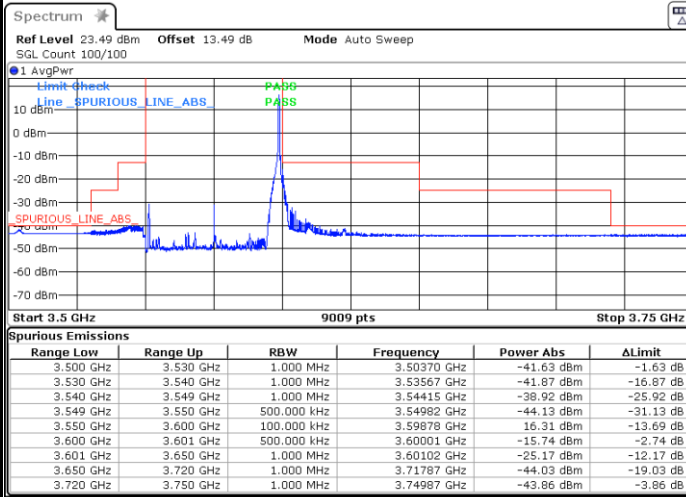


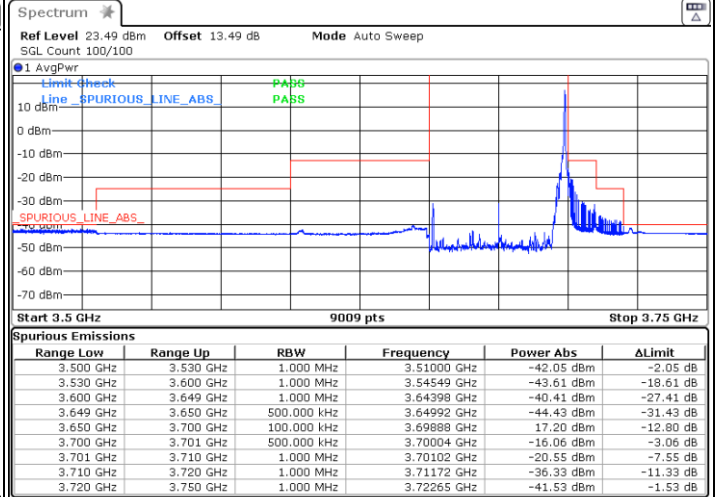


Lowest Band Edge / 1 RB MAX

Highest Band Edge / 1 RB MAX



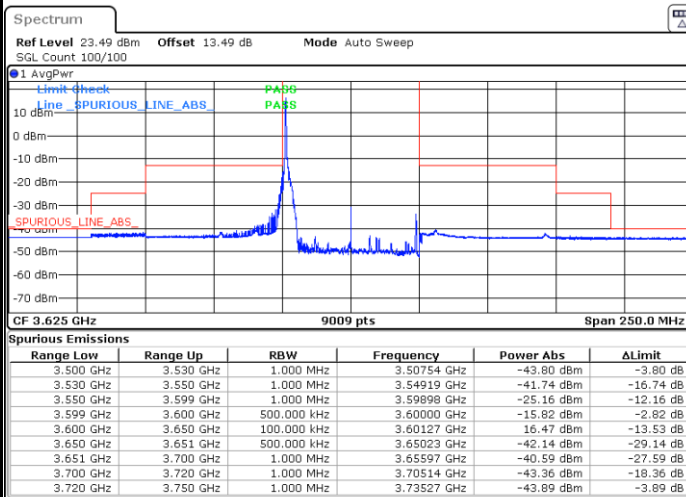
Date: 5.FEB.2023 10:52:16



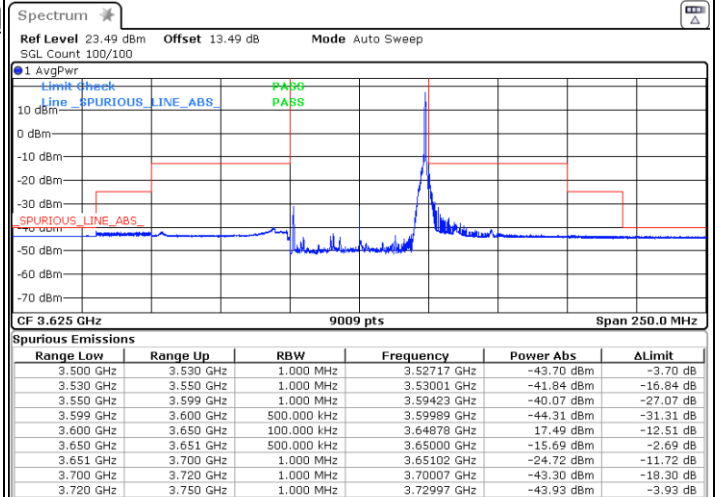
Date: 5.FEB.2023 11:34:03

Middel Band Edge / 1 RB 0

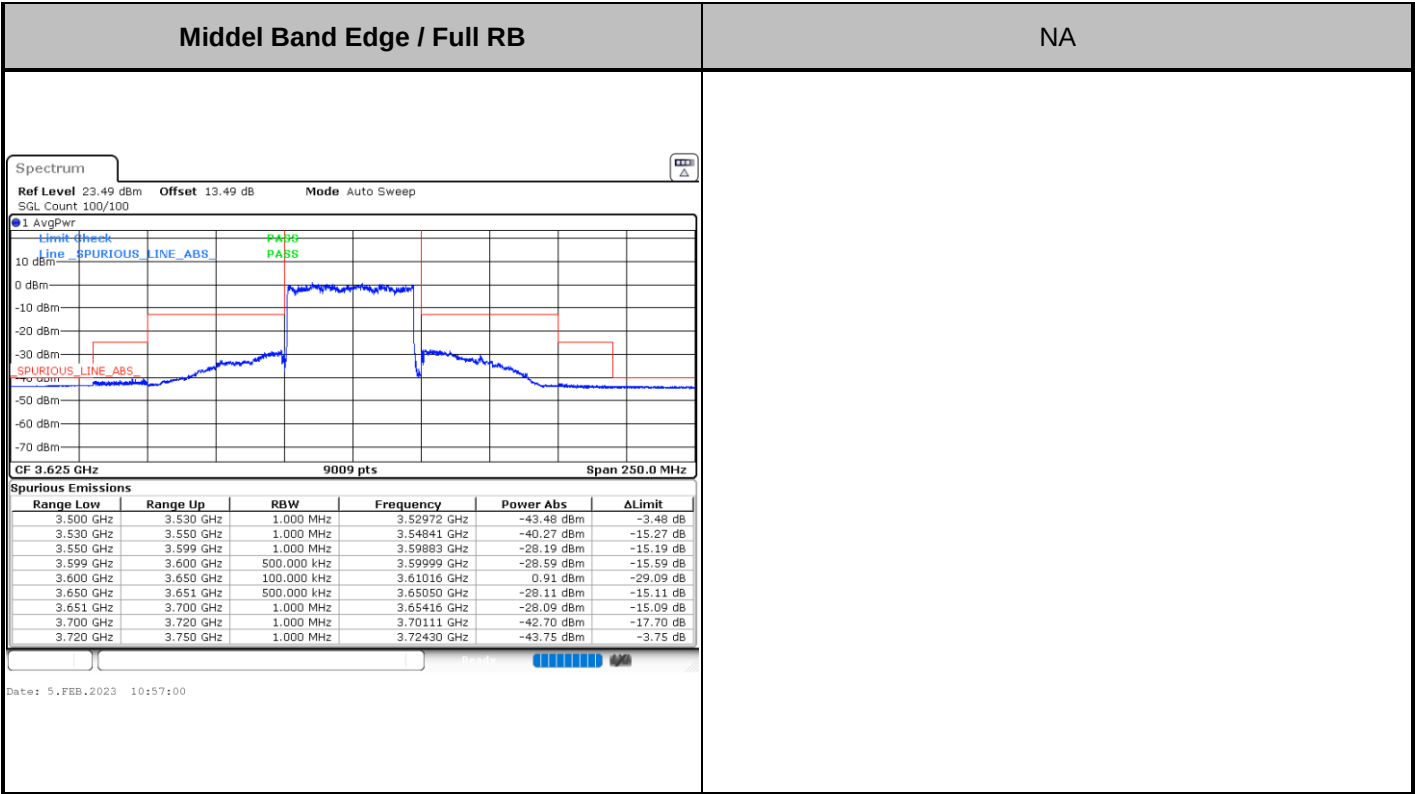
Middel Band Edge / 1 RB MAX



Date: 5.FEB.2023 11:12:01



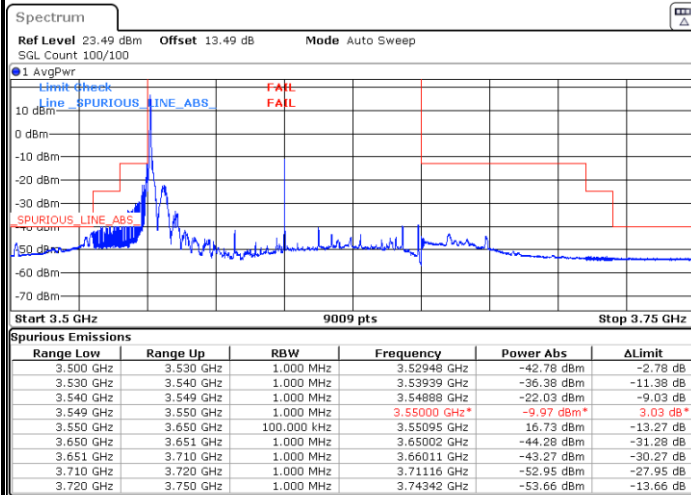
Date: 5.FEB.2023 11:06:00





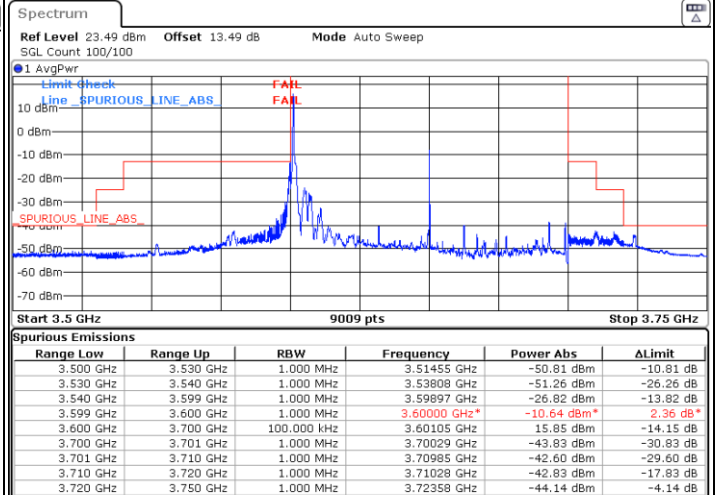
FR1 n78 / 100MHz / DFT-S OFDM BPSK

Lowest Band Edge / 1 RB 0

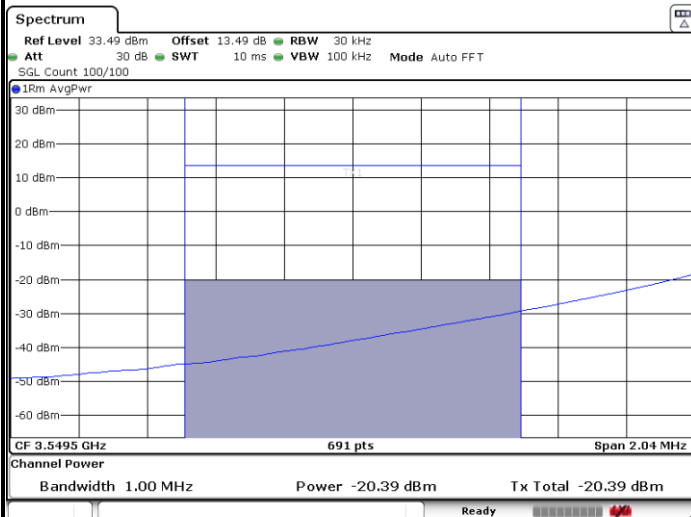


Date: 9.MAR.2023 23:15:44

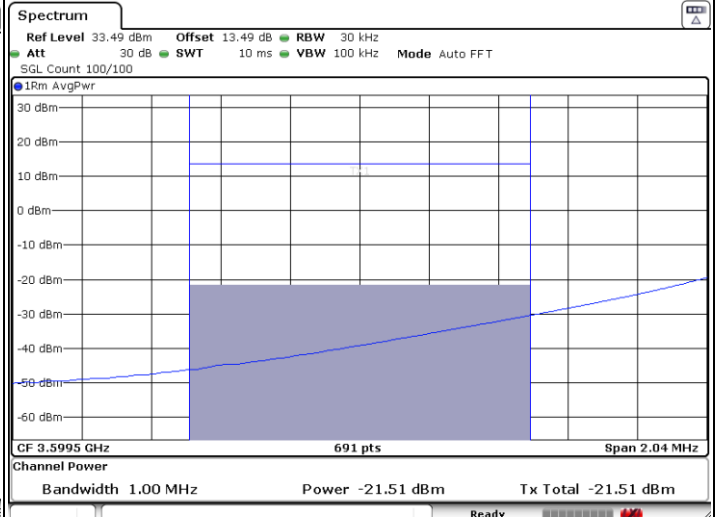
Highest Band Edge / 1 RB 0



Date: 9.MAR.2023 23:44:01



Date: 9.MAR.2023 23:22:39

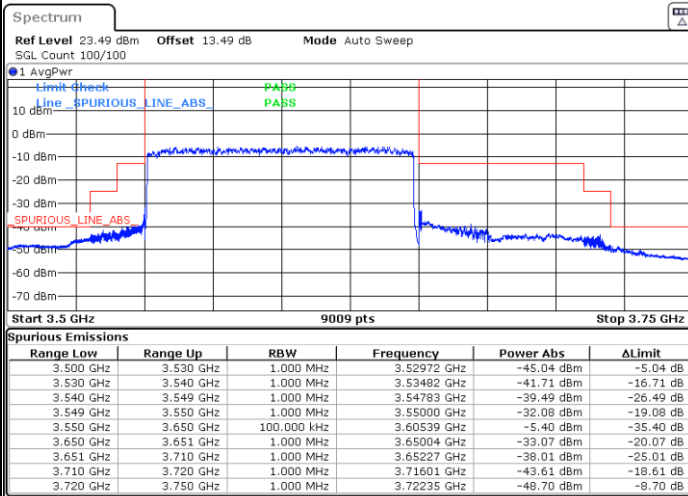


Date: 10.MAR.2023 01:00:15

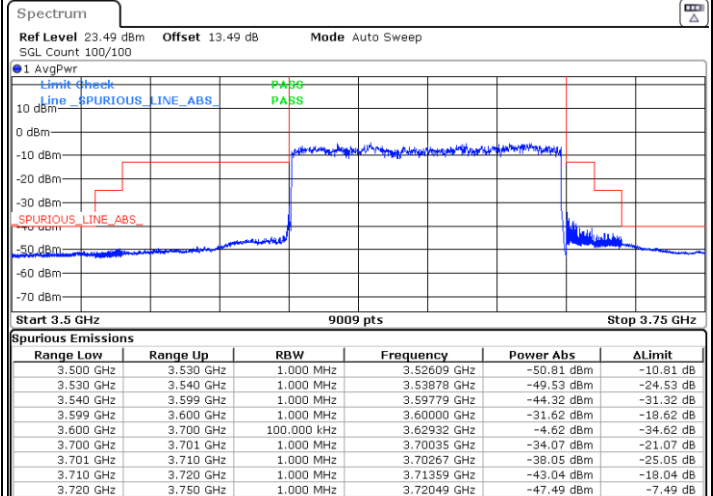


