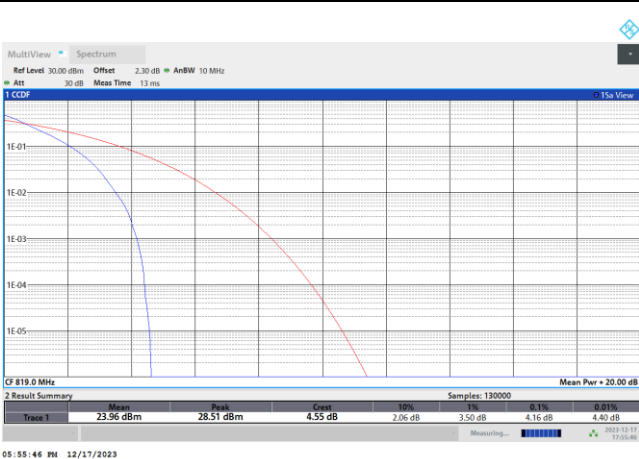


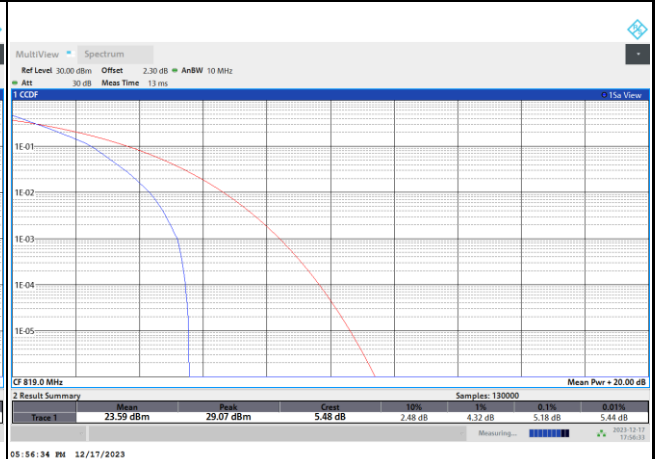


FR1 n26 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

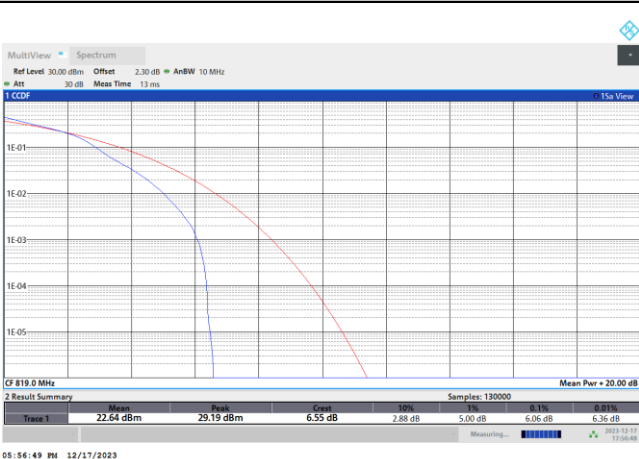
PI/2 BPSK



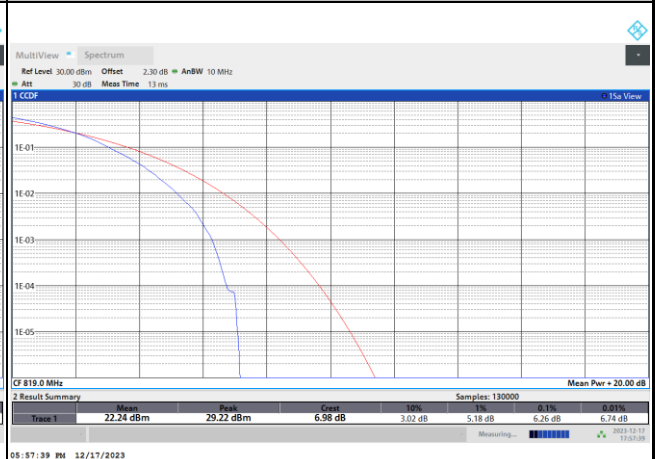
QPSK



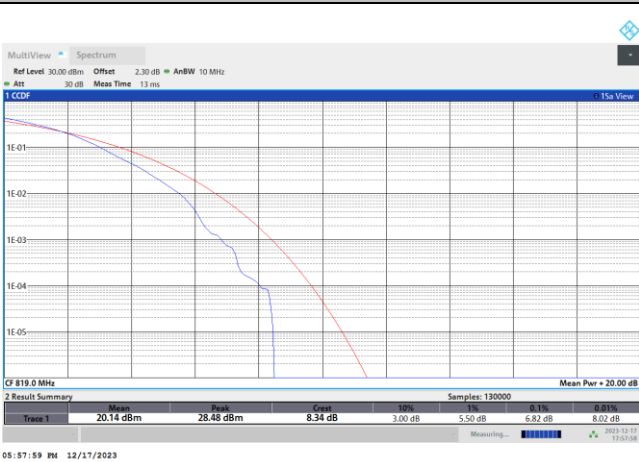
16QAM



64QAM



256QAM





**26dB Bandwidth**

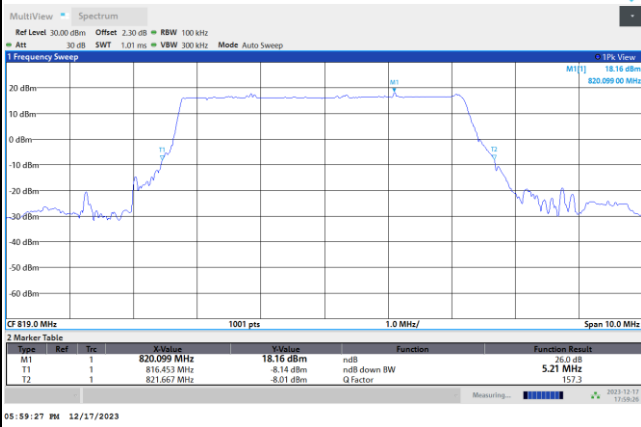
Mode	FR1 n26 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz					
Mod.	PI/2 BPSK		PI/2 BPSK					
Middle CH	5.21		9.87					

Mode	FR1 n26 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Middle CH	5.25	5.13	10.39	10.25				
Mod.	64QAM	256QAM	64QAM	256QAM				
Middle CH	5.17	5.33	10.09	10.19				



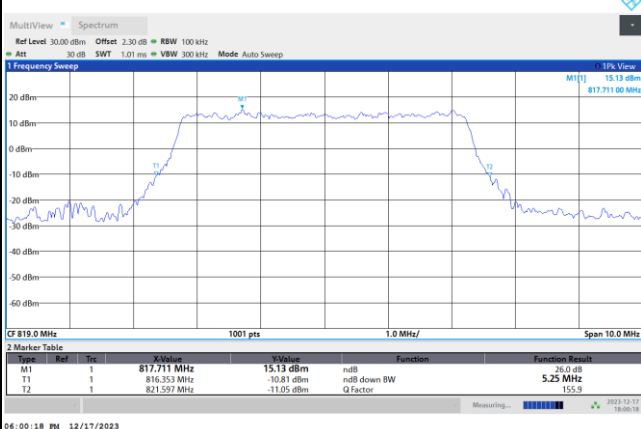
FR1 n26 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

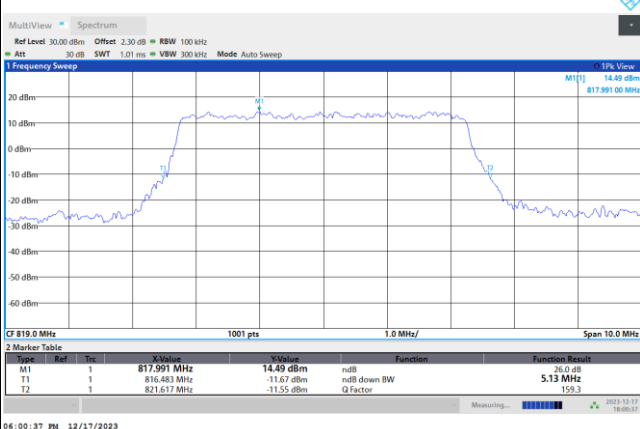


FR1 n26 / 5MHz / CP OFDM / Middle Channel / Full RB

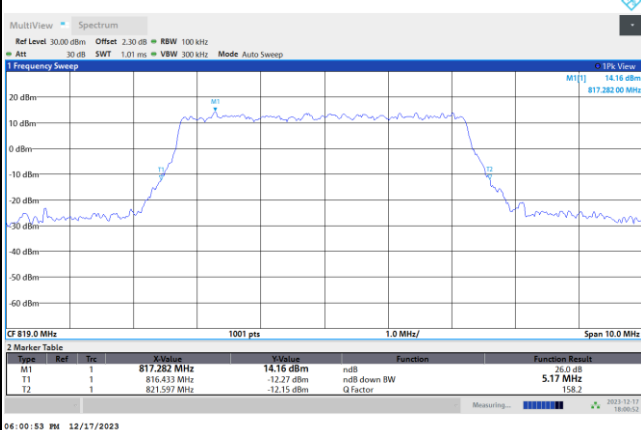
QPSK



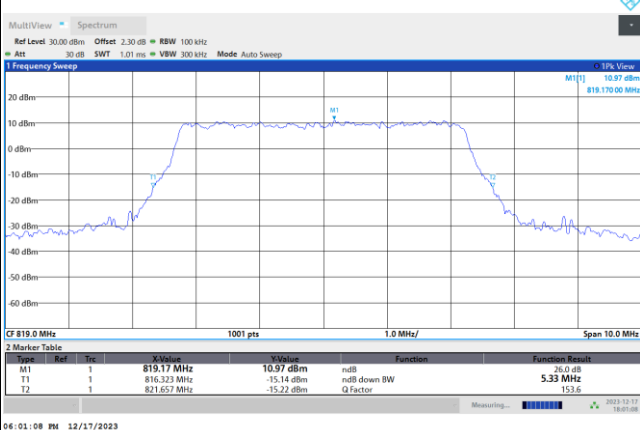
16QAM



64QAM



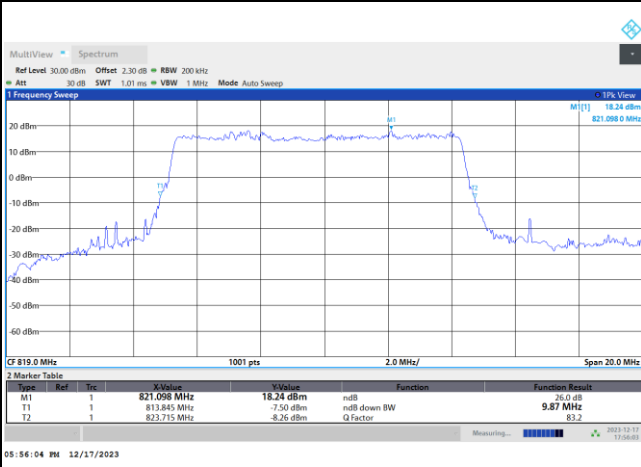
256QAM





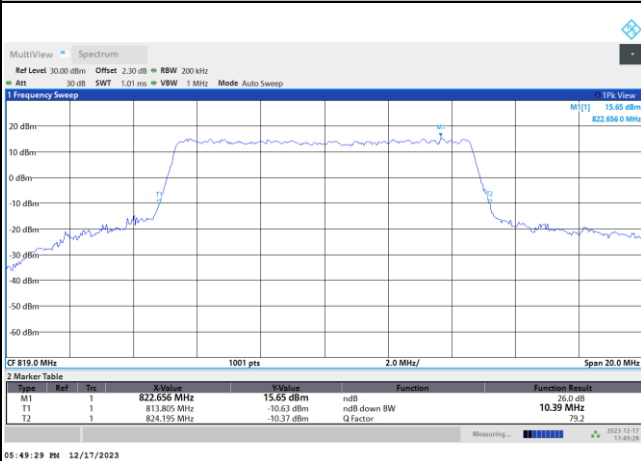
FR1 n26 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

