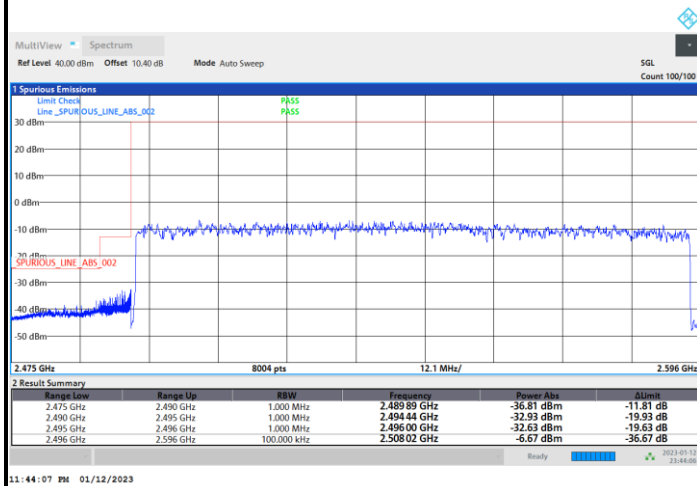


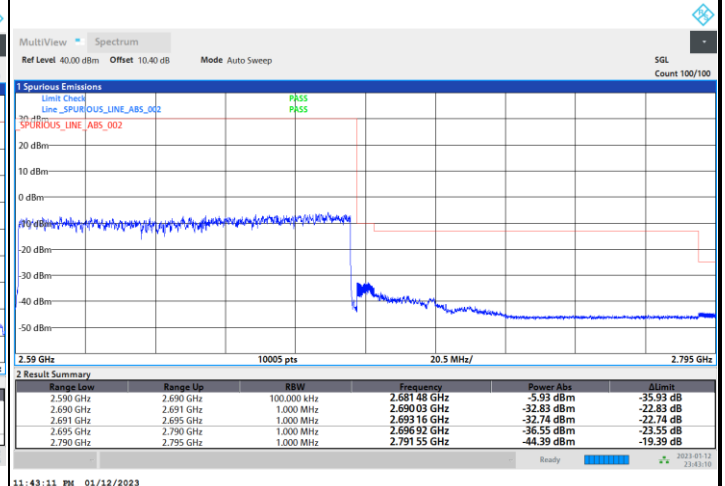


FR1 n41 / 100MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

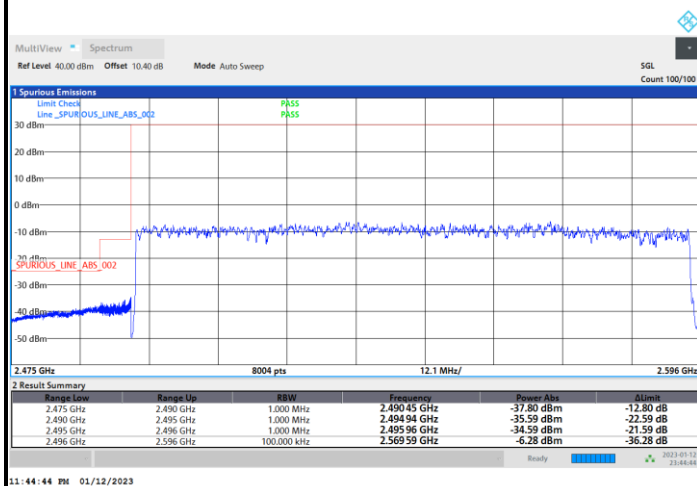


Highest Band Edge / Full RB

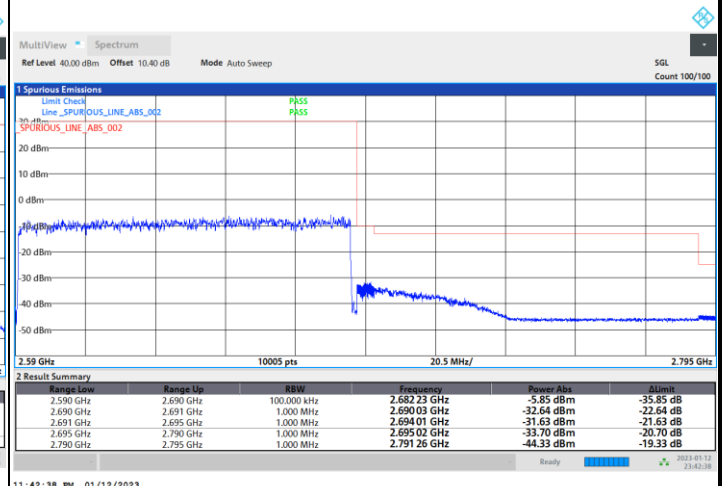


FR1 n41 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



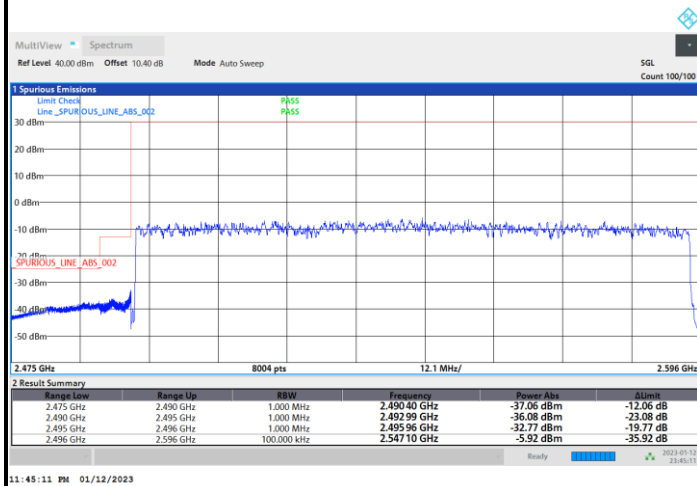
Highest Band Edge / Full RB



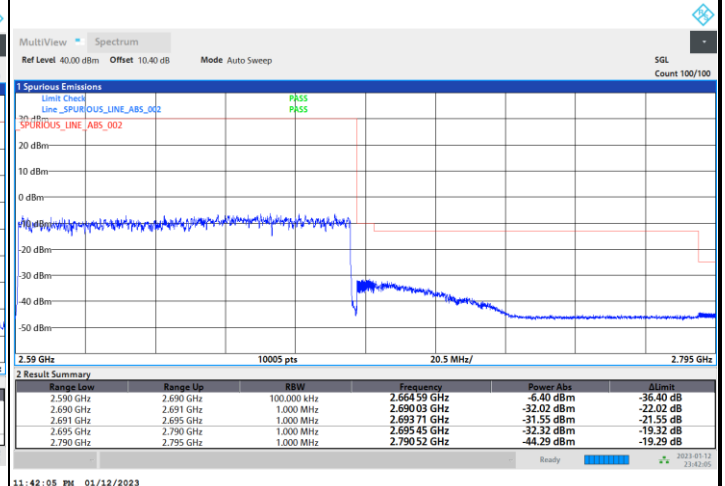


FR1 n41 / 100MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

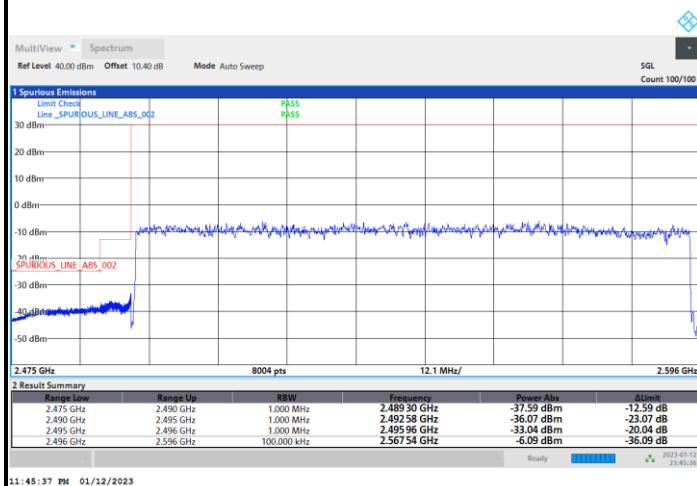


Highest Band Edge / Full RB

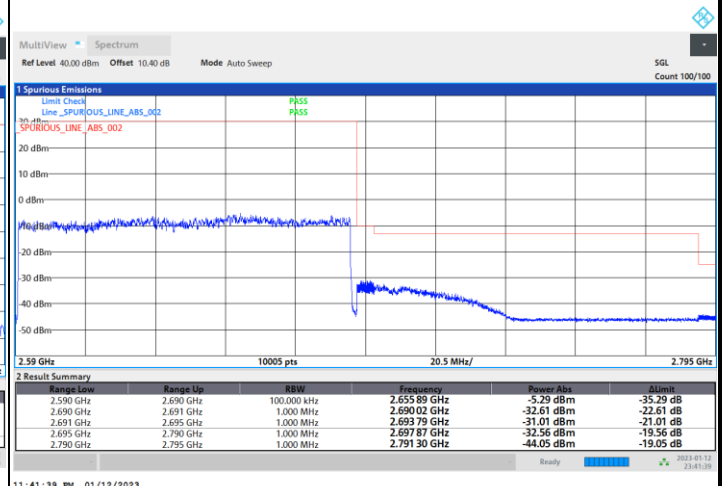


FR1 n41 / 100MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB



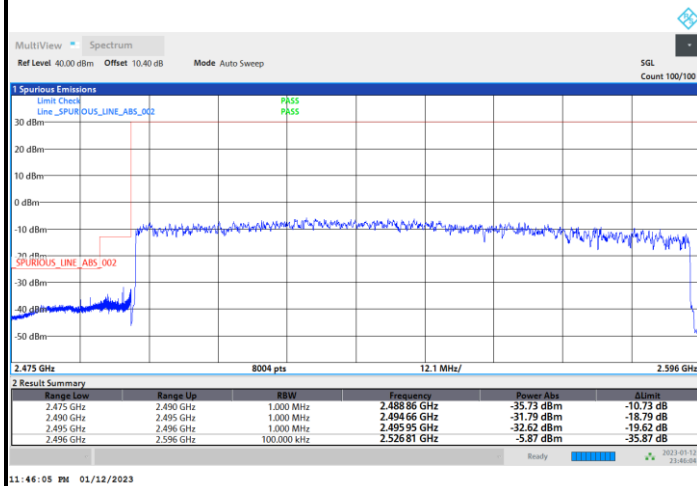
Highest Band Edge / Full RB



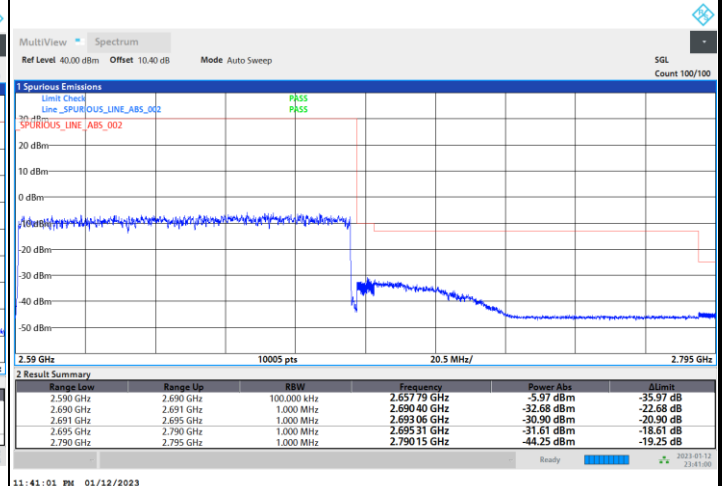


FR1 n41 / 100MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / Full RB

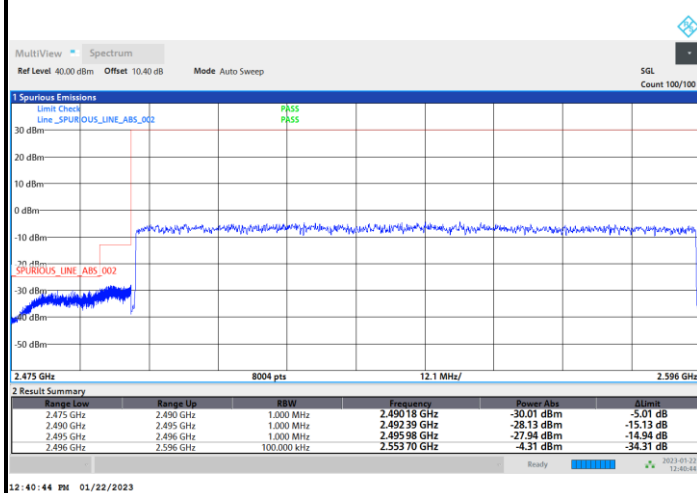


Highest Band Edge / Full RB

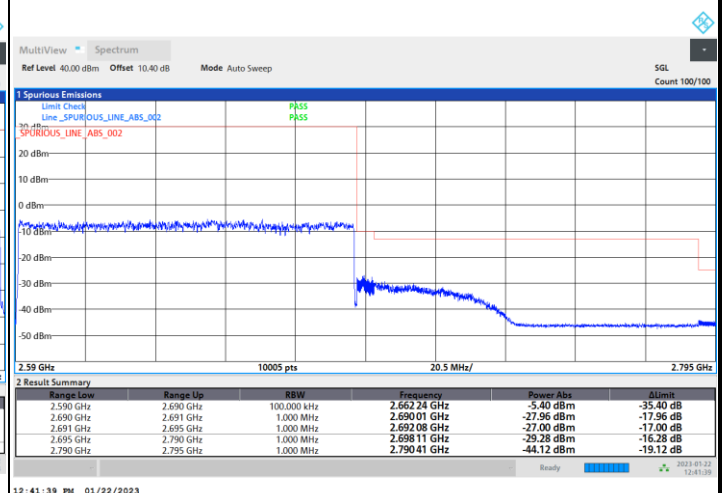


FR1 n41 / 100MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge

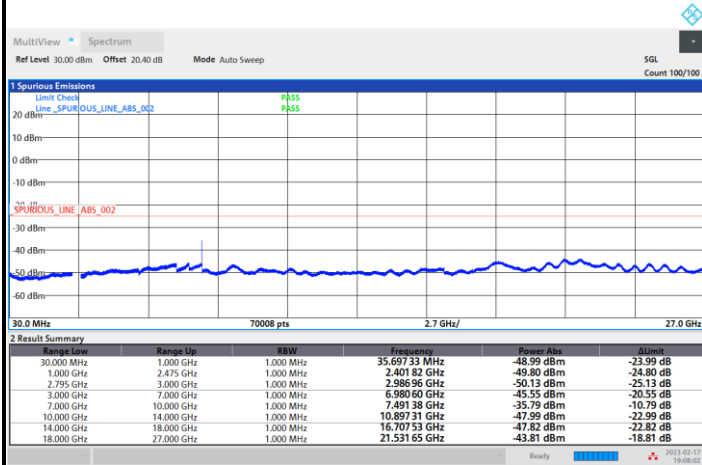




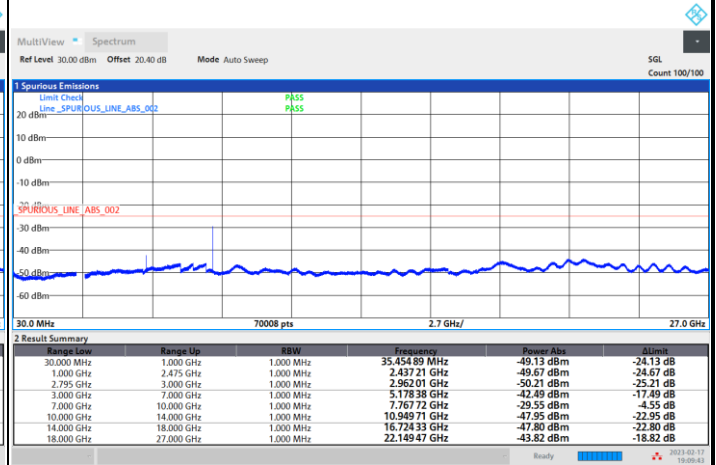
Conducted Spurious Emission

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

