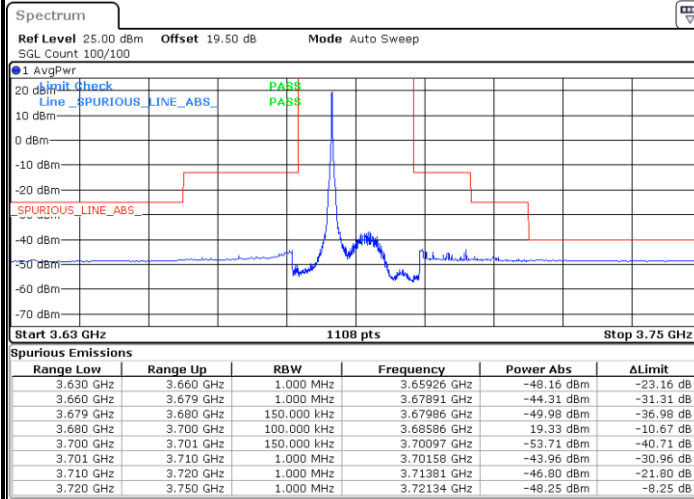




LTE Band 48 / 15MHz

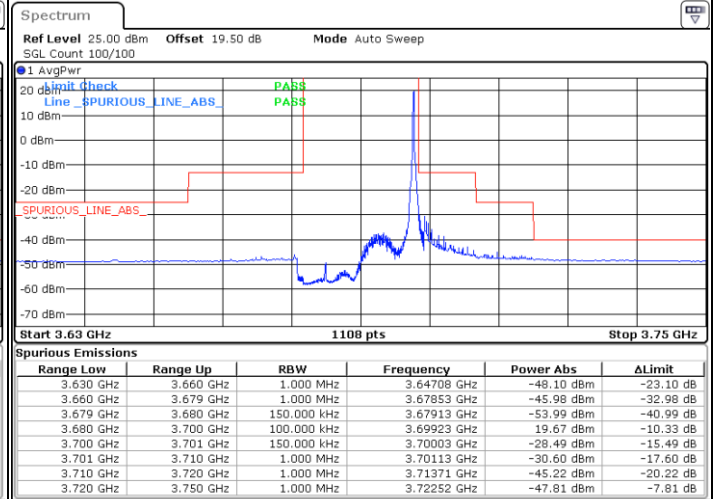
16QAM

Highest Channel / 1RB0



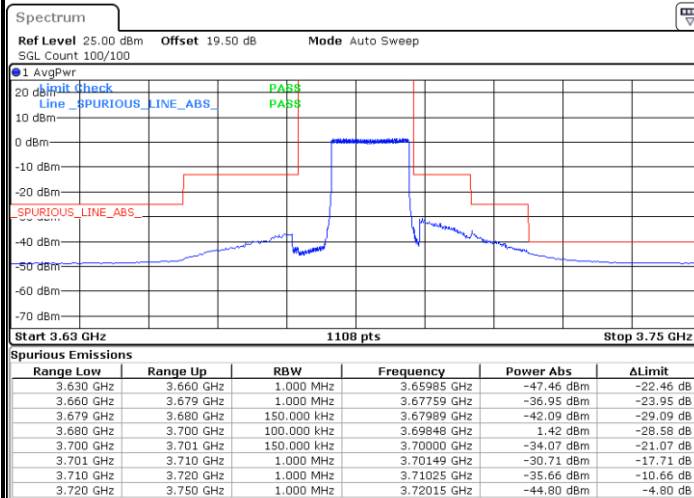
Date: 2.SEP.2024 19:15:46

Highest Channel / 1RBmax



Date: 2.SEP.2024 19:20:09

Highest Channel / FullRB



Date: 2.SEP.2024 19:24:33

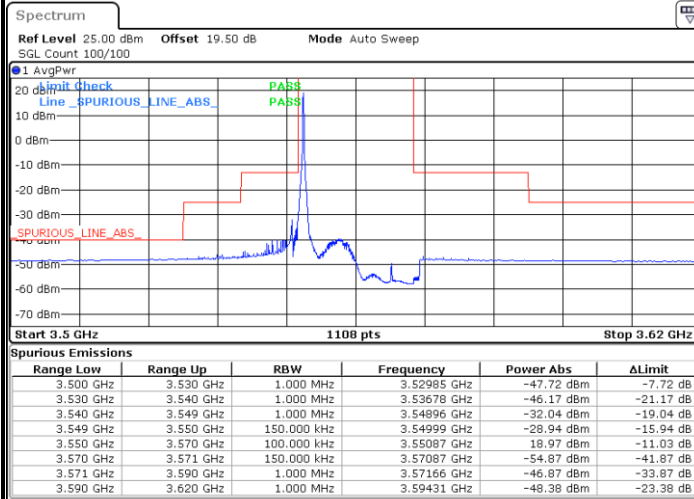
N/A



LTE Band 48 / 15MHz

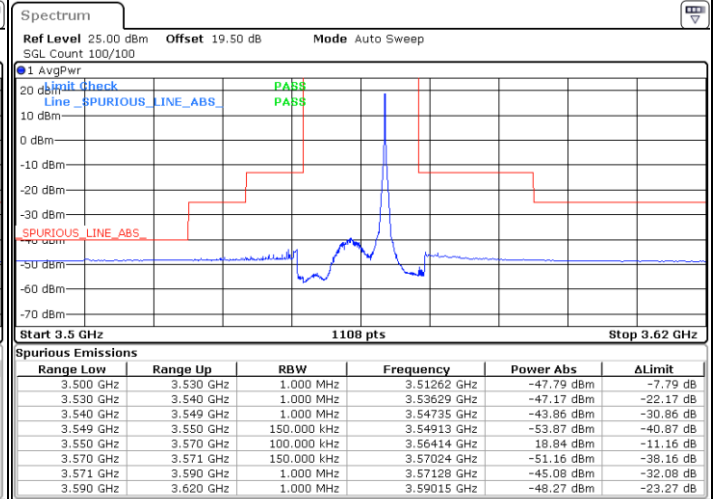
64QAM

Lowest Channel / 1RB0



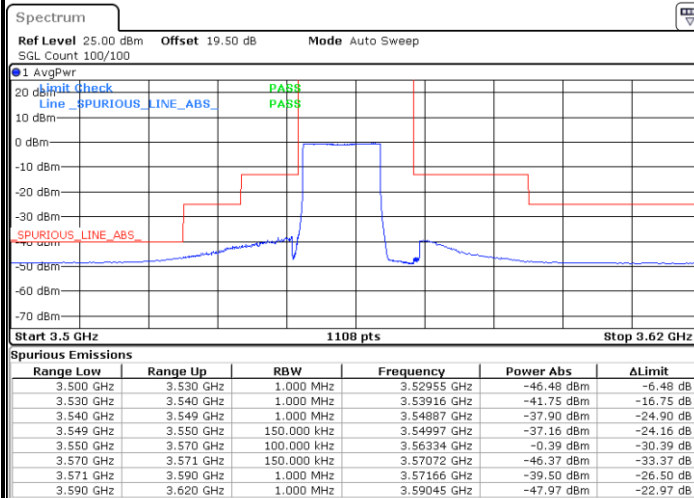
Date: 2.SEP.2024 18:27:59

Lowest Channel / 1RBmax



Date: 2.SEP.2024 18:35:19

Lowest Channel / FullIRB



Date: 2.SEP.2024 18:36:47

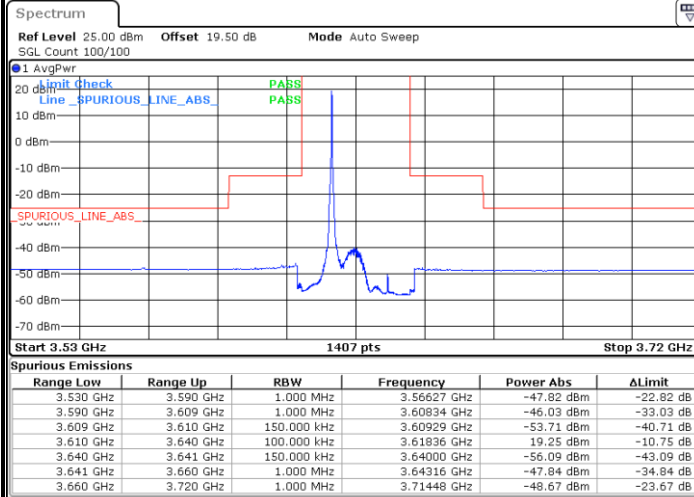
N/A



LTE Band 48 / 15MHz

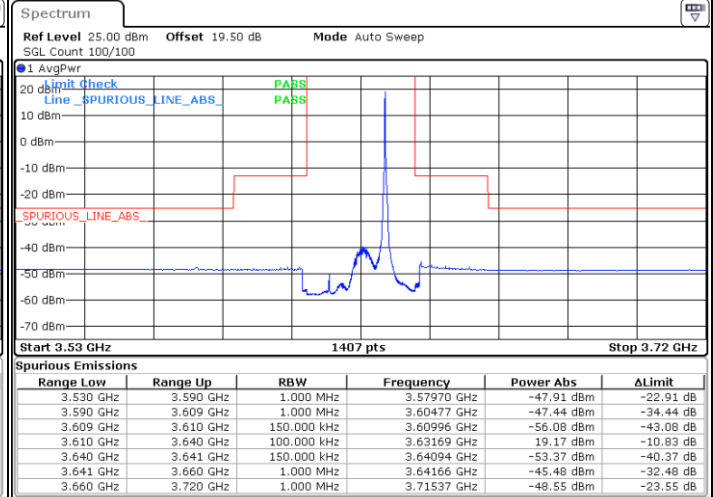
64QAM

Middle Channel / 1RB0



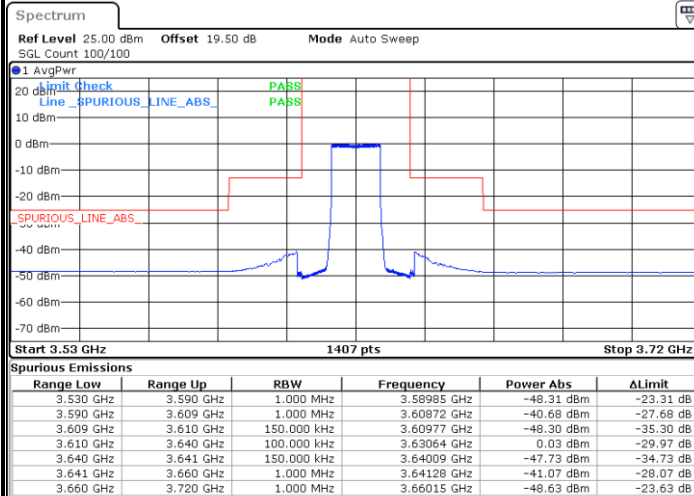
Date: 3.SEP.2024 02:00:06

Middle Channel / 1RBmax



Date: 3.SEP.2024 01:50:19

Middle Channel / FullRB



Date: 3.SEP.2024 01:48:21

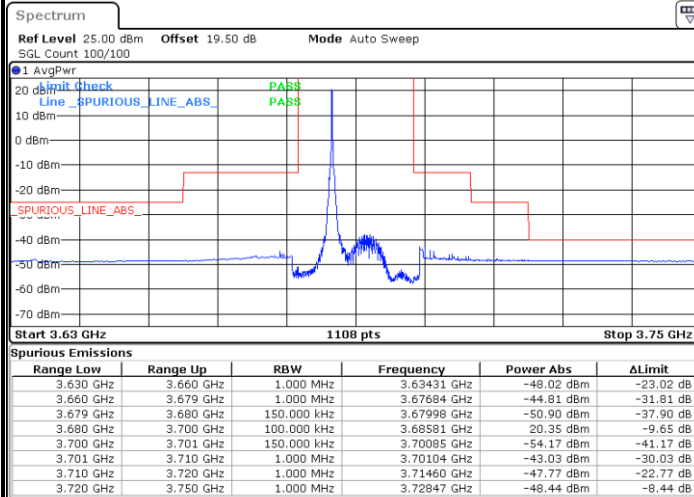
N/A



LTE Band 48 / 15MHz

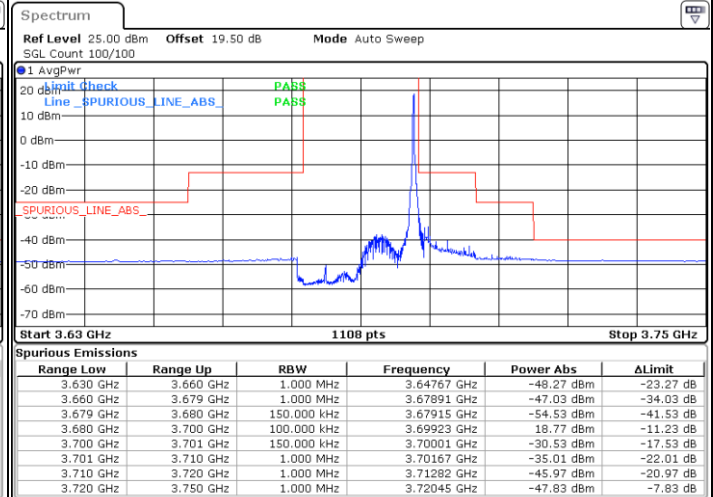
64QAM

Highest Channel / 1RB0



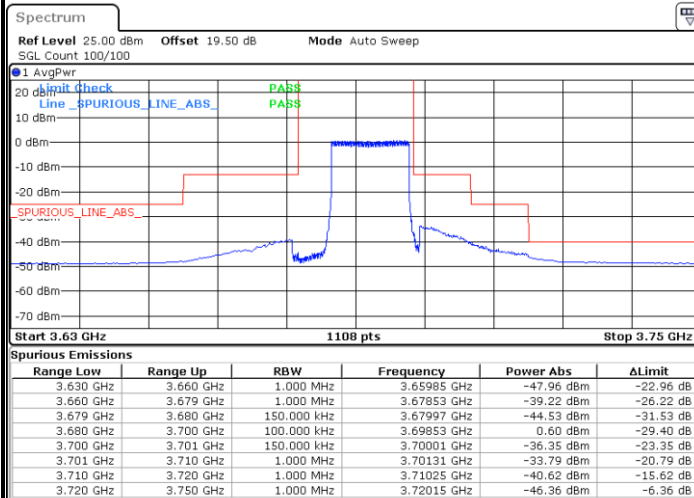
