

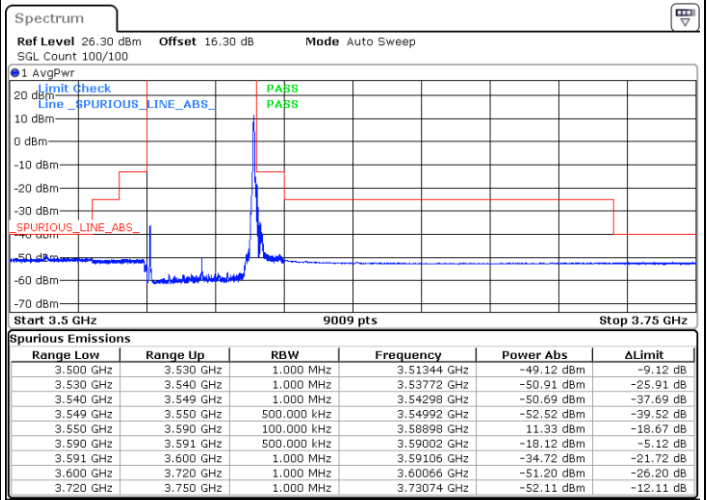
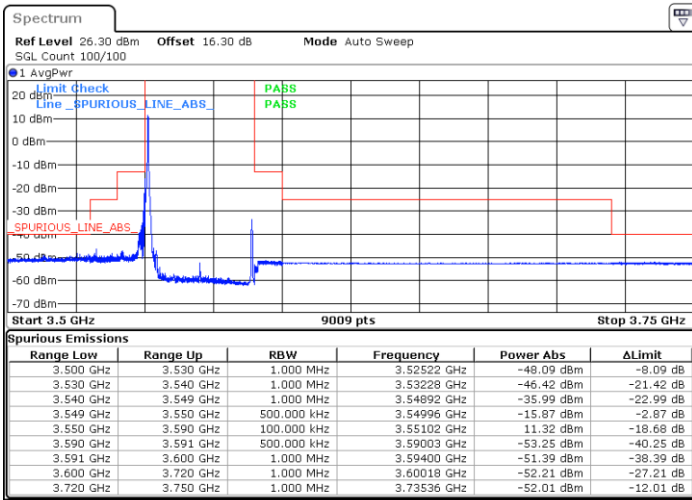


FR1 Part 96 n48 / 40MHz

16QAM

Lowest Channel / 1RB0

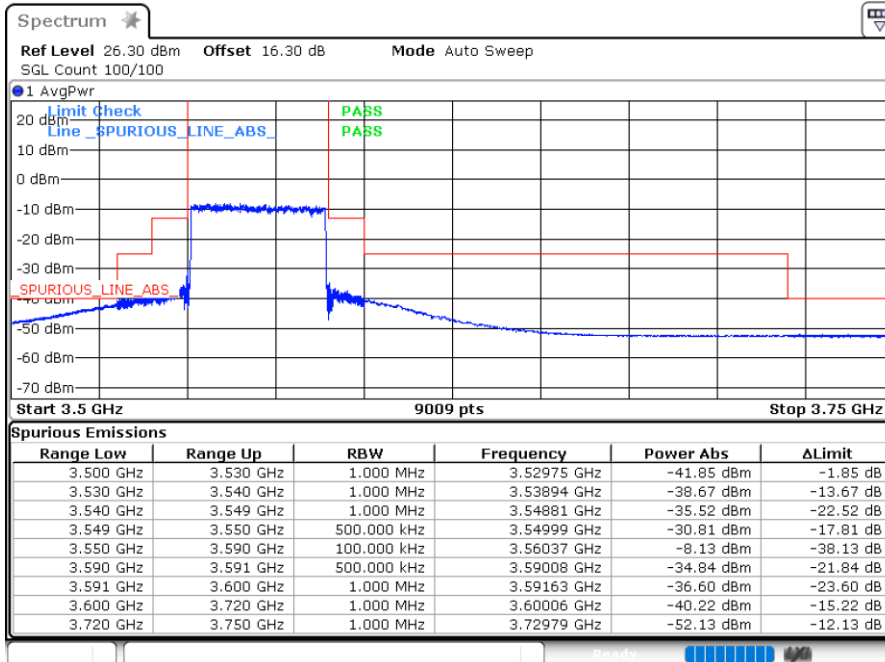
Lowest Channel / 1RBmax



Date: 7.MAY.2023 03:31:02

Date: 7.MAY.2023 03:33:02

Lowest Channel / FullIRB



Date: 7.MAY.2023 03:34:49

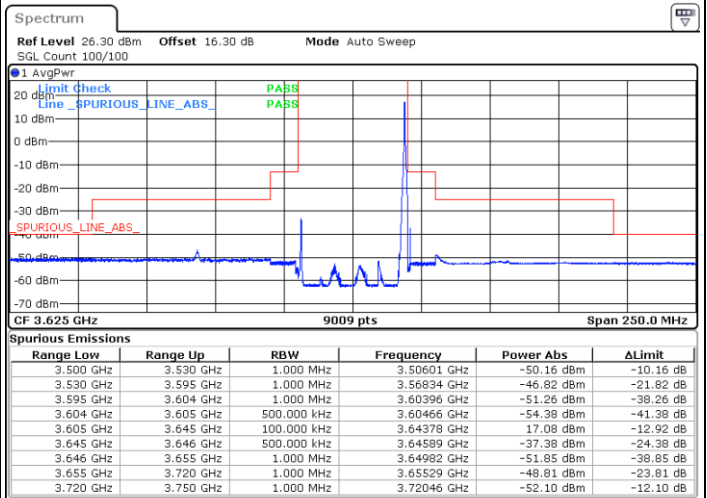
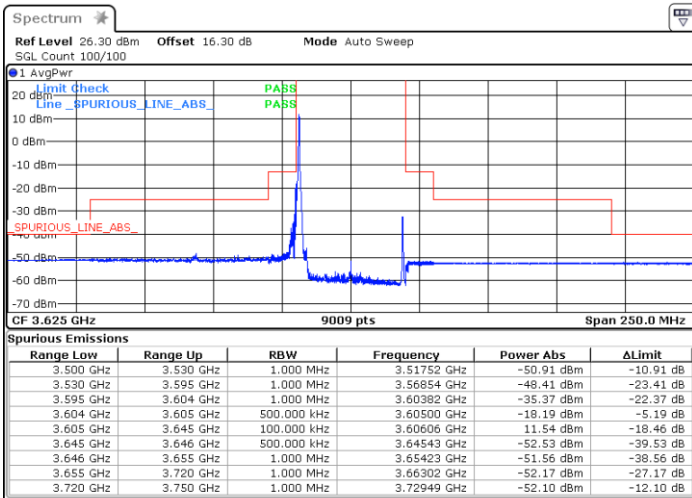


FR1 Part 96 n48 / 40MHz

16QAM

Middle Channel / 1RB0

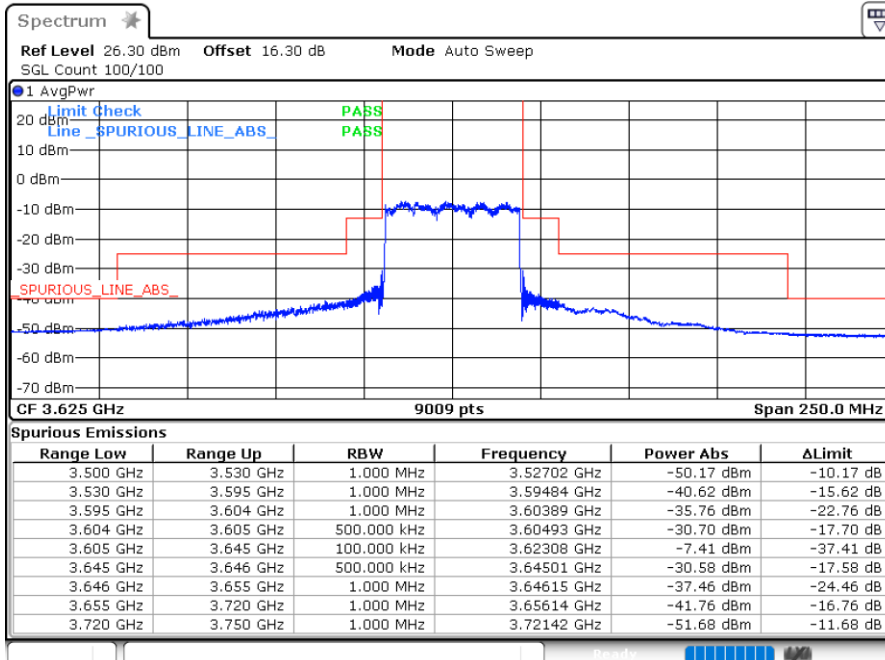
Middle Channel / 1RBmax



Date: 7.MAY.2023 03:10:27

Date: 7.MAY.2023 03:28:31

Middle Channel / FullIRB



Date: 7.MAY.2023 03:28:04

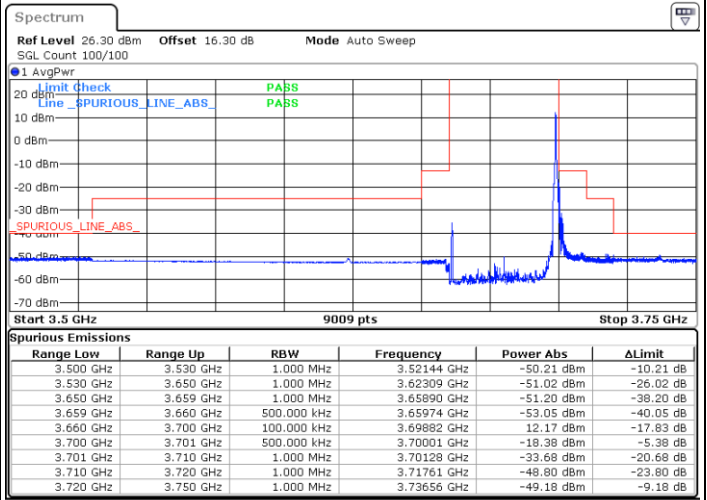
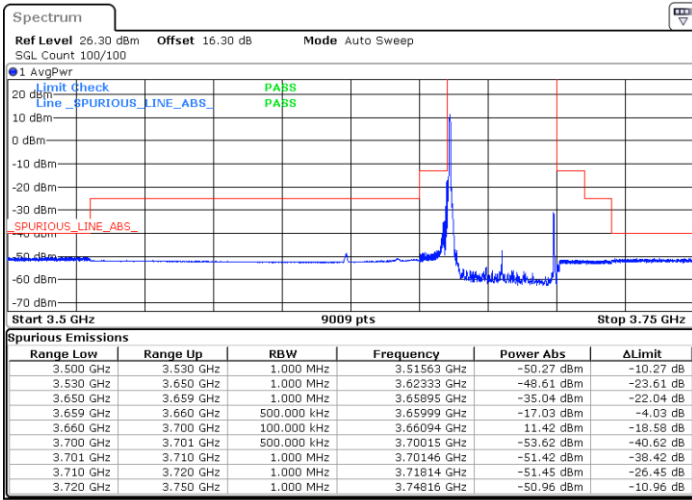


FR1 Part 96 n48 / 40MHz

16QAM

Highest Channel / 1RB0

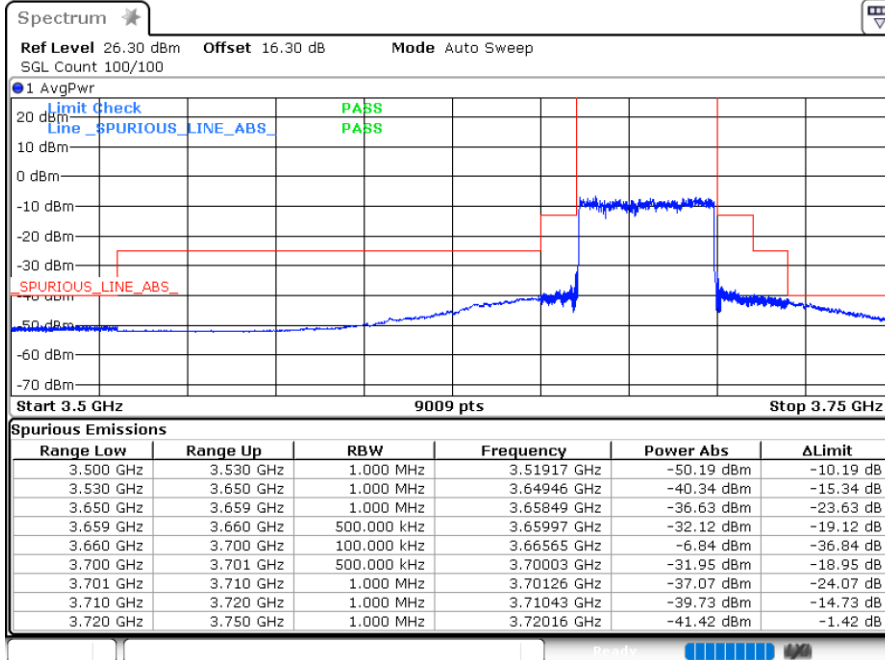
Highest Channel / 1RBmax



Date: 7.MAY.2023 03:22:37

Date: 7.MAY.2023 03:23:01

Highest Channel / FullRB



Date: 7.MAY.2023 03:24:44

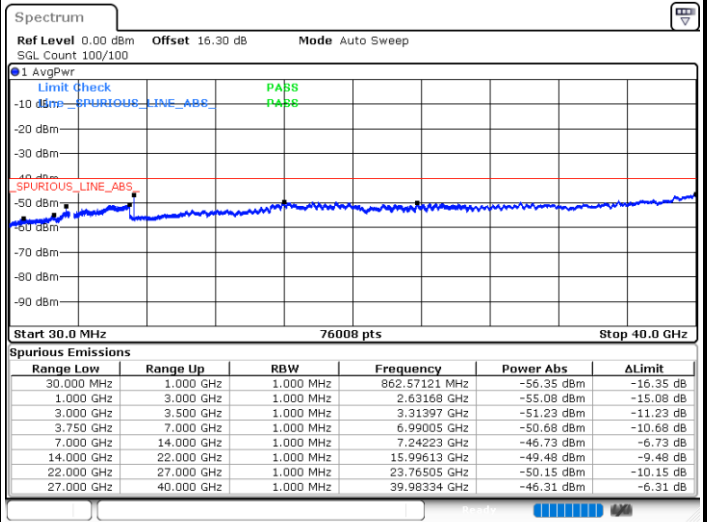
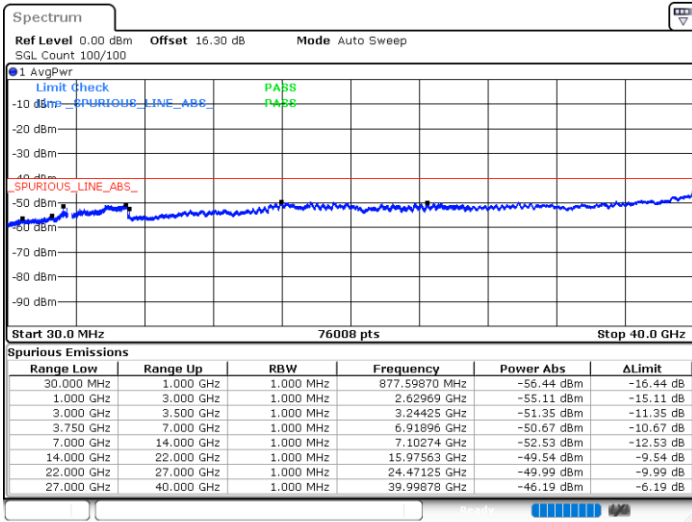


