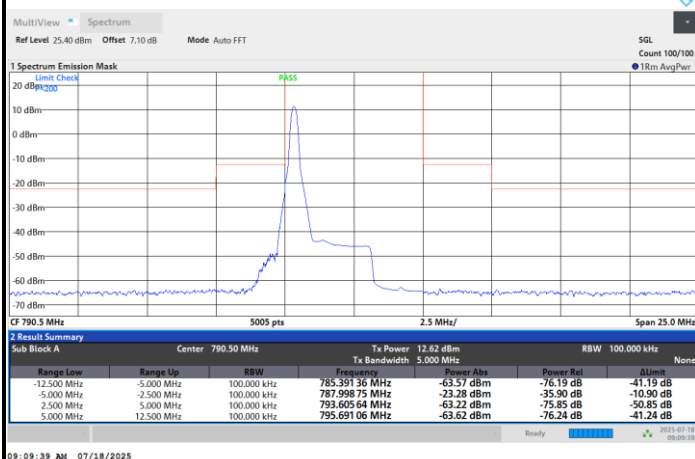


**Unwanted Emission (MASK)**

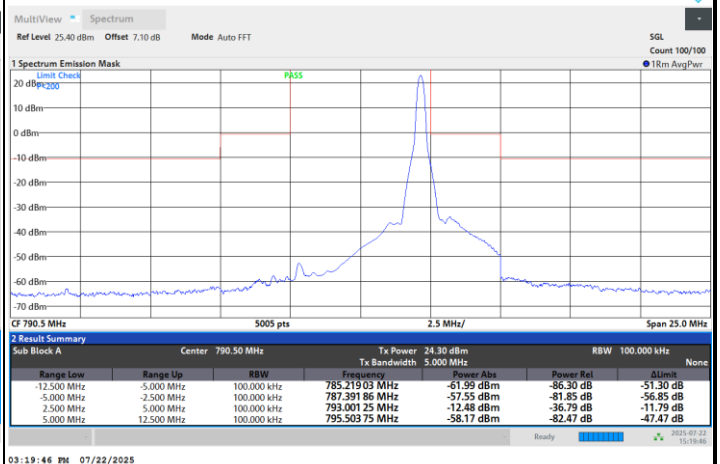
FR1 n14 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Channel

