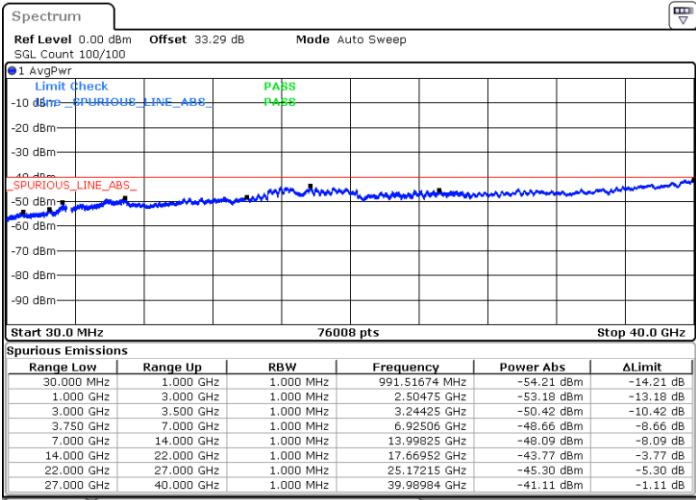




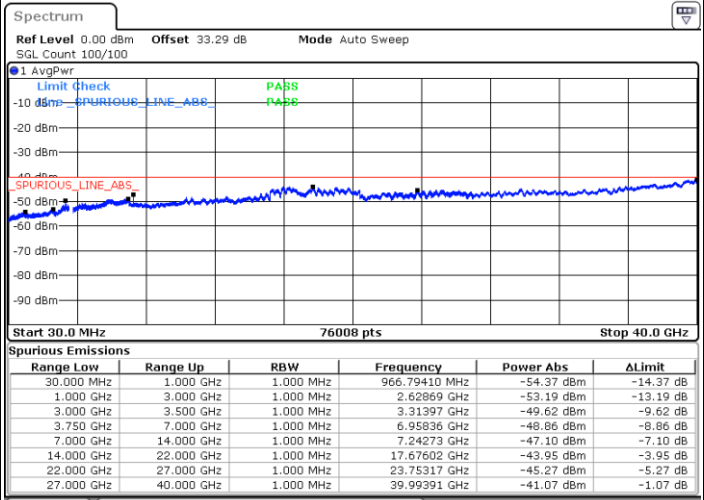
FR1 n48 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB

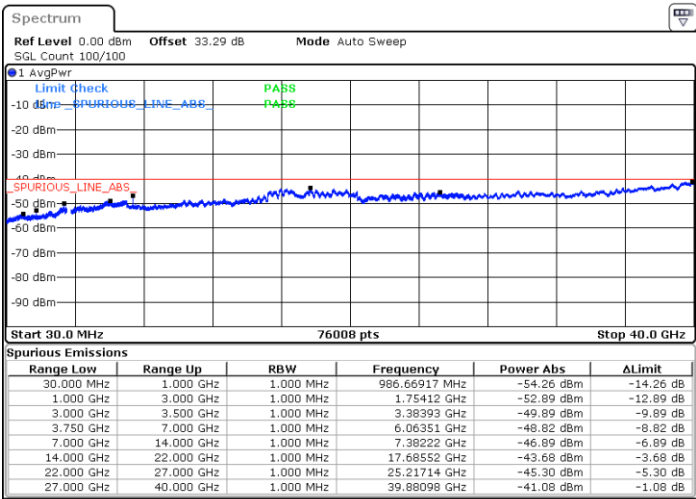


Date: 9.MAY.2023 07:39:43



Date: 9.MAY.2023 07:38:24

Highest Channel / 1RB



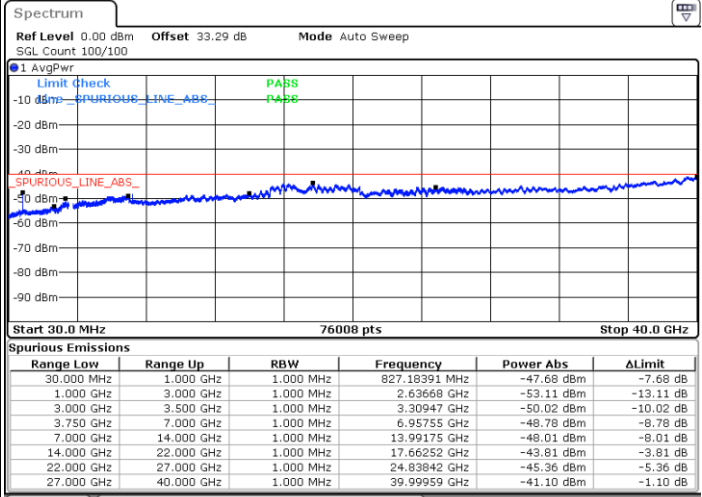
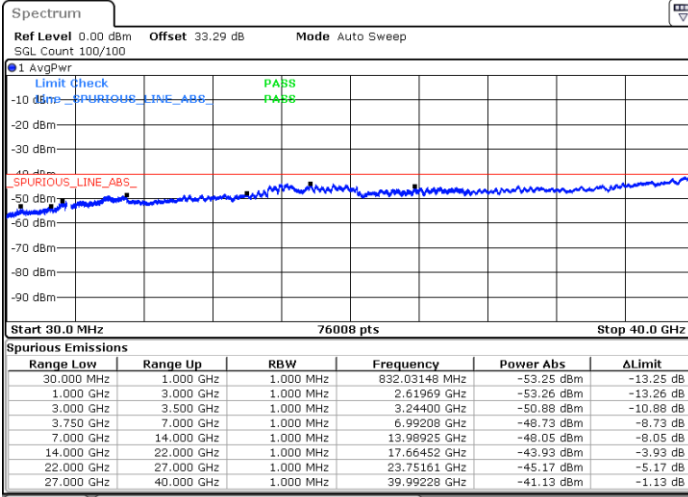
Date: 9.MAY.2023 07:44:27



FR1 n48 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

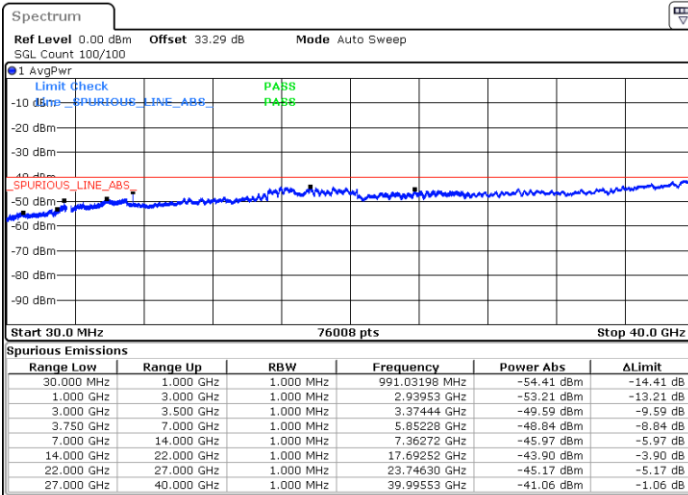
Middle Channel / 1RB



Date: 9.MAY.2023 07:22:35

Date: 9.MAY.2023 07:24:16

Highest Channel / 1RB



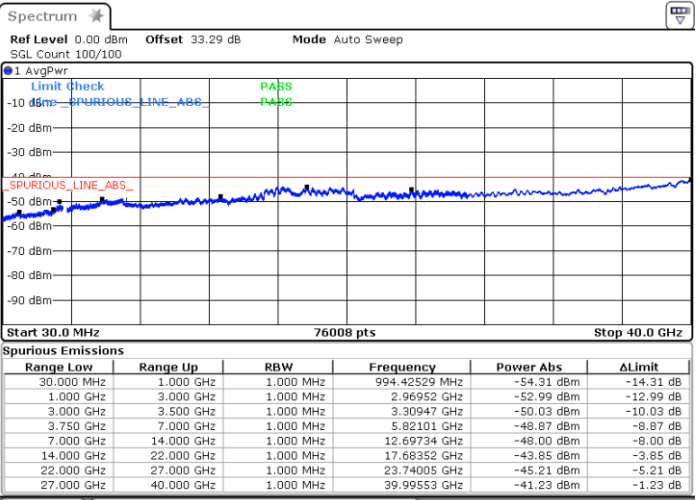
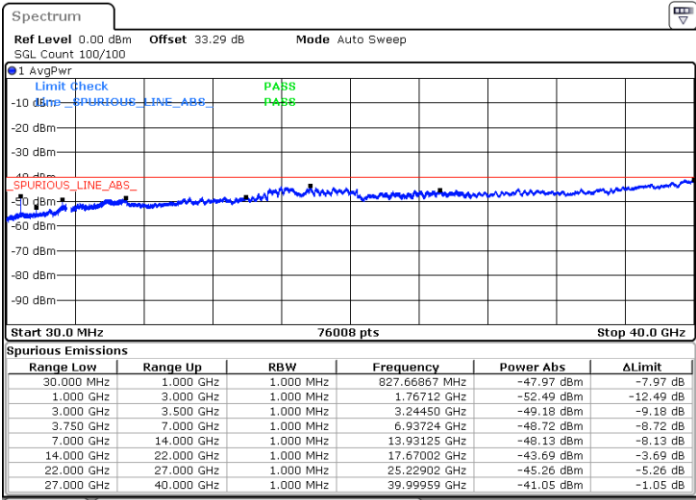
Date: 9.MAY.2023 07:30:53



FR1 n48 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

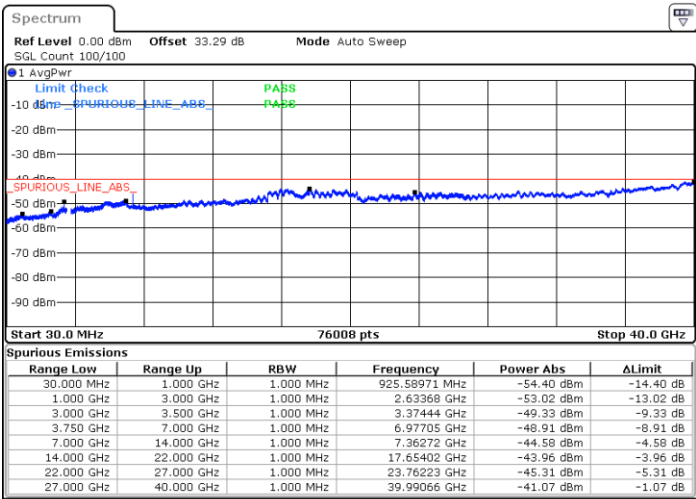
Middle Channel / 1RB



Date: 9.MAY.2023 07:21:19

Date: 9.MAY.2023 07:28:07

Highest Channel / 1RB



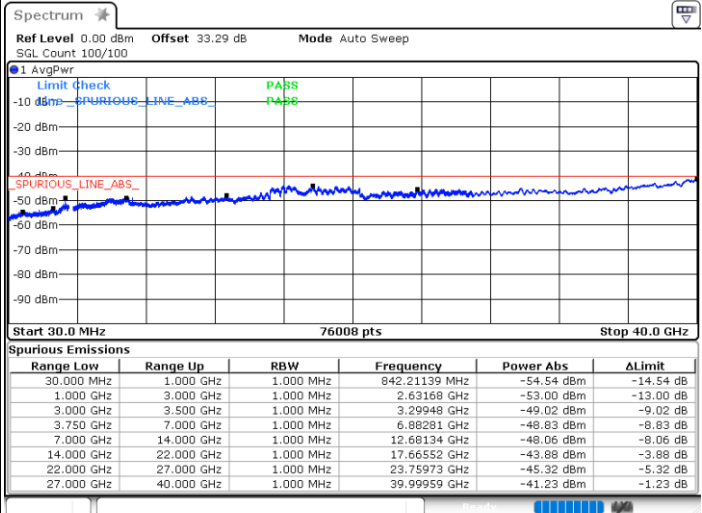
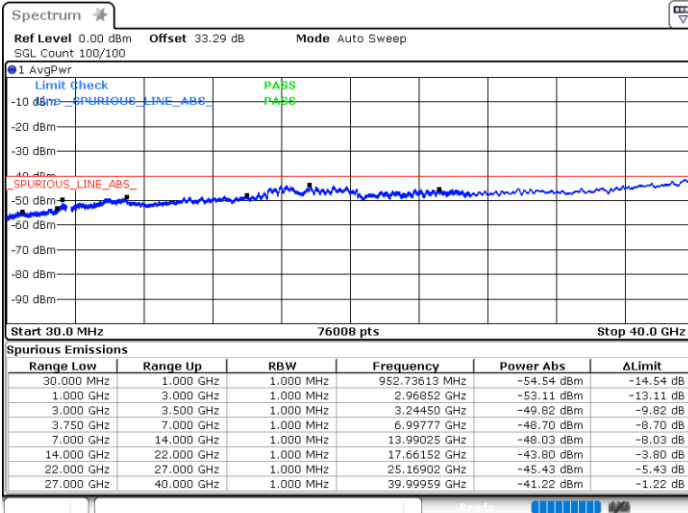
Date: 9.MAY.2023 07:29:28



