

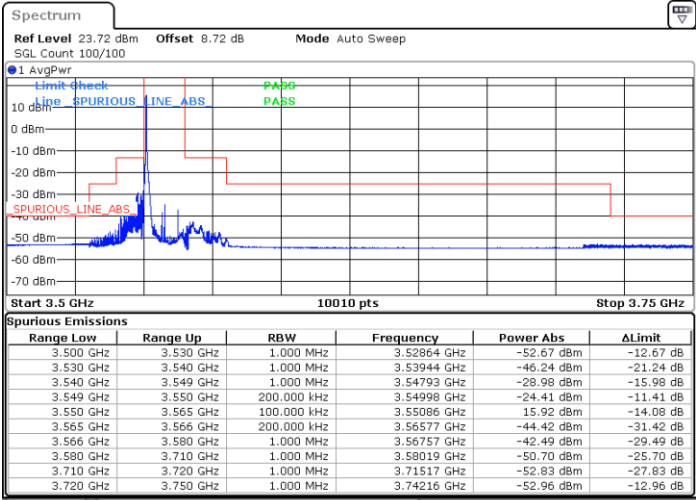


LTE Band 48 / 15MHz

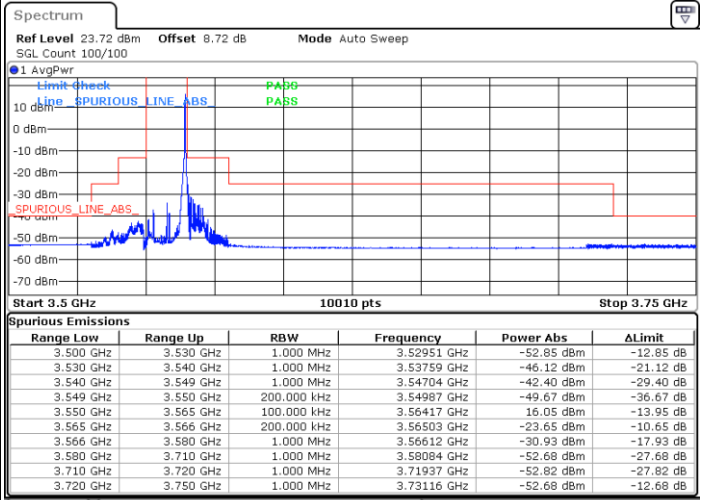
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



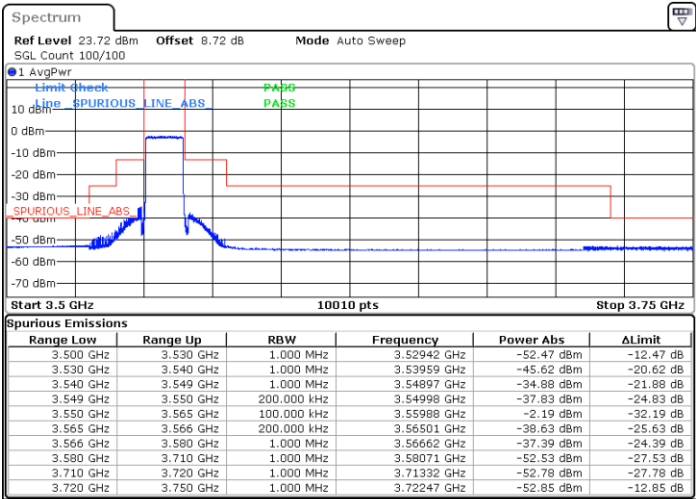
Date: 11.SEP.2024 12:54:44



Date: 11.SEP.2024 13:02:31

Lowest Channel / FullIRB

N/A



Date: 11.SEP.2024 13:10:16

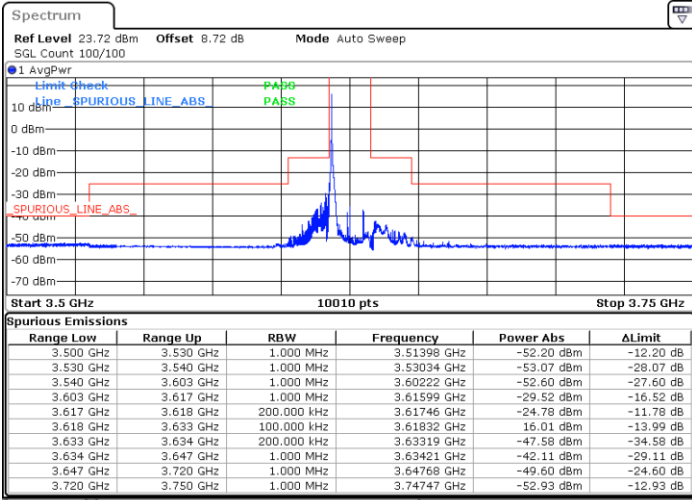


LTE Band 48 / 15MHz

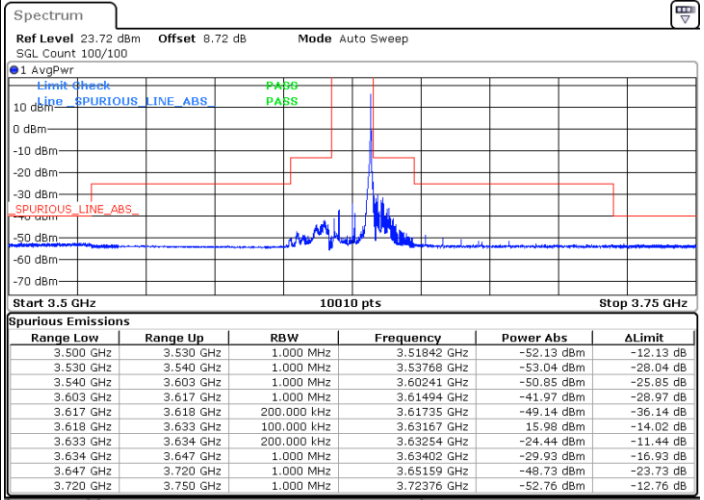
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



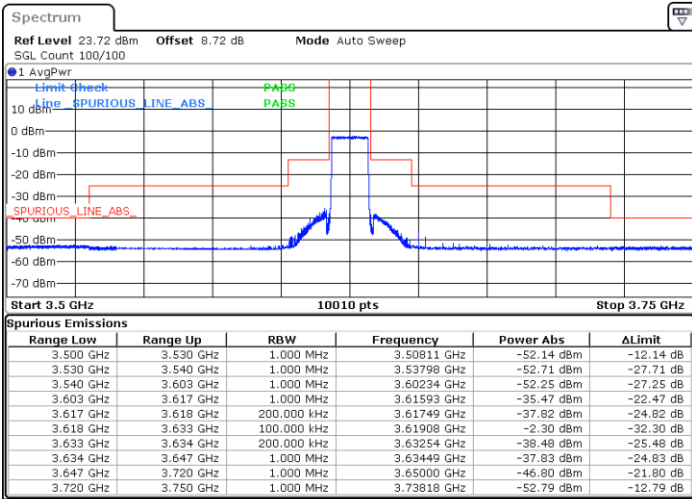
Date: 11.SEP.2024 13:17:59



Date: 11.SEP.2024 13:25:41

Middle Channel / Full

N/A



Date: 11.SEP.2024 13:33:23

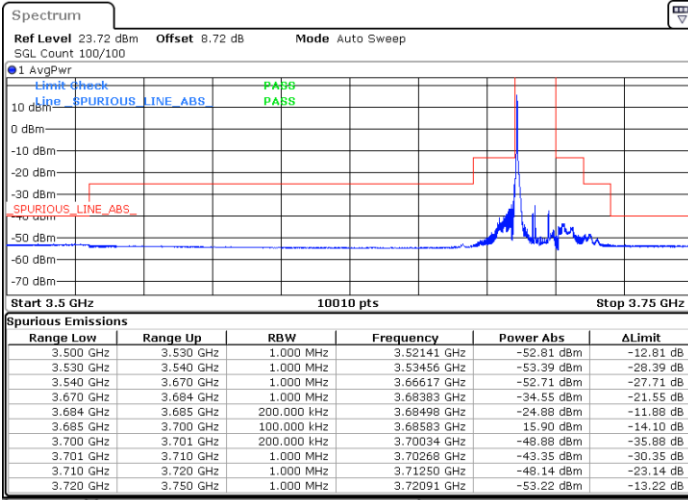


LTE Band 48 / 15MHz

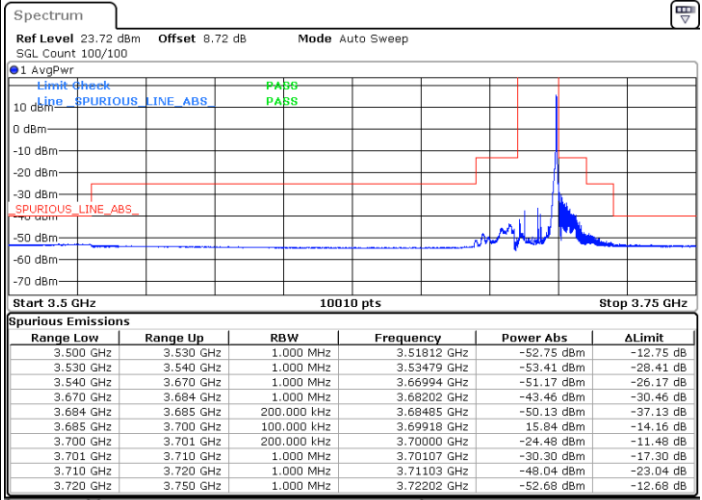
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



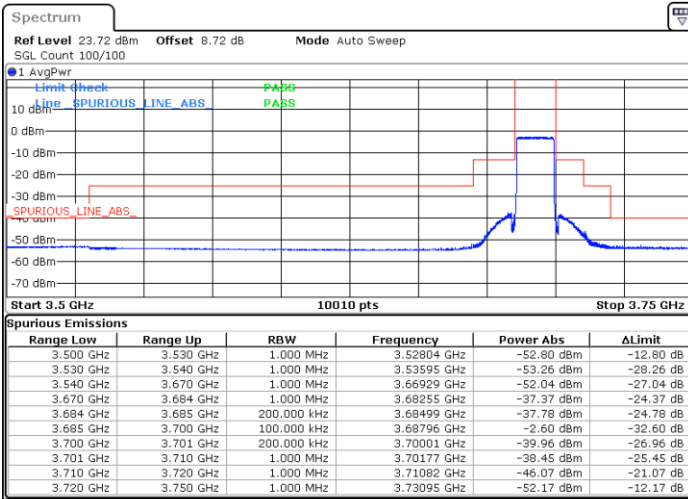
Date: 11.SEP.2024 13:41:11



Date: 11.SEP.2024 18:07:19

Highest Channel / FullRB

N/A



Date: 11.SEP.2024 18:14:33

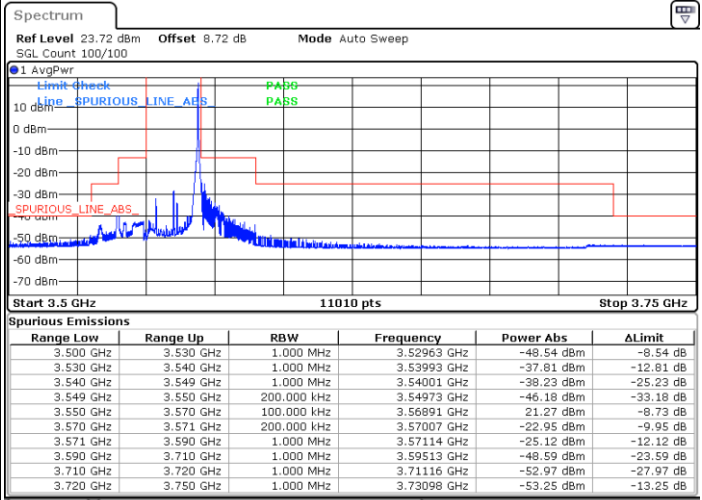
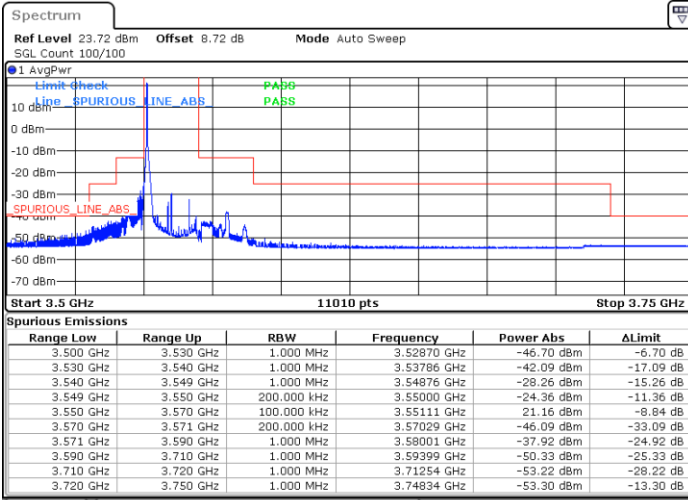


