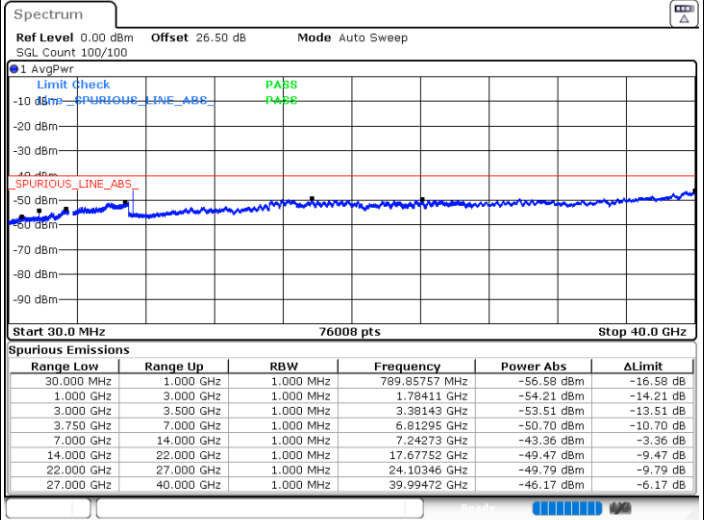
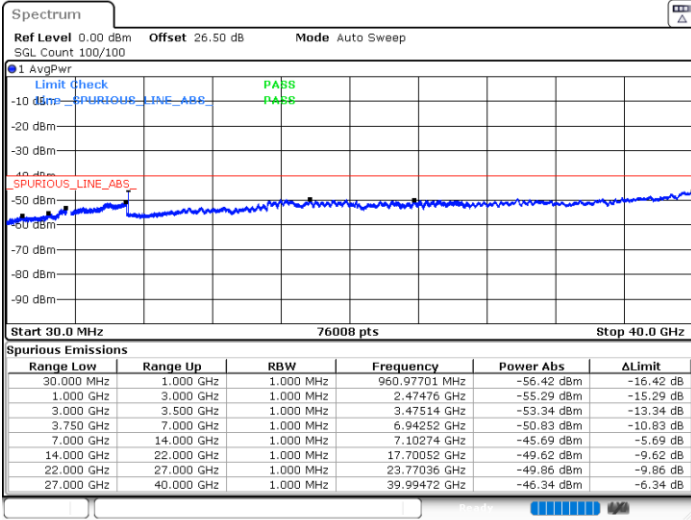




FR1 n48 / 10MHz / CP / 16QAM

Lowest Channel / 1RB

Middle Channel / 1RB

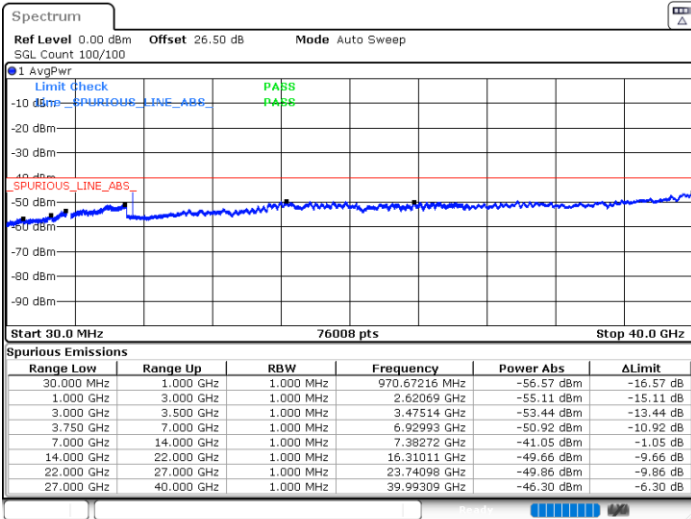


Date: 11.MAR.2023 10:12:39

Date: 11.MAR.2023 10:00:36

Highest Channel / 1RB

NA



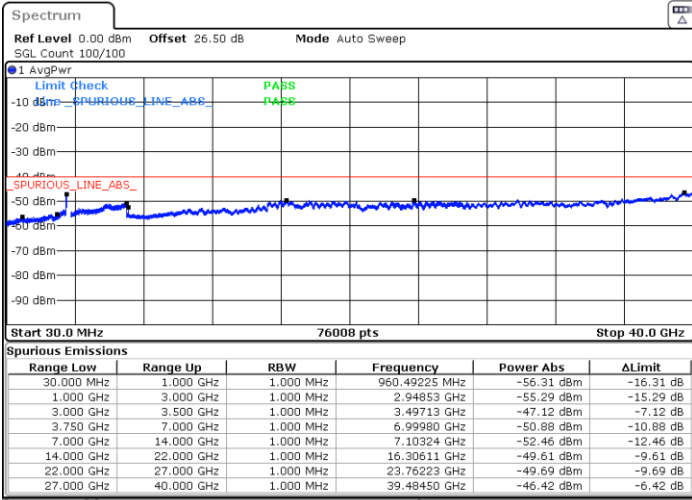
Date: 11.MAR.2023 10:14:23



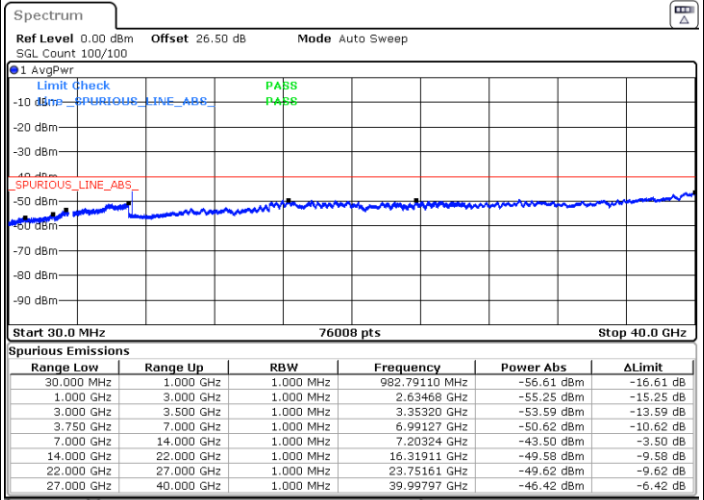
FR1 n48 / 50MHz / CP / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB



