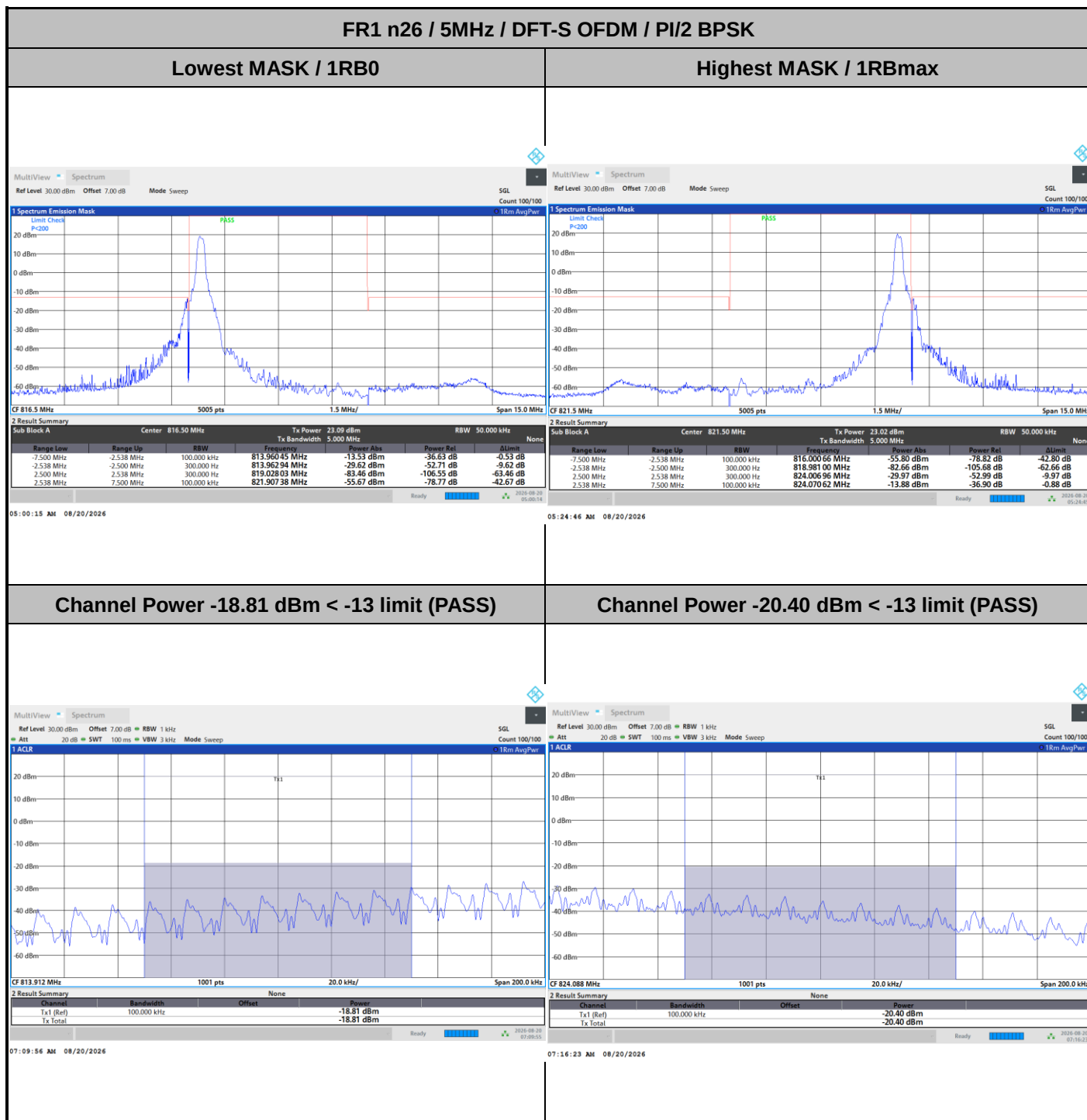




Emission masks – In-band emissions





FR1 n26 / 5MHz / DFT-S OFDM / PI/2 BPSK

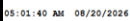
Lowest MASK / Full RB

Highest MASK / Full RB

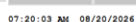
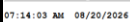




Highest MASK / 1RBmax



Channel Power -18.92 dBm < -13 limit (PASS)





FR1 n26 / 5MHz / DFT-S OFDM / QPSK

Lowest MASK / Full RB

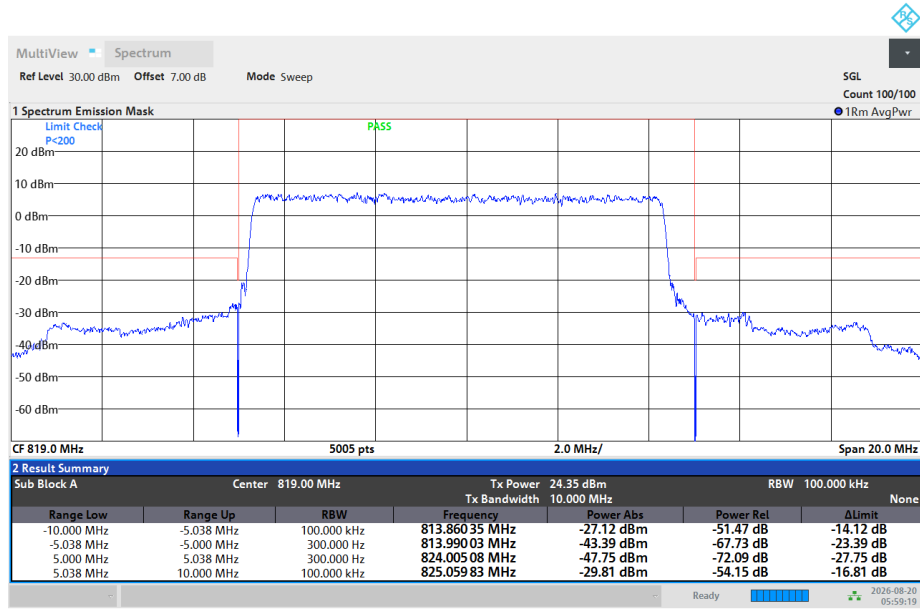
Highest MASK / Full RB





FR1 n26 / 10MHz / DFT-s-OFDM / PI/2 BPSK

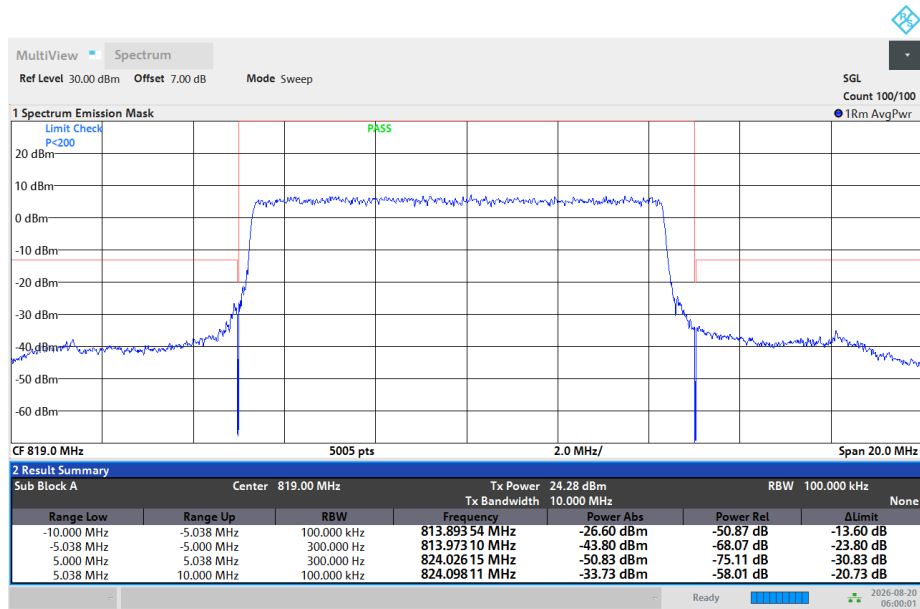
Middle MASK / Full RB



05-59-19 AM 08/20/2026

FR1 n26 / 10MHz / DFT-s-OFDM / QPSK

Lowest MASK / Full RB



06-00-01 AM 08/20/2026

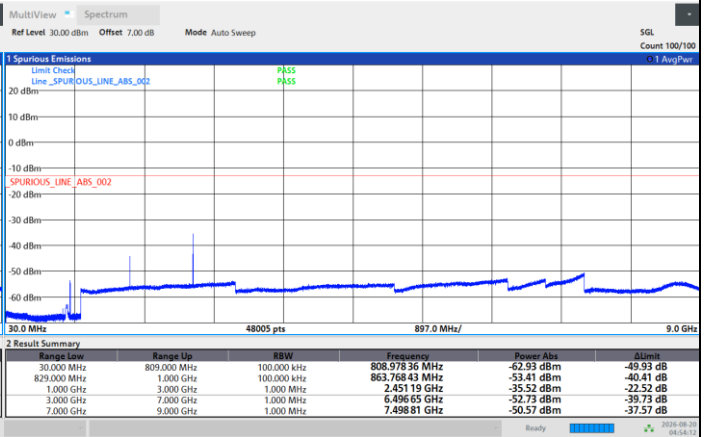
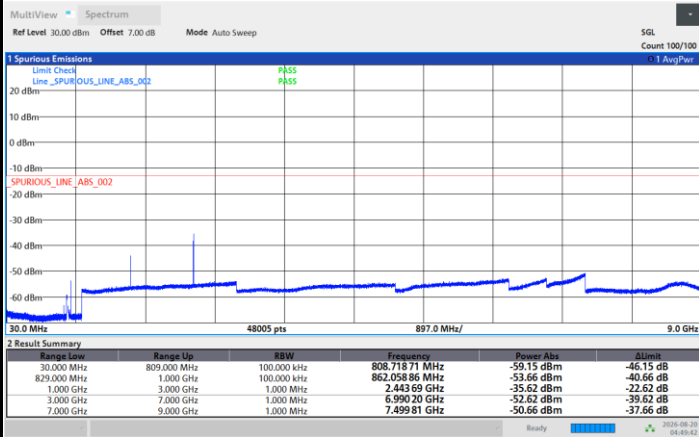


