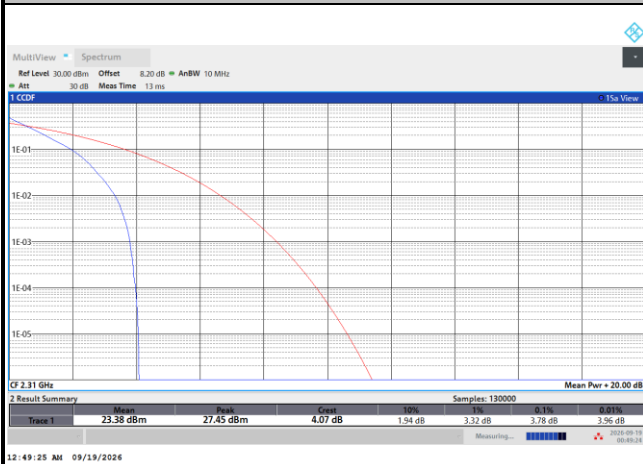


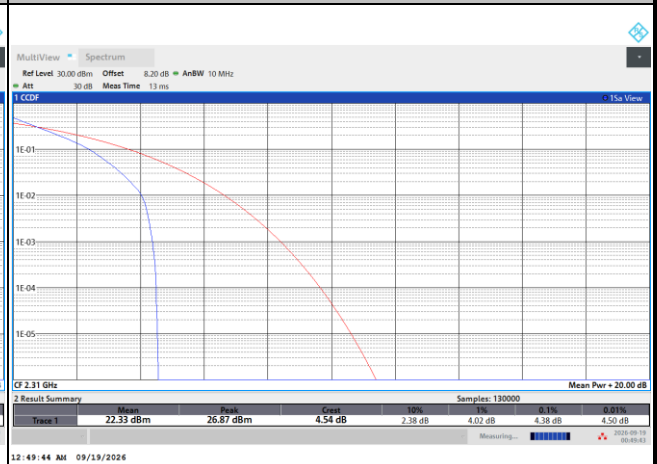


FR1 n30 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

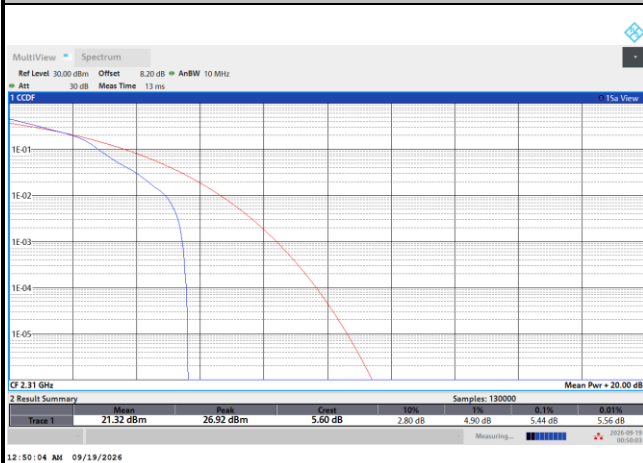
PI/2 BPSK



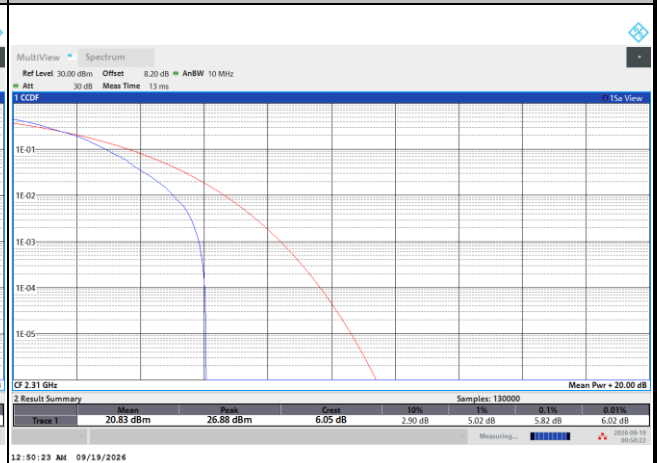
QPSK



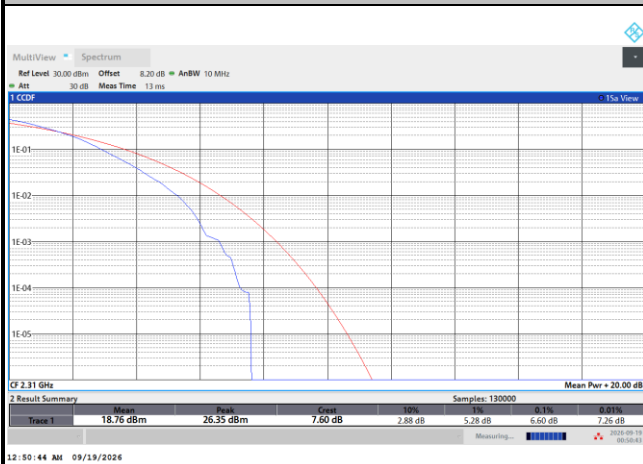
16QAM



64QAM



256QAM



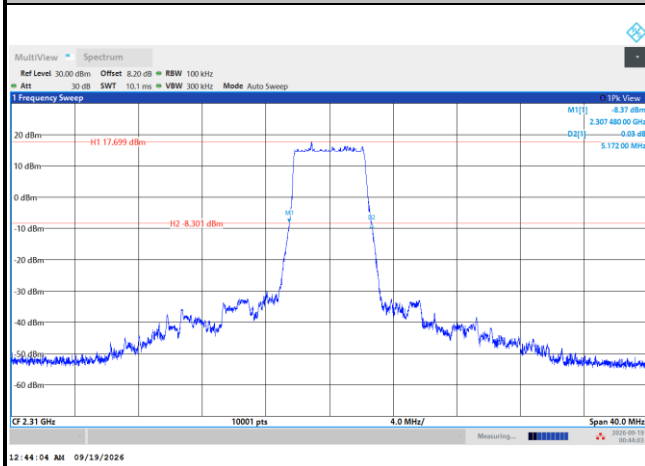
**26dB Bandwidth**

Mode	FR1 n30 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz					
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK				
Middle CH	5.17	5.11	9.77	9.84				
Mod.	16QAM		16QAM					
Middle CH	5.26		9.73					