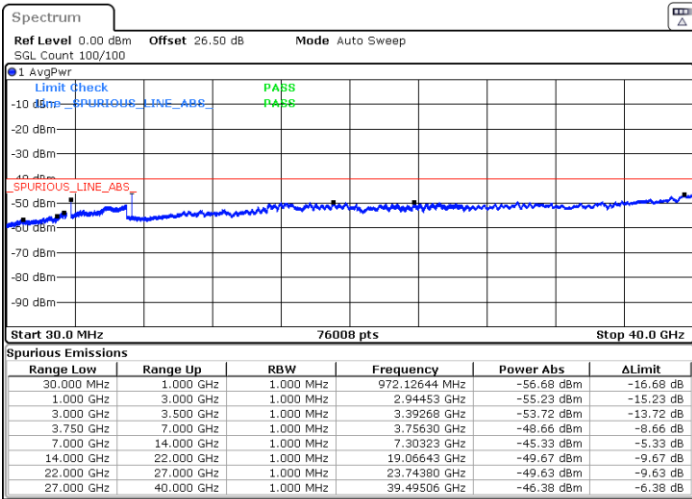
Date: 11.MAR.2023 09:48:45



Date: 11.MAR.2023 09:41:28

Highest Channel / 1RB

NA



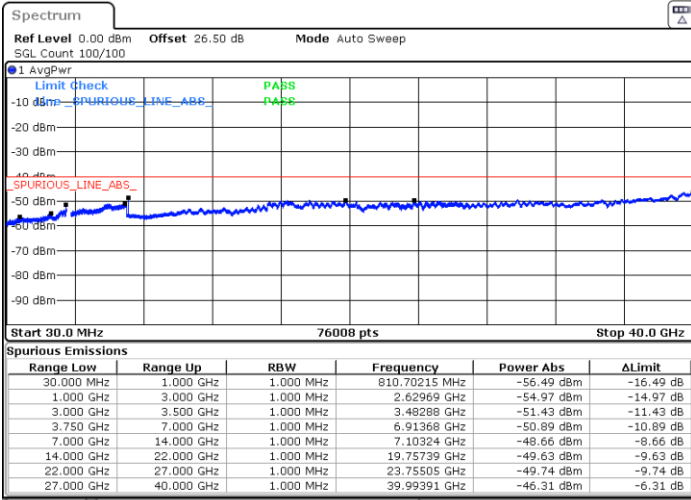
Date: 11.MAR.2023 09:54:30



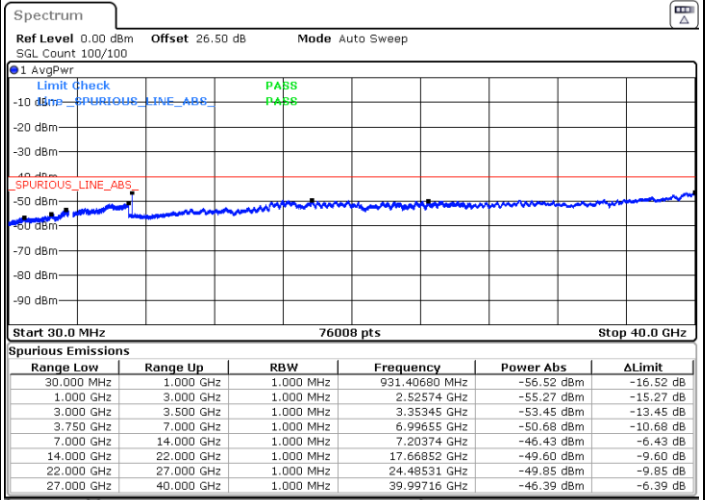
FR1 n48 / 50MHz / CP / 16QAM

Lowest Channel / 1RB

Middle Channel / 1RB



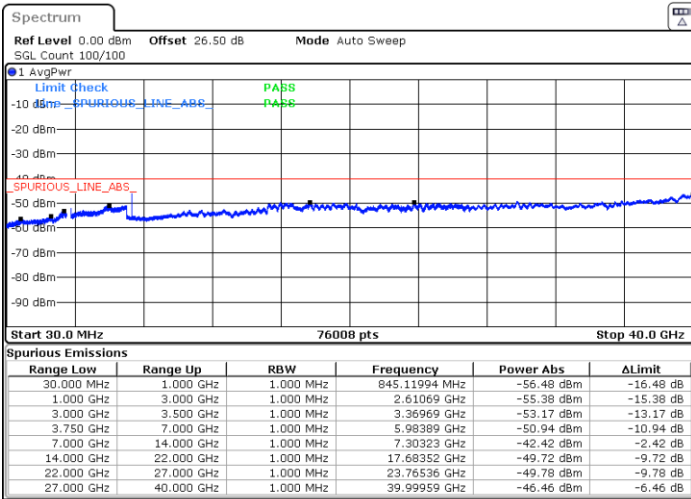
Date: 11.MAR.2023 09:46:28



Date: 11.MAR.2023 09:43:08

Highest Channel / 1RB

NA



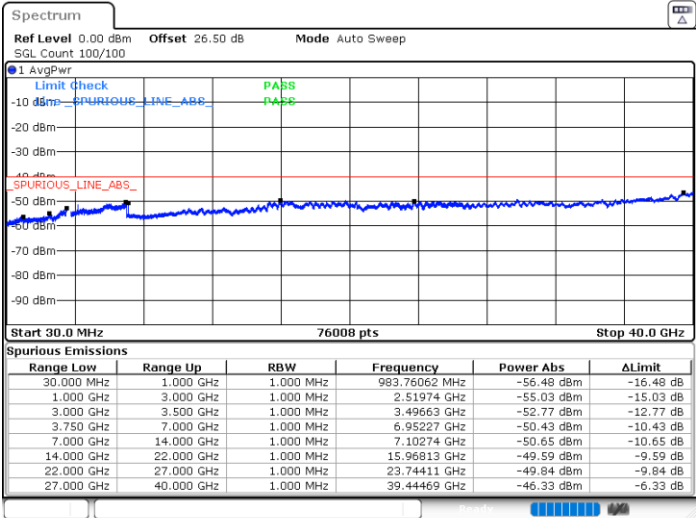
Date: 11.MAR.2023 09:57:39



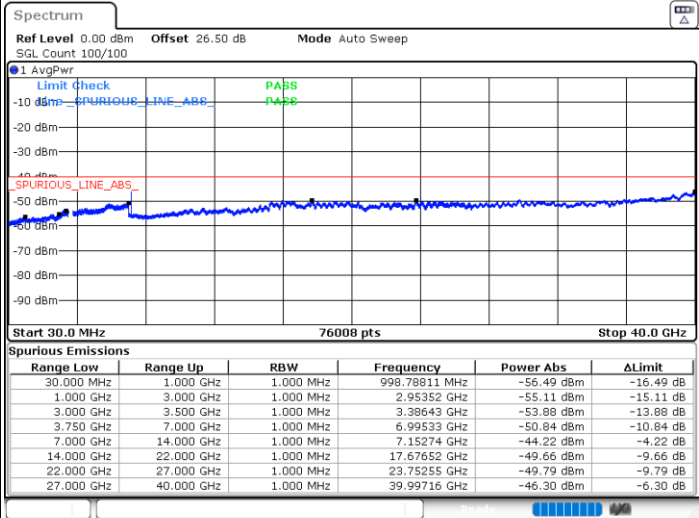
FR1 n48 / 100MHz / CP / QPSK

Lowest Channel / 1RB

Middle Channel / 1RB



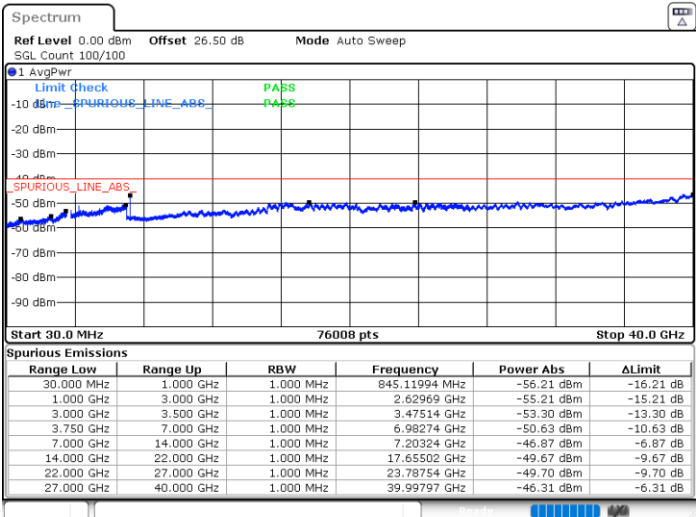
Date: 11.MAR.2023 09:33:13



Date: 11.MAR.2023 09:27:19

Highest Channel / 1RB

NA



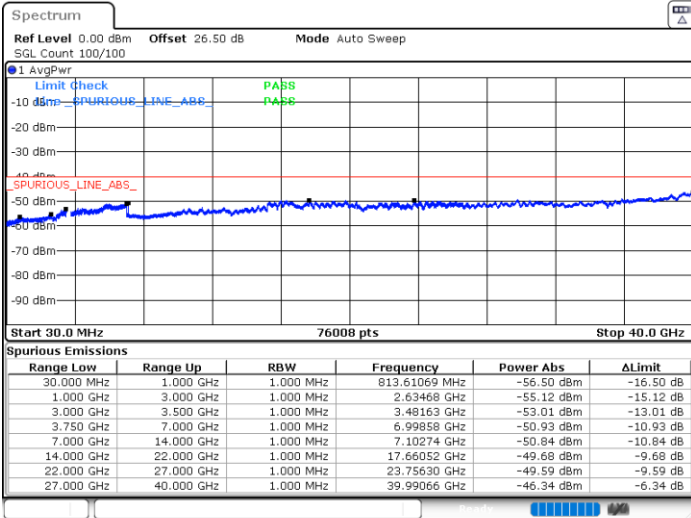
Date: 11.MAR.2023 09:39:28



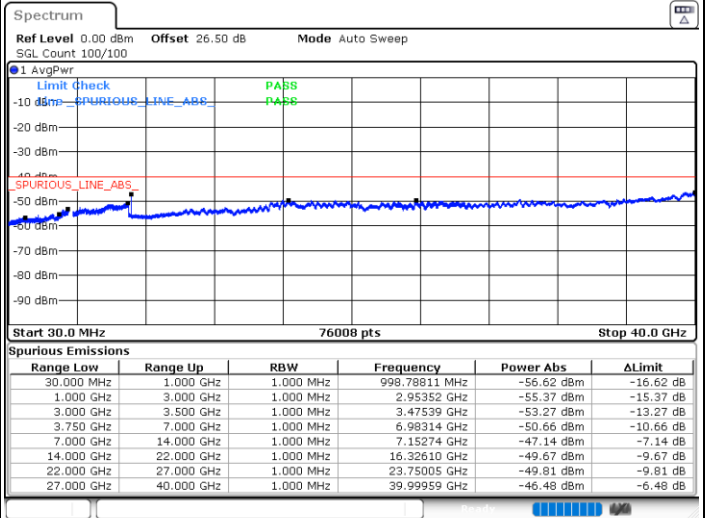
FR1 n48 / 100MHz / CP / 16QAM

Lowest Channel / 1RB

Middle Channel / 1RB



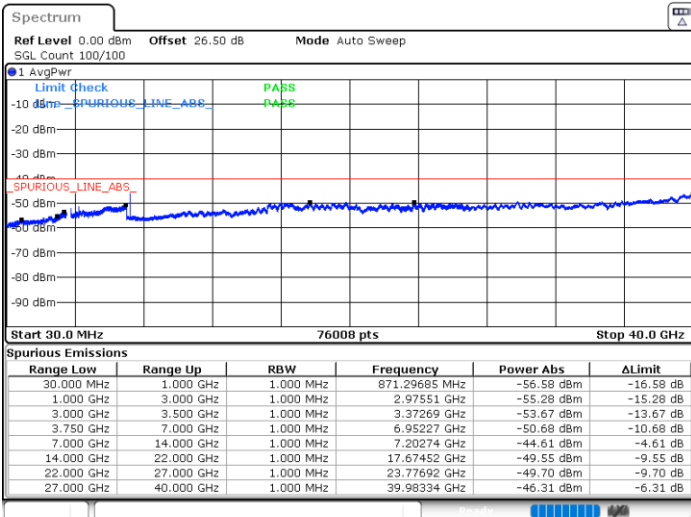
Date: 11.MAR.2023 09:31:20



Date: 11.MAR.2023 09:30:04

Highest Channel / 1RB

NA



Date: 11.MAR.2023 09:38:09



Frequency Stability

Test Conditions		FR1 n48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0019	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0021	
20	Battery End Point	0.0038	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



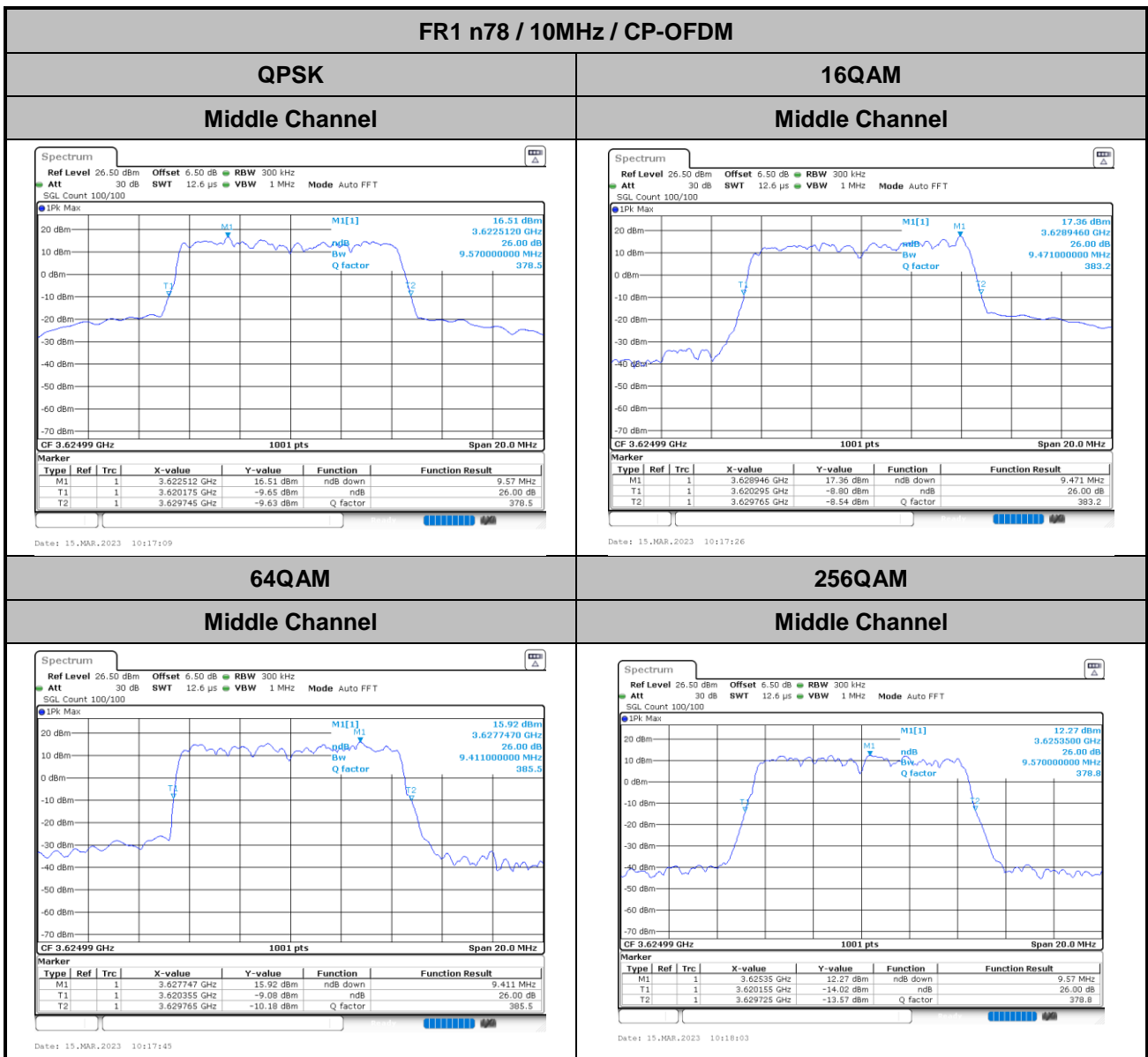
FR1 n78

26dB Bandwidth

Mode	FR1 n78 : 26dB BW(10 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	9.57	9.47	9.41	9.57
Mode	FR1 n78 : 26dB BW(15 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	14.36	14.39	14.42	14.36
Mode	FR1 n78 : 26dB BW(20 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	19.02	19.14	19.30	19.30
Mode	FR1 n78 : 26dB BW(25 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	24.17	24.10	24.02	24.02
Mode	FR1 n78 : 26dB BW(30 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	28.89	28.77	28.89	29.01
Mode	FR1 n78 : 26dB BW(40 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	40.2	40.2	40.12	40.28
Mode	FR1 n78 : 26dB BW(50 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	49.75	49.75	49.75	49.65
Mode	FR1 n78 : 26dB BW(60 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	60.54	60.54	60.18	60.42



Mode	FR1 n78 : 26dB BW(80 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	79.92	80.24	79.92	80.08
Mode	FR1 n78 : 26dB BW(90 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	92.43	91.89	92.25	92.07
Mode	FR1 n78 : 26dB BW(100 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	102.3	102.3	102.3	102.3





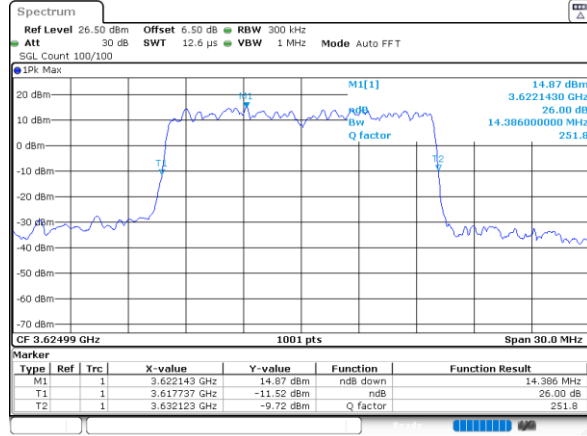
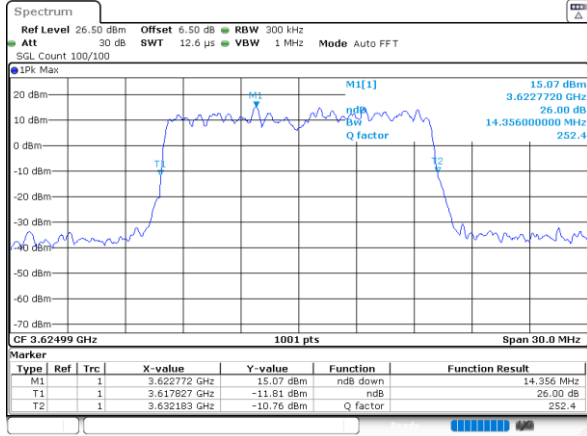
FR1 n78 / 15MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 11:00:08

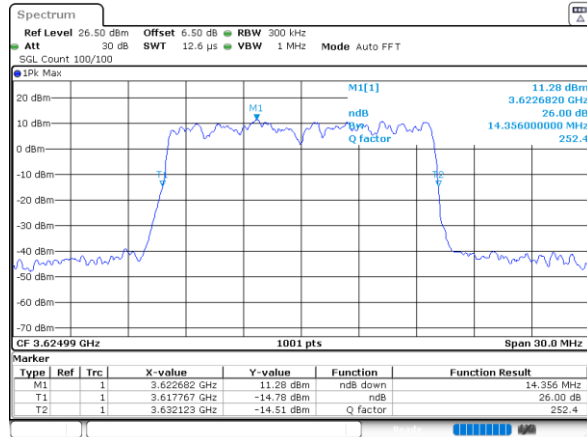
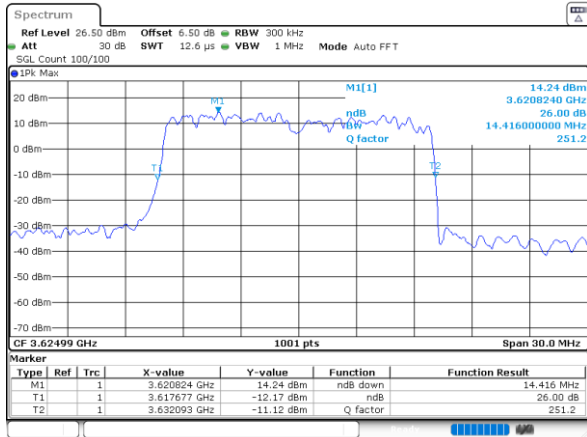
Date: 15.MAR.2023 11:00:36

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 11:00:50

Date: 15.MAR.2023 11:01:04



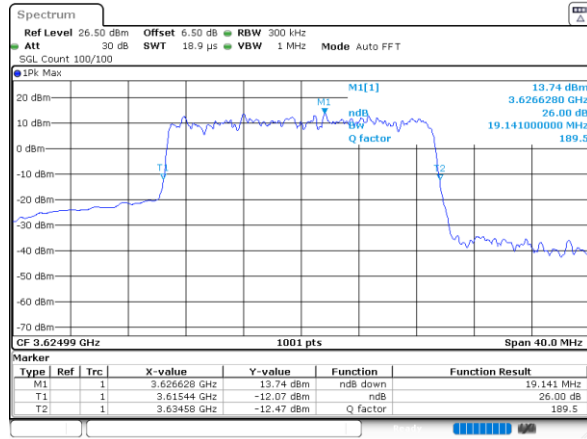
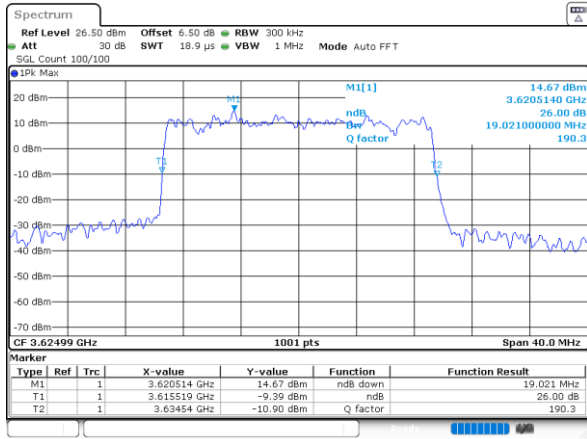
FR1 n78 / 20MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 10:18:43

