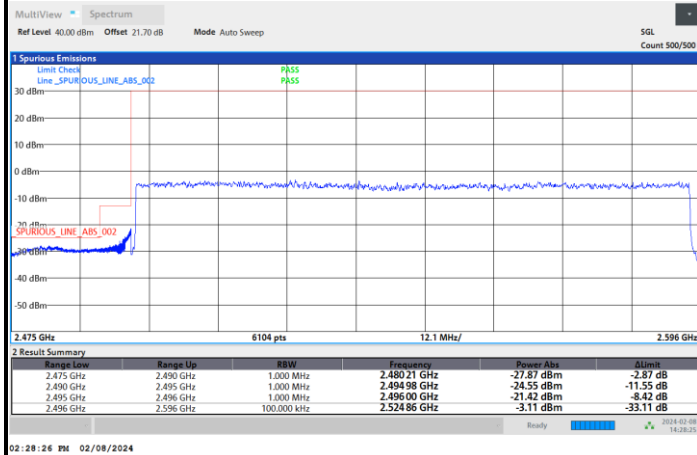


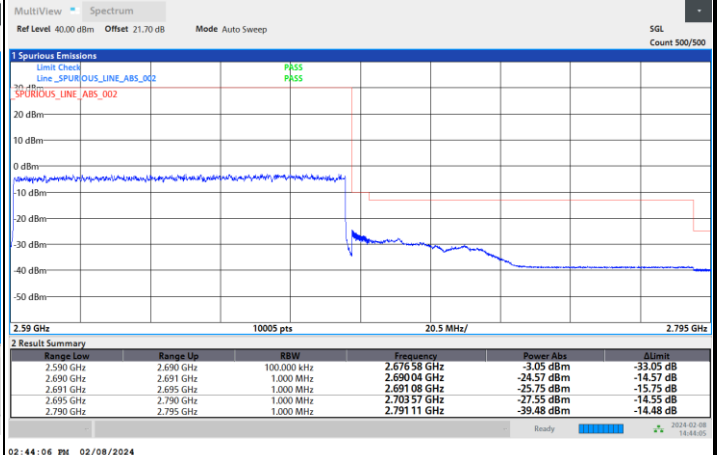


FR1 n41 / 100MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

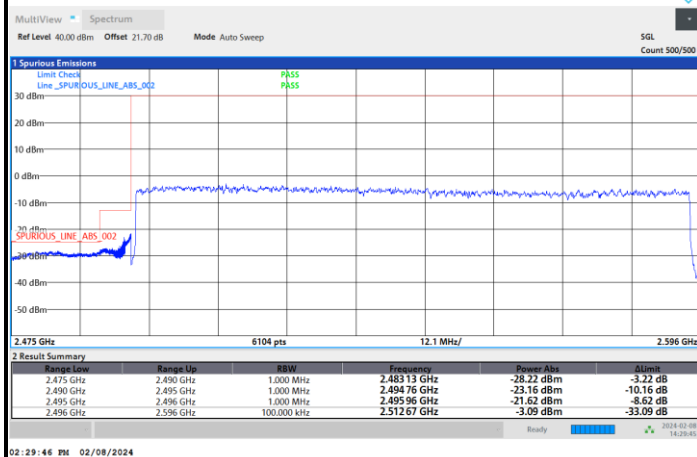


Highest Band Edge / Full RB



FR1 n41 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



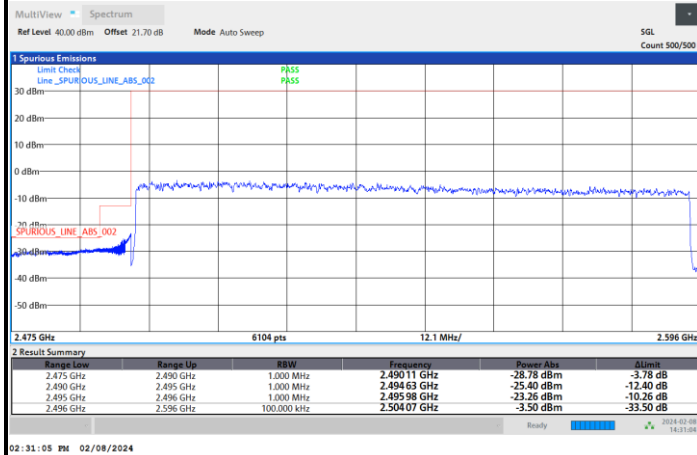
Highest Band Edge / Full RB



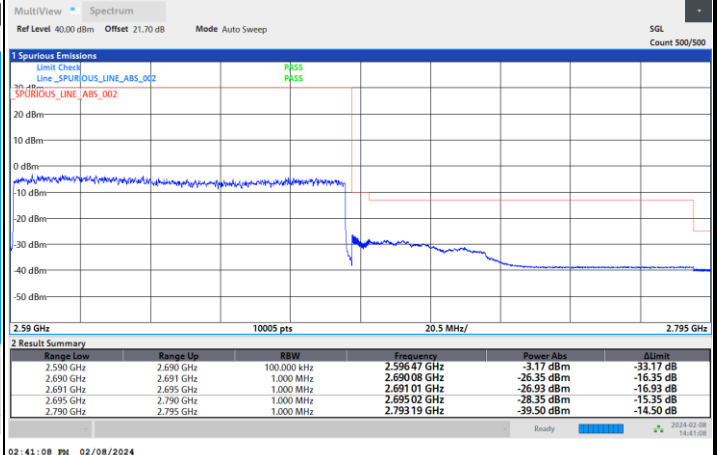


FR1 n41 / 100MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

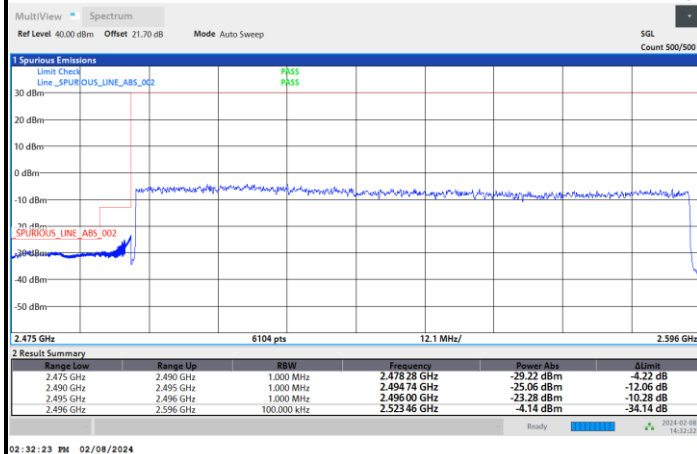


Highest Band Edge / Full RB

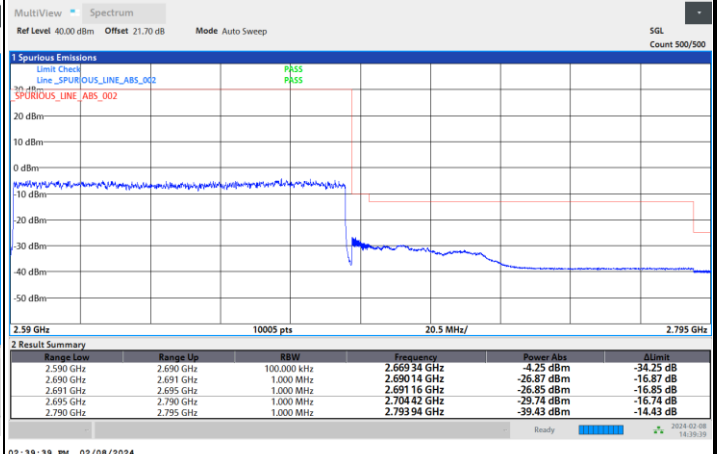


FR1 n41 / 100MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB



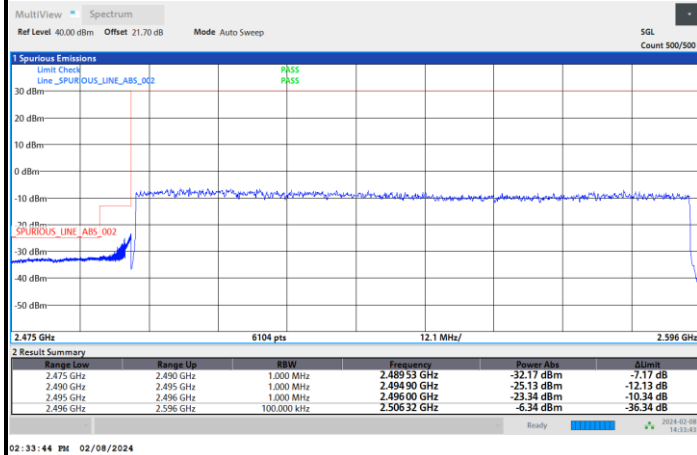
Highest Band Edge / Full RB



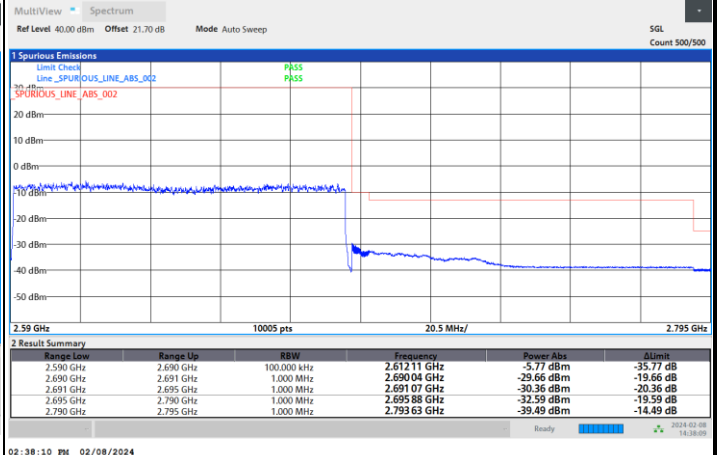


FR1 n41 / 100MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

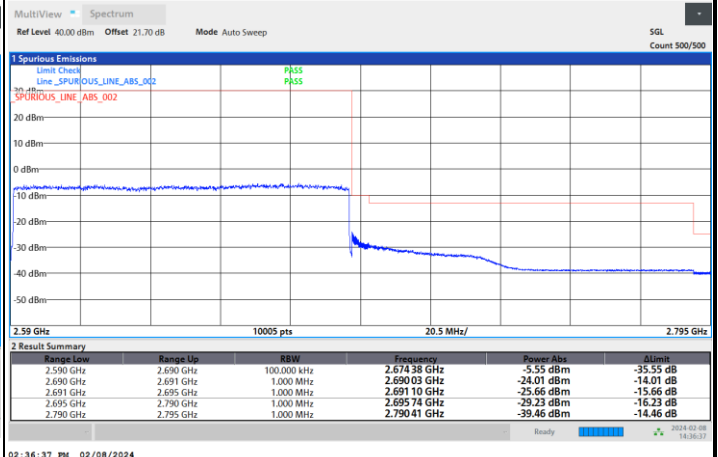


FR1 n41 / 100MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge

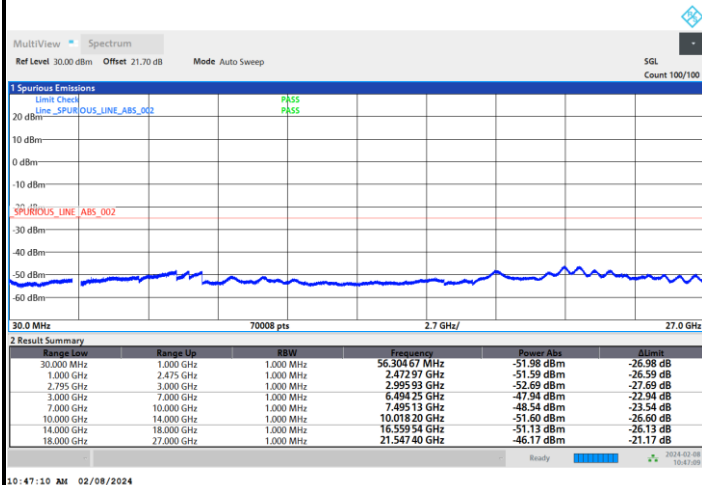




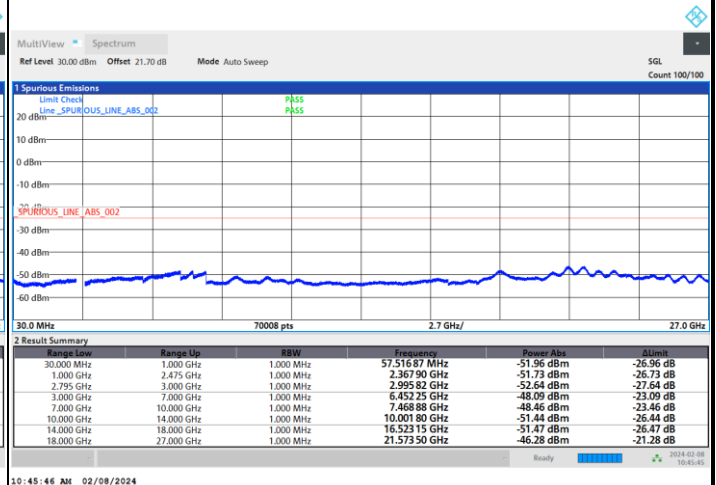
Conducted Spurious Emission

FR1 n41 / 10MHz / DFT-S OFDM / QPSK / 1RB1

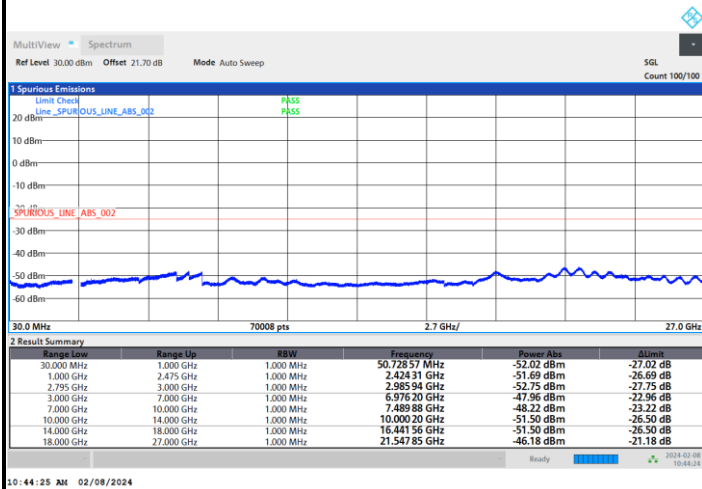
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n41 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0034	PASS