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.FEB.2023 18:33:50

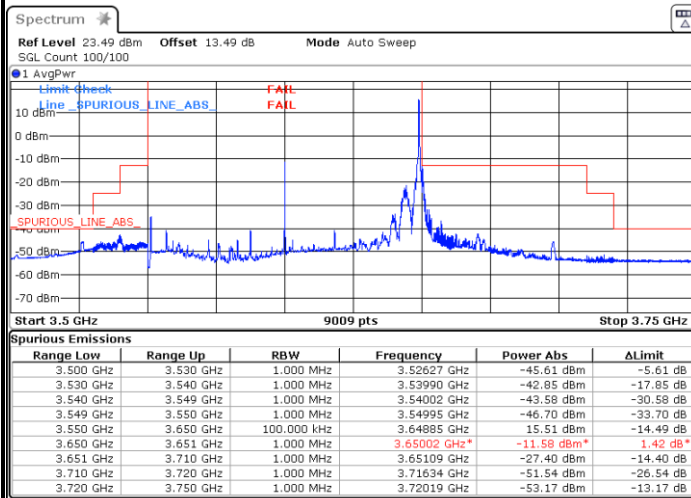


Date: 9.MAR.2023 23:46:07

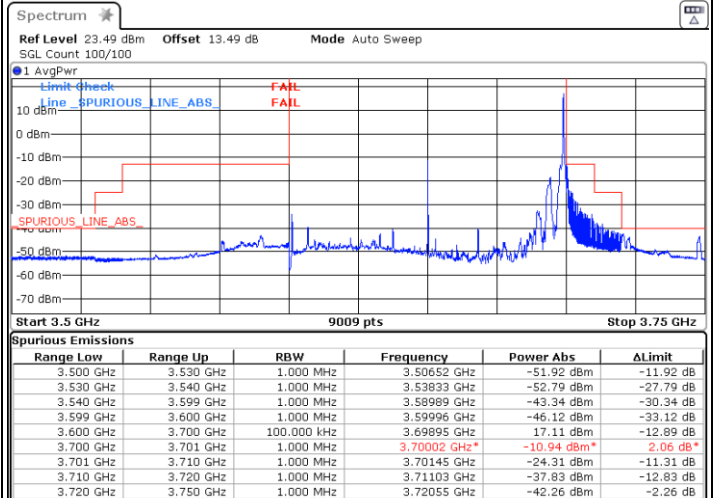


Lowest Band Edge / 1 RB MAX

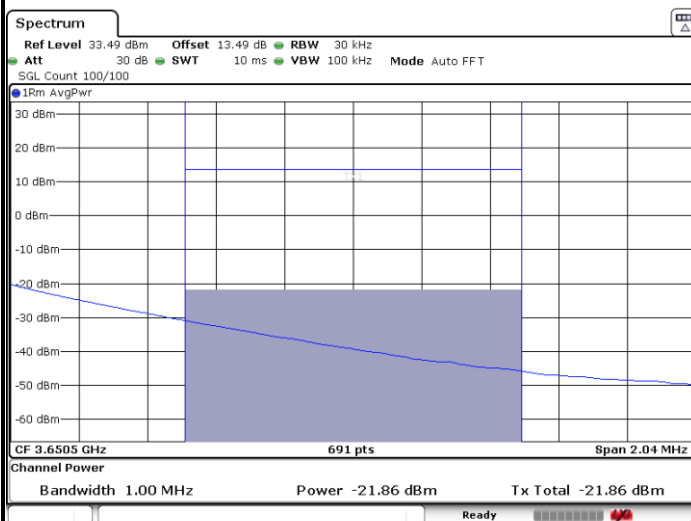
Highest Band Edge / 1 RB MAX



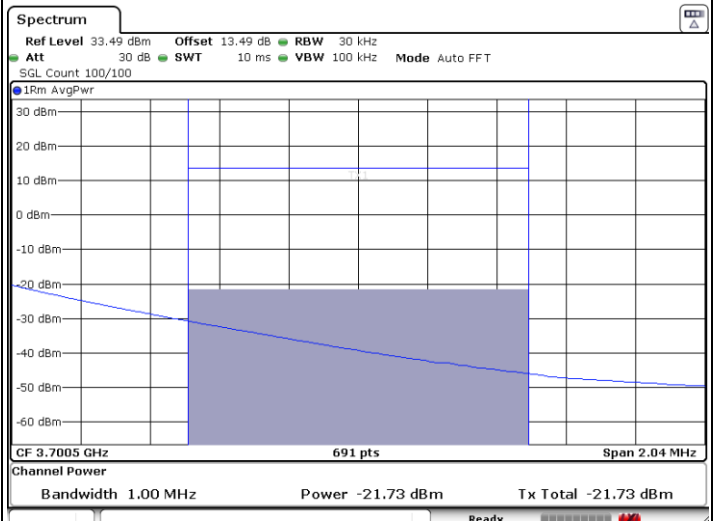
Date: 9.MAR.2023 23:17:52



Date: 10.MAR.2023 00:56:55



Date: 9.MAR.2023 23:23:49

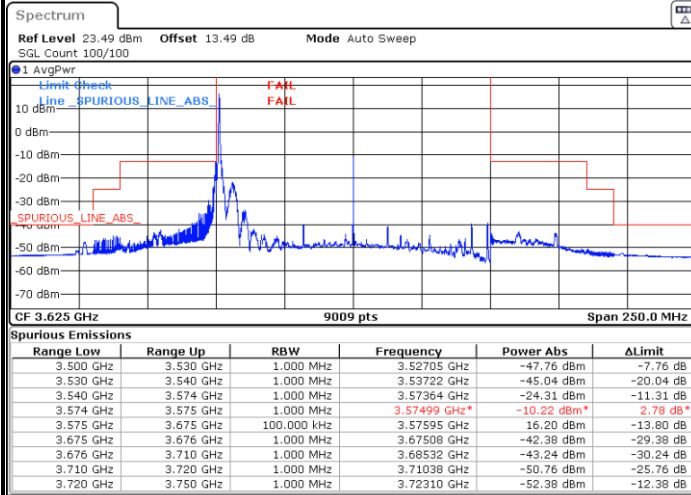


Date: 10.MAR.2023 01:01:27

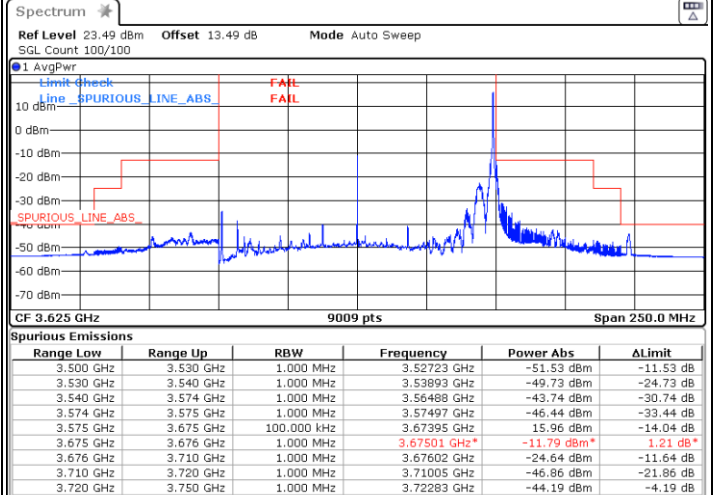


Middel Band Edge / 1 RB 0

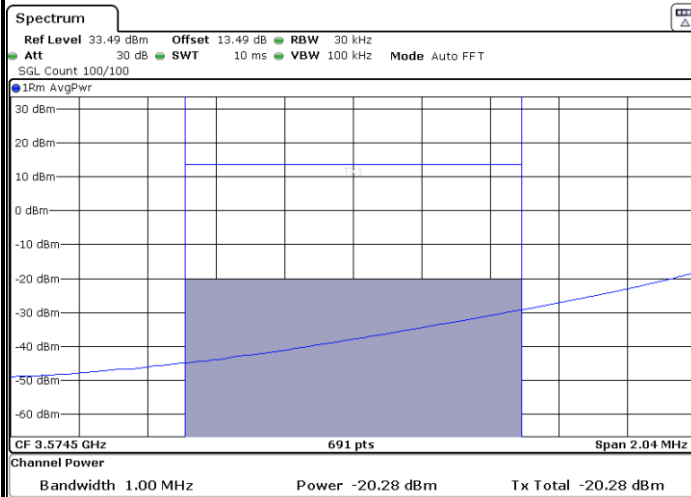
Middel Band Edge / 1 RB MAX



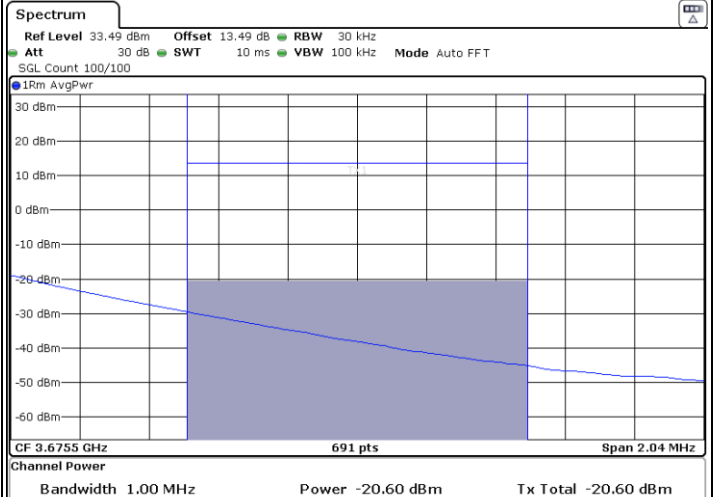
Date: 9.MAR.2023 23:28:44



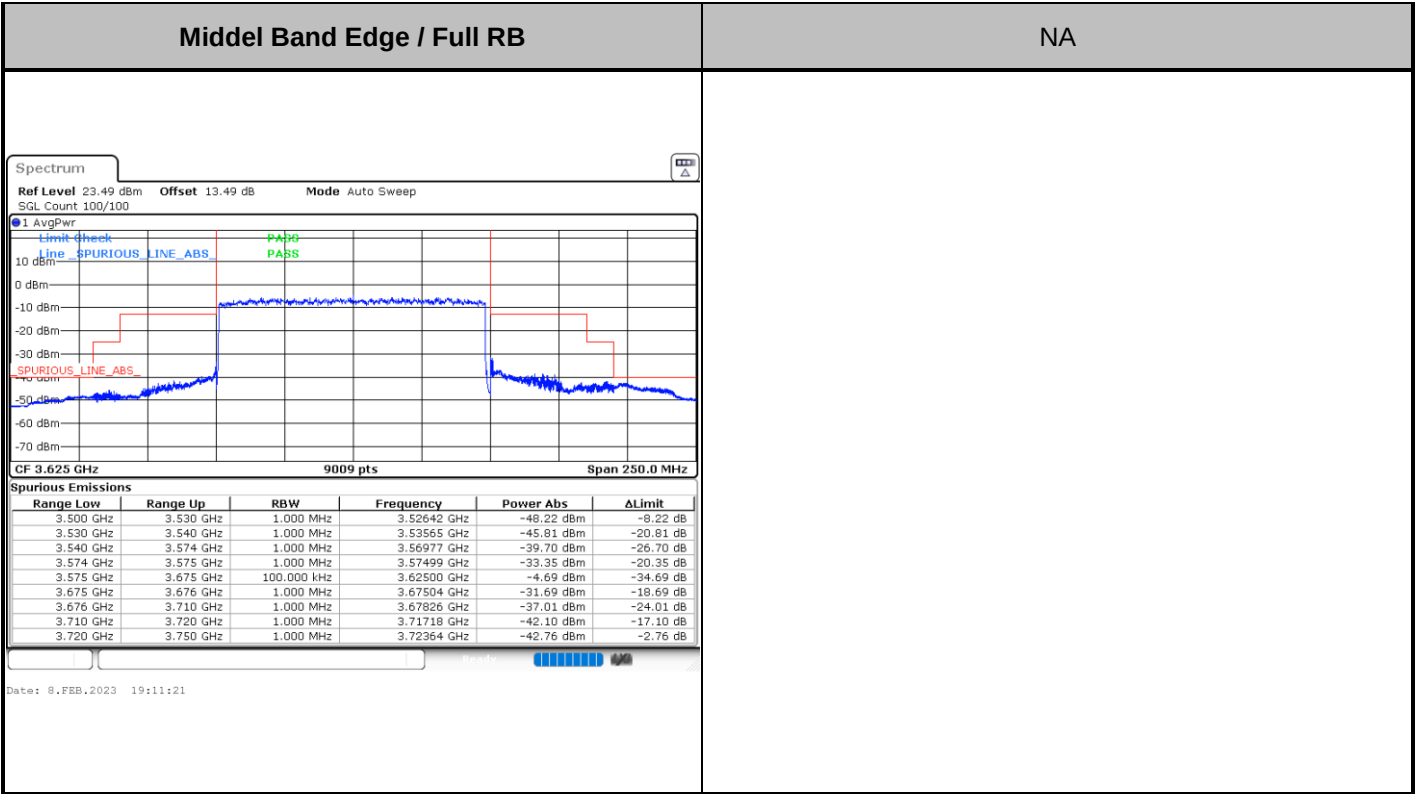
Date: 9.MAR.2023 23:40:31



Date: 9.MAR.2023 23:37:15



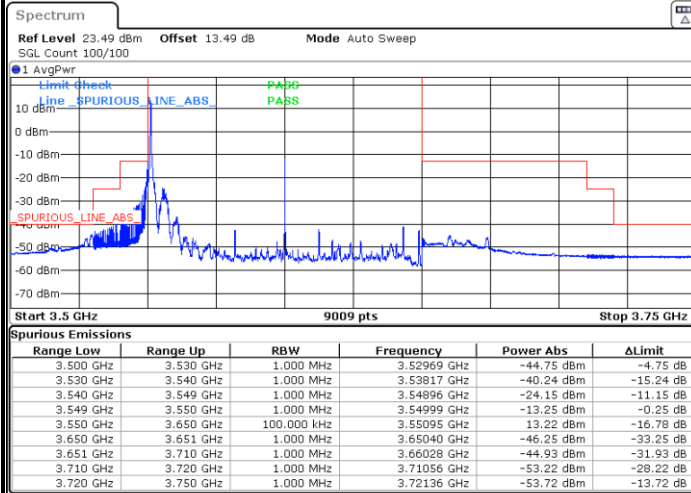
Date: 9.MAR.2023 23:36:37





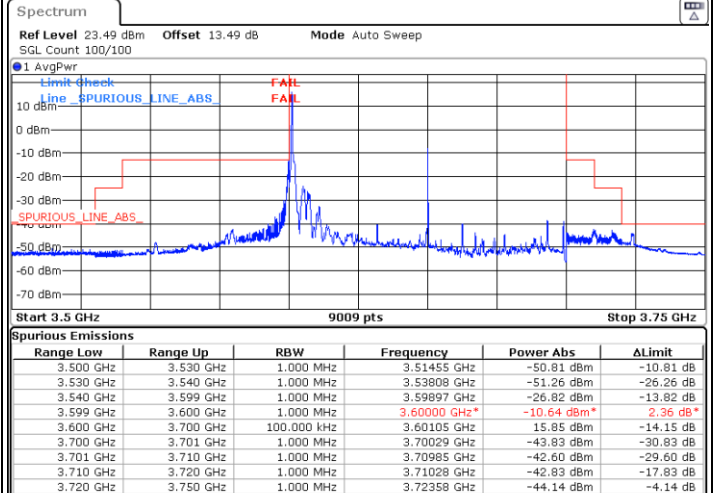
