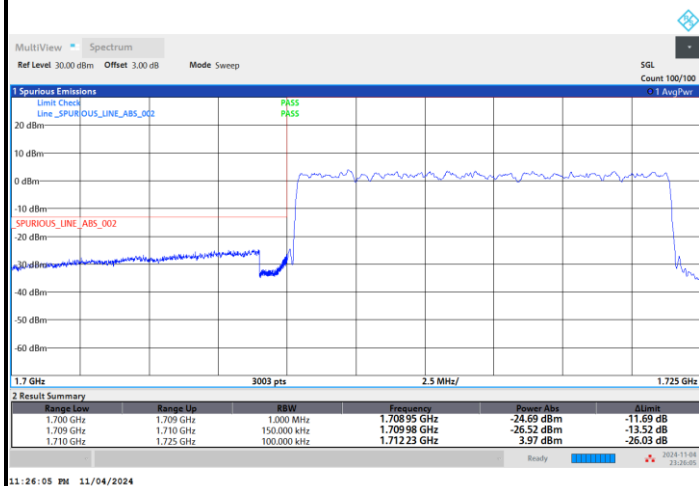


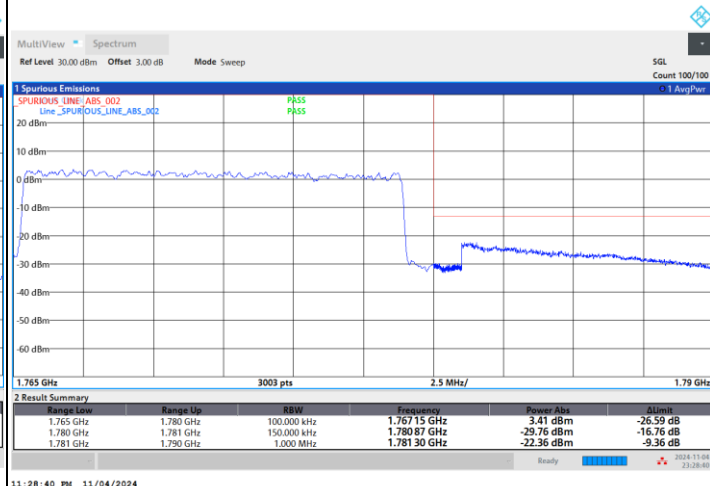


FR1 n66 / 15MHz / DFT-s-OFDM / 16QAM / Full RB

Lowest Band Edge

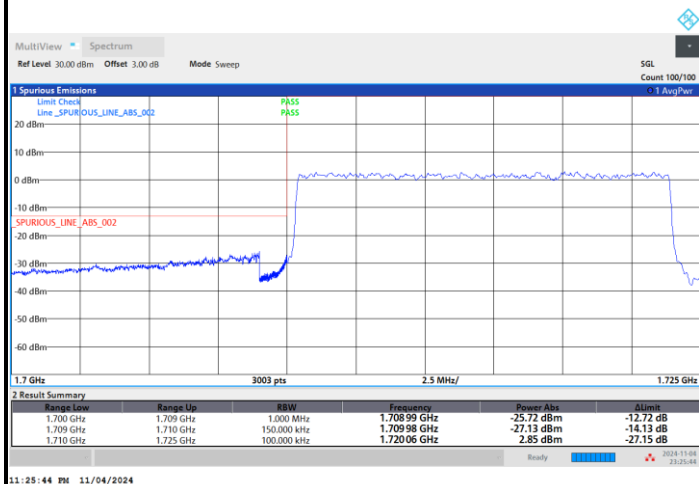


Highest Band Edge

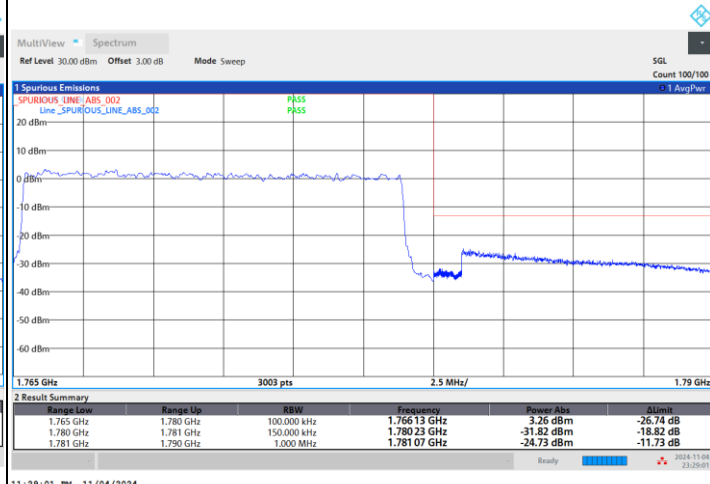


FR1 n66 / 15MHz / DFT-s-OFDM / 64QAM / Full RB

Lowest Band Edge



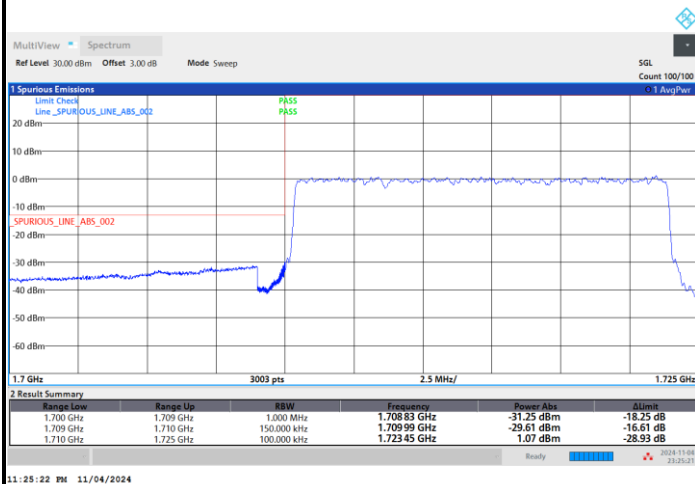
Highest Band Edge





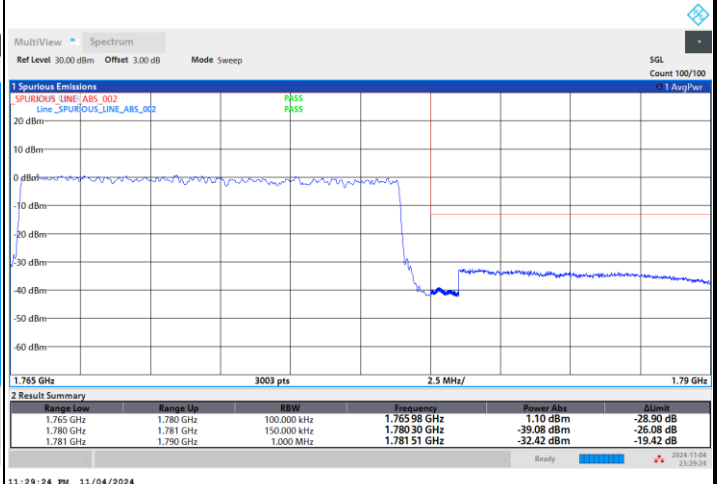
FR1 n66 / 15MHz / DFT-s-OFDM / 256QAM / Full RB

Lowest Band Edge



11:25:22 PM 11/04/2024

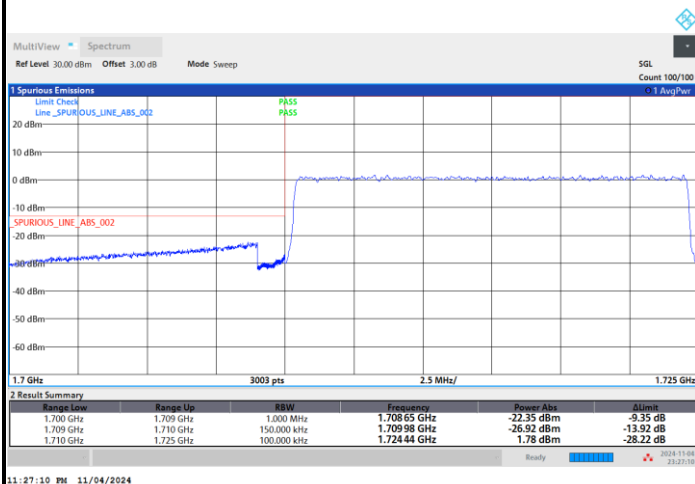
Highest Band Edge



11:29:24 PM 11/04/2024

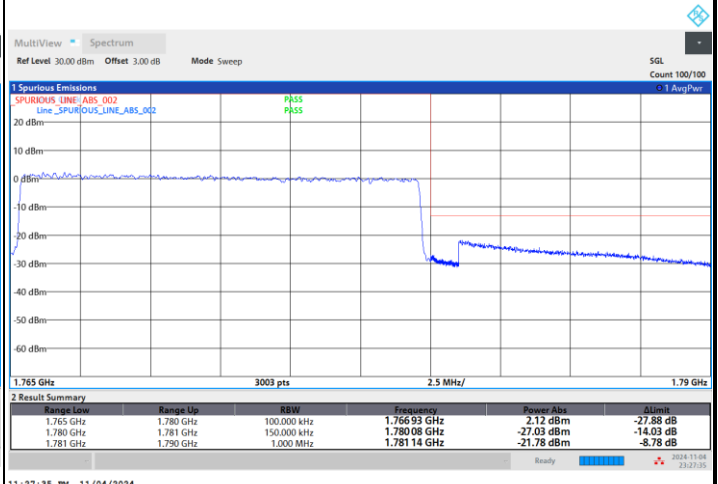
FR1 n66 / 15MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