40	Normal Voltage	0.0045	
30	Normal Voltage	0.0127	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0129	
-10	Normal Voltage	0.0150	
-20	Normal Voltage	0.0098	
-30	Normal Voltage	0.0158	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0050	

Note:

1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

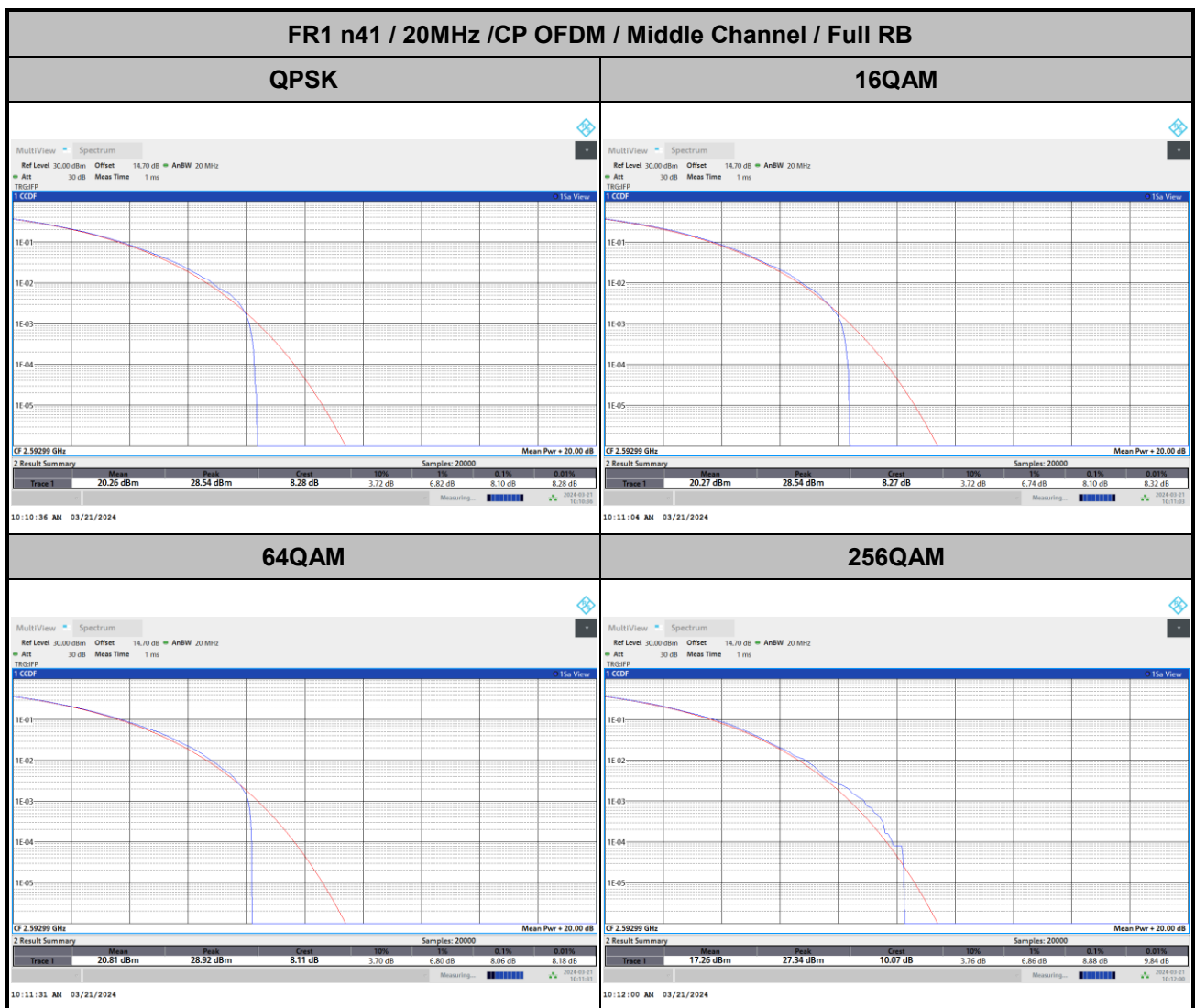


FR1 n41

<MIMO TX0 Antenna>

Peak-to-Average Ratio

Mode	FR1 n41 / 20MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	8.10	8.10	8.06	8.88	PASS



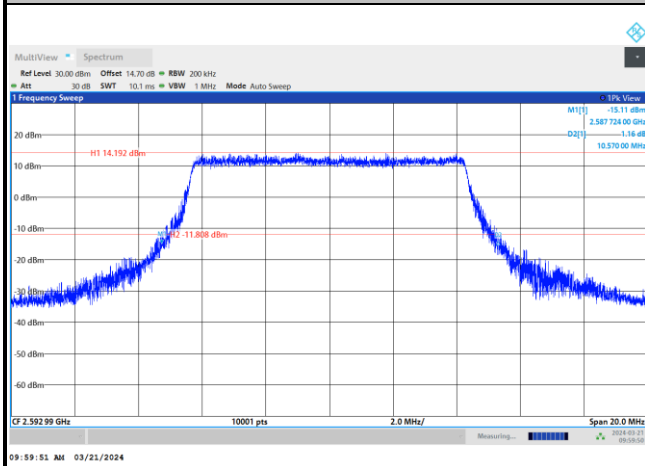
**26dB Bandwidth**

Mode	FR1 n41 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	10.57	10.32	15.74	15.35	20.69	20.80	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	10.31	10.11	15.30	15.35	20.67	20.46	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	32.77	31.14	42.87	42.86	52.08	51.75	66.37	66.71
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	31.12	31.25	42.94	42.10	52.34	51.93	66.26	65.95
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	75.77	76.43	85.92	86.18	95.58	95.90	106.06	105.70
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	76.08	75.64	86.02	87.01	96.37	96.37	106.36	106.24

