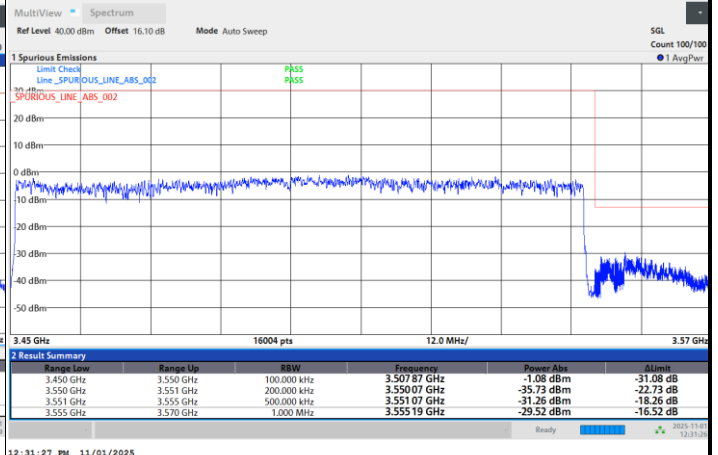
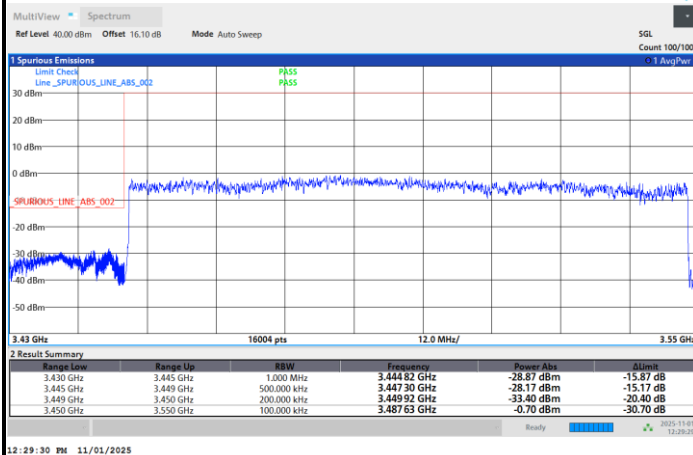




FR1 n77 / 100MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

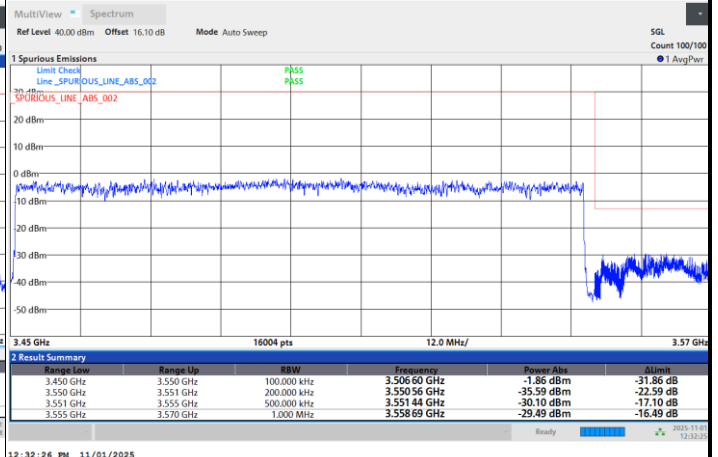
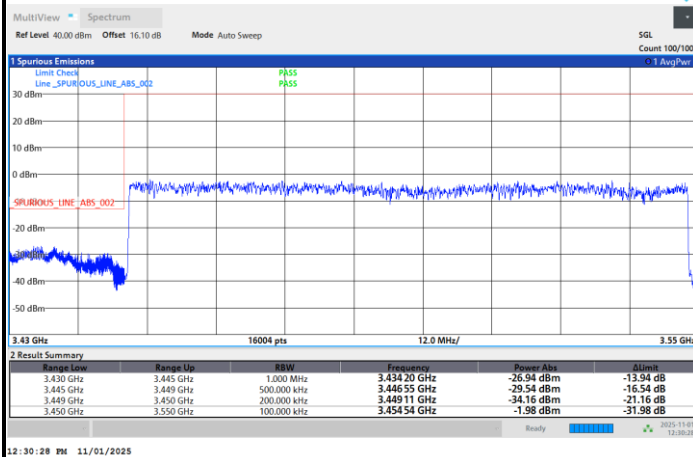
Highest Band Edge / Full RB



FR1 n77 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



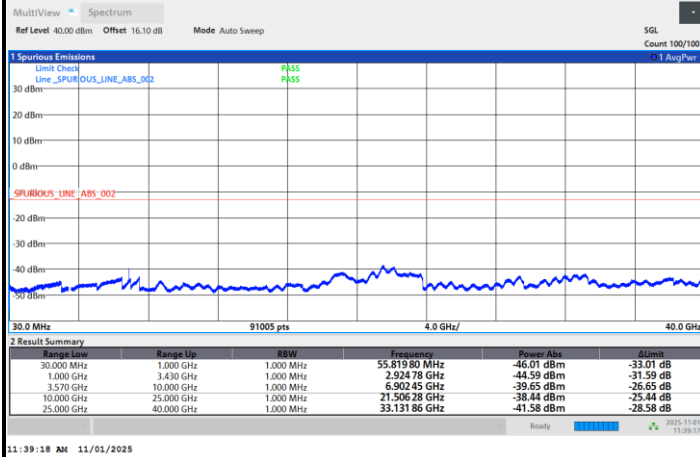


Conducted Spurious Emission

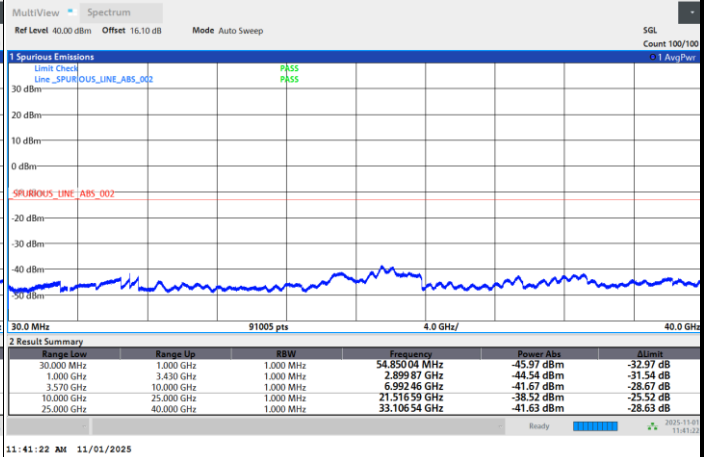
FR1 n77 / 10MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel

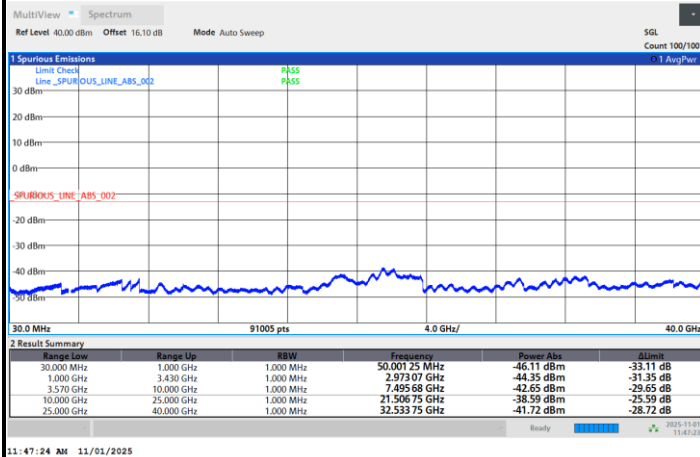


11:39:18 AM 11/01/2025



11:41:22 AM 11/01/2025

Highest Channel



11:47:24 AM 11/01/2025

Frequency Stability

Test Conditions		FR1 n77 (BPSK) / Middle Channel 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0015	5.2	Yes	PASS
40	Normal Voltage	0.0000	0.1	Yes	
30	Normal Voltage	0.0003	1	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0016	5.5	Yes	
0	Normal Voltage	0.0021	-7.2	Yes	
-10	Normal Voltage	0.0003	-0.9	Yes	
-20	Normal Voltage	0.0020	6.9	Yes	
-30	Normal Voltage	0.0014	4.9	Yes	
20	Maximum Voltage	0.0020	7	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0005	-1.9	Yes	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.05 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.
3. The frequency variation is sufficient to ensure that the occupied bandwidth of all operation channels stay within the operating frequency block or frequency block group.

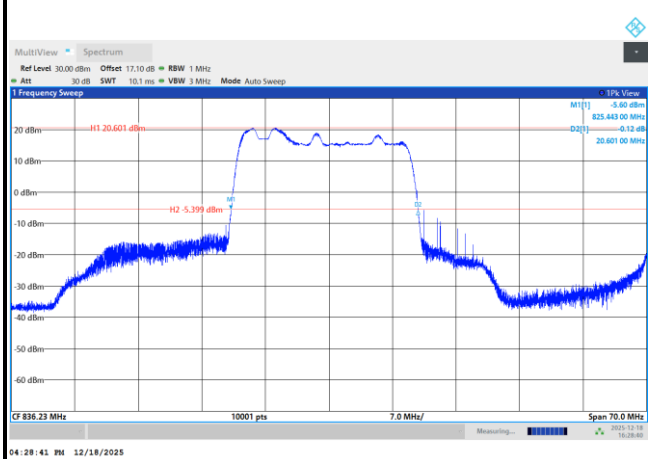
**FR1 n5B****<SISO Mode>****26dB Bandwidth**

Mode	FR1 n5 : 26dB BW(MHz) / DFT-S OFDM							
BW	5M15M		10M10M		15M5M			
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK		
Middle CH	20.60	20.66	22.12	23.28	20.61	20.65		
Mod.	16QAM		16QAM		16QAM			
Middle CH	22.05		29.38		21.21			

