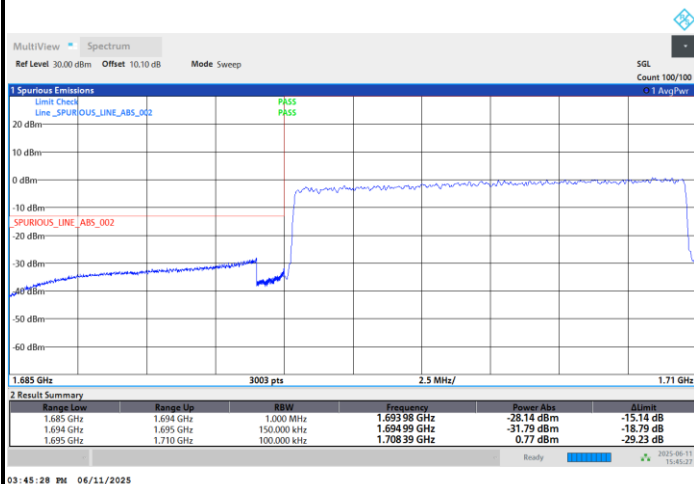


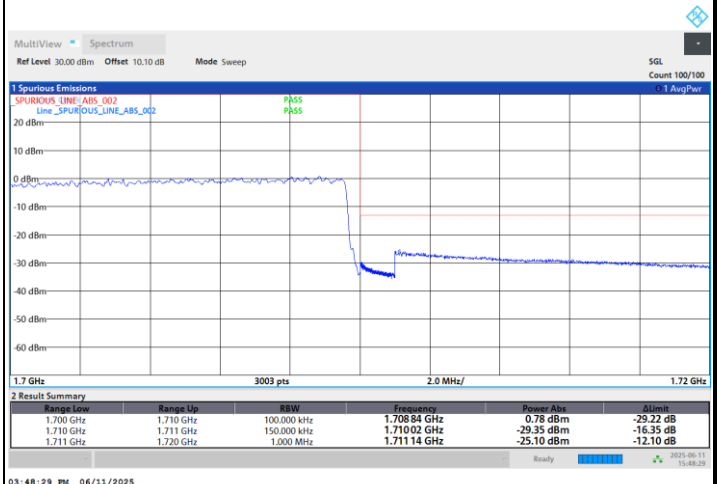


FR1 n70 / 15MHz / CP OFDM / 64QAM / Full RB

Lowest Band Edge

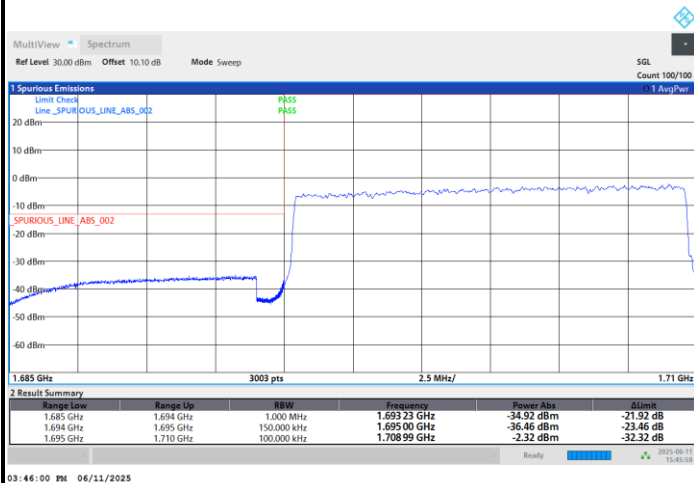


Highest Band Edge

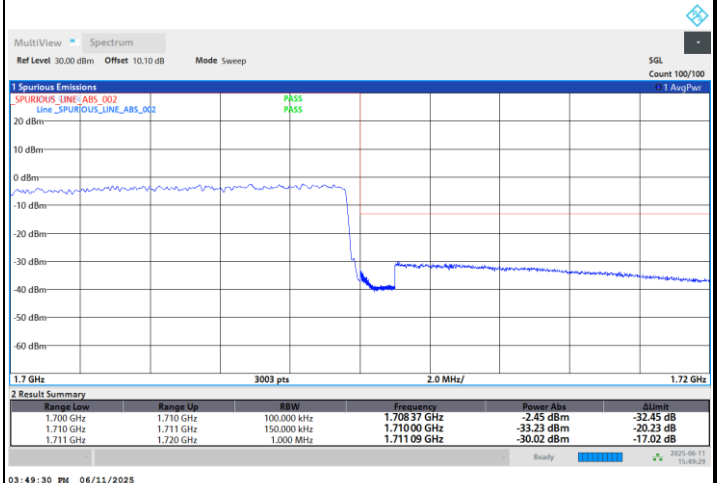


FR1 n70 / 15MHz / CP OFDM / 256QAM / Full RB

Lowest Band Edge



Highest Band Edge

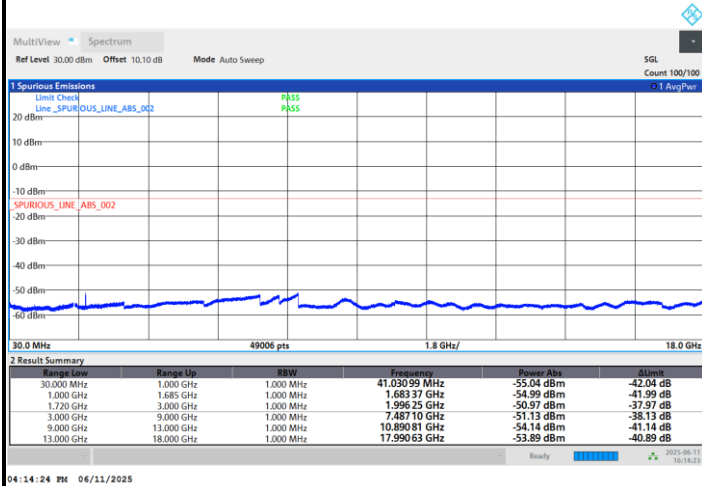




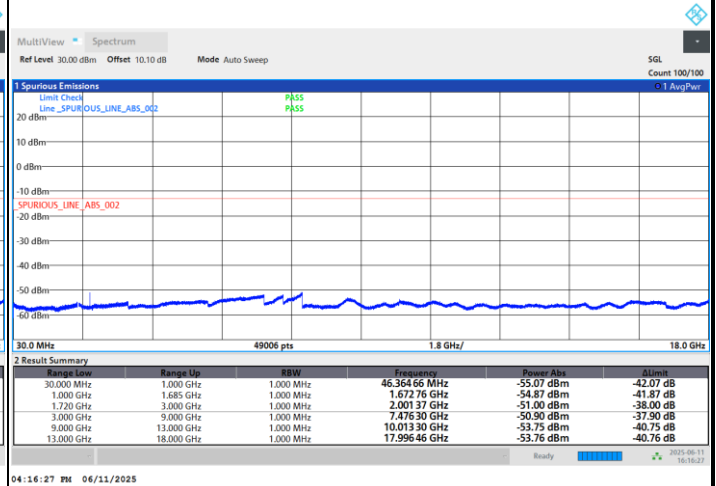
Conducted Spurious Emission

FR1 n70 / 5MHz / CP OFDM / QPSK / 1RB1

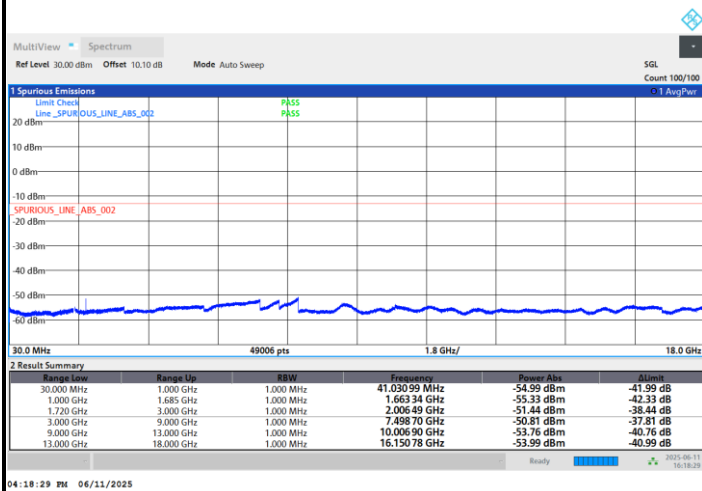
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n70 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0043	PASS
40	Normal Voltage	0.0034	
30	Normal Voltage	0.0033	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0068	
0	Normal Voltage	0.0062	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0056	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0068	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

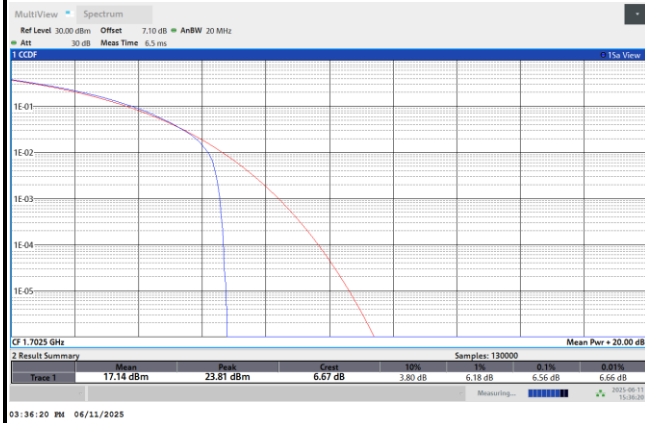
**FR1 n70****MIMO <Ant. 0+2> (Ant. 2)****Peak-to-Average Ratio**

Mode	FR1 n70 / 15MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	6.56	6.60	7.12	8.26	PASS

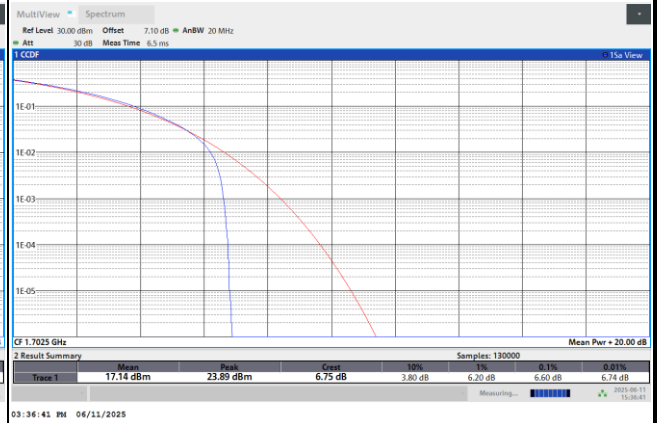


FR1 n70 / 15MHz / CP OFDM / Middle Channel / Full RB

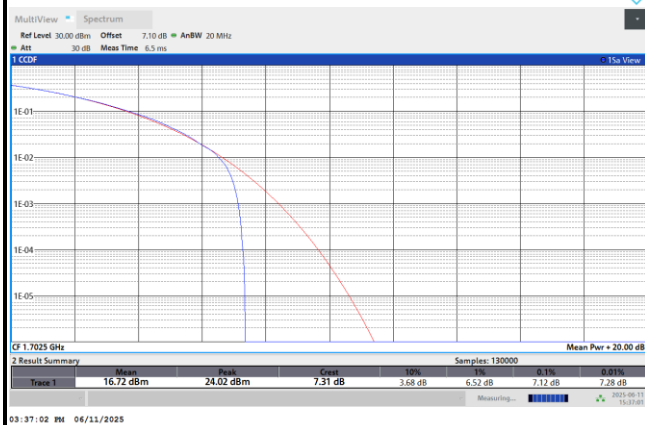
QPSK



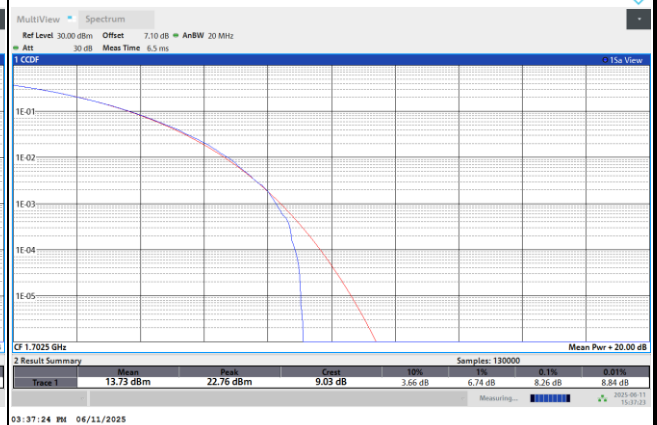
16QAM



64QAM



256QAM



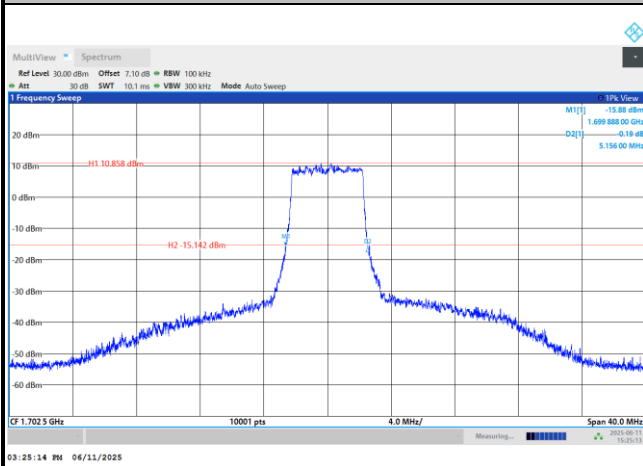
**26dB Bandwidth**

Mode	FR1 n70 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	5.15	5.31	10.17	10.22	15.33	15.19		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	5.10	5.12	10.25	10.28	15.21	15.29		