# Conducted Spurious Emission

FR1 n48 / 10MHz / CP OFDM / QPSK

Lowest Channel / 1RB

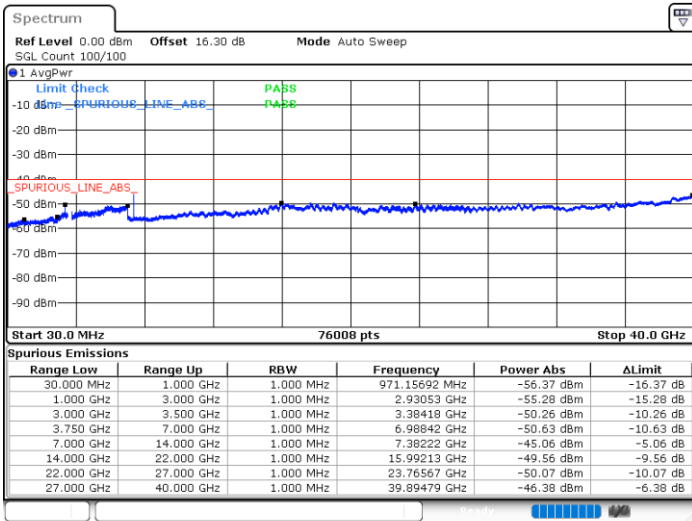
Middle Channel / 1RB



Date: 11.MAY.2023 04:40:37

Date: 11.MAY.2023 04:38:12

Highest Channel / 1RB



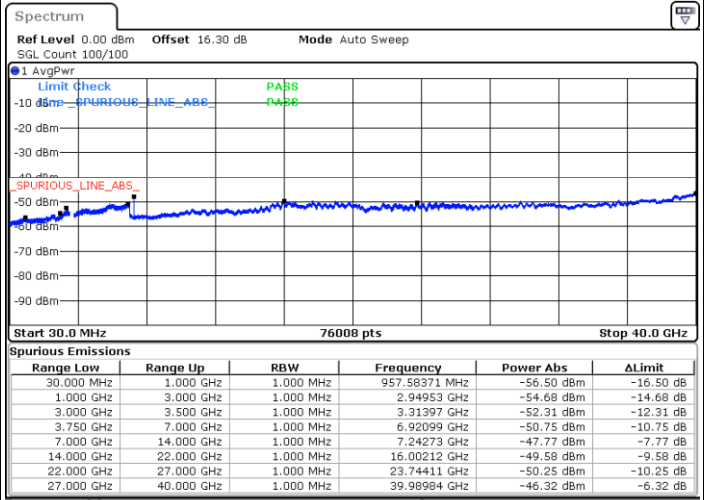
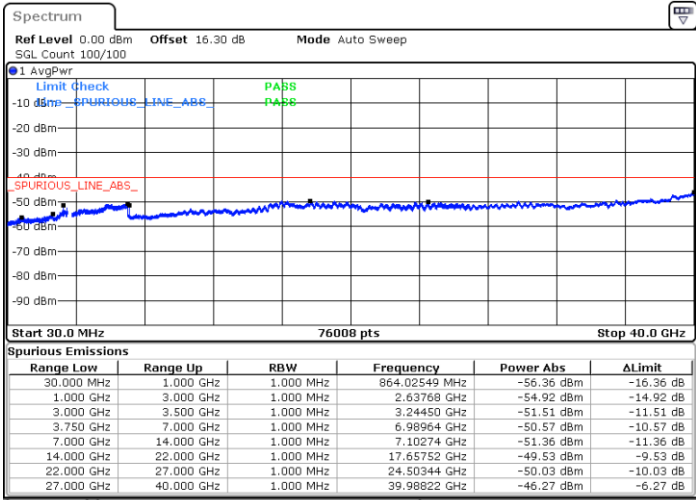
Date: 11.MAY.2023 04:32:52



FR1 n48 / 10MHz / CP OFDM / 16QAM

Lowest Channel / 1RB

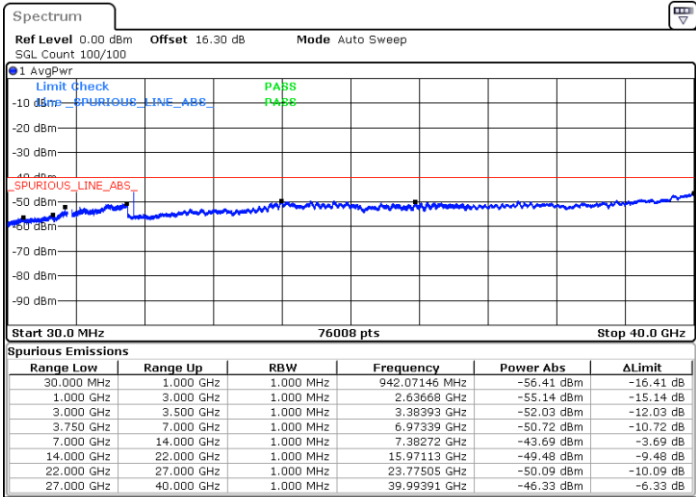
Middle Channel / 1RB



Date: 11.MAY.2023 04:41:50

Date: 11.MAY.2023 04:35:39

Highest Channel / 1RB



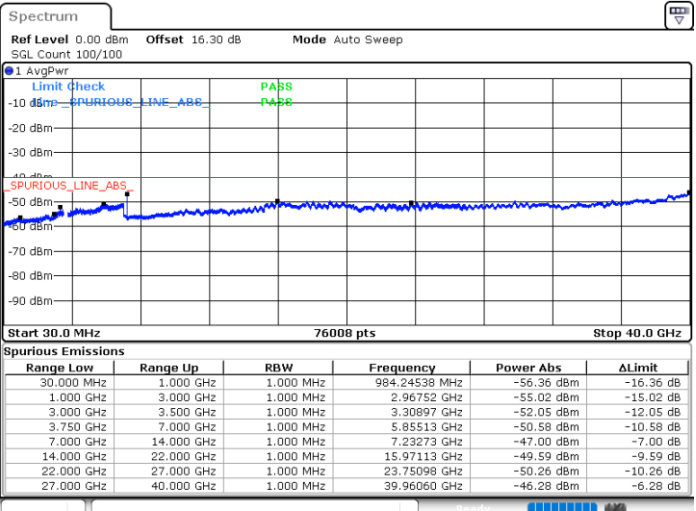
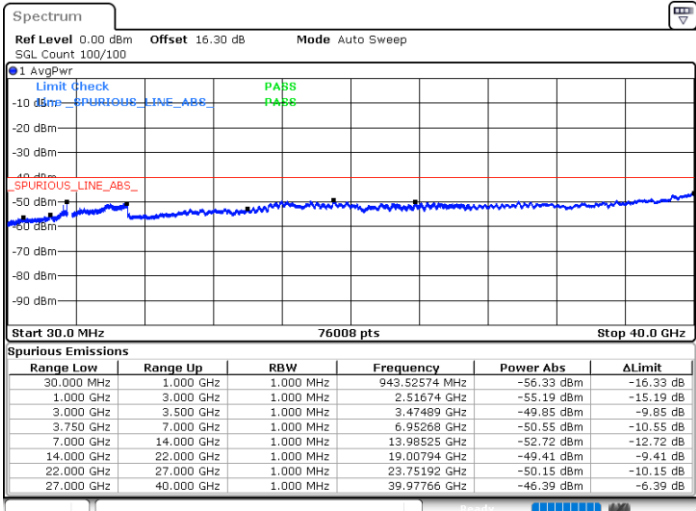
Date: 11.MAY.2023 04:34:16



FR1 n48 / 20MHz / CP OFDM / QPSK

Lowest Channel / 1RB

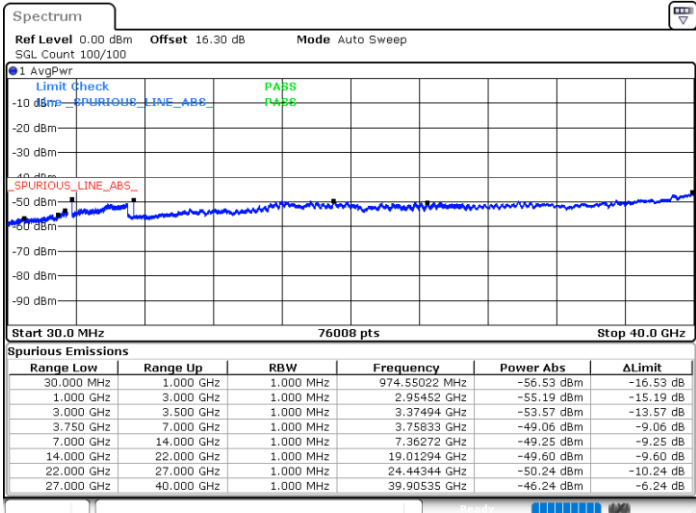
Middle Channel / 1RB



Date: 11.MAY.2023 04:45:41

Date: 11.MAY.2023 04:47:01

Highest Channel / 1RB



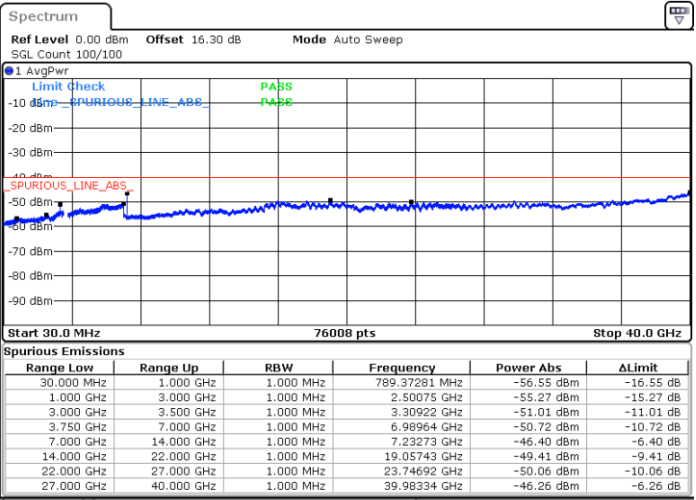
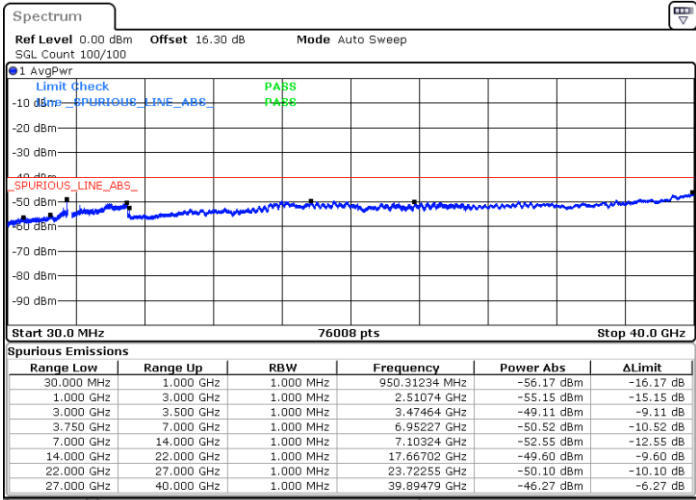
Date: 11.MAY.2023 04:51:22



