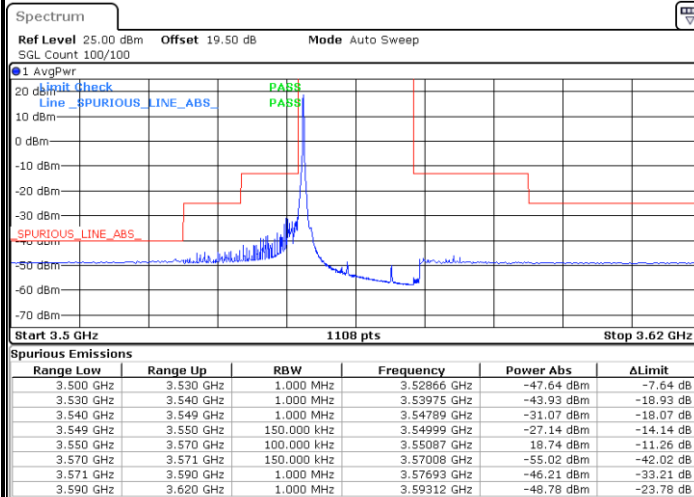




LTE Band 48 / 15MHz

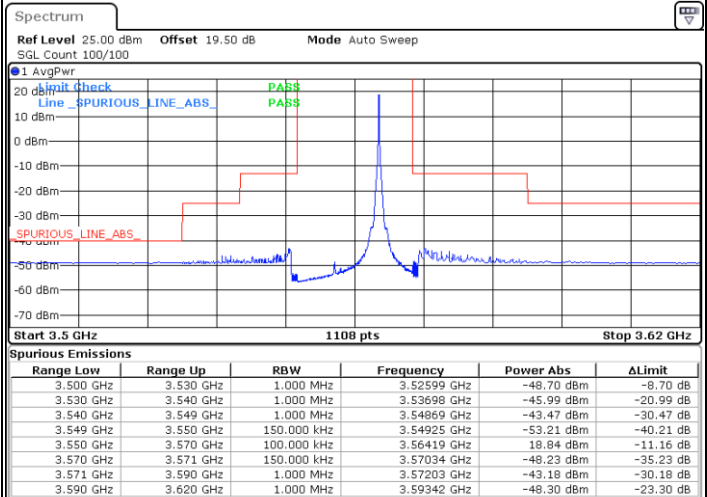
16QAM

Lowest Channel / 1RB0



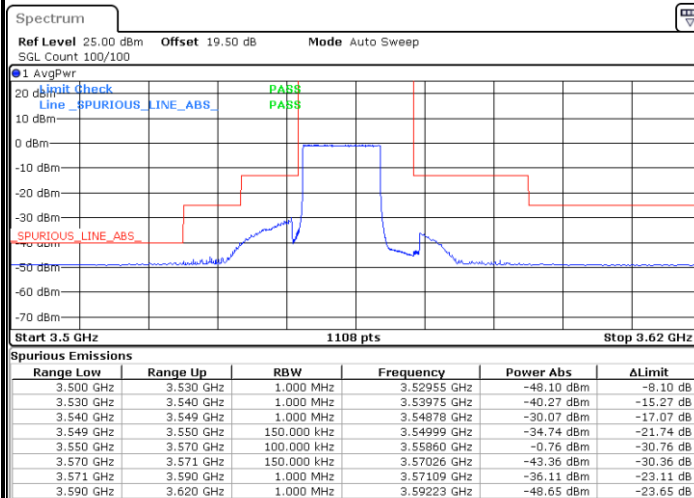
Date: 22 AUG 2024 09:16:48

Lowest Channel / 1RBmax



Date: 22 AUG 2024 09:20:26

Lowest Channel / FullRB



Date: 22 AUG 2024 09:24:05

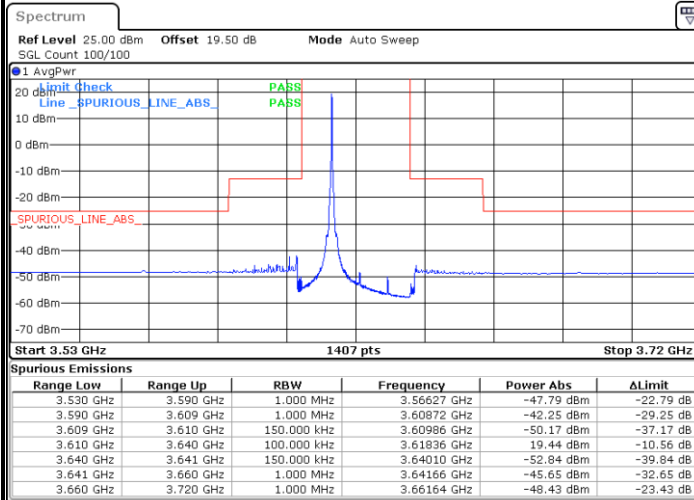
N/A



LTE Band 48 / 15MHz

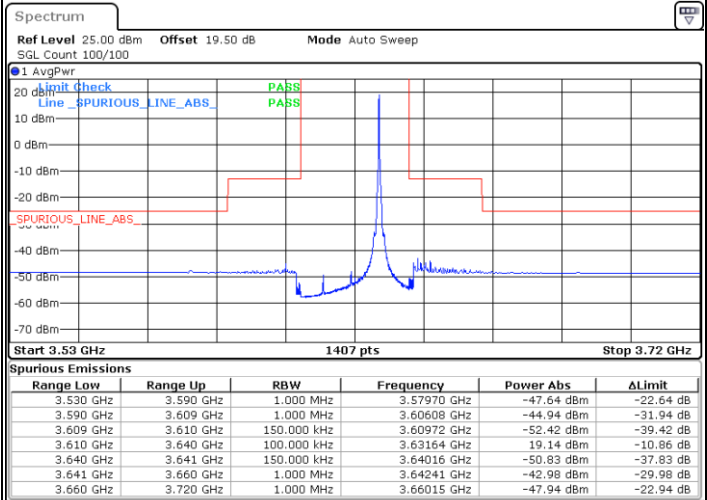
16QAM

Middle Channel / 1RB0



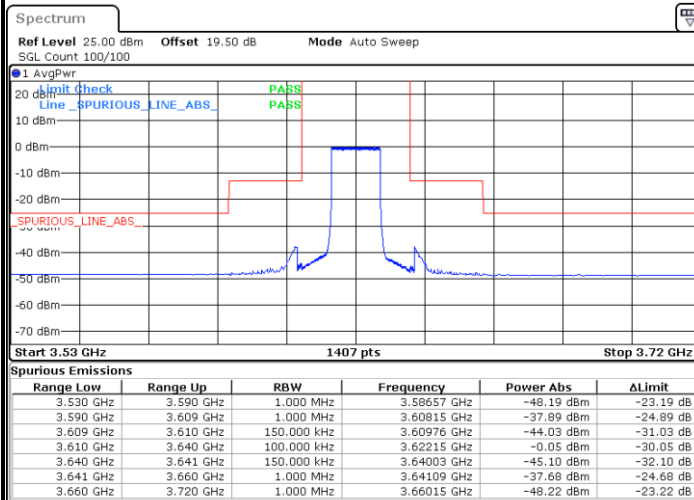
Date: 5.SEP.2024 10:27:07

Middle Channel / 1RBmax



Date: 5.SEP.2024 10:22:15

Middle Channel / FullRB



Date: 5.SEP.2024 10:31:59

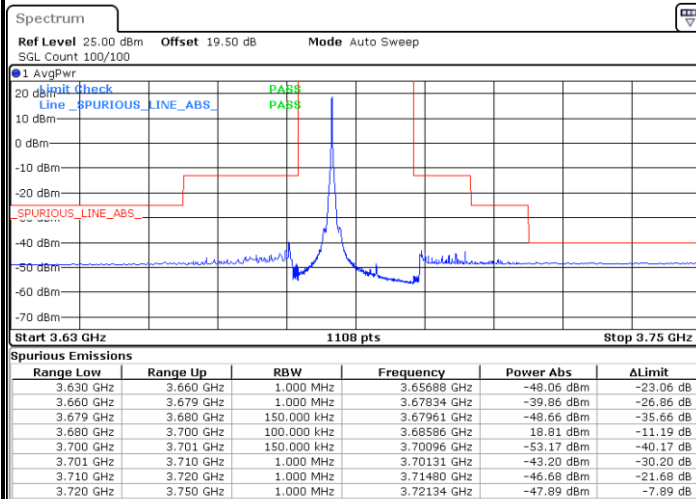
N/A



LTE Band 48 / 15MHz

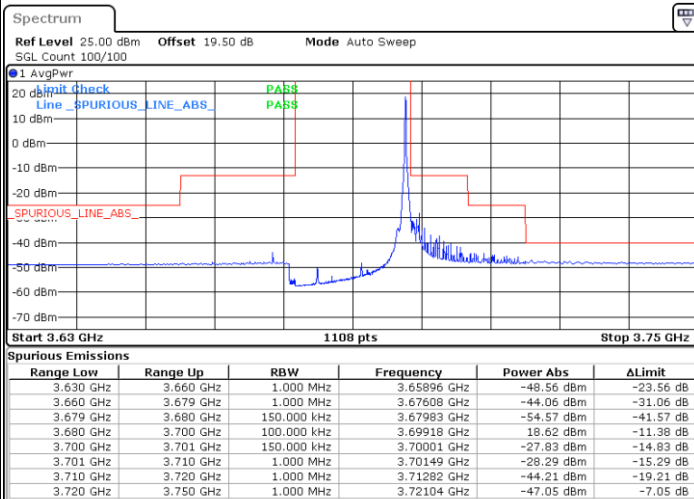
16QAM

Highest Channel / 1RB0



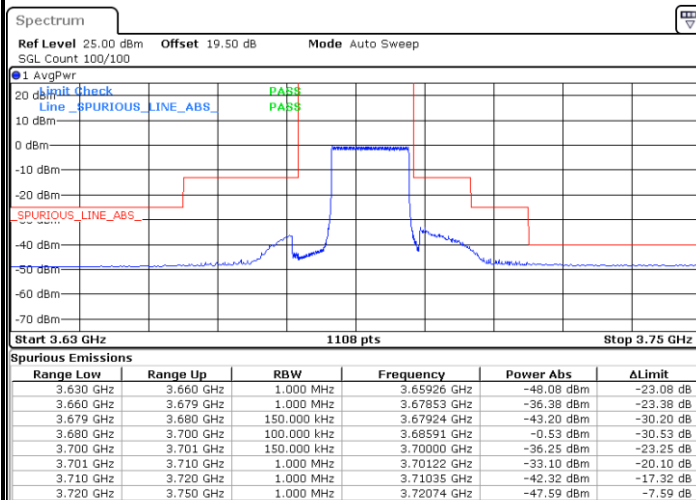
Date: 22 AUG 2024 10:00:47

Highest Channel / 1RBmax



Date: 22 AUG 2024 10:04:27

Highest Channel / FullRB



Date: 22 AUG 2024 10:08:07

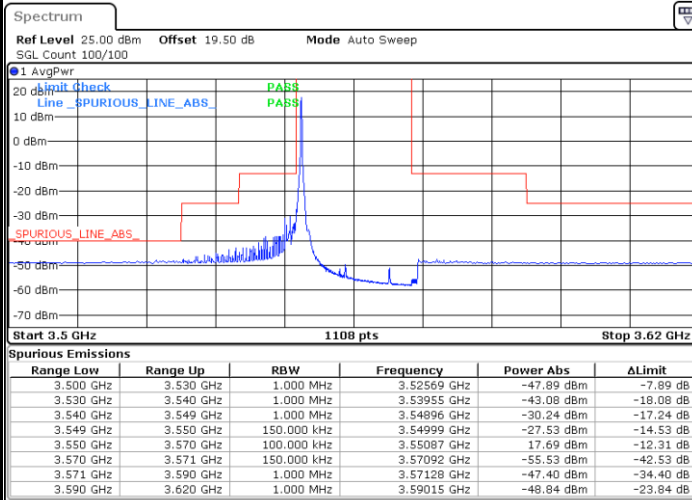
N/A



LTE Band 48 / 15MHz

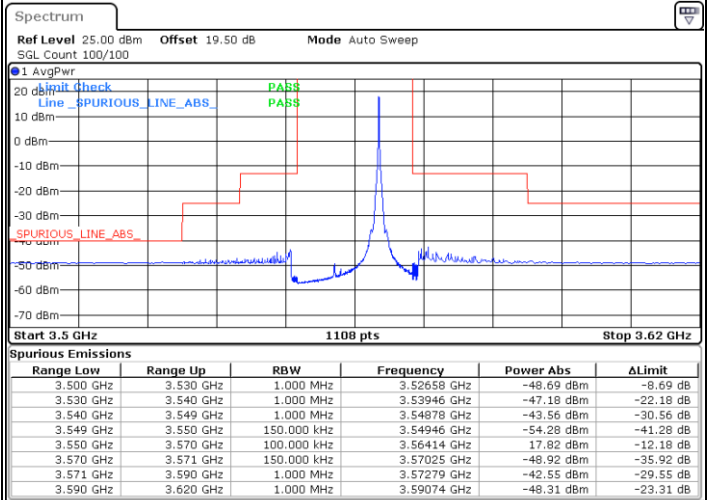
64QAM

Lowest Channel / 1RB0



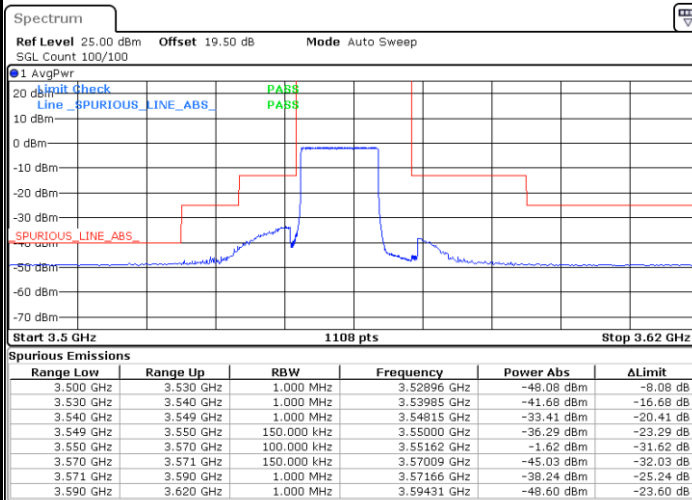
Date: 22 AUG 2024 09:15:35

Lowest Channel / 1RBmax



Date: 22 AUG 2024 09:21:39

Lowest Channel / FullIRB



Date: 22 AUG 2024 09:22:52

