

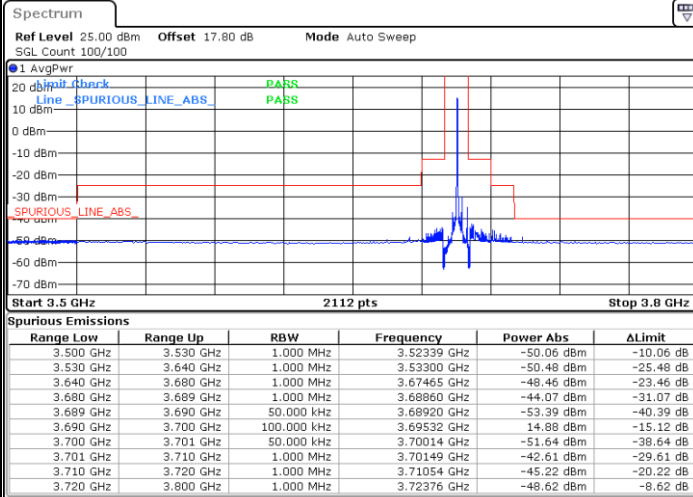


LTE Band 48 / 5MHz

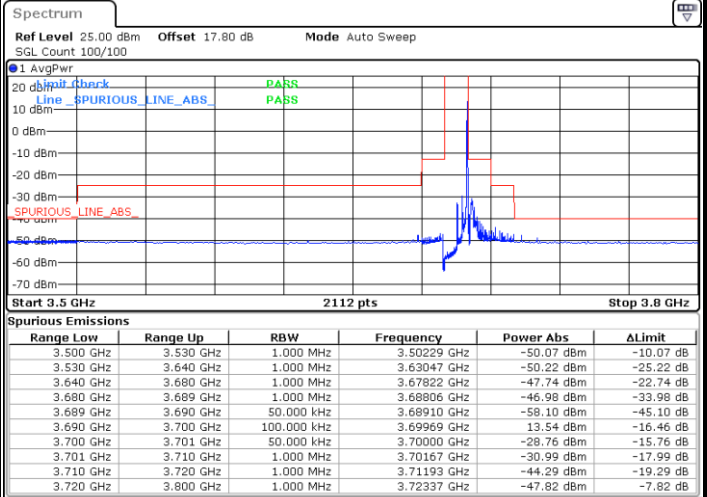
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



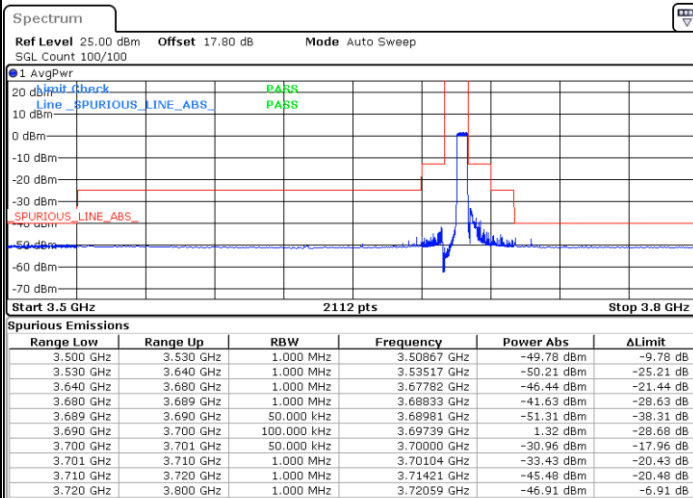
Date: 15.FEB.2024 11:58:14



Date: 15.FEB.2024 12:05:35

Highest Channel / FullIRB

N/A



Date: 15.FEB.2024 12:00:58

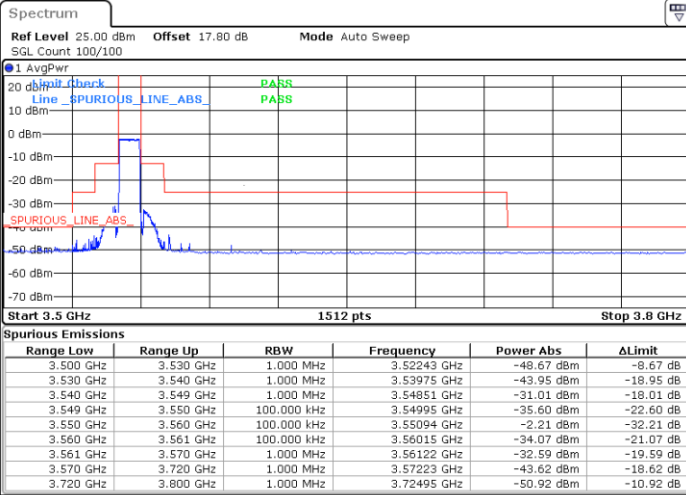


LTE Band 48 / 10MHz

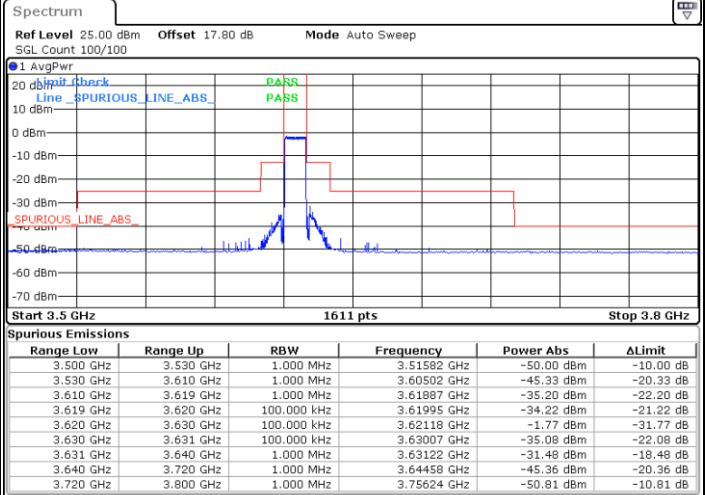
256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



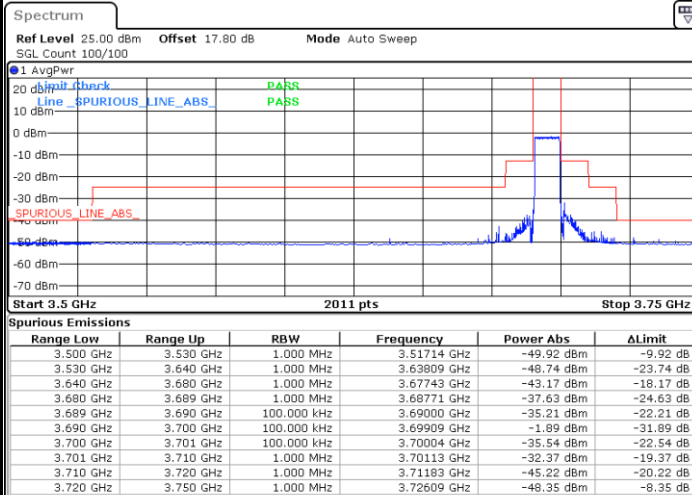
Date: 15.FEB.2024 14:08:17



Date: 15.FEB.2024 12:08:10

Highest Channel / FullIRB

N/A



Date: 15.FEB.2024 12:09:04

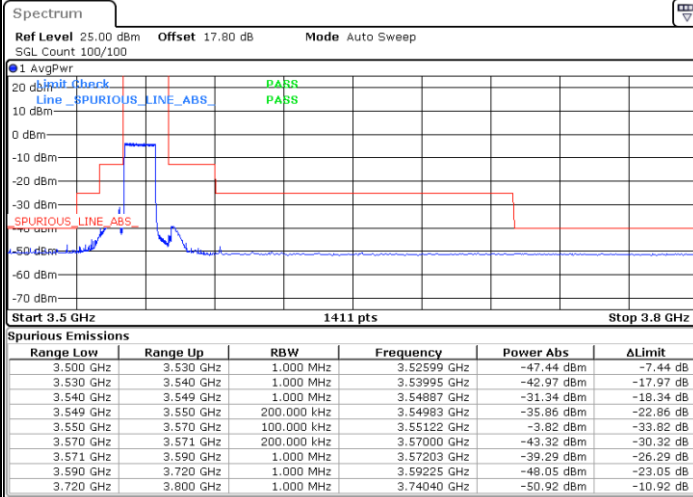


LTE Band 48 / 15MHz

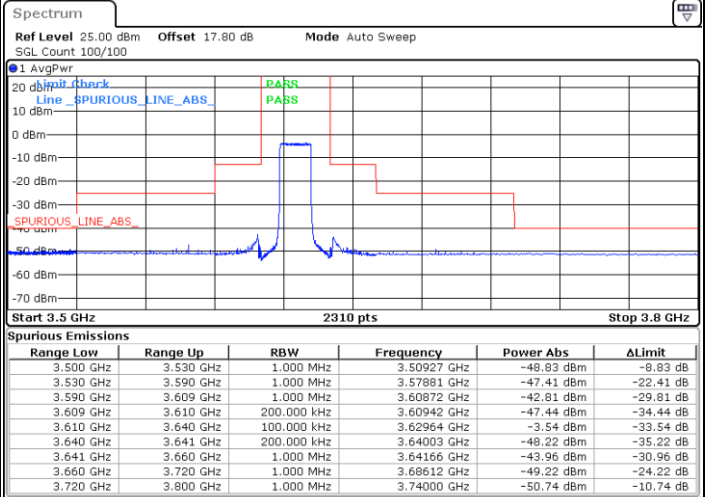
256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



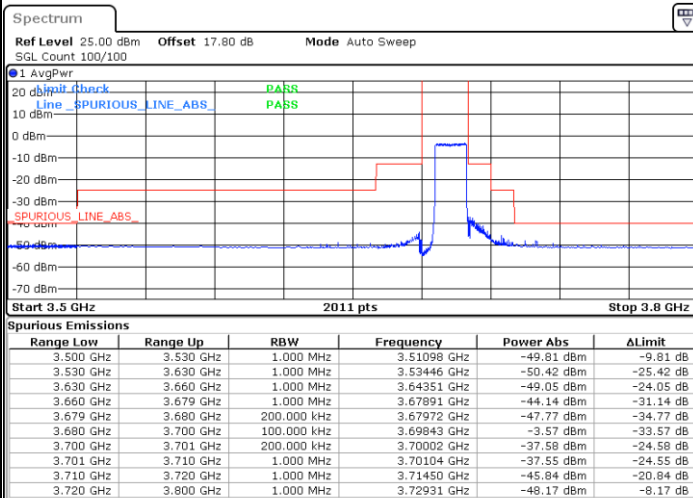
Date: 15.FEB.2024 12:10:45



Date: 15.FEB.2024 12:11:38

Highest Channel / FullIRB

N/A



Date: 15.FEB.2024 12:12:32

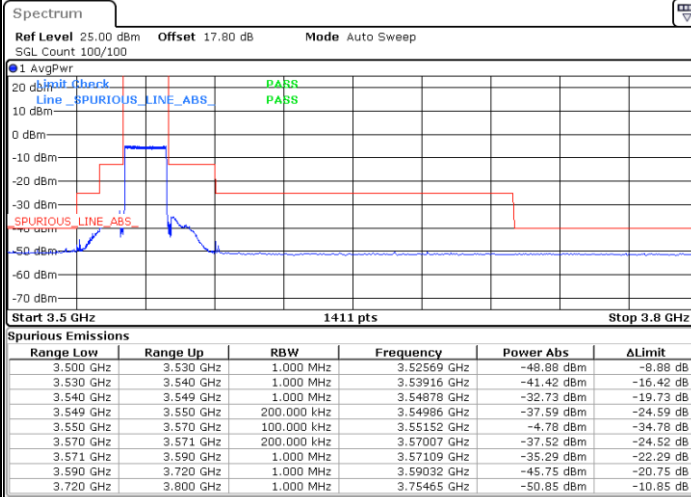


LTE Band 48 / 20MHz

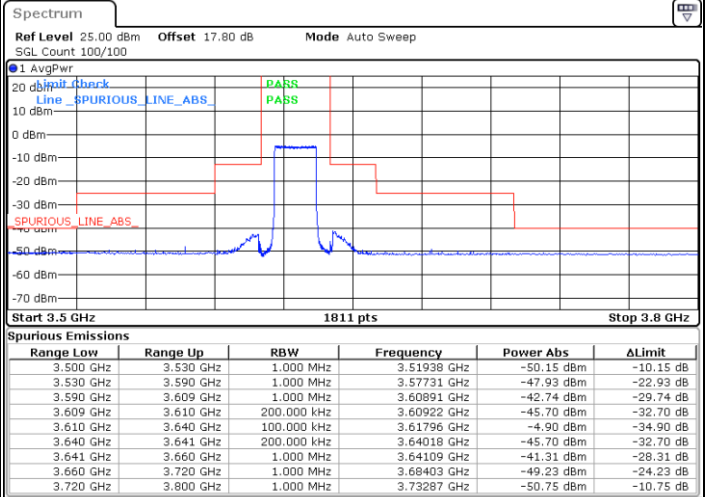
256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