FR1 n48 / 40MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB

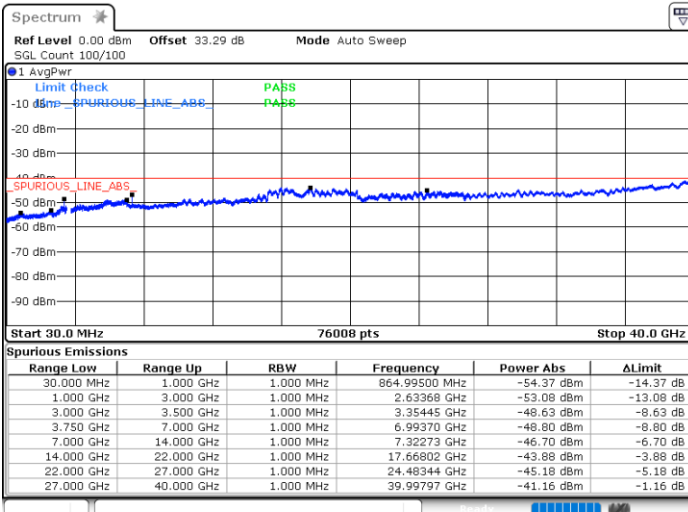
Middle Channel / 1RB



Date: 9.MAY.2023 07:15:09

Date: 9.MAY.2023 07:12:51

Highest Channel / 1RB



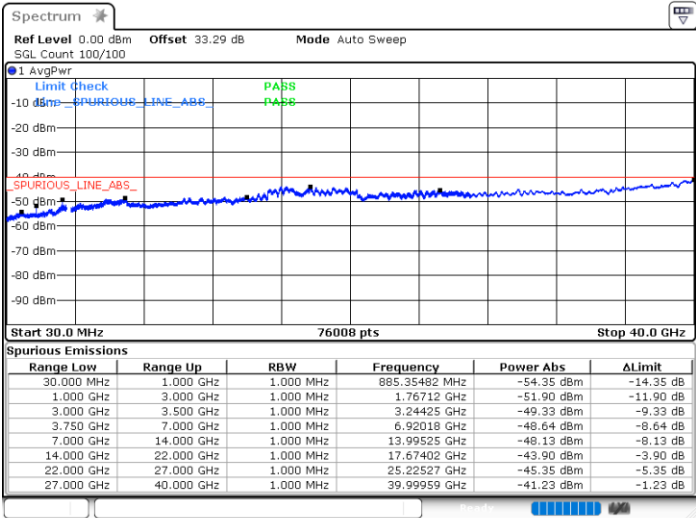
Date: 9.MAY.2023 07:04:06



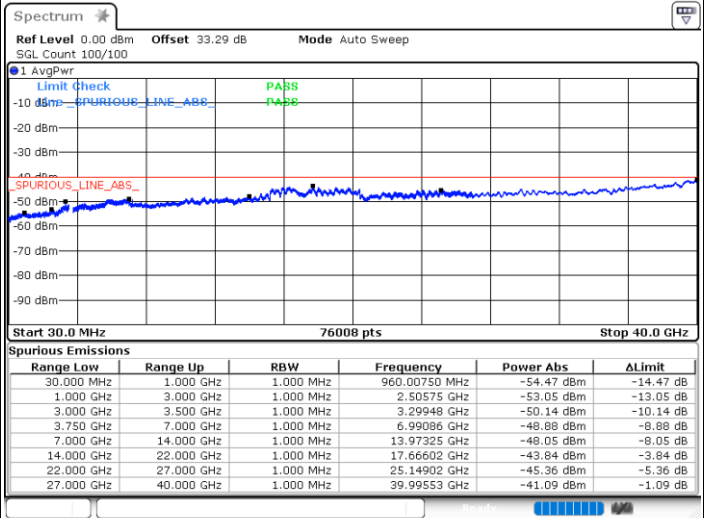
FR1 n48 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB

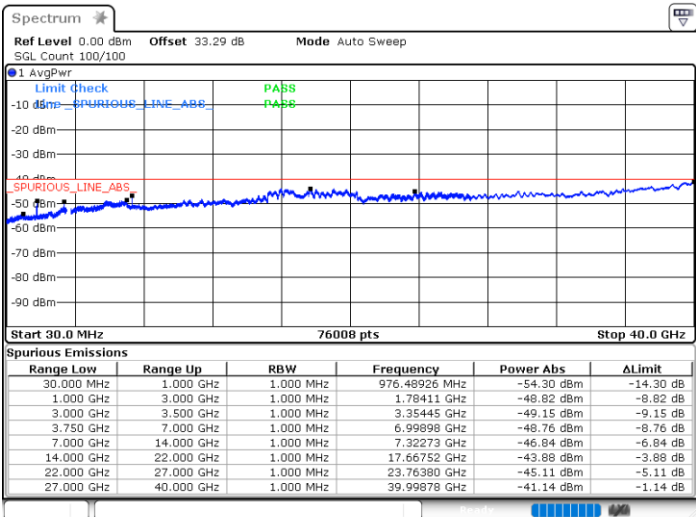


Date: 9.MAY.2023 07:18:28



Date: 9.MAY.2023 07:11:05

Highest Channel / 1RB



Date: 9.MAY.2023 07:09:16



**Frequency Stability**

Test Conditions		FR1 n48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0120	PASS
40	Normal Voltage	0.0105	
30	Normal Voltage	0.0111	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0087	
0	Normal Voltage	0.0040	
-10	Normal Voltage	0.0107	
-20	Normal Voltage	0.0076	
-30	Normal Voltage	0.0097	
20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0059	
20	Minimum Voltage	0.0106	

**Note:**

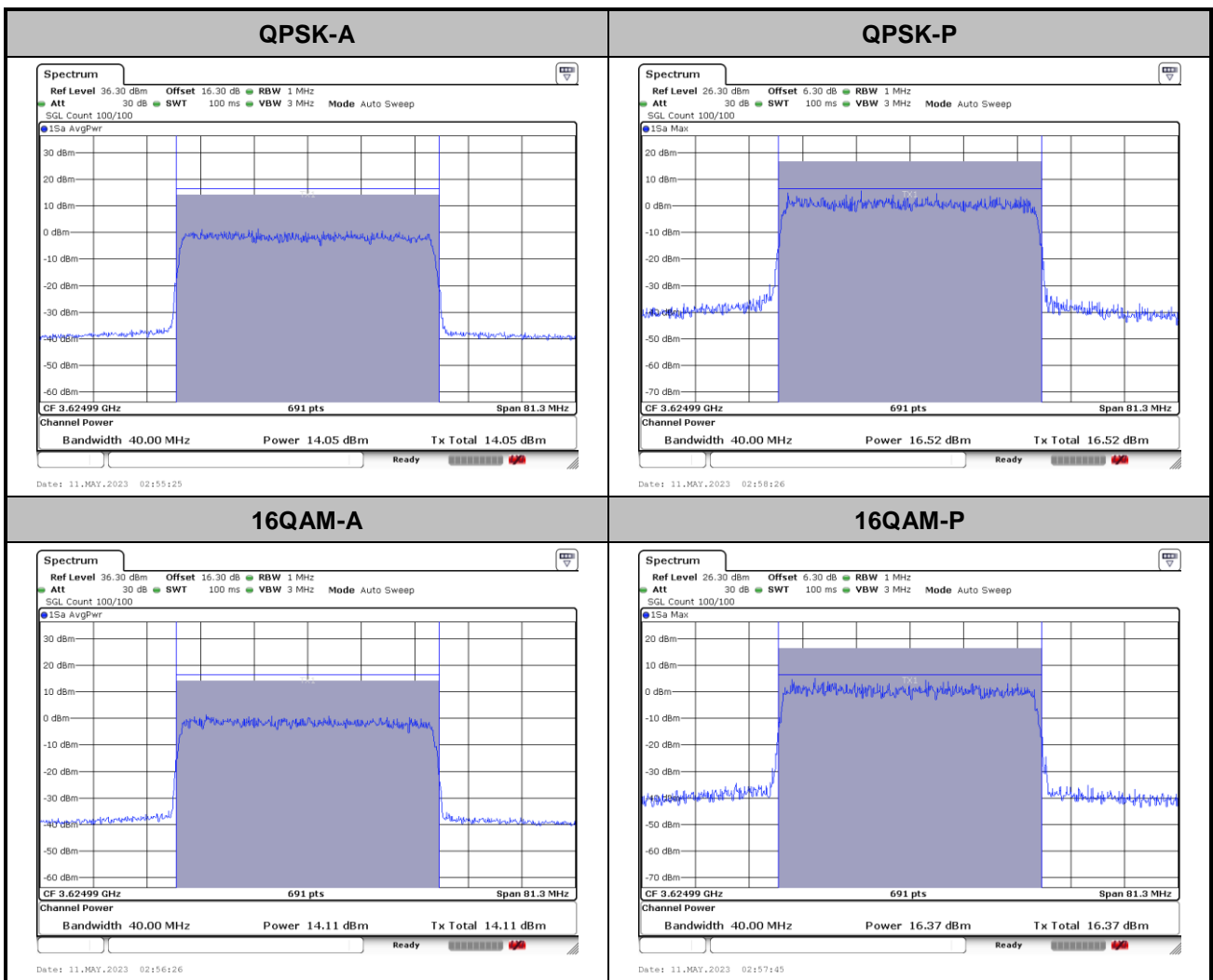
1. Normal Voltage =24V. ; Minimum Voltage =20 V. ; Maximum Voltage =28 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# FR1 n48 MIMO – ANT0

## Peak-to-Average Ratio

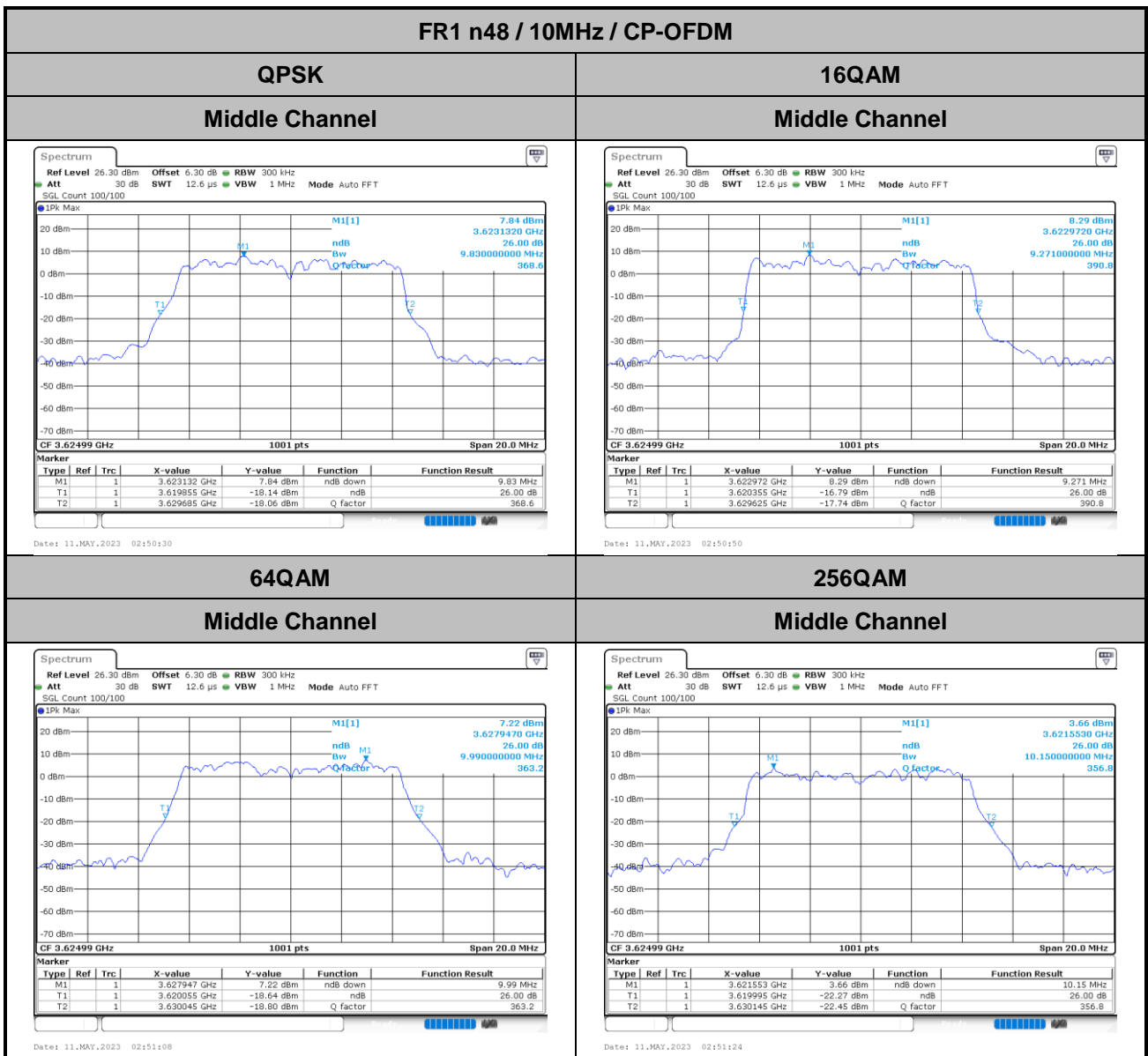
Mode	FR1 Part96 N48 /10MHz / CP OFDM		
Mod.	40M		Limit: 13dB
RB Size	QPSK	16QAM	Result
Middle CH	2.47	2.26	PASS





**26dB Bandwidth**

Mode	FR1 n48 : 26dB BW(10 MHz) / CP-OFDM			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	9.83	9.27	9.99	10.15
Mode	FR1 n48 : 26dB BW(20 MHz) / CP OFDM			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	18.94	19.46	19.02	19.22
Mode	FR1 n48 : 26dB BW(40 MHz) / CP OFDM			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	40.36	40.12	40.44	40.2







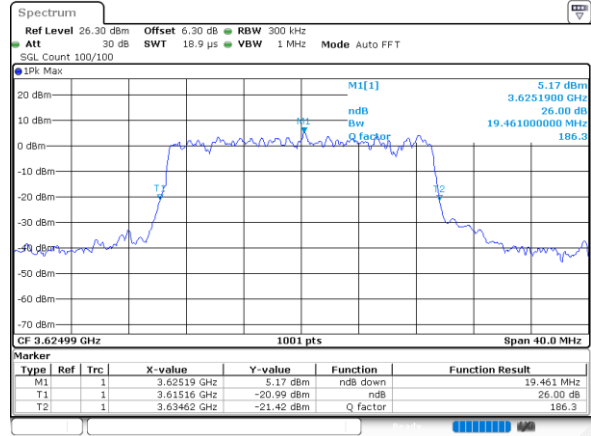
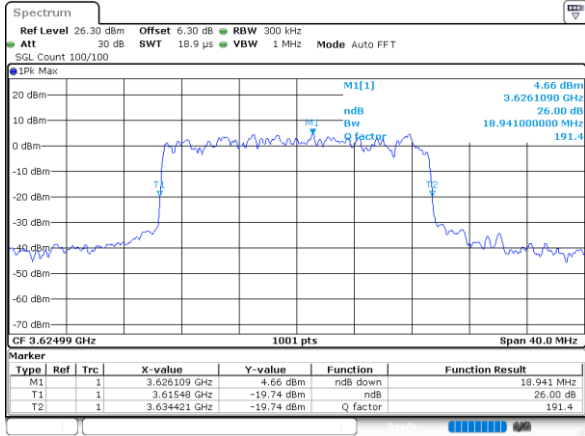
FR1 n48 / 20MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 11.MAY.2023 02:48:40

