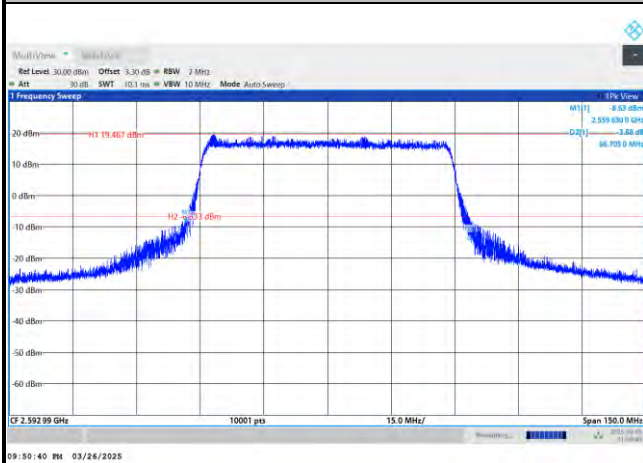


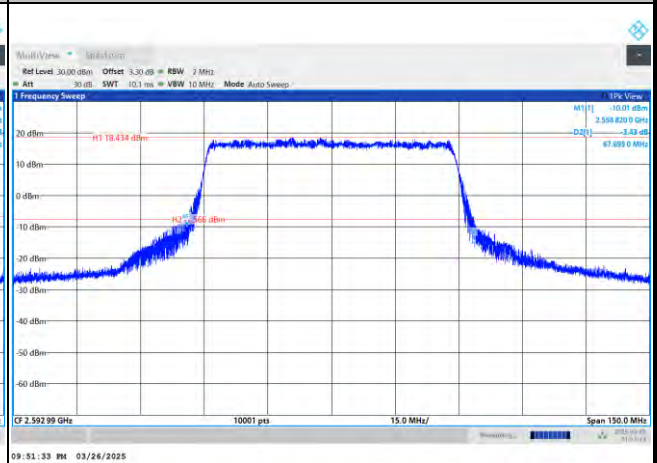


FR1 n41 / 60MHz / CP OFDM / Middle Channel / Full RB

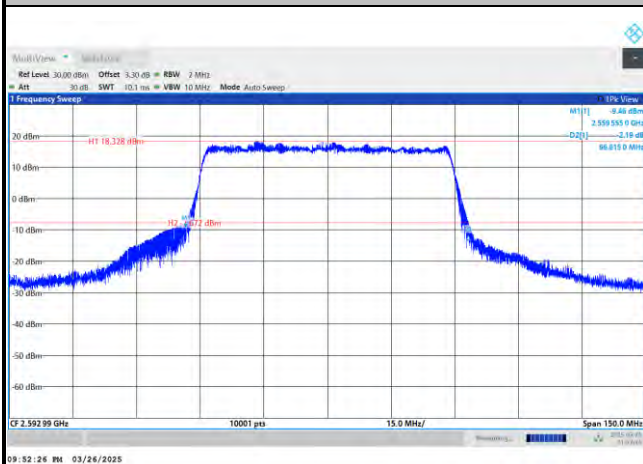
QPSK



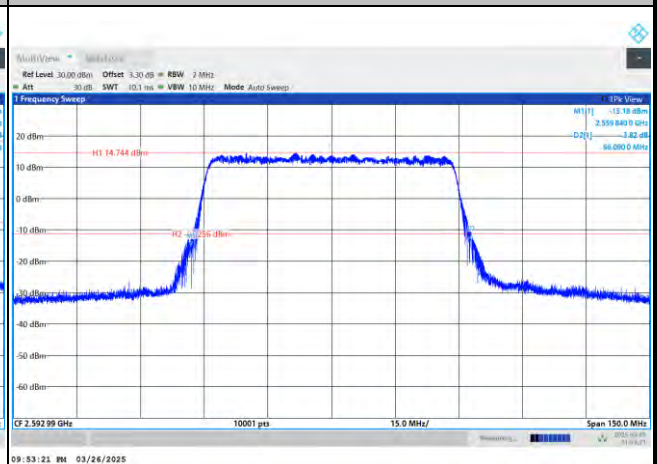
16QAM



64QAM



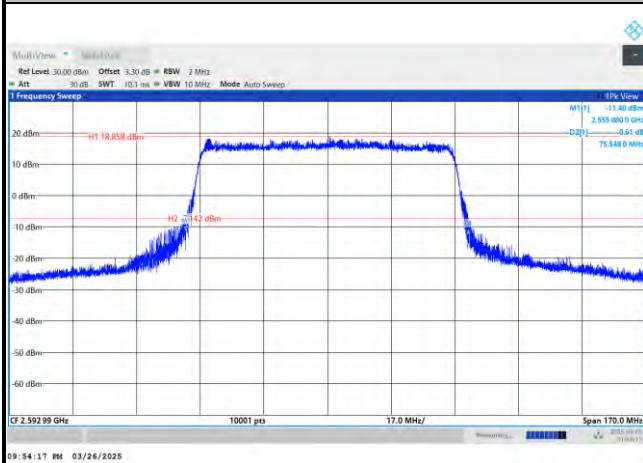
256QAM



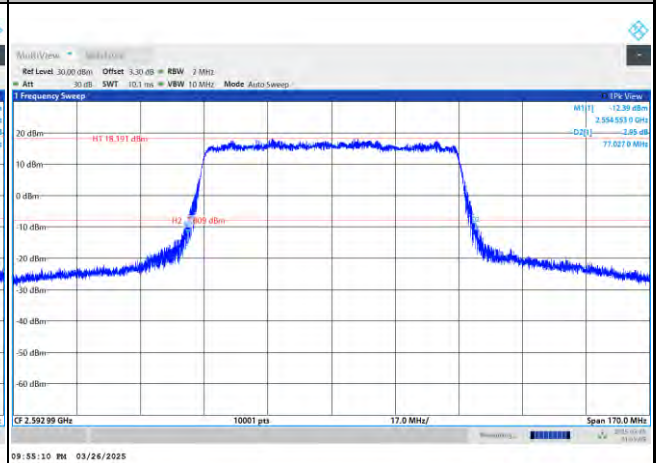


FR1 n41 / 70MHz / CP OFDM / Middle Channel / Full RB

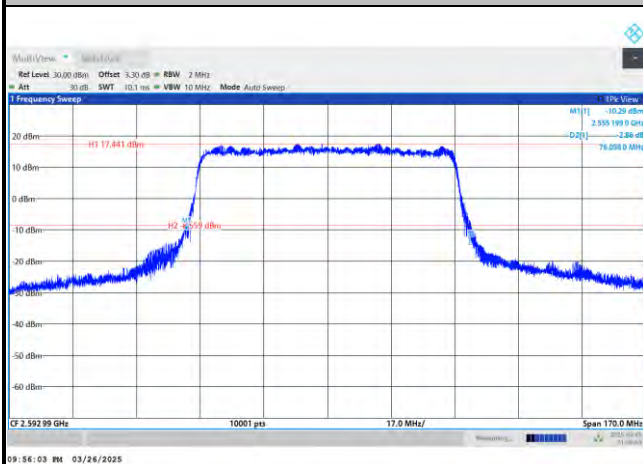
QPSK



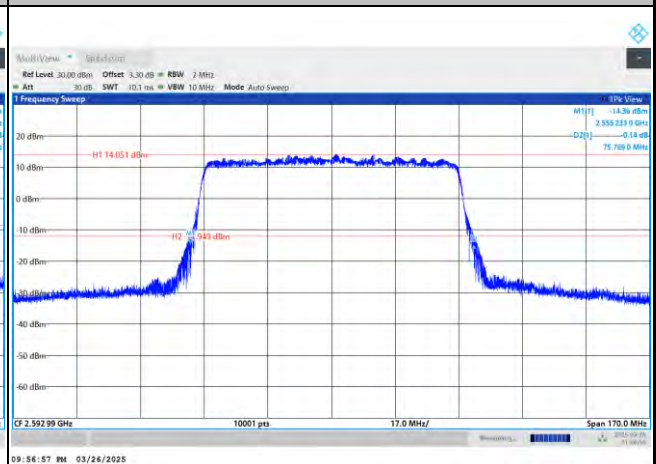
16QAM



64QAM



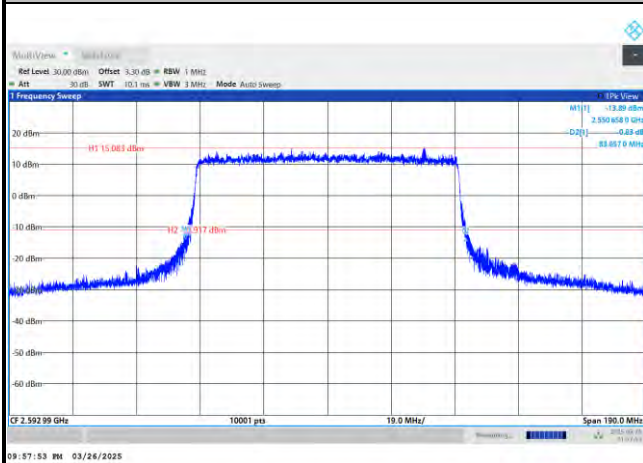
256QAM



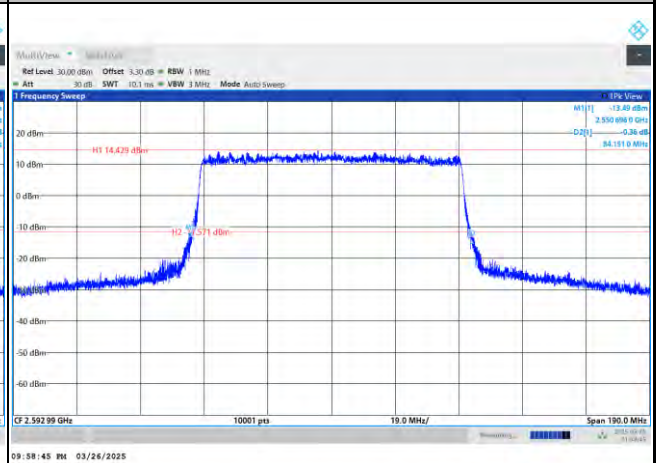


FR1 n41 / 80MHz / CP OFDM / Middle Channel / Full RB

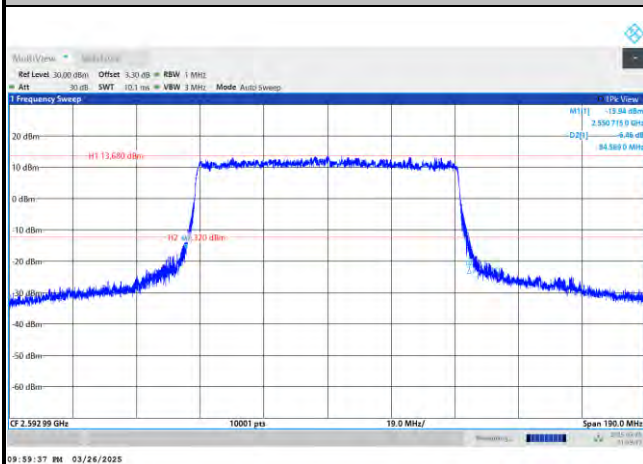
QPSK



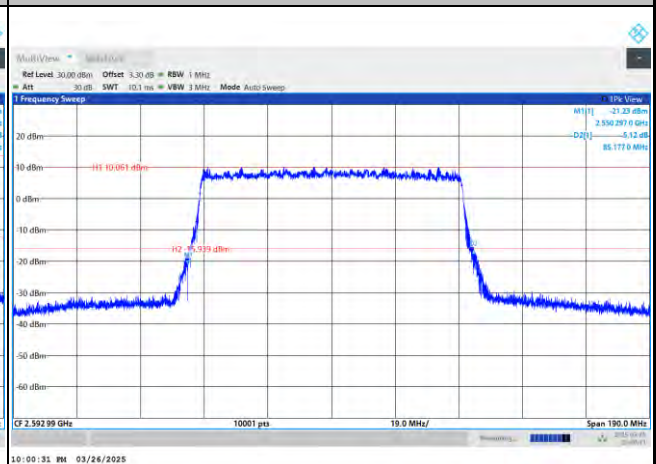
16QAM



64QAM



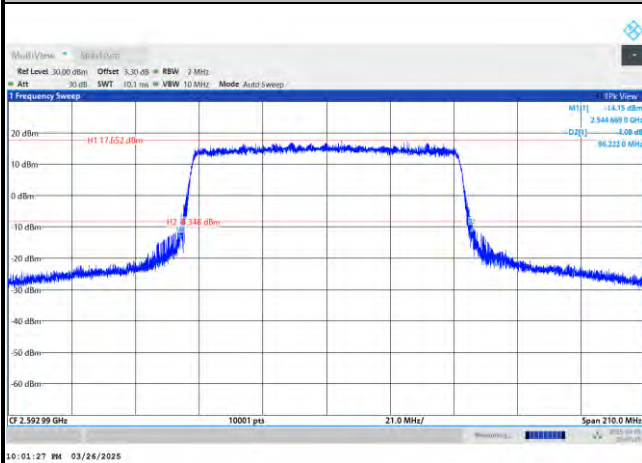
256QAM



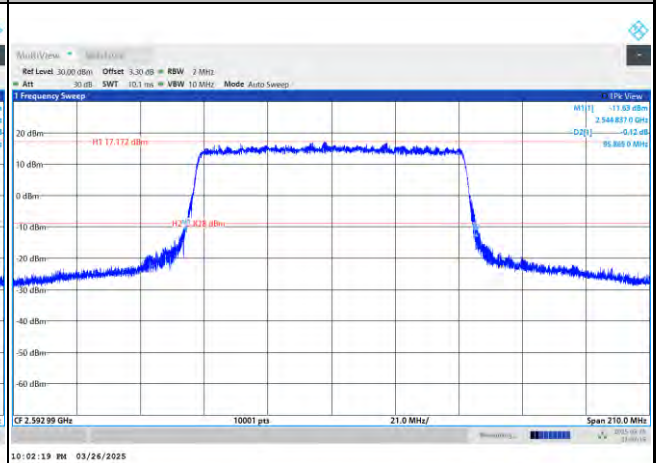


FR1 n41 / 90MHz / CP OFDM / Middle Channel / Full RB

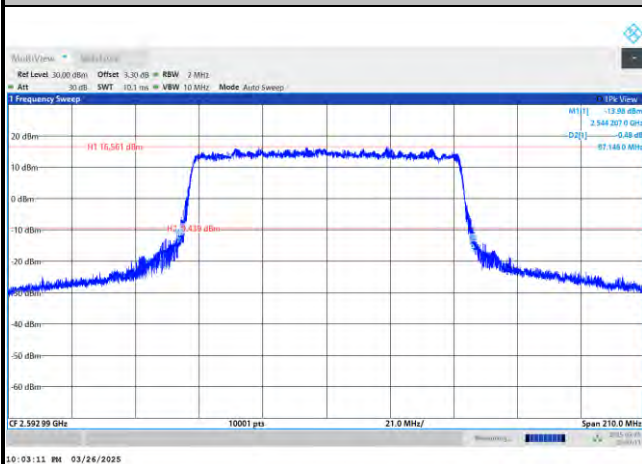
QPSK



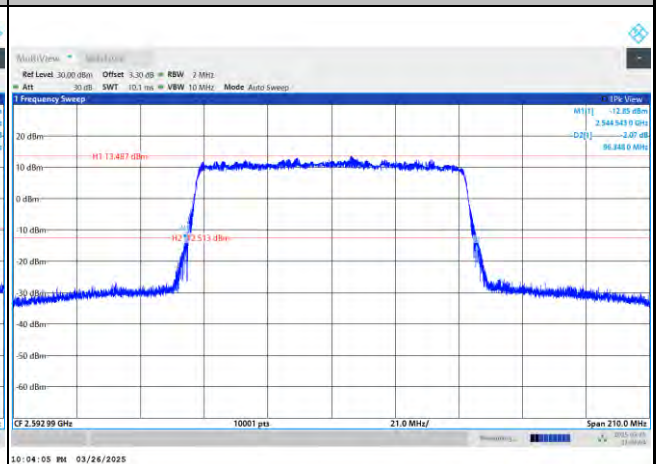
16QAM



64QAM



256QAM





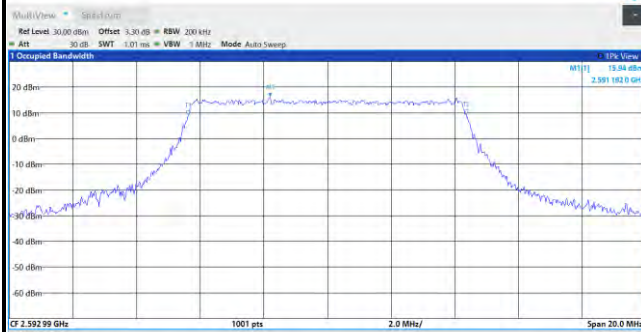
Occupied Bandwidth

Mode	FR1 n41 : OB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	8.73	8.72	13.66	13.69	18.40	18.38	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.66	8.64	13.63	13.61	18.33	18.31	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	28.21	28.12	38.17	38.18	47.66	47.72	58.62	58.64
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	28.16	28.19	38.24	38.11	47.72	47.62	58.72	58.44
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	67.83	68.11	77.87	77.78	87.58	87.65	97.96	97.50
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	68.14	67.95	77.73	77.83	88.15	87.78	97.59	97.76



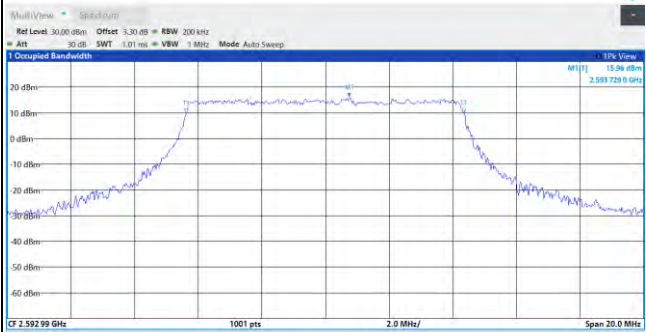
FR1 n41 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



09:27:12 PM 03/26/2025

16QAM



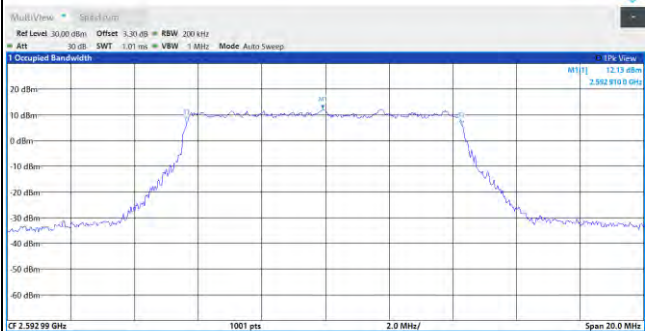
09:28:04 PM 03/26/2025

64QAM



09:28:57 PM 03/26/2025

256QAM

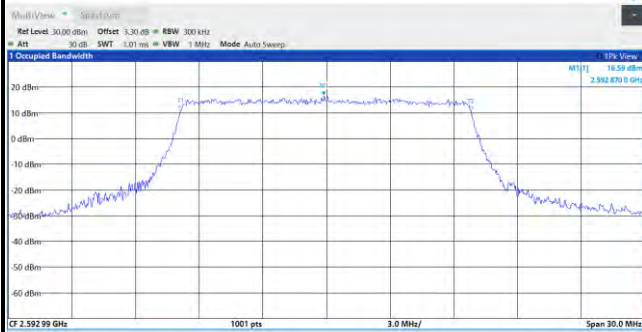


09:29:52 PM 03/26/2025



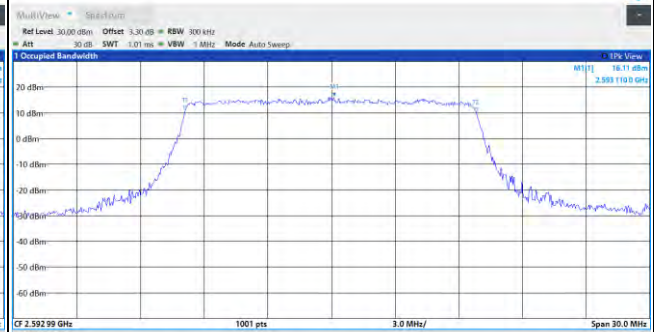
FR1 n41 / 15MHz / CP OFDM / Middle Channel / Full RB

QPSK



09:30:47 PM 03/26/2025

16QAM



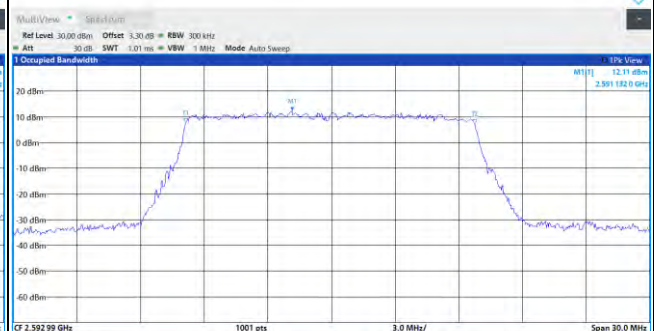
09:31:40 PM 03/26/2025

64QAM



09:32:33 PM 03/26/2025

256QAM

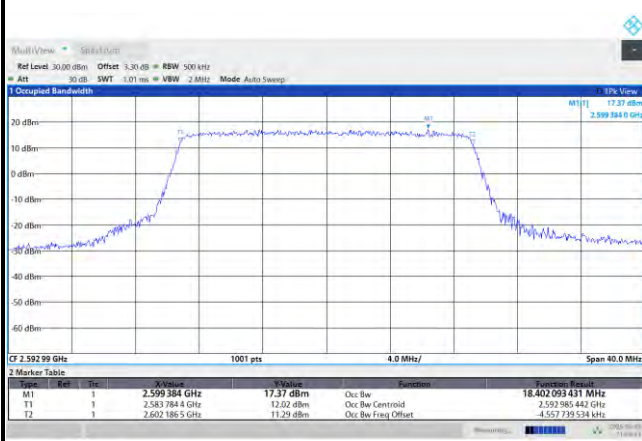


09:33:28 PM 03/26/2025



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

QPSK



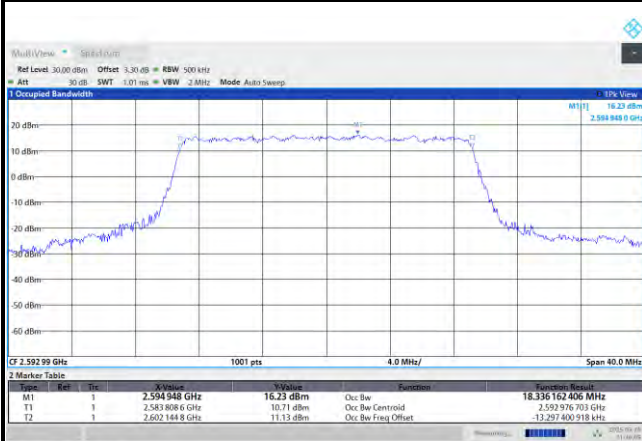
09:34:24 PM 03/26/2025

16QAM



09:35:17 PM 03/26/2025

64QAM



09:36:10 PM 03/26/2025

256QAM

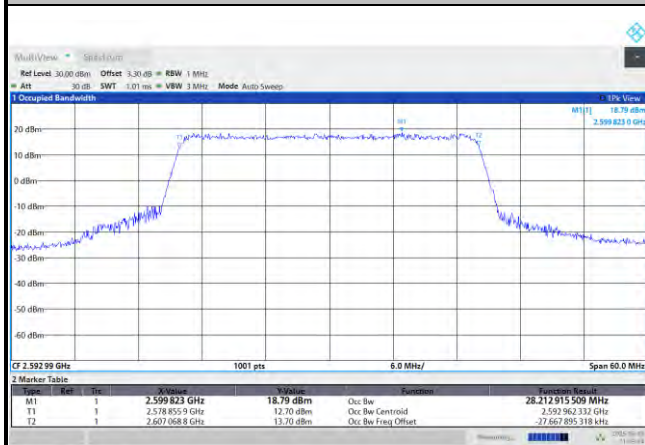


09:37:05 PM 03/26/2025



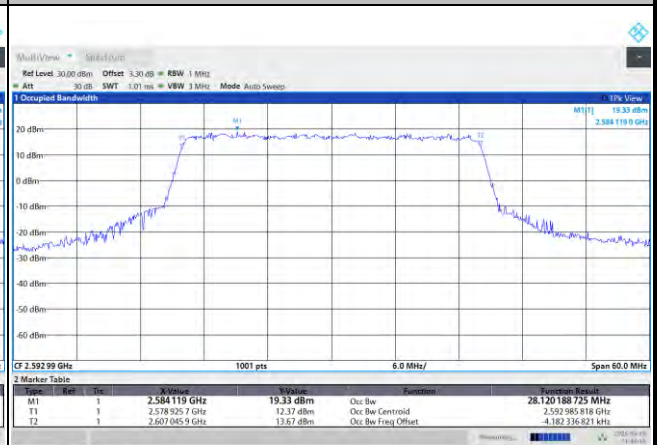
FR1 n41 / 30MHz / CP OFDM / Middle Channel / Full RB

QPSK



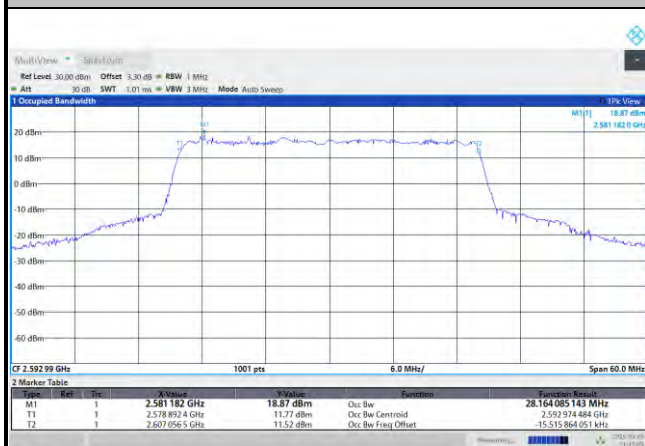
09:39:24 PM 03/26/2025

16QAM



09:40:17 PM 03/26/2025

64QAM



09:41:10 PM 03/26/2025

256QAM

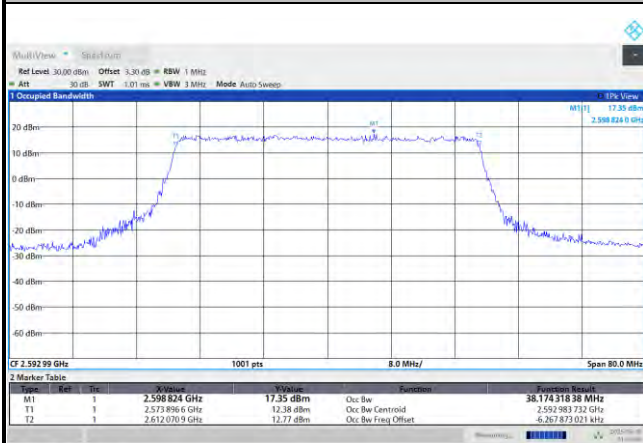


09:42:05 PM 03/26/2025



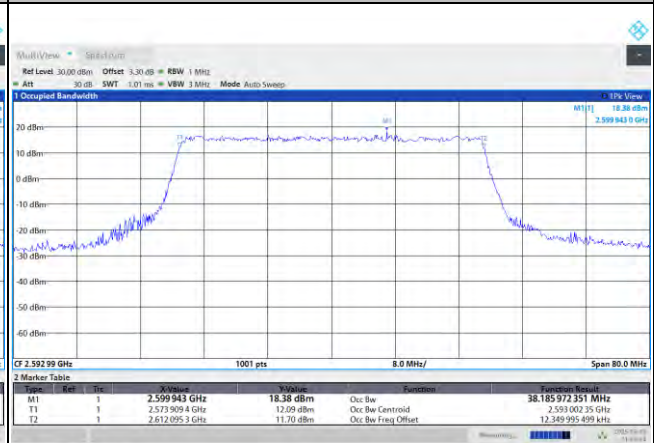
FR1 n41 / 40MHz / CP OFDM / Middle Channel / Full RB