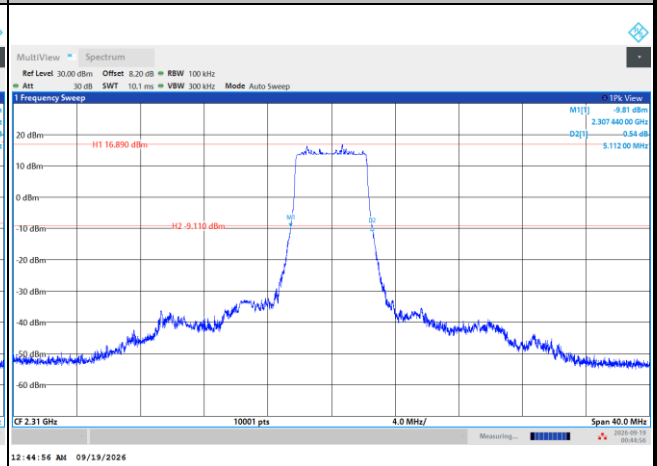


FR1 n30 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

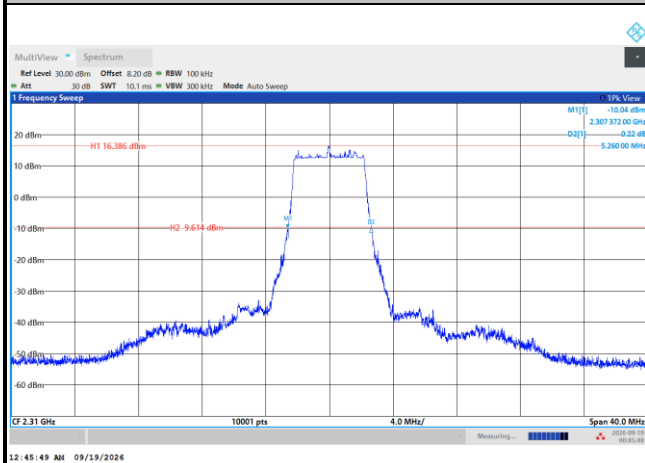
PI/2 BPSK



QPSK



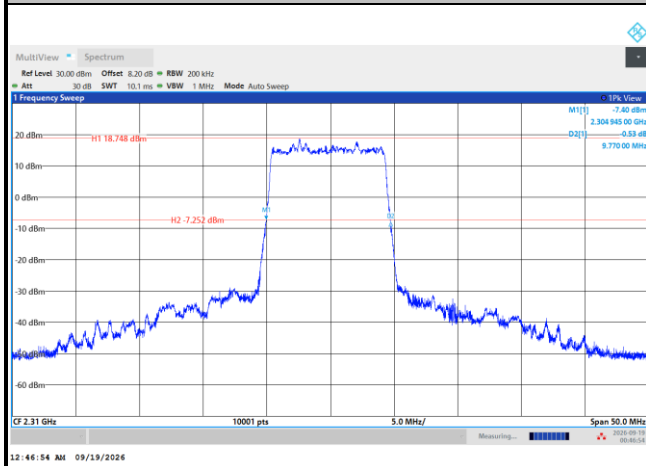
16QAM



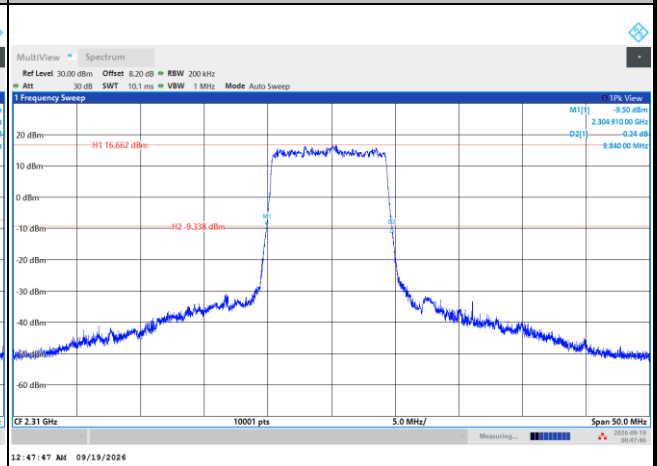


FR1 n30 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

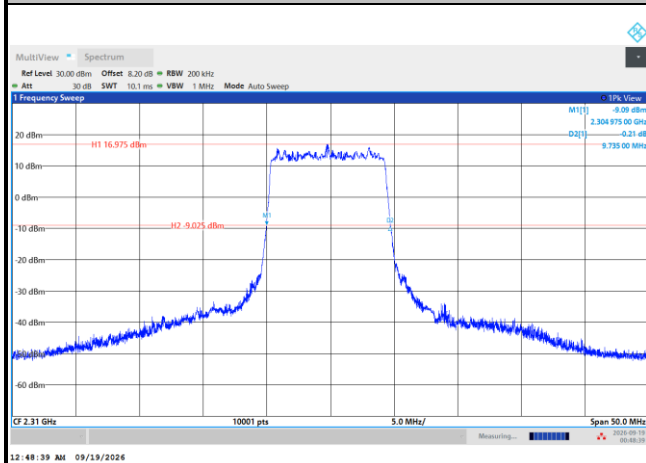
PI/2 BPSK



QPSK



16QAM



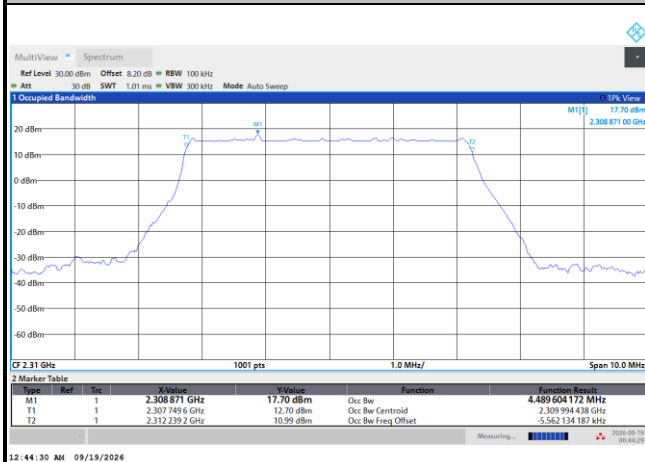
**Occupied Bandwidth**

Mode	FR1 n30 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz					
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK				
Middle CH	4.48	4.48	8.96	8.97				
Mod.	16QAM		16QAM					
Middle CH	4.51		8.98					



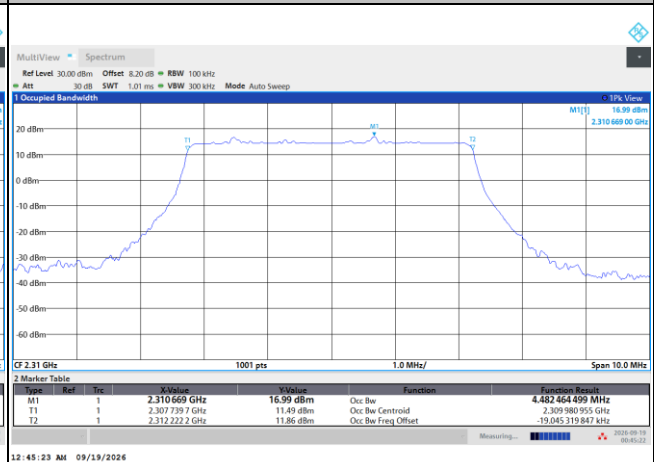
FR1 n30 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



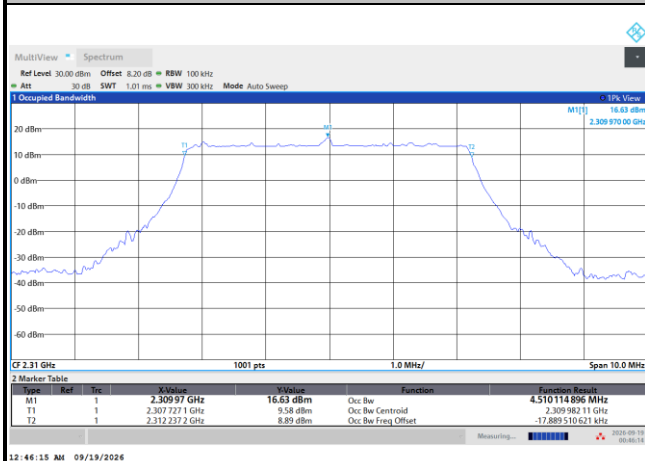
12:44:30 AM 09/19/2026

QPSK



12:45:23 AM 09/19/2026

16QAM

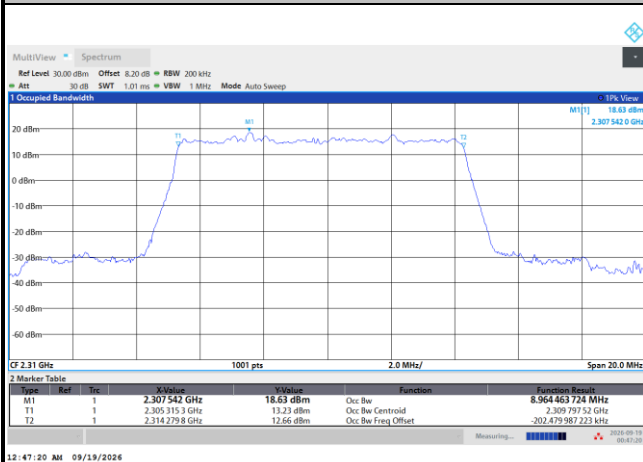


12:46:15 AM 09/19/2026



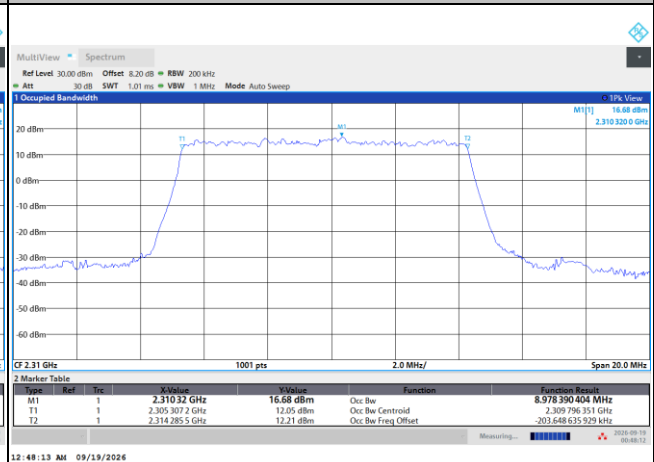
FR1 n30 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



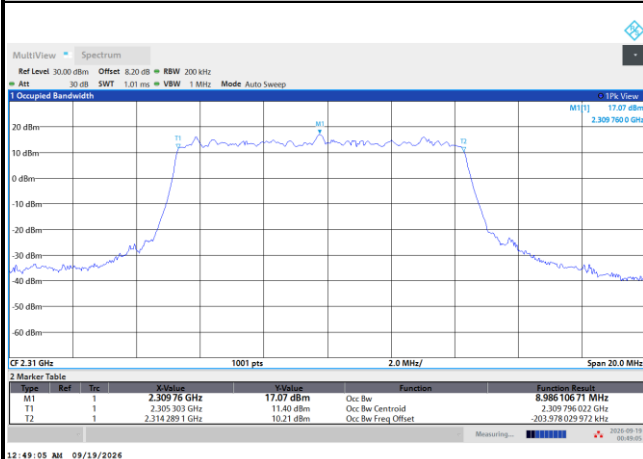
12:47:20 AM 09/19/2026

QPSK



12:48:13 AM 09/19/2026

16QAM



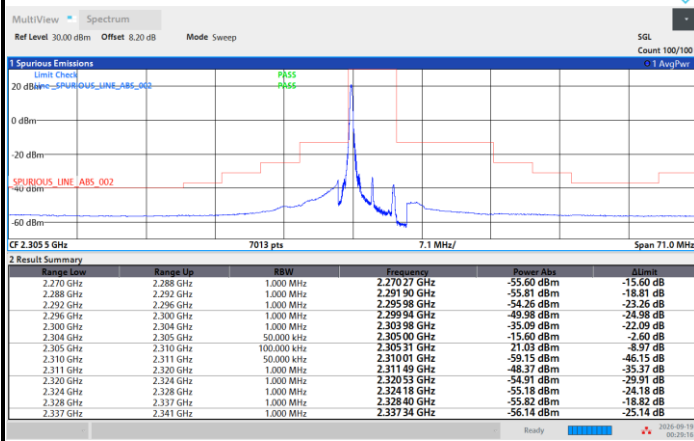
12:49:05 AM 09/19/2026

**Conducted Band Edge**

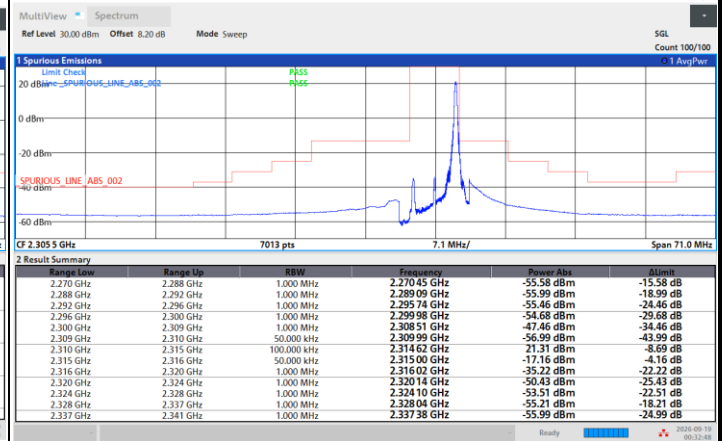
FR1 n30 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



12:29:17 AM 09/19/2026



12:32:48 AM 09/19/2026

Lowest Band Edge / 1RB0

Channel power -13dBm > -17.95dBm (PASS)



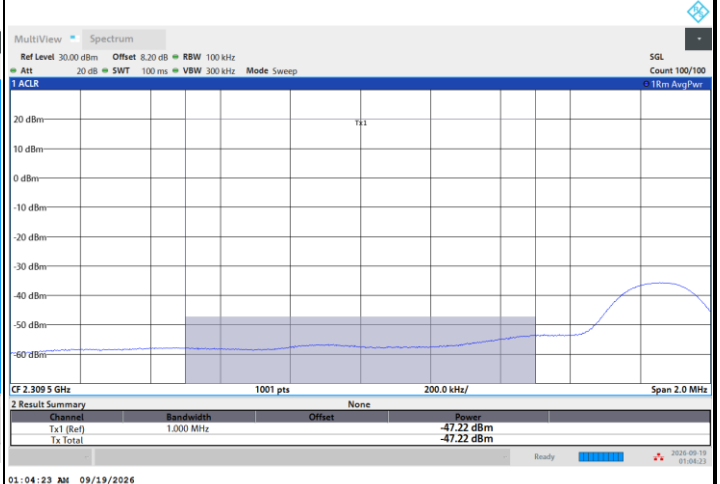
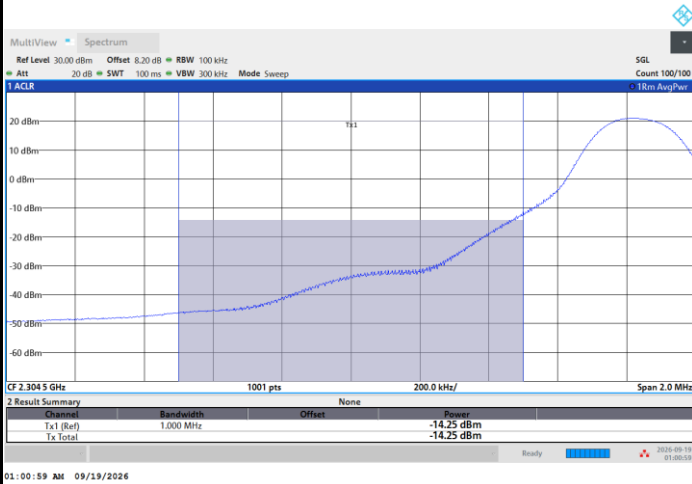
12:56:27 AM 09/19/2026