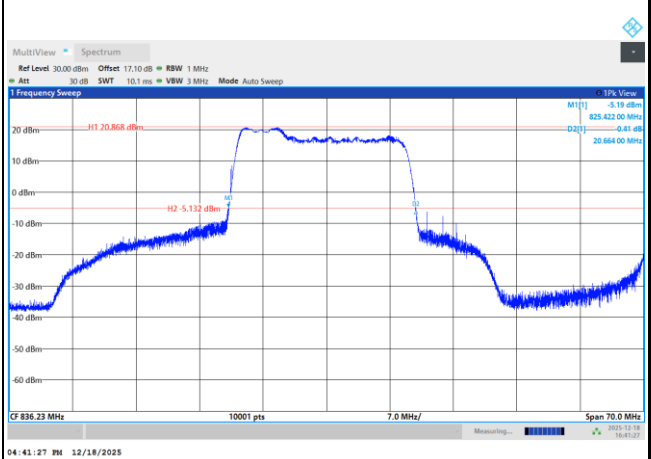


FR1 n5 / 5M15M / DFT-S OFDM / Middle Channel / Full RB

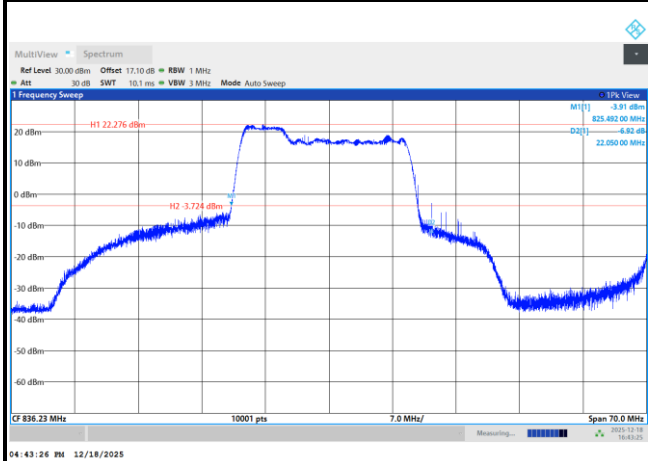
PI/2 BPSK



QPSK



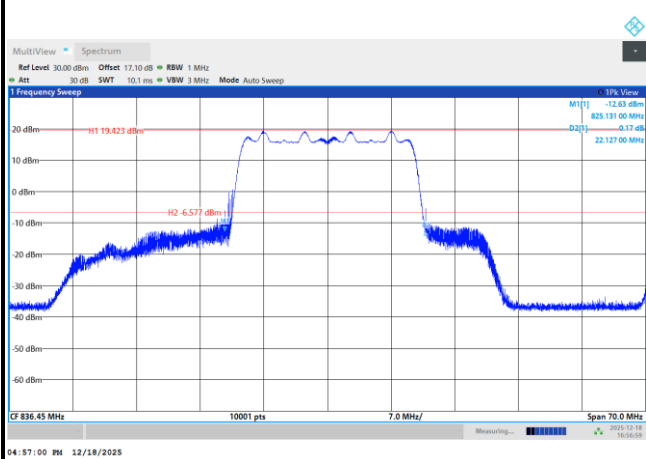
16QAM



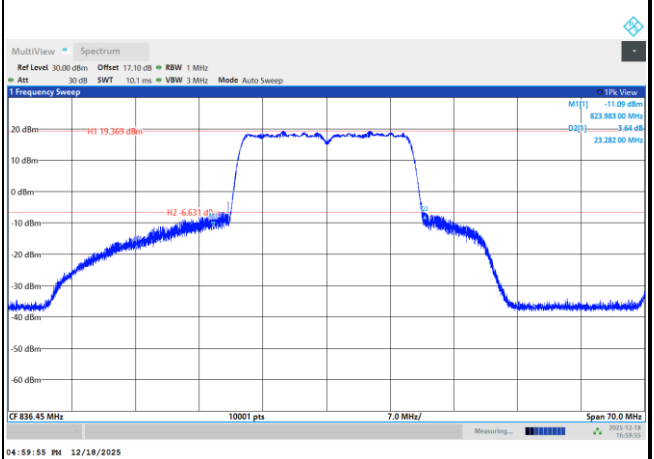


FR1 n5 / 10M10M / DFT-S OFDM / Middle Channel / Full RB

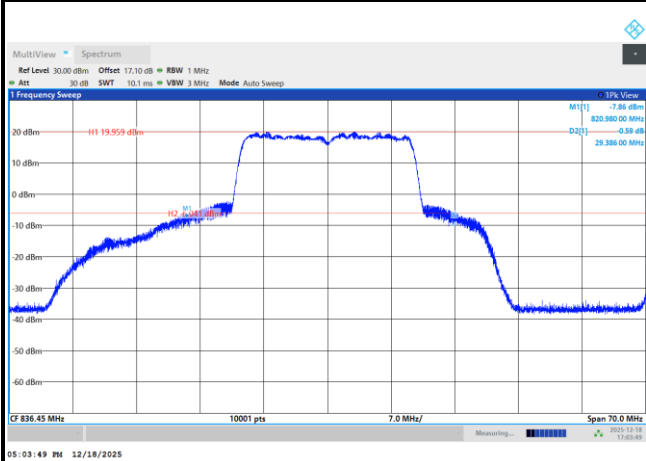
PI/2 BPSK



QPSK



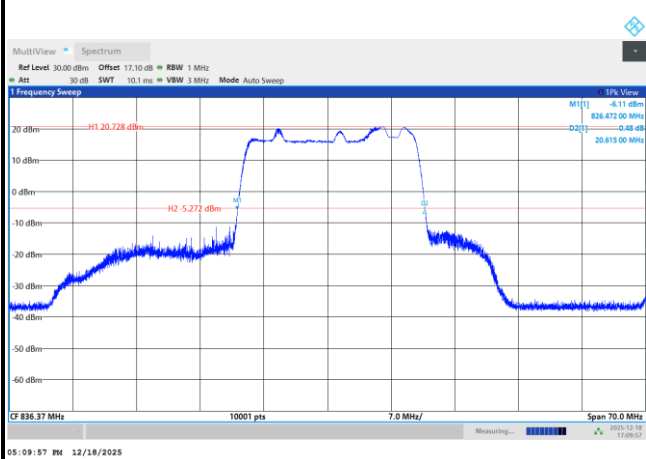
16QAM



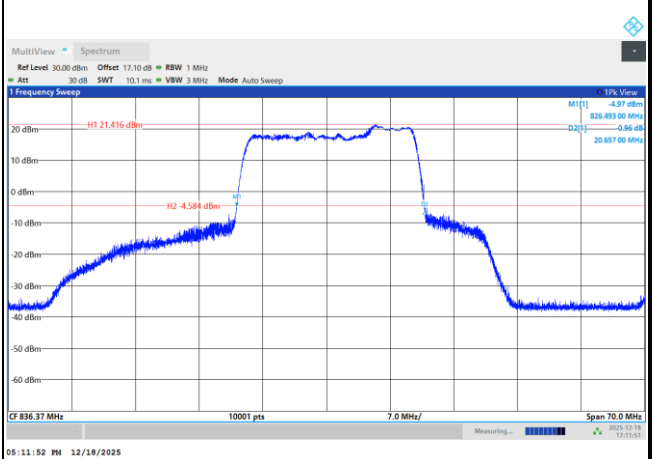


FR1 n5 / 15M5M / DFT-S OFDM / Middle Channel / Full RB

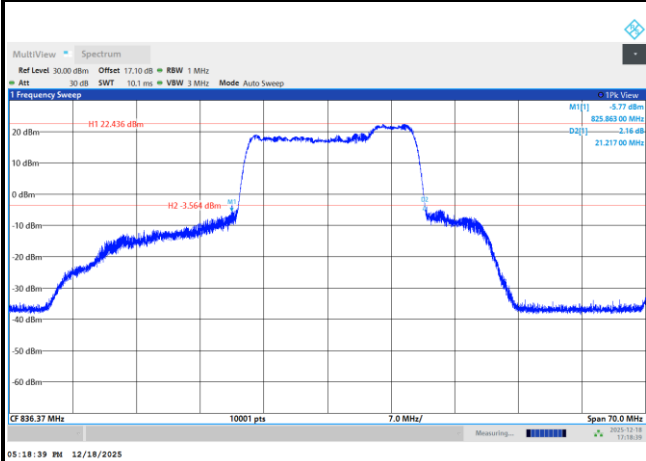
PI/2 BPSK



QPSK



16QAM



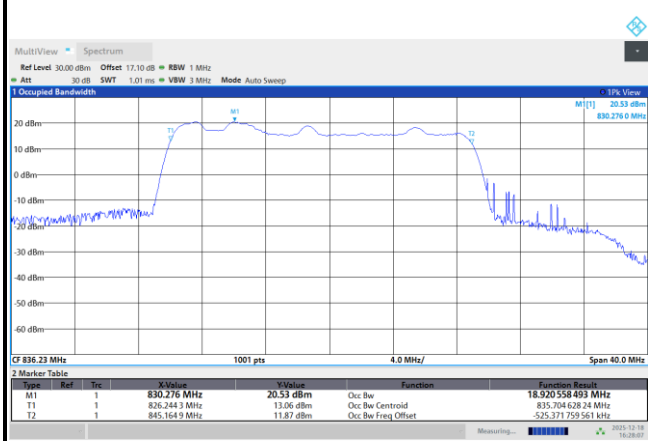
**Occupied Bandwidth**

Mode	FR1 n5 : 99%OBW(MHz) / DFT-S OFDM							
BW	5M15M		10M10M		15M5M		NA	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK		
Middle CH	18.92	18.86	19.17	19.06	18.91	18.92		
Mod.	16QAM		16QAM		16QAM			
Middle CH	18.76		19.17		18.81			



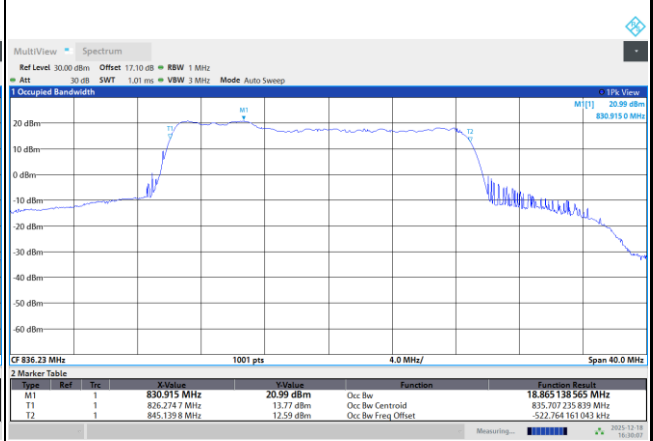
FR1 n5 / 5M15M / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