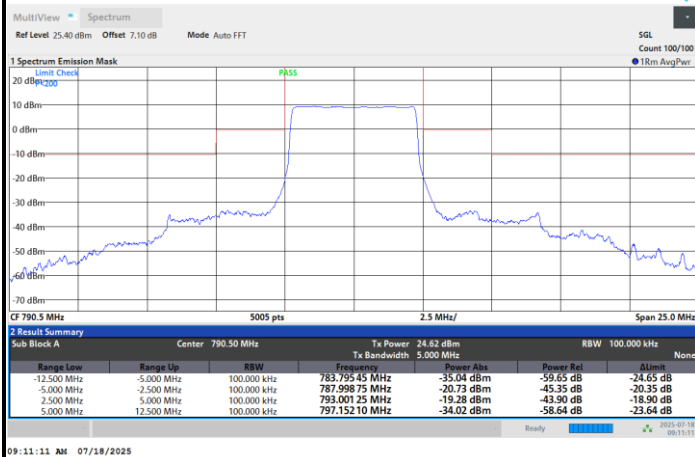
1RB0



1RBmax



Full RB

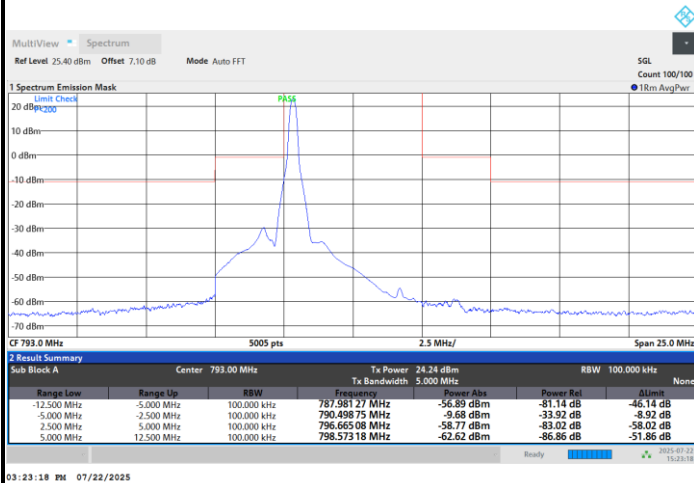




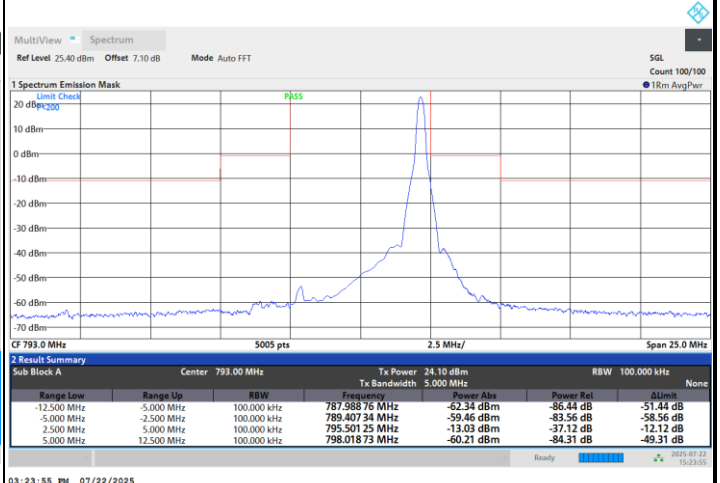
FR1 n14 / 5MHz / DFT-S OFDM / PI/2 BPSK

Middle Channel

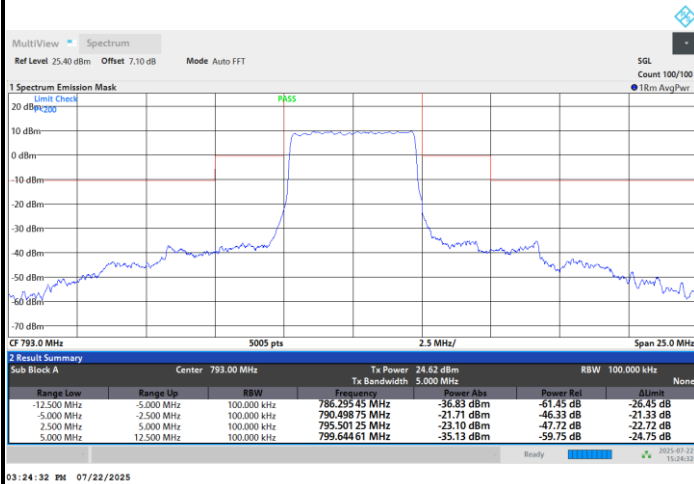
1RB0



1RBmax



Full RB

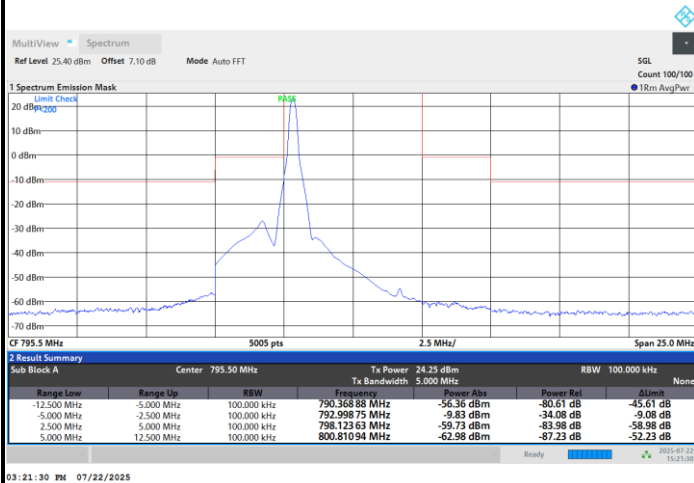




FR1 n14 / 5MHz / DFT-S OFDM / PI/2 BPSK

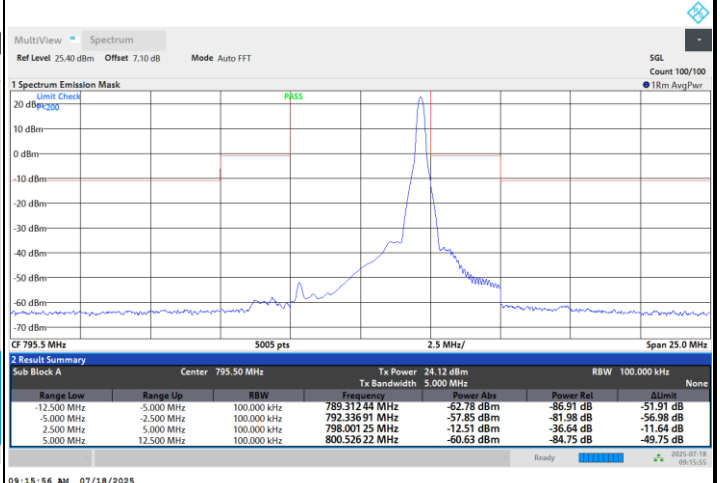
Highest Channel

1RB0



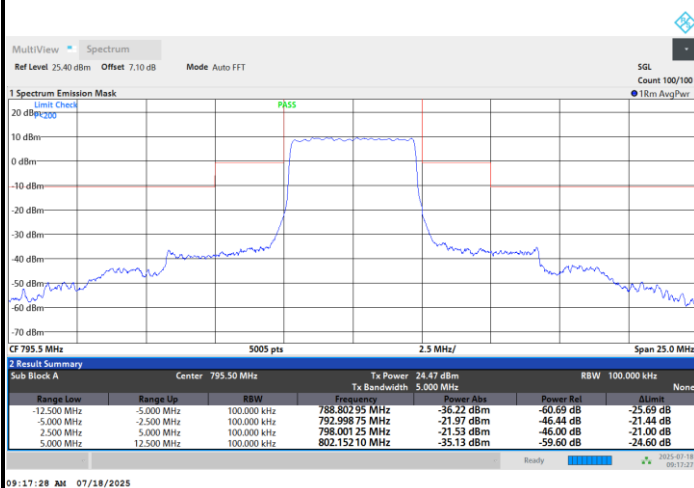
09:21:30 AM 07/22/2025

1RBmax



09:15:56 AM 07/18/2025

Full RB



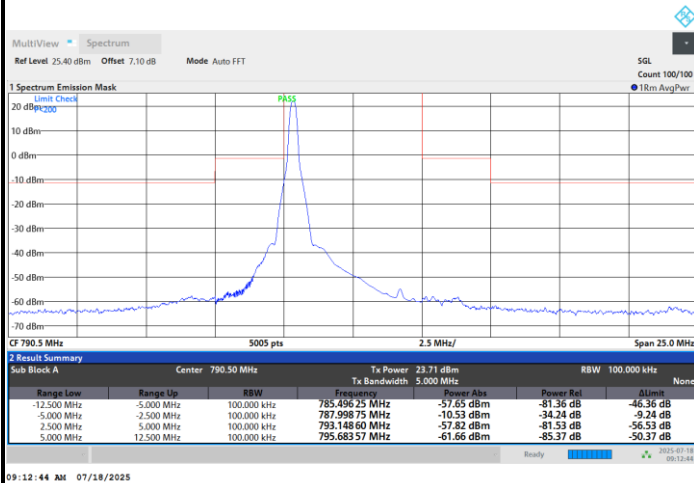
09:17:28 AM 07/18/2025



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

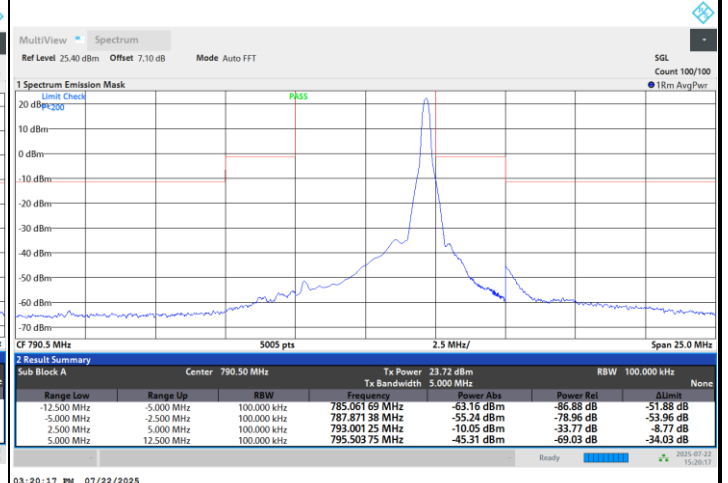
Lowest Channel

1RB0



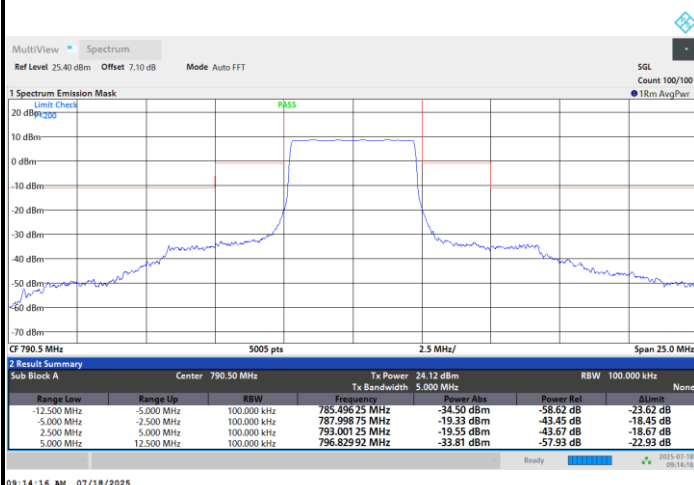
09:12:44 AM 07/18/2025

1RBmax



03:20:17 PM 07/22/2025

Full RB



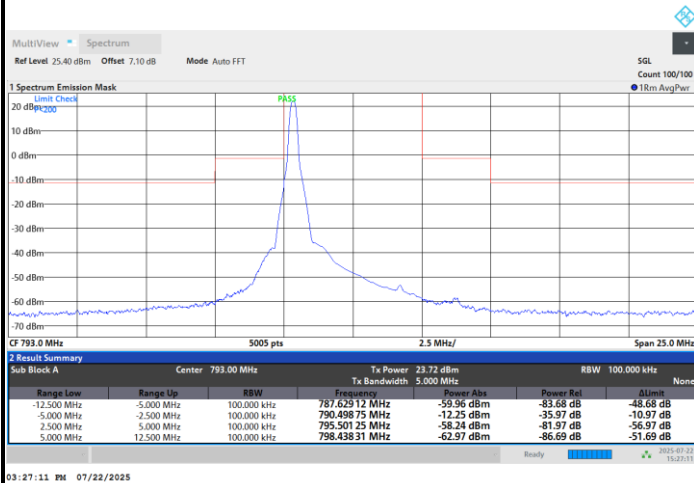
09:14:16 AM 07/18/2025



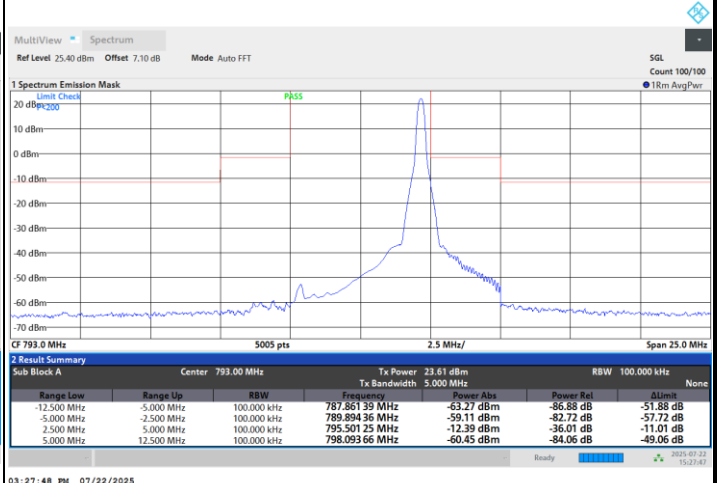
FR1 n14 / 5MHz / DFT-S OFDM / QPSK

Middle Channel

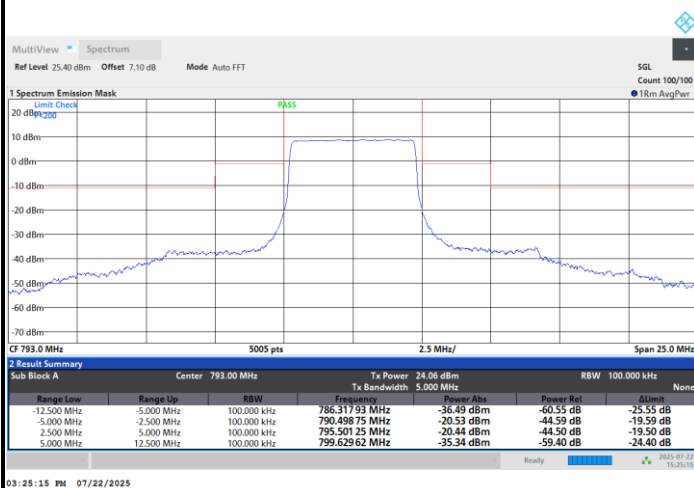
1RB0



1RBmax



Full RB

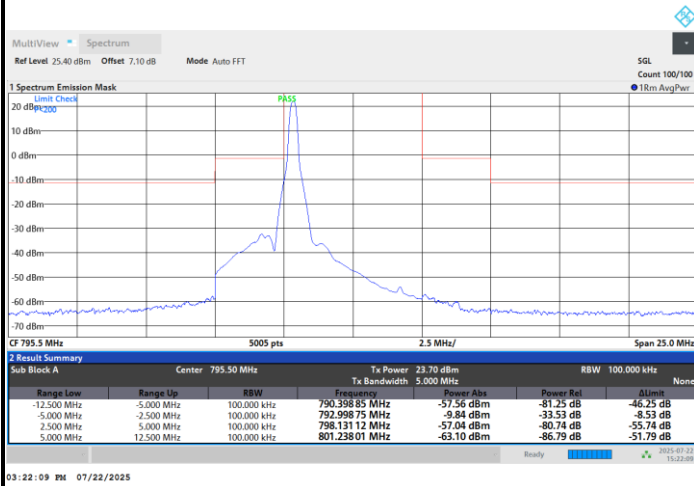




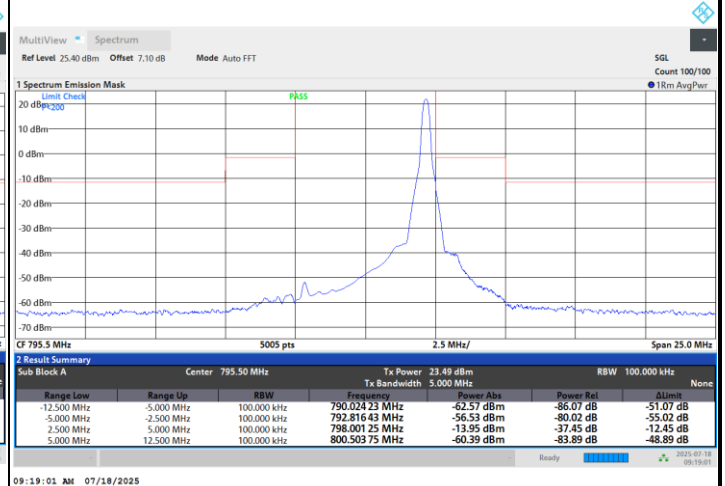
FR1 n14 / 5MHz / DFT-S OFDM / QPSK

Highest Channel

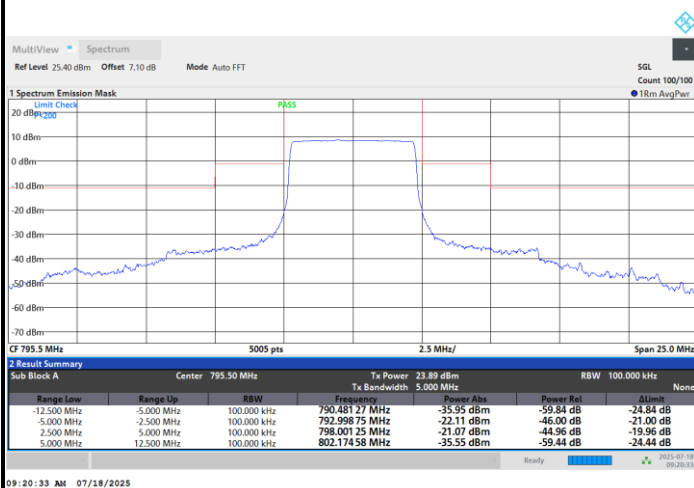
1RB0



1RBmax



Full RB

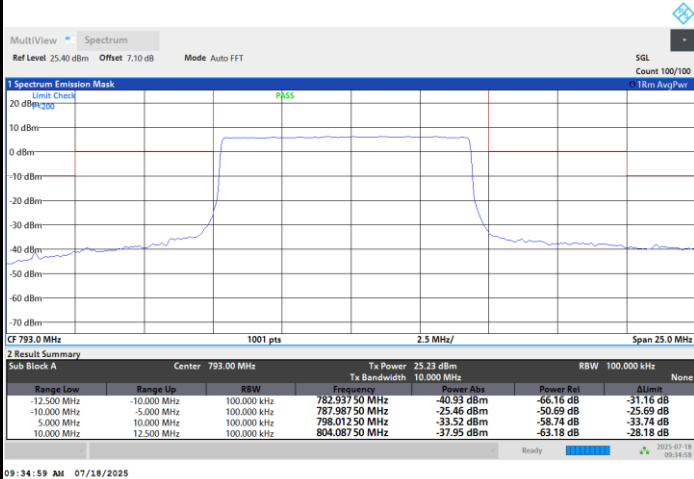




FR1 n14 / 10MHz / DFT-S OFDM / BPSK

Middle Channel

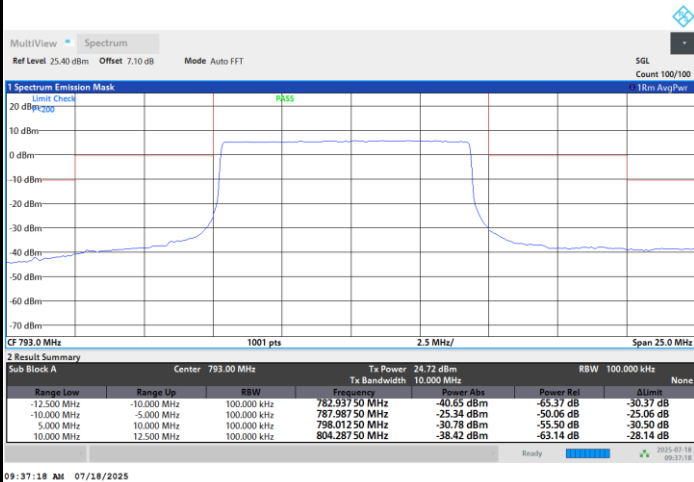
Full RB



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

Middle Channel

Full RB

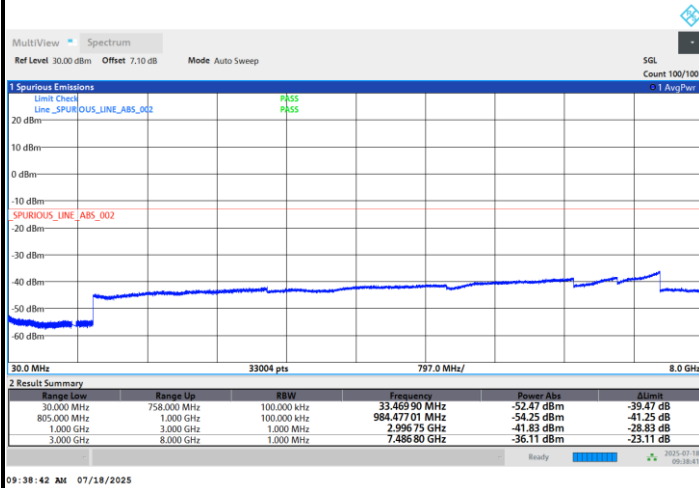




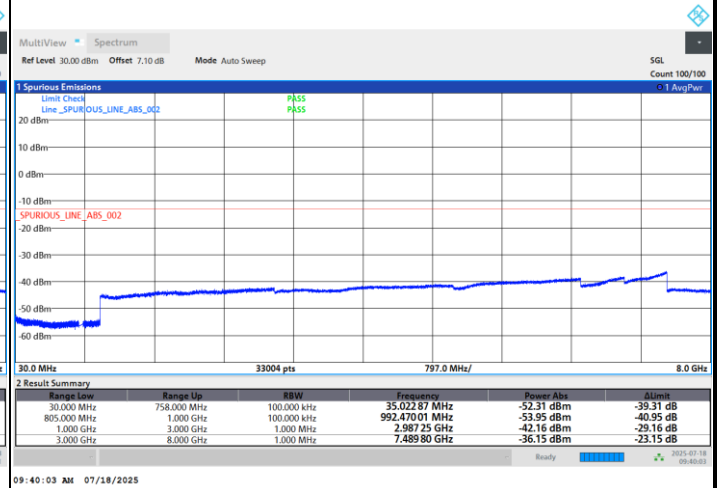
Conducted Spurious Emission

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

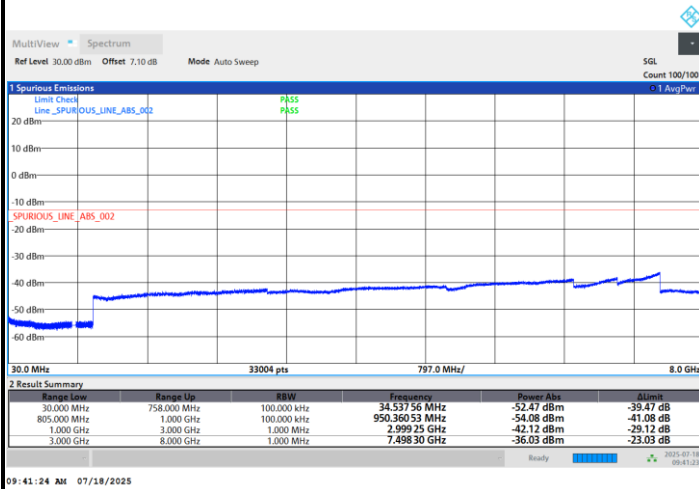
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n14 (BPSK) / Middle Channel 5M			
Temperature (°C)	Voltage (Volt)	Deviation (ppm)	Frequency Offset (Δf) (Hz)	Within Authorized Frequency Block(Hz)	Result
50	Normal Voltage	0.0144	2.5	Yes	PASS
40	Normal Voltage	0.0093	-7	Yes	
30	Normal Voltage	0.0163	-7.6	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0195	1.2	Yes	
0	Normal Voltage	0.0127	-4.7	Yes	
-10	Normal Voltage	0.0124	3.2	Yes	
-20	Normal Voltage	0.0250	9.4	Yes	
