

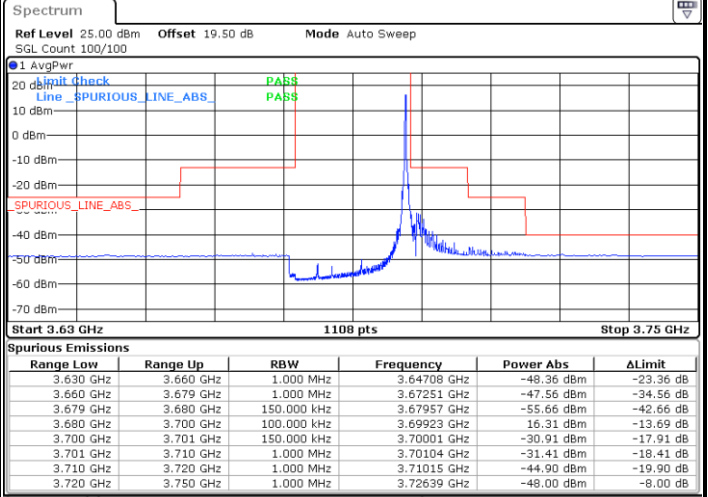
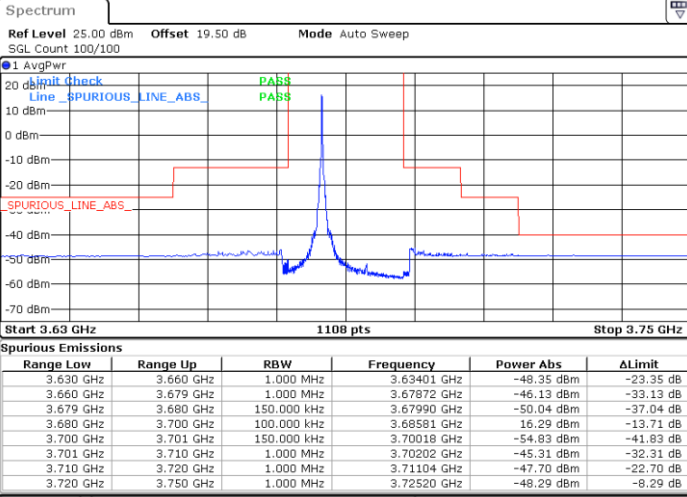


LTE Band 48 / 15MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

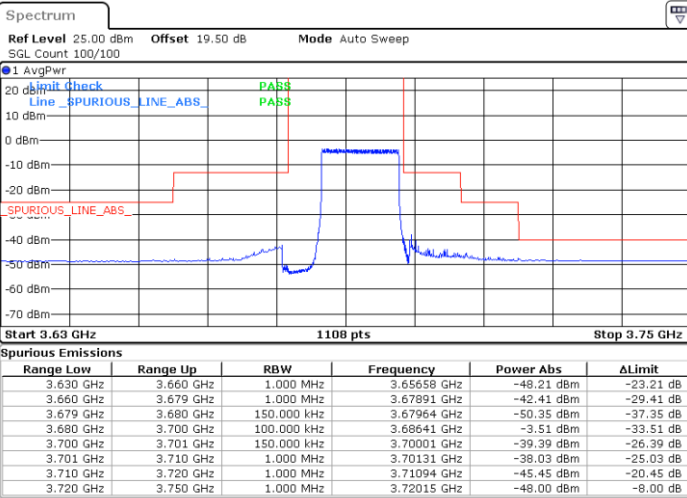


Date: 15.APR.2024 15:14:11

Date: 15.APR.2024 15:18:52

Highest Channel / FullRB

N/A



Date: 15.APR.2024 15:23:32

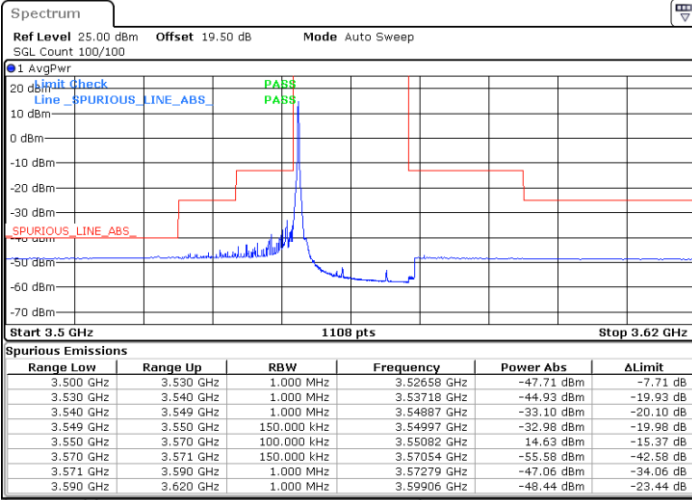


LTE Band 48 / 15MHz

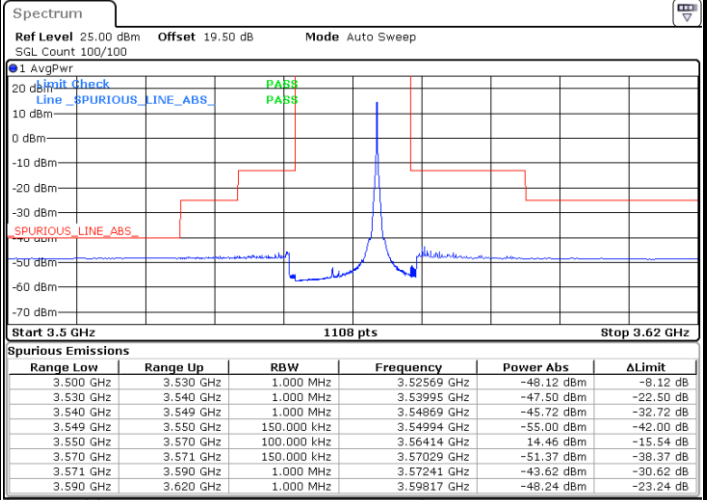
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



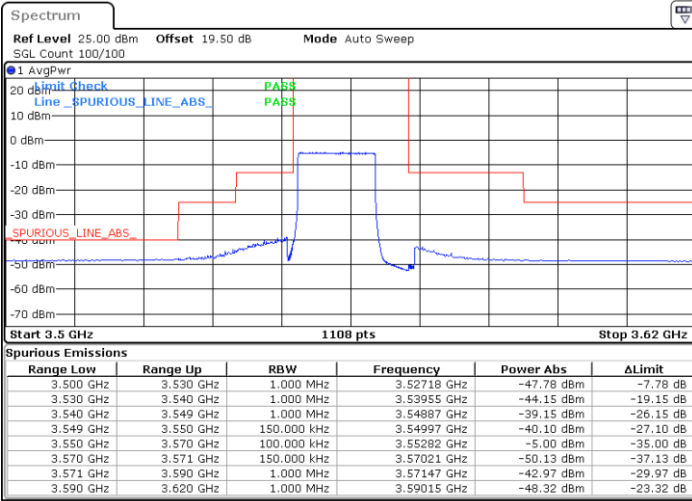
Date: 15.APR.2024 14:25:45



Date: 15.APR.2024 14:33:32

Lowest Channel / FullIRB

N/A



Date: 15.APR.2024 14:35:06

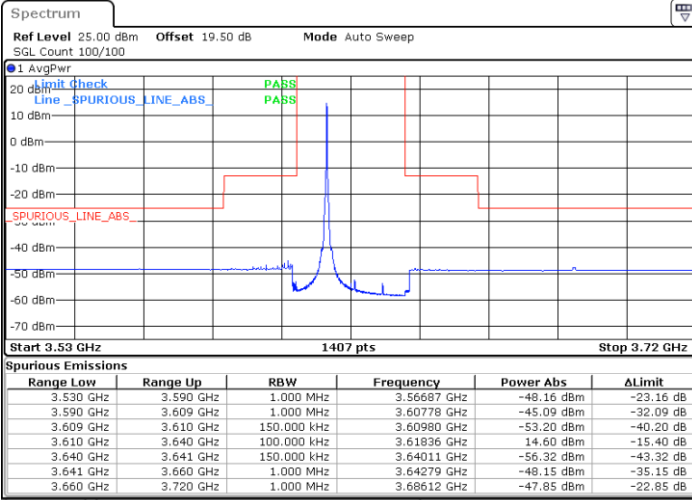


LTE Band 48 / 15MHz

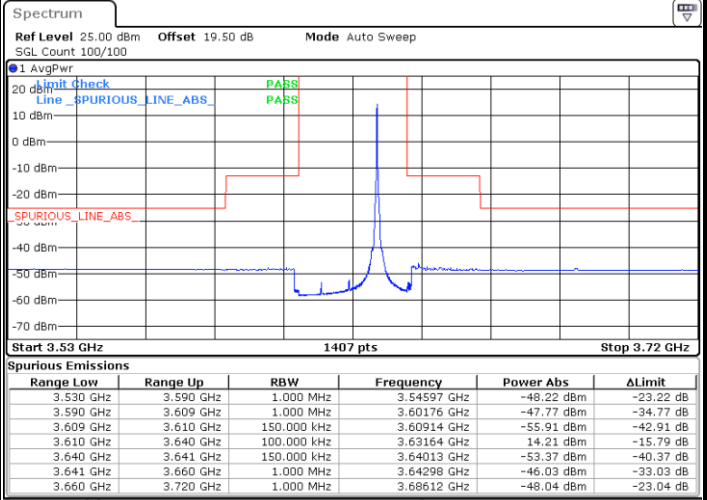
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



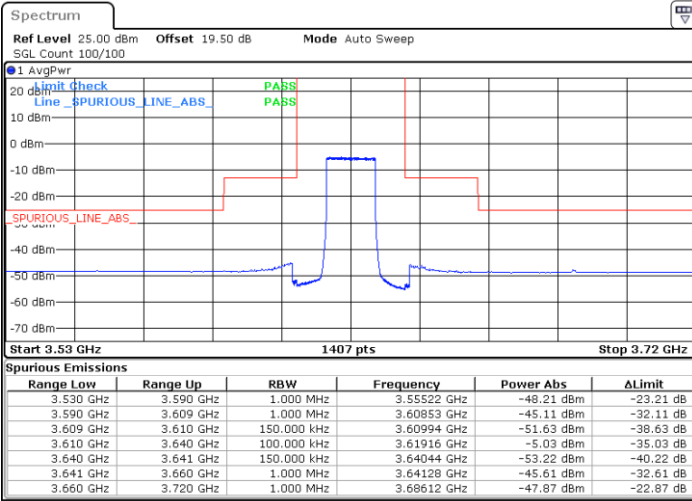
Date: 15.APR.2024 15:01:08



Date: 15.APR.2024 14:53:01

Middle Channel / FullIRB

N/A



Date: 15.APR.2024 14:51:24

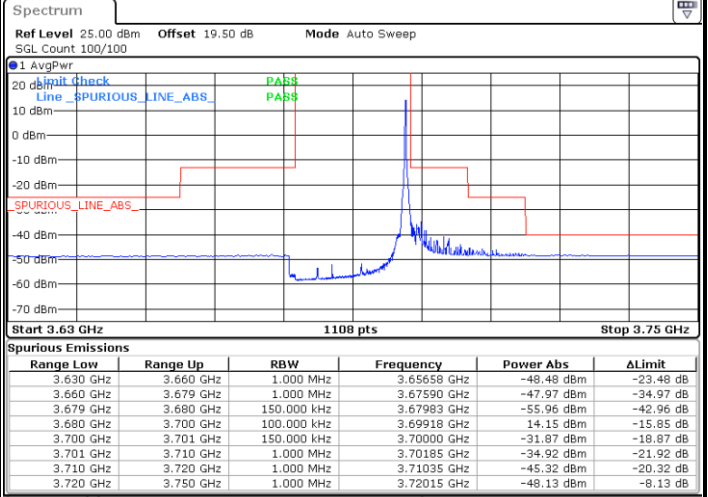
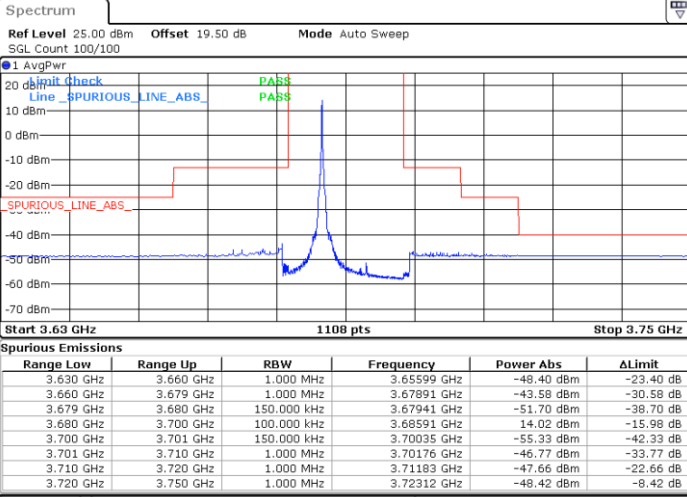