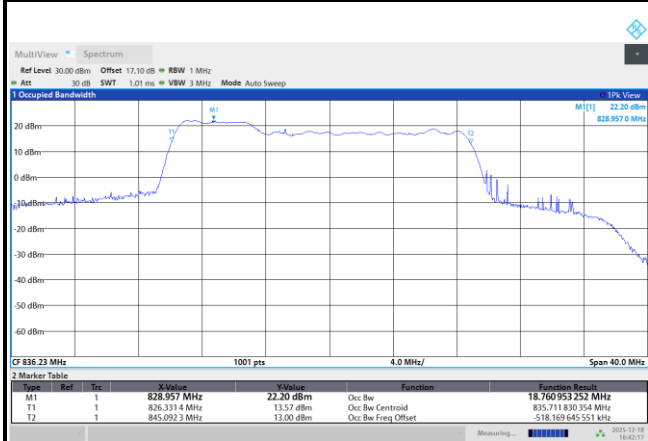
04:28:08 PM 12/18/2025

QPSK



04:30:08 PM 12/18/2025

16QAM

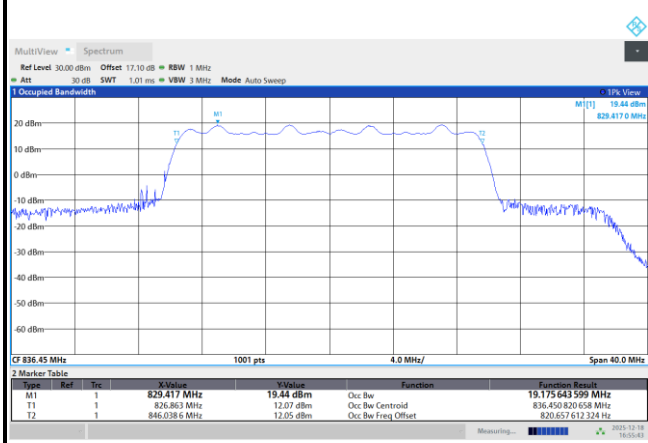


04:42:18 PM 12/18/2025

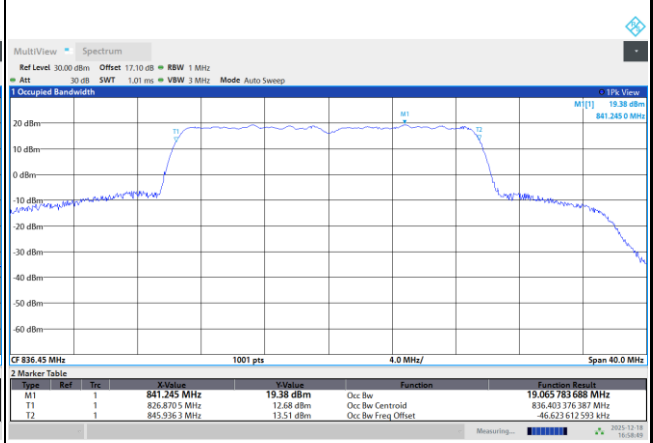


FR1 n5 / 10M10M / DFT-S OFDM / Middle Channel / Full RB

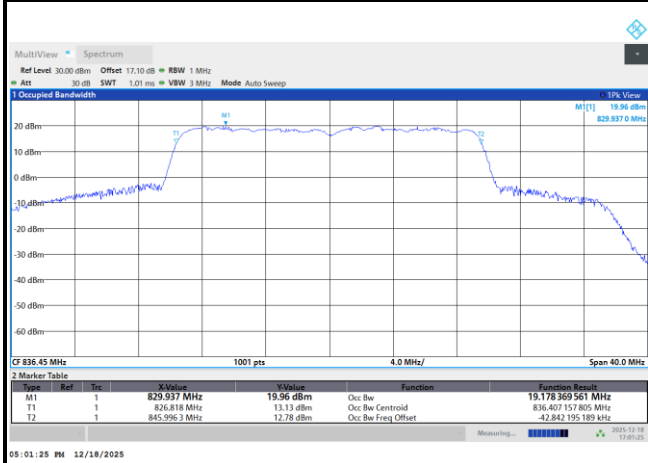
PI/2 BPSK



QPSK



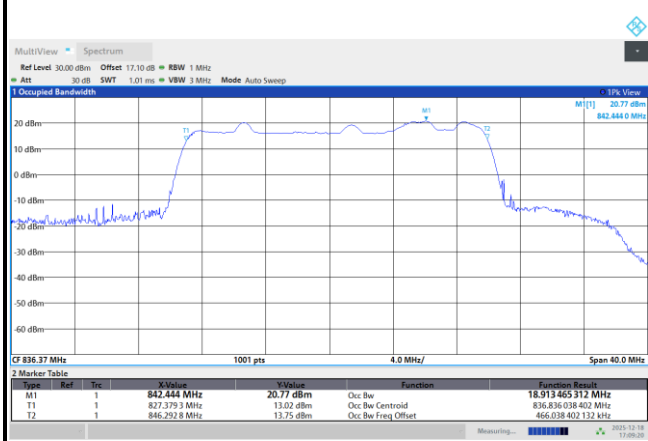
16QAM



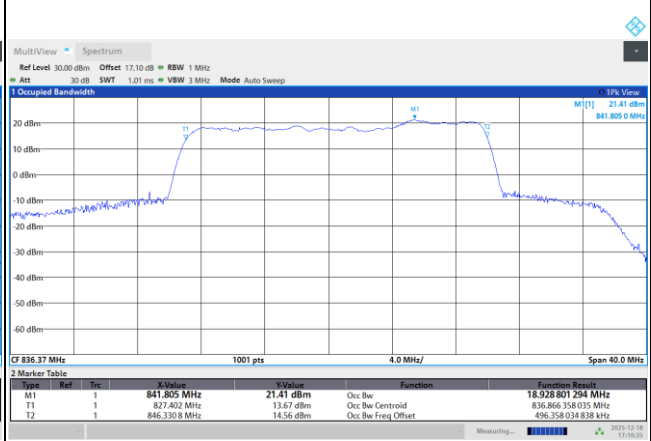


FR1 n5 / 15M5M / DFT-S OFDM / Middle Channel / Full RB

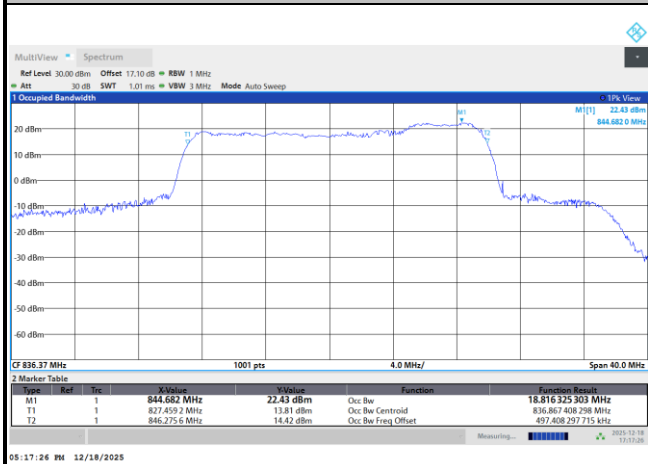
PI/2 BPSK



QPSK



16QAM



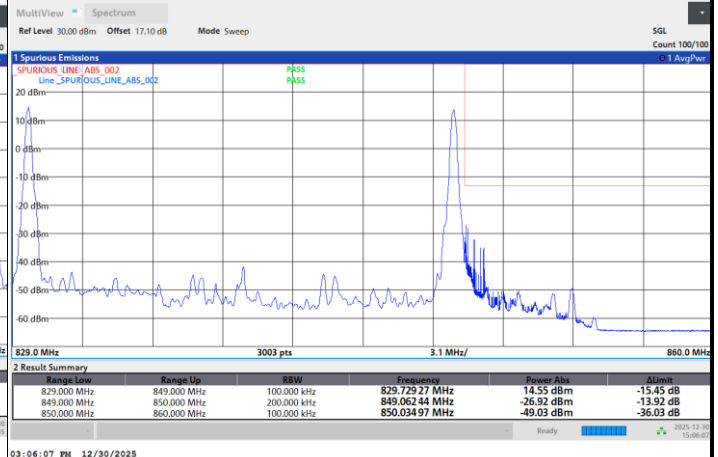
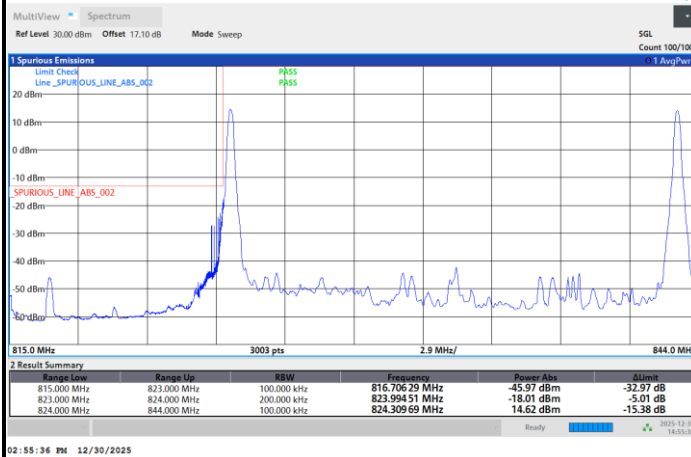


Conducted Band Edge

FR1 n5 / 5M15M / DFT-S OFDM / PI/2 BPSK

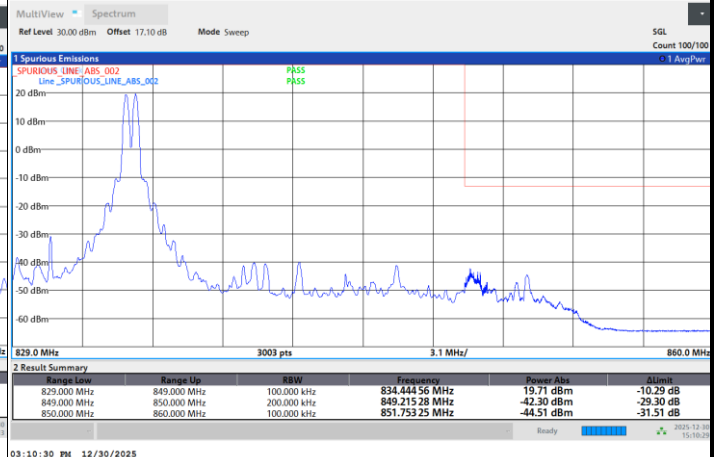
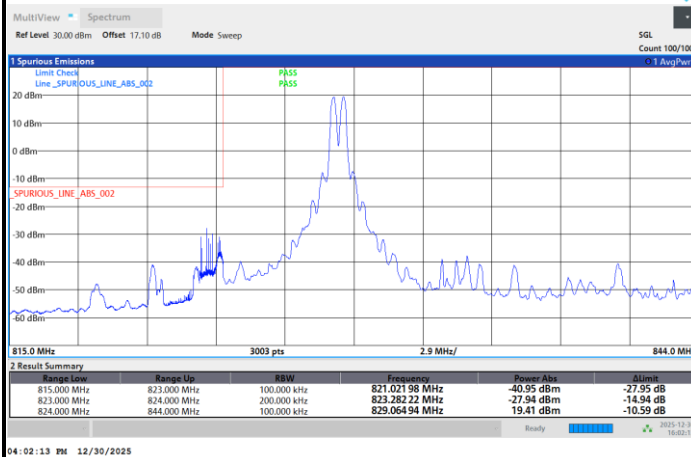
Lowest Band Edge / 1RB0+1RBMAX

Highest Band Edge / 1RB0+1RBMAX



Lowest Band Edge / 1RBMAX+1RB0

Highest Band Edge / 1RBMAX+1RB0

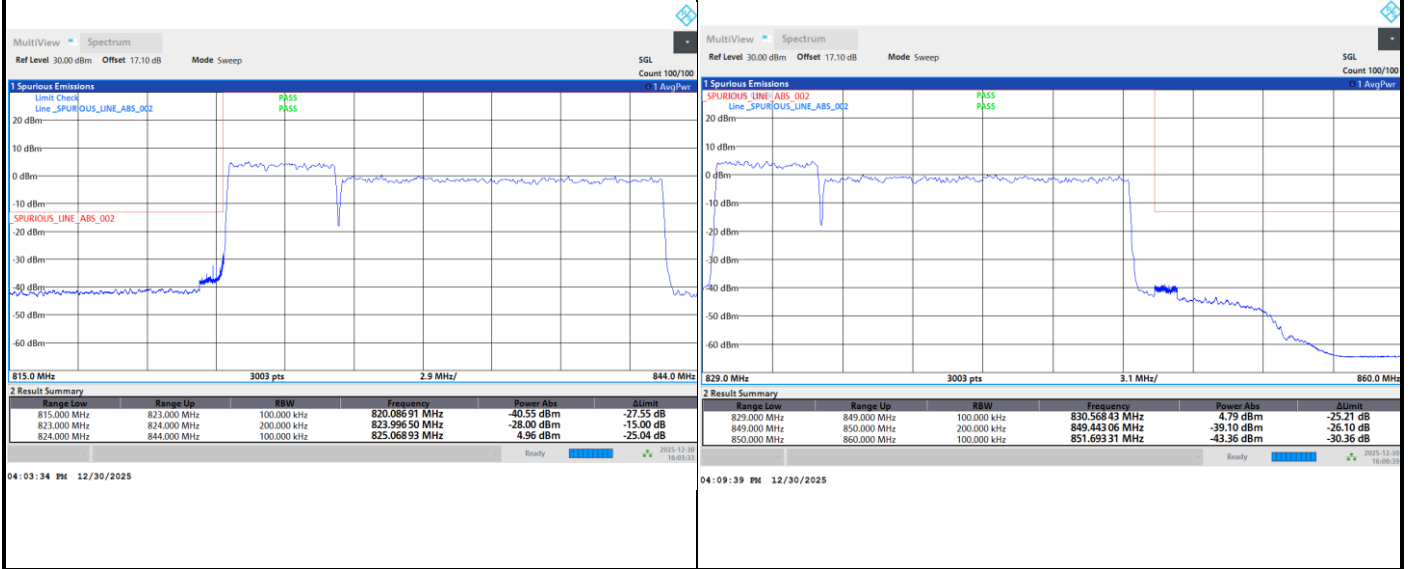




FR1 n5 / 5M15M / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

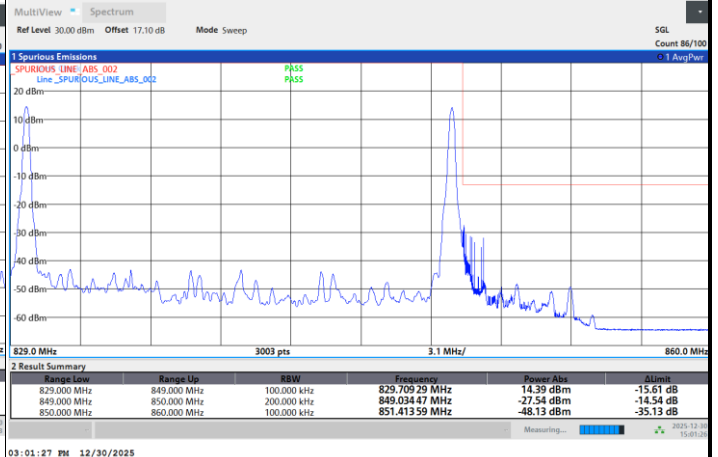
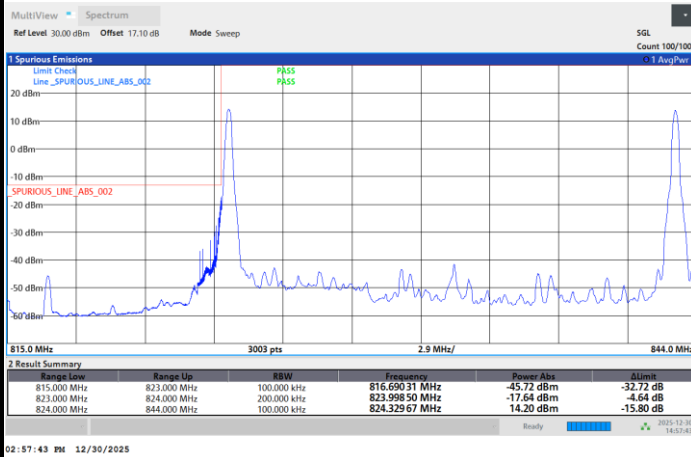




FR1 n5 / 5M15M / DFT-S OFDM / QPSK

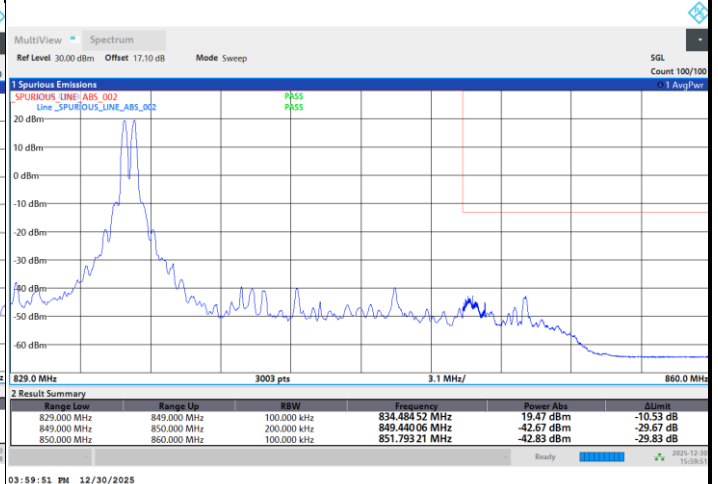
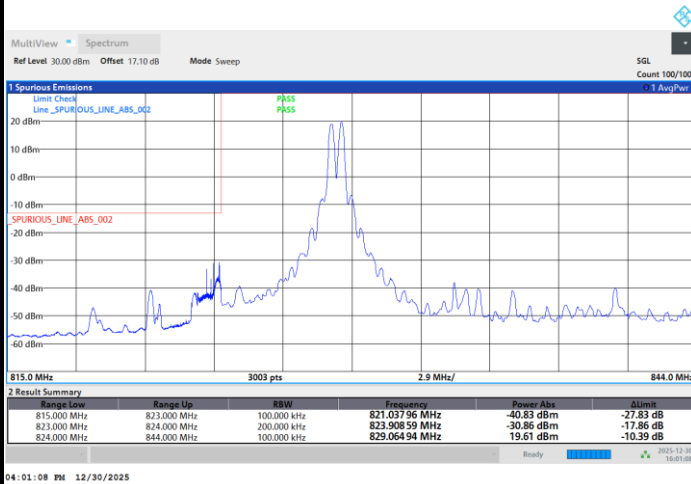
Lowest Band Edge / 1RB0+1RBMAX