Emission masks – Out of band emissions

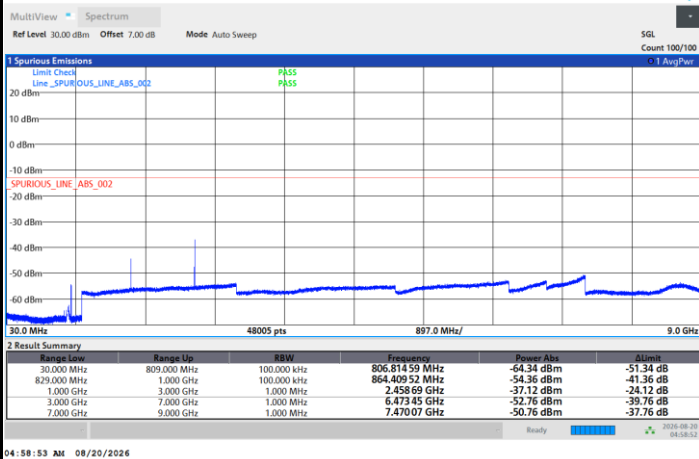
FR1 n26 / 5MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n26 (BPSK) / Middle Channel 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0125	-10.2	Yes	PASS
40	Normal Voltage	0.0081	-6.6	Yes	
30	Normal Voltage	0.0053	4.3	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0092	-7.5	Yes	
0	Normal Voltage	0.0123	-10.1	Yes	
-10	Normal Voltage	0.0073	6	Yes	
-20	Normal Voltage	0.0024	2	Yes	
-30	Normal Voltage	0.0013	1.1	Yes	
20	Maximum Voltage	0.0070	5.7	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0145	-11.9	Yes	

Note:

1. Normal Voltage = 3.75 V. ; Minimum Voltage = 3.5 V. ; Maximum Voltage = 4.57 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 n26 Part90s Straddle Channel –ANT 0****<SISO Mode>****Peak-to-Average Ratio**

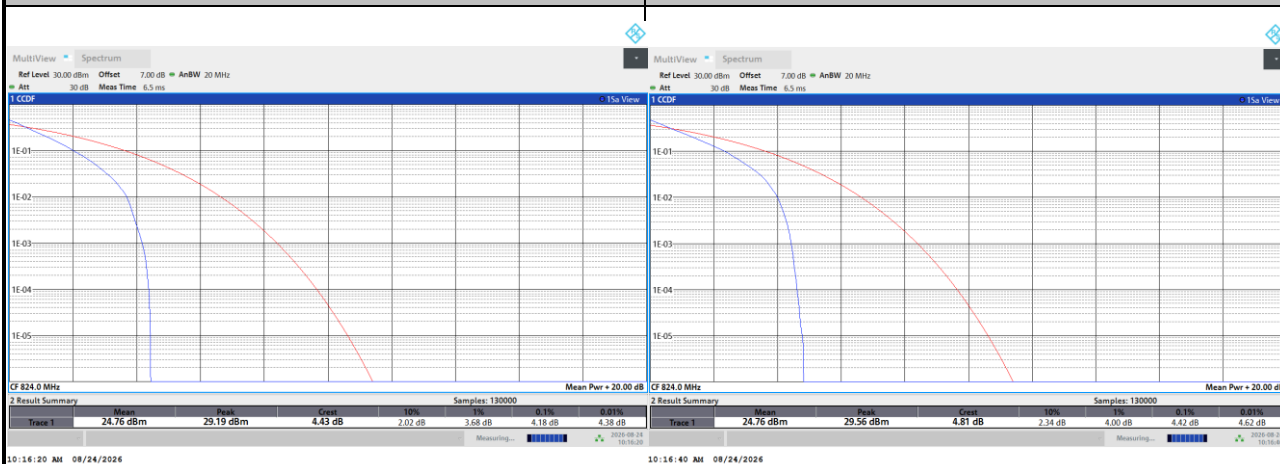
Mode	FR1 n26 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.18	4.42	5.40	5.82	PASS
Mode	FR1 n26 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.66				PASS



FR1 n26 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

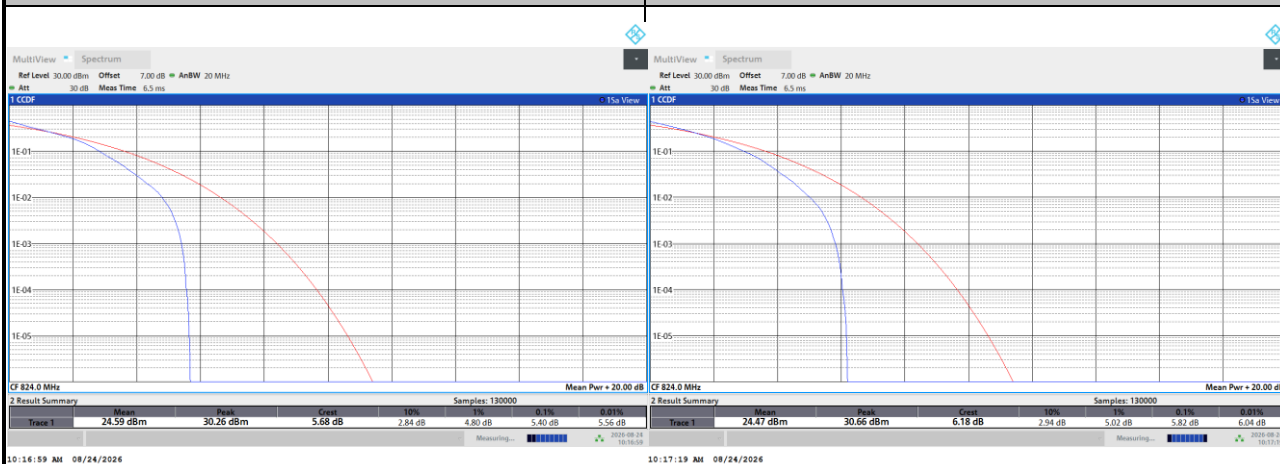
PI/2 BPSK

QPSK

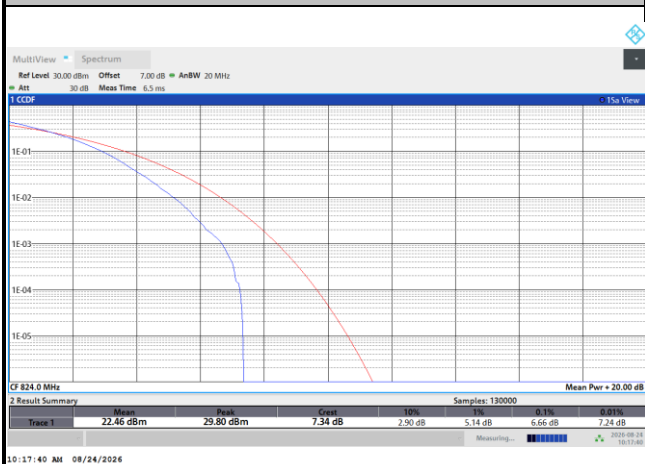


16QAM

64QAM



256QAM



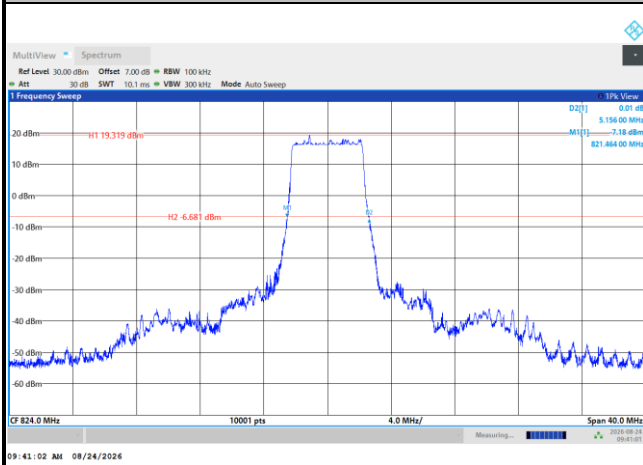
**26dB Bandwidth**

Mode	FR1 n26 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	5.15	5.11	9.83	9.93	14.50	14.51	19.44	19.37
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	5.07		9.89		14.65		19.35	

