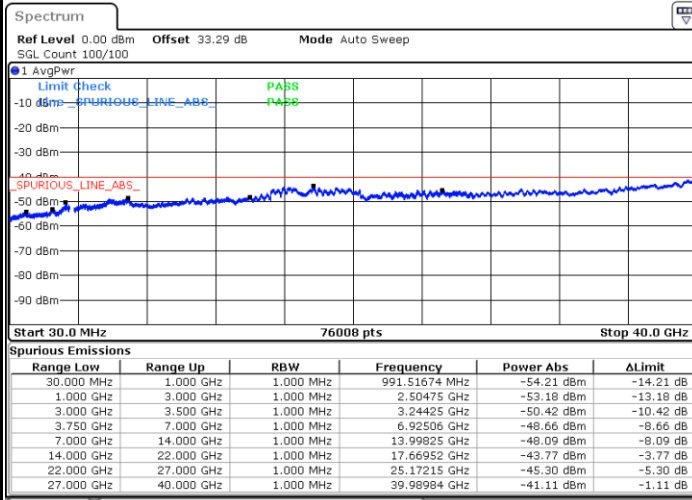




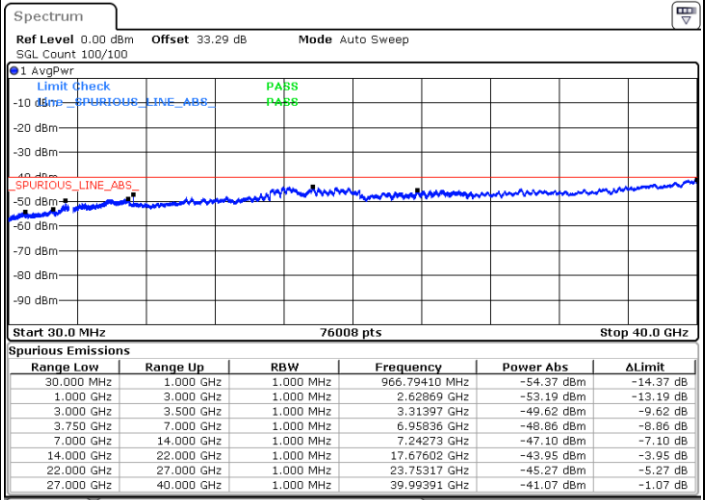
FR1 n48 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



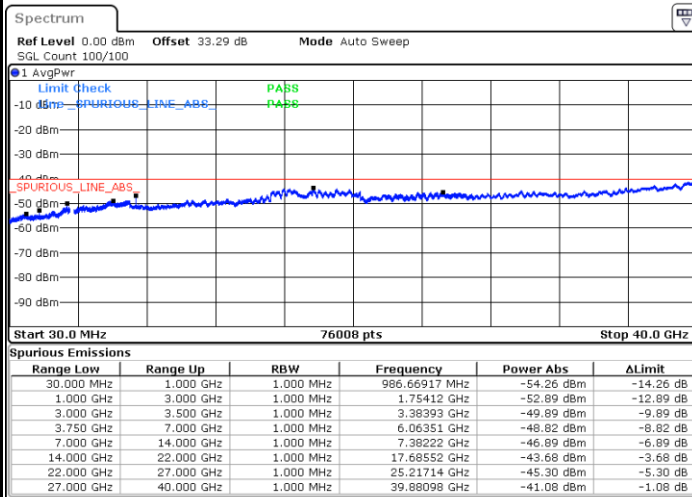
Date: 9.MAY.2023 07:39:43

Middle Channel / 1RB



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

Highest Channel / 1RB

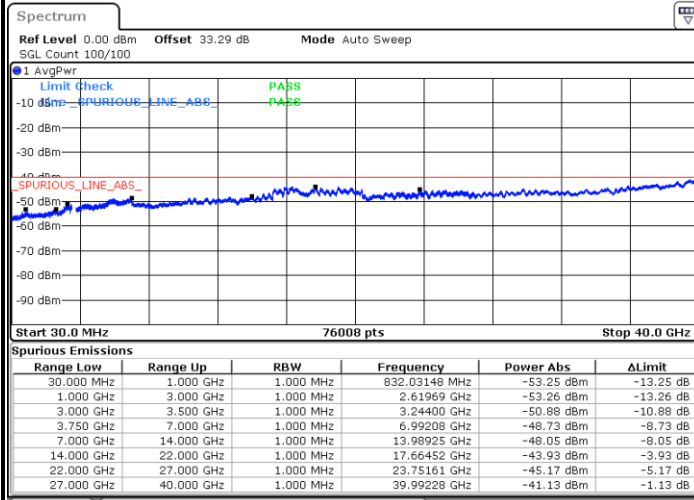


Date: 9.MAY.2023 07:44:27



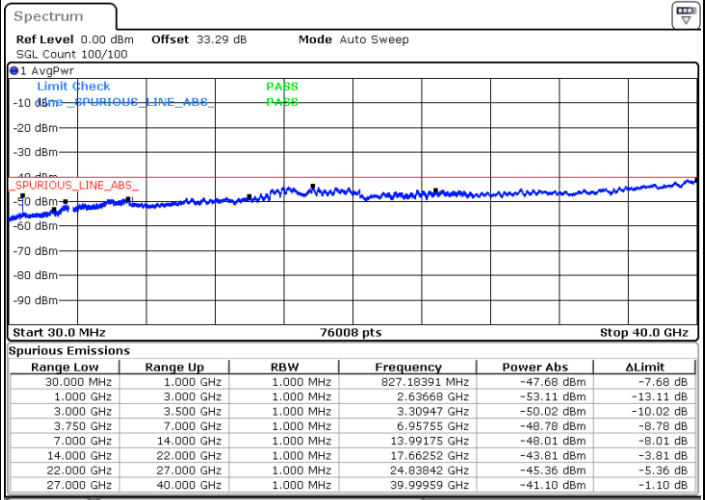
FR1 n48 / 20MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



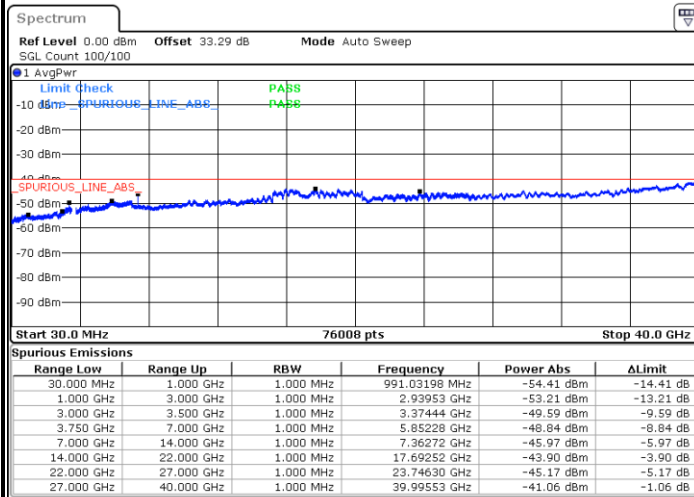
Date: 9.MAY.2023 07:22:35

Middle Channel / 1RB



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

Highest Channel / 1RB

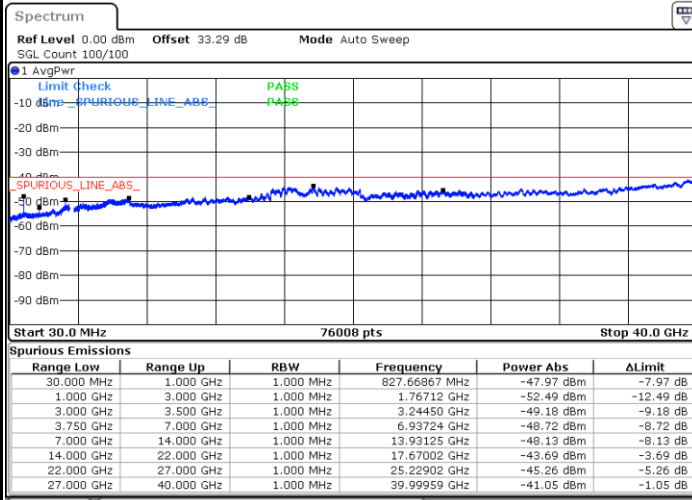


Date: 9.MAY.2023 07:30:53



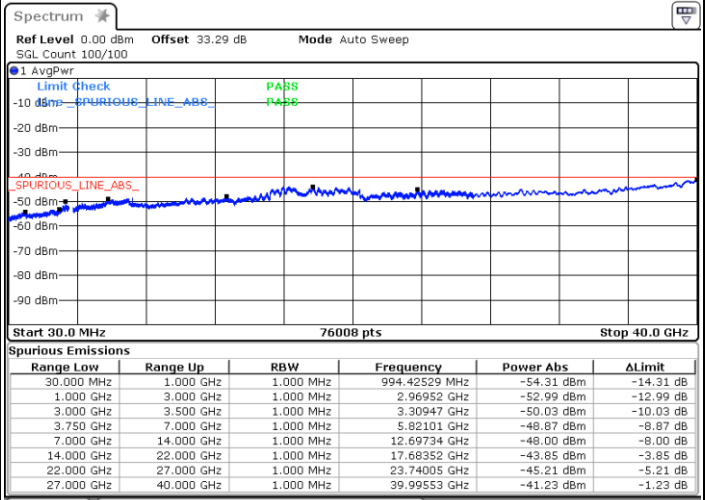
FR1 n48 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



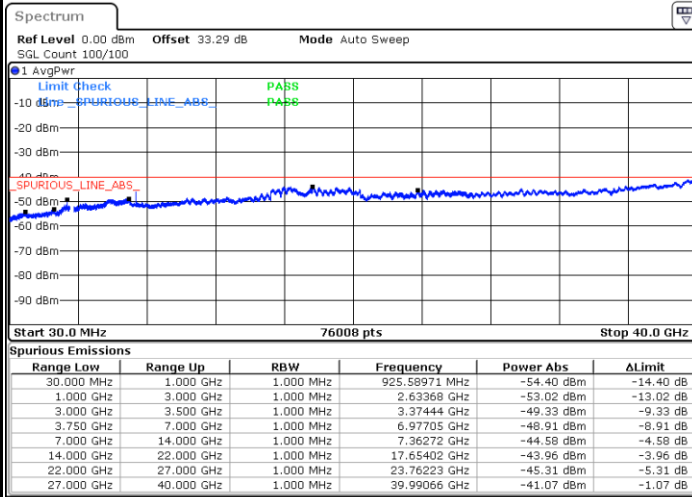
Date: 9.MAY.2023 07:21:19

Middle Channel / 1RB



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

Highest Channel / 1RB

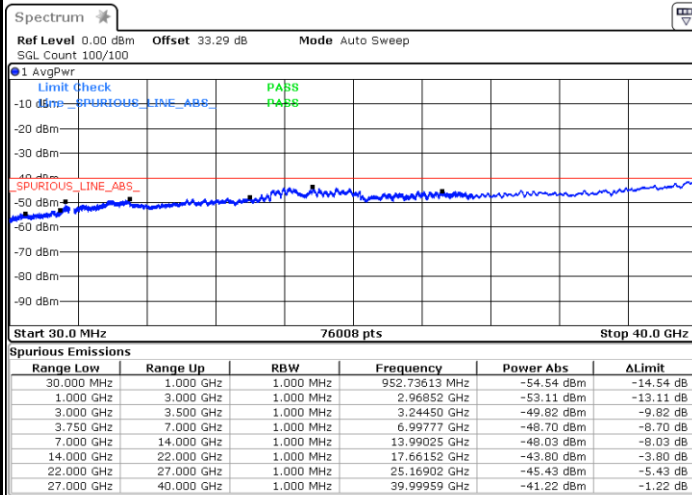


Date: 9.MAY.2023 07:29:28



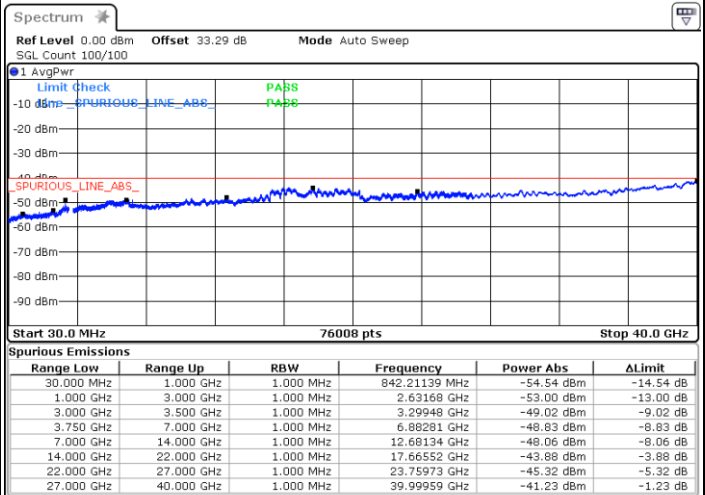
FR1 n48 / 40MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