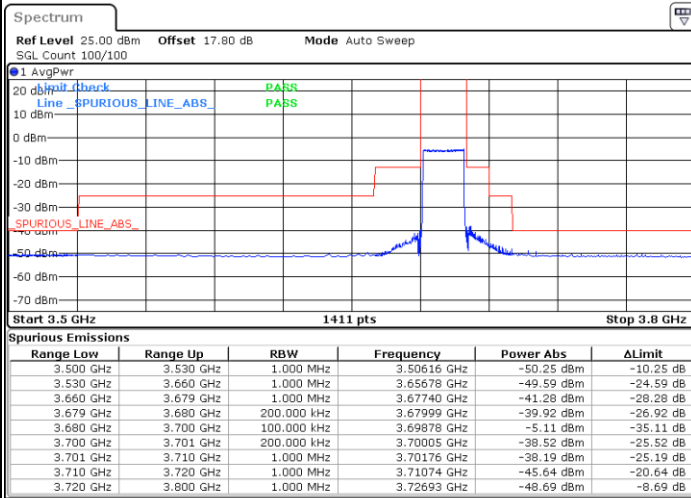
Date: 15.FEB.2024 12:14:14



Date: 15.FEB.2024 12:15:07

Highest Channel / FullIRB

N/A



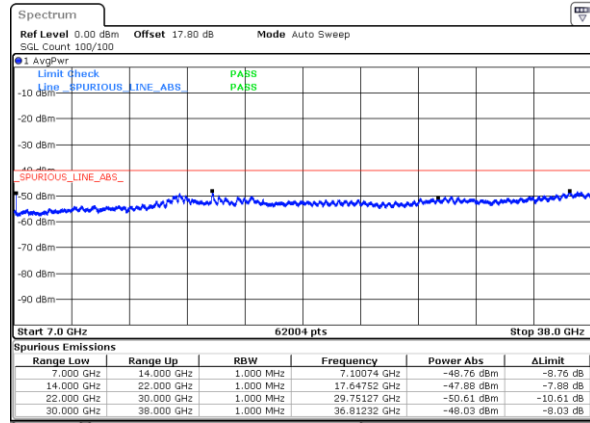
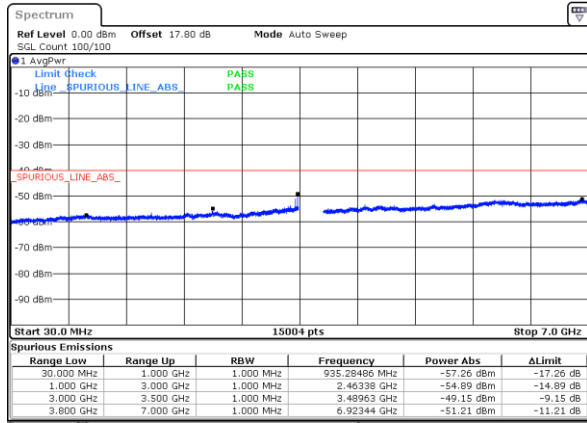
Date: 15.FEB.2024 14:22:38



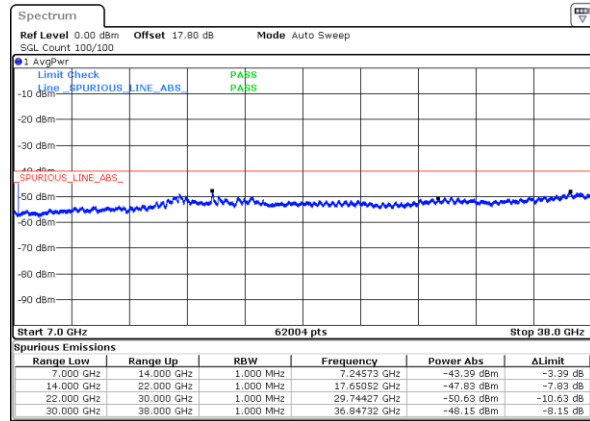
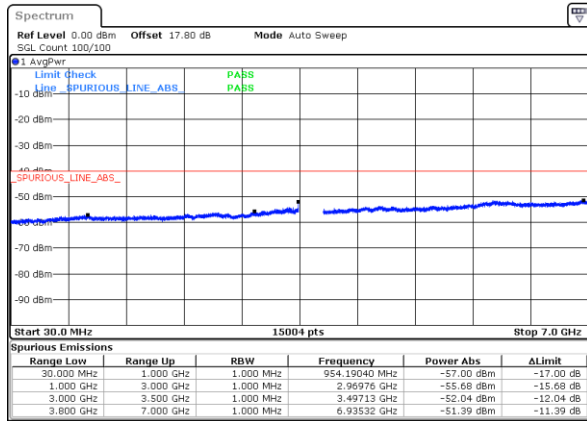
Conducted Spurious Emission

LTE Band 48 / 5MHz

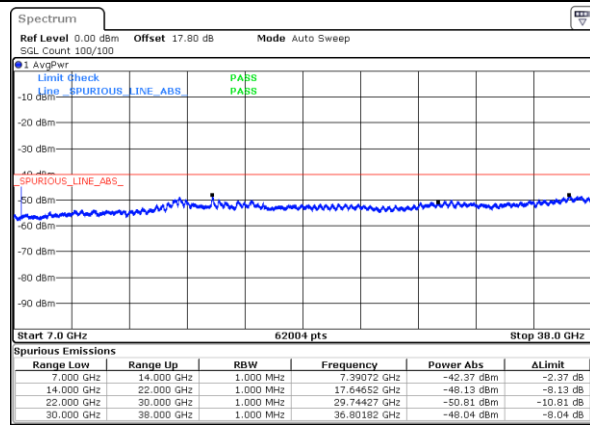
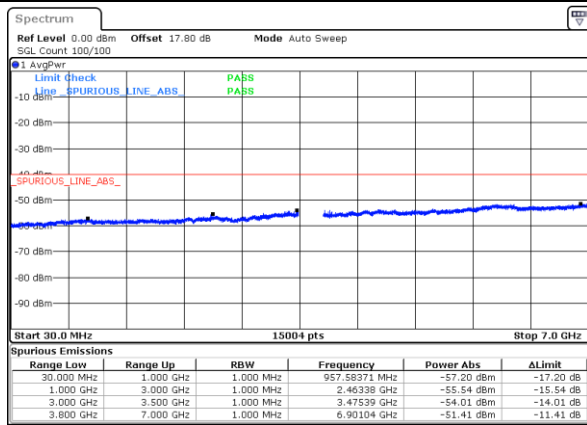
Lowest Channel / QPSK



Middle Channel / QPSK



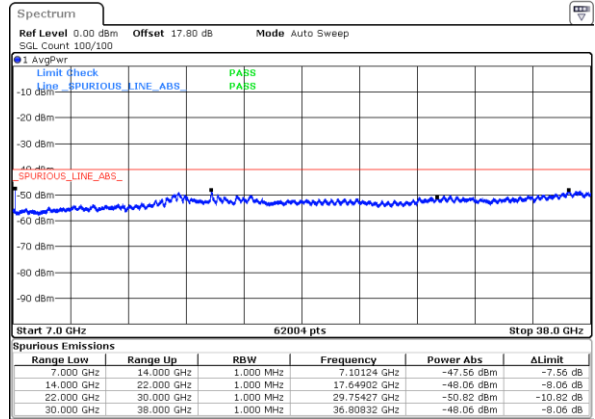
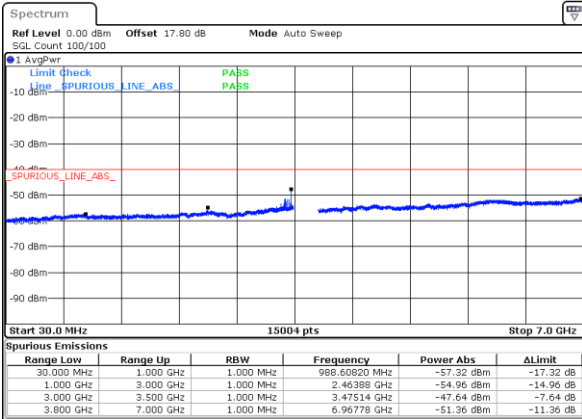
Highest Channel / QPSK



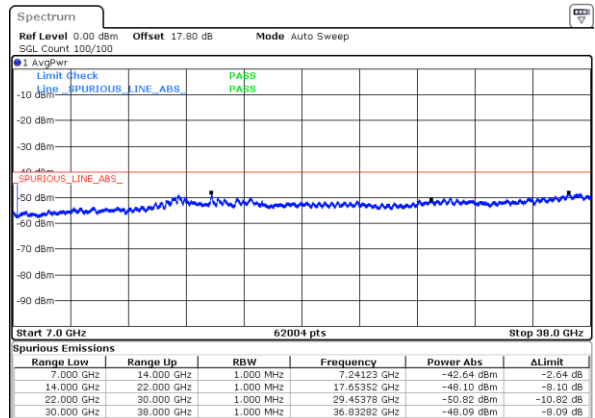
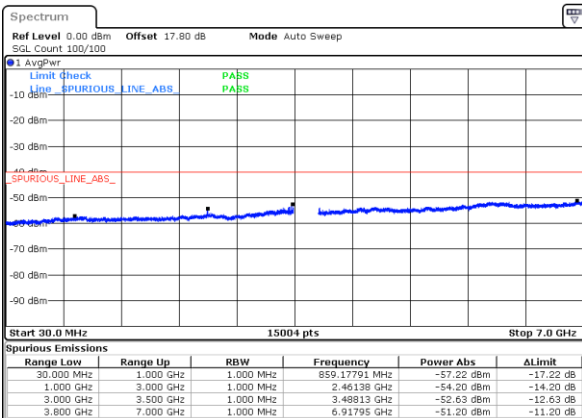


LTE Band 48 / 10MHz

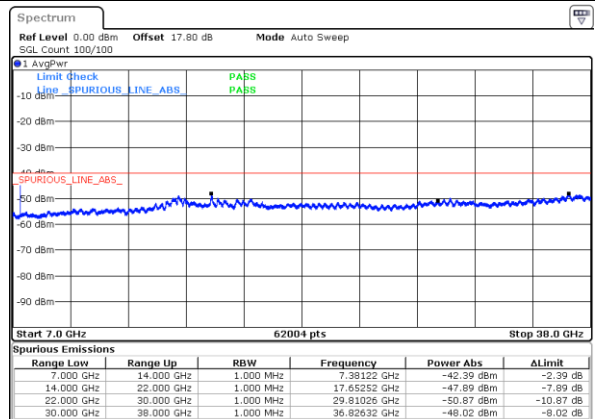
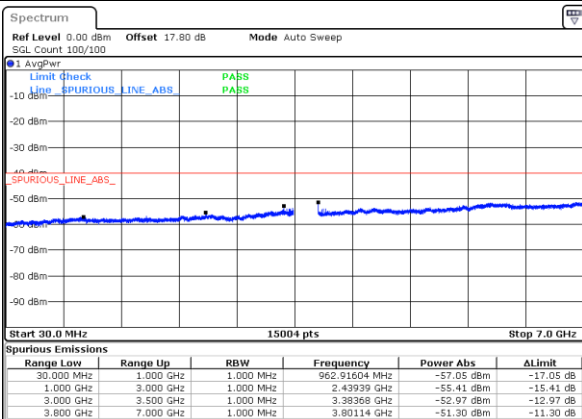
Lowest Channel / QPSK



Middle Channel / QPSK



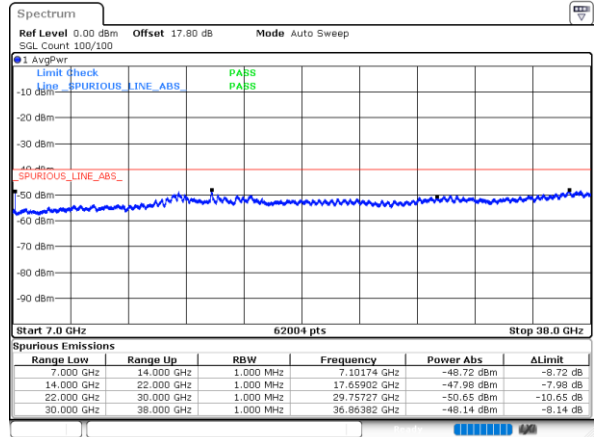
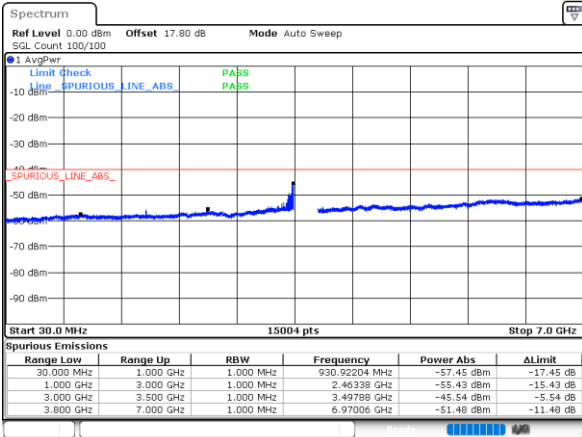
Highest Channel / QPSK



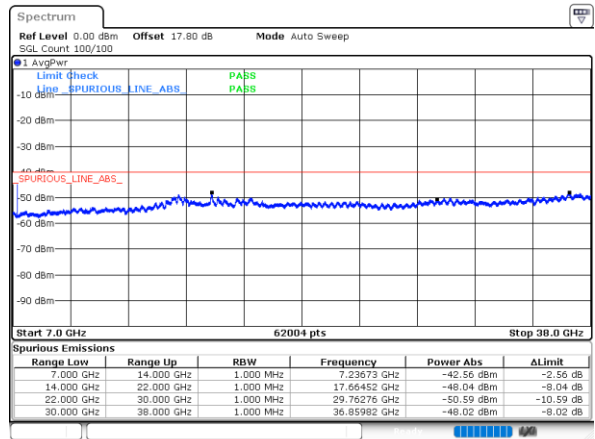
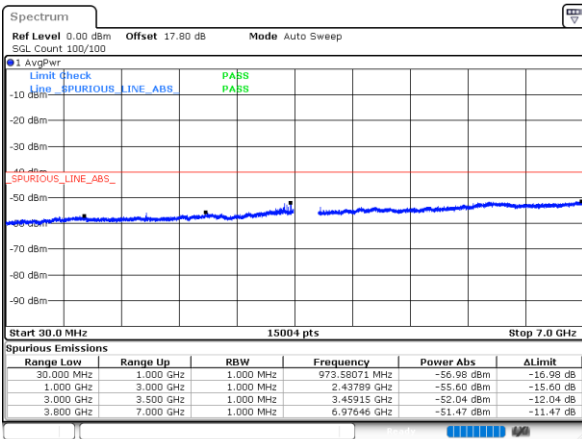