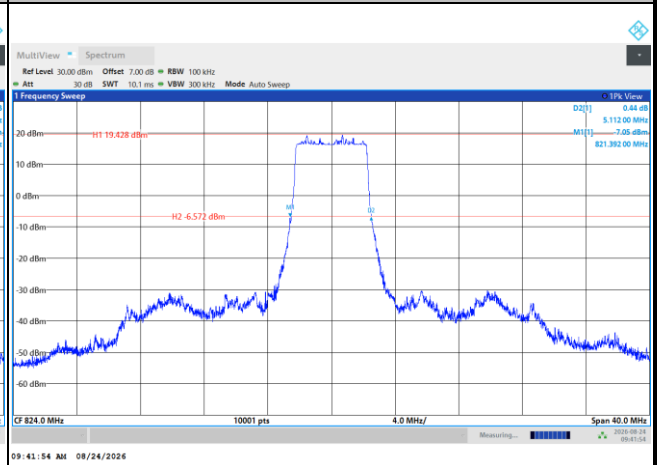


FR1 n26 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

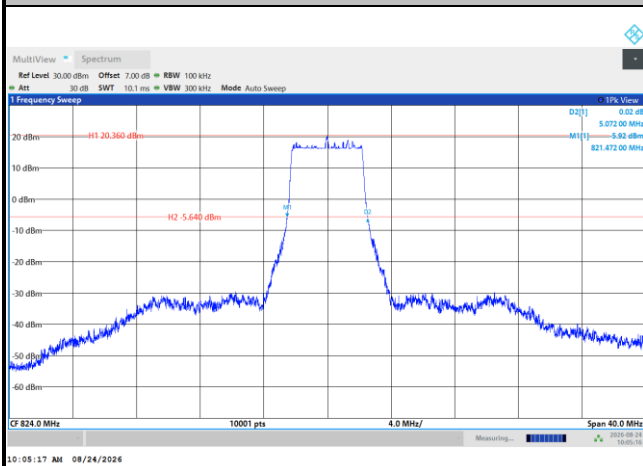
PI/2 BPSK



QPSK



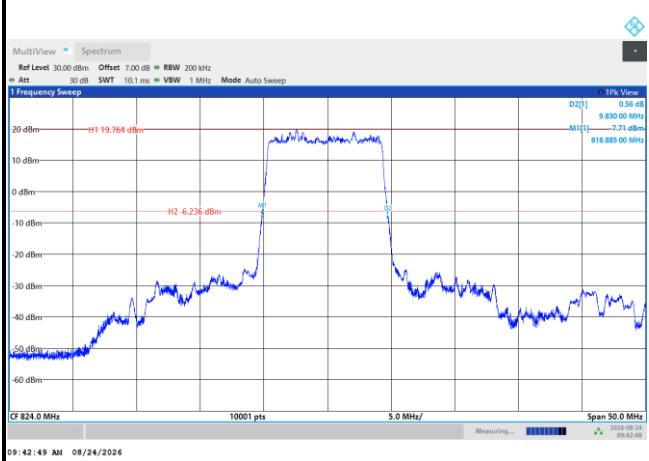
16QAM



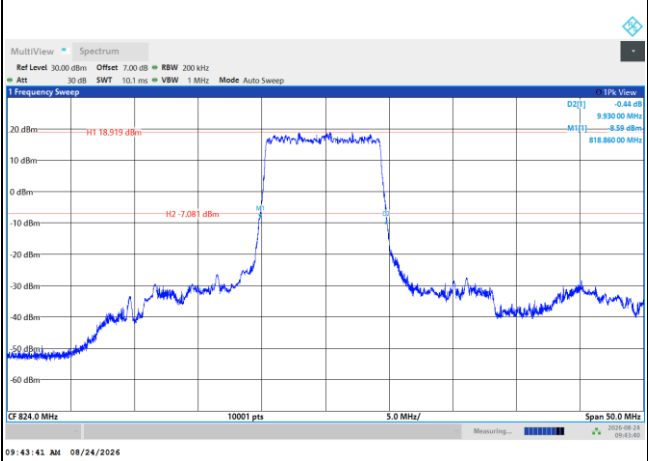


FR1 n26 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

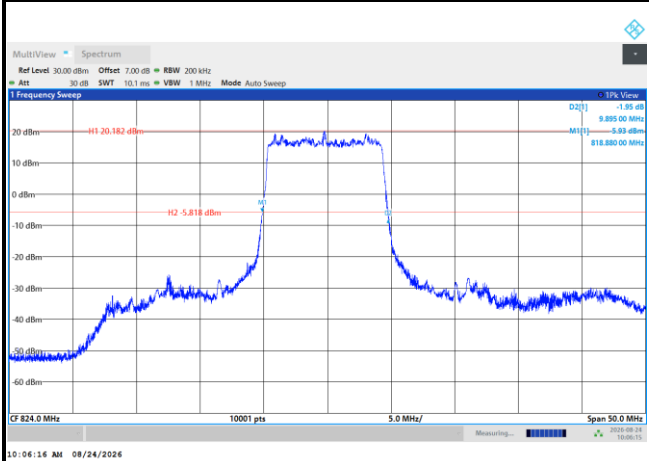
PI/2 BPSK



QPSK



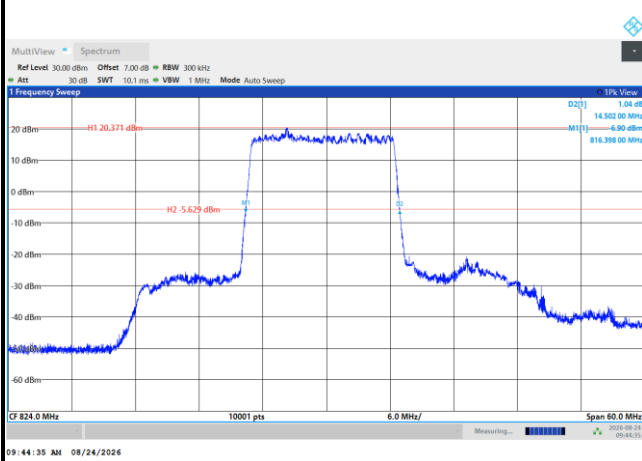
16QAM



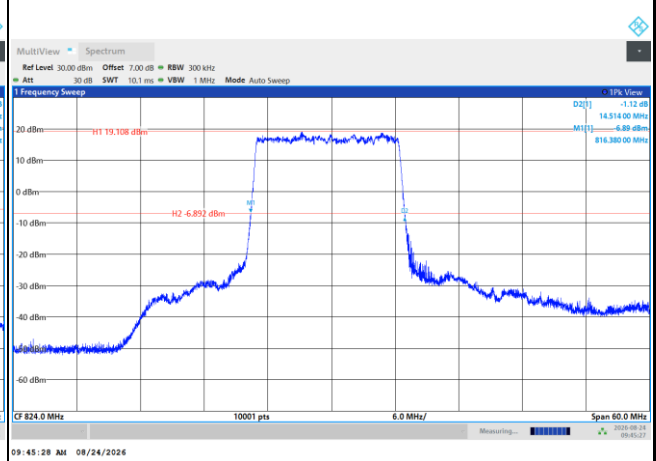


FR1 n26 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

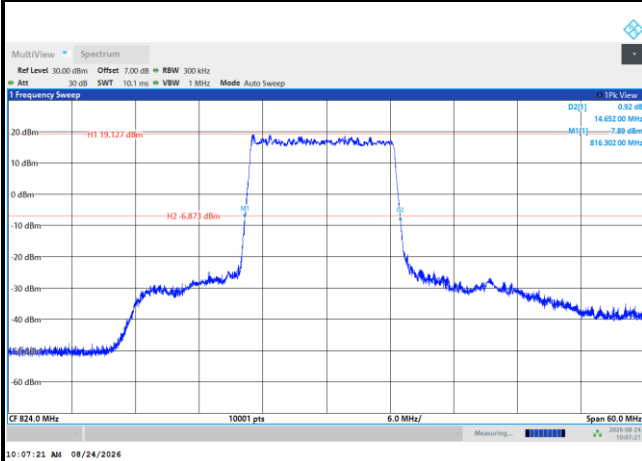
PI/2 BPSK



QPSK



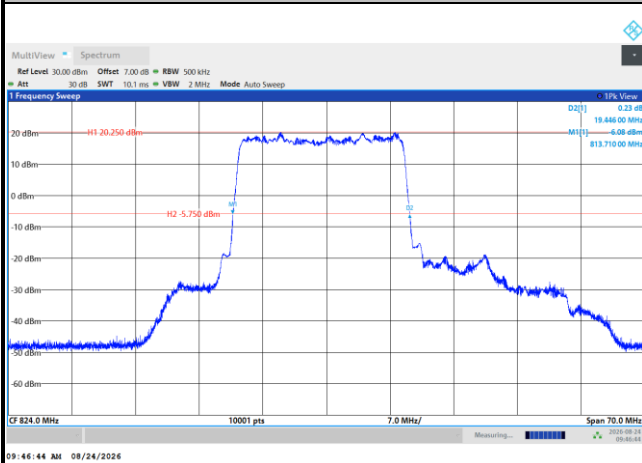
16QAM



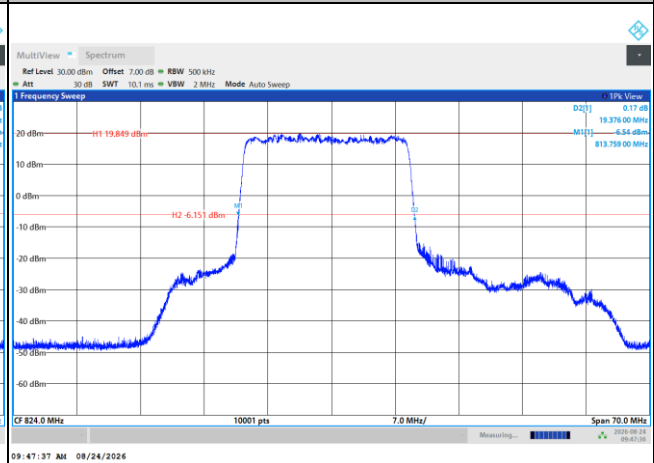


FR1 n26 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

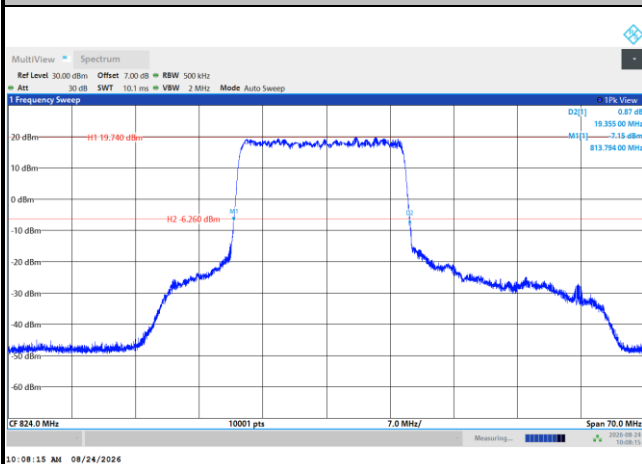
PI/2 BPSK



QPSK



16QAM



**Occupied Bandwidth**

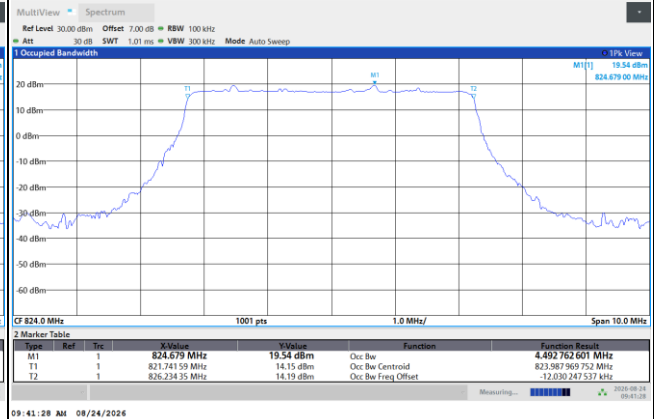
Mode	FR1 n26 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	4.49	4.49	8.97	9.00	13.47	13.48	18.04	17.95
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	4.49		9.00		13.51		17.95	



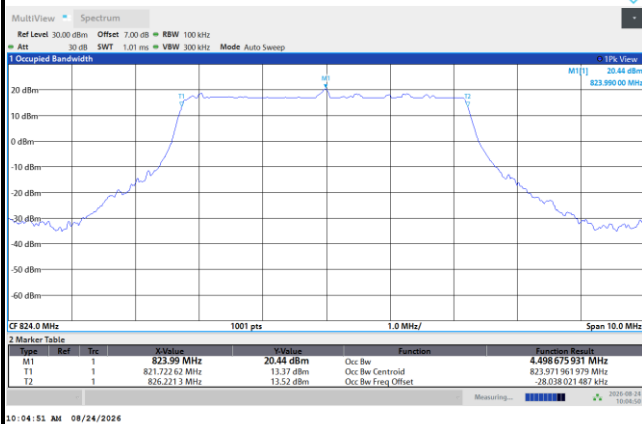
FR1 n26 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