LTE Band 48 / 15MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

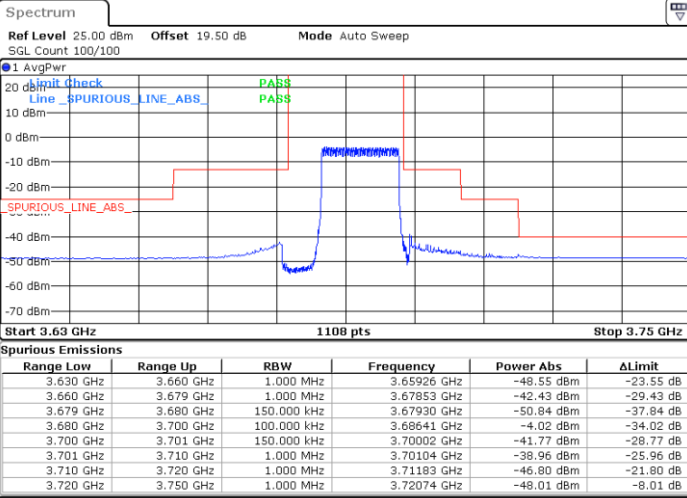


Date: 15.APR.2024 15:12:38

Date: 15.APR.2024 15:20:25

Highest Channel / FullRB

N/A



Date: 15.APR.2024 15:21:59

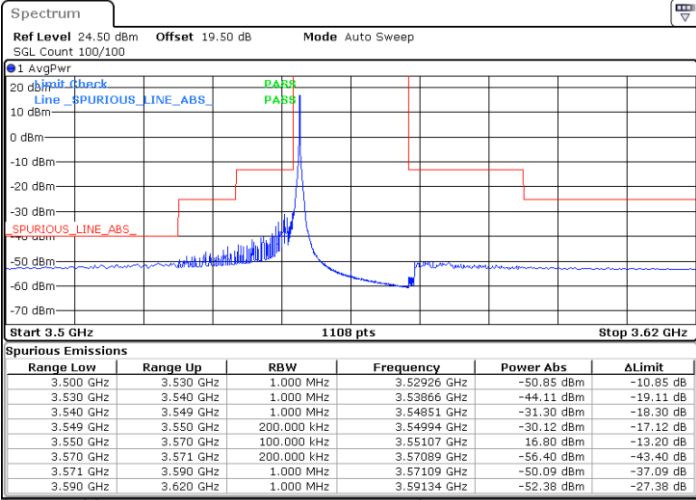


LTE Band 48 / 20MHz

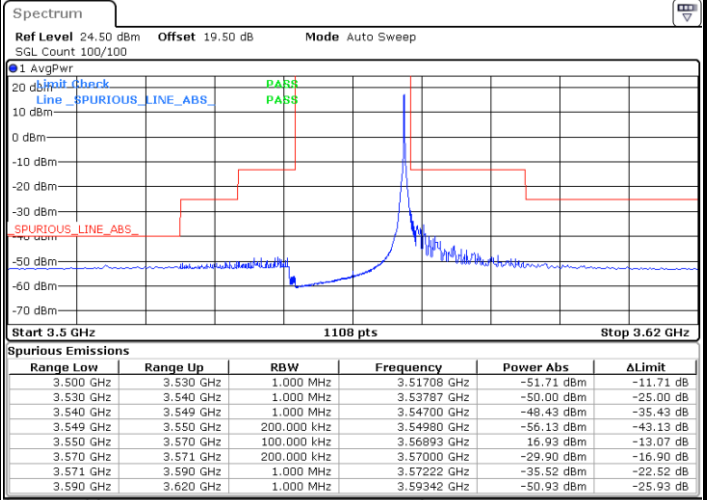
QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



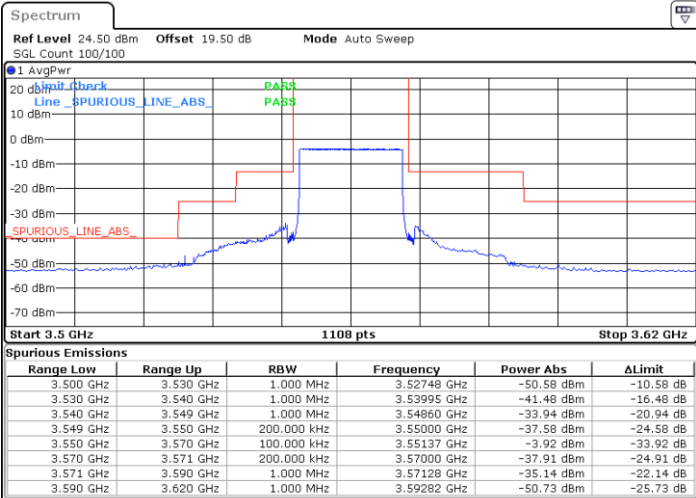
Date: 15.APR.2024 15:35:04



Date: 15.APR.2024 15:42:53

Lowest Channel / FullIRB

N/A



Date: 15.APR.2024 15:44:27

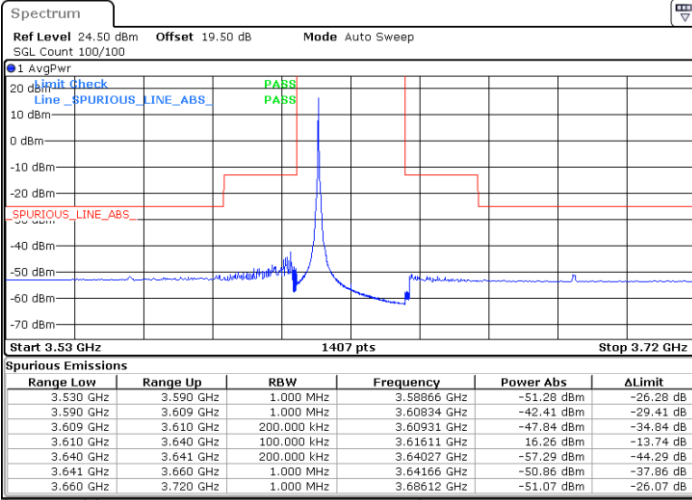


LTE Band 48 / 20MHz

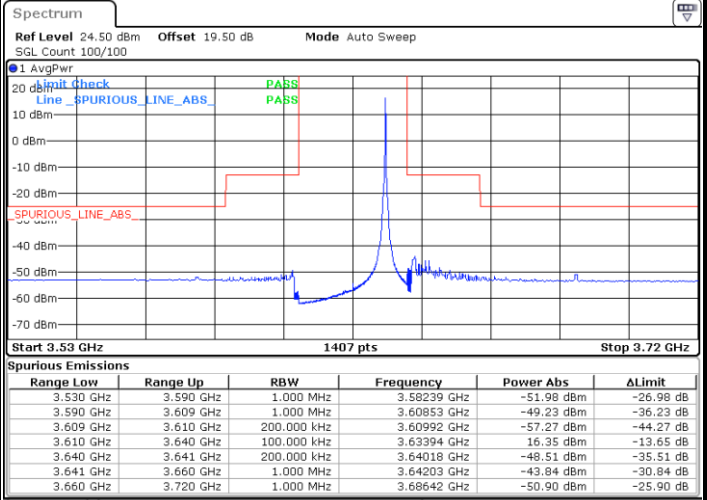
QPSK

Middle Channel / 1RB0

Middle Channel / 1RBmax



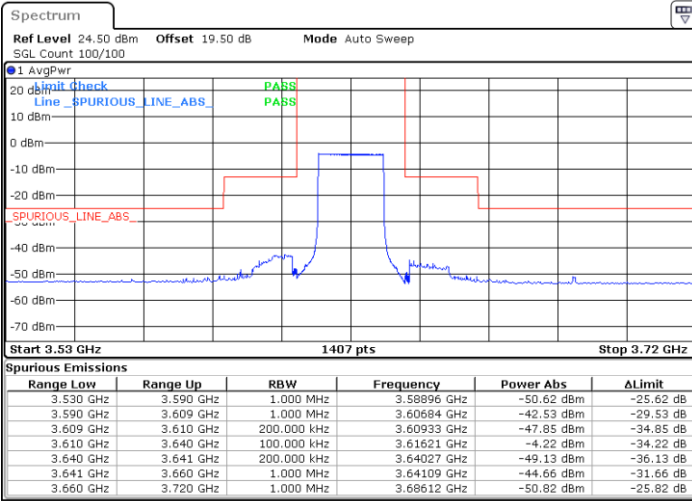
Date: 15.APR.2024 16:02:05



Date: 15.APR.2024 15:54:02

Middle Channel / FullRB

N/A



Date: 15.APR.2024 15:52:25

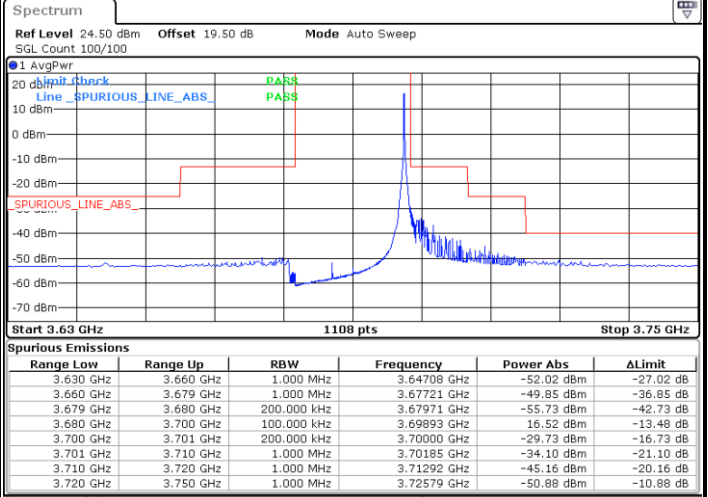
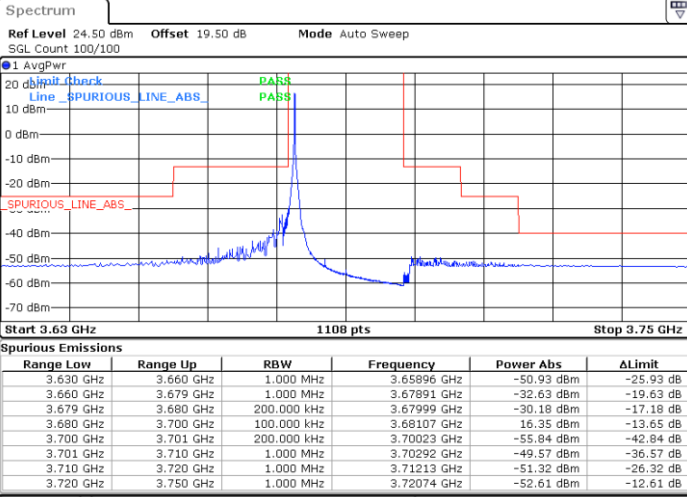


LTE Band 48 / 20MHz

QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax

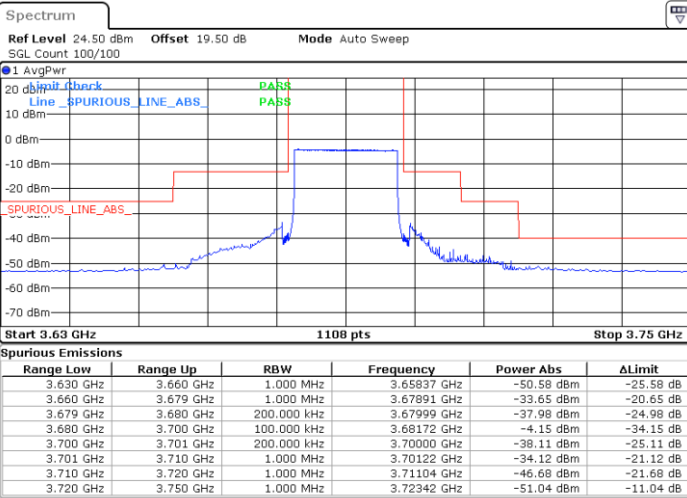


Date: 15.APR.2024 16:03:39

Date: 15.APR.2024 16:11:26

Highest Channel / FullRB

N/A



Date: 15.APR.2024 16:13:00

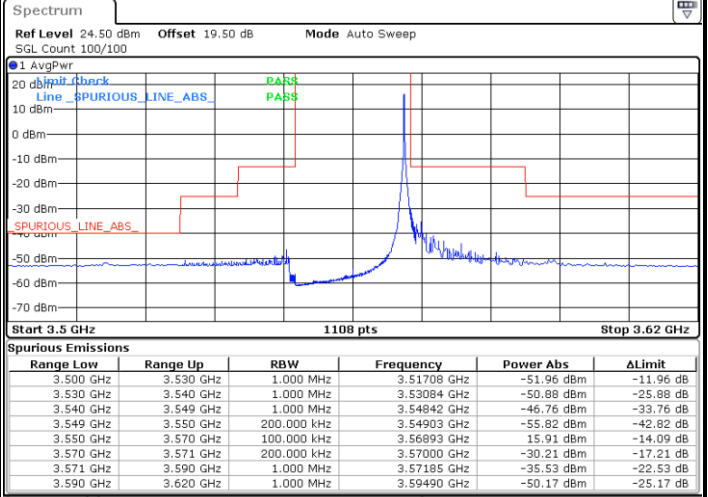
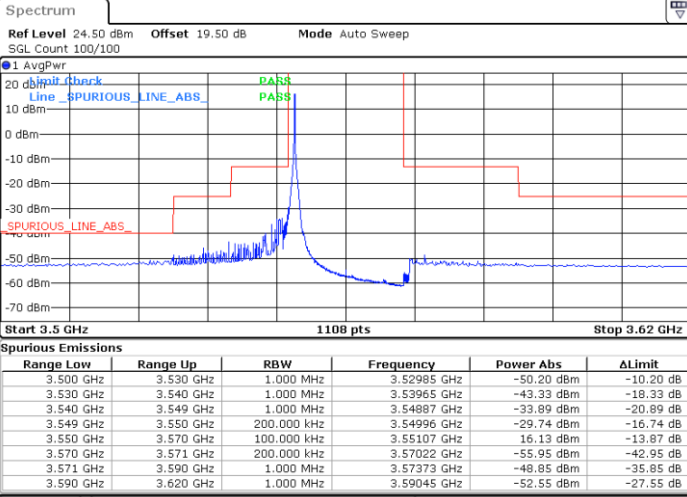


LTE Band 48 / 20MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

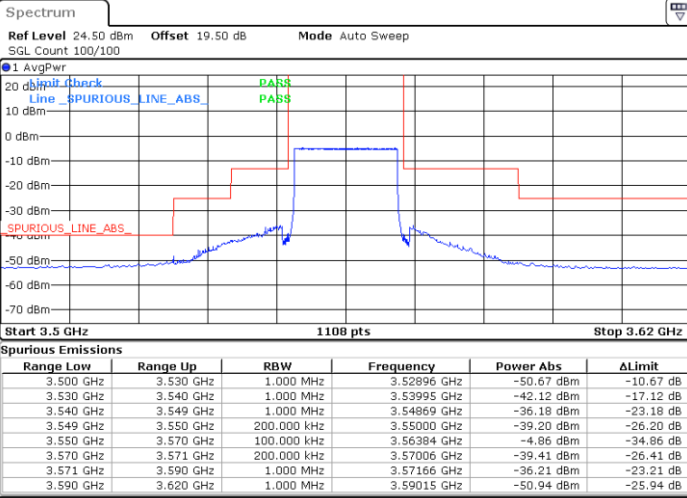


Date: 15.APR.2024 15:36:37

Date: 15.APR.2024 15:41:19

Lowest Channel / FullIRB

N/A



Date: 15.APR.2024 15:46:01

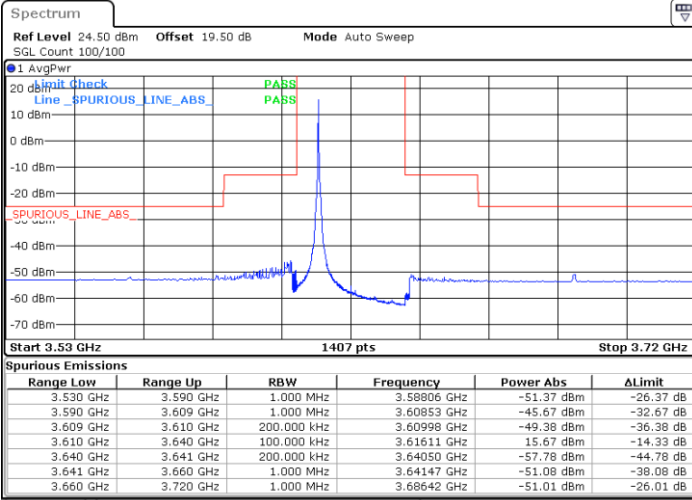


LTE Band 48 / 20MHz

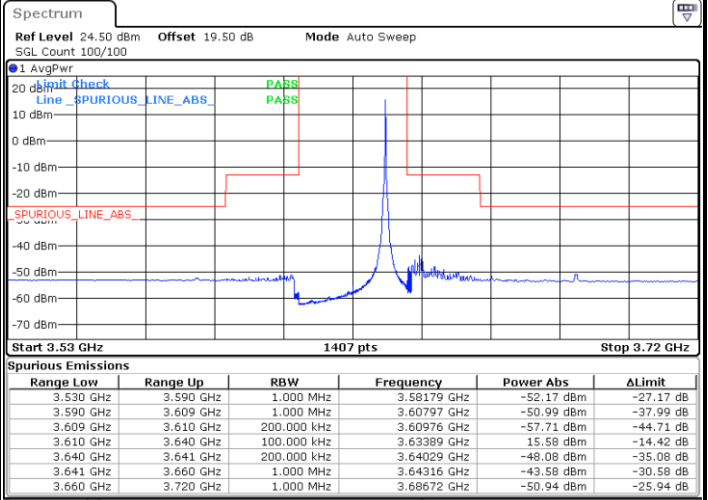
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



