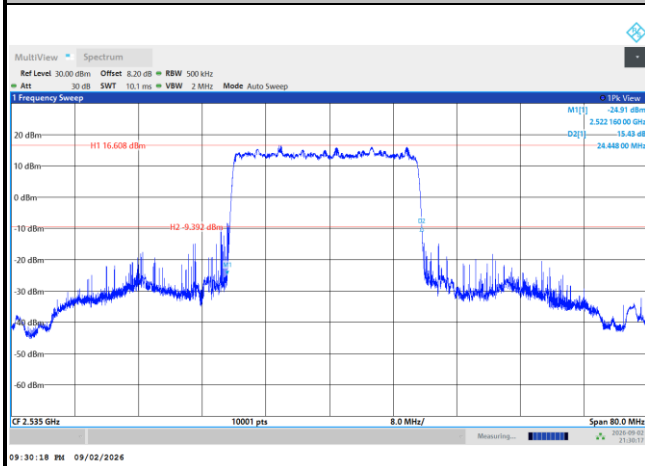


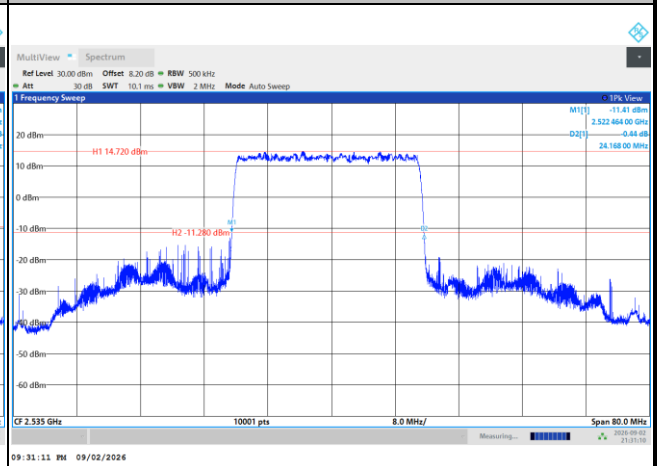


FR1 n7 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

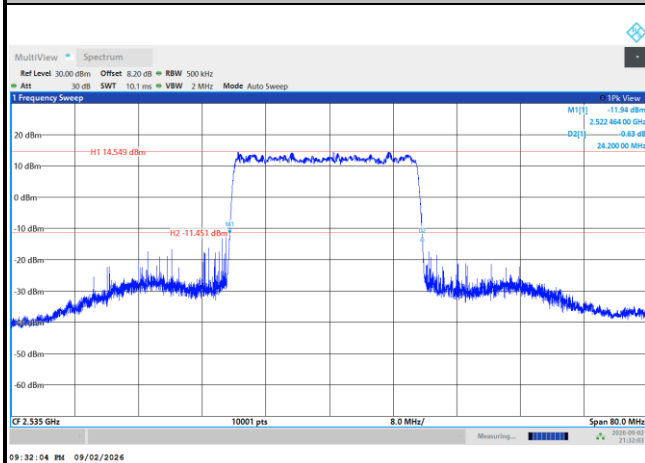
PI/2 BPSK



QPSK



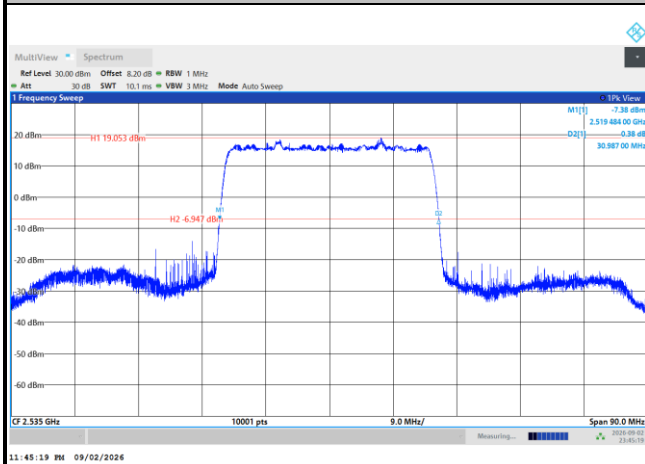
16QAM



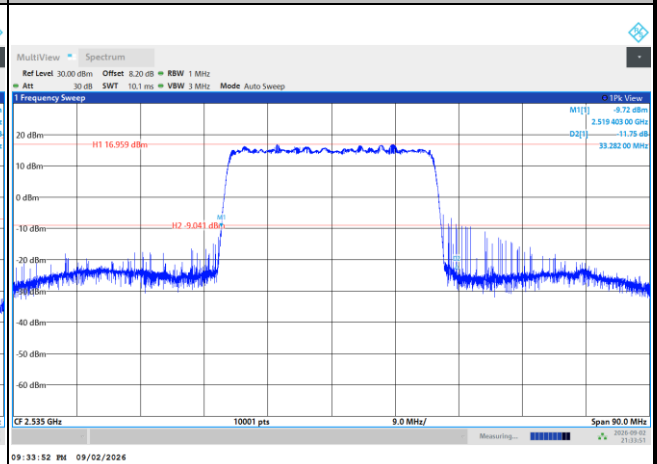


FR1 n7 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

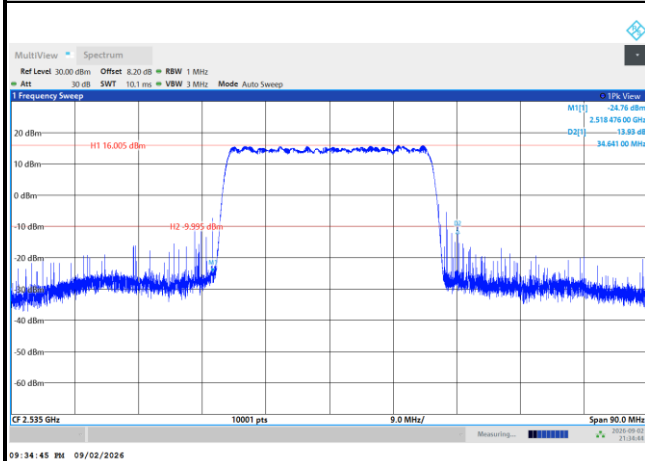
PI/2 BPSK



QPSK



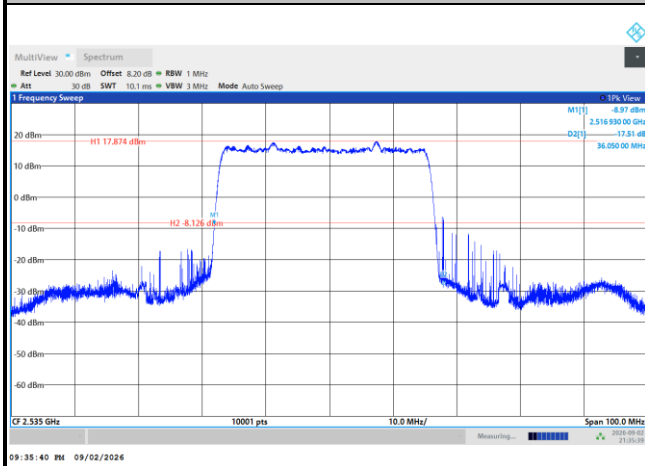
16QAM



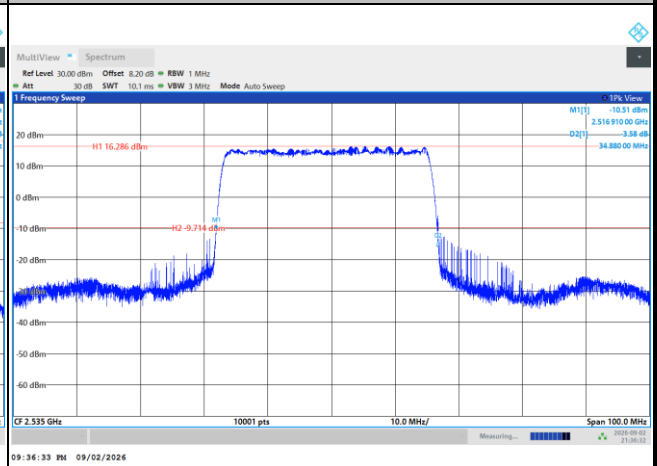


FR1 n7 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

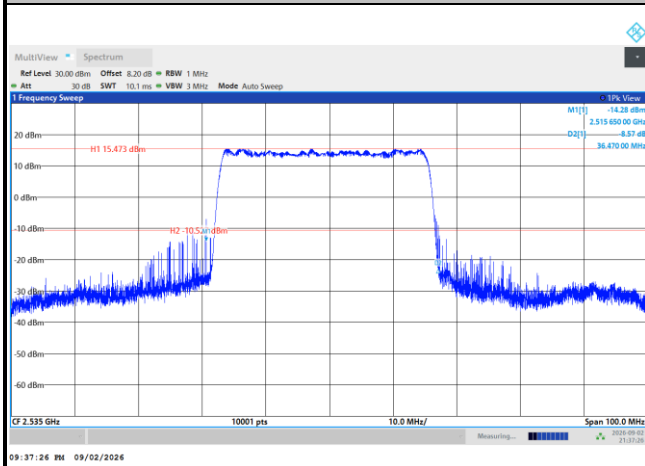
PI/2 BPSK



QPSK



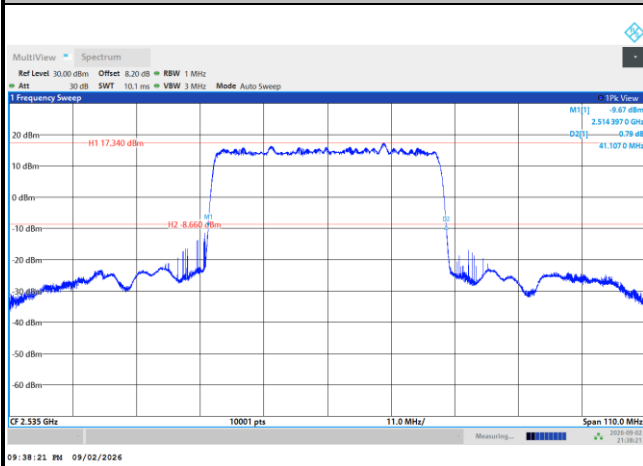
16QAM



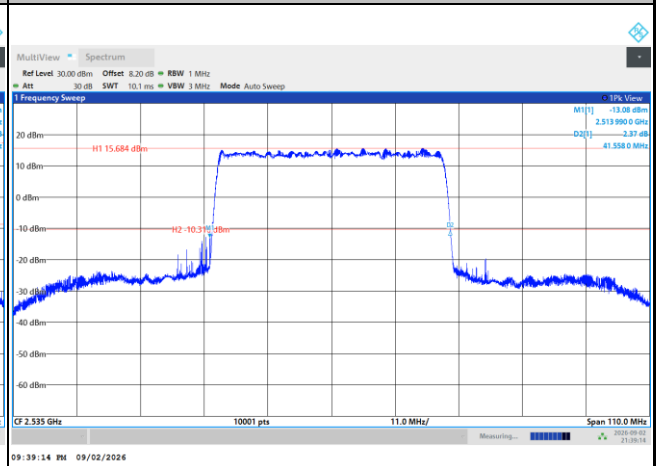


FR1 n7 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

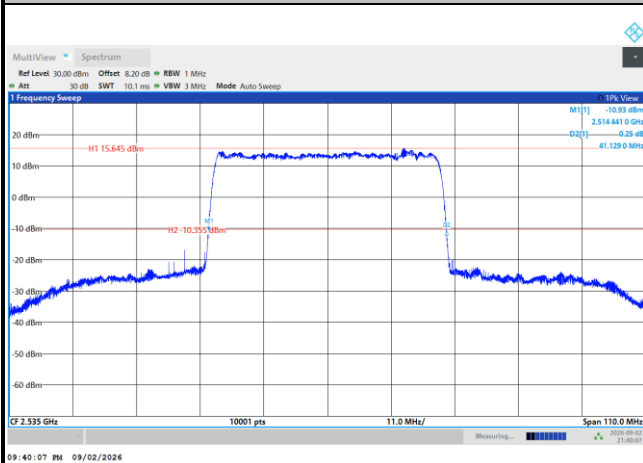
PI/2 BPSK



QPSK



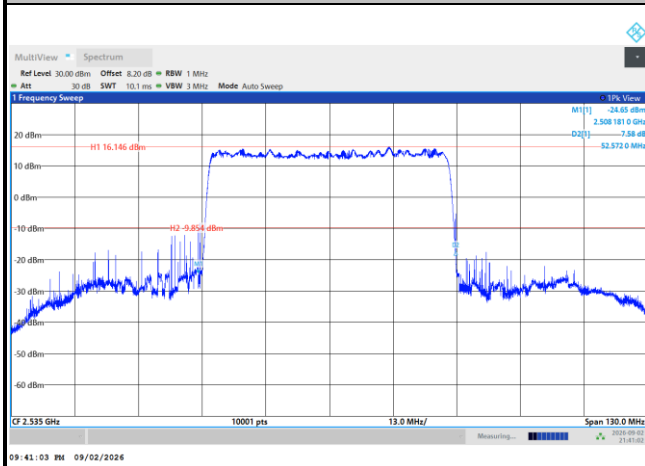
16QAM



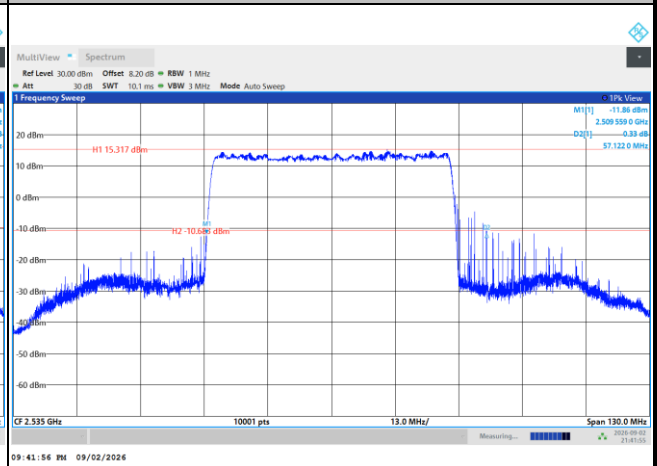


FR1 n7 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

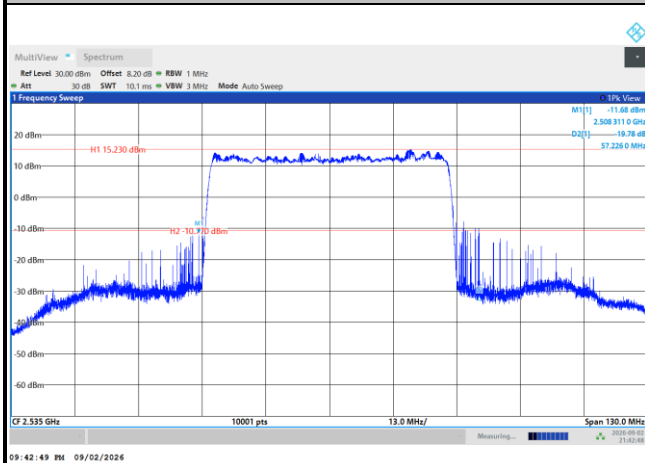
PI/2 BPSK



QPSK



16QAM



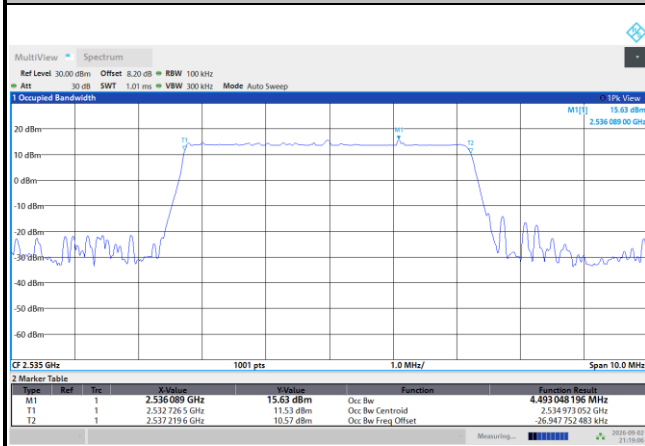