Date: 2.SEP.2024 19:14:18

Highest Channel / 1RBmax



Date: 2.SEP.2024 19:21:37

Highest Channel / FullRB



Date: 2.SEP.2024 19:23:05

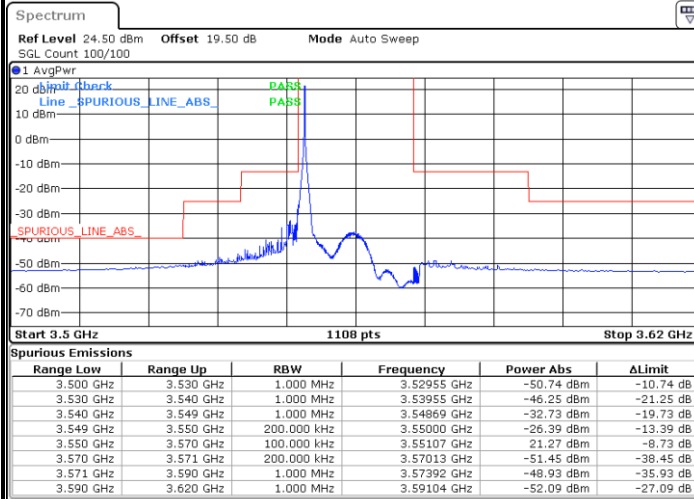
N/A



LTE Band 48 / 20MHz

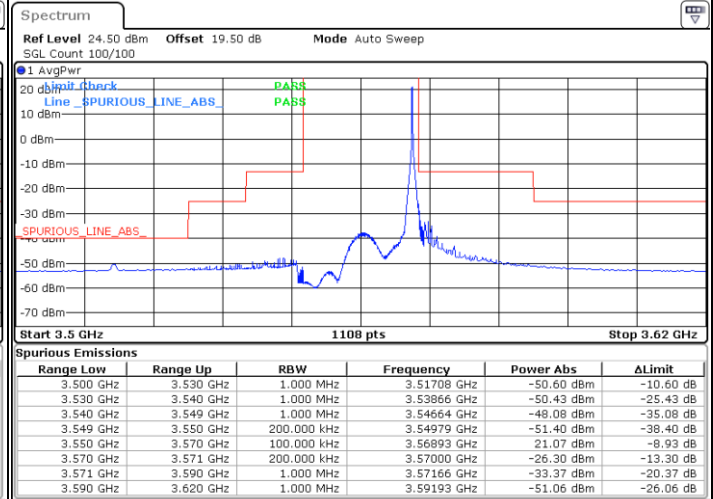
QPSK

Lowest Channel / 1RB0



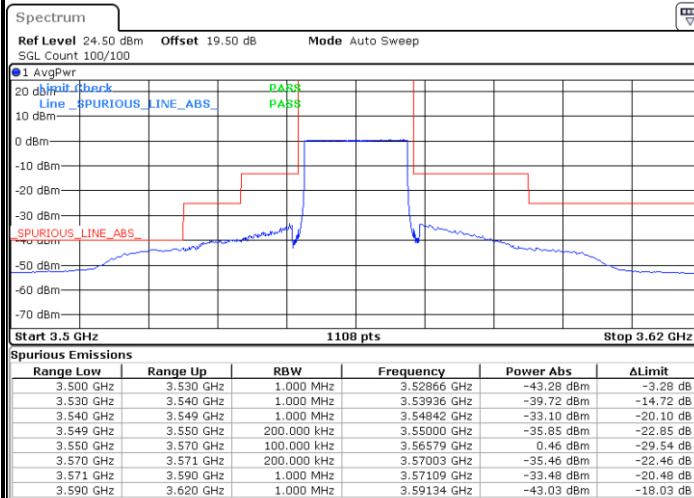
Date: 2.SEP.2024 19:36:05

Lowest Channel / 1RBmax



Date: 2.SEP.2024 19:43:27

Lowest Channel / FullIRB



Date: 2.SEP.2024 19:44:55

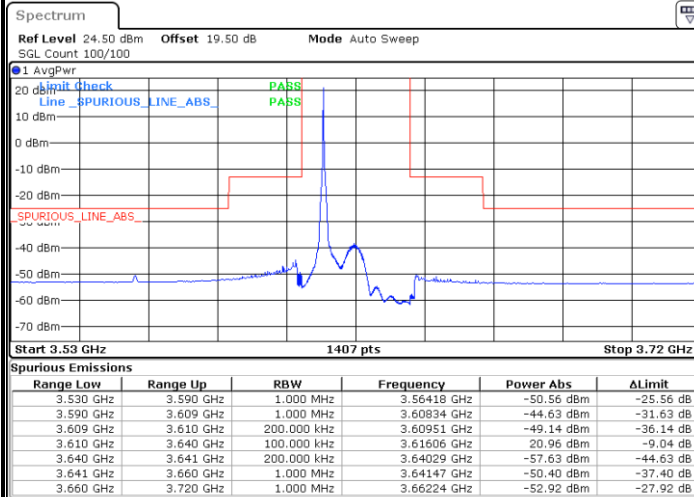
N/A



LTE Band 48 / 20MHz

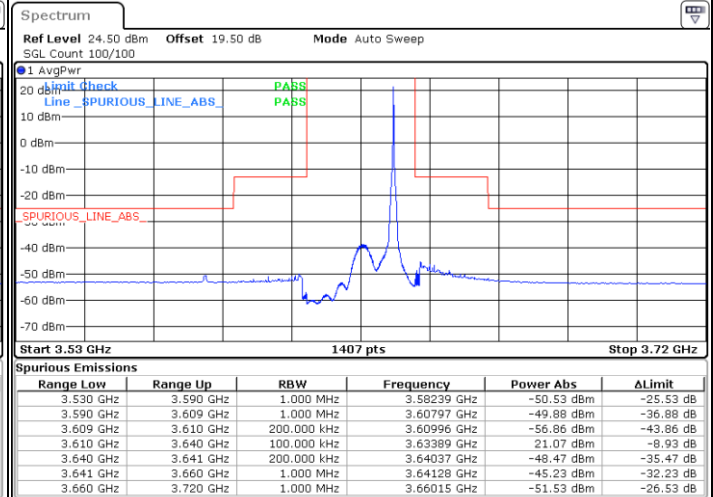
QPSK

Middle Channel / 1RB0



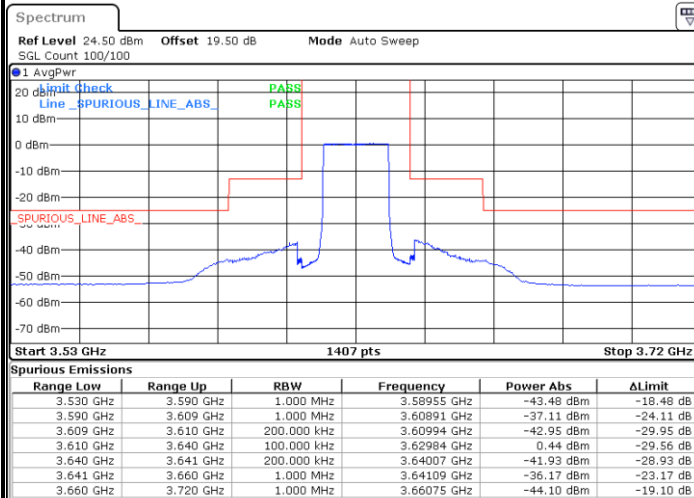
Date: 3.SEP.2024 02:18:43

Middle Channel / 1RBmax



Date: 3.SEP.2024 02:08:55

Middle Channel / FullRB



Date: 3.SEP.2024 02:06:57

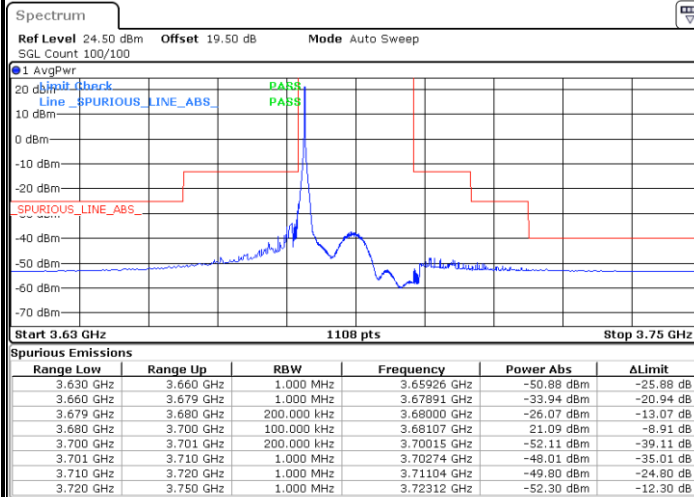
N/A



LTE Band 48 / 20MHz

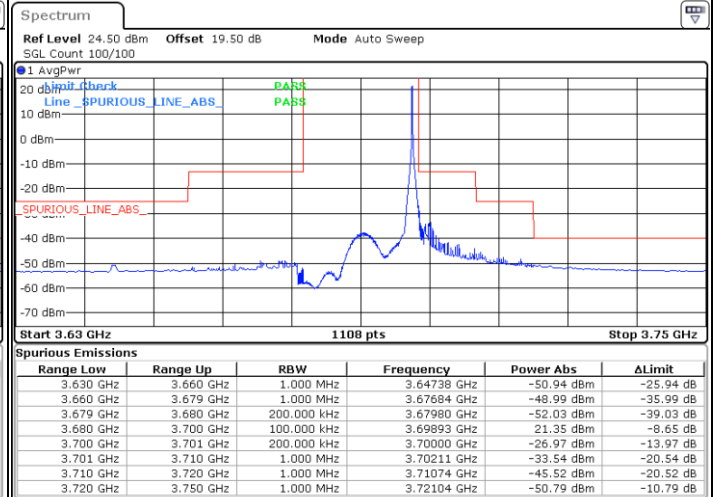
QPSK

Highest Channel / 1RB0



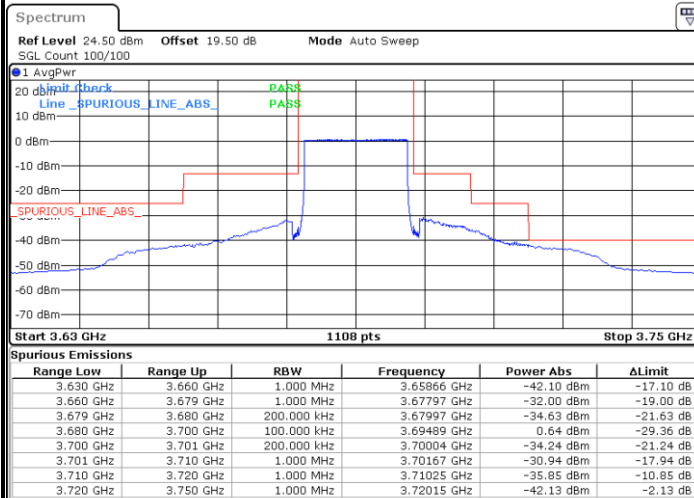
Date: 2.SEP.2024 20:23:35

Highest Channel / 1RBmax



Date: 2.SEP.2024 20:30:55

Highest Channel / FullRB



Date: 2.SEP.2024 20:32:23

