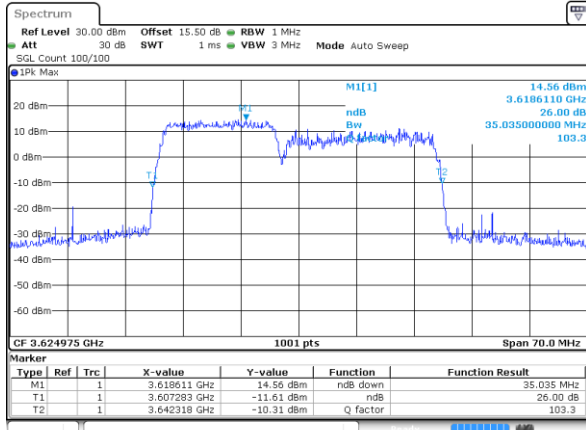
Middle Channel / 5MHz+20MHz



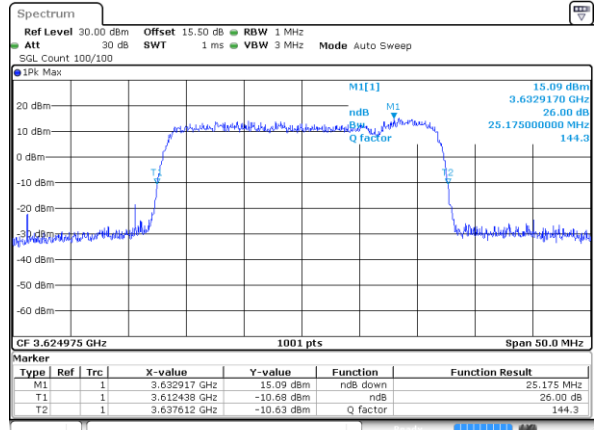
Middle Channel / 10MHz+20MHz



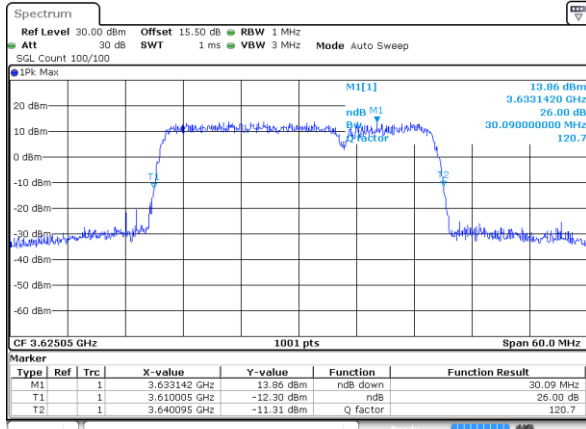
Middle Channel / 15MHz+20MHz



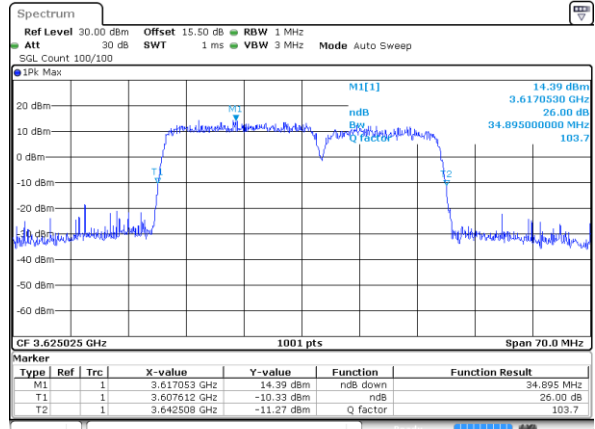
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



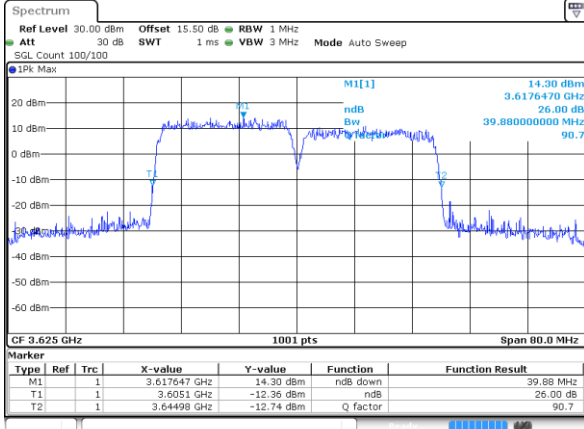


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 29 MAR 2024 10:17:20

**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	-

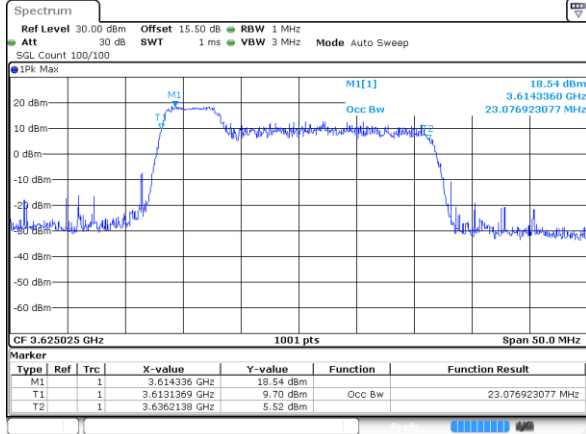
Mode	LTE Band 48C : 99%OBW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.08	27.93	32.66	23.28
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.87	32.80	37.64	-