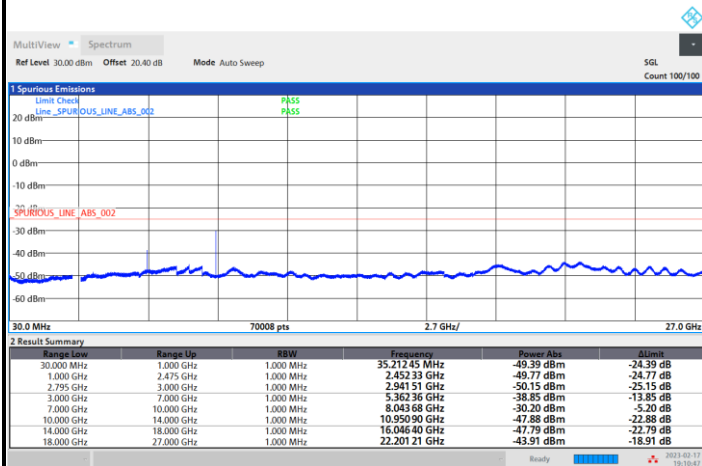
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n41 (PI/2 BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0029	
30	Normal Voltage	0.0030	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0058	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0027	

Note:

1. Normal Voltage = 4.2 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

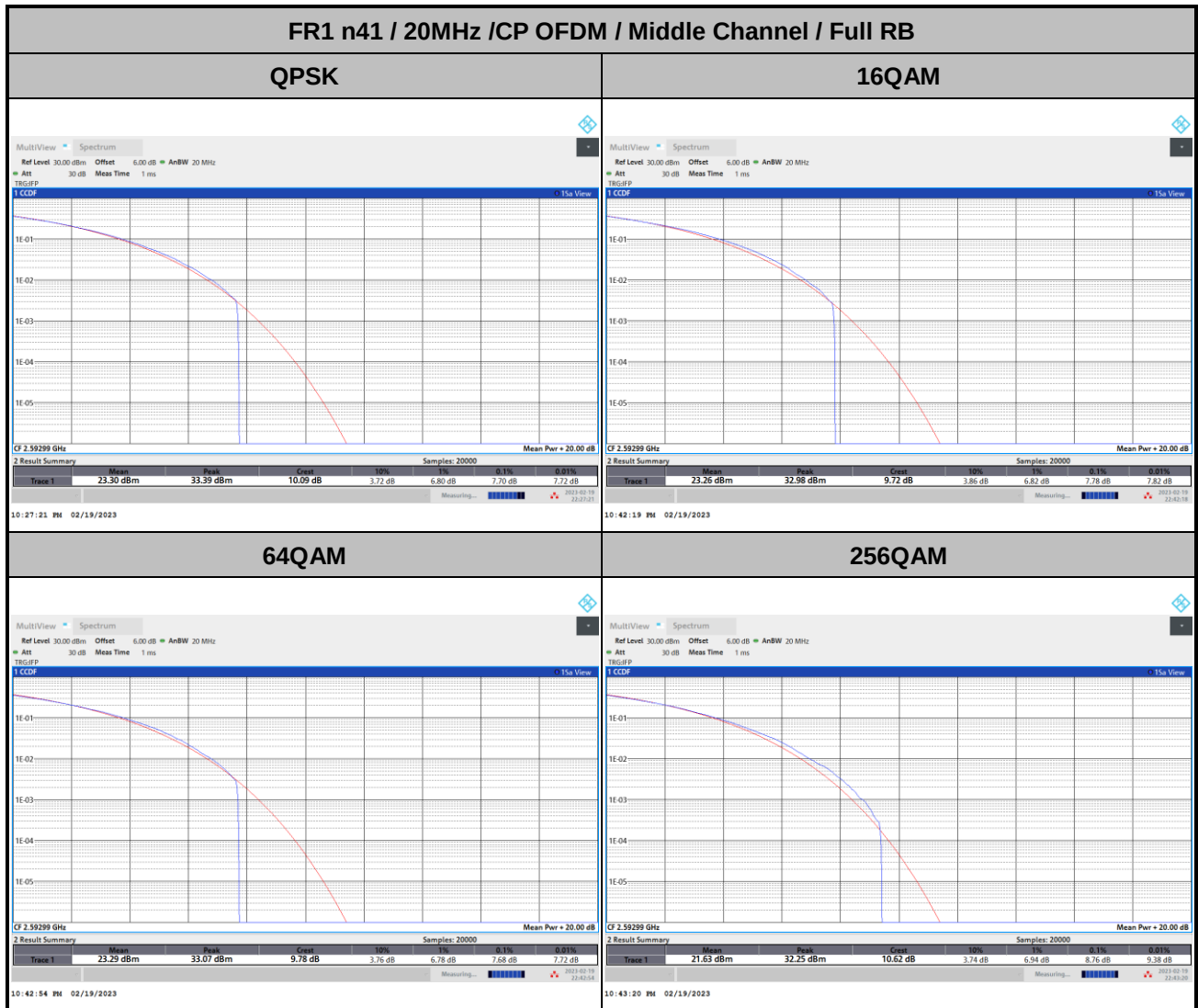


<MIMO Mode>

MIMO <OAI 4 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	7.70	7.78	7.68	8.76	PASS



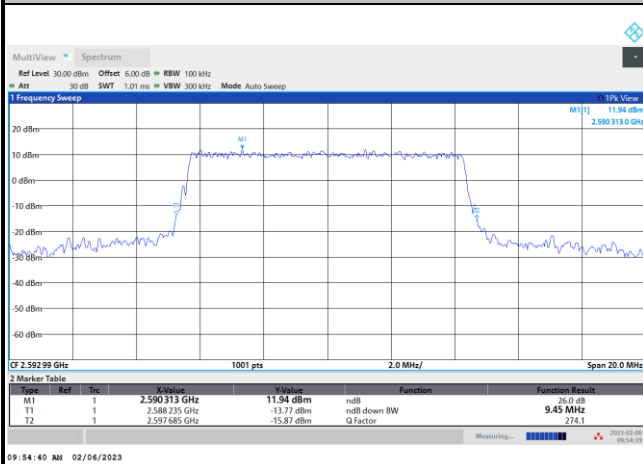
**26dB Bandwidth**

Mode	FR1 n41 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	9.45	9.23	14.60	14.69	19.06	19.42	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	9.33	9.25	14.66	14.75	19.22	19.10	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	29.13	29.07	40.20	40.28	50.15	50.15	60.30	60.54
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	28.95	29.13	40.20	40.36	50.25	50.35	60.54	60.42
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	70.49	70.35	80.40	80.40	90.45	90.63	100.70	100.30
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	70.21	70.63	80.56	80.40	90.63	90.27	100.50	100.70