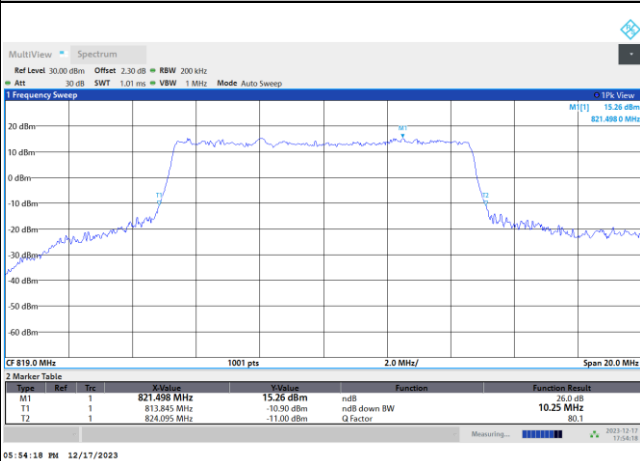


FR1 n26 / 10MHz / CP OFDM / Middle Channel / Full RB

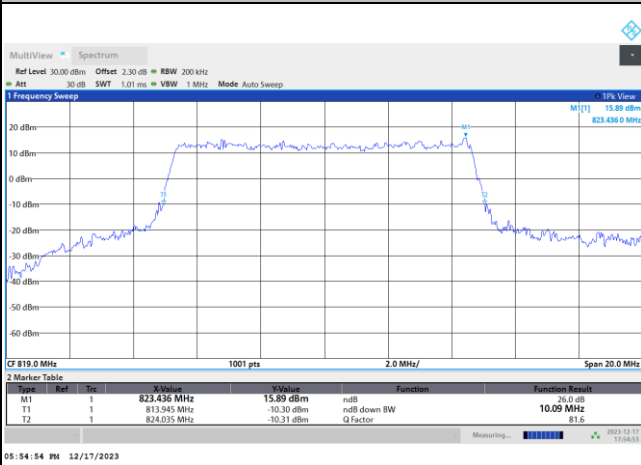
QPSK



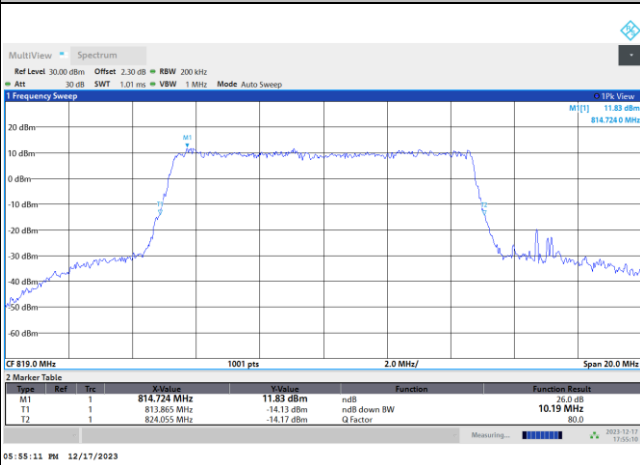
16QAM



64QAM



256QAM





### Occupied Bandwidth

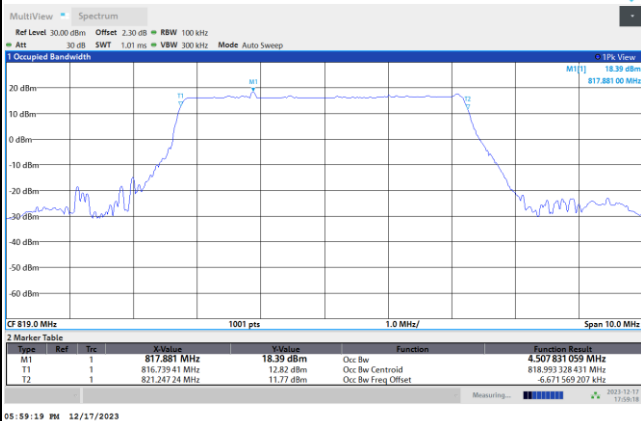
Mode	FR1 n26 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz					
Mod.	PI/2 BPSK		PI/2 BPSK					
Middle CH	4.50		8.99					

Mode	FR1 n26 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Middle CH	4.53	4.50	9.36	9.33				
Mod.	64QAM	256QAM	64QAM	256QAM				
Middle CH	4.50	4.52	9.33	9.37				



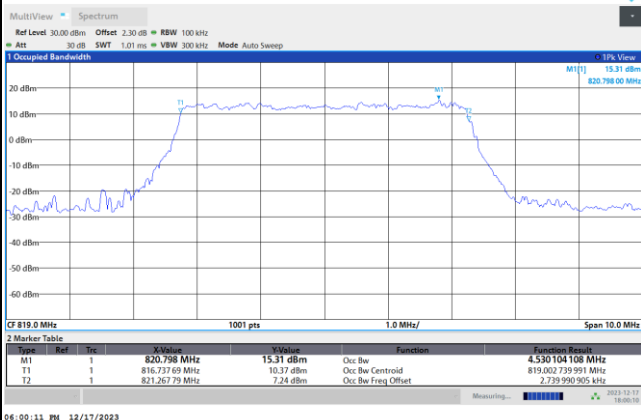
FR1 n26 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

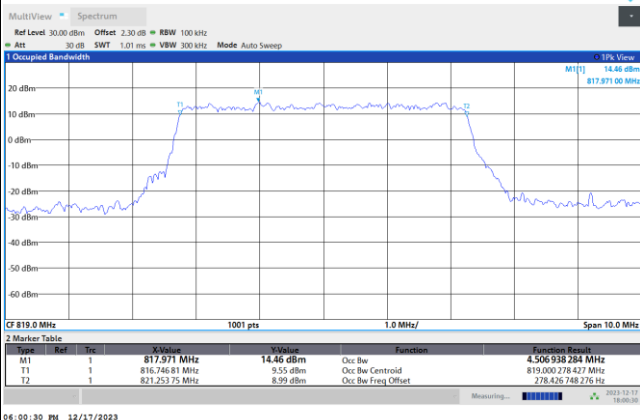


FR1 n26 / 5MHz / CP OFDM / Middle Channel / Full RB

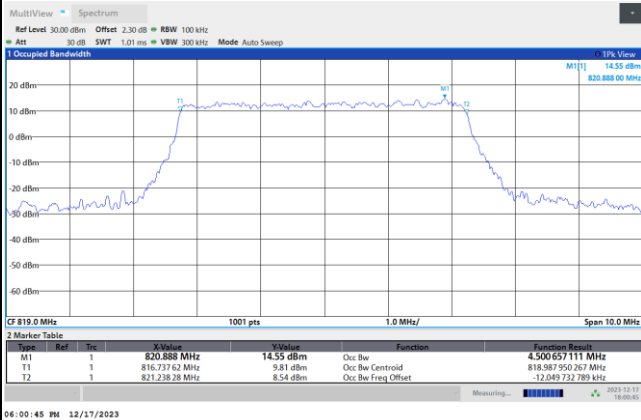
QPSK



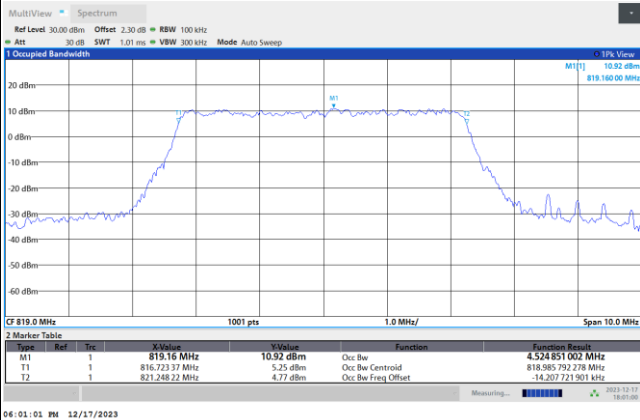
16QAM



64QAM



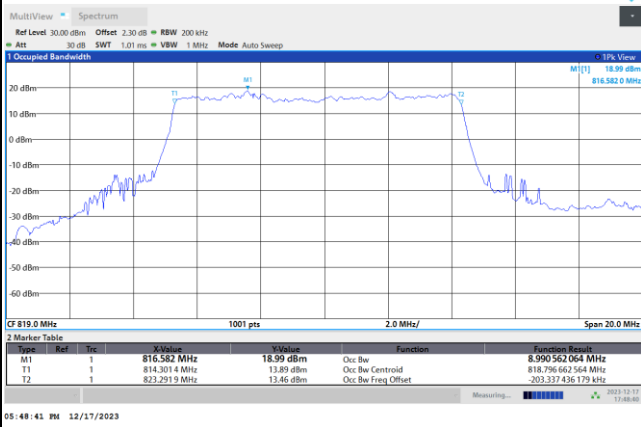
256QAM





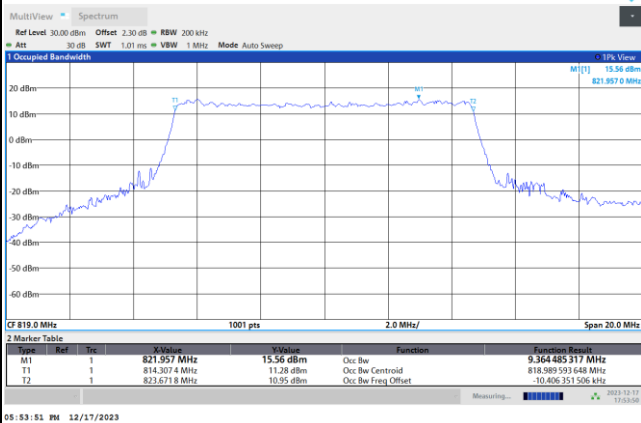
FR1 n26 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