QPSK



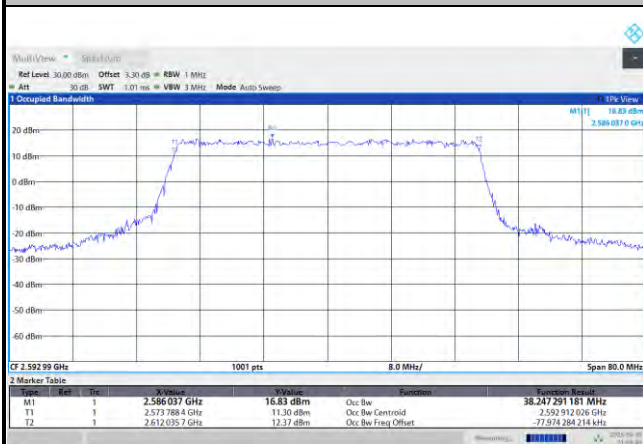
09:43:01 PM 03/26/2025

16QAM



09:43:04 PM 03/26/2025

64QAM



09:44:47 PM 03/26/2025

256QAM

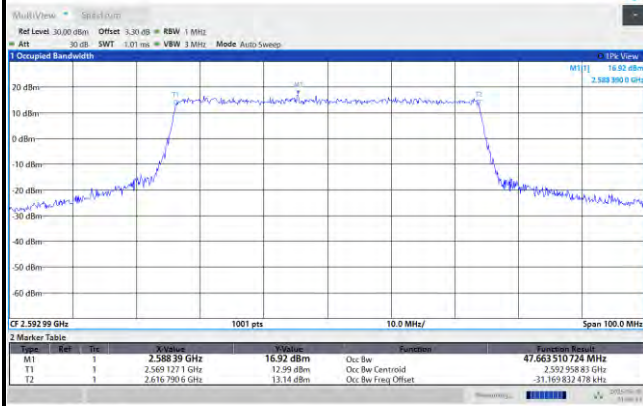


09:45:42 PM 03/26/2025

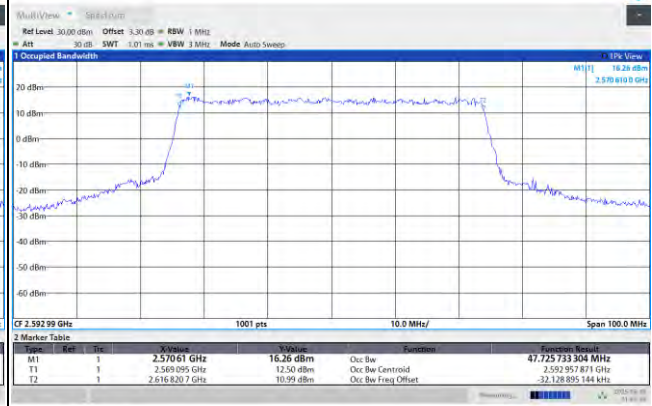


FR1 n41 / 50MHz / CP OFDM / Middle Channel / Full RB

QPSK



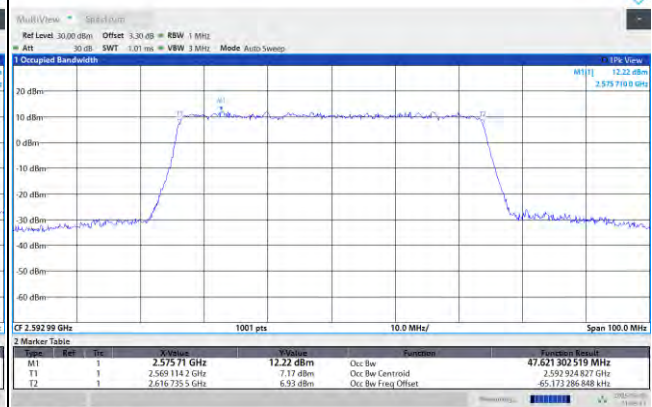
16QAM



64QAM



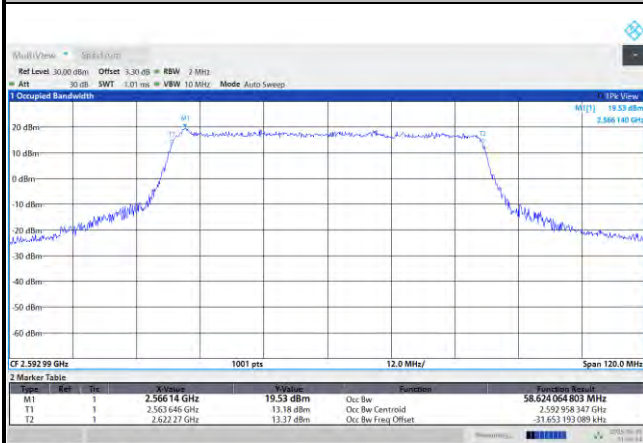
256QAM





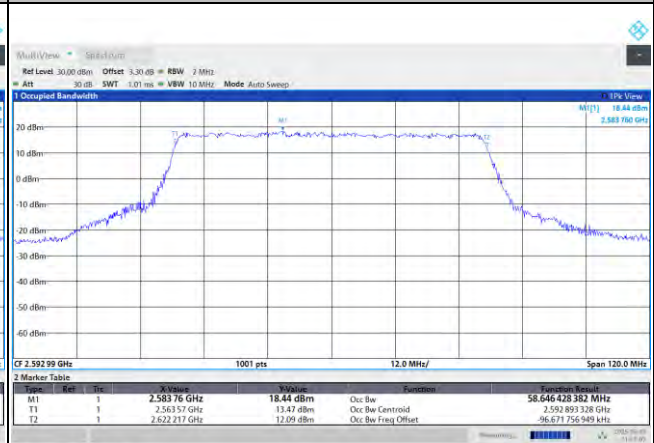
FR1 n41 / 60MHz / CP OFDM / Middle Channel / Full RB

QPSK



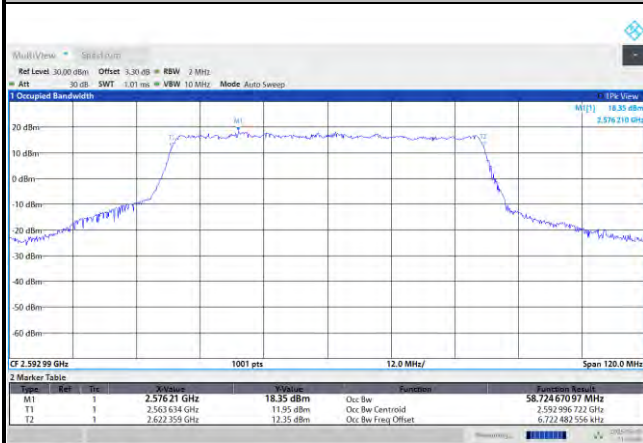
09:50:14 PM 03/26/2025

16QAM



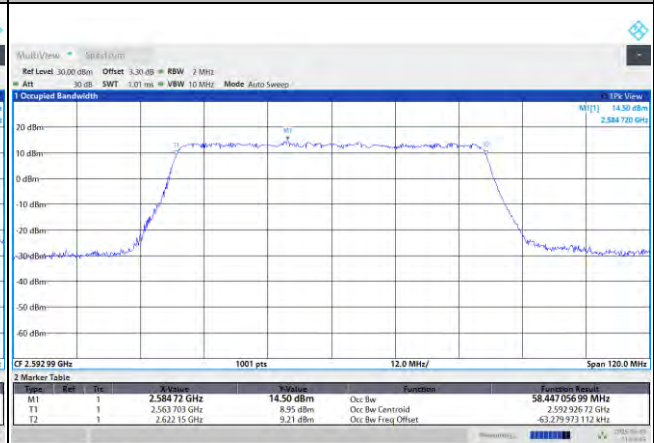
09:51:07 PM 03/26/2025

64QAM



09:52:00 PM 03/26/2025

256QAM



09:52:55 PM 03/26/2025



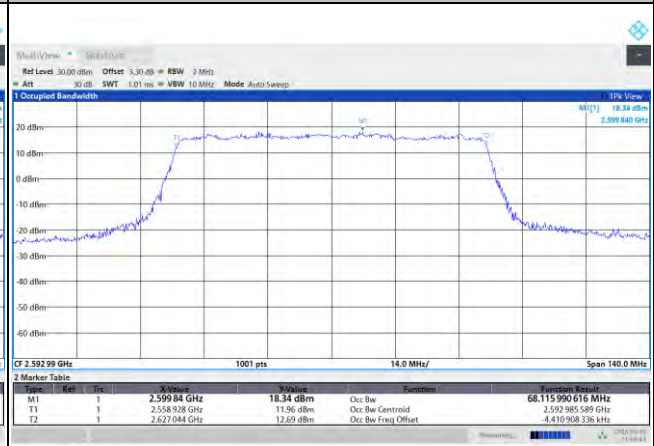
FR1 n41 / 70MHz / CP OFDM / Middle Channel / Full RB

QPSK



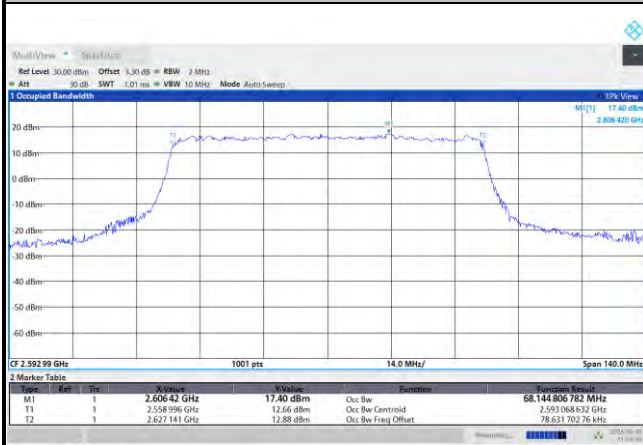
09:53:52 PM 03/26/2025

16QAM



09:54:44 PM 03/26/2025

64QAM



09:55:37 PM 03/26/2025

256QAM

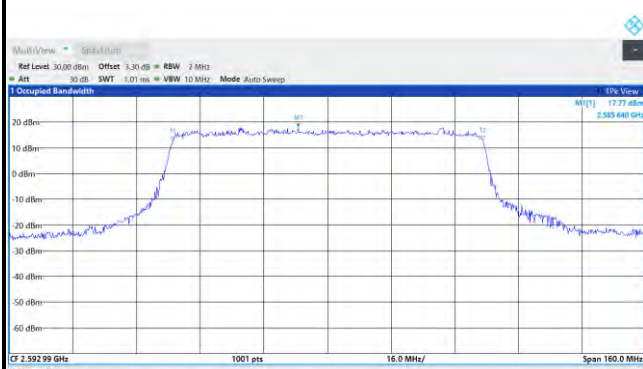


09:56:31 PM 03/26/2025



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

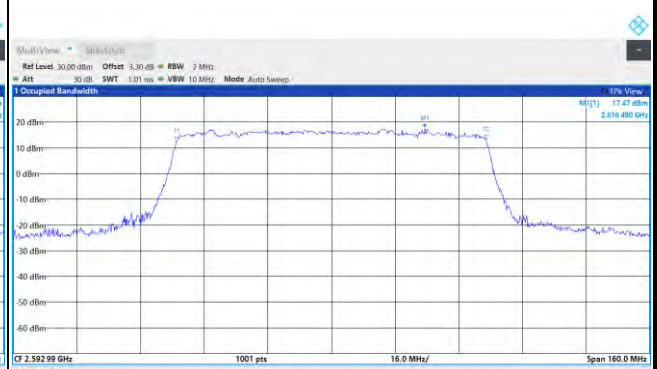
QPSK



Type	Ref	Freq	Power	Event	Function Result
M1	1	2.58564 GHz	17.77 dBm	Occ Bw	77.87936517 MHz
T1	1	2.554093 GHz	12.41 dBm	Occ Bw Centroid	2.593033163 GHz
T2	1	2.631973 GHz	12.50 dBm	Occ Bw Freq Offset	43.163927396 kHz

09:57:27 PM 03/26/2025

16QAM



Type	Ref	Freq	Power	Event	Function Result
M1	1	2.61649 GHz	17.47 dBm	Occ Bw	77.783957238 MHz
T1	1	2.554084 GHz	12.44 dBm	Occ Bw Centroid	2.592975731 GHz
T2	1	2.631868 GHz	13.21 dBm	Occ Bw Freq Offset	-14.268855501 MHz

09:58:19 PM 03/26/2025

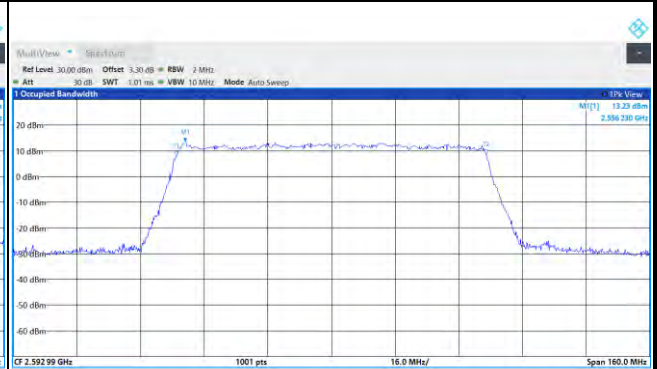
64QAM



Type	Ref	Freq	Power	Event	Function Result
M1	1	2.62688 GHz	17.43 dBm	Occ Bw	77.739896361 MHz
T1	1	2.554082 GHz	12.36 dBm	Occ Bw Centroid	2.592952156 GHz
T2	1	2.631822 GHz	11.84 dBm	Occ Bw Freq Offset	-37.844463772 kHz

09:59:11 PM 03/26/2025

256QAM



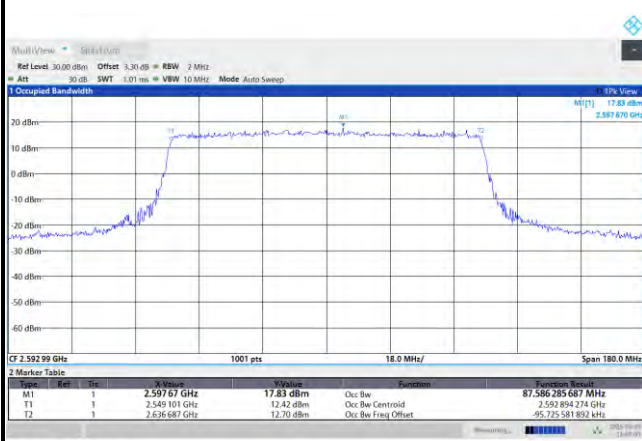
Type	Ref	Freq	Power	Event	Function Result
M1	1	2.55623 GHz	13.23 dBm	Occ Bw	77.836744871 MHz
T1	1	2.554006 GHz	7.78 dBm	Occ Bw Centroid	2.592924543 GHz
T2	1	2.631843 GHz	8.49 dBm	Occ Bw Freq Offset	-65.457103749 kHz

10:00:06 PM 03/26/2025



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

QPSK



10:01:01 PM 03/26/2025

16QAM



10:01:54 PM 03/26/2025

64QAM



10:02:46 PM 03/26/2025

256QAM

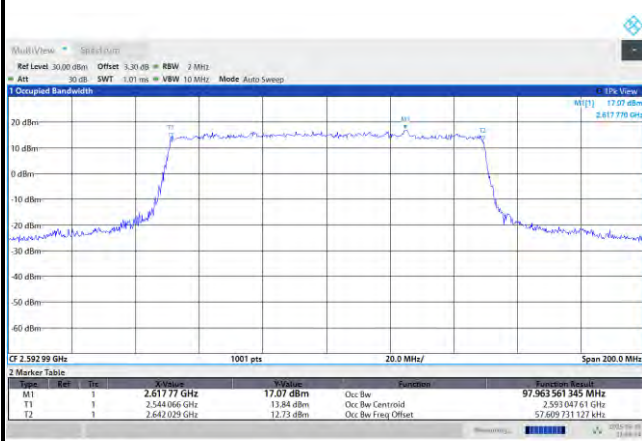


10:03:39 PM 03/26/2025

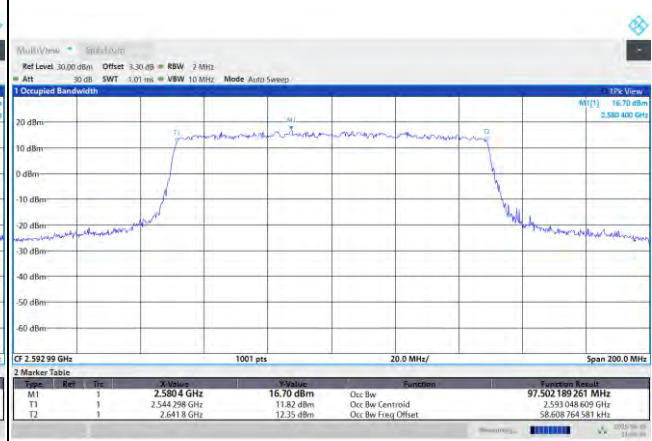


FR1 n41 / 100MHz / CP OFDM / Middle Channel / Full RB

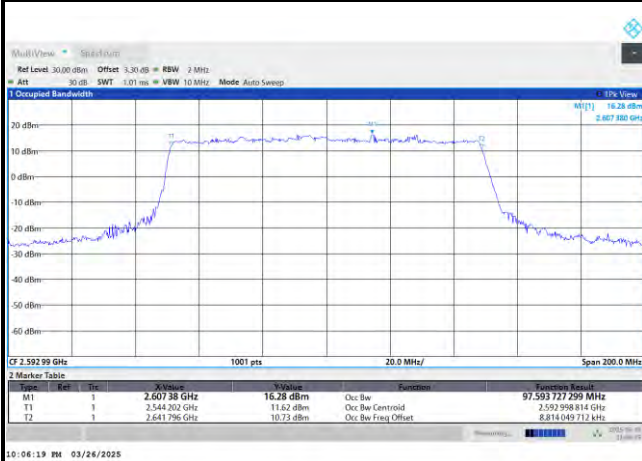
QPSK



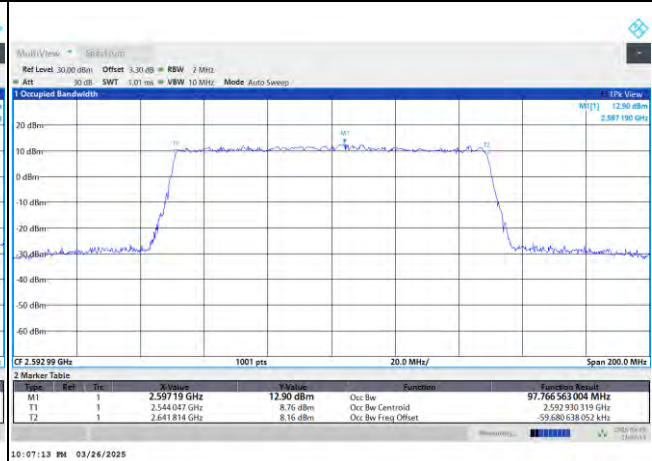
16QAM



64QAM



256QAM

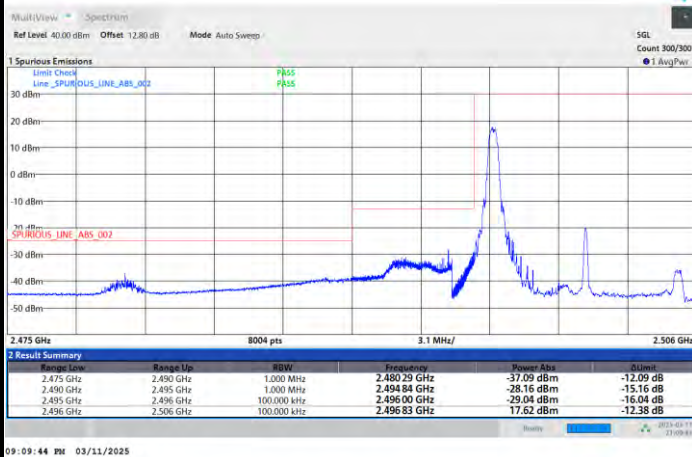




Conducted Band Edge

FR1 n41 / 10MHz / CP OFDM / QPSK

Lowest Band Edge / 1RB0



Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

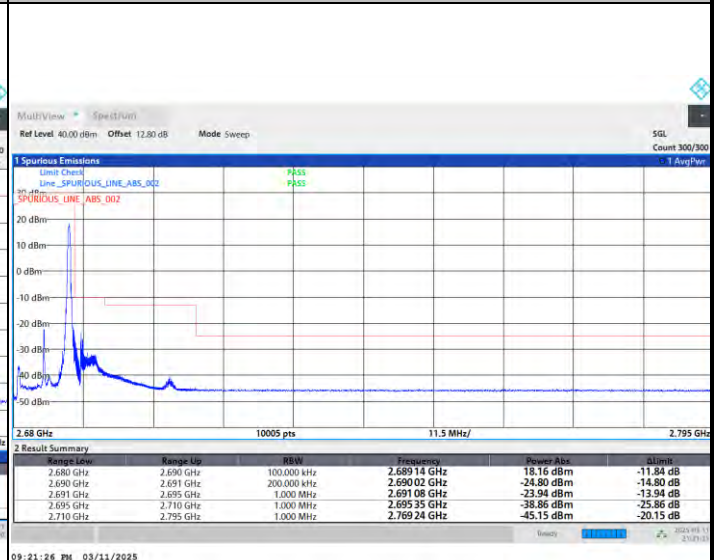
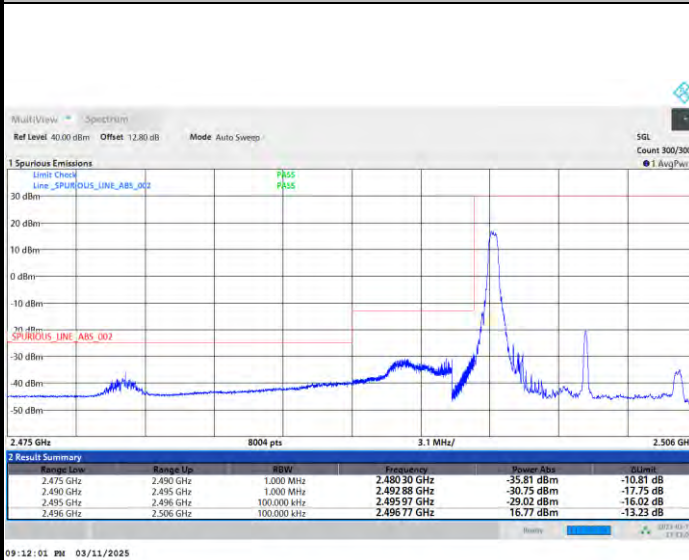




FR1 n41 / 10MHz / CP OFDM / 16QAM

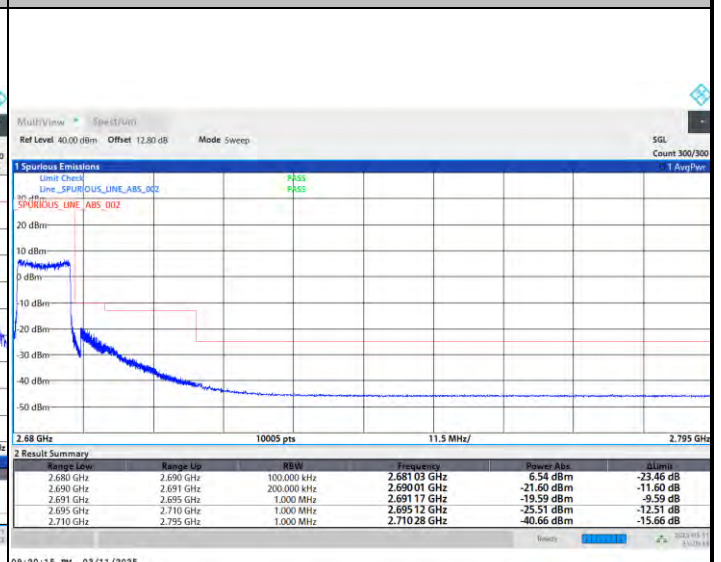
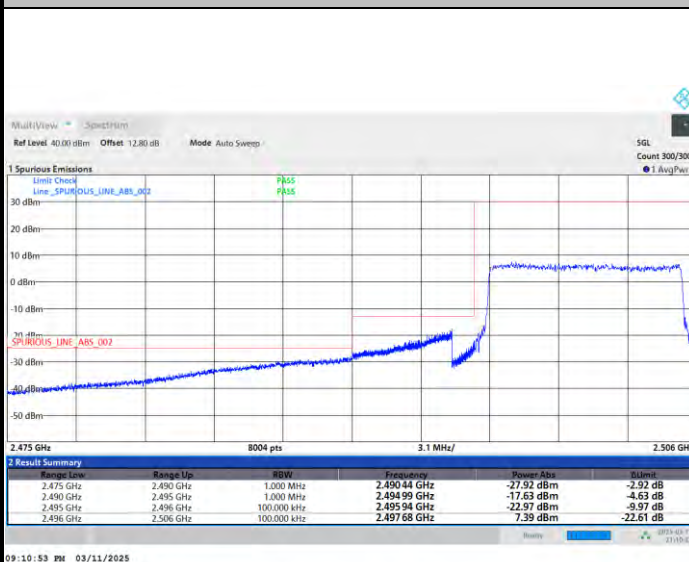
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

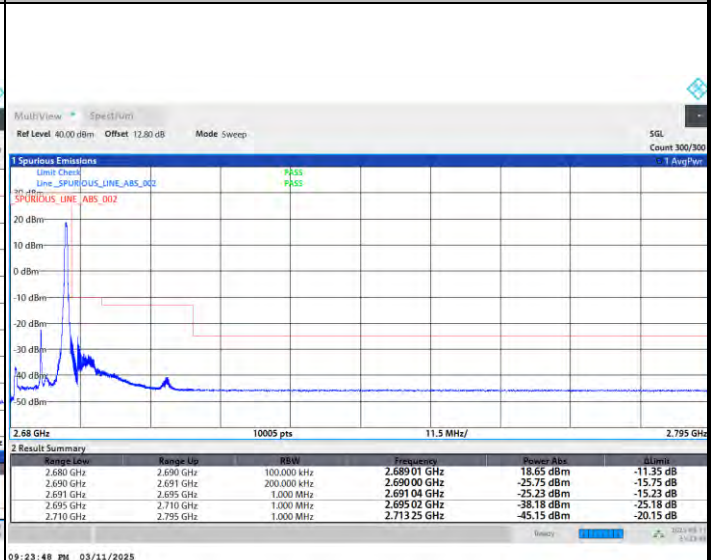
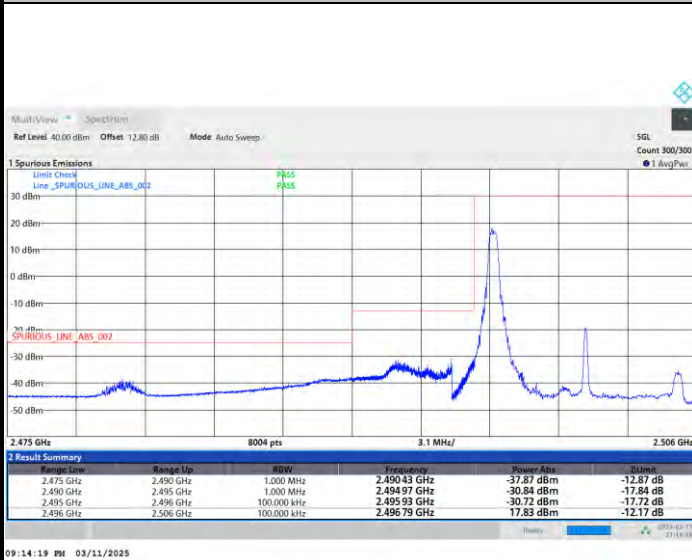




FR1 n41 / 10MHz / CP OFDM / 64QAM

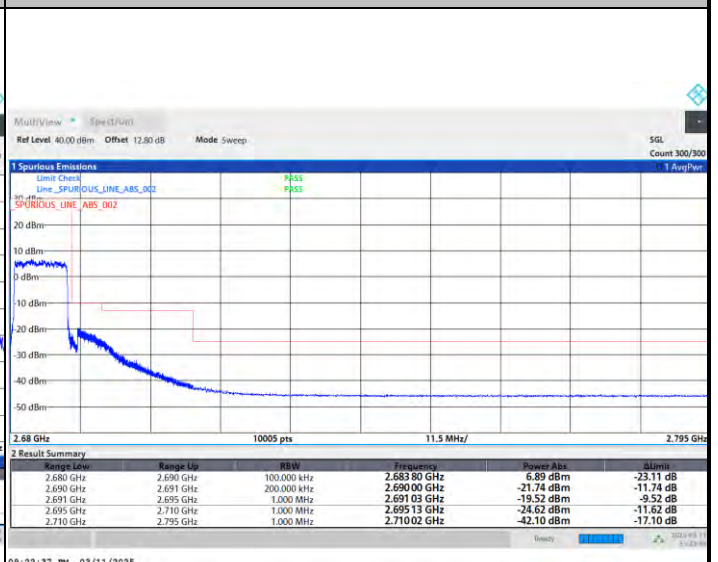
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

