

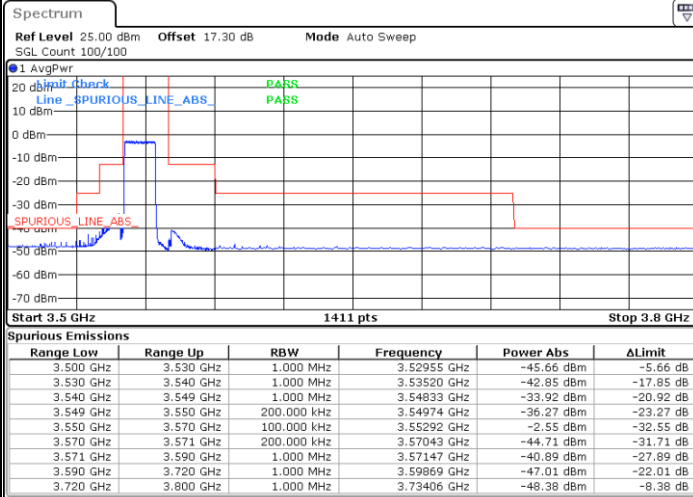


LTE Band 48 / 15MHz

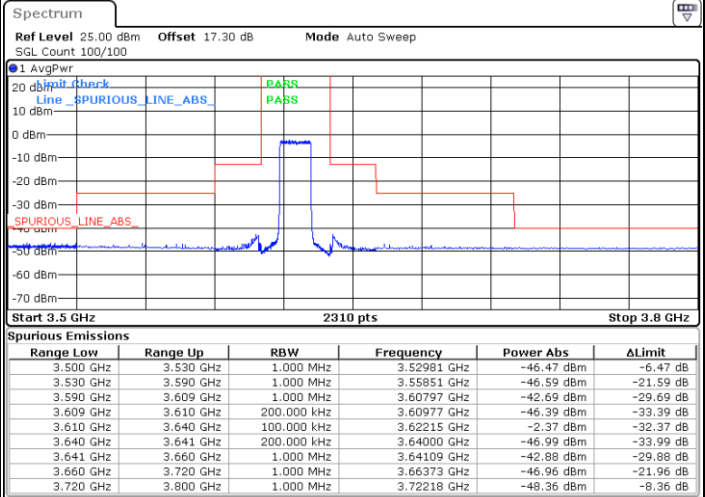
256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