LTE Band 48 / 15MHz

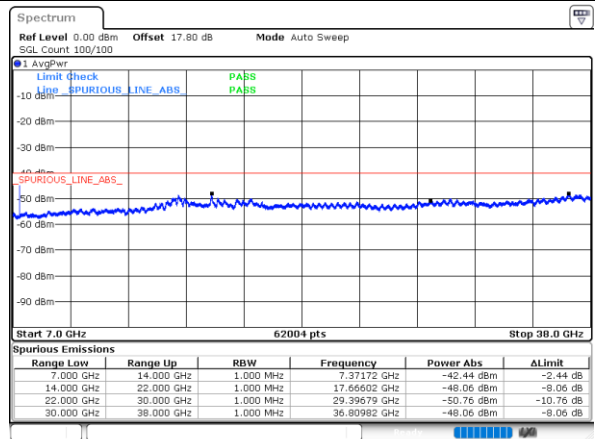
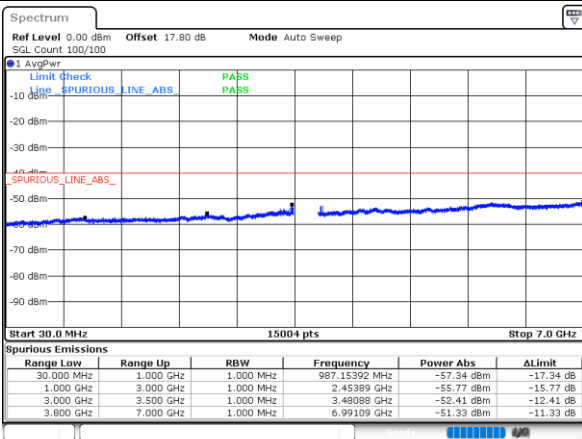
Lowest Channel / QPSK



Middle Channel / QPSK



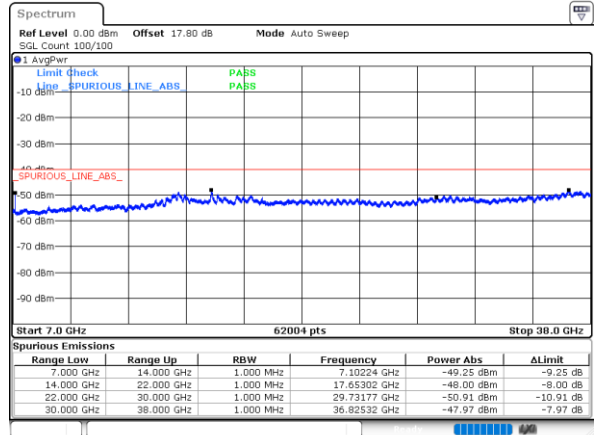
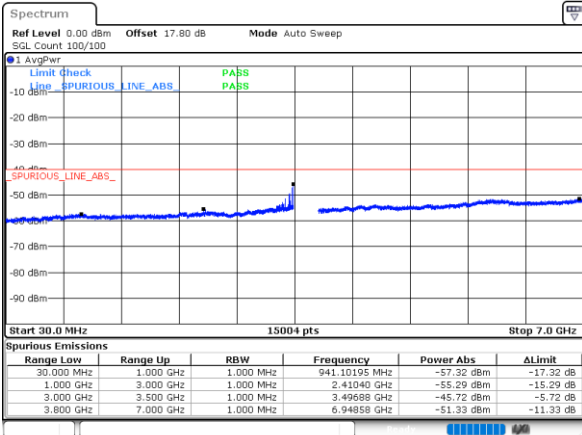
Highest Channel / QPSK



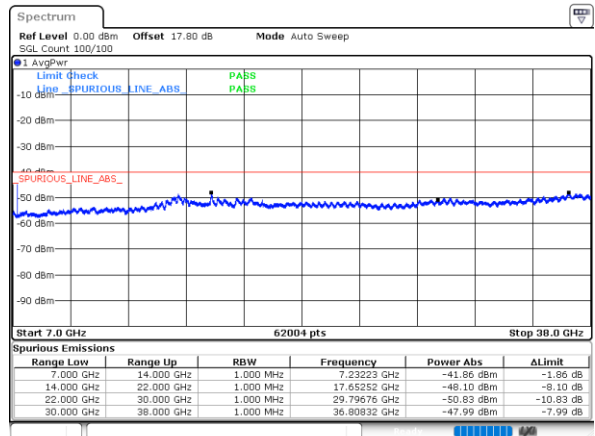
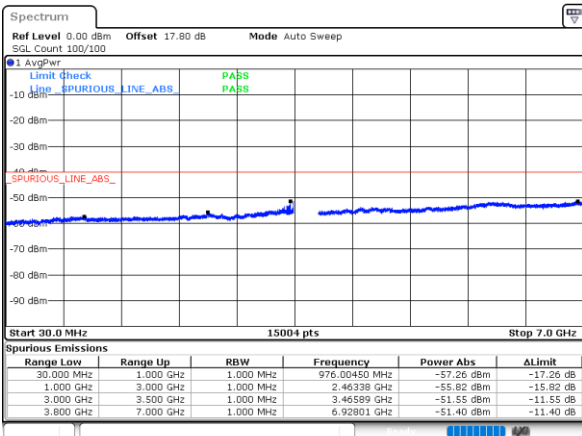


LTE Band 48 / 20MHz

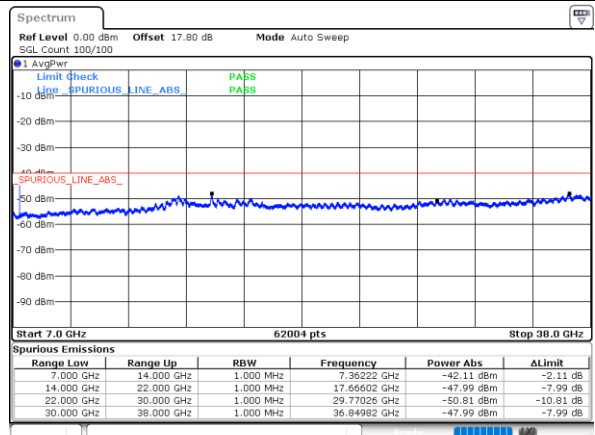
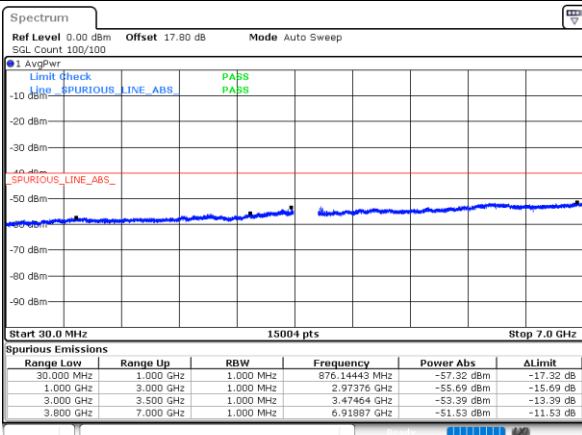
Lowest Channel / QPSK



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	0.0039	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0034	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0026	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage = 3.8 V. ; Battery End Point (ACLRP) = 3.6 V. ; Maximum Voltage = 4.2 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	25.02	29.96	35.10	25.17
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.21	34.89	39.88	-

Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.87	29.85	34.89	25.07
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.08	35.10	39.88	-

Mode	LTE Band 48C : 26dB BW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.87	29.91	34.61	25.17
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	35.03	39.88	-

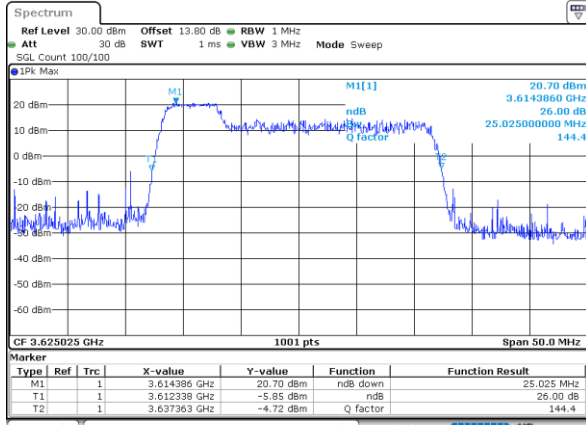
Mode	LTE Band 48C : 26dB BW(MHz)			
256QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.82	29.91	34.89	25.07
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.14	35.03	39.88	-



