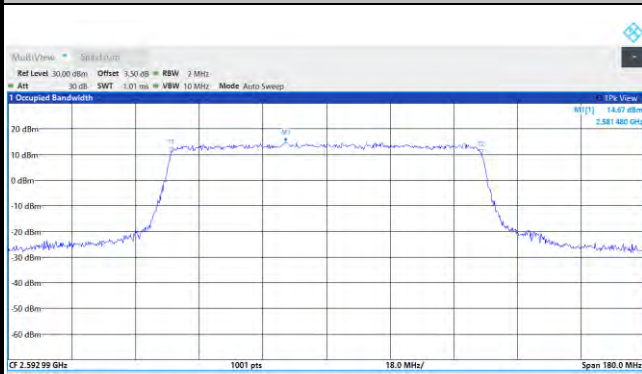




FR1 n41 / 90MHz / CP OFDM / Middle Channel / Full RB

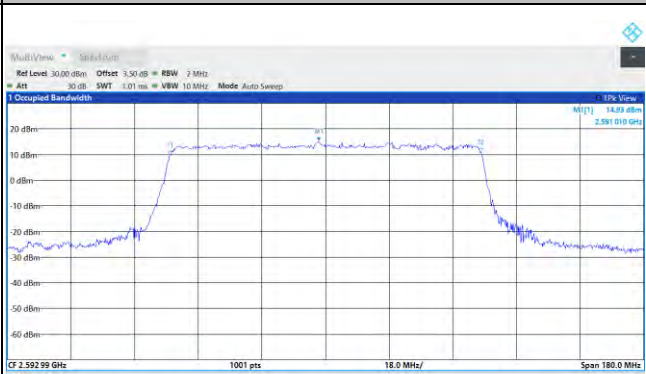
QPSK



Type	Ref	Freq	Value	Function	System Result
M1	1	2.58148 GHz	14.67 dBm	Occ Bw	87.600199324 MHz
T1	1	2.549128 GHz	10.85 dBm	Occ Bw Centroid	2.592928221 GHz
T2	1	2.636728 GHz	10.16 dBm	Occ Bw Freq Offset	63.728653789 kHz

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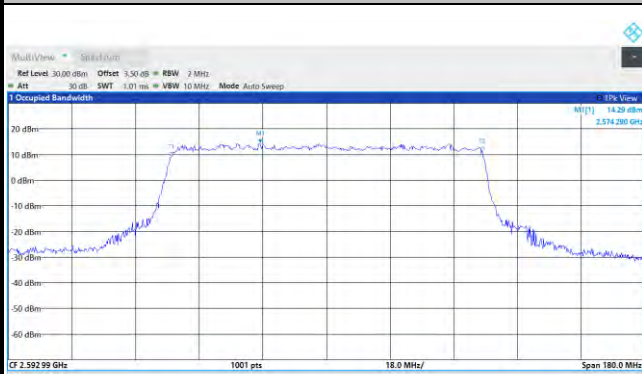
16QAM



Type	Ref	Freq	Value	Function	System Result
M1	1	2.59101 GHz	14.93 dBm	Occ Bw	87.762901712 MHz
T1	1	2.549138 GHz	9.54 dBm	Occ Bw Centroid	2.593019807 GHz
T2	1	2.636901 GHz	10.66 dBm	Occ Bw Freq Offset	29.806931029 kHz

03:24:15 PM 02/14/2025

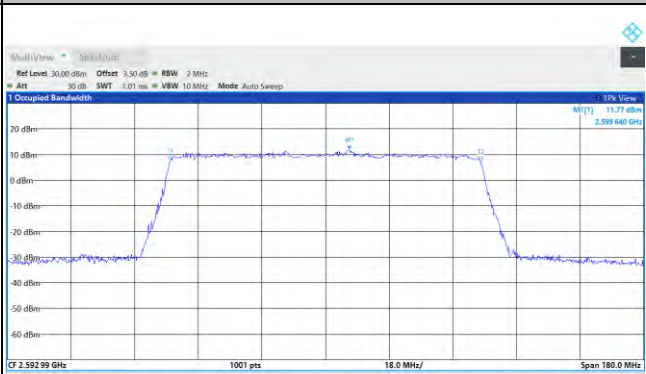
64QAM



Type	Ref	Freq	Value	Function	System Result
M1	1	2.57429 GHz	14.29 dBm	Occ Bw	87.999313529 MHz
T1	1	2.549068 GHz	8.59 dBm	Occ Bw Centroid	2.593067188 GHz
T2	1	2.637067 GHz	11.00 dBm	Occ Bw Freq Offset	77.188358908 kHz

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256QAM



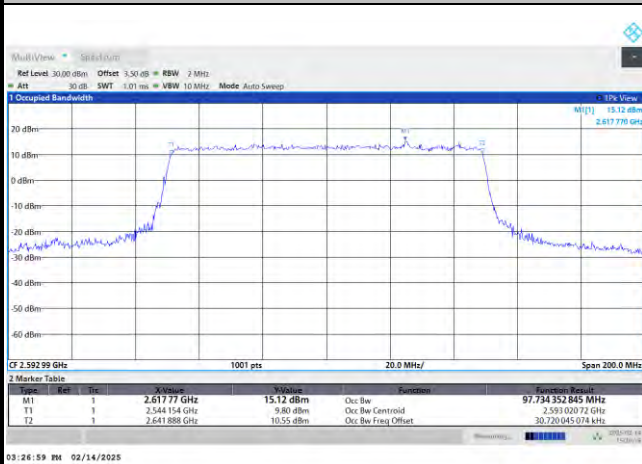
Type	Ref	Freq	Value	Function	System Result
M1	1	2.59964 GHz	11.77 dBm	Occ Bw	87.852402562 MHz
T1	1	2.549051 GHz	7.33 dBm	Occ Bw Centroid	2.593056164 GHz
T2	1	2.636883 GHz	6.98 dBm	Occ Bw Freq Offset	-33.836245518 kHz

03:26:03 PM 02/14/2025

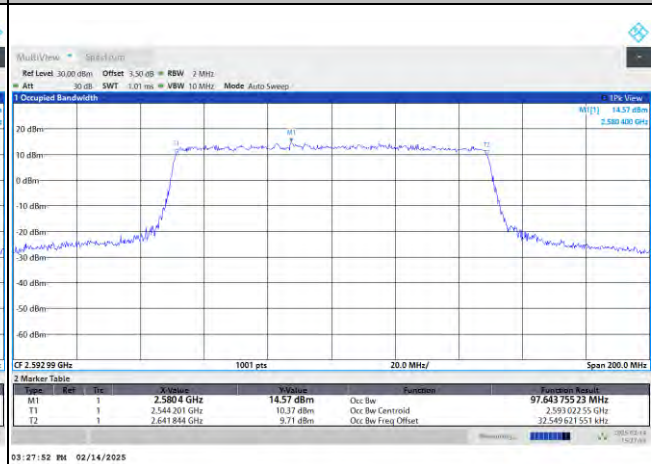


FR1 n41 / 100MHz / CP OFDM / Middle Channel / Full RB

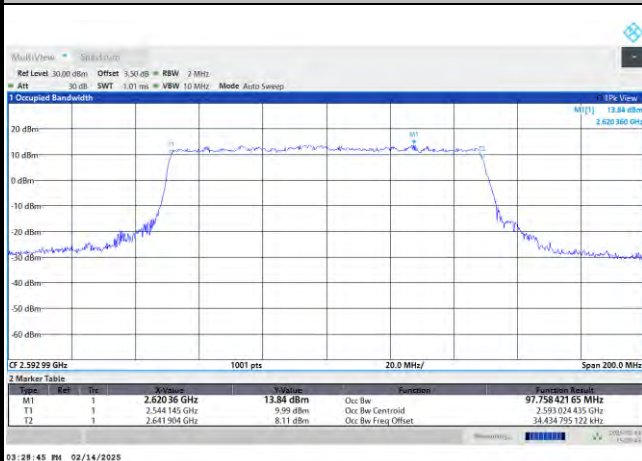
QPSK



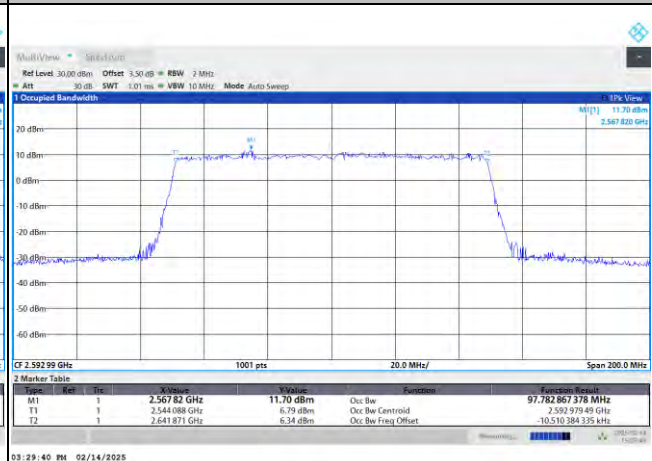
16QAM

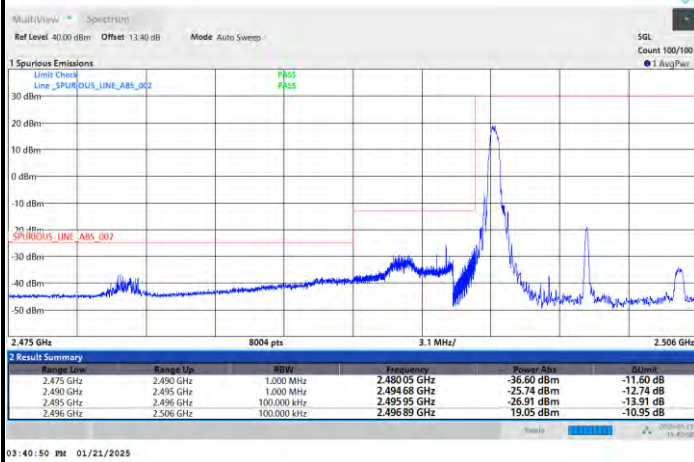
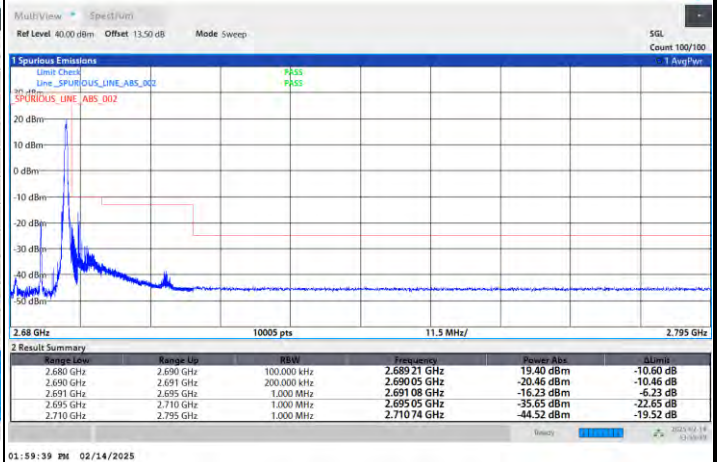
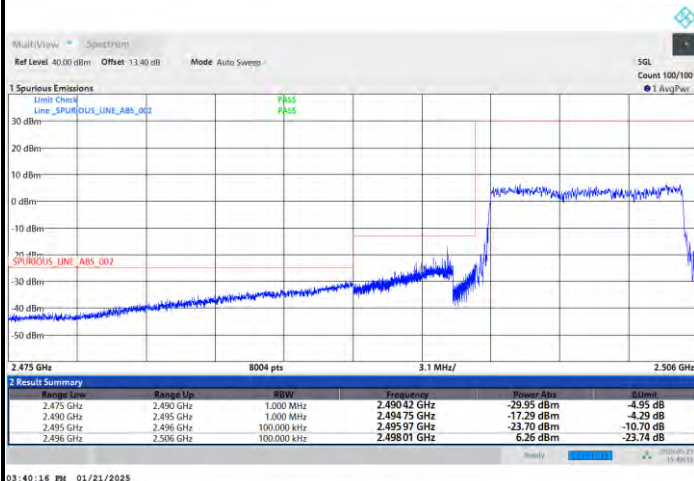
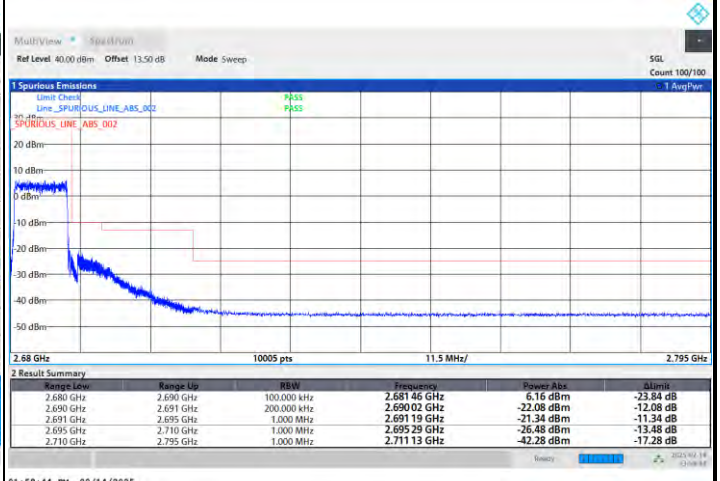


64QAM



256QAM



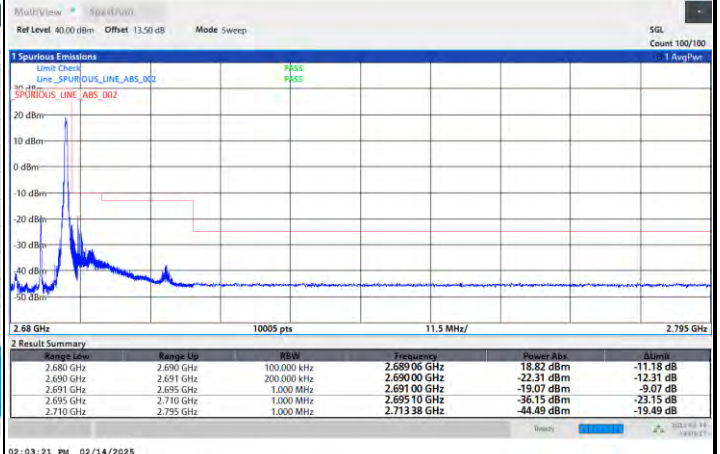
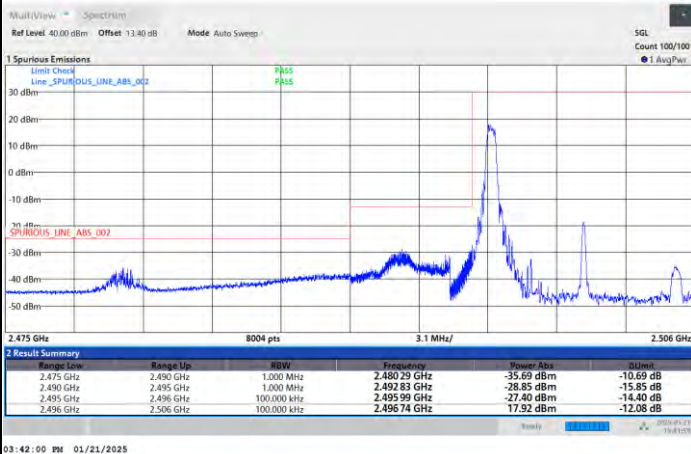
**Conducted Band Edge****FR1 n41 / 10MHz / CP OFDM / QPSK****Lowest Band Edge / 1RB0****Highest Band Edge / 1RBmax****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



FR1 n41 / 10MHz / CP OFDM / 16QAM

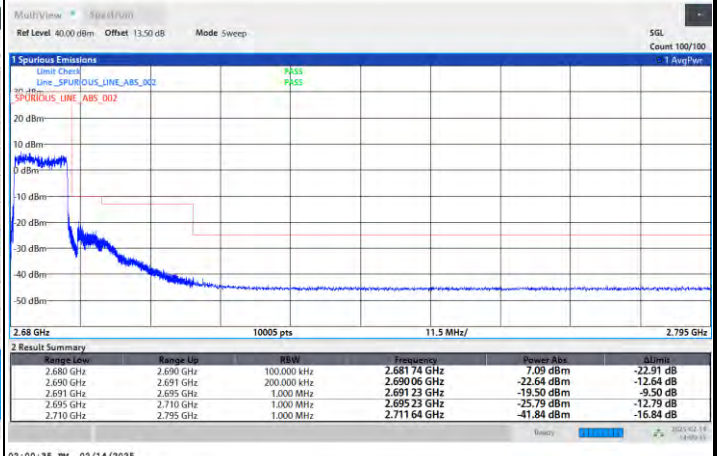
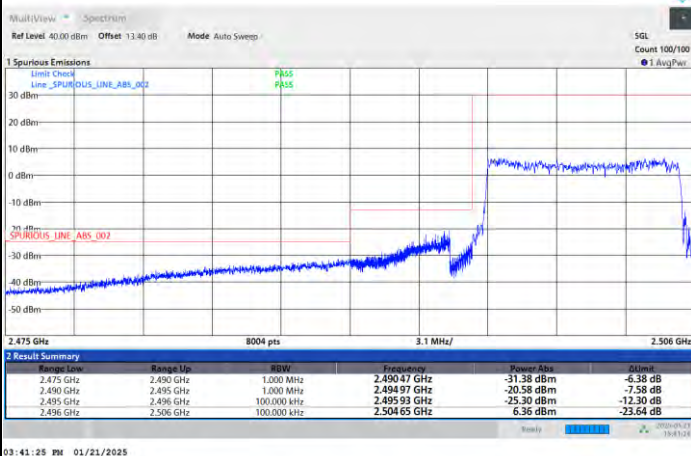
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

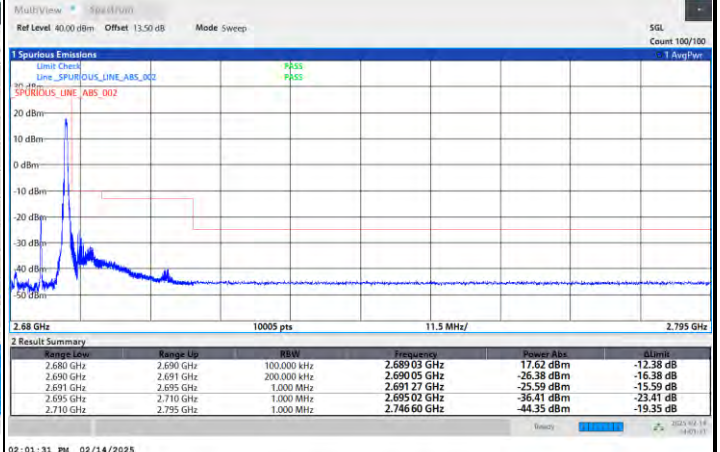
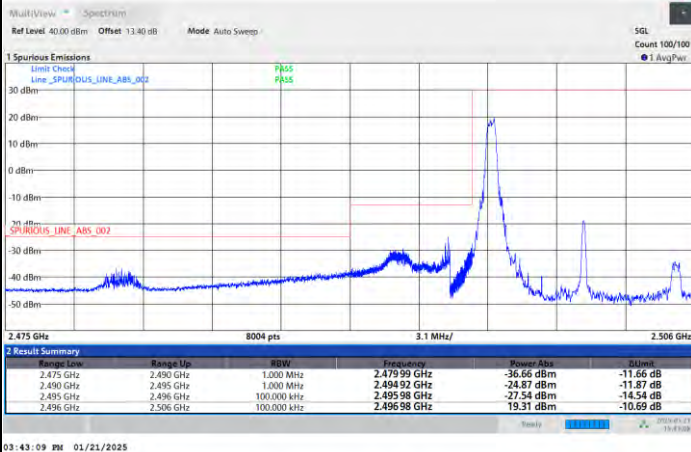




FR1 n41 / 10MHz / CP OFDM / 64QAM

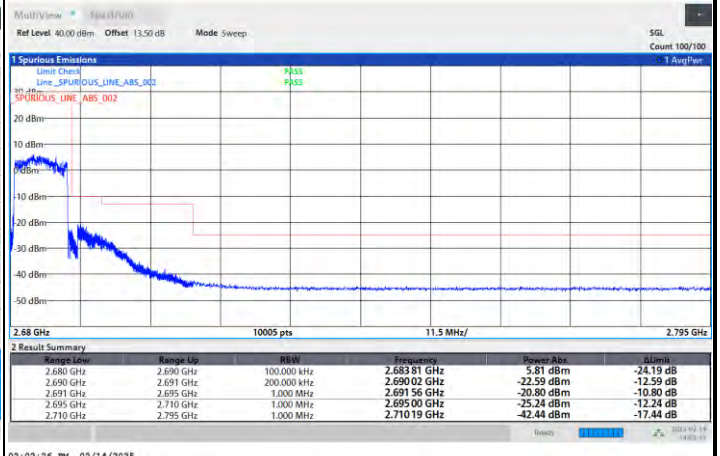
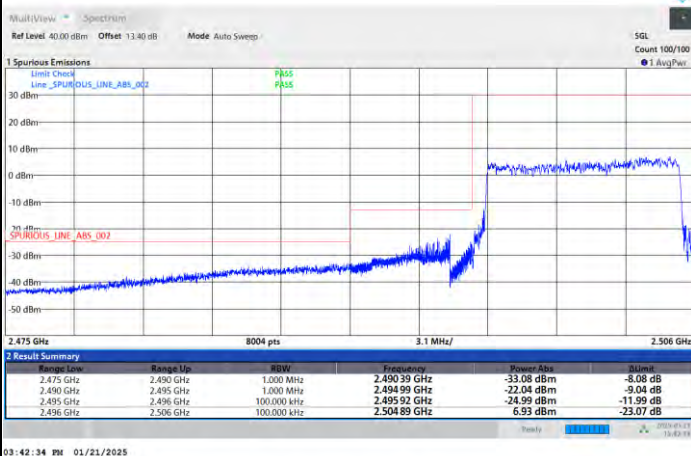
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

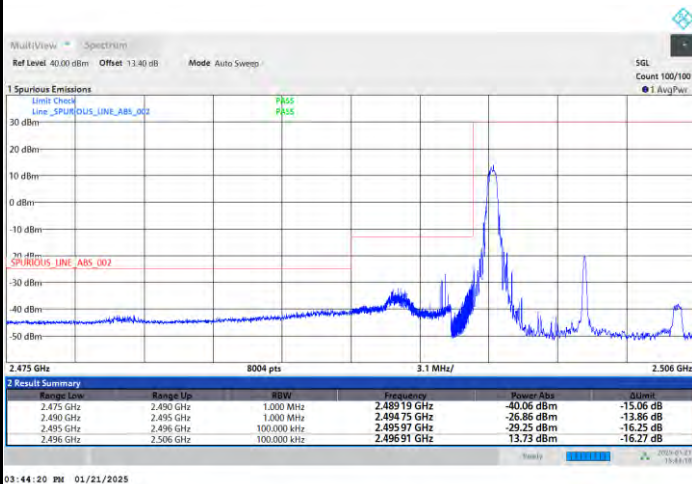




FR1 n41 / 10MHz / CP OFDM / 256QAM

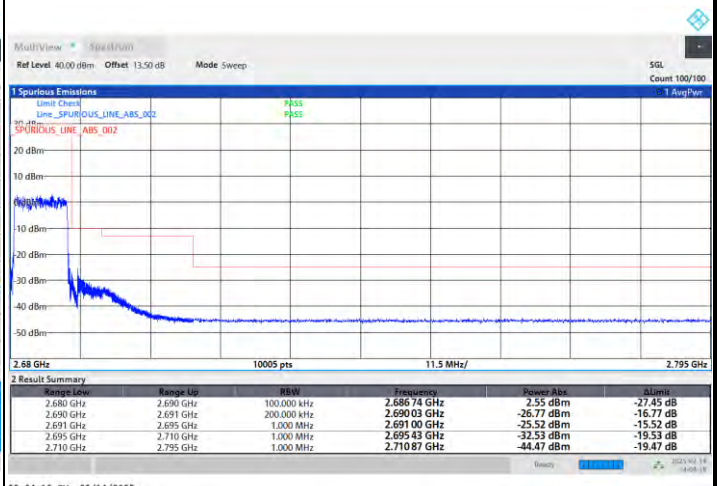
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