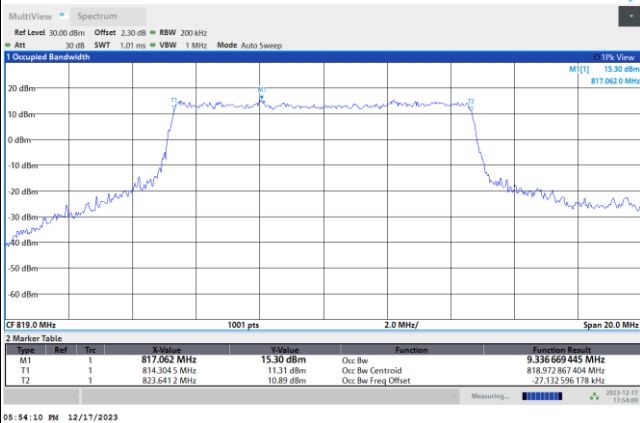


FR1 n26 / 10MHz / CP OFDM / Middle Channel / Full RB

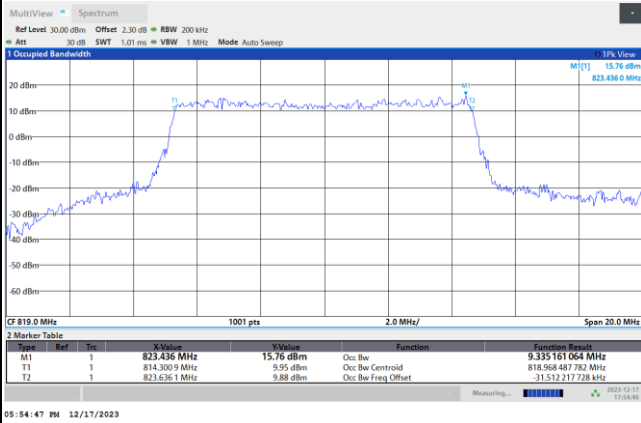
QPSK



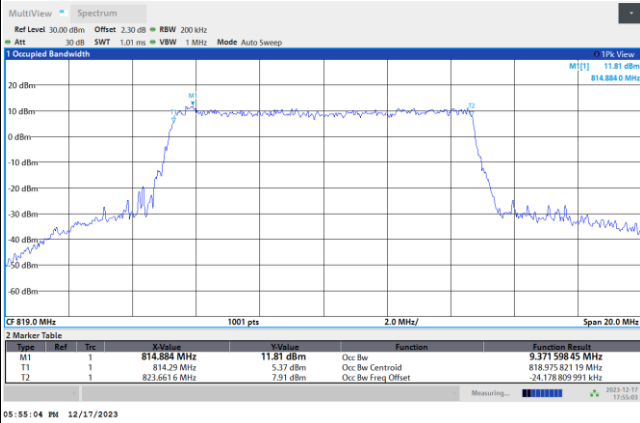
16QAM



64QAM

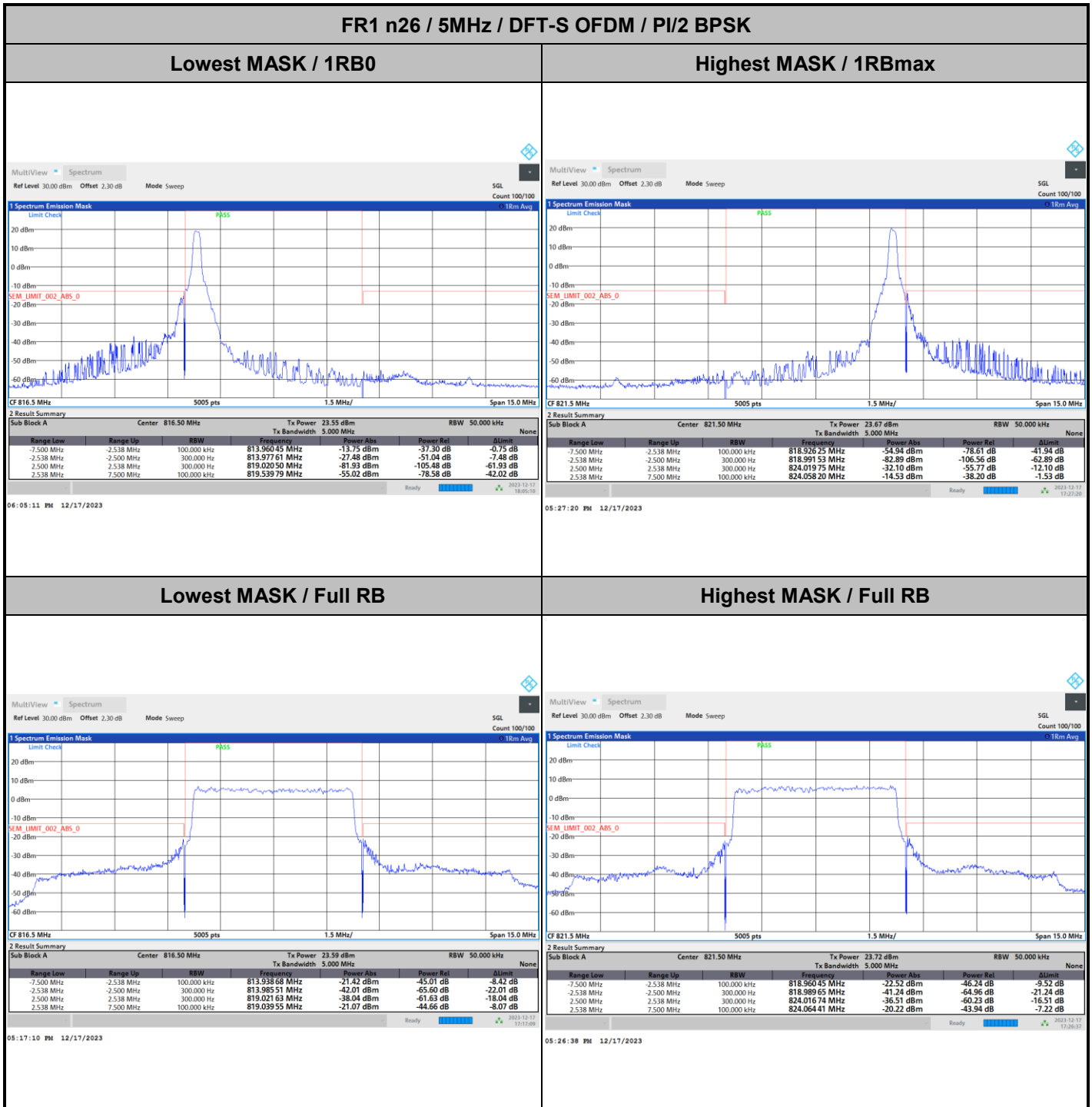


256QAM





# Emission masks – In-band emissions



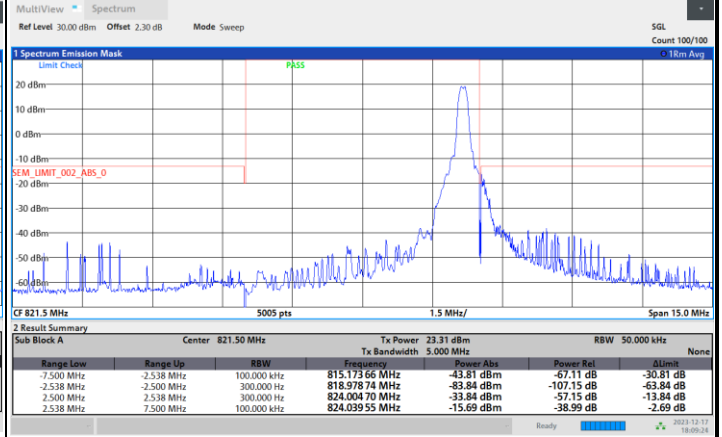
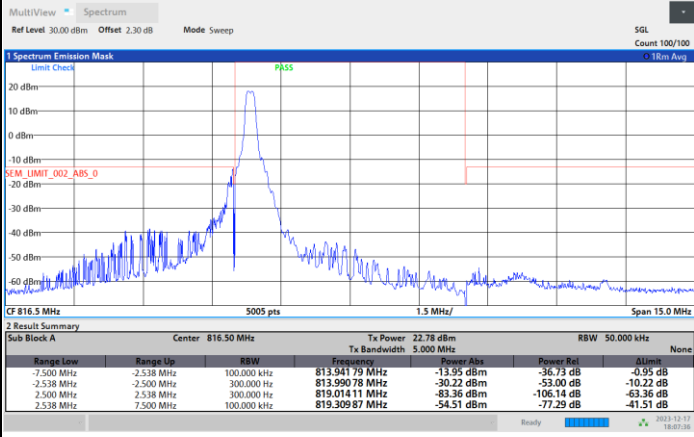




FR1 n26 / 5MHz / DFT-S OFDM / QPSK

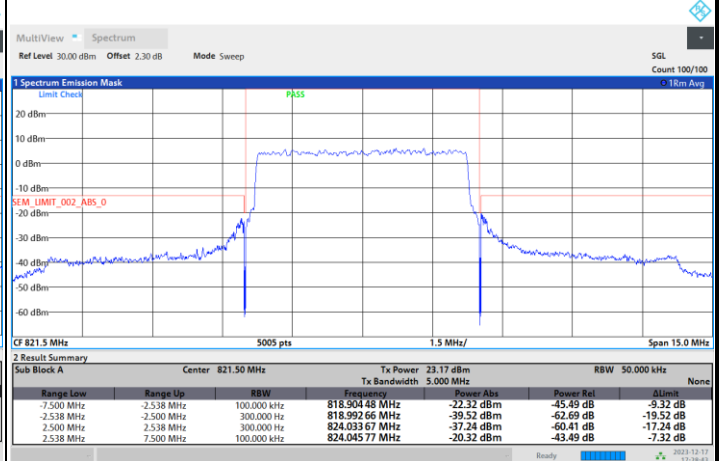
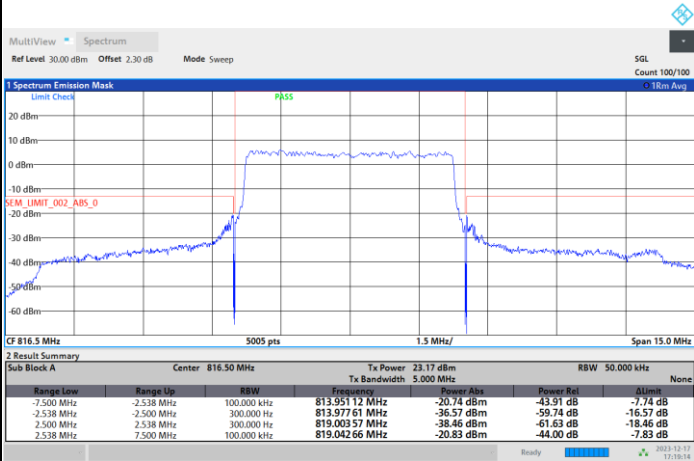
Lowest MASK / 1RB0

Highest MASK / 1RBmax



Lowest MASK / Full RB

Highest MASK / Full RB

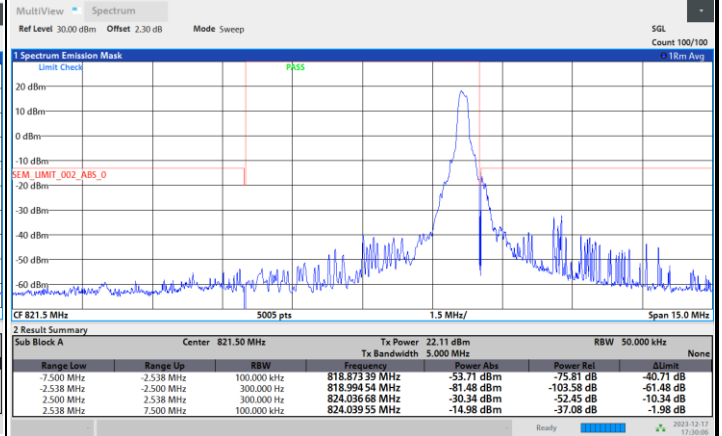
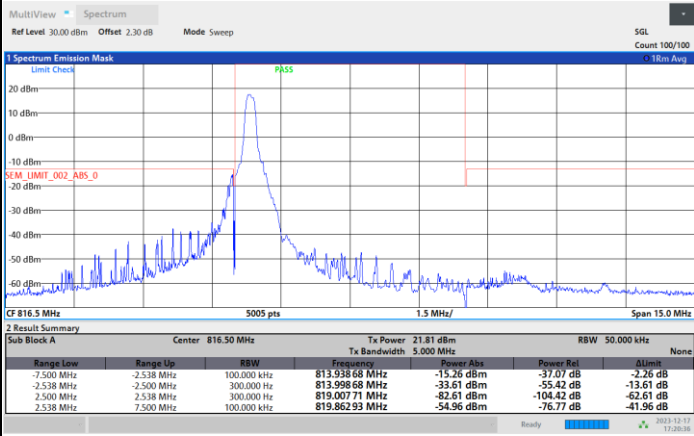