LTE Band 48 / 20MHz

QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

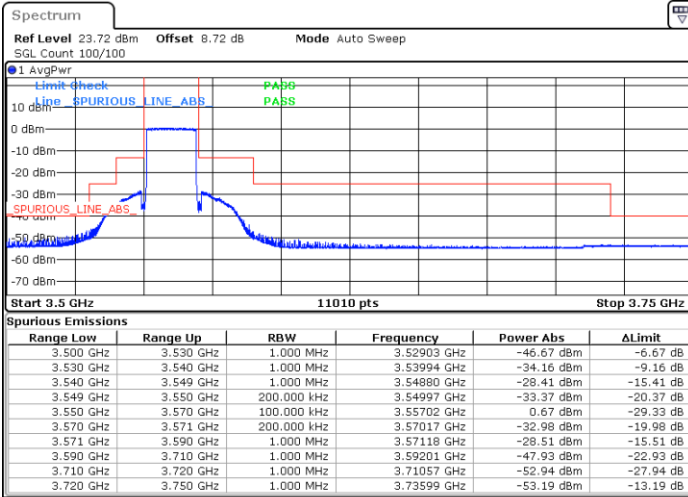


Date: 11.SEP.2024 18:17:04

Date: 11.SEP.2024 18:24:21

Lowest Channel / FullIRB

N/A



Date: 11.SEP.2024 18:31:37

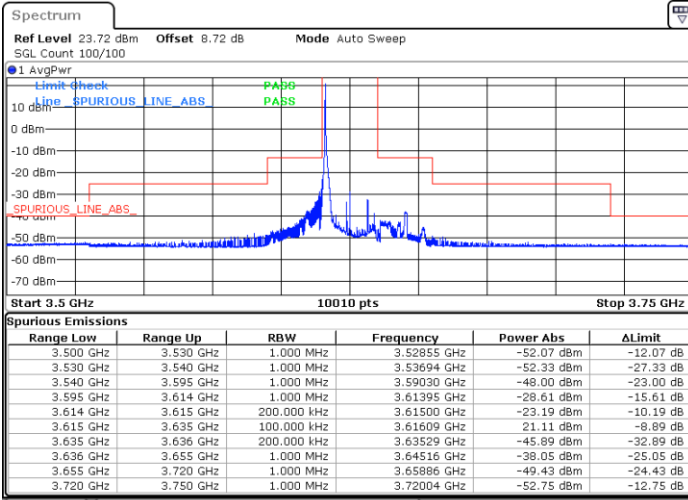


LTE Band 48 / 20MHz

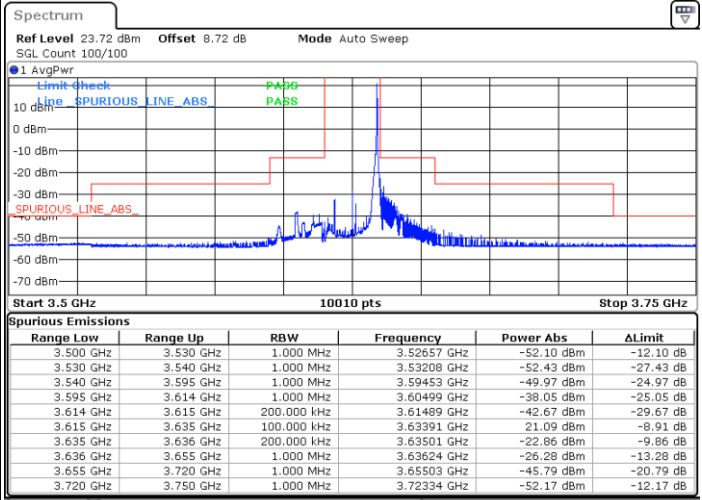
QPSK

Middle Channel / 1RB0

Middle Channel / 1RBmax



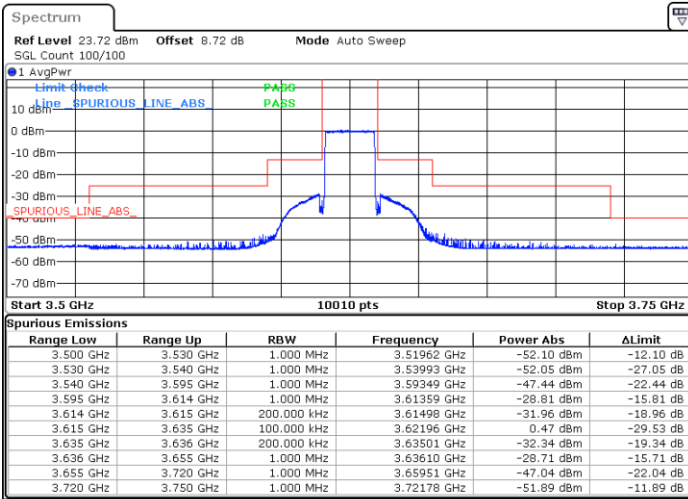
Date: 11.SEP.2024 18:38:51



Date: 11.SEP.2024 18:46:02

Middle Channel / Full

N/A



Date: 11.SEP.2024 18:53:12

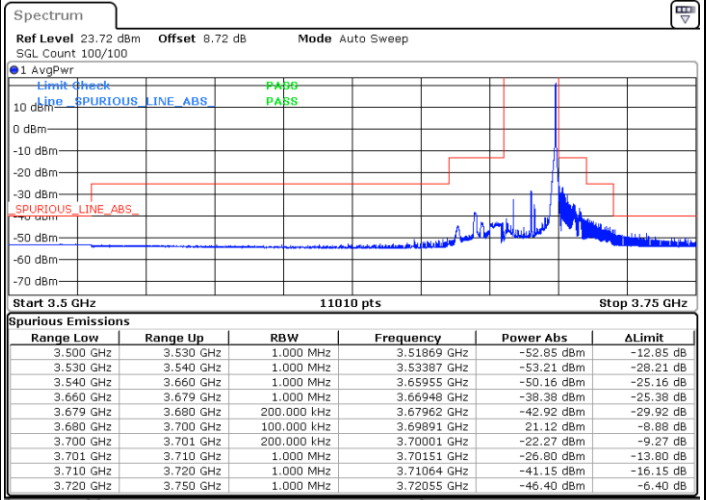
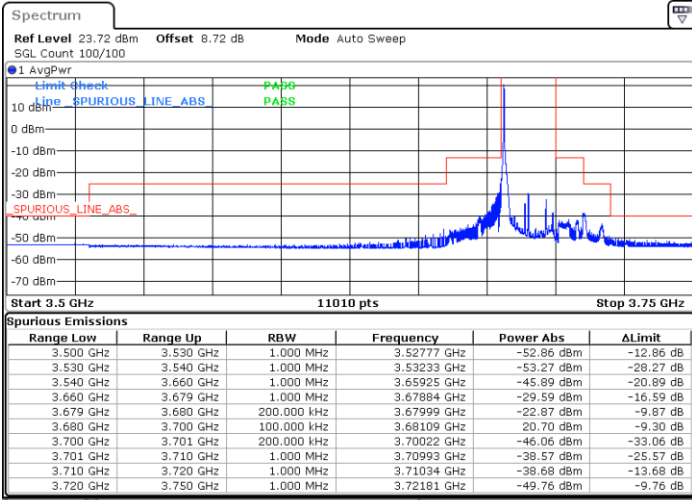


LTE Band 48 / 20MHz

QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax

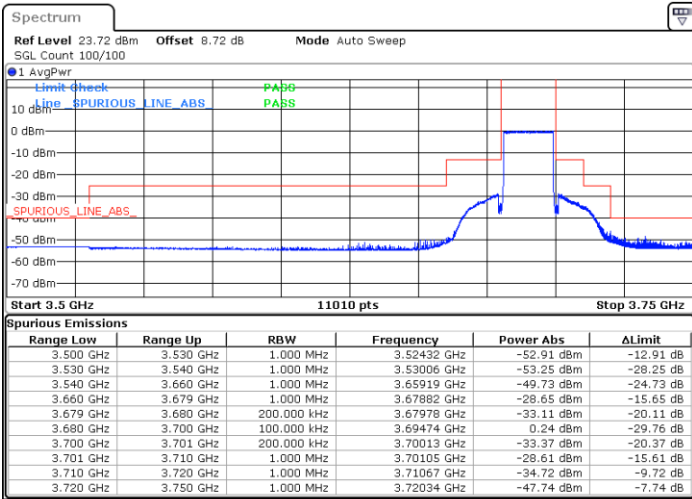


Date: 11.SEP.2024 19:00:24

Date: 11.SEP.2024 19:07:39

Highest Channel / FullIRB

N/A



Date: 11.SEP.2024 19:14:56

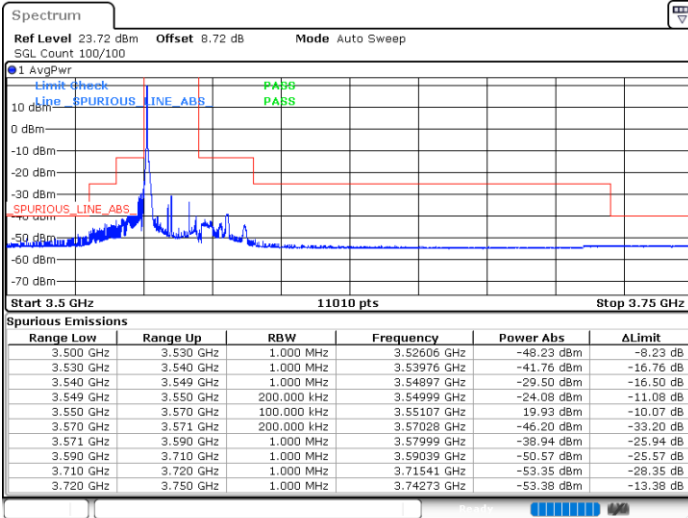


LTE Band 48 / 20MHz

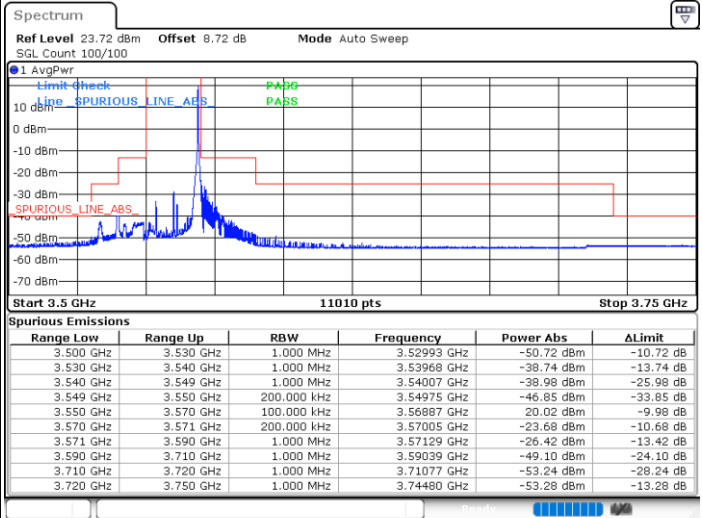
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