LTE Band 48C

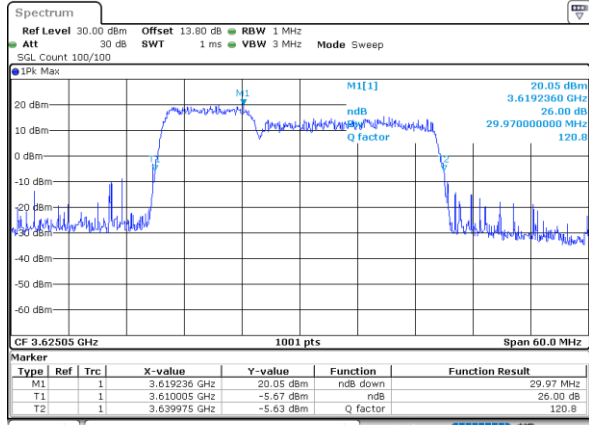
QPSK

Middle Channel / 5MHz+20MHz



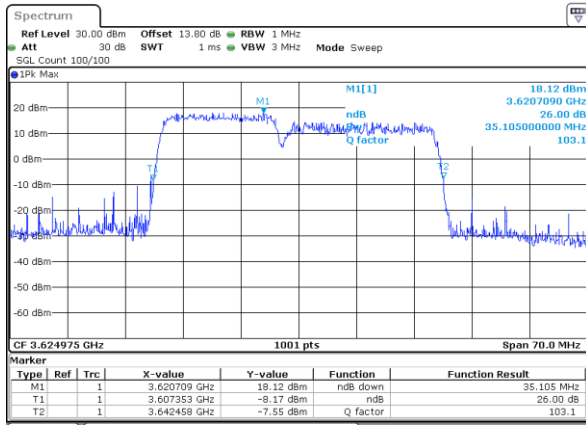
Date: 19,MAR,2024 23:47:07

Middle Channel / 10MHz+20MHz



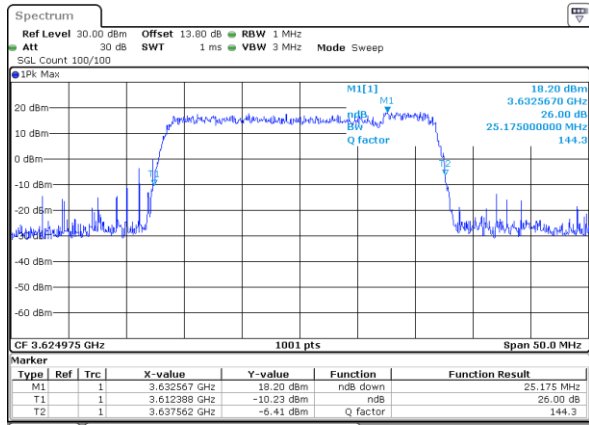
Date: 19,MAR,2024 23:54:42

Middle Channel / 15MHz+20MHz



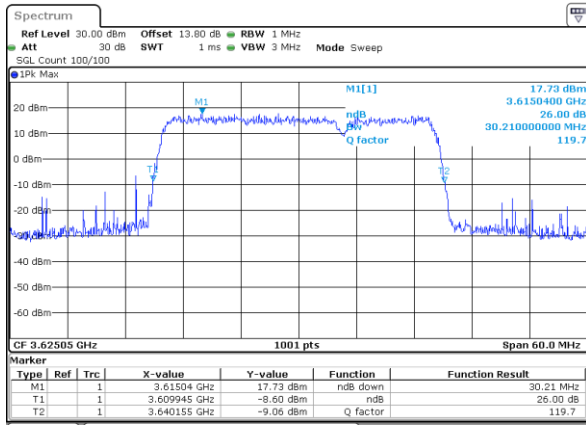
Date: 20,MAR,2024 00:23:31

Middle Channel / 20MHz+5MHz



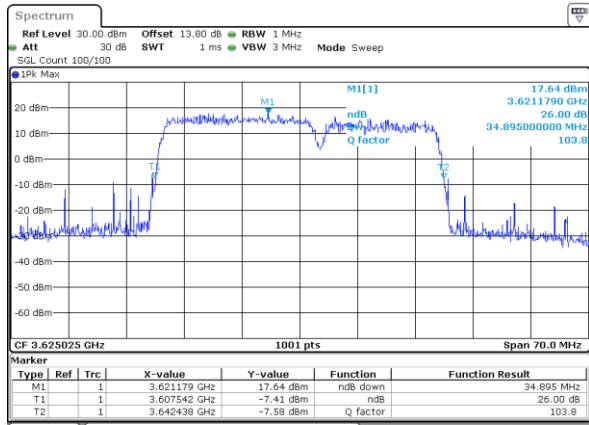
Date: 19,MAR,2024 23:50:40

Middle Channel / 20MHz+10MHz



Date: 20,MAR,2024 00:19:49

Middle Channel / 20MHz+15MHz



Date: 20,MAR,2024 00:12:02

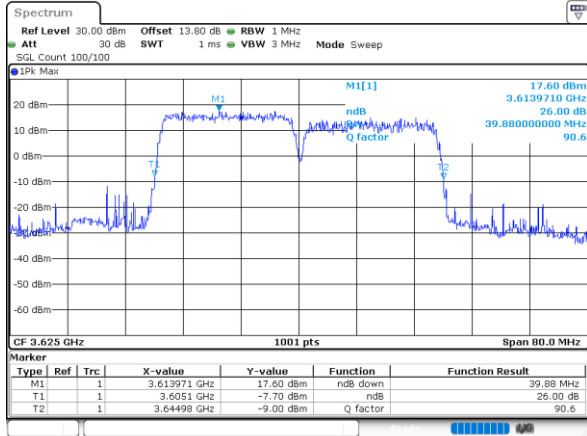


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A



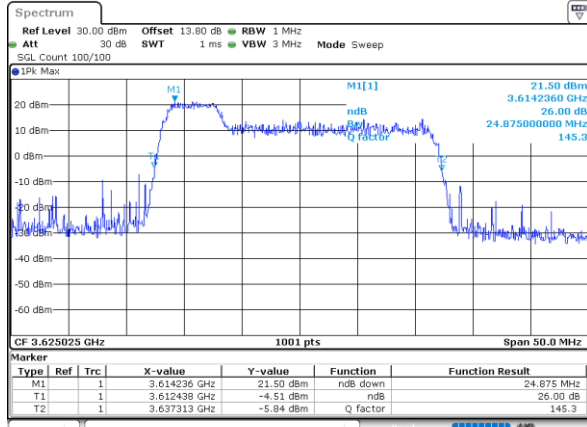
Date: 20_MAR_2024 00:30:57



LTE Band 48C

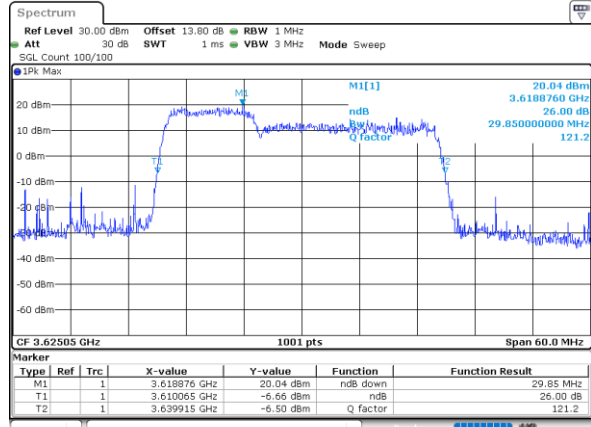
16QAM

Middle Channel / 5MHz+20MHz



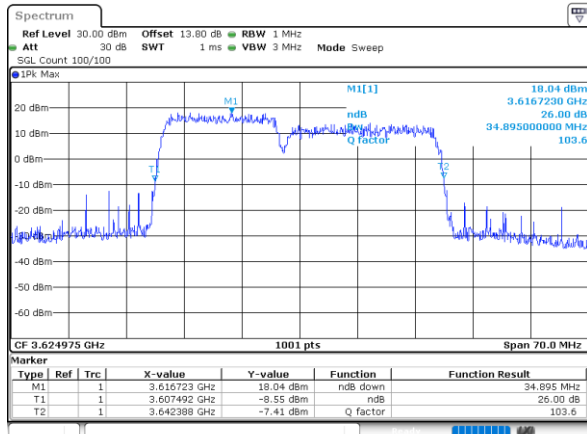
Date: 19,MAR,2024 23:46:42

Middle Channel / 10MHz+20MHz



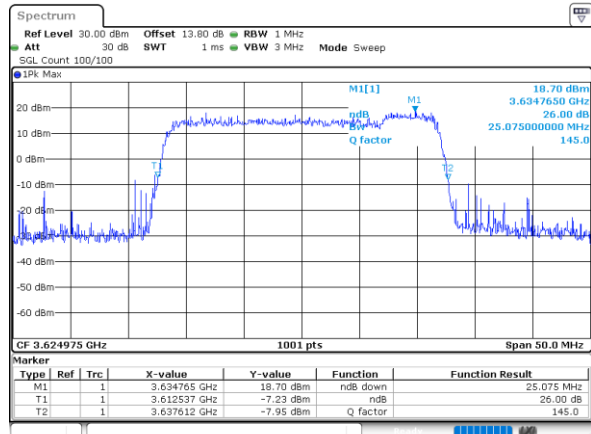
Date: 19,MAR,2024 23:54:16

Middle Channel / 15MHz+20MHz



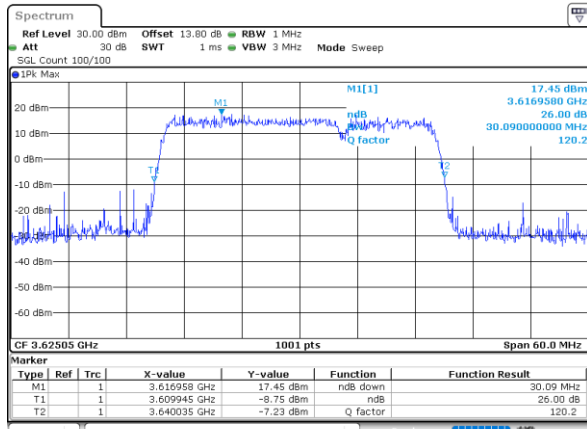
Date: 20,MAR,2024 00:23:05

Middle Channel / 20MHz+5MHz



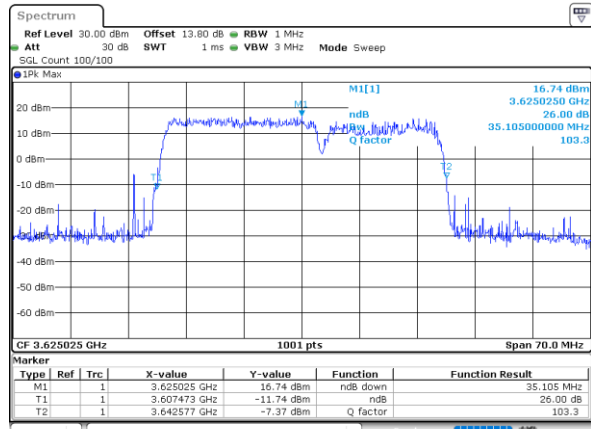
Date: 19,MAR,2024 23:50:15

Middle Channel / 20MHz+10MHz



Date: 20,MAR,2024 00:19:24

Middle Channel / 20MHz+15MHz



Date: 20,MAR,2024 00:26:37

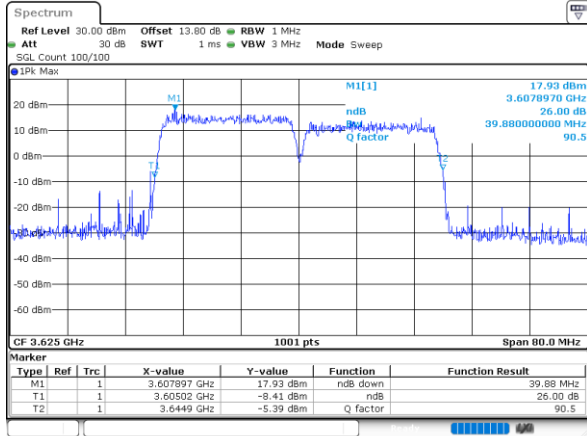


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A



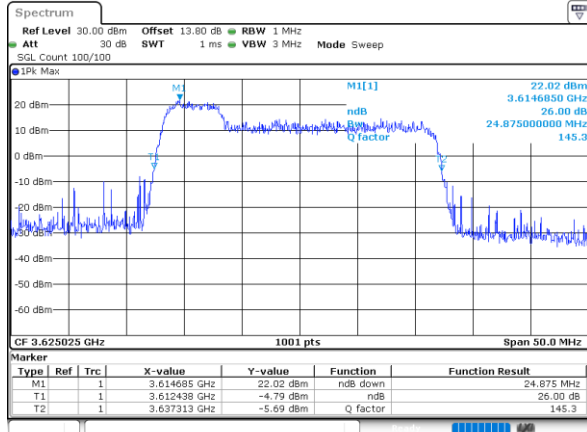
Date: 20_MAR_2024 00:30:06



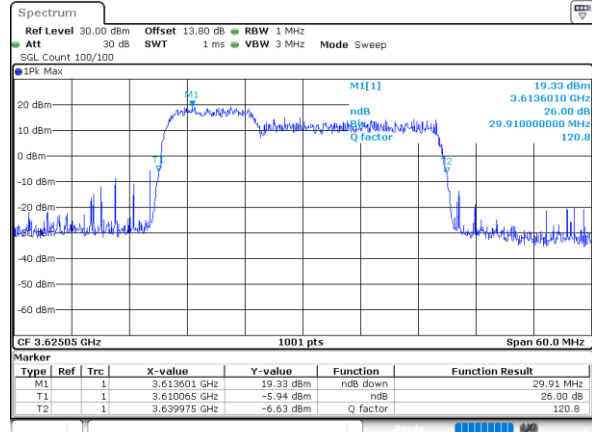
LTE Band 48C

64QAM

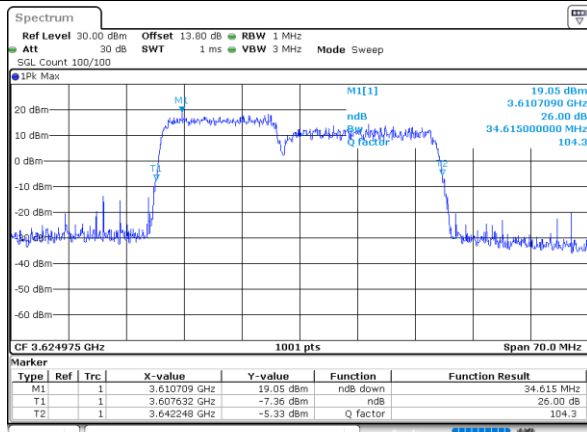
Middle Channel / 5MHz+20MHz



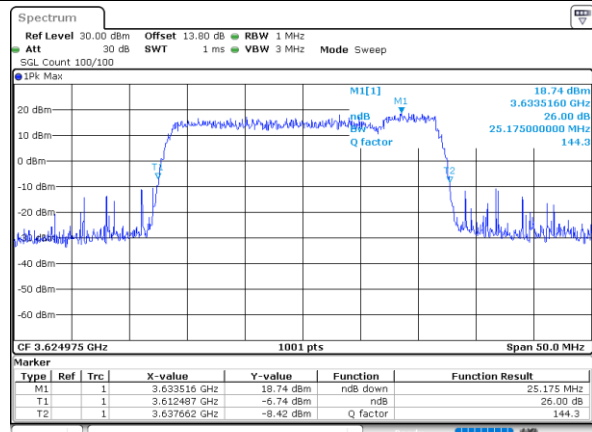
Middle Channel / 10MHz+20MHz



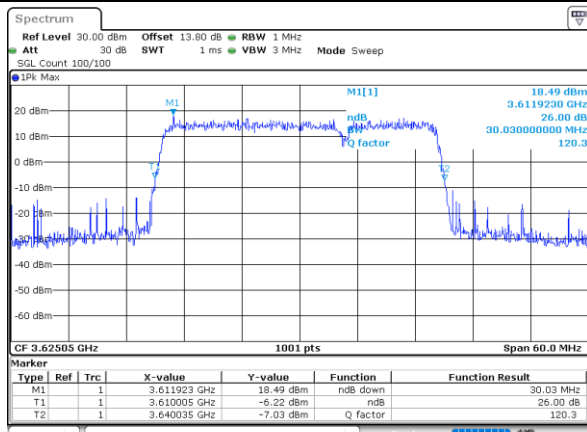
Middle Channel / 15MHz+20MHz



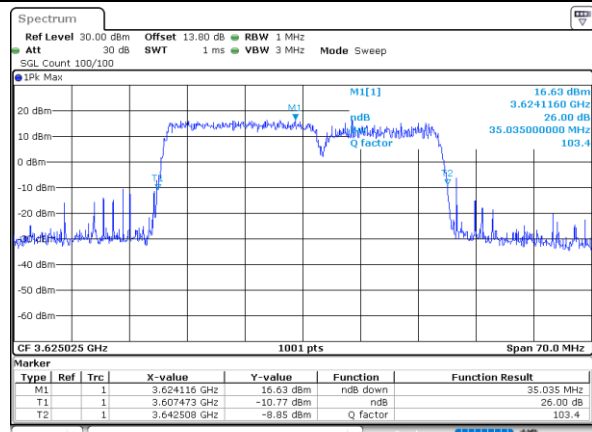
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