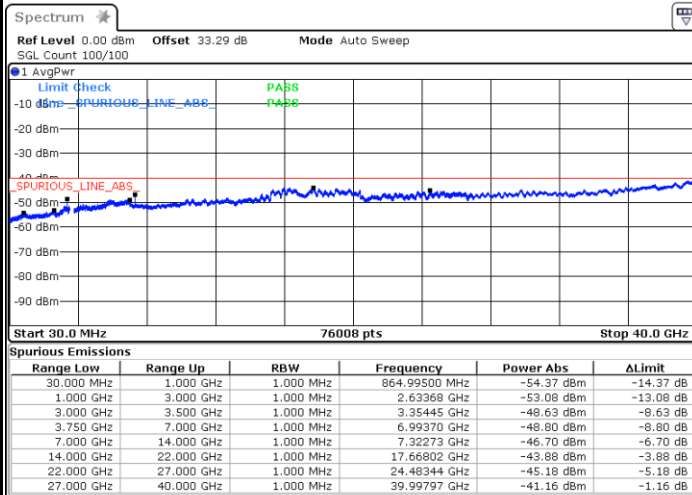
Date: 9.MAY.2023 07:15:09

Middle Channel / 1RB



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

Highest Channel / 1RB

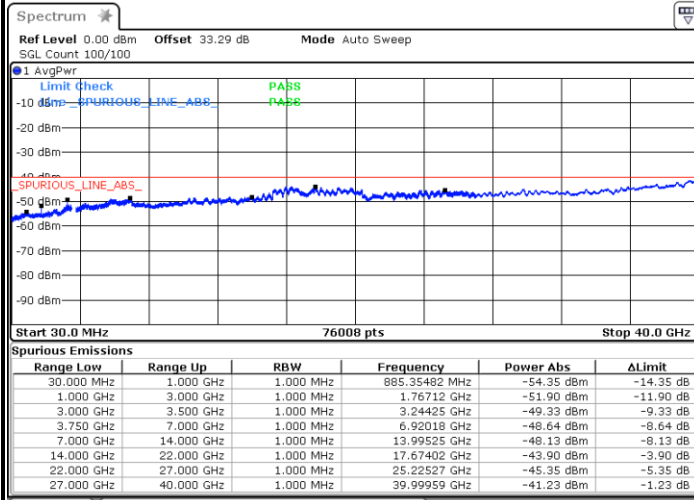


Date: 9.MAY.2023 07:04:06



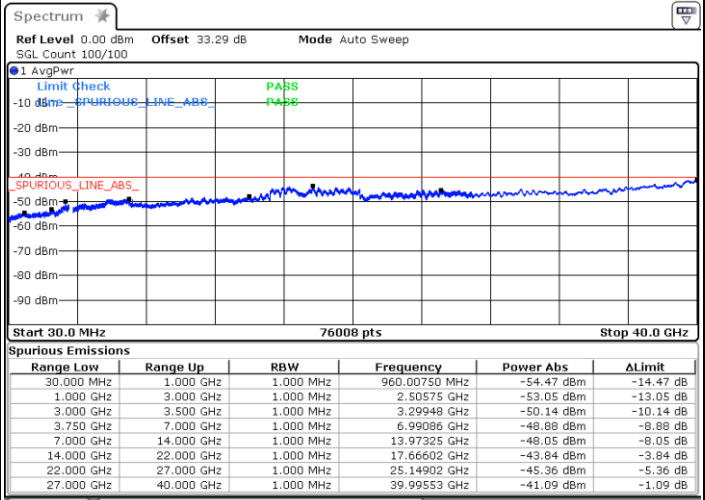
FR1 n48 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



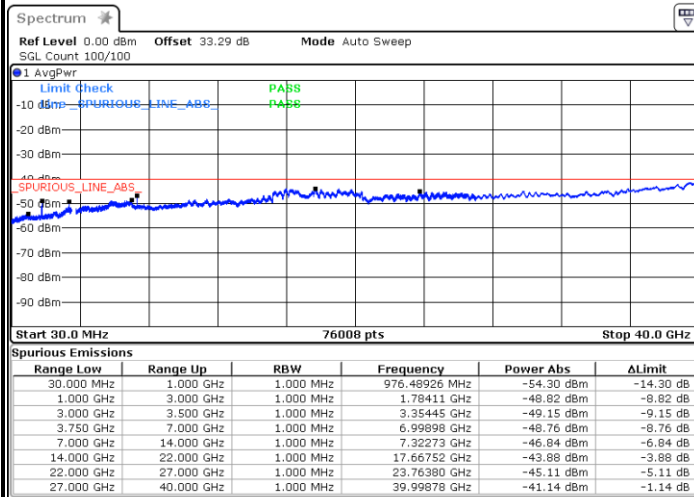
Date: 9.MAY.2023 07:18:28

Middle Channel / 1RB



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:

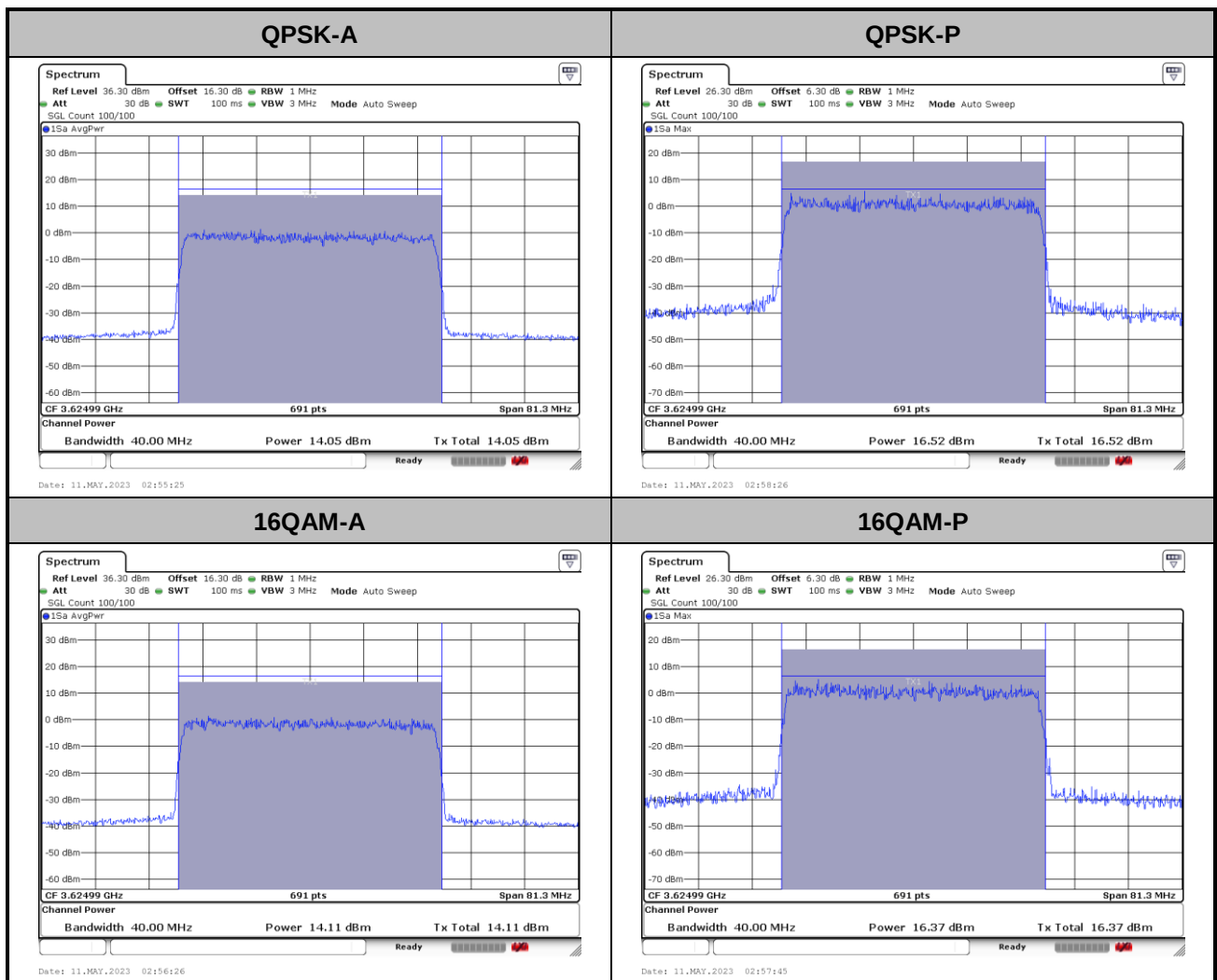
1. Normal Voltage =24V. ; Minimum Voltage =20 V. ; Maximum Voltage =28 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n48 MIMO – ANT0