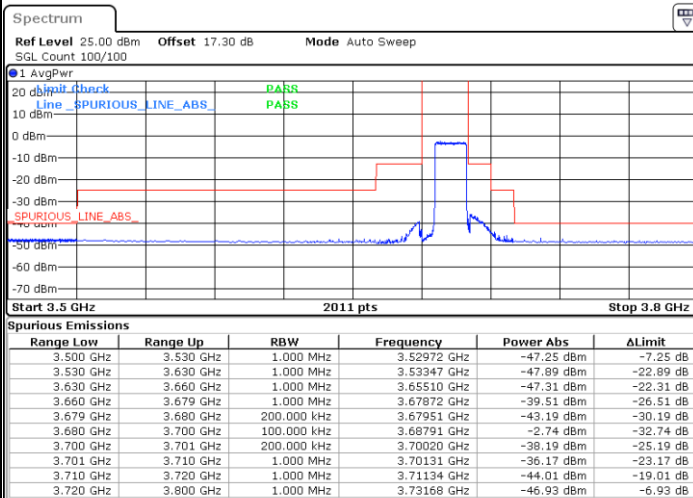
Date: 14.MAY.2024 08:46:41



Date: 14.MAY.2024 08:47:34

Highest Channel / FullIRB

N/A



Date: 14.MAY.2024 08:48:27

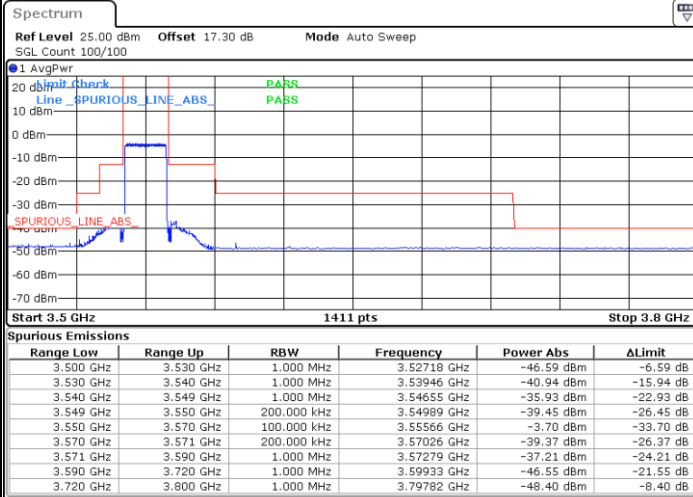


LTE Band 48 / 20MHz

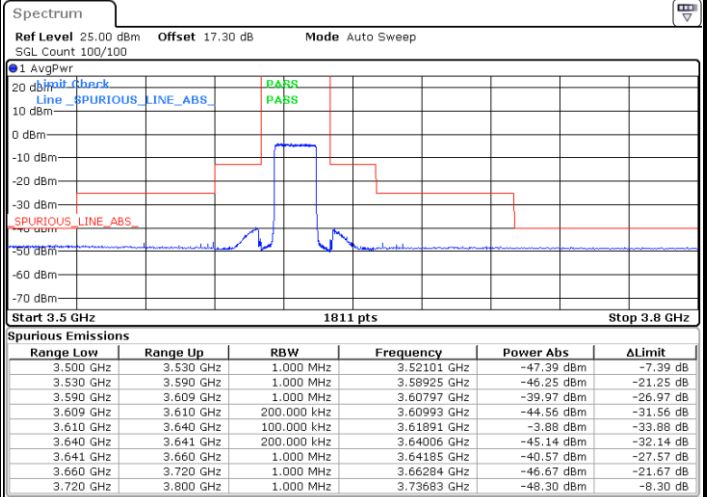
256QAM

Lowest Channel / FullIRB

Middle Channel / FullIRB



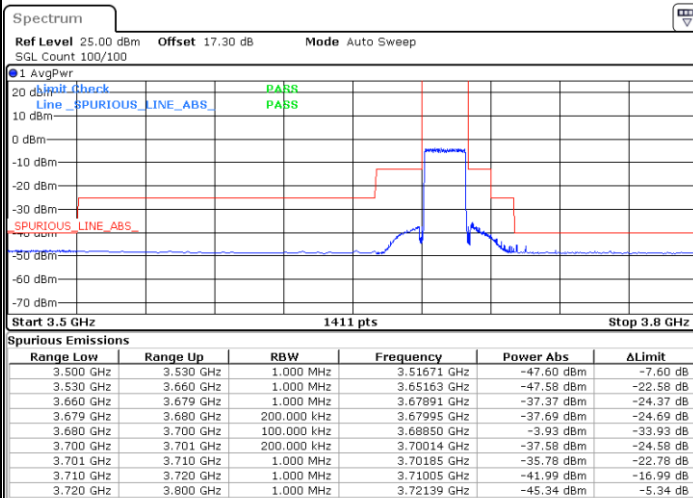
Date: 14.MAY.2024 08:50:09



Date: 14.MAY.2024 08:51:02

Highest Channel / FullIRB

N/A



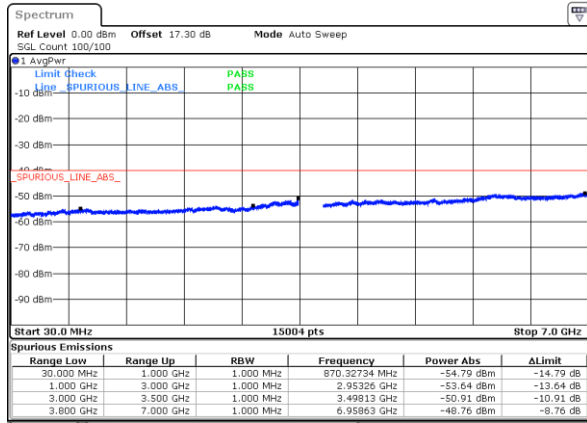
Date: 14.MAY.2024 08:51:55



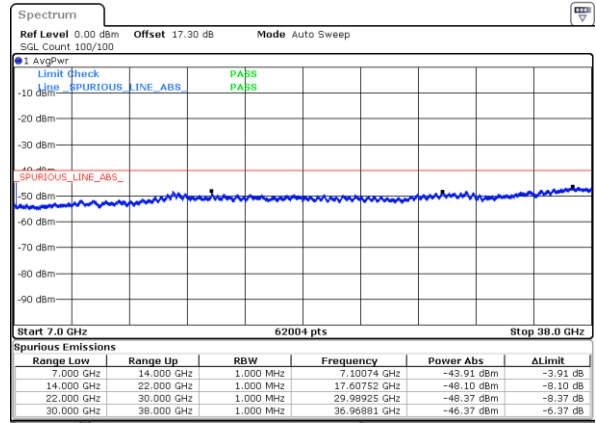
Conducted Spurious Emission

LTE Band 48 / 5MHz

Lowest Channel / QPSK

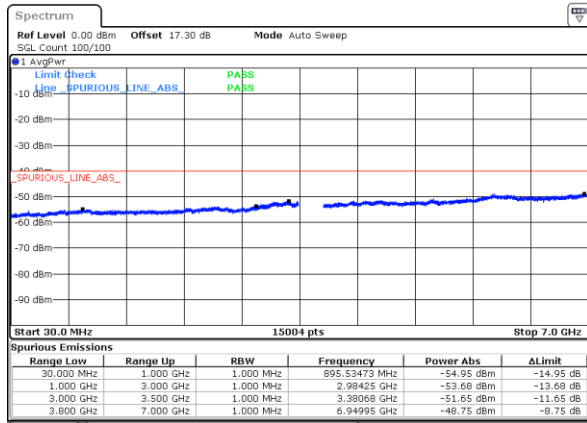


Date: 14.MAY.2024 08:17:14

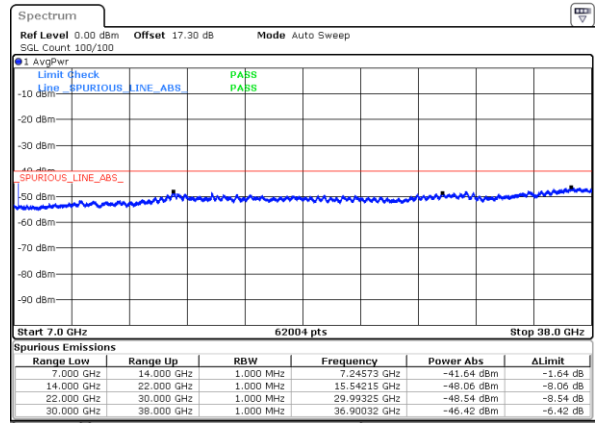


Date: 14.MAY.2024 08:15:51

Middle Channel / QPSK

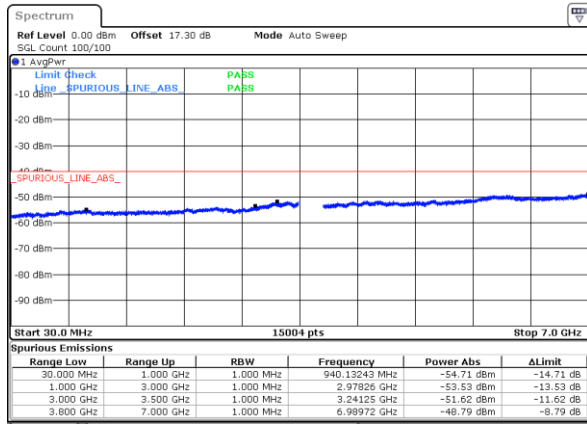


Date: 14.MAY.2024 08:18:27

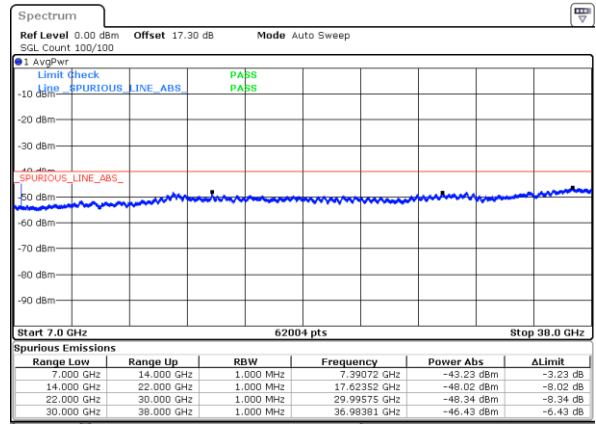


Date: 14.MAY.2024 08:15:04

Highest Channel / QPSK



Date: 14.MAY.2024 08:19:40

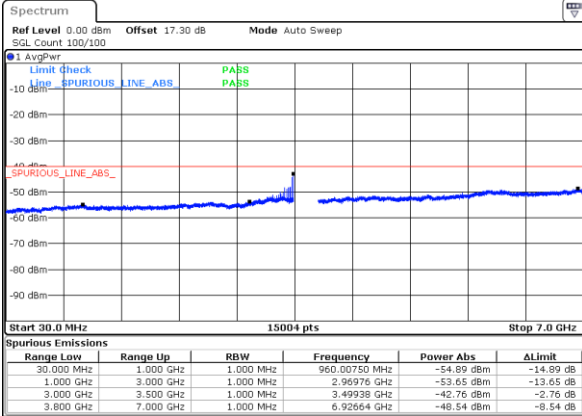


Date: 14.MAY.2024 08:16:17

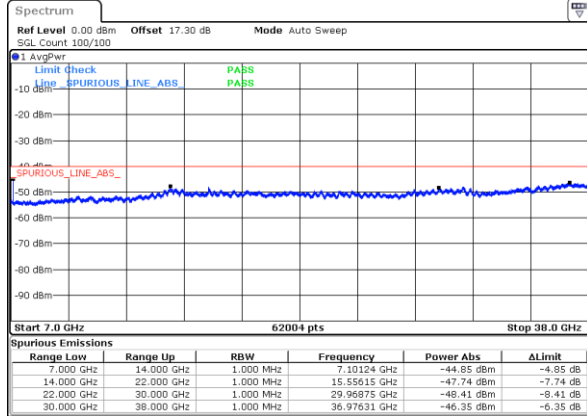


LTE Band 48 / 10MHz

Lowest Channel / QPSK

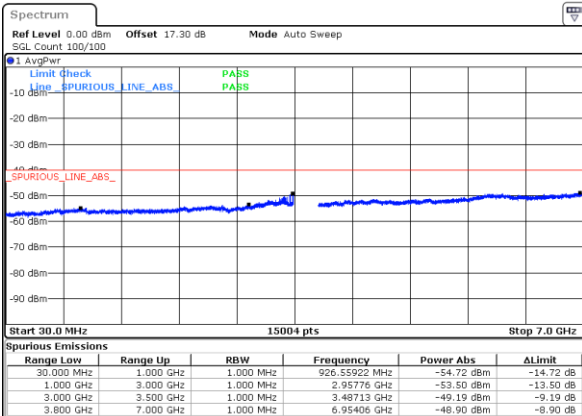


Date: 14.MAY.2024 08:21:36

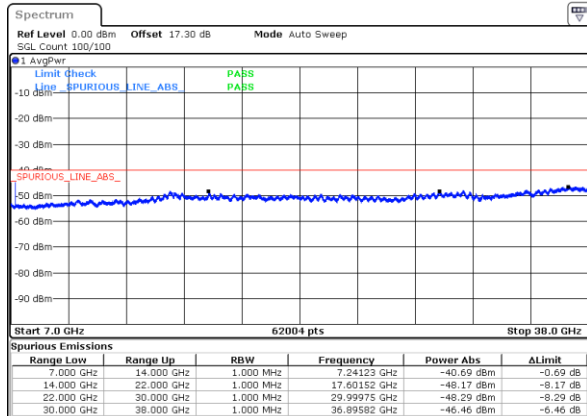


Date: 14.MAY.2024 08:58:14

Middle Channel / QPSK

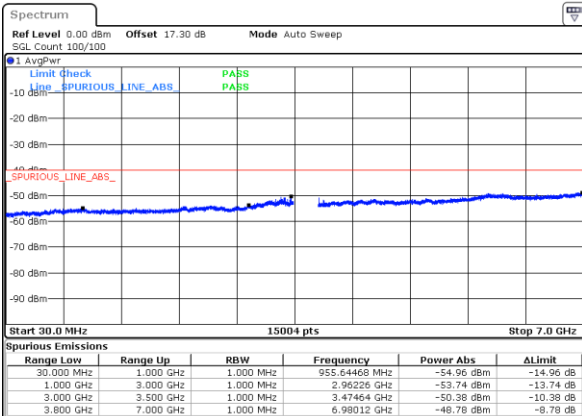


Date: 14.MAY.2024 08:22:48

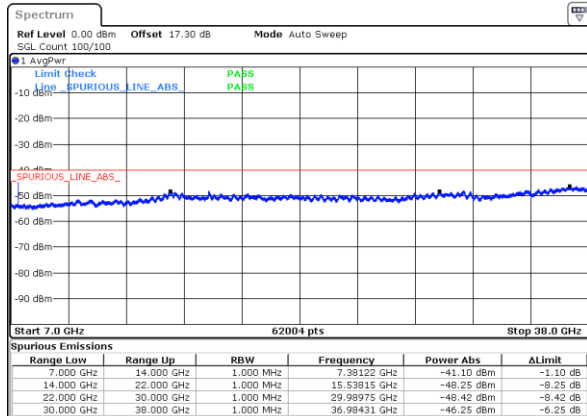


Date: 14.MAY.2024 08:59:26

Highest Channel / QPSK



Date: 14.MAY.2024 08:24:01

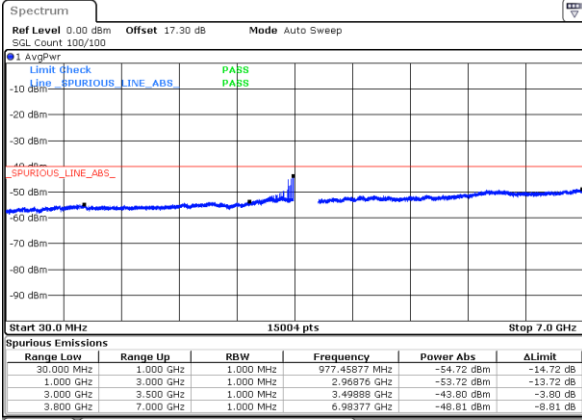


Date: 14.MAY.2024 09:00:39

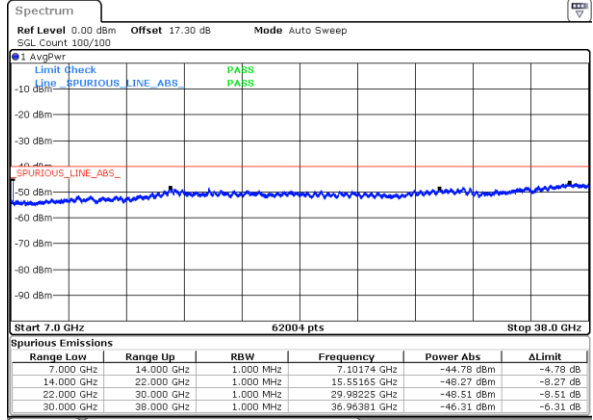


LTE Band 48 / 15MHz

Lowest Channel / QPSK

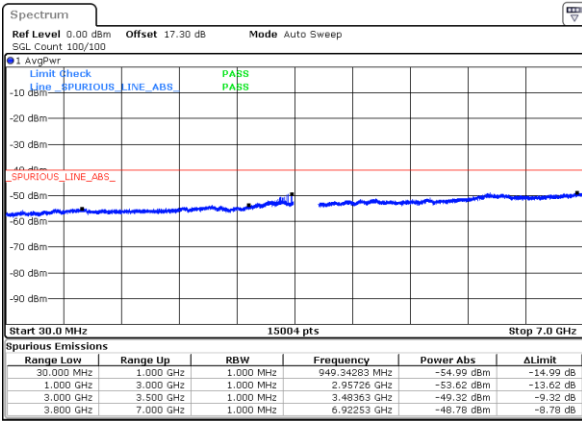


