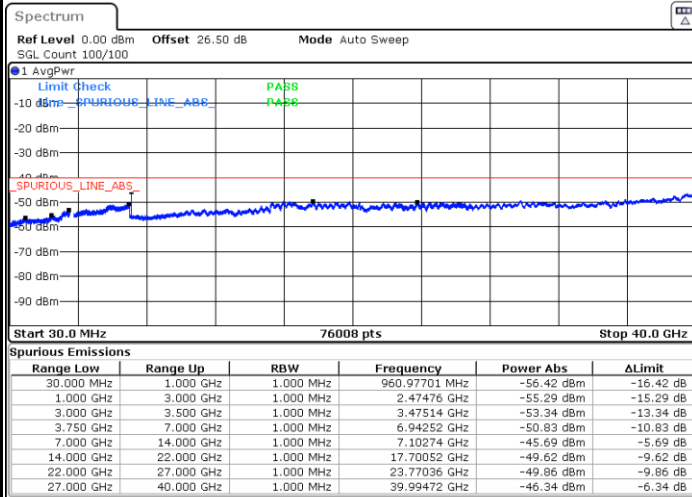




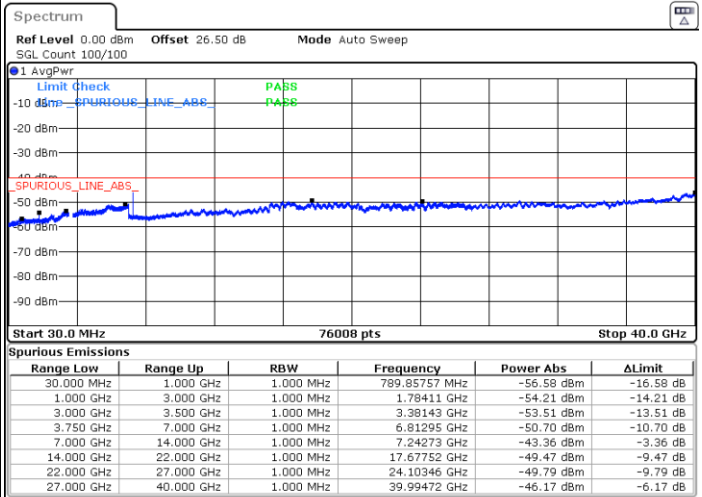
FR1 n48 / 10MHz / CP / 16QAM

Lowest Channel / 1RB



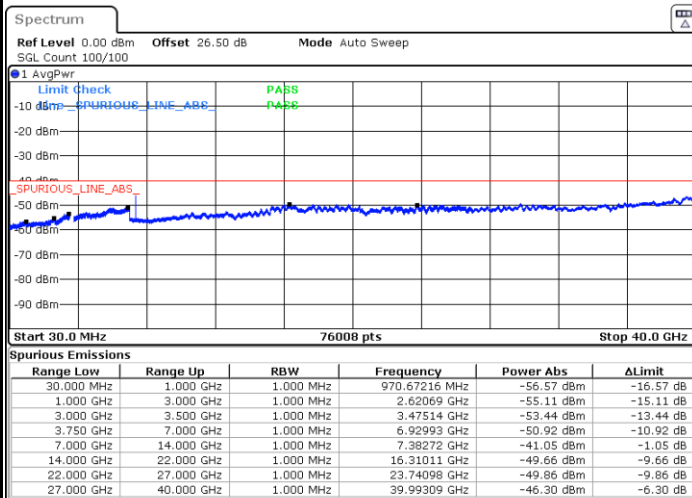
Date: 11.MAR.2023 10:12:39

Middle Channel / 1RB



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

Highest Channel / 1RB



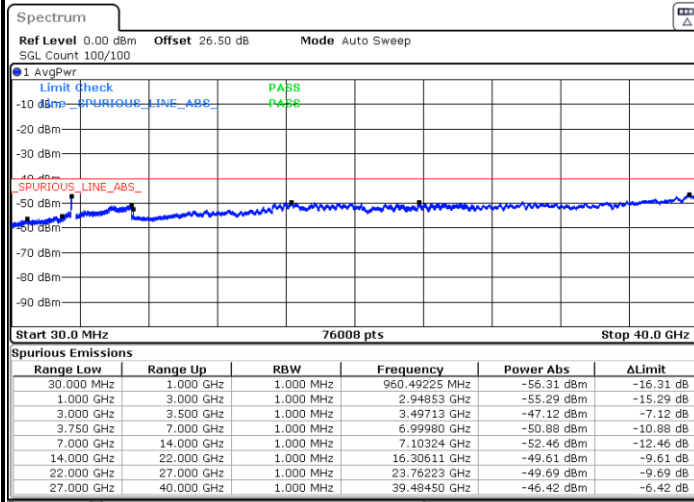
Date: 11.MAR.2023 10:14:23

NA



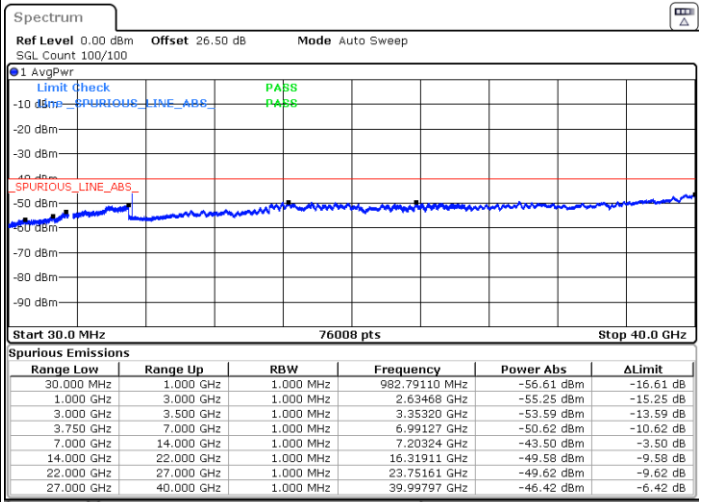
FR1 n48 / 50MHz / CP / QPSK

Lowest Channel / 1RB



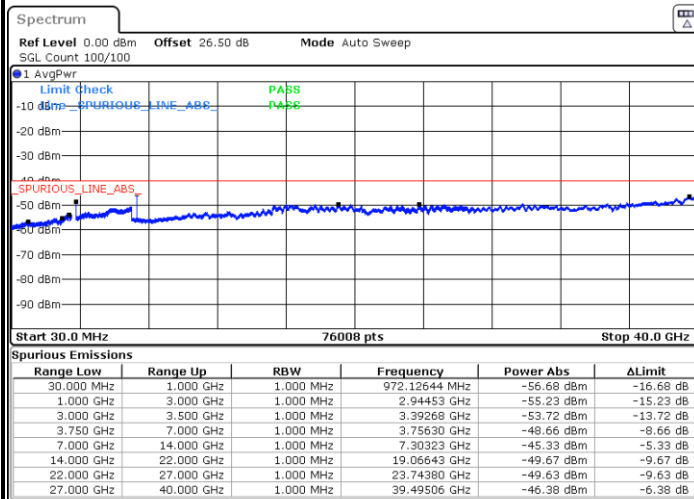
Date: 11.MAR.2023 09:48:45

Middle Channel / 1RB



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

Highest Channel / 1RB



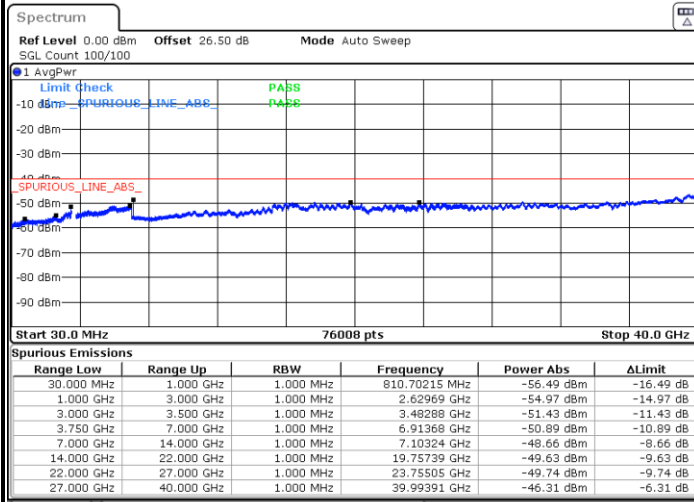
Date: 11.MAR.2023 09:54:30

NA



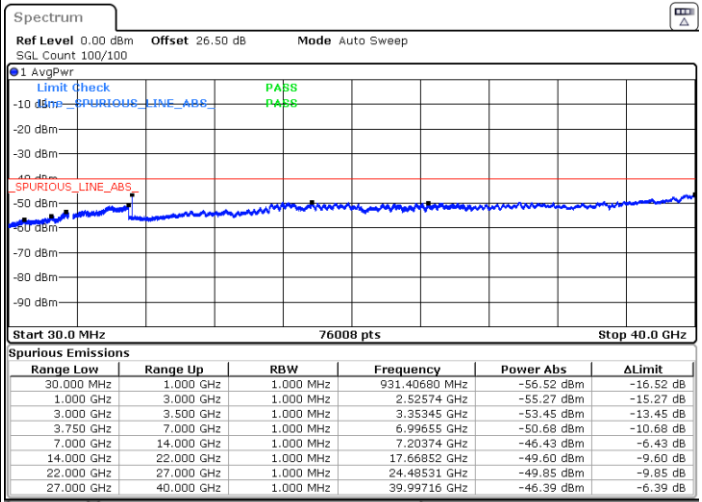
FR1 n48 / 50MHz / CP / 16QAM

Lowest Channel / 1RB



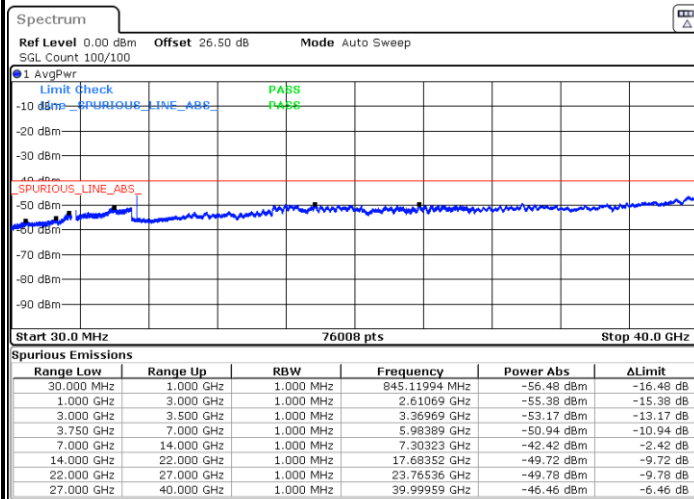
Date: 11.MAR.2023 09:46:28

Middle Channel / 1RB



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

Highest Channel / 1RB



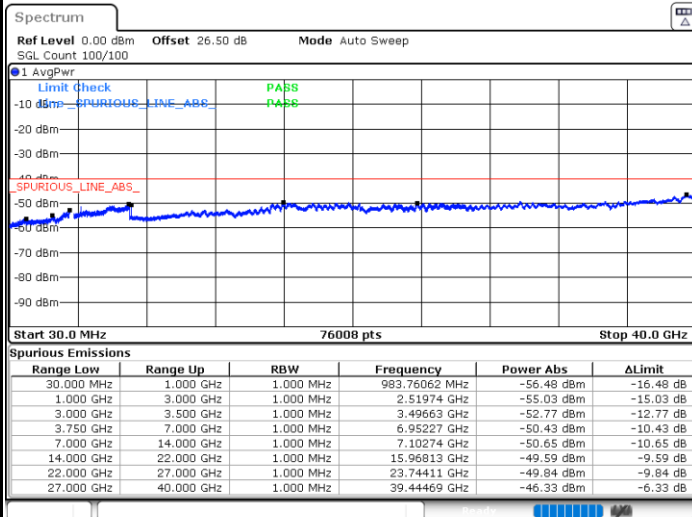
Date: 11.MAR.2023 09:57:39

NA