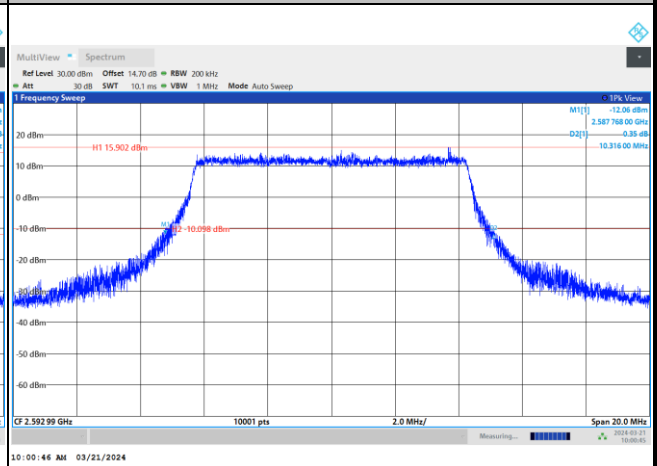


FR1 n41 / 10MHz / CP OFDM / Middle Channel / Full RB

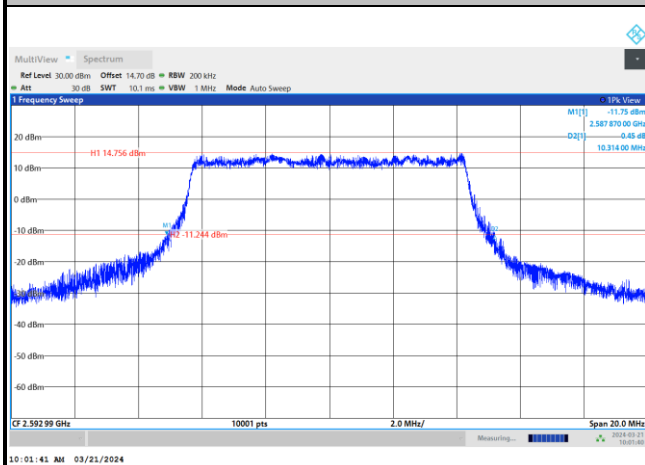
QPSK



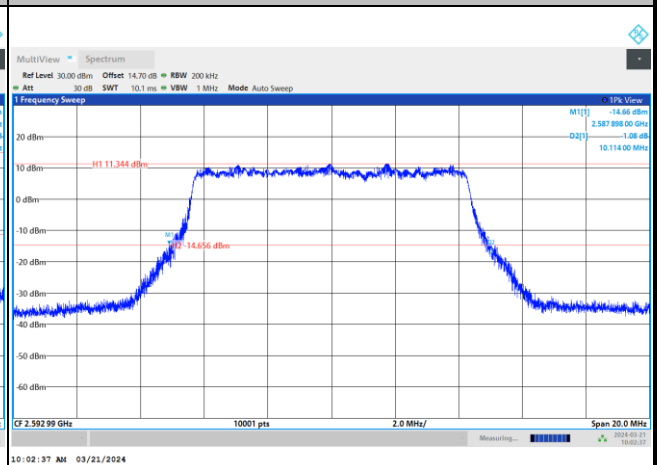
16QAM

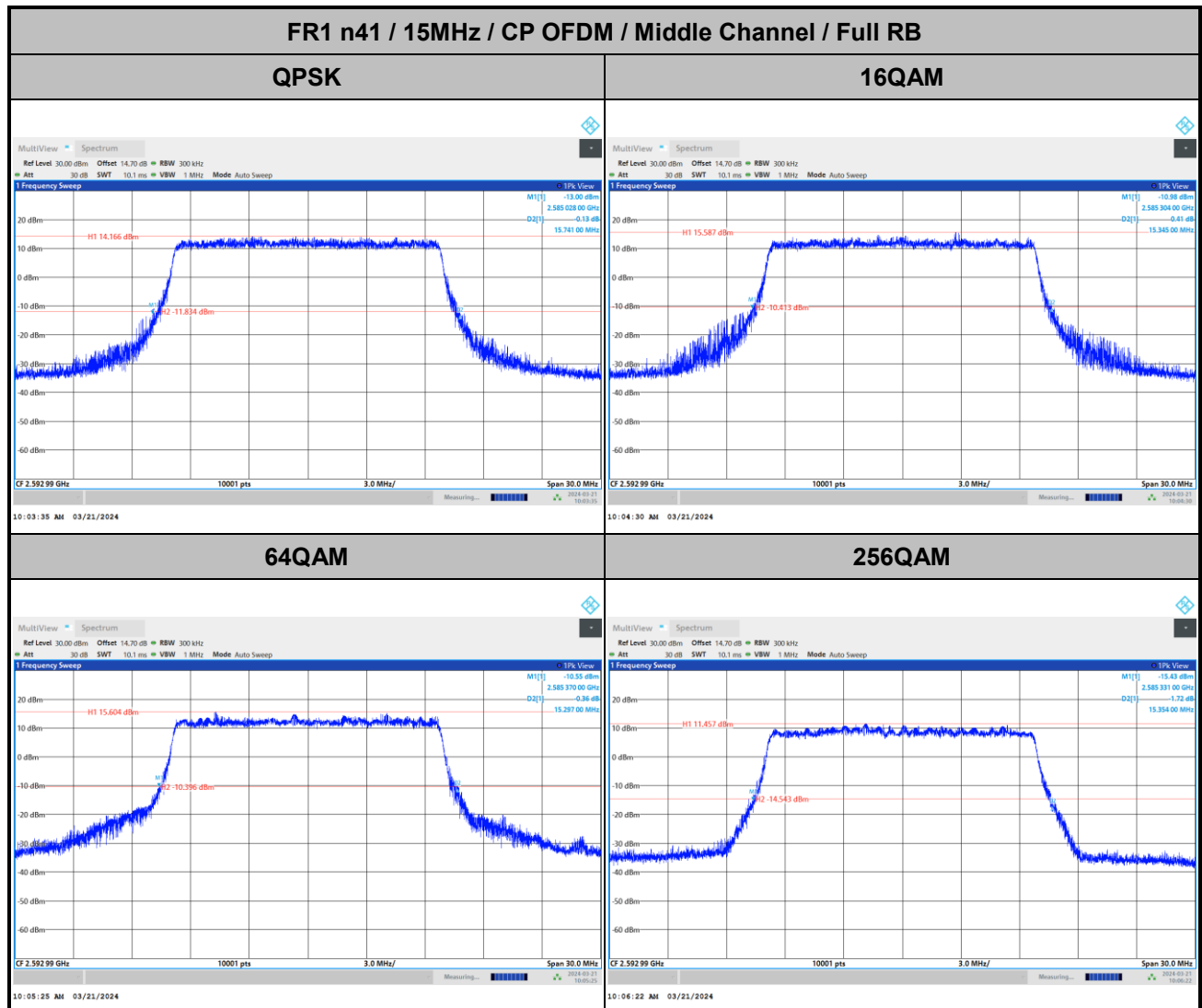


64QAM



256QAM

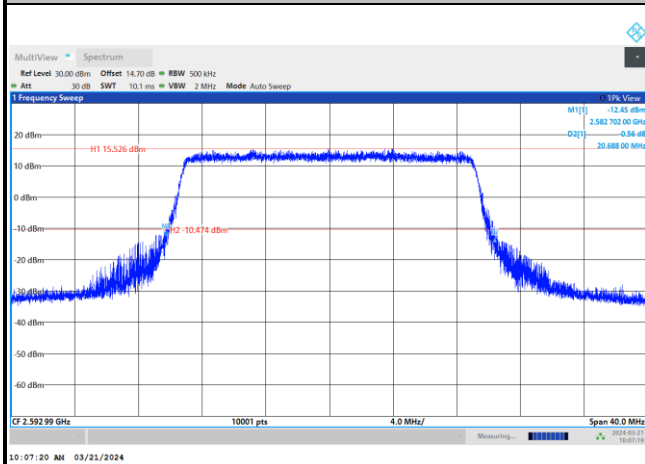




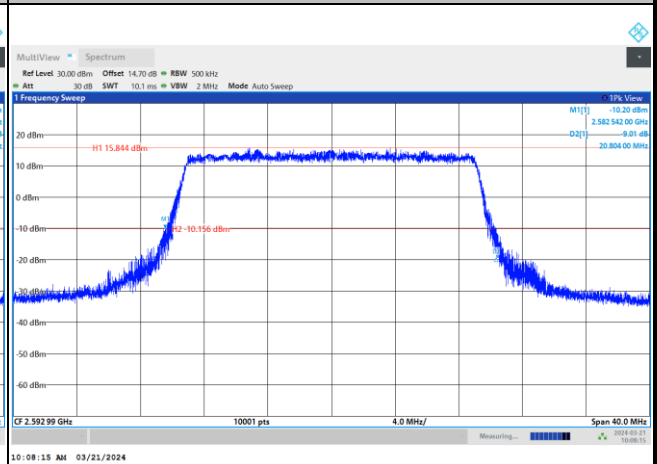


FR1 n41 / 20MHz / CP OFDM / Middle Channel / Full RB

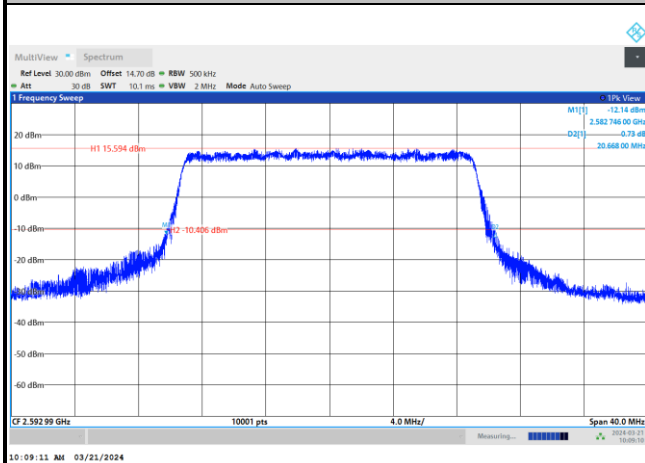
QPSK



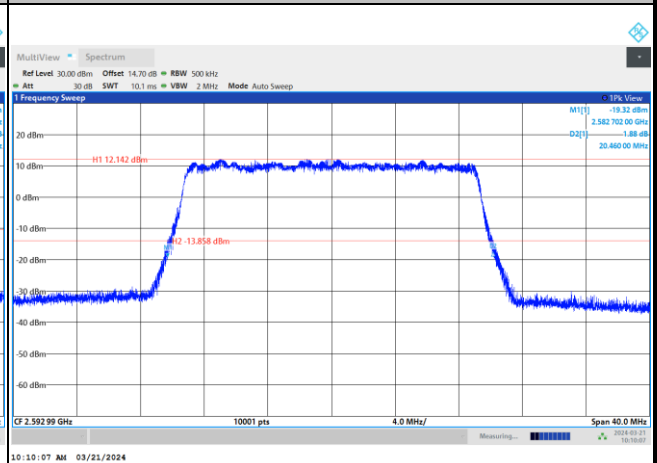
16QAM

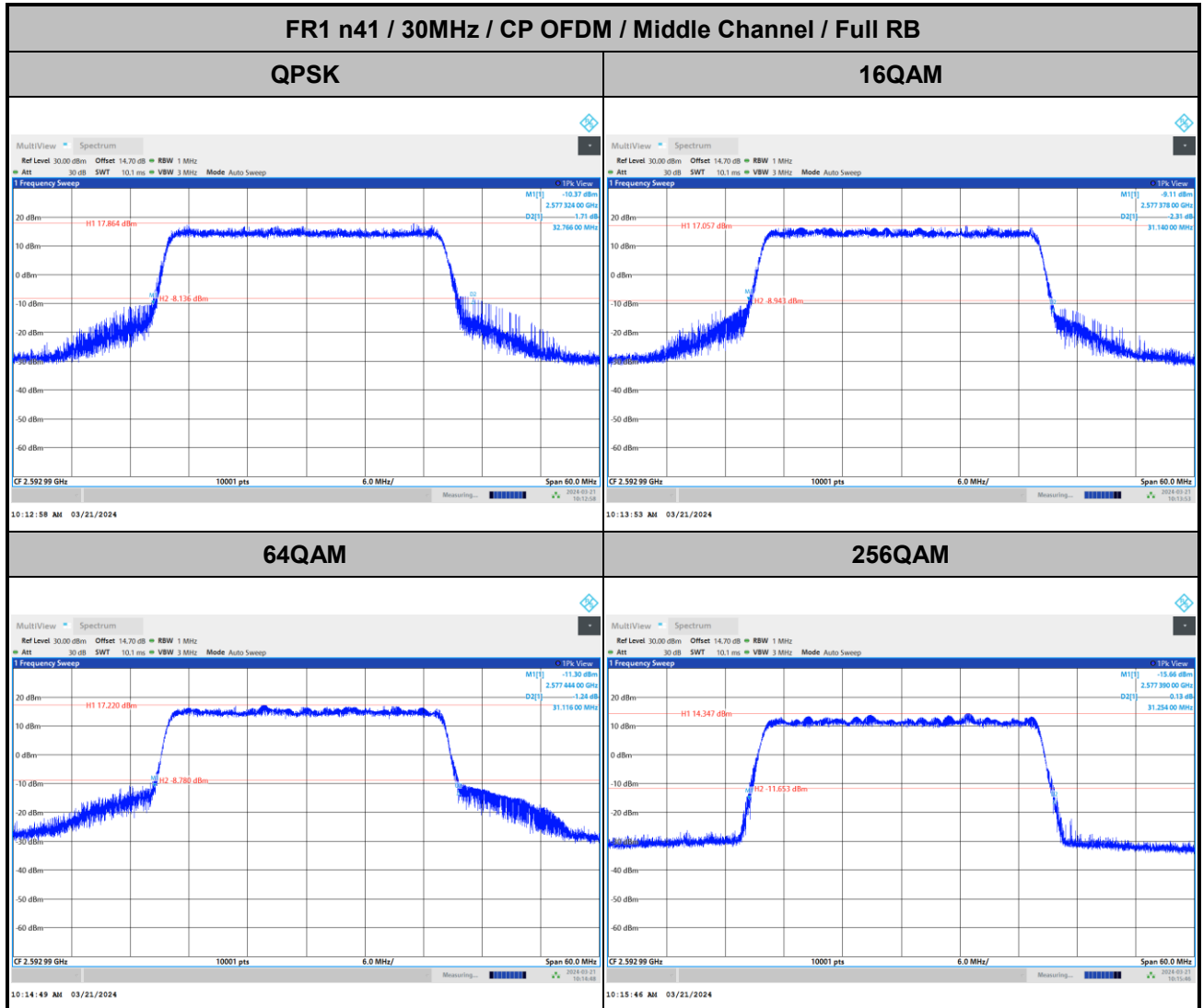


64QAM



256QAM

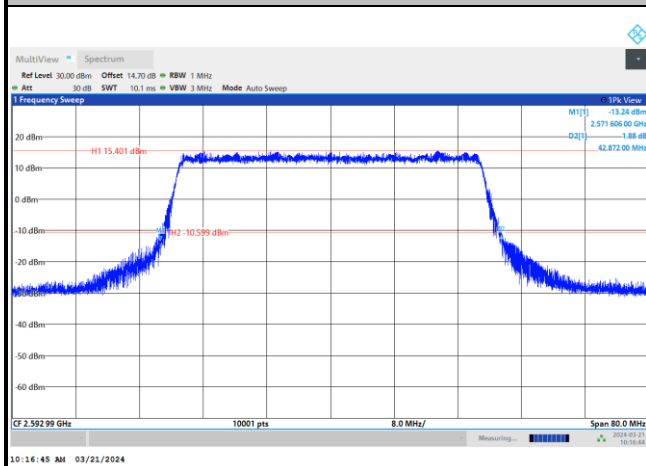




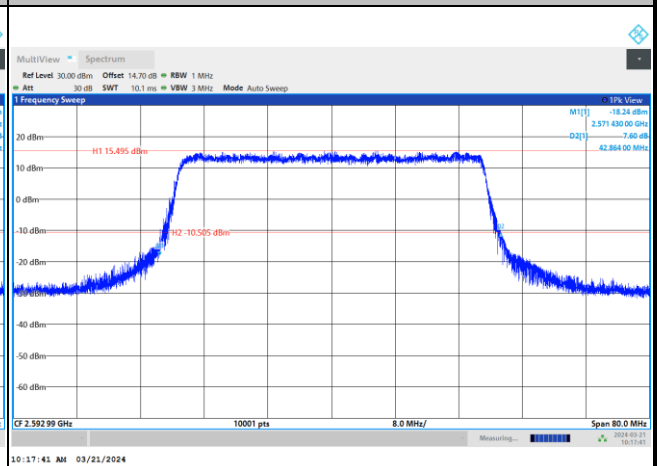


FR1 n41 / 40MHz / CP OFDM / Middle Channel / Full RB

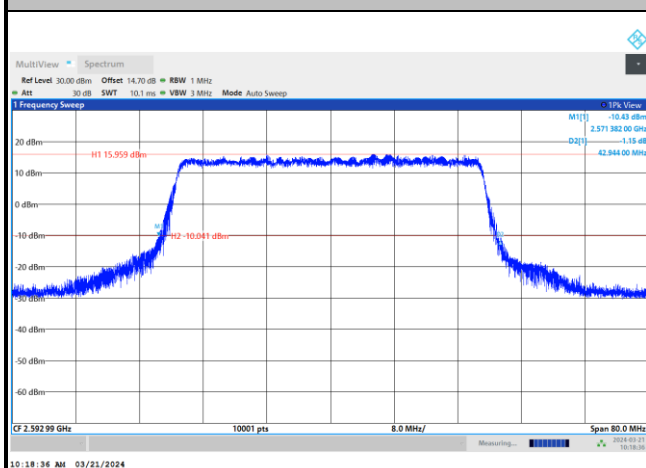
QPSK



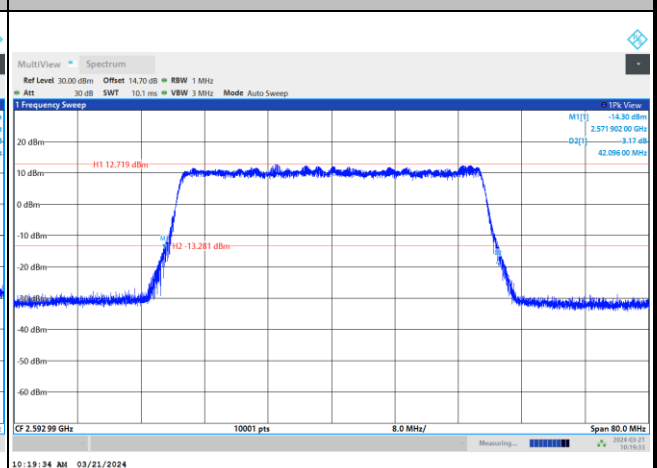
16QAM



64QAM



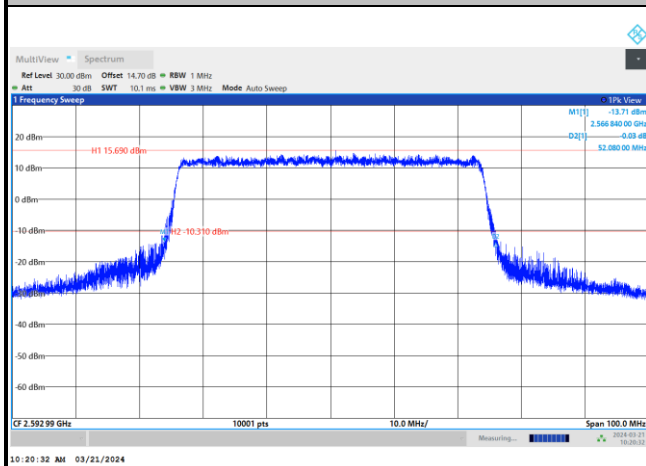
256QAM