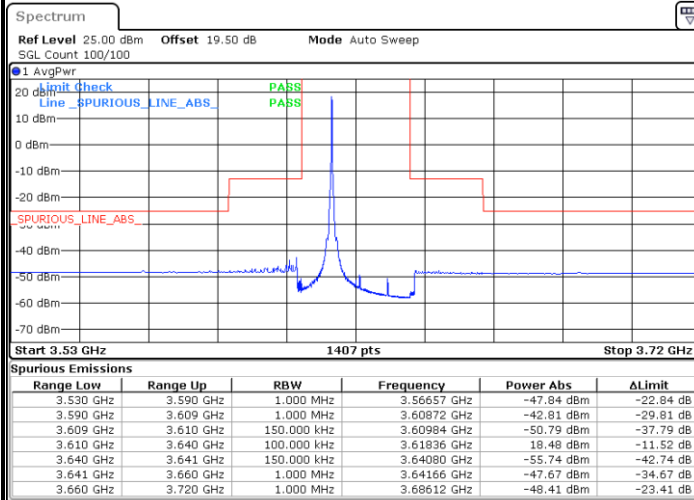
N/A



LTE Band 48 / 15MHz

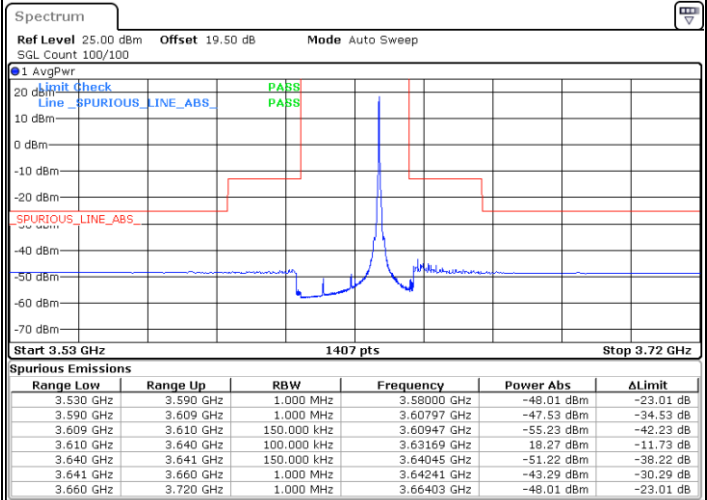
64QAM

Middle Channel / 1RB0



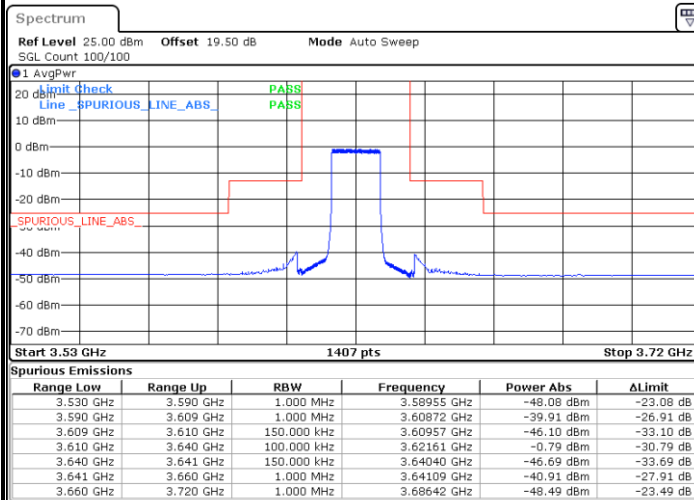
Date: 5.SEP.2024 10:28:44

Middle Channel / 1RBmax



Date: 5.SEP.2024 10:23:52

Middle Channel / FullRB



Date: 5.SEP.2024 10:33:36

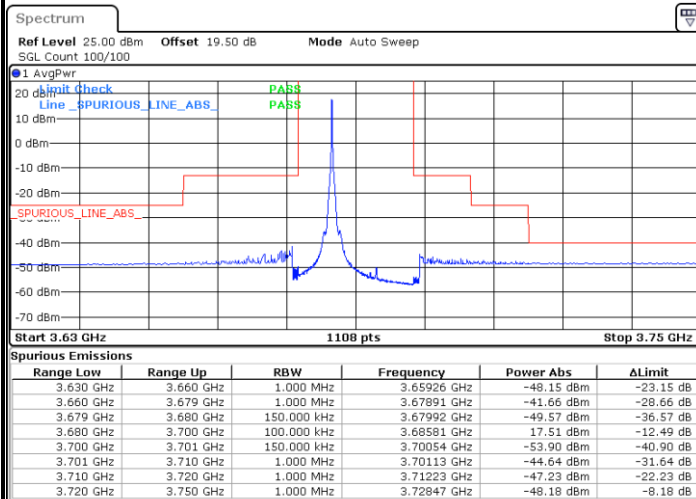
N/A



LTE Band 48 / 15MHz

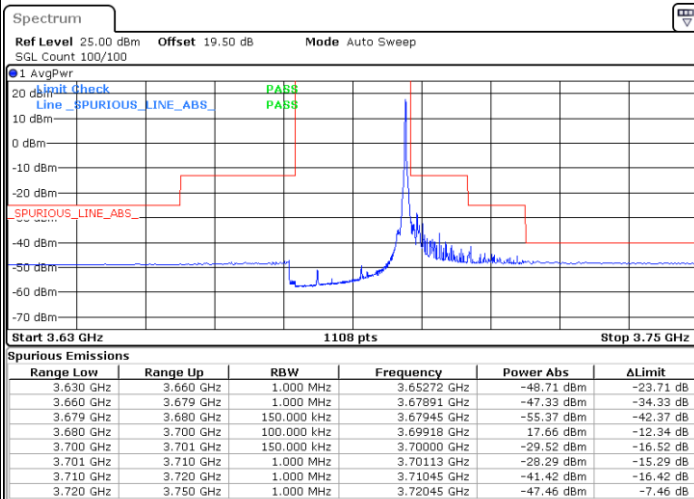
64QAM

Highest Channel / 1RB0



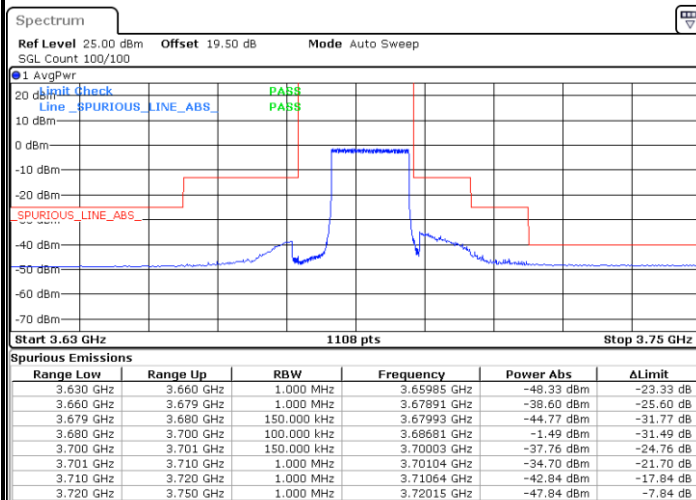
Date: 22 AUG 2024 09:59:33

Highest Channel / 1RBmax



Date: 22 AUG 2024 10:05:40

Highest Channel / FullRB



Date: 22 AUG 2024 10:06:53

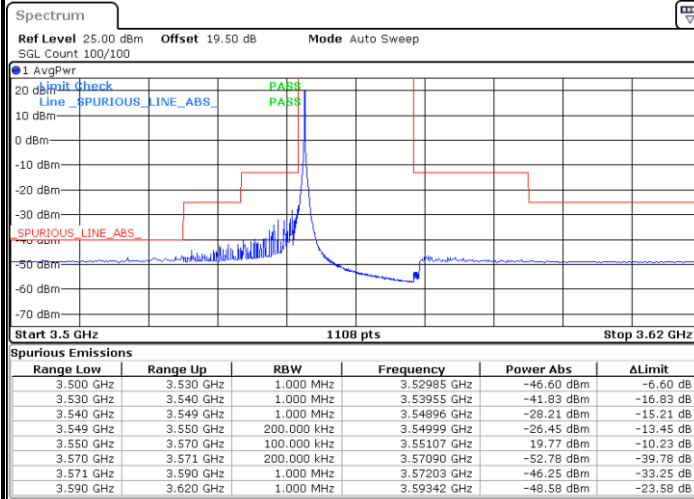
N/A



LTE Band 48 / 20MHz

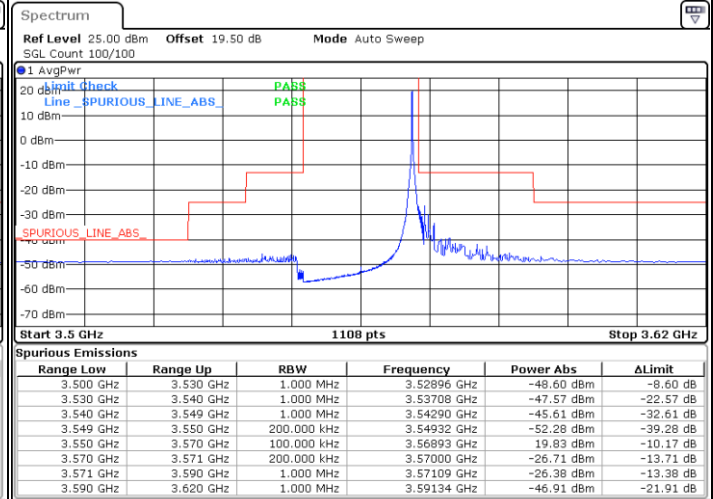
QPSK

Lowest Channel / 1RB0



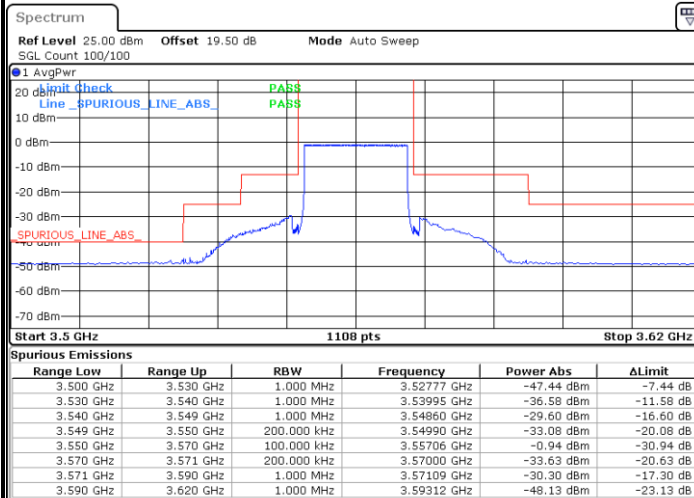
Date: 22 AUG 2024 10:20:08

Lowest Channel / 1RBmax



Date: 22 AUG 2024 10:26:10

Lowest Channel / FullIRB



Date: 22 AUG 2024 10:27:22

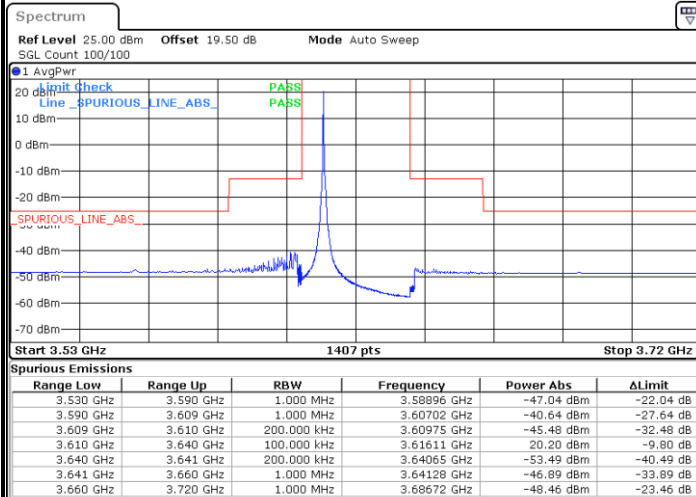
N/A



LTE Band 48 / 20MHz

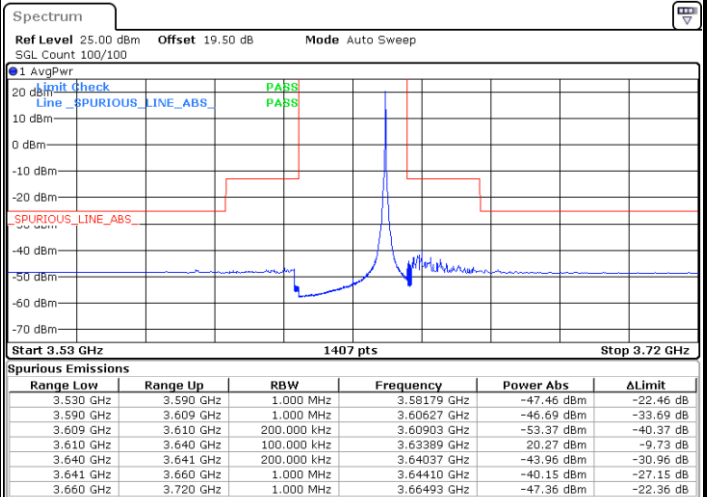
QPSK

Middle Channel / 1RB0



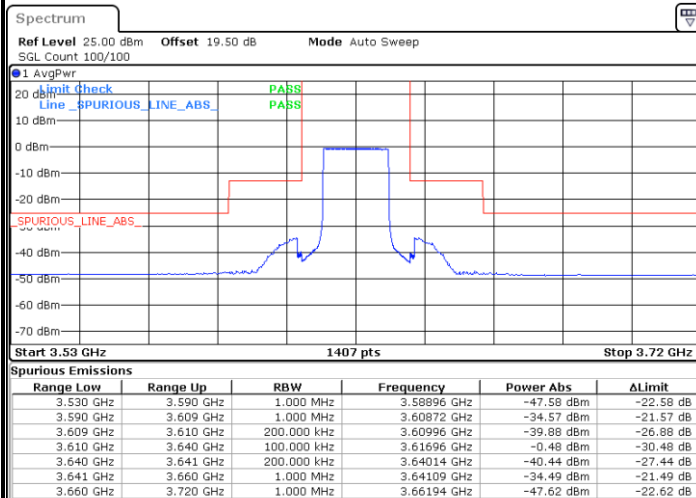
Date: 5.SEP.2024 10:18:55

Middle Channel / 1RBmax



Date: 5.SEP.2024 10:10:53

Middle Channel / FullRB



Date: 5.SEP.2024 10:09:17