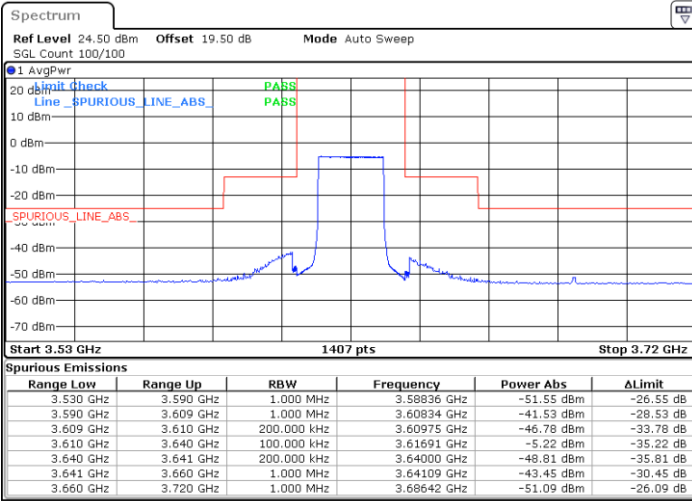
Date: 15.APR.2024 16:00:29



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

Middle Channel / FullRB

N/A



Date: 15.APR.2024 15:50:49

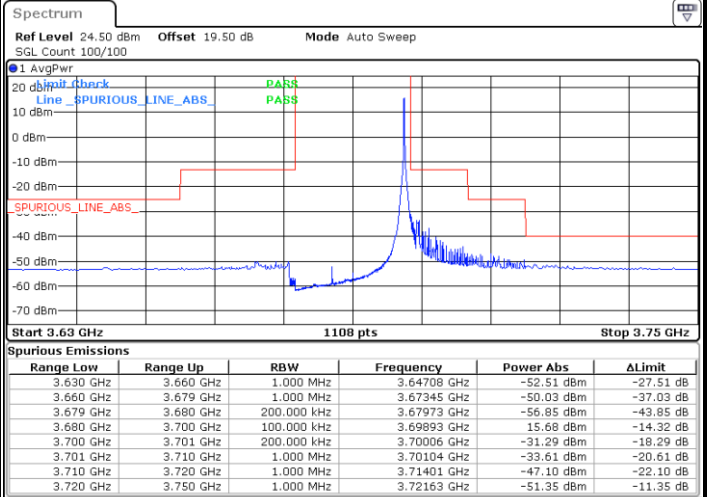
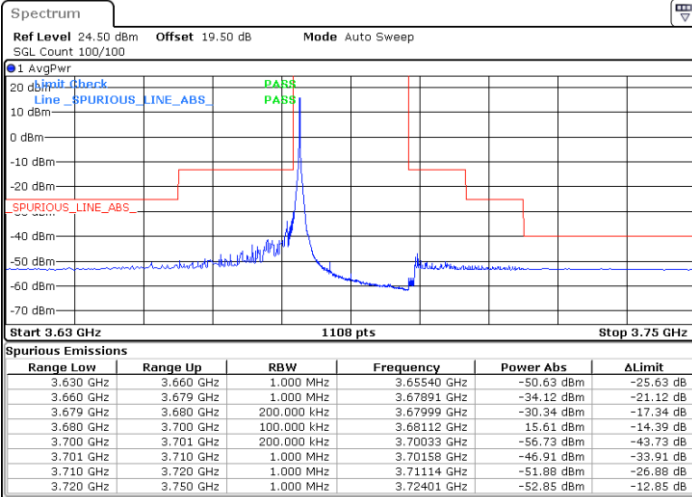


LTE Band 48 / 20MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

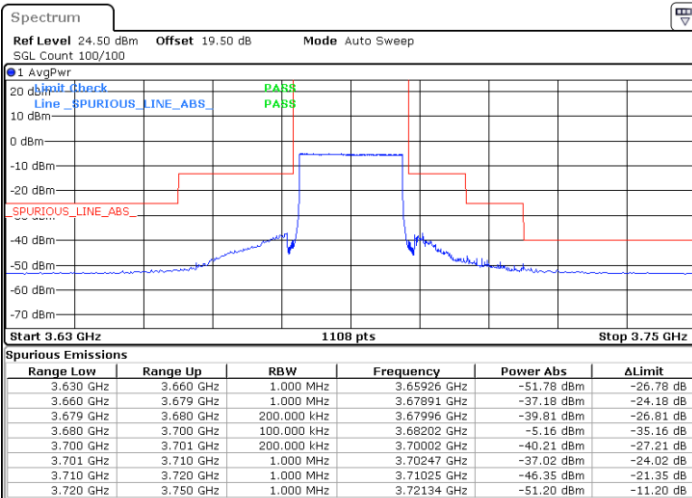


Date: 15.APR.2024 16:05:12

Date: 15.APR.2024 16:09:53

Highest Channel / FullRB

N/A



Date: 15.APR.2024 16:14:33

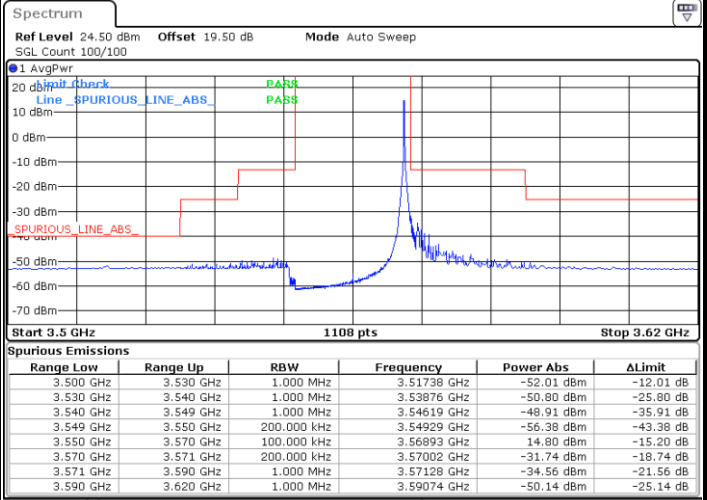
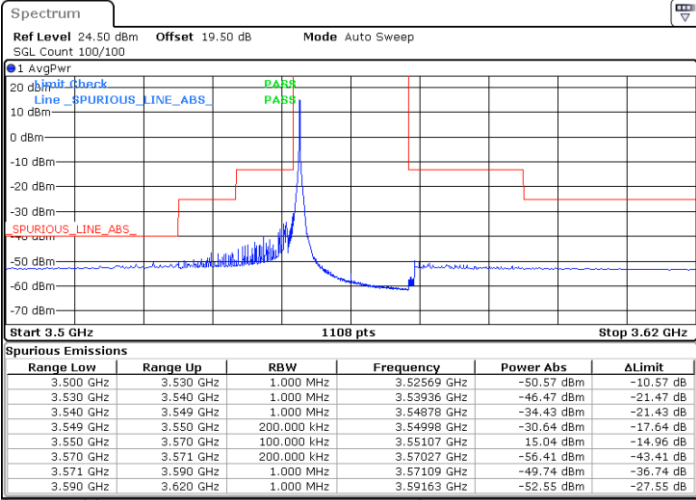


LTE Band 48 / 20MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

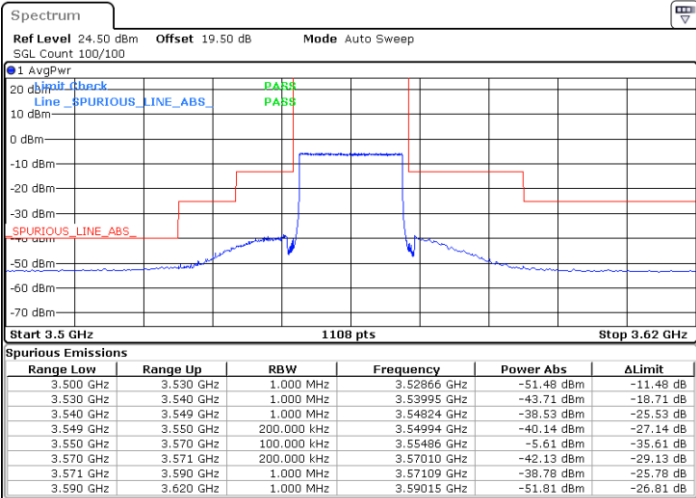


Date: 15.APR.2024 15:38:11

Date: 15.APR.2024 15:39:45

Lowest Channel / FullIRB

N/A



Date: 15.APR.2024 15:47:35

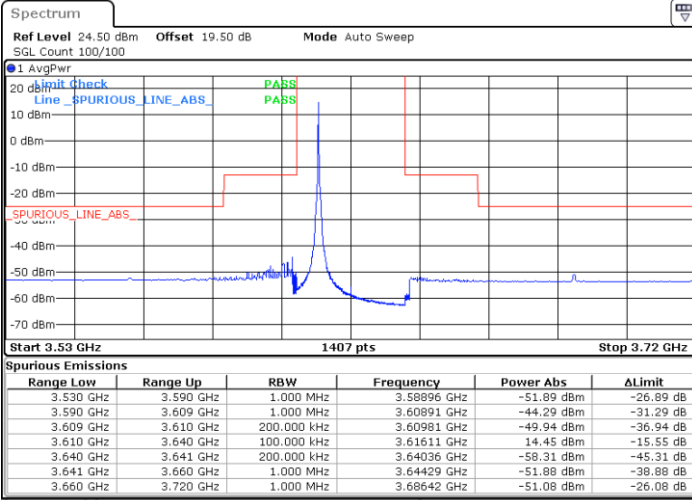


LTE Band 48 / 20MHz

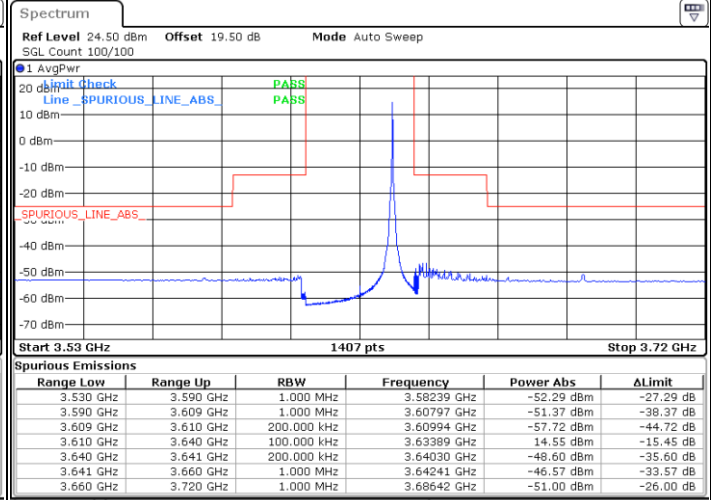
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



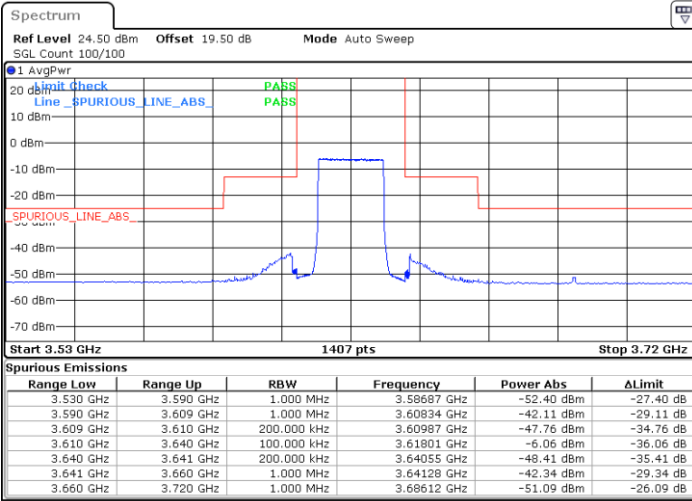
Date: 15.APR.2024 15:58:52



Date: 15.APR.2024 15:57:15

Middle Channel / FullRB

N/A



Date: 15.APR.2024 15:49:12

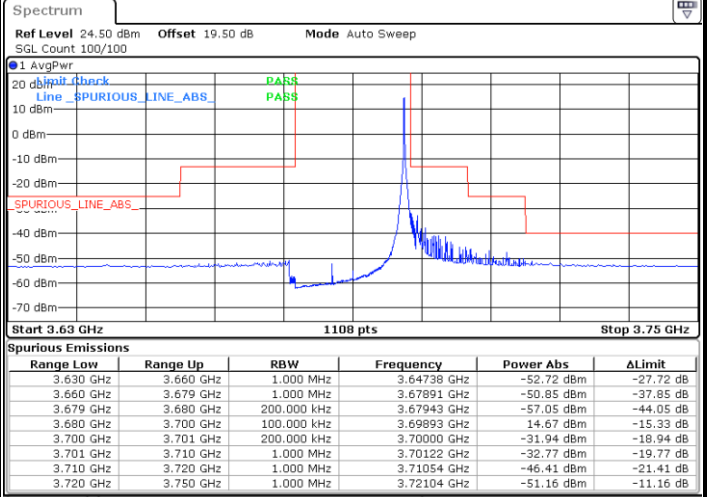
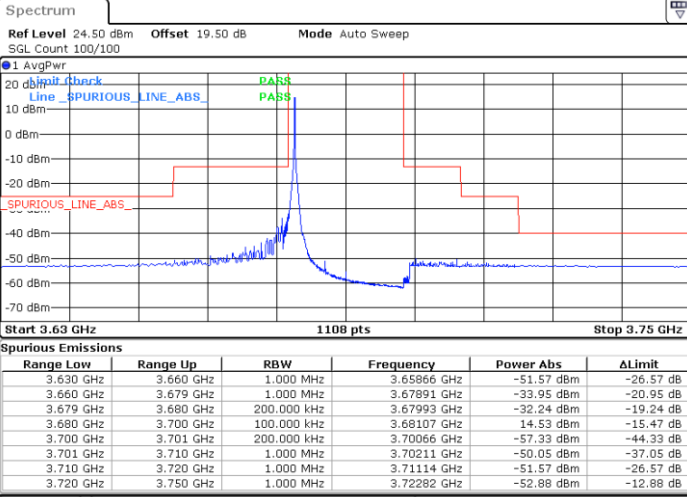