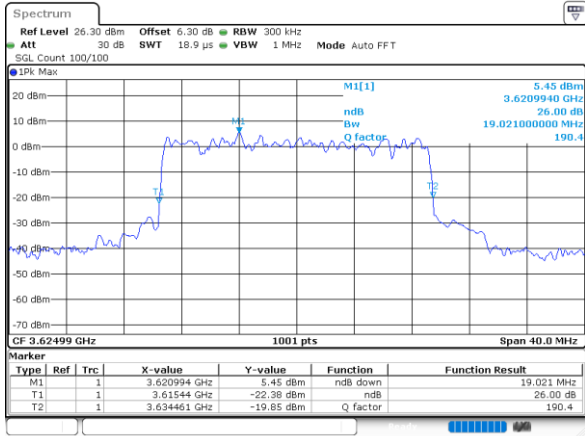
Date: 11.MAY.2023 02:48:57

64QAM

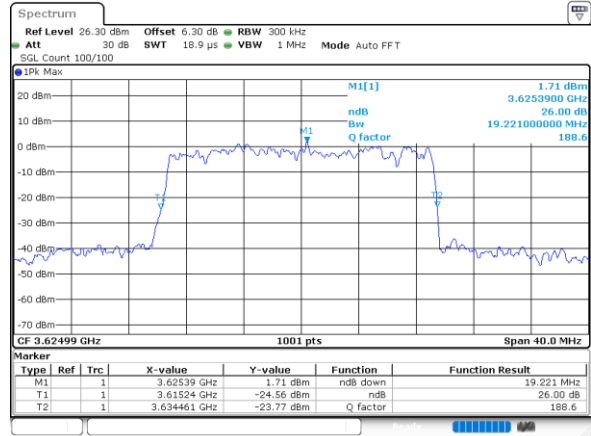
256QAM

Middle Channel

Middle Channel



Date: 11.MAY.2023 02:49:13



Date: 11.MAY.2023 02:49:27



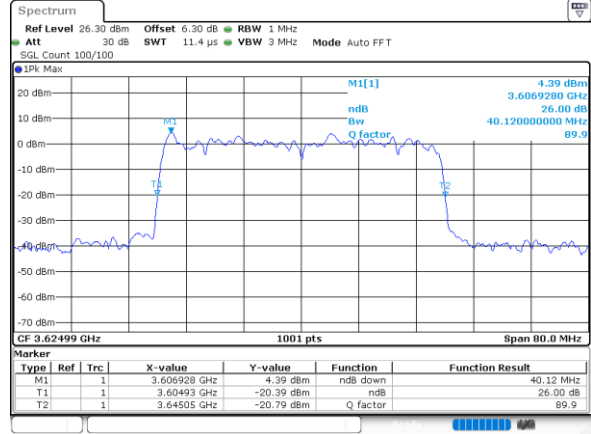
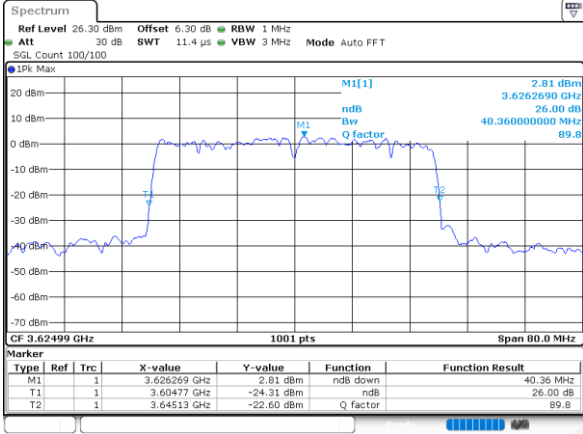
FR1 n48 / 40MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 11.MAY.2023 02:46:39

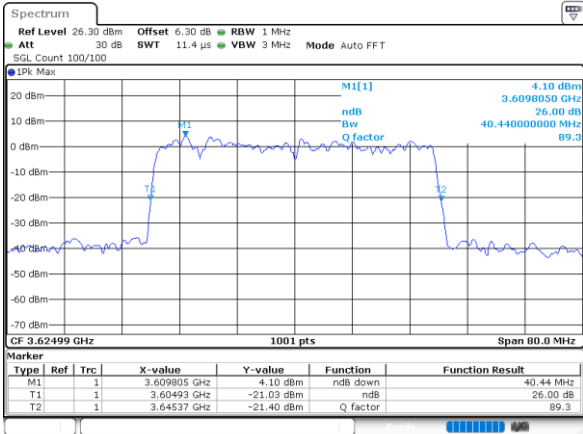
Date: 11.MAY.2023 02:46:56

64QAM

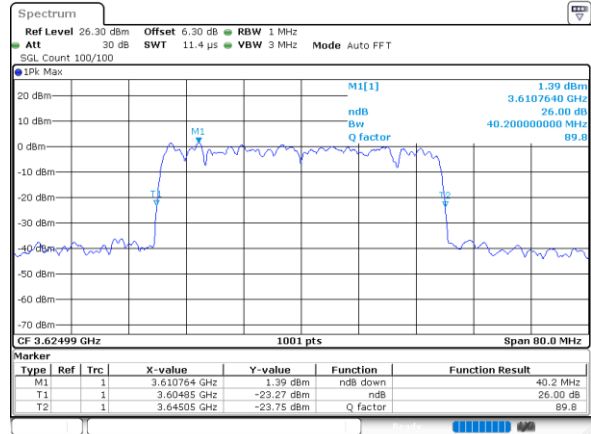
256QAM

Middle Channel

Middle Channel



Date: 11.MAY.2023 02:47:13

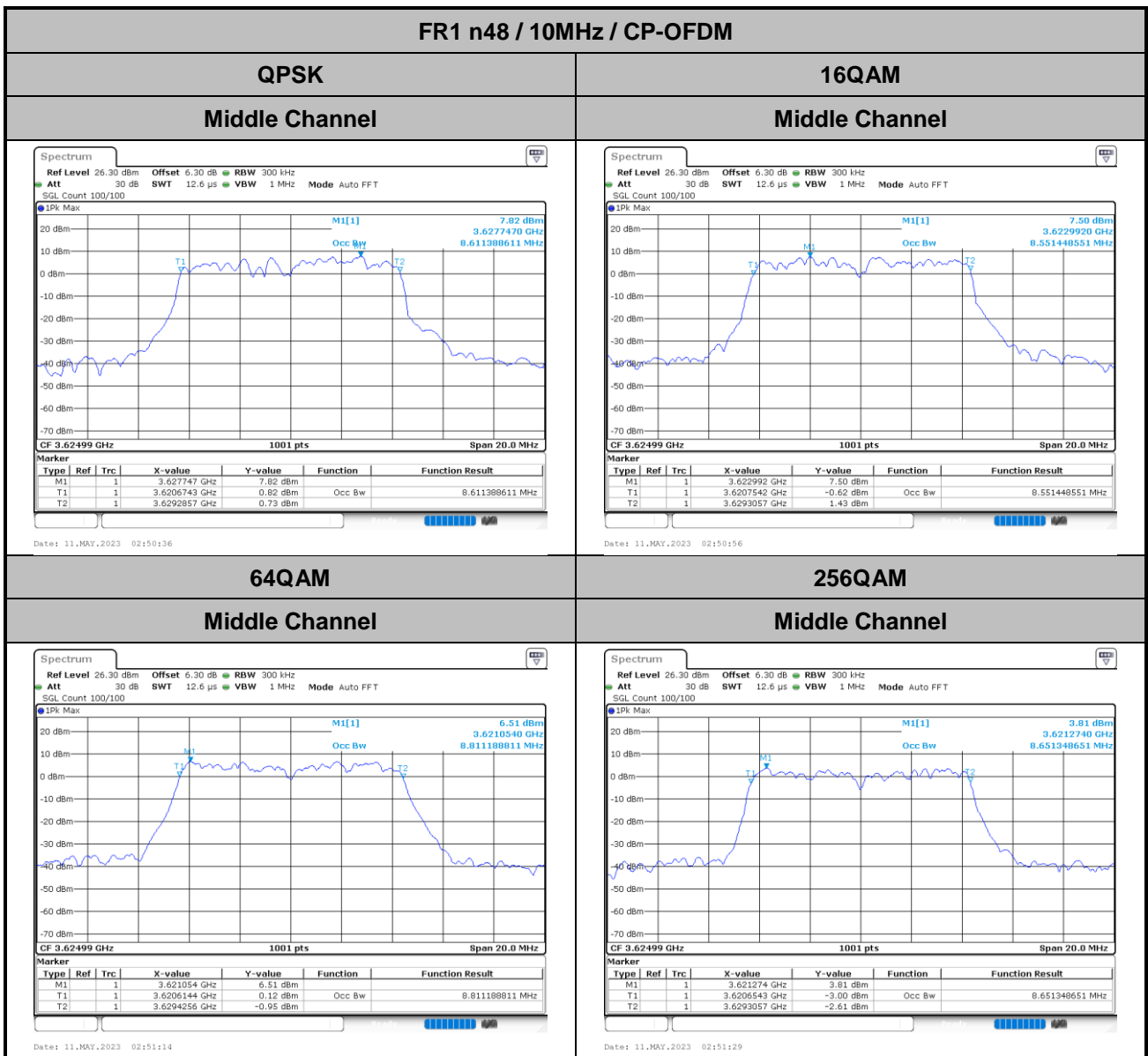


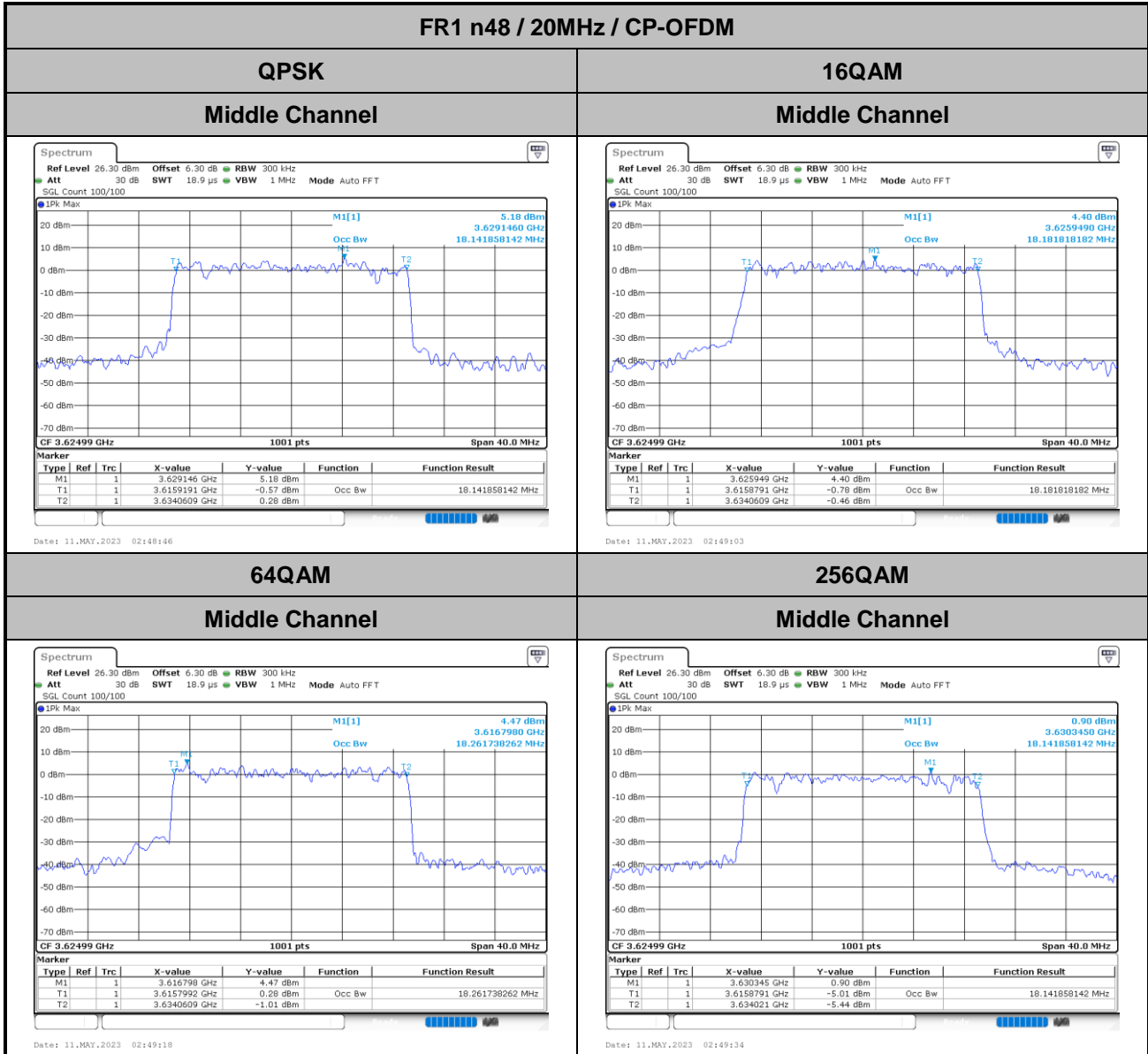
Date: 11.MAY.2023 02:47:29



# Occupied Bandwidth

Mode	FR1 n48 : OB BW(10 MHz) / CP-OFDM			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	8.61	8.55	8.81	8.65
Mode	FR1 n48 : OB BW(20 MHz) / CP-OFDM			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	18.14	18.18	18.26	18.14
Mode	FR1 n48 : OB BW(40 MHz) / CP-OFDM			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	37.96	37.88	37.88	37.80