LTE Band 48C

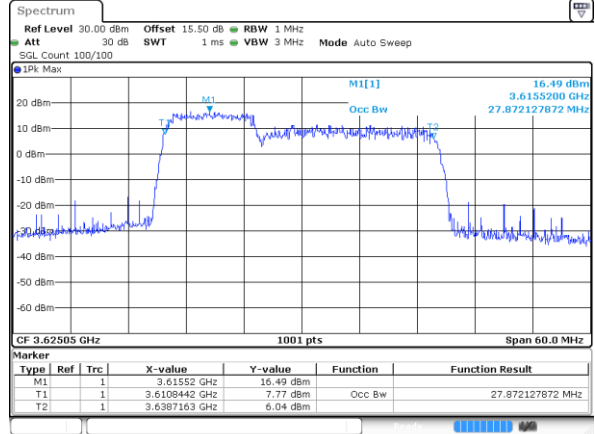
QPSK

Middle Channel / 5MHz+20MHz



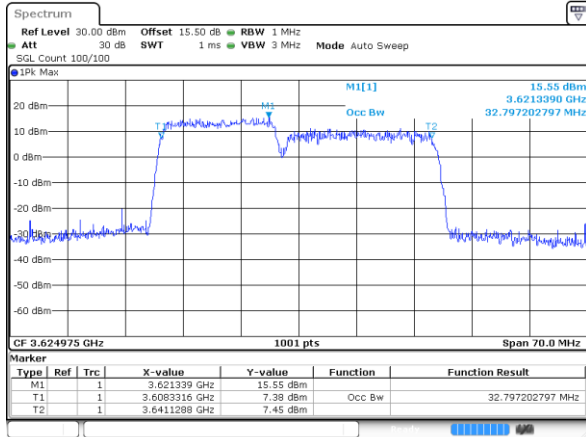
Date: 28 MAR 2024 20:09:04

Middle Channel / 10MHz+20MHz



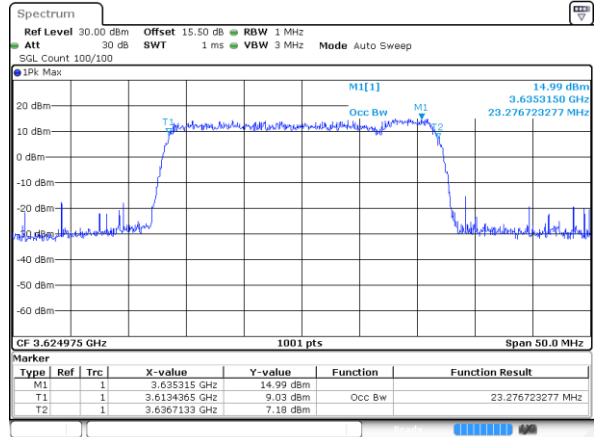
Date: 29 MAR 2024 13:49:17

Middle Channel / 15MHz+20MHz



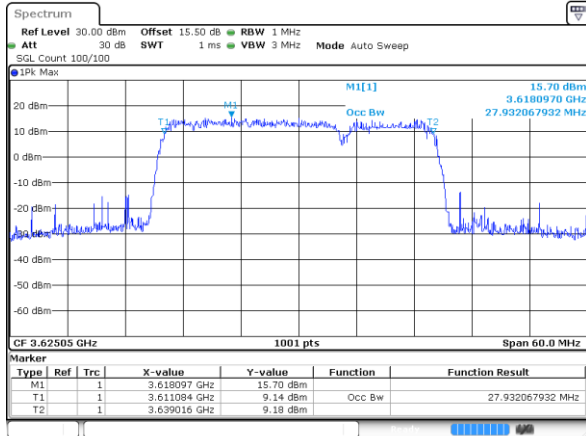
Date: 29 MAR 2024 13:42:58

Middle Channel / 20MHz+5MHz



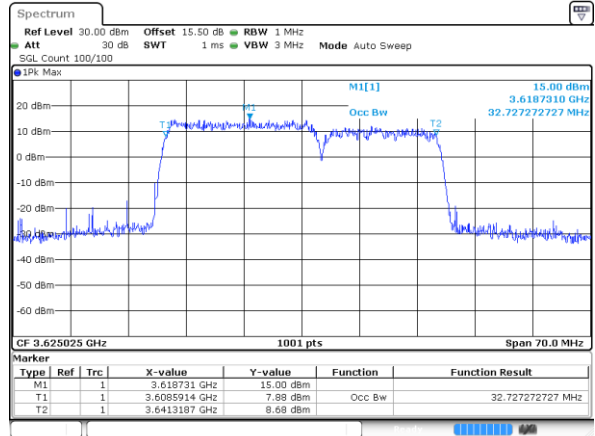
Date: 29 MAR 2024 13:46:13

Middle Channel / 20MHz+10MHz

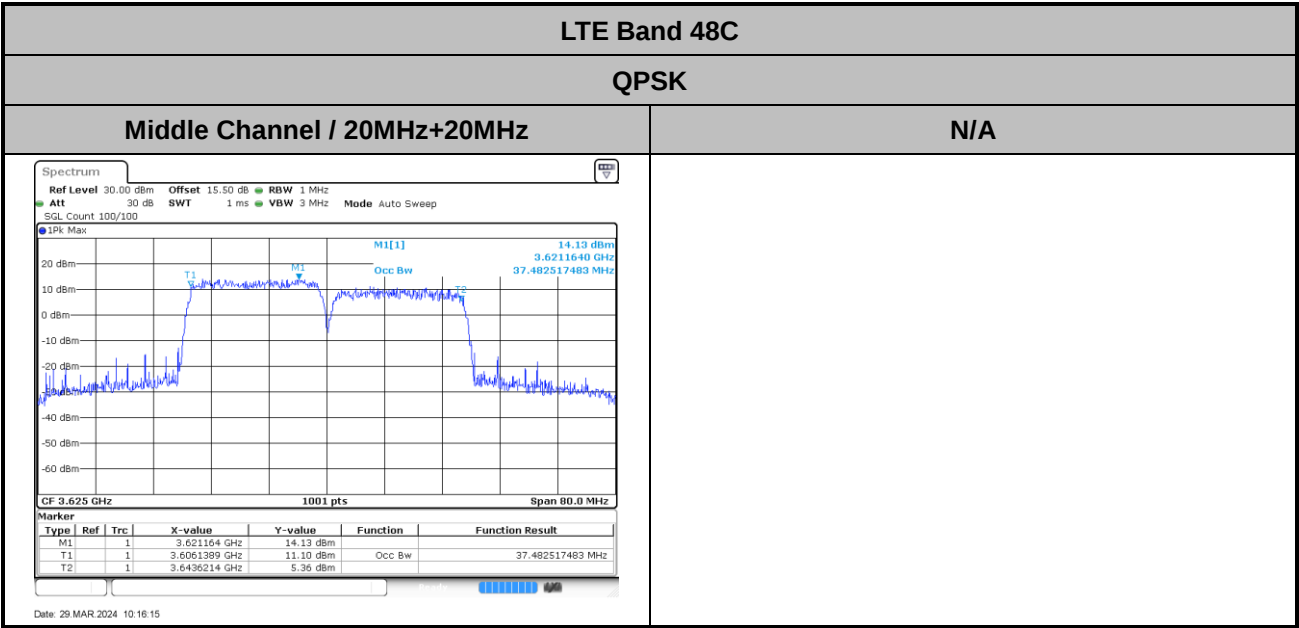


Date: 29 MAR 2024 00:08:10

Middle Channel / 20MHz+15MHz



Date: 29 MAR 2024 09:26:11

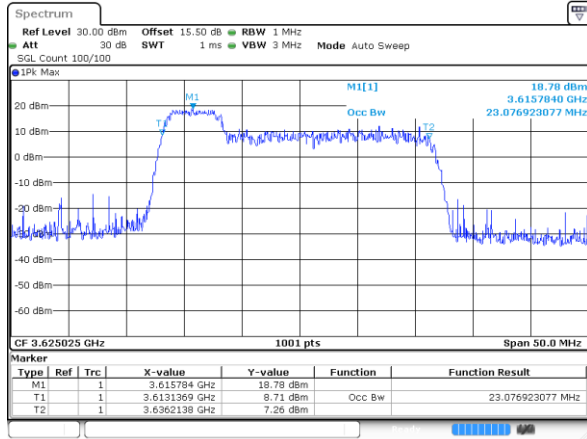




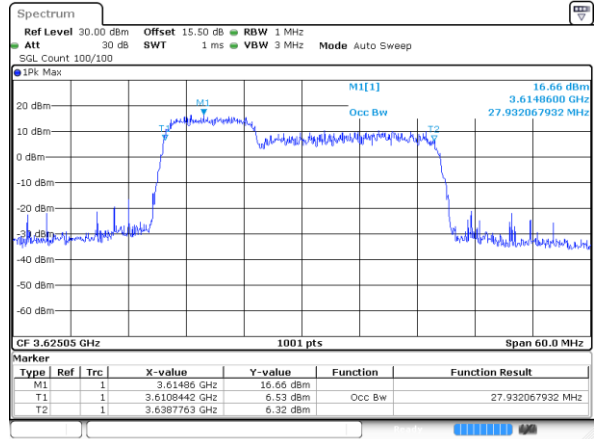
LTE Band 48C

16QAM

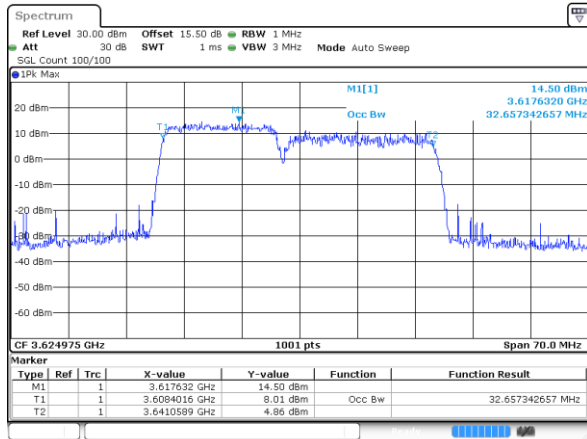
Middle Channel / 5MHz+20MHz



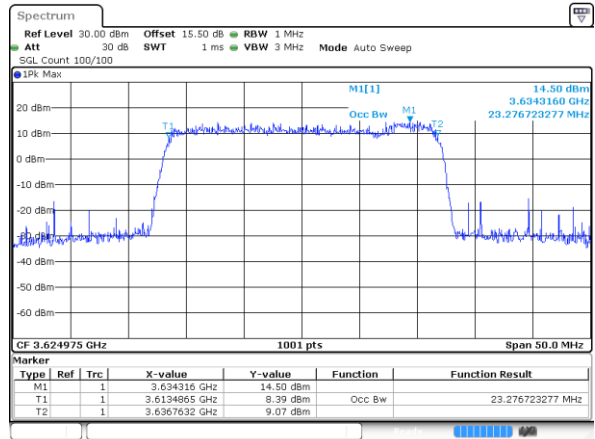
Middle Channel / 10MHz+20MHz



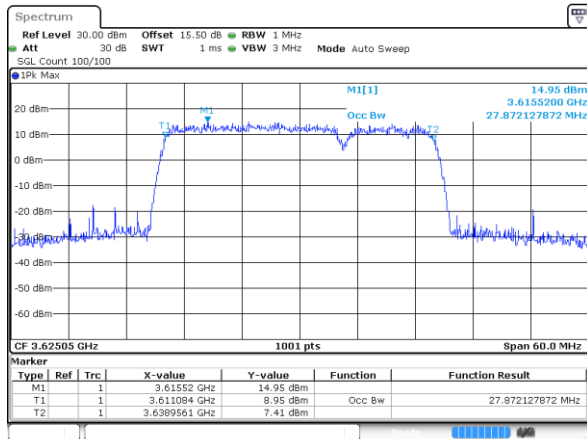
Middle Channel / 15MHz+20MHz



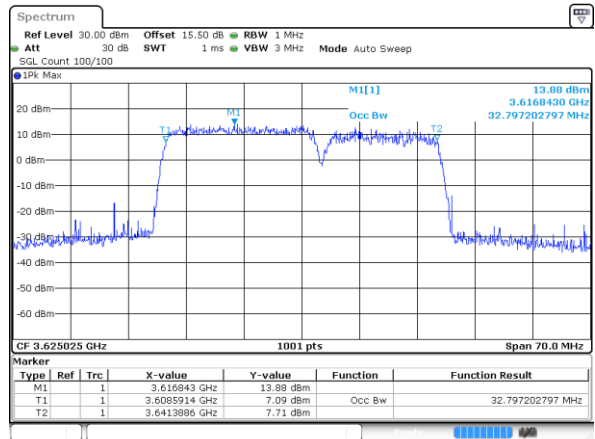
Middle Channel / 20MHz+5MHz

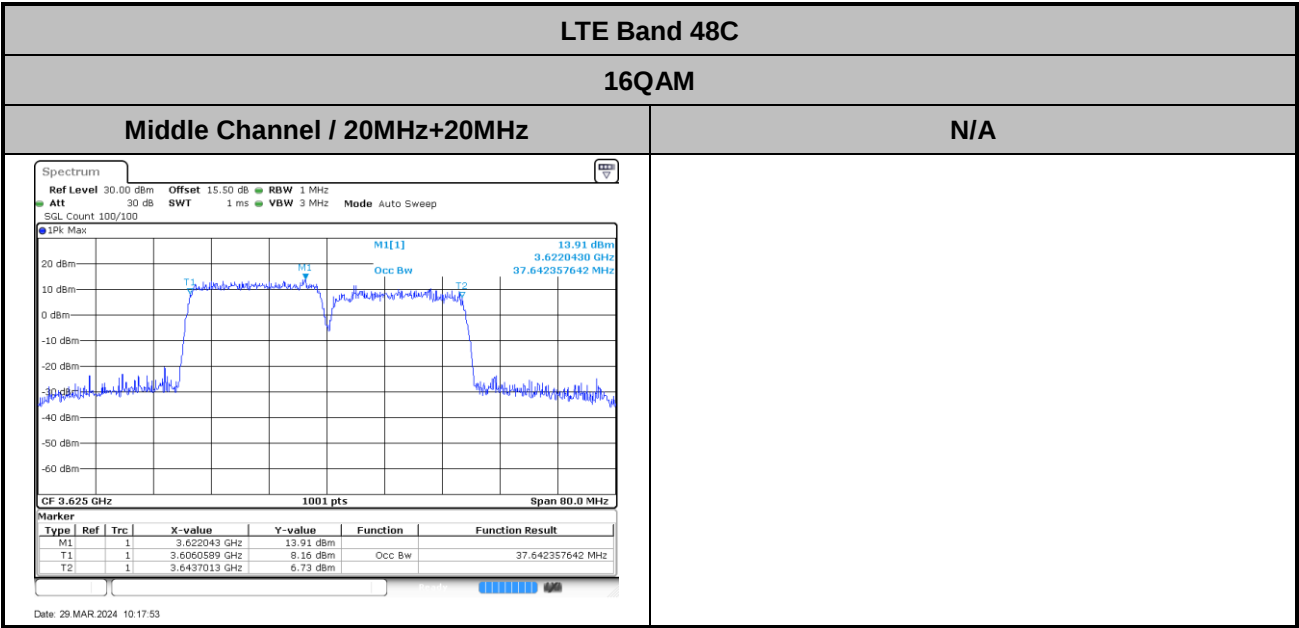


Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz







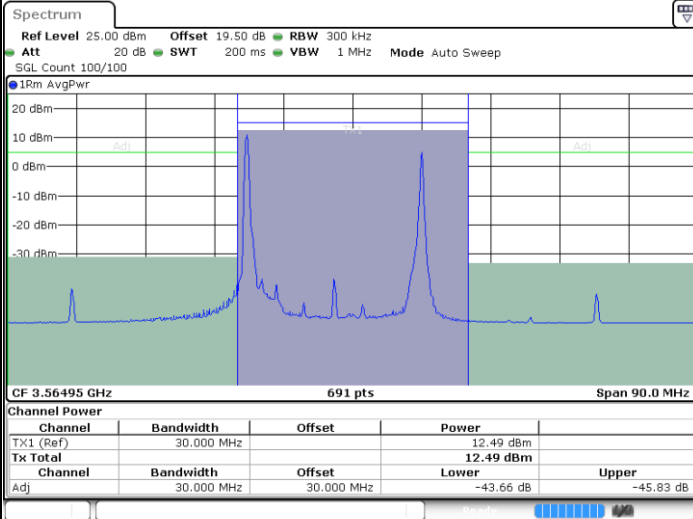
ACLR

LTE Band 48C / 5MHz+20MHz

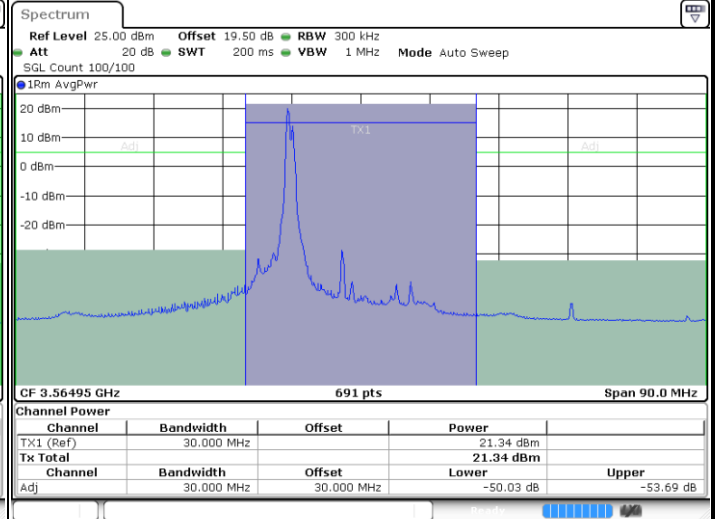
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB24 and 1RB0



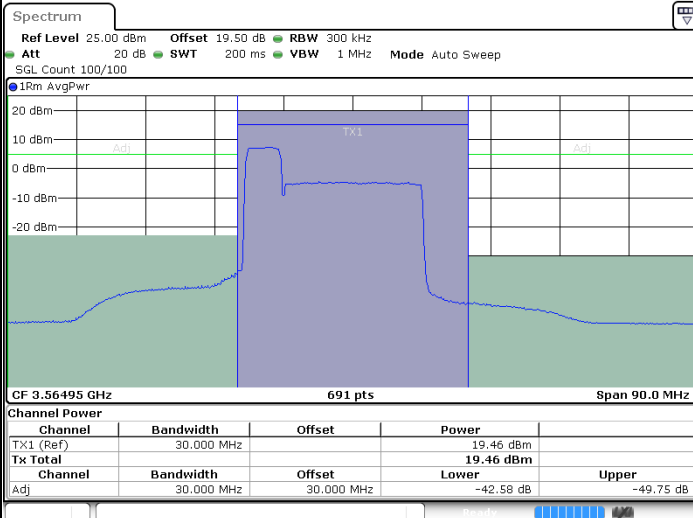
Date: 28 MAR 2024 20:52:06



Date: 28 MAR 2024 20:53:01

Lowest Channel / FullIRB

N/A



Date: 28 MAR 2024 20:47:26

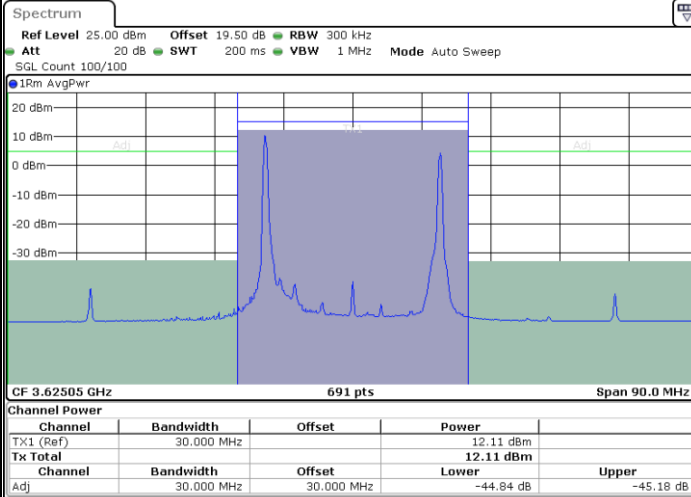


LTE Band 48C / 5MHz+20MHz

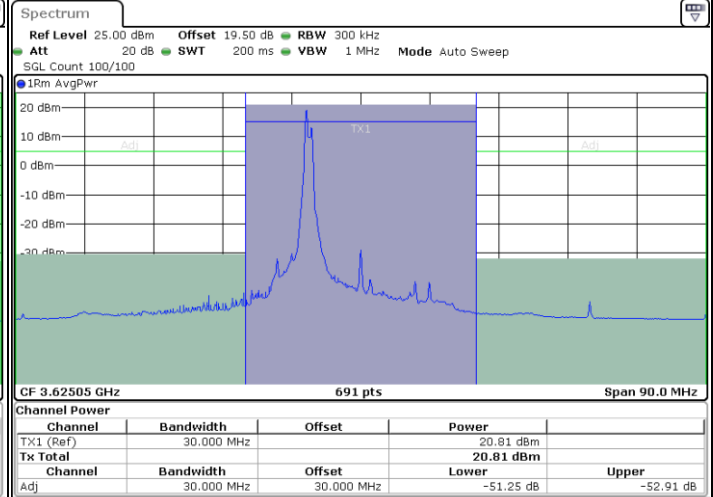
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB24 and 1RB0