FR1 n78 / 100MHz / DFT-S OFDM QPSK

Lowest Band Edge / 1 RB 0



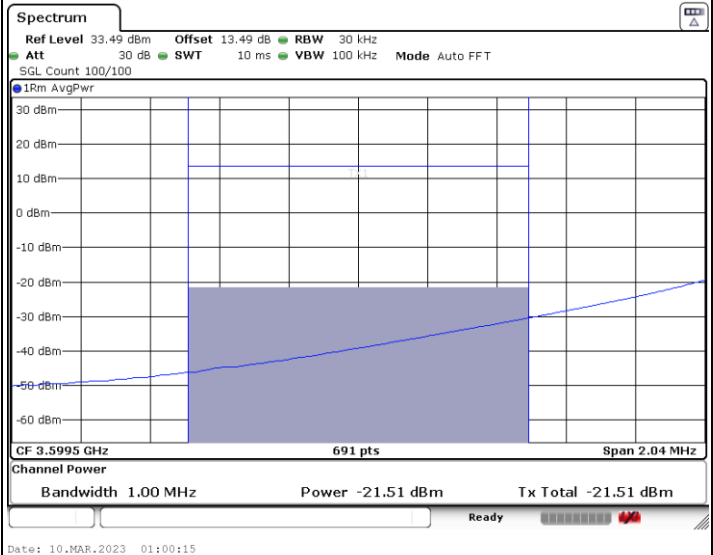
Date: 8.FEB.2023 18:28:58

Highest Band Edge / 1 RB 0



Date: 9.MAR.2023 23:44:01

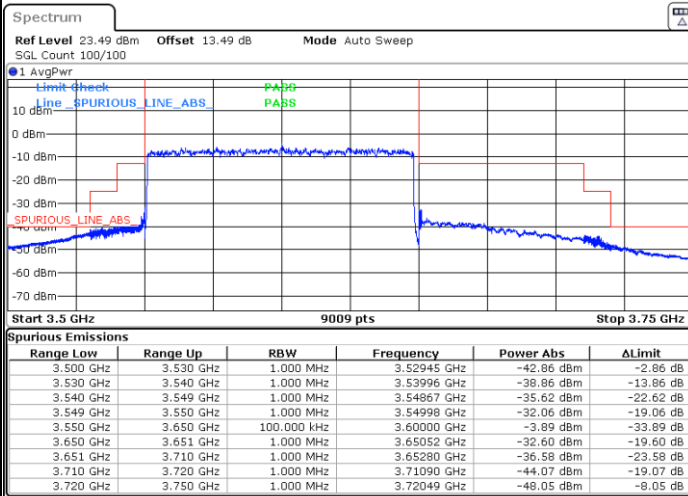
NA



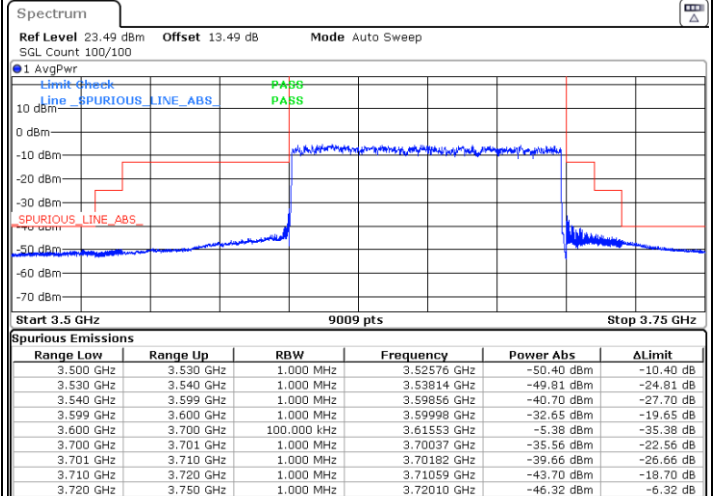


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.FEB.2023 18:35:50

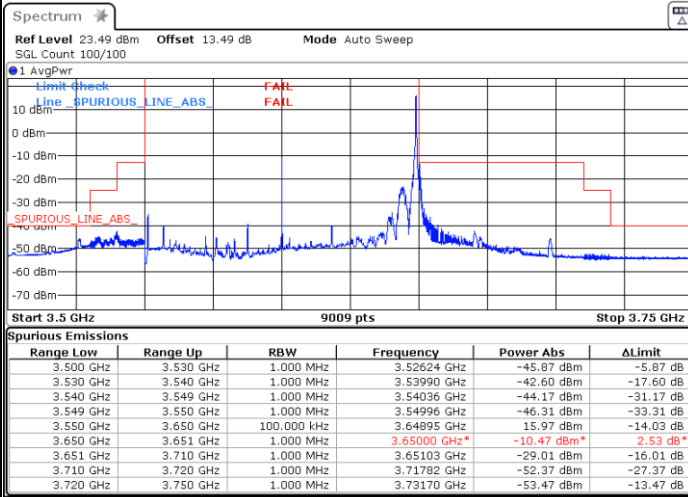


Date: 9.MAR.2023 23:45:08

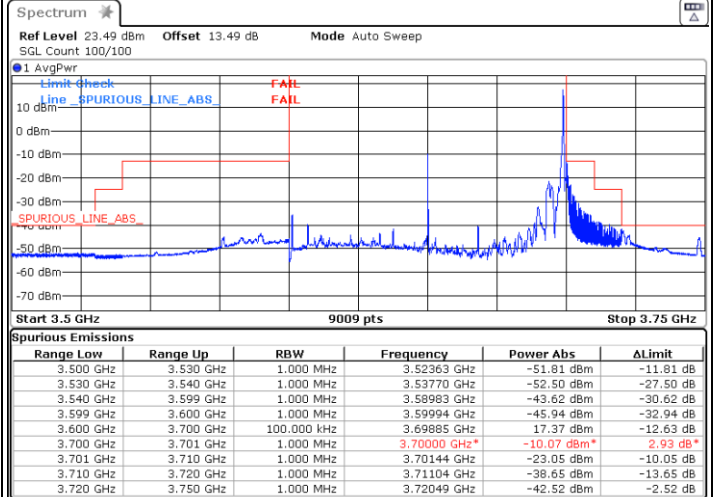


Lowest Band Edge / 1 RB MAX

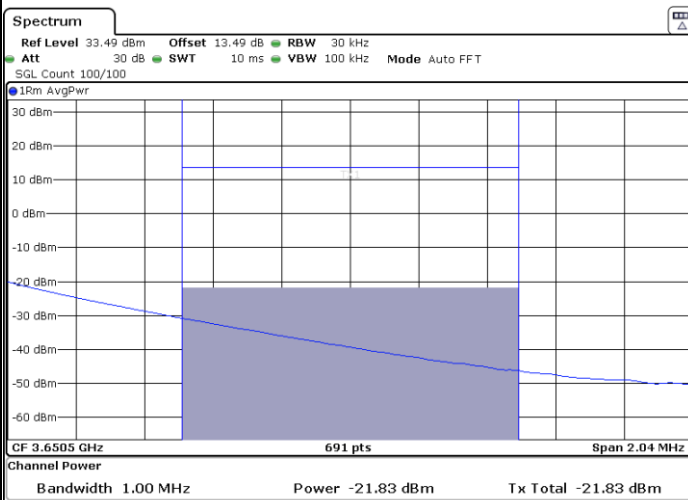
Highest Band Edge / 1 RB MAX



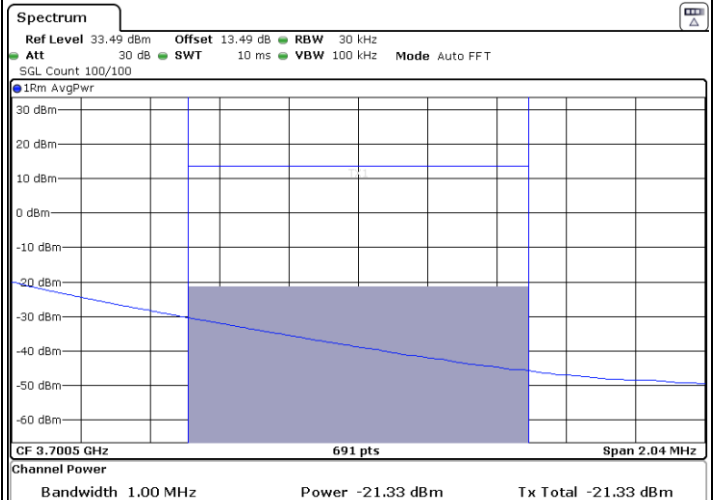
Date: 9.MAR.2023 23:19:18



Date: 10.MAR.2023 00:59:14



Date: 9.MAR.2023 23:24:36

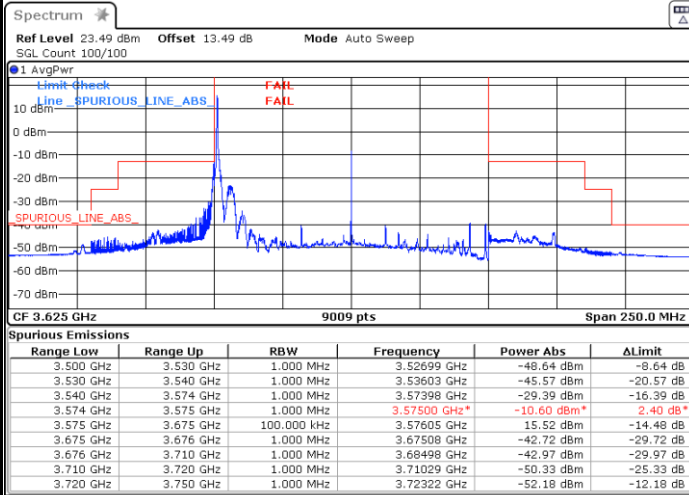


Date: 10.MAR.2023 01:01:49

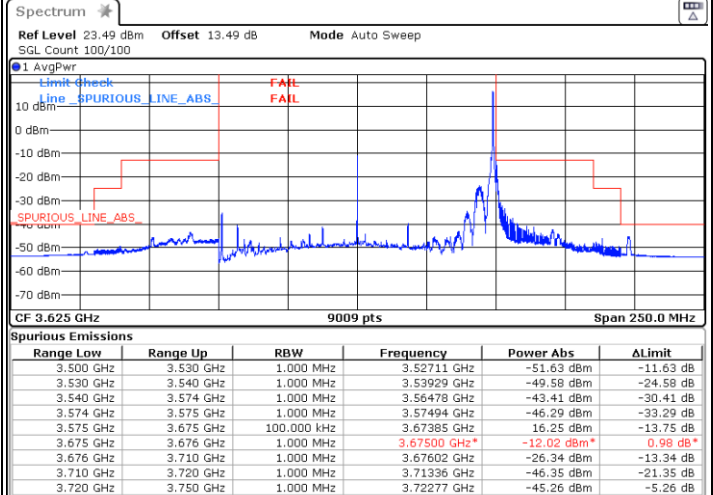


Middel Band Edge / 1 RB 0

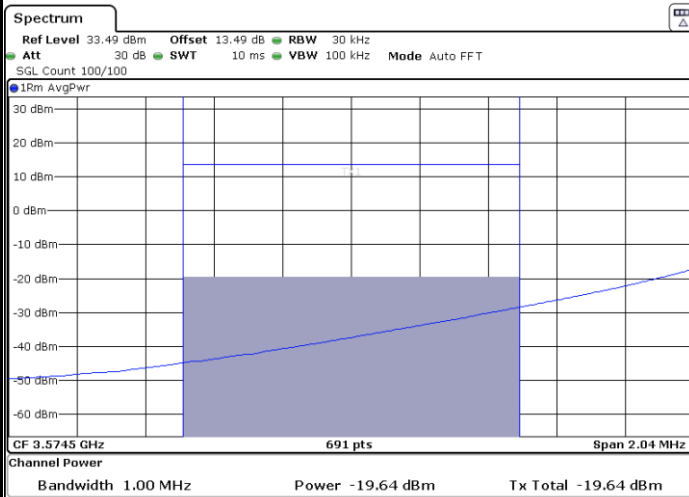
Middel Band Edge / 1 RB MAX