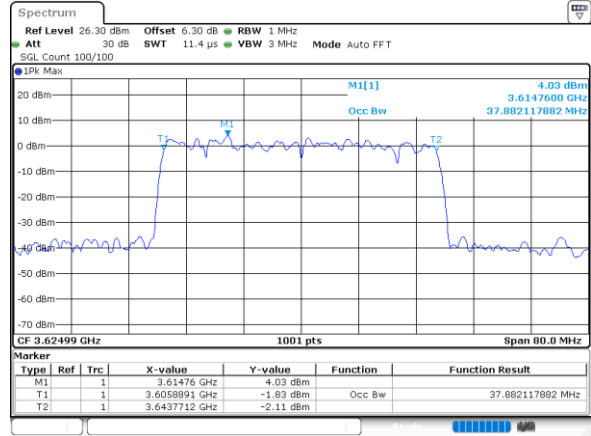
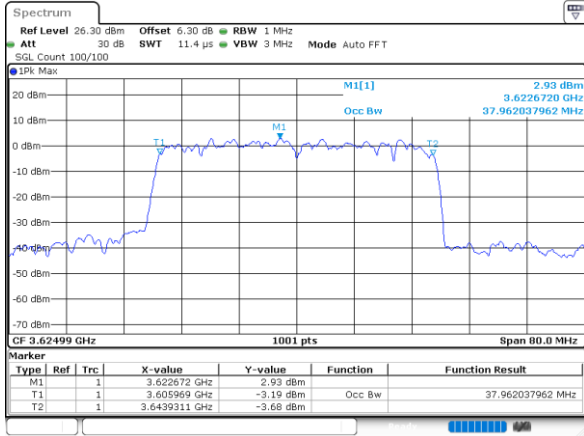
FR1 n48 / 40MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 11.MAY.2023 02:46:45

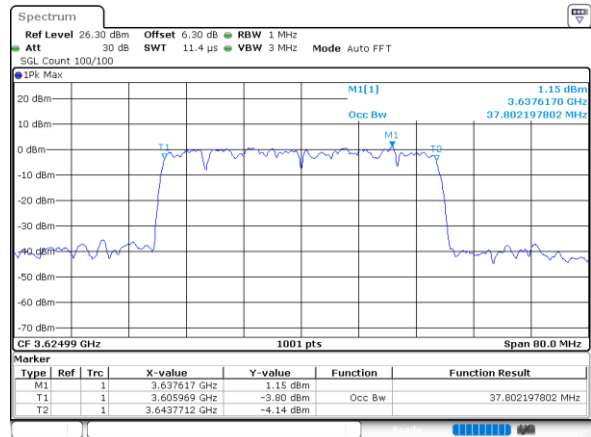
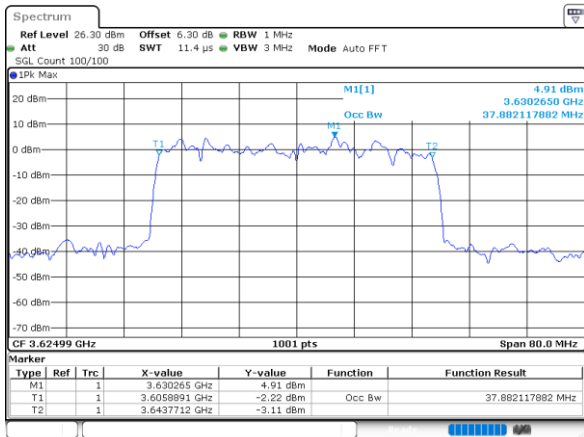
Date: 11.MAY.2023 02:47:02

64QAM

256QAM

Middle Channel

Middle Channel



Date: 11.MAY.2023 02:47:19

Date: 11.MAY.2023 02:47:35



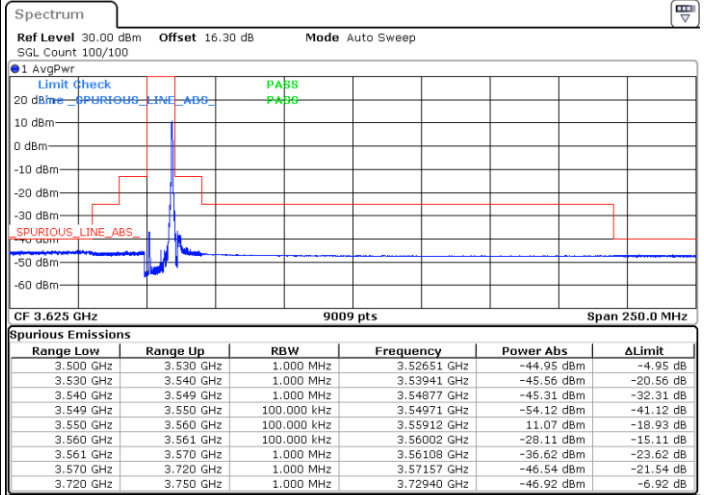
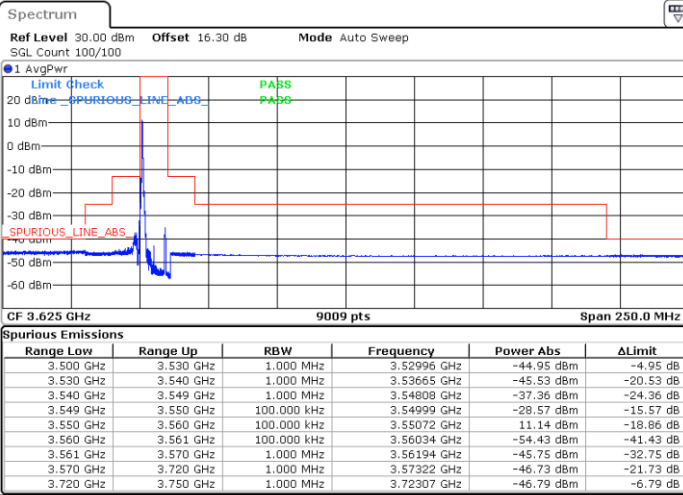
# Conducted Band Edge

## FR1 Part 96 n48 / 10MHz

### QPSK

#### Lowest Channel / 1RB0

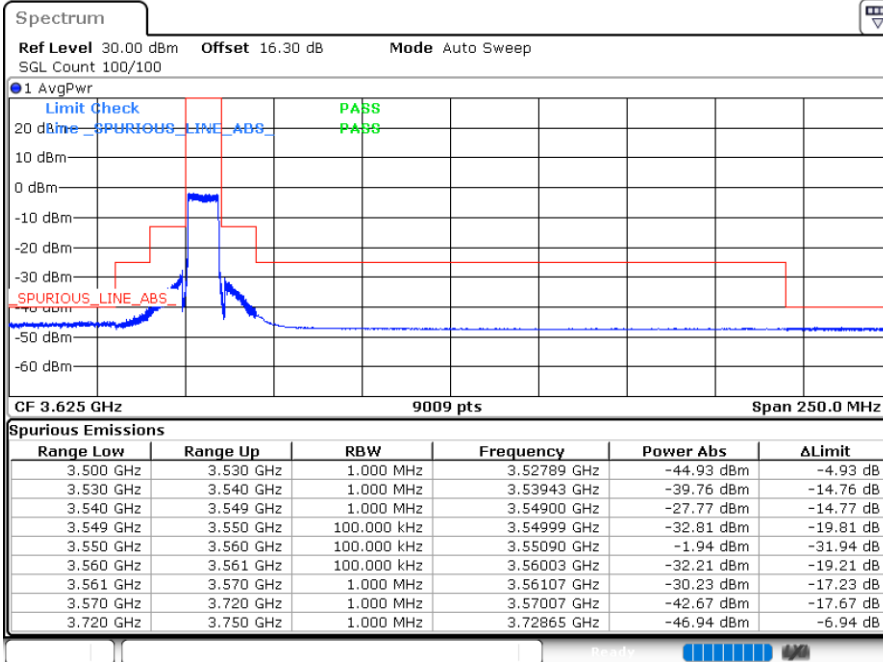
#### Lowest Channel / 1RBmax



Date: 6.MAY.2023 23:49:37

Date: 6.MAY.2023 23:52:32

#### Lowest Channel / FullIRB



Date: 6.MAY.2023 23:53:16

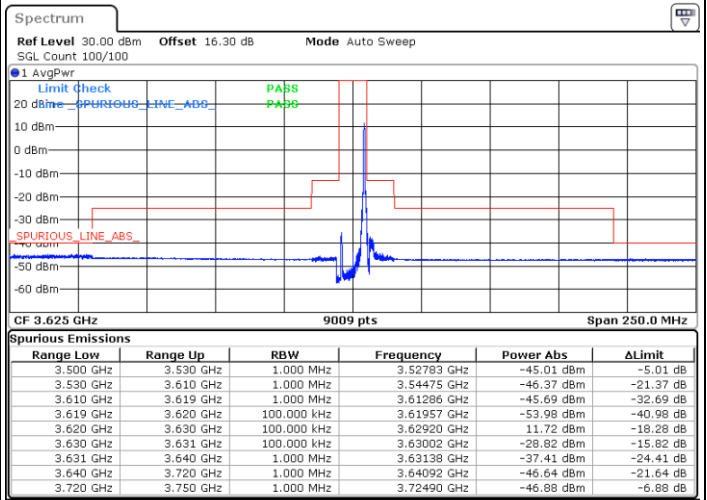
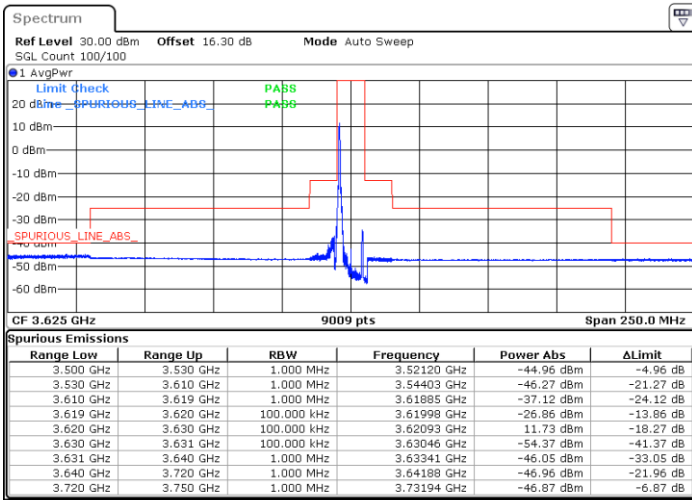


FR1 Part 96 n48 / 10MHz

QPSK

Middle Channel / 1RB0

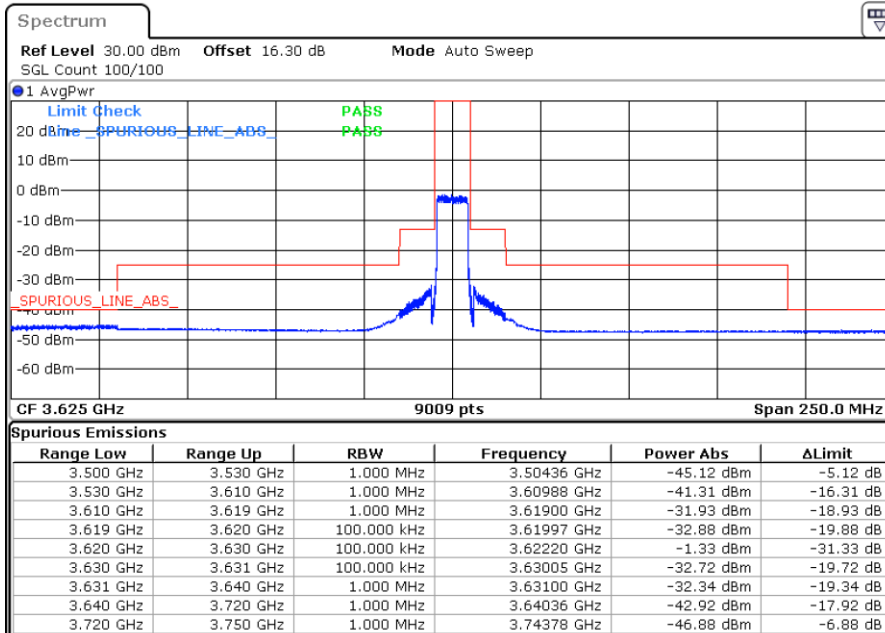
Middle Channel / 1RBmax



Date: 6.MAY.2023 23:57:05

Date: 6.MAY.2023 23:55:37

Middle Channel / FullIRB



Date: 6.MAY.2023 23:55:02

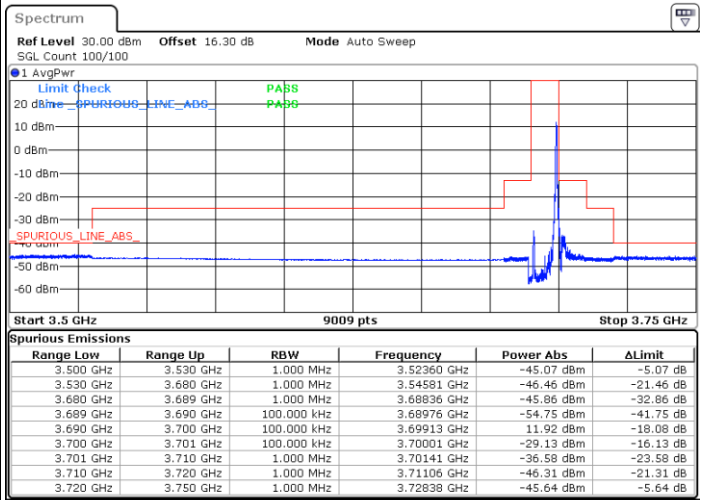
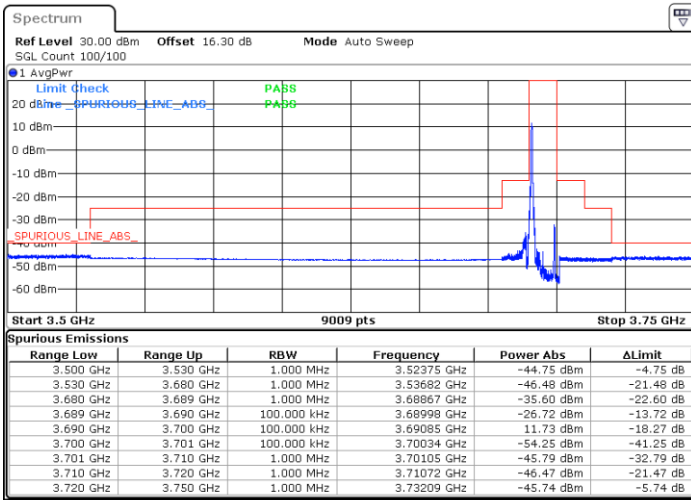


