

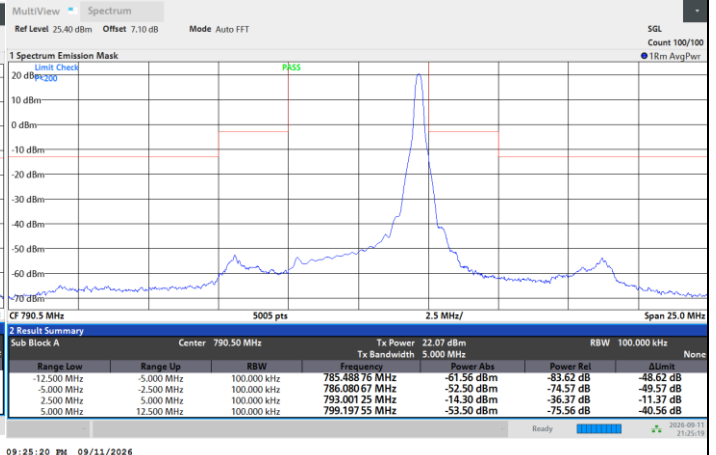
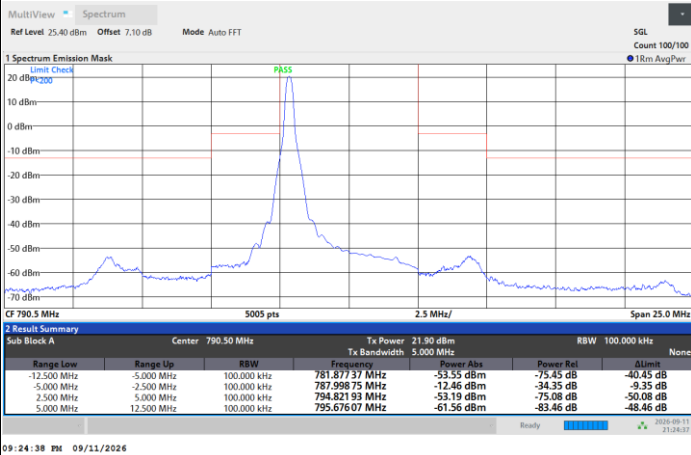


FR1 n14 / 5MHz / DFT-S OFDM / QPSK

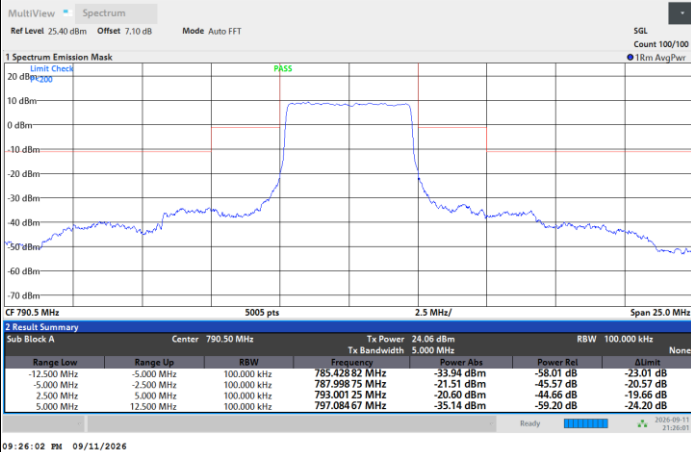
Lowest Channel

1RB0

1RBmax



Full RB



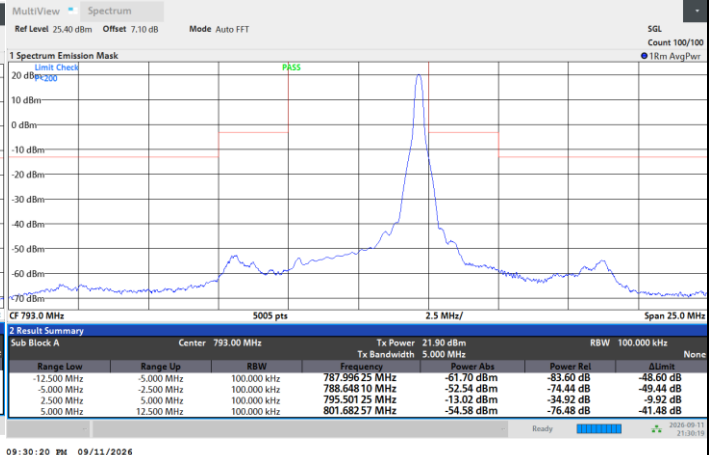
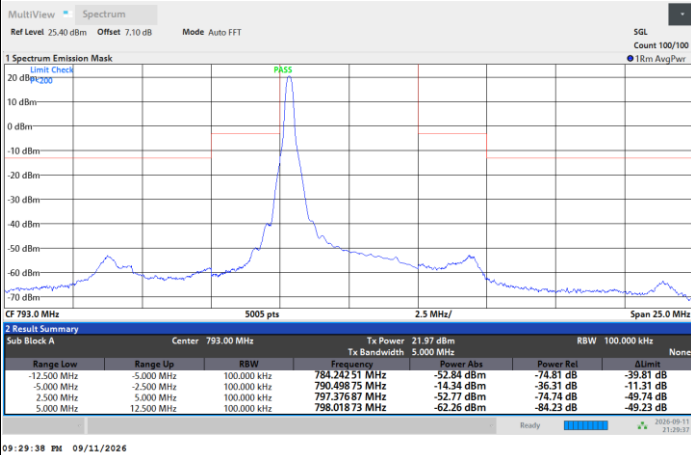


FR1 n14 / 5MHz / DFT-S OFDM / QPSK

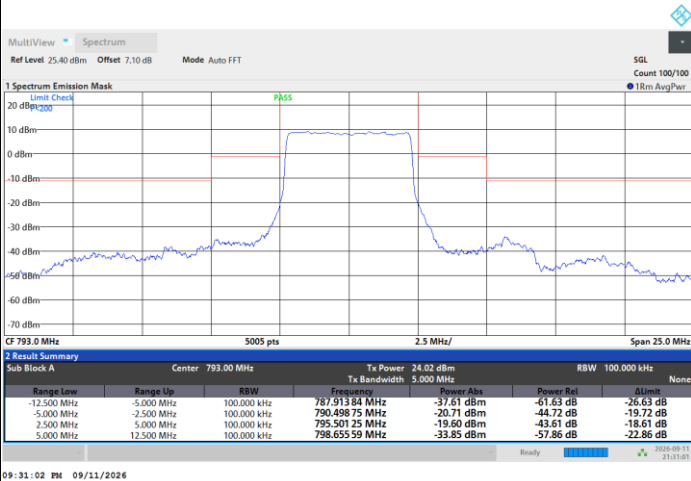
Middle Channel

1RB0

1RBmax



Full RB



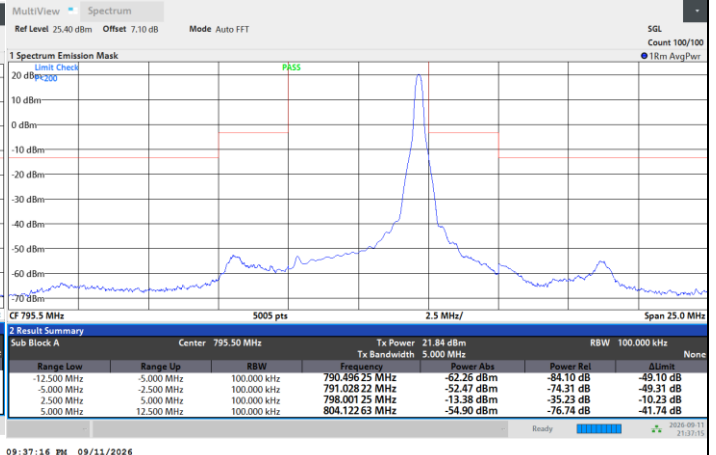
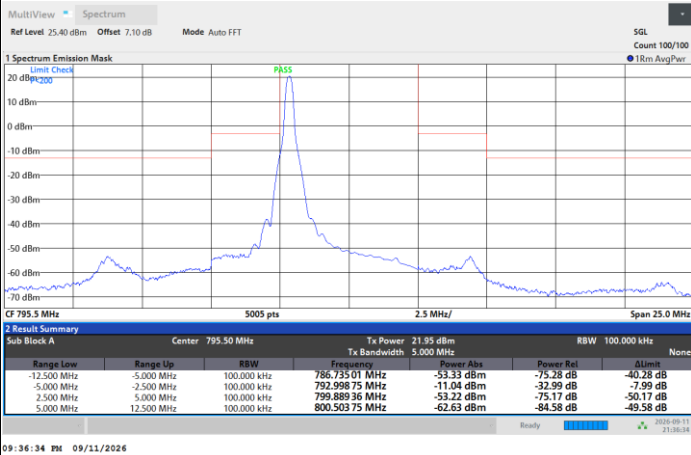