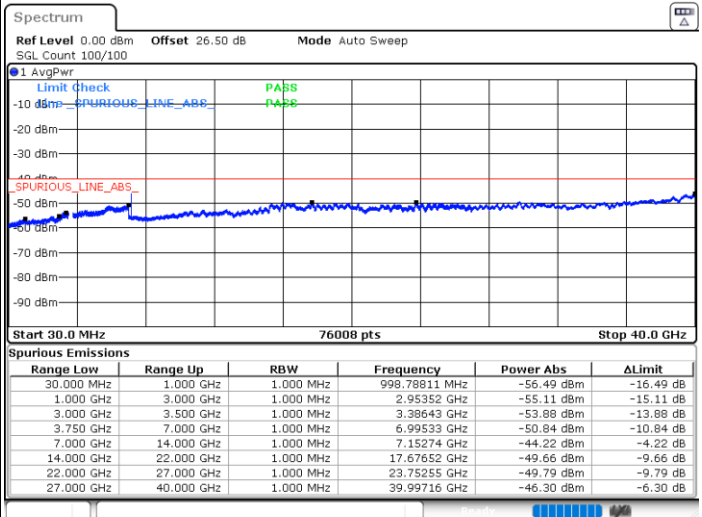
FR1 n48 / 100MHz / CP / QPSK

Lowest Channel / 1RB



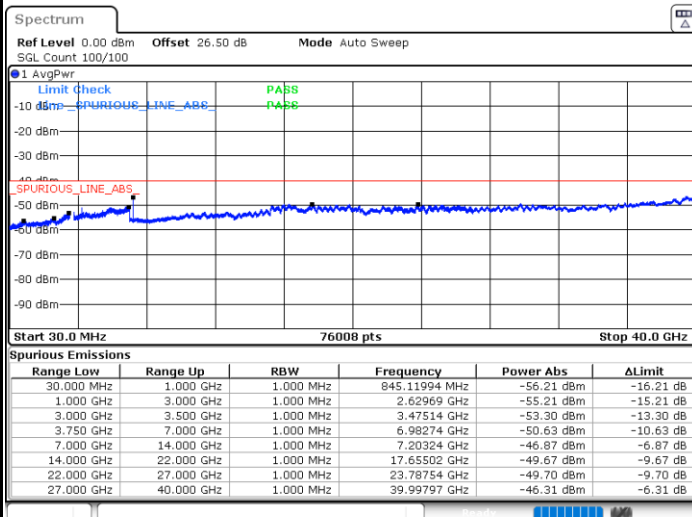
Date: 11.MAR.2023 09:33:13

Middle Channel / 1RB



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

Highest Channel / 1RB



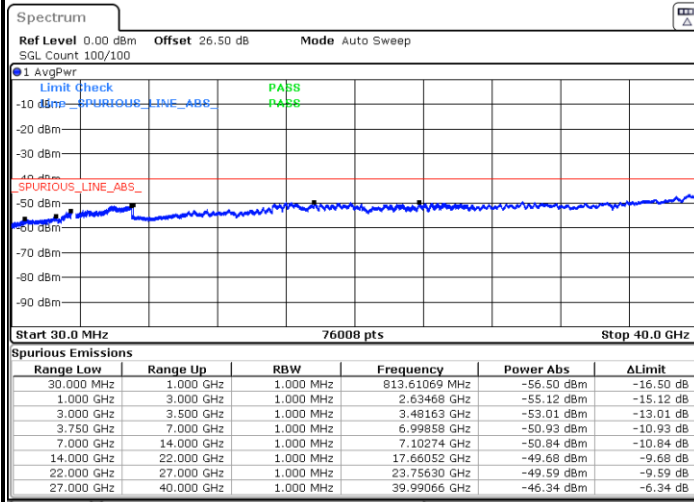
Date: 11.MAR.2023 09:39:28

NA



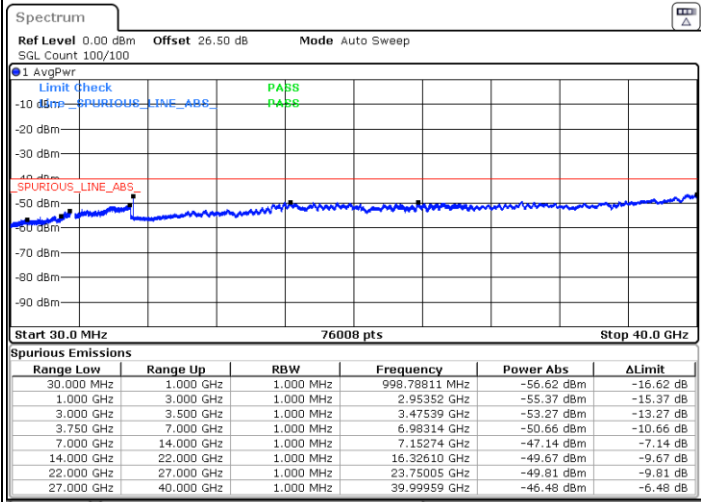
FR1 n48 / 100MHz / CP / 16QAM

Lowest Channel / 1RB



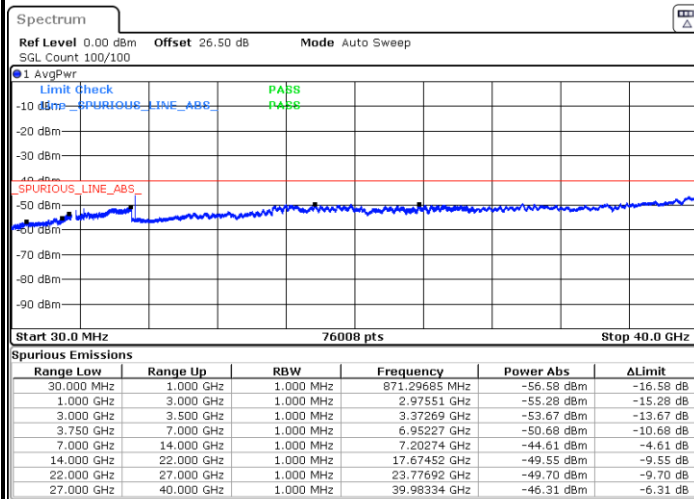
Date: 11.MAR.2023 09:31:20

Middle Channel / 1RB



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

Highest Channel / 1RB



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

NA

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

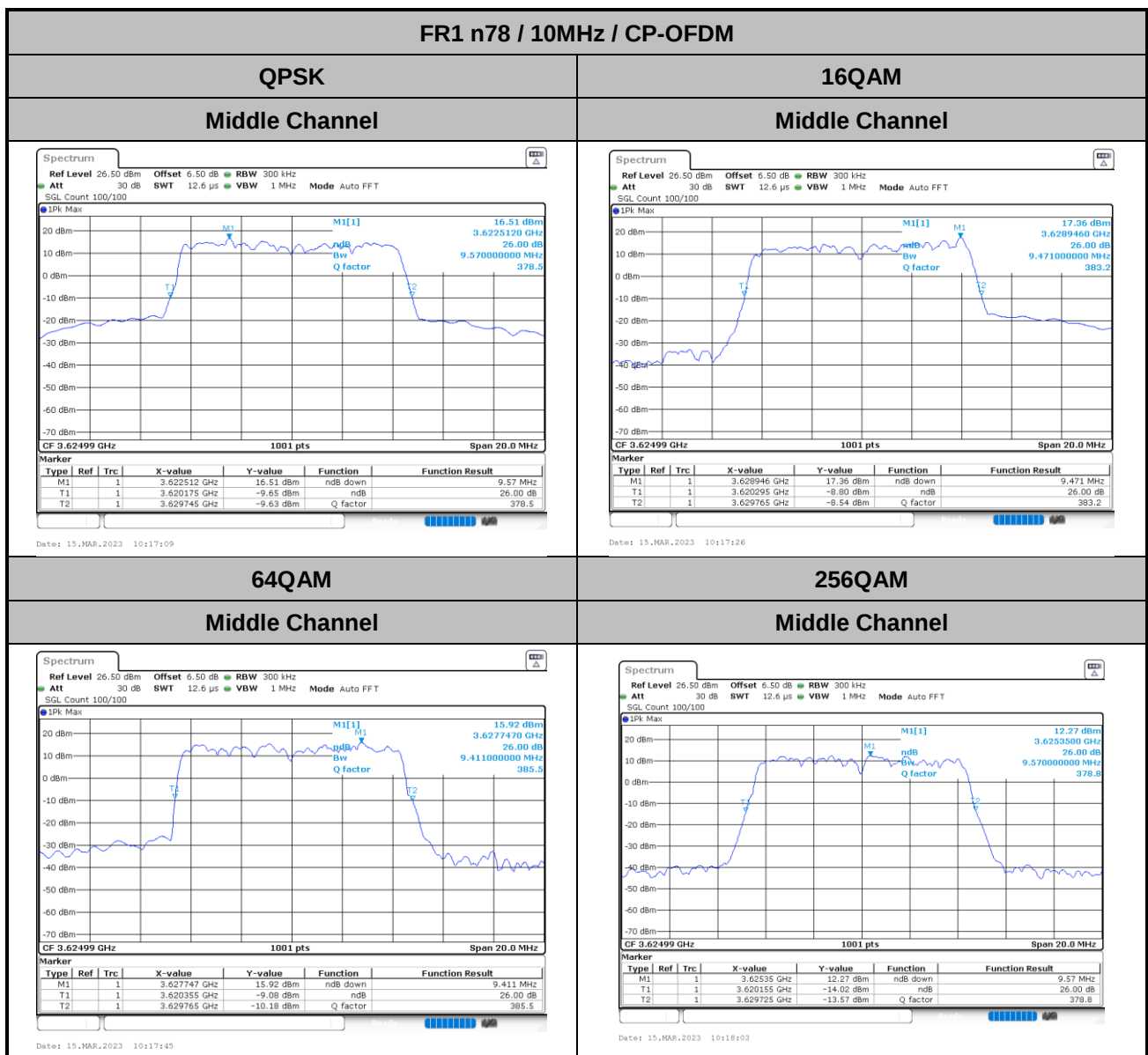
Mode	FR1 n78 : 26dB BW(10 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	9.57	9.47	9.41	9.57
Mode	FR1 n78 : 26dB BW(15 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	14.36	14.39	14.42	14.36
Mode	FR1 n78 : 26dB BW(20 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	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