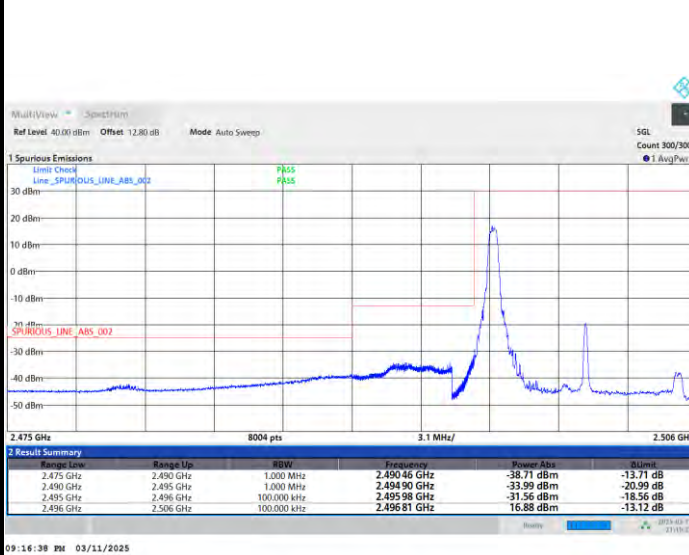




FR1 n41 / 10MHz / CP OFDM / 256QAM

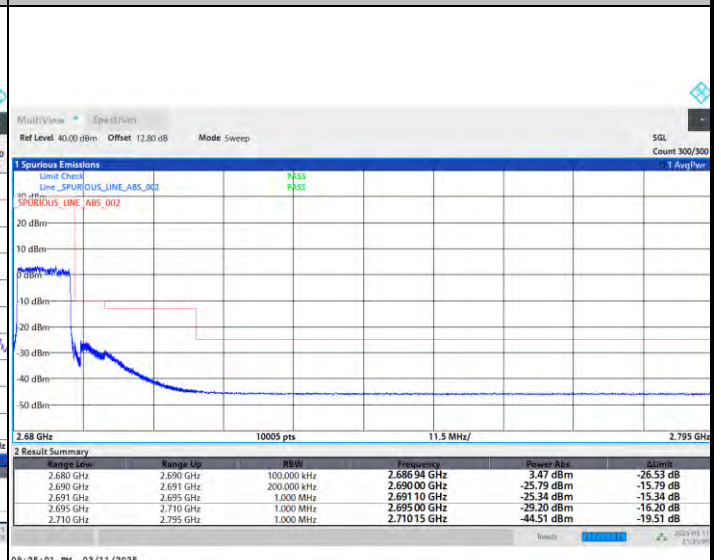
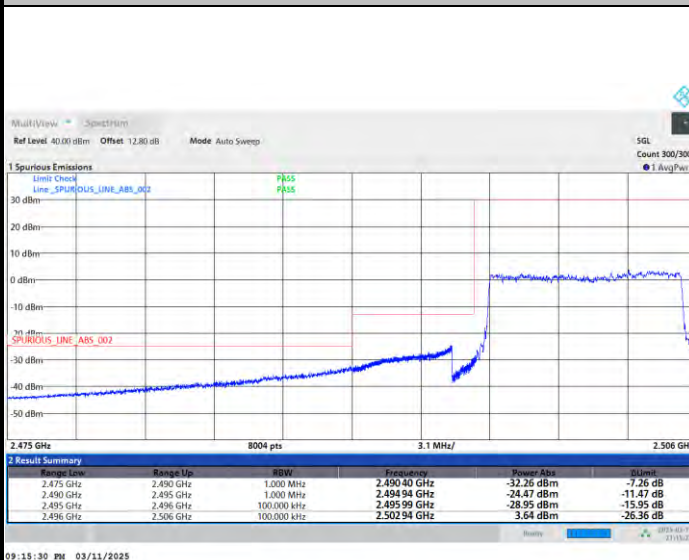
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

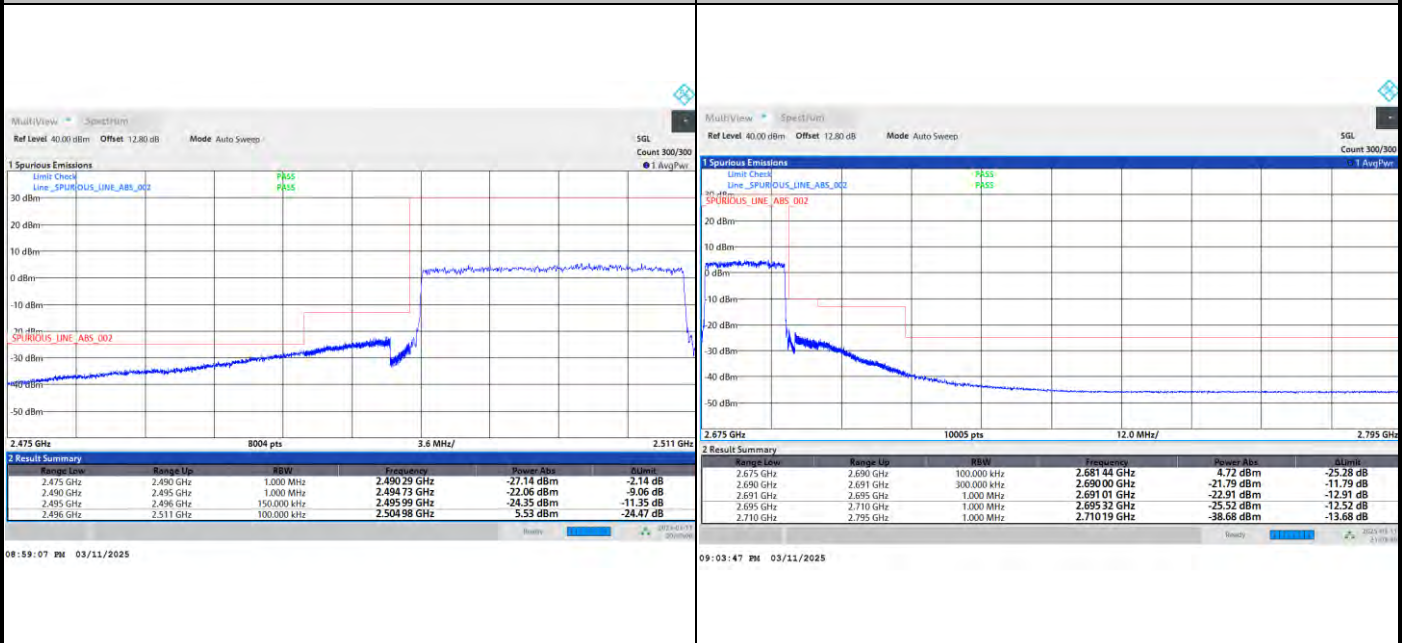




FR1 n41 / 15MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

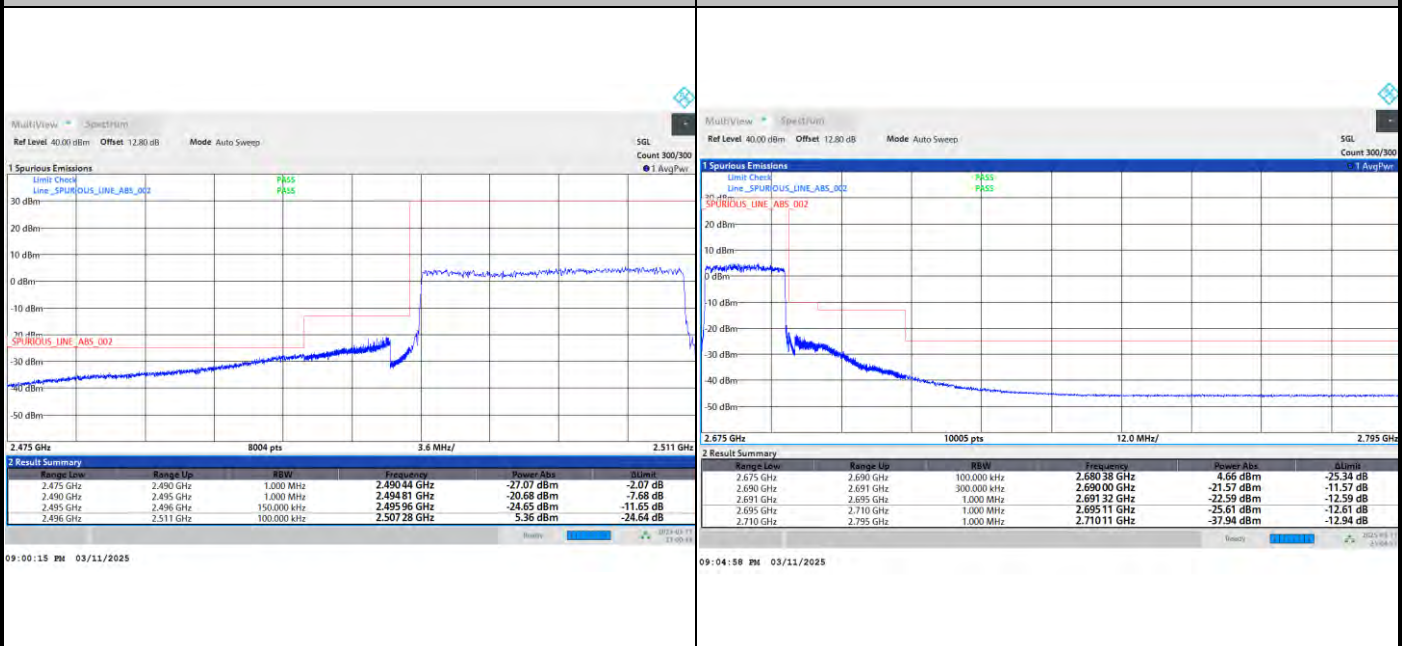
Highest Band Edge / Full RB



FR1 n41 / 15MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

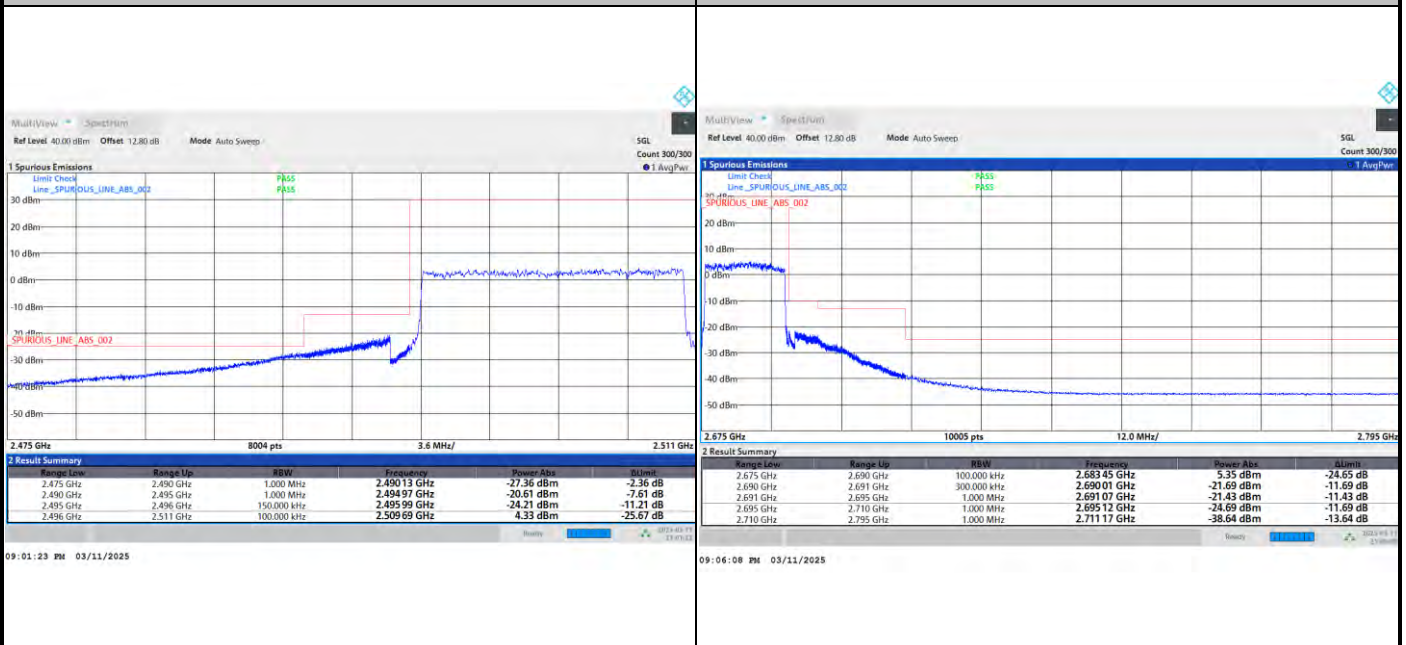




FR1 n41 / 15MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

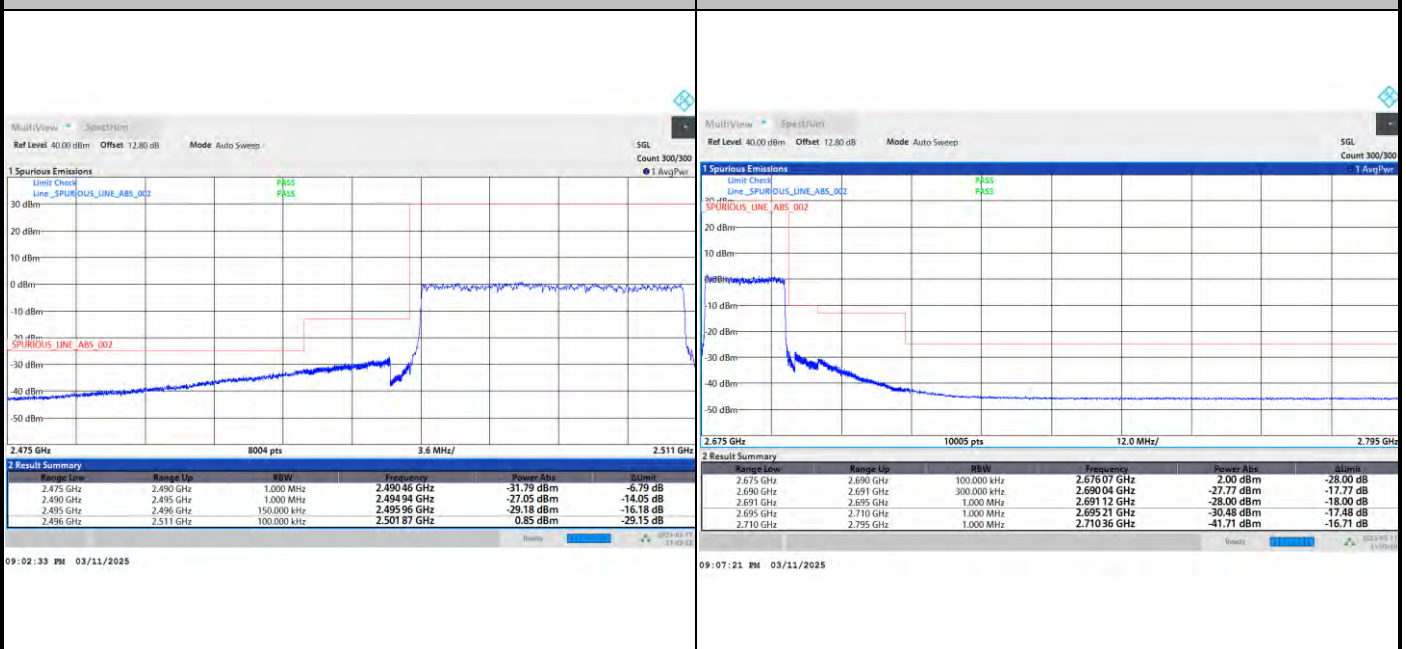
Highest Band Edge / Full RB



FR1 n41 / 15MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

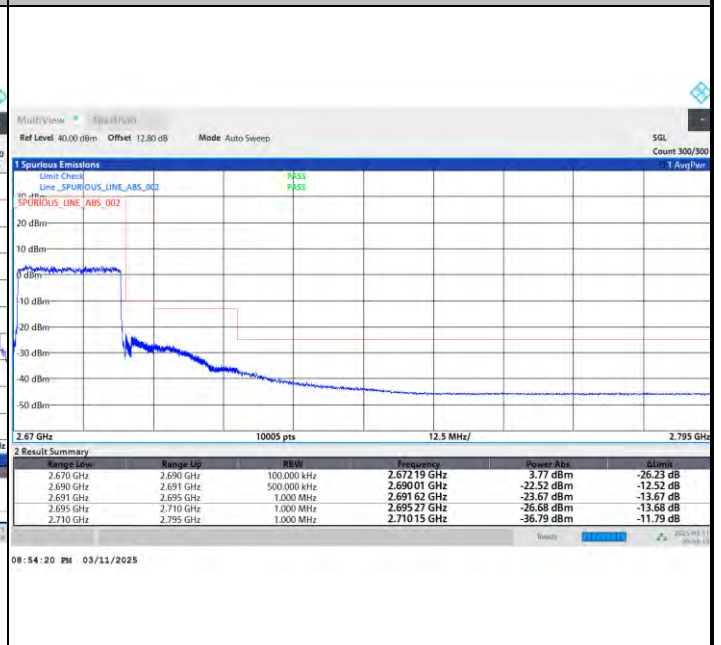
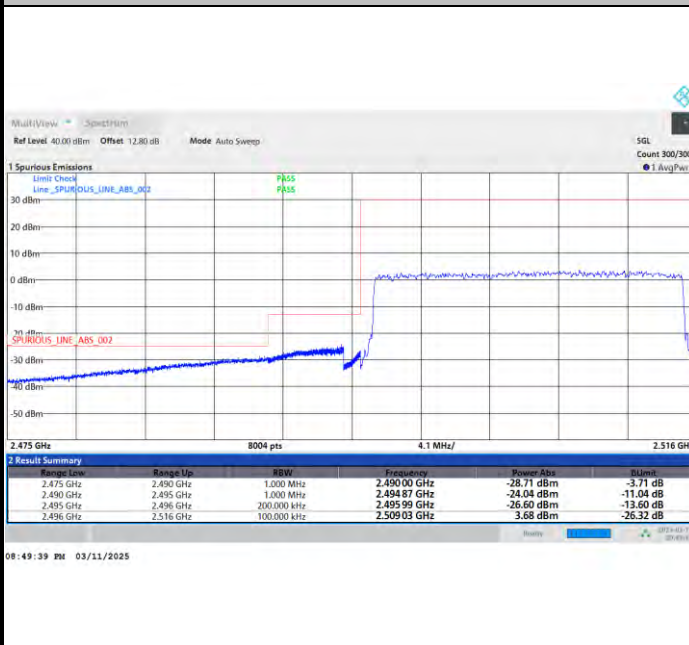




FR1 n41 / 20MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

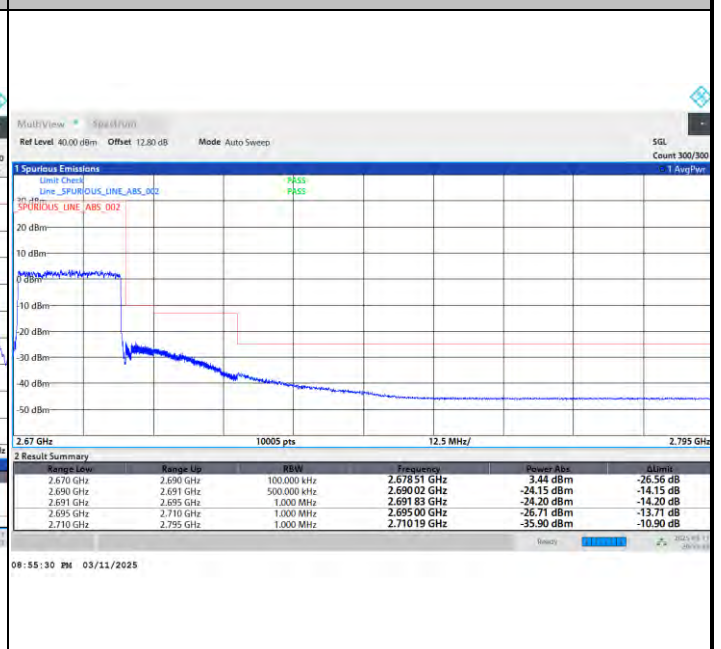
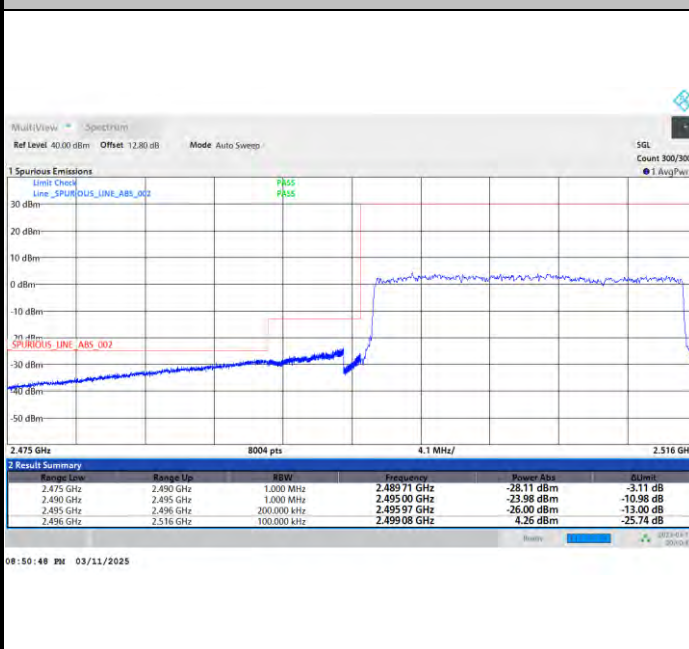
Highest Band Edge / Full RB