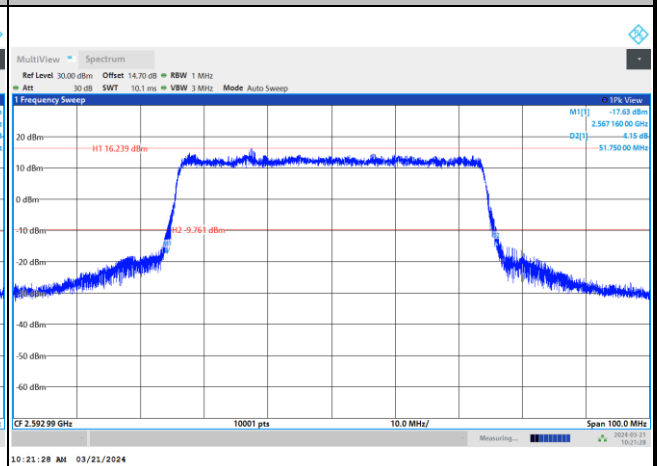


FR1 n41 / 50MHz / CP OFDM / Middle Channel / Full RB

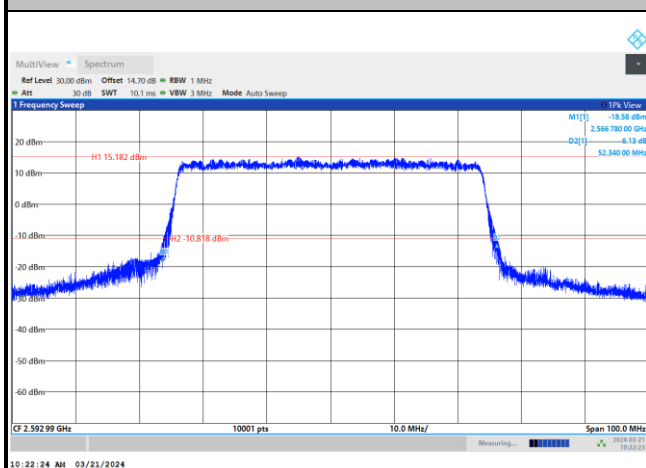
QPSK



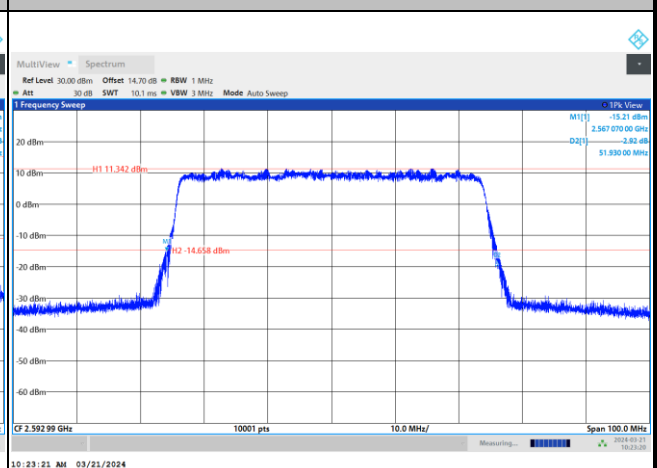
16QAM



64QAM



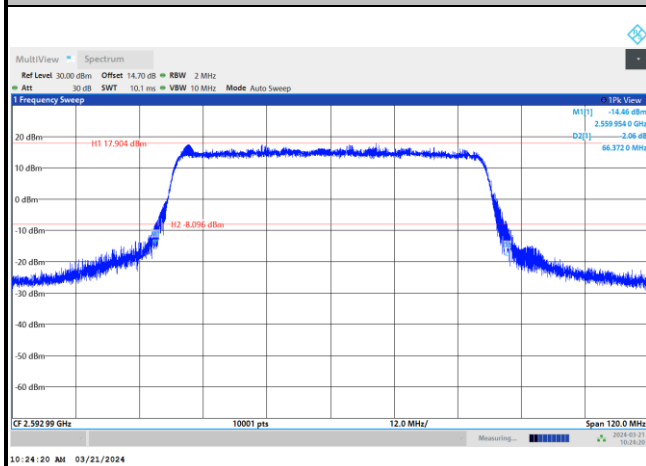
256QAM



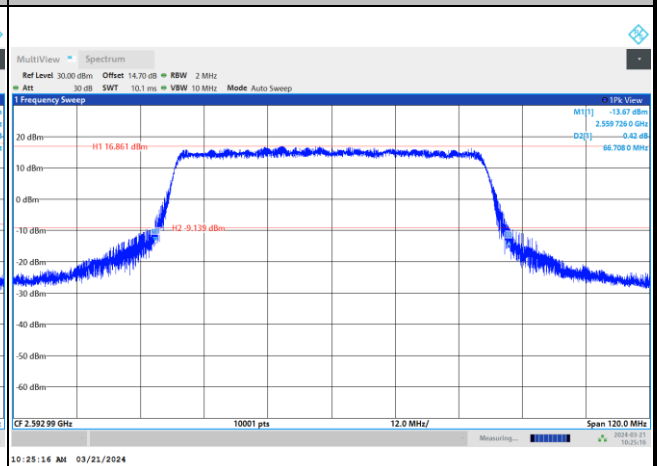


FR1 n41 / 60MHz / CP OFDM / Middle Channel / Full RB

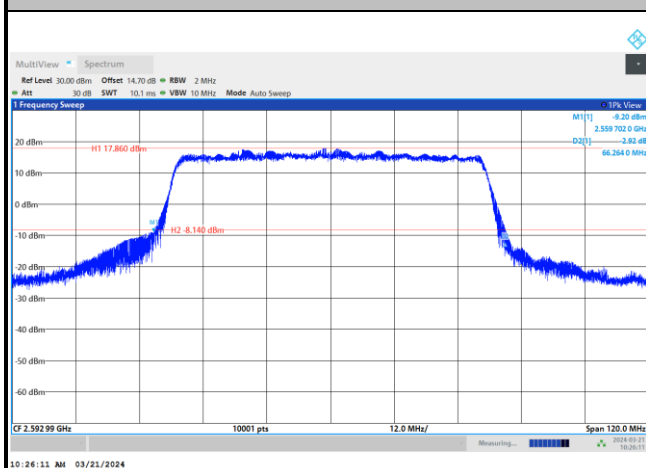
QPSK



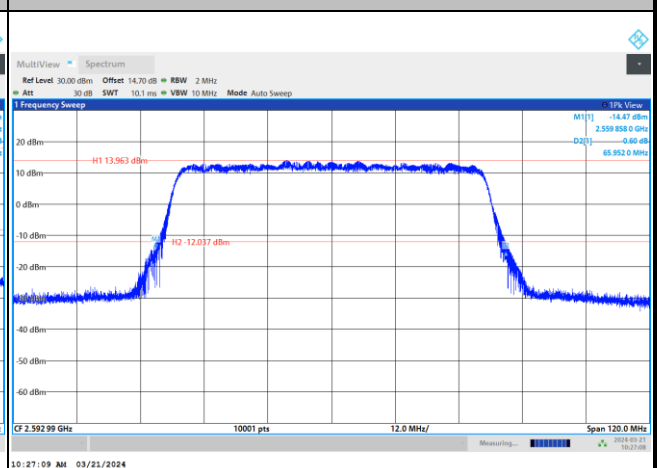
16QAM

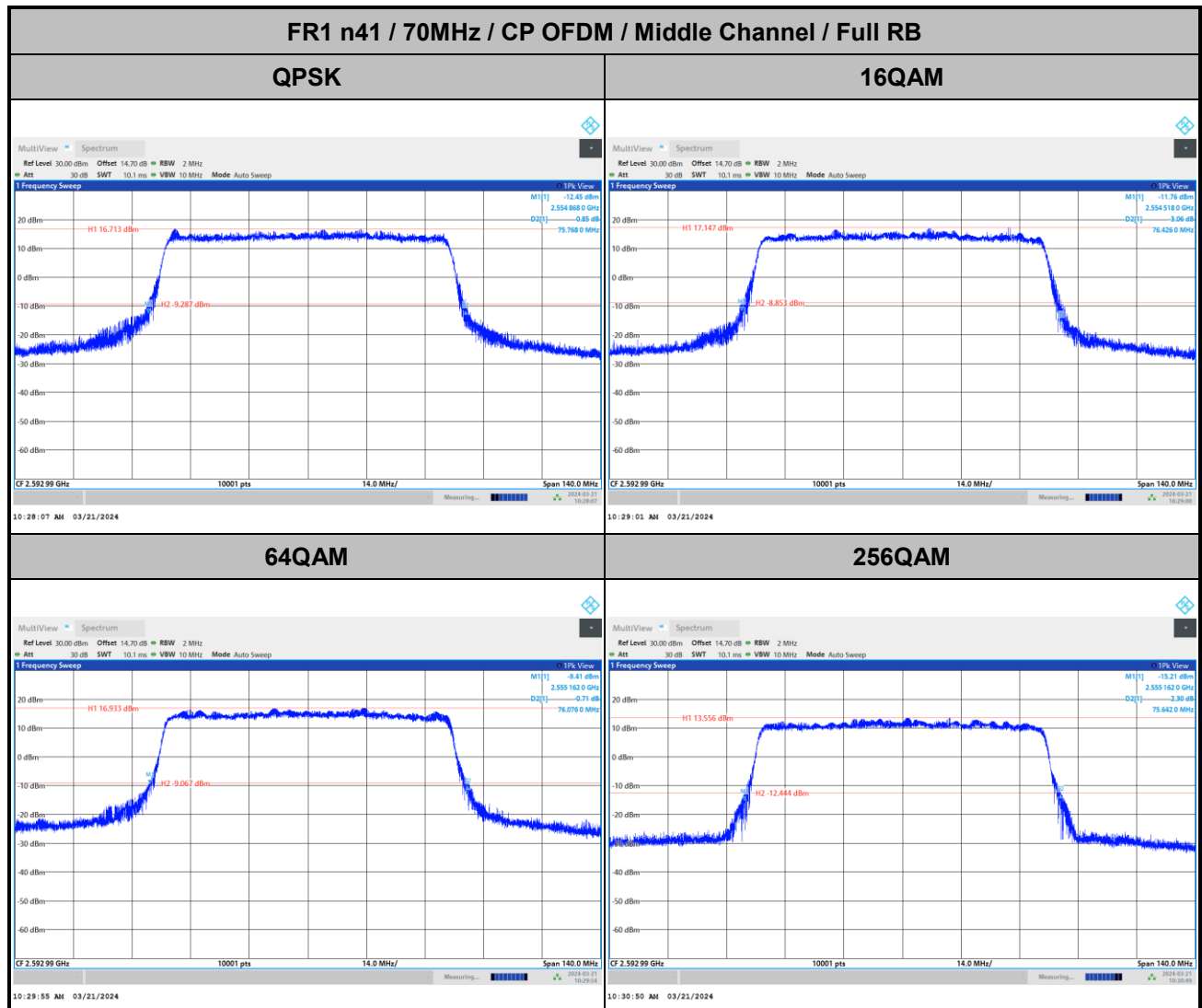


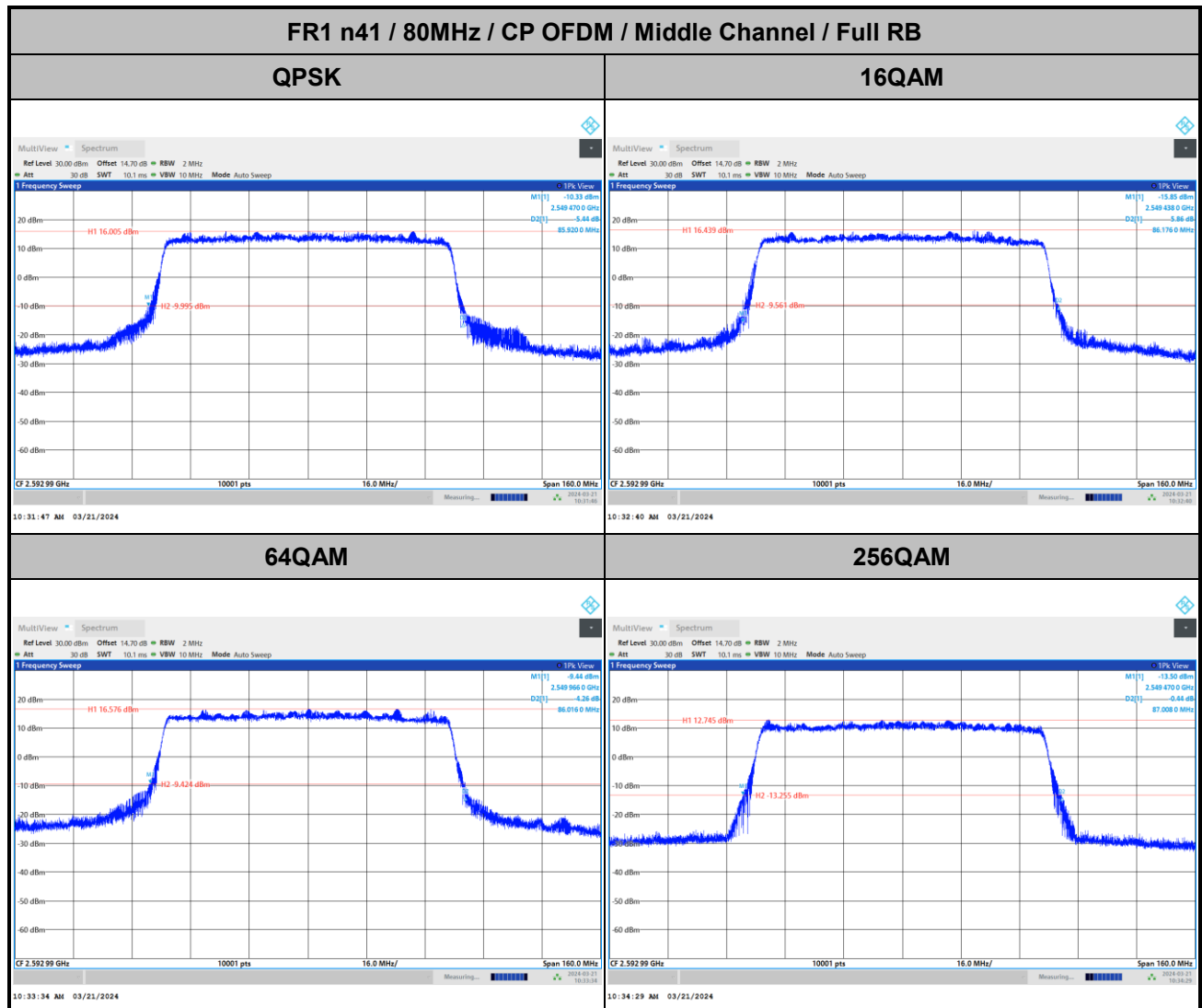
64QAM



256QAM



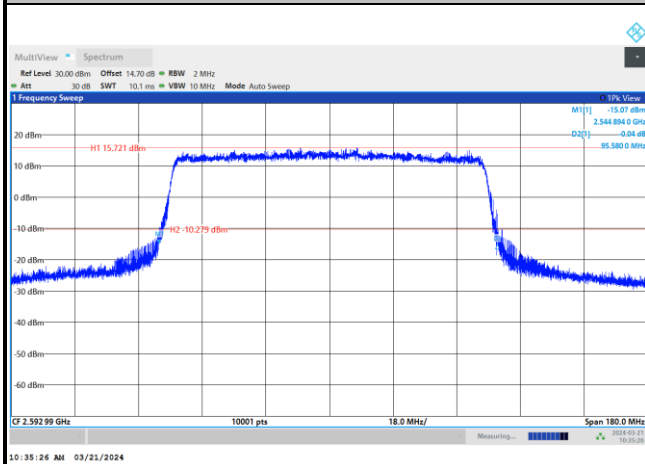




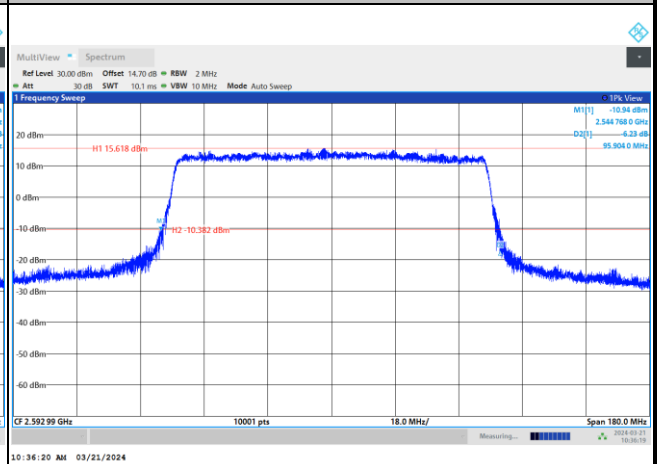


FR1 n41 / 90MHz / CP OFDM / Middle Channel / Full RB

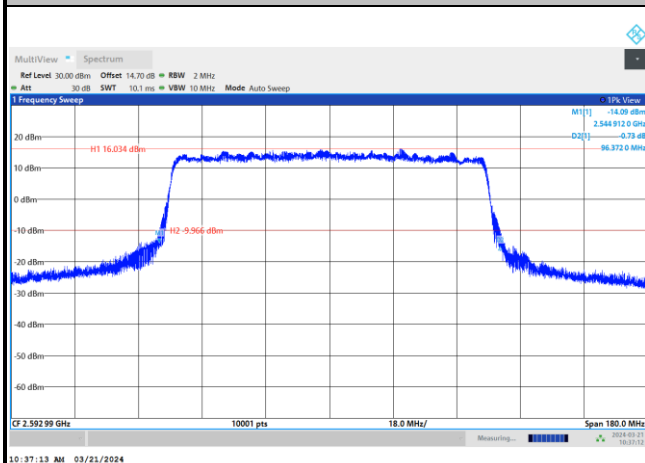
QPSK



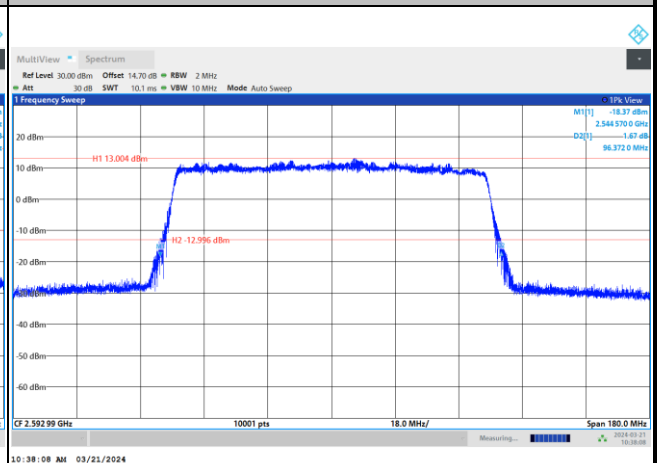
16QAM



64QAM



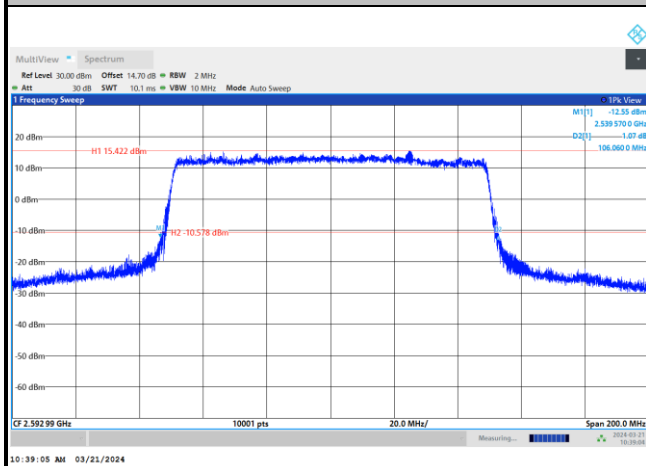