FR1 n26 / 5MHz / DFT-S OFDM / 16QAM

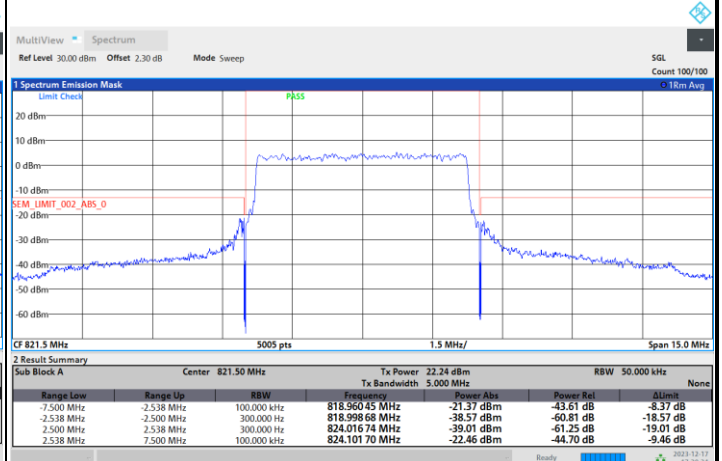
Lowest MASK / 1RB0

Highest MASK / 1RBmax



Lowest MASK / Full RB

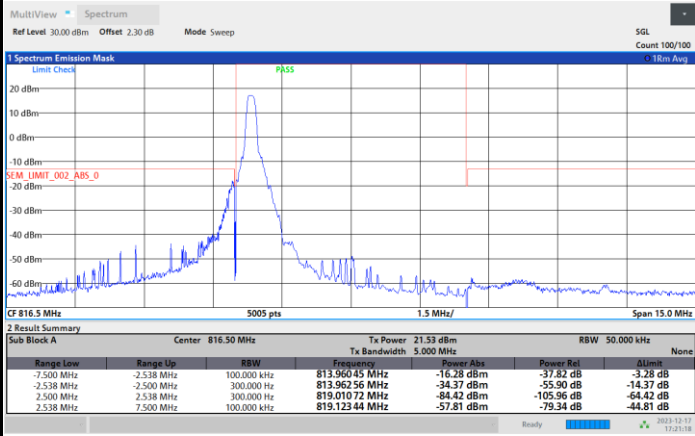
Highest MASK / Full RB



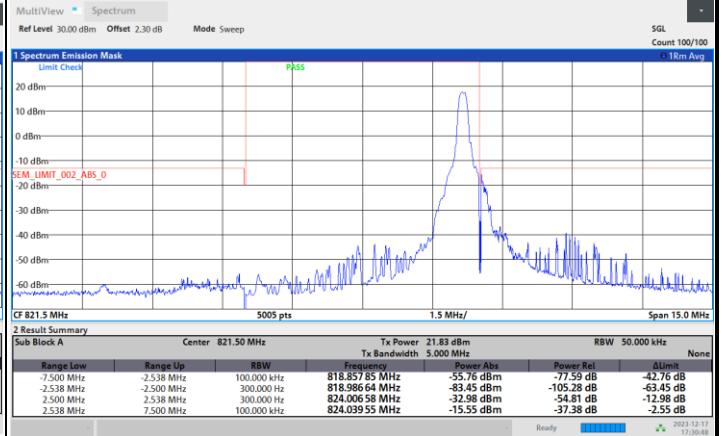


FR1 n26 / 5MHz / DFT-S OFDM / 64QAM

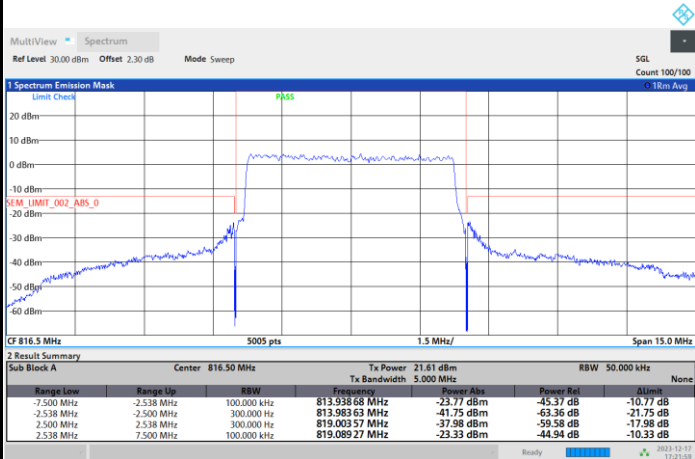
Lowest MASK / 1RB0



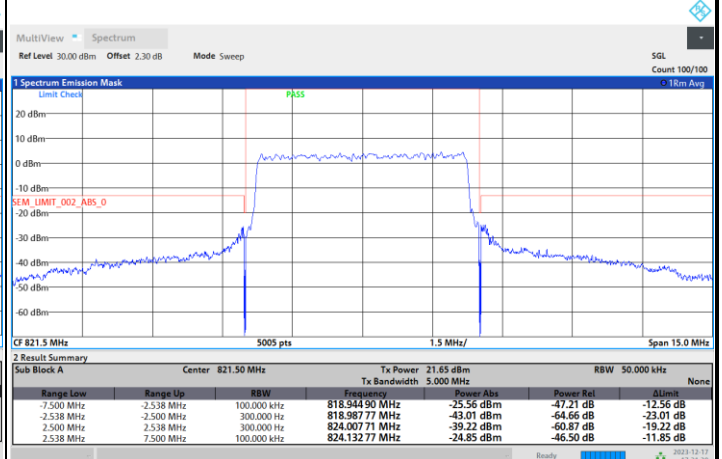
Highest MASK / 1RBmax



Lowest MASK / Full RB



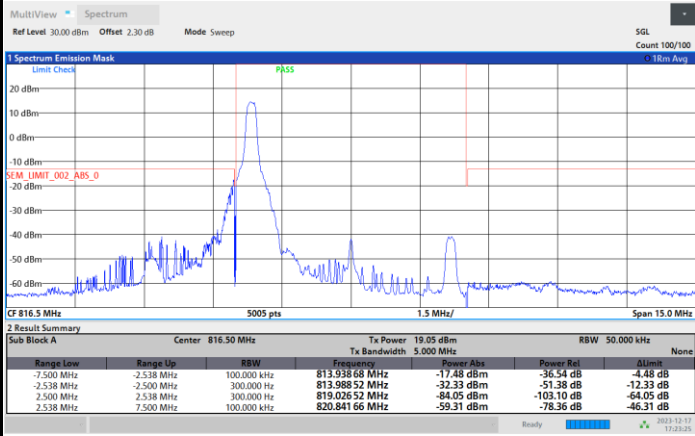
Highest MASK / Full RB





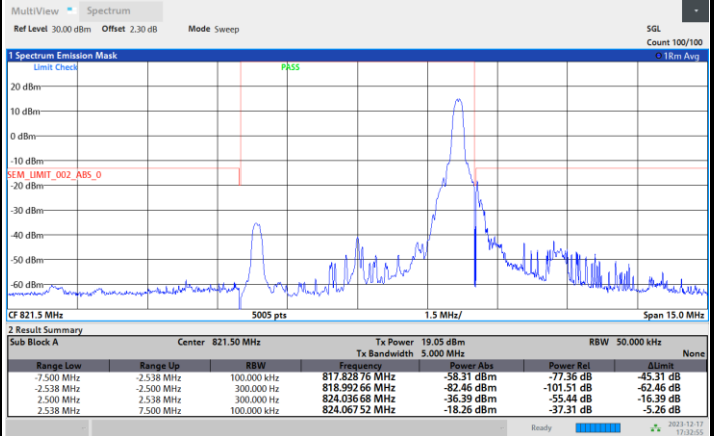
FR1 n26 / 5MHz / DFT-S OFDM / 256QAM

Lowest MASK / 1RB0



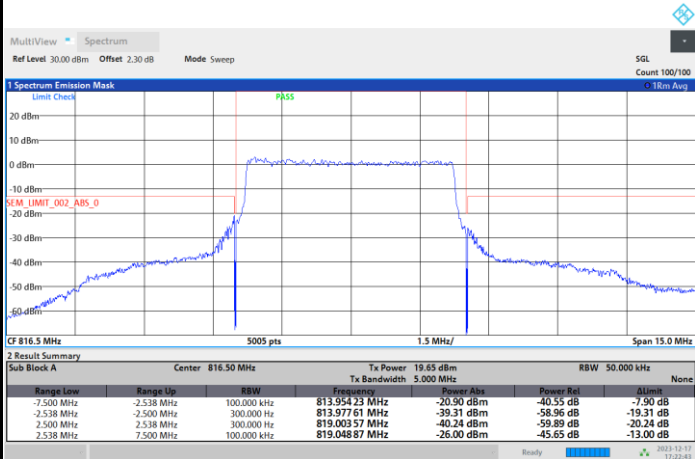
05:23:25 PM 12/17/2023

Highest MASK / 1RBmax



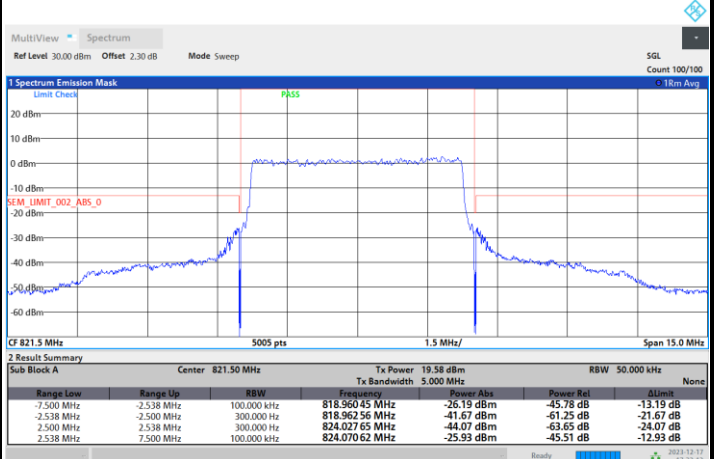
05:32:55 PM 12/17/2023

Lowest MASK / Full RB



05:22:44 PM 12/17/2023

Highest MASK / Full RB



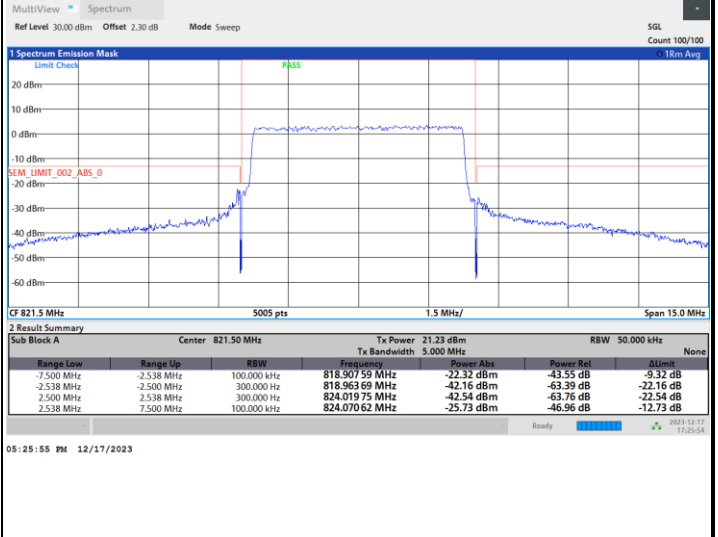
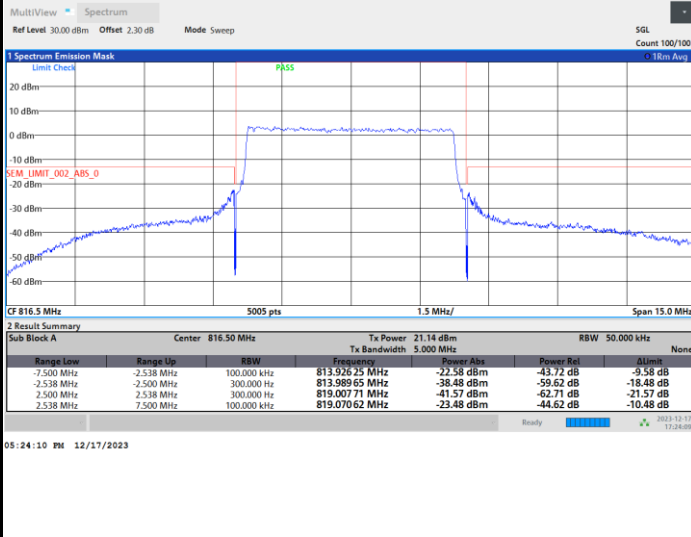
05:32:13 PM 12/17/2023