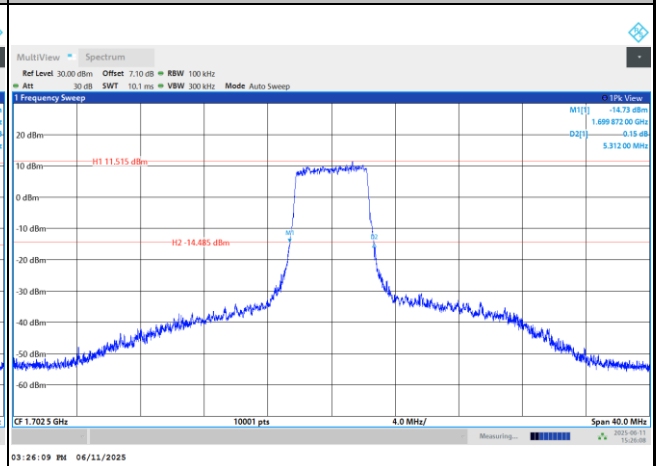


FR1 n70 / 5MHz / CP OFDM / Middle Channel / Full RB

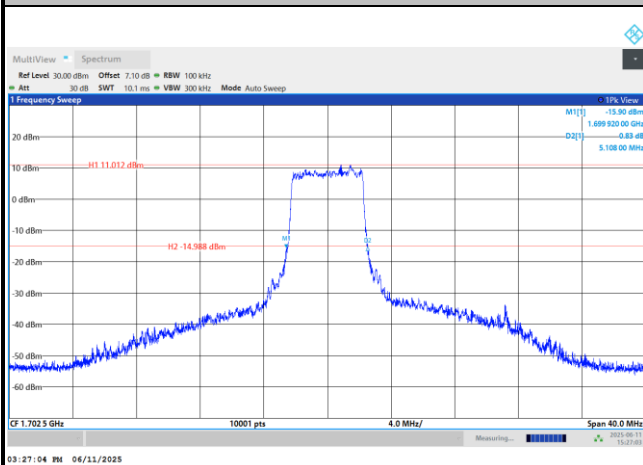
QPSK



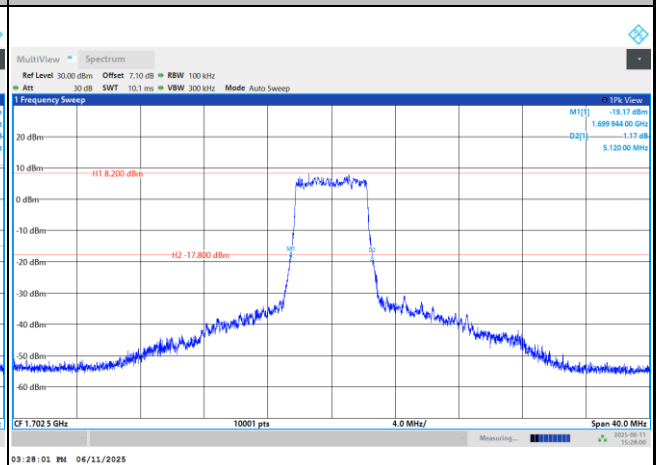
16QAM



64QAM



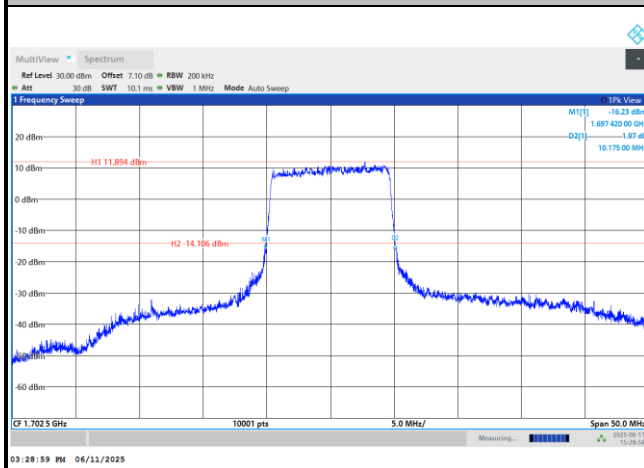
256QAM



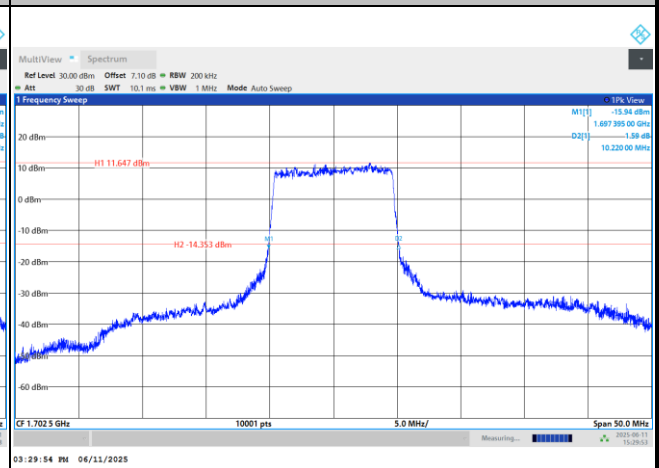


FR1 n70 / 10MHz / CP OFDM / Middle Channel / Full RB

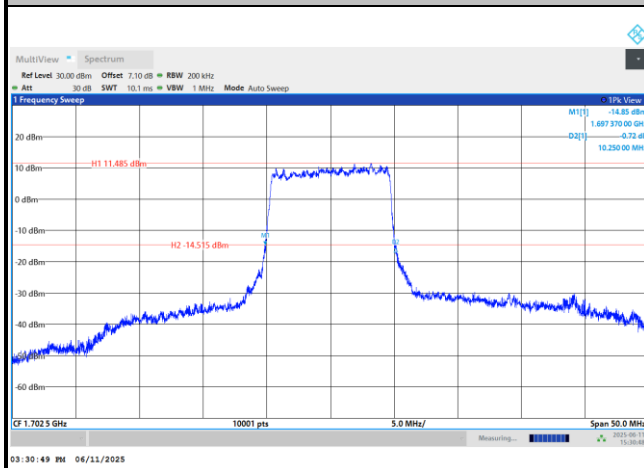
QPSK



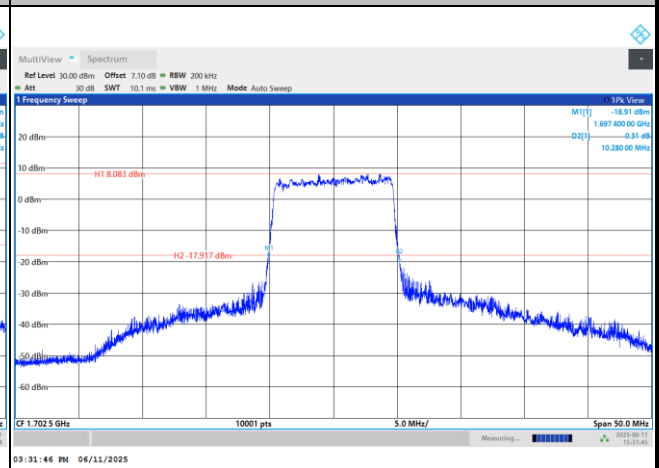
16QAM



64QAM



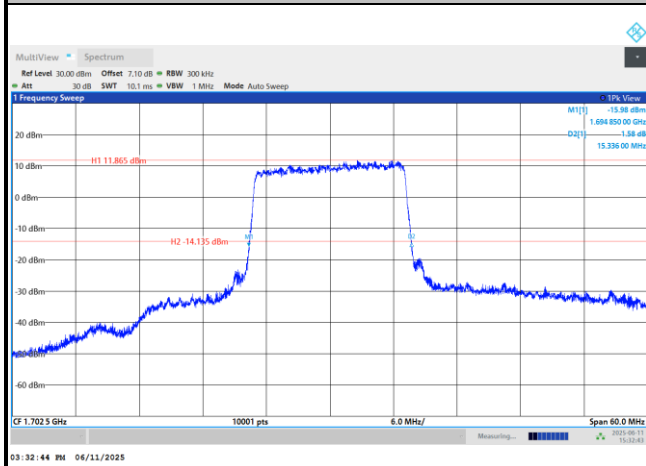
256QAM



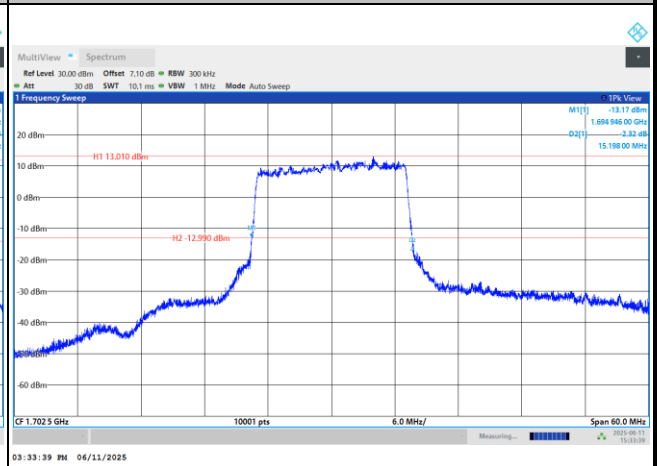


FR1 n70 / 15MHz / CP OFDM / Middle Channel / Full RB

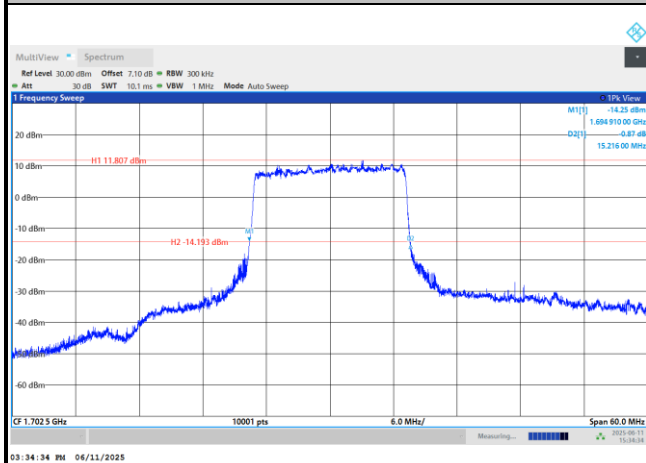
QPSK



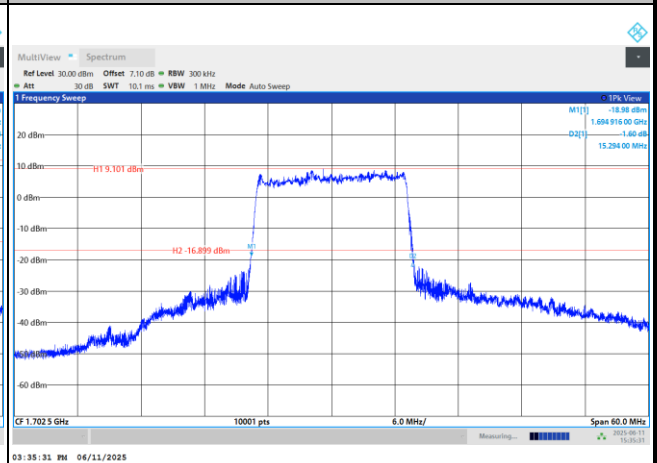
16QAM



64QAM



256QAM



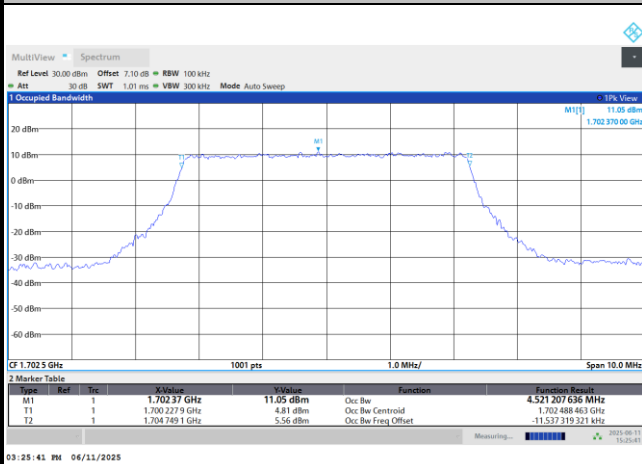
**Occupied Bandwidth**

Mode	FR1 n70 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	4.52	4.55	9.31	9.32	14.14	14.14		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	4.48	4.49	9.33	9.33	14.20	14.13		