FR1 n48 / 20MHz / CP OFDM / 16QAM

Lowest Channel / 1RB

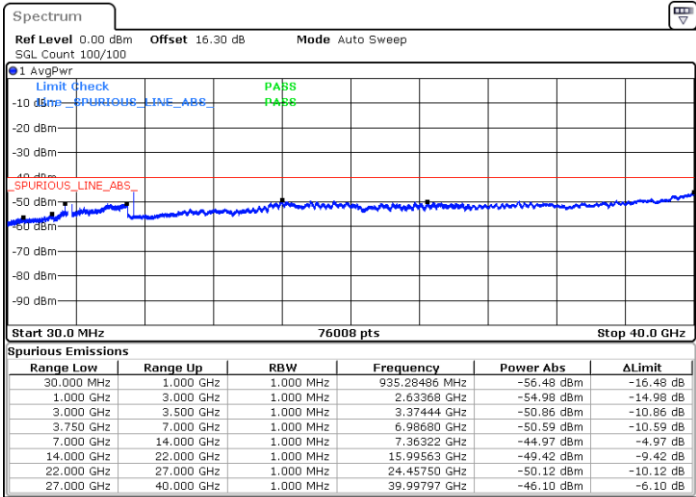
Middle Channel / 1RB



Date: 11.MAY.2023 04:44:26

Date: 11.MAY.2023 04:48:47

Highest Channel / 1RB



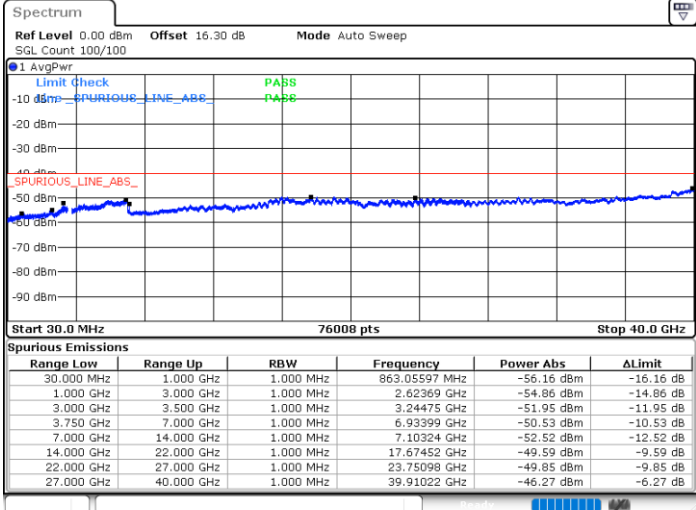
Date: 11.MAY.2023 04:50:03



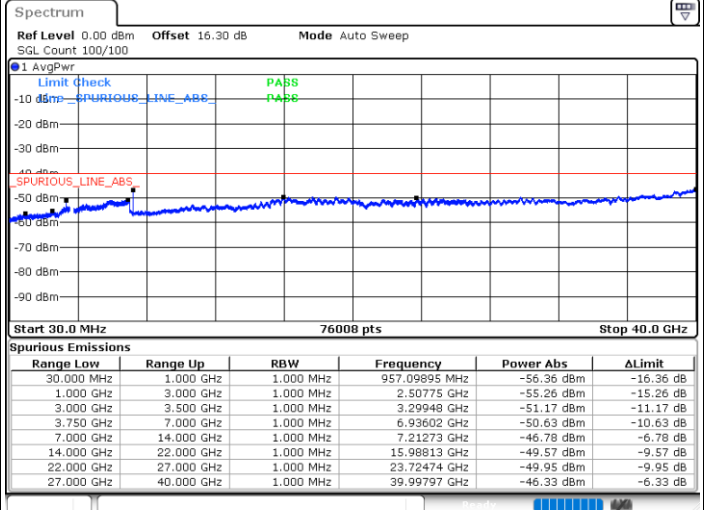
FR1 n48 / 40MHz / CP OFDM / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB

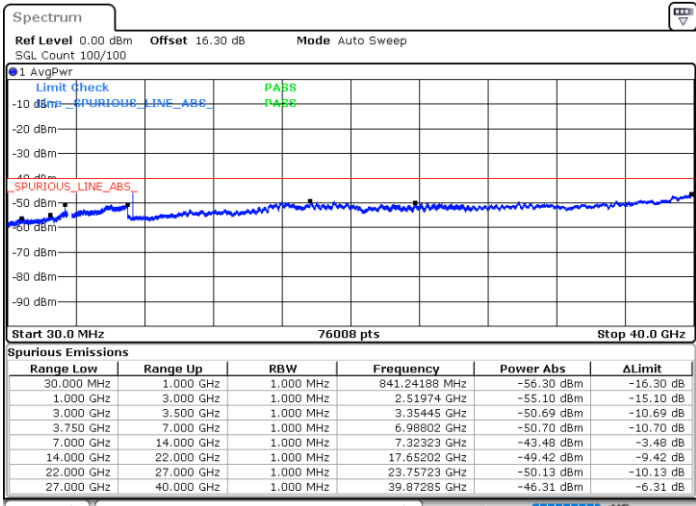


Date: 11.MAY.2023 04:53:55



Date: 11.MAY.2023 05:08:56

Highest Channel / 1RB



Date: 11.MAY.2023 05:15:09

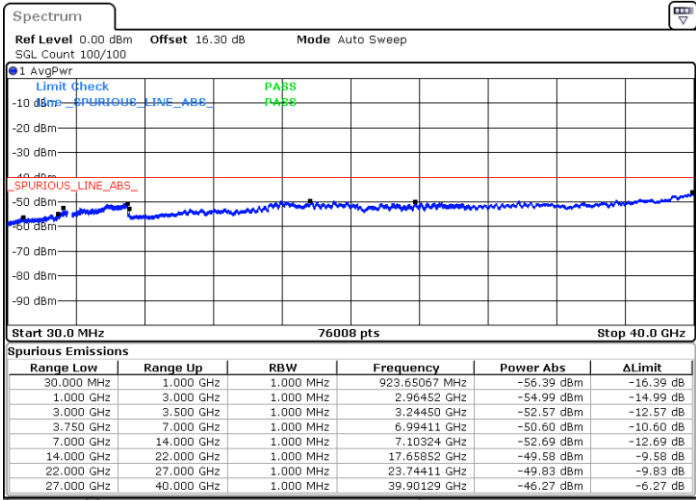




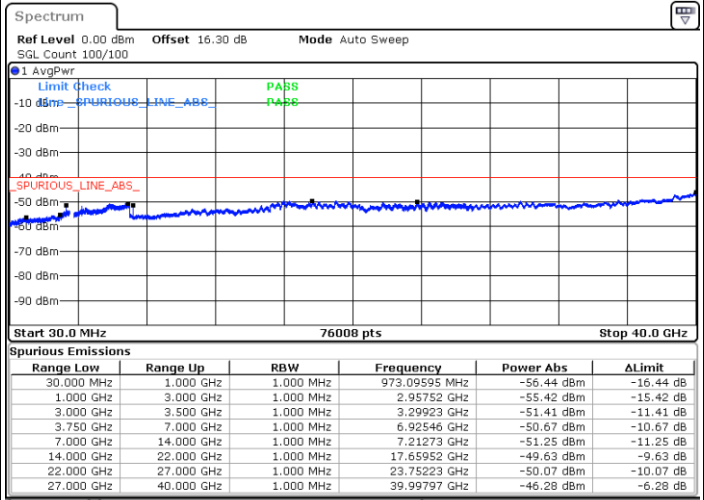
FR1 n48 / 40MHz / CP OFDM / 16QAM

Lowest Channel / 1RB

Middle Channel / 1RB

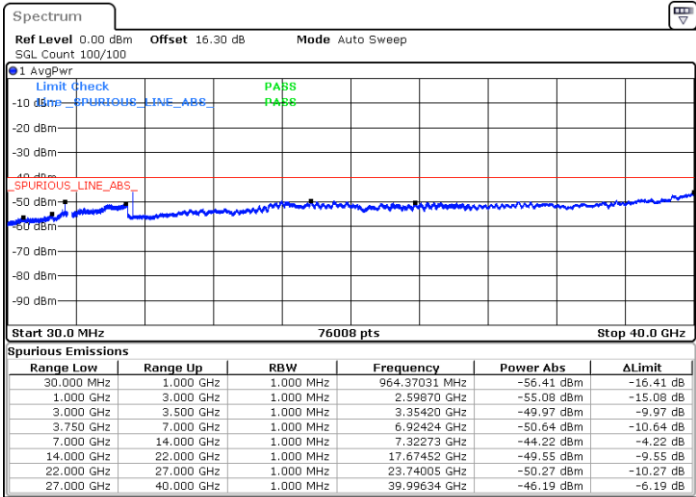


Date: 11.MAY.2023 04:55:12



Date: 11.MAY.2023 05:01:08

Highest Channel / 1RB



Date: 11.MAY.2023 05:17:09



**Frequency Stability**

Test Conditions		FR1 n48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0135	PASS
40	Normal Voltage	0.0089	
30	Normal Voltage	0.0126	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0073	
0	Normal Voltage	0.0059	
-10	Normal Voltage	0.0152	
-20	Normal Voltage	0.0071	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0035	
20	Normal Voltage	0.0122	
20	Minimum Voltage	0.0096	

**Note:**

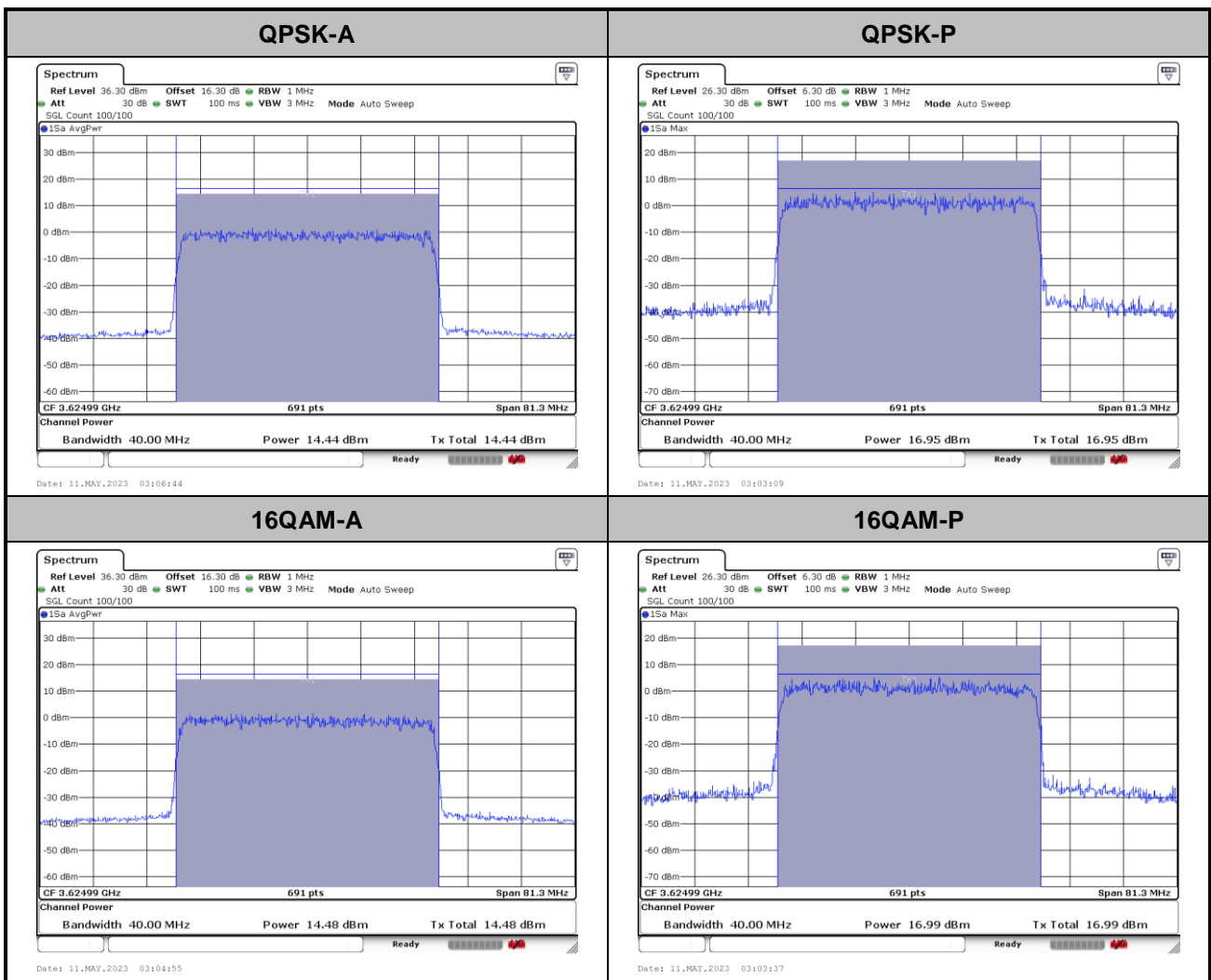
1. Normal Voltage =24V. ; Minimum Voltage =20 V. ; Maximum Voltage =28 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



# FR1 n48 MIMO – ANT3

## Peak-to-Average Ratio

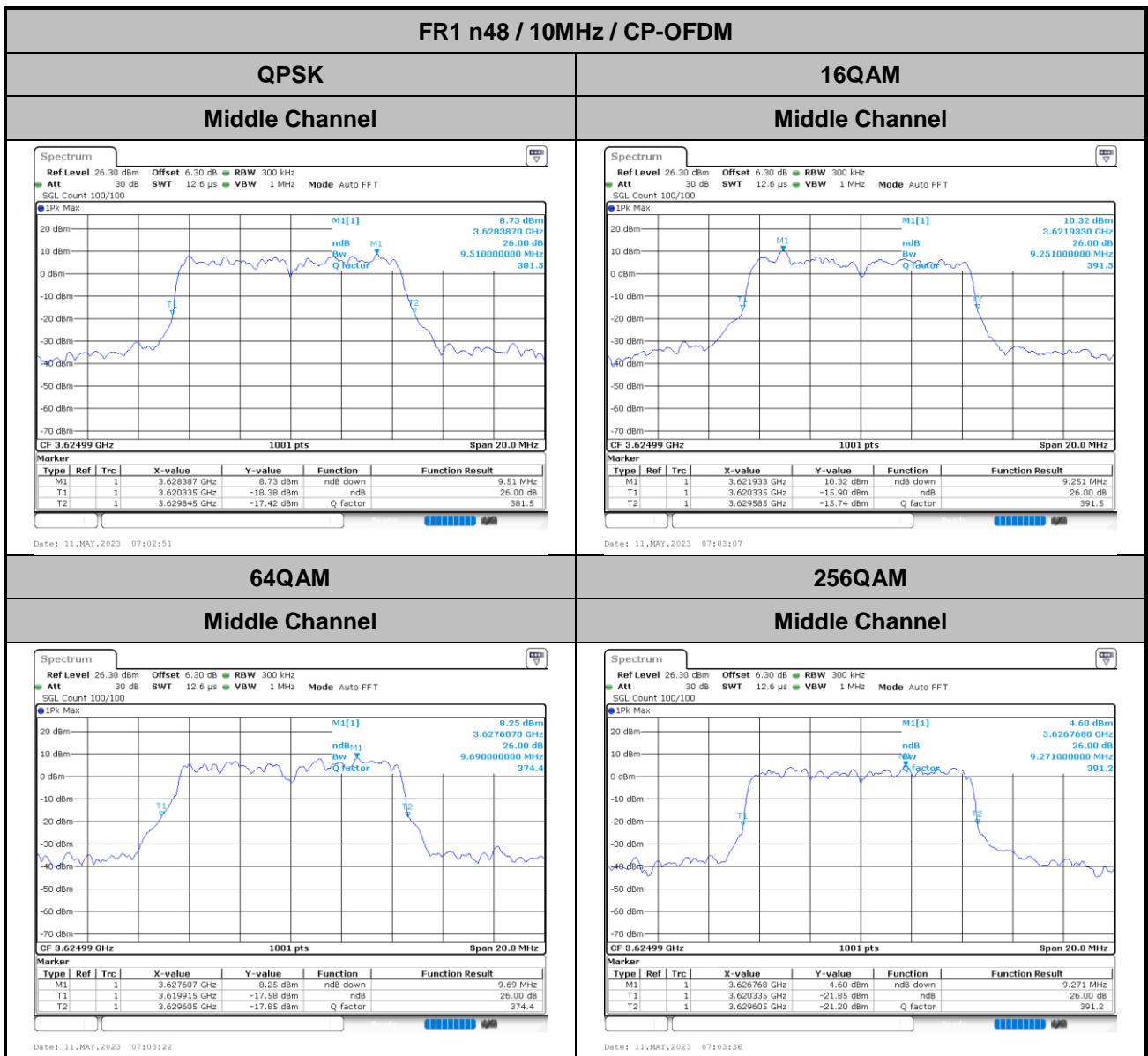
Mode	FR1 Part96 N48 /10MHz / CP OFDM		
Mod.	40M		Limit: 13dB
RB Size	QPSK	16QAM	Result
Middle CH	2.51	2.51	PASS





