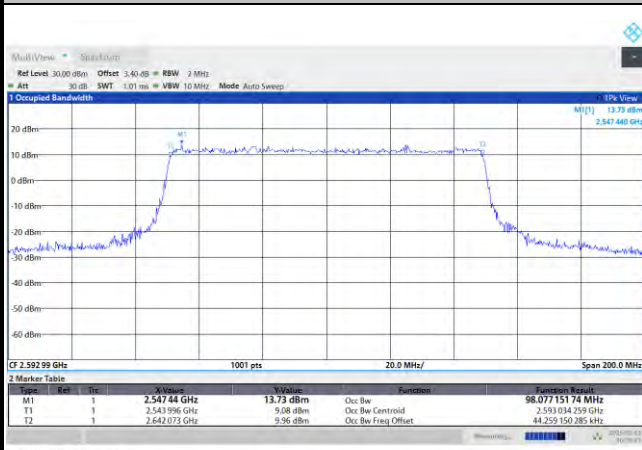




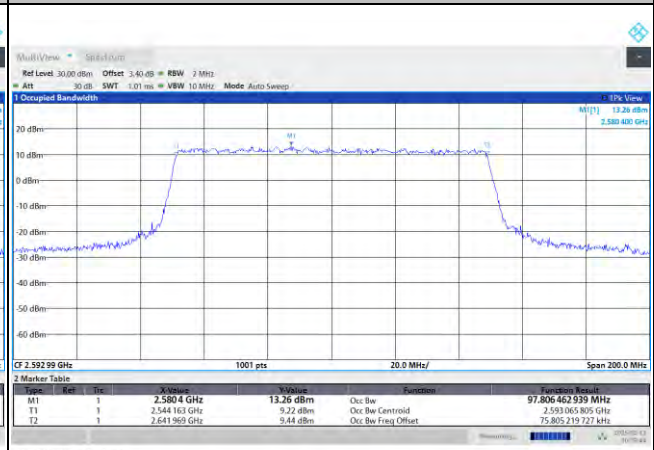
FR1 n41 / 100MHz / CP OFDM / Middle Channel / Full RB

QPSK



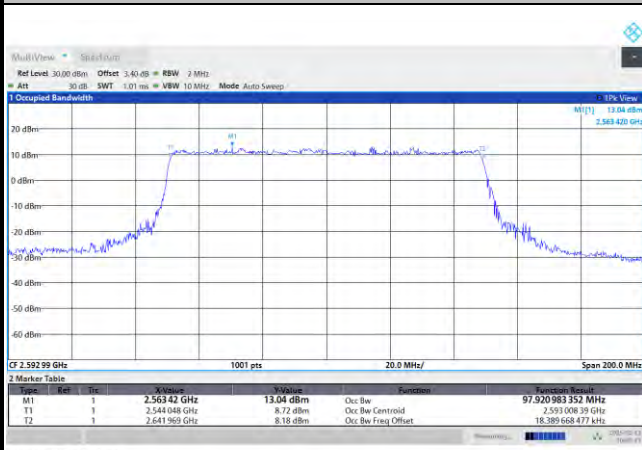
08:18:52 PM 02/12/2025

16QAM



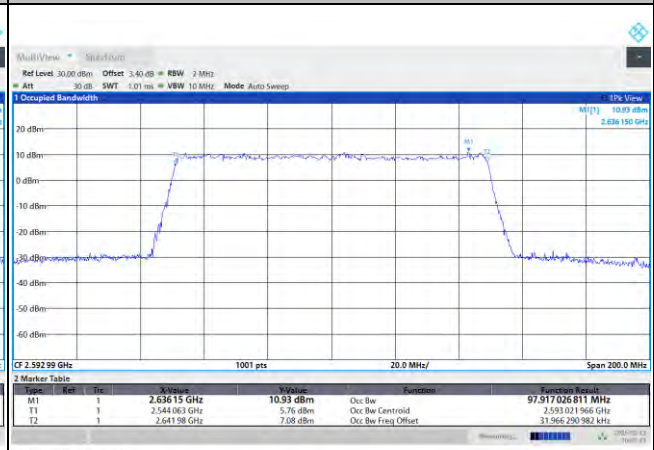
08:19:45 PM 02/12/2025

64QAM



08:20:38 PM 02/12/2025

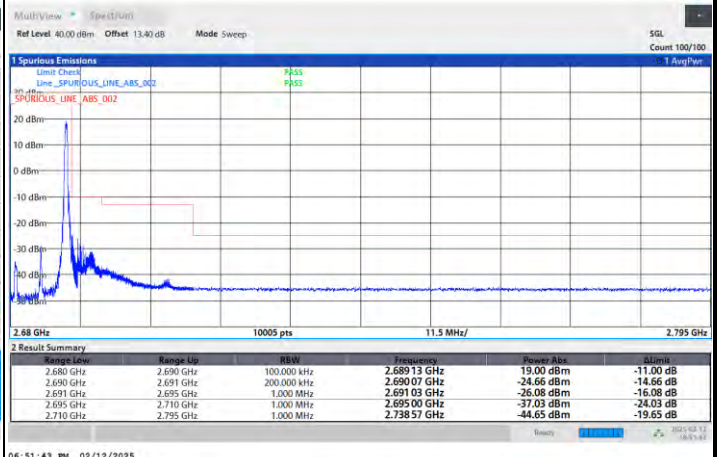
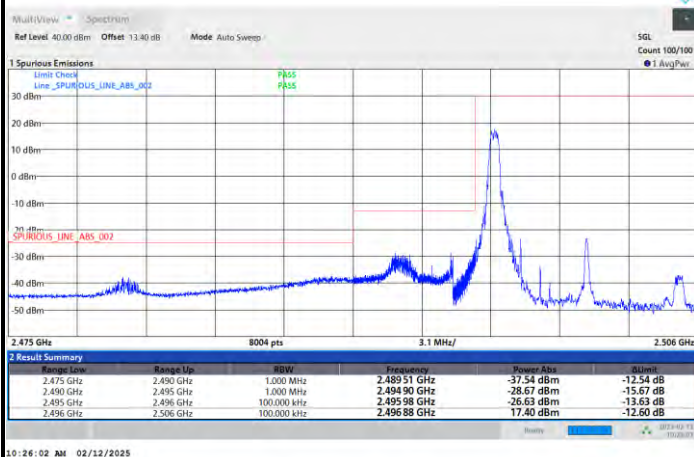
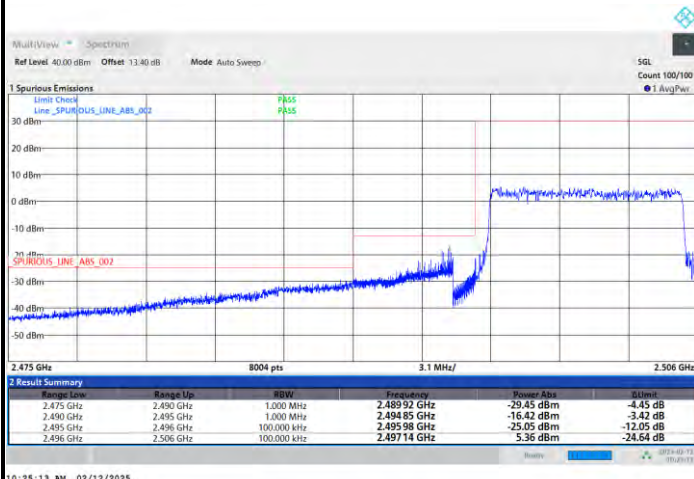
256QAM



08:21:33 PM 02/12/2025

**Conducted Band Edge**

FR1 n41 / 10MHz / CP OFDM / QPSK

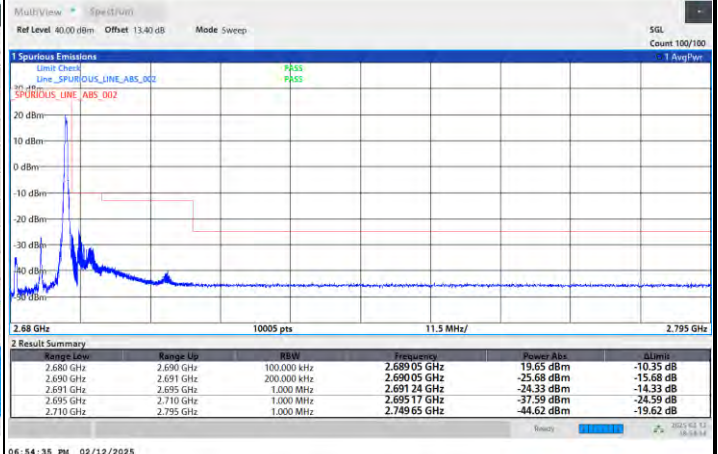
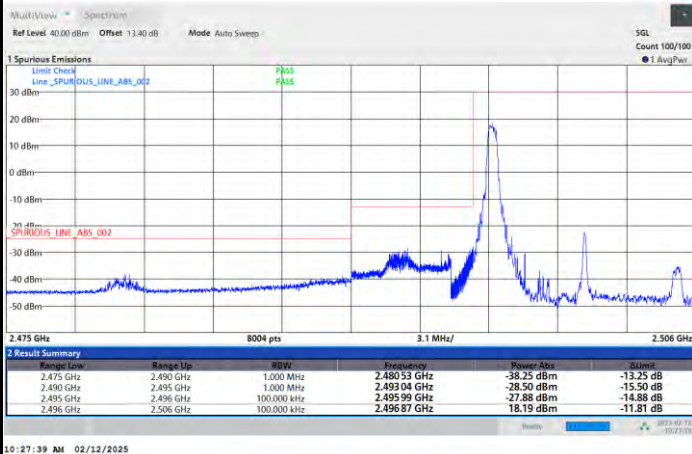
Lowest Band Edge / 1RB0**Highest Band Edge / 1RBmax****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



FR1 n41 / 10MHz / CP OFDM / 16QAM

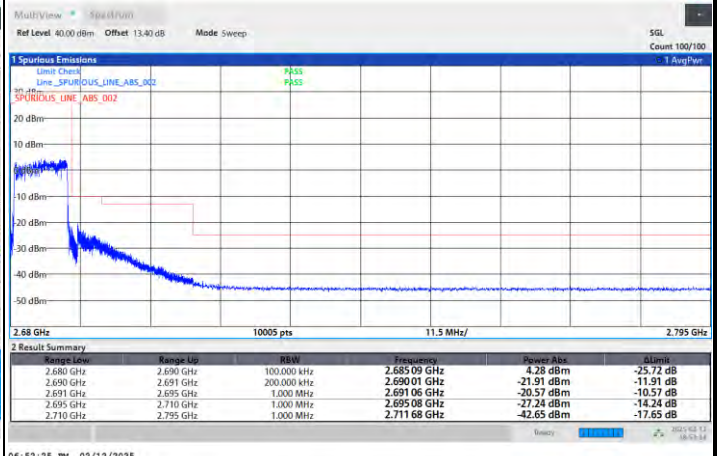
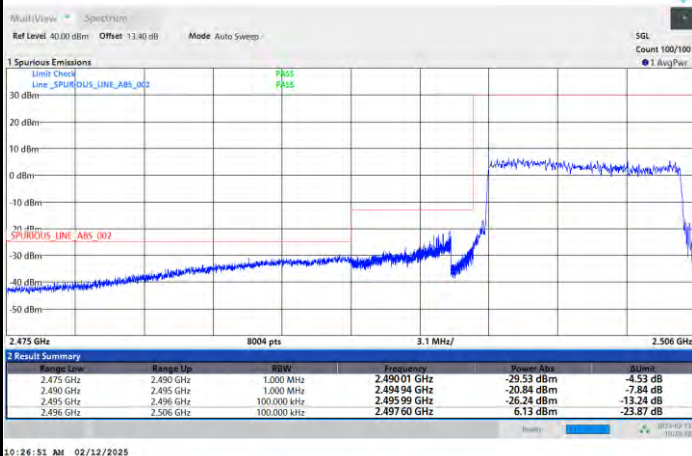
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

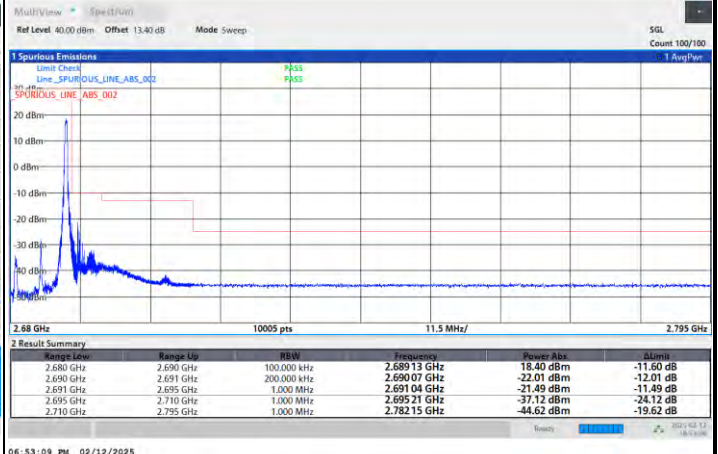




FR1 n41 / 10MHz / CP OFDM / 64QAM

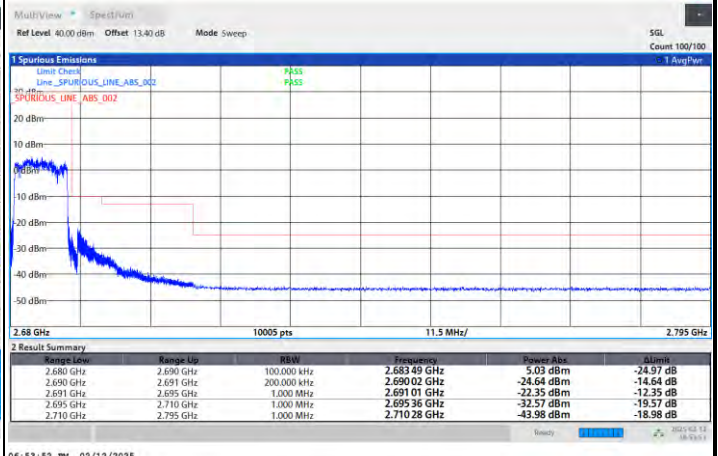
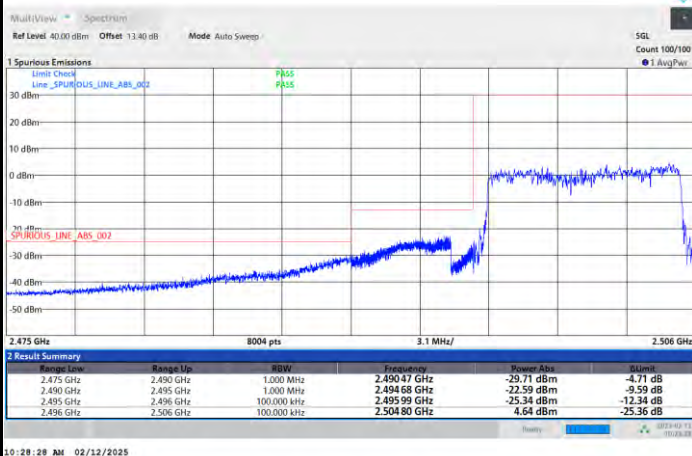
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

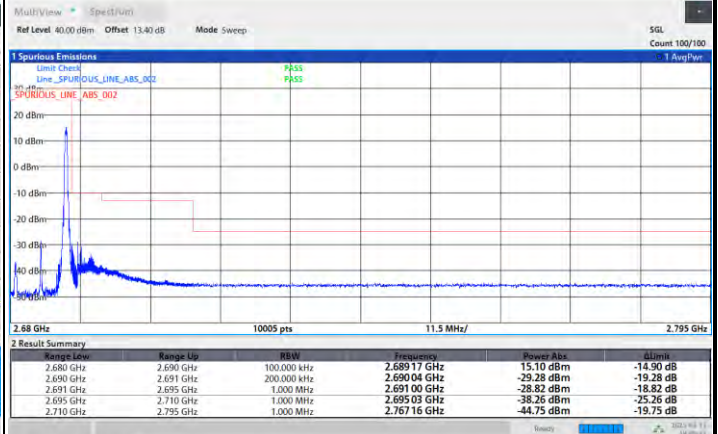
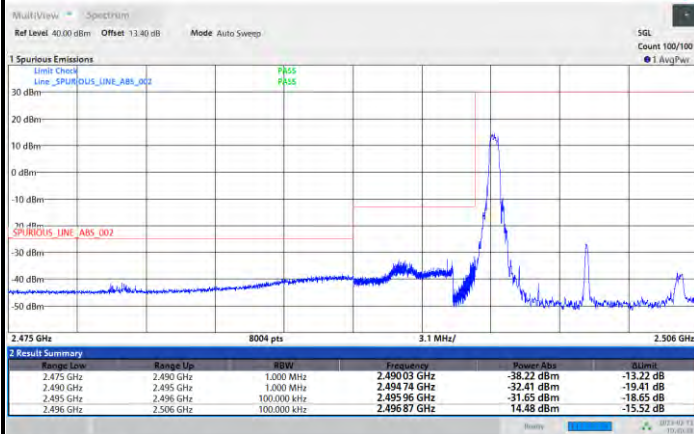




FR1 n41 / 10MHz / CP OFDM / 256QAM

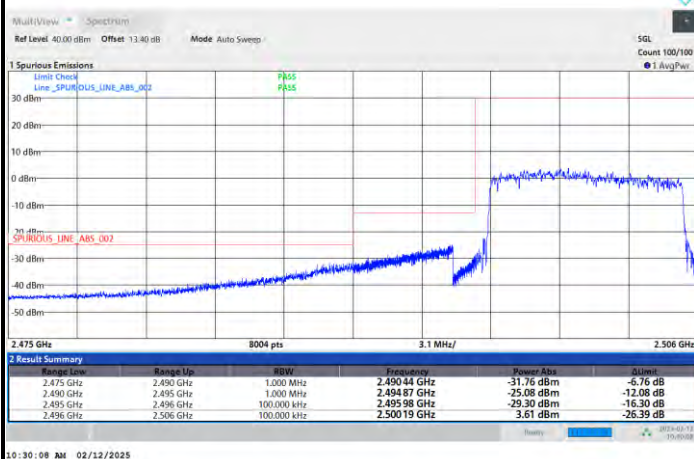
Lowest Band Edge / 1RB0

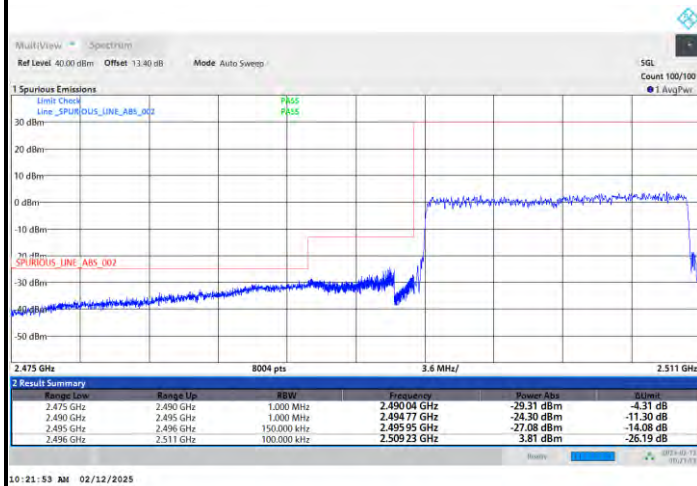
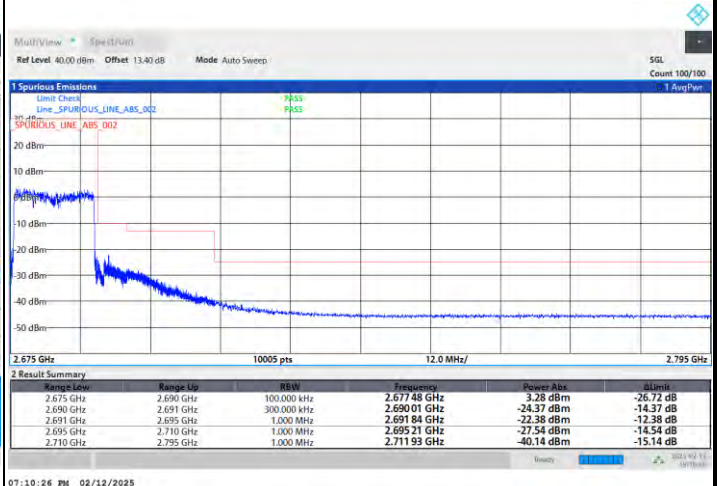
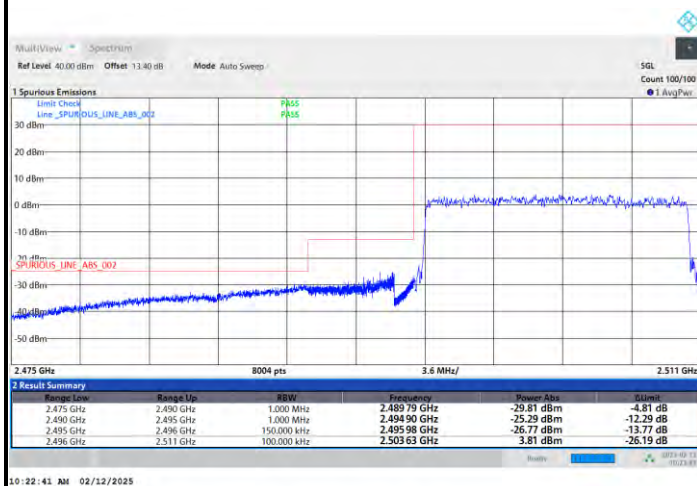
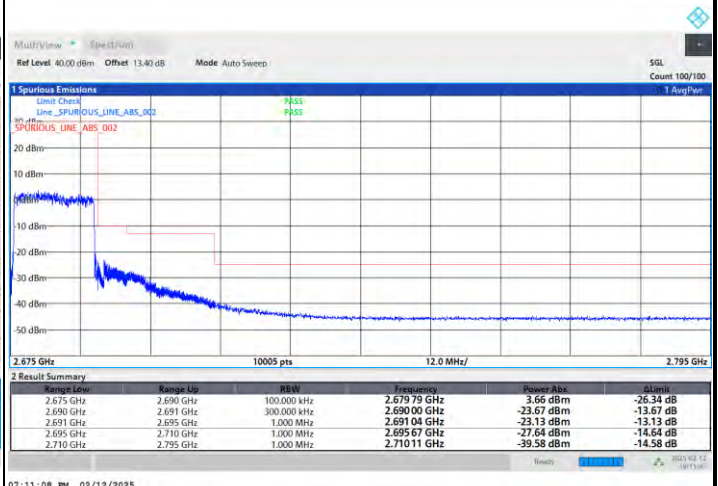
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

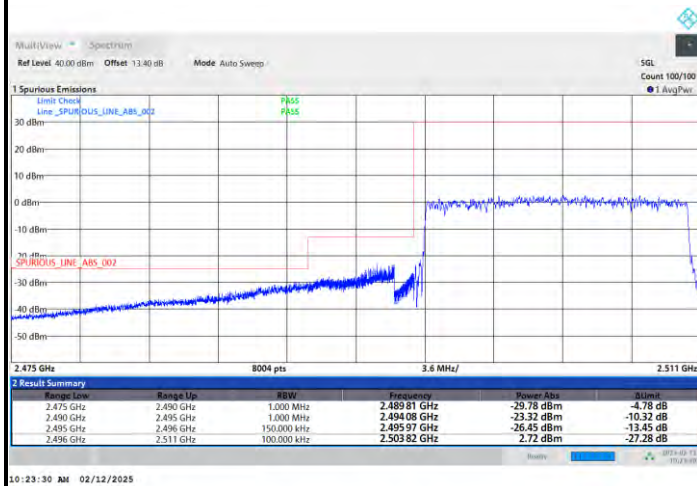


**FR1 n41 / 15MHz / CP OFDM / QPSK****Lowest Band Edge / Full RB****Highest Band Edge / Full RB****FR1 n41 / 15MHz / CP OFDM / 16QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

