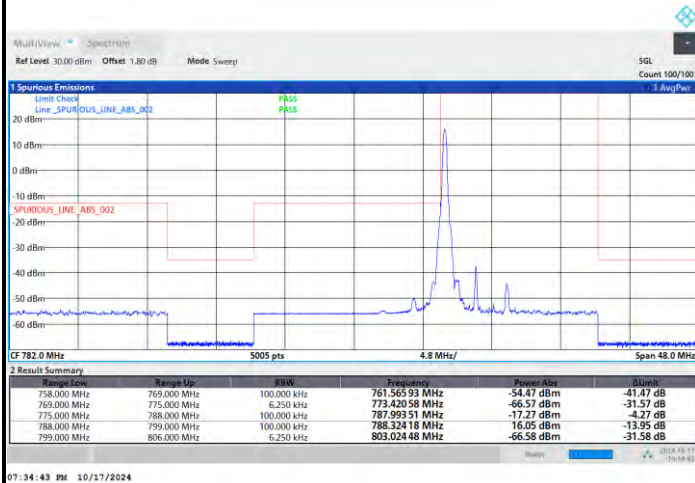


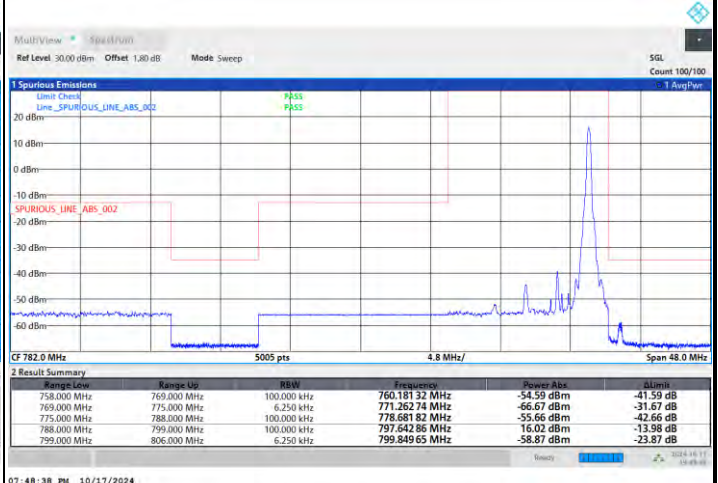


FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

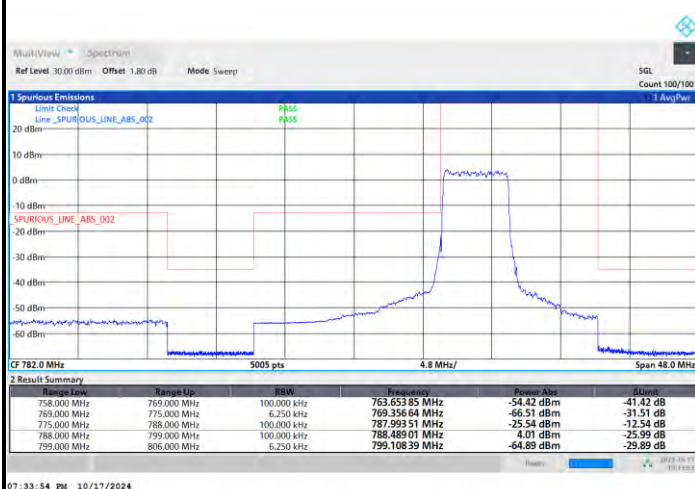
Lowest Band Edge / 1RB0



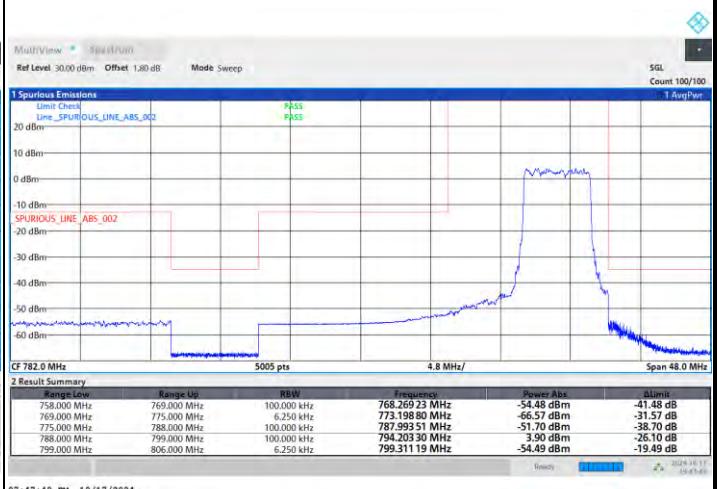
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



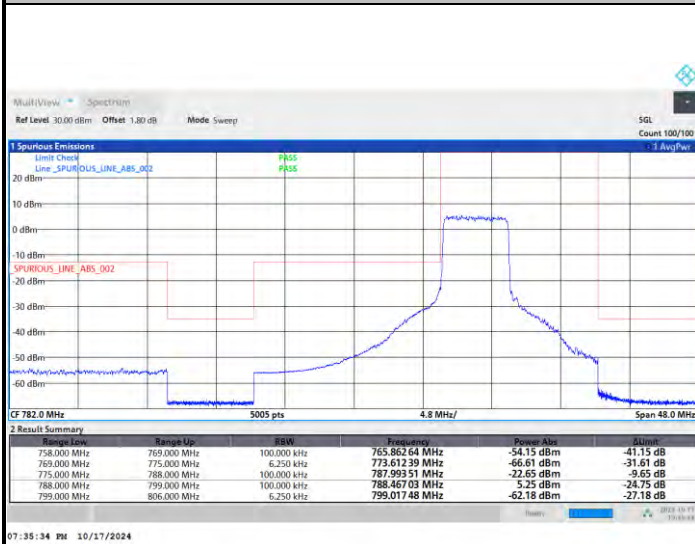
Highest Band Edge / Full RB



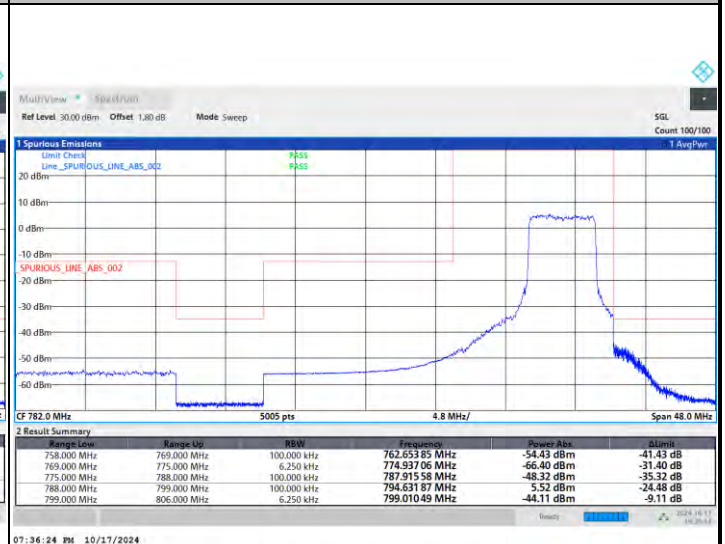


FR1 n14 / 5MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



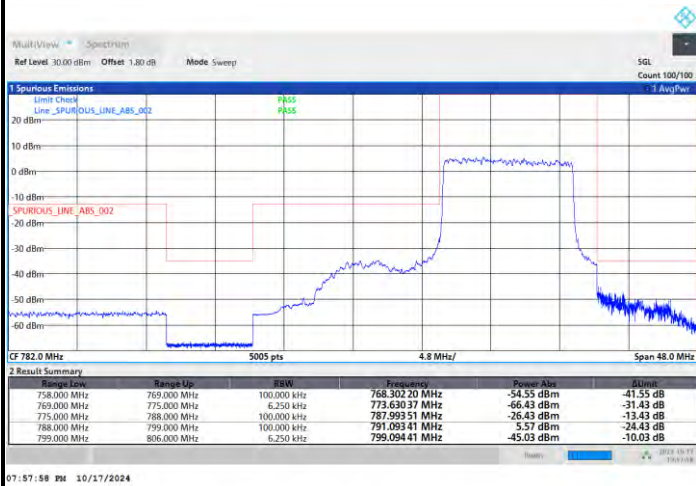
Highest Band Edge





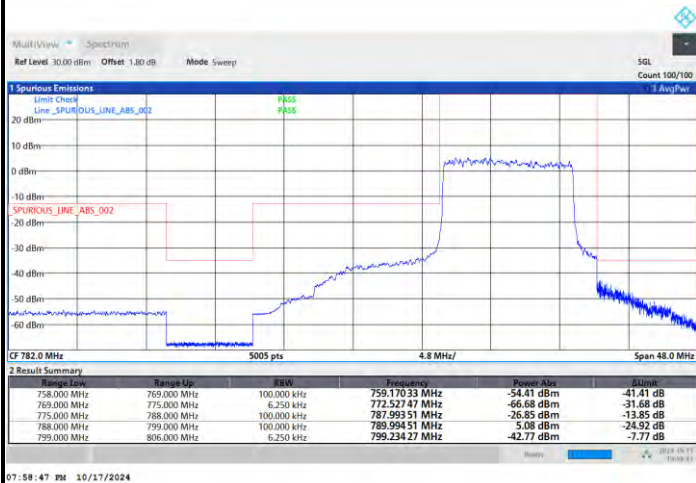
FR1 n14 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Middle Band Edge / Full RB



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

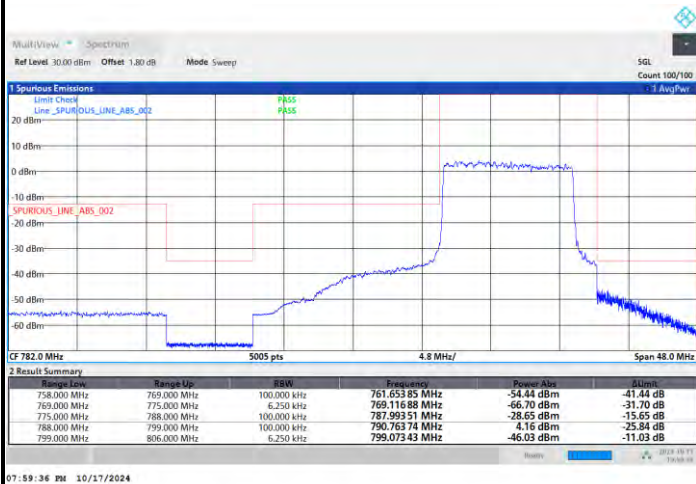
Middle Band Edge / Full RB





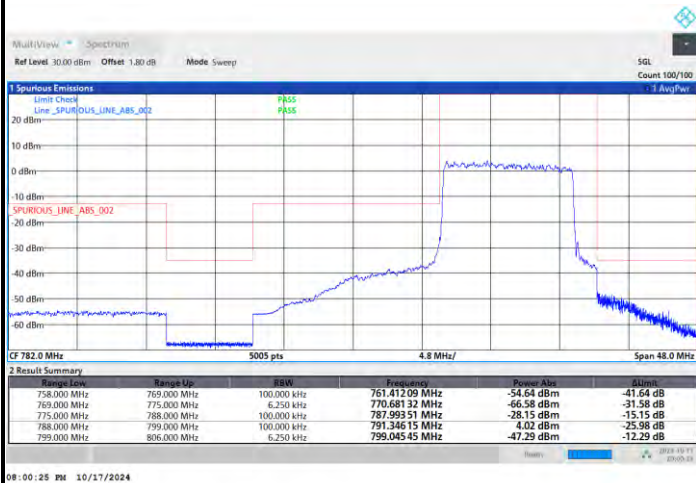
FR1 n14 / 10MHz / DFT-s-OFDM / 16QAM

Middle Band Edge / Full RB



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

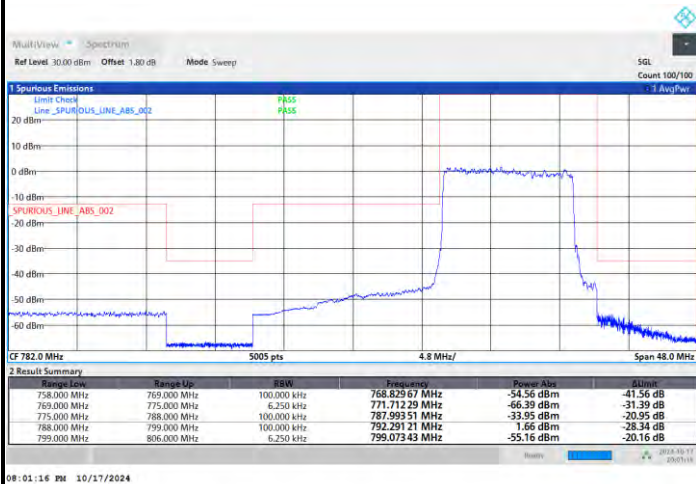
Middle Band Edge / Full RB





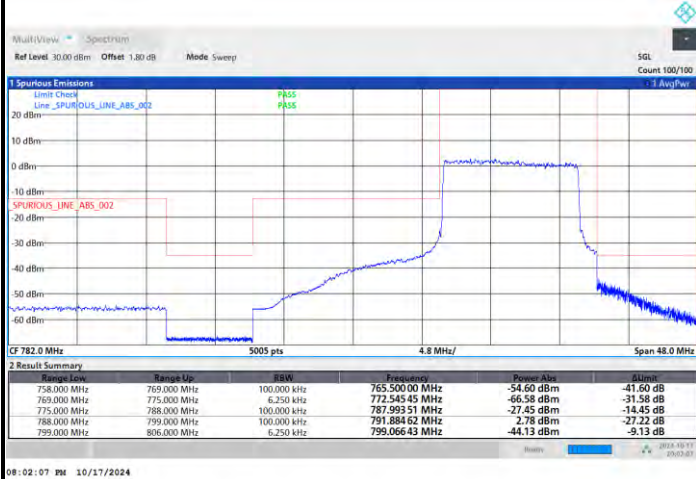
FR1 n14 / 10MHz / DFT-s-OFDM / 256QAM

Middle Band Edge / Full RB



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

Middle Band Edge / Full RB

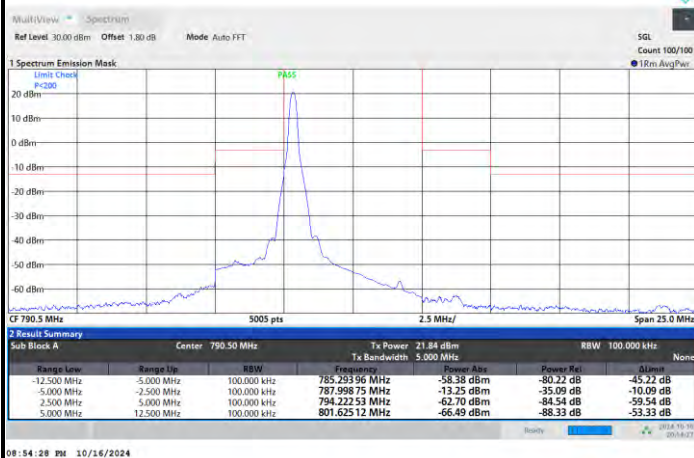


**Unwanted Emission (MASK)**

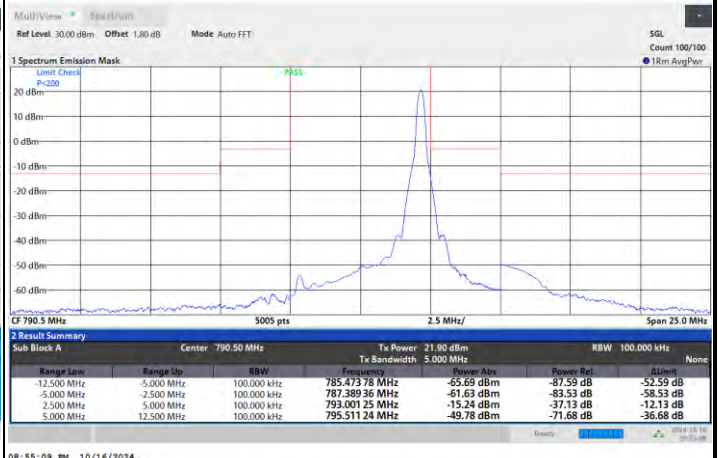
FR1 n14 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Channel

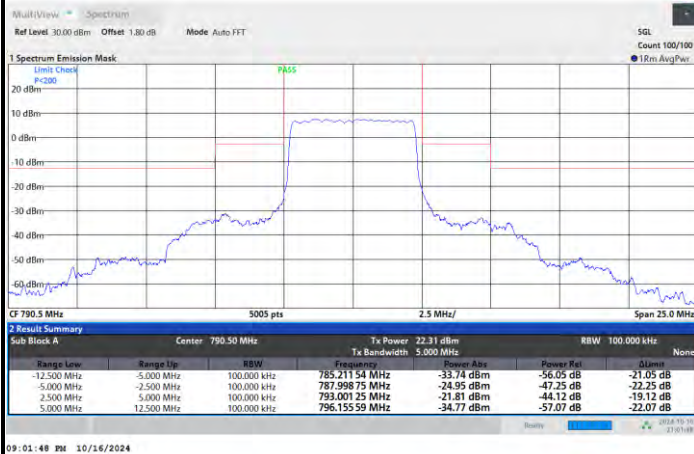
1RB0



1RBmax



Full RB

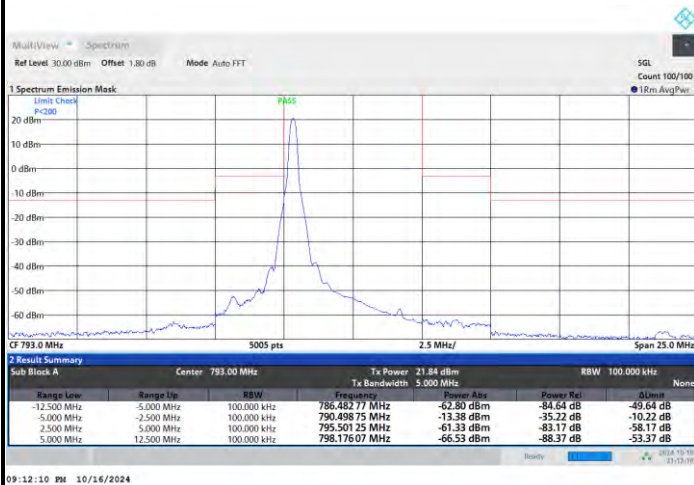




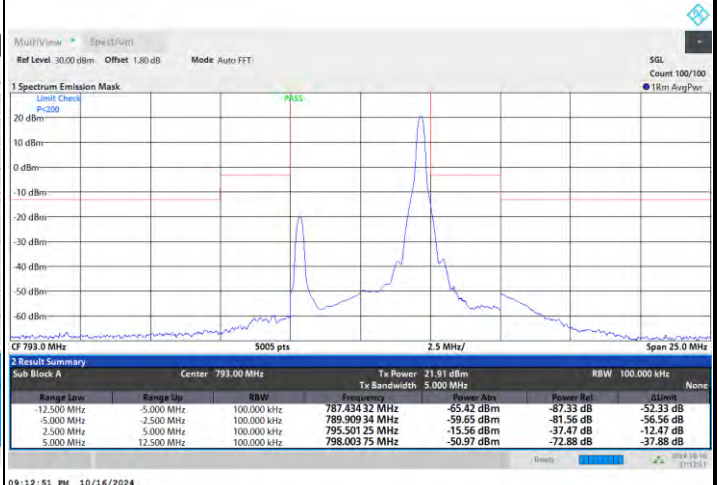
FR1 n14 / 5MHz / DFT-S OFDM / PI/2 BPSK

Middle Channel

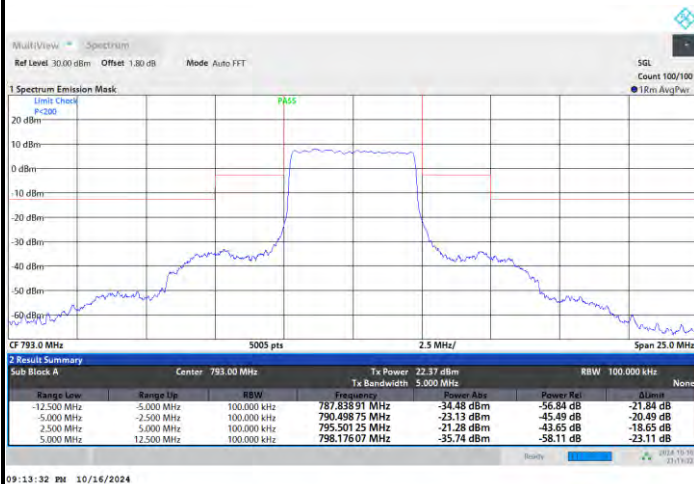
1RB0



1RBmax



Full RB

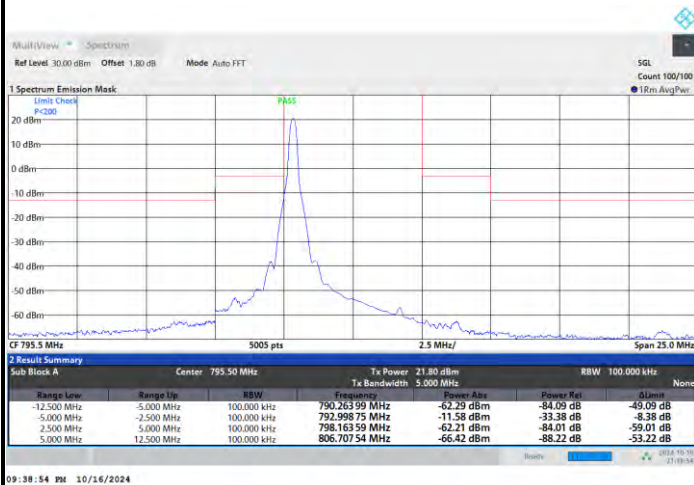




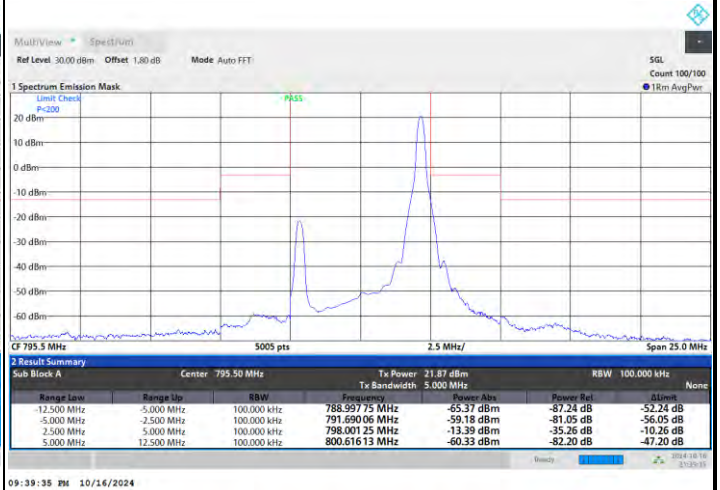
FR1 n14 / 5MHz / DFT-S OFDM / PI/2 BPSK

Highest Channel

1RB0



1RBmax



Full RB

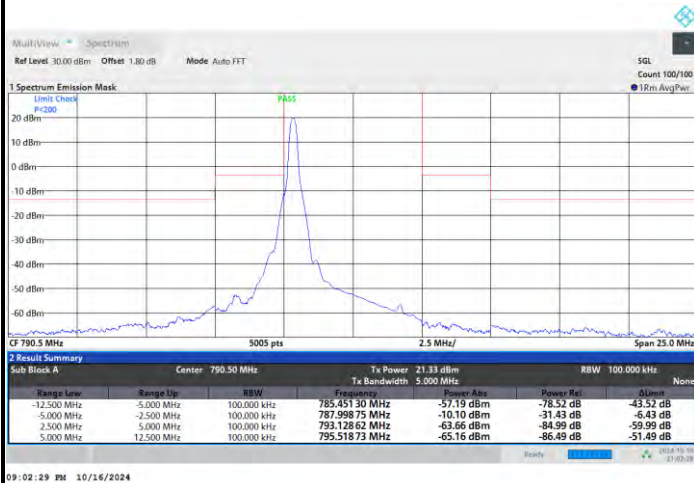




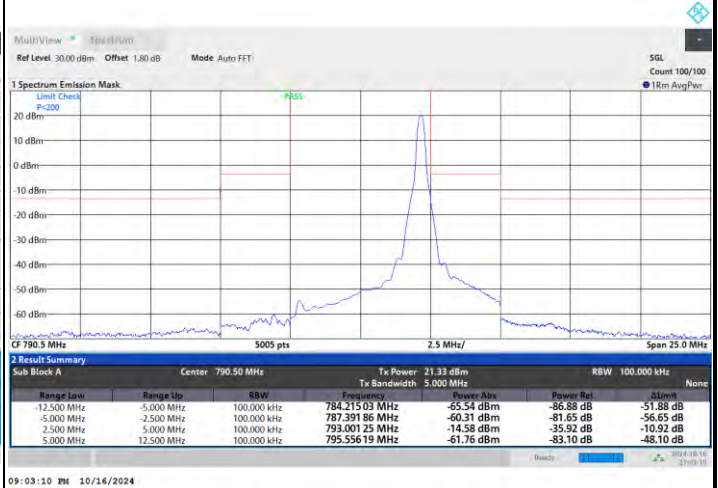
FR1 n14 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel