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

Lowest MASK

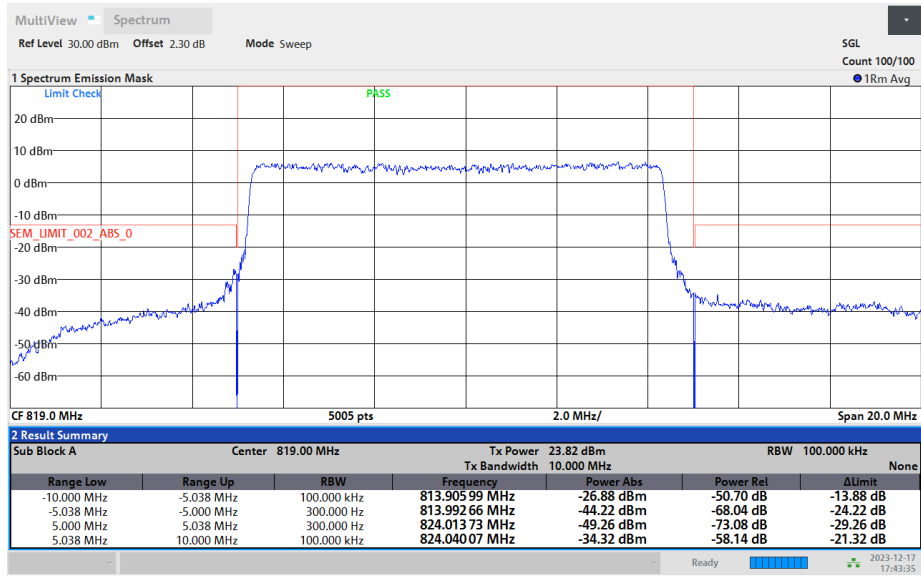
Highest MASK





FR1 n26 / 10MHz / DFT-s-OFDM / PI/2 BPSK

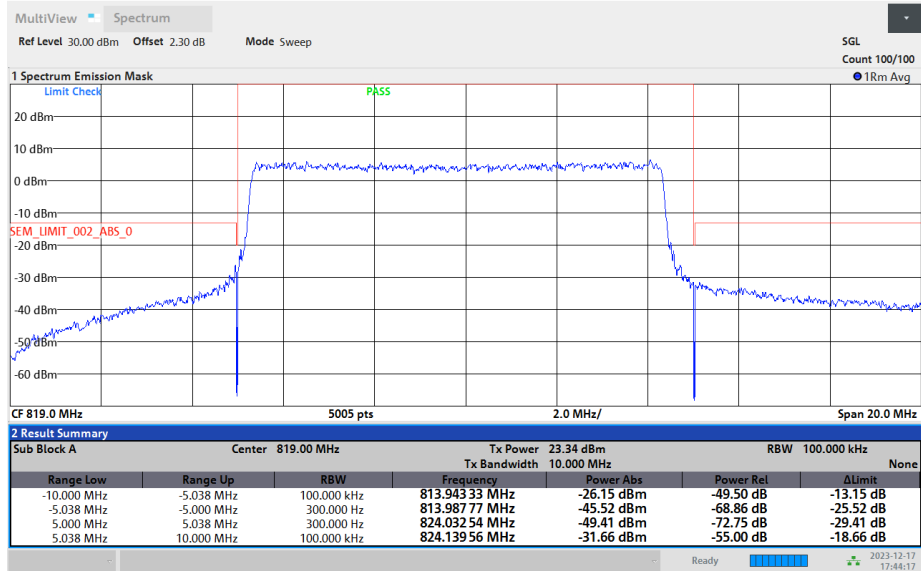
Middle MASK / Full RB



05:43:36 PM 12/17/2023

FR1 n26 / 10MHz / DFT-s-OFDM / QPSK

Lowest MASK / Full RB

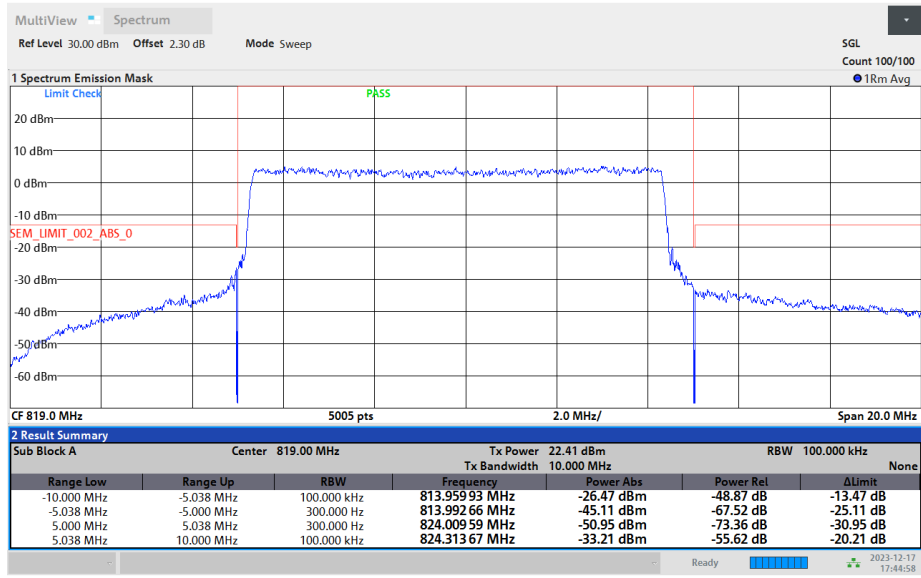


05:44:18 PM 12/17/2023



FR1 n26 / 10MHz / DFT-s-OFDM / 16QAM

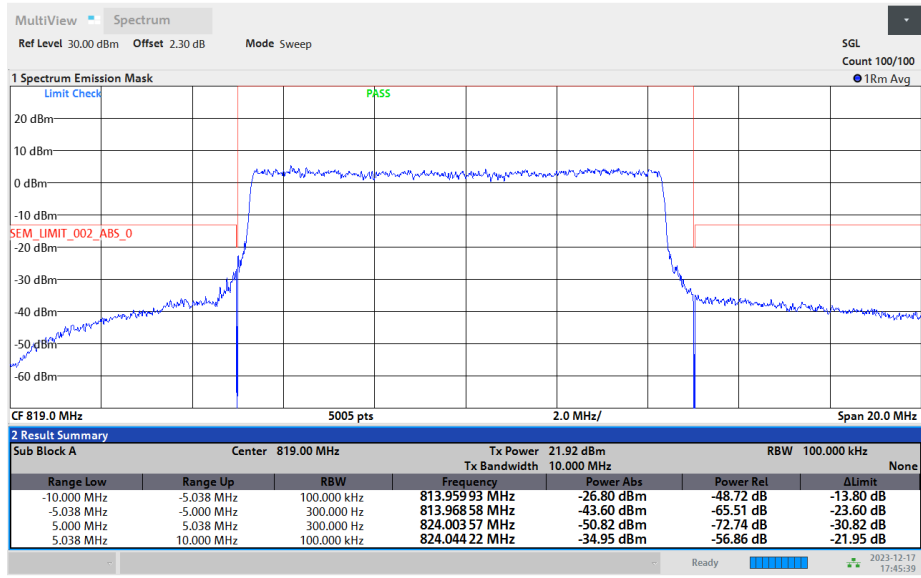
Middle MASK / Full RB



05:44:59 PM 12/17/2023

FR1 n26 / 10MHz / DFT-s-OFDM / 64QAM

Middle MASK / Full RB

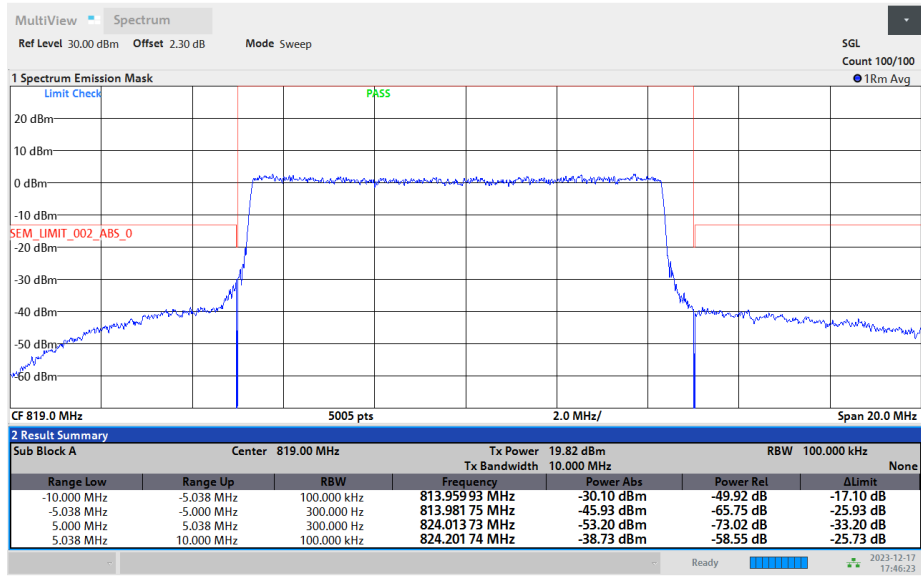


05:45:40 PM 12/17/2023



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

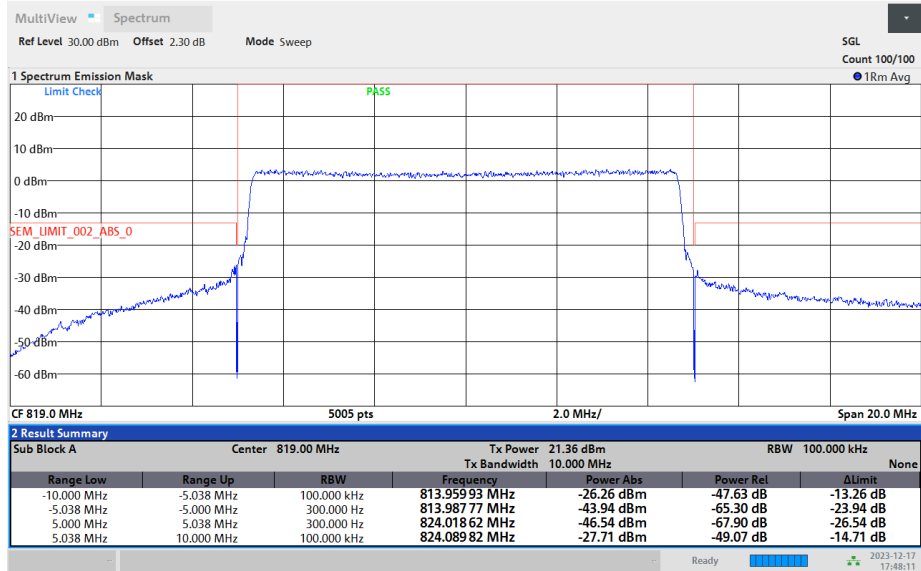
Middle MASK / Full RB



05:46:23 PM 12/17/2023

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

Middle MASK



05:48:12 PM 12/17/2023

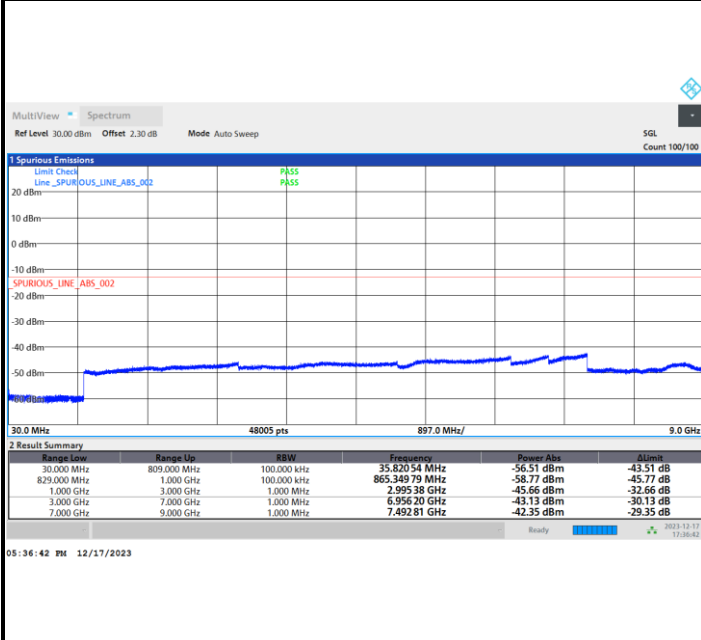




# Emission masks – Out of band emissions

FR1 n26 / 5MHz / DFT-S OFDM / QPSK / 1RB1

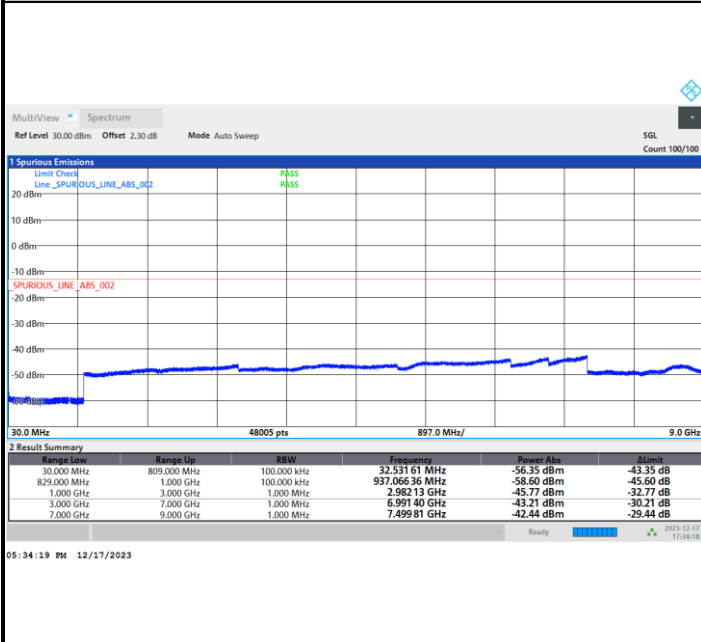
## Lowest Channel



## Middle Channel



## Highest Channel





### Frequency Stability

Test Conditions		FR1 n26 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0079	
30	Normal Voltage	0.0016	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0073	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0063	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	