FR1 n14 / 5MHz / DFT-S OFDM / QPSK

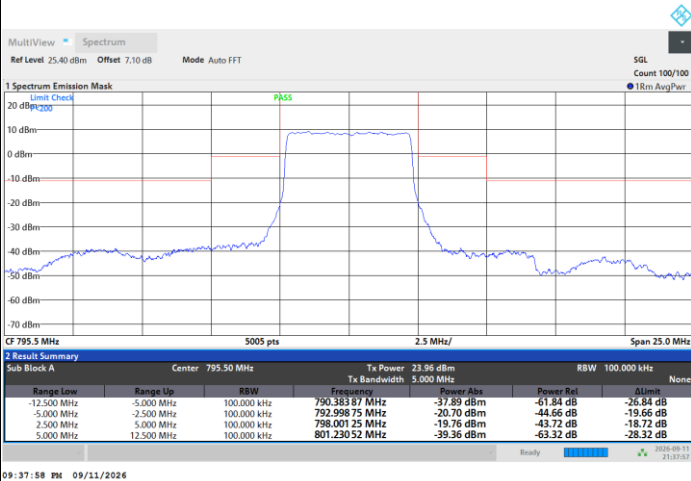
Highest Channel

1RB0

1RBmax



Full RB

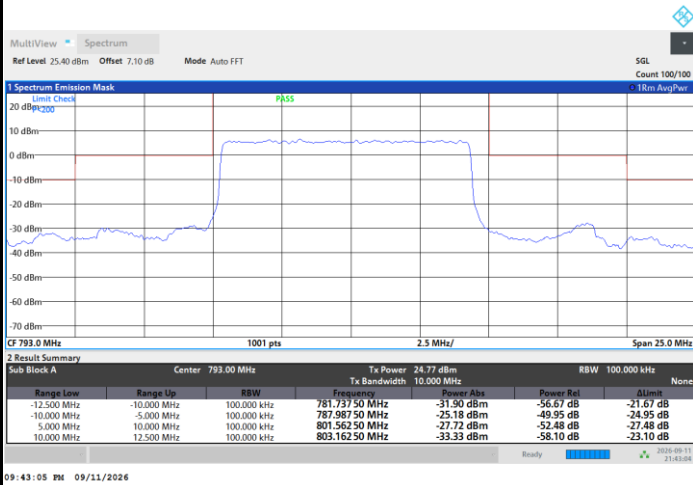




FR1 n14 / 10MHz / DFT-S OFDM / BPSK

Middle Channel

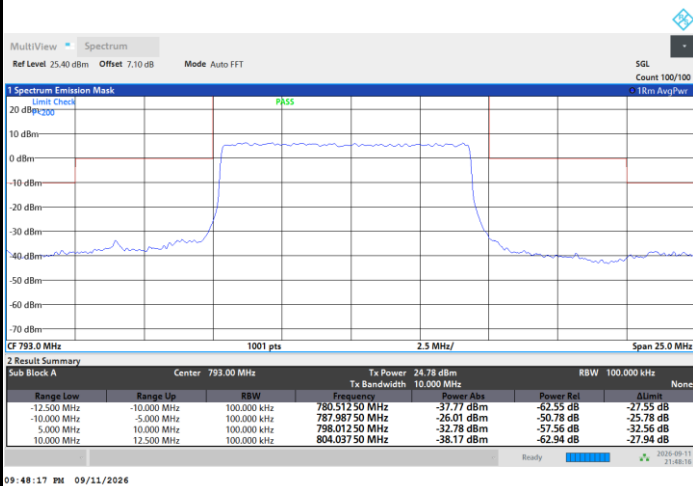
Full RB



FR1 n14 / 10MHz / DFT-S OFDM / QPSK

Middle Channel

Full RB



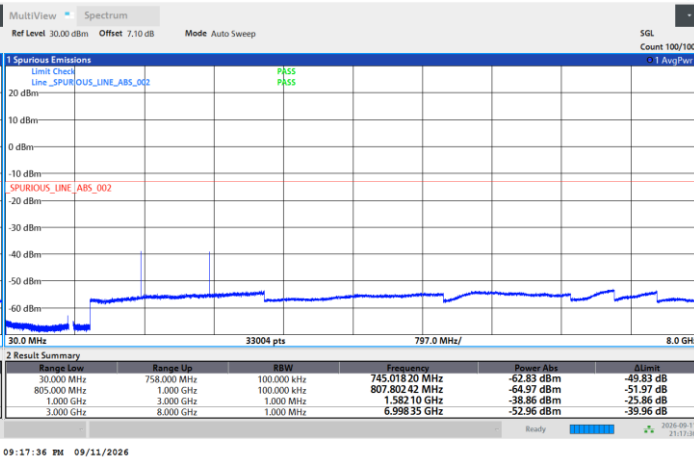
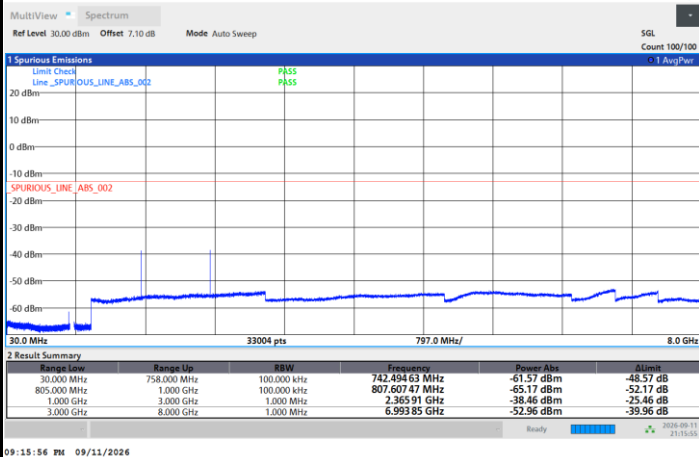


Conducted Spurious Emission

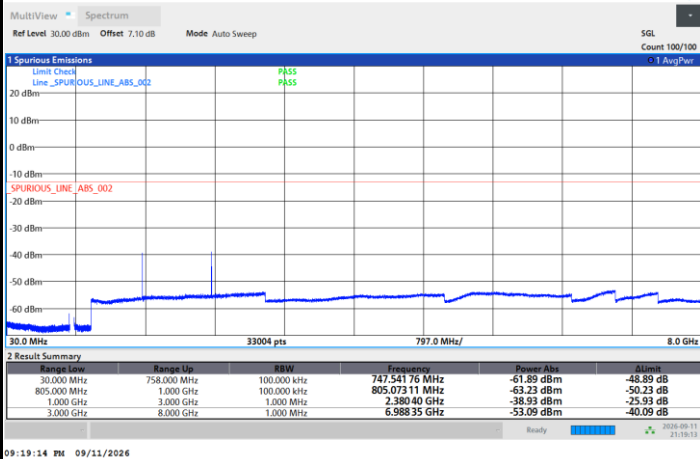
FR1 n14 / 5MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n14 (BPSK) / Middle Channel 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0010	-0.8	Yes	PASS
40	Normal Voltage	0.0000	0	Yes	
30	Normal Voltage	0.0082	6.5	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0005	-0.4	Yes	
0	Normal Voltage	0.0005	-0.4	Yes	
-10	Normal Voltage	0.0040	-3.2	Yes	
-20	Normal Voltage	0.0154	12.2	Yes	
-30	Normal Voltage	0.0130	10.3	Yes	
20	Maximum Voltage	0.0127	10.1	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0103	8.2	Yes	

$|\text{MAX}(\Delta f)| = 12.2\text{Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	788.179985	$\geq 788 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	797.610015	$\leq 798 \text{ MHz}$	

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 n25 for Main PA—ANT3

<SISO Mode>

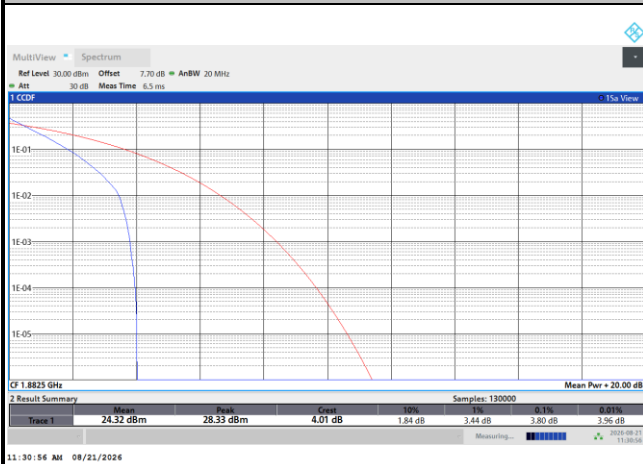
Peak-to-Average Ratio

Mode	FR1 n25 / 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	3.80	4.38	5.40	5.78	PASS
Mode	FR1 n25 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.66				PASS

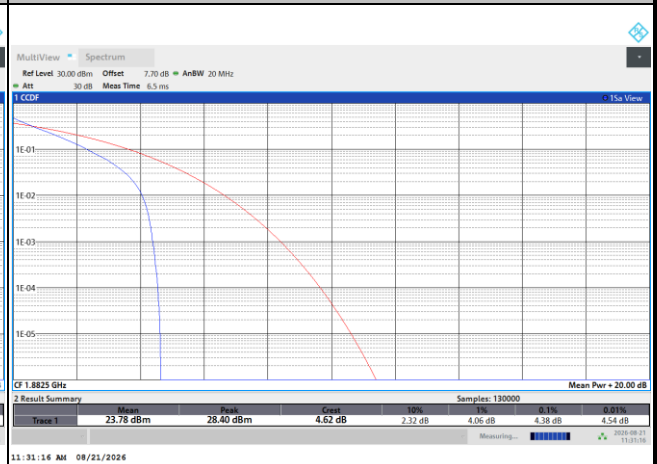


FR1 n25 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

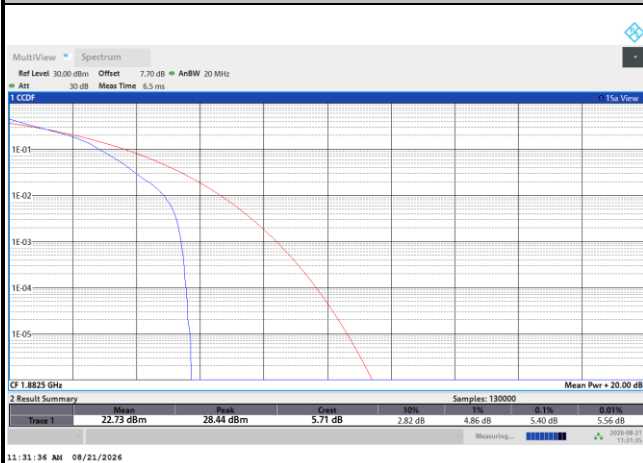
PI/2 BPSK



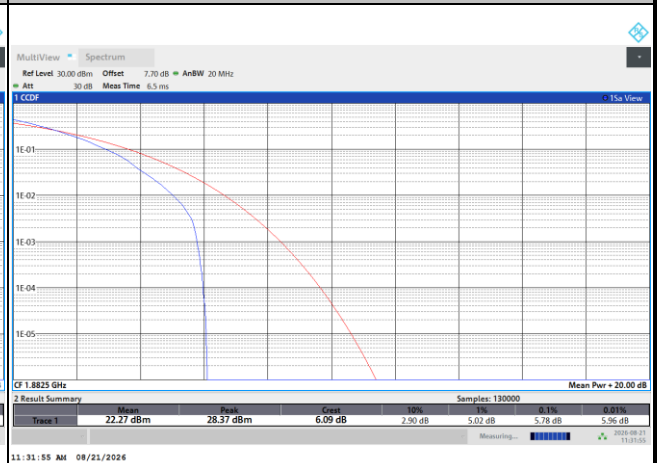
QPSK



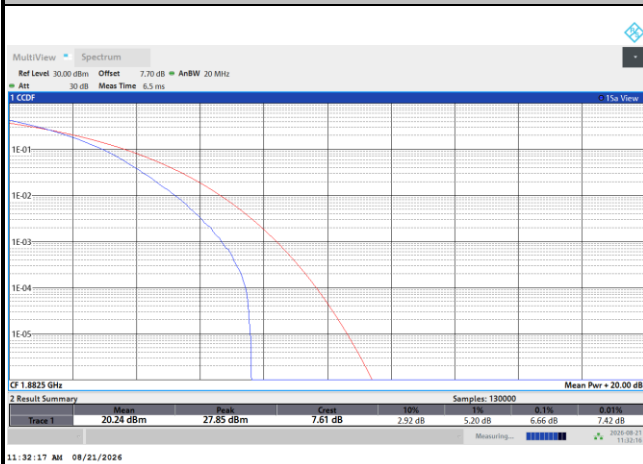
16QAM



64QAM



256QAM



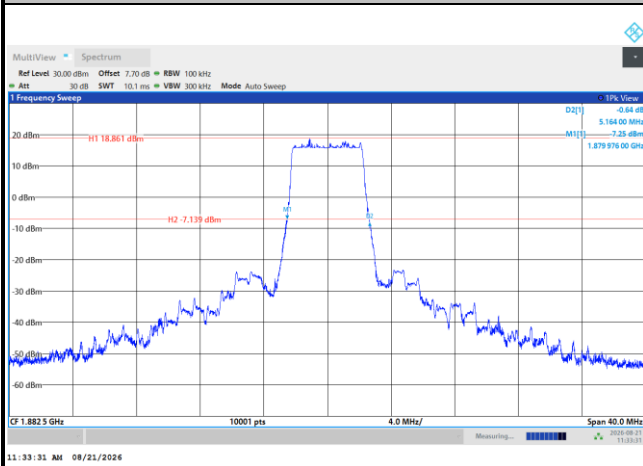
**26dB Bandwidth**

Mode	FR1 n25 : 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	5.16	5.22	9.76	9.91	14.56	14.61	19.32	19.33
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	5.19		9.87		14.52		19.42	
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	24.40	24.37	31.19	31.30	34.64	34.69	41.10	41.28
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	24.38		31.00		34.71		41.17	



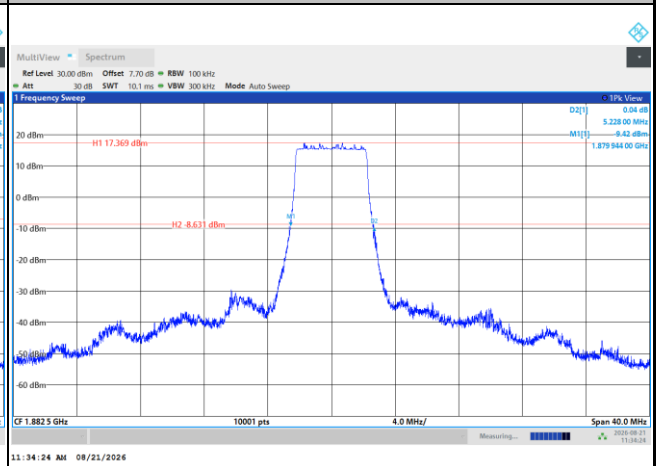
FR1 n25 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