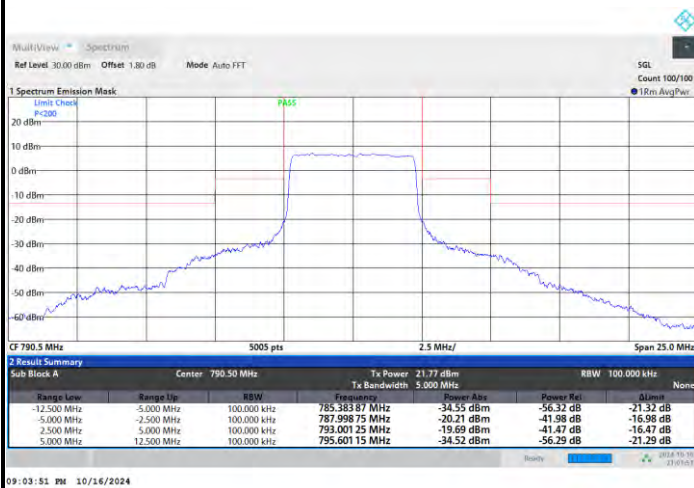
1RB0



1RBmax



Full RB

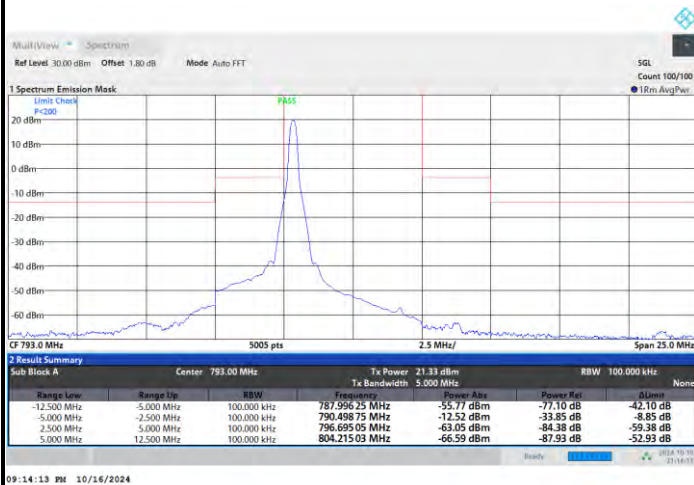




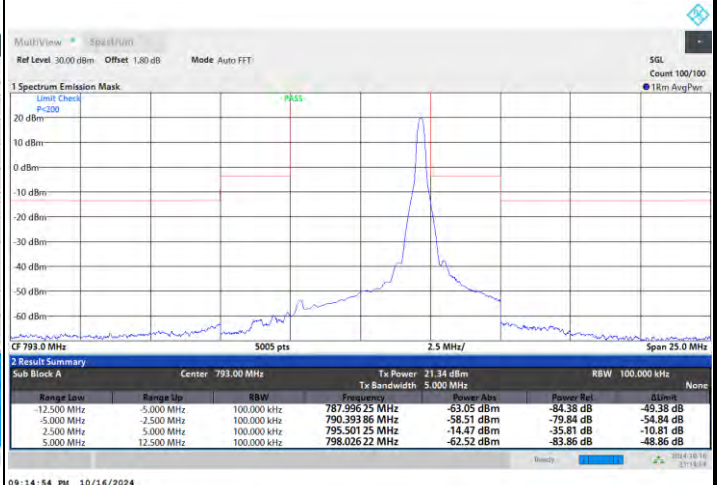
FR1 n14 / 5MHz / DFT-S OFDM / QPSK

Middle Channel

1RB0



1RBmax



Full RB

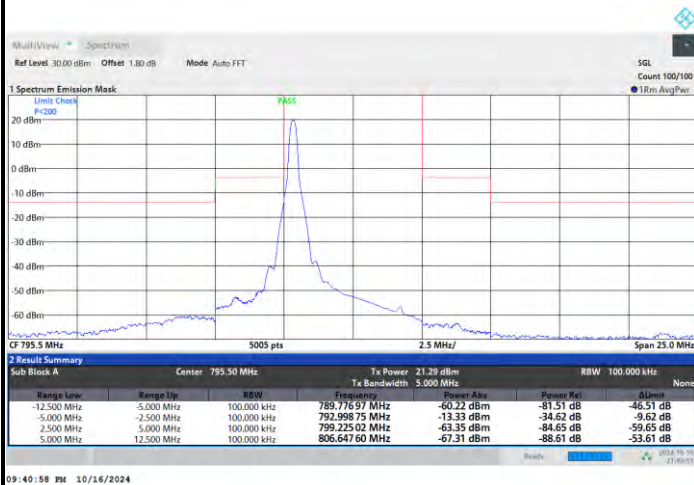




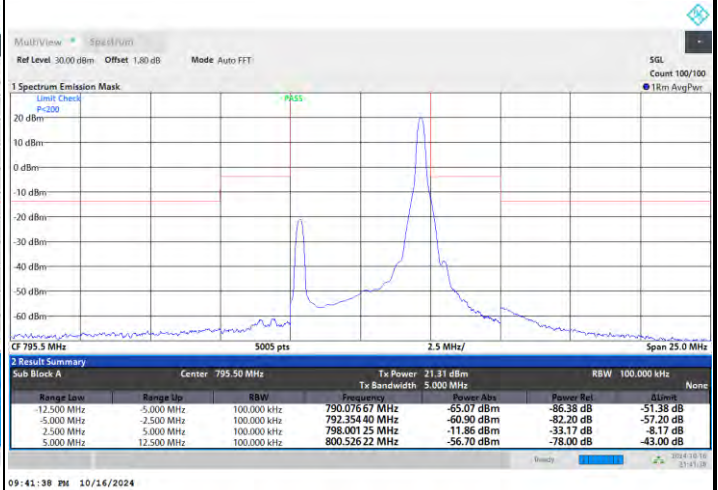
FR1 n14 / 5MHz / DFT-S OFDM / QPSK

Highest Channel

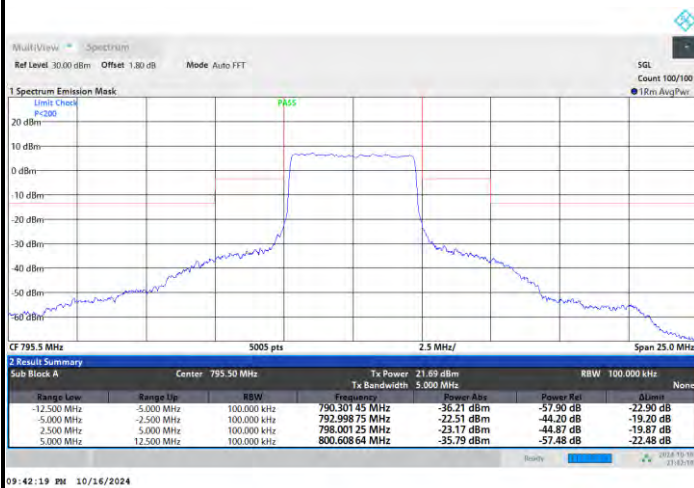
1RB0



1RBmax



Full RB

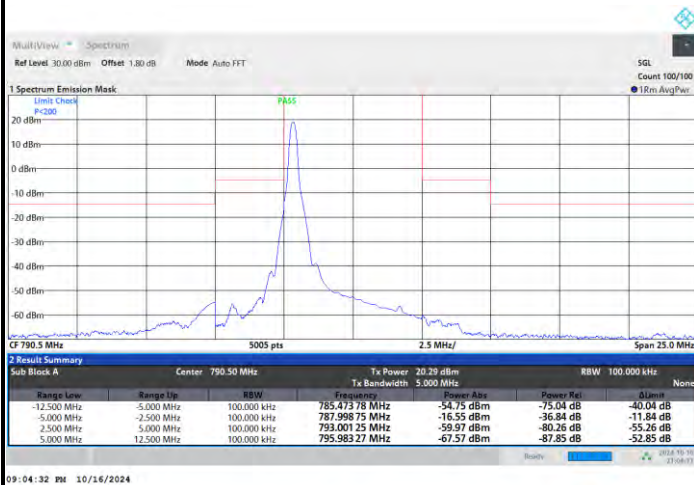




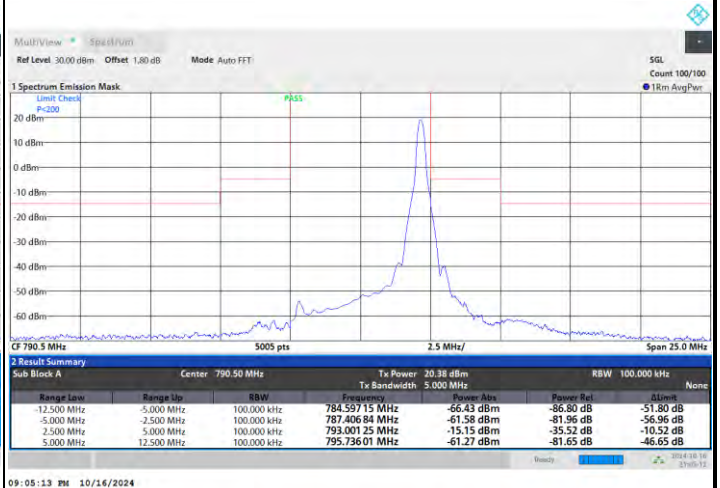
FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

Lowest Channel

1RB0



1RBmax



Full RB

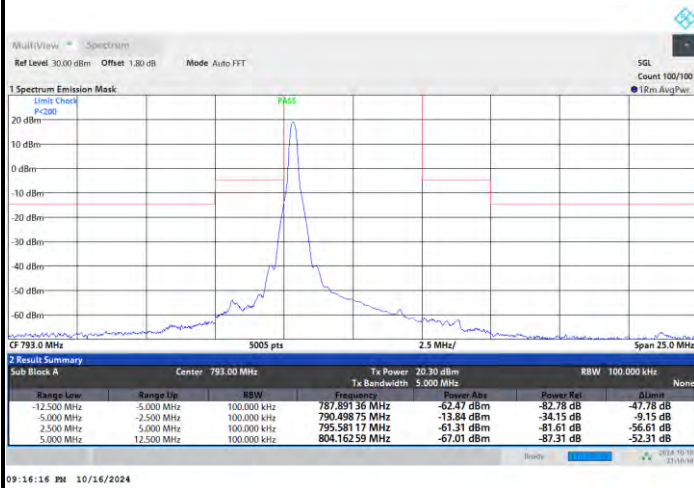




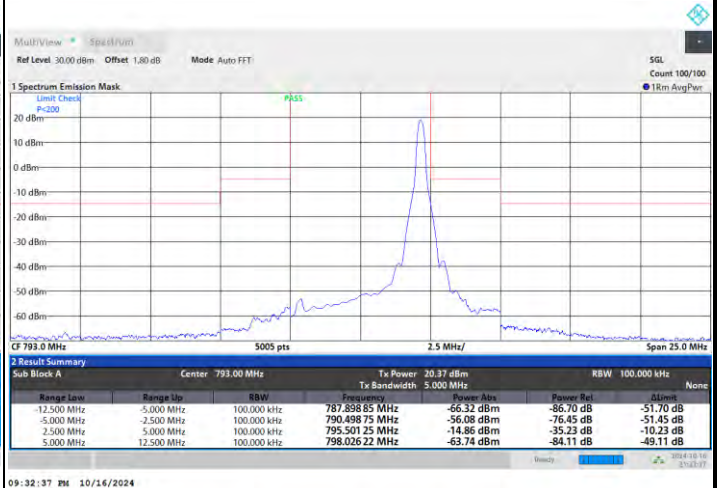
FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

Middle Channel

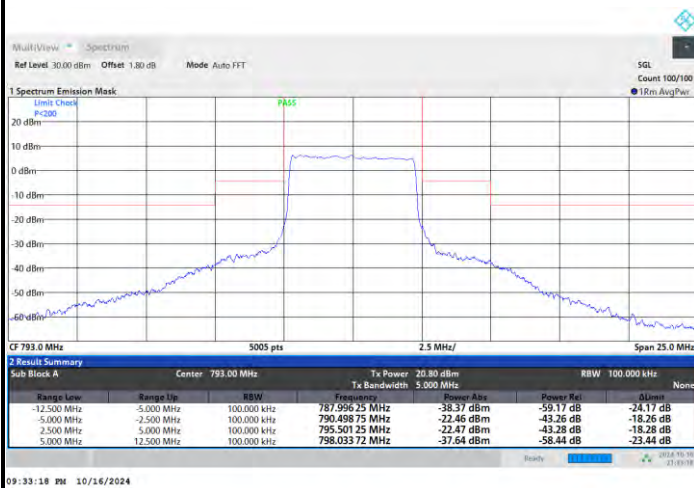
1RB0



1RBmax



Full RB

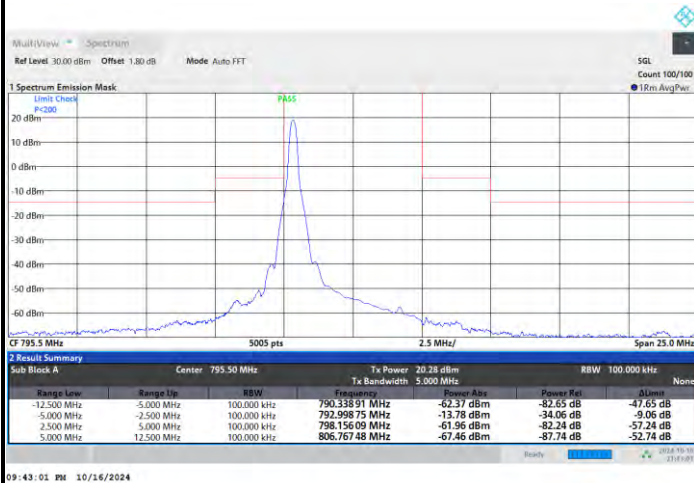




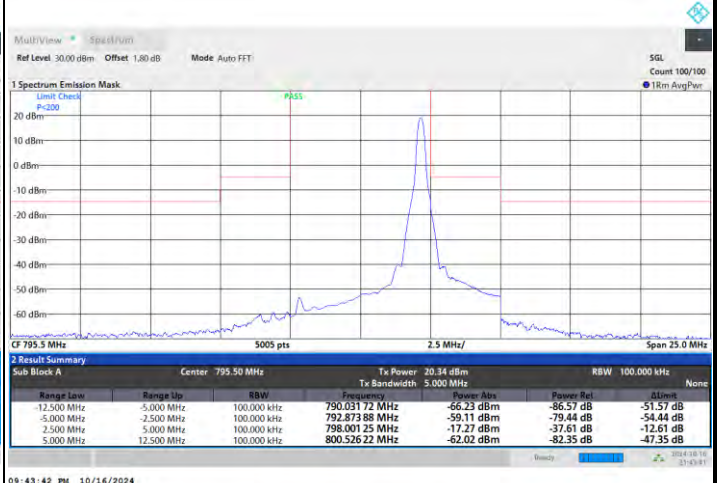
FR1 n14 / 5MHz / DFT-S OFDM / 16QAM

Highest Channel

1RB0



1RBmax



Full RB

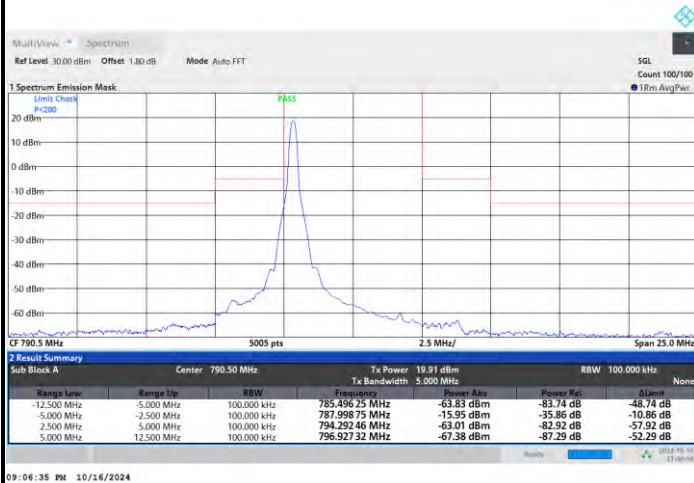




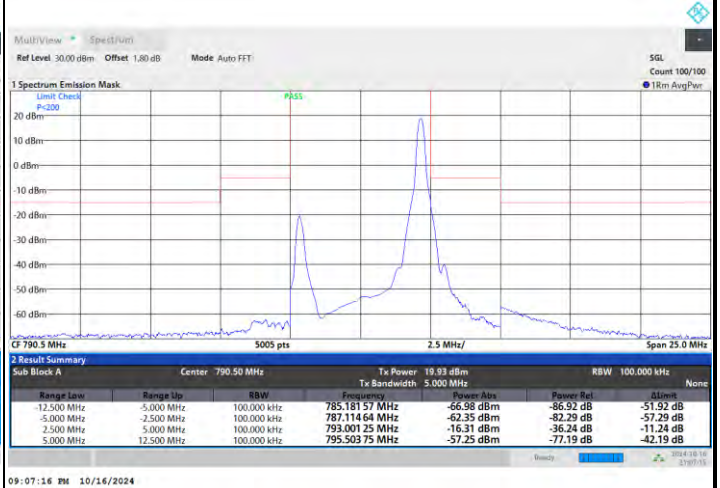
FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

Lowest Channel

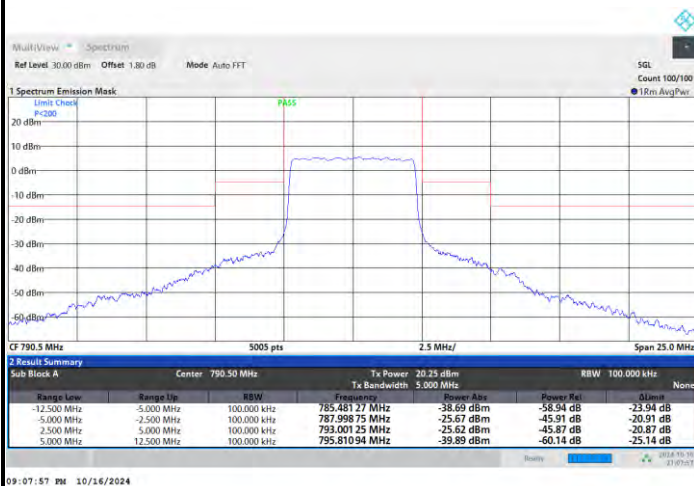
1RB0



1RBmax



Full RB

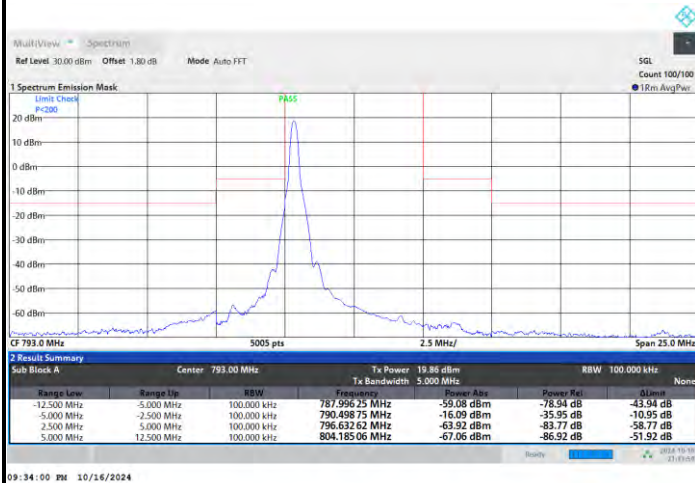




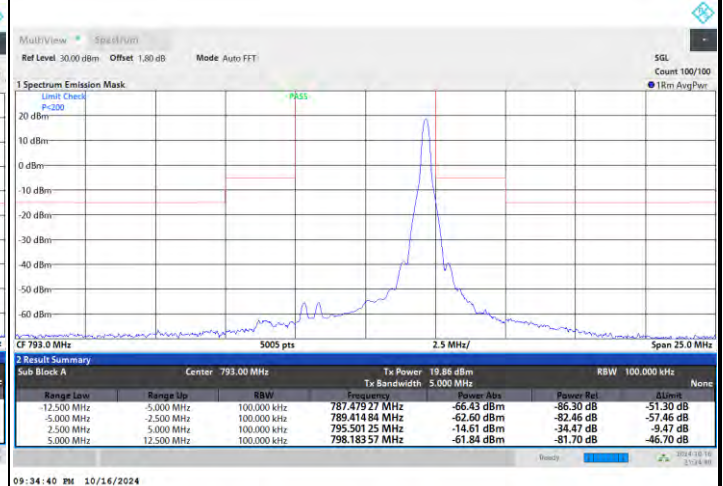
FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