-30	Normal Voltage	0.0001	10.4	Yes	
20	Maximum Voltage	0.0069	-0.7	Yes	
20	Normal Voltage	0.0267	-6.1	Yes	
20	Minimum Voltage	0.0033	-1.5	Yes	

$|\text{MAX}(\Delta f)| = 10.4\text{Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	788.109990	$\geq 788 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	798.127010	$\leq 799 \text{ MHz}$	

Note:

1. Normal Voltage = 3.85 V. ; Minimum Voltage = 3.30 V. ; Maximum Voltage = 4.40 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.

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	0.0099	4.4	Yes	PASS
40	Normal Voltage	0.0025	-4.8	Yes	
30	Normal Voltage	0.0055	-2.1	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0098	13.3	Yes	
0	Normal Voltage	0.0096	10.7	Yes	
-10	Normal Voltage	0.0116	-1.8	Yes	
-20	Normal Voltage	0.0122	5	Yes	
-30	Normal Voltage	0.0095	-2.6	Yes	
20	Maximum Voltage	0.0134	11.9	Yes	
20	Normal Voltage	0.0010	-2.6	Yes	
20	Minimum Voltage	0.0110	12.9	Yes	

$|\text{MAX}(\Delta f)| = 13.3\text{Hz}$

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - \text{MAX}(\Delta f) $	788.179987	$\geq 788 \text{ MHz}$	PASS
$f_H + \text{MAX}(\Delta f) $	797.570013	$\leq 799 \text{ MHz}$	

Note:

- Normal Voltage = 3.85 V. ; Minimum Voltage = 3.30 V. ; Maximum Voltage = 4.40 V.
- The frequency fundamental emissions stay within the authorized frequency block.
- 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.

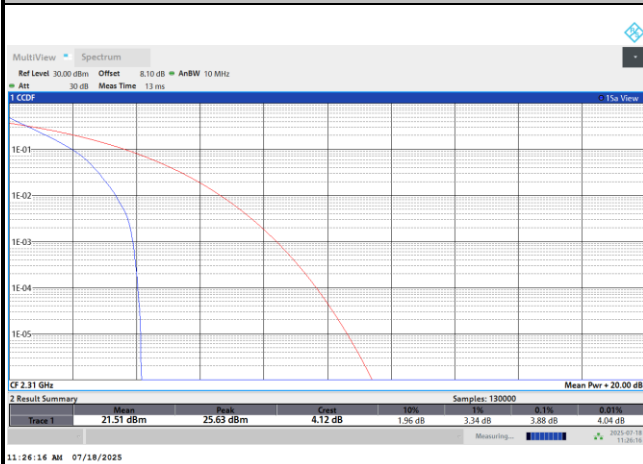
**FR1 n30****<SISO Mode>****Peak-to-Average Ratio**

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	3.88	5.32	6.30	6.48	PASS
Mode	FR1 n30 / 10MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.80				PASS

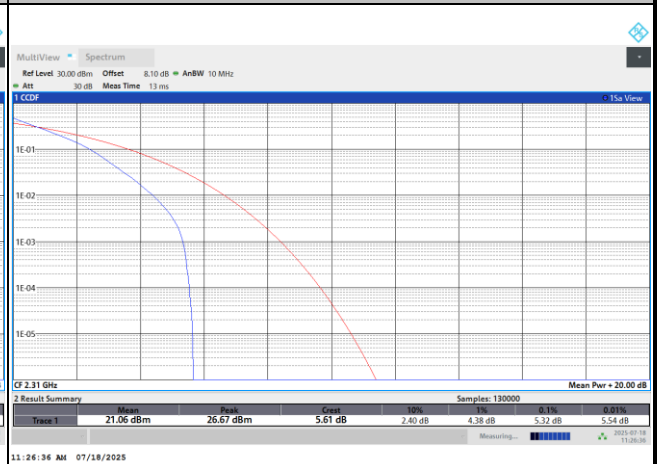


FR1 n30 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

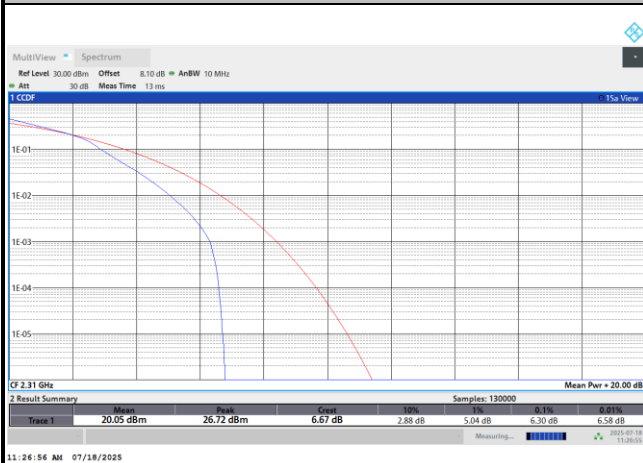
PI/2 BPSK



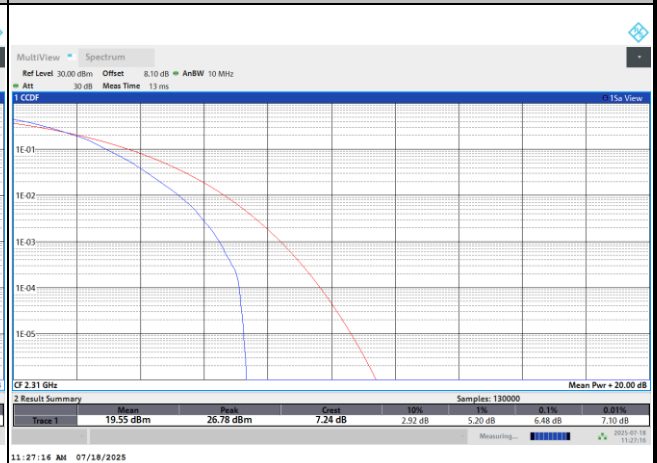
QPSK



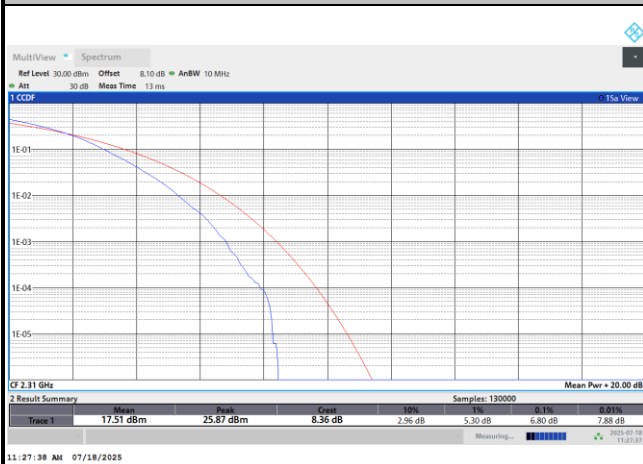
16QAM



64QAM



256QAM



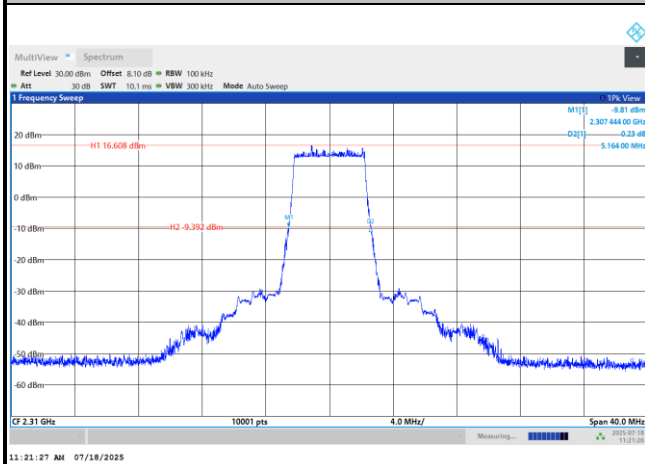
**26dB Bandwidth**

Mode	FR1 n30 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz					
Mod.	PI/2 BPSK	QPSK	PI/2 BPSK	QPSK				
Middle CH	5.16	5.27	10.05	10.66				
Mod.	16QAM		16QAM					
Middle CH	5.20		10.84					