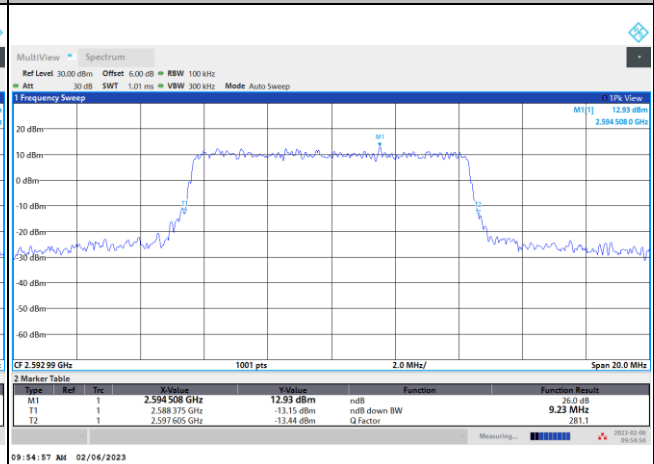


FR1 n41 / 10MHz / CP OFDM / Middle Channel / Full RB

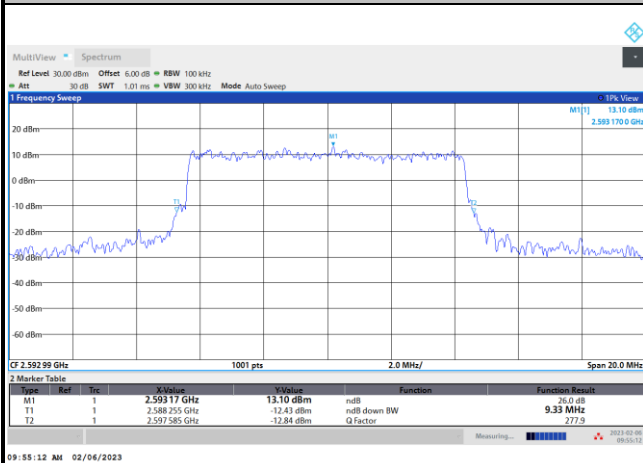
QPSK



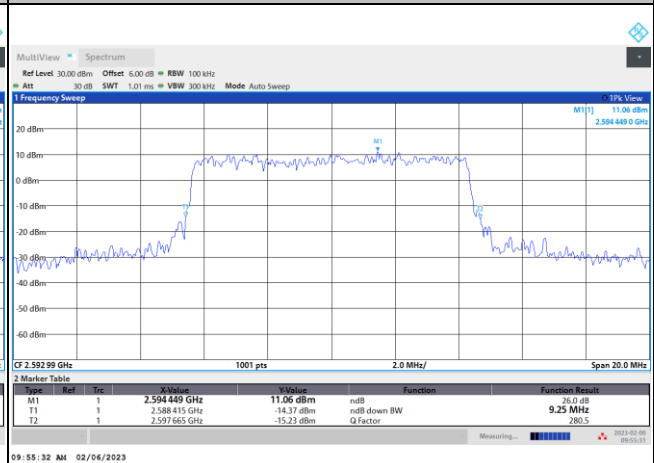
16QAM



64QAM



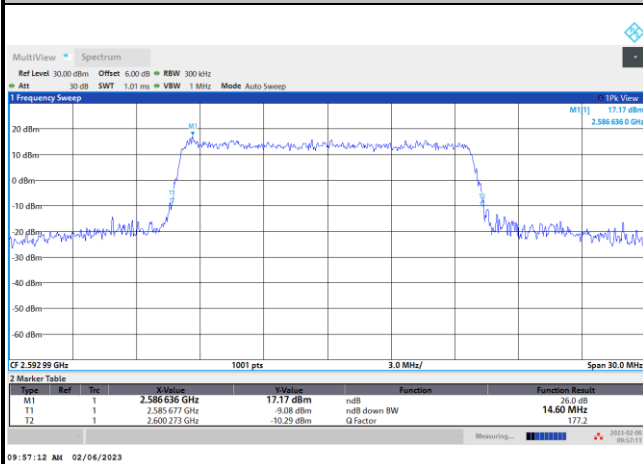
256QAM





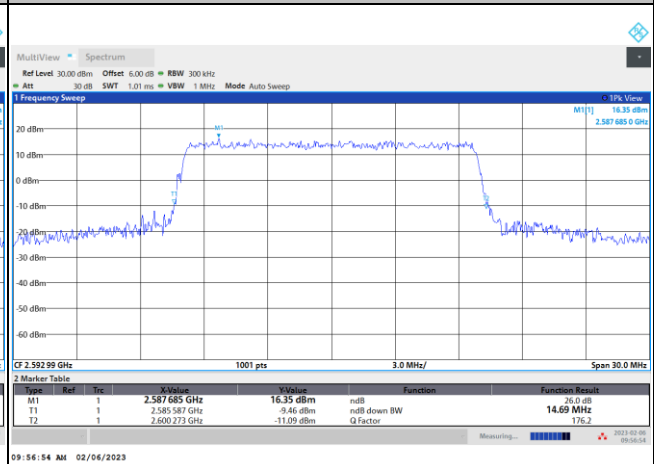
FR1 n41 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



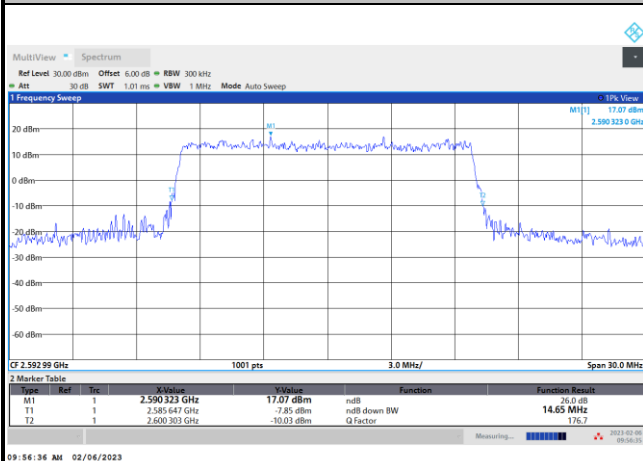
09:57:12 AM 02/06/2023

16QAM



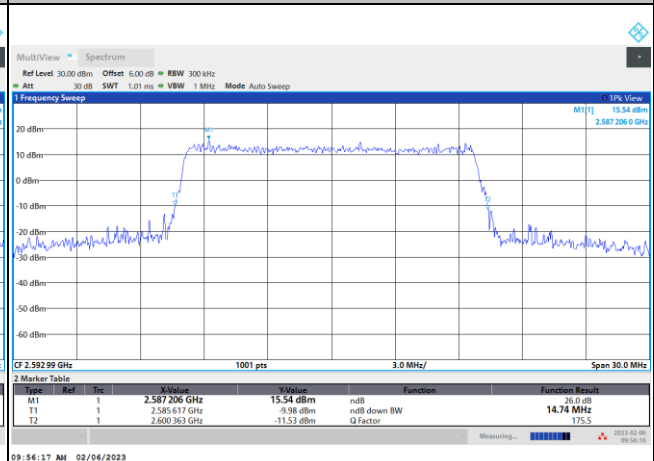
09:56:54 AM 02/06/2023

64QAM



09:56:36 AM 02/06/2023

256QAM

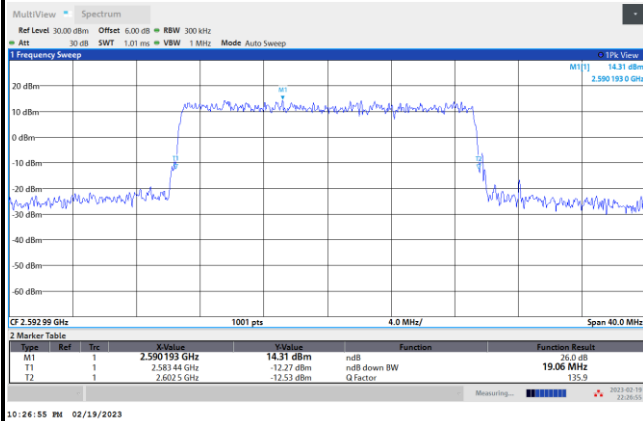


09:56:17 AM 02/06/2023



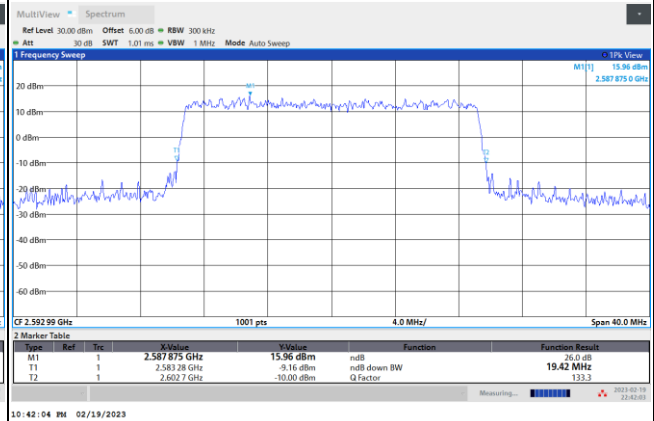
FR1 n41 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



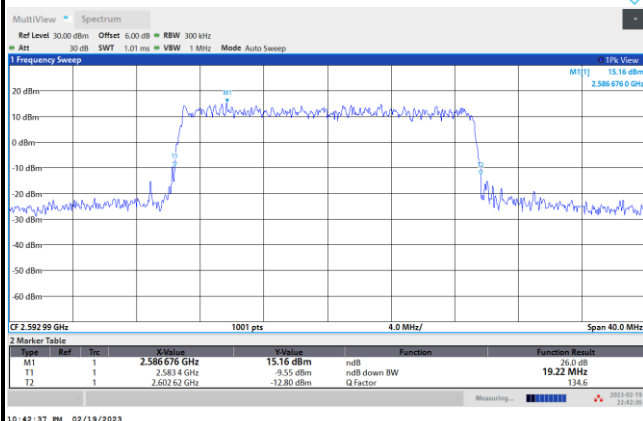
10:26:55 PM 02/19/2023

16QAM



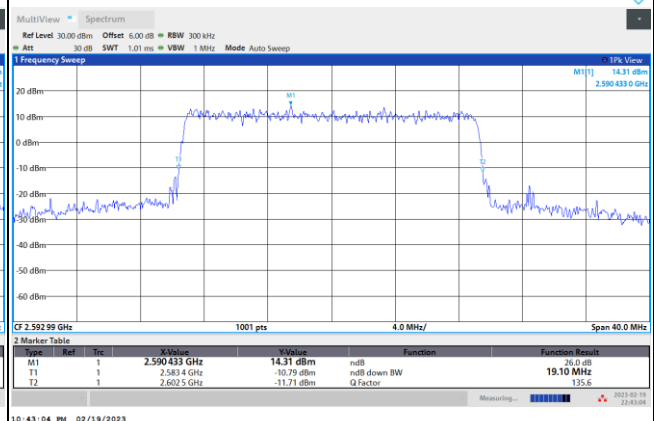
10:42:04 PM 02/19/2023

64QAM



10:42:37 PM 02/19/2023

256QAM

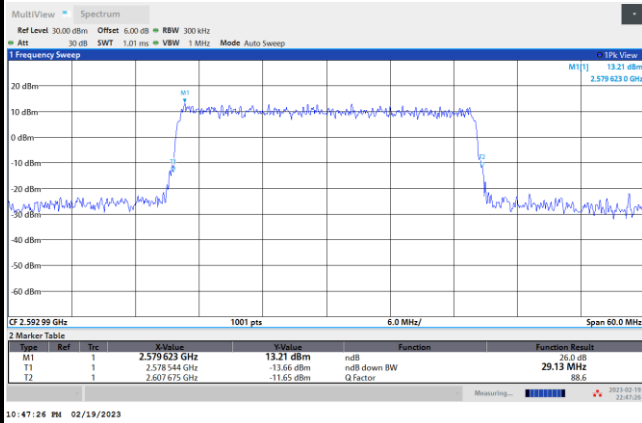


10:43:04 PM 02/19/2023



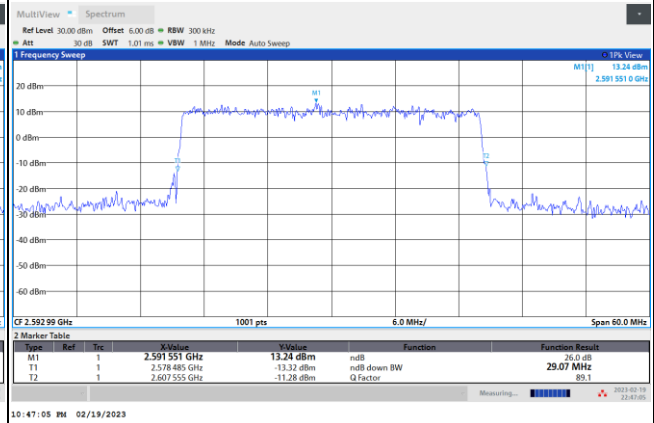
FR1 n41 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