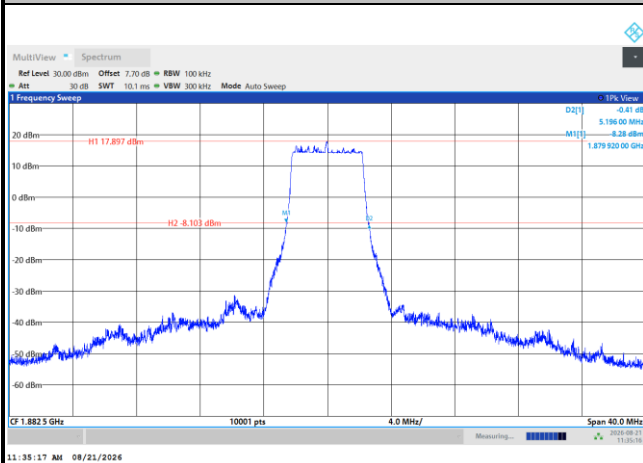
11:33:31 AM 08/21/2026

QPSK



11:34:24 AM 08/21/2026

16QAM

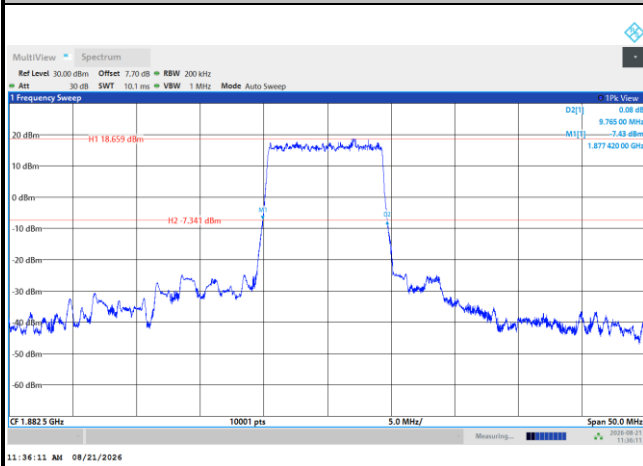


11:35:17 AM 08/21/2026

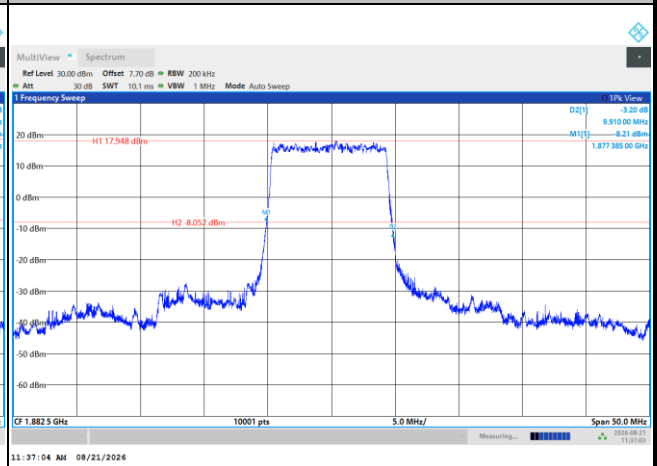


FR1 n25 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

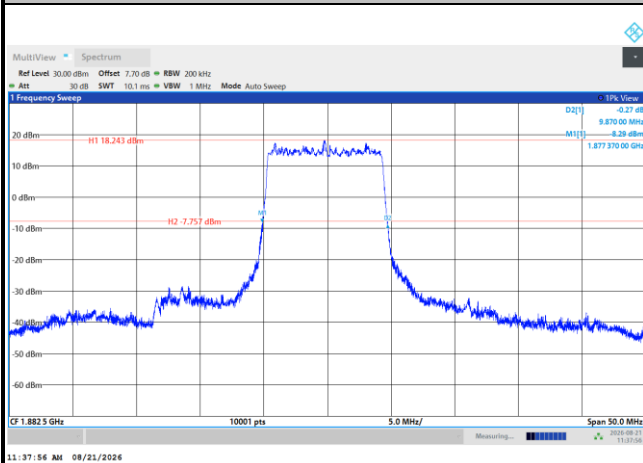
PI/2 BPSK



QPSK



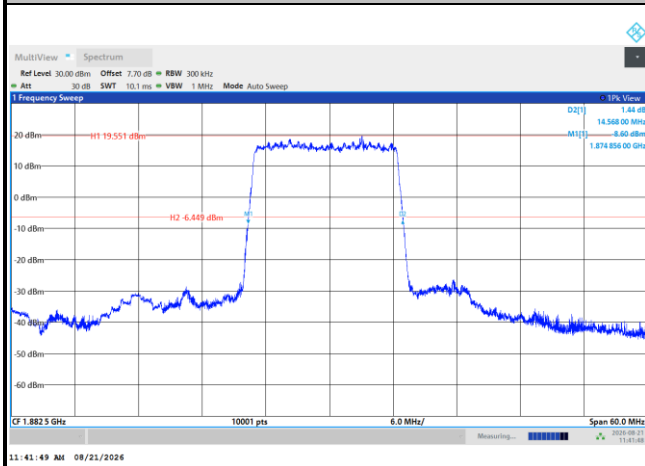
16QAM



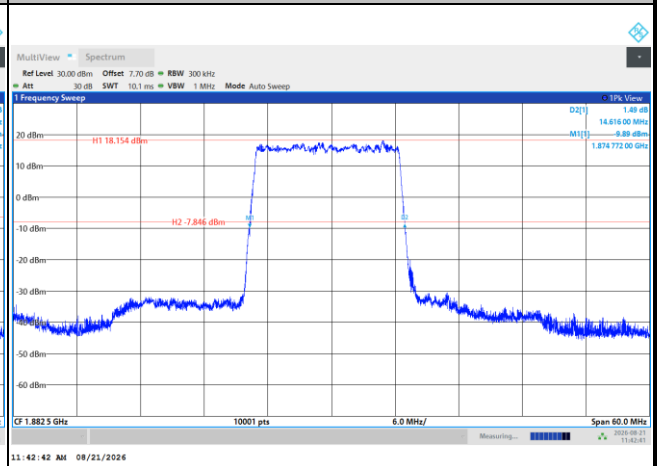


FR1 n25 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

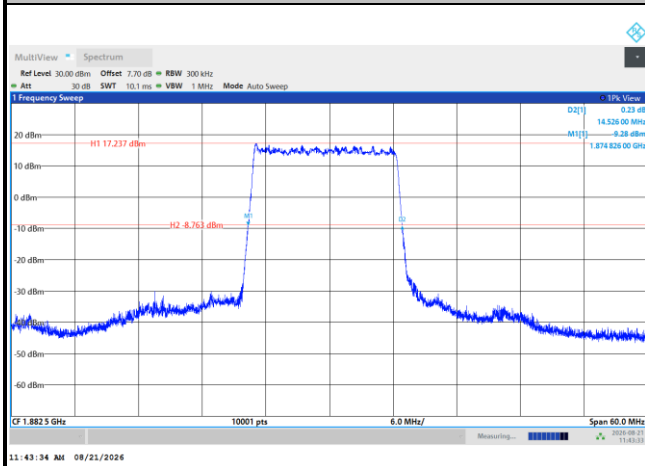
PI/2 BPSK



QPSK



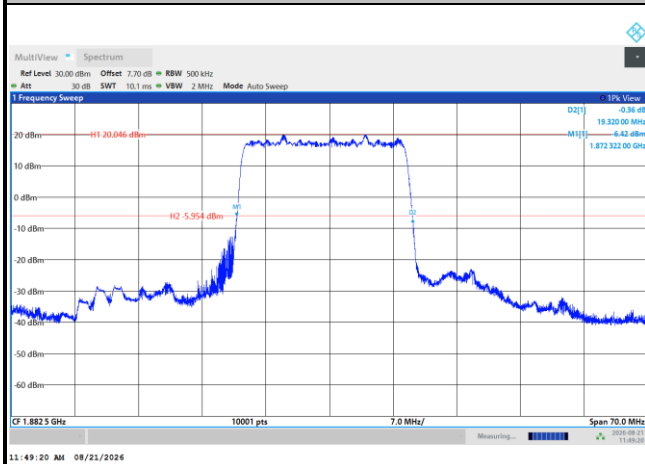
16QAM



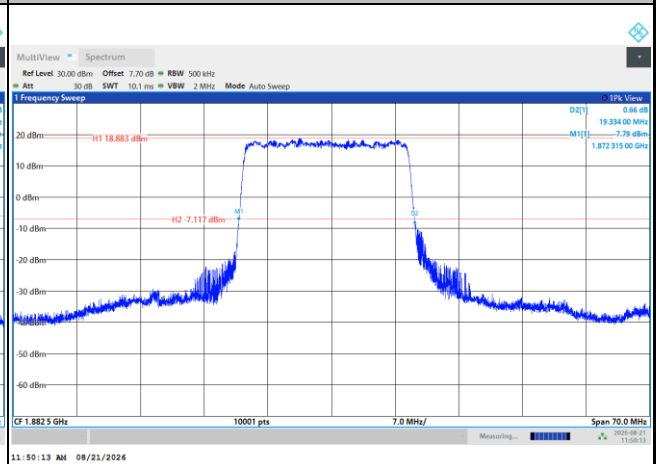


FR1 n25 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

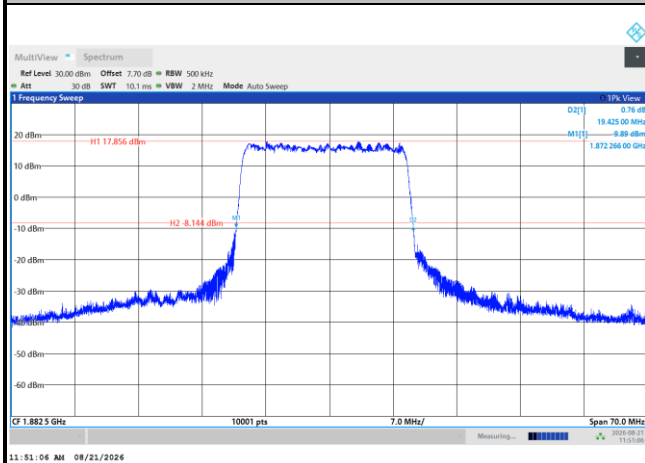
PI/2 BPSK



QPSK



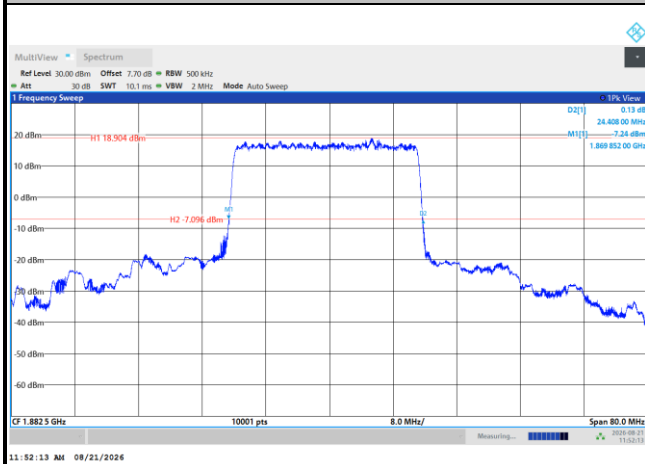
16QAM





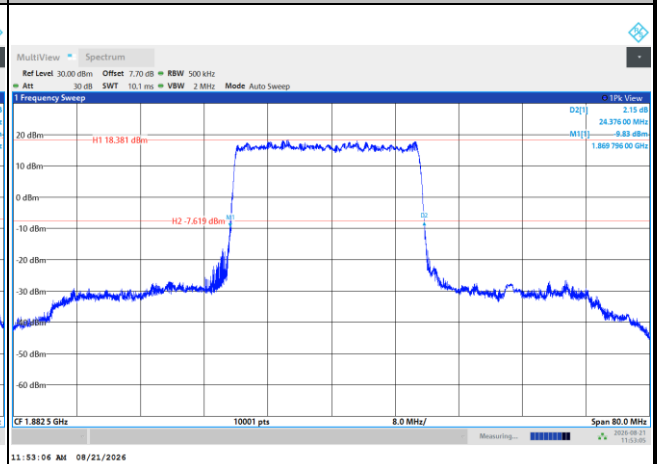
FR1 n25 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