QPSK



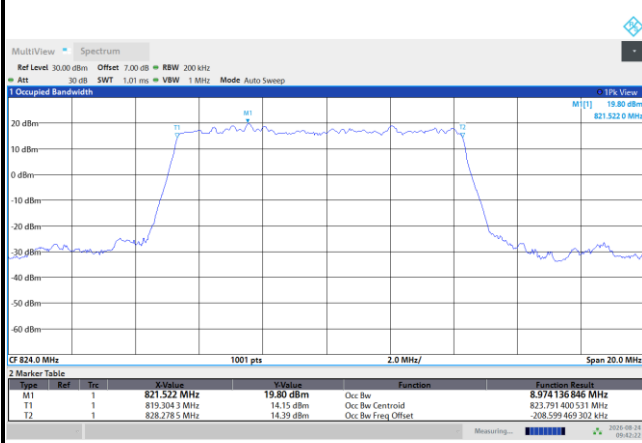
16QAM





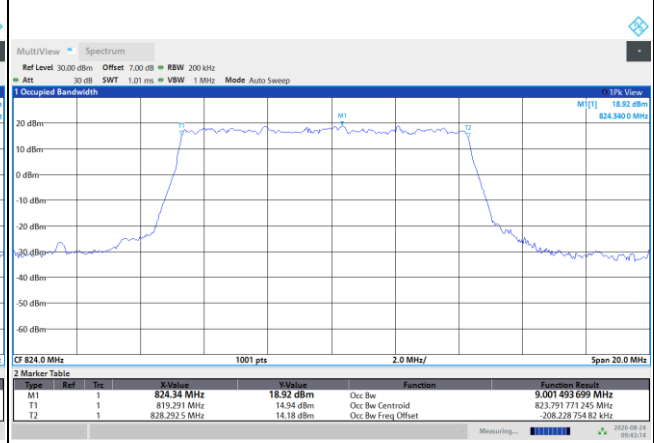
FR1 n26 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



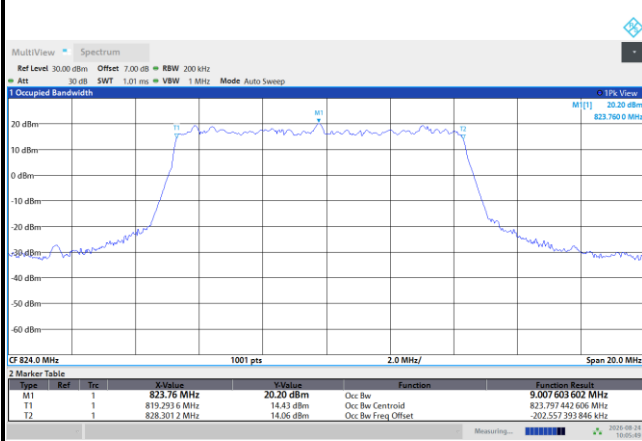
09:42:22 AM 08/24/2026

QPSK



09:43:15 AM 08/24/2026

16QAM

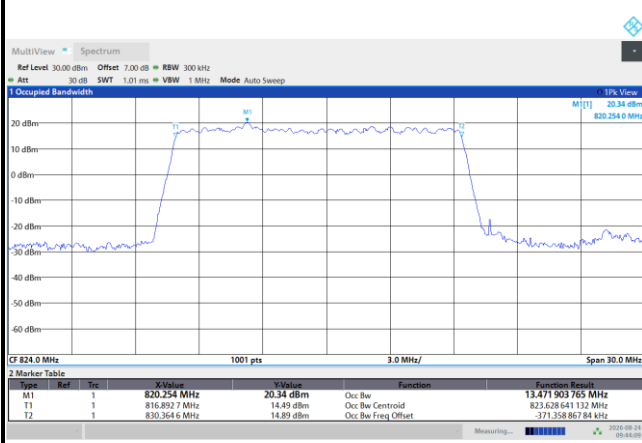


10:05:50 AM 08/24/2026



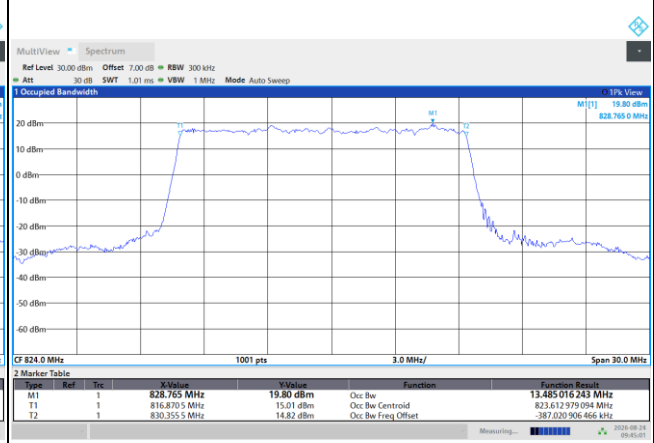
FR1 n26 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



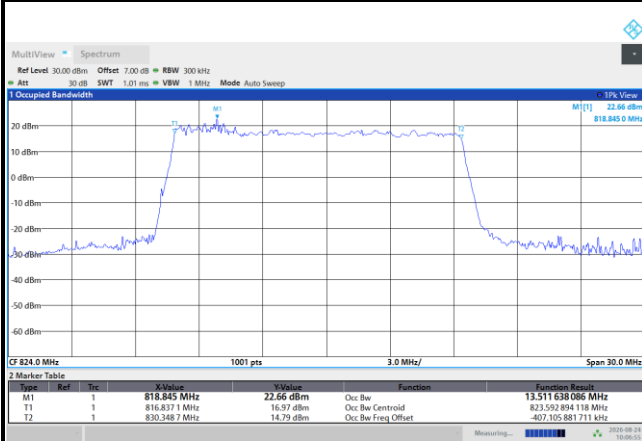
09:44:09 AM 08/24/2026

QPSK



09:45:02 AM 08/24/2026

16QAM

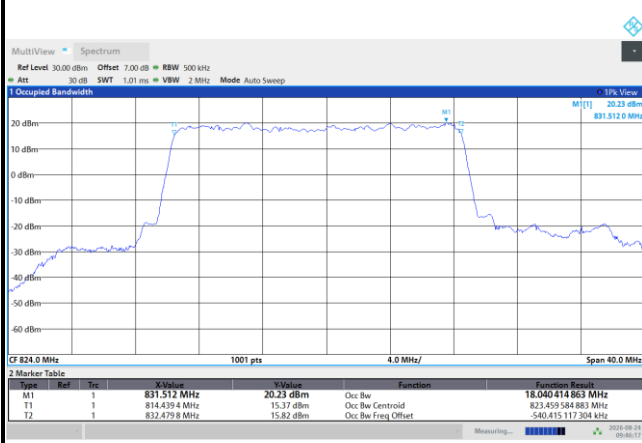


10:06:55 AM 08/24/2026



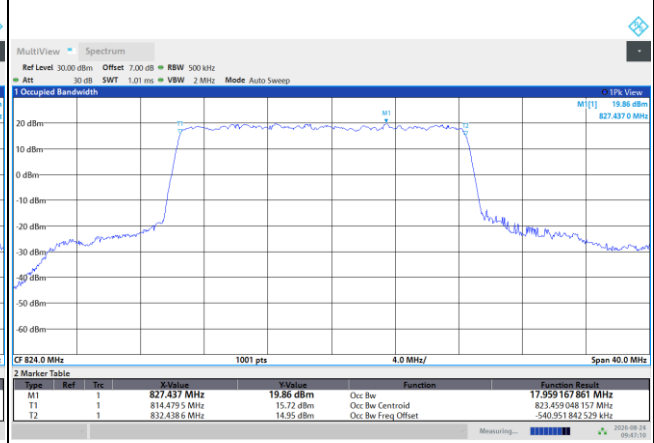
FR1 n26 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



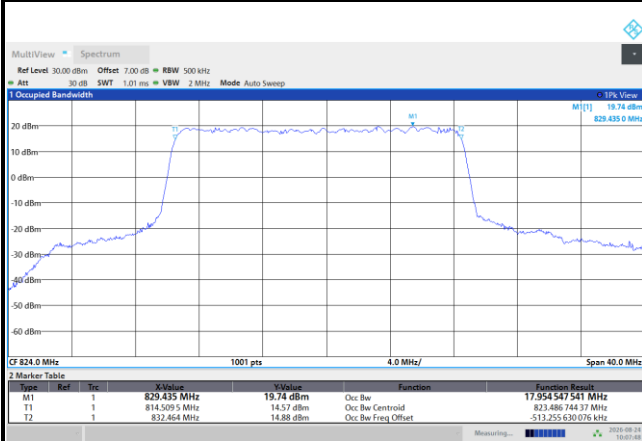
09:46:18 AM 08/24/2026

QPSK



09:47:11 AM 08/24/2026

16QAM



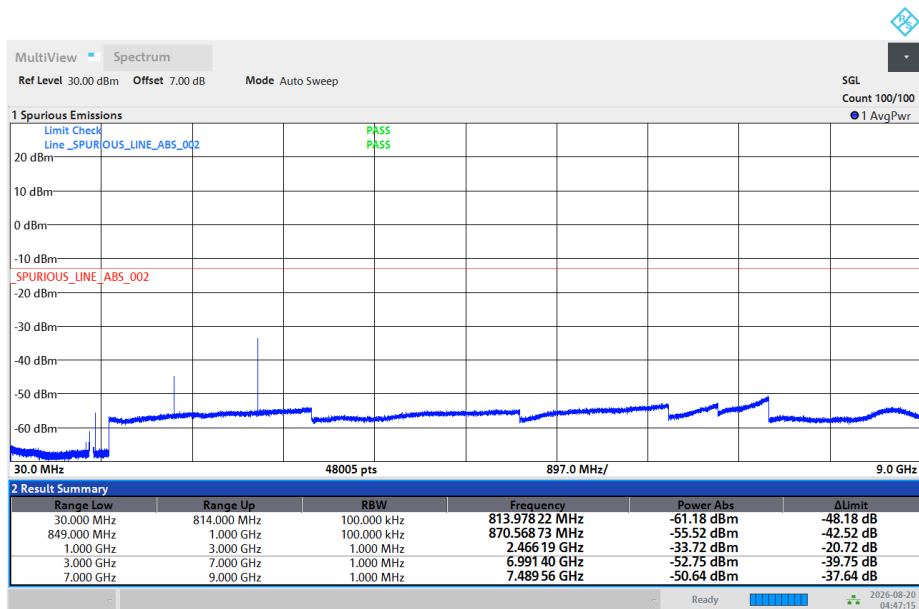
10:07:49 AM 08/24/2026



Emission masks – Out of band emissions

FR1 n26 / 5MHz / DFT-S OFDM / QPSK / 1RB1

Middle MASK / Full RB



04-47-16 AM 08/20/2026

Frequency Stability

Test Conditions		FR1 n26 (BPSK) / Middle Channel 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0041	3.4	Yes	PASS
40	Normal Voltage	0.0050	4.1	Yes	
30	Normal Voltage	0.0119	9.8	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0000	0	Yes	
0	Normal Voltage	0.0158	13	Yes	
-10	Normal Voltage	0.0011	-0.9	Yes	
-20	Normal Voltage	0.0172	14.2	Yes	
-30	Normal Voltage	0.0163	13.4	Yes	
20	Maximum Voltage	0.0133	11	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0024	2	Yes	