Highest Band Edge / 1RB0+1RBMAX



Lowest Band Edge / 1RBMAX+1RB0

Highest Band Edge / 1RBMAX+1RB0

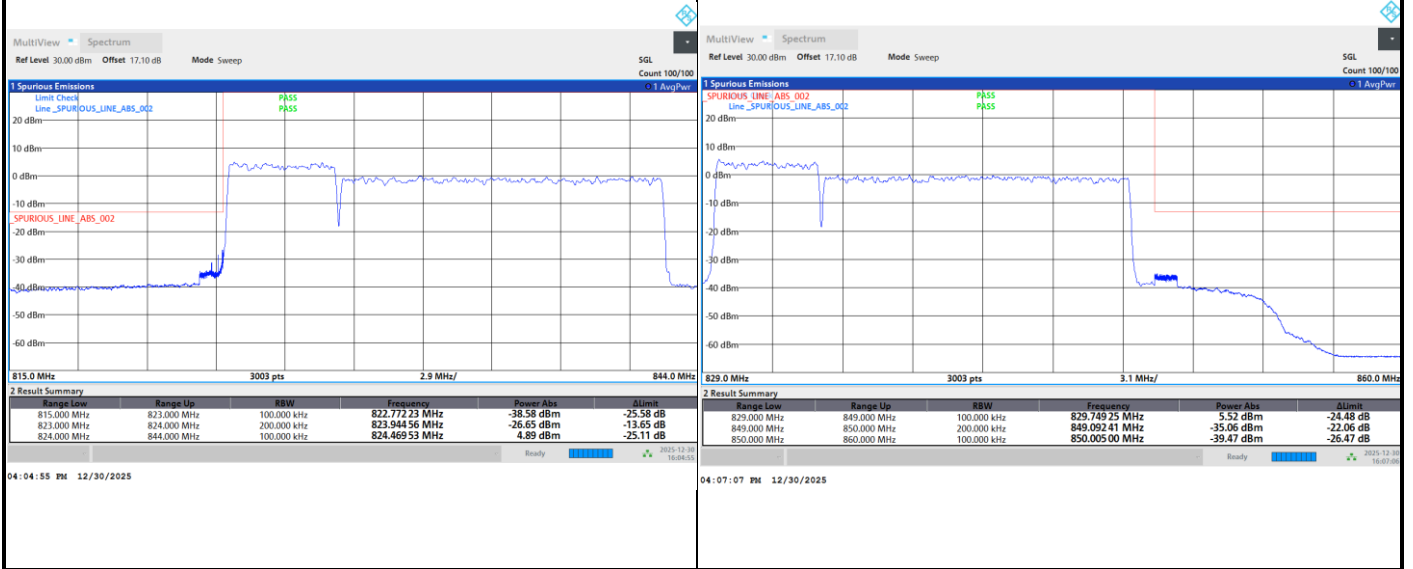




FR1 n5 / 5M15M / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

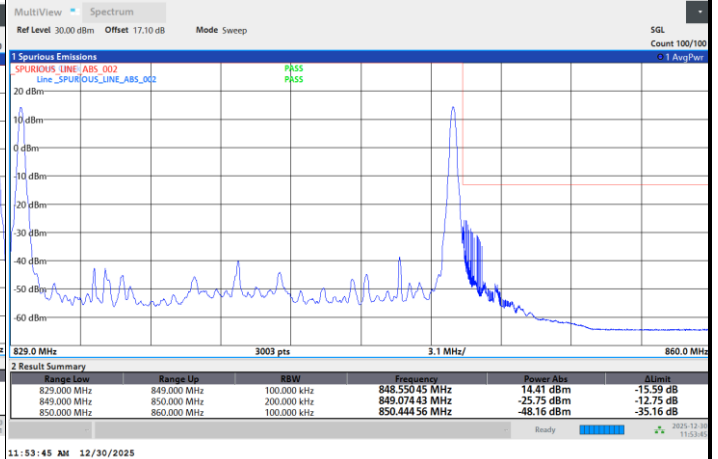
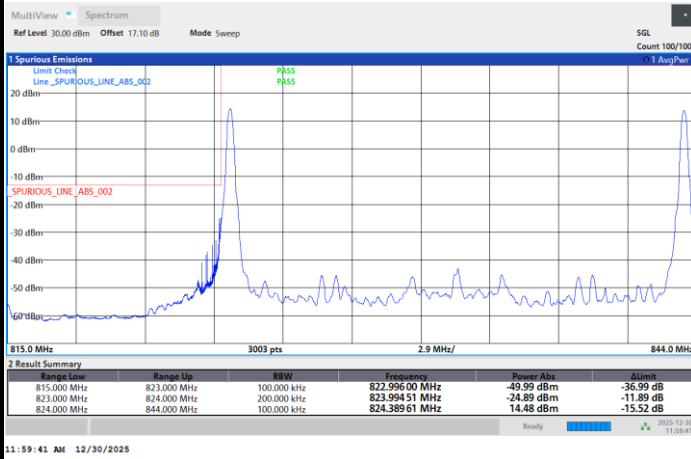




FR1 n5 / 10M10M / DFT-S OFDM / PI/2 BPSK

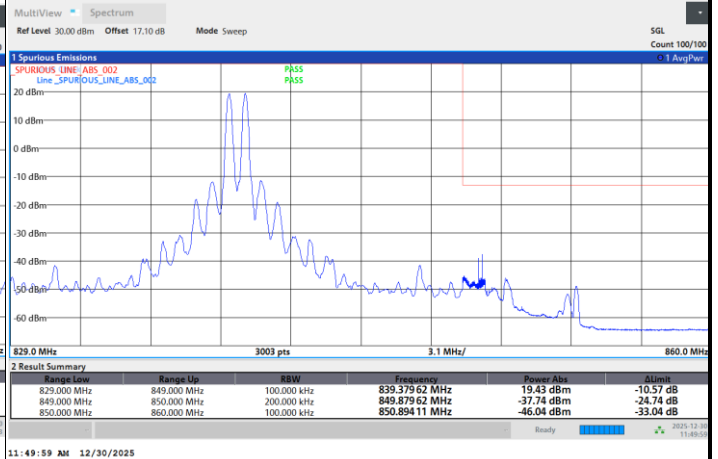
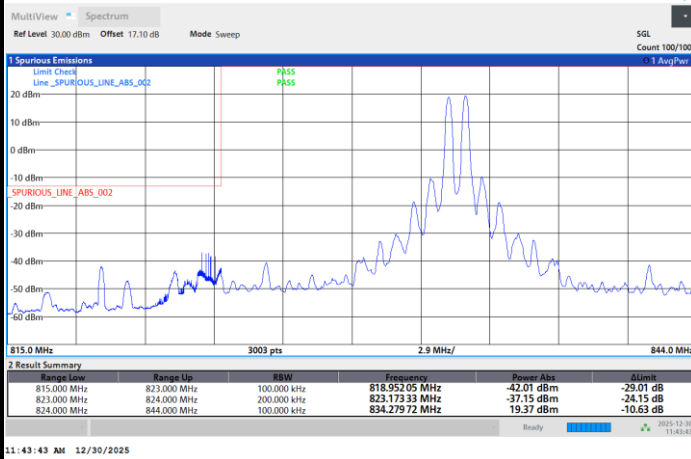
Lowest Band Edge / 1RB0+1RBMAX

Highest Band Edge / 1RB0+1RBMAX



Lowest Band Edge / 1RBMAX+1RB0

Highest Band Edge / 1RBMAX+1RB0

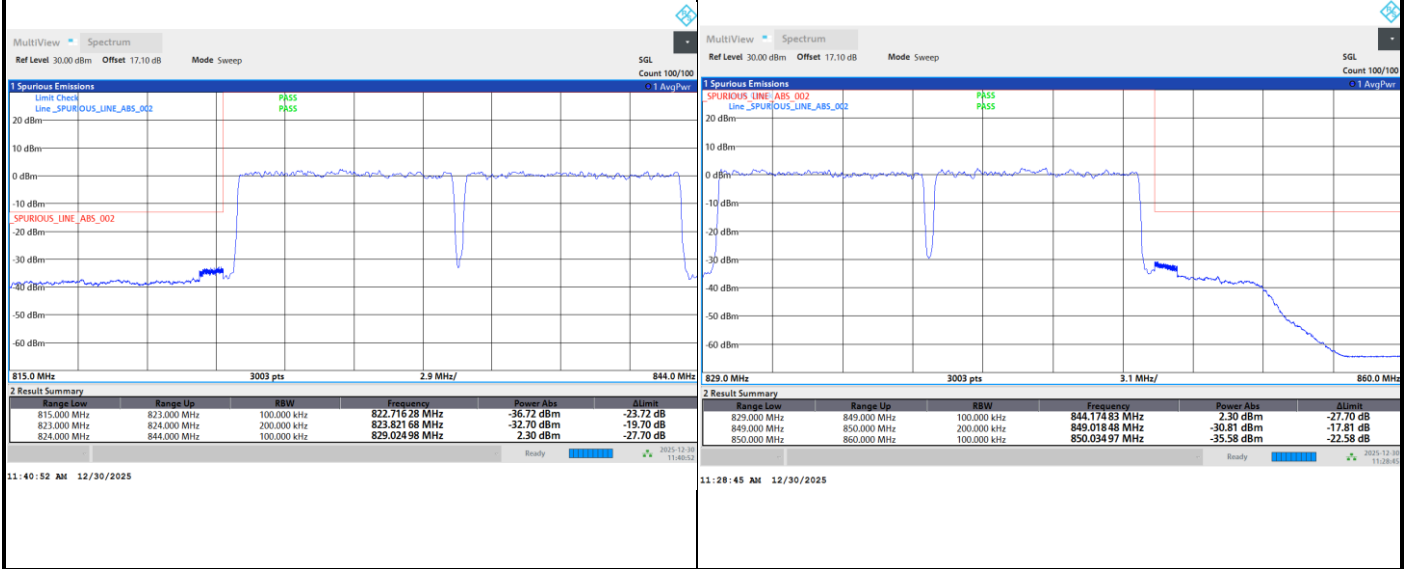




FR1 n5 / 10M10M / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

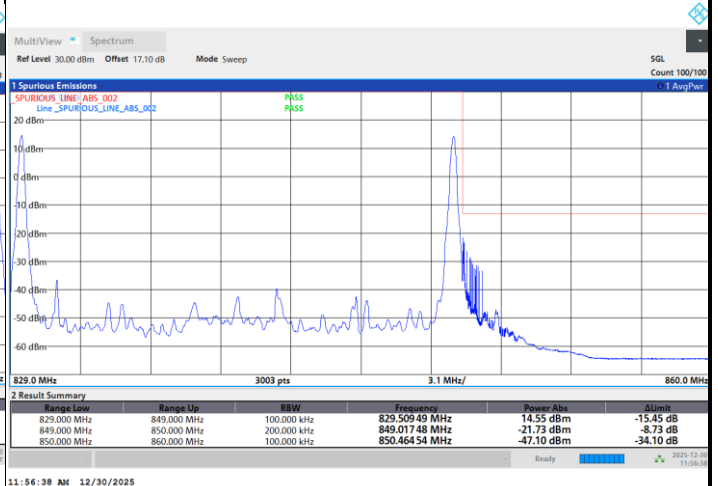
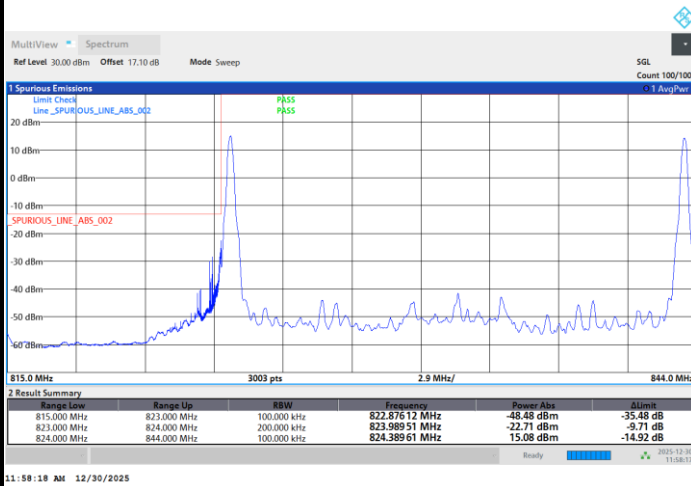




