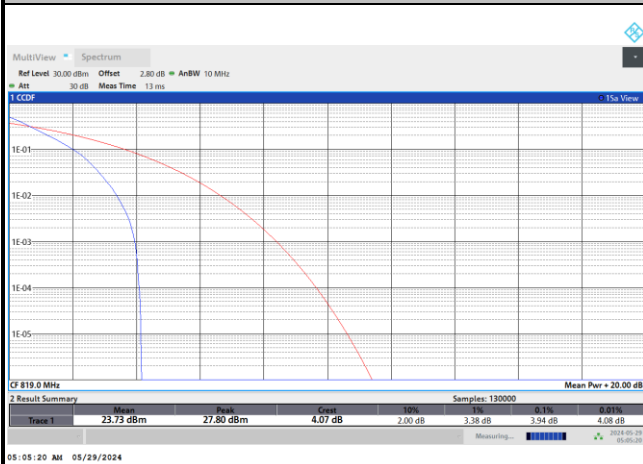


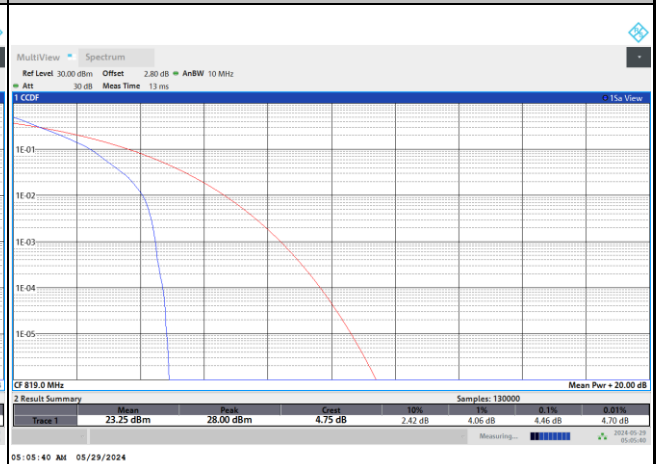


FR1 n26 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

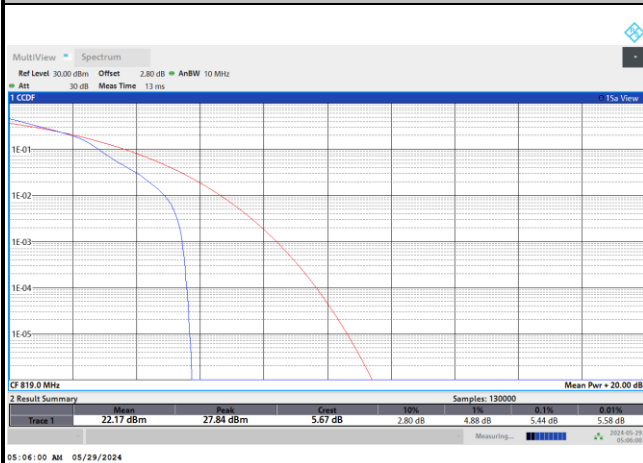
PI/2 BPSK



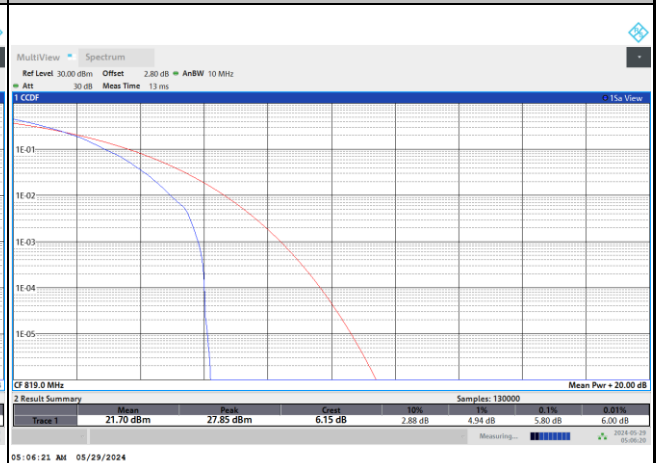
QPSK



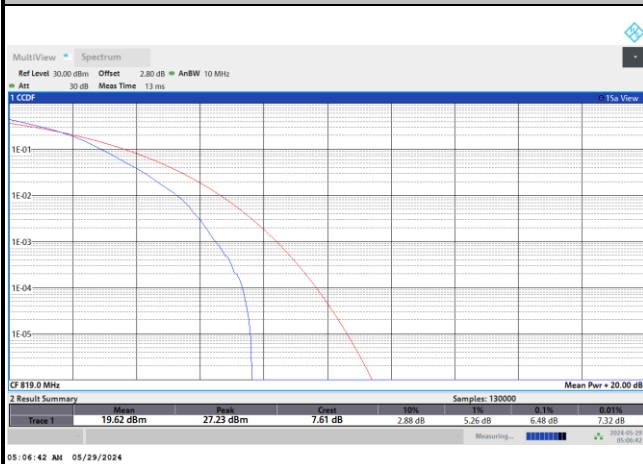
16QAM



64QAM



256QAM



**26dB Bandwidth**

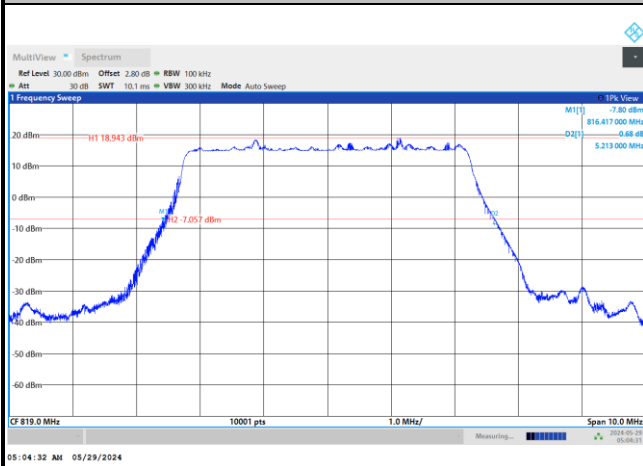
Mode	FR1 n26 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz					
Mod.	PI/2 BPSK		PI/2 BPSK					
Middle CH	5.21		9.81					

Mode	FR1 n26 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Middle CH	5.33	5.29	10.28	10.25				
Mod.	64QAM	256QAM	64QAM	256QAM				
Middle CH	5.25	5.29	10.29	10.26				



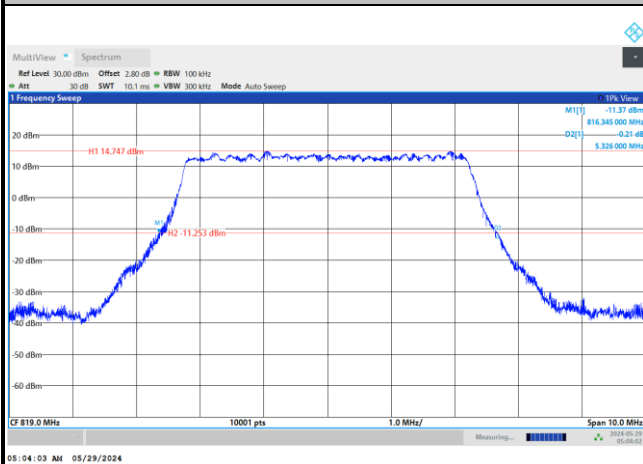
FR1 n26 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