LTE Band 48 / 20MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

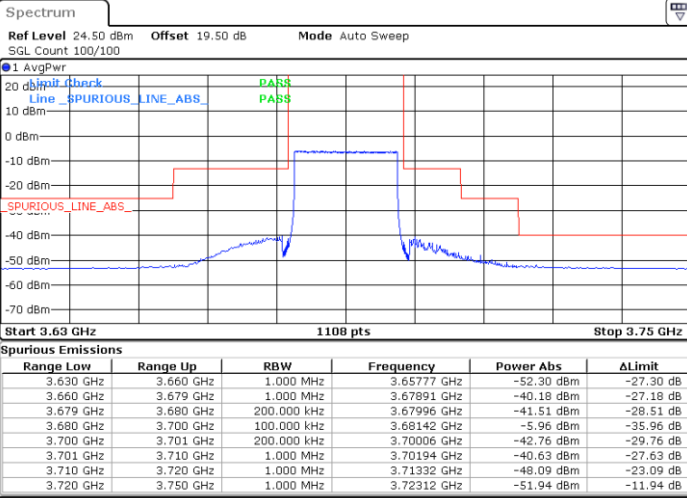


Date: 15.APR.2024 16:06:46

Date: 15.APR.2024 16:08:19

Highest Channel / FullRB

N/A



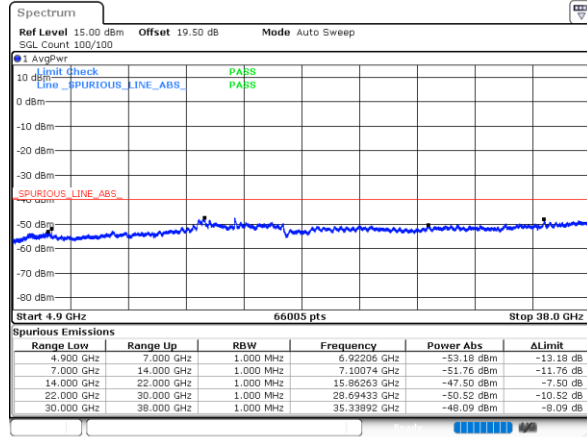
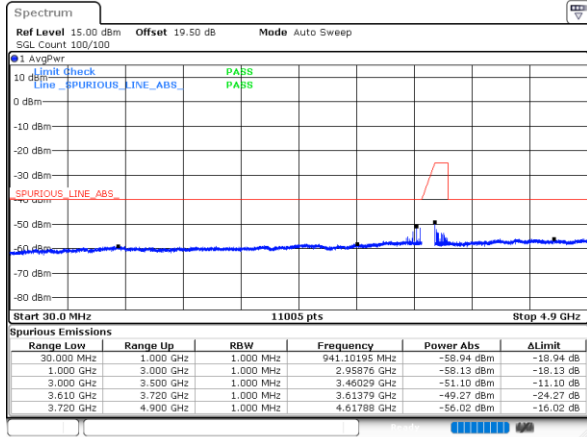
Date: 15.APR.2024 16:16:07



A2.5 Conducted Spurious Emission

LTE Band 48 / 5MHz

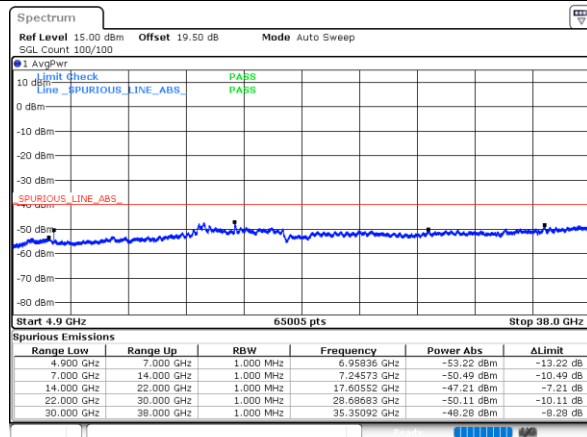
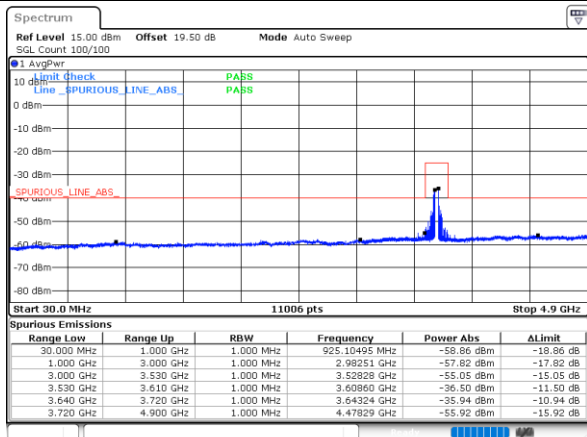
Lowest Channel / QPSK



Date: 15_APR.2024 12:18:02

Date: 15_APR.2024 16:42:46

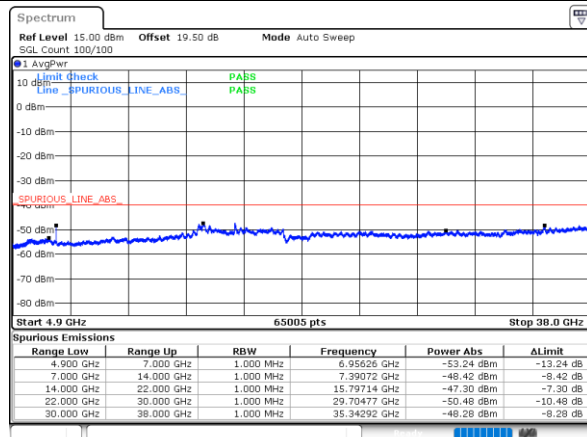
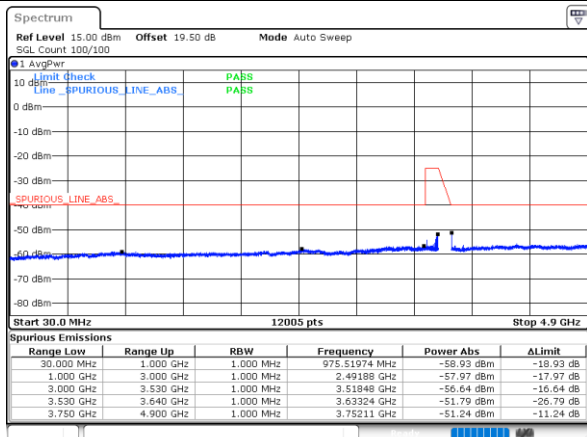
Middle Channel / QPSK