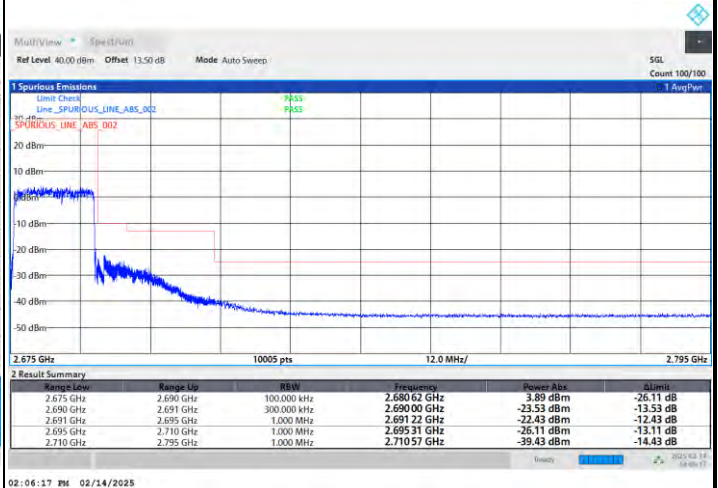


FR1 n41 / 15MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

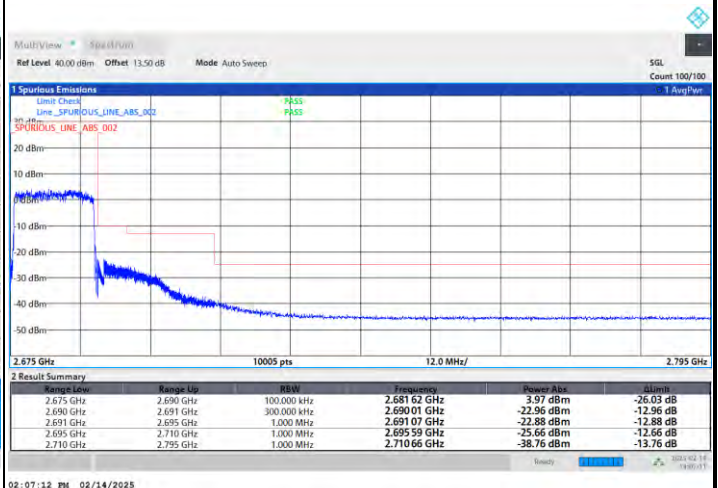


FR1 n41 / 15MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



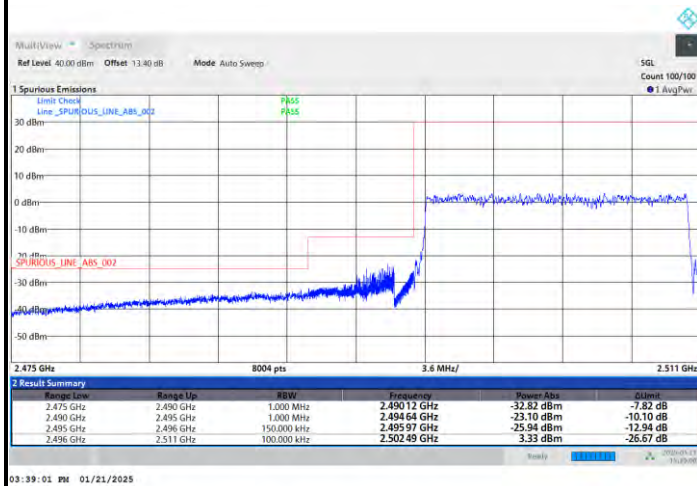
Highest Band Edge / Full RB



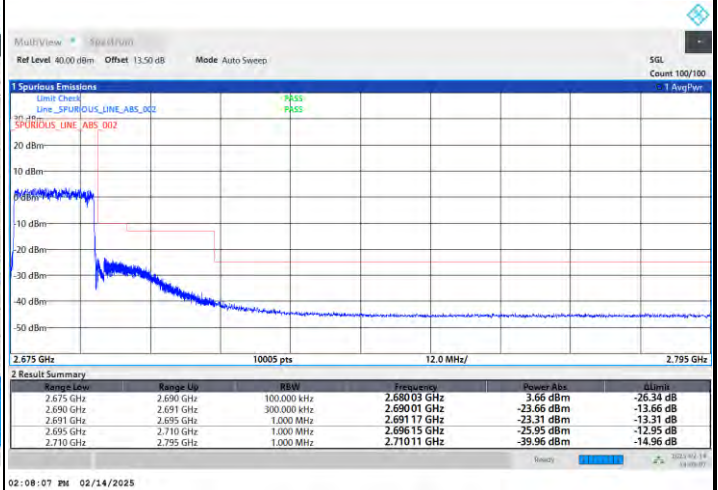


FR1 n41 / 15MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

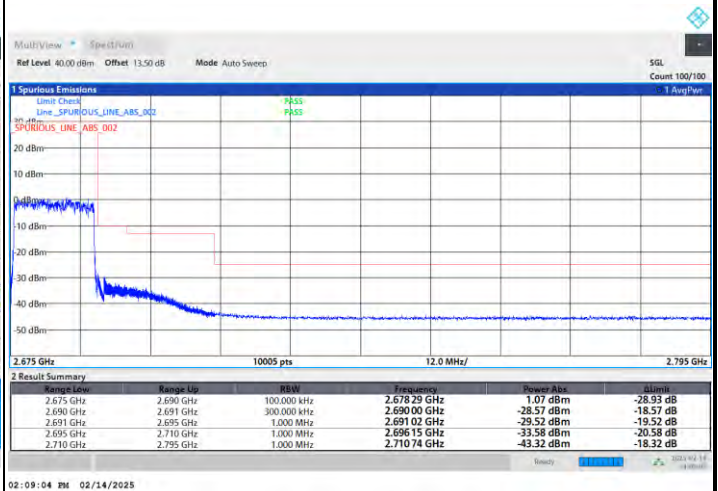


FR1 n41 / 15MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





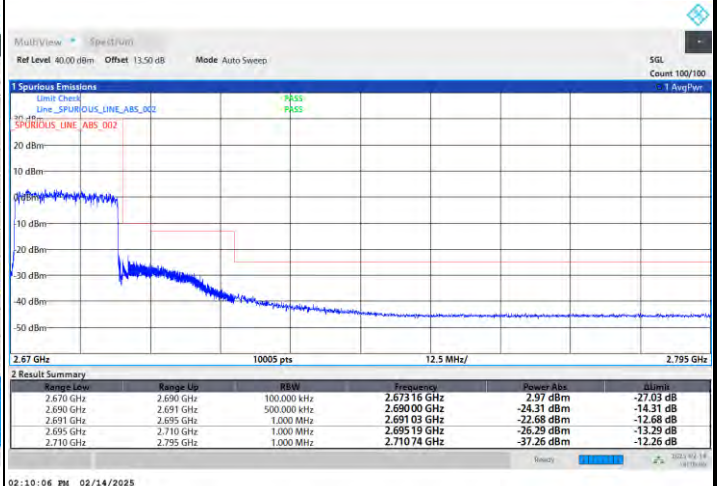
FR1 n41 / 20MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



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Highest Band Edge / Full RB



02:10:06 PM 02/14/2025

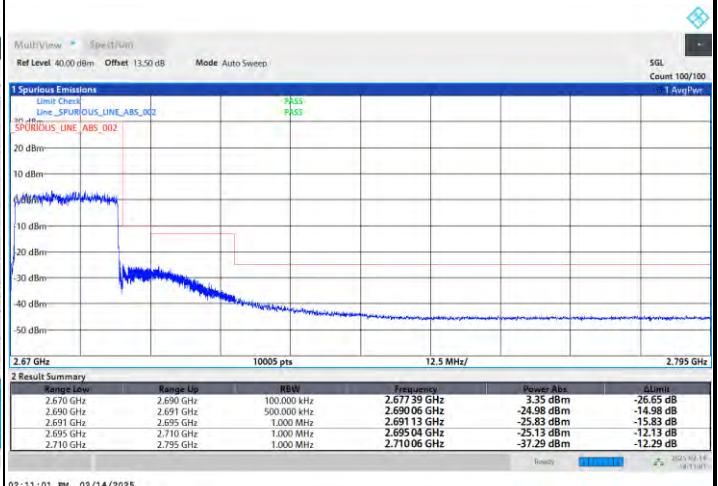
FR1 n41 / 20MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