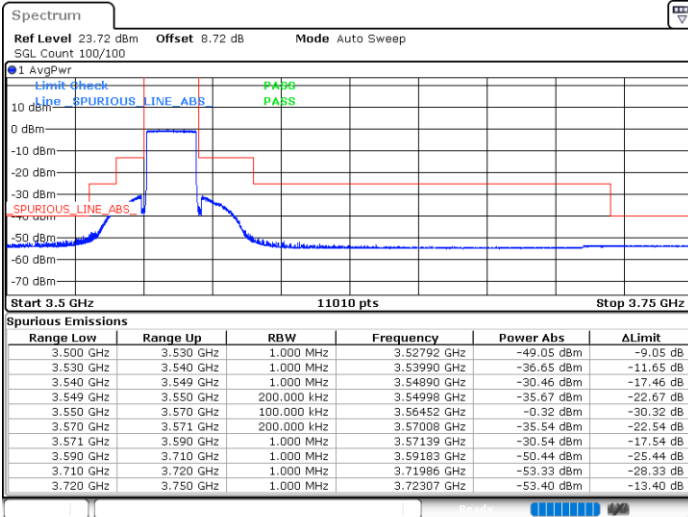
Date: 11.SEP.2024 18:18:56



Date: 11.SEP.2024 18:26:12

Lowest Channel / FullIRB

N/A



Date: 11.SEP.2024 18:33:26

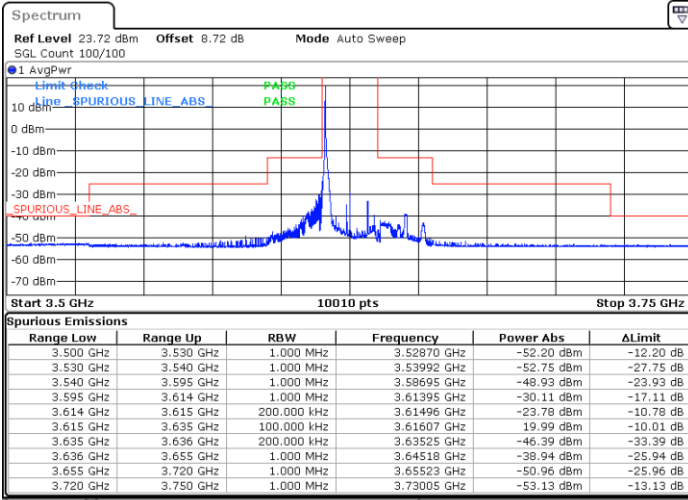


LTE Band 48 / 20MHz

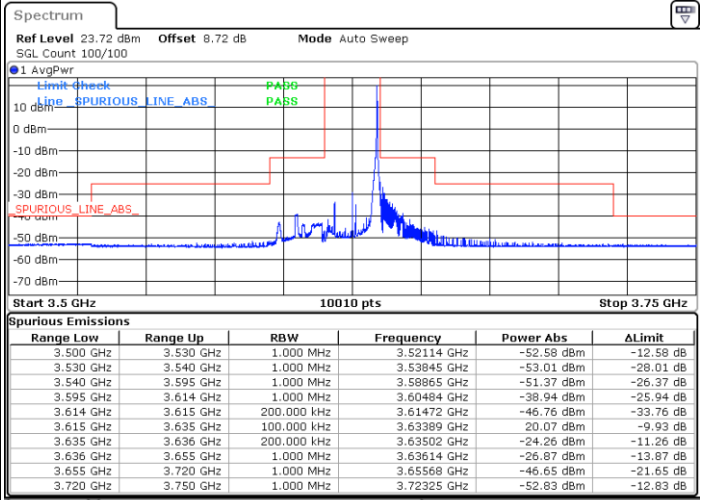
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



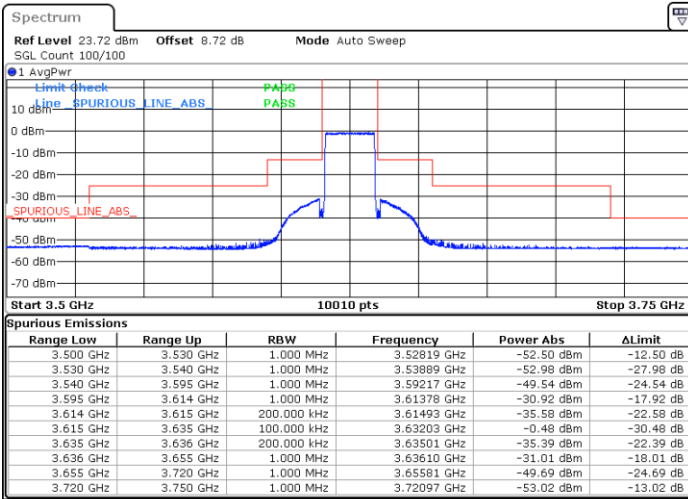
Date: 11.SEP.2024 18:40:38



Date: 11.SEP.2024 18:47:49

Middle Channel / Full

N/A



Date: 11.SEP.2024 18:55:00

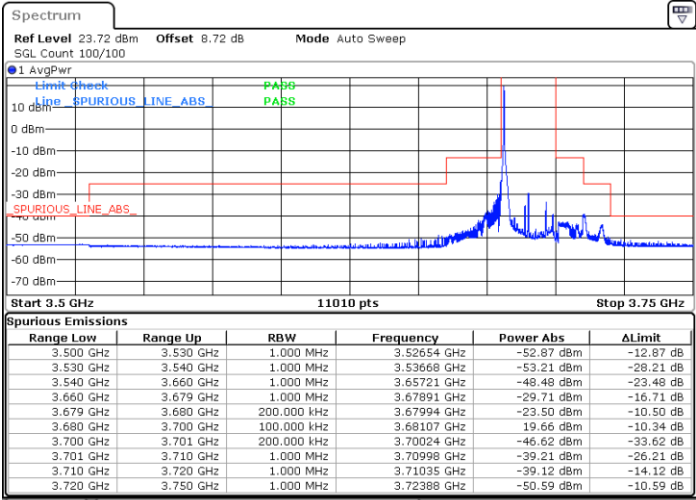


LTE Band 48 / 20MHz

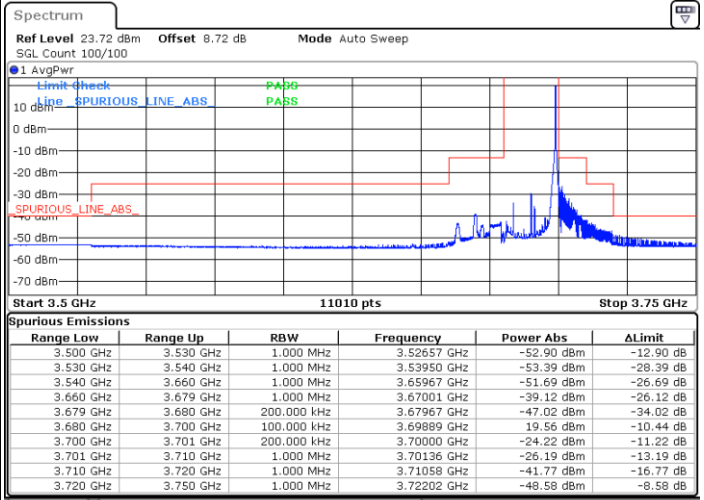
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



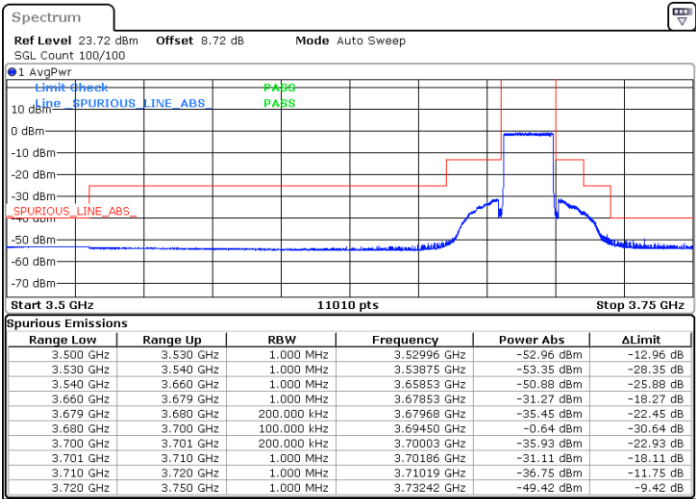
Date: 11.SEP.2024 19:02:15



Date: 11.SEP.2024 19:09:30

Highest Channel / FullIRB

N/A



Date: 11.SEP.2024 19:16:44

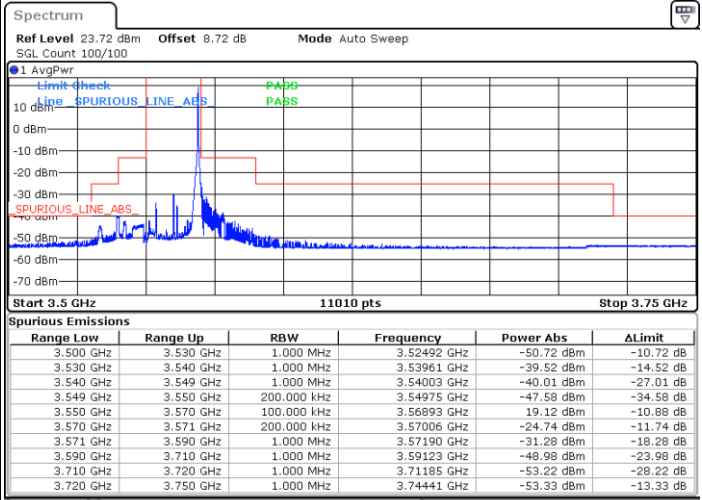
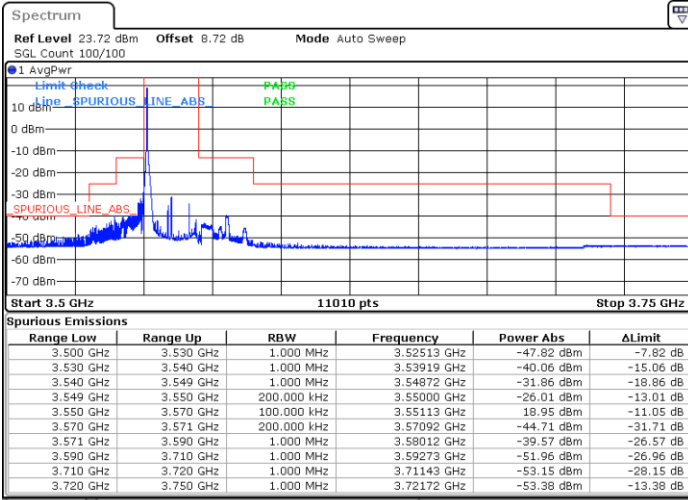


