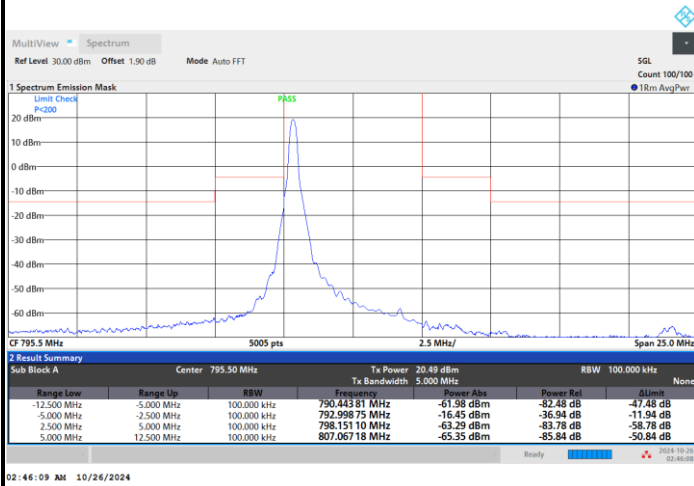




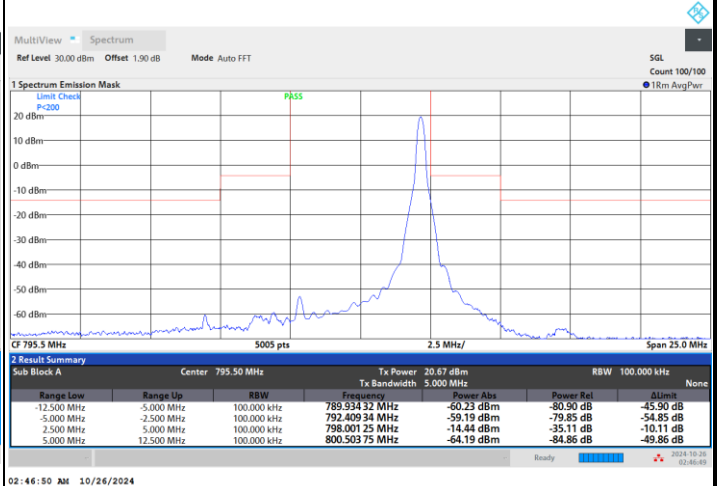
FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

Highest Channel

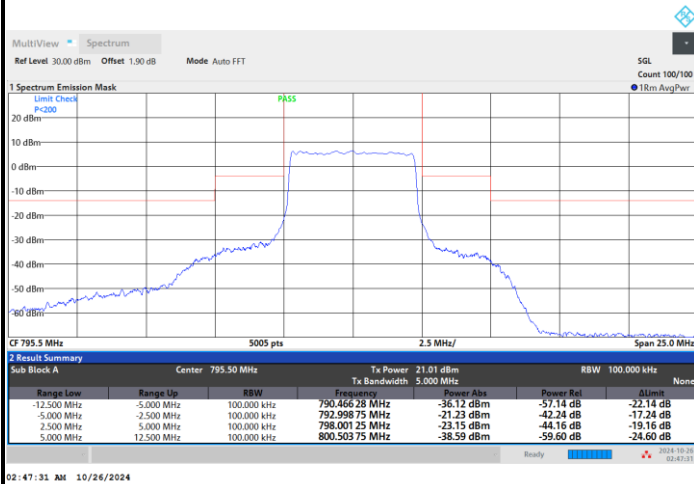
1RB0



1RBmax



Full RB

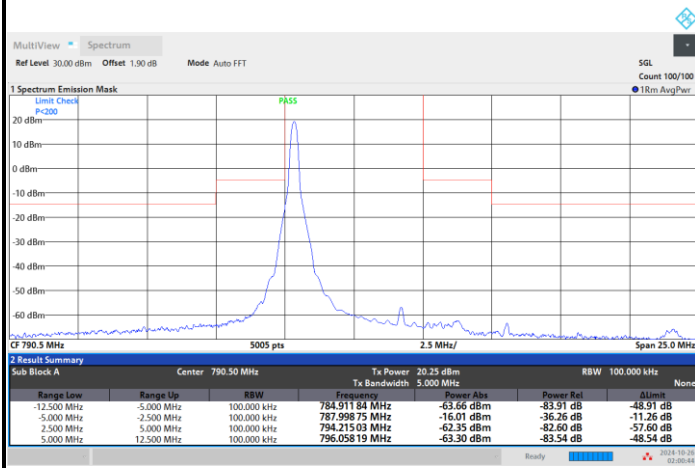




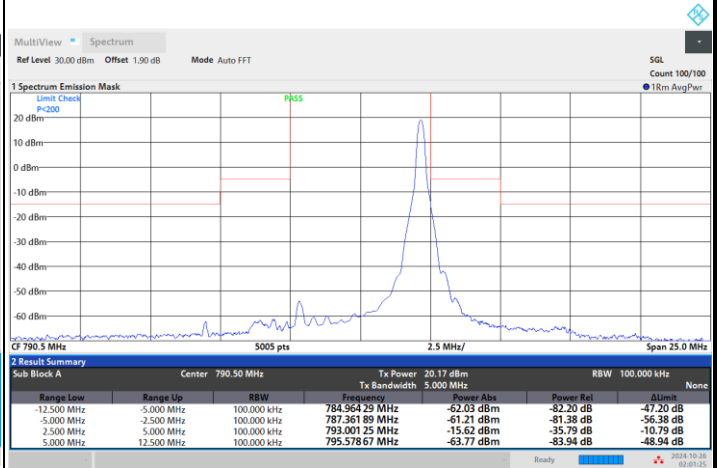
FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

Lowest Channel

1RB0



1RBmax



Full RB

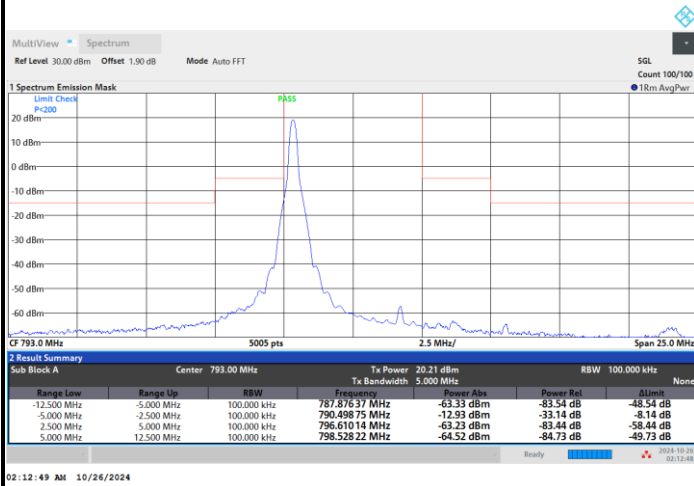




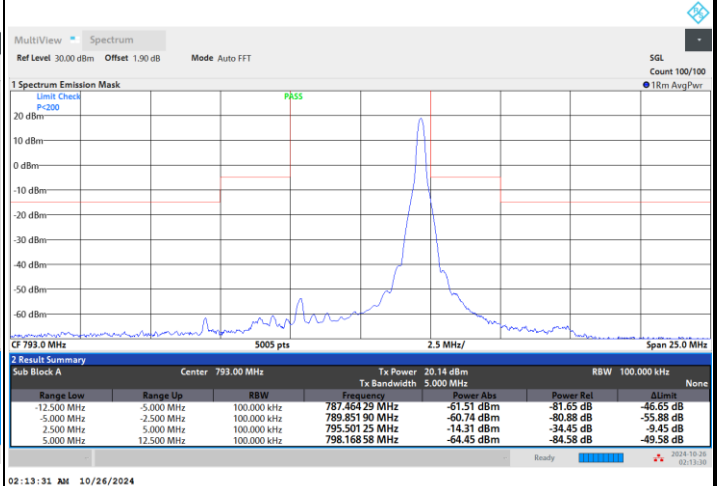
FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

Middle Channel

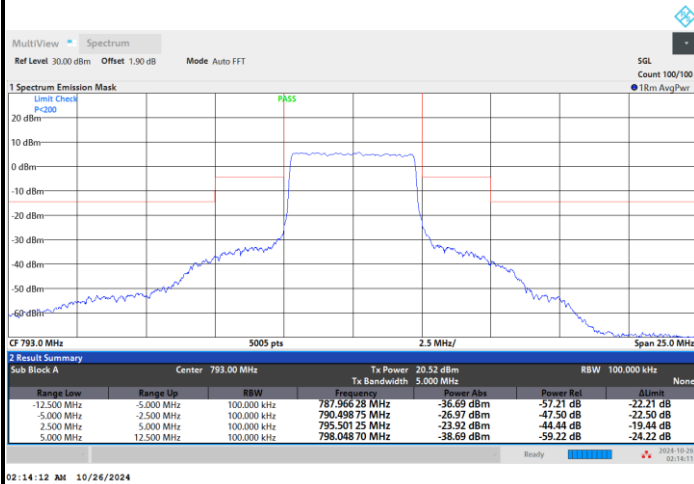
1RB0



1RBmax



Full RB

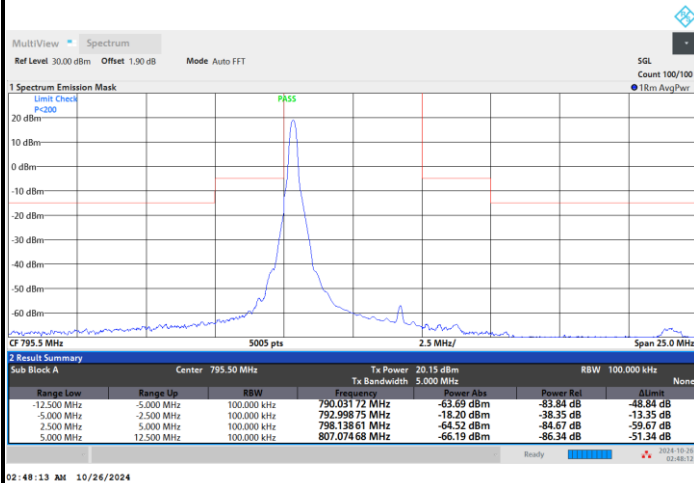




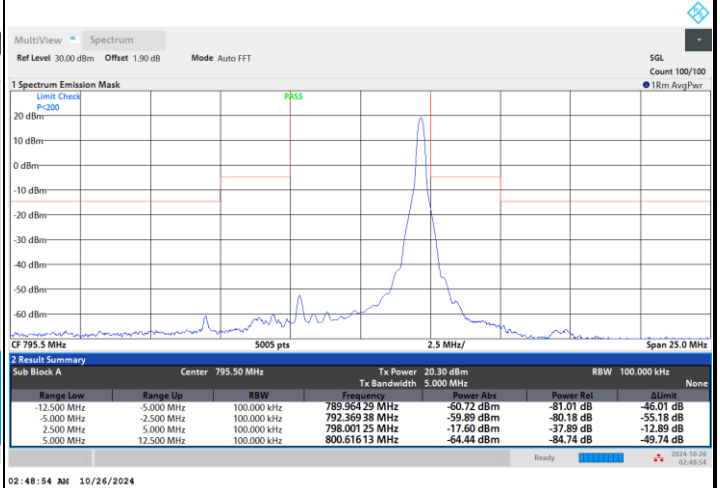
FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