**Occupied Bandwidth**

Mode	FR1 n7 : 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	4.50	9.02	8.97	13.48	13.45	18.03	17.97
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	4.49		8.95		13.45		17.98	
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK
Middle CH	22.96	22.94	28.98	28.96	32.55	32.39	38.77	38.89
Mod.	16QAM		16QAM		16QAM		16QAM	
Middle CH	22.91		28.88		32.43		38.70	
BW	50MHz							
Mod.	PI/2 BPSK	PI/2 BPSK						
Middle CH	48.49	48.44						
Mod.	16QAM							
Middle CH	48.32							



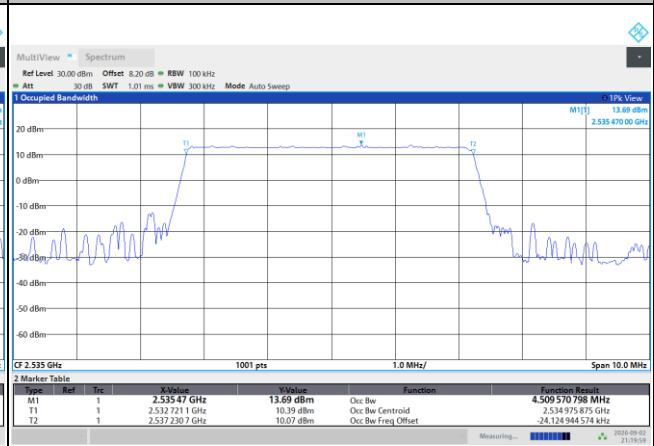
FR1 n7 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



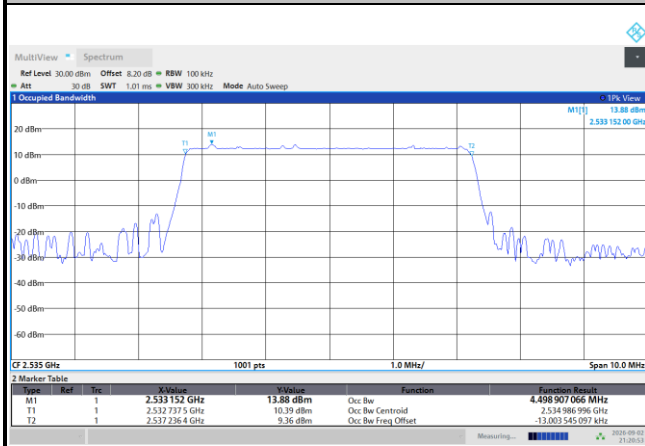
09:19:07 PM 09/02/2024

QPSK



09:20:00 PM 09/02/2024

16QAM

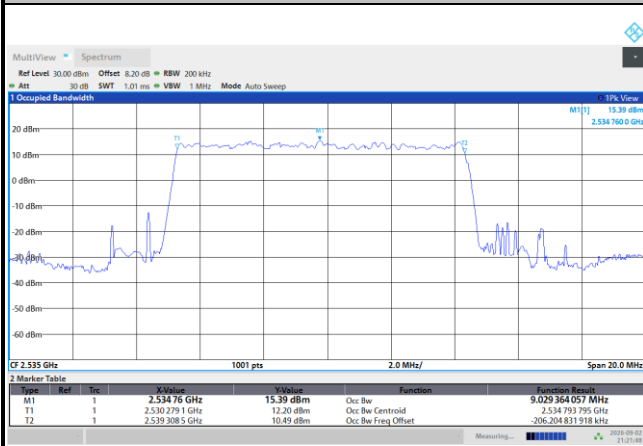


09:20:13 PM 09/02/2024



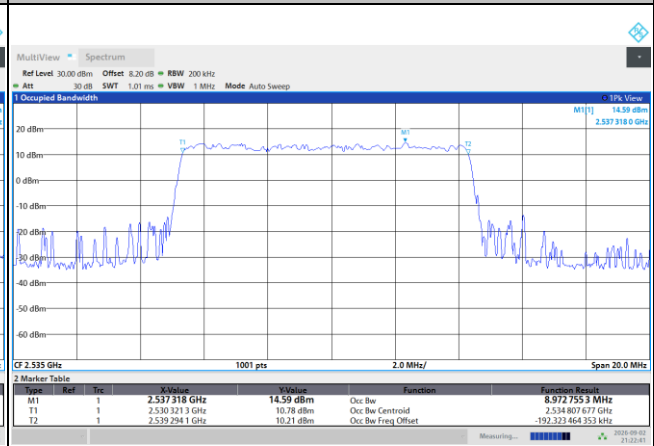
FR1 n7 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



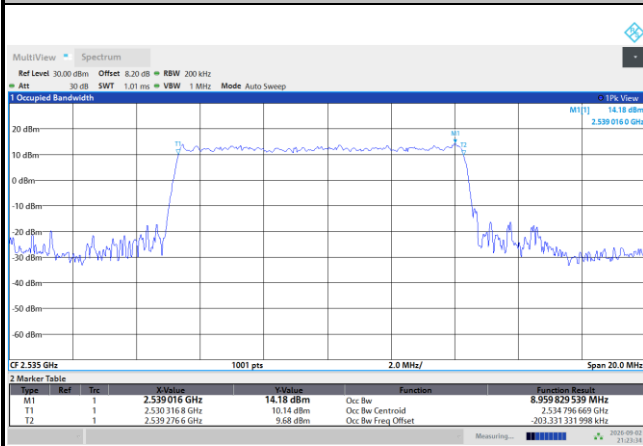
09:21:48 PM 09/02/2026

QPSK



09:22:41 PM 09/02/2026

16QAM

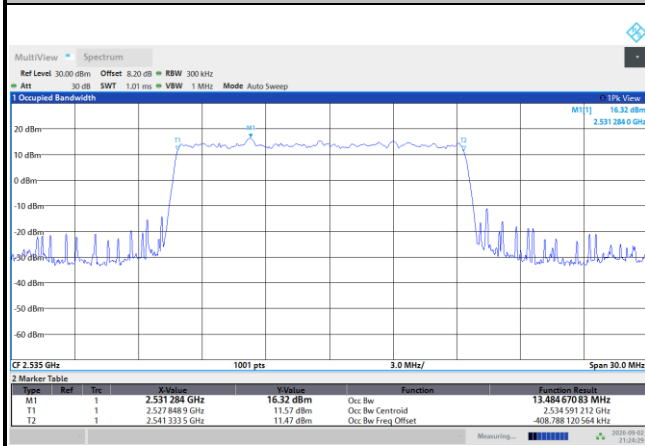


09:23:34 PM 09/02/2026



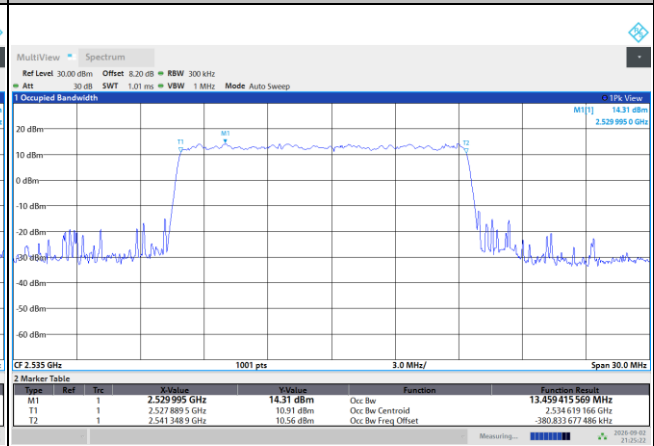
FR1 n7 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