Note:

1. Normal Voltage = 3.75 V. ; Minimum Voltage = 3.5 V. ; Maximum Voltage = 4.57 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 n30 for Main PA—ANT3

<SISO Mode>

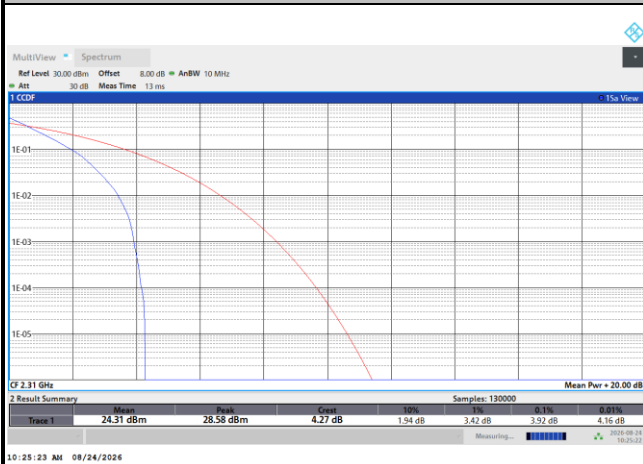
Peak-to-Average Ratio

Mode	FR1 n30 / 10MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	3.92	4.46	5.54	5.86	PASS
Mode	FR1 n30 / 10MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.64				PASS

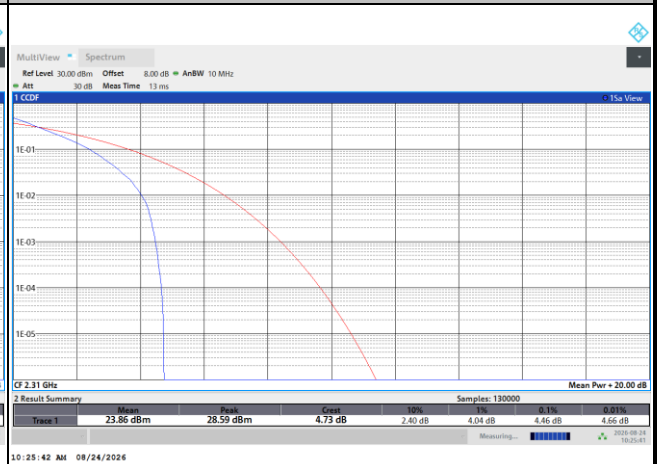


FR1 n30 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

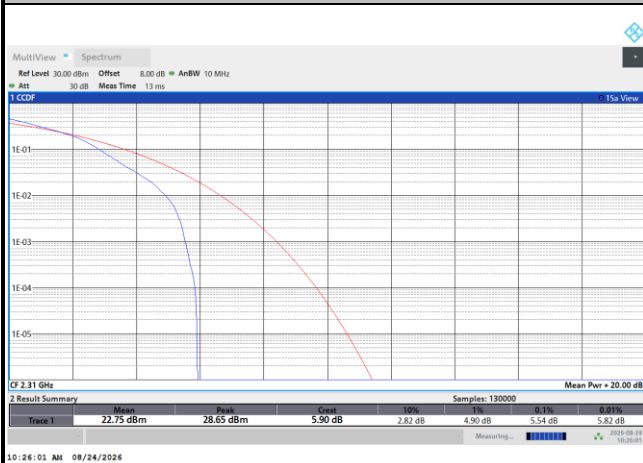
PI/2 BPSK



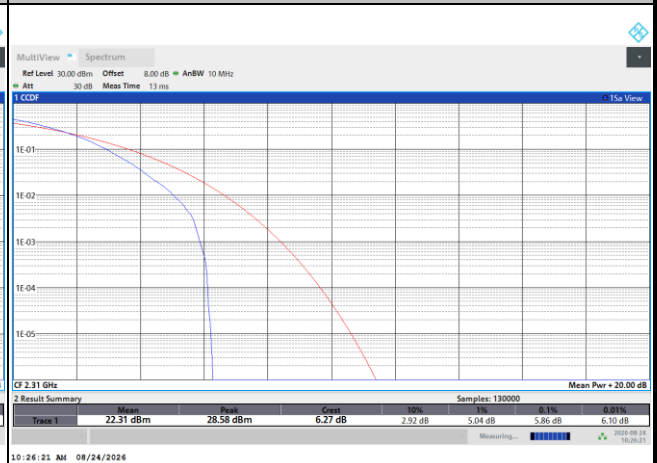
QPSK



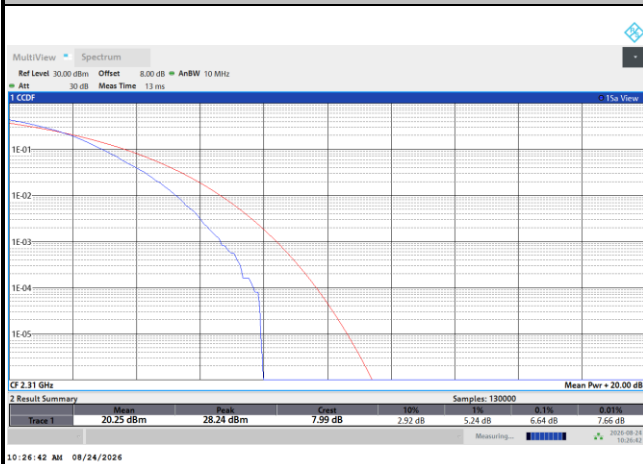
16QAM



64QAM



256QAM



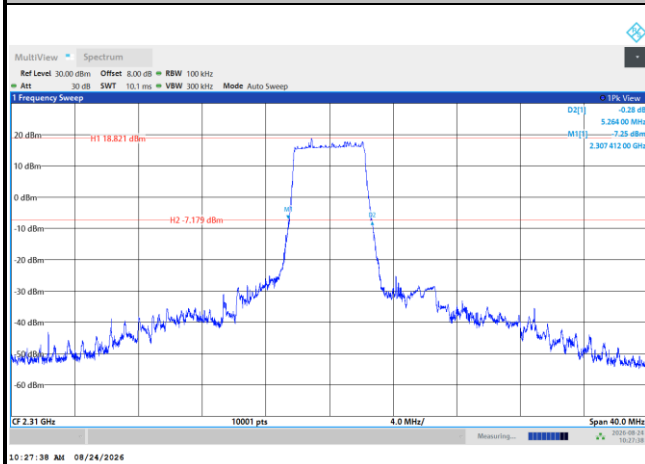
**26dB Bandwidth**

Mode	FR1 n30 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz					
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK				
Middle CH	5.26	5.18	9.73	9.88				
Mod.	16QAM		16QAM					
Middle CH	5.26		9.82					

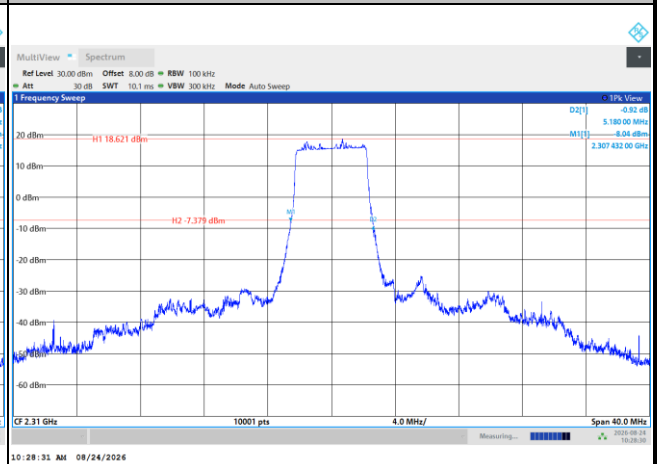


FR1 n30 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

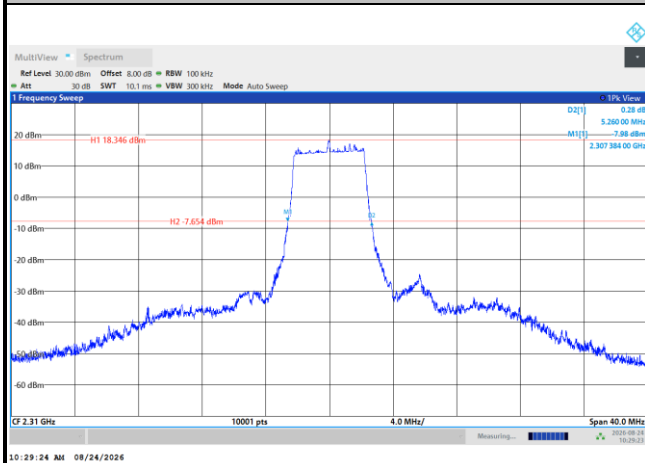
PI/2 BPSK



QPSK



16QAM

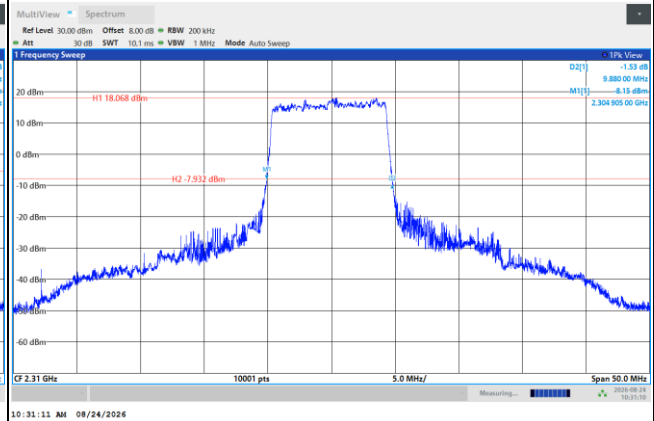
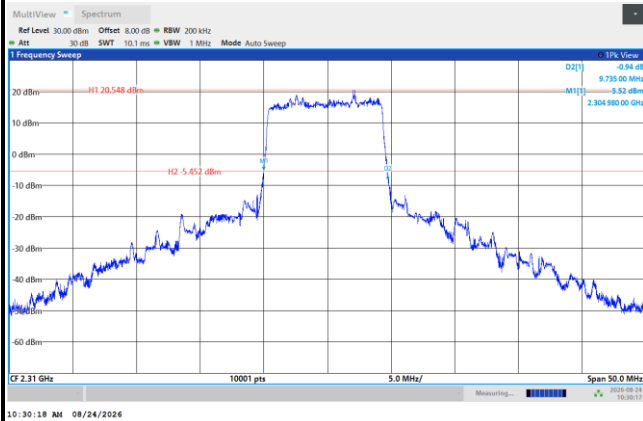




