

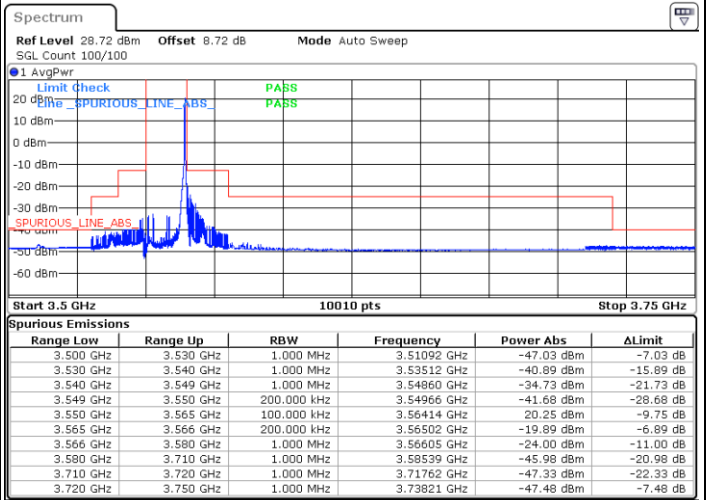
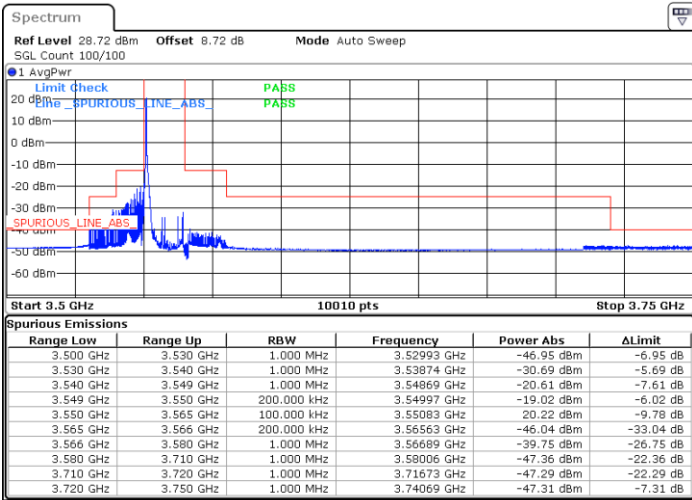


LTE Band 48 / 15MHz

QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

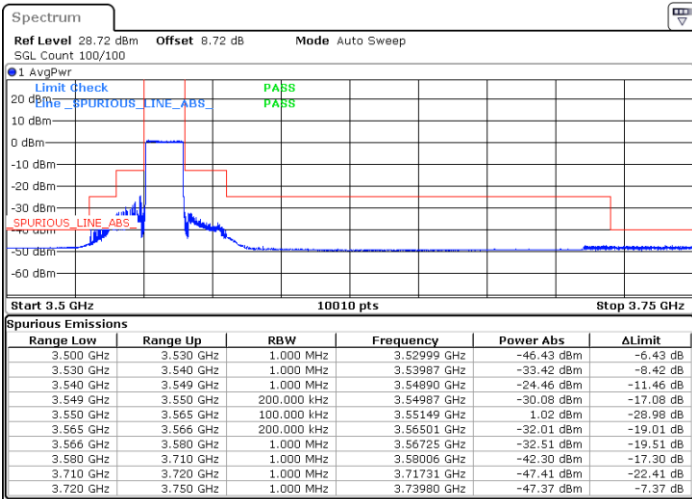


Date: 29.SEP.2022 16:56:22

Date: 29.SEP.2022 16:00:45

Lowest Channel / Full RB

N/A



Date: 29.SEP.2022 16:10:54

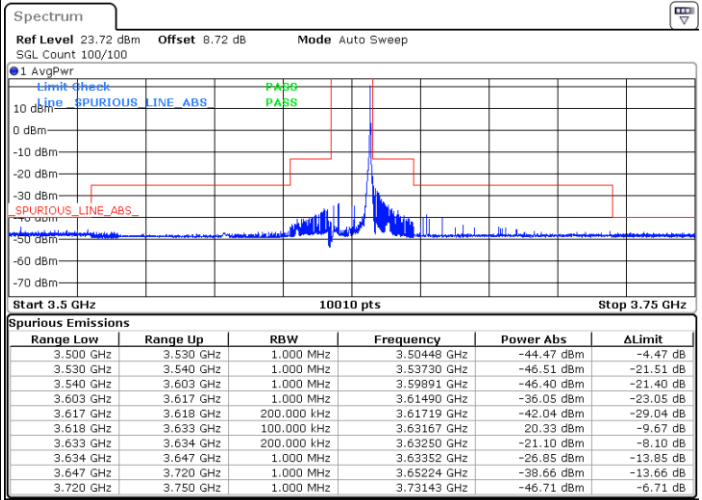
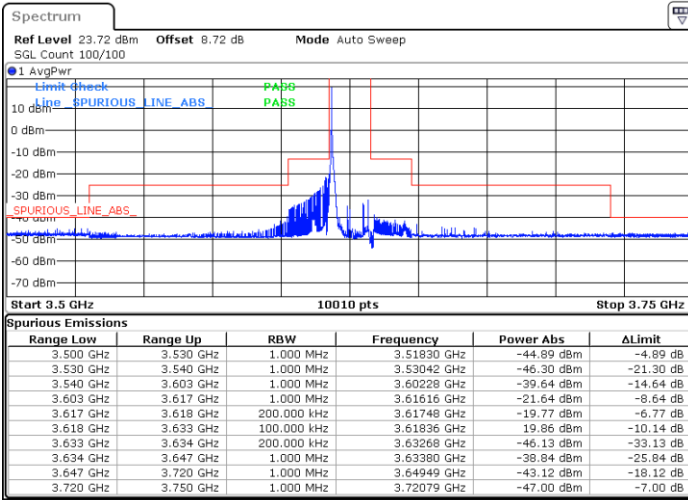


LTE Band 48 / 15MHz

QPSK

Middle Channel / 1RB0

Middle Channel / 1RBmax

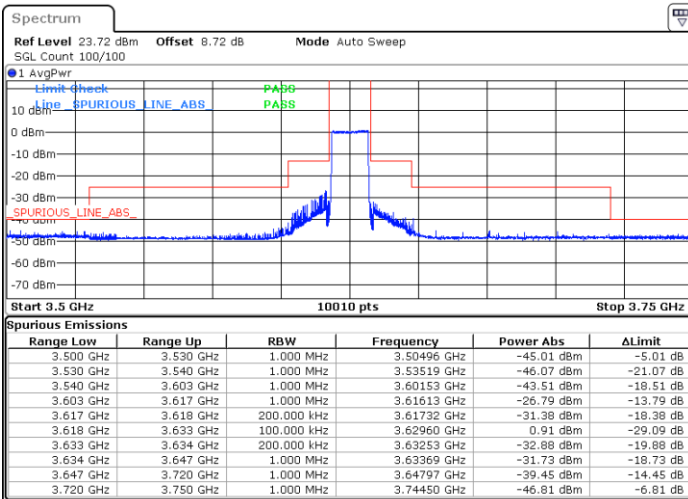


Date: 29\_SEP.2022 16:12:54

Date: 29\_SEP.2022 16:23:00

Middle Channel / Full RB

N/A



Date: 29\_SEP.2022 16:25:02

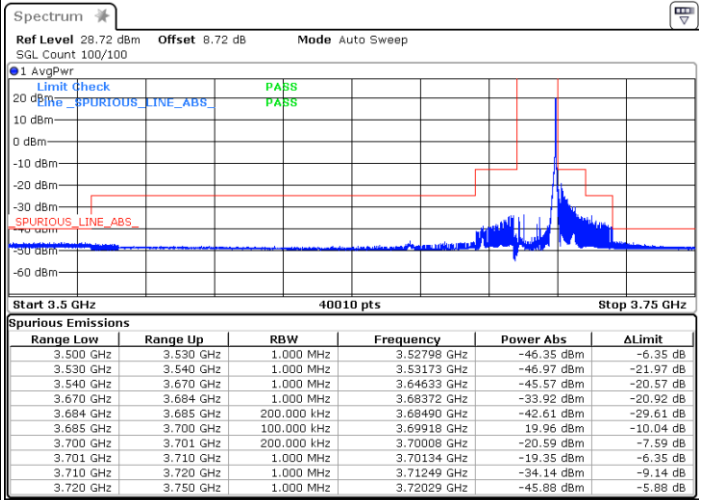
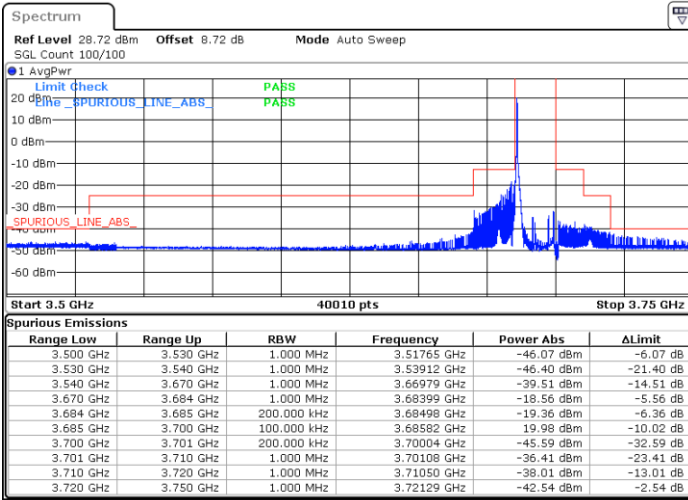


LTE Band 48 / 15MHz

QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax

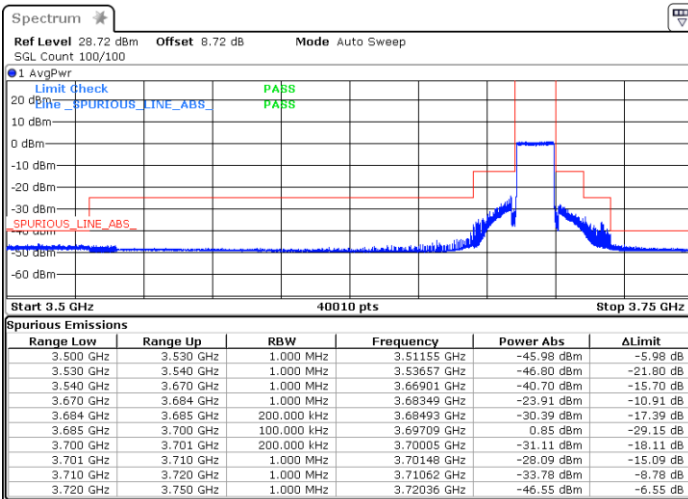


Date: 29\_SEP.2022 16:31:06

Date: 29\_SEP.2022 16:58:55

Highest Channel / Full RB

N/A



Date: 29\_SEP.2022 17:09:11

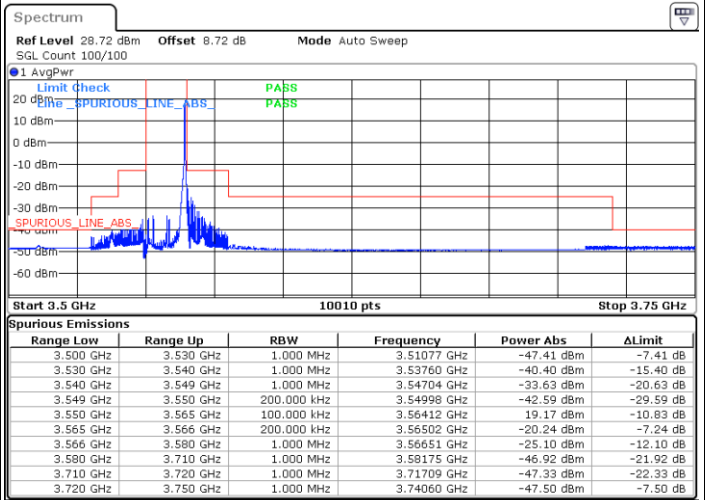
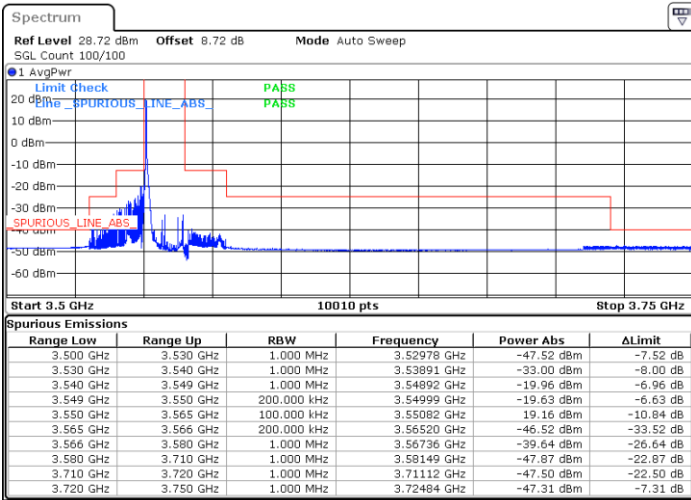