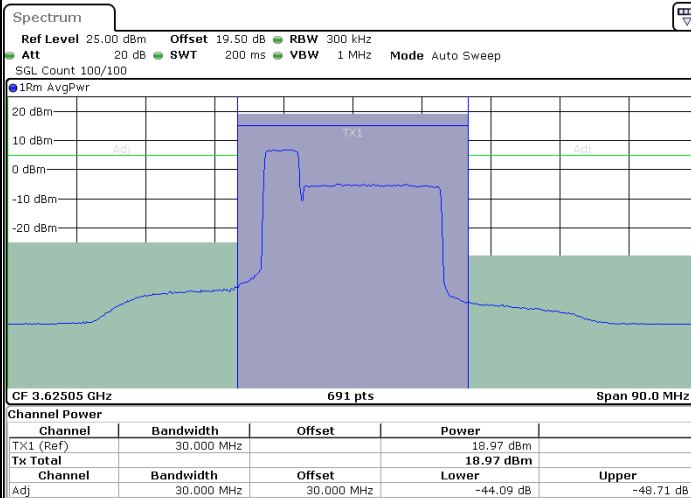
Date: 28 MAR 2024 20:18:43



Date: 28 MAR 2024 20:19:39

Middle Channel / FullRB

N/A



Date: 28 MAR 2024 20:14:03

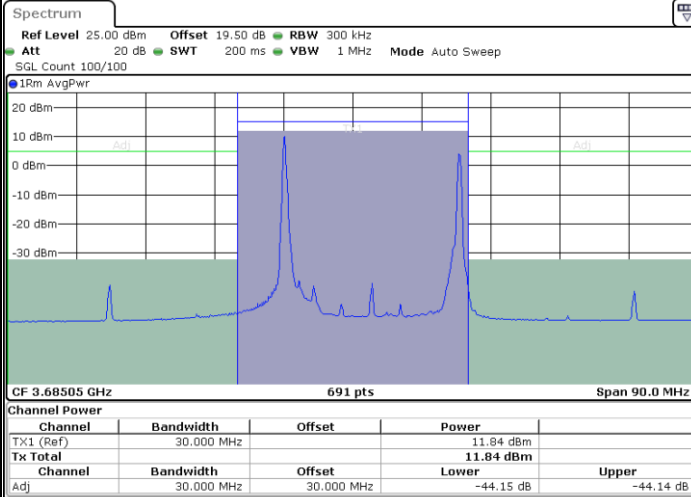


LTE Band 48C / 5MHz+20MHz

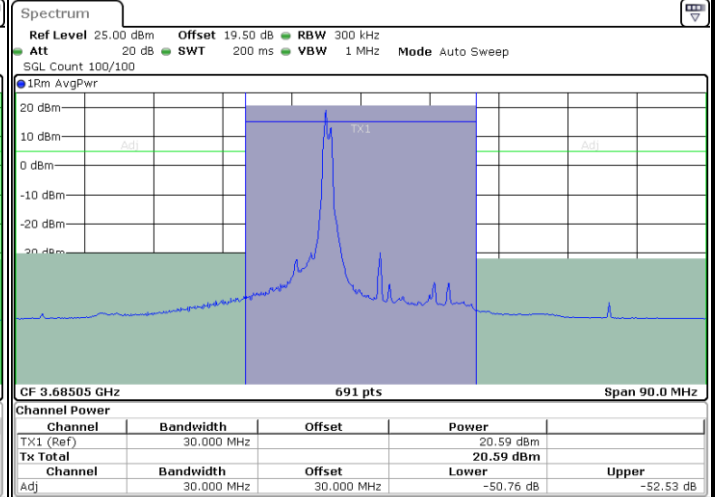
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB24 and 1RB0



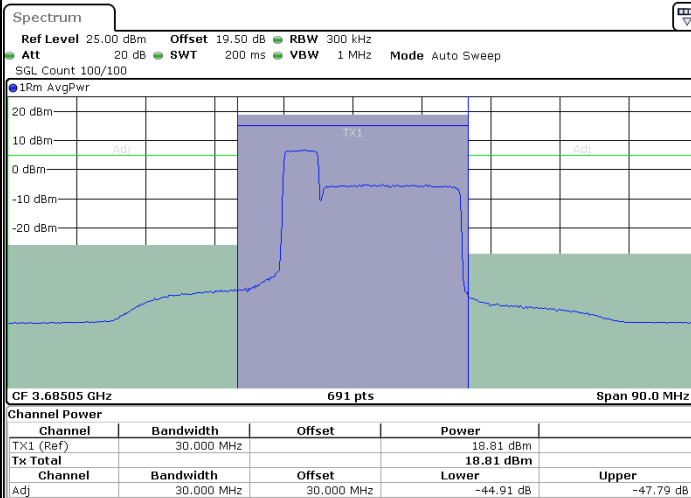
Date: 28 MAR 2024 21:24:45



Date: 28 MAR 2024 21:25:41

Highest Channel / FullRB

N/A



Date: 28 MAR 2024 21:20:06

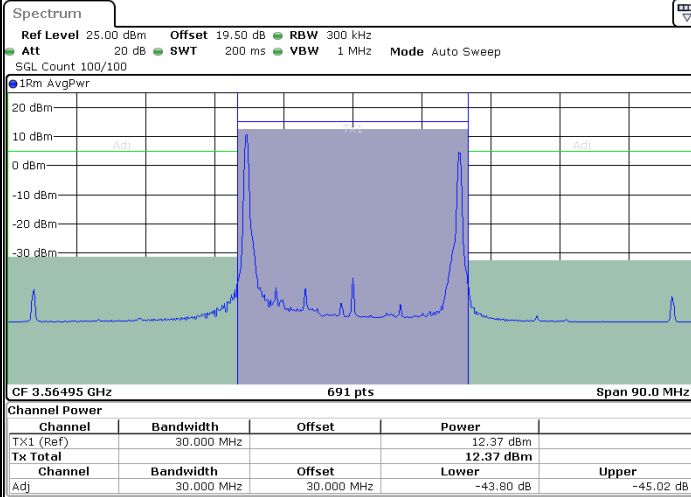


LTE Band 48C / 10MHz+20MHz

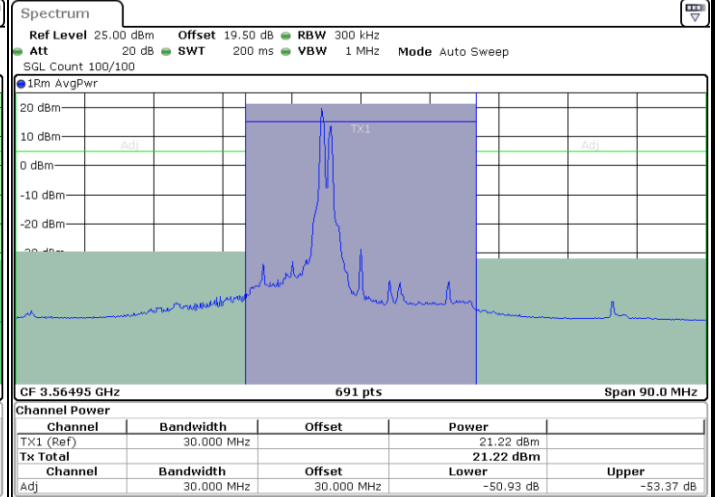
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0



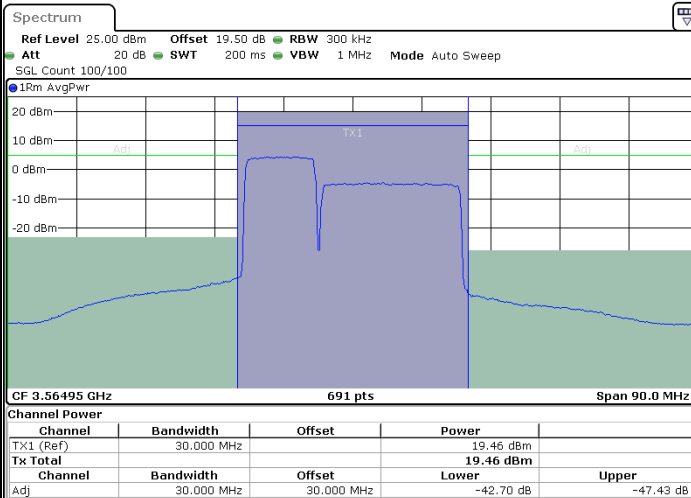
Date: 28 MAR 2024 23:30:30



Date: 28 MAR 2024 23:31:25

Lowest Channel / FullIRB

N/A



Date: 28 MAR 2024 23:25:50

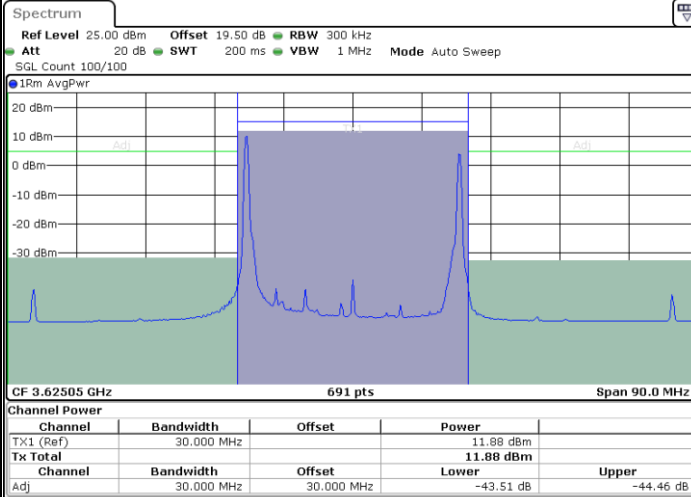


LTE Band 48C / 10MHz+20MHz

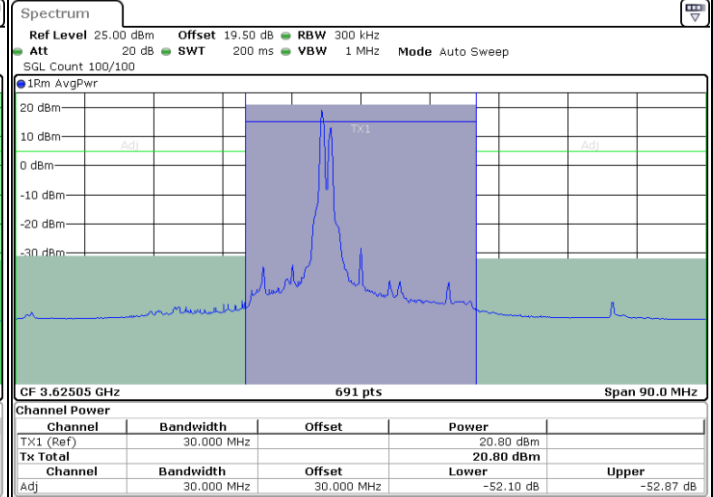
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB49 and 1RB0