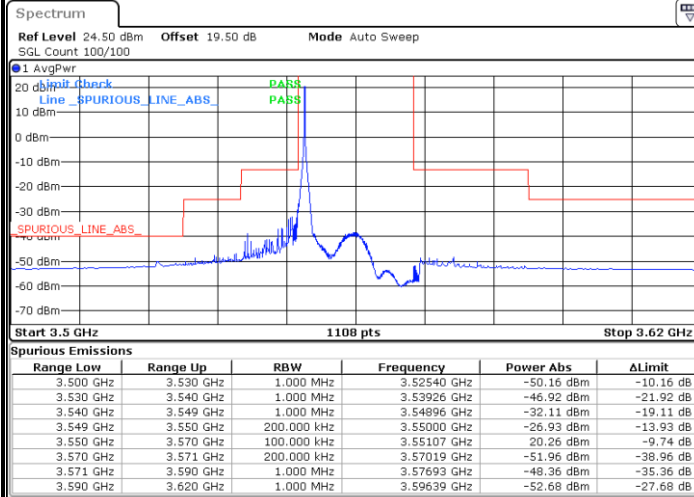
N/A



LTE Band 48 / 20MHz

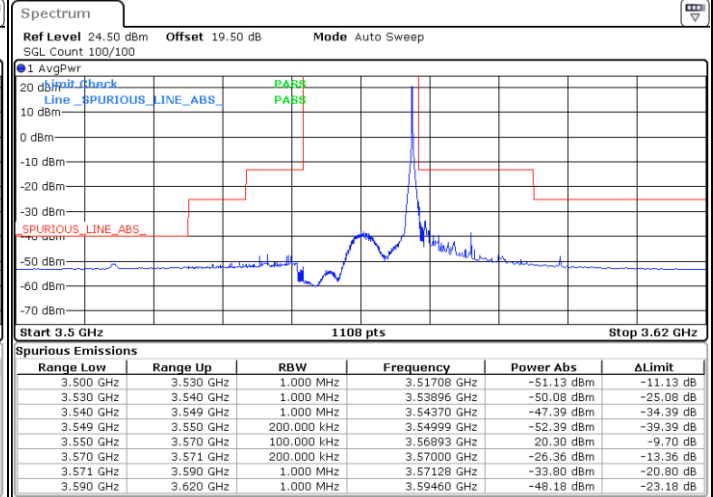
16QAM

Lowest Channel / 1RB0



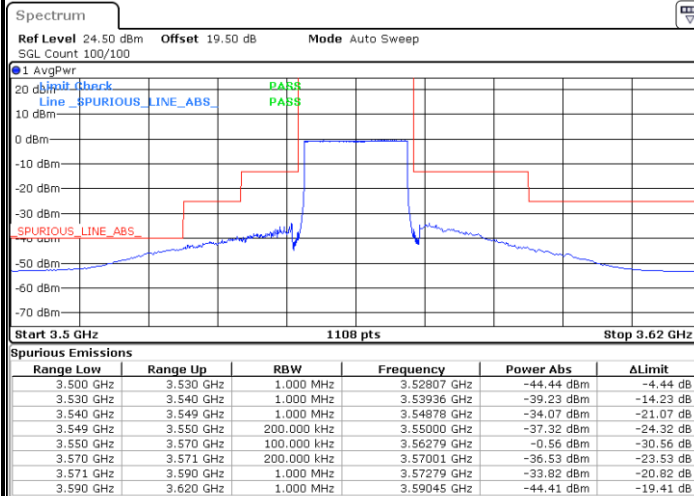
Date: 2.SEP.2024 19:37:33

Lowest Channel / 1RBmax



Date: 2.SEP.2024 19:41:58

Lowest Channel / FullIRB



Date: 2.SEP.2024 19:46:24

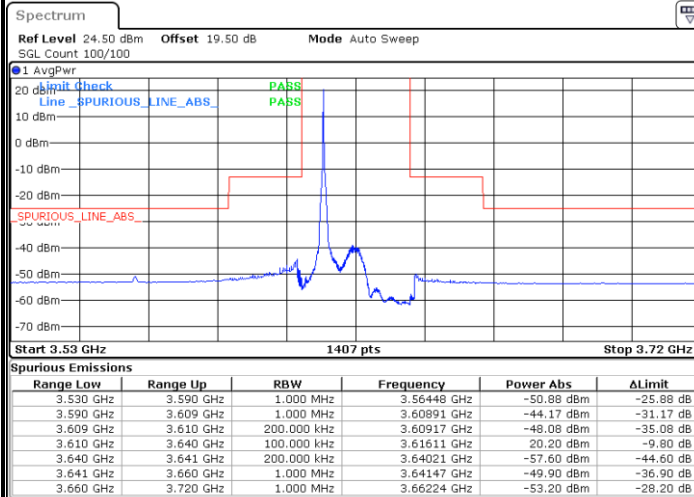
N/A



LTE Band 48 / 20MHz

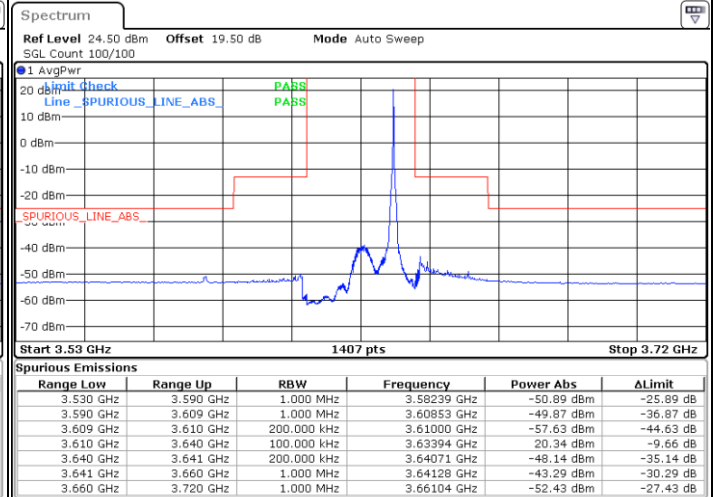
16QAM

Middle Channel / 1RB0



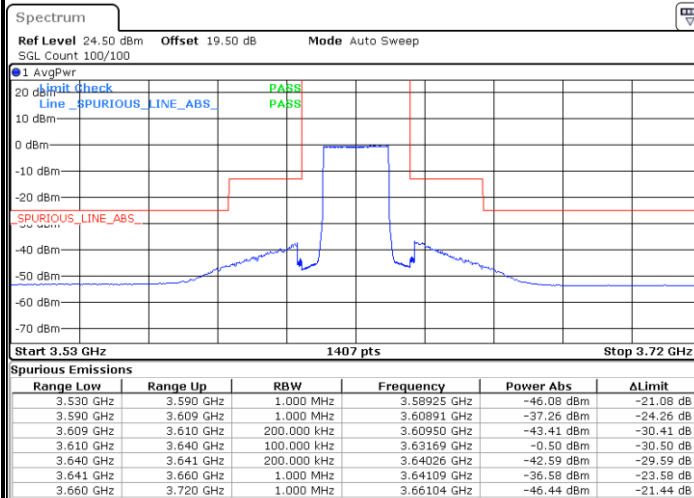
Date: 3.SEP.2024 02:16:45

Middle Channel / 1RBmax



Date: 3.SEP.2024 02:10:53

Middle Channel / FullIRB



Date: 3.SEP.2024 02:05:00

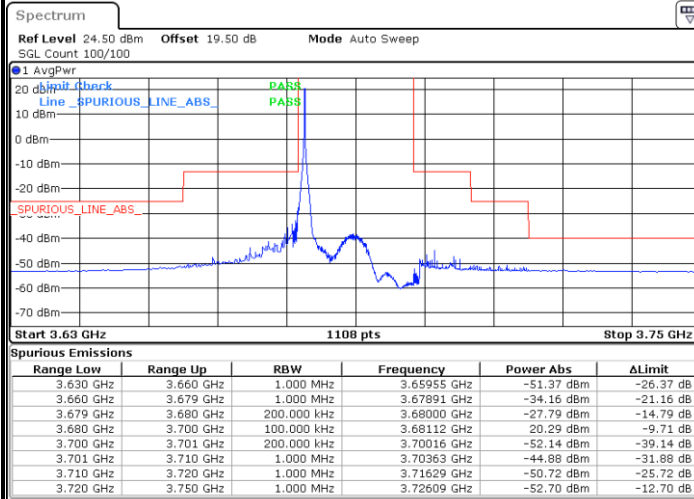
N/A



LTE Band 48 / 20MHz

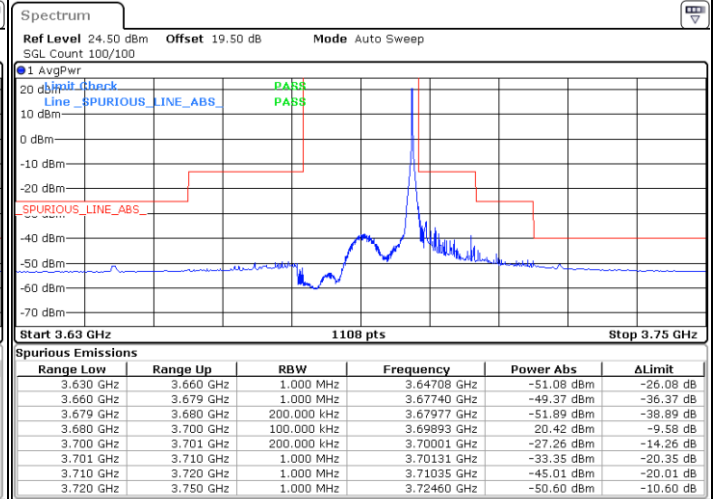
16QAM

Highest Channel / 1RB0



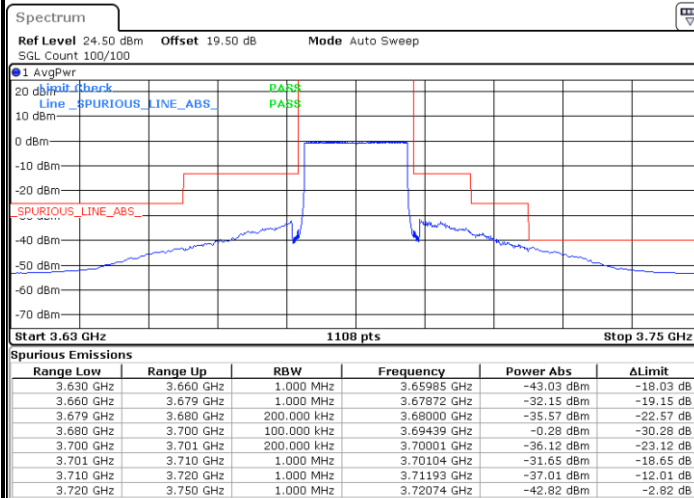
Date: 2.SEP.2024 20:25:03

Highest Channel / 1RBmax



Date: 2.SEP.2024 20:29:27

Highest Channel / FullRB



Date: 2.SEP.2024 20:33:51

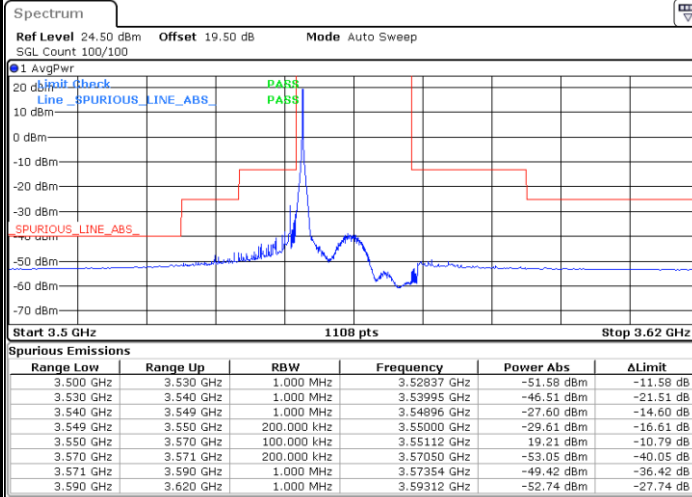
N/A



LTE Band 48 / 20MHz

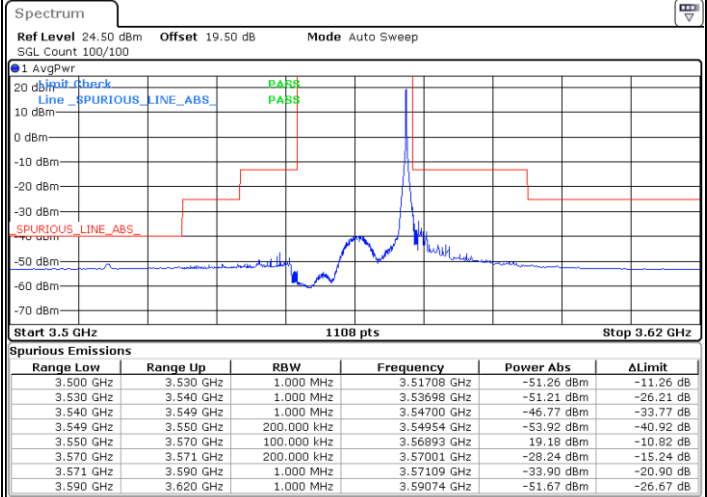
64QAM

Lowest Channel / 1RB0



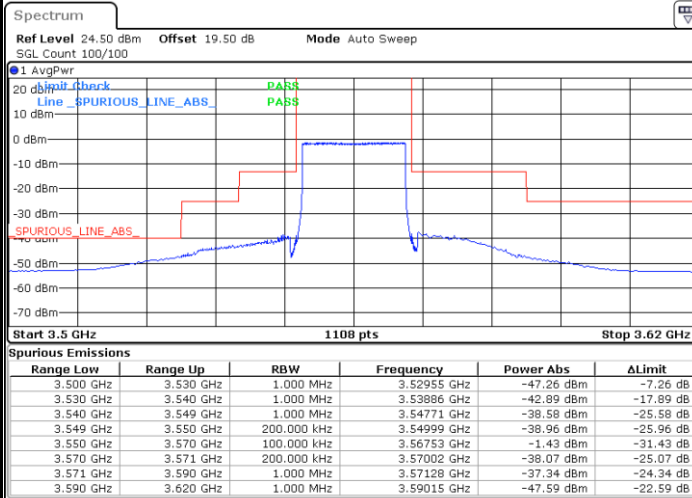