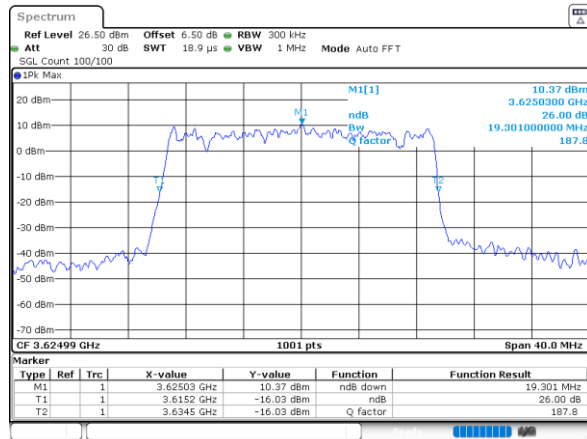
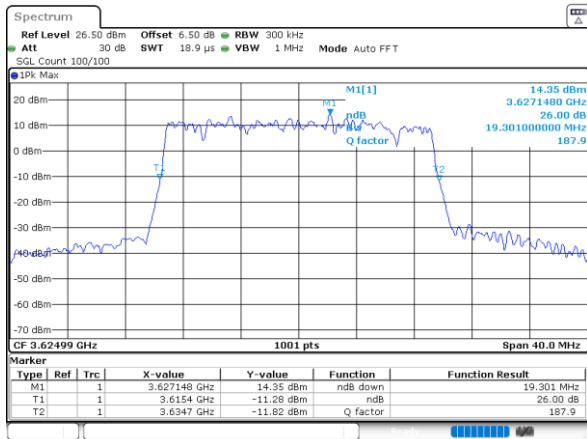
Date: 15.MAR.2023 10:19:00

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 10:19:16

Date: 15.MAR.2023 10:19:33



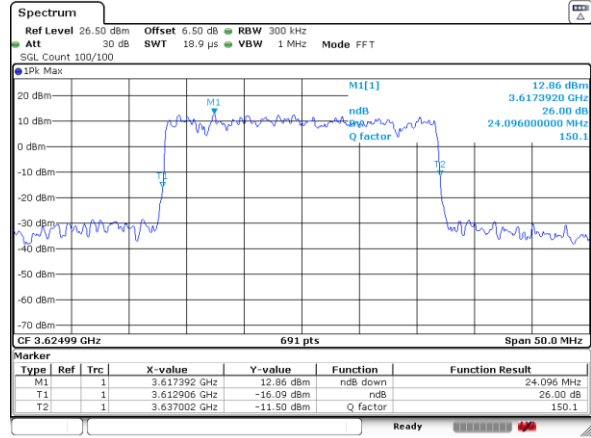
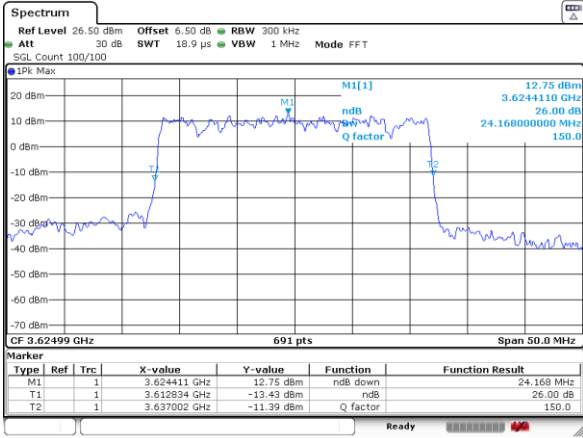
FR1 n78 / 25MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 28.MAR.2023 22:26:38

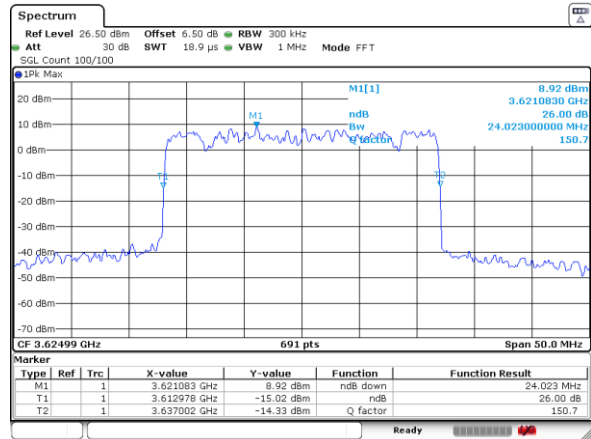
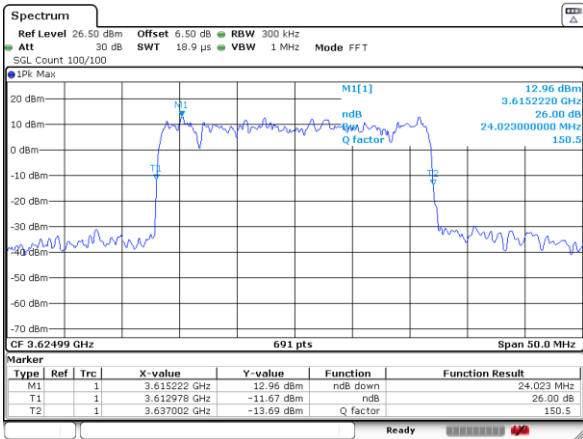
Date: 28.MAR.2023 22:27:04

64QAM

256QAM

Middle Channel

Middle Channel



Date: 28.MAR.2023 22:27:26

Date: 28.MAR.2023 22:27:44



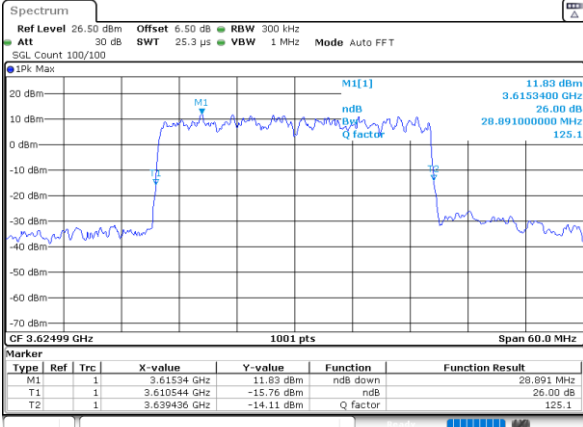
FR1 n78 / 30MHz / CP-OFDM

QPSK

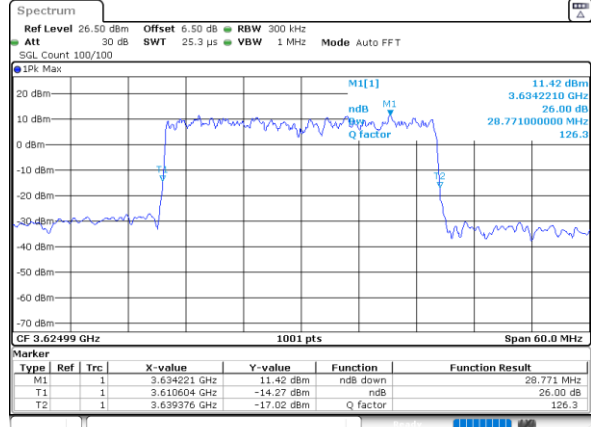
16QAM

Middle Channel

Middle Channel



Date: 15_MAR_2023 10:20:06



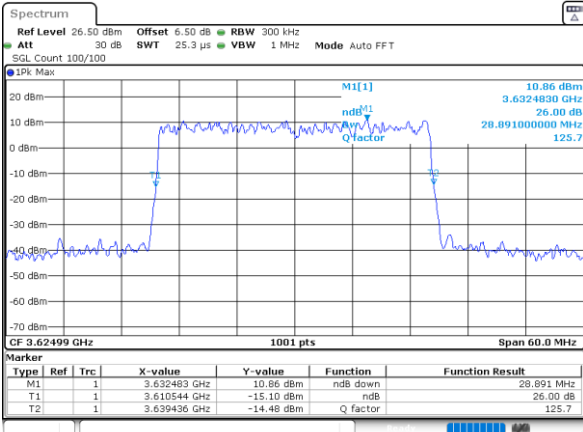
Date: 15_MAR_2023 10:20:40

64QAM

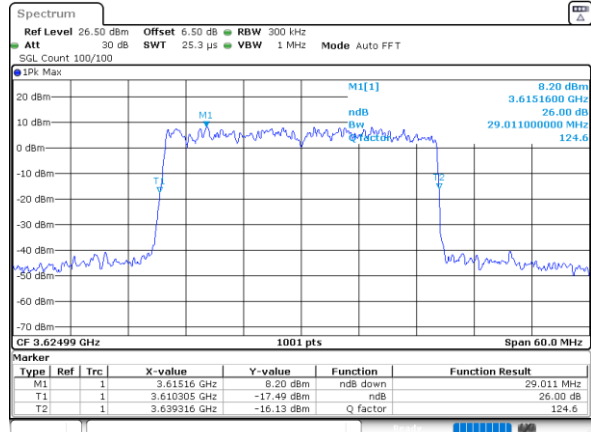
256QAM

Middle Channel

Middle Channel



Date: 15_MAR_2023 10:21:09



Date: 15_MAR_2023 10:21:36



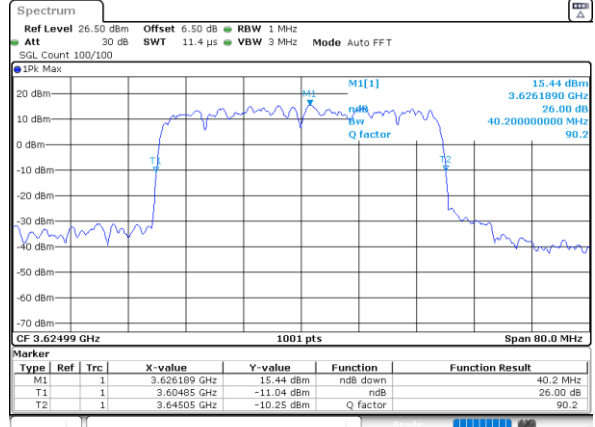
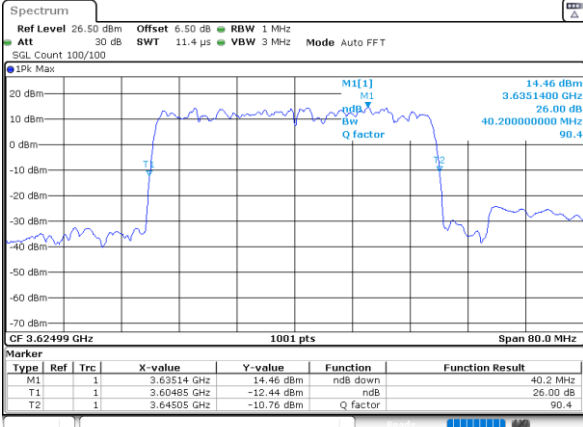
FR1 n78 / 40MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 10:22:30

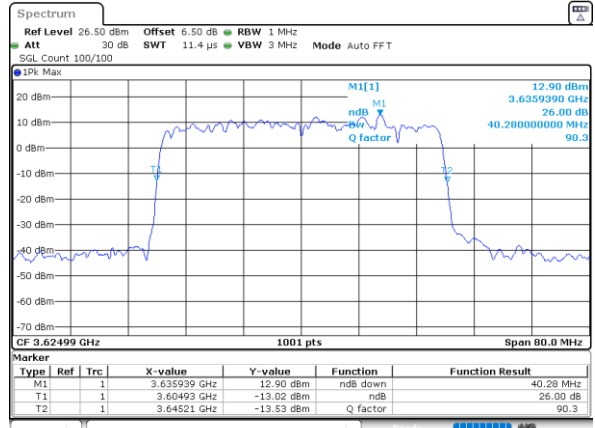
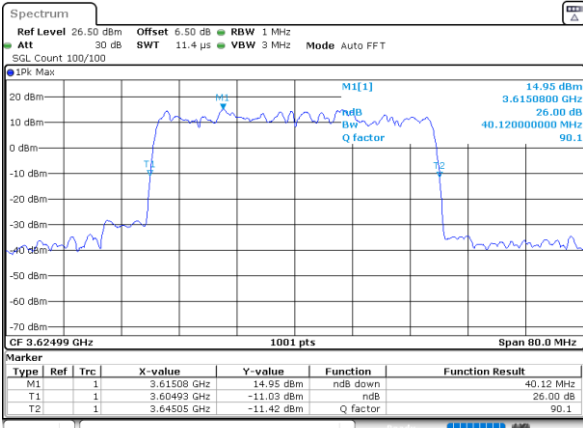
Date: 15.MAR.2023 10:22:47

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 10:23:02

Date: 15.MAR.2023 10:23:16



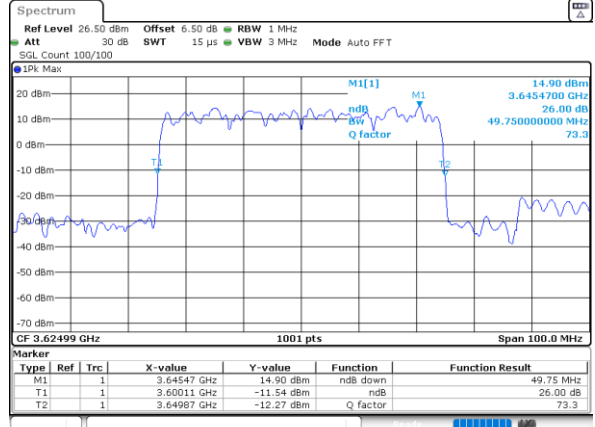
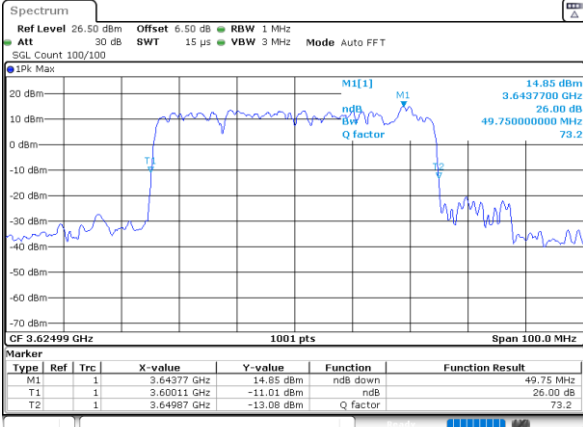
FR1 n78 / 50MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 10:24:11