FR1 Part 96 n48 / 10MHz

QPSK

Highest Channel / 1RB0

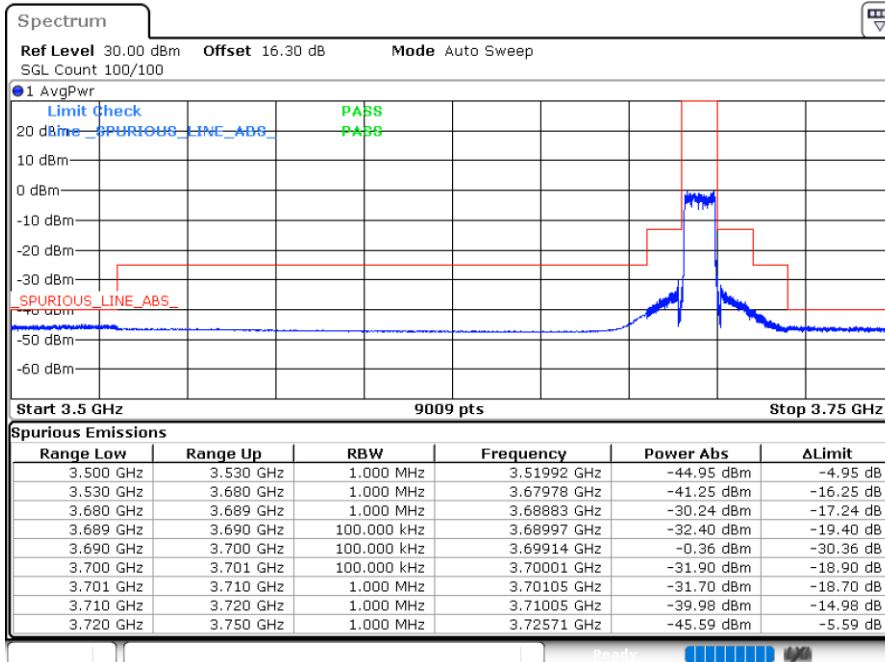
Highest Channel / 1RBmax



Date: 7.MAY.2023 00:50:06

Date: 7.MAY.2023 00:51:26

Highest Channel / FullRB



Date: 7.MAY.2023 00:51:56



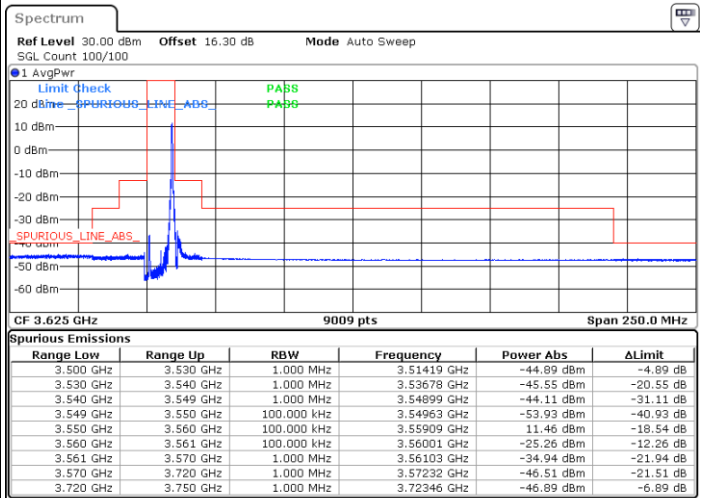
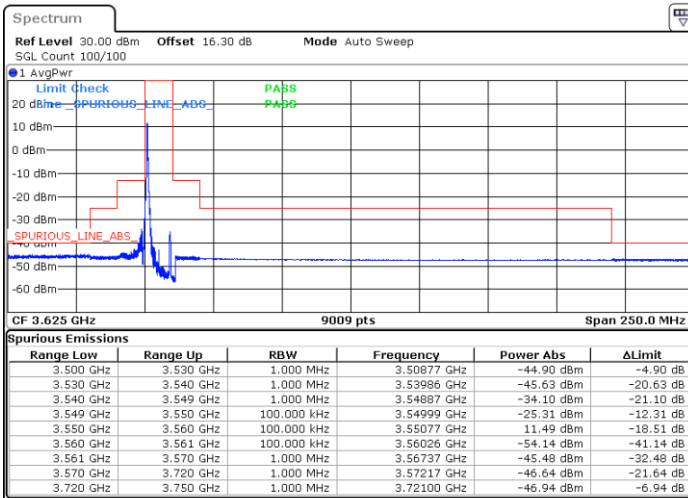


FR1 Part 96 n48 / 10MHz

16QAM

Lowest Channel / 1RB0

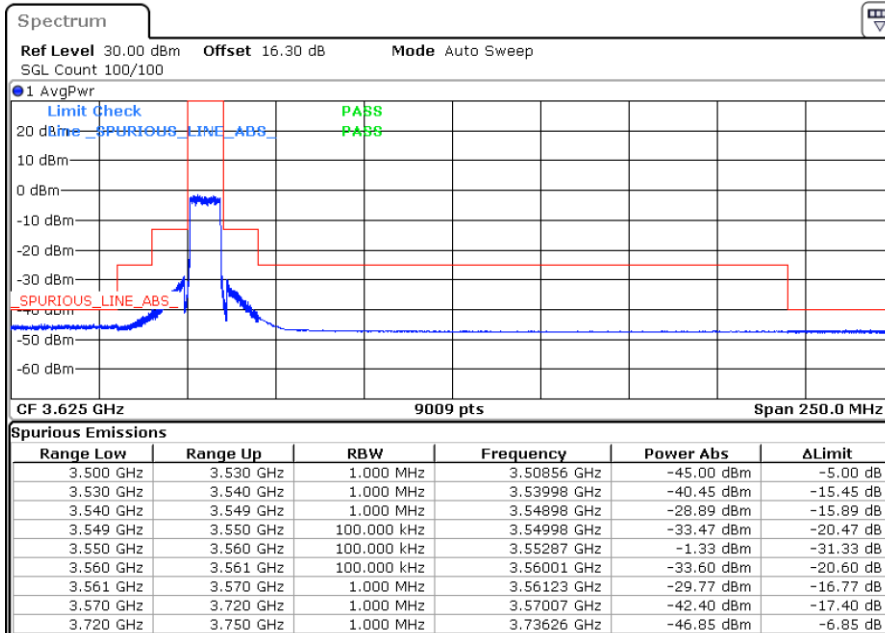
Lowest Channel / 1RBmax



Date: 6.MAY.2023 23:51:14

Date: 6.MAY.2023 23:51:52

Lowest Channel / FullIRB



Date: 6.MAY.2023 23:53:52

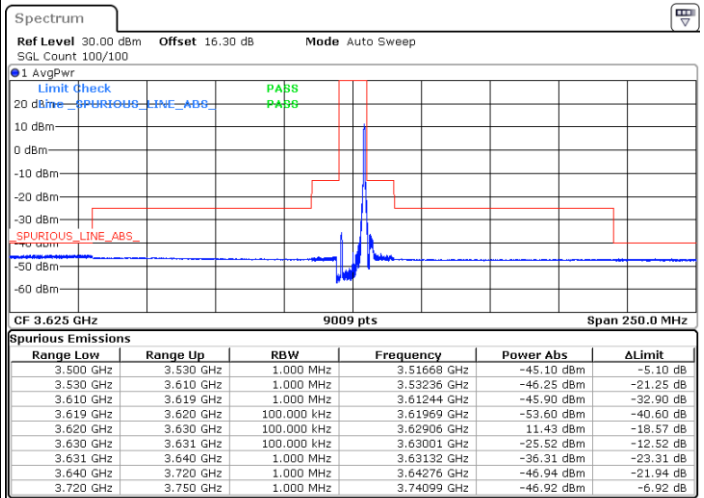
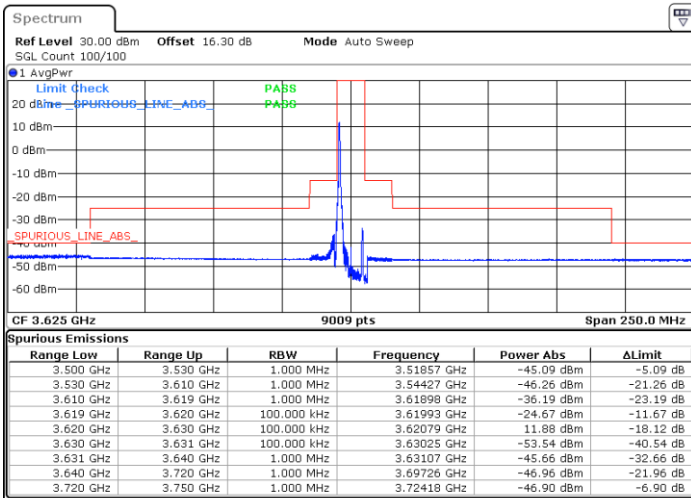


FR1 Part 96 n48 / 10MHz

16QAM

Middle Channel / 1RB0

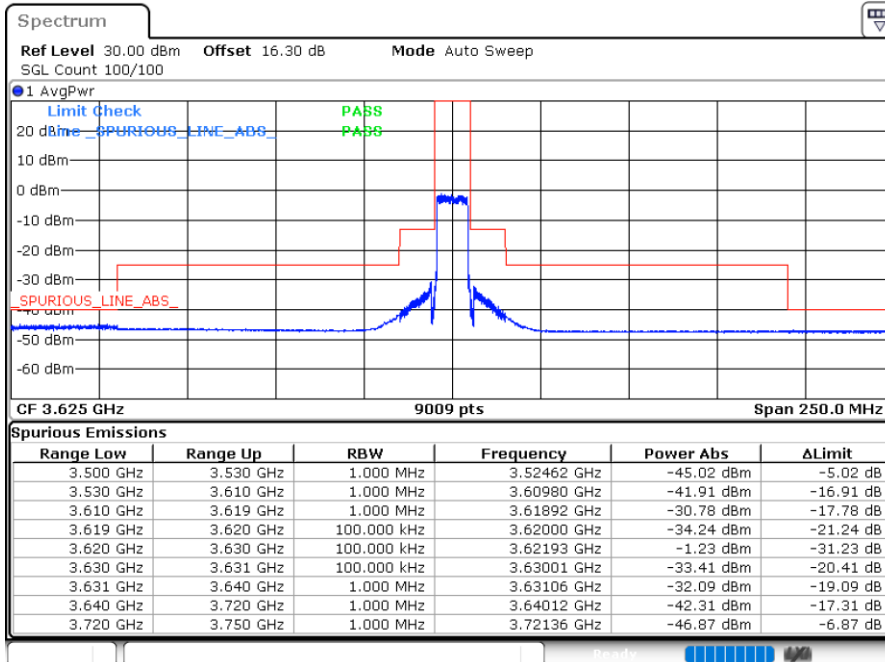
Middle Channel / 1RBmax



Date: 6.MAY.2023 23:56:36

Date: 6.MAY.2023 23:56:06

Middle Channel / FullIRB



Date: 6.MAY.2023 23:54:32

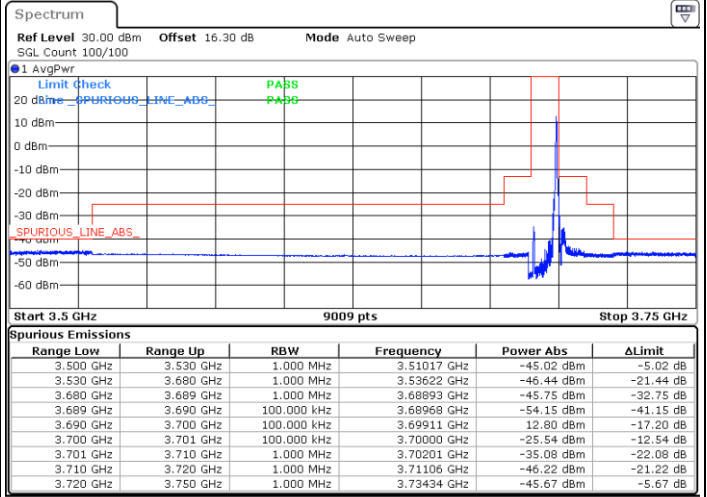
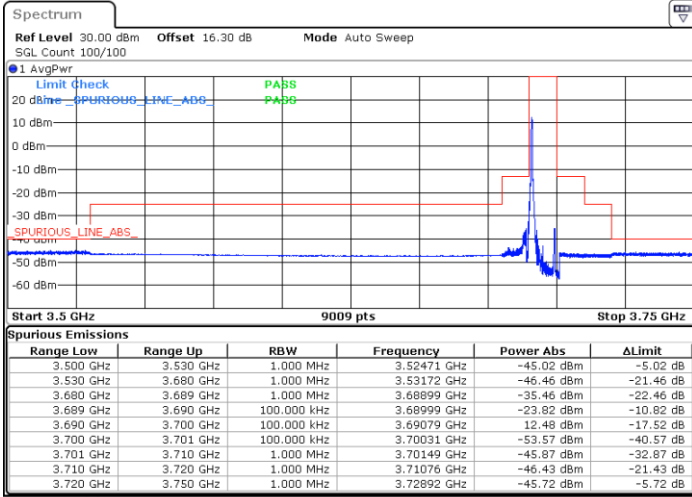