**Note:**

1. Normal Voltage = 3.8 V. ; Battery End Point (MASKP) = 3.6 V. ; Maximum Voltage = 4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



## FR1 n26 (Part90s Straddle Channel)

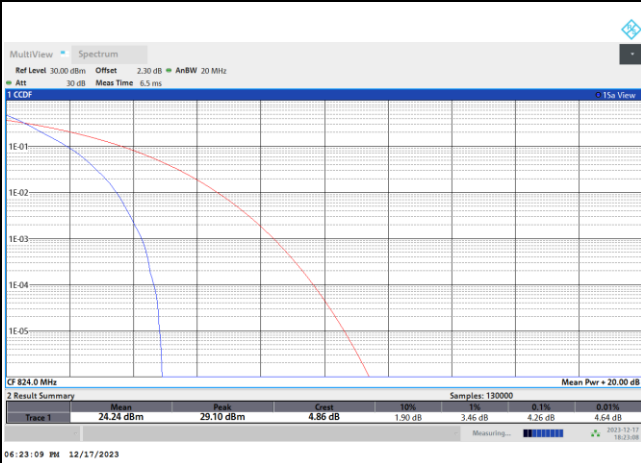
### Peak-to-Average Ratio

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
824 MHz	4.26	5.16	5.92	6.36	PASS
Mode	FR1 n26 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
824 MHz	6.86				PASS

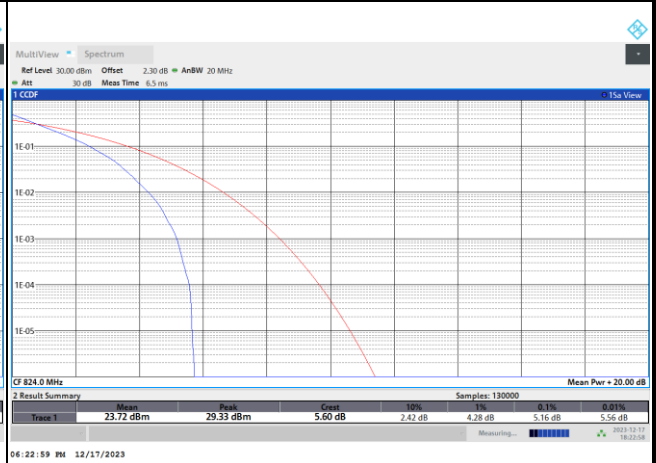


FR1 n26 / 20MHz / DFT-S OFDM / 824 MHz / Full RB

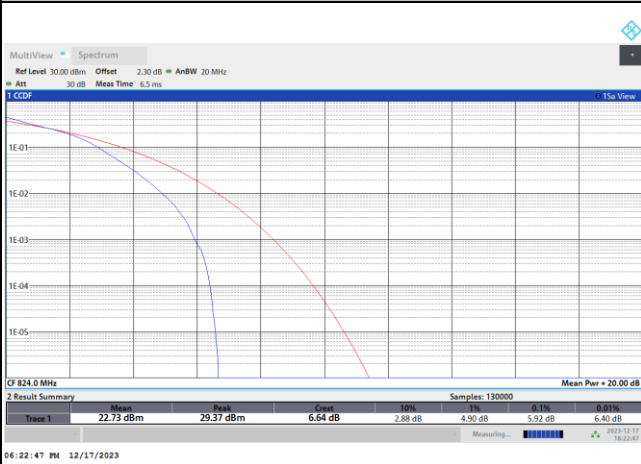
PI/2 BPSK



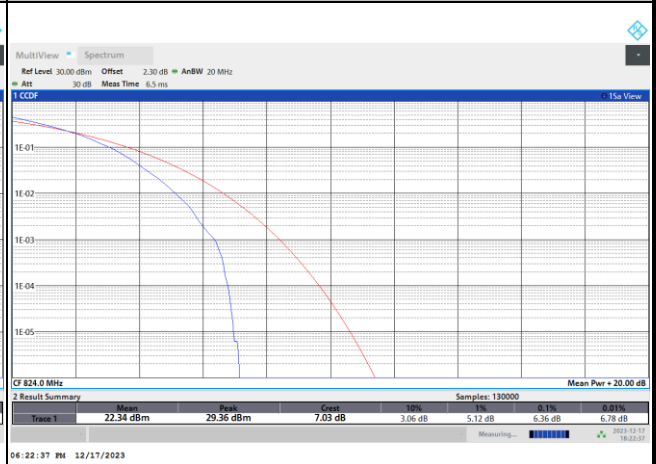
QPSK



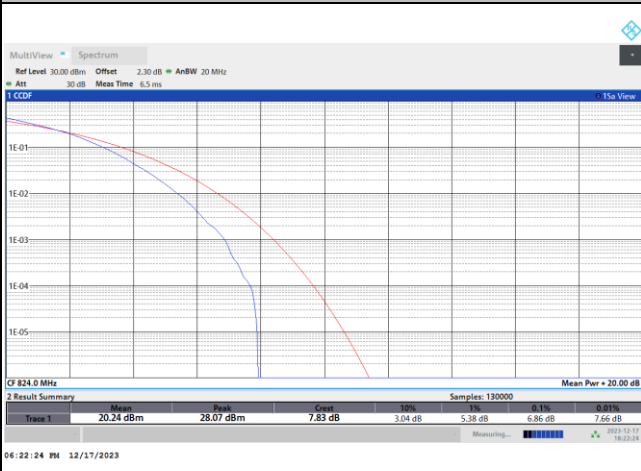
16QAM



64QAM



256QAM





**26dB Bandwidth**

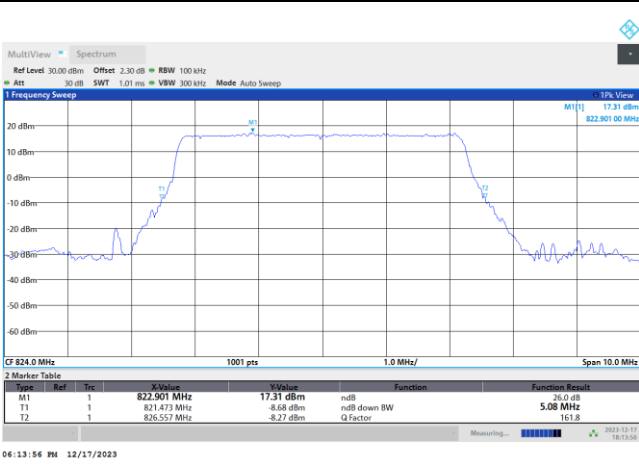
Mode	FR1 n26 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
824 MHz	5.08		9.71		14.54		19.42	
BW	25MHz		30MHz					
Mod.	PI/2 BPSK		PI/2 BPSK					
824 MHz	-		-					

Mode	FR1 n26 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
824 MHz	5.20	5.09	10.03	10.07	15.02	15.13	20.42	20.42
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
824 MHz	5.18	5.18	10.17	10.17	15.11	15.20	20.30	20.42
BW	25MHz		30MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
824 MHz	-	-	-	-				
Mod.	64QAM	256QAM	64QAM	256QAM				
824 MHz	-	-	-	-				



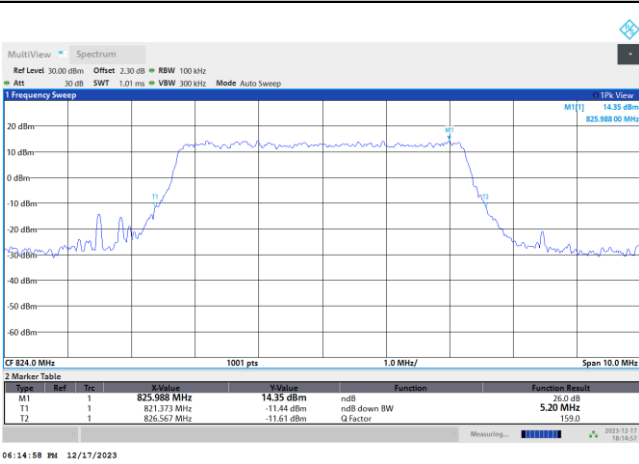
FR1 n26 / 5MHz / DFT-S OFDM / 824 MHz / Full RB