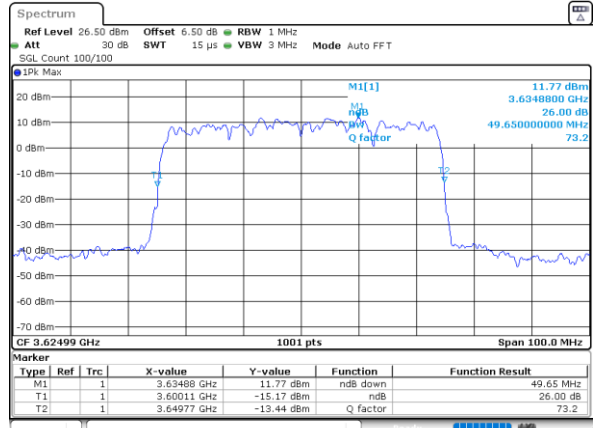
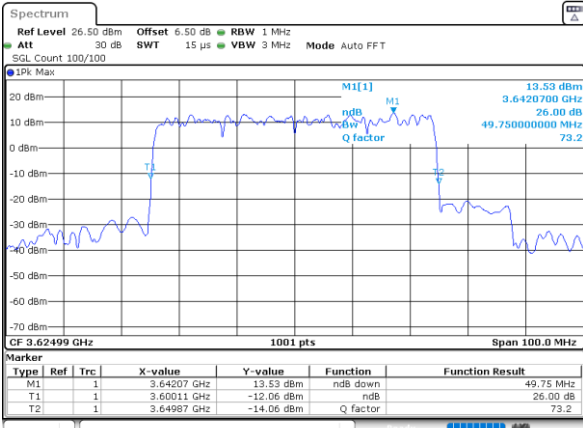
Date: 15.MAR.2023 10:24:25

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 10:24:38

Date: 15.MAR.2023 10:24:52



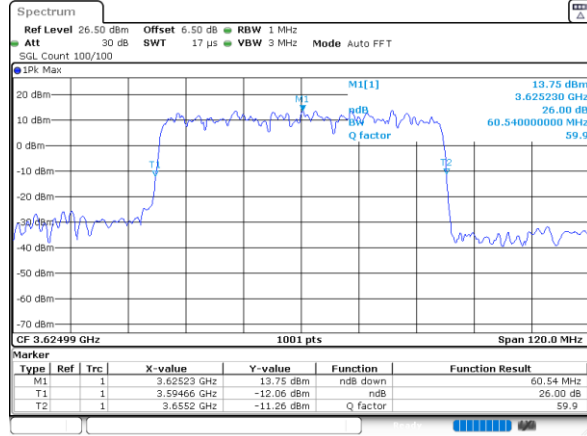
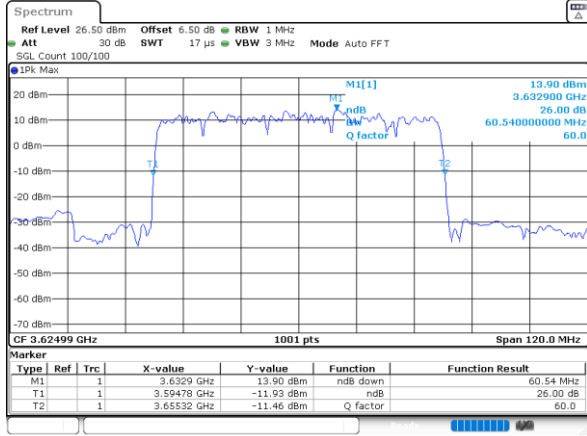
FR1 n78 / 60MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 10:25:32

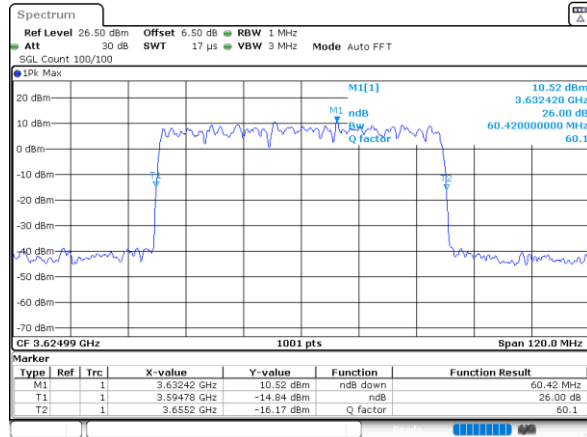
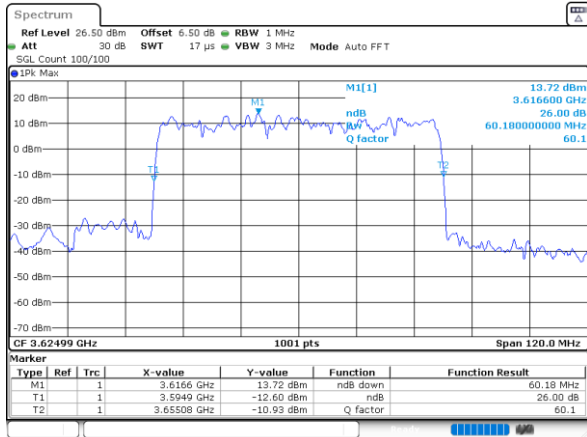
Date: 15.MAR.2023 10:25:47

64QAM

256QAM

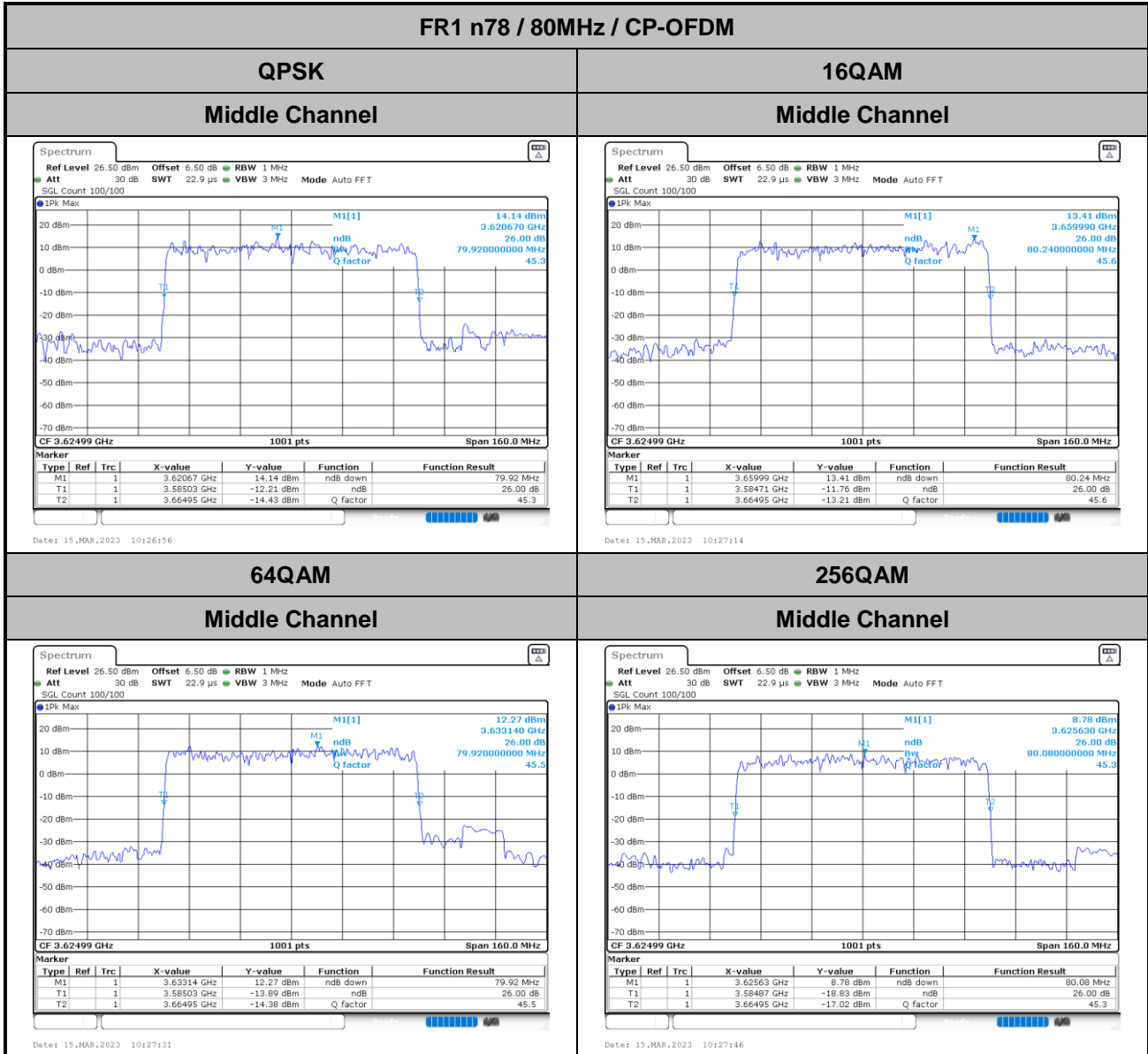
Middle Channel

Middle Channel



Date: 15.MAR.2023 10:26:03

Date: 15.MAR.2023 10:26:18





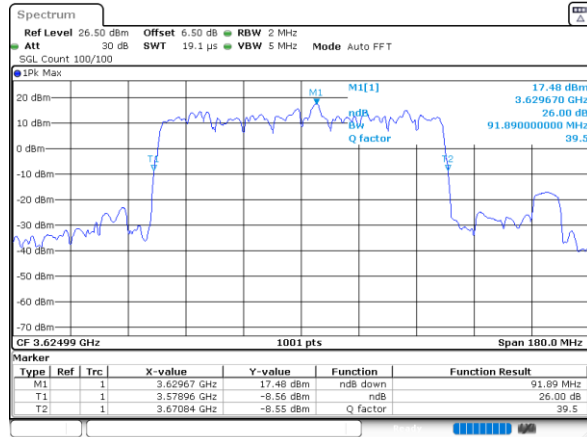
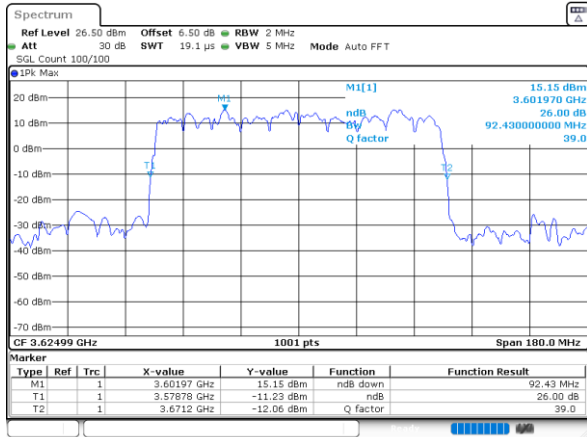
FR1 n78 / 90MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel

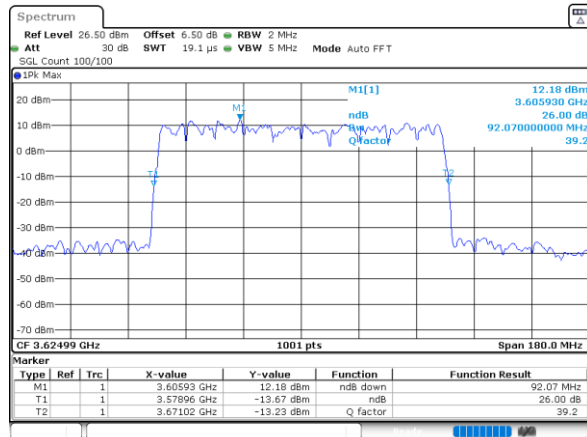
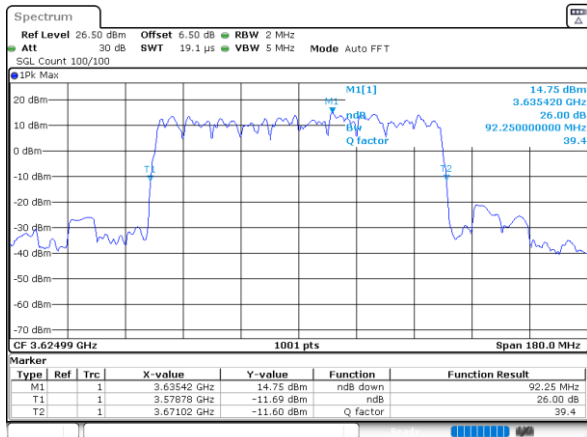


64QAM

256QAM

Middle Channel

Middle Channel





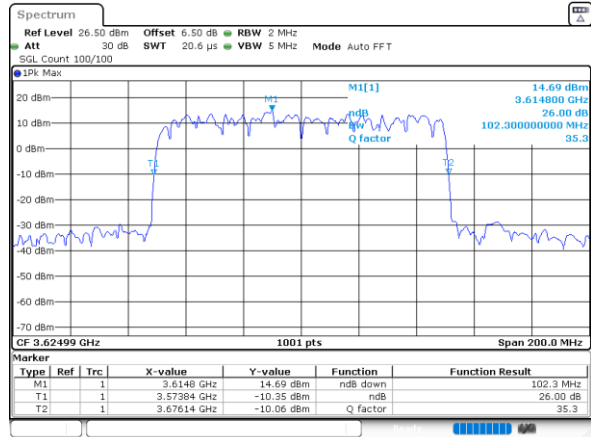
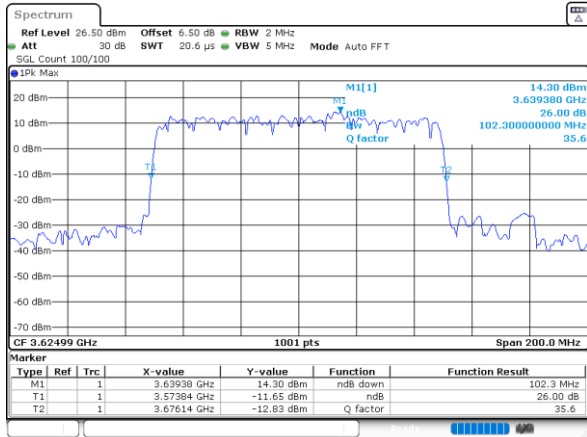
FR1 n78 / 100MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel