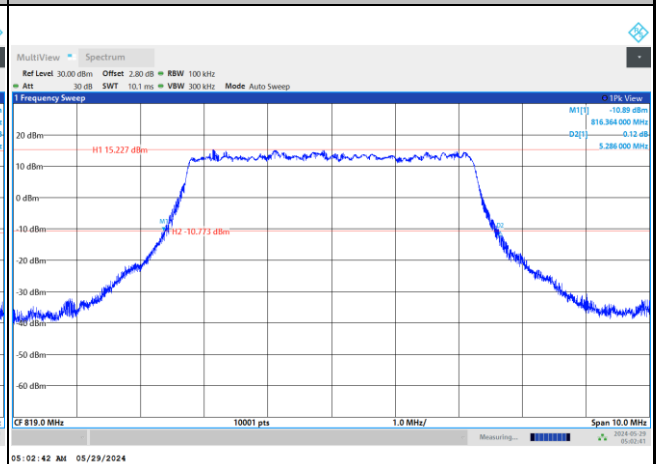


FR1 n26 / 5MHz / CP OFDM / Middle Channel / Full RB

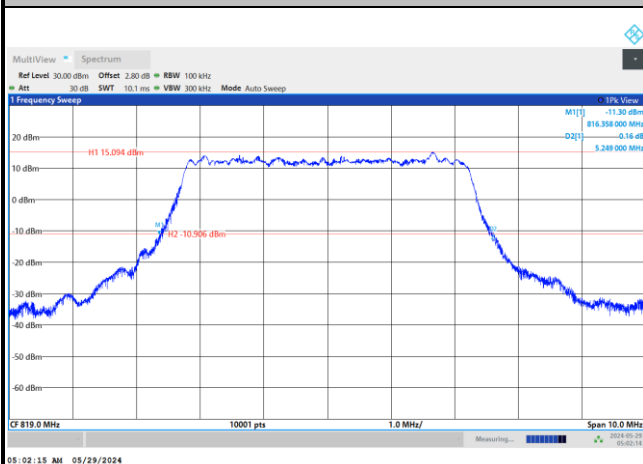
QPSK



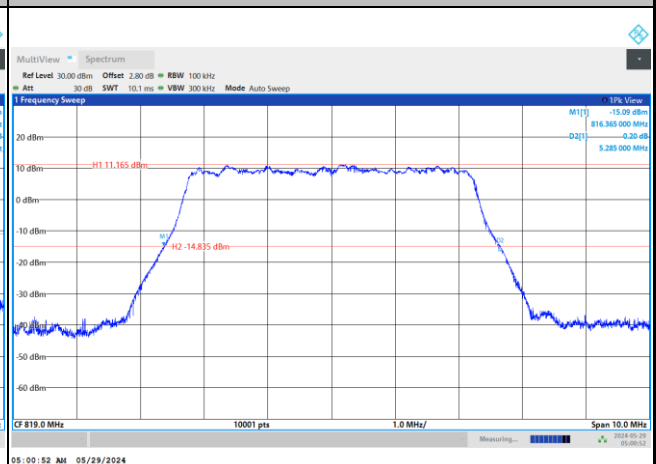
16QAM

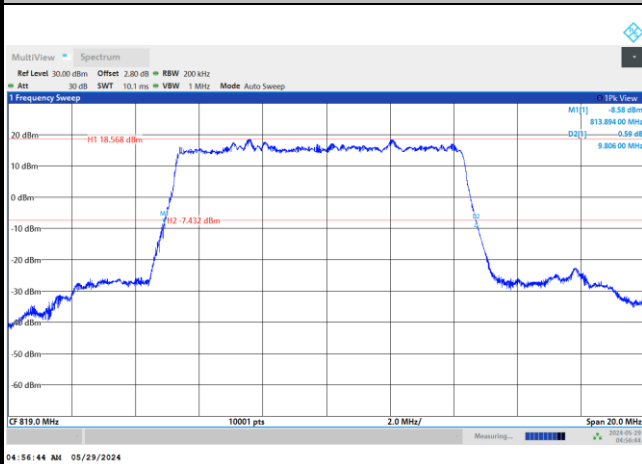
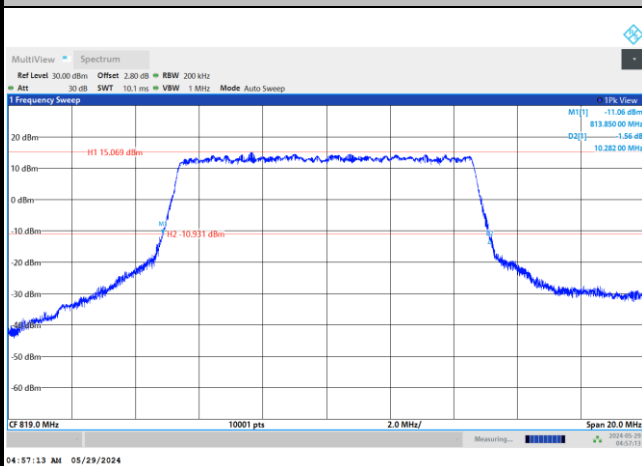
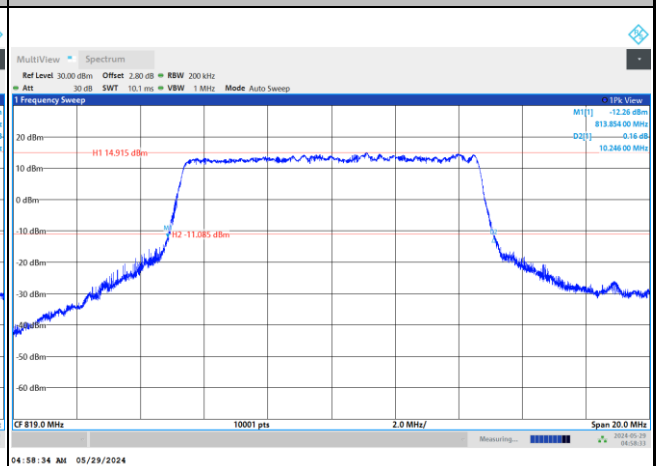
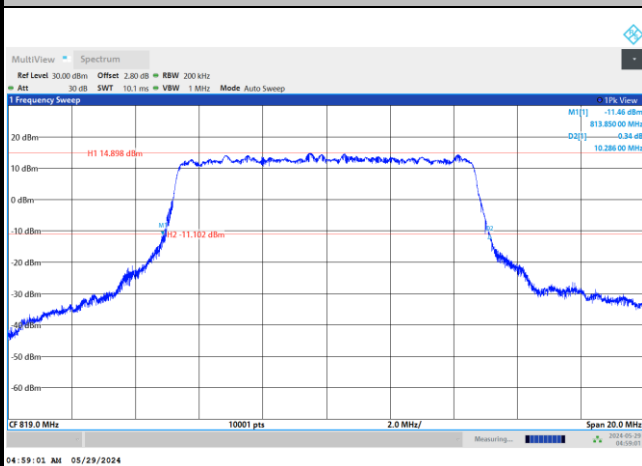
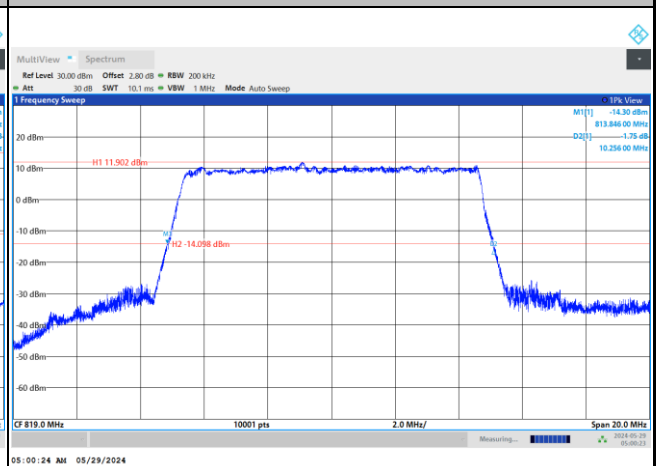


64QAM



256QAM



FR1 n26 / 10MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

FR1 n26 / 10MHz / CP OFDM / Middle Channel / Full RB
QPSK

16QAM

64QAM

256QAM


**Occupied Bandwidth**

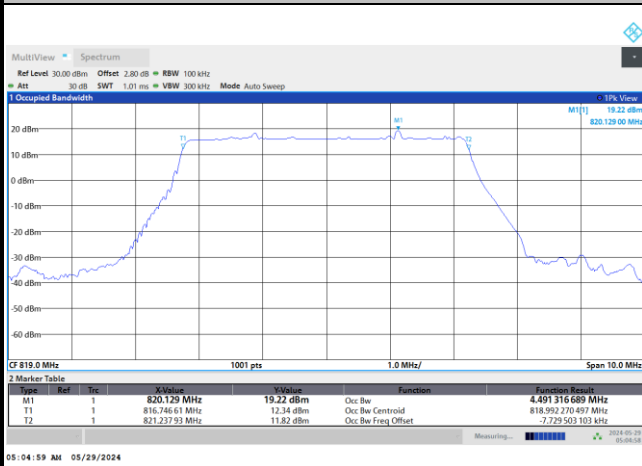
Mode	FR1 n26 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz					
Mod.	PI/2 BPSK		PI/2 BPSK					
Middle CH	4.49		8.97					

Mode	FR1 n26 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Middle CH	4.52	4.52	9.31	9.30				
Mod.	64QAM	256QAM	64QAM	256QAM				
Middle CH	4.51	4.52	9.29	9.33				



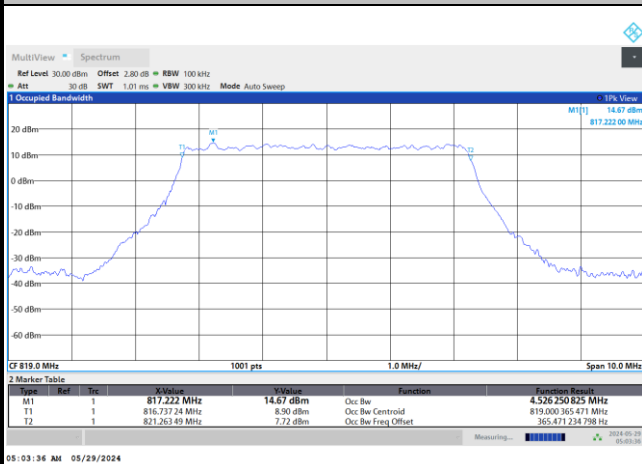
FR1 n26 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

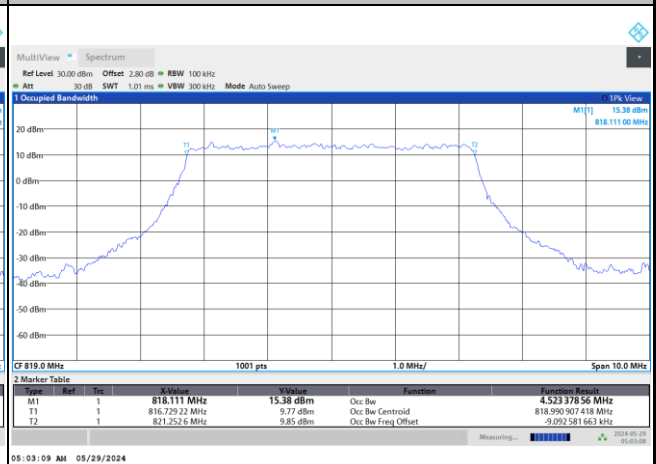


FR1 n26 / 5MHz / CP OFDM / Middle Channel / Full RB

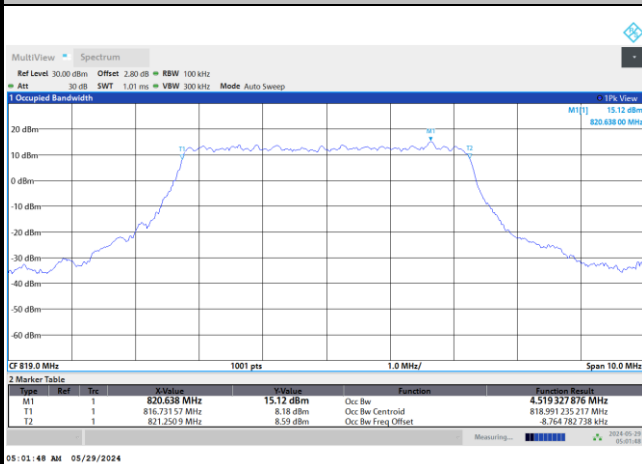
QPSK



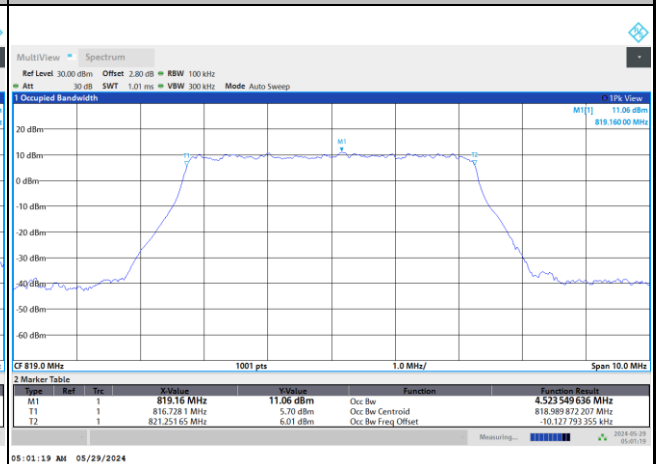
16QAM



64QAM



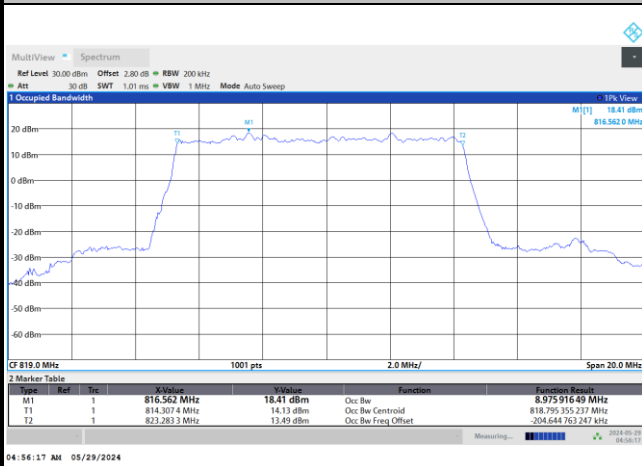
256QAM





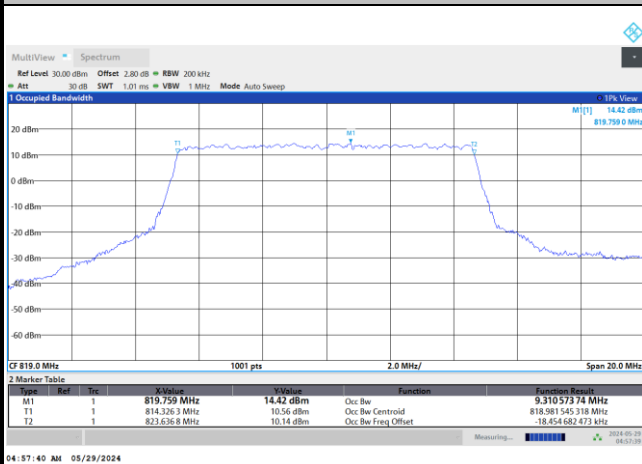
FR1 n26 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