11:27:10 PM 11/04/2024

Highest Band Edge

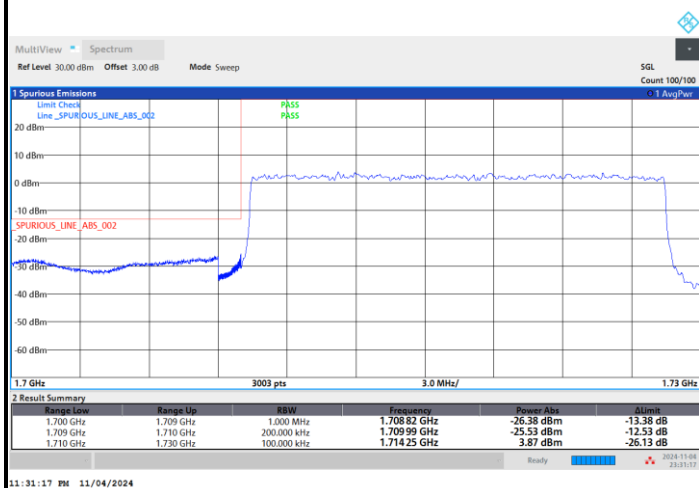


11:27:35 PM 11/04/2024

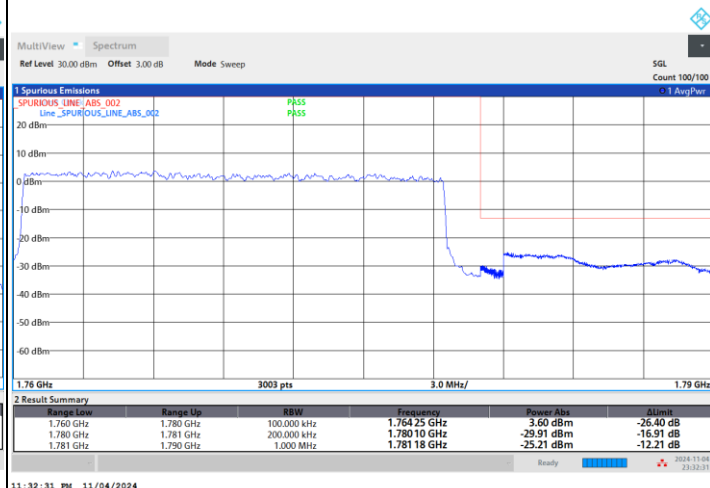


FR1 n66 / 20MHz / DFT-s-OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

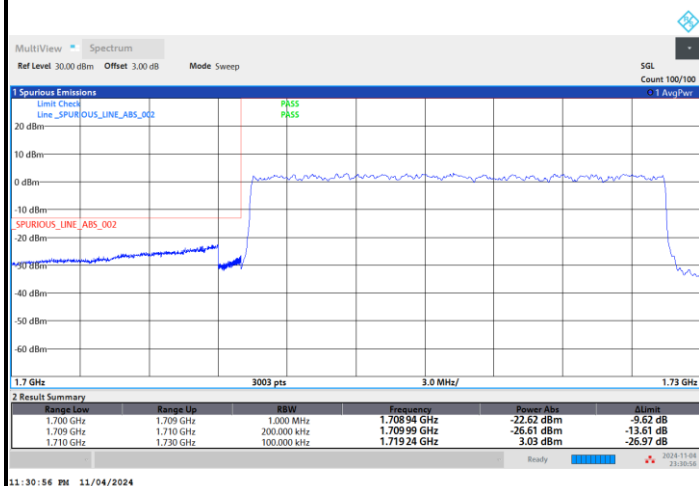


Highest Band Edge

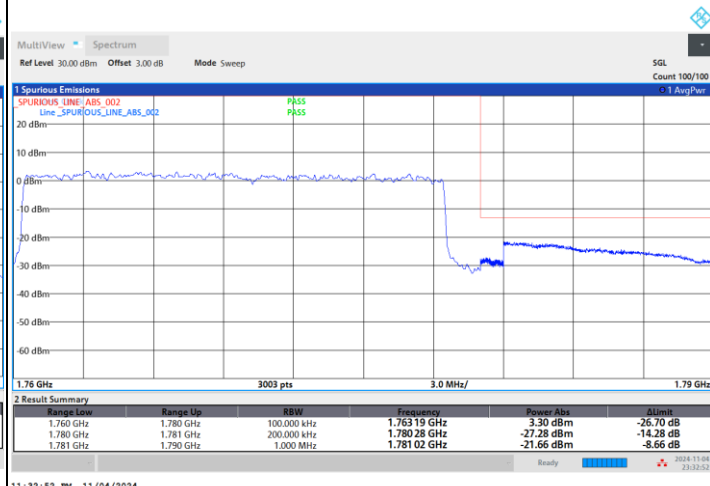


FR1 n66 / 20MHz / DFT-s-OFDM / QPSK / Full RB