Highest Channel

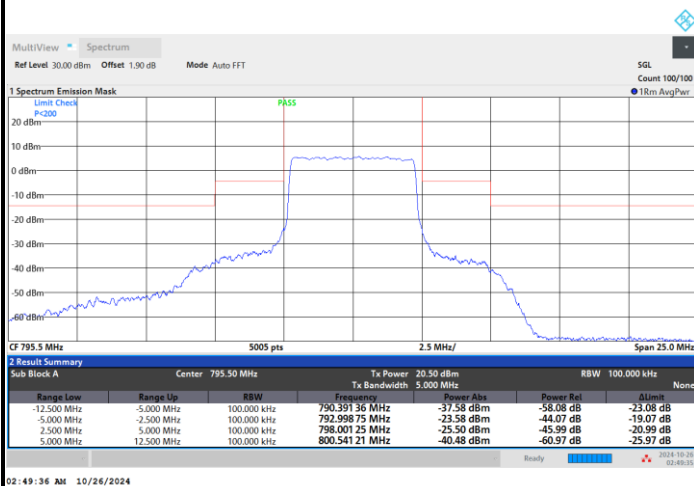
1RB0



1RBmax



Full RB

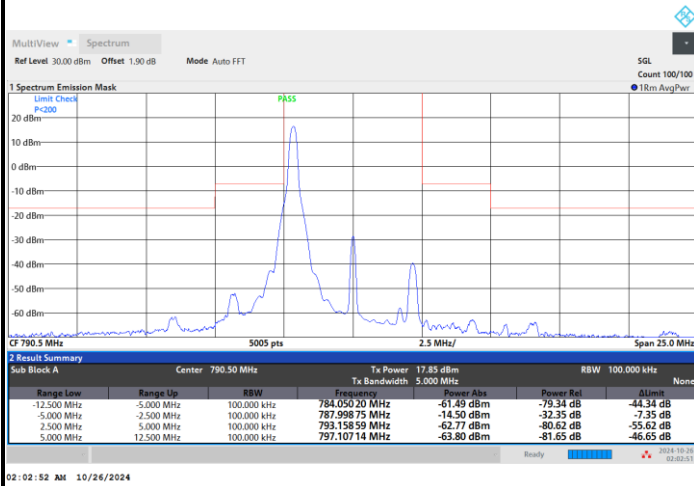




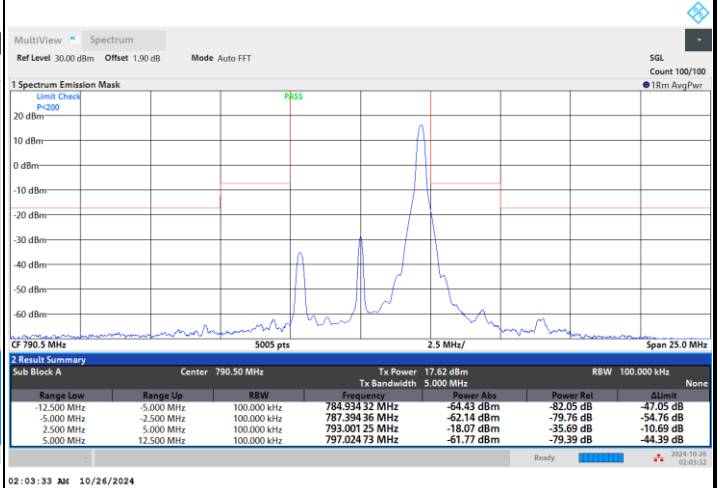
FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

Lowest Channel

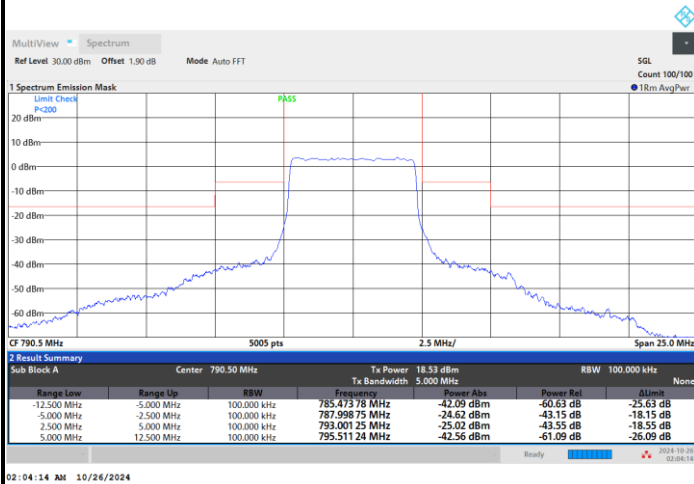
1RB0



1RBmax



Full RB

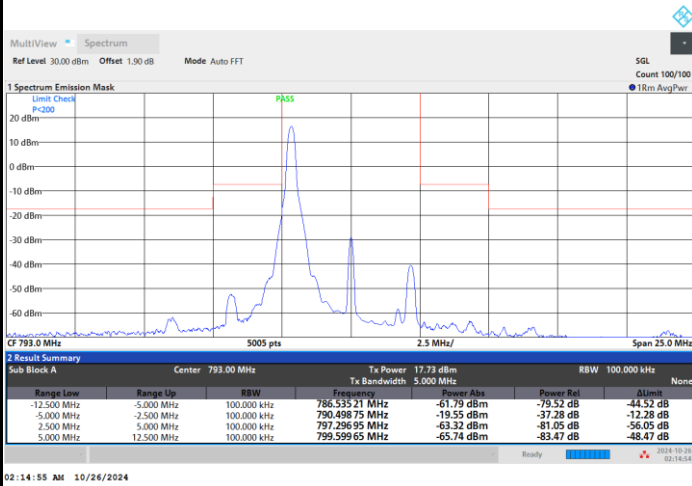




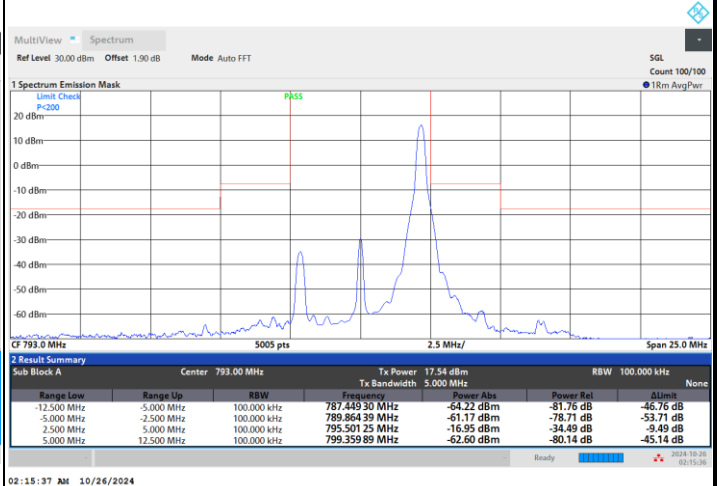
FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

Middle Channel

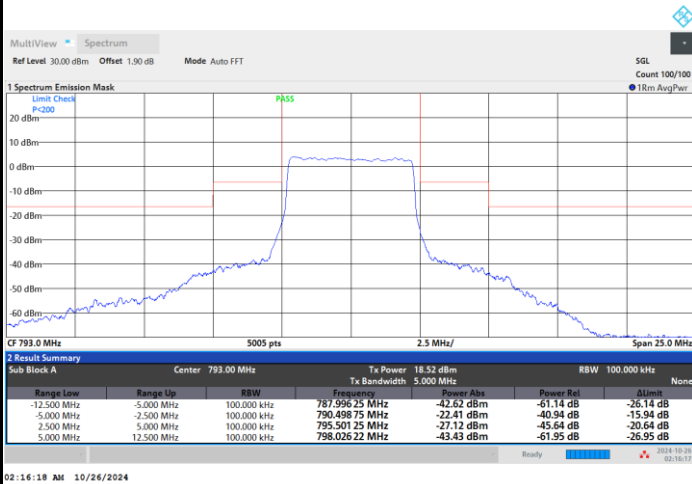
1RB0



1RBmax



Full RB

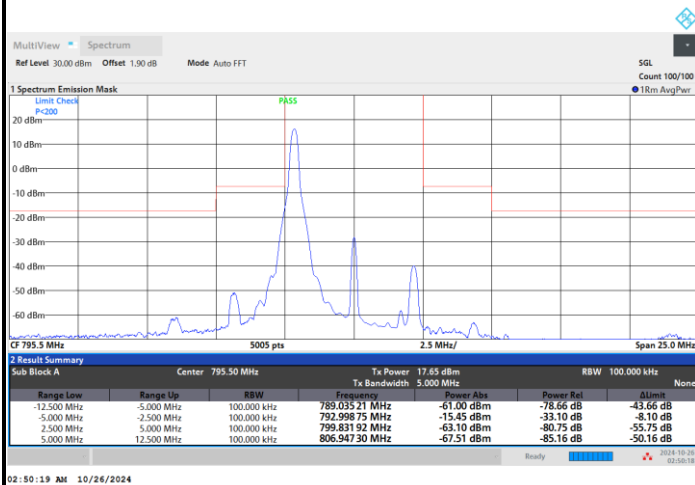




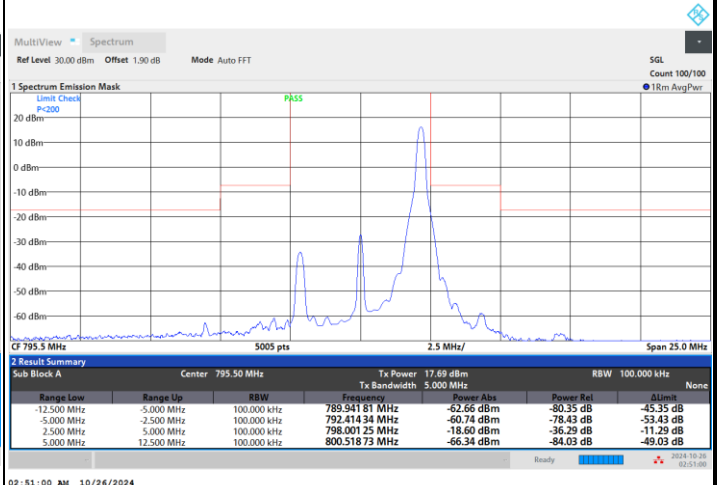
FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