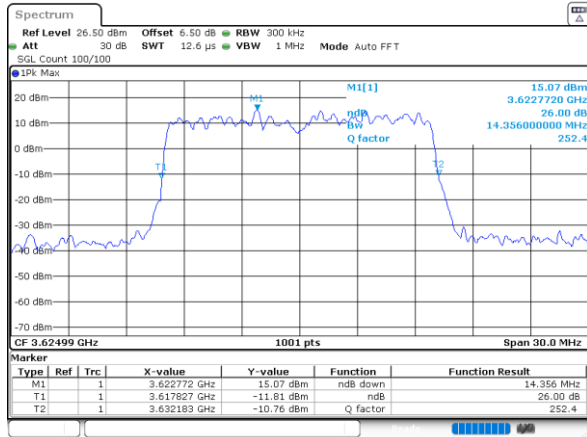




FR1 n78 / 15MHz / CP-OFDM

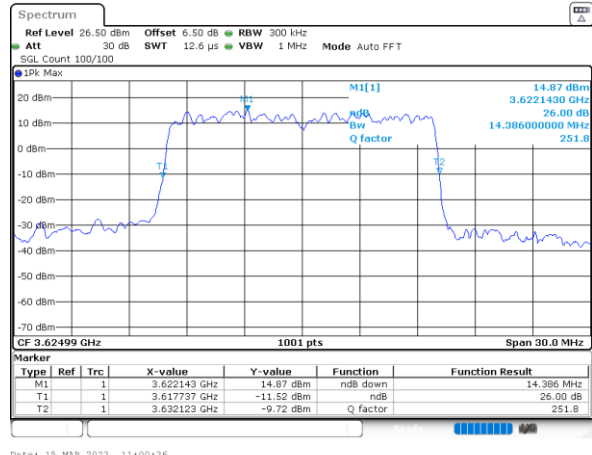
QPSK

Middle Channel



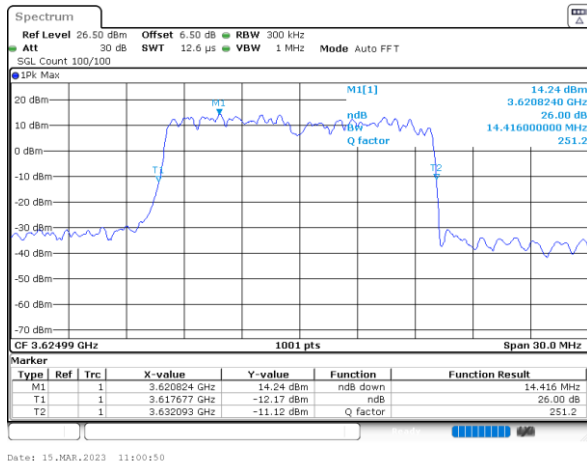
16QAM

Middle Channel



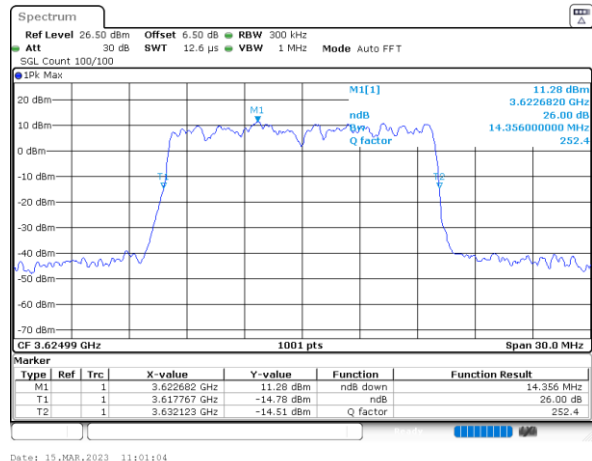
64QAM

Middle Channel



256QAM

Middle Channel

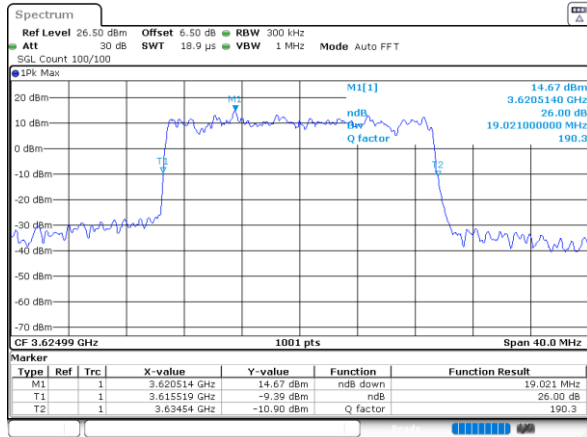




FR1 n78 / 20MHz / CP-OFDM

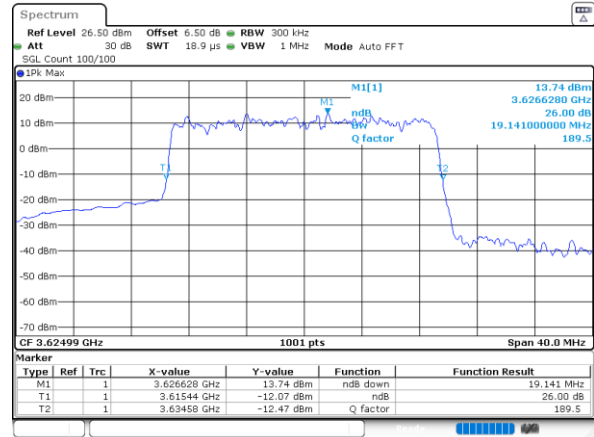
QPSK

Middle Channel



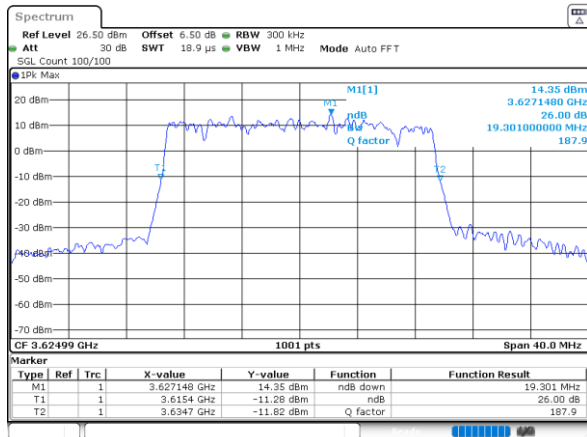
16QAM

Middle Channel



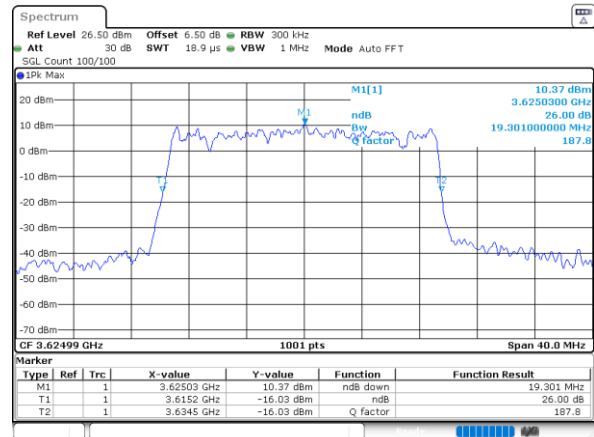
64QAM

Middle Channel



256QAM

Middle Channel

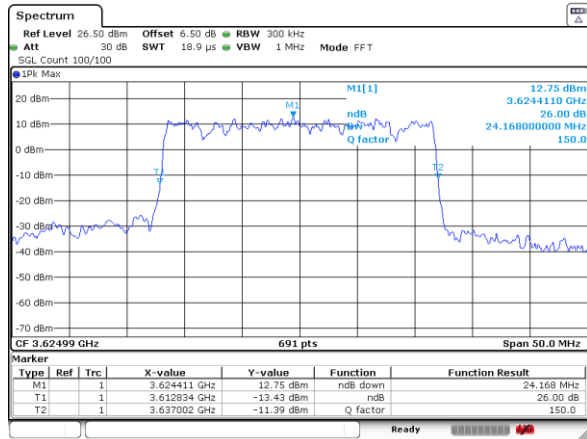




FR1 n78 / 25MHz / CP-OFDM

QPSK

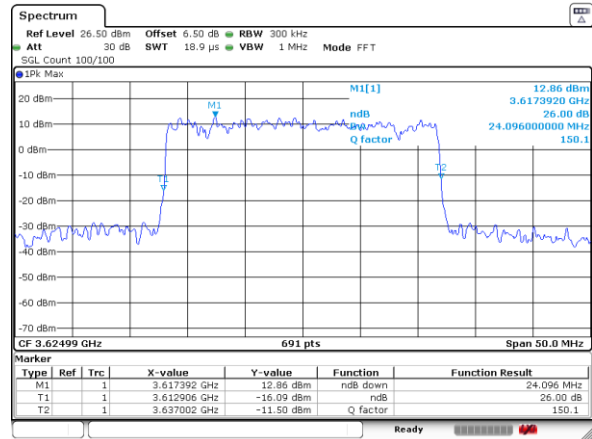
Middle Channel



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

16QAM

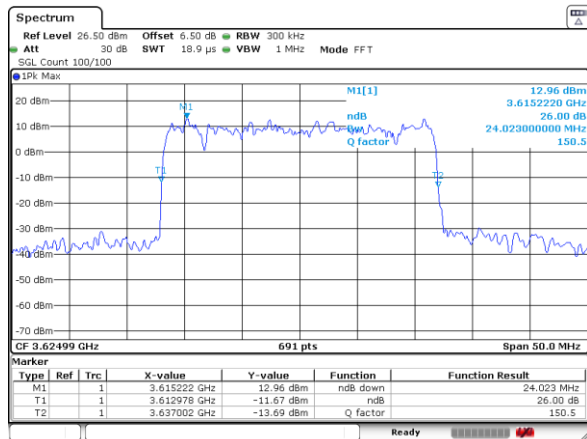
Middle Channel



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

64QAM

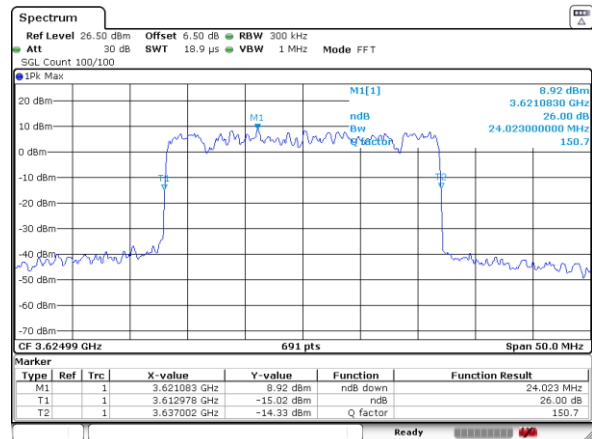
Middle Channel



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

256QAM

Middle Channel



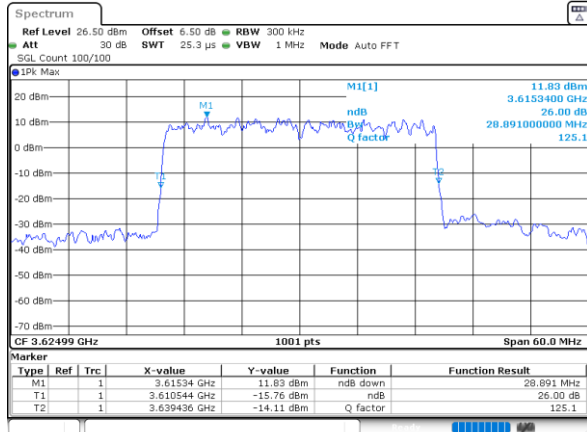
Date: 28.MAR.2023 22:27:44