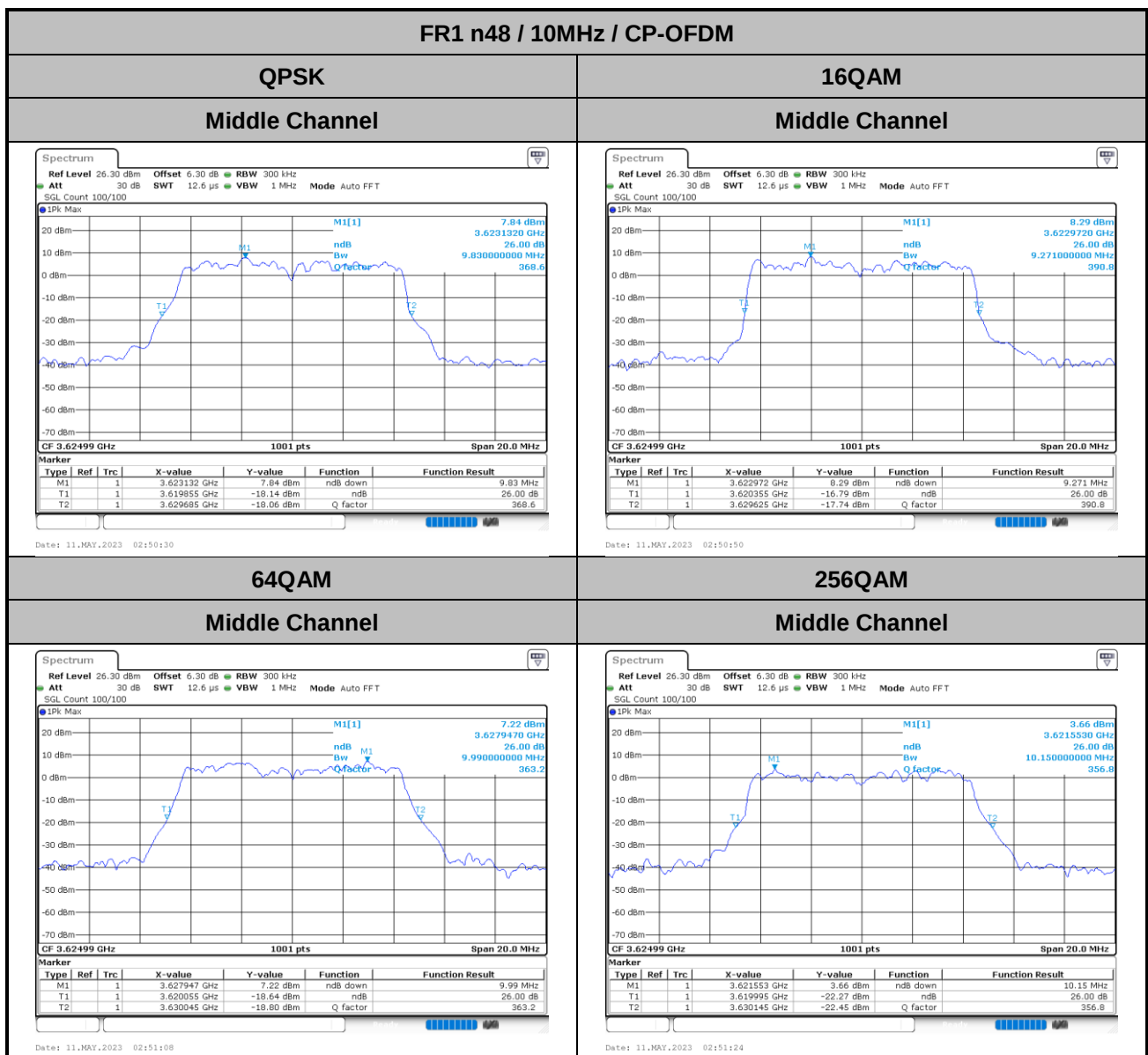
Peak-to-Average Ratio

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

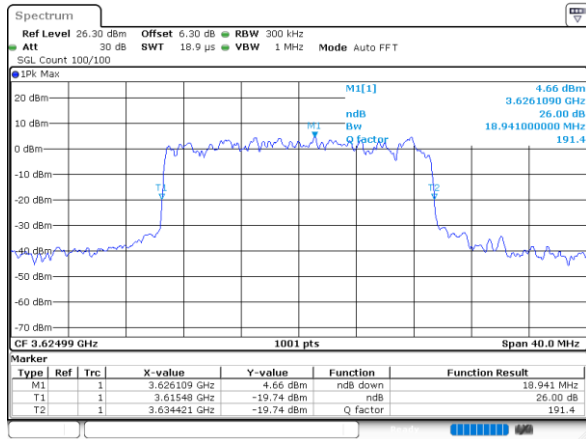




FR1 n48 / 20MHz / CP-OFDM

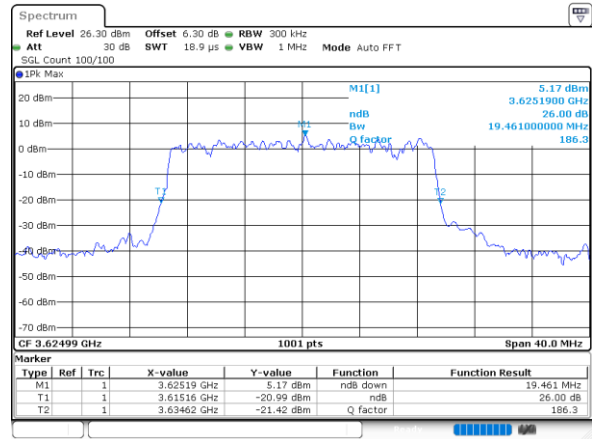
QPSK

Middle Channel



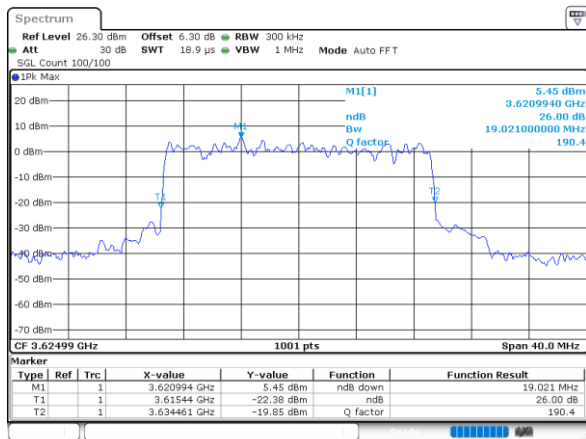
16QAM

Middle Channel



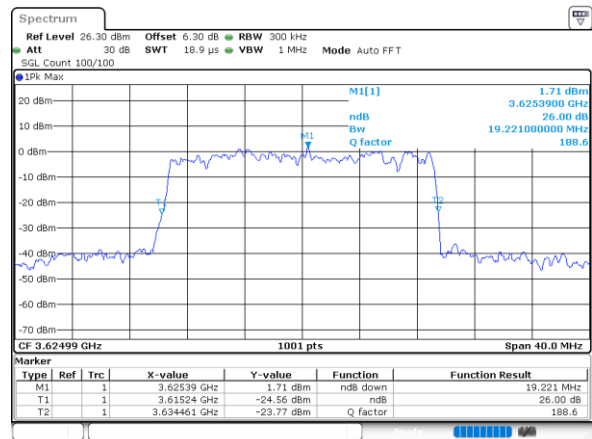
64QAM

Middle Channel



256QAM

Middle Channel

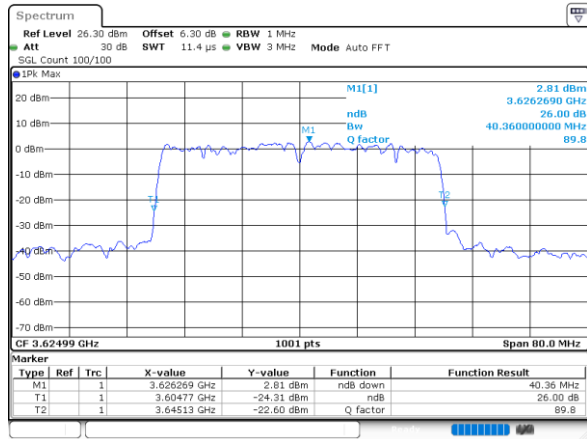




FR1 n48 / 40MHz / CP-OFDM

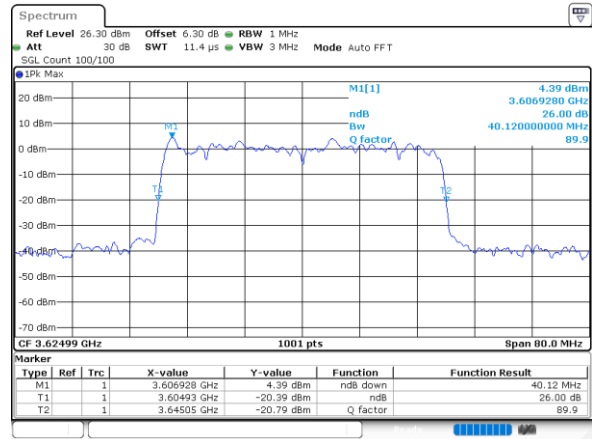
QPSK

Middle Channel



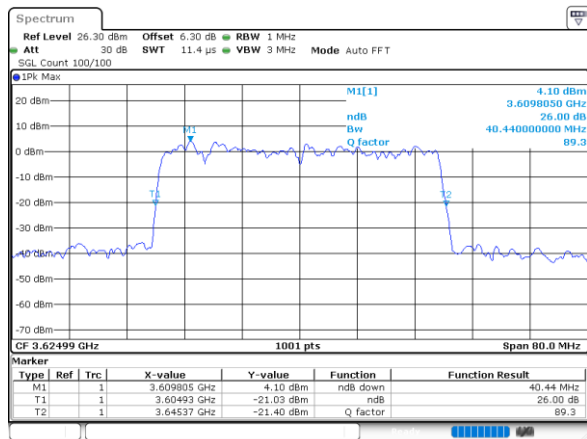
16QAM

Middle Channel



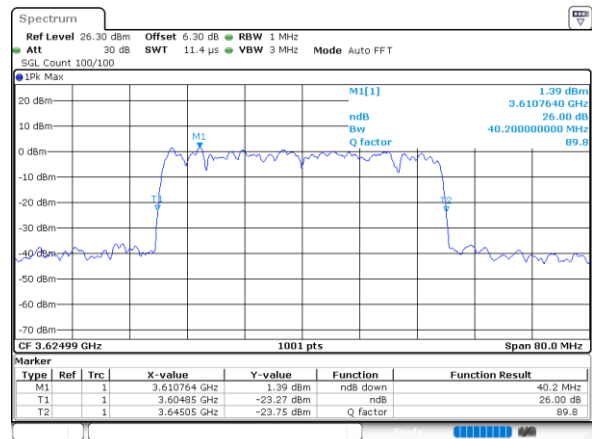
64QAM

Middle Channel



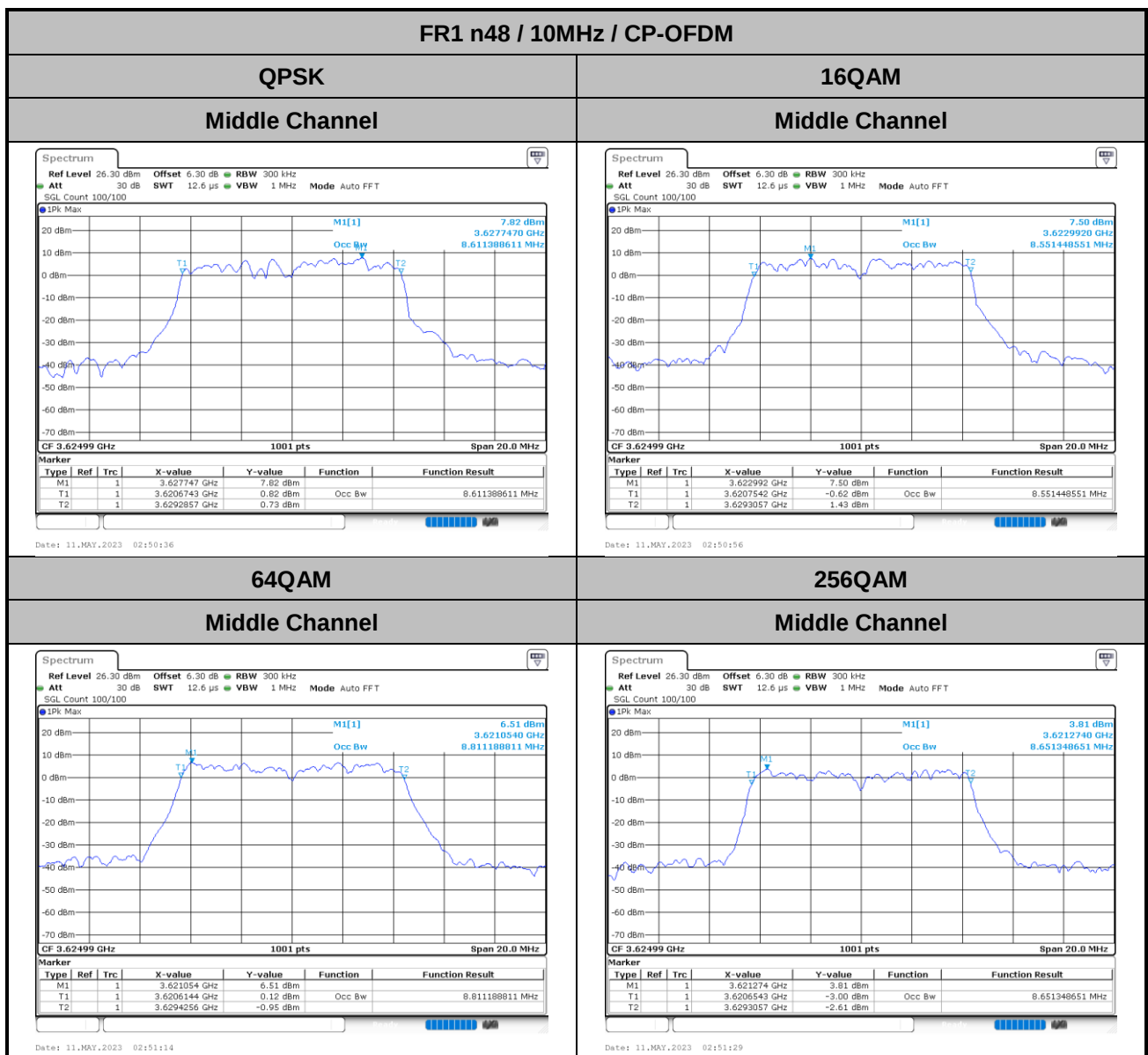
256QAM

Middle Channel



**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

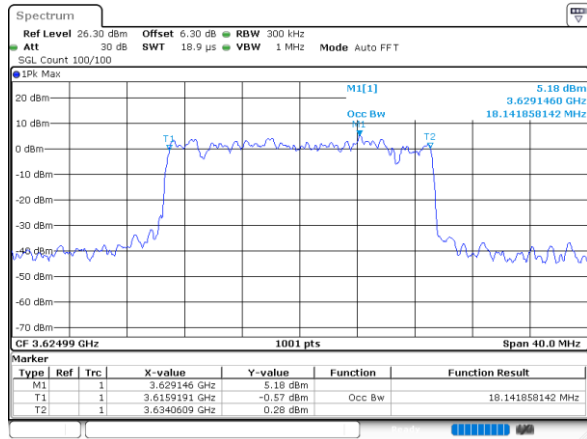




FR1 n48 / 20MHz / CP-OFDM

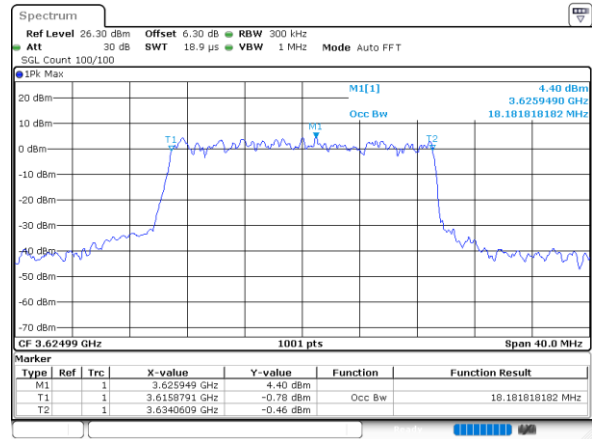
QPSK

Middle Channel



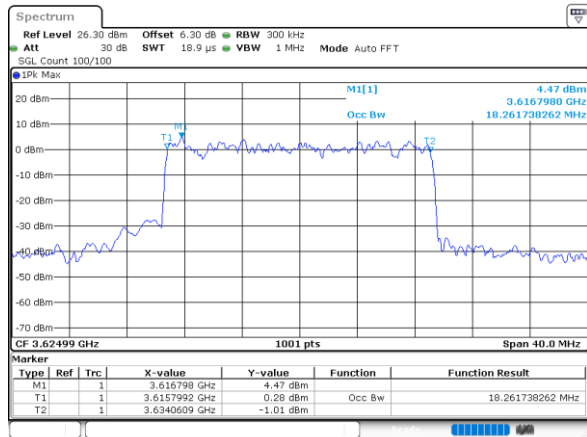
16QAM

Middle Channel



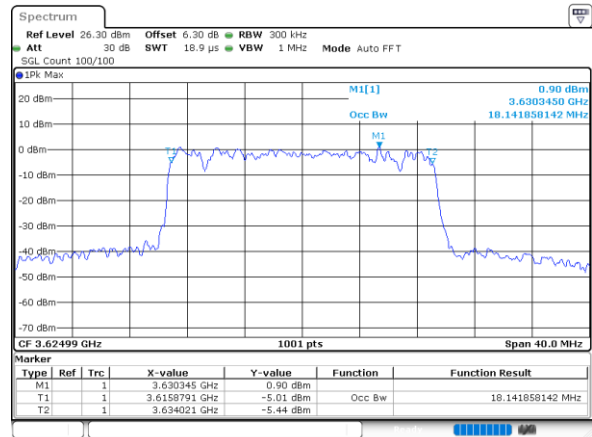
64QAM

Middle Channel



256QAM

Middle Channel