**26dB Bandwidth**

Mode	FR1 n48 : 26dB BW(10 MHz) / CP-OFDM			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	9.51	9.25	9.69	9.27
Mode	FR1 n48 : 26dB BW(20 MHz) / CP-OFDM			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	19.7	19.06	18.98	19.26
Mode	FR1 n48 : 26dB BW(40 MHz) / CP-OFDM			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	40.2	40.28	40.12	40.12





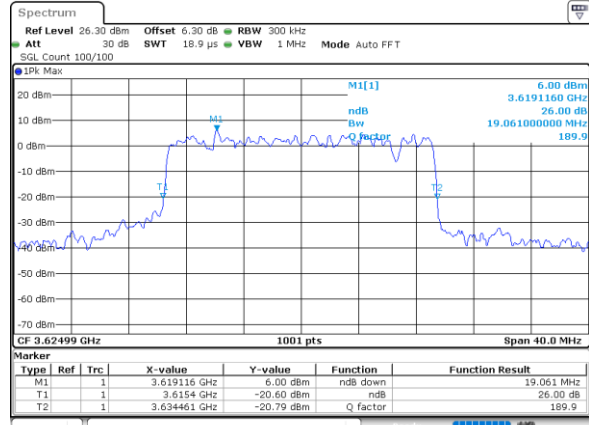
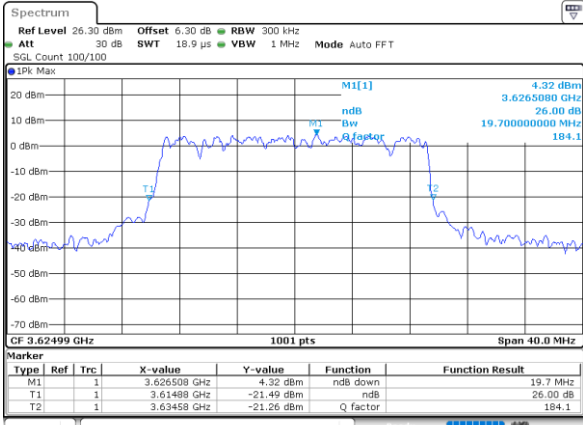
FR1 n48 / 20MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 11.MAY.2023 06:59:41

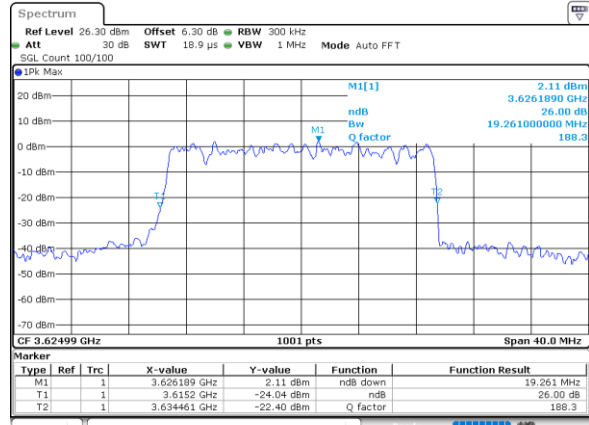
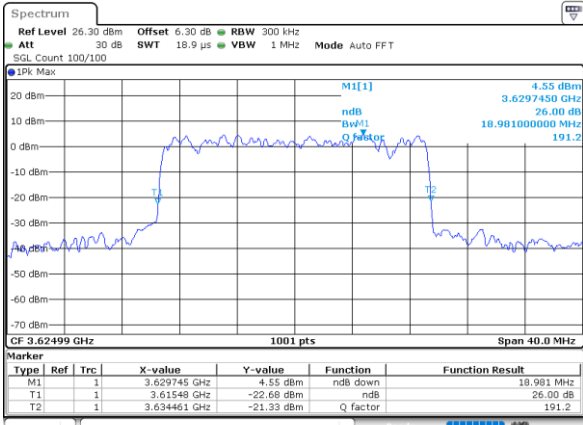
Date: 11.MAY.2023 06:59:59

64QAM

256QAM

Middle Channel

Middle Channel



Date: 11.MAY.2023 07:00:15

Date: 11.MAY.2023 07:00:31



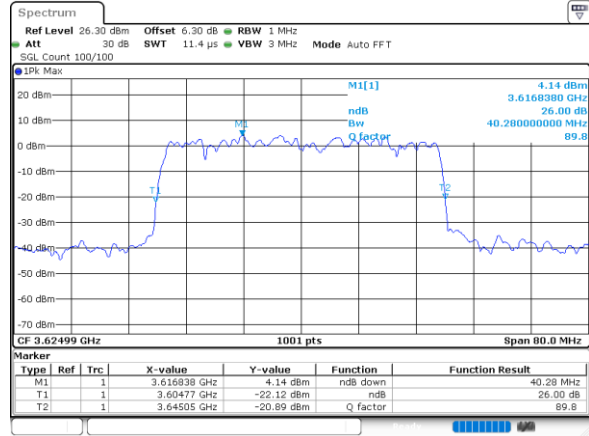
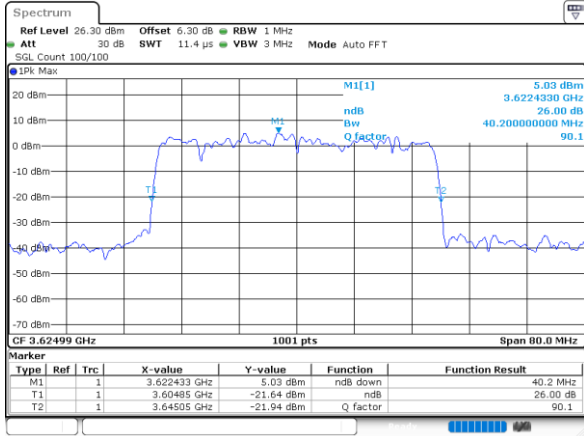
FR1 n48 / 40MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 11.MAY.2023 06:53:24

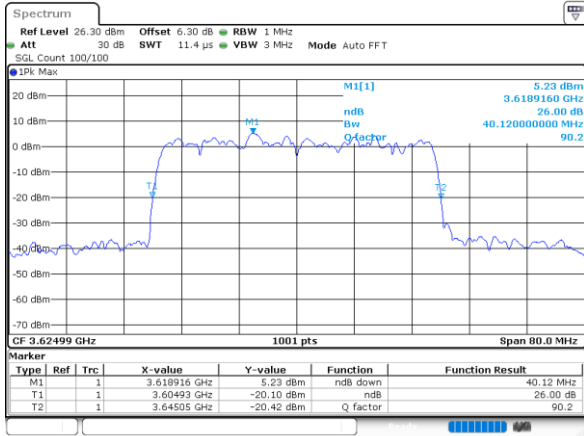
Date: 11.MAY.2023 06:55:50

64QAM

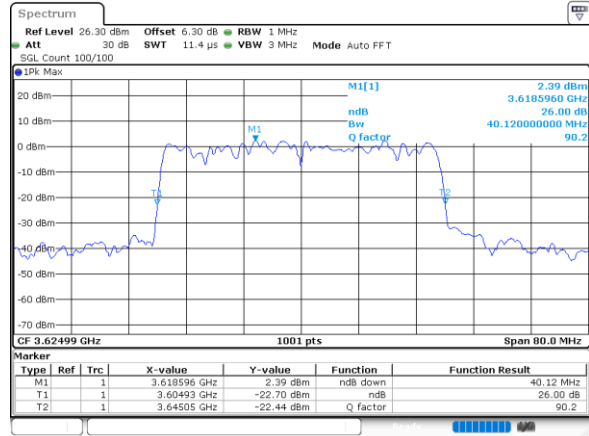
256QAM

Middle Channel

Middle Channel



Date: 11.MAY.2023 06:56:10

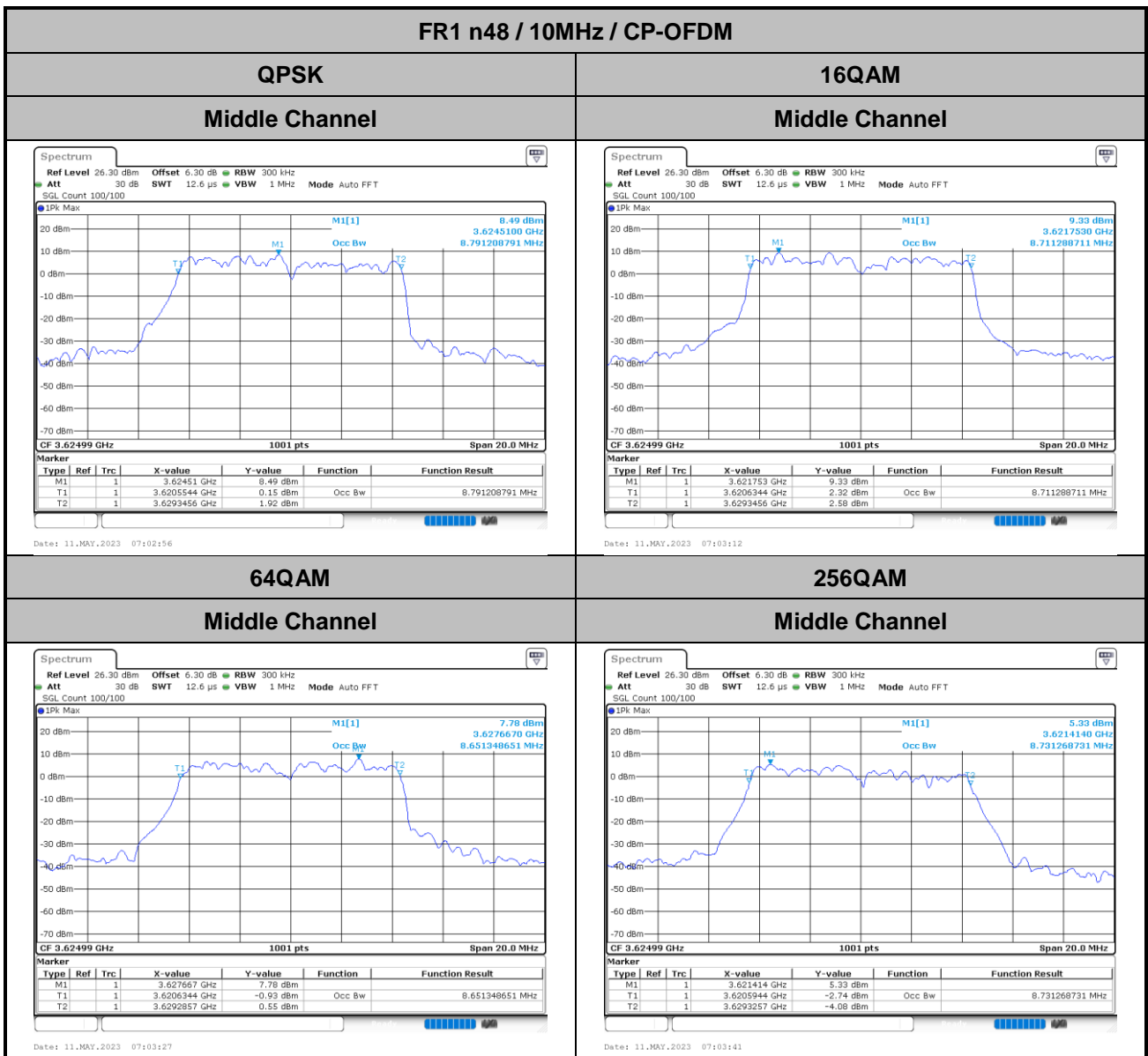


Date: 11.MAY.2023 06:56:27



# Occupied Bandwidth

Mode	FR1 n48 : OB BW(10 MHz) / CP-OFDM			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	8.79	8.71	8.65	8.73
Mode	FR1 n48 : OB BW(20 MHz) / CP-OFDM			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	18.22	18.22	18.14	18.30
Mode	FR1 n48 : OB BW(40 MHz) / CP-OFDM			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	37.80	37.48	38.04	38.36