Date: 15_APR.2024 12:41:40

Date: 15_APR.2024 16:44:22

Highest Channel / QPSK



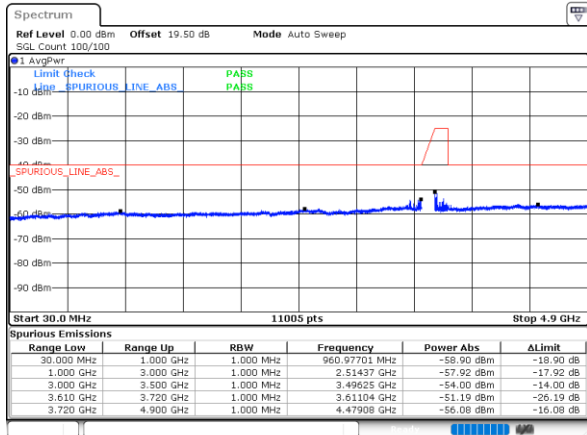
Date: 15_APR.2024 13:04:26

Date: 15_APR.2024 16:48:19

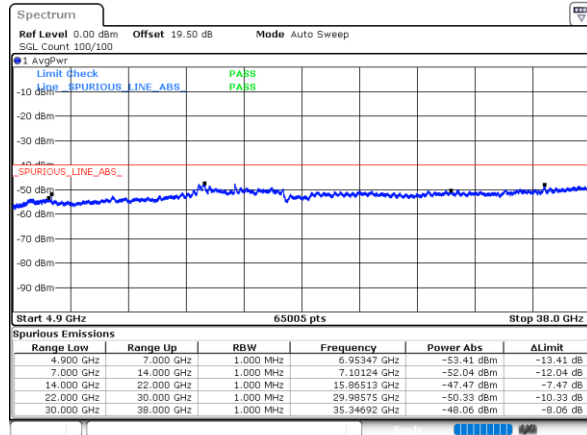


LTE Band 48 / 10MHz

Lowest Channel / QPSK

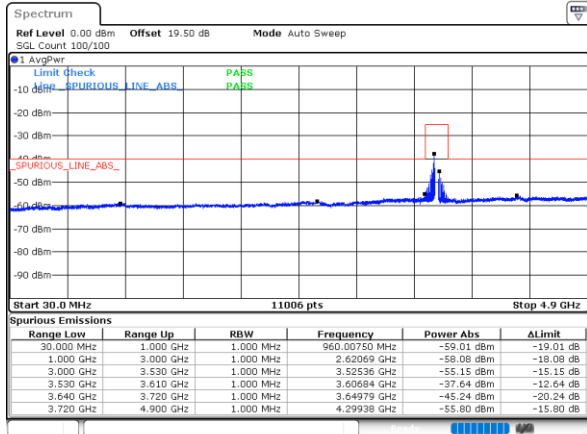


Date: 15.APR.2024 13:28:50

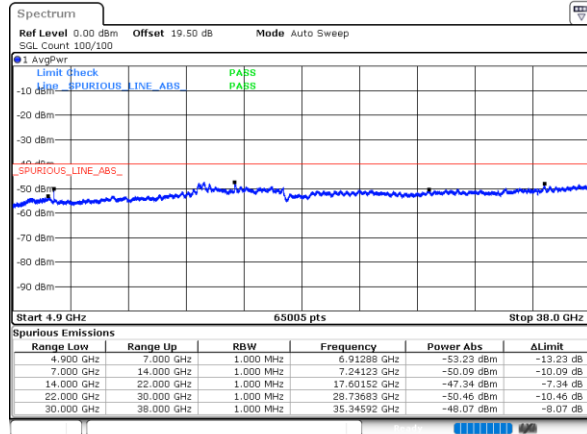


Date: 15.APR.2024 16:13:56

Middle Channel / QPSK

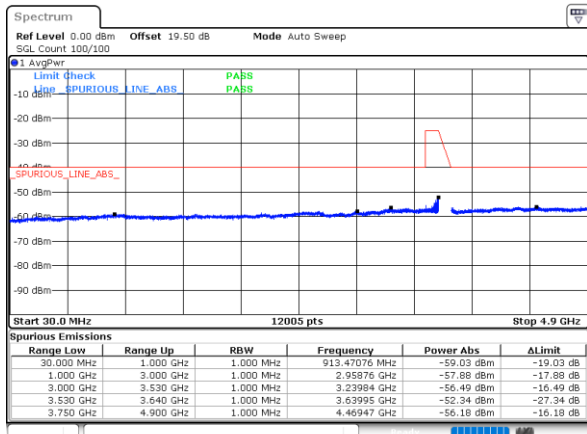


Date: 15.APR.2024 13:52:35

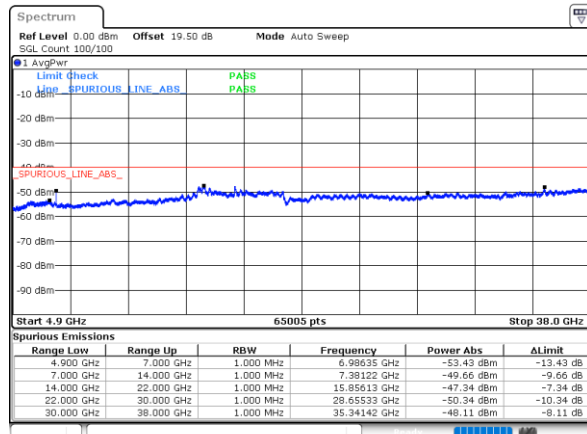


Date: 15.APR.2024 16:13:01

Highest Channel / QPSK



Date: 15.APR.2024 14:15:06

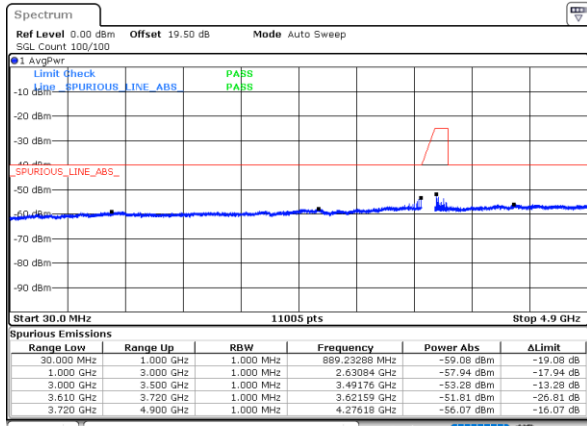


Date: 15.APR.2024 16:40:59

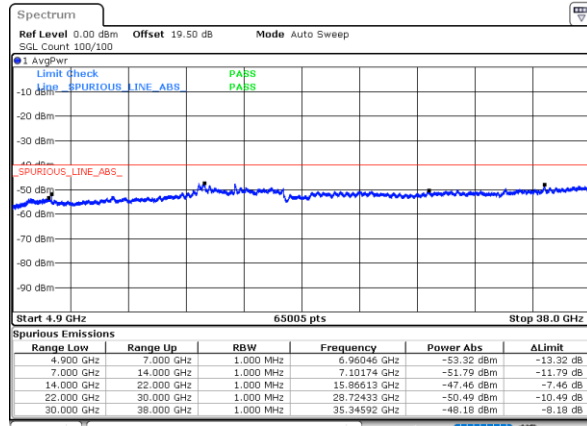


LTE Band 48 / 15MHz

Lowest Channel / QPSK

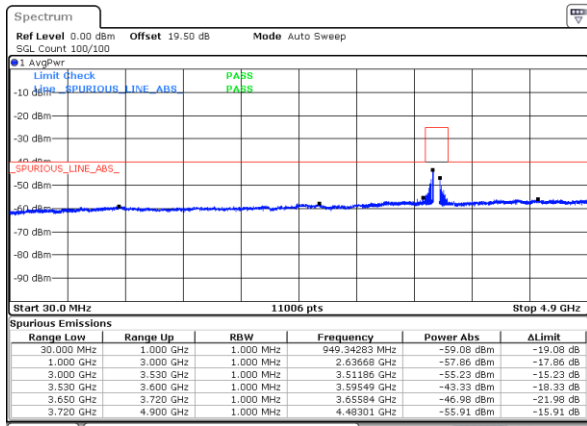


Date: 15.APR.2024 14:39:31

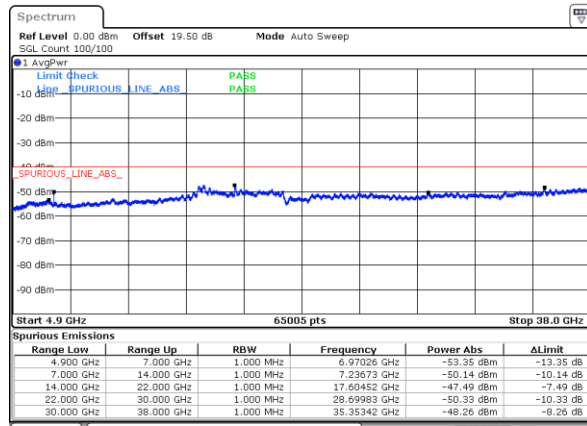


Date: 15.APR.2024 16:31:08

Middle Channel / QPSK

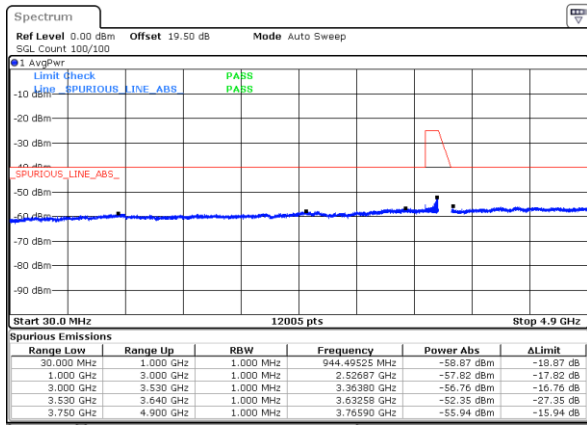


Date: 15.APR.2024 15:03:52

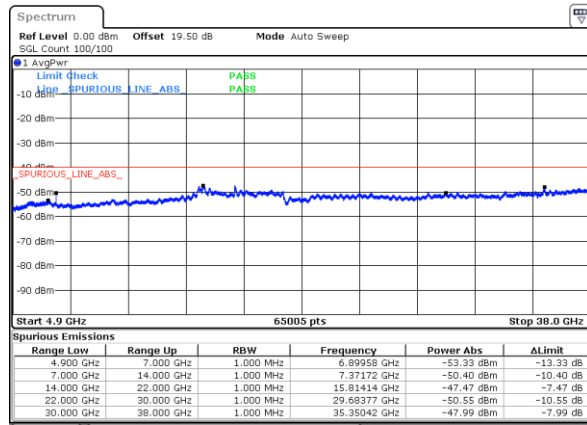


Date: 15.APR.2024 16:32:53

Highest Channel / QPSK



Date: 15.APR.2024 15:26:24

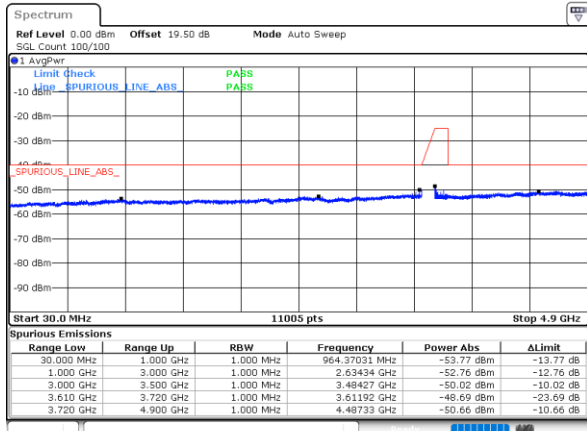


Date: 15.APR.2024 16:34:52

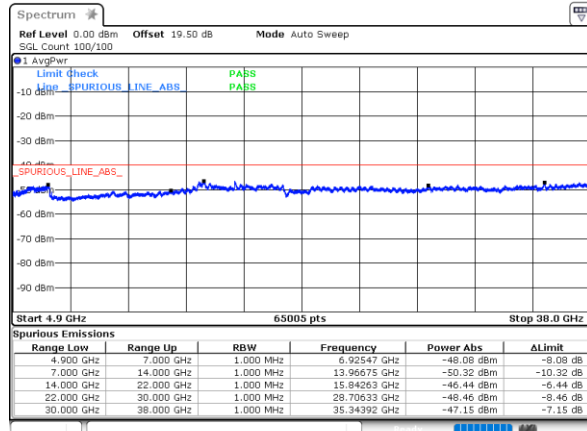


LTE Band 48 / 20MHz

Lowest Channel / QPSK

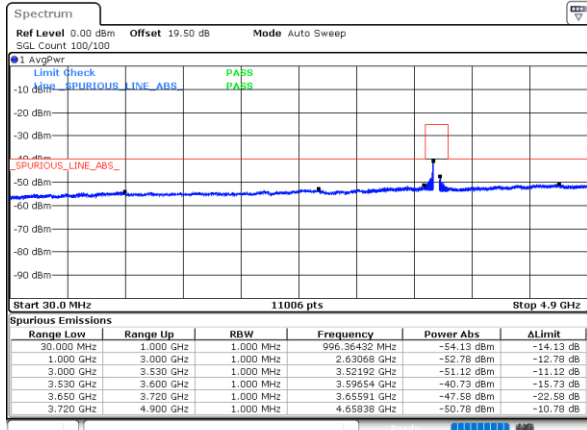


Date: 15.APR.2024 16:23:56

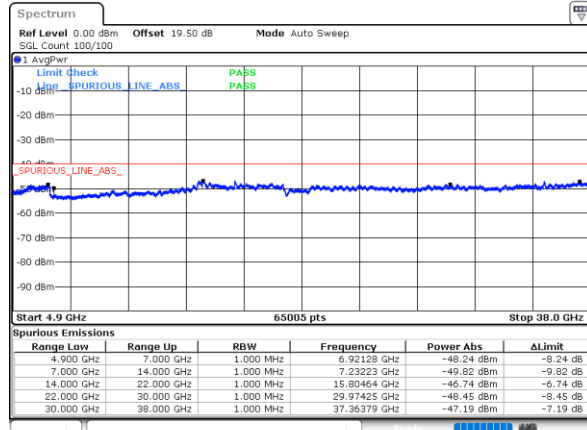


Date: 15.APR.2024 16:25:13

Middle Channel / QPSK

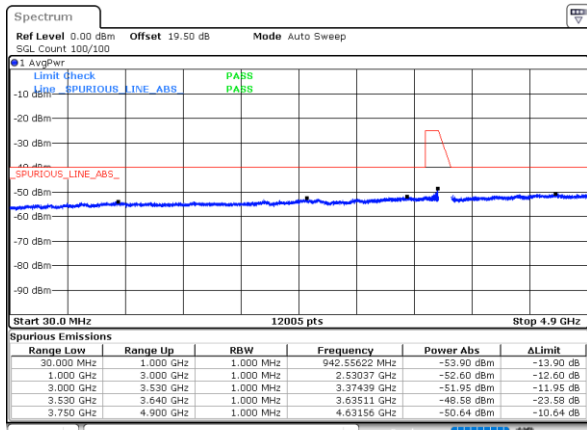


Date: 14.APR.2024 18:41:34

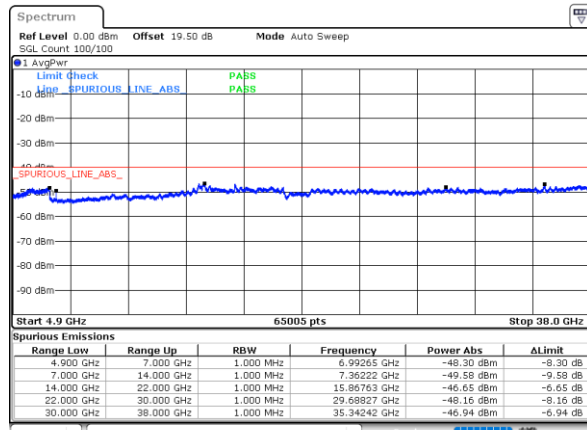


Date: 14.APR.2024 18:42:37

Highest Channel / QPSK



Date: 14.APR.2024 19:04:28



Date: 14.APR.2024 19:05:31



A2.6 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	Battery End Point	0.0004	

Note:

1. Normal Voltage = 12 V. ; Battery End Point (ACLRP) = 10.8 V. ; Maximum Voltage = 13.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



A3. LTE Band 48C

A3.1 26dB Bandwidth

Mode	LTE Band 48C : 26dB BW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.73	29.97	34.90	24.88
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	29.91	34.97	39.80	-

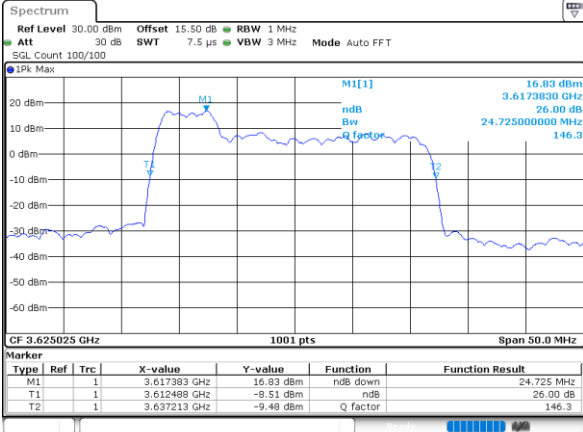
Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.73	29.79	34.76	25.03
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	34.90	39.96	-