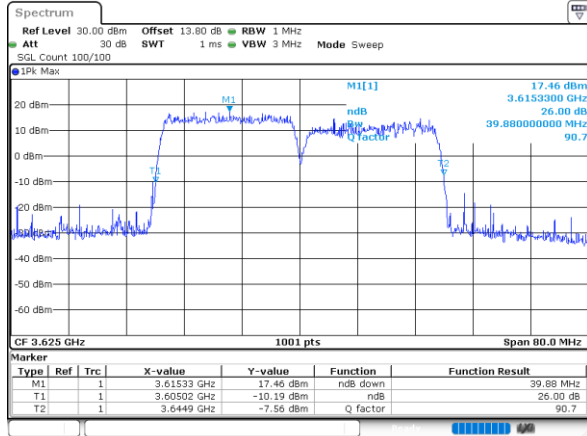


LTE Band 48C

64QAM

Middle Channel / 20MHz+20MHz

N/A



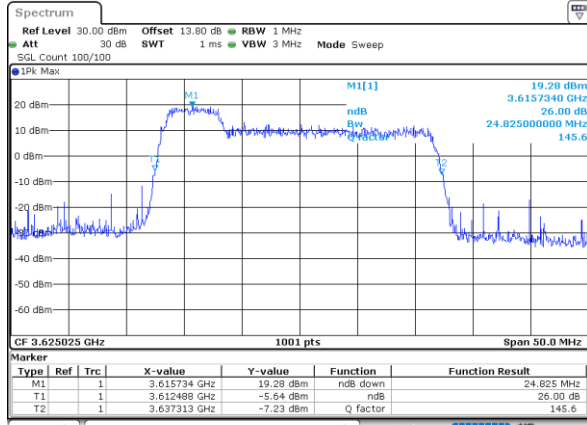
Date: 20_MAR.,2024 00:29:40



LTE Band 48C

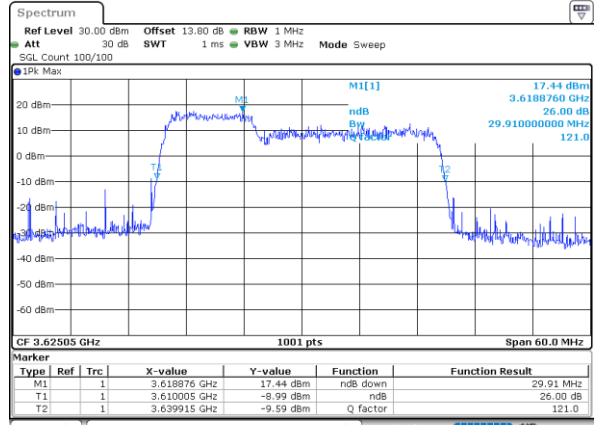
256QAM

Middle Channel / 5MHz+20MHz



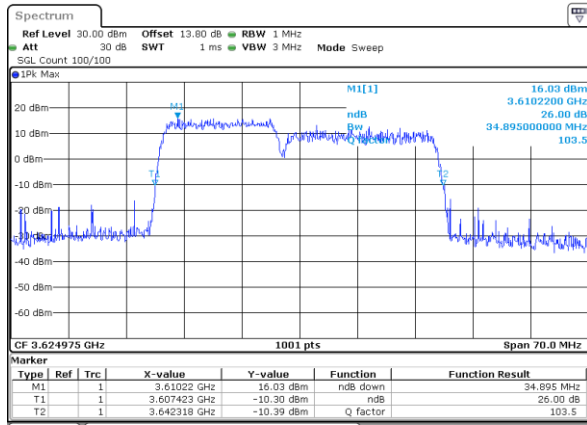
Date: 19,MAR,2024 23:47:33

Middle Channel / 10MHz+20MHz



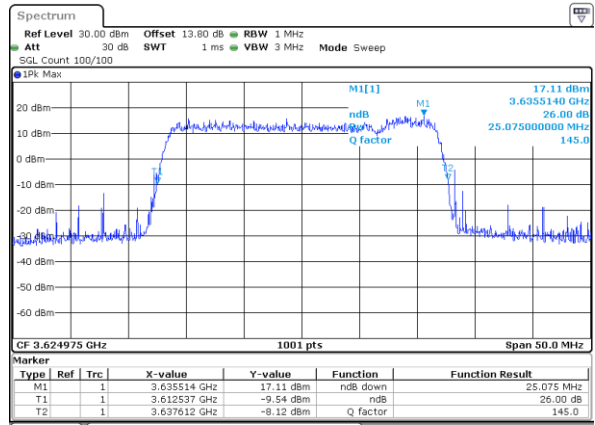
Date: 19,MAR,2024 23:55:07

Middle Channel / 15MHz+20MHz



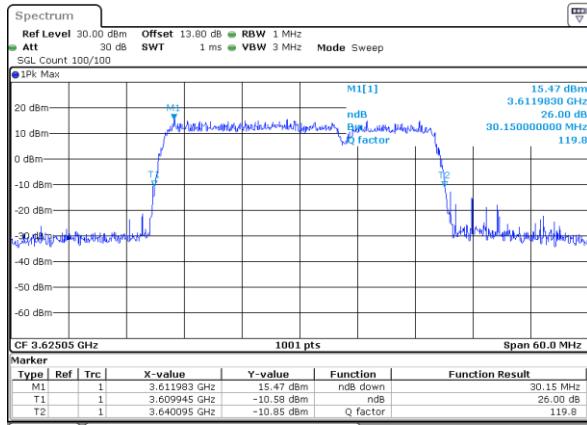
Date: 20,MAR,2024 00:23:56

Middle Channel / 20MHz+5MHz



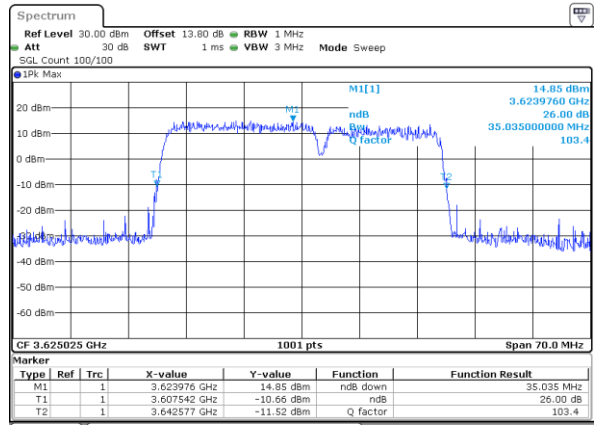
Date: 19,MAR,2024 23:51:06

Middle Channel / 20MHz+10MHz



Date: 20,MAR,2024 00:20:15

Middle Channel / 20MHz+15MHz



Date: 20,MAR,2024 00:27:28

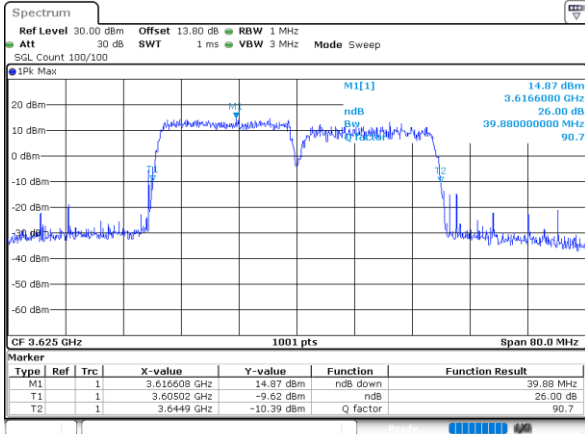


LTE Band 48C

256QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 20_MAR_2024 00:30:31

Occupied Bandwidth

Mode	LTE Band 48C : 99%OBW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.32	27.99	32.79	23.27
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.11	32.93	37.72	-

Mode	LTE Band 48C : 99%OBW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.12	28.05	32.79	23.22
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.86	37.64	-

Mode	LTE Band 48C : 99%OBW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.22	28.05	32.86	23.12
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.79	37.64	-

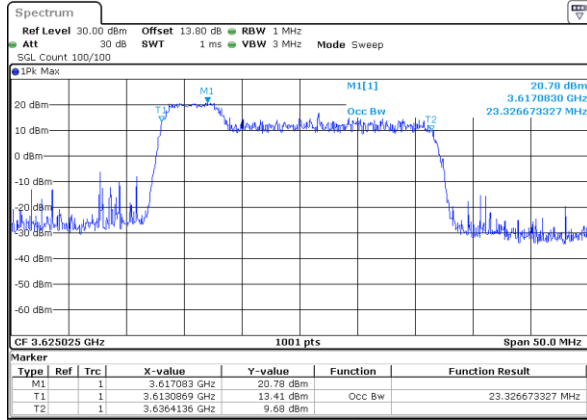
Mode	LTE Band 48C : 99%OBW(MHz)			
256QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.22	27.93	32.86	23.22
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.79	37.72	-