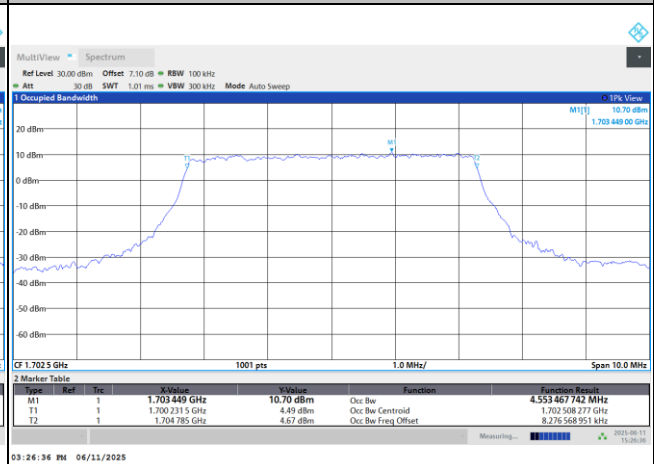


FR1 n70 / 5MHz / CP OFDM / Middle Channel / Full RB

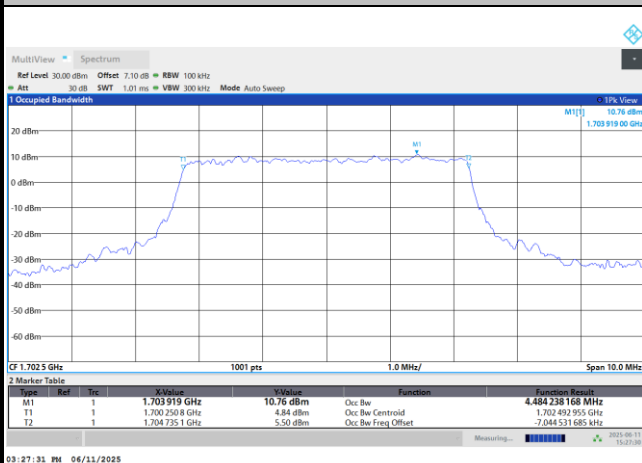
QPSK



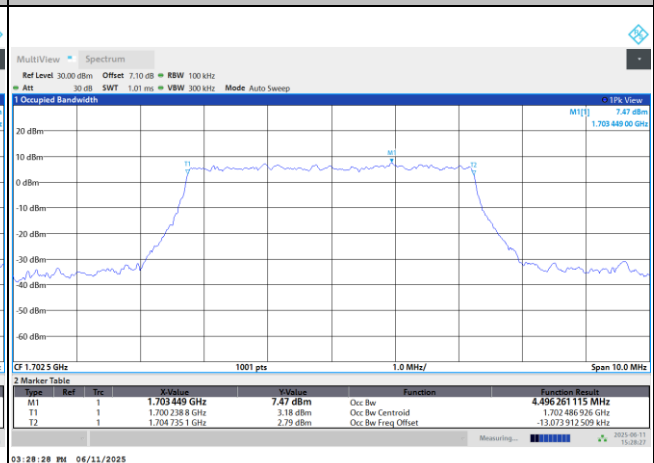
16QAM



64QAM



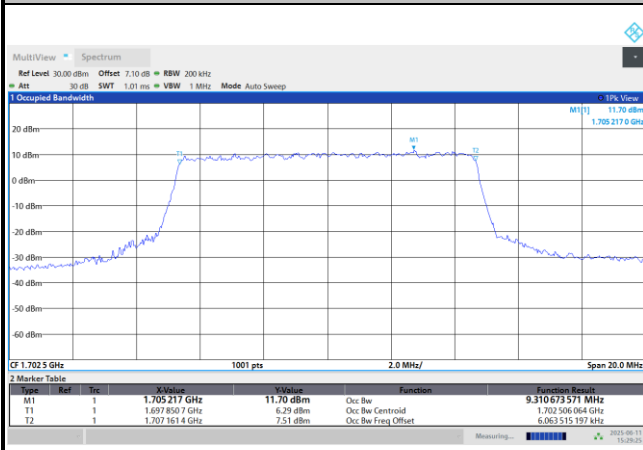
256QAM



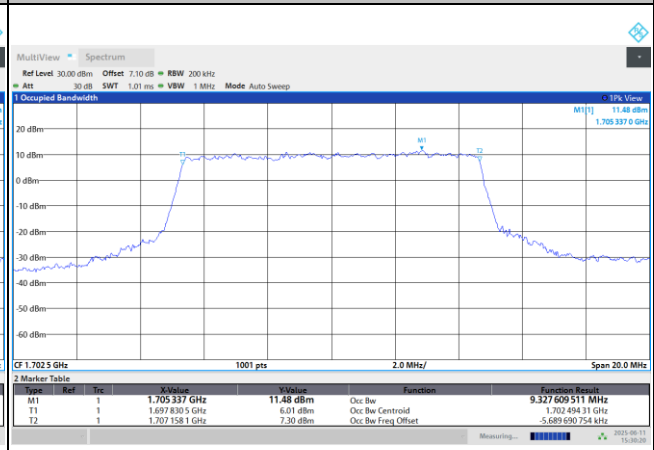


FR1 n70 / 10MHz / CP OFDM / Middle Channel / Full RB

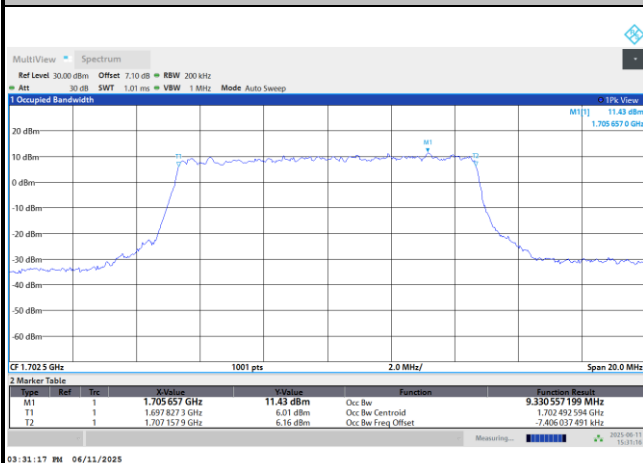
QPSK



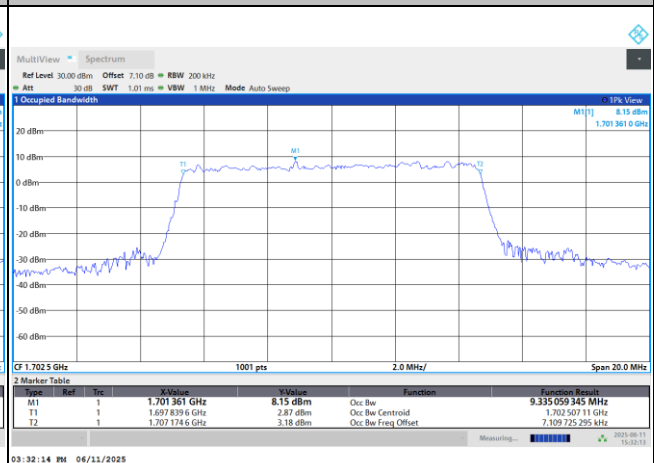
16QAM



64QAM



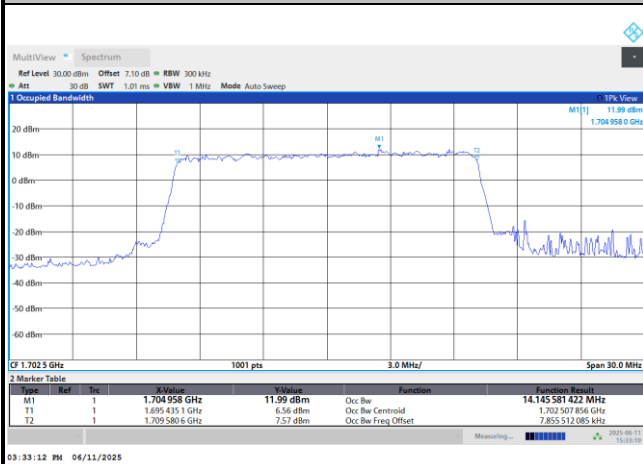
256QAM



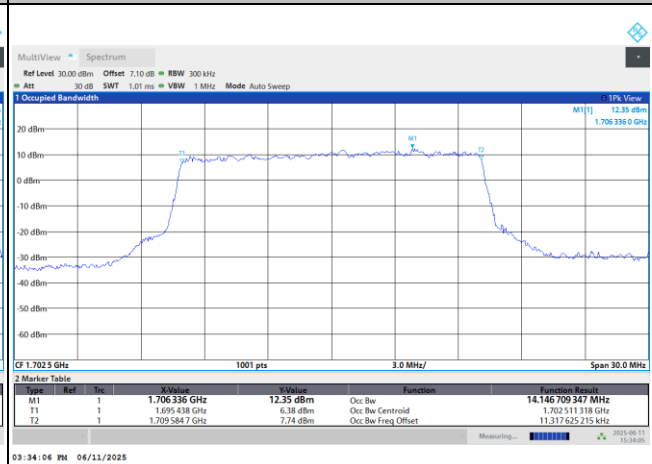


FR1 n70 / 15MHz / CP OFDM / Middle Channel / Full RB

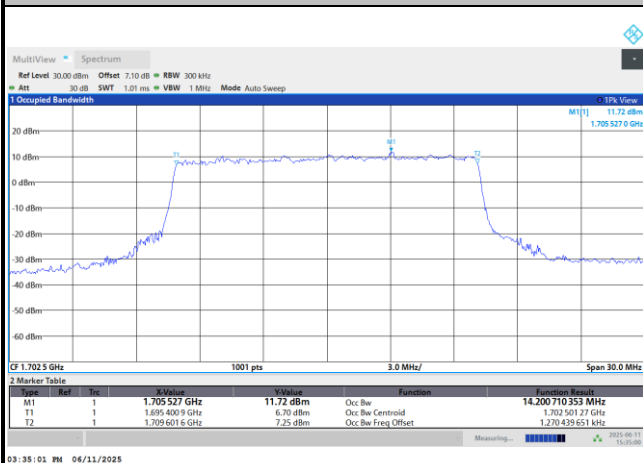
QPSK



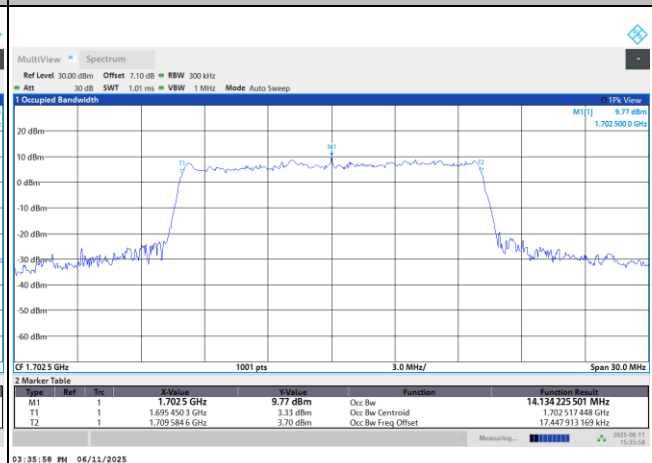
16QAM



64QAM



256QAM



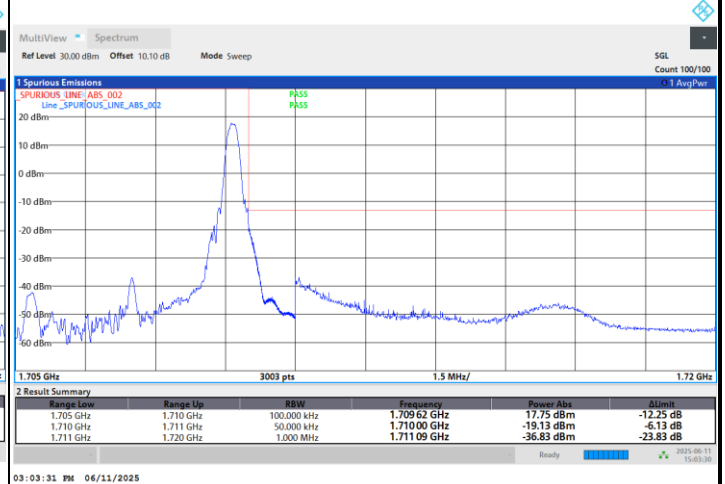
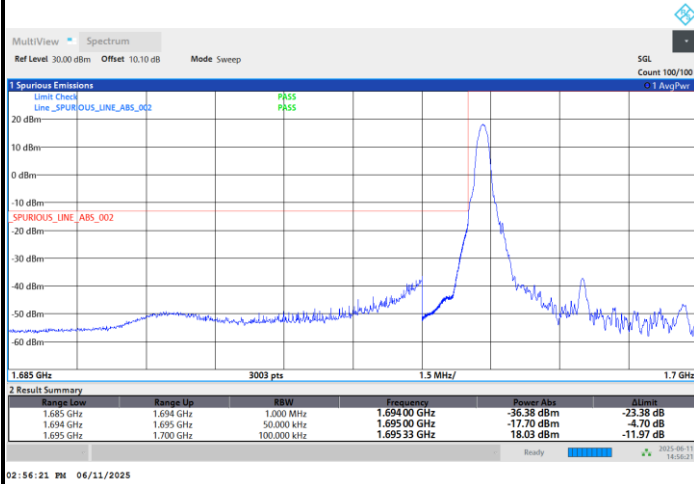