Highest Channel

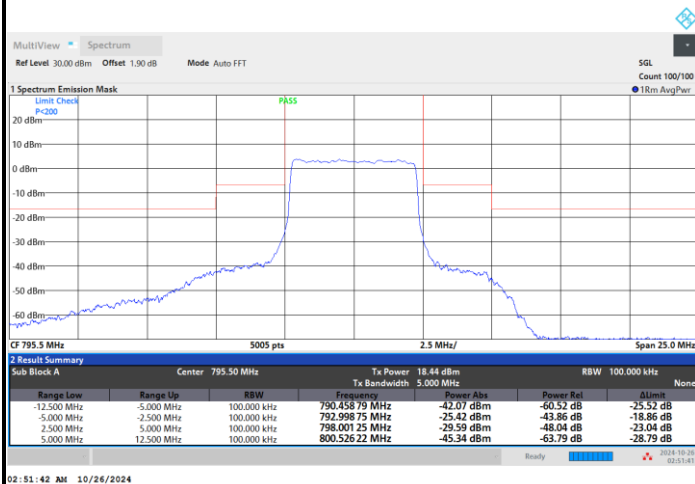
1RB0



1RBmax



Full RB

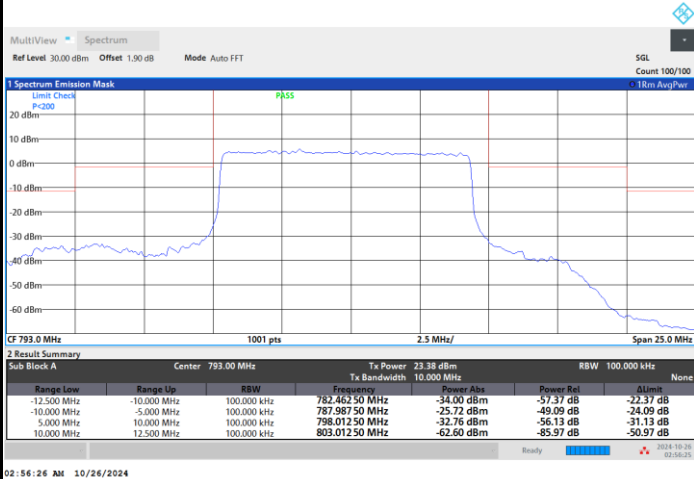




FR1 n14 / 10MHz / DFT-S OFDM / BPSK

Middle Channel

Full RB

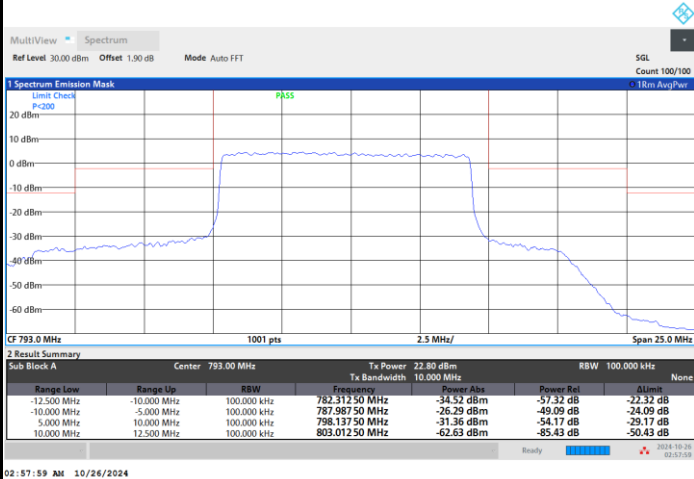




FR1 n14 / 10MHz / DFT-S OFDM / QPSK

Middle Channel

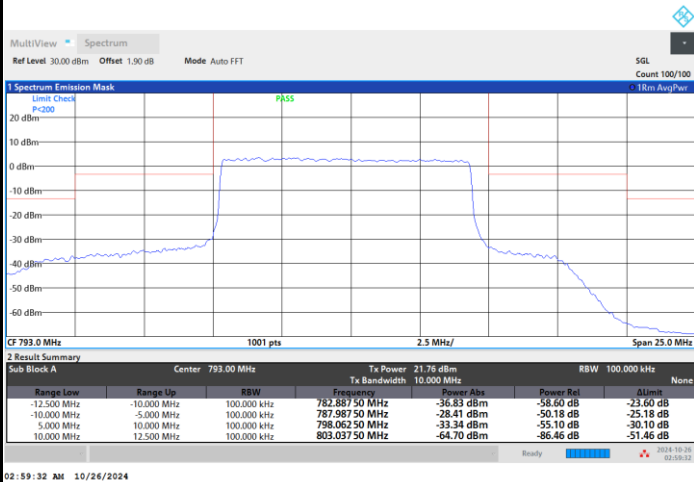
Full RB



FR1 n14 / 10MHz / DFT-S OFDM / 16QAM

Middle Channel

Full RB

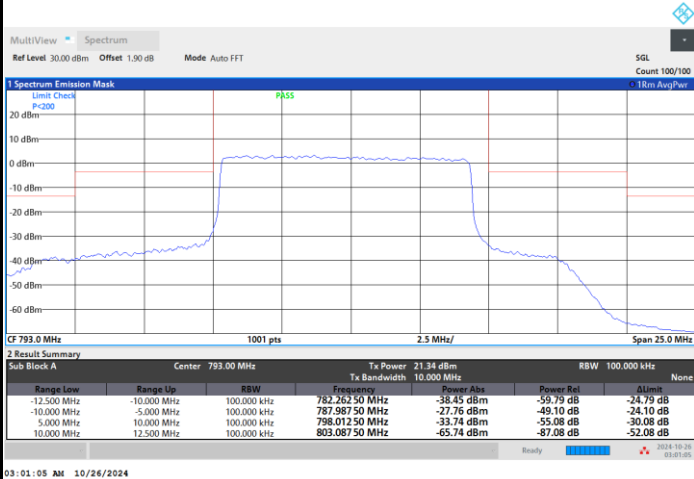




FR1 n14 / 10MHz / DFT-S OFDM / 64QAM

Middle Channel

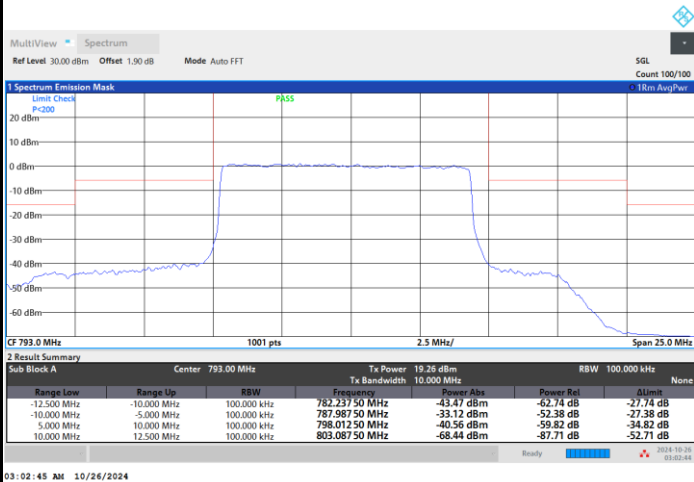
Full RB



FR1 n14 / 10MHz / DFT-S OFDM / 256QAM

Middle Channel

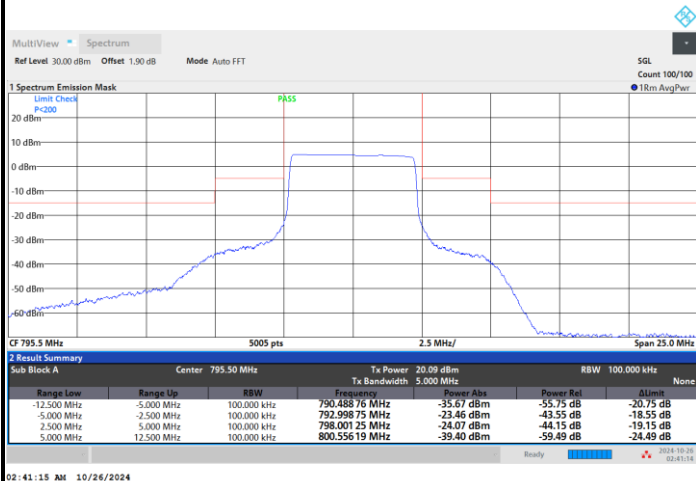
Full RB





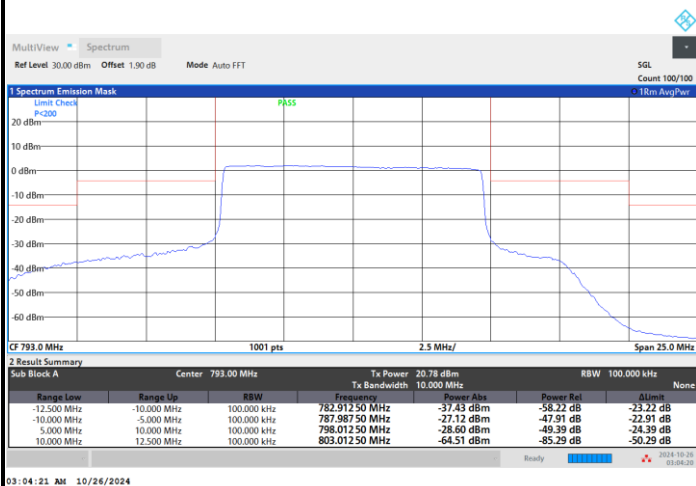
FR1 n14 / 5MHz / CP OFDM / QPSK / Full RB

Highest Channel



FR1 n14 / 10MHz / CP OFDM / QPSK / Full RB

Middle Channel

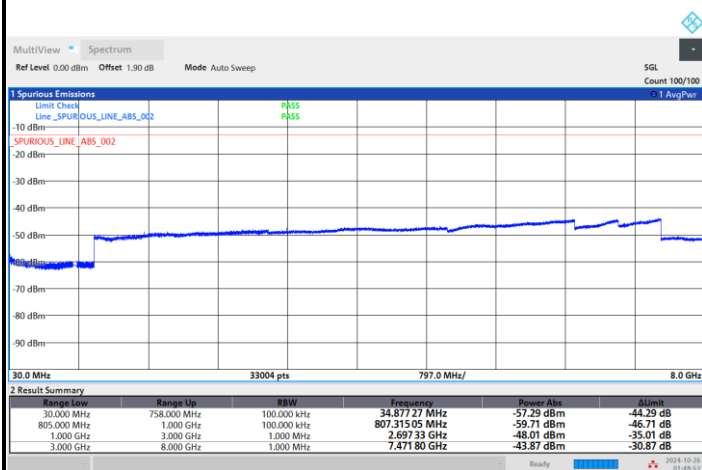




Conducted Spurious Emission

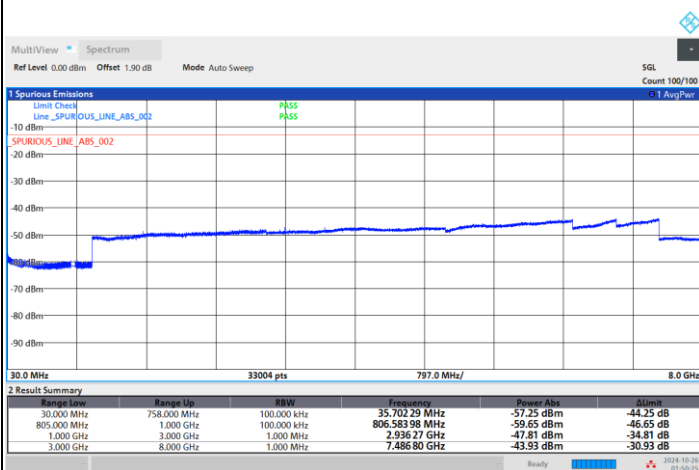
FR1 n14 / 5MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



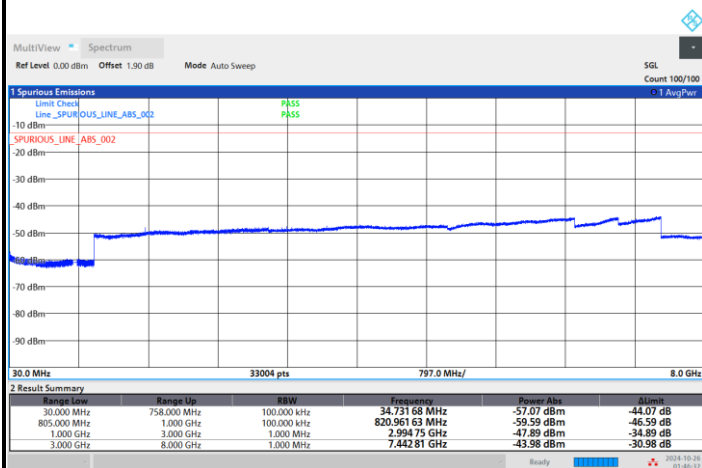
01:48:54 AM 10/26/2024

Middle Channel



01:50:25 AM 10/26/2024

Highest Channel



01:46:33 AM 10/26/2024

Frequency Stability

Test Conditions		FR1 n14 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0083	PASS
40	Normal Voltage	0.0117	
30	Normal Voltage	0.0105	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0088	
0	Normal Voltage	0.0116	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0076	
-30	Normal Voltage	0.0131	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0023	
20	Minimum Voltage	0.0010	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 3.465 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