LTE Band 48 / 20MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

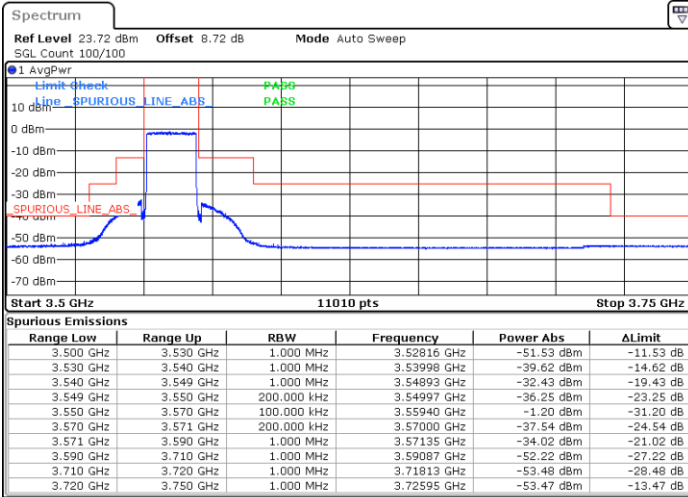


Date: 11.SEP.2024 18:20:44

Date: 11.SEP.2024 18:28:00

Lowest Channel / FullIRB

N/A



Date: 11.SEP.2024 18:35:14

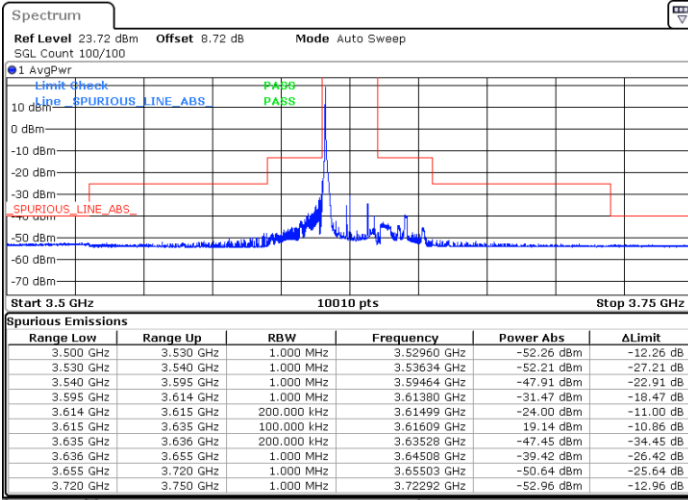


LTE Band 48 / 20MHz

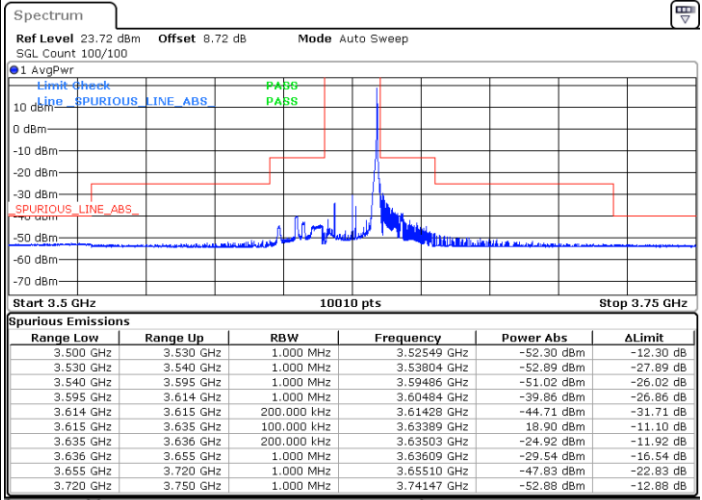
64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



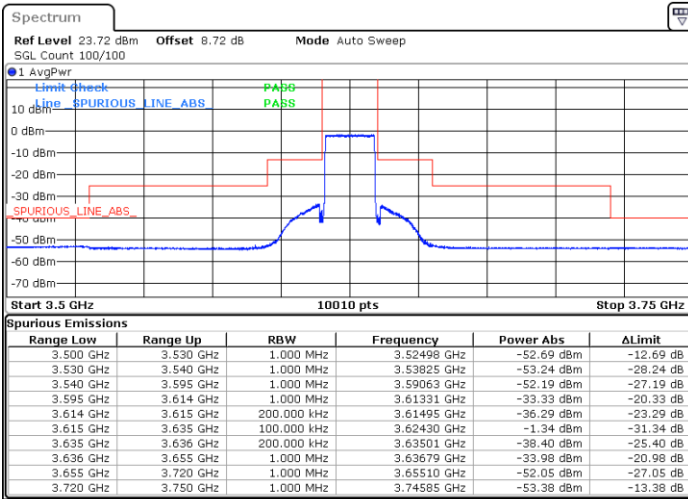
Date: 11.SEP.2024 18:42:26



Date: 11.SEP.2024 18:49:36

Middle Channel / Full

N/A



Date: 11.SEP.2024 18:56:48

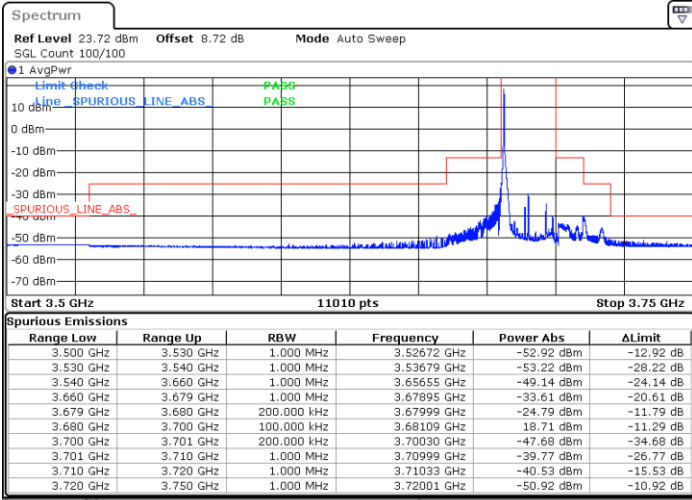


LTE Band 48 / 20MHz

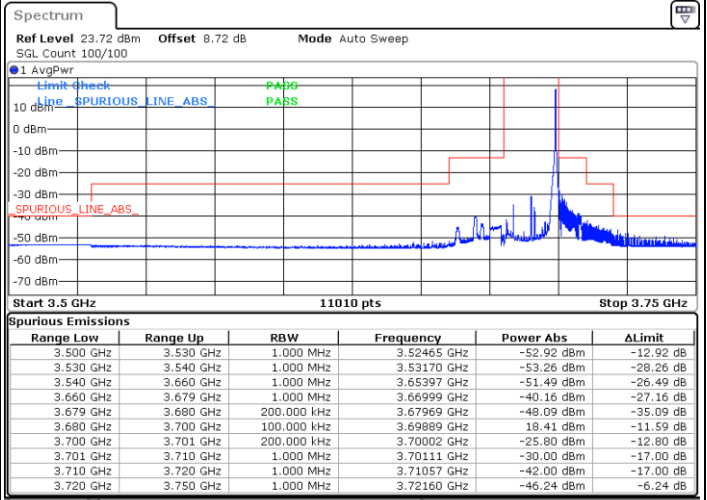
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



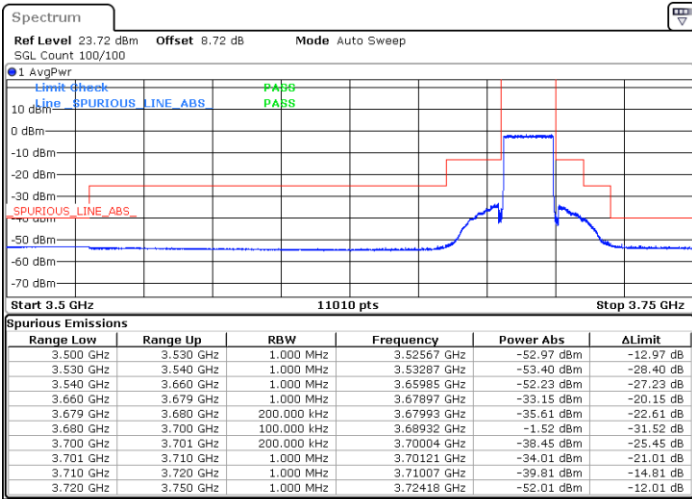
Date: 11.SEP.2024 19:04:04



Date: 11.SEP.2024 19:11:19

Highest Channel / FullRB

N/A



Date: 11.SEP.2024 19:18:32

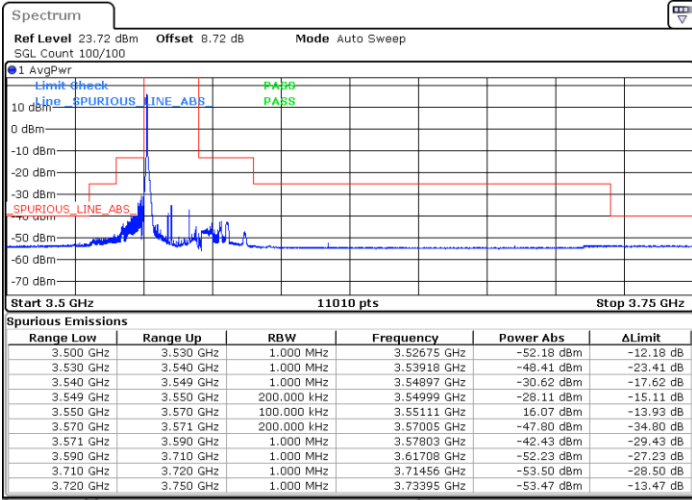


LTE Band 48 / 20MHz

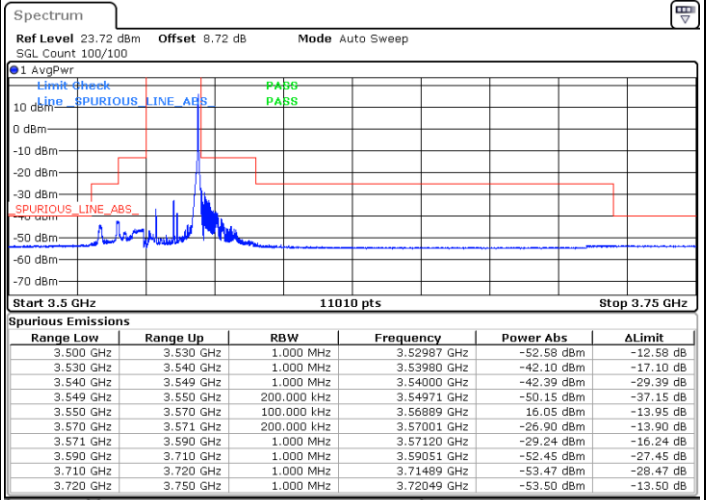
256QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