Lowest Band Edge



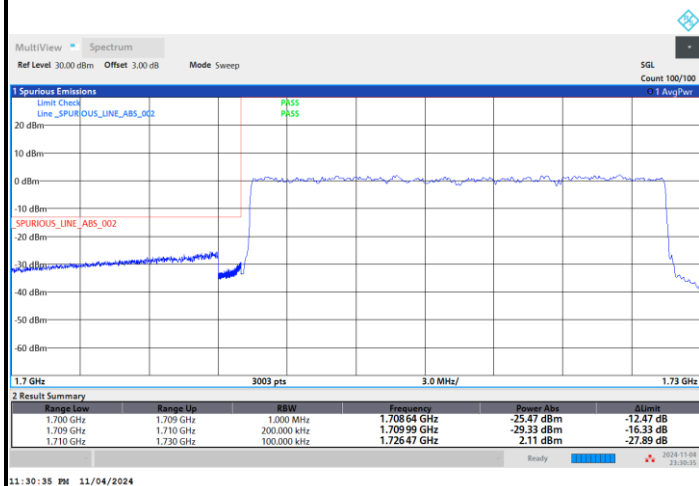
Highest Band Edge





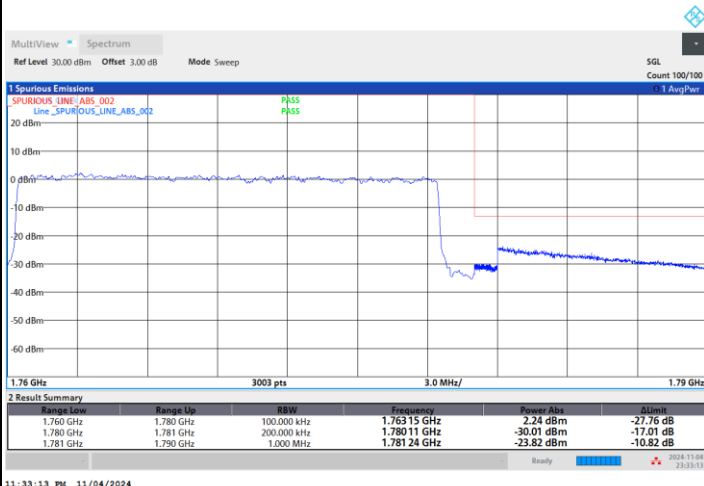
FR1 n66 / 20MHz / DFT-s-OFDM / 16QAM / Full RB

Lowest Band Edge



11:30:35 PM 11/04/2024

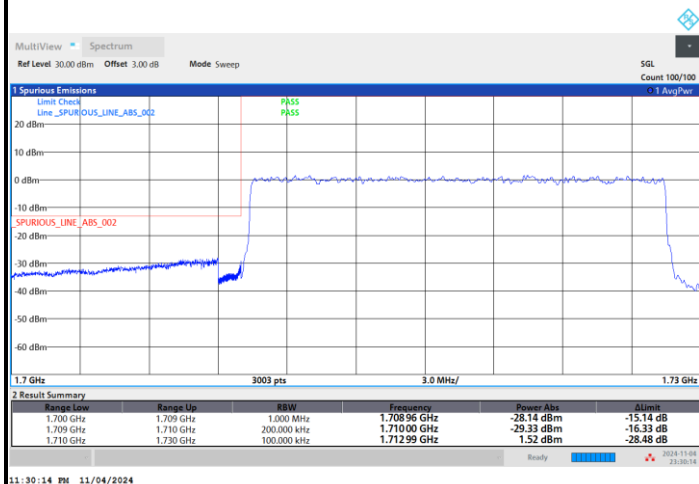
Highest Band Edge



11:30:13 PM 11/04/2024

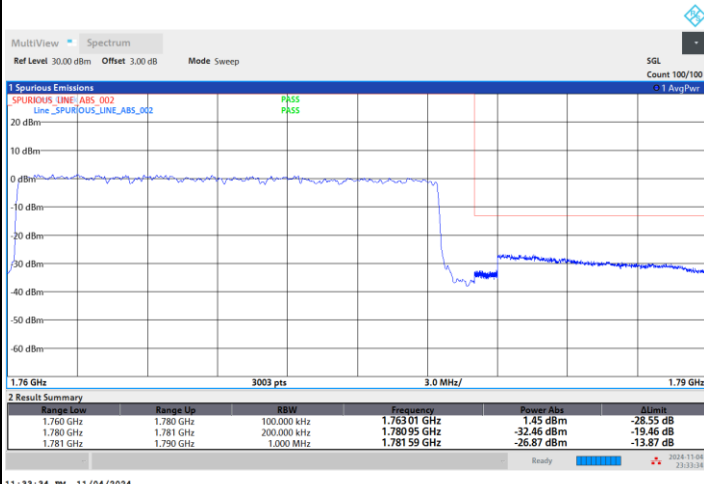
FR1 n66 / 20MHz / DFT-s-OFDM / 64QAM / Full RB