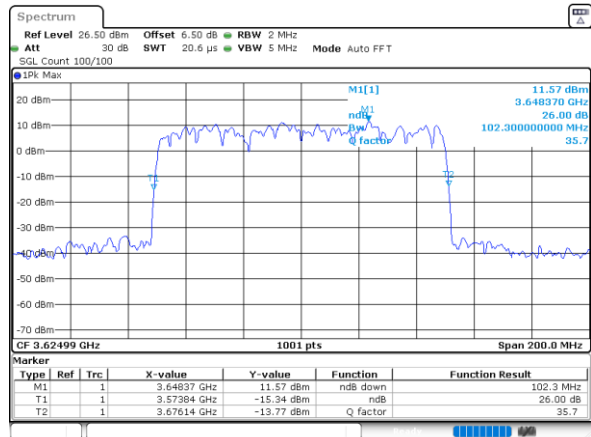
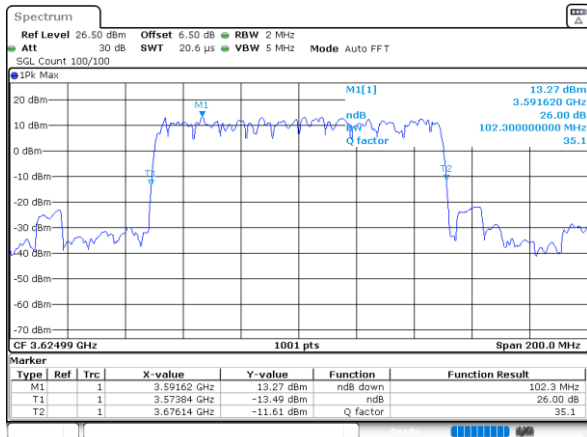


64QAM

256QAM

Middle Channel

Middle Channel



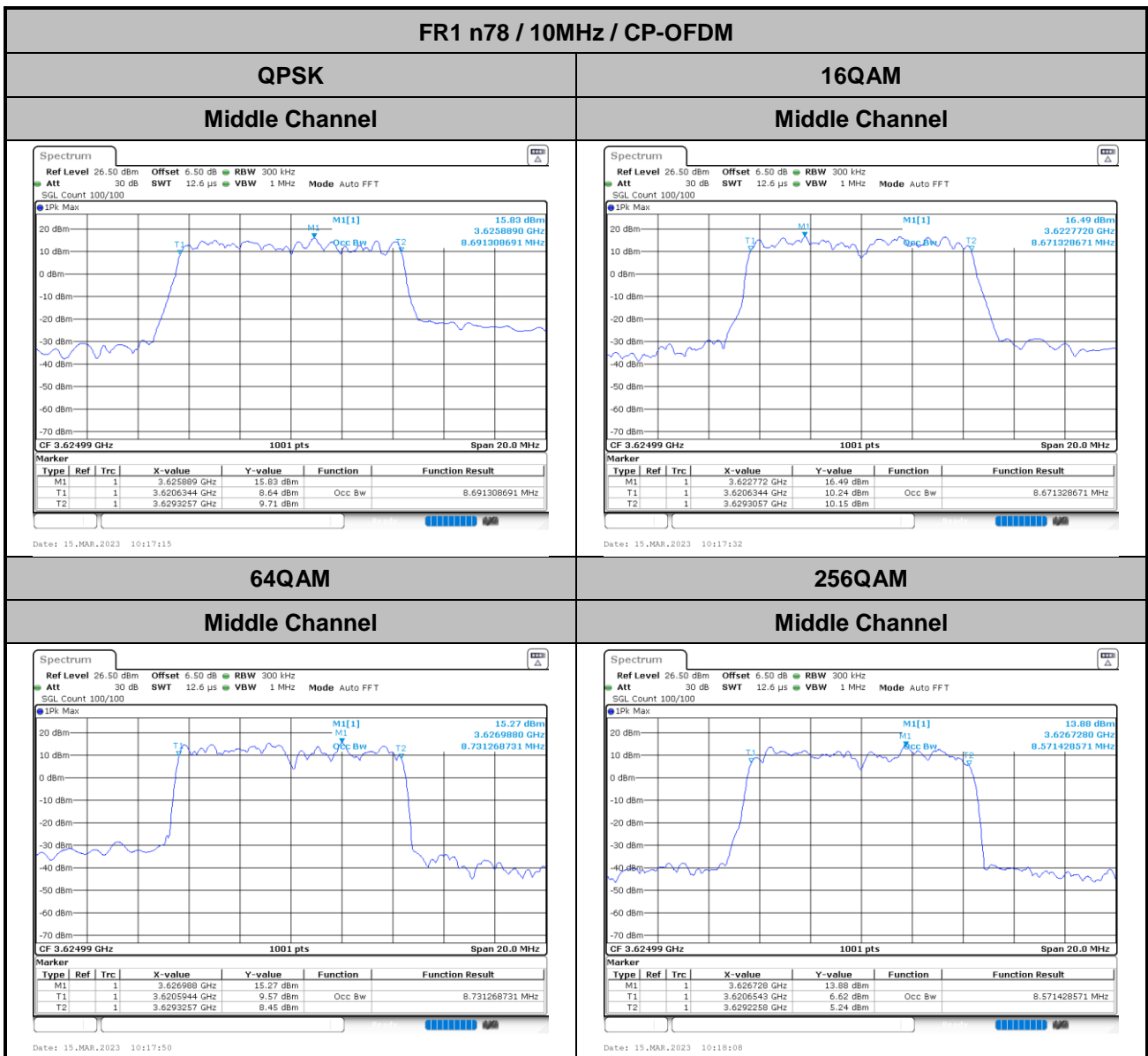


Occupied Bandwidth

Mode	FR1 n78 : OB BW(10 MHz) / CPOFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	8.69	8.67	8.73	8.57
Mode	FR1 n78 : OB BW(15 MHz) / CPOFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	13.58	13.58	13.58	13.58
Mode	FR1 n78 : OB BW(20 MHz) / CPOFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	18.14	18.26	18.26	18.30
Mode	FR1 n78 : OB BW(25 MHz) / CPOFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	23.23	23.23	23.15	23.15
Mode	FR1 n78 : OB BW(30 MHz) / CPOFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	27.75	27.81	27.69	27.75
Mode	FR1 n78 : OB BW(40 MHz) / CPOFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	37.96	37.64	37.96	38.04
Mode	FR1 n78 : OB BW(50 MHz) / CPOFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	47.35	47.65	47.55	47.45
Mode	FR1 n78 : OB BW(60 MHz) / CPOFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	57.90	57.90	57.54	58.26
Mode	FR1 n78 : OB BW(80 MHz) / CPOFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	76.88	77.36	77.20	77.52



Mode	FR1 n78 : OB BW(90 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	87.39	87.21	87.39	87.57
Mode	FR1 n78 : OB BW(100 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	97.30	96.90	96.90	98.10





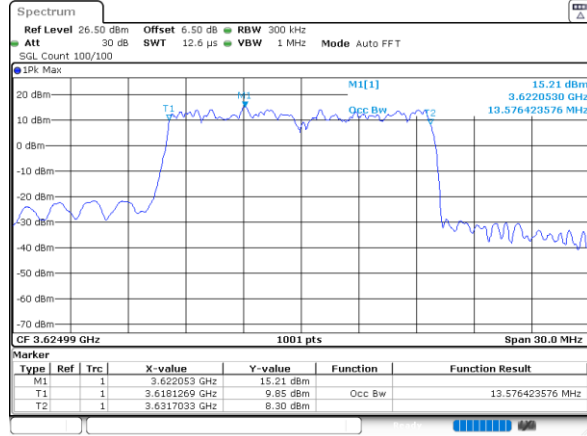
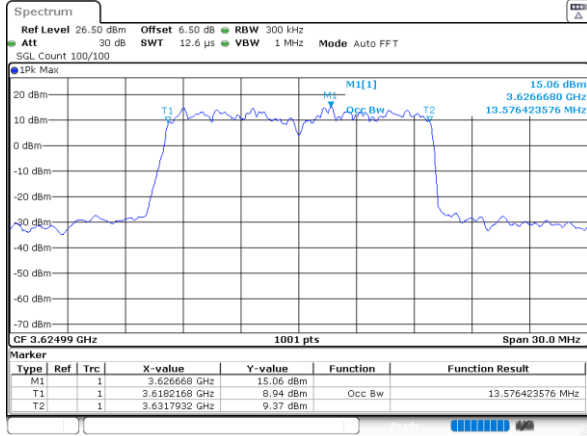
FR1 n78 / 15MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 11:00:30

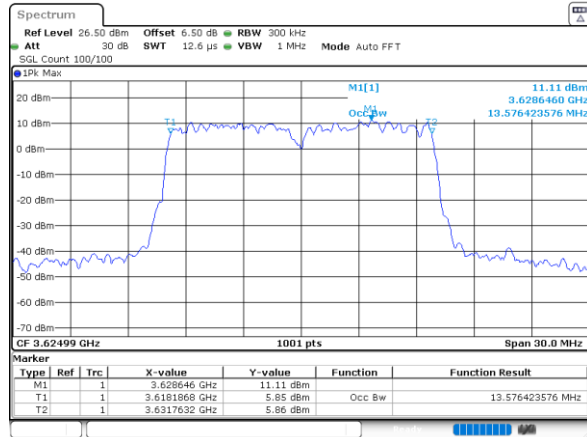
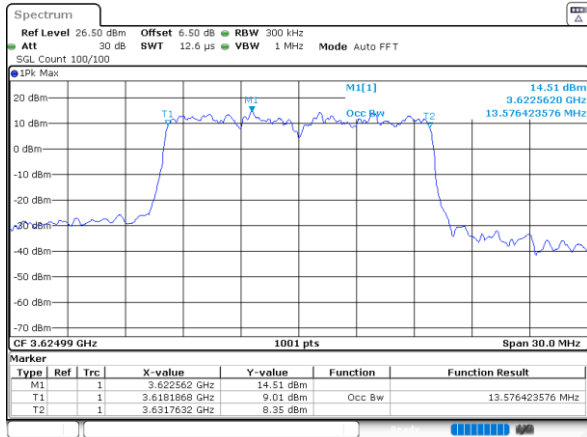
Date: 15.MAR.2023 11:00:42

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 11:00:55

Date: 15.MAR.2023 11:01:09



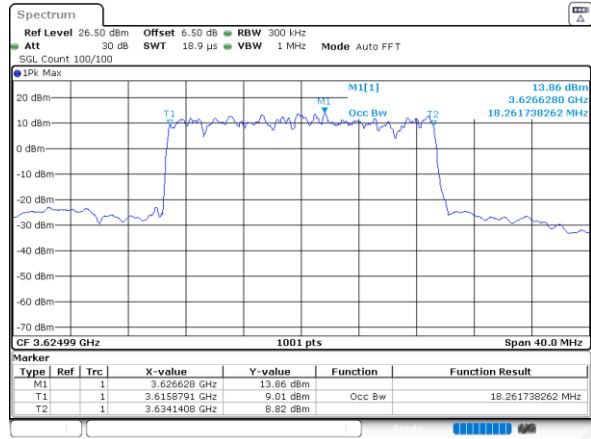
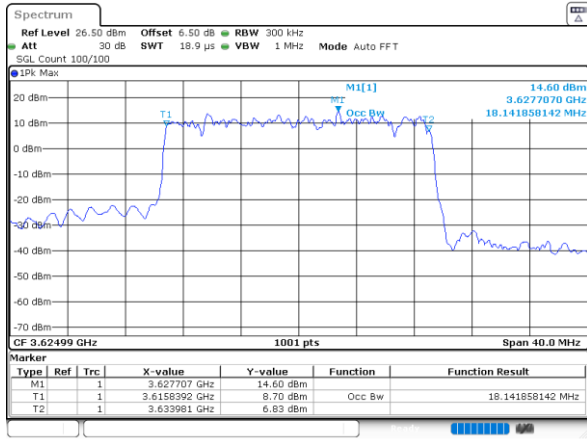
FR1 n78 / 20MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel

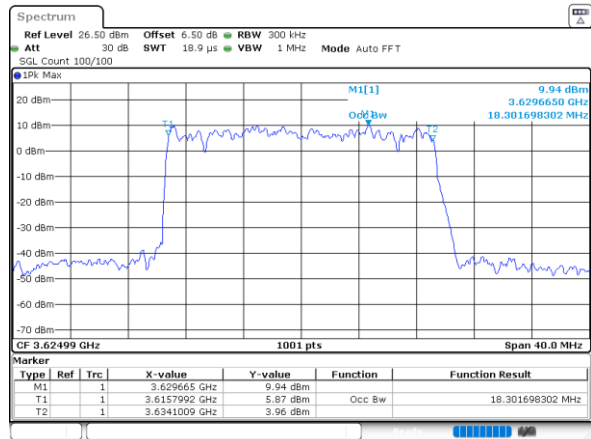
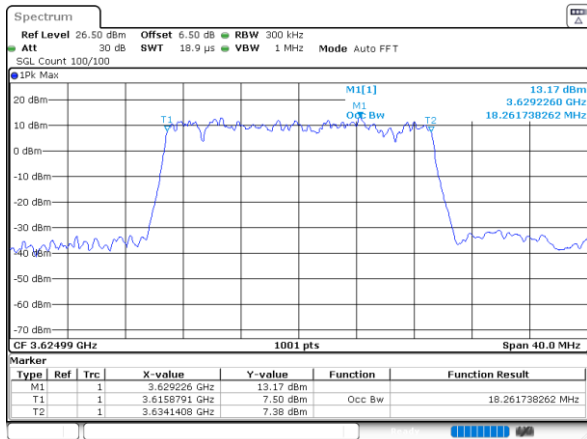