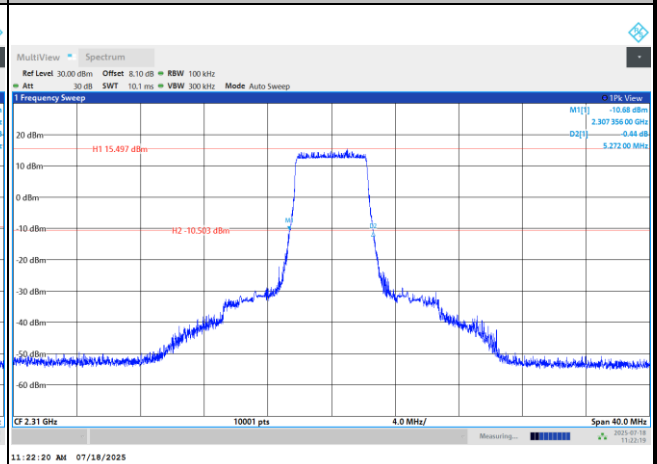


FR1 n30 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

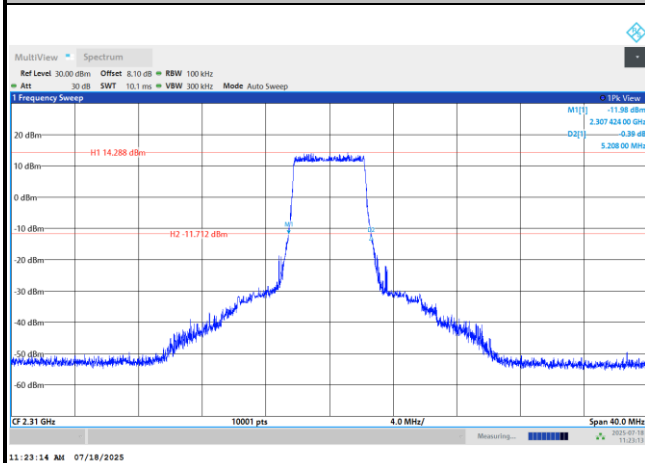
PI/2 BPSK



QPSK



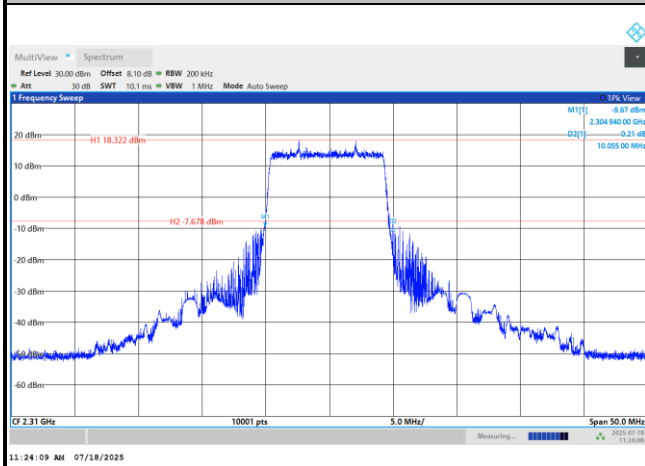
16QAM



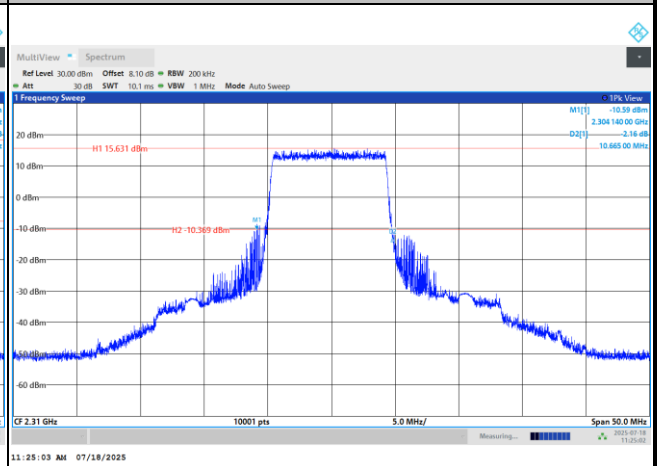


FR1 n30 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

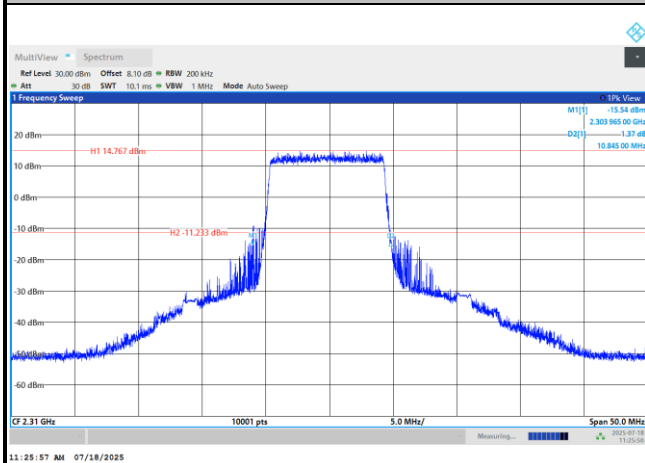
PI/2 BPSK



QPSK



16QAM



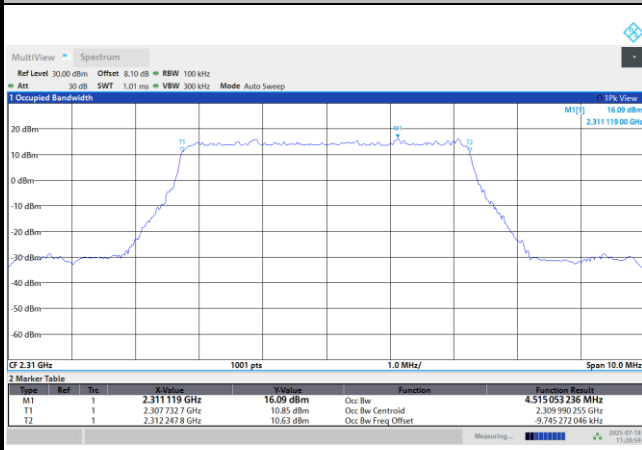
**Occupied Bandwidth**

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	4.51	9.00	8.98				
Mod.	16QAM		16QAM					
Middle CH	4.52		9.00					

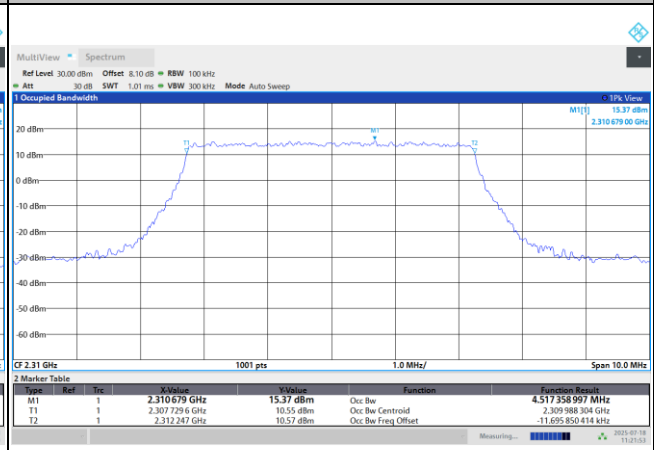


FR1 n30 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

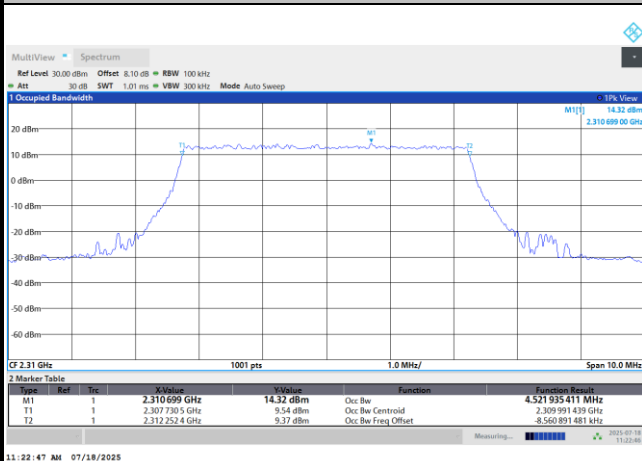
PI/2 BPSK



QPSK



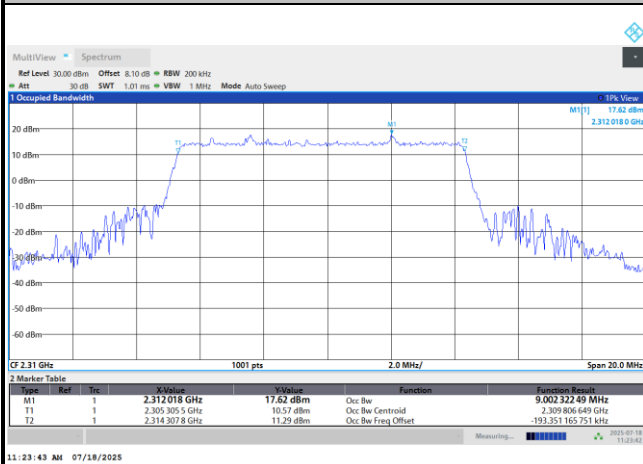
16QAM



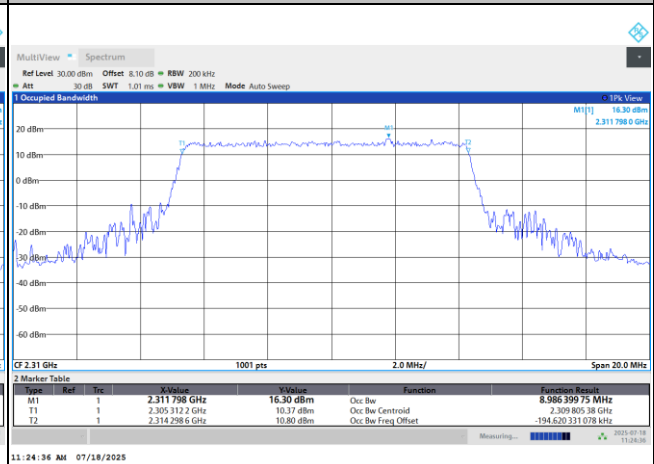


FR1 n30 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

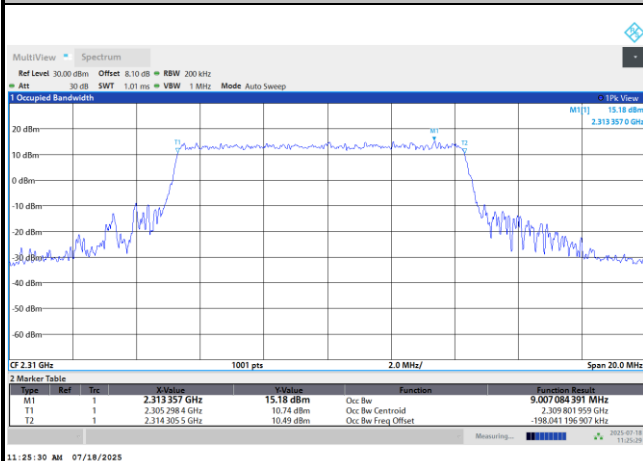
PI/2 BPSK



QPSK



16QAM



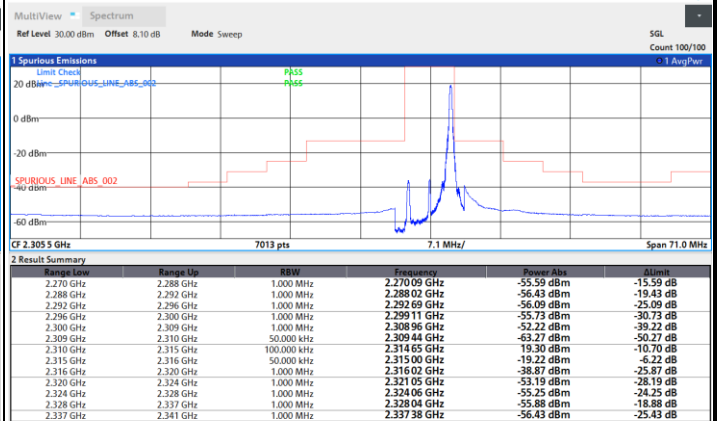
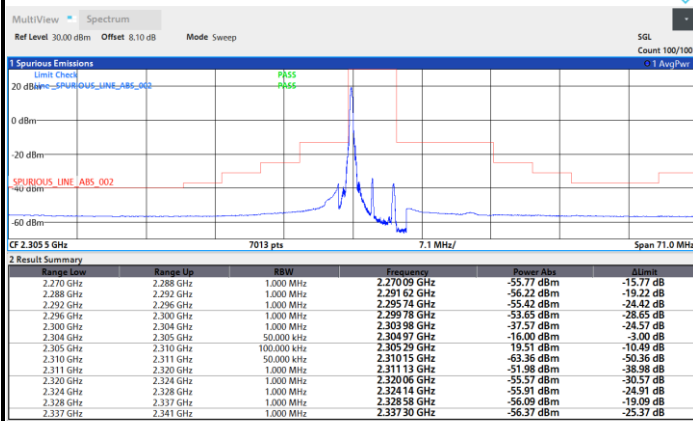