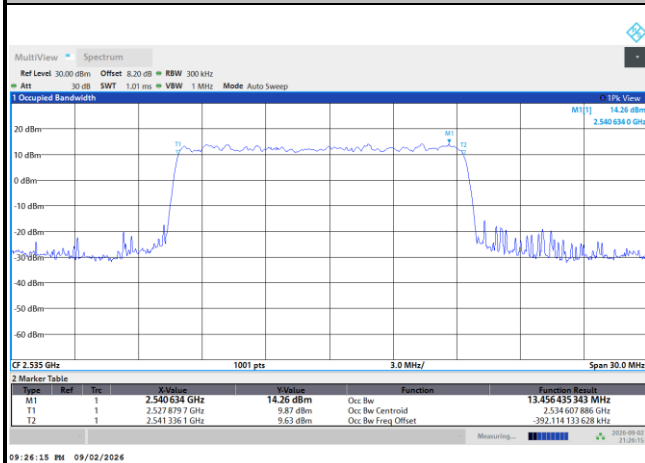
09:24:29 PM 09/02/2024

QPSK



09:25:22 PM 09/02/2024

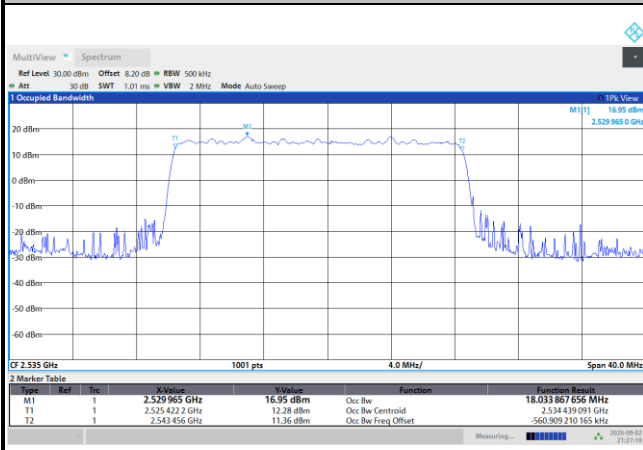
16QAM



09:26:15 PM 09/02/2024

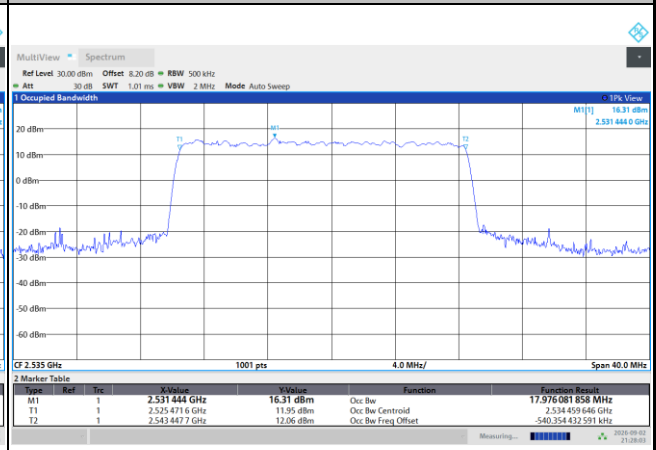
FR1 n7 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



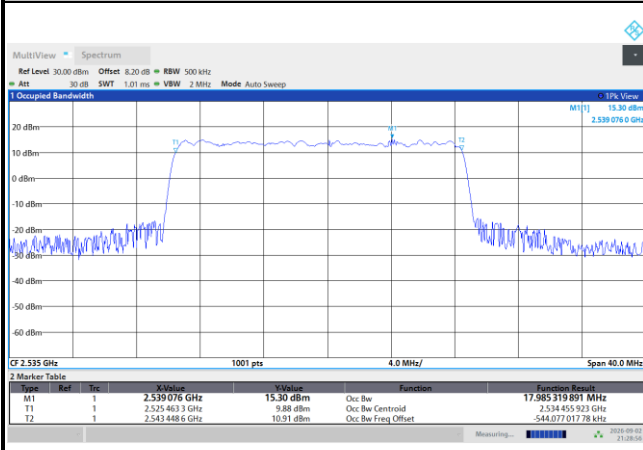
09:27:10 PM 09/02/2026

QPSK



09:28:03 PM 09/02/2026

16QAM

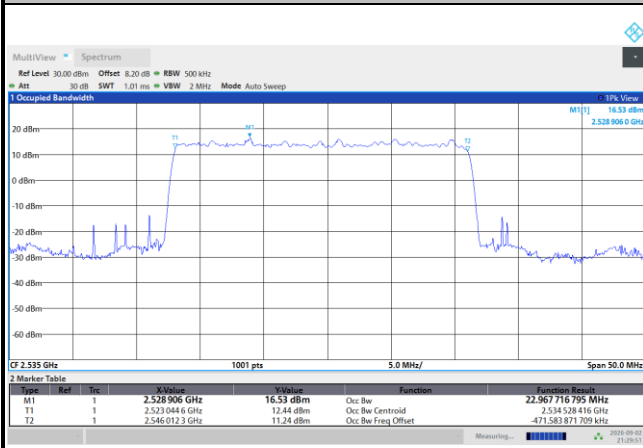


09:28:16 PM 09/02/2026



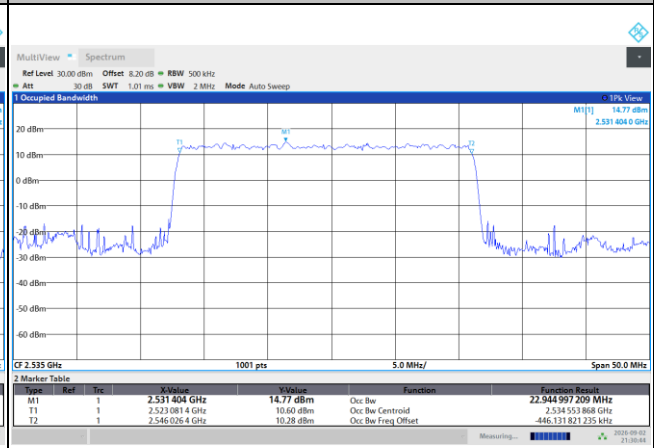
FR1 n7 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



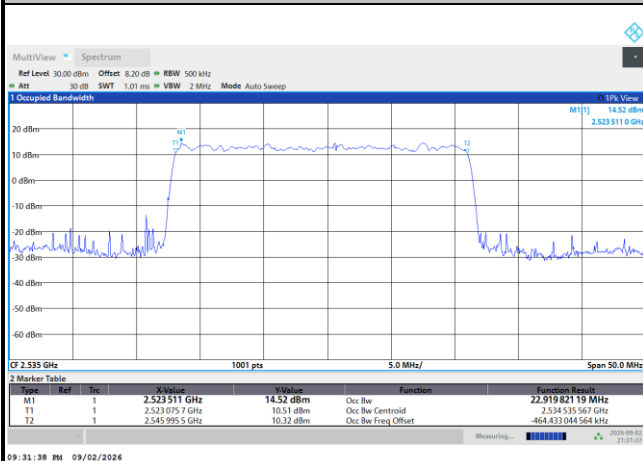
09:29:51 PM 09/02/2024

QPSK



09:30:44 PM 09/02/2024

16QAM

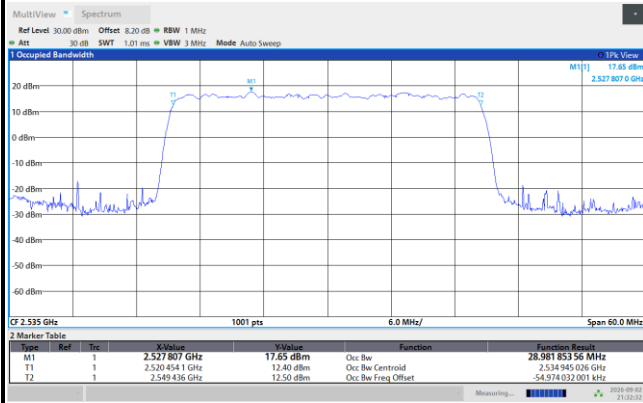


09:31:38 PM 09/02/2024



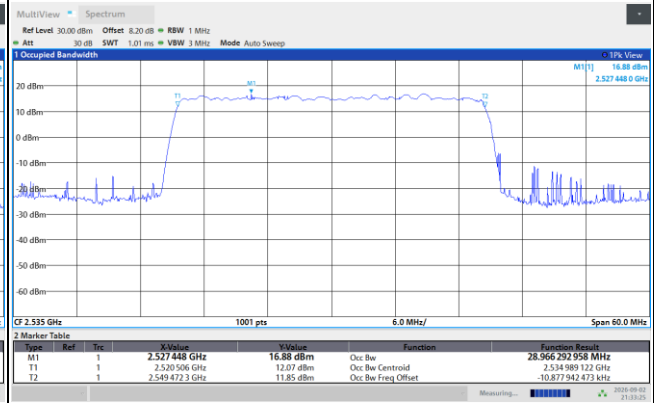
FR1 n7 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



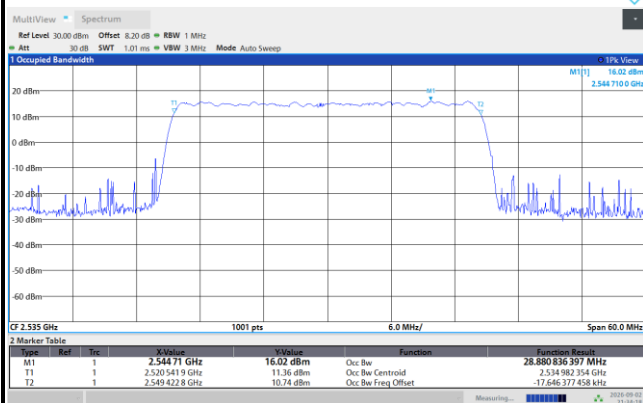
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QPSK



09:33:26 PM 09/02/2026

16QAM

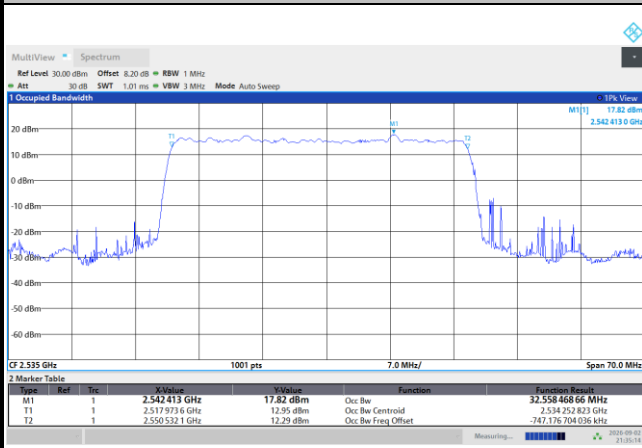


09:34:19 PM 09/02/2026



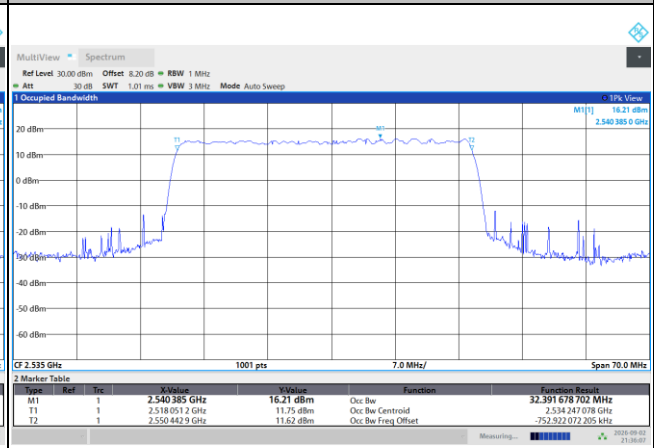
FR1 n7 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