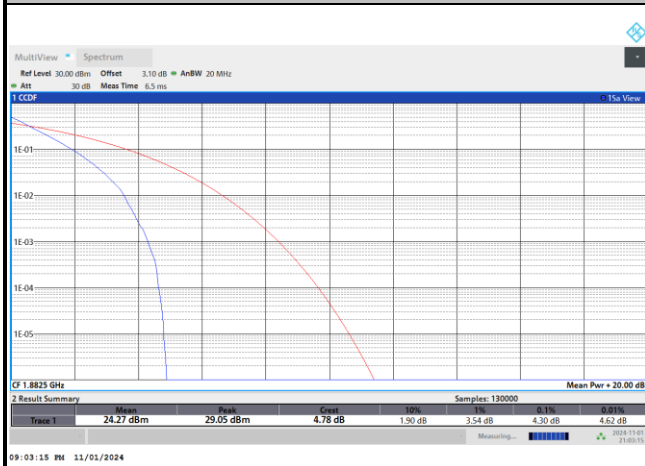
**FR1 n25****Peak-to-Average Ratio**

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	4.30	4.88	5.70	6.12	PASS
Mode	FR1 n25 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.80				PASS

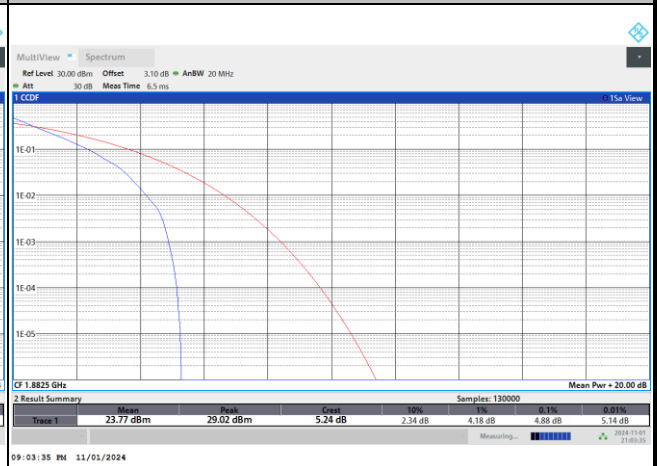


FR1 n25 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

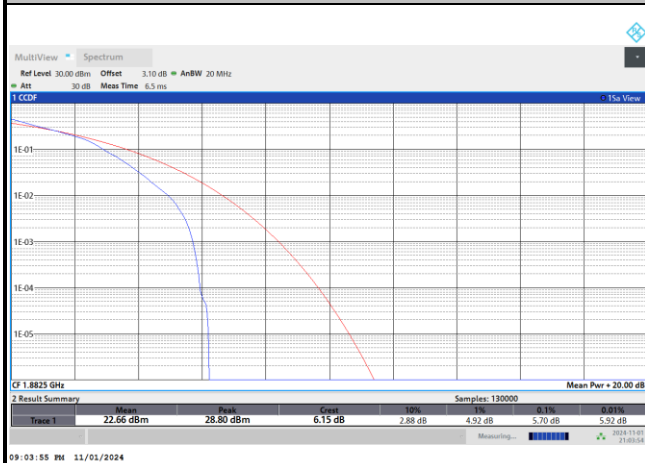
PI/2 BPSK



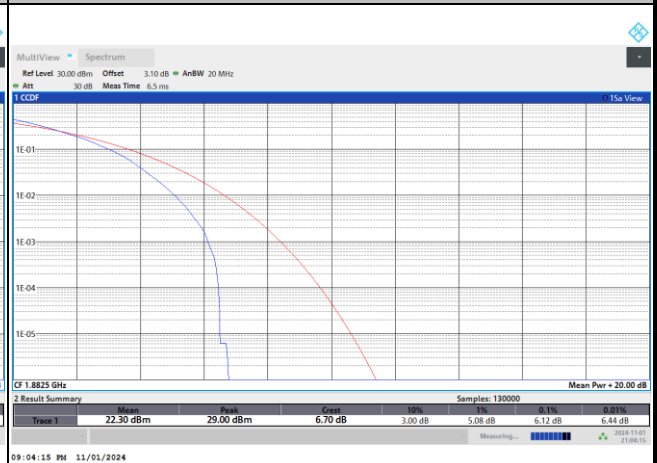
QPSK



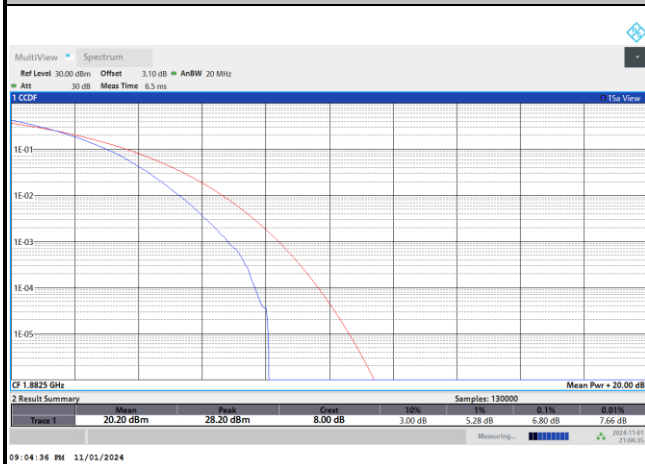
16QAM



64QAM



256QAM



**26dB Bandwidth**

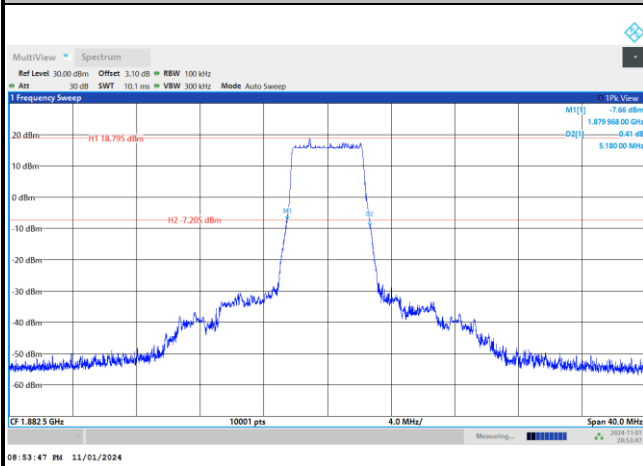
Mode	FR1 n25 : 26dB BW(MHz) / DFT-S OFDM			
BW	5MHz	10MHz	15MHz	20MHz
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK
Middle CH	5.17	9.75	14.60	19.32

Mode	FR1 n25 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.21	5.32	10.35	10.30	15.36	15.38	20.41	20.50
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.22	5.31	10.28	10.28	15.34	15.33	20.39	20.53



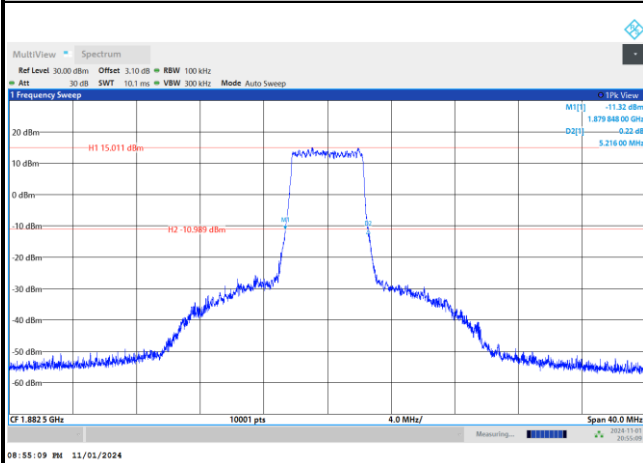
FR1 n25 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