Conducted Band Edge

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

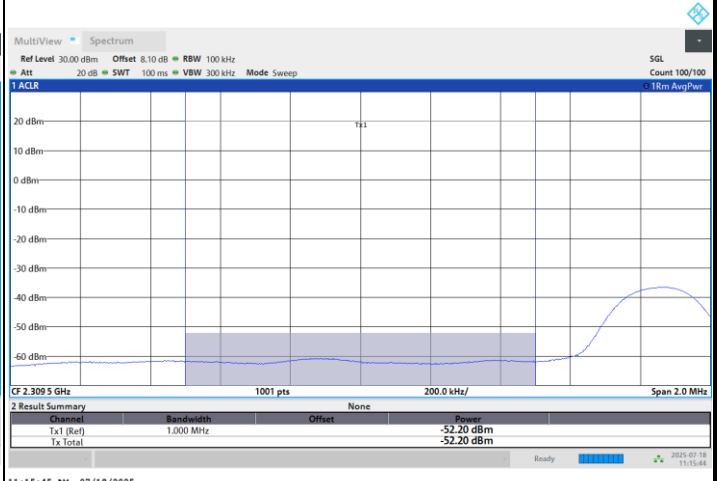
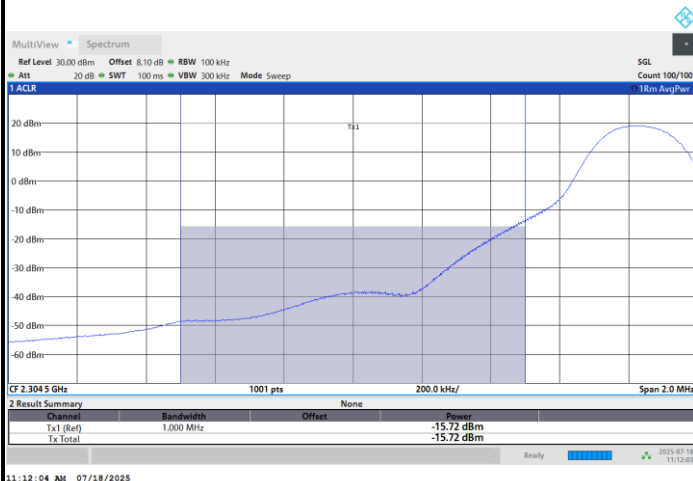
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / 1 RB / Lower zoom in

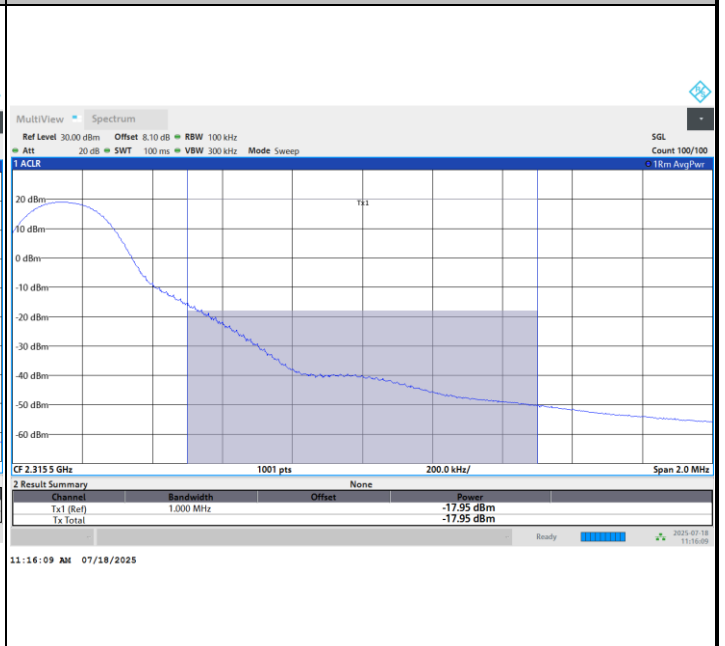
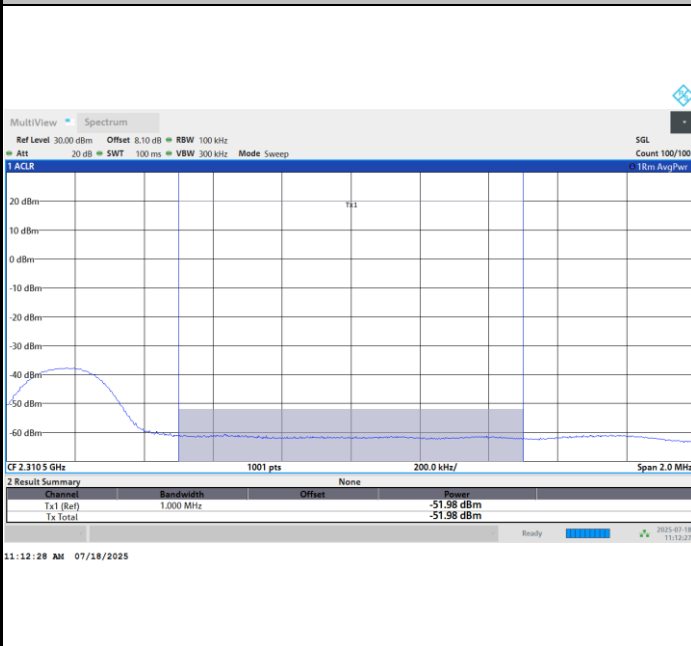
Highest Band Edge / 1 RB / Lower zoom in





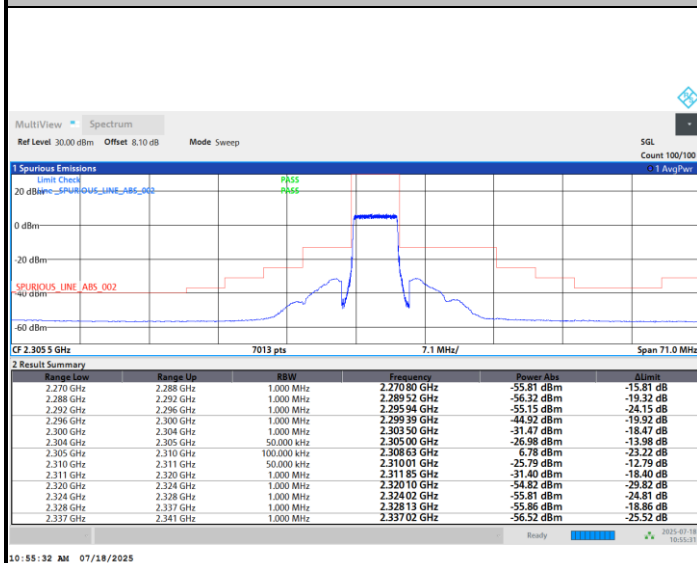
Lowest Band Edge / 1 RB / Upper zoom in

Highest Band Edge / 1 RB / Upper zoom in

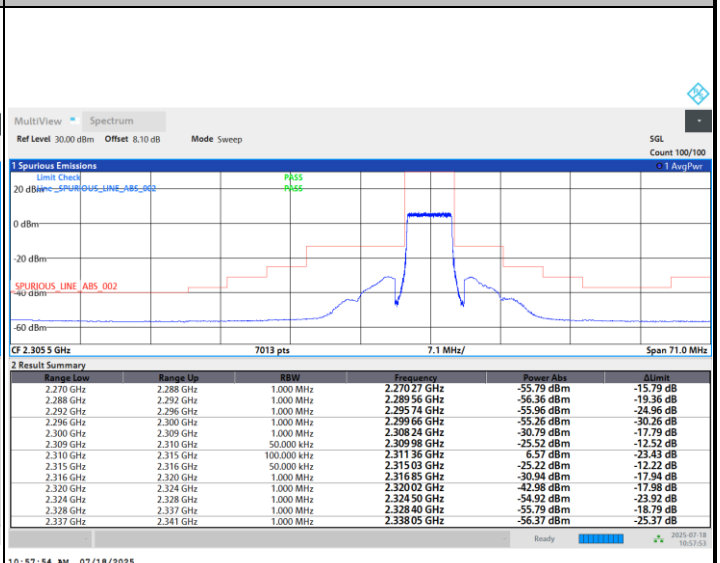




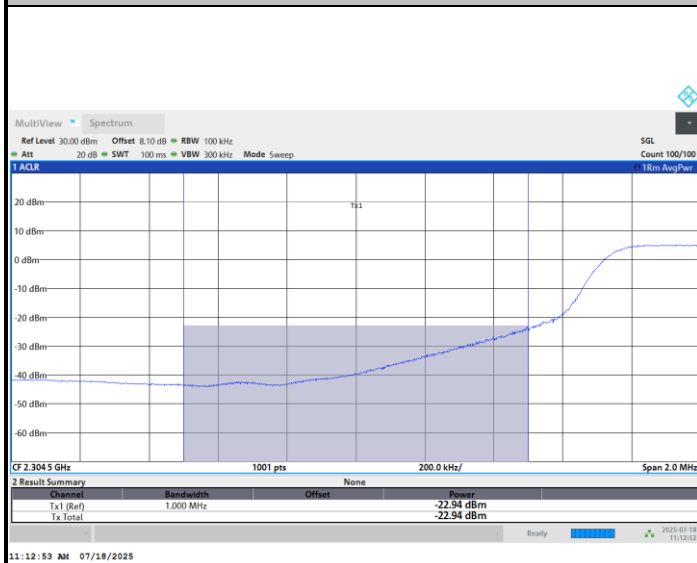
Lowest Band Edge / Full RB



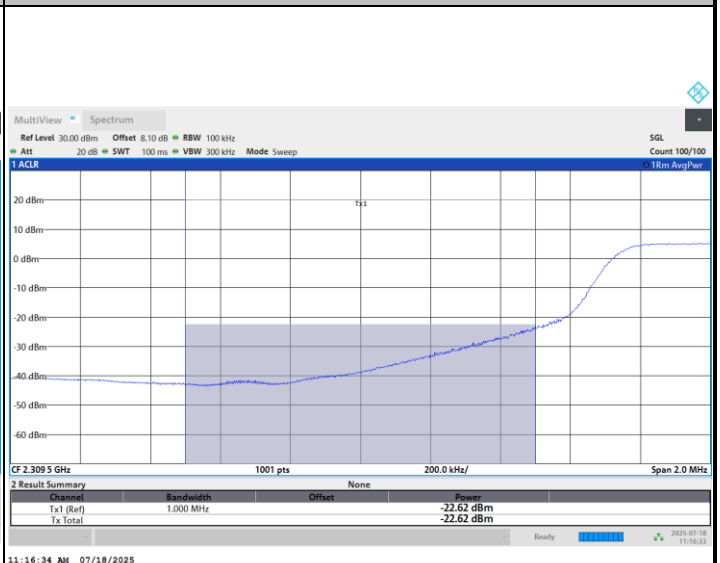
Highest Band Edge / Full RB



Lowest Band Edge / Full RB / Lower zoom in



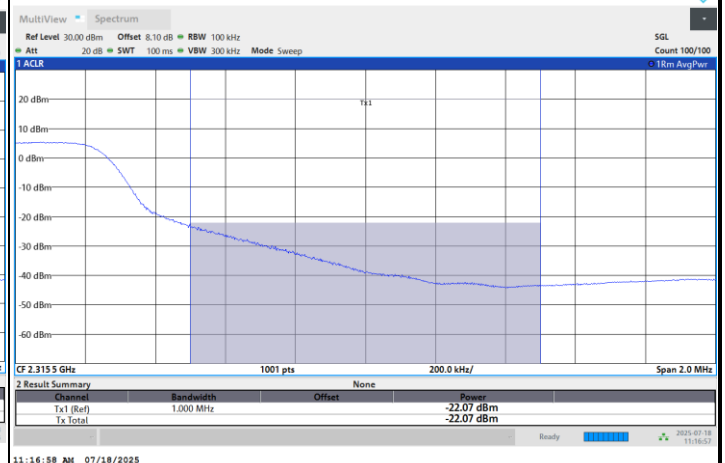
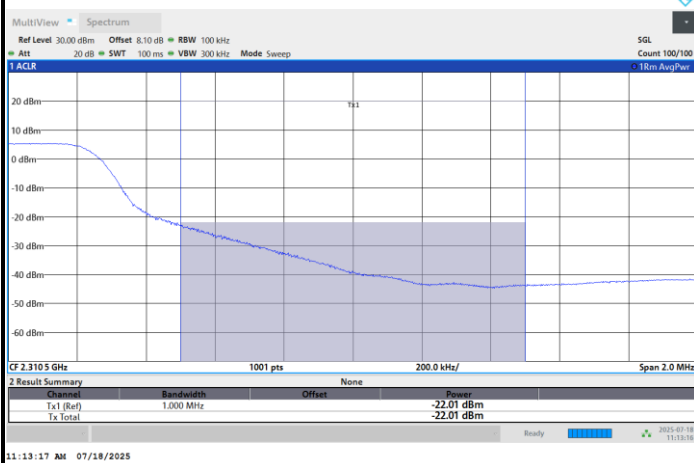
Highest Band Edge / Full RB / Lower zoom in