FR1 n5 / 10M10M / DFT-S OFDM / QPSK

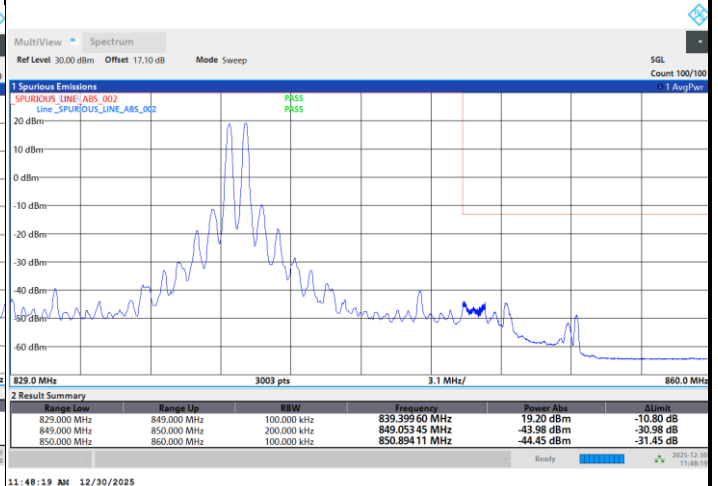
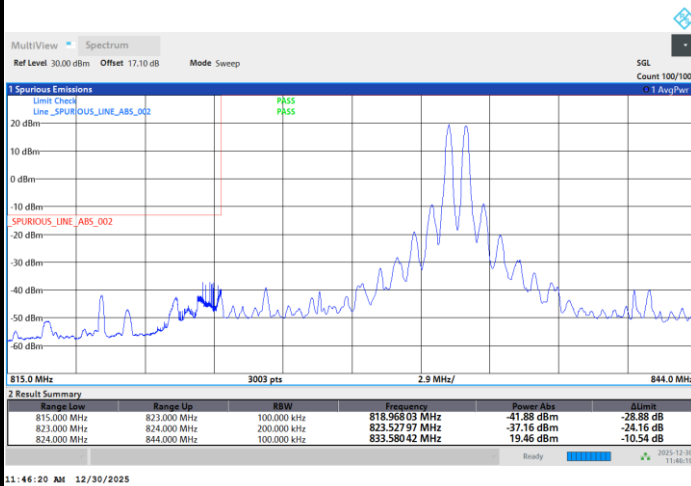
Lowest Band Edge / 1RB0+1RBMAX

Highest Band Edge / 1RB0+1RBMAX



Lowest Band Edge / 1RBMAX+1RB0

Highest Band Edge / 1RBMAX+1RB0

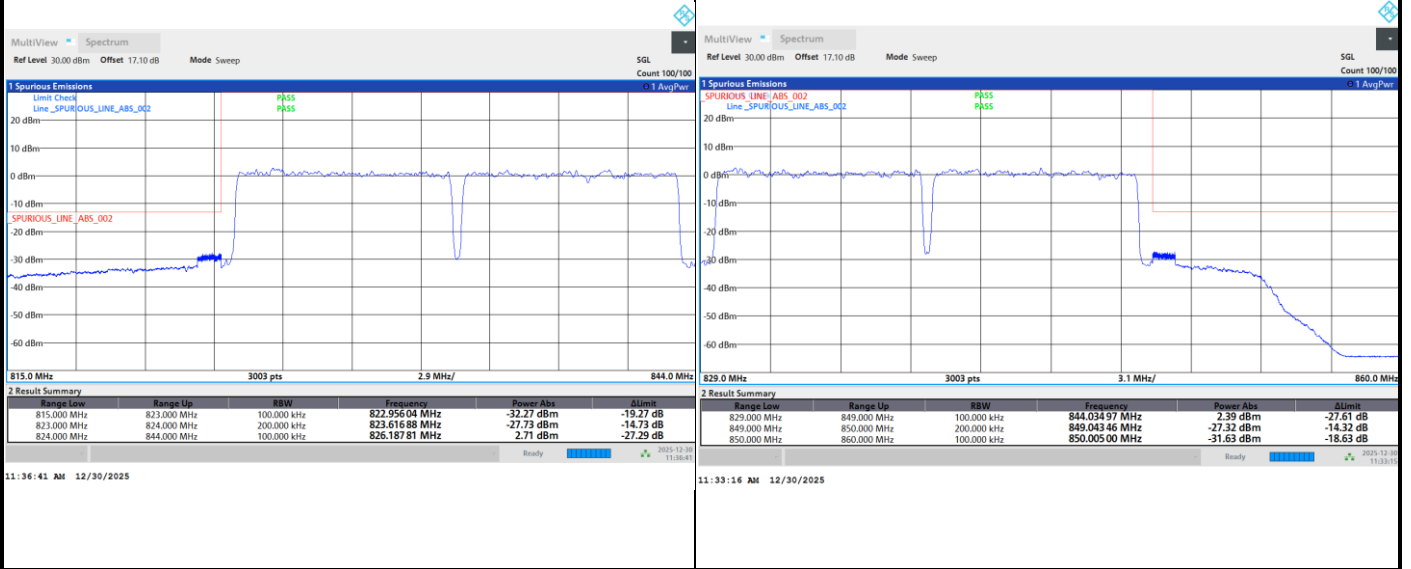




FR1 n5 / 10M10M / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

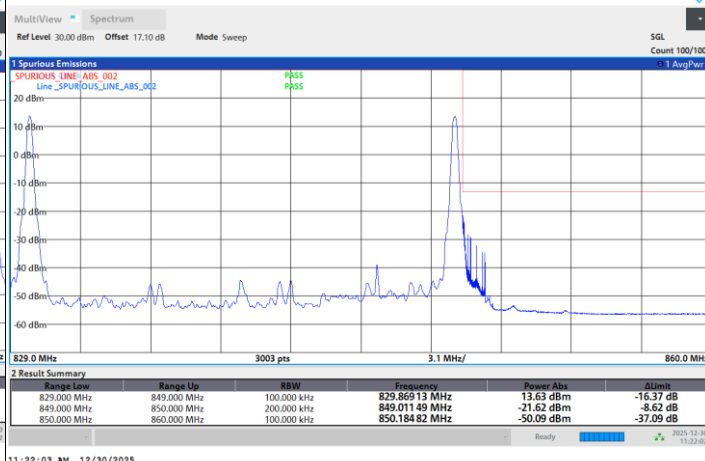
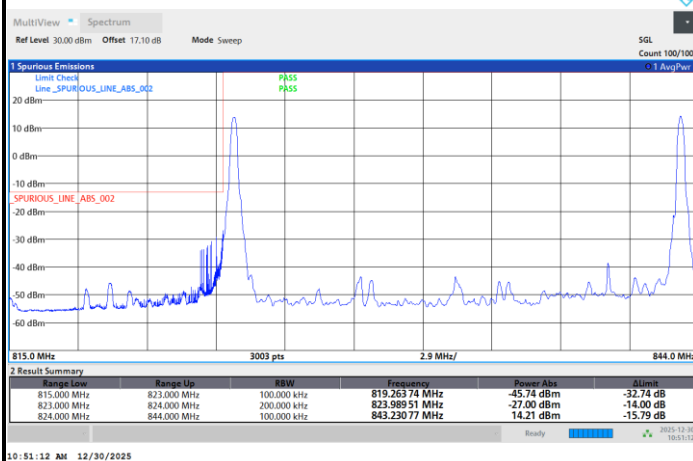




FR1 n5 / 15M5M / DFT-S OFDM / PI/2 BPSK

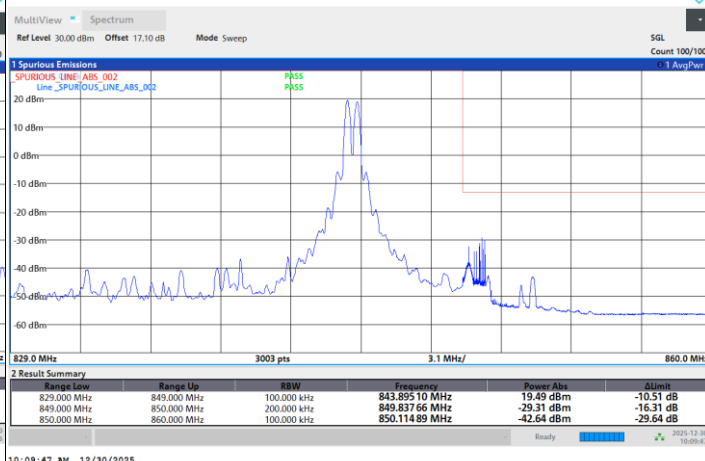
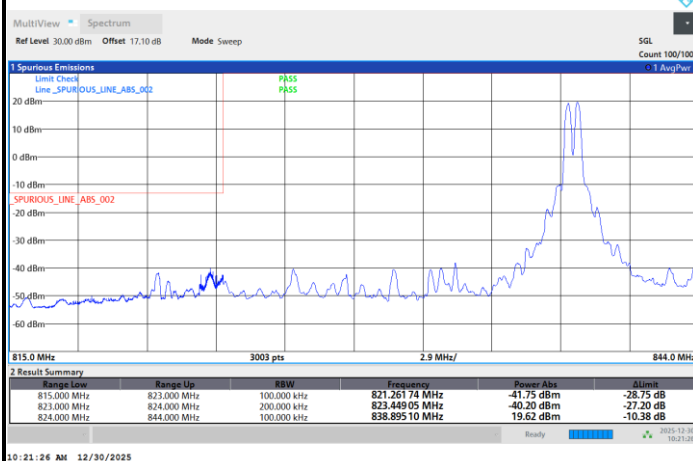
Lowest Band Edge / 1RB0+1RBMAX

Highest Band Edge / 1RB0+1RBMAX



Lowest Band Edge / 1RBMAX+1RB0

Highest Band Edge / 1RBMAX+1RB0

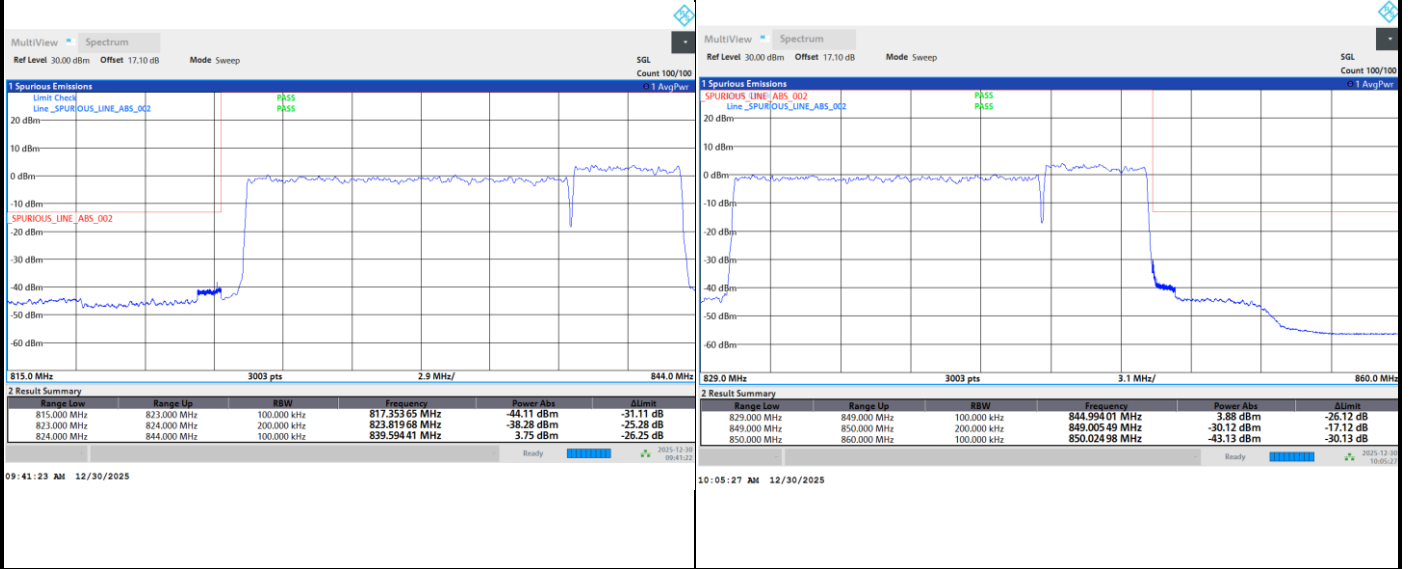




FR1 n5 / 15M5M / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

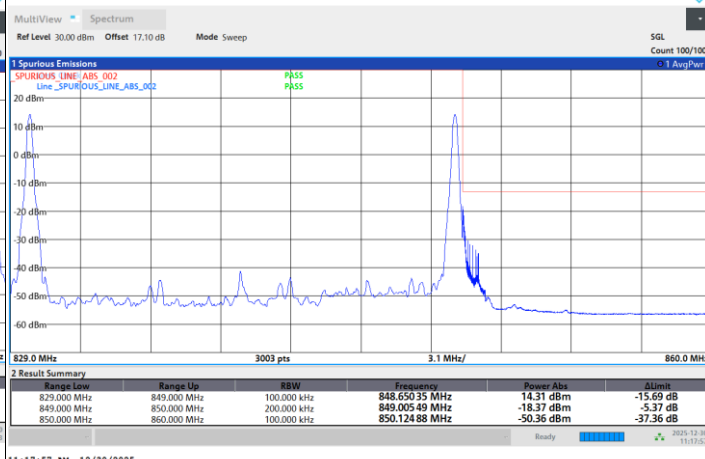
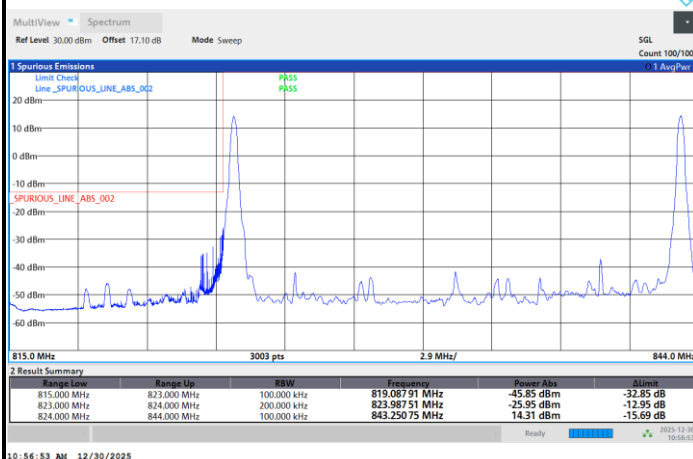