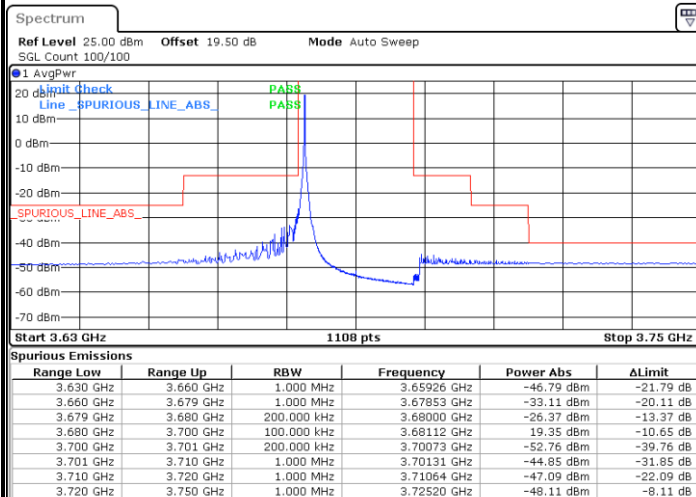
N/A



LTE Band 48 / 20MHz

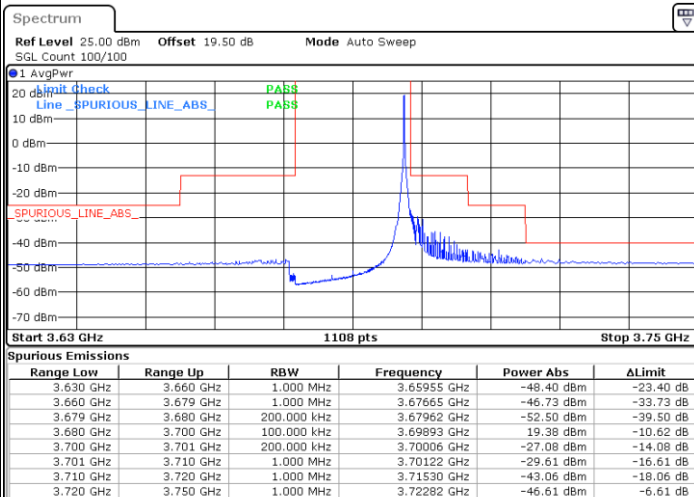
QPSK

Highest Channel / 1RB0



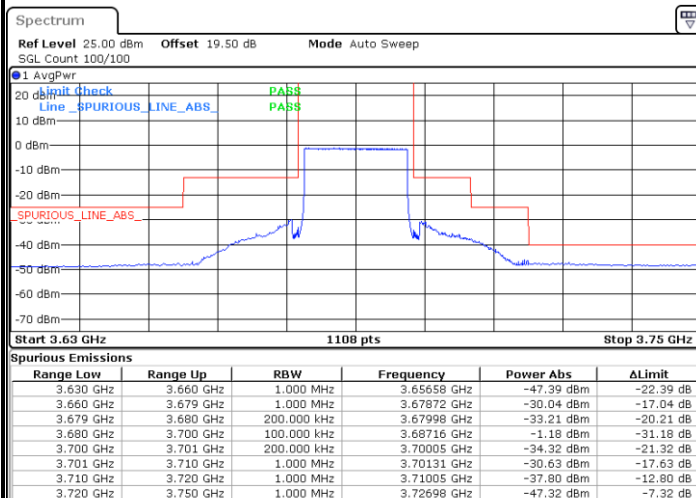
Date: 22 AUG 2024 11:05:02

Highest Channel / 1RBmax



Date: 22 AUG 2024 11:11:04

Highest Channel / FullRB



Date: 22 AUG 2024 11:12:17

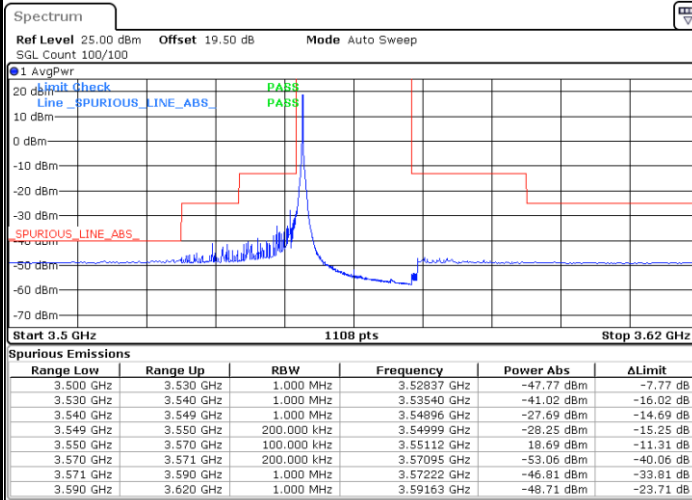
N/A



LTE Band 48 / 20MHz

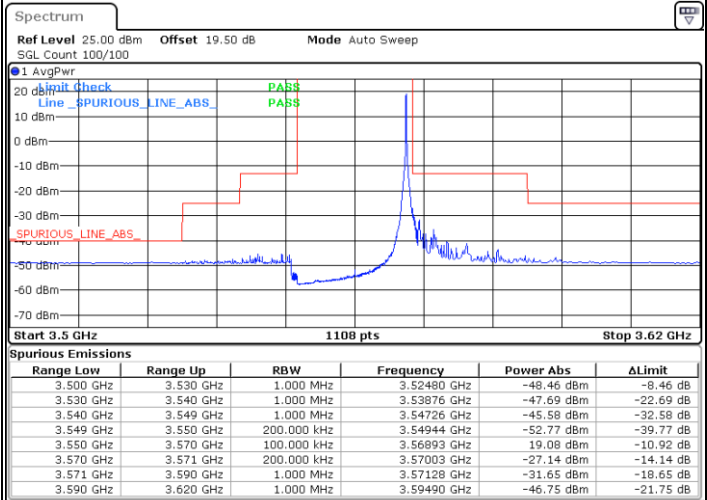
16QAM

Lowest Channel / 1RB0



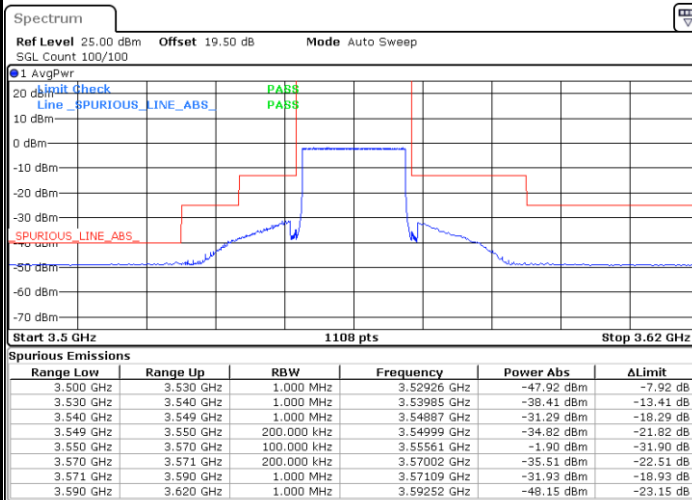
Date: 22 AUG 2024 10:21:20

Lowest Channel / 1RBmax



Date: 22 AUG 2024 10:24:57

Lowest Channel / FullIRB



Date: 22 AUG 2024 10:28:36

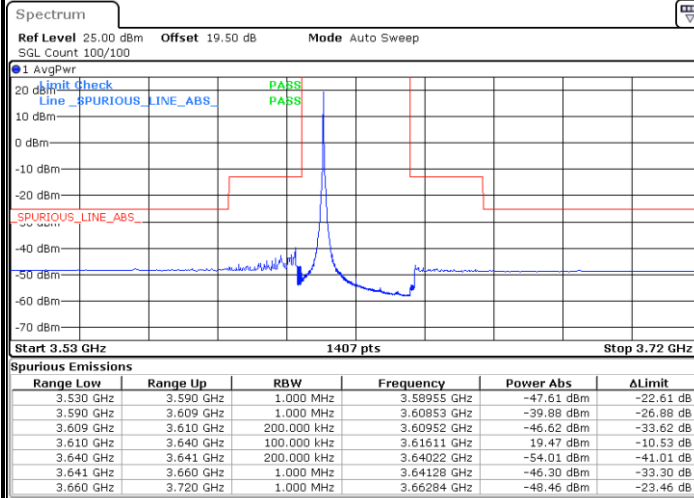
N/A



LTE Band 48 / 20MHz

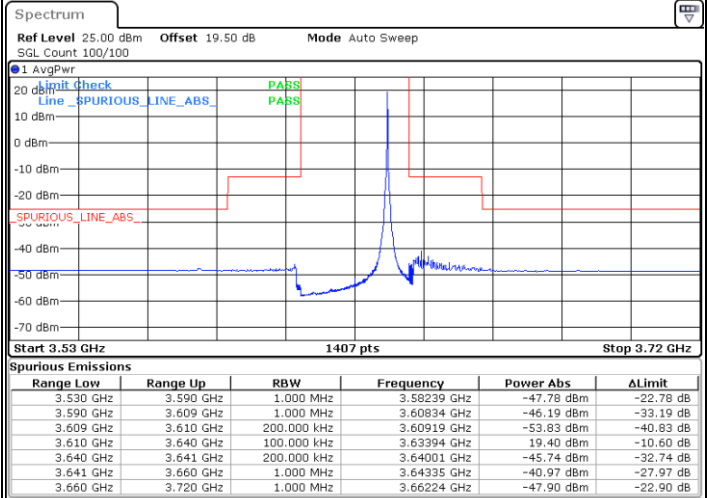
16QAM

Middle Channel / 1RB0



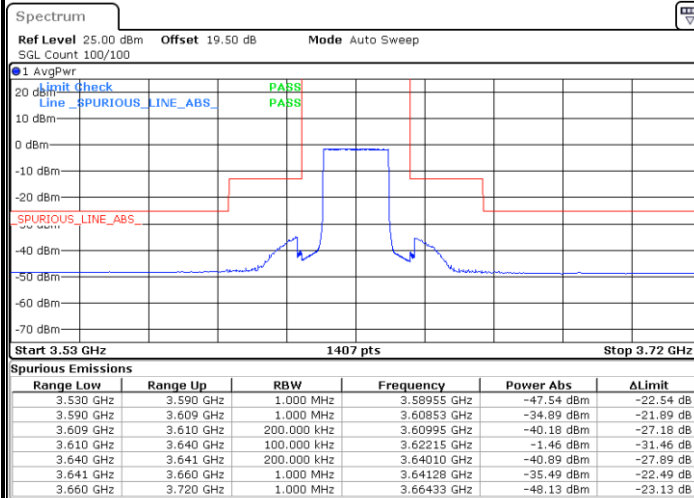
Date: 5.SEP.2024 10:17:18

Middle Channel / 1RBmax



Date: 5.SEP.2024 10:12:29

Middle Channel / FullRB



Date: 5.SEP.2024 10:07:40

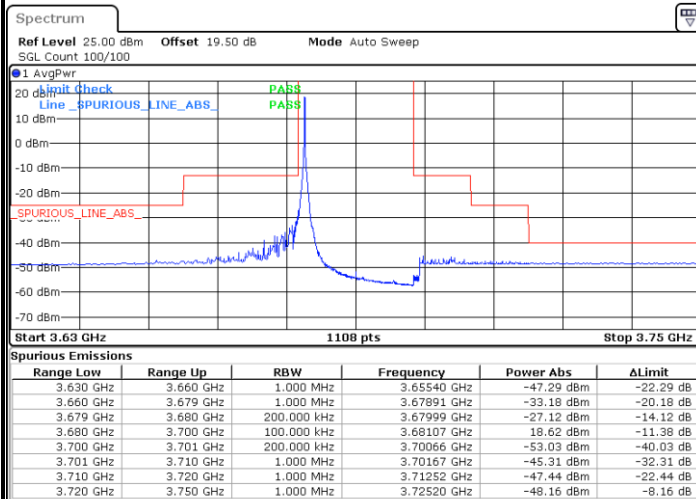
N/A



LTE Band 48 / 20MHz

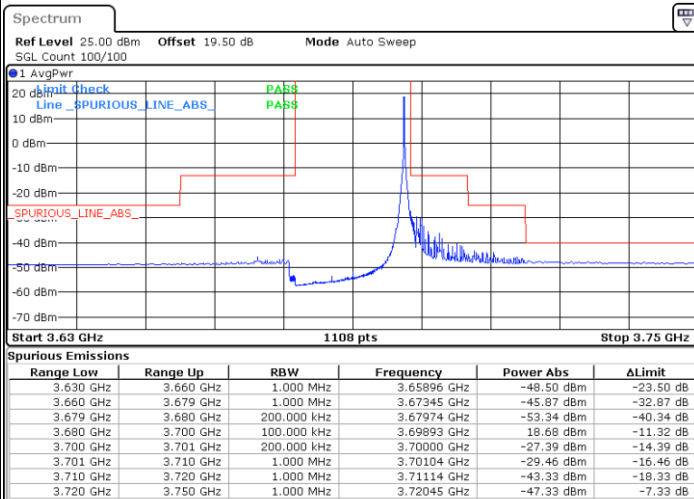
16QAM

Highest Channel / 1RB0



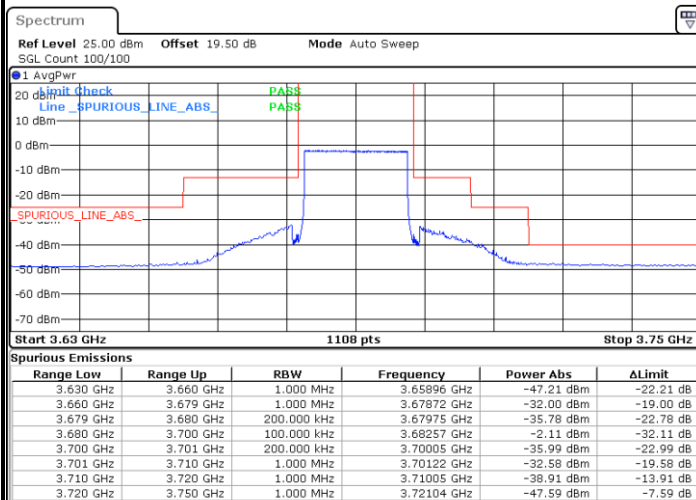
Date: 22 AUG 2024 11:06:14

Highest Channel / 1RBmax



Date: 22 AUG 2024 11:09:51

Highest Channel / FullRB



Date: 22 AUG 2024 11:13:29