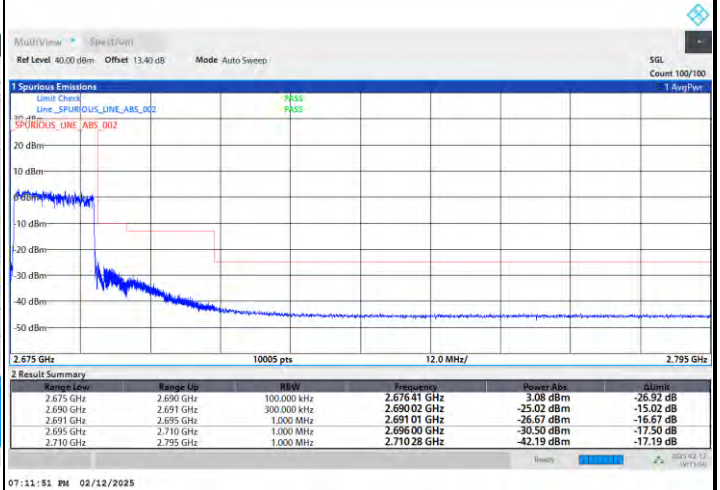


FR1 n41 / 15MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

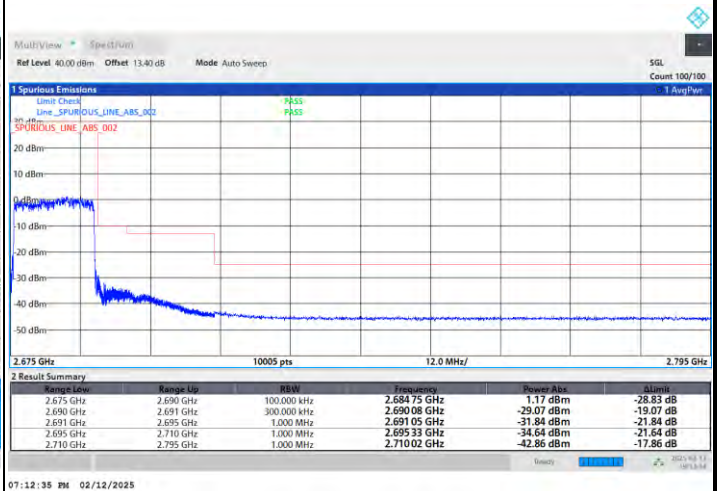


FR1 n41 / 15MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



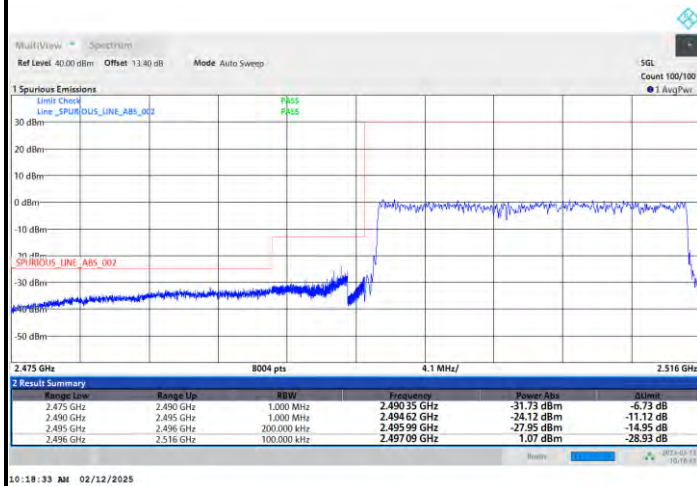
Highest Band Edge / Full RB



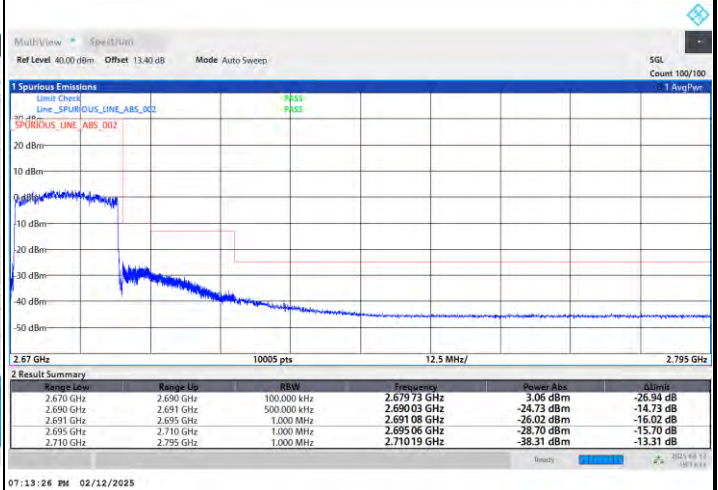


FR1 n41 / 20MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

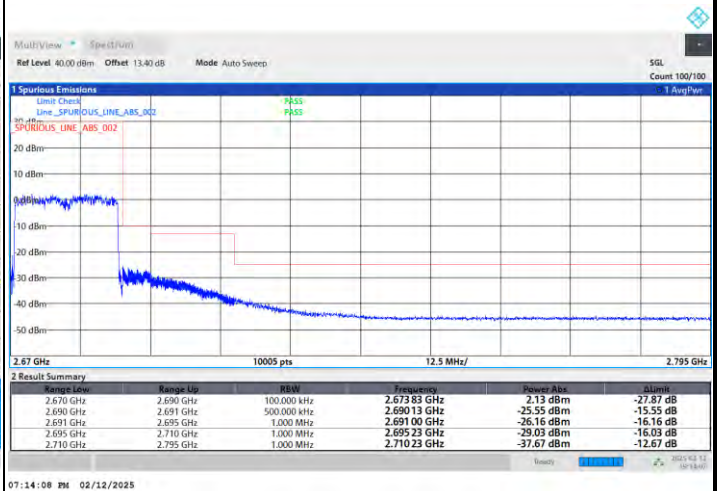


FR1 n41 / 20MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



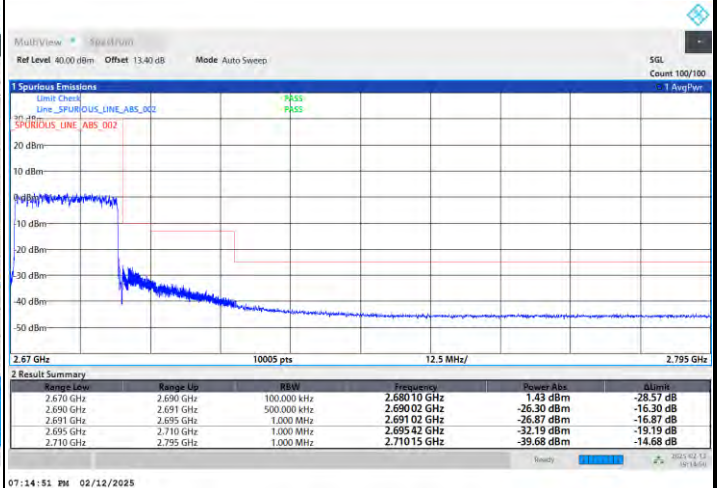


FR1 n41 / 20MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

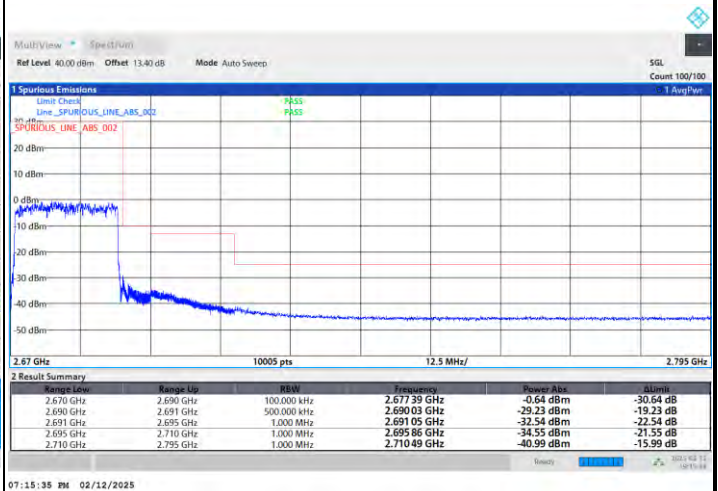


FR1 n41 / 20MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



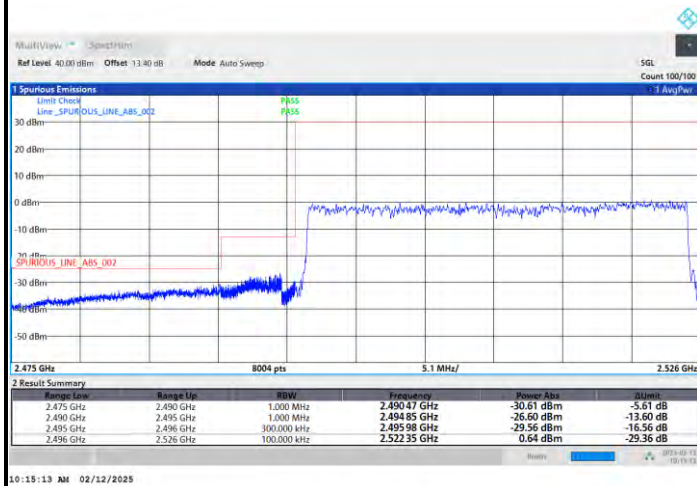
Highest Band Edge / Full RB



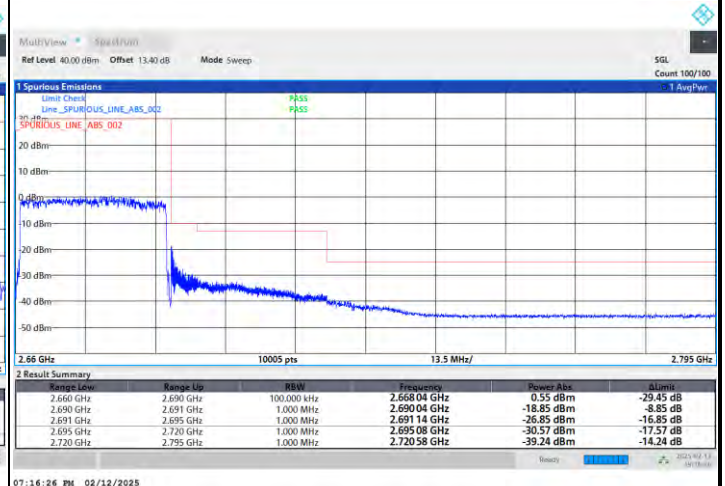


FR1 n41 / 30MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

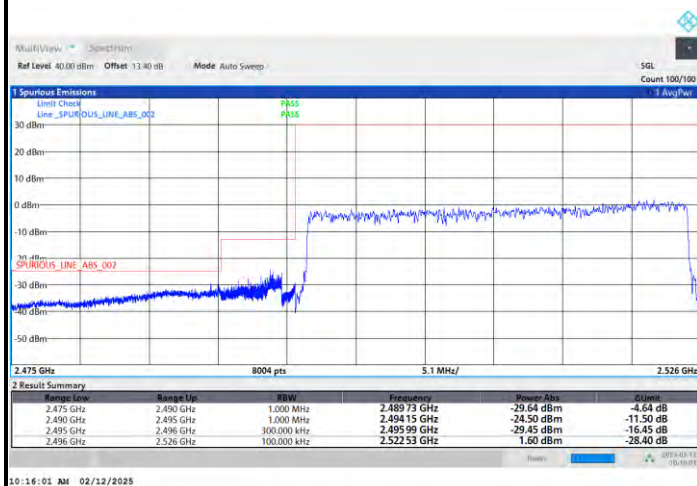


Highest Band Edge / Full RB

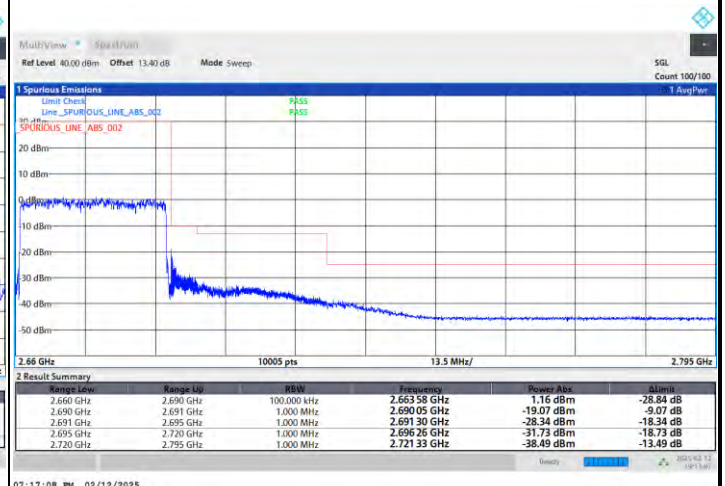


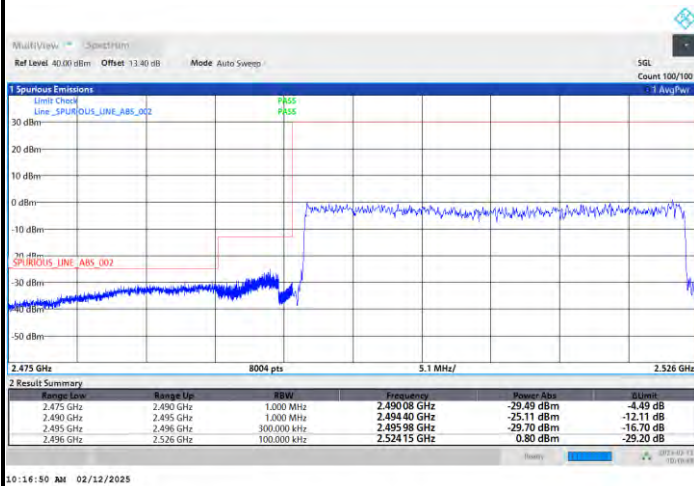
FR1 n41 / 30MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