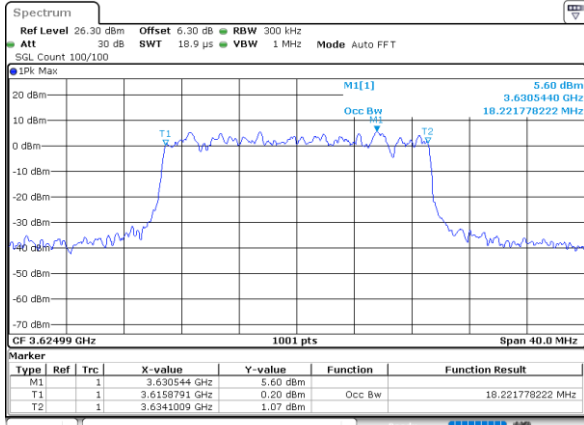
FR1 n48 / 20MHz / CP-OFDM

QPSK

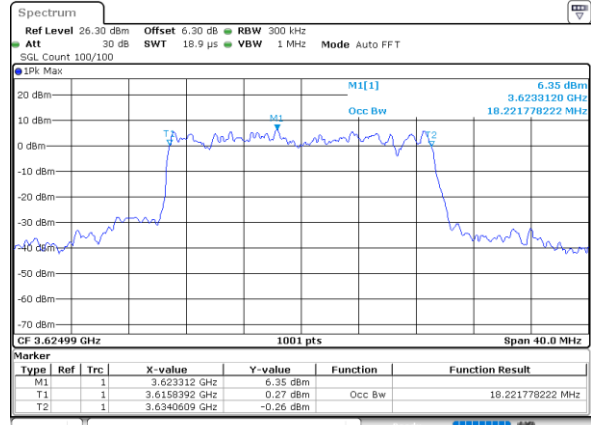
16QAM

Middle Channel

Middle Channel



Date: 11.MAY.2023 06:59:47



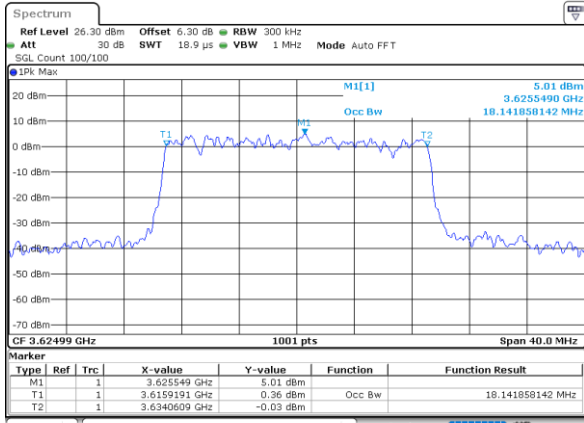
Date: 11.MAY.2023 07:00:05

64QAM

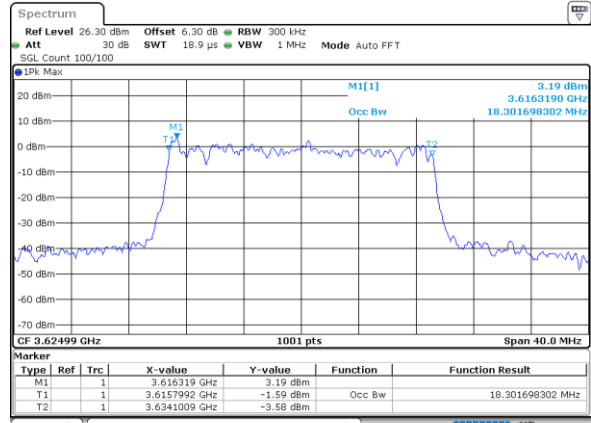
256QAM

Middle Channel

Middle Channel



Date: 11.MAY.2023 07:00:20



Date: 11.MAY.2023 07:00:37





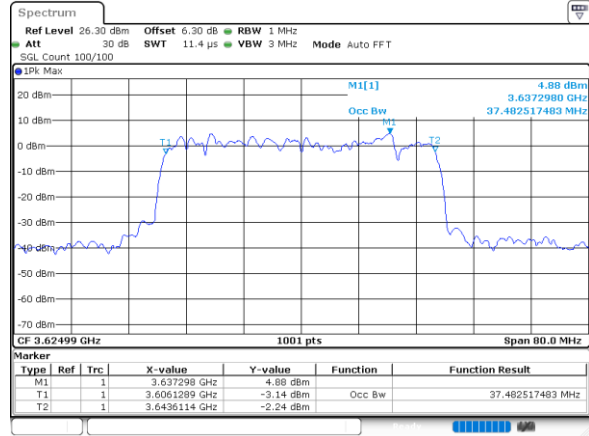
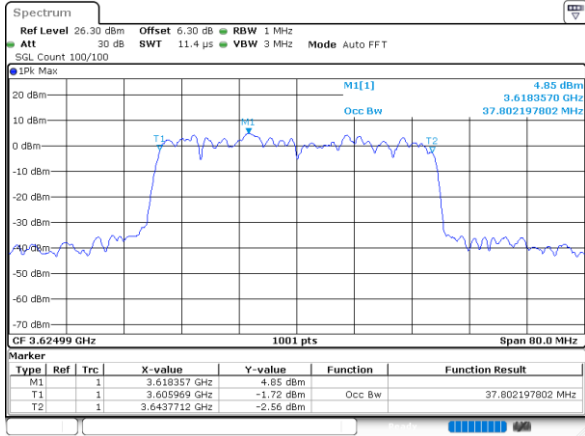
FR1 n48 / 40MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 11.MAY.2023 06:53:30

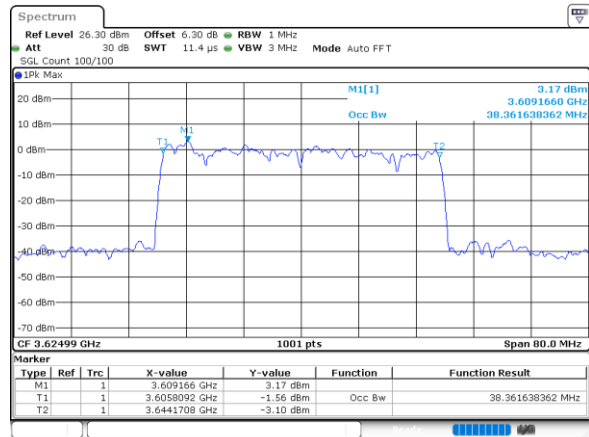
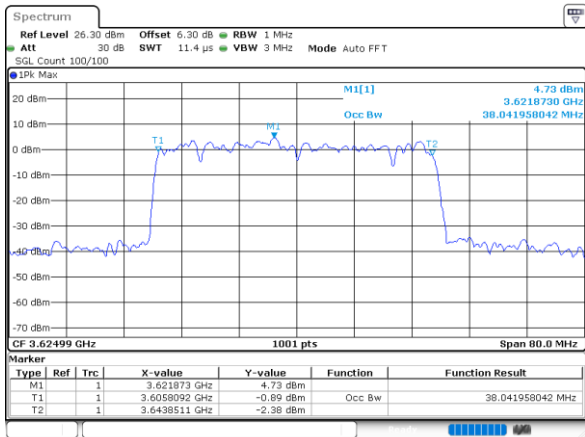
Date: 11.MAY.2023 06:55:58

64QAM

256QAM

Middle Channel

Middle Channel

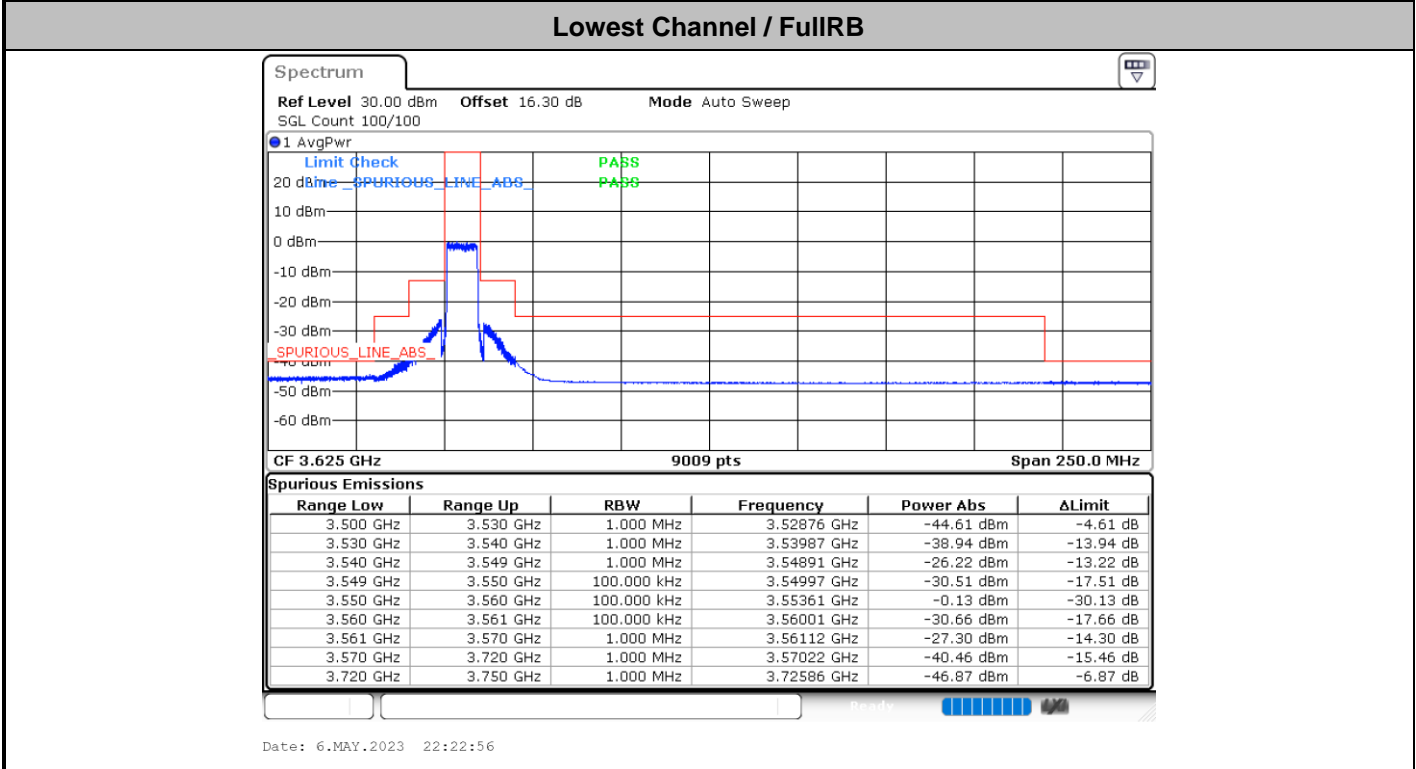
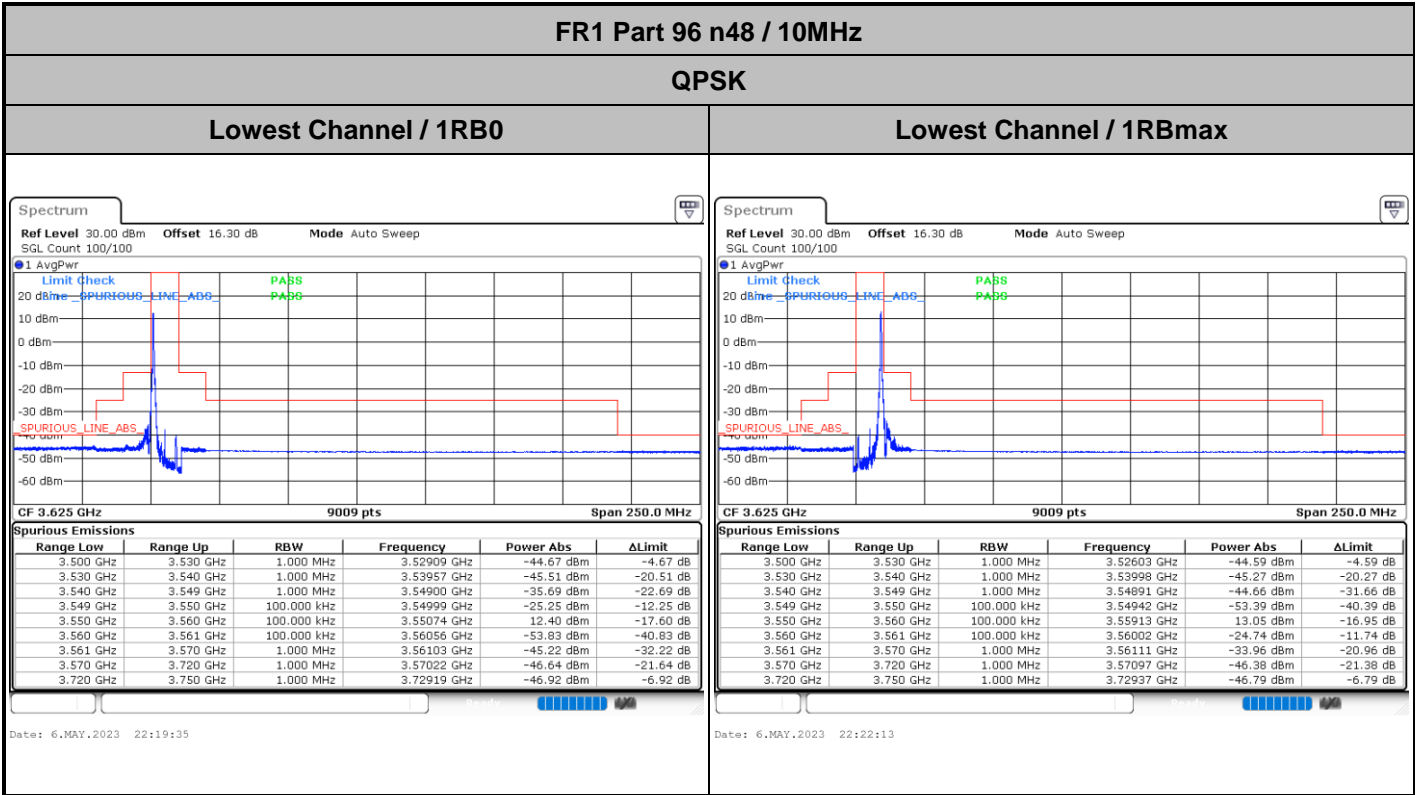