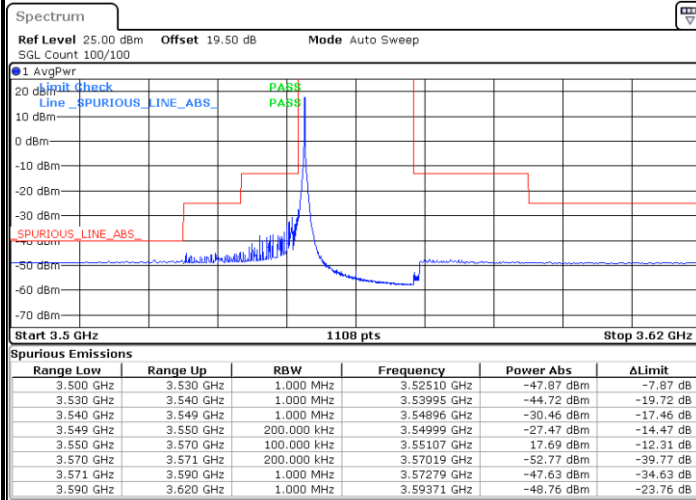
N/A



LTE Band 48 / 20MHz

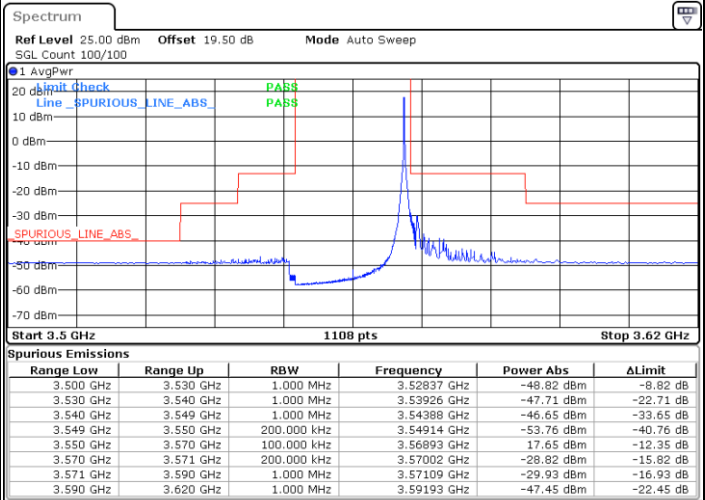
64QAM

Lowest Channel / 1RB0



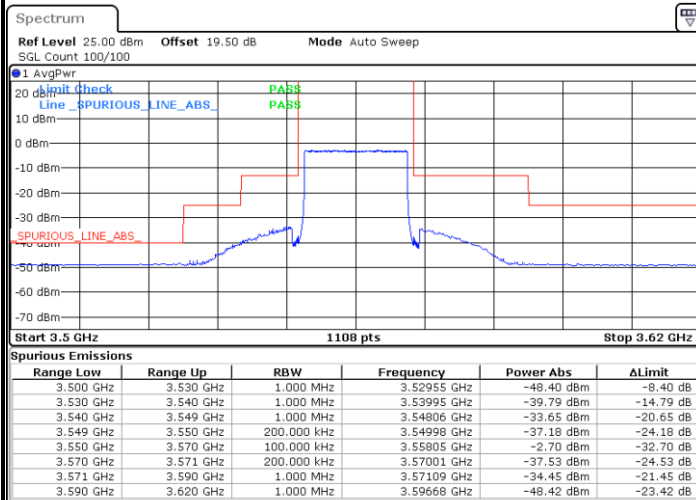
Date: 22 AUG 2024 10:22:33

Lowest Channel / 1RBmax



Date: 22 AUG 2024 10:23:45

Lowest Channel / FullIRB



Date: 22 AUG 2024 10:29:48

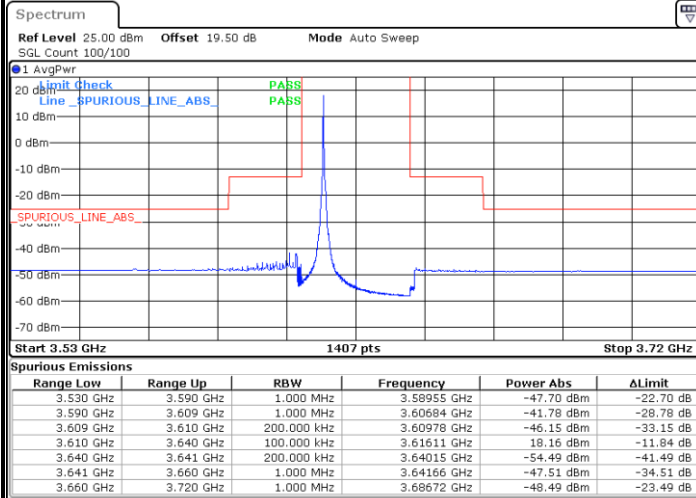
N/A



LTE Band 48 / 20MHz

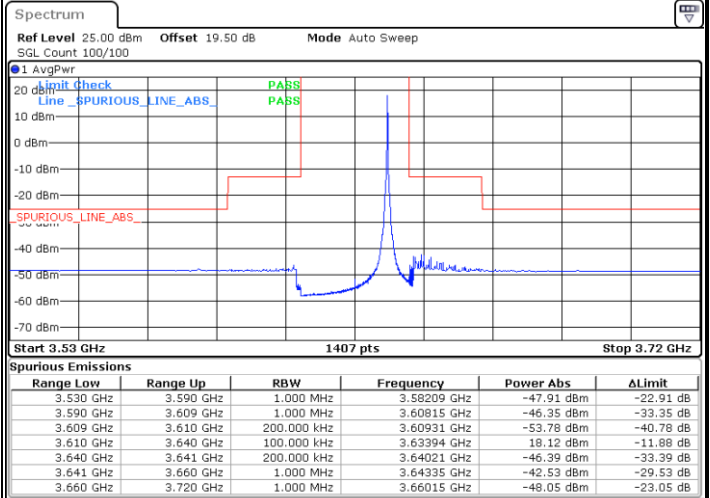
64QAM

Middle Channel / 1RB0



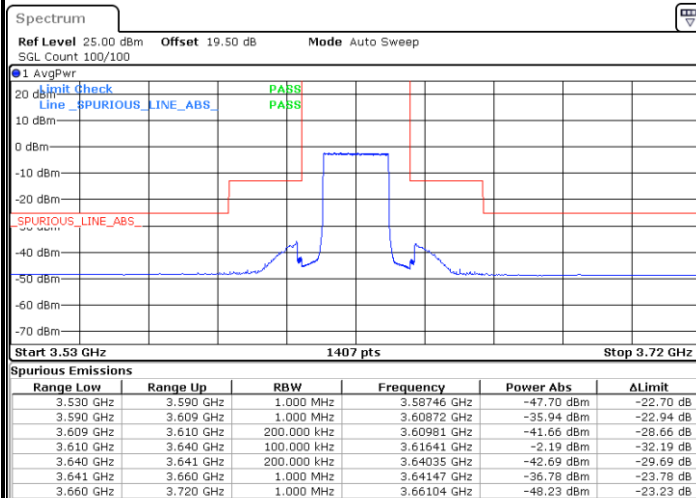
Date: 5.SEP.2024 10:15:42

Middle Channel / 1RBmax



Date: 5.SEP.2024 10:14:06

Middle Channel / FullRB



Date: 5.SEP.2024 10:06:04

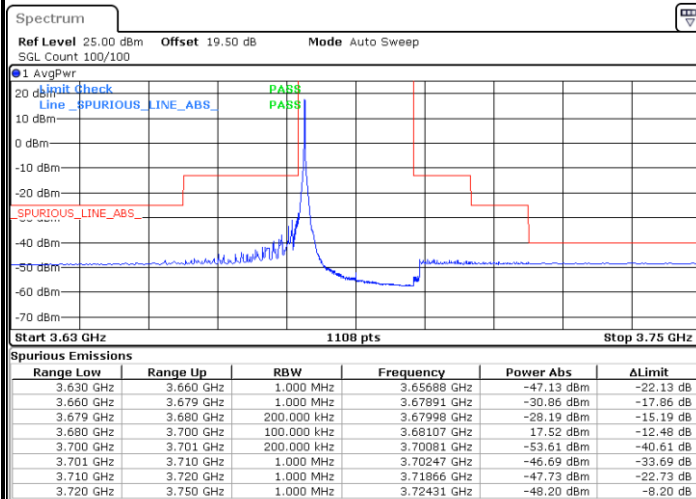
N/A



LTE Band 48 / 20MHz

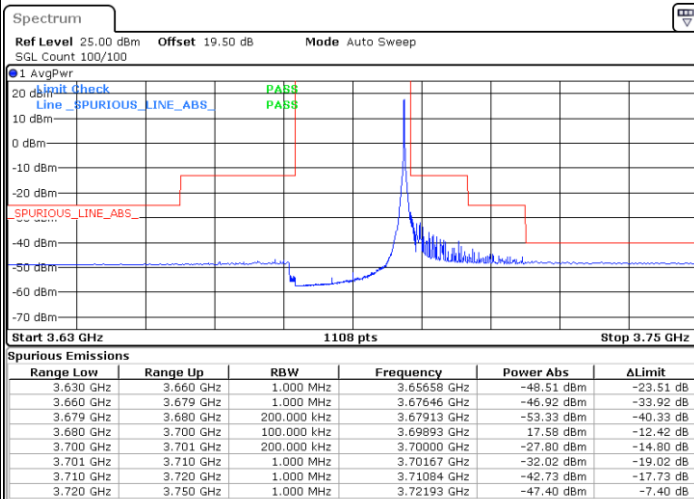
64QAM

Highest Channel / 1RB0



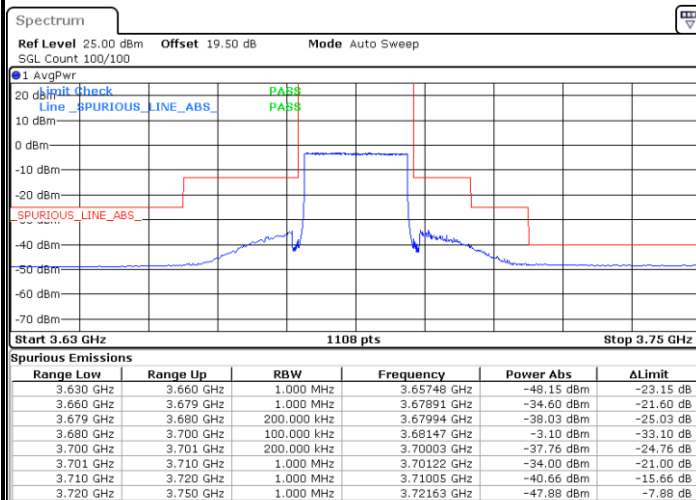
Date: 22 AUG 2024 11:07:27

Highest Channel / 1RBmax



Date: 22 AUG 2024 11:08:39

Highest Channel / FullRB



Date: 22 AUG 2024 11:14:42

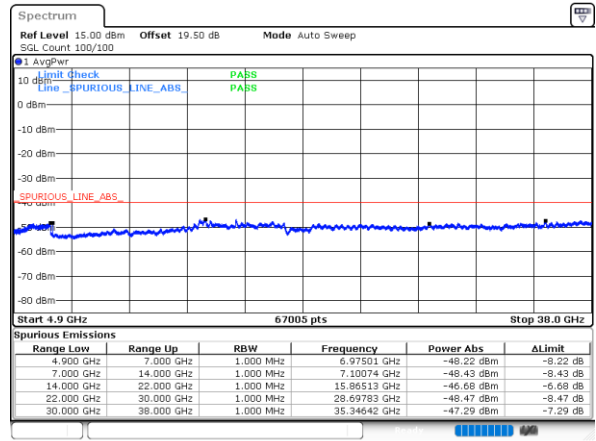
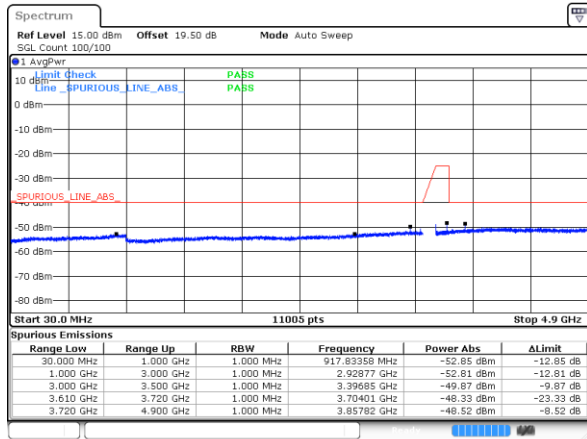
N/A



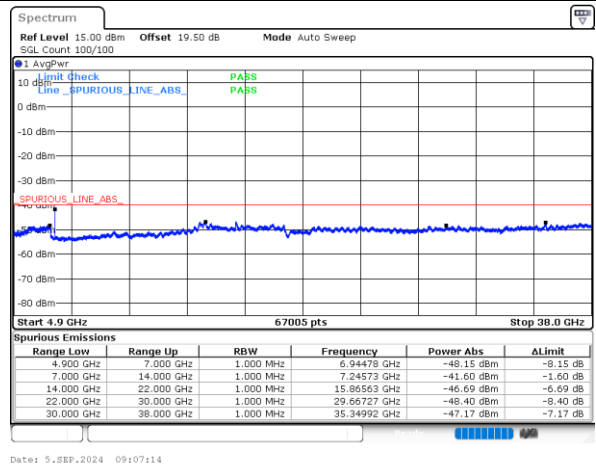
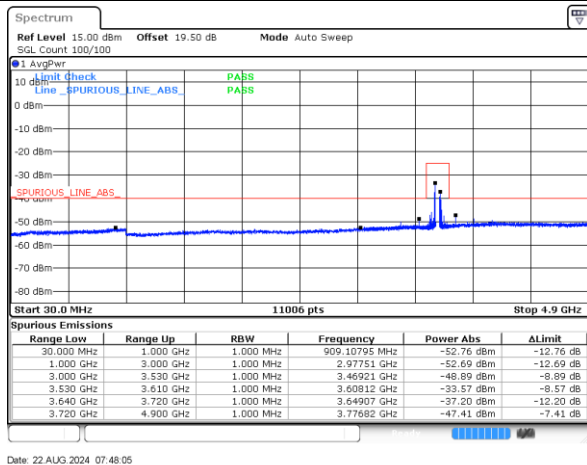
Conducted Spurious Emission

LTE Band 48 / 5MHz

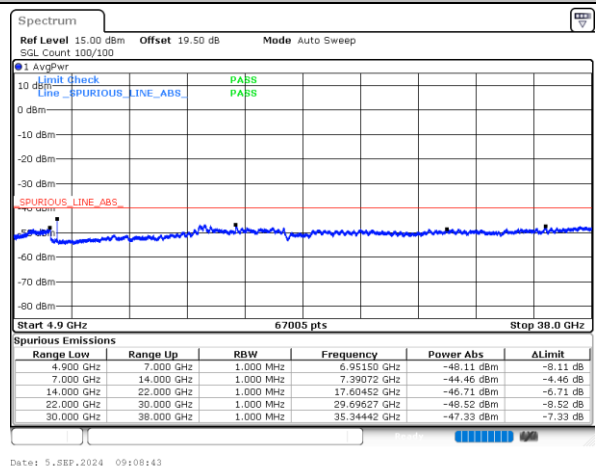
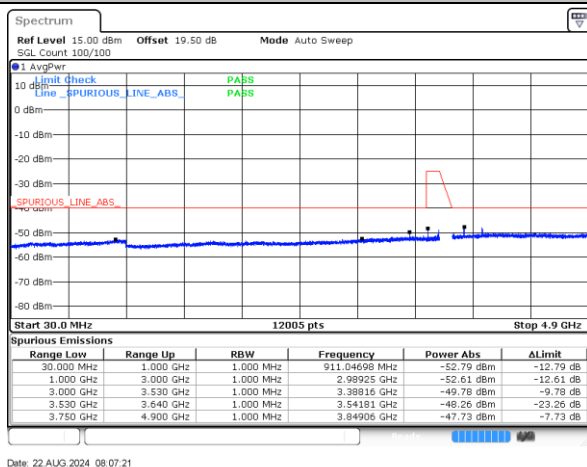
Lowest Channel / QPSK