Date: 14.MAY.2024 08:25:57

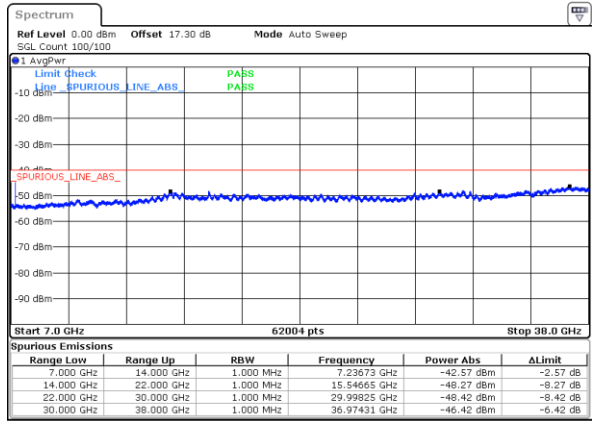


Date: 14.MAY.2024 09:02:36

Middle Channel / QPSK

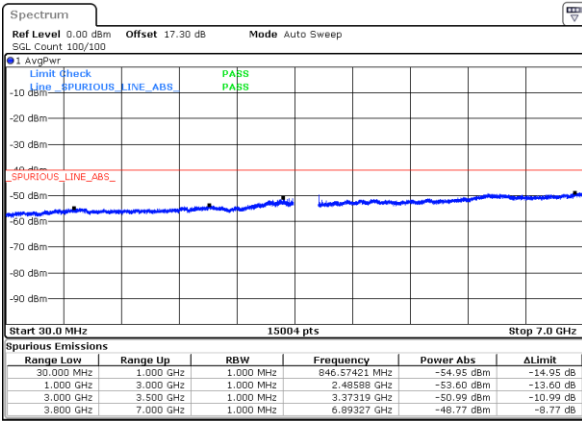


Date: 14.MAY.2024 08:27:10

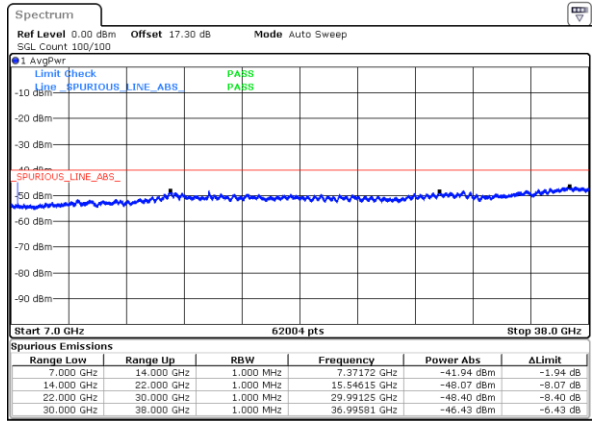


Date: 14.MAY.2024 09:03:48

Highest Channel / QPSK



Date: 14.MAY.2024 08:28:22

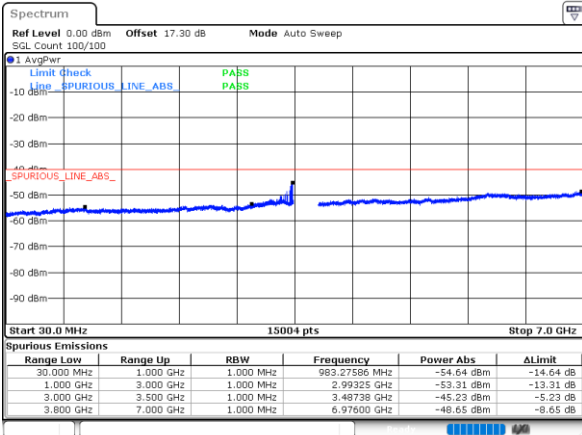


Date: 14.MAY.2024 09:05:01

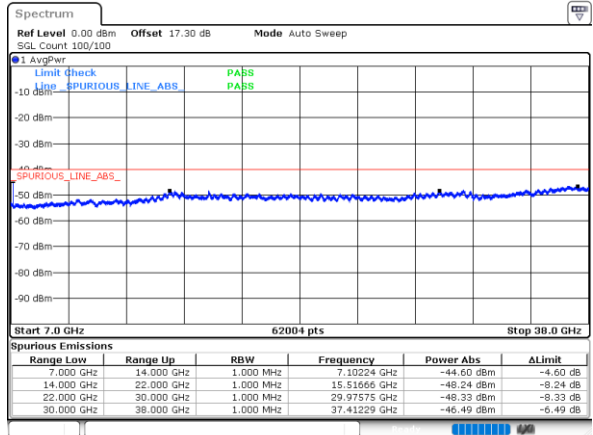


LTE Band 48 / 20MHz

Lowest Channel / QPSK

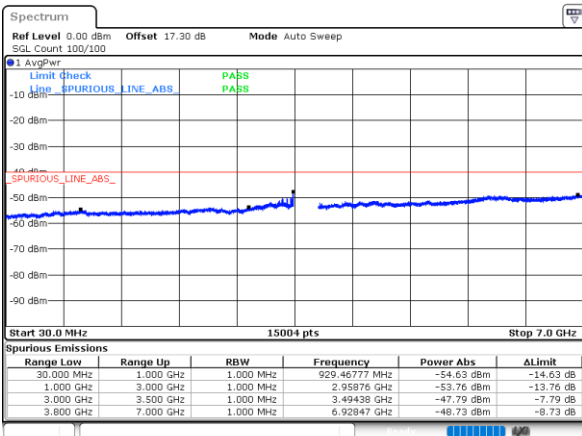


Date: 14.MAY.2024 08:30:18

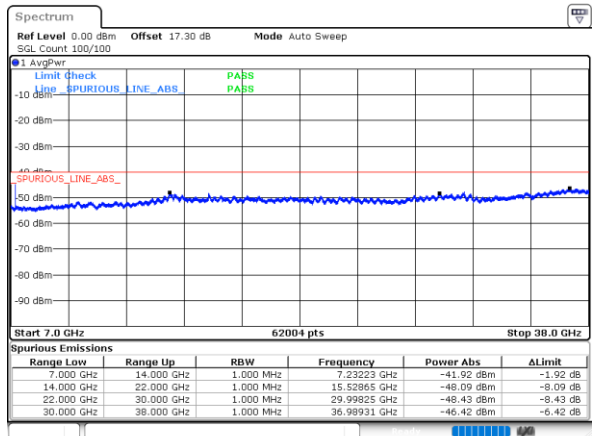


Date: 14.MAY.2024 09:47:15

Middle Channel / QPSK

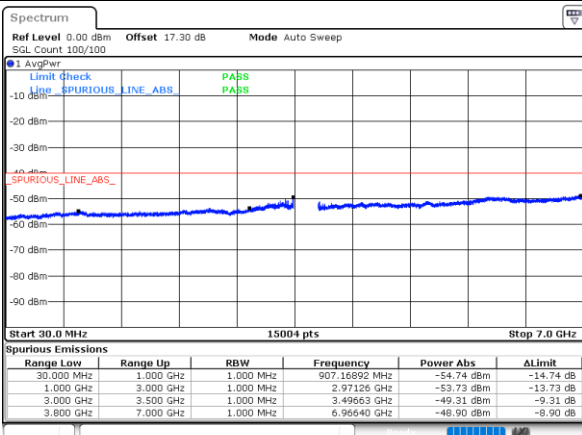


Date: 14.MAY.2024 08:31:31

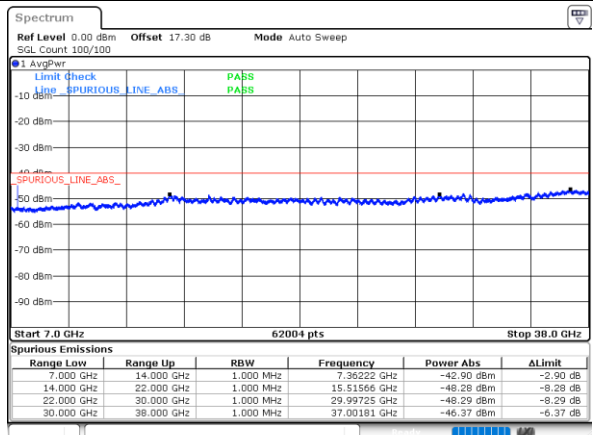


Date: 14.MAY.2024 09:48:28

Highest Channel / QPSK



Date: 14.MAY.2024 08:32:44



Date: 14.MAY.2024 09:49:41

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	0.0003	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage = 3.3 V. ; Battery End Point (ACLRP) = 3.135 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	24.92	29.91	34.82	25.12
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.96	34.89	39.88	-

Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.77	29.85	34.82	25.17
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.08	35.10	39.79	-

Mode	LTE Band 48C : 26dB BW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.72	29.73	34.68	25.12
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.14	34.82	39.88	-

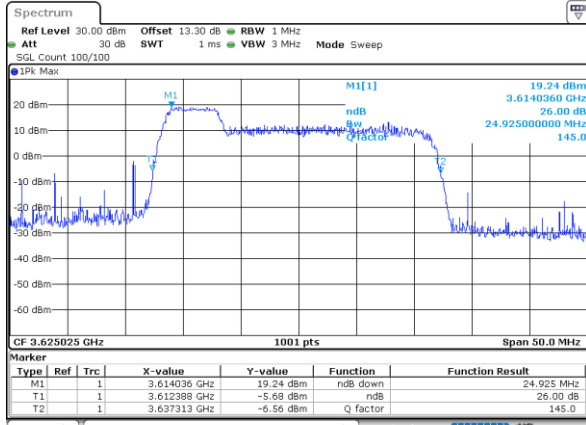
Mode	LTE Band 48C : 26dB BW(MHz)			
256QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.77	29.78	34.82	25.22
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.08	34.96	39.64	-