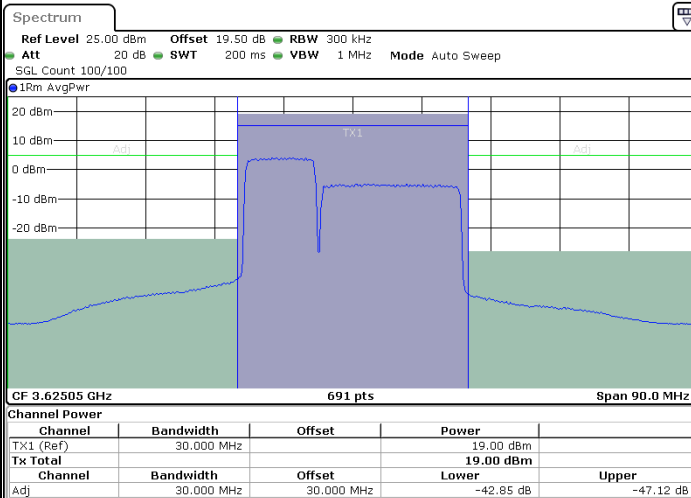
Date: 28 MAR 2024 22:57:50



Date: 28 MAR 2024 22:58:46

Middle Channel / FullRB

N/A



Date: 28 MAR 2024 22:53:11

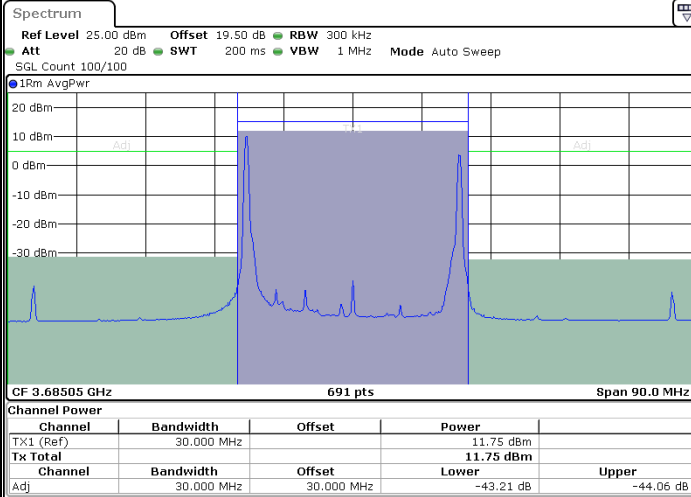


LTE Band 48C / 10MHz+20MHz

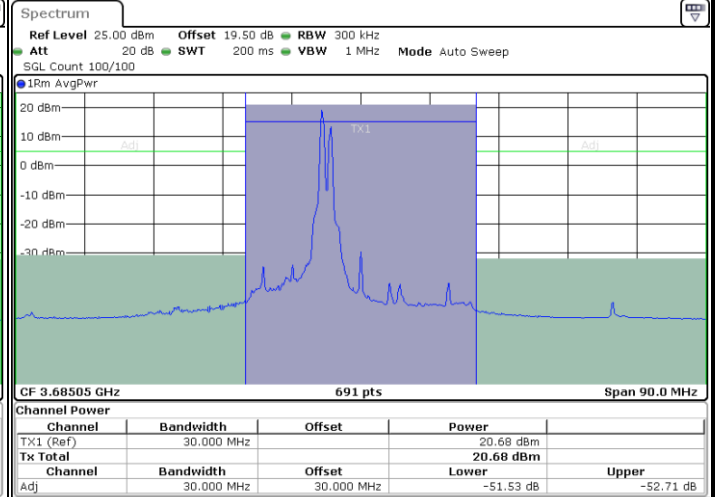
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB49 and 1RB0



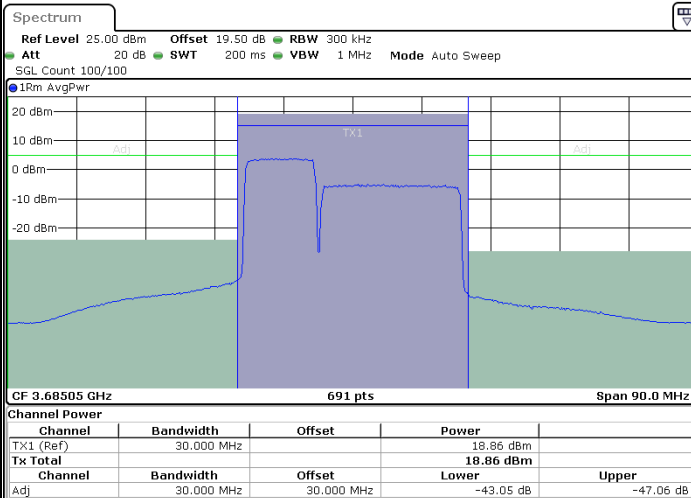
Date: 29 MAR 2024 00:03:09



Date: 29 MAR 2024 00:04:05

Highest Channel / FullRB

N/A



Date: 28 MAR 2024 23:58:30

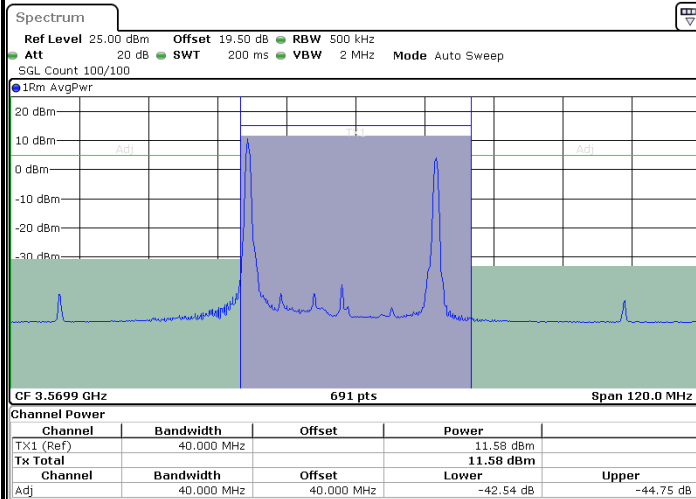


LTE Band 48C / 15MHz+20MHz

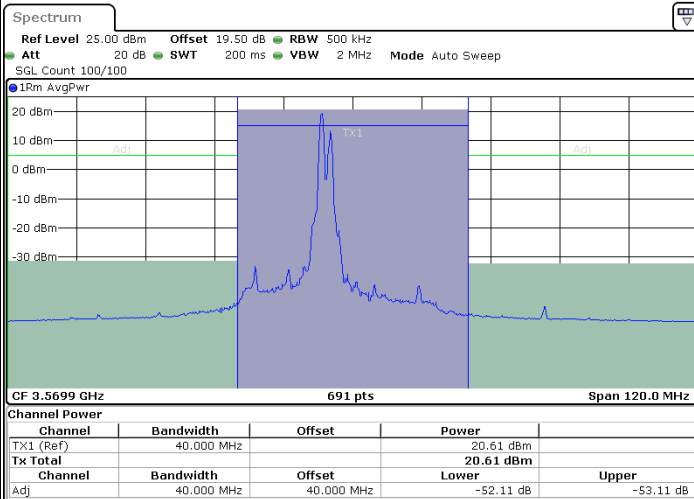
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0



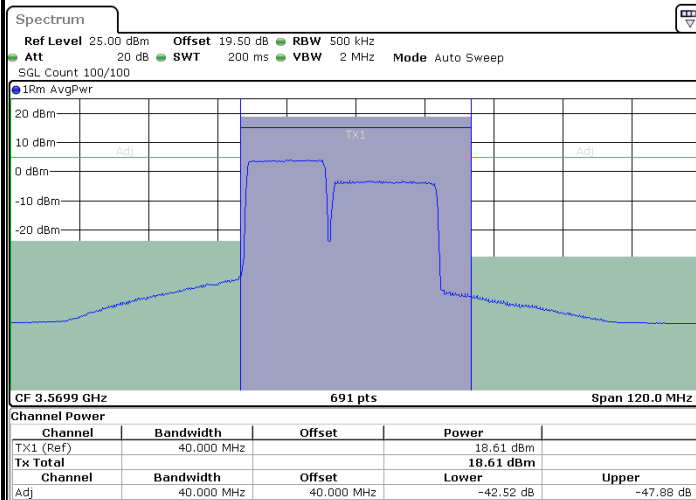
Date: 29 MAR 2024 09:03:48



Date: 29 MAR 2024 09:04:41

Lowest Channel / FullIRB

N/A



Date: 29 MAR 2024 08:59:20

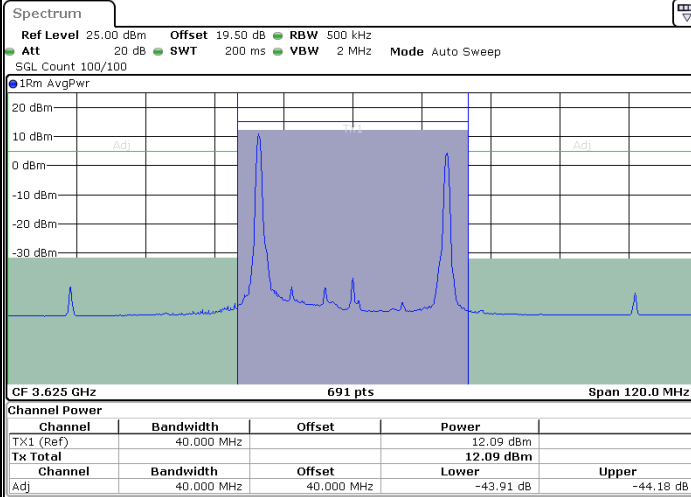


LTE Band 48C / 15MHz+20MHz

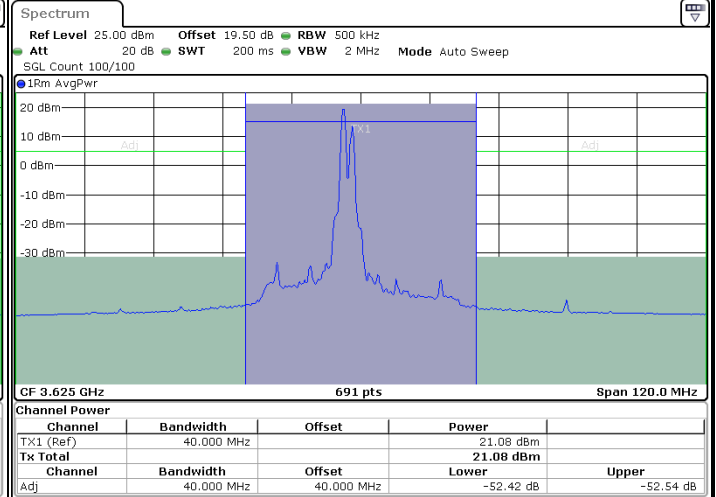
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



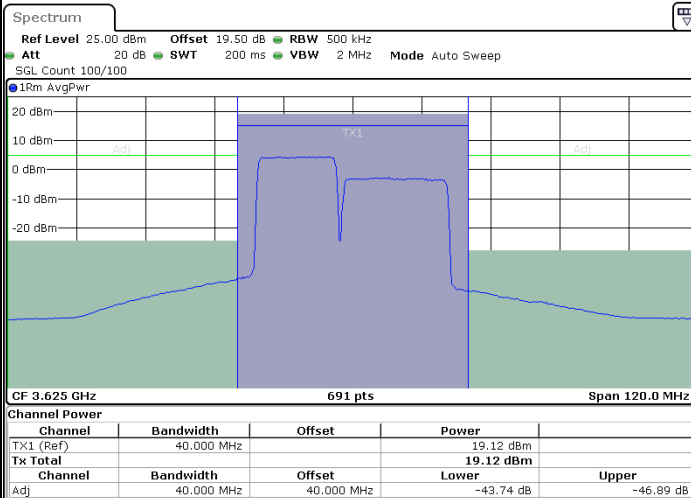
Date: 29 MAR 2024 01:36:57



Date: 29 MAR 2024 01:37:53

Middle Channel / FullRB

N/A



Date: 29 MAR 2024 01:32:18

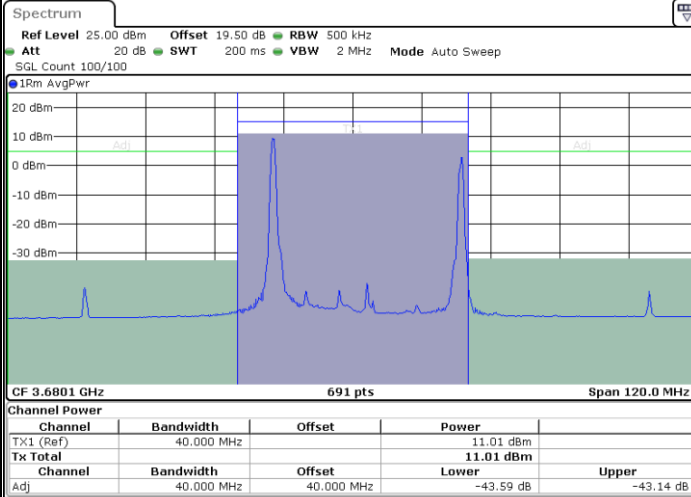


LTE Band 48C / 15MHz+20MHz

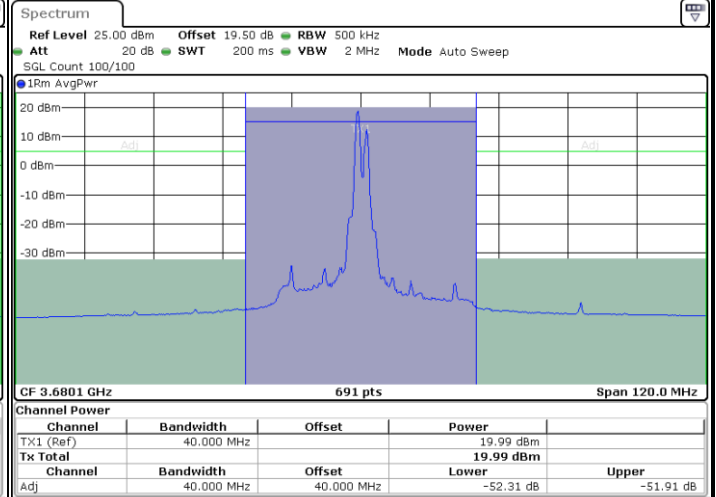
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB74 and 1RB0