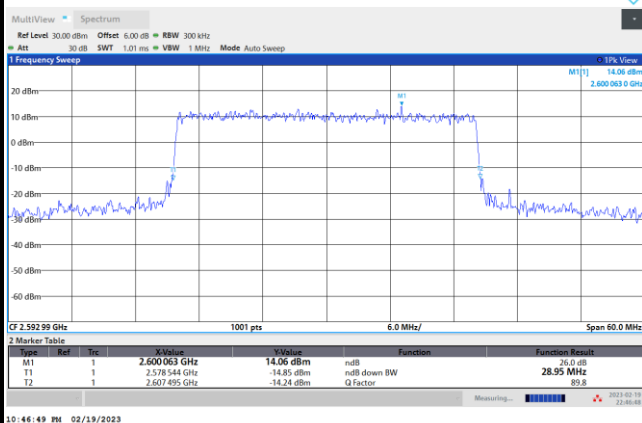
10:47:26 PM 02/19/2023

16QAM



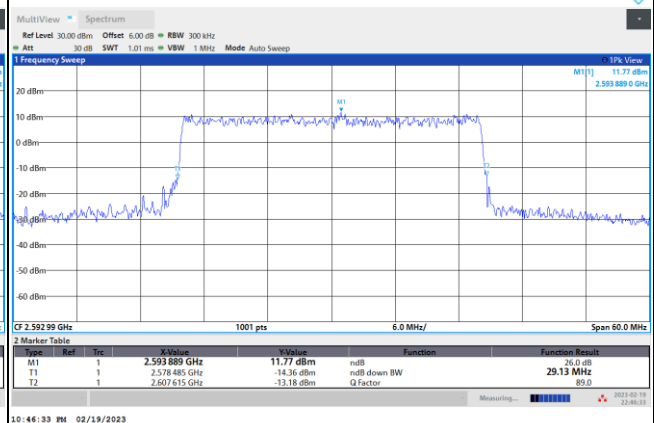
10:47:05 PM 02/19/2023

64QAM



10:46:49 PM 02/19/2023

256QAM

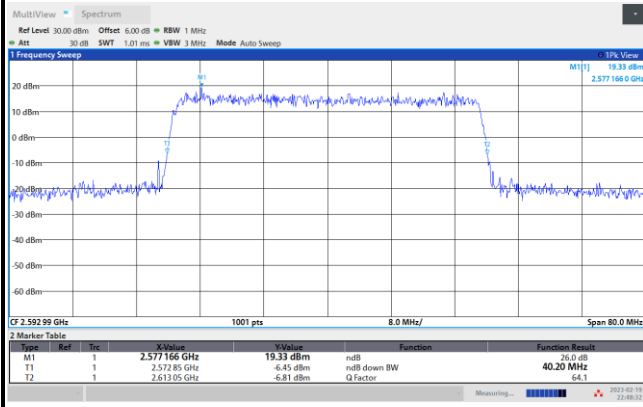


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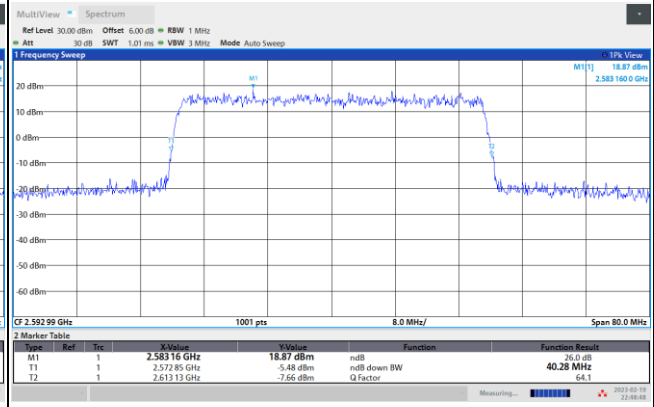
FR1 n41 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



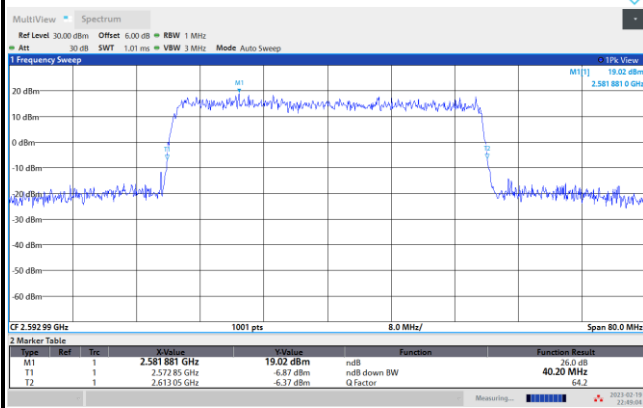
10:48:32 PM 02/19/2023

16QAM



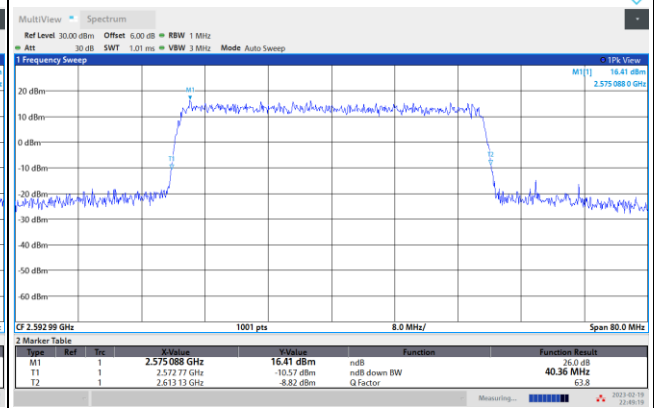
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64QAM



10:49:04 PM 02/19/2023

256QAM

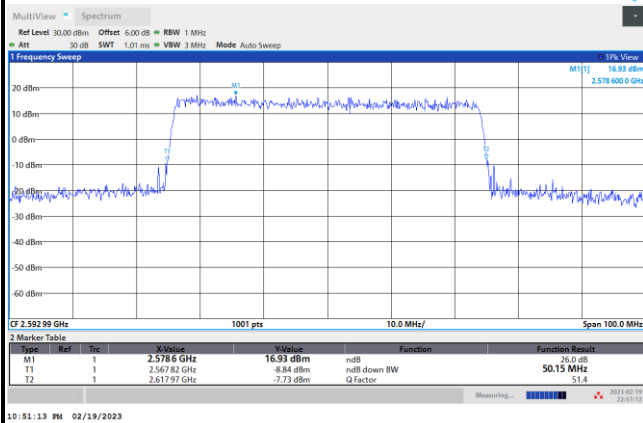


10:49:19 PM 02/19/2023



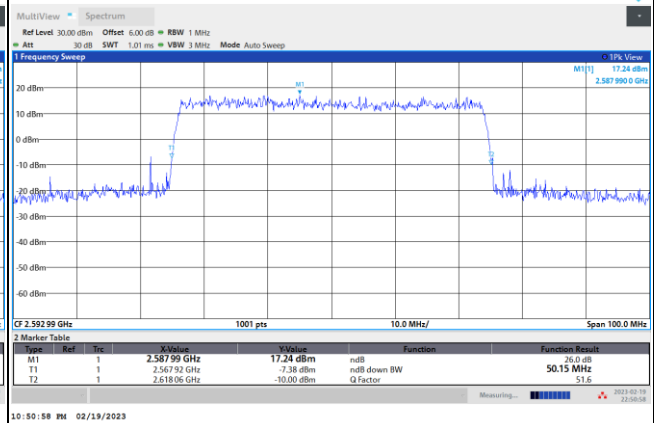
FR1 n41 / 50MHz / CP OFDM / Middle Channel / Full RB

QPSK



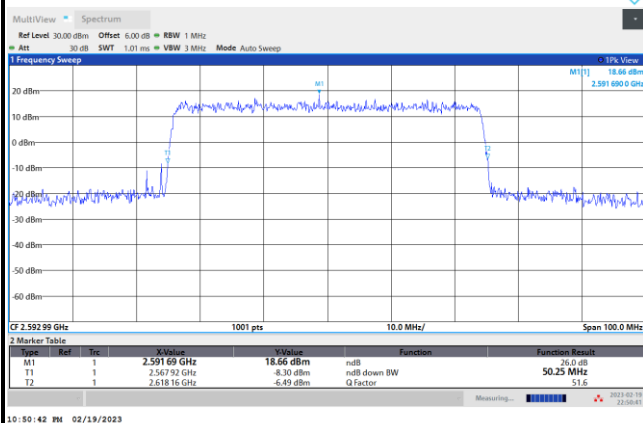
10:51:13 PM 02/19/2023

16QAM



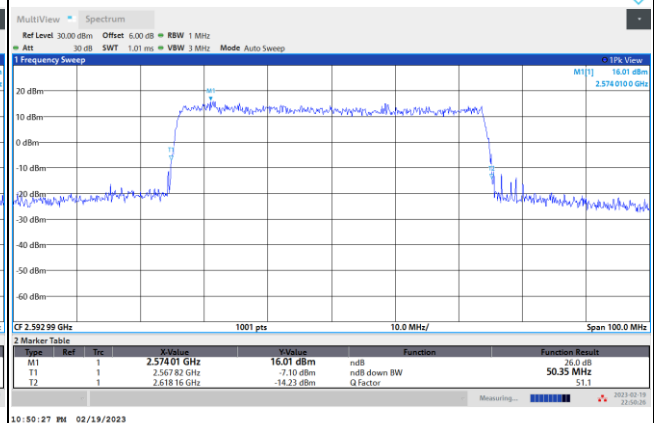
10:50:58 PM 02/19/2023

64QAM



10:50:42 PM 02/19/2023

256QAM

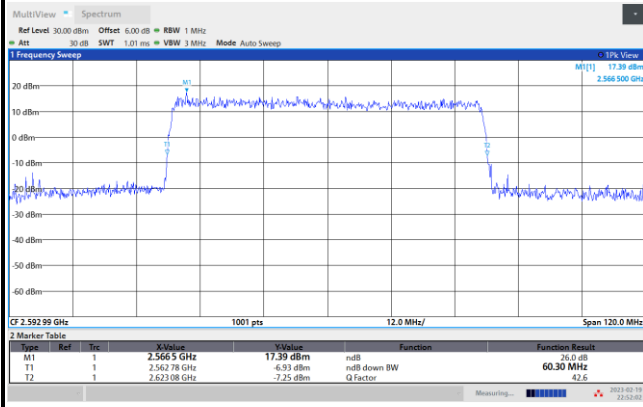


10:50:27 PM 02/19/2023



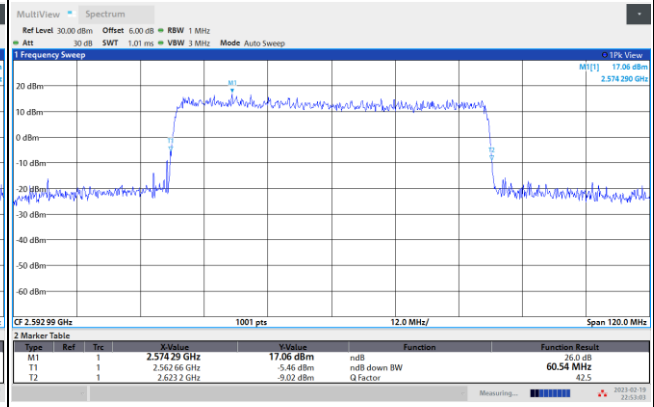
FR1 n41 / 60MHz / CP OFDM / Middle Channel / Full RB