FR1 n41 / 20MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

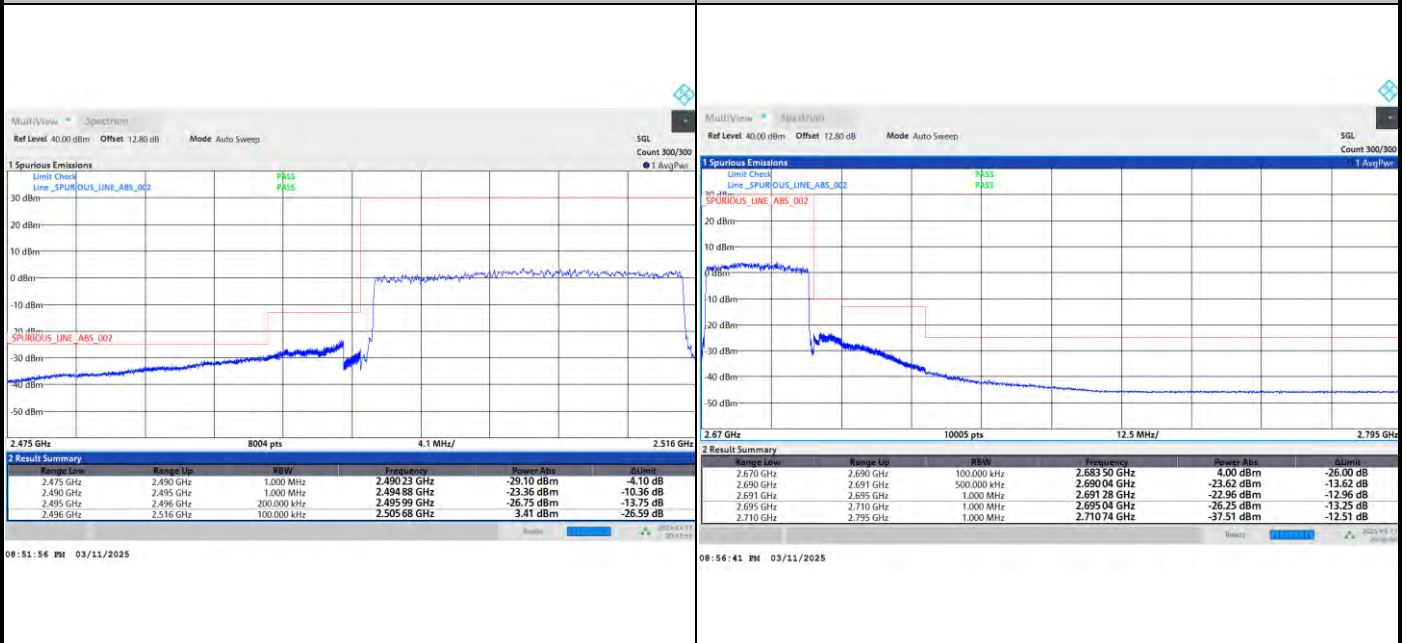




FR1 n41 / 20MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

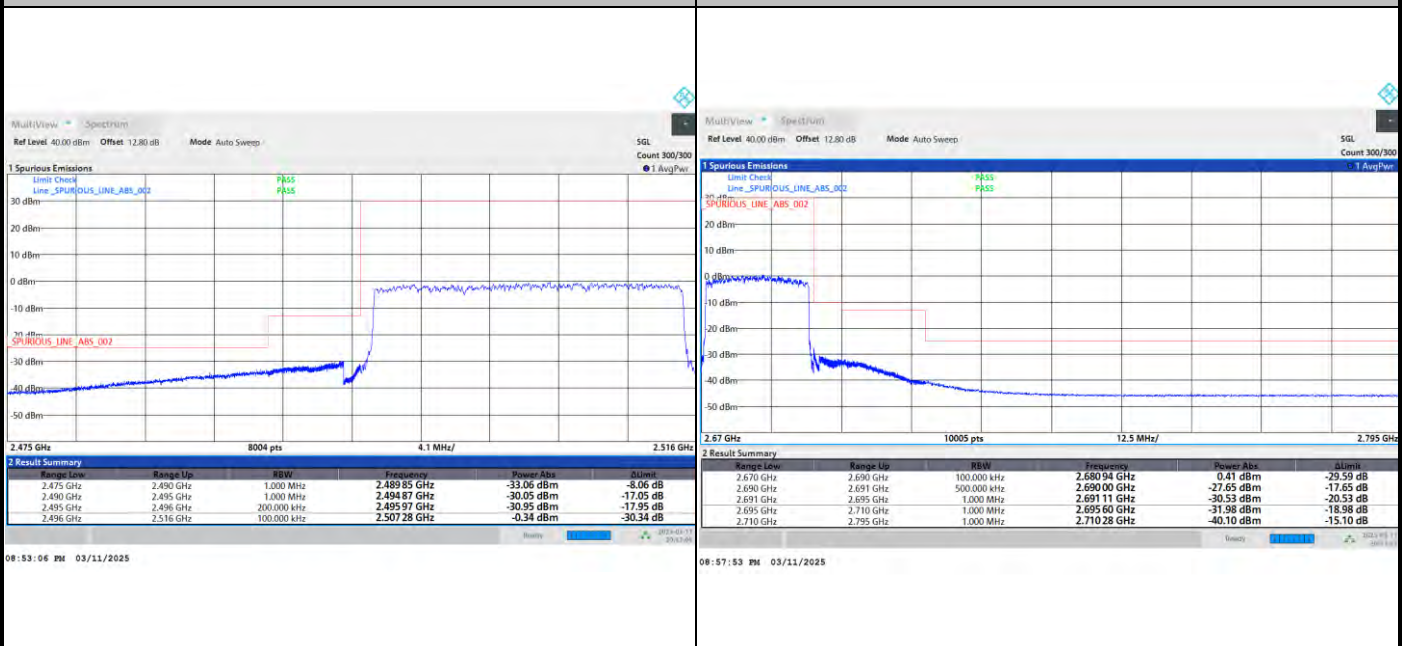
Highest Band Edge / Full RB



FR1 n41 / 20MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

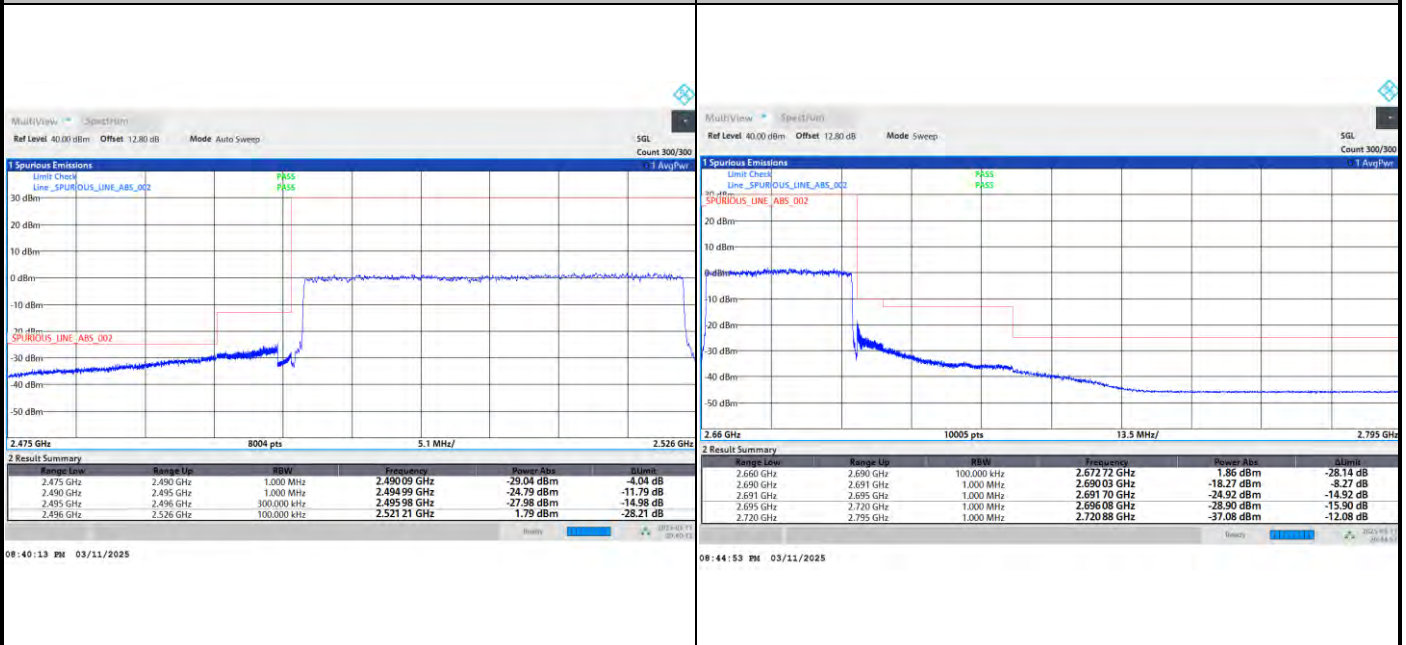




FR1 n41 / 30MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

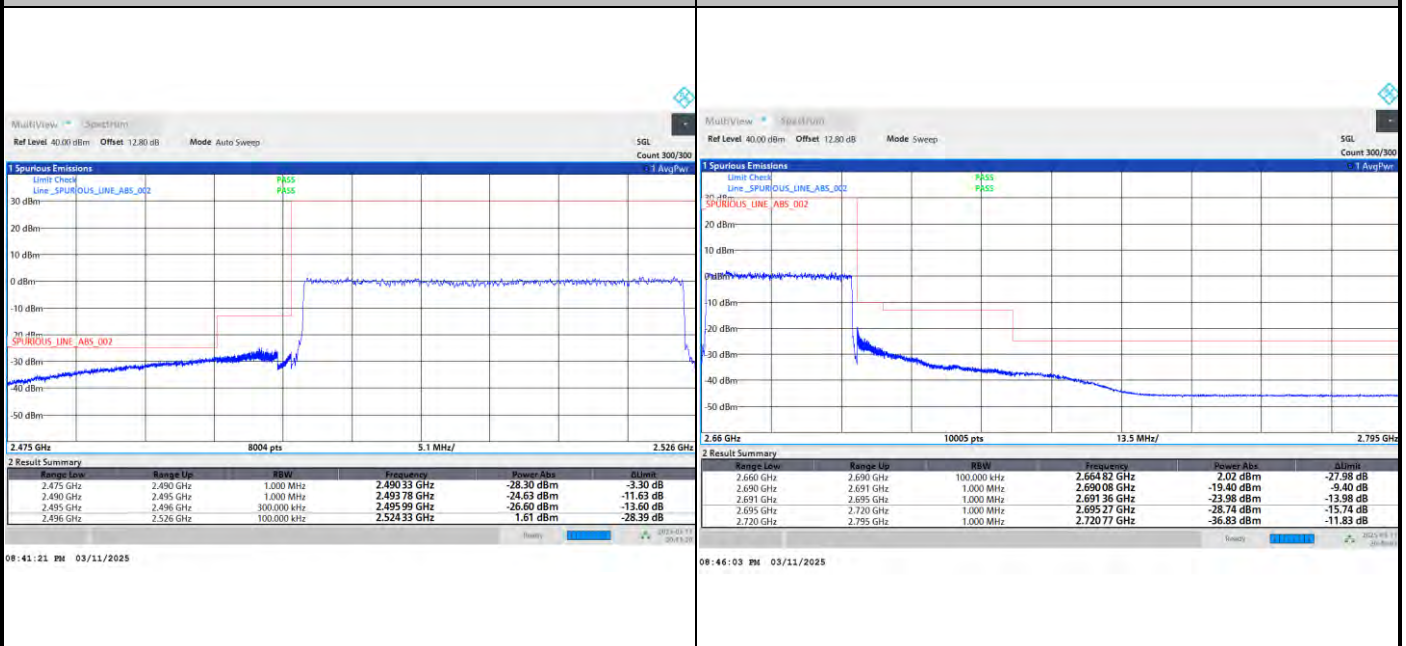
Highest Band Edge / Full RB



FR1 n41 / 30MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

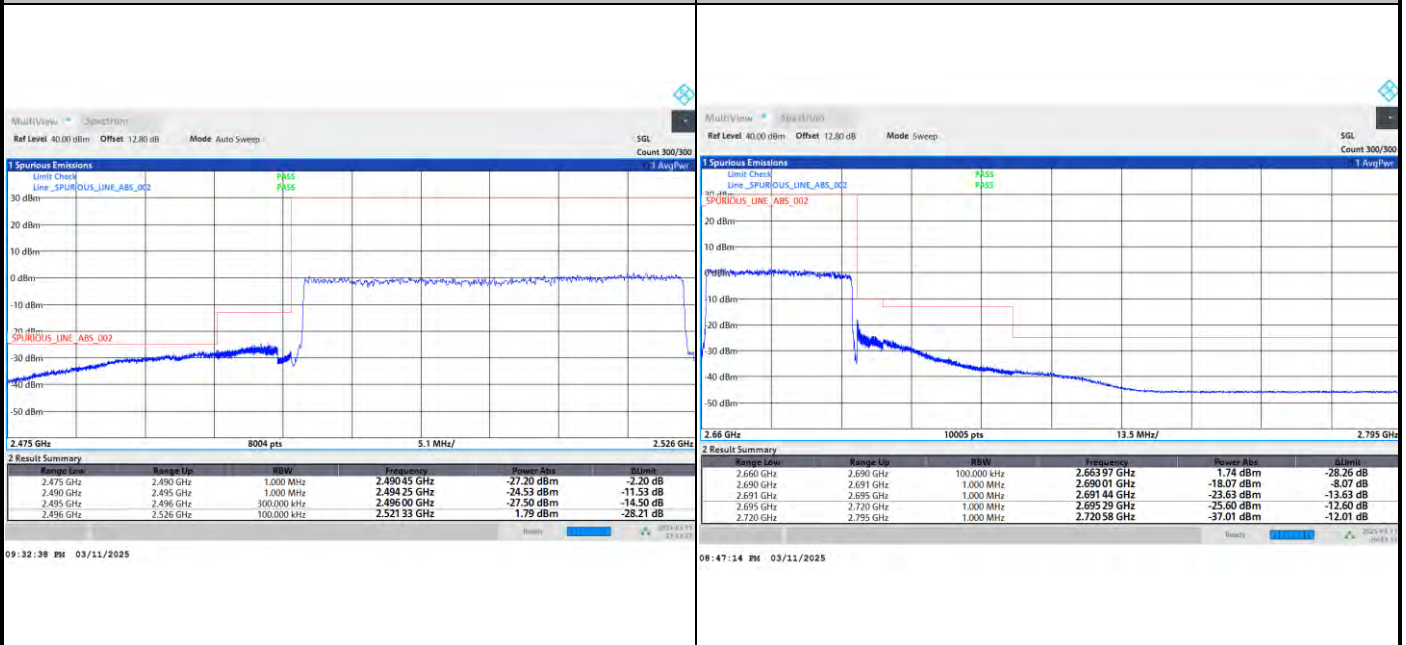




FR1 n41 / 30MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

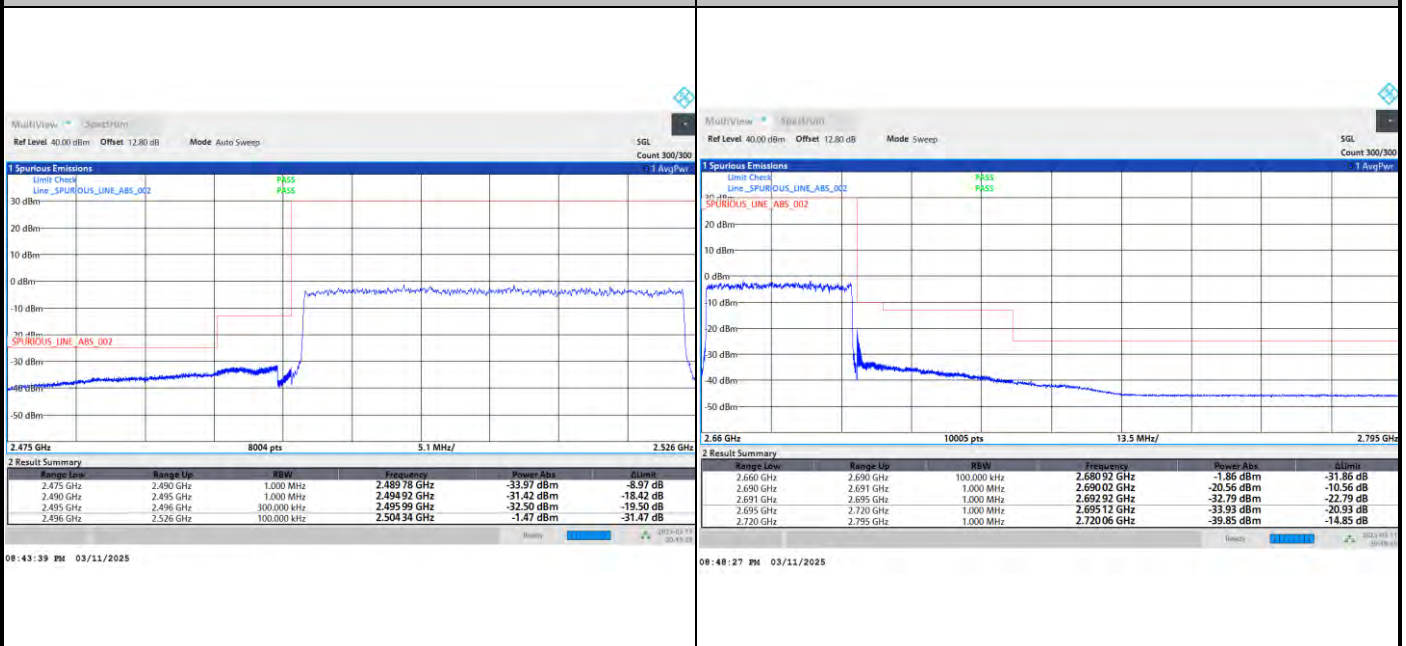
Highest Band Edge / Full RB



FR1 n41 / 30MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

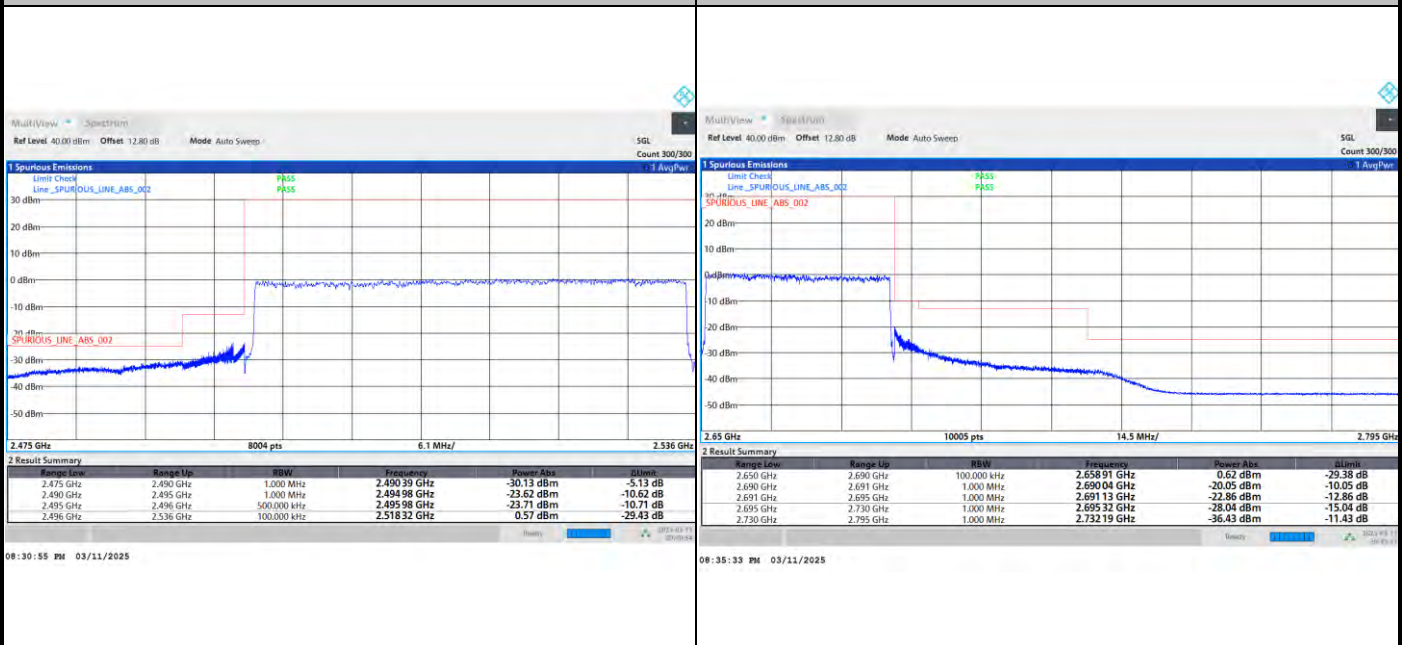




FR1 n41 / 40MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

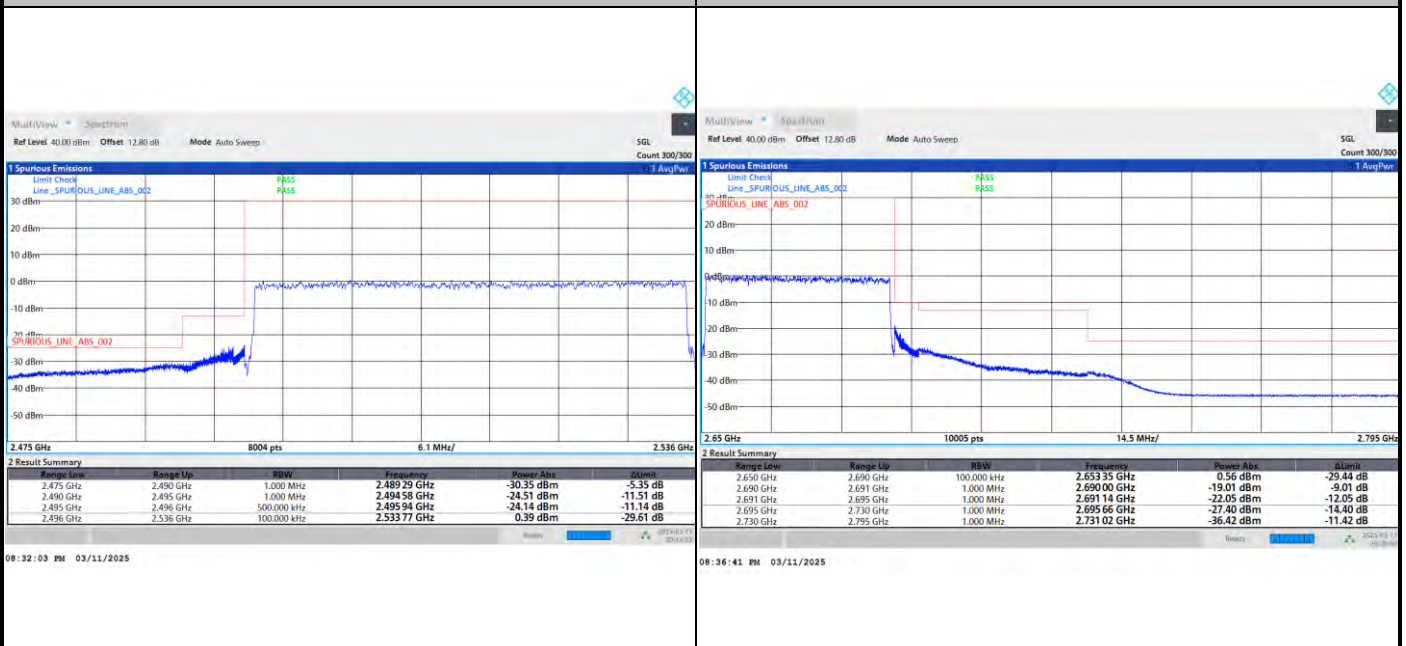
Highest Band Edge / Full RB



FR1 n41 / 40MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

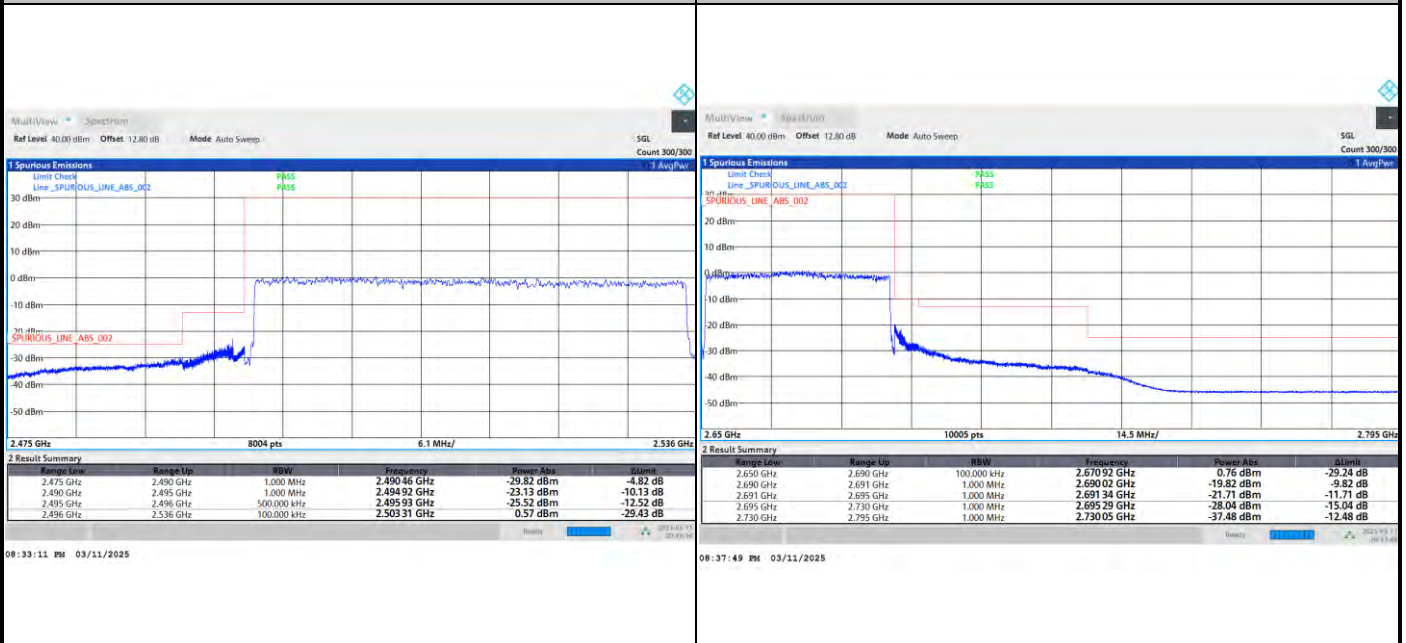




FR1 n41 / 40MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

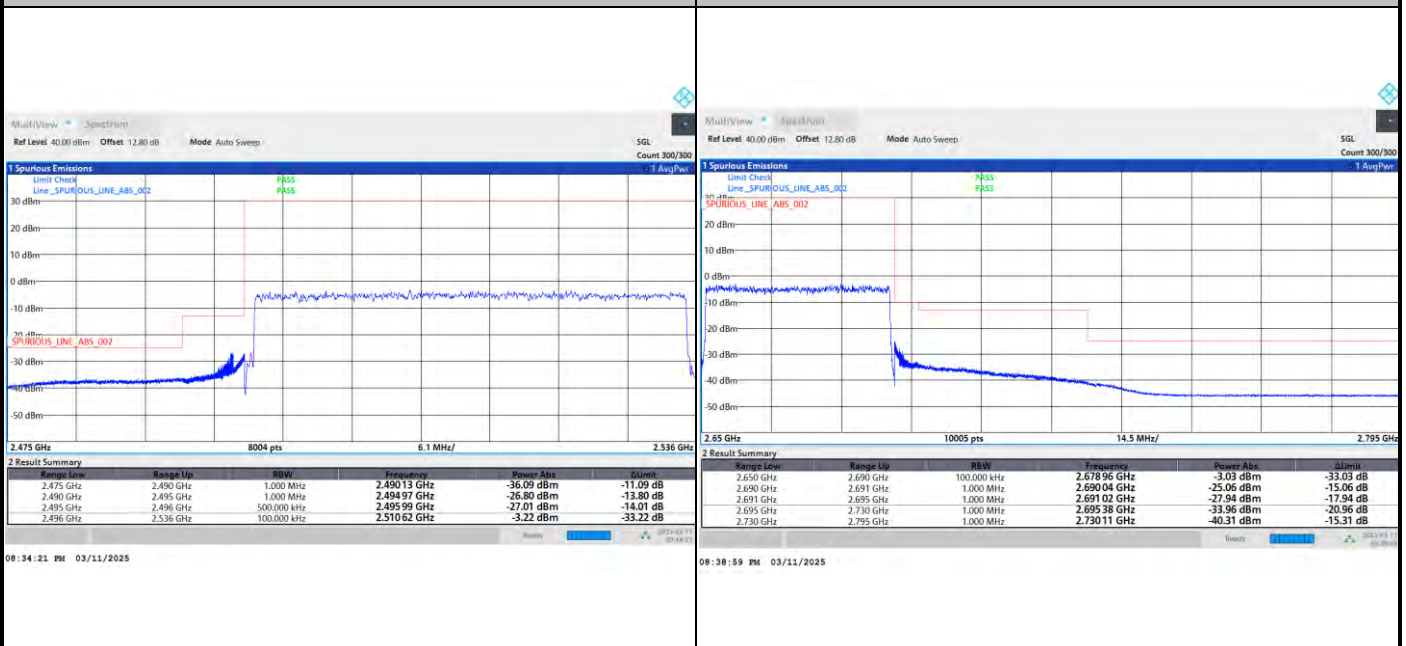