Date: 11.MAY.2023 06:56:15

Date: 11.MAY.2023 06:56:33



# Conducted Band Edge



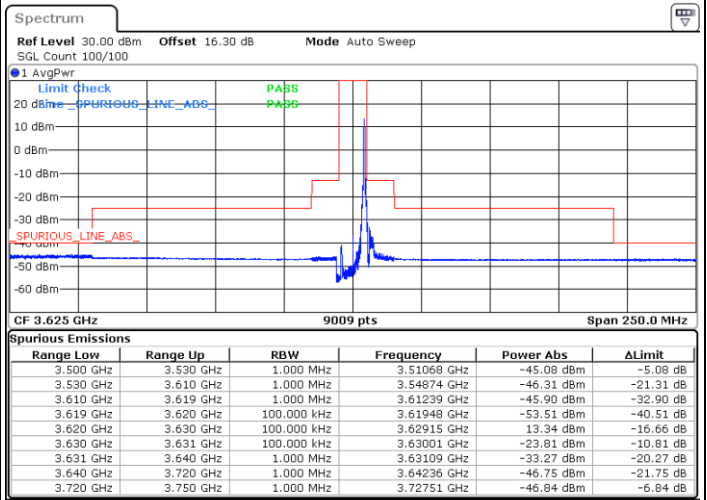
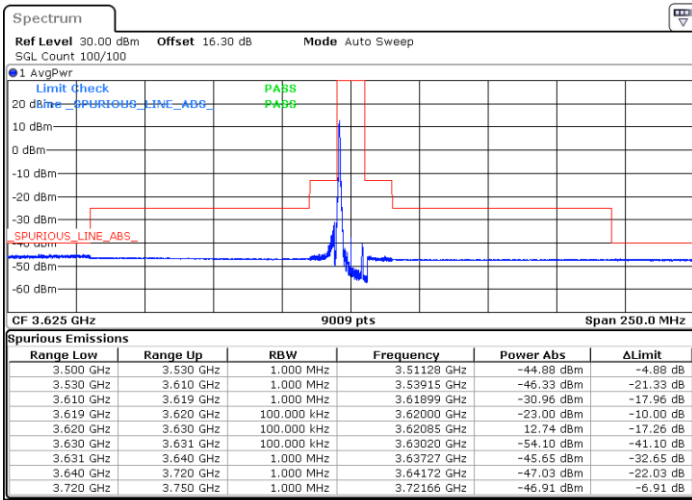


FR1 Part 96 n48 / 10MHz

QPSK

Middle Channel / 1RB0

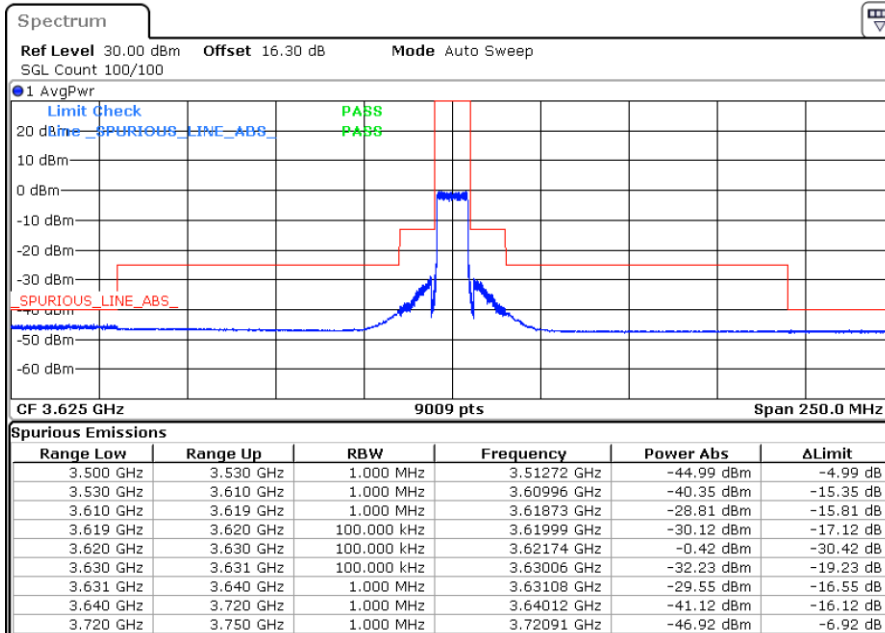
Middle Channel / 1RBmax



Date: 6.MAY.2023 22:25:49

Date: 6.MAY.2023 22:27:38

Middle Channel / FullIRB



Date: 6.MAY.2023 22:28:10

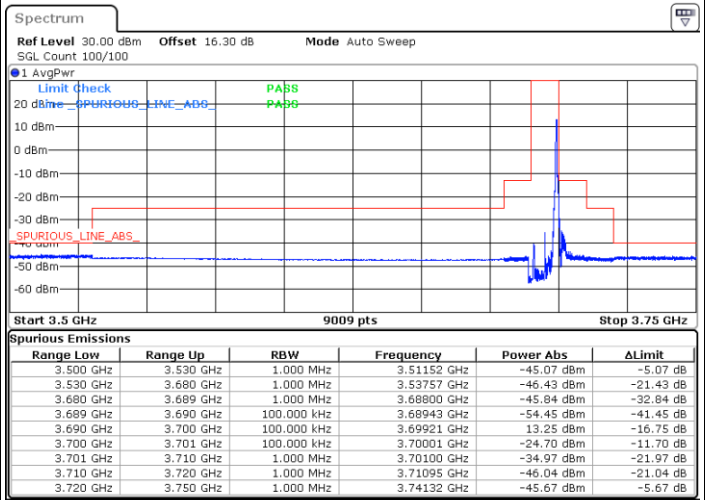
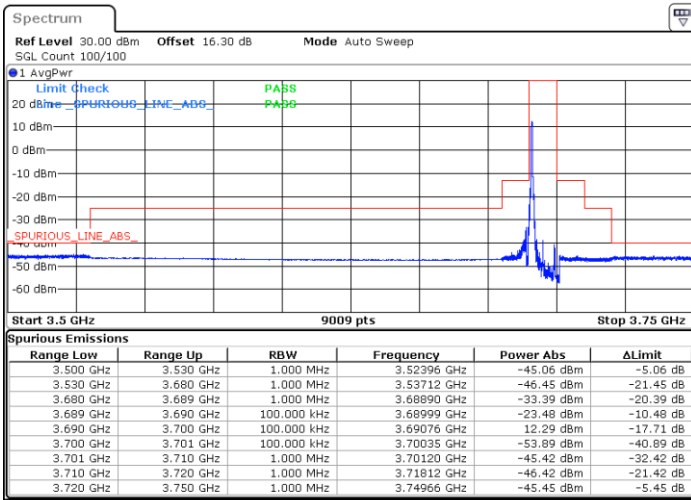


FR1 Part 96 n48 / 10MHz

QPSK

Highest Channel / 1RB0

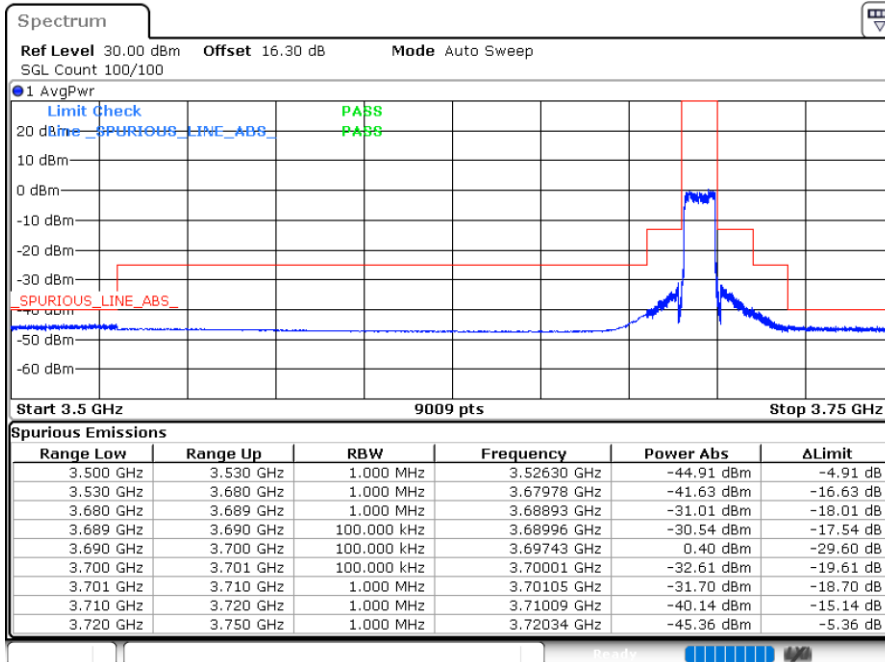
Highest Channel / 1RBmax



Date: 6.MAY.2023 22:13:08

Date: 6.MAY.2023 22:30:26

Highest Channel / FullRB



Date: 6.MAY.2023 22:29:53

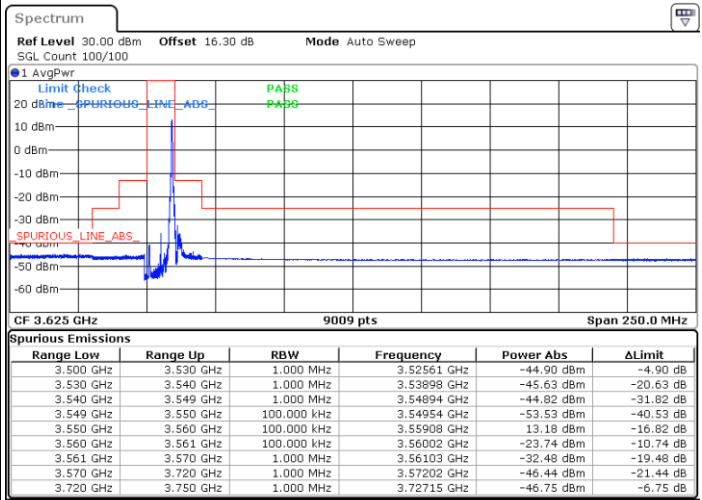
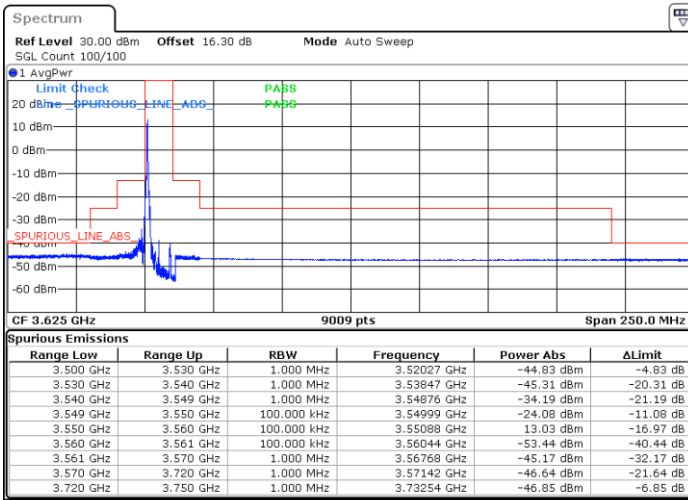


FR1 Part 96 n48 / 10MHz

16QAM

Lowest Channel / 1RB0

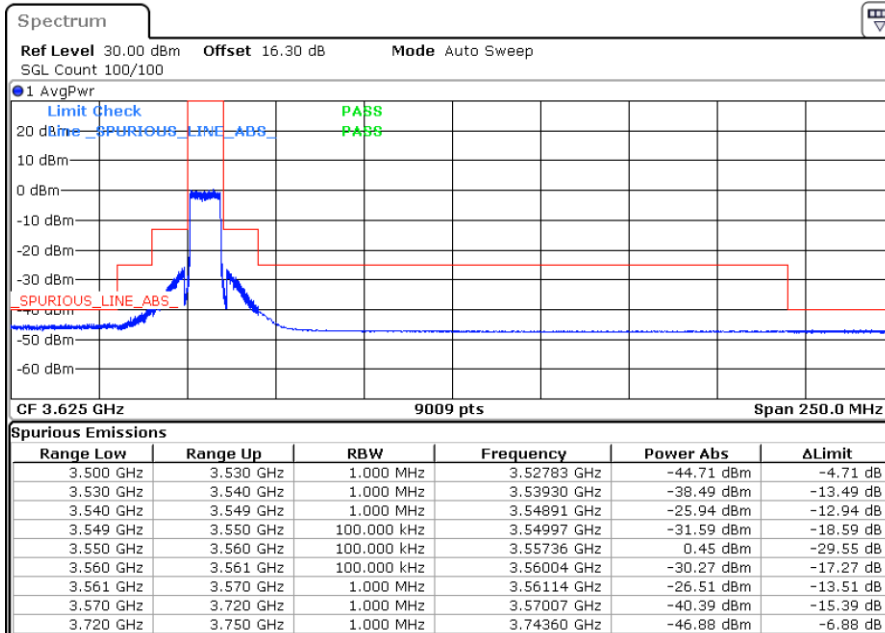
Lowest Channel / 1RBmax



Date: 6.MAY.2023 22:20:48

Date: 6.MAY.2023 22:21:38

Lowest Channel / FullIRB



Date: 6.MAY.2023 22:23:32

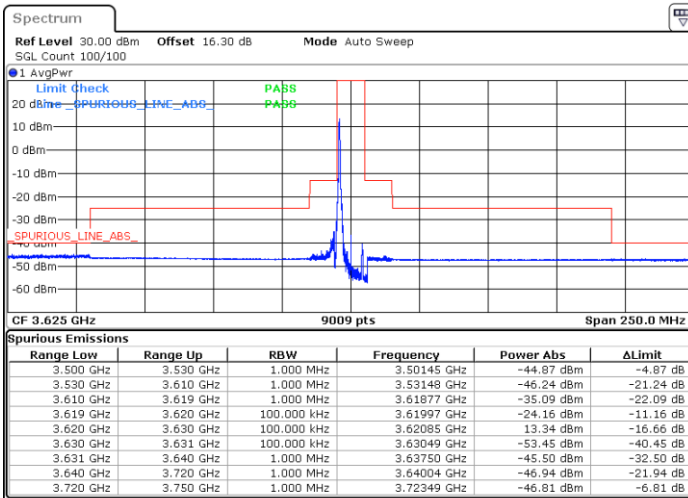


FR1 Part 96 n48 / 10MHz

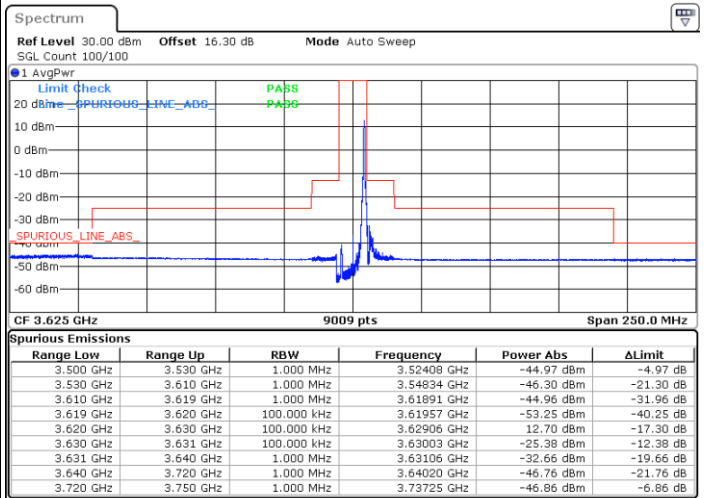
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