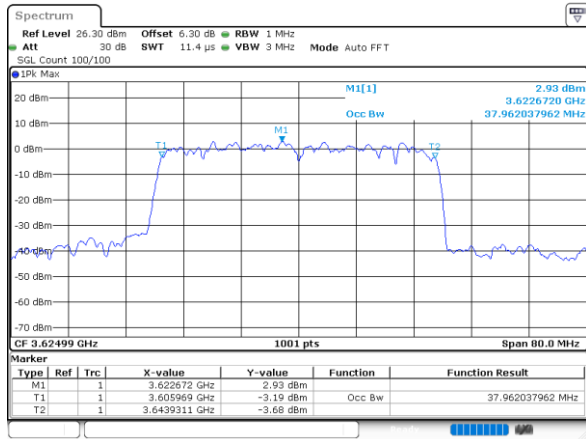




FR1 n48 / 40MHz / CP-OFDM

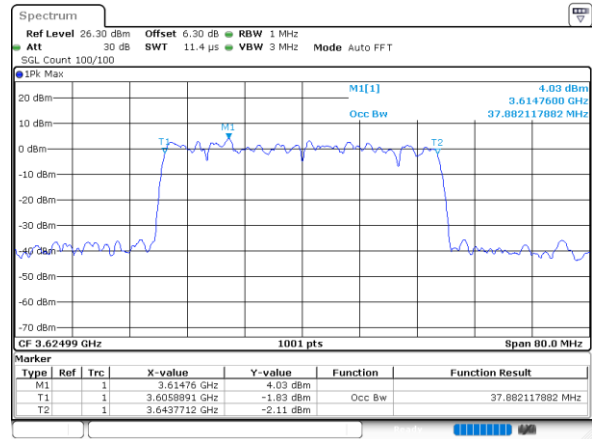
QPSK

Middle Channel



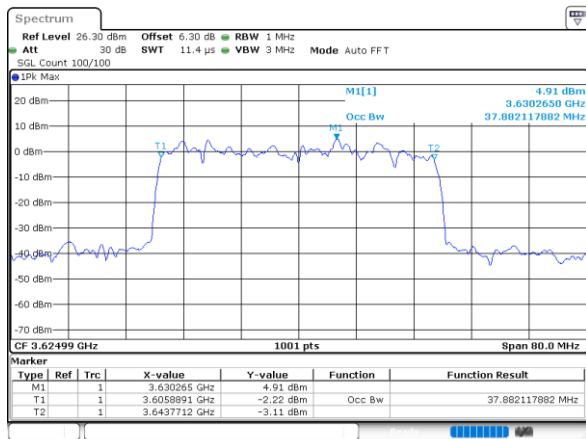
16QAM

Middle Channel



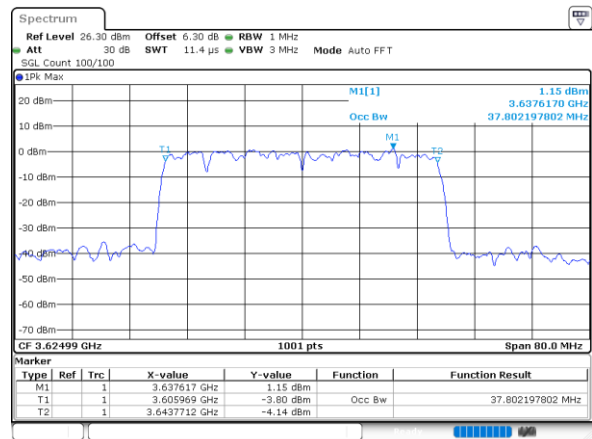
64QAM

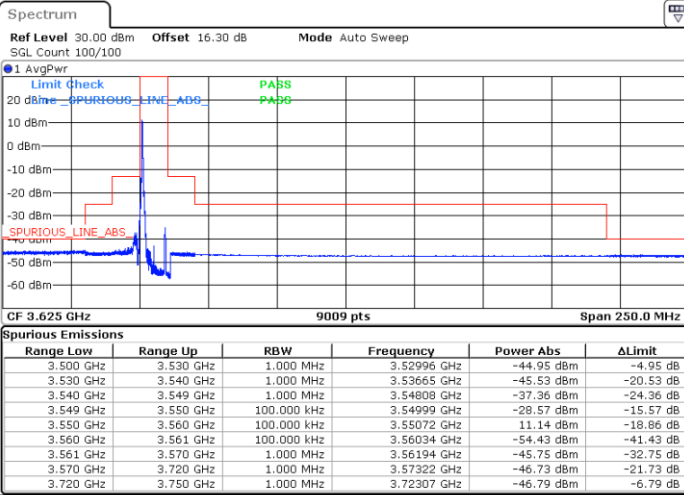
Middle Channel



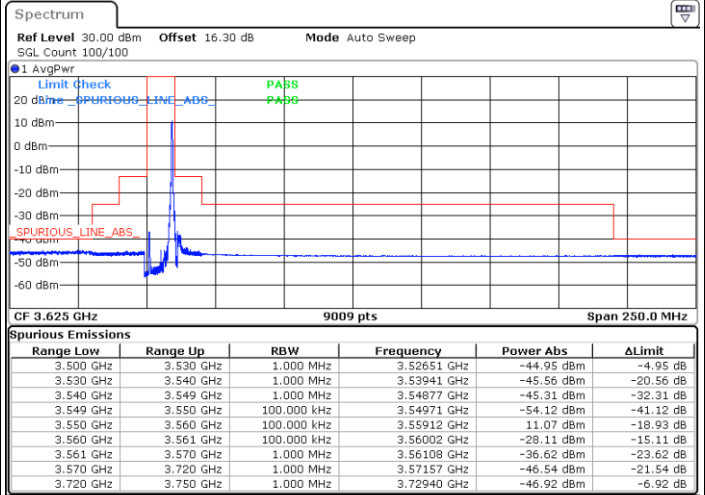
256QAM

Middle Channel

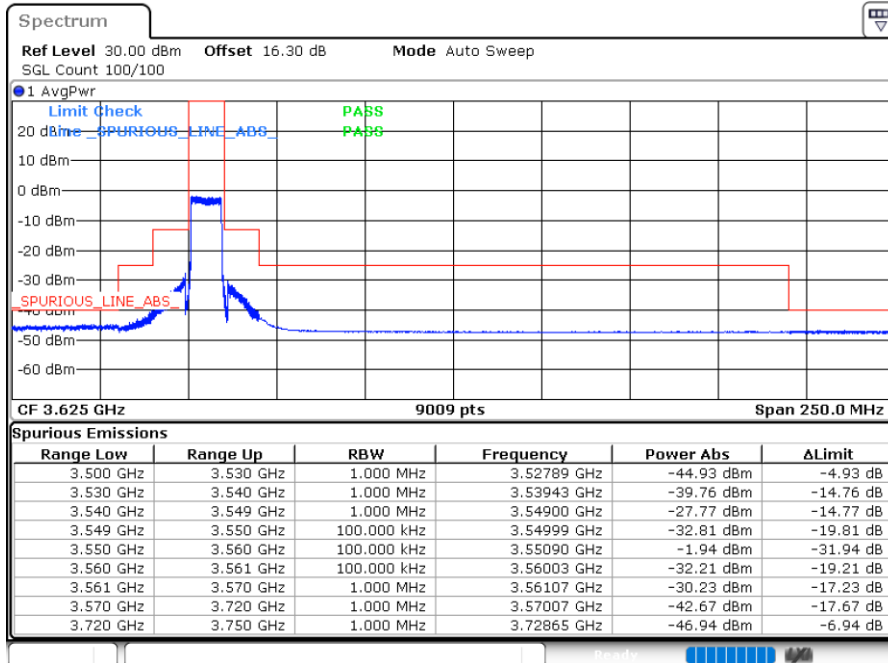


**Conducted Band Edge****FR1 Part 96 n48 / 10MHz****QPSK****Lowest Channel / 1RB0****Lowest Channel / 1RBmax**

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



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

Lowest Channel / FullRB

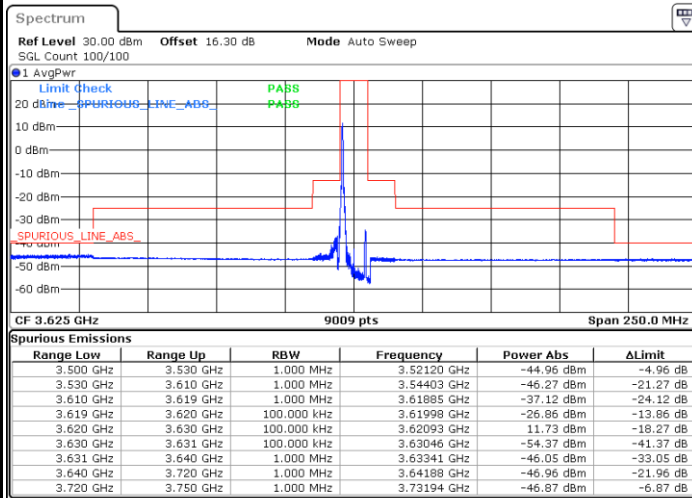
Date: 6.MAY.2023 23:53:16



FR1 Part 96 n48 / 10MHz

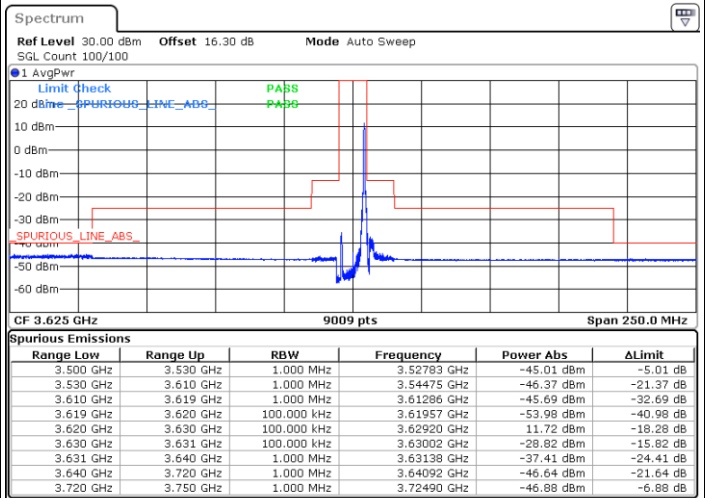
QPSK

Middle Channel / 1RB0



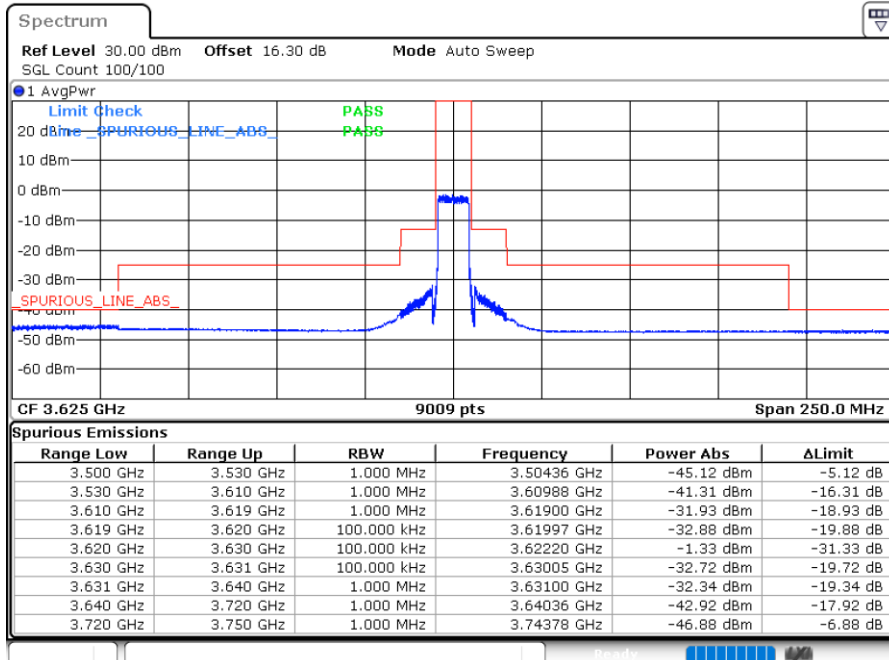
Date: 6.MAY.2023 23:57:05

Middle Channel / 1RBmax



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

Middle Channel / FullRB



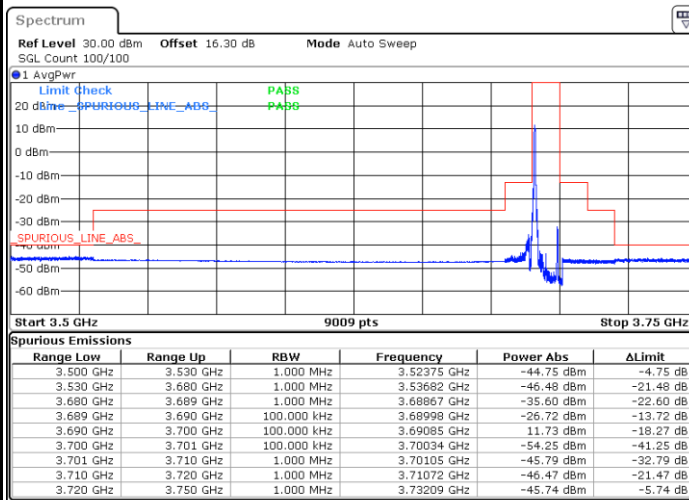
Date: 6.MAY.2023 23:55:02



FR1 Part 96 n48 / 10MHz