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

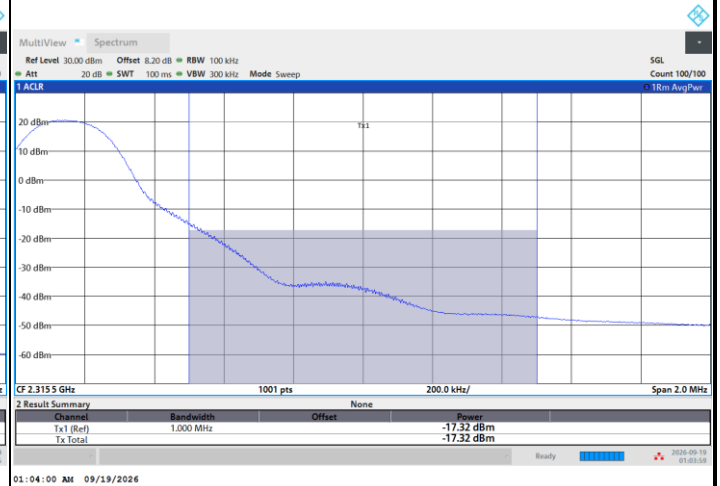
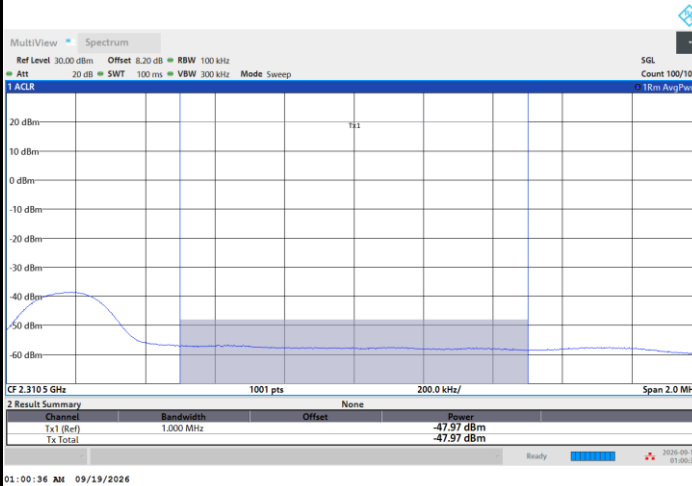
Lowest Band Edge / 1 RB / Lower zoom in

Highest Band Edge / 1 RB / Lower zoom in



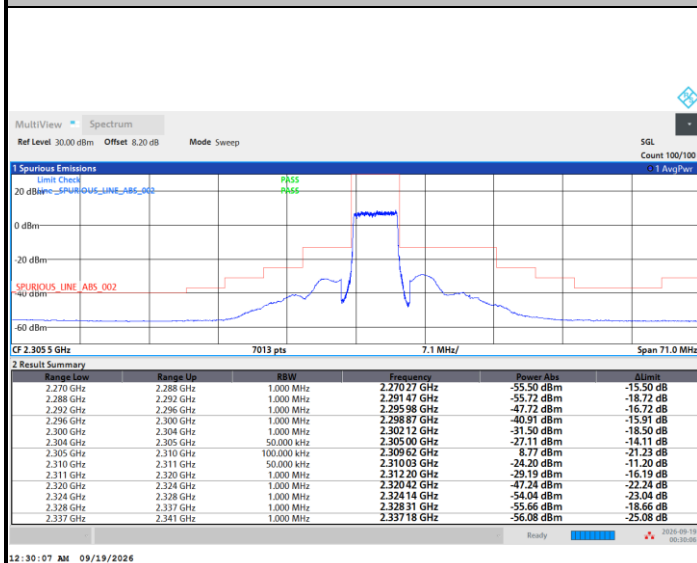
Lowest Band Edge / 1 RB / Upper zoom in

Highest Band Edge / 1 RB / Upper zoom in

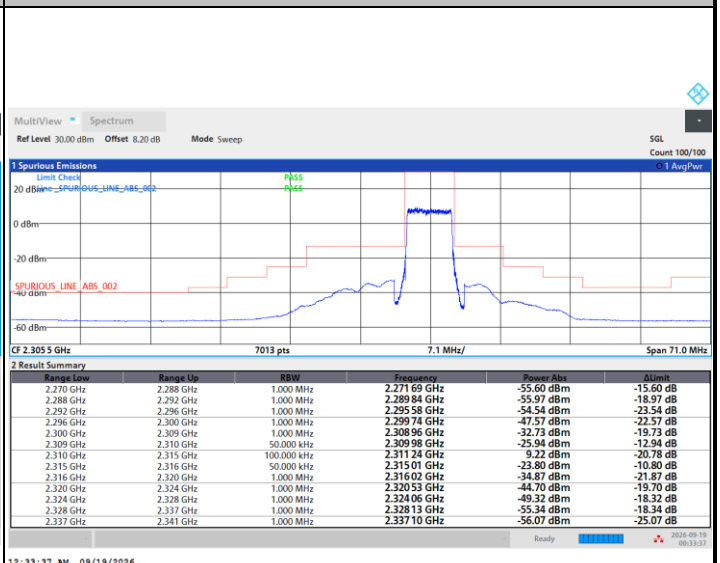




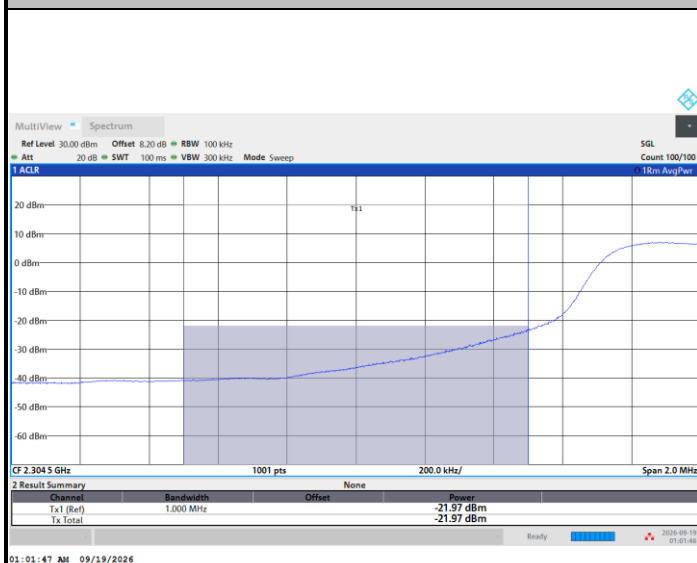
Lowest Band Edge / Full RB



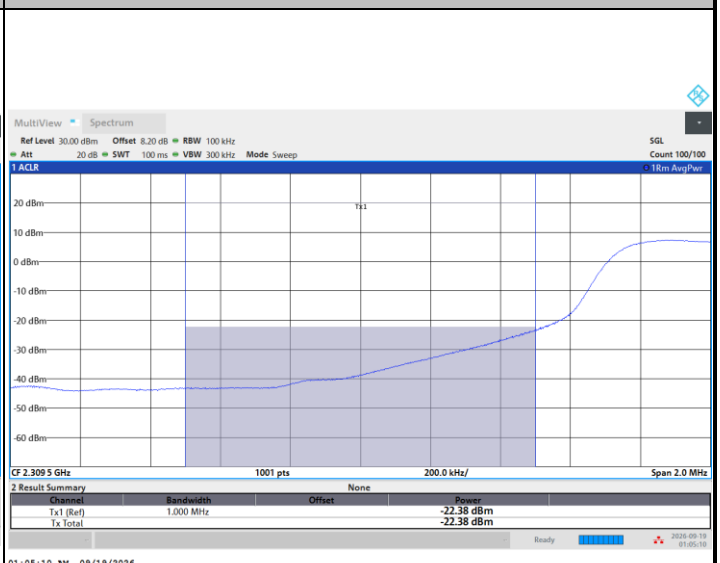
Highest Band Edge / Full RB



Lowest Band Edge / Full RB / Lower zoom in



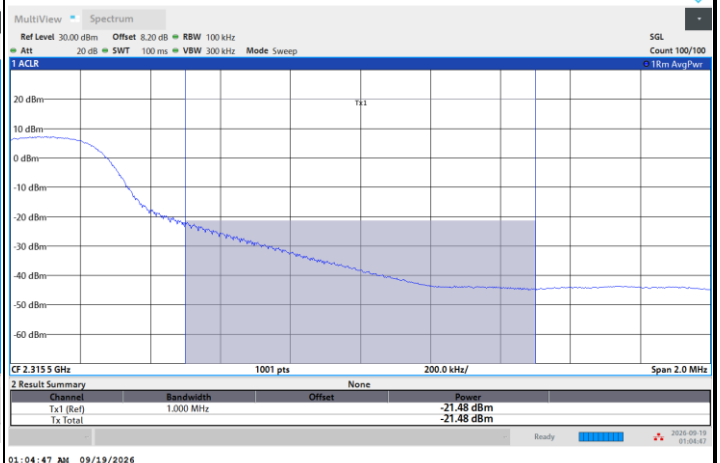
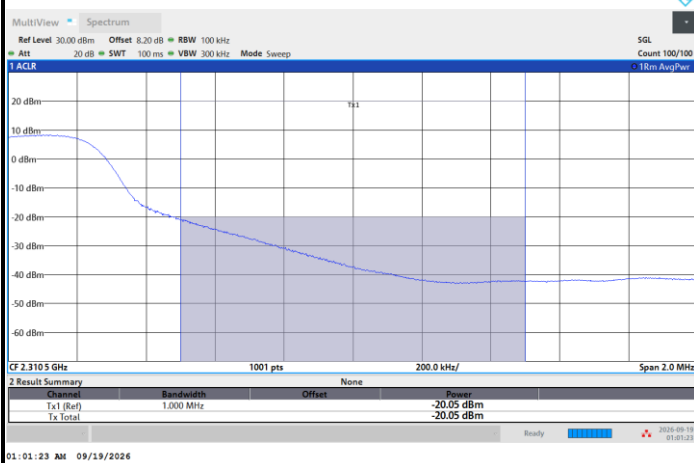
Highest Band Edge / Full RB / Lower zoom in