LTE Band 48C

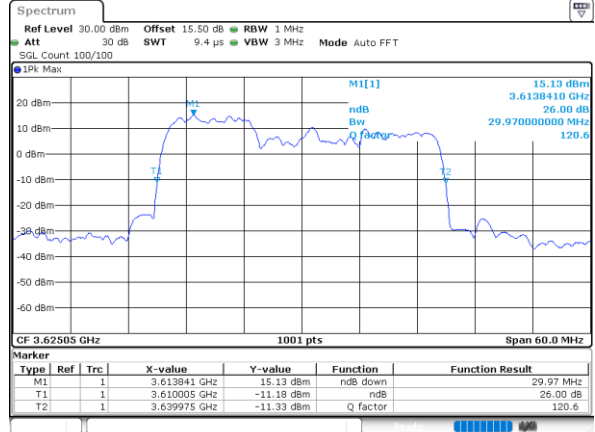
QPSK

Middle Channel / 5MHz+20MHz



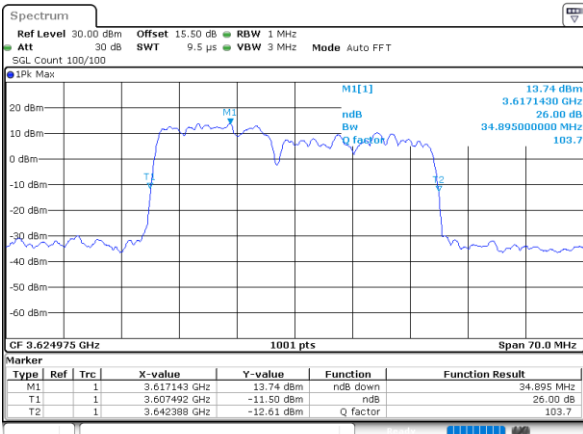
Date: 12.APR.2024 15:01:50

Middle Channel / 10MHz+20MHz



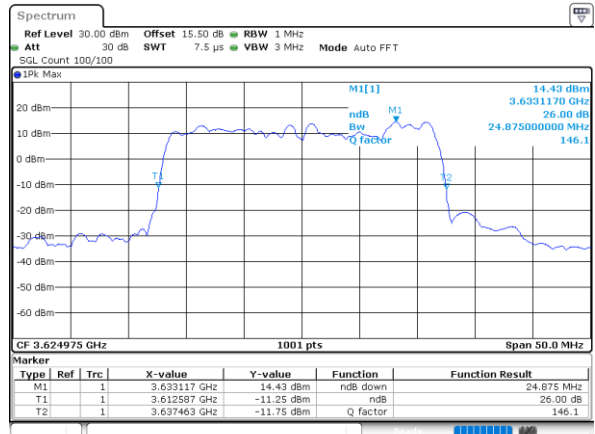
Date: 12.APR.2024 19:31:23

Middle Channel / 15MHz+20MHz



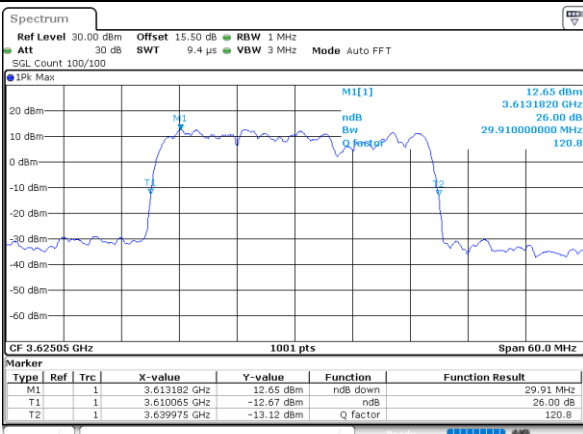
Date: 12.APR.2024 21:32:49

Middle Channel / 20MHz+5MHz



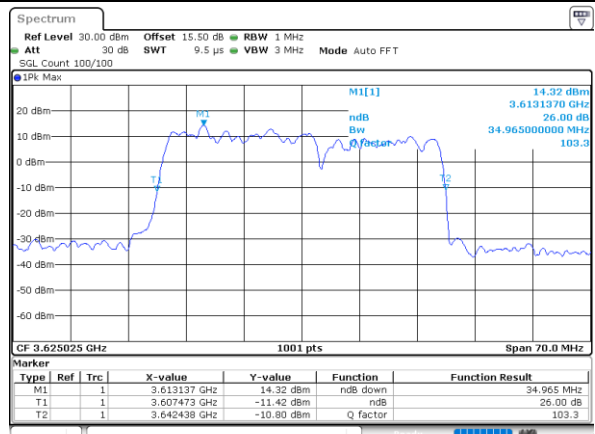
Date: 12.APR.2024 18:31:18

Middle Channel / 20MHz+10MHz



Date: 12.APR.2024 20:31:18

Middle Channel / 20MHz+15MHz



Date: 12.APR.2024 22:31:46

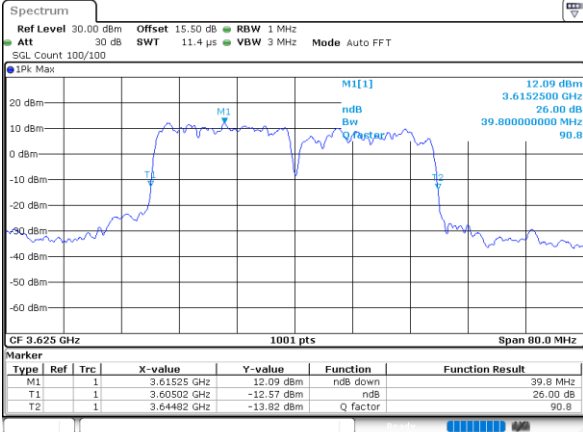


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A

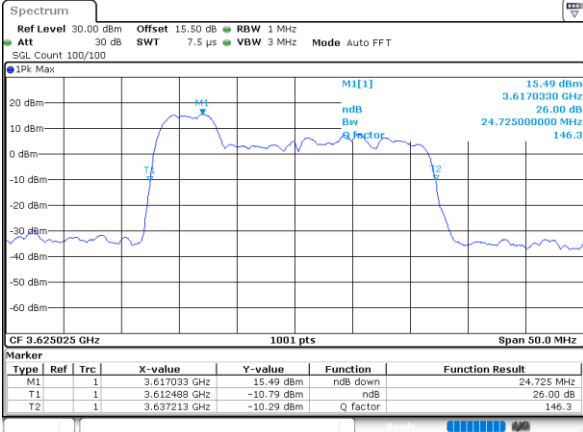




LTE Band 48C

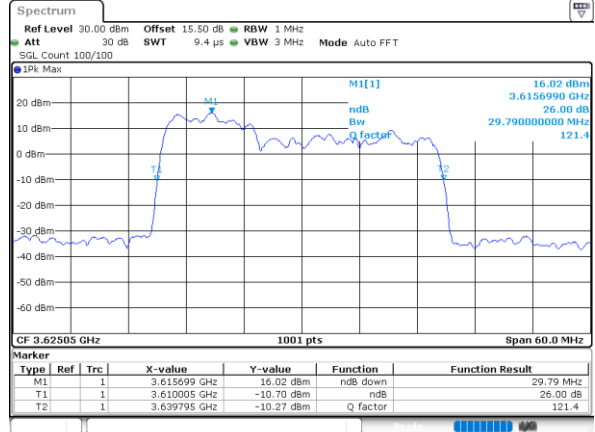
16QAM

Middle Channel / 5MHz+20MHz



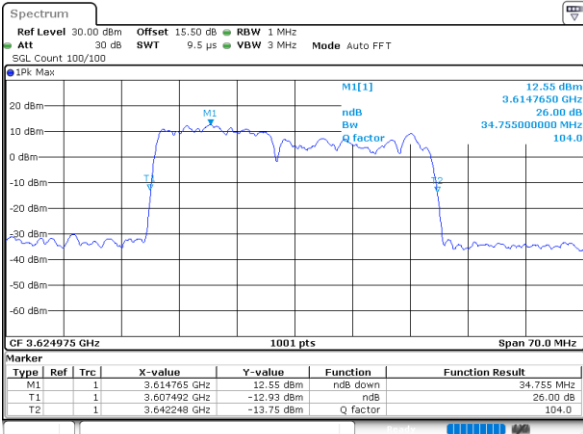
Date: 12.APR.2024 15:02:16

Middle Channel / 10MHz+20MHz



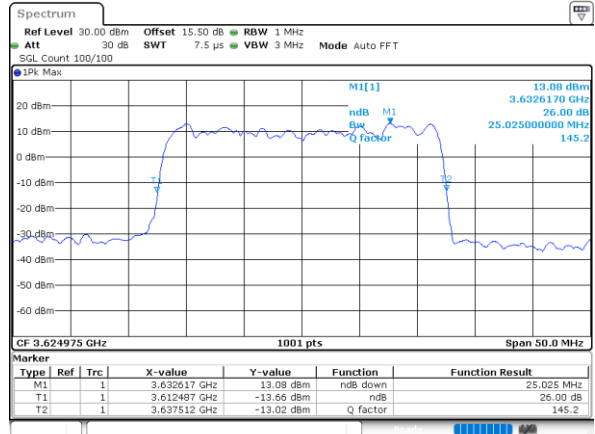
Date: 12.APR.2024 19:32:02

Middle Channel / 15MHz+20MHz



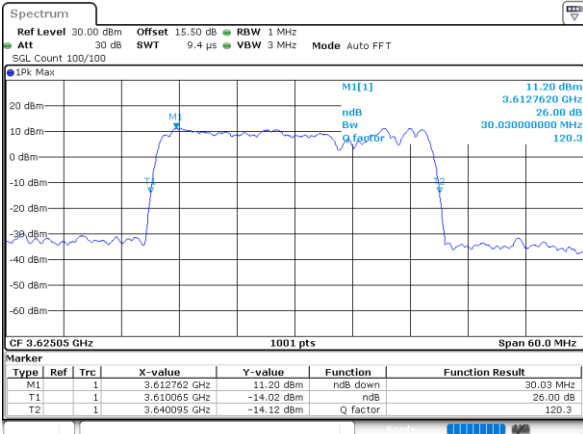
Date: 12.APR.2024 21:33:27

Middle Channel / 20MHz+5MHz



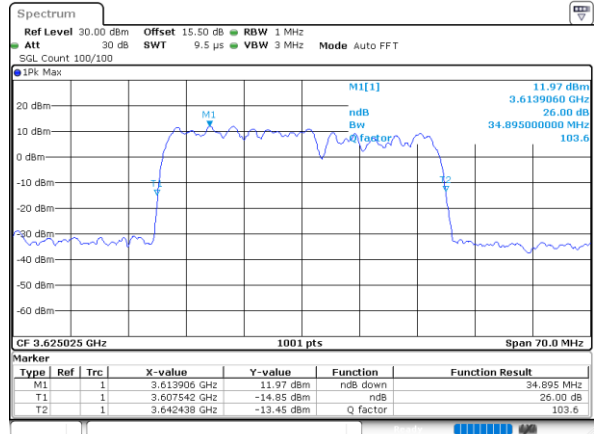
Date: 12.APR.2024 18:32:34

Middle Channel / 20MHz+10MHz



Date: 12.APR.2024 20:31:56

Middle Channel / 20MHz+15MHz



Date: 12.APR.2024 22:32:24

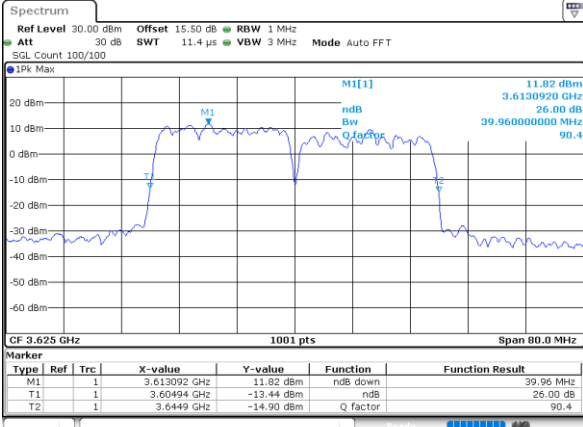


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 12_APR_2024 23:32:10



A3.2 Occupied Bandwidth

Mode	LTE Band 48C : 99%OBW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.18	27.93	32.66	23.33
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.05	32.80	37.72	-

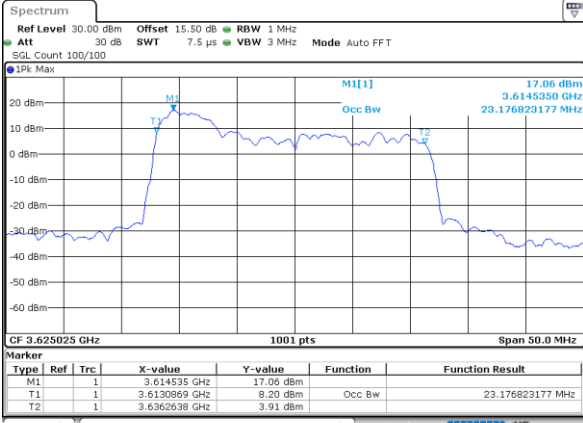
Mode	LTE Band 48C : 99%OBW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.13	27.75	32.45	23.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.11	33.01	37.80	-