Highest Band Edge / Full RB



FR1 n41 / 40MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

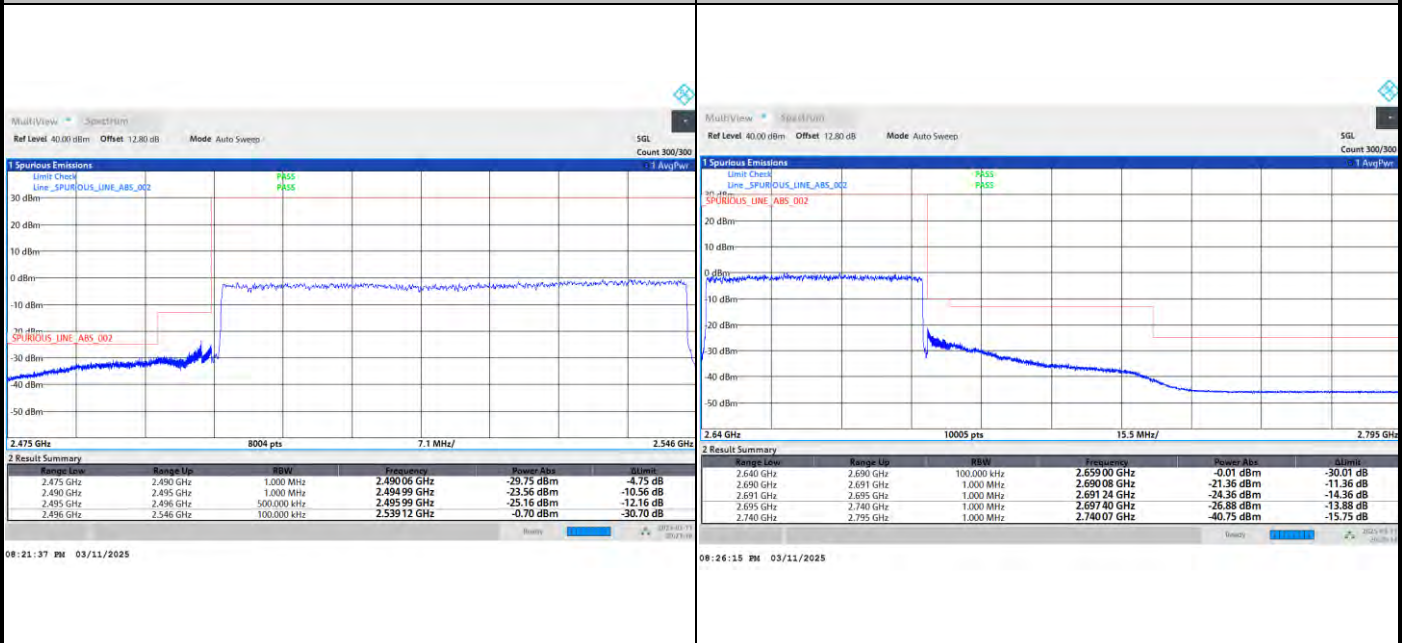




FR1 n41 / 50MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

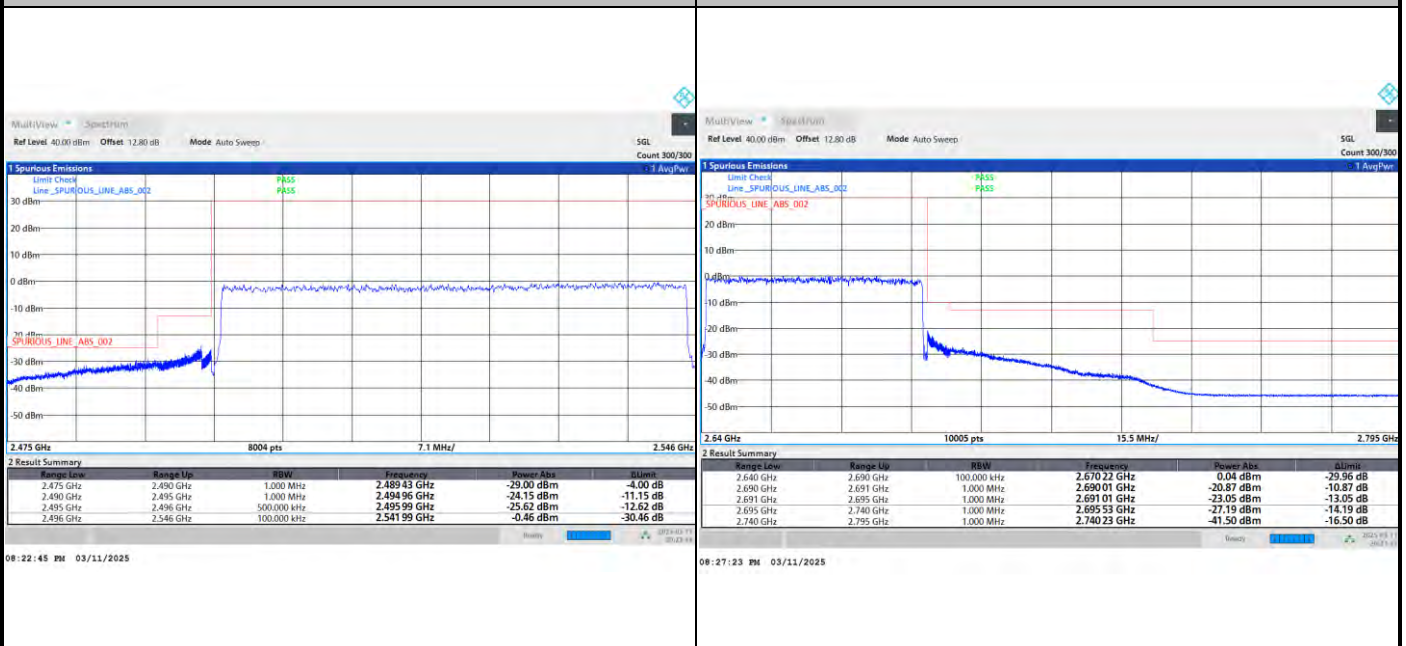
Highest Band Edge / Full RB



FR1 n41 / 50MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

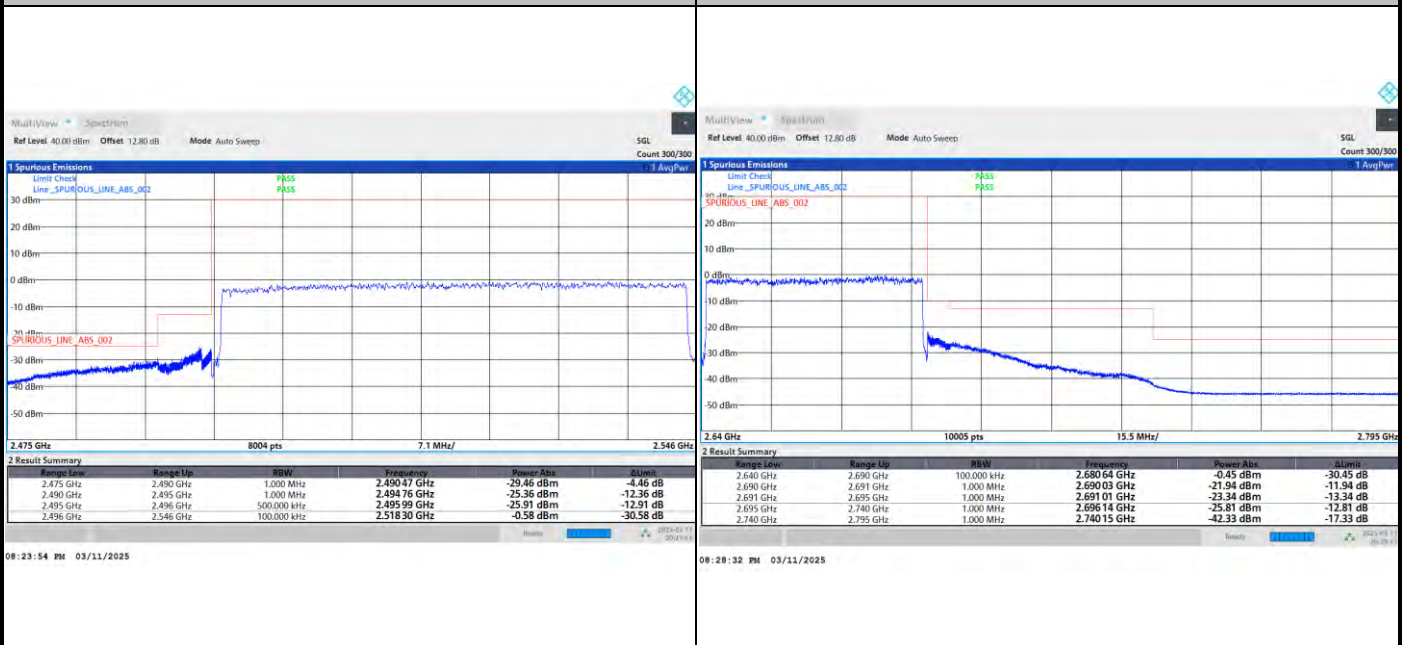




FR1 n41 / 50MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

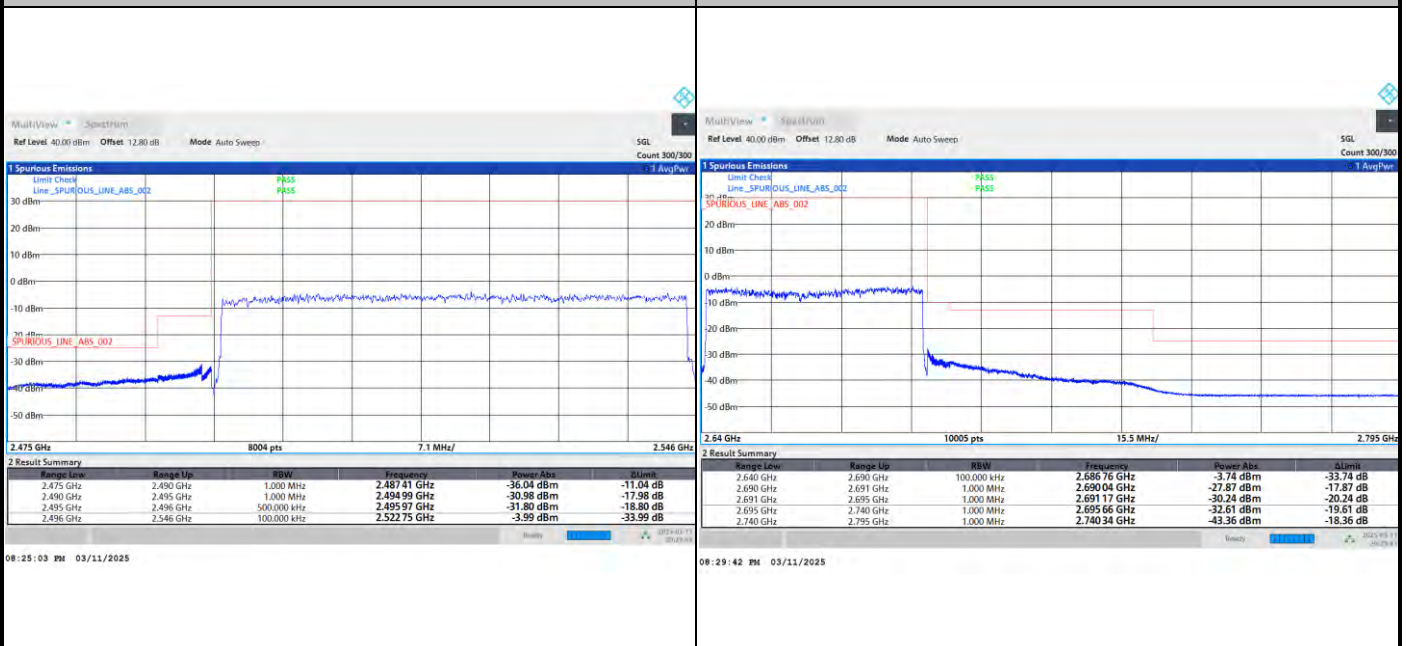
Highest Band Edge / Full RB



FR1 n41 / 50MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

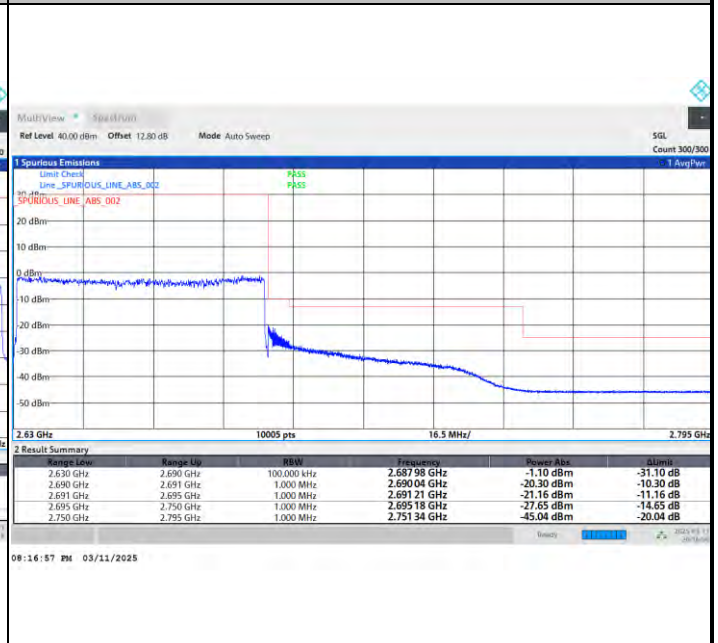
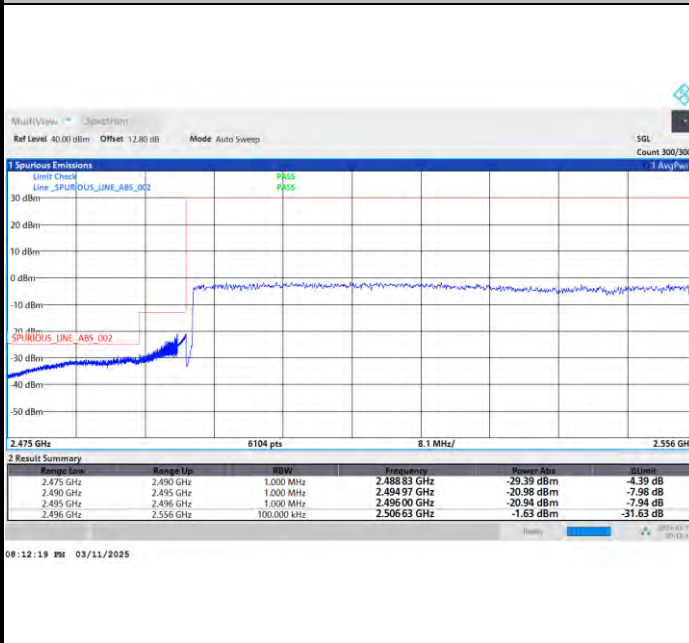




FR1 n41 / 60MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

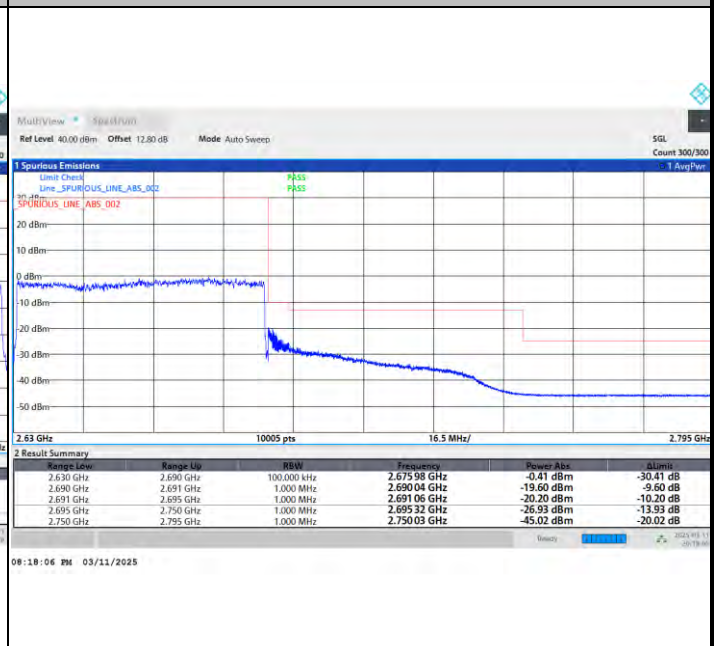
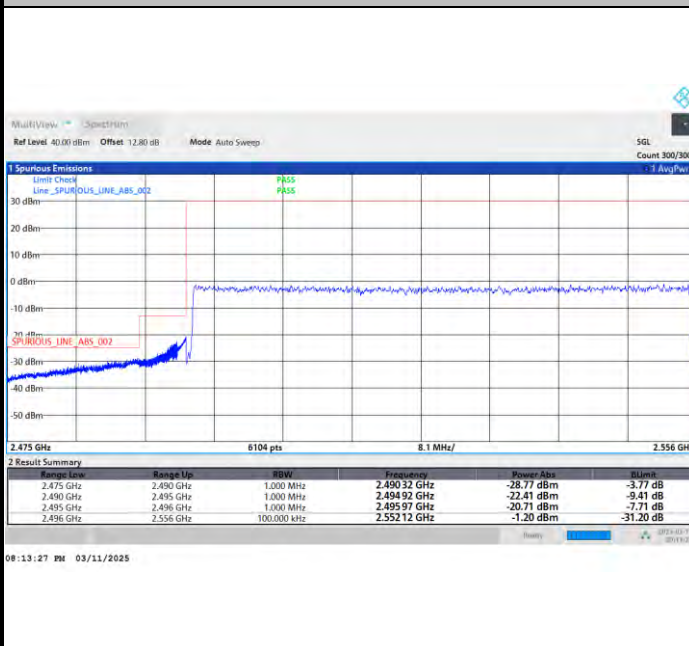
Highest Band Edge / Full RB



FR1 n41 / 60MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

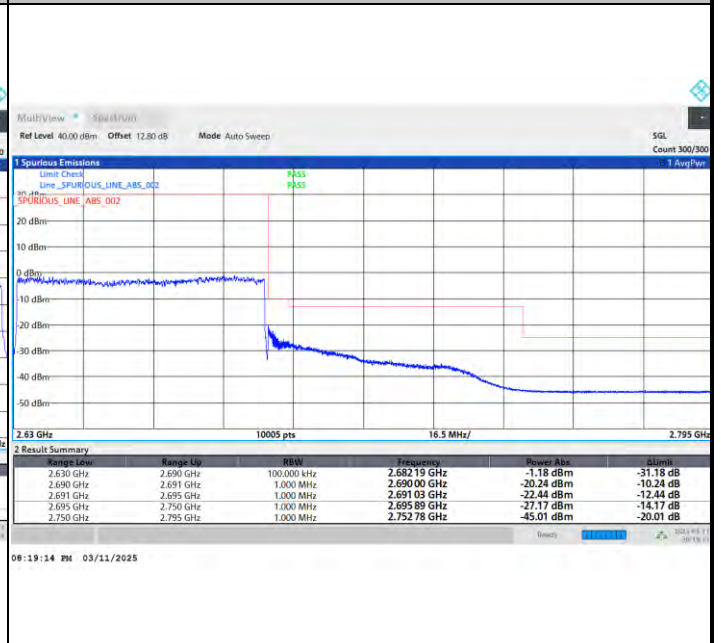
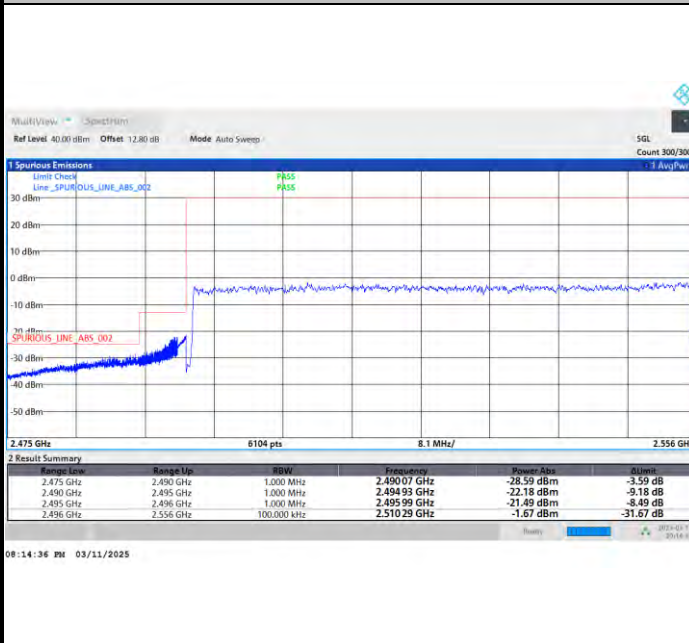




FR1 n41 / 60MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

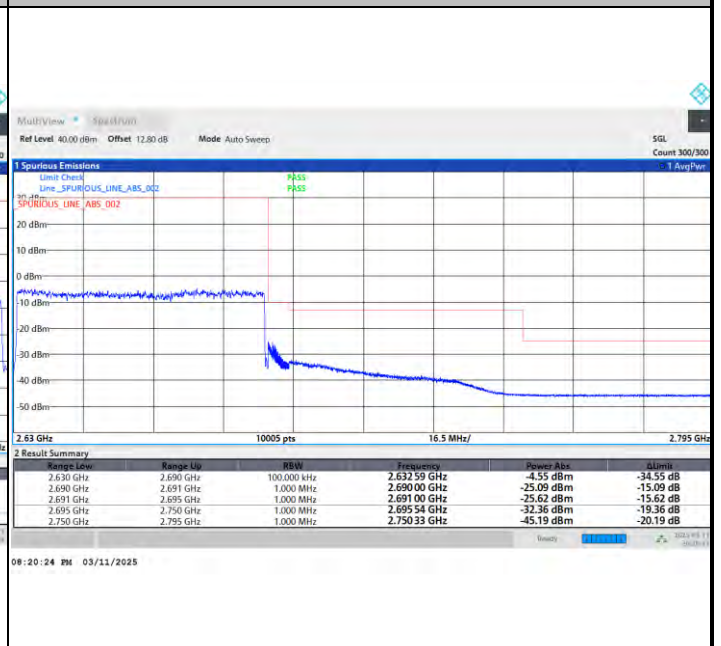
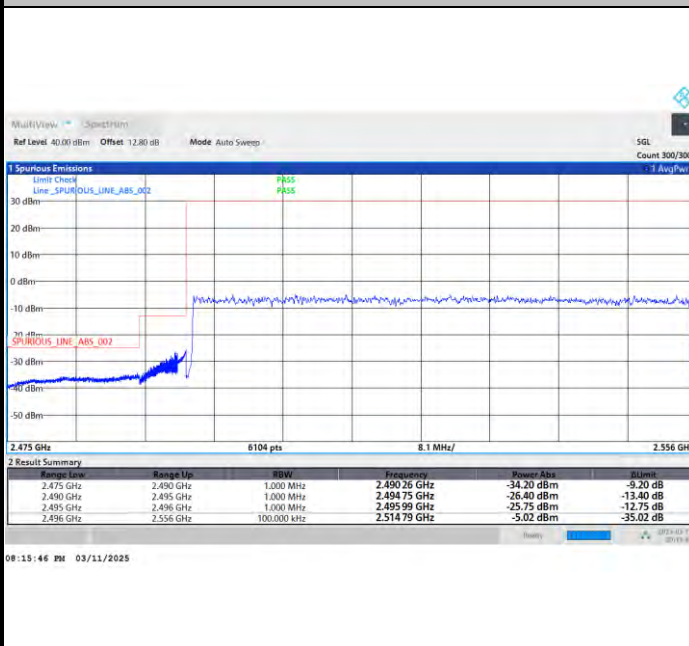
Highest Band Edge / Full RB