LTE Band 48C

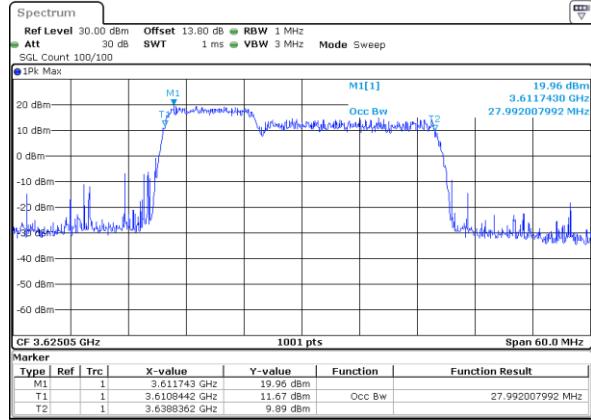
QPSK

Middle Channel / 5MHz+20MHz



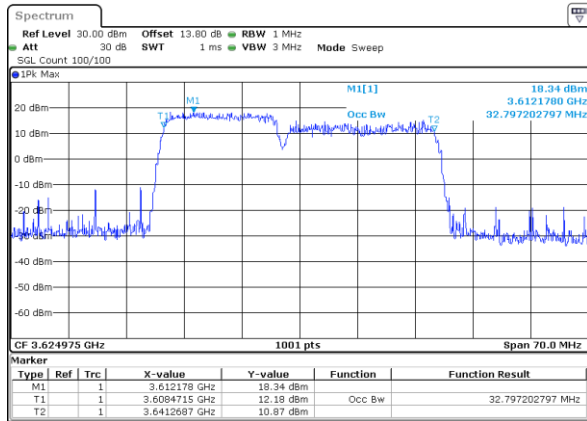
Date: 19.MAR.2024 23:44:34

Middle Channel / 10MHz+20MHz



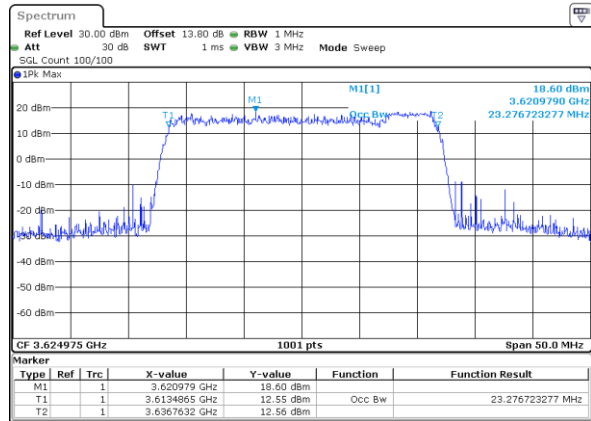
Date: 19.MAR.2024 23:52:08

Middle Channel / 15MHz+20MHz



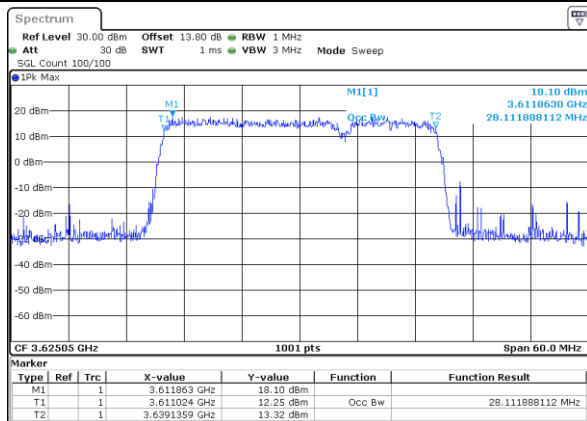
Date: 20.MAR.2024 00:20:58

Middle Channel / 20MHz+5MHz



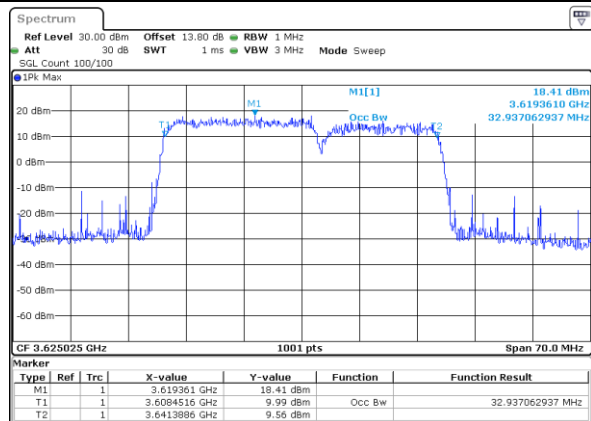
Date: 19.MAR.2024 23:48:07

Middle Channel / 20MHz+10MHz



Date: 20.MAR.2024 00:17:16

Middle Channel / 20MHz+15MHz



Date: 20.MAR.2024 00:24:30

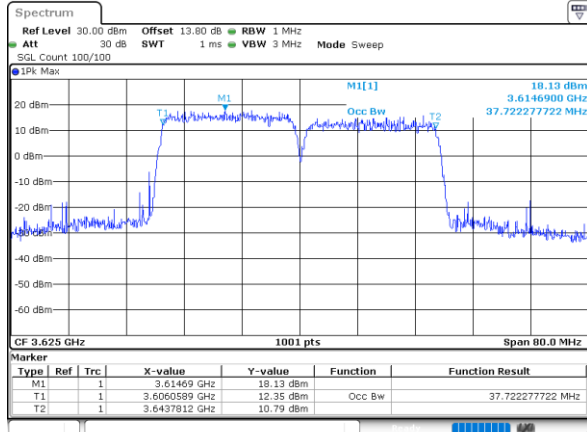


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A



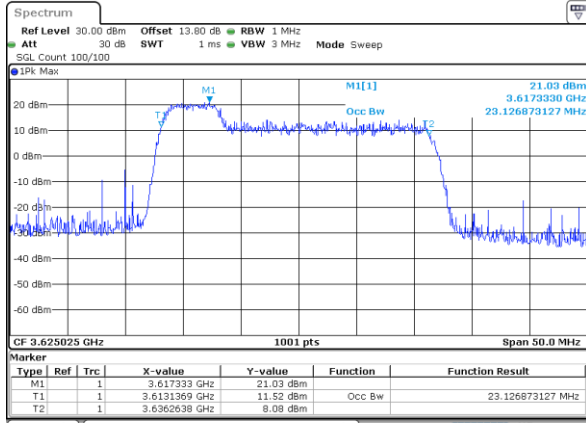
Date: 20_MAR., 2024 00:27:58



LTE Band 48C

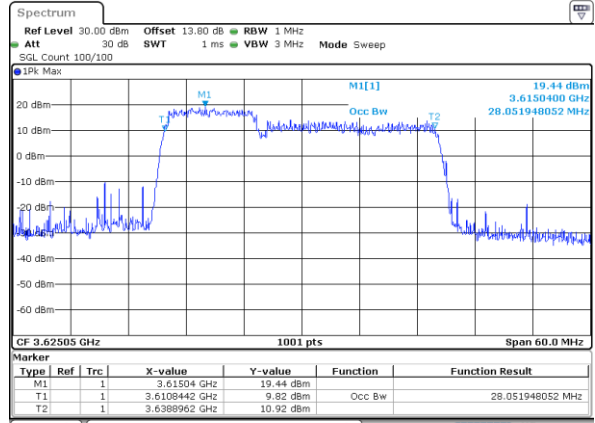
16QAM

Middle Channel / 5MHz+20MHz



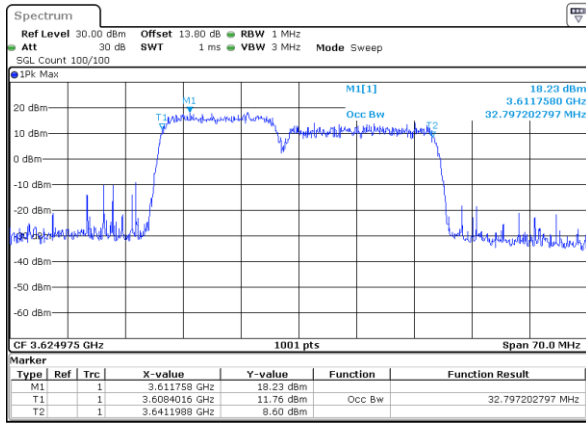
Date: 19,MAR,2024 23:45:00

Middle Channel / 10MHz+20MHz



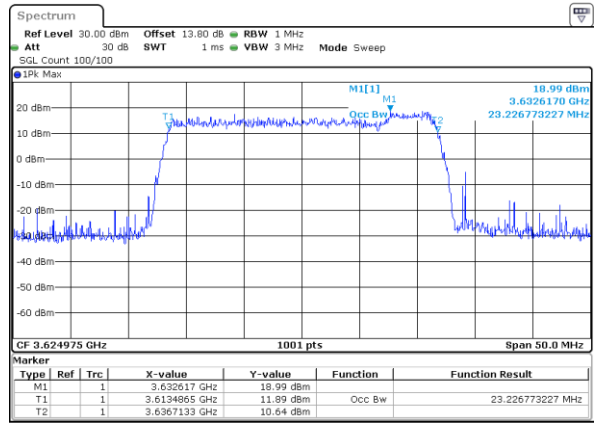
Date: 19,MAR,2024 23:52:33

Middle Channel / 15MHz+20MHz



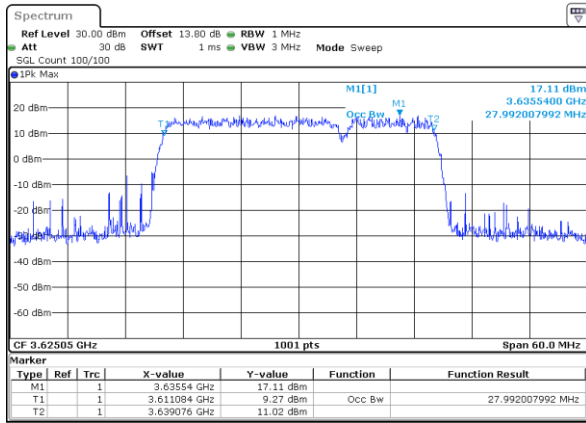
Date: 20,MAR,2024 00:21:23

Middle Channel / 20MHz+5MHz



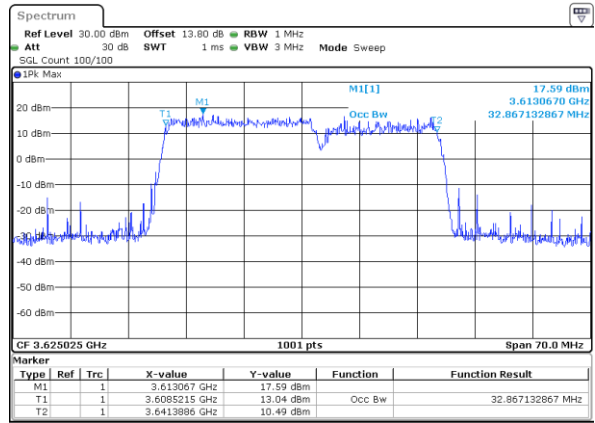
Date: 19,MAR,2024 23:48:32

Middle Channel / 20MHz+10MHz



Date: 20,MAR,2024 00:17:42

Middle Channel / 20MHz+15MHz



Date: 20,MAR,2024 00:24:55

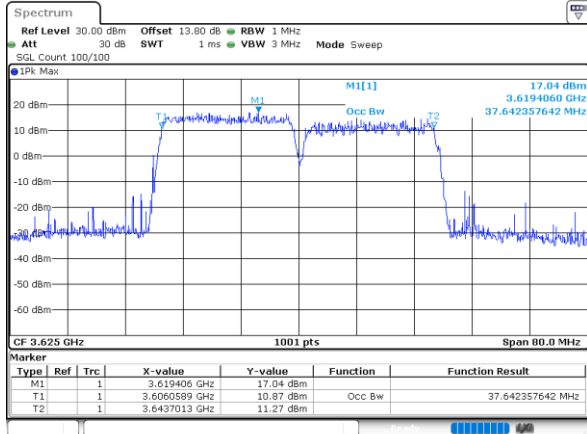


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A



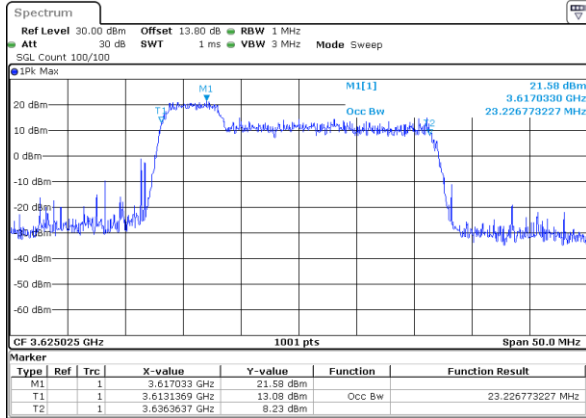
Date: 20_MAR., 2024 00:28:24



LTE Band 48C

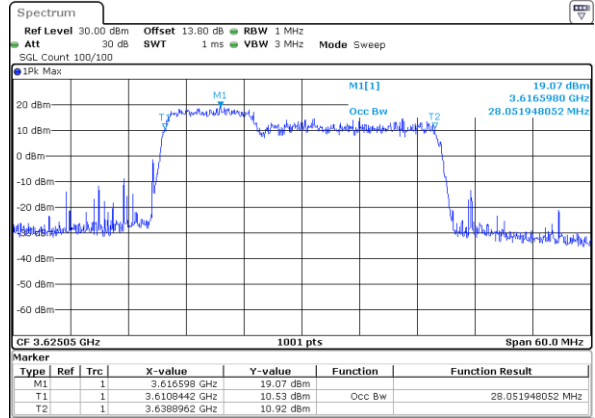
64QAM

Middle Channel / 5MHz+20MHz



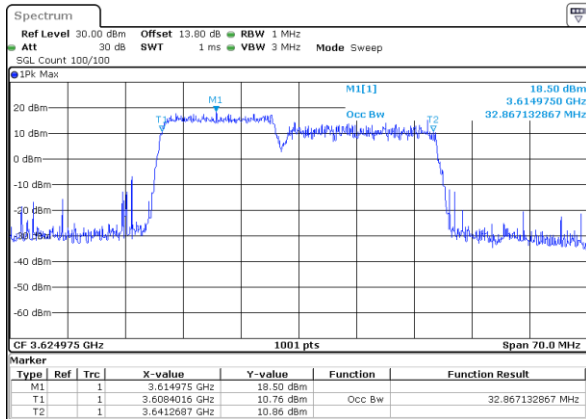
Date: 19.MAR.2024 23:45:25

Middle Channel / 10MHz+20MHz



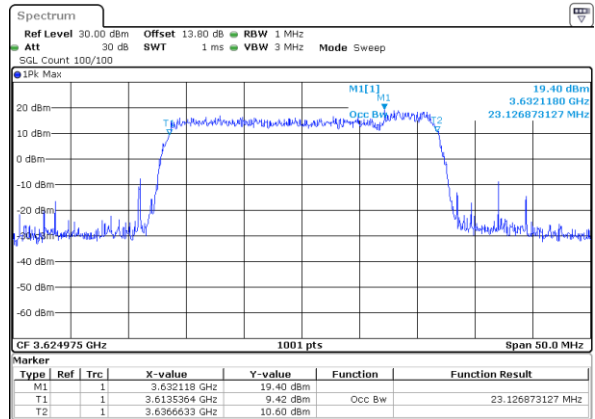
Date: 19.MAR.2024 23:52:59

Middle Channel / 15MHz+20MHz



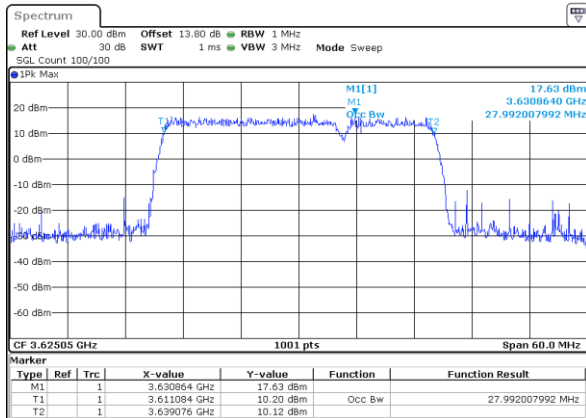