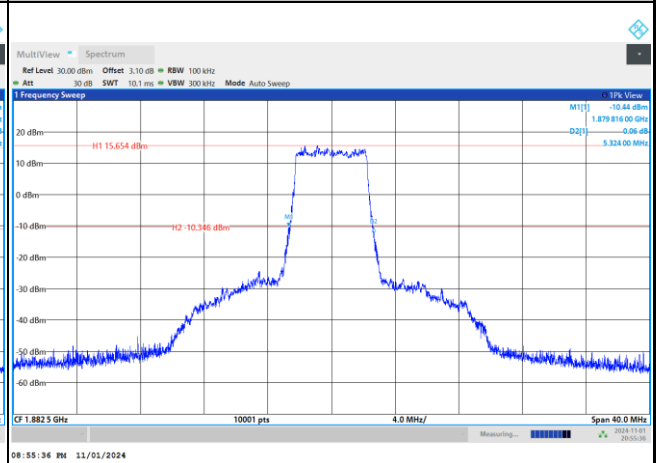


FR1 n25 / 5MHz / CP OFDM / Middle Channel / Full RB

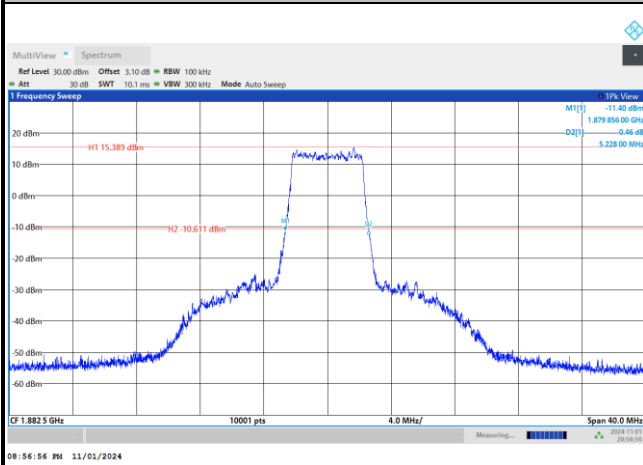
QPSK



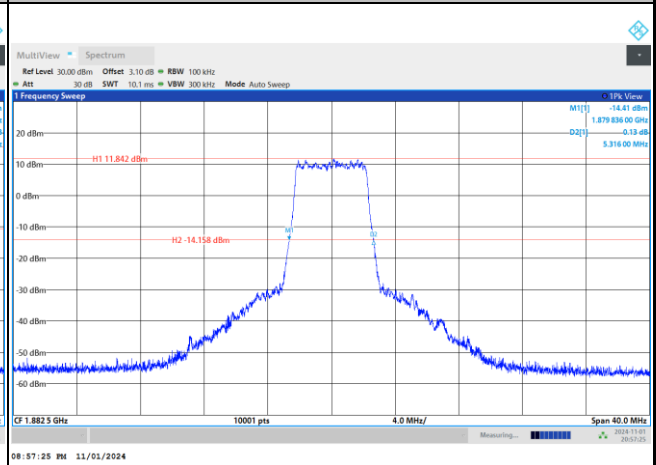
16QAM



64QAM



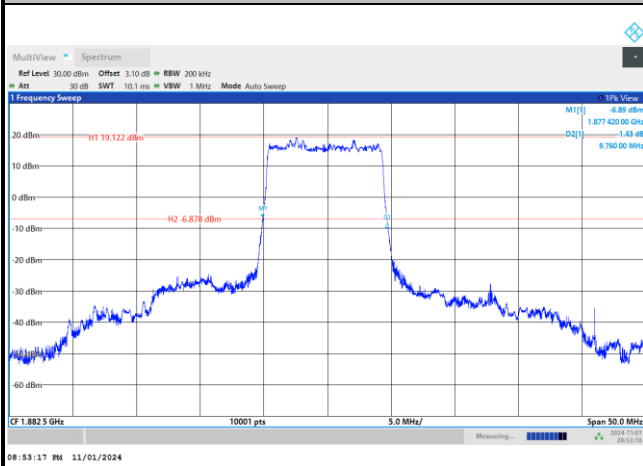
256QAM





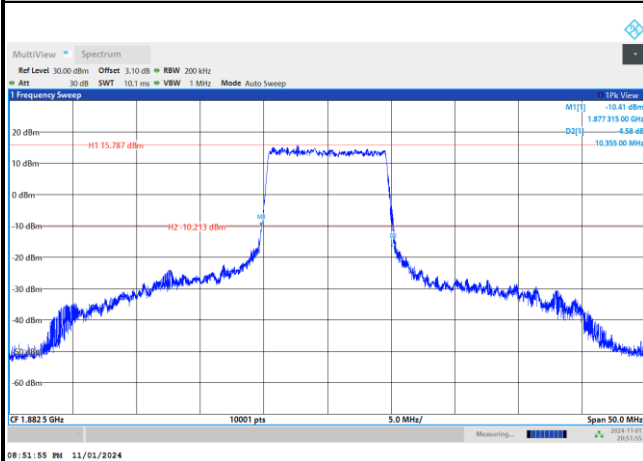
FR1 n25 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

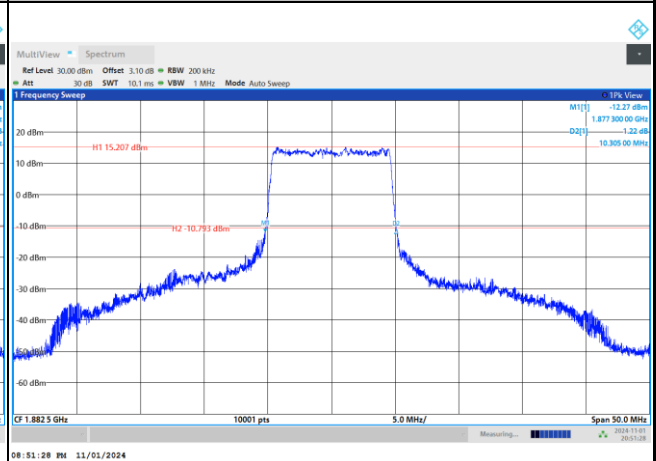


FR1 n25 / 10MHz / CP OFDM / Middle Channel / Full RB

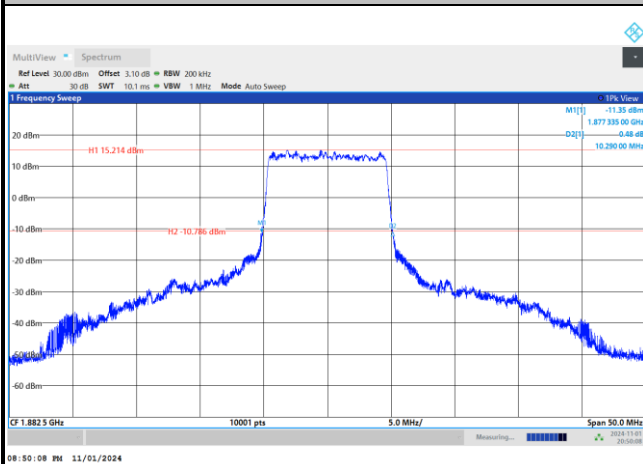
QPSK



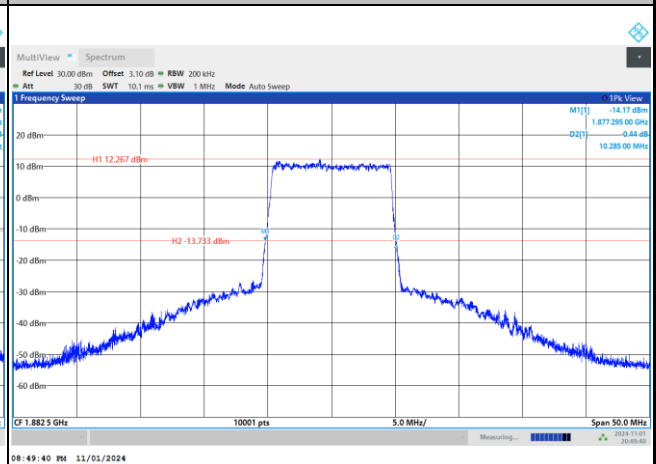
16QAM



64QAM



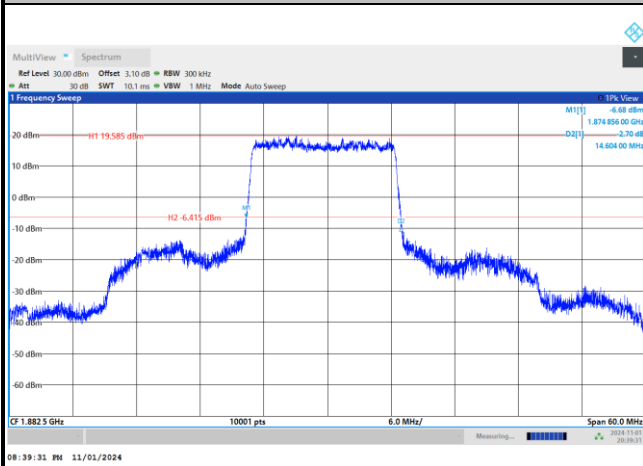
256QAM





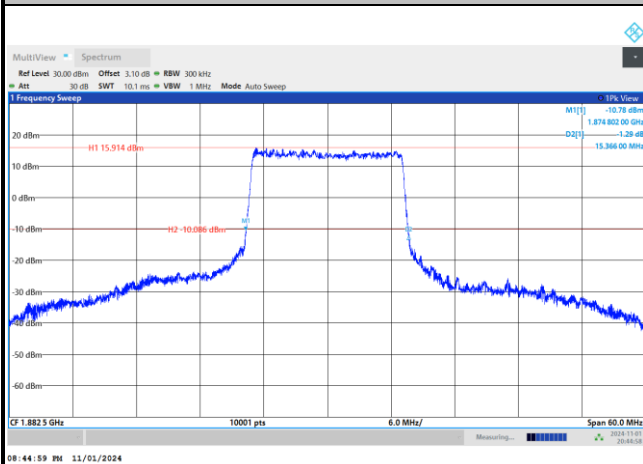
FR1 n25 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

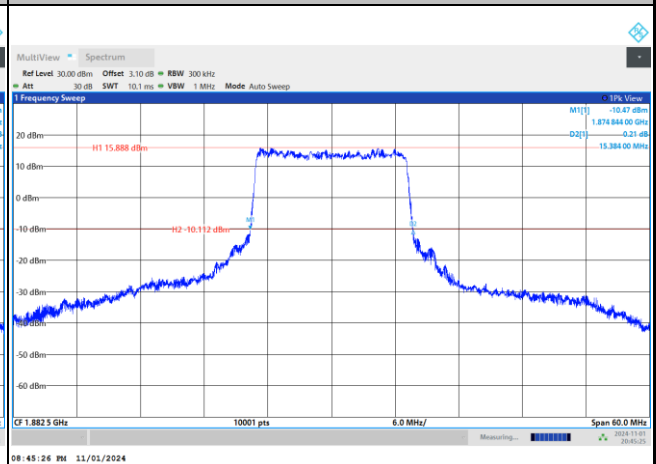


FR1 n25 / 15MHz / CP OFDM / Middle Channel / Full RB

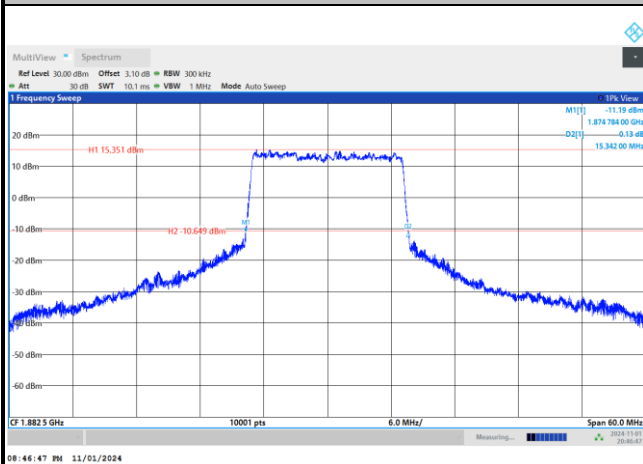
QPSK



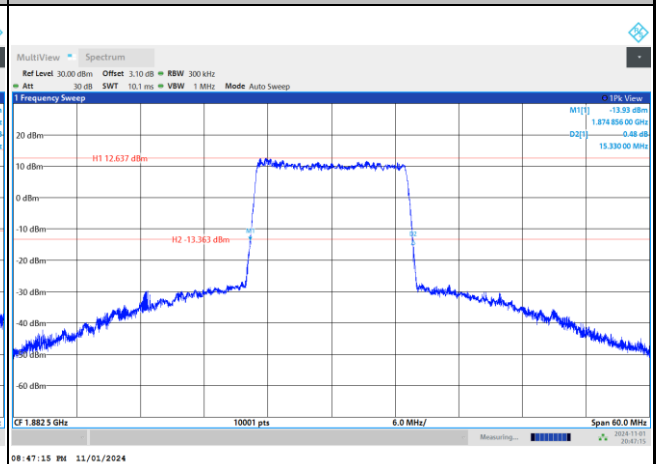
16QAM



64QAM



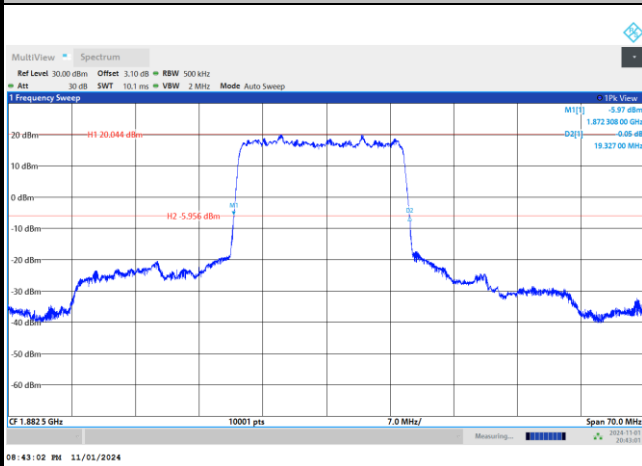
256QAM





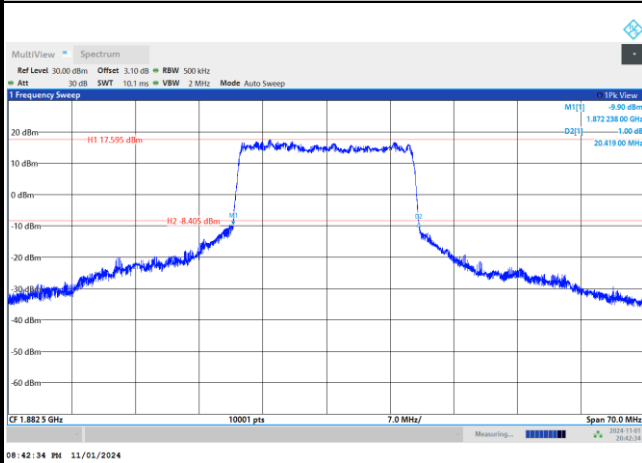
FR1 n25 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