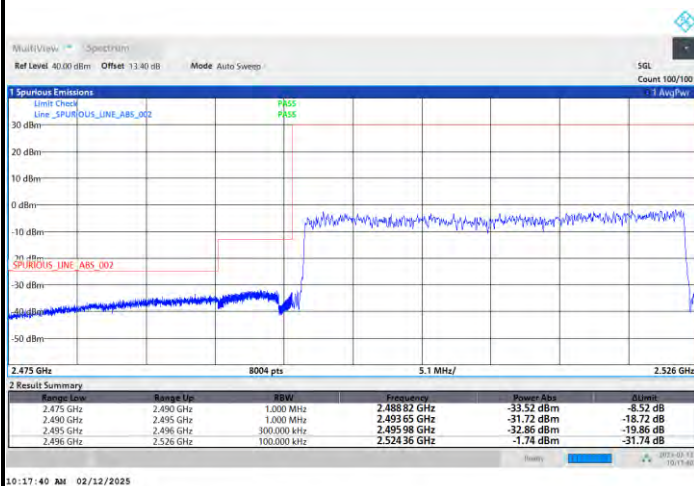


**FR1 n41 / 30MHz / CP OFDM / 64QAM****Lowest Band Edge / Full RB**

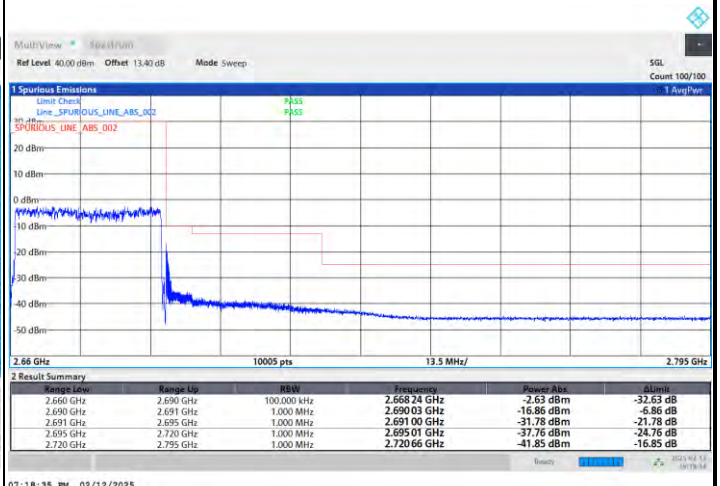
10:16:50 AM 02/12/2025

Highest Band Edge / Full RB

07:17:51 PM 02/12/2025

FR1 n41 / 30MHz / CP OFDM / 256QAM**Lowest Band Edge / Full RB**

10:17:40 AM 02/12/2025

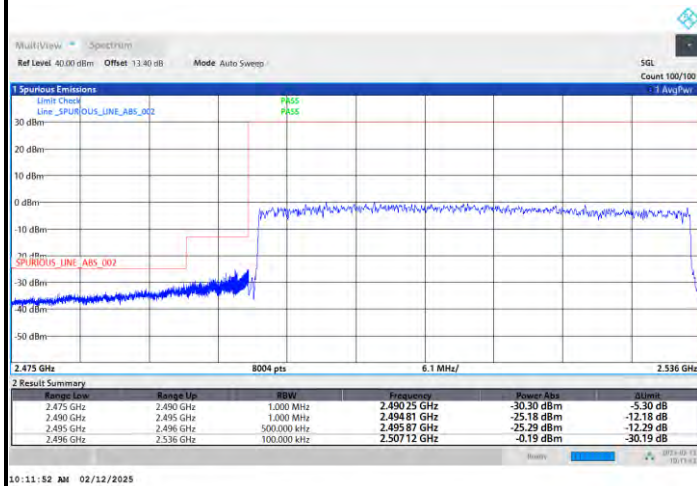
Highest Band Edge / Full RB

07:18:35 PM 02/12/2025

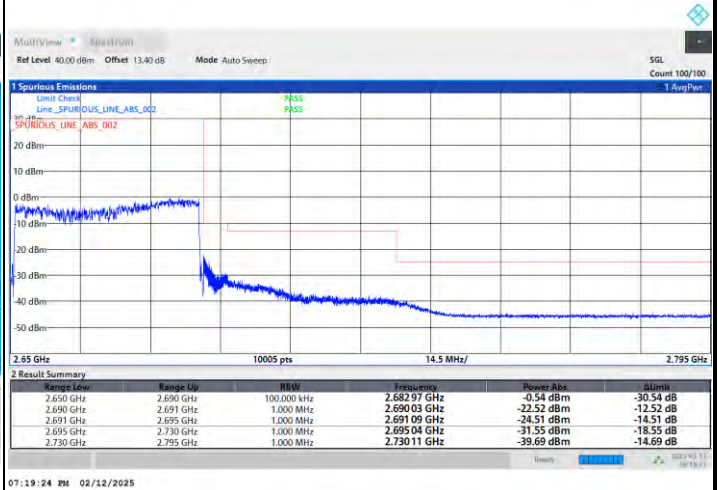


FR1 n41 / 40MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

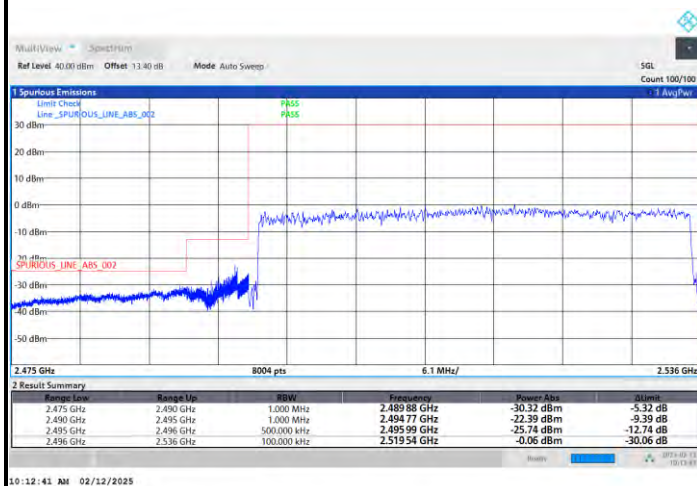


Highest Band Edge / Full RB

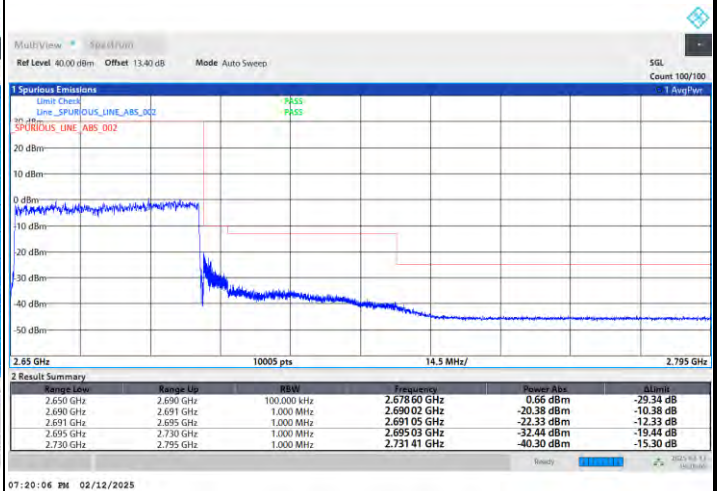


FR1 n41 / 40MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



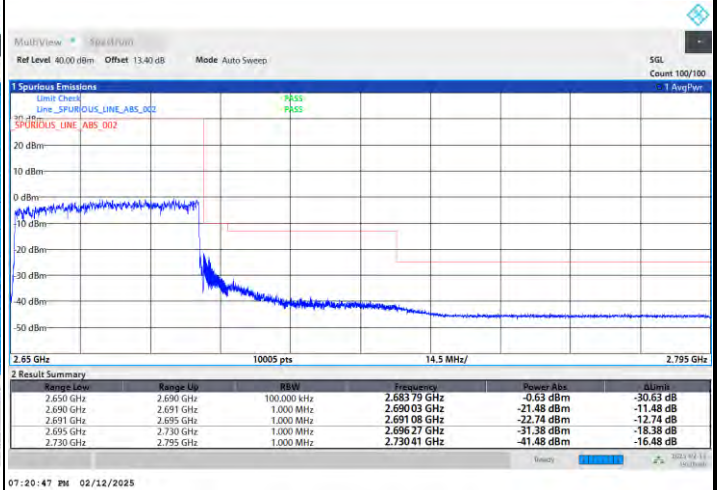


FR1 n41 / 40MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

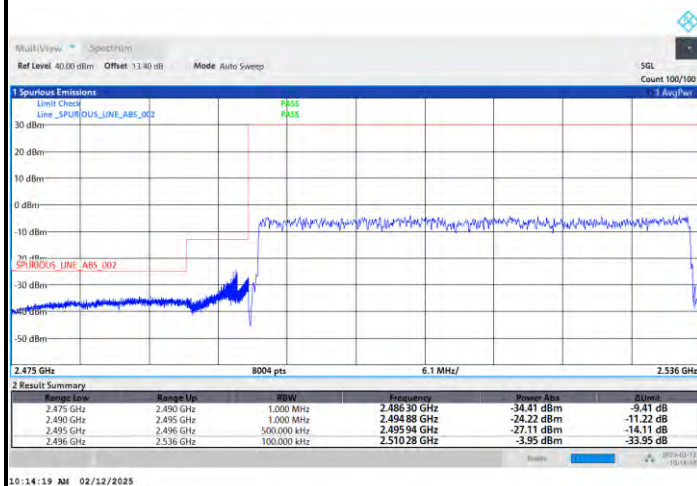


Highest Band Edge / Full RB

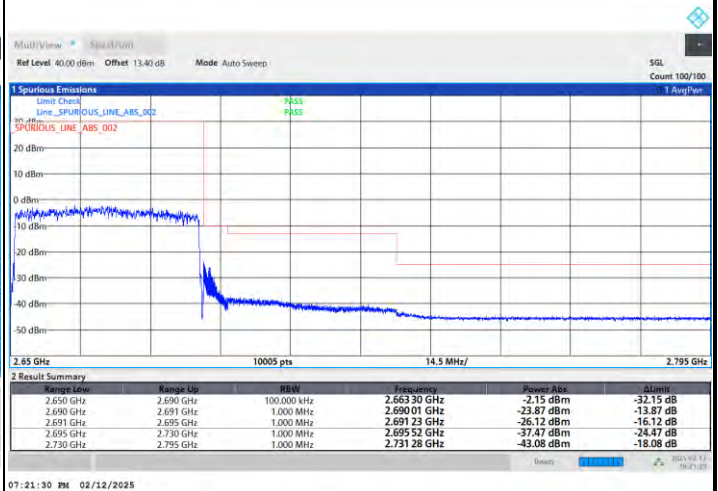


FR1 n41 / 40MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



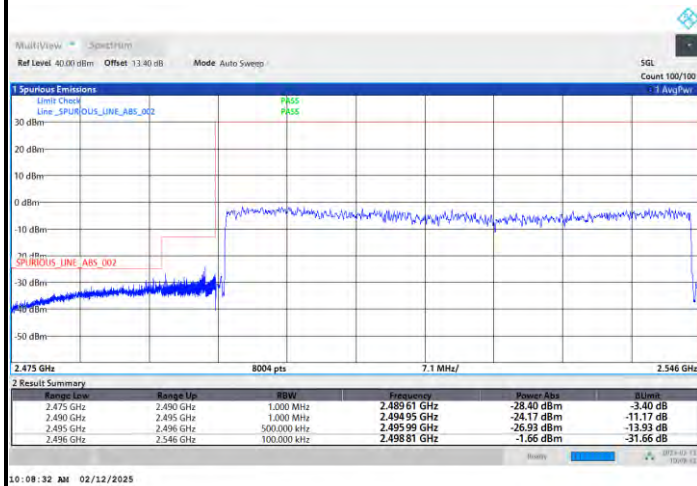
Highest Band Edge / Full RB



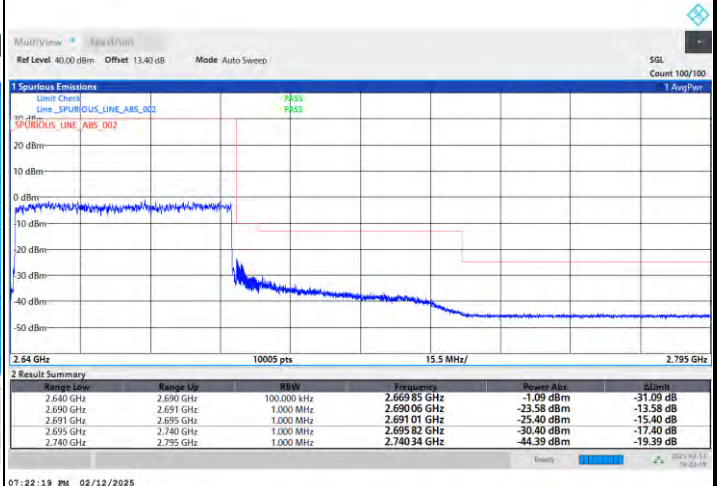


FR1 n41 / 50MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

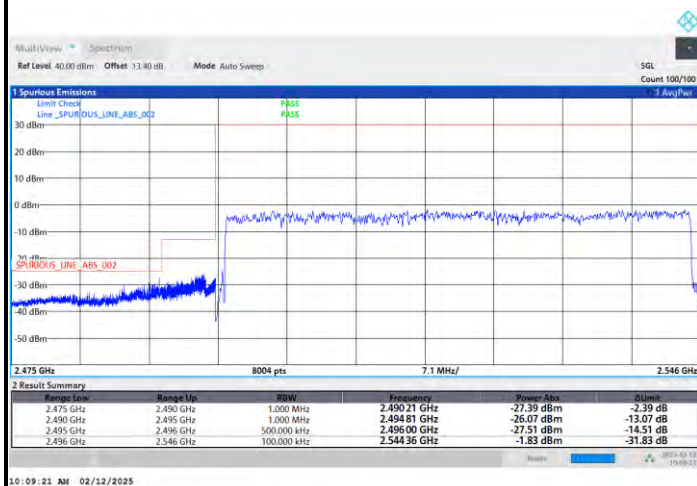


Highest Band Edge / Full RB

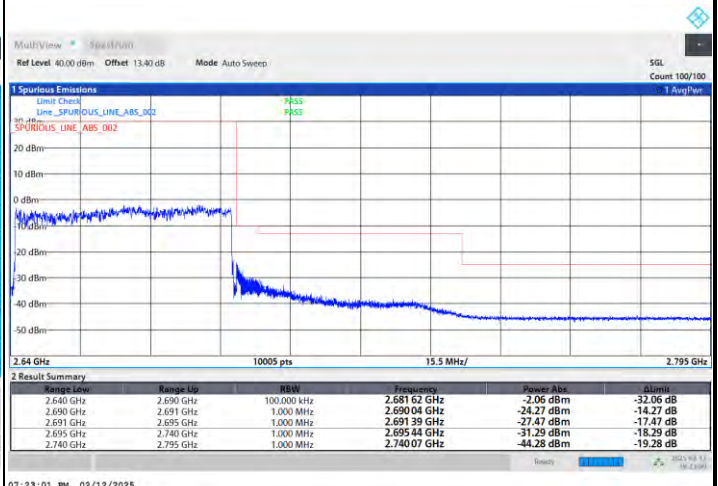


FR1 n41 / 50MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB



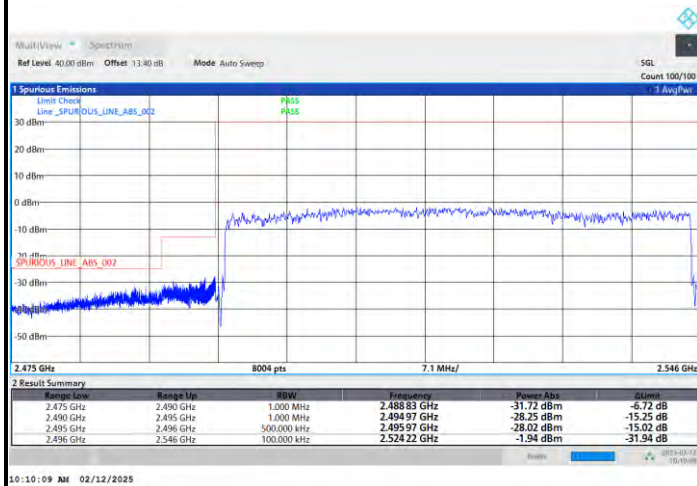
Highest Band Edge / Full RB





FR1 n41 / 50MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



10:10:09 AM 02/12/2025

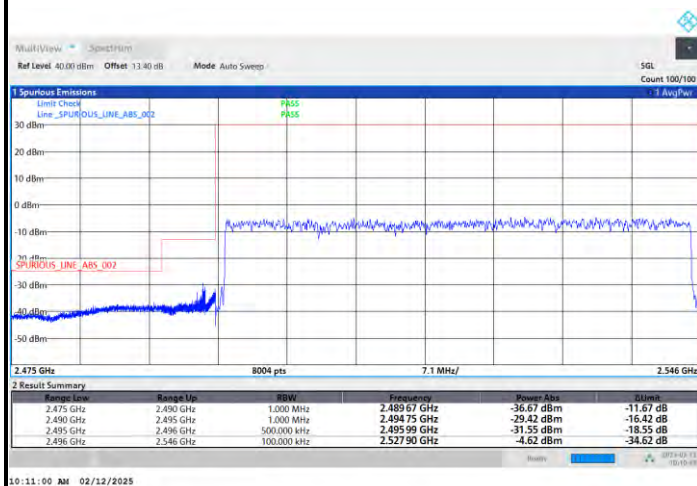
Highest Band Edge / Full RB



07:23:42 PM 02/12/2025

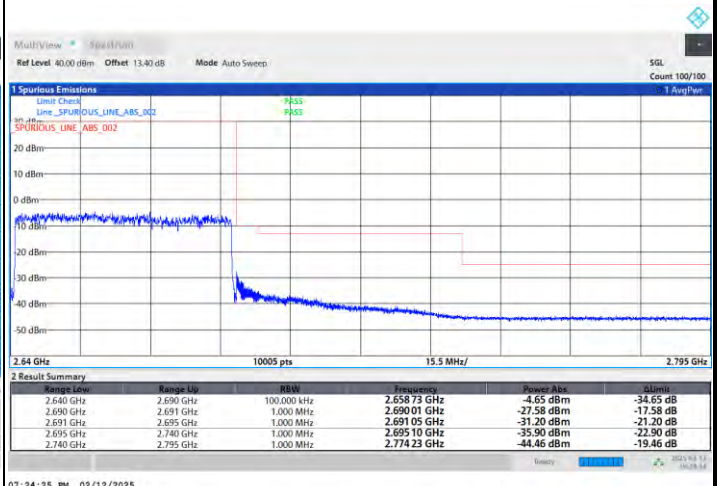
FR1 n41 / 50MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

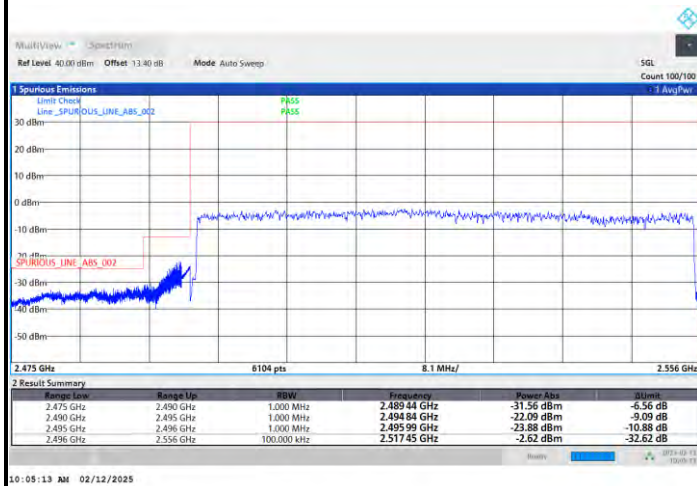
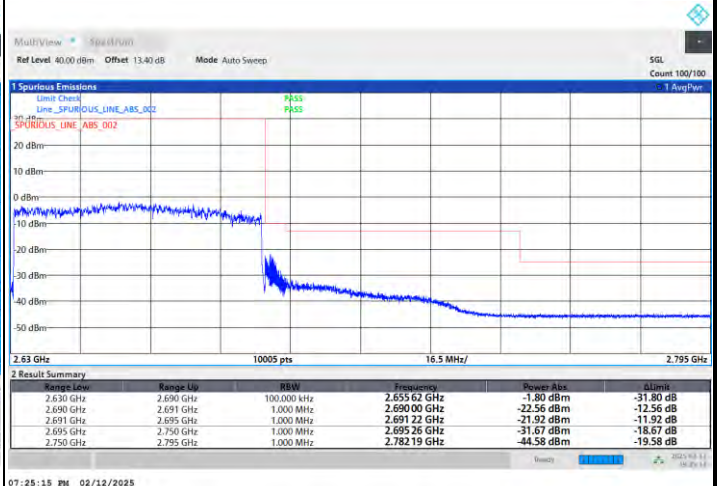
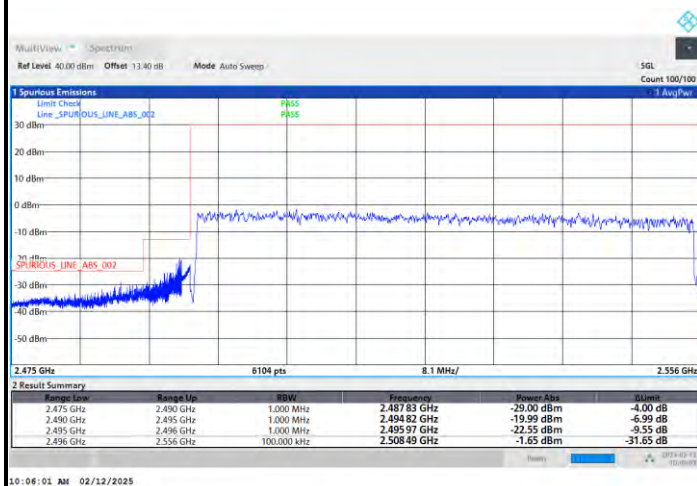
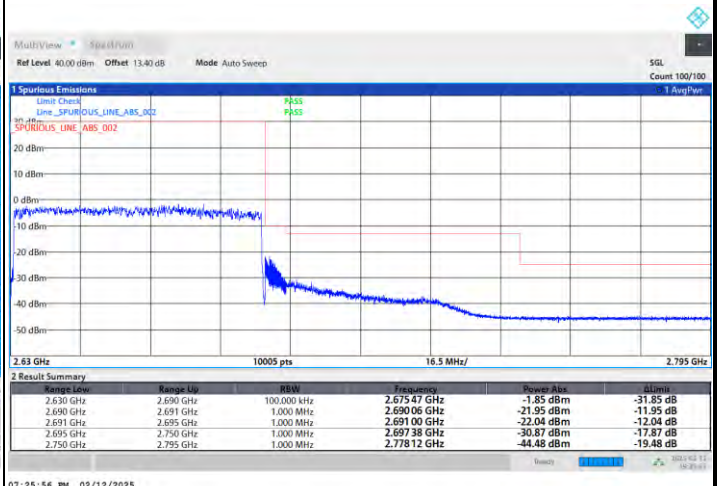


10:11:00 AM 02/12/2025

Highest Band Edge / Full RB



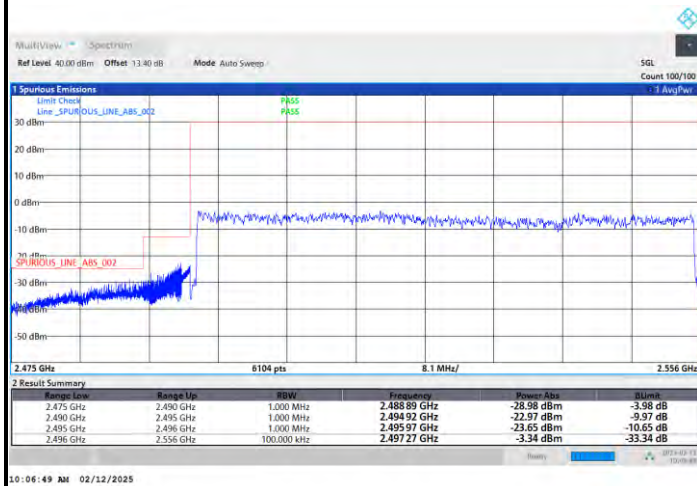
07:24:25 PM 02/12/2025

**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**

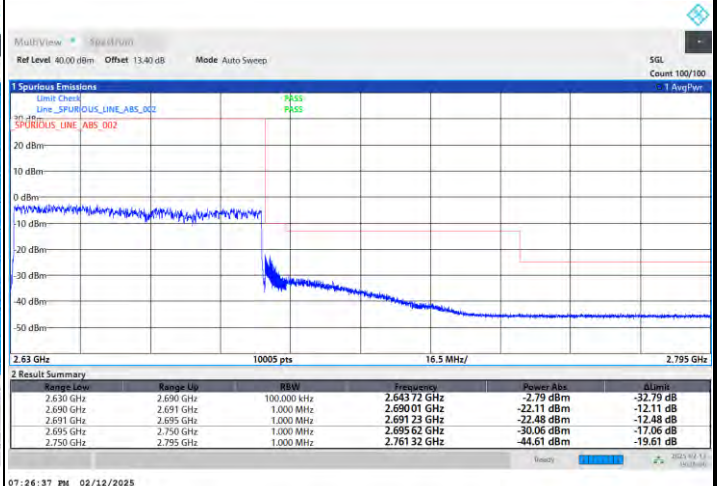


FR1 n41 / 60MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

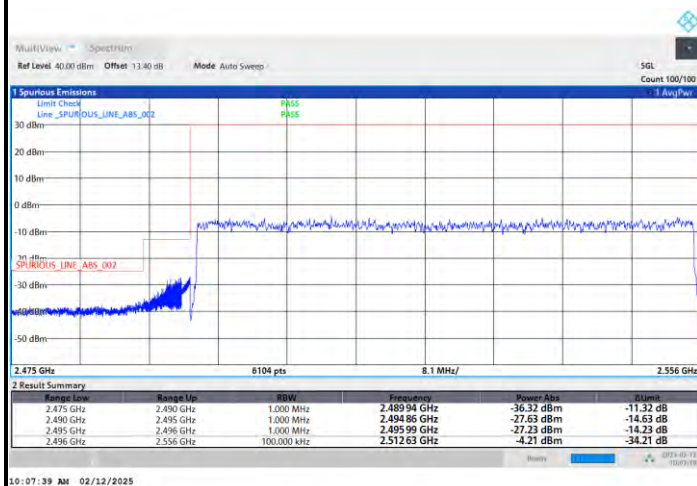


Highest Band Edge / Full RB

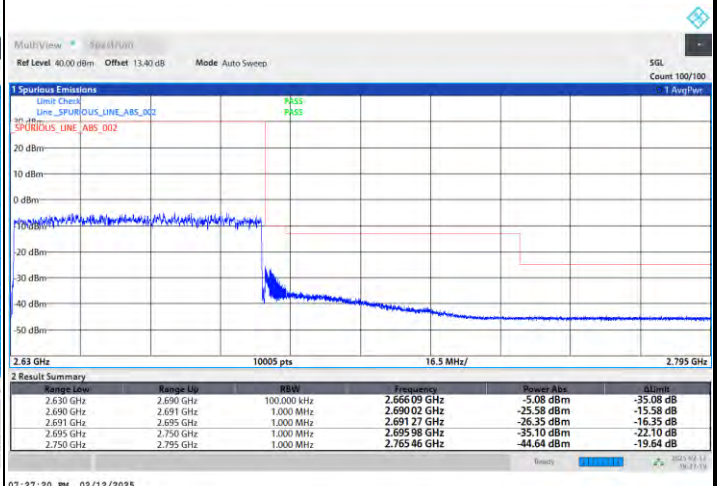


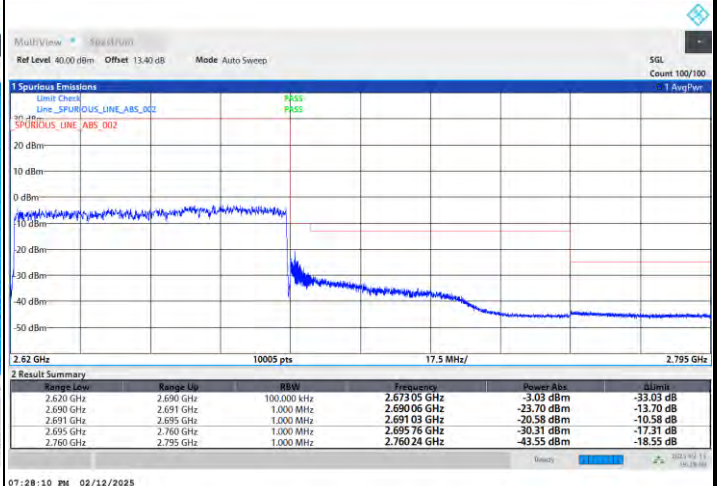
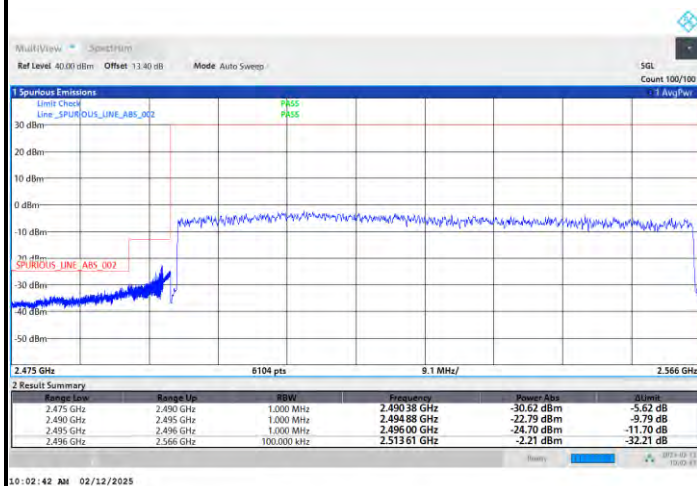
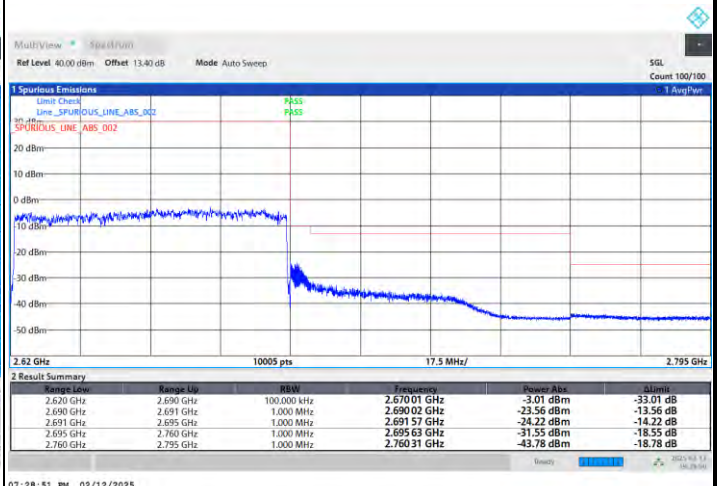
FR1 n41 / 60MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

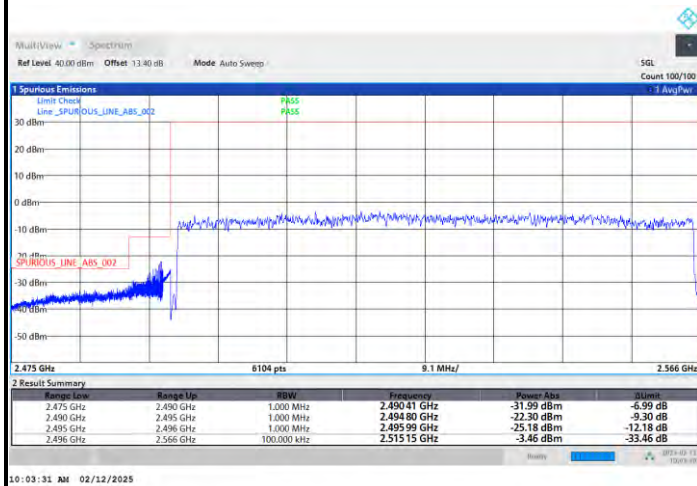


**FR1 n41 / 70MHz / CP OFDM / QPSK****Lowest Band Edge / Full RB****Highest Band Edge / Full RB****FR1 n41 / 70MHz / CP OFDM / 16QAM****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

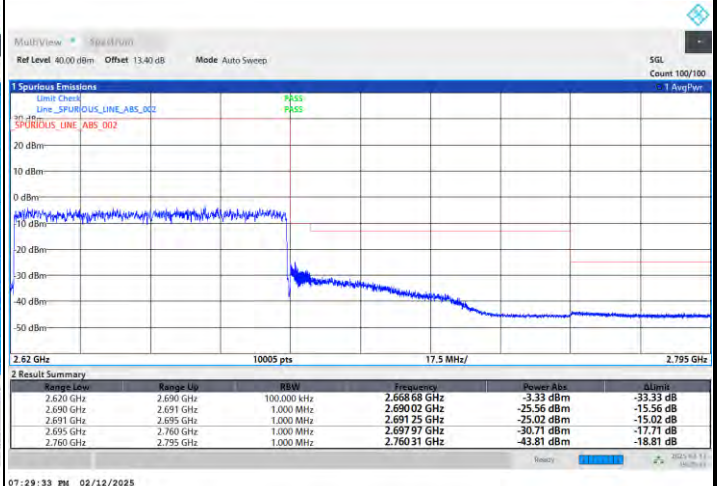


FR1 n41 / 70MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

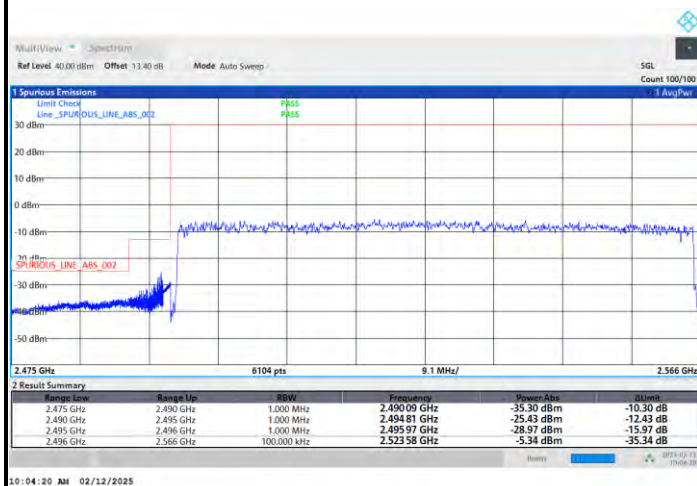


Highest Band Edge / Full RB

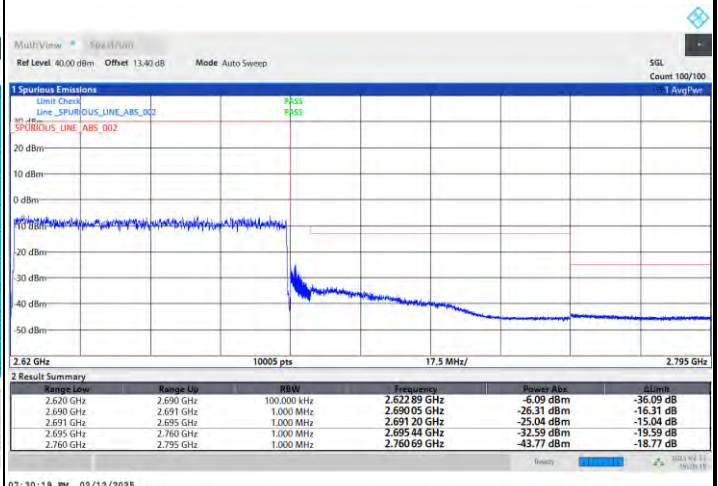


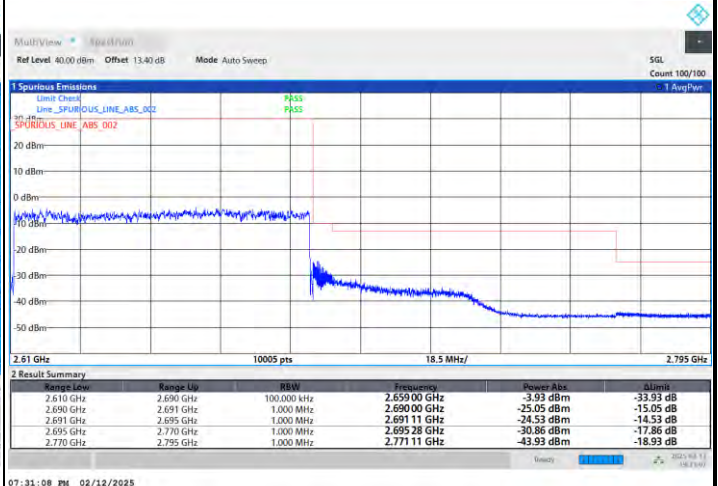
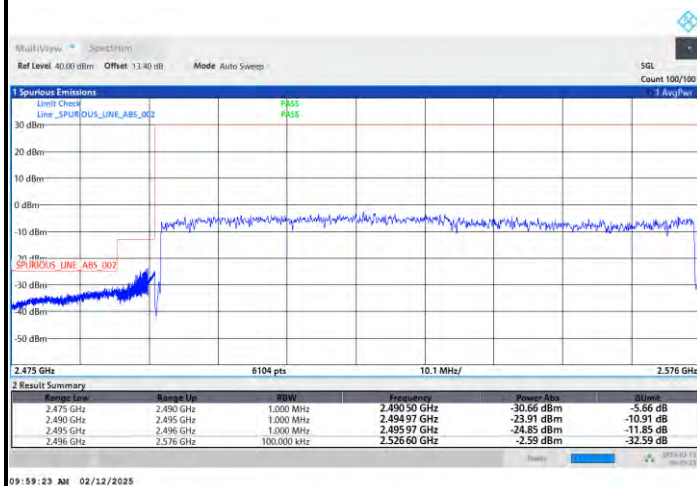
FR1 n41 / 70MHz / CP OFDM / 256QAM