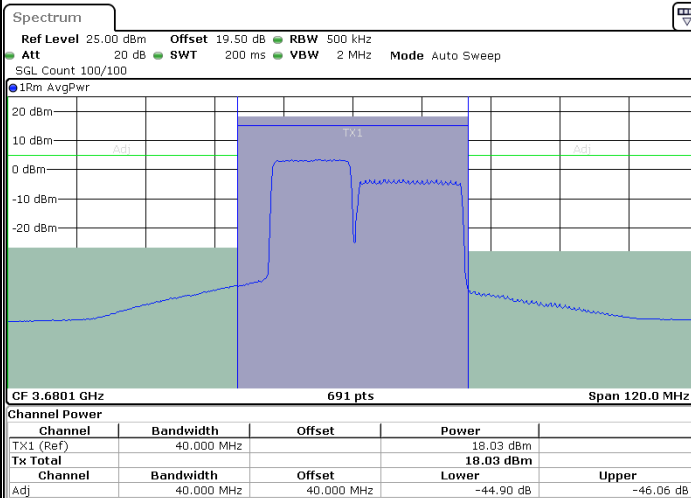
Date: 29 MAR 2024 09:22:09



Date: 29 MAR 2024 09:23:02

Highest Channel / FullRB

N/A



Date: 29 MAR 2024 09:17:41

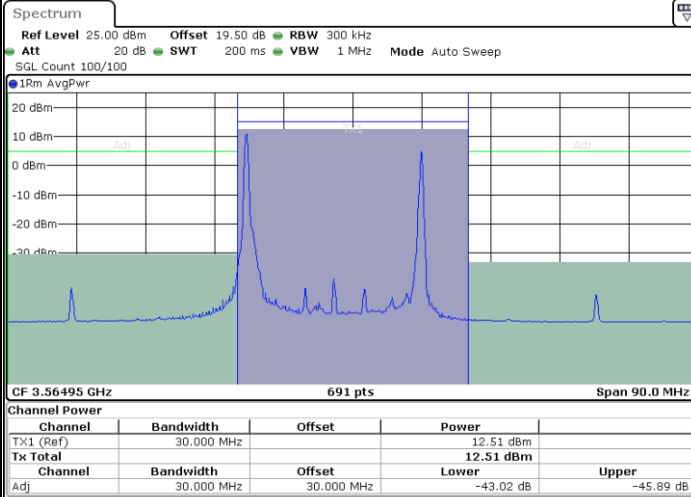


LTE Band 48C / 20MHz+5MHz

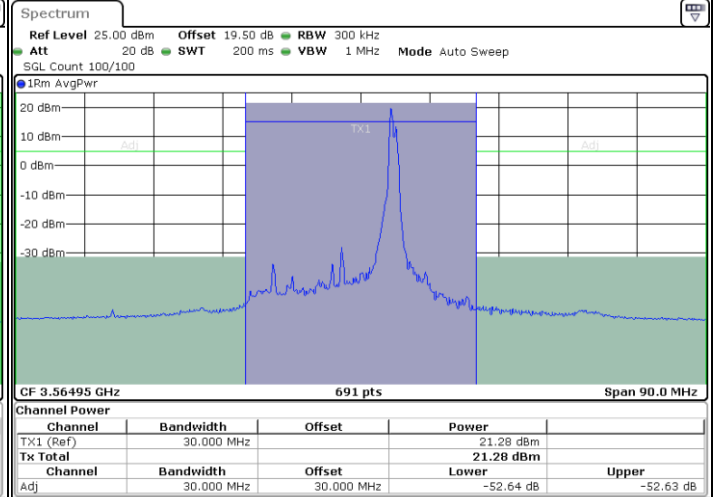
QPSK

Lowest Channel / 1RB0 and 1RB24

Lowest Channel / 1RB99 and 1RB0



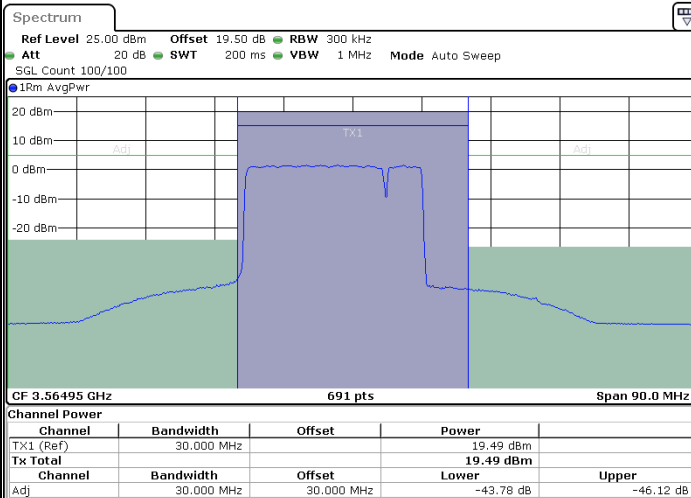
Date: 28 MAR 2024 22:10:32



Date: 28 MAR 2024 22:11:27

Lowest Channel / FullIRB

N/A



Date: 28 MAR 2024 22:05:52

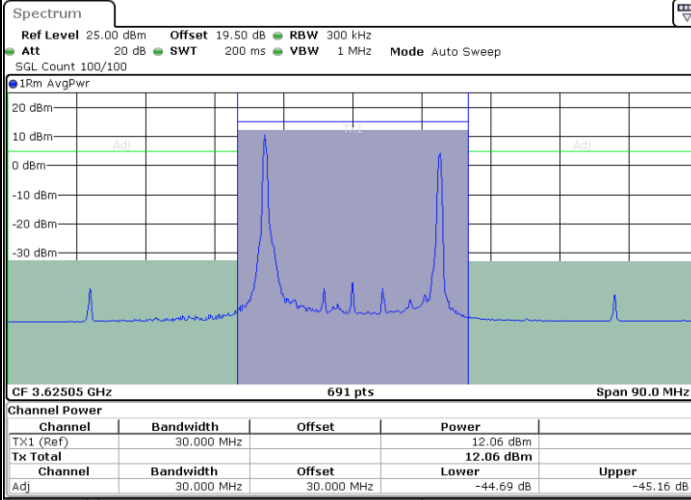


LTE Band 48C / 20MHz+5MHz

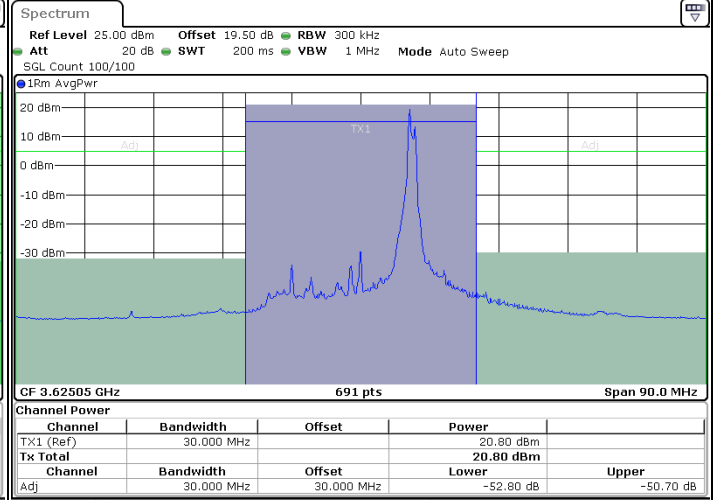
QPSK

Middle Channel / 1RB0 and 1RB24

Middle Channel / 1RB99 and 1RB0



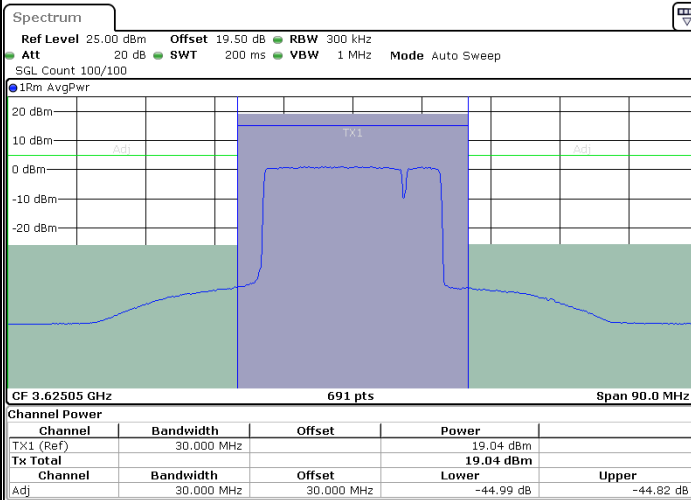
Date: 28 MAR 2024 21:39:24



Date: 28 MAR 2024 21:40:20

Middle Channel / FullIRB

N/A



Date: 28 MAR 2024 21:34:45

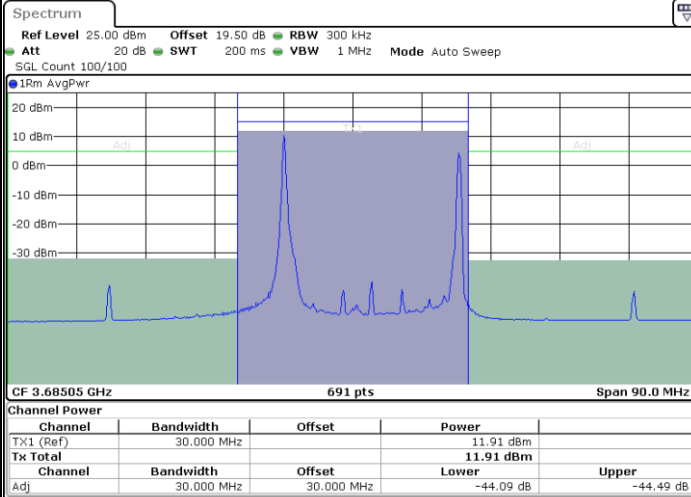


LTE Band 48C / 20MHz+5MHz

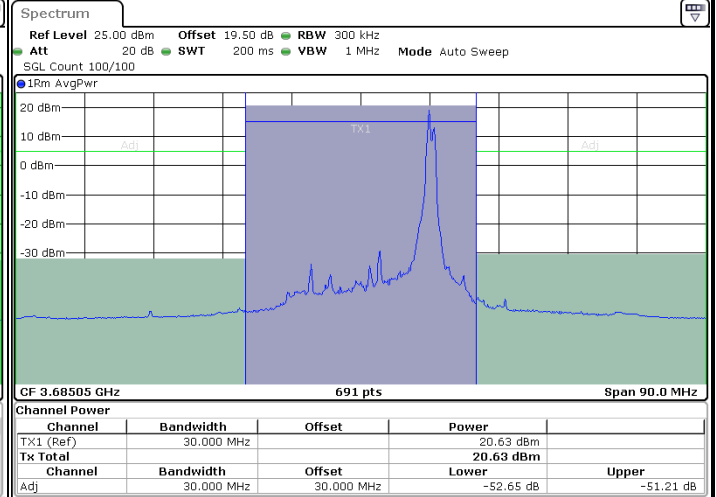
QPSK

Highest Channel / 1RB0 and 1RB24

Highest Channel / 1RB99 and 1RB0



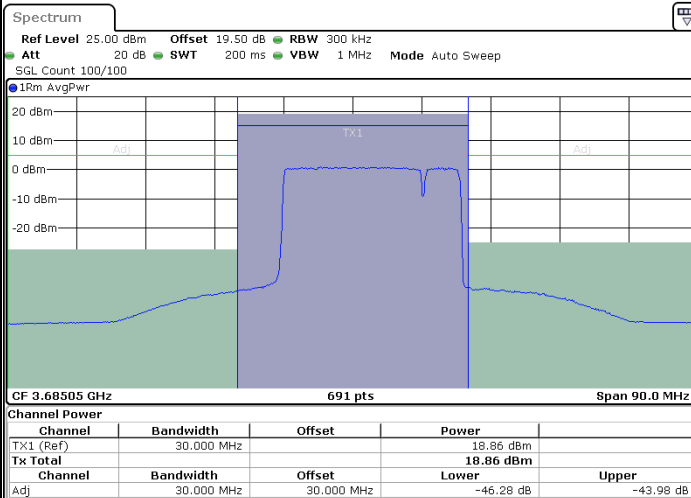
Date: 28 MAR 2024 22:43:11



Date: 28 MAR 2024 22:44:07

Highest Channel / FullRB