FR1 Part 96 n48 / 10MHz

16QAM

Highest Channel / 1RB0

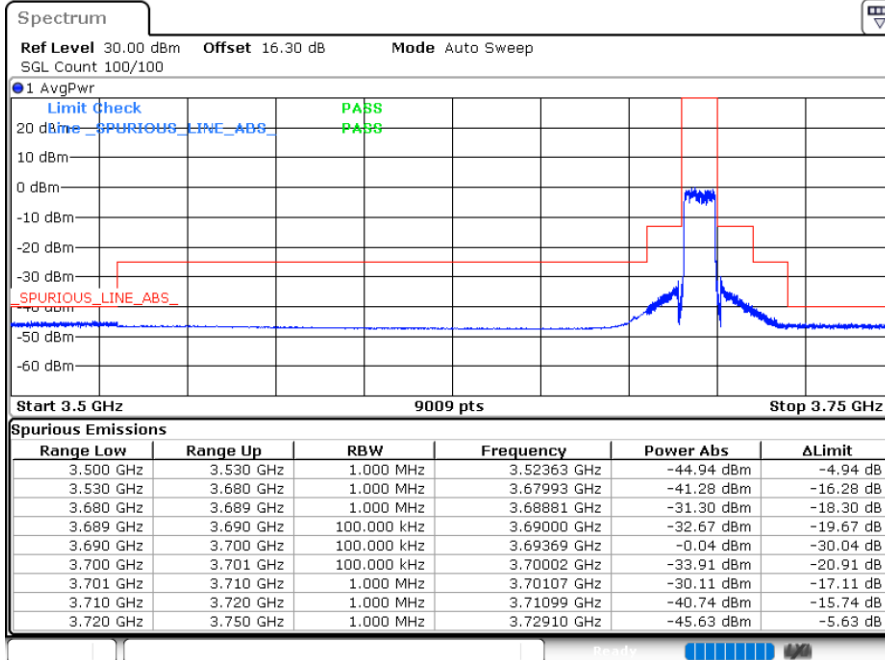
Highest Channel / 1RBmax



Date: 7.MAY.2023 00:50:33

Date: 7.MAY.2023 00:50:59

Highest Channel / FullRB



Date: 7.MAY.2023 00:52:22

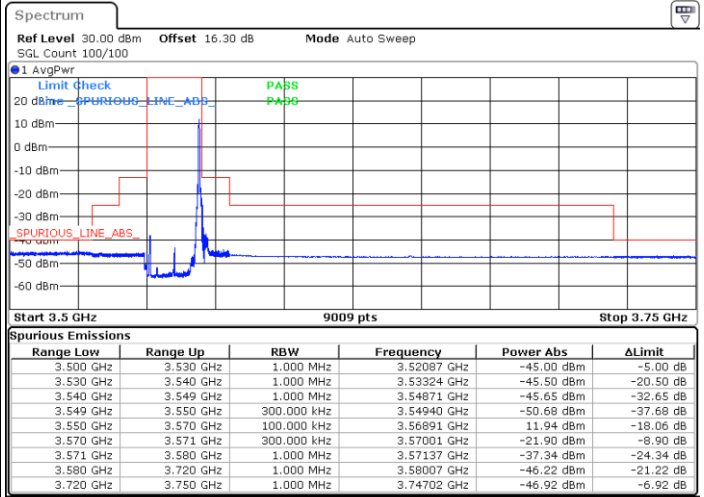
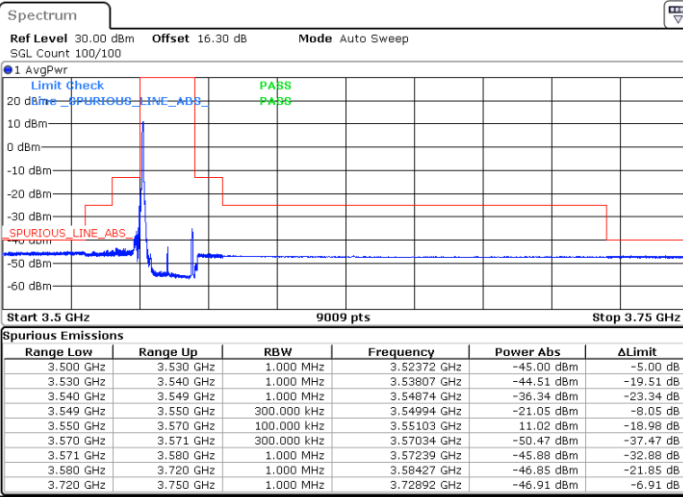


FR1 Part 96 n48 / 20MHz

QPSK

Lowest Channel / 1RB0

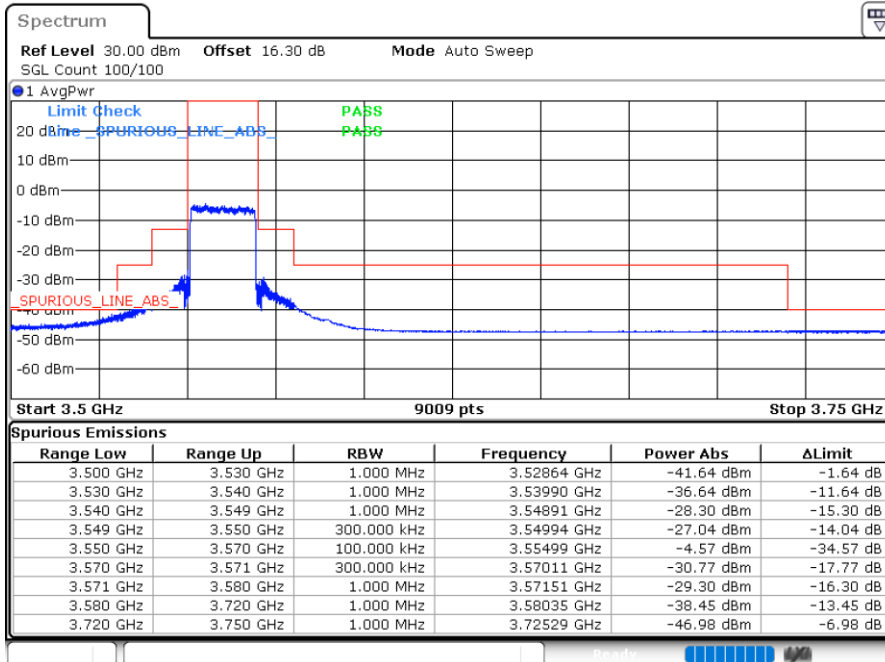
Lowest Channel / 1RBmax



Date: 7.MAY.2023 00:54:03

Date: 7.MAY.2023 00:55:25

Lowest Channel / FullIRB



Date: 7.MAY.2023 00:55:55

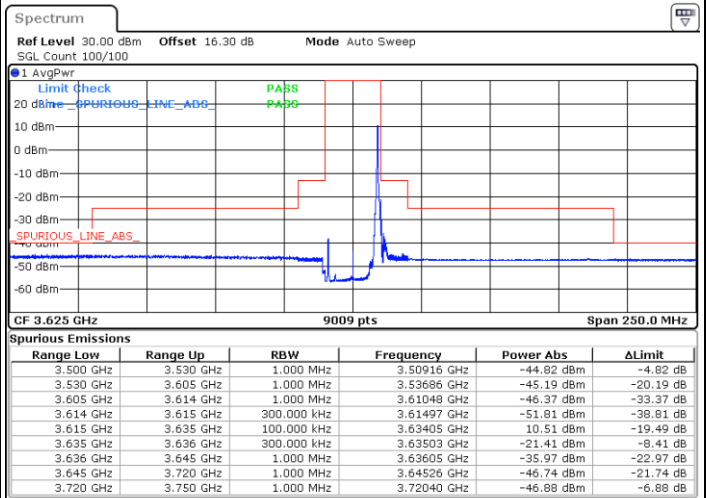
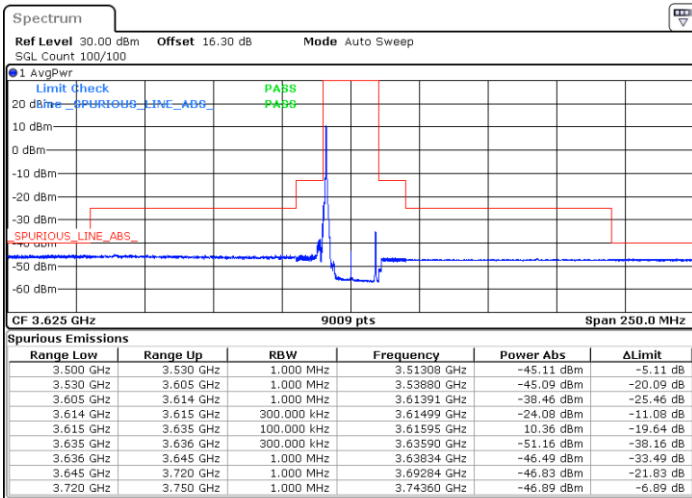


FR1 Part 96 n48 / 20MHz

QPSK

Middle Channel / 1RB0

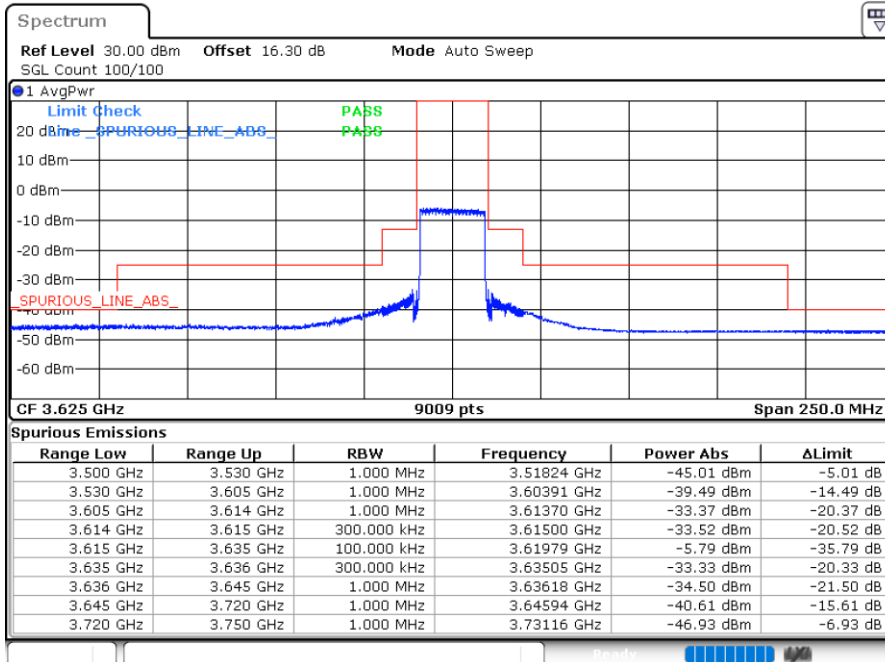
Middle Channel / 1RBmax



Date: 7.MAY.2023 01:09:59

Date: 7.MAY.2023 01:11:42

Middle Channel / FullIRB



Date: 7.MAY.2023 01:12:18

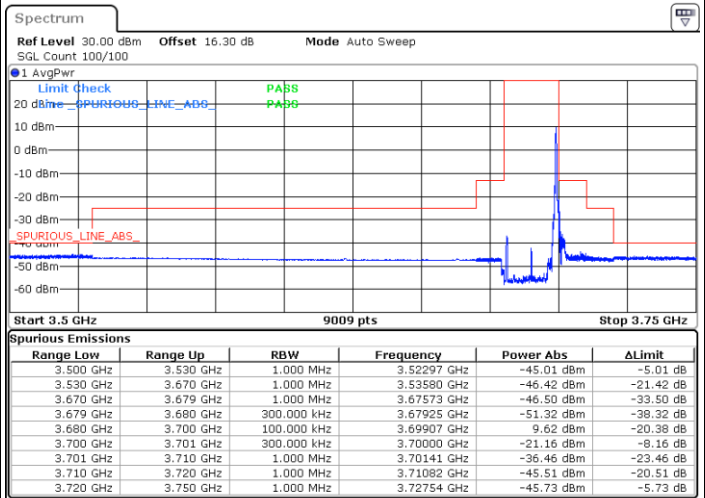
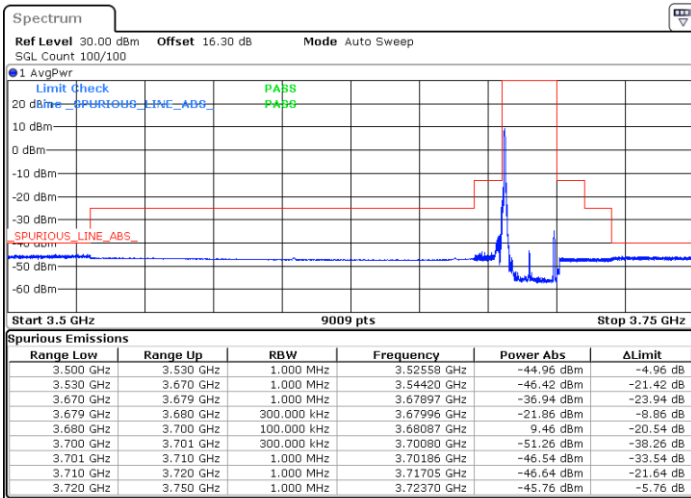