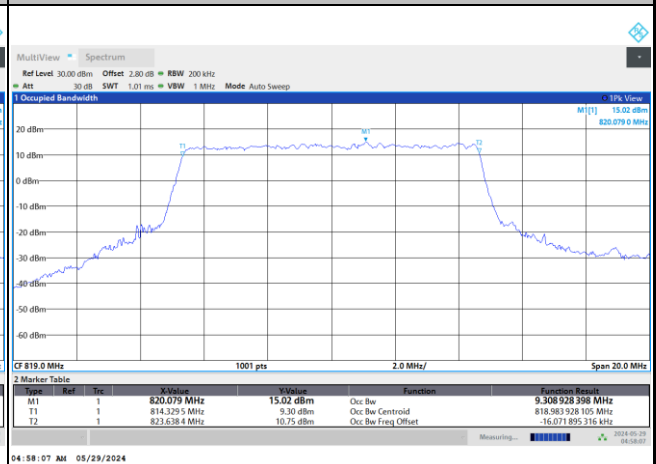


FR1 n26 / 10MHz / CP OFDM / Middle Channel / Full RB

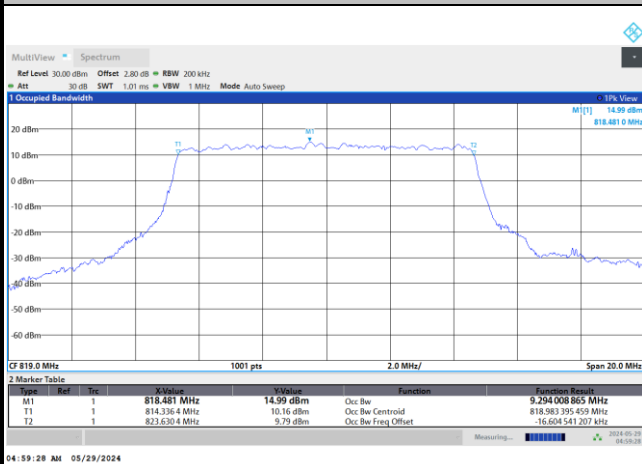
QPSK



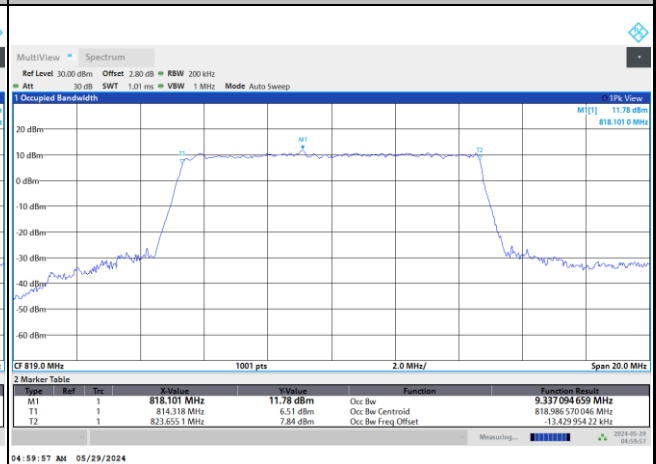
16QAM



64QAM



256QAM

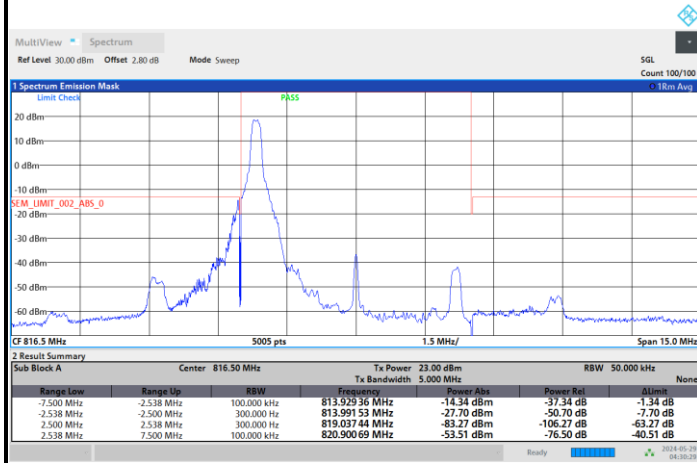




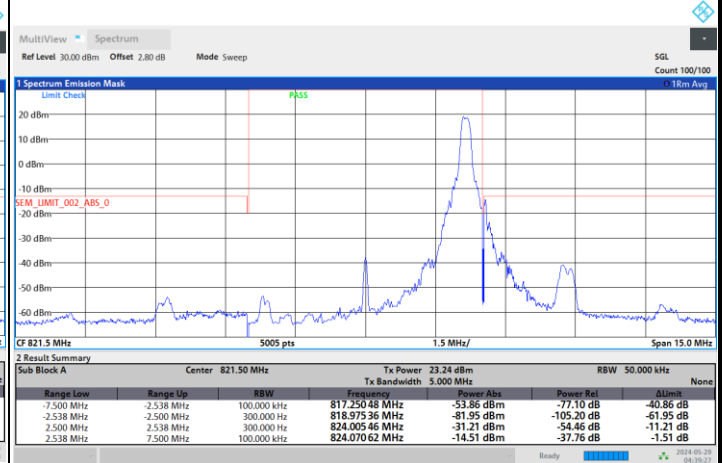
Emission masks – In-band emissions

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

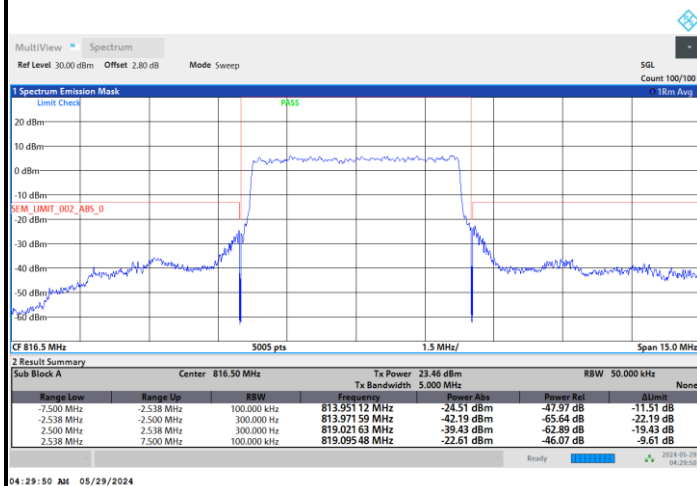
Lowest MASK / 1RB0



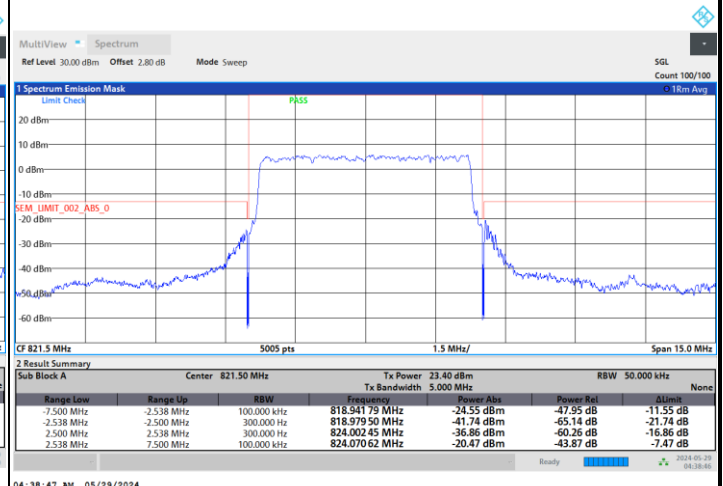
Highest MASK / 1RBmax



Lowest MASK / Full RB



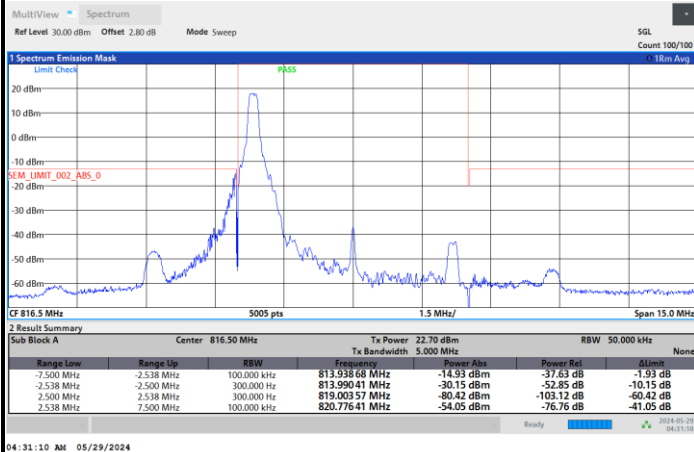
Highest MASK / Full RB



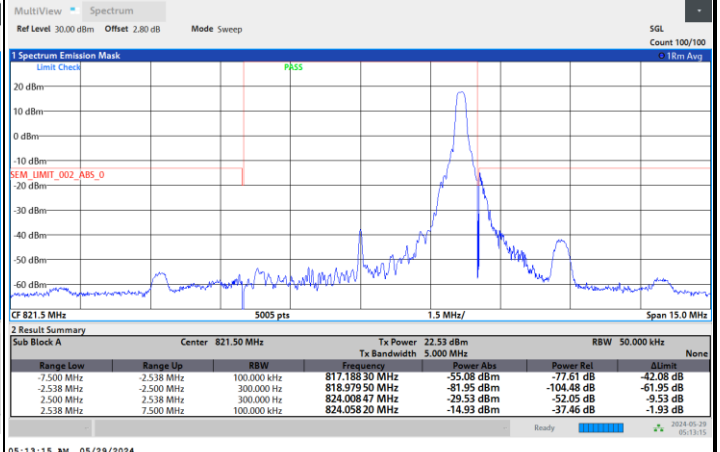


FR1 n26 / 5MHz / DFT-S OFDM / QPSK

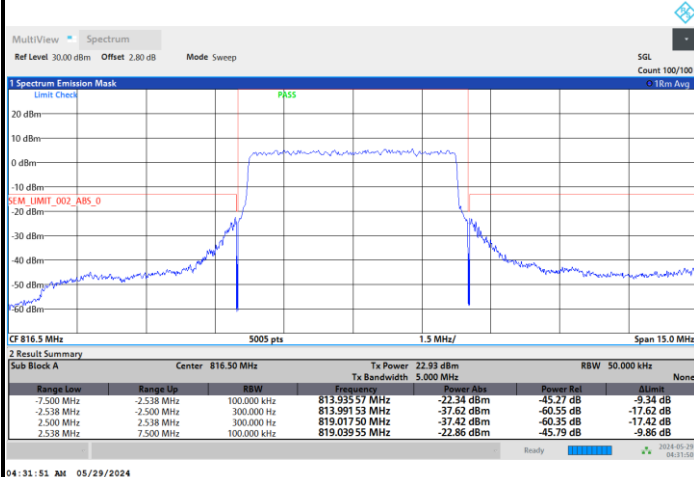
Lowest MASK / 1RB0



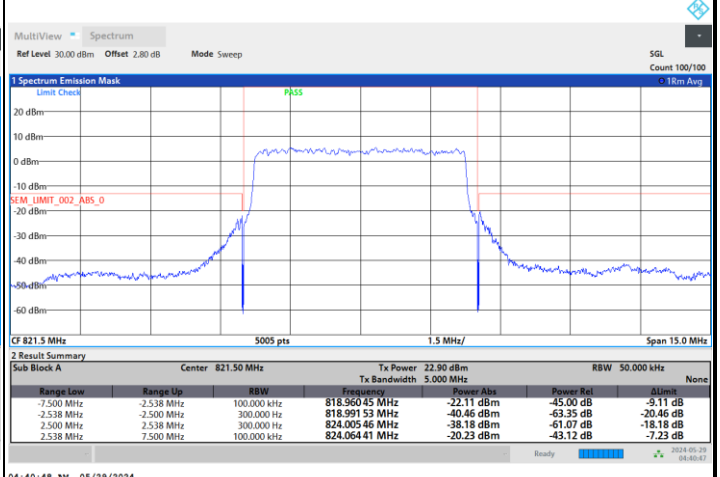
Highest MASK / 1RBmax



Lowest MASK / Full RB



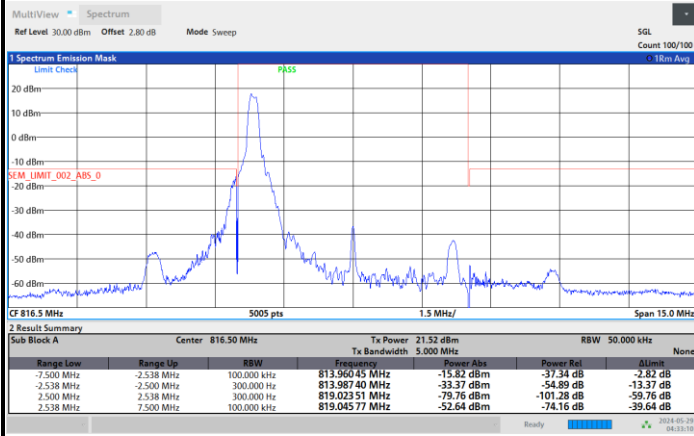
Highest MASK / Full RB



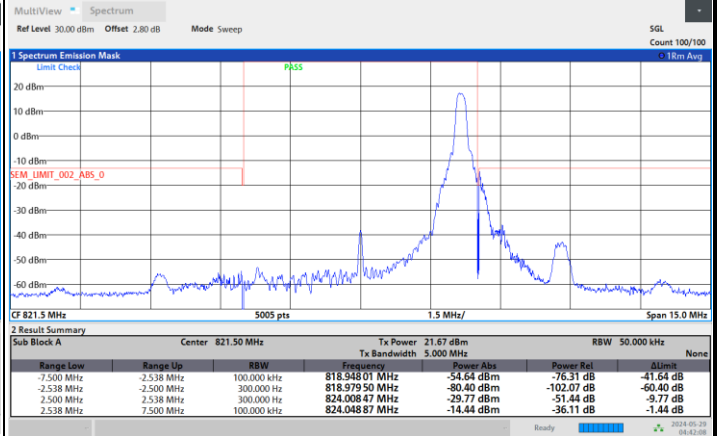