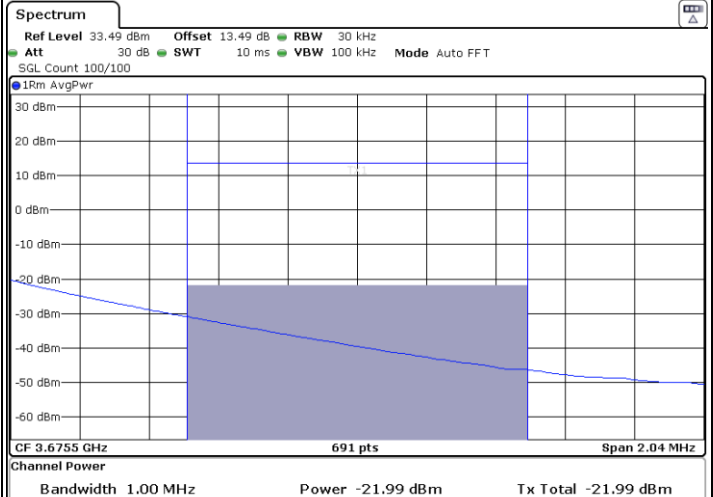
Date: 9.MAR.2023 23:27:28



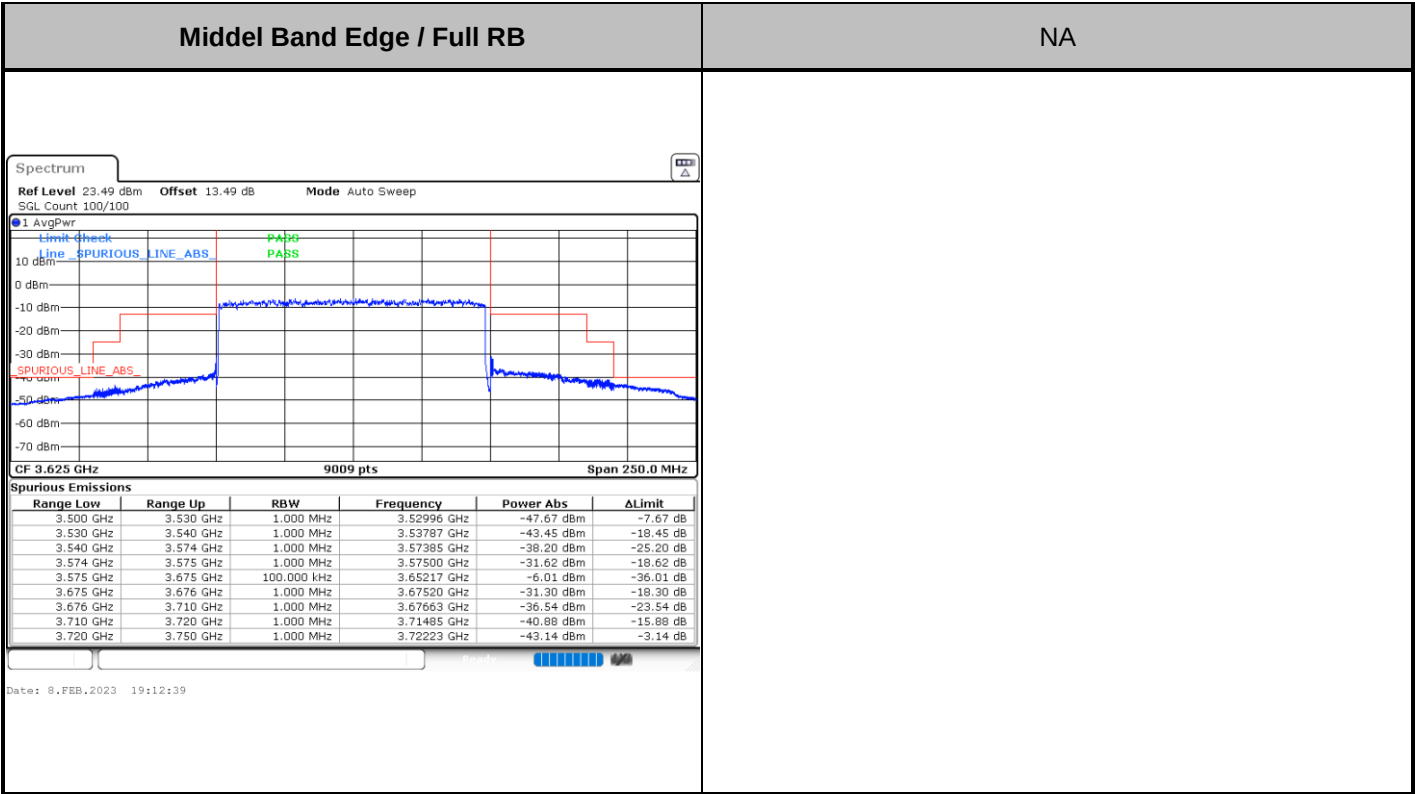
Date: 9.MAR.2023 23:34:46



Date: 9.MAR.2023 23:37:37



Date: 9.MAR.2023 23:35:56

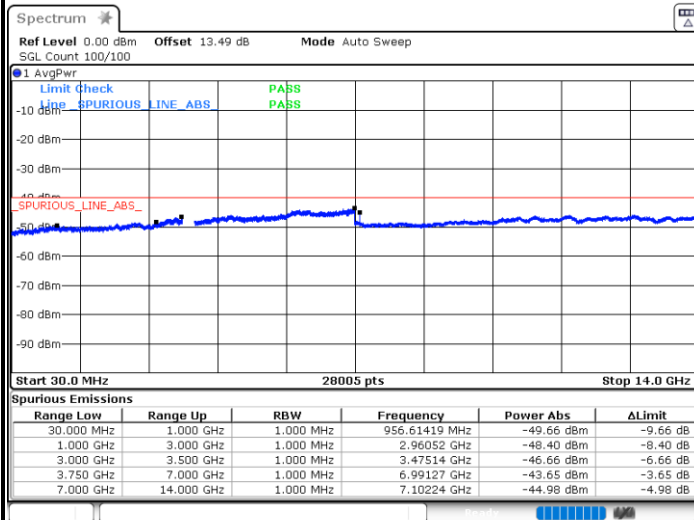




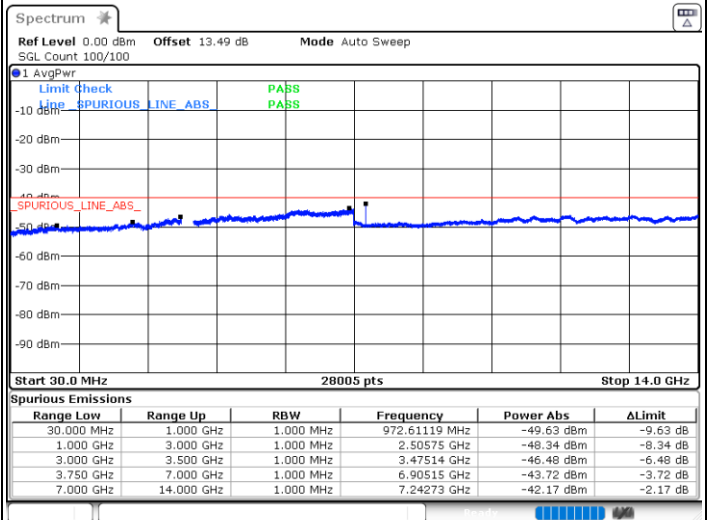
Conducted Spurious Emission

FR1 n78 / 10MHz / DFT-S OFDM / BPSK

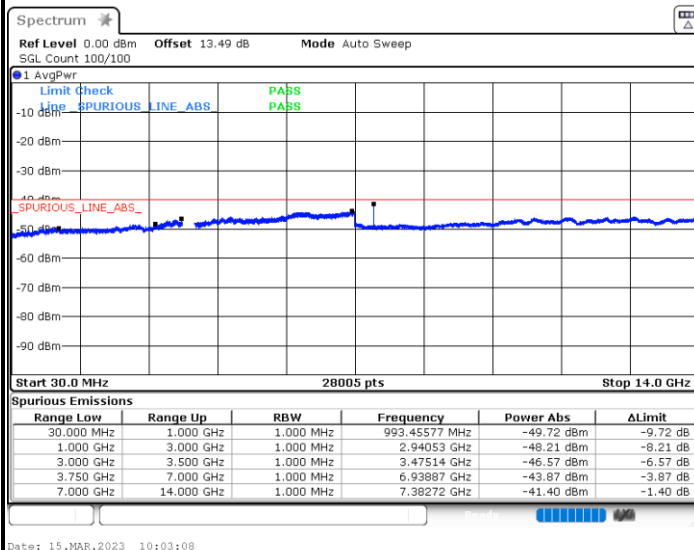
Lowest Channel / 1RB



Middle Channel / 1RB



Highest Channel / 1RB

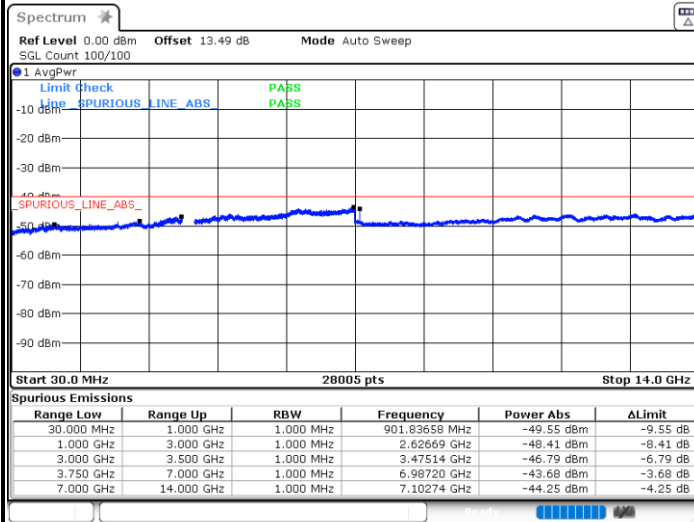


NA

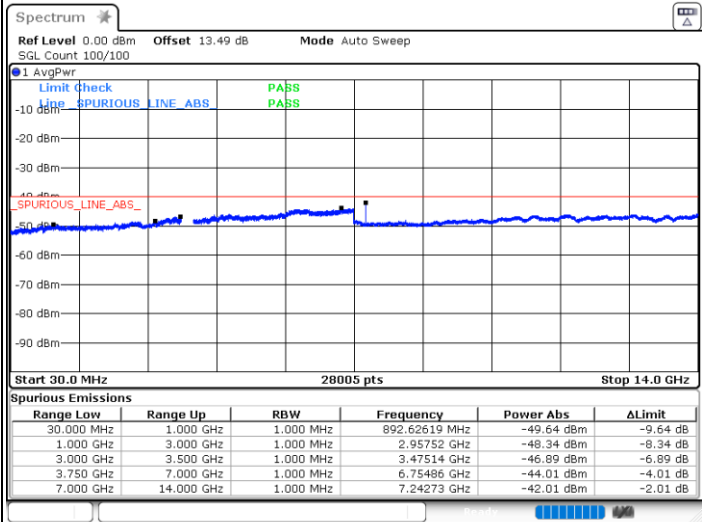


FR1 n78 / 10MHz / DFT-S OFDM / QPSK

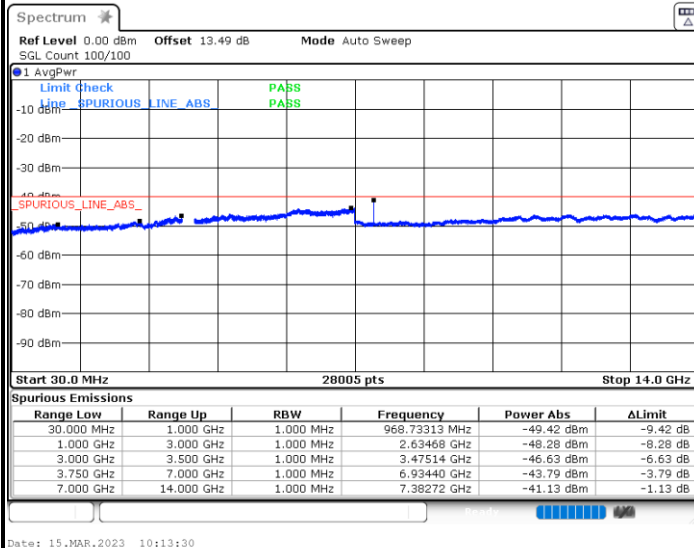
Lowest Channel / 1RB



Middle Channel / 1RB



Highest Channel / 1RB

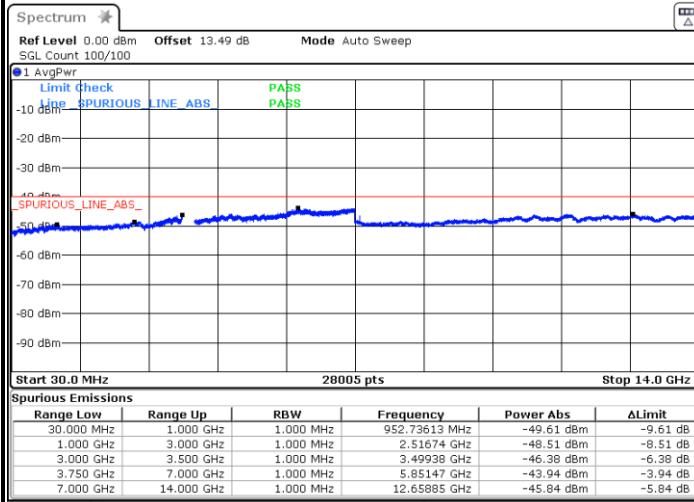


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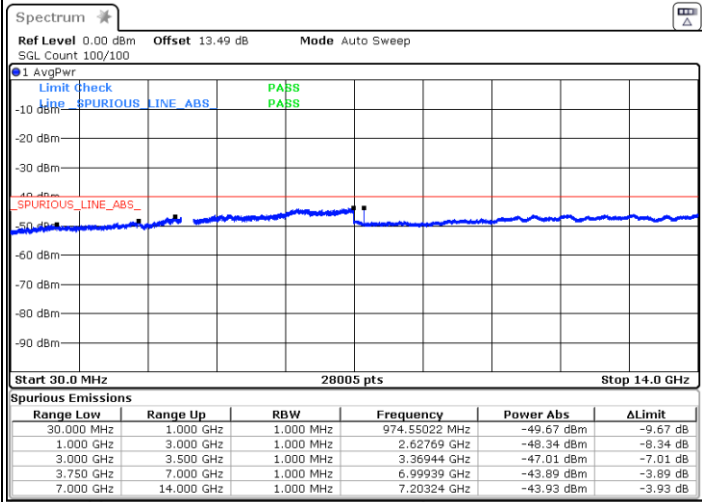
FR1 n78 / 50MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