Conducted Band Edge

FR1 n70 / 5MHz / CP OFDM / QPSK

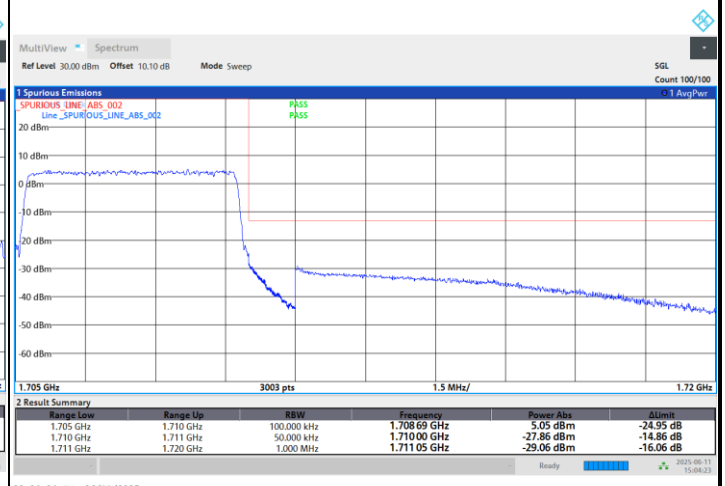
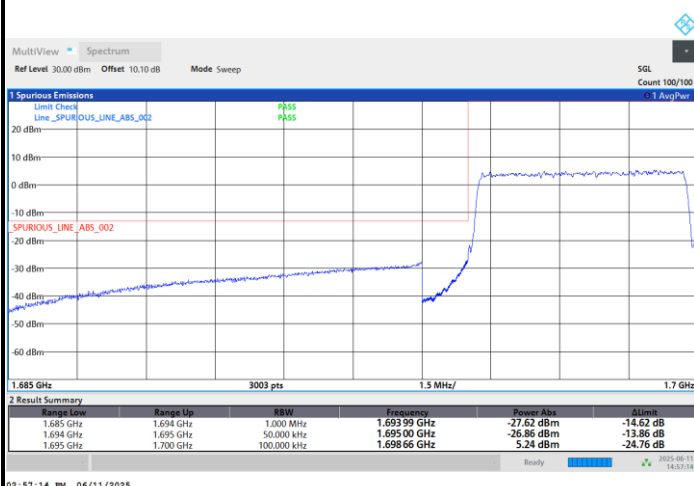
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

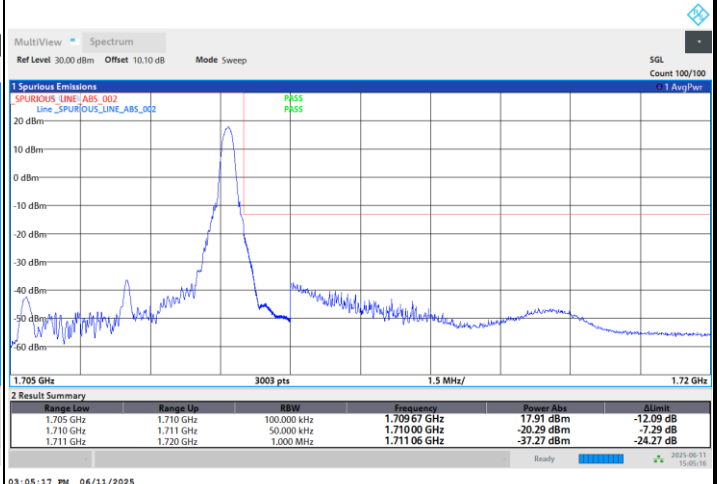
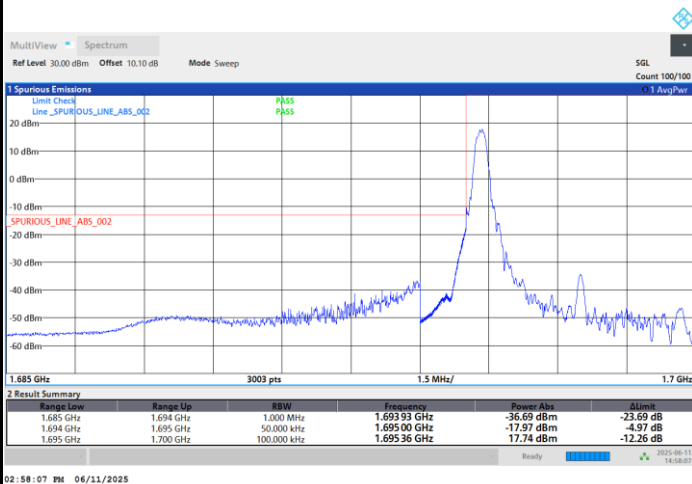




FR1 n70 / 5MHz / CP OFDM / 16QAM

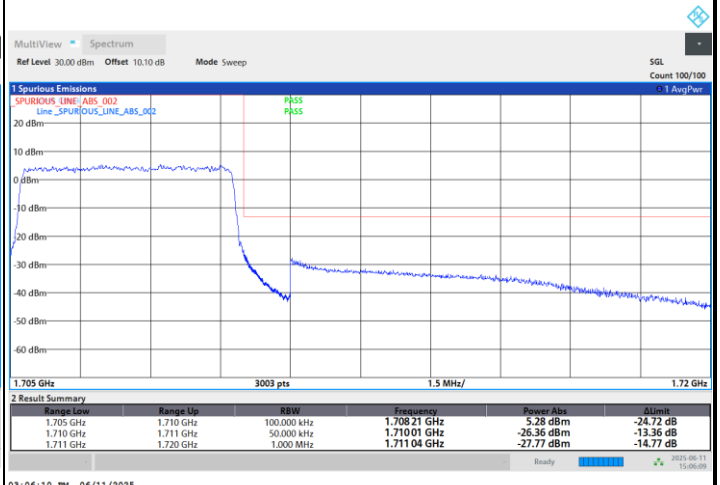
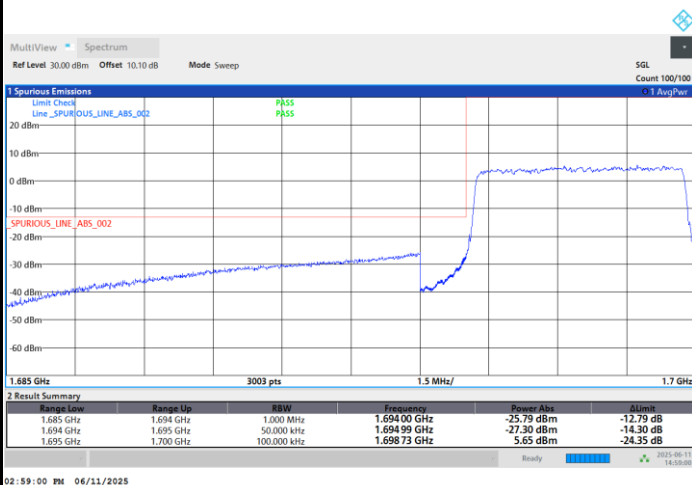
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

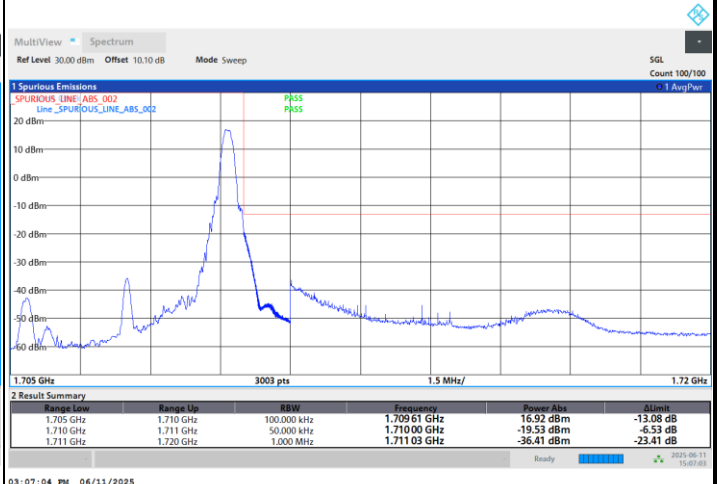
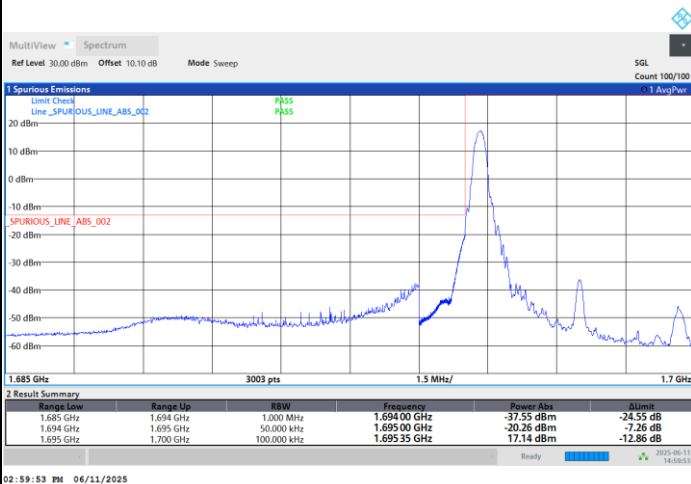




FR1 n70 / 5MHz / CP OFDM / 64QAM

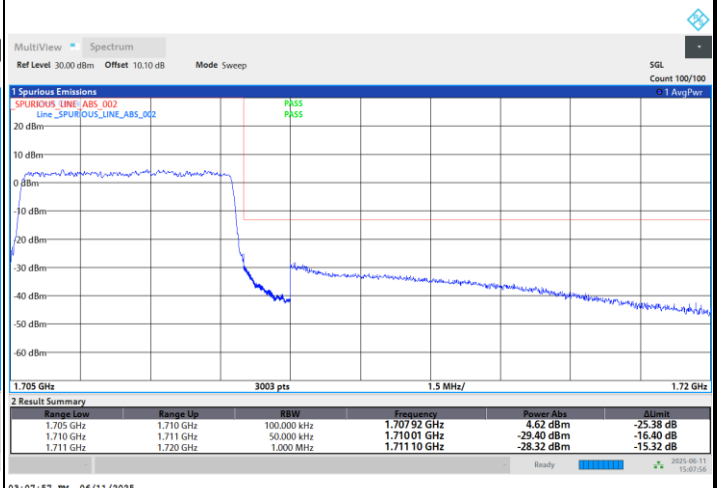
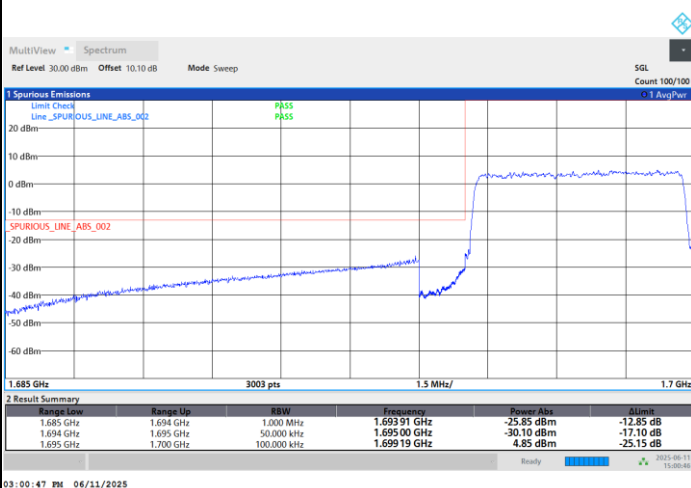
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

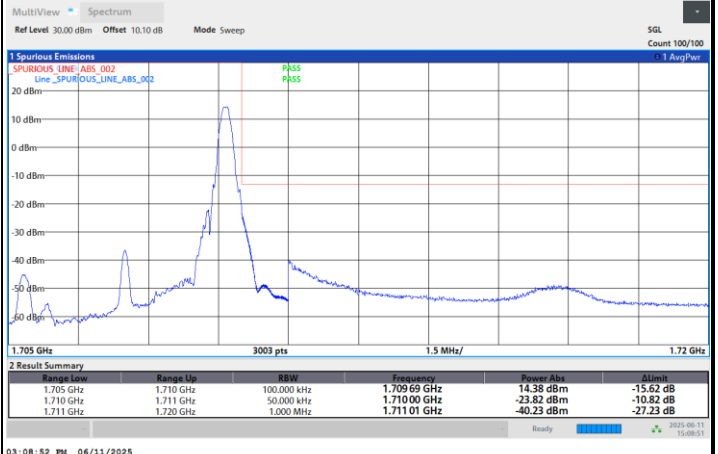
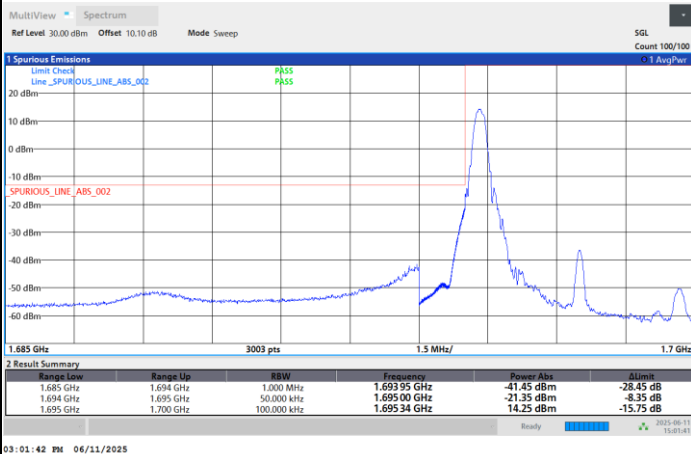