LTE Band 48 / 15MHz

16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

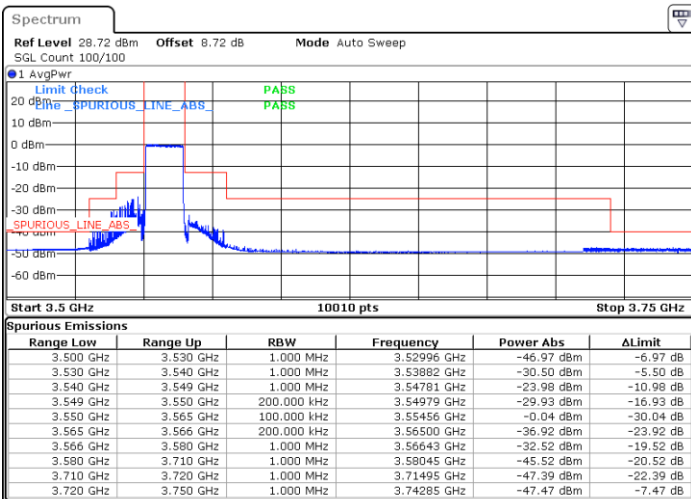


Date: 29\_SEP.2022 15:56:42

Date: 29\_SEP.2022 16:02:47

Lowest Channel / Full RB

N/A



Date: 29\_SEP.2022 16:08:52

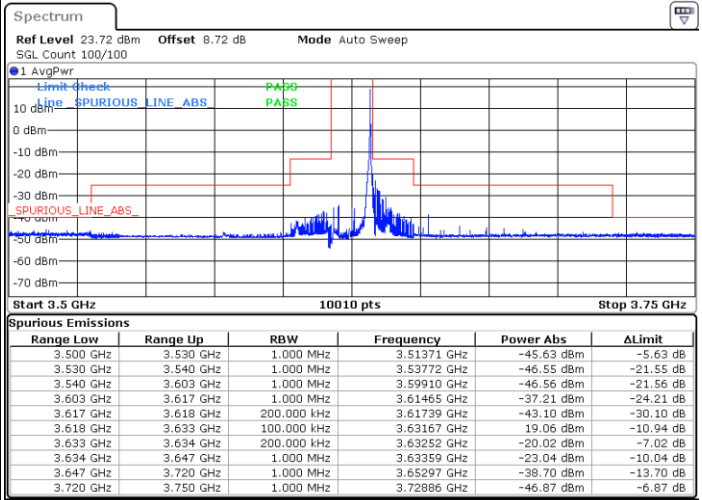
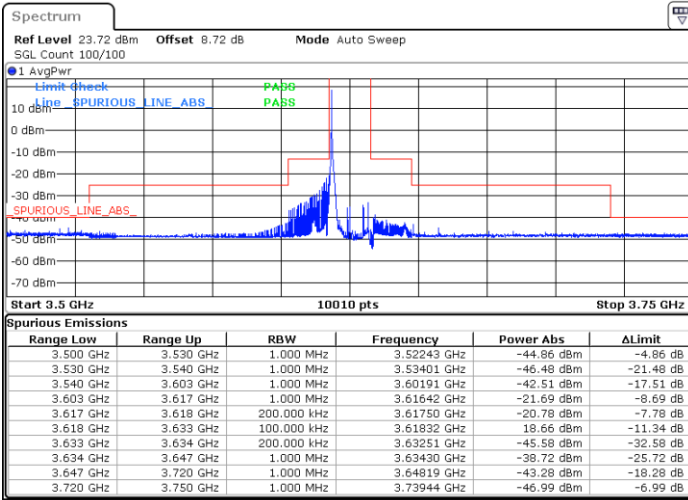


LTE Band 48 / 15MHz

16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

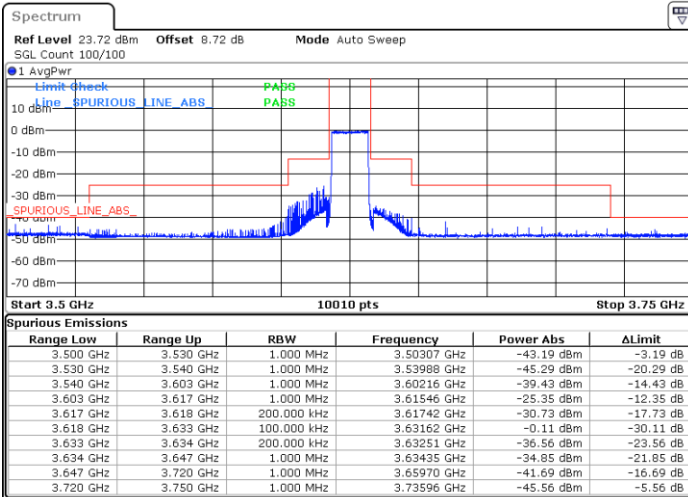


Date: 29\_SEP.2022 16:14:55

Date: 29\_SEP.2022 16:20:59

Middle Channel / Full RB

N/A



Date: 29\_SEP.2022 16:27:03

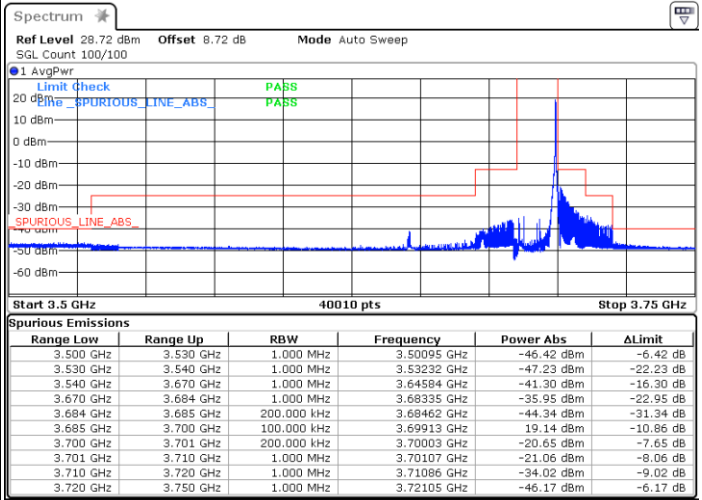
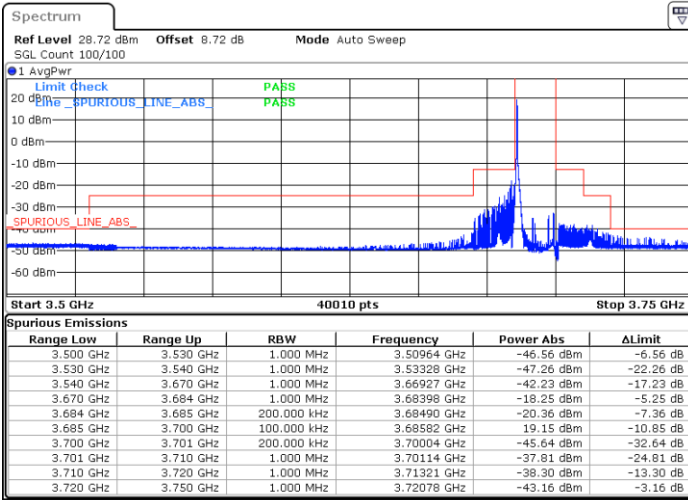


LTE Band 48 / 15MHz

16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

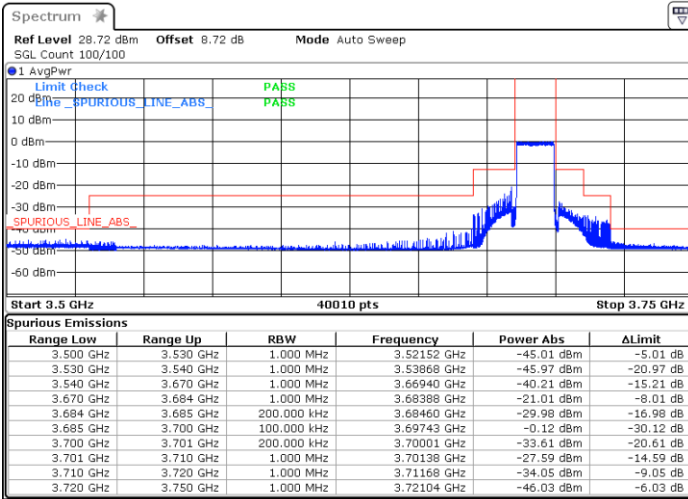


Date: 29\_SEP.2022 16:33:06

Date: 29\_SEP.2022 17:00:35

Highest Channel / Full RB

N/A



Date: 29\_SEP.2022 17:07:32

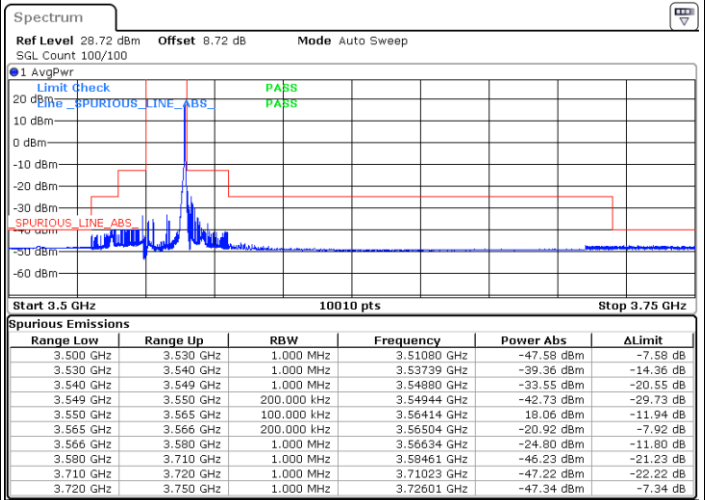
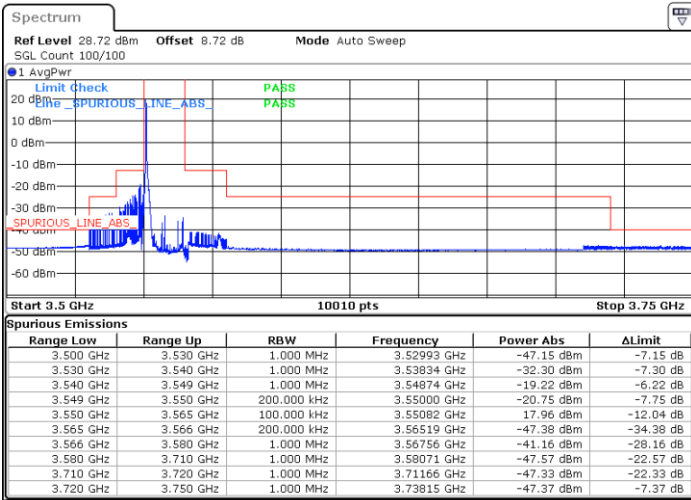