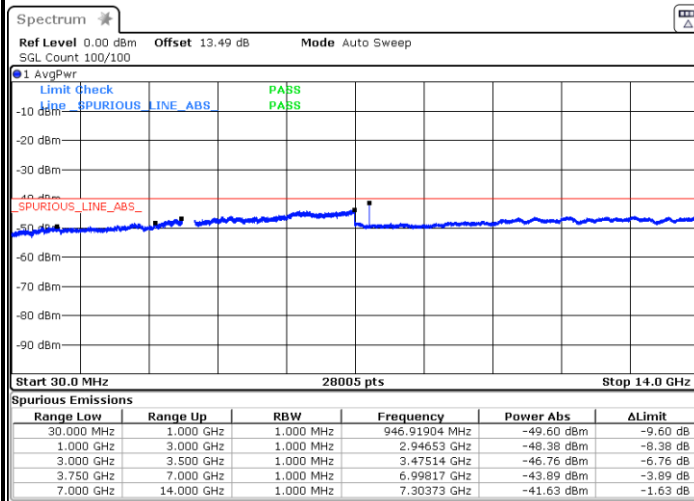
Date: 15.MAR.2023 06:57:49

Middle Channel / 1RB



Date: 15.MAR.2023 06:47:42

Highest Channel / 1RB



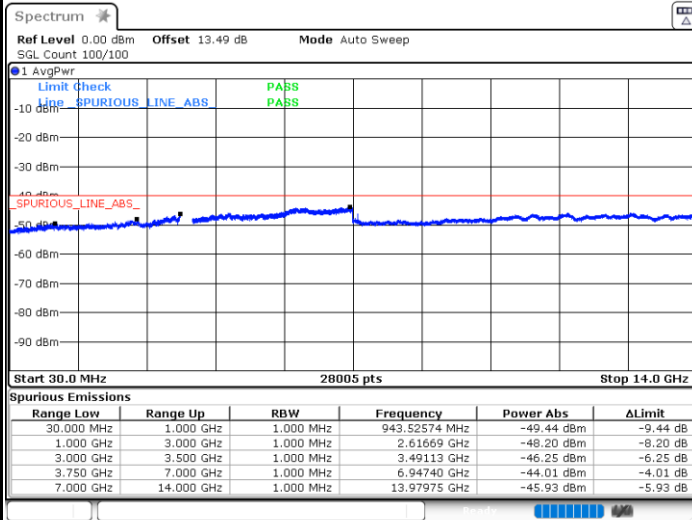
Date: 15.MAR.2023 07:07:37

NA

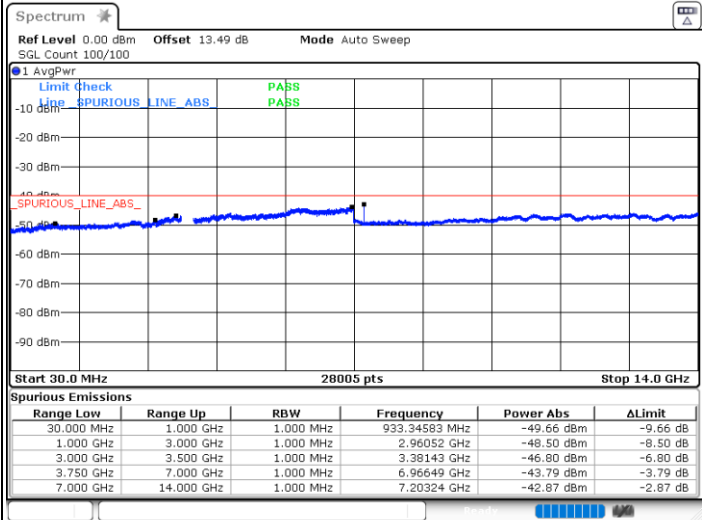


FR1 n78 / 50MHz / DFT-S OFDM / QPSK

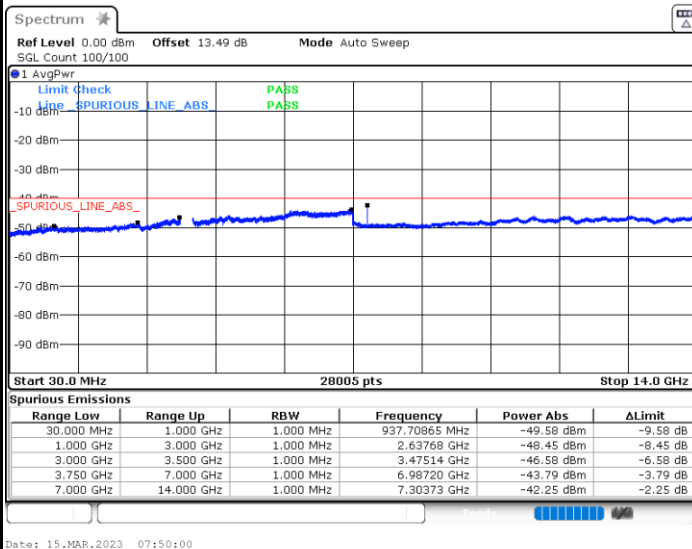
Lowest Channel / 1RB



Middle Channel / 1RB



Highest Channel / 1RB

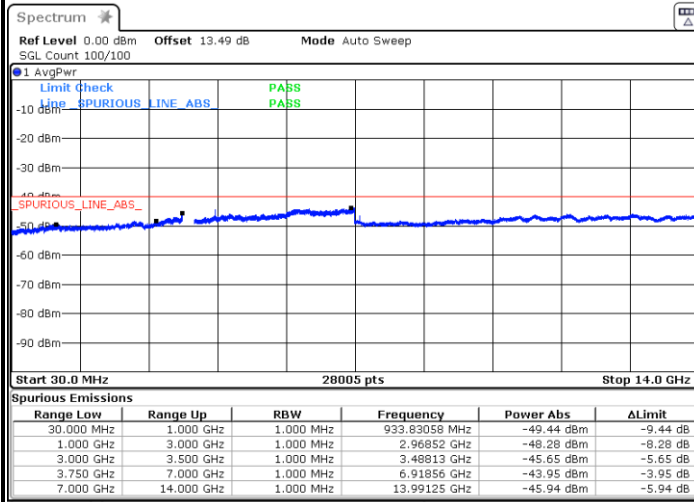


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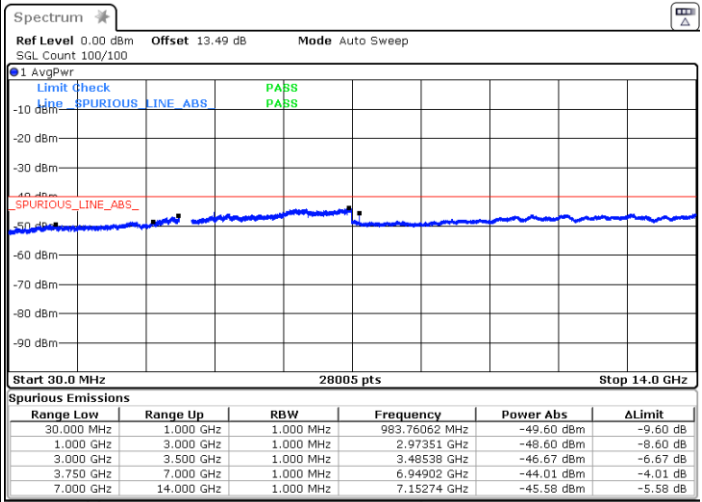
FR1 n78 / 100MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB



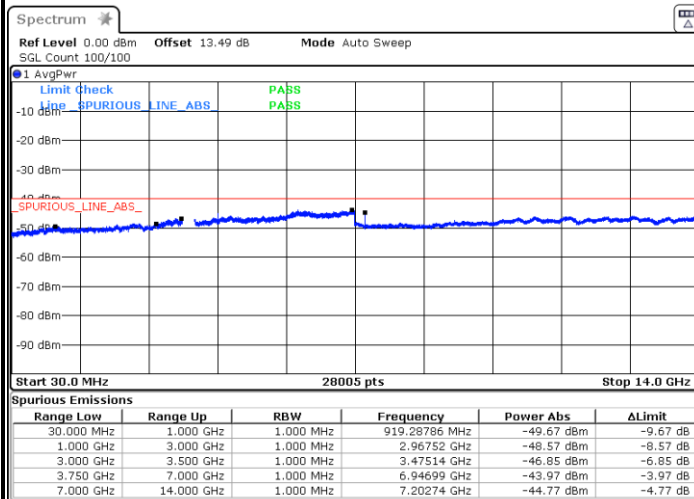
Date: 15.MAR.2023 06:35:31

Middle Channel / 1RB



Date: 15.MAR.2023 06:12:45

Highest Channel / 1RB



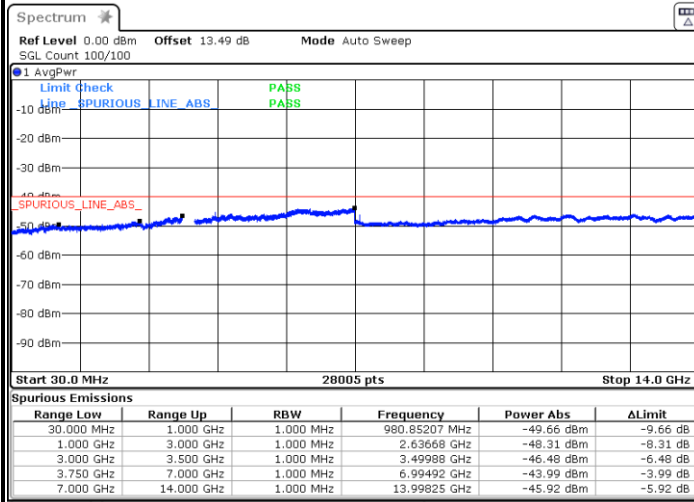
Date: 15.MAR.2023 06:40:27

NA



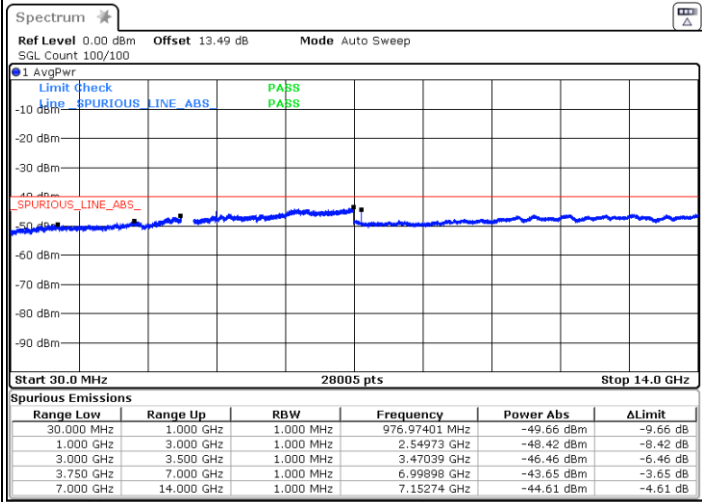
FR1 n78 / 100MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB



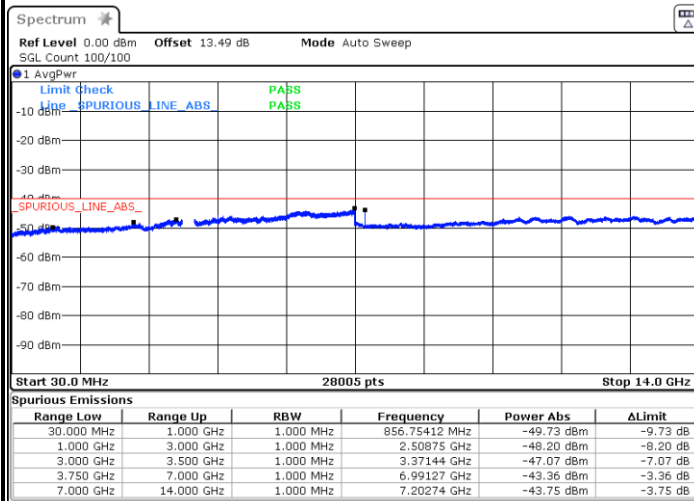
Date: 15.MAR.2023 06:31:28

Middle Channel / 1RB



Date: 15.MAR.2023 06:17:17

Highest Channel / 1RB



Date: 15.MAR.2023 06:42:51

NA

Frequency Stability

Test Conditions		FR1 n78 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0038	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0032	
20	Battery End Point	0.0036	

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.

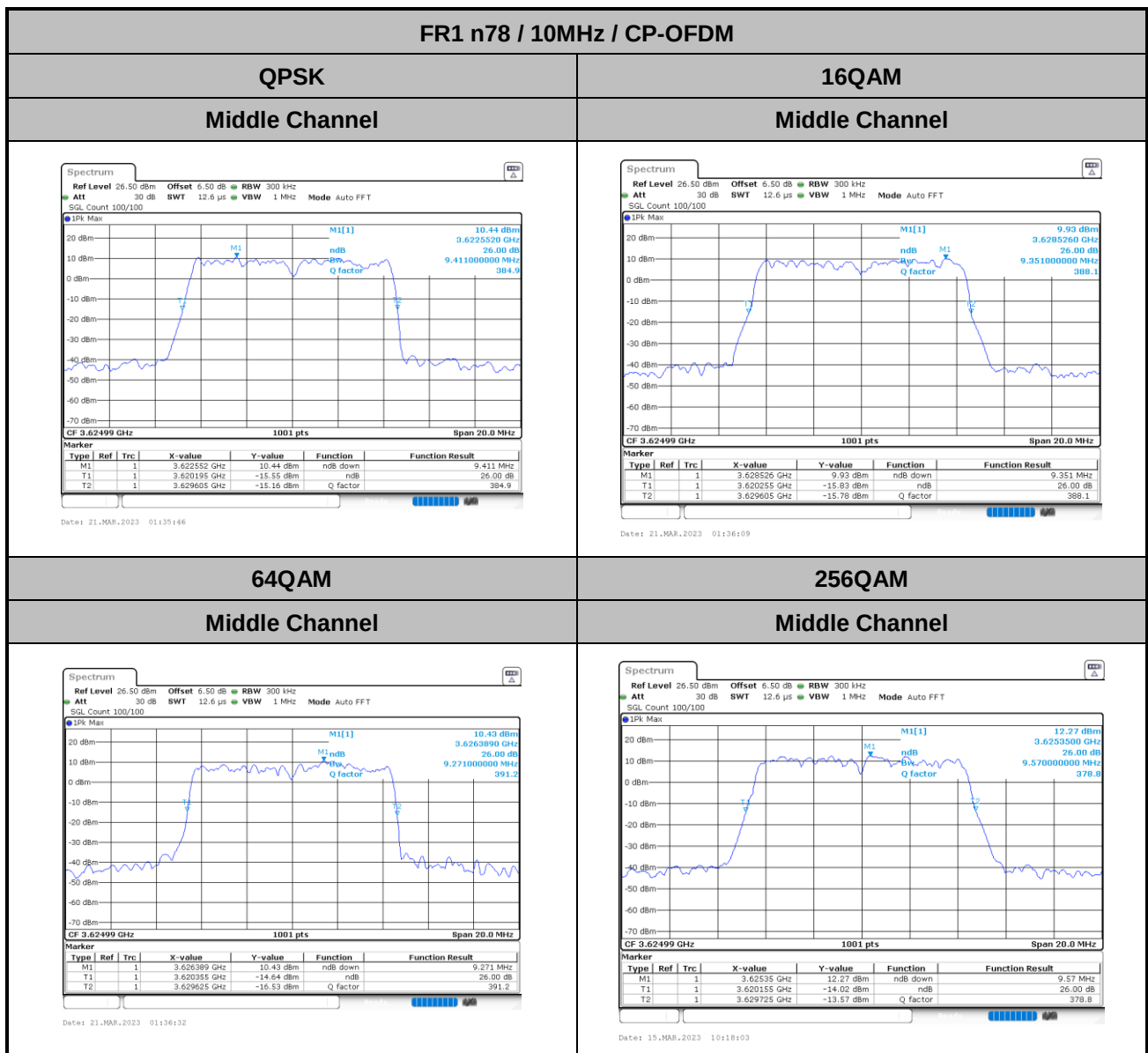
FR1 n78 UL MIMO

26dB Bandwidth

Mode	FR1 n78 : 26dB BW(10 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	9.41	9.35	9.27	9.57
Mode	FR1 n78 : 26dB BW(15 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	14.78	14.39	14.63	14.36
Mode	FR1 n78 : 26dB BW(20 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	19.14	19.02	19.66	19.18
Mode	FR1 n78 : 26dB BW(25 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	24.17	24.10	24.31	24.46
Mode	FR1 n78 : 26dB BW(30 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	29.00	29.26	28.74	29.09
Mode	FR1 n78 : 26dB BW(40 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	40.28	40.12	40.28	40.12
Mode	FR1 n78 : 26dB BW(50 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	49.75	49.75	49.95	49.65
Mode	FR1 n78 : 26dB BW(60 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	60.3	60.3	60.3	60.3
Mode	FR1 n78 : 26dB BW(80 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	80.08	79.92	80.08	79.92



Mode	FR1 n78 : 26dB BW(90 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	92.07	92.61	92.07	92.25
Mode	FR1 n78 : 26dB BW(100 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	102.3	102.3	102.5	102.5