FR1 n78 / 30MHz / CP-OFDM

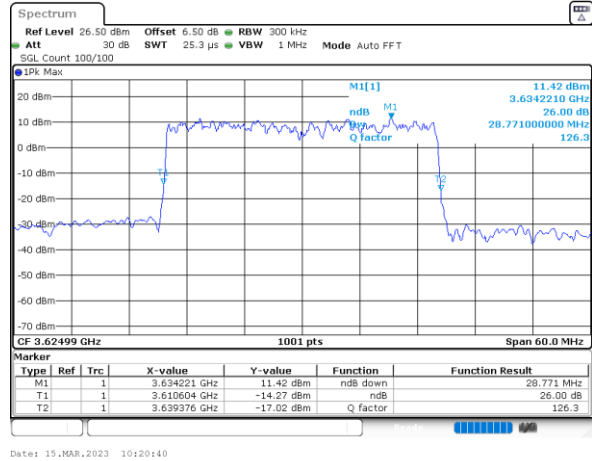
QPSK

Middle Channel



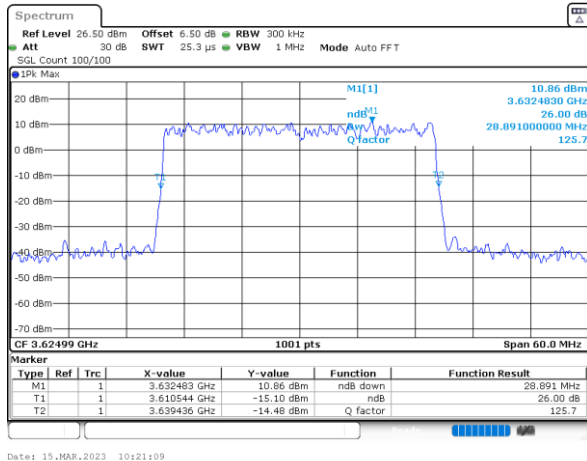
16QAM

Middle Channel



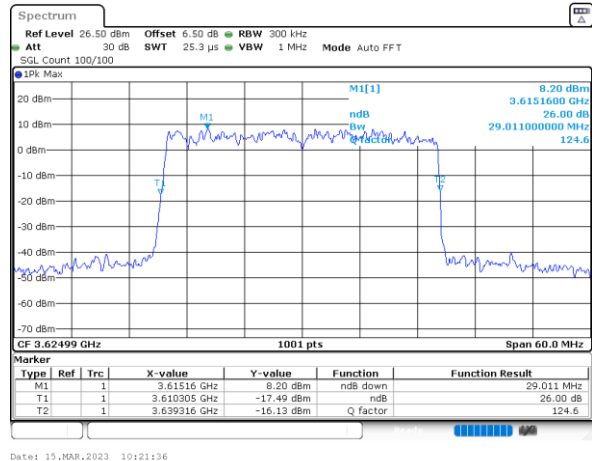
64QAM

Middle Channel



256QAM

Middle Channel

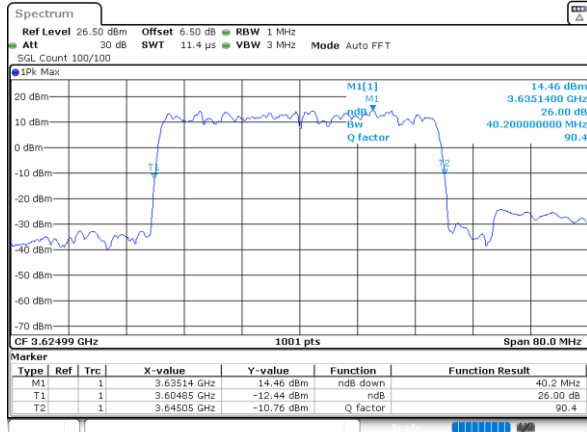




FR1 n78 / 40MHz / CP-OFDM

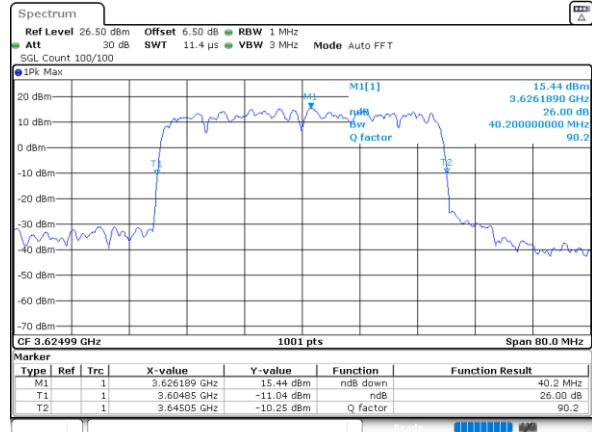
QPSK

Middle Channel



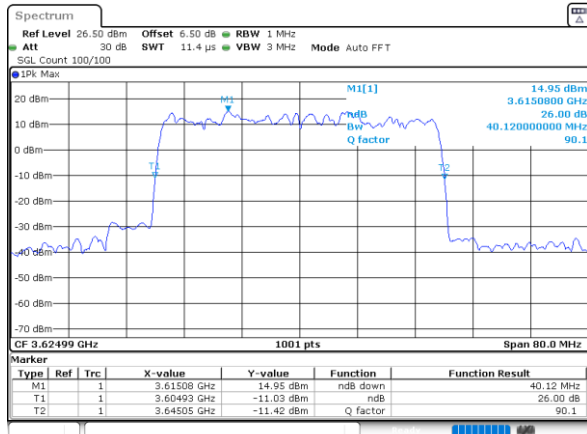
16QAM

Middle Channel



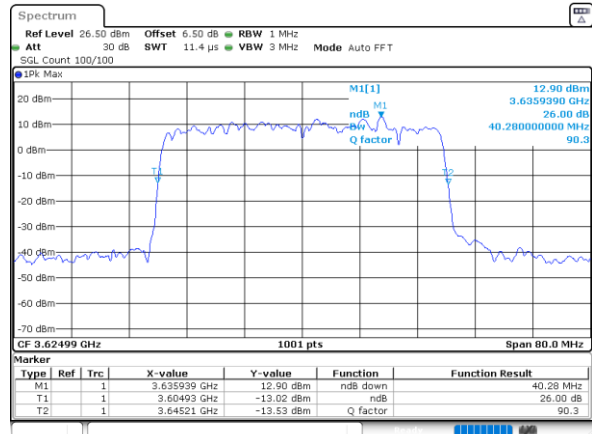
64QAM

Middle Channel



256QAM

Middle Channel

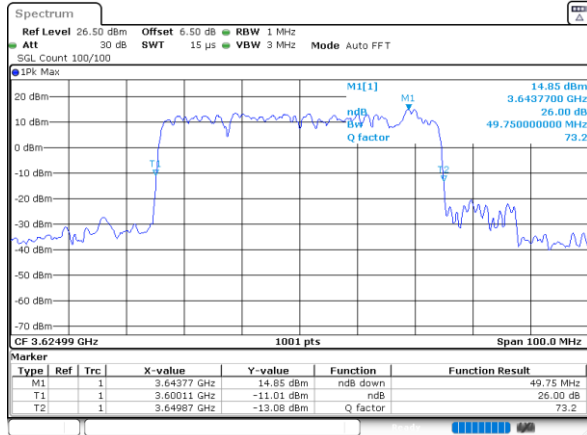




FR1 n78 / 50MHz / CP-OFDM

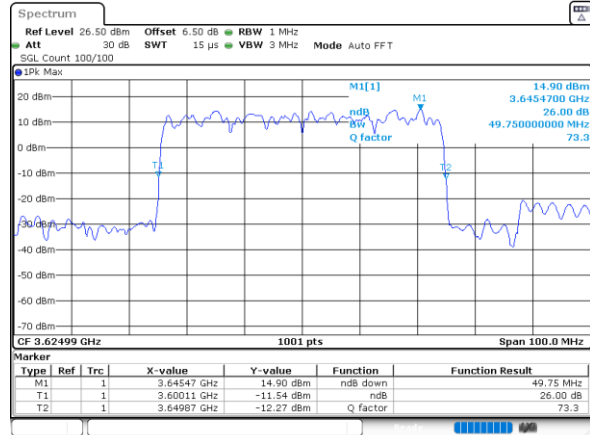
QPSK

Middle Channel



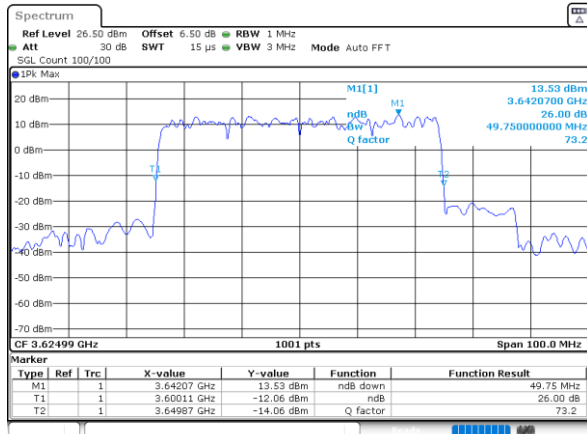
16QAM

Middle Channel



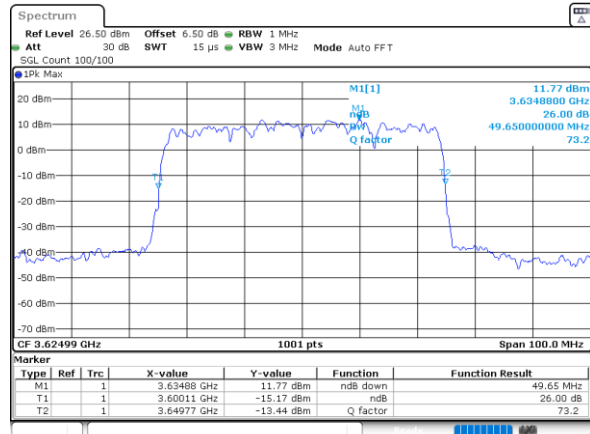
64QAM

Middle Channel



256QAM

Middle Channel

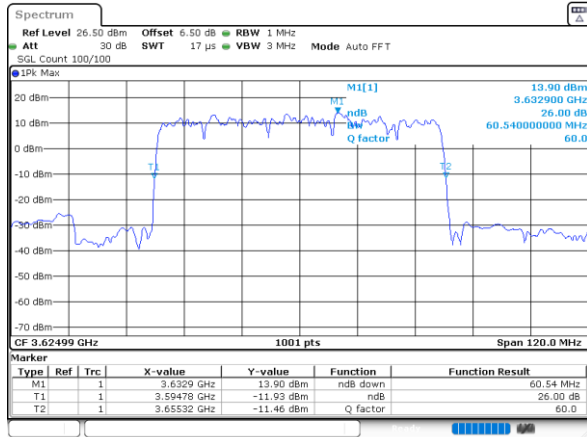




FR1 n78 / 60MHz / CP-OFDM

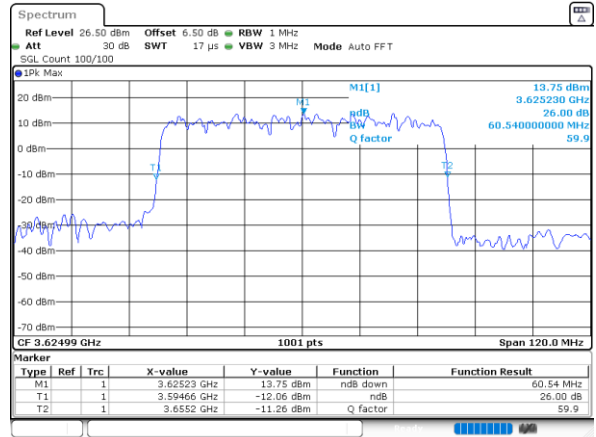
QPSK

Middle Channel



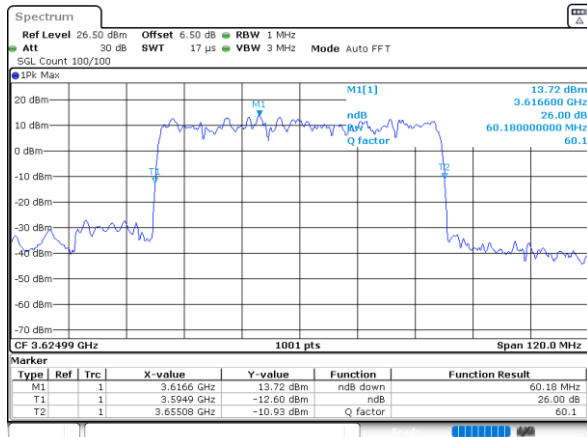
16QAM

Middle Channel



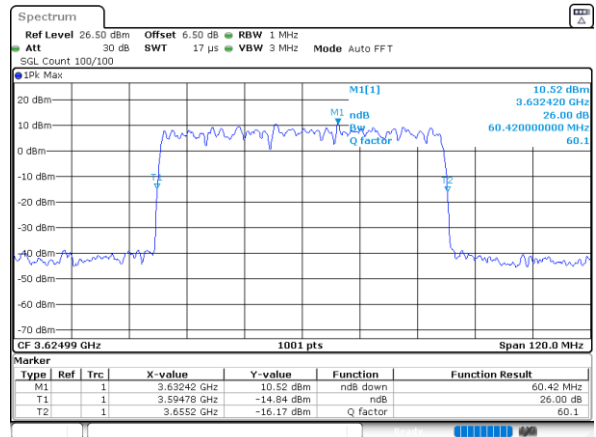
64QAM

Middle Channel



256QAM

Middle Channel