FR1 n5 / 15M5M / DFT-S OFDM / QPSK

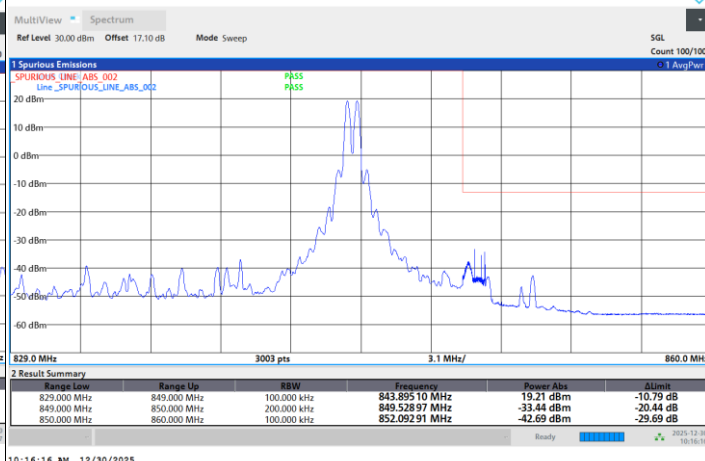
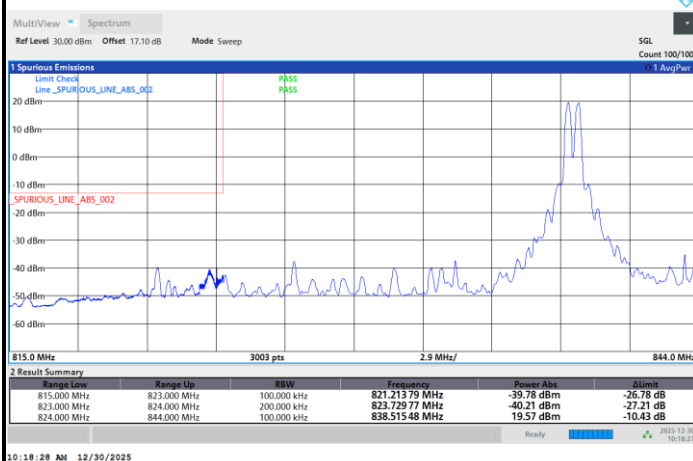
Lowest Band Edge / 1RB0+1RBMAX

Highest Band Edge / 1RB0+1RBMAX



Lowest Band Edge / 1RBMAX+1RB0

Highest Band Edge / 1RBMAX+1RB0

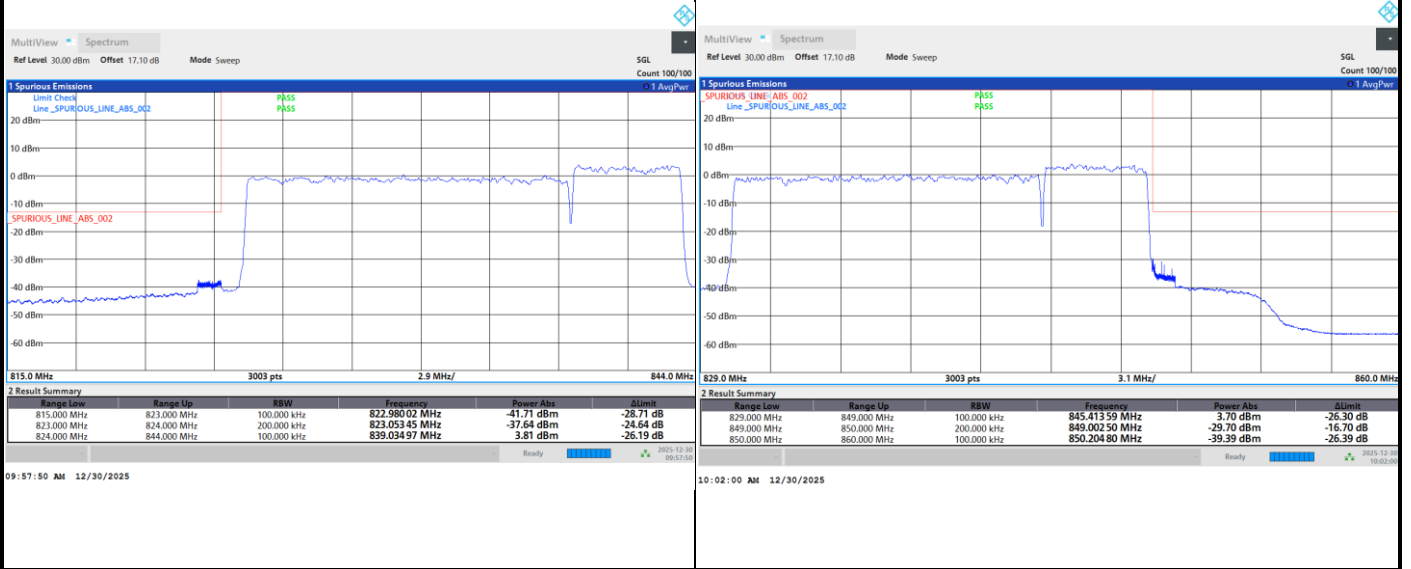




FR1 n5 / 15M5M / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

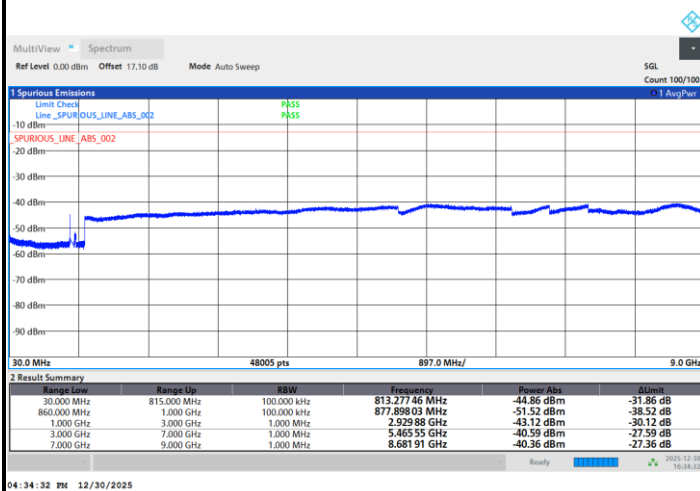




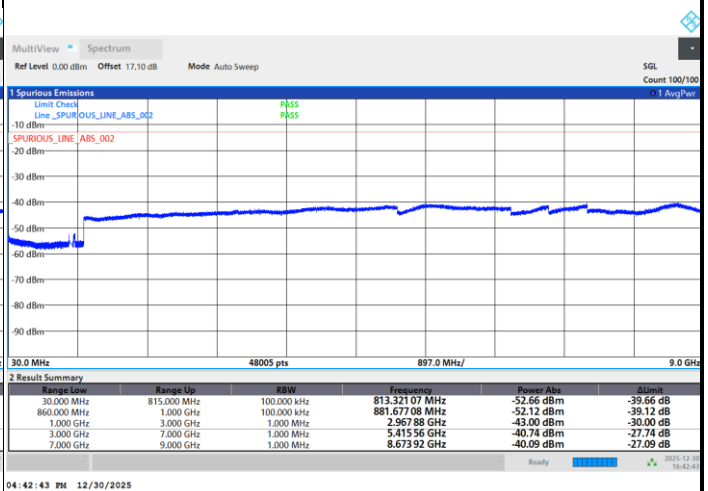
Conducted Spurious Emission

FR1 n5 / 5M15M / DFT-S OFDM / PI/2 BPSK 1RBmax_1RB0

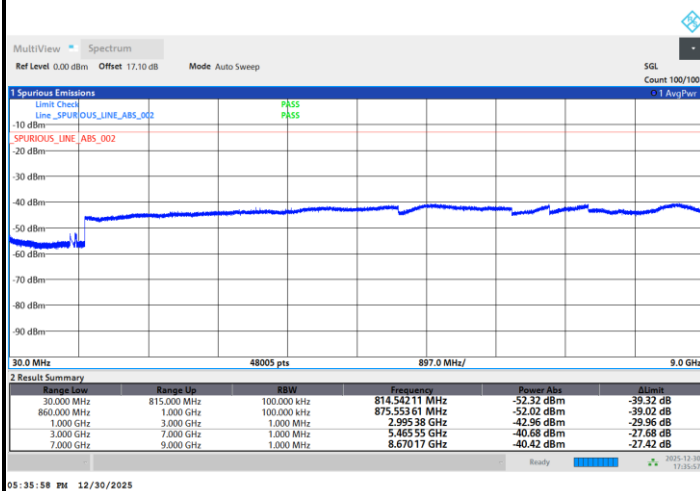
Lowest Channel



Middle Channel



Highest Channel





FR1 n41C

<SISO Mode>

26dB Bandwidth

Mode	FR1 n41C : 26dB BW(MHz) / DFT-S OFDM							
BW	10M100M		15M100M		15M90M		20M100M	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	110.52	109.00	113.25	113.41	103.48	103.77	118.74	119.63
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	108.97		113.25		103.53		118.82	
BW	20M90M		30M100M		30M90M		30M80M	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	109.85	110.87	127.97	128.00	118.26	118.34	108.60	108.67
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	109.10		128.06		118.36		108.75	
BW	40M100M		40M90M		40M80M		50M100M	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	136.80	136.89	127.31	127.25	117.66	117.69	147.11	147.11
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	136.89		127.31		117.69		147.11	
BW	50M90M		50M80M		50M60M		60M100M	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	137.54	137.67	127.97	127.91	108.47	108.55	159.04	159.28
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	137.48		127.83		108.55		159.18	



Mode	FR1 n41C : 26dB BW(MHz) / DFT-S OFDM							
BW	60M90M		60M80M		60M60M		60M50M	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	149.49	149.65	139.84	140.05	120.50	120.63	108.57	108.60
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	149.62		140.08		120.58		108.60	
BW	80M100M		80M90M		80M80M		80M60M	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	178.97	178.89	169.27	169.38	159.84	159.63	139.99	140.12
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	178.85		169.27		159.63		139.96	
BW	80M50M		80M40M		80M30M		90M100M	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	128.06	127.97	117.72	117.72	108.70	108.65	188.68	188.76
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	127.97		117.66		108.80		188.55	
BW	90M90M		90M80M		90M60M		90M50M	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	178.97	179.04	169.34	169.34	149.58	149.75	137.60	137.64
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	179.04		169.38		149.58		137.54	

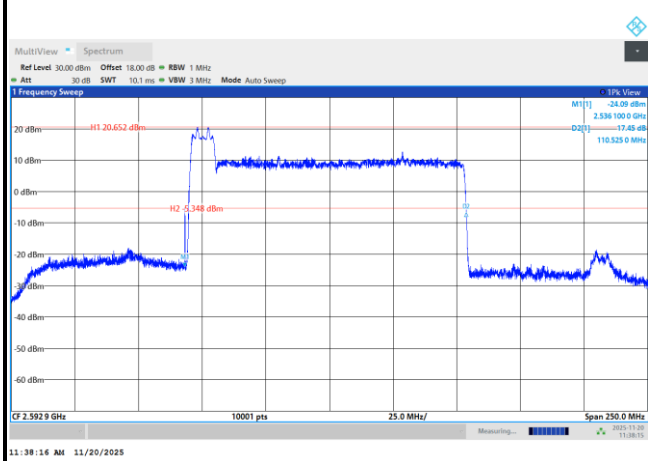


Mode	FR1 n41C : 26dB BW(MHz) / DFT-S OFDM							
BW	90M40M		90M30M		90M20M		100M90M	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	127.31	127.33	118.26	118.34	109.12	109.17	188.47	188.39
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	127.36		118.39		109.07		188.43	
BW	100M80M		100M60M		100M50M		100M40M	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	178.77	178.77	159.14	159.32	147.18	147.21	136.83	136.92
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	178.85		159.21		147.18		137.08	
BW	100M30M		100M20M		100M15M		100M10M	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	128.12	128.06	118.96	120.79	113.33	113.33	109.10	110.10
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	128.09		118.85		113.25		108.97	