LTE Band 48C

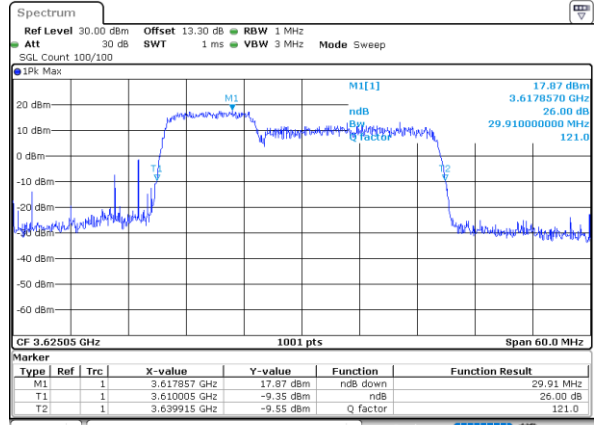
QPSK

Middle Channel / 5MHz+20MHz



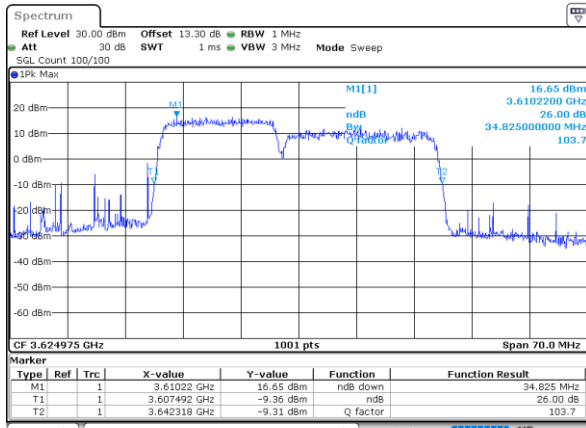
Date: 24.APR.2024 23:31:59

Middle Channel / 10MHz+20MHz



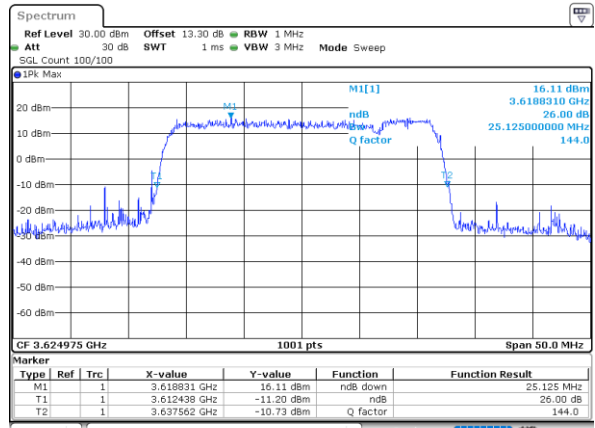
Date: 24.APR.2024 23:39:04

Middle Channel / 15MHz+20MHz



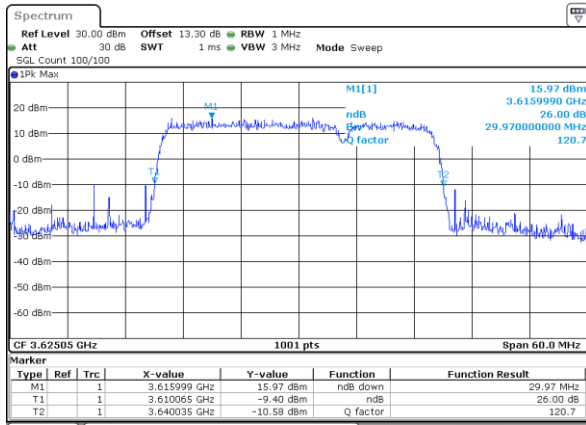
Date: 25.APR.2024 00:31:36

Middle Channel / 20MHz+5MHz



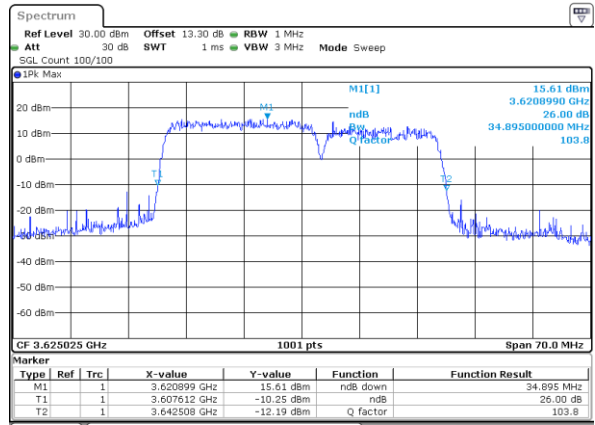
Date: 24.APR.2024 23:35:29

Middle Channel / 20MHz+10MHz



Date: 24.APR.2024 23:42:33

Middle Channel / 20MHz+15MHz



Date: 25.APR.2024 00:35:05

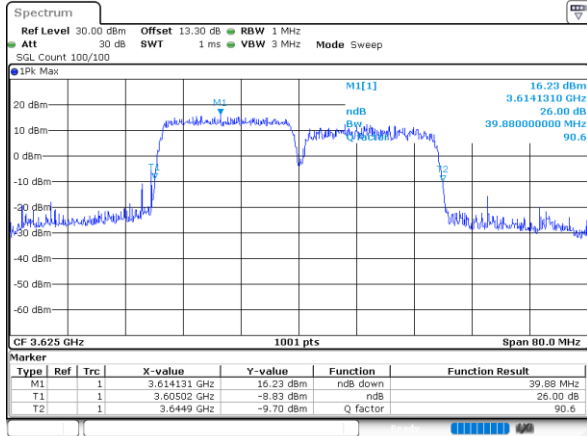


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A



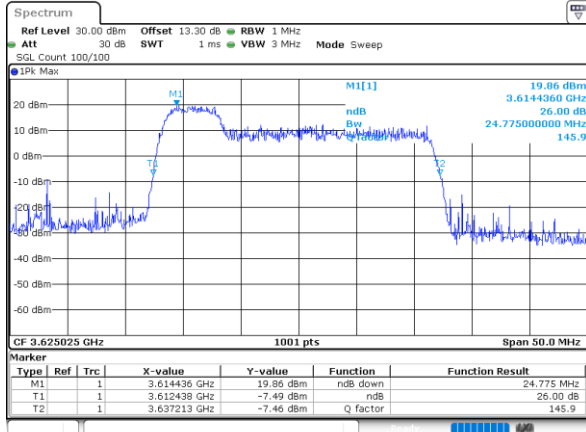
Date: 25.APR.2024 00:38:58



LTE Band 48C

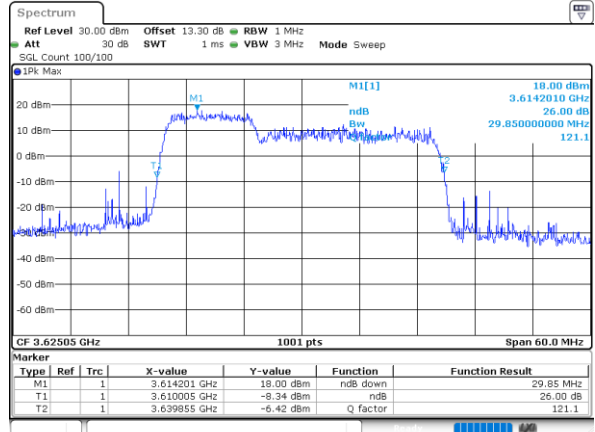
16QAM

Middle Channel / 5MHz+20MHz



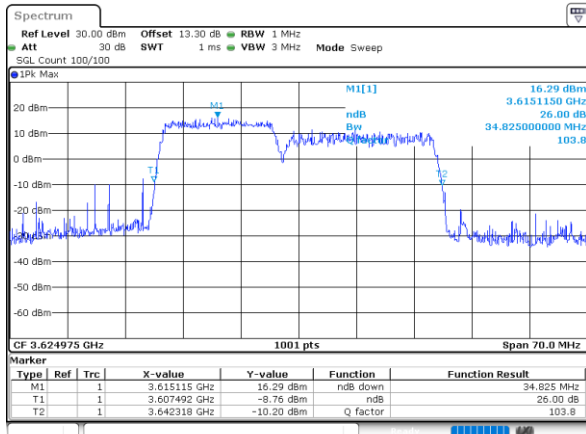
Date: 24.APR.2024 23:31:14

Middle Channel / 10MHz+20MHz



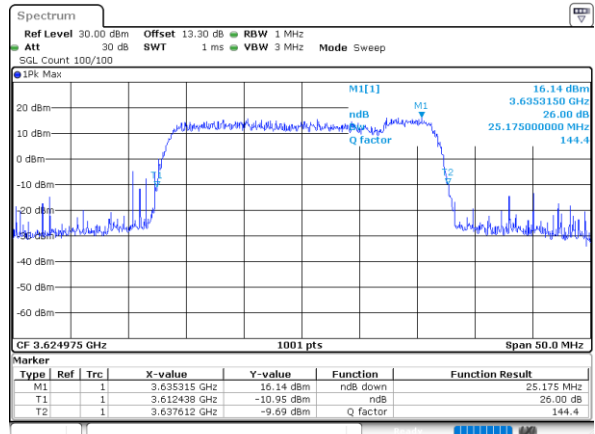
Date: 24.APR.2024 23:38:39

Middle Channel / 15MHz+20MHz



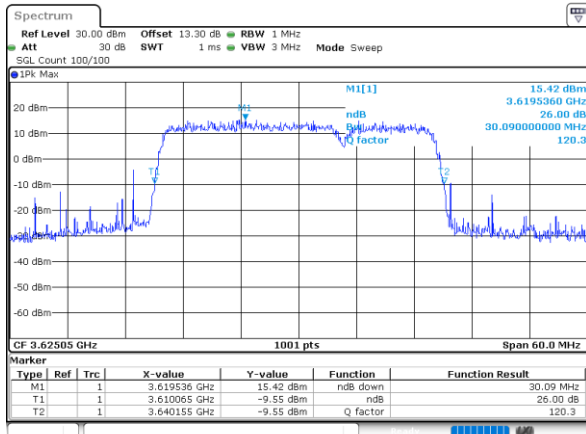
Date: 25.APR.2024 00:31:10

Middle Channel / 20MHz+5MHz



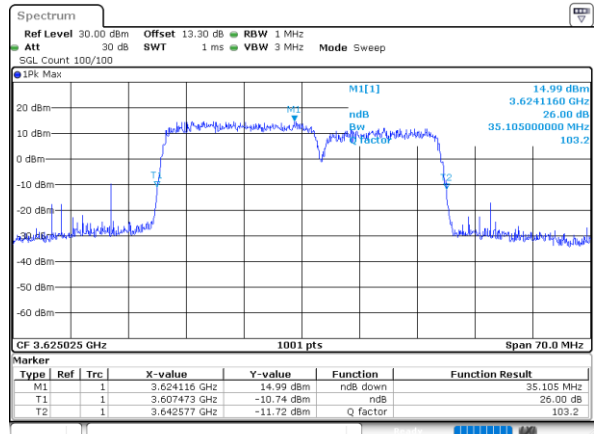
Date: 24.APR.2024 23:35:04

Middle Channel / 20MHz+10MHz



Date: 24.APR.2024 23:42:09

Middle Channel / 20MHz+15MHz



Date: 25.APR.2024 00:34:40

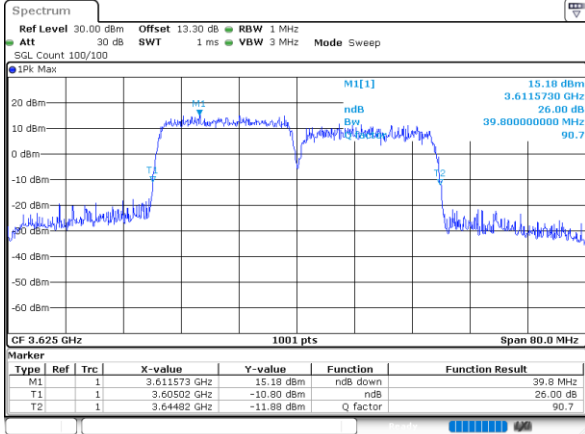


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A



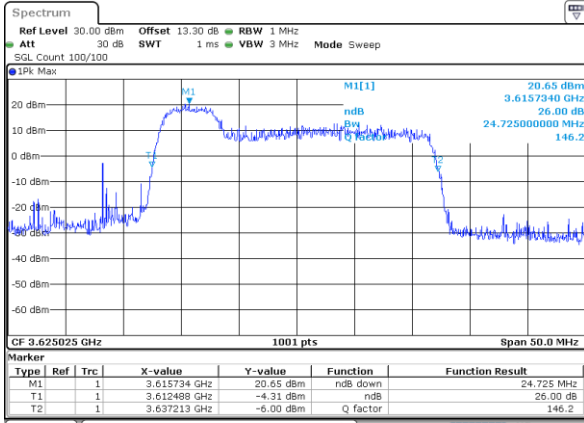
Date: 25, APR, 2024 00:38:08



LTE Band 48C

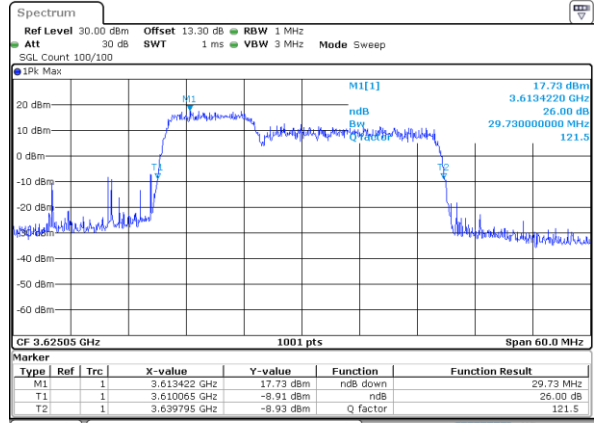
64QAM

Middle Channel / 5MHz+20MHz



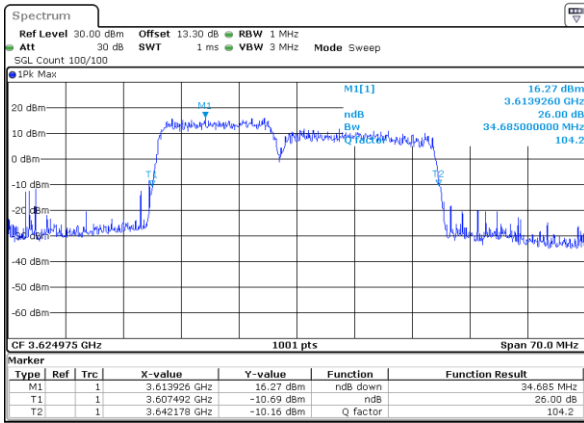
Date: 24.APR.2024 23:31:08

Middle Channel / 10MHz+20MHz



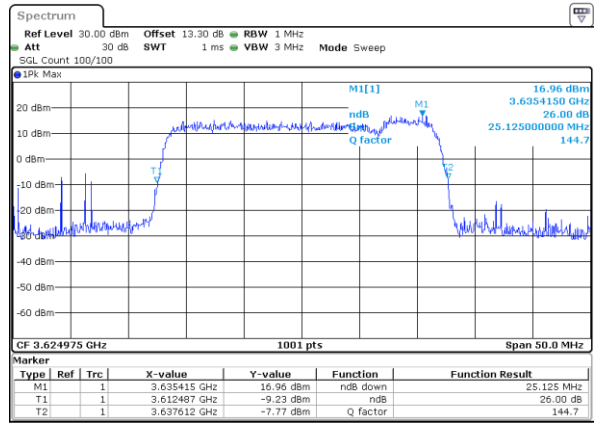
Date: 24.APR.2024 23:38:13

Middle Channel / 15MHz+20MHz



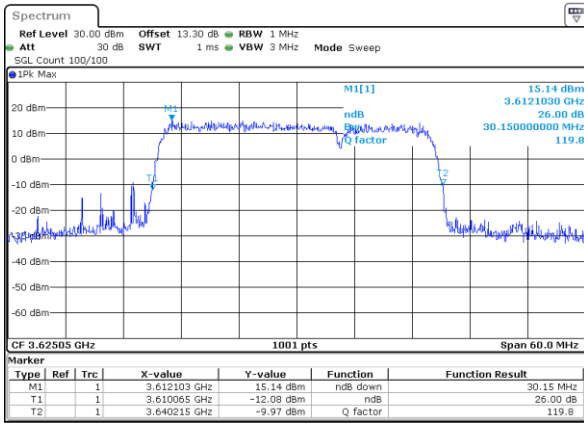
Date: 25.APR.2024 00:30:45

Middle Channel / 20MHz+5MHz



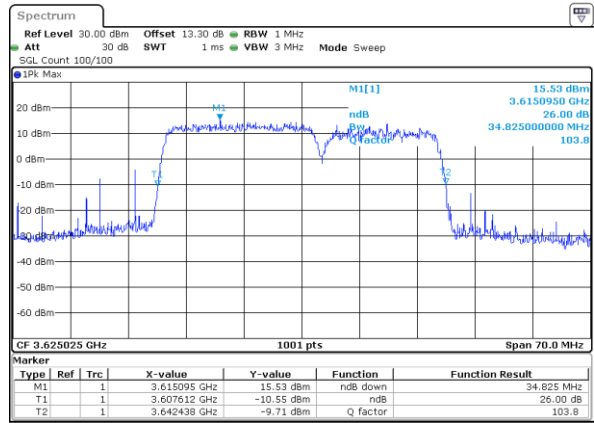
Date: 24.APR.2024 23:34:38

Middle Channel / 20MHz+10MHz



Date: 24.APR.2024 23:41:43

Middle Channel / 20MHz+15MHz



Date: 25.APR.2024 00:34:15

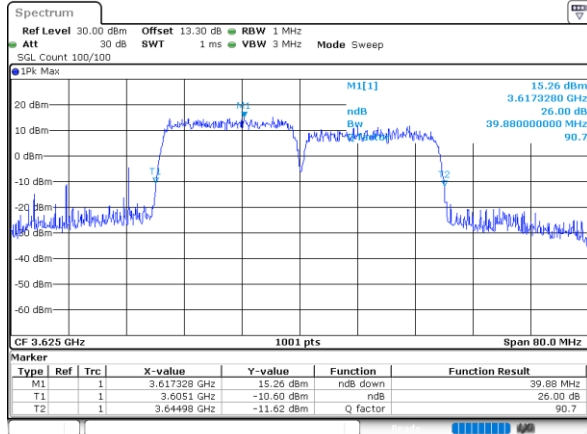


LTE Band 48C

64QAM

Middle Channel / 20MHz+20MHz

N/A



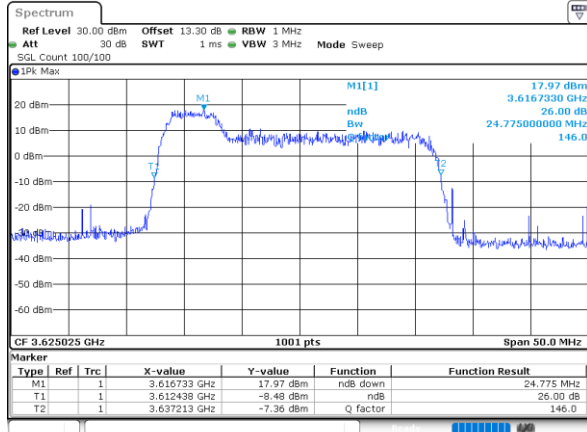
Date: 25, APR, 2024 00:37:42



LTE Band 48C

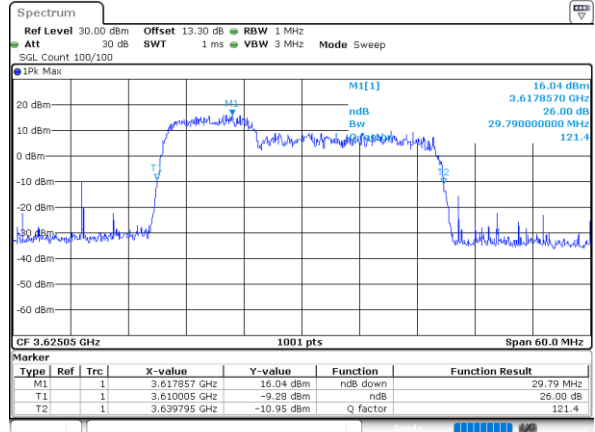
256QAM

Middle Channel / 5MHz+20MHz



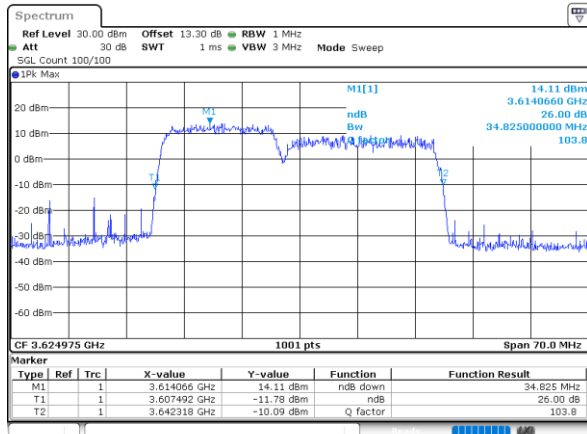
Date: 24.APR.2024 23:32:24

Middle Channel / 10MHz+20MHz



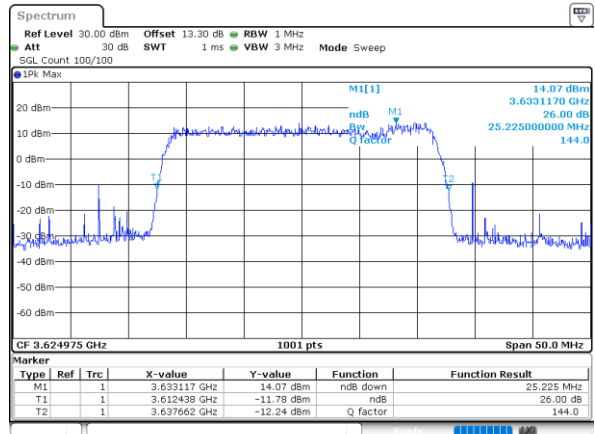
Date: 24.APR.2024 23:39:29

Middle Channel / 15MHz+20MHz



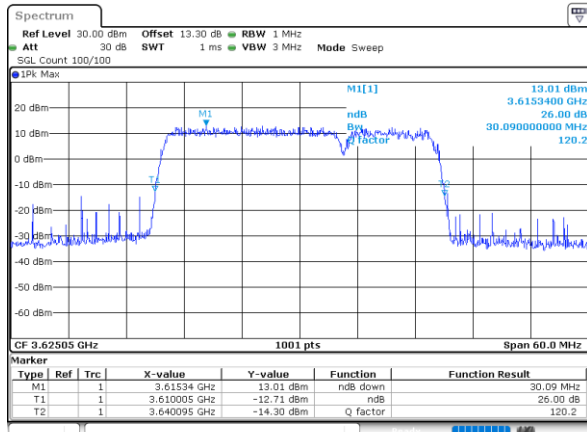
Date: 25.APR.2024 00:32:01

Middle Channel / 20MHz+5MHz



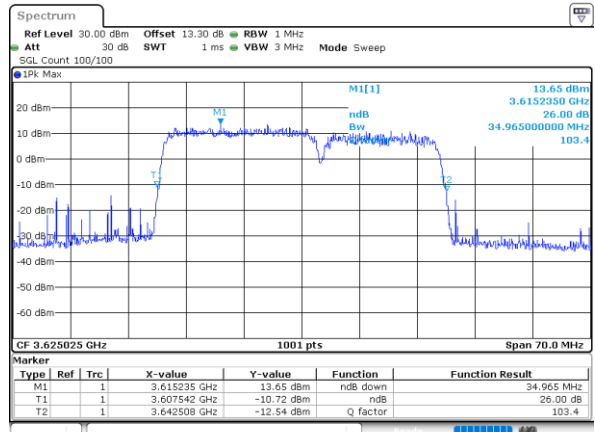
Date: 24.APR.2024 23:35:54

Middle Channel / 20MHz+10MHz



Date: 24.APR.2024 23:42:59

Middle Channel / 20MHz+15MHz



Date: 25.APR.2024 00:35:31

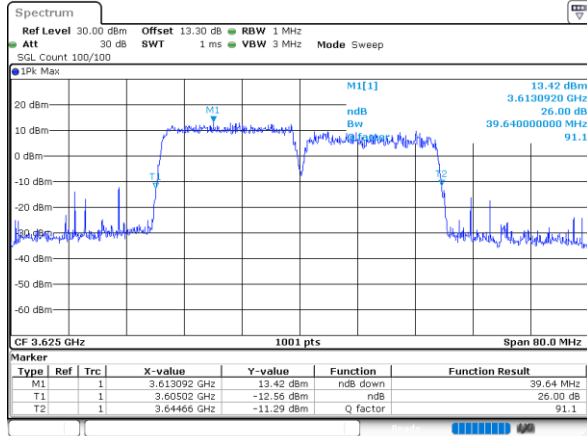


LTE Band 48C

256QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 25, APR, 2024 00:38:33

Occupied Bandwidth

Mode	LTE Band 48C : 99%OBW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.12	27.81	32.72	23.22
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.87	32.72	37.32	-

Mode	LTE Band 48C : 99%OBW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.17	27.87	32.58	23.17
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.87	32.72	37.48	-

Mode	LTE Band 48C : 99%OBW(MHz)			
64QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.07	27.81	32.72	23.17
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.87	32.65	37.40	-

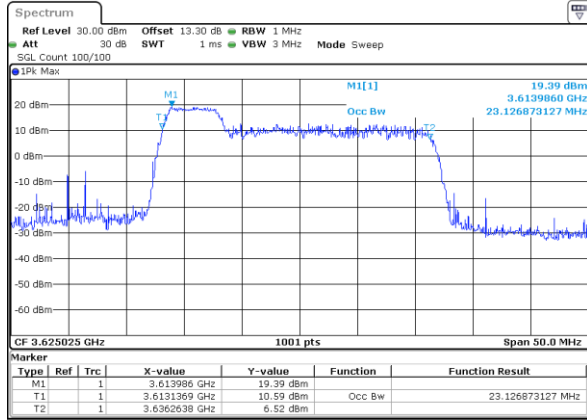
Mode	LTE Band 48C : 99%OBW(MHz)			
256QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.12	27.87	32.65	23.22
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.93	32.65	37.64	-