FR1 n70 / 5MHz / CP OFDM / 256QAM

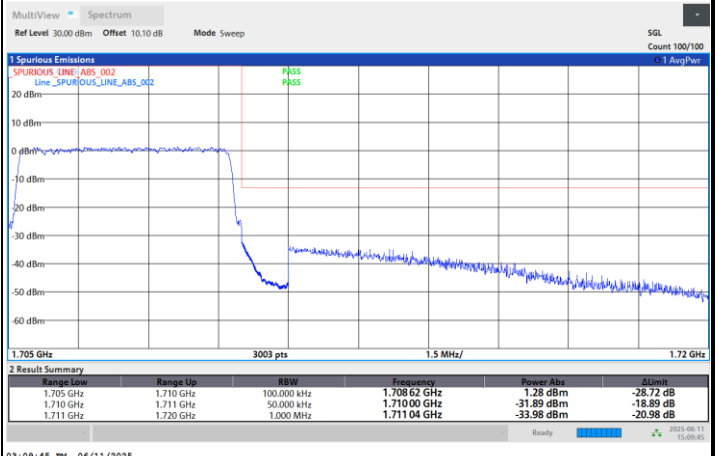
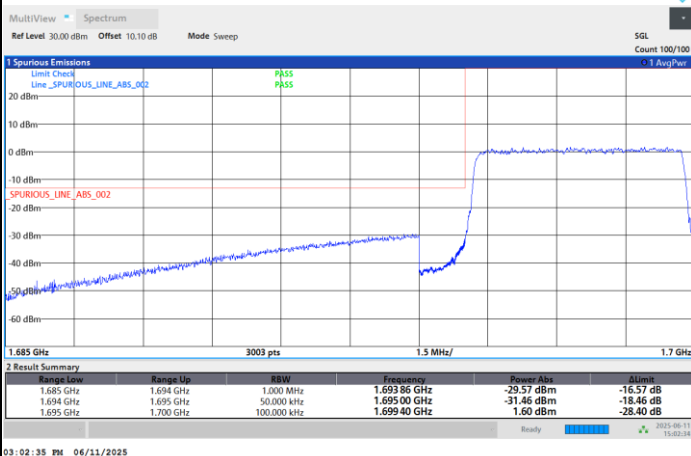
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