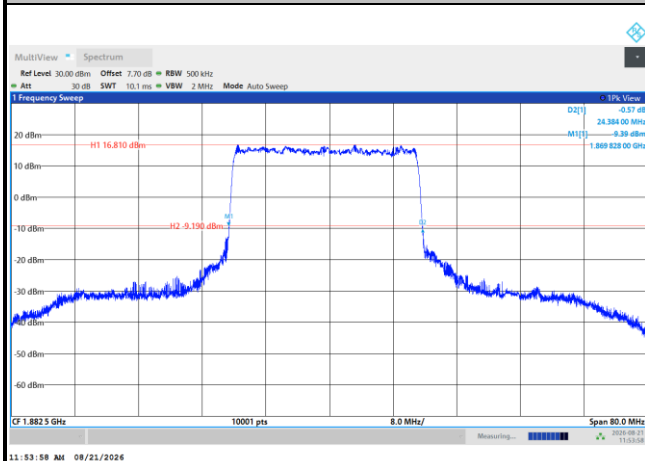
11:52:13 AM 08/21/2026

QPSK



11:53:06 AM 08/21/2026

16QAM

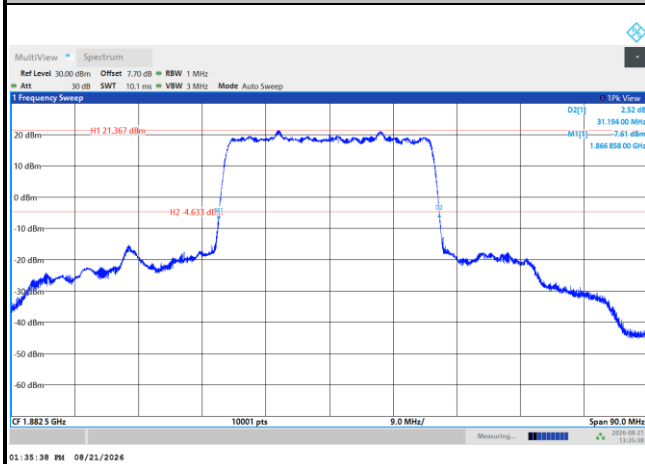


11:53:58 AM 08/21/2026

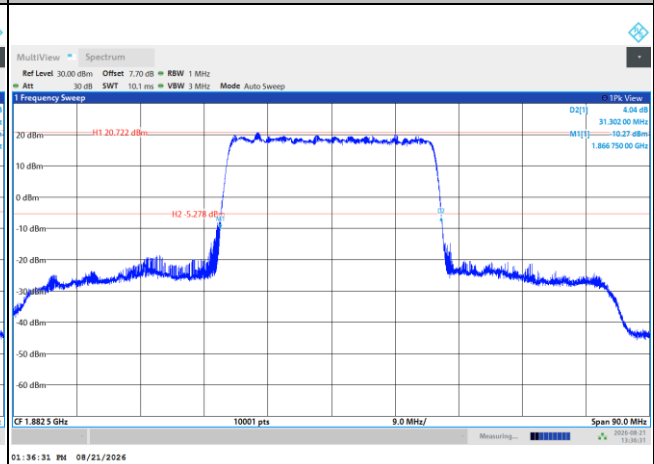


FR1 n25 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

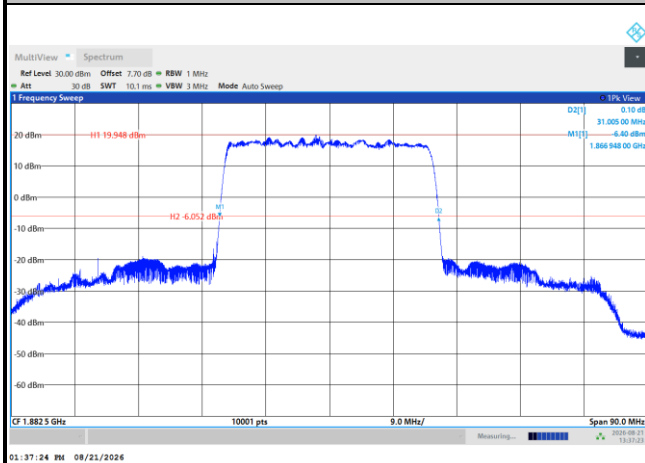
PI/2 BPSK



QPSK



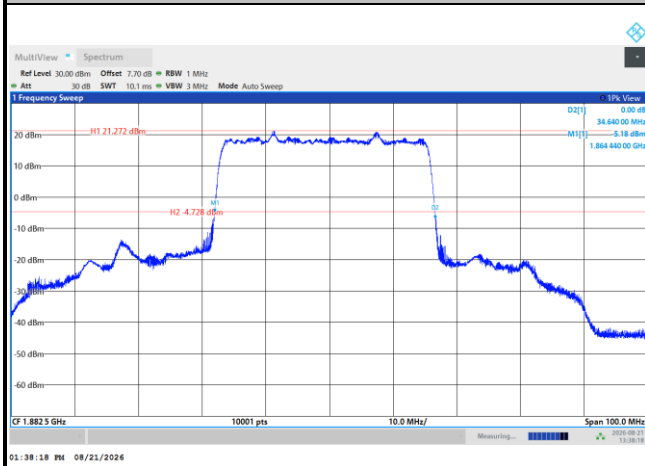
16QAM



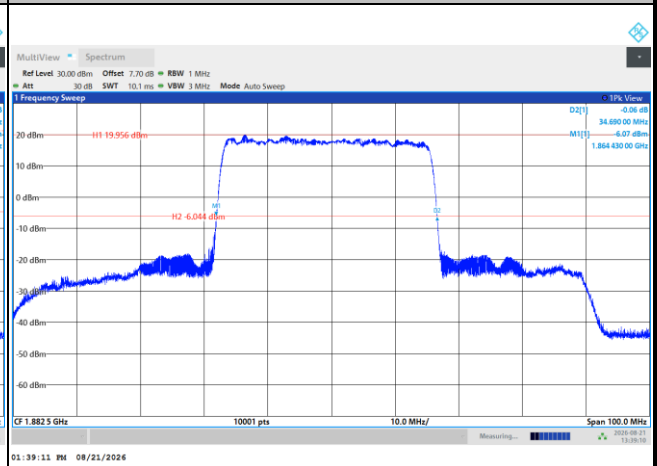


FR1 n25 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

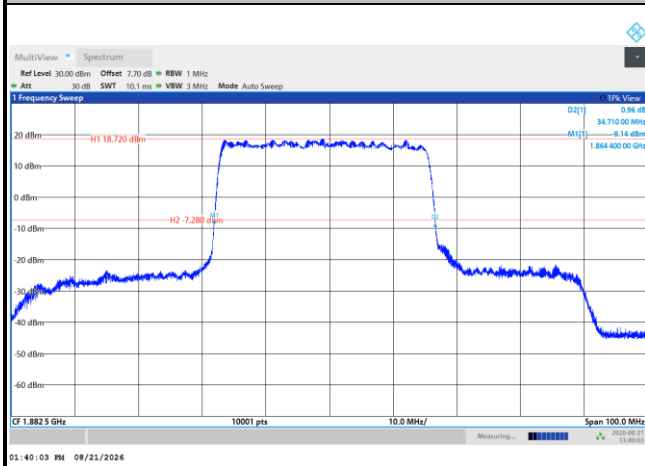
PI/2 BPSK



QPSK



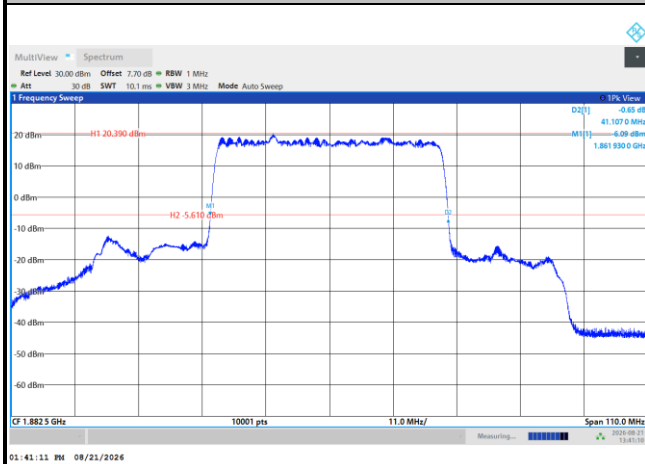
16QAM



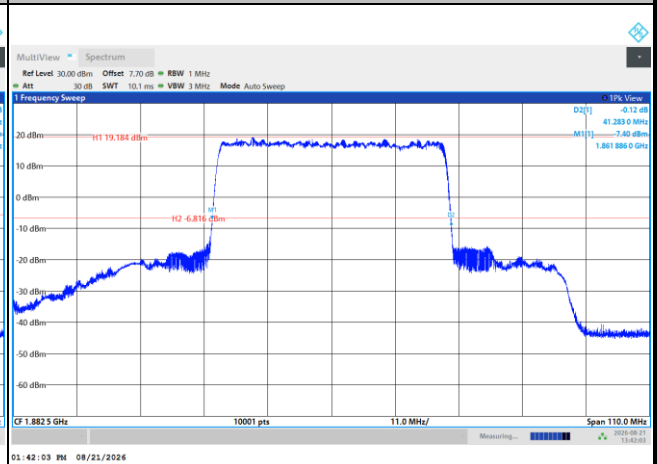


FR1 n25 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

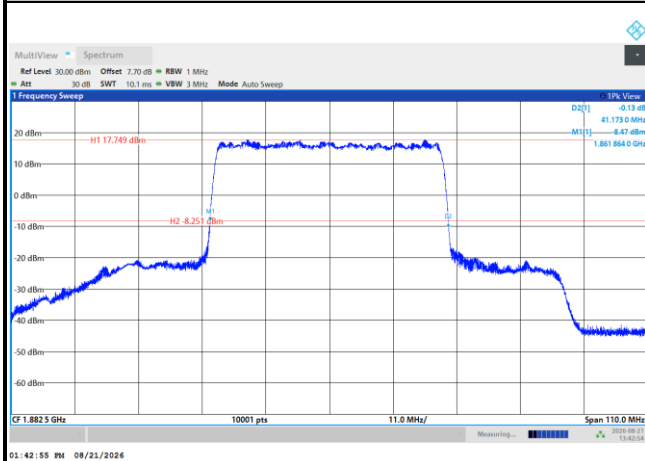
PI/2 BPSK



QPSK



16QAM



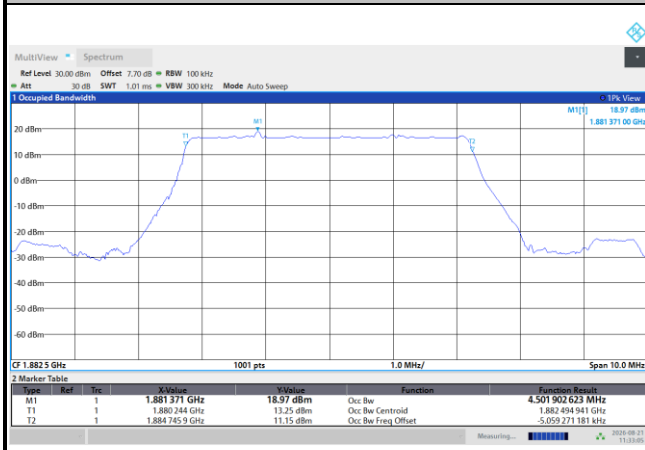
**Occupied Bandwidth**

Mode	FR1 n25 : 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	4.50	4.48	8.98	9.03	13.47	13.53	17.92	17.98
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	4.49		9.00		13.49		17.95	
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	22.99	23.01	29.01	28.98	32.48	32.45	39.13	38.98
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	22.99		28.93		32.51		38.80	