LTE Band 48C

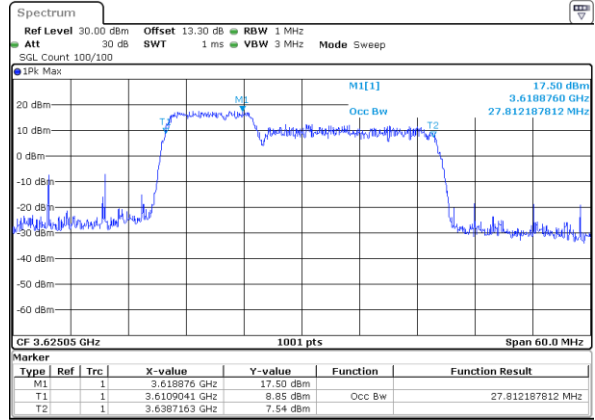
QPSK

Middle Channel / 5MHz+20MHz



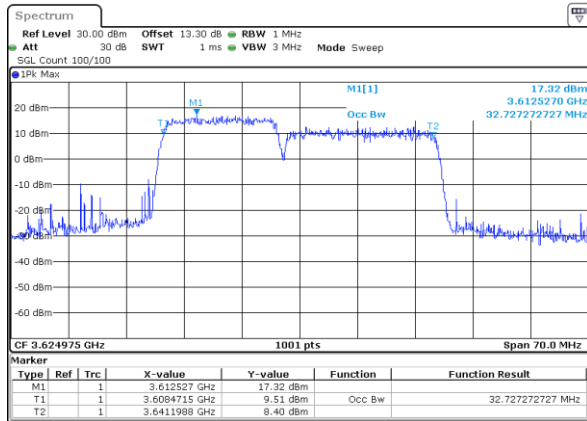
Date: 24.APR.2024 23:29:27

Middle Channel / 10MHz+20MHz



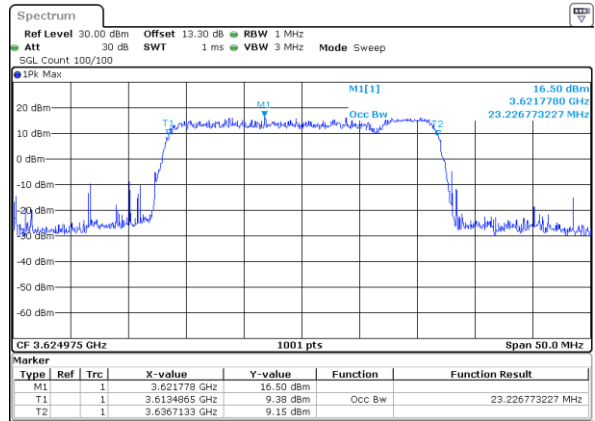
Date: 24.APR.2024 23:36:31

Middle Channel / 15MHz+20MHz



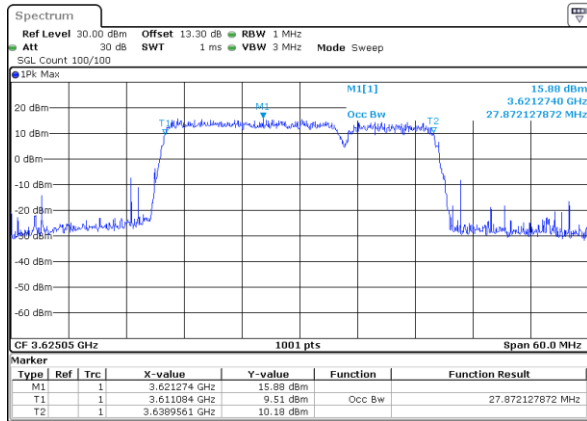
Date: 25.APR.2024 00:29:03

Middle Channel / 20MHz+5MHz



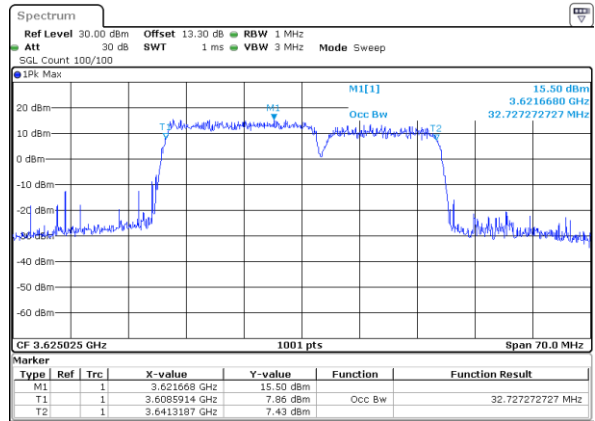
Date: 24.APR.2024 23:32:57

Middle Channel / 20MHz+10MHz



Date: 24.APR.2024 23:40:01

Middle Channel / 20MHz+15MHz



Date: 25.APR.2024 00:32:33

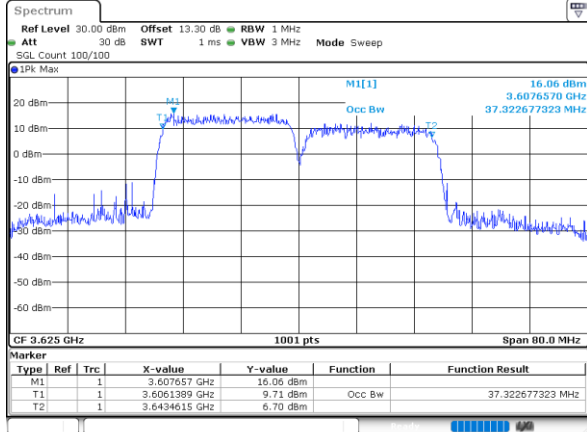


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A

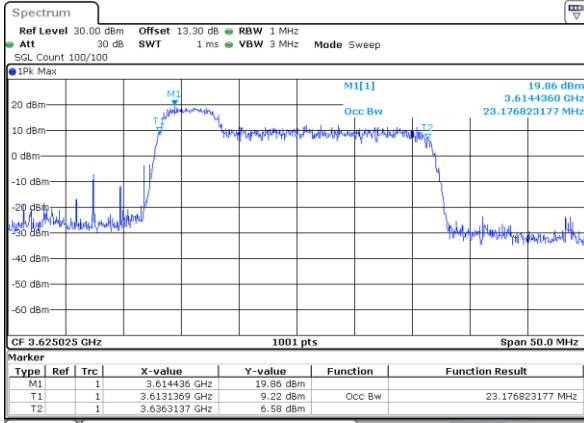




LTE Band 48C

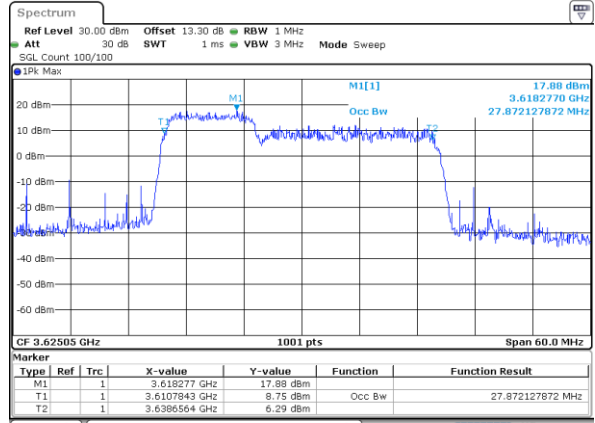
16QAM

Middle Channel / 5MHz+20MHz



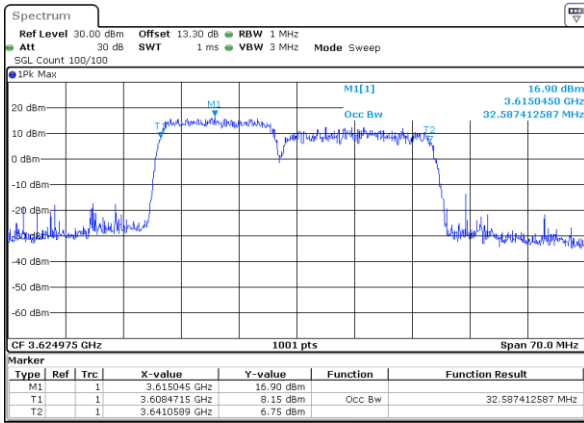
Date: 24.APR.2024 23:29:52

Middle Channel / 10MHz+20MHz



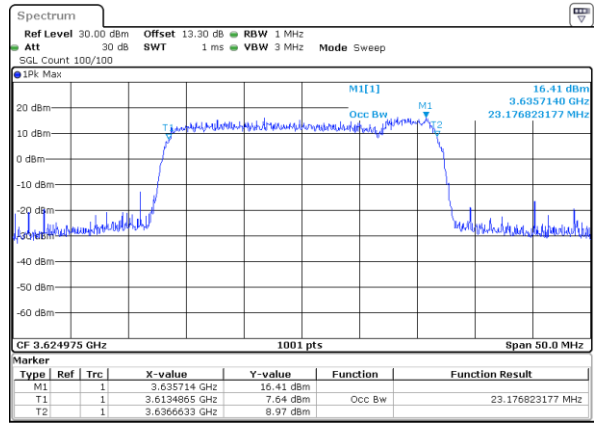
Date: 24.APR.2024 23:36:57

Middle Channel / 15MHz+20MHz



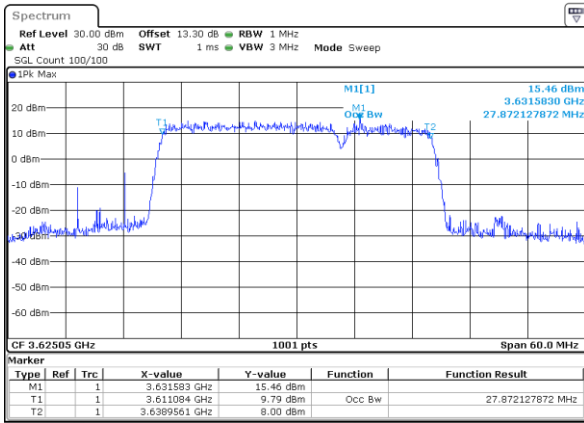
Date: 25.APR.2024 00:29:29

Middle Channel / 20MHz+5MHz



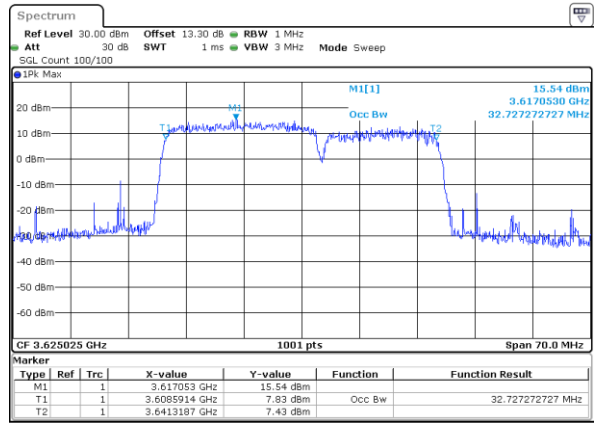
Date: 24.APR.2024 23:33:22

Middle Channel / 20MHz+10MHz



Date: 24.APR.2024 23:40:26

Middle Channel / 20MHz+15MHz



Date: 25.APR.2024 00:32:58

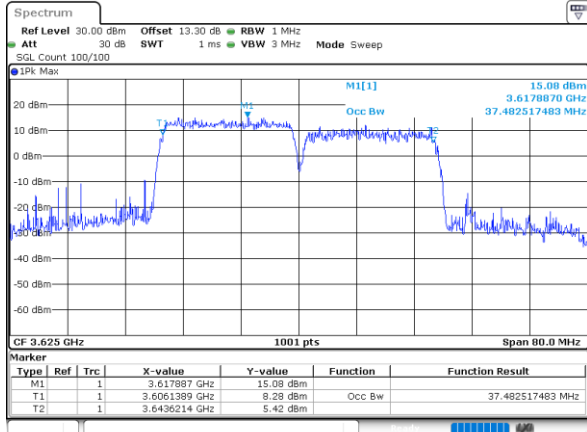


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A



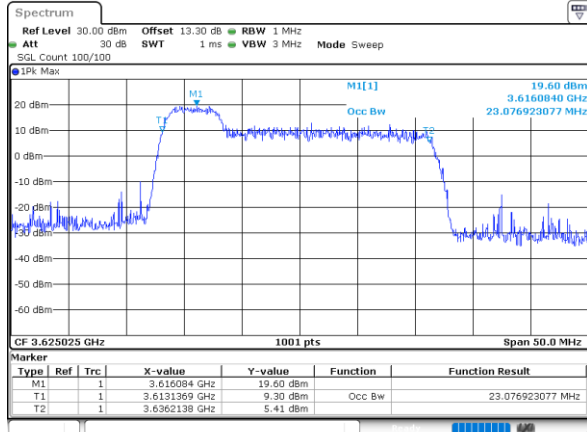
Date: 25, APR, 2024 00:36:26



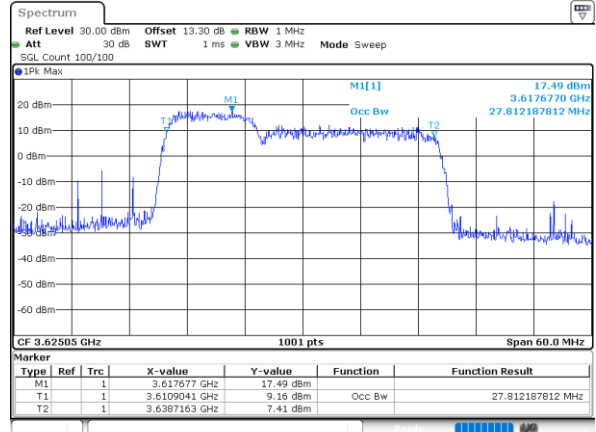
LTE Band 48C

64QAM

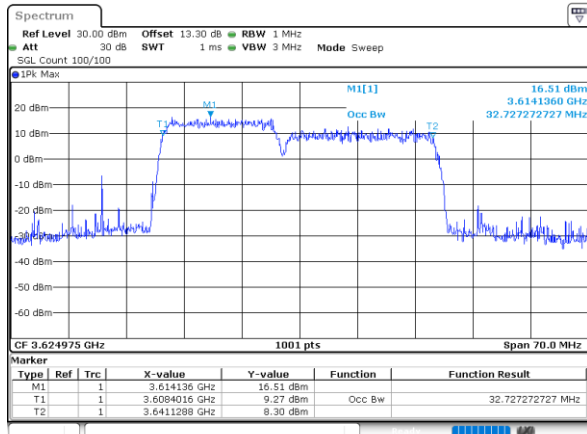
Middle Channel / 5MHz+20MHz