Middle Channel / QPSK



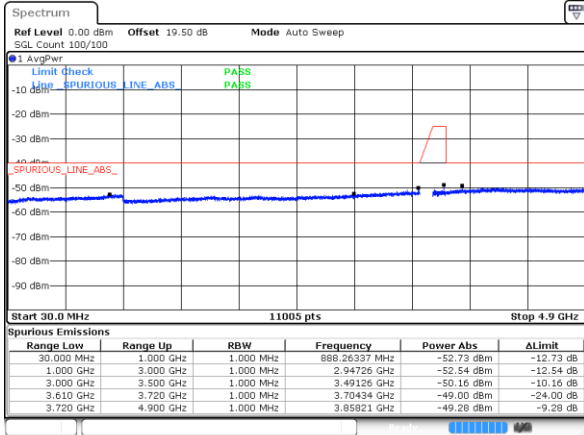
Highest Channel / QPSK



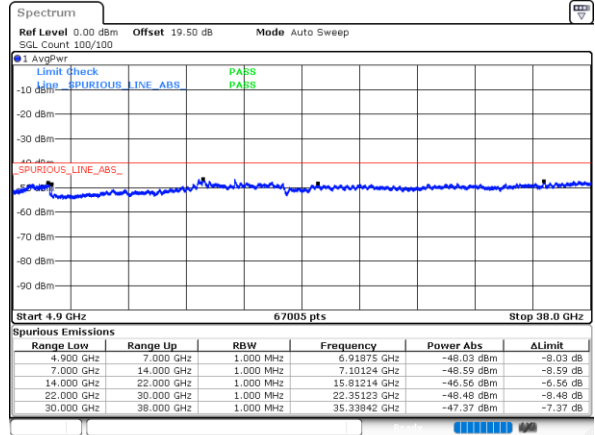


LTE Band 48 / 10MHz

Lowest Channel / QPSK

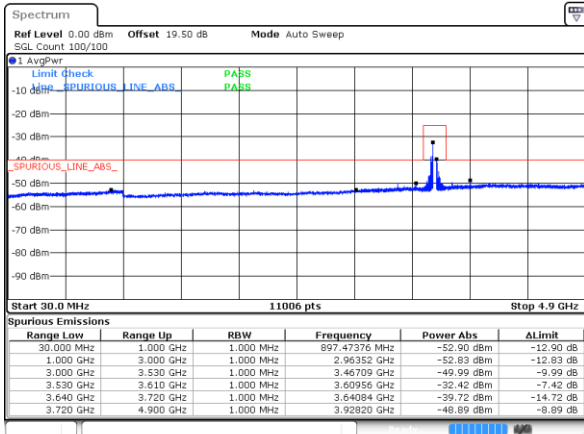


Date: 22 AUG 2024 08:26:53

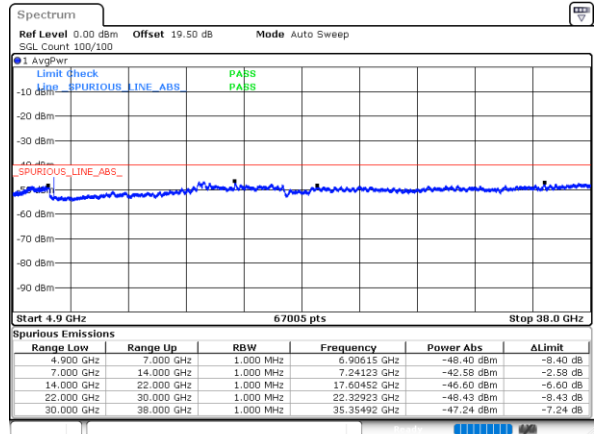


Date: 5 SEP 2024 09:11:22

Middle Channel / QPSK

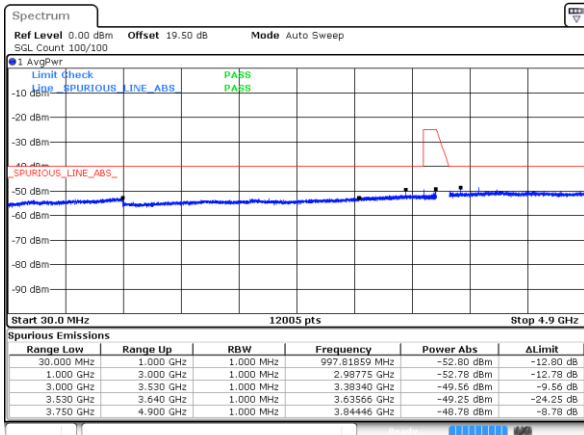


Date: 22 AUG 2024 08:46:52

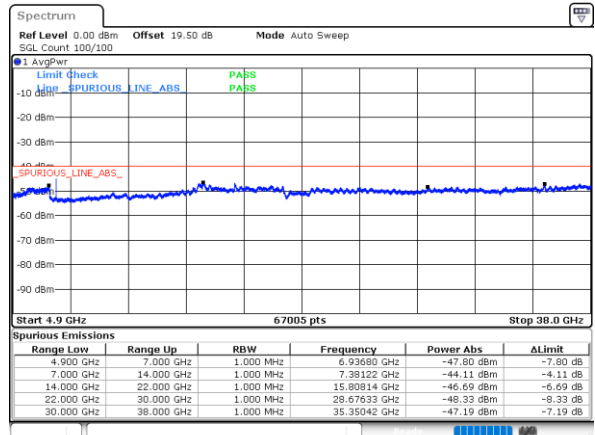


Date: 5 SEP 2024 09:13:27

Highest Channel / QPSK



Date: 22 AUG 2024 09:05:44

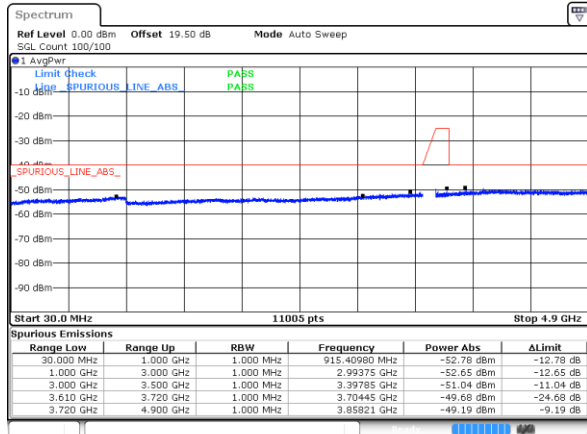


Date: 5 SEP 2024 09:30:32

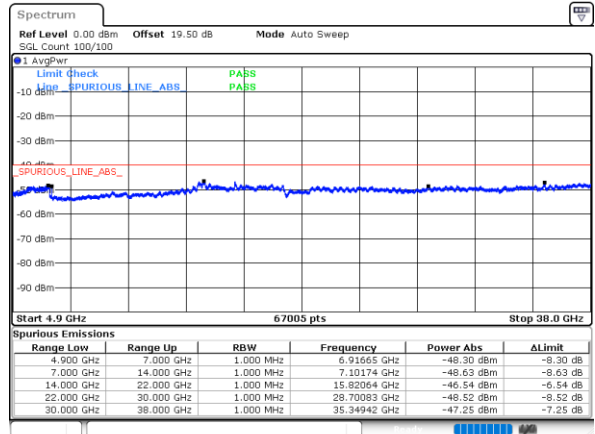


LTE Band 48 / 15MHz

Lowest Channel / QPSK

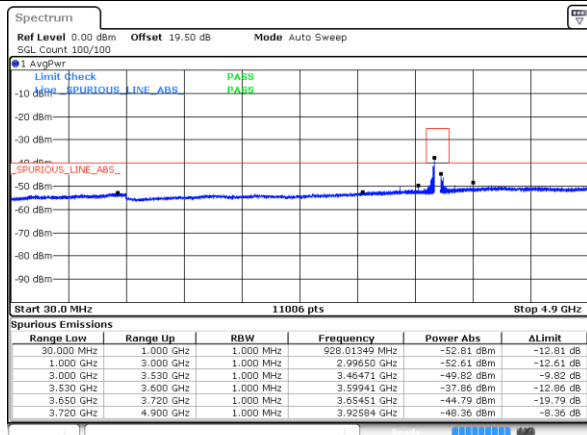


Date: 22 AUG 2024 09:26:23

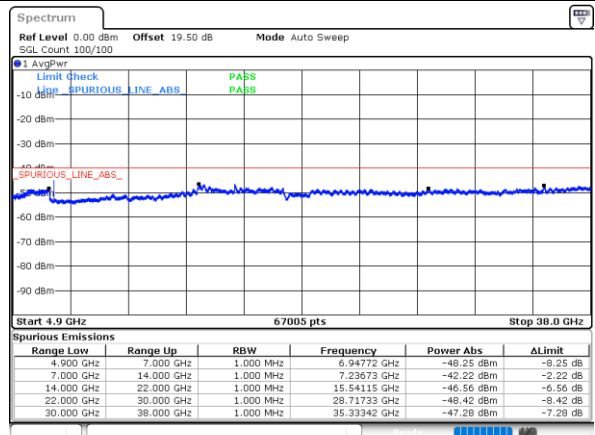


Date: 5 SEP 2024 09:33:42

Middle Channel / QPSK

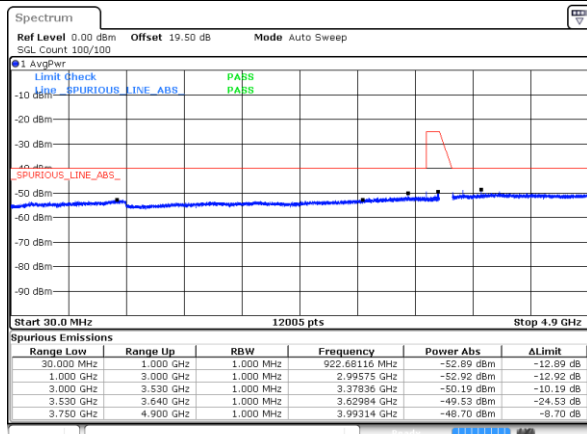


Date: 22 AUG 2024 09:50:19

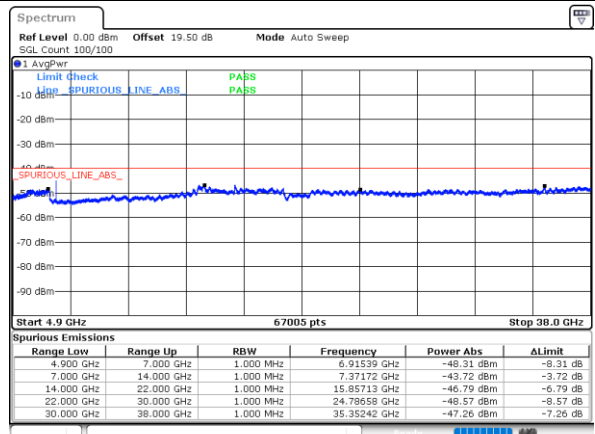


Date: 5 SEP 2024 09:35:15

Highest Channel / QPSK



Date: 22 AUG 2024 10:10:25

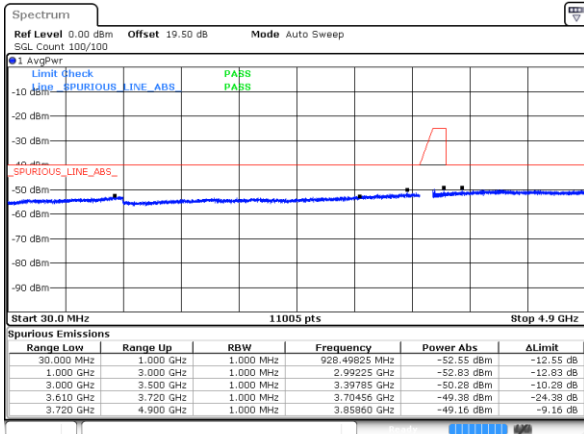


Date: 5 SEP 2024 09:36:55

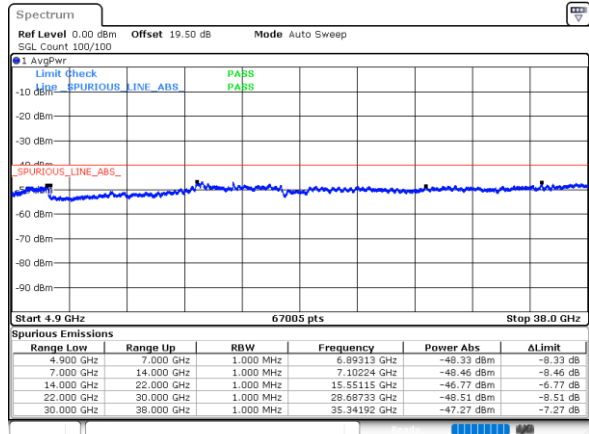


LTE Band 48 / 20MHz

Lowest Channel / QPSK

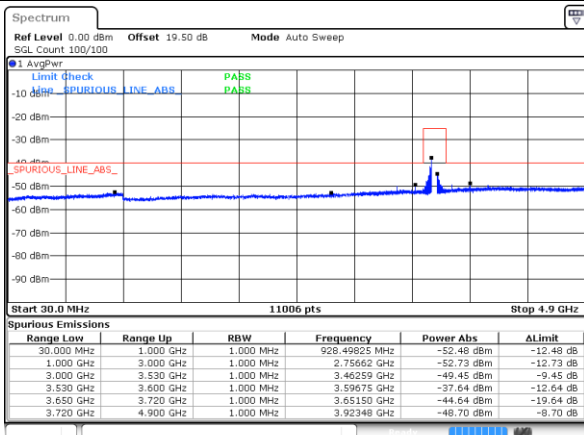


Date: 22 AUG 2024 10:30:54

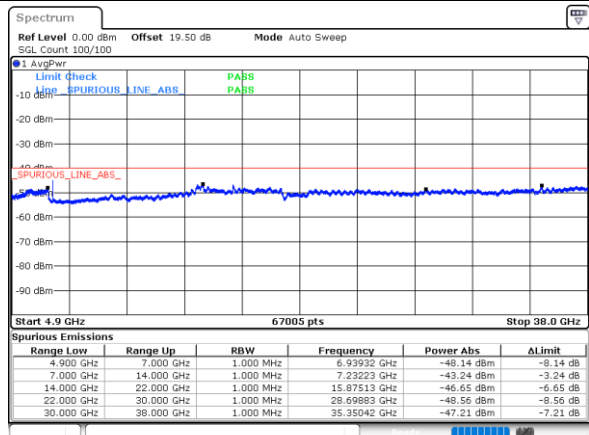


Date: 5 SEP 2024 10:39:08

Middle Channel / QPSK

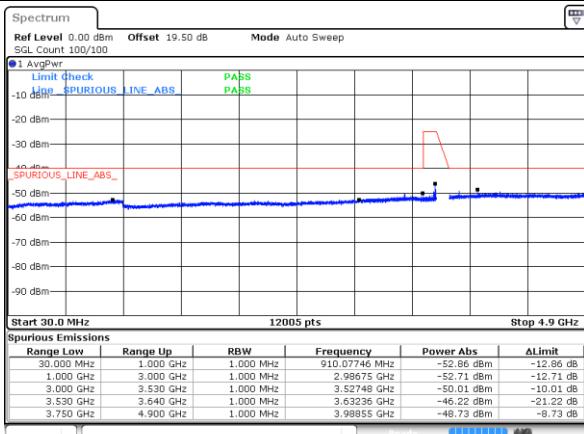


Date: 22 AUG 2024 10:54:37

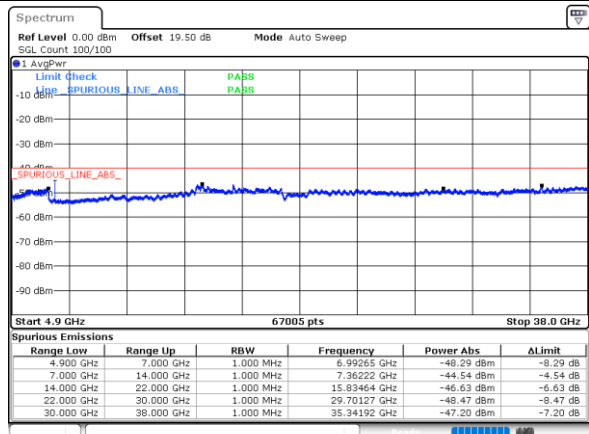


Date: 5 SEP 2024 10:40:40

Highest Channel / QPSK



Date: 22 AUG 2024 11:15:47



Date: 5 SEP 2024 10:42:18

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	0.0020	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