03:36:03 PM 01/21/2025

Highest Band Edge / Full RB

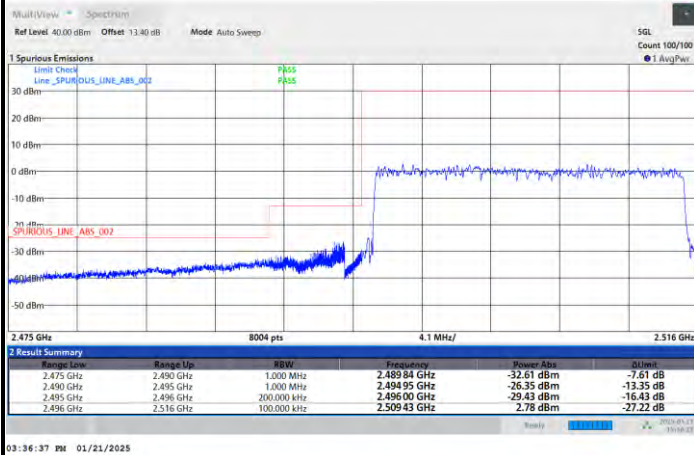


02:11:01 PM 02/14/2025

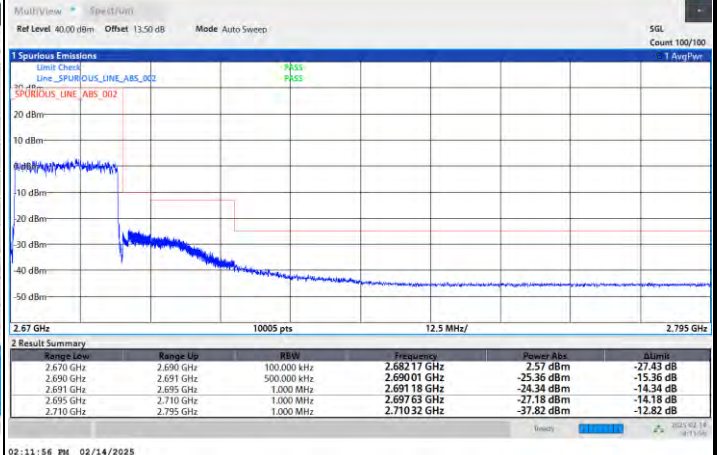


FR1 n41 / 20MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

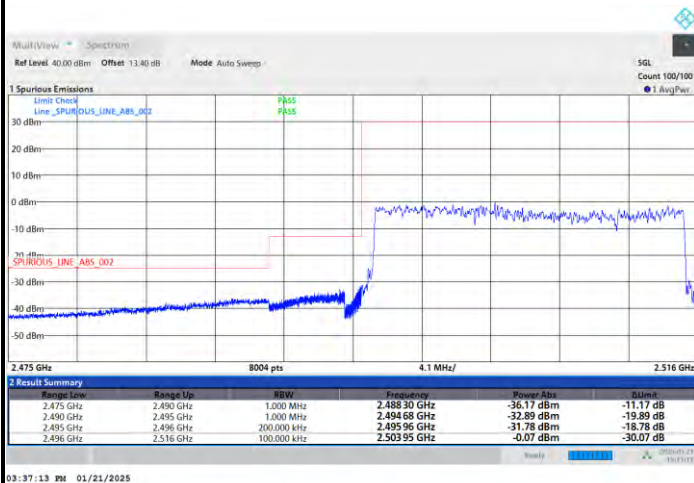


Highest Band Edge / Full RB



FR1 n41 / 20MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



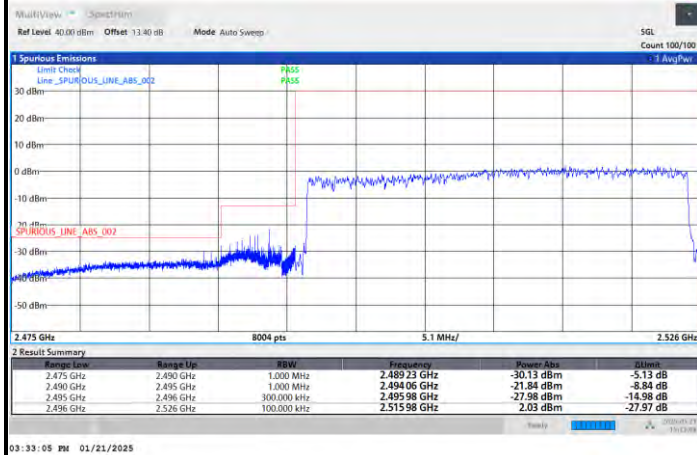
Highest Band Edge / Full RB





FR1 n41 / 30MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

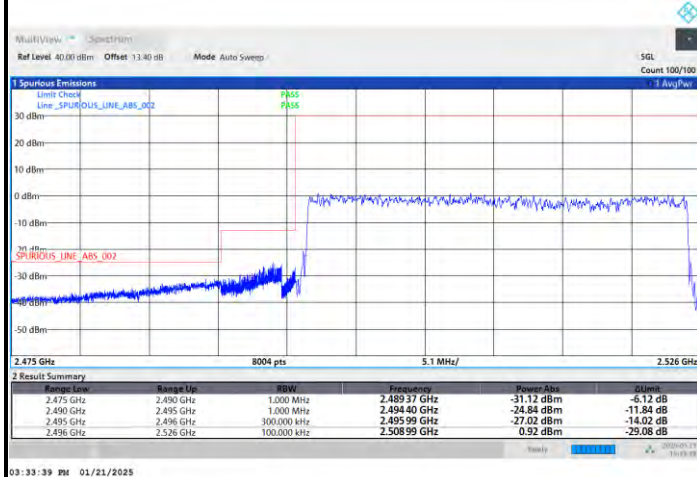


Highest Band Edge / Full RB

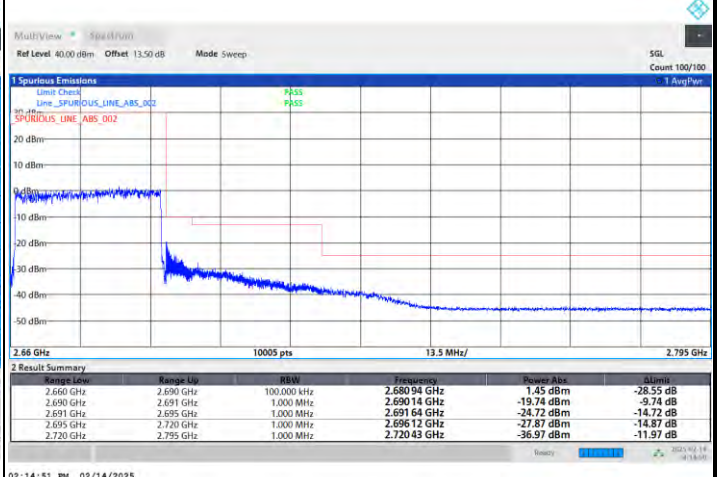


FR1 n41 / 30MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



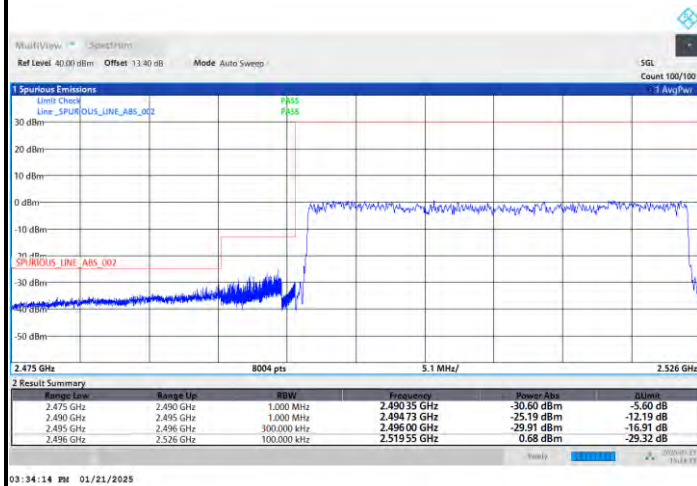
Highest Band Edge / Full RB



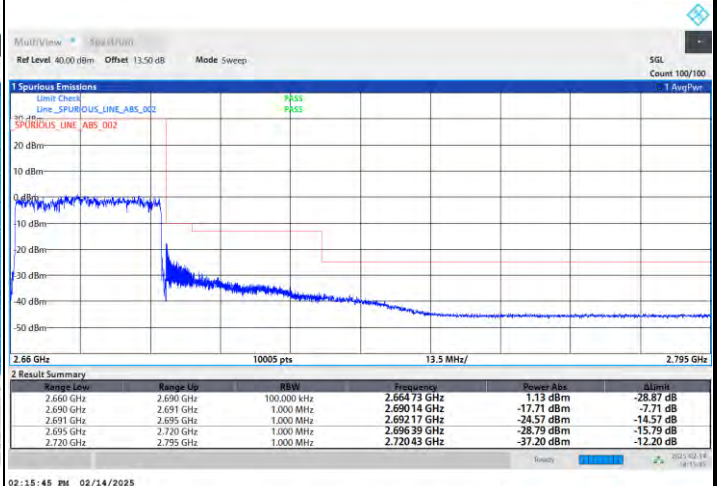


FR1 n41 / 30MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

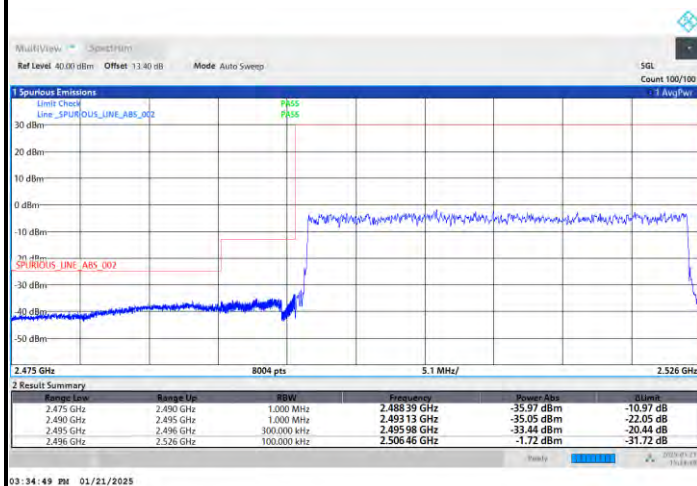


Highest Band Edge / Full RB

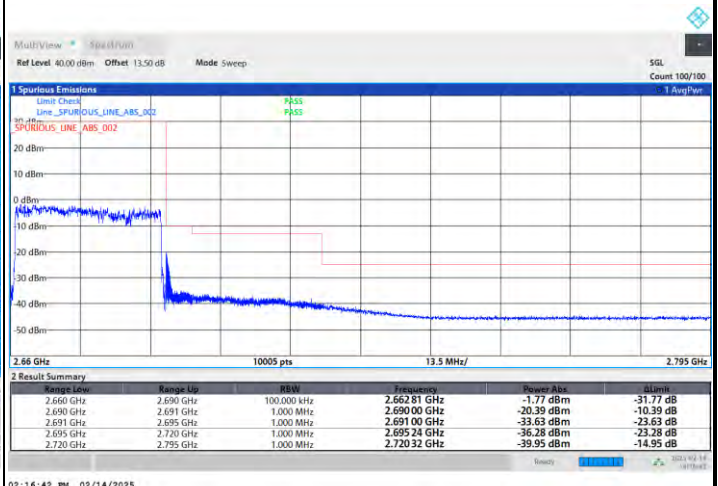


FR1 n41 / 30MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



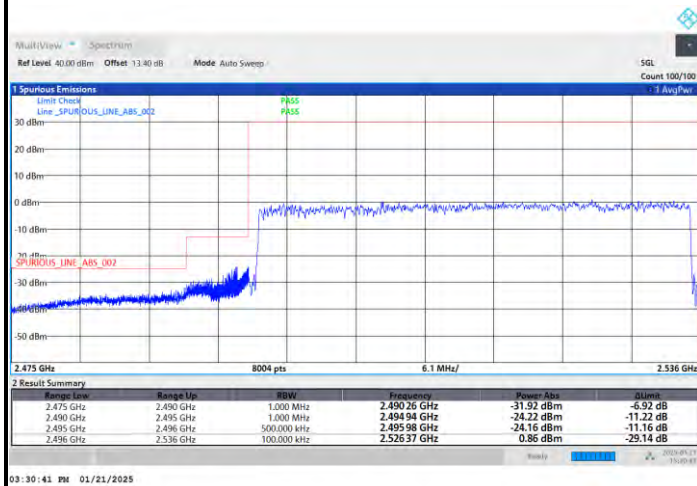
Highest Band Edge / Full RB



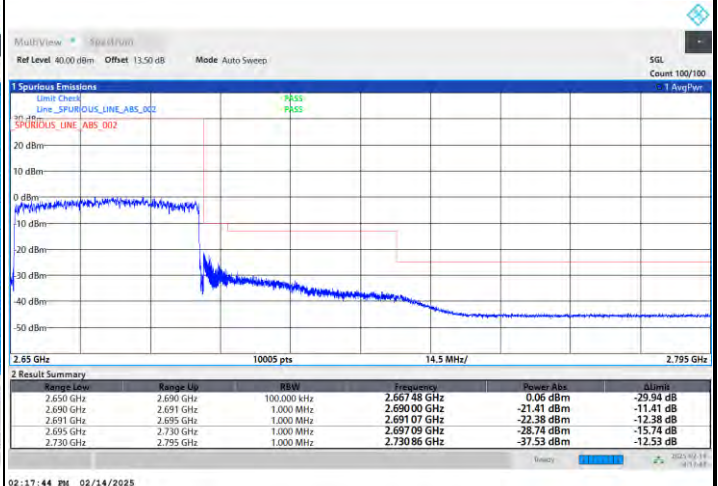


FR1 n41 / 40MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

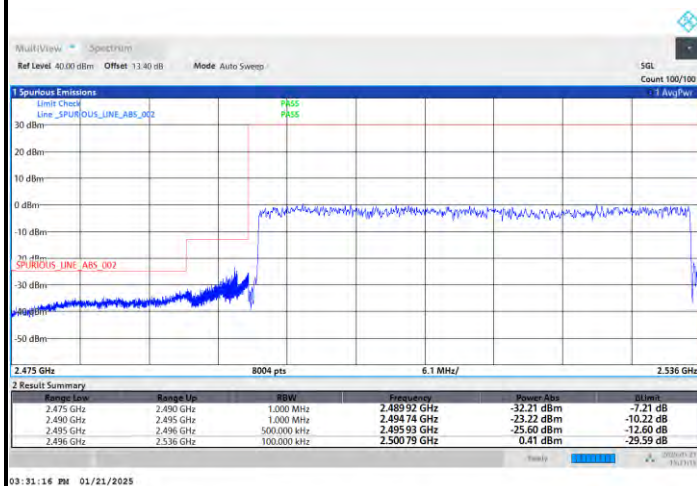


Highest Band Edge / Full RB

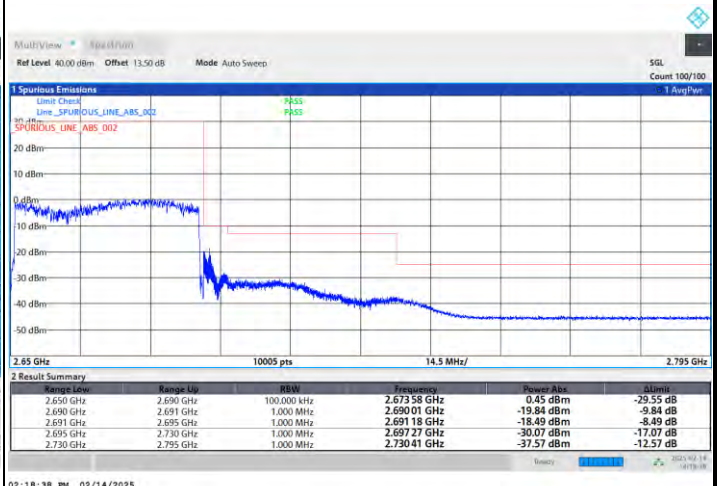


FR1 n41 / 40MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



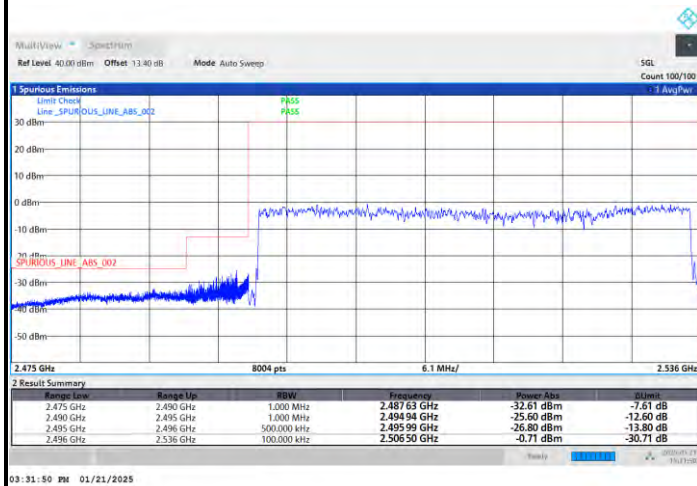
Highest Band Edge / Full RB



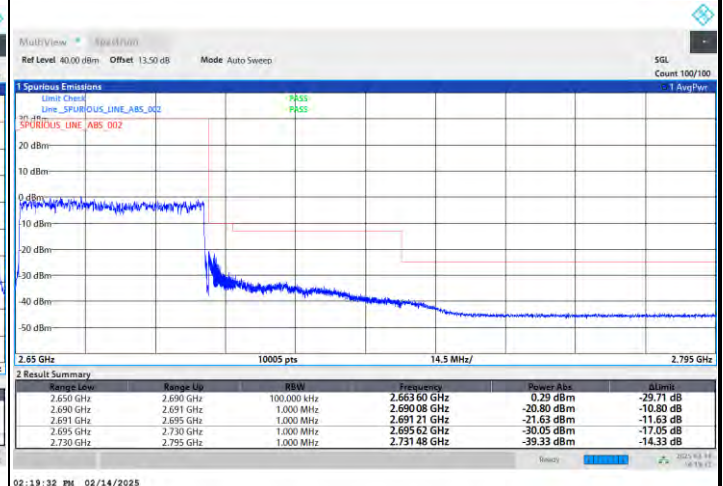


FR1 n41 / 40MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

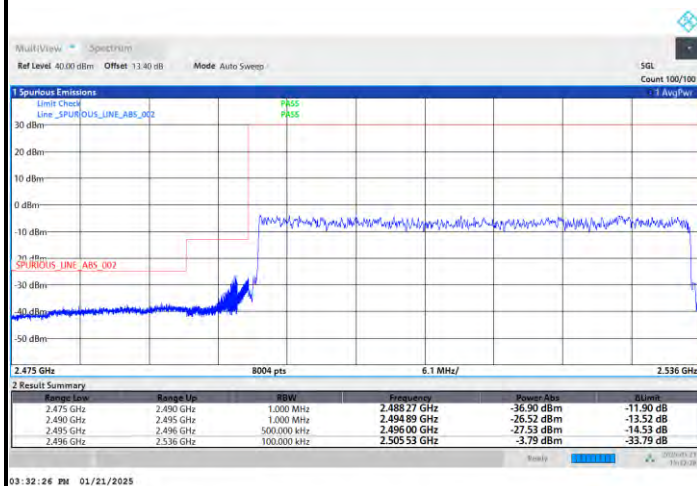


Highest Band Edge / Full RB

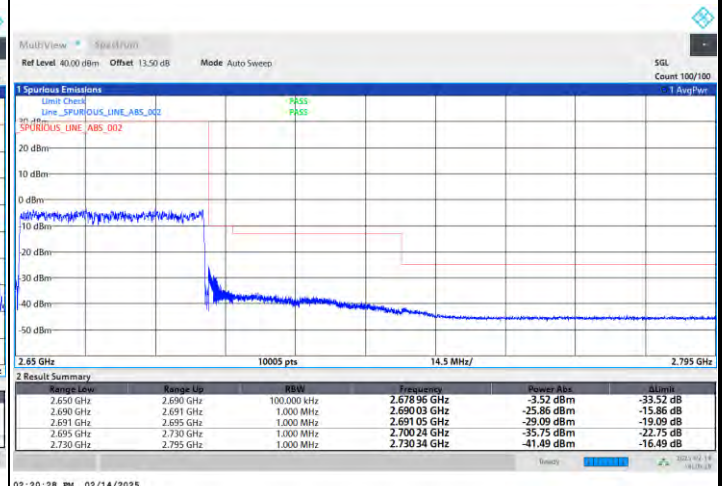


FR1 n41 / 40MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



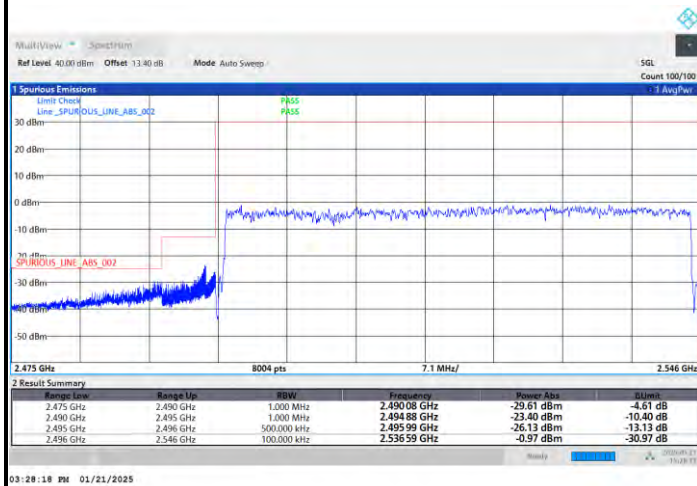
Highest Band Edge / Full RB





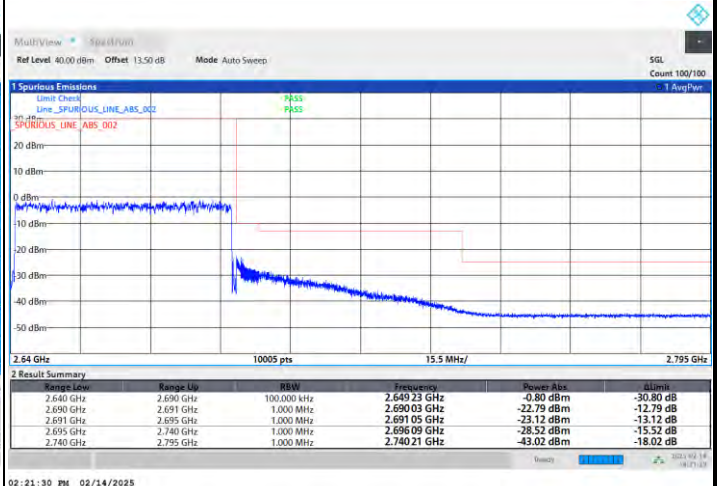
FR1 n41 / 50MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



03:28:18 PM 01/21/2025

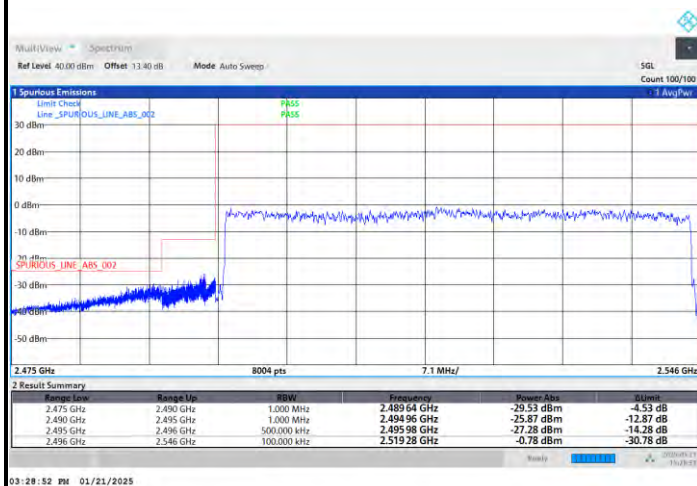
Highest Band Edge / Full RB



02:21:30 PM 02/14/2025

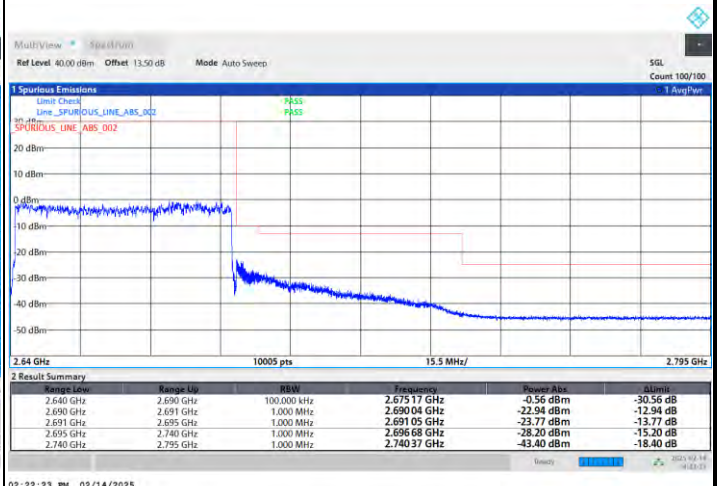
FR1 n41 / 50MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