Date: 2.SEP.2024 19:39:01

Lowest Channel / 1RBmax



Date: 2.SEP.2024 19:40:30

Lowest Channel / FullIRB



Date: 2.SEP.2024 19:47:52

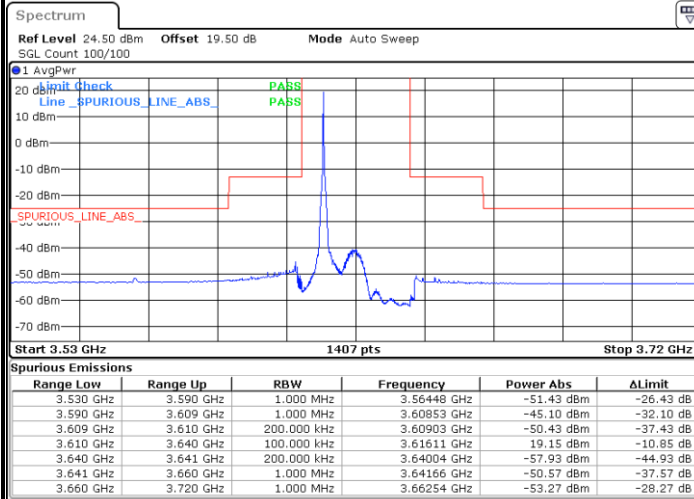
N/A



LTE Band 48 / 20MHz

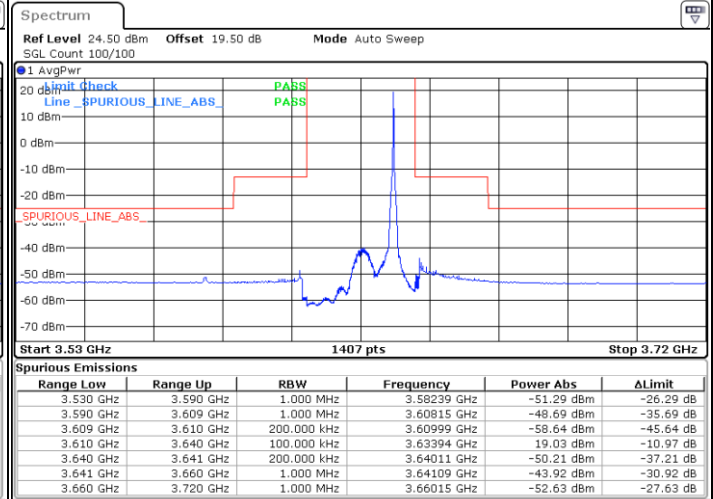
64QAM

Middle Channel / 1RB0



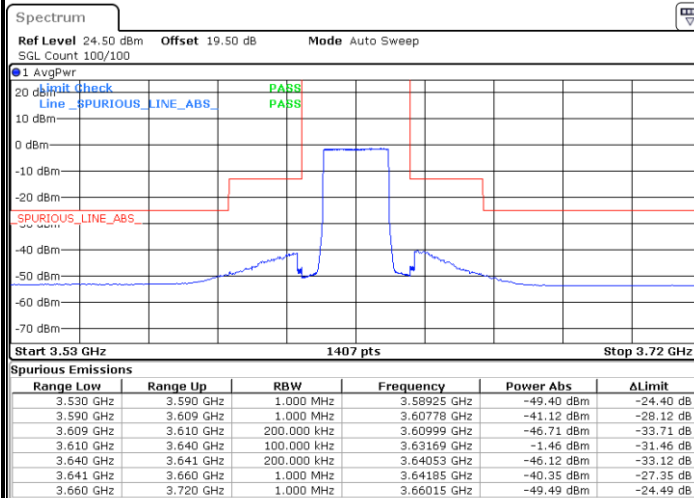
Date: 3.SEP.2024 02:14:48

Middle Channel / 1RBmax



Date: 3.SEP.2024 02:12:50

Middle Channel / FullIRB



Date: 3.SEP.2024 02:03:02

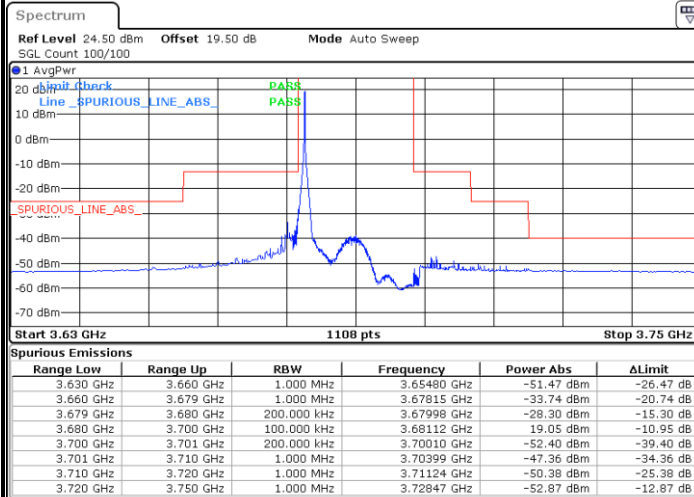
N/A



LTE Band 48 / 20MHz

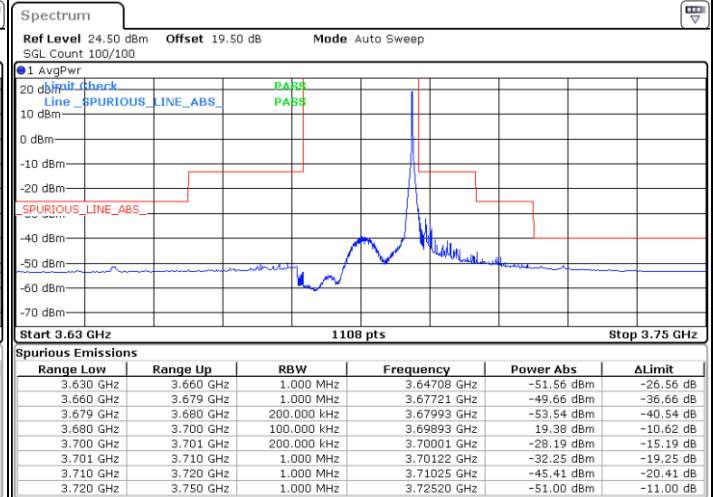
64QAM

Highest Channel / 1RB0



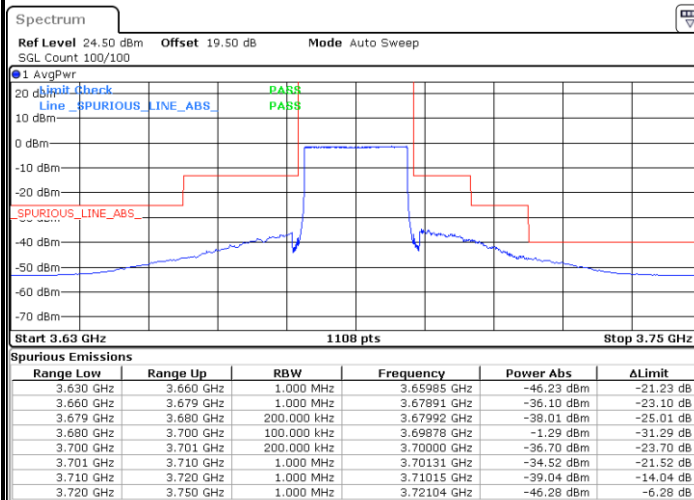
Date: 2.SEP.2024 20:26:31

Highest Channel / 1RBmax



Date: 2.SEP.2024 20:27:59

Highest Channel / FullRB



Date: 2.SEP.2024 20:35:19

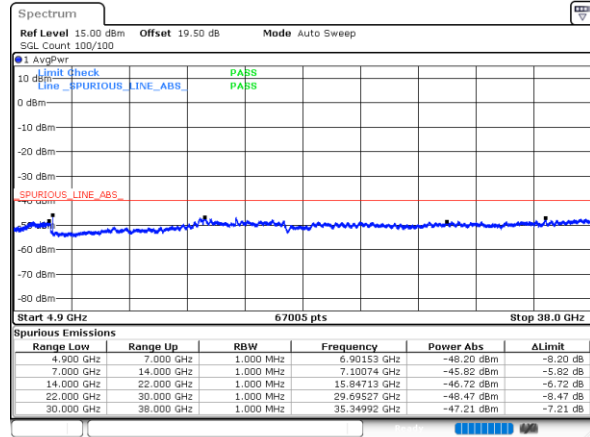
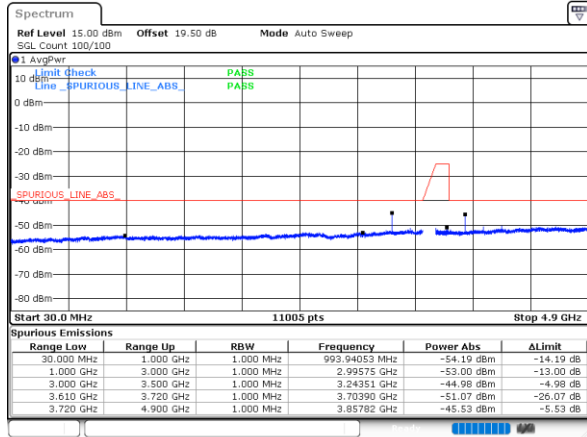
N/A



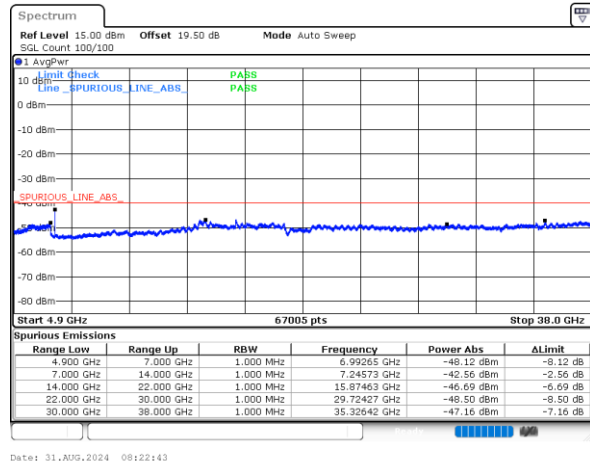
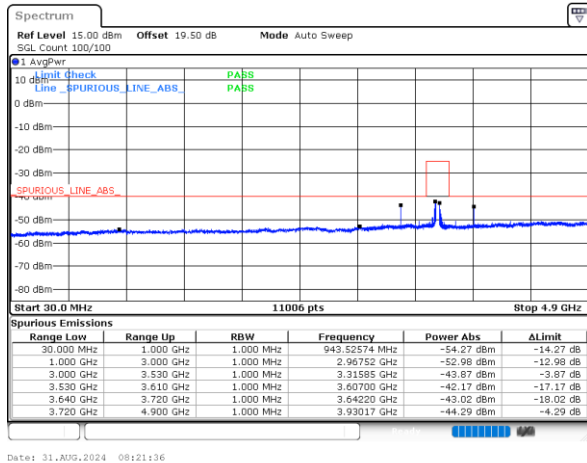
Conducted Spurious Emission

LTE Band 48 / 5MHz

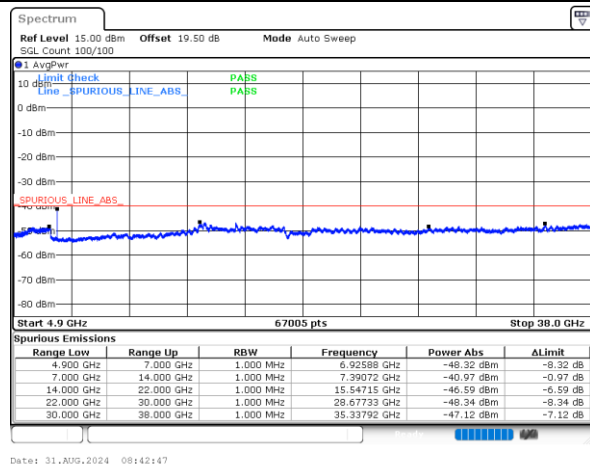
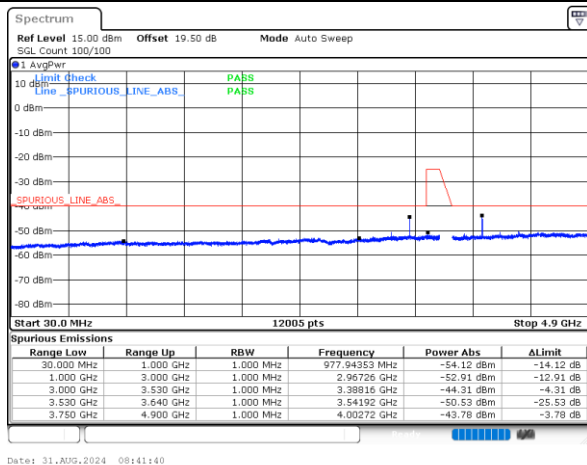
Lowest Channel / QPSK