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



10:00:11 AM 02/12/2025

Highest Band Edge / Full RB



07:32:31 PM 02/12/2025

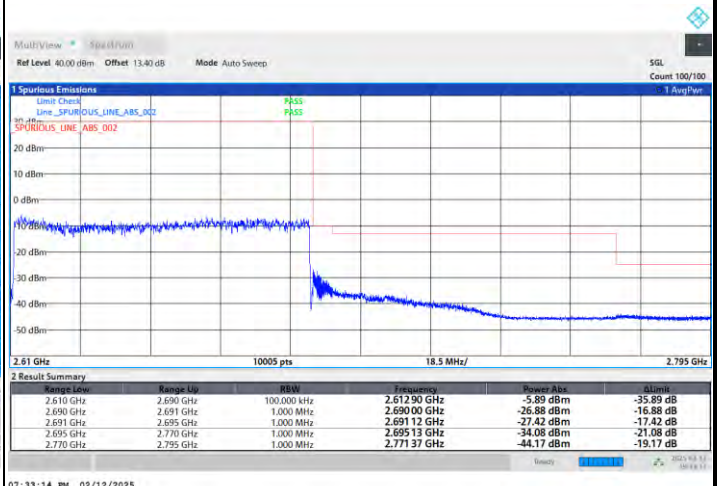
FR1 n41 / 80MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



10:01:01 AM 02/12/2025

Highest Band Edge / Full RB



07:33:14 PM 02/12/2025



FR1 n41 / 90MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

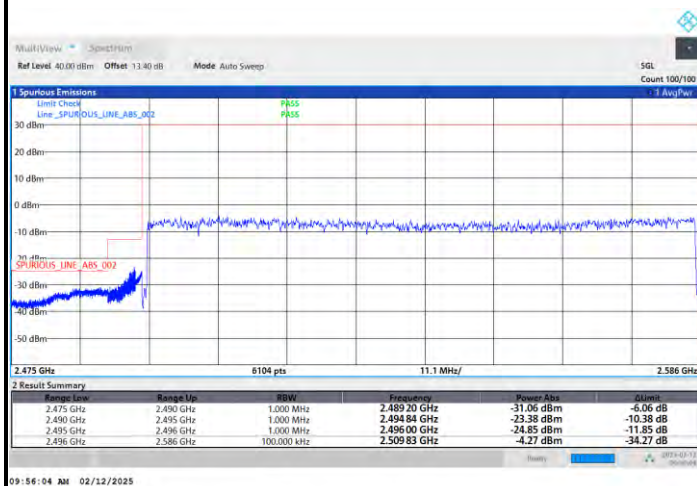


Highest Band Edge / Full RB



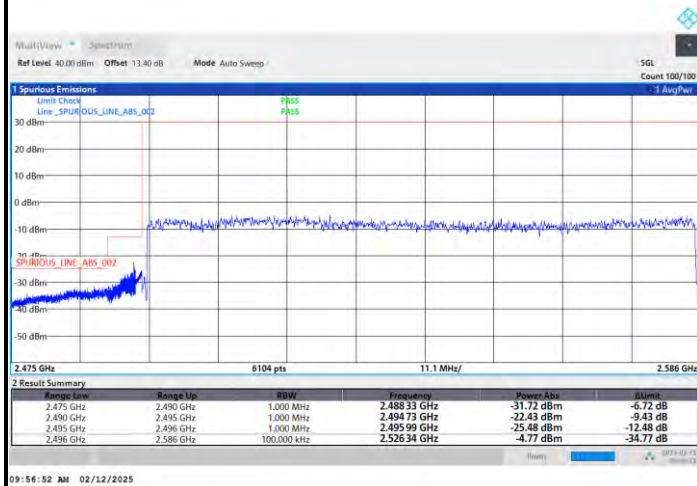
FR1 n41 / 90MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

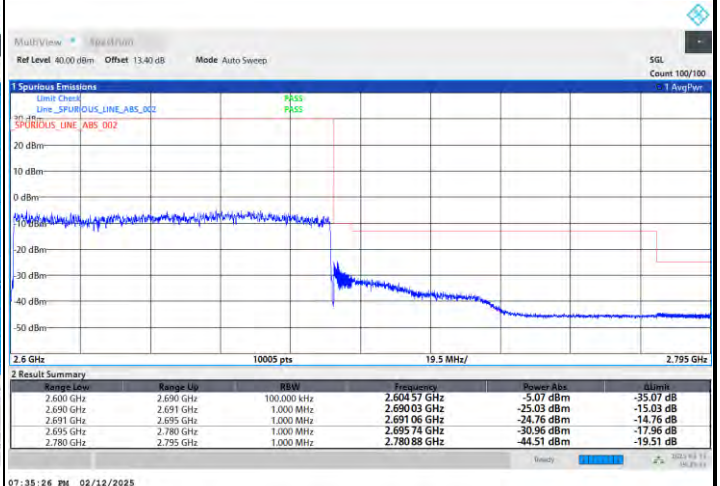


Highest Band Edge / Full RB

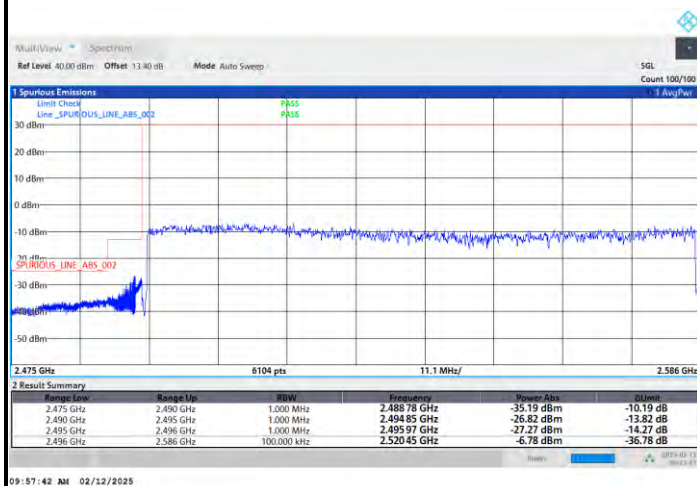


**FR1 n41 / 90MHz / CP OFDM / 64QAM****Lowest Band Edge / Full RB**

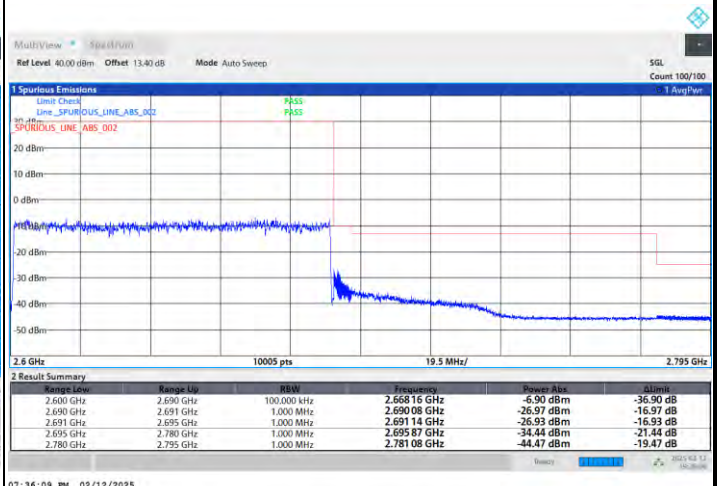
09:56:52 AM 02/12/2025

Highest Band Edge / Full RB

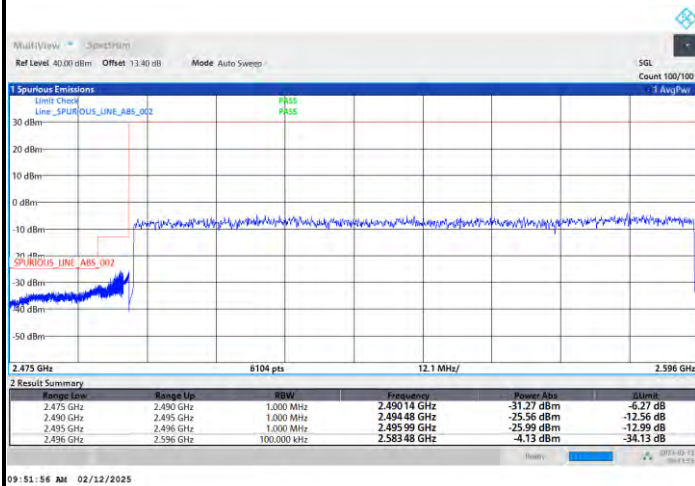
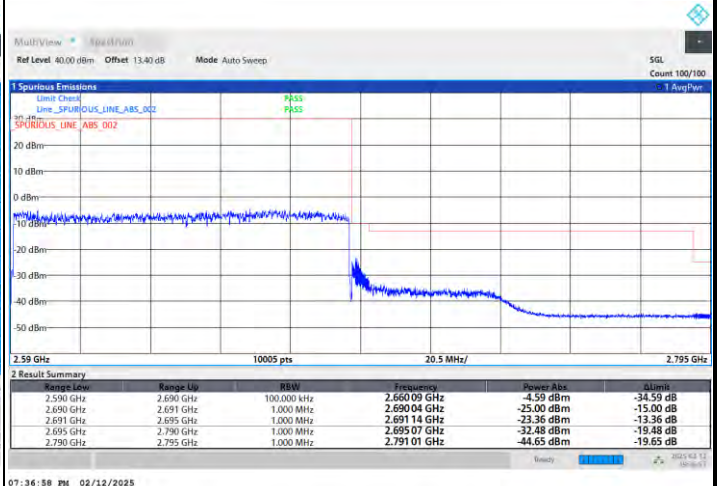
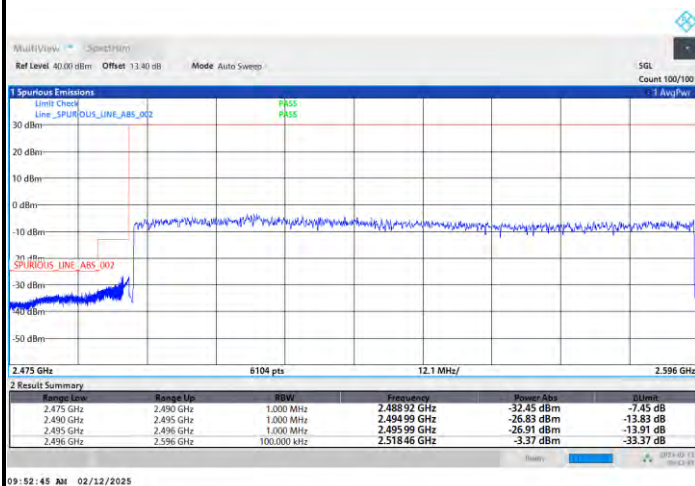
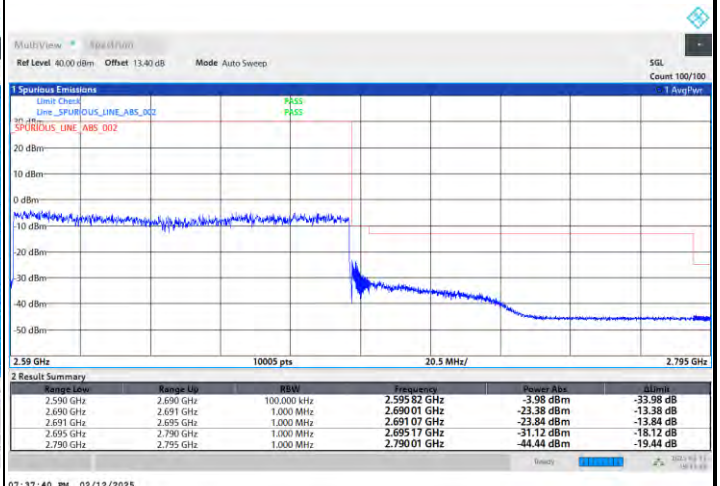
07:35:26 PM 02/12/2025

FR1 n41 / 90MHz / CP OFDM / 256QAM**Lowest Band Edge / Full RB**

09:57:42 AM 02/12/2025

Highest Band Edge / Full RB

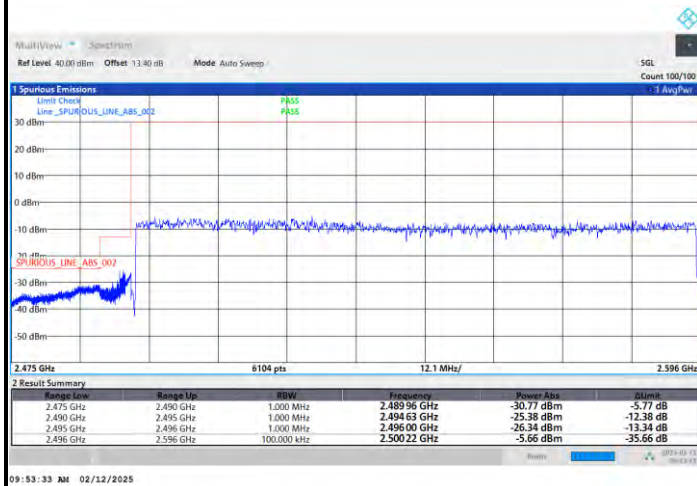
07:36:09 PM 02/12/2025

**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**



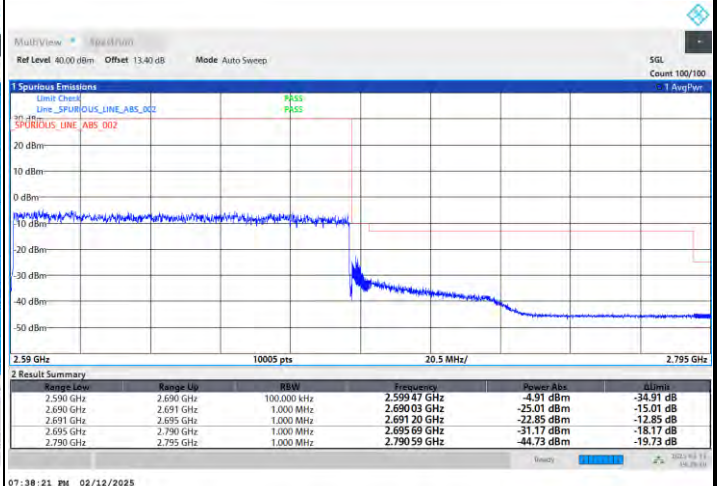
FR1 n41 / 100MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB



09:53:33 AM 02/12/2025

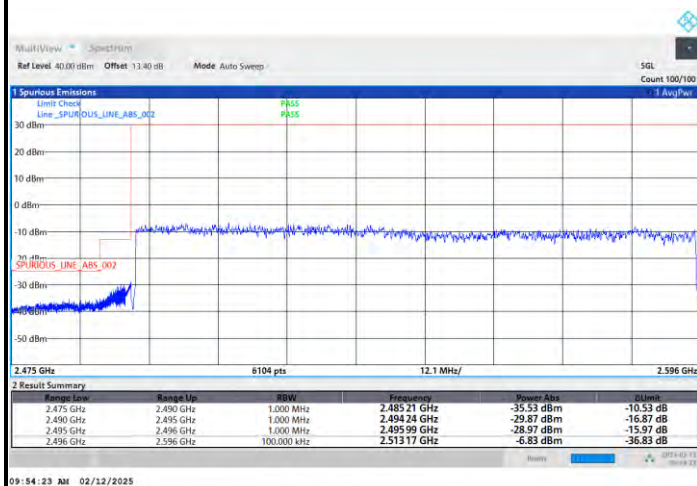
Highest Band Edge / Full RB



07:38:21 PM 02/12/2025

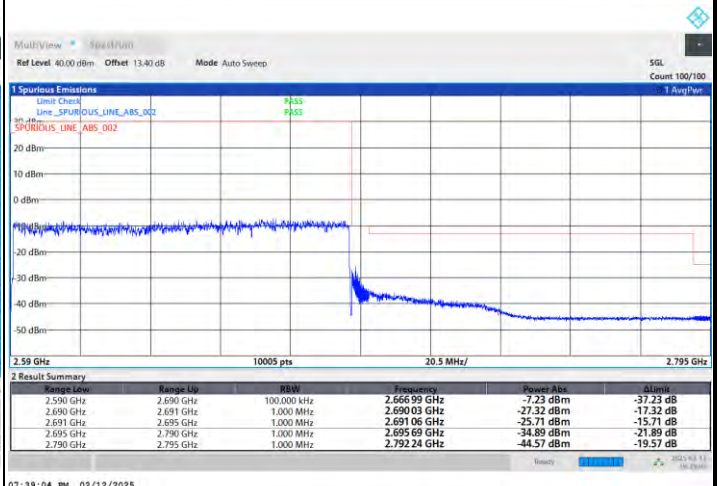
FR1 n41 / 100MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



09:54:23 AM 02/12/2025

Highest Band Edge / Full RB



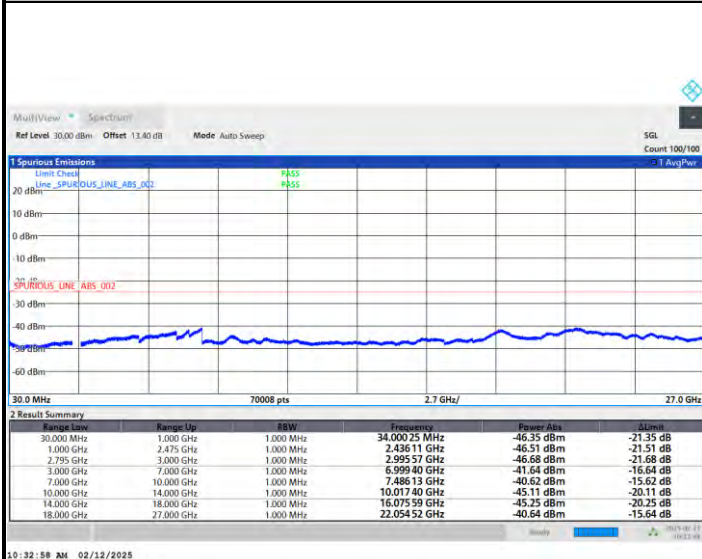
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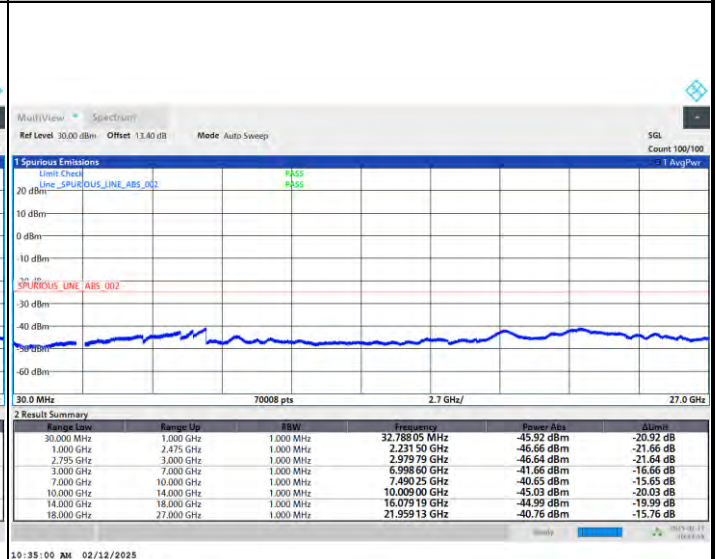
Conducted Spurious Emission

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

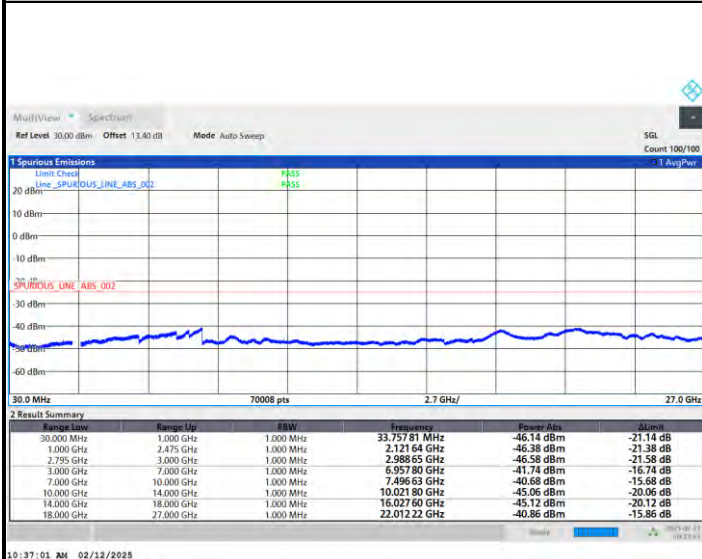
Lowest Channel



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	0.0109	PASS
40	Normal Voltage	0.0107	
30	Normal Voltage	0.0085	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0127	
-10	Normal Voltage	0.0072	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0103	
20	Maximum Voltage	0.0211	
20	Normal Voltage	0.0170	
20	Minimum Voltage	0.0105	

Note:

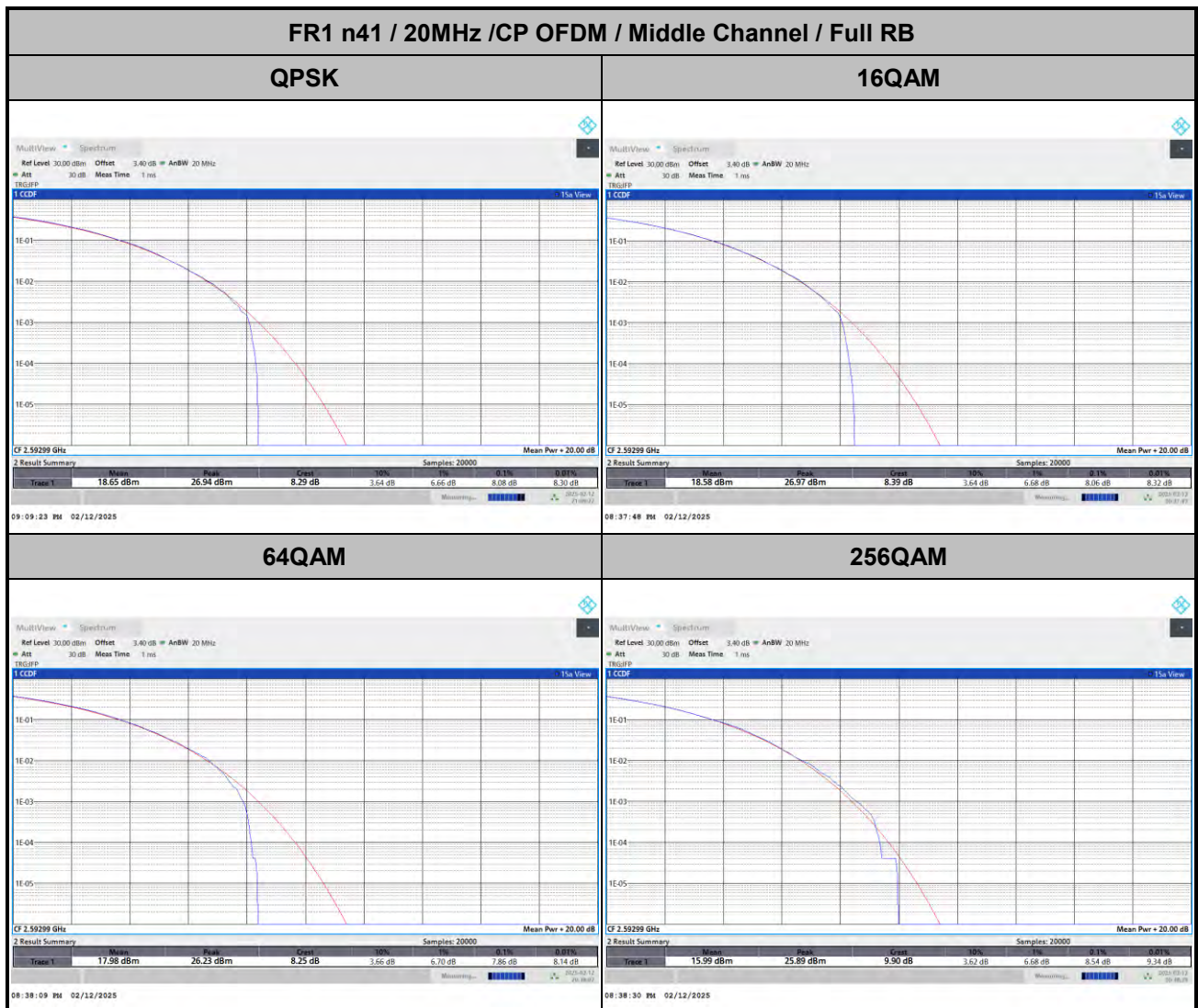
1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