N/A



Date: 28 MAR 2024 22:38:32

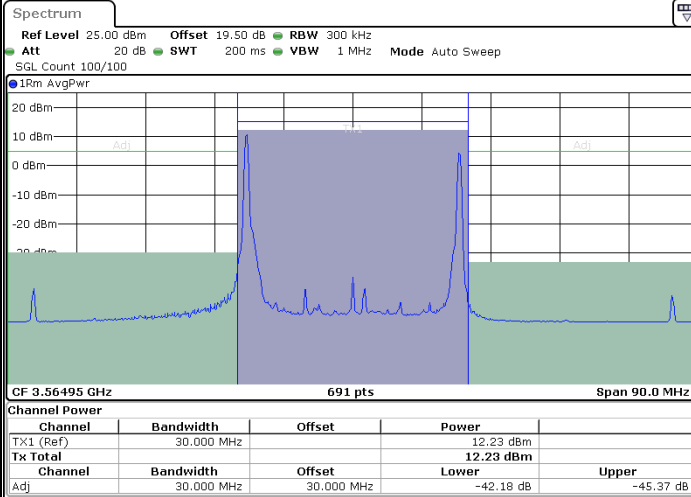


LTE Band 48C / 20MHz+10MHz

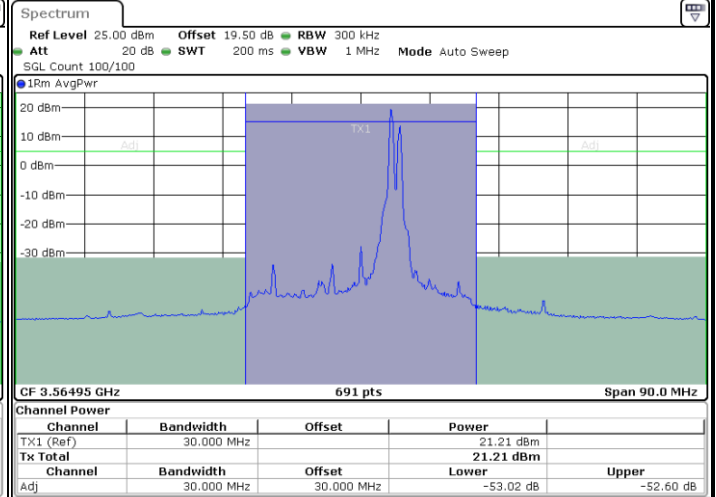
QPSK

Lowest Channel / 1RB0 and 1RB49

Lowest Channel / 1RB99 and 1RB0



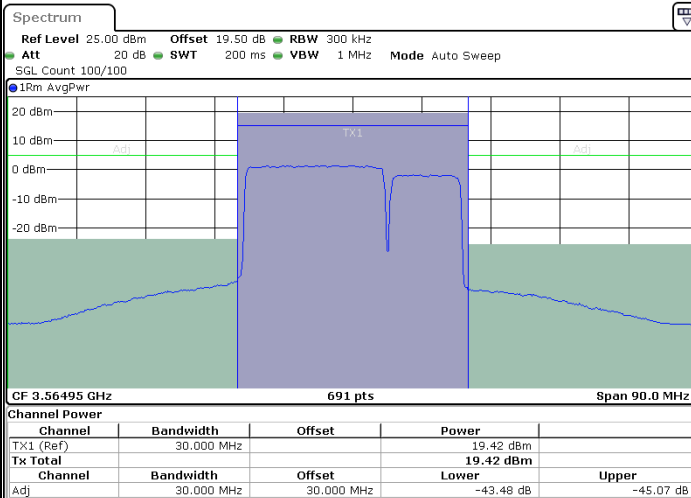
Date: 29 MAR 2024 00:48:55



Date: 29 MAR 2024 00:49:51

Lowest Channel / FullIRB

N/A



Date: 29 MAR 2024 00:44:16

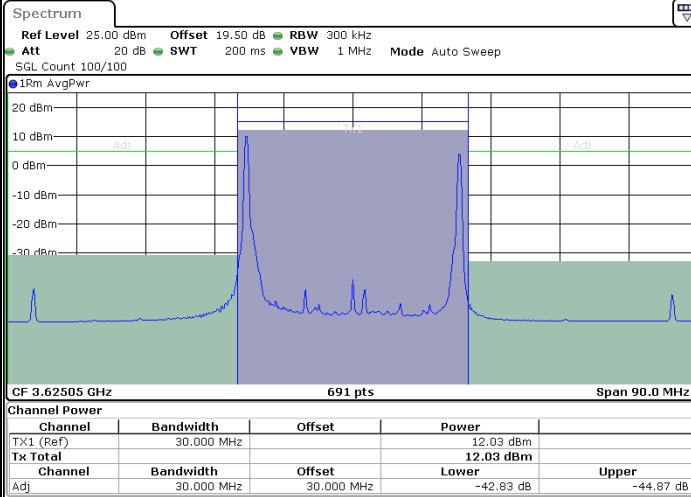


LTE Band 48C / 20MHz+10MHz

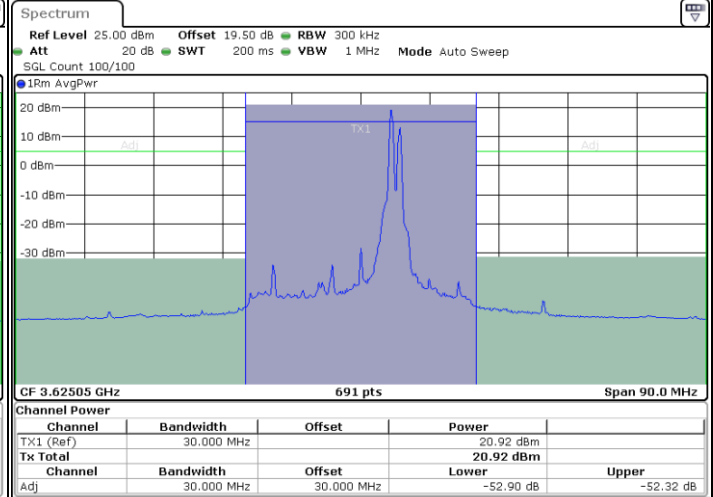
QPSK

Middle Channel / 1RB0 and 1RB49

Middle Channel / 1RB99 and 1RB0



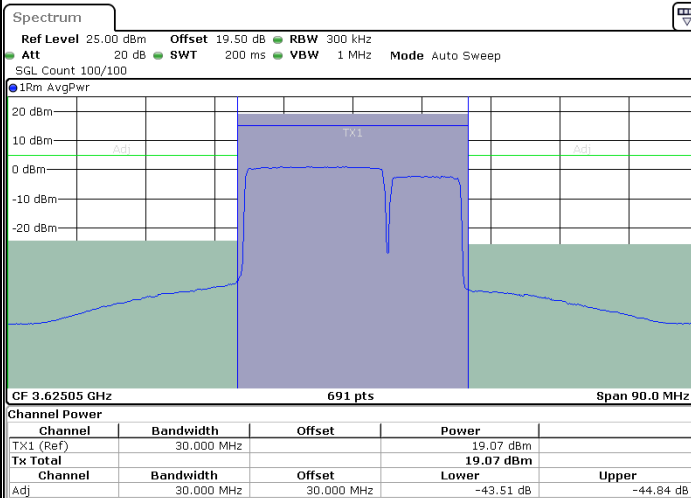
Date: 29 MAR 2024 00:17:48



Date: 29 MAR 2024 00:18:44

Middle Channel / FullRB

N/A



Date: 29 MAR 2024 00:13:09

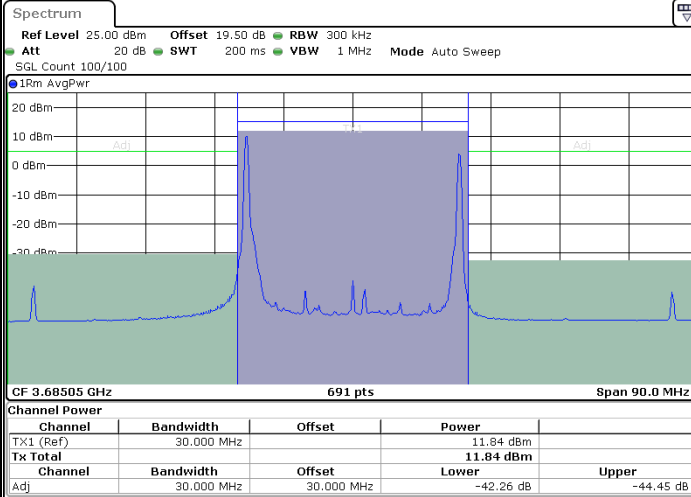


LTE Band 48C / 20MHz+10MHz

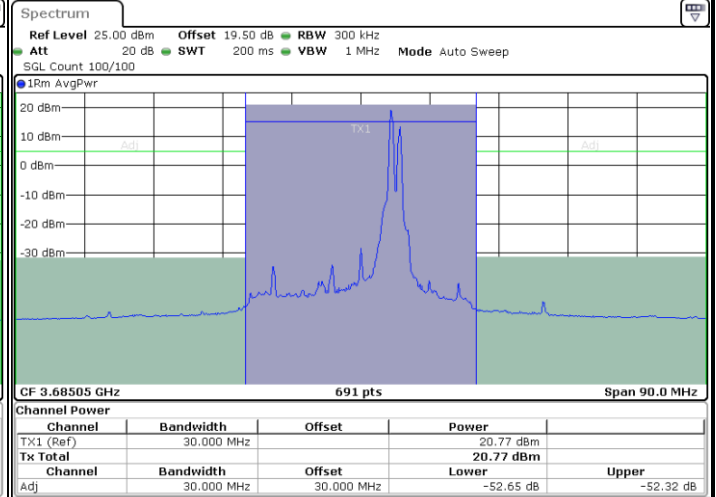
QPSK

Highest Channel / 1RB0 and 1RB49

Highest Channel / 1RB99 and 1RB0



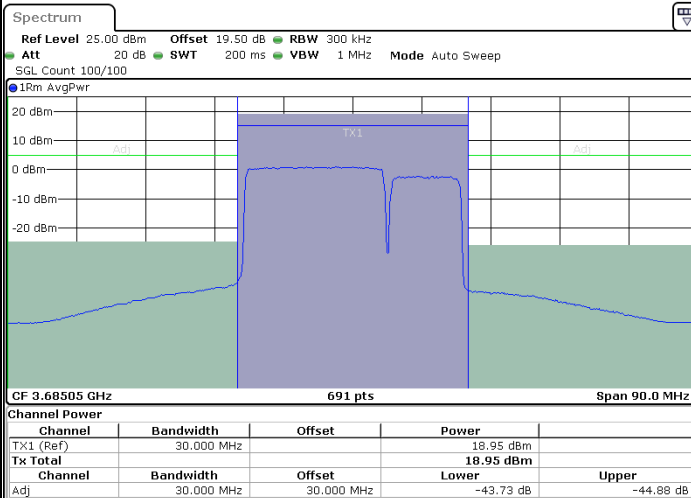
Date: 29 MAR 2024 01:21:36



Date: 29 MAR 2024 01:22:31

Highest Channel / FullRB

N/A



Date: 29 MAR 2024 01:16:56

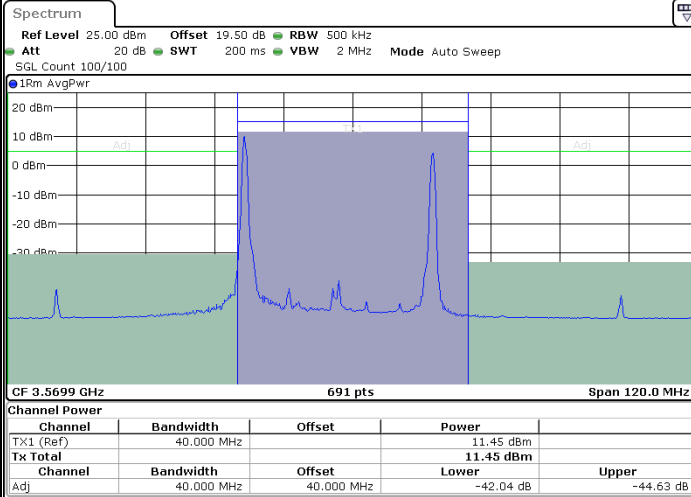


LTE Band 48C / 20MHz+15MHz