Middle Channel

1RB0



1RBmax



Full RB

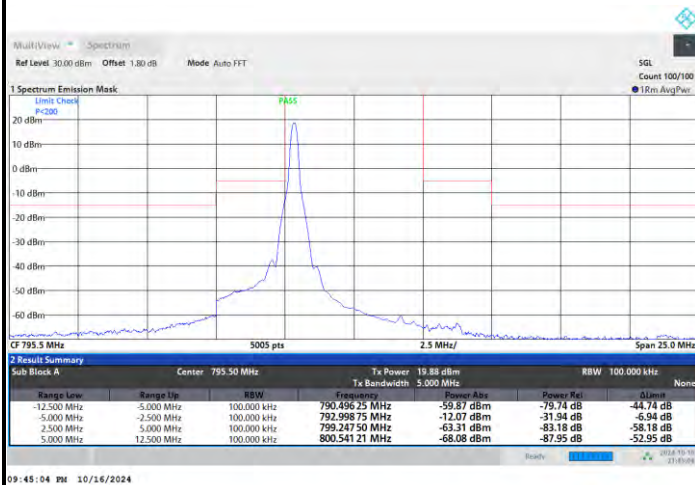




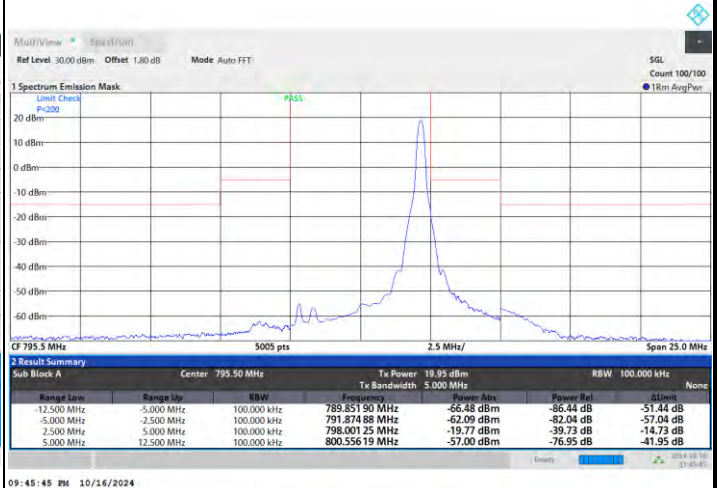
FR1 n14 / 5MHz / DFT-S OFDM / 64QAM

Highest Channel

1RB0



1RBmax



Full RB

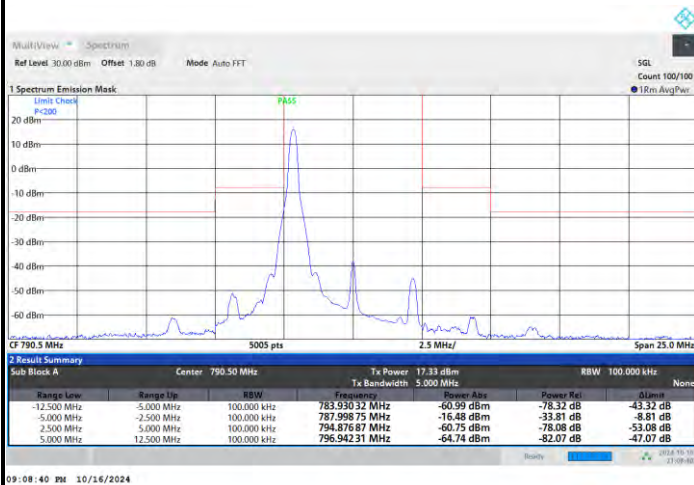




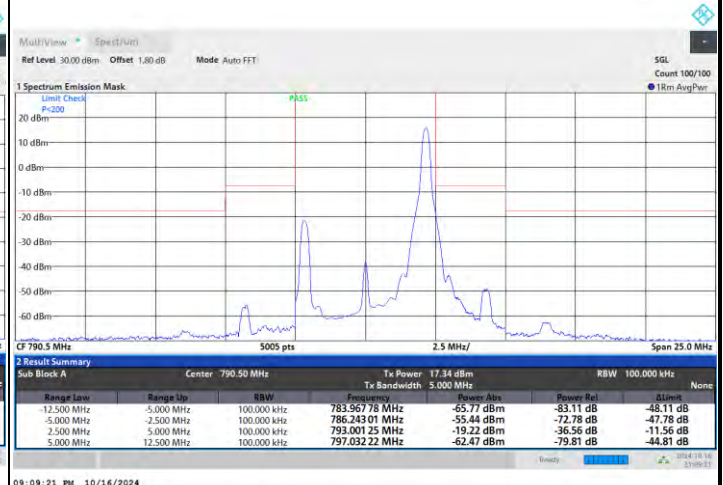
FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

Lowest Channel

1RB0



1RBmax



Full RB

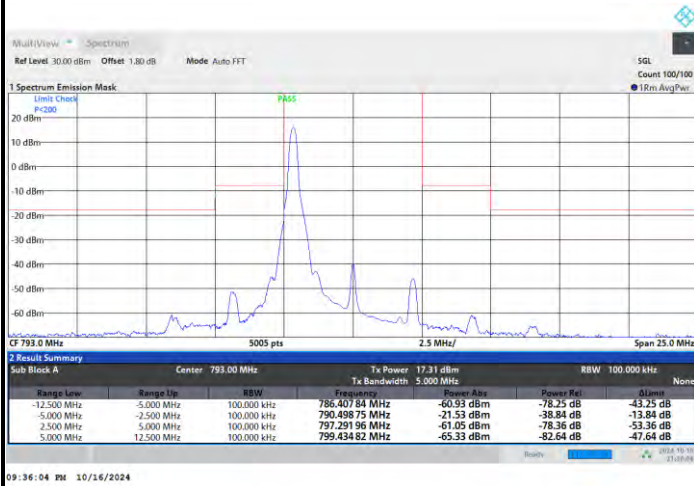




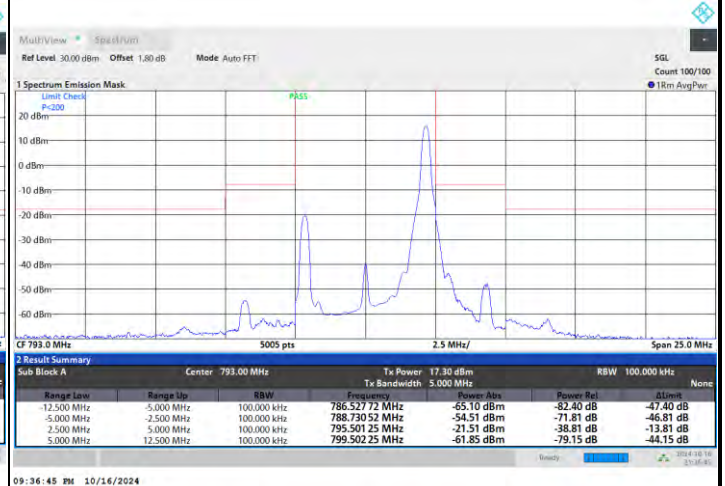
FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

Middle Channel

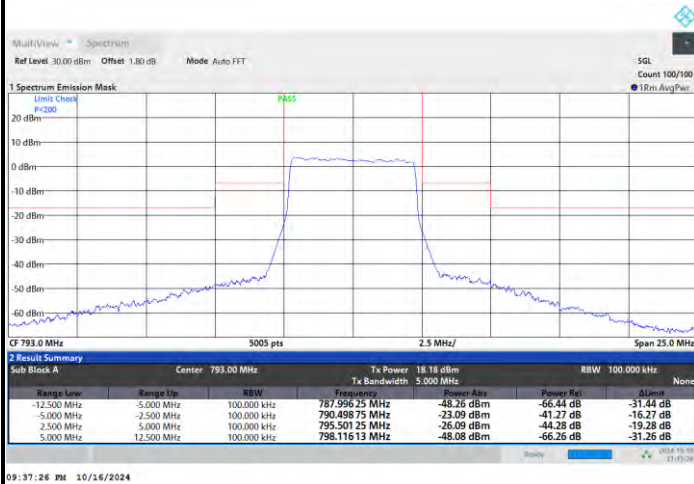
1RB0



1RBmax



Full RB

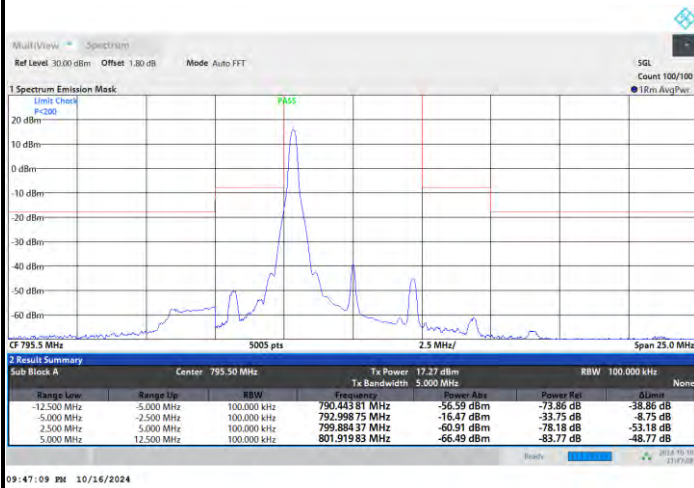




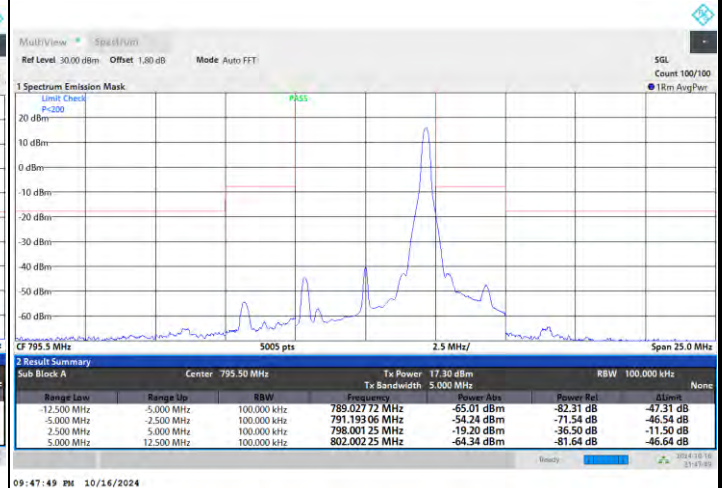
FR1 n14 / 5MHz / DFT-S OFDM / 256QAM

Highest Channel

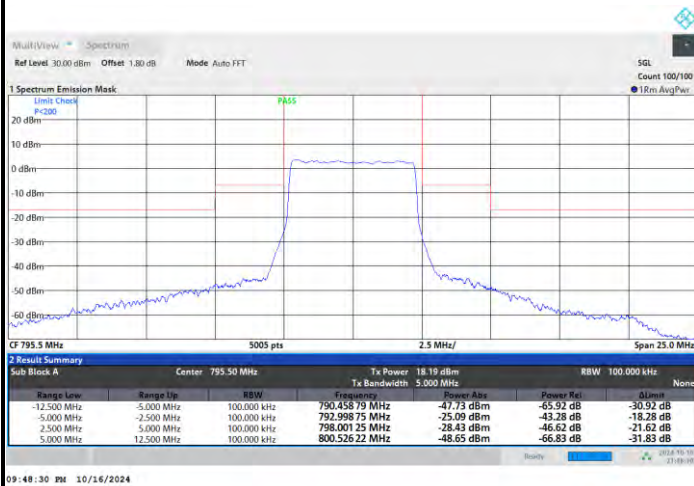
1RB0



1RBmax



Full RB

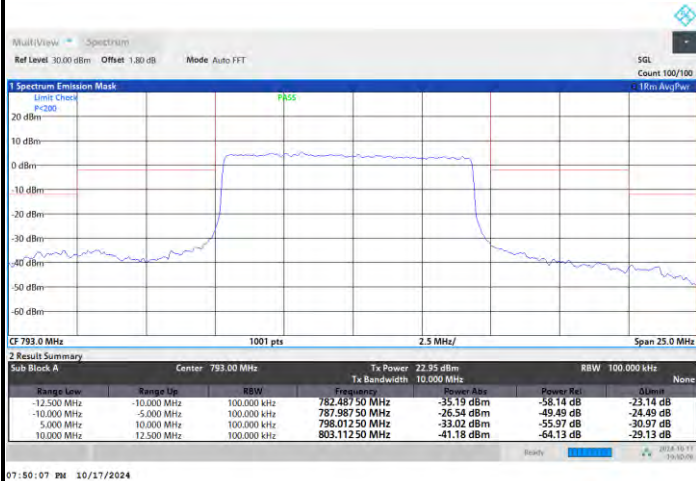




FR1 n14 / 10MHz / DFT-S OFDM / BPSK

Middle Channel

Full RB

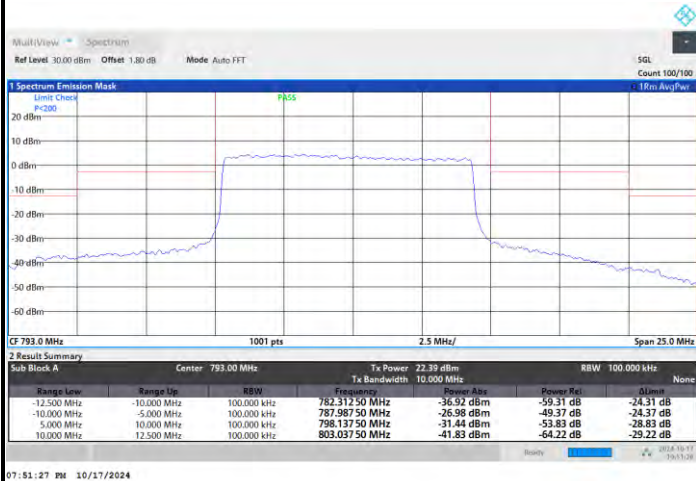




FR1 n14 / 10MHz / DFT-S OFDM / QPSK

Middle Channel

Full RB



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

Middle Channel

Full RB

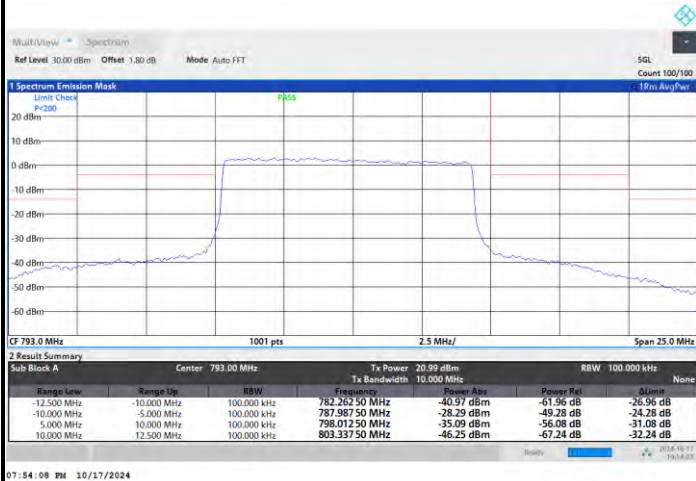




FR1 n14 / 10MHz / DFT-S OFDM / 64QAM

Middle Channel

Full RB



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

Middle Channel

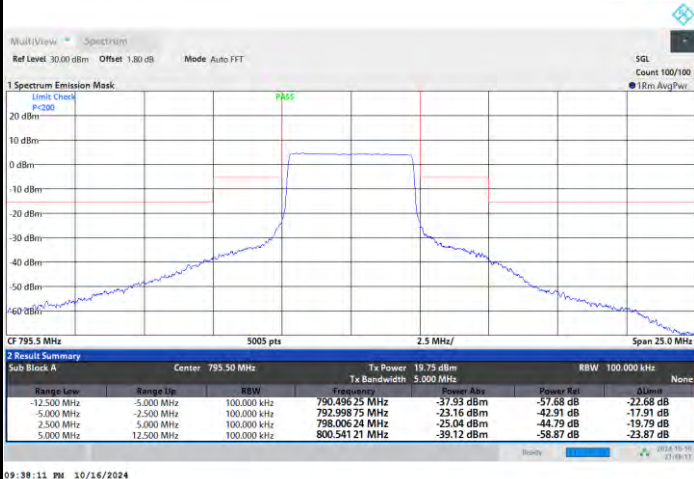
Full RB





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



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n14 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0045	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0047	
-30	Normal Voltage	0.0049	
20	Maximum Voltage	0.0042	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0063	

Note:

1. Normal Voltage = 3.8 V. ; Minimum Voltage = 3.4 V. ; Maximum Voltage = 4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



FR1 n25

<SISO Mode>

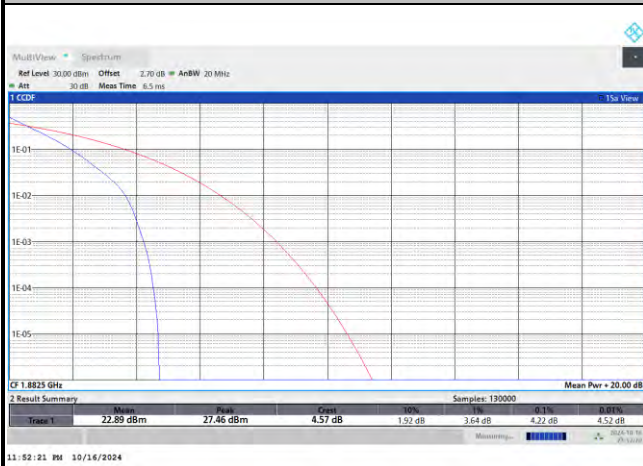
Peak-to-Average Ratio

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	4.22	4.88	6.00	6.32	PASS
Mode	FR1 n25 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.98				PASS

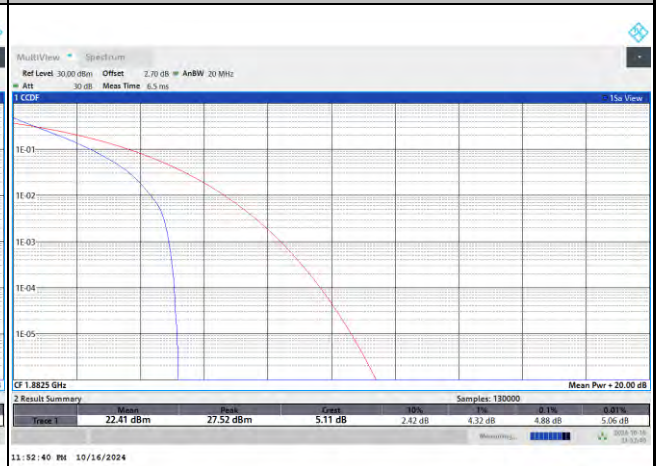


FR1 n25 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

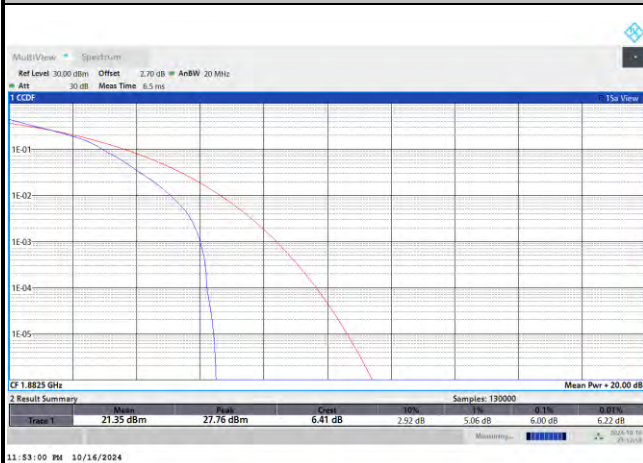
PI/2 BPSK



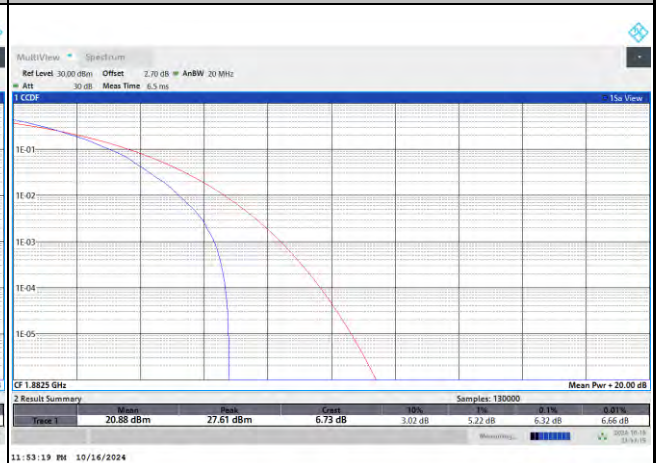
QPSK



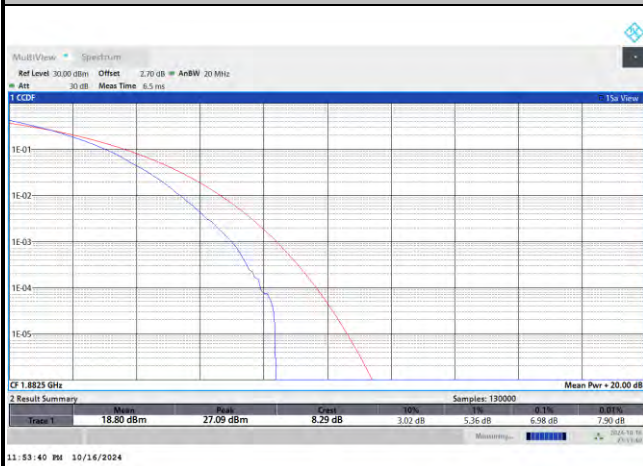
16QAM



64QAM



256QAM



**26dB Bandwidth**

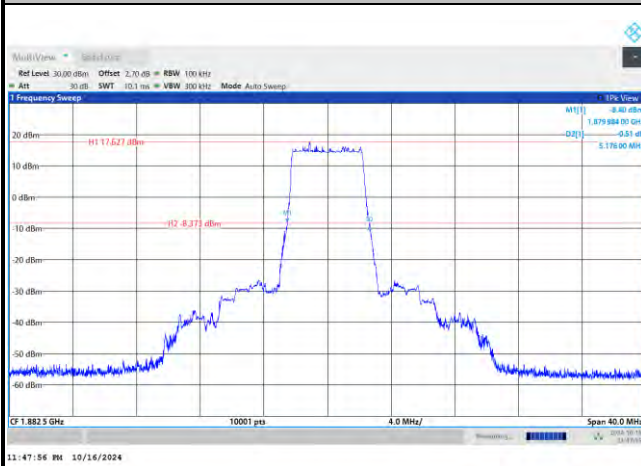
Mode	FR1 n25 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	5.17		9.74		14.52		19.31	
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	24.35		31.03		34.69		41.09	

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	5.26	10.41	10.35	15.34	15.39	20.45	20.39
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.20	5.32	10.36	10.29	15.34	15.33	20.81	20.53
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	25.35	25.32	31.05	31.46	36.22	36.53	41.34	41.11
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	25.30	25.26	31.06	31.12	36.33	36.05	41.21	41.07



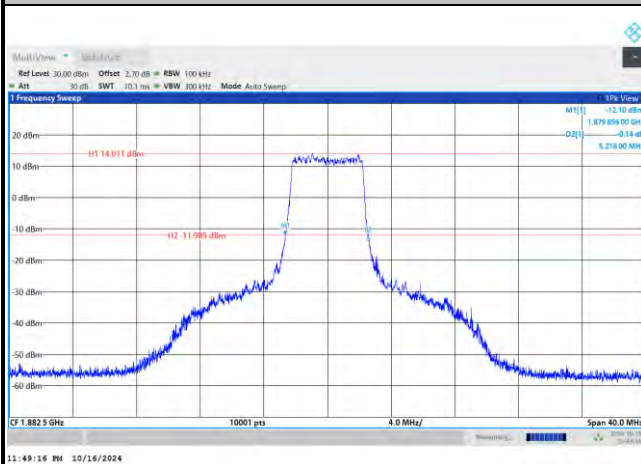
FR1 n25 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