Lowest Band Edge



11:30:14 PM 11/04/2024

Highest Band Edge

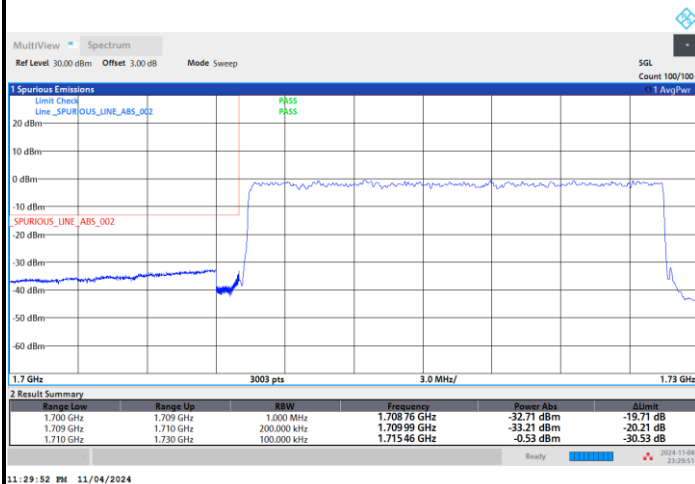


11:33:34 PM 11/04/2024



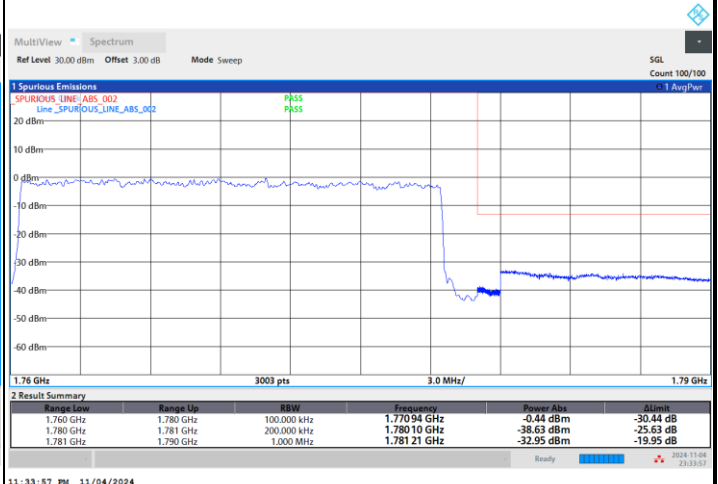
FR1 n66 / 20MHz / DFT-s-OFDM / 256QAM / Full RB