FR1 n41 / 60MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

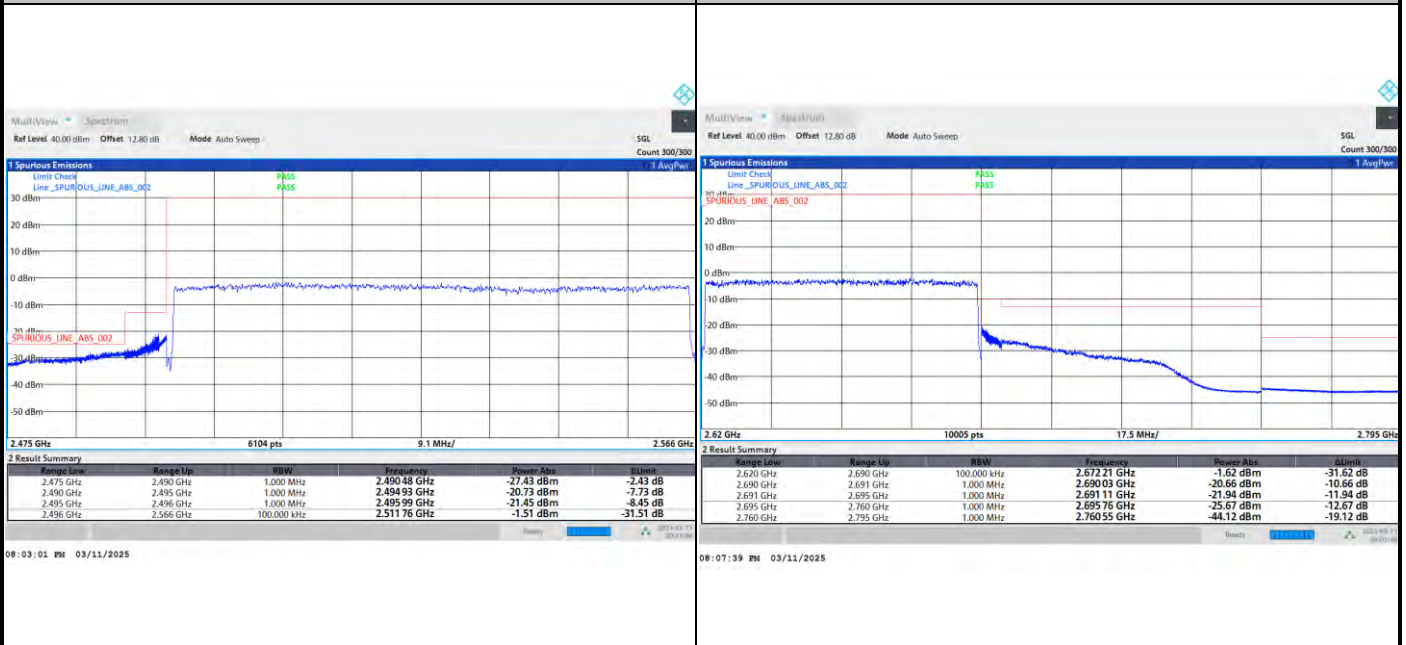




FR1 n41 / 70MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

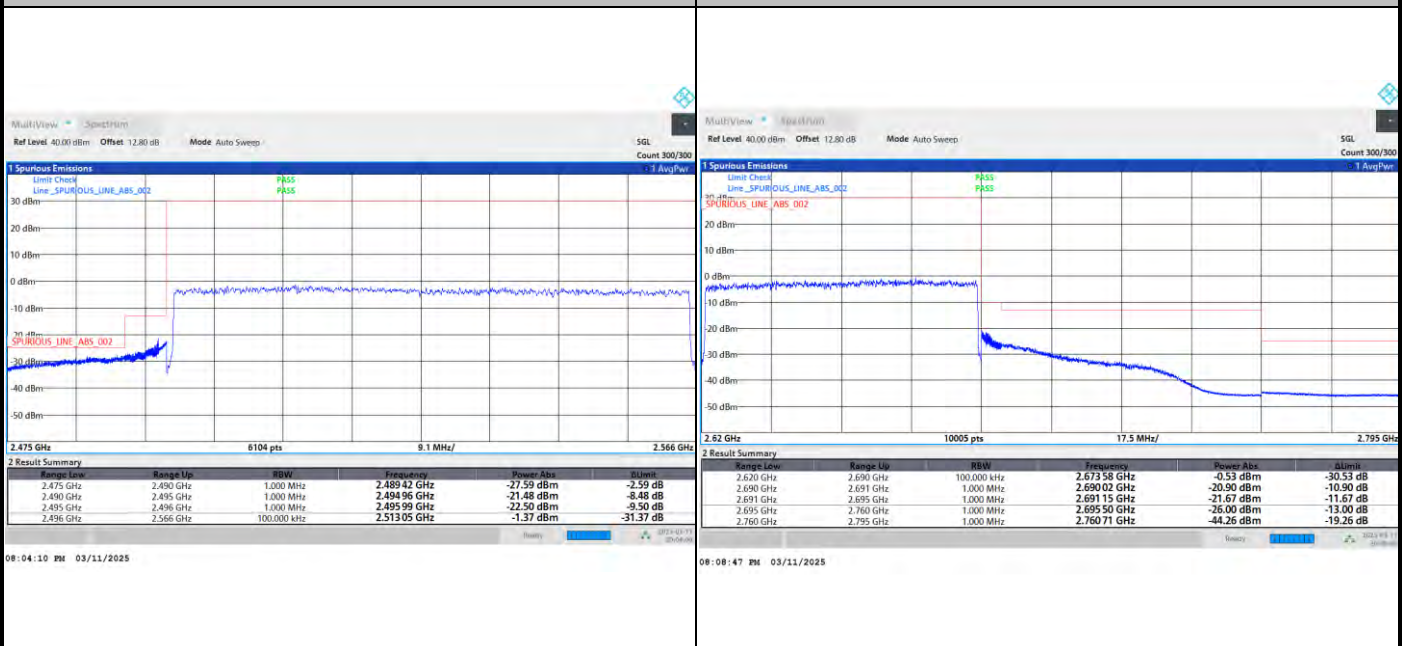
Highest Band Edge / Full RB



FR1 n41 / 70MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

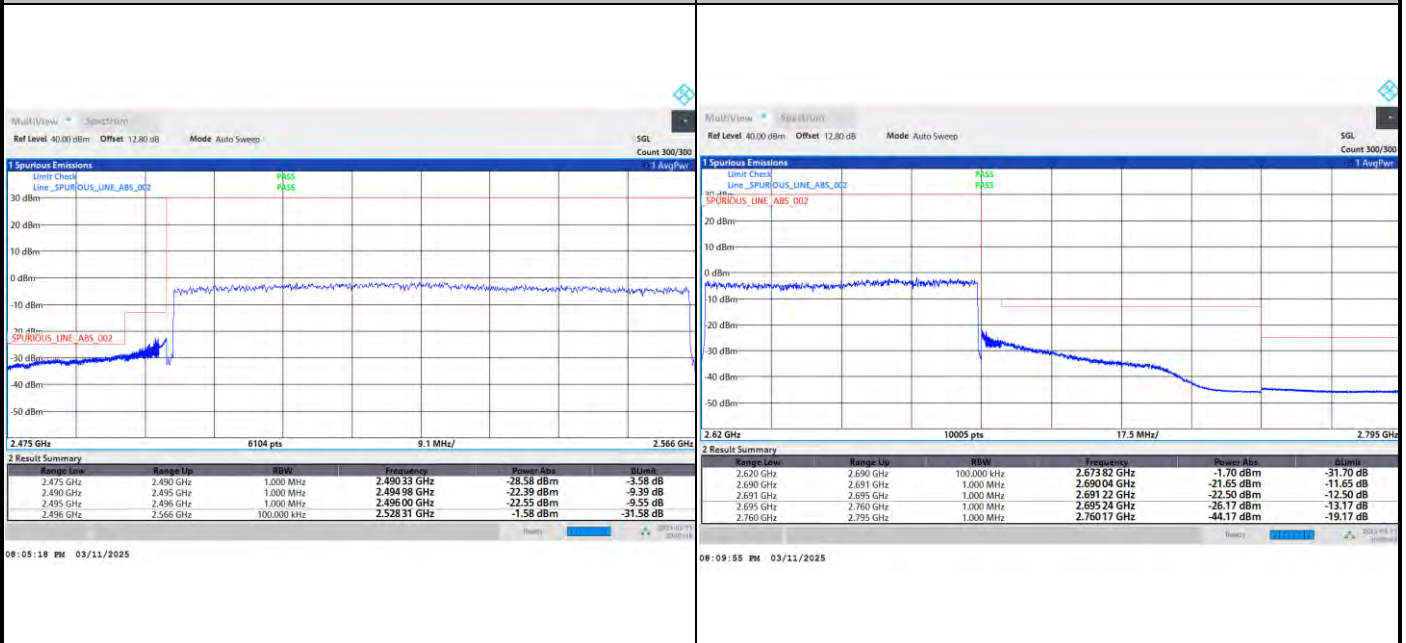




FR1 n41 / 70MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

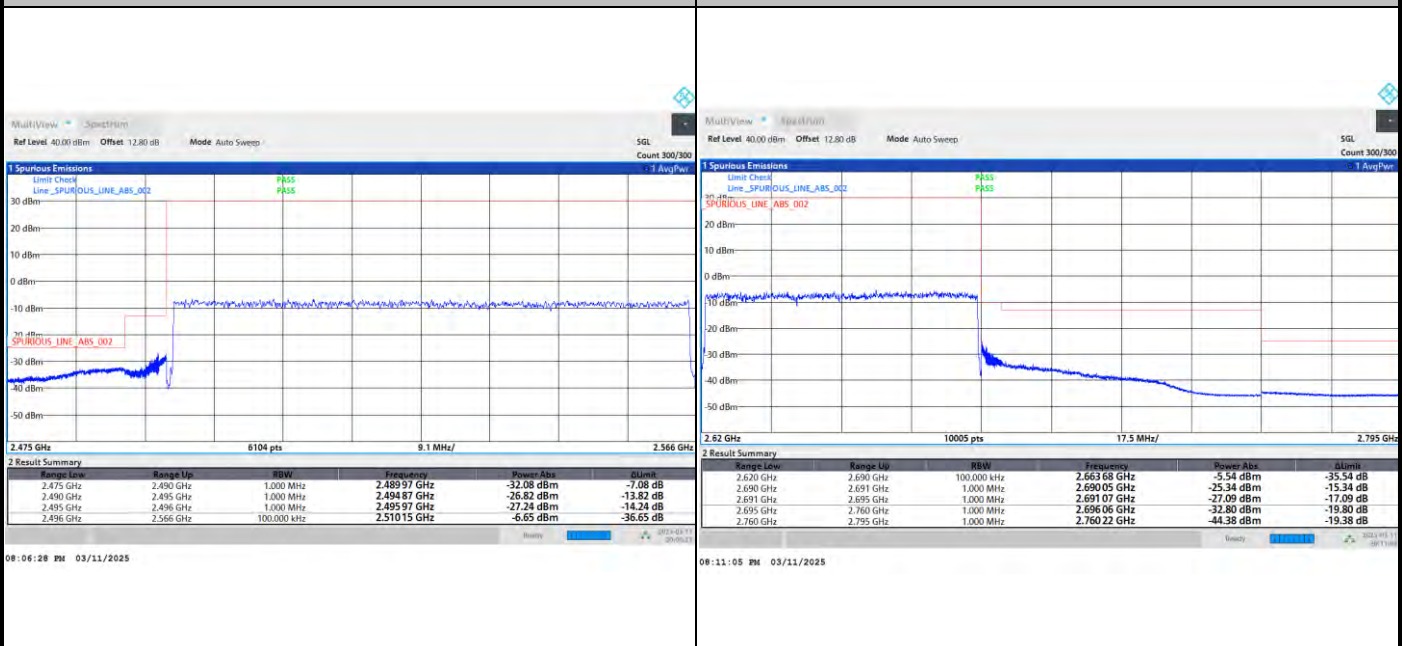
Highest Band Edge / Full RB



FR1 n41 / 70MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

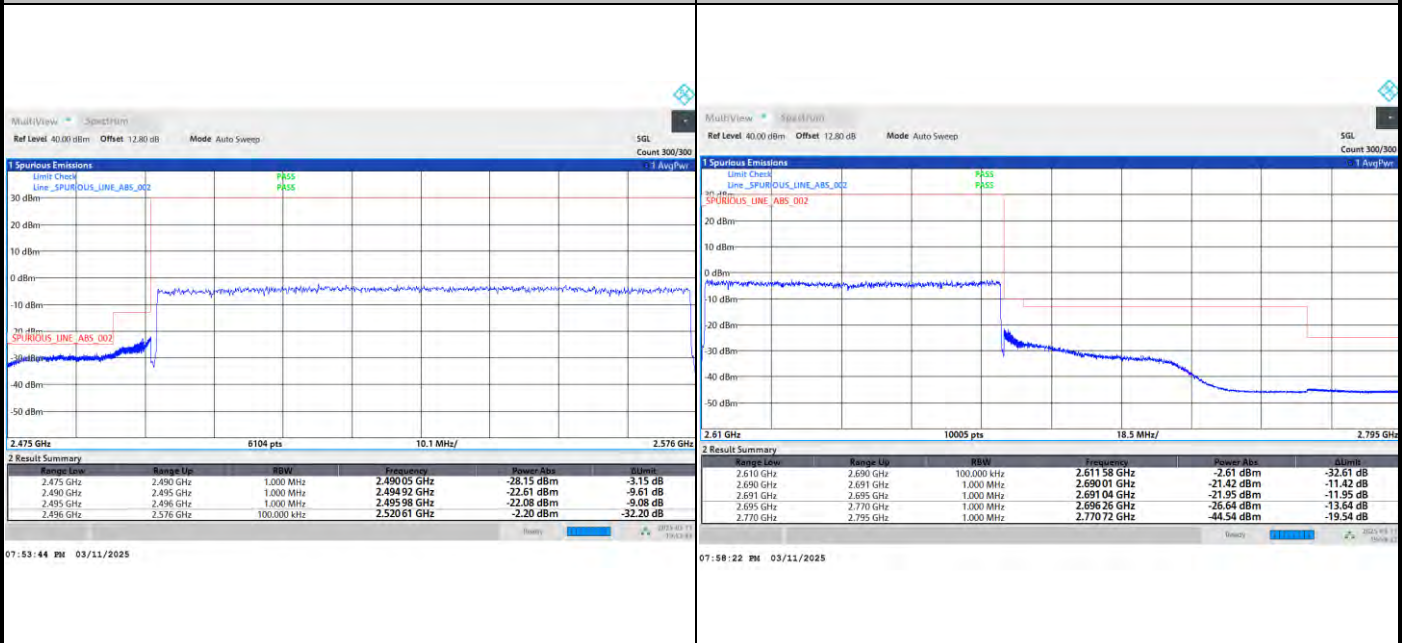




FR1 n41 / 80MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

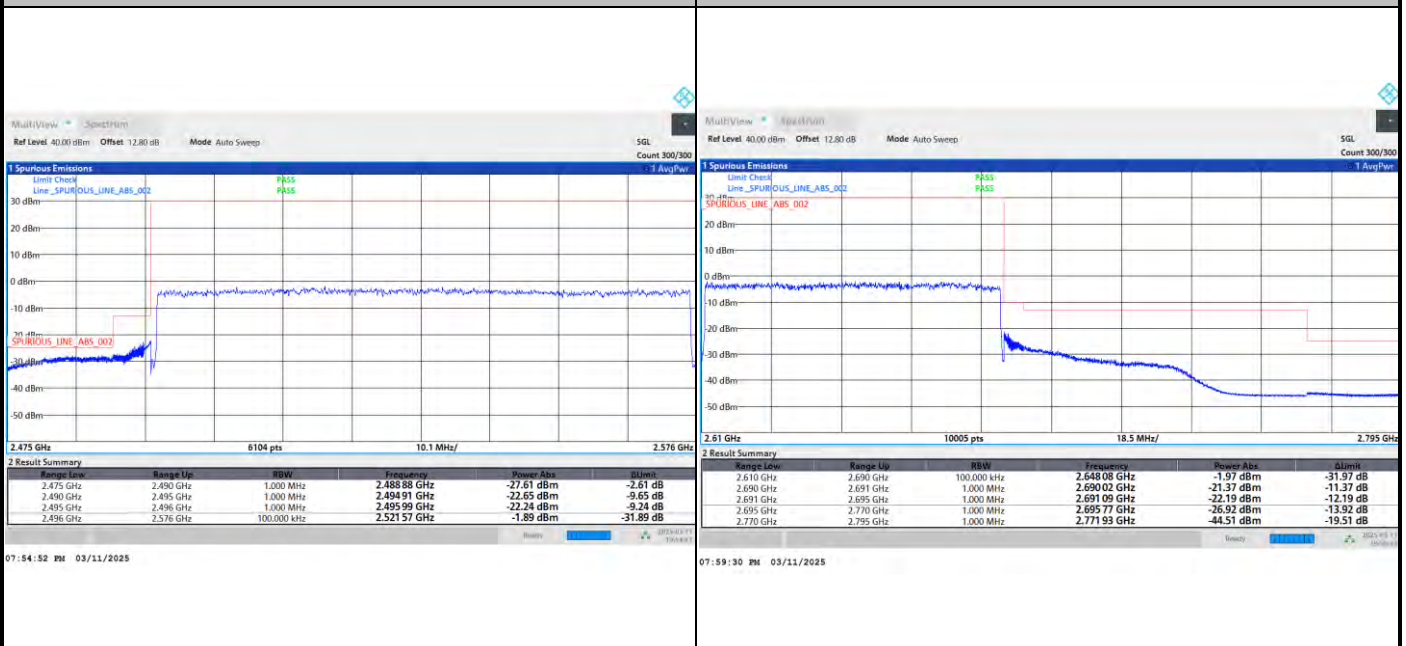
Highest Band Edge / Full RB



FR1 n41 / 80MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

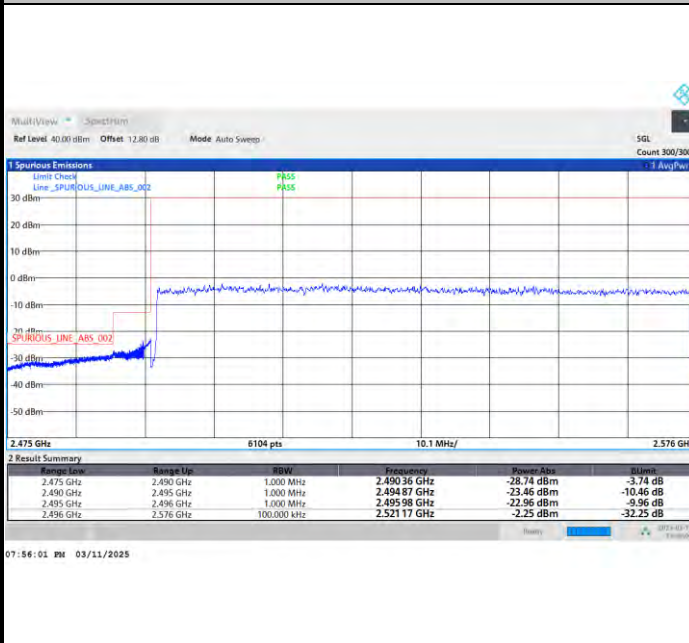




FR1 n41 / 80MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

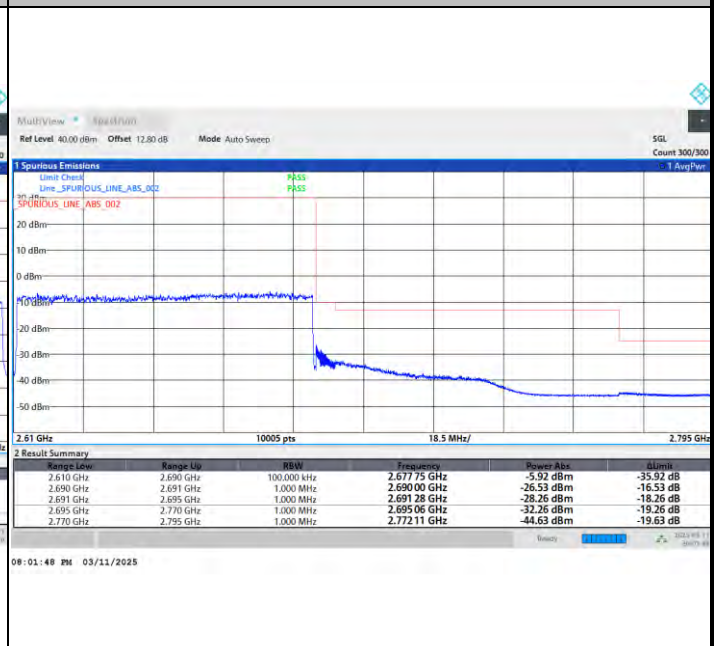
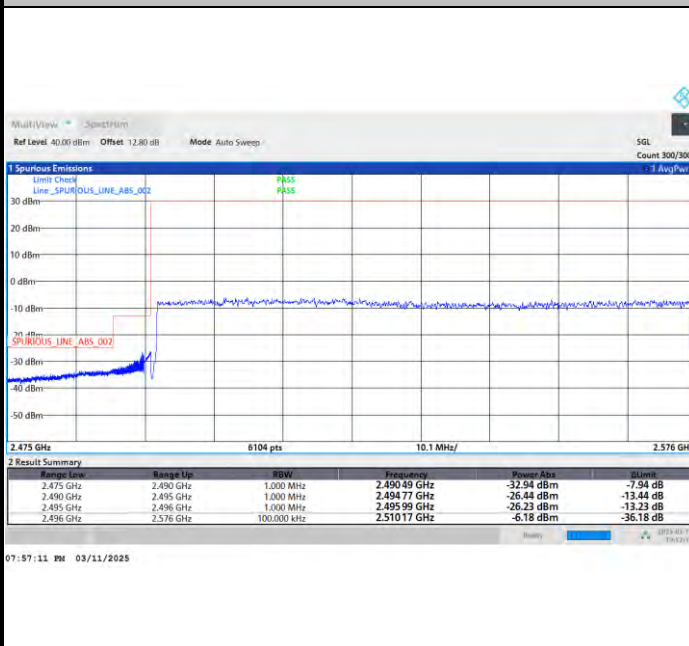
Highest Band Edge / Full RB