03:28:52 PM 01/21/2025

Highest Band Edge / Full RB

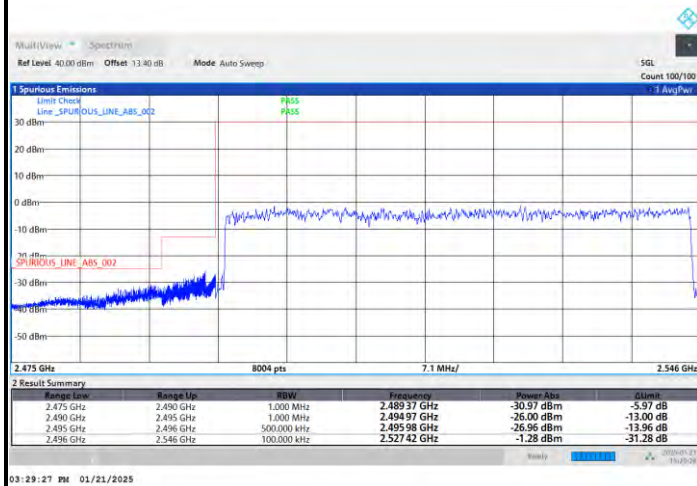


02:22:23 PM 02/14/2025

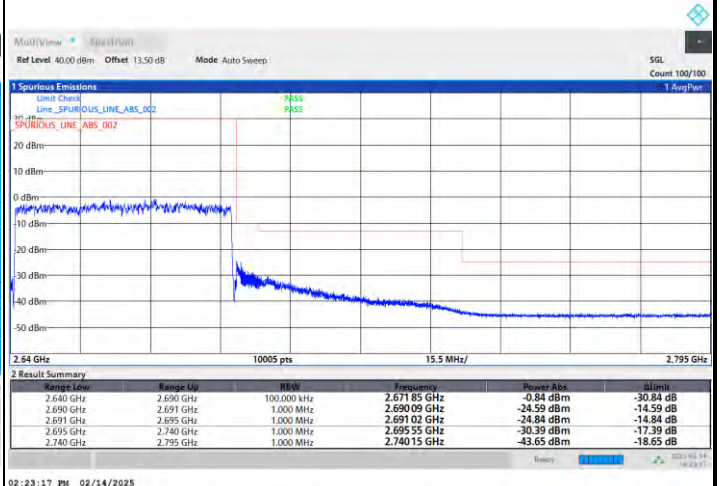


FR1 n41 / 50MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

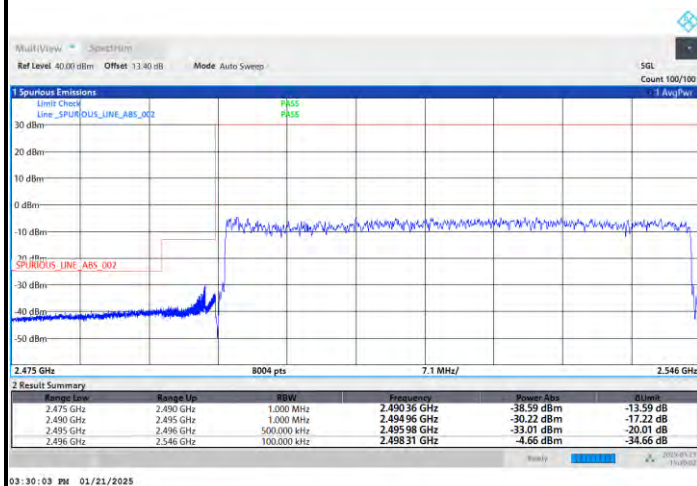


Highest Band Edge / Full RB

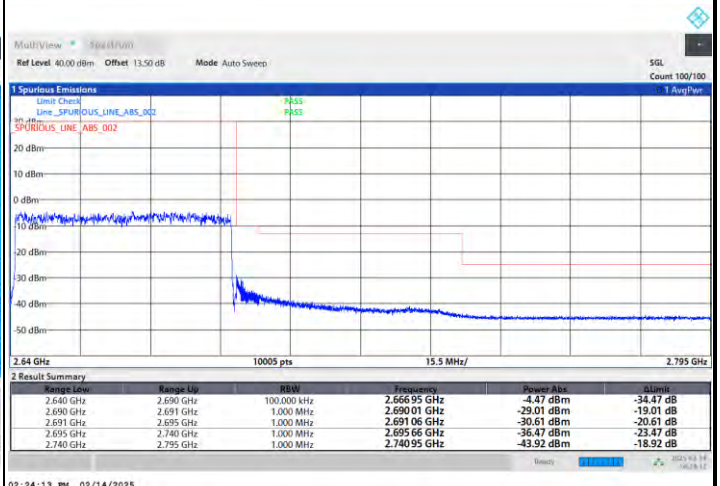


FR1 n41 / 50MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



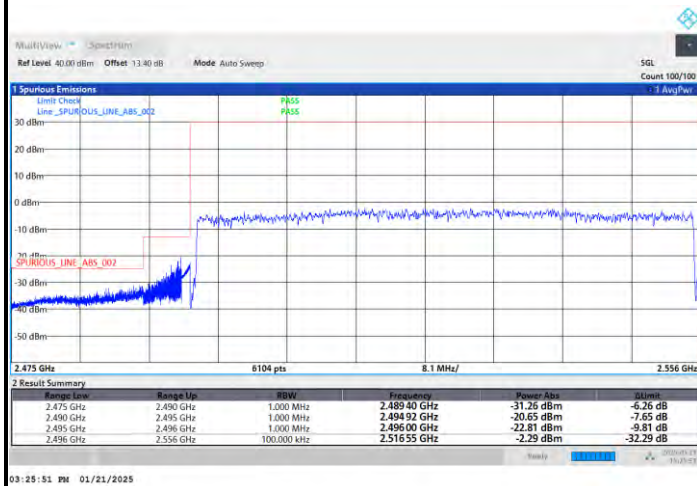
Highest Band Edge / Full RB



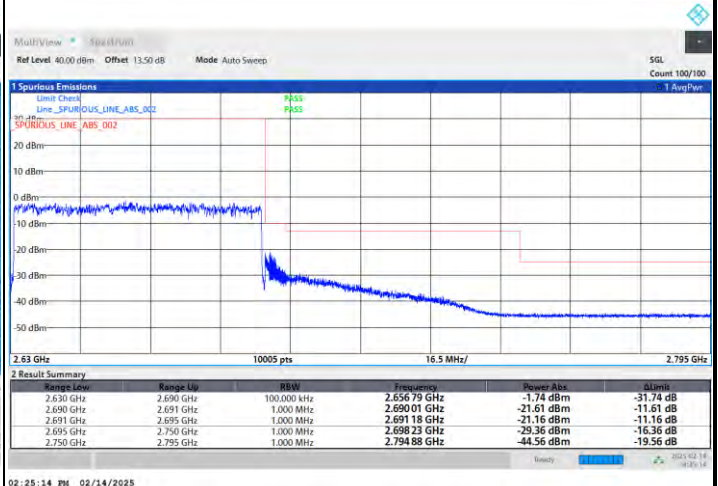


FR1 n41 / 60MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

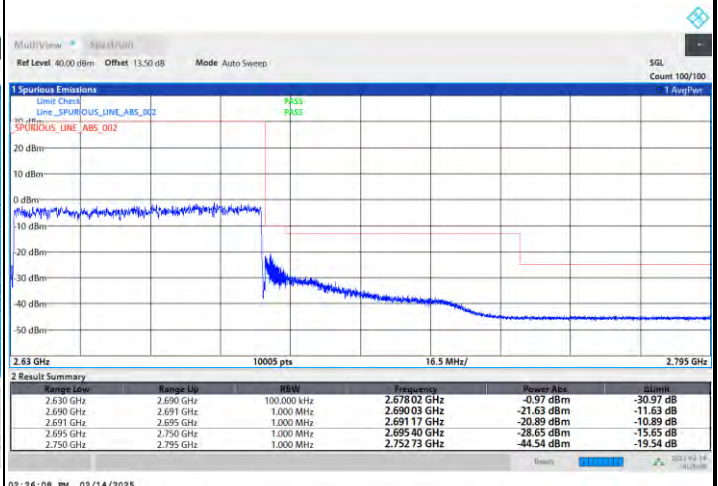


FR1 n41 / 60MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



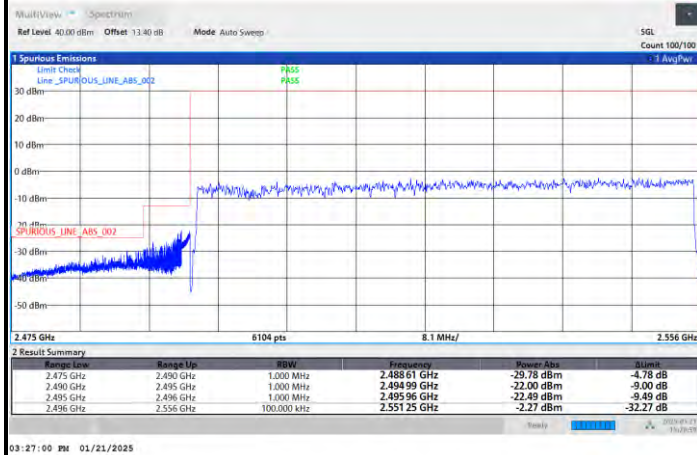
Highest Band Edge / Full RB



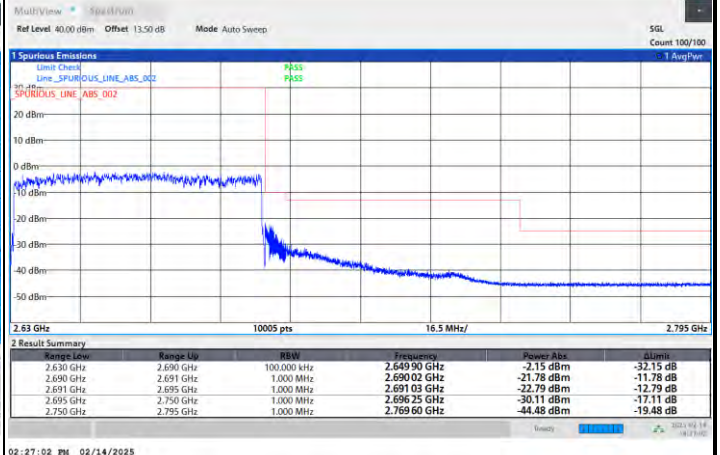


FR1 n41 / 60MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

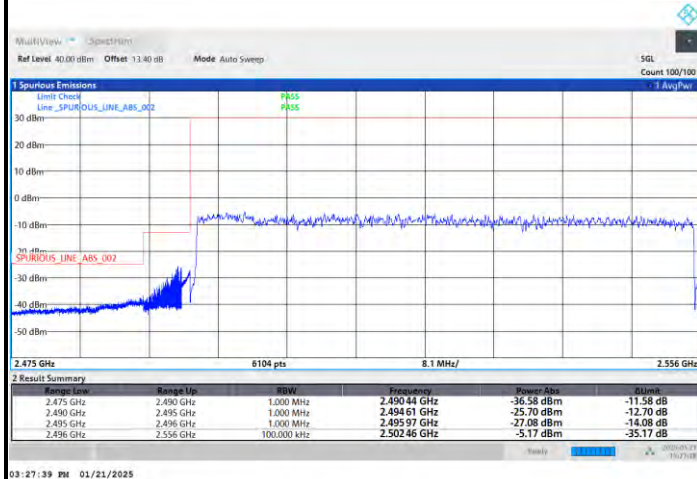


Highest Band Edge / Full RB

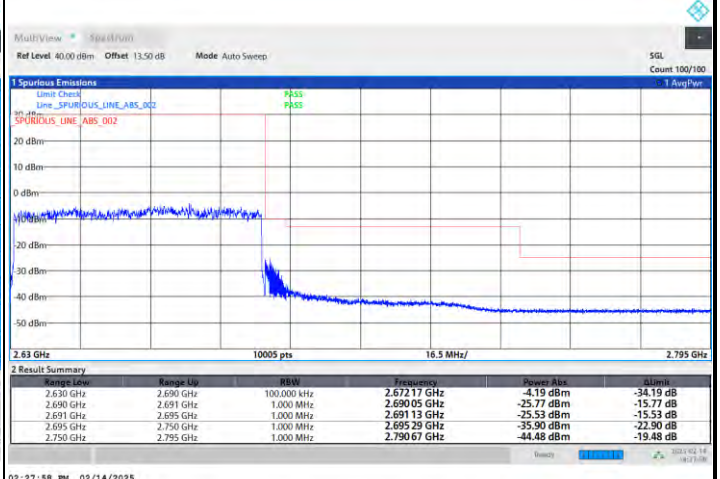


FR1 n41 / 60MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



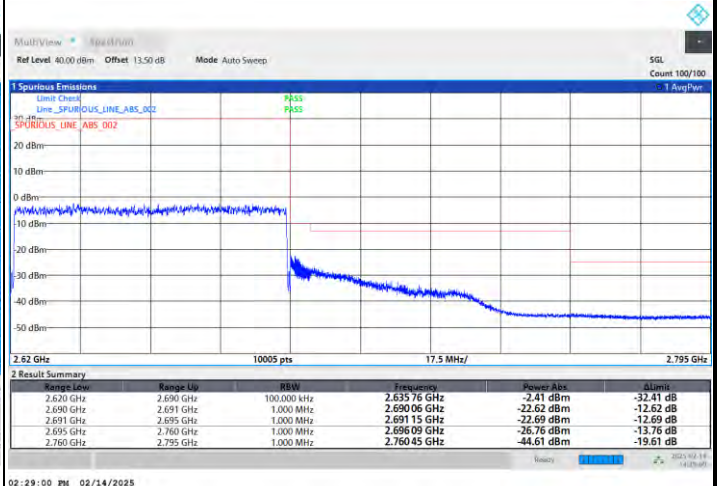


FR1 n41 / 70MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

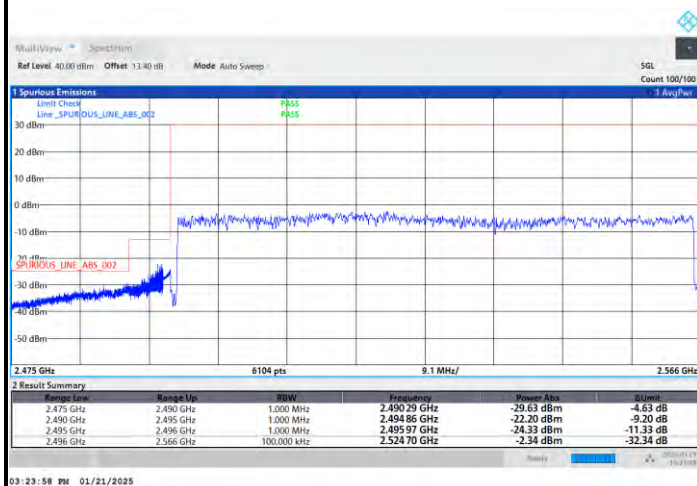


Highest Band Edge / Full RB

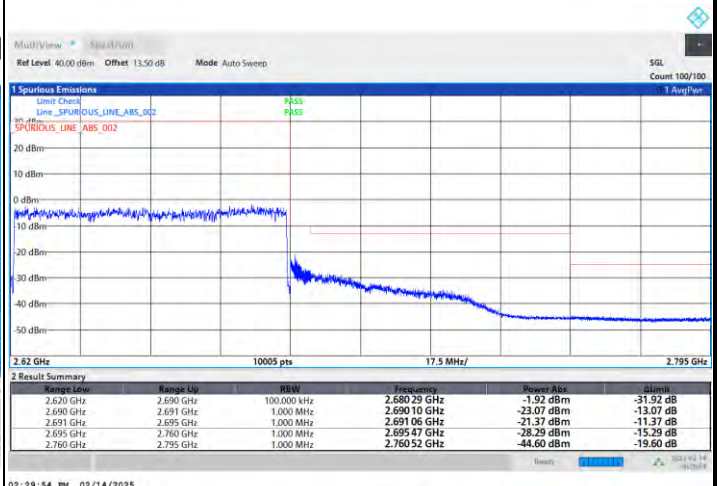


FR1 n41 / 70MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



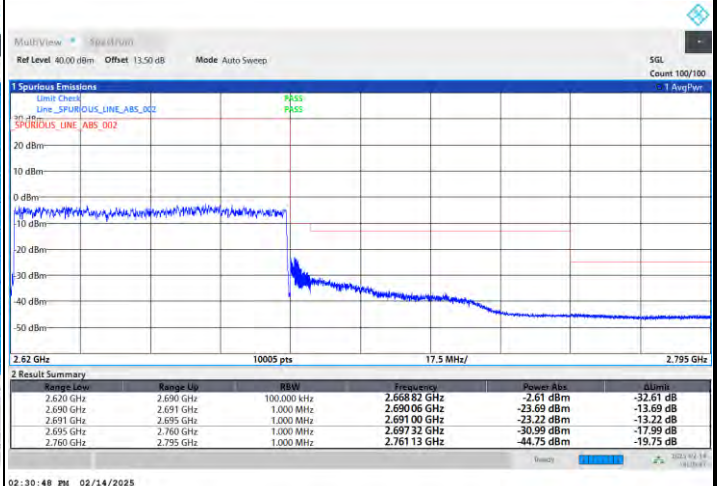


FR1 n41 / 70MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

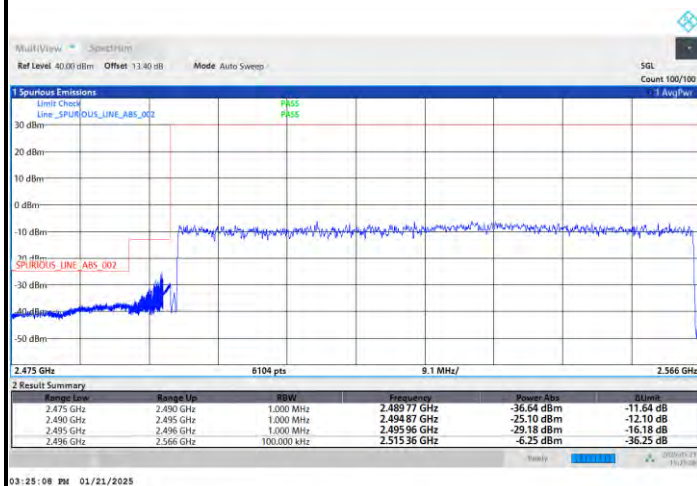


Highest Band Edge / Full RB

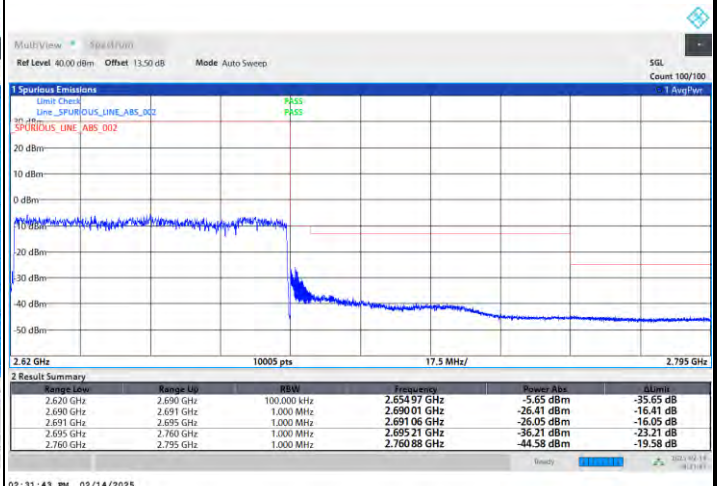


FR1 n41 / 70MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





FR1 n41 / 80MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



FR1 n41 / 80MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



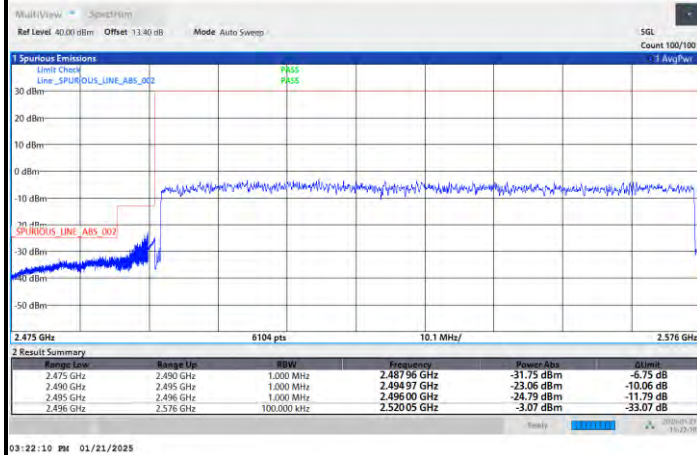
Highest Band Edge / Full RB





FR1 n41 / 80MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

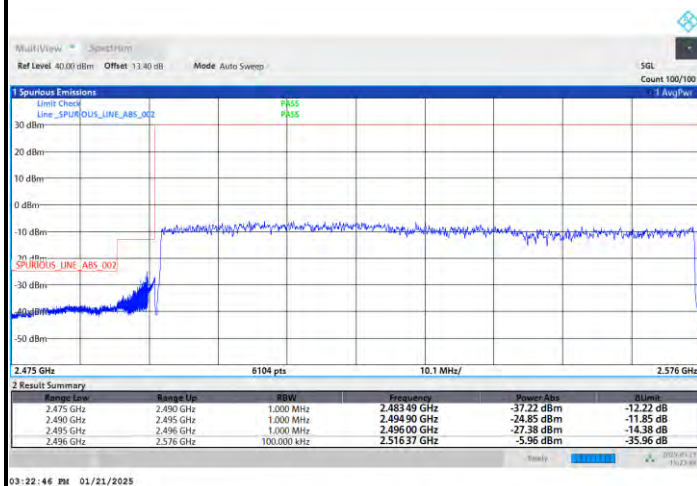


Highest Band Edge / Full RB

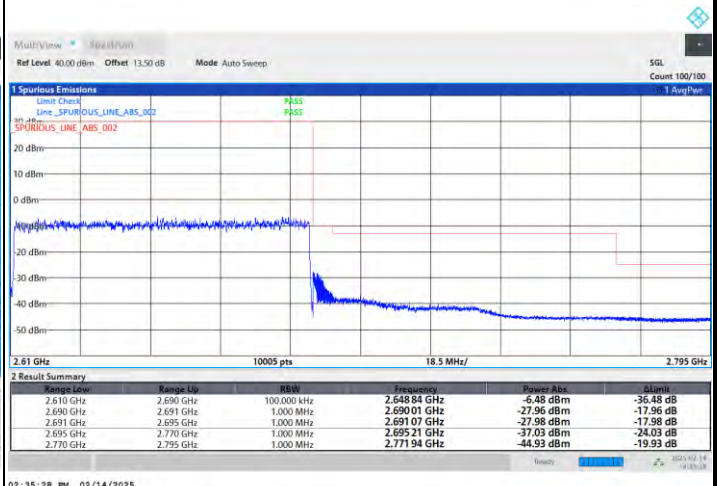


FR1 n41 / 80MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



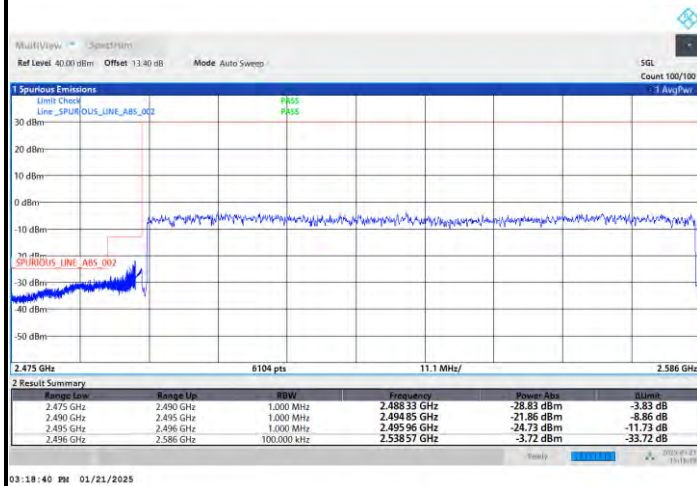
Highest Band Edge / Full RB





FR1 n41 / 90MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

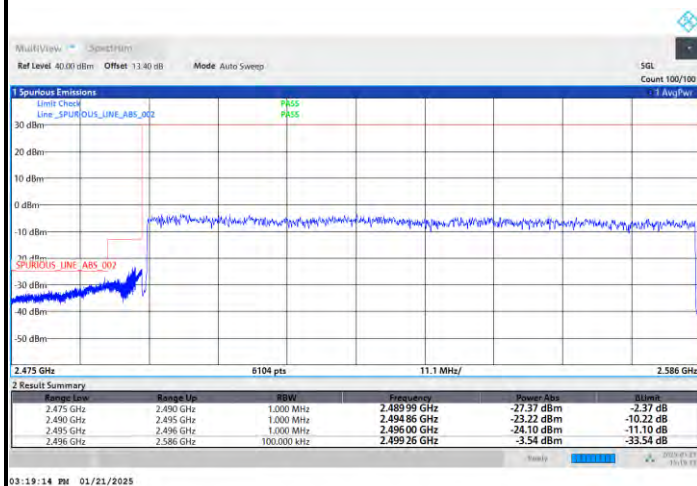


Highest Band Edge / Full RB



FR1 n41 / 90MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



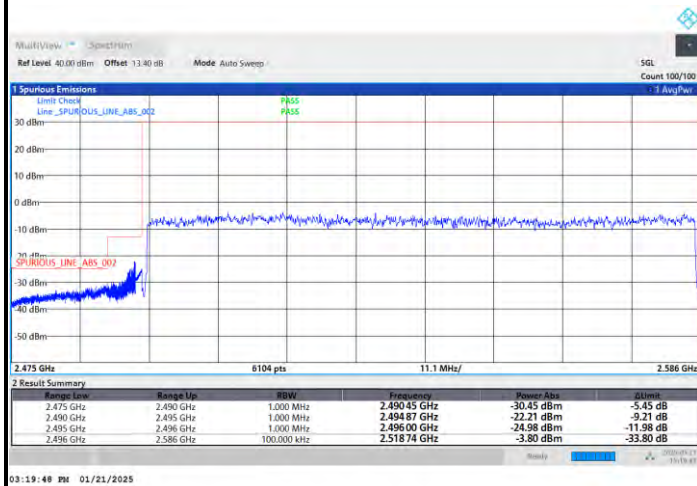
Highest Band Edge / Full RB





FR1 n41 / 90MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

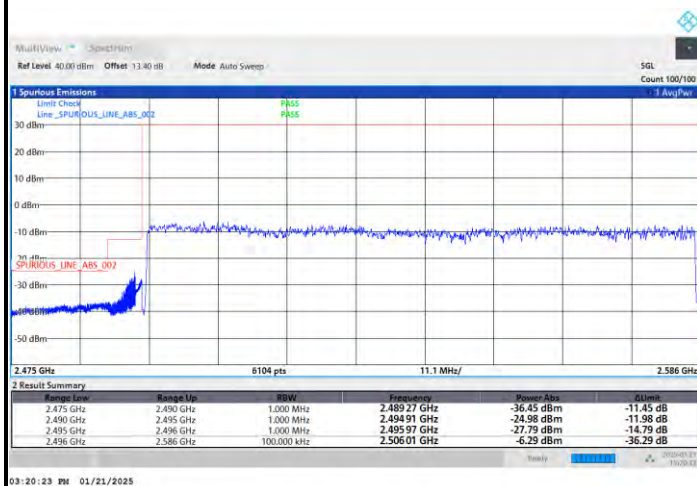


Highest Band Edge / Full RB

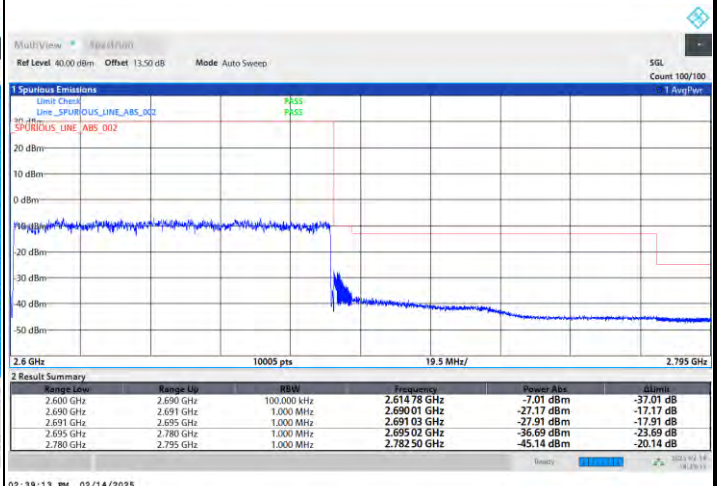


FR1 n41 / 90MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

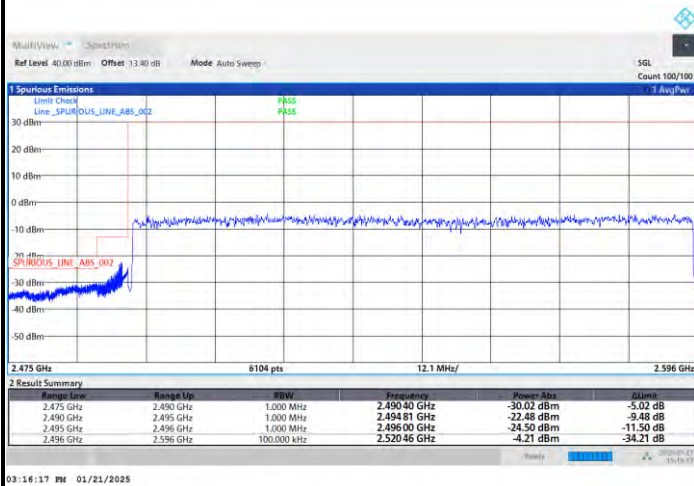




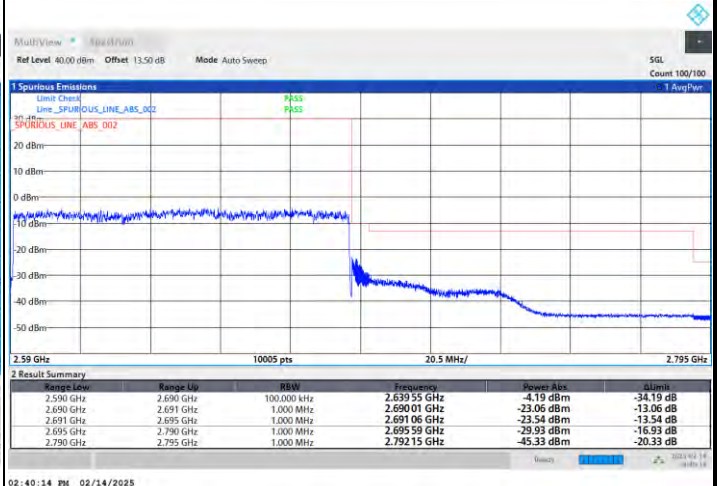
Report No. : FG4N0917C

FR1 n41 / 100MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

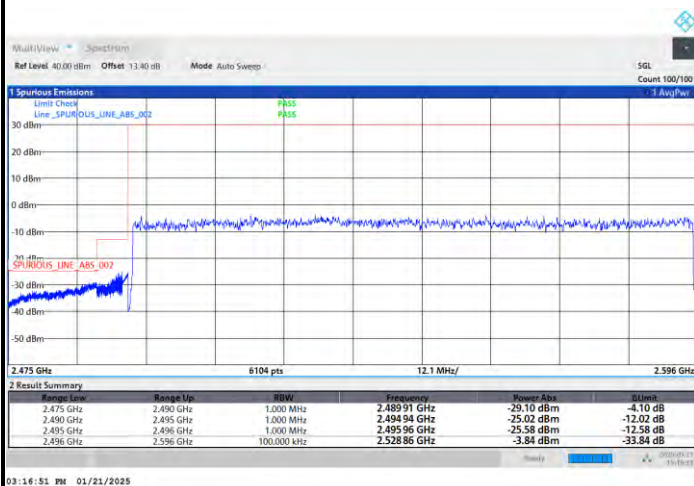


Highest Band Edge / Full RB

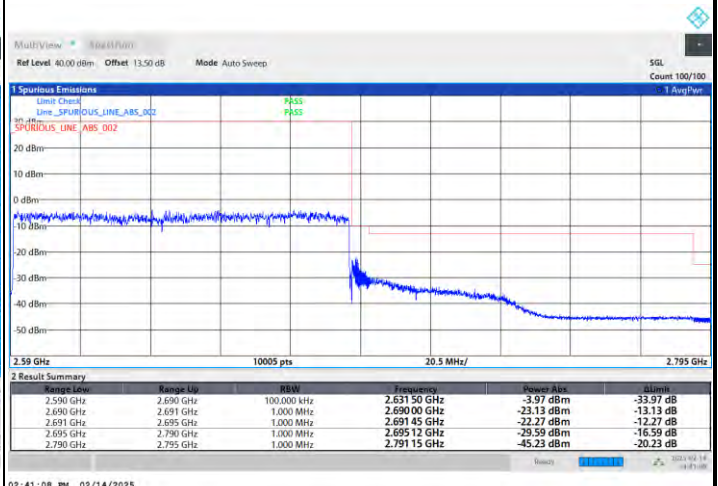


FR1 n41 / 100MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



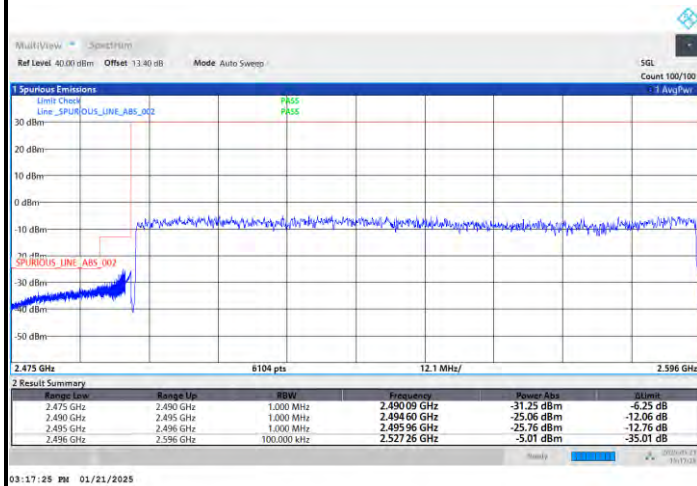
Highest Band Edge / Full RB





FR1 n41 / 100MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

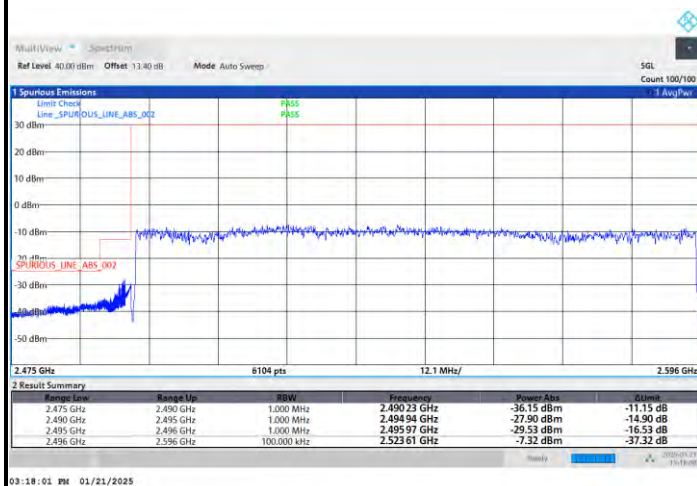


Highest Band Edge / Full RB

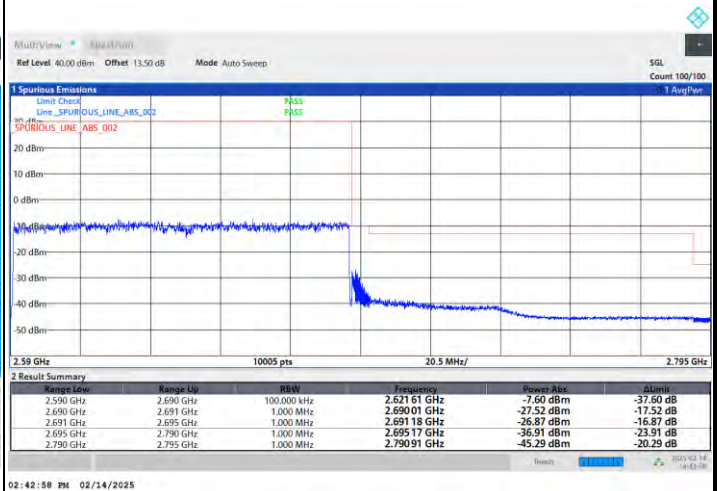


FR1 n41 / 100MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

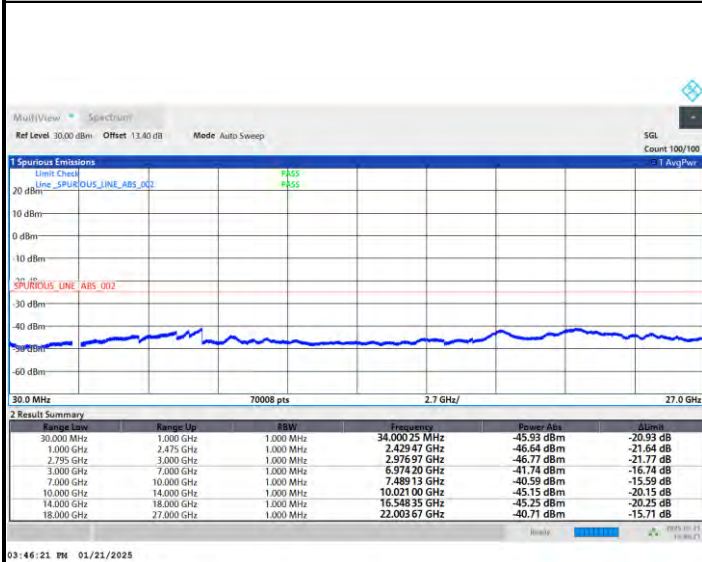




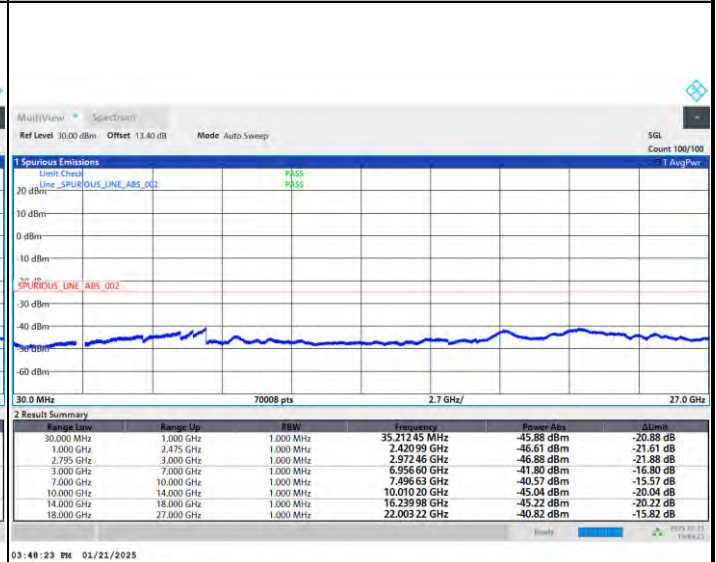
Conducted Spurious Emission

FR1 n41 / 10MHz / CP OFDM / QPSK / 1RB1

Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0058	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0157	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0180	
-20	Normal Voltage	0.0061	
-30	Normal Voltage	0.0040	
20	Maximum Voltage	0.0143	
20	Normal Voltage	0.0073	
20	Minimum Voltage	0.0178	

Note:

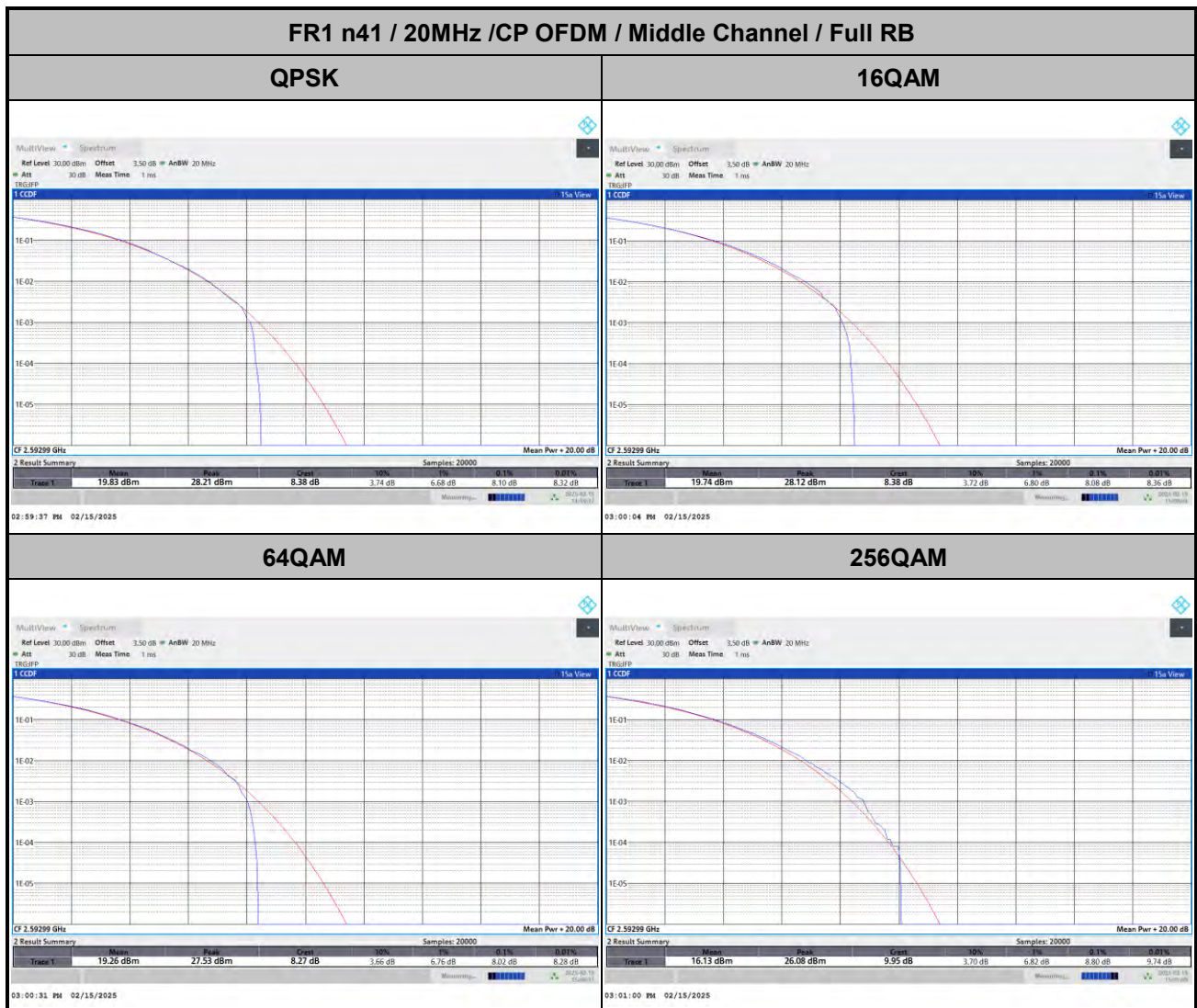
1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