Note:

1. Normal Voltage = 3.8 V.; Battery End Point = 3.5 V.; Maximum Voltage = 4.3 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	25.03	29.79	34.90	25.18
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.15	35.11	39.88	-

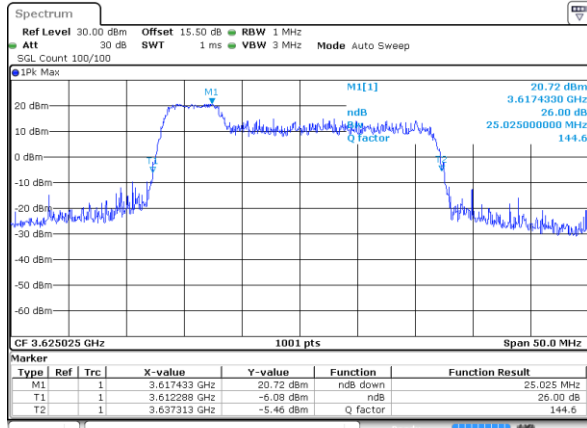
Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.93	29.91	35.04	25.23
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	35.04	39.96	-



LTE Band 48C

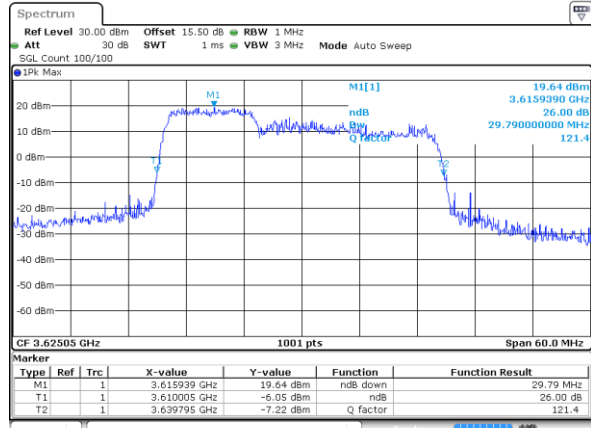
QPSK

Middle Channel / 5MHz+20MHz



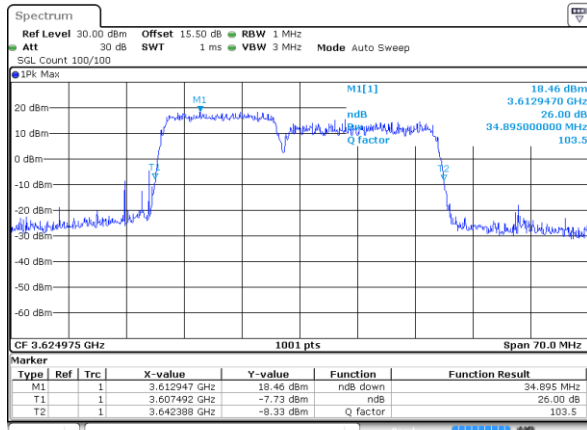
Date: 21 AUG 2024 02:09:25

Middle Channel / 10MHz+20MHz



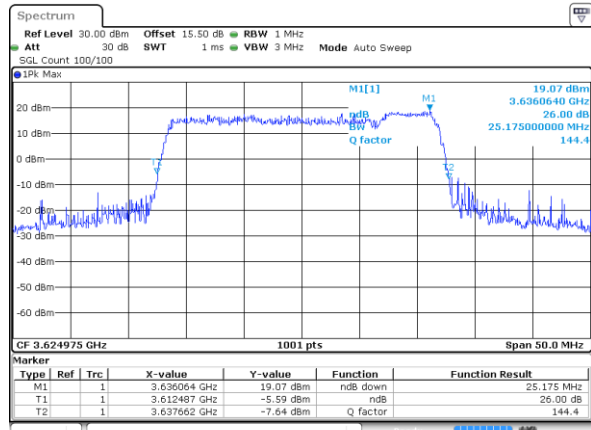
Date: 21 AUG 2024 04:24:49

Middle Channel / 15MHz+20MHz



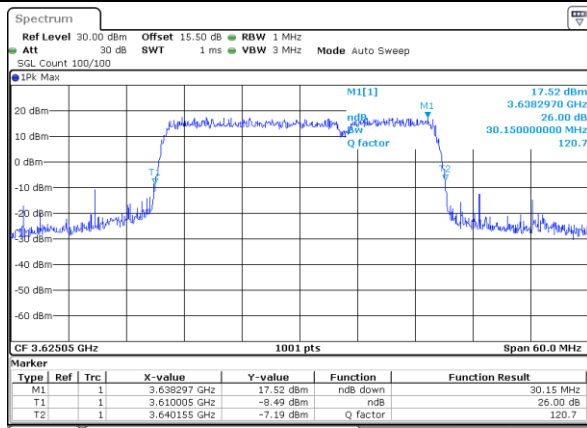
Date: 21 AUG 2024 06:40:27

Middle Channel / 20MHz+5MHz



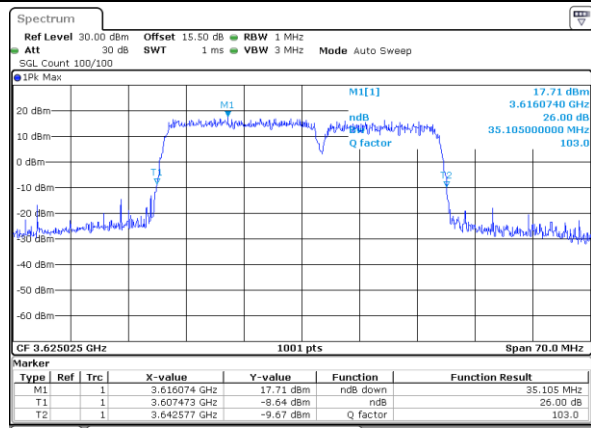
Date: 21 AUG 2024 03:17:00

Middle Channel / 20MHz+10MHz

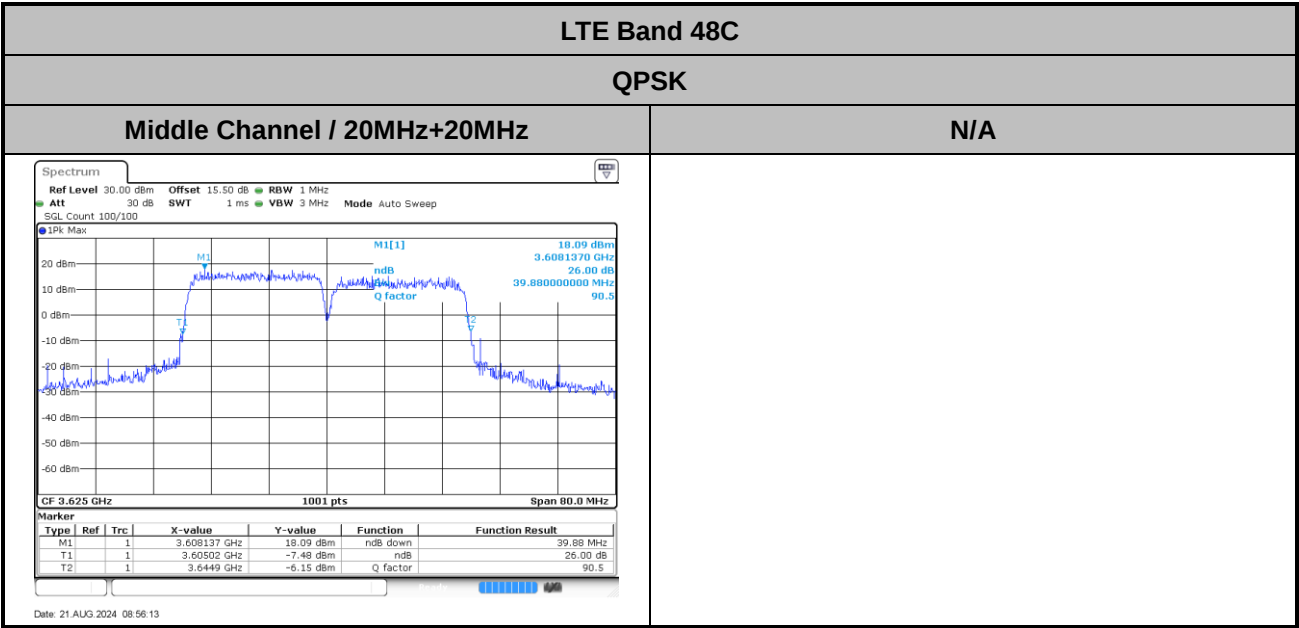


Date: 21 AUG 2024 05:32:46

Middle Channel / 20MHz+15MHz



Date: 21 AUG 2024 07:48:35

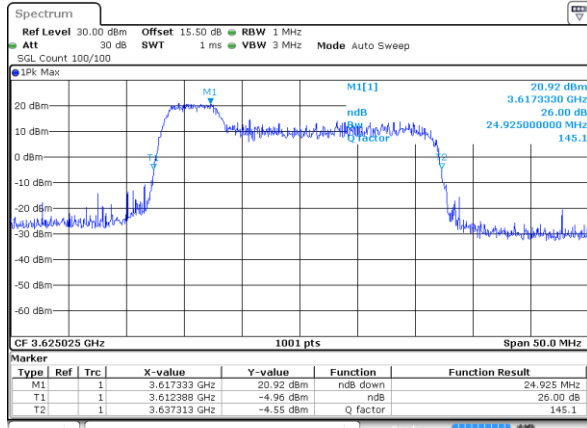




LTE Band 48C

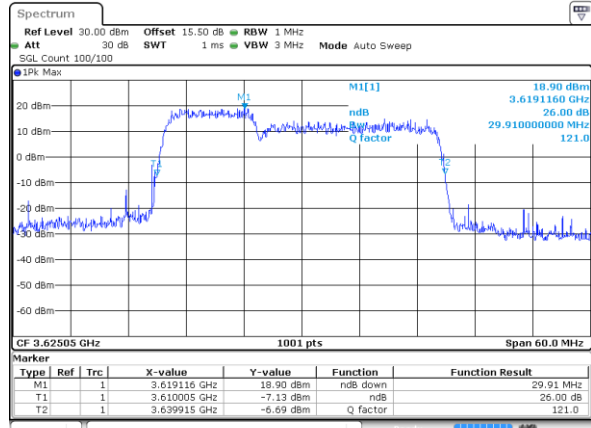
16QAM

Middle Channel / 5MHz+20MHz



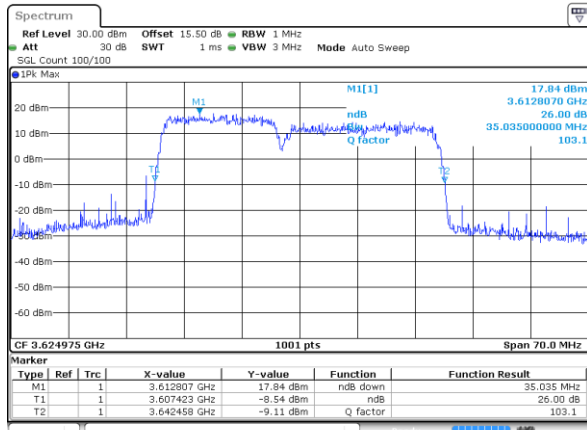
Date: 21 AUG 2024 02:10:01

Middle Channel / 10MHz+20MHz



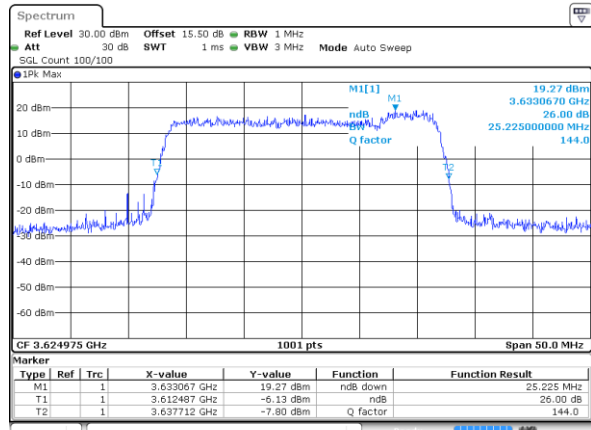
Date: 21 AUG 2024 04:25:25

Middle Channel / 15MHz+20MHz



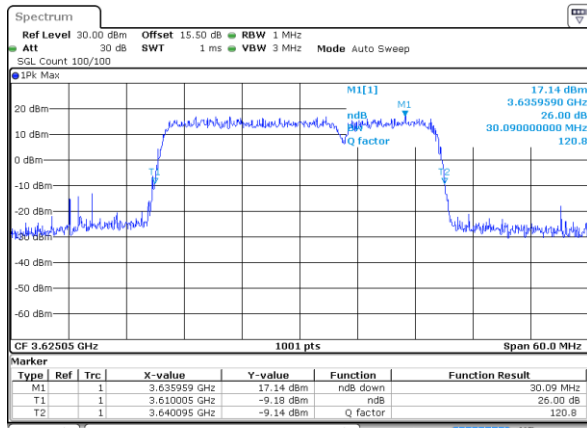
Date: 21 AUG 2024 06:41:03

Middle Channel / 20MHz+5MHz



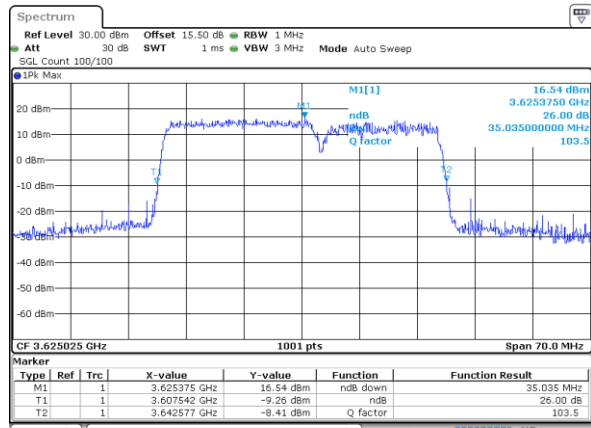
Date: 21 AUG 2024 03:17:36

Middle Channel / 20MHz+10MHz

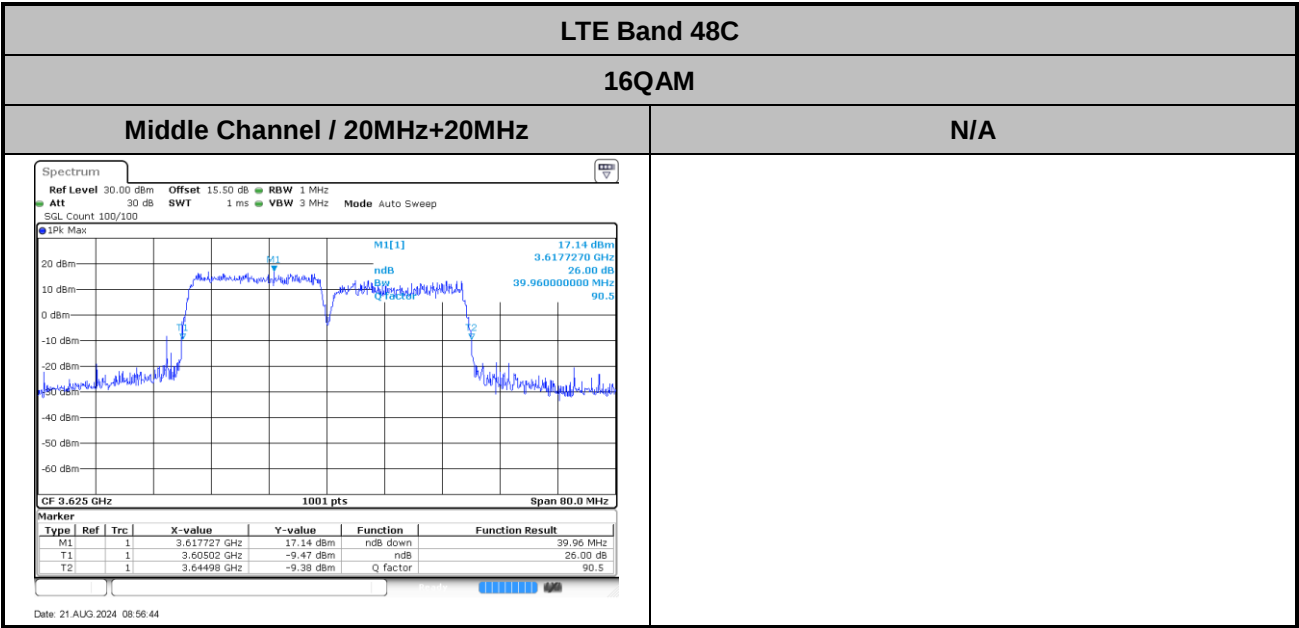


Date: 21 AUG 2024 05:33:22

Middle Channel / 20MHz+15MHz



Date: 21 AUG 2024 07:49:11



**Occupied Bandwidth**

Mode	LTE Band 48C : 99%OBW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.33	27.99	32.87	23.33
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.11	32.87	37.64	-

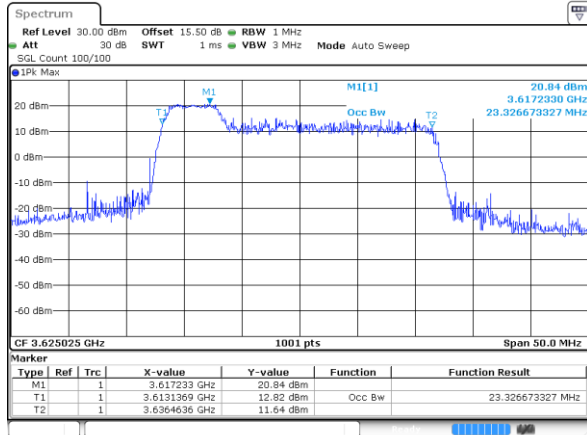
Mode	LTE Band 48C : 99%OBW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.18	28.11	32.94	23.23
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.73	37.80	-