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	8.08	8.06	7.86	8.54	PASS



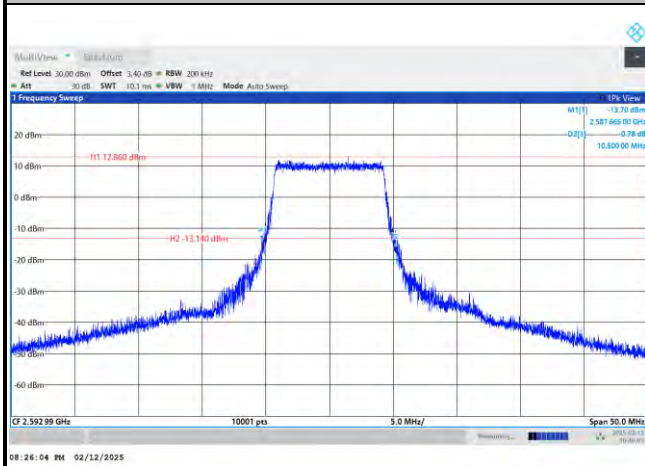
**26dB Bandwidth**

Mode	FR1 n41 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	10.50	10.52	15.88	15.40	20.37	20.46	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	10.33	10.42	15.44	15.24	20.49	20.54	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	31.24	31.04	42.62	42.92	51.88	51.88	66.81	70.74
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	30.95	30.84	42.50	42.10	52.35	52.20	66.87	67.42
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	76.77	76.68	84.07	84.15	96.97	96.15	106.95	106.32
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	77.38	75.97	84.47	84.56	97.46	97.33	106.14	105.75

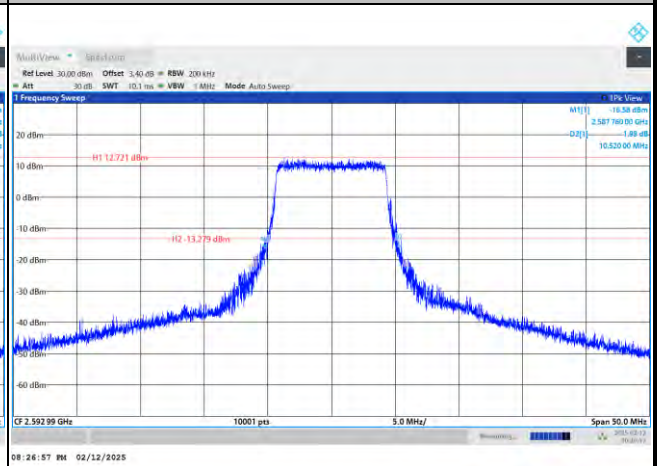


FR1 n41 / 10MHz / CP OFDM / Middle Channel / Full RB

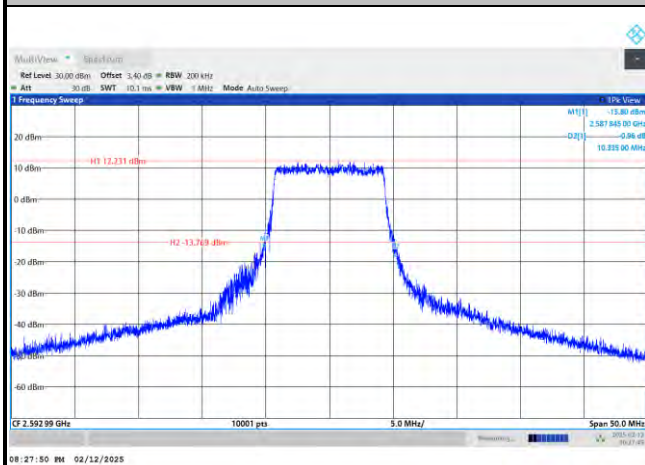
QPSK



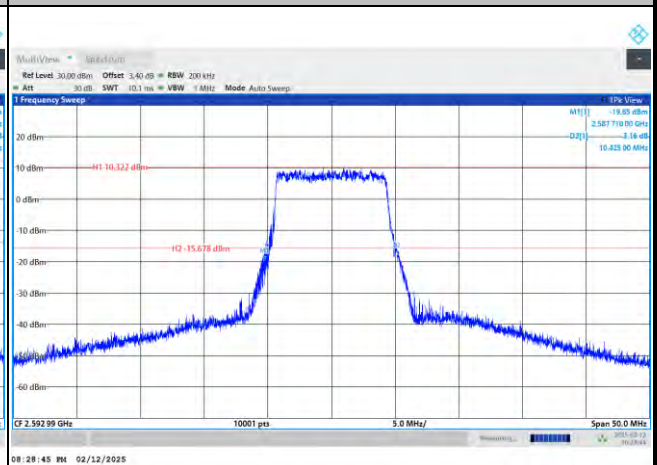
16QAM



64QAM



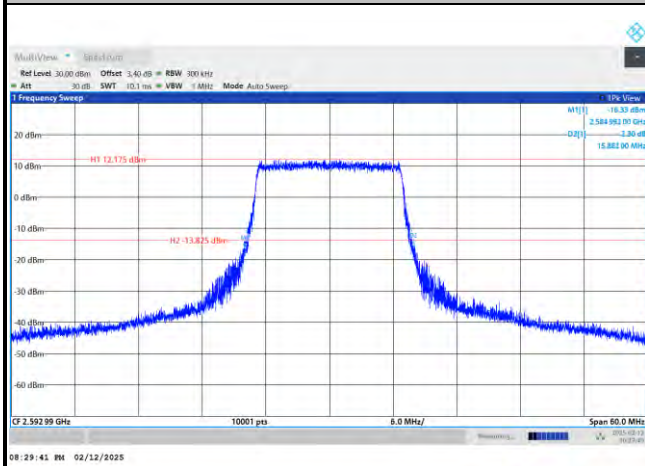
256QAM





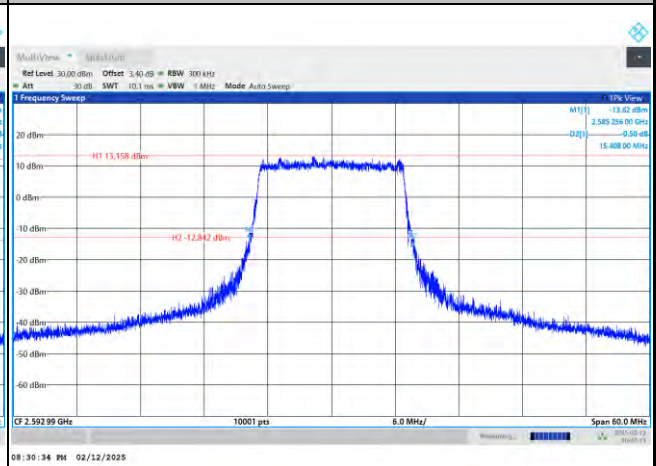
FR1 n41 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



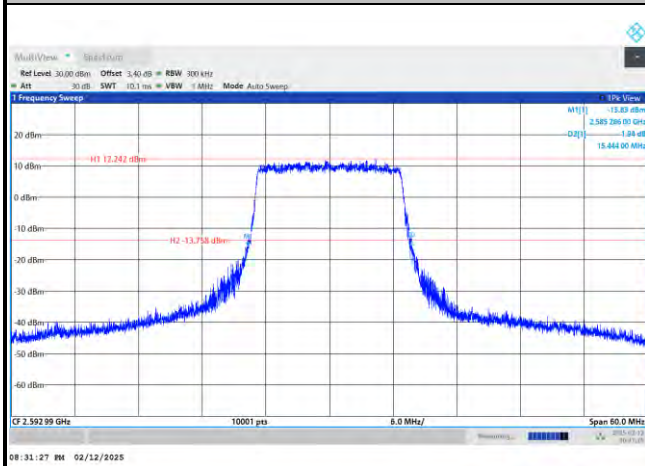
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16QAM



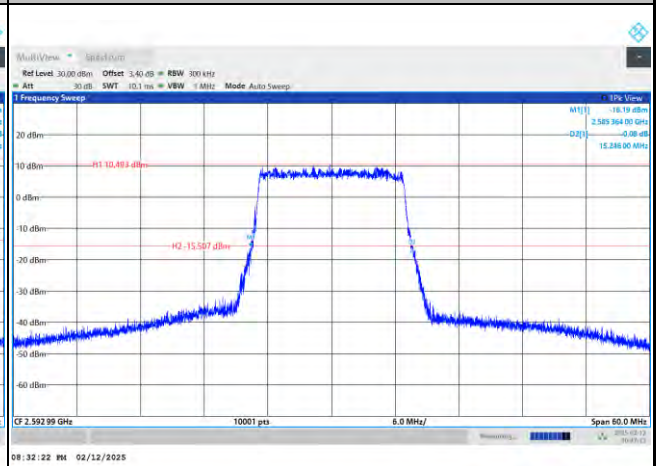
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64QAM



08:31:27 PM 02/12/2025

256QAM

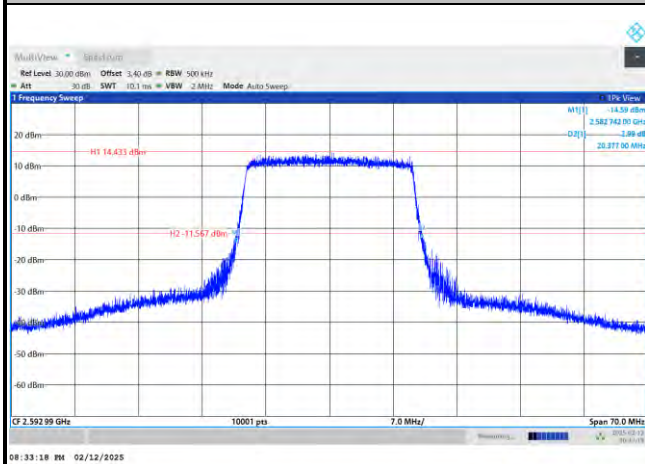


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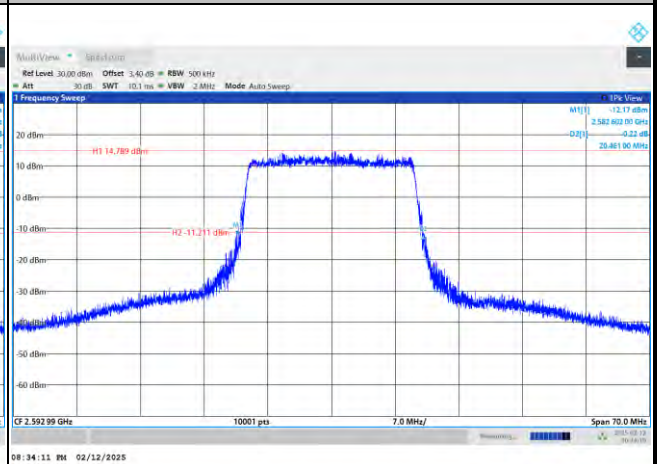


FR1 n41 / 20MHz / CP OFDM / Middle Channel / Full RB

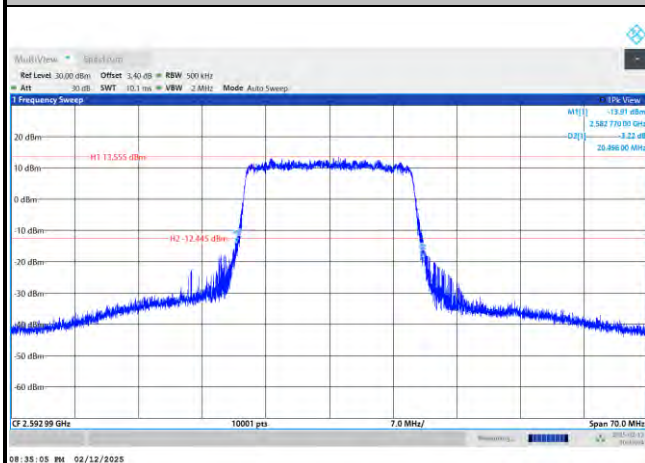
QPSK



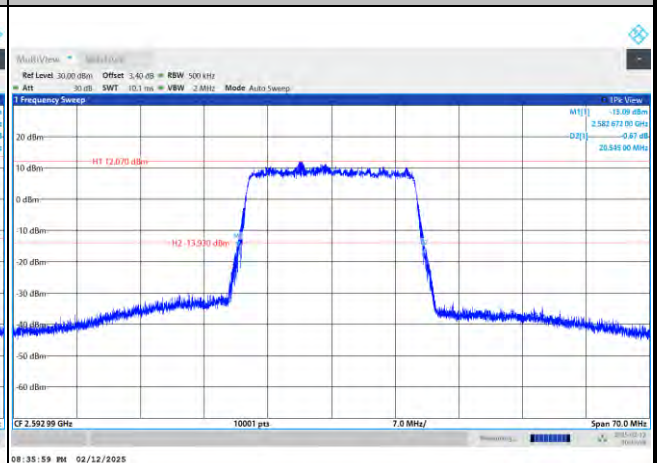
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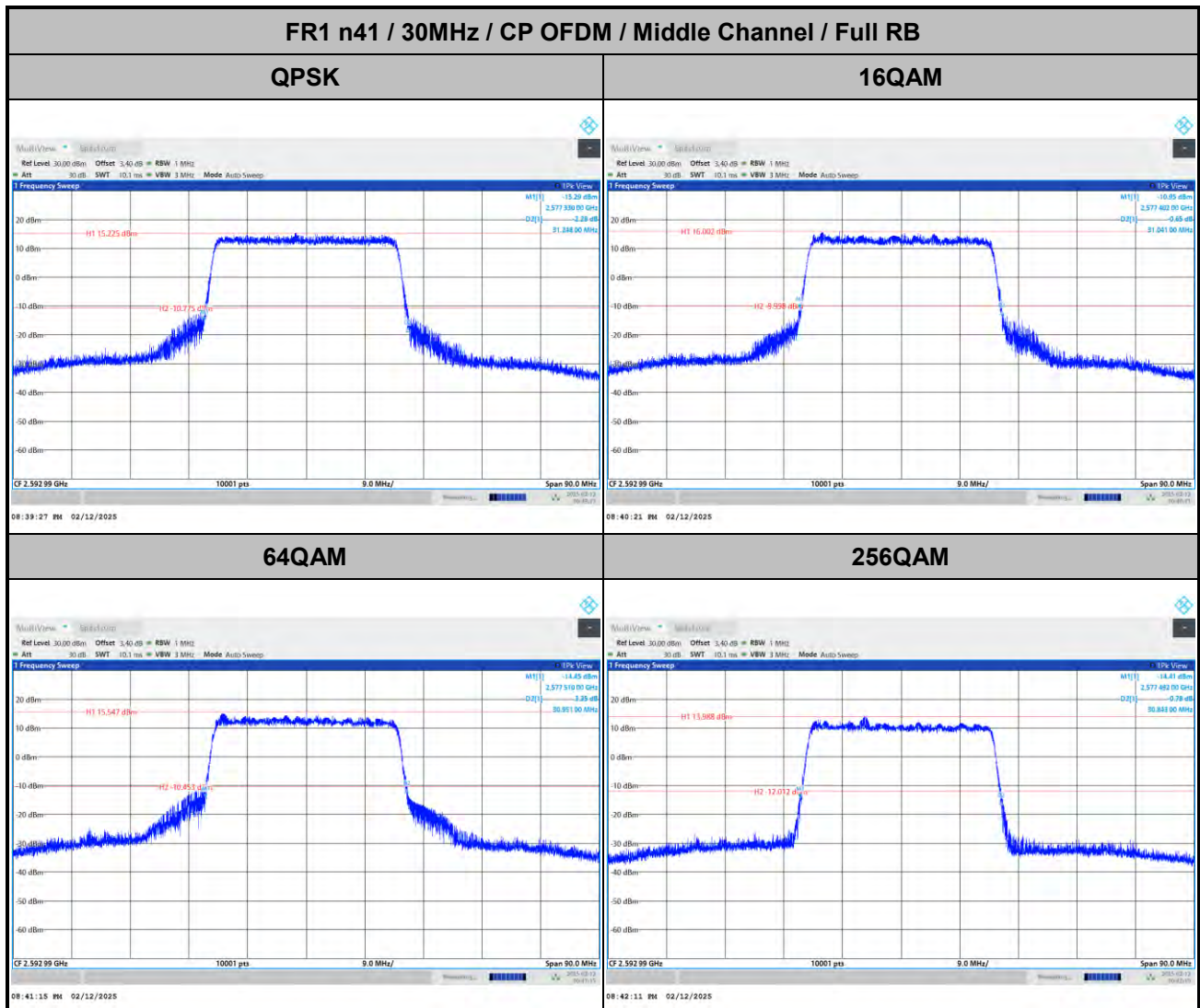