Middle Channel / QPSK



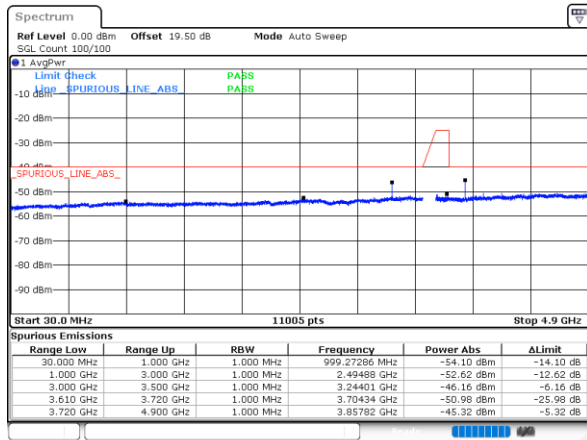
Highest Channel / QPSK



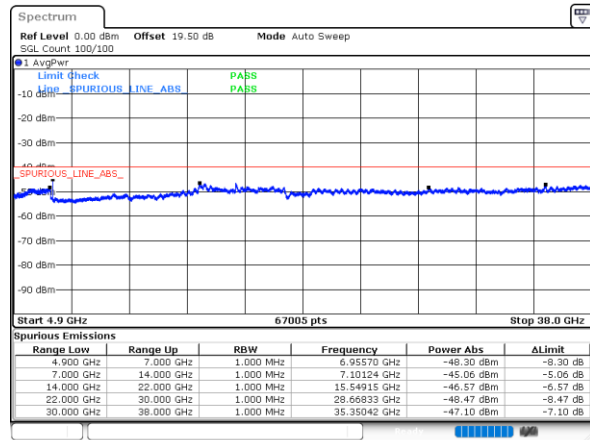


LTE Band 48 / 10MHz

Lowest Channel / QPSK

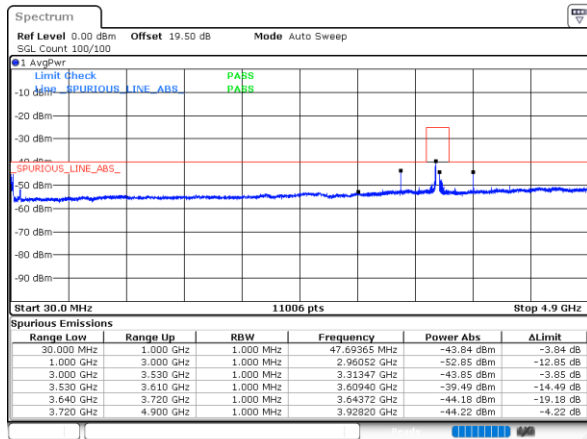


Date: 31.AUG.2024 09:01:31

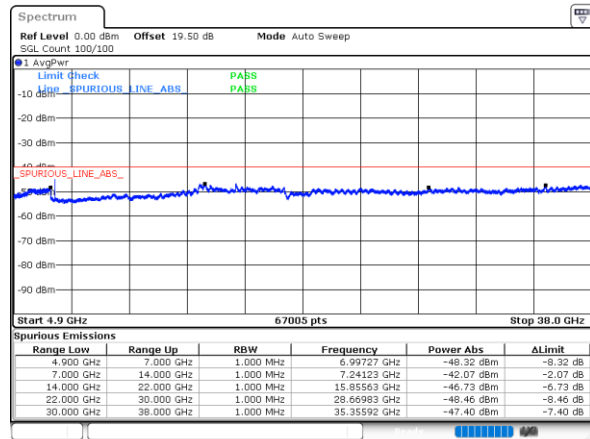


Date: 31.AUG.2024 09:02:38

Middle Channel / QPSK

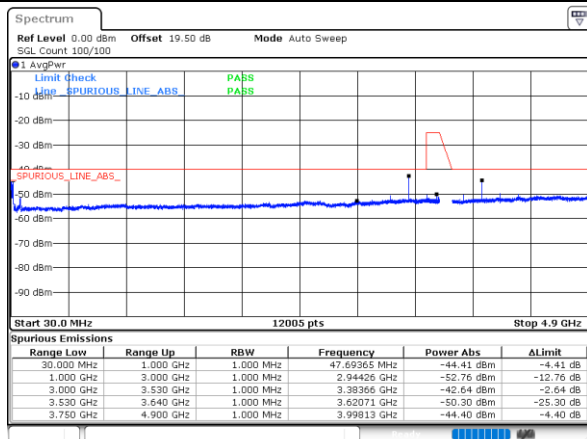


Date: 2.SEP.2024 17:57:28

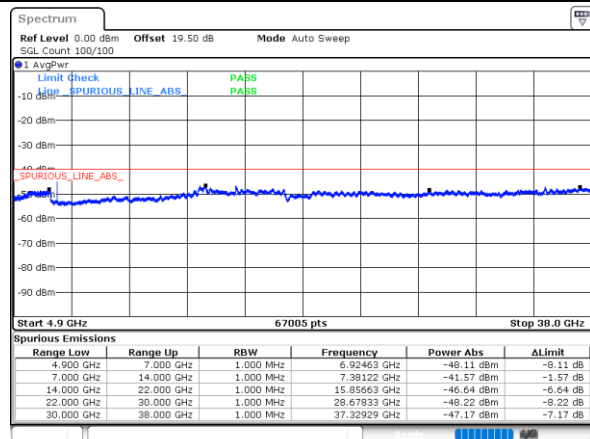


Date: 3.SEP.2024 13:34:37

Highest Channel / QPSK



Date: 2.SEP.2024 18:19:21

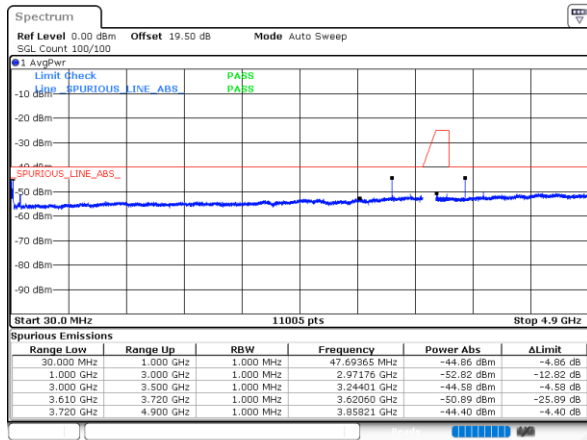


Date: 3.SEP.2024 13:36:02

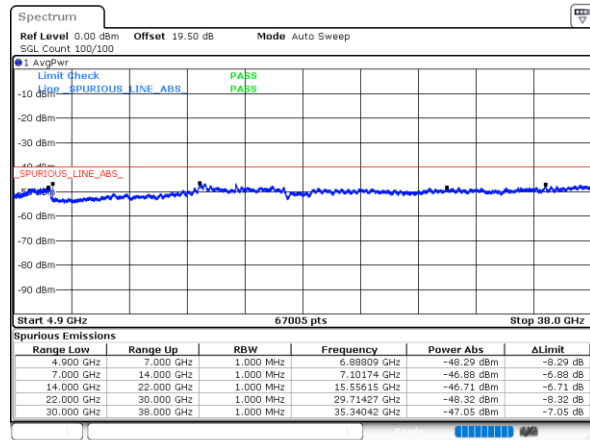


LTE Band 48 / 15MHz

Lowest Channel / QPSK

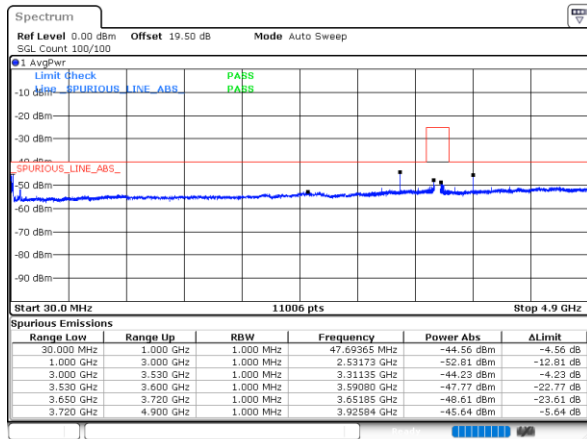


Date: 2.SEP.2024 18:41:15

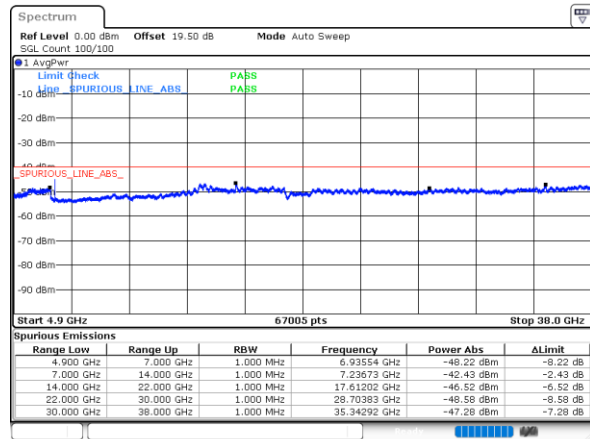


Date: 3.SEP.2024 13:38:29

Middle Channel / QPSK

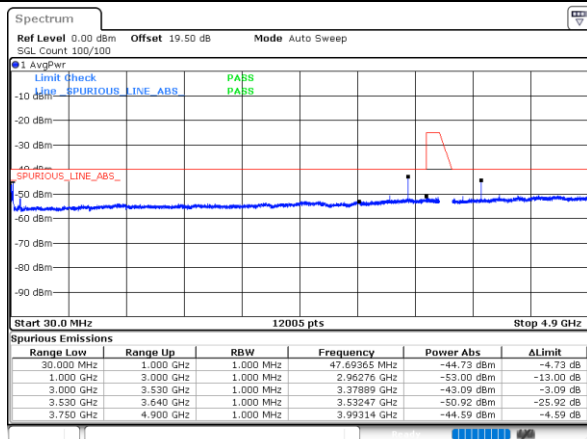


Date: 2.SEP.2024 19:05:10

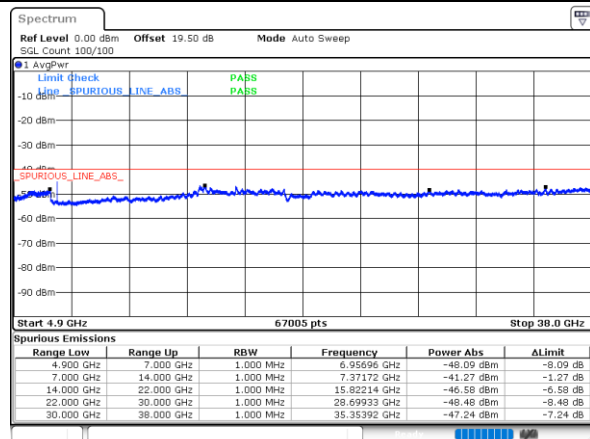


Date: 3.SEP.2024 13:39:58

Highest Channel / QPSK



Date: 2.SEP.2024 19:27:34

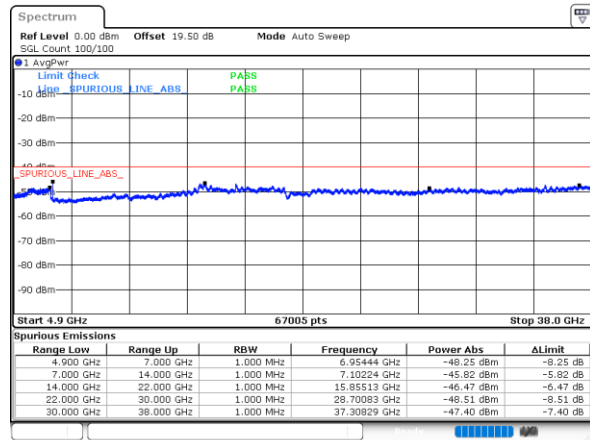
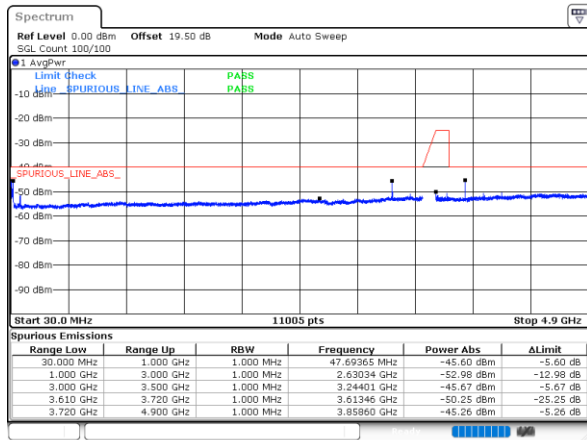


Date: 3.SEP.2024 13:41:59

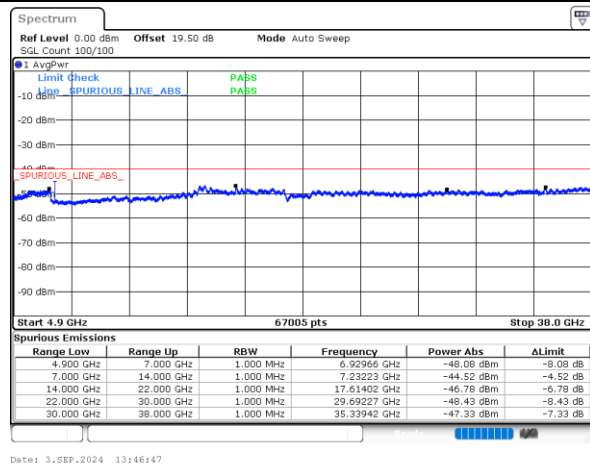
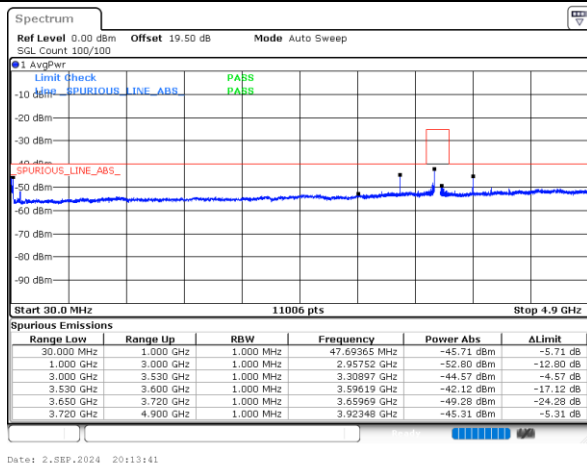


LTE Band 48 / 20MHz

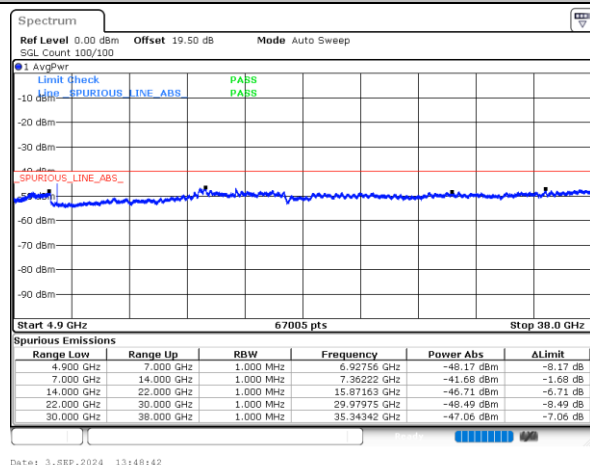
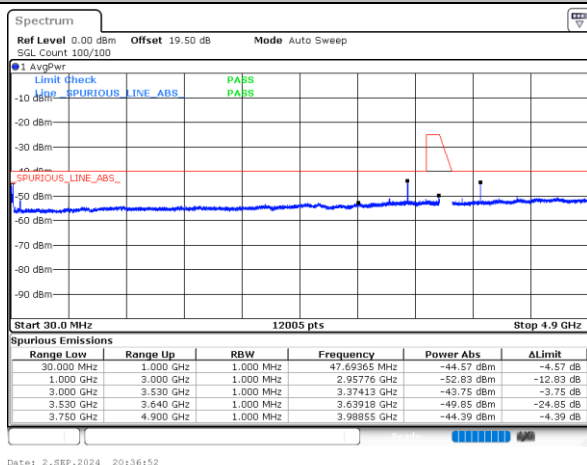
Lowest Channel / QPSK



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	0.0012	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0003	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0027	
20	Minimum Voltage	0.0005	

Note:

1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.4 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	24.83	29.97	34.97	25.03
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.27	35.11	40.12	-

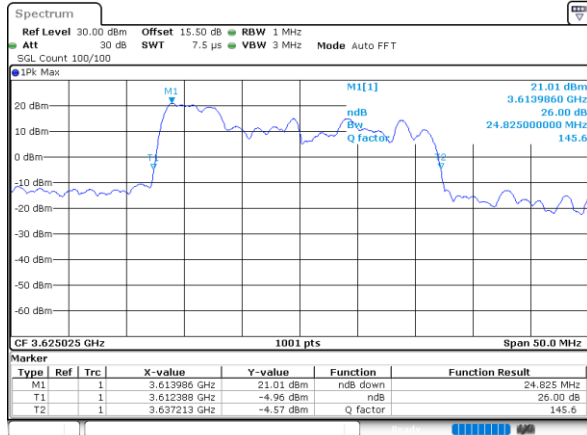
Mode	LTE Band 48C : 26dB BW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	24.63	29.85	34.76	25.03
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.33	34.90	39.88	-