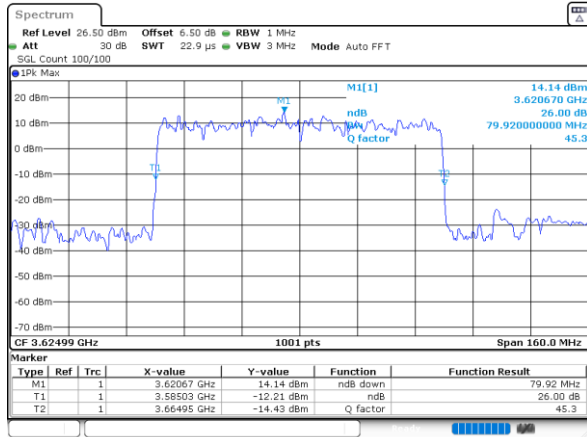




FR1 n78 / 80MHz / CP-OFDM

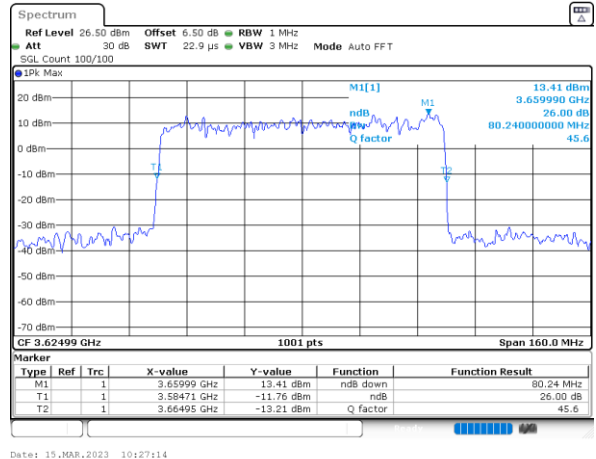
QPSK

Middle Channel



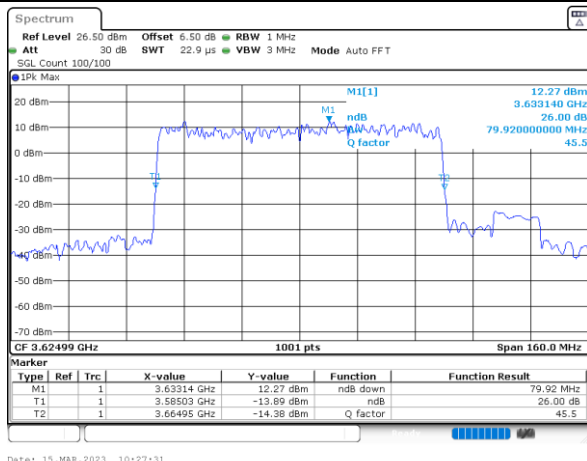
16QAM

Middle Channel



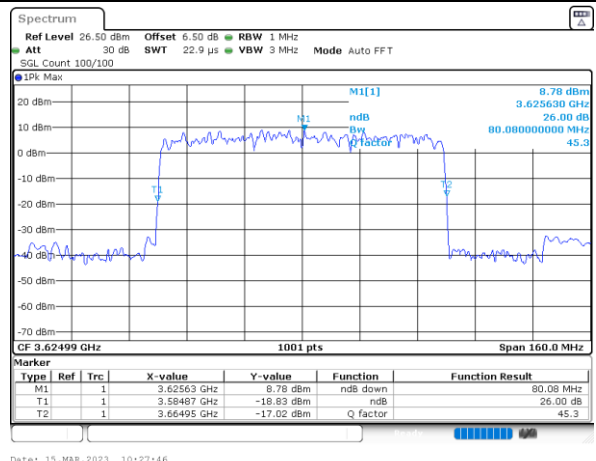
64QAM

Middle Channel



256QAM

Middle Channel

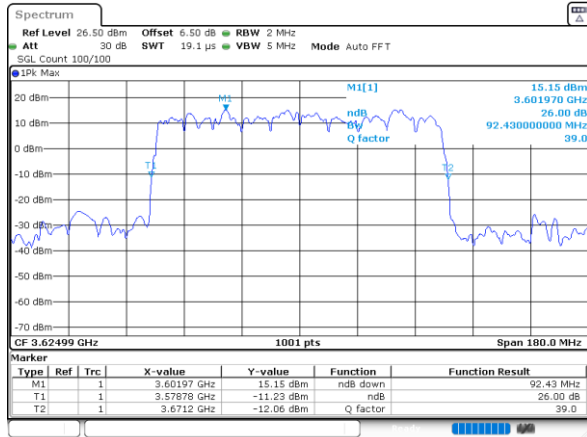




FR1 n78 / 90MHz / CP-OFDM

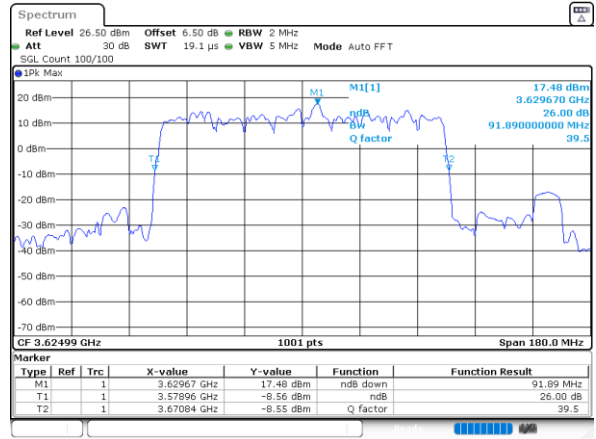
QPSK

Middle Channel



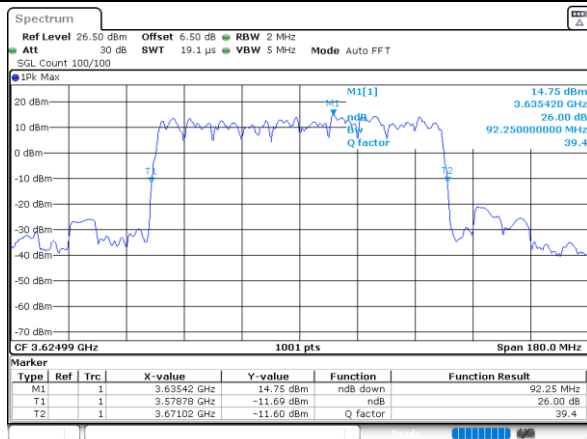
16QAM

Middle Channel



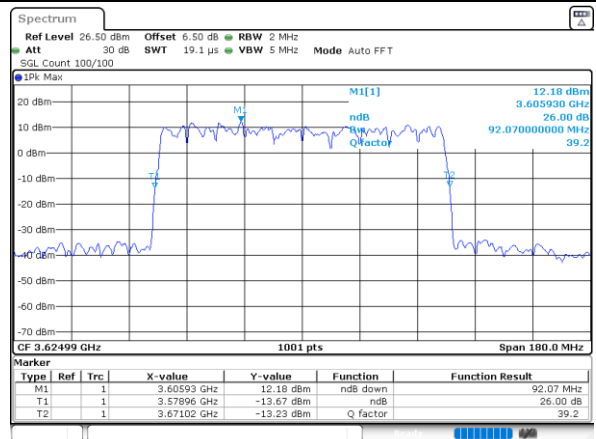
64QAM

Middle Channel



256QAM

Middle Channel

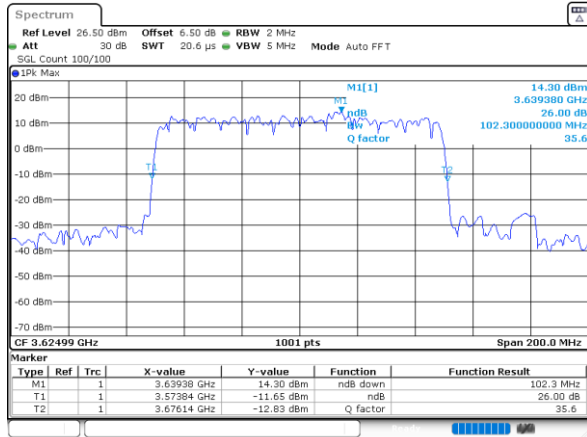




FR1 n78 / 100MHz / CP-OFDM

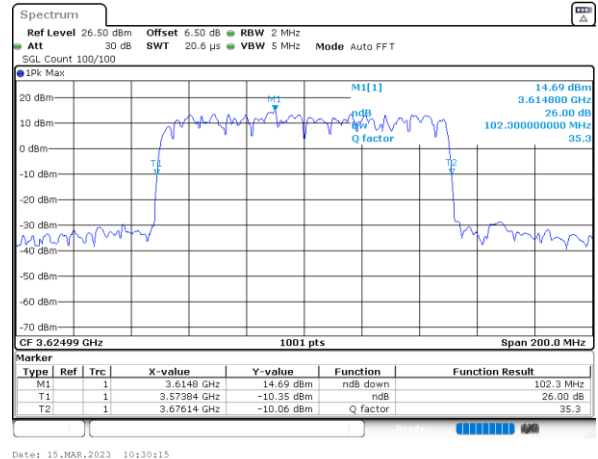
QPSK

Middle Channel



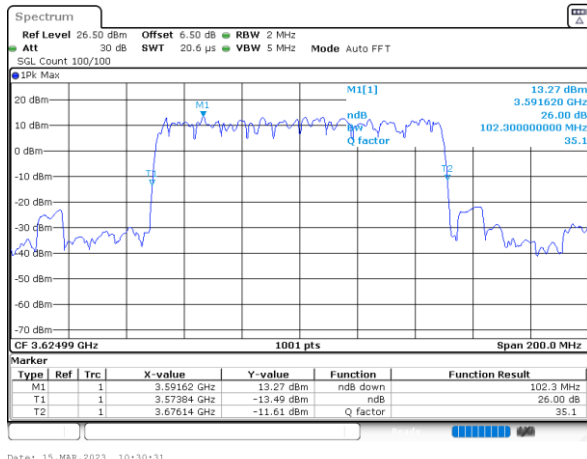
16QAM

Middle Channel



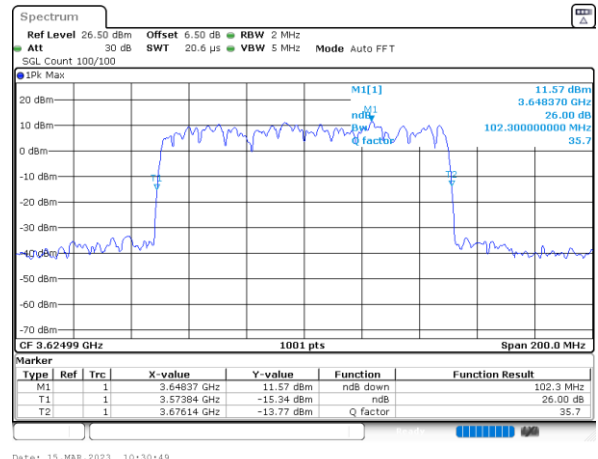
64QAM

Middle Channel



256QAM

Middle Channel

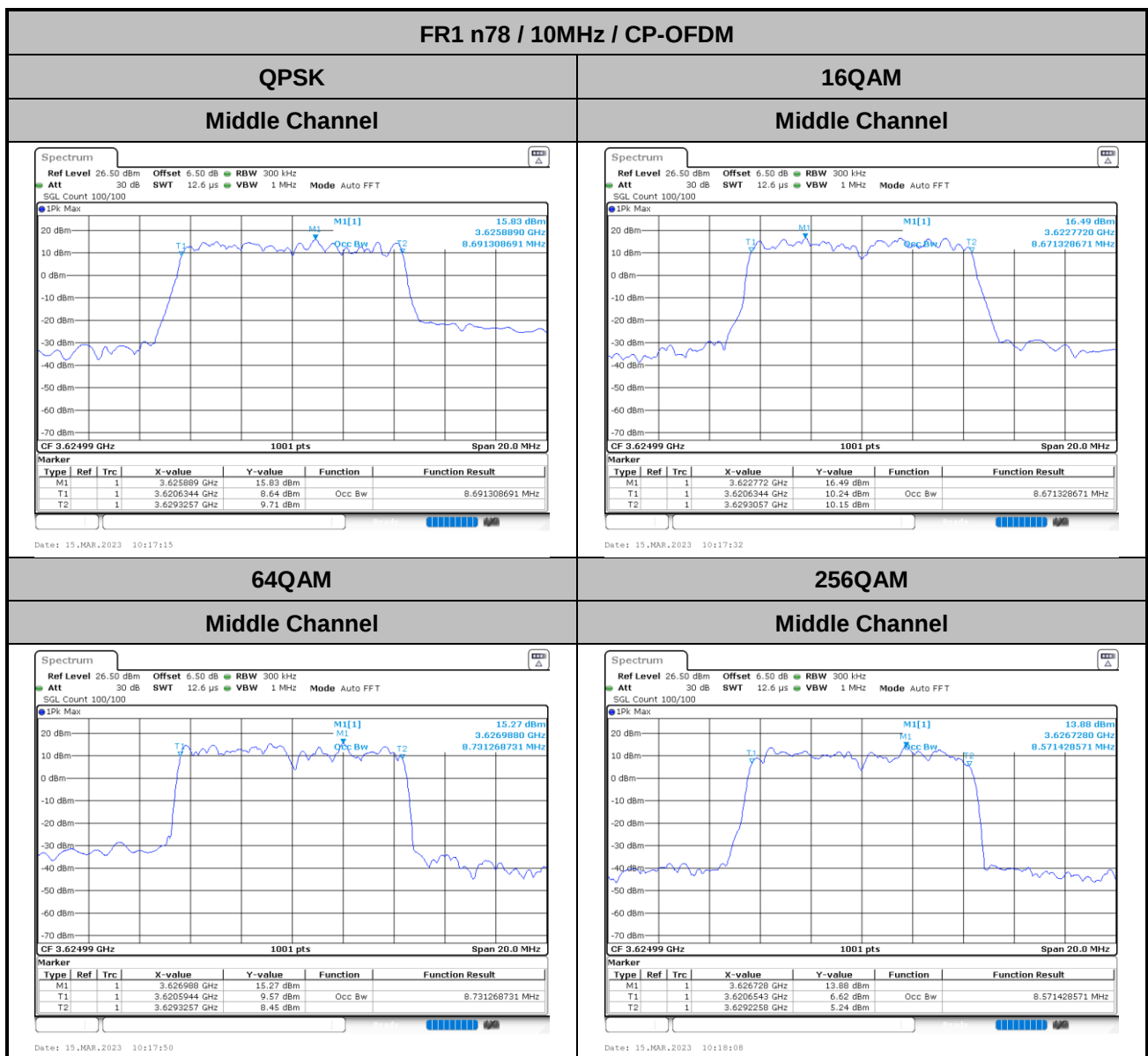


Occupied Bandwidth

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

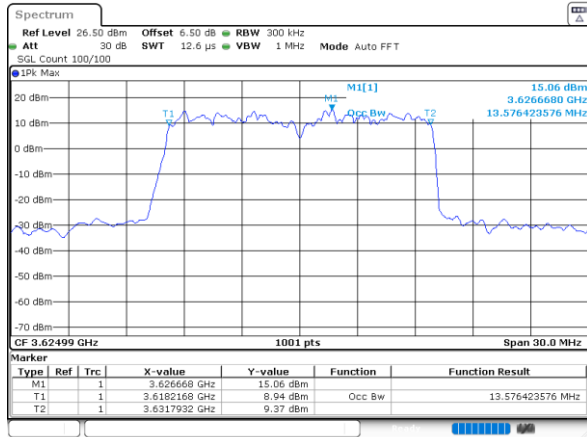




FR1 n78 / 15MHz / CP-OFDM

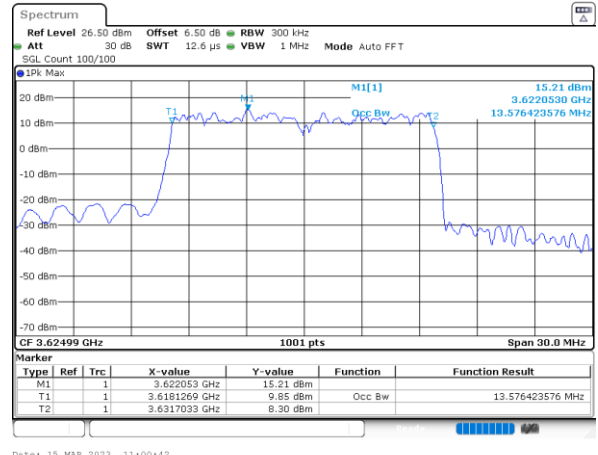
QPSK