FR1 n26 / 5MHz / DFT-S OFDM / 16QAM

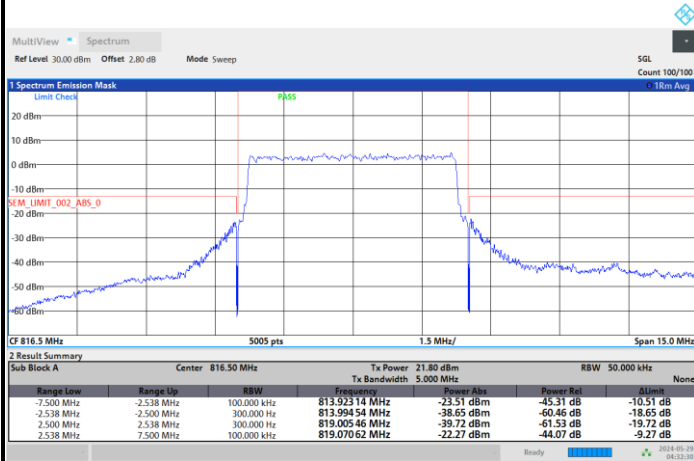
Lowest MASK / 1RB0



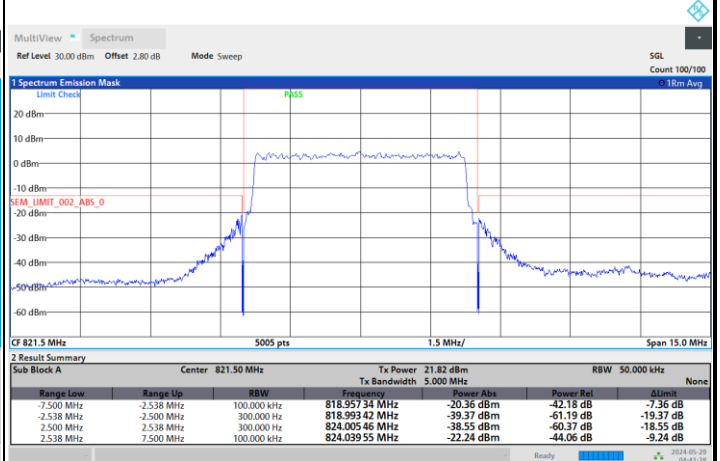
Highest MASK / 1RBmax



Lowest MASK / Full RB



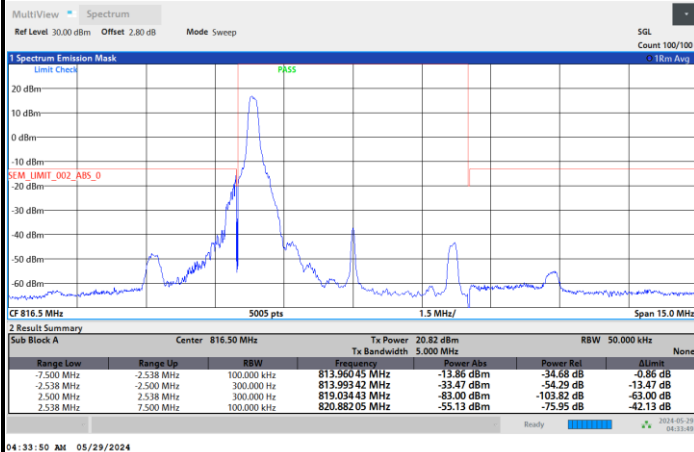
Highest MASK / Full RB



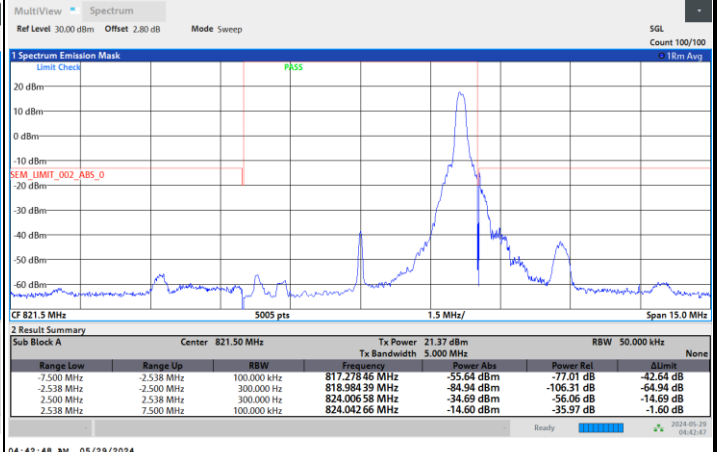


FR1 n26 / 5MHz / DFT-S OFDM / 64QAM

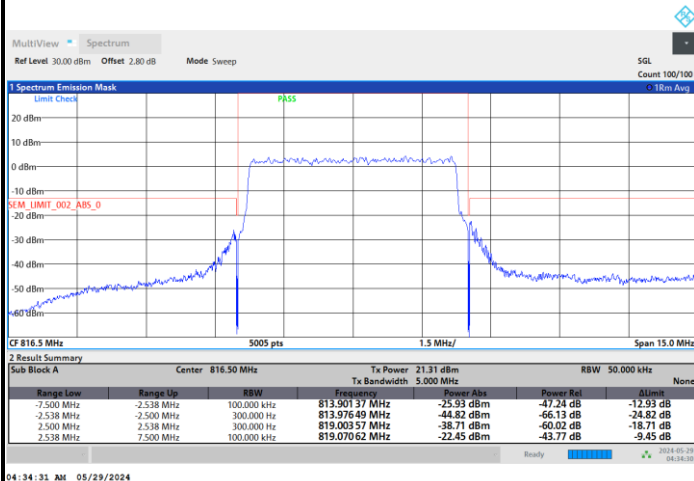
Lowest MASK / 1RB0



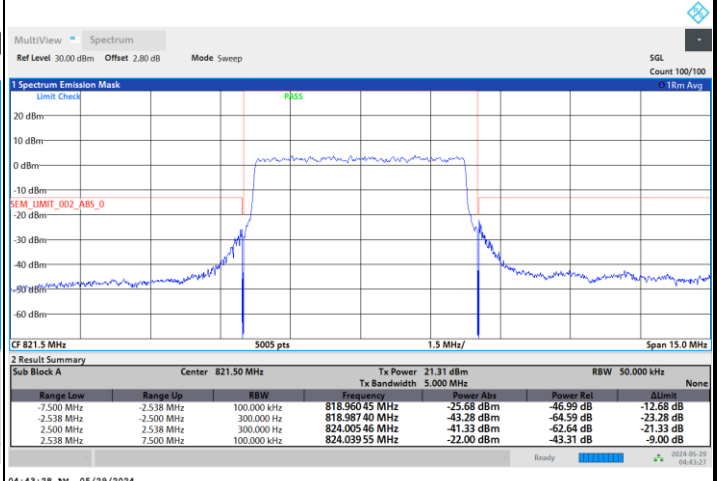
Highest MASK / 1RBmax



Lowest MASK / Full RB



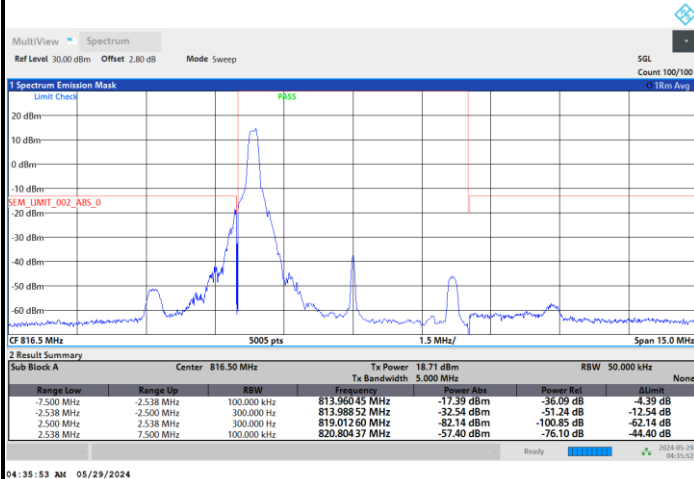
Highest MASK / Full RB



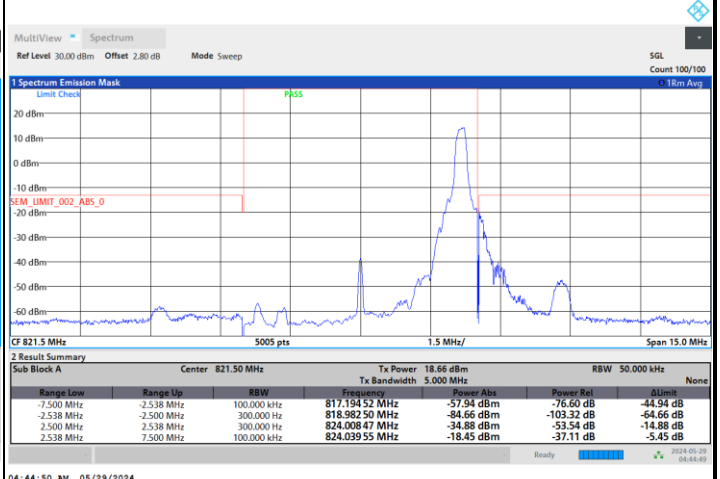


FR1 n26 / 5MHz / DFT-S OFDM / 256QAM

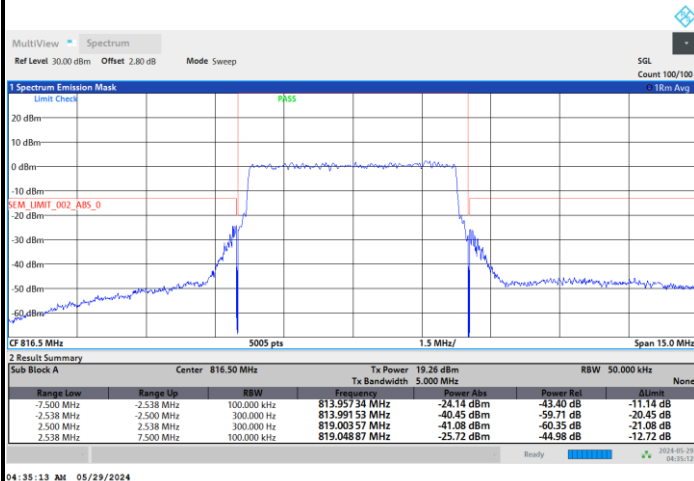
Lowest MASK / 1RB0



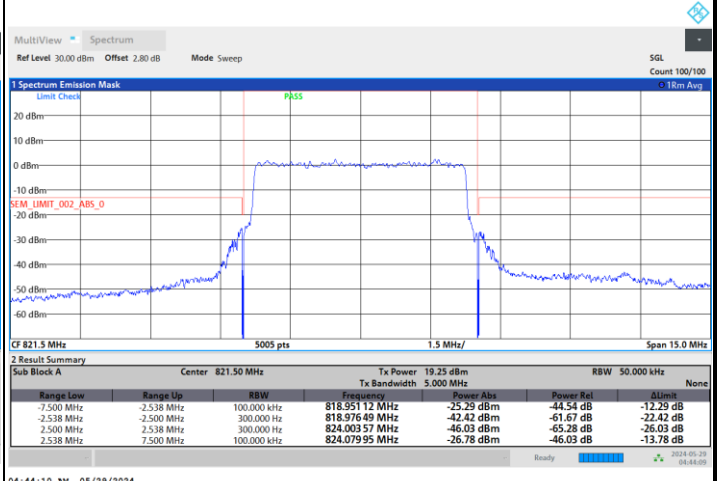
Highest MASK / 1RBmax



Lowest MASK / Full RB



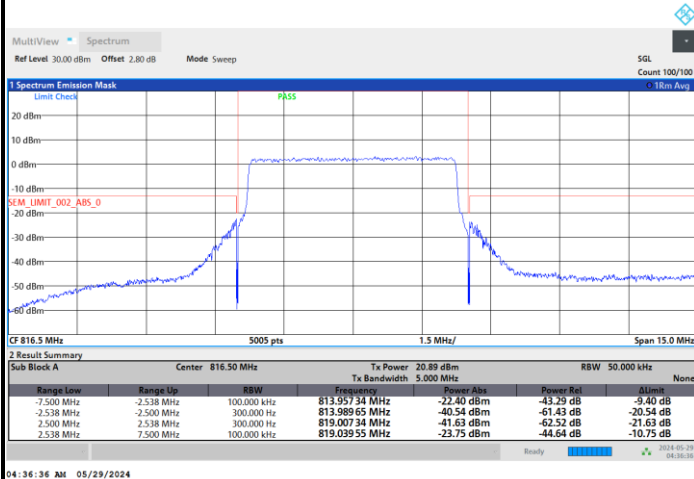
Highest MASK / Full RB





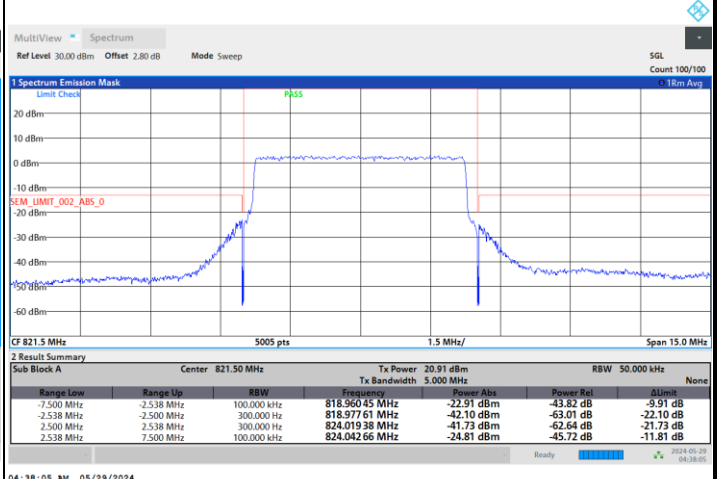
FR1 n26 / 5MHz / CP OFDM / QPSK / Full RB