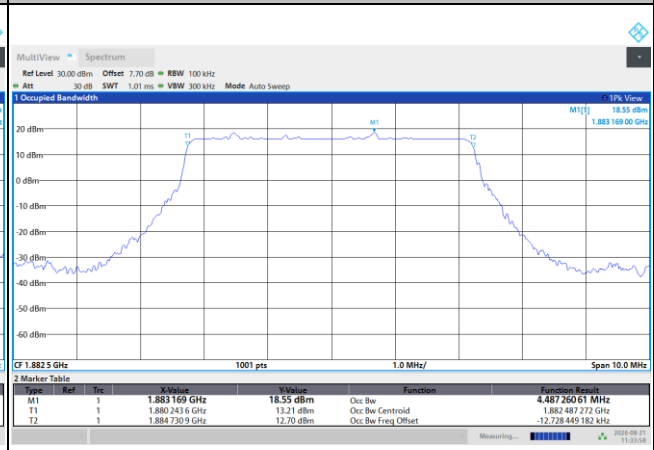
FR1 n25 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



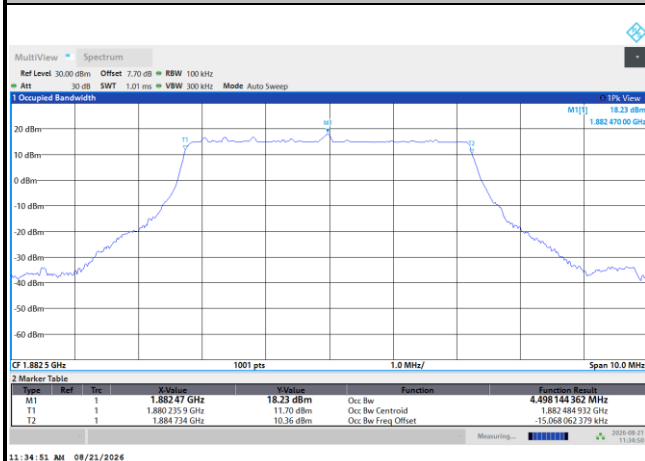
11:33:05 AM 08/21/2024

QPSK



11:33:58 AM 08/21/2024

16QAM

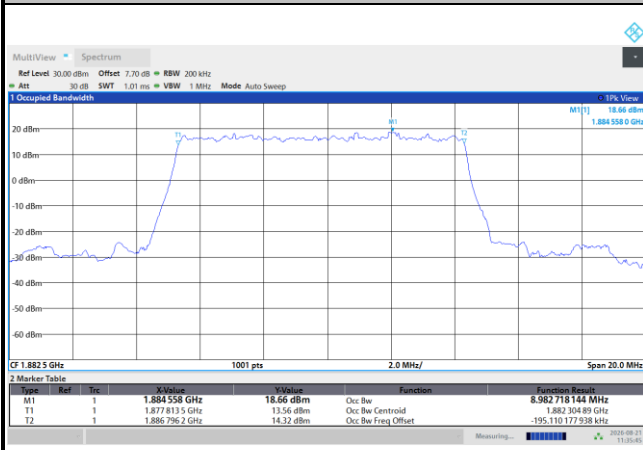


11:34:51 AM 08/21/2024



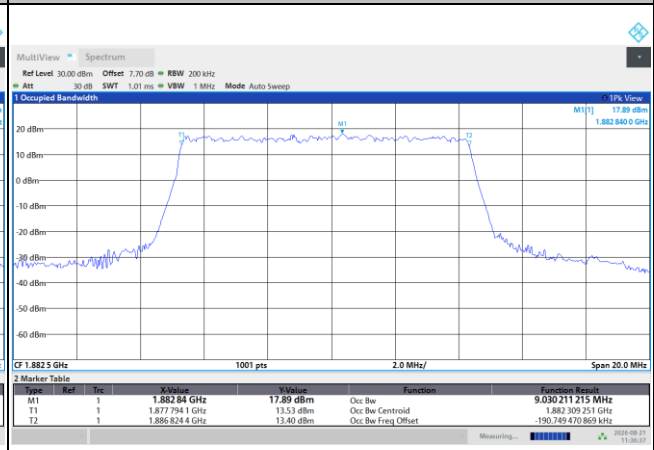
FR1 n25 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



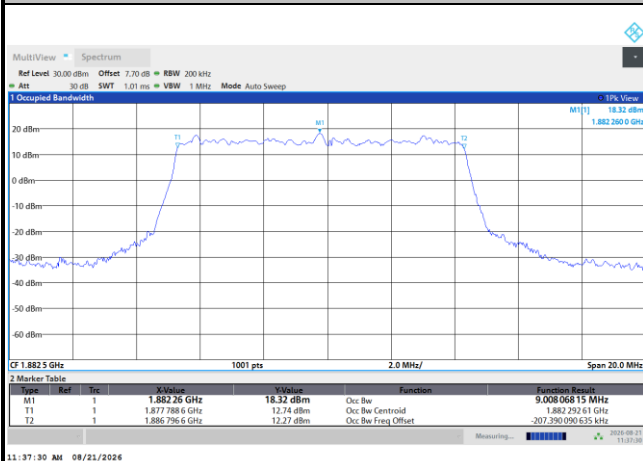
11:35:45 AM 08/21/2024

QPSK



11:36:38 AM 08/21/2024

16QAM

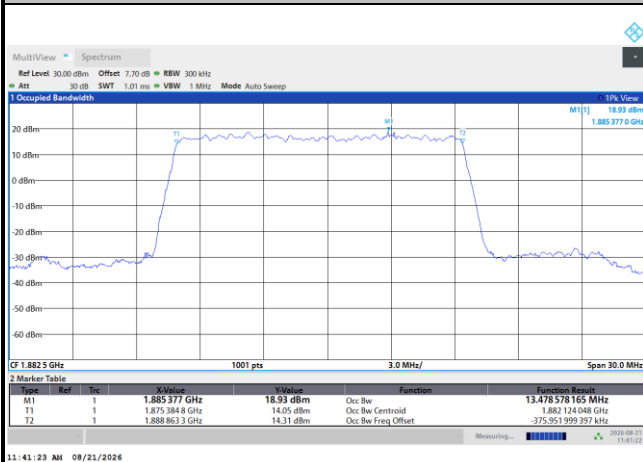


11:37:30 AM 08/21/2024



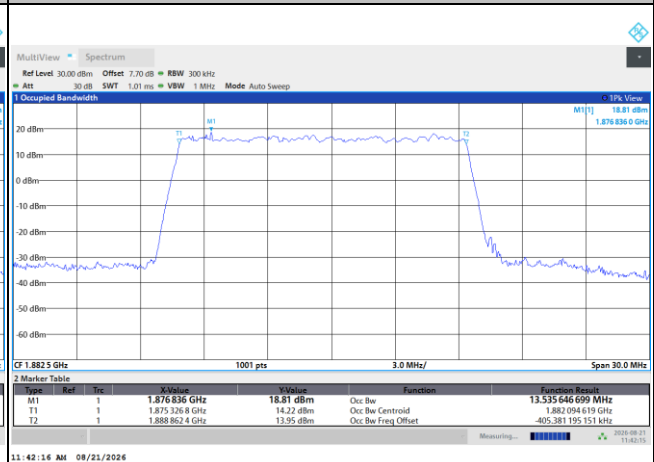
FR1 n25 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



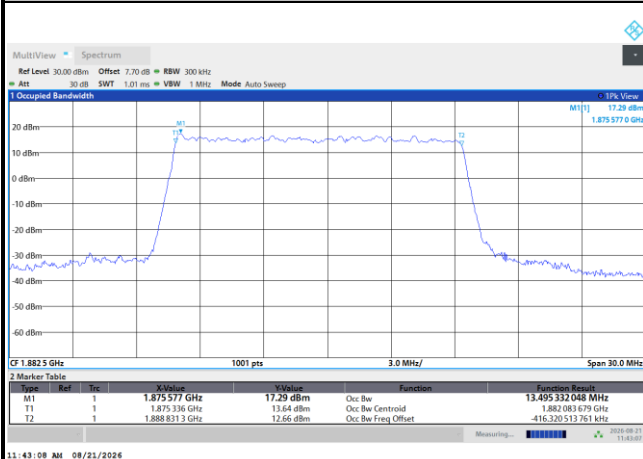
11:41:23 AM 08/21/2026

QPSK



11:42:16 AM 08/21/2026

16QAM

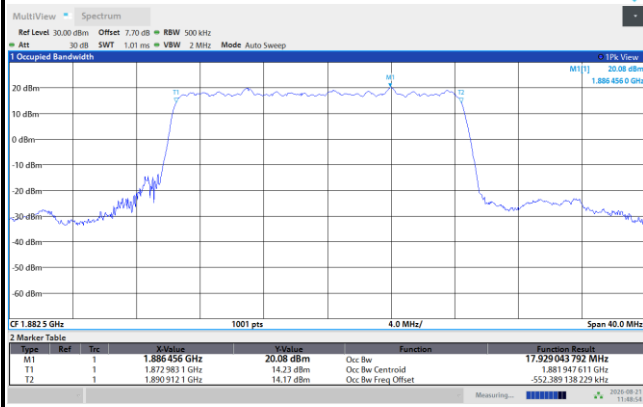


11:43:08 AM 08/21/2026



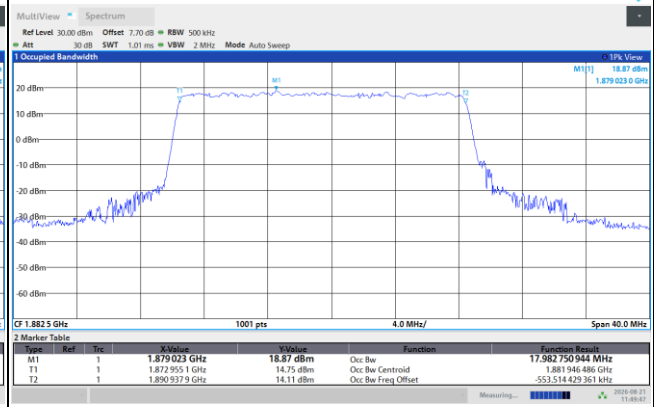
FR1 n25 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



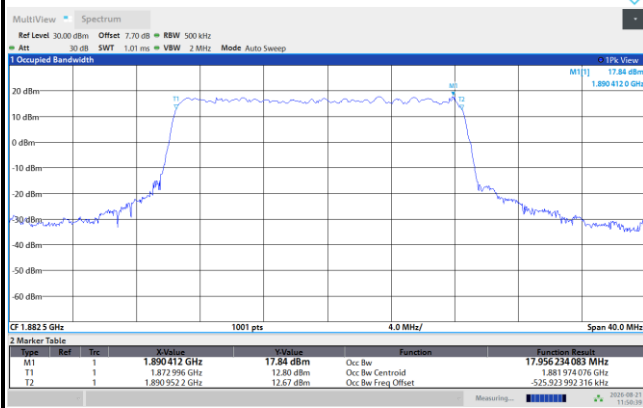
11:48:55 AM 08/21/2024

QPSK



11:49:47 AM 08/21/2024

16QAM

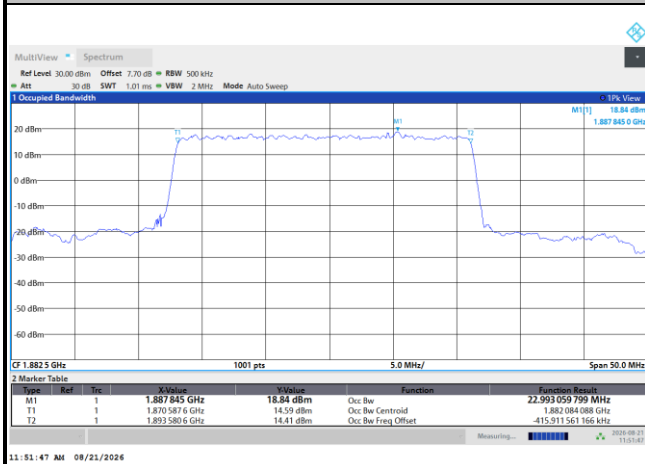


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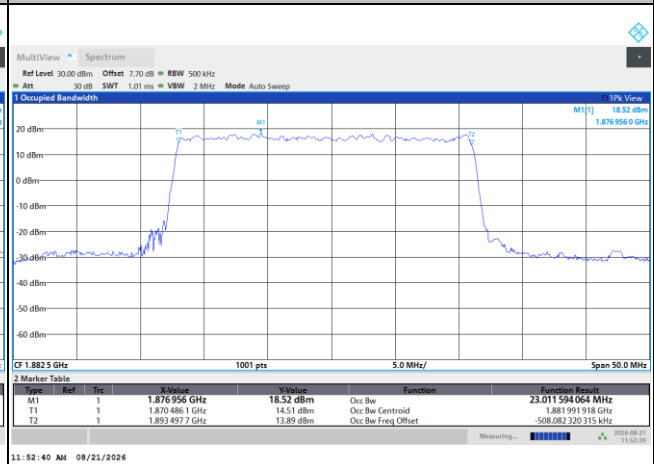