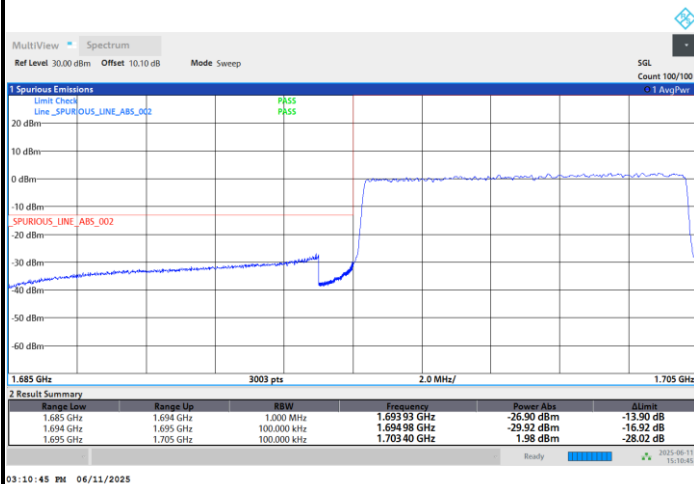
Highest Band Edge / Full RB



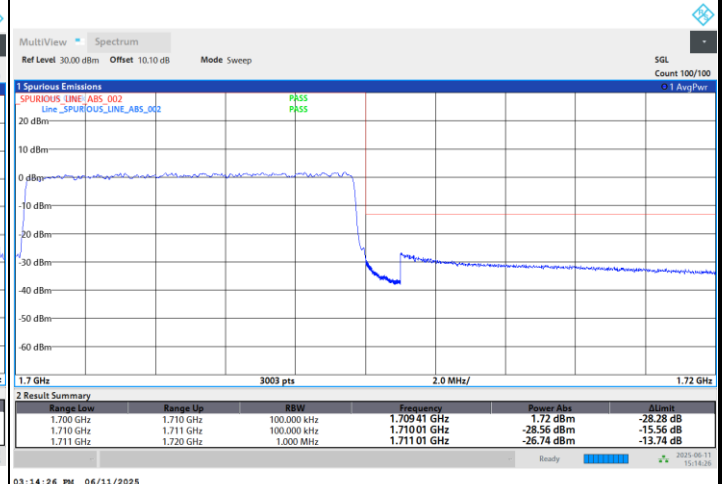


FR1 n70 / 10MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

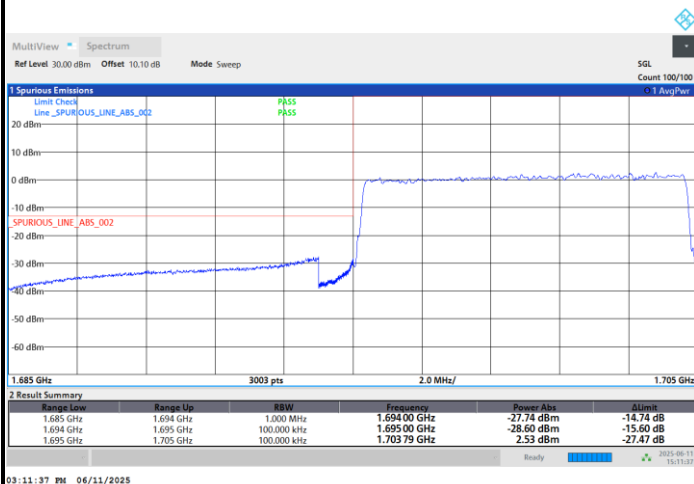


Highest Band Edge

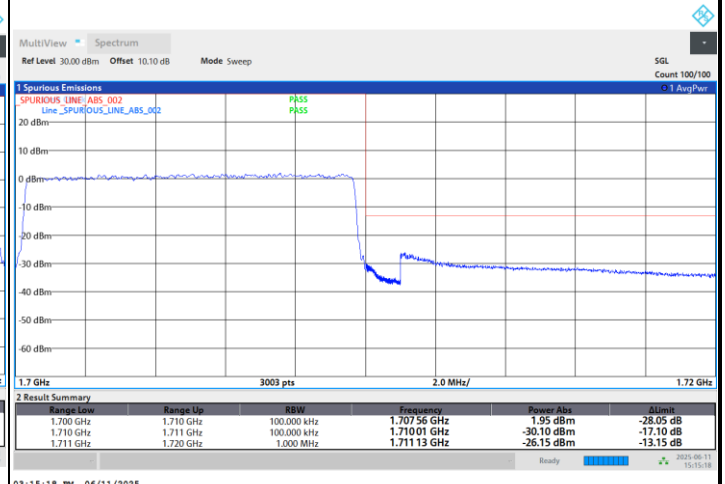


FR1 n70 / 10MHz / CP OFDM / 16QAM / Full RB

Lowest Band Edge



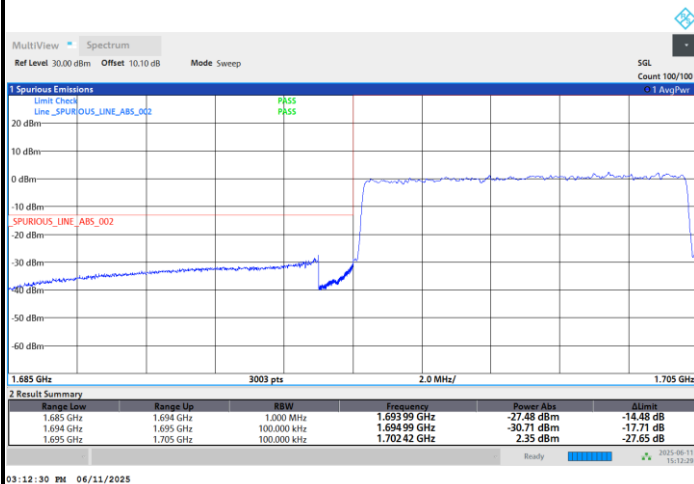
Highest Band Edge



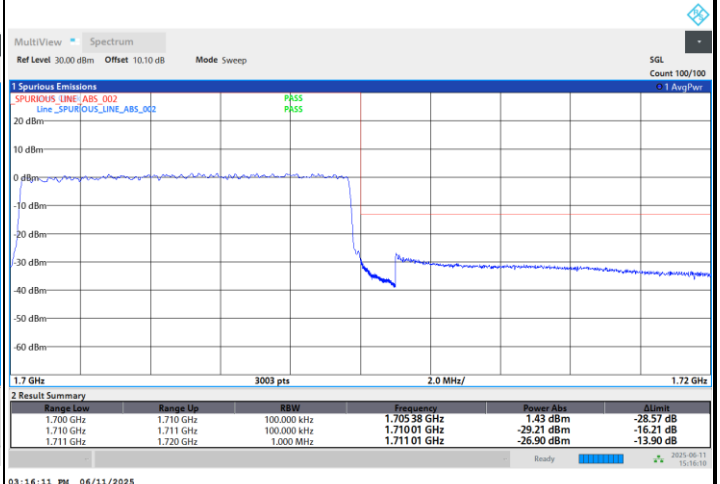


FR1 n70 / 10MHz / CP OFDM / 64QAM / Full RB

Lowest Band Edge

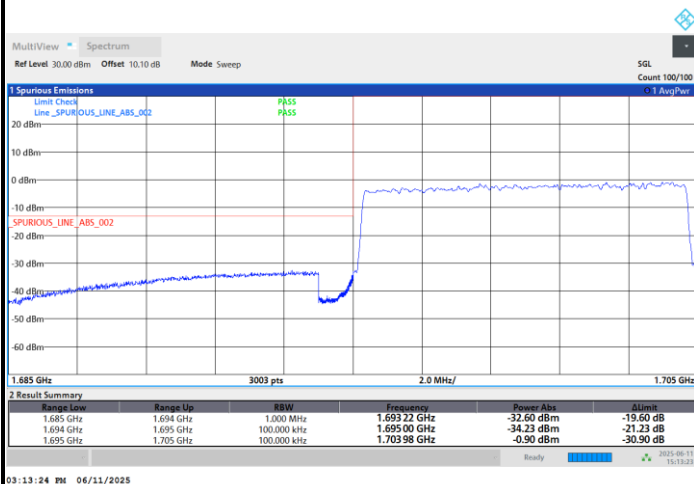


Highest Band Edge

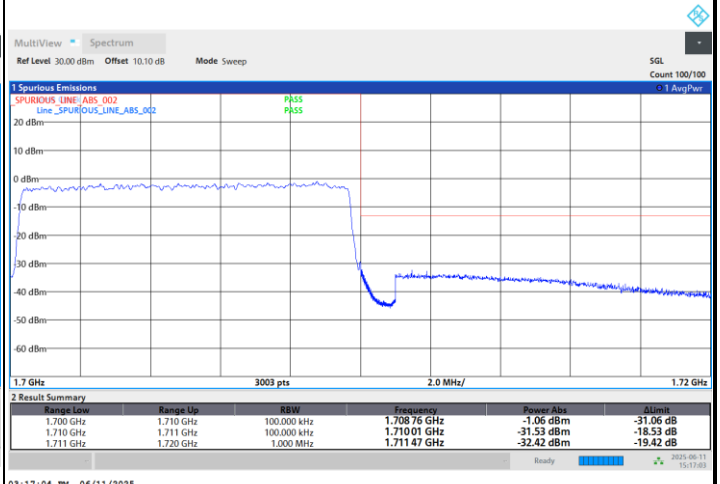


FR1 n70 / 10MHz / CP OFDM / 256QAM / Full RB

Lowest Band Edge



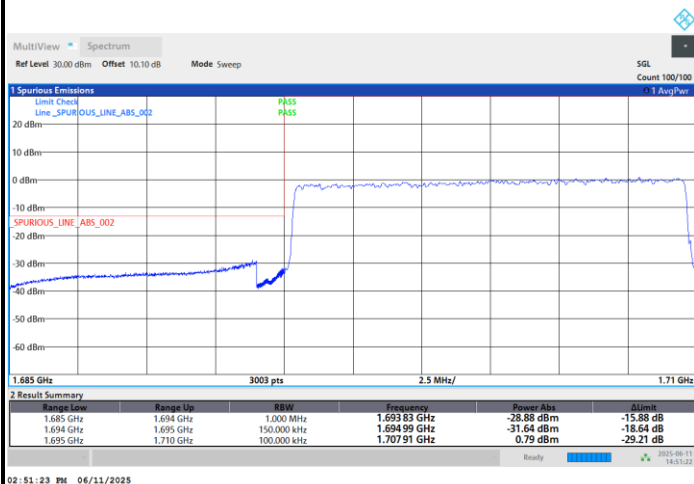
Highest Band Edge



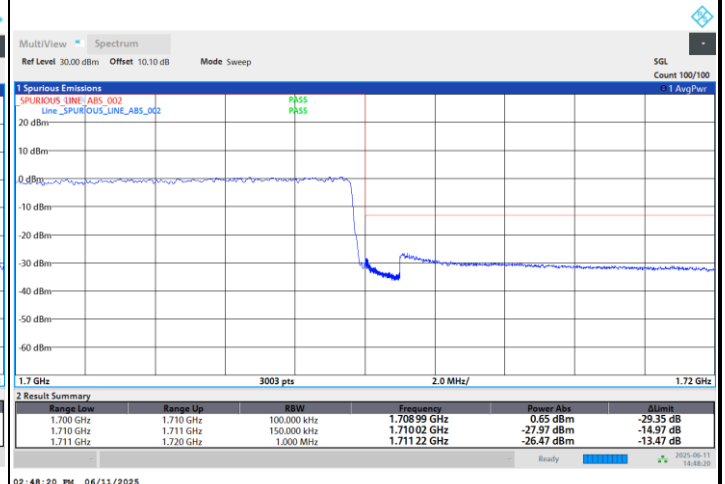


FR1 n70 / 15MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

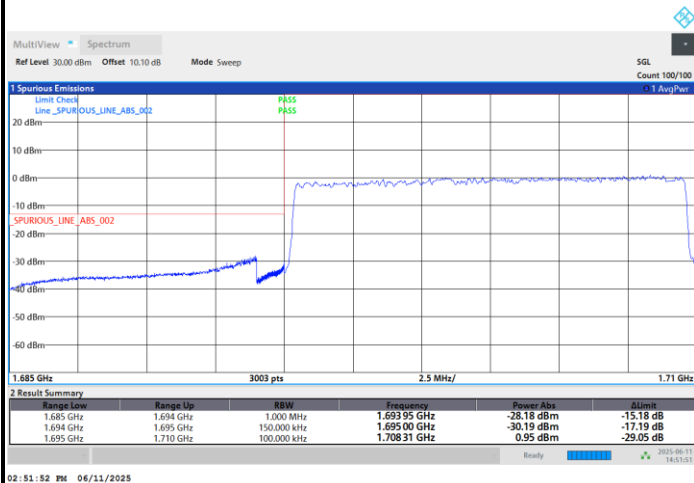


Highest Band Edge

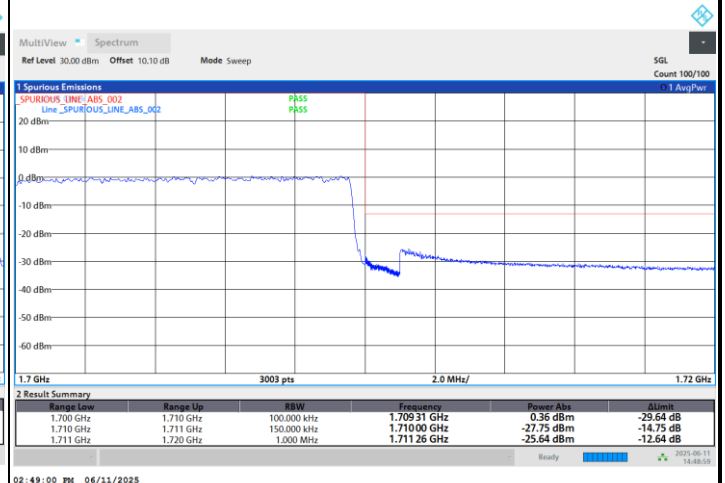


FR1 n70 / 15MHz / CP OFDM / 16QAM / Full RB

Lowest Band Edge



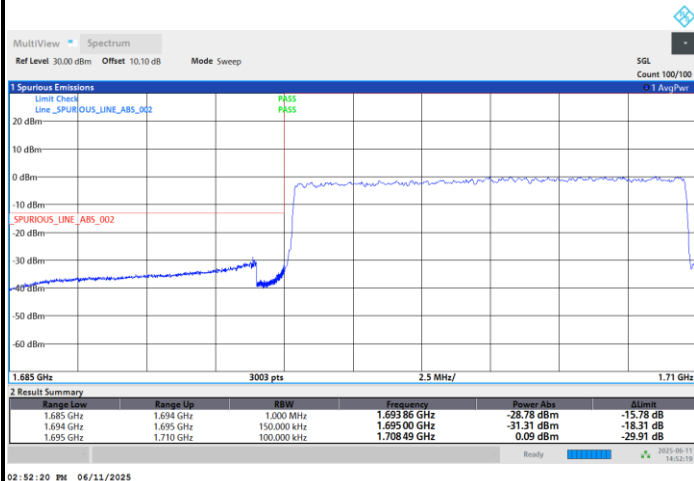
Highest Band Edge



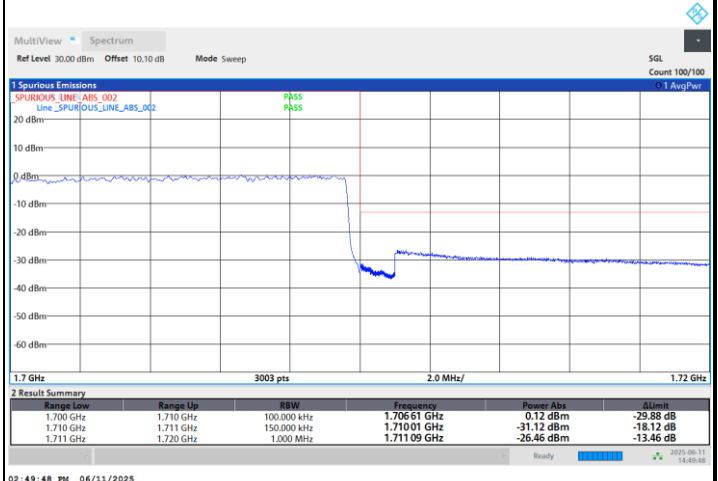


FR1 n70 / 15MHz / CP OFDM / 64QAM / Full RB

Lowest Band Edge

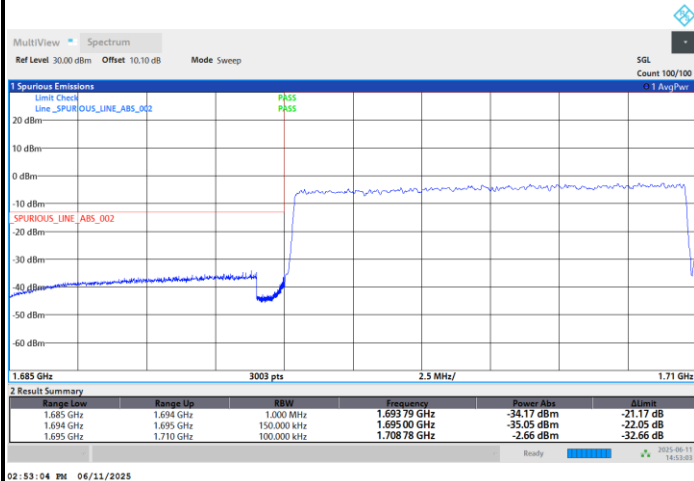


Highest Band Edge

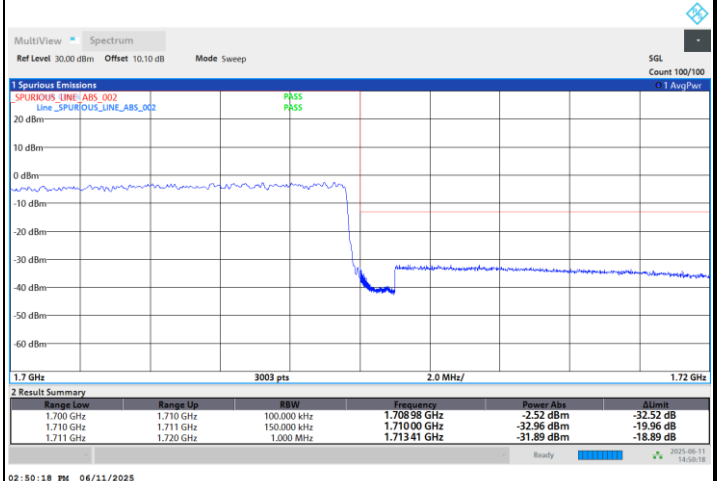


FR1 n70 / 15MHz / CP OFDM / 256QAM / Full RB

Lowest Band Edge



Highest Band Edge

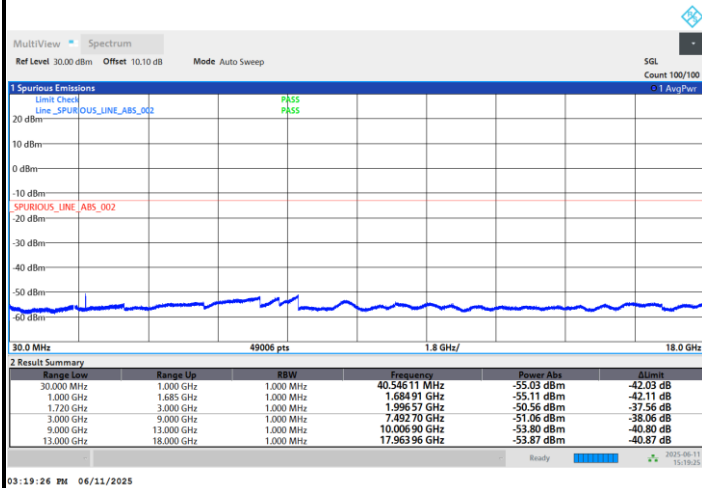




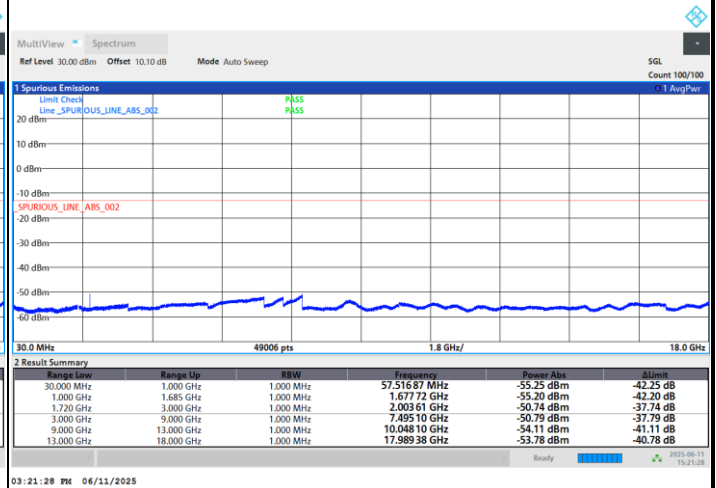
Conducted Spurious Emission

FR1 n70 / 5MHz / CP OFDM / QPSK / 1RB1

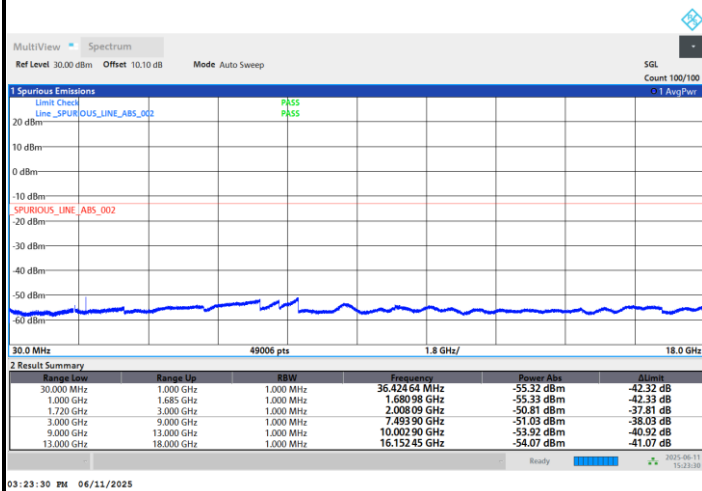
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

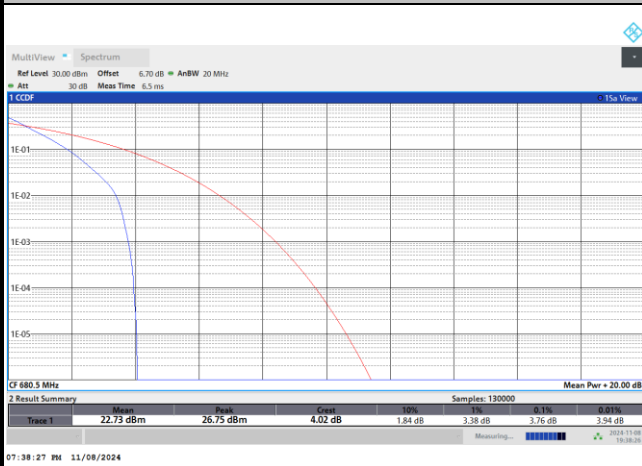
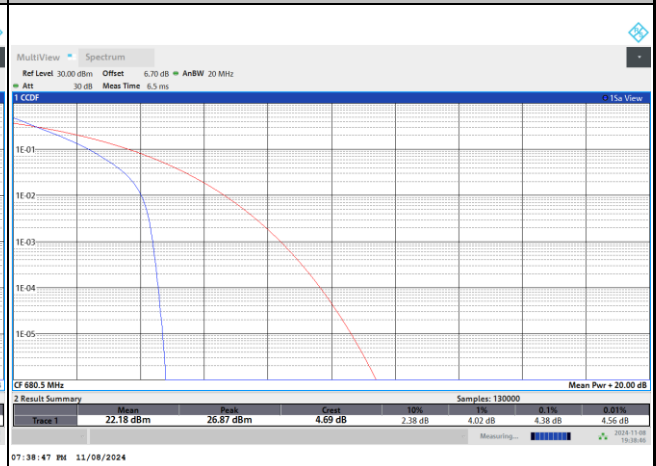
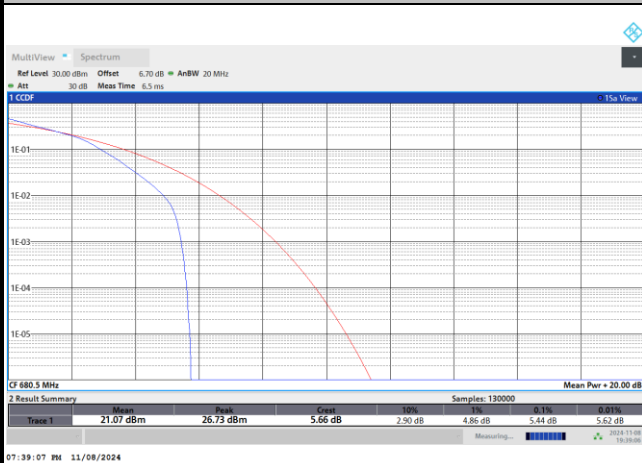
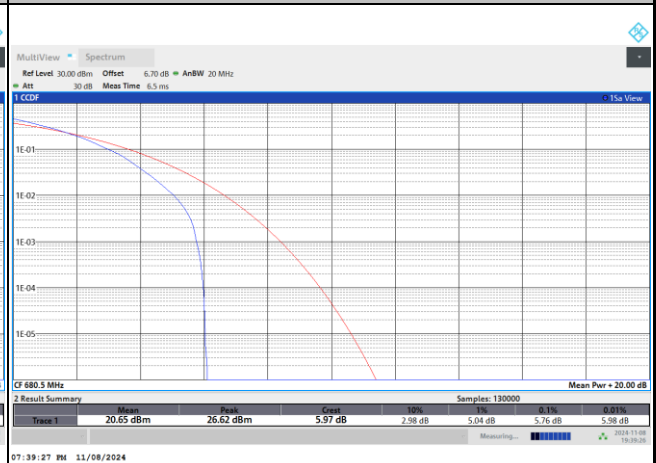
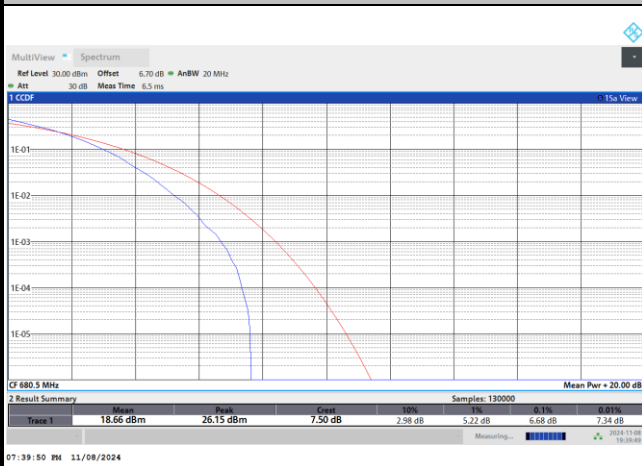
Test Conditions		FR1 n70 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 15MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0045	PASS
40	Normal Voltage	0.0045	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0053	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0074	
20	Maximum Voltage	0.0028	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0036	