FR1 Part 96 n48 / 20MHz

QPSK

Highest Channel / 1RB0

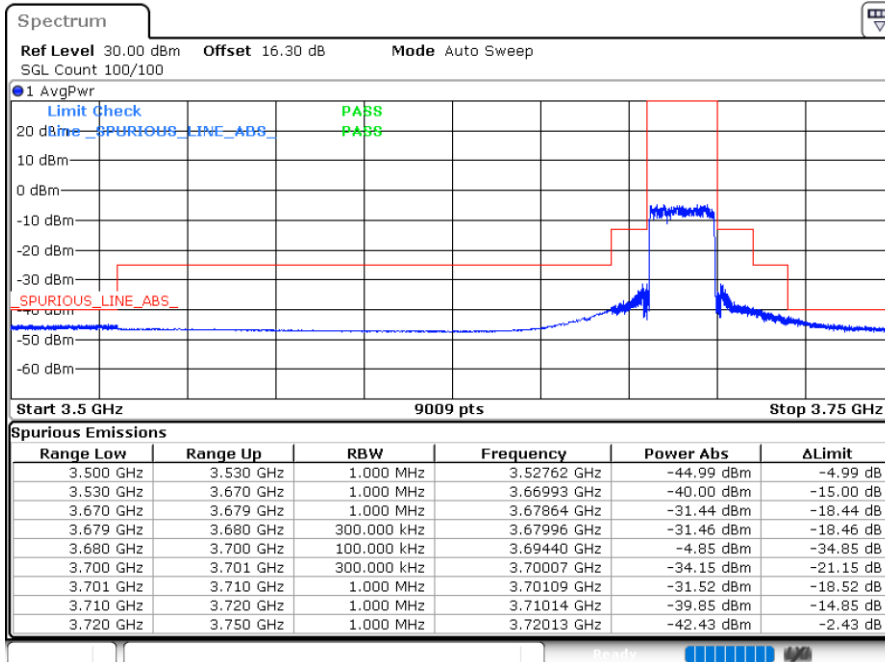
Highest Channel / 1RBmax



Date: 7.MAY.2023 01:15:37

Date: 7.MAY.2023 01:14:19

Highest Channel / FullRB



Date: 7.MAY.2023 01:13:50

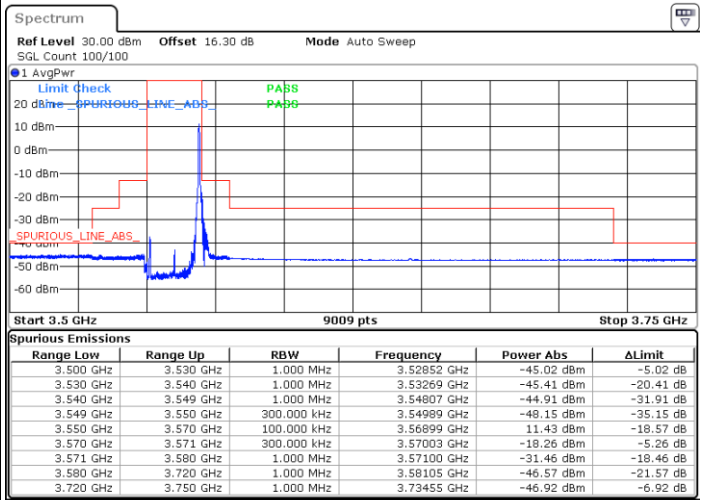
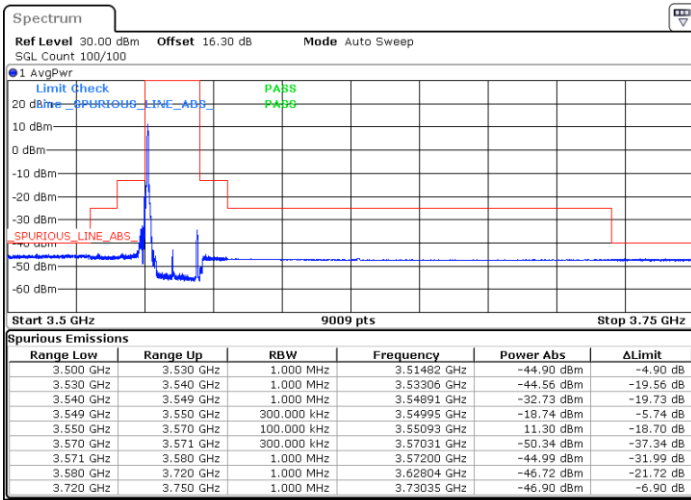


FR1 Part 96 n48 / 20MHz

16QAM

Lowest Channel / 1RB0

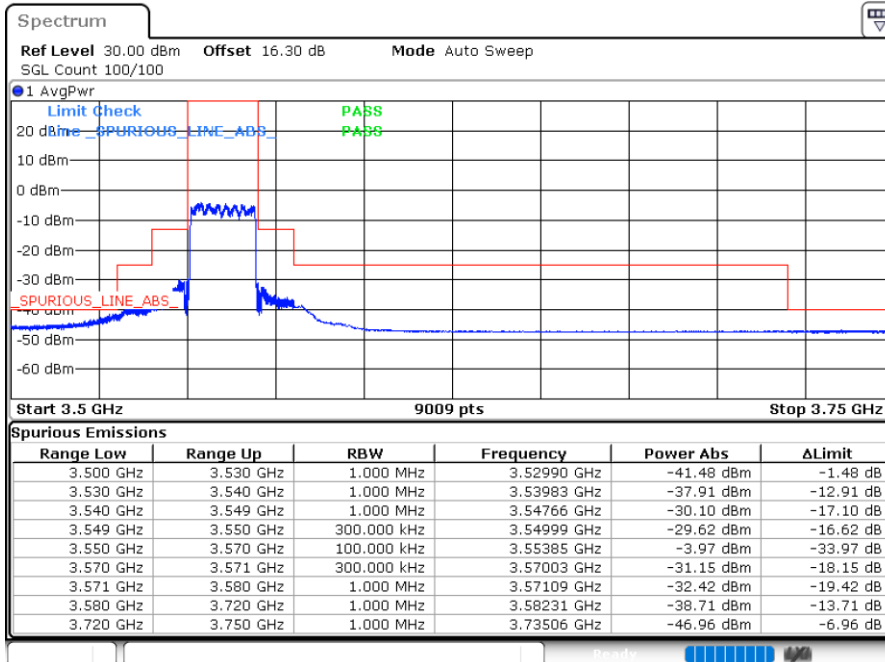
Lowest Channel / 1RBmax



Date: 7.MAY.2023 00:54:31

Date: 7.MAY.2023 00:54:59

Lowest Channel / FullIRB



Date: 7.MAY.2023 00:56:24

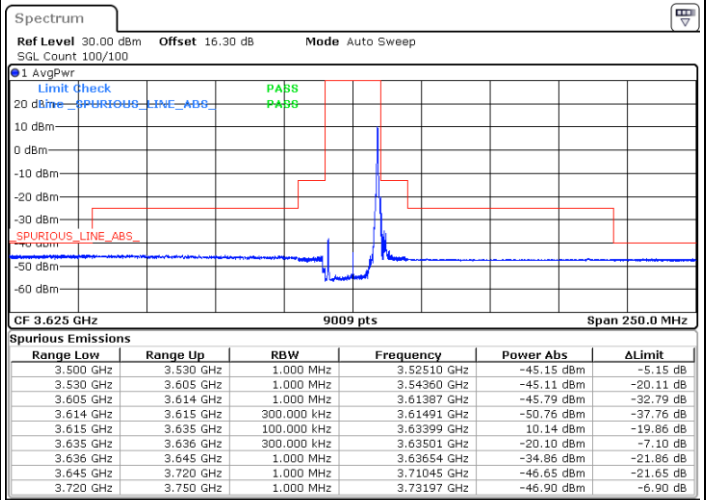
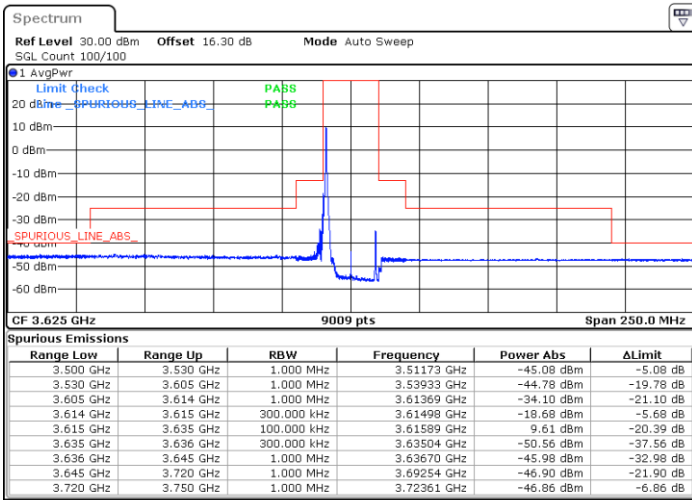


FR1 Part 96 n48 / 20MHz

16QAM

Middle Channel / 1RB0

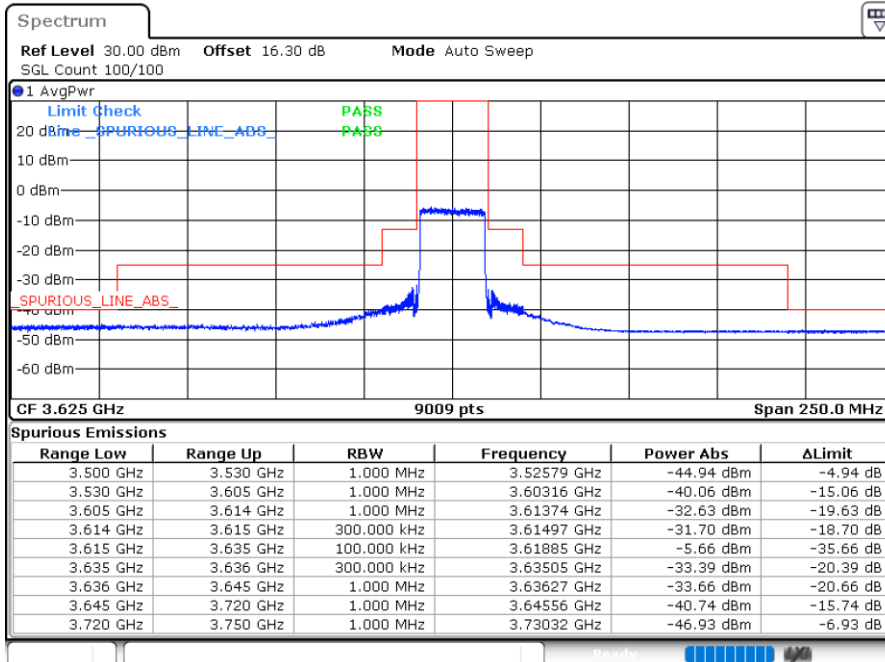
Middle Channel / 1RBmax



Date: 7.MAY.2023 01:10:34

Date: 7.MAY.2023 01:11:07

Middle Channel / FullIRB



Date: 7.MAY.2023 01:12:50



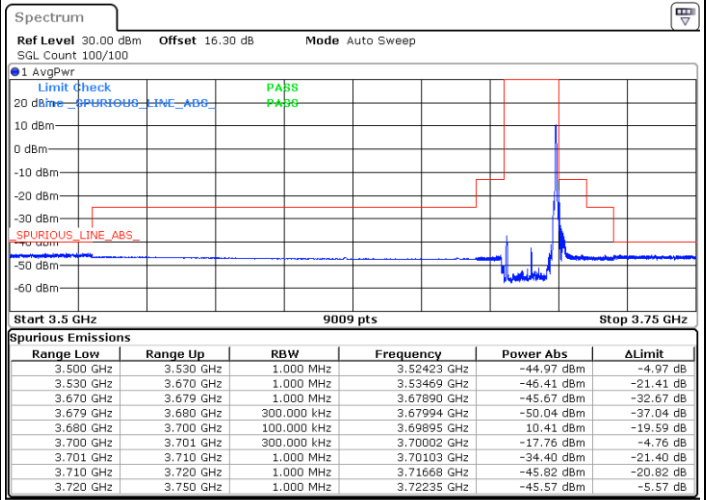
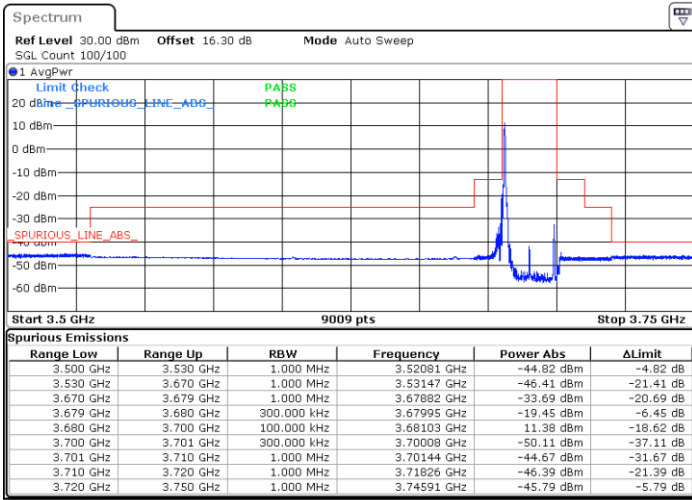