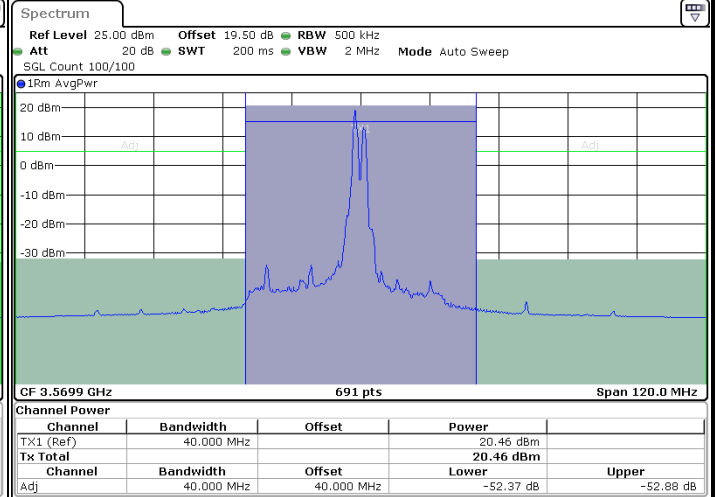
QPSK

Lowest Channel / 1RB0 and 1RB74

Lowest Channel / 1RB99 and 1RB0



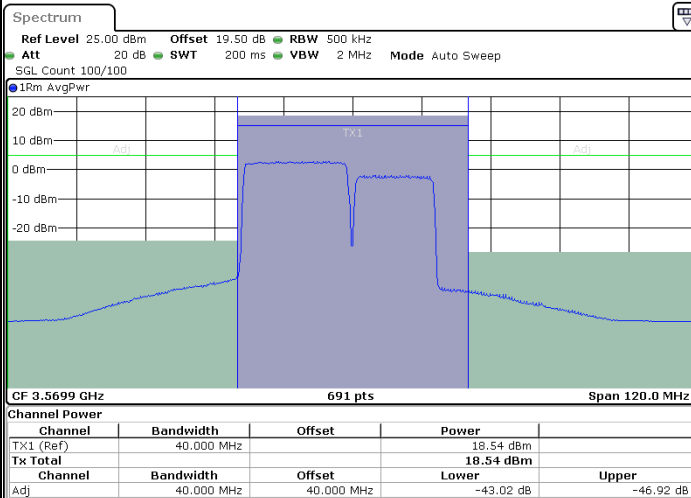
Date: 29 MAR 2024 09:53:06



Date: 29 MAR 2024 09:53:59

Lowest Channel / FullIRB

N/A



Date: 29 MAR 2024 09:48:38

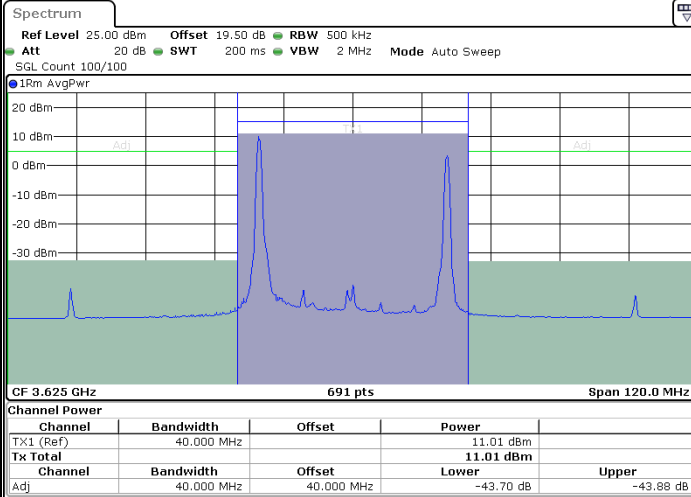


LTE Band 48C / 20MHz+15MHz

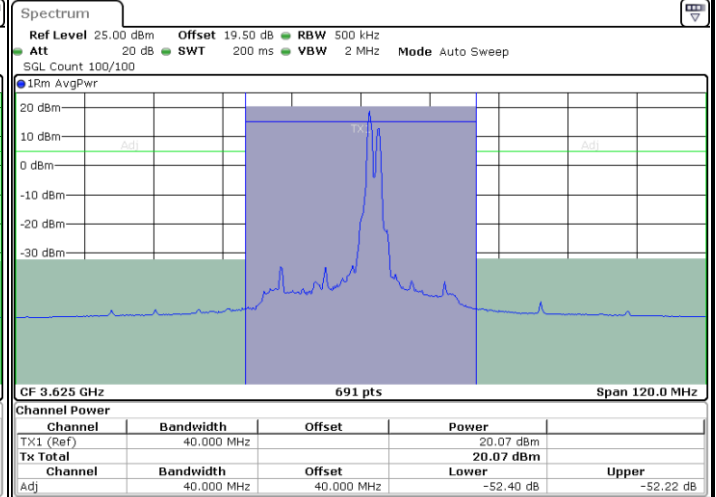
QPSK

Middle Channel / 1RB0 and 1RB74

Middle Channel / 1RB99 and 1RB0



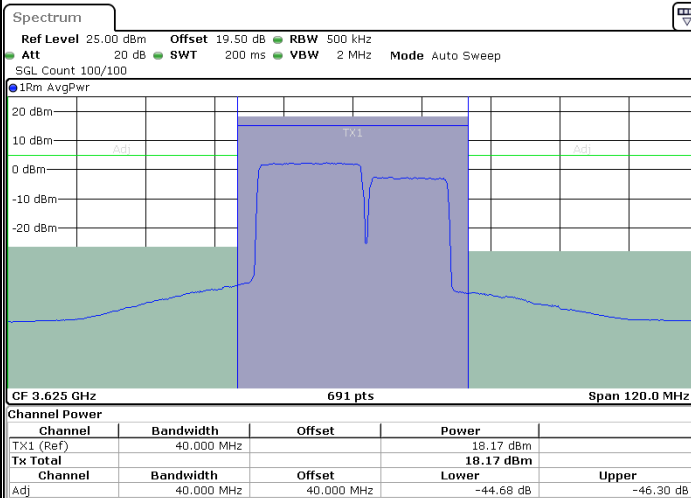
Date: 29.MAR.2024 09:35:28



Date: 29.MAR.2024 09:36:21

Middle Channel / FullRB

N/A



Date: 29.MAR.2024 09:31:00

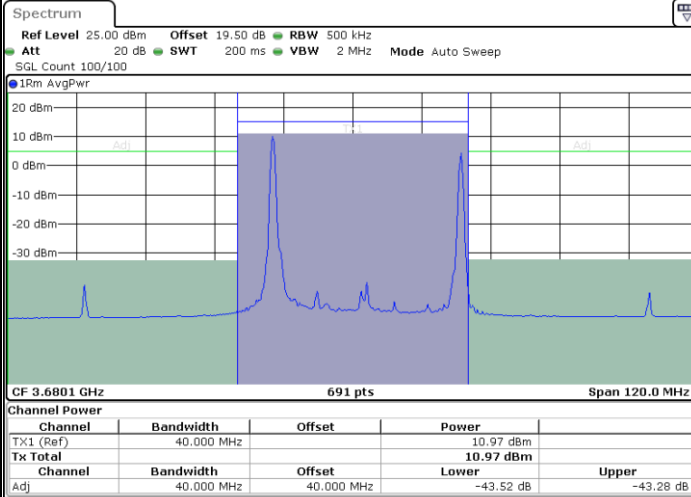


LTE Band 48C / 20MHz+15MHz

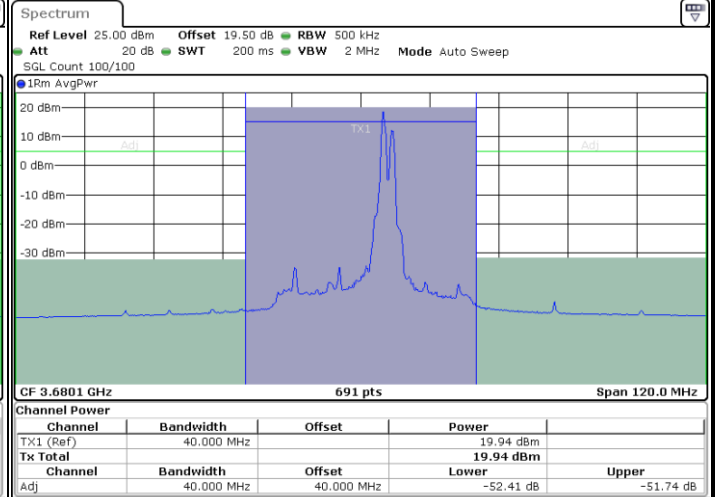
QPSK

Highest Channel / 1RB0 and 1RB74

Highest Channel / 1RB99 and 1RB0



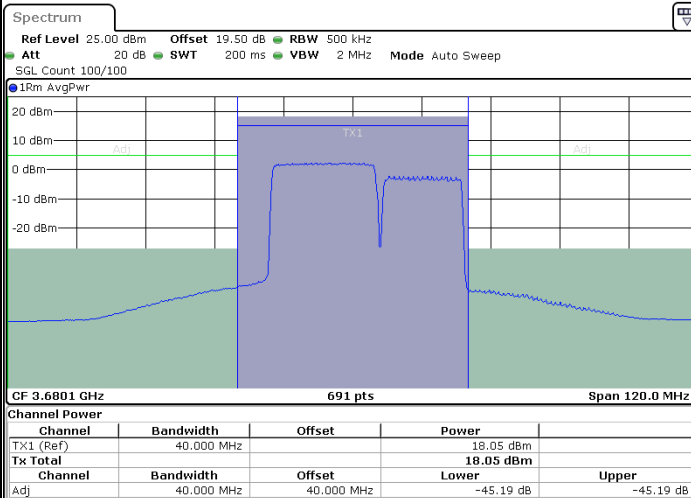
Date: 29 MAR 2024 10:11:30



Date: 29 MAR 2024 10:12:24

Highest Channel / FullRB

N/A



Date: 29 MAR 2024 10:07:03

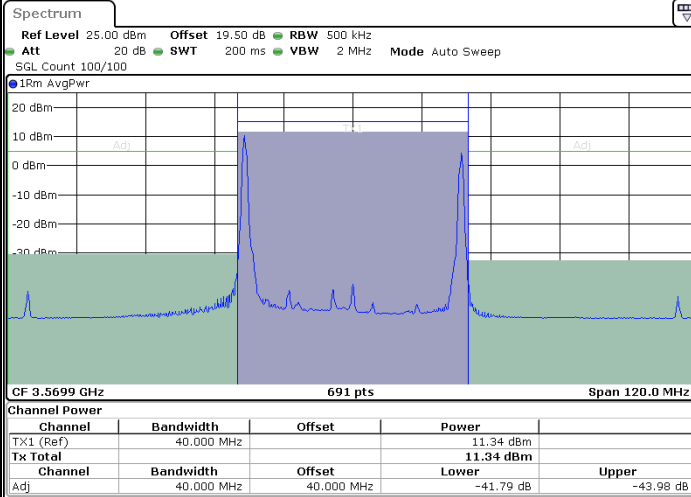


LTE Band 48C / 20MHz+20MHz

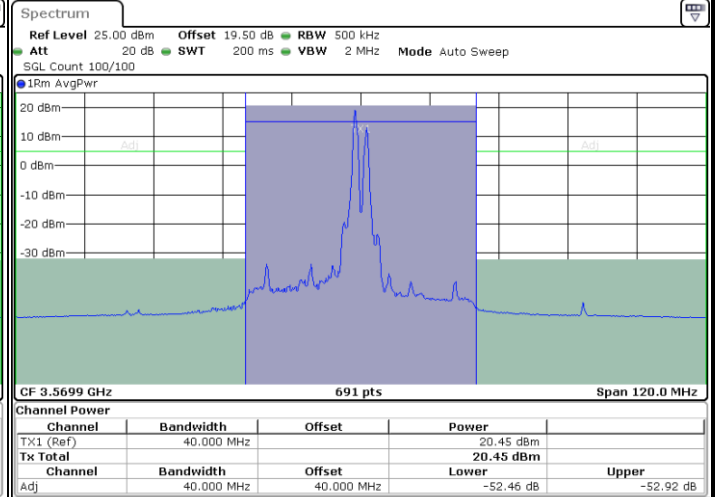
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB99 and 1RB0