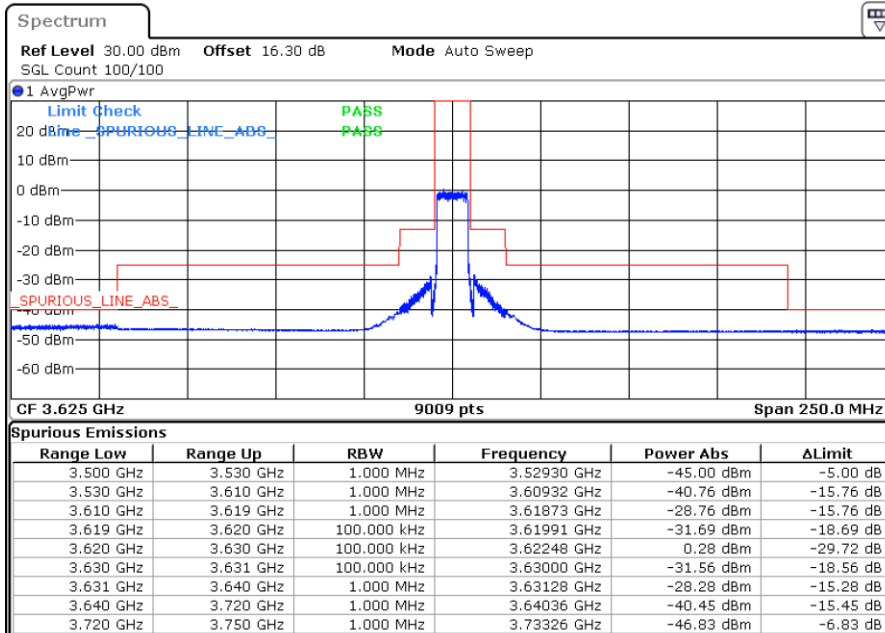


Date: 6.MAY.2023 22:26:25



Date: 6.MAY.2023 22:27:08

Middle Channel / FullIRB



Date: 6.MAY.2023 22:28:42

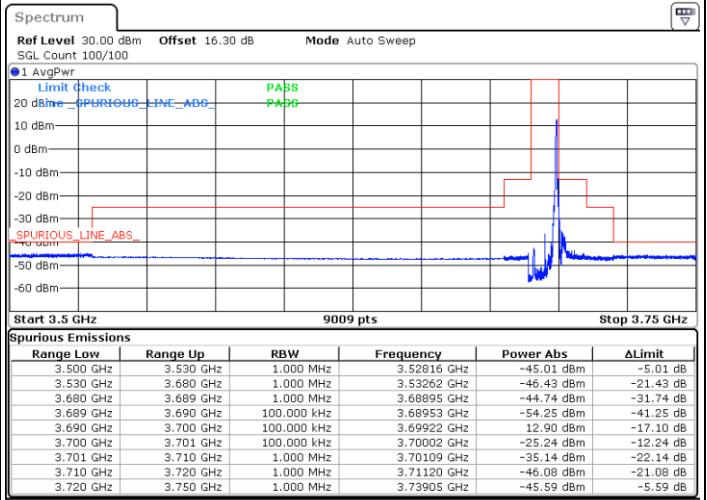
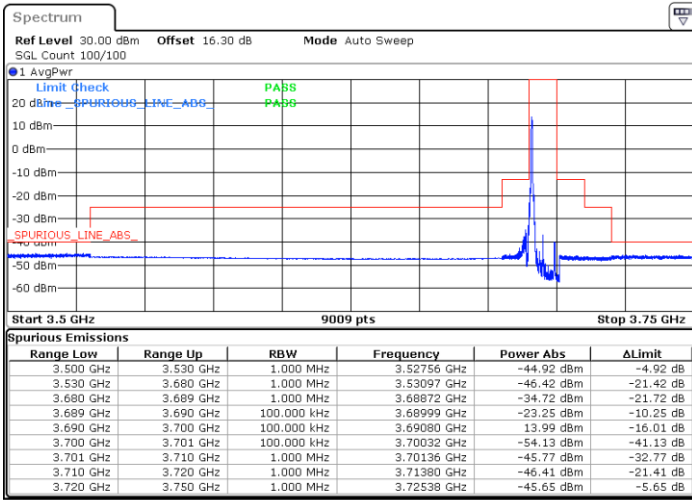


FR1 Part 96 n48 / 10MHz

16QAM

Highest Channel / 1RB0

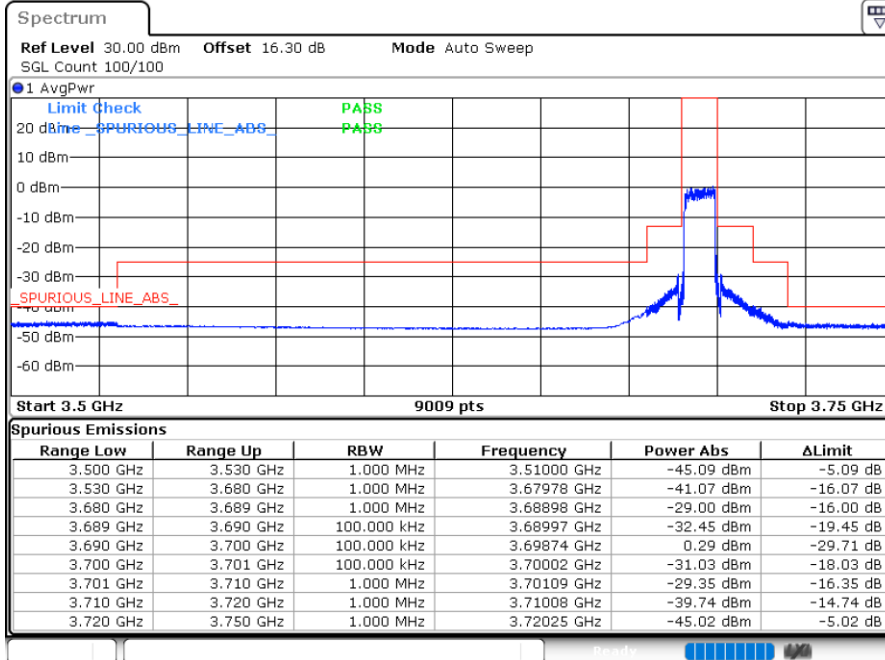
Highest Channel / 1RBmax



Date: 6.MAY.2023 22:31:37

Date: 6.MAY.2023 22:30:57

Highest Channel / FullRB



Date: 6.MAY.2023 22:29:21

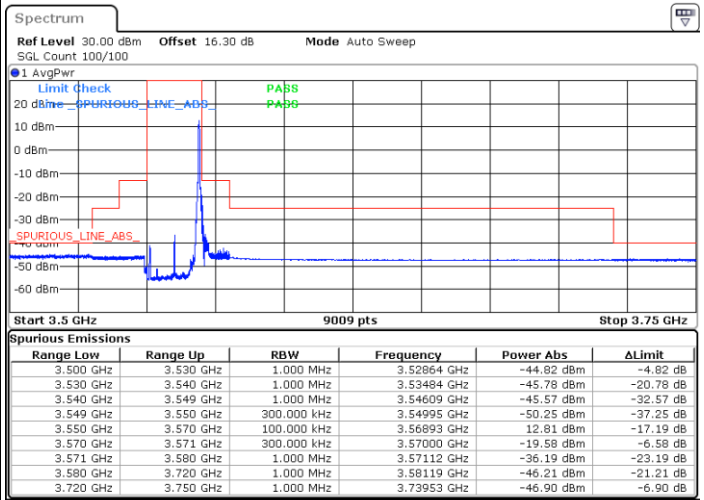
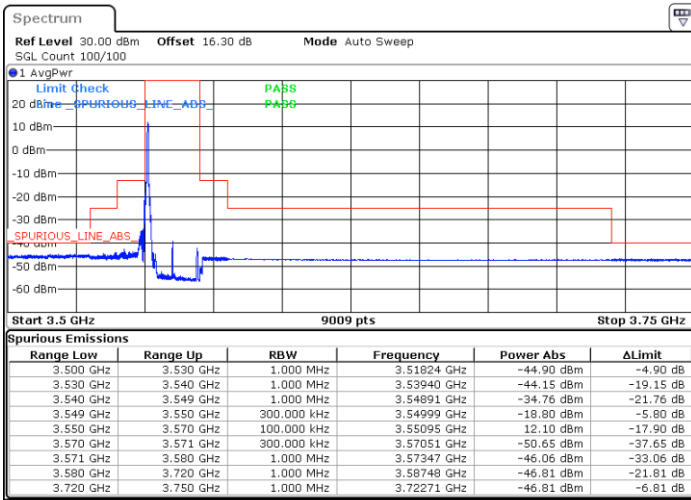


FR1 Part 96 n48 / 20MHz

QPSK

Lowest Channel / 1RB0

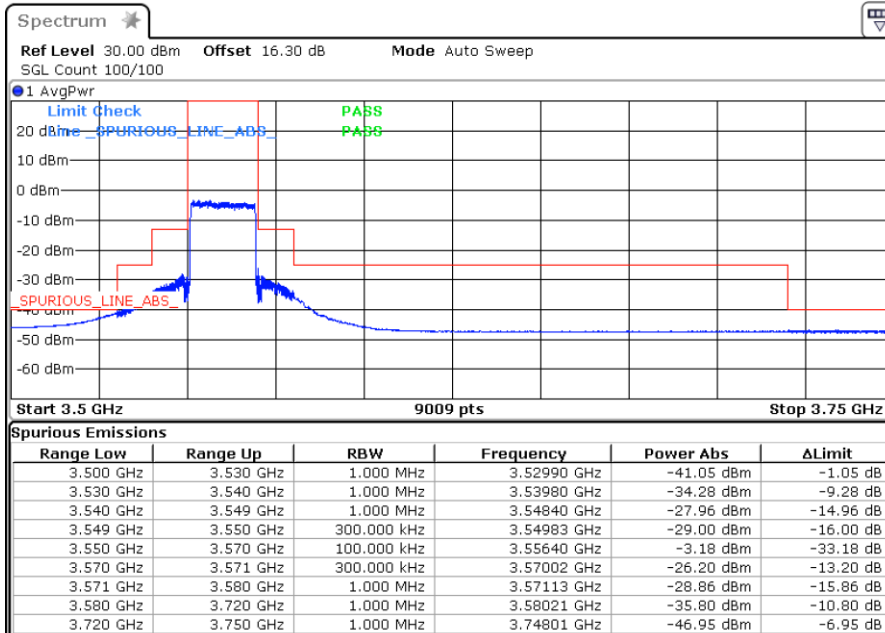
Lowest Channel / 1RBmax



Date: 7.MAY.2023 02:05:37

Date: 7.MAY.2023 02:06:57

Lowest Channel / FullIRB



Date: 7.MAY.2023 02:09:08



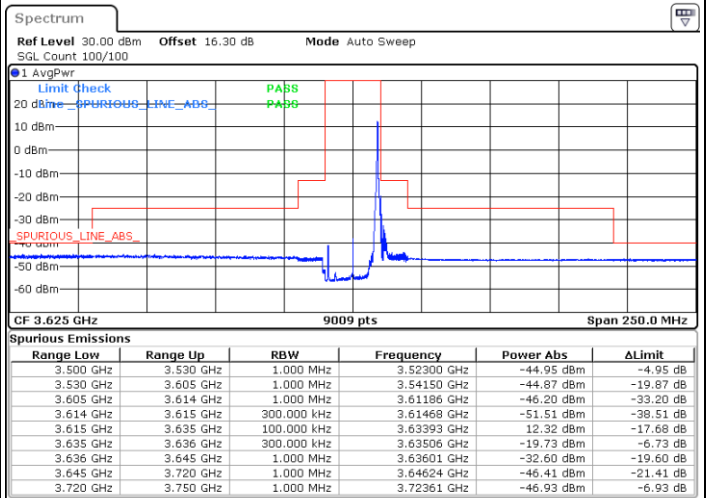
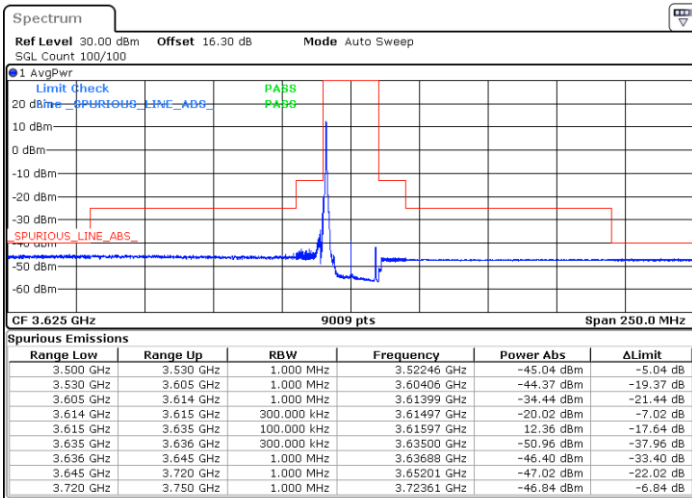