Middle Channel



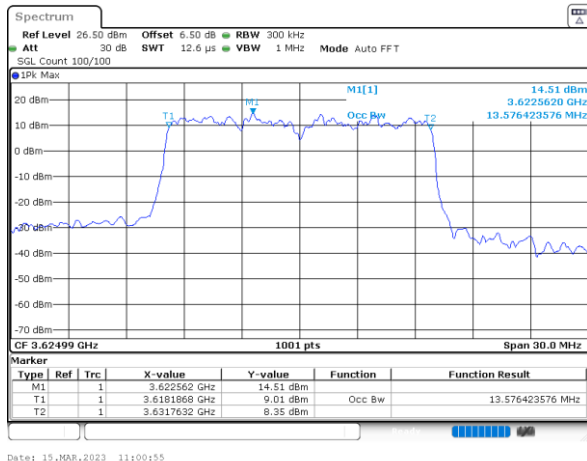
16QAM

Middle Channel



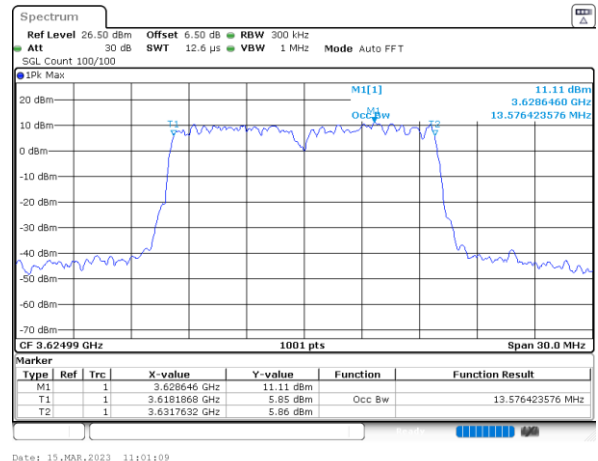
64QAM

Middle Channel



256QAM

Middle Channel

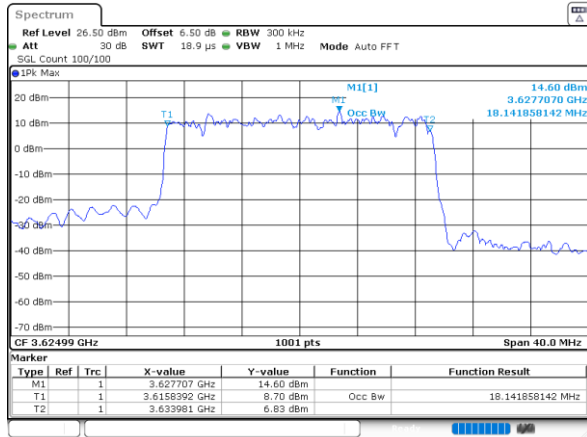




FR1 n78 / 20MHz / CP-OFDM

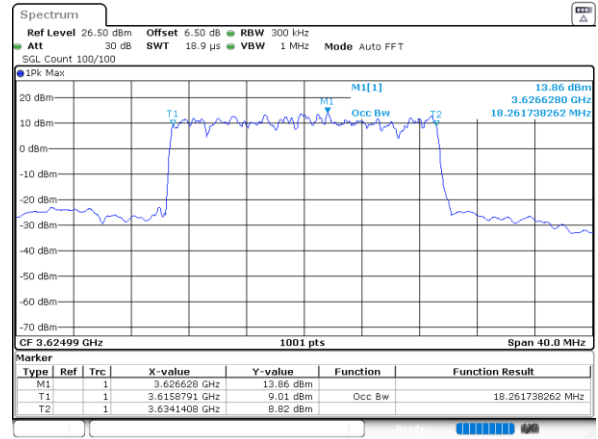
QPSK

Middle Channel



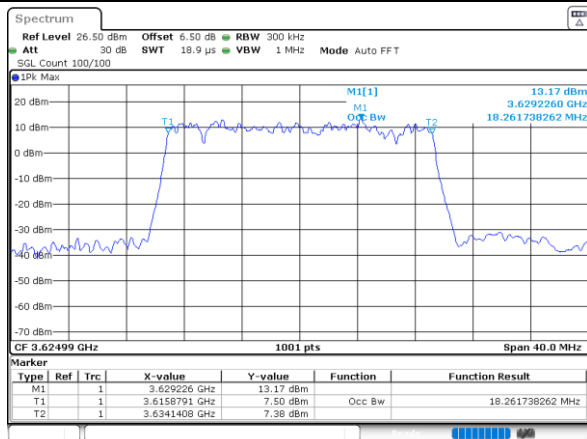
16QAM

Middle Channel



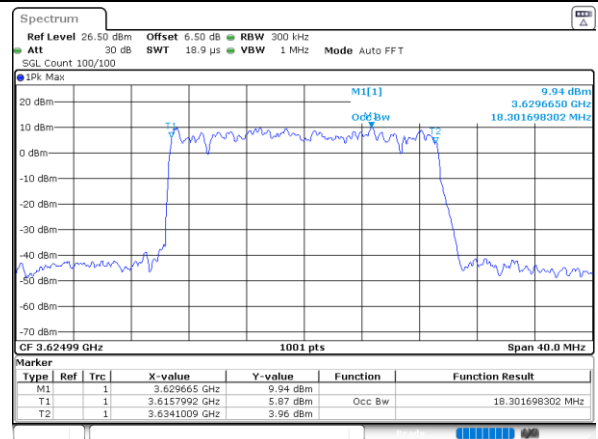
64QAM

Middle Channel



256QAM

Middle Channel

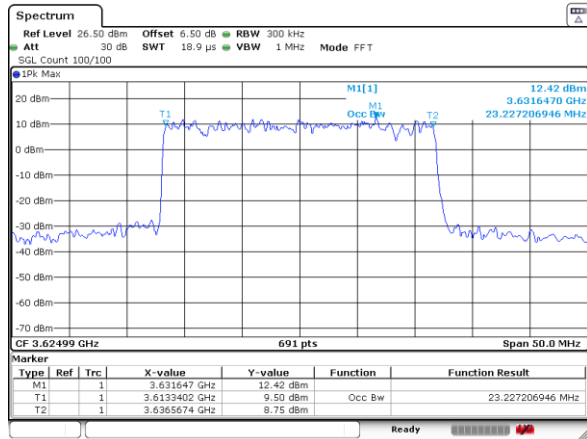




FR1 n78 / 25MHz / CP-OFDM

QPSK

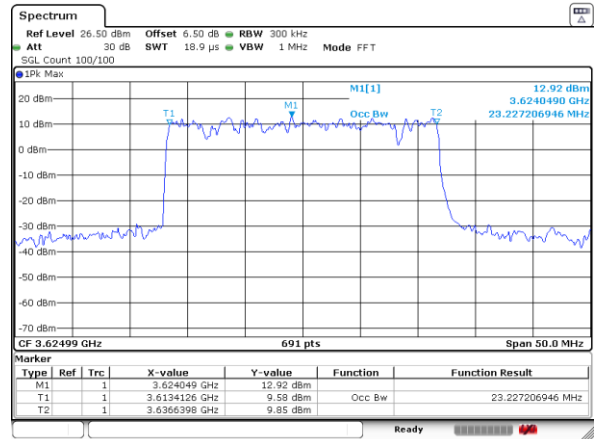
Middle Channel



Date: 28.MAR.2023 22:29:25

16QAM

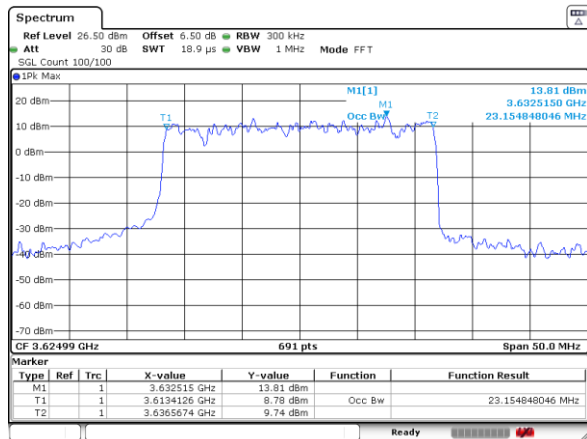
Middle Channel



Date: 28.MAR.2023 22:29:07

64QAM

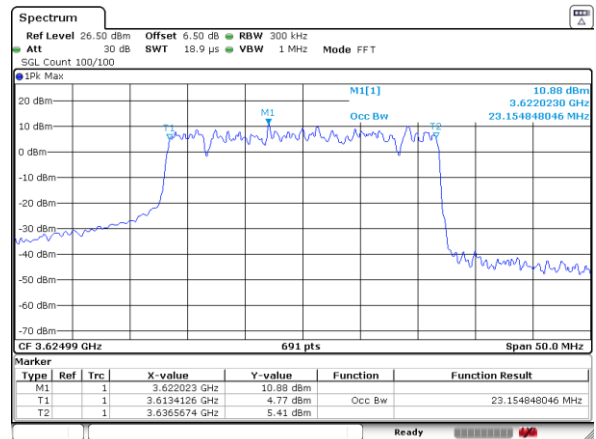
Middle Channel



Date: 28.MAR.2023 22:28:50

256QAM

Middle Channel



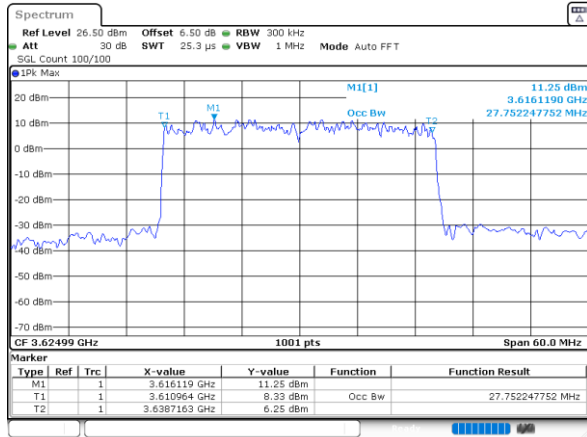
Date: 28.MAR.2023 22:28:27



FR1 n78 / 30MHz / CP-OFDM

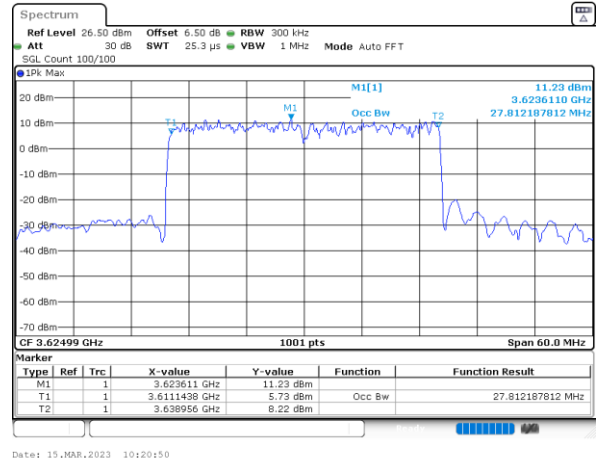
QPSK

Middle Channel



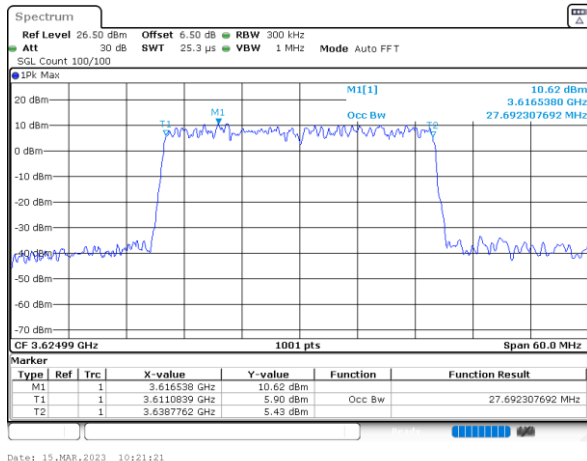
16QAM

Middle Channel



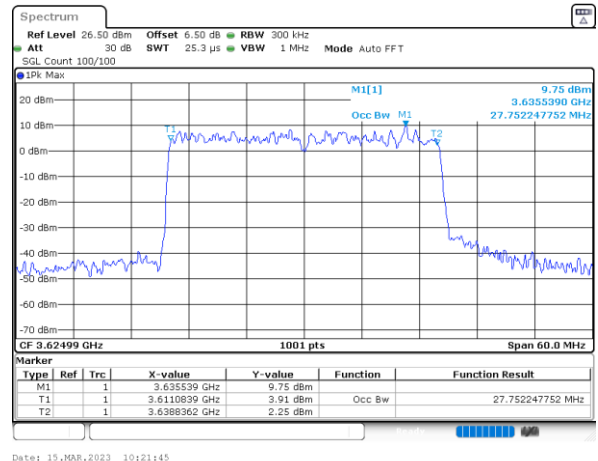