LTE Band 48 / 15MHz

64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

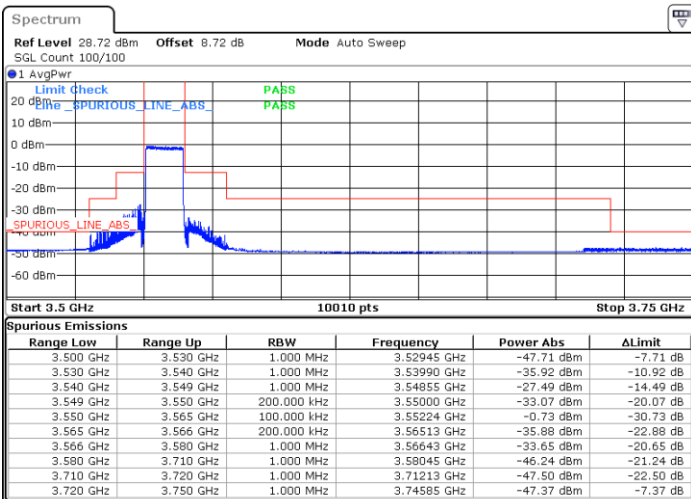


Date: 29\_SEP.2022 15:58:43

Date: 29\_SEP.2022 16:04:49

Lowest Channel / Full RB

N/A



Date: 29\_SEP.2022 16:06:50

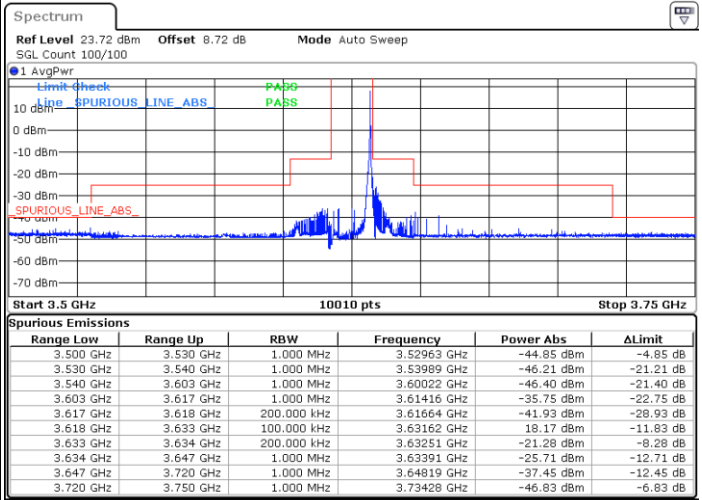
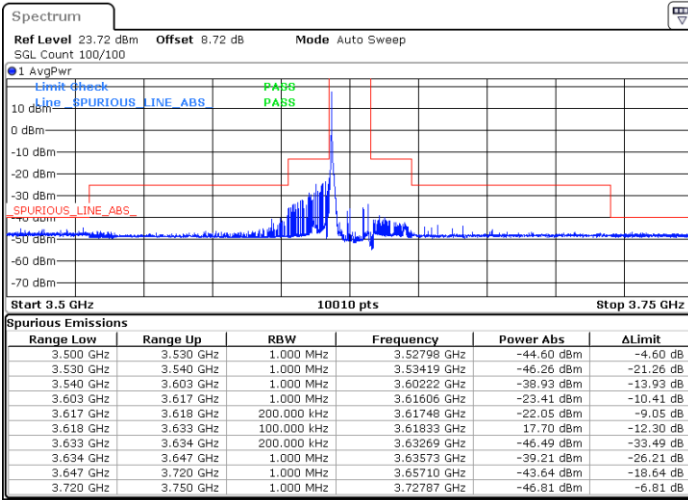


LTE Band 48 / 15MHz

64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

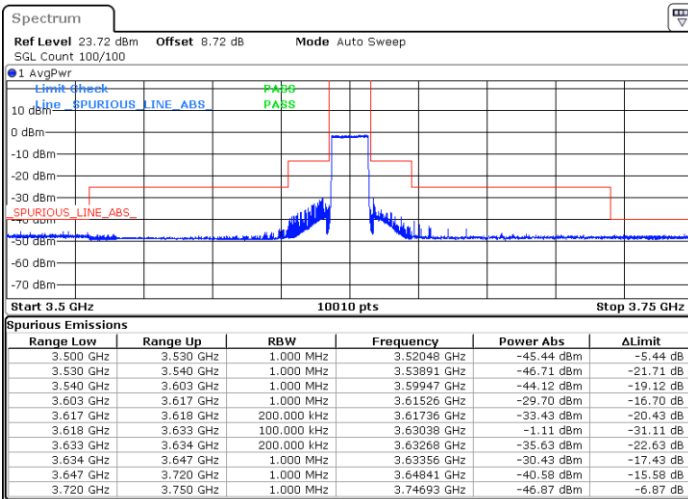


Date: 29\_SEP.2022 16:16:57

Date: 29\_SEP.2022 16:18:59

Middle Channel / Full RB

N/A



Date: 29\_SEP.2022 16:29:05



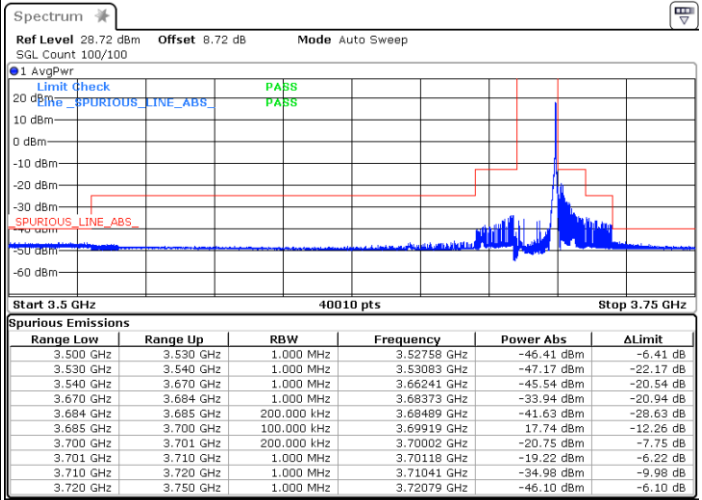
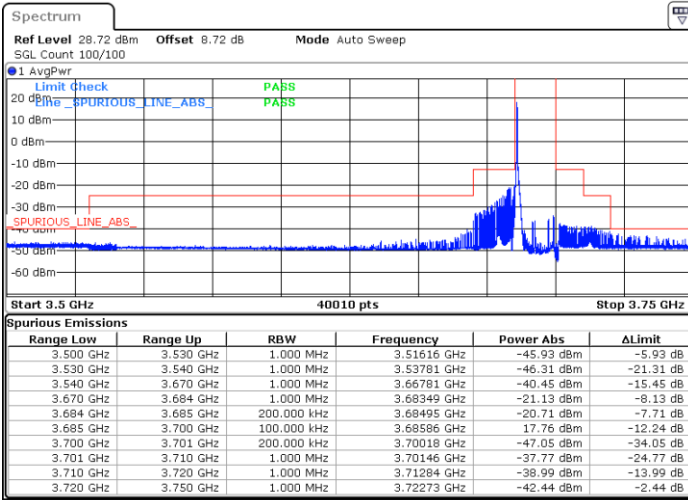


LTE Band 48 / 15MHz

64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax

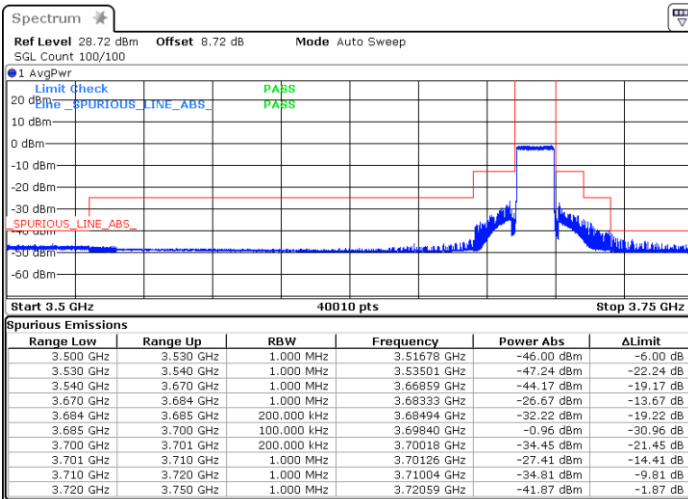


Date: 29\_SEP.2022 16:35:09

Date: 29\_SEP.2022 17:03:10

Highest Channel / Full RB

N/A



Date: 29\_SEP.2022 17:04:53

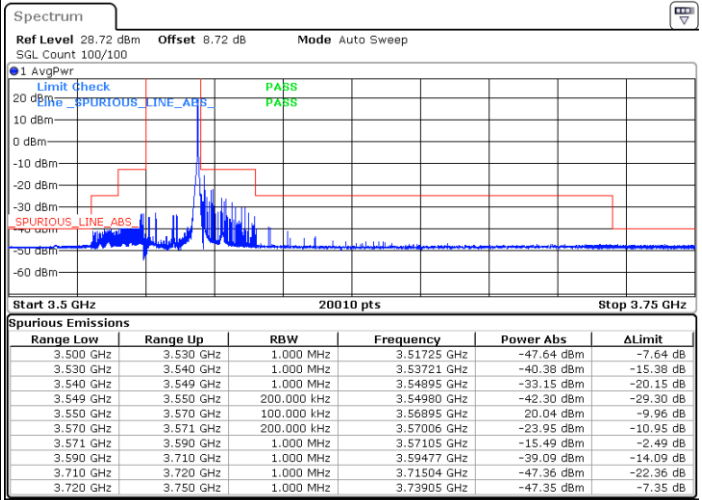
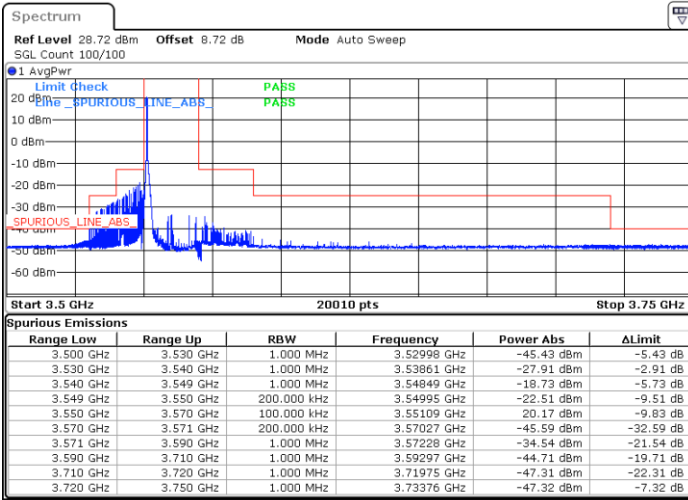