LTE Band 48C

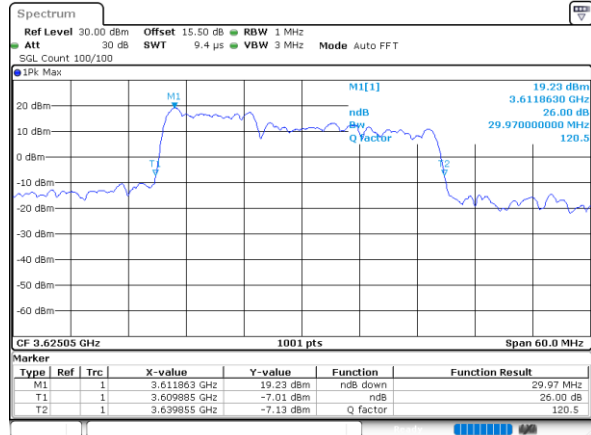
QPSK

Middle Channel / 5MHz+20MHz



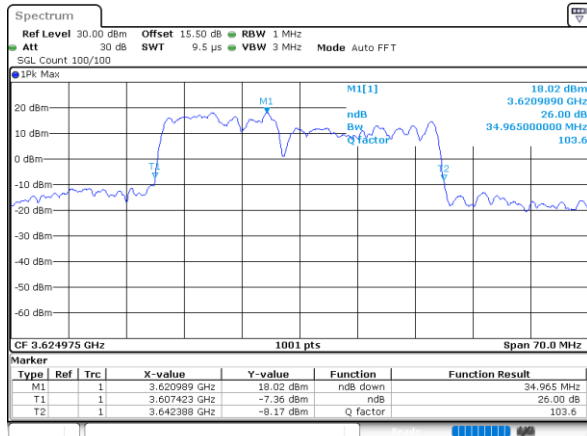
Date: 30.AUG.2024 17:29:45

Middle Channel / 10MHz+20MHz



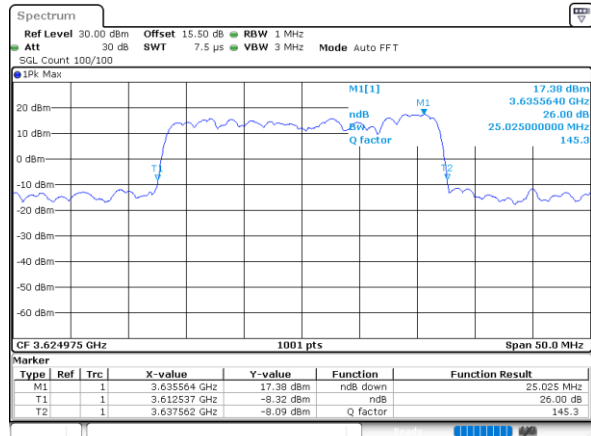
Date: 30.AUG.2024 19:50:139

Middle Channel / 15MHz+20MHz



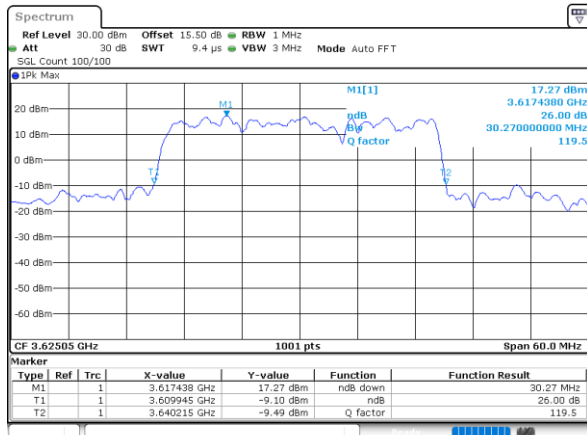
Date: 31.AUG.2024 03:37:27

Middle Channel / 20MHz+5MHz



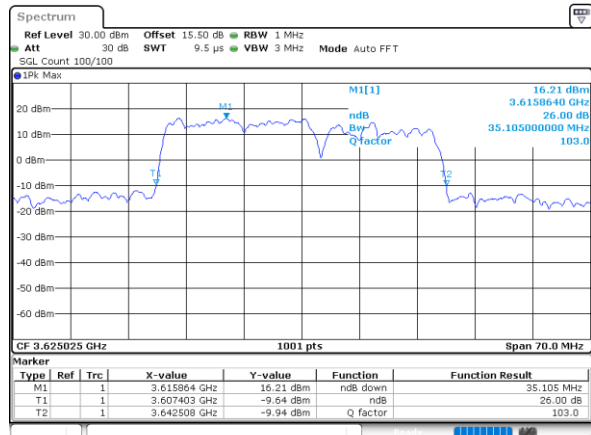
Date: 30.AUG.2024 18:44:145

Middle Channel / 20MHz+10MHz



Date: 31.AUG.2024 02:31:18

Middle Channel / 20MHz+15MHz



Date: 31.AUG.2024 04:47:112

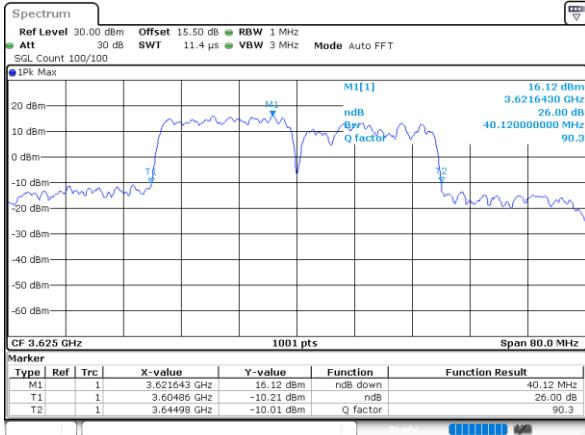


LTE Band 48C

QPSK

Middle Channel / 20MHz+20MHz

N/A



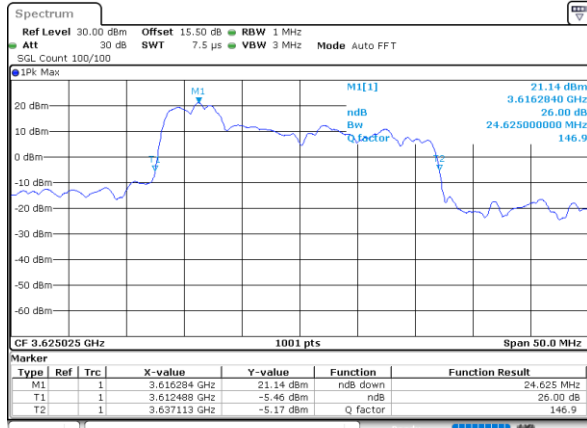
Date: 31.AUG.2024 05:55:21



LTE Band 48C

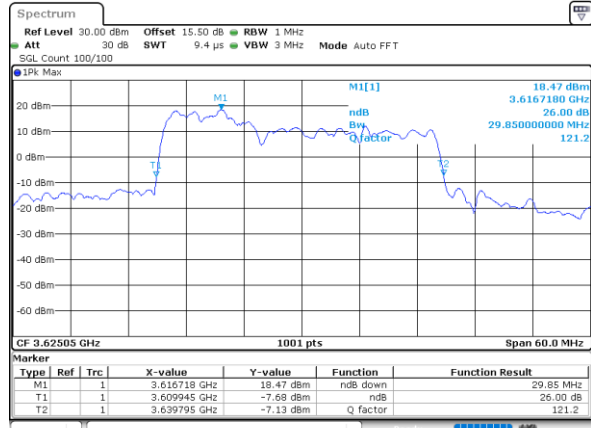
16QAM

Middle Channel / 5MHz+20MHz



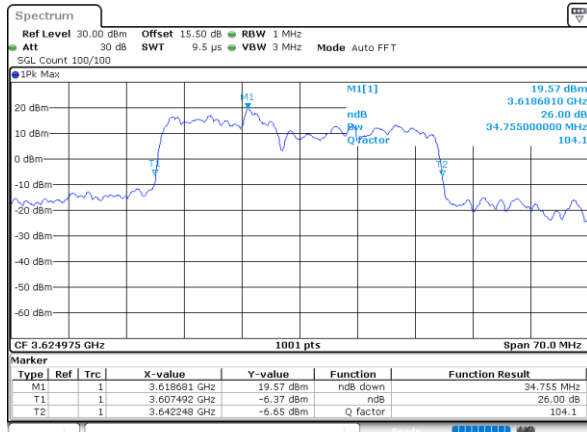
Date: 30.AUG.2024 17:30:21

Middle Channel / 10MHz+20MHz



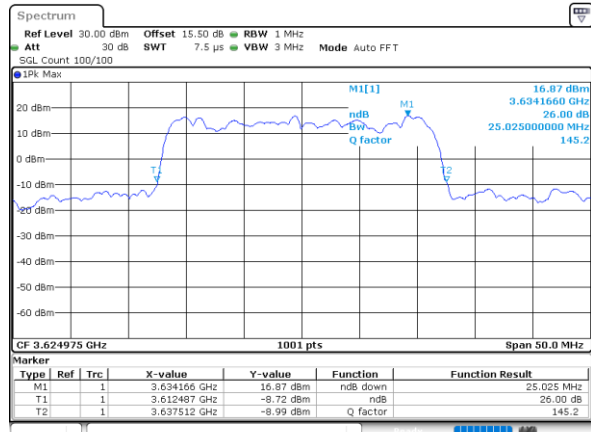
Date: 30.AUG.2024 19:51:15

Middle Channel / 15MHz+20MHz



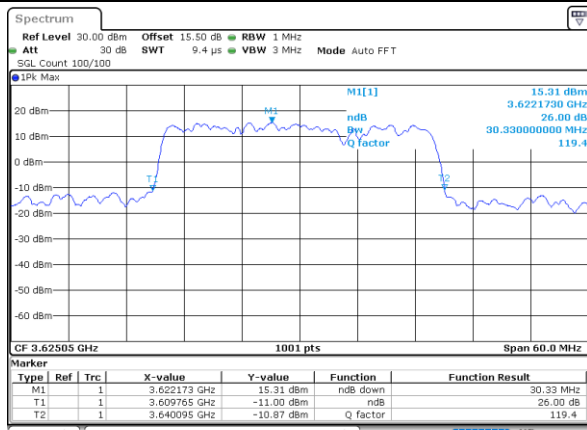
Date: 31.AUG.2024 03:38:03

Middle Channel / 20MHz+5MHz



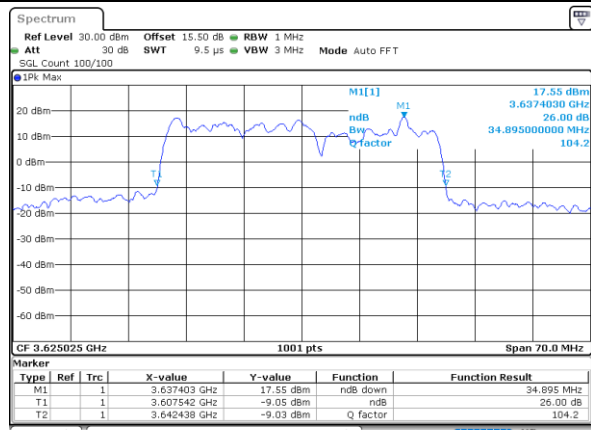
Date: 30.AUG.2024 18:45:21

Middle Channel / 20MHz+10MHz



Date: 31.AUG.2024 02:31:54

Middle Channel / 20MHz+15MHz



Date: 31.AUG.2024 04:47:48

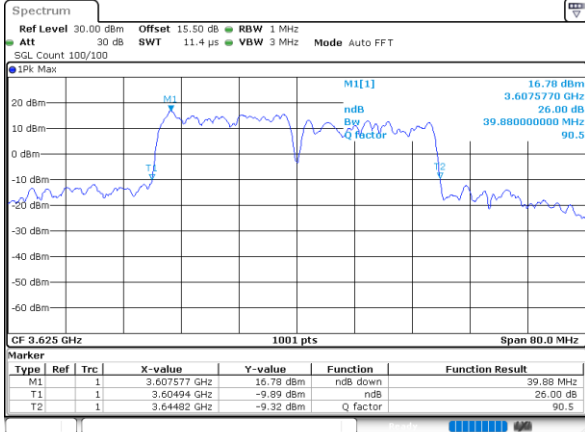


LTE Band 48C

16QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 31.AUG.2024 05:55:52

**Occupied Bandwidth**

Mode	LTE Band 48C : 99%OBW(MHz)			
QPSK				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.43	28.05	32.80	23.38
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	28.11	33.15	37.72	-

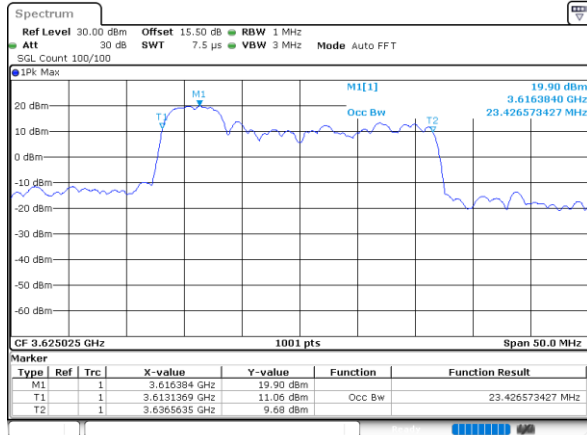
Mode	LTE Band 48C : 99%OBW(MHz)			
16QAM				
BW	5MHz+20MHz	10MHz+20MHz	15MHz+20MHz	20MHz+5MHz
Middle CH	23.18	28.11	32.87	23.33
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.87	38.04	-