MIMO <Ant. 2+1> (Ant. 1)

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	8.08	8.02	8.80	PASS



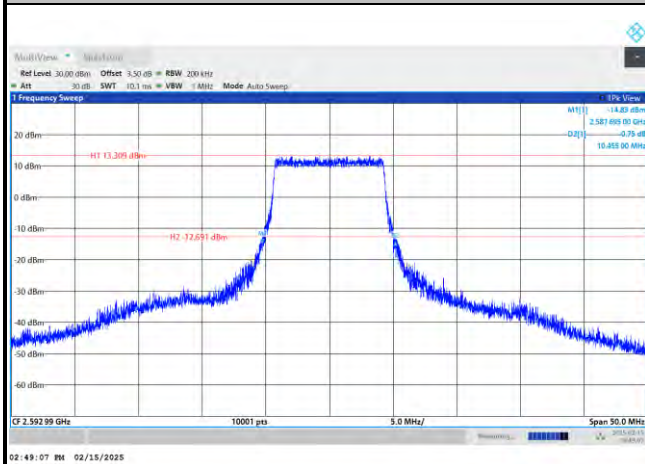
**26dB Bandwidth**

Mode	FR1 n41 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	10.45	10.30	15.64	15.39	20.42	20.30	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	10.31	10.30	15.36	15.34	20.43	20.66	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	31.11	30.91	42.93	42.60	52.59	52.55	67.08	69.40
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	30.96	30.89	42.46	42.38	52.93	52.66	67.65	68.02
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	76.58	76.31	84.53	84.36	96.78	97.10	107.04	106.00
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	77.72	76.95	84.49	84.58	96.85	98.25	106.37	105.54

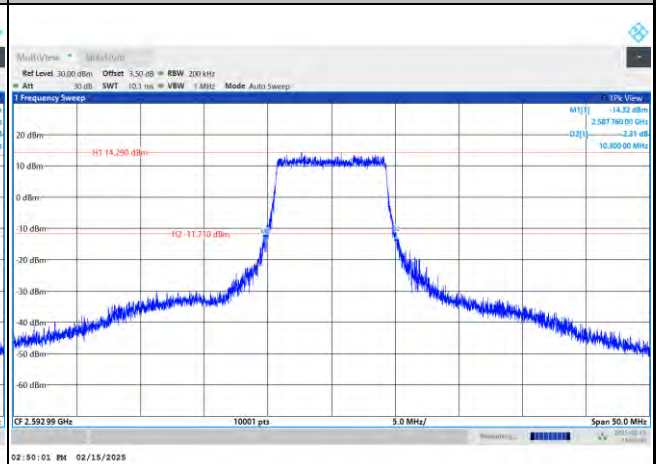


FR1 n41 / 10MHz / CP OFDM / Middle Channel / Full RB

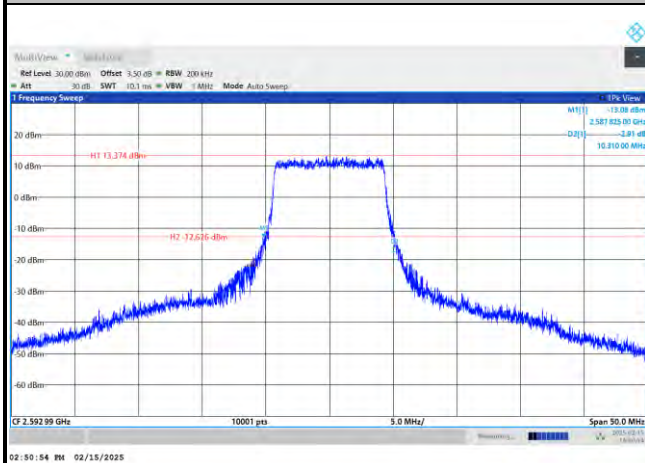
QPSK



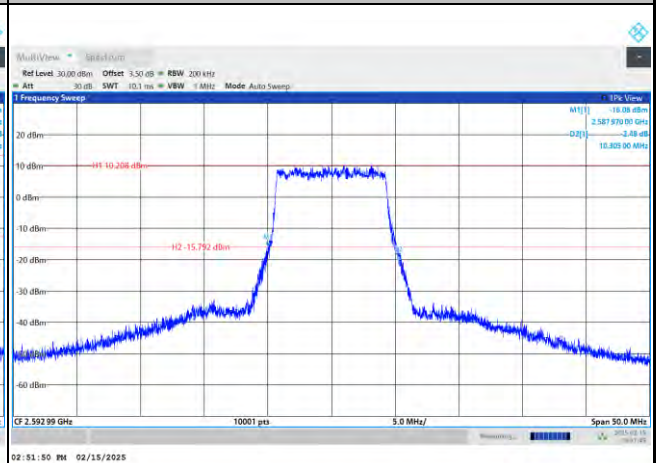
16QAM



64QAM



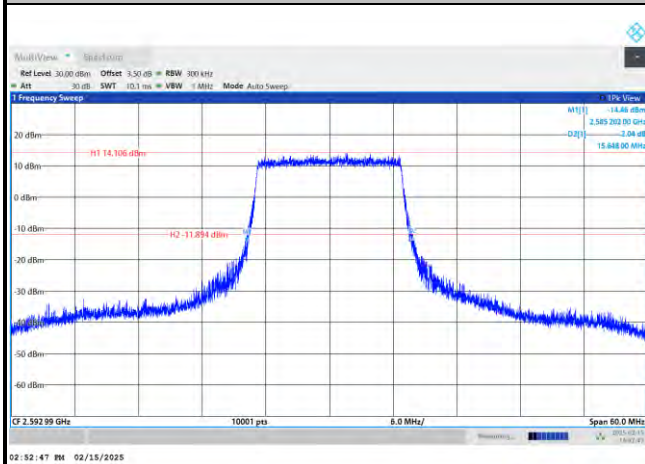
256QAM



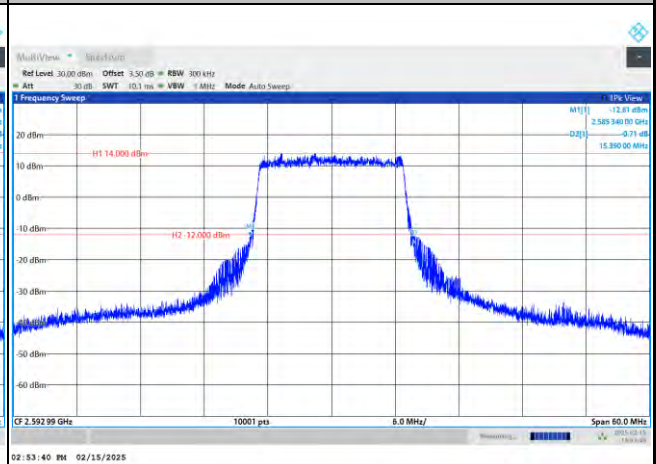


FR1 n41 / 15MHz / CP OFDM / Middle Channel / Full RB

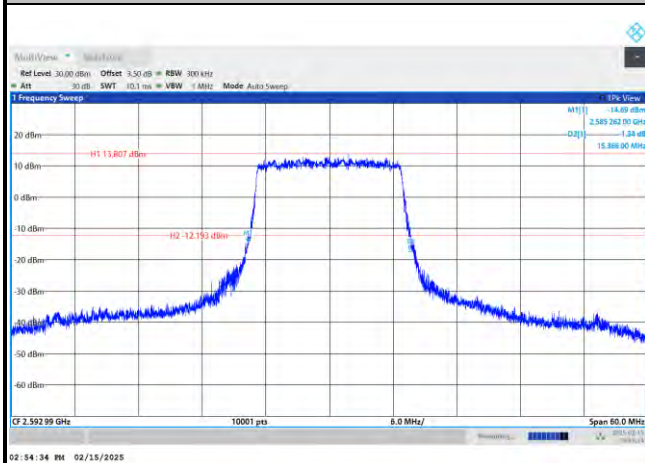
QPSK



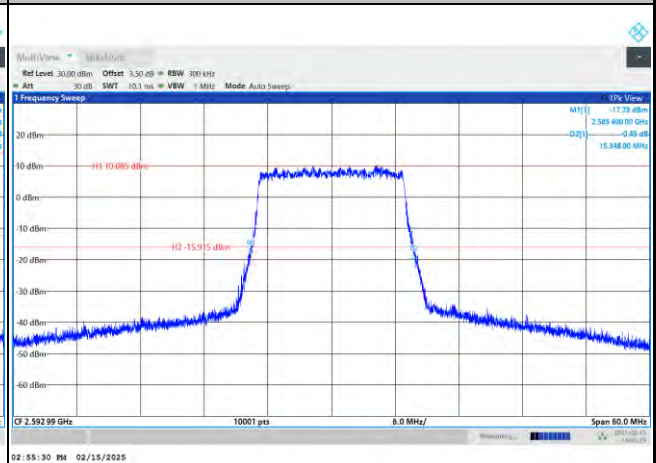
16QAM



64QAM



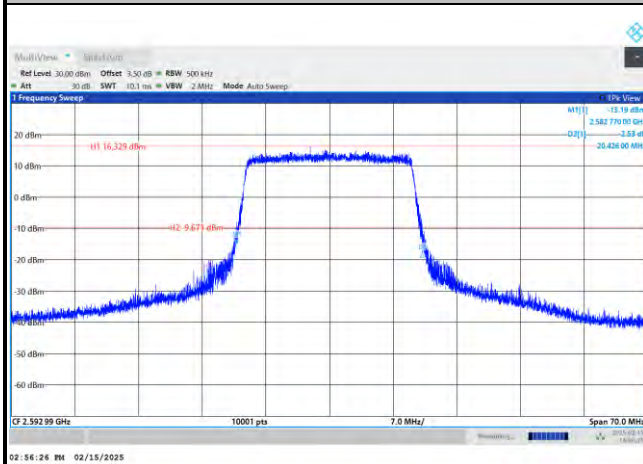
256QAM



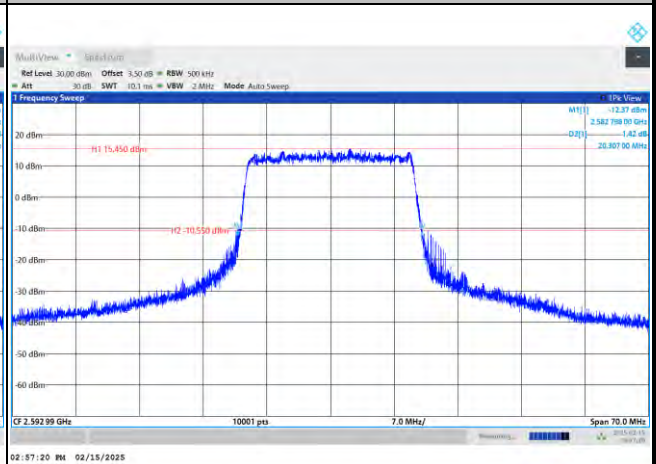


FR1 n41 / 20MHz / CP OFDM / Middle Channel / Full RB

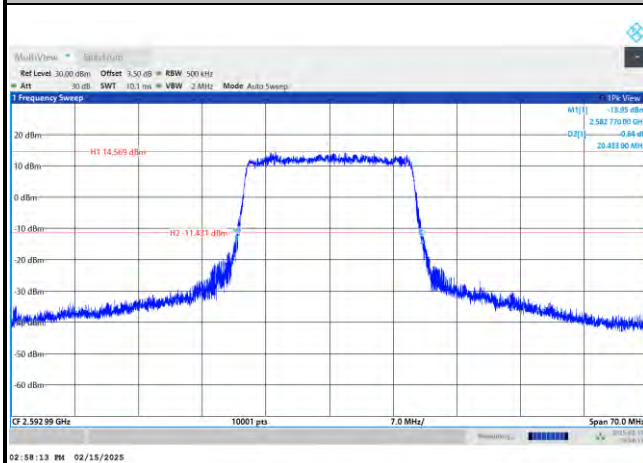
QPSK



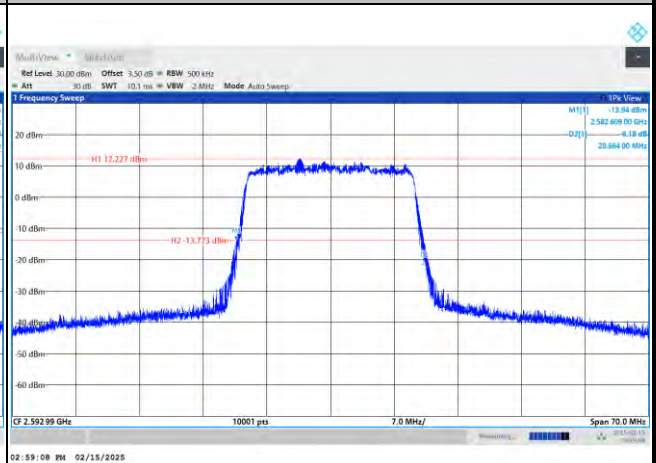
16QAM



64QAM



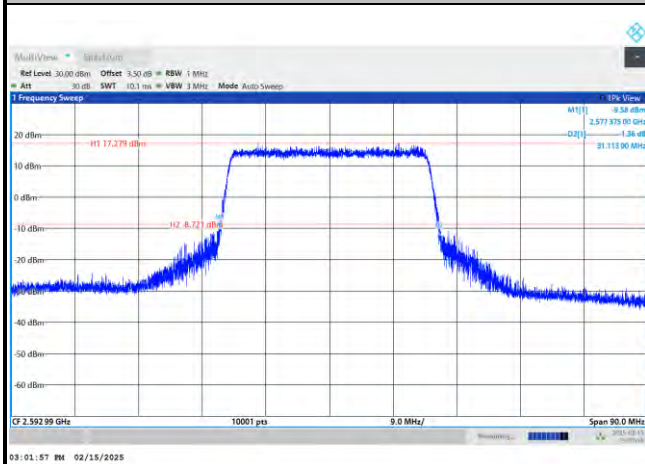
256QAM





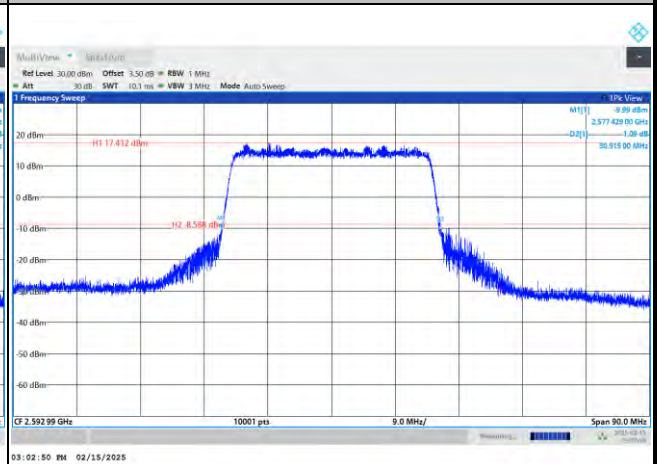
FR1 n41 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