64QAM

Middle Channel



256QAM

Middle Channel

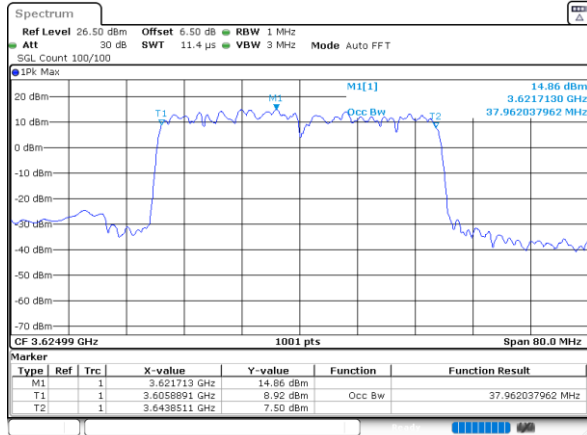




FR1 n78 / 40MHz / CP-OFDM

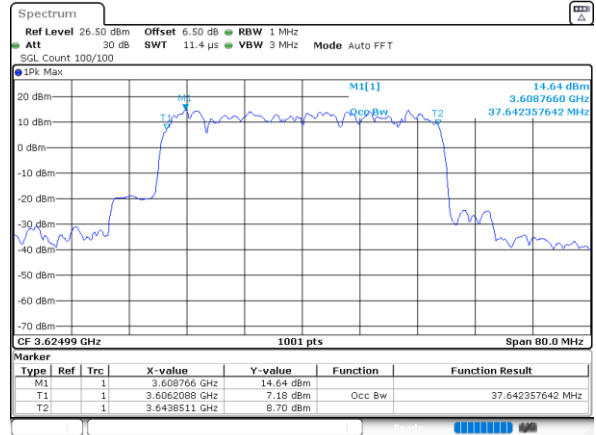
QPSK

Middle Channel



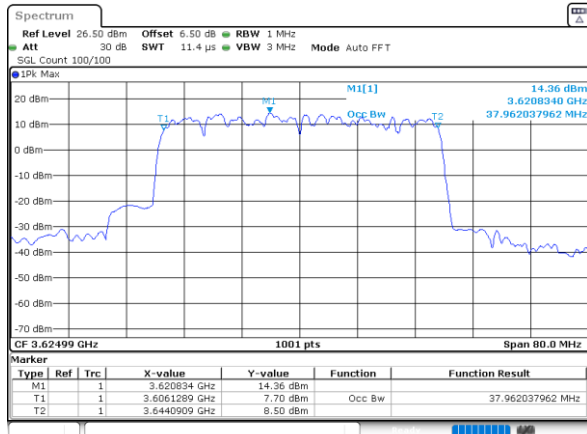
16QAM

Middle Channel



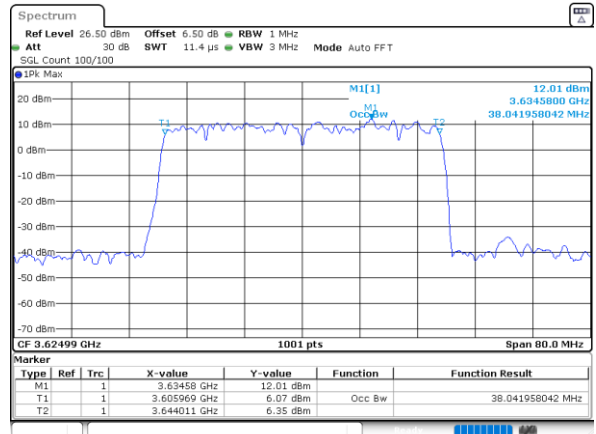
64QAM

Middle Channel



256QAM

Middle Channel

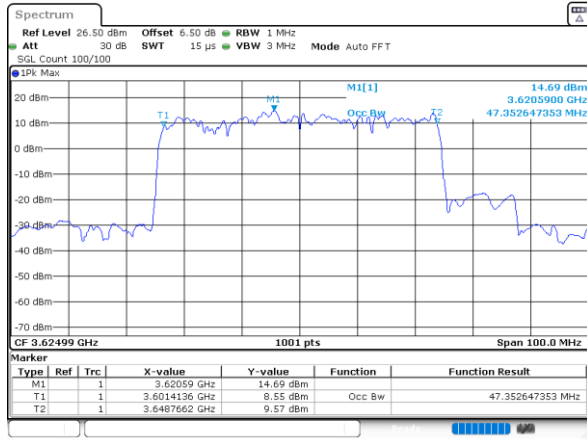




FR1 n78 / 50MHz / CP-OFDM

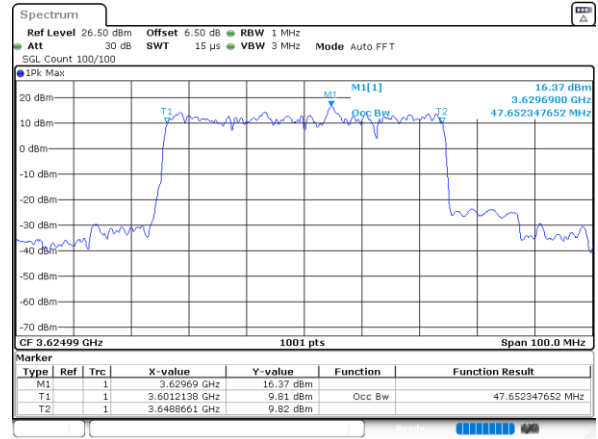
QPSK

Middle Channel



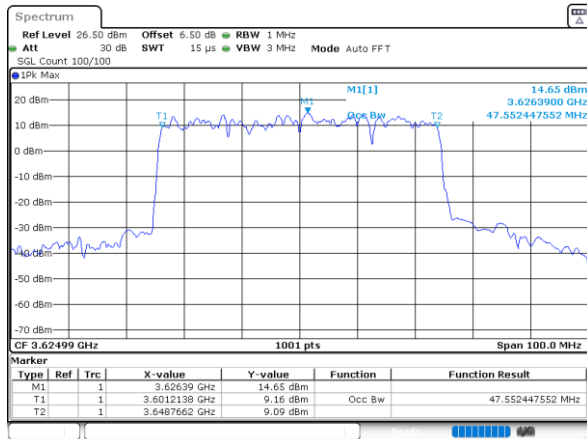
16QAM

Middle Channel



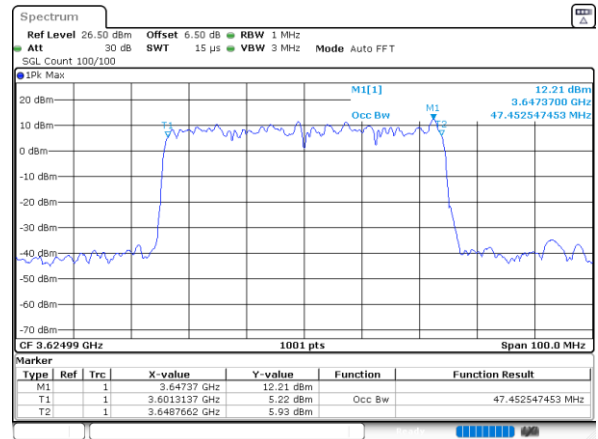
64QAM

Middle Channel



256QAM

Middle Channel

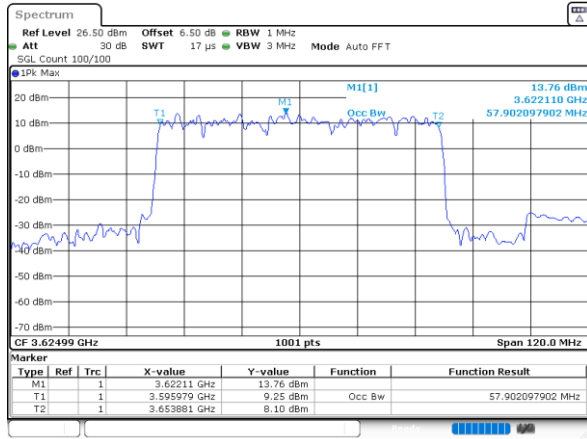




FR1 n78 / 60MHz / CP-OFDM

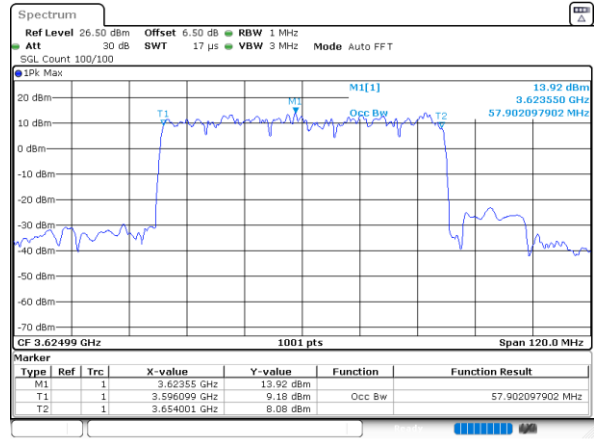
QPSK

Middle Channel



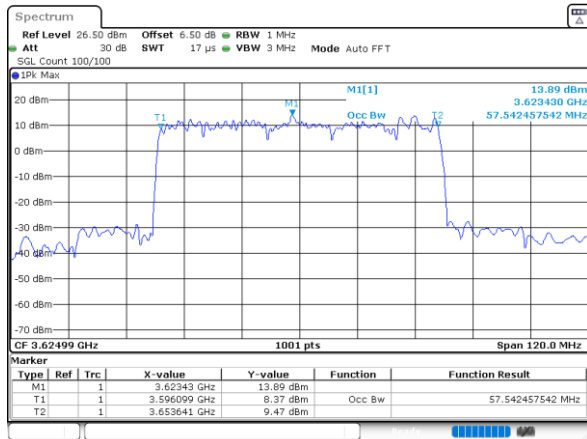
16QAM

Middle Channel



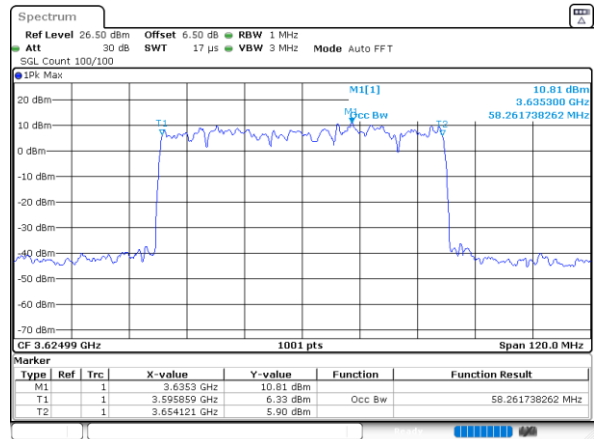
64QAM

Middle Channel



256QAM

Middle Channel

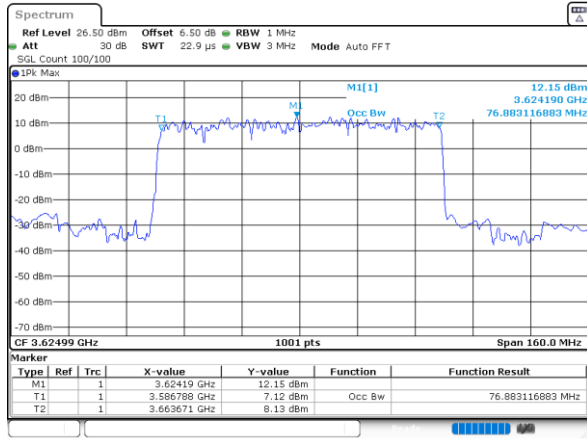




FR1 n78 / 80MHz / CP-OFDM

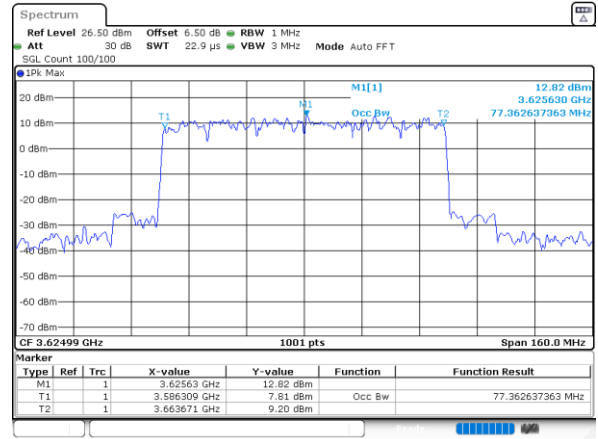
QPSK

Middle Channel



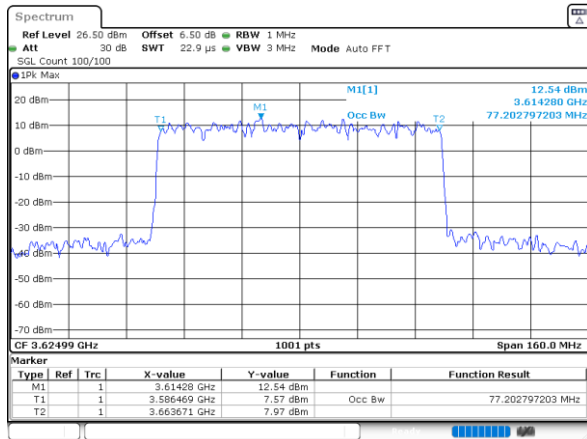
16QAM

Middle Channel