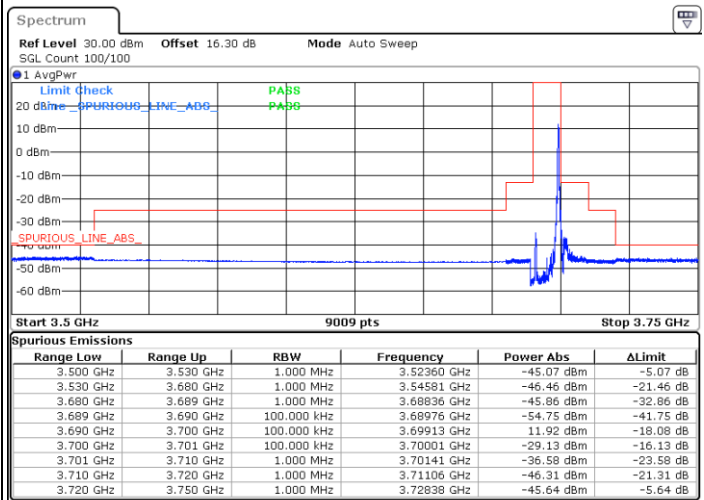
QPSK

Highest Channel / 1RB0



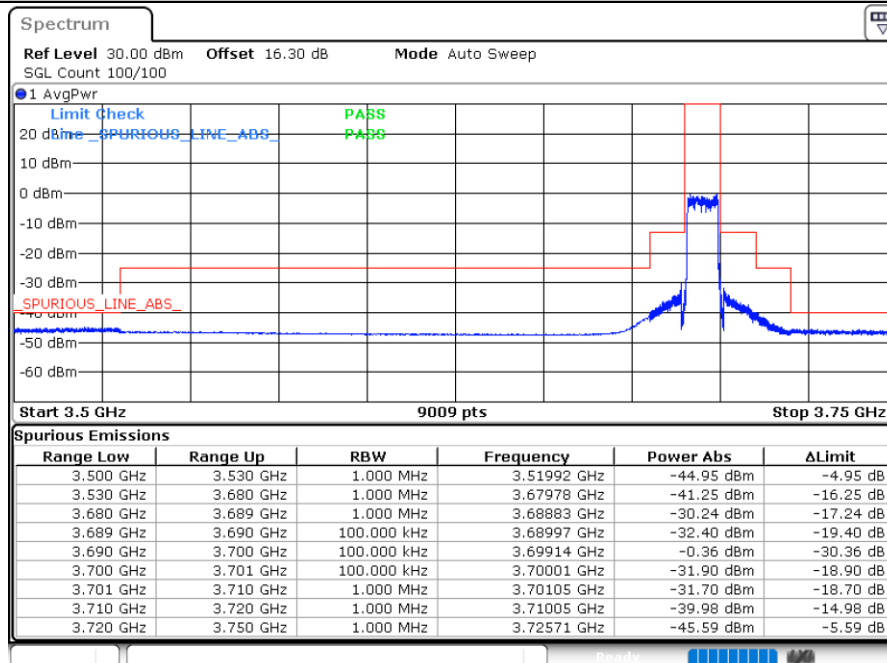
Date: 7.MAY.2023 00:15:06

Highest Channel / 1RBmax



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

Highest Channel / FullRB



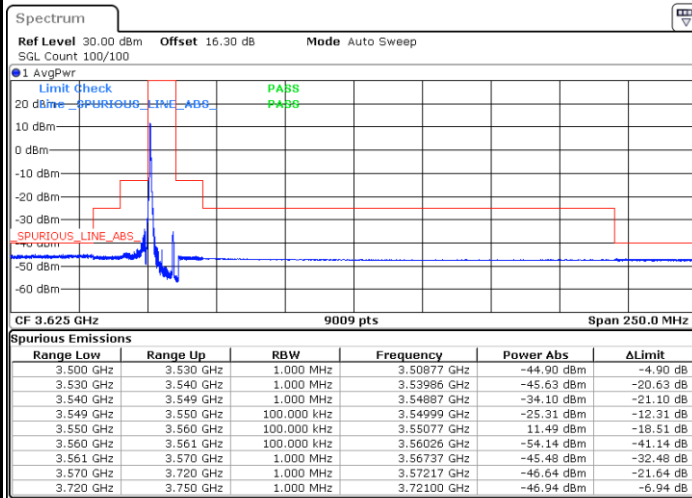
Date: 7.MAY.2023 00:51:56



FR1 Part 96 n48 / 10MHz

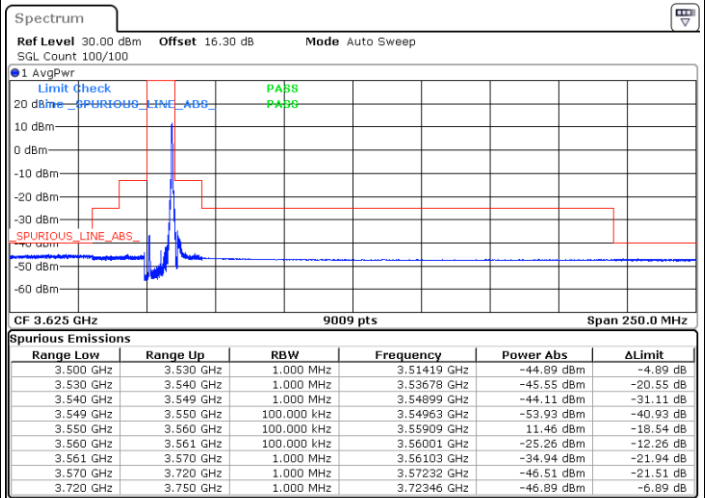
16QAM

Lowest Channel / 1RB0



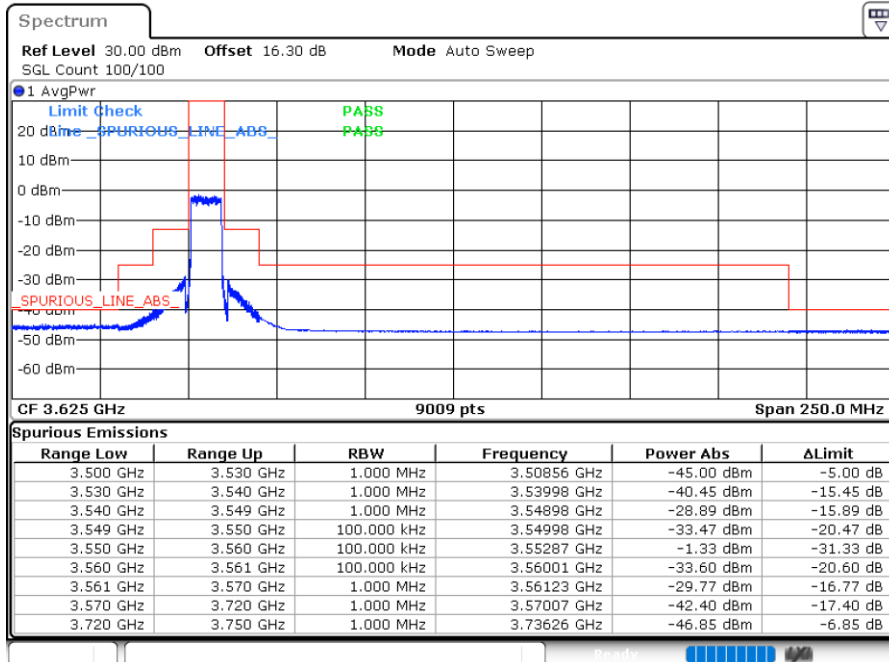
Date: 6.MAY.2023 23:51:14

Lowest Channel / 1RBmax



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

Lowest Channel / FullIRB



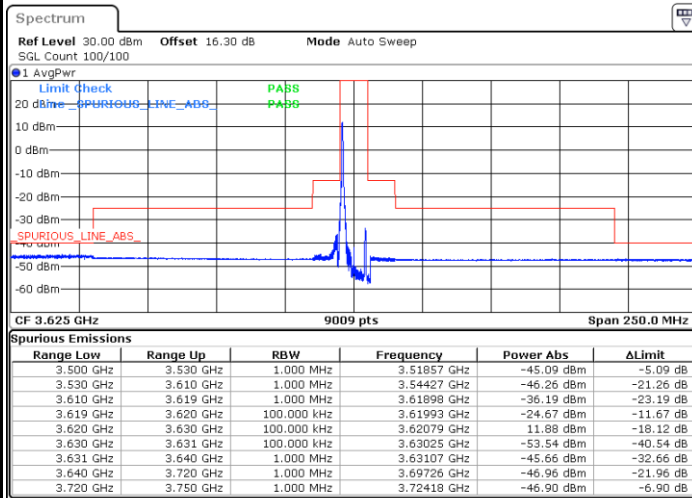
Date: 6.MAY.2023 23:53:52



FR1 Part 96 n48 / 10MHz

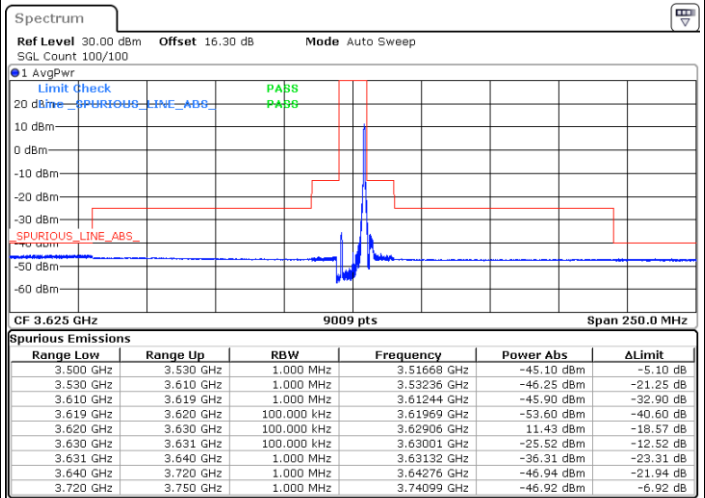
16QAM

Middle Channel / 1RB0



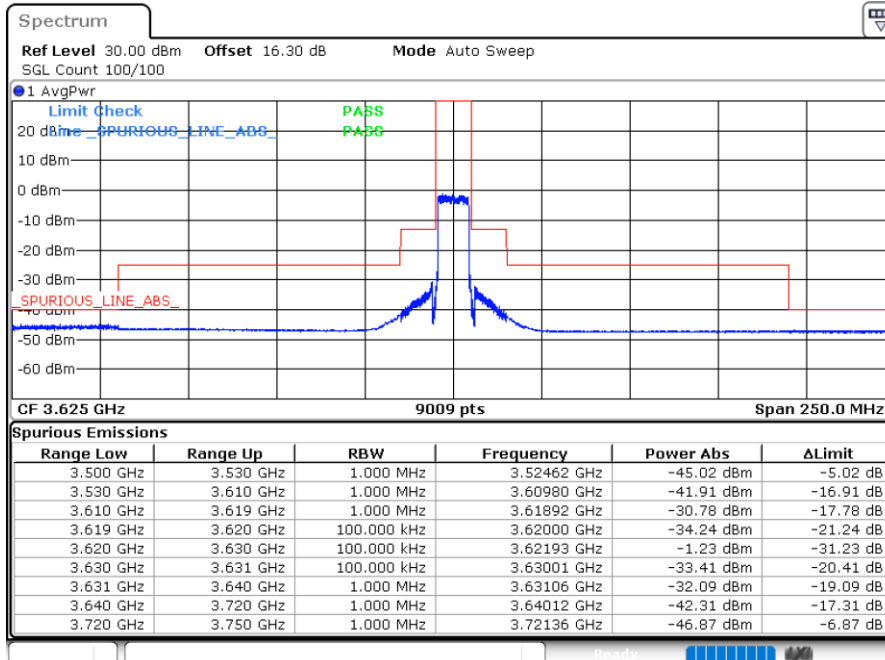
Date: 6.MAY.2023 23:56:36

Middle Channel / 1RBmax



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

Middle Channel / FullIRB



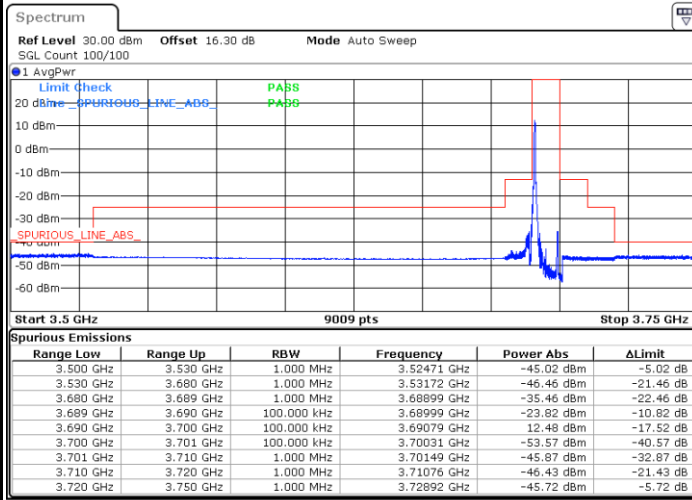
Date: 6.MAY.2023 23:54:32



FR1 Part 96 n48 / 10MHz

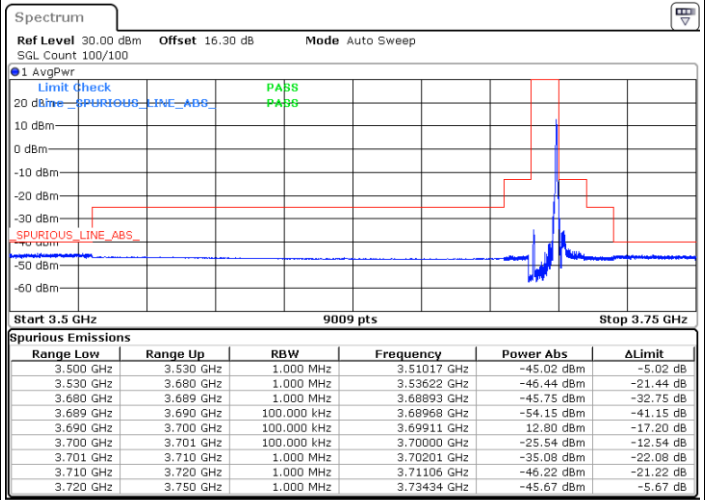
16QAM

Highest Channel / 1RB0