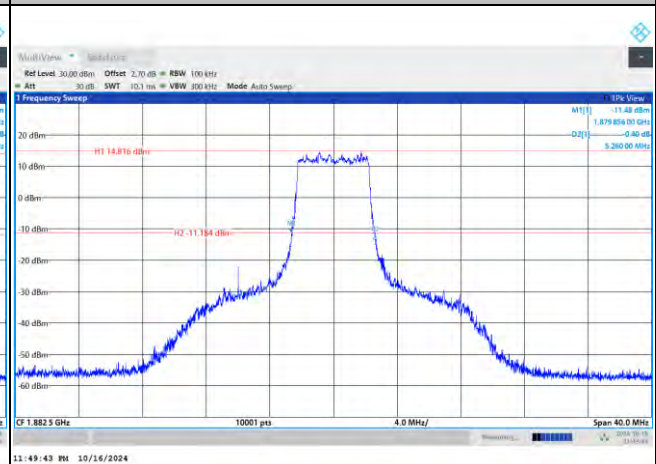


FR1 n25 / 5MHz / CP OFDM / Middle Channel / Full RB

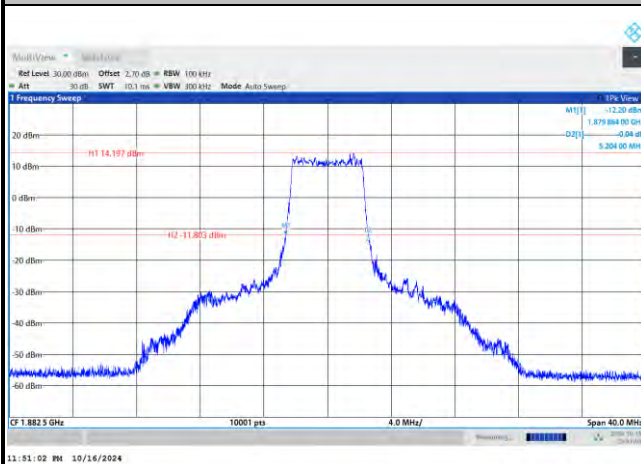
QPSK



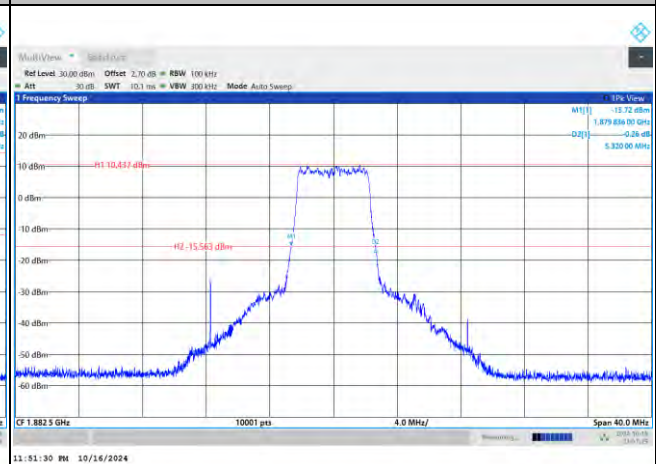
16QAM



64QAM



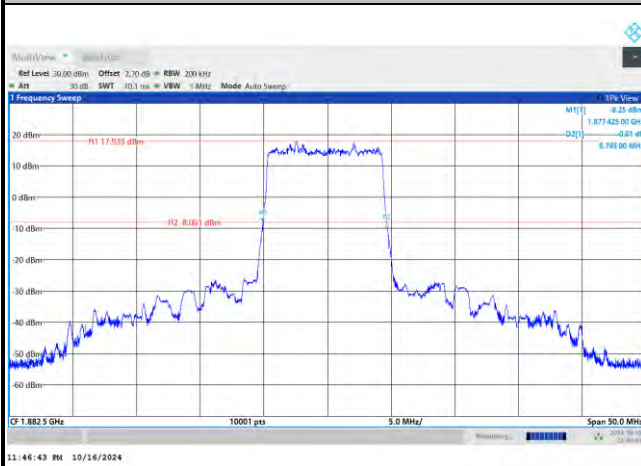
256QAM





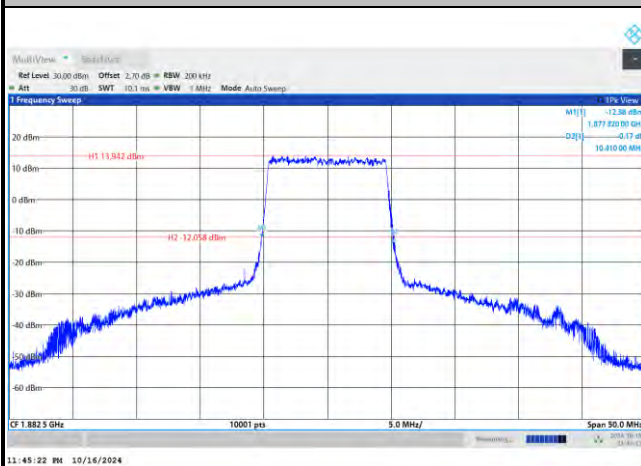
FR1 n25 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

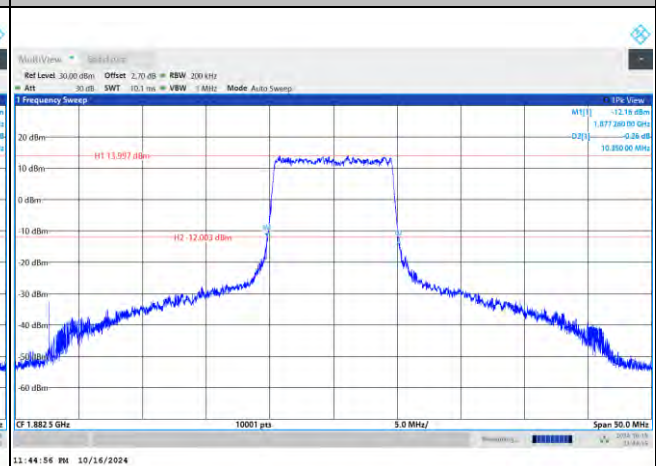


FR1 n25 / 10MHz / CP OFDM / Middle Channel / Full RB

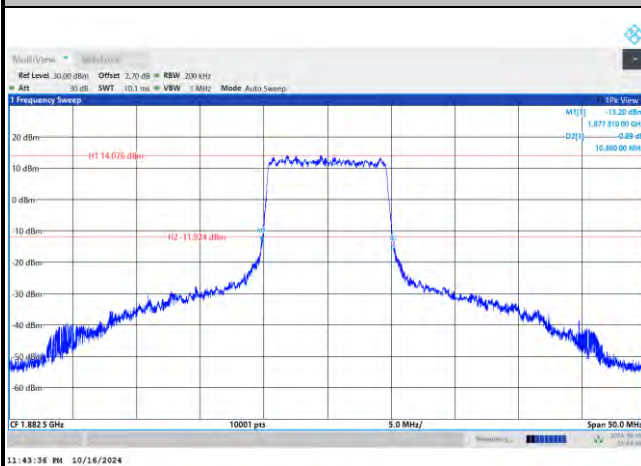
QPSK



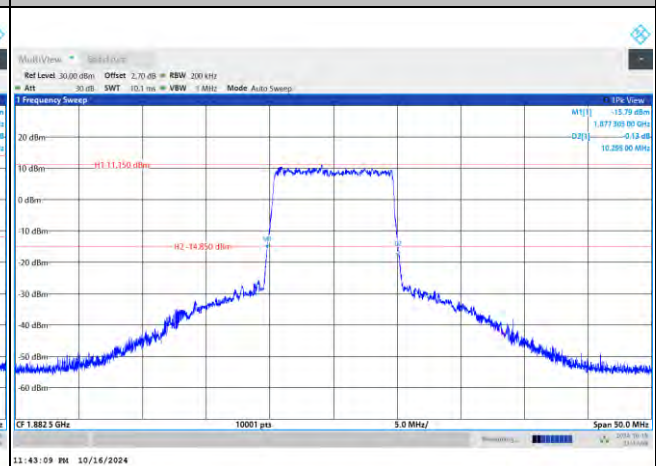
16QAM



64QAM

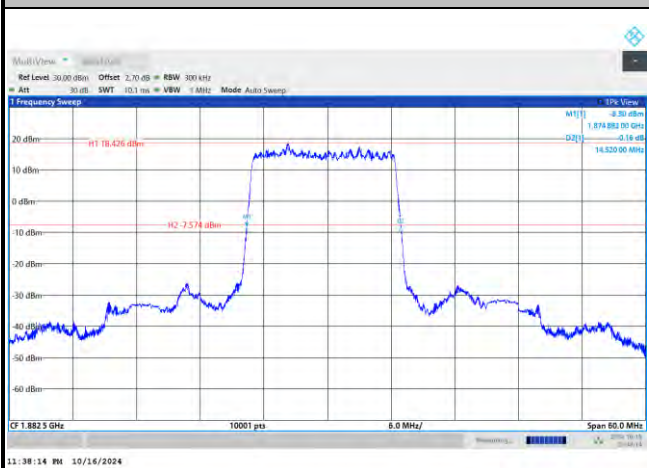


256QAM

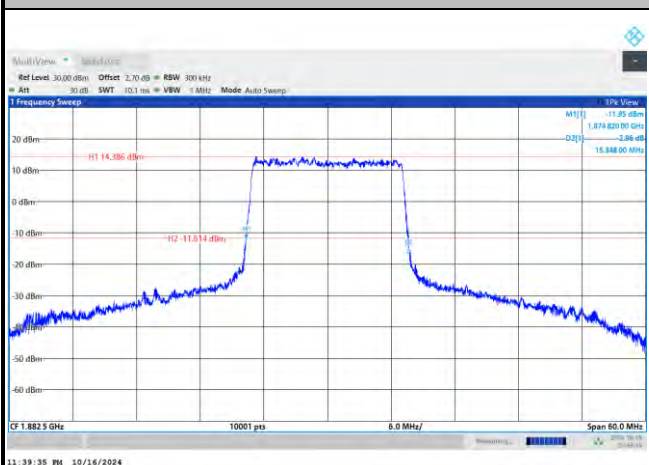


**FR1 n25 / 15MHz / DFT-S OFDM / Middle Channel / Full RB**

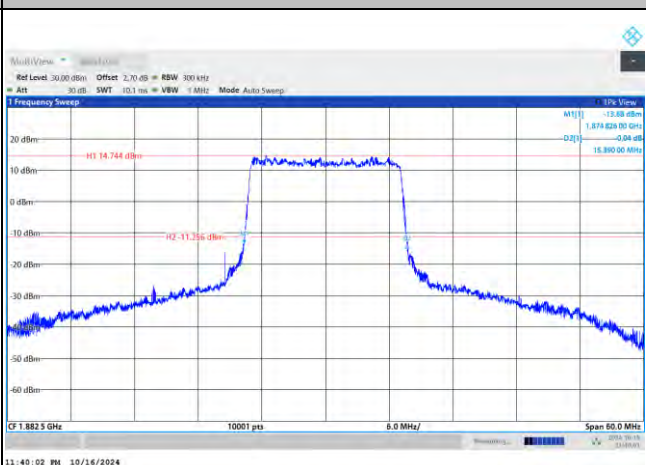
PI/2 BPSK

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

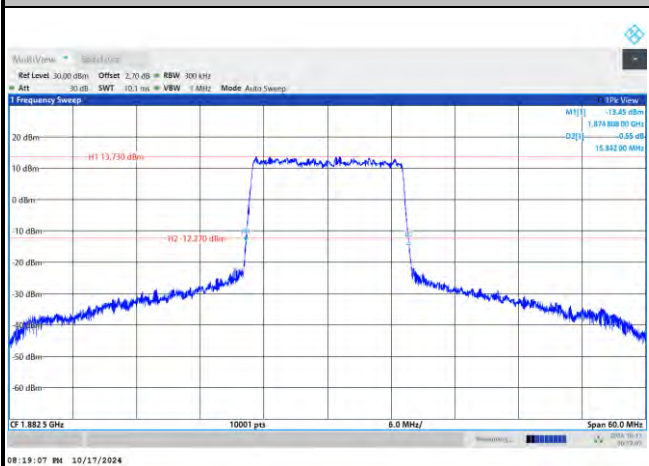
QPSK



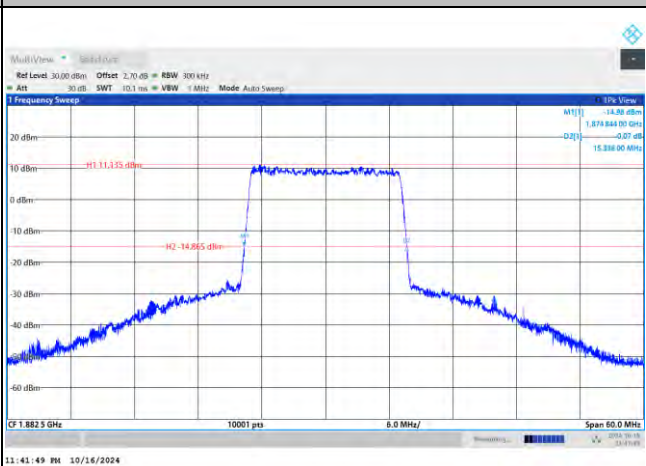
16QAM



64QAM



256QAM





Ref Level: 30.00 dBm Offset: 2.70 dB BW: 500 kHz
 Att: 95 dB SWF: 10.1 ms VBW: 2 MHz Mode: Auto Sweep

Frequency Sweep

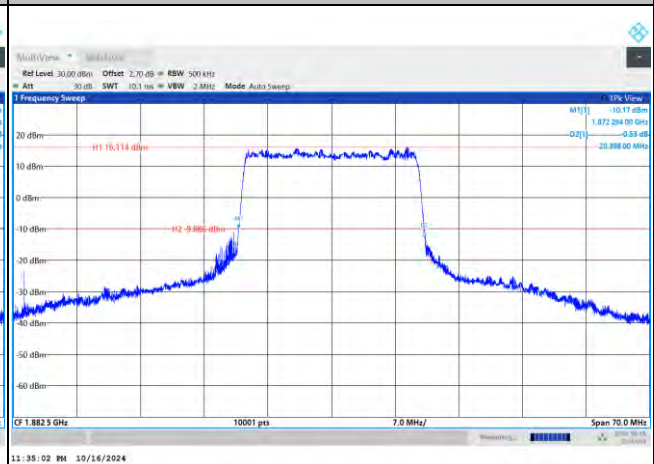
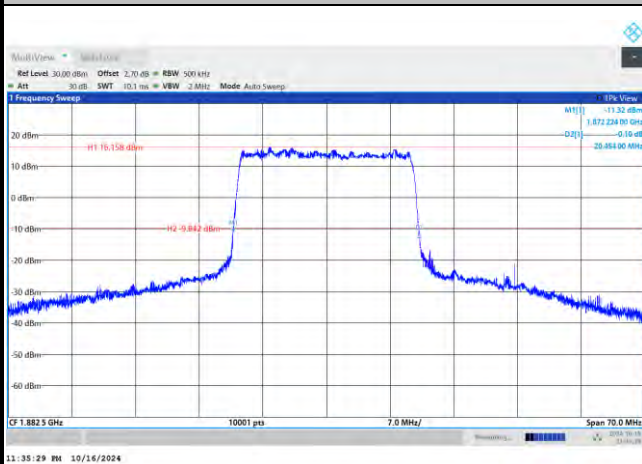
20 dBm
 10 dBm
 0 dBm
 -10 dBm
 -20 dBm
 -30 dBm
 -40 dBm

H1 18.750 dBm
 H2 -7.250 dBm

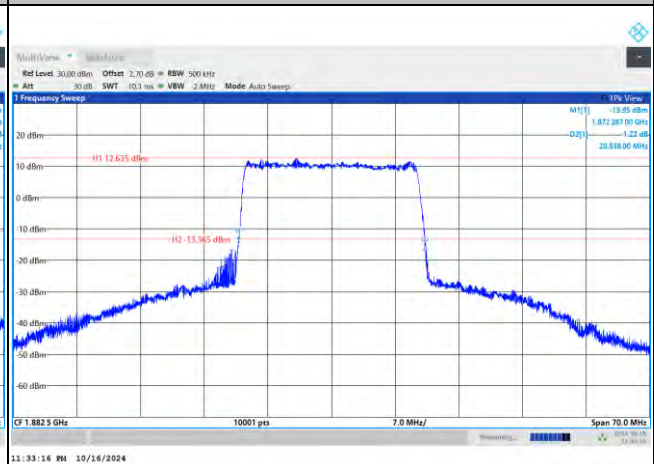
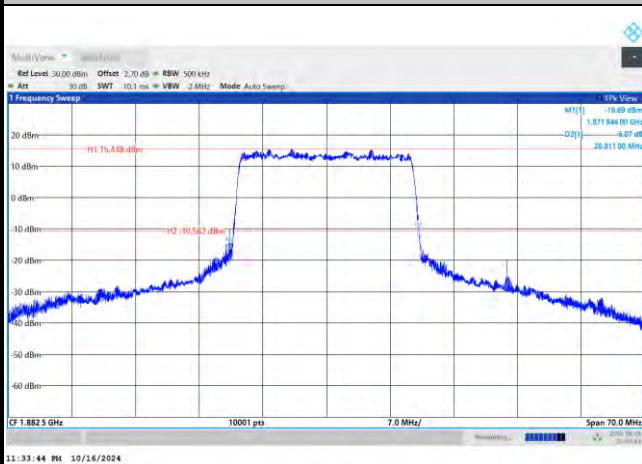
1.8825 GHz 10001 pts 7.8 MHz/ Span 70.0 MHz

10/16/2024

16QAM



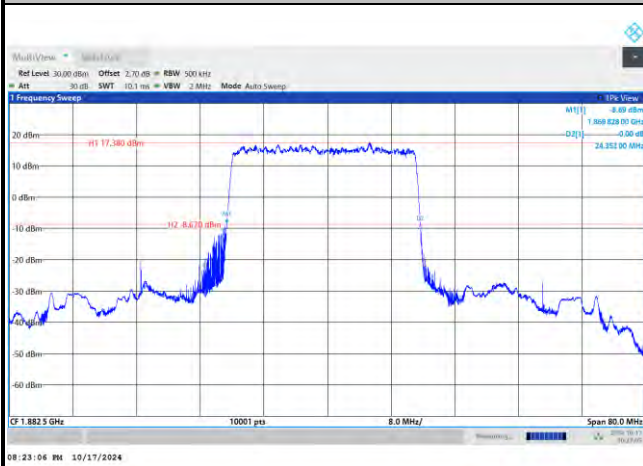
256QAM





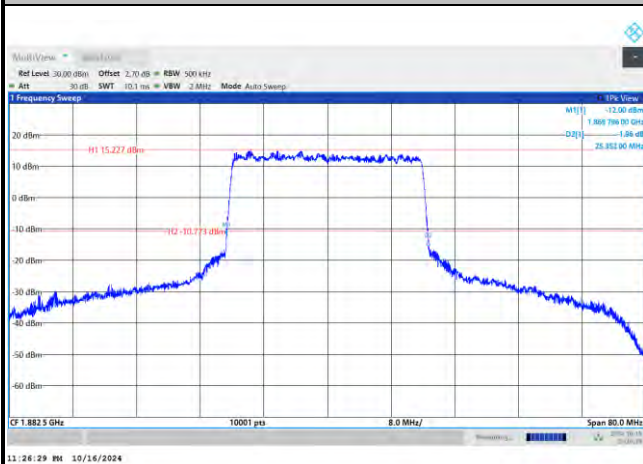
FR1 n25 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

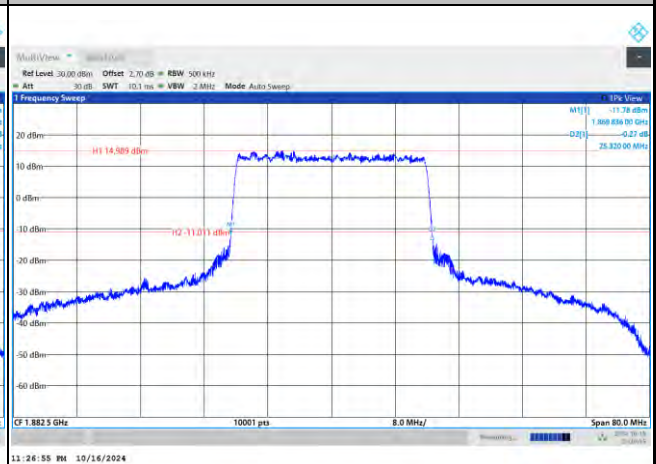


FR1 n25 / 25MHz / CP OFDM / Middle Channel / Full RB

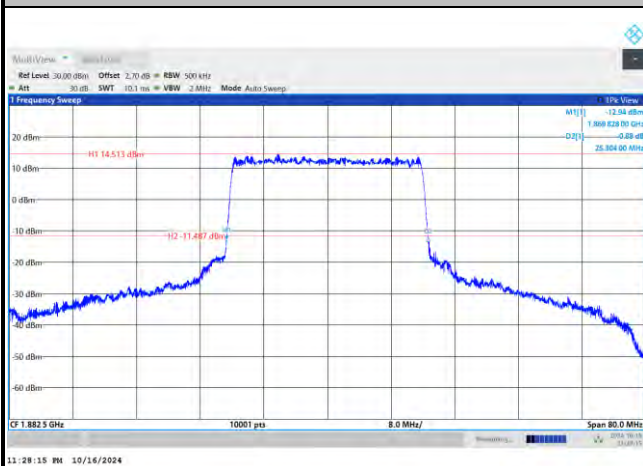
QPSK



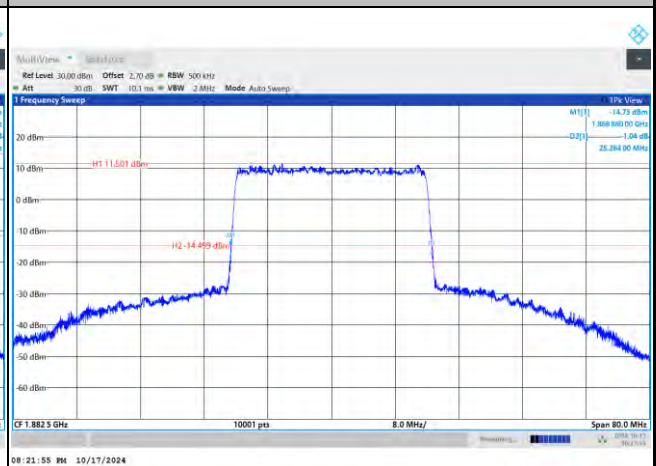
16QAM



64QAM

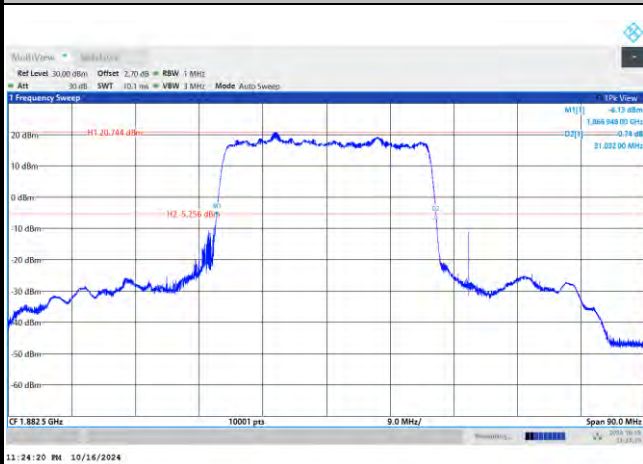


256QAM



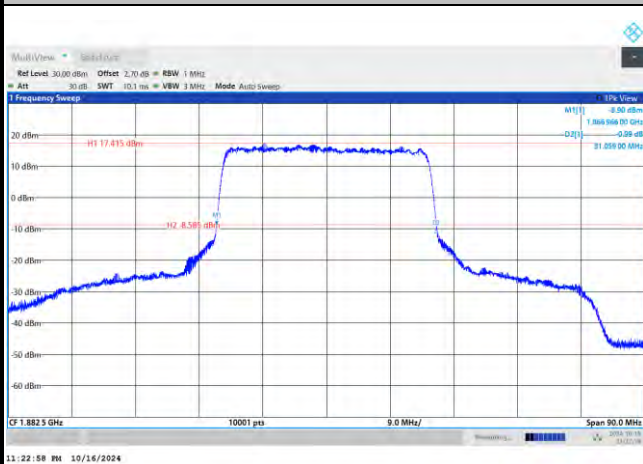


FR1 n25 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

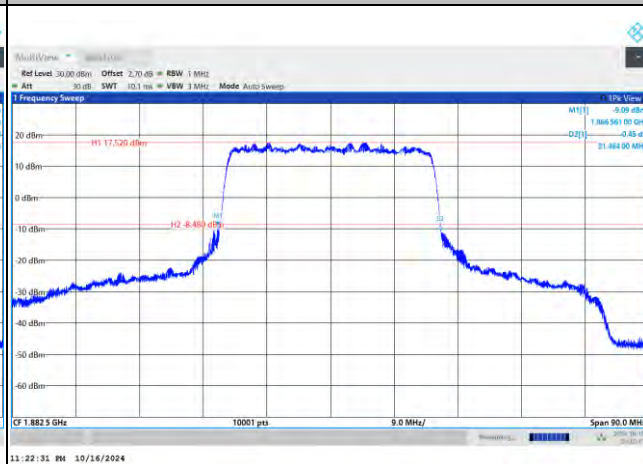
PI/2 BPSK

FR1 n25 / 30MHz / CP OFDM / Middle Channel / Full RB

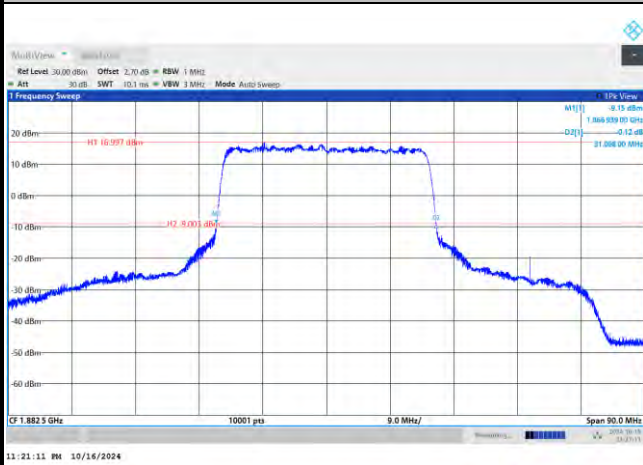
QPSK



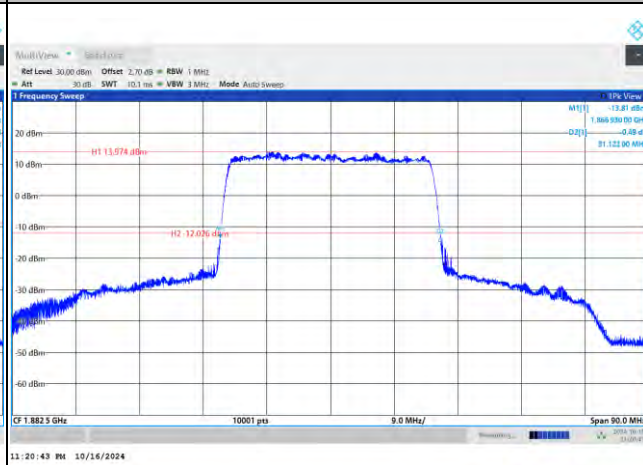
16QAM



64QAM



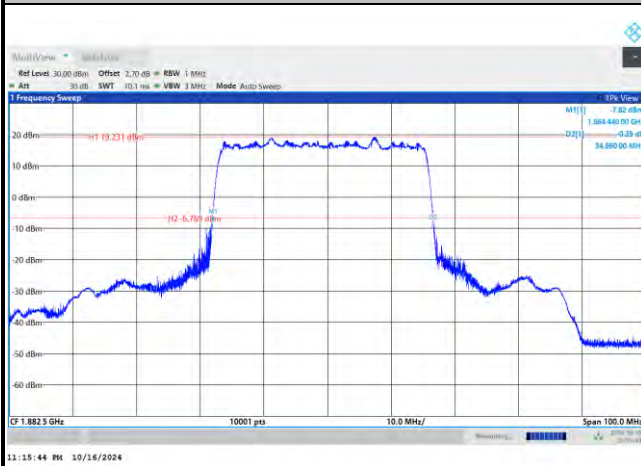
256QAM





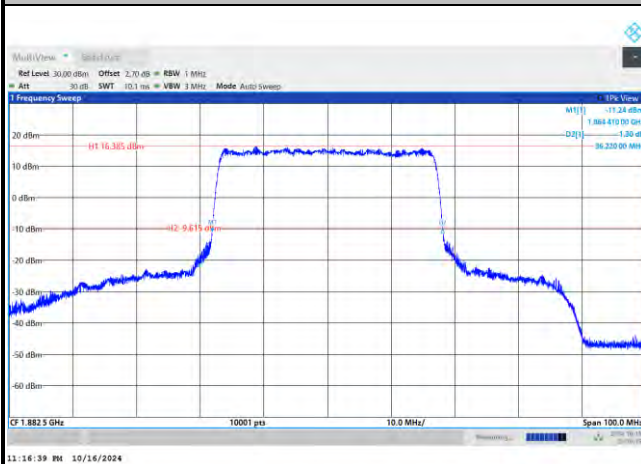
FR1 n25 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