PI/2 BPSK

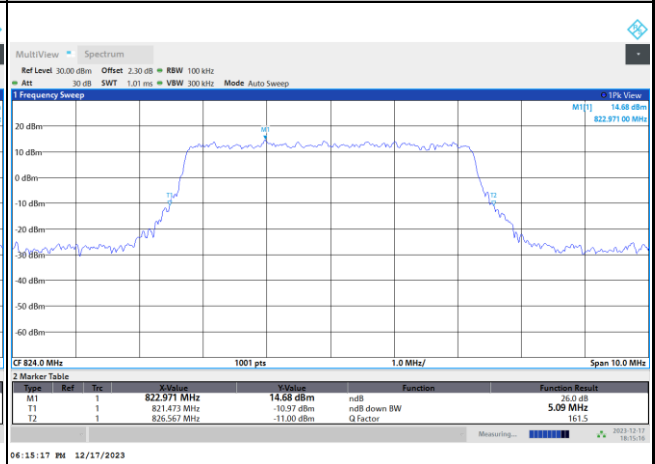


FR1 n26 / 5MHz / CP OFDM / 824 MHz / Full RB

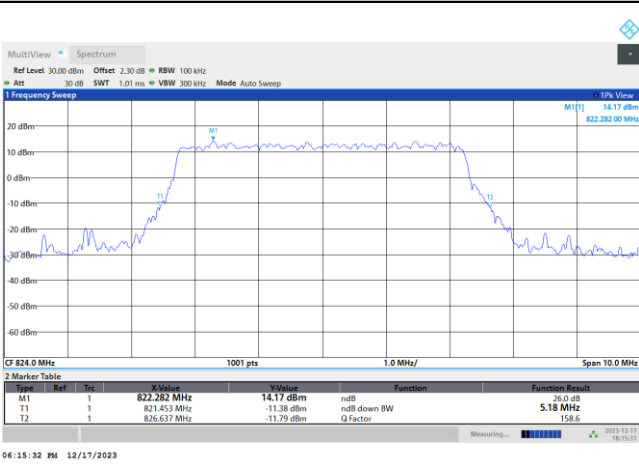
QPSK



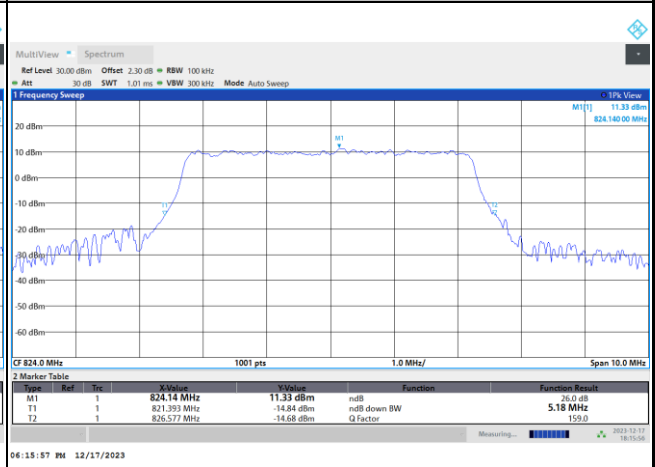
16QAM



64QAM



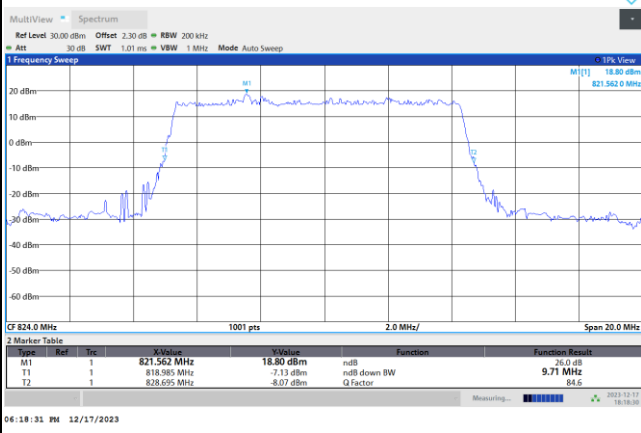
256QAM





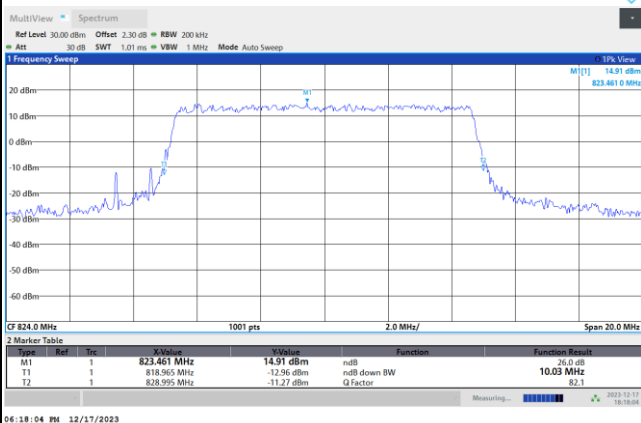
FR1 n26 / 10MHz / DFT-S OFDM / 824 MHz / Full RB

PI/2 BPSK

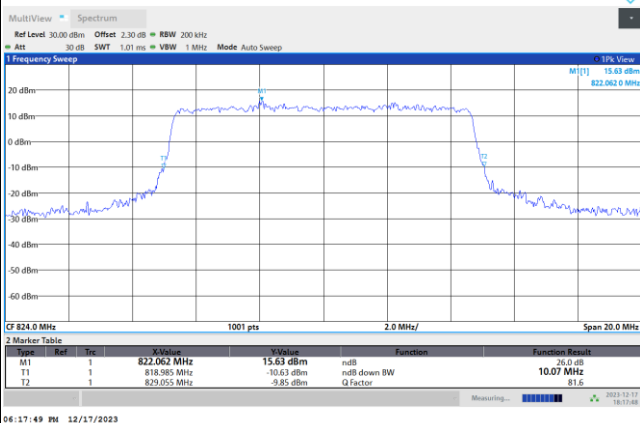


FR1 n26 / 10MHz / CP OFDM / 824 MHz / Full RB

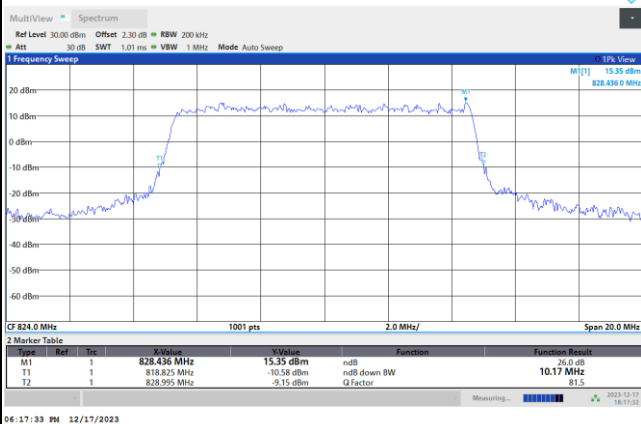
QPSK



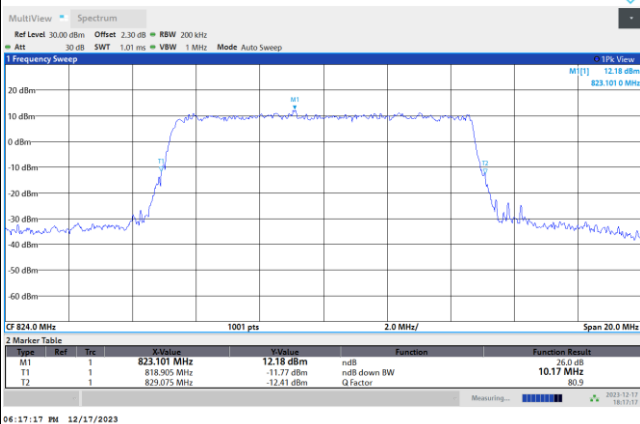
16QAM



64QAM



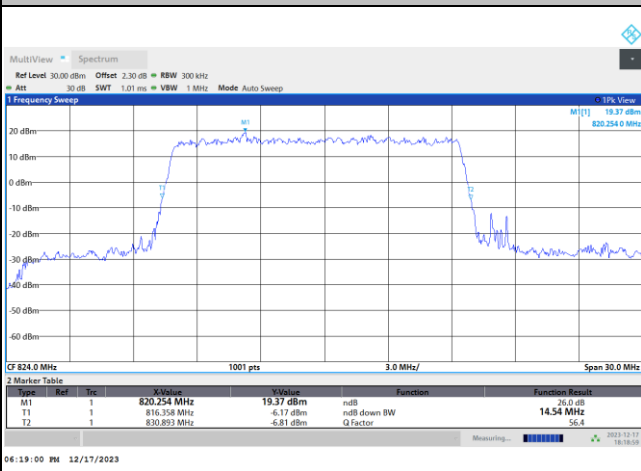
256QAM





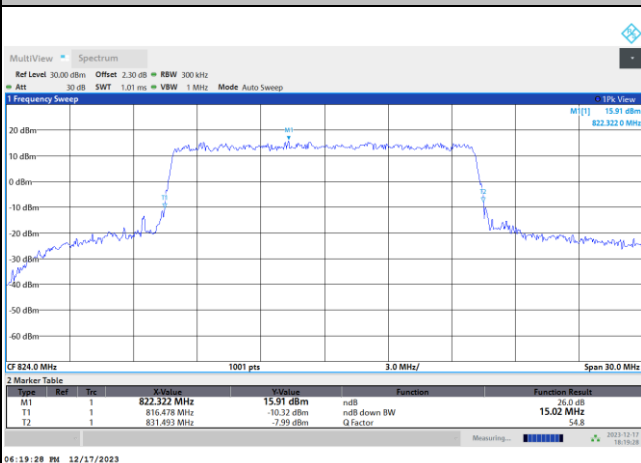
FR1 n26 / 15MHz / DFT-S OFDM / 824 MHz / Full RB