256QAM



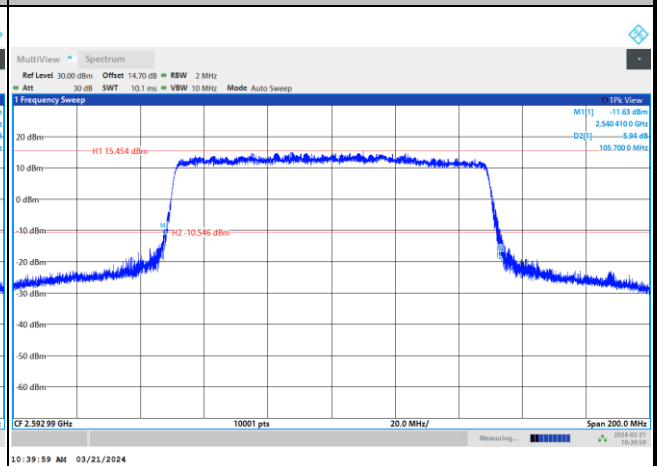


FR1 n41 / 100MHz / CP OFDM / Middle Channel / Full RB

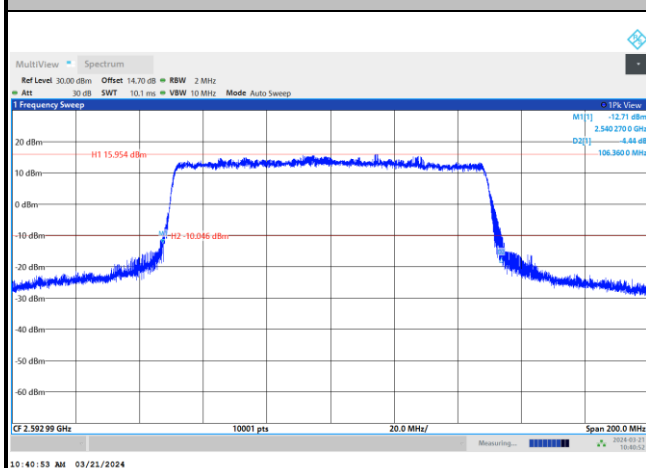
QPSK



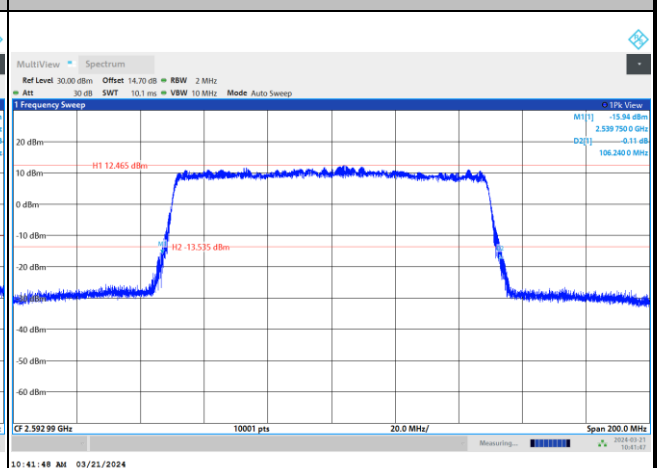
16QAM



64QAM



256QAM



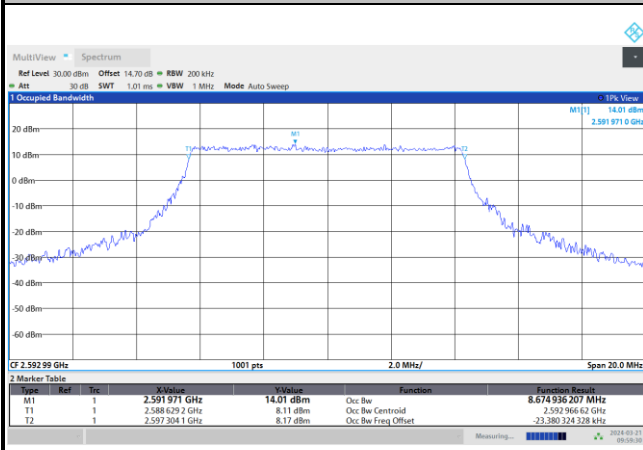
**Occupied Bandwidth**

Mode	FR1 n41 : OB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.67	8.66	13.62	13.65	18.31	18.40	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.65	8.62	13.61	13.61	18.34	18.33	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	28.23	28.17	38.10	38.21	47.54	47.64	58.29	58.43
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	28.17	28.20	38.21	38.11	47.61	47.46	58.54	58.28
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	67.80	68.03	77.79	77.73	87.54	87.60	97.70	97.35
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	68.14	67.96	77.76	77.66	87.91	87.70	97.39	97.61