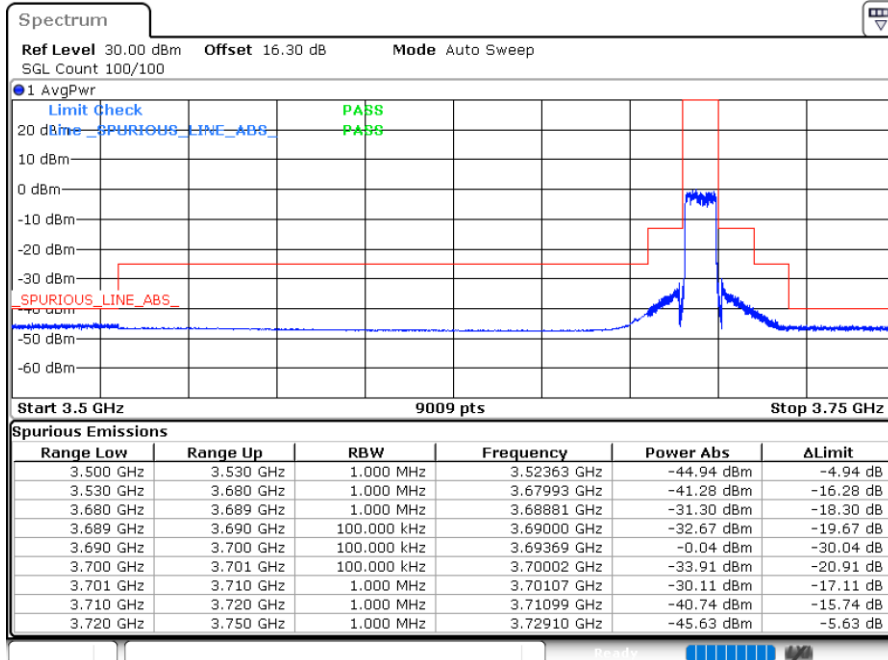
Date: 7.MAY.2023 00:50:33

Highest Channel / 1RBmax



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

Highest Channel / FullRB



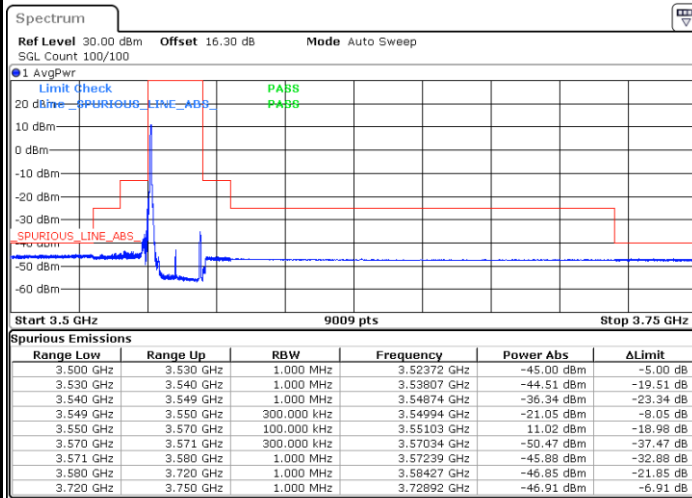
Date: 7.MAY.2023 00:52:22



FR1 Part 96 n48 / 20MHz

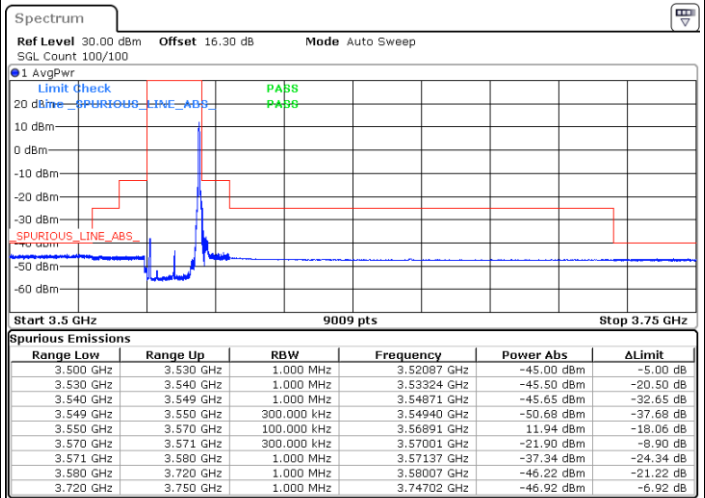
QPSK

Lowest Channel / 1RB0



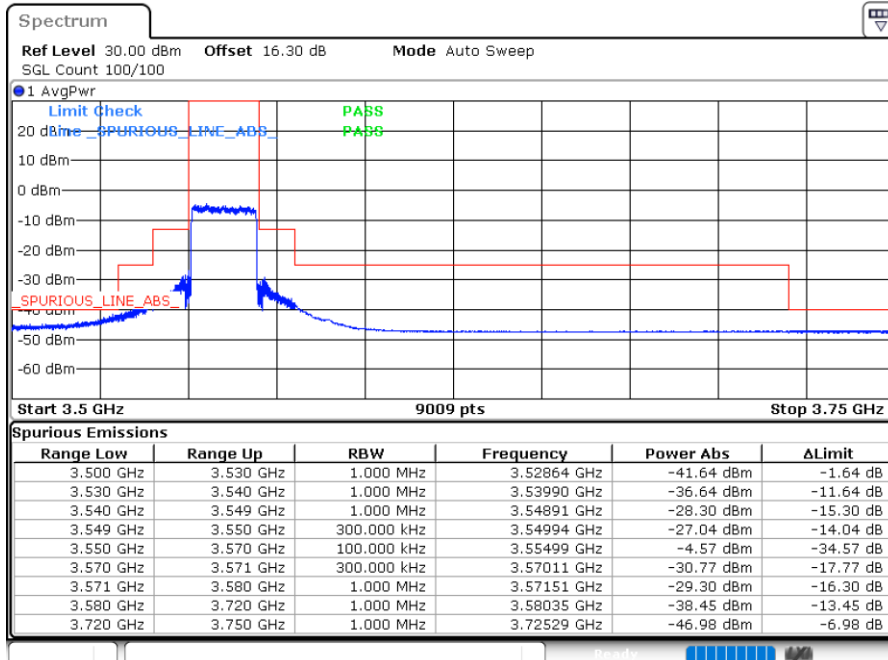
Date: 7.MAY.2023 00:54:03

Lowest Channel / 1RBmax



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

Lowest Channel / FullIRB



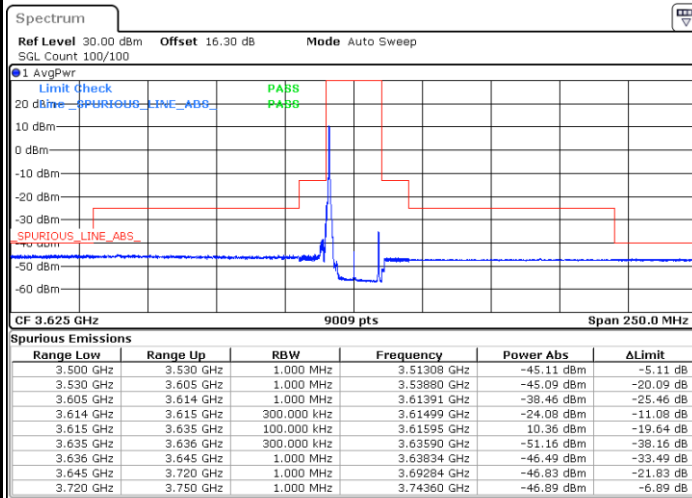
Date: 7.MAY.2023 00:55:55



FR1 Part 96 n48 / 20MHz

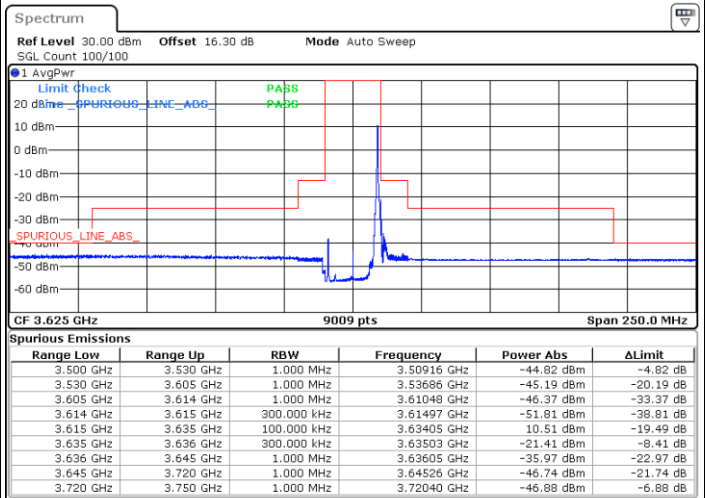
QPSK

Middle Channel / 1RB0



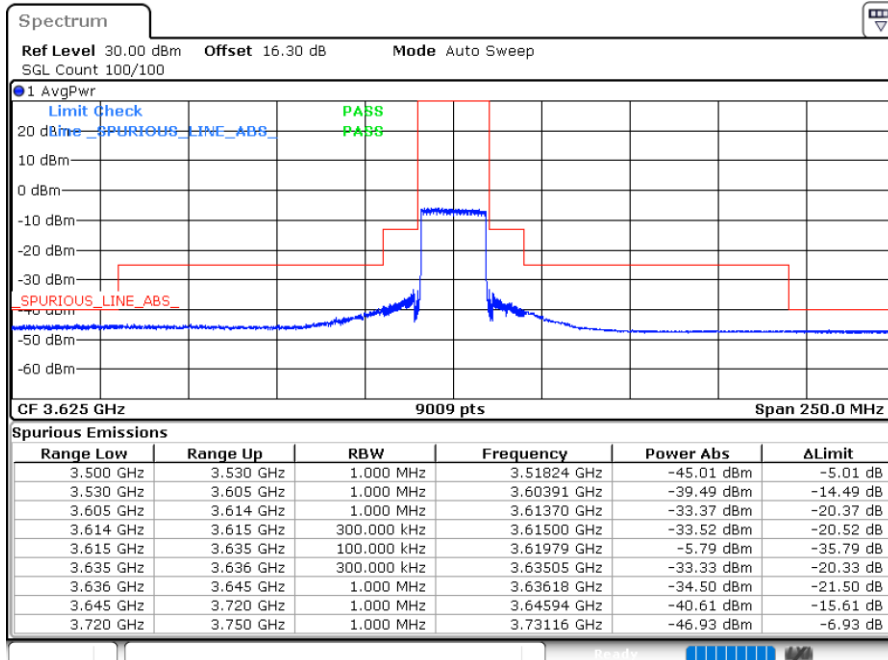
Date: 7.MAY.2023 01:09:59

Middle Channel / 1RBmax



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

Middle Channel / FullRB



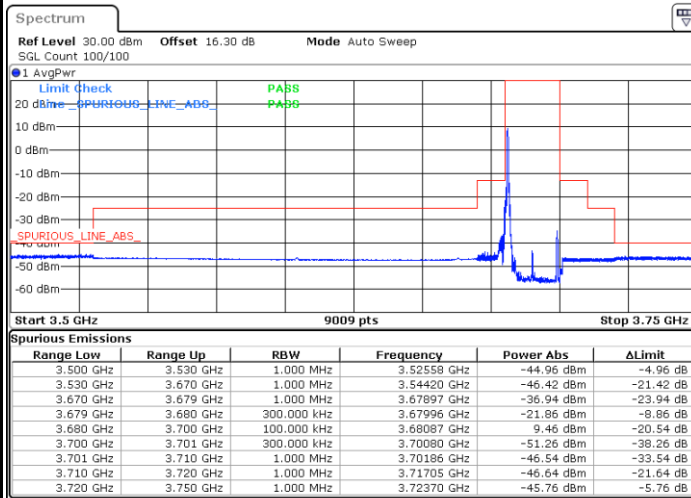
Date: 7.MAY.2023 01:12:18



FR1 Part 96 n48 / 20MHz

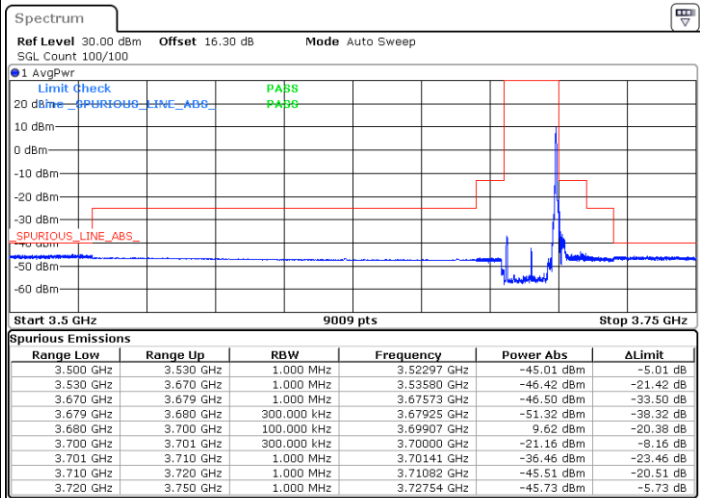
QPSK

Highest Channel / 1RB0



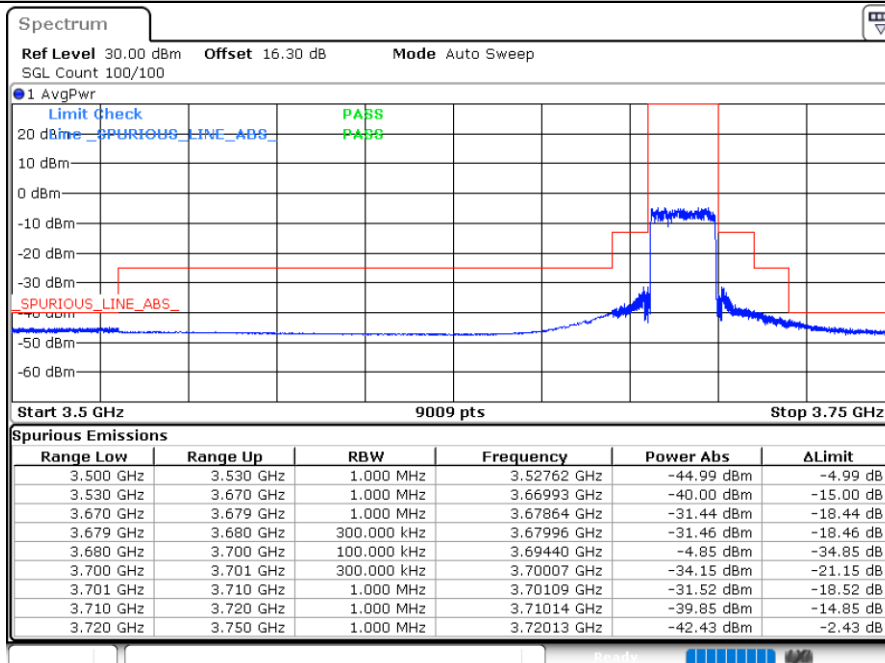
Date: 7.MAY.2023 01:15:37

Highest Channel / 1RBmax