64QAM

256QAM

Middle Channel

Middle Channel





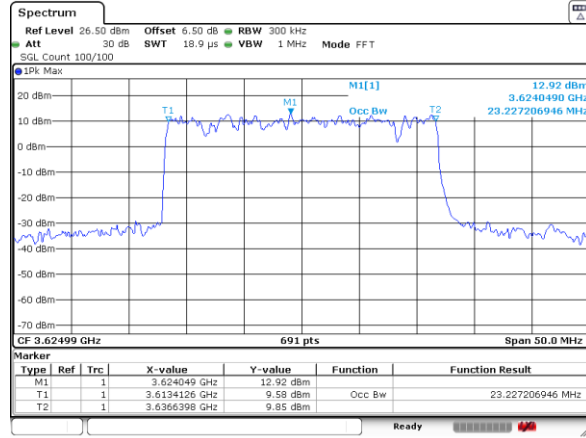
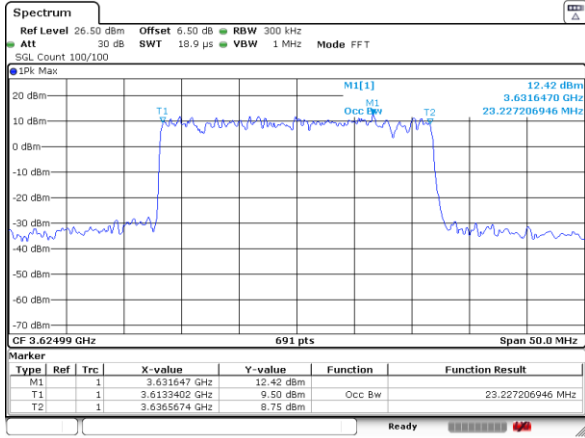
FR1 n78 / 25MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel

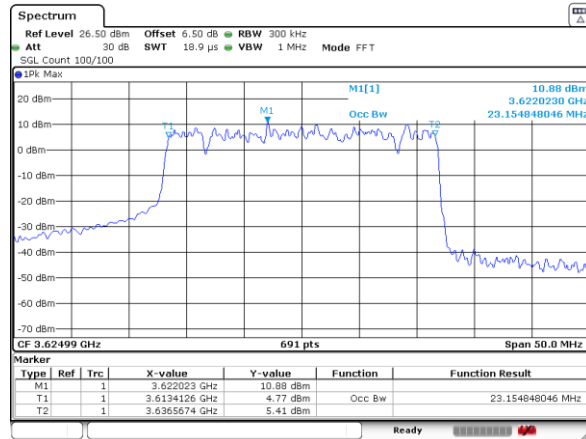
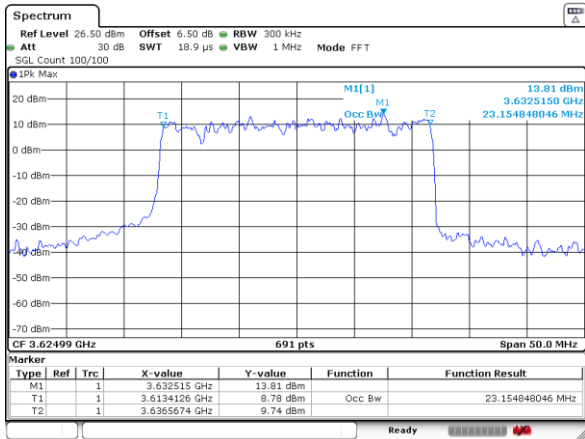


64QAM

256QAM

Middle Channel

Middle Channel





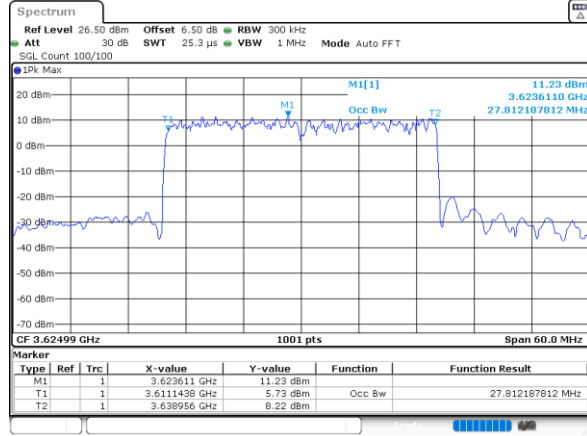
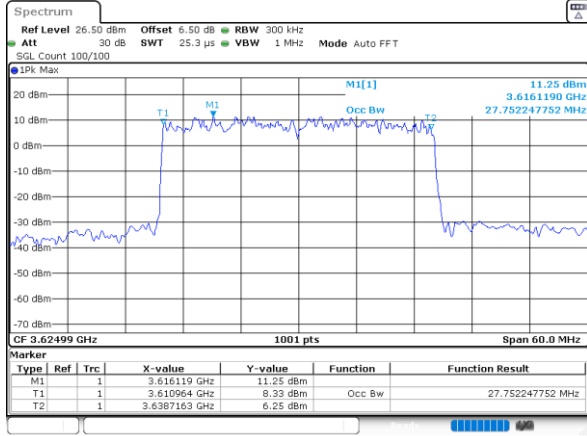
FR1 n78 / 30MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 10:20:16

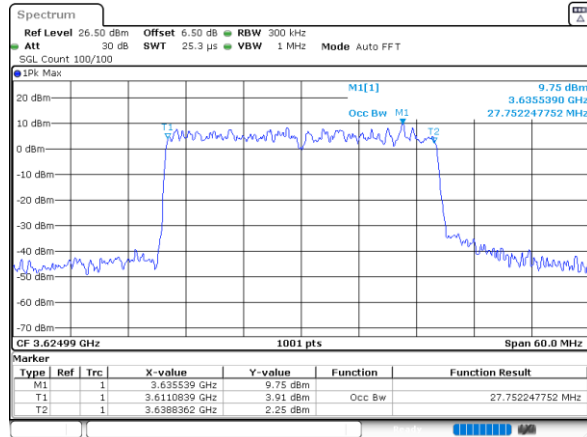
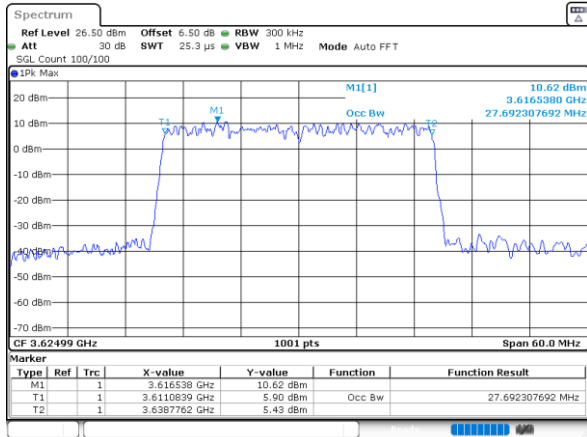
Date: 15.MAR.2023 10:20:50

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 10:21:21

Date: 15.MAR.2023 10:21:45



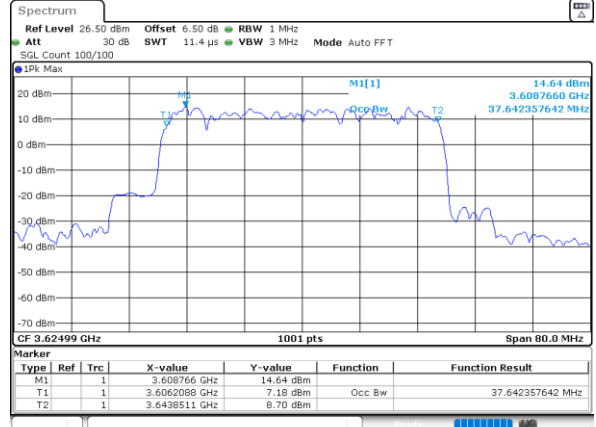
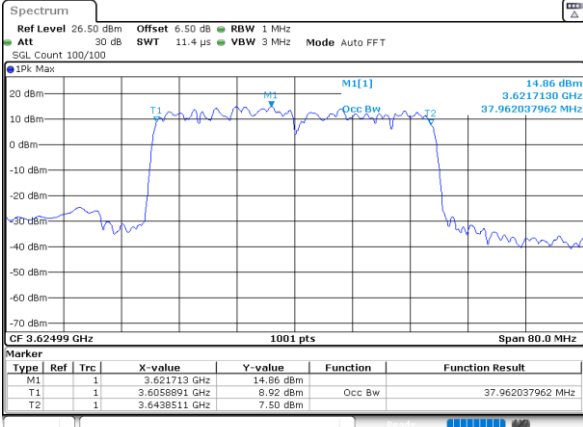
FR1 n78 / 40MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 10:22:36

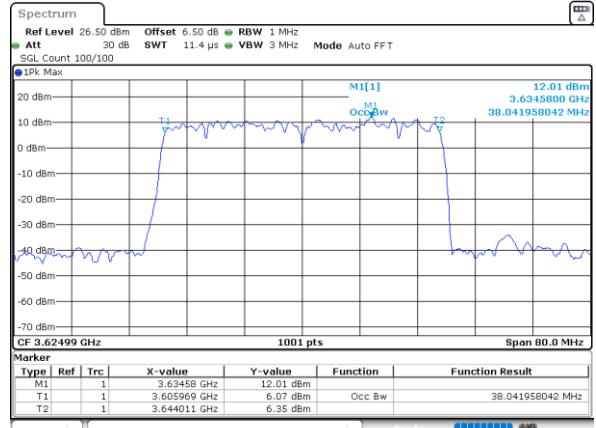
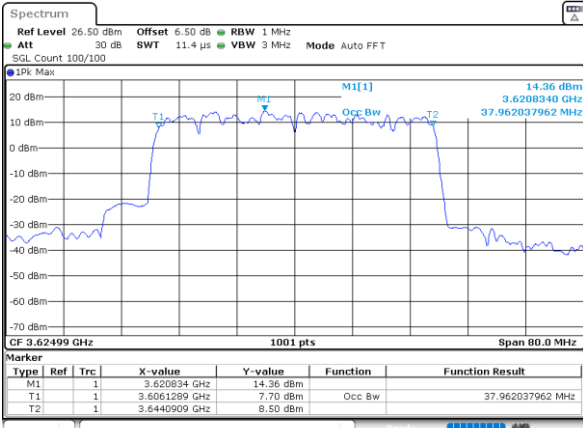
Date: 15.MAR.2023 10:22:52

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 10:23:08

Date: 15.MAR.2023 10:23:22



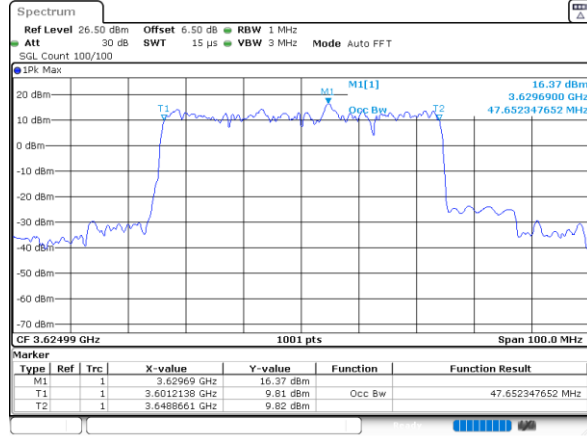
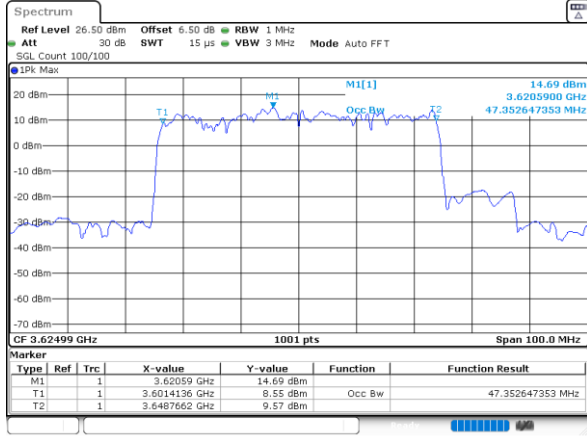
FR1 n78 / 50MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 10:24:16

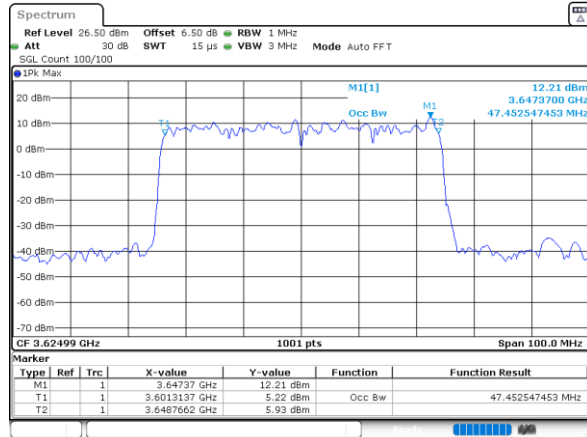
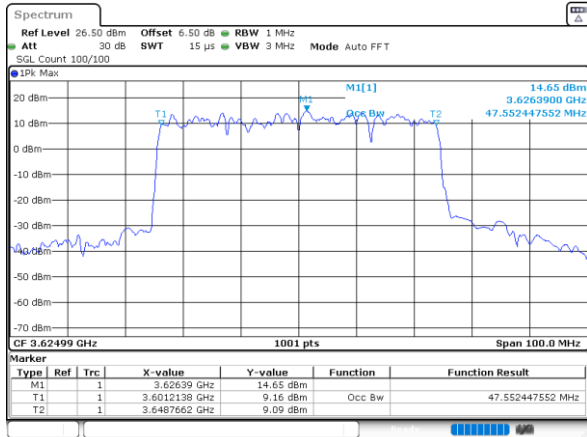
Date: 15.MAR.2023 10:24:31