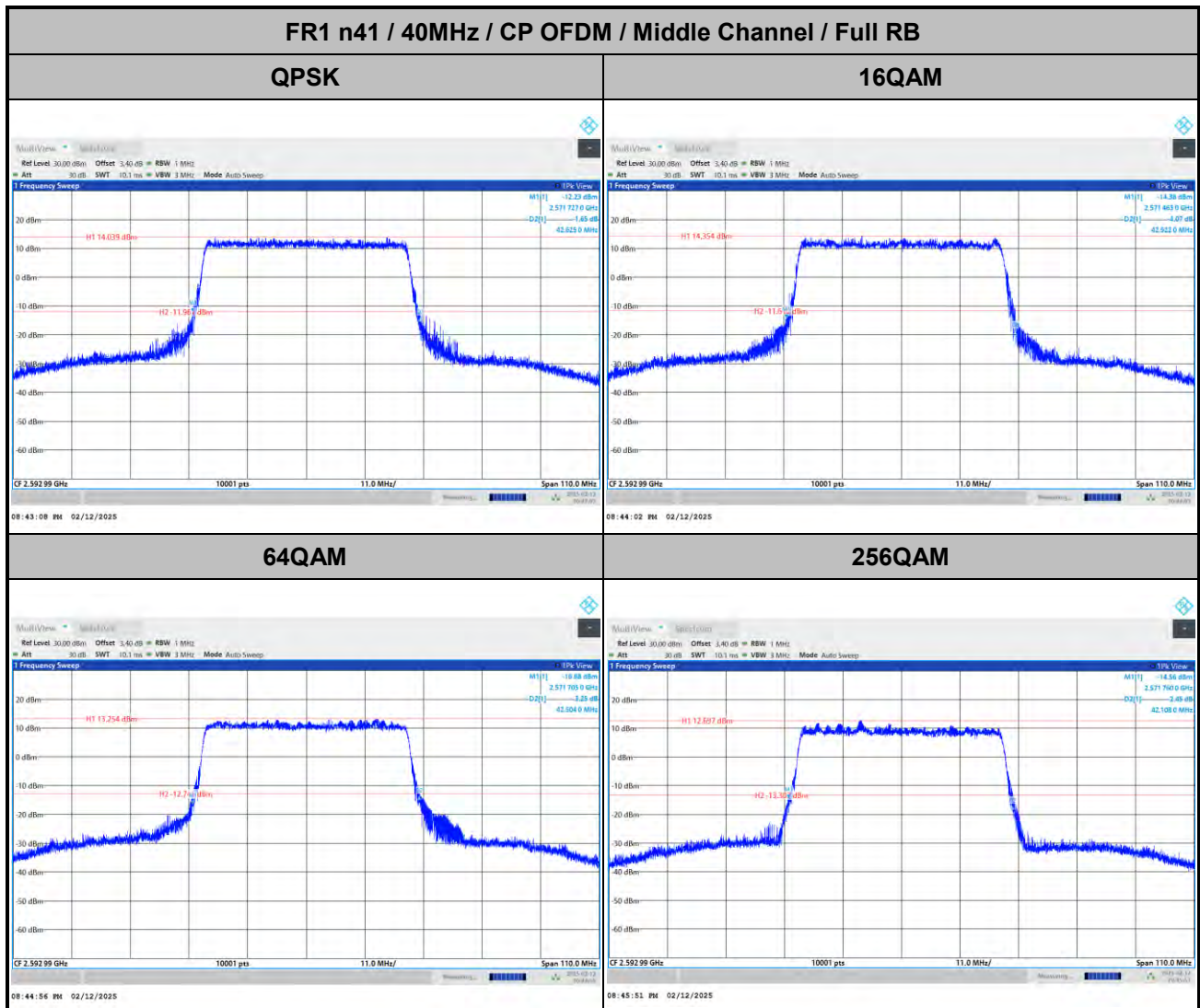
64QAM

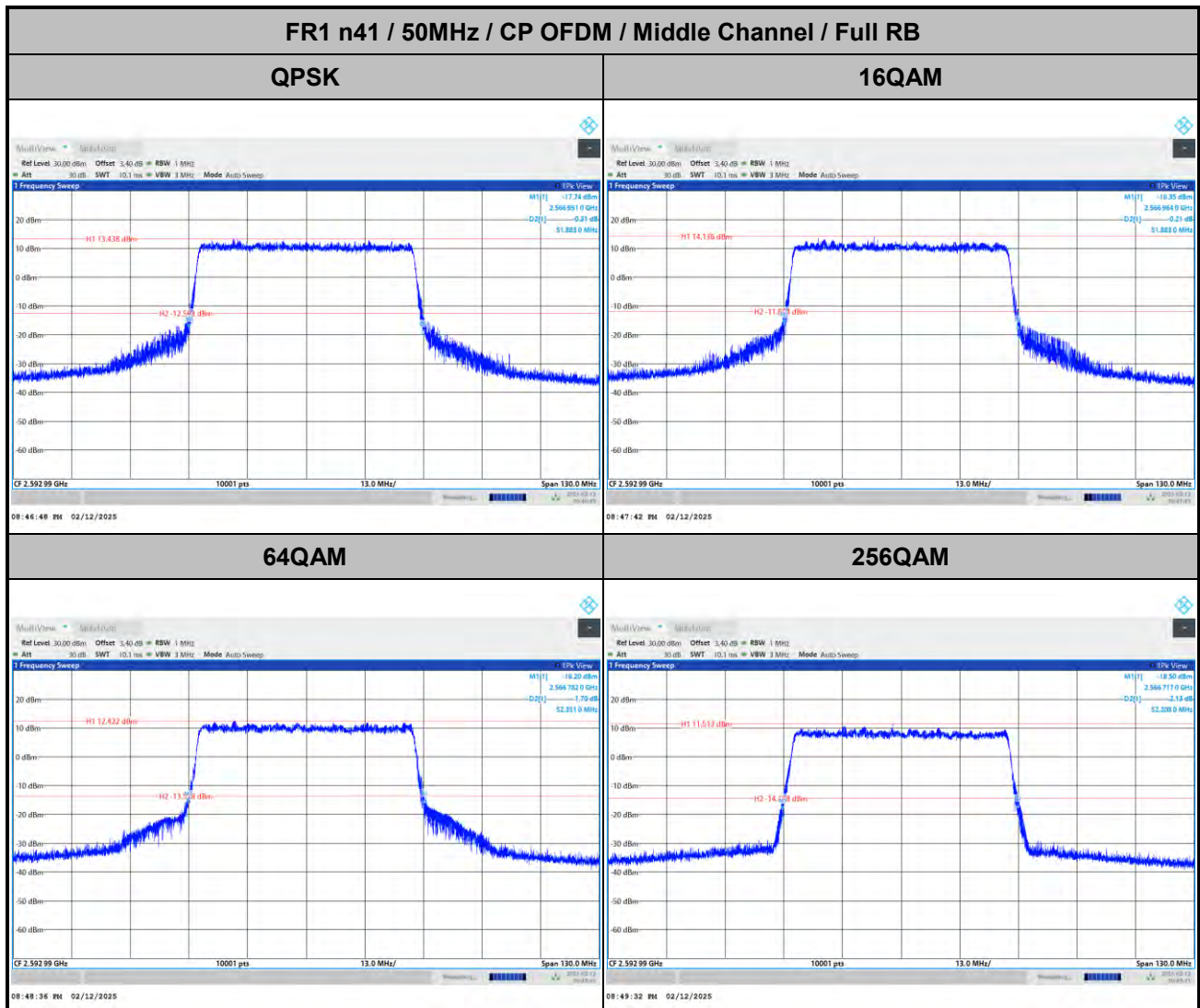


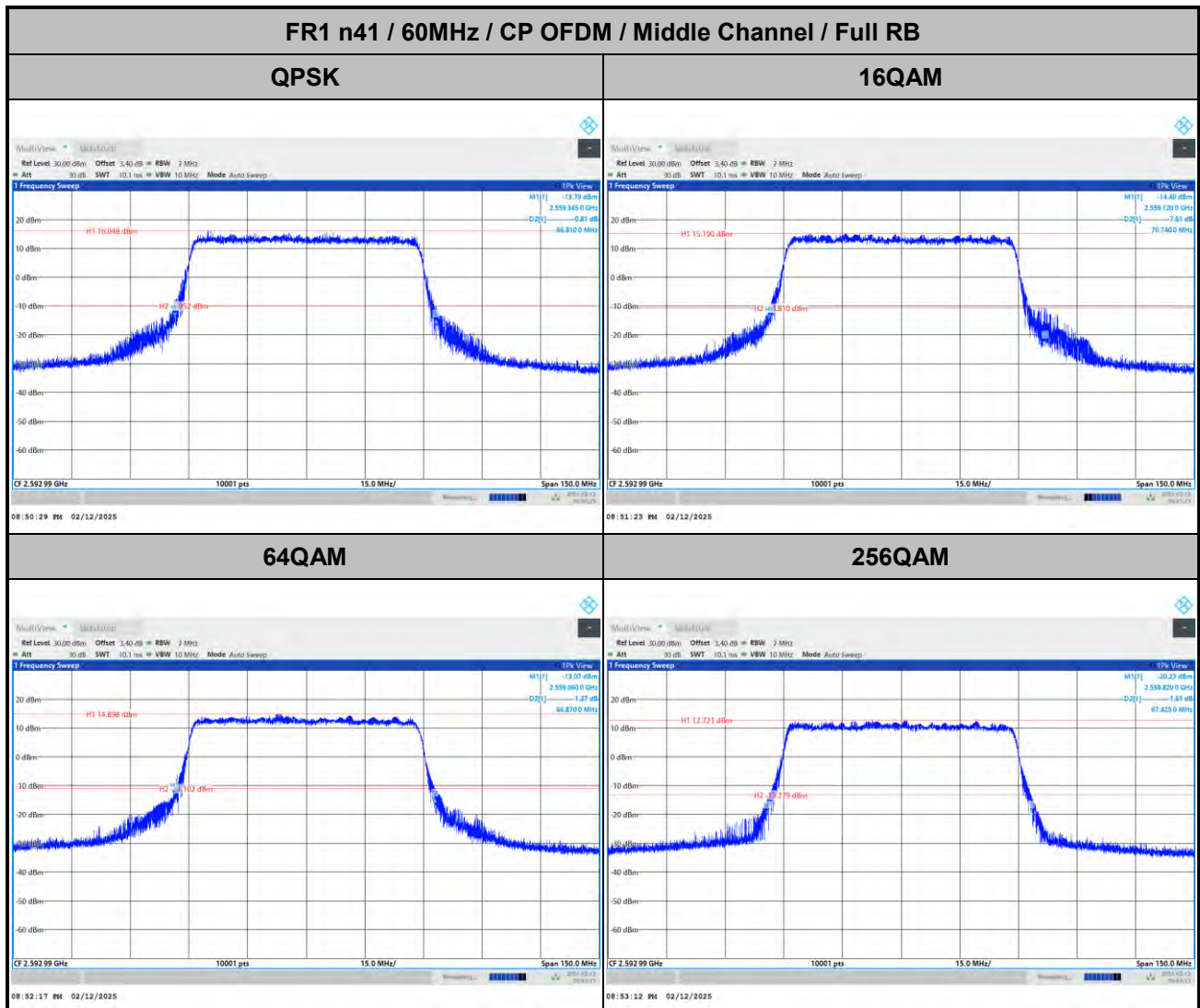
256QAM







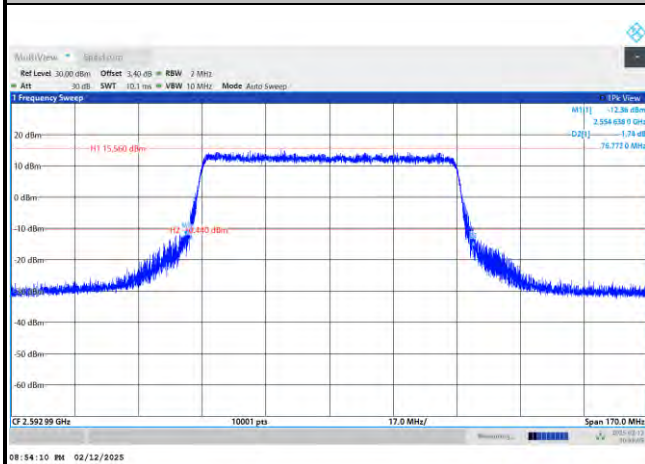




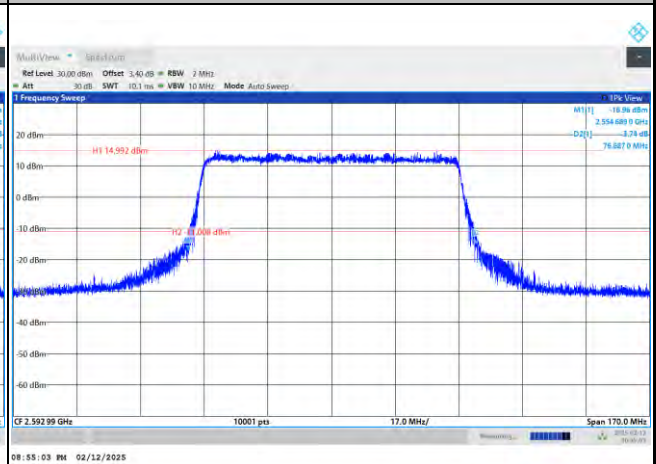


FR1 n41 / 70MHz / CP OFDM / Middle Channel / Full RB

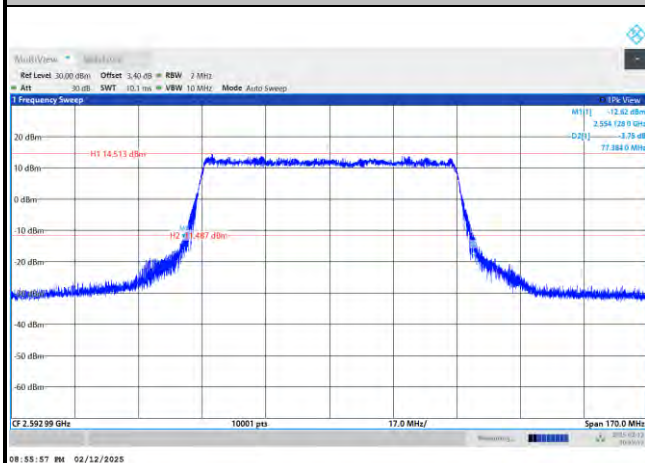
QPSK



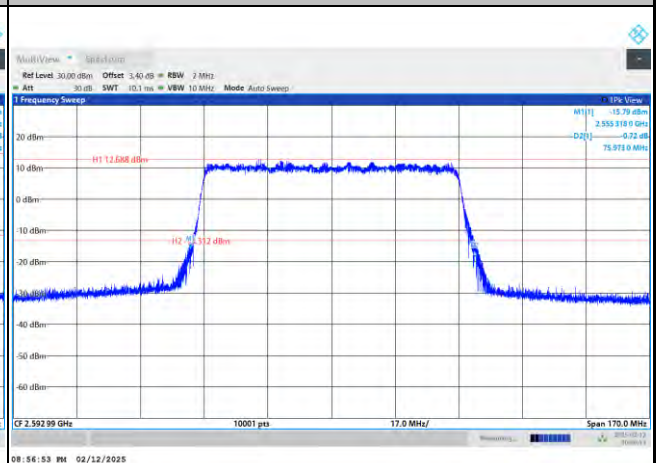
16QAM



64QAM



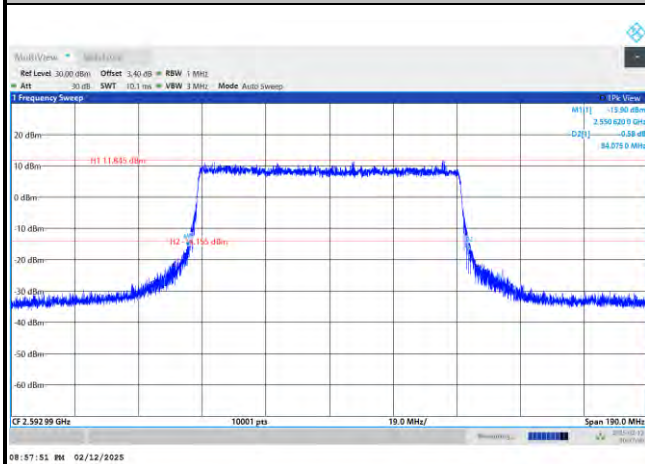
256QAM





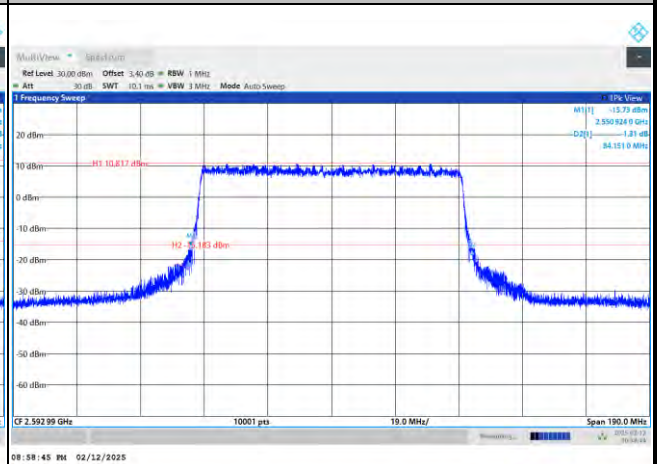
FR1 n41 / 80MHz / CP OFDM / Middle Channel / Full RB

QPSK



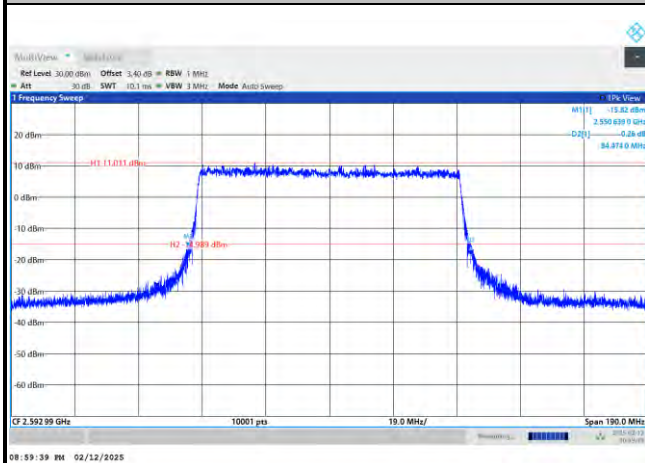
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16QAM



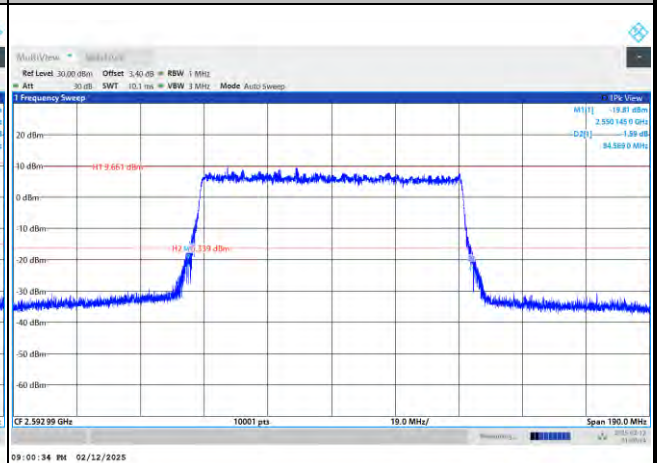
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64QAM

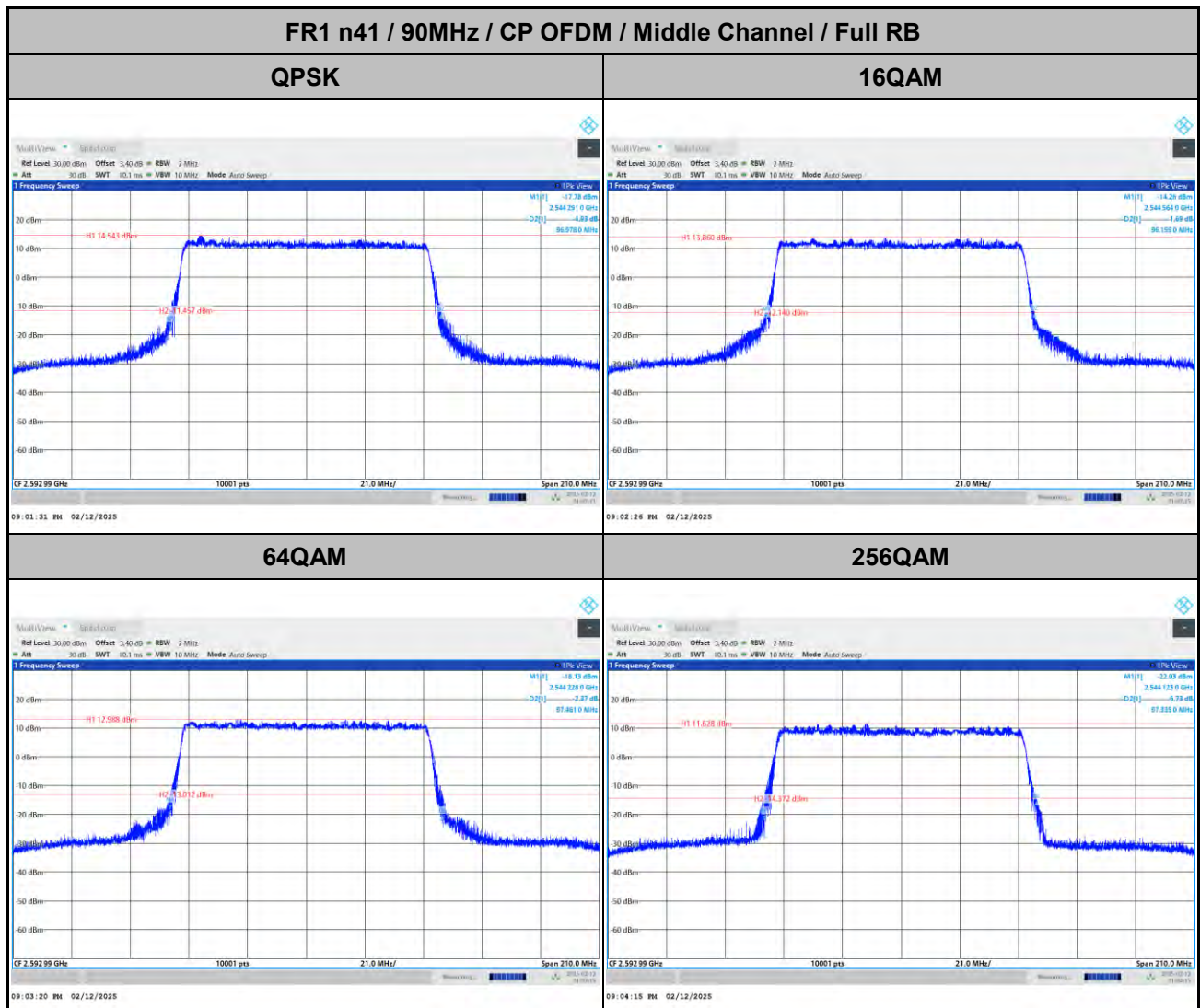


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256QAM



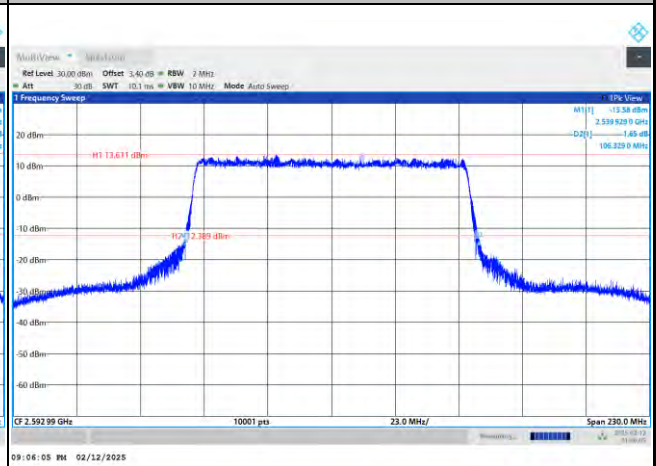
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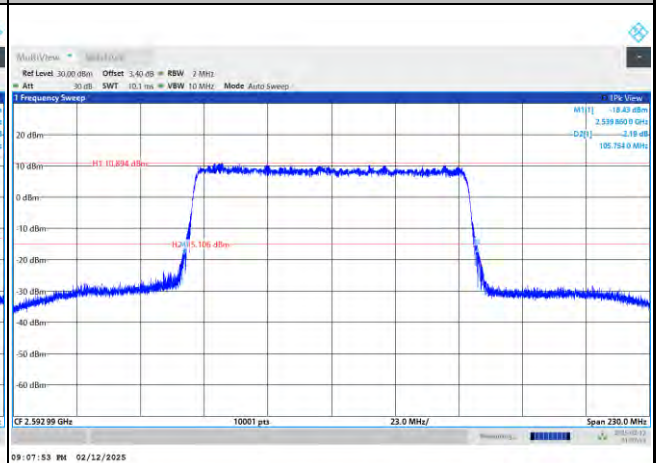


FR1 n41 / 100MHz / CP OFDM / Middle Channel / Full RB

16QAM



256QAM



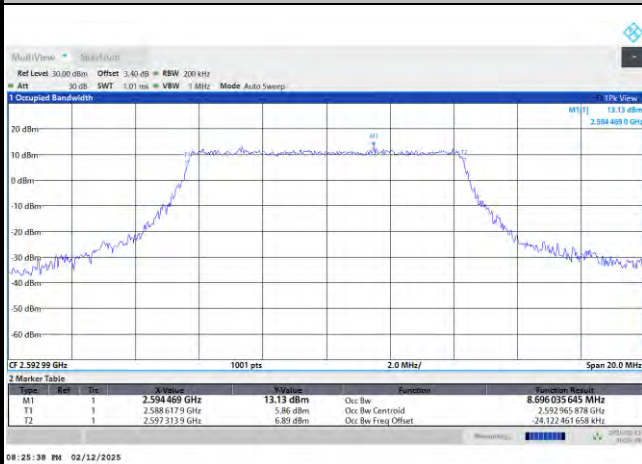
**Occupied Bandwidth**

Mode	FR1 n41 : OB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.69	8.68	13.70	13.66	18.33	18.29	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.65	8.71	13.62	13.63	18.31	18.37	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	28.21	28.10	38.09	38.12	47.62	47.63	58.64	58.43
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	28.26	28.18	38.10	38.02	47.75	47.66	58.51	58.75
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	68.19	68.37	77.98	78.23	87.93	87.99	97.86	97.94
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	68.31	68.05	78.22	78.15	88.05	88.21	97.91	97.69

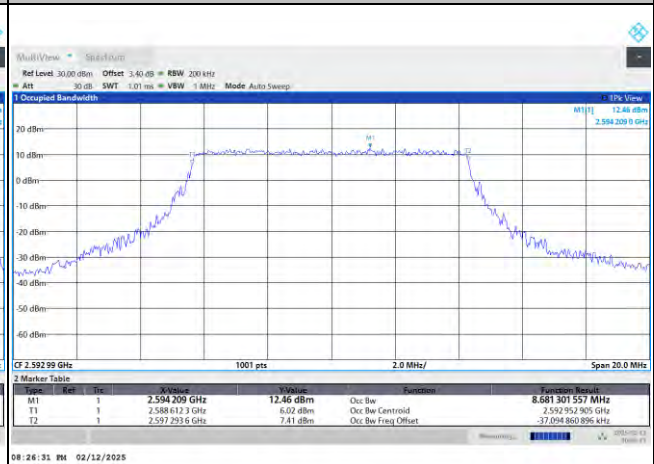


FR1 n41 / 10MHz / CP OFDM / Middle Channel / Full RB

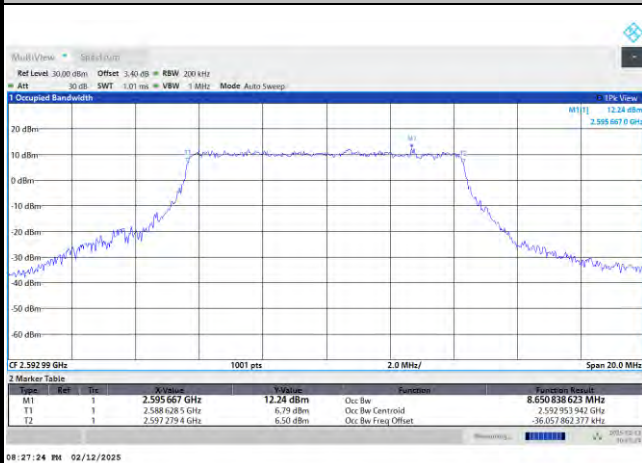
QPSK



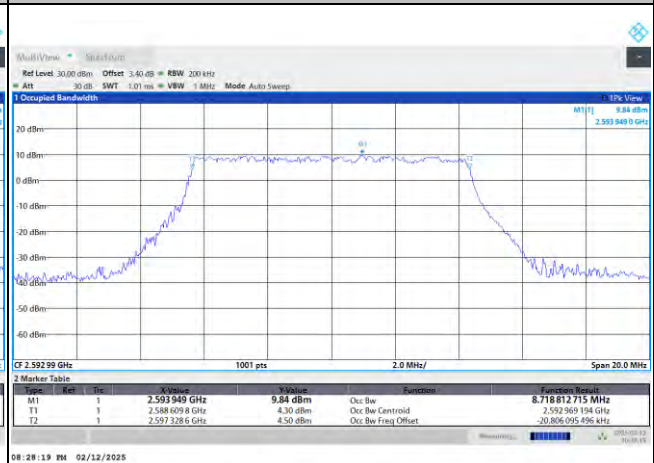
16QAM



64QAM



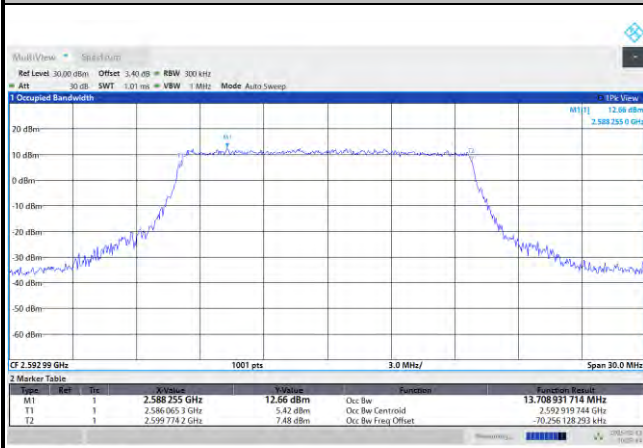
256QAM



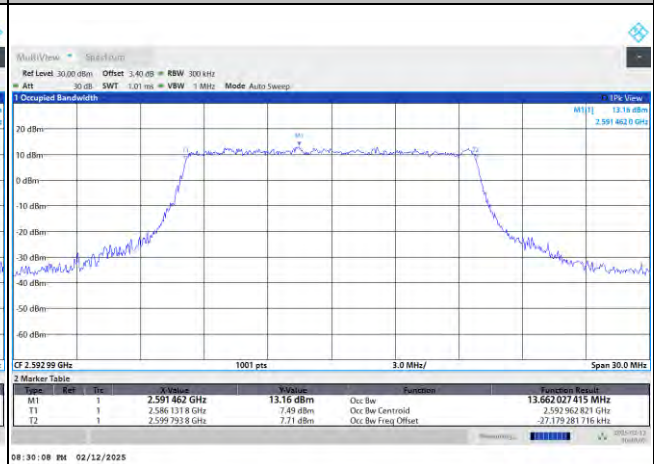


FR1 n41 / 15MHz / CP OFDM / Middle Channel / Full RB

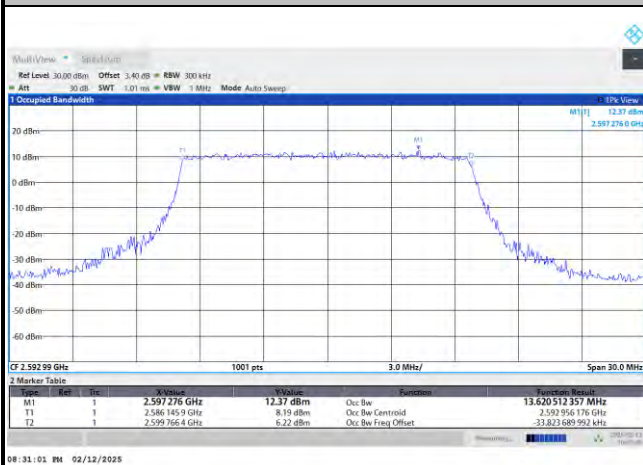
QPSK



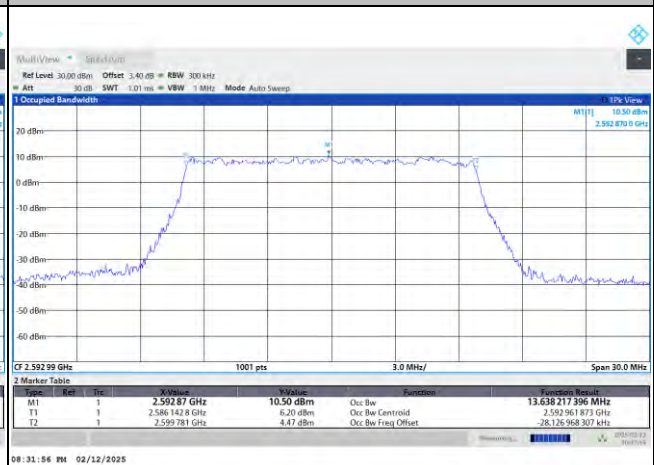
16QAM



64QAM

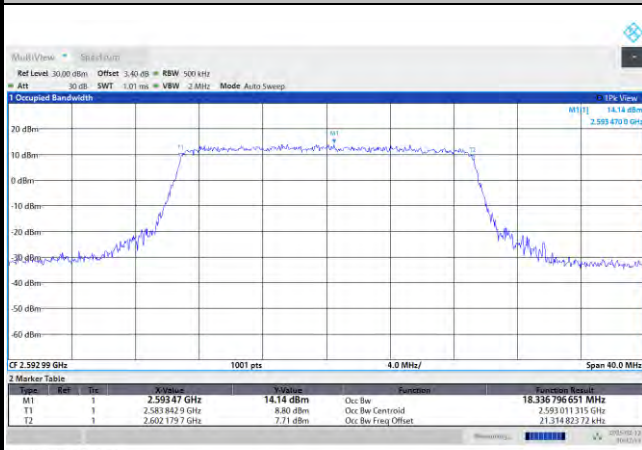


256QAM



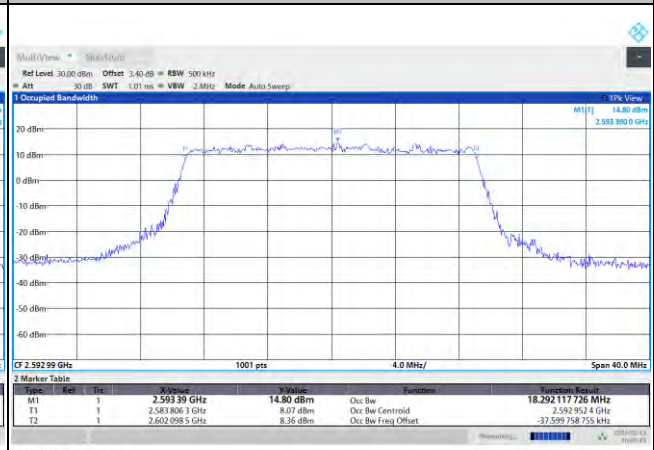
FR1 n41 / 20MHz / CP OFDM / Middle Channel / Full RB