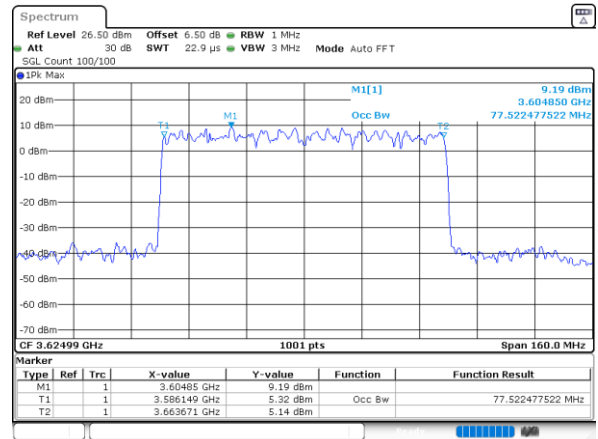
64QAM

Middle Channel



256QAM

Middle Channel

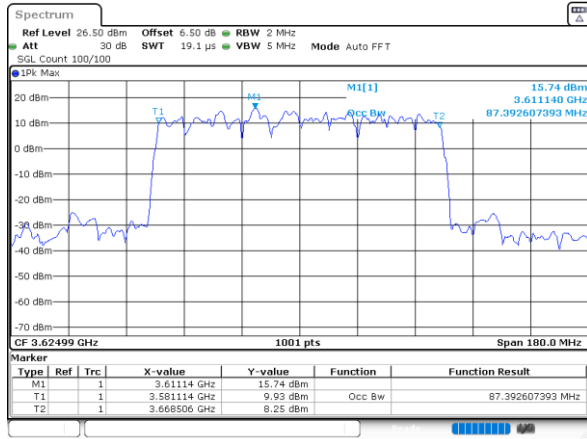




FR1 n78 / 90MHz / CP-OFDM

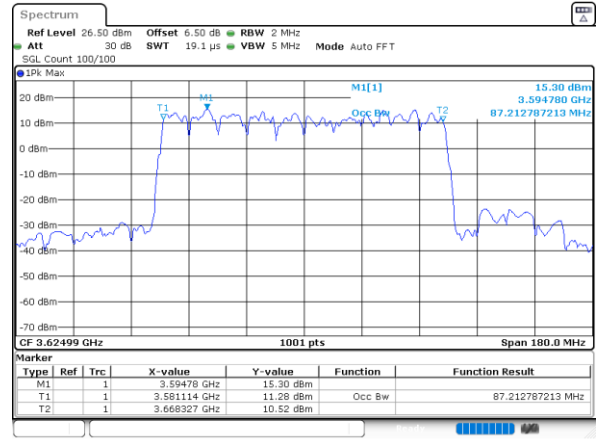
QPSK

Middle Channel



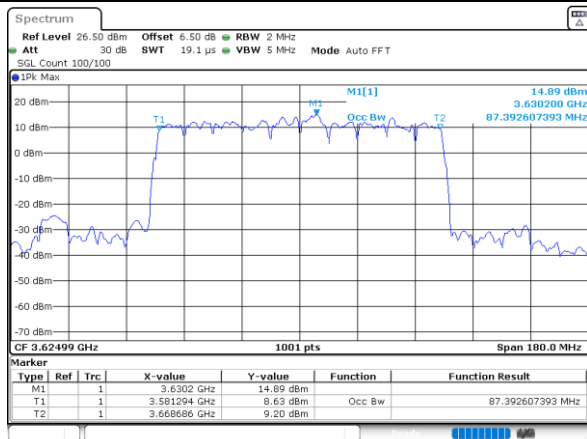
16QAM

Middle Channel



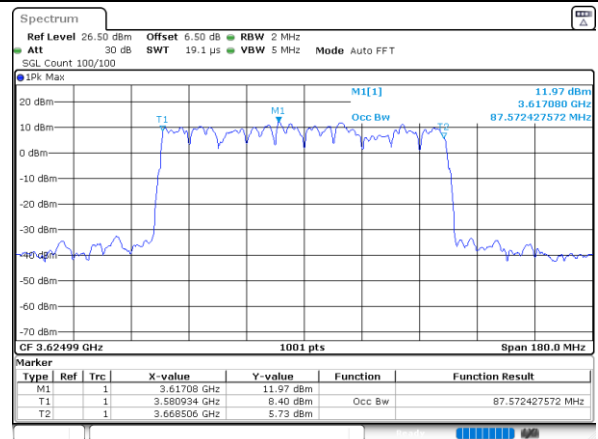
64QAM

Middle Channel



256QAM

Middle Channel

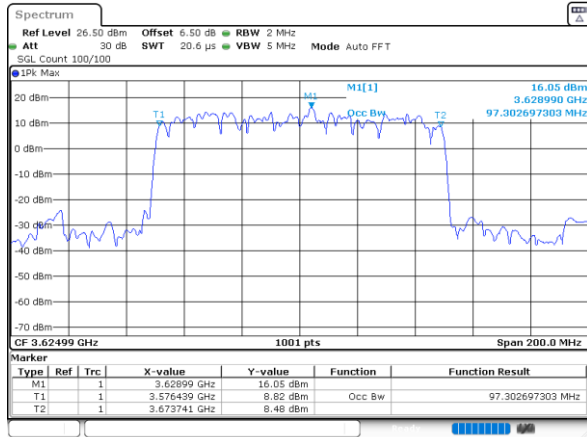




FR1 n78 / 100MHz / CP-OFDM

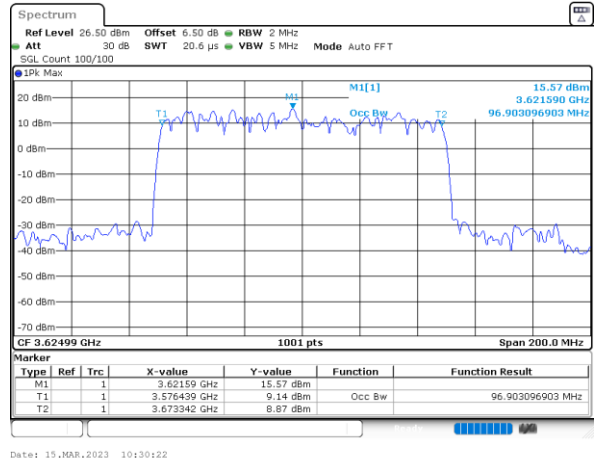
QPSK

Middle Channel



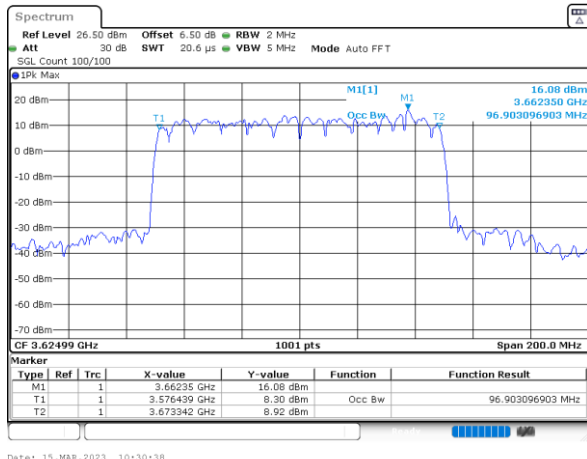
16QAM

Middle Channel



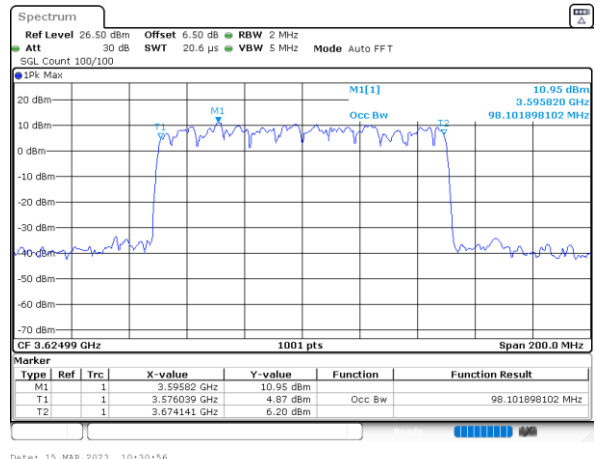
64QAM

Middle Channel



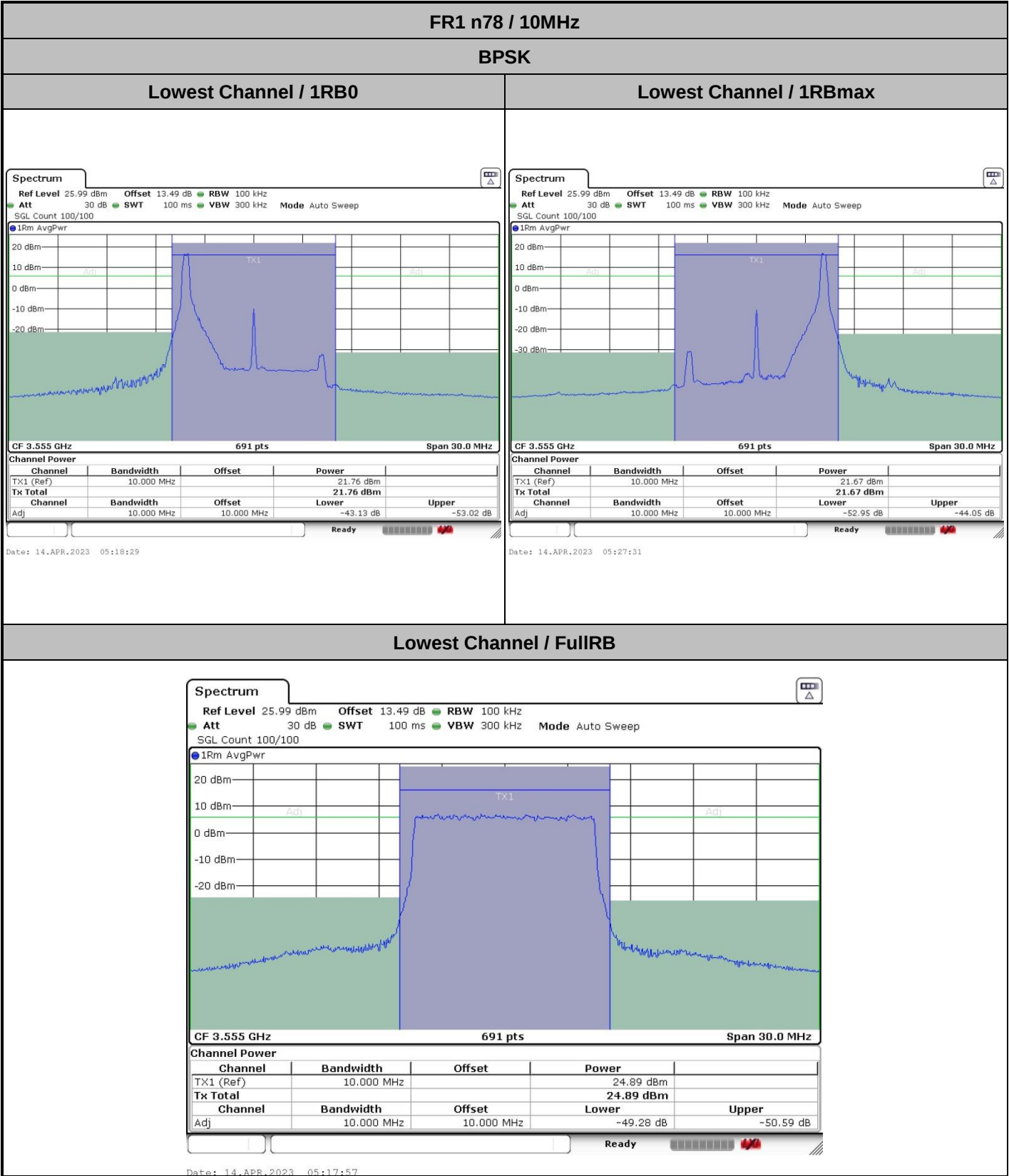
256QAM

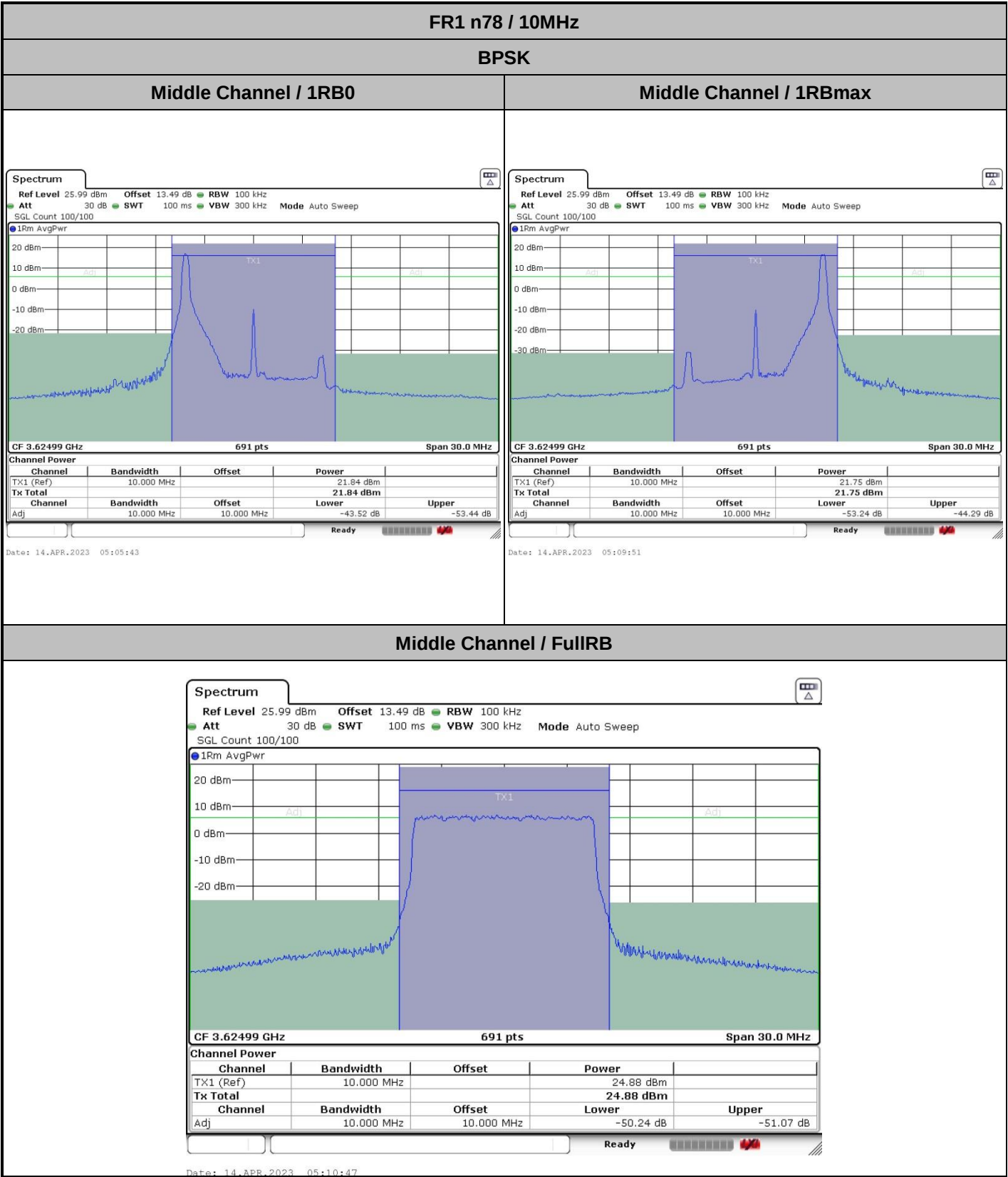
Middle Channel





ACLR



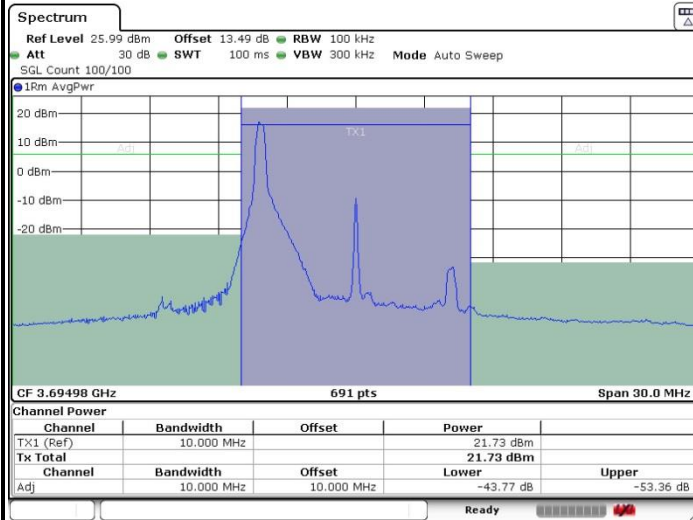




FR1 n78 / 10MHz

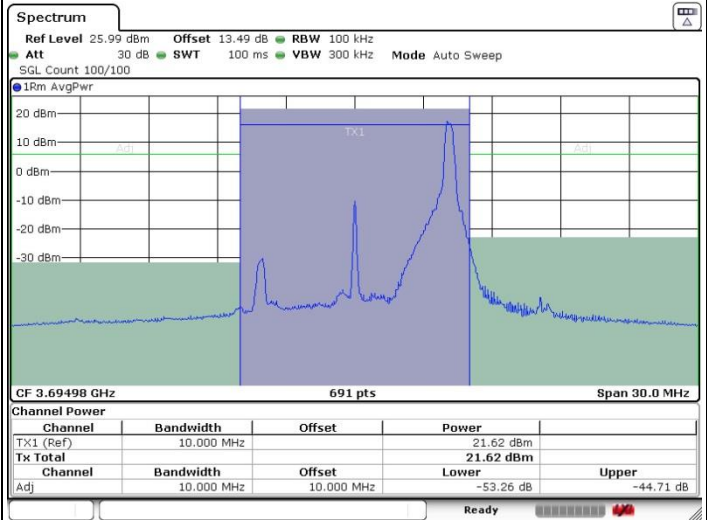
BPSK

Highest Channel / 1RB0



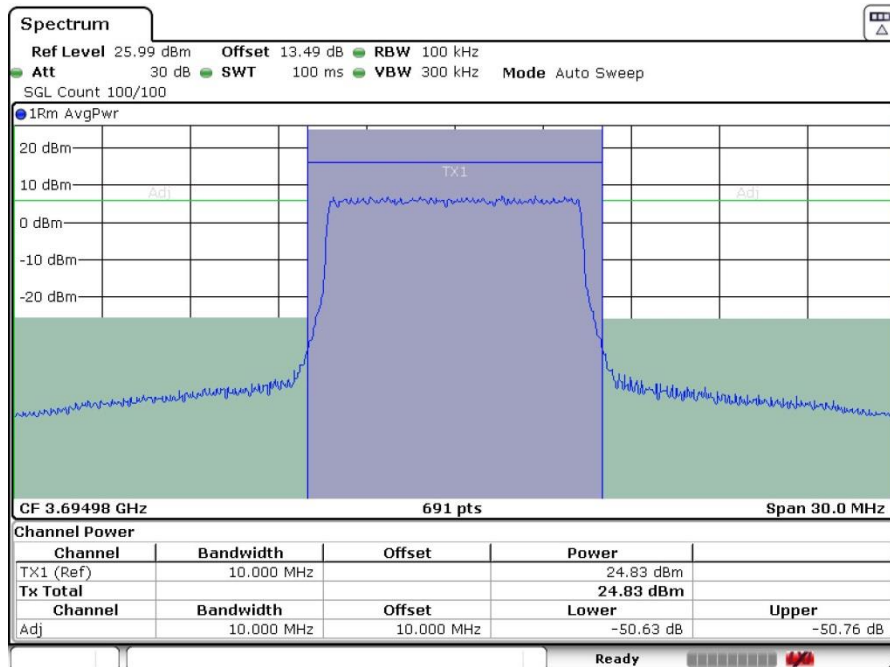
Date: 14.APR.2023 05:34:14

Highest Channel / 1RBmax



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

Highest Channel / FullRB



Date: 14.APR.2023 05:34:48