Note:

1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

**FR1 n71****<SISO Mode>****Peak-to-Average Ratio**

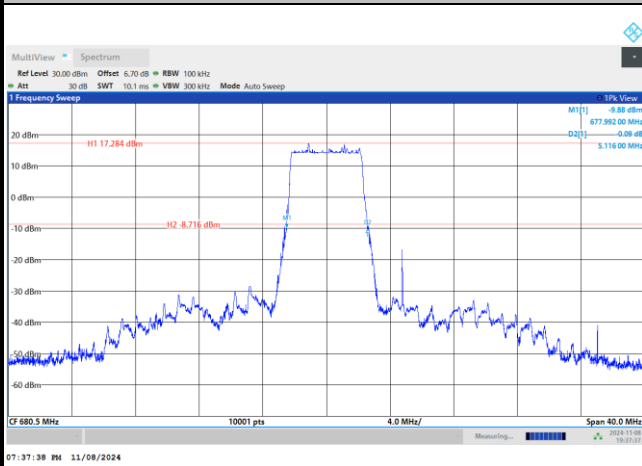
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	3.76	4.38	5.44	5.76	PASS
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.68				PASS

**FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB****PI/2 BPSK****QPSK****16QAM****64QAM****256QAM**

**26dB Bandwidth**

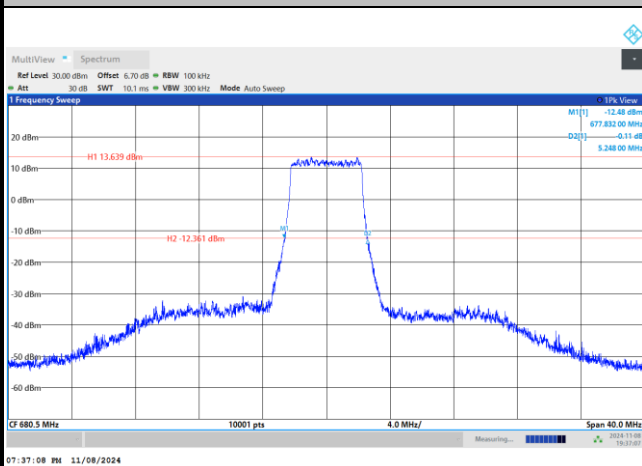
Mode	FR1 n71 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	5.11		9.78		14.57		19.31	

Mode	FR1 n71 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.24	5.29	10.34	10.29	15.22	15.31	20.46	20.52
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.32	5.33	10.20	10.26	15.37	15.27	20.42	20.48

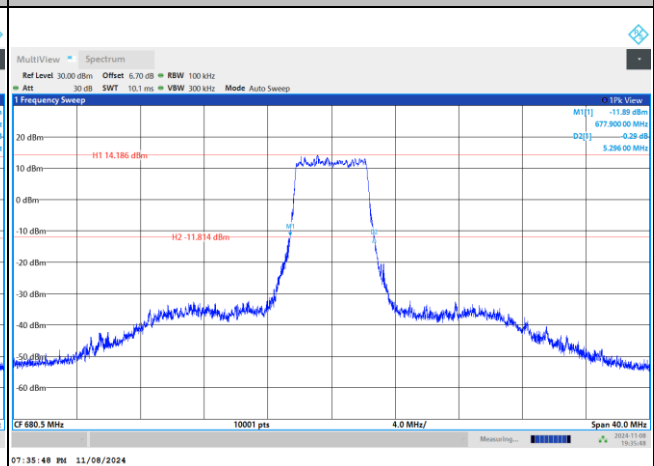
**FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB****PI/2 BPSK**

FR1 n71 / 5MHz / CP OFDM / Middle Channel / Full RB

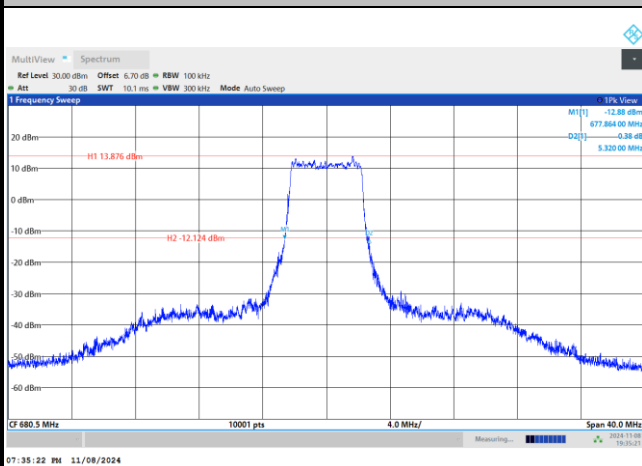
QPSK



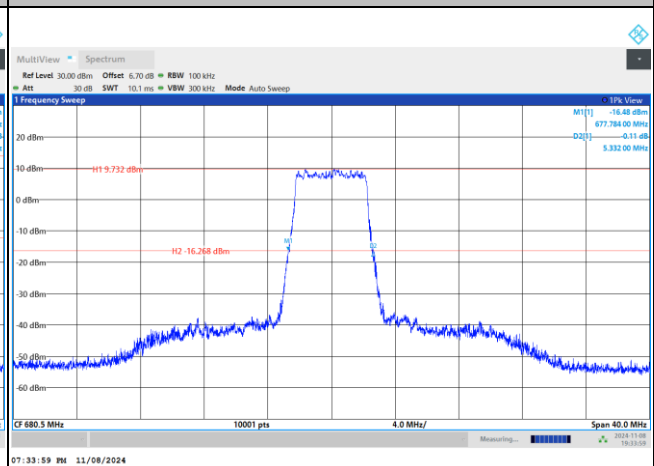
16QAM



64QAM



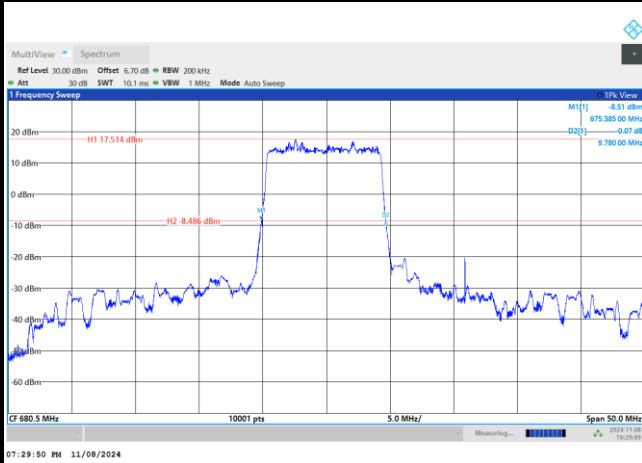
256QAM





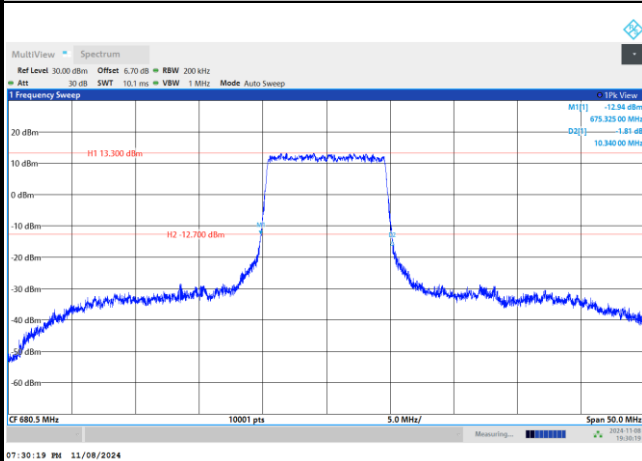
FR1 n71 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

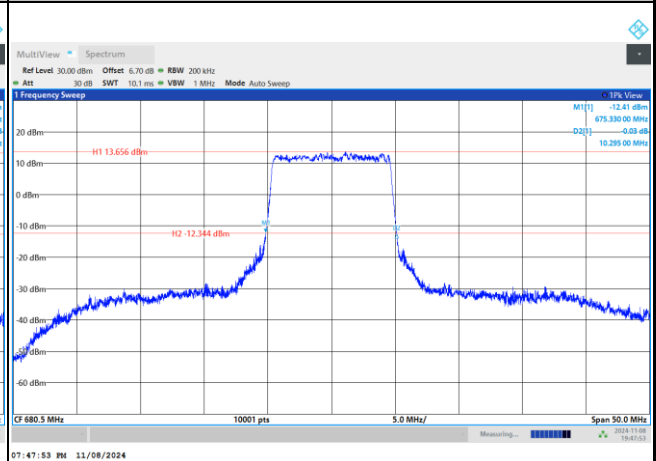


FR1 n71 / 10MHz / CP OFDM / Middle Channel / Full RB

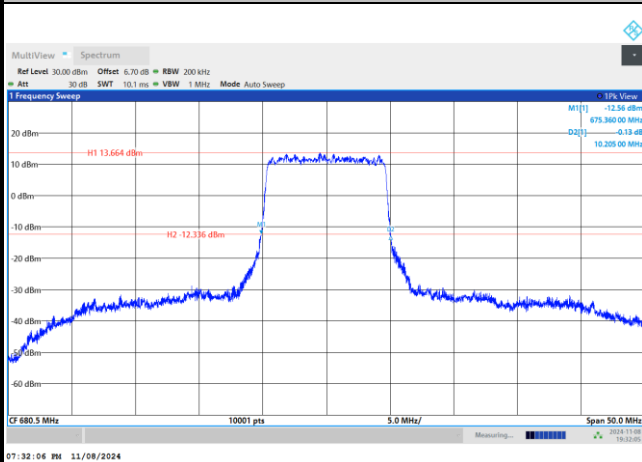
QPSK



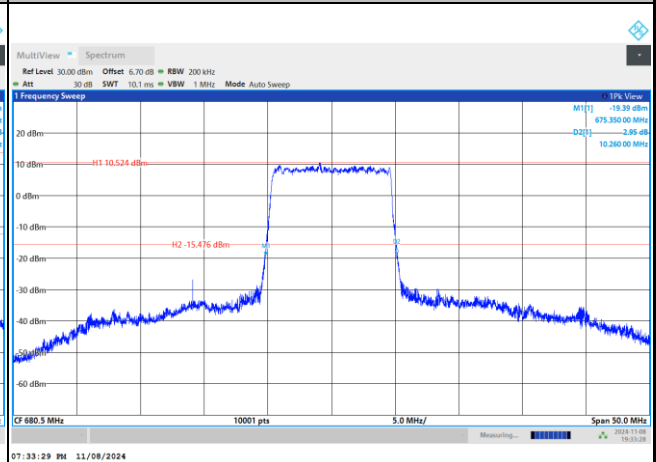
16QAM



64QAM



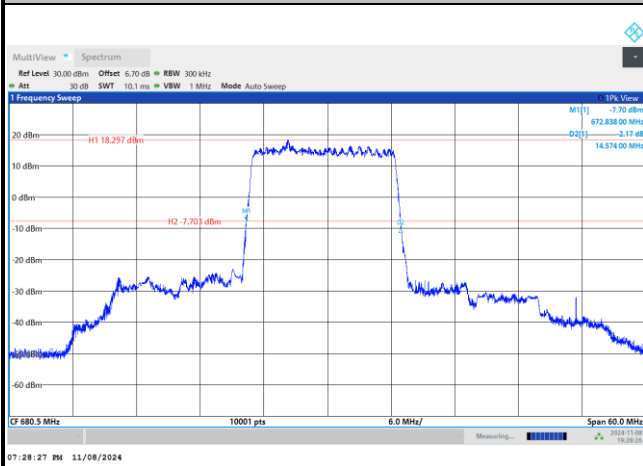
256QAM





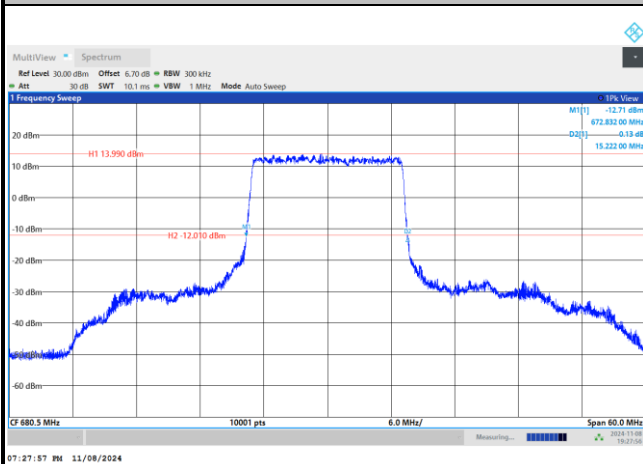
FR1 n71 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