Lowest Band Edge / Full RB / Upper zoom in

Highest Band Edge / Full RB / Upper zoom in

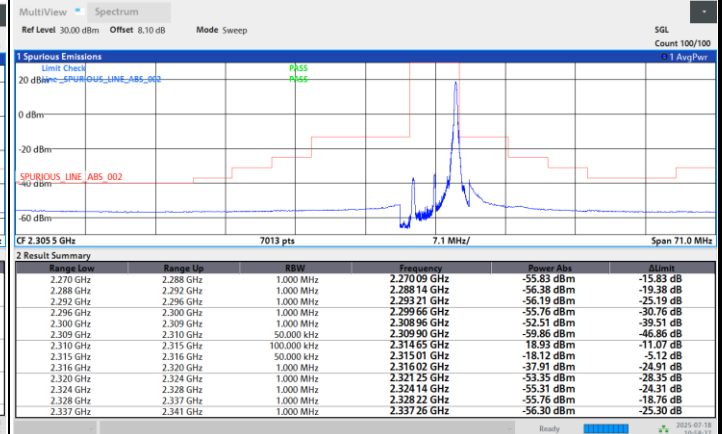
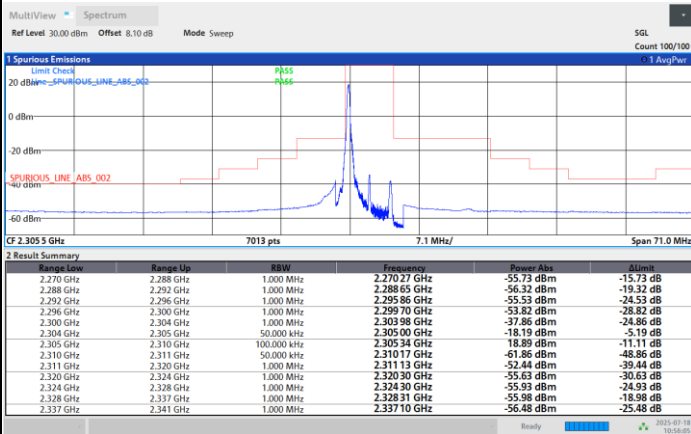




FR1 n30 / 5MHz / DFT-S OFDM / QPSK

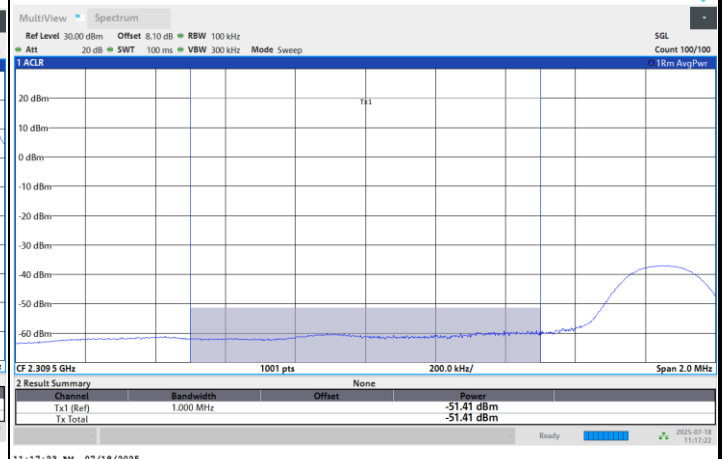
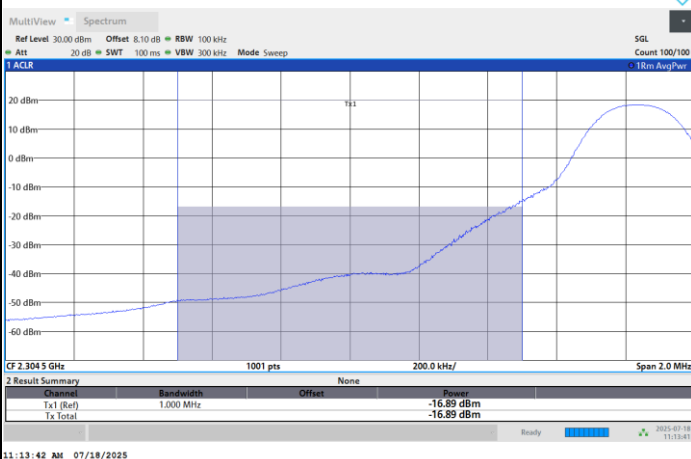
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / 1 RB / Lower zoom in

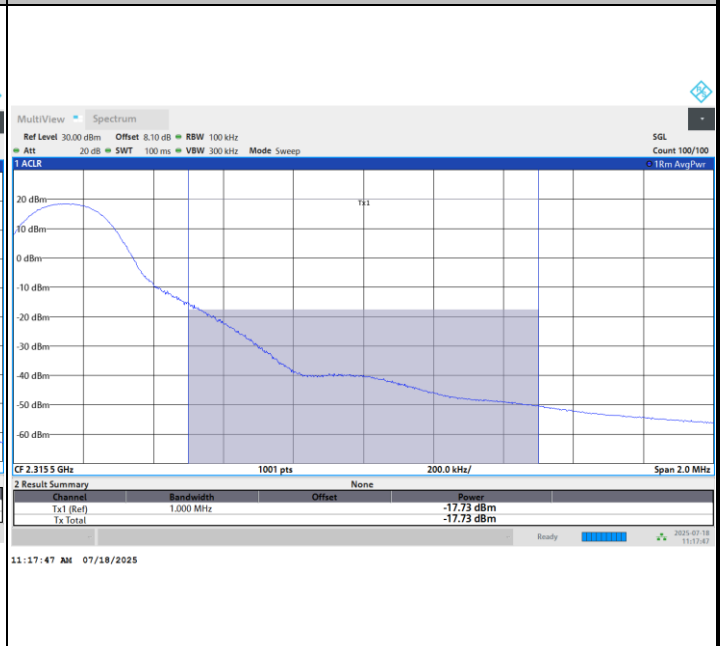
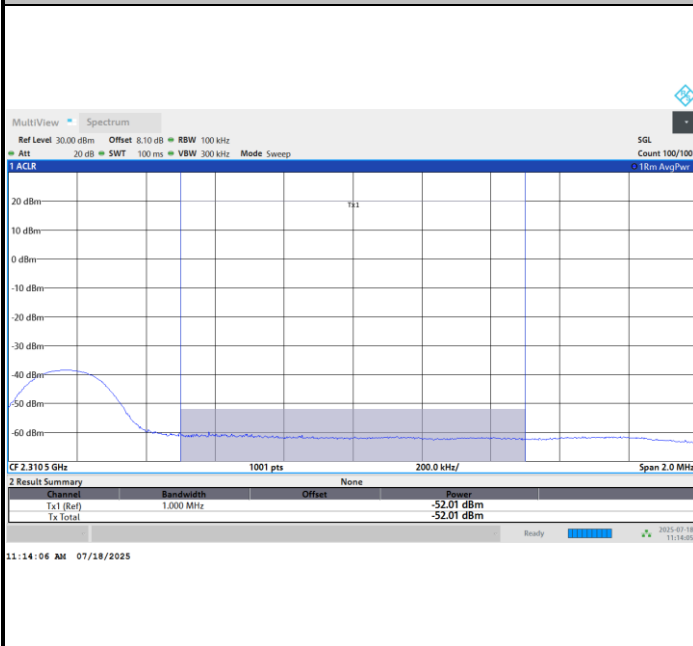
Highest Band Edge / 1 RB / Lower zoom in