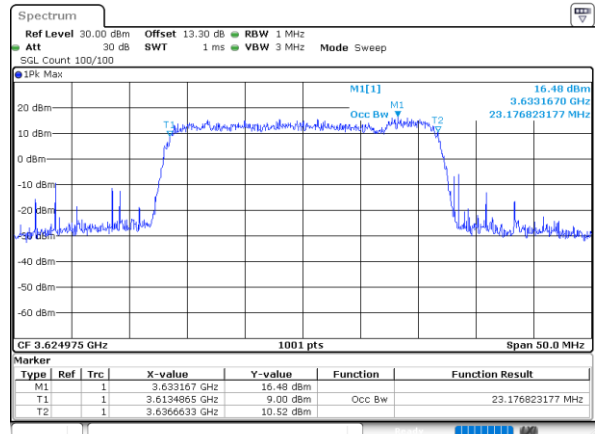
Middle Channel / 10MHz+20MHz



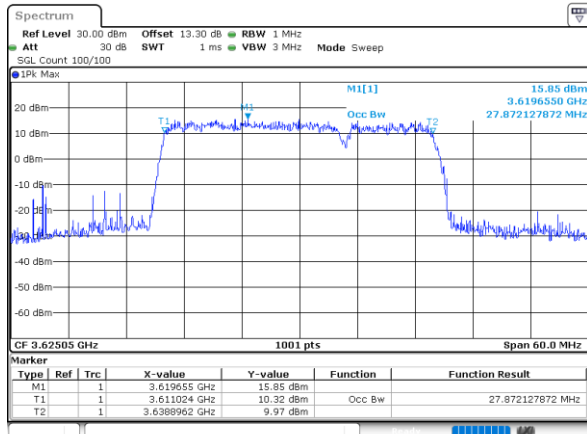
Middle Channel / 15MHz+20MHz



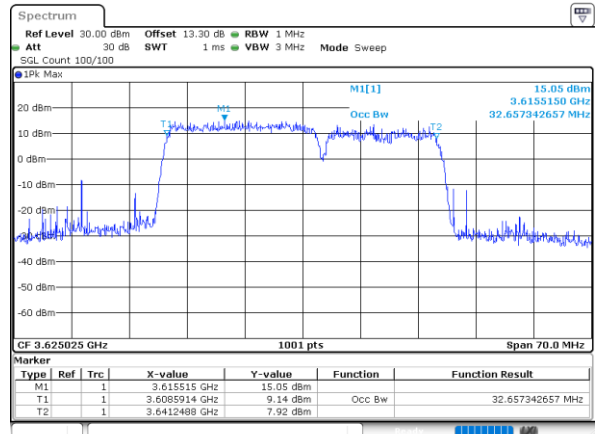
Middle Channel / 20MHz+5MHz



Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



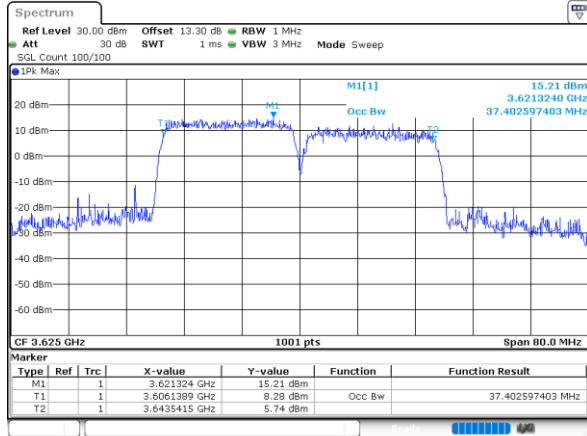


LTE Band 48C

64QAM

Middle Channel / 20MHz+20MHz

N/A



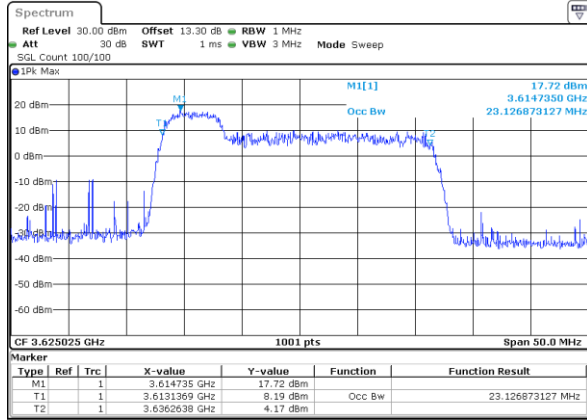
Date: 25, APR, 2024 00:36:52



LTE Band 48C

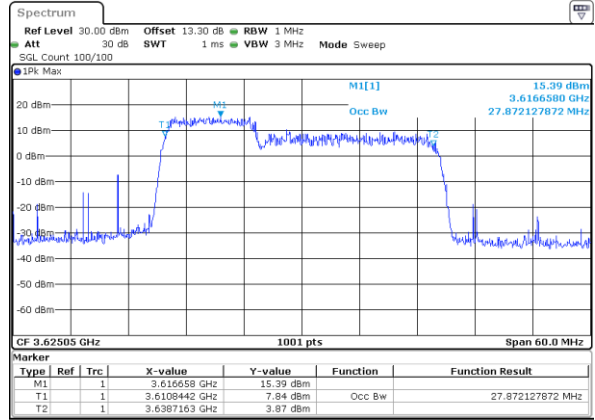
256QAM

Middle Channel / 5MHz+20MHz



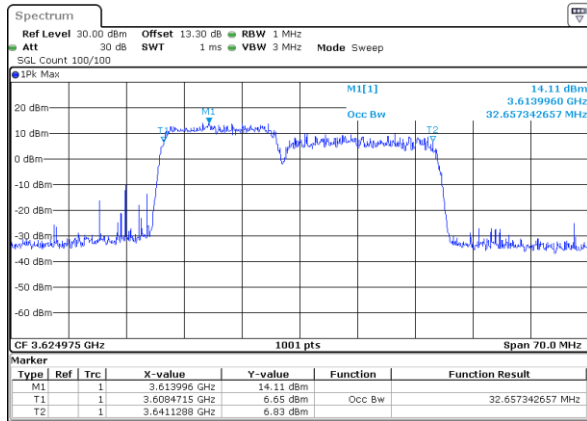
Date: 24.APR.2024 23:30:43

Middle Channel / 10MHz+20MHz



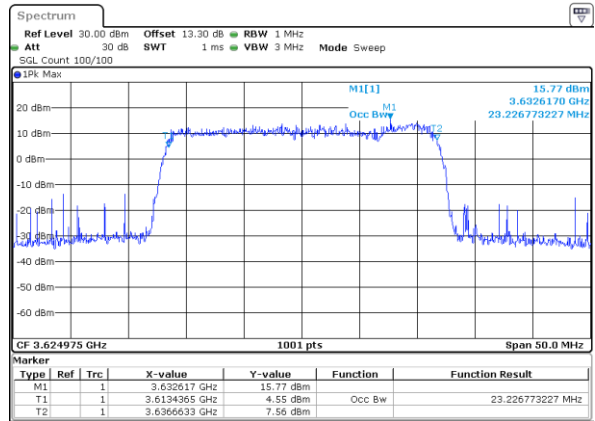
Date: 24.APR.2024 23:37:48

Middle Channel / 15MHz+20MHz



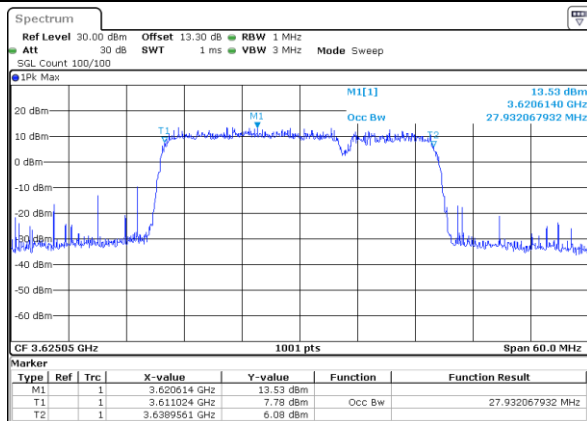
Date: 25.APR.2024 00:30:19

Middle Channel / 20MHz+5MHz



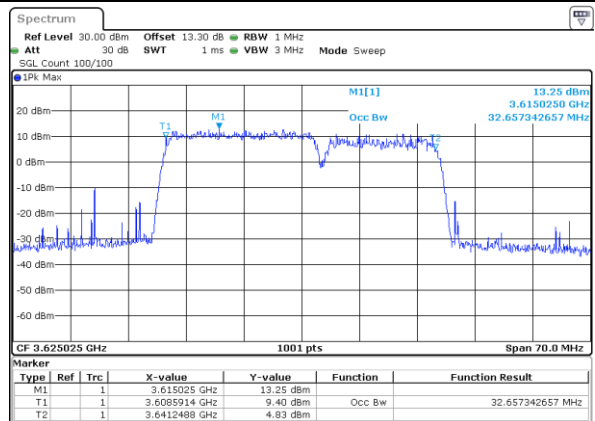
Date: 24.APR.2024 23:34:13

Middle Channel / 20MHz+10MHz



Date: 24.APR.2024 23:41:17

Middle Channel / 20MHz+15MHz



Date: 25.APR.2024 00:33:49

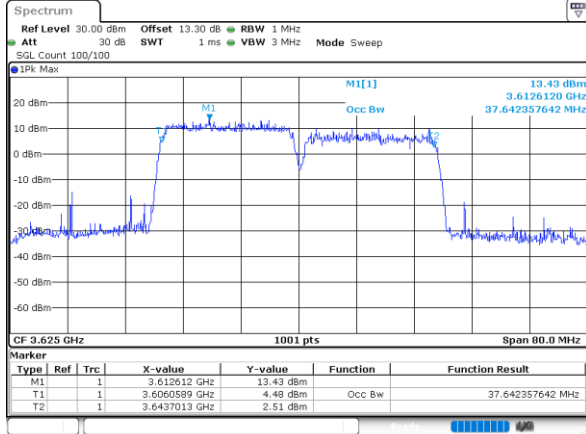


LTE Band 48C

256QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 25.APR.2024 00:37:17



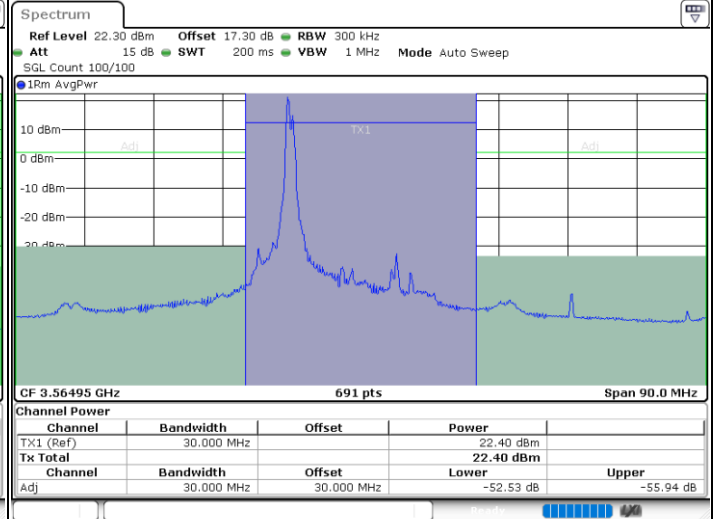
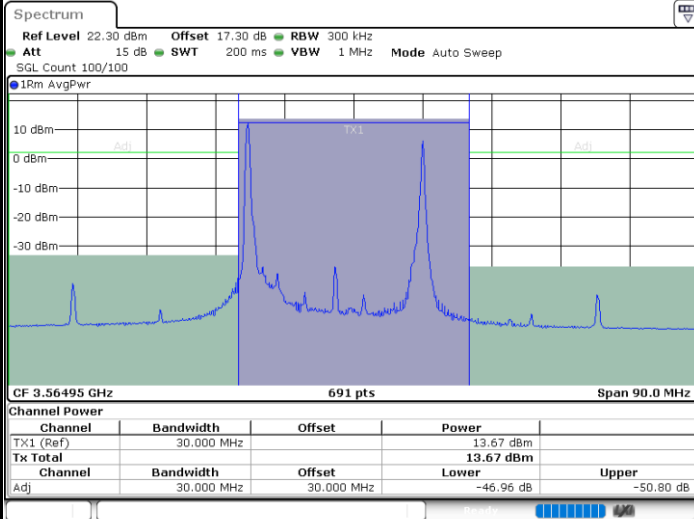
ACLR

LTE Band 48C / 5MHz+20MHz

QPSK

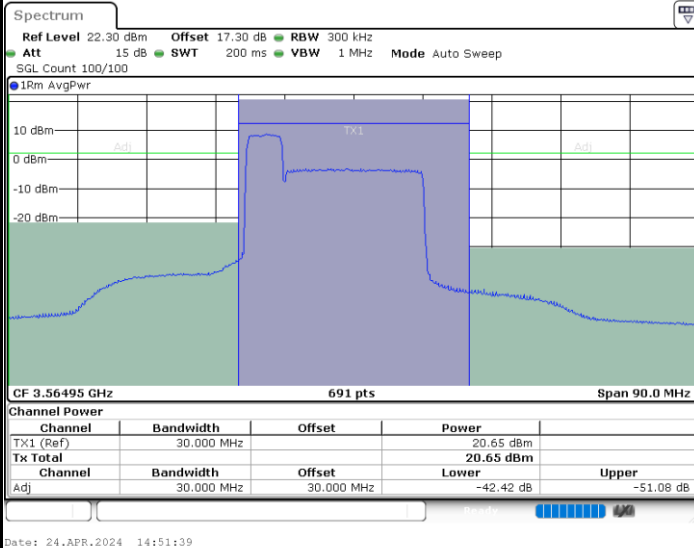
Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB24 and 1RB0



Lowest Channel / FullIRB

N/A



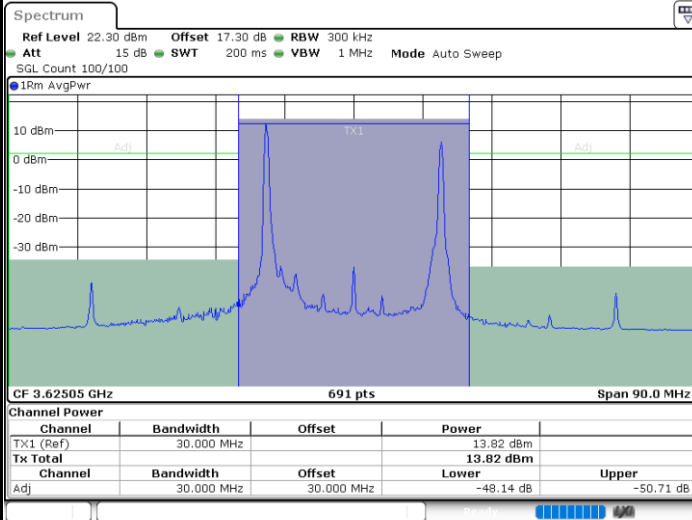


LTE Band 48C / 5MHz+20MHz

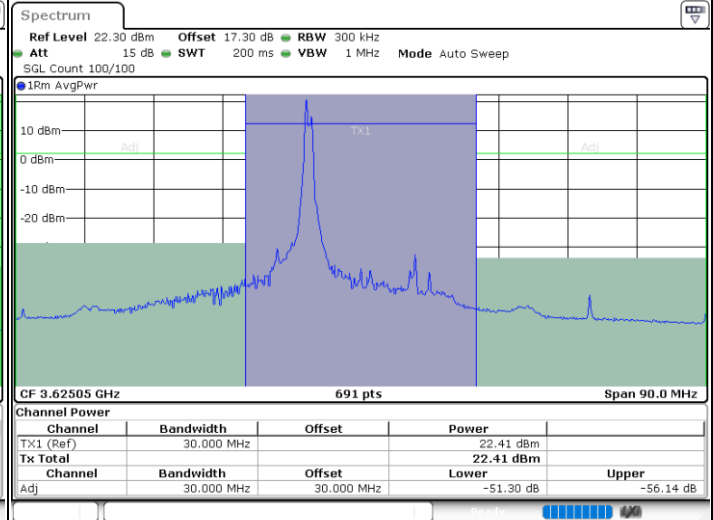
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB24 and 1RB0