Lowest Band Edge / Full RB / Upper zoom in

Highest Band Edge / Full RB / Upper zoom in

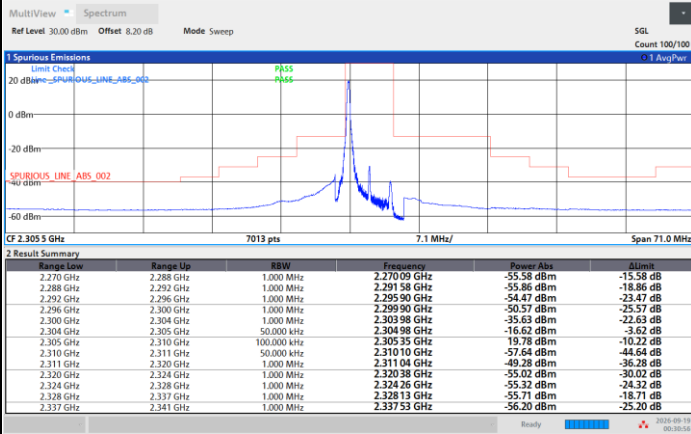




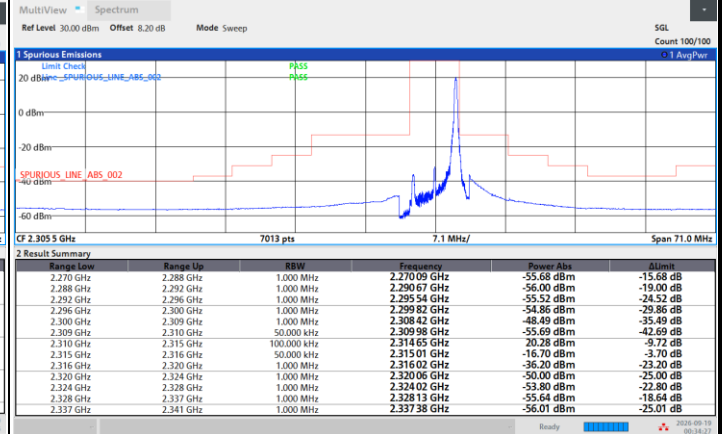
FR1 n30 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



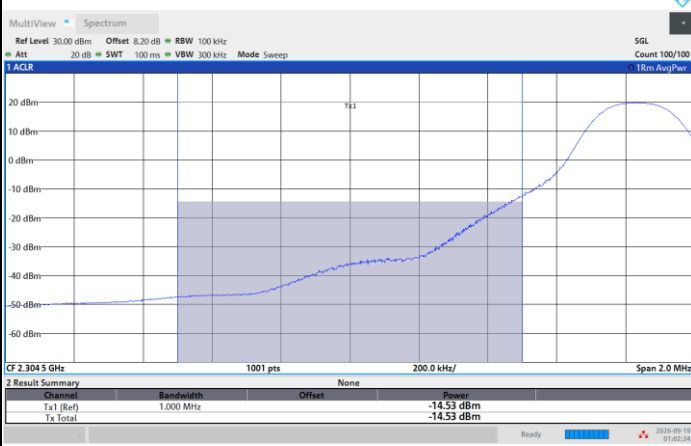
12:30:56 AM 09/19/2026



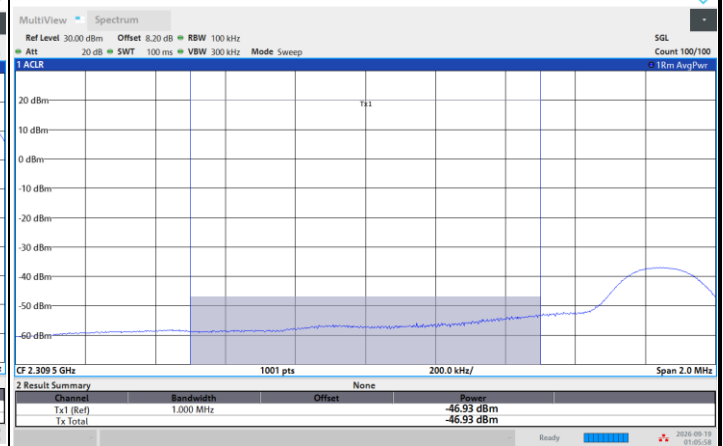
12:34:28 AM 09/19/2026

Lowest Band Edge / 1 RB / Lower zoom in

Highest Band Edge / 1 RB / Lower zoom in



01:02:35 AM 09/19/2026

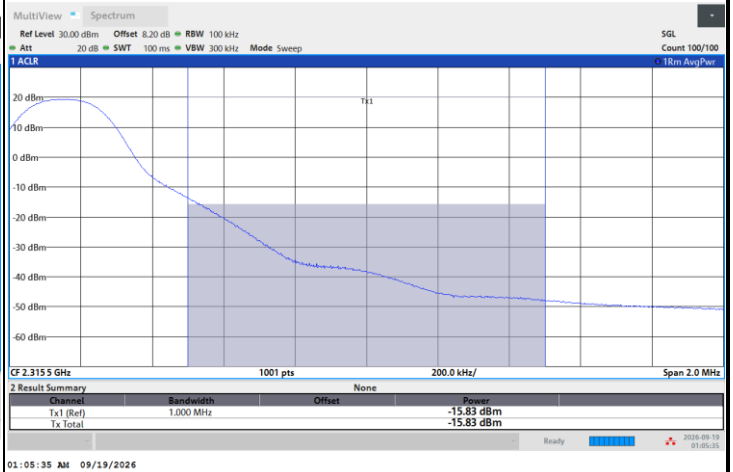
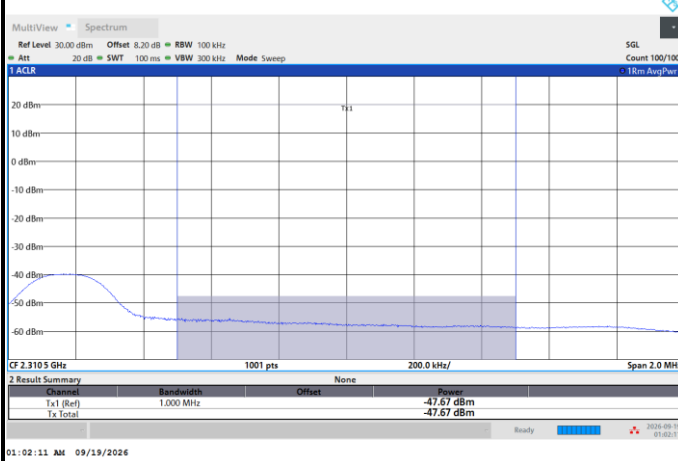