LTE Band 48 / 20MHz

QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax

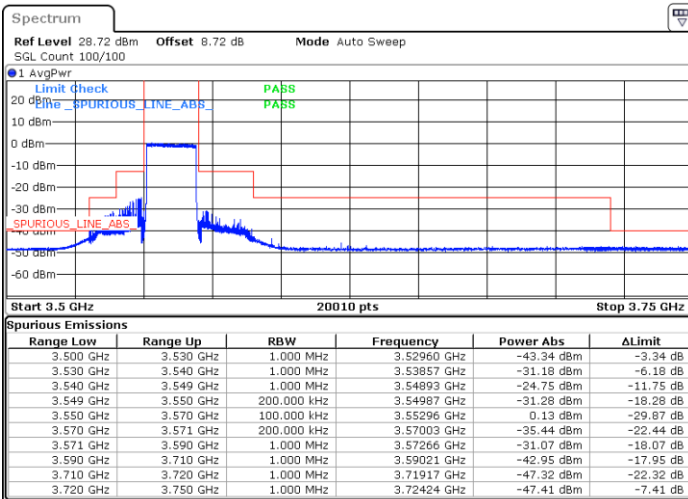


Date: 29\_SEP.2022 17:12:58

Date: 29\_SEP.2022 17:23:15

Lowest Channel / Full RB

N/A



Date: 29\_SEP.2022 17:25:25

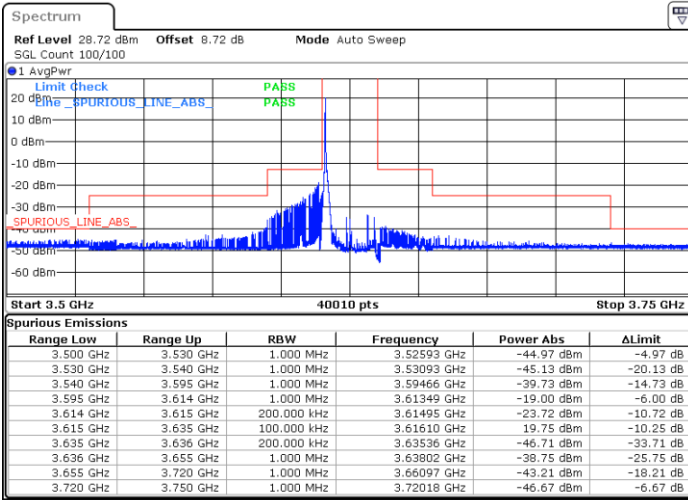


LTE Band 48 / 20MHz

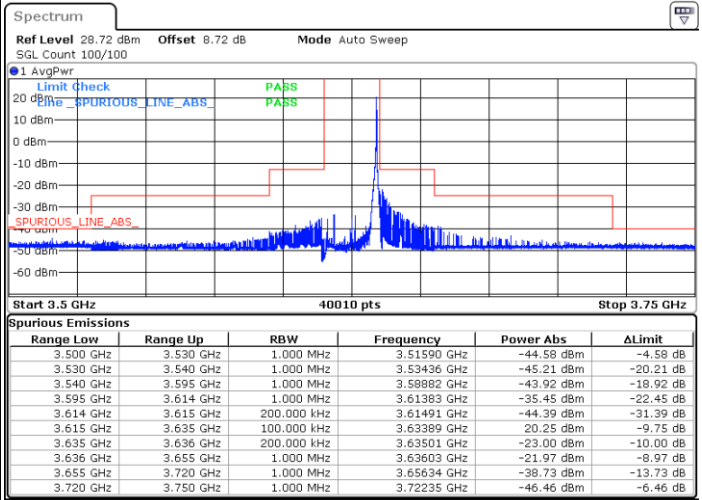
QPSK

Middle Channel / 1RB0

Middle Channel / 1RBmax



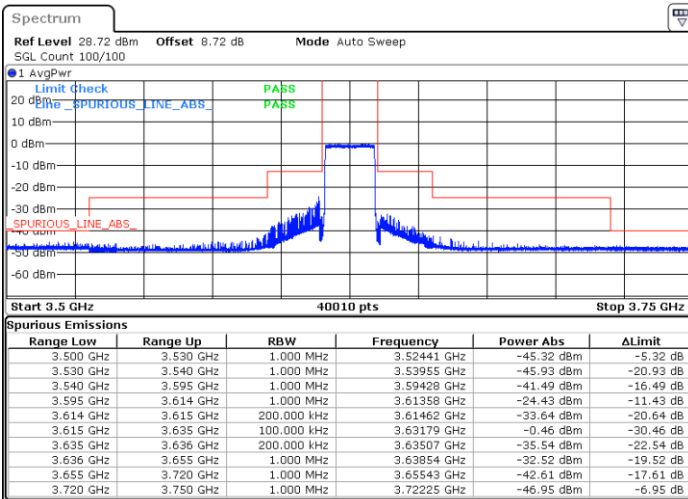
Date: 29\_SEP.2022 17:31:31



Date: 29\_SEP.2022 17:41:38

Middle Channel / Full RB

N/A



Date: 29\_SEP.2022 17:43:38

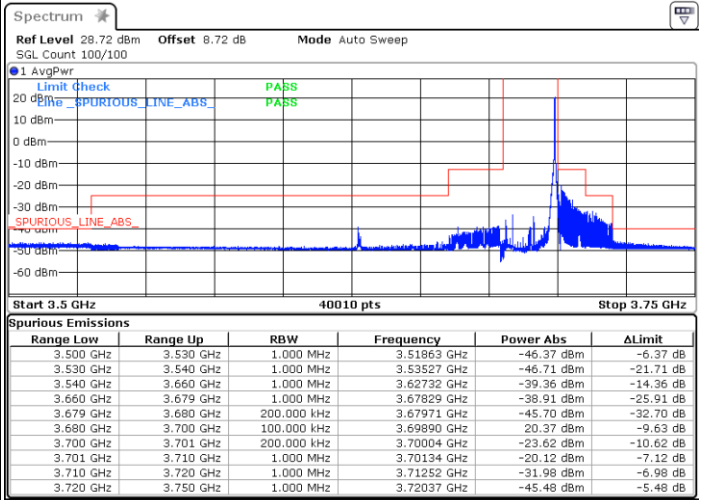
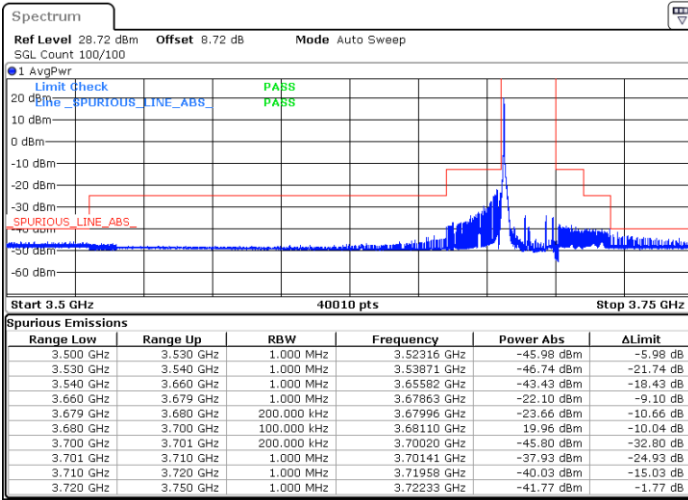


LTE Band 48 / 20MHz

QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax

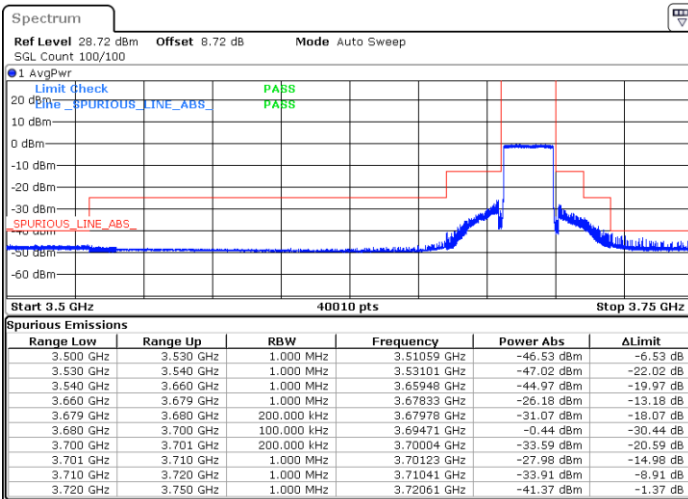


Date: 29\_SEP.2022 18:23:41

Date: 29\_SEP.2022 18:21:53

Highest Channel / Full RB

N/A



Date: 29\_SEP.2022 18:01:52

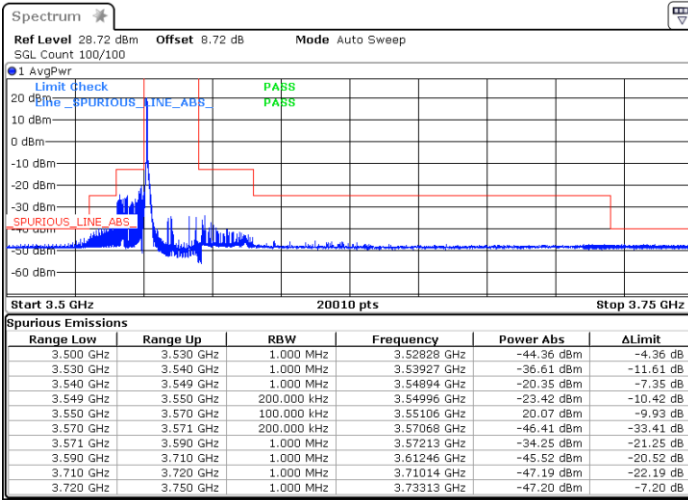


LTE Band 48 / 20MHz

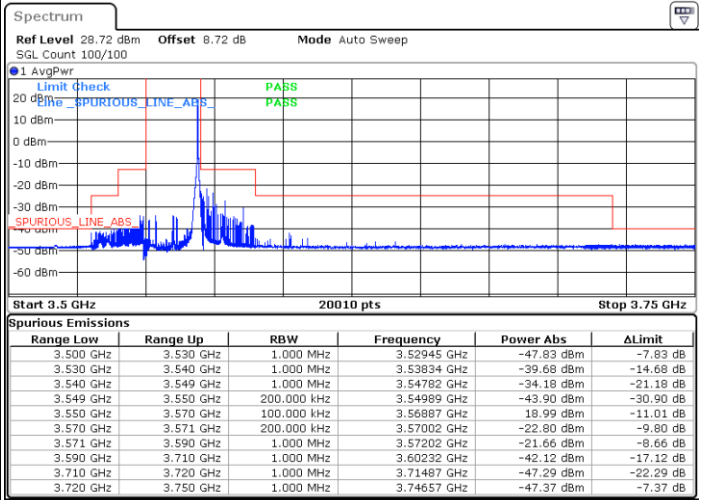
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