QPSK



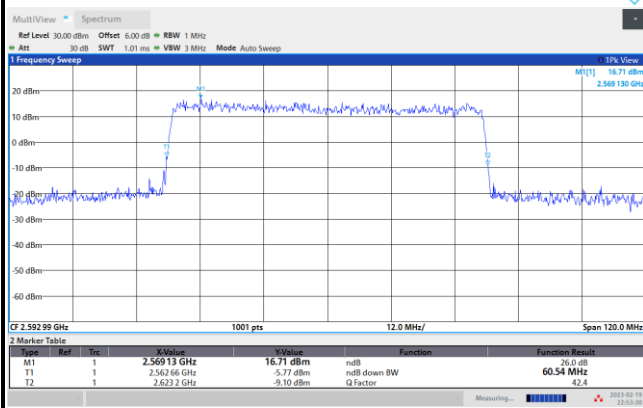
10:52:02 PM 02/19/2023

16QAM



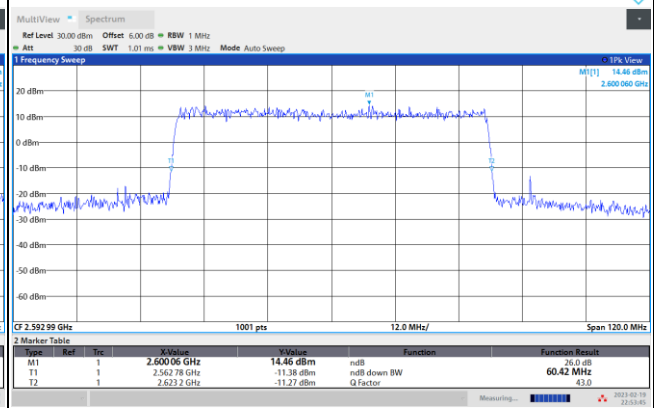
10:53:03 PM 02/19/2023

64QAM



10:53:31 PM 02/19/2023

256QAM

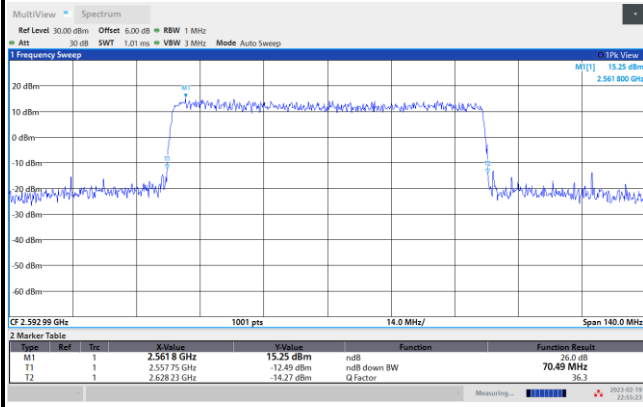


10:53:46 PM 02/19/2023



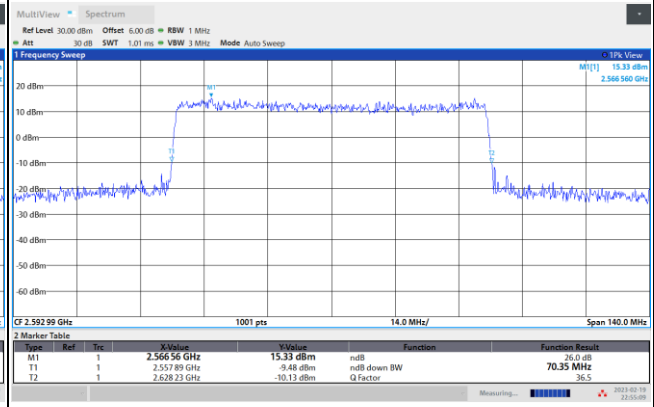
FR1 n41 / 70MHz / CP OFDM / Middle Channel / Full RB

QPSK



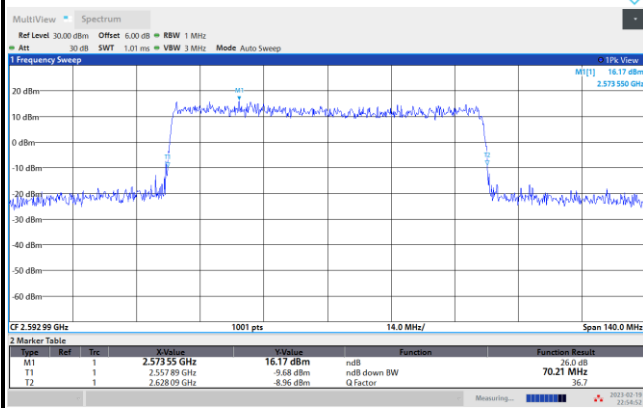
10:55:23 PM 02/19/2023

16QAM



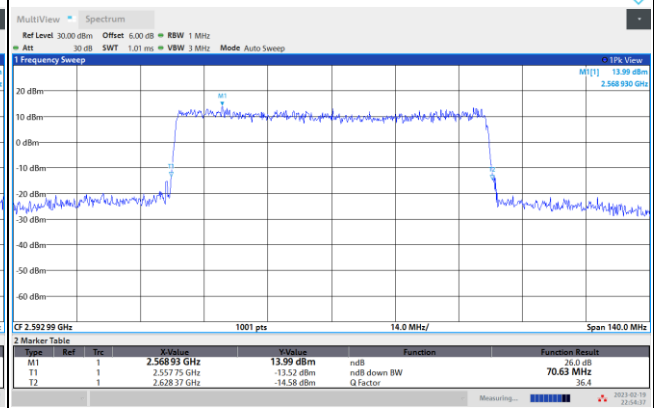
10:55:09 PM 02/19/2023

64QAM



10:54:53 PM 02/19/2023

256QAM

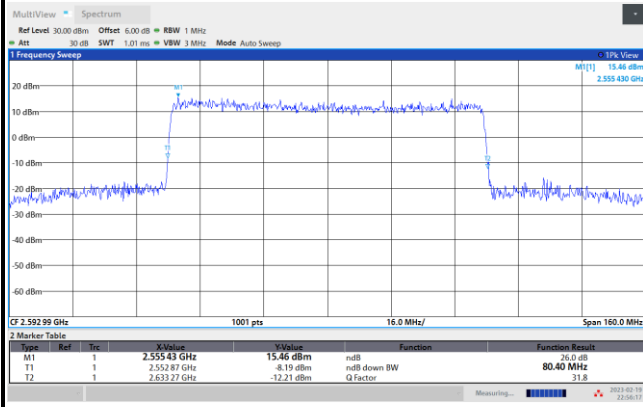


10:54:37 PM 02/19/2023



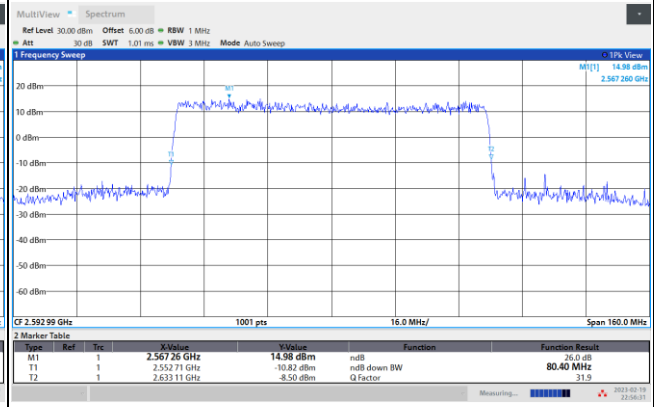
FR1 n41 / 80MHz / CP OFDM / Middle Channel / Full RB

QPSK



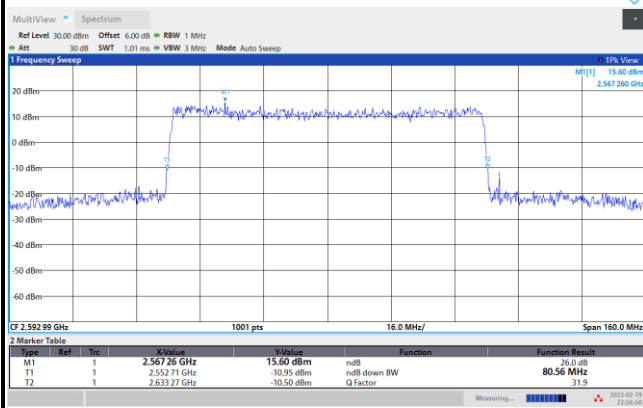
10:56:18 PM 02/19/2023

16QAM



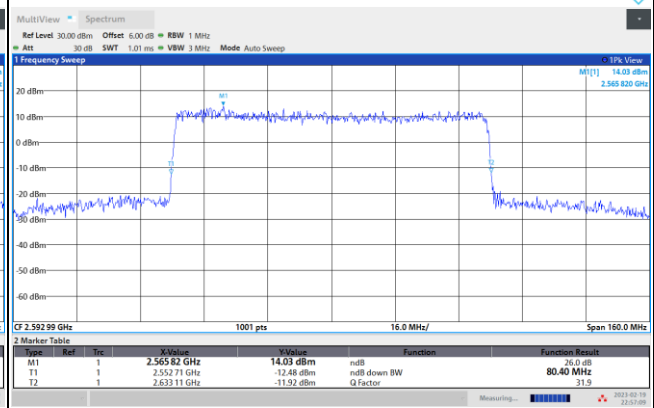
10:56:33 PM 02/19/2023

64QAM



10:56:51 PM 02/19/2023

256QAM

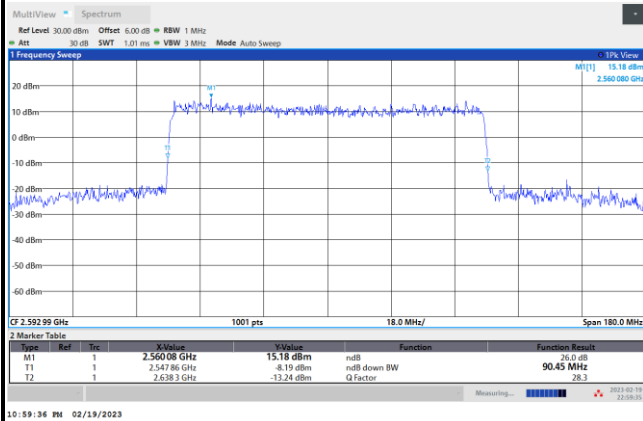


10:57:10 PM 02/19/2023



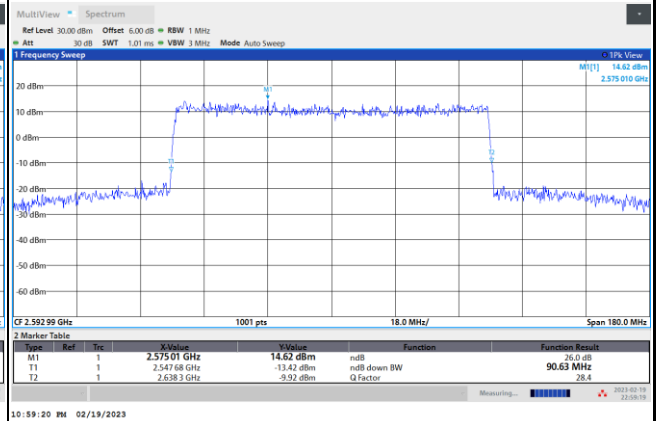
FR1 n41 / 90MHz / CP OFDM / Middle Channel / Full RB