01:05:59 AM 09/19/2026



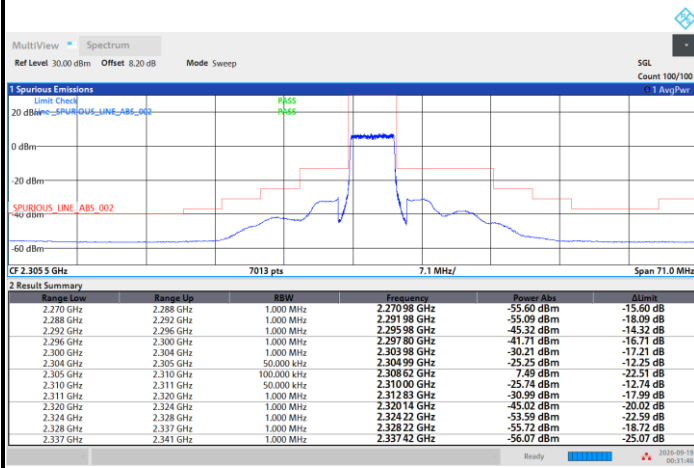
Lowest Band Edge / 1 RB / Upper zoom in

Highest Band Edge / 1 RB / Upper zoom in



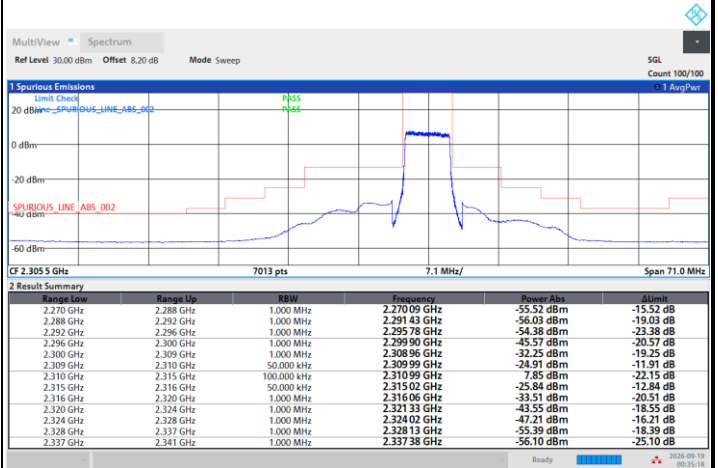


Lowest Band Edge / Full RB



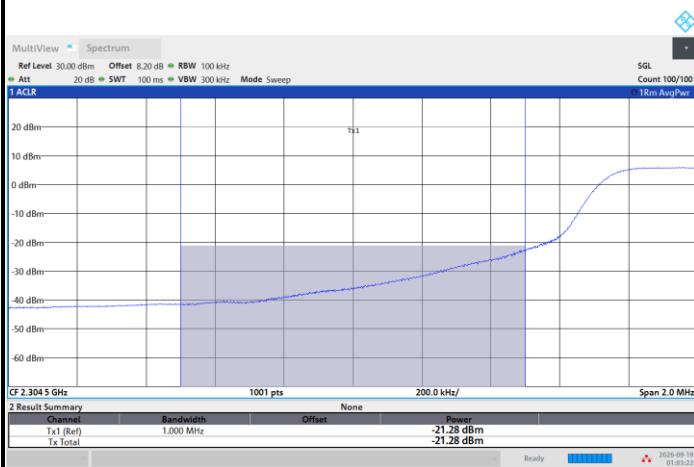
12:31:46 AM 09/19/2026

Highest Band Edge / Full RB



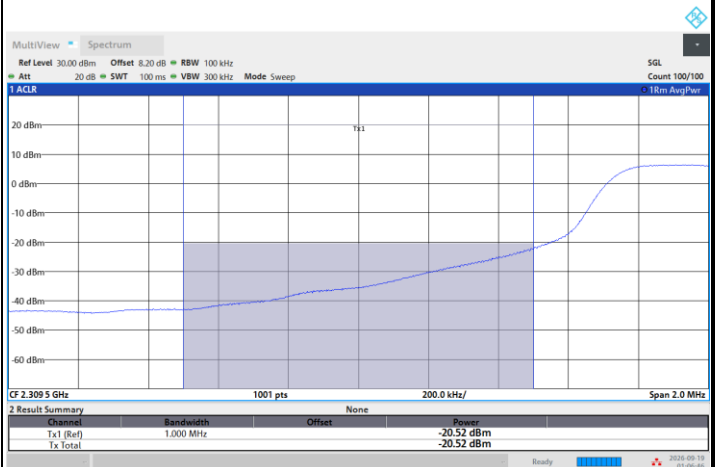
12:35:18 AM 09/19/2026

Lowest Band Edge / Full RB / Lower zoom in



01:03:22 AM 09/19/2026

Highest Band Edge / Full RB / Lower zoom in

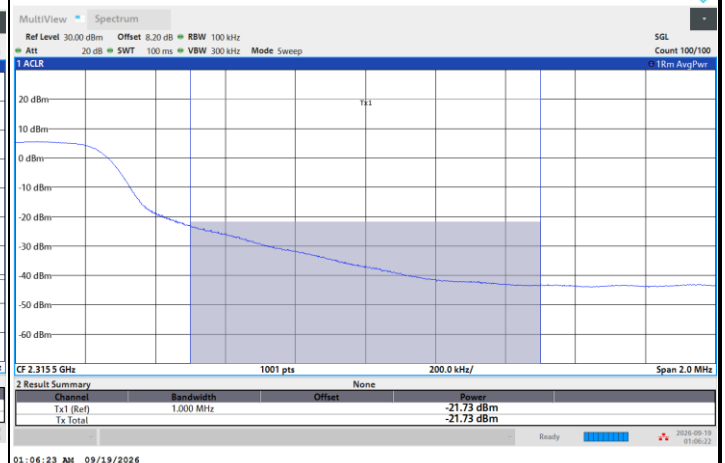
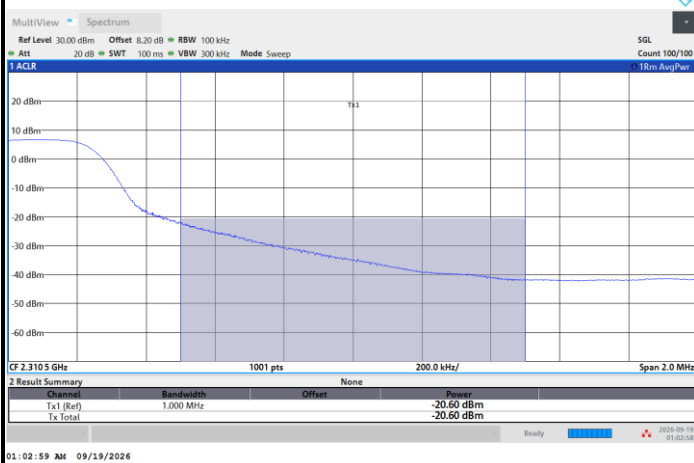


01:06:46 AM 09/19/2026



Lowest Band Edge / Full RB / Upper zoom in

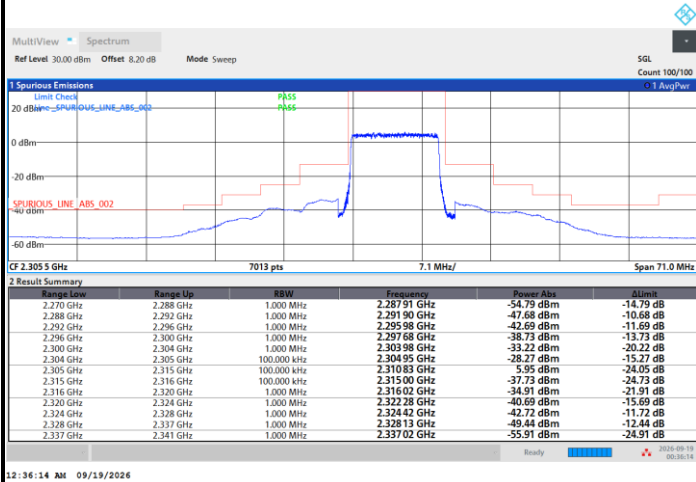
Highest Band Edge / Full RB / Upper zoom in



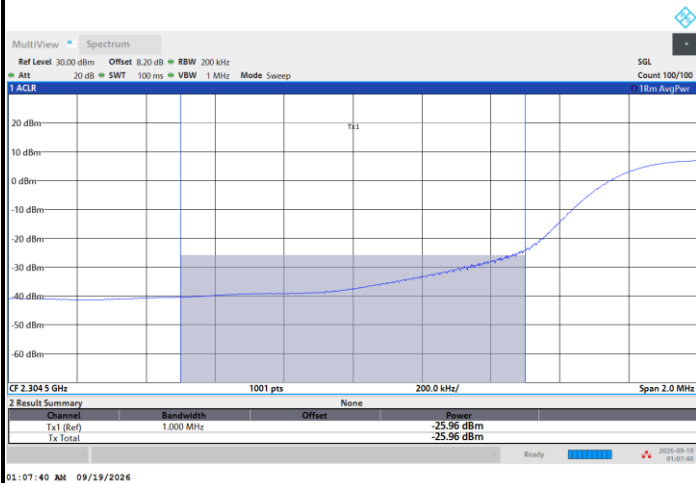


FR1 n30 / 10MHz / DFT-s-OFDM / PI/2 BPSK

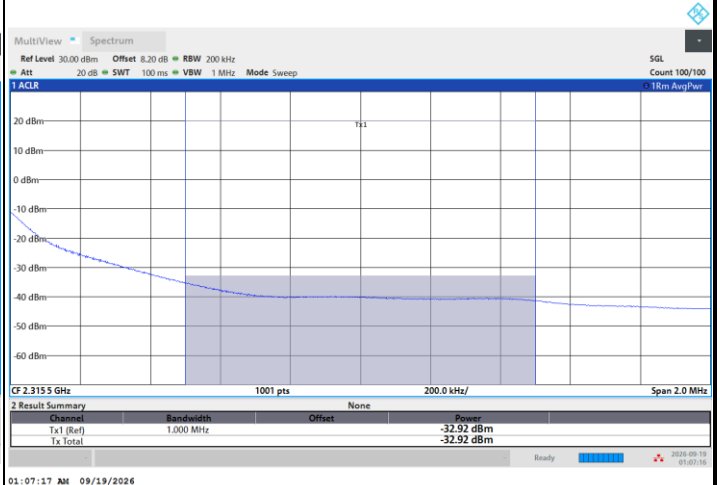
Middle Band Edge / Full RB



Middle Band Edge / Full RB / Lower zoom in



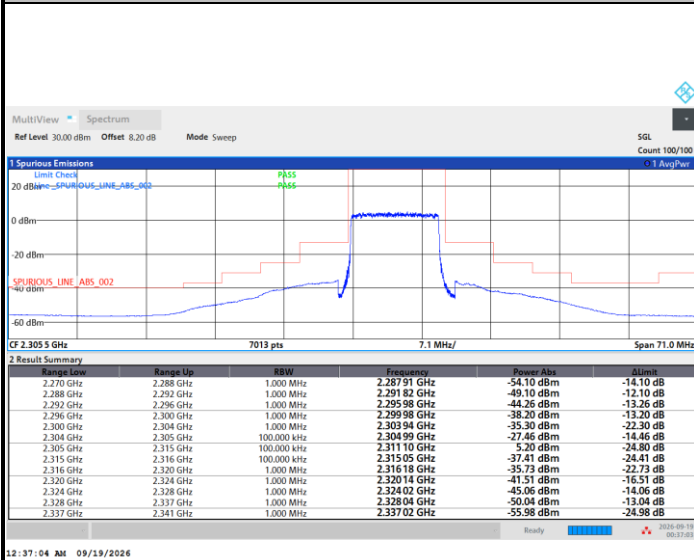
Middle Band Edge / Full RB / Upper zoom in