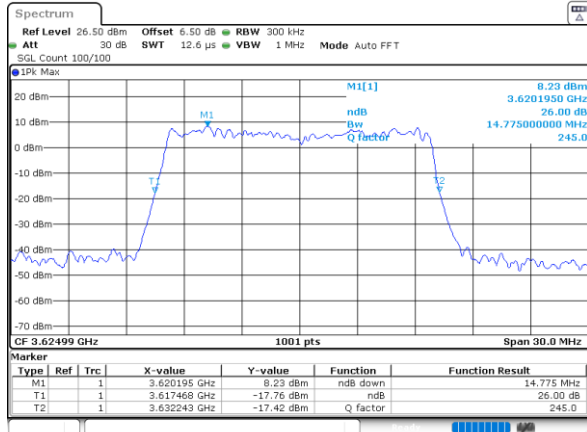




FR1 n78 / 15MHz / CP-OFDM

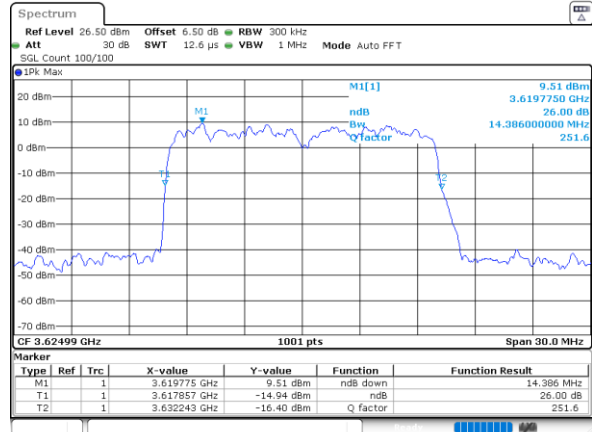
QPSK

Middle Channel



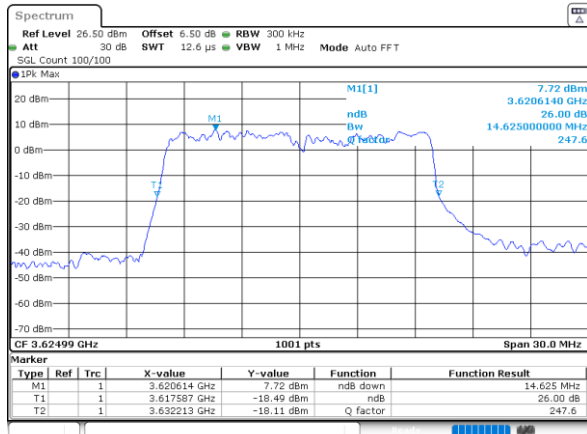
16QAM

Middle Channel



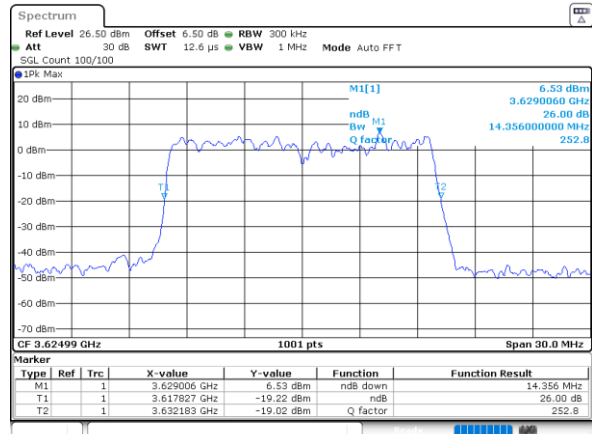
64QAM

Middle Channel



256QAM

Middle Channel

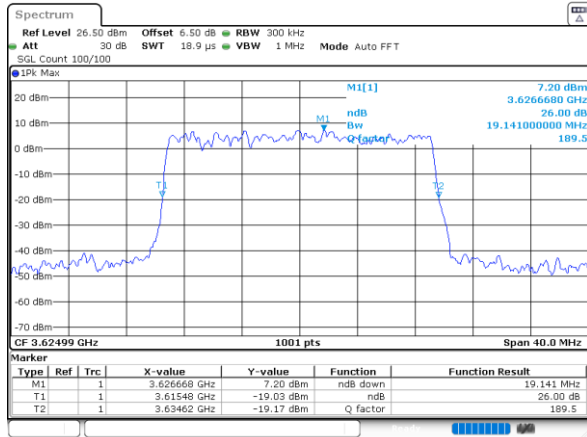




FR1 n78 / 20MHz / CP-OFDM

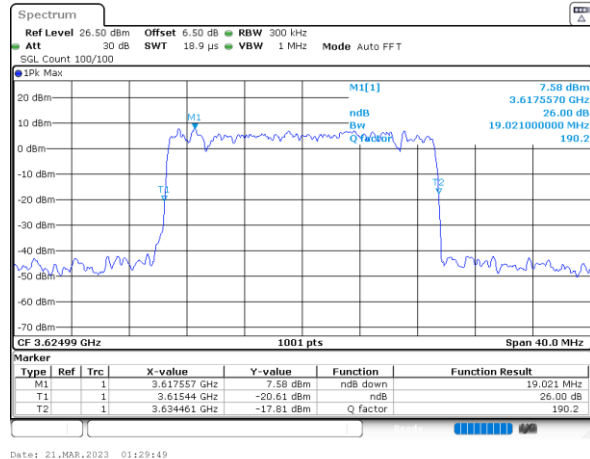
QPSK

Middle Channel



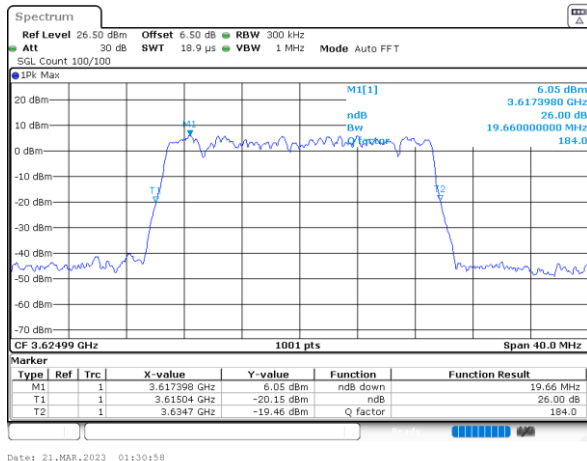
16QAM

Middle Channel



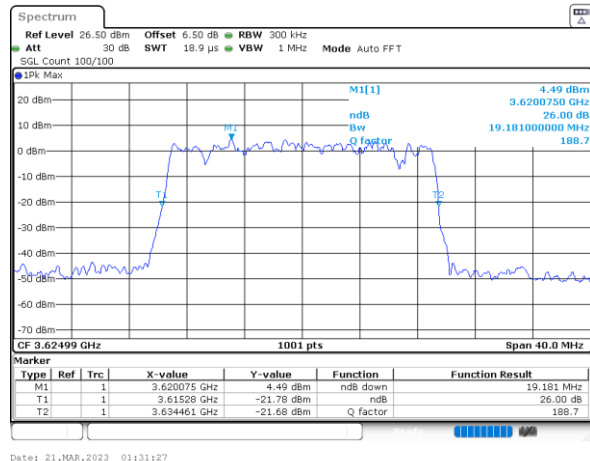
64QAM

Middle Channel



256QAM

Middle Channel

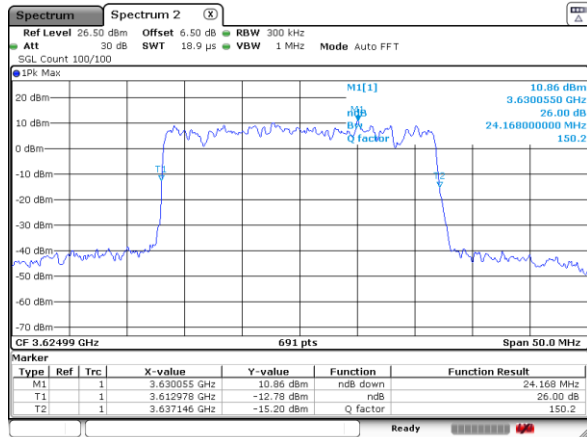




FR1 n78 / 25MHz / CP-OFDM

QPSK

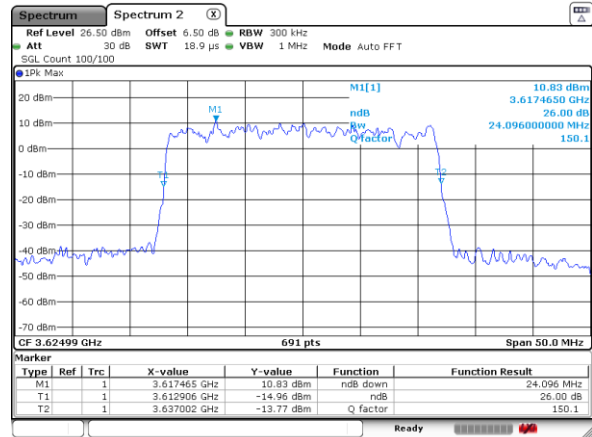
Middle Channel



Date: 28.MAR.2023 23:13:50

16QAM

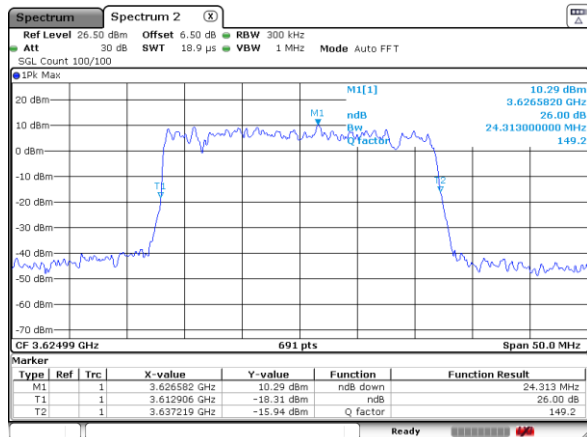
Middle Channel



Date: 28.MAR.2023 23:14:08

64QAM

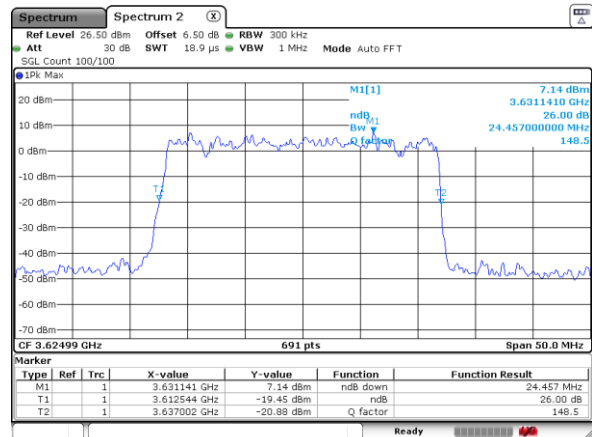
Middle Channel



Date: 28.MAR.2023 23:14:59

256QAM

Middle Channel



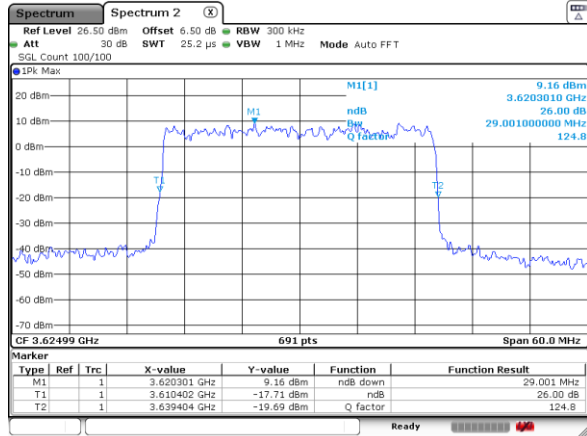
Date: 28.MAR.2023 23:15:19



FR1 n78 / 30MHz / CP-OFDM

QPSK

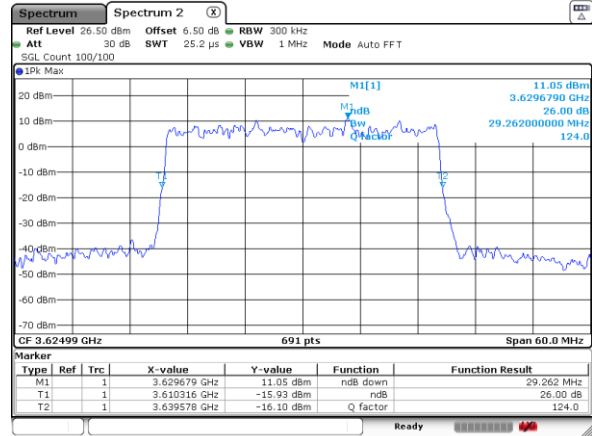
Middle Channel



Date: 28.MAR.2023 23:10:54

16QAM

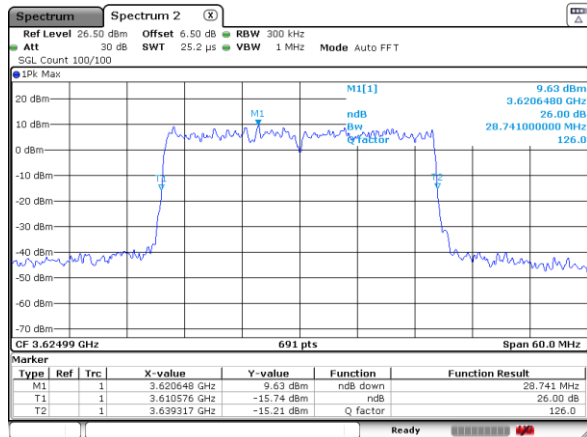
Middle Channel



Date: 28.MAR.2023 23:11:20

64QAM

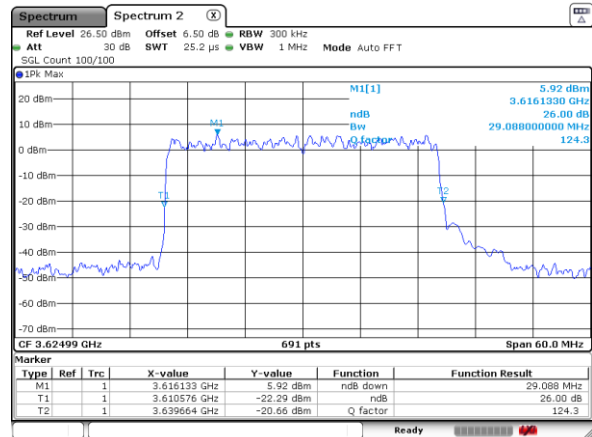
Middle Channel



Date: 28.MAR.2023 23:12:10

256QAM

Middle Channel



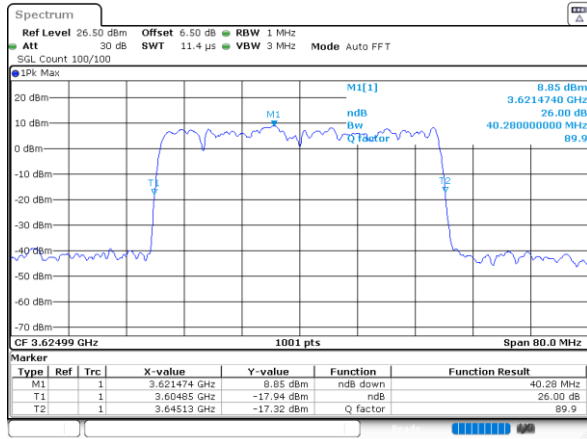
Date: 28.MAR.2023 23:12:38



FR1 n78 / 40MHz / CP-OFDM

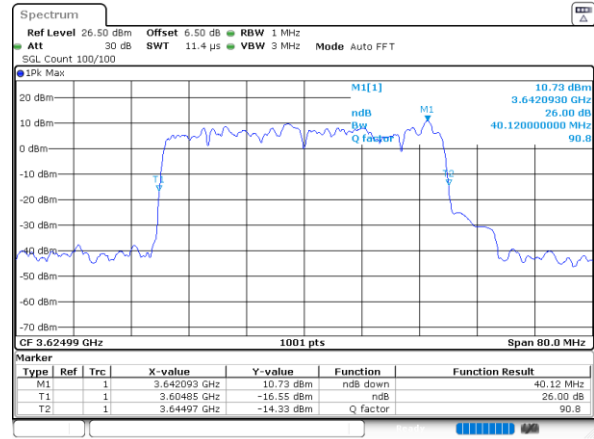
QPSK

Middle Channel



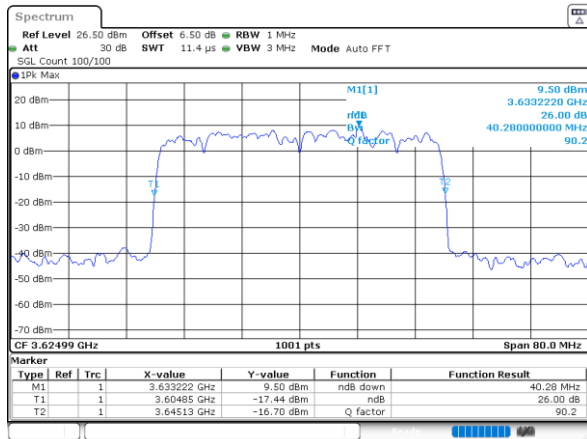
16QAM

Middle Channel



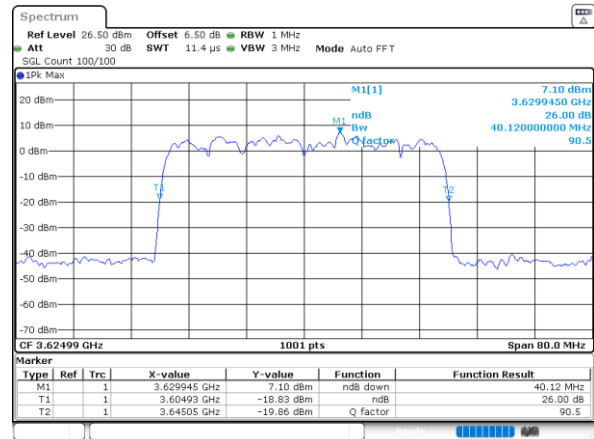
64QAM

Middle Channel



256QAM

Middle Channel

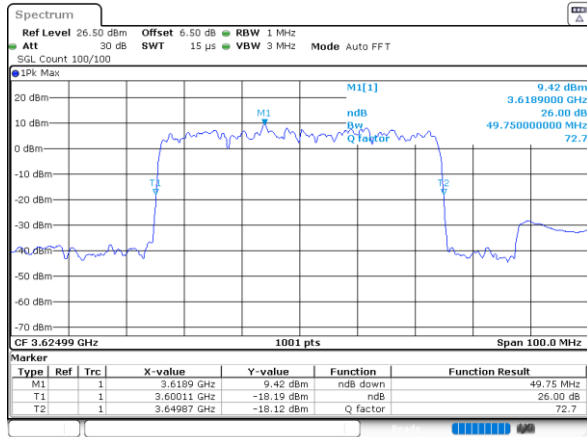