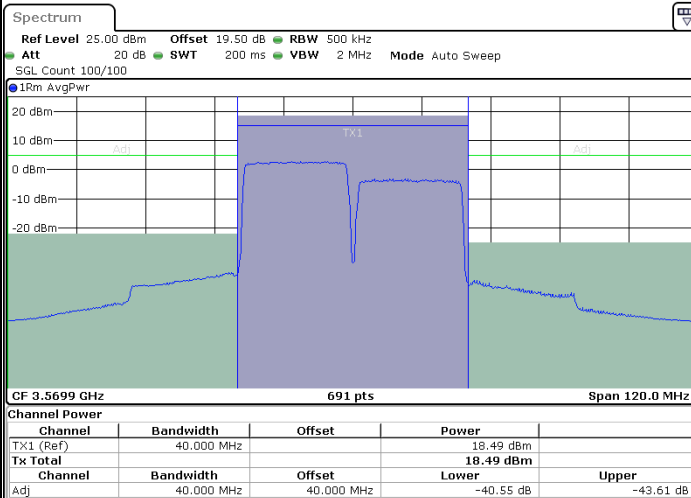
Date: 29 MAR 2024 10:42:14



Date: 29 MAR 2024 10:43:06

Lowest Channel / FullIRB

N/A



Date: 29 MAR 2024 10:37:56

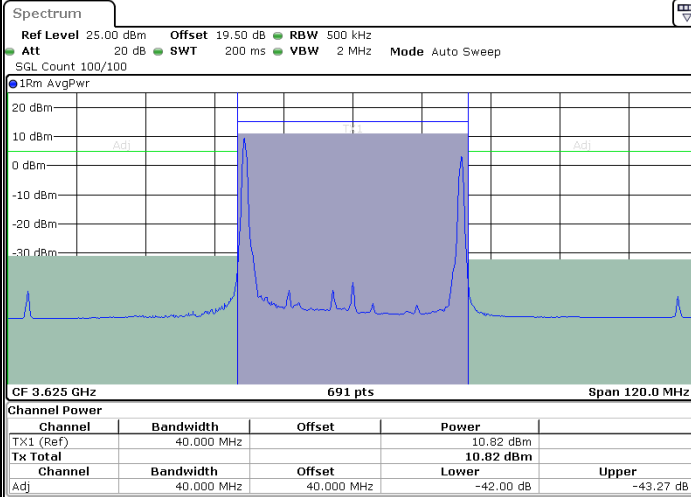


LTE Band 48C / 20MHz+20MHz

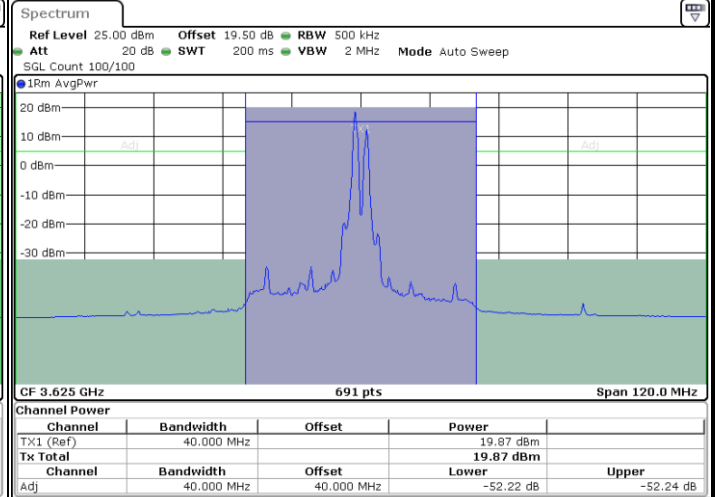
QPSK

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0



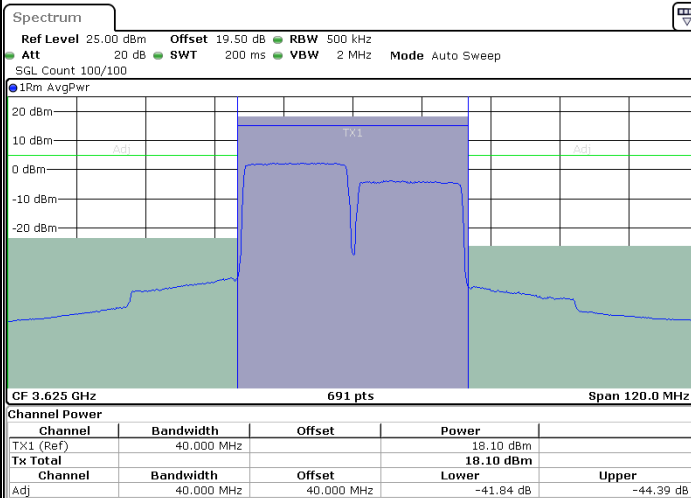
Date: 29.MAR.2024 10:25:13



Date: 29.MAR.2024 10:26:05

Middle Channel / FullRB

N/A



Date: 29.MAR.2024 10:20:55

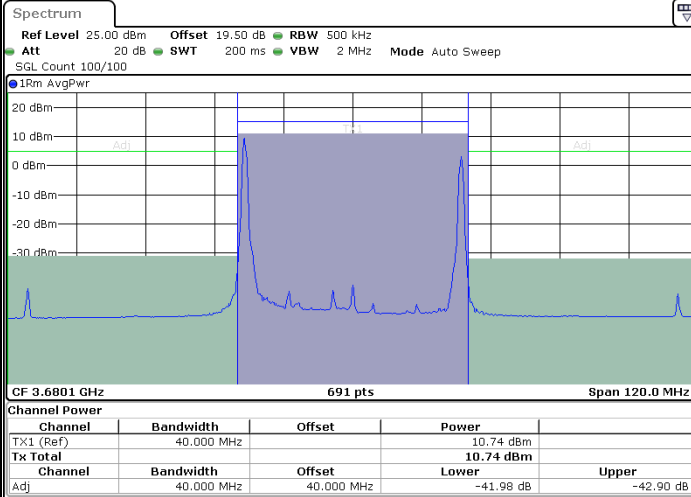


LTE Band 48C / 20MHz+20MHz

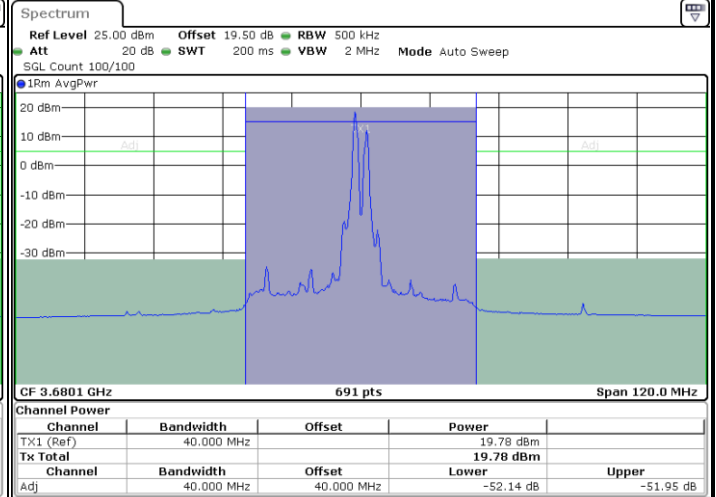
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



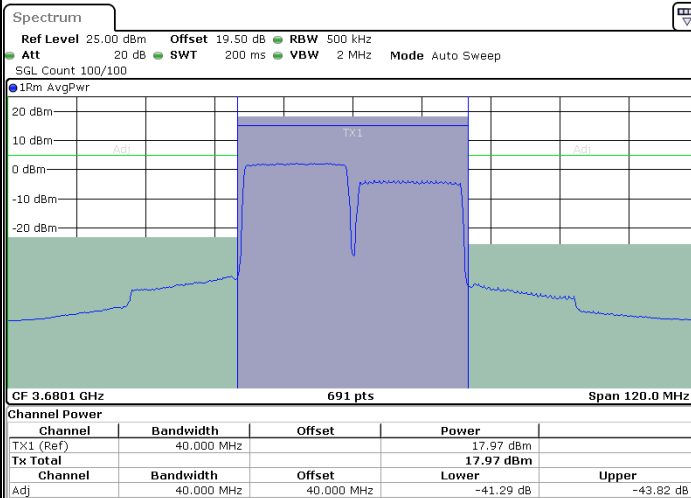
Date: 29 MAR 2024 11:00:47



Date: 29 MAR 2024 11:01:39

Highest Channel / FullRB

N/A



Date: 29 MAR 2024 10:56:29

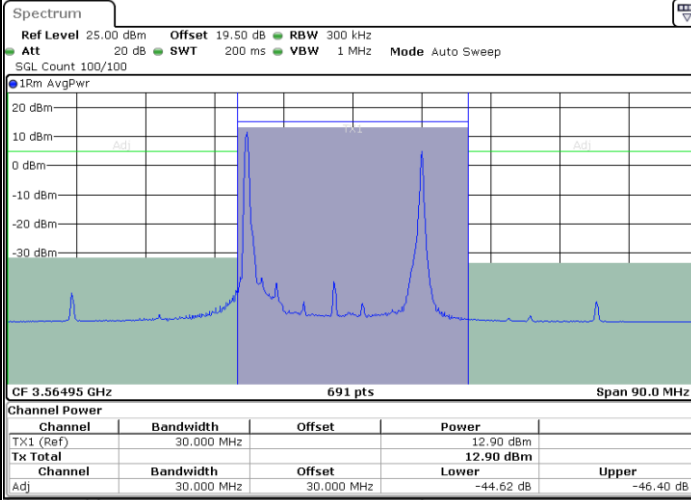


LTE Band 48C / 5MHz+20MHz

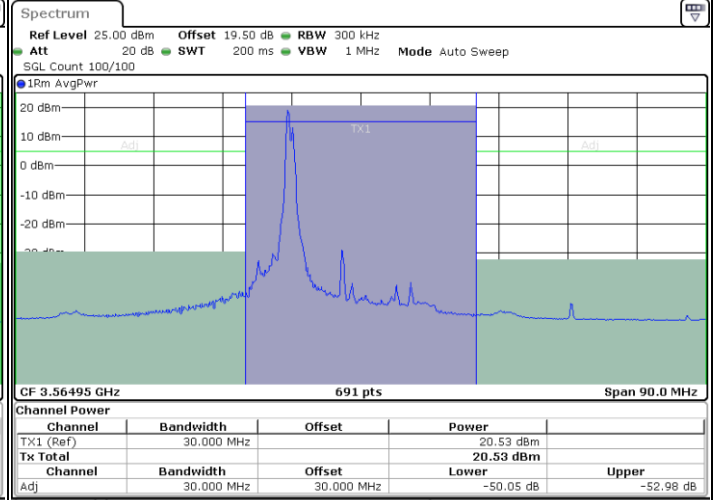
16QAM

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB24 and 1RB0



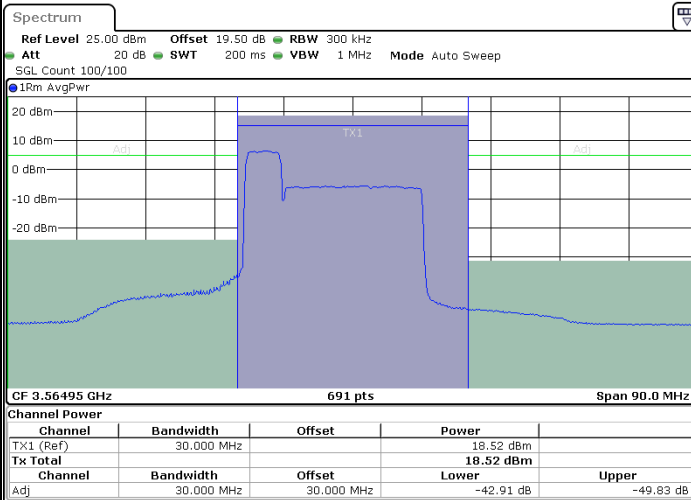
Date: 28 MAR 2024 20:51:10



Date: 28 MAR 2024 20:53:57

Lowest Channel / FullIRB

N/A



Date: 28 MAR 2024 20:48:22