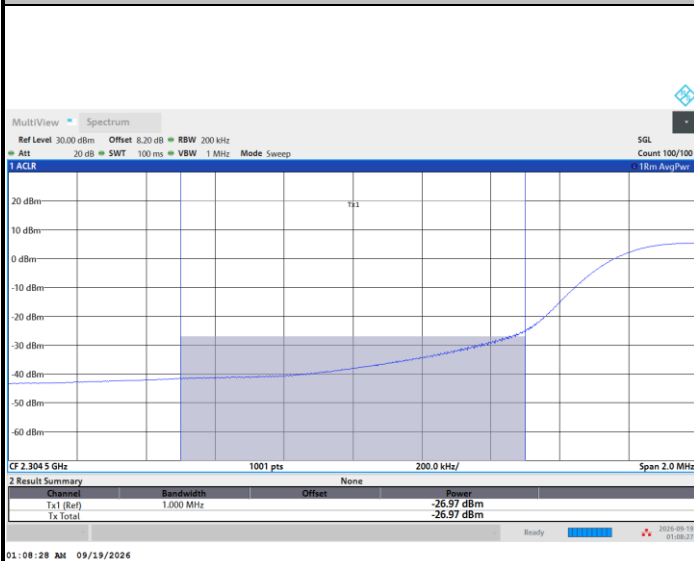


FR1 n30 / 10MHz / DFT-s-OFDM / QPSK

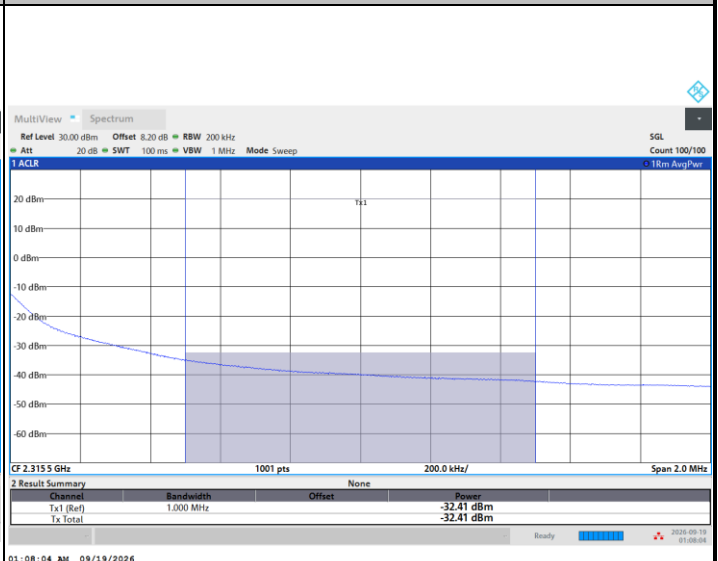
Middle Band Edge / Full RB



Middle Band Edge / Full RB / Lower zoom in



Middle Band Edge / Full RB / Upper zoom in

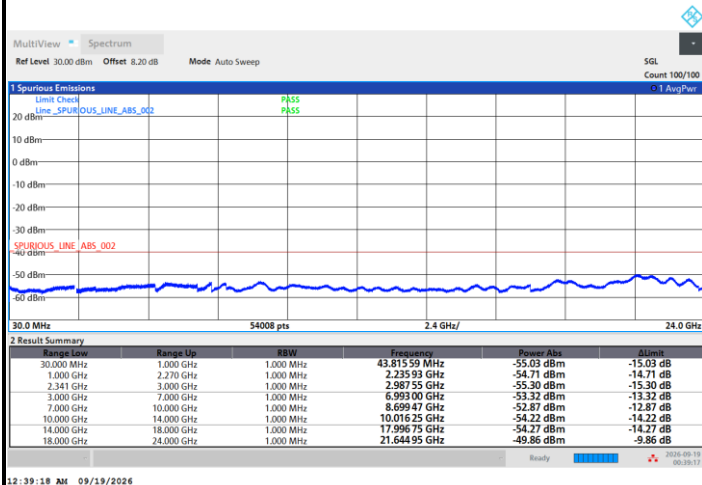




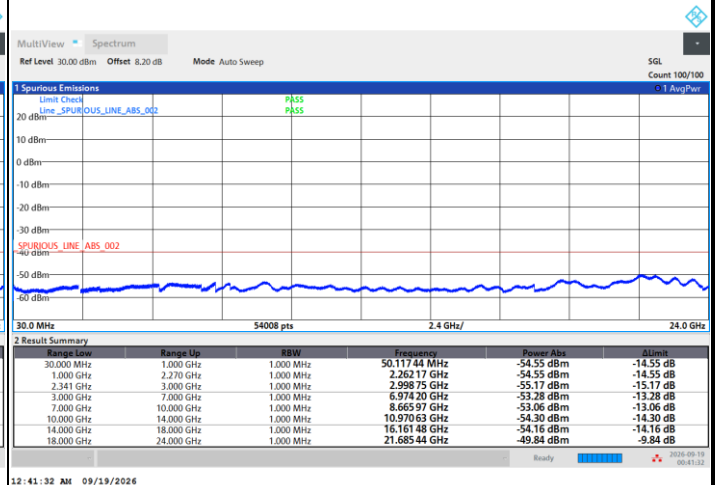
Conducted Spurious Emission

FR1 n30 / 5MHz / DFT-S OFDM / QPSK / 1RB1

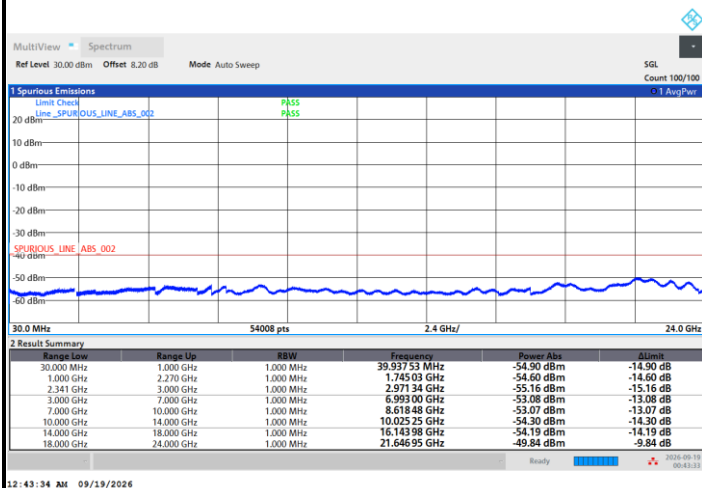
Lowest Channel



Middle Channel



Highest Channel



**Frequency Stability**

Test Conditions		FR1 n30 (BPSK) / Middle Channel 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0031	-7.2	Yes	PASS
40	Normal Voltage	0.0024	-5.5	Yes	
30	Normal Voltage	0.0038	-8.8	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0008	1.9	Yes	
0	Normal Voltage	0.0009	2.1	Yes	
-10	Normal Voltage	0.0023	-5.3	Yes	
-20	Normal Voltage	0.0025	-5.8	Yes	
-30	Normal Voltage	0.0025	5.7	Yes	
20	Maximum Voltage	0.0027	6.2	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0012	2.8	Yes	

Note:

1. Normal Voltage = 3.75 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.55 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 PA Reference Designator—ANT 1**

<SISO Mode>

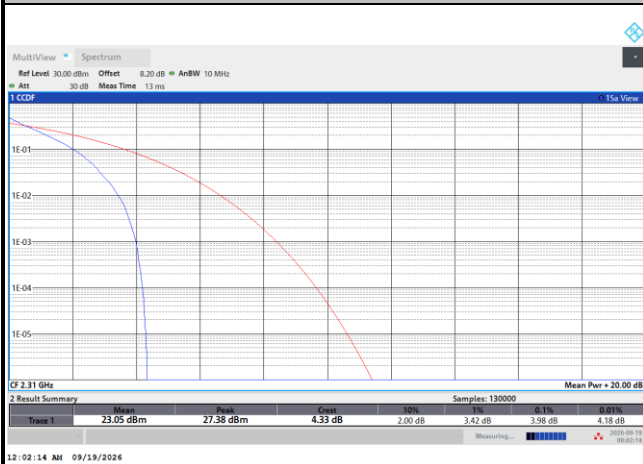
Peak-to-Average Ratio

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	3.98	4.48	5.52	5.78	PASS
Mode	FR1 n30 / 10MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.52				PASS

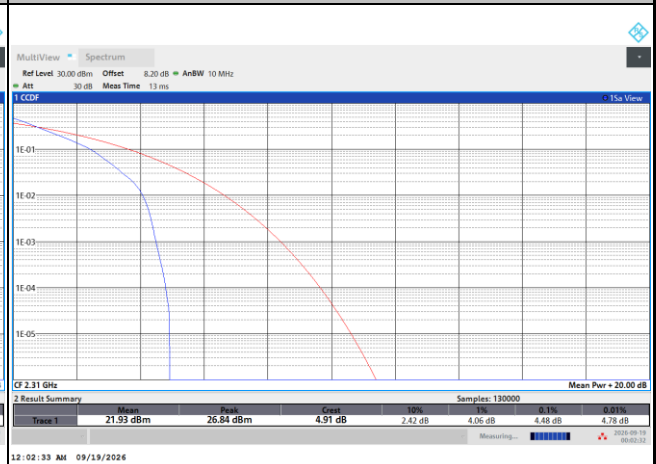


FR1 n30 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

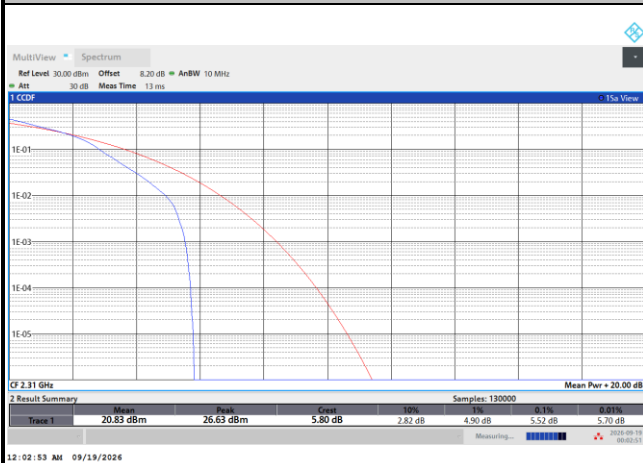
PI/2 BPSK



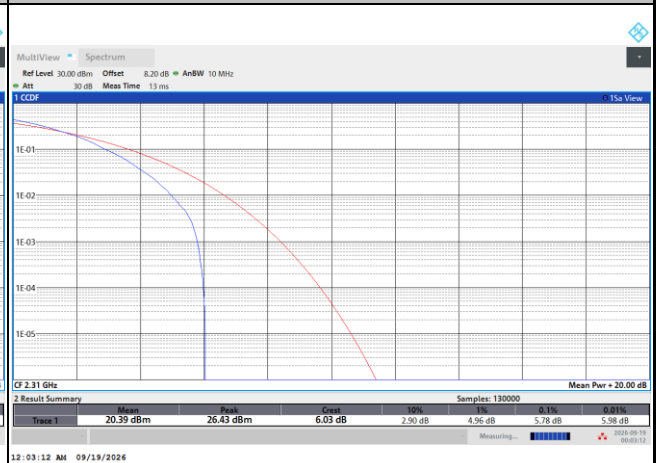
QPSK



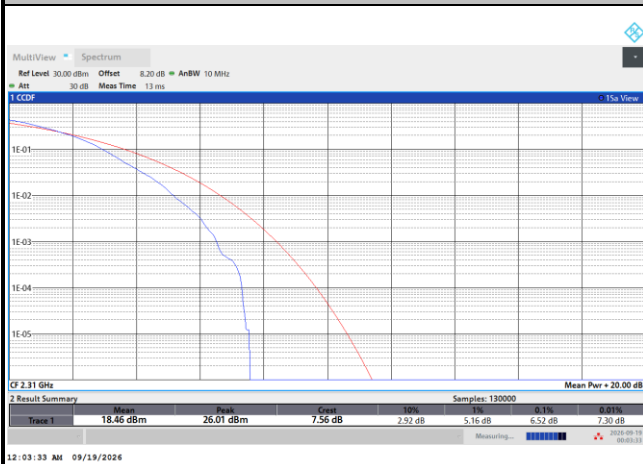
16QAM



64QAM



256QAM



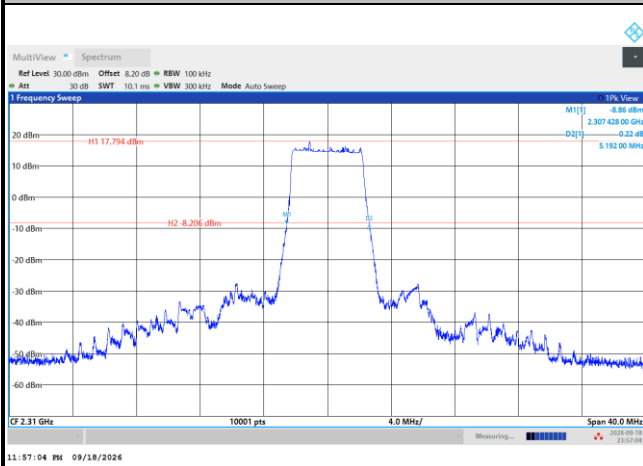
**26dB Bandwidth**

Mode	FR1 n30 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz					
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK				
Middle CH	5.19	5.10	9.84	9.83				
Mod.	16QAM		16QAM					
Middle CH	5.23		9.76					