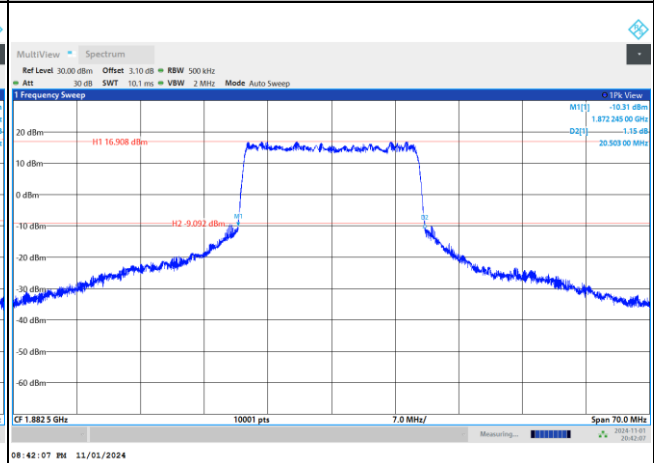


FR1 n25 / 20MHz / CP OFDM / Middle Channel / Full RB

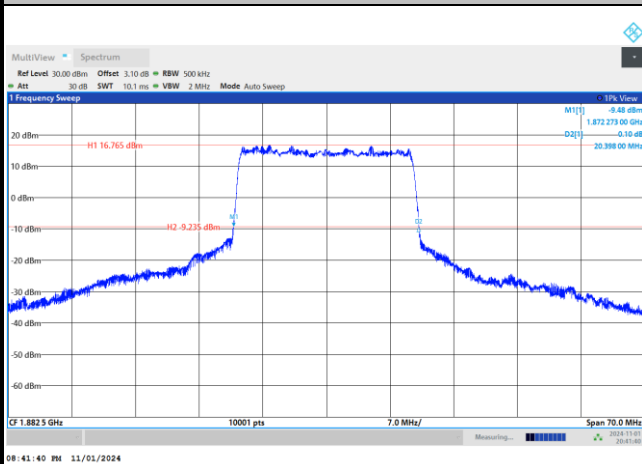
QPSK



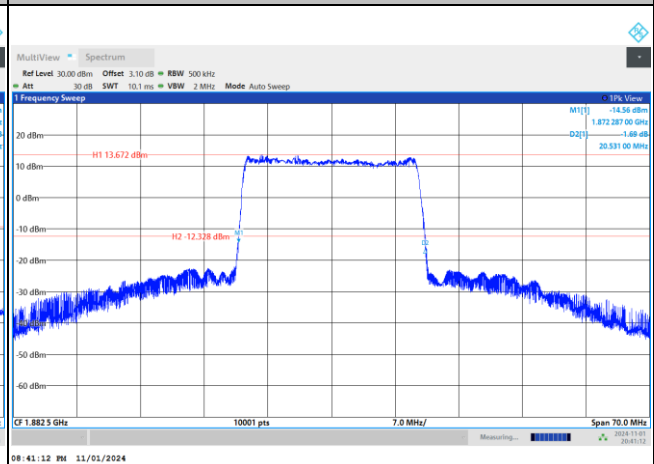
16QAM



64QAM



256QAM



**Occupied Bandwidth**

Mode	FR1 n25 : 99%OBW(MHz) / DFT-S OFDM			
BW	5MHz	10MHz	15MHz	20MHz
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK
Middle CH	4.49	8.98	13.46	18.01

Mode	FR1 n25 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.51	4.52	9.34	9.36	14.17	14.20	19.10	19.10
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.52	4.52	9.32	9.34	14.21	14.20	19.06	19.12



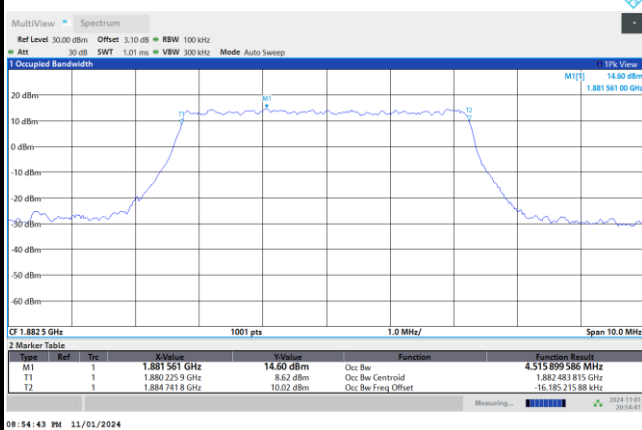
FR1 n25 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

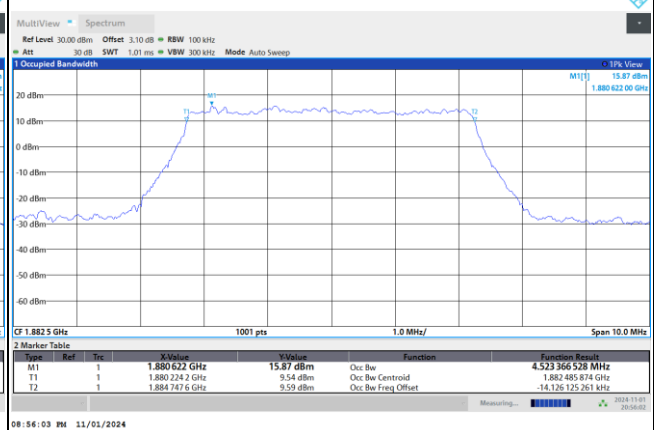


FR1 n25 / 5MHz / CP OFDM / Middle Channel / Full RB

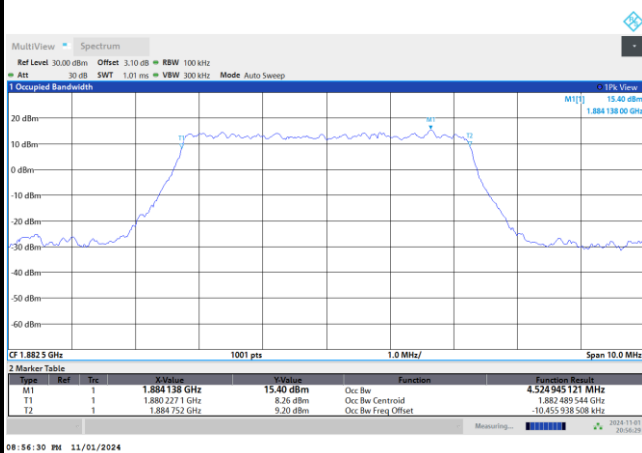
QPSK



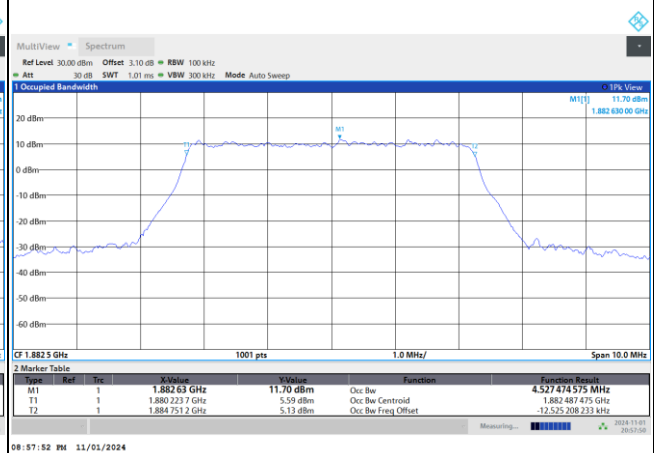
16QAM



64QAM



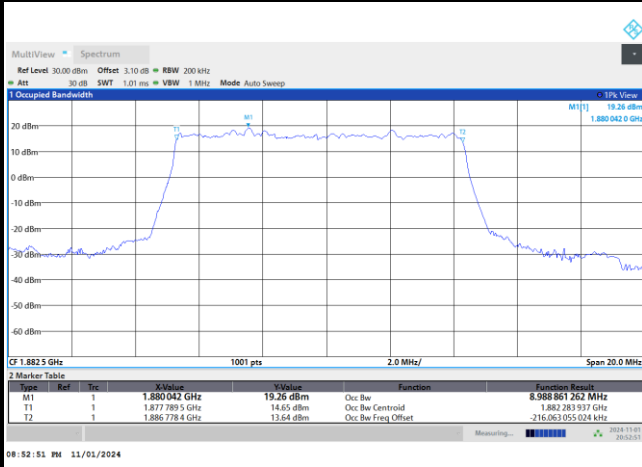
256QAM





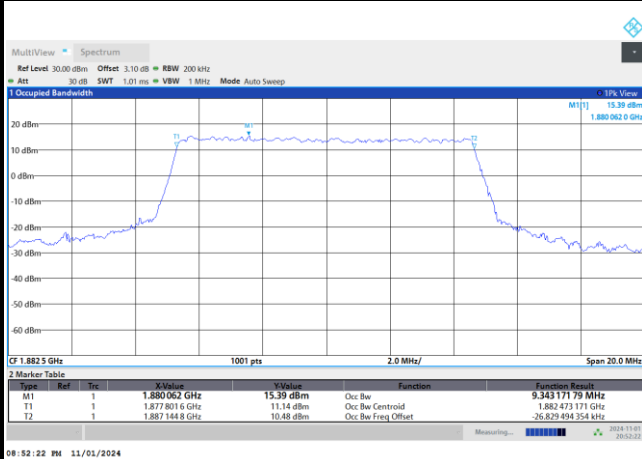
FR1 n25 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