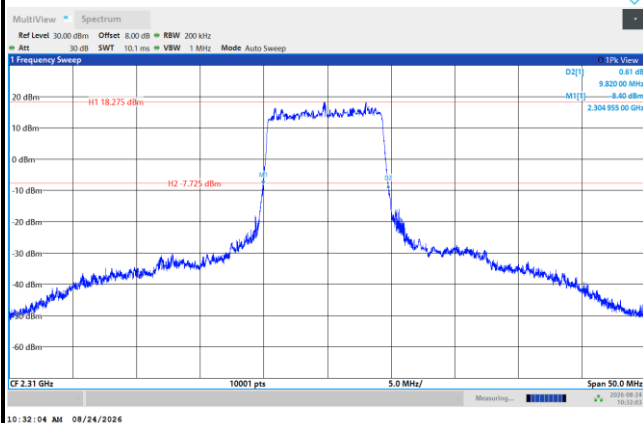
FR1 n30 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

QPSK



16QAM



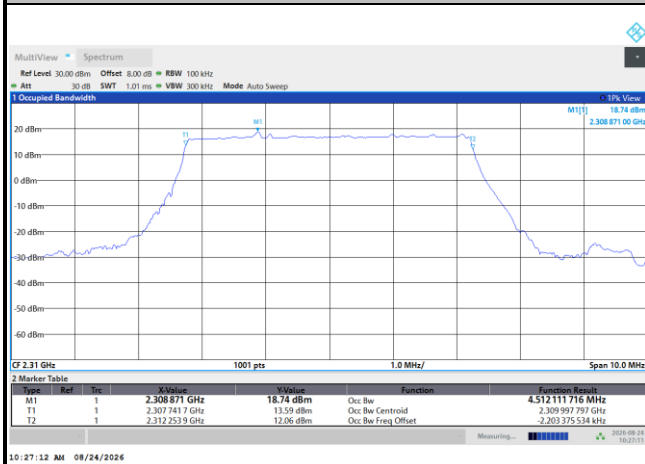
**Occupied Bandwidth**

Mode	FR1 n30 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz					
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK				
Middle CH	4.51	4.48	8.96	8.99				
Mod.	16QAM		16QAM					
Middle CH	4.51		8.99					



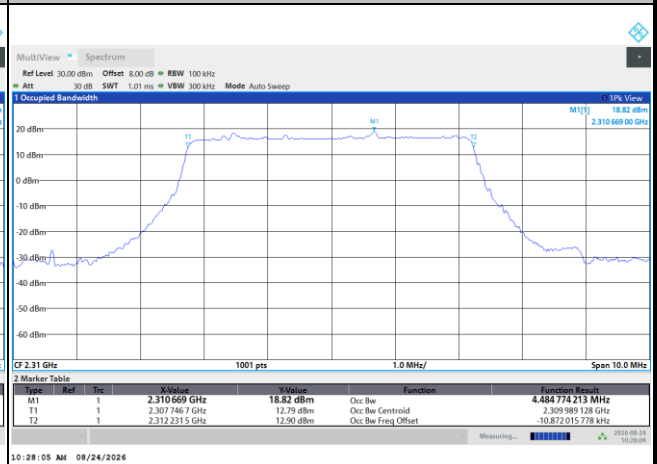
FR1 n30 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



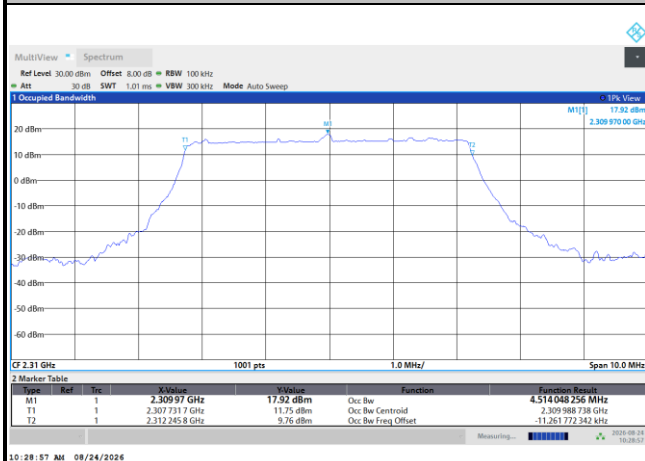
10:27:12 AM 08/24/2026

QPSK



10:28:05 AM 08/24/2026

16QAM

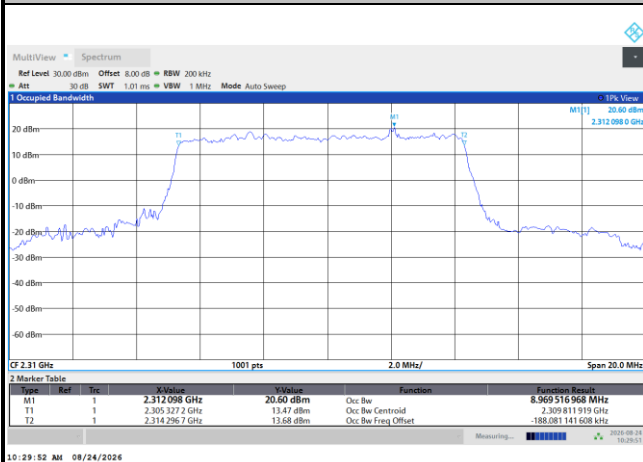


10:28:17 AM 08/24/2026



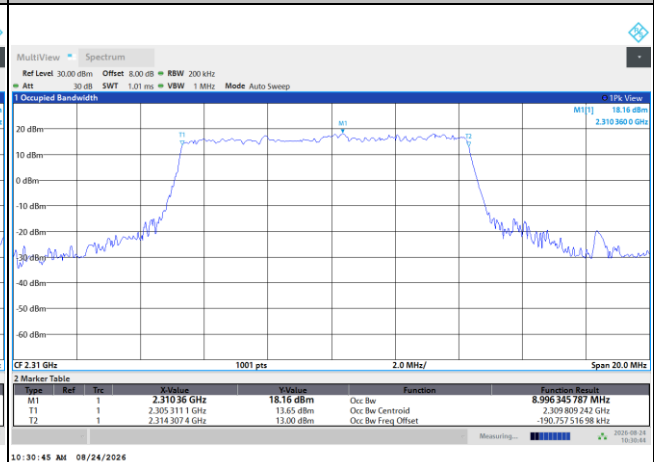
FR1 n30 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



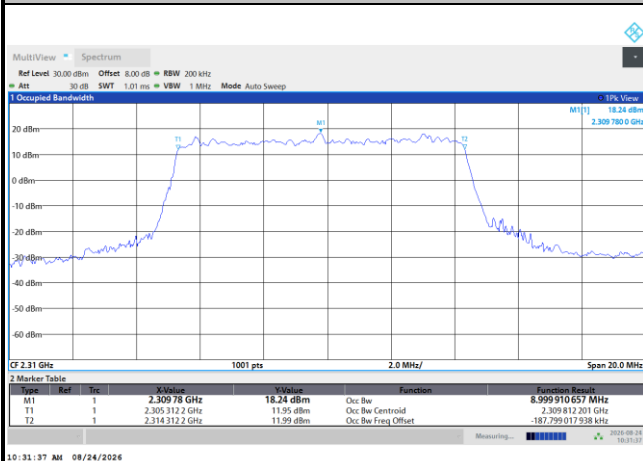
10:29:52 AM 08/24/2026

QPSK



10:30:45 AM 08/24/2026

16QAM



10:31:37 AM 08/24/2026

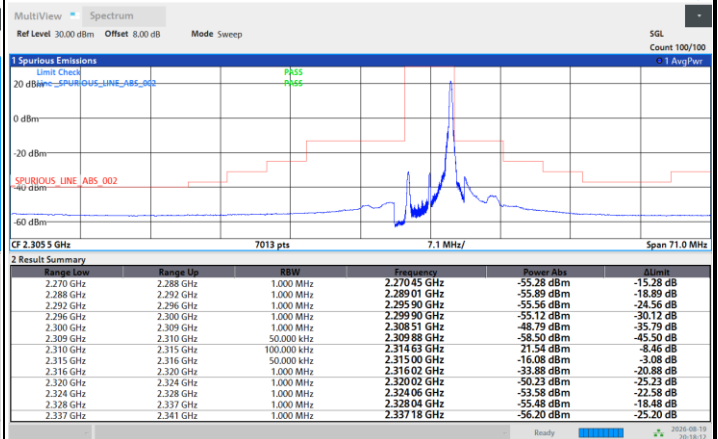
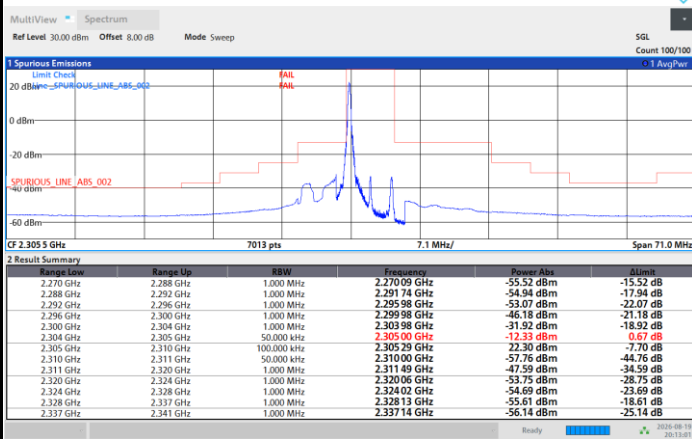