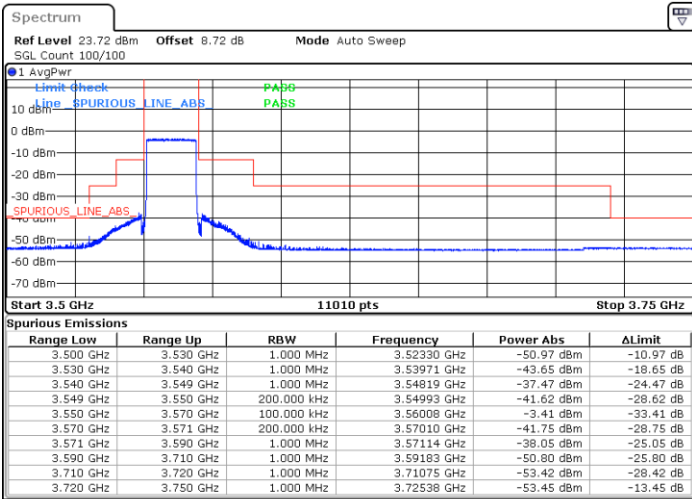
Date: 11.SEP.2024 18:22:32



Date: 11.SEP.2024 18:29:49

Lowest Channel / FullIRB

N/A



Date: 11.SEP.2024 18:37:02

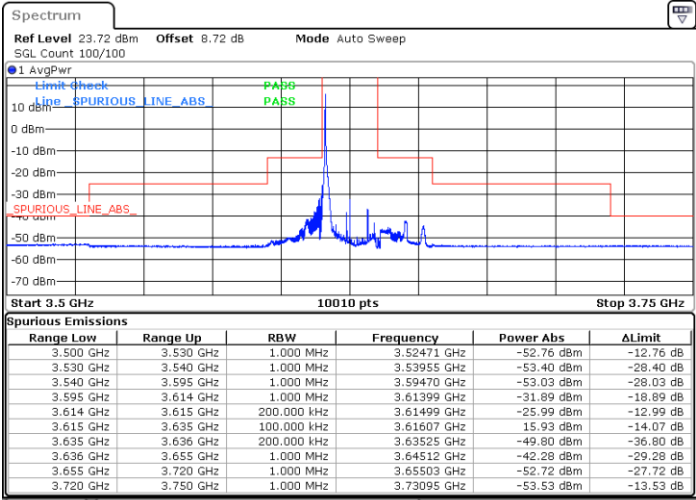


LTE Band 48 / 20MHz

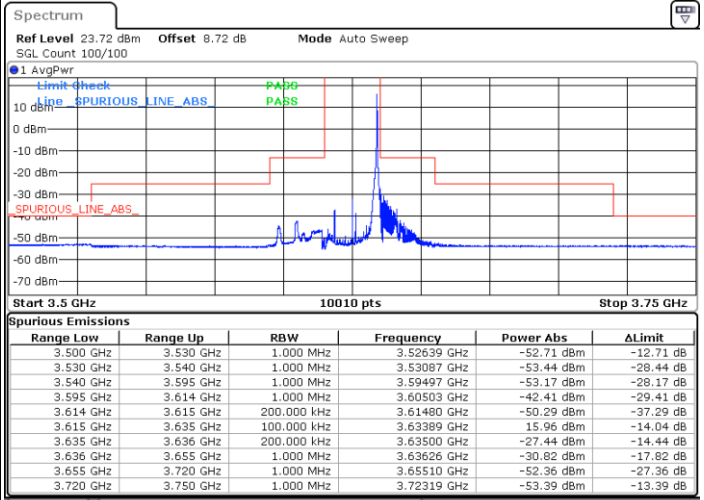
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



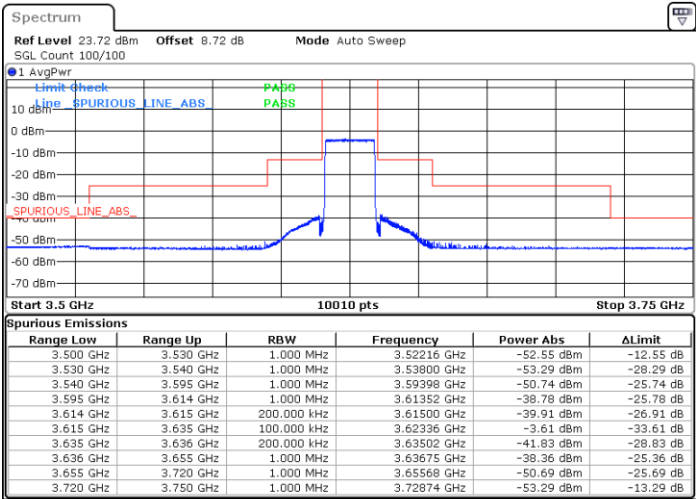
Date: 11.SEP.2024 18:44:14



Date: 11.SEP.2024 18:51:24

Middle Channel / Full

N/A



Date: 11.SEP.2024 18:58:36

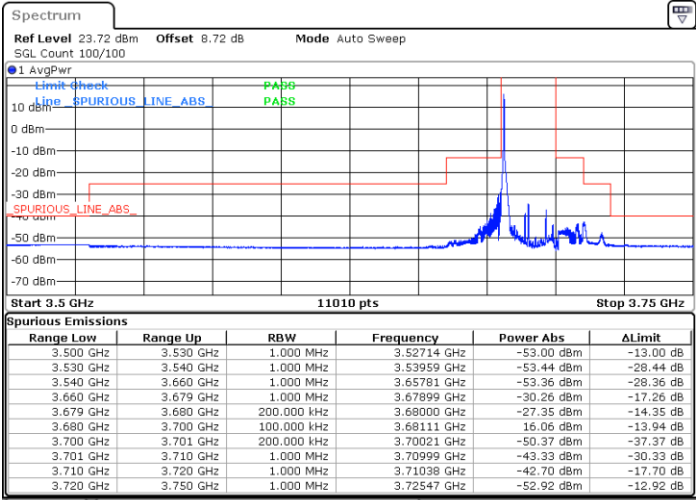


LTE Band 48 / 20MHz

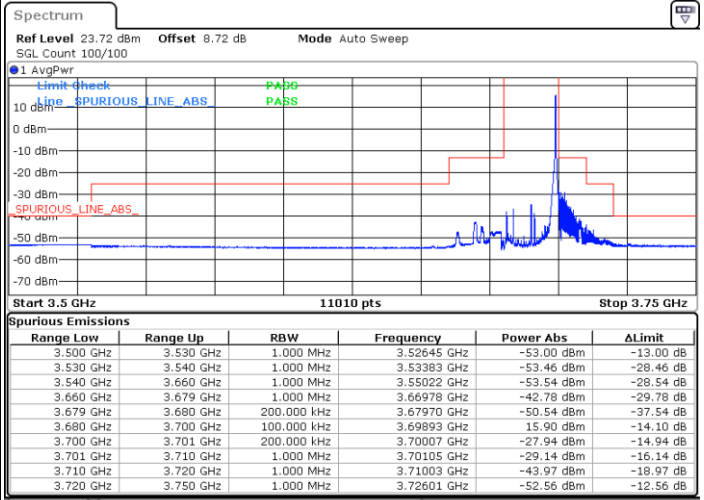
256QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



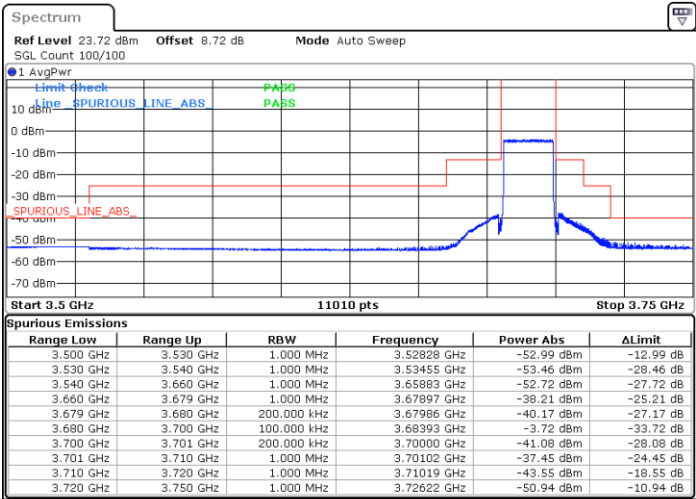
Date: 11.SEP.2024 19:05:51



Date: 11.SEP.2024 19:13:07

Highest Channel / FullIRB

N/A



Date: 11.SEP.2024 19:20:21



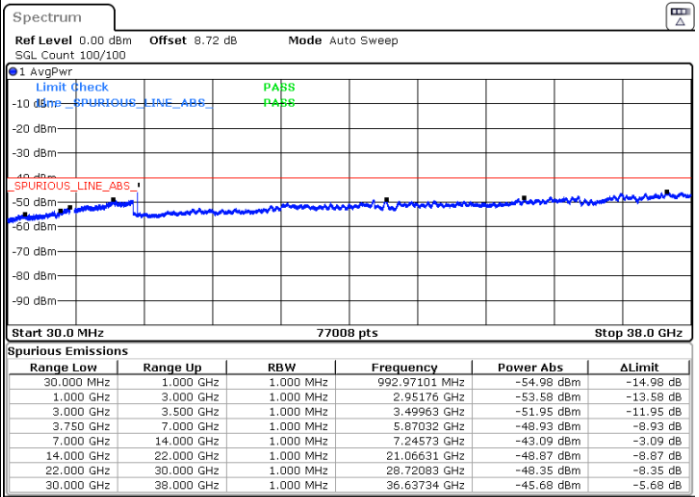
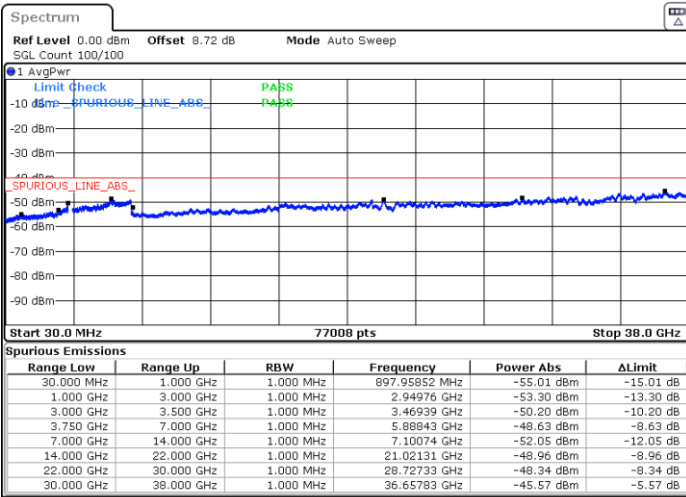
# Conducted Spurious Emission