Lowest MASK

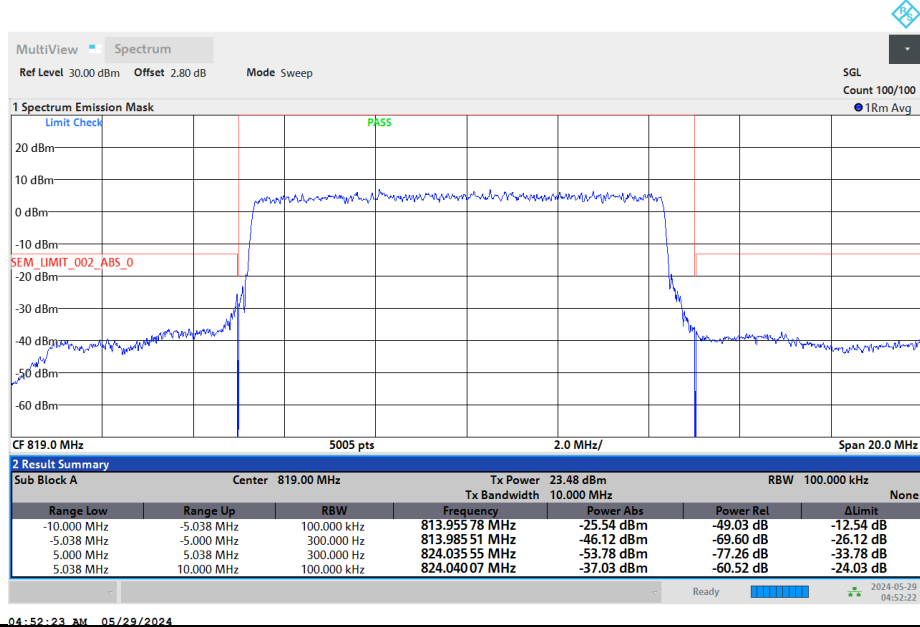


04:36:36 AM 05/29/2024

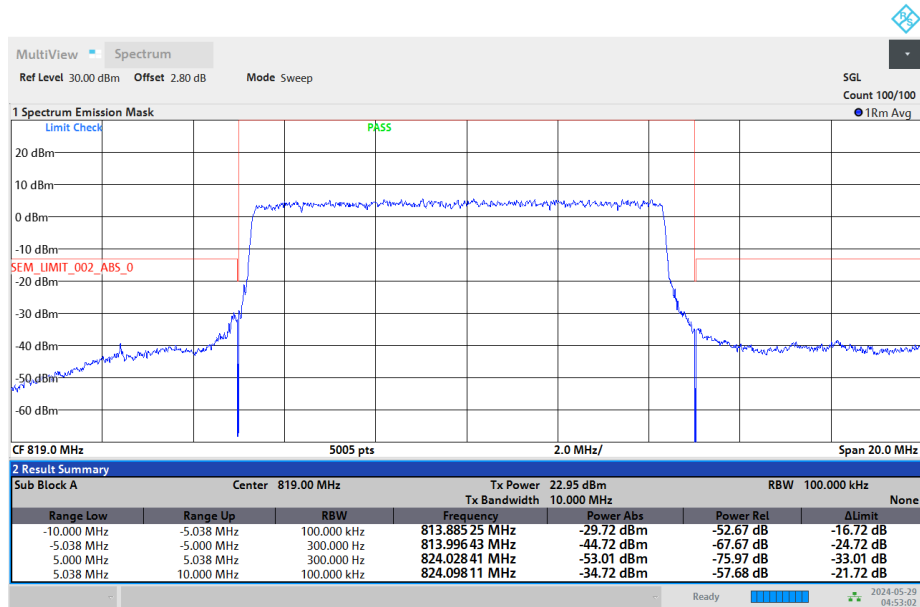
Highest MASK



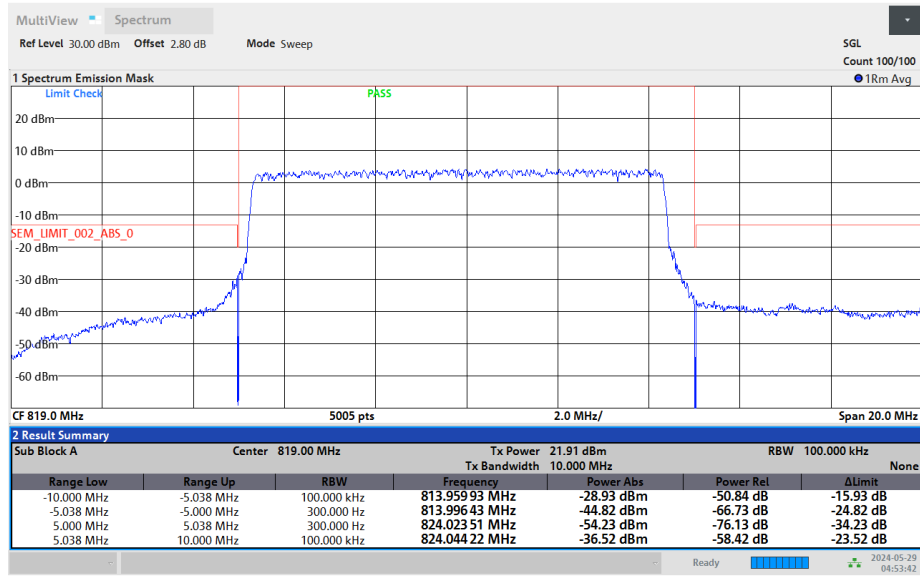
04:38:05 AM 05/29/2024

**FR1 n26 / 10MHz / DFT-s-OFDM / PI/2 BPSK****Middle MASK / Full RB**

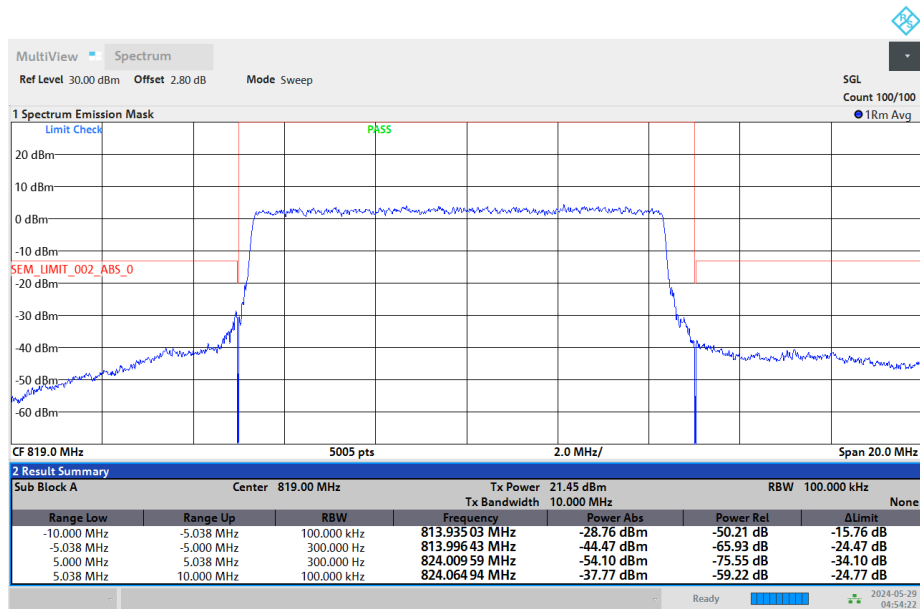
04:52:23 AM 05/29/2024

FR1 n26 / 10MHz / DFT-s-OFDM / QPSK**Lowest MASK / Full RB**

04:53:03 AM 05/29/2024

**FR1 n26 / 10MHz / DFT-s-OFDM / 16QAM****Middle MASK / Full RB**

04:53:43 AM 05/29/2024

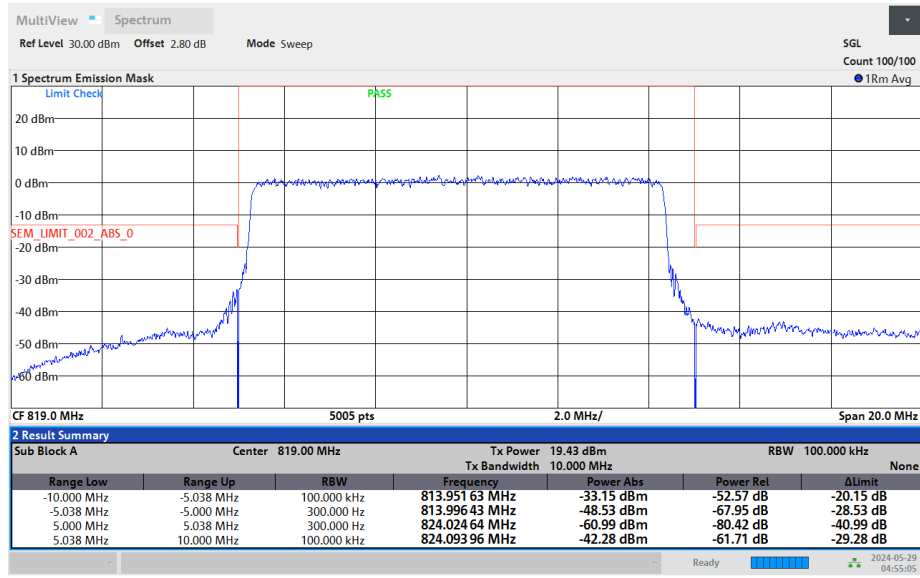
FR1 n26 / 10MHz / DFT-s-OFDM / 64QAM**Middle MASK / Full RB**