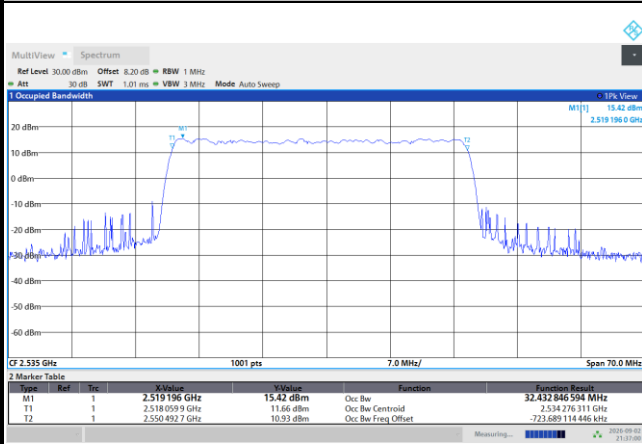
09:35:14 PM 09/02/2026

QPSK



09:36:07 PM 09/02/2026

16QAM

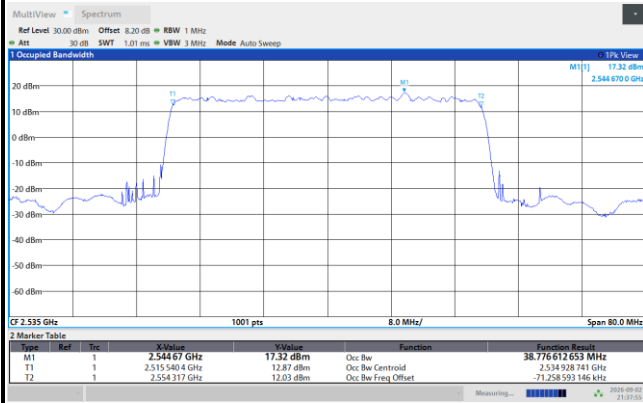


09:37:00 PM 09/02/2026



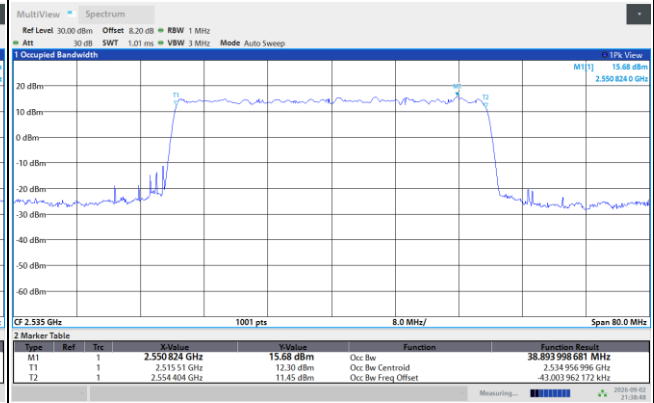
FR1 n7 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



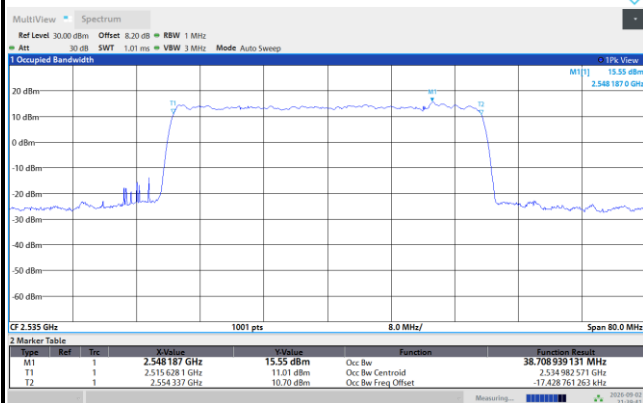
09:37:55 PM 09/02/2024

QPSK



09:38:48 PM 09/02/2024

16QAM

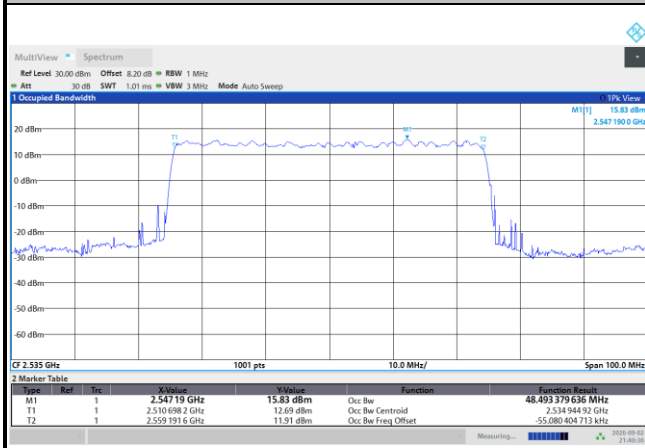


09:39:41 PM 09/02/2024



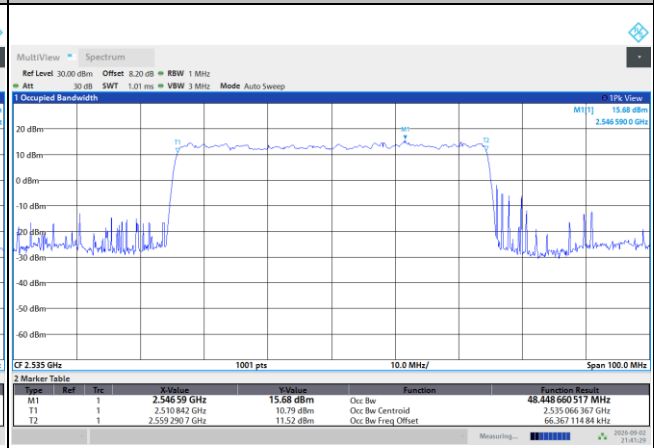
FR1 n7 / 50MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



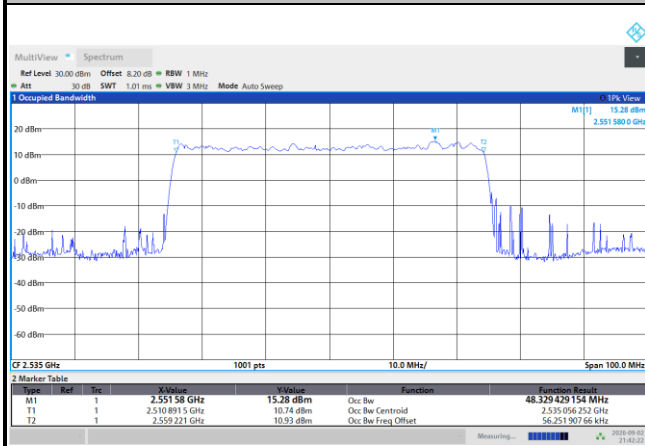
09:40:36 PM 09/02/2026

QPSK



09:41:29 PM 09/02/2026

16QAM



09:42:22 PM 09/02/2026

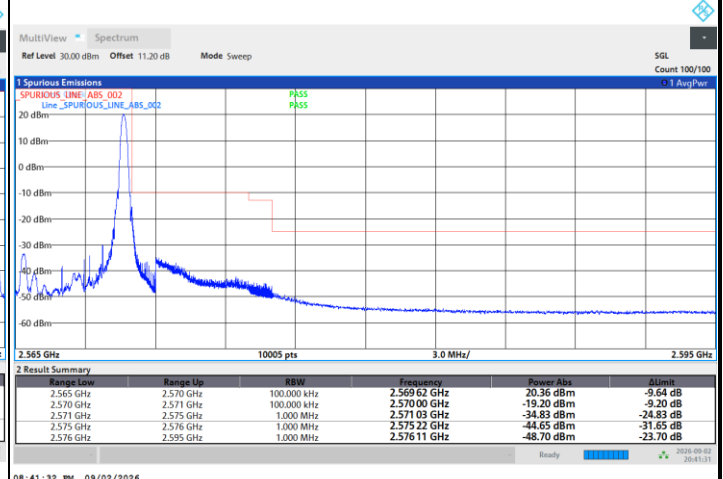
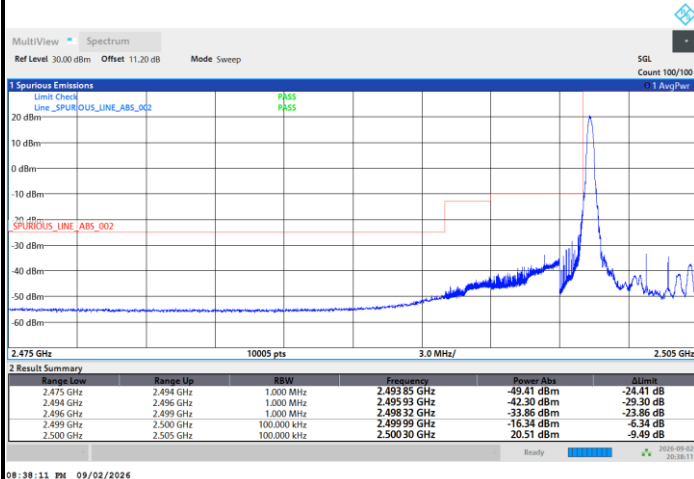


Conducted Band Edge

FR1 n7 / 5MHz / DFT-S OFDM / PI/2 BPSK

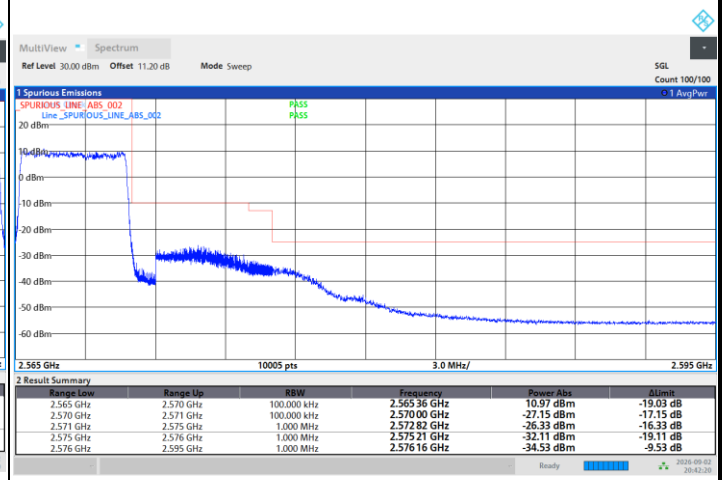
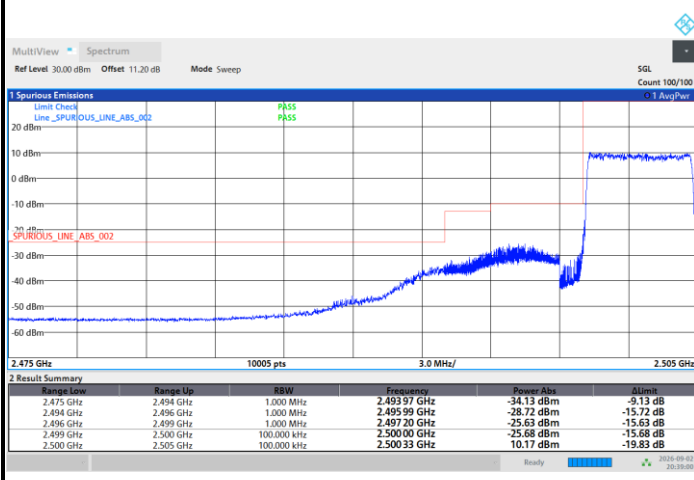
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