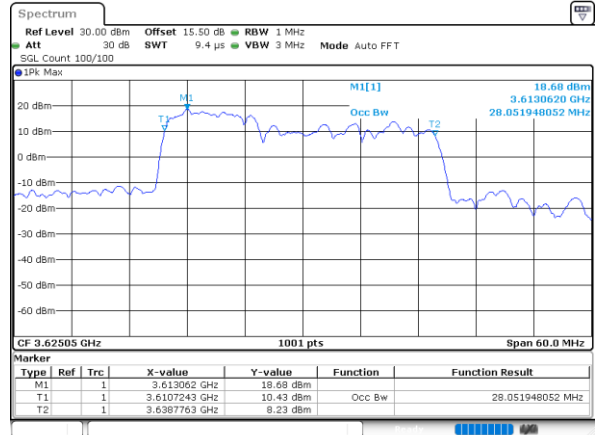
LTE Band 48C

QPSK

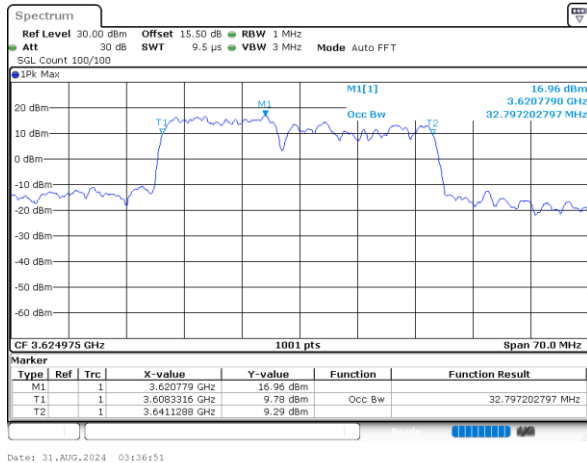
Middle Channel / 5MHz+20MHz



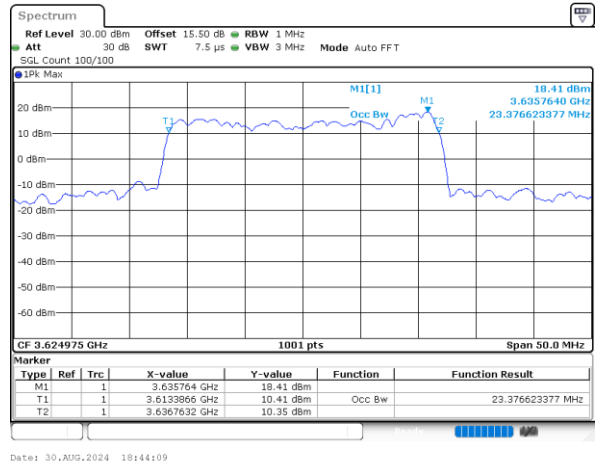
Middle Channel / 10MHz+20MHz



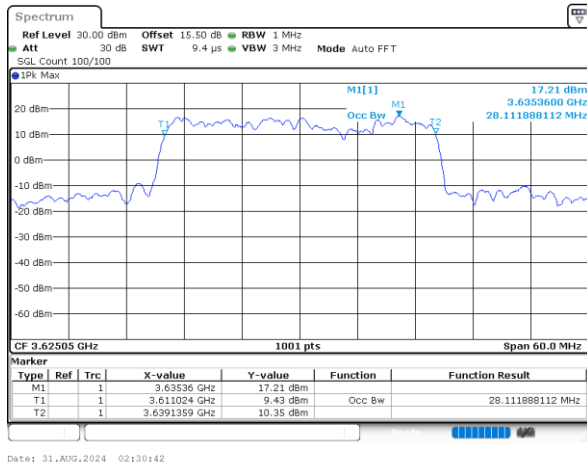
Middle Channel / 15MHz+20MHz



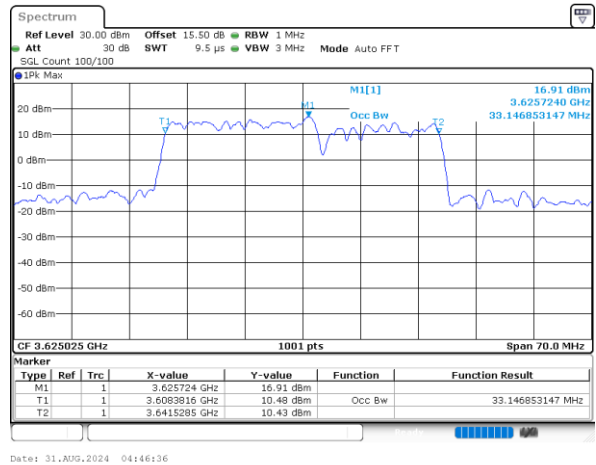
Middle Channel / 20MHz+5MHz

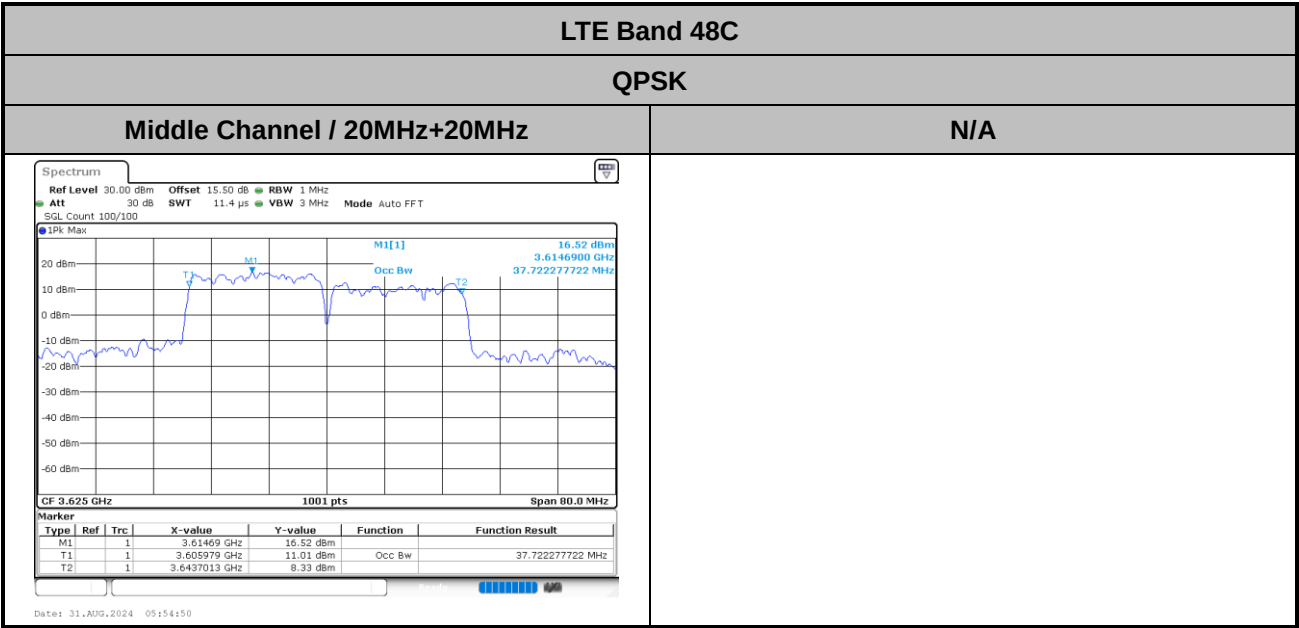


Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz



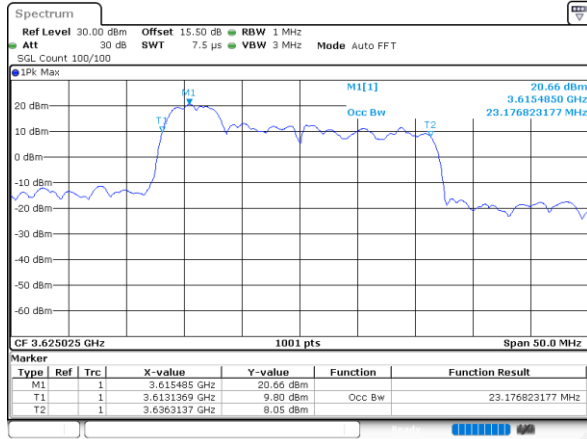




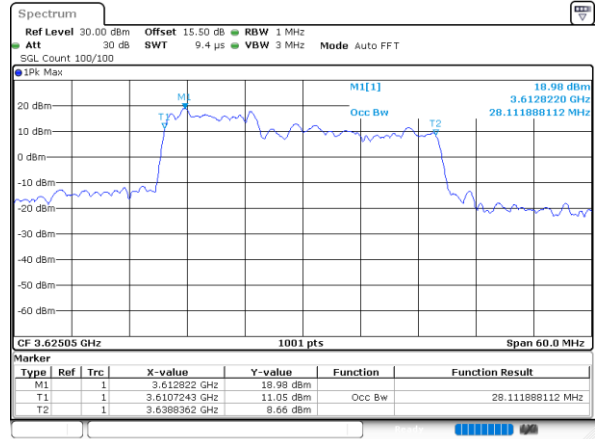
LTE Band 48C

16QAM

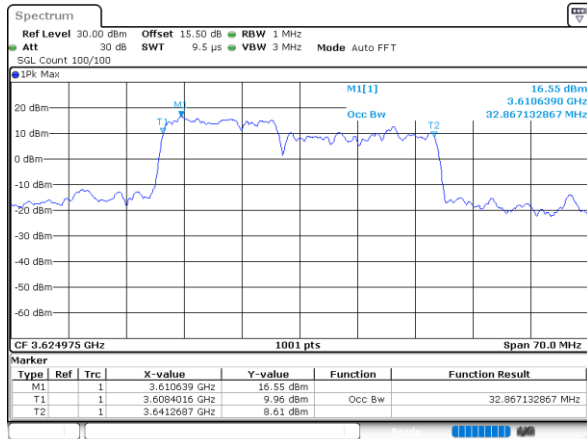
Middle Channel / 5MHz+20MHz



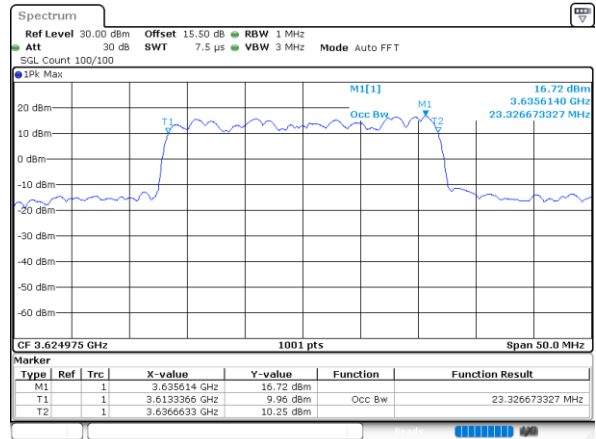
Middle Channel / 10MHz+20MHz



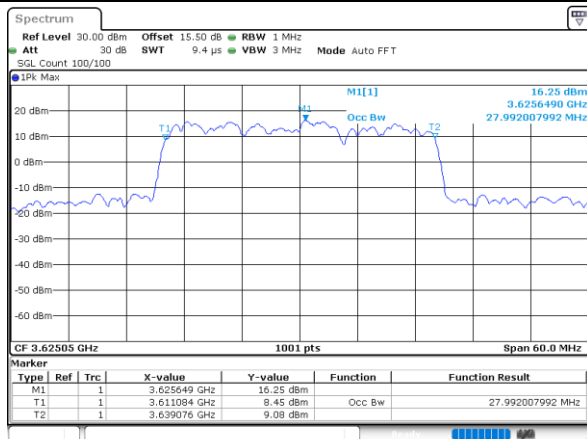
Middle Channel / 15MHz+20MHz



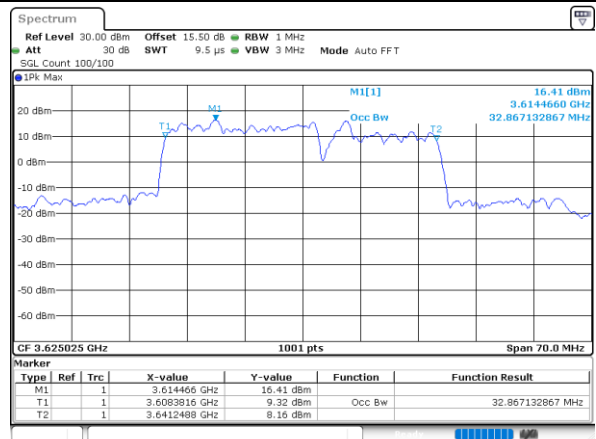
Middle Channel / 20MHz+5MHz

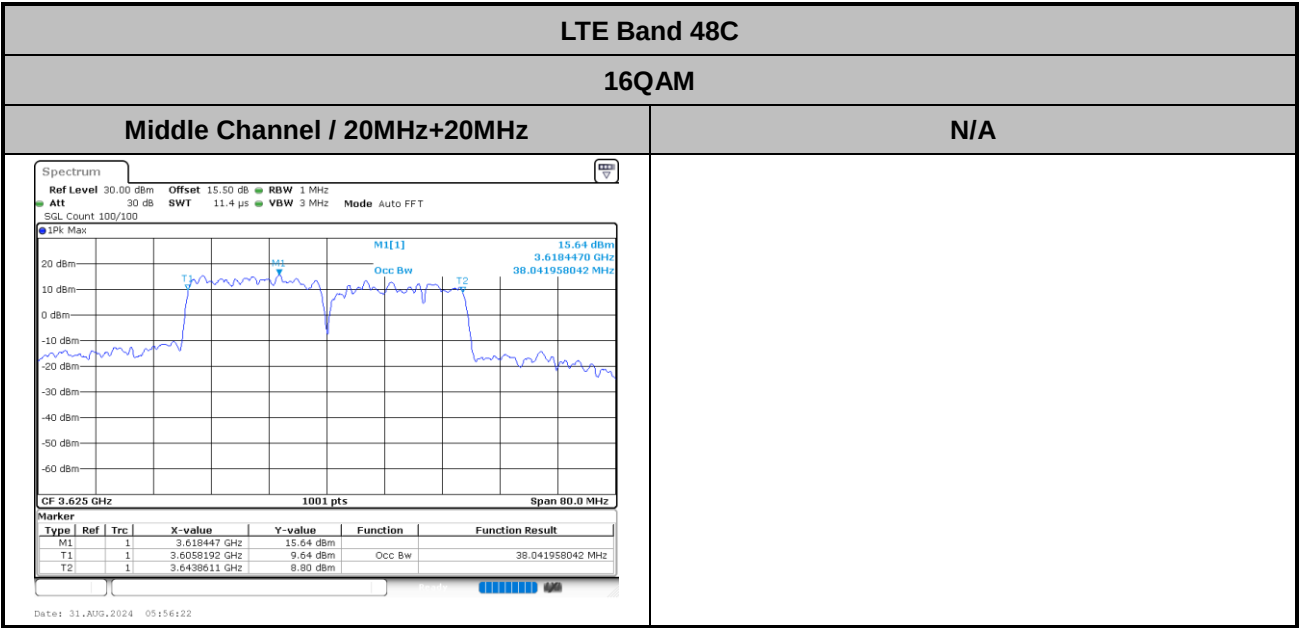


Middle Channel / 20MHz+10MHz



Middle Channel / 20MHz+15MHz







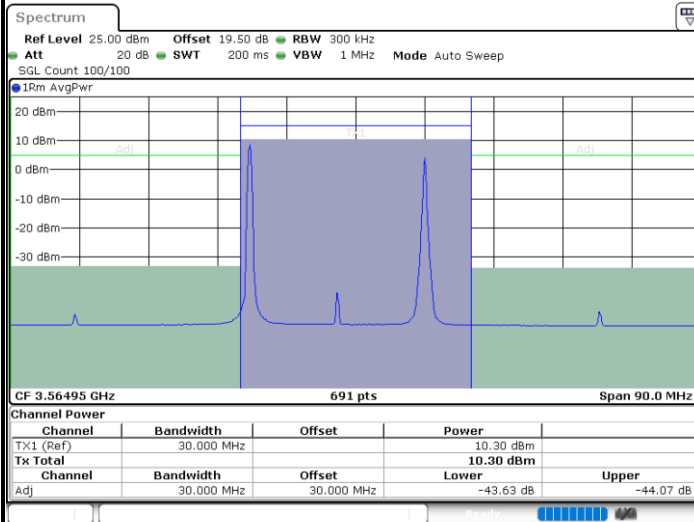
ACLR

LTE Band 48C / 5MHz+20MHz

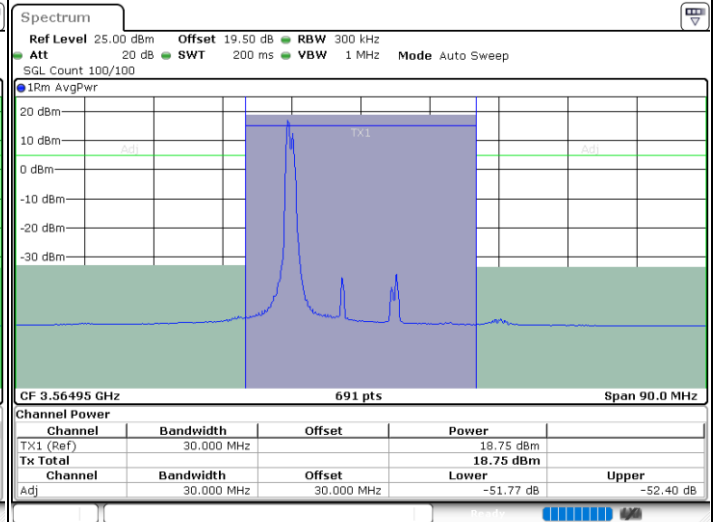
QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB24 and 1RB0



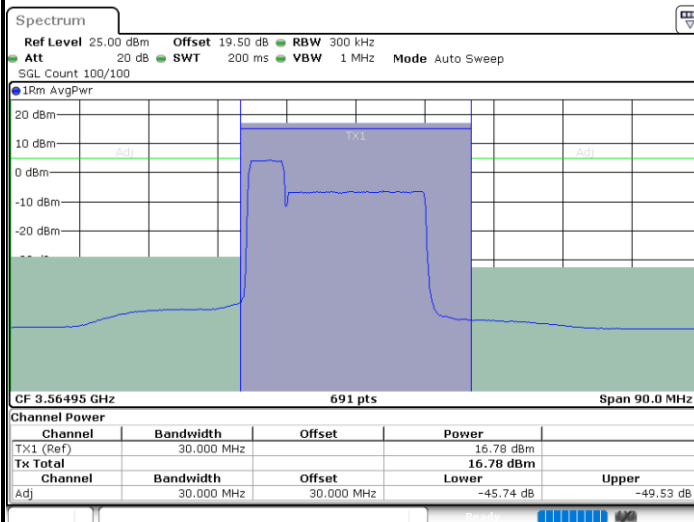
Date: 20.SEP.2024 10:44:51



Date: 20.SEP.2024 11:05:17

Lowest Channel / FullIRB

N/A



Date: 20.SEP.2024 10:48:52

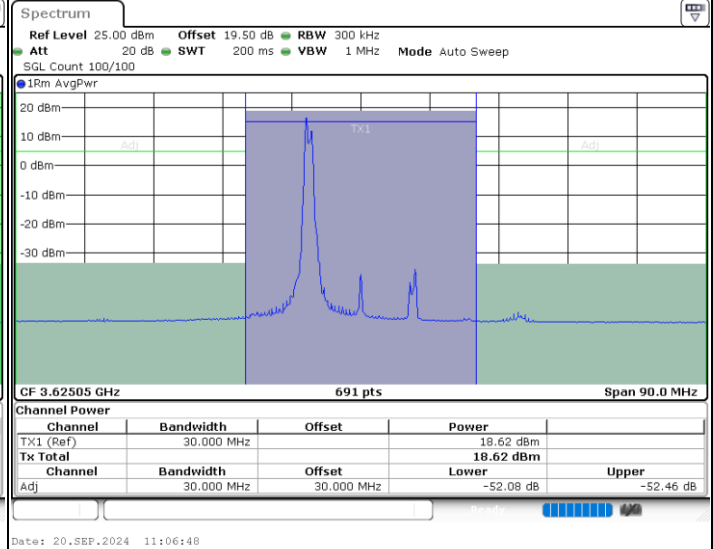
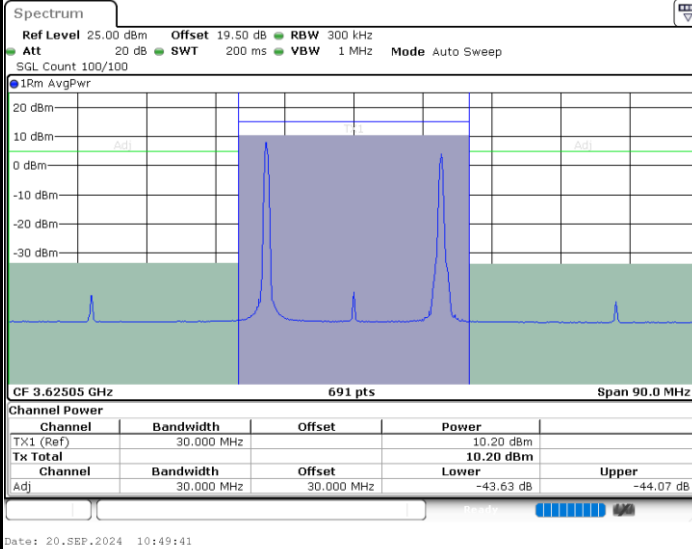