04:54:23 AM 05/29/2024



FR1 n26 / 10MHz / DFT-s-OFDM / 256QAM

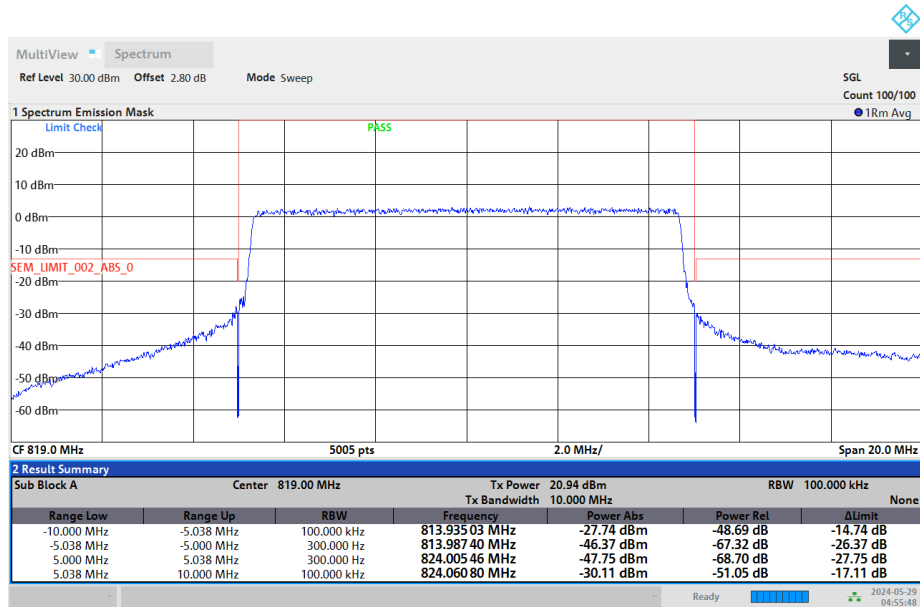
Middle MASK / Full RB



04:55:05 AM 05/29/2024

FR1 n26 / 10MHz / CP OFDM / QPSK / Full RB

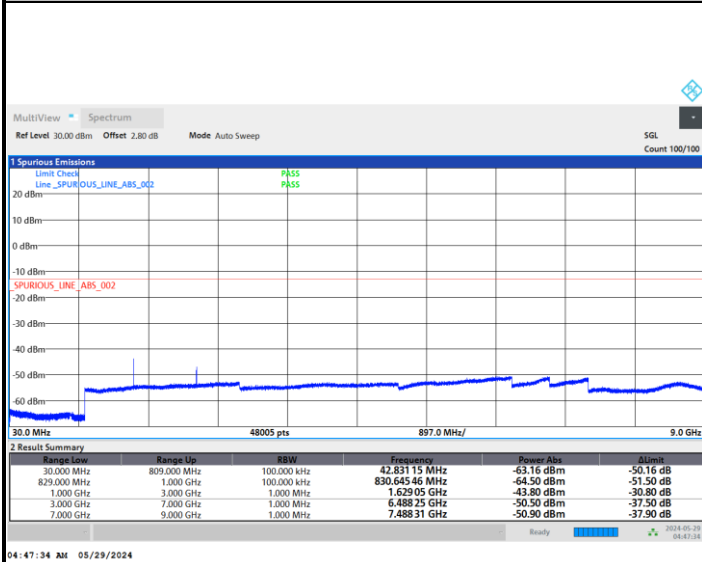
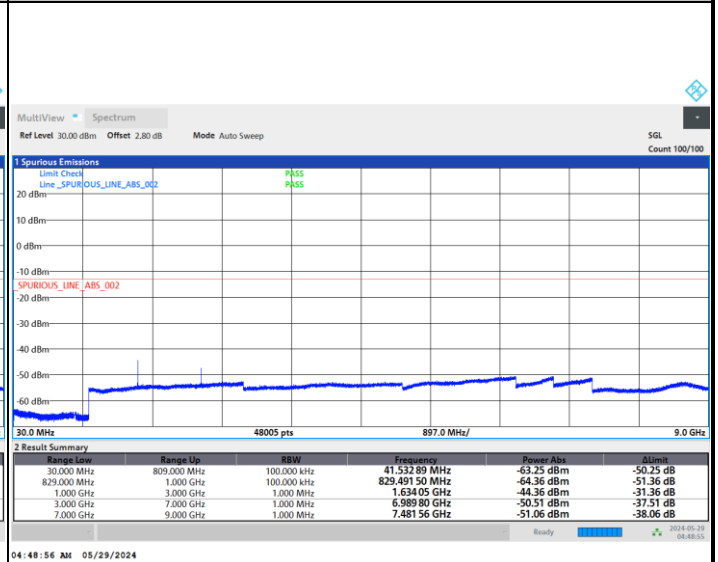
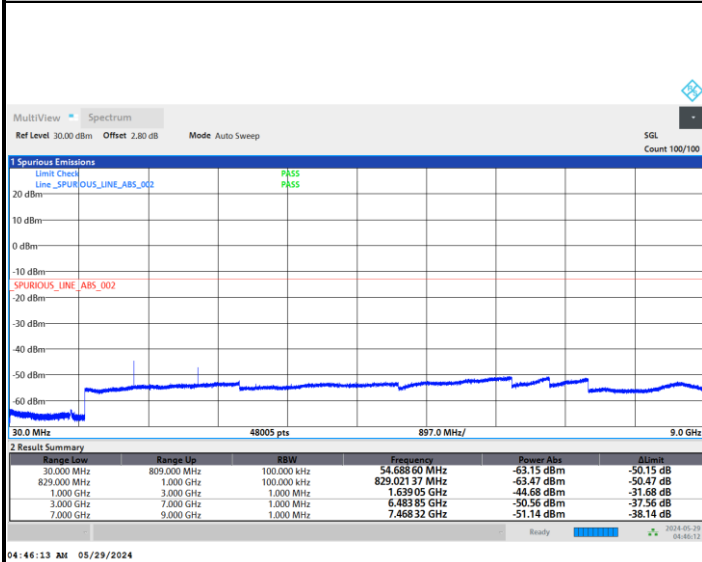
Middle MASK



04:55:48 AM 05/29/2024

**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	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5 ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0034	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0037	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0046	
20	Maximum Voltage	0.0061	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0020	

Note: Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 3.465 V.



Test Conditions		FR1 n26 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 5MHz	2.5 ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0046	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0045	
0	Normal Voltage	0.0041	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0049	
-30	Normal Voltage	0.0062	
20	Maximum Voltage	0.0079	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0046	

Note: Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 3.465 V.

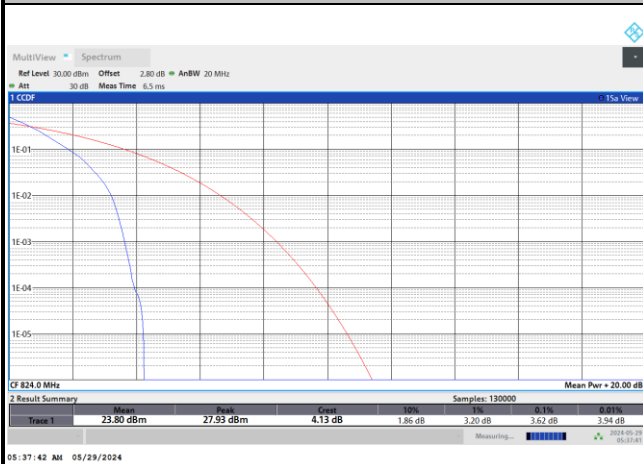
**FR1 n26 Part90s Straddle Channel****Peak-to-Average Ratio**

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
824MHz	3.62	4.52	5.44	5.78	PASS
Mode	FR1 n26 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
824MHz	6.54				PASS

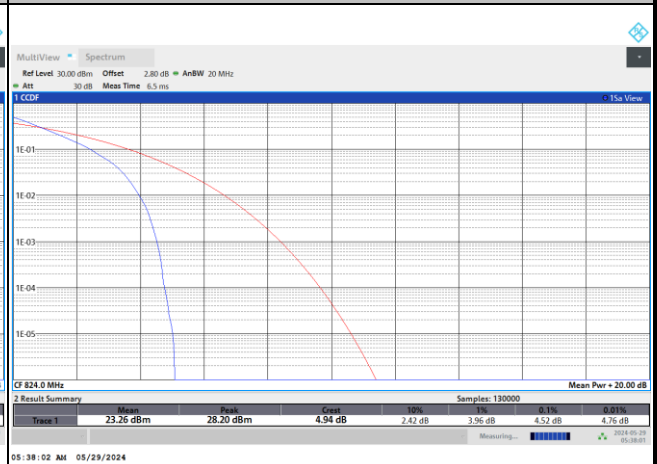


FR1 n26 / 20MHz / DFT-S OFDM / 824MHz / Full RB

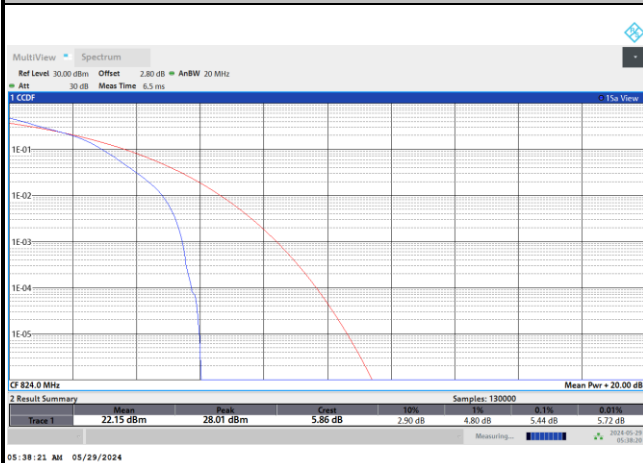
PI/2 BPSK



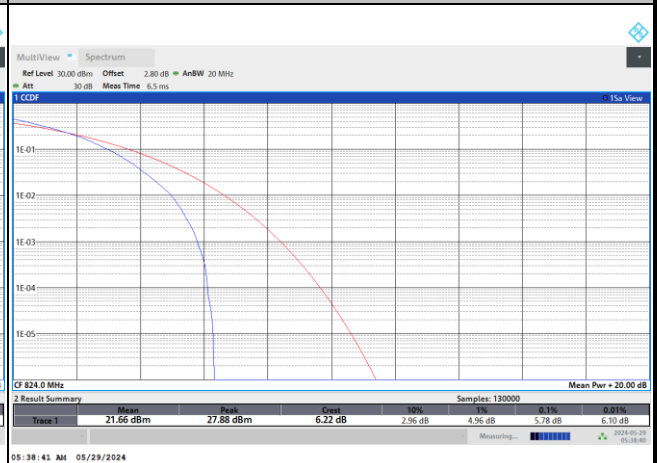
QPSK



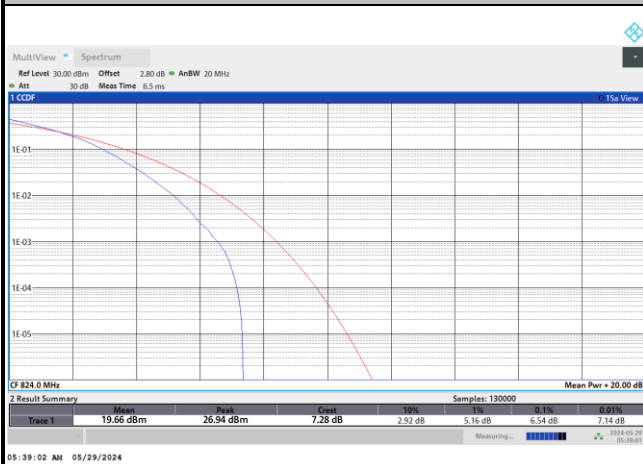
16QAM



64QAM



256QAM



**26dB Bandwidth**

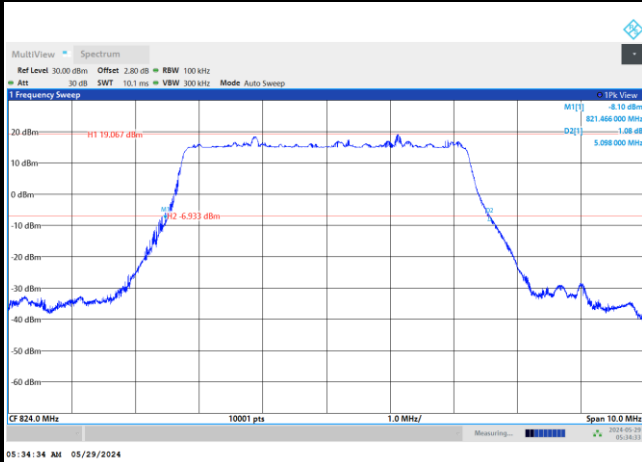
Mode	FR1 n26 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
824MHz	5.10		9.81		14.53		19.44	
BW	25MHz		30MHz					
Mod.	PI/2 BPSK		PI/2 BPSK					
824MHz	-		-					

Mode	FR1 n26 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
824MHz	5.34	5.28	10.34	10.30	15.35	15.36	20.46	20.60
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
824MHz	5.23	5.20	10.25	10.26	15.35	15.33	20.46	20.46



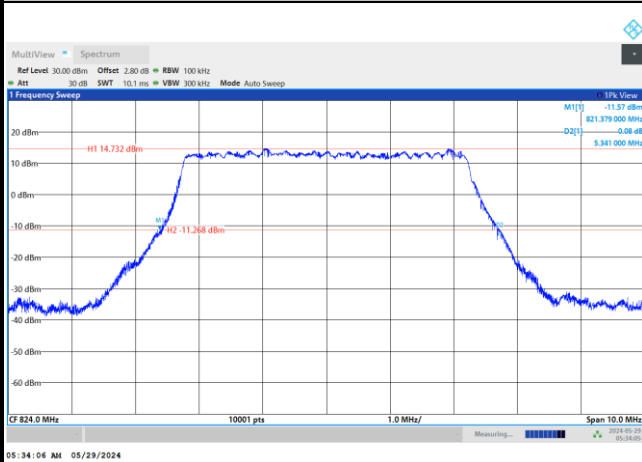
FR1 n26 / 5MHz / DFT-S OFDM / 824MHz / Full RB