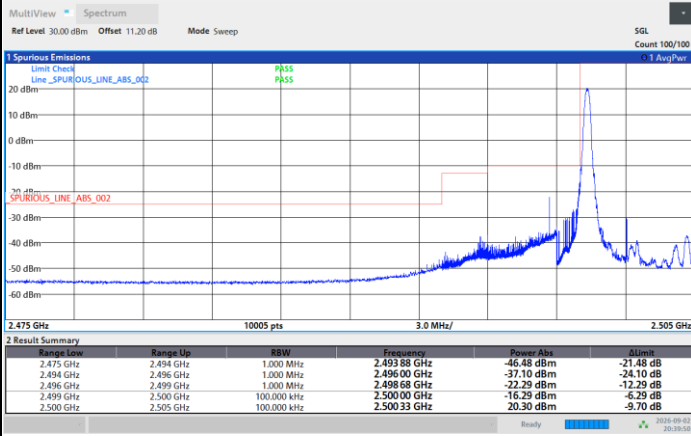




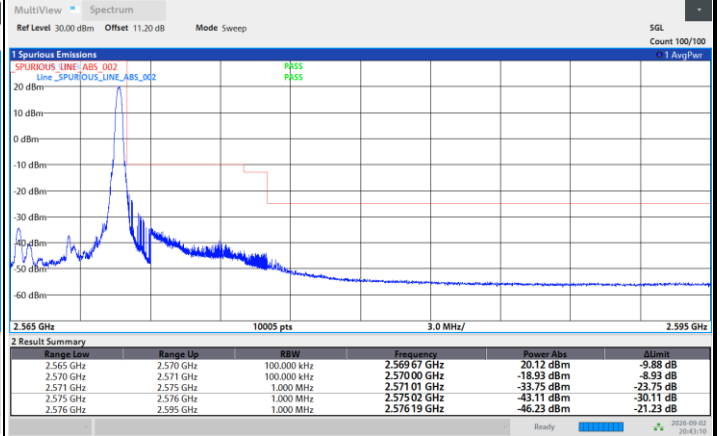
FR1 n7 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



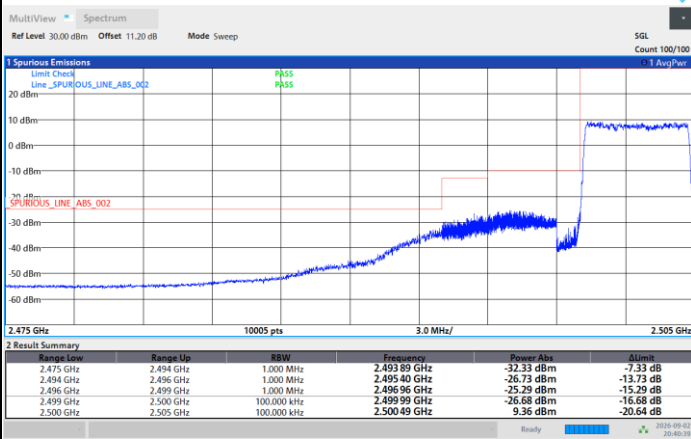
08:39:51 PM 09/02/2026



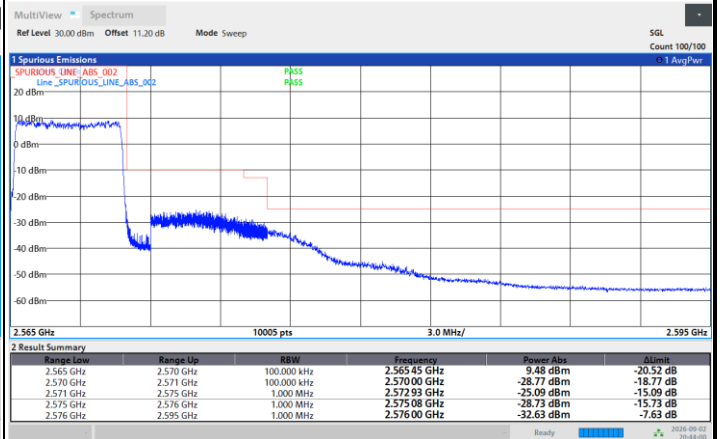
08:43:11 PM 09/02/2026

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



08:40:40 PM 09/02/2026

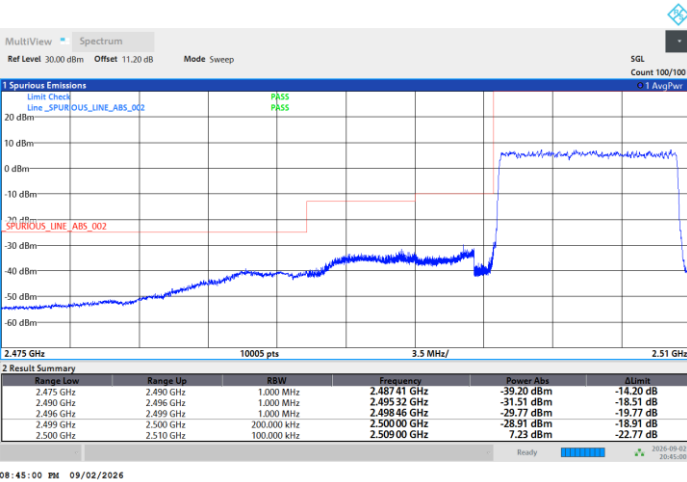


08:44:01 PM 09/02/2026



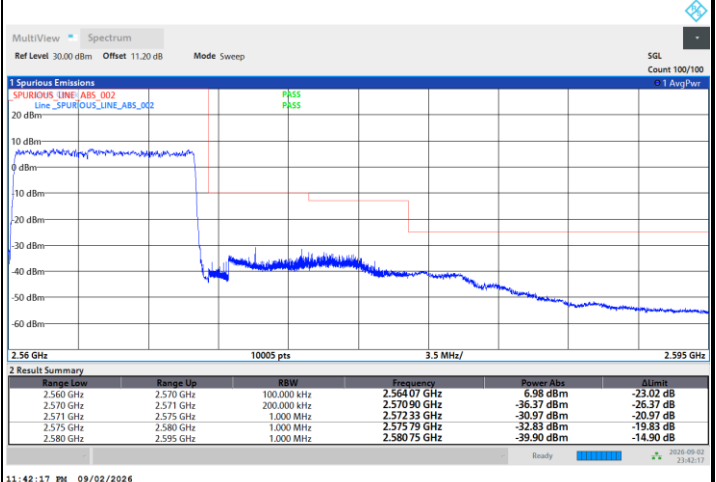
FR1 n7 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB



08:45:00 PM 09/02/2026

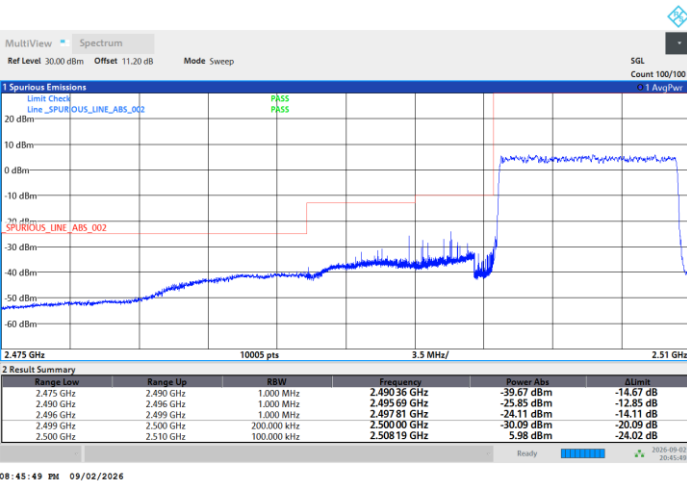
Highest Band Edge / Full RB



11:42:17 PM 09/02/2026

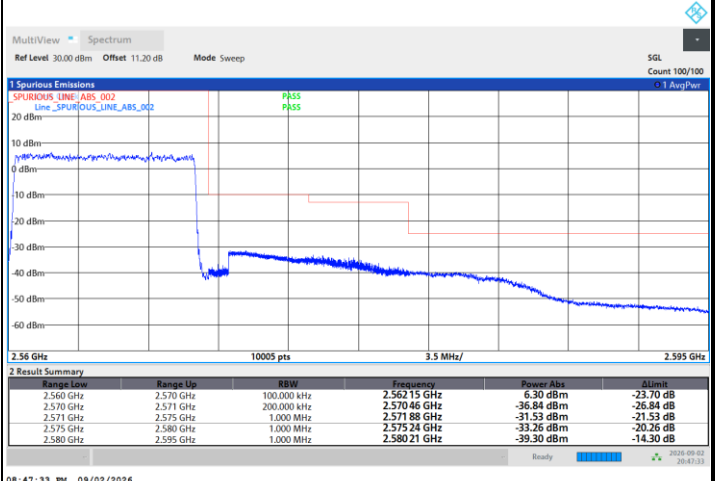
FR1 n7 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



08:45:49 PM 09/02/2026

Highest Band Edge / Full RB

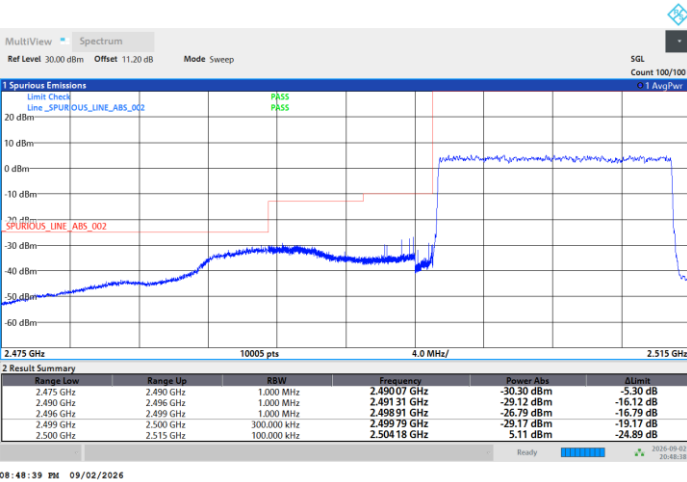


08:47:33 PM 09/02/2026



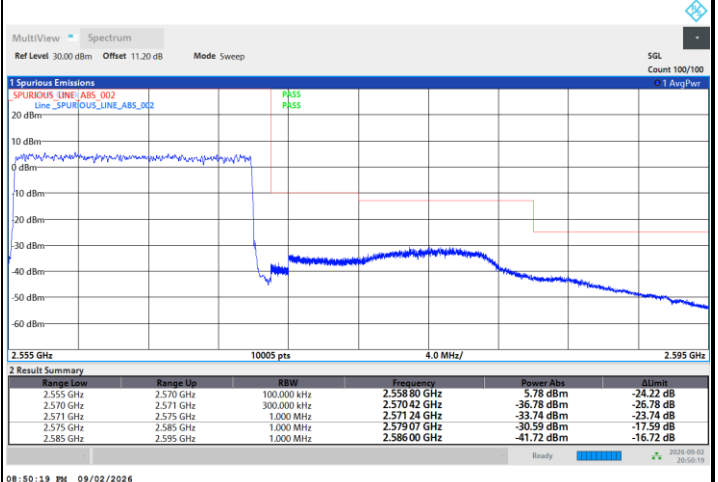
FR1 n7 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB



08:48:39 PM 09/02/2026

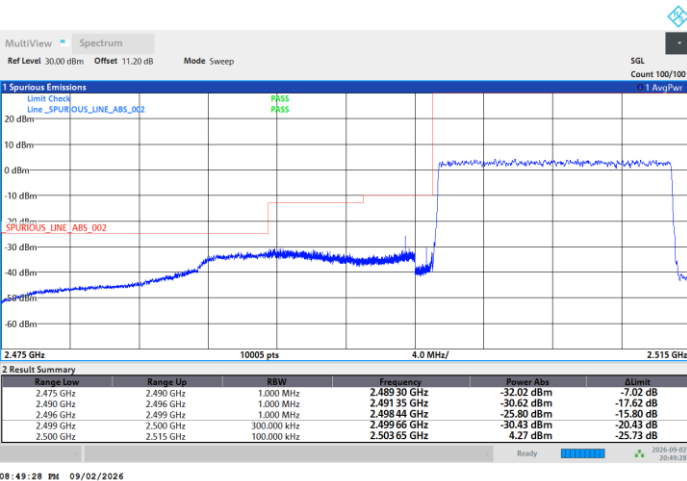
Highest Band Edge / Full RB



08:50:19 PM 09/02/2026

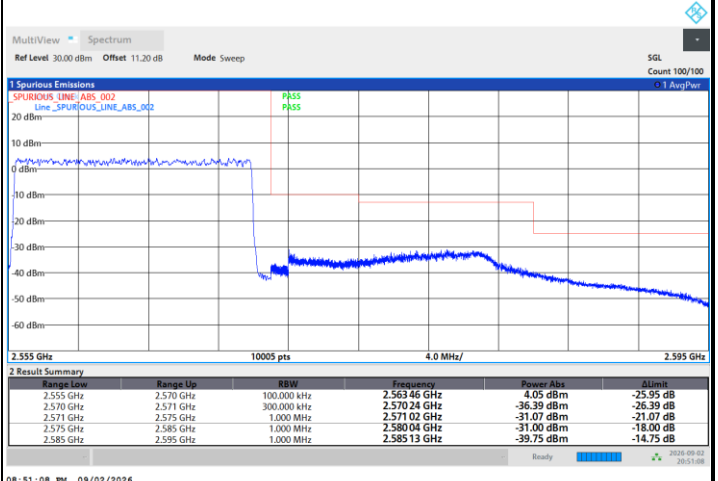
FR1 n7 / 15MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