FR1 n25 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

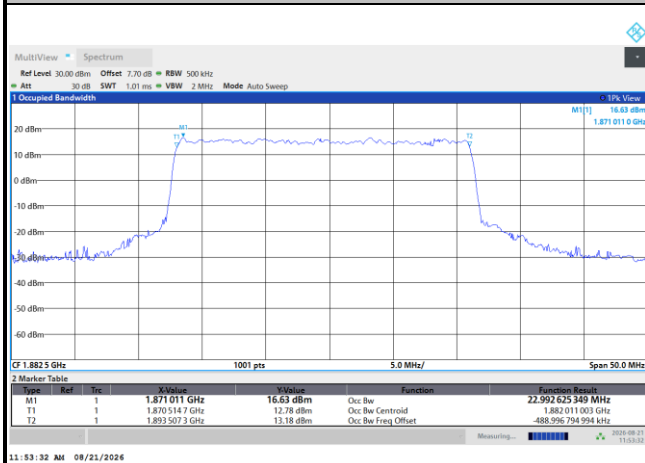
PI/2 BPSK



QPSK



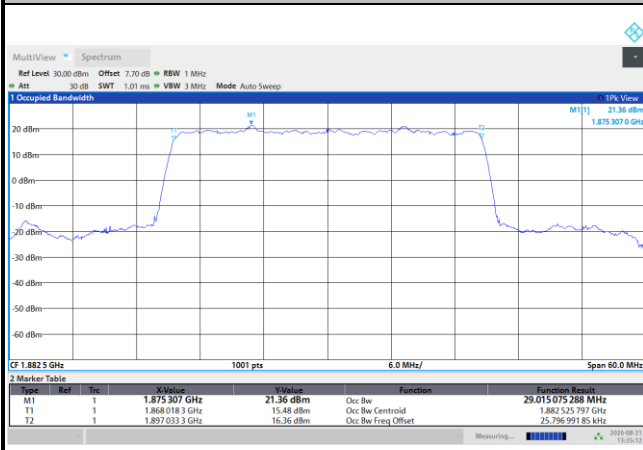
16QAM





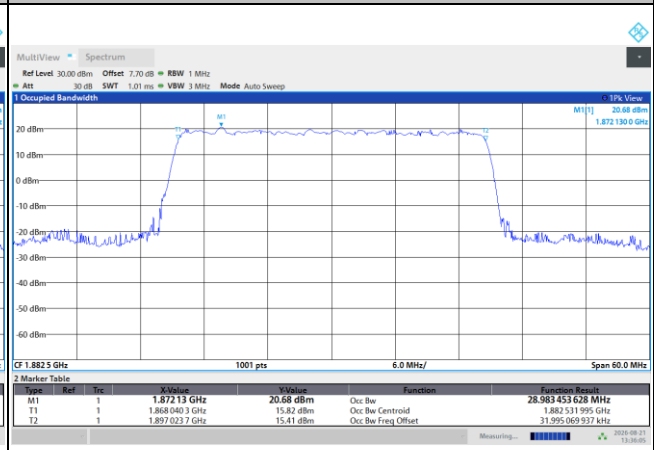
FR1 n25 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



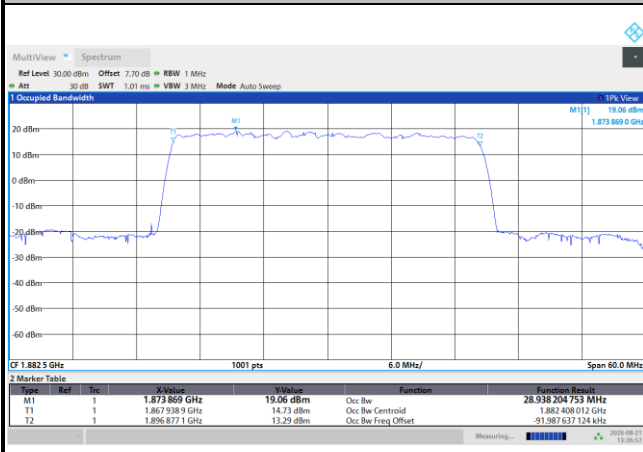
01:35:12 PM 08/21/2024

QPSK



01:36:05 PM 08/21/2024

16QAM

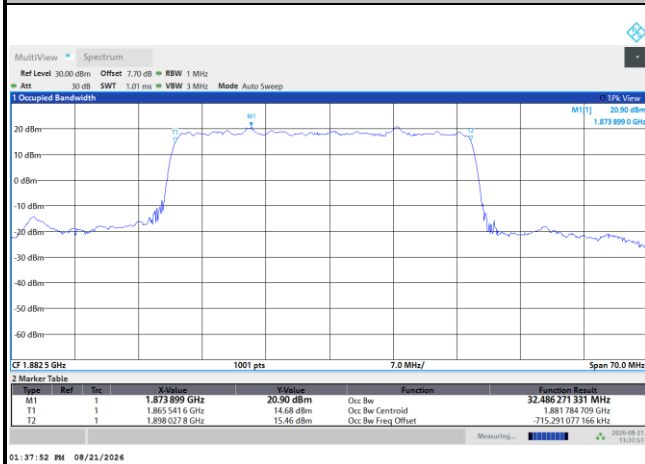


01:36:58 PM 08/21/2024

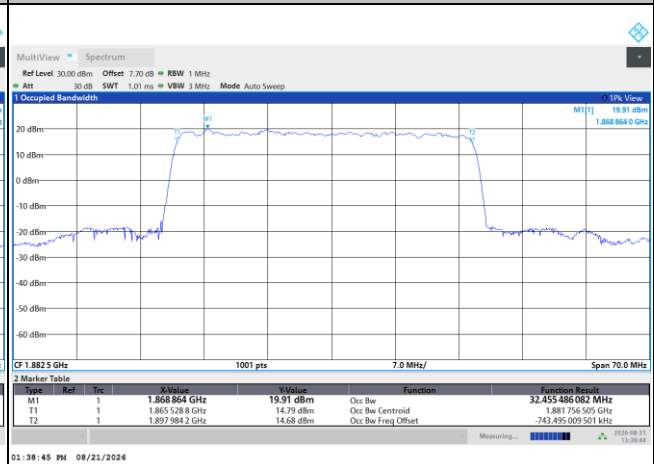


FR1 n25 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

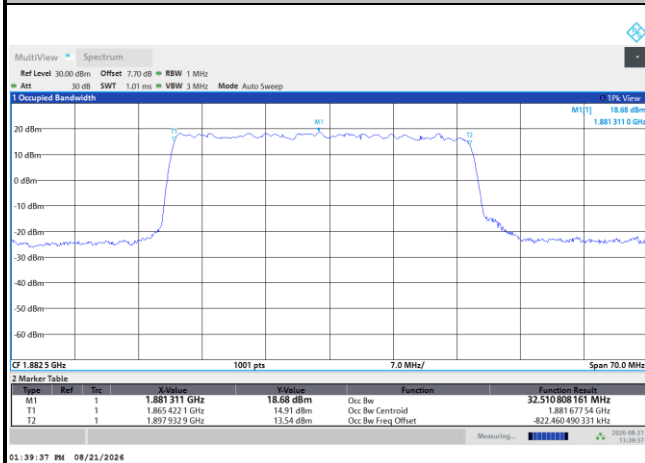
PI/2 BPSK



QPSK



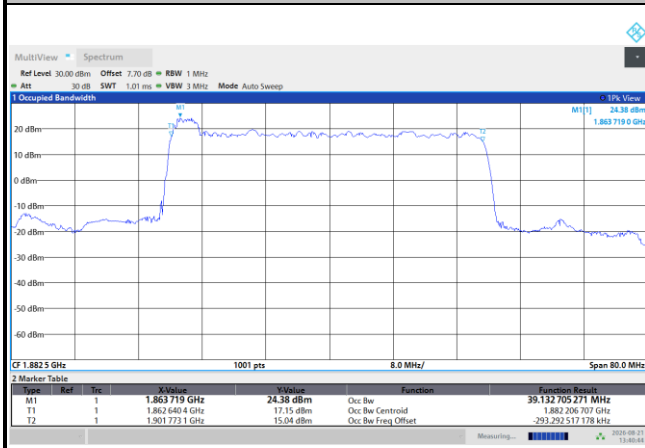
16QAM





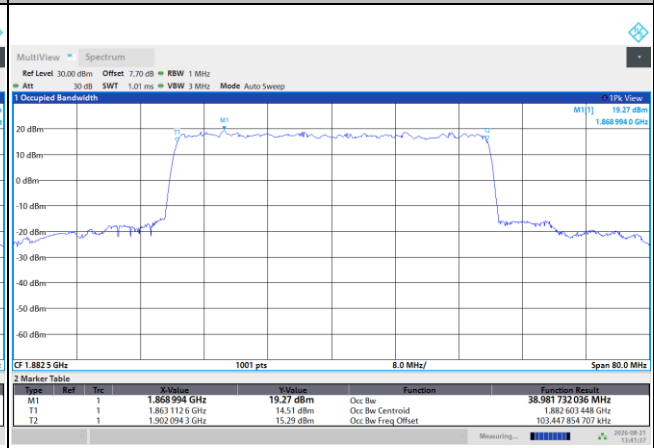
FR1 n25 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



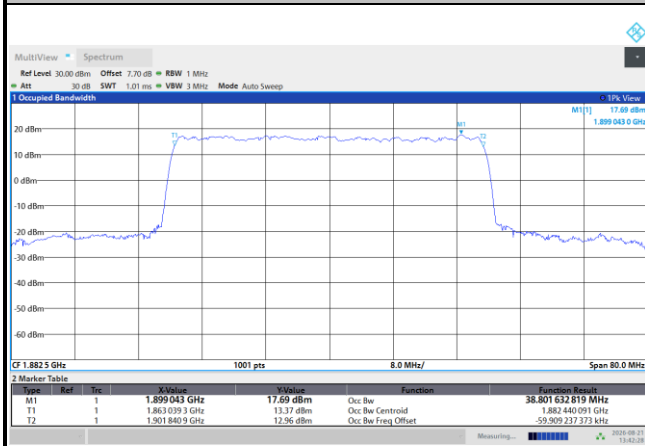
01:40:45 PM 08/21/2026

QPSK



01:41:37 PM 08/21/2026

16QAM



01:42:29 PM 08/21/2026

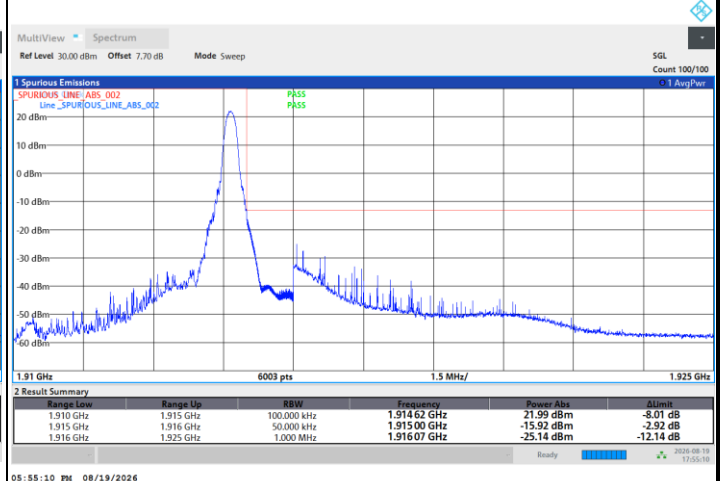
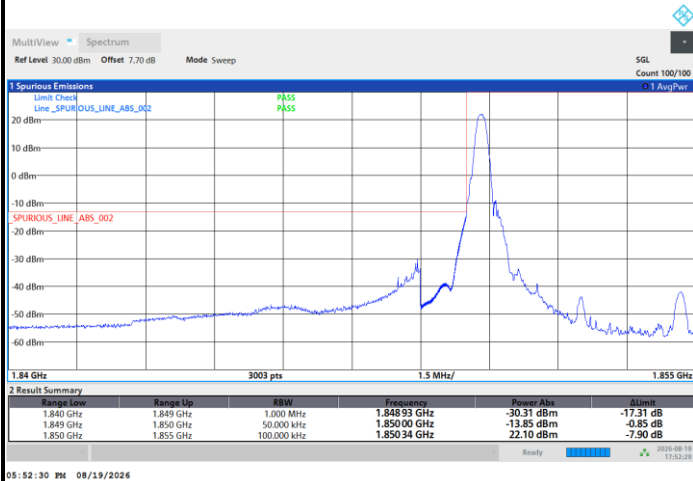