Lowest Band Edge



11:29:52 PM 11/04/2024

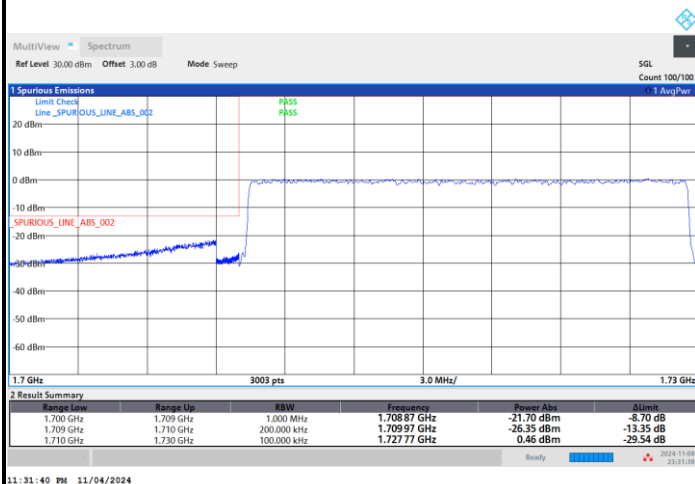
Highest Band Edge



11:33:57 PM 11/04/2024

FR1 n66 / 20MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



11:31:40 PM 11/04/2024

Highest Band Edge



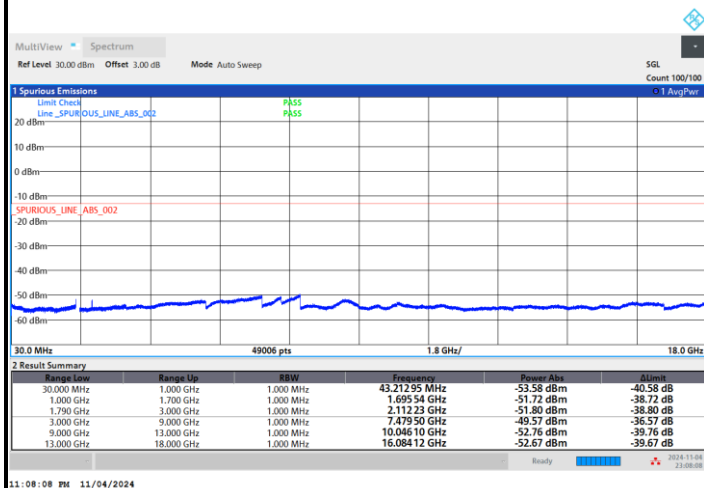
11:32:05 PM 11/04/2024



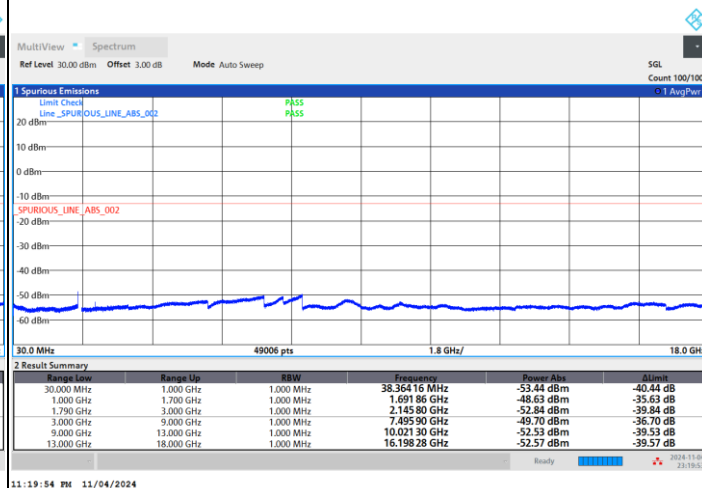
Conducted Spurious Emission

FR1 n66 / 5MHz / DFT-S OFDM / QPSK / 1RB1

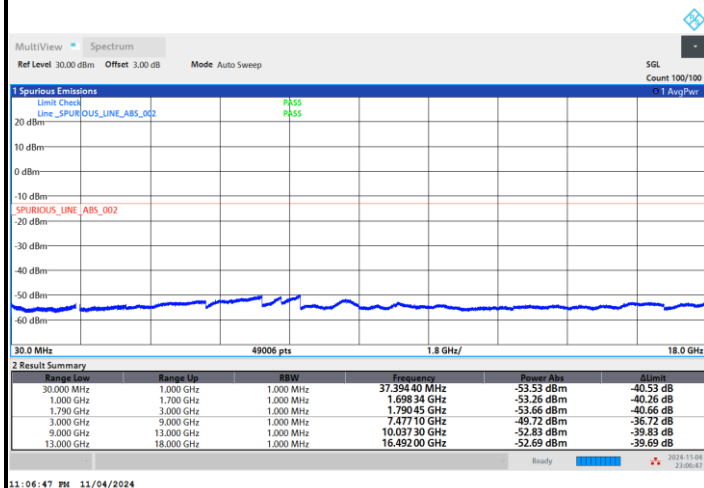
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n66 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0136	PASS
40	Normal Voltage	0.0103	
30	Normal Voltage	0.0061	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0047	
-10	Normal Voltage	0.0048	
-20	Normal Voltage	0.0003	
-30	Normal Voltage	0.0059	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0001	
20	Minimum Voltage	0.0072	

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.

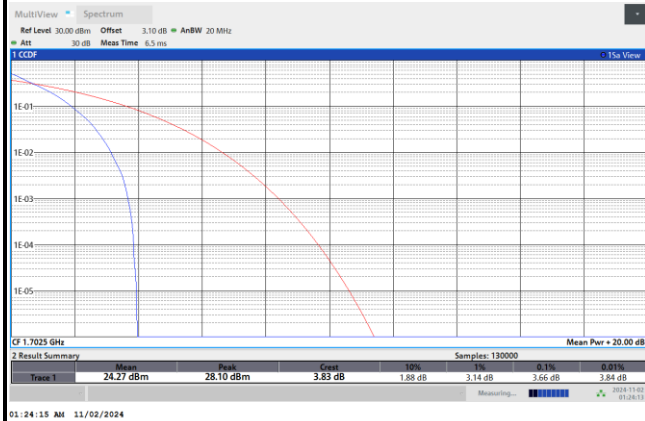
**FR1 n70****Peak-to-Average Ratio**

Mode	FR1 n70 / 15MHz / 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	3.66	4.50	5.08	5.58	PASS
Mode	FR1 n70 / 15MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.64				PASS