08:49:28 PM 09/02/2026

Highest Band Edge / Full RB

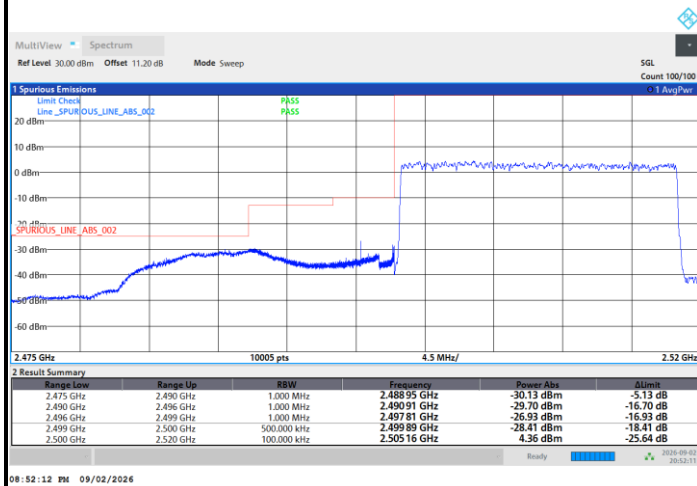


08:51:08 PM 09/02/2026

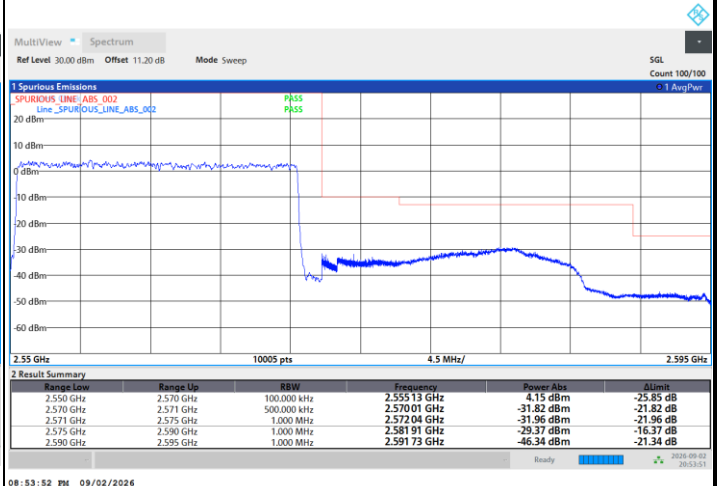


FR1 n7 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

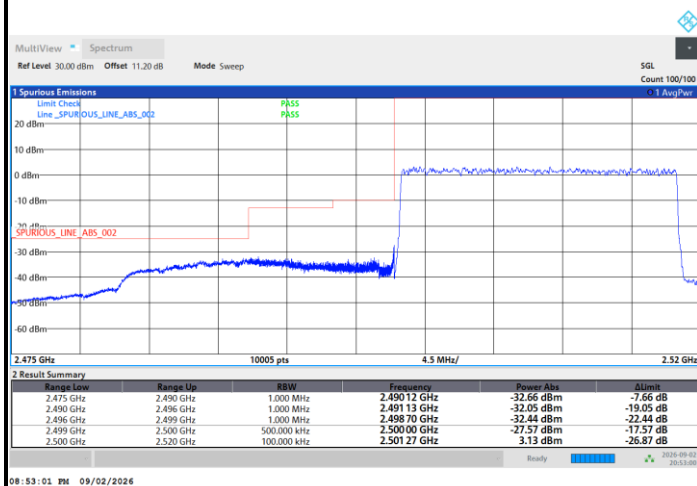


Highest Band Edge / Full RB

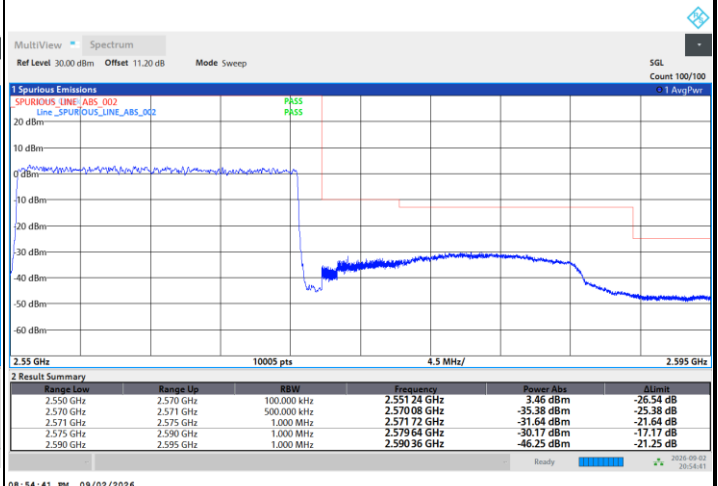


FR1 n7 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



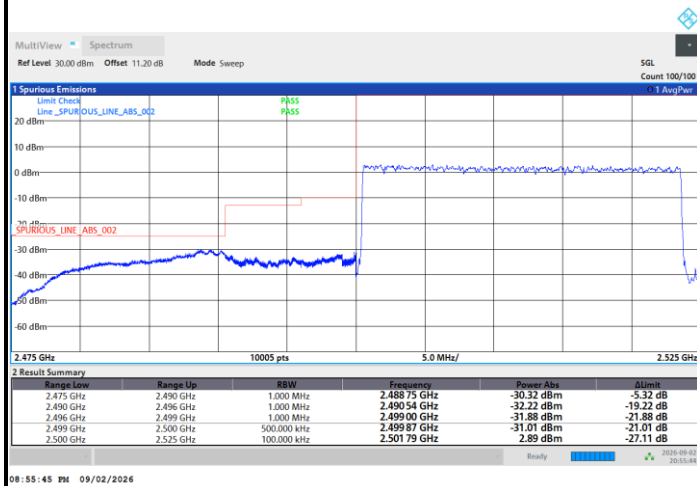
Highest Band Edge / Full RB



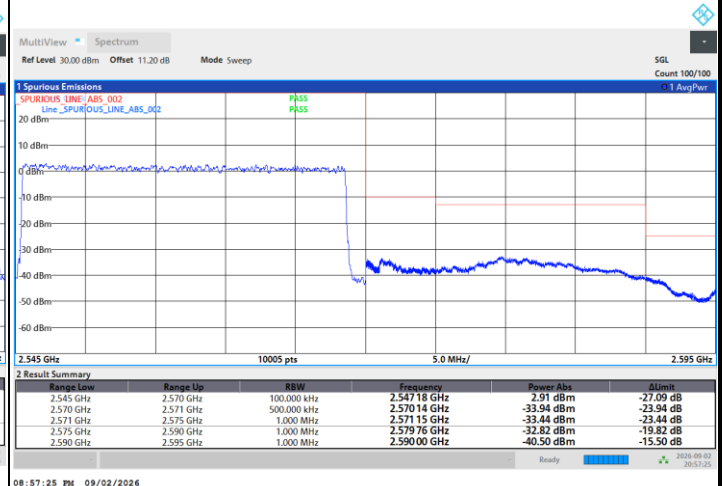


FR1 n7 / 25MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

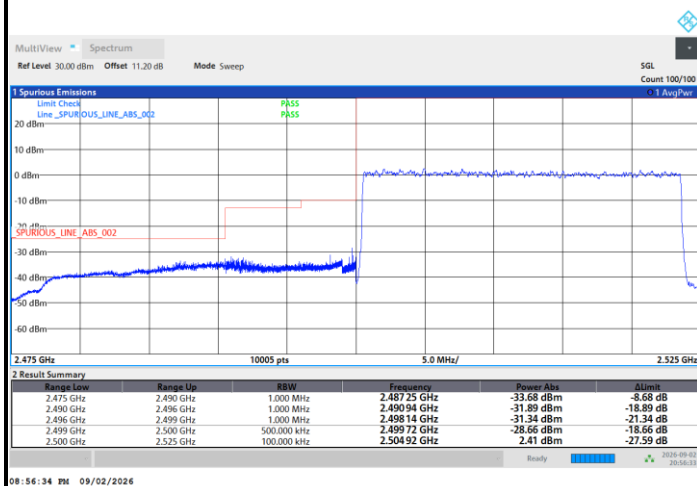


Highest Band Edge / Full RB

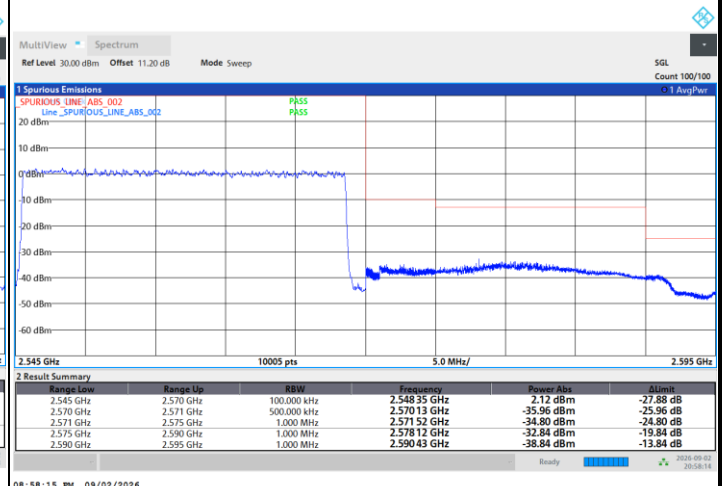


FR1 n7 / 25MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



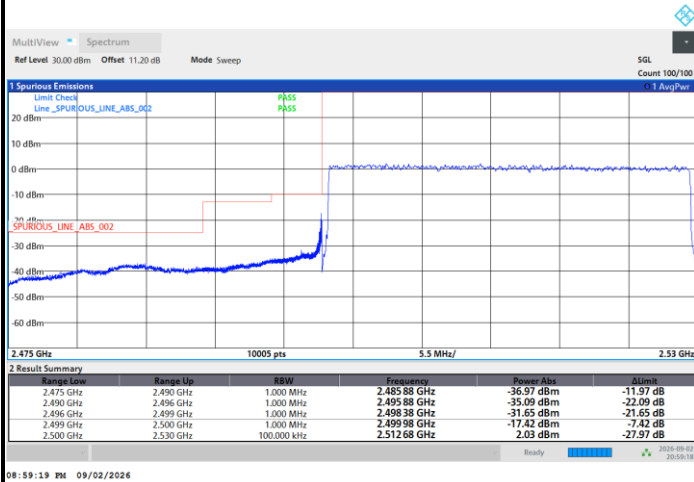
Highest Band Edge / Full RB



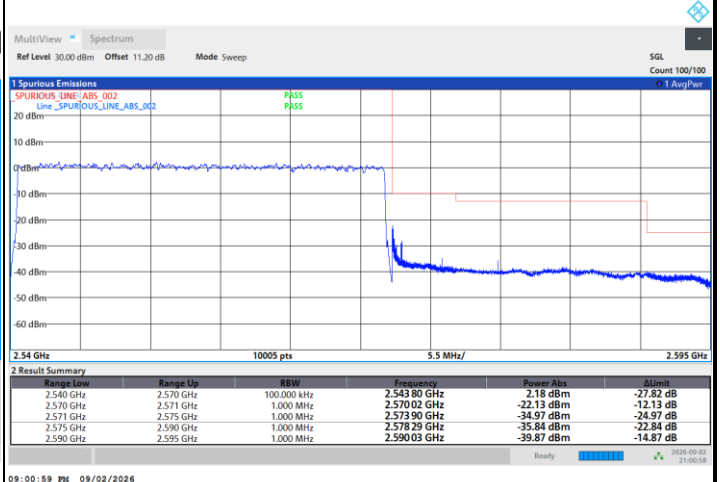


FR1 n7 / 30MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

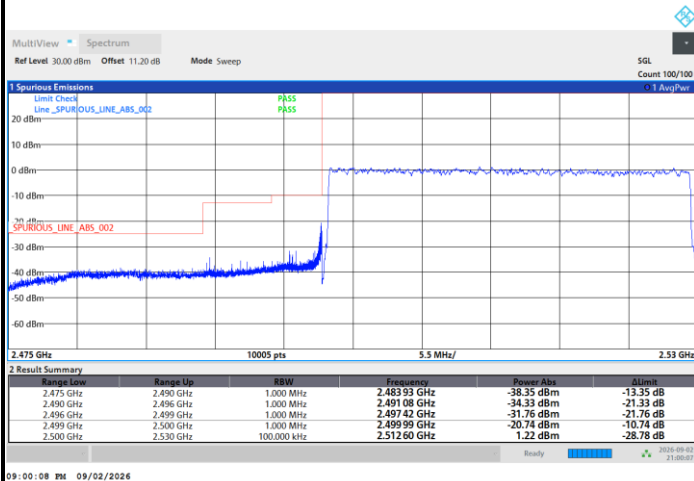


Highest Band Edge / Full RB

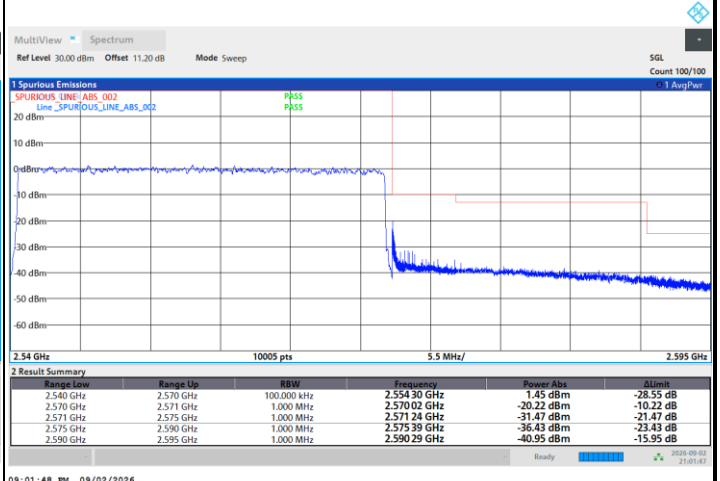


FR1 n7 / 30MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



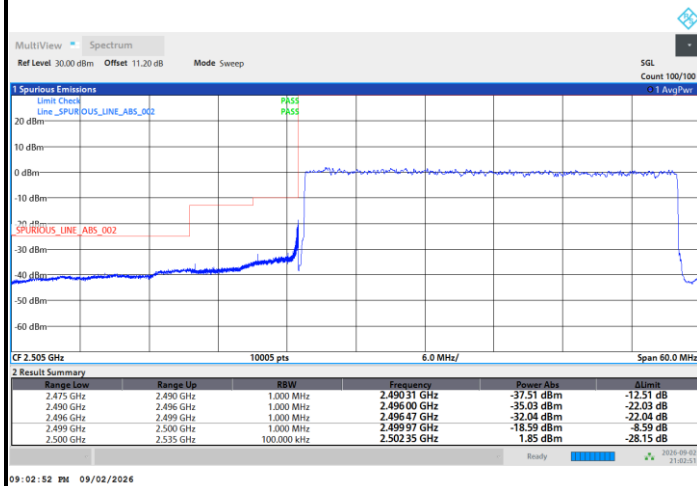
Highest Band Edge / Full RB



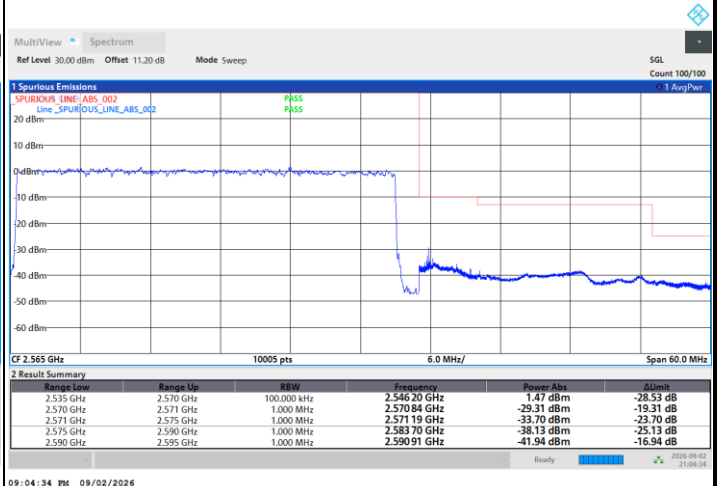


FR1 n7 / 35MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

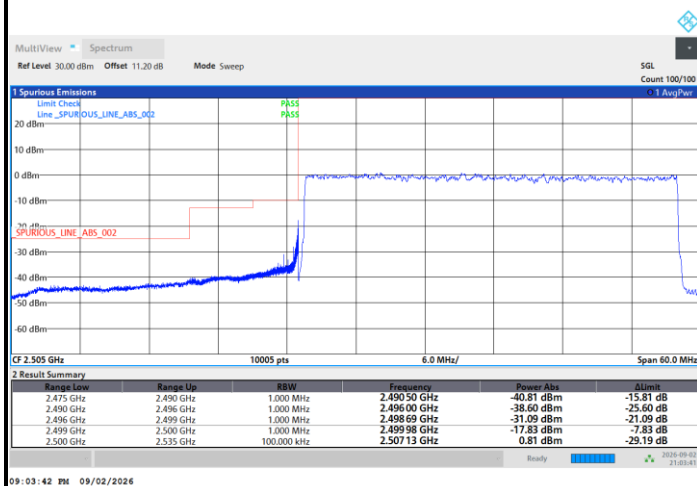


Highest Band Edge / Full RB

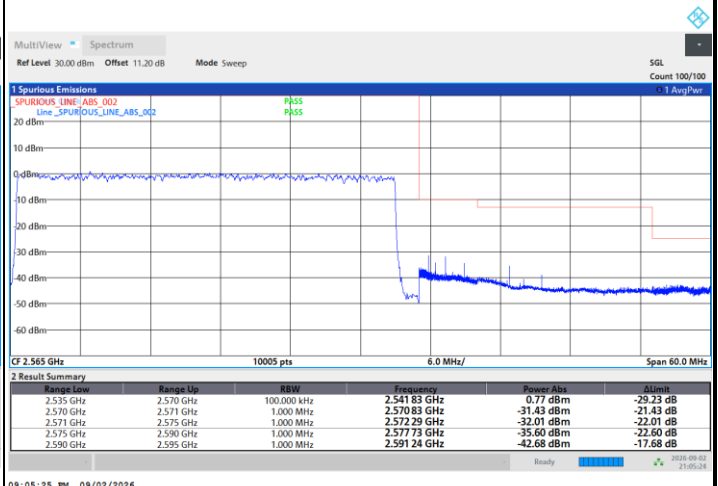


FR1 n7 / 35MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



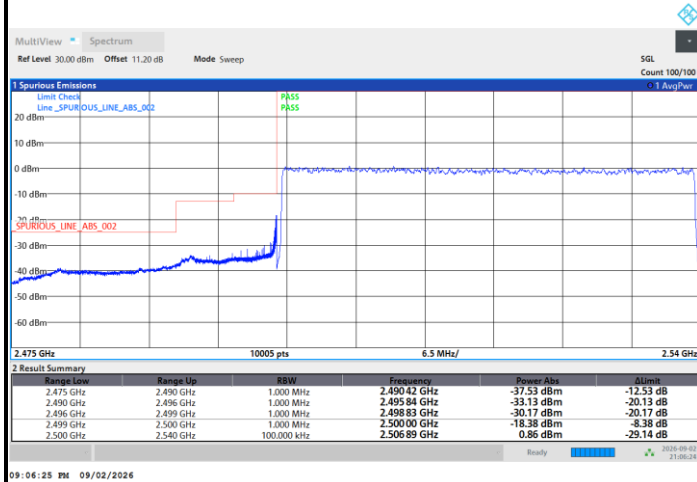
Highest Band Edge / Full RB



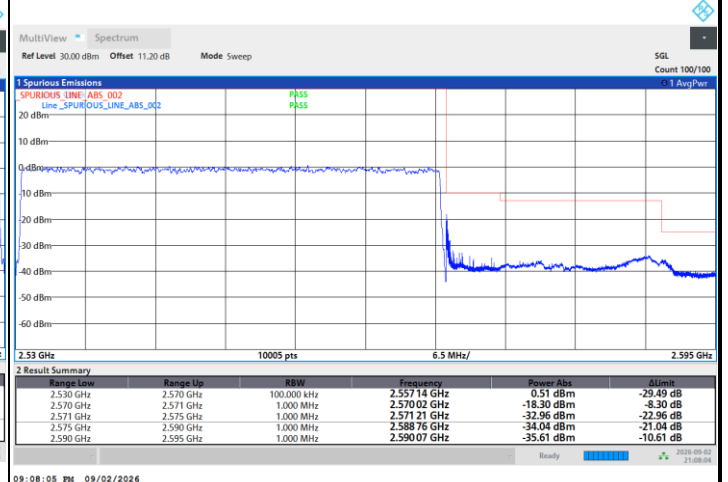


FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

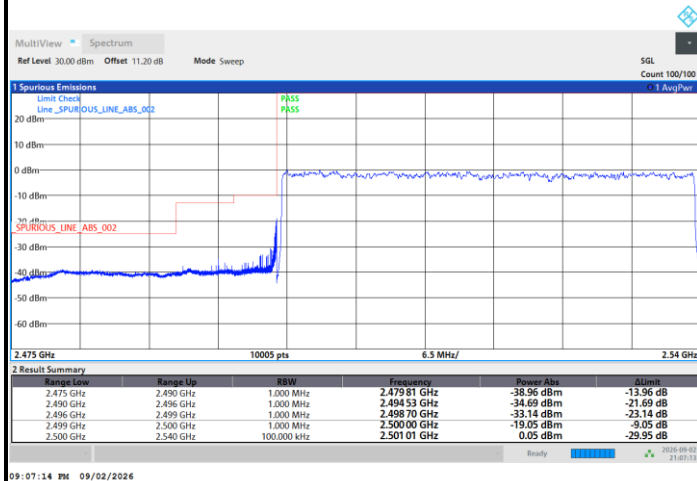


Highest Band Edge / Full RB