Conducted Band Edge

FR1 n25 / 5MHz / DFT-S OFDM / PI/2 BPSK

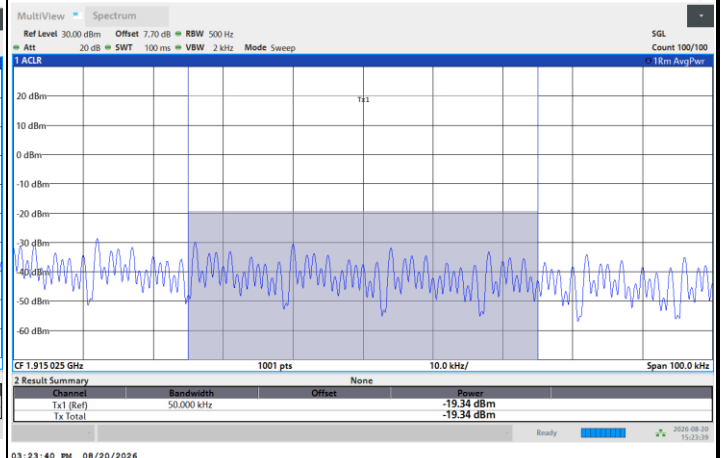
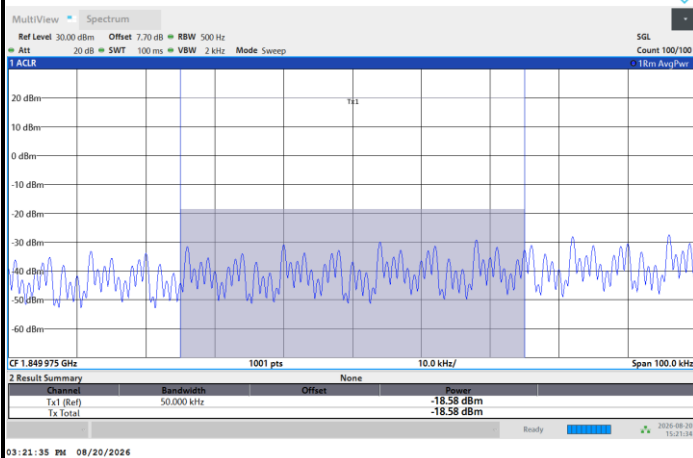
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Channel Power -18.58 dBm < -13 limit (PASS)

Channel Power -19.34 dBm < -13 limit (PASS)

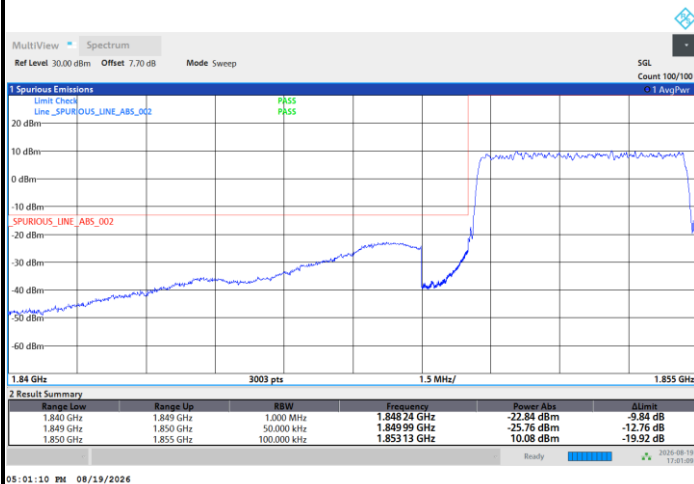




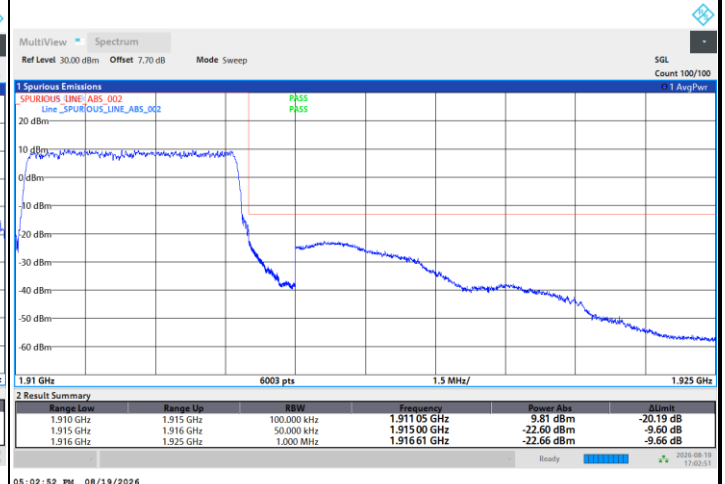
FR1 n25 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



05:01:10 PM 08/19/2026



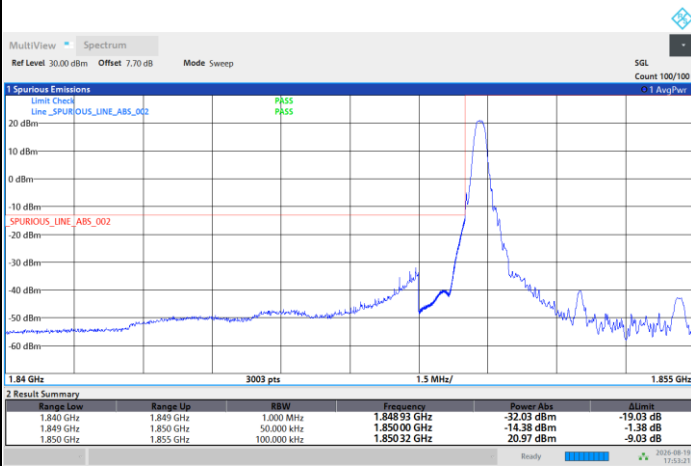
05:02:52 PM 08/19/2026



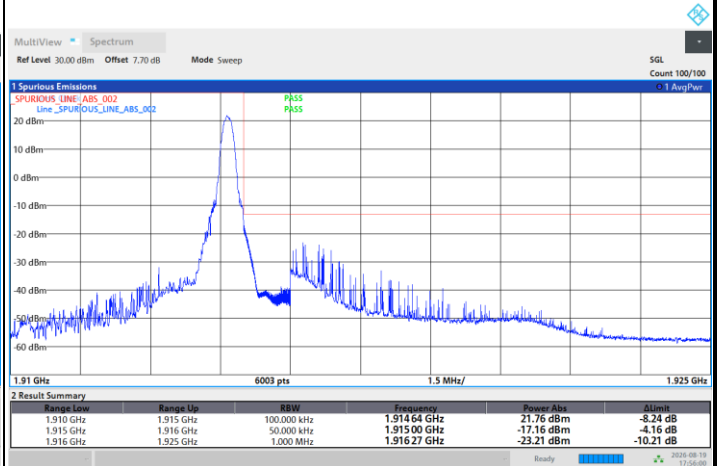
FR1 n25 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

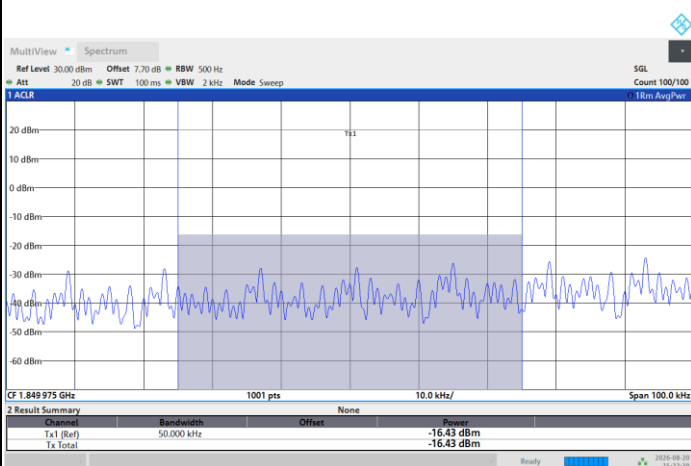


05:53:21 PM 08/19/2026



05:56:01 PM 08/19/2026

Channel Power -16.43 dBm < -13 limit (PASS)



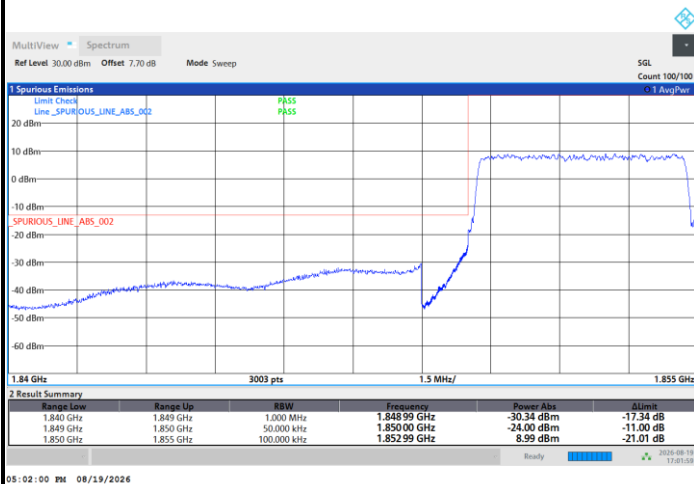
03:22:40 PM 08/20/2026



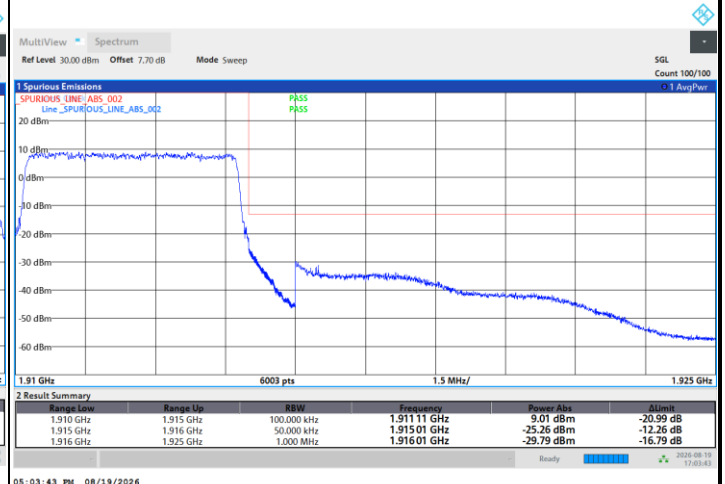
FR1 n25 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