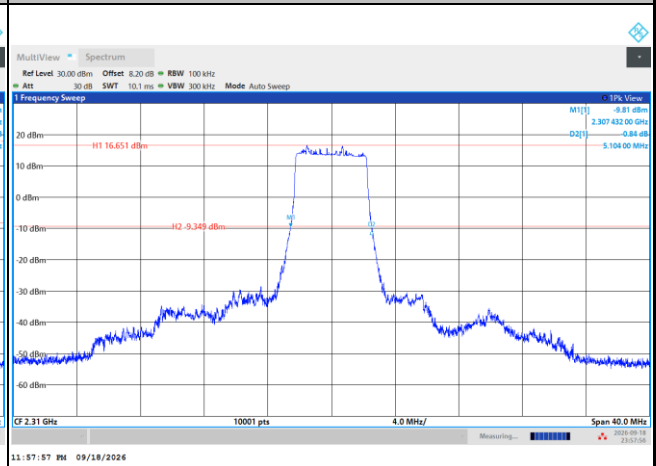


FR1 n30 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

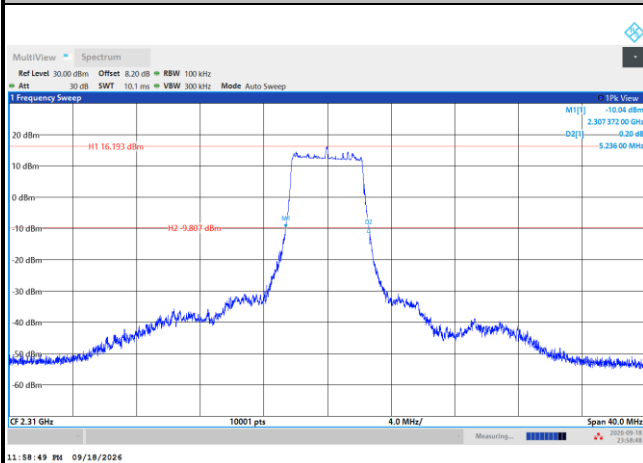
PI/2 BPSK



QPSK



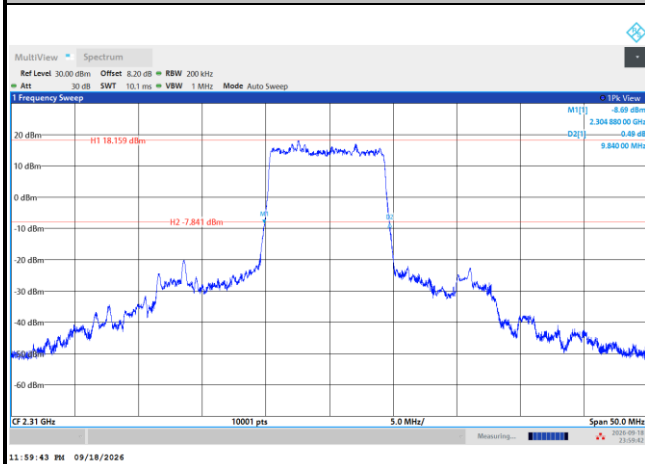
16QAM



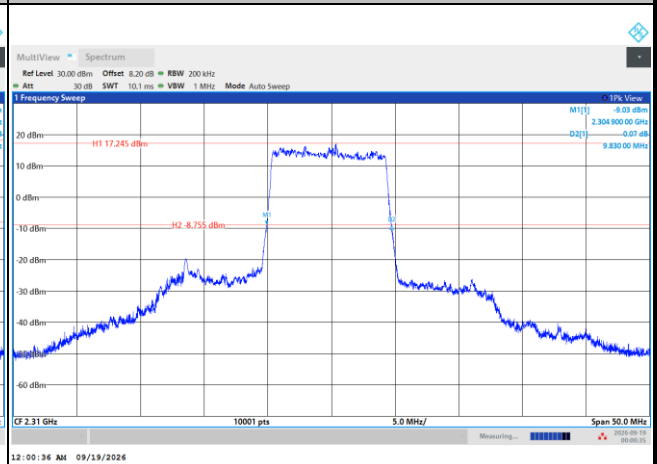


FR1 n30 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

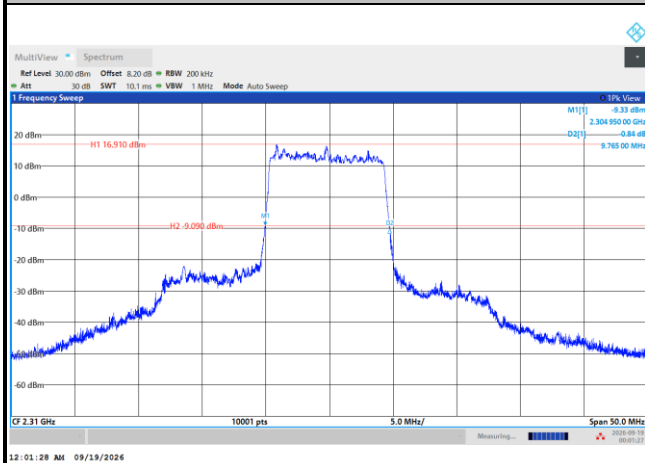
PI/2 BPSK



QPSK



16QAM



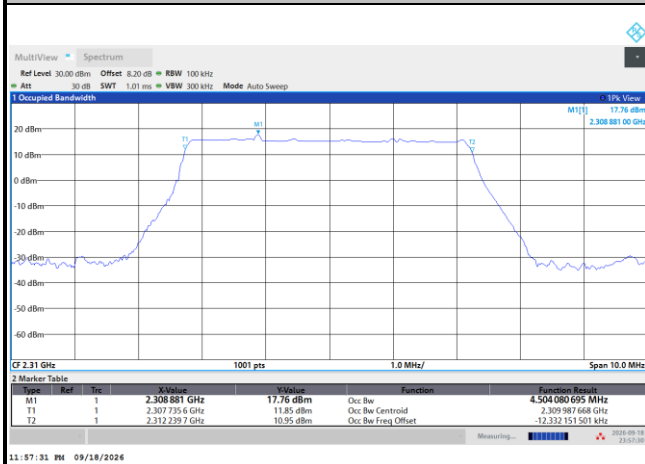
**Occupied Bandwidth**

Mode	FR1 n30 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz					
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK				
Middle CH	4.50	4.47	8.98	8.99				
Mod.	16QAM		16QAM					
Middle CH	4.51		9.00					



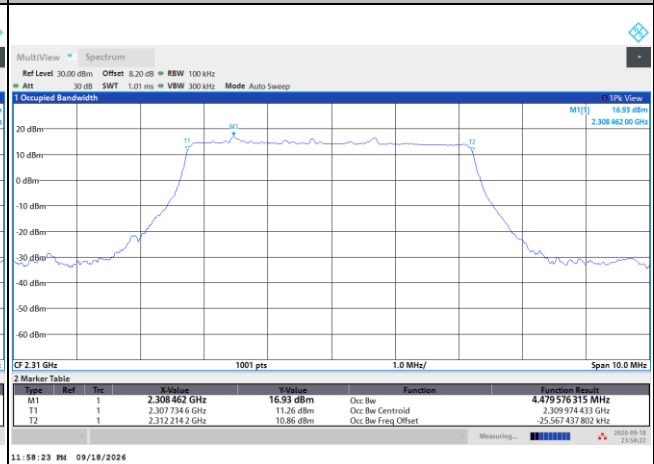
FR1 n30 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



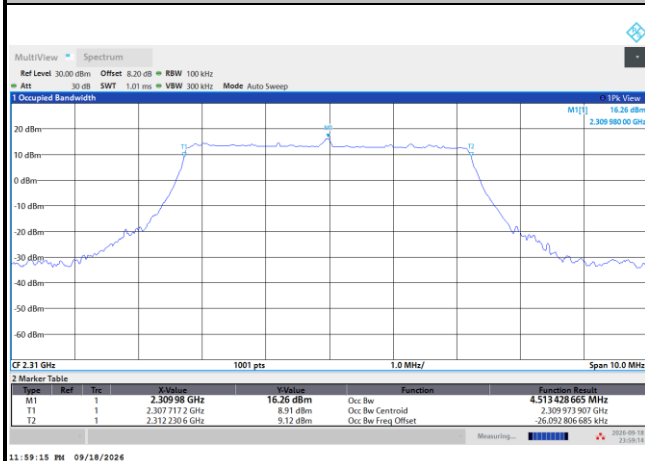
11:57:31 PM 09/18/2026

QPSK



11:58:23 PM 09/18/2026

16QAM

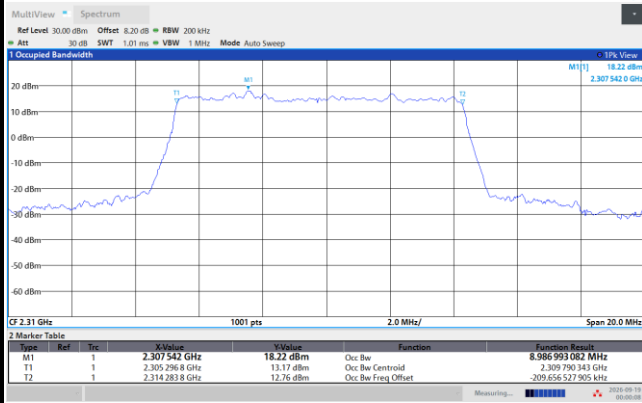


11:59:15 PM 09/18/2026



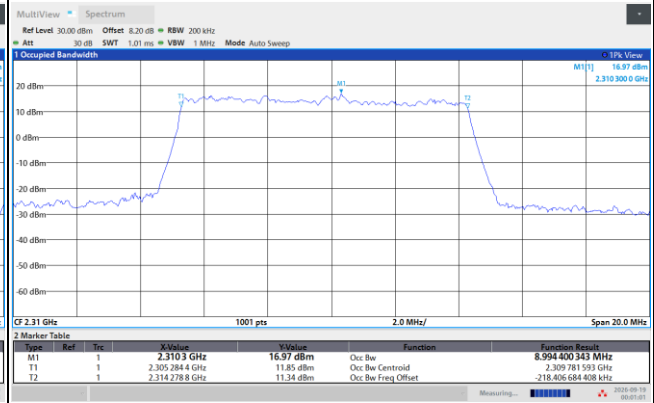
FR1 n30 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



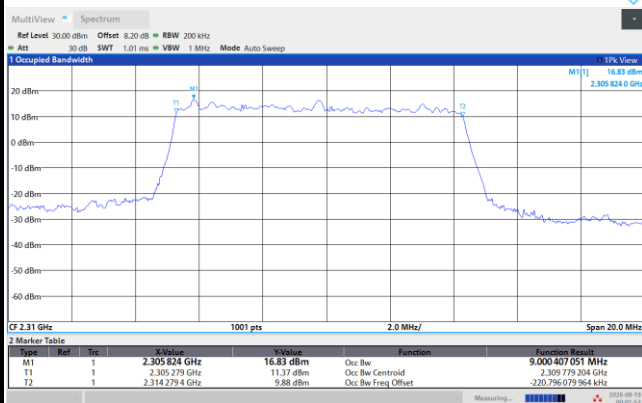
12:00:09 AM 09/19/2026

QPSK



12:01:02 AM 09/19/2026

16QAM



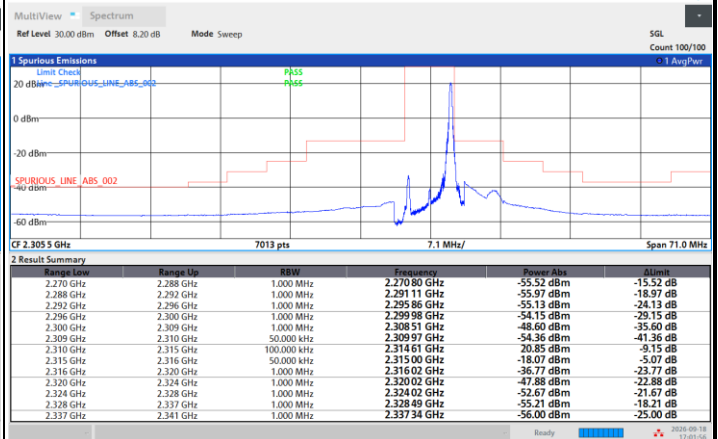
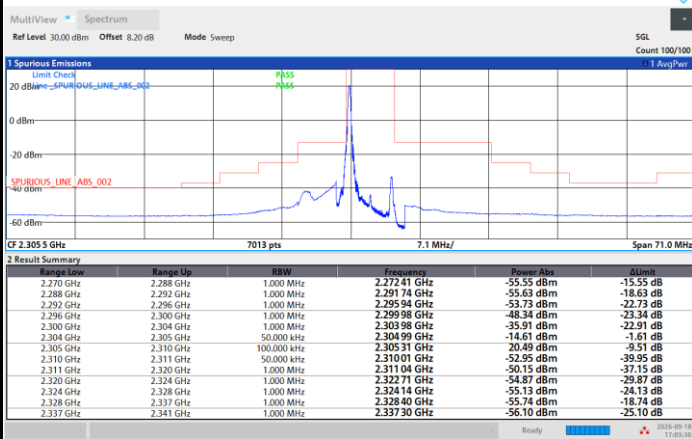
12:01:54 AM 09/19/2026