LTE Band 48C

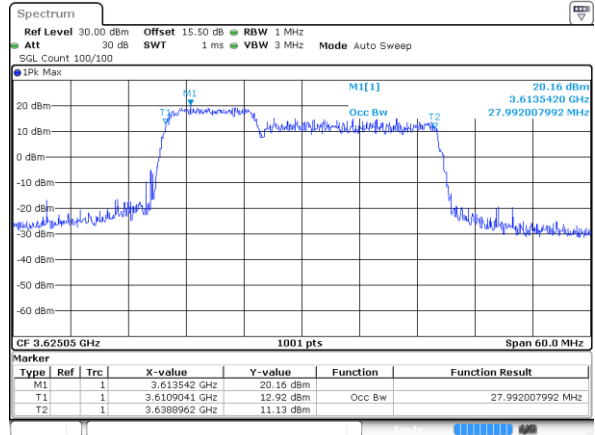
QPSK

Middle Channel / 5MHz+20MHz



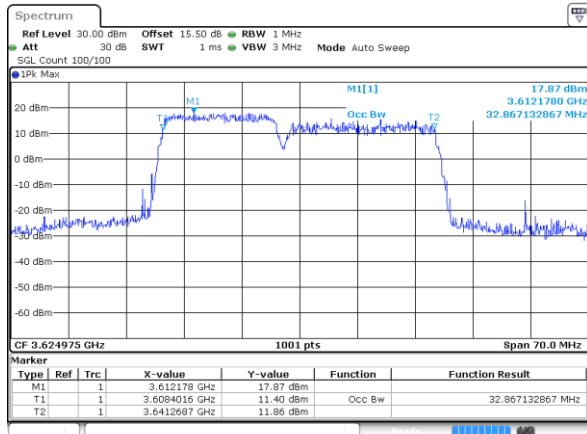
Date: 21 AUG 2024 02:08:49

Middle Channel / 10MHz+20MHz



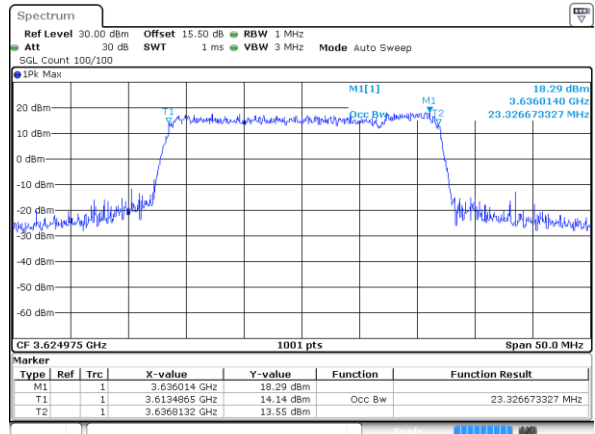
Date: 21 AUG 2024 04:24:14

Middle Channel / 15MHz+20MHz



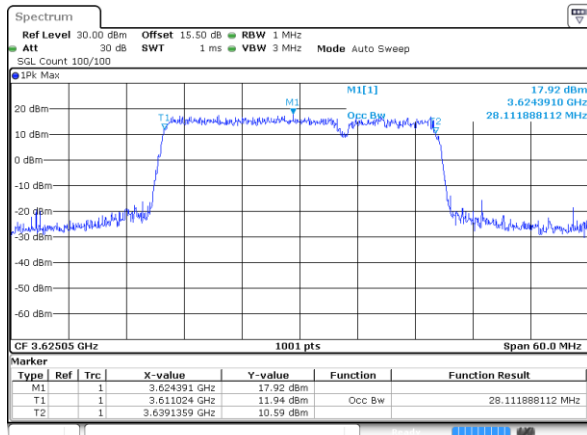
Date: 21 AUG 2024 06:39:51

Middle Channel / 20MHz+5MHz



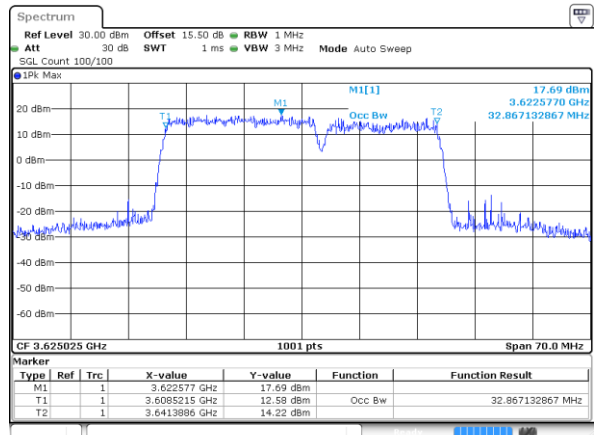
Date: 21 AUG 2024 03:16:25

Middle Channel / 20MHz+10MHz

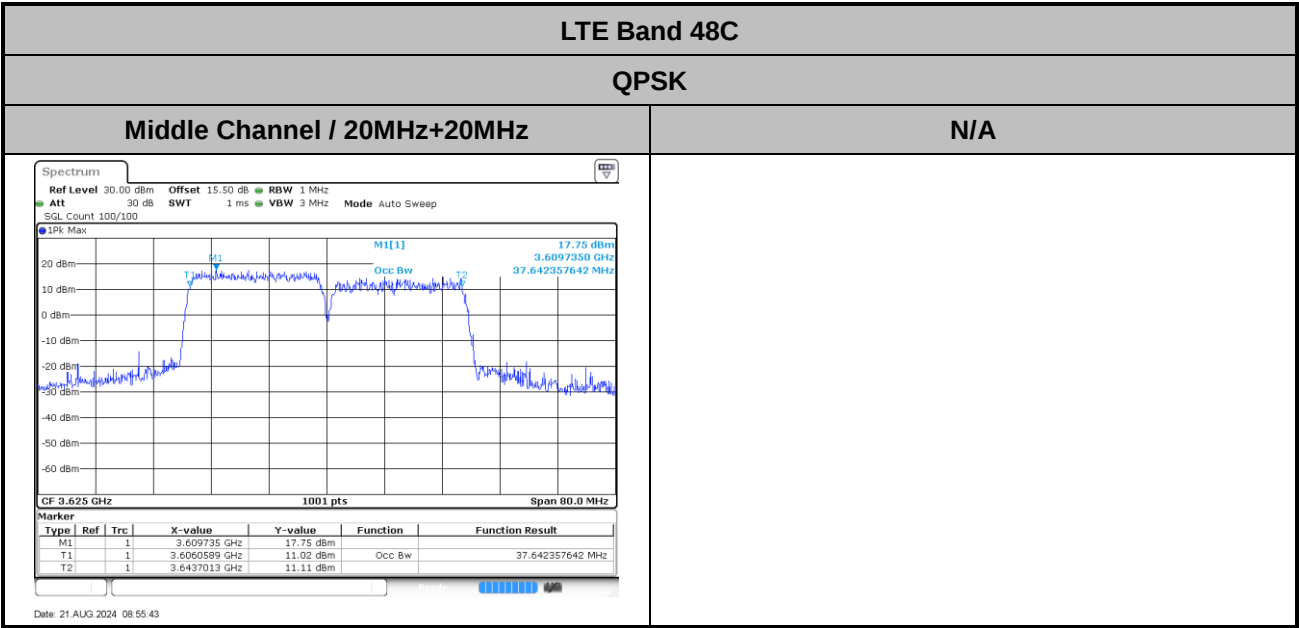


Date: 21 AUG 2024 05:32:10

Middle Channel / 20MHz+15MHz



Date: 21 AUG 2024 07:47:59

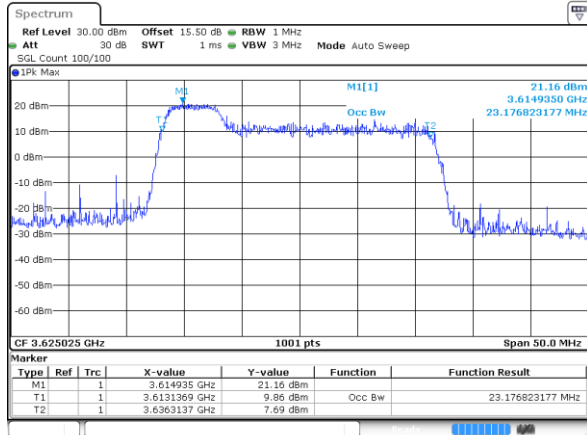




LTE Band 48C

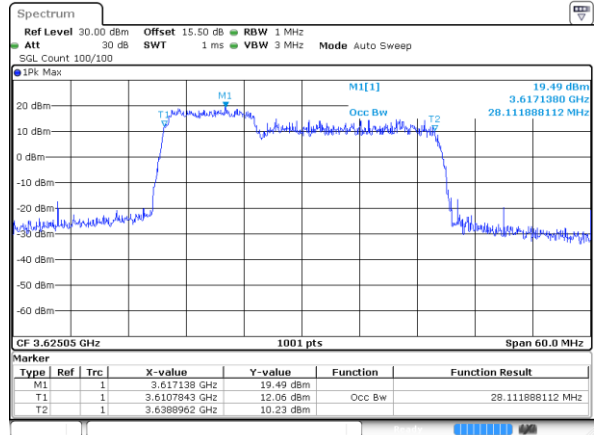
16QAM

Middle Channel / 5MHz+20MHz



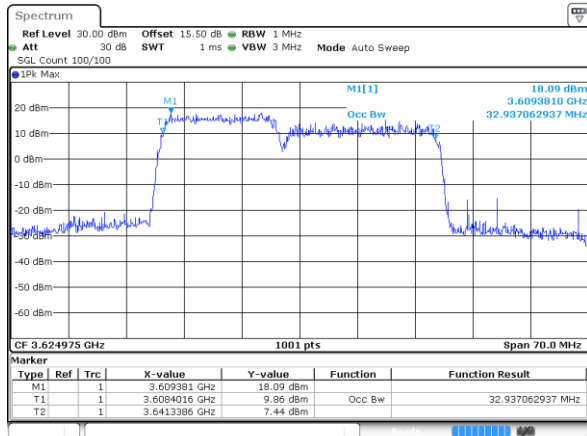
Date: 21 AUG 2024 02:10:37

Middle Channel / 10MHz+20MHz



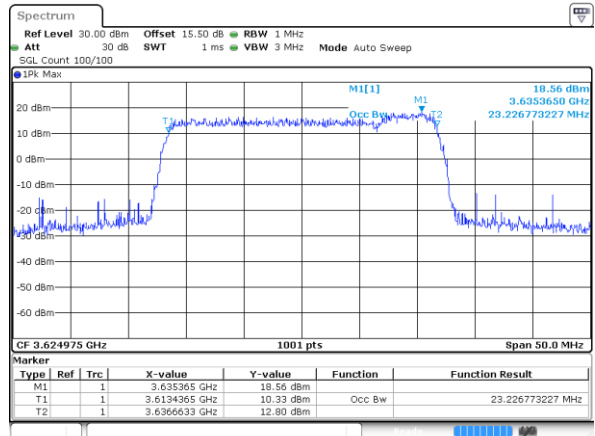
Date: 21 AUG 2024 04:26:01

Middle Channel / 15MHz+20MHz



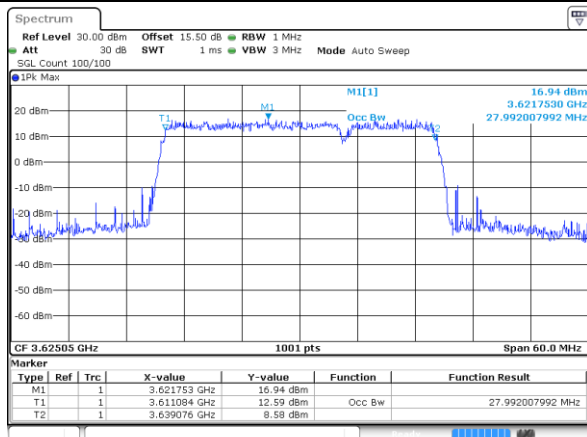
Date: 21 AUG 2024 06:41:38

Middle Channel / 20MHz+5MHz