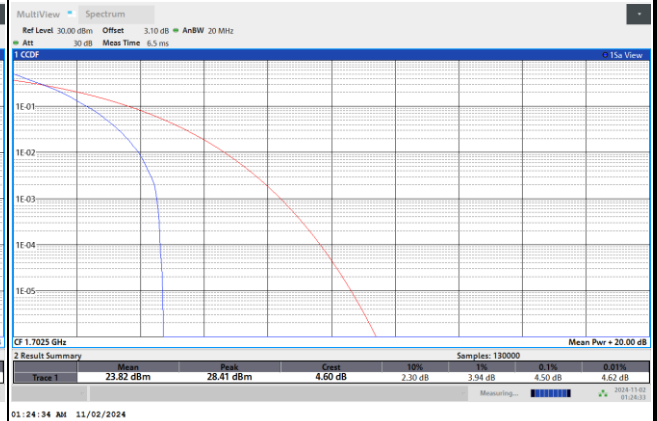


FR1 n70 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

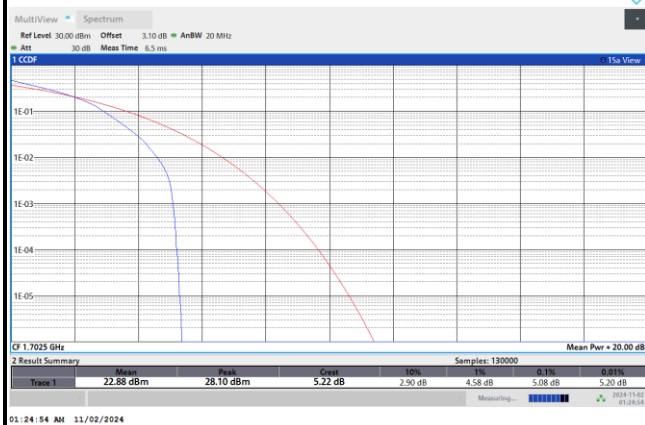
PI/2 BPSK



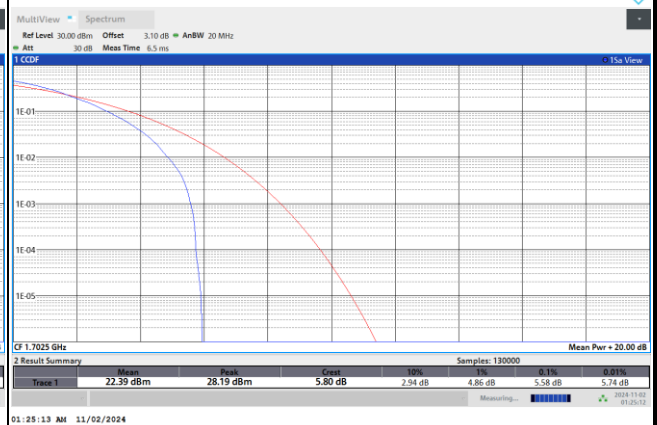
QPSK



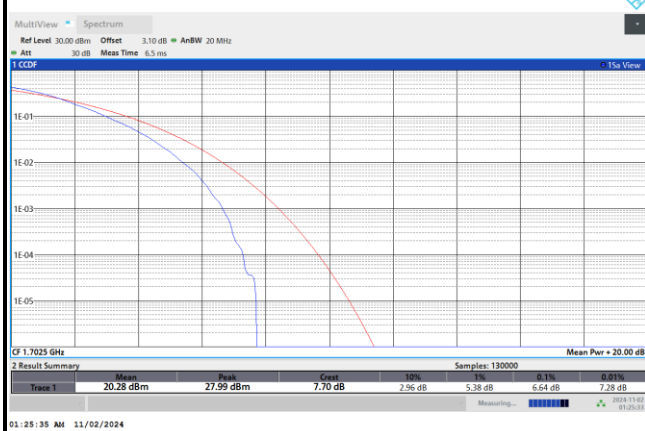
16QAM



64QAM



256QAM



**26dB Bandwidth**

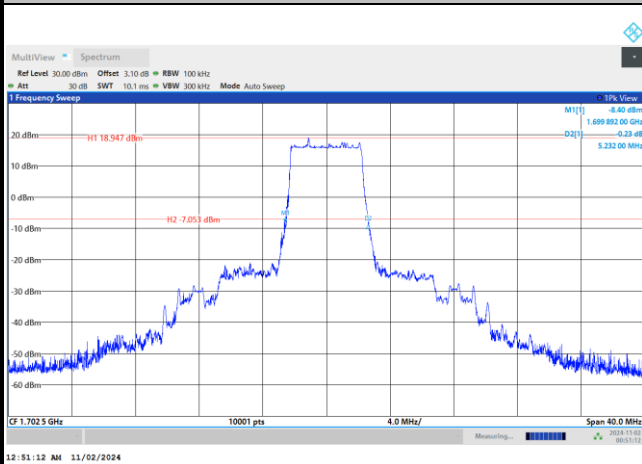
Mode	FR1 n70 : 26dB BW(MHz) / DFT-S OFDM				
BW	5MHz		10MHz		15MHz
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK
Middle CH	5.23		9.83		14.60

Mode	FR1 n70 : 26dB BW(MHz) / CP OFDM						
BW	5MHz		10MHz		15MHz		
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	
Middle CH	5.28	5.33	10.39	10.34	15.29	15.22	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	
Middle CH	5.24	5.33	10.19	10.32	15.40	15.35	



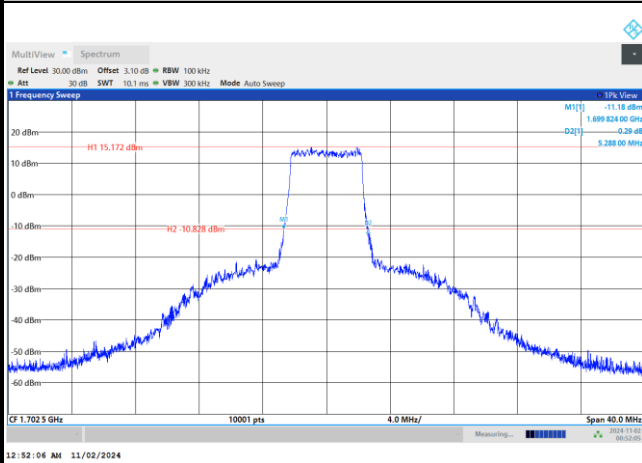
FR1 n70 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