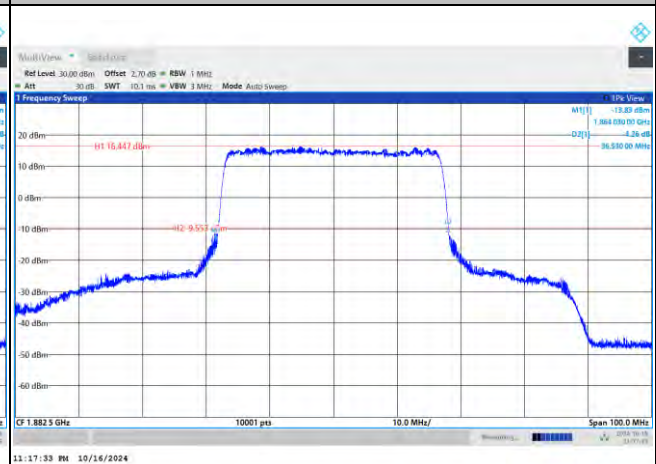


FR1 n25 / 35MHz / CP OFDM / Middle Channel / Full RB

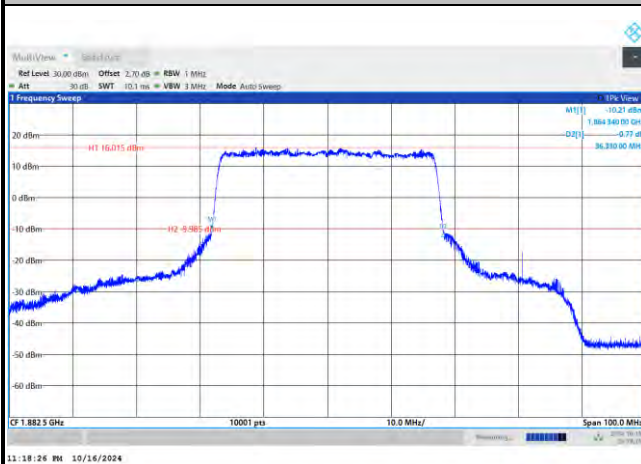
QPSK



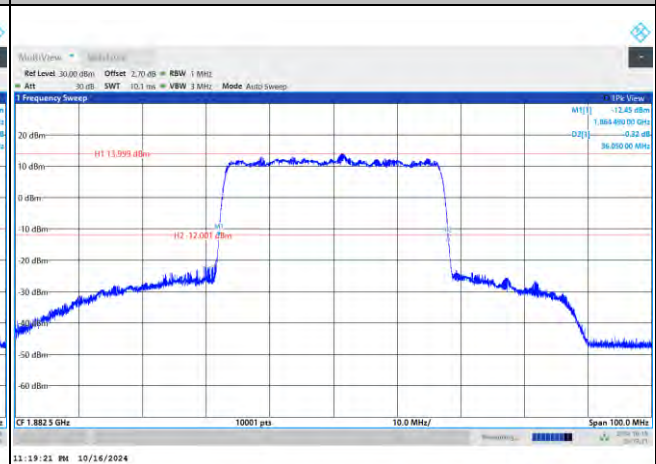
16QAM

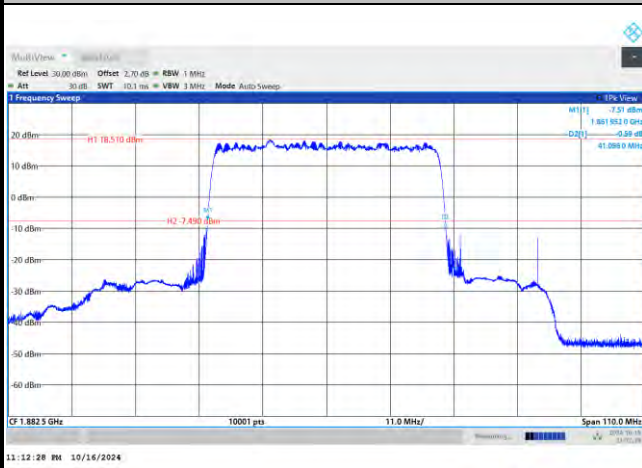
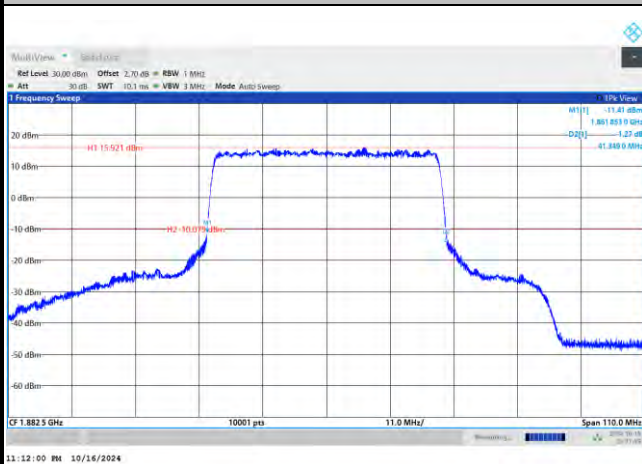
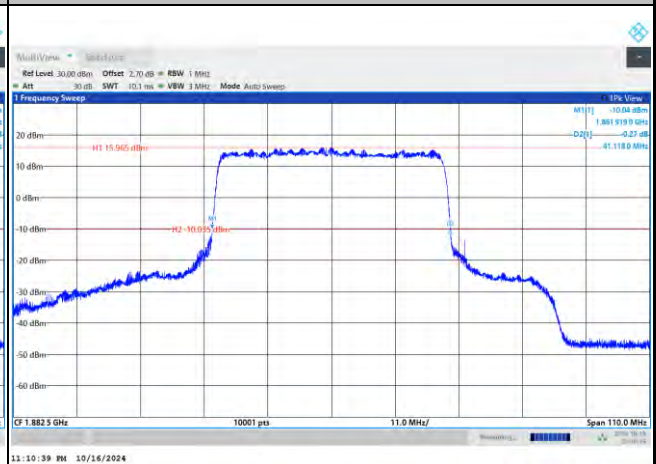
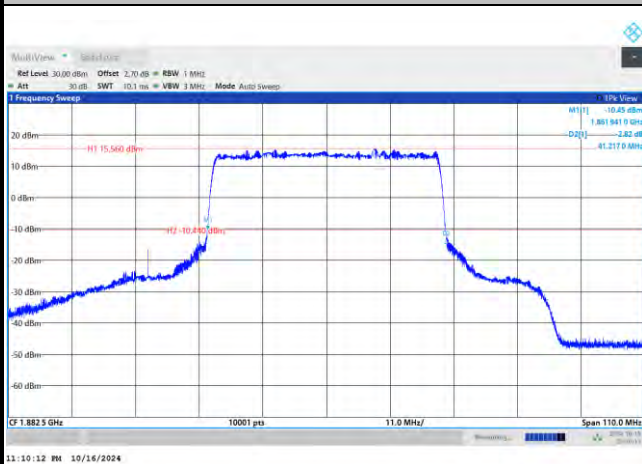
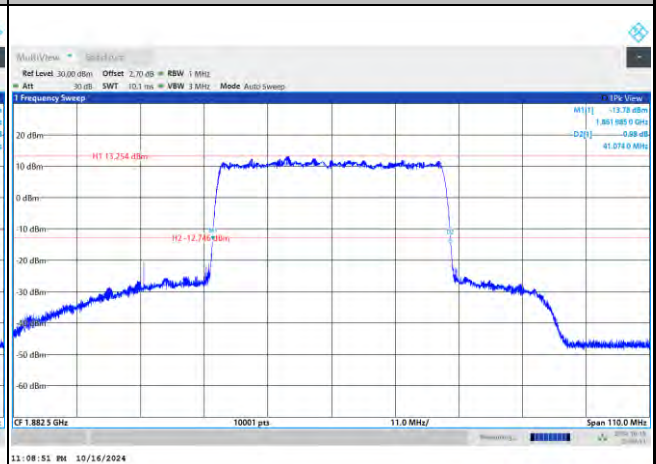


64QAM



256QAM



FR1 n25 / 40MHz / DFT-S OFDM / Middle Channel / Full RB
PI/2 BPSK

FR1 n25 / 40MHz / CP OFDM / Middle Channel / Full RB
QPSK

16QAM

64QAM

256QAM


**Occupied Bandwidth**

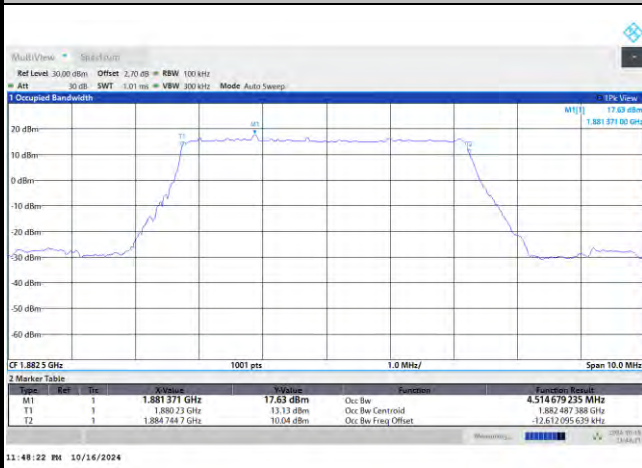
Mode	FR1 n25 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.51		8.98		13.45		17.98	
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	22.96		28.95		32.44		38.69	

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	9.33	9.33	14.15	14.18	19.01	19.04
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.52	4.52	9.30	9.34	14.18	14.18	19.03	19.08
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	23.83	23.82	28.87	28.87	33.88	33.84	38.75	38.74
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	23.78	23.80	28.86	28.82	33.87	33.79	38.88	38.72



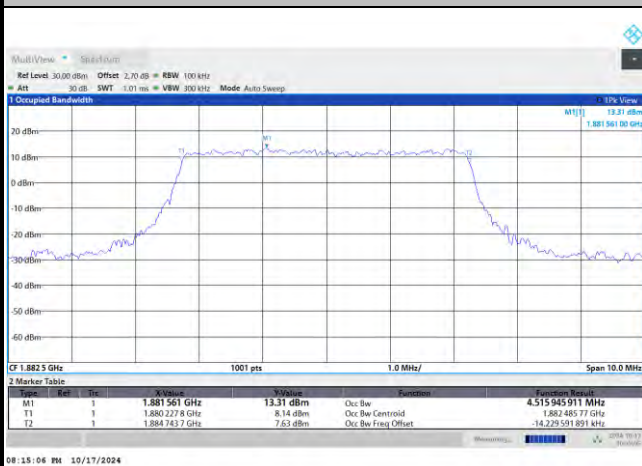
FR1 n25 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

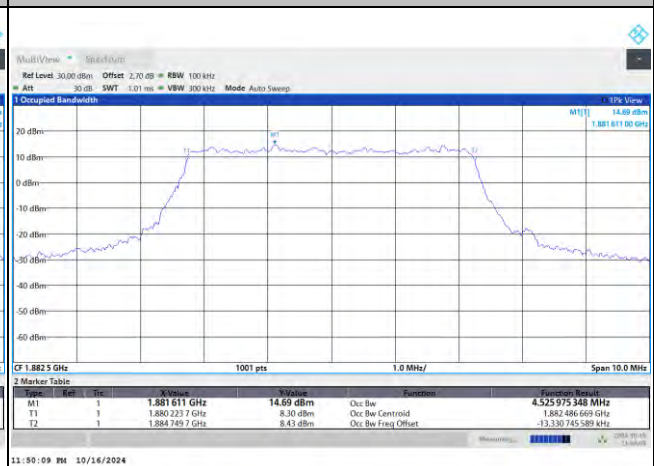


FR1 n25 / 5MHz / CP OFDM / Middle Channel / Full RB

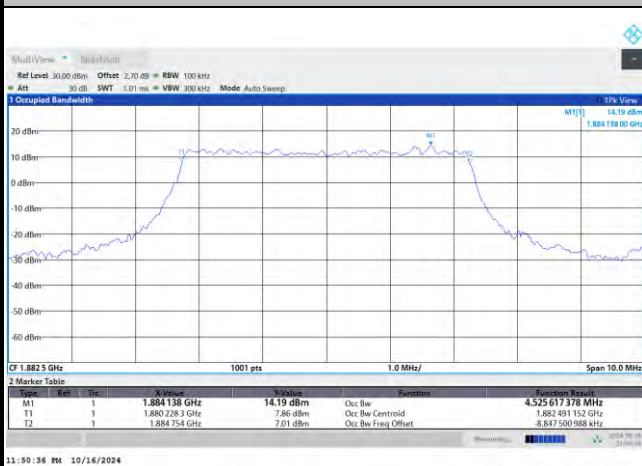
QPSK



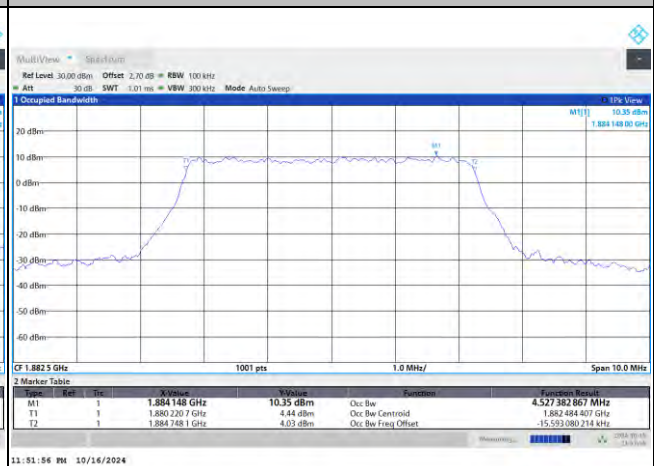
16QAM



64QAM



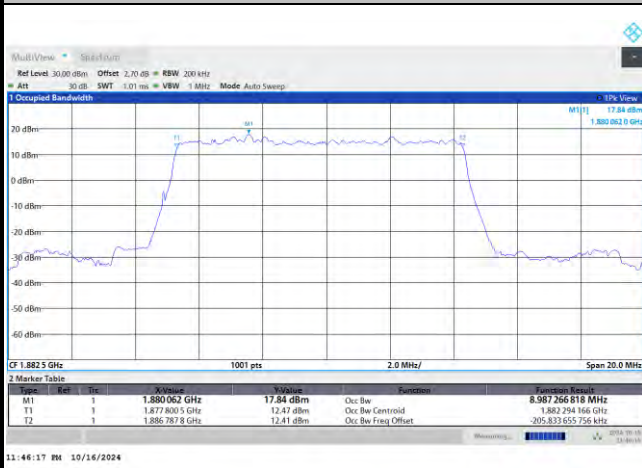
256QAM





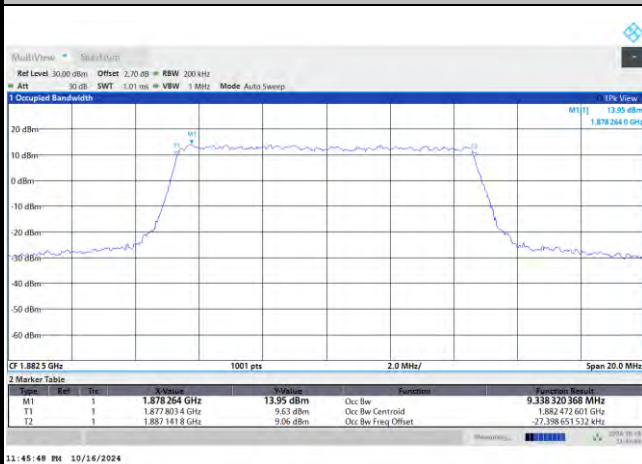
FR1 n25 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

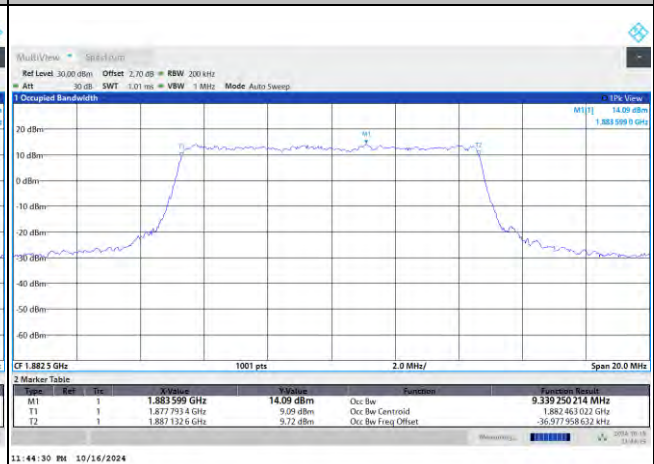


FR1 n25 / 10MHz / CP OFDM / Middle Channel / Full RB

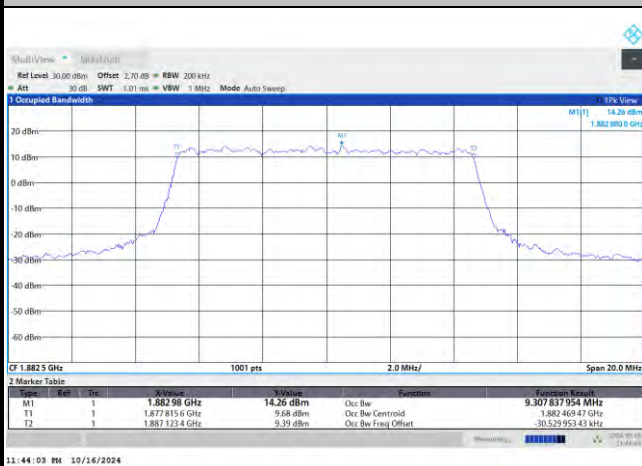
QPSK



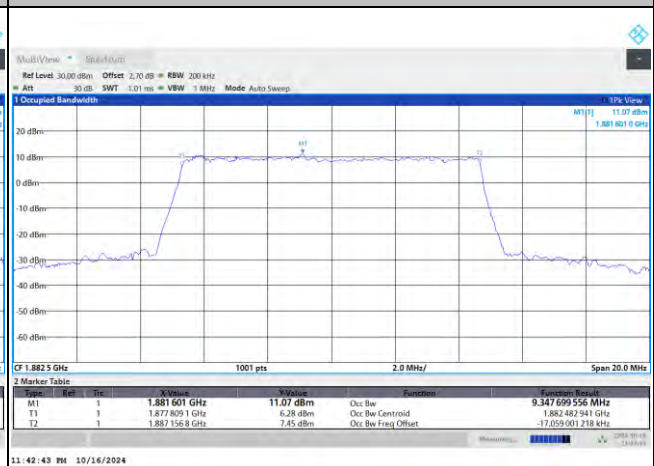
16QAM



64QAM



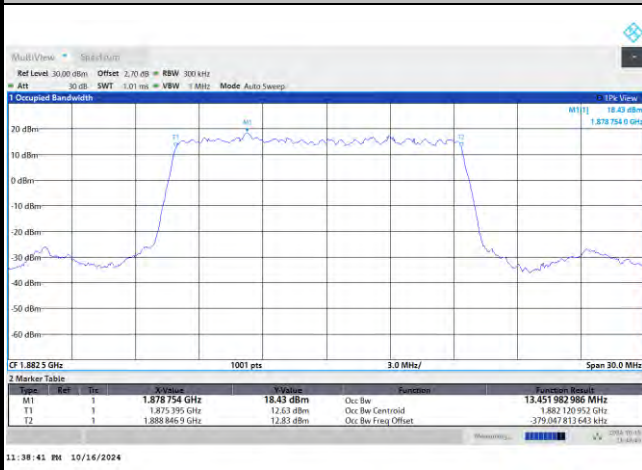
256QAM





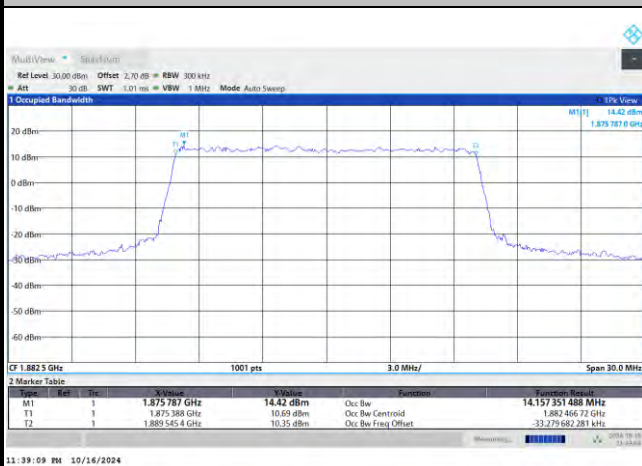
FR1 n25 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