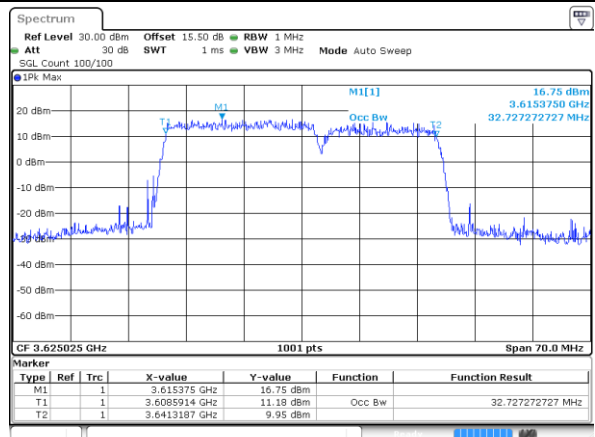
Date: 21 AUG 2024 03:18:12

Middle Channel / 20MHz+10MHz

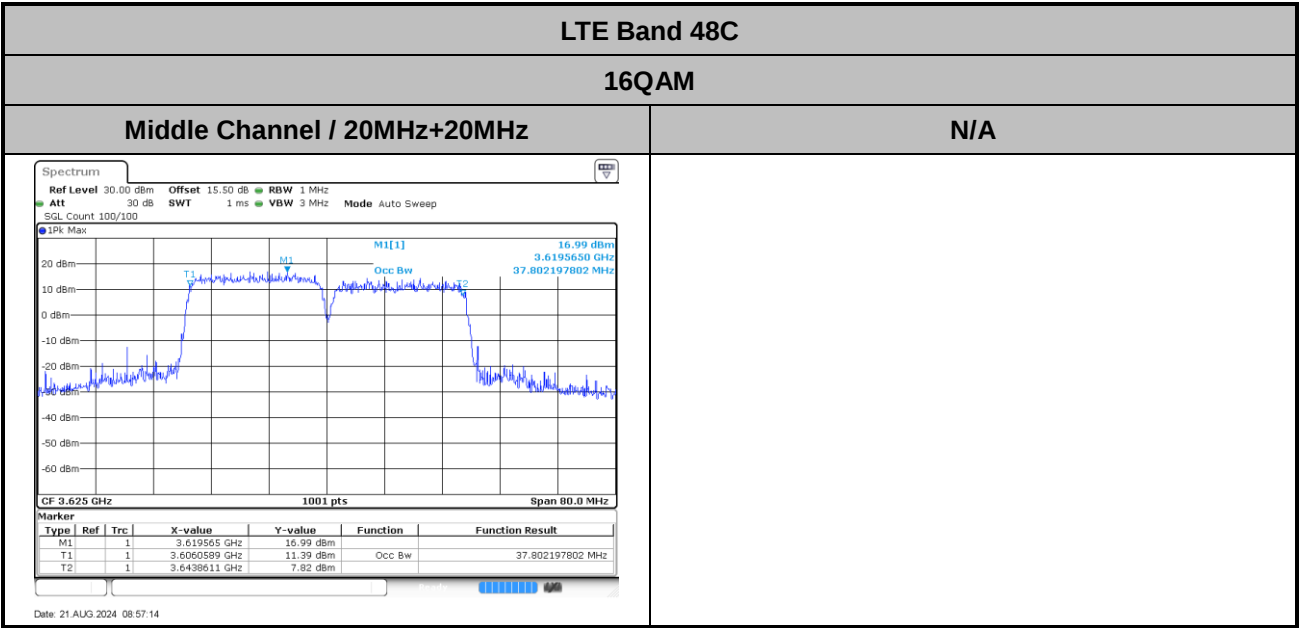


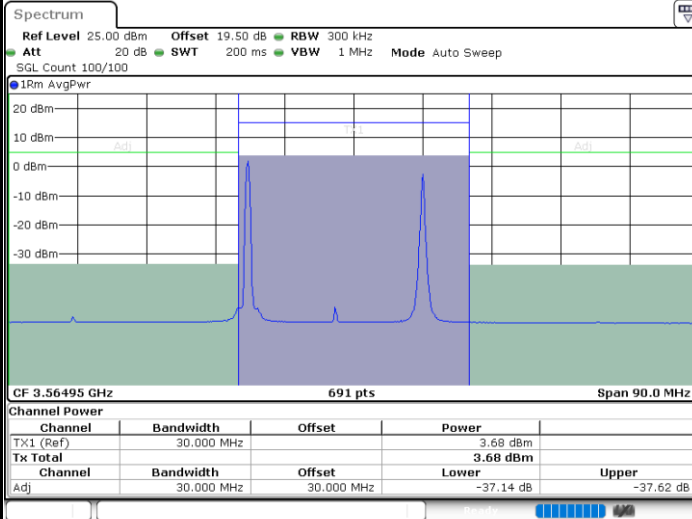
Date: 21 AUG 2024 05:33:58

Middle Channel / 20MHz+15MHz

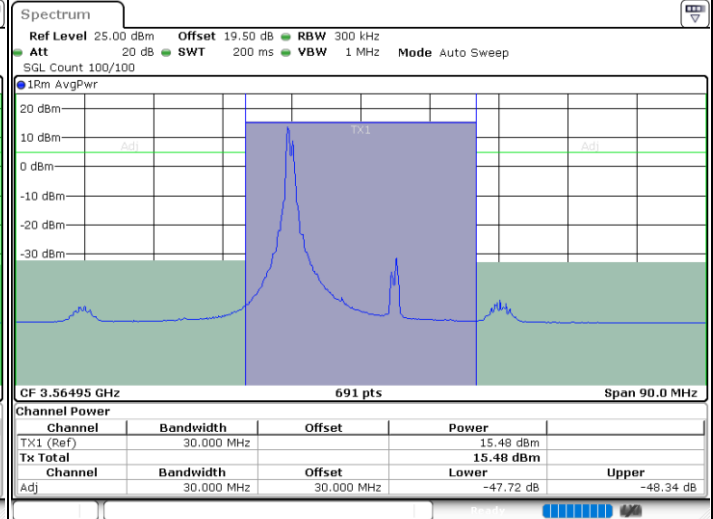


Date: 21 AUG 2024 07:49:47

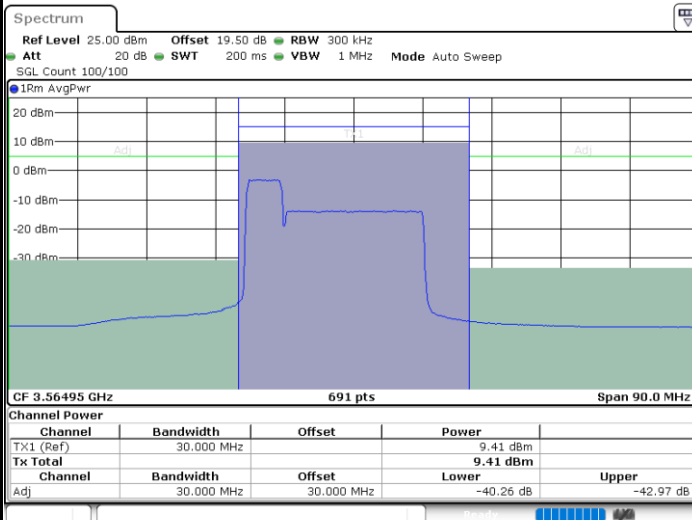


**ACLR****LTE Band 48C / 5MHz+20MHz****QPSK****Lowest Channel / 1RB0 and 1RB99****Lowest Channel / 1RB24 and 1RB0**

Date: 22.NOV.2024 14:10:40



Date: 22.NOV.2024 14:11:29

Lowest Channel / FullIRB**N/A**

Date: 22.NOV.2024 14:06:39

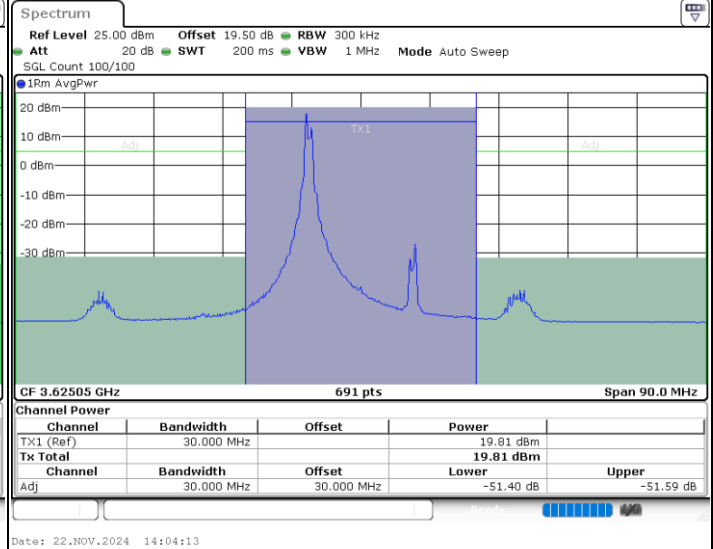
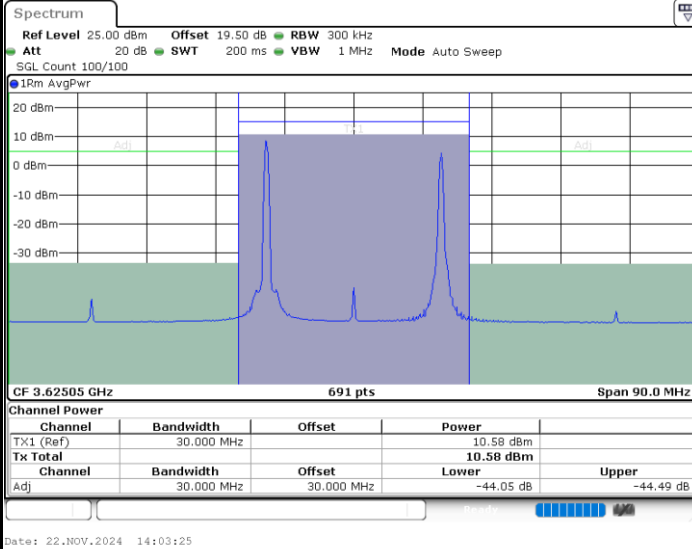


LTE Band 48C / 5MHz+20MHz

QPSK

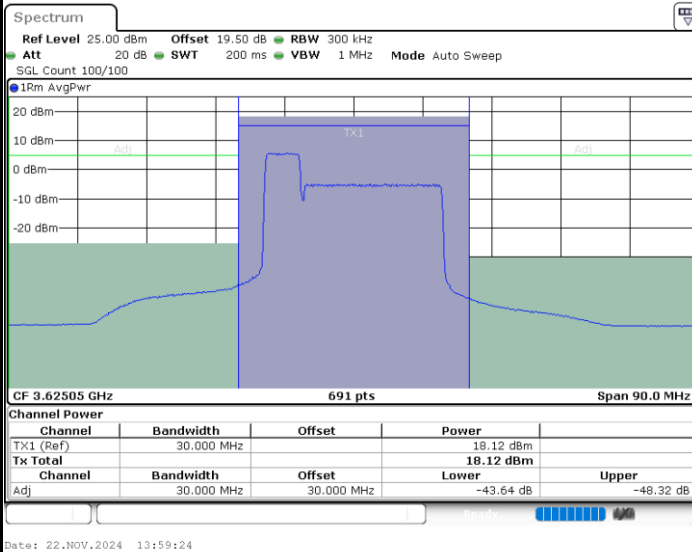
Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB24 and 1RB0



Middle Channel / FullRB

N/A



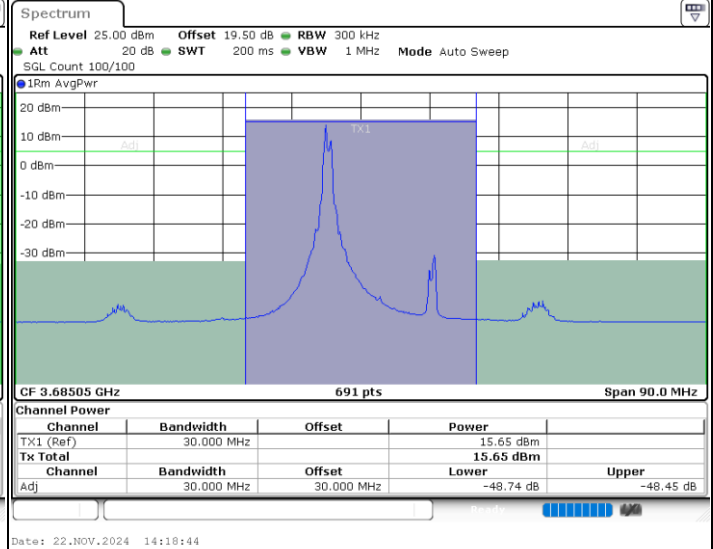
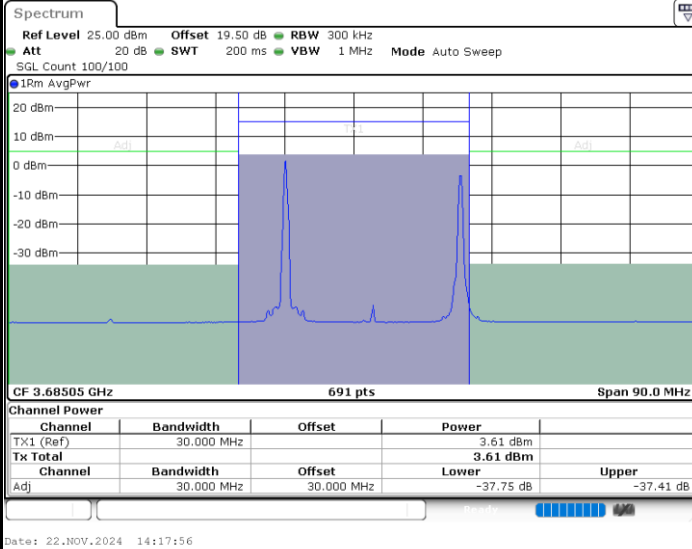


LTE Band 48C / 5MHz+20MHz

QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB24 and 1RB0



Highest Channel / FullRB

N/A