FR1 n78 / 50MHz / CP-OFDM

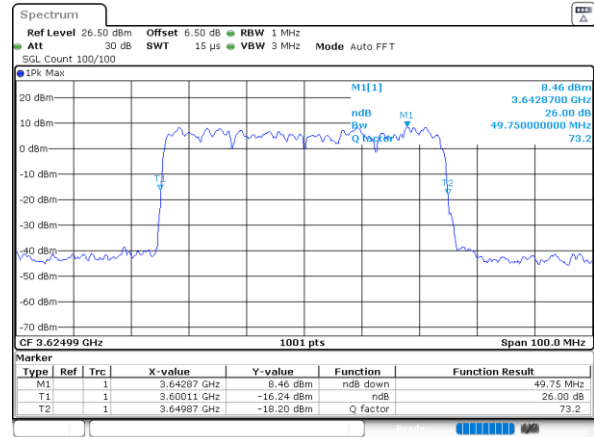
QPSK

Middle Channel



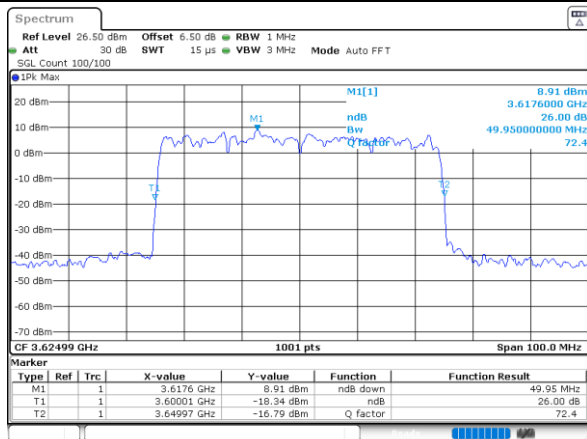
16QAM

Middle Channel



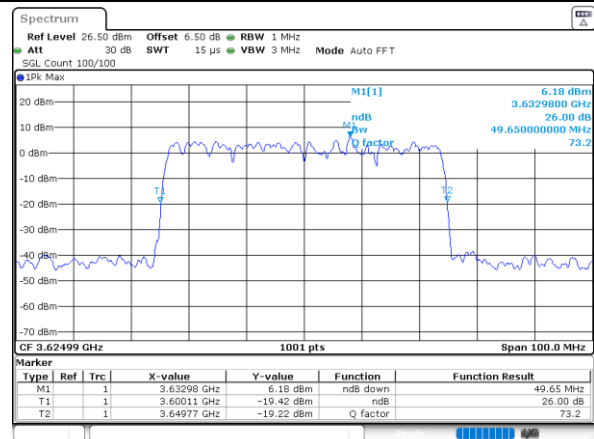
64QAM

Middle Channel



256QAM

Middle Channel

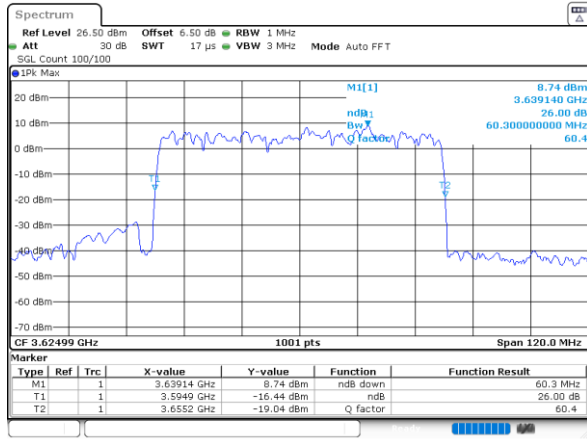




FR1 n78 / 60MHz / CP-OFDM

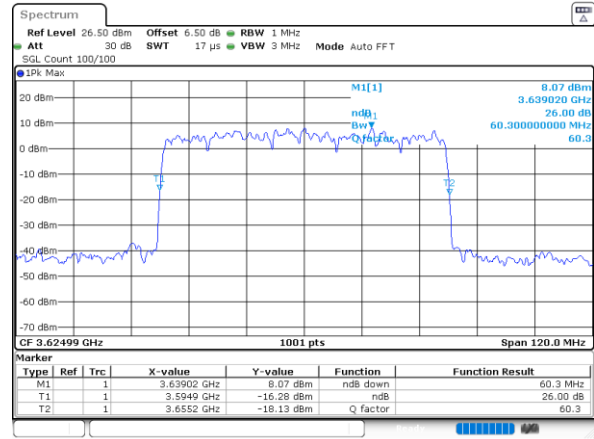
QPSK

Middle Channel



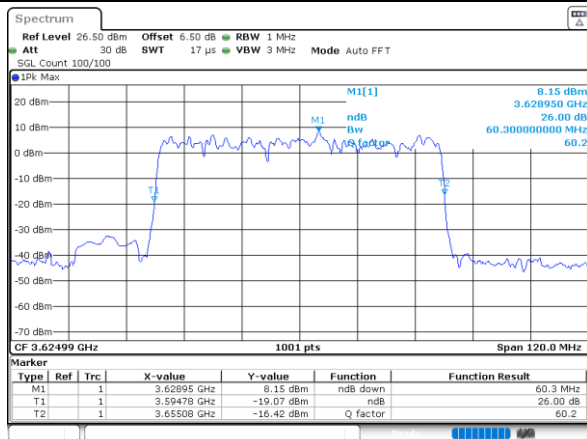
16QAM

Middle Channel



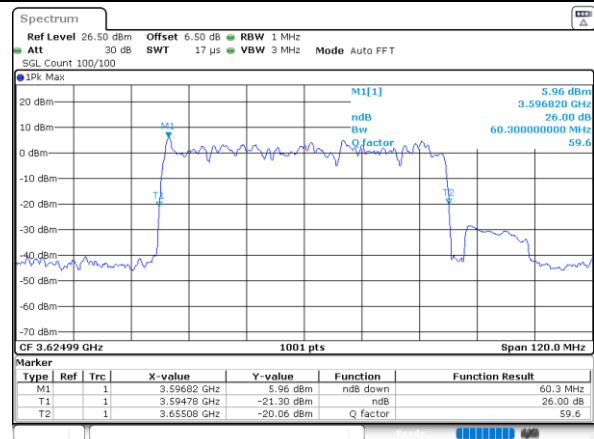
64QAM

Middle Channel



256QAM

Middle Channel

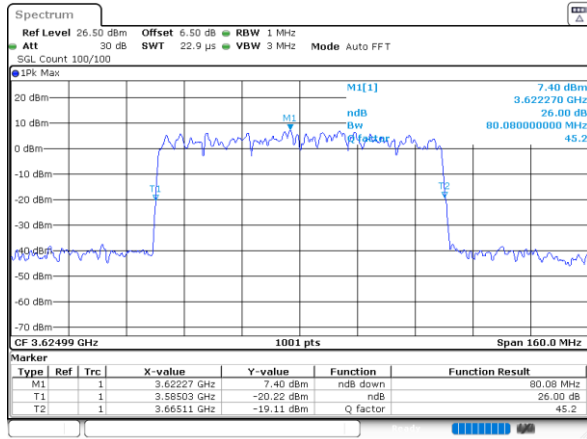




FR1 n78 / 80MHz / CP-OFDM

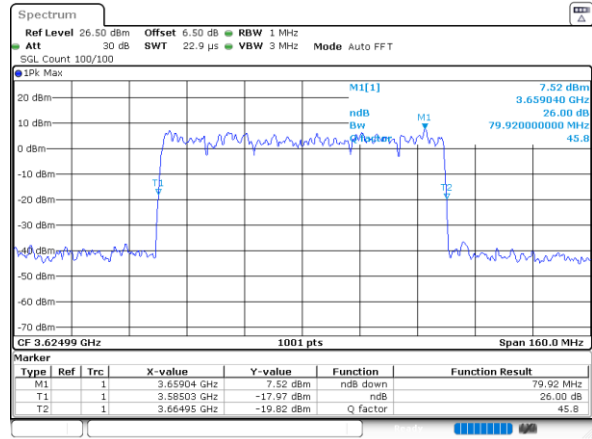
QPSK

Middle Channel



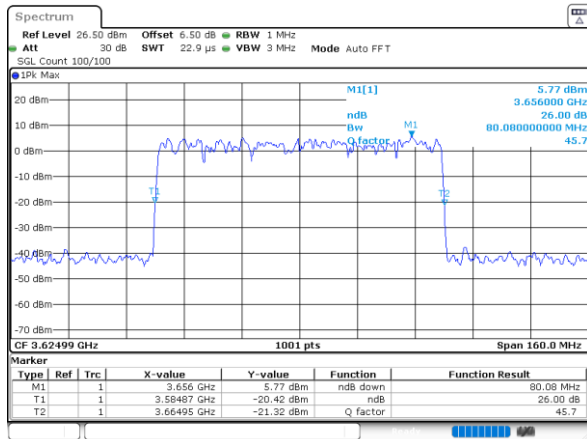
16QAM

Middle Channel



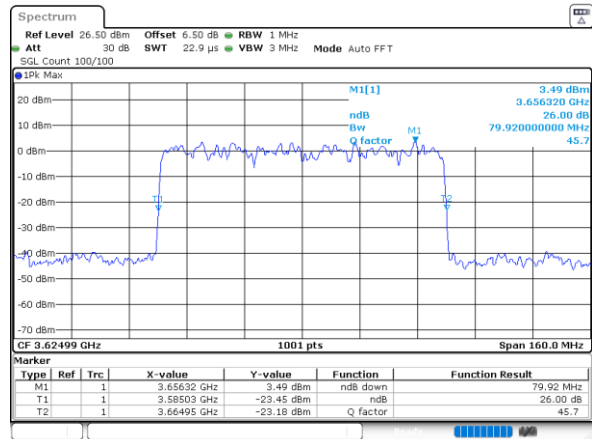
64QAM

Middle Channel



256QAM

Middle Channel

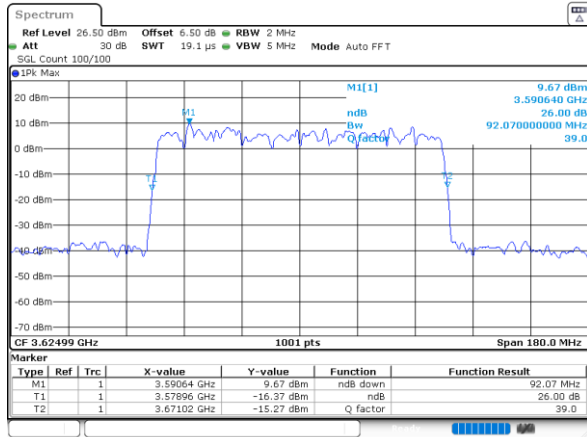




FR1 n78 / 90MHz / CP-OFDM

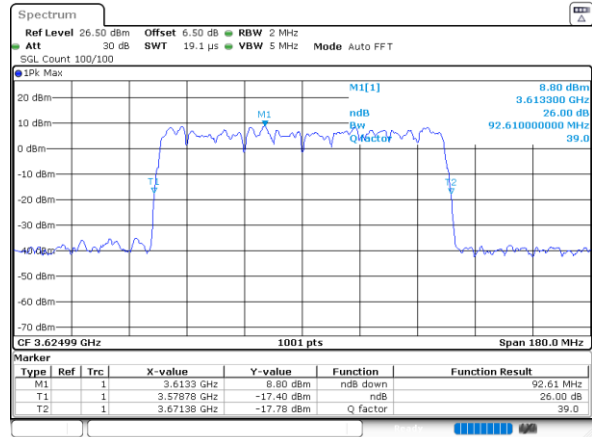
QPSK

Middle Channel



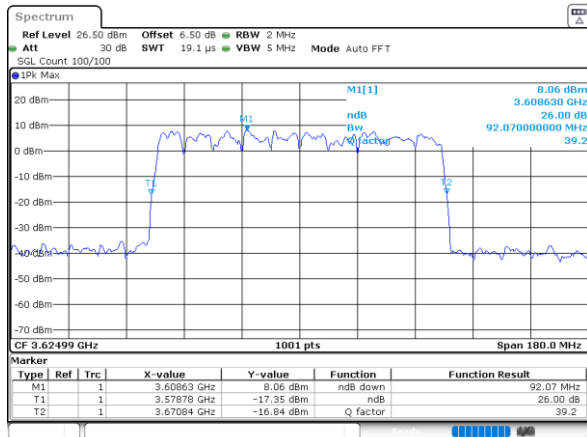
16QAM

Middle Channel



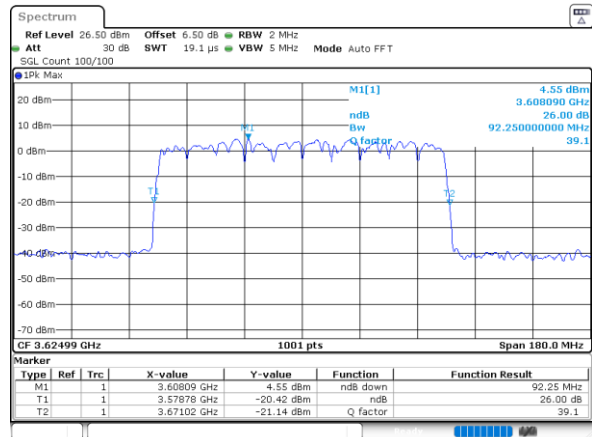
64QAM

Middle Channel



256QAM

Middle Channel

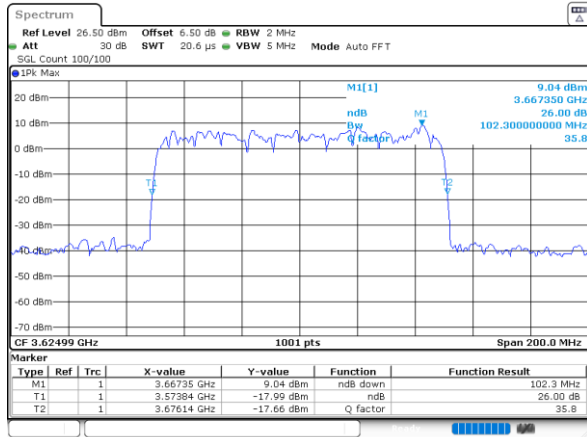




FR1 n78 / 100MHz / CP-OFDM

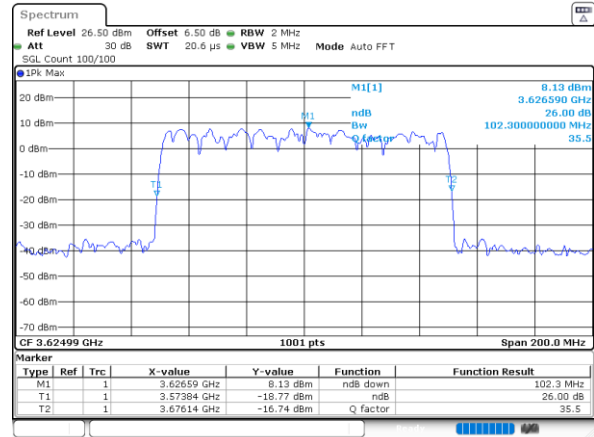
QPSK

Middle Channel



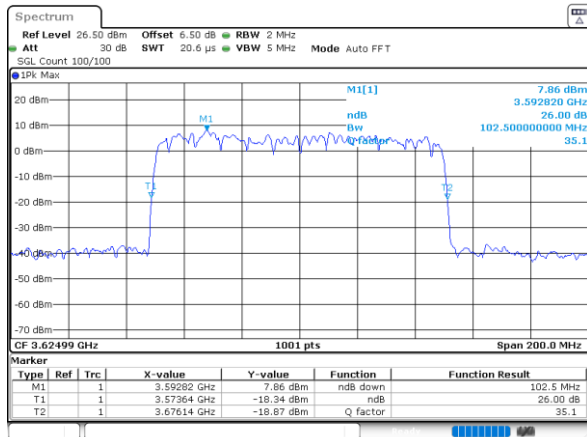
16QAM

Middle Channel



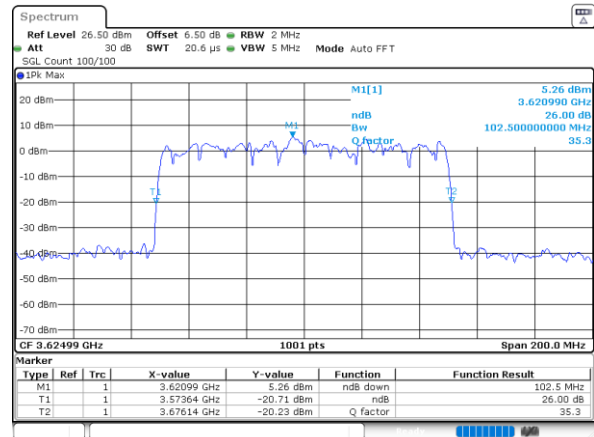
64QAM

Middle Channel



256QAM

Middle Channel

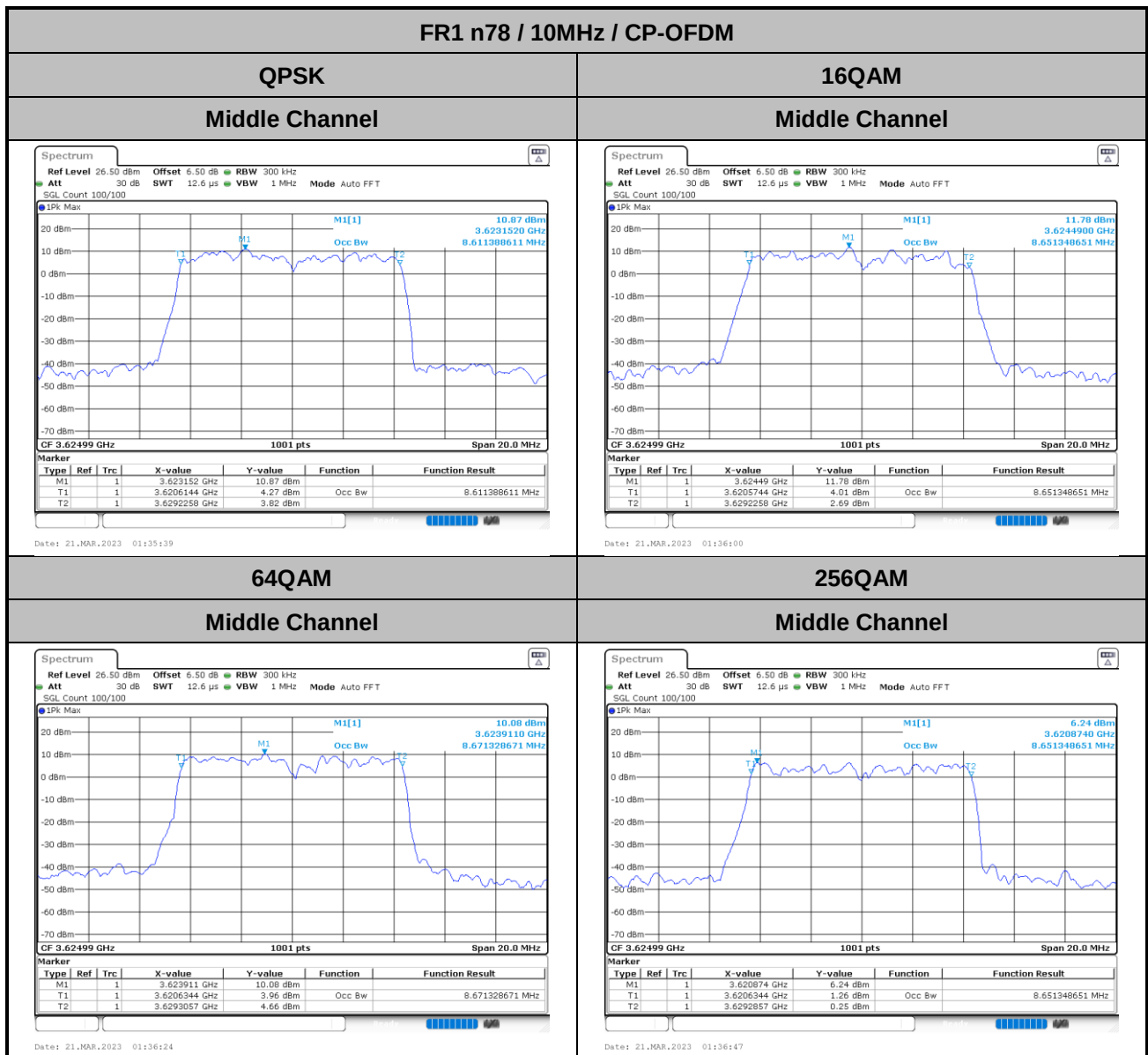


Occupied Bandwidth

Mode	FR1 n78 : OB BW(10 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	8.61	8.65	8.67	8.65
Mode	FR1 n78 : OB BW(15 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	13.52	13.64	13.61	13.61