FR1 Part 96 n48 / 20MHz

16QAM

Highest Channel / 1RB0

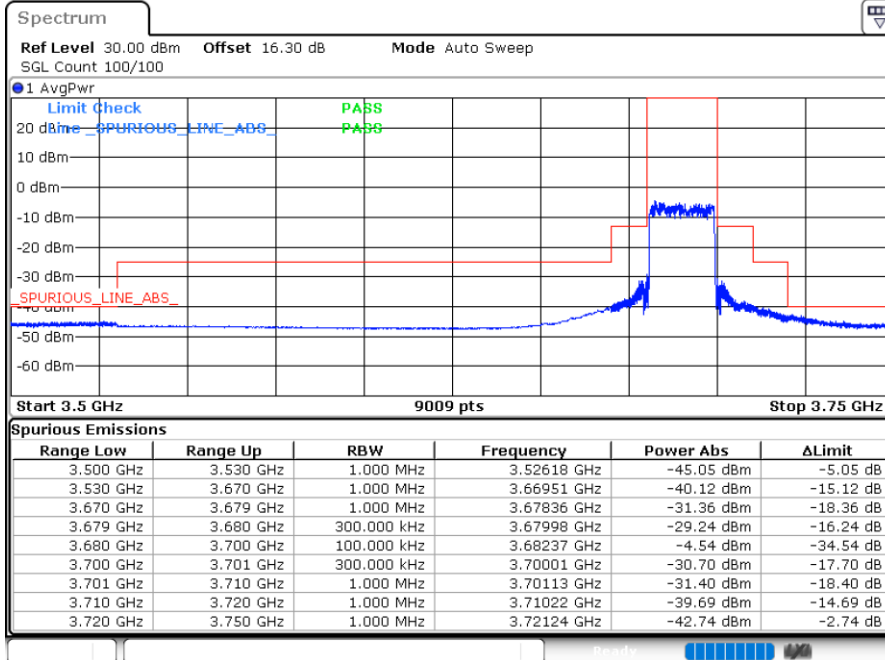
Highest Channel / 1RBmax



Date: 7.MAY.2023 01:15:07

Date: 7.MAY.2023 01:14:42

Highest Channel / FullRB



Date: 7.MAY.2023 01:13:27

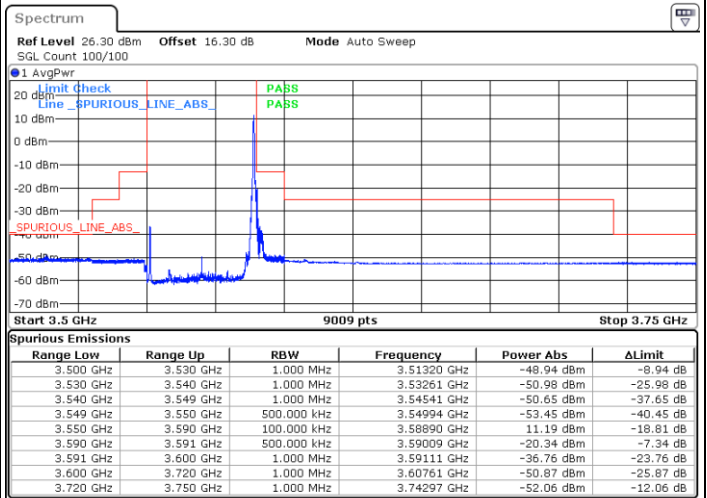
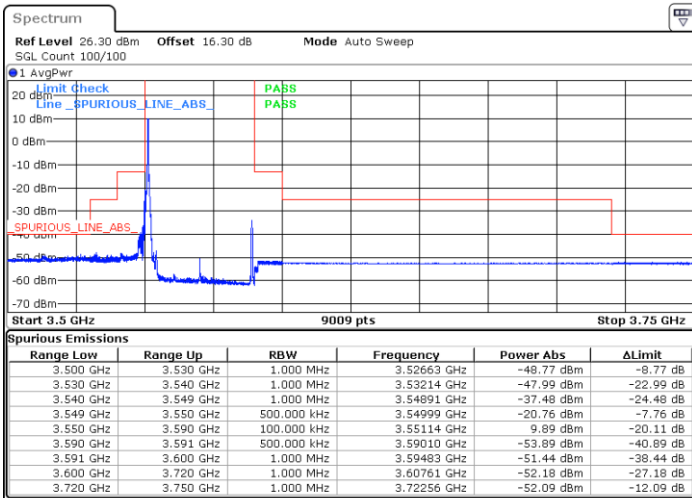


FR1 Part 96 n48 / 40MHz

QPSK

Lowest Channel / 1RB0

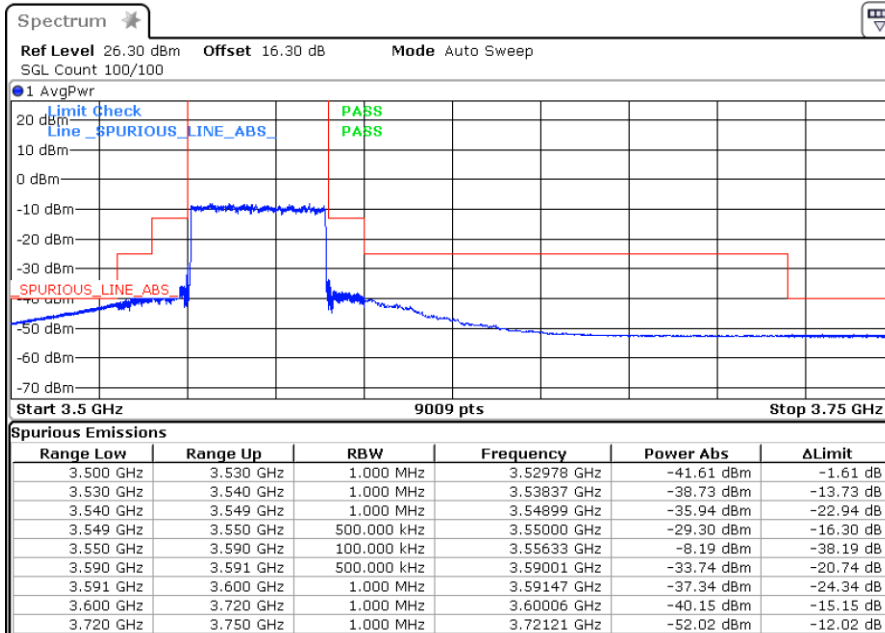
Lowest Channel / 1RBmax



Date: 7.MAY.2023 03:31:47

Date: 7.MAY.2023 03:32:35

Lowest Channel / FullRB



Date: 7.MAY.2023 03:36:42

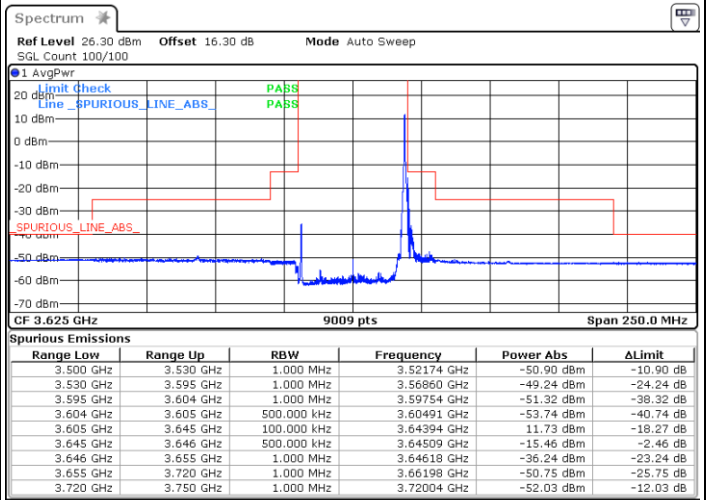
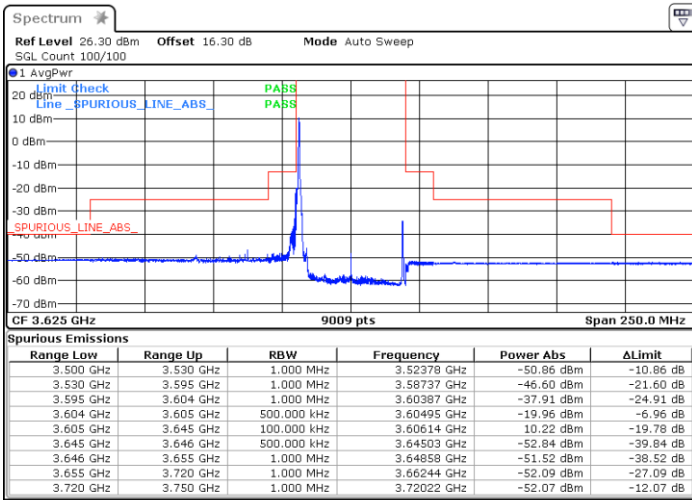


FR1 Part 96 n48 / 40MHz

QPSK

Middle Channel / 1RB0

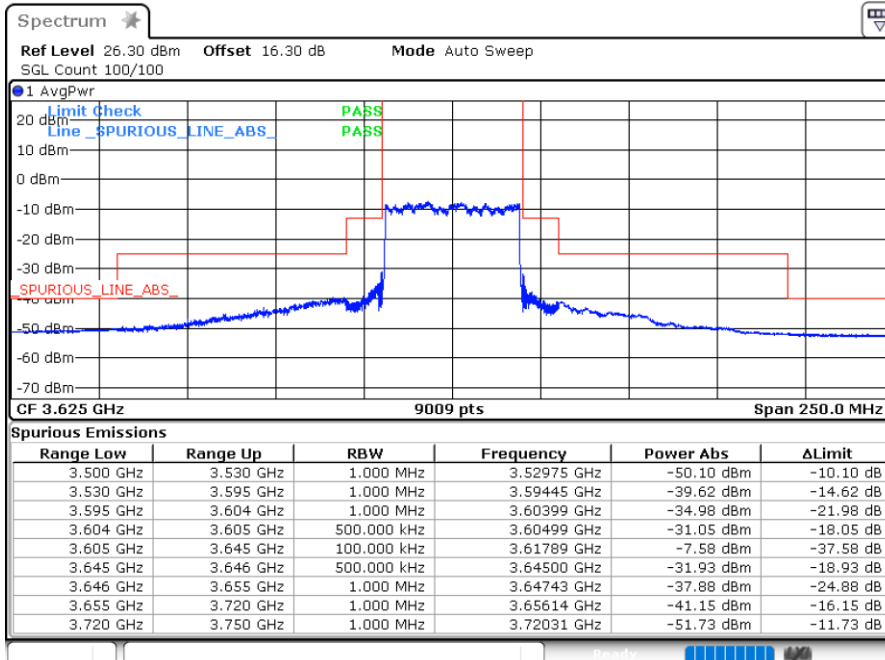
Middle Channel / 1RBmax



Date: 7.MAY.2023 03:29:47

Date: 7.MAY.2023 03:29:08

Middle Channel / FullIRB



Date: 7.MAY.2023 03:27:25

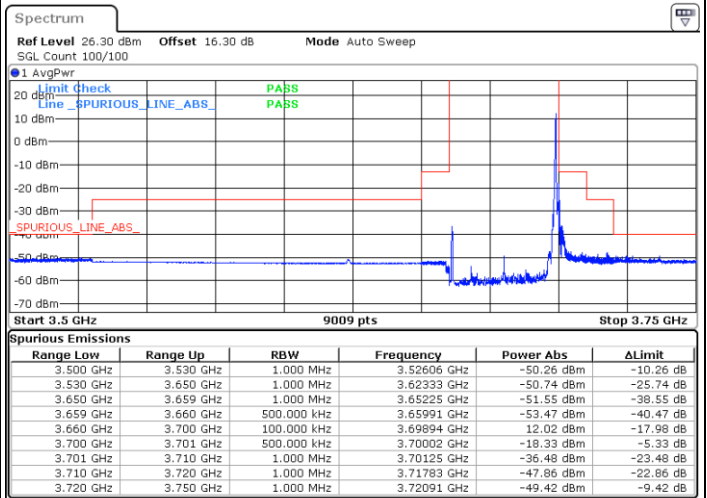
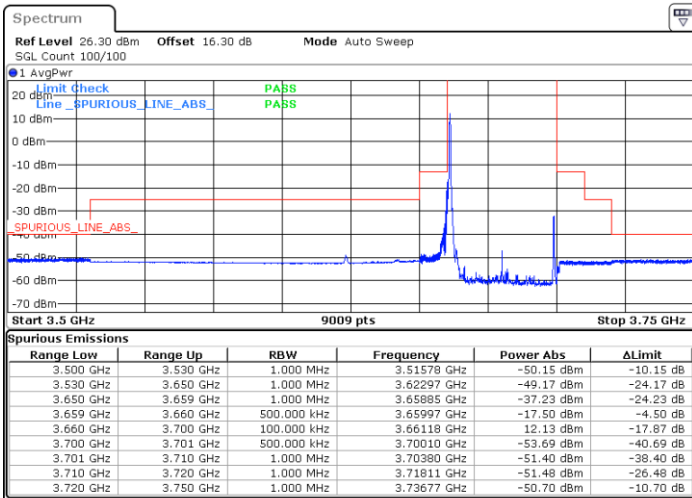


FR1 Part 96 n48 / 40MHz

QPSK

Highest Channel / 1RB0

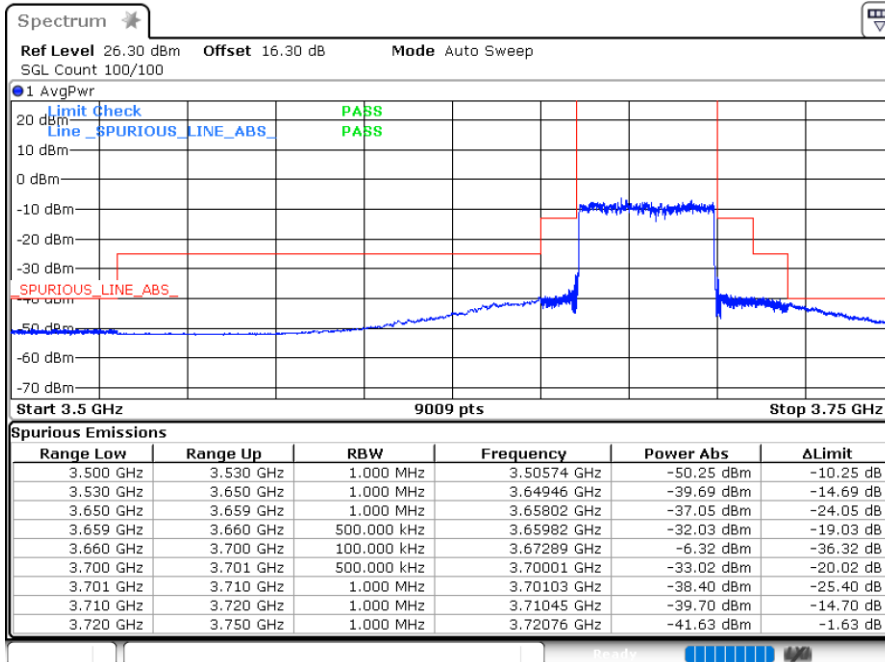
Highest Channel / 1RBmax



Date: 7.MAY.2023 03:22:11

Date: 7.MAY.2023 03:23:24

Highest Channel / FullRB



Date: 7.MAY.2023 03:24:06