Conducted Band Edge

FR1 n30 / 5MHz / DFT-S OFDM / PI/2 BPSK

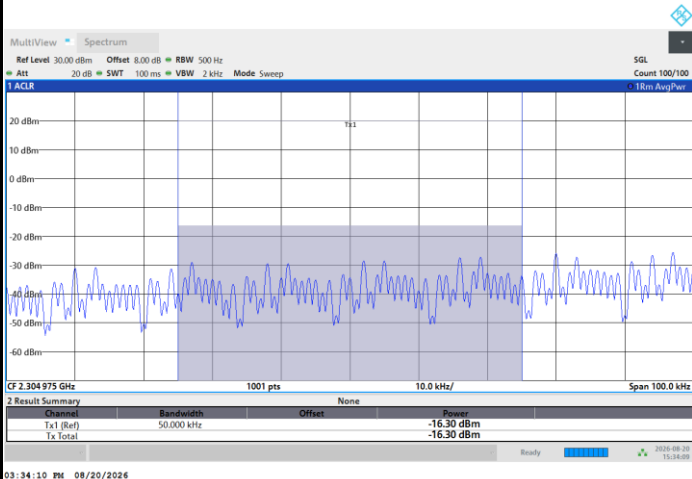
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Channel Power -16.30 dBm < -13 limit (PASS)

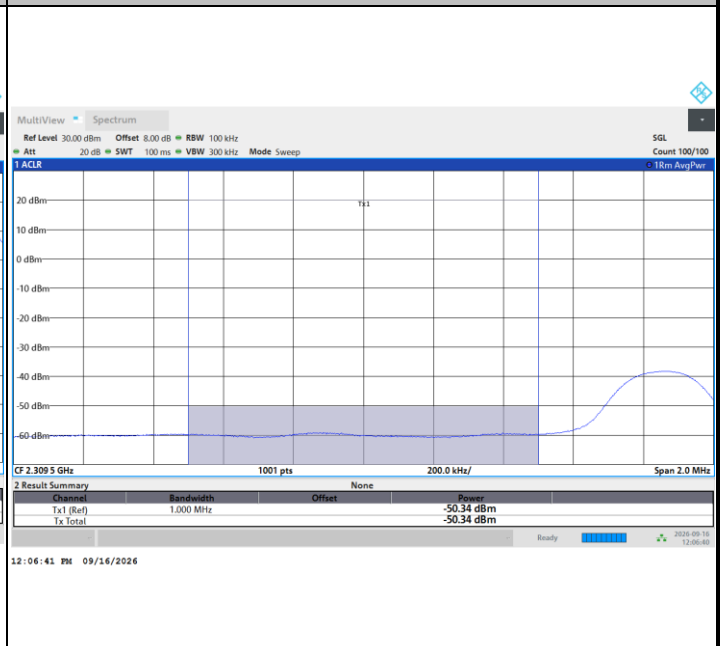
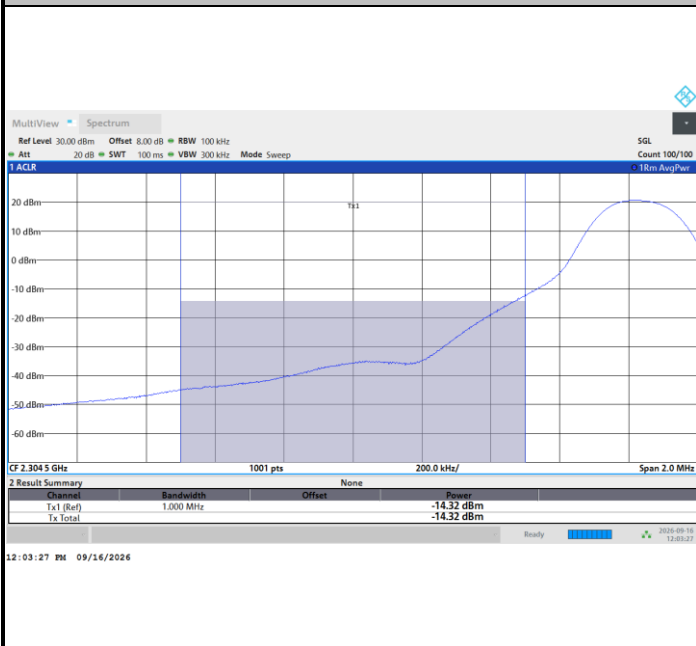
-

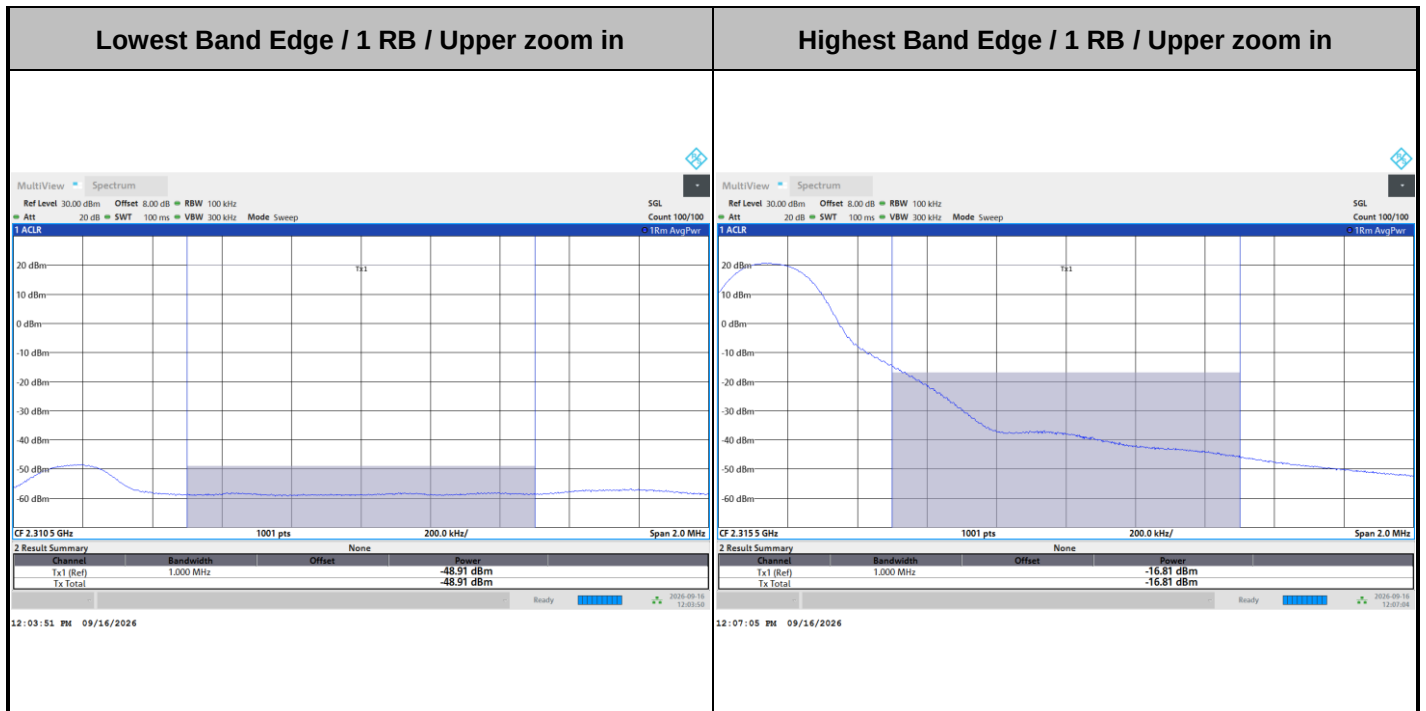




Lowest Band Edge / 1 RB / Lower zoom in

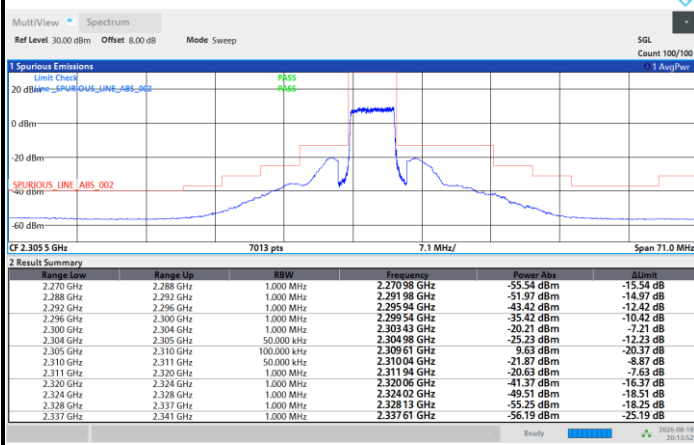
Highest Band Edge / 1 RB / Lower zoom in