QPSK



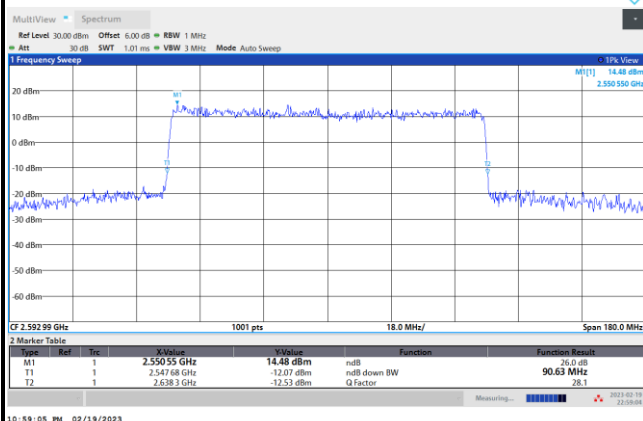
10:59:36 PM 02/19/2023

16QAM



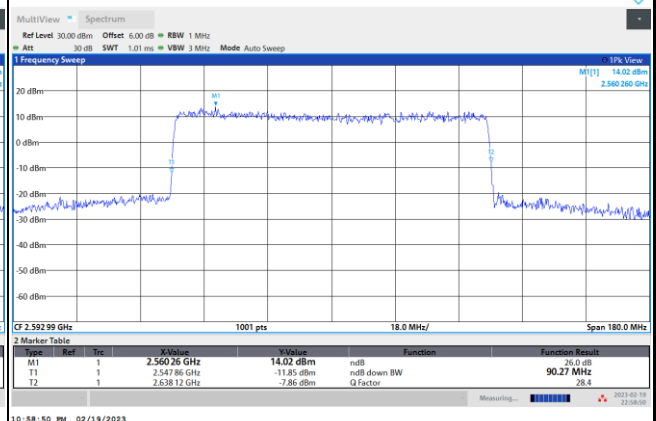
10:59:20 PM 02/19/2023

64QAM



10:59:05 PM 02/19/2023

256QAM

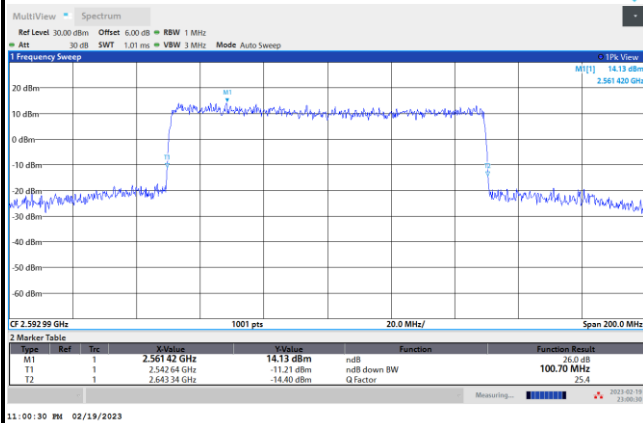


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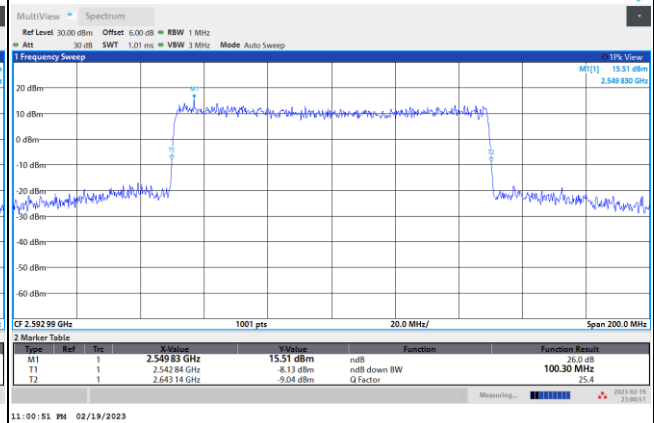
FR1 n41 / 100MHz / CP OFDM / Middle Channel / Full RB

QPSK



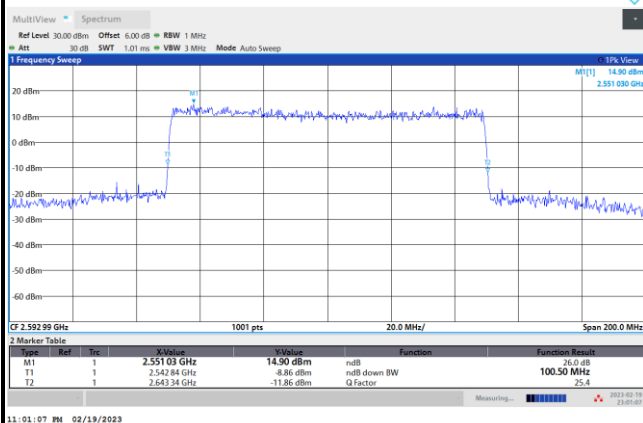
11:00:30 PM 02/19/2023

16QAM



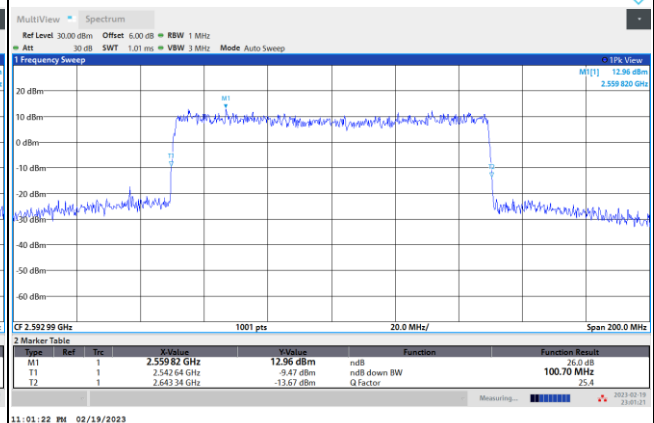
11:00:51 PM 02/19/2023

64QAM



11:01:07 PM 02/19/2023

256QAM



11:01:22 PM 02/19/2023

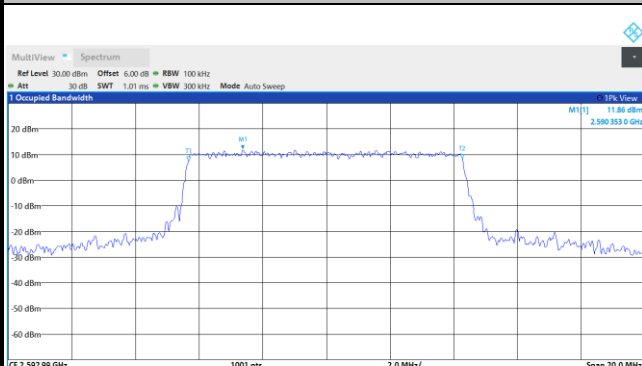
**Occupied Bandwidth**

Mode	FR1 n41 : OB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.60	8.60	13.67	13.66	18.28	18.16	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.57	8.61	13.60	13.61	18.30	18.25	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	27.82	27.83	38.01	38.04	47.63	47.69	58.01	57.98
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	27.93	27.84	38.06	38.14	47.66	47.69	57.92	57.92
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	67.59	67.58	77.73	77.56	87.69	87.47	97.57	97.51
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	67.49	67.57	77.67	77.56	87.66	87.33	97.42	97.50



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

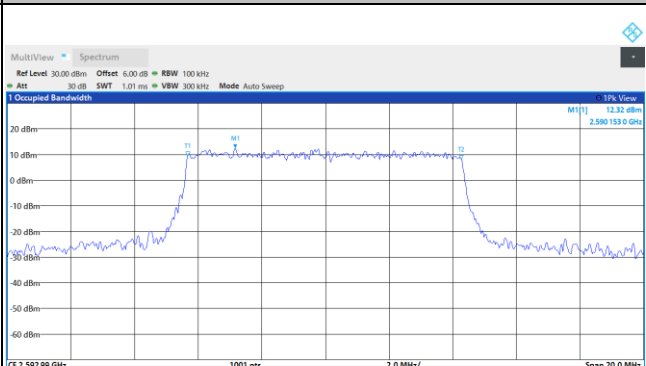
QPSK



Type	Ref	Freq	X-Value	Y-Value	Function	Function Result
M1	1	2.590353 GHz	11.86 dBm		Occ Bw	8.606561253 MHz
T1	1	2.5886553 GHz	7.30 dBm		Occ Bw Centroid	2.592958539 GHz
T2	1	2.5972619 GHz	8.41 dBm		Occ Bw Freq Offset	-31.460804082 kHz

09:54:31 AM 02/06/2023

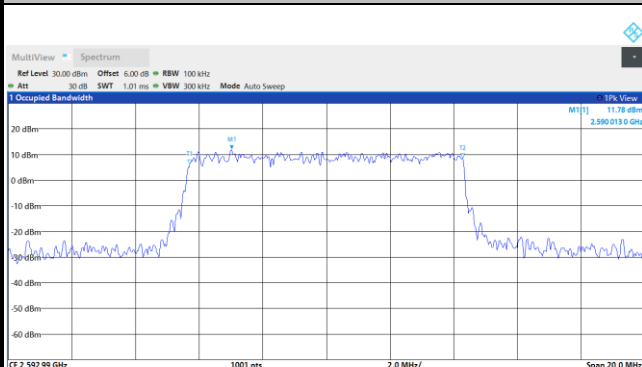
16QAM



Type	Ref	Freq	X-Value	Y-Value	Function	Function Result
M1	1	2.590153 GHz	12.32 dBm		Occ Bw	8.601193315 MHz
T1	1	2.5886574 GHz	9.38 dBm		Occ Bw Centroid	2.592958019 GHz
T2	1	2.5972586 GHz	8.05 dBm		Occ Bw Freq Offset	-31.980534518 kHz

09:54:50 AM 02/06/2023

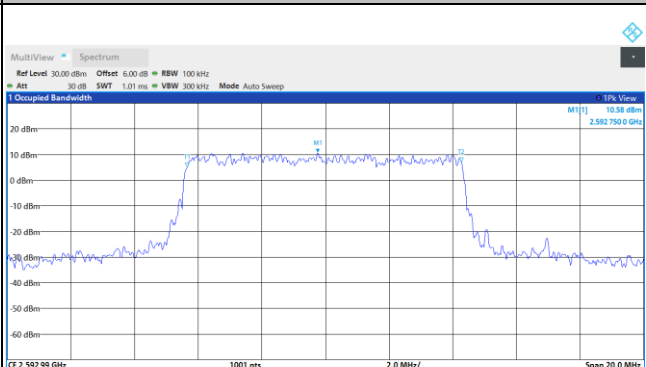
64QAM



Type	Ref	Freq	X-Value	Y-Value	Function	Function Result
M1	1	2.590013 GHz	11.78 dBm		Occ Bw	8.573590069 MHz
T1	1	2.5886619 GHz	6.22 dBm		Occ Bw Centroid	2.592978687 GHz
T2	1	2.5972655 GHz	8.50 dBm		Occ Bw Freq Offset	-11.312594363 kHz