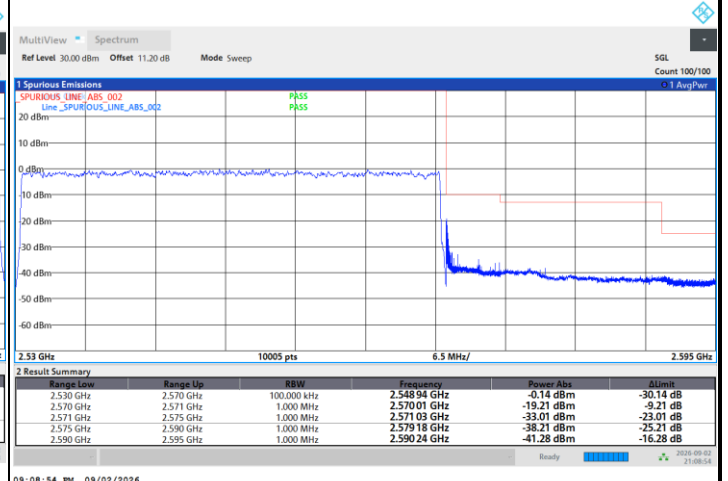


FR1 n7 / 40MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



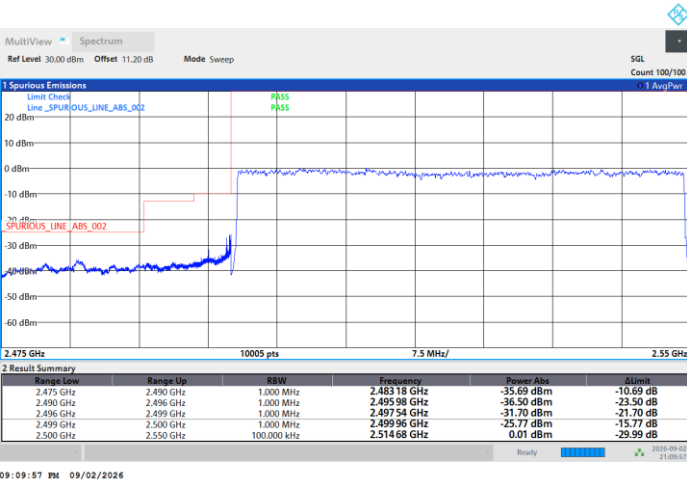
Highest Band Edge / Full RB





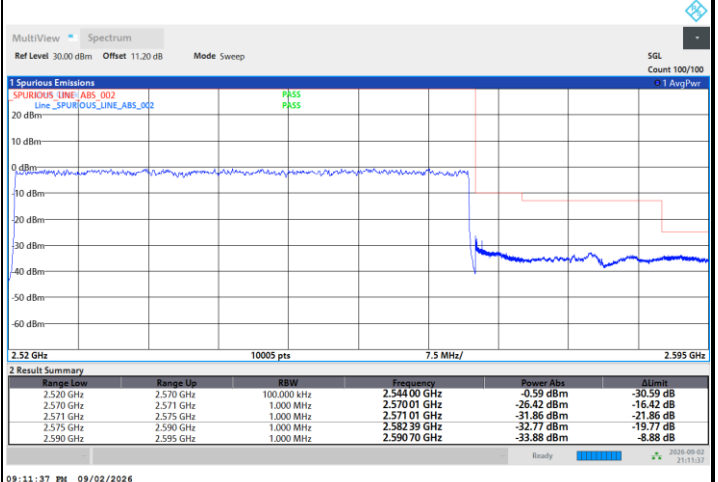
FR1 n7 / 50MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB



09:09:57 PM 09/02/2026

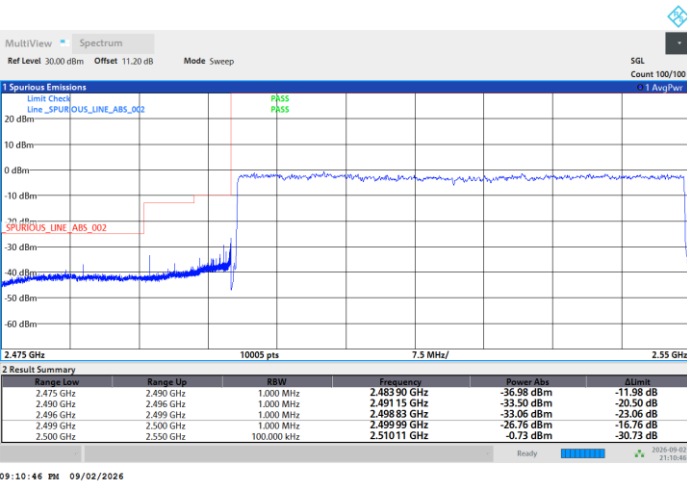
Highest Band Edge / Full RB



09:11:37 PM 09/02/2026

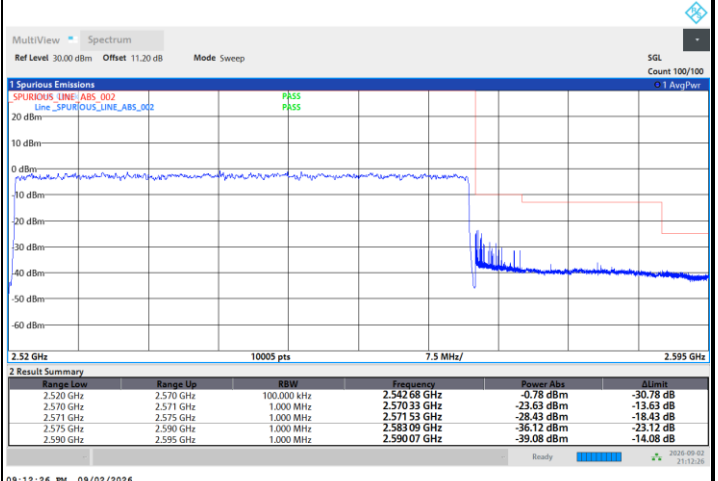
FR1 n7 / 50MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



09:10:46 PM 09/02/2026

Highest Band Edge / Full RB



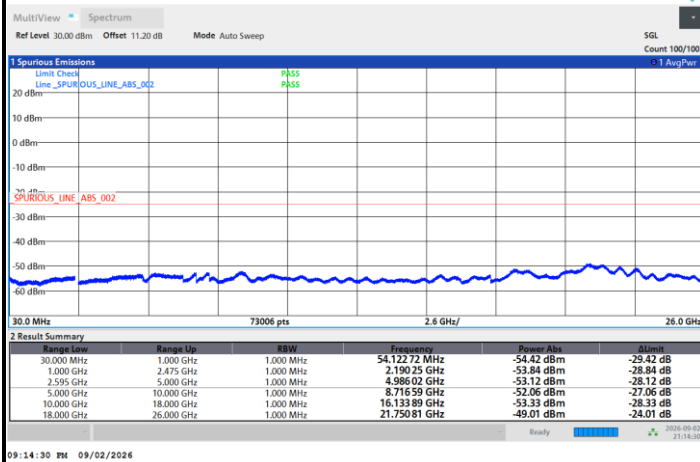
09:12:26 PM 09/02/2026



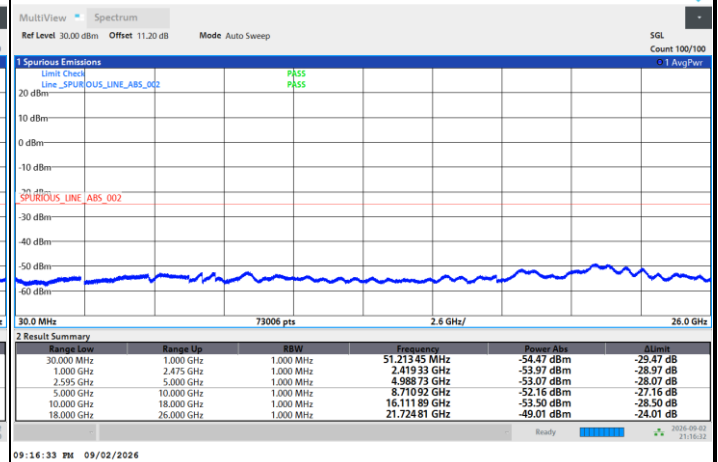
Conducted Spurious Emission

FR1 n7 / 5MHz / DFT-S OFDM / QPSK / 1RB1

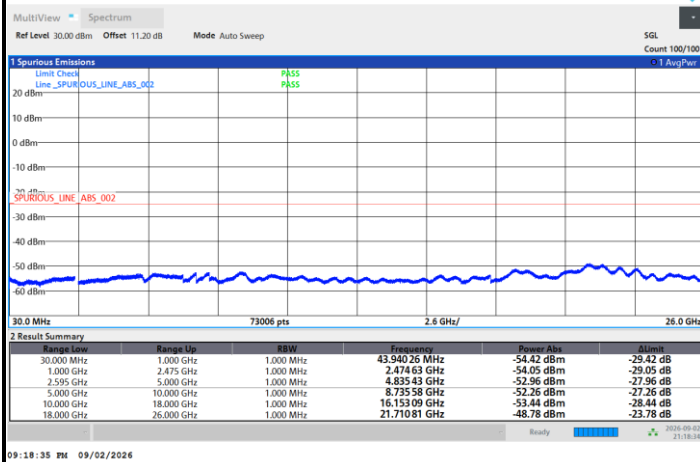
Lowest Channel



Middle Channel



Highest Channel



**Frequency Stability**

Test Conditions		FR1 n7 (BPSK) / Middle Channel 10M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0013	-3.3	Yes	PASS
40	Normal Voltage	0.0047	11.9	Yes	
30	Normal Voltage	0.0062	15.6	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0049	12.5	Yes	
0	Normal Voltage	0.0007	-1.9	Yes	
-10	Normal Voltage	0.0005	1.3	Yes	
-20	Normal Voltage	0.0040	10.1	Yes	
-30	Normal Voltage	0.0060	15.3	Yes	
20	Maximum Voltage	0.0010	2.6	Yes	
20	Normal Voltage	0.0000	0	Yes	
20	Minimum Voltage	0.0059	14.9	Yes	

Note:

1. Normal Voltage = 3.81 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.53 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 n7**

<SISO Mode>

<TxD Mode>

MIMO <Ant. 1+4> (Ant. 4)**Peak-to-Average Ratio**

Mode	FR1 n7 / 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	4.10	5.16	5.80	6.54	PASS
Mode	FR1 n7 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.40				PASS