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

Highest Channel / FullRB



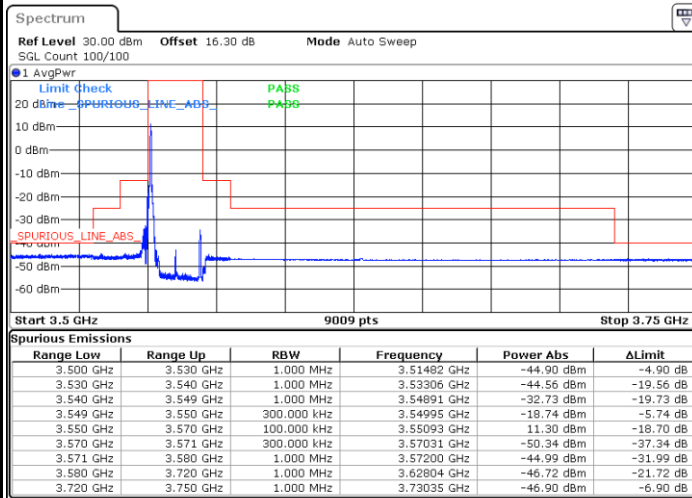
Date: 7.MAY.2023 01:13:50



FR1 Part 96 n48 / 20MHz

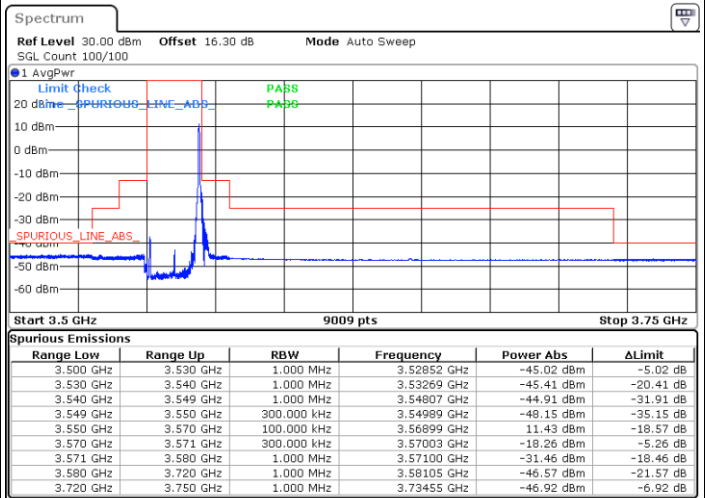
16QAM

Lowest Channel / 1RB0



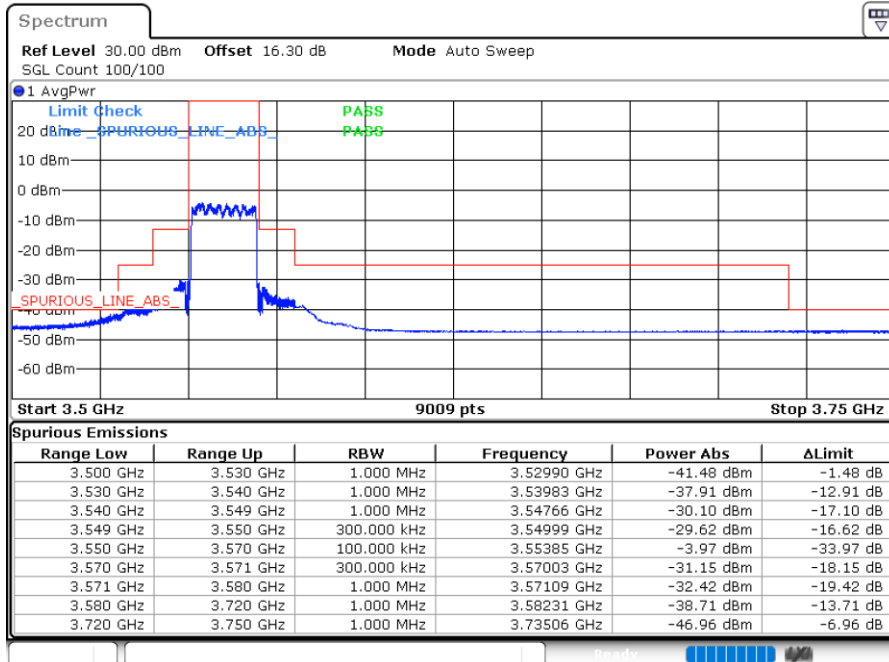
Date: 7.MAY.2023 00:54:31

Lowest Channel / 1RBmax



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

Lowest Channel / FullIRB



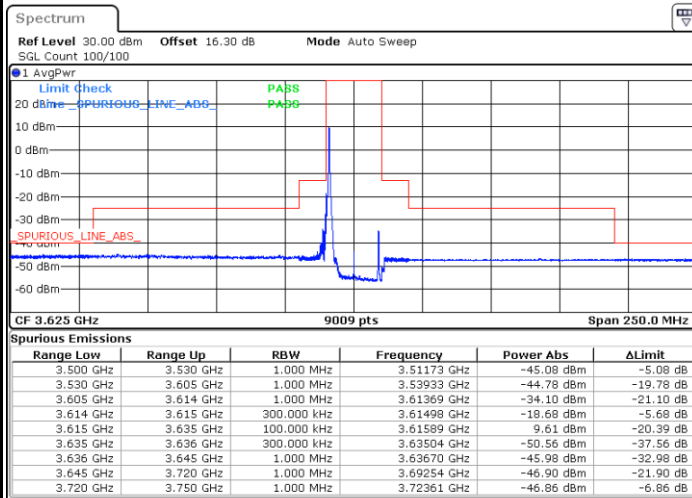
Date: 7.MAY.2023 00:56:24



FR1 Part 96 n48 / 20MHz

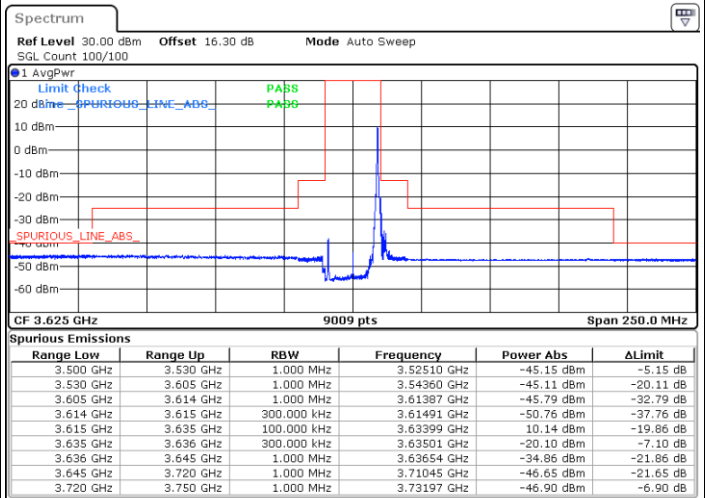
16QAM

Middle Channel / 1RB0



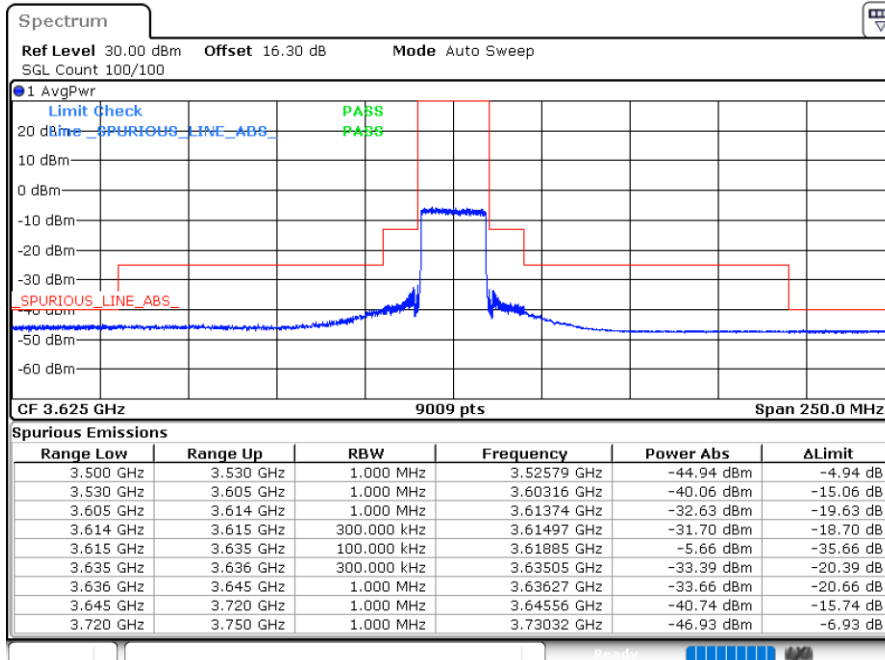
Date: 7.MAY.2023 01:10:34

Middle Channel / 1RBmax



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

Middle Channel / FullIRB



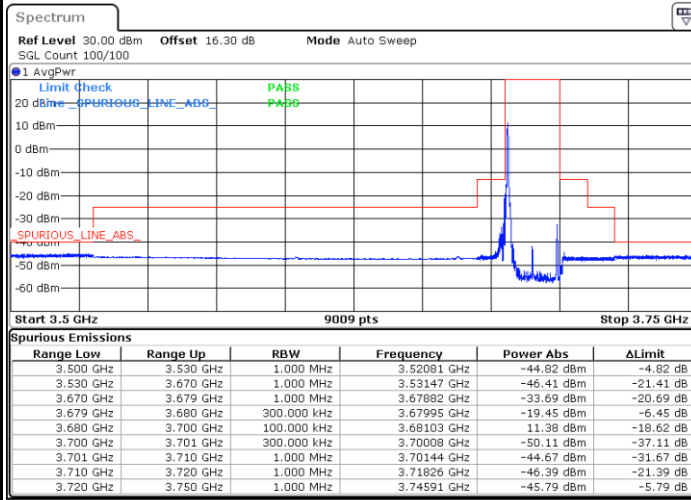
Date: 7.MAY.2023 01:12:50



FR1 Part 96 n48 / 20MHz

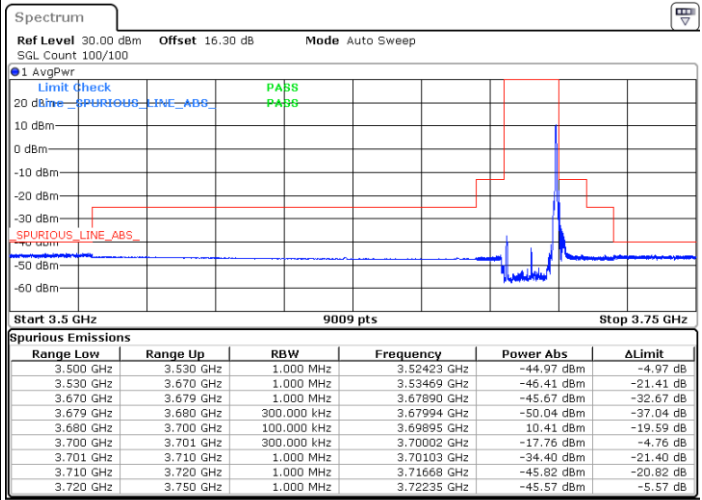
16QAM

Highest Channel / 1RB0



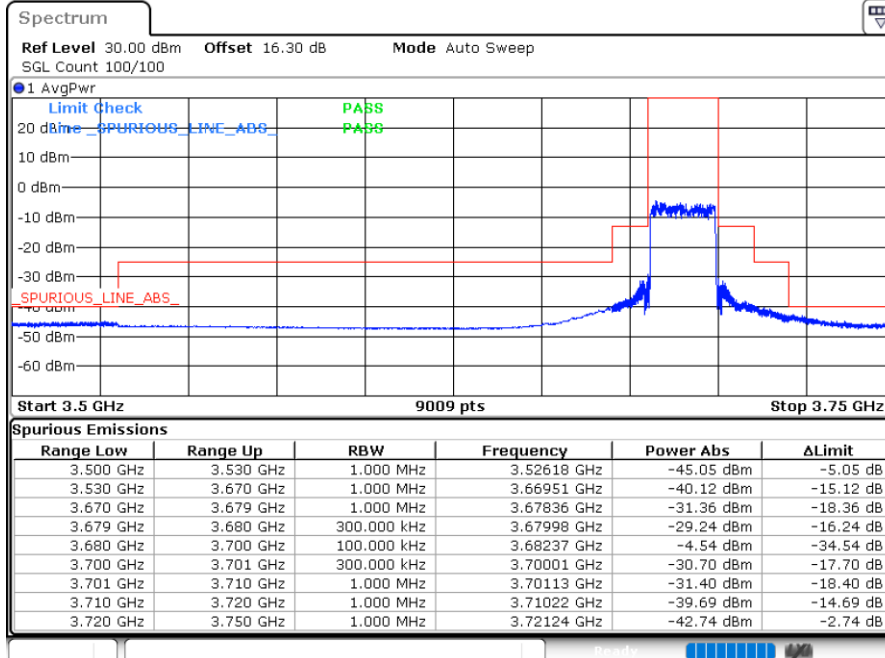
Date: 7.MAY.2023 01:15:07

Highest Channel / 1RBmax



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