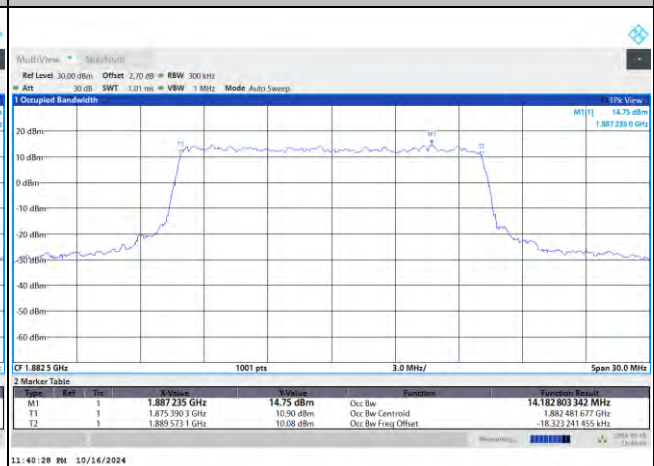


FR1 n25 / 15MHz / CP OFDM / Middle Channel / Full RB

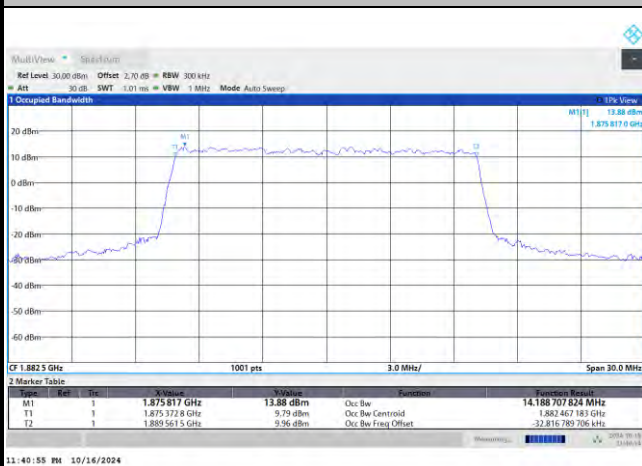
QPSK



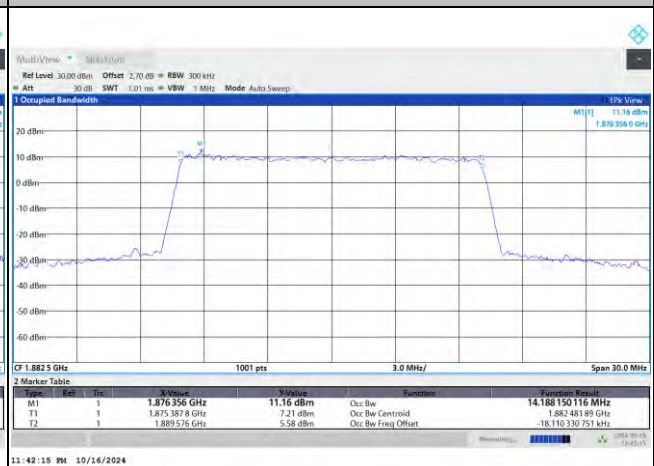
16QAM



64QAM



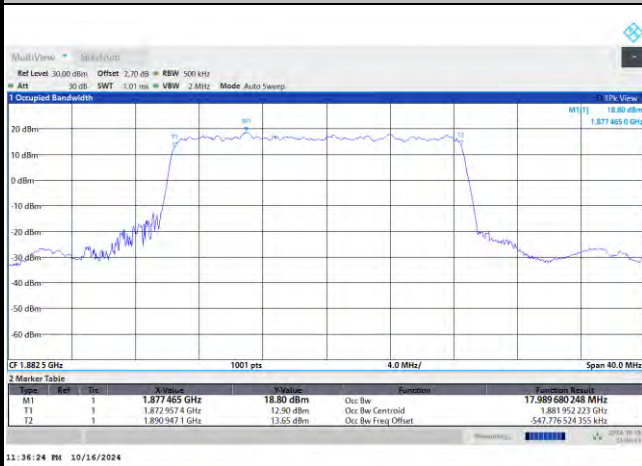
256QAM





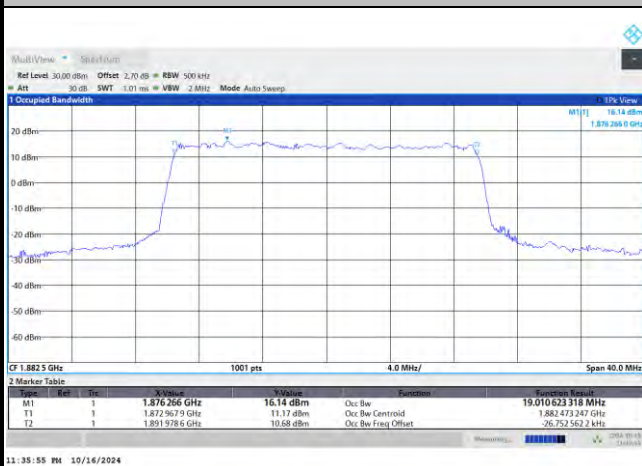
FR1 n25 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

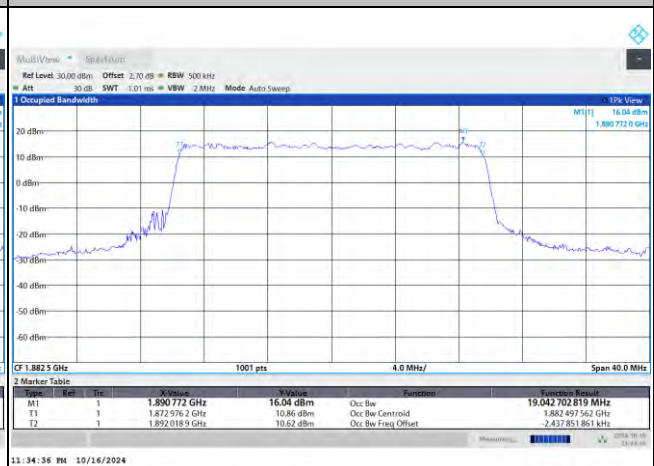


FR1 n25 / 20MHz / CP OFDM / Middle Channel / Full RB

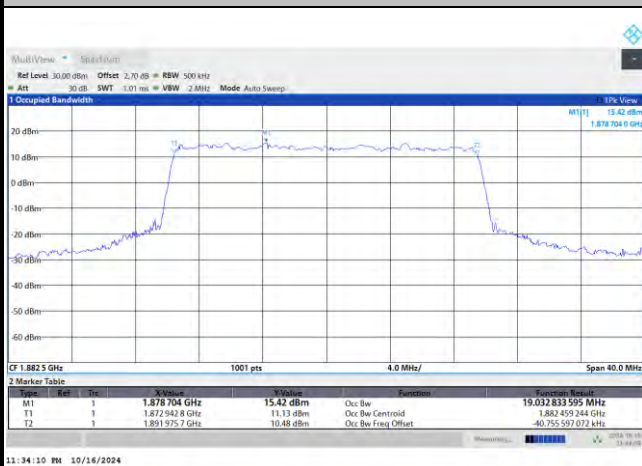
QPSK



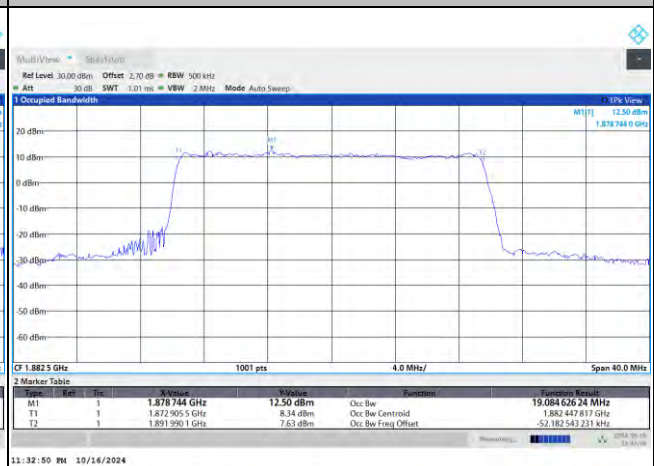
16QAM



64QAM



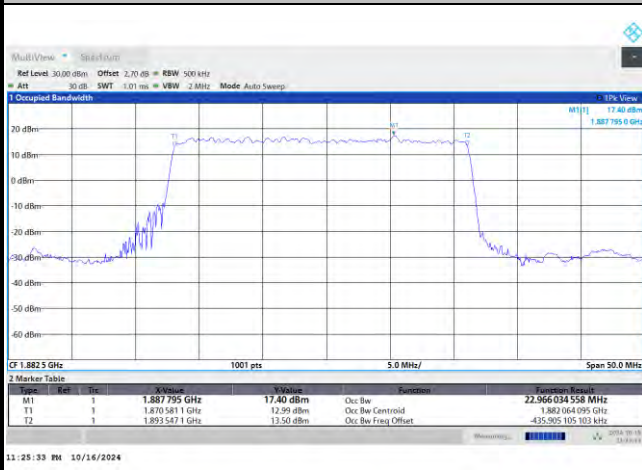
256QAM





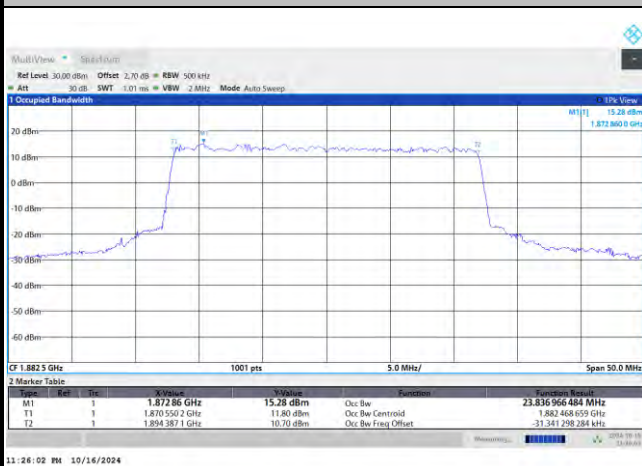
FR1 n25 / 25MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

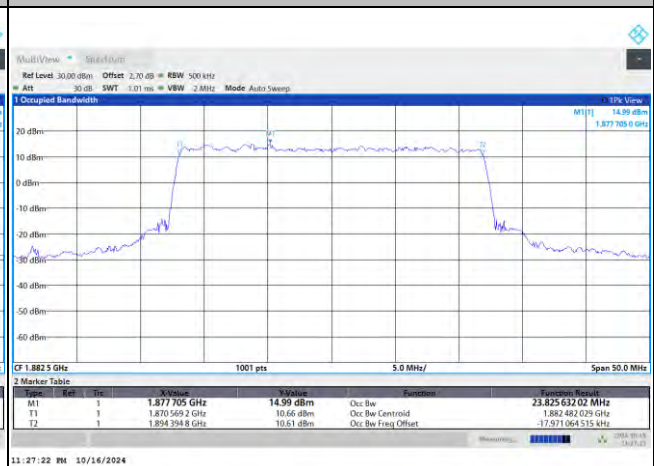


FR1 n25 / 25MHz / CP OFDM / Middle Channel / Full RB

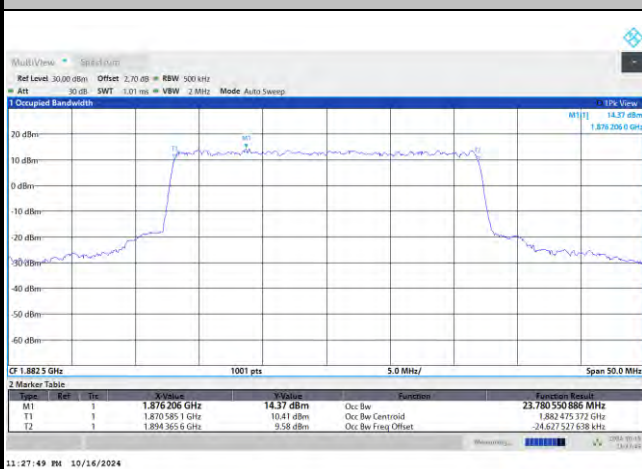
QPSK



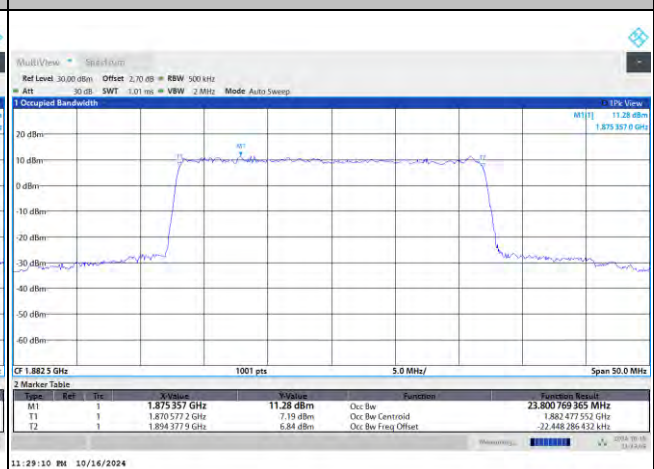
16QAM



64QAM



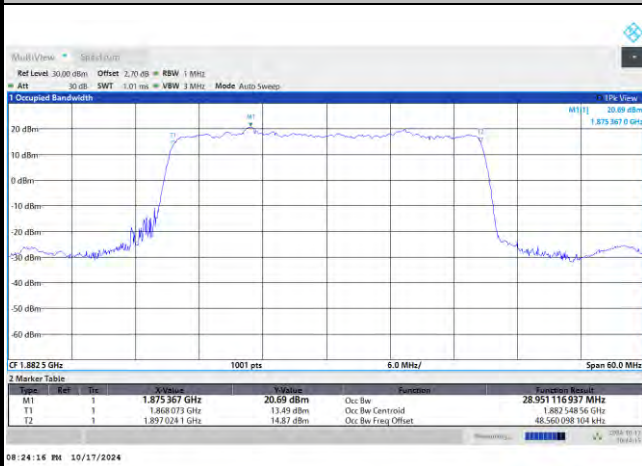
256QAM





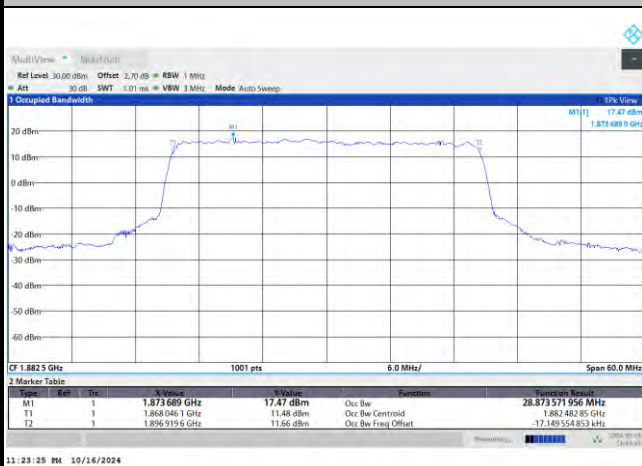
FR1 n25 / 30MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

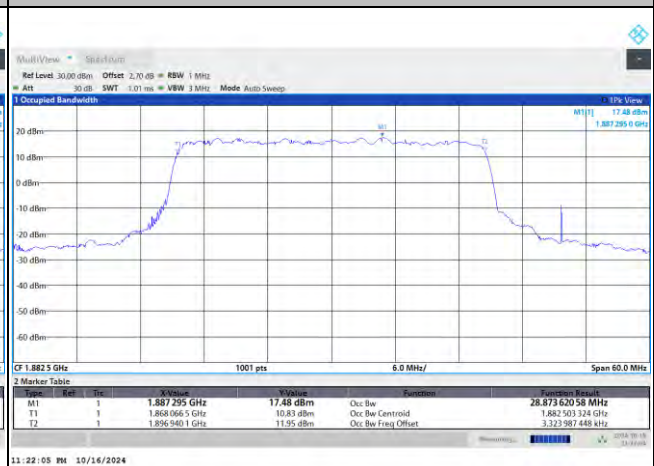


FR1 n25 / 30MHz / CP OFDM / Middle Channel / Full RB

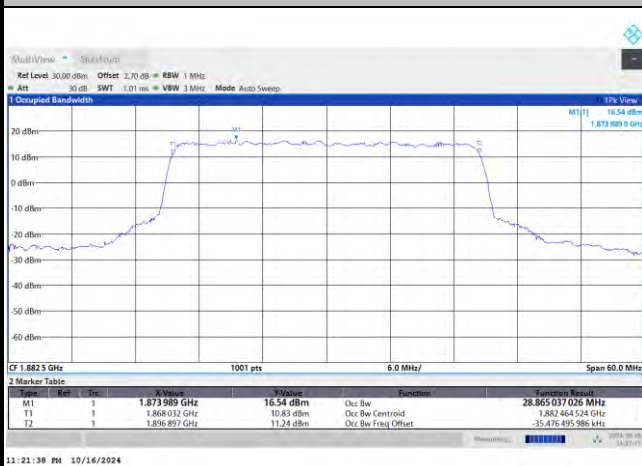
QPSK



16QAM



64QAM



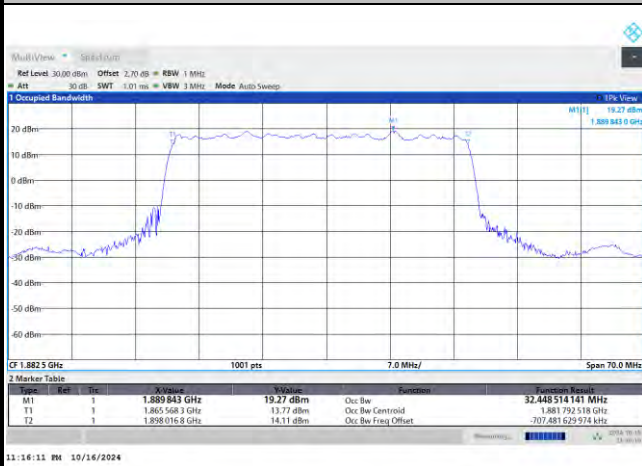
256QAM





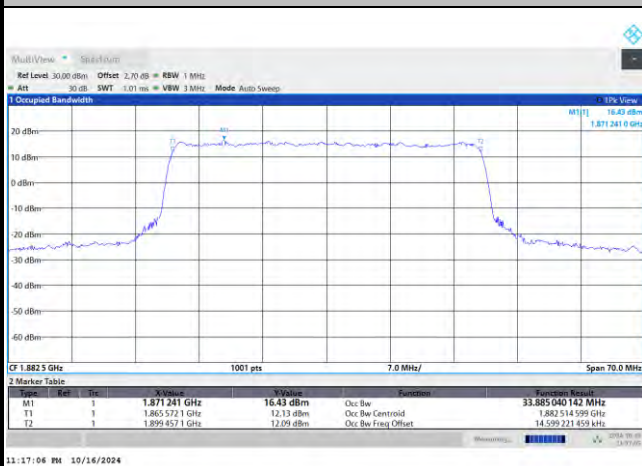
FR1 n25 / 35MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

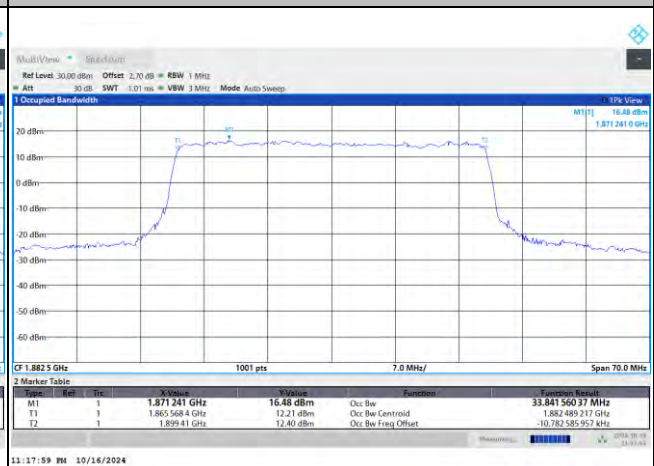


FR1 n25 / 35MHz / CP OFDM / Middle Channel / Full RB

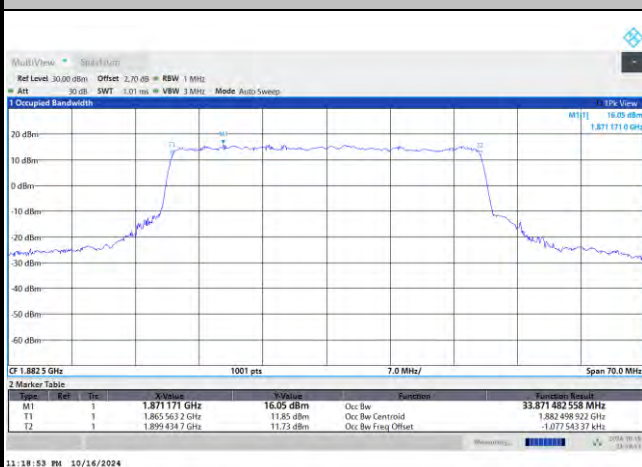
QPSK



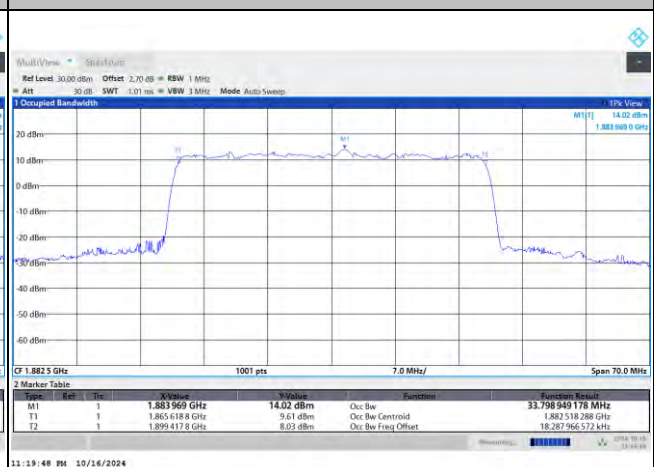
16QAM



64QAM



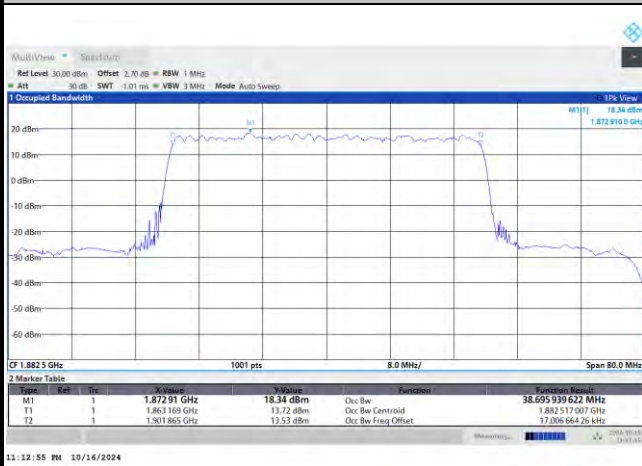
256QAM





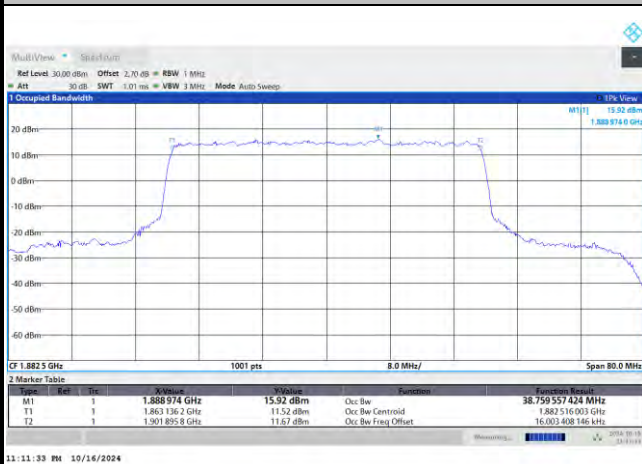
FR1 n25 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