64QAM

256QAM

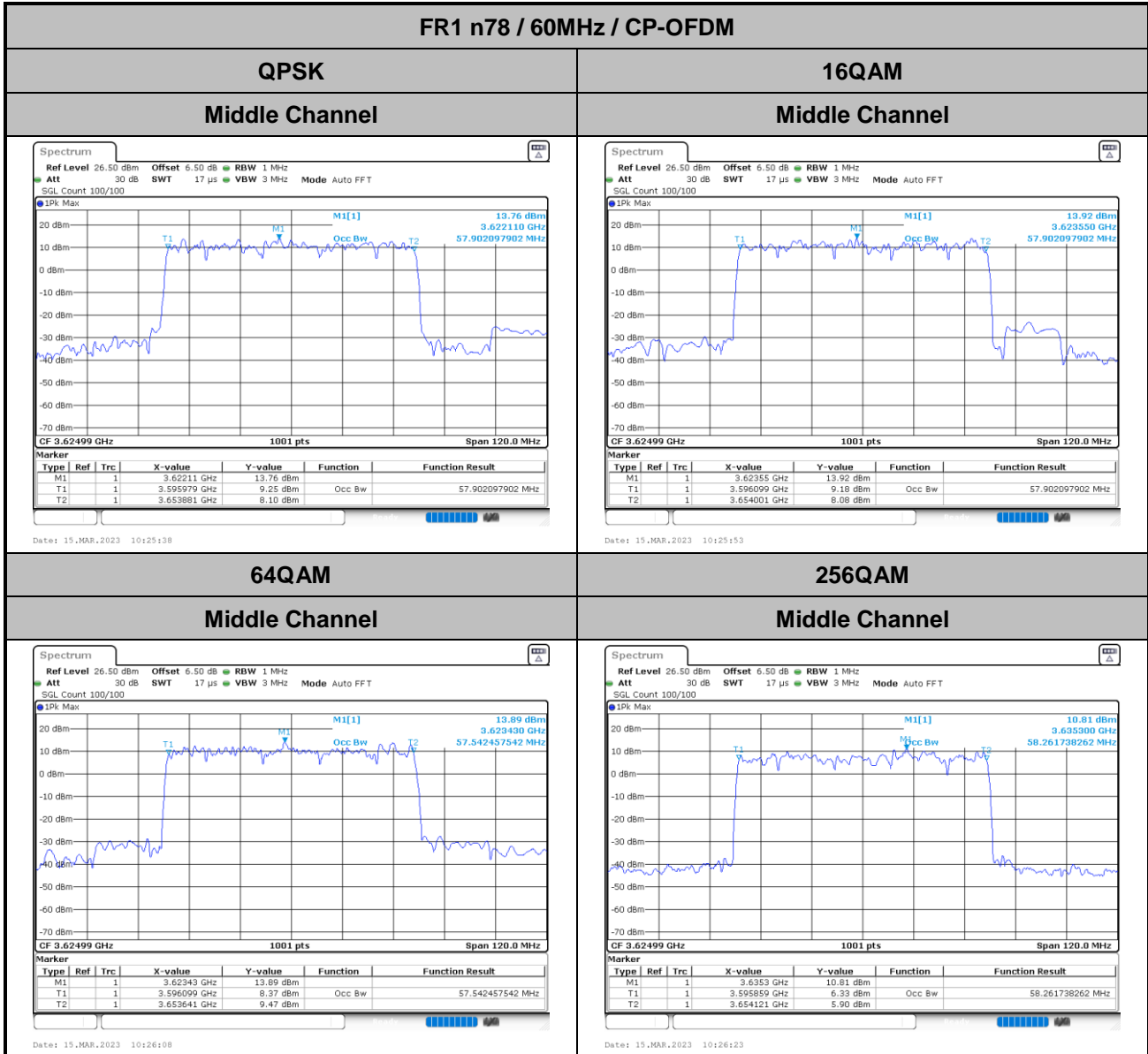
Middle Channel

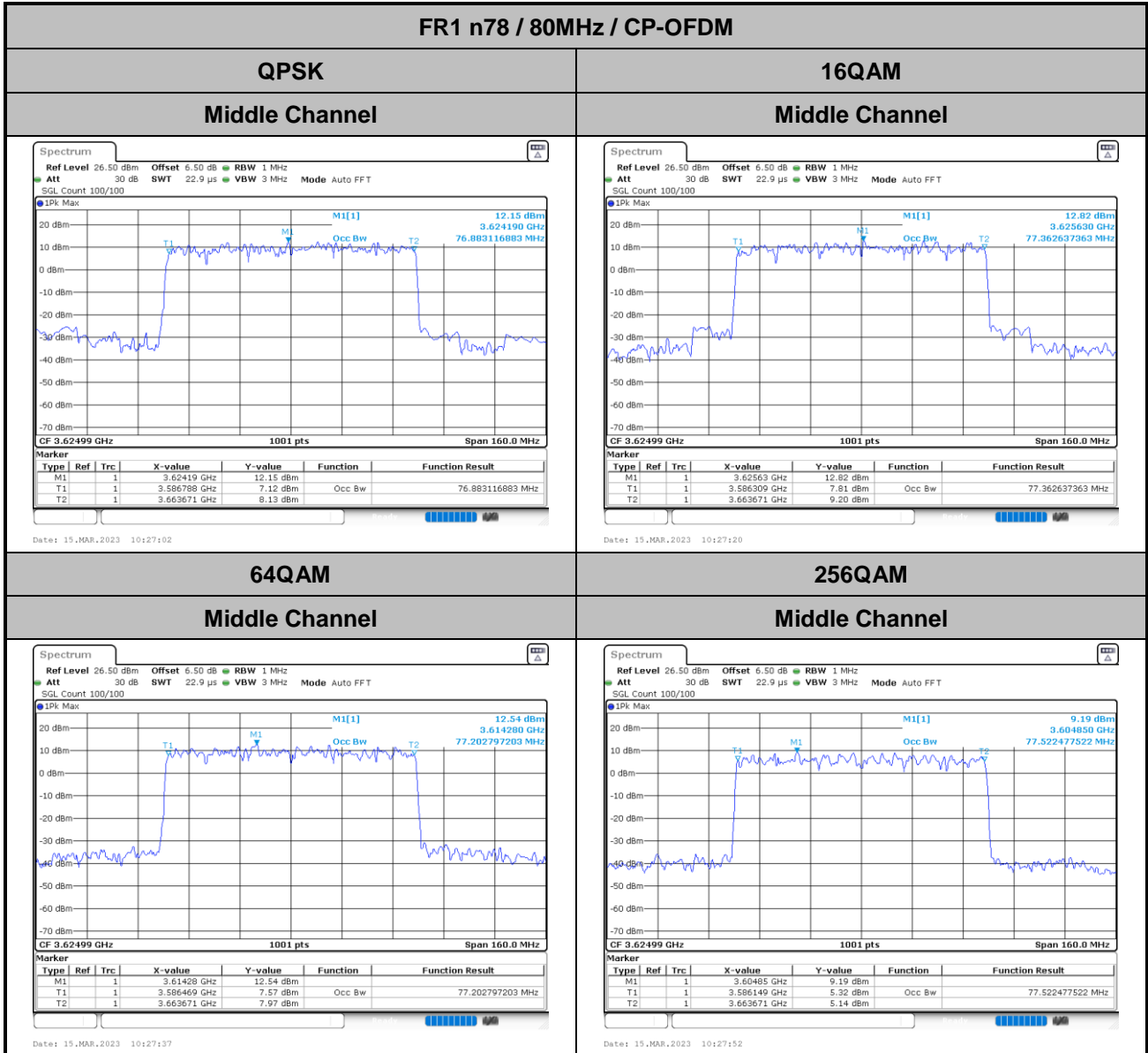
Middle Channel



Date: 15.MAR.2023 10:24:44

Date: 15.MAR.2023 10:24:58







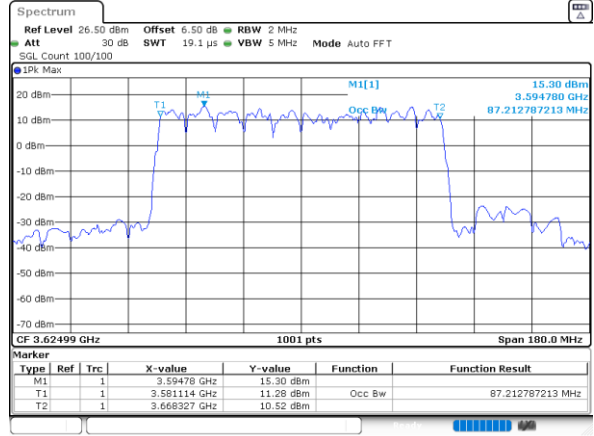
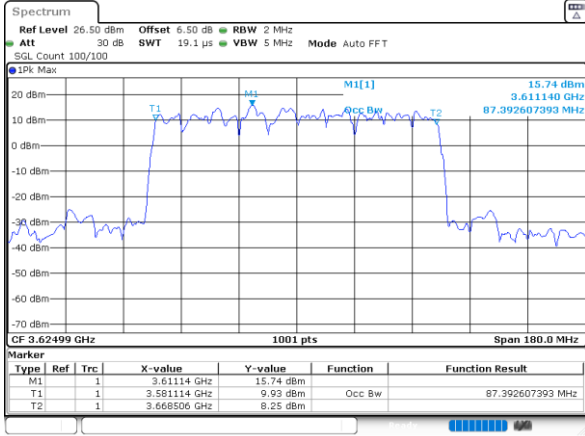
FR1 n78 / 90MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel

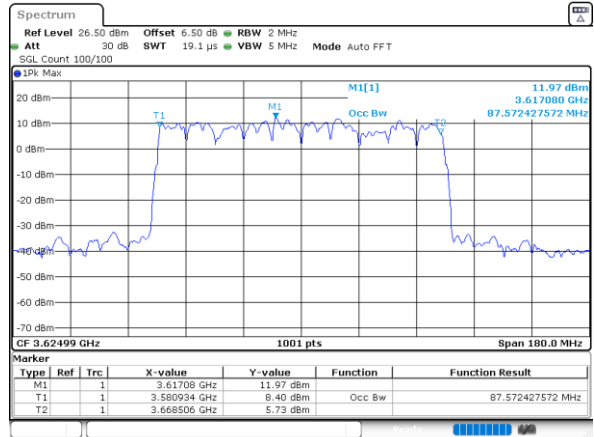
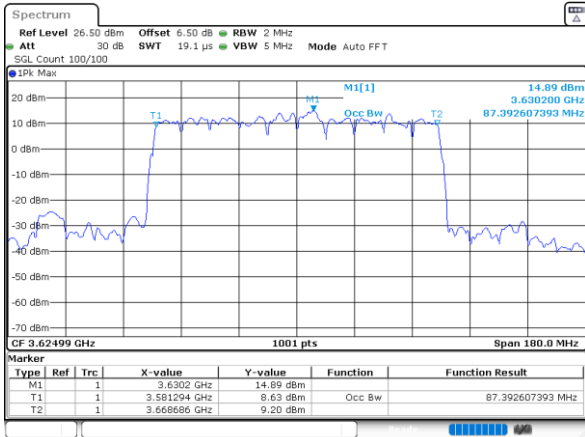


64QAM

256QAM

Middle Channel

Middle Channel





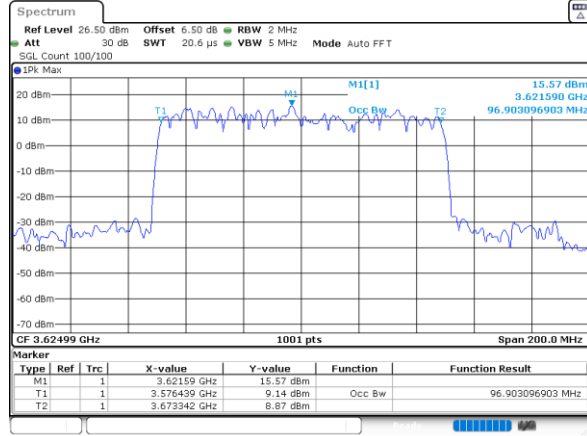
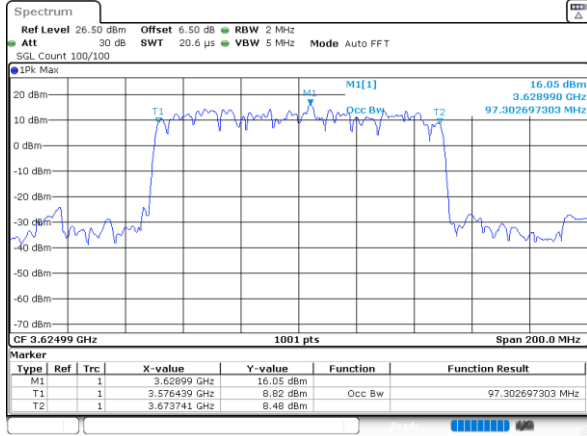
FR1 n78 / 100MHz / CP-OFDM

QPSK

16QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 10:30:05

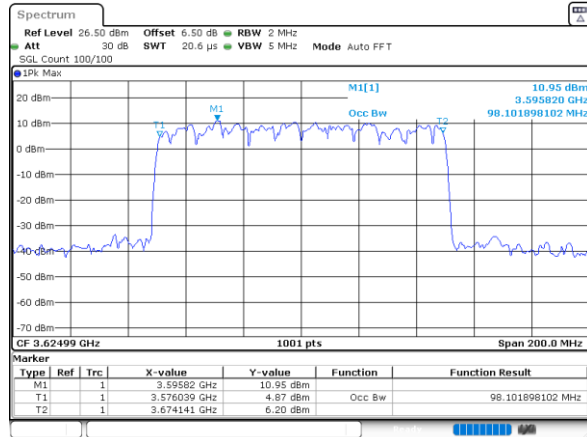
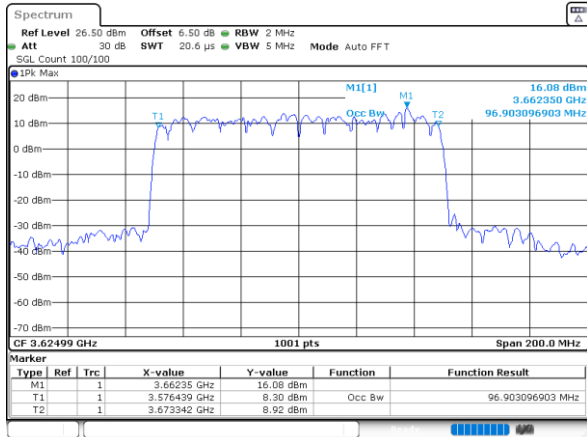
Date: 15.MAR.2023 10:30:22