LTE Band 48C

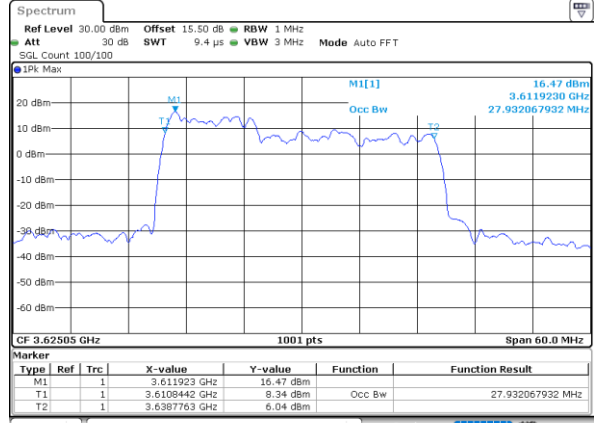
QPSK

Middle Channel / 5MHz+20MHz



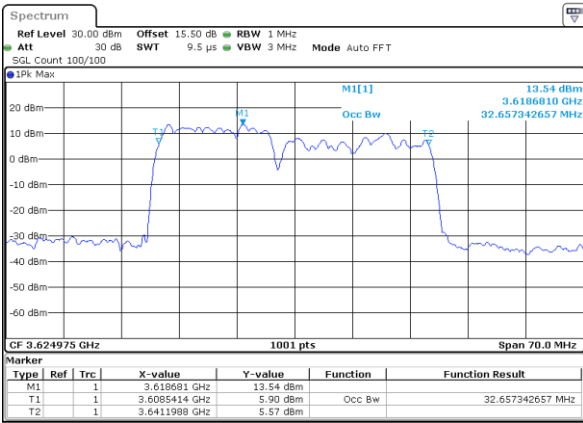
Date: 12.APR.2024 15:01:20

Middle Channel / 10MHz+20MHz



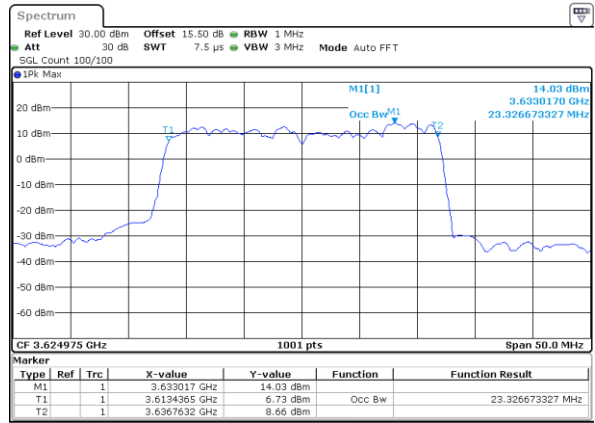
Date: 12.APR.2024 19:30:46

Middle Channel / 15MHz+20MHz



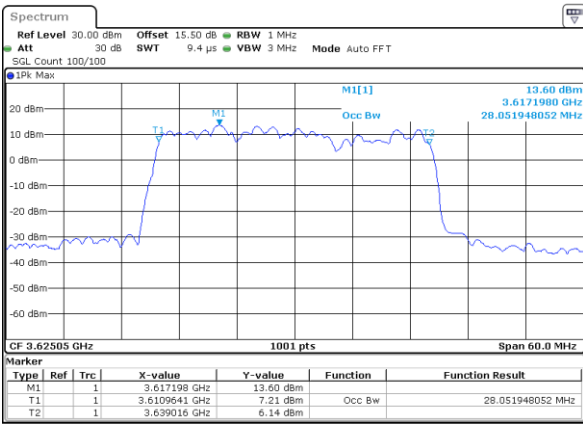
Date: 12.APR.2024 21:31:29

Middle Channel / 20MHz+5MHz



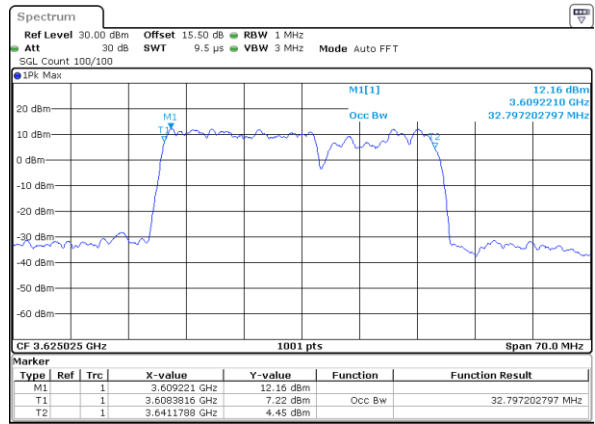
Date: 12.APR.2024 18:30:41

Middle Channel / 20MHz+10MHz



Date: 12.APR.2024 20:30:40

Middle Channel / 20MHz+15MHz



Date: 12.APR.2024 22:31:08

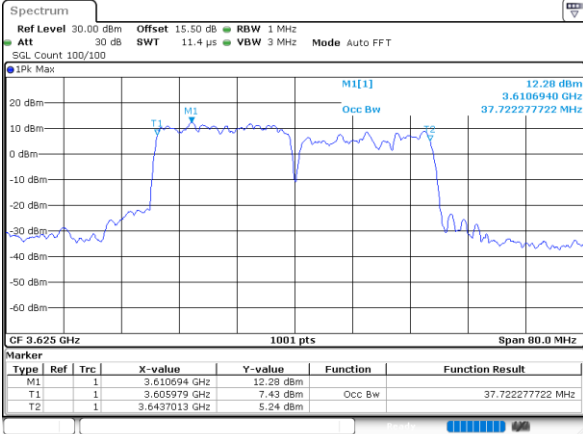


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A



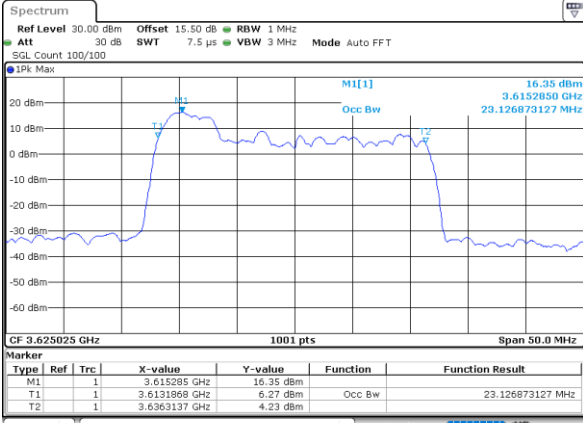
Date: 12_APR_2024 23:31:04



LTE Band 48C

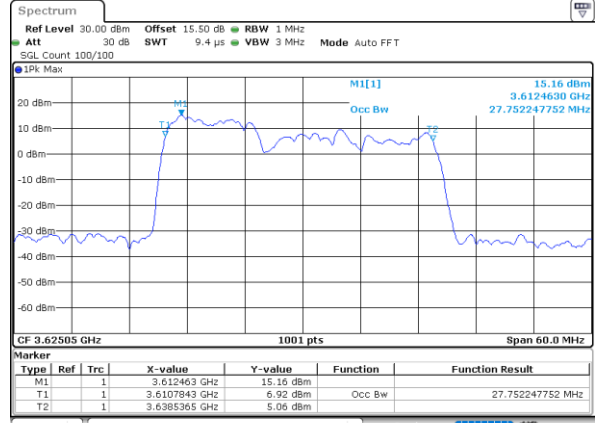
16QAM

Middle Channel / 5MHz+20MHz



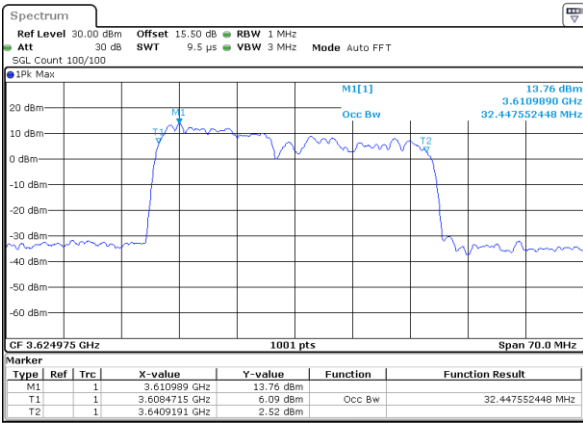
Date: 12.APR.2024 15:03:14

Middle Channel / 10MHz+20MHz



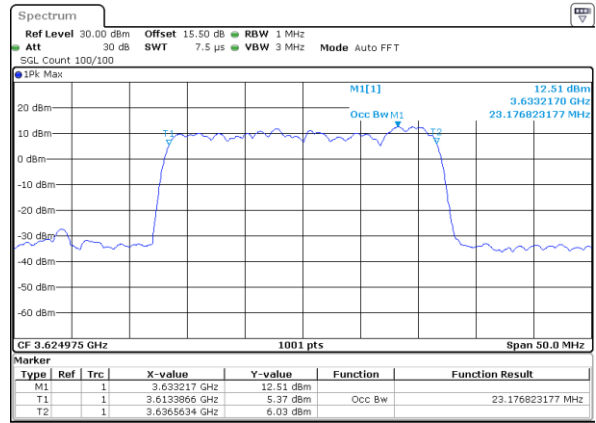
Date: 12.APR.2024 19:32:40

Middle Channel / 15MHz+20MHz



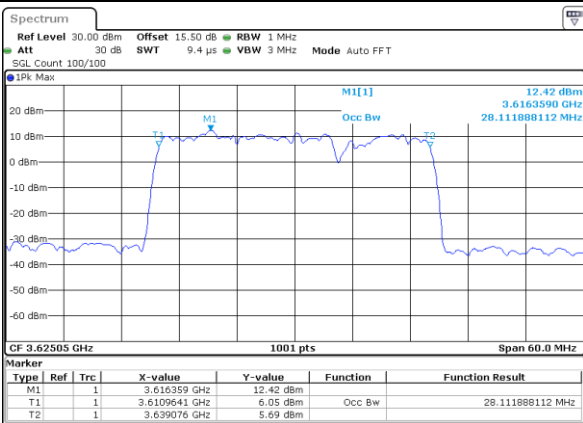
Date: 12.APR.2024 21:34:08

Middle Channel / 20MHz+5MHz



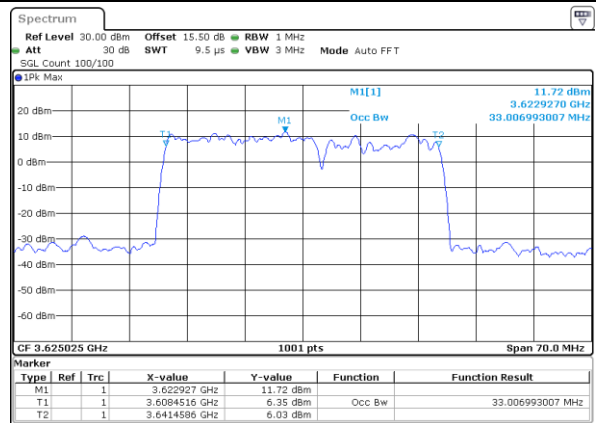
Date: 12.APR.2024 18:33:12

Middle Channel / 20MHz+10MHz



Date: 12.APR.2024 20:32:34

Middle Channel / 20MHz+15MHz



Date: 12.APR.2024 22:33:02

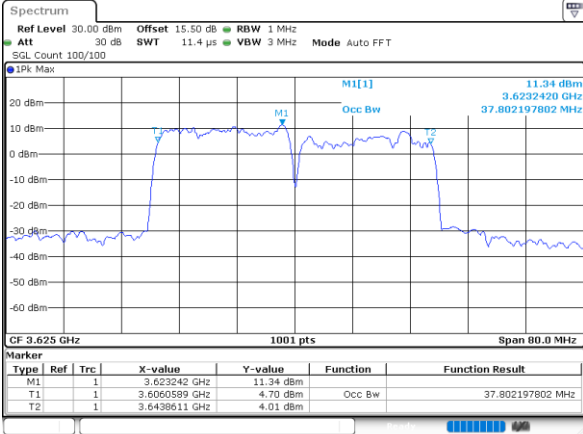


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

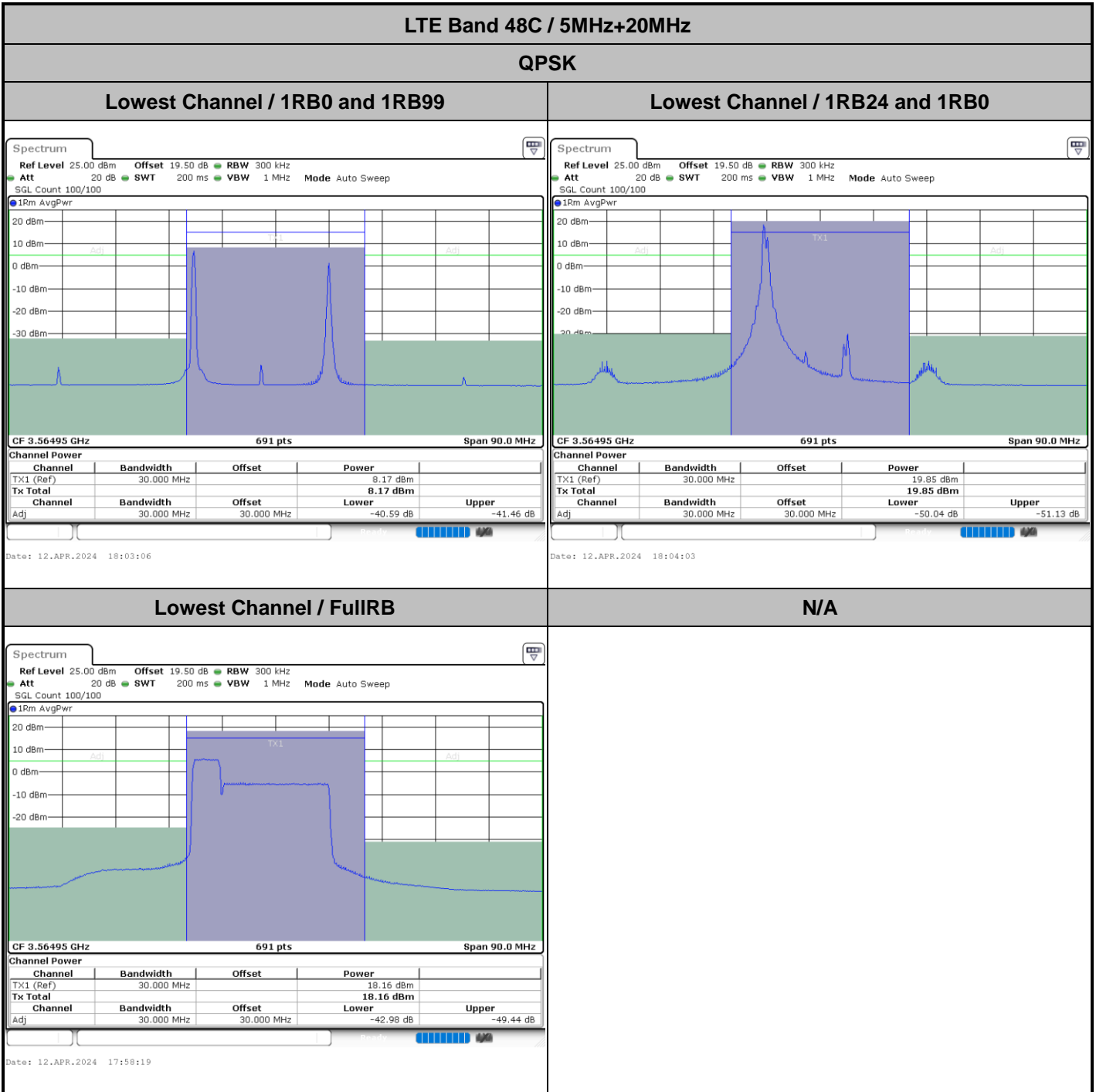
N/A



Date: 12_APR_2024 23:32:43



A3.3 ACLR



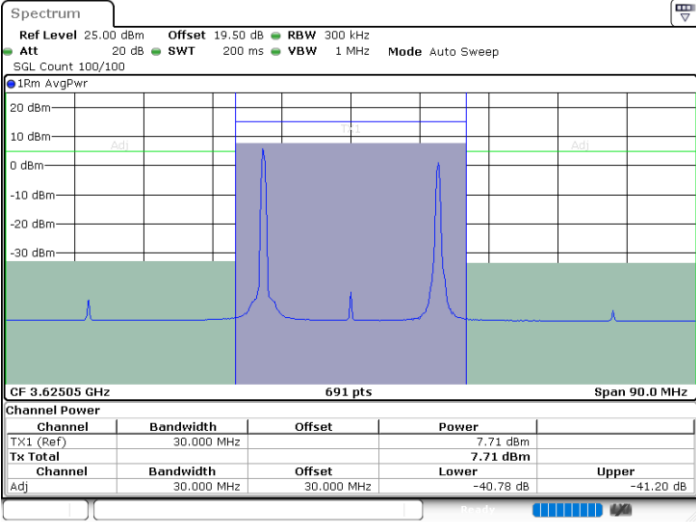


LTE Band 48C / 5MHz+20MHz

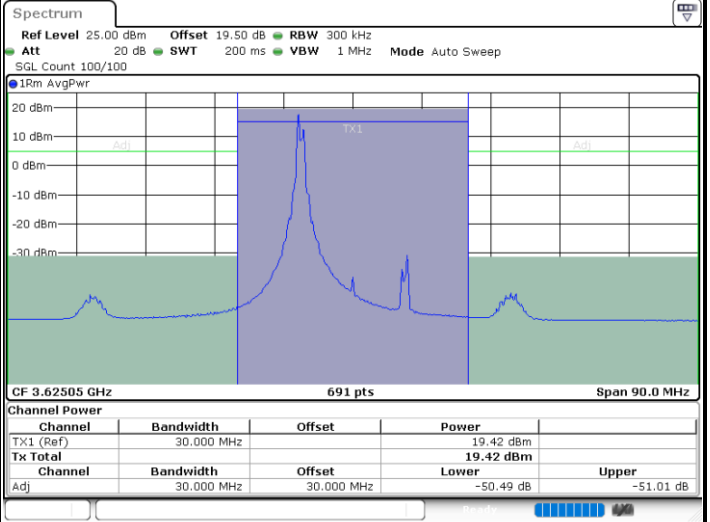
QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB24 and 1RB0