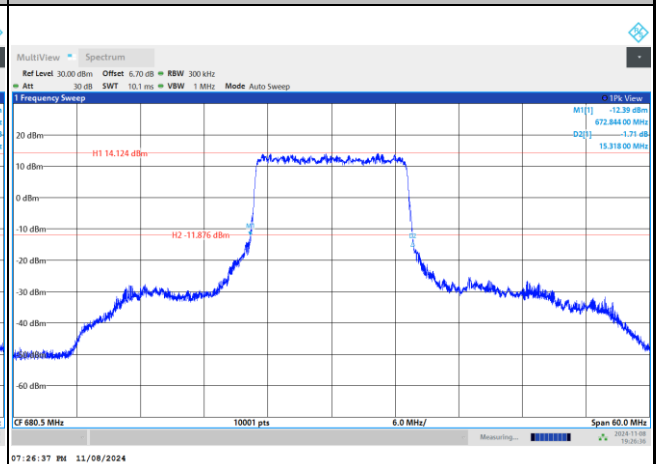


FR1 n71 / 15MHz / CP OFDM / Middle Channel / Full RB

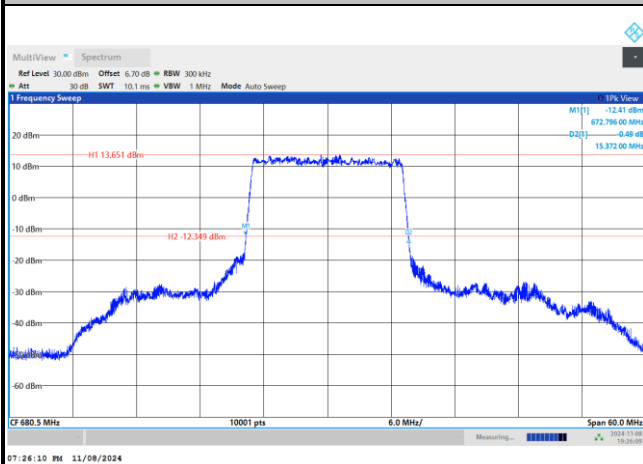
QPSK



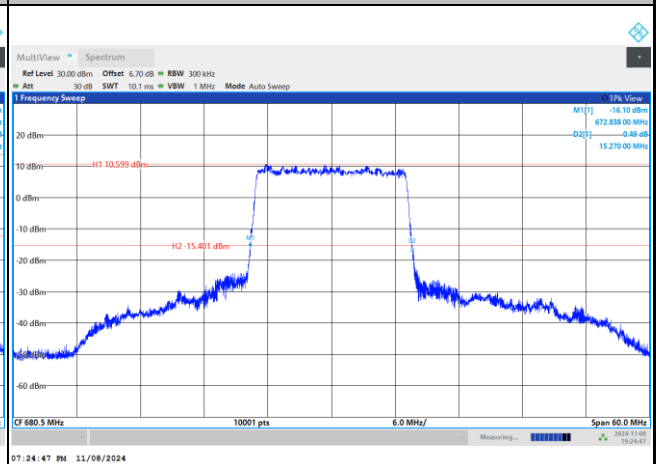
16QAM



64QAM



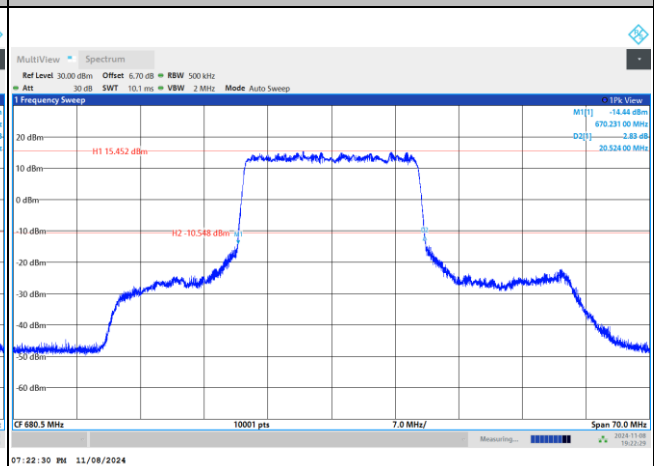
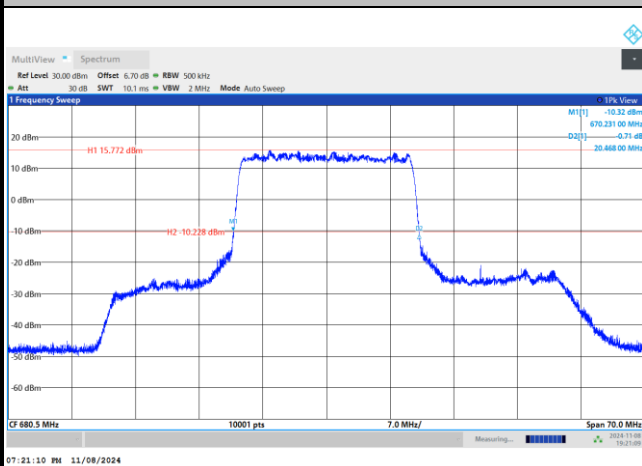
256QAM



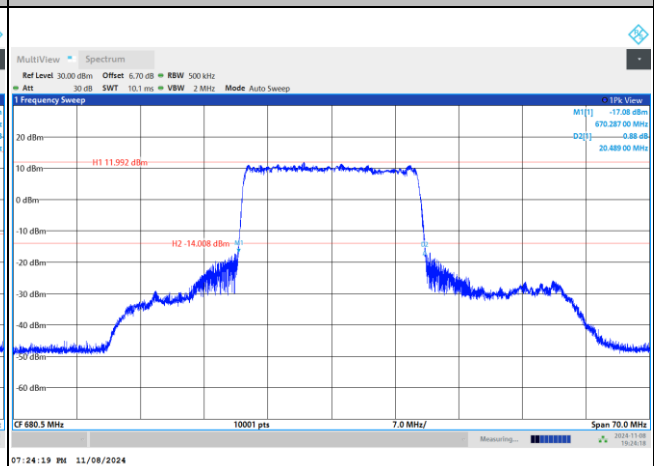
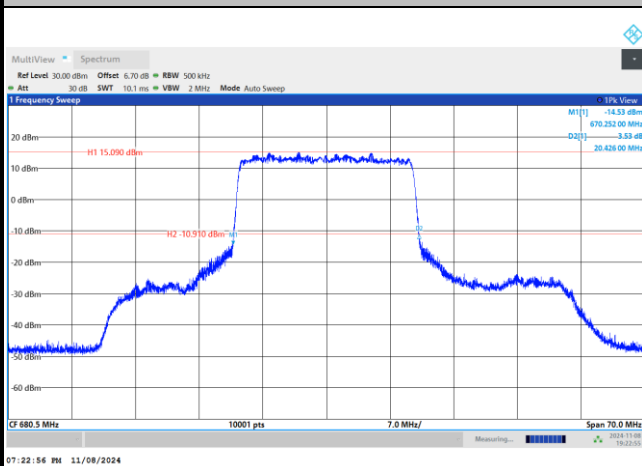


The screenshot shows a Spectrum Analyzer interface. The main display is a plot of power spectral density (dBm) versus frequency (MHz). The y-axis ranges from -50 dBm to 20 dBm, and the x-axis ranges from 0 to 100 MHz. A blue trace shows a signal with a flat top between approximately 30 MHz and 60 MHz. Two horizontal red lines are drawn across the plot: H1 at 18.496 dBm and H2 at -7.504 dBm. The signal level at H1 is approximately 18 dBm, and the level at H2 is approximately -7.5 dBm. The signal level at the top of the flat top is approximately 18 dBm. The signal level at the bottom of the flat top is approximately -7.5 dBm. The signal level at the top of the flat top is approximately 18 dBm, and the level at the bottom of the flat top is approximately -7.5 dBm. The signal level at the top of the flat top is approximately 18 dBm, and the level at the bottom of the flat top is approximately -7.5 dBm.

16QAM



256QAM



**Occupied Bandwidth**

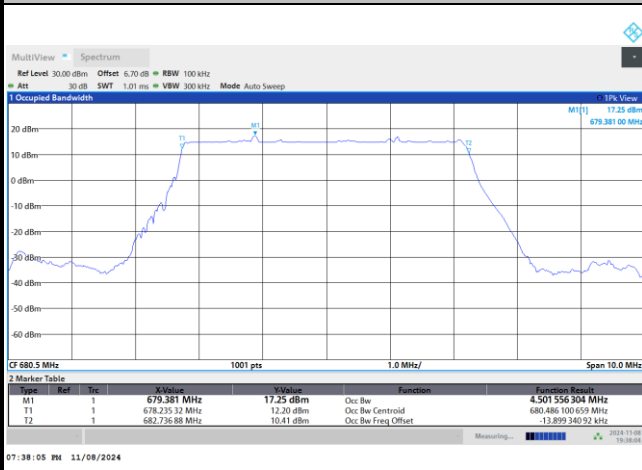
Mode	FR1 n71 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.50		8.95		13.47		17.98	

Mode	FR1 n71 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.49	4.56	9.31	9.30	14.16	14.15	18.96	19.03
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.50	4.52	9.31	9.33	14.19	14.13	19.03	19.12



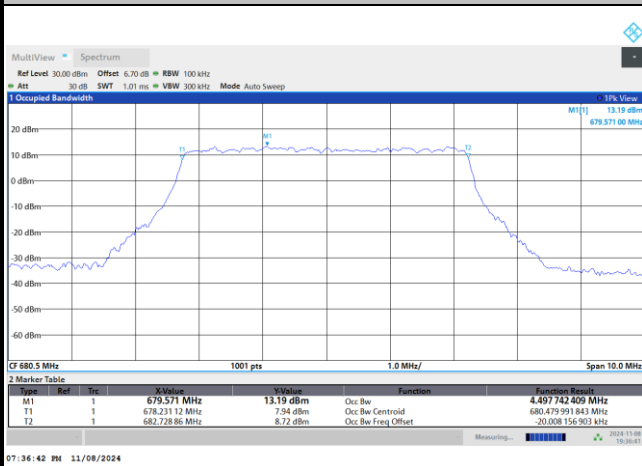
FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

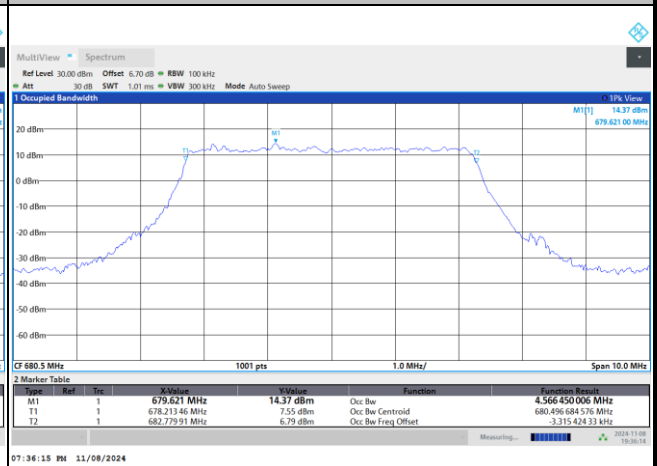


FR1 n71 / 5MHz / CP OFDM / Middle Channel / Full RB

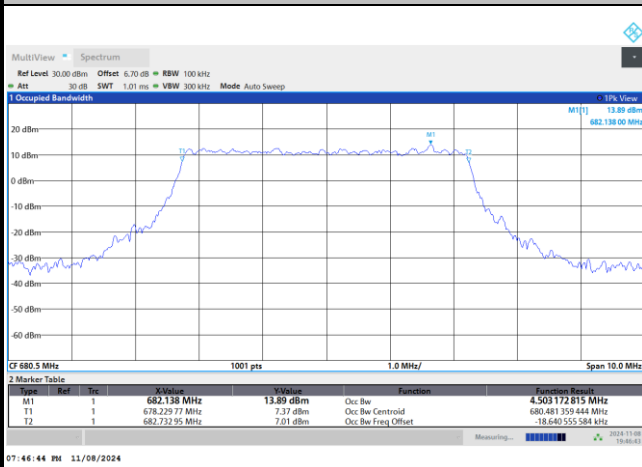
QPSK



16QAM



64QAM



256QAM