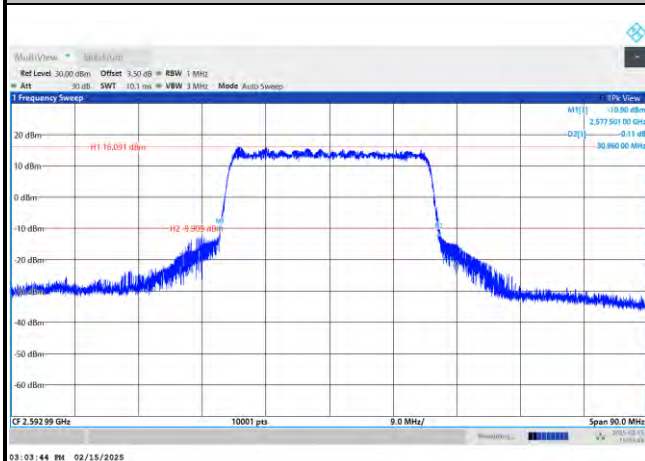
03:01:57 PM 02/15/2025

16QAM



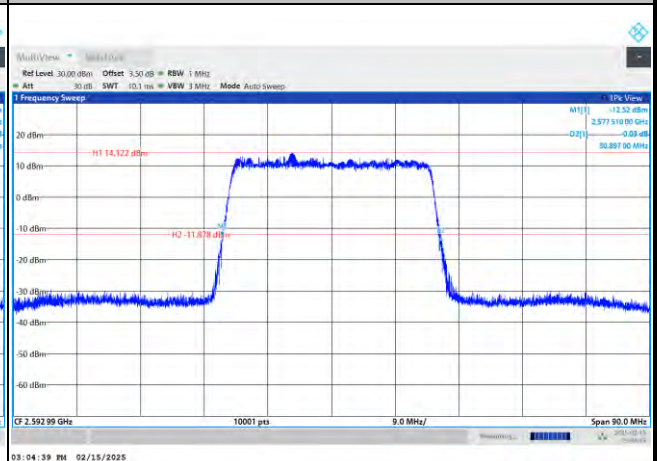
03:02:50 PM 02/15/2025

64QAM



03:03:44 PM 02/15/2025

256QAM

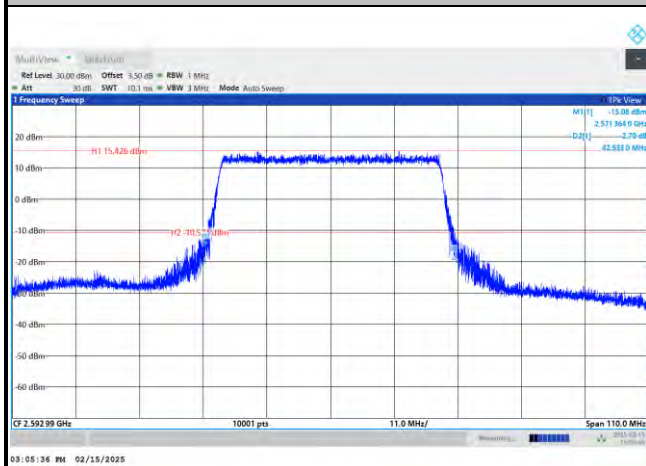


03:04:39 PM 02/15/2025

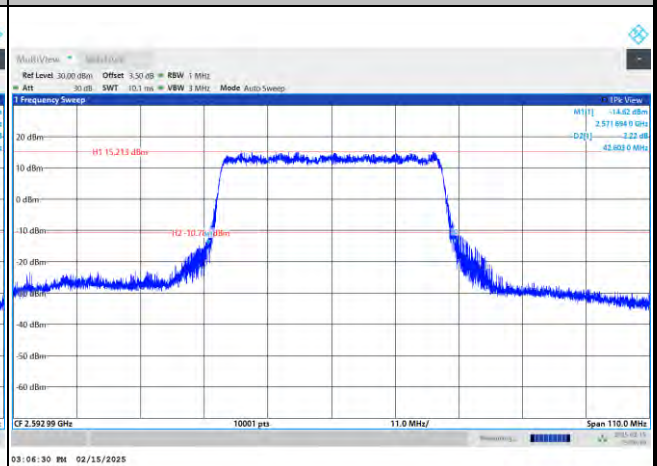


FR1 n41 / 40MHz / CP OFDM / Middle Channel / Full RB

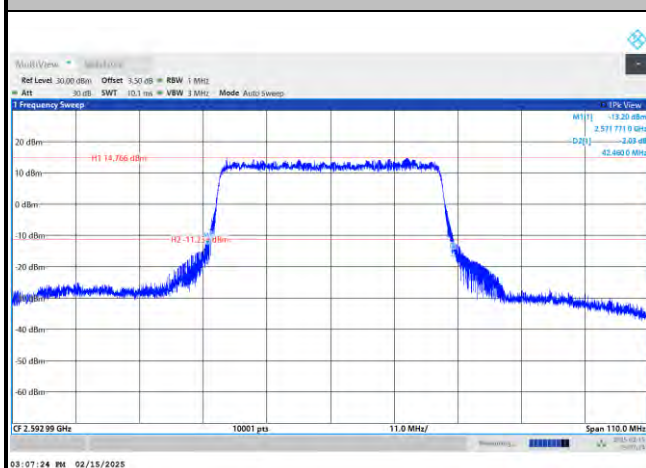
QPSK



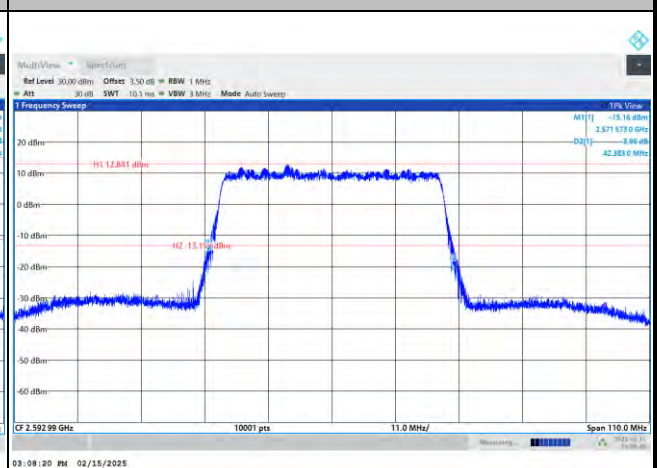
16QAM



64QAM



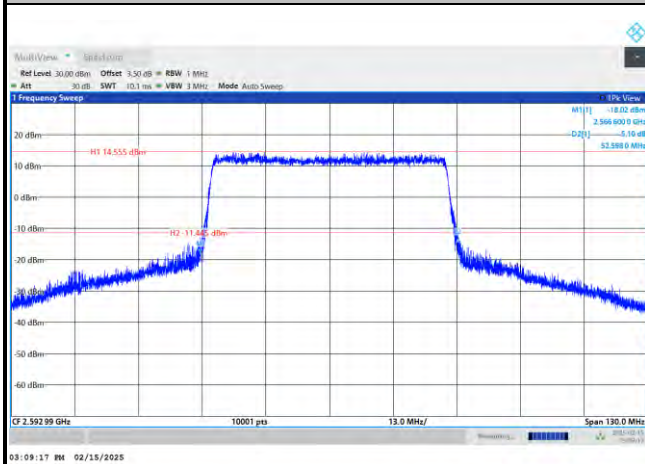
256QAM



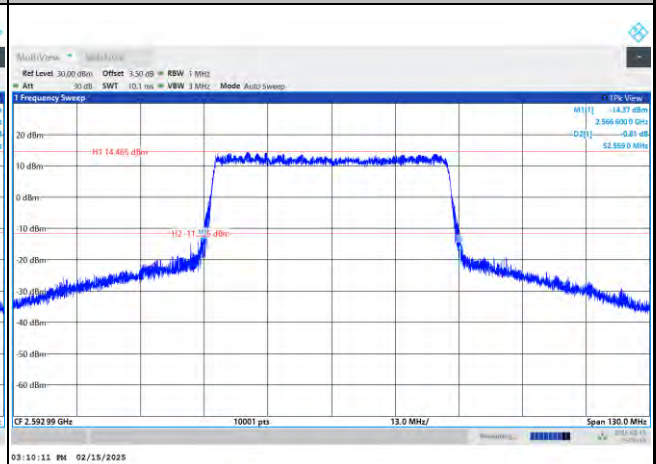


FR1 n41 / 50MHz / CP OFDM / Middle Channel / Full RB

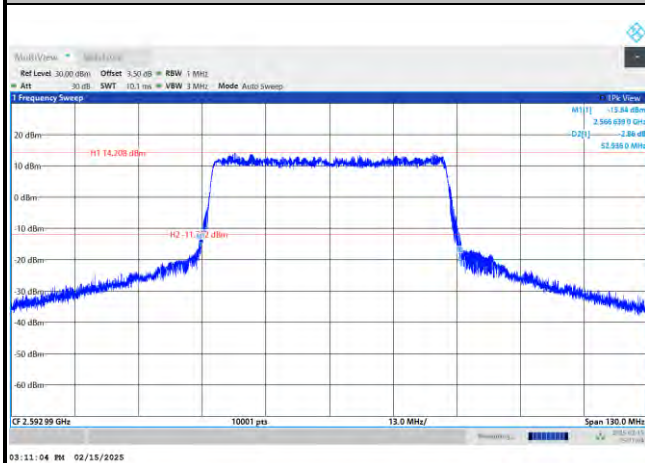
QPSK



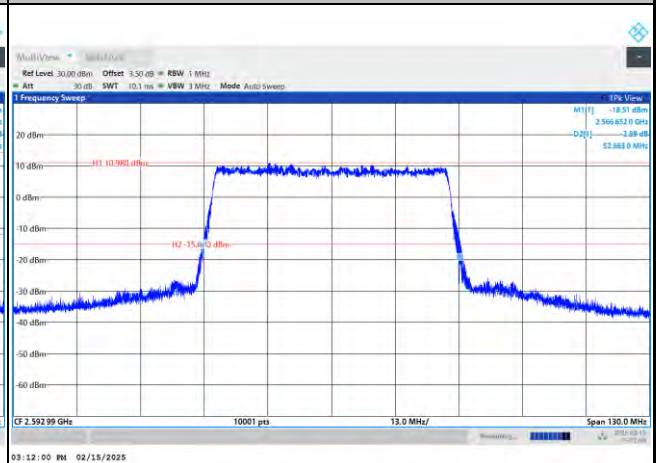
16QAM

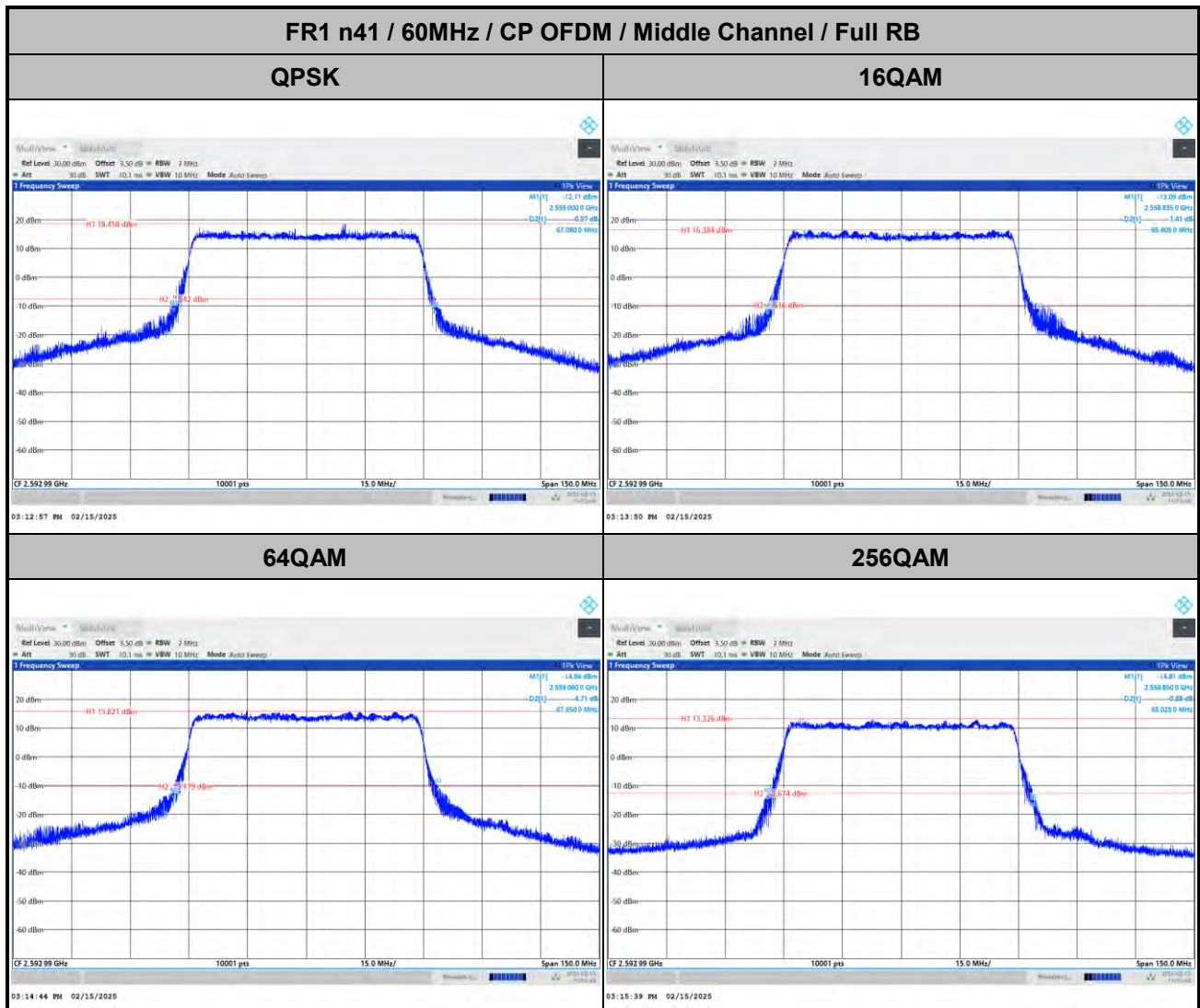


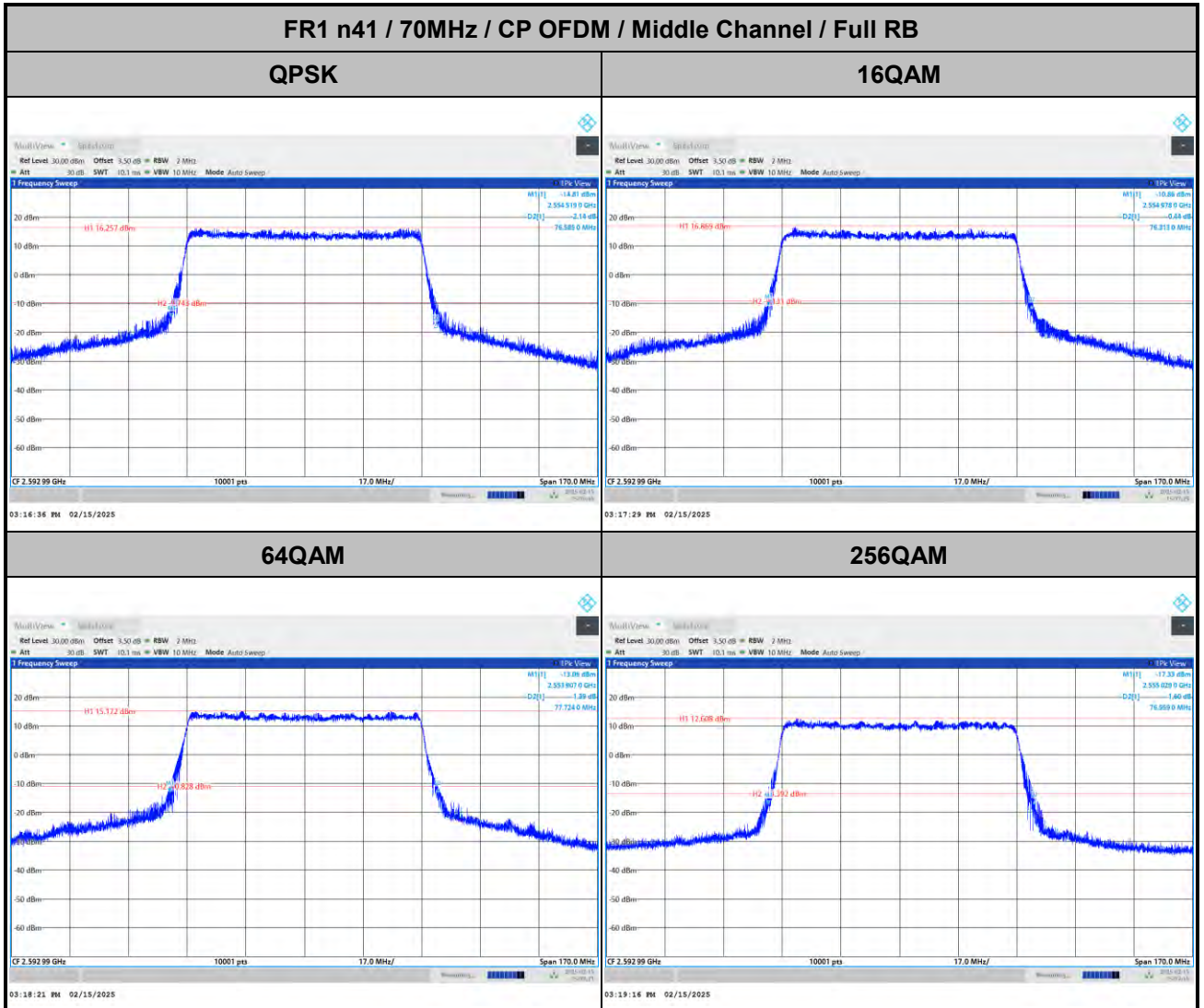
64QAM



256QAM



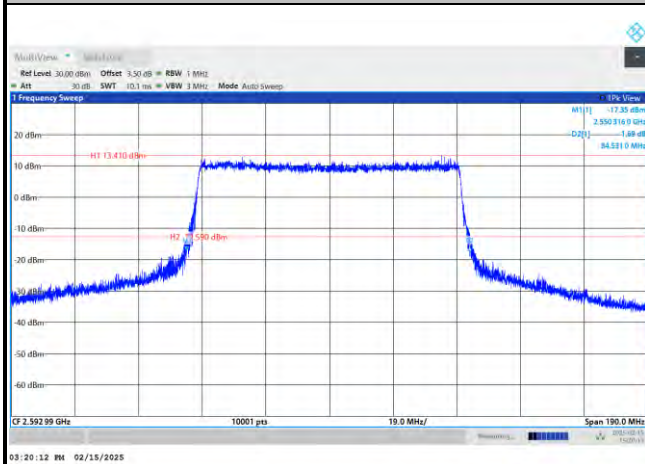




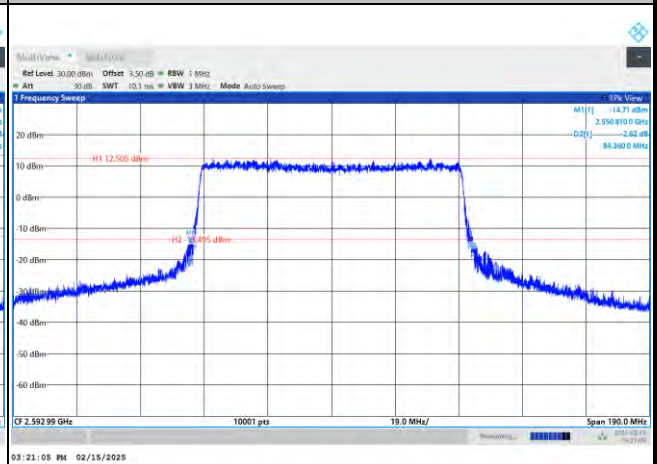


FR1 n41 / 80MHz / CP OFDM / Middle Channel / Full RB

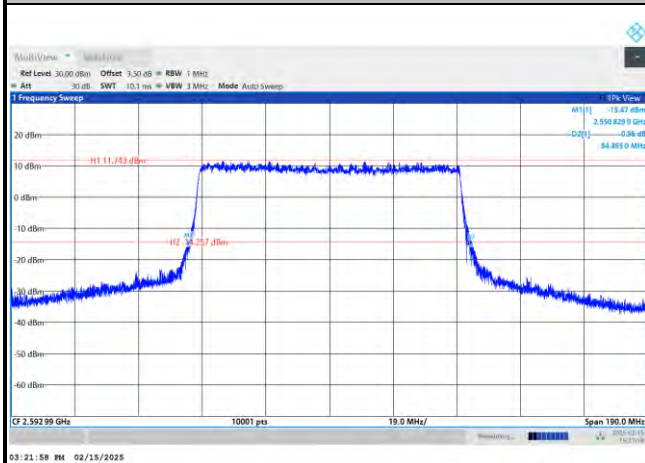
QPSK



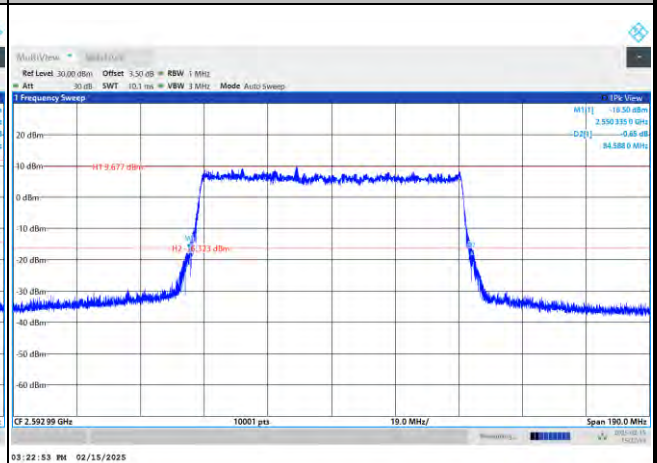
16QAM



64QAM



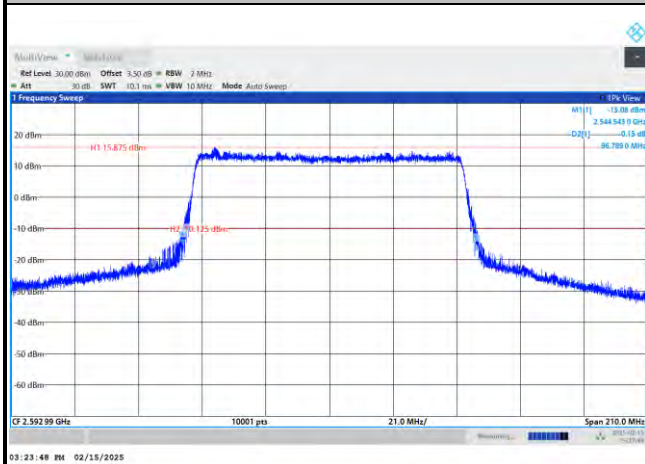
256QAM



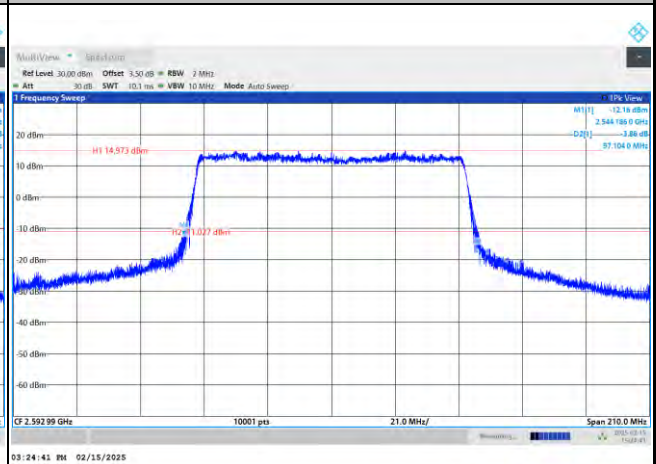


FR1 n41 / 90MHz / CP OFDM / Middle Channel / Full RB

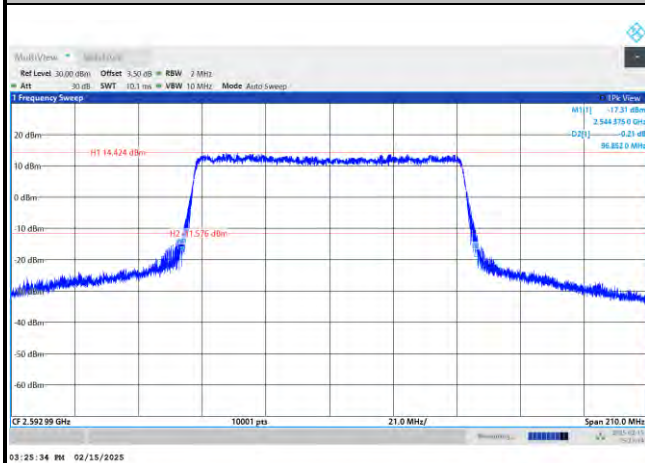
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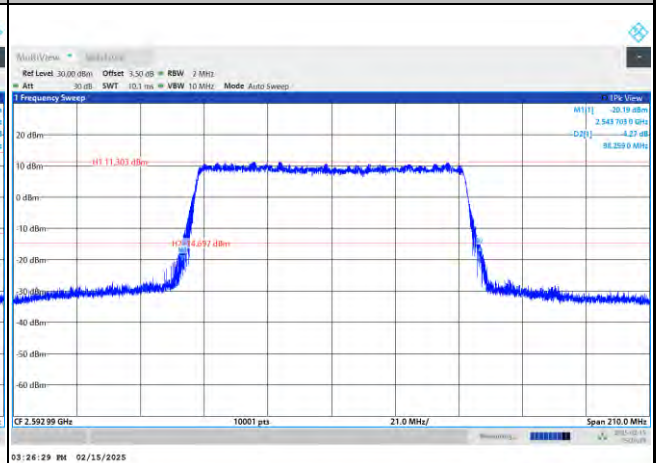
16QAM



64QAM



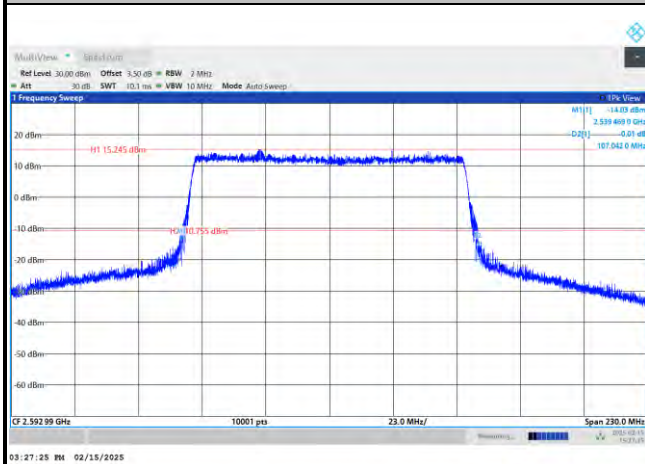
256QAM



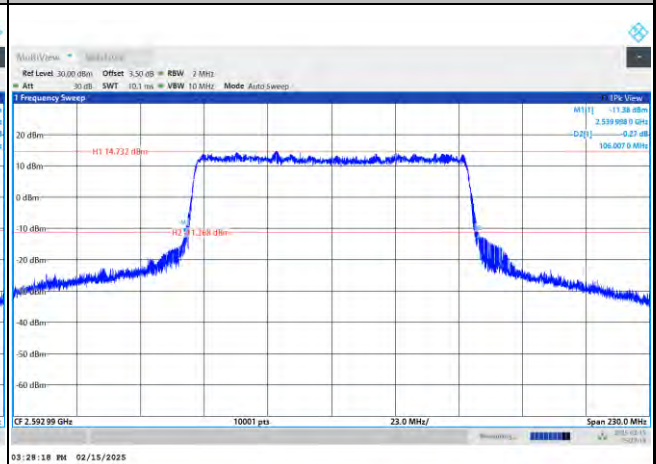


FR1 n41 / 100MHz / CP OFDM / Middle Channel / Full RB

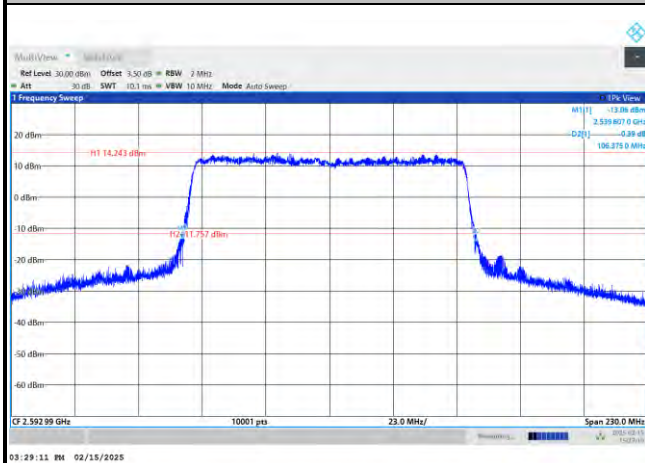
QPSK



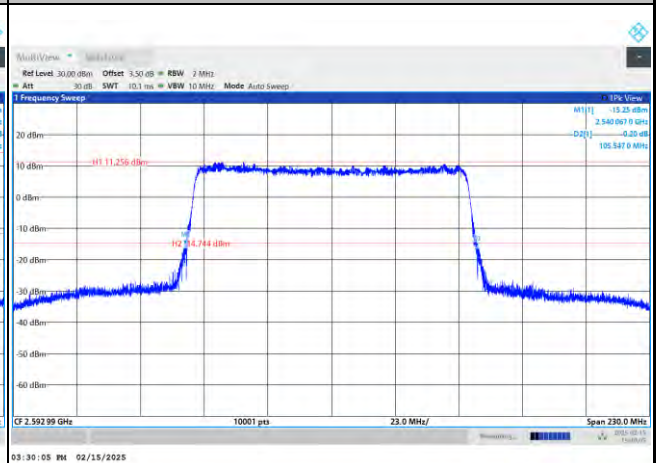
16QAM



64QAM



256QAM



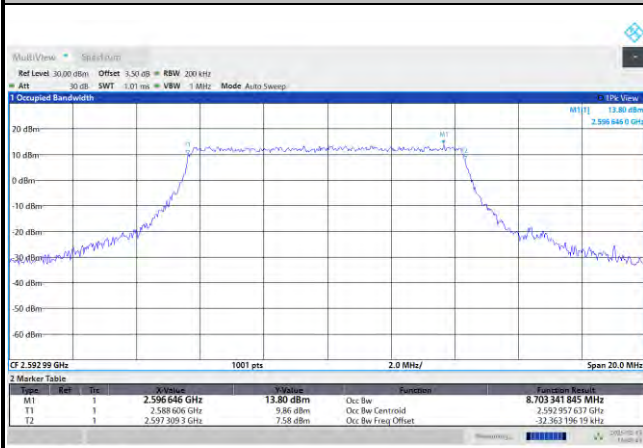
**Occupied Bandwidth**

Mode	FR1 n41 : OB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.70	8.67	13.64	13.63	18.31	18.29	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.70	8.66	13.66	13.63	18.31	18.43	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	28.21	28.13	38.14	38.16	47.70	47.71	58.84	58.59
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	28.29	28.19	38.06	38.02	47.68	47.76	58.66	58.89
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	68.31	68.50	78.30	77.96	88.02	88.04	97.89	97.97
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	68.36	68.13	78.24	78.37	88.09	88.31	97.97	97.73