LTE Band 48C / 5MHz+20MHz

QPSK

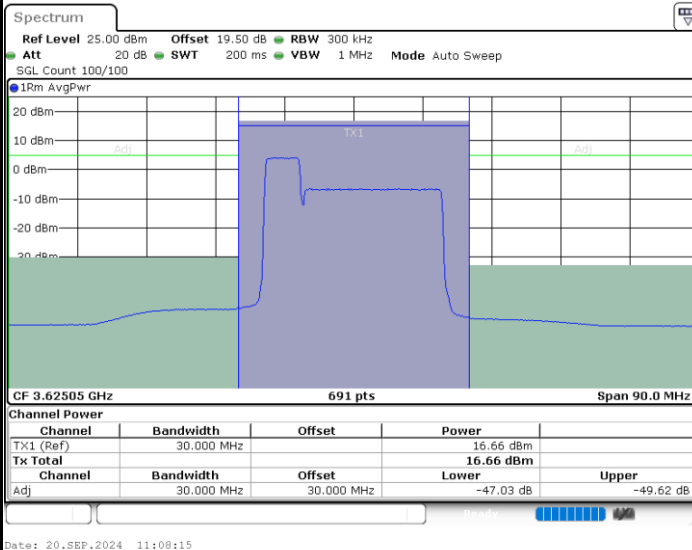
Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB24 and 1RB0



Middle Channel / FullRB

N/A



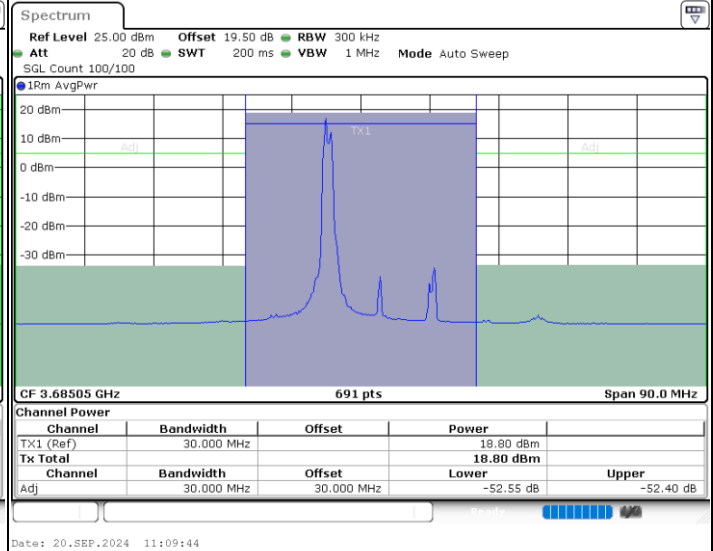
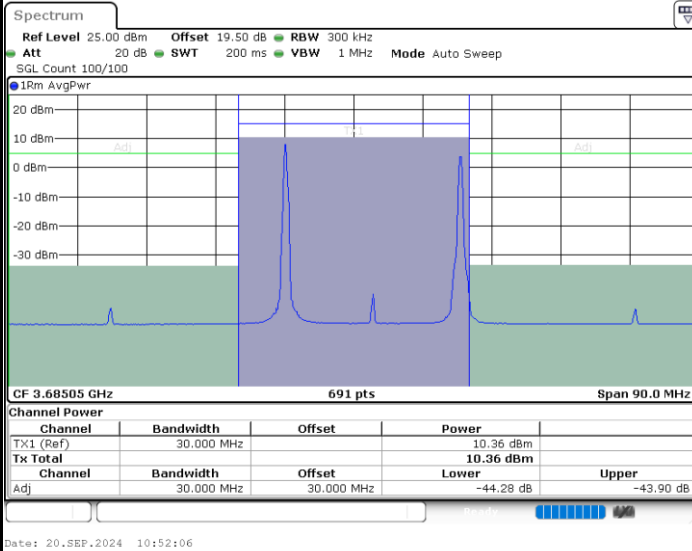


LTE Band 48C / 5MHz+20MHz

QPSK

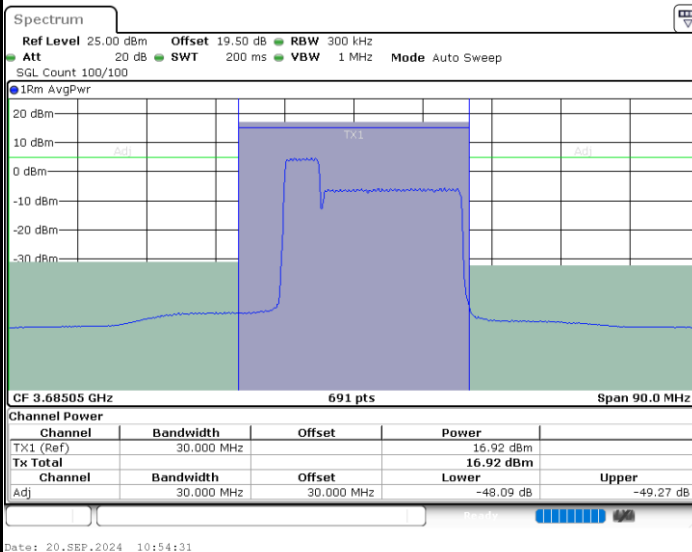
Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB24 and 1RB0



Highest Channel / FullRB

N/A



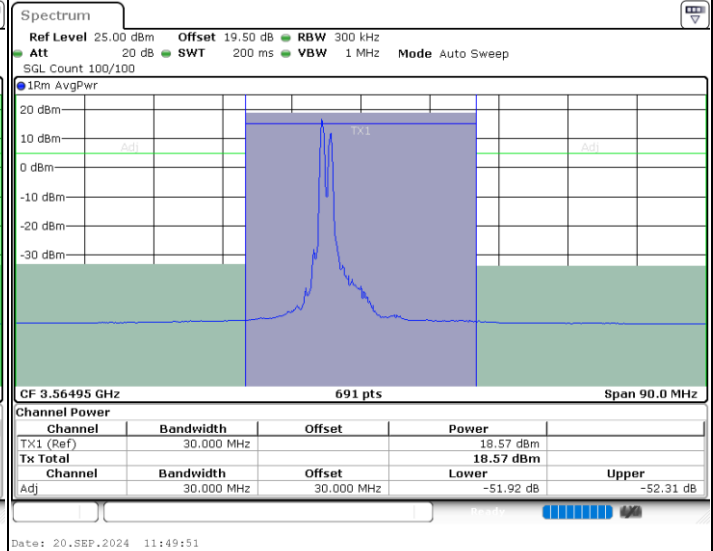
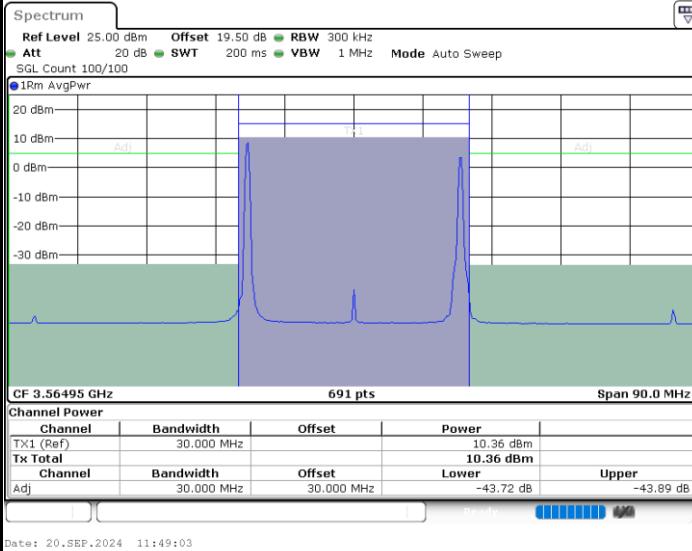


LTE Band 48C / 10MHz+20MHz

QPSK

Lowest Channel / 1RB0 and 1RB99

Lowest Channel / 1RB49 and 1RB0



Lowest Channel / FullIRB

N/A



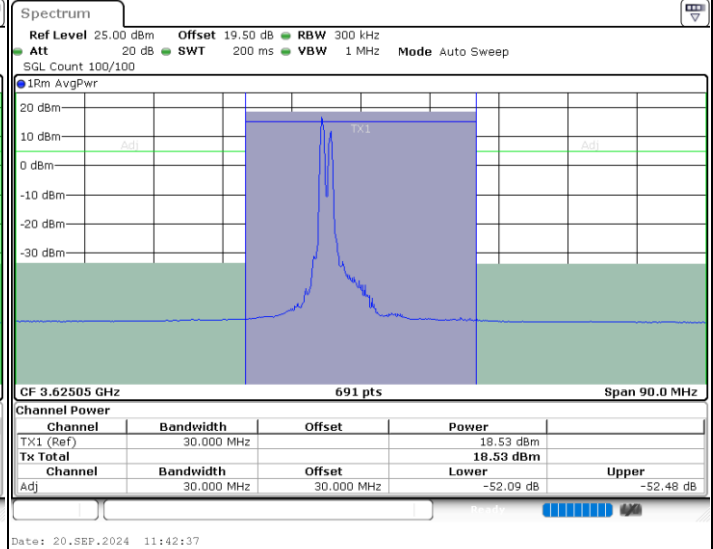
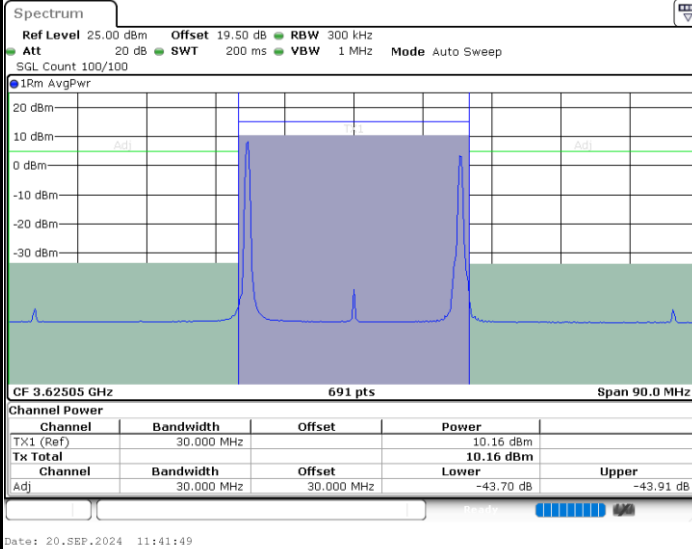


LTE Band 48C / 10MHz+20MHz

QPSK

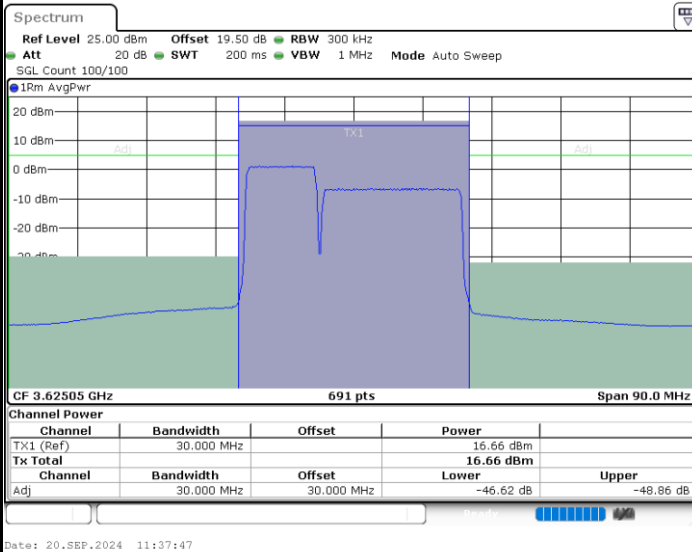
Middle Channel / 1RB0 and 1RB99

Middle Channel / 1RB49 and 1RB0



Middle Channel / FullRB

N/A



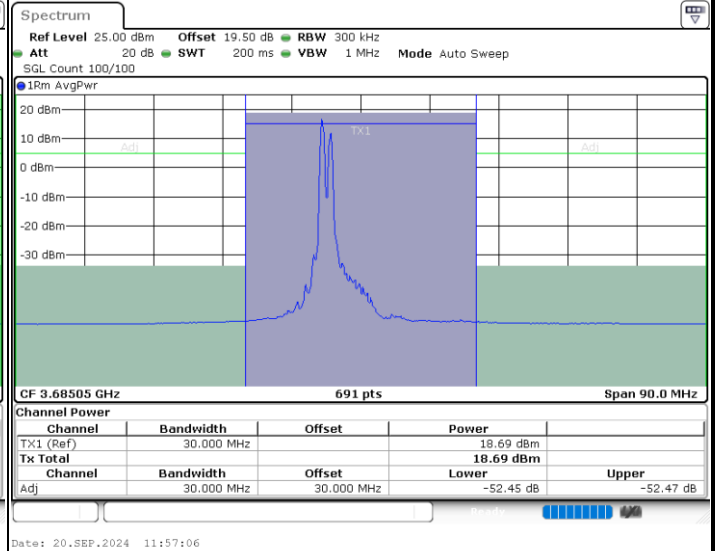
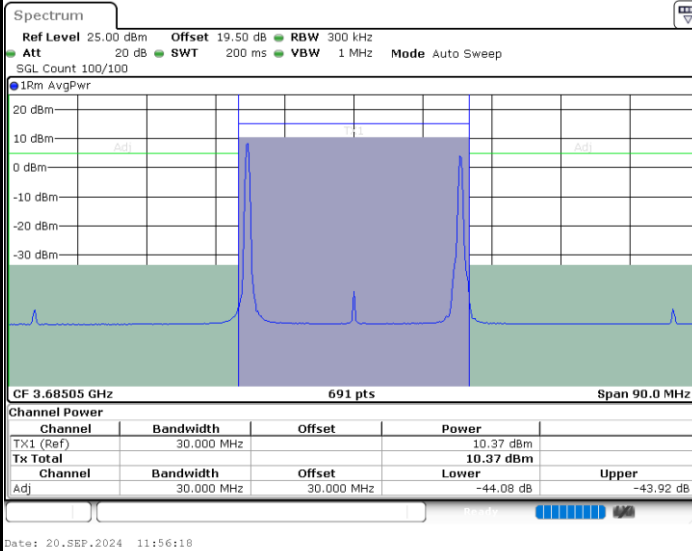


LTE Band 48C / 10MHz+20MHz

QPSK

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB49 and 1RB0



Highest Channel / FullRB

N/A