FR1 Part 96 n48 / 20MHz

QPSK

Middle Channel / 1RB0

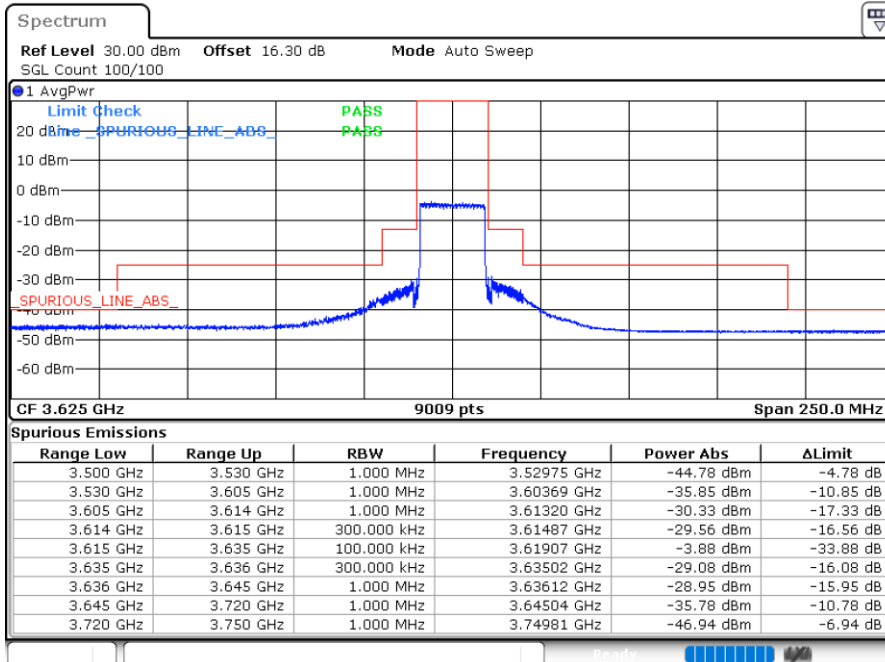
Middle Channel / 1RBmax



Date: 7.MAY.2023 01:54:36

Date: 7.MAY.2023 01:52:52

Middle Channel / FullIRB



Date: 7.MAY.2023 01:52:12

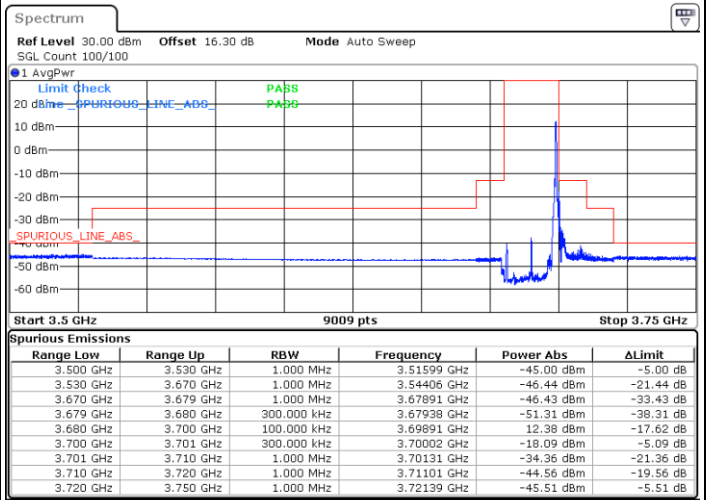
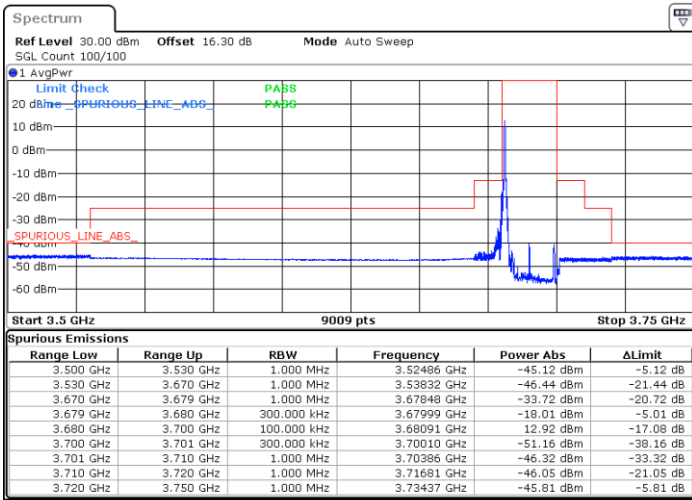


FR1 Part 96 n48 / 20MHz

QPSK

Highest Channel / 1RB0

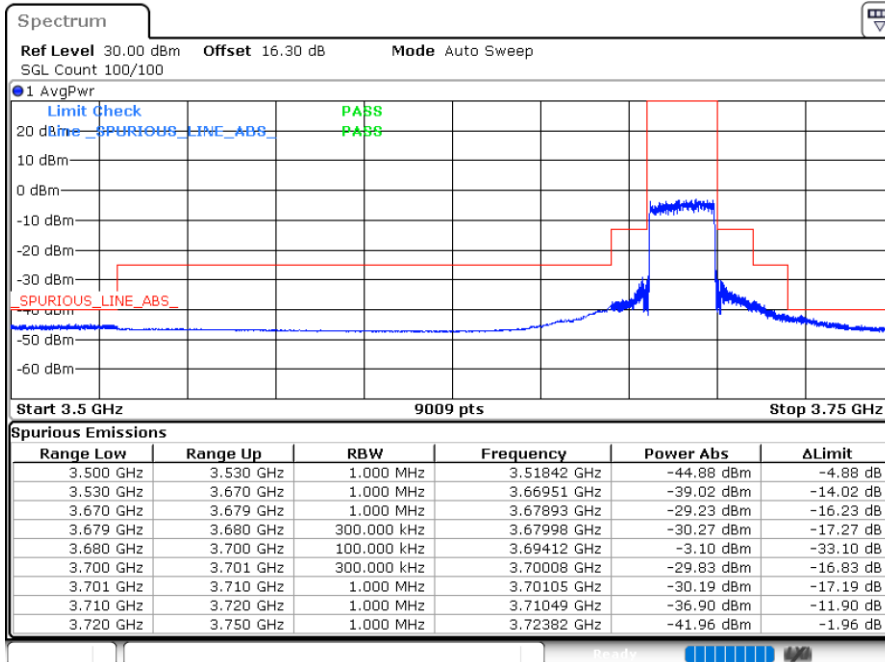
Highest Channel / 1RBmax



Date: 7.MAY.2023 01:48:09

Date: 7.MAY.2023 01:50:10

Highest Channel / FullRB



Date: 7.MAY.2023 01:50:34

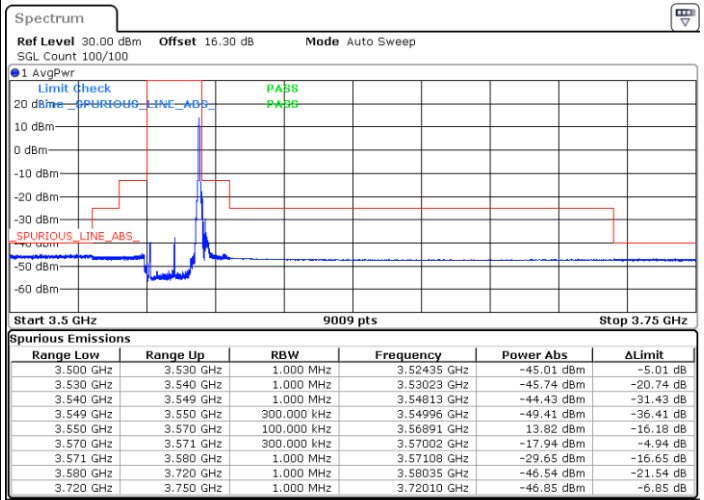
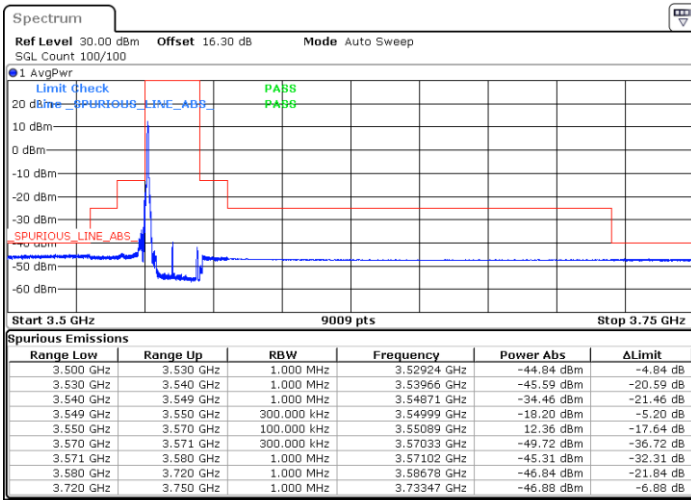


FR1 Part 96 n48 / 20MHz

16QAM

Lowest Channel / 1RB0

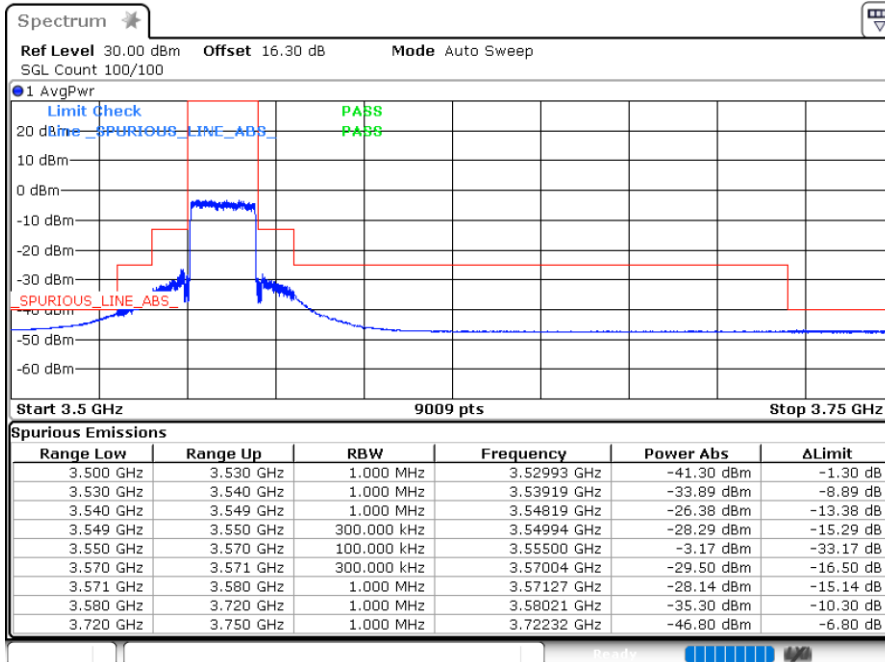
Lowest Channel / 1RBmax



Date: 7.MAY.2023 02:06:03

Date: 7.MAY.2023 02:06:30

Lowest Channel / FullIRB



Date: 7.MAY.2023 02:12:06

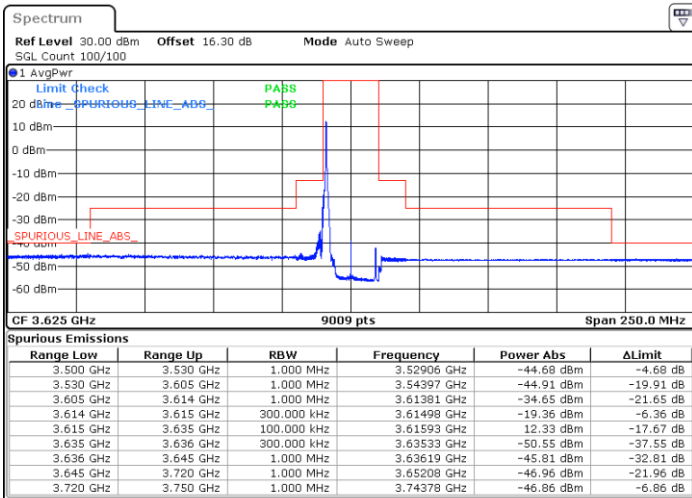


FR1 Part 96 n48 / 20MHz

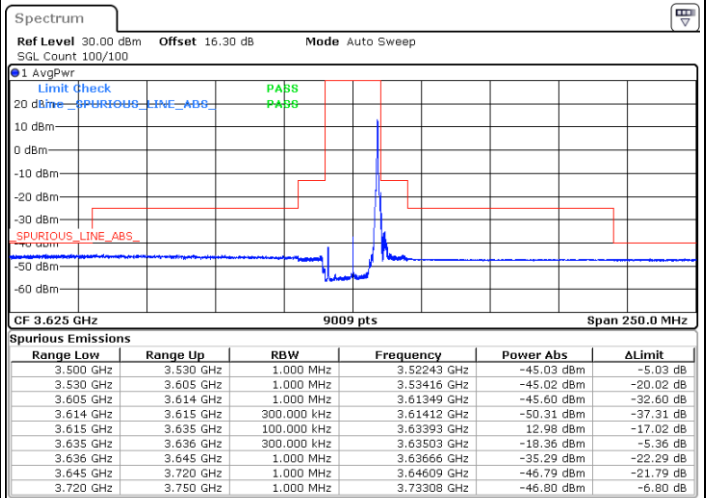
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

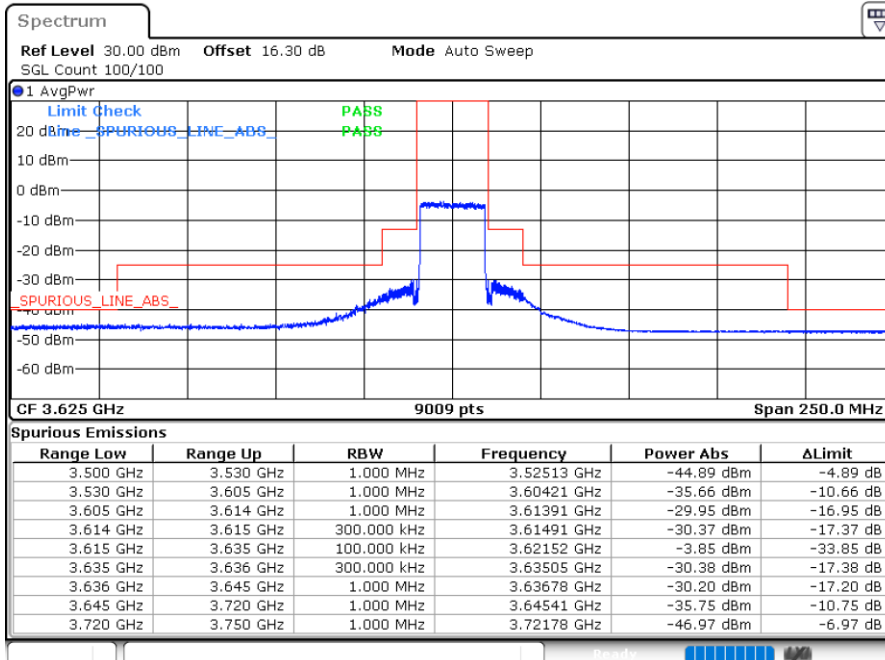


Date: 7.MAY.2023 01:54:02



Date: 7.MAY.2023 01:53:29

Middle Channel / FullIRB



Date: 7.MAY.2023 01:51:37