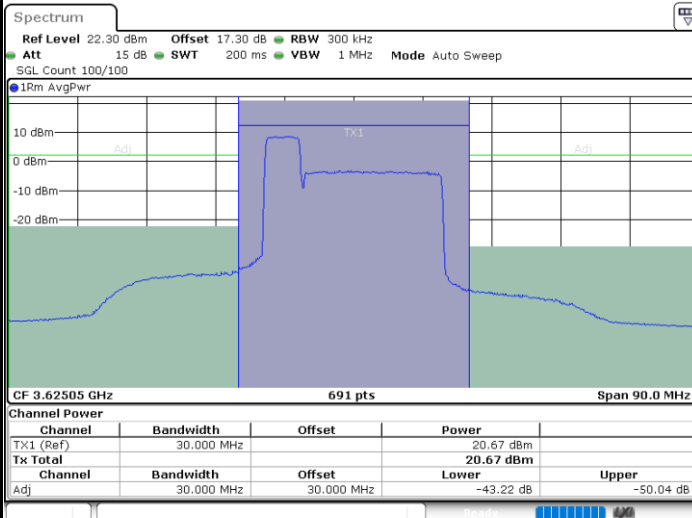
Date: 24.APR.2024 15:20:37



Date: 24.APR.2024 15:21:21

Middle Channel / FullRB

N/A



Date: 24.APR.2024 15:15:29

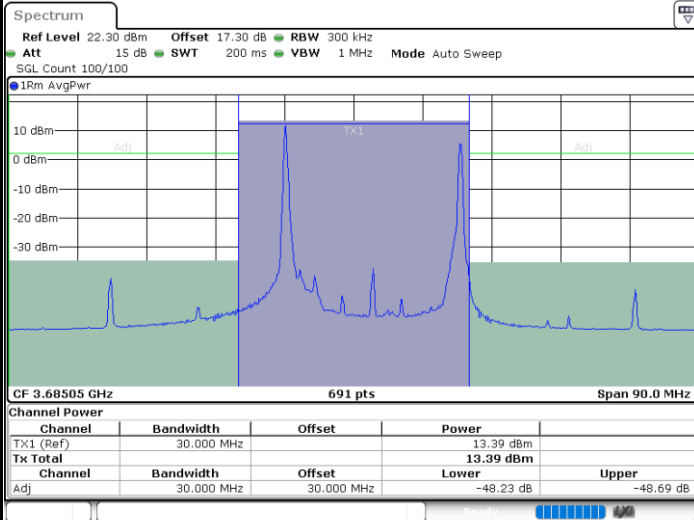


LTE Band 48C / 5MHz+20MHz

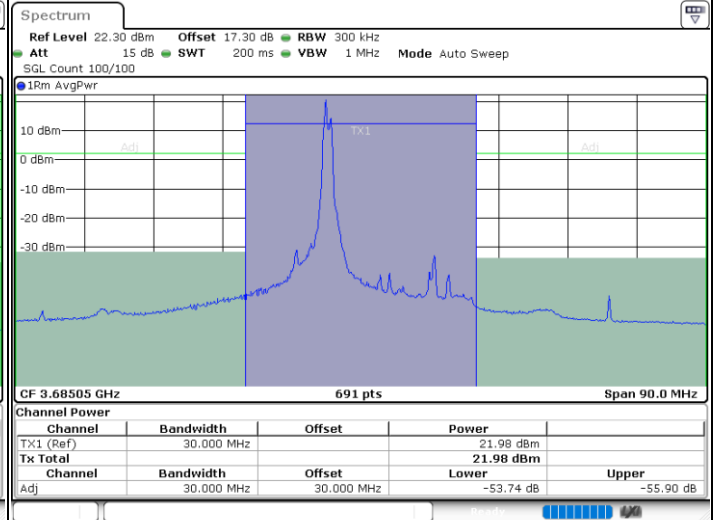
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB24 and 1RB0



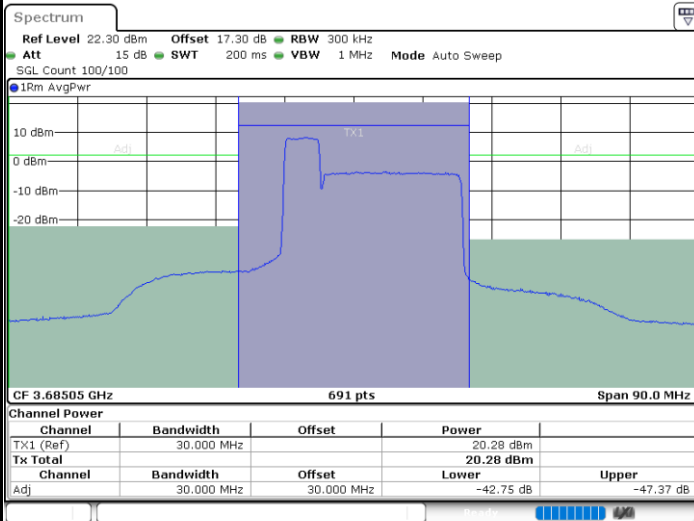
Date: 24.APR.2024 15:40:39



Date: 24.APR.2024 15:45:47

Highest Channel / FullIRB

N/A



Date: 24.APR.2024 15:39:55

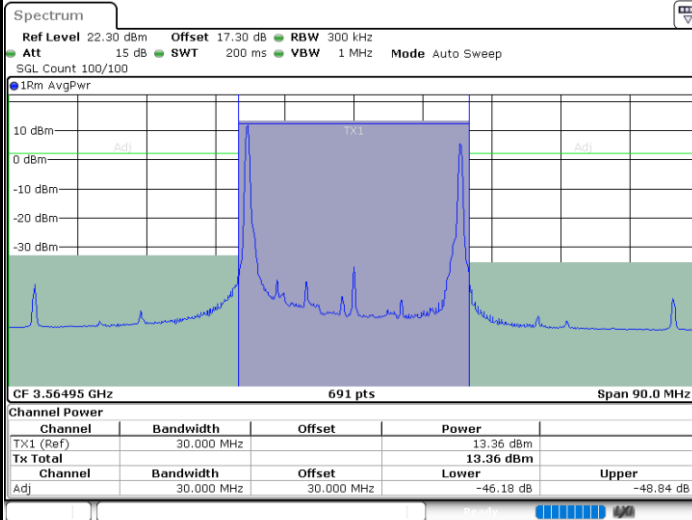


LTE Band 48C / 10MHz+20MHz

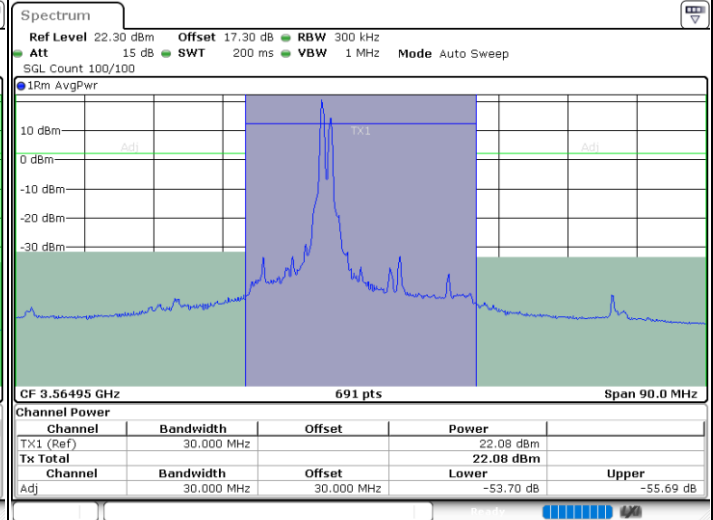
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0



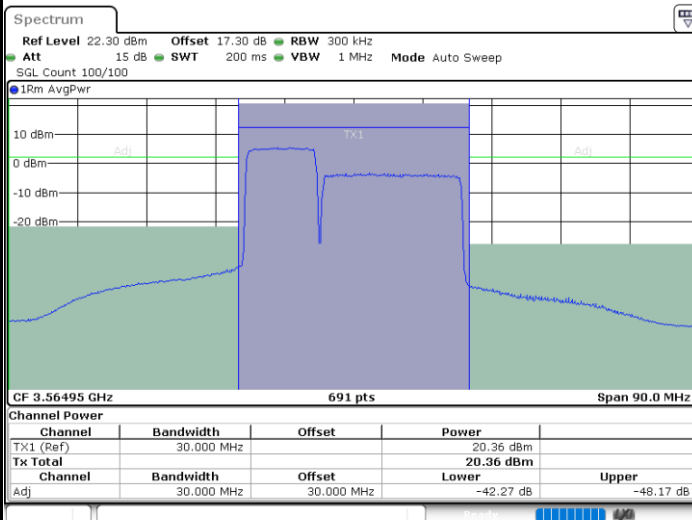
Date: 24.APR.2024 17:33:02



Date: 24.APR.2024 17:33:45

Lowest Channel / FullIRB

N/A



Date: 24.APR.2024 17:27:53

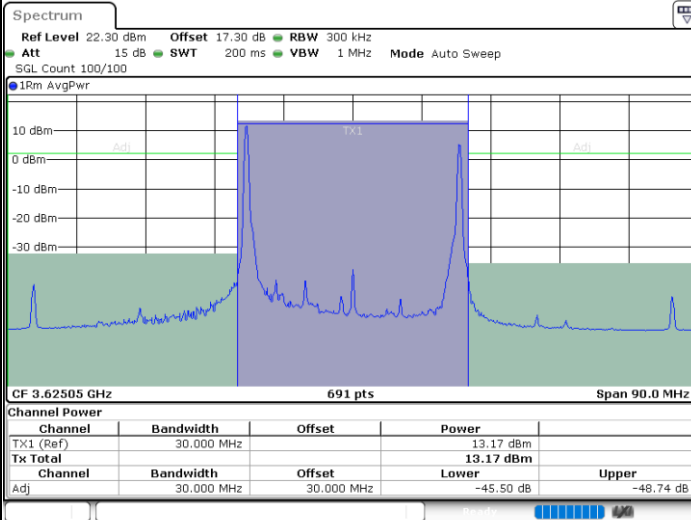


LTE Band 48C / 10MHz+20MHz

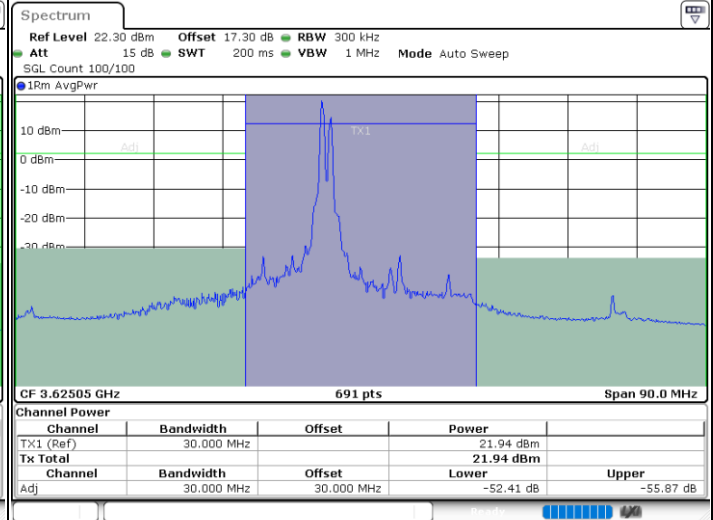
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB49 and 1RB0



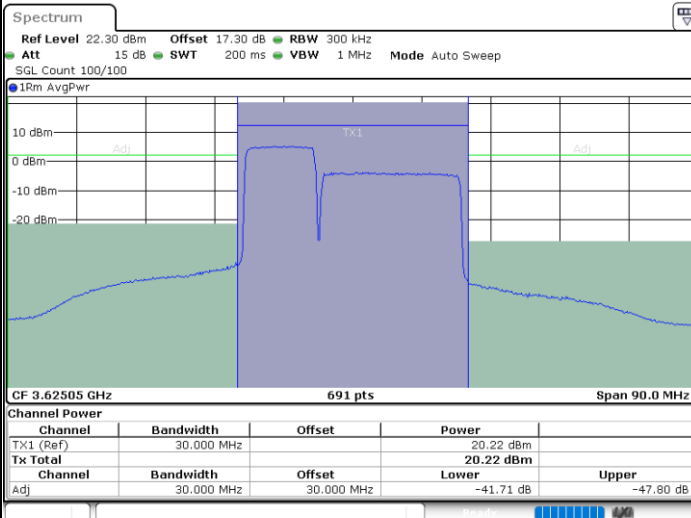
Date: 24.APR.2024 17:55:11



Date: 24.APR.2024 17:55:55

Middle Channel / FullRB

N/A



Date: 24.APR.2024 17:50:04

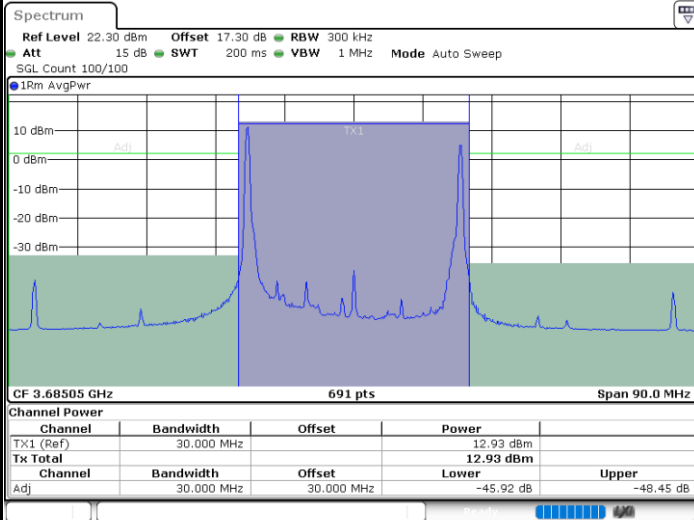


LTE Band 48C / 10MHz+20MHz

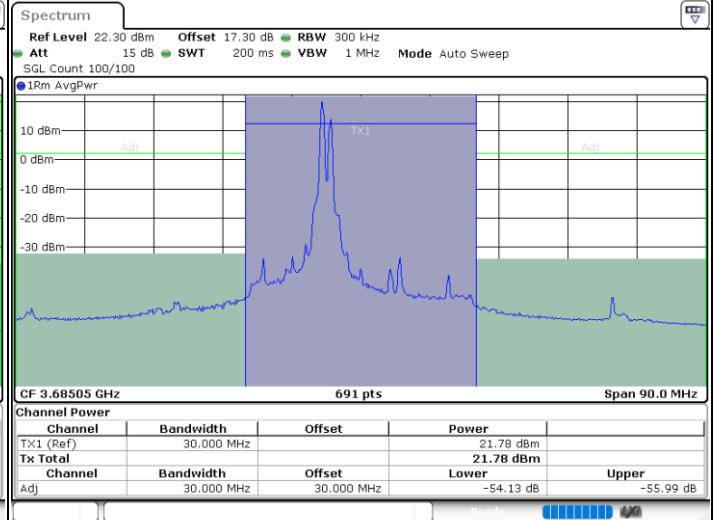
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB49 and 1RB0