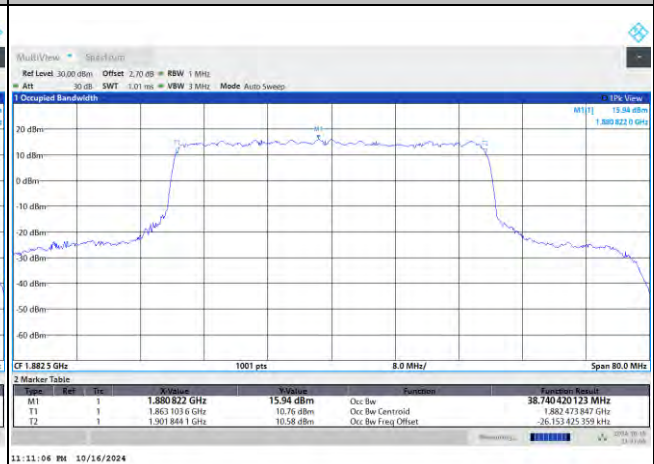


FR1 n25 / 40MHz / CP OFDM / Middle Channel / Full RB

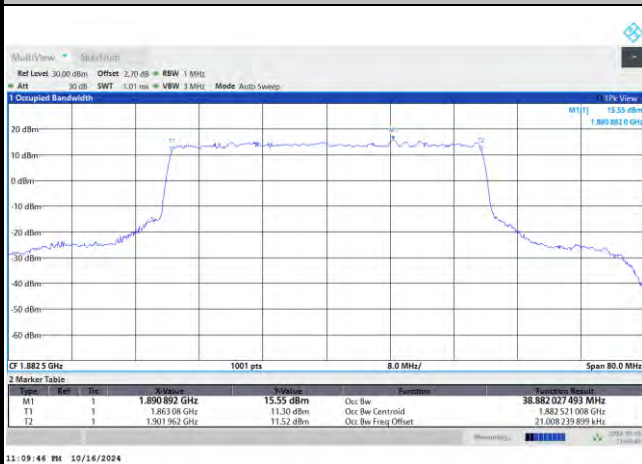
QPSK



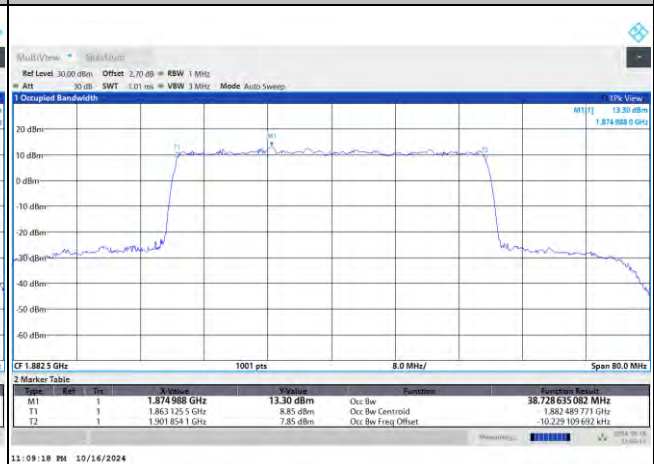
16QAM



64QAM



256QAM

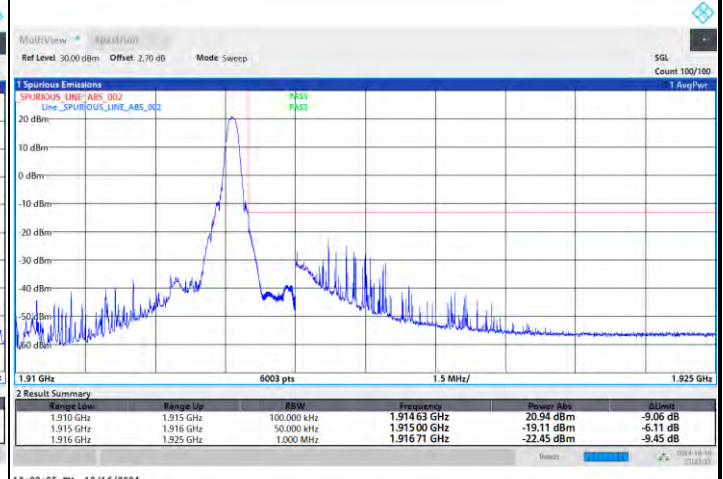
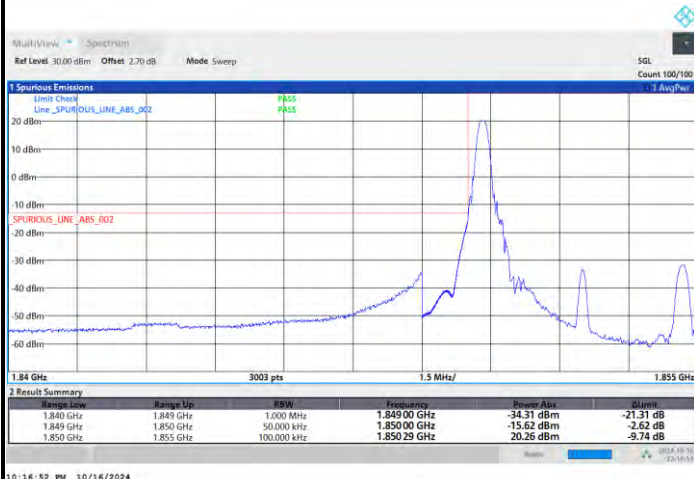


**Conducted Band Edge**

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

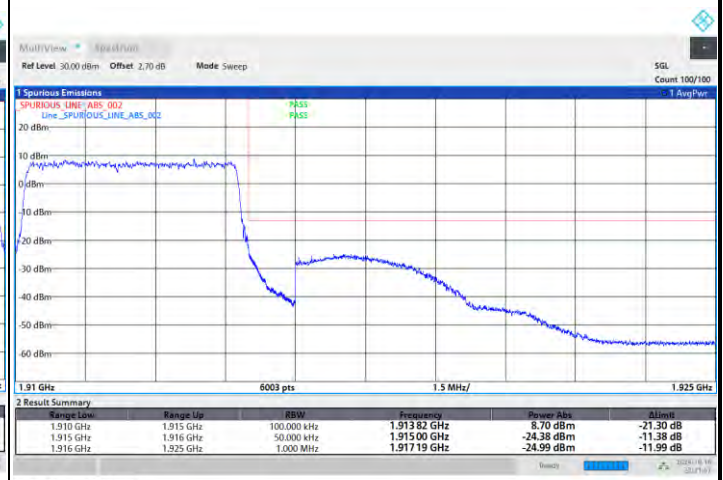
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

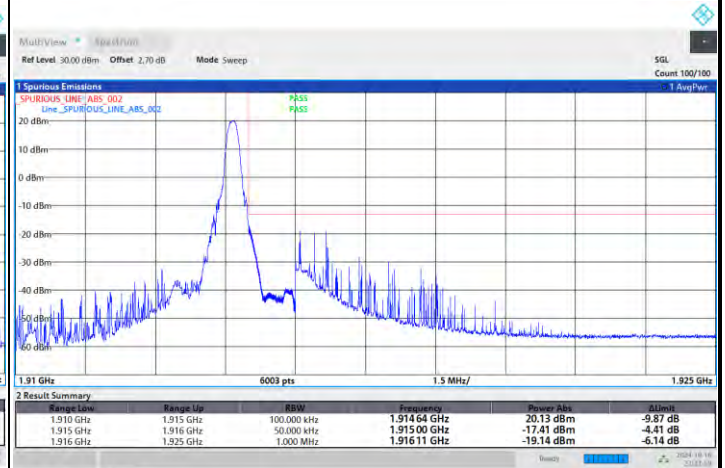
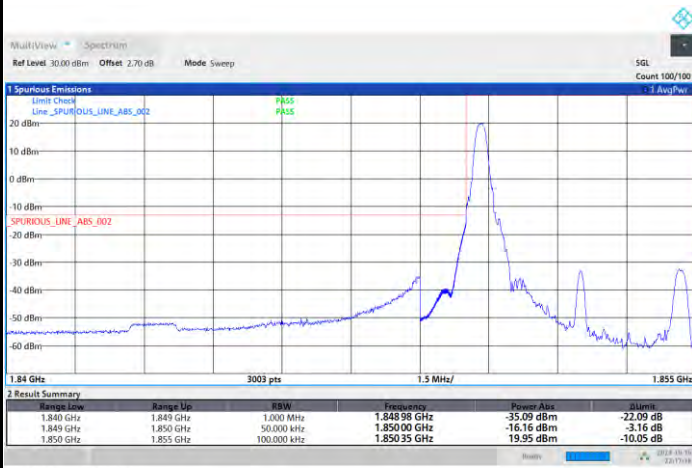




FR1 n25 / 5MHz / DFT-S OFDM / QPSK

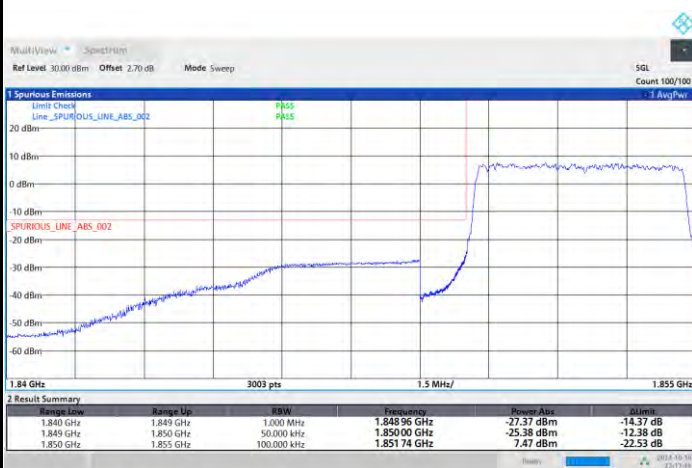
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

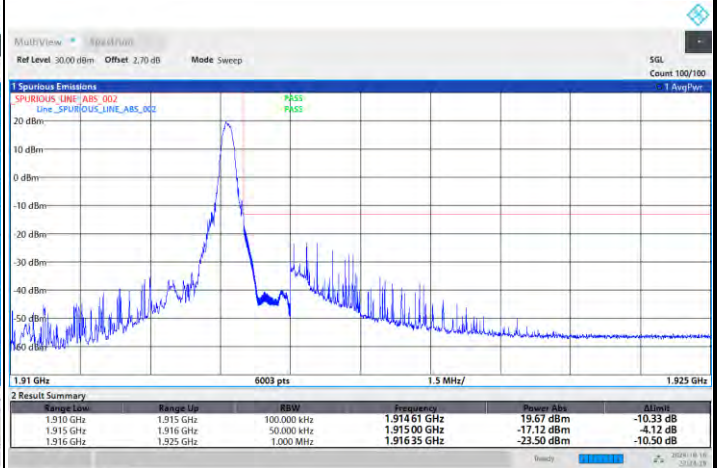
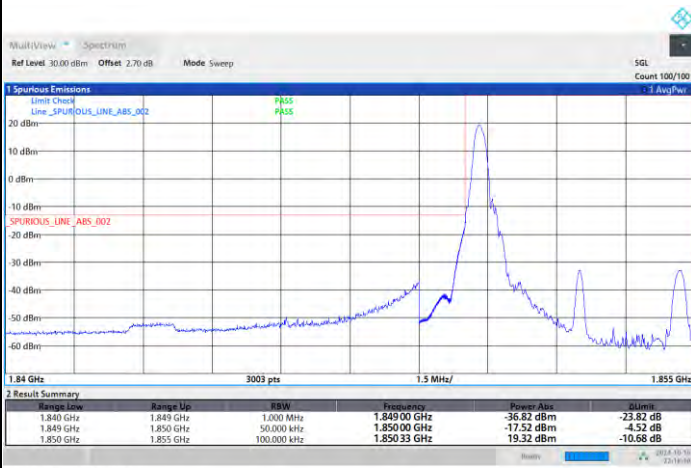




FR1 n25 / 5MHz / DFT-S OFDM / 16QAM

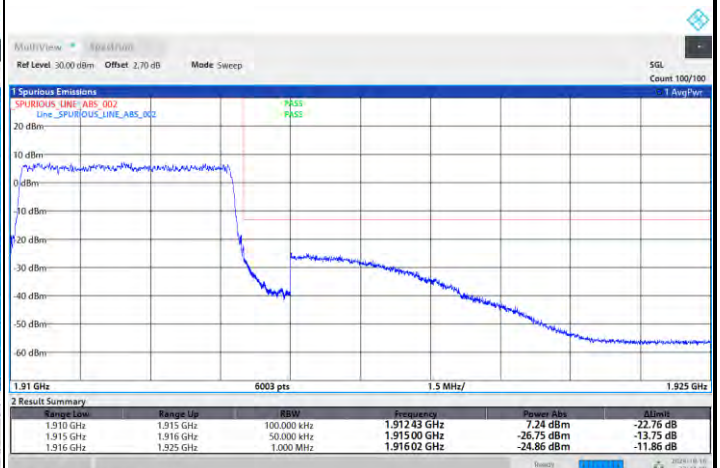
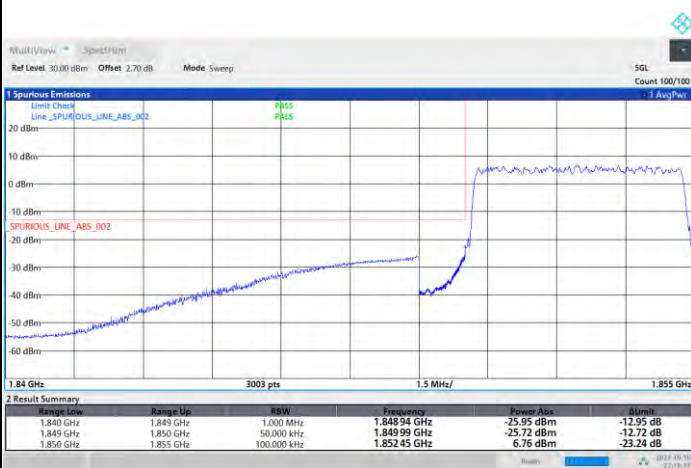
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

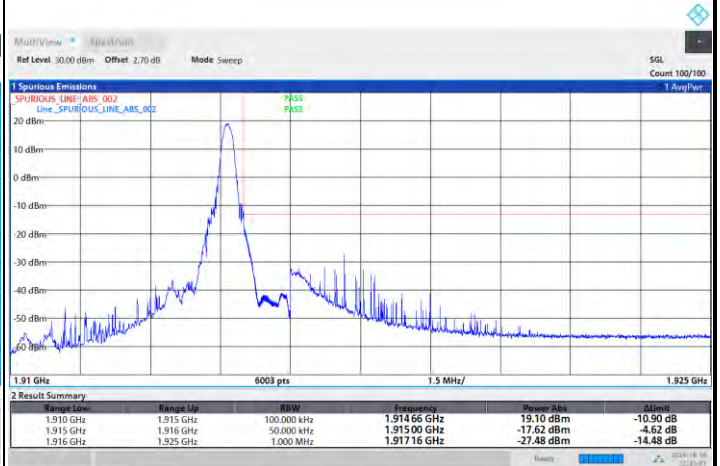
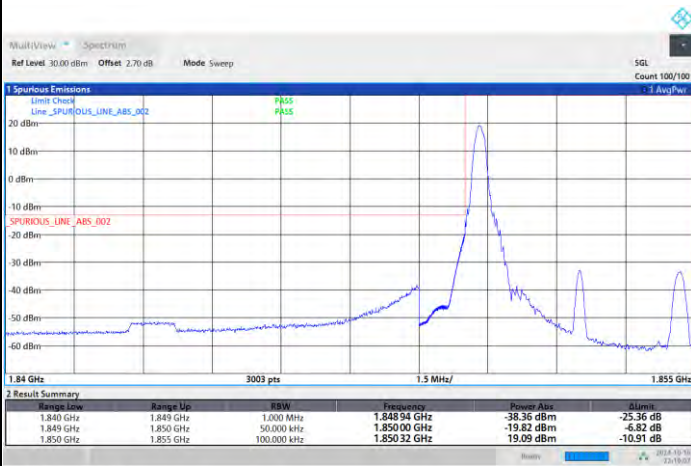




FR1 n25 / 5MHz / DFT-S OFDM / 64QAM

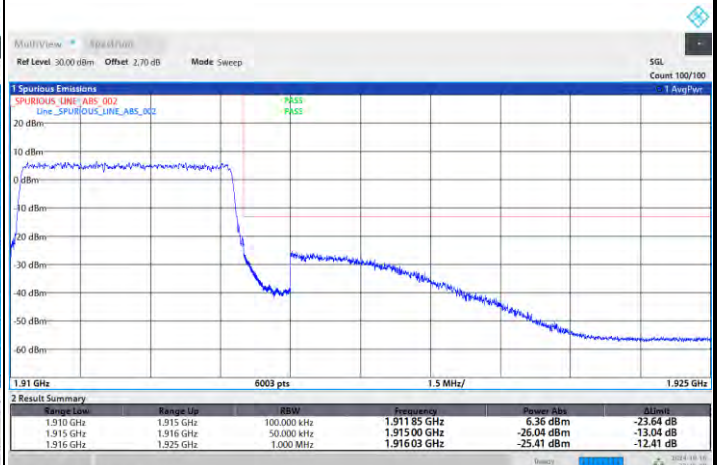
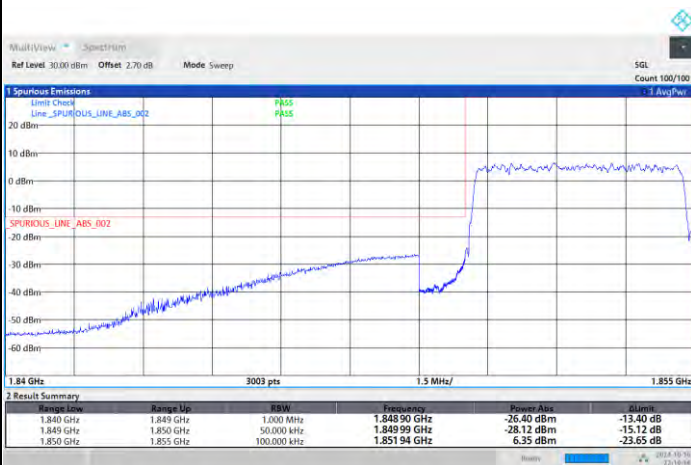
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

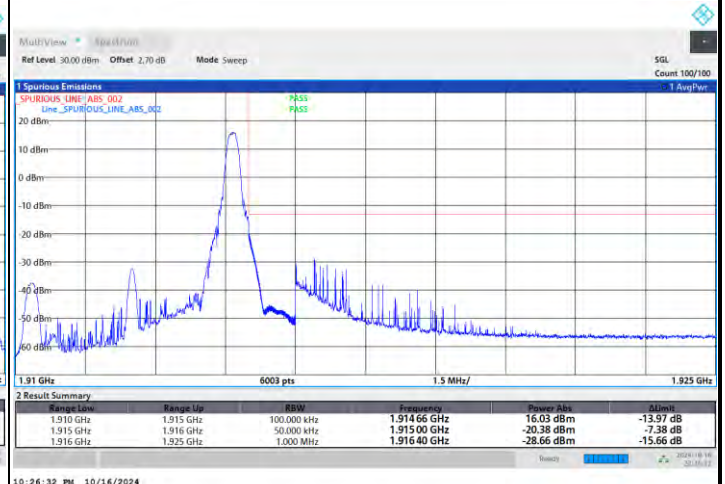
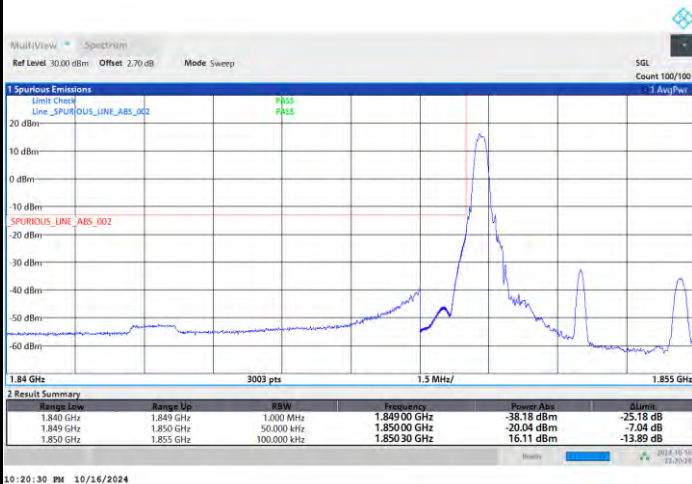




FR1 n25 / 5MHz / DFT-S OFDM / 256QAM

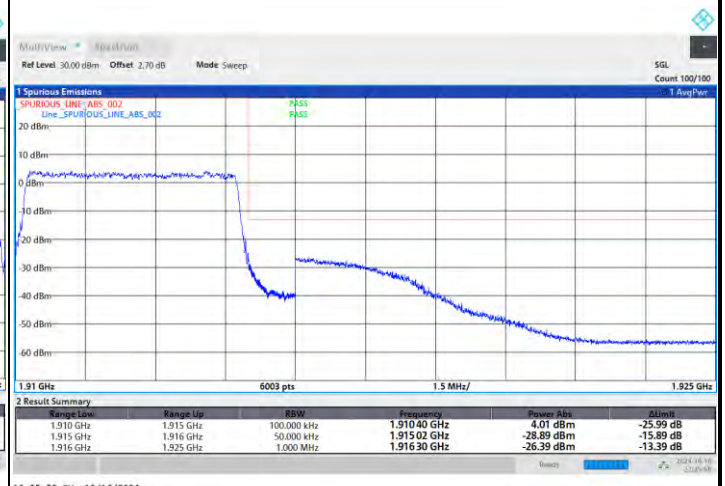
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB





FR1 n25 / 5MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge



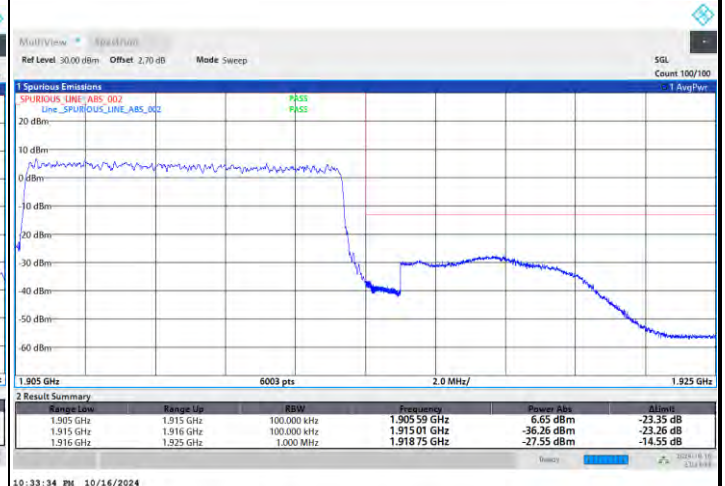


FR1 n25 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



FR1 n25 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





FR1 n25 / 10MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

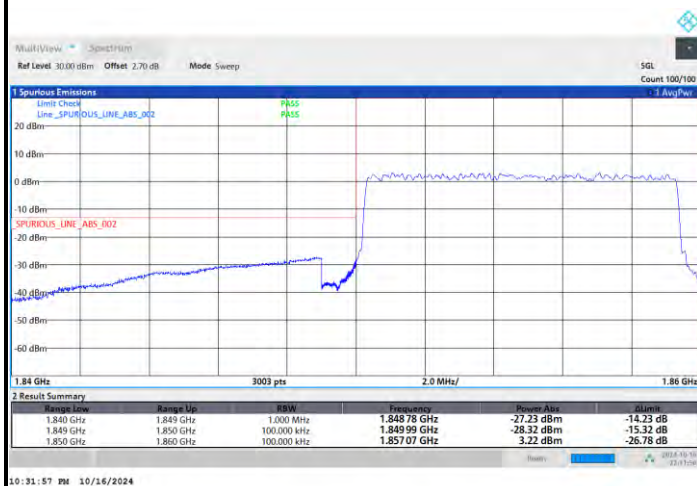


Highest Band Edge / Full RB

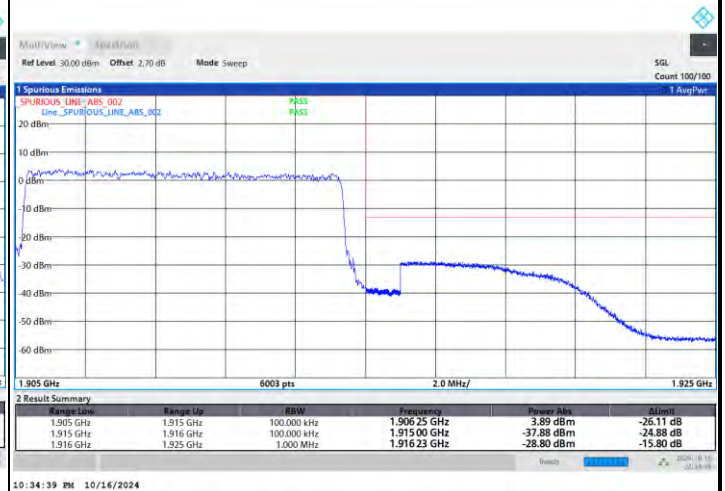


FR1 n25 / 10MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB



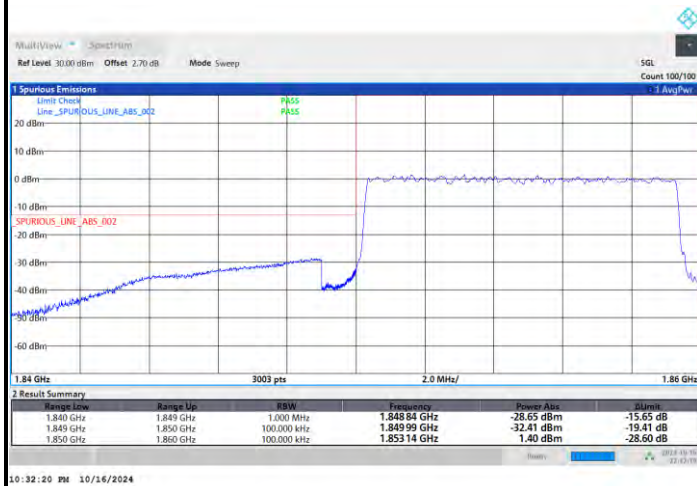
Highest Band Edge / Full RB



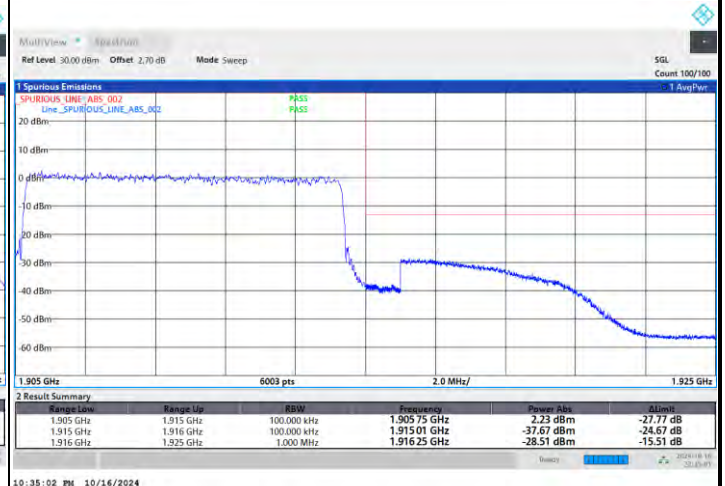


FR1 n25 / 10MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB

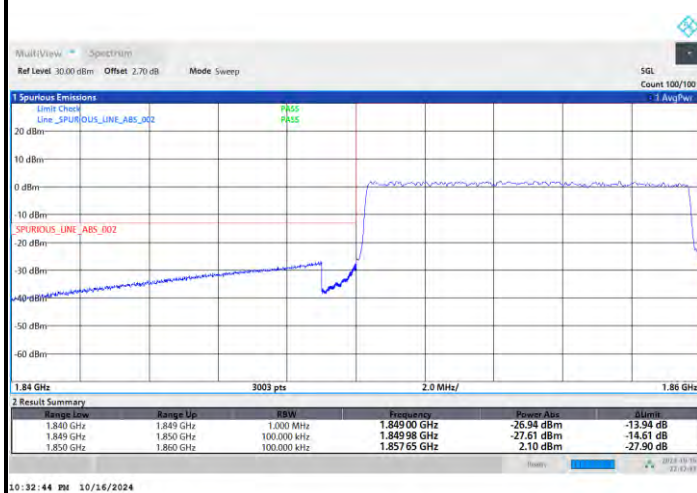


Highest Band Edge / Full RB

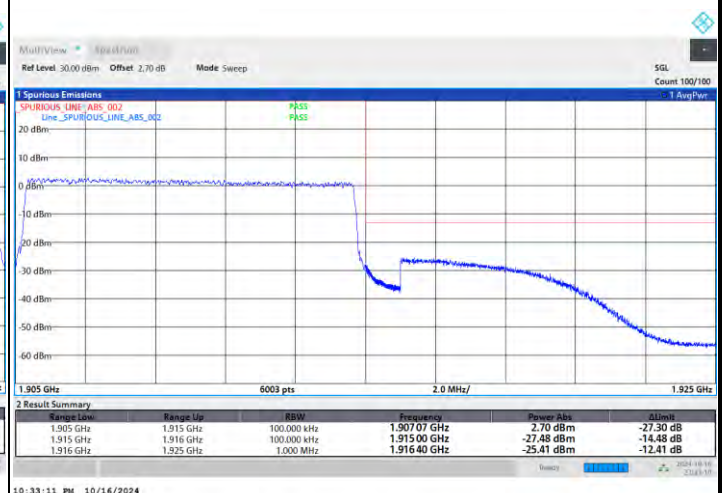


FR1 n25 / 10MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



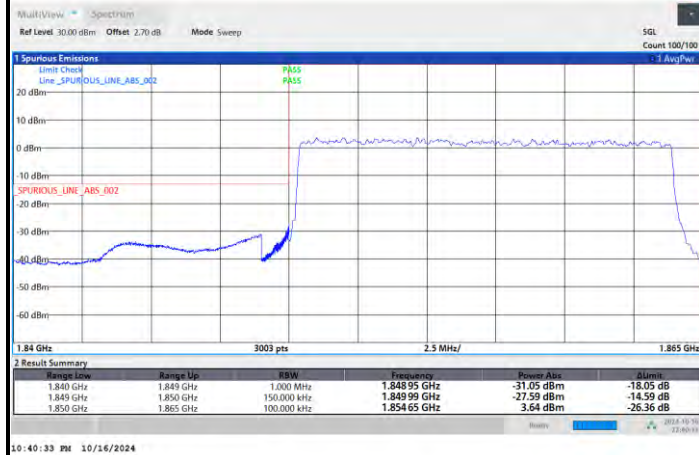
Highest Band Edge



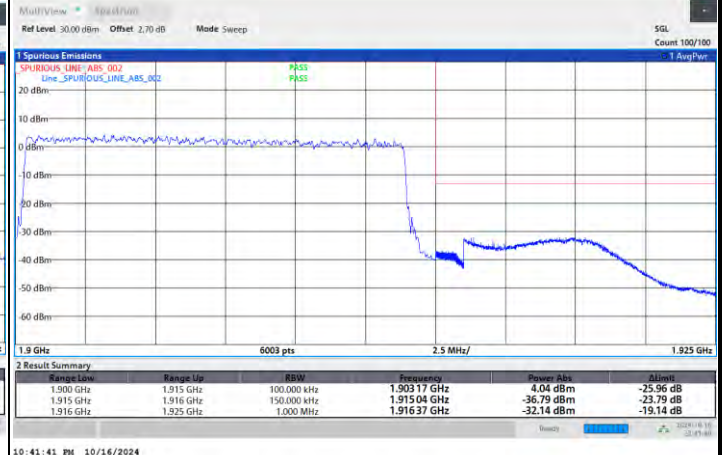


FR1 n25 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

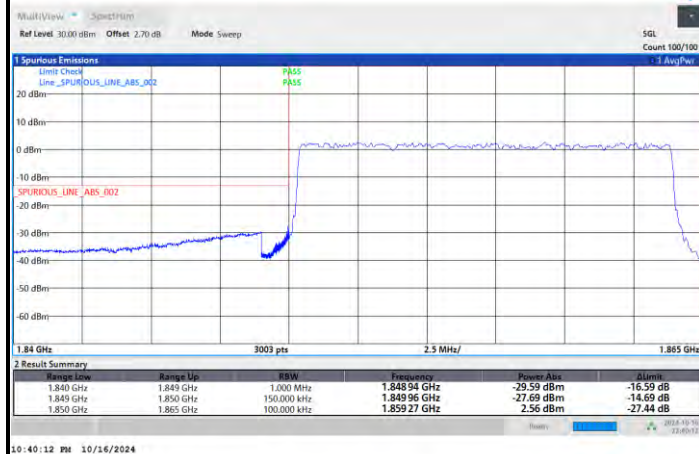


Highest Band Edge / Full RB

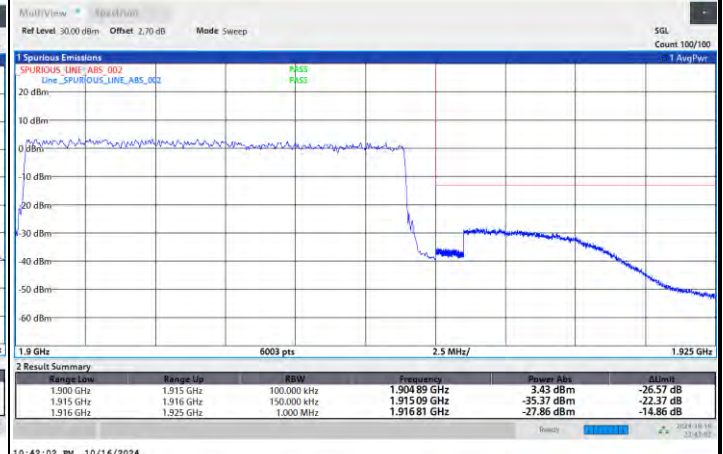


FR1 n25 / 15MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



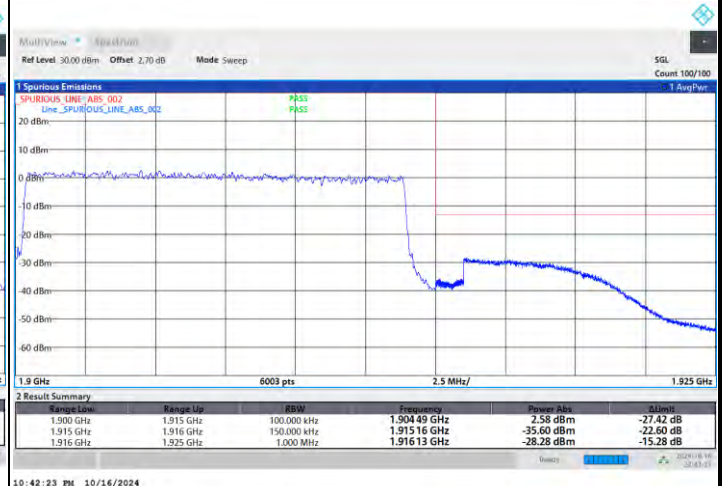


FR1 n25 / 15MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

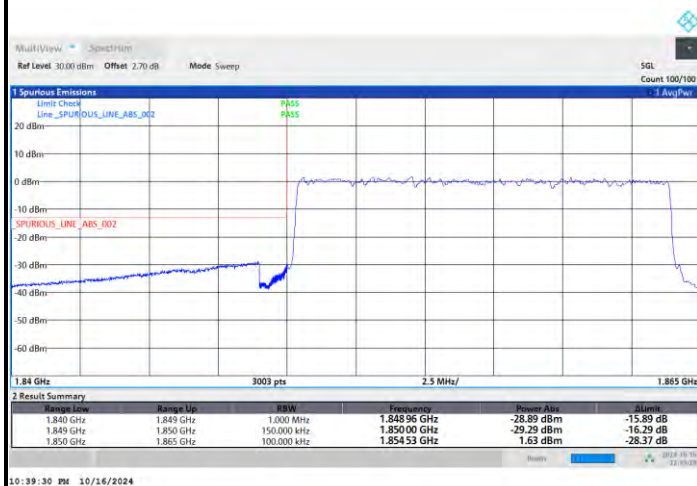


Highest Band Edge / Full RB



FR1 n25 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





FR1 n25 / 15MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB

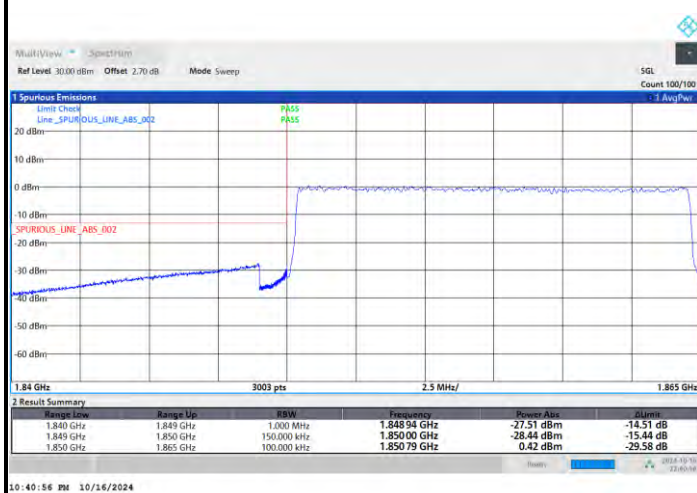


Highest Band Edge / Full RB

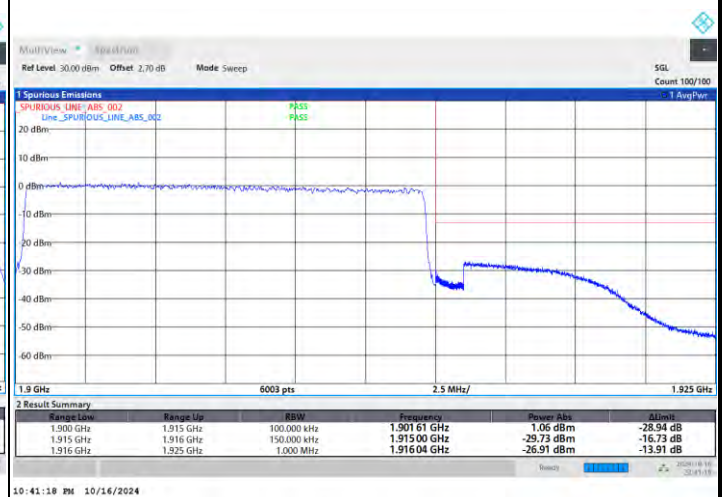


FR1 n25 / 15MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge



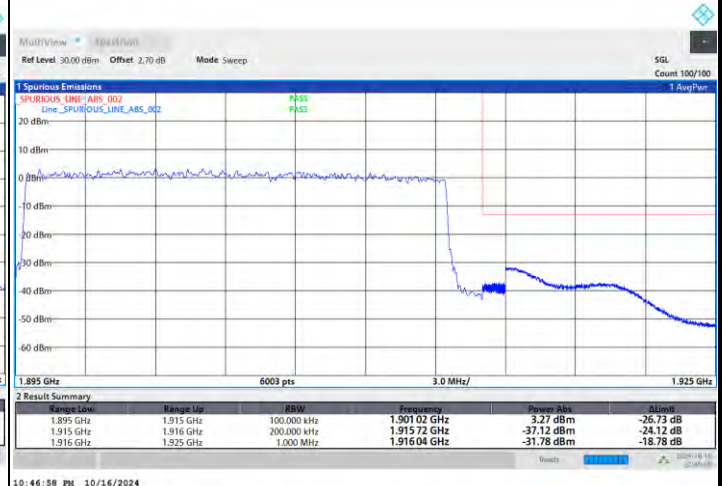


FR1 n25 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

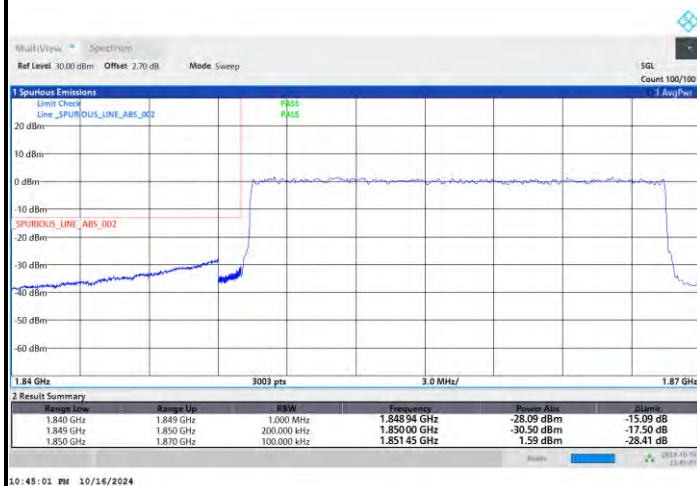


Highest Band Edge / Full RB



FR1 n25 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





FR1 n25 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

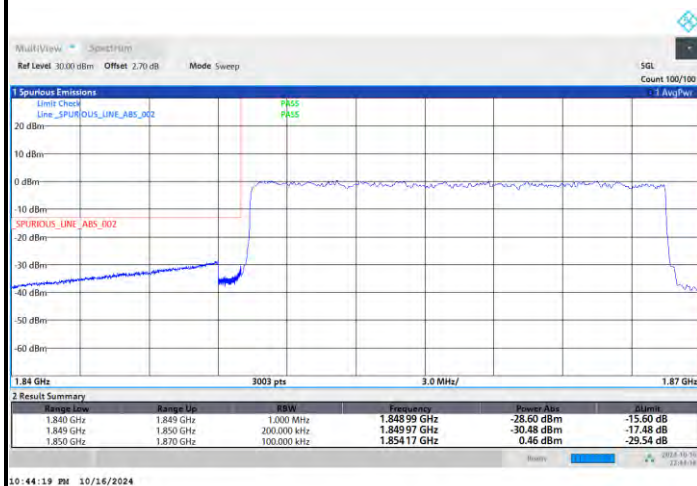


Highest Band Edge / Full RB



FR1 n25 / 20MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





FR1 n25 / 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

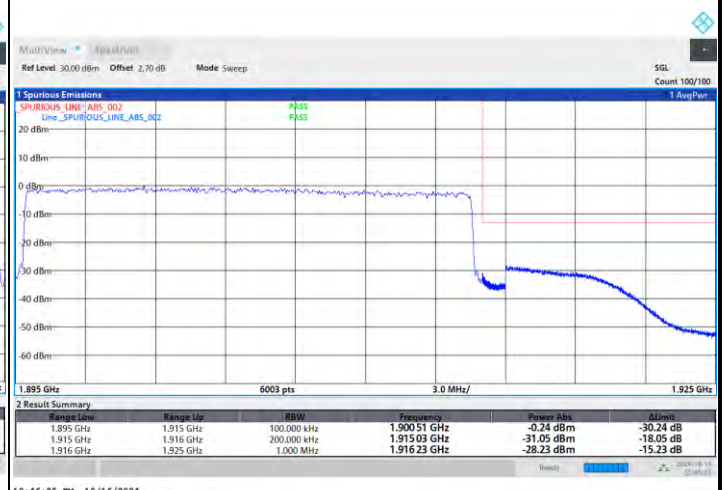


FR1 n25 / 20MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



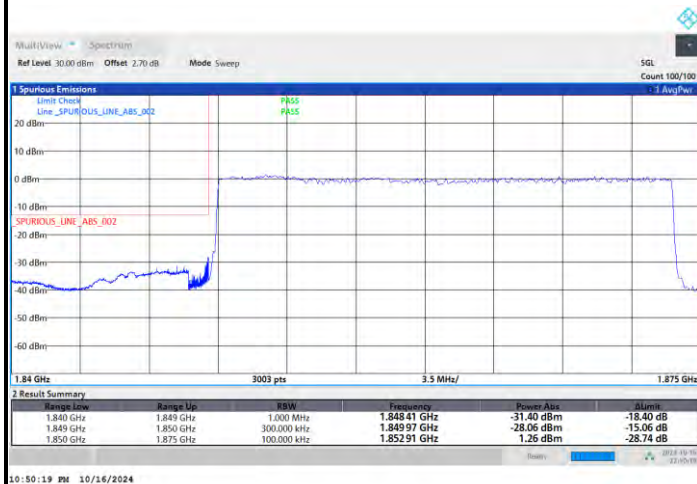
Highest Band Edge



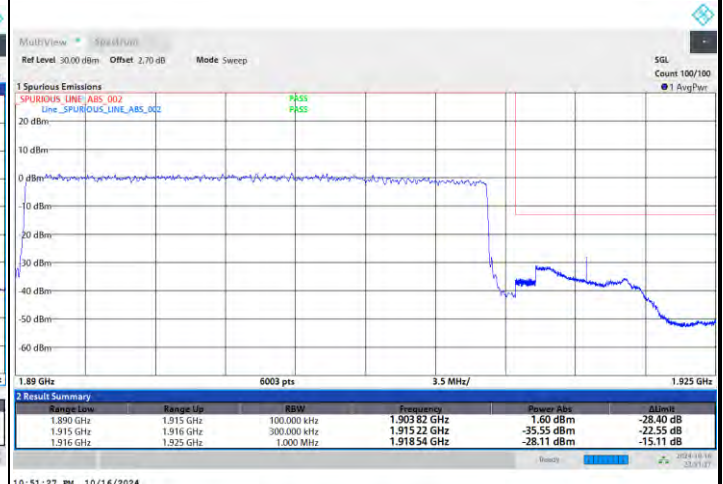


FR1 n25 / 25MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

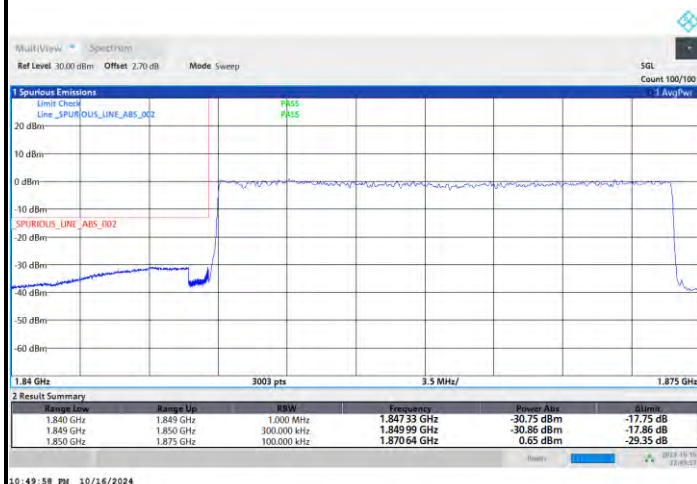


Highest Band Edge / Full RB



FR1 n25 / 25MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





FR1 n25 / 25MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

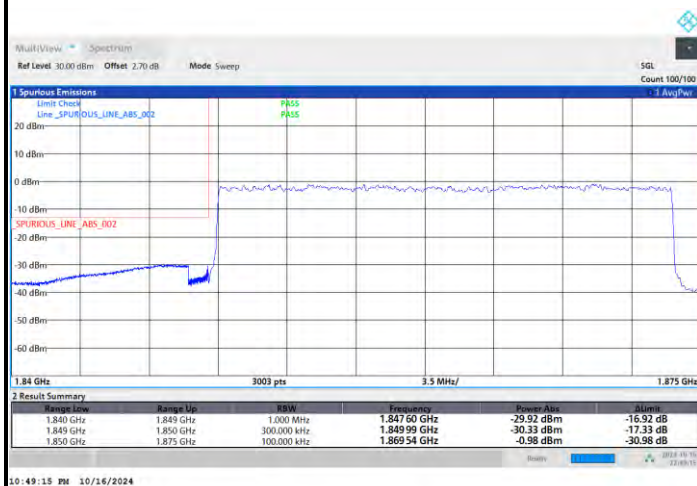


Highest Band Edge / Full RB



FR1 n25 / 25MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