64QAM

256QAM

Middle Channel

Middle Channel



Date: 15.MAR.2023 10:30:38

Date: 15.MAR.2023 10:30:56



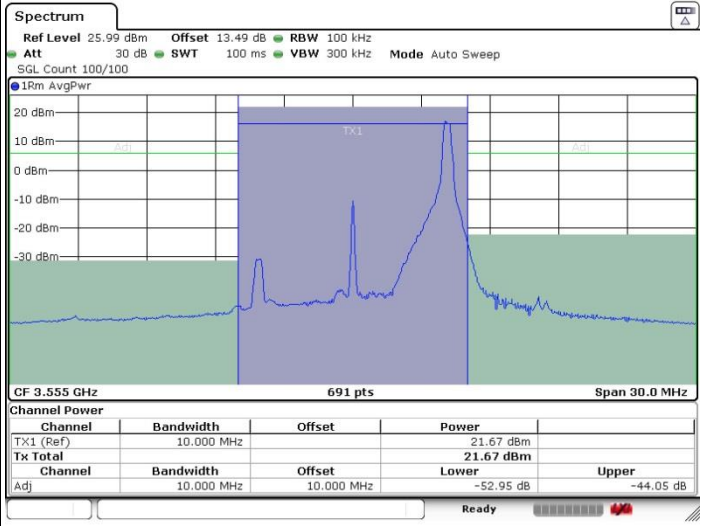
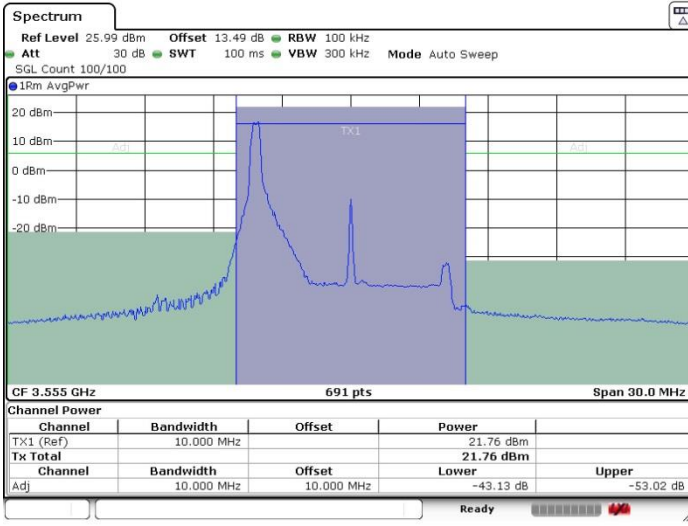
ACLR

FR1 n78 / 10MHz

BPSK

Lowest Channel / 1RB0

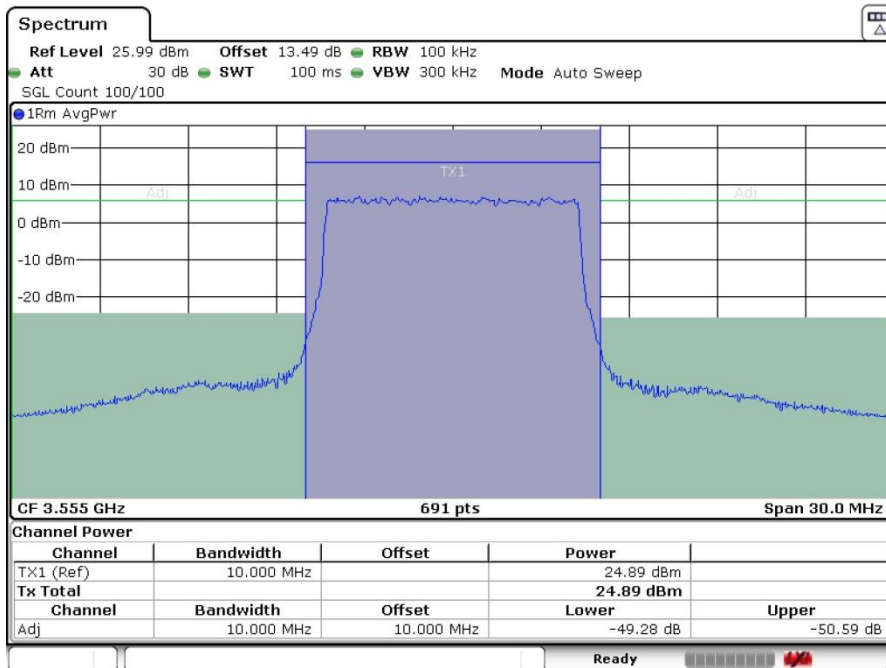
Lowest Channel / 1RBmax



Date: 14.APR.2023 05:18:29

Date: 14.APR.2023 05:27:31

Lowest Channel / FullRB



Date: 14.APR.2023 05:17:57

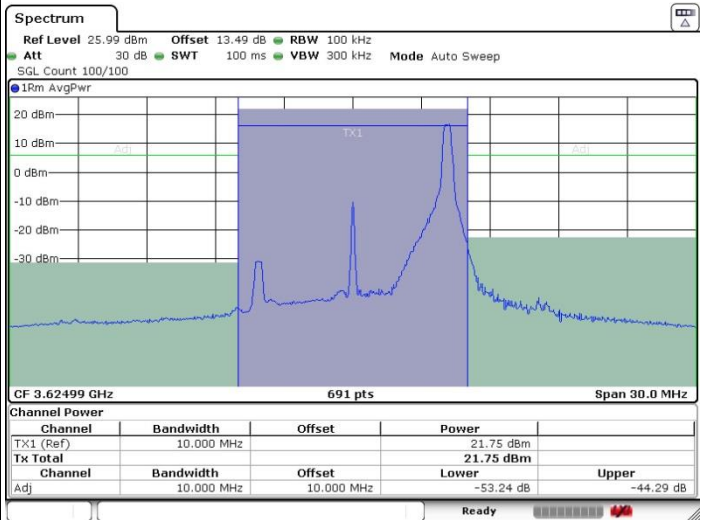
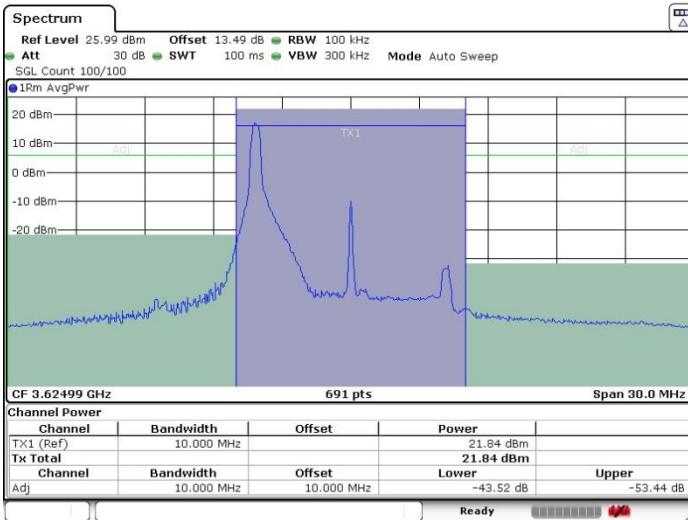


FR1 n78 / 10MHz

BPSK

Middle Channel / 1RB0

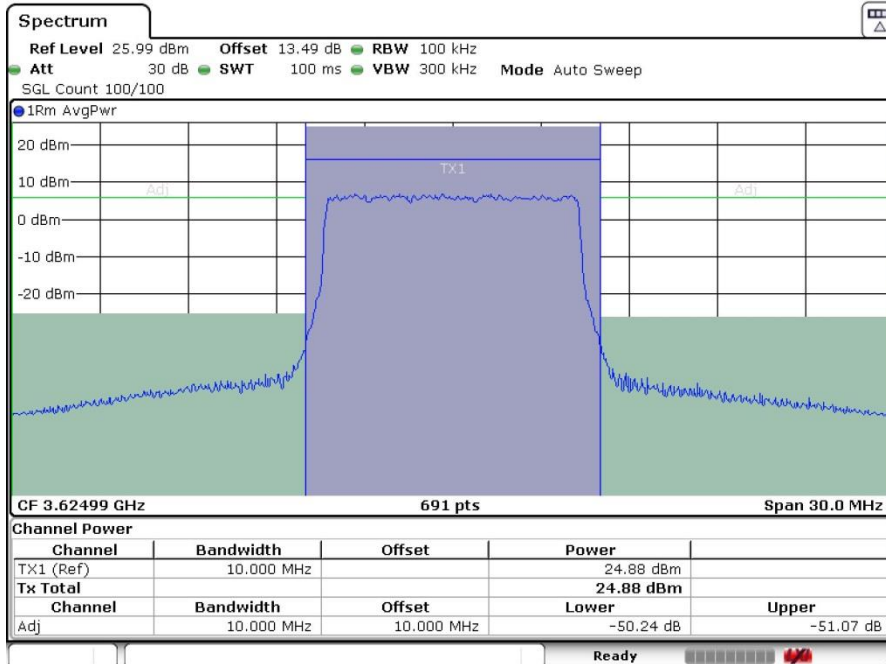
Middle Channel / 1RBmax



Date: 14.APR.2023 05:05:43

Date: 14.APR.2023 05:09:51

Middle Channel / FullIRB



Date: 14.APR.2023 05:10:47

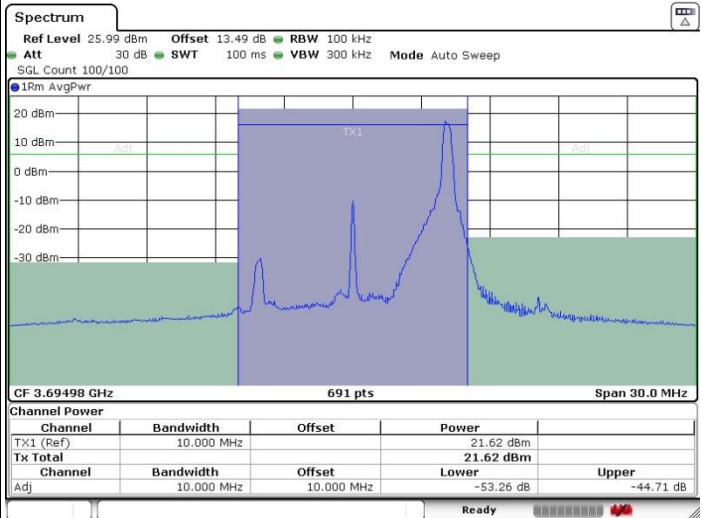
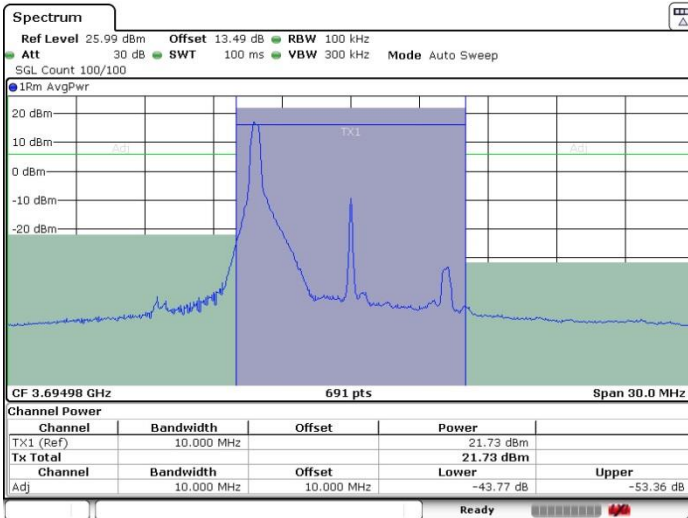


FR1 n78 / 10MHz

BPSK

Highest Channel / 1RB0

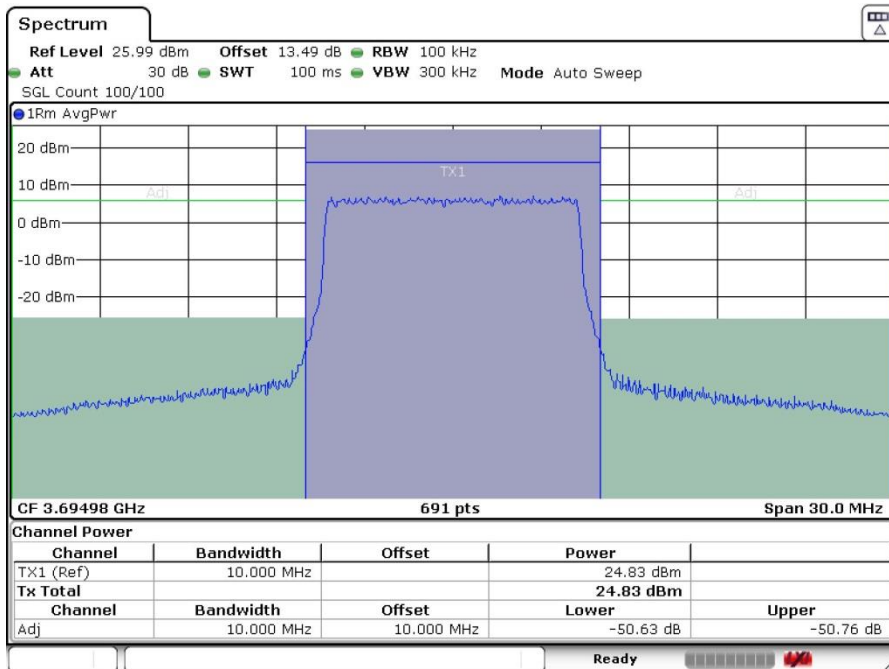
Highest Channel / 1RBmax



Date: 14.APR.2023 05:34:14

Date: 14.APR.2023 05:28:37

Highest Channel / FullRB



Date: 14.APR.2023 05:34:46