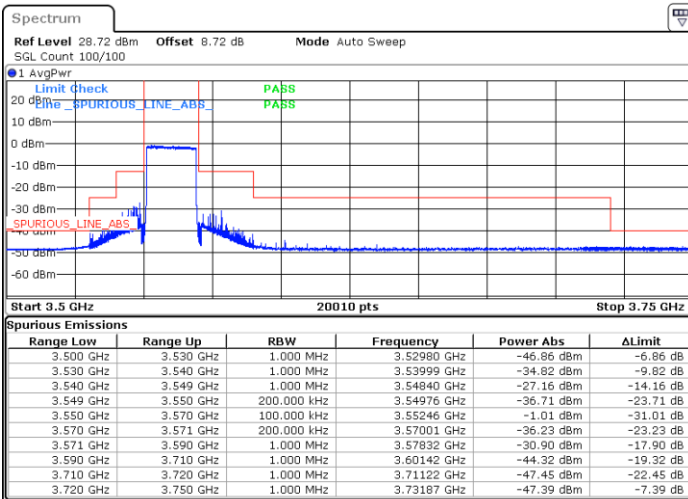
Date: 29\_SEP.2022 17:15:03



Date: 29\_SEP.2022 17:21:08

Lowest Channel / Full RB

N/A



Date: 29\_SEP.2022 17:27:27

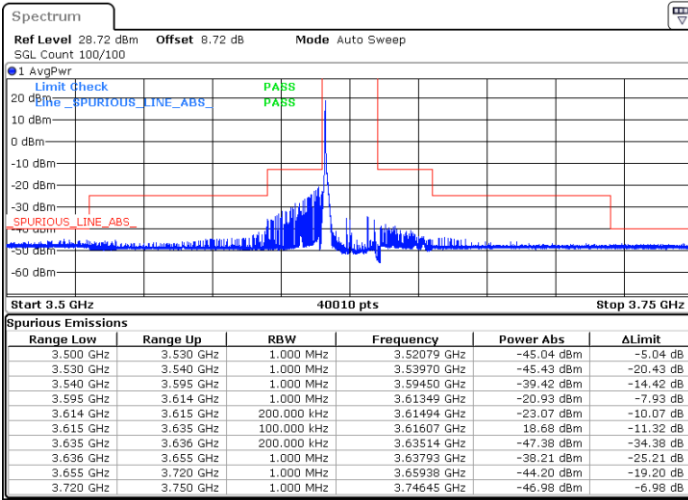


LTE Band 48 / 20MHz

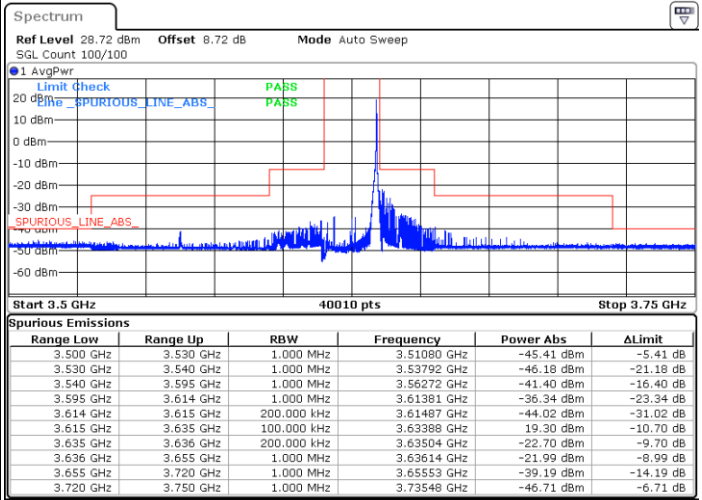
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



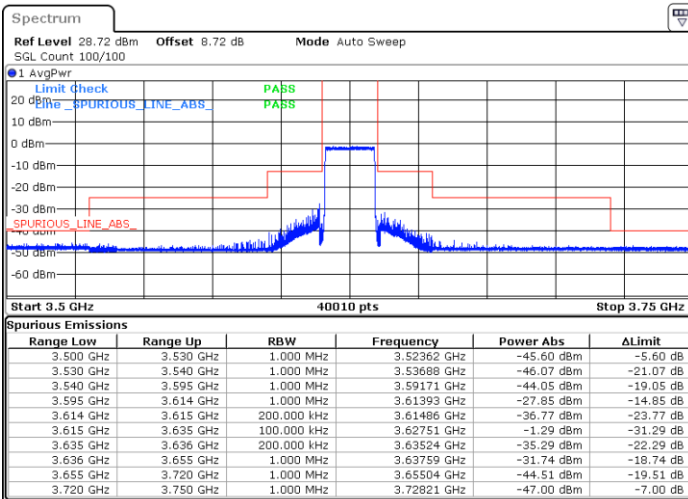
Date: 29\_SEP.2022 17:33:33



Date: 29\_SEP.2022 17:39:38

Middle Channel / Full RB

N/A



Date: 29\_SEP.2022 17:45:39

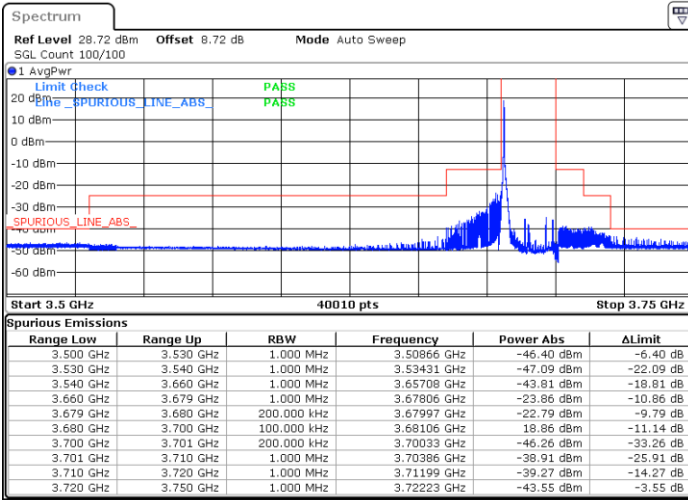


LTE Band 48 / 20MHz

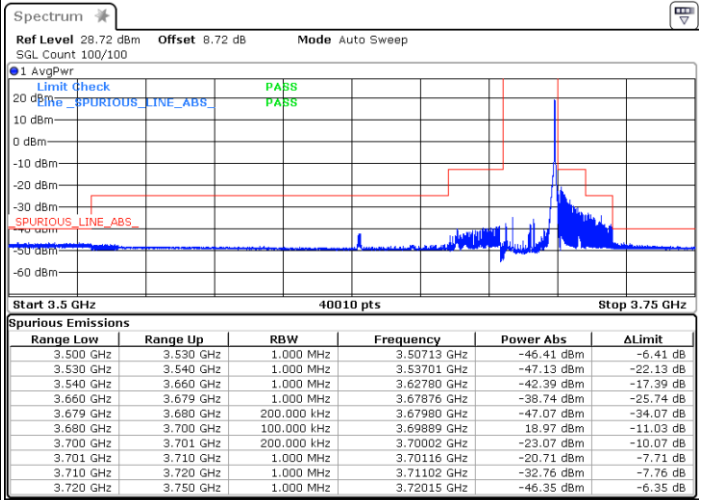
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



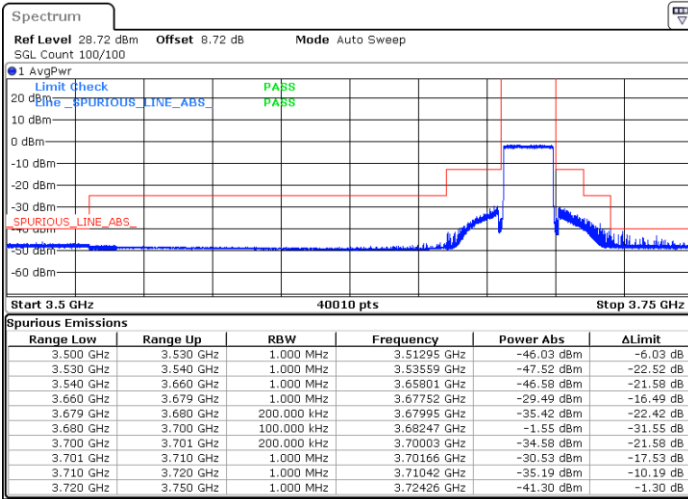
Date: 29\_SEP.2022 17:51:43



Date: 29\_SEP.2022 18:20:12

Highest Channel / Full RB

N/A



Date: 29\_SEP.2022 18:03:54

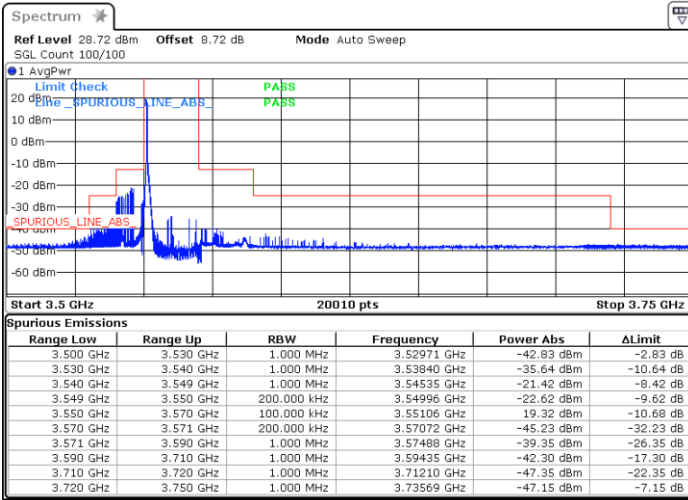


LTE Band 48 / 20MHz

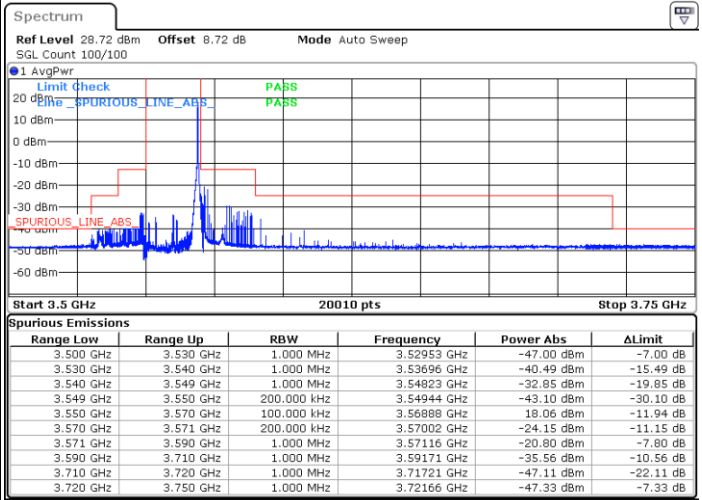
64QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