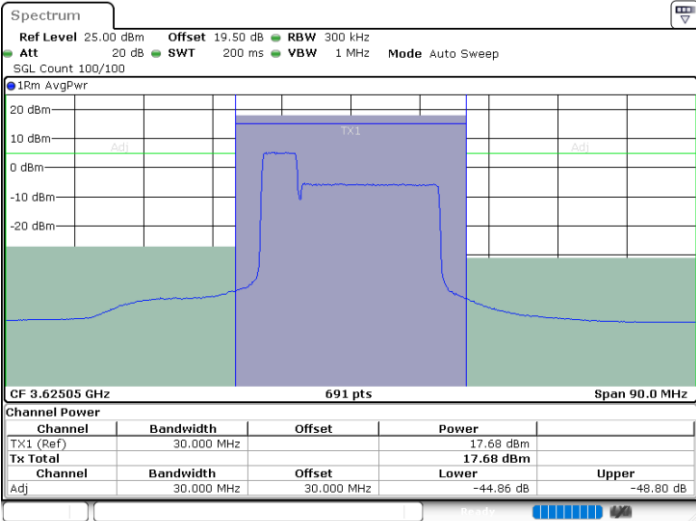
Date: 12.APR.2024 15:10:10



Date: 12.APR.2024 15:27:39

Middle Channel / FullIRB

N/A



Date: 12.APR.2024 15:05:23

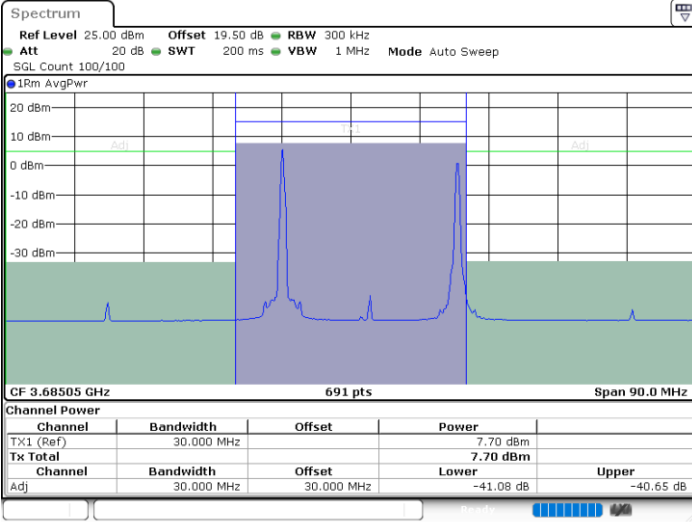


LTE Band 48C / 5MHz+20MHz

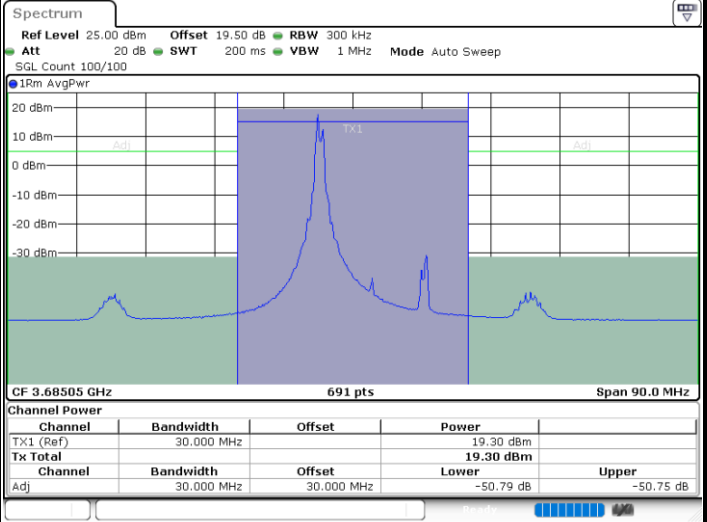
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB24 and 1RB0



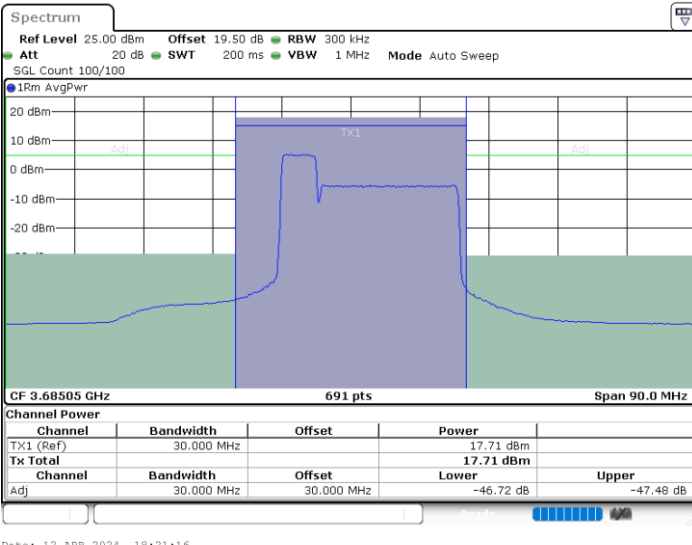
Date: 12.APR.2024 18:26:04



Date: 12.APR.2024 18:27:57

Highest Channel / FullIRB

N/A



Date: 12.APR.2024 18:21:16

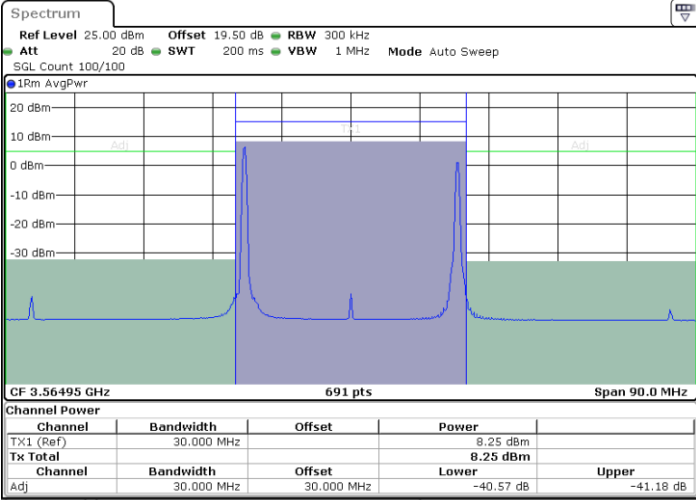


LTE Band 48C / 10MHz+20MHz

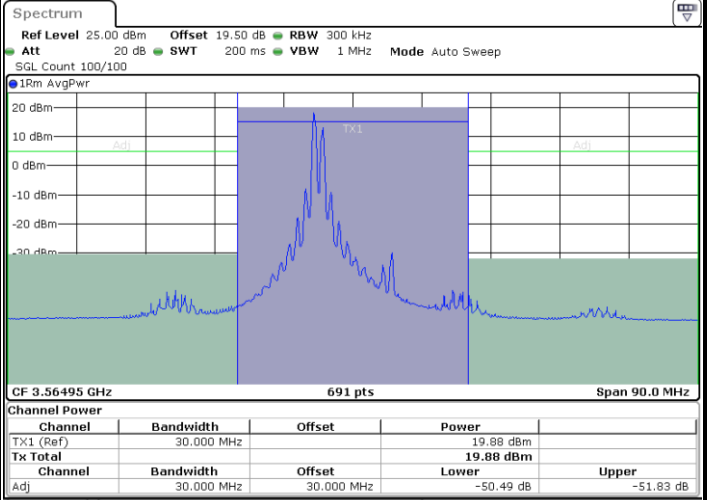
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0



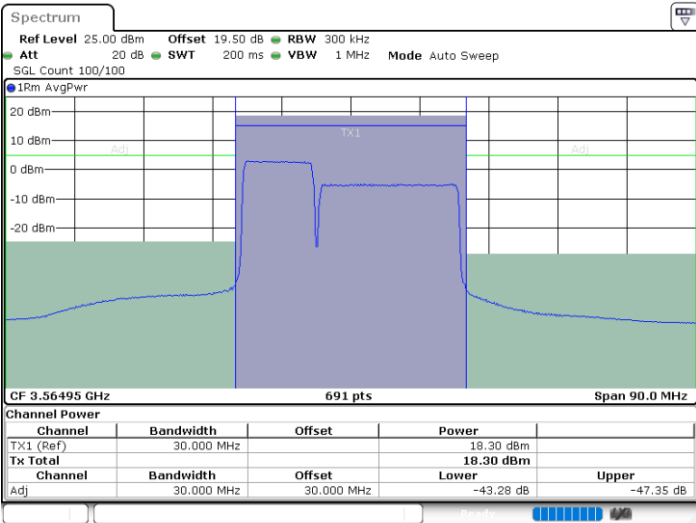
Date: 12.APR.2024 20:02:38



Date: 12.APR.2024 20:03:36

Lowest Channel / FullIRB

N/A



Date: 12.APR.2024 19:57:50

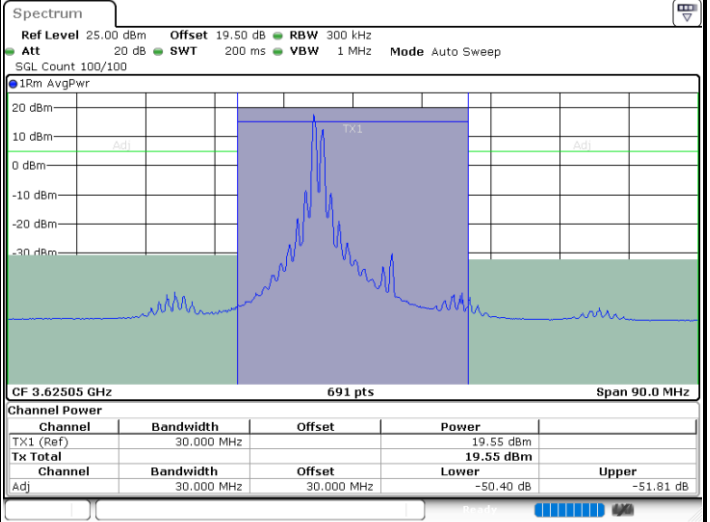
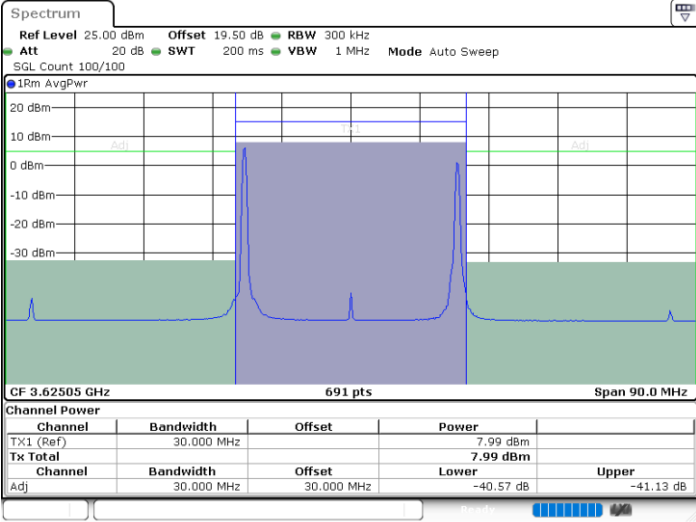


LTE Band 48C / 10MHz+20MHz

QPSK

Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB49 and 1RB0

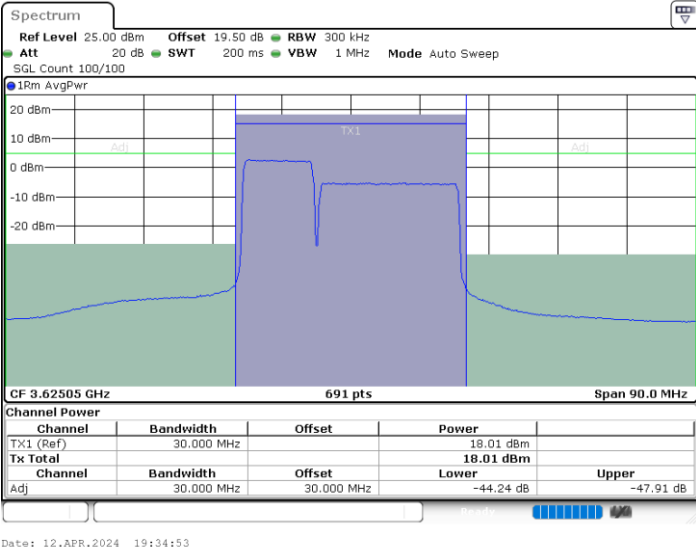


Date: 12.APR.2024 19:39:40

Date: 12.APR.2024 19:40:37

Middle Channel / FullIRB

N/A



Date: 12.APR.2024 19:34:53

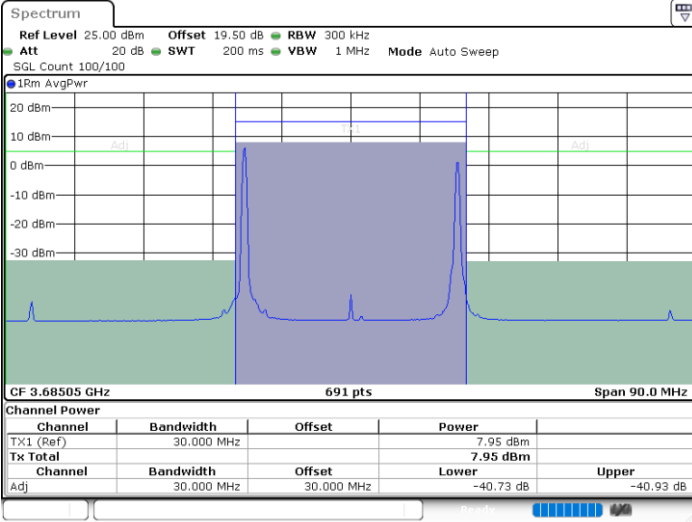


LTE Band 48C / 10MHz+20MHz

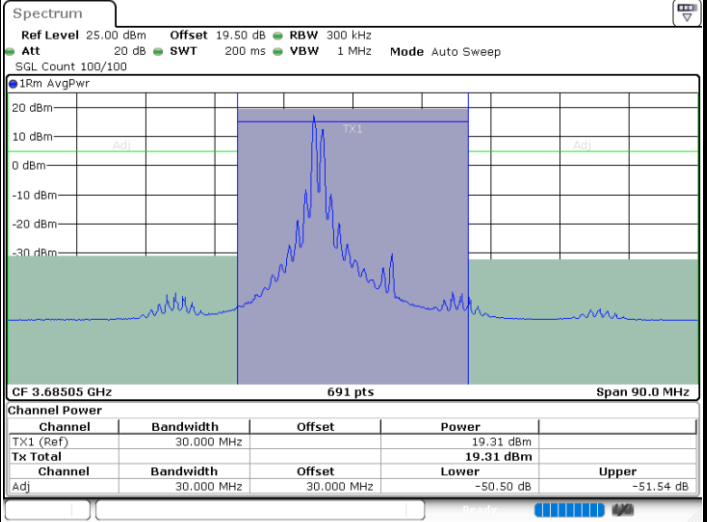
QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB49 and 1RB0



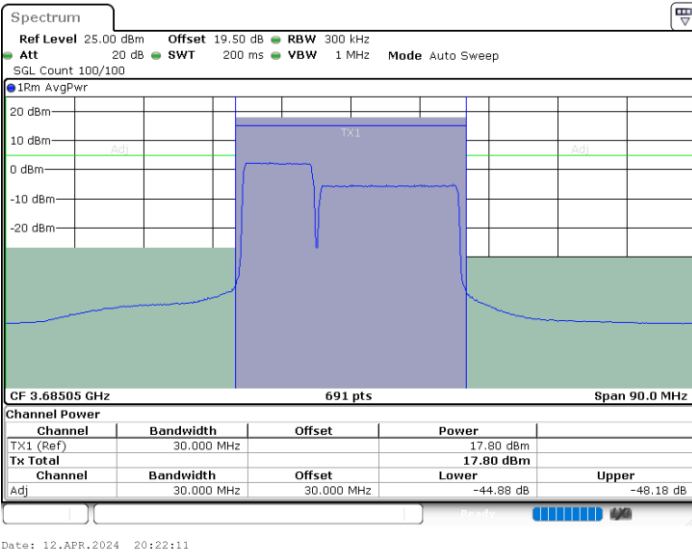
Date: 12.APR.2024 20:26:58



Date: 12.APR.2024 20:27:56

Highest Channel / FullRB

N/A



Date: 12.APR.2024 20:22:11