**Conducted Band Edge**

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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / 1RB0

Channel power -13dBm > -17.76dBm (PASS)

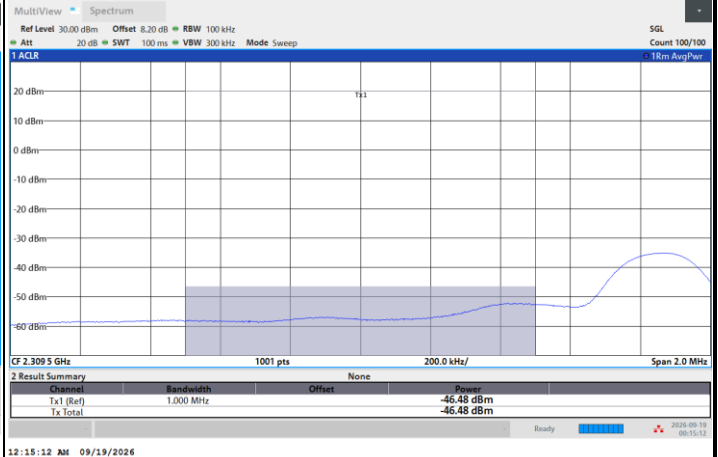
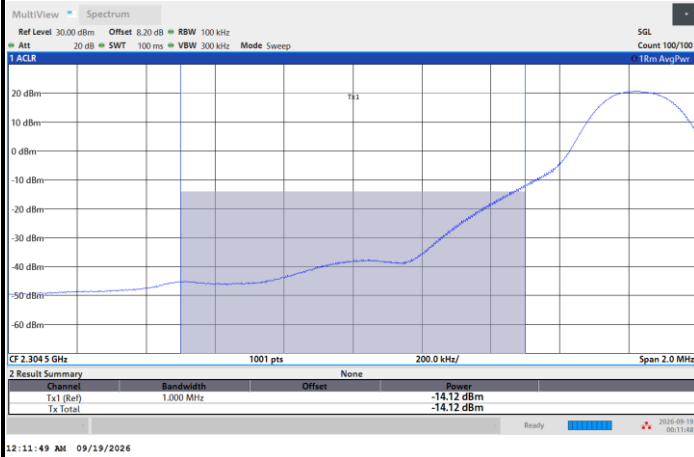




FR1 n30 / 5MHz / DFT-S OFDM / PI/2 BPSK

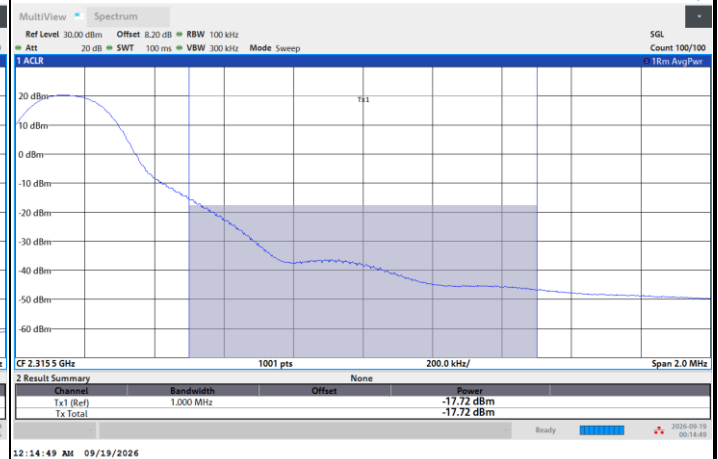
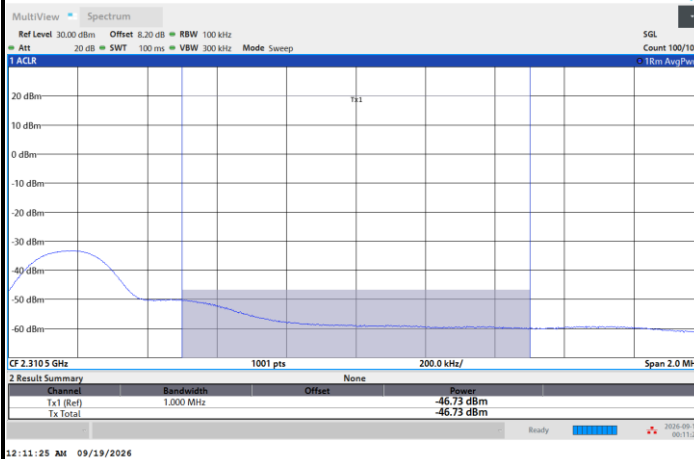
Lowest Band Edge / 1 RB / Lower zoom in

Highest Band Edge / 1 RB / Lower zoom in



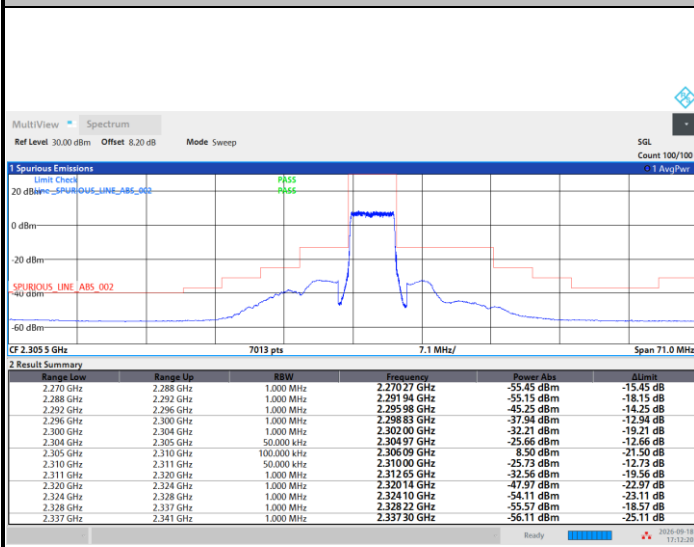
Lowest Band Edge / 1 RB / Upper zoom in

Highest Band Edge / 1 RB / Upper zoom in

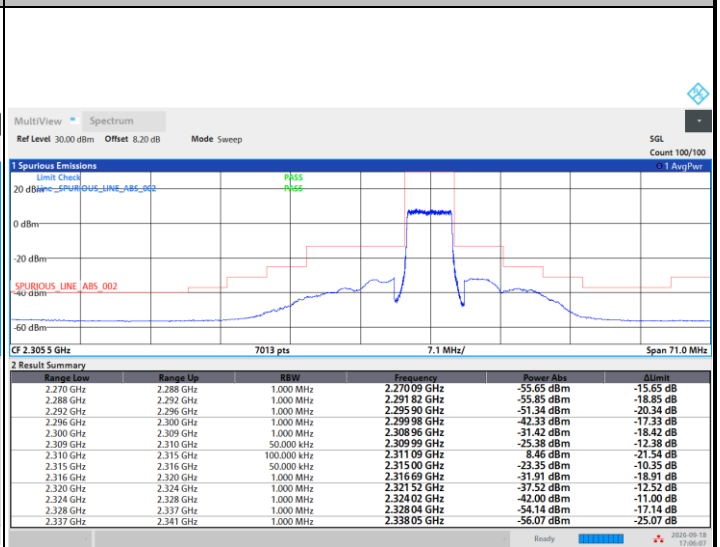




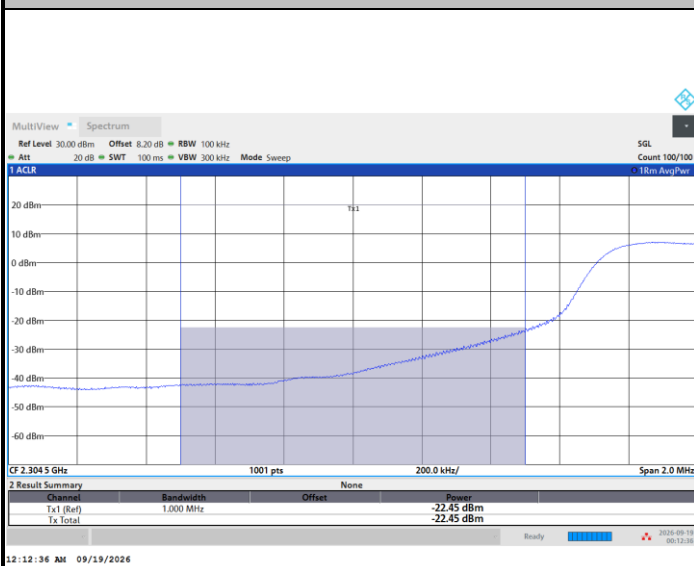
Lowest Band Edge / Full RB



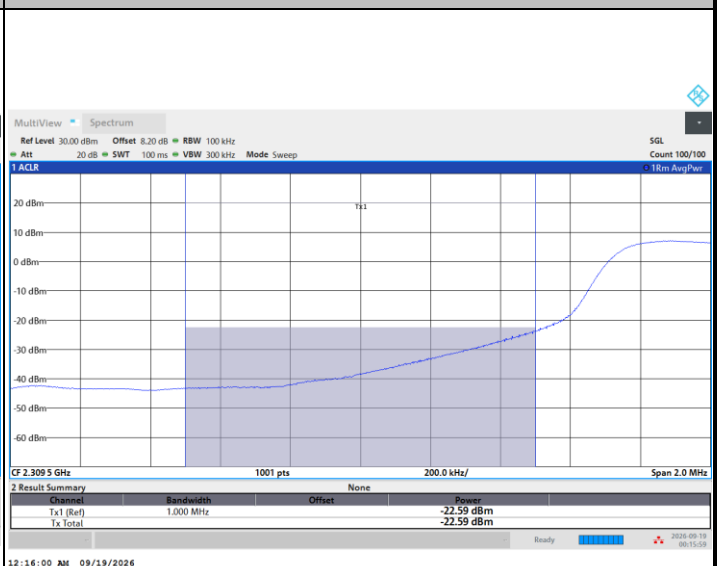
Highest Band Edge / Full RB



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