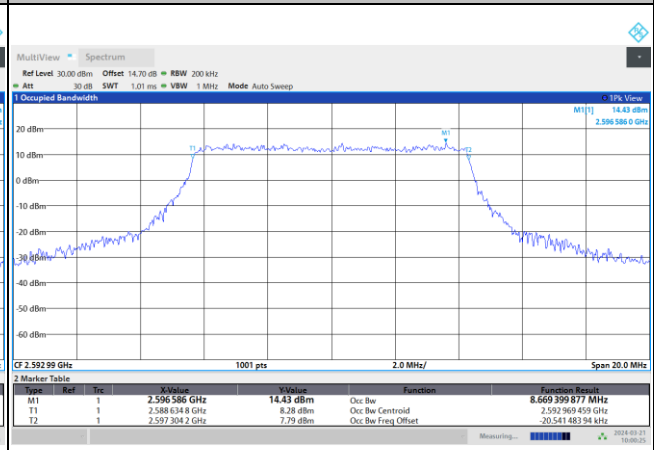
FR1 n41 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



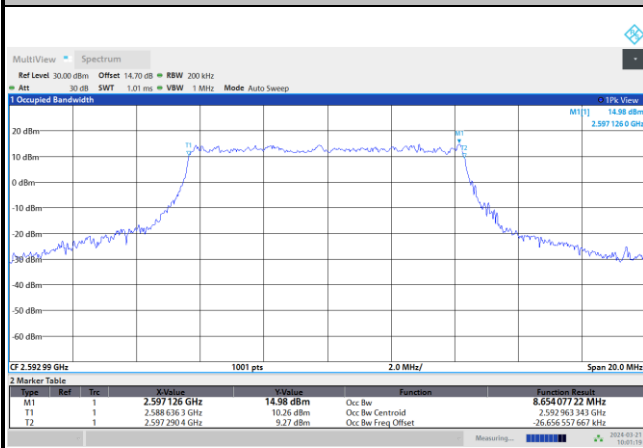
09:59:30 AM 03/21/2024

16QAM



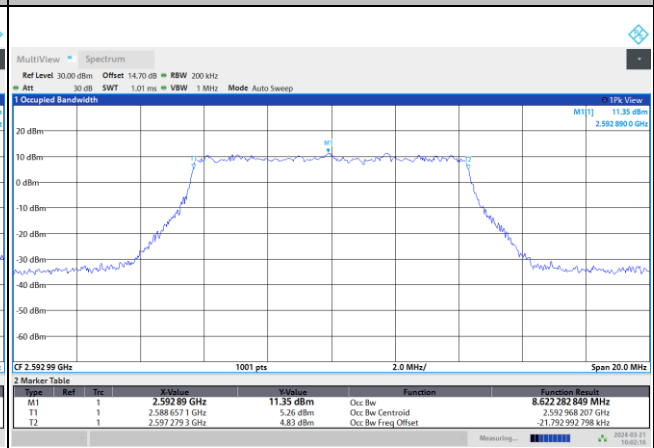
10:00:25 AM 03/21/2024

64QAM



10:01:20 AM 03/21/2024

256QAM

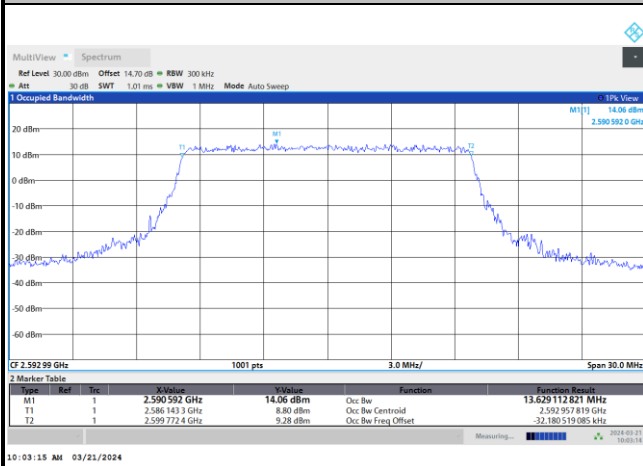


10:02:17 AM 03/21/2024



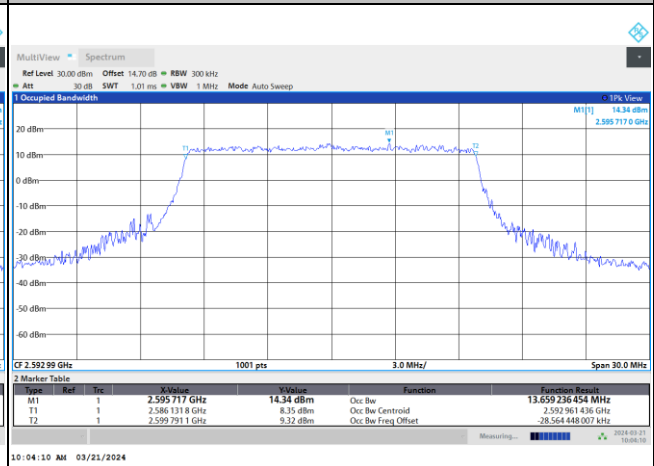
FR1 n41 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



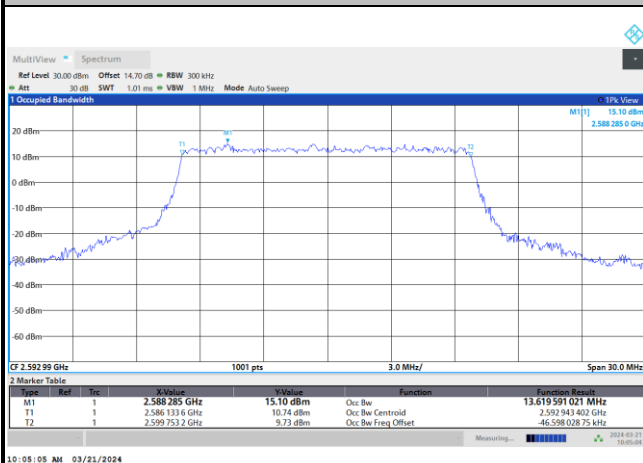
10:03:15 AM 03/21/2024

16QAM



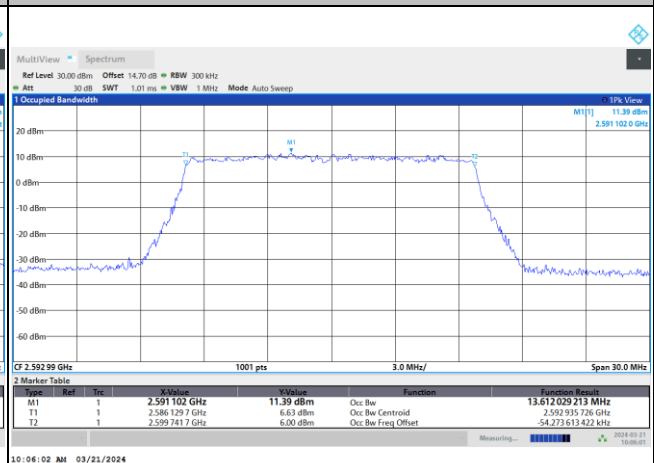
10:04:10 AM 03/21/2024

64QAM



10:05:05 AM 03/21/2024

256QAM

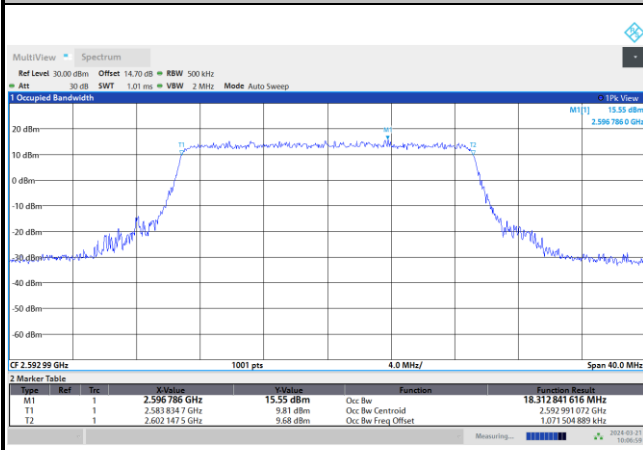


10:06:02 AM 03/21/2024



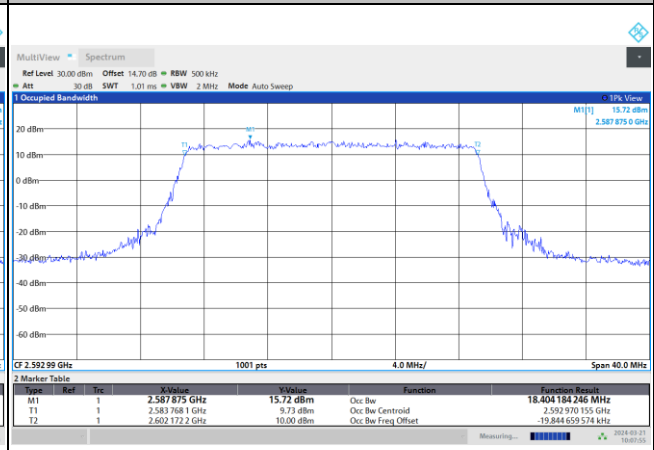
FR1 n41 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