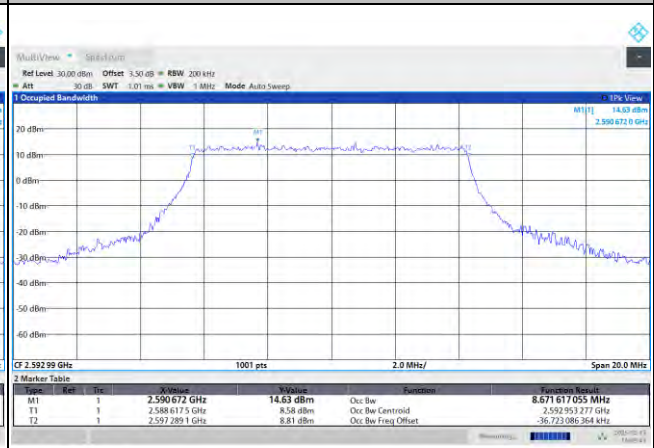


FR1 n41 / 10MHz / CP OFDM / Middle Channel / Full RB

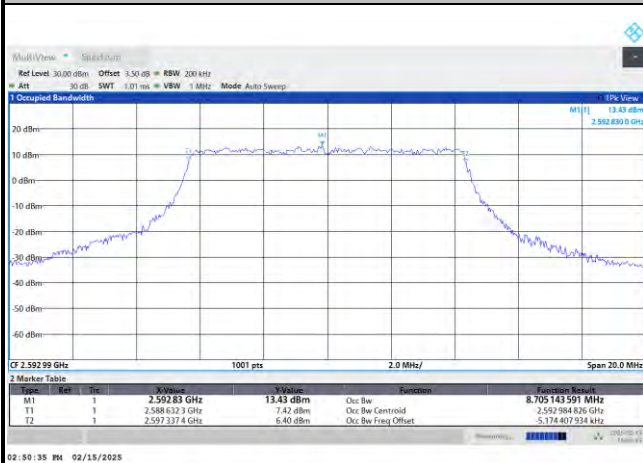
QPSK



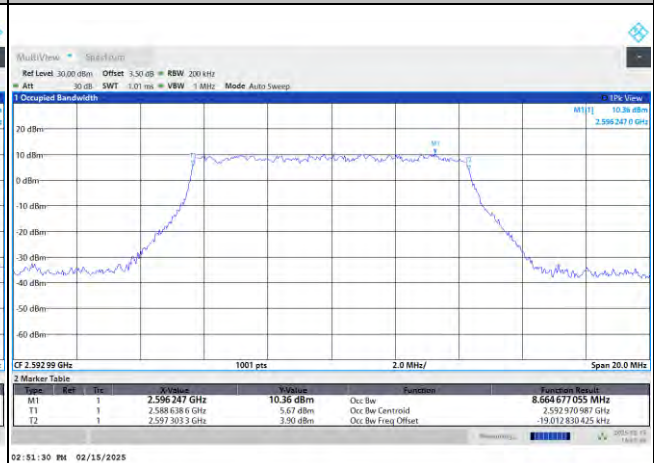
16QAM



64QAM



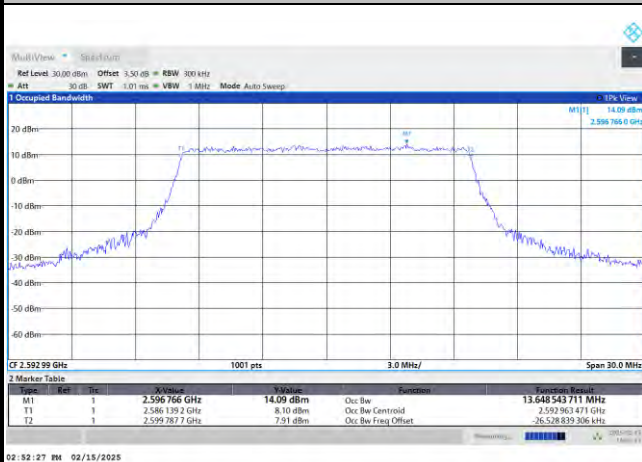
256QAM



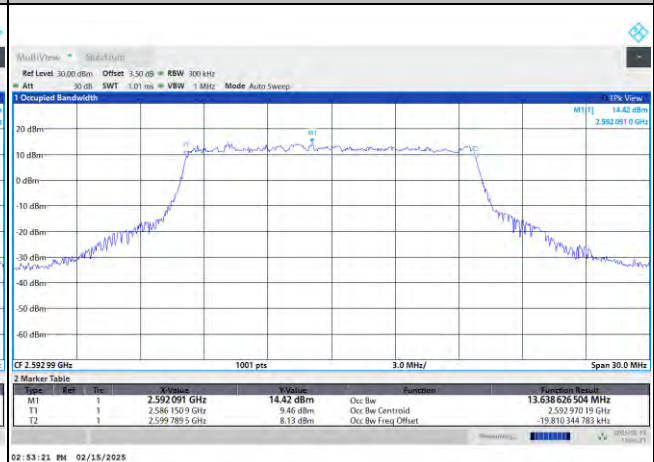


FR1 n41 / 15MHz / CP OFDM / Middle Channel / Full RB

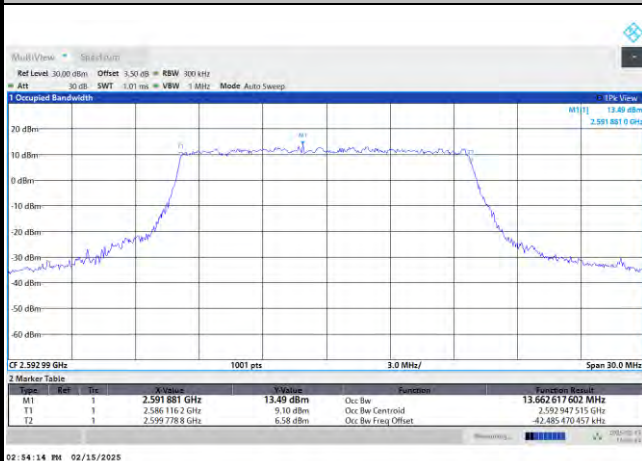
QPSK



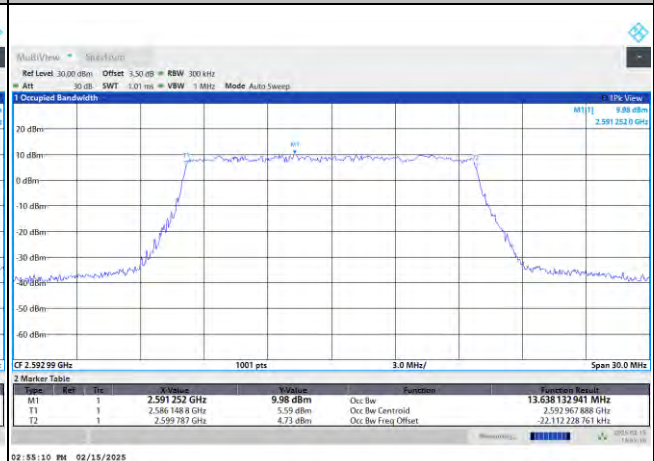
16QAM



64QAM



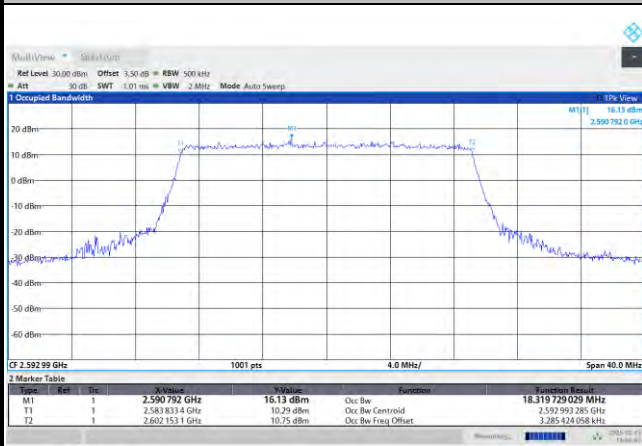
256QAM



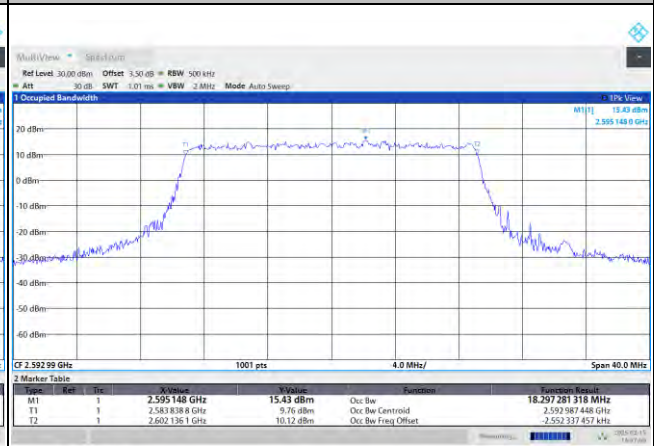


FR1 n41 / 20MHz / CP OFDM / Middle Channel / Full RB

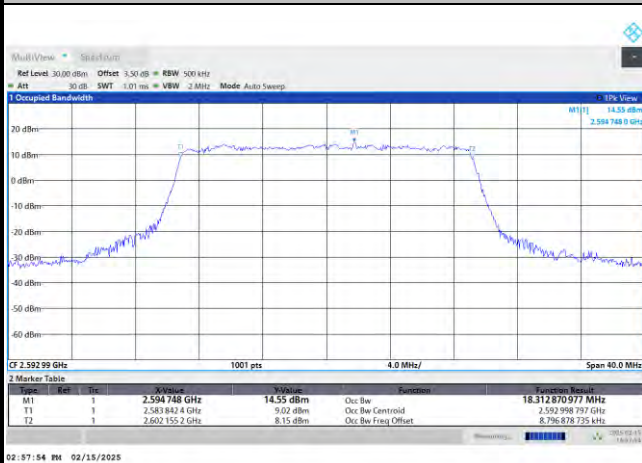
QPSK



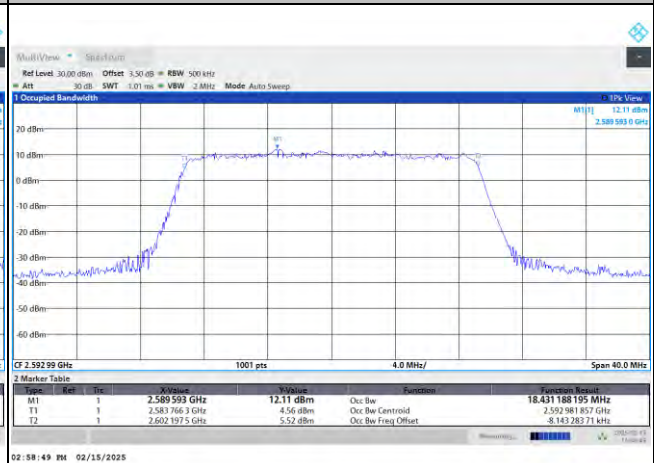
16QAM



64QAM



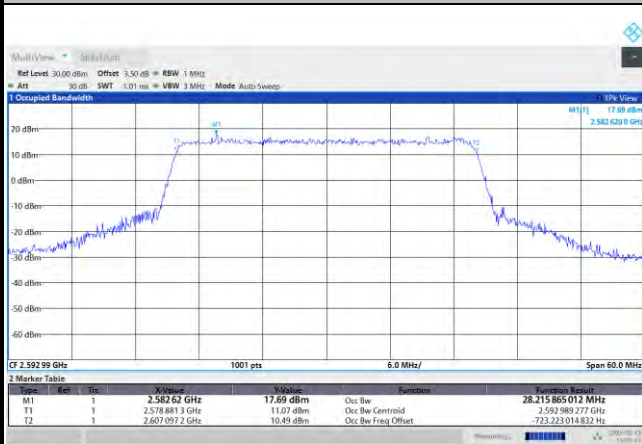
256QAM





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

QPSK



03:01:37 PM 02/15/2025

16QAM



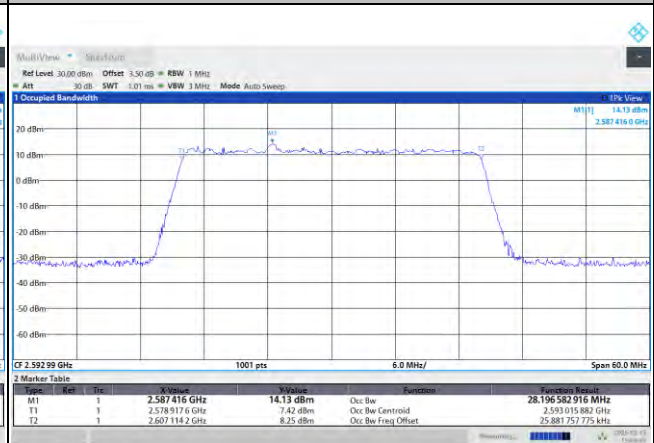
03:02:31 PM 02/15/2025

64QAM



03:03:24 PM 02/15/2025

256QAM

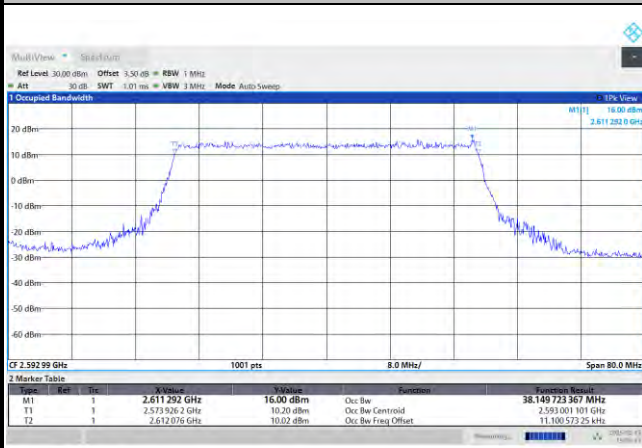


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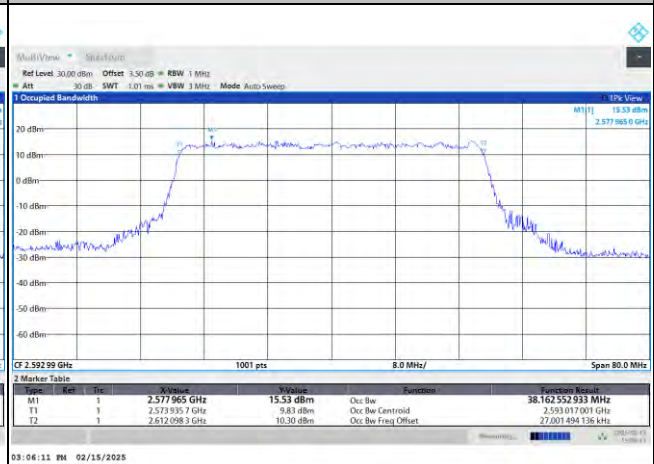


FR1 n41 / 40MHz / CP OFDM / Middle Channel / Full RB

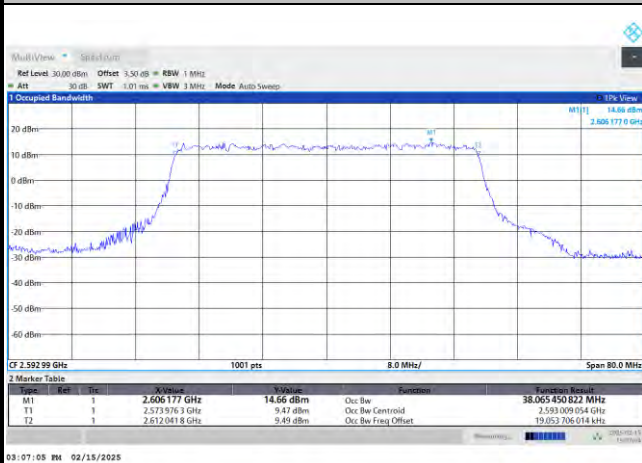
QPSK



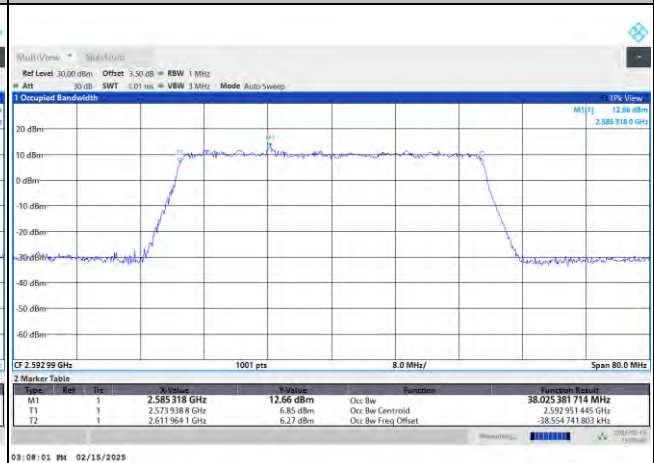
16QAM



64QAM



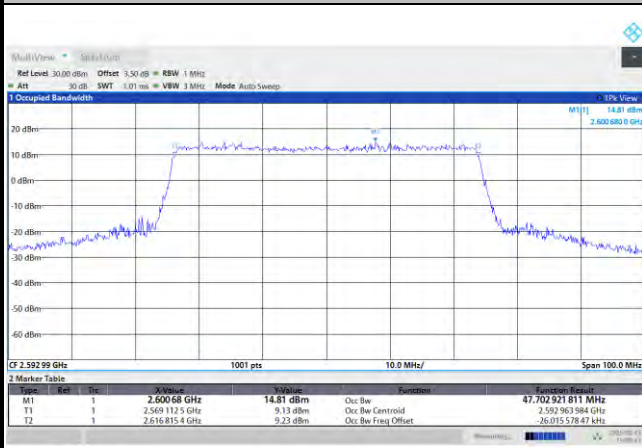
256QAM



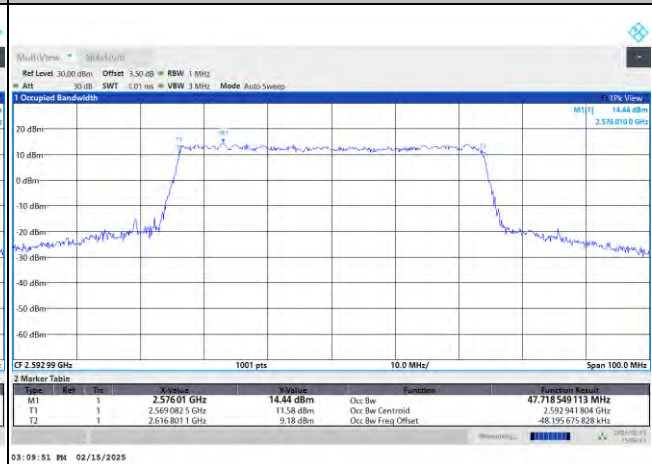


FR1 n41 / 50MHz / CP OFDM / Middle Channel / Full RB

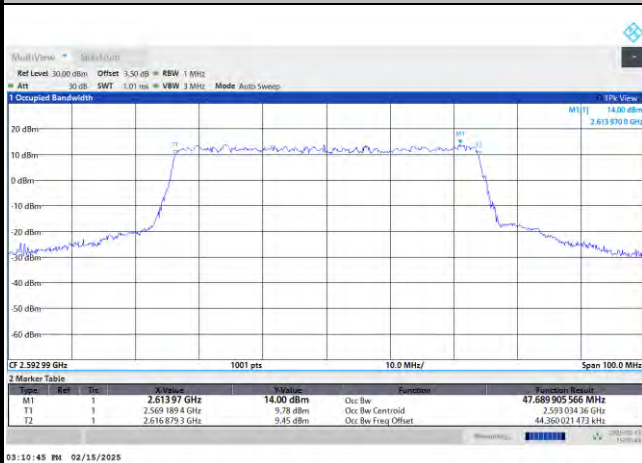
QPSK



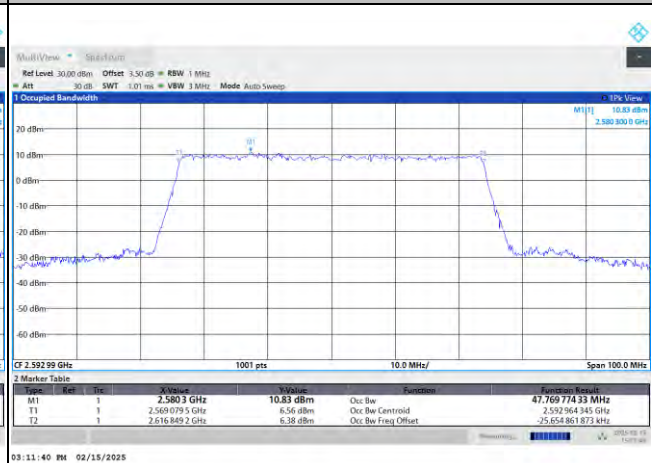
16QAM



64QAM



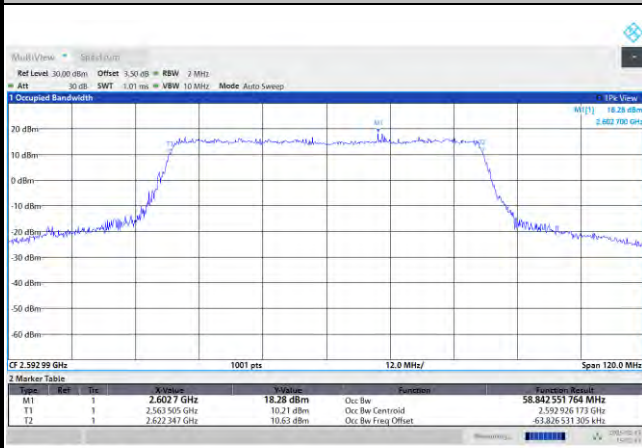
256QAM



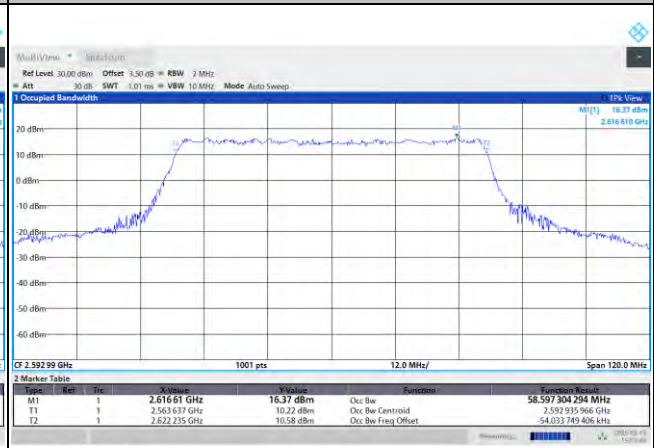


FR1 n41 / 60MHz / CP OFDM / Middle Channel / Full RB

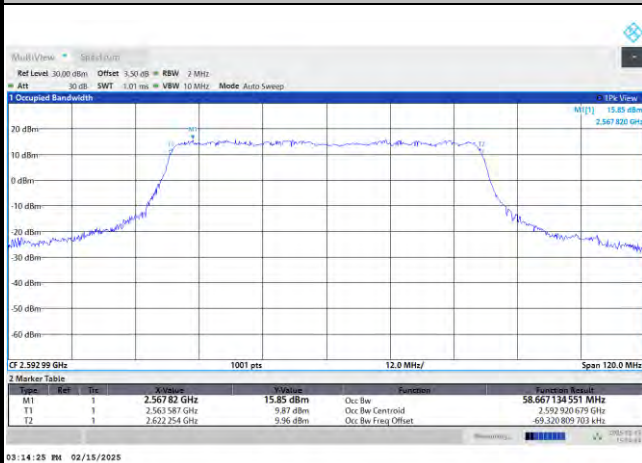
QPSK



16QAM



64QAM

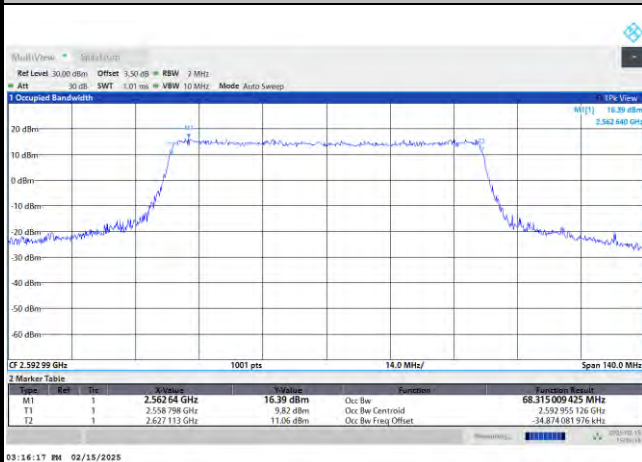


256QAM



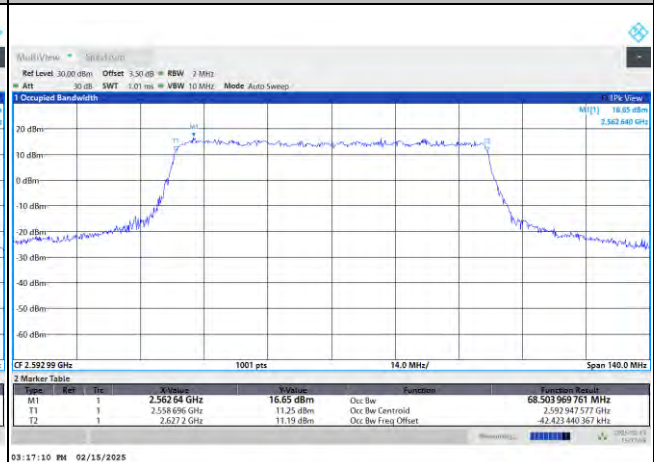
FR1 n41 / 70MHz / CP OFDM / Middle Channel / Full RB