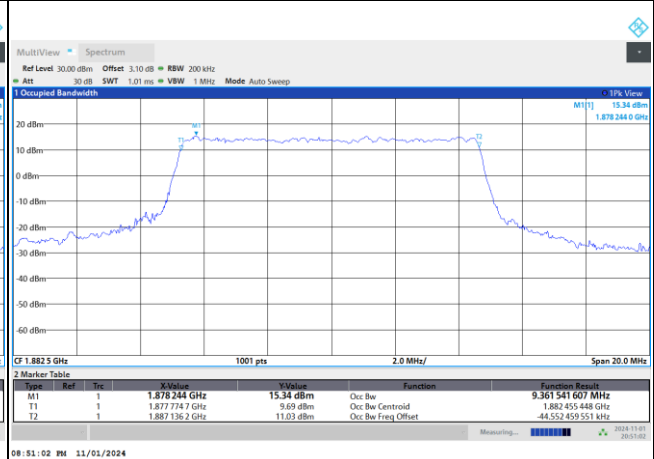


FR1 n25 / 10MHz / CP OFDM / Middle Channel / Full RB

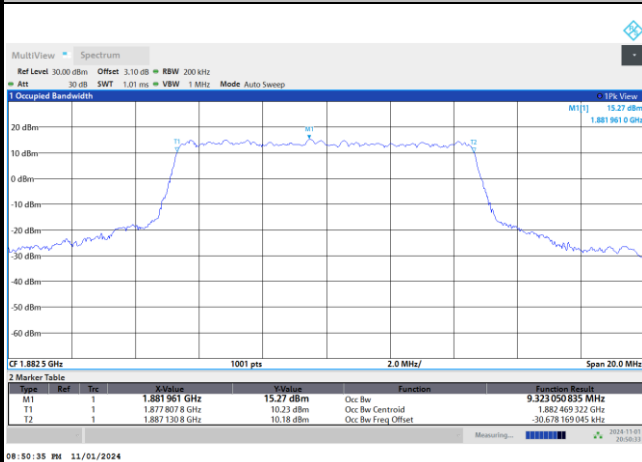
QPSK



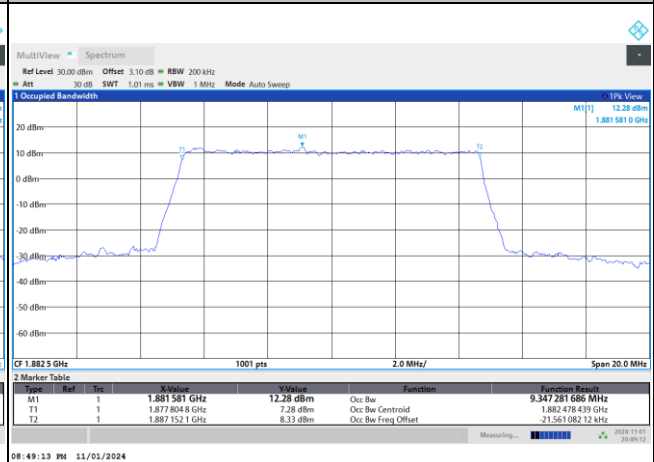
16QAM



64QAM



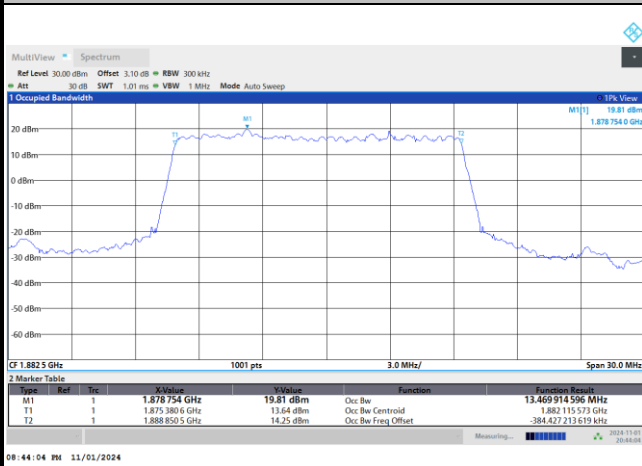
256QAM





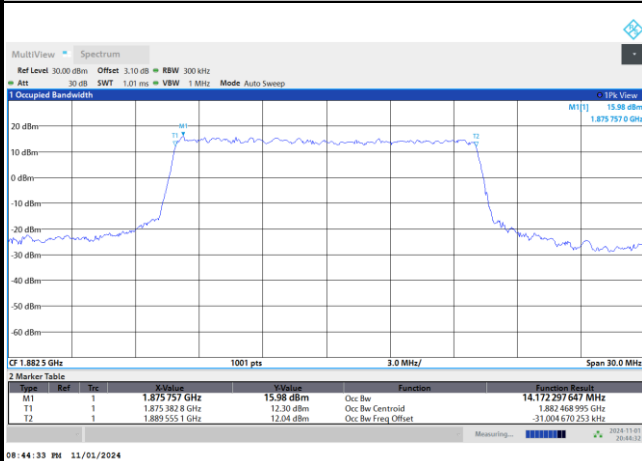
FR1 n25 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

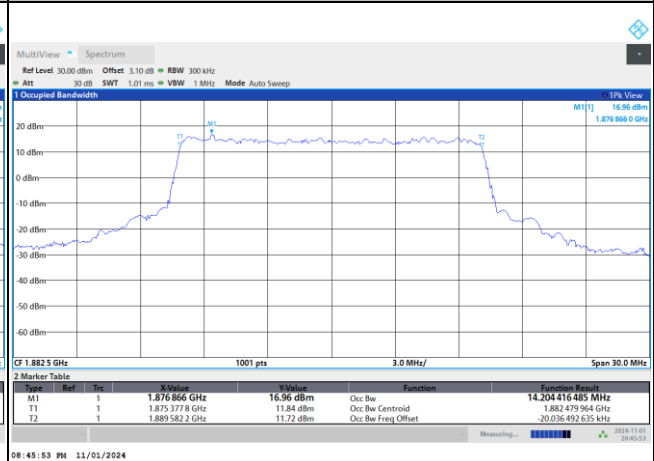


FR1 n25 / 15MHz / CP OFDM / Middle Channel / Full RB

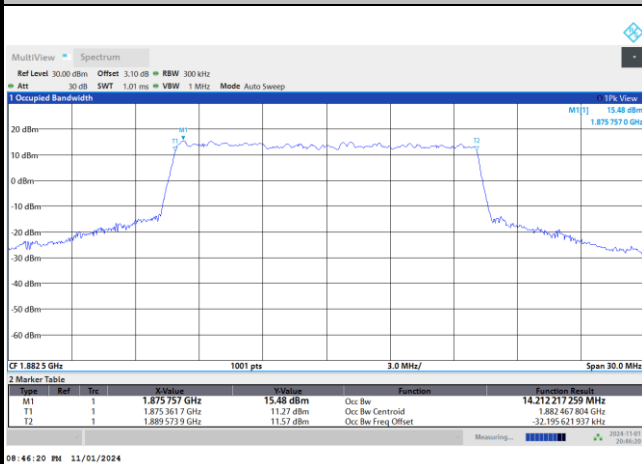
QPSK



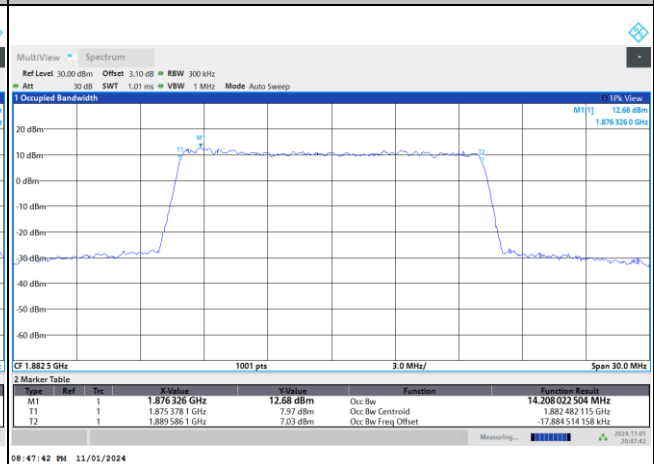
16QAM



64QAM



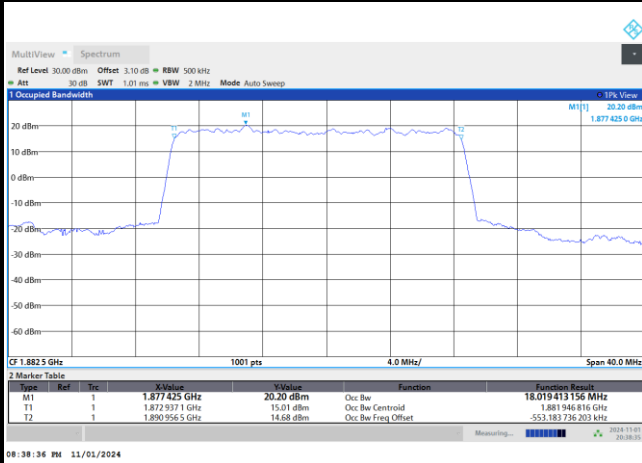
256QAM





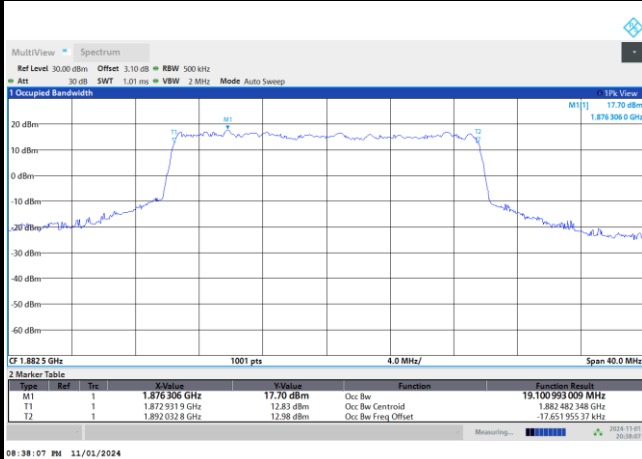
FR1 n25 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