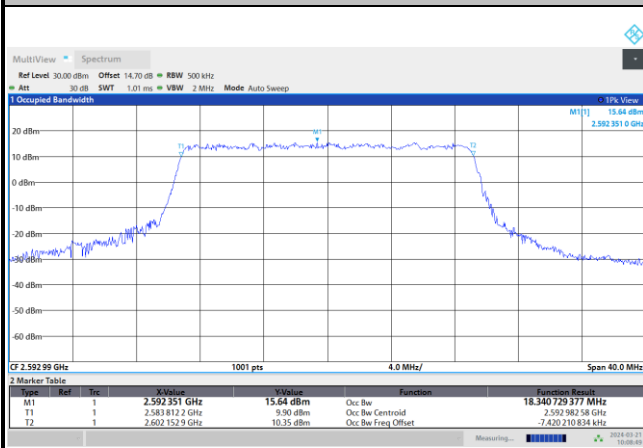
10:07:00 AM 03/21/2024

16QAM



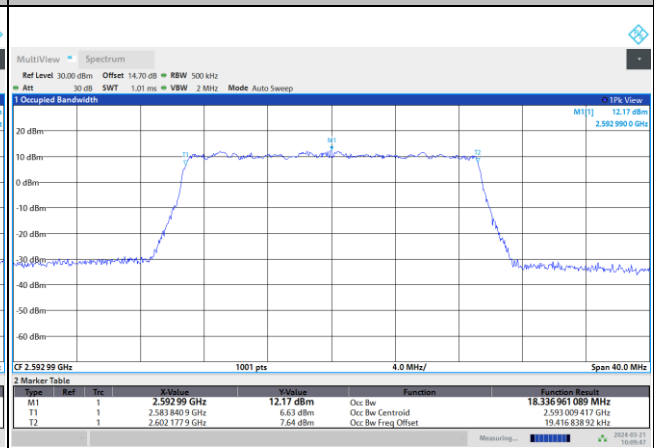
10:07:55 AM 03/21/2024

64QAM



10:08:50 AM 03/21/2024

256QAM

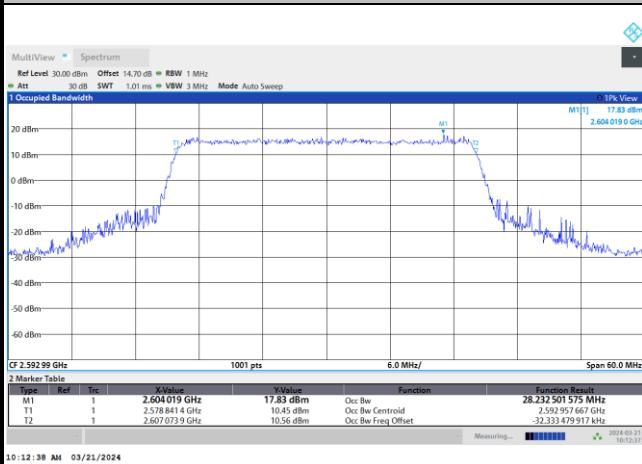


10:09:47 AM 03/21/2024



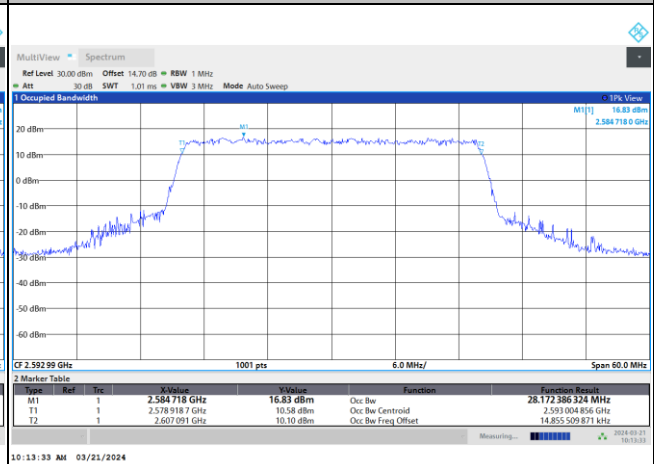
FR1 n41 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



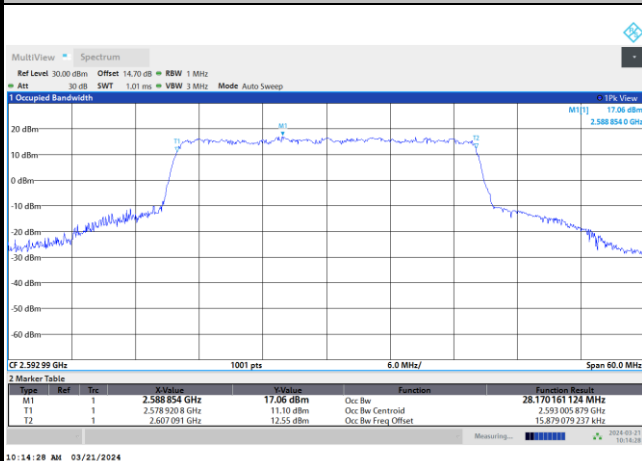
10:12:38 AM 03/21/2024

16QAM



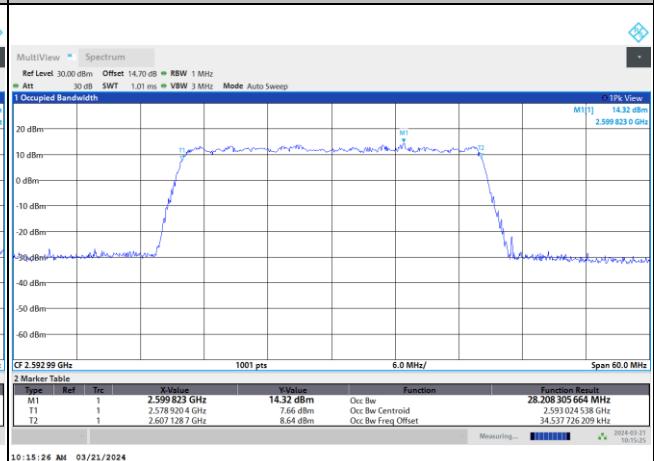
10:13:33 AM 03/21/2024

64QAM



10:14:28 AM 03/21/2024

256QAM

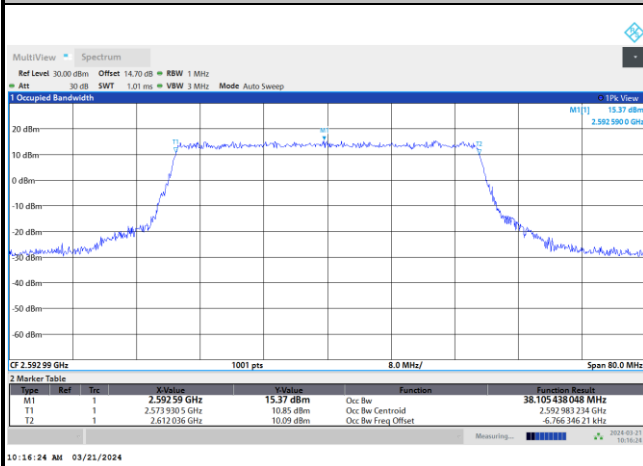


10:15:26 AM 03/21/2024



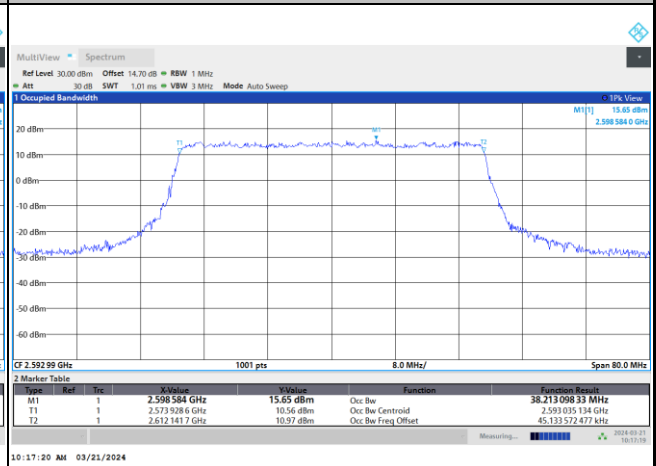
FR1 n41 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



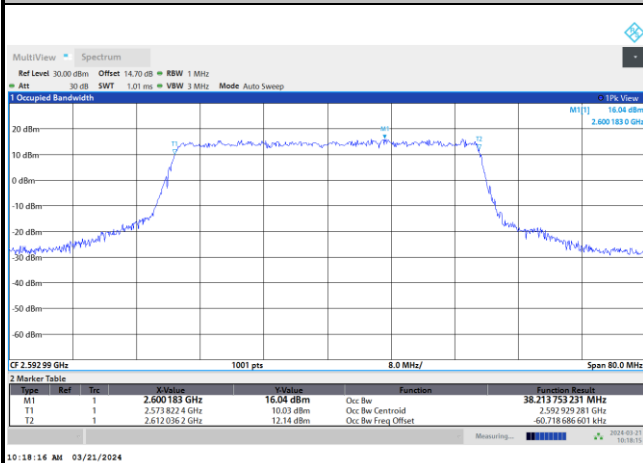
10:16:24 AM 03/21/2024

16QAM



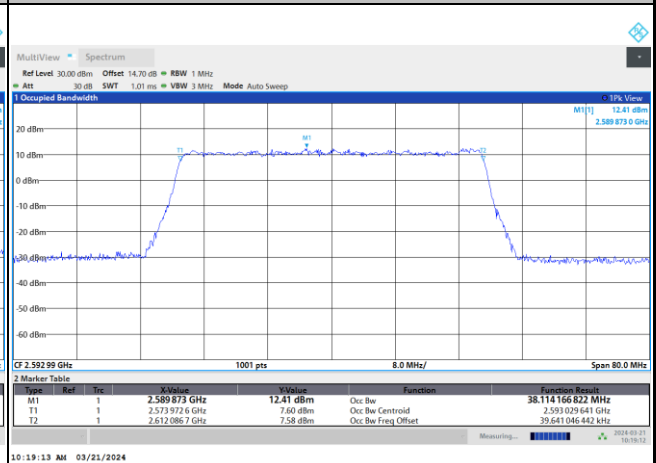
10:17:20 AM 03/21/2024

64QAM



10:18:16 AM 03/21/2024

256QAM

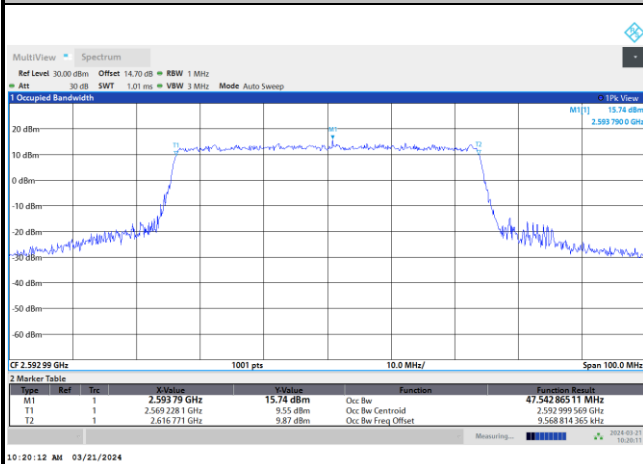


10:19:13 AM 03/21/2024



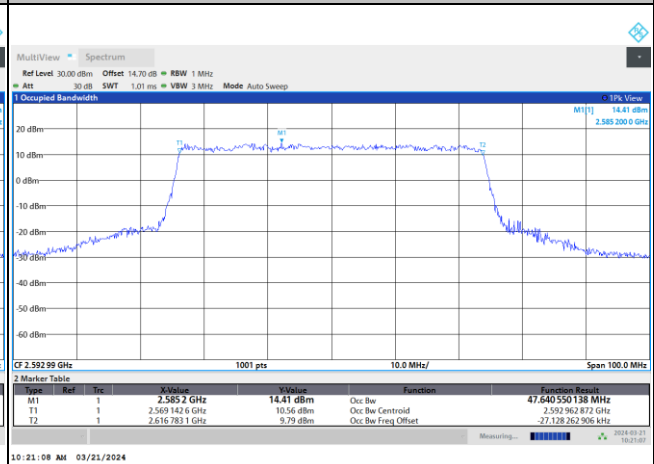
FR1 n41 / 50MHz / CP OFDM / Middle Channel / Full RB