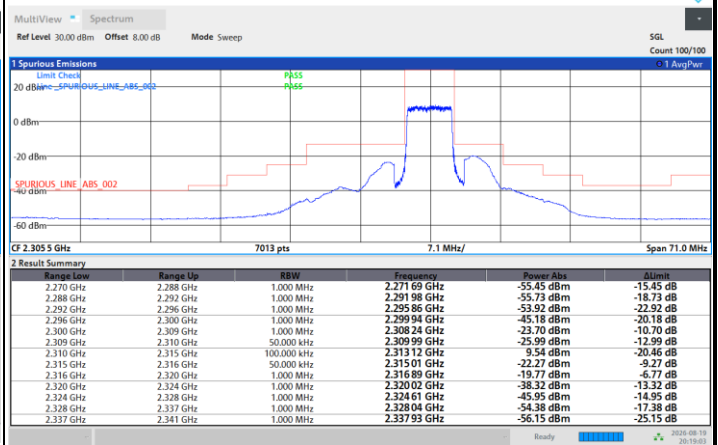




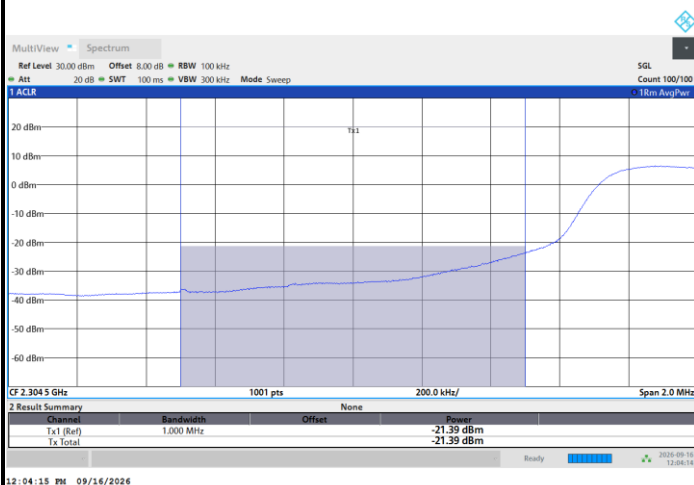
Lowest Band Edge / Full RB



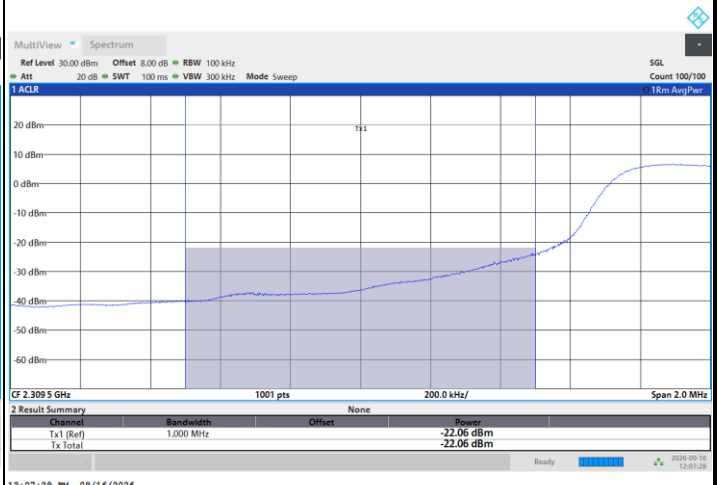
Highest Band Edge / Full RB



Lowest Band Edge / Full RB / Lower zoom in



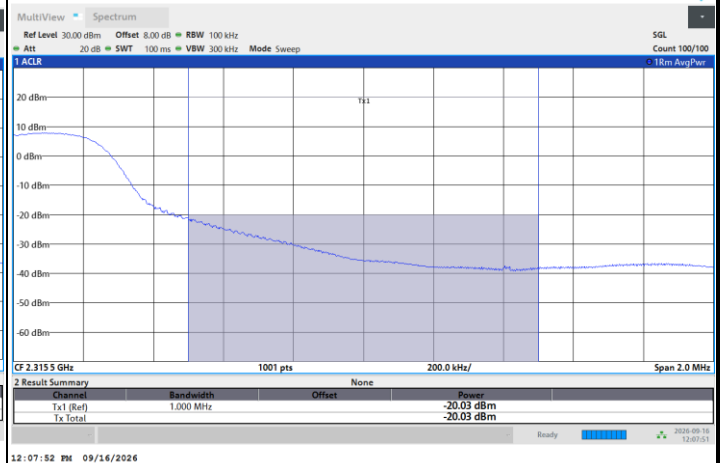
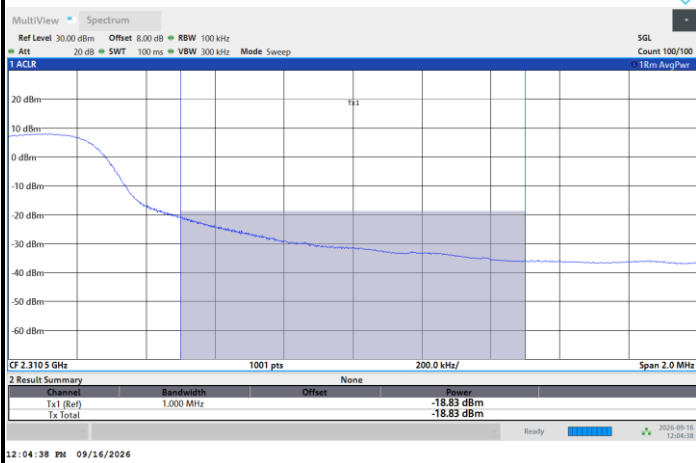
Highest Band Edge / Full RB / Lower zoom in





Lowest Band Edge / Full RB / Upper zoom in

Highest Band Edge / Full RB / Upper zoom in

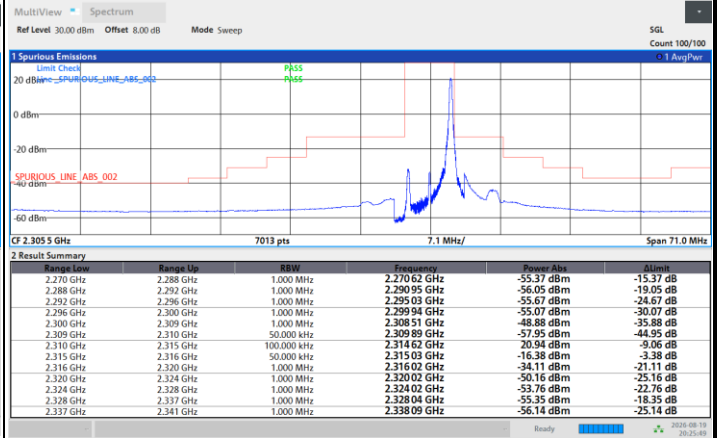
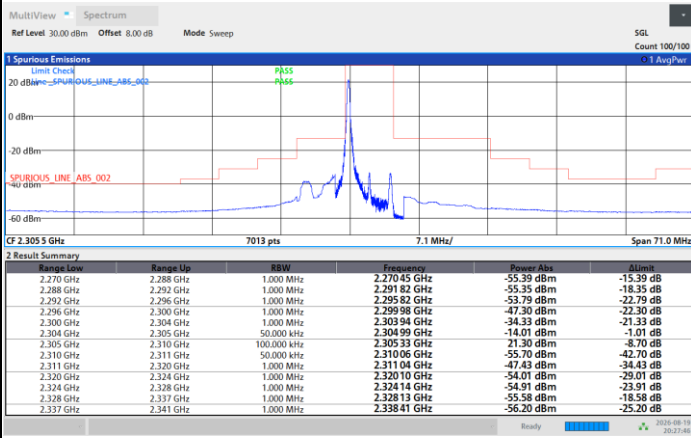




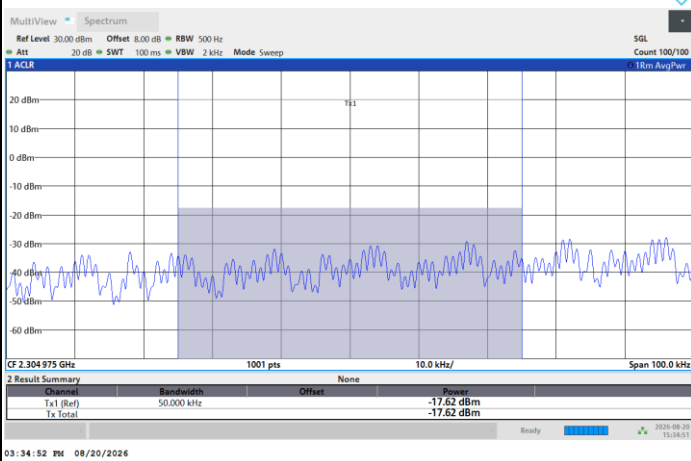
FR1 n30 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



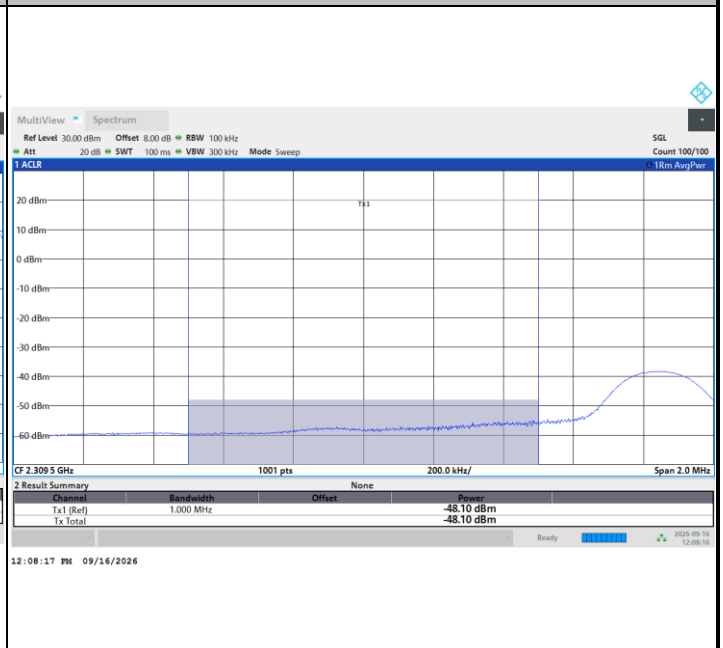
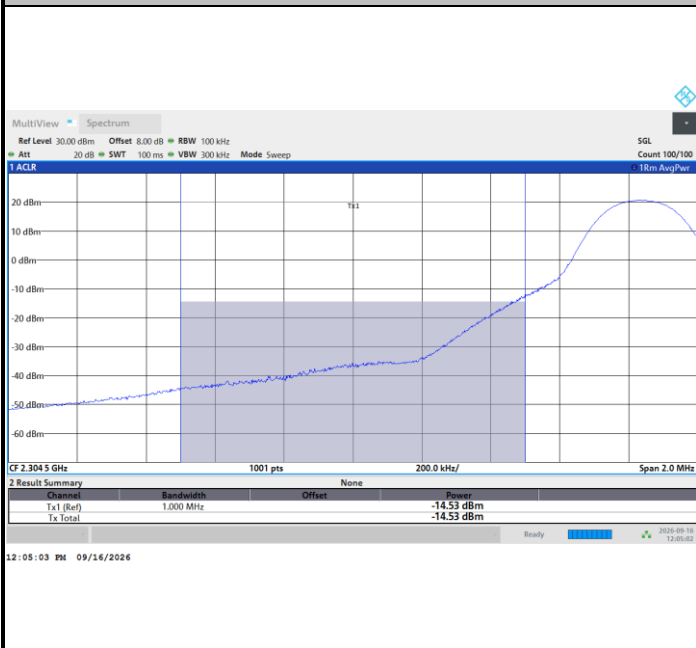
Channel Power -17.62 dBm < -13 limit (PASS)





Lowest Band Edge / 1 RB / Lower zoom in

Highest Band Edge / 1 RB / Lower zoom in





Lowest Band Edge / 1 RB / Upper zoom in

Highest Band Edge / 1 RB / Upper zoom in