PI/2 BPSK

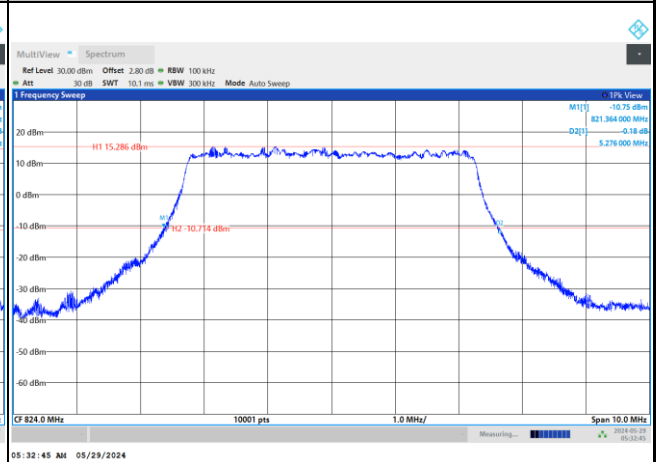


FR1 n26 / 5MHz / CP OFDM / 824MHz / Full RB

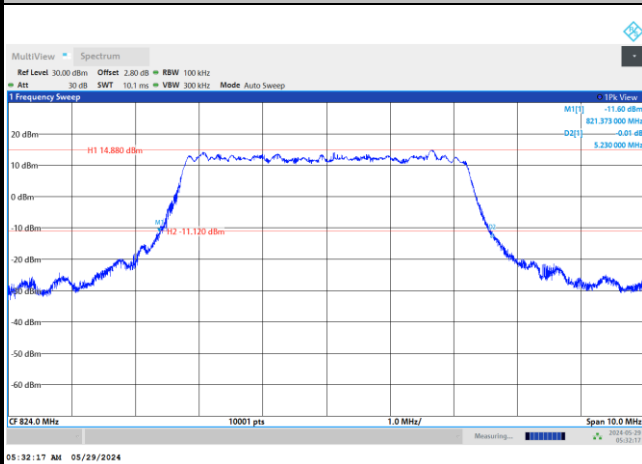
QPSK



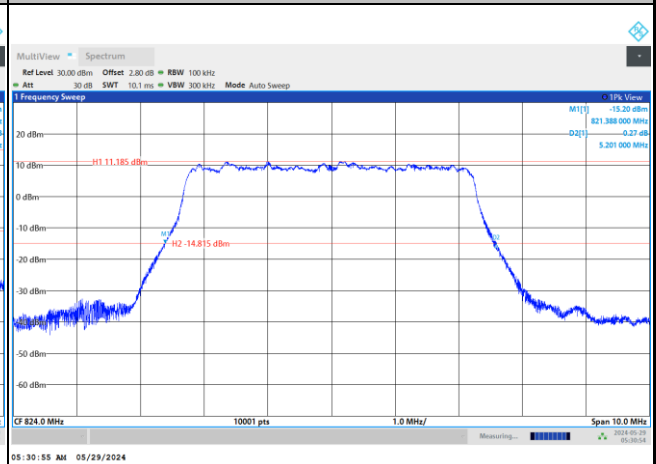
16QAM



64QAM



256QAM





MultiView Spectrum

Ref Level 30.00 dBm Offset 2.80 dB RBW 200 kHz

Att 30 dB SWT 10.1 ms VBW 1 MHz Mode Auto Sweep

1 Frequency Sweep

20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm

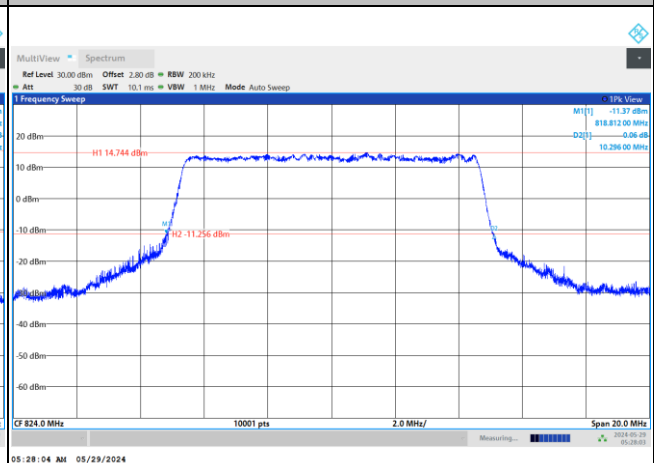
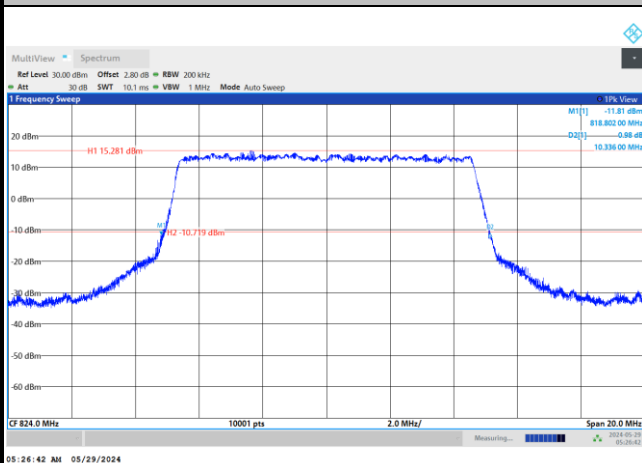
H1 18.820 dBm
H2 -7.180 dBm
D2 0.00 dBm

8.75 dBm
818.896 00 MHz
-0.50 dBm
9.814 00 MHz

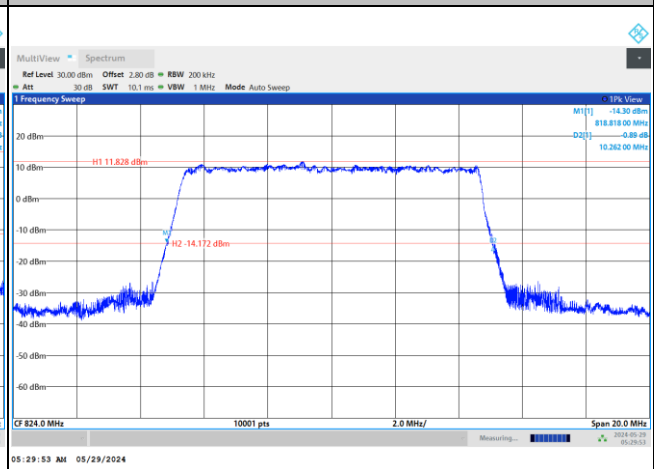
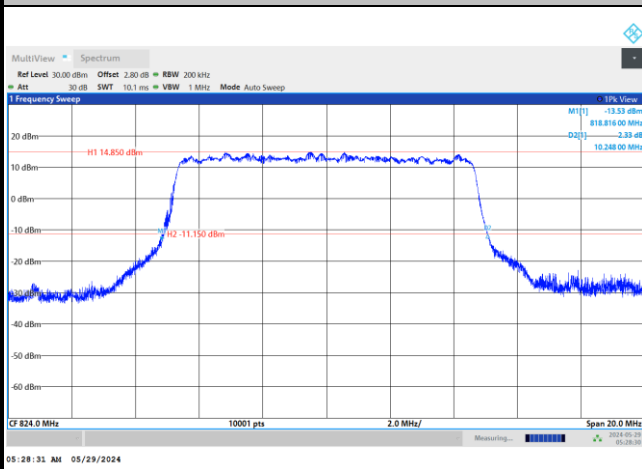
CF 824.0 MHz 10001 pts 2.0 MHz/ Span 20.0 MHz

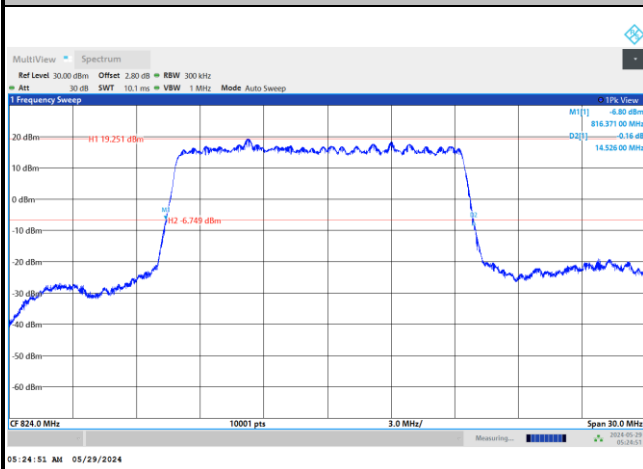
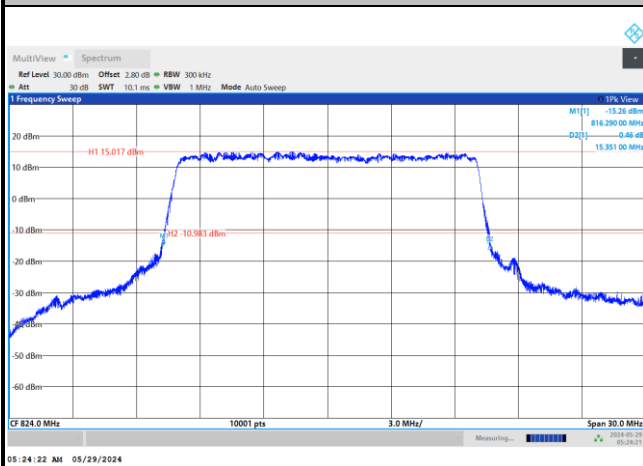
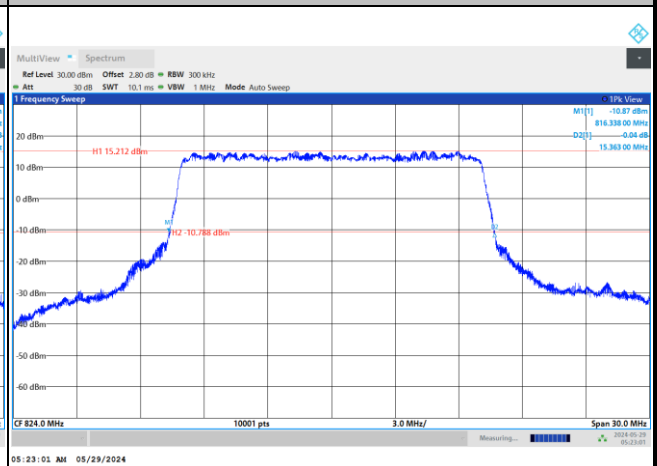
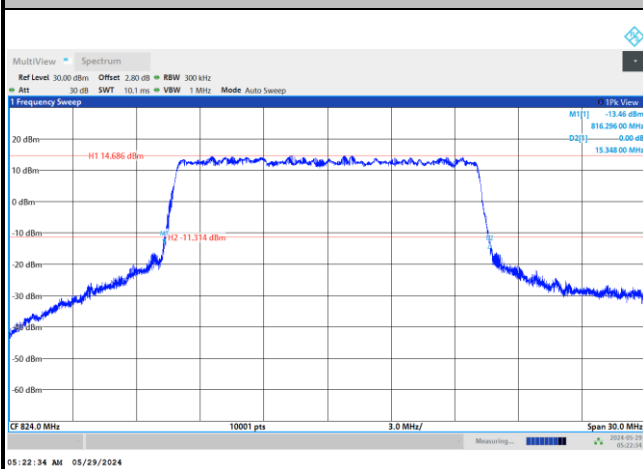
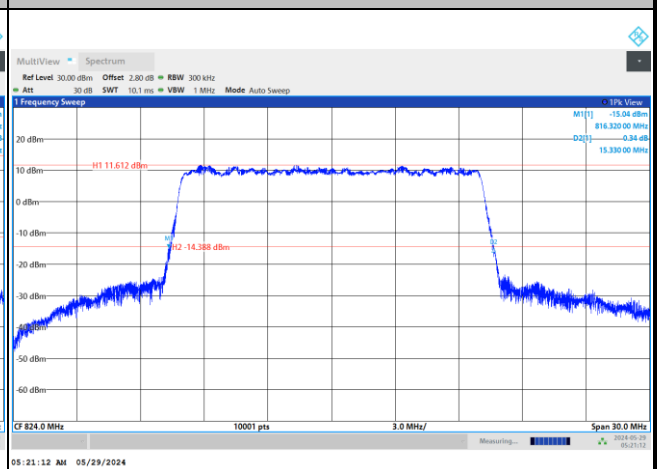
Measuring 05:26:14 AM 05/29/2024

16QAM



256QAM



FR1 n26 / 15MHz / DFT-S OFDM / 824MHz / Full RB
PI/2 BPSK

FR1 n26 / 15MHz / CP OFDM / 824MHz / Full RB
QPSK

16QAM

64QAM

256QAM




MultiView Spectrum

Ref Level 30.00 dBm Offset 2.80 dB RBW 500 kHz

Att 30 dB SWT 10.1 ms VBW 2 MHz Mode Auto Sweep

1 Frequency Sweep

20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm

824.0 MHz

10001 pts

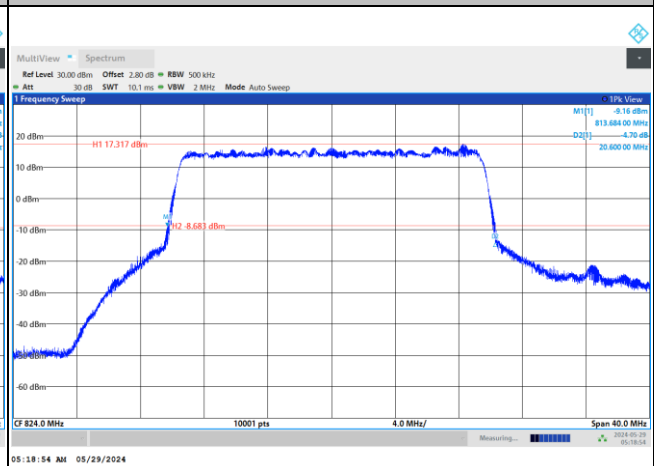
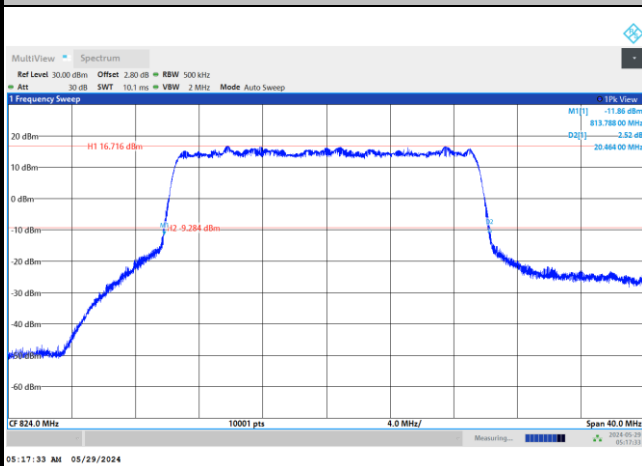
4.0 MHz/