PI/2 BPSK

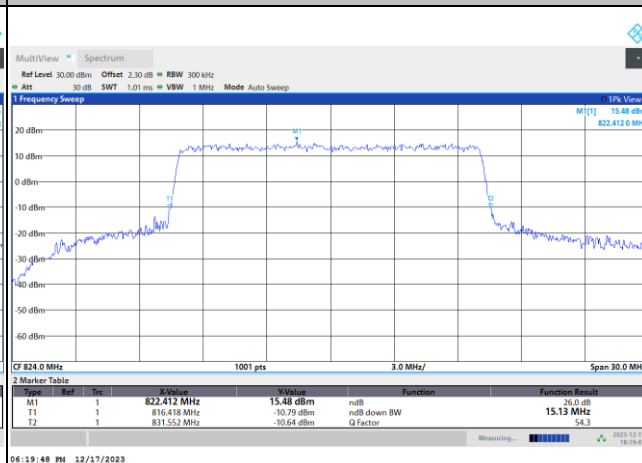


FR1 n26 / 15MHz / CP OFDM / 824 MHz / Full RB

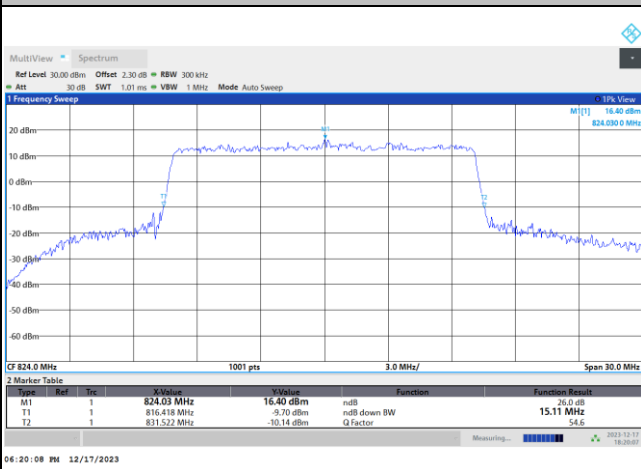
QPSK



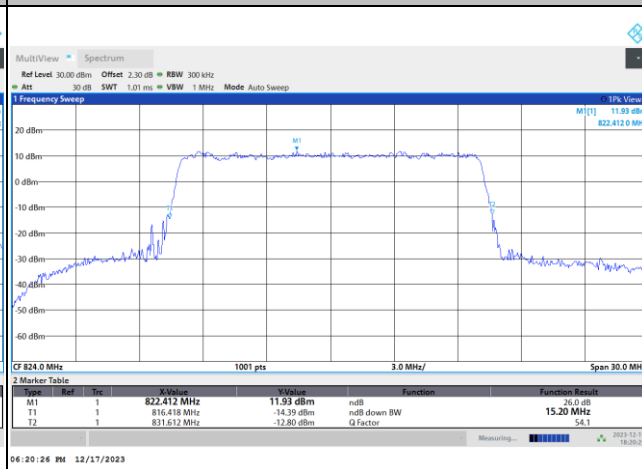
16QAM



64QAM



256QAM

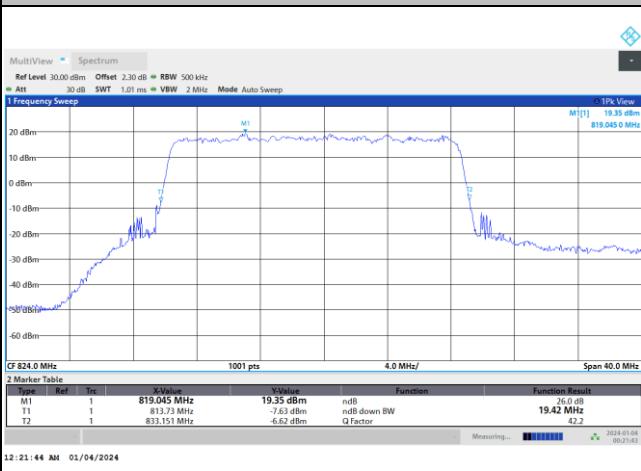






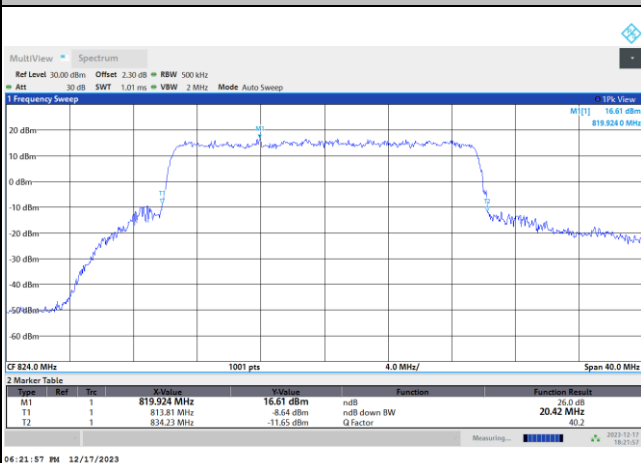
FR1 n26 / 20MHz / DFT-S OFDM / 824 MHz / Full RB

PI/2 BPSK

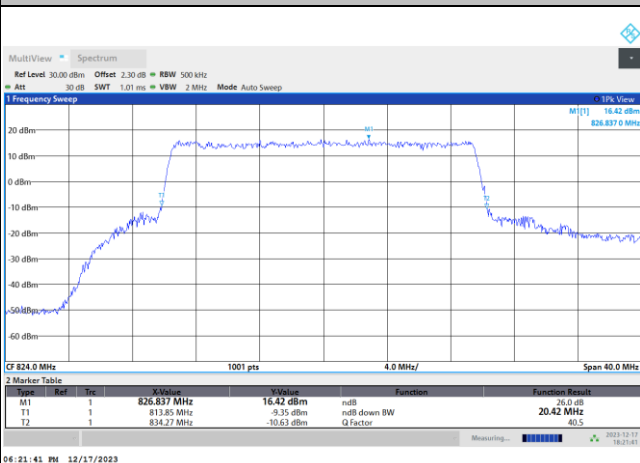


FR1 n26 / 20MHz / CP OFDM / 824 MHz / Full RB

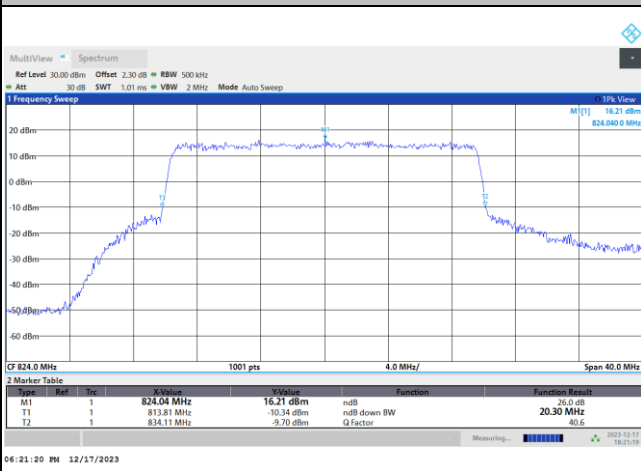
QPSK



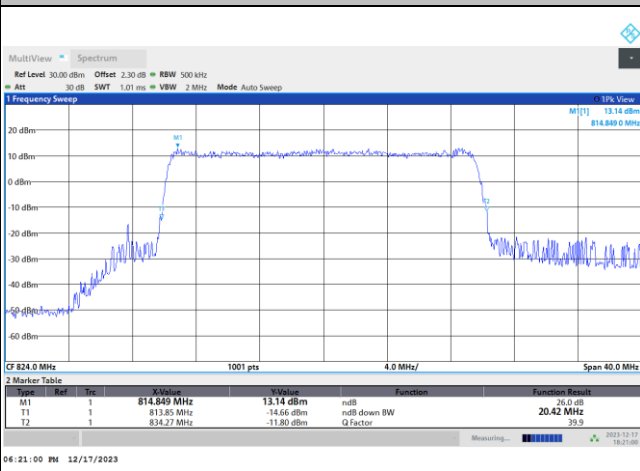
16QAM



64QAM



256QAM





### Occupied Bandwidth

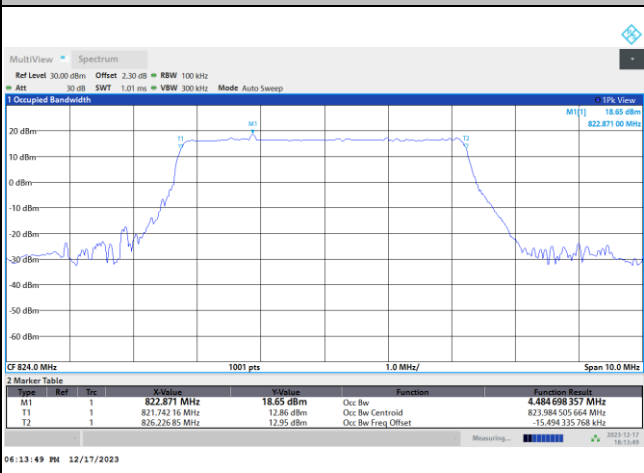
Mode	FR1 n26 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
824 MHz	4.48		8.96		13.46		17.94	
BW	25MHz		30MHz					
Mod.	PI/2 BPSK		PI/2 BPSK					
824 MHz	-	-	-	-				

Mode	FR1 n26 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
824 MHz	4.50	4.49	9.31	9.31	14.15	14.14	19.03	19.08
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
824 MHz	4.49	4.50	9.31	9.30	14.15	14.13	19.05	19.08
BW	25MHz		30MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
824 MHz	-	-	-	-				
Mod.	64QAM	256QAM	64QAM	256QAM				
824 MHz	-	-	-	-				



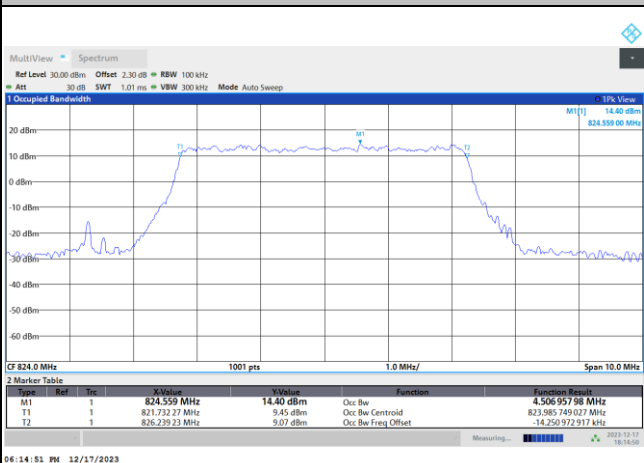
FR1 n26 / 5MHz / DFT-S OFDM / 824 MHz / Full RB

PI/2 BPSK

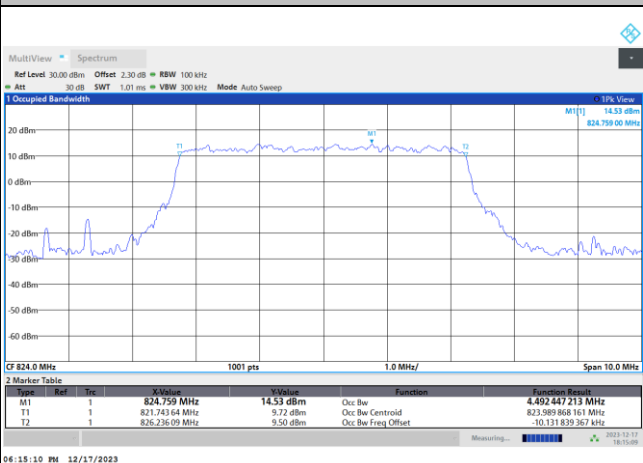


FR1 n26 / 5MHz / CP OFDM / 824 MHz / Full RB

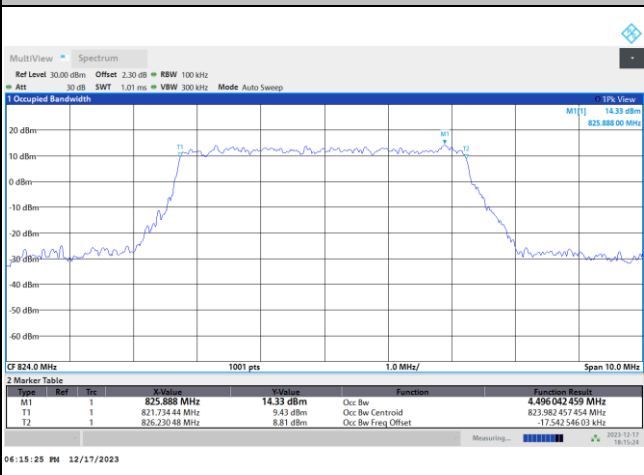
QPSK



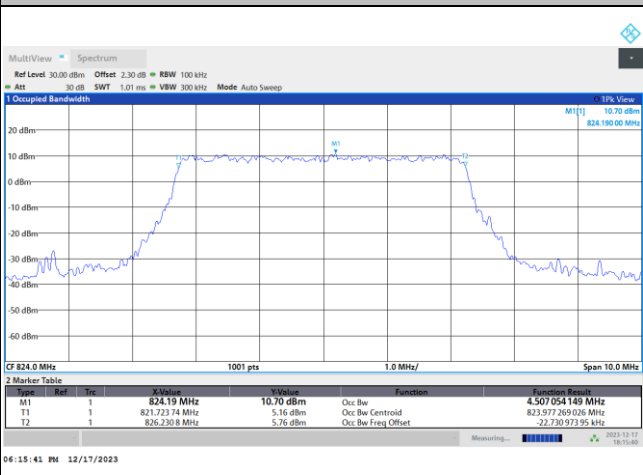
16QAM



64QAM



256QAM



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