Highest Channel / FullRB



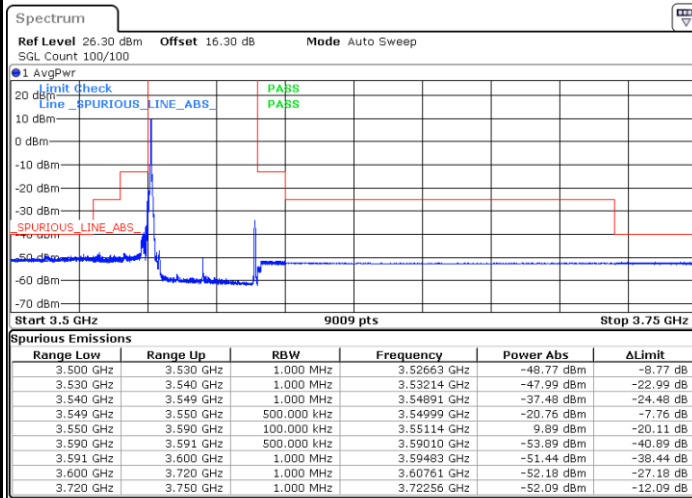
Date: 7.MAY.2023 01:13:27



FR1 Part 96 n48 / 40MHz

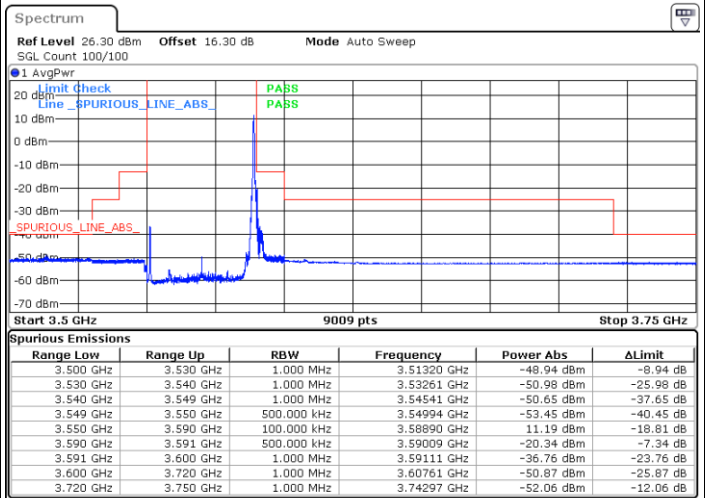
QPSK

Lowest Channel / 1RB0



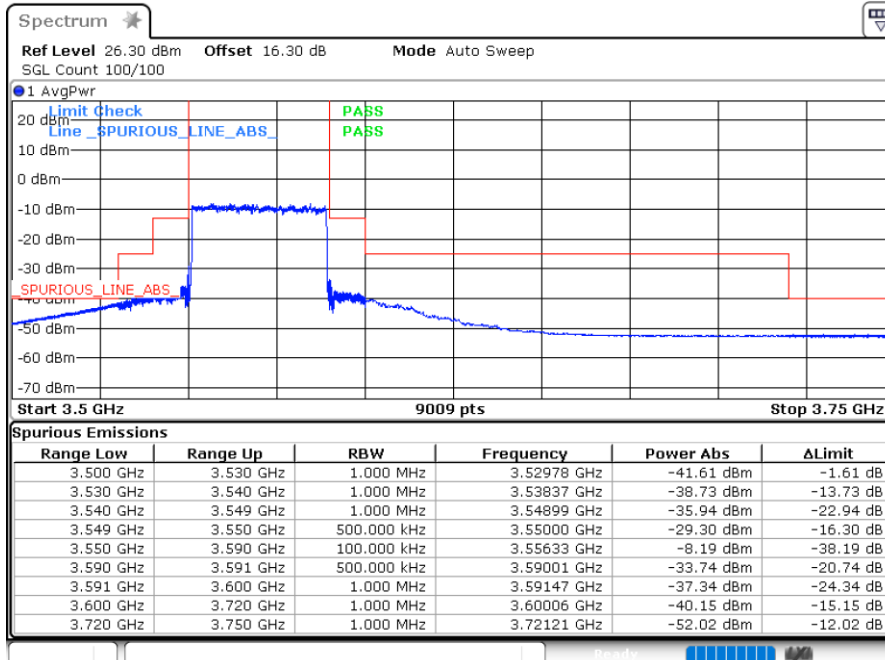
Date: 7.MAY.2023 03:31:47

Lowest Channel / 1RBmax



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

Lowest Channel / FullIRB



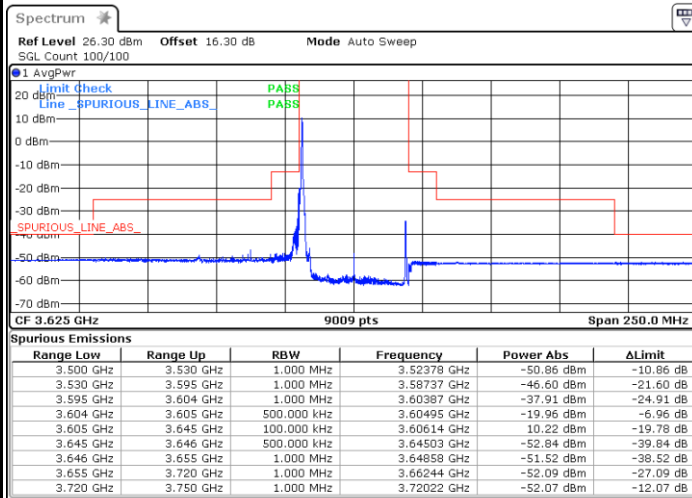
Date: 7.MAY.2023 03:36:42



FR1 Part 96 n48 / 40MHz

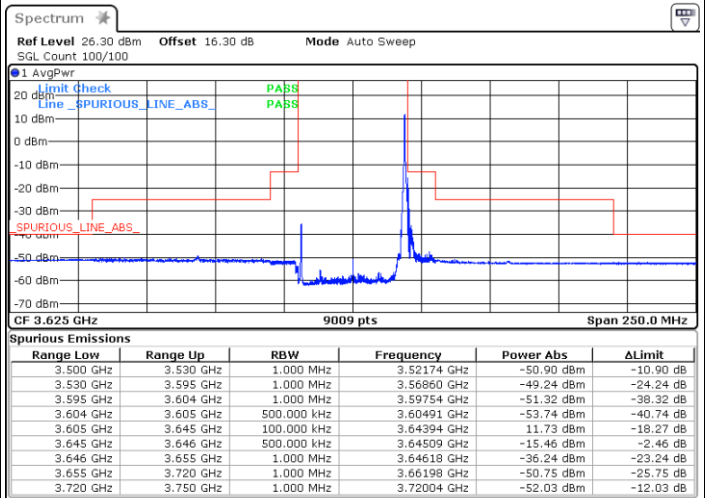
QPSK

Middle Channel / 1RB0



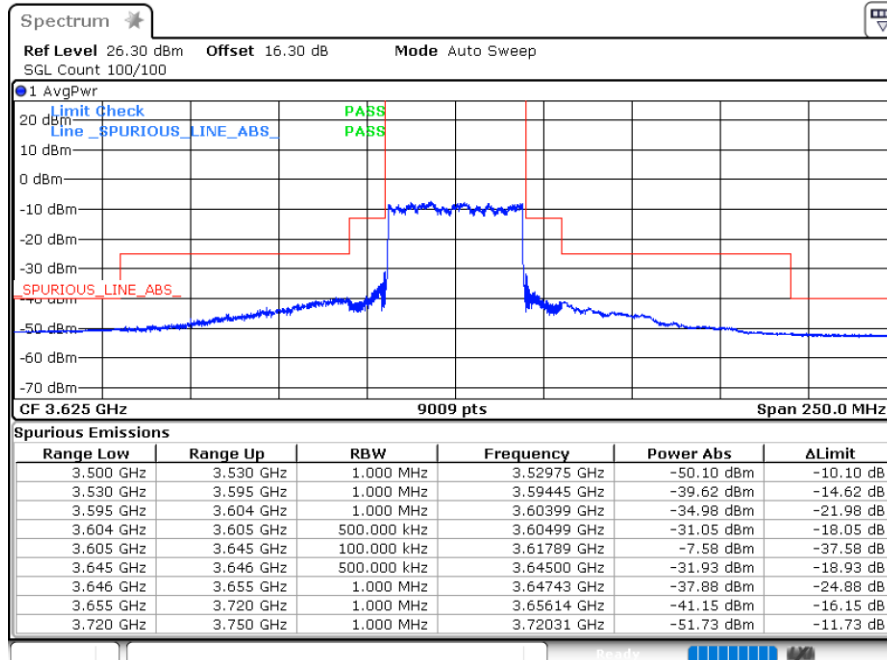
Date: 7.MAY.2023 03:29:47

Middle Channel / 1RBmax



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

Middle Channel / FullIRB



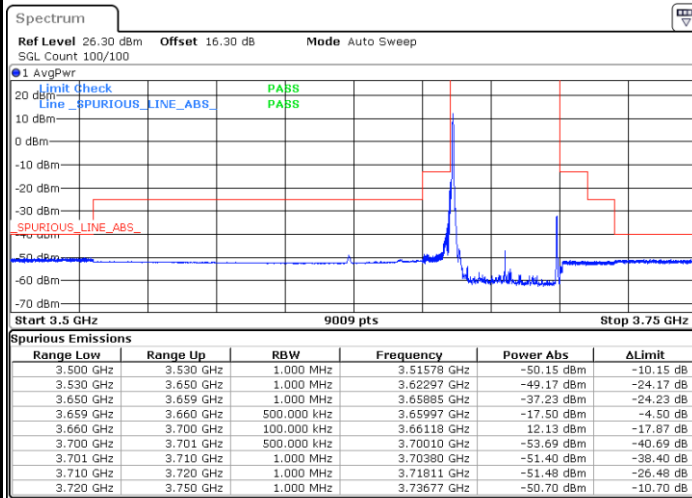
Date: 7.MAY.2023 03:27:25



FR1 Part 96 n48 / 40MHz

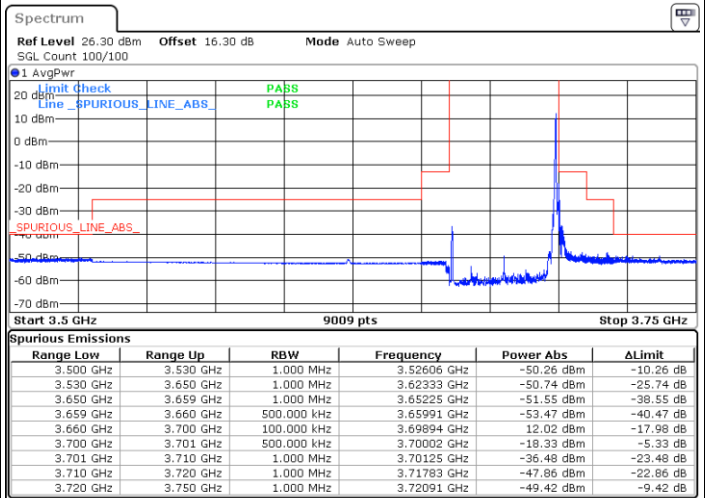
QPSK

Highest Channel / 1RB0



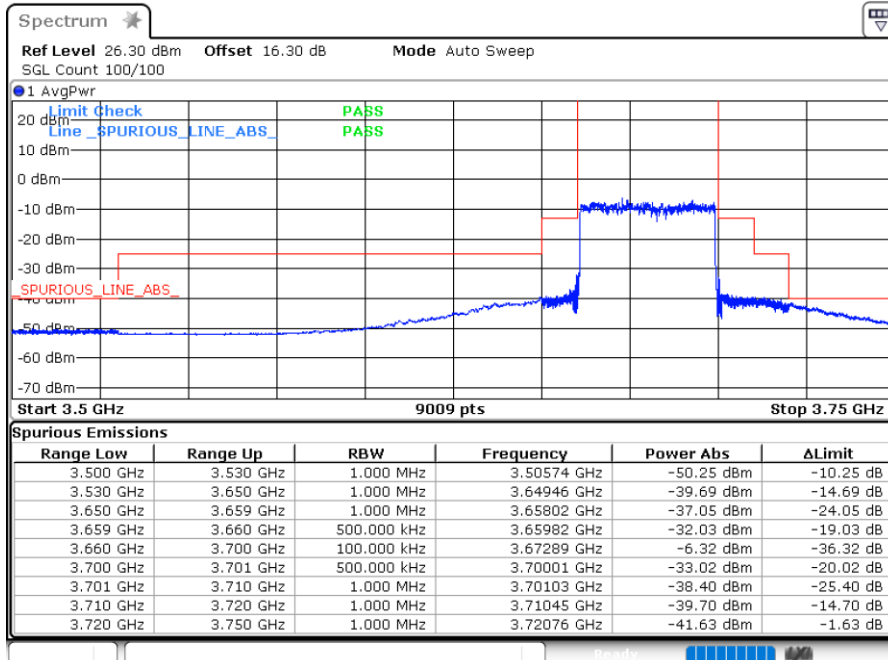
Date: 7.MAY.2023 03:22:11

Highest Channel / 1RBmax



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

Highest Channel / FullRB



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