05:02:00 PM 08/19/2026

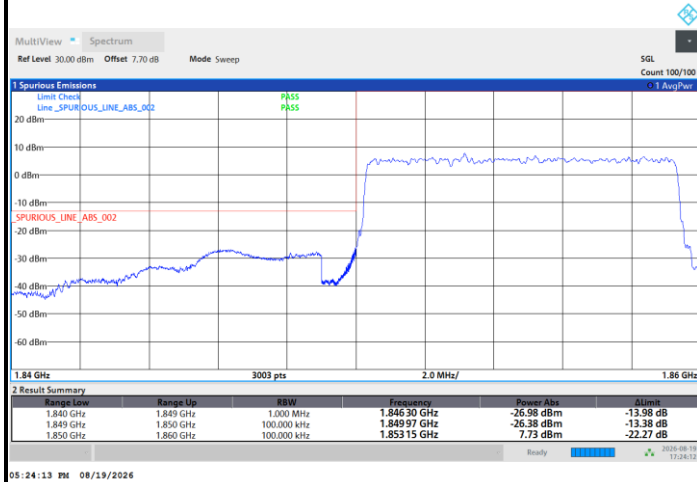


05:03:43 PM 08/19/2026

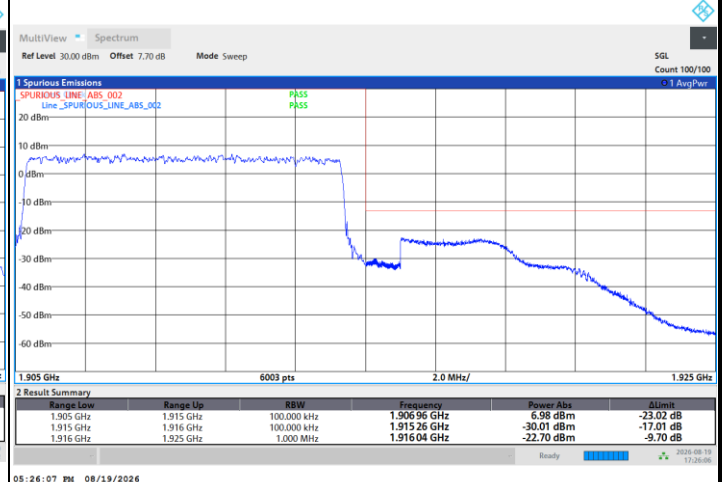


FR1 n25 / 10MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

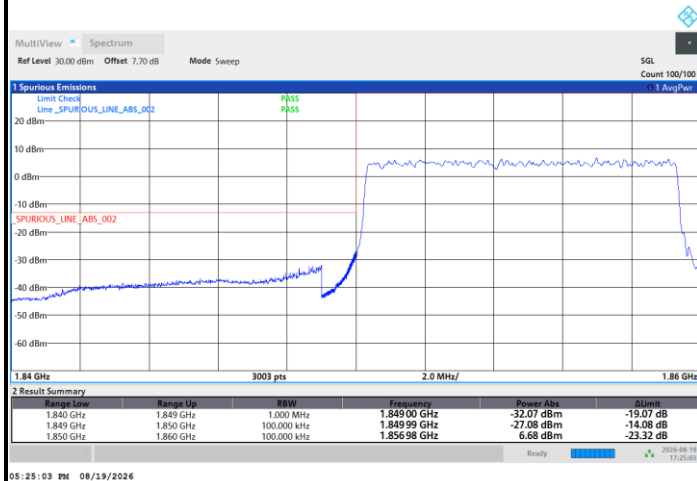


Highest Band Edge / Full RB

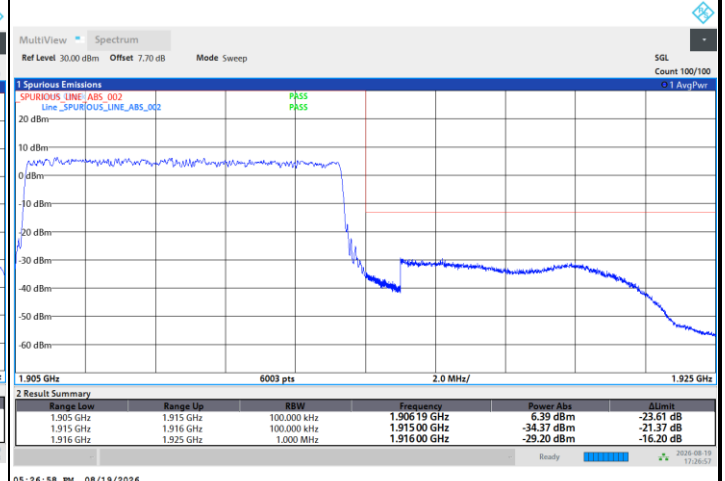


FR1 n25 / 10MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



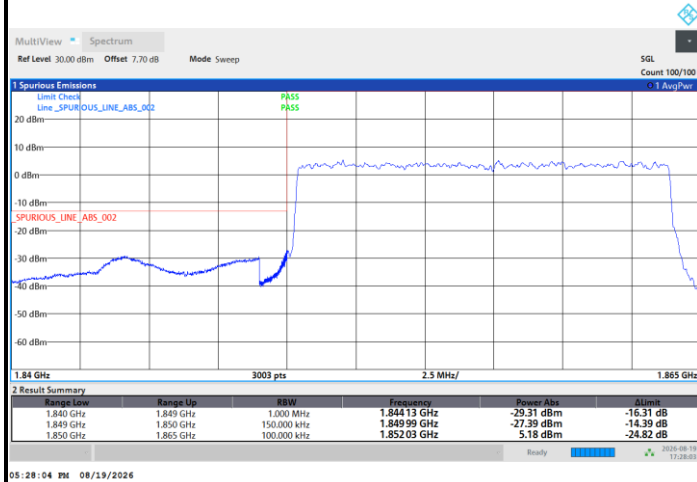
Highest Band Edge / Full RB



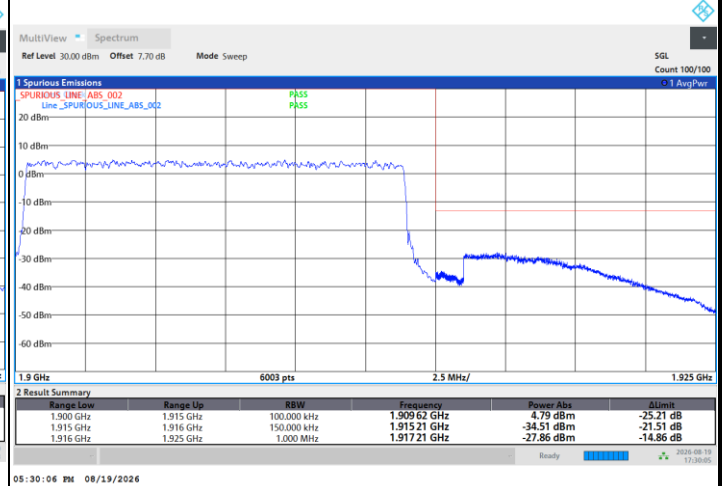


FR1 n25 / 15MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

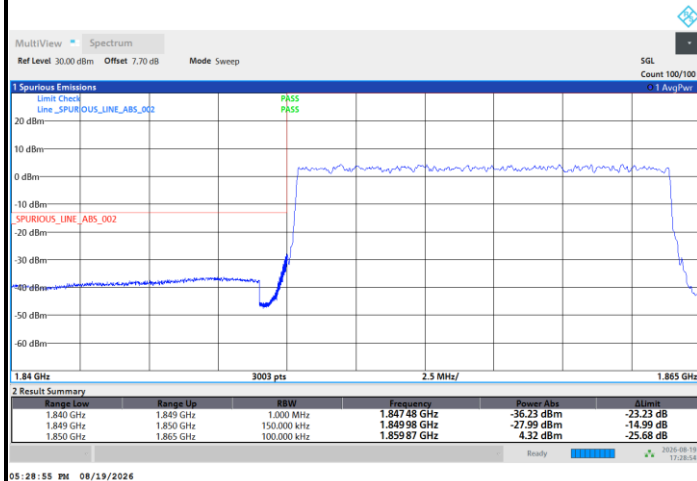


Highest Band Edge / Full RB

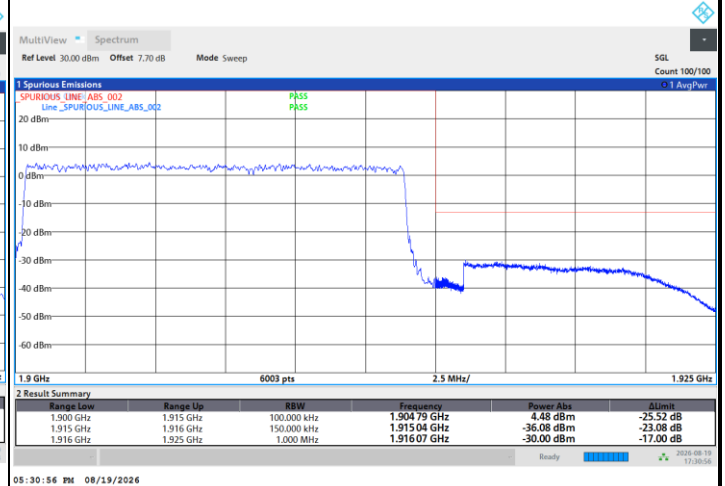


FR1 n25 / 15MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



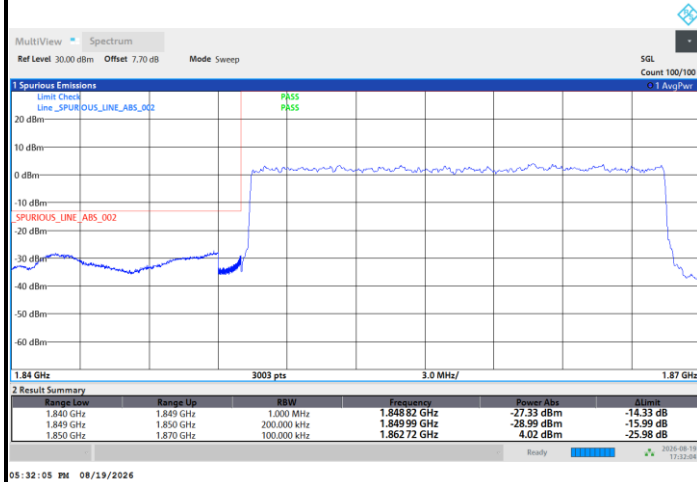
Highest Band Edge / Full RB



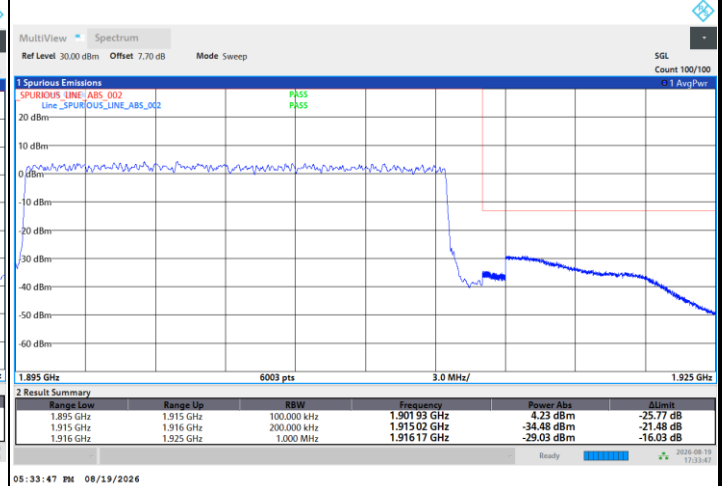


FR1 n25 / 20MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

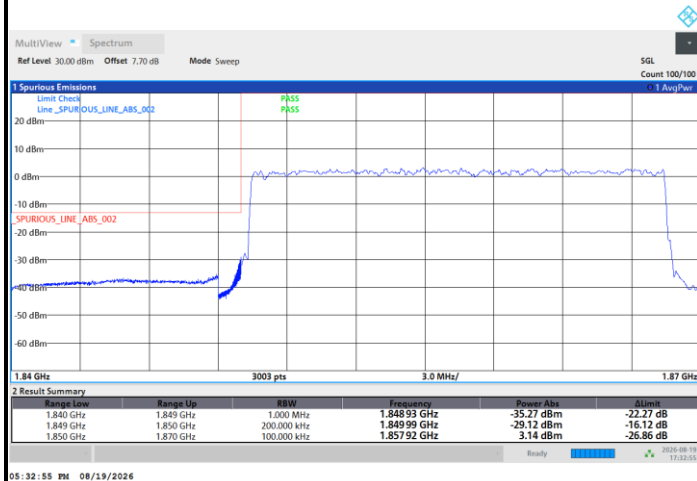


Highest Band Edge / Full RB



FR1 n25 / 20MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