FR1 n41 / 80MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

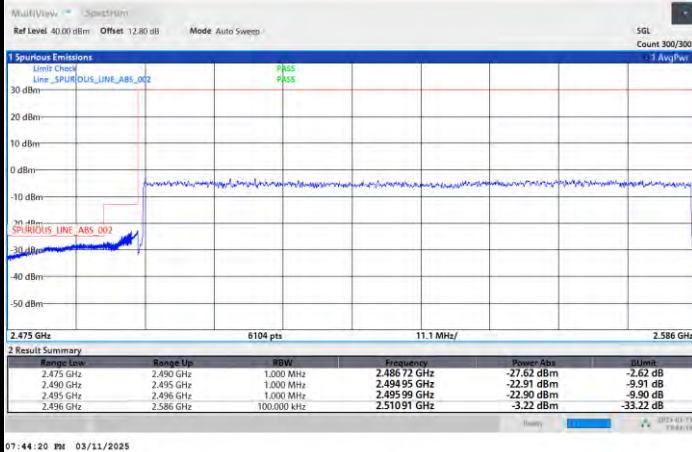




FR1 n41 / 90MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

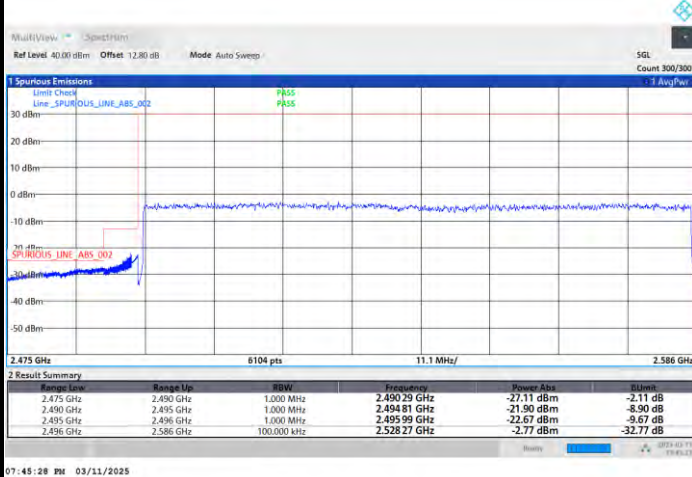
Highest Band Edge / Full RB



FR1 n41 / 90MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

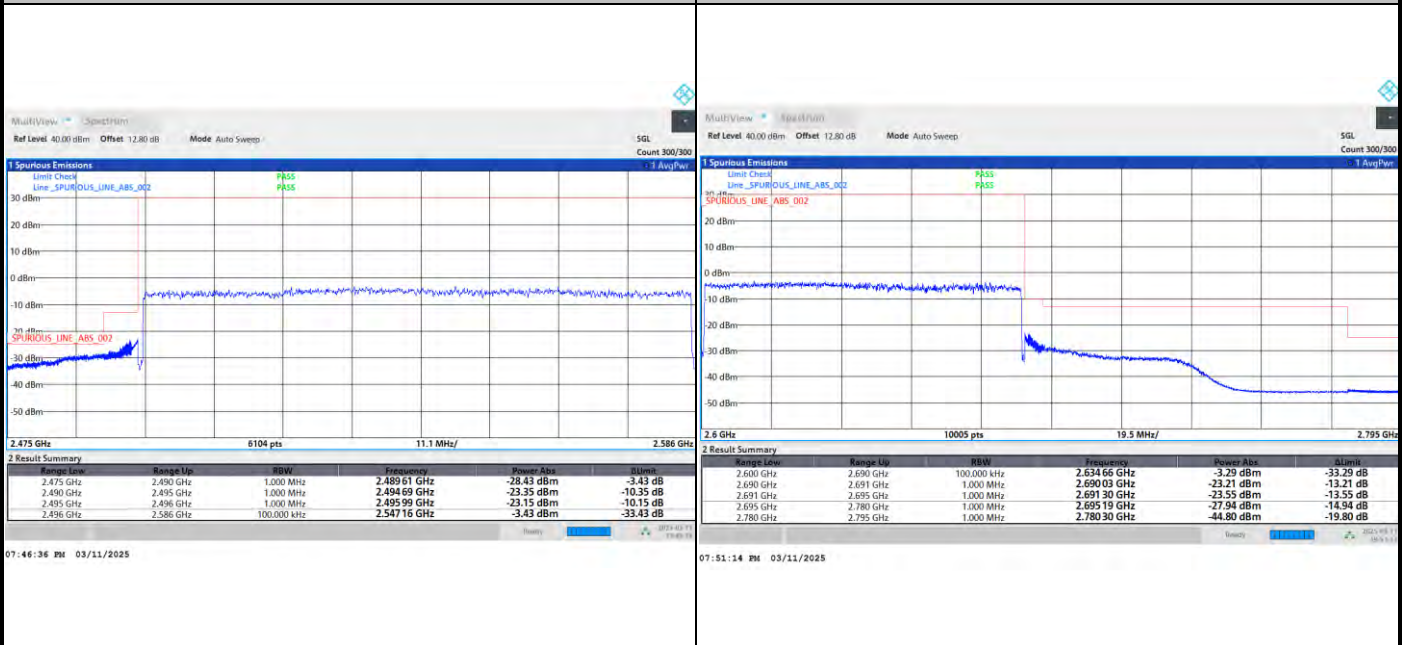




FR1 n41 / 90MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

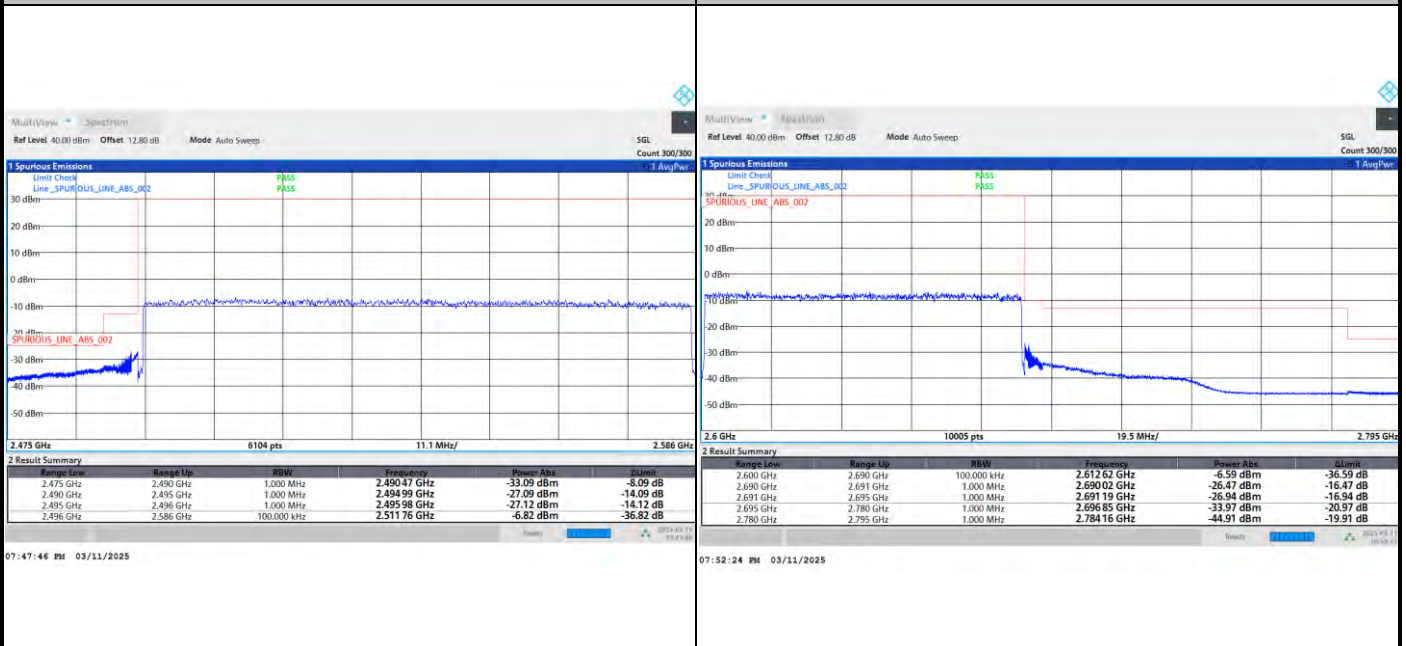
Highest Band Edge / Full RB



FR1 n41 / 90MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

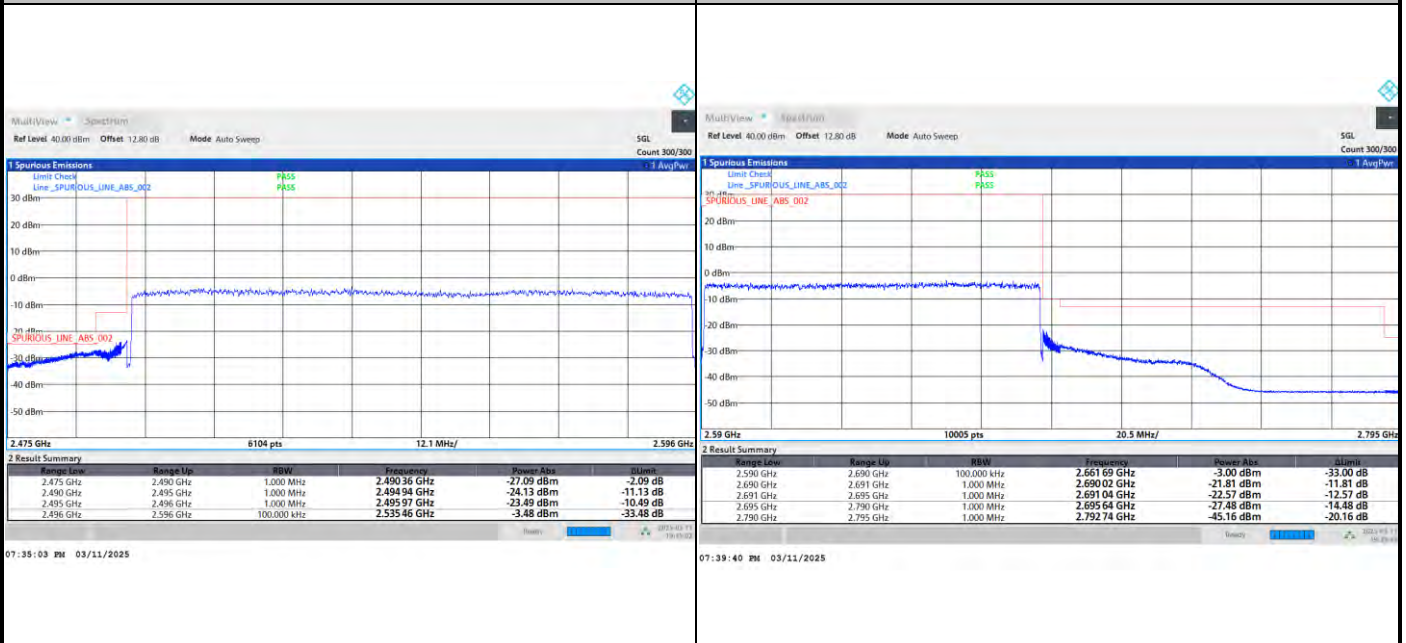




FR1 n41 / 100MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

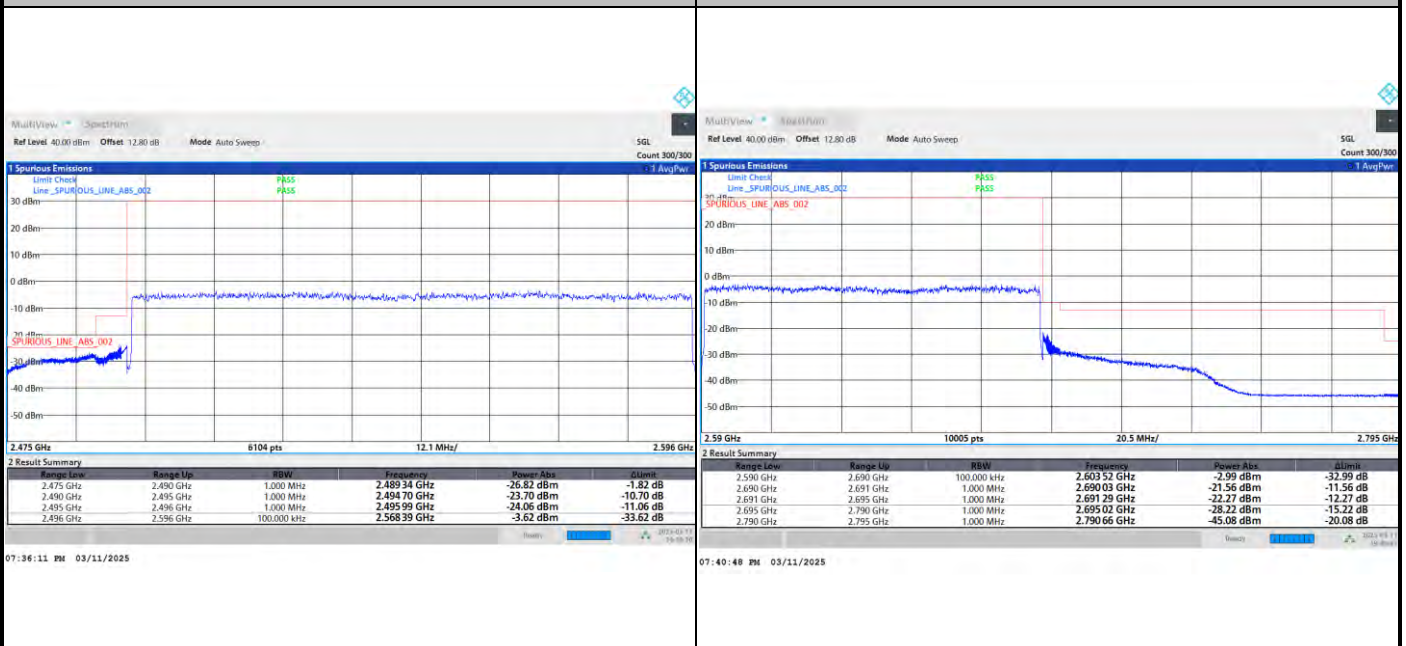
Highest Band Edge / Full RB



FR1 n41 / 100MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

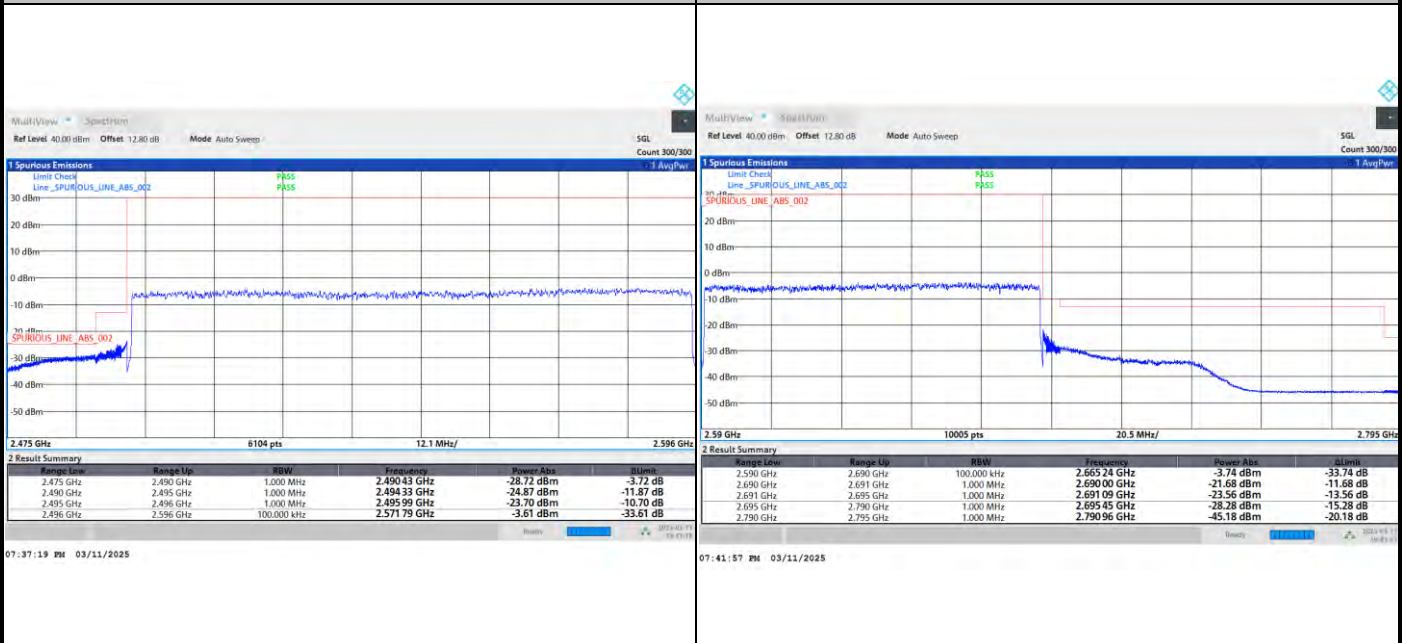




FR1 n41 / 100MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

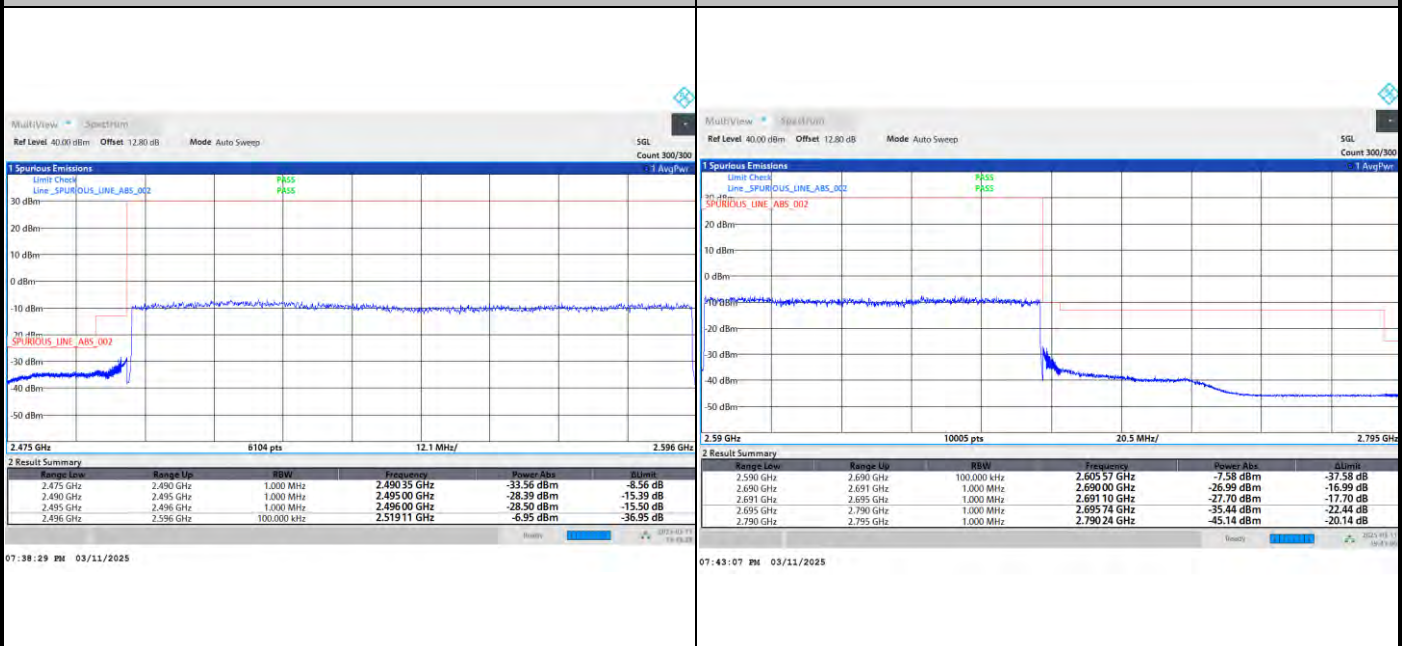
Highest Band Edge / Full RB



FR1 n41 / 100MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB





Conducted Spurious Emission

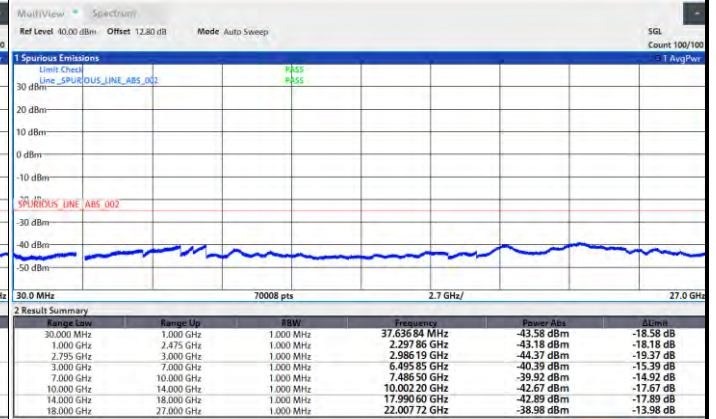
FR1 n41 / 10MHz / CP OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel

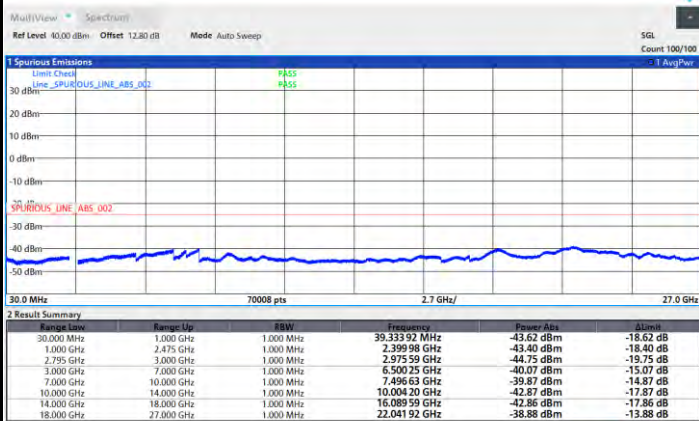


04:09:45 AM 03/12/2025



04:10:57 AM 03/12/2025

Highest Channel



04:12:10 AM 03/12/2025

Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0043	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0025	
20	Minimum Voltage	0.0017	

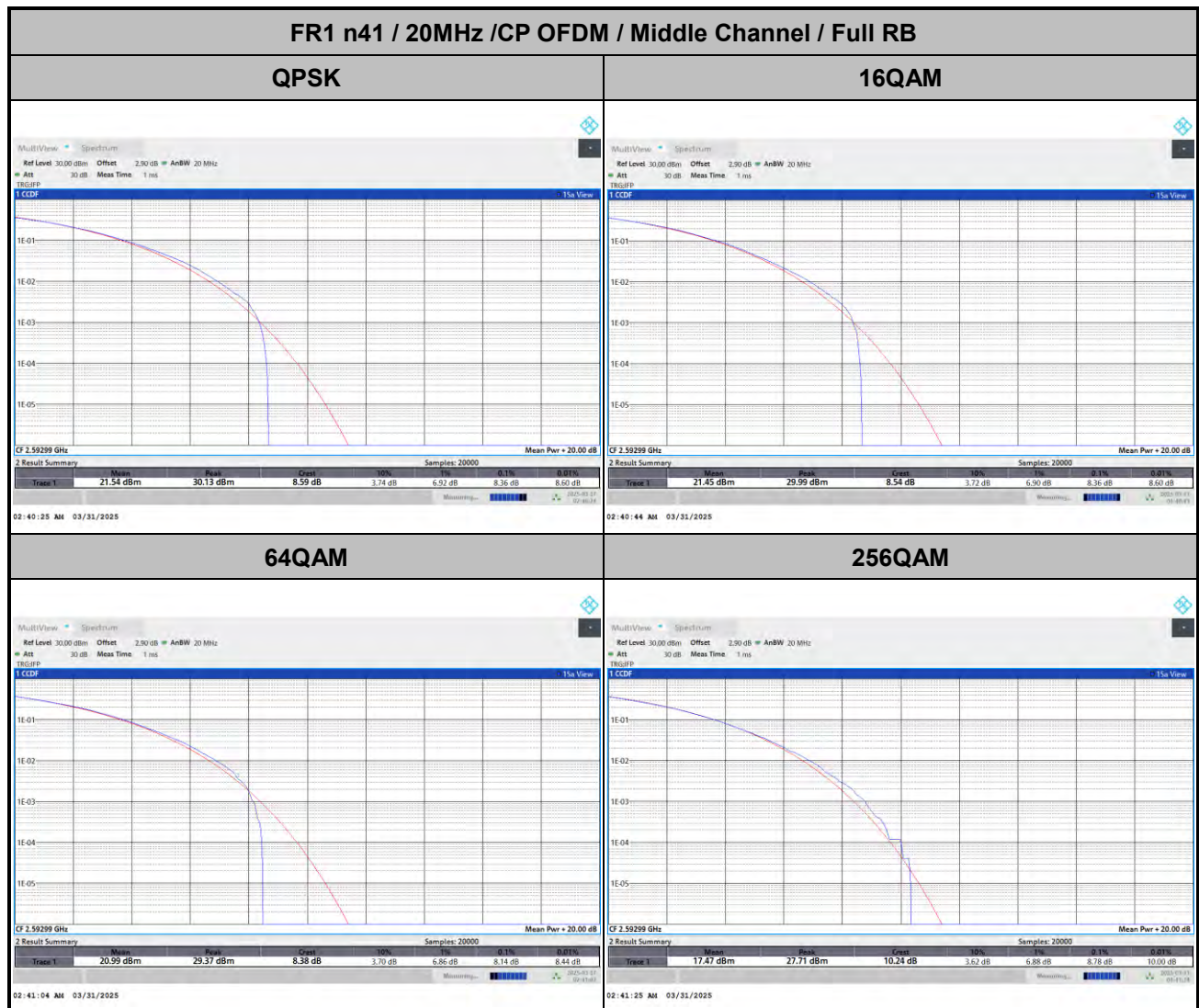
Note:

1. Normal Voltage = 3.89 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

MIMO <Ant. 0>

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	8.36	8.36	8.14	8.78	PASS



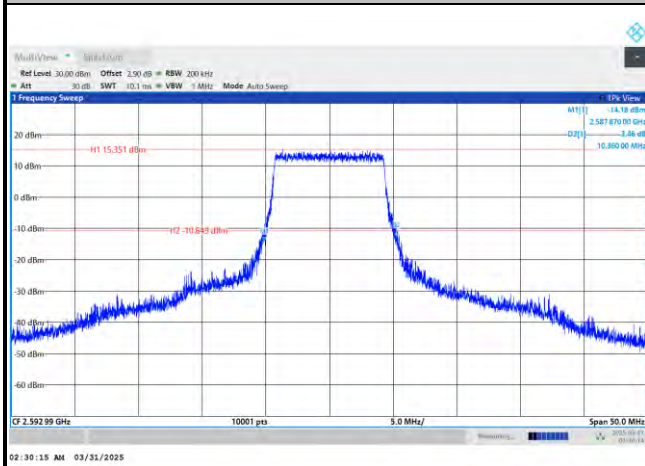
**26dB Bandwidth**

Mode	FR1 n41 : 26dB BW(MHz) / CP OFDM							
BW	10MHz		15MHz		20MHz		25MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	10.36	10.34	15.60	15.47	20.02	19.89	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	10.46	10.02	15.48	15.55	20.07	20.30	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	31.05	31.00	42.49	42.40	51.93	52.16	66.72	66.16
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	30.96	30.82	42.38	42.35	52.52	52.42	66.45	66.96
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	77.01	76.73	85.00	83.01	96.68	97.48	107.18	105.80
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	77.55	76.26	84.39	84.13	97.04	97.41	106.51	105.47