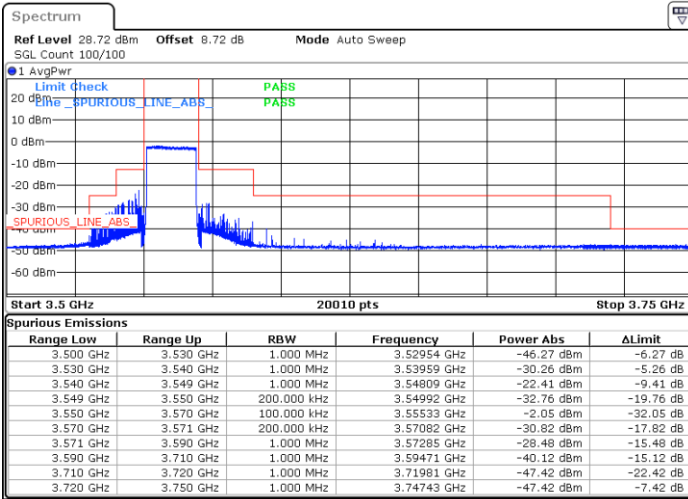
Date: 29\_SEP.2022 17:17:05



Date: 29\_SEP.2022 17:19:07

Lowest Channel / Full RB

N/A



Date: 29\_SEP.2022 17:29:30



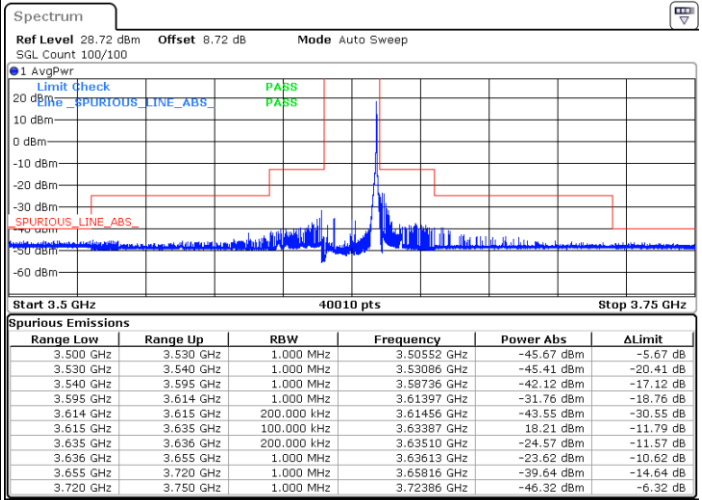
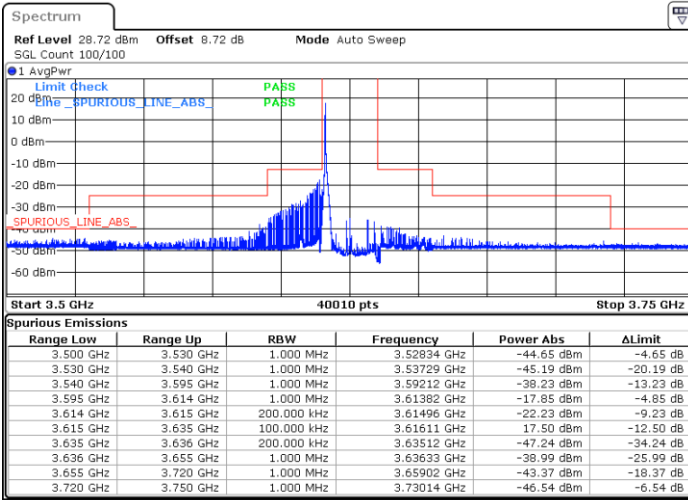


LTE Band 48 / 20MHz

64QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

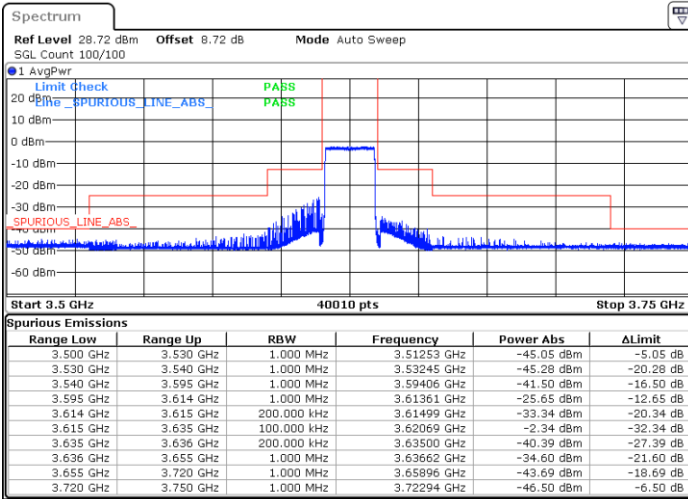


Date: 29\_SEP.2022 17:35:35

Date: 29\_SEP.2022 17:37:36

Middle Channel / Full RB

N/A



Date: 29\_SEP.2022 17:47:40

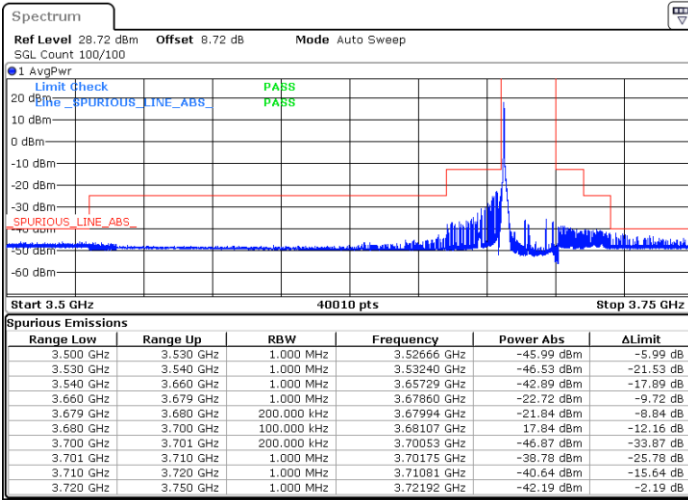


LTE Band 48 / 20MHz

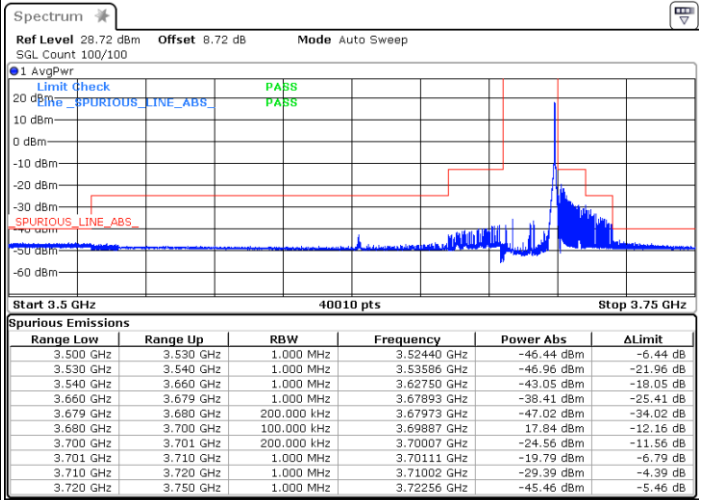
64QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