## LTE Band 48 / 5MHz

### QPSK / 1RB0

#### Lowest Channel

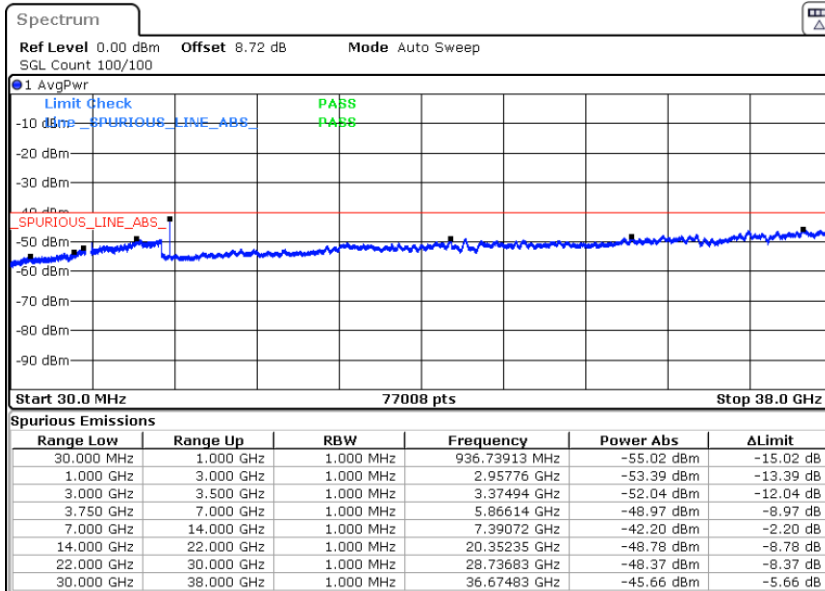
#### Middle Channel



Date: 2.OCT.2024 16:36:29

Date: 2.OCT.2024 16:53:40

#### Highest Channel



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

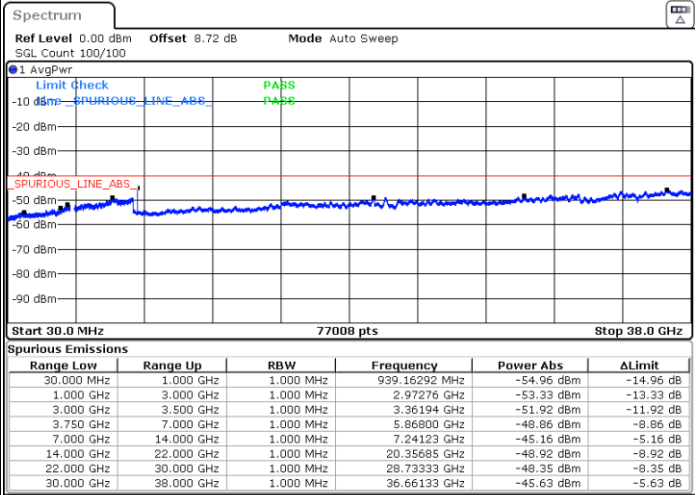
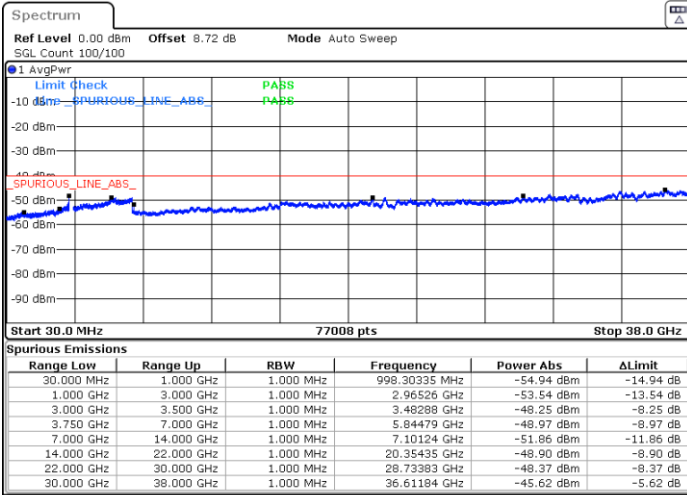


LTE Band 48 / 10MHz

QPSK / 1RB0

Lowest Channel

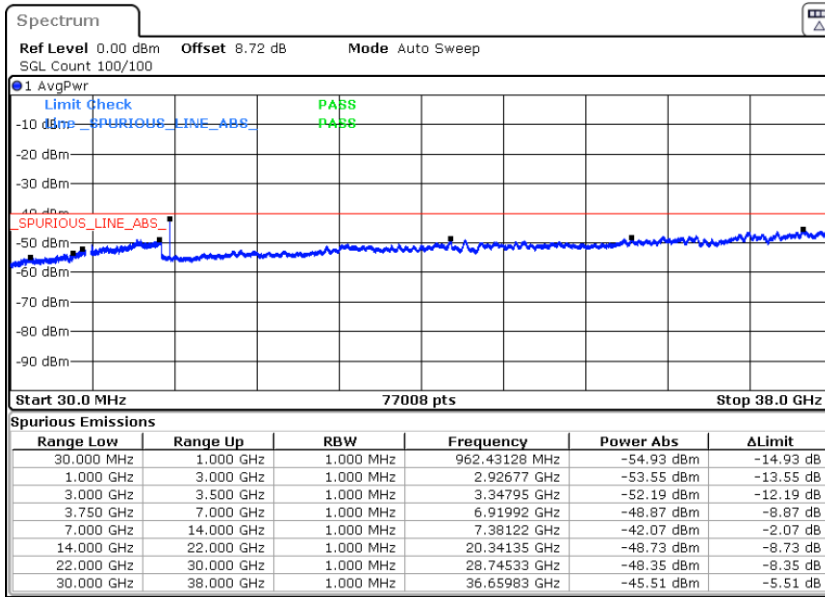
Middle Channel



Date: 2.OCT.2024 19:21:36

Date: 2.OCT.2024 19:23:03

Highest Channel



Date: 2.OCT.2024 19:24:29

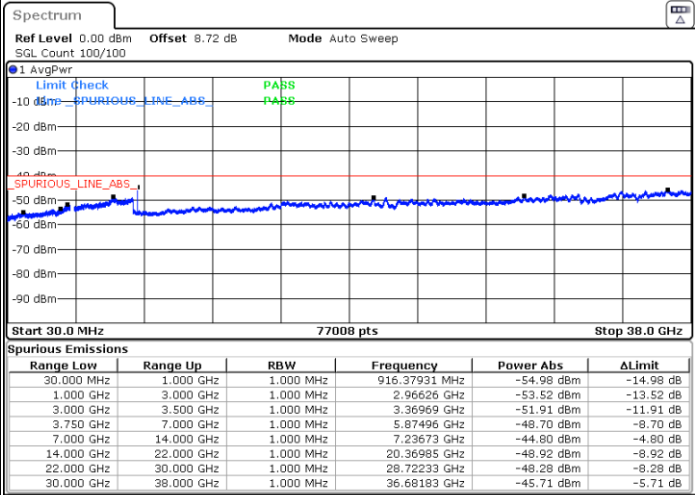
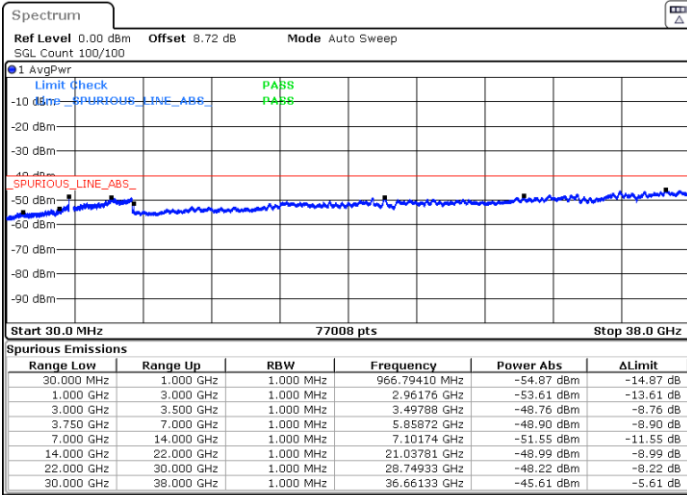


LTE Band 48 / 15MHz

QPSK / 1RB0

Lowest Channel

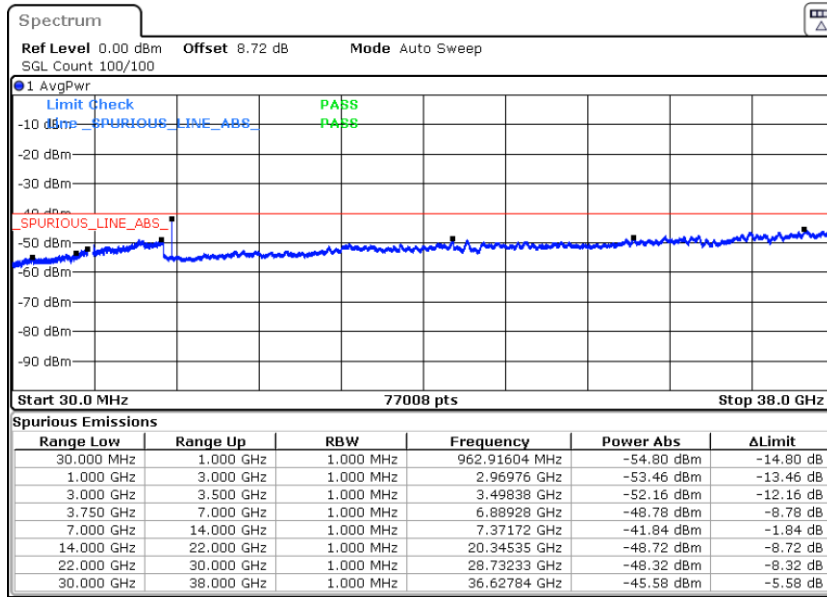
Middle Channel



Date: 2.OCT.2024 19:25:55

Date: 2.OCT.2024 19:27:22

Highest Channel



Date: 2.OCT.2024 19:28:48

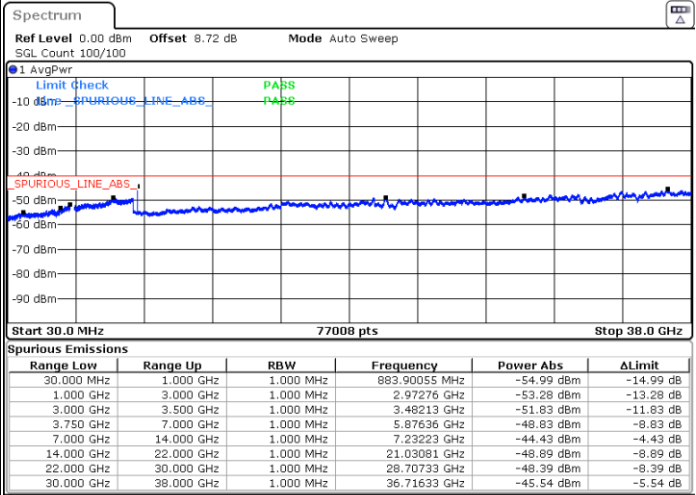
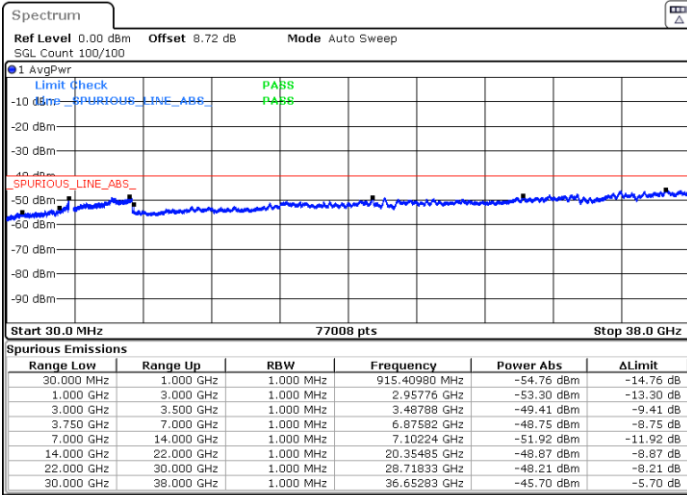