09:55:04 AM 02/06/2023

256QAM



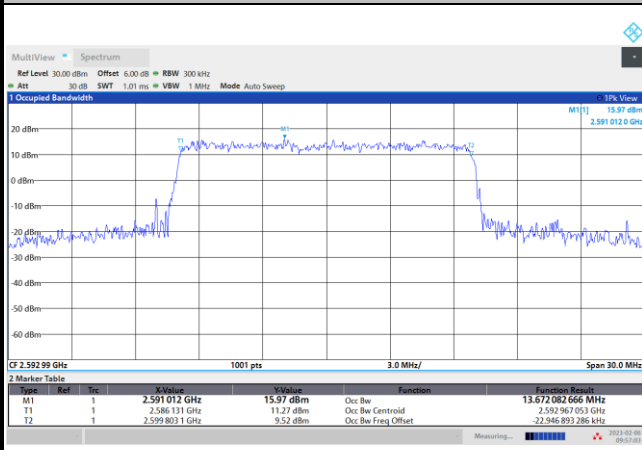
Type	Ref	Freq	X-Value	Y-Value	Function	Function Result
M1	1	2.59275 GHz	10.58 dBm		Occ Bw	8.615774225 MHz
T1	1	2.5886441 GHz	4.97 dBm		Occ Bw Centroid	2.592962023 GHz
T2	1	2.5972599 GHz	6.94 dBm		Occ Bw Freq Offset	-37.977634356 kHz

09:55:25 AM 02/06/2023



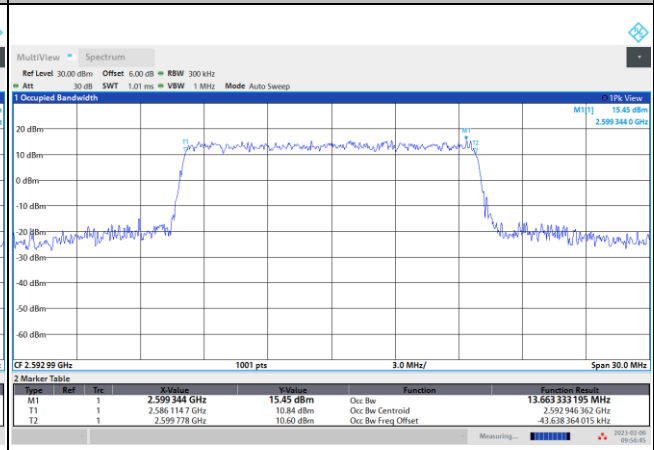
FR1 n41 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



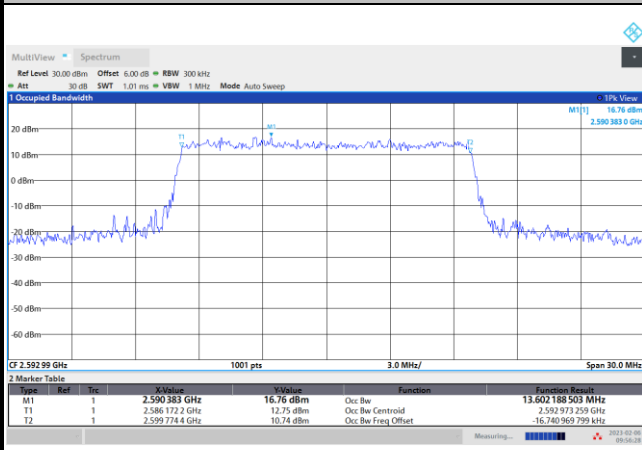
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16QAM



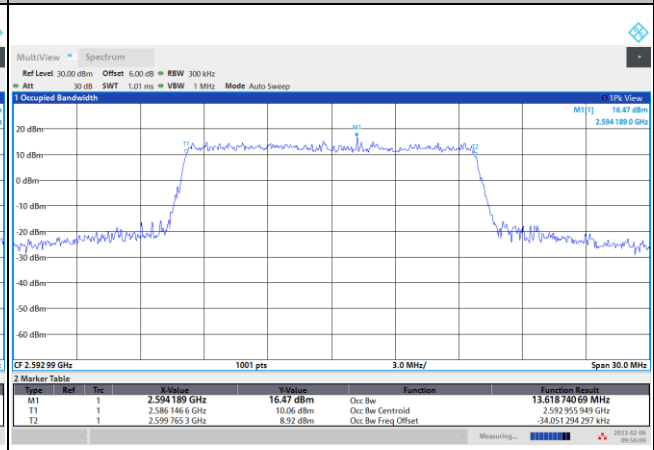
09:56:46 AM 02/06/2023

64QAM



09:56:28 AM 02/06/2023

256QAM

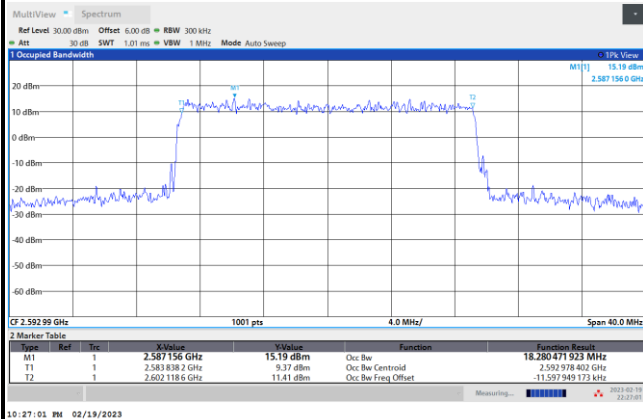


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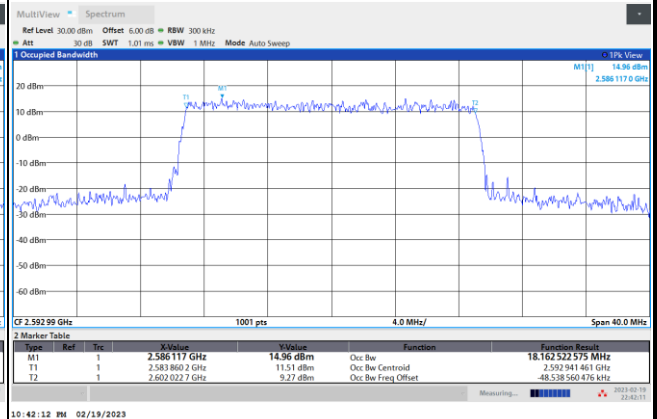


FR1 n41 / 20MHz / CP OFDM / Middle Channel / Full RB

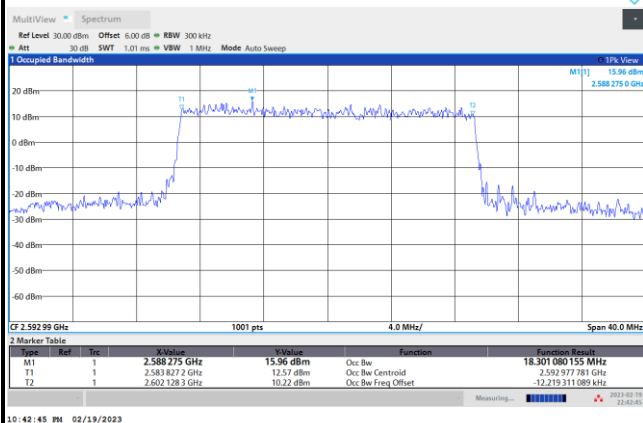
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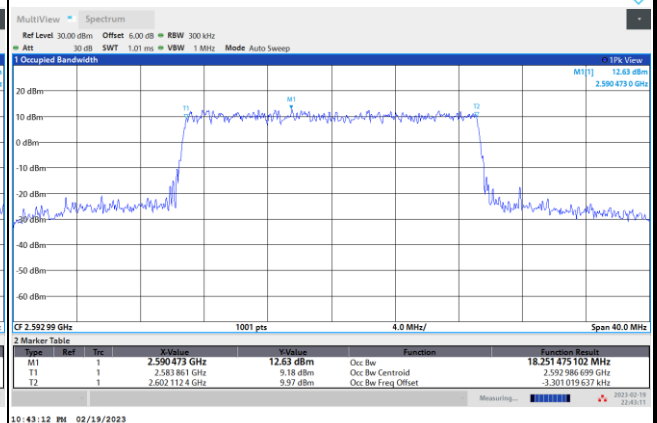
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64QAM



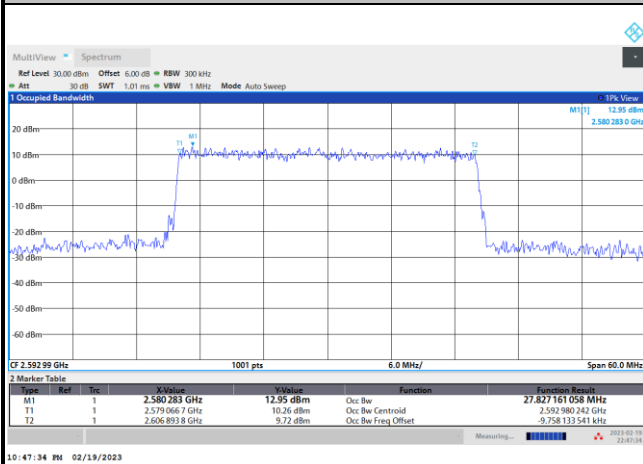
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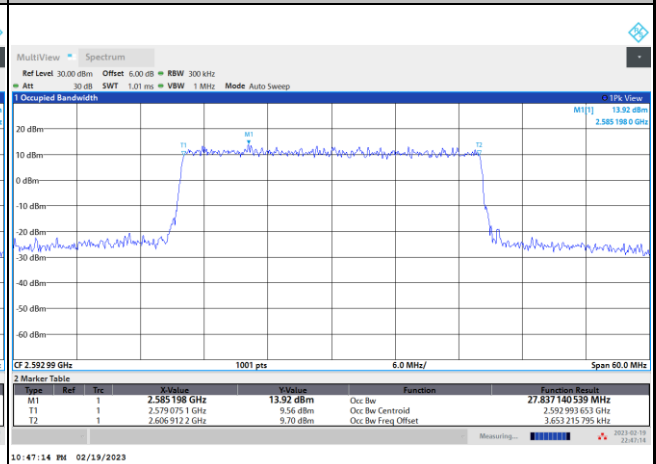


FR1 n41 / 30MHz / CP OFDM / Middle Channel / Full RB

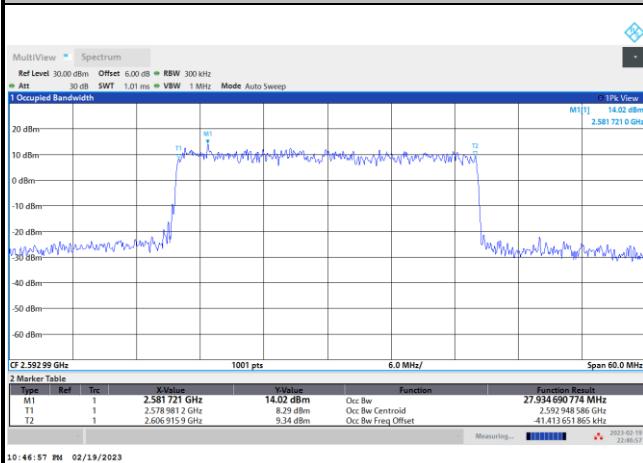
QPSK



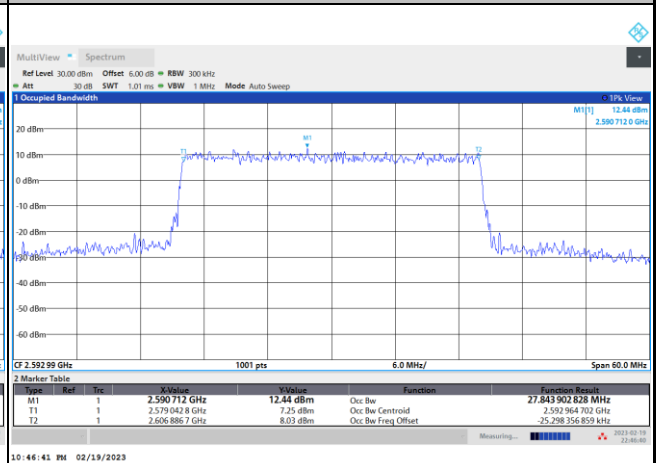
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64QAM