QPSK



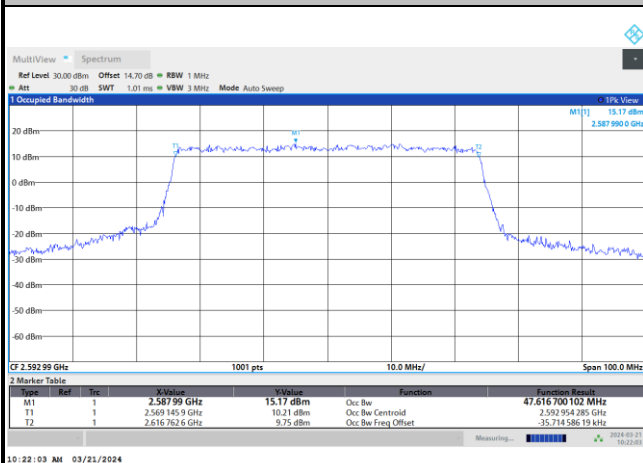
10:20:12 AM 03/21/2024

16QAM



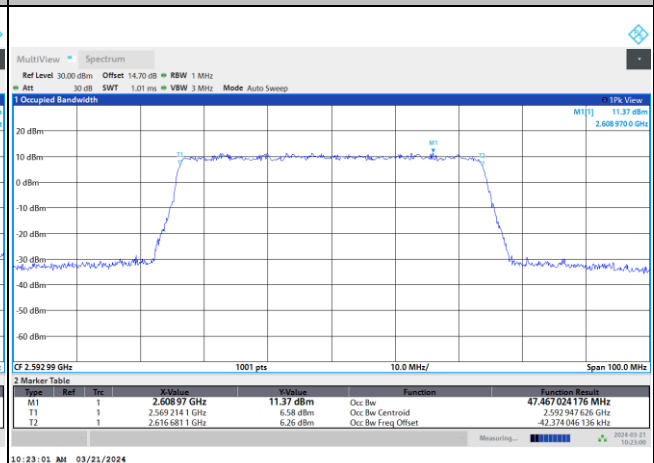
10:21:08 AM 03/21/2024

64QAM



10:22:03 AM 03/21/2024

256QAM

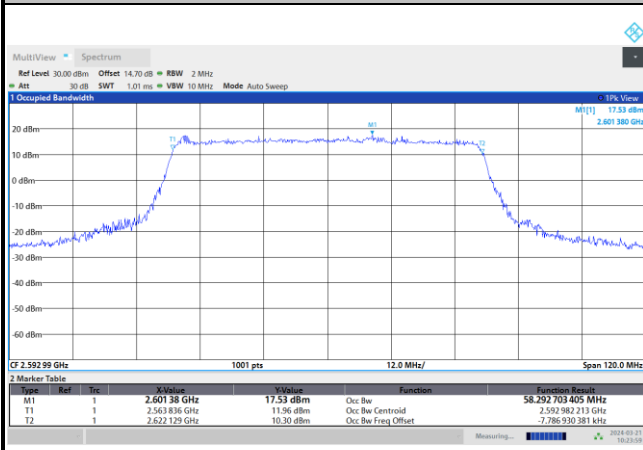


10:23:01 AM 03/21/2024



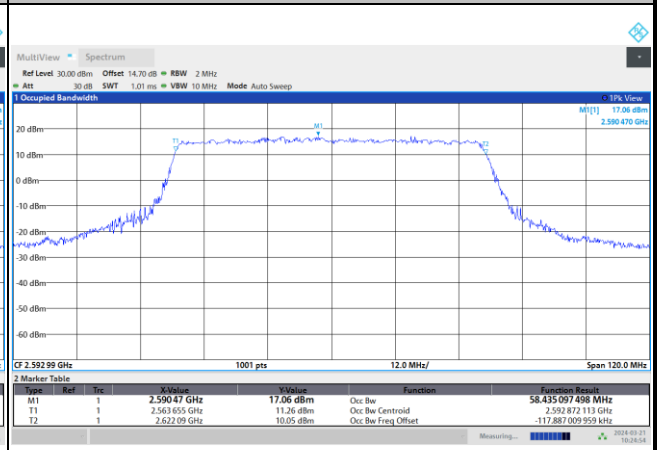
FR1 n41 / 60MHz / CP OFDM / Middle Channel / Full RB

QPSK



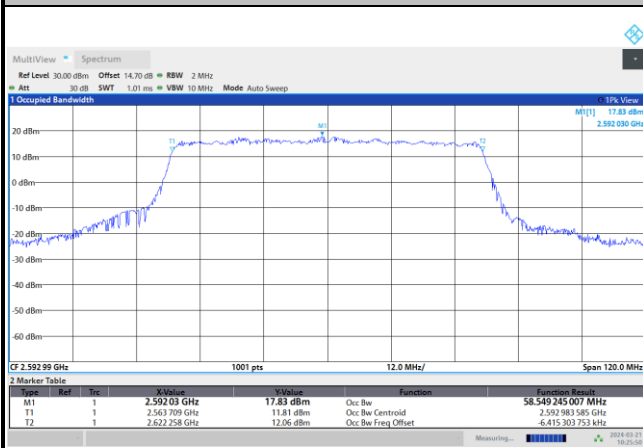
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16QAM



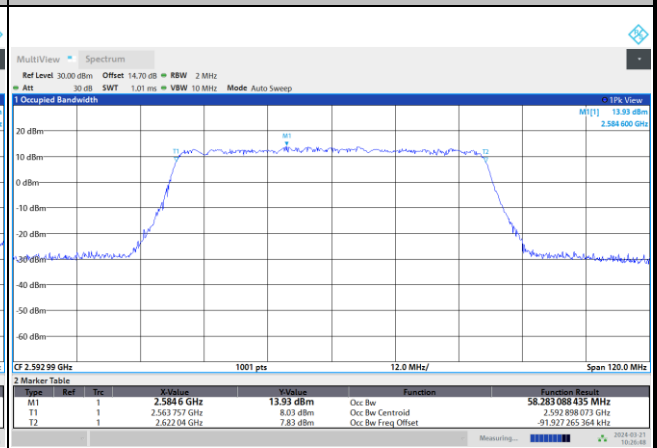
10:24:55 AM 03/21/2024

64QAM



10:25:51 AM 03/21/2024

256QAM

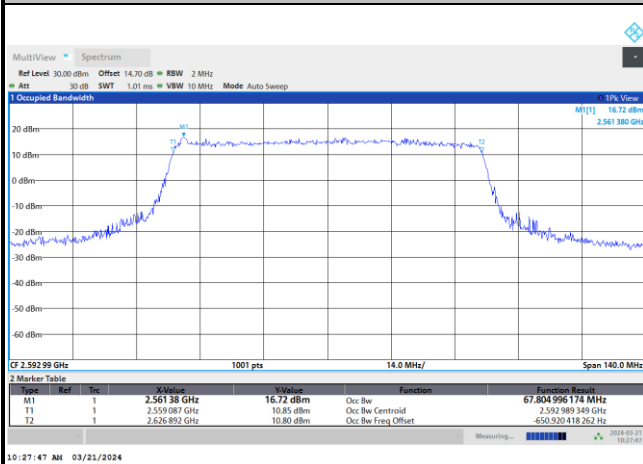


10:26:48 AM 03/21/2024



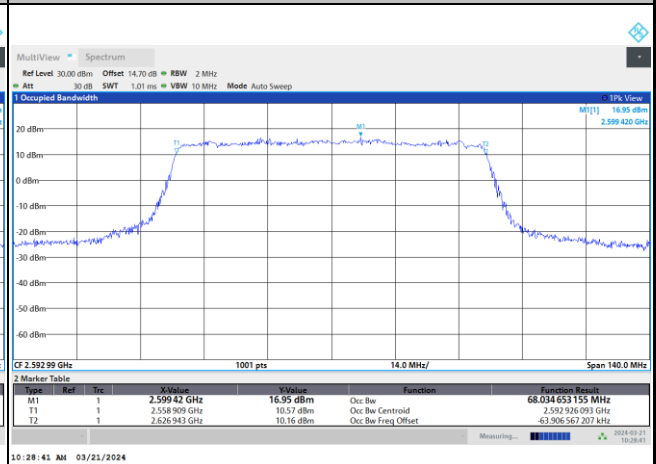
FR1 n41 / 70MHz / CP OFDM / Middle Channel / Full RB

QPSK



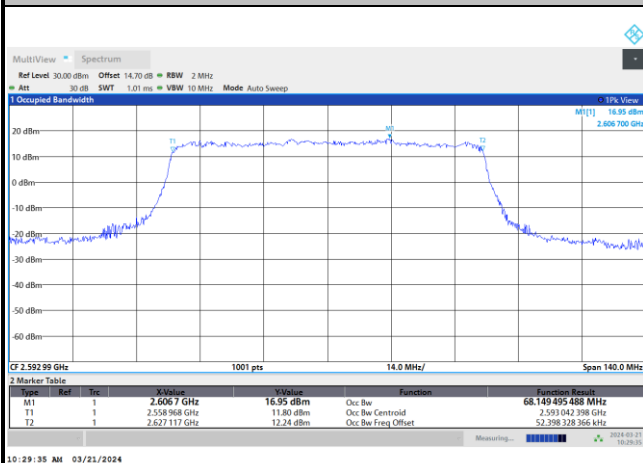
10:27:47 AM 03/21/2024

16QAM



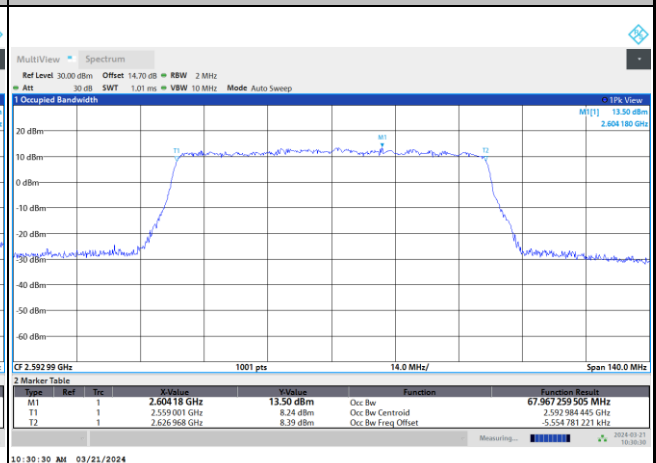
10:28:41 AM 03/21/2024

64QAM



10:29:35 AM 03/21/2024

256QAM

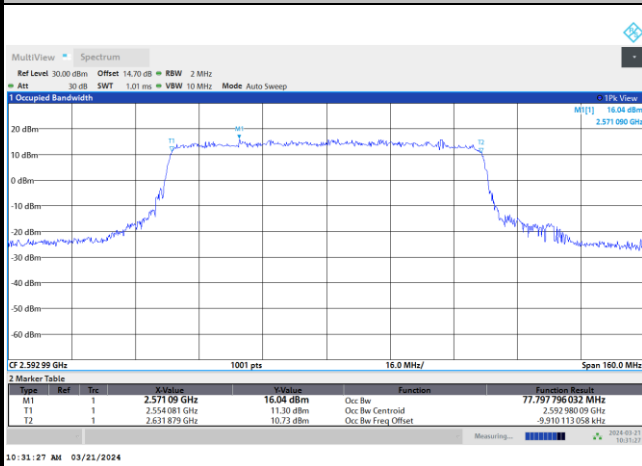


10:30:30 AM 03/21/2024

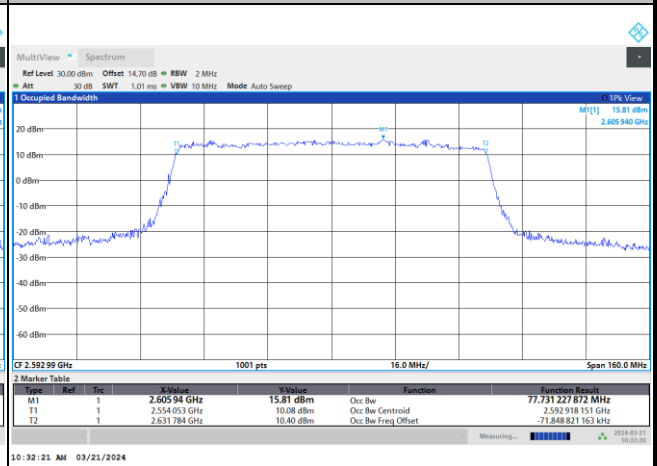


FR1 n41 / 80MHz / CP OFDM / Middle Channel / Full RB

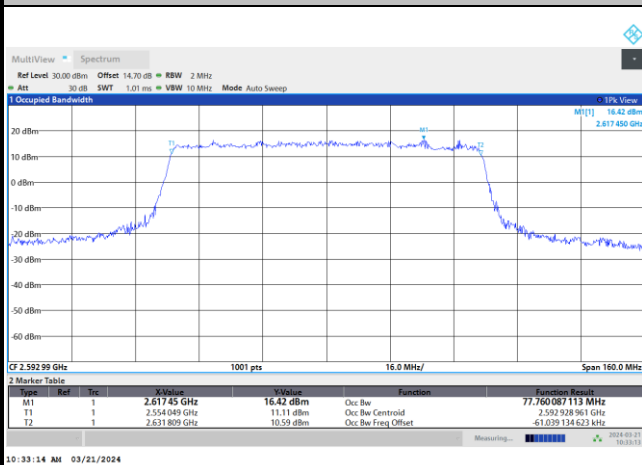
QPSK



16QAM



64QAM



256QAM