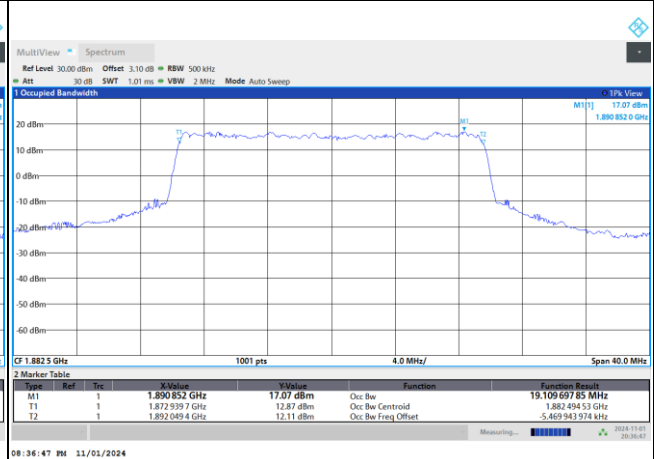


FR1 n25 / 20MHz / CP OFDM / Middle Channel / Full RB

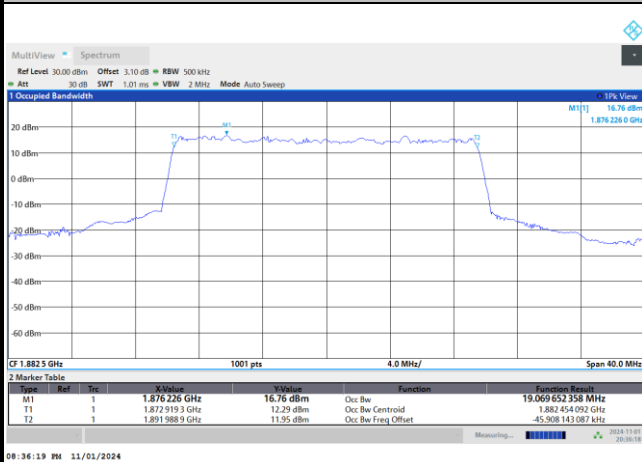
QPSK



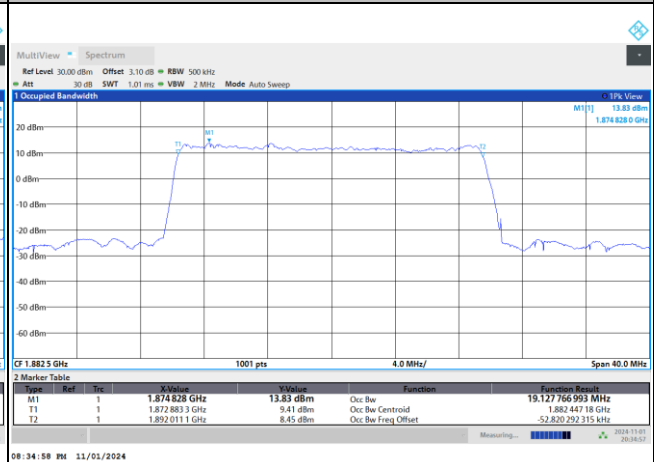
16QAM



64QAM



256QAM



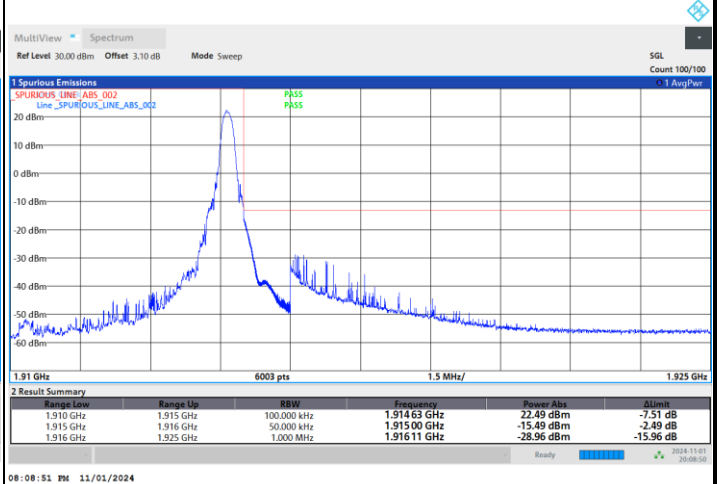
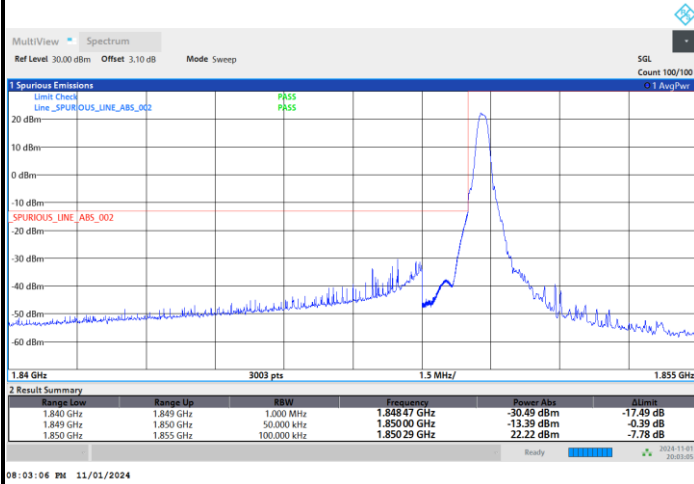


Conducted Band Edge

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

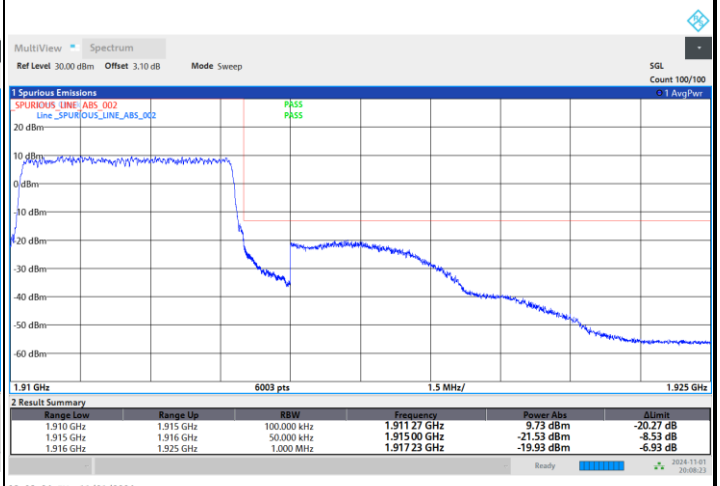
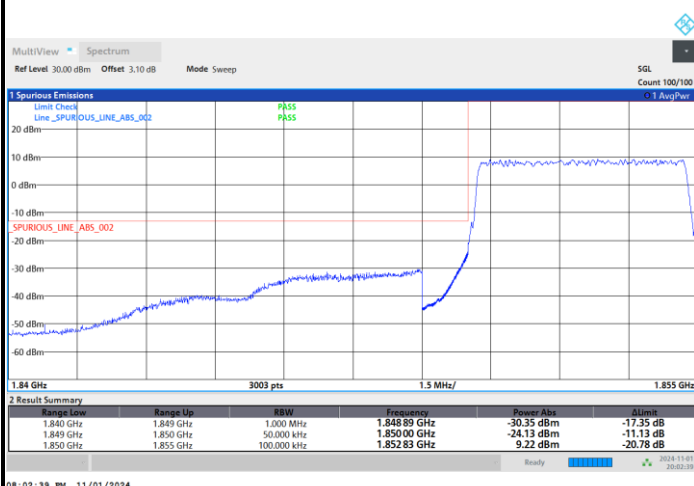
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

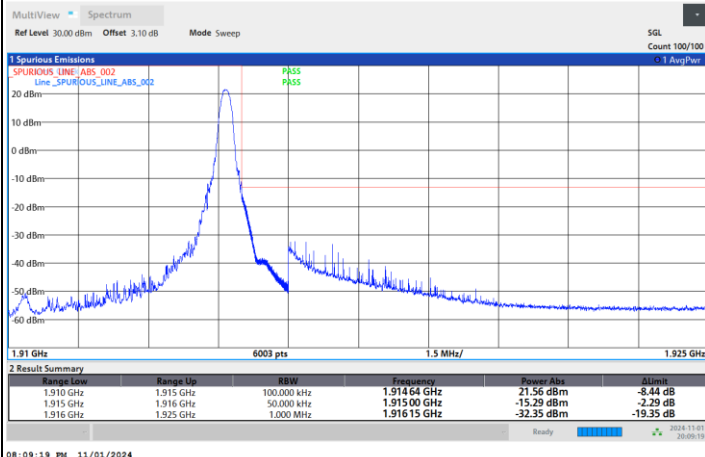
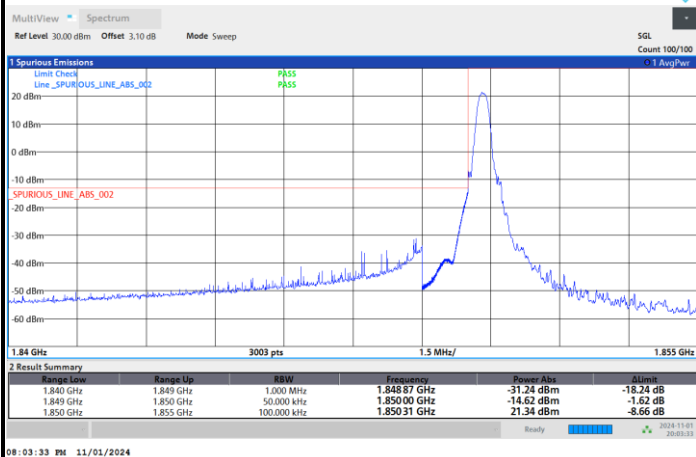




FR1 n25 / 5MHz / DFT-S OFDM / QPSK

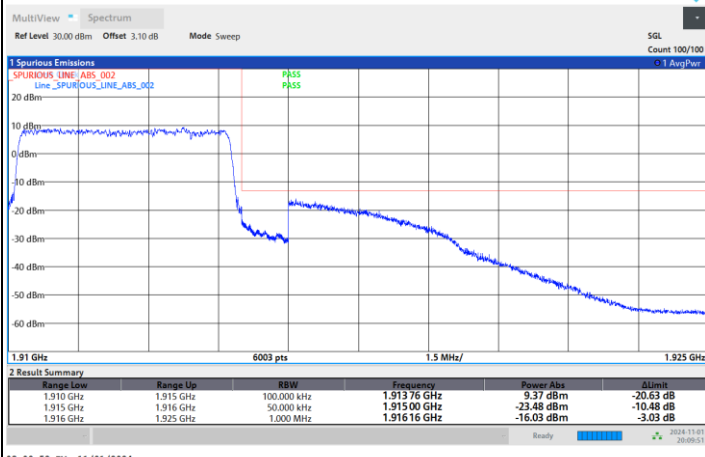
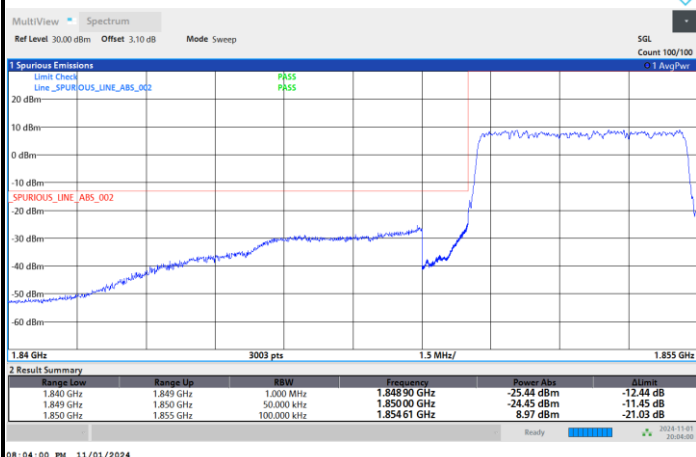
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

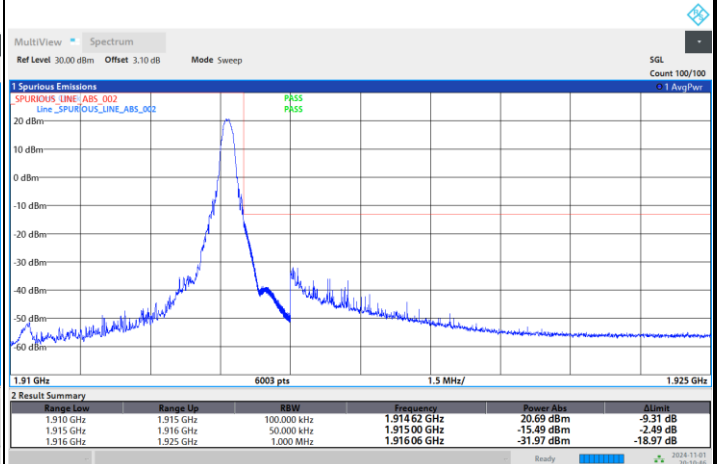
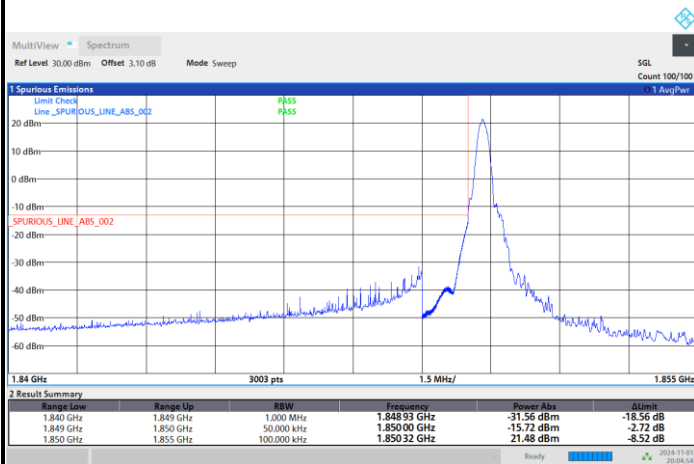




FR1 n25 / 5MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