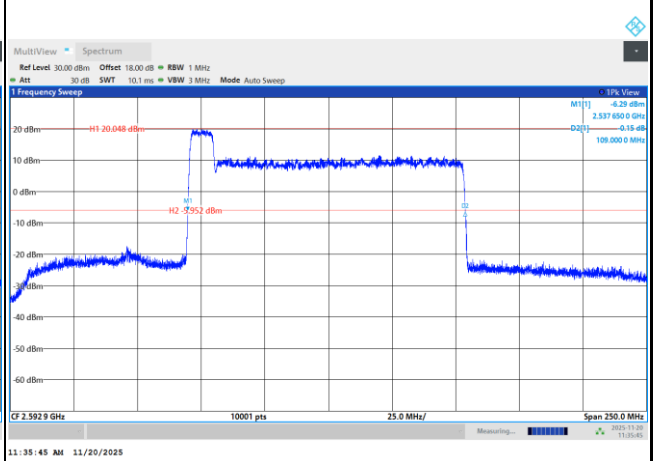


FR1 n41C / 10M100M / DFT-S OFDM / Middle Channel / Full RB

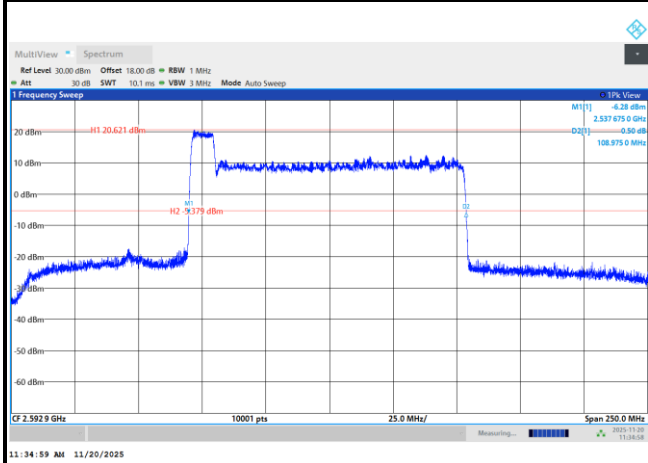
PI/2 BPSK



QPSK



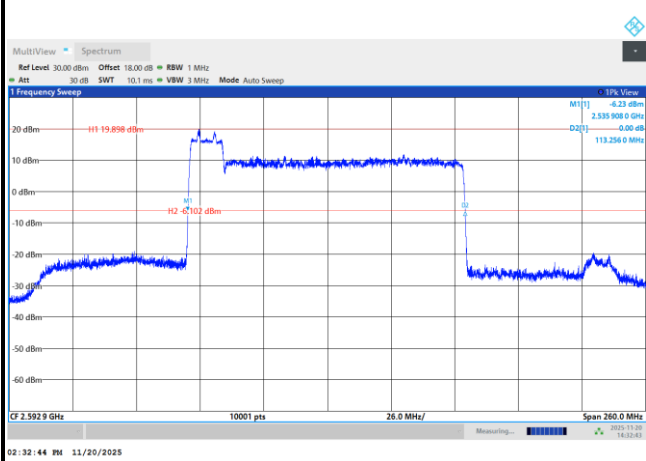
16QAM



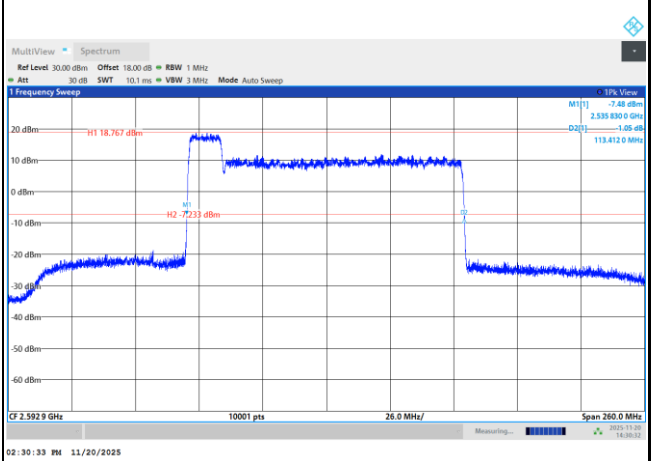


FR1 n41C / 15M100M / DFT-S OFDM / Middle Channel / Full RB

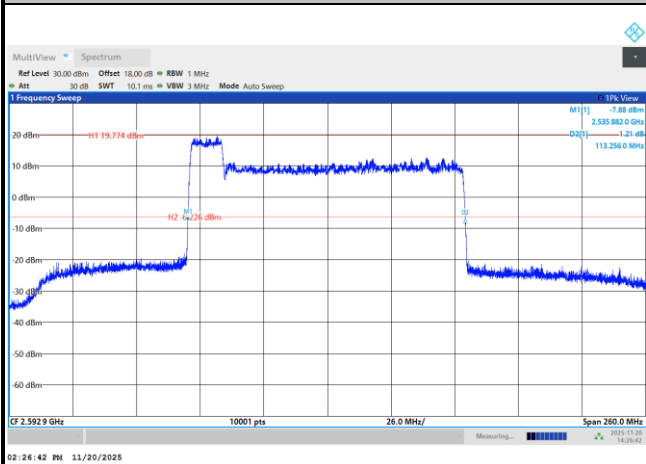
QPSK



QPSK



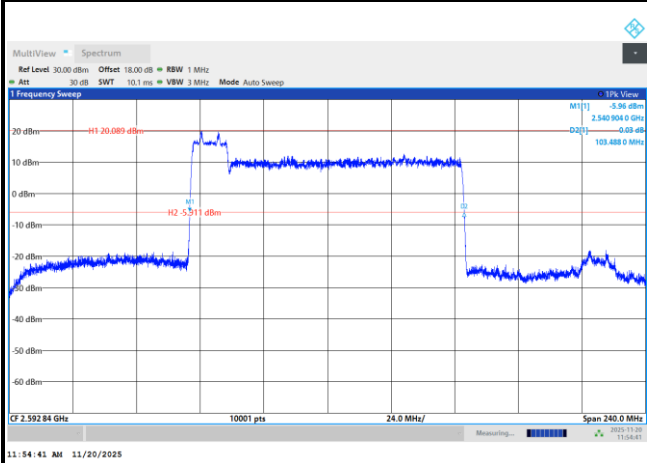
16QAM



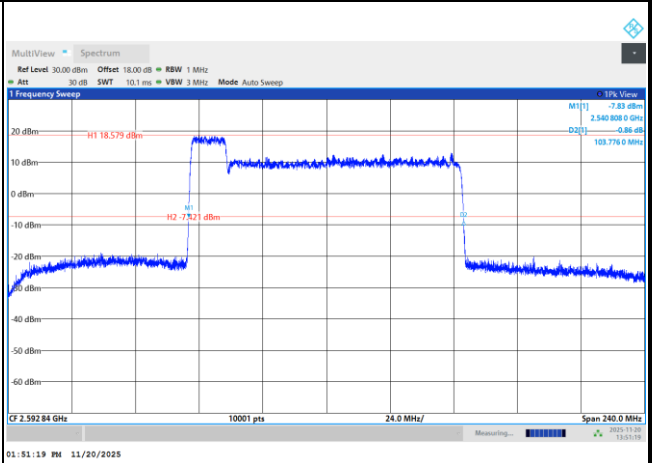


FR1 n41C / 15M90M / DFT-S OFDM / Middle Channel / Full RB

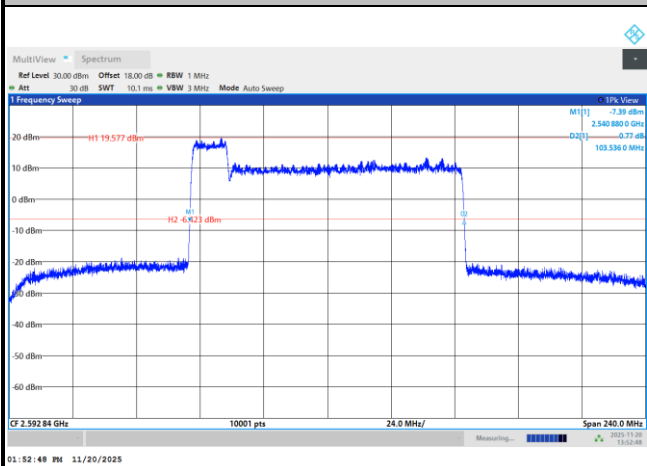
QPSK



QPSK



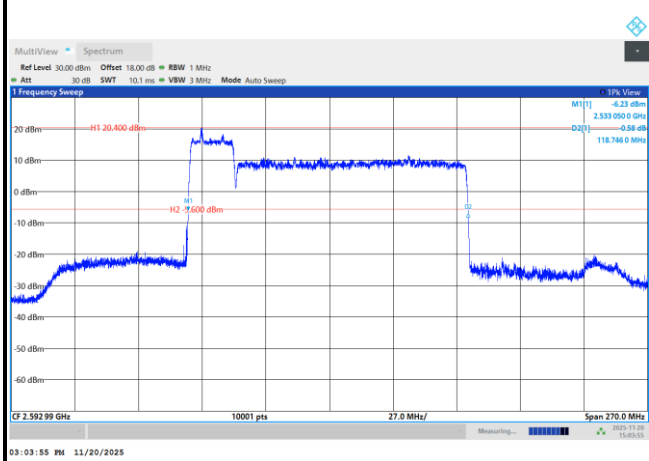
16QAM



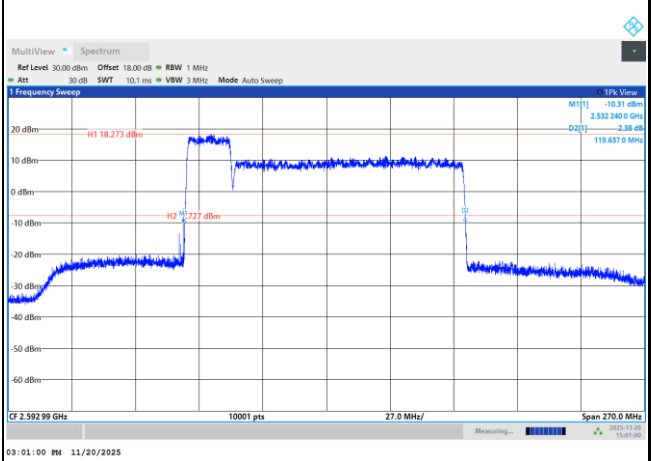


FR1 n41C / 20M100M / DFT-S OFDM / Middle Channel / Full RB

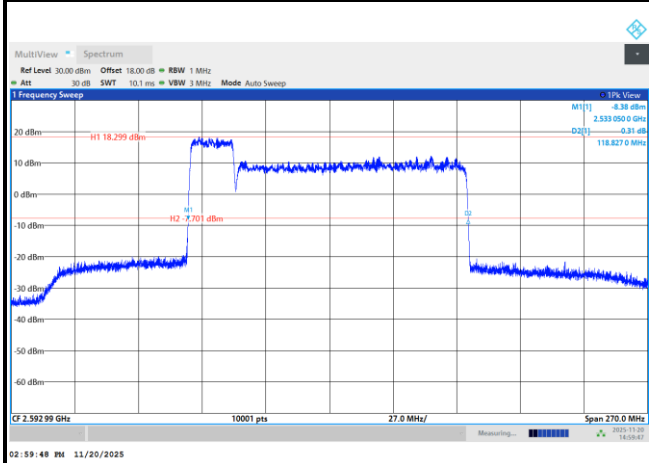
PI/2 BPSK



QPSK



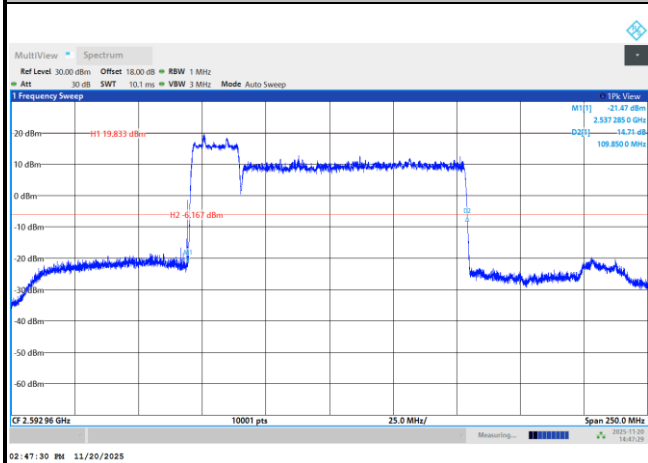
16QAM



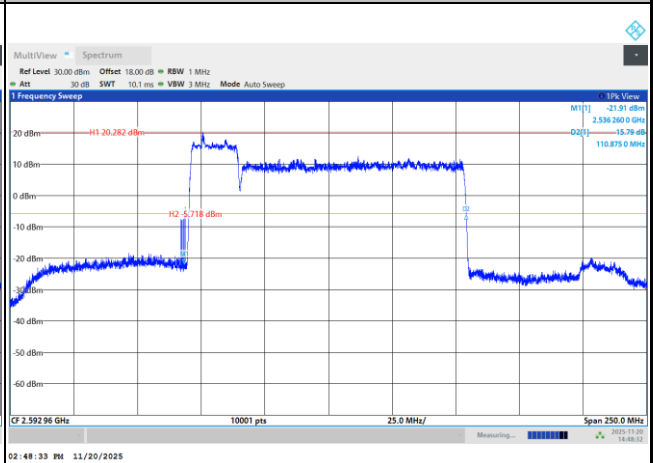