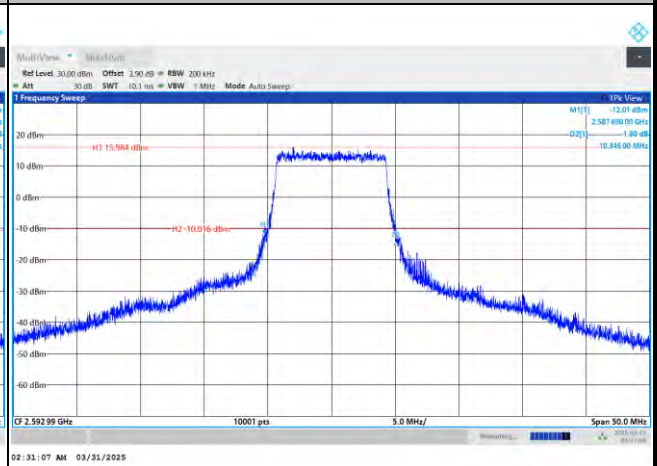


FR1 n41 / 10MHz / CP OFDM / Middle Channel / Full RB

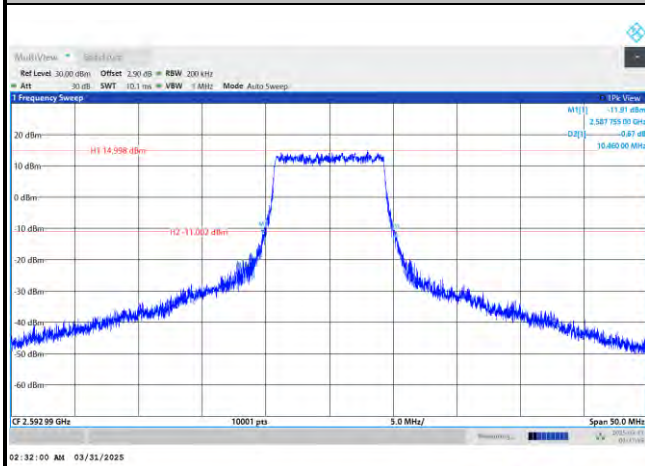
QPSK



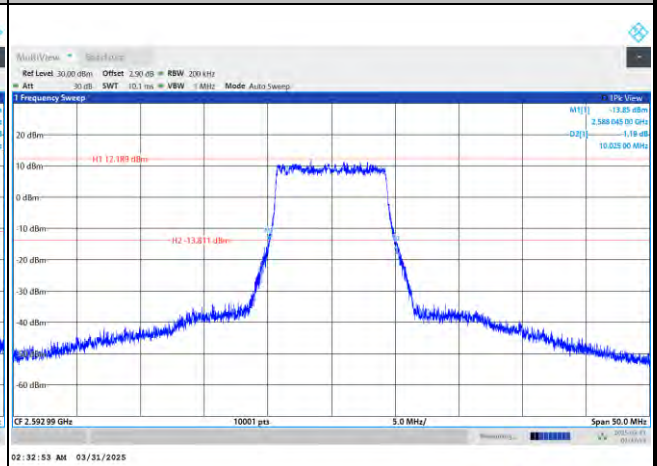
16QAM



64QAM



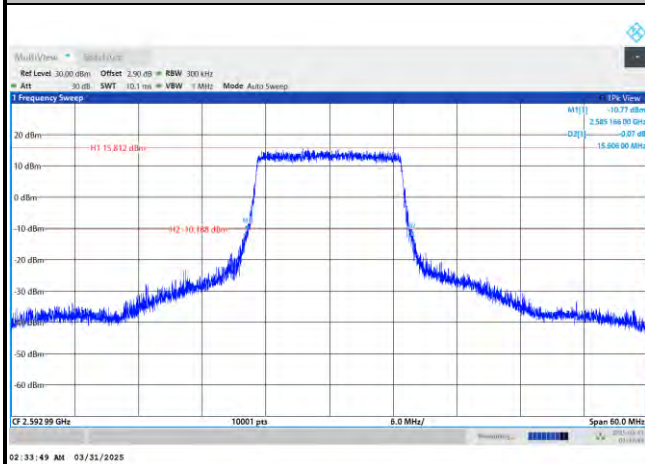
256QAM



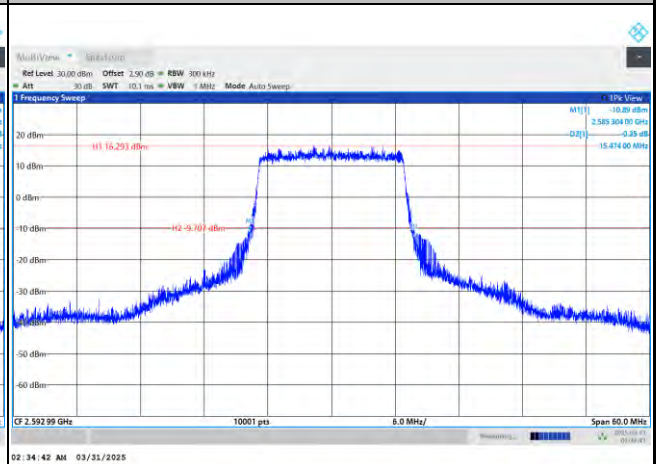


FR1 n41 / 15MHz / CP OFDM / Middle Channel / Full RB

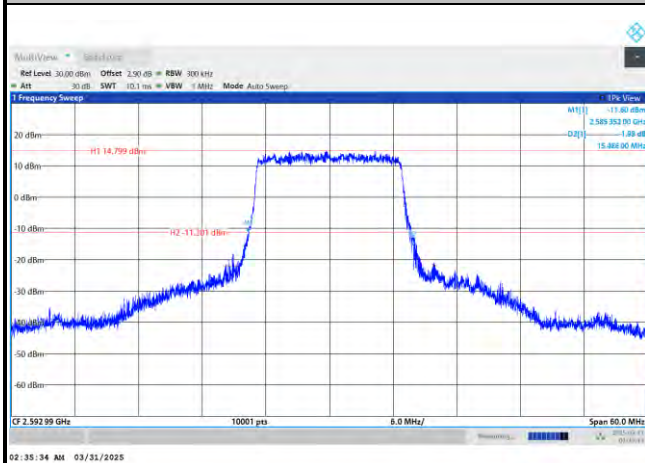
QPSK



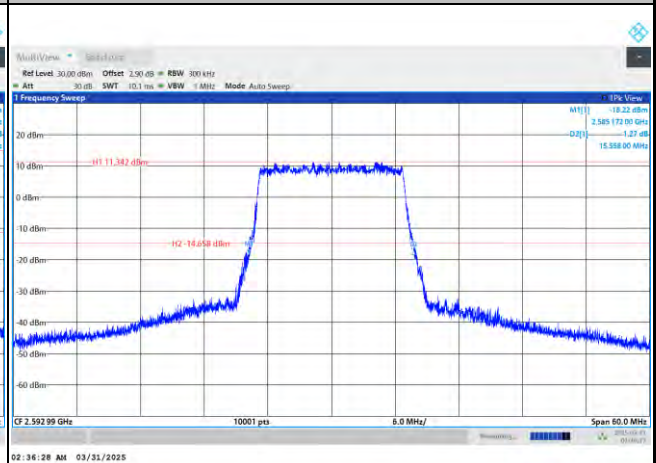
16QAM



64QAM



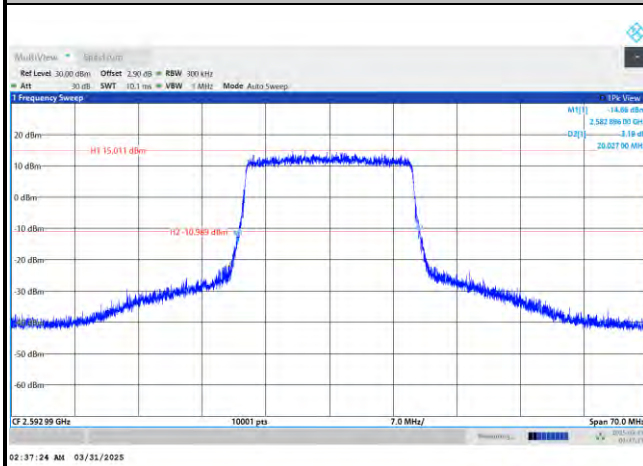
256QAM



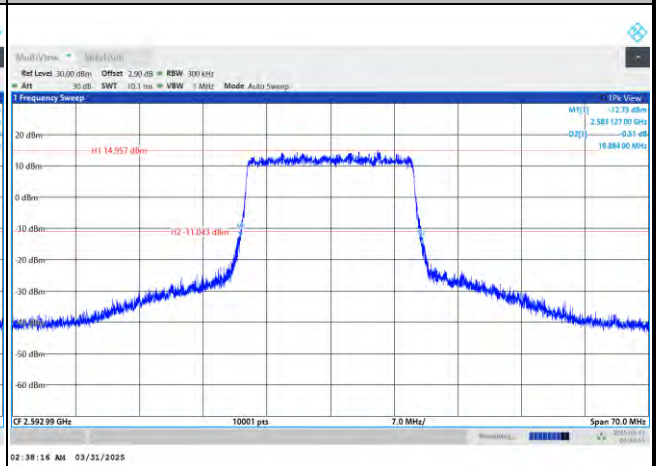


FR1 n41 / 20MHz / CP OFDM / Middle Channel / Full RB

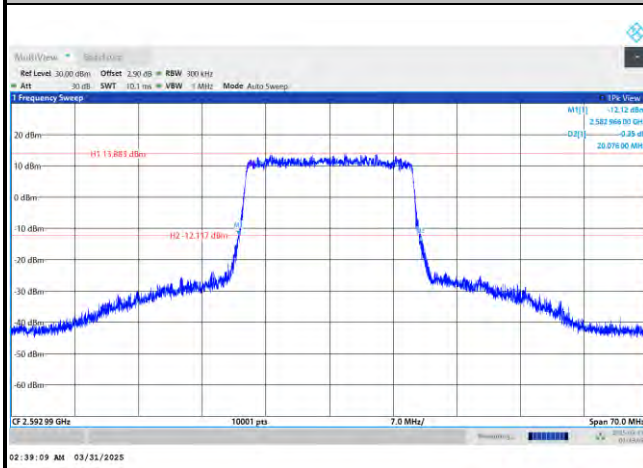
QPSK



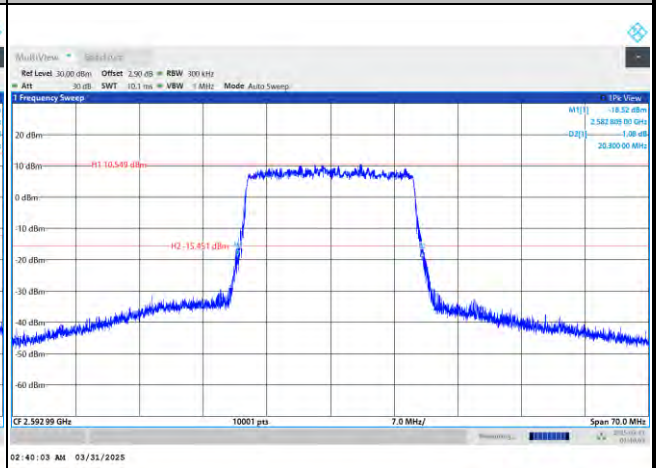
16QAM

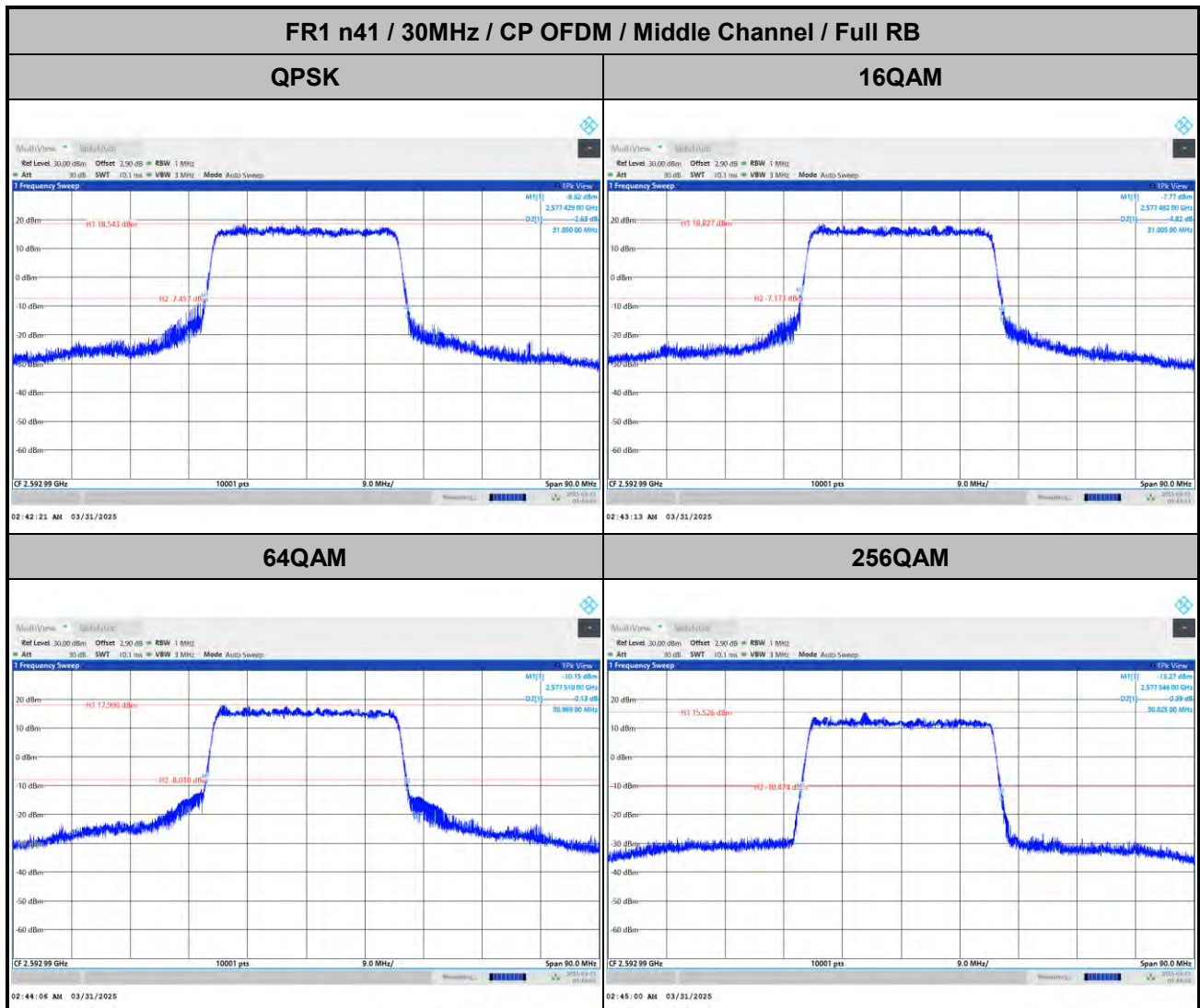


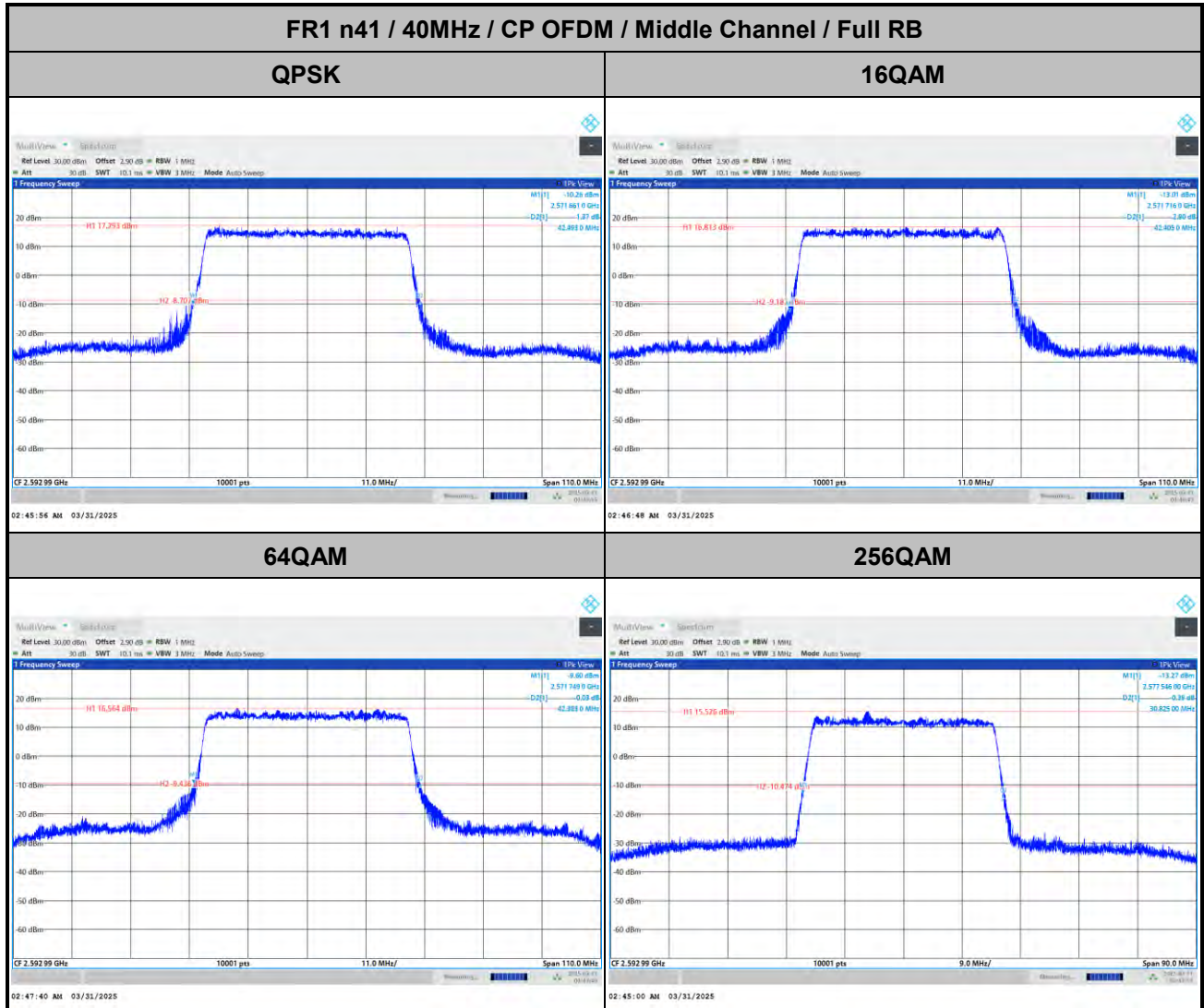
64QAM

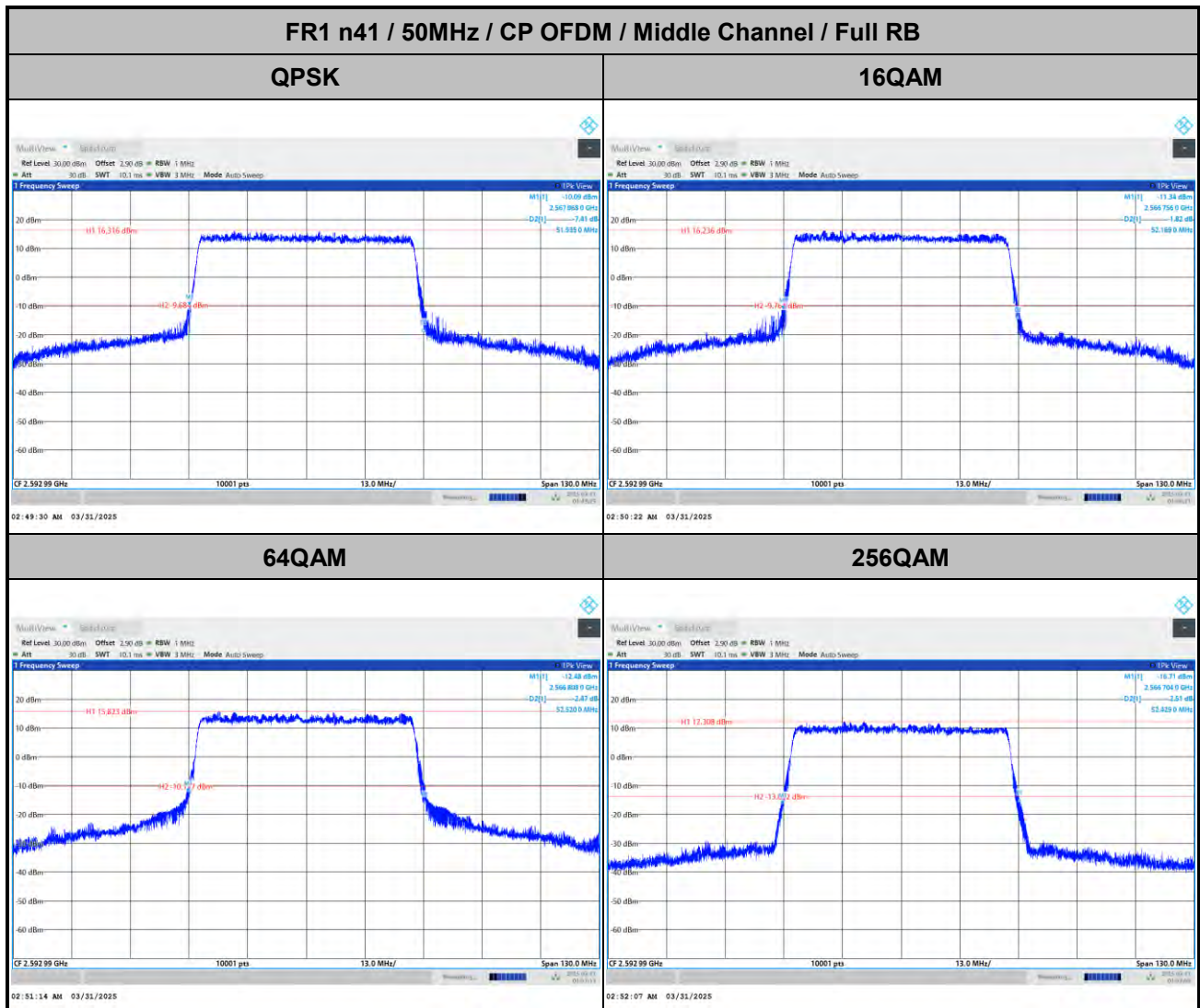


256QAM



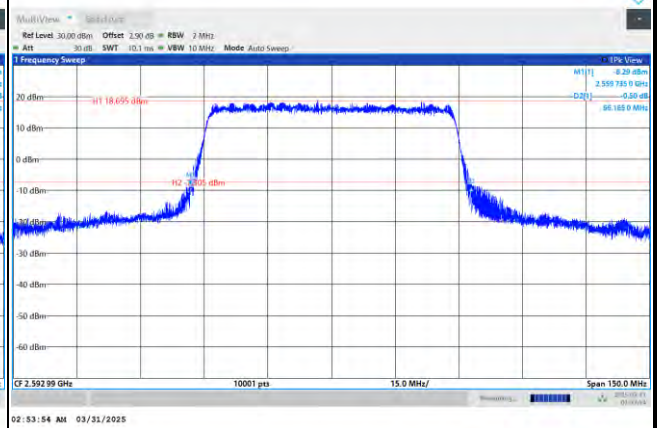




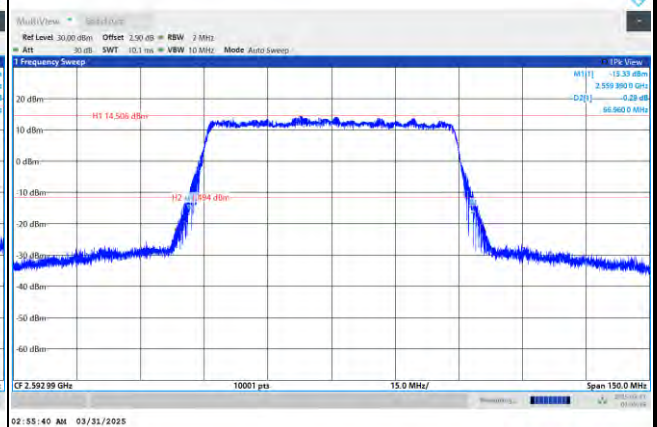


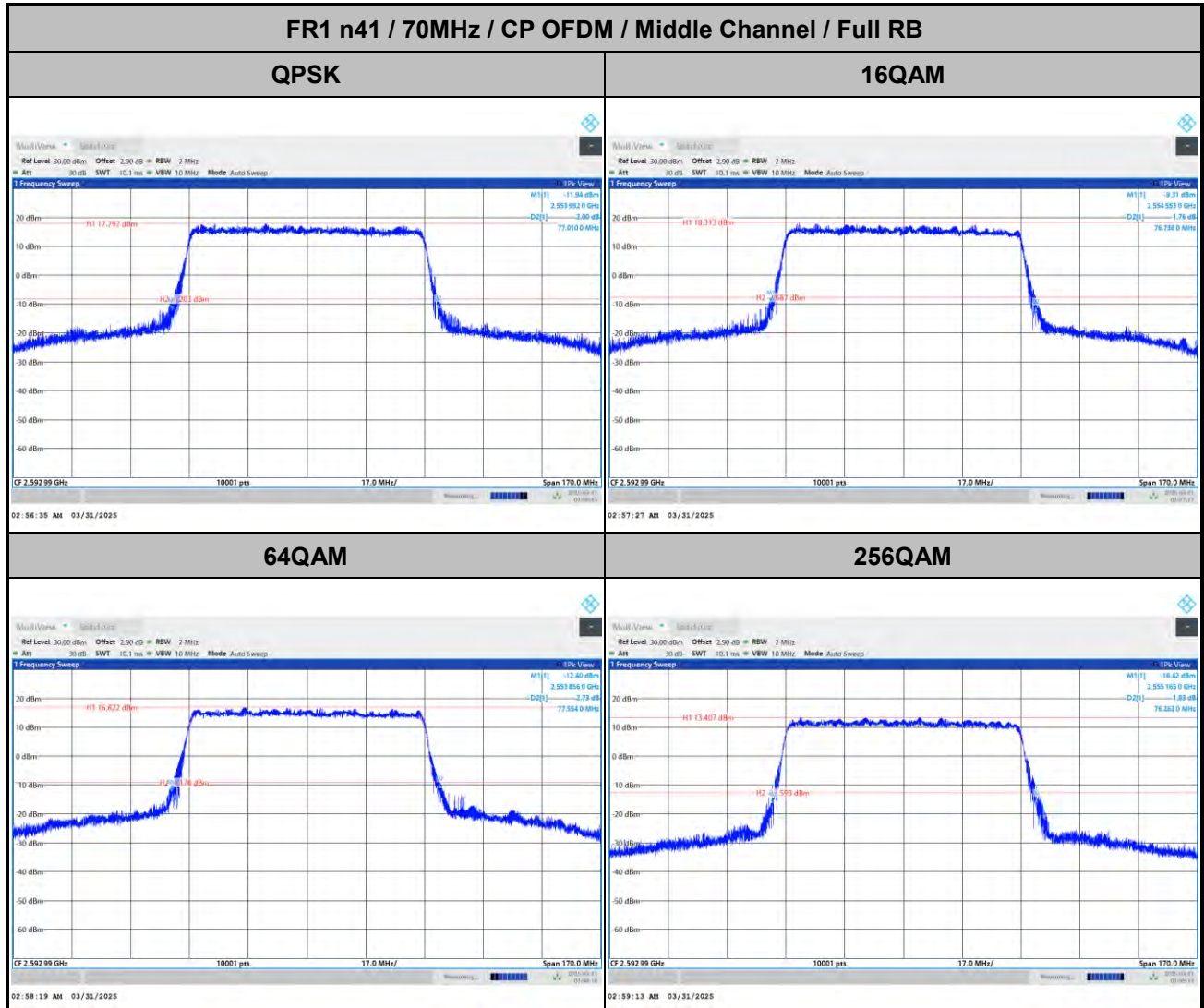


16QAM



256QAM

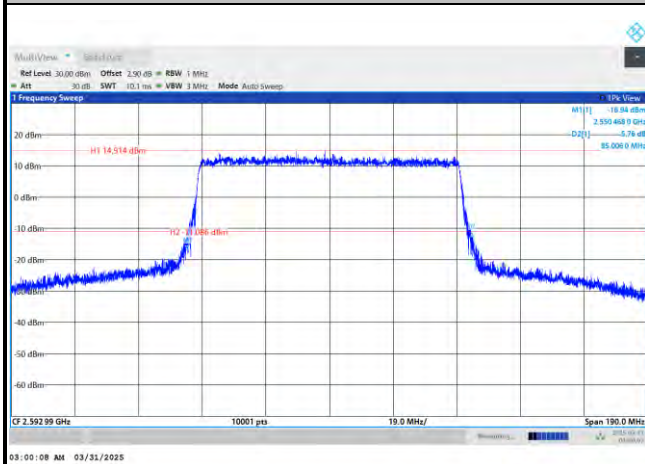




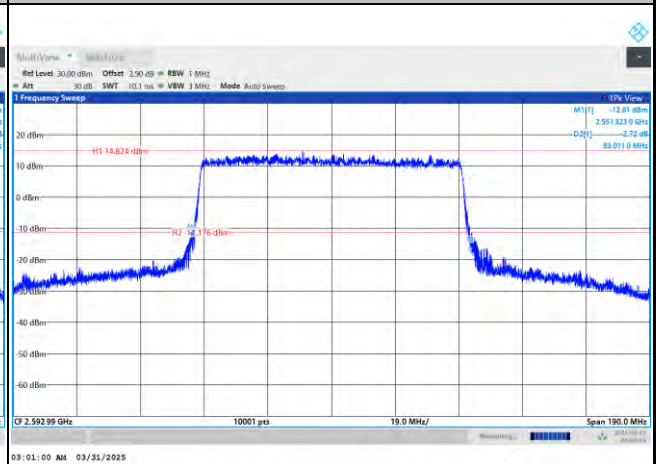


FR1 n41 / 80MHz / CP OFDM / Middle Channel / Full RB

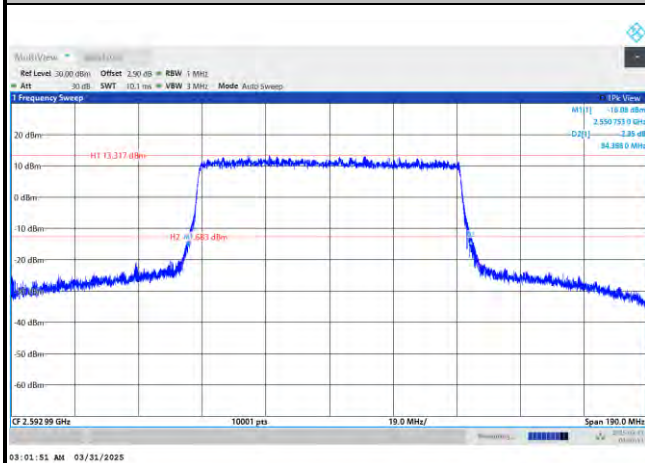
QPSK



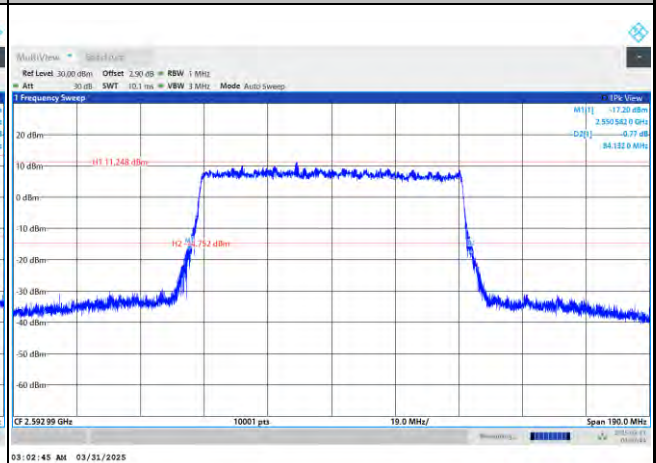
16QAM



64QAM



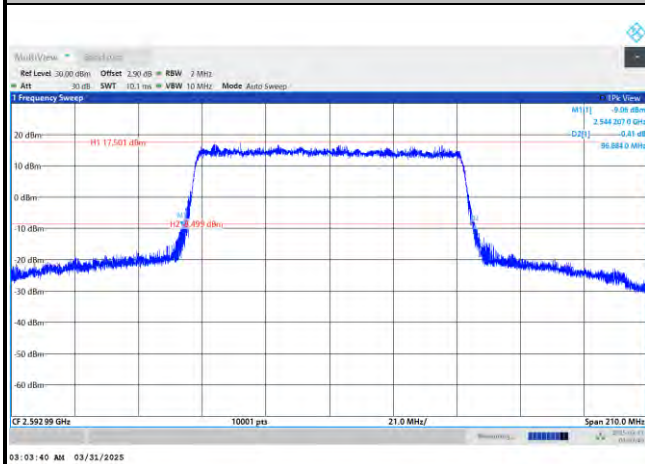
256QAM



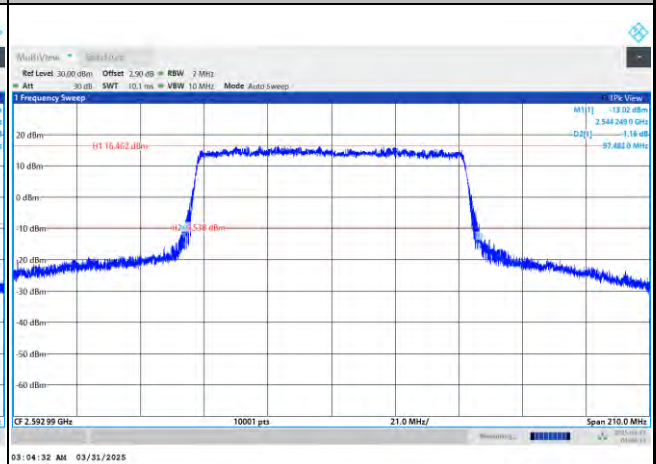


FR1 n41 / 90MHz / CP OFDM / Middle Channel / Full RB

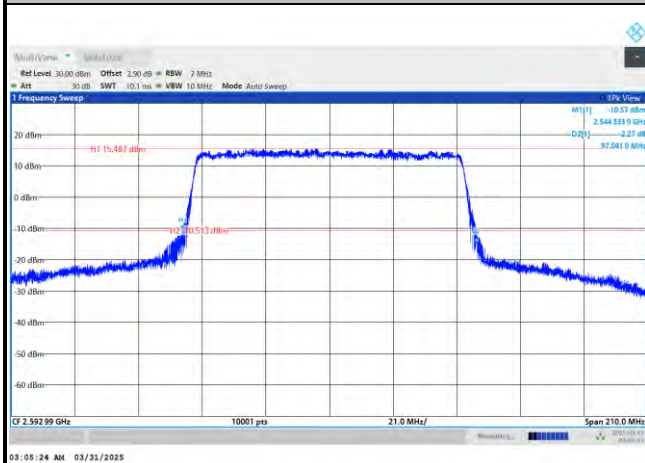
QPSK



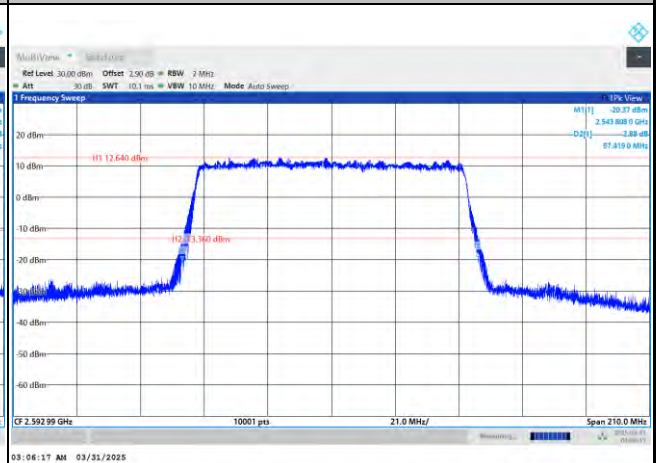
16QAM

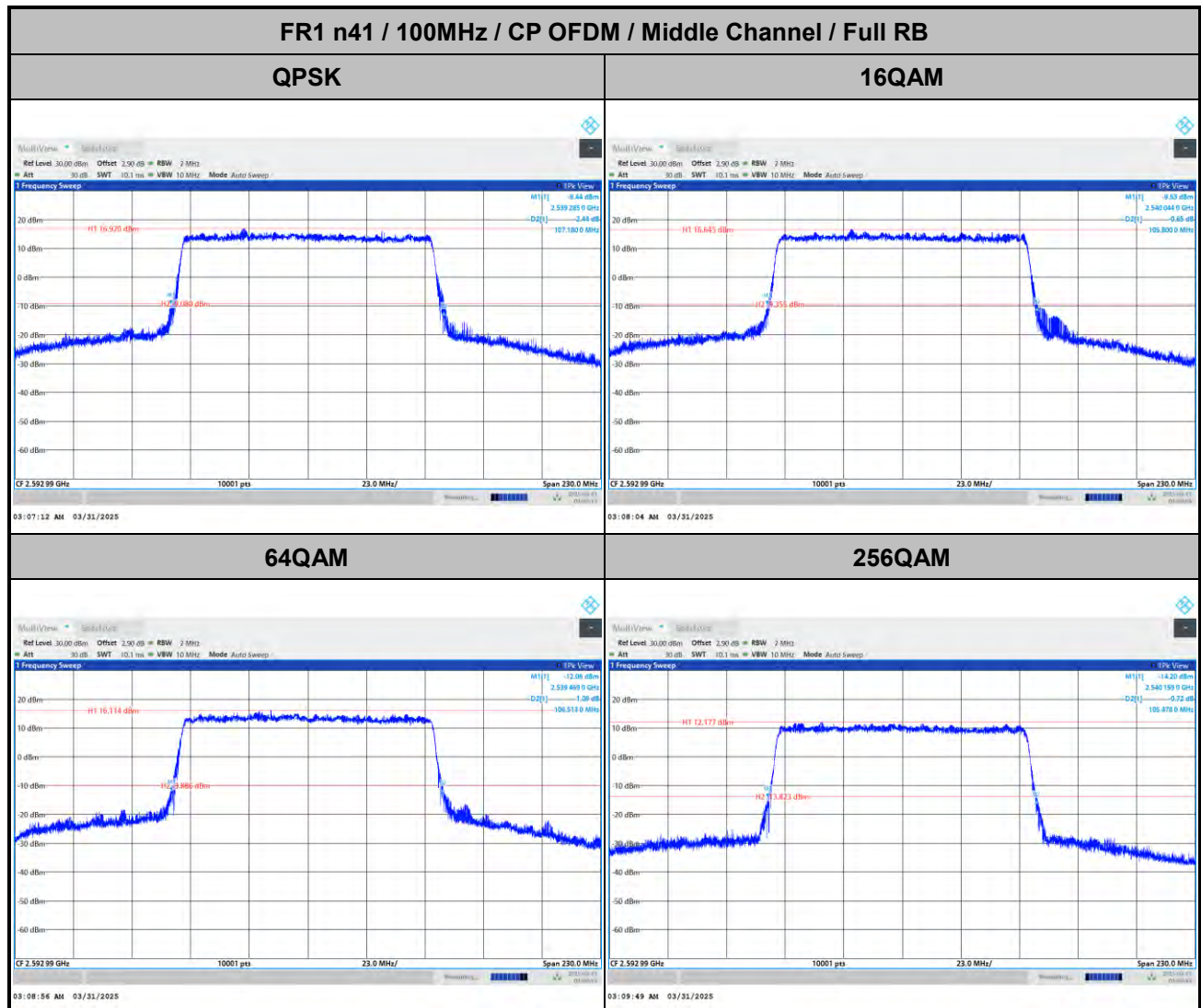


64QAM



256QAM





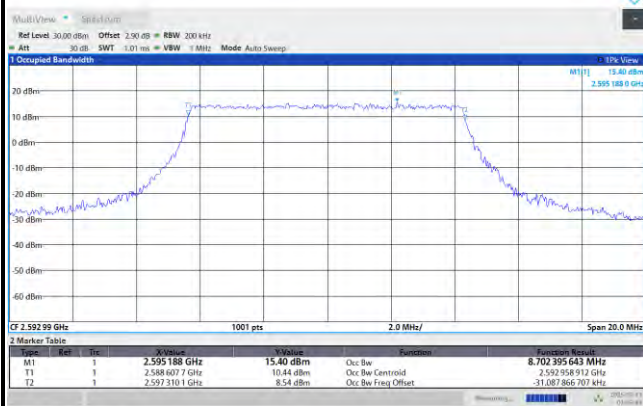
Occupied Bandwidth

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	8.68	13.67	13.64	18.22	18.15	-	-
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	8.68	8.65	13.65	13.67	18.21	18.34	-	-
BW	30MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	28.23	28.19	38.15	37.99	47.66	47.62	58.51	58.37
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	28.25	28.16	38.06	38.00	47.59	47.62	58.52	58.78
BW	70MHz		80MHz		90MHz		100MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	68.08	68.32	77.96	77.80	87.78	87.95	97.75	97.85
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	68.19	67.99	77.99	78.08	87.91	88.07	97.94	97.58

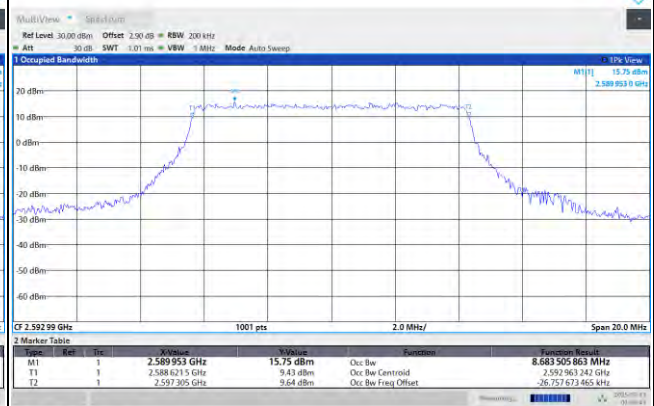


FR1 n41 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



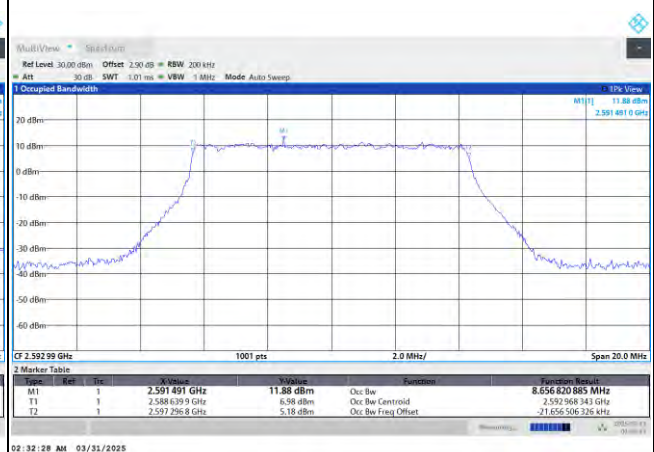
16QAM



64QAM



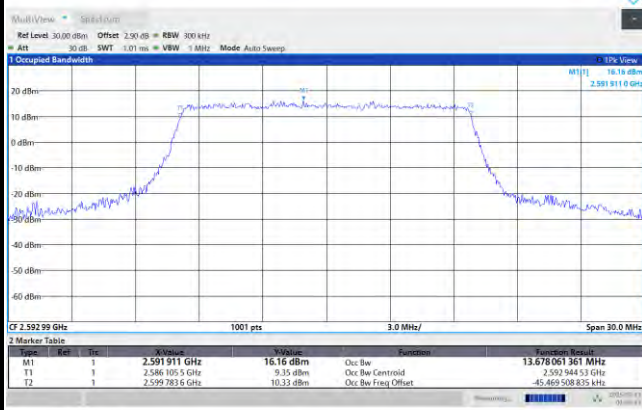
256QAM



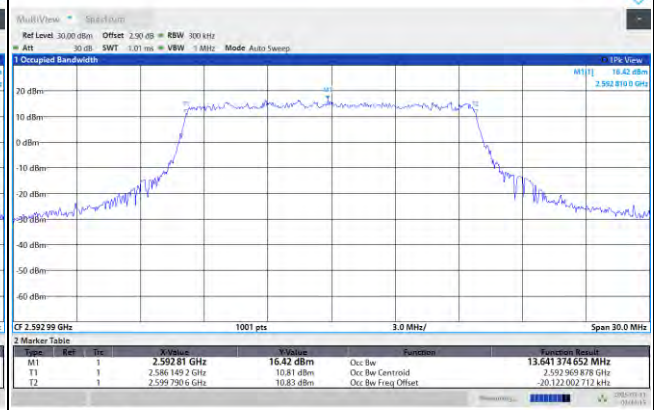


FR1 n41 / 15MHz / CP OFDM / Middle Channel / Full RB

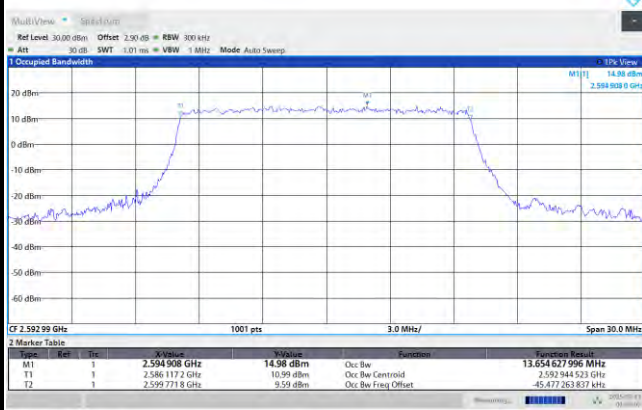
QPSK



16QAM



64QAM



256QAM