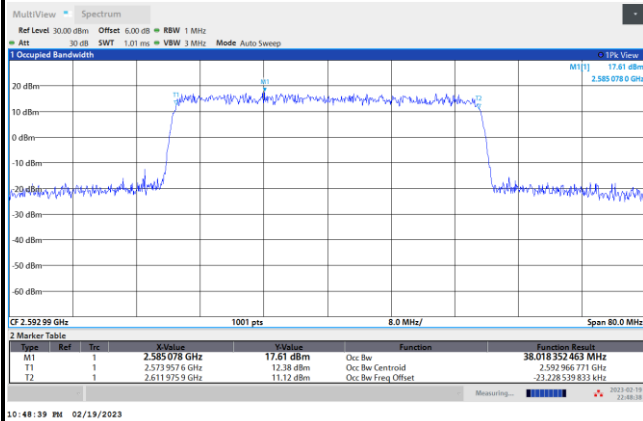
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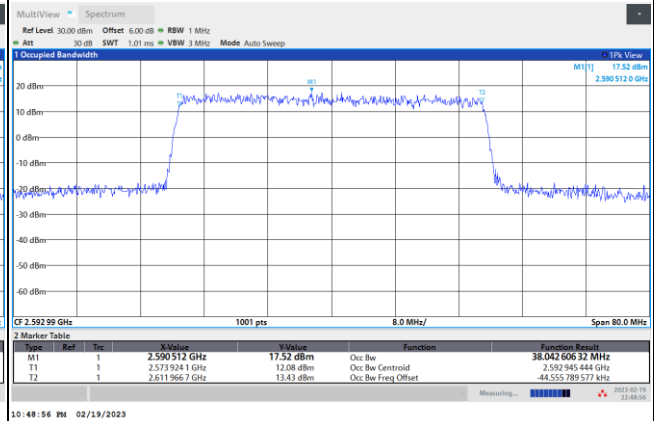


FR1 n41 / 40MHz / CP OFDM / Middle Channel / Full RB

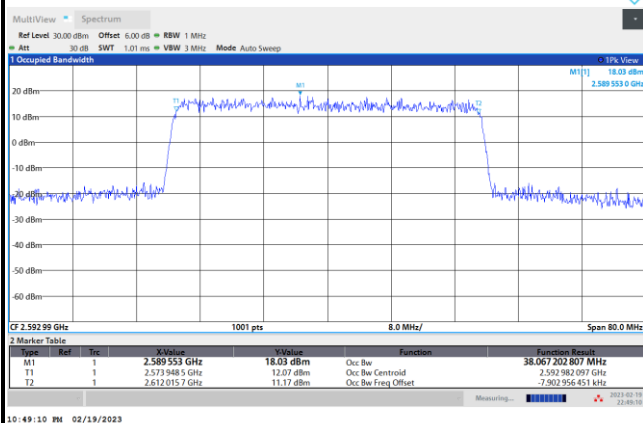
QPSK



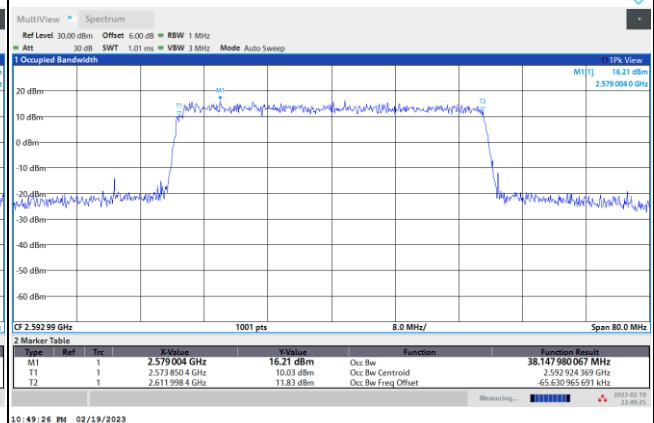
16QAM



64QAM



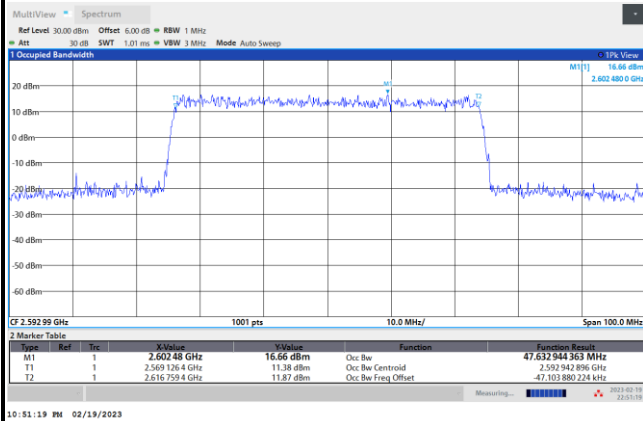
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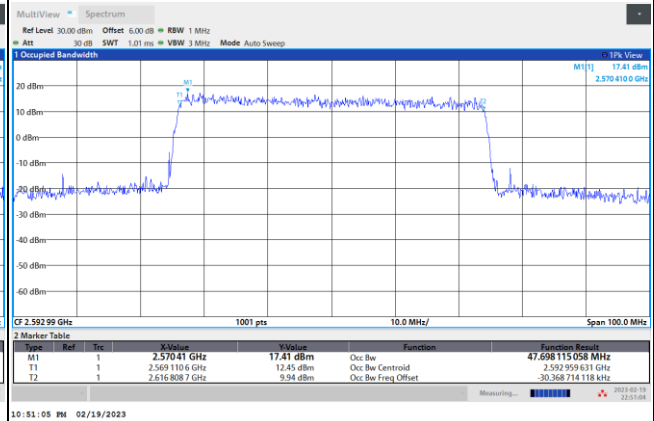


FR1 n41 / 50MHz / CP OFDM / Middle Channel / Full RB

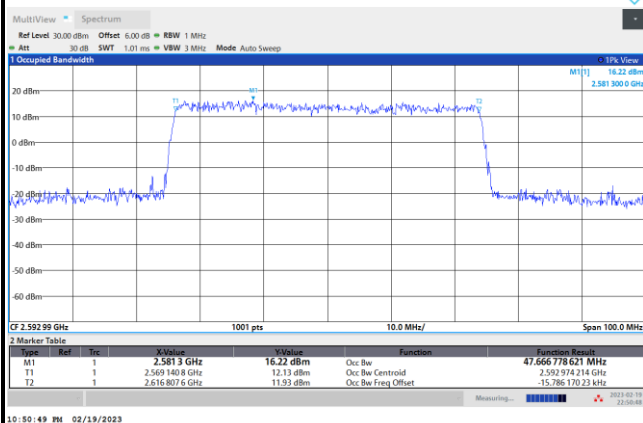
QPSK



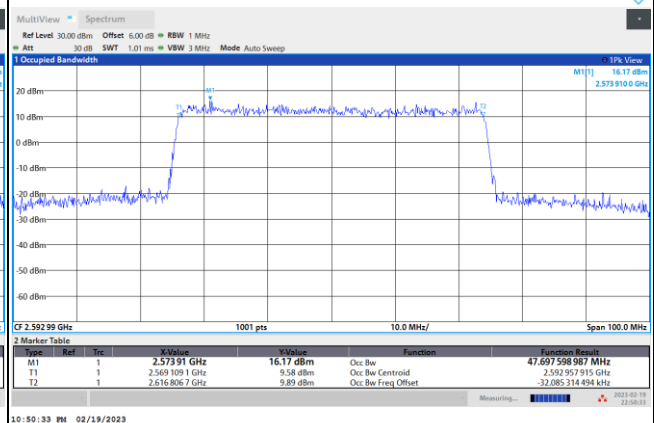
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64QAM



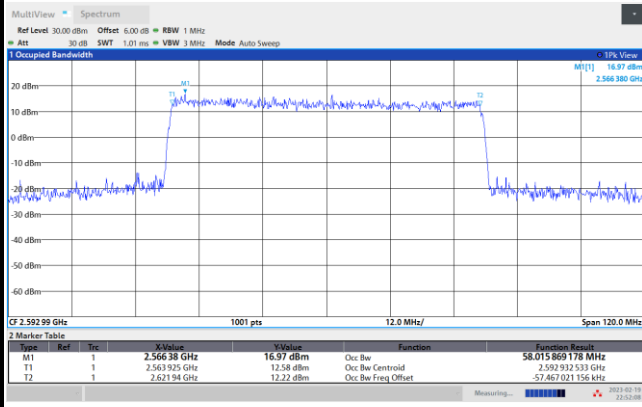
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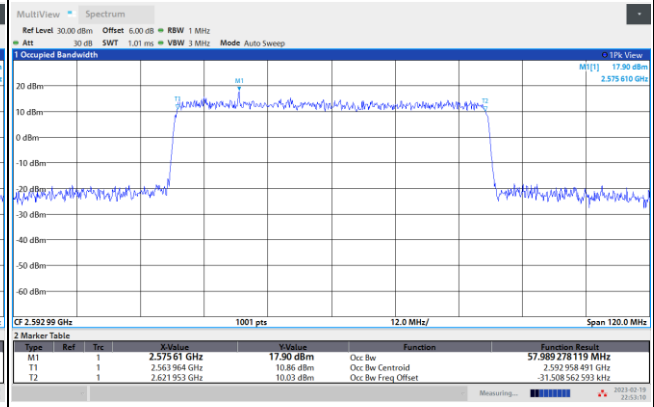
FR1 n41 / 60MHz / CP OFDM / Middle Channel / Full RB

QPSK



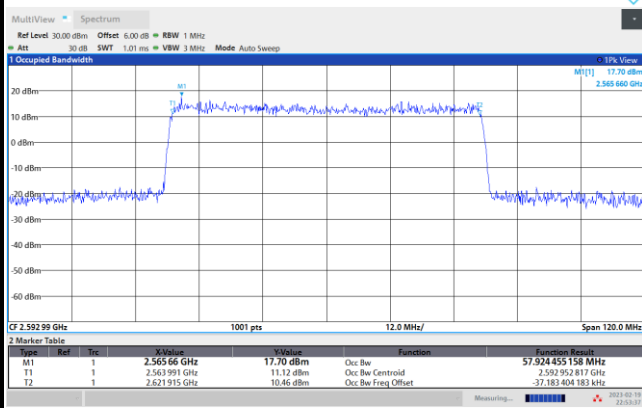
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16QAM



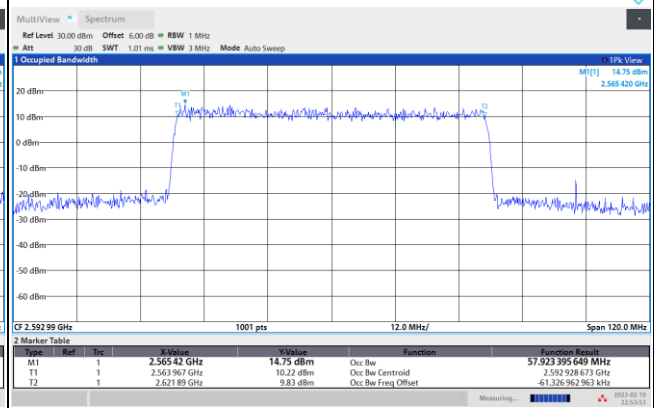
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64QAM



10:53:38 PM 02/19/2023

256QAM



10:53:54 PM 02/19/2023