LTE Band 48 / 20MHz

QPSK / 1RB0

Lowest Channel

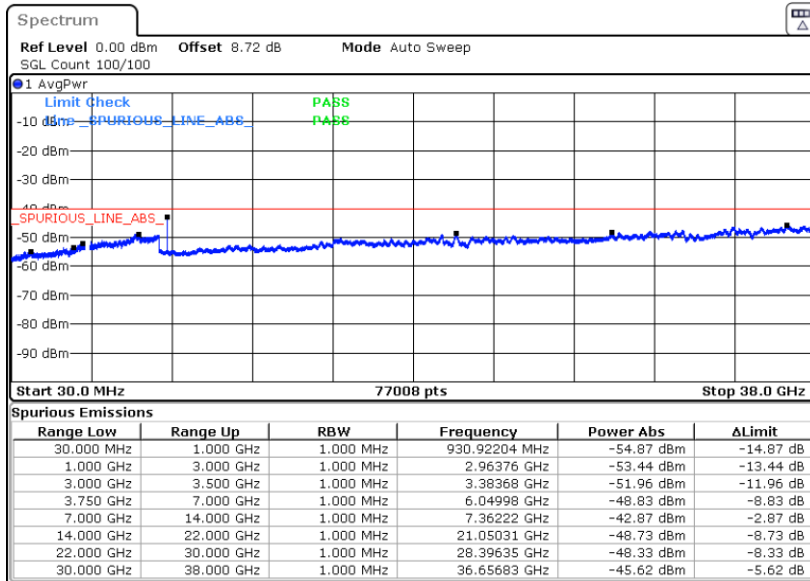
Middle Channel



Date: 2.OCT.2024 19:30:15

Date: 2.OCT.2024 19:31:41

Highest Channel



Date: 2.OCT.2024 19:33:06



### Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0031	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0019	
20	Battery End Point	0.0023	

**Note:**

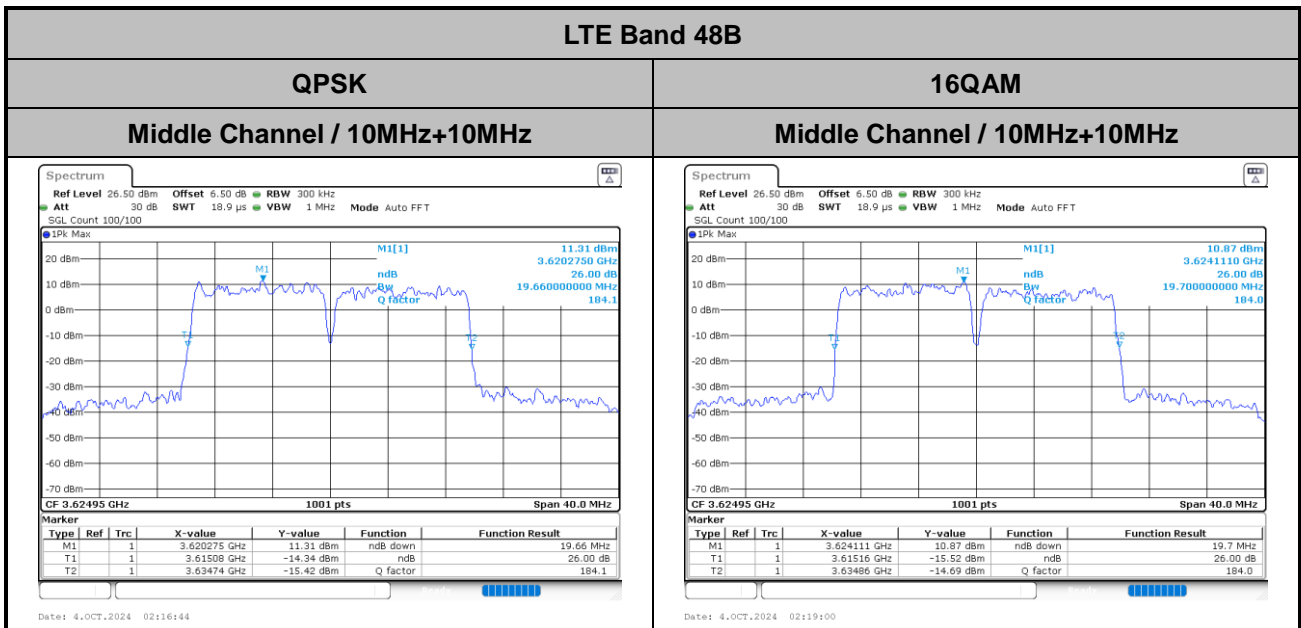
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 48B

## 26dB Bandwidth

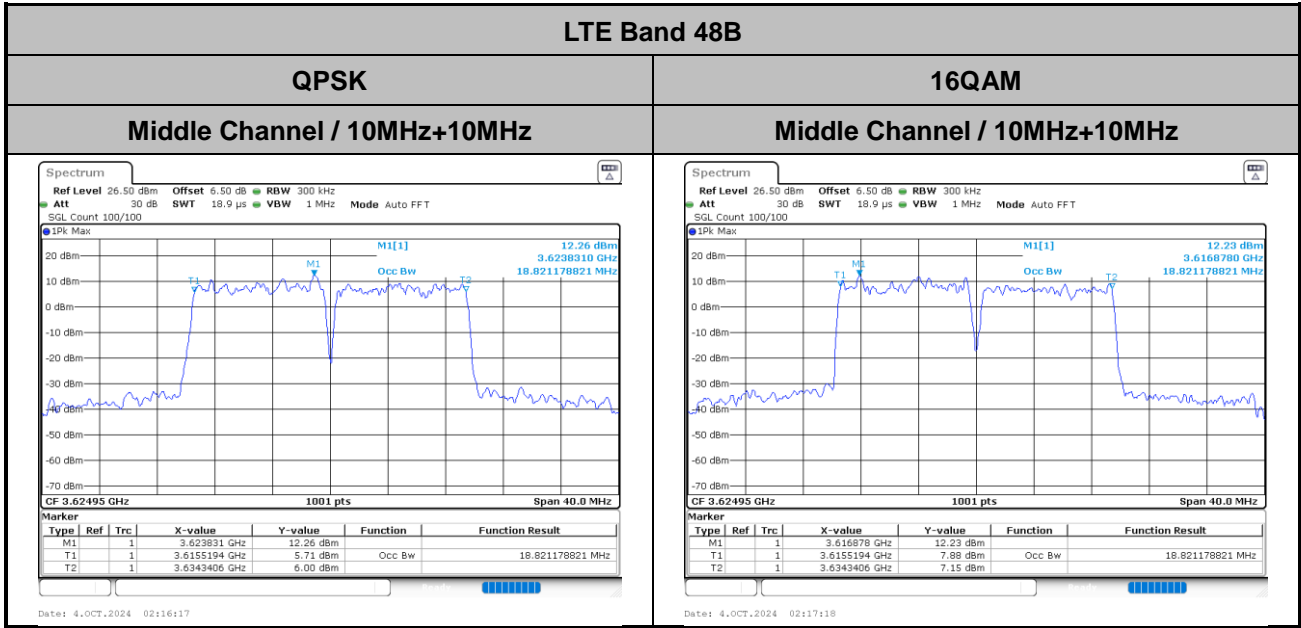
Mode	LTE Band 48B : 26dB BW(MHz)	
Mod.	QPSK	16QAM
BW	10MHz+10MHz	10MHz+10MHz
Middle CH	19.66	19.70





# Occupied Bandwidth

Mode	LTE Band 48B : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	10MHz+10MHz	10MHz+10MHz
Middle CH	18.82	18.82





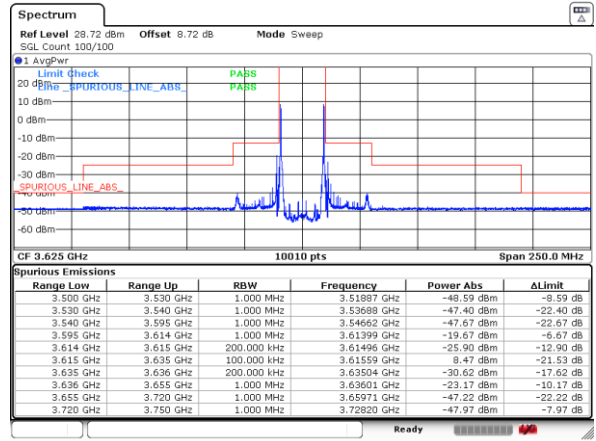
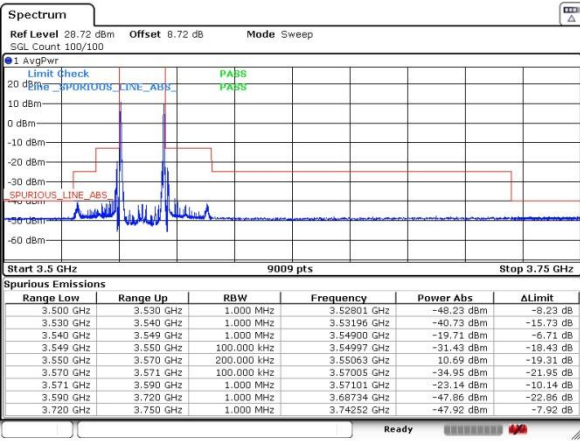
# Conducted Band Edge

## LTE Band 48B / 10MHz+10MHz

### QPSK

#### Lowest Band Edge / 1RB0 and 1RB49

#### Middle Band Edge / 1RB0 and 1RB49

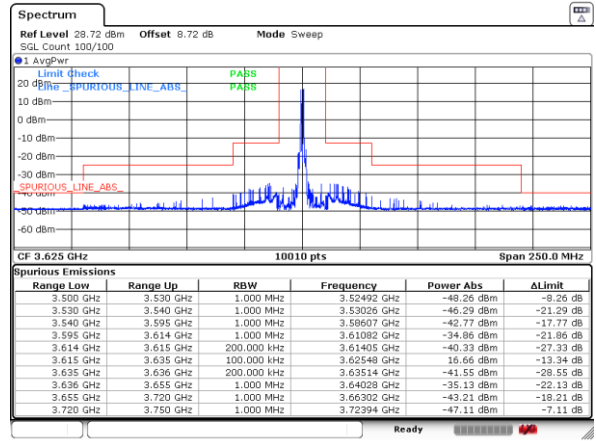
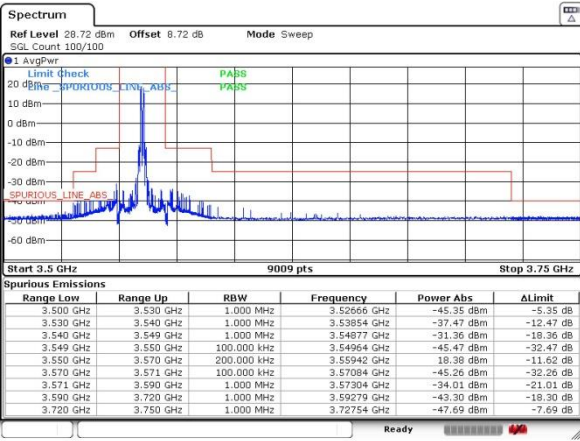