QPSK



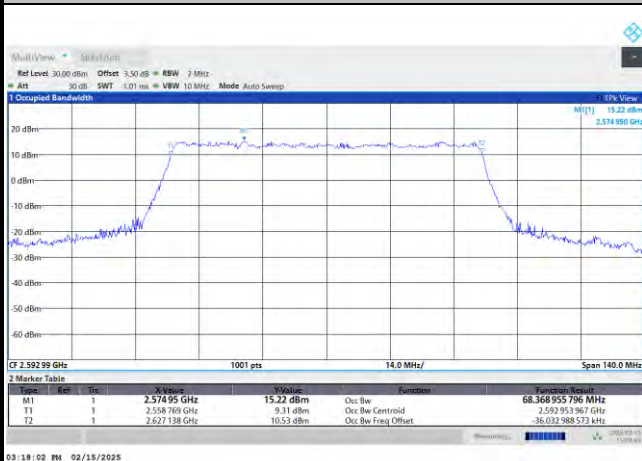
03:16:17 PM 02/15/2025

16QAM



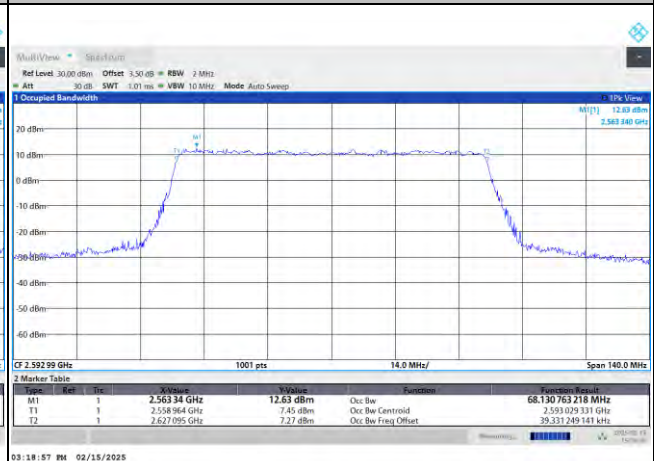
03:17:10 PM 02/15/2025

64QAM



03:18:02 PM 02/15/2025

256QAM

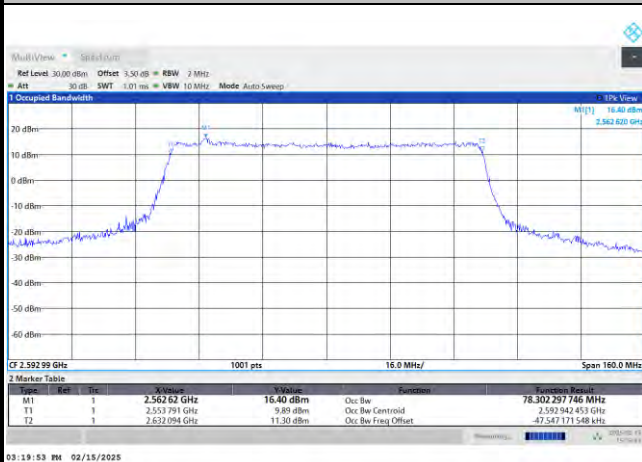


03:18:57 PM 02/15/2025



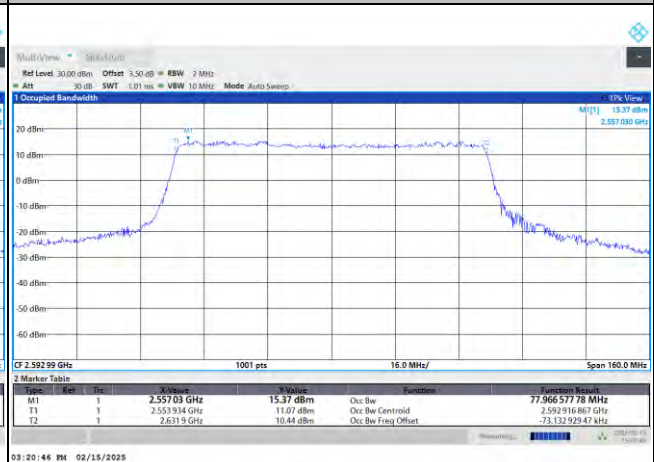
FR1 n41 / 80MHz / CP OFDM / Middle Channel / Full RB

QPSK



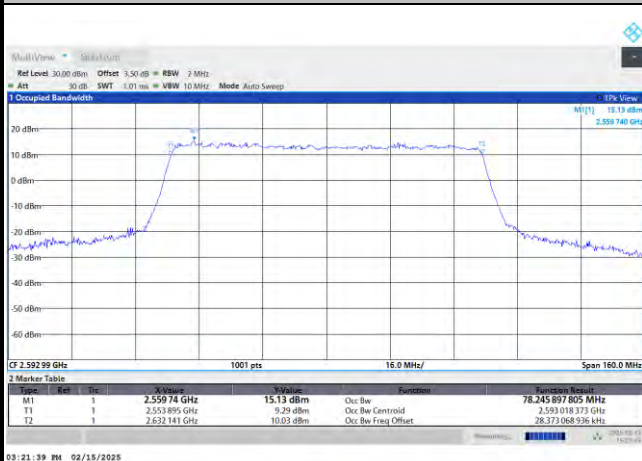
03:19:53 PM 02/15/2025

16QAM



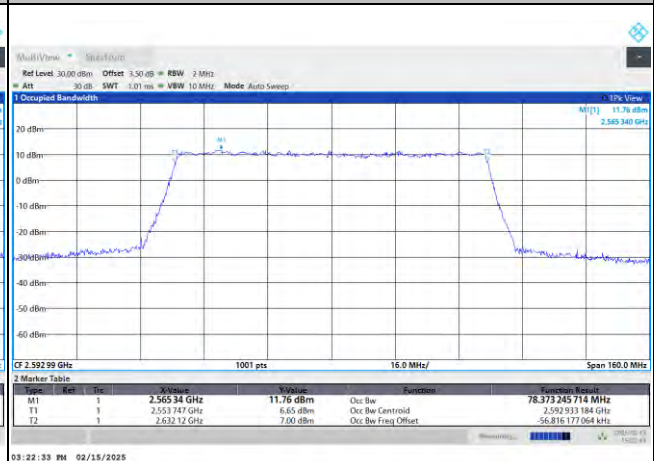
03:20:46 PM 02/15/2025

64QAM



03:21:39 PM 02/15/2025

256QAM

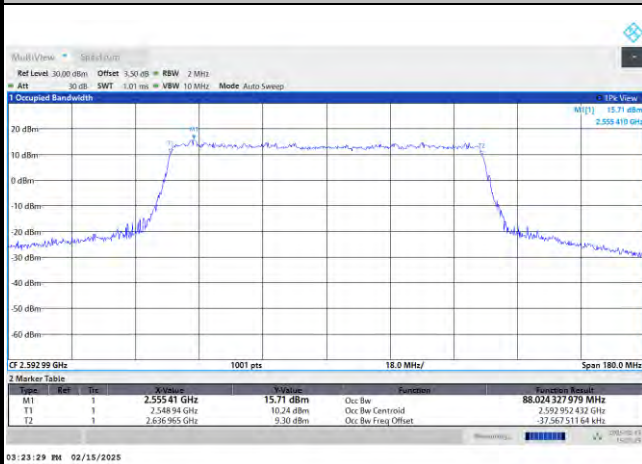


03:22:33 PM 02/15/2025

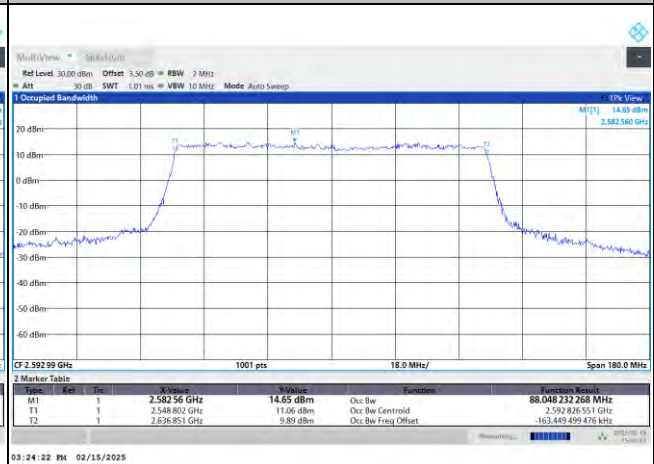


FR1 n41 / 90MHz / CP OFDM / Middle Channel / Full RB

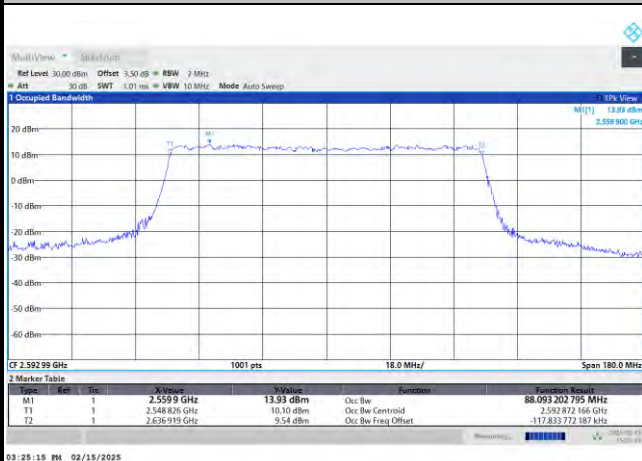
QPSK



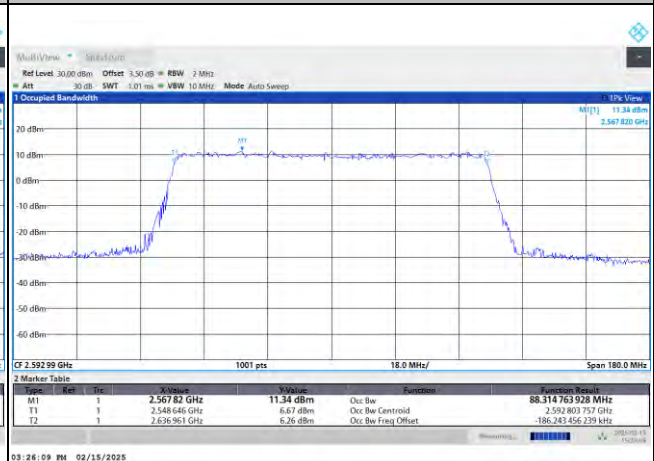
16QAM



64QAM



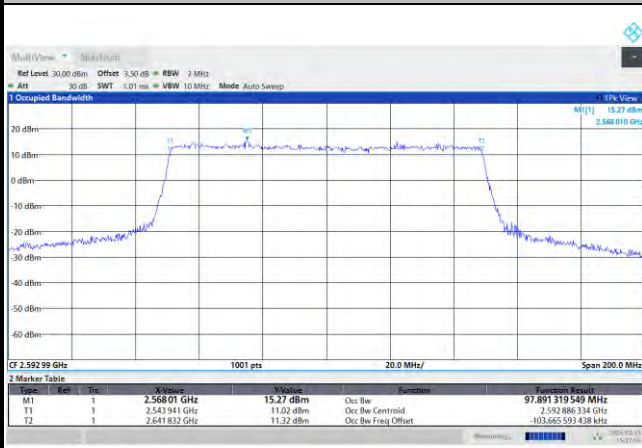
256QAM





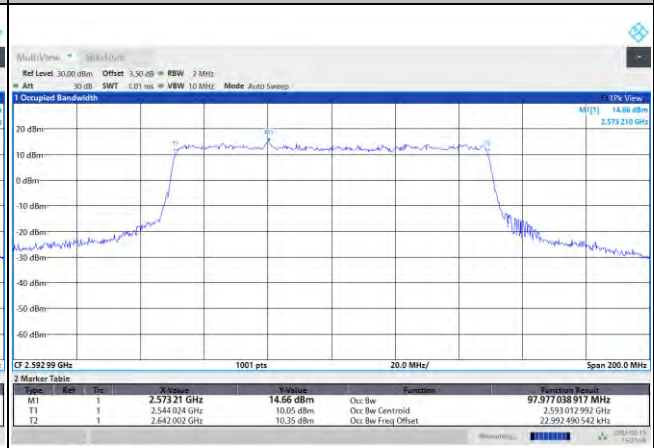
FR1 n41 / 100MHz / CP OFDM / Middle Channel / Full RB

QPSK



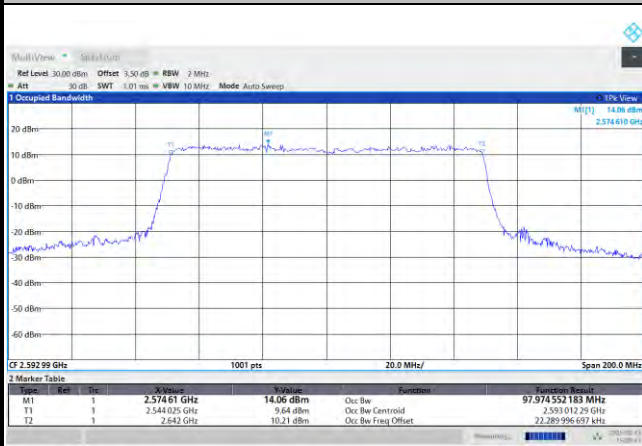
03:27:04 PM 02/15/2025

16QAM



03:27:59 PM 02/15/2025

64QAM



03:28:51 PM 02/15/2025

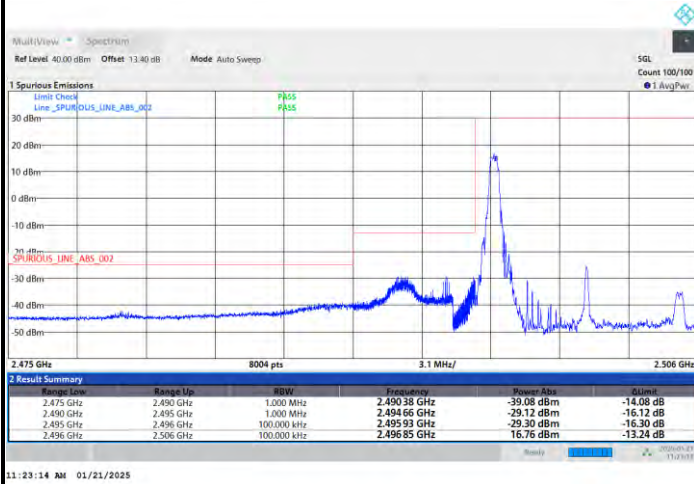
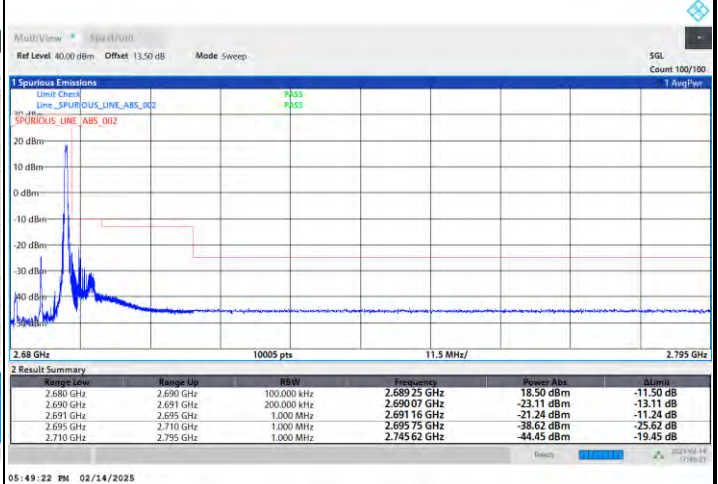
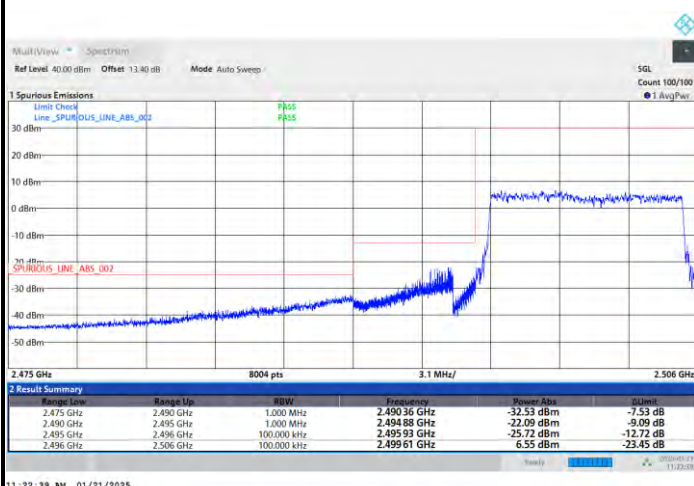
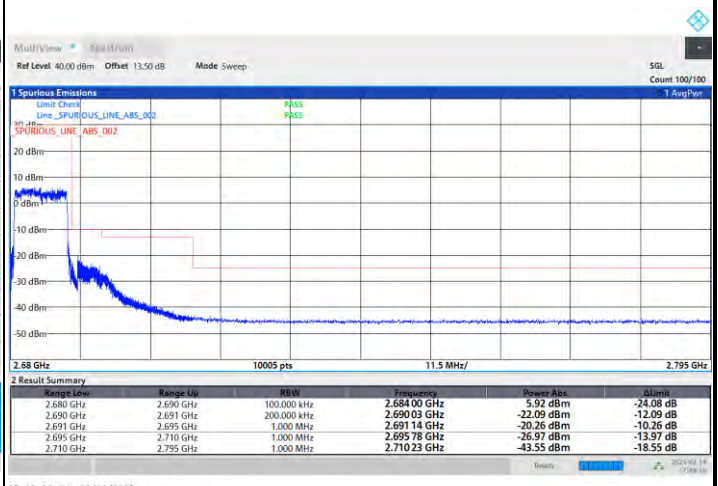
256QAM



03:29:46 PM 02/15/2025

**Conducted Band Edge**

FR1 n41 / 10MHz / CP OFDM / QPSK

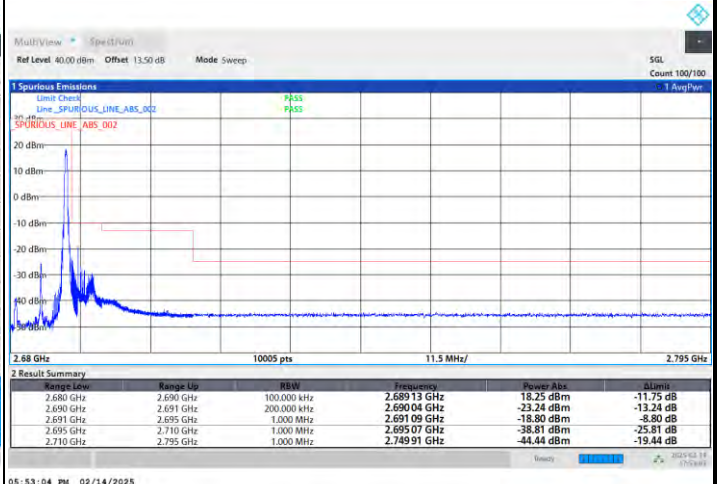
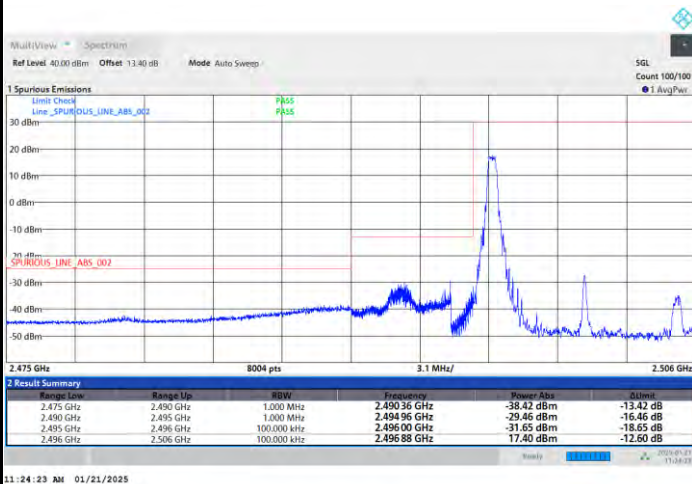
Lowest Band Edge / 1RB0**Highest Band Edge / 1RBmax****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



FR1 n41 / 10MHz / CP OFDM / 16QAM

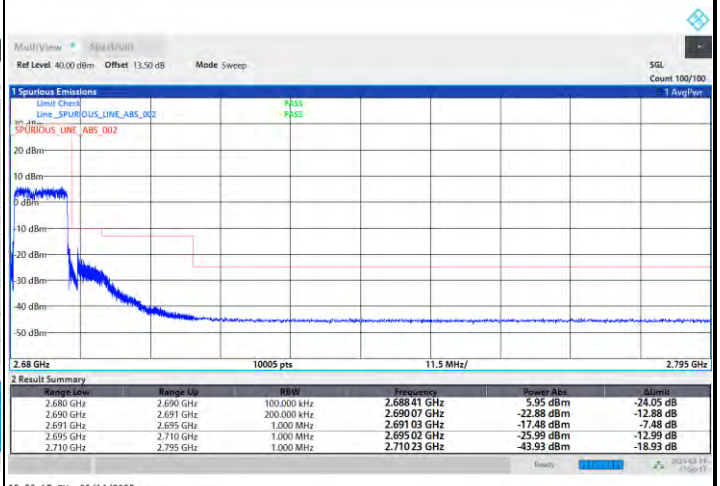
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

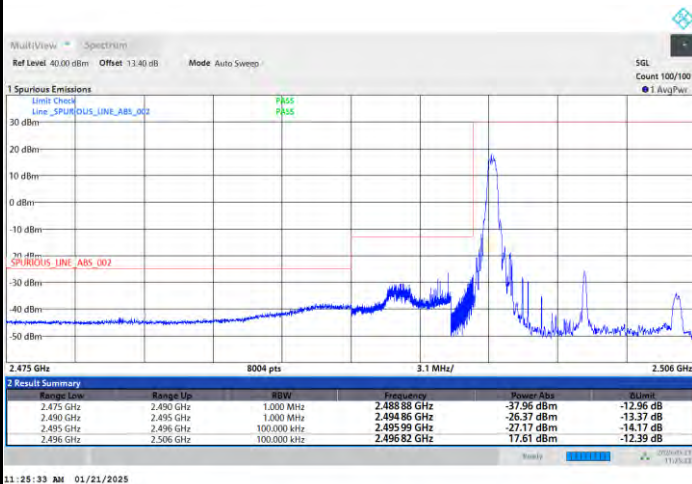




FR1 n41 / 10MHz / CP OFDM / 64QAM

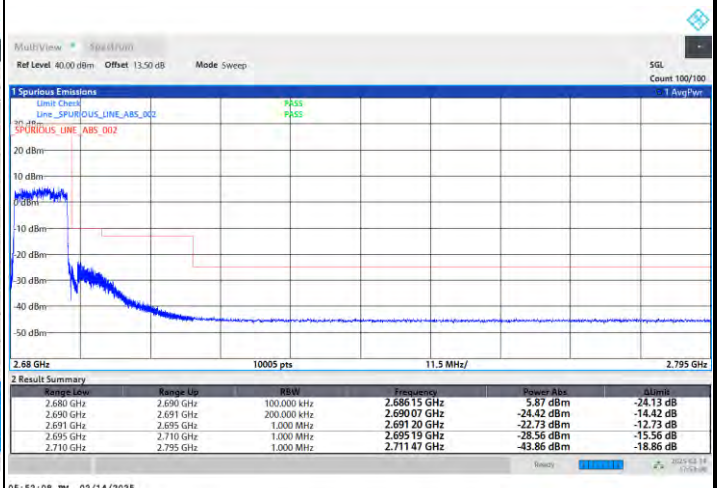
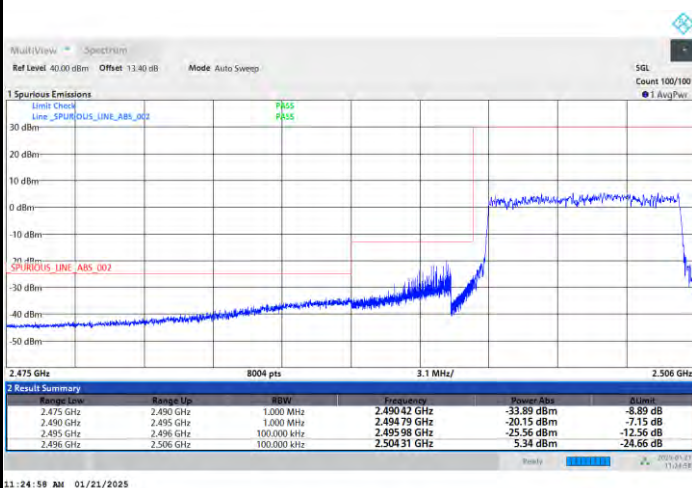
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

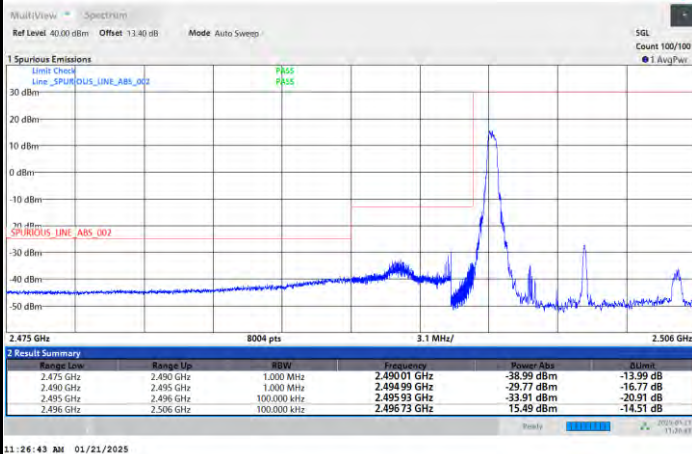




FR1 n41 / 10MHz / CP OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