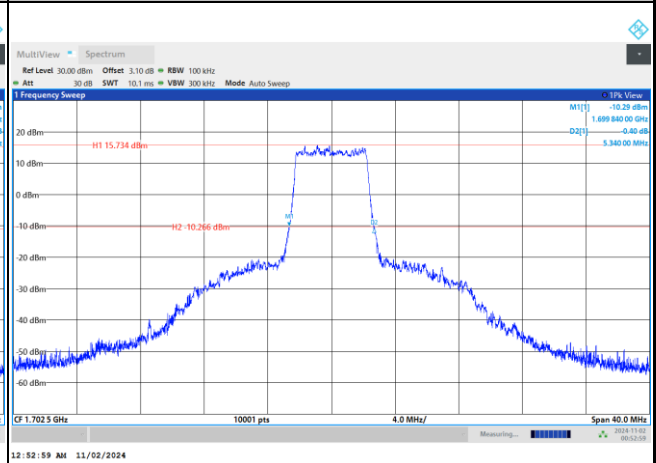


FR1 n70 / 5MHz / CP OFDM / Middle Channel / Full RB

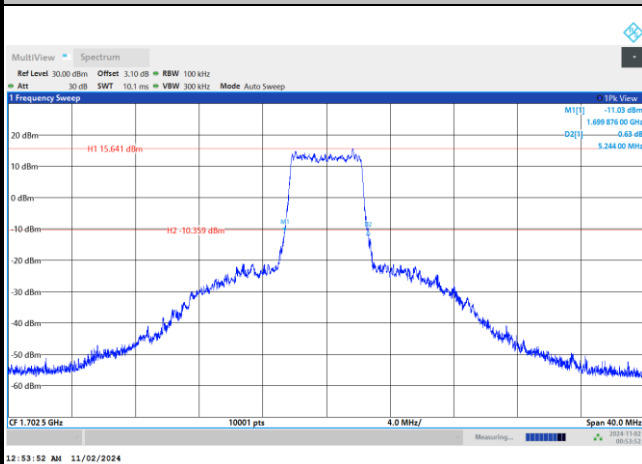
QPSK



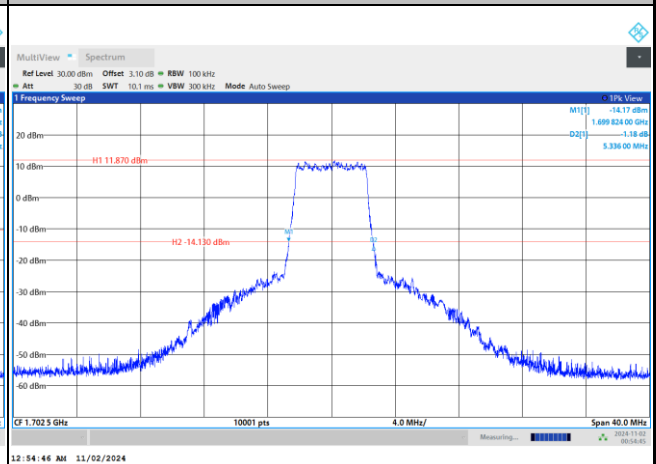
16QAM



64QAM



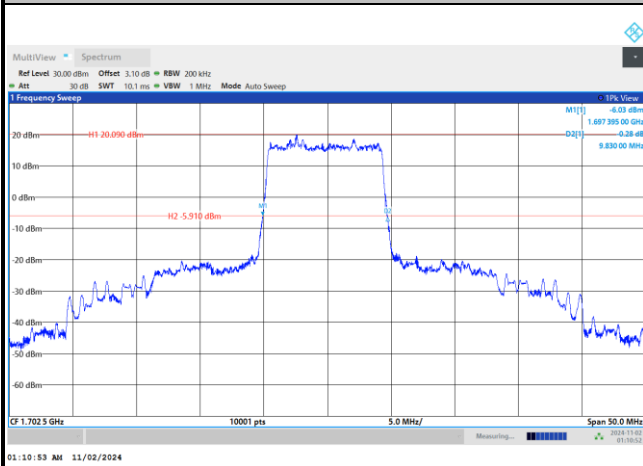
256QAM





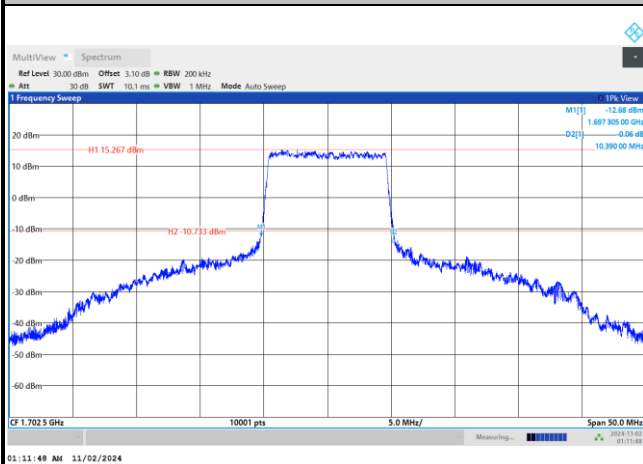
FR1 n70 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