QPSK



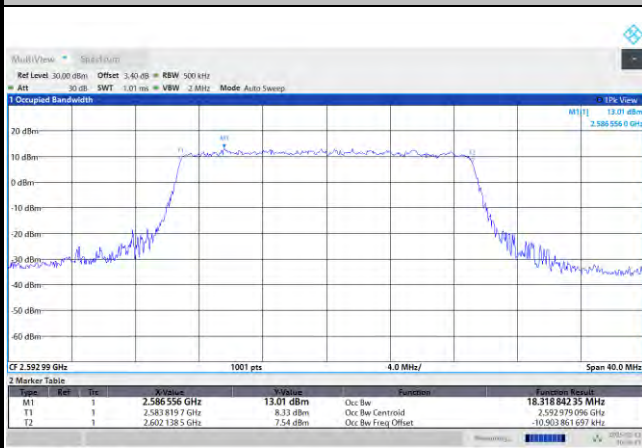
08:32:52 PM 02/12/2025

16QAM



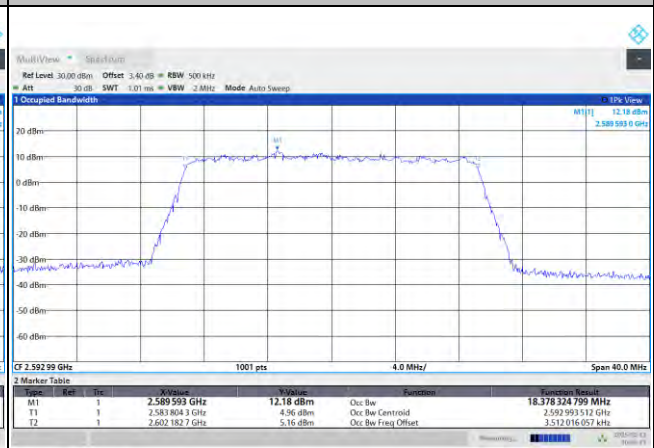
08:33:45 PM 02/12/2025

64QAM



08:34:38 PM 02/12/2025

256QAM

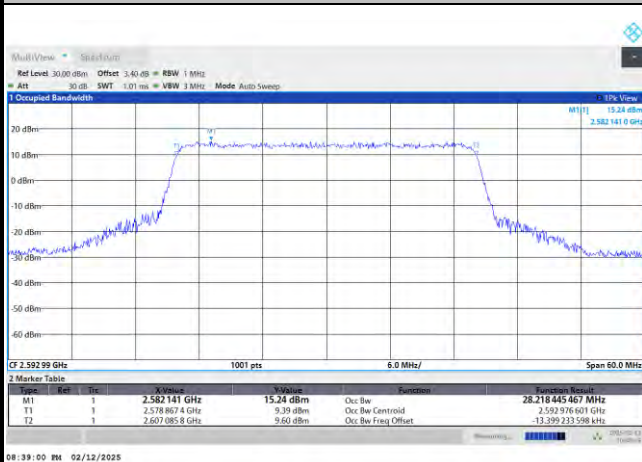


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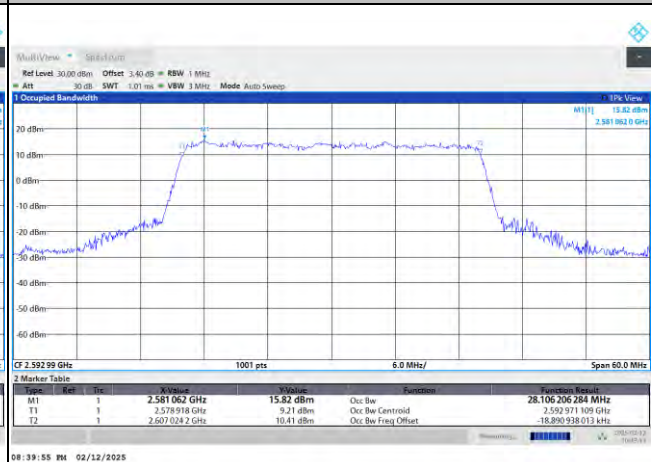
FR1 n41 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



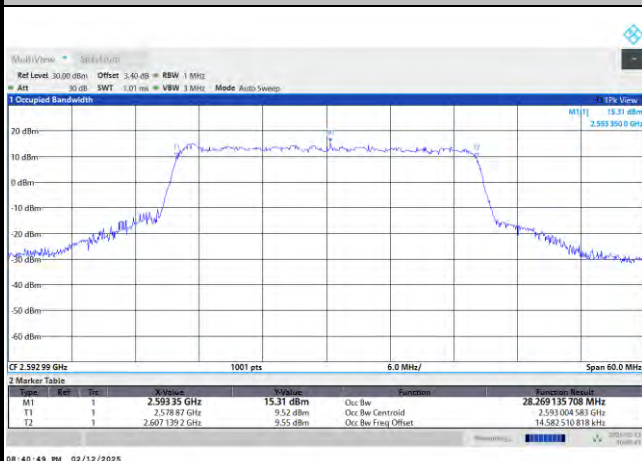
08:39:00 PM 02/12/2025

16QAM



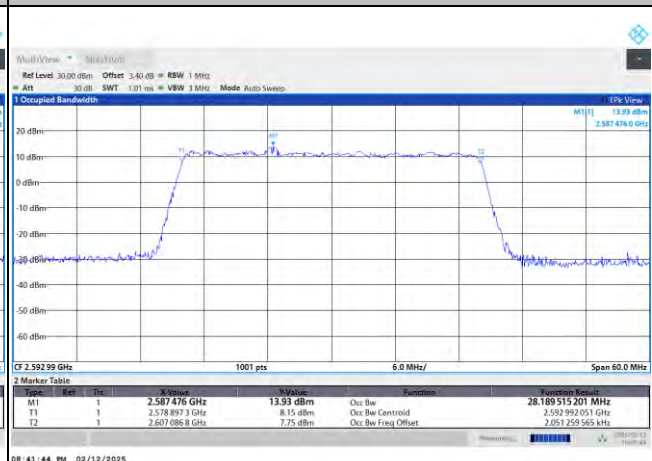
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64QAM



08:40:49 PM 02/12/2025

256QAM

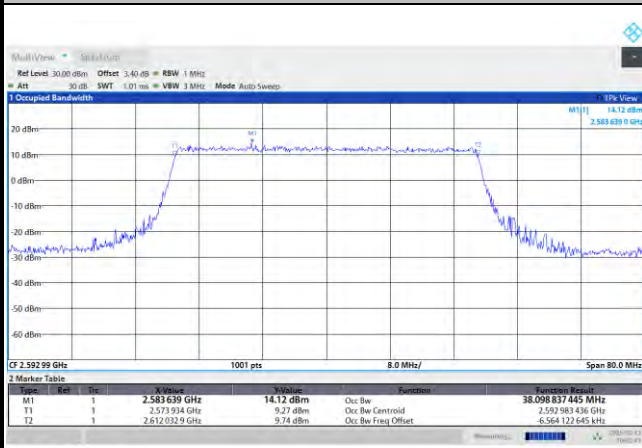


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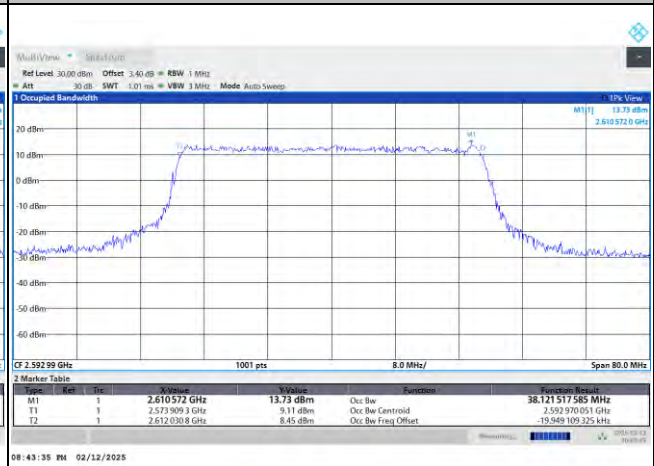


FR1 n41 / 40MHz / CP OFDM / Middle Channel / Full RB

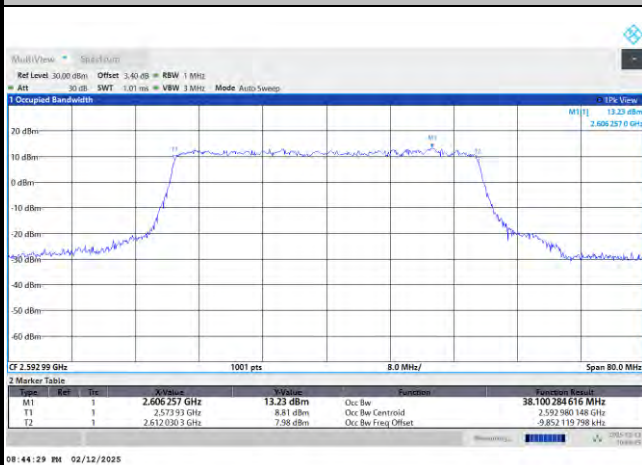
QPSK



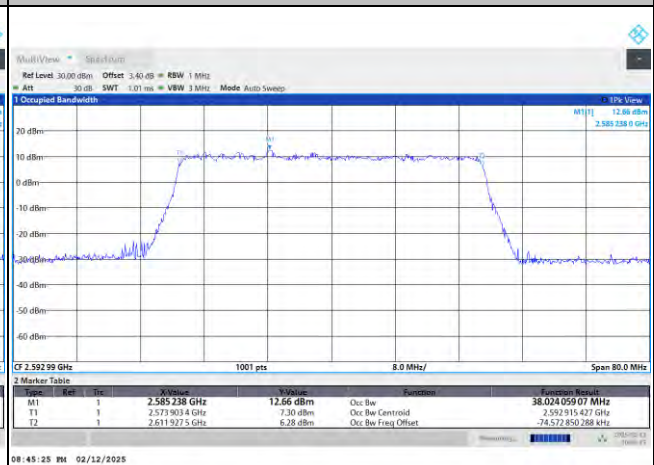
16QAM



64QAM



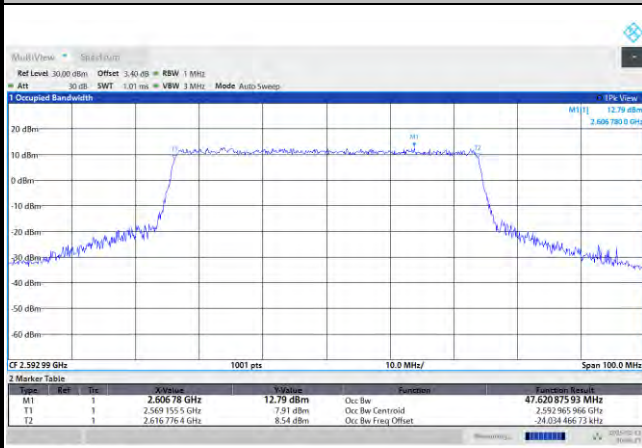
256QAM





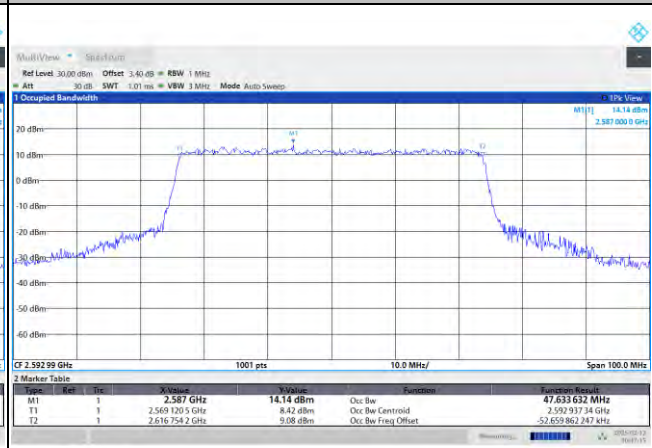
FR1 n41 / 50MHz / CP OFDM / Middle Channel / Full RB

QPSK



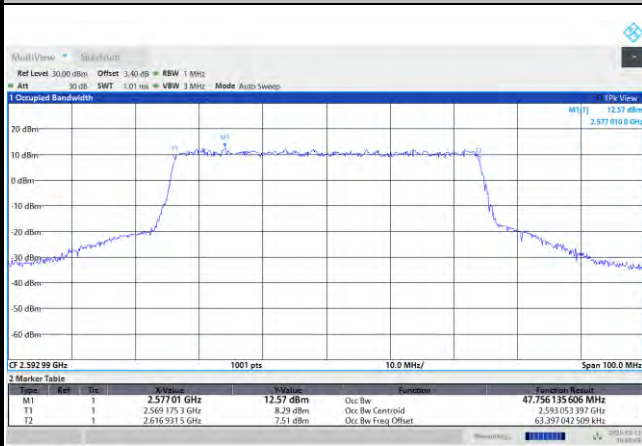
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16QAM



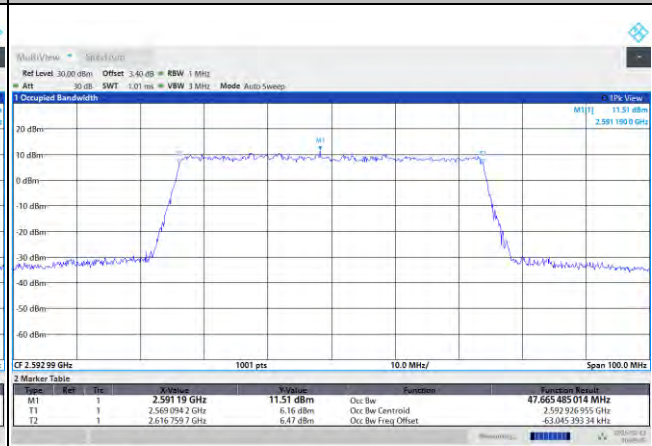
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64QAM



08:48:09 PM 02/12/2025

256QAM

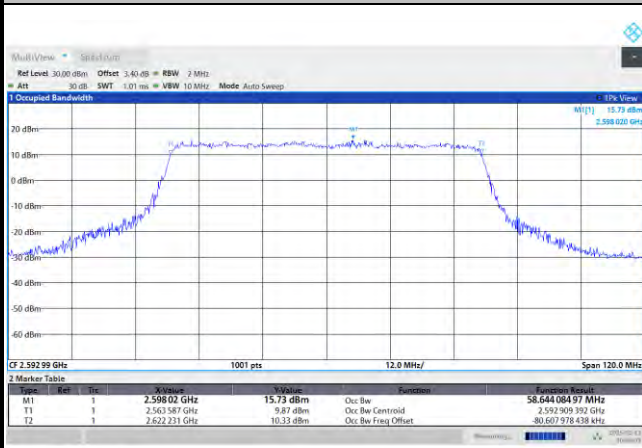


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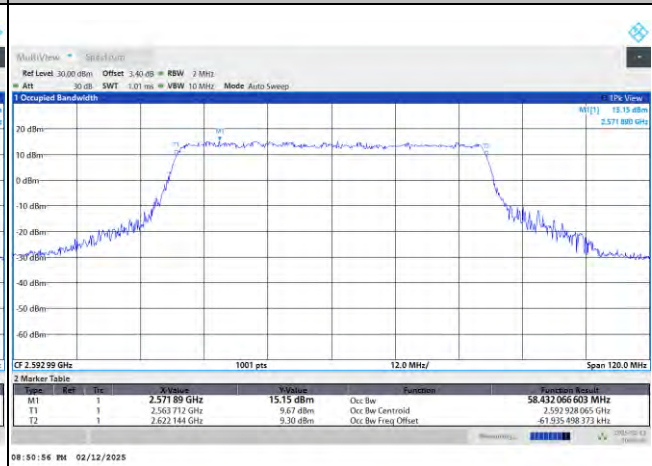


FR1 n41 / 60MHz / CP OFDM / Middle Channel / Full RB

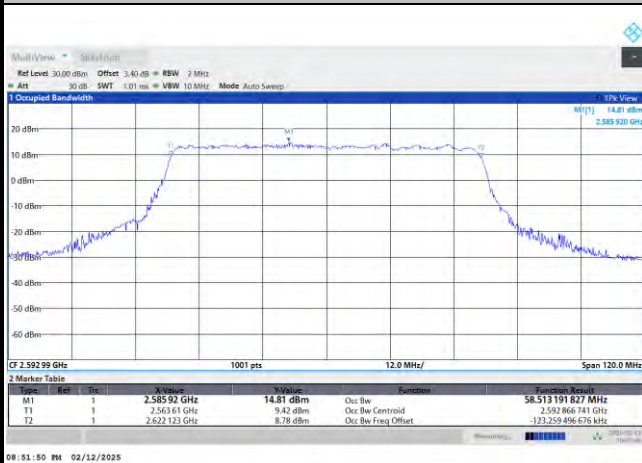
QPSK



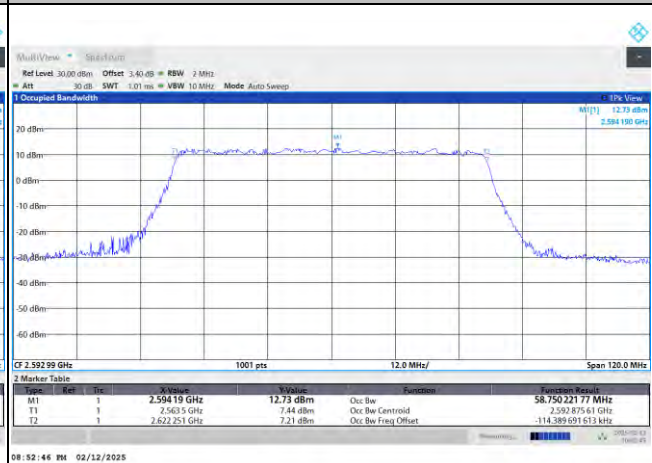
16QAM



64QAM



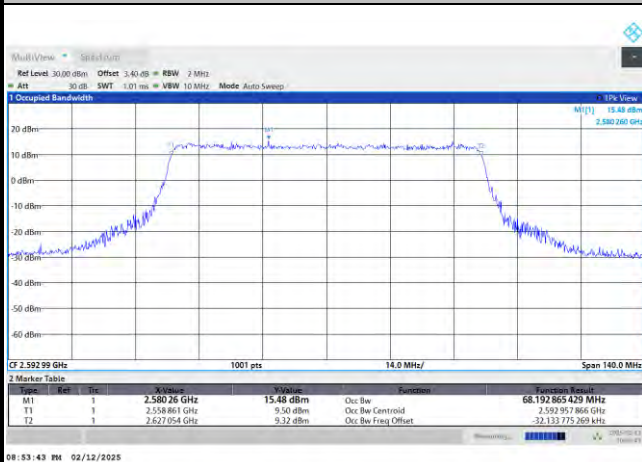
256QAM



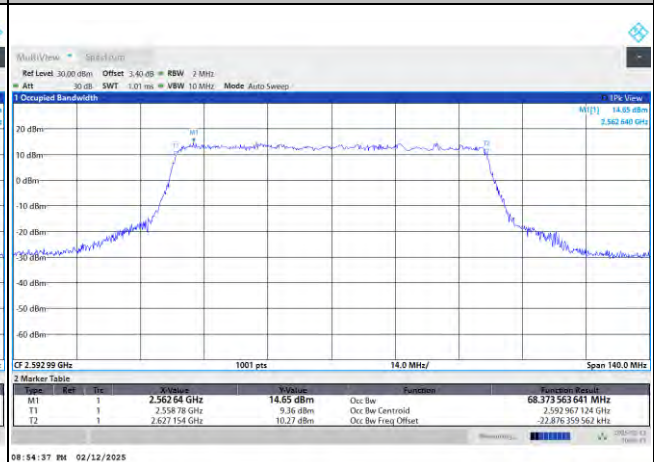


FR1 n41 / 70MHz / CP OFDM / Middle Channel / Full RB

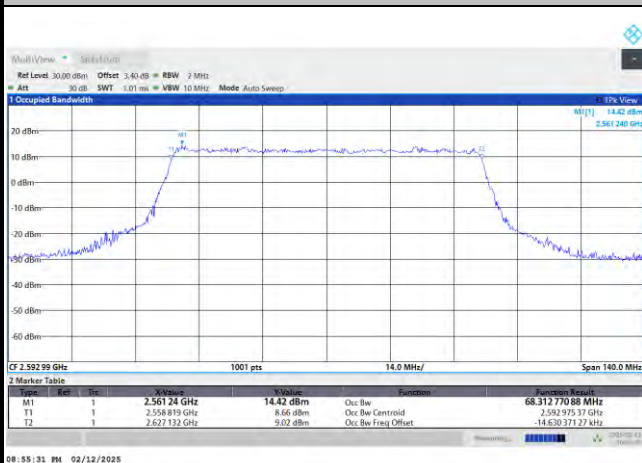
QPSK



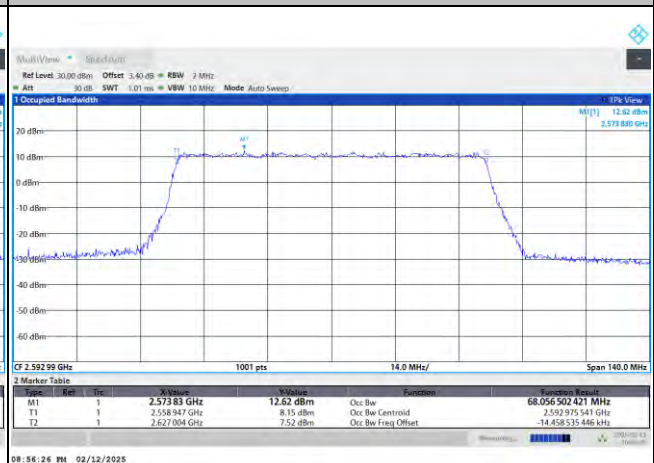
16QAM



64QAM



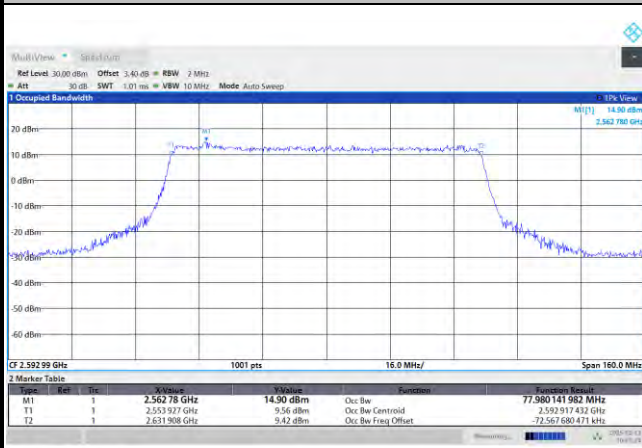
256QAM





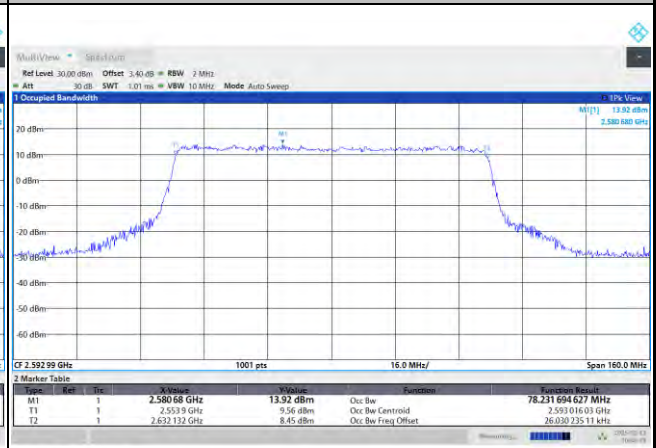
FR1 n41 / 80MHz / CP OFDM / Middle Channel / Full RB