Date: 3.OCT.2024 16:05:42

Date: 3.OCT.2024 16:33:06

#### Lowest Band Edge / 1RB49 and 1RB0

#### Middle Band Edge / 1RB49 and 1RB0

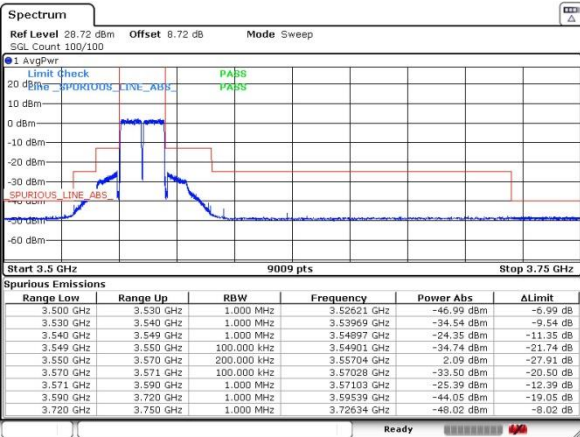


Date: 3.OCT.2024 16:08:54

Date: 3.OCT.2024 16:34:27

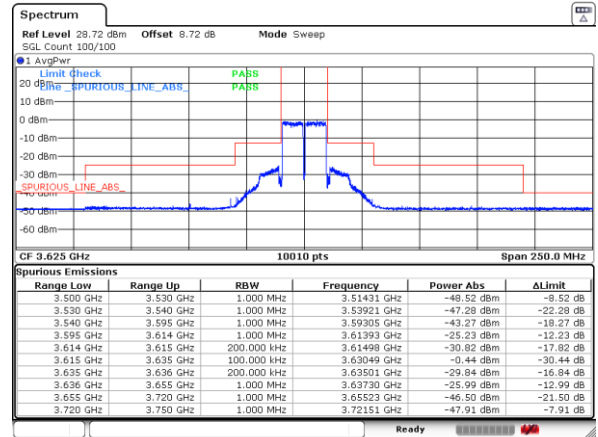


Lowest Band Edge / Full RB



Date: 3.OCT.2024 16:11:46

Middle Band Edge / Full RB



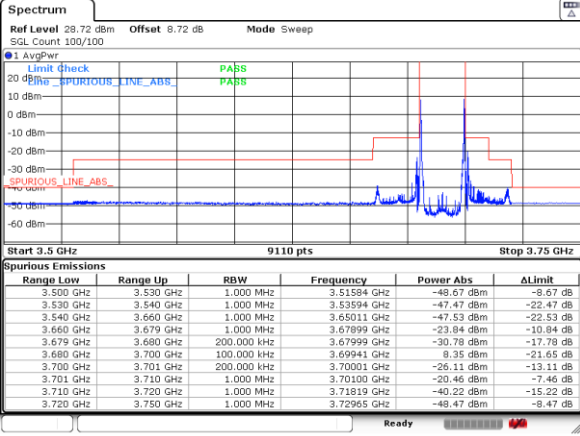
Date: 3.OCT.2024 16:16:29



LTE Band 48B / 10MHz+10MHz

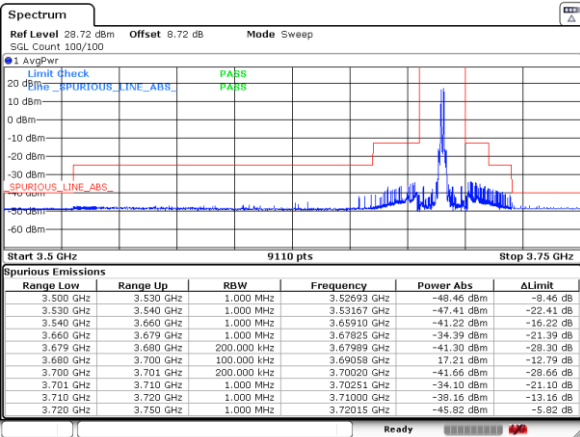
QPSK

Highest Band Edge / 1RB0 and 1RB49



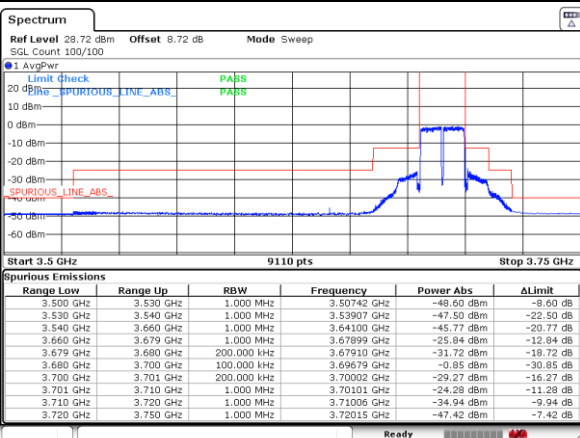
Date: 3.OCT.2024 17:01:51

Highest Band Edge / 1RB49 and 1RB0



Date: 3.OCT.2024 17:05:10

Highest Band Edge / Full RB



Date: 3.OCT.2024 16:58:00

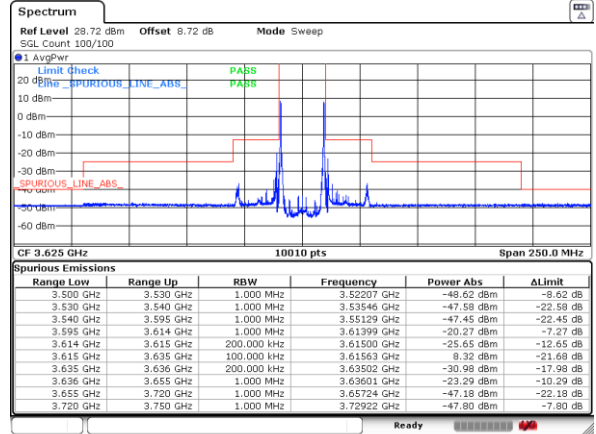
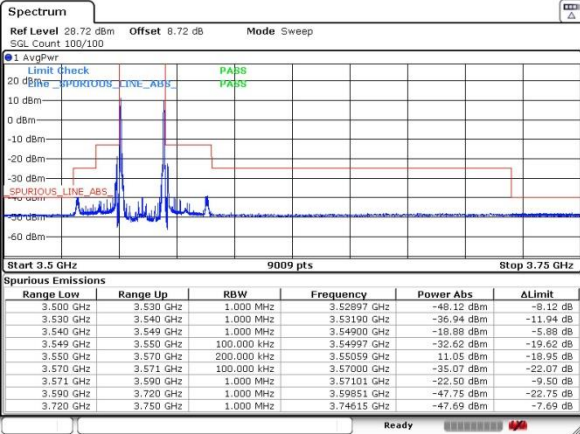


LTE Band 48B / 10MHz+10MHz

16QAM

Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49

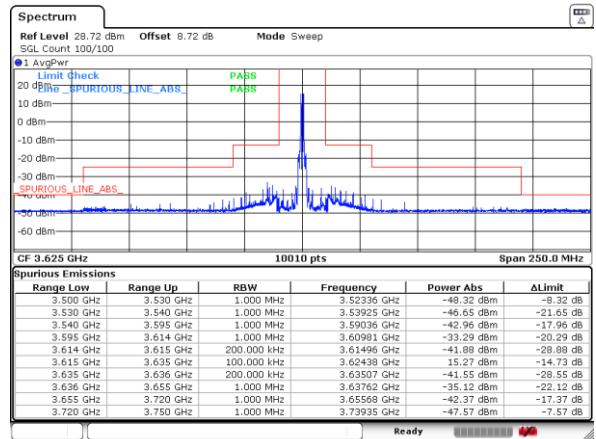
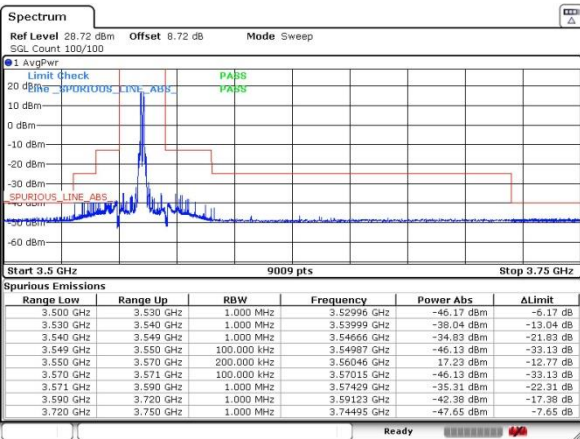


Date: 3.OCT.2024 16:10:35

Date: 3.OCT.2024 16:32:43

Lowest Band Edge / 1RB49 and 1RB0

Middle Band Edge / 1RB49 and 1RB0

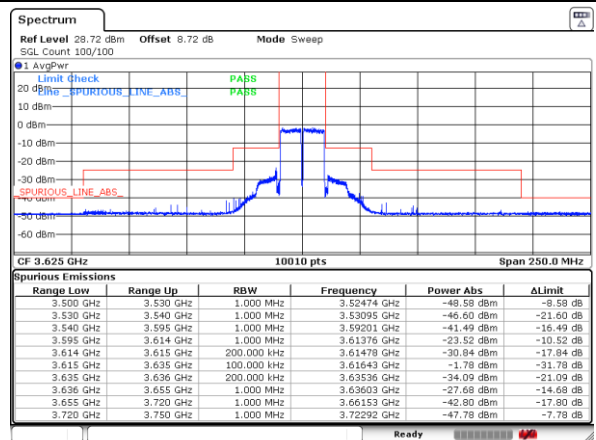
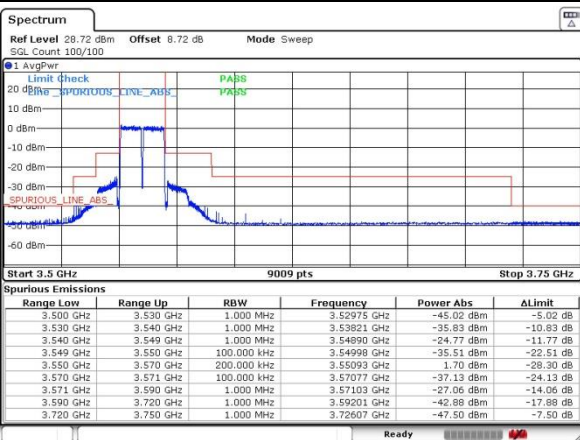


Date: 3.OCT.2024 16:09:34

Date: 3.OCT.2024 16:35:12

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 3.OCT.2024 16:12:15

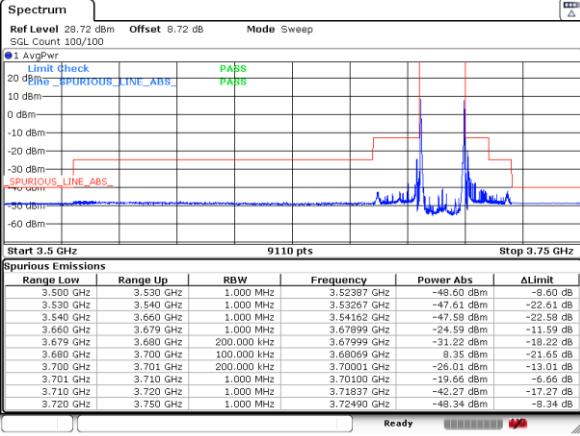
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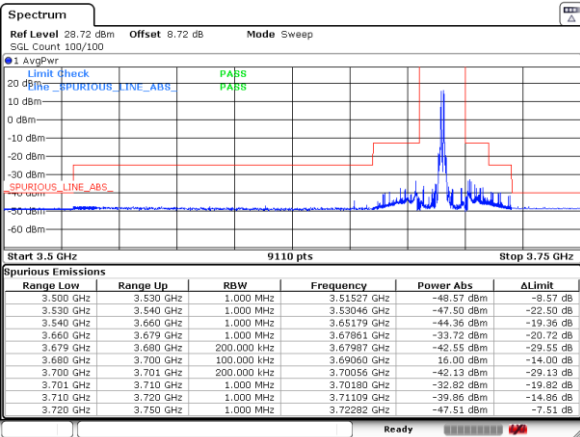
LTE Band 48B / 10MHz+10MHz

16QAM

Highest Band Edge / 1RB0 and 1RB49



Highest Band Edge / 1RB49 and 1RB0



Highest Band Edge / Full RB