Date: 20.MAR.2024 00:21:49

Middle Channel / 20MHz+5MHz



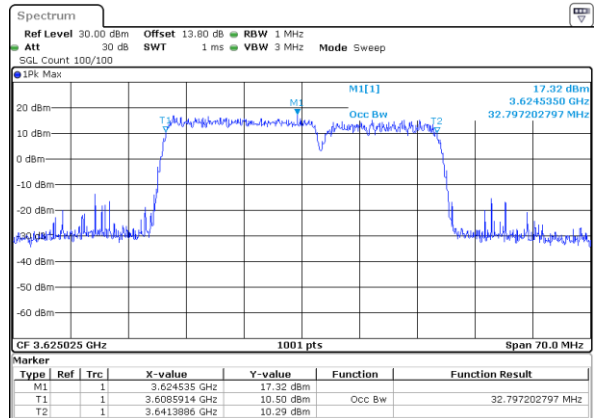
Date: 19.MAR.2024 23:48:58

Middle Channel / 20MHz+10MHz



Date: 20.MAR.2024 00:18:07

Middle Channel / 20MHz+15MHz



Date: 20.MAR.2024 00:25:21

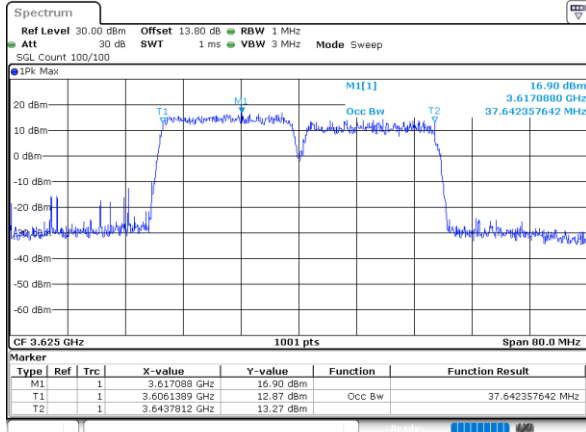


LTE Band 48C

64QAM

Middle Channel / 20MHz+20MHz

N/A



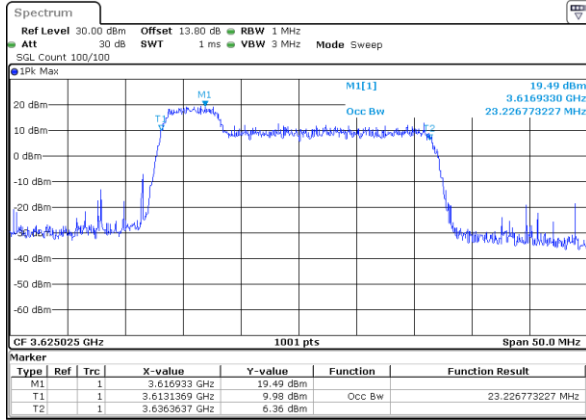
Date: 20_MAR., 2024 00:28:49



LTE Band 48C

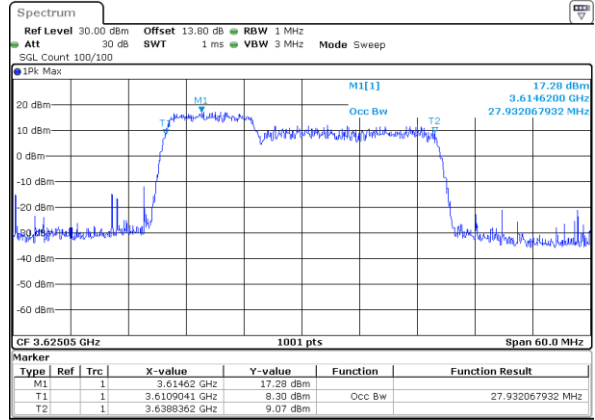
256QAM

Middle Channel / 5MHz+20MHz



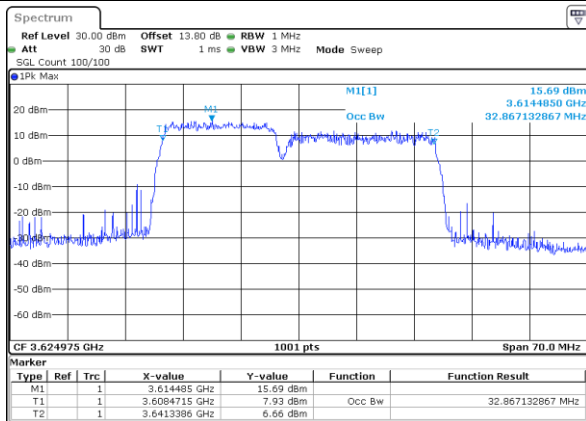
Date: 19,MAR,2024 23:45:15

Middle Channel / 10MHz+20MHz



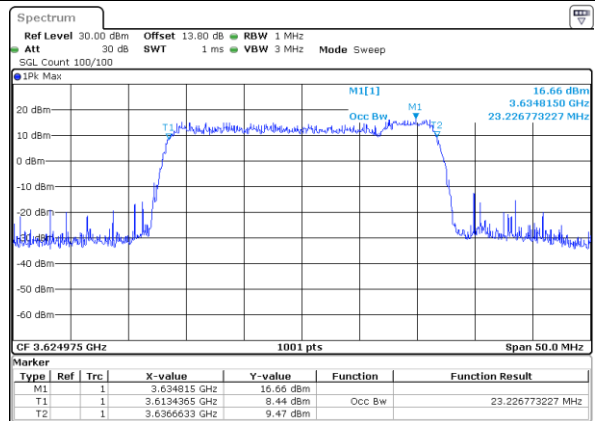
Date: 19,MAR,2024 23:53:25

Middle Channel / 15MHz+20MHz



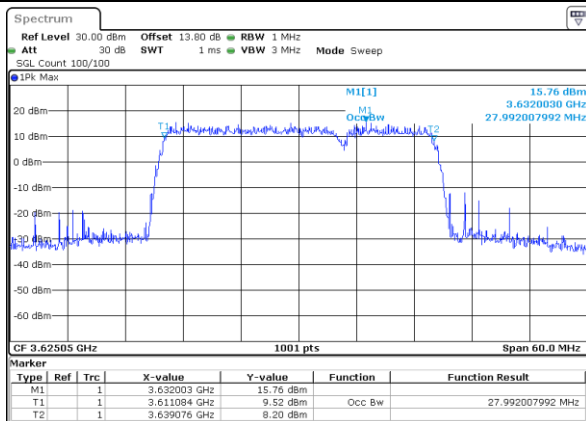
Date: 20,MAR,2024 00:22:14

Middle Channel / 20MHz+5MHz



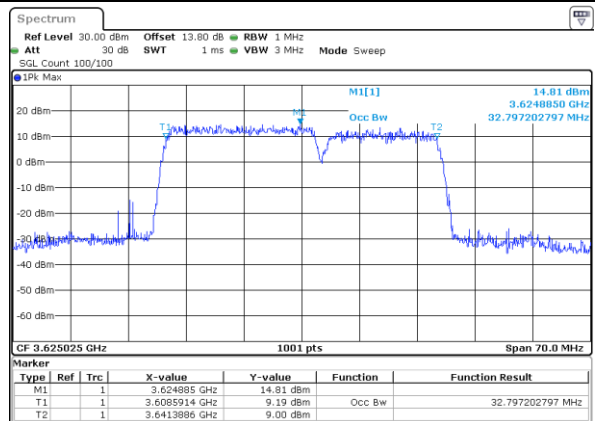
Date: 19,MAR,2024 23:49:24

Middle Channel / 20MHz+10MHz



Date: 20,MAR,2024 00:18:33

Middle Channel / 20MHz+15MHz



Date: 20,MAR,2024 00:25:46

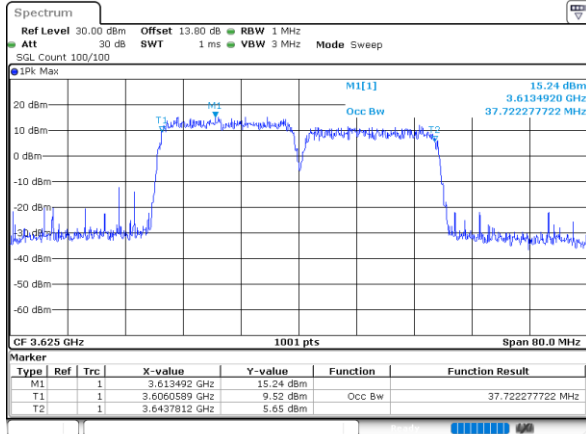


LTE Band 48C

256QAM

Middle Channel / 20MHz+20MHz

N/A





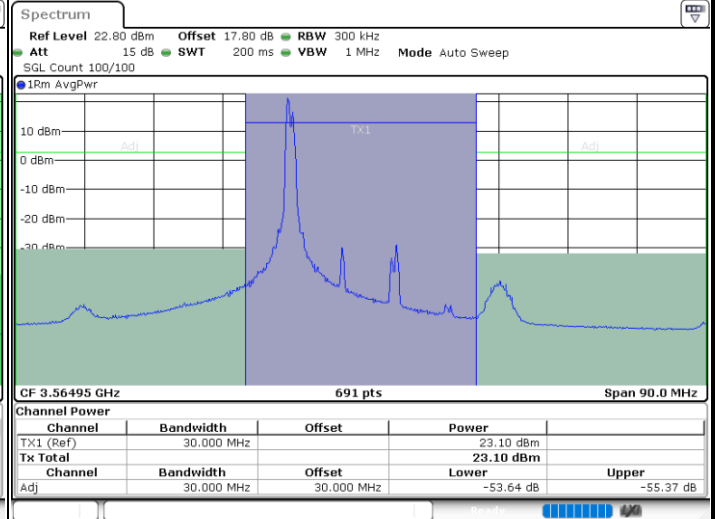
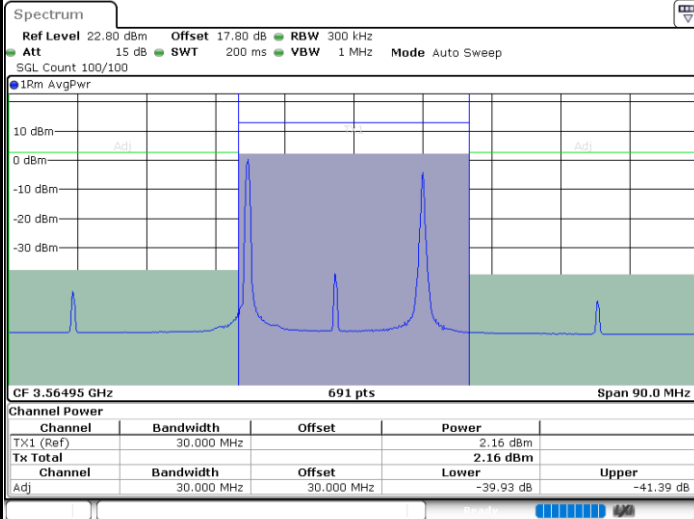
ACLR

LTE Band 48C / 5MHz+20MHz

QPSK

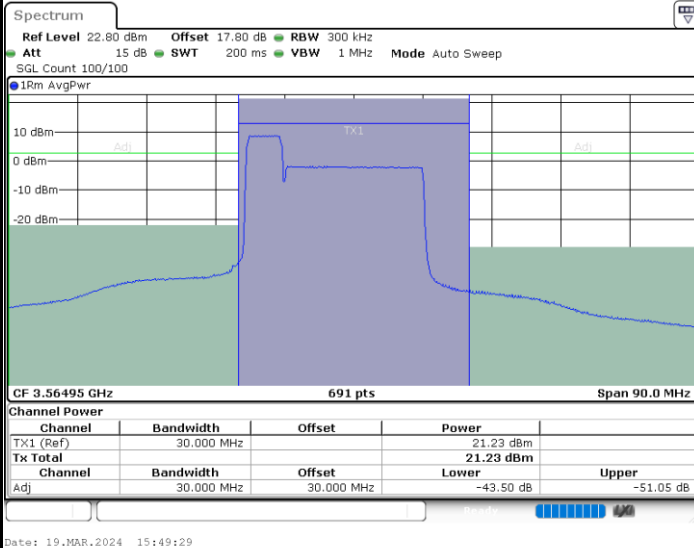
Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB24 and 1RB0



Lowest Channel / FullRB

N/A



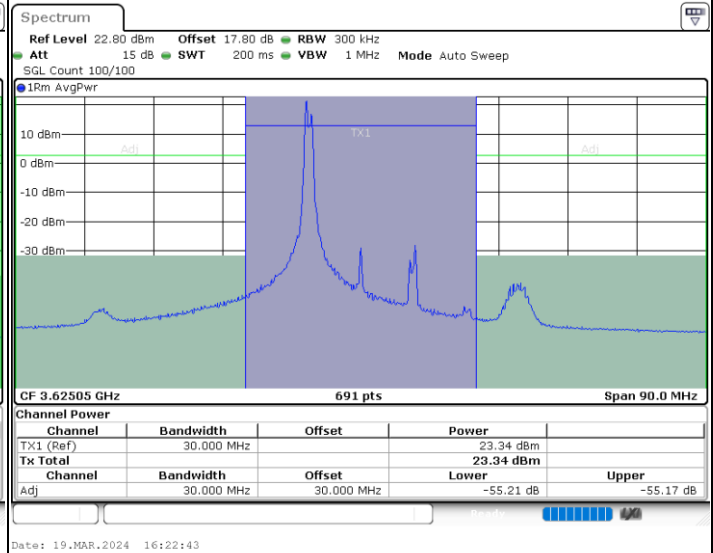
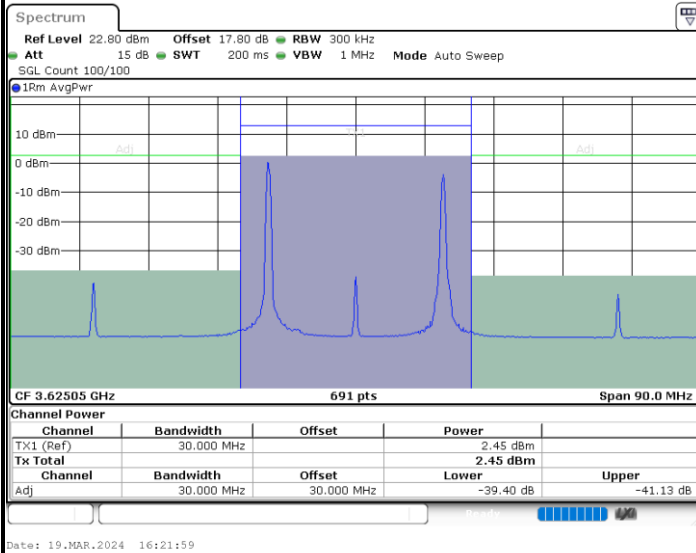


LTE Band 48C / 5MHz+20MHz

QPSK

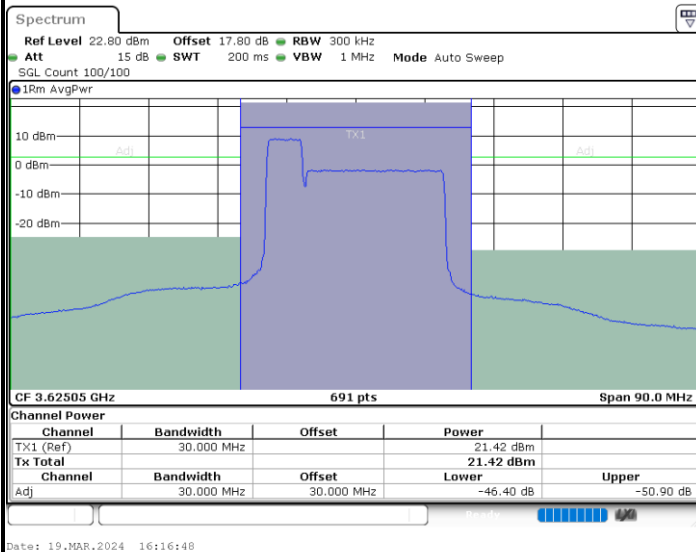
Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB24 and 1RB0



Middle Channel / FullRB

N/A



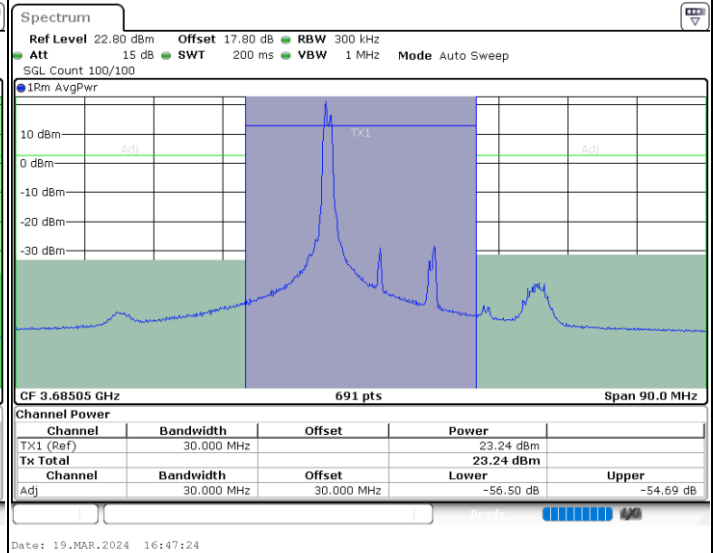
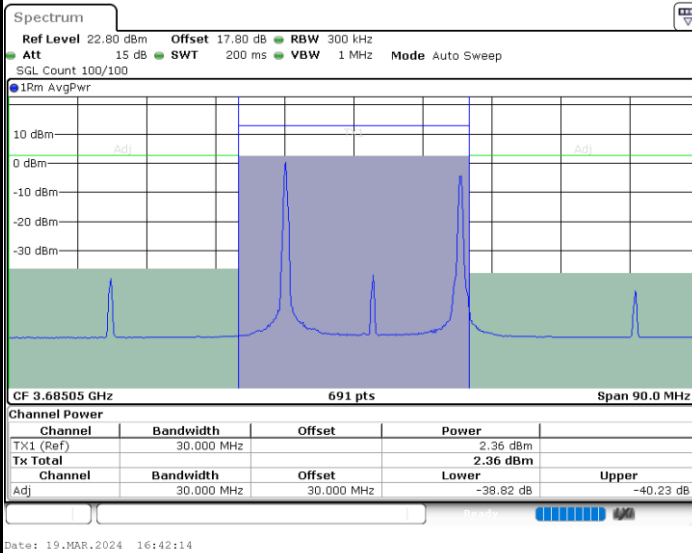


LTE Band 48C / 5MHz+20MHz

QPSK

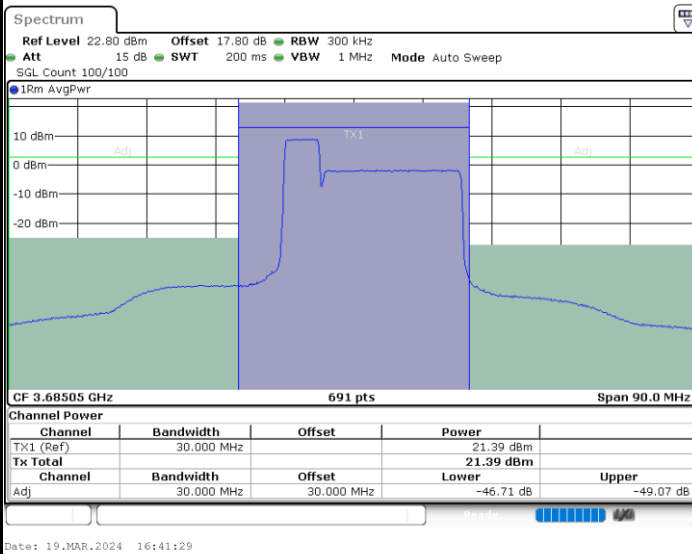
Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB24 and 1RB0