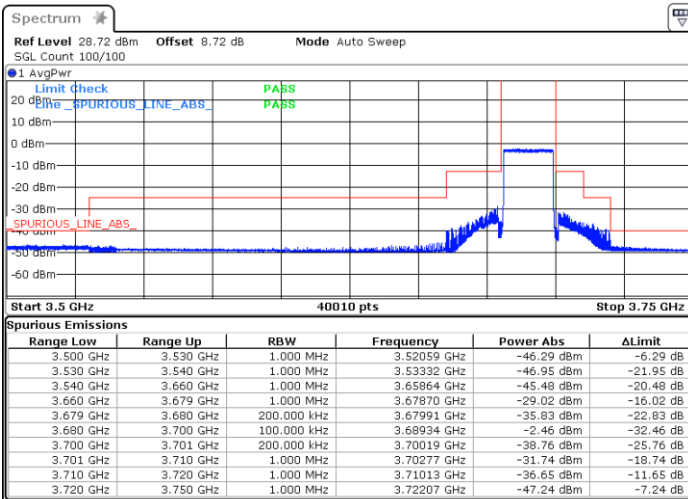
Date: 29\_SEP.2022 17:53:46



Date: 29\_SEP.2022 18:11:27

Highest Channel / Full RB

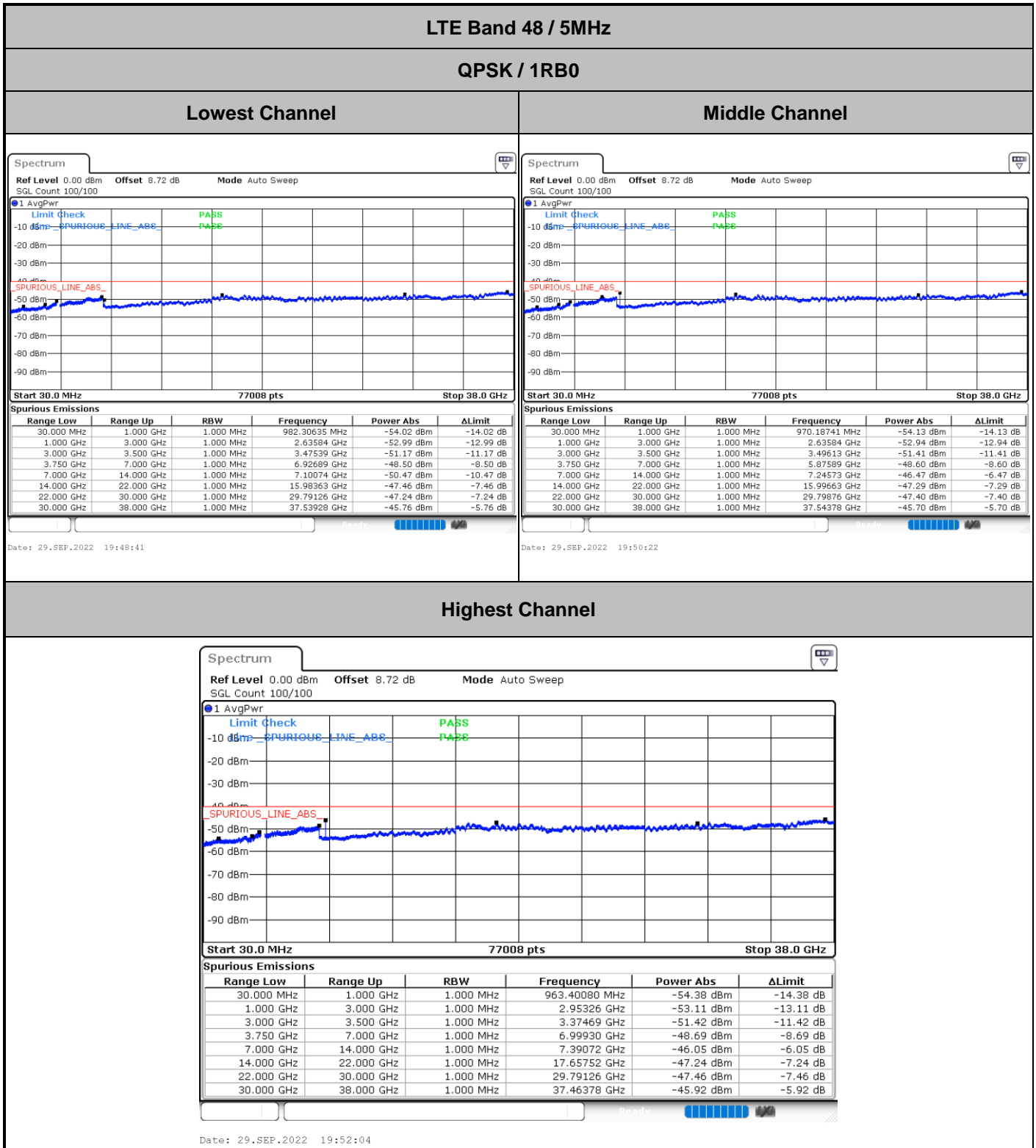
N/A



Date: 29\_SEP.2022 18:09:10



# Conducted Spurious Emission



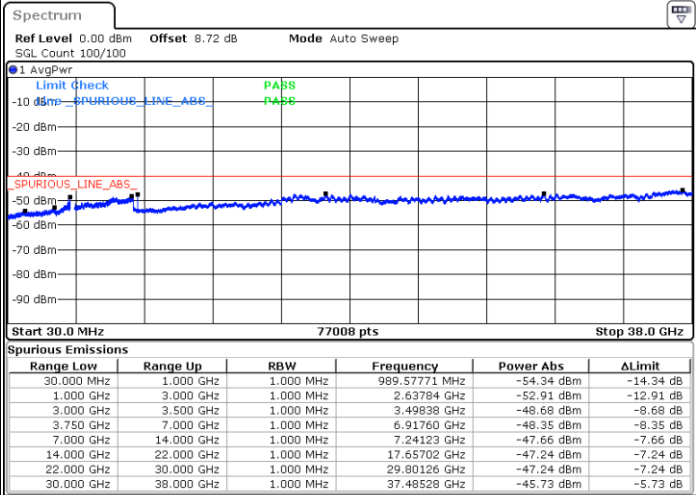
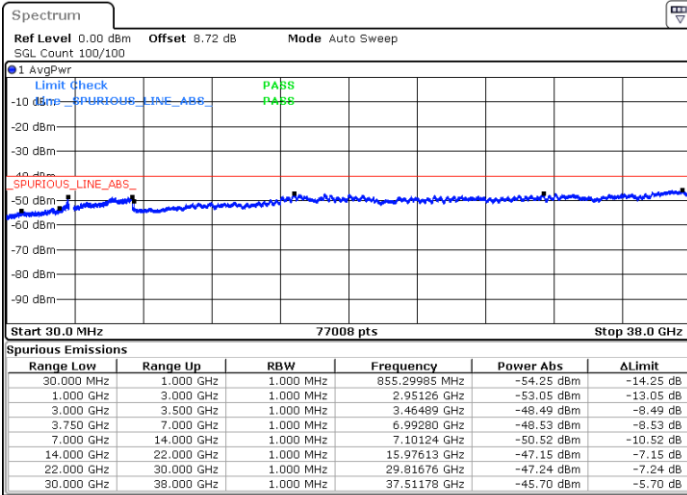


LTE Band 48 / 10MHz

QPSK / 1RB0

Lowest Channel

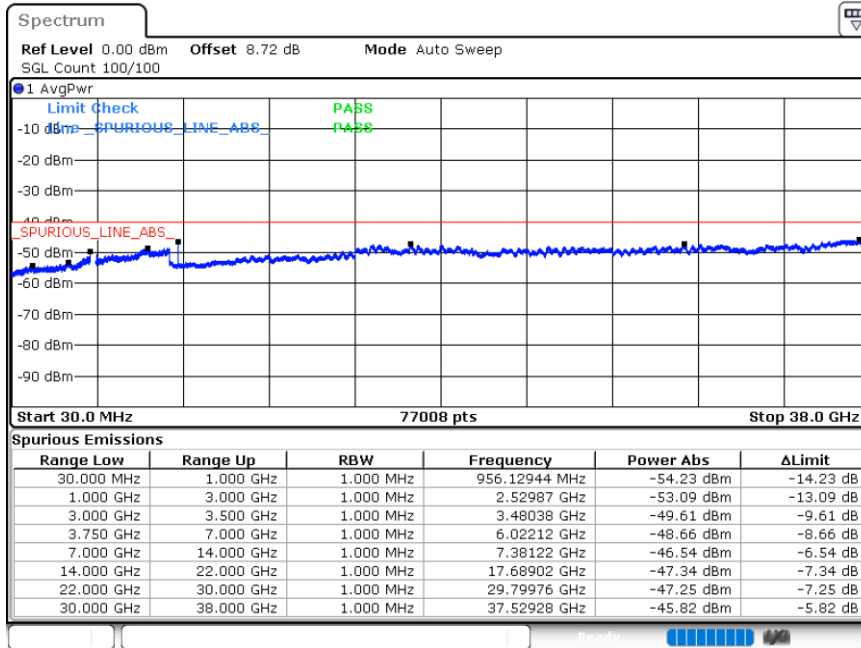
Middle Channel



Date: 29.SEP.2022 19:53:46

Date: 29.SEP.2022 19:55:28

Highest Channel



Date: 29.SEP.2022 19:57:11

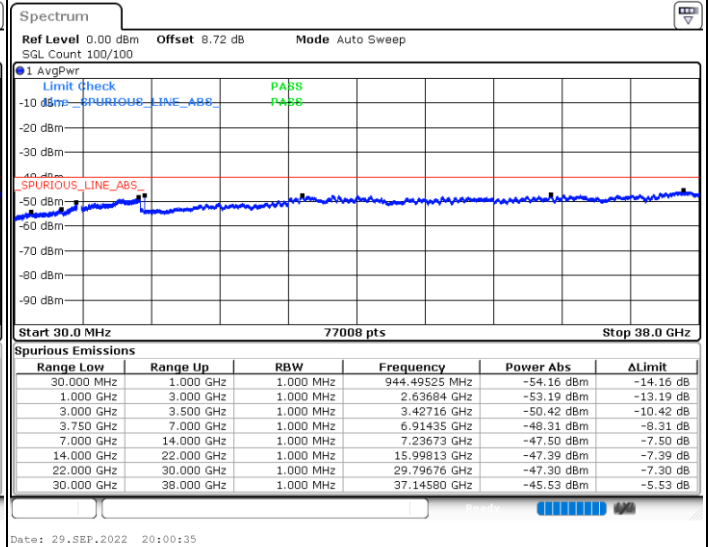
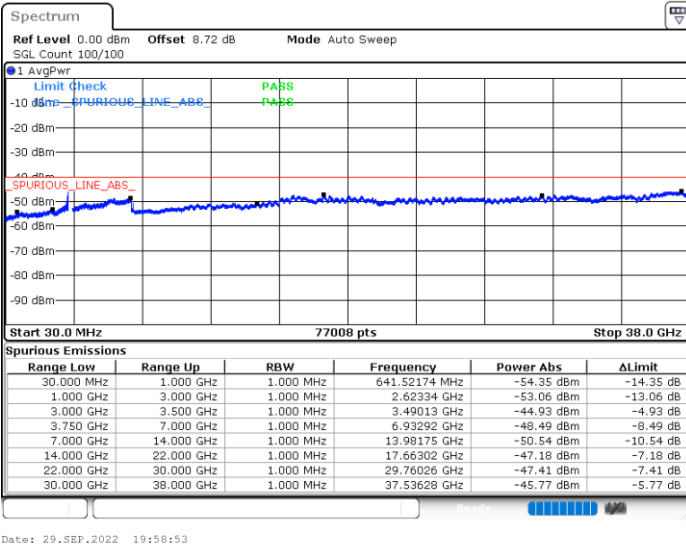


LTE Band 48 / 15MHz

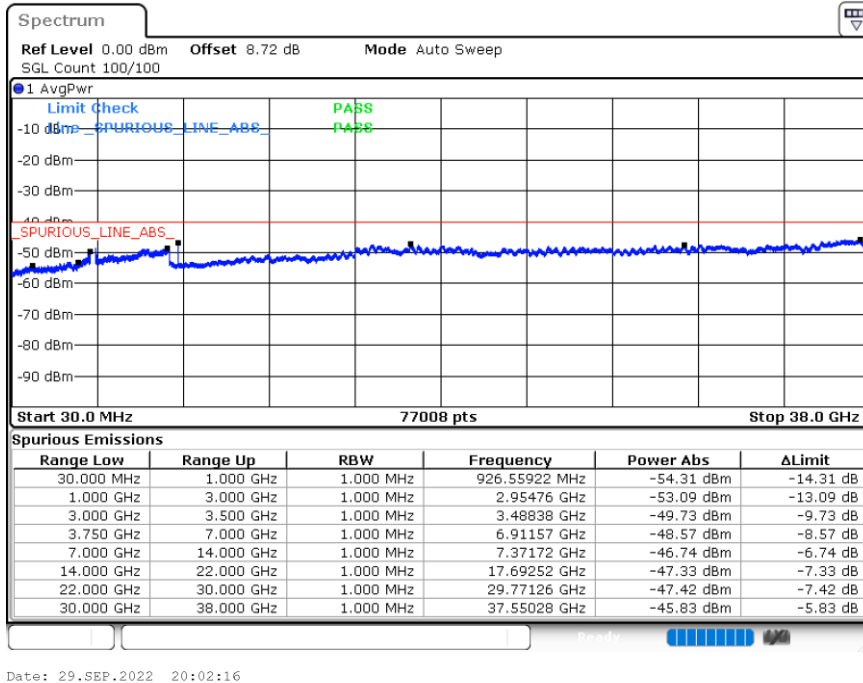
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



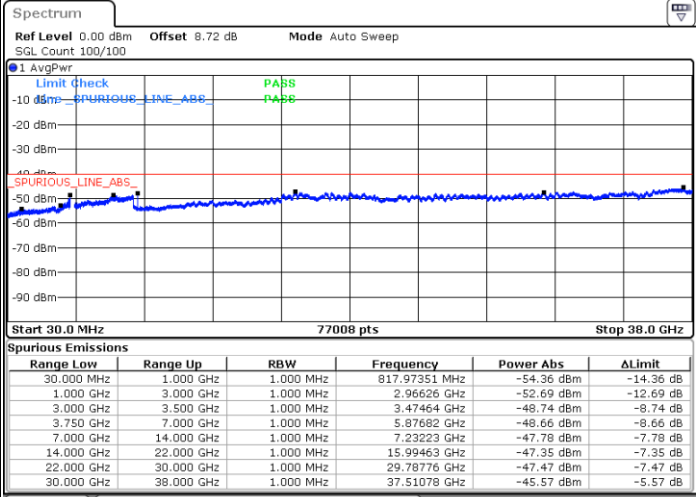
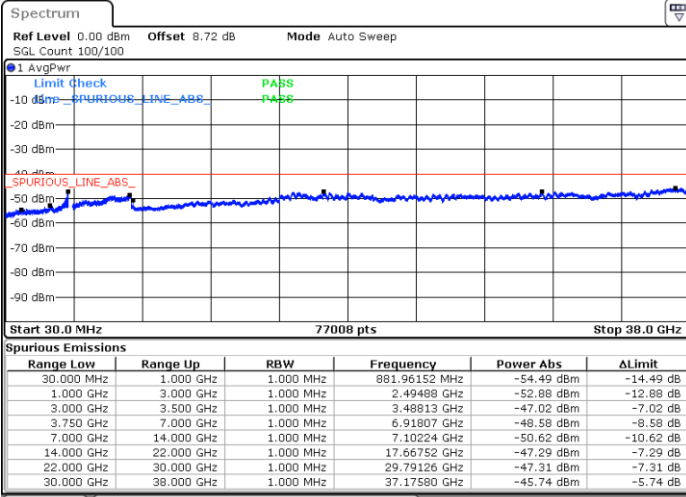


LTE Band 48 / 20MHz

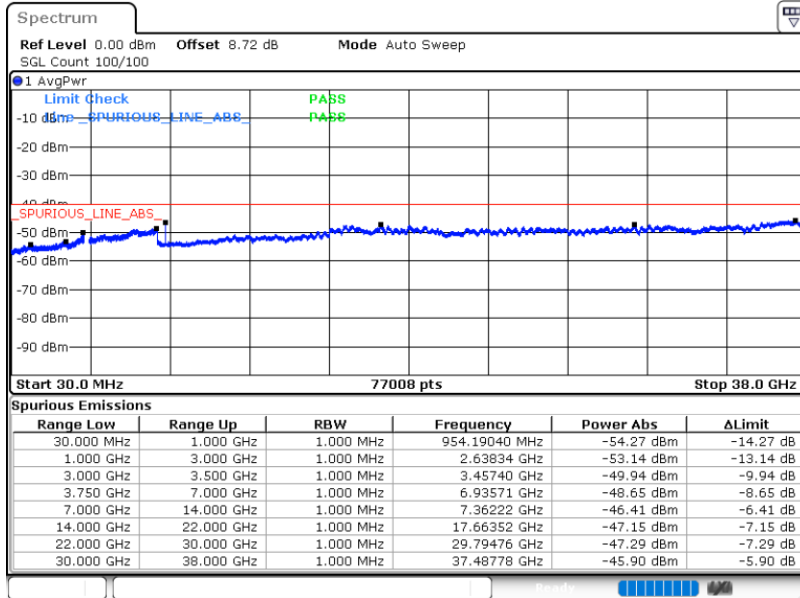
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel





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	0.0031	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0012	

Note:

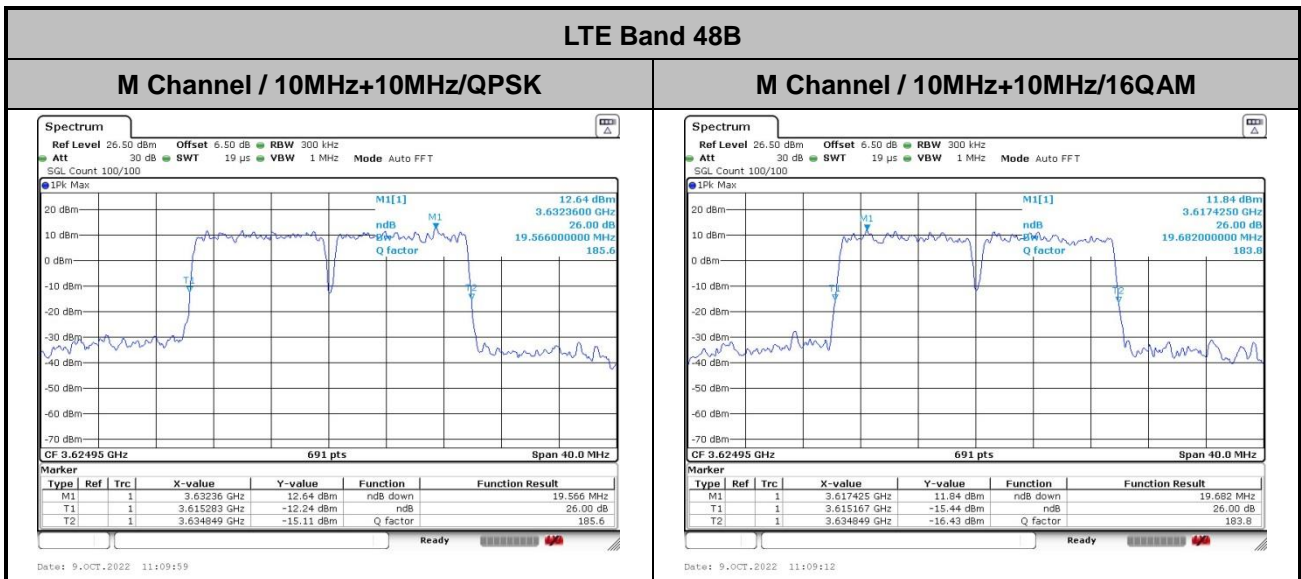
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 48B

## 26dB Bandwidth

Mode	LTE Band 48B : 26dB BW(MHz)	
QPSK	QPSK	16QAM
BW	10MHz+10MHz	10MHz+10MHz
Middle CH	19.57	19.68

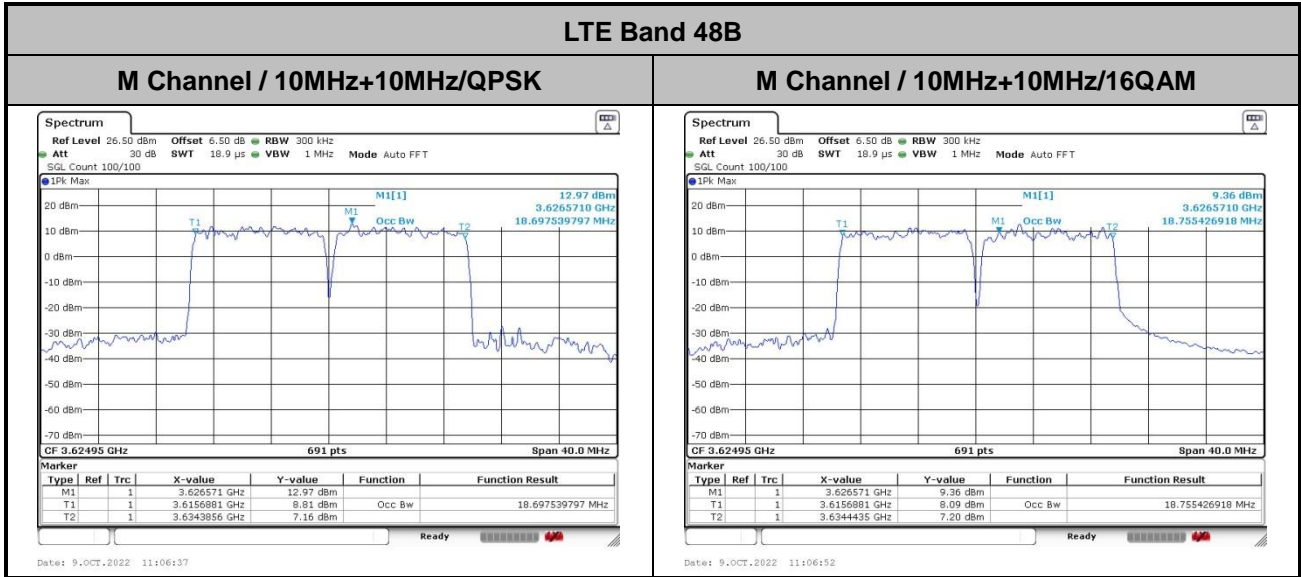






# Occupied Bandwidth

Mode	LTE Band 48B : 99%OBW(MHz)	
QPSK	QPSK	16QAM
BW	10MHz+10MHz	10MHz+10MHz
Middle CH	18.70	18.76



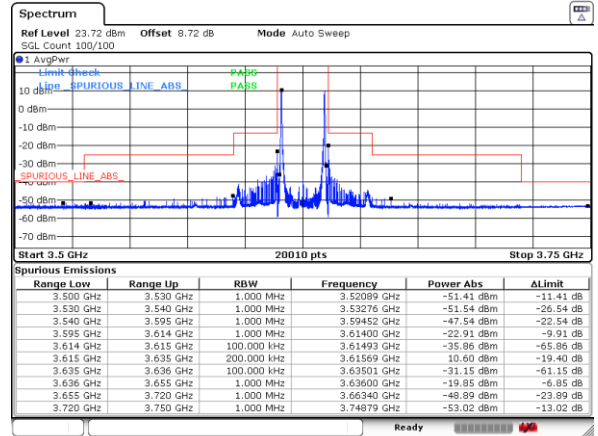
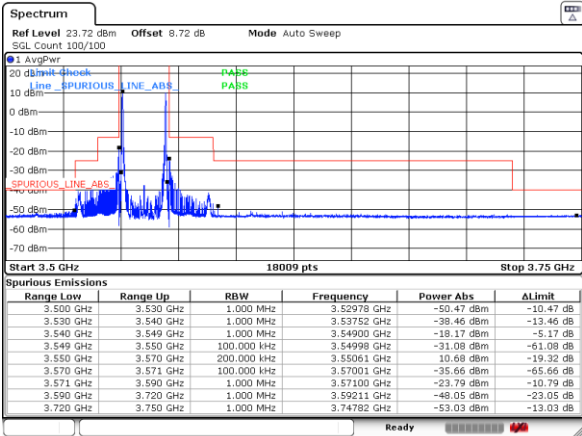


# Conducted Band Edge

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

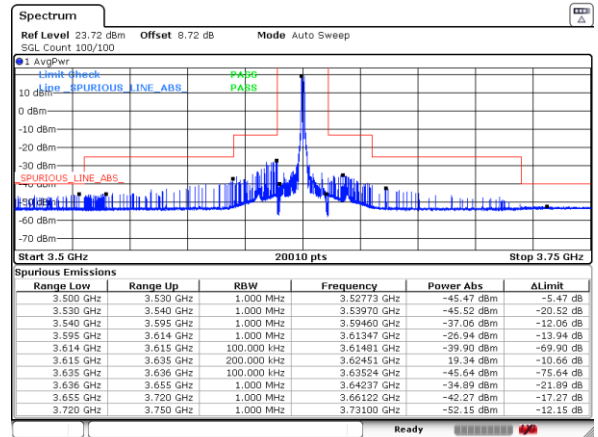
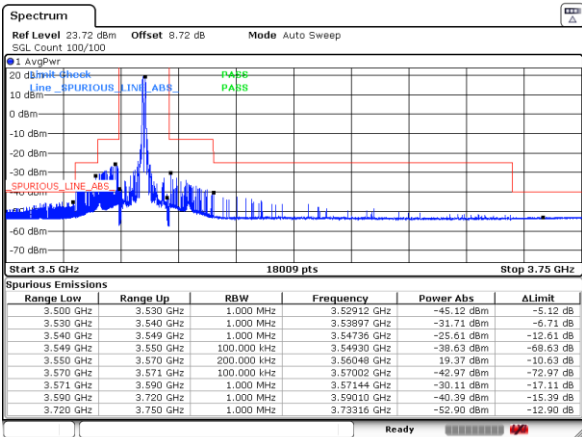
### Lowest Band Edge / 1RB0 and 1RB49

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



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

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

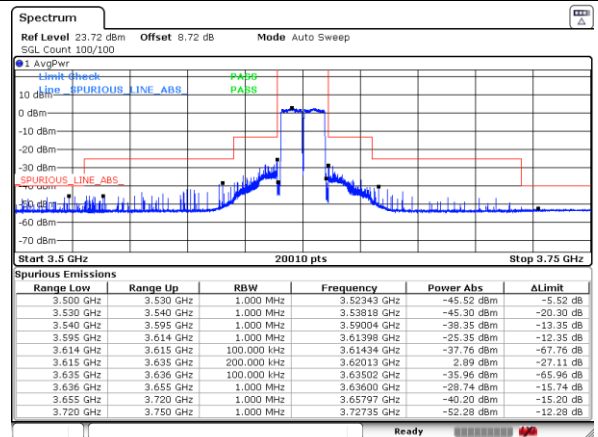
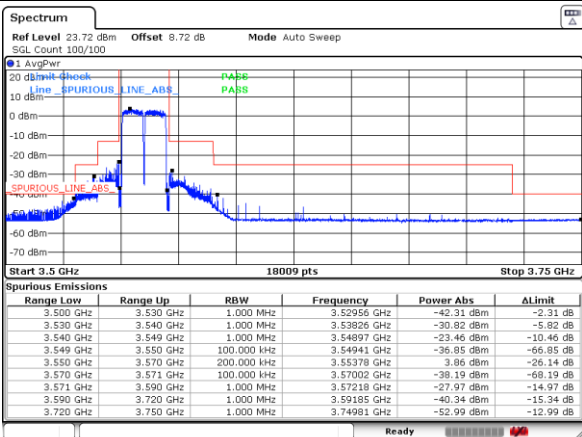


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### Lowest Band Edge / Full RB

### Middle Band Edge / Full RB



Date: 8 OCT.2022 09:29:29

Date: 8 OCT.2022 08:40:53