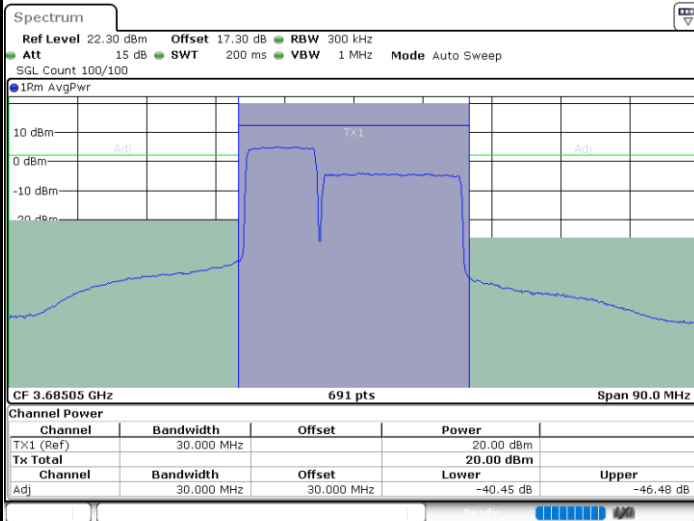
Date: 24.APR.2024 18:15:13



Date: 24.APR.2024 18:20:21

Highest Channel / FullIRB

N/A



Date: 24.APR.2024 18:14:29

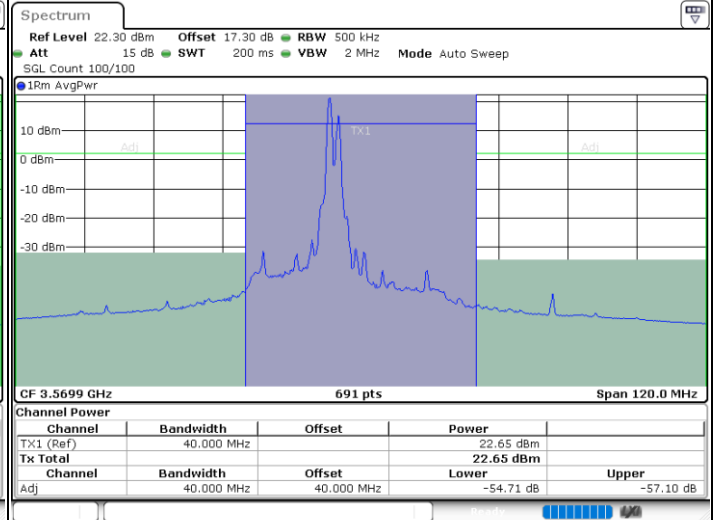
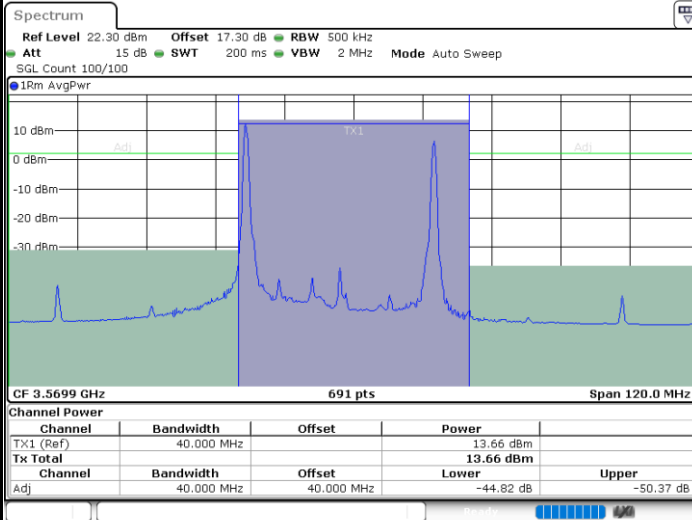


LTE Band 48C / 15MHz+20MHz

QPSK

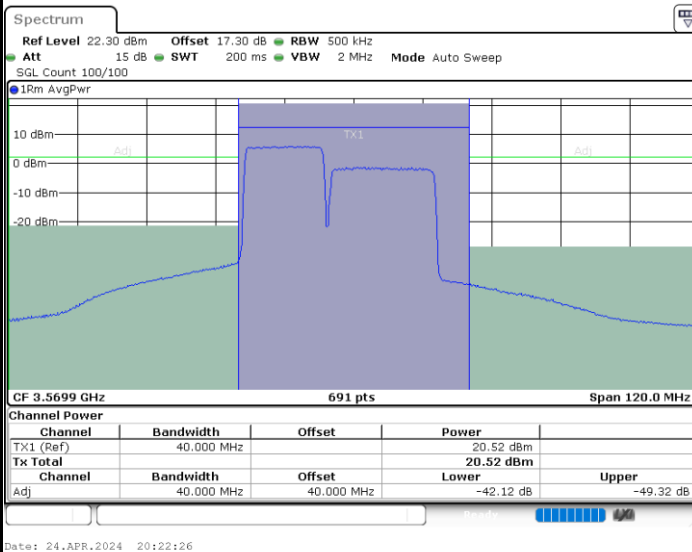
Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB74 and 1RB0



Lowest Channel / FullIRB

N/A



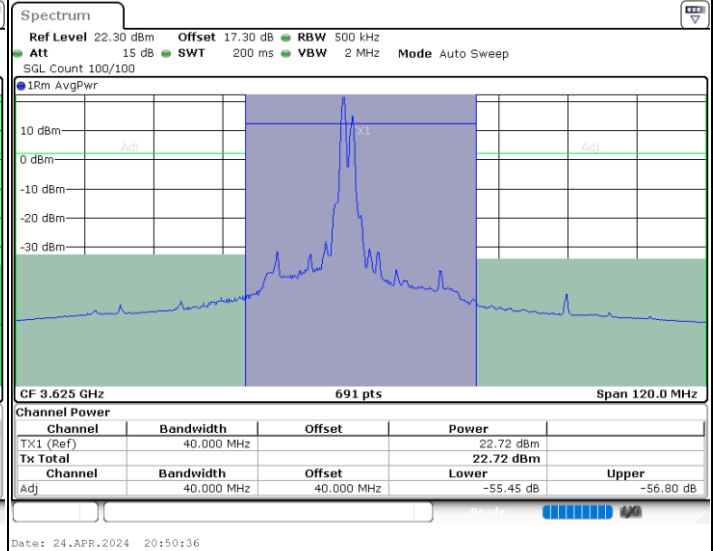
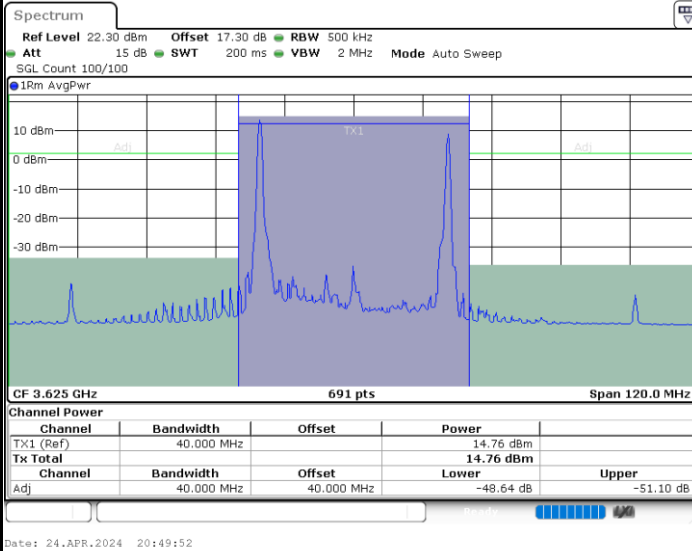


LTE Band 48C / 15MHz+20MHz

QPSK

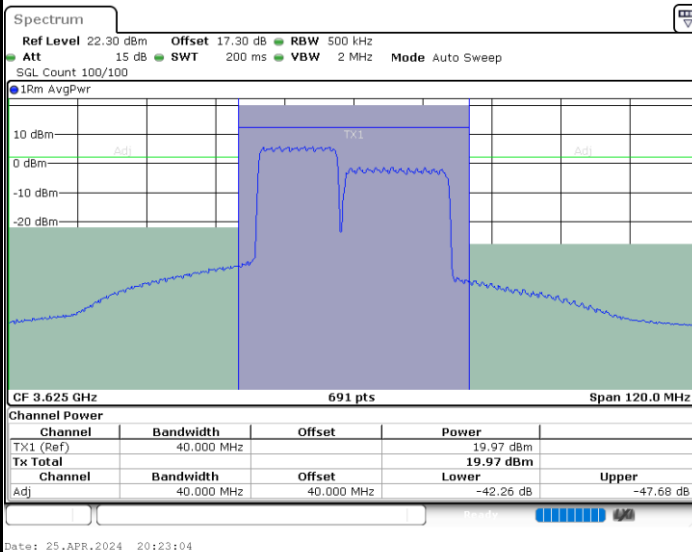
Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB74 and 1RB0



Middle Channel / FullRB

N/A



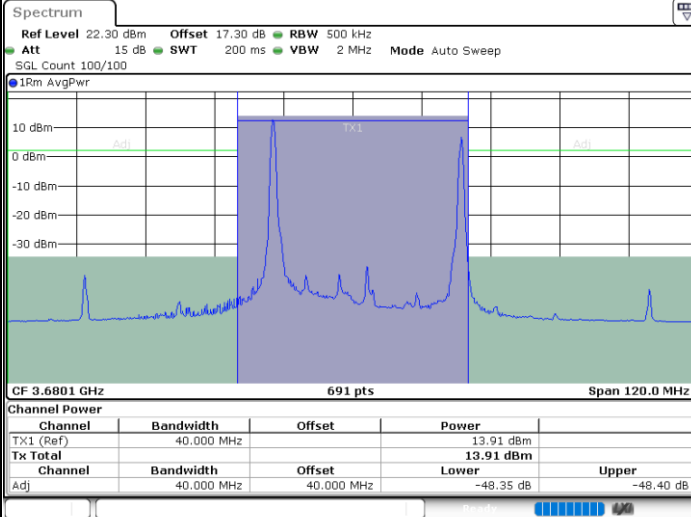


LTE Band 48C / 15MHz+20MHz

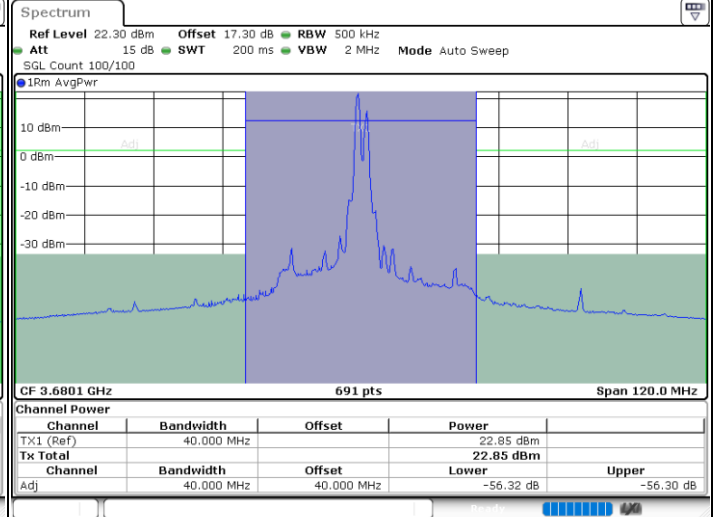
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB74 and 1RB0



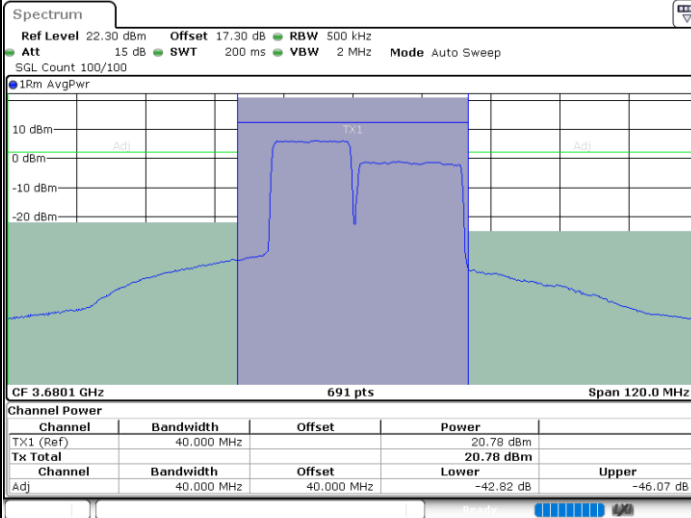
Date: 24.APR.2024 21:09:56



Date: 24.APR.2024 21:15:05

Highest Channel / FullIRB

N/A



Date: 24.APR.2024 21:09:11

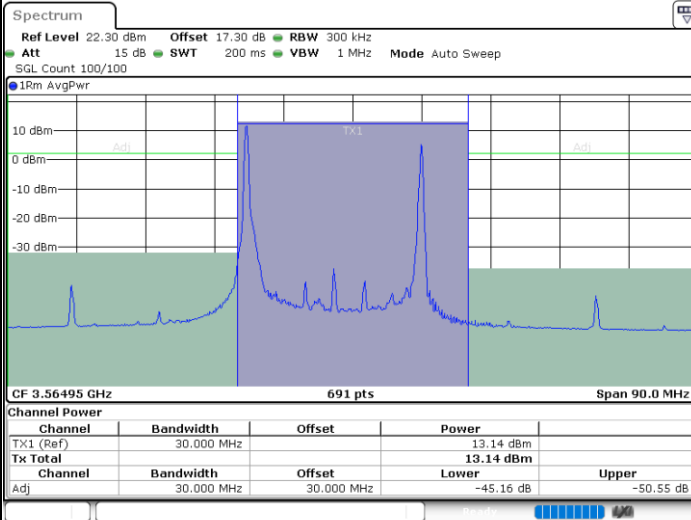


LTE Band 48C / 20MHz+5MHz

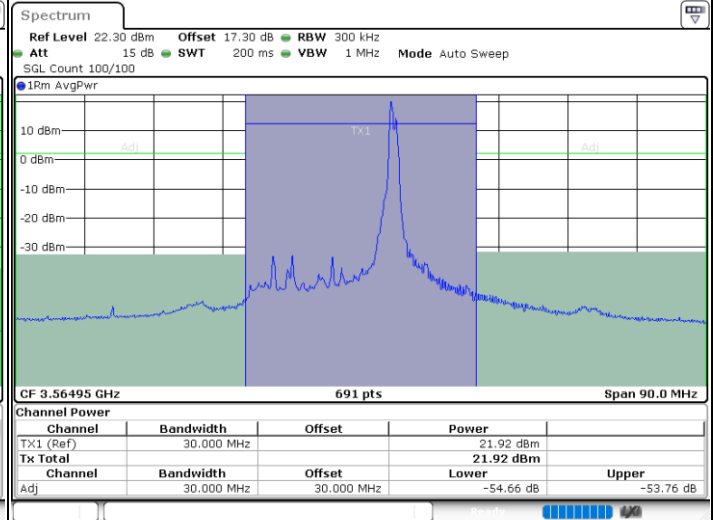
QPSK

Lowest Channel / 1RB0 and 1RB24

Lowest Channel / 1RB99 and 1RB0



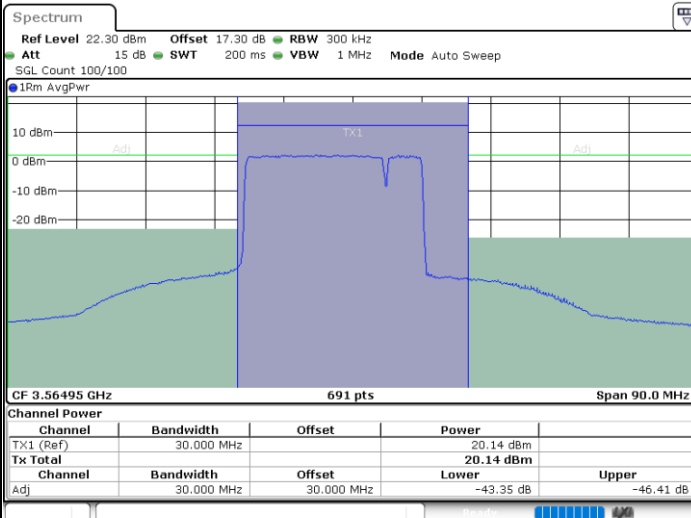
Date: 24.APR.2024 16:05:08



Date: 24.APR.2024 16:05:52

Lowest Channel / FullIRB

N/A



Date: 24.APR.2024 16:00:00