Highest Channel / FullRB

N/A



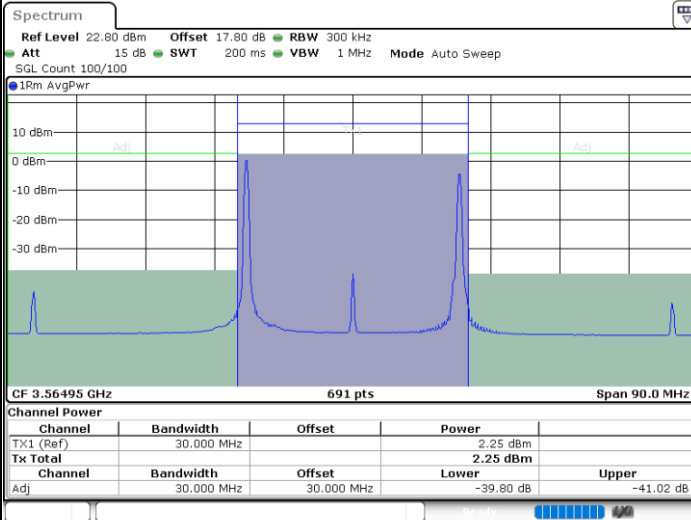


LTE Band 48C / 10MHz+20MHz

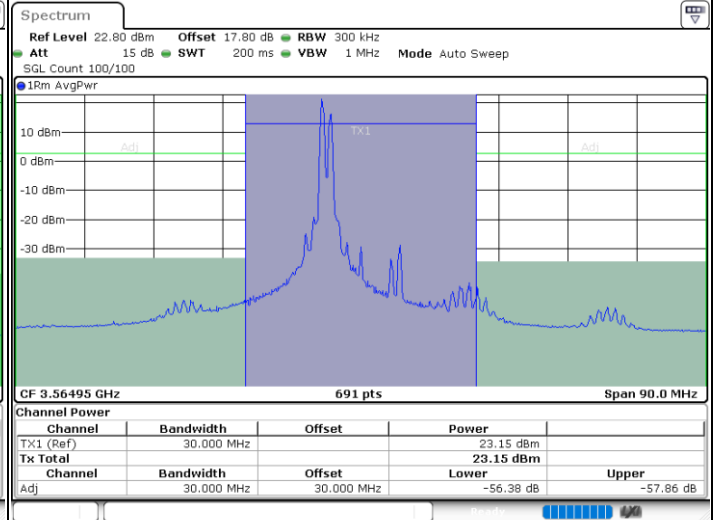
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0



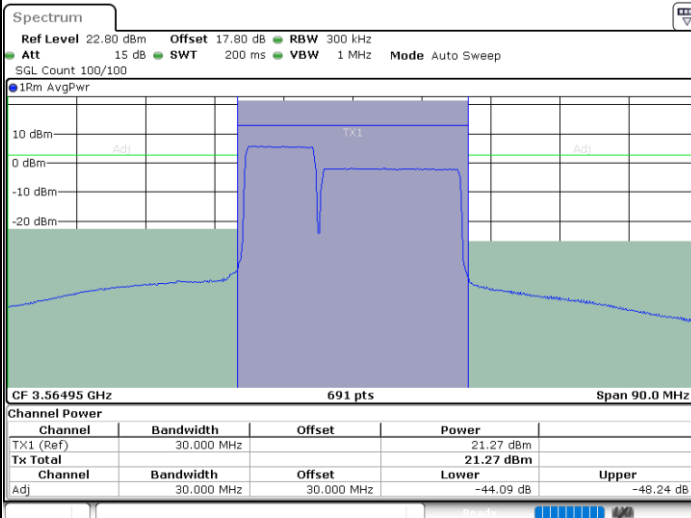
Date: 19.MAR.2024 18:21:45



Date: 19.MAR.2024 18:22:29

Lowest Channel / FullIRB

N/A



Date: 19.MAR.2024 18:16:34

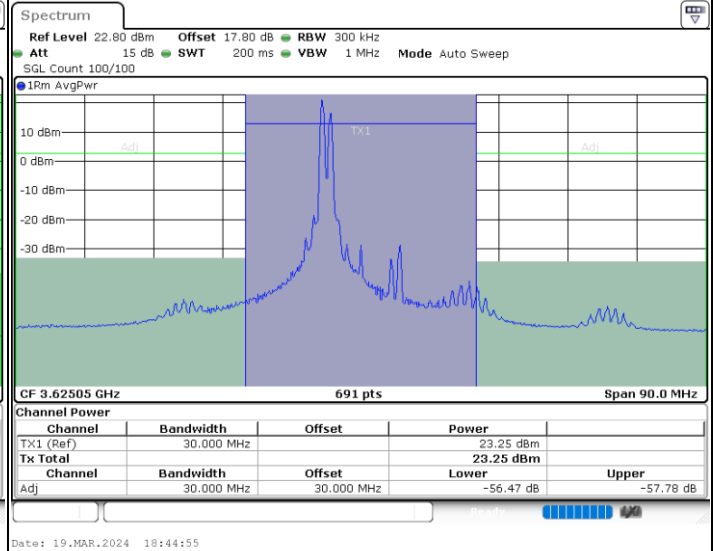
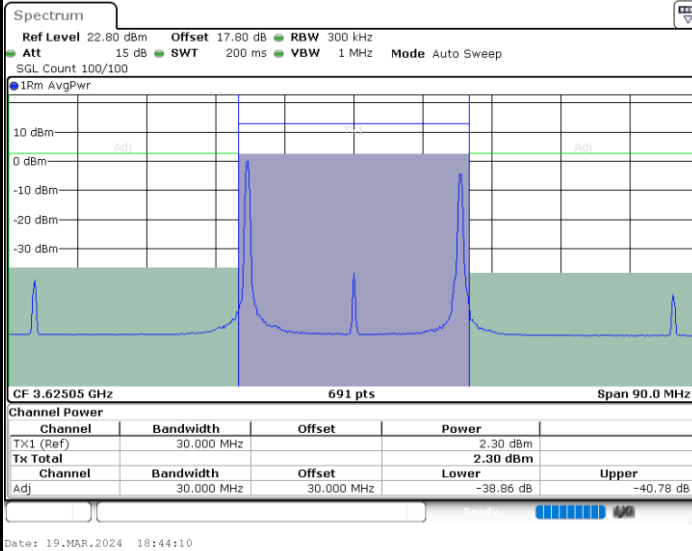


LTE Band 48C / 10MHz+20MHz

QPSK

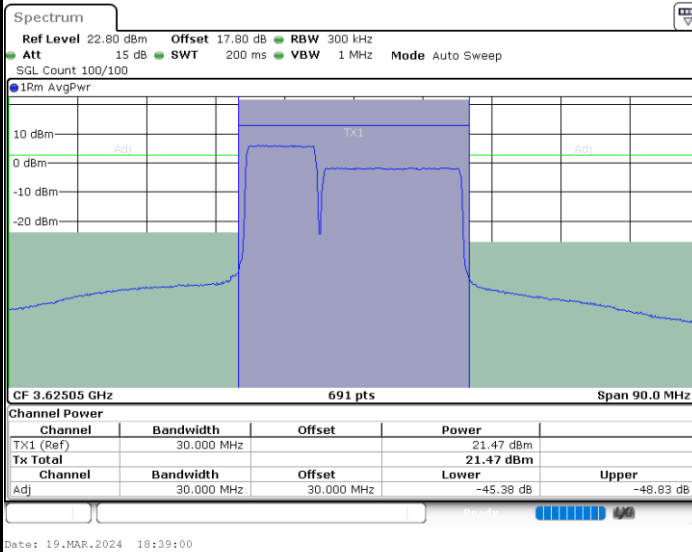
Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB49 and 1RB0



Middle Channel / FullRB

N/A



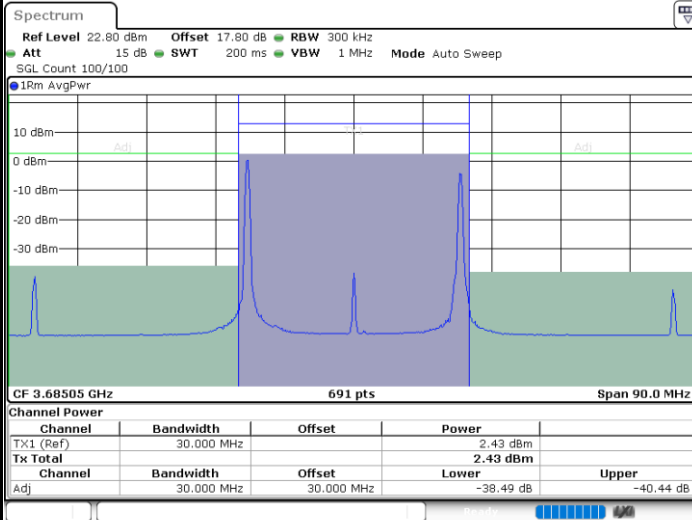


LTE Band 48C / 10MHz+20MHz

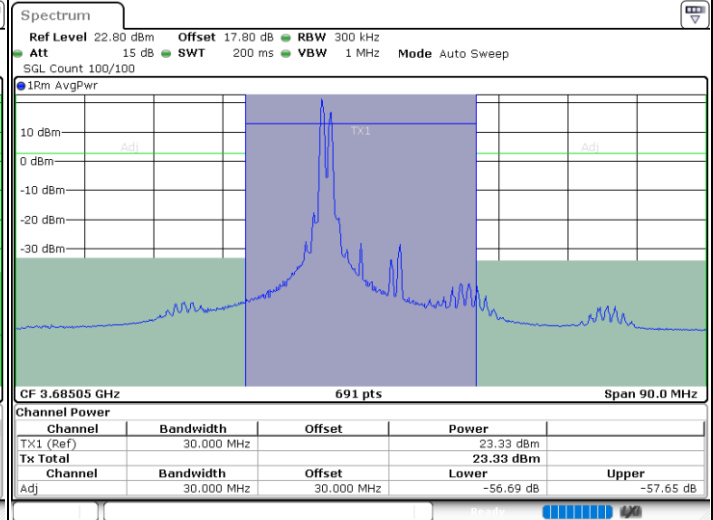
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB49 and 1RB0



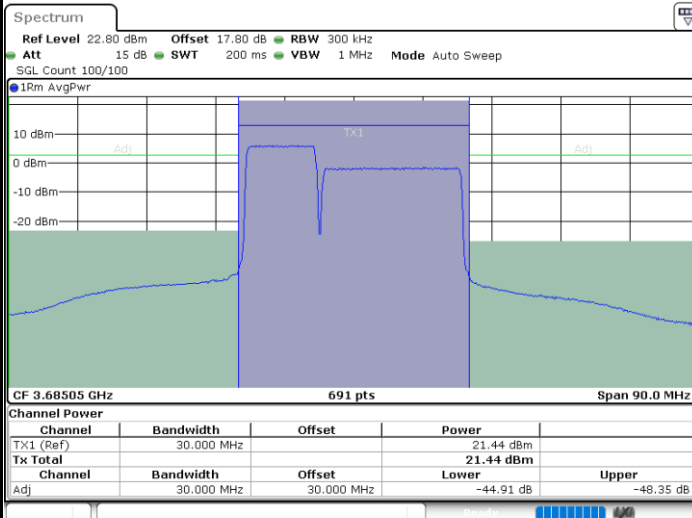
Date: 19.MAR.2024 19:04:25



Date: 19.MAR.2024 19:09:35

Highest Channel / FullIRB

N/A



Date: 19.MAR.2024 19:03:40

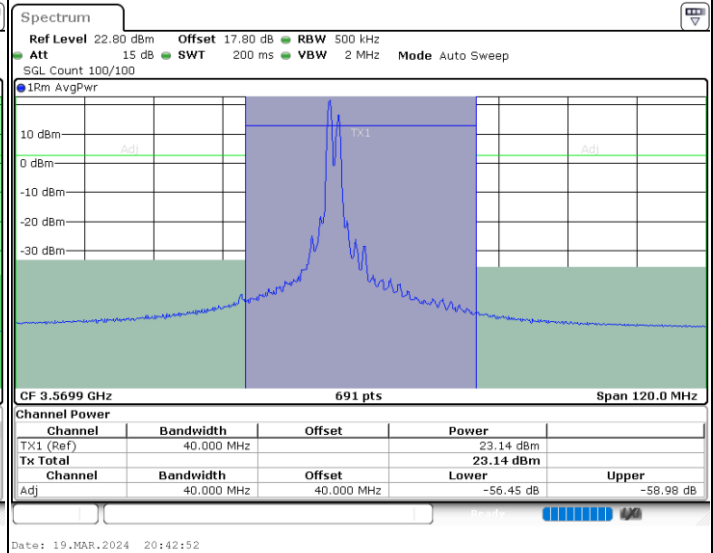
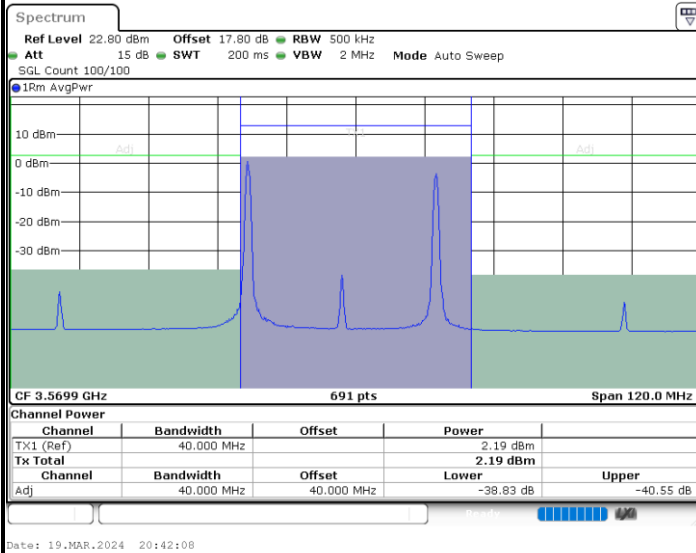


LTE Band 48C / 15MHz+20MHz

QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0



Lowest Channel / FullRB

N/A