FR1 n41C / 20M90M / DFT-S OFDM / Middle Channel / Full RB

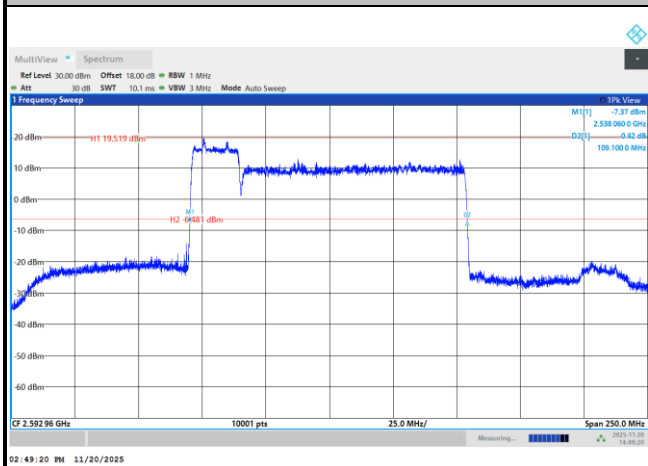
PI/2 BPSK



QPSK



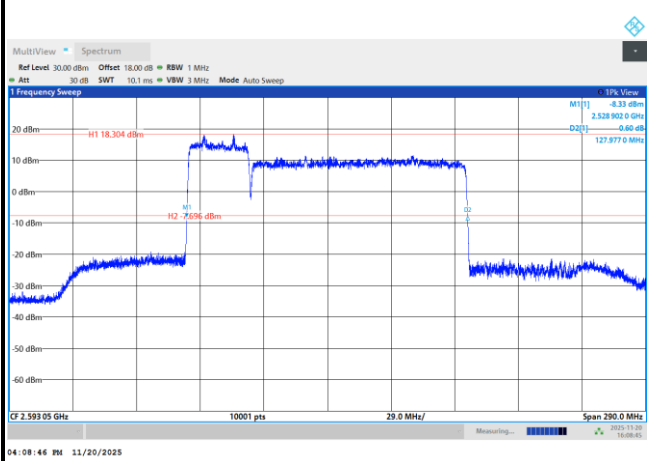
16QAM



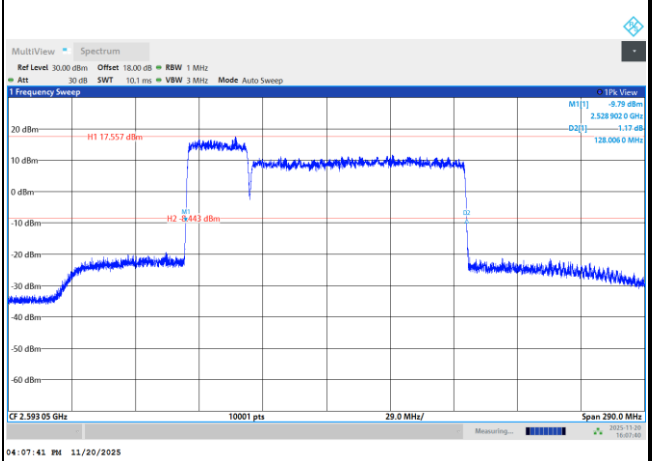


FR1 n41C / 30M100M / DFT-S OFDM / Middle Channel / Full RB

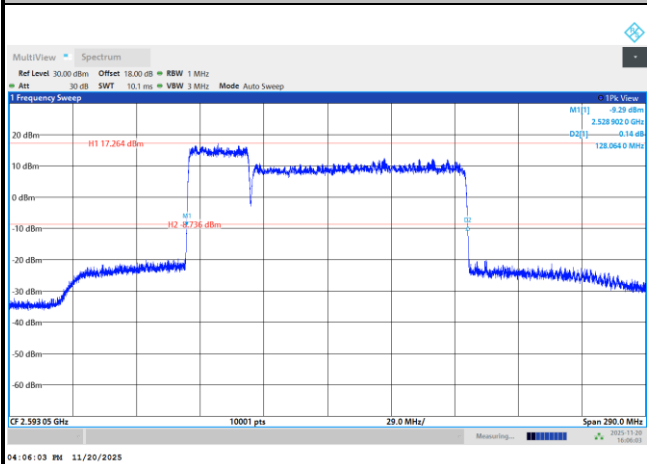
PI/2 BPSK



QPSK



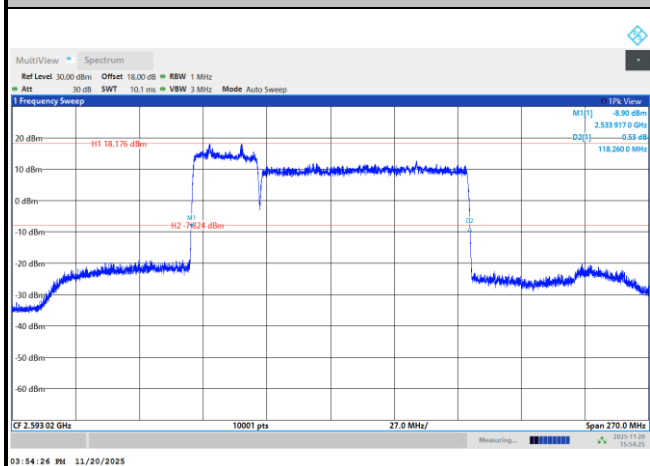
16QAM



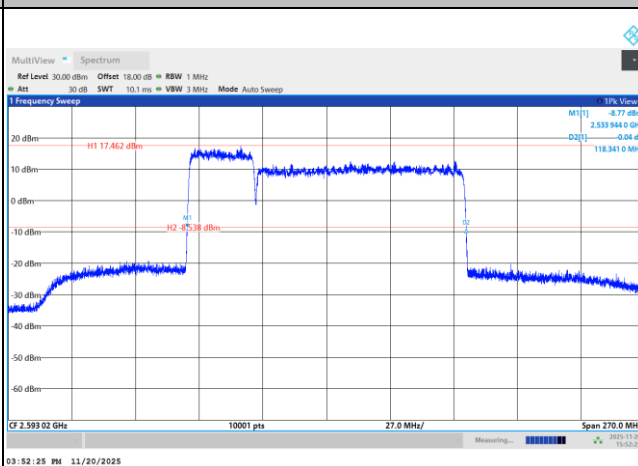


FR1 n41C / 30M90M / DFT-S OFDM / Middle Channel / Full RB

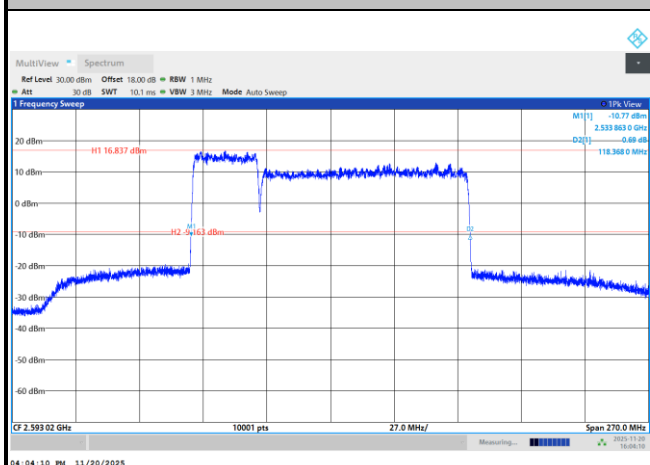
PI/2 BPSK



QPSK



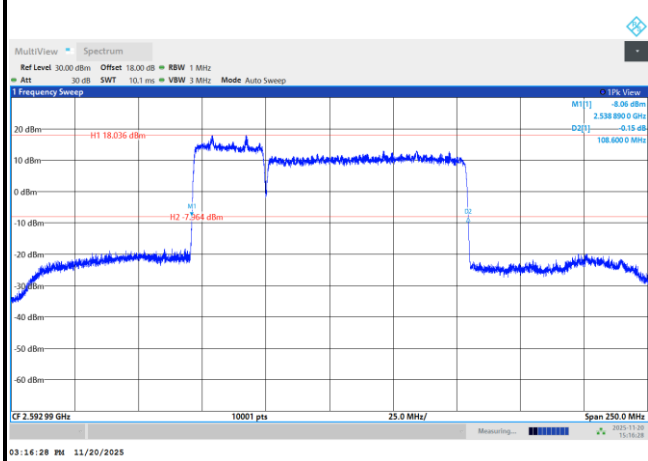
16QAM



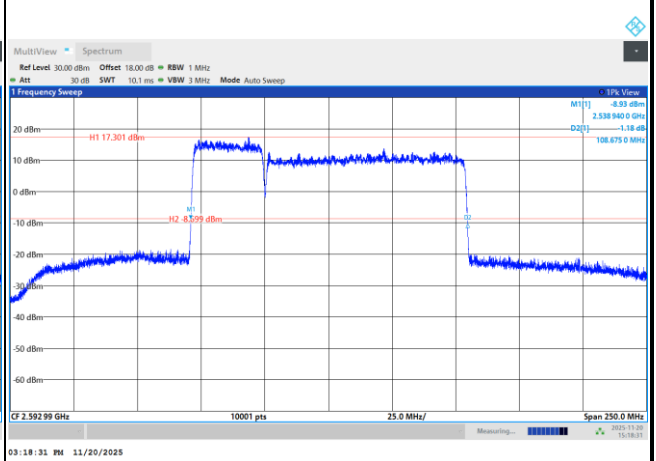


FR1 n41C / 30M80M / DFT-S OFDM / Middle Channel / Full RB

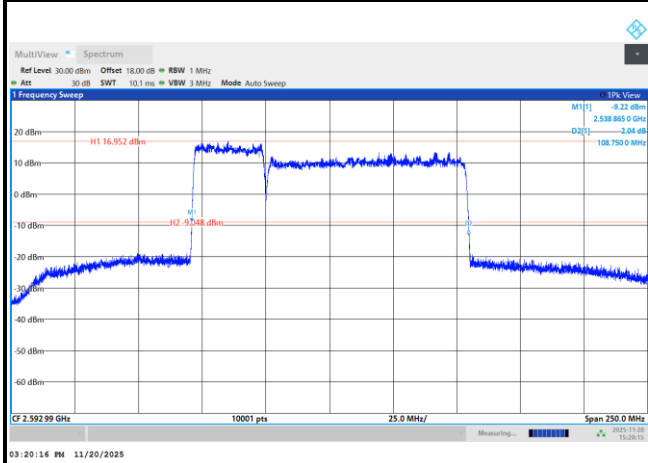
PI/2 BPSK



QPSK



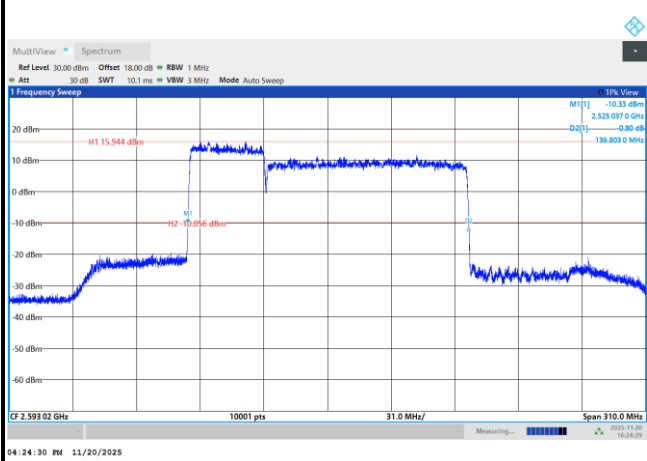
16QAM



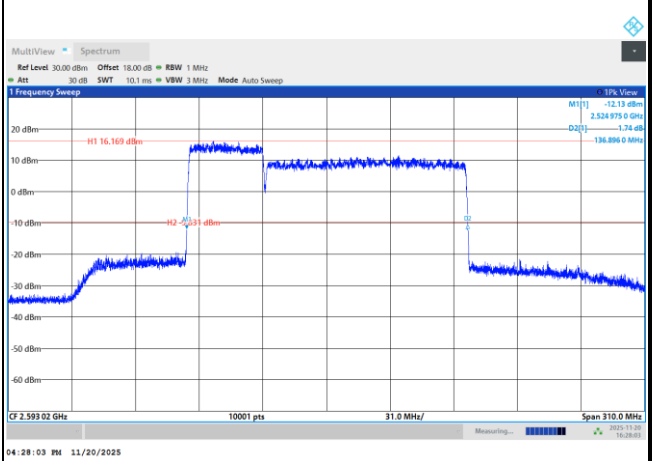


FR1 n41C / 40M100M / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



QPSK



16QAM