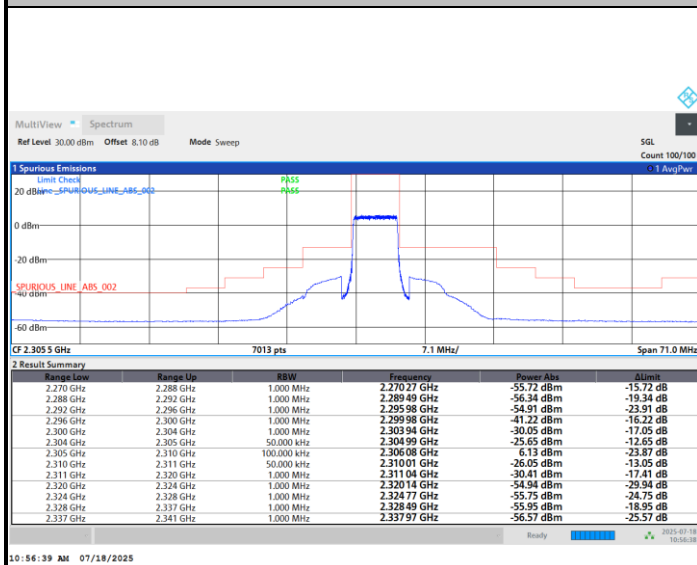
Lowest Band Edge / 1 RB / Upper zoom in

Highest Band Edge / 1 RB / Upper zoom in

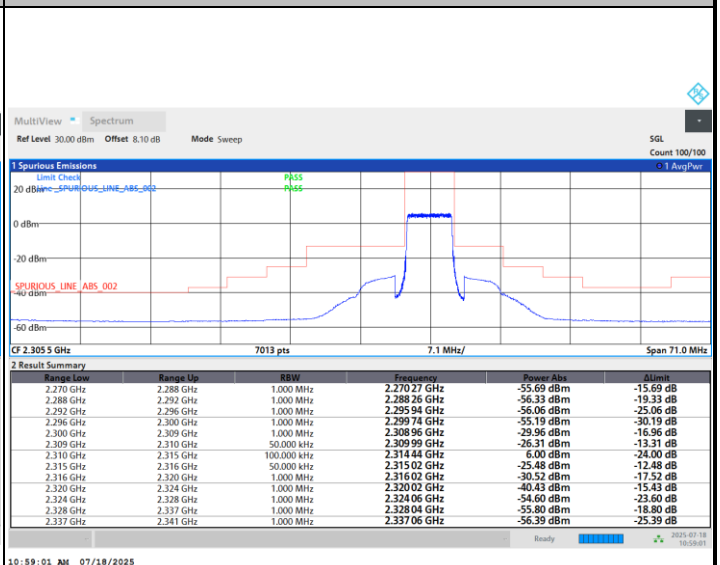




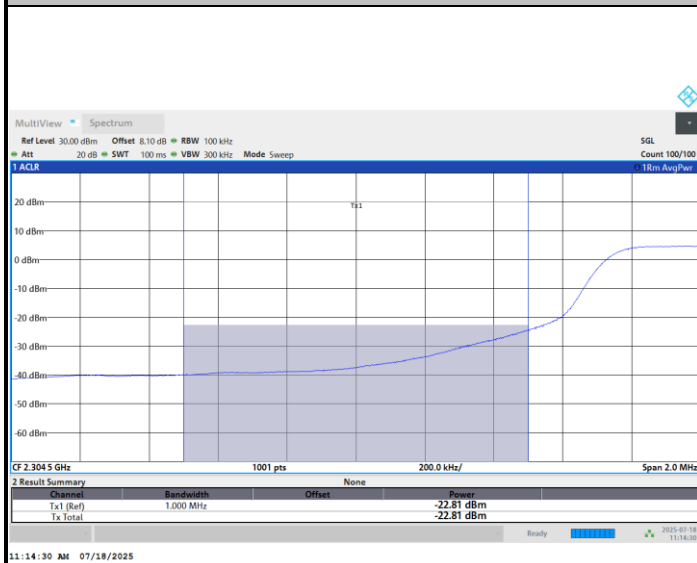
Lowest Band Edge / Full RB



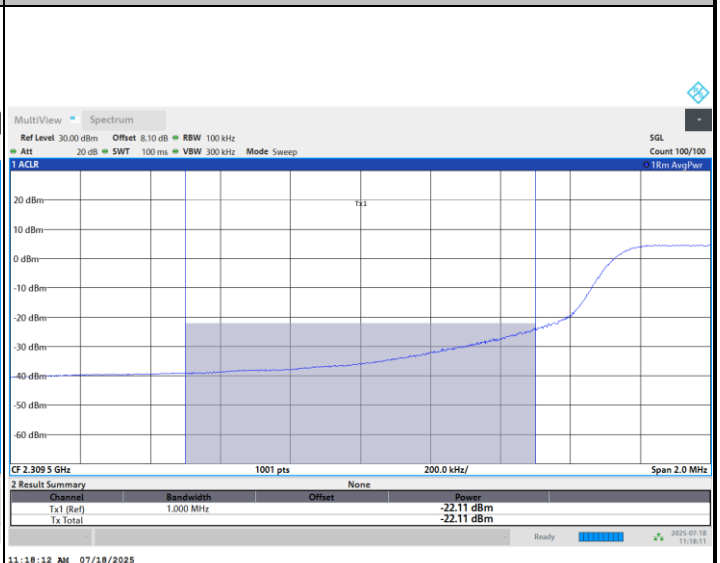
Highest Band Edge / Full RB



Lowest Band Edge / Full RB / Lower zoom in



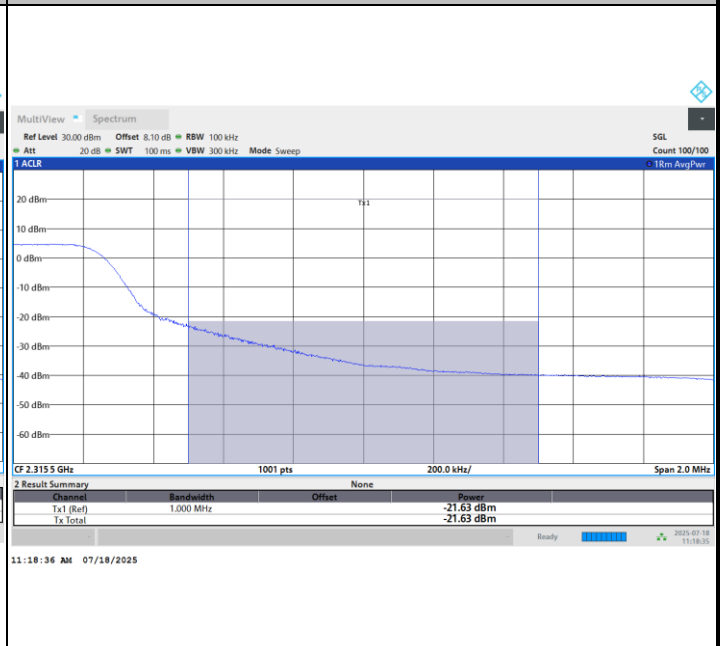
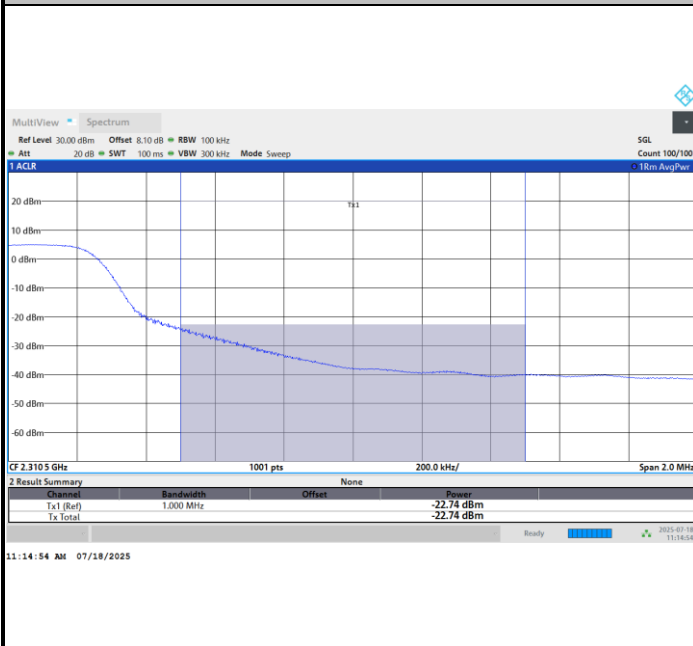
Highest Band Edge / Full RB / Lower zoom in





Lowest Band Edge / Full RB / Upper zoom in

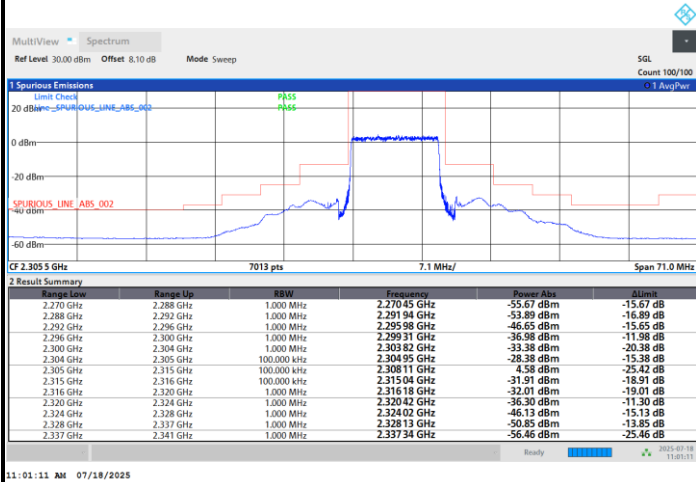
Highest Band Edge / Full RB / Upper zoom in



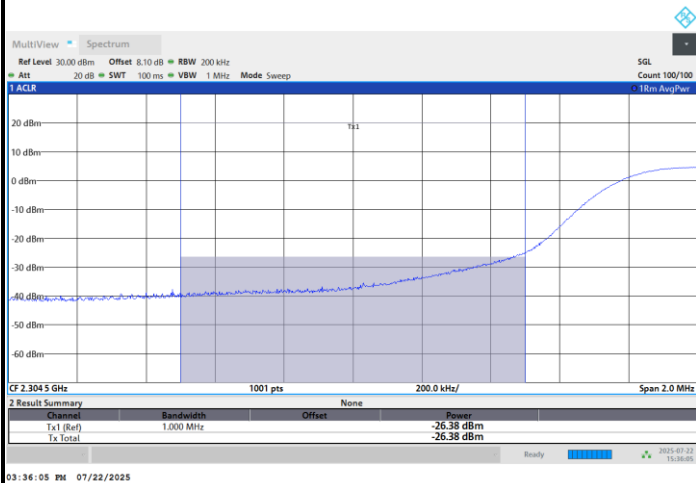


FR1 n30 / 10MHz / DFT-s-OFDM / PI/2 BPSK

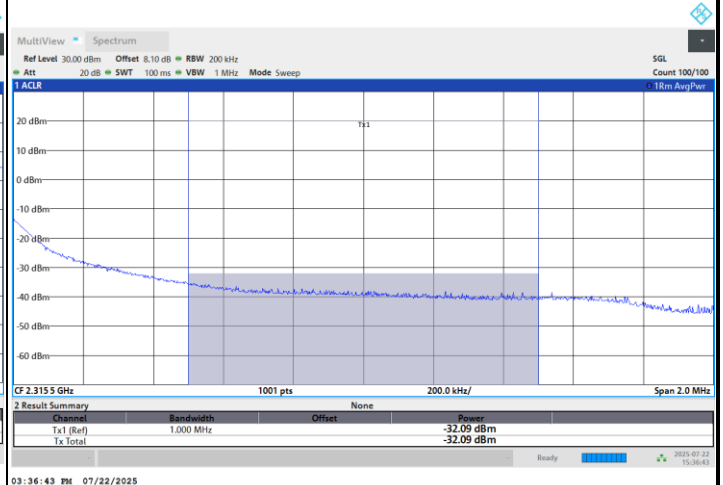
Middle Band Edge / Full RB



Middle Band Edge / Full RB / Lower zoom in



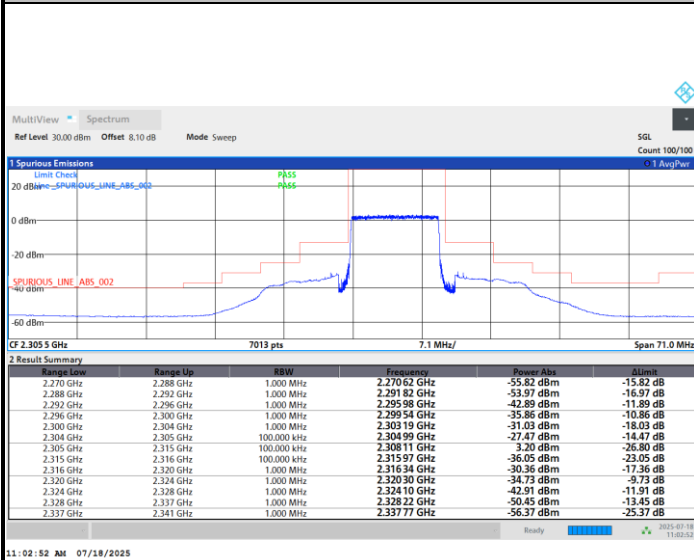
Middle Band Edge / Full RB / Upper zoom in