Mode	FR1 n78 : OB BW(20 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	18.18	18.22	18.30	18.18
Mode	FR1 n78 : OB BW(25 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
	23.08	23.30	23.23	23.23
Mode	FR1 n78 : OB BW(30 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
	27.87	27.87	27.87	27.87
Mode	FR1 n78 : OB BW(40 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	38.36	37.88	38.04	38.04
Mode	FR1 n78 : OB BW(50 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	47.65	47.35	47.45	47.75
Mode	FR1 n78 : OB BW(60 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	58.02	57.90	57.42	57.66
Mode	FR1 n78 : OB BW(80 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	77.36	77.68	77.68	77.20



Mode	FR1 n78 : OB BW(90 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	86.31	86.67	86.67	87.57
Mode	FR1 n78 : OB BW(100 MHz) / CP OFDM			
BW	CP			
Mod.	QPSK	16QAM	64QAM	256QAM
Middle CH	97.90	98.10	97.50	96.90

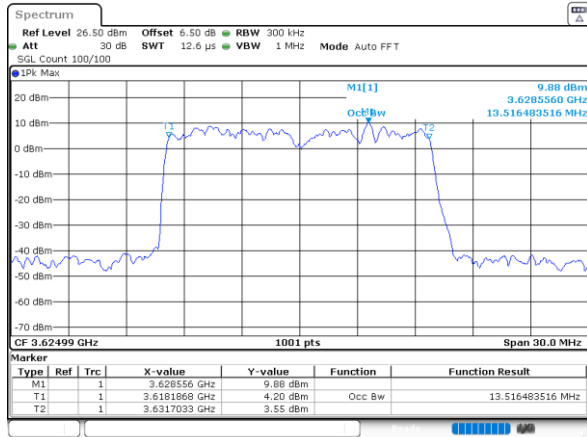




FR1 n78 / 15MHz / CP-OFDM

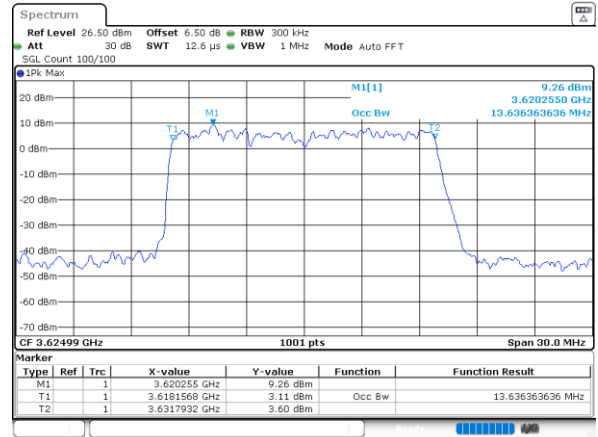
QPSK

Middle Channel



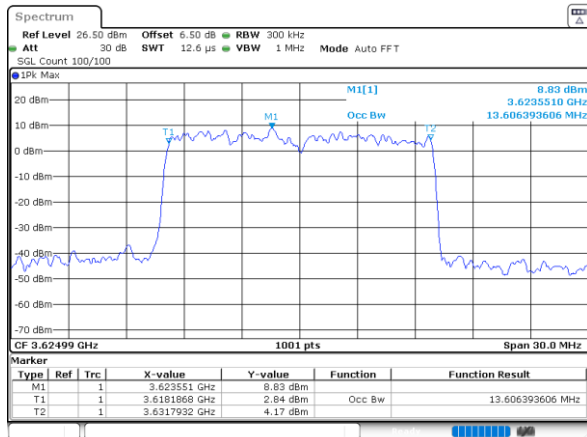
16QAM

Middle Channel



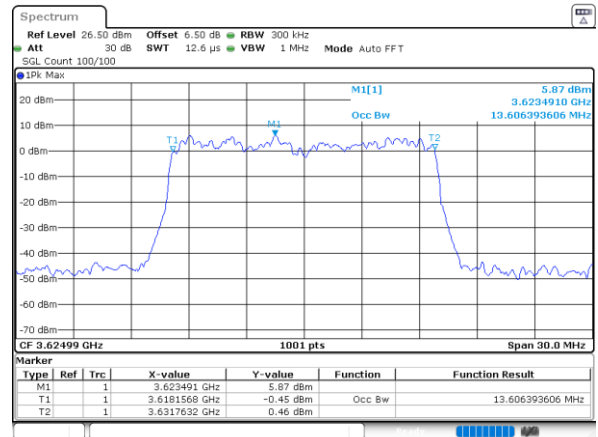
64QAM

Middle Channel



256QAM

Middle Channel

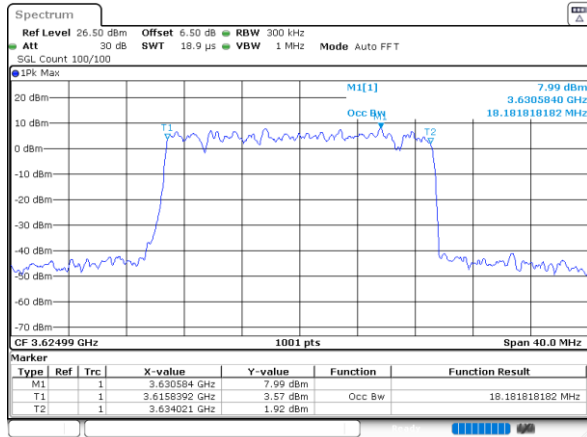




FR1 n78 / 20MHz / CP-OFDM

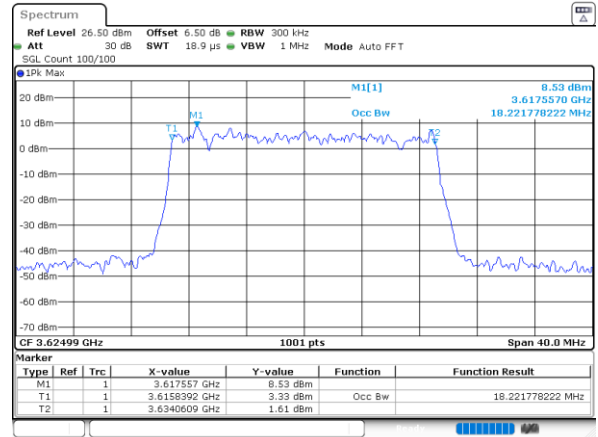
QPSK

Middle Channel



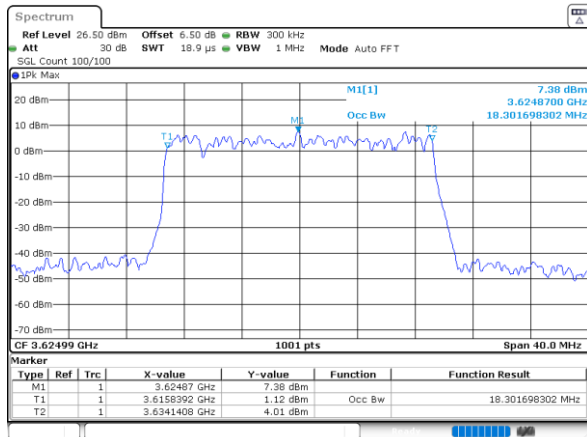
16QAM

Middle Channel



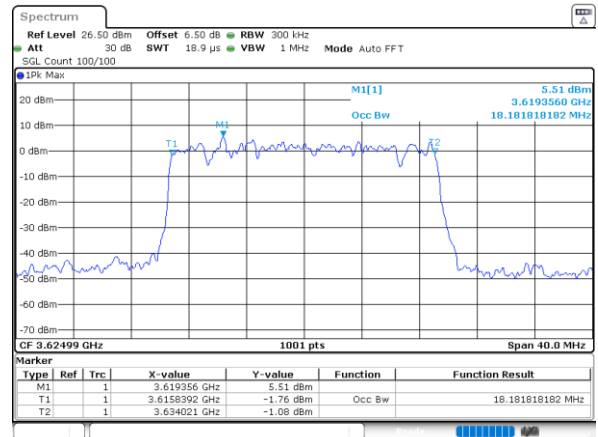
64QAM

Middle Channel



256QAM

Middle Channel

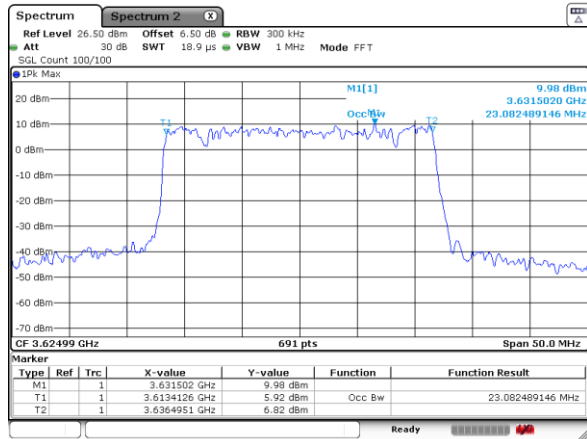




FR1 n78 / 25MHz / CP-OFDM

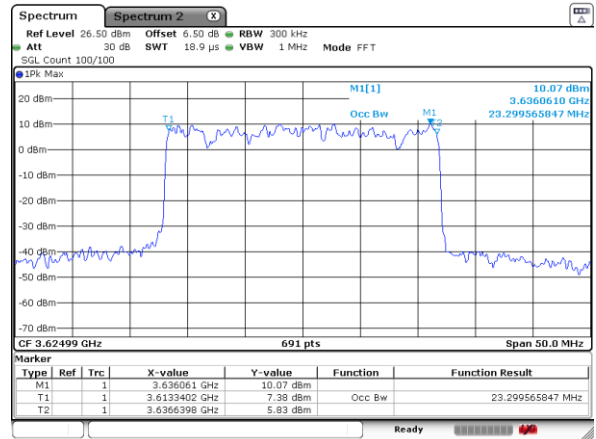
QPSK

Middle Channel



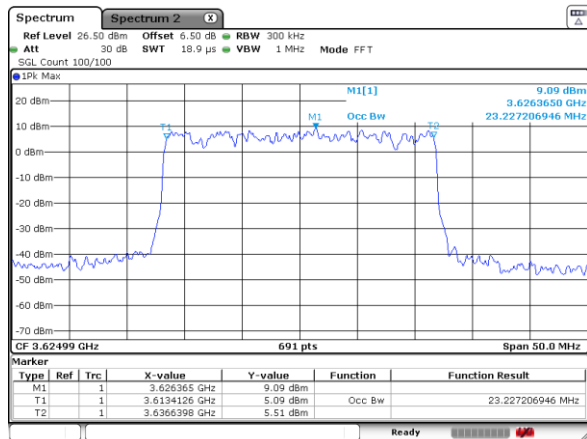
16QAM

Middle Channel



64QAM

Middle Channel



256QAM

Middle Channel