QPSK



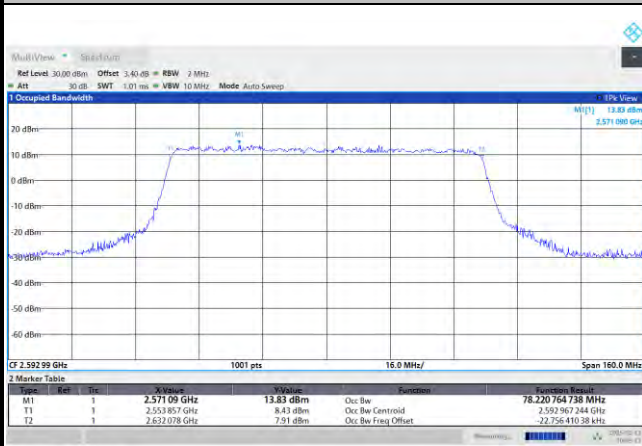
08:57:24 PM 02/12/2025

16QAM



08:58:18 PM 02/12/2025

64QAM



08:59:12 PM 02/12/2025

256QAM

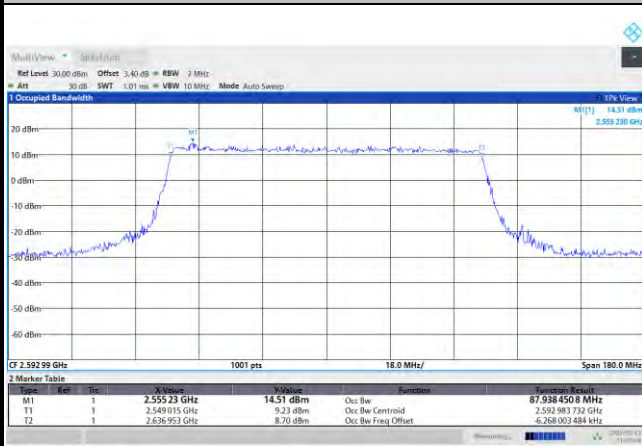


09:00:08 PM 02/12/2025



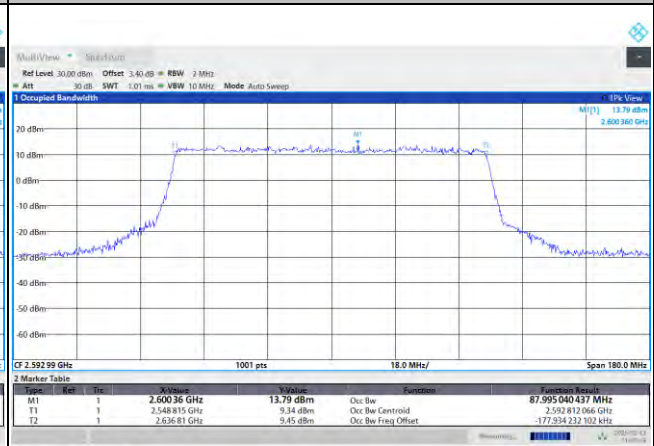
FR1 n41 / 90MHz / CP OFDM / Middle Channel / Full RB

QPSK



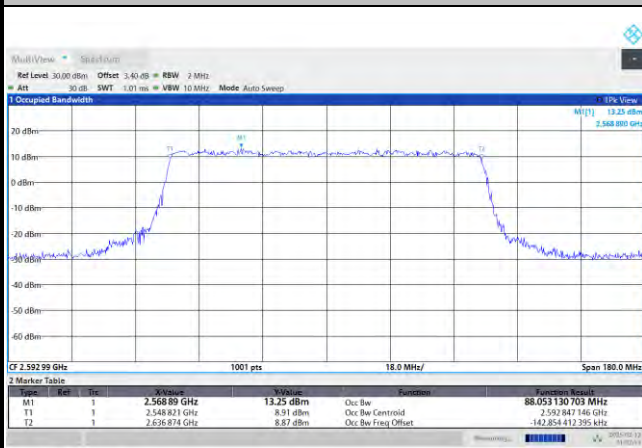
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16QAM



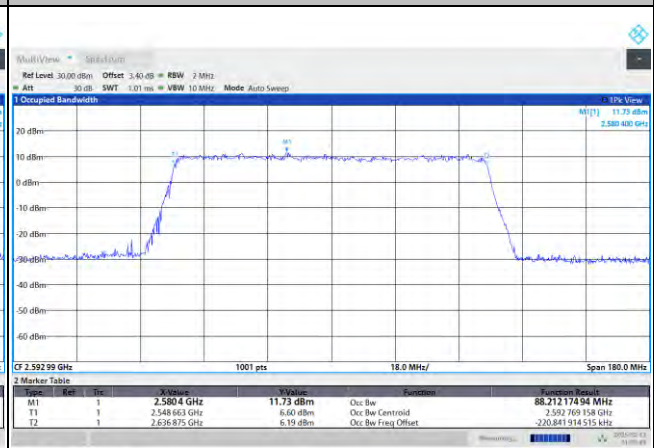
09:01:59 PM 02/12/2025

64QAM



09:02:53 PM 02/12/2025

256QAM

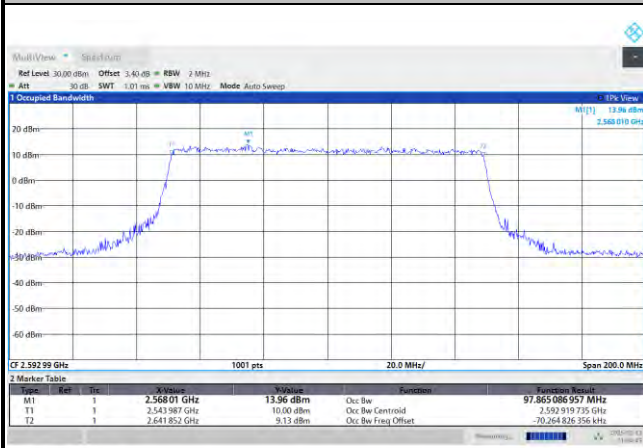


09:03:48 PM 02/12/2025

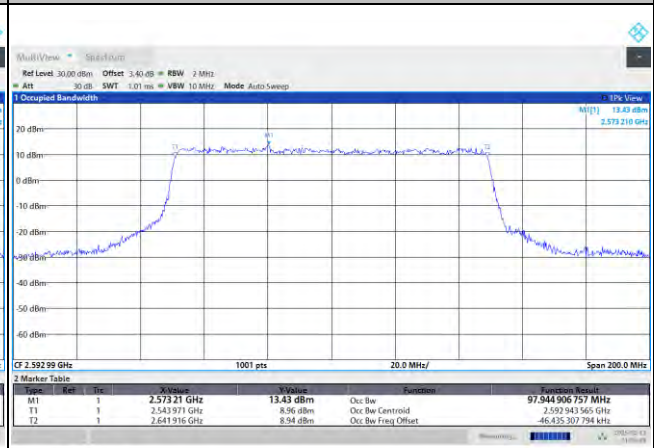


FR1 n41 / 100MHz / CP OFDM / Middle Channel / Full RB

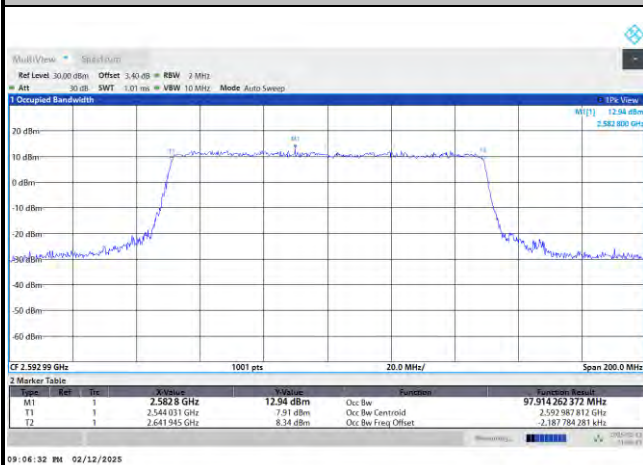
QPSK



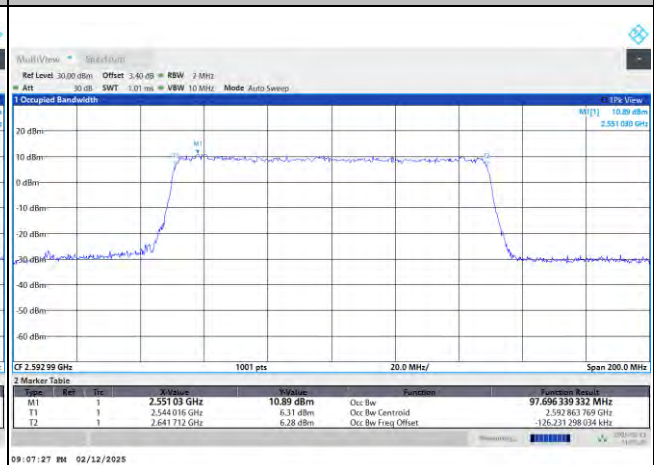
16QAM



64QAM



256QAM



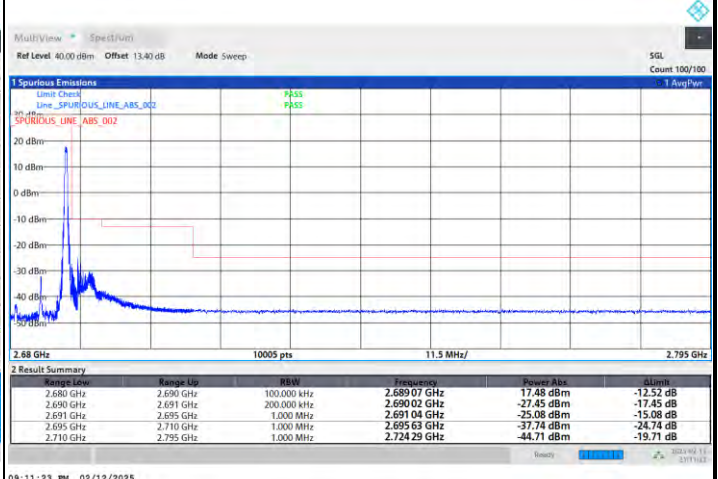


Conducted Band Edge

FR1 n41 / 10MHz / CP OFDM / QPSK

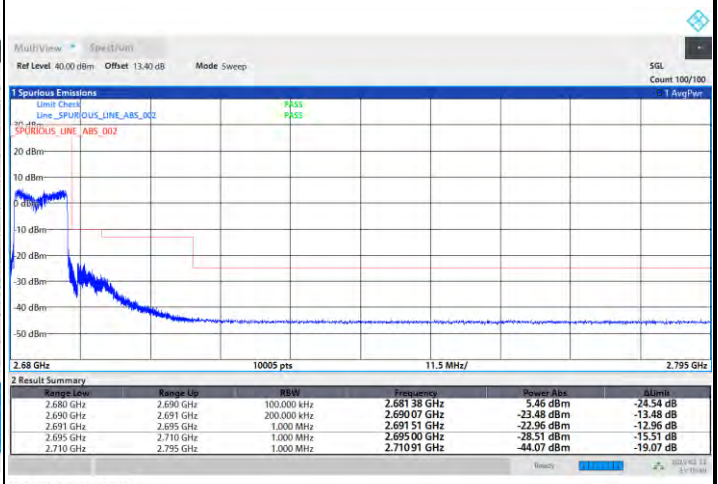
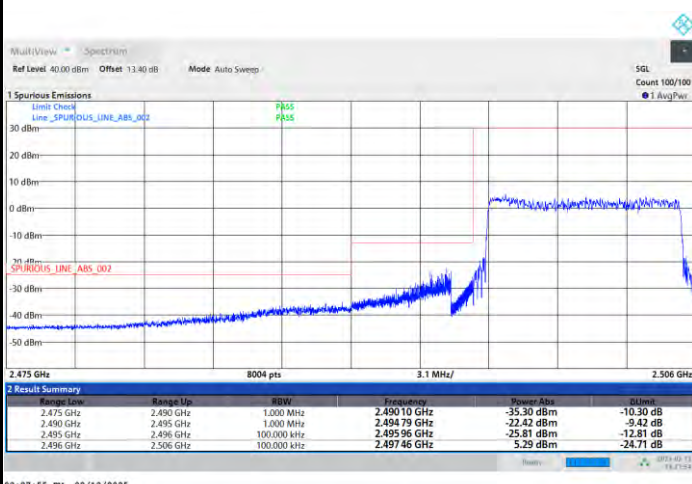
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

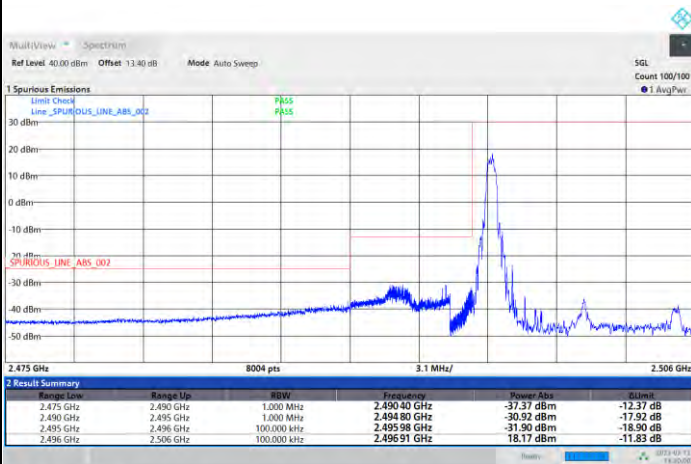




FR1 n41 / 10MHz / CP OFDM / 16QAM

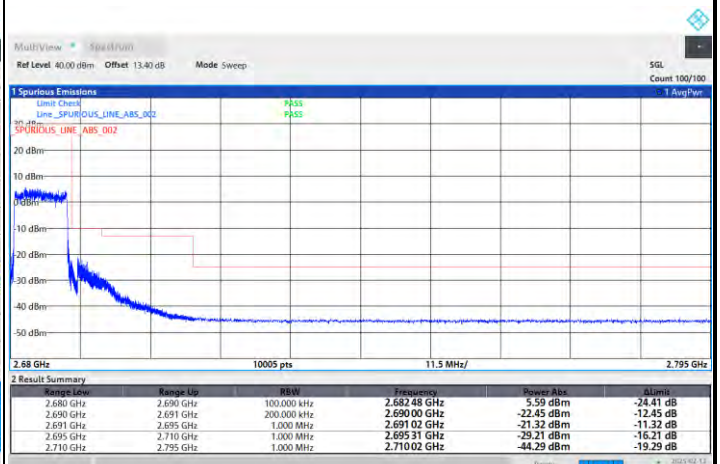
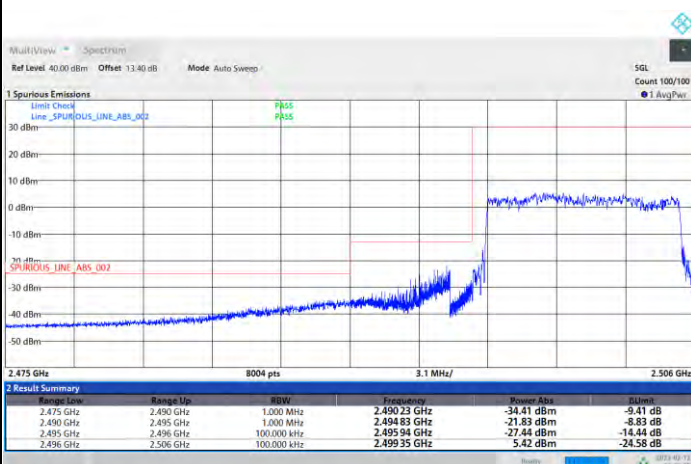
Lowest Band Edge / 1RB0

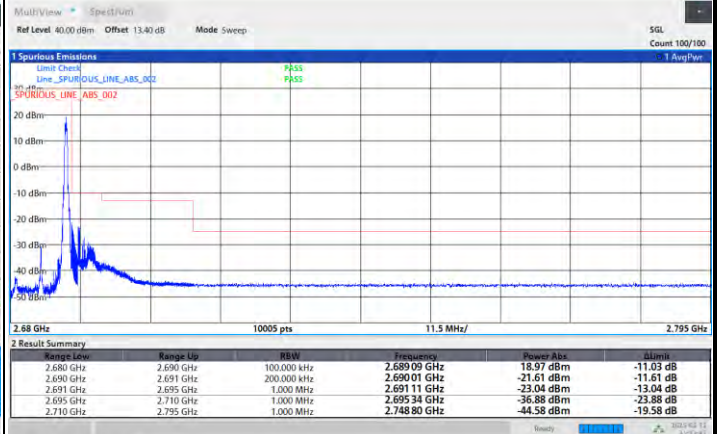
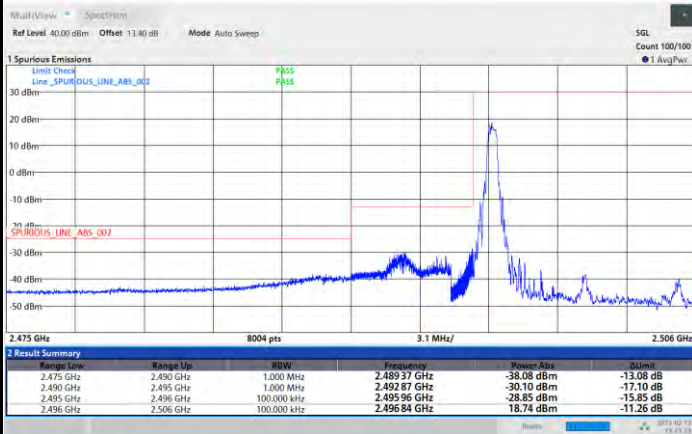
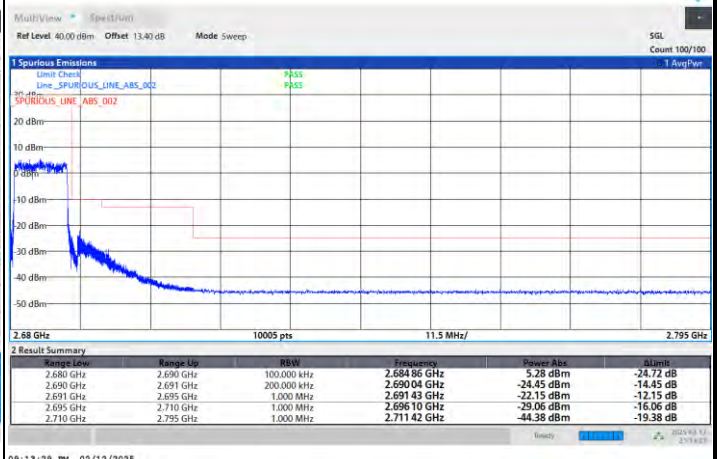
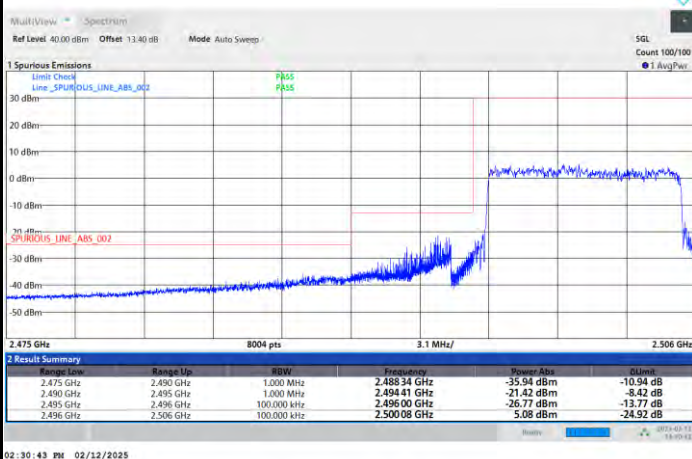
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB



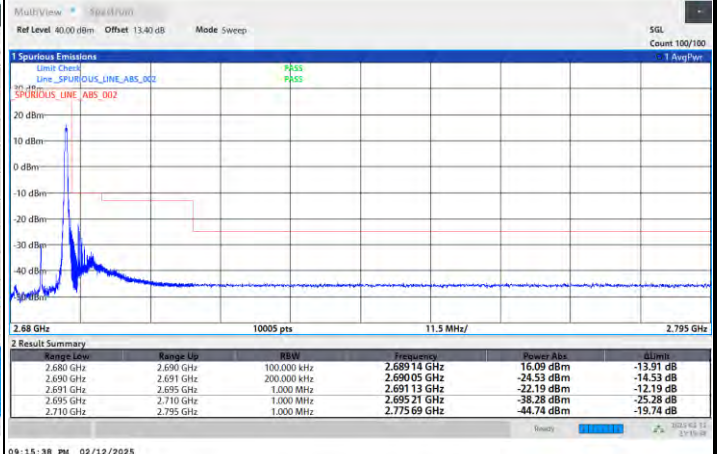
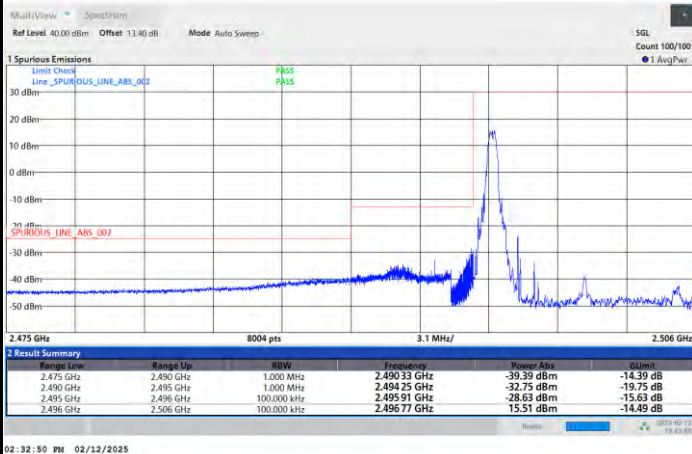
**FR1 n41 / 10MHz / CP OFDM / 64QAM****Lowest Band Edge / 1RB0****Highest Band Edge / 1RBmax****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**



FR1 n41 / 10MHz / CP OFDM / 256QAM

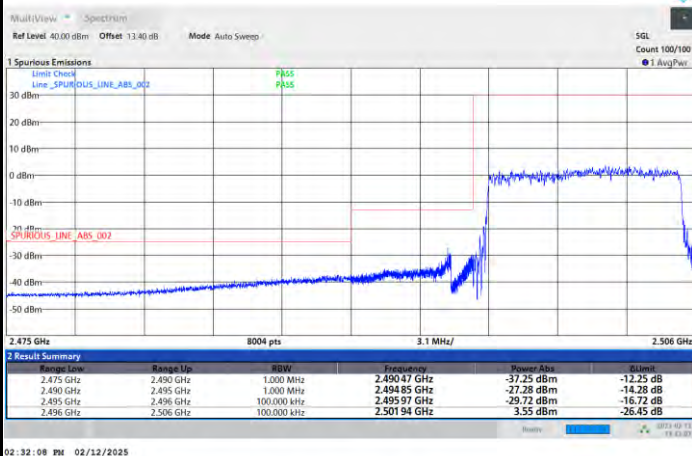
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

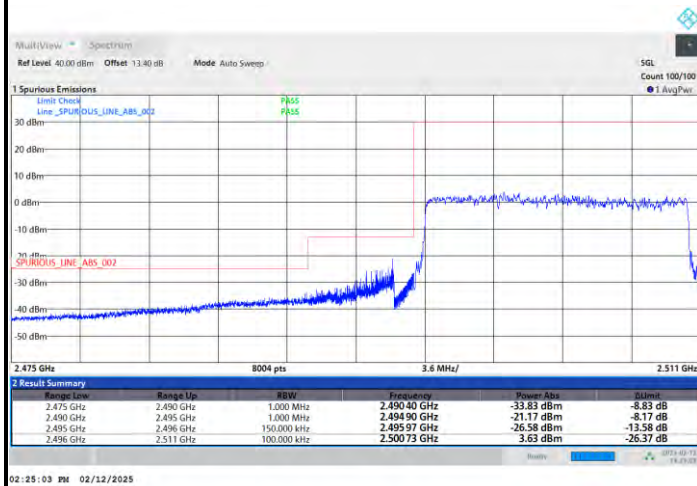
Highest Band Edge / Full RB



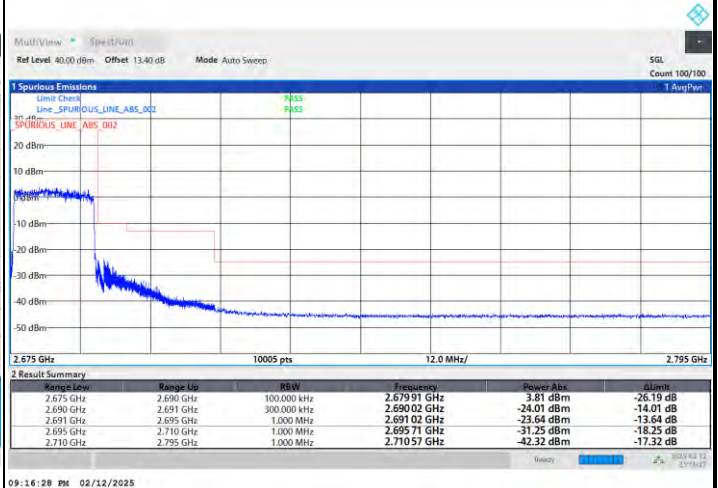


FR1 n41 / 15MHz / CP OFDM / QPSK

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