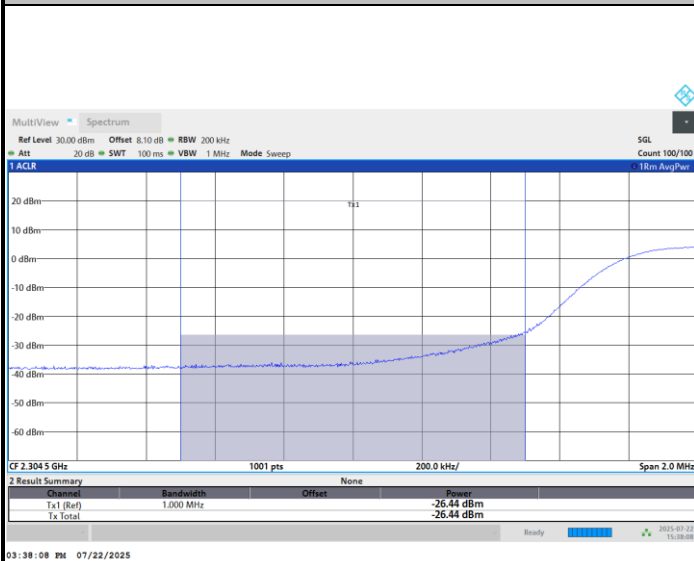


FR1 n30 / 10MHz / DFT-s-OFDM / QPSK

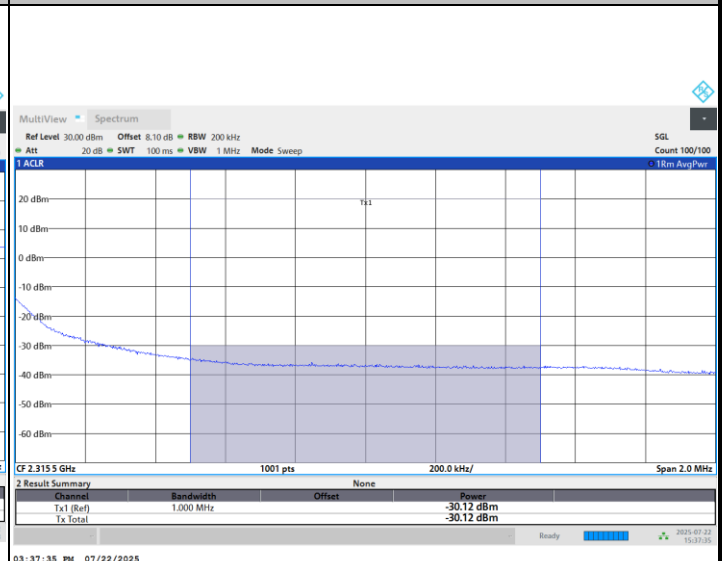
Middle Band Edge / Full RB



Middle Band Edge / Full RB / Lower zoom in



Middle Band Edge / Full RB / Upper zoom in

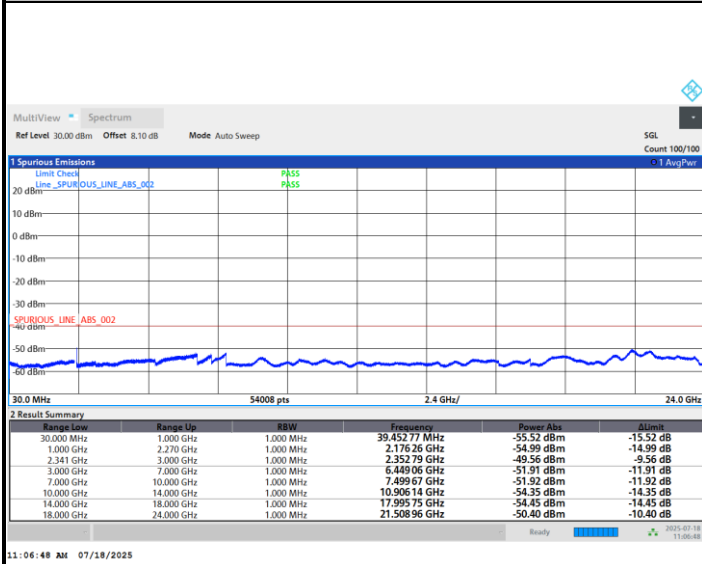




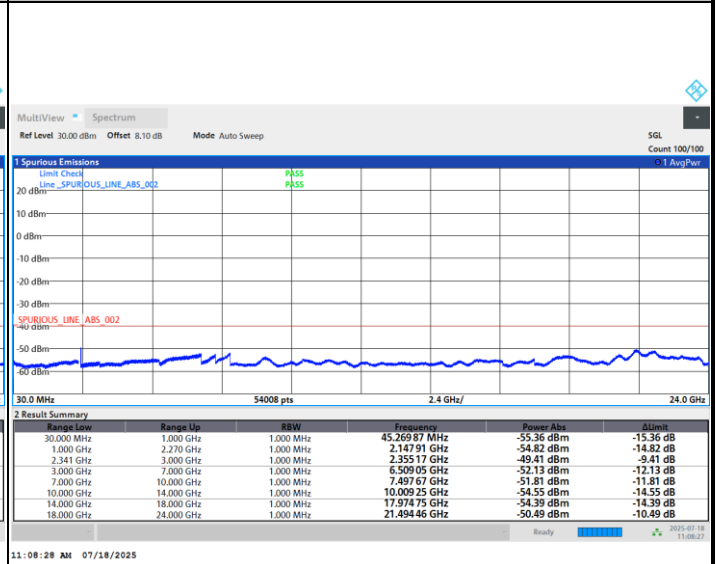
Conducted Spurious Emission

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

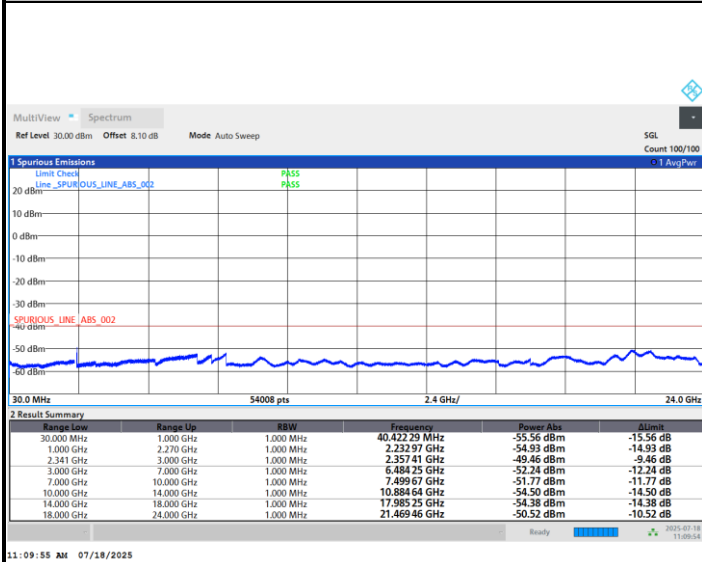
Lowest Channel



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	0.0243	3.7	Yes	PASS
40	Normal Voltage	0.0175	-2.7	Yes	
30	Normal Voltage	0.0182	8.6	Yes	
20(Ref.)	Normal Voltage	0.0000	0	Yes	
10	Normal Voltage	0.0100	-4.7	Yes	
0	Normal Voltage	0.0072	2.9	Yes	
-10	Normal Voltage	0.0144	2.6	Yes	
-20	Normal Voltage	0.0229	3.3	Yes	
-30	Normal Voltage	0.0188	6.8	Yes	
20	Maximum Voltage	0.0243	8.6	Yes	
20	Normal Voltage	0.0150	8.8	Yes	
20	Minimum Voltage	0.0088	-0.1	Yes	

Note:

1. Normal Voltage = 3.85 V. ; Minimum Voltage = 3.30 V. ; Maximum Voltage = 4.40 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.

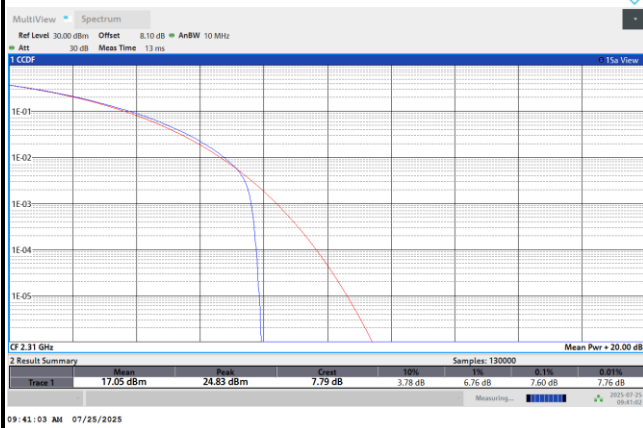
**FR1 n30****MIMO <Ant. 0+3> (Ant. 0)****Peak-to-Average Ratio**

Mode	FR1 n30 / 10MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	7.60	7.60	8.14	8.72	PASS

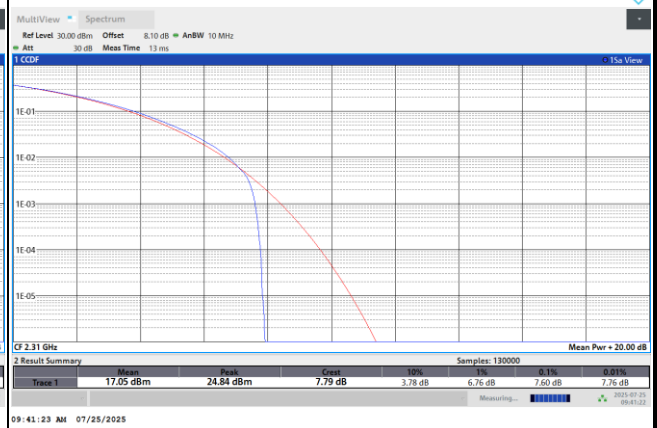


FR1 n30 / 10MHz / CP OFDM / Middle Channel / Full RB

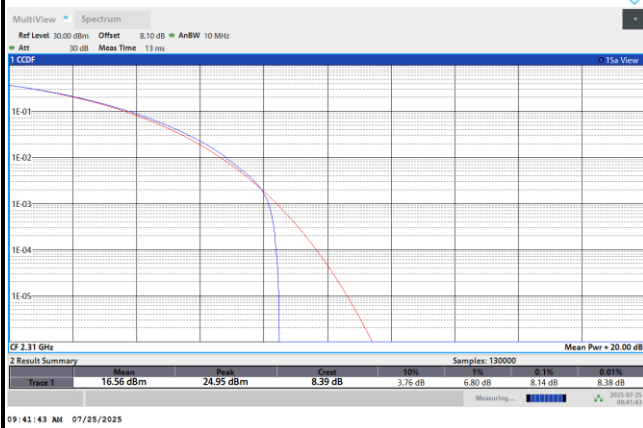
QPSK



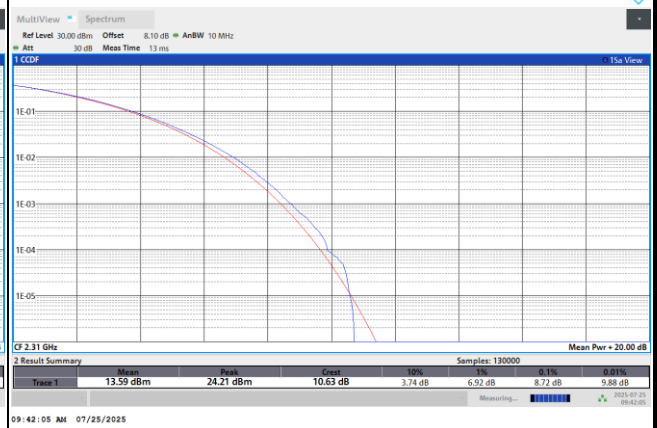
16QAM



64QAM



256QAM



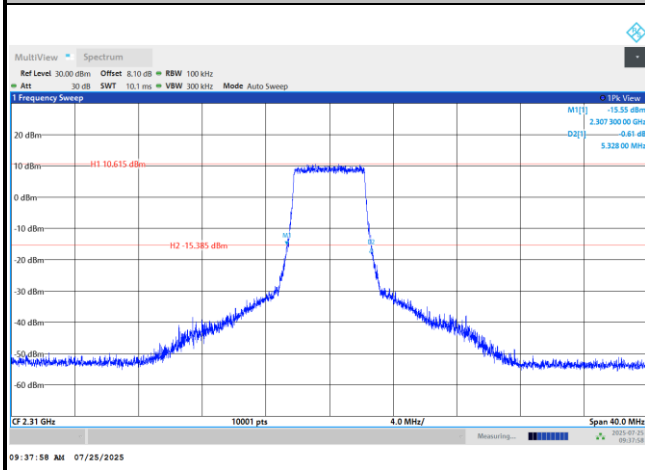
**26dB Bandwidth**

Mode	FR1 n30 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Middle CH	5.32	5.29	11.11	12.85				

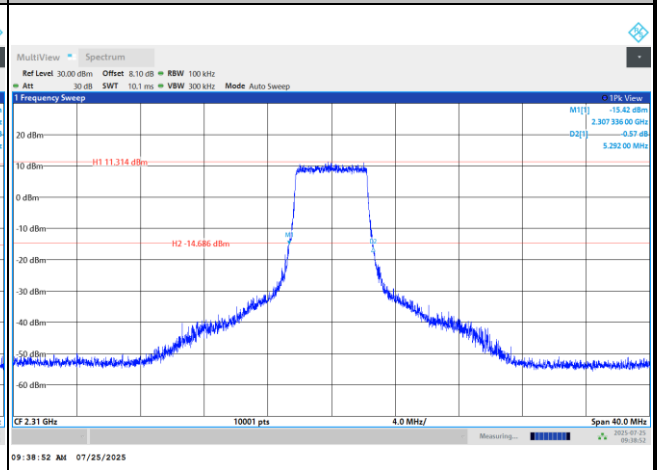


FR1 n30 / 5MHz / CP OFDM / Middle Channel / Full RB

QPSK

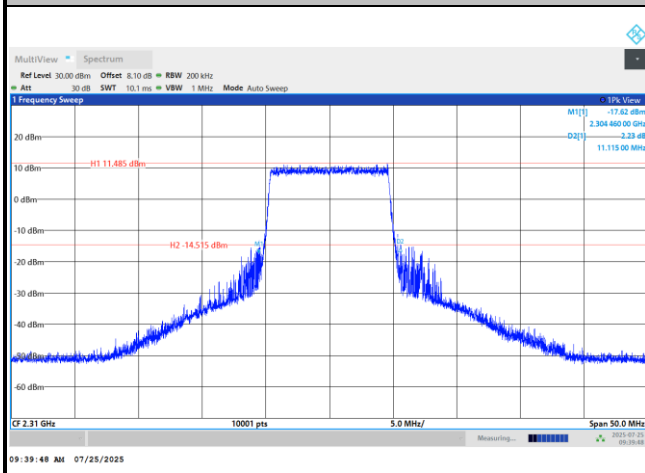


16QAM

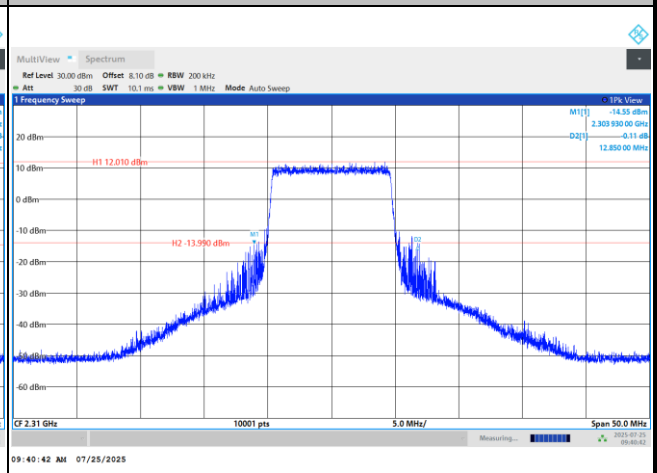


FR1 n30 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK



16QAM



**Occupied Bandwidth**

Mode	FR1 n30 : 99%OBW(MHz) / CP OFDM							
BW	5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Middle CH	4.51	4.51	9.34	9.33				