Span 40.0 MHz

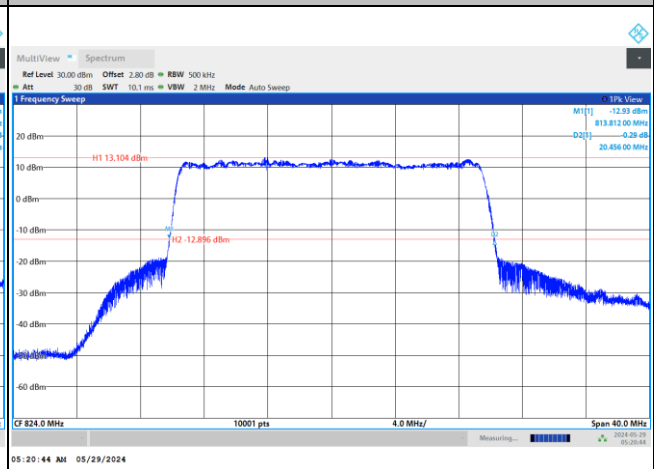
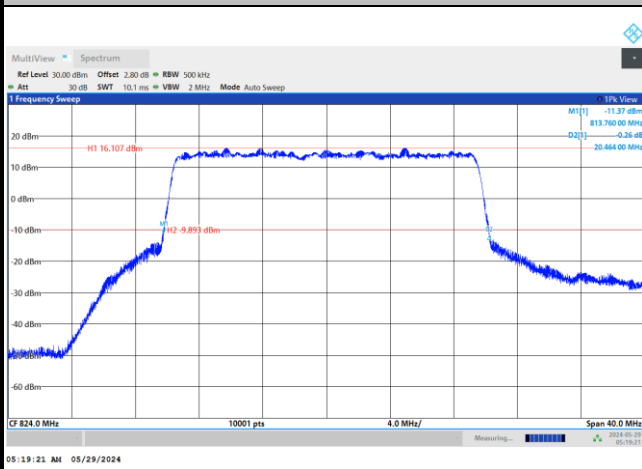
Measuring

05:17:04 AM 05/29/2024

16QAM



256QAM



**Occupied Bandwidth**

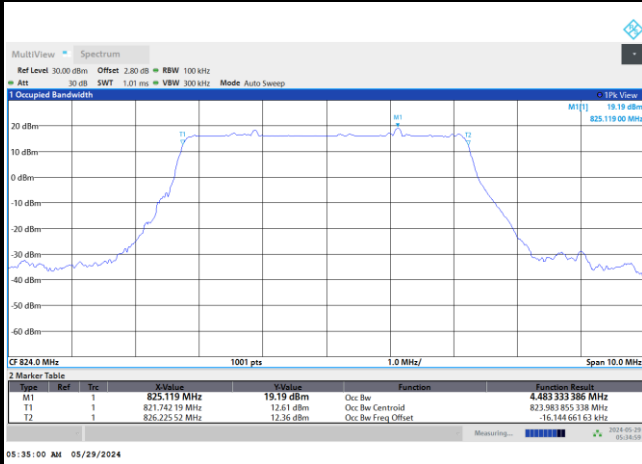
Mode	FR1 n26 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
824MHz	4.48		8.99		13.45		17.97	
BW	25MHz		30MHz					
Mod.	PI/2 BPSK		PI/2 BPSK					
824MHz	-		-					

Mode	FR1 n26 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
824MHz	4.51	4.54	9.31	9.32	14.14	14.15	18.94	19.02
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
824MHz	4.51	4.50	9.30	9.35	14.18	14.12	19.02	19.10



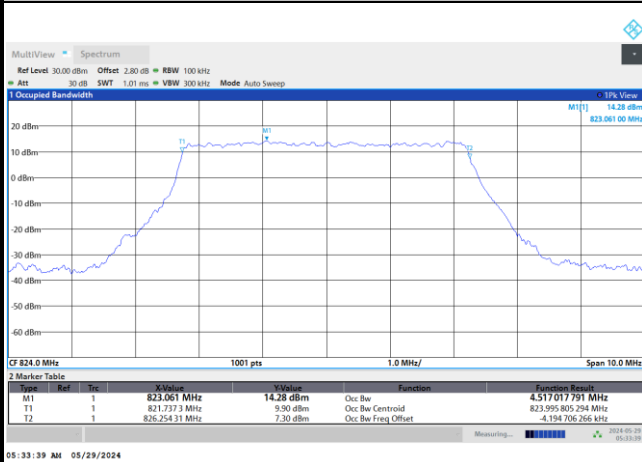
FR1 n26 / 5MHz / DFT-S OFDM / 824MHz / Full RB

PI/2 BPSK

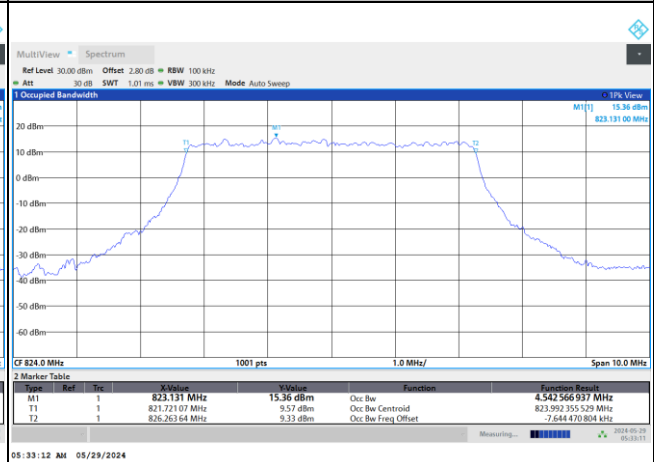


FR1 n26 / 5MHz / CP OFDM / 824MHz / Full RB

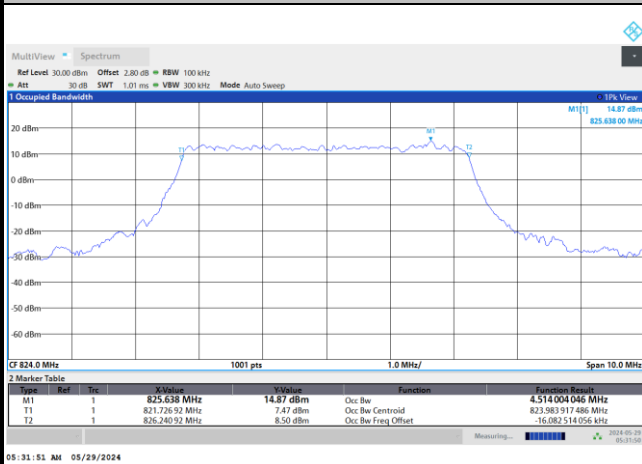
QPSK



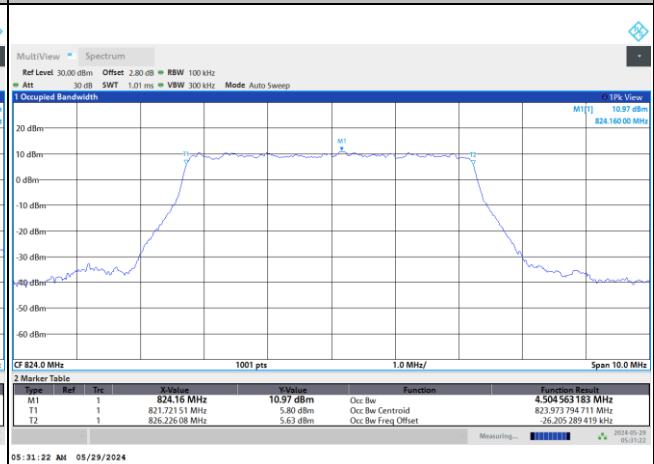
16QAM



64QAM



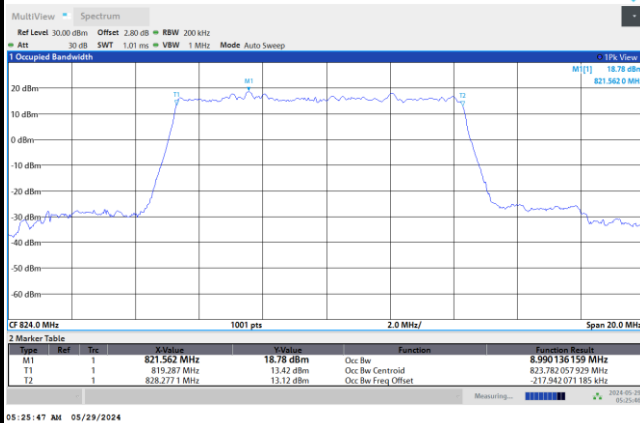
256QAM



FR1 n26 / 10MHz / DFT-S OFDM / 824MHz / Full RB

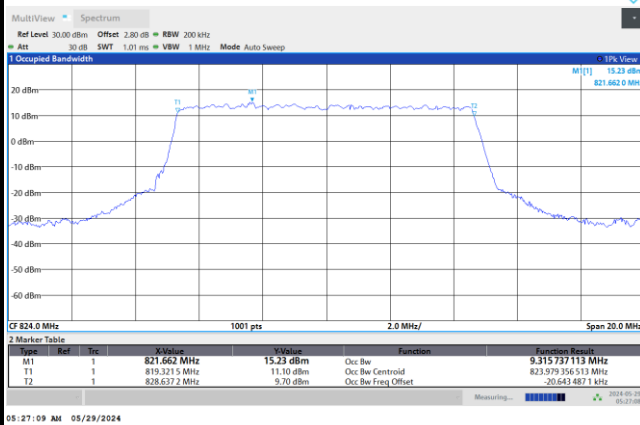


PI/2 BPSK

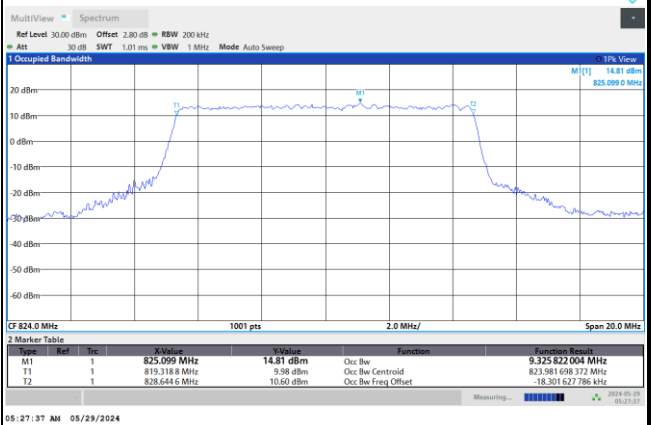


FR1 n26 / 10MHz / CP OFDM / 824MHz / Full RB

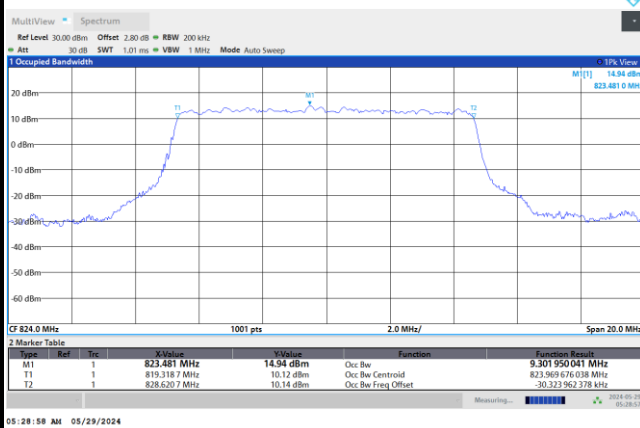
QPSK



16QAM



64QAM



256QAM