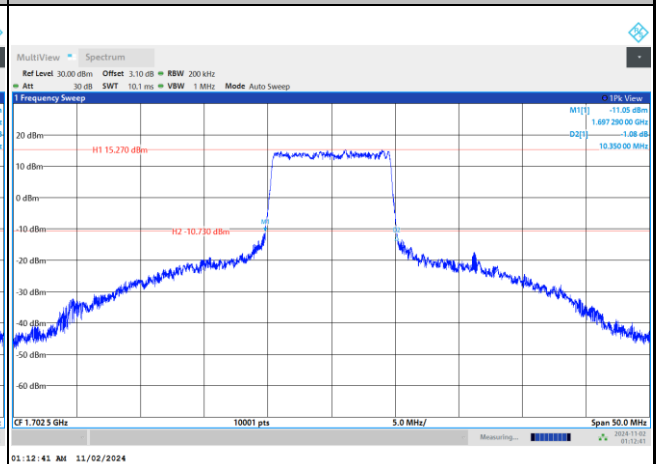


FR1 n70 / 10MHz / CP OFDM / Middle Channel / Full RB

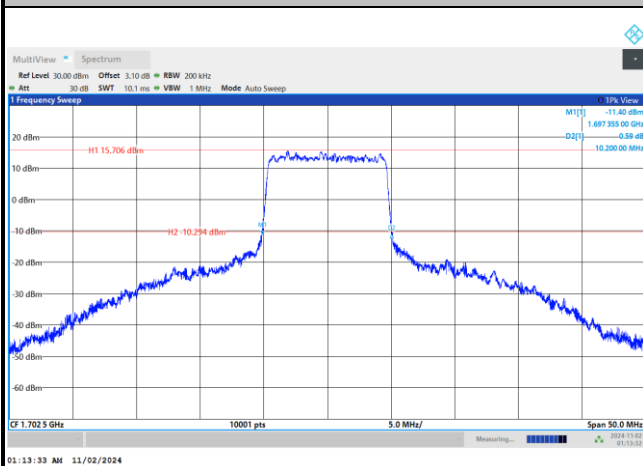
QPSK



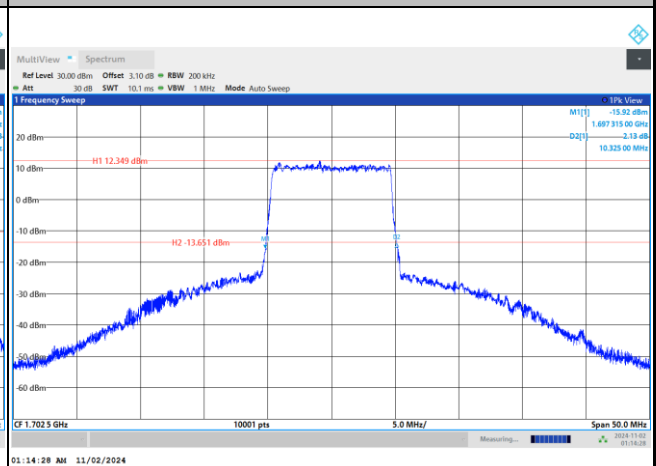
16QAM



64QAM



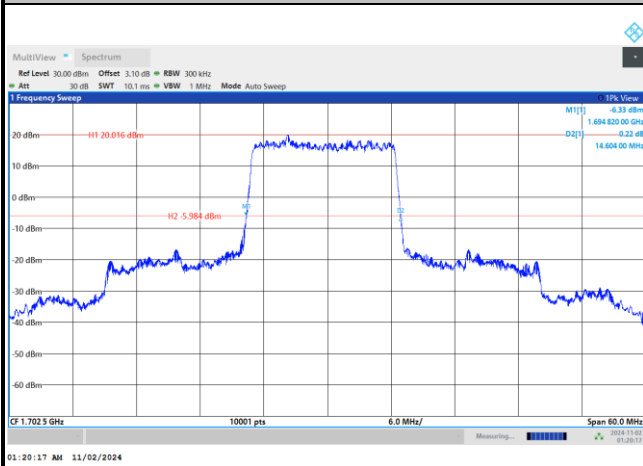
256QAM





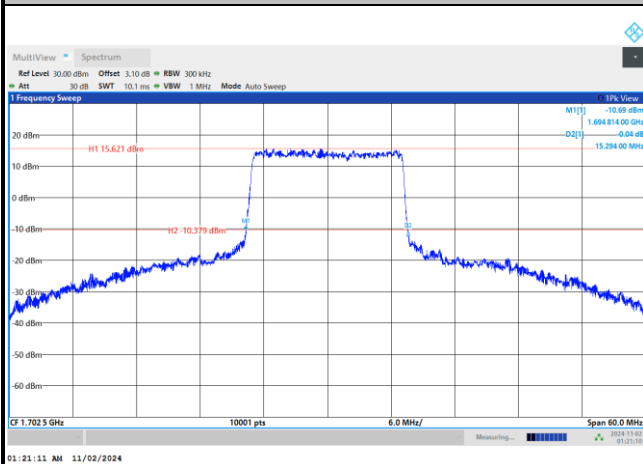
FR1 n70 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

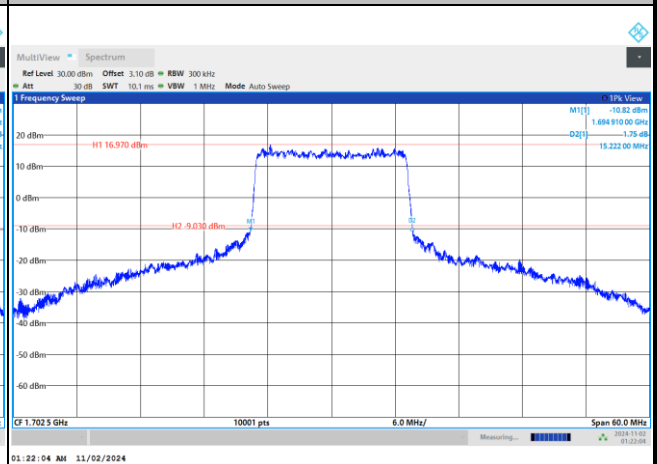


FR1 n70 / 15MHz / CP OFDM / Middle Channel / Full RB

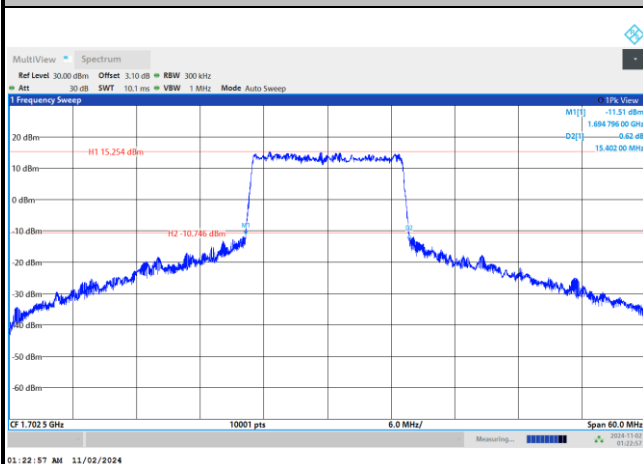
QPSK



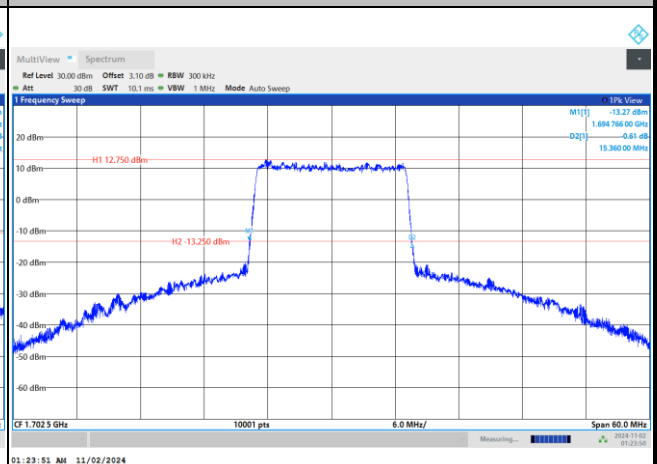
16QAM



64QAM



256QAM



**Occupied Bandwidth**

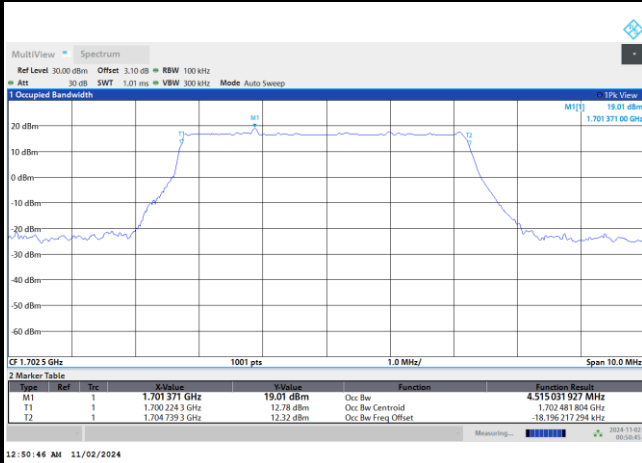
Mode	FR1 n70 : 99%OBW(MHz) / DFT-S OFDM				
BW	5MHz		10MHz		15MHz
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK
Middle CH	4.51		8.97		13.47

Mode	FR1 n70 : 99%OBW (MHz) / CP OFDM						
BW	5MHz		10MHz		15MHz		
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	
Middle CH	4.50	4.56	9.34	9.32	14.15	14.18	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	
Middle CH	4.52	4.53	9.33	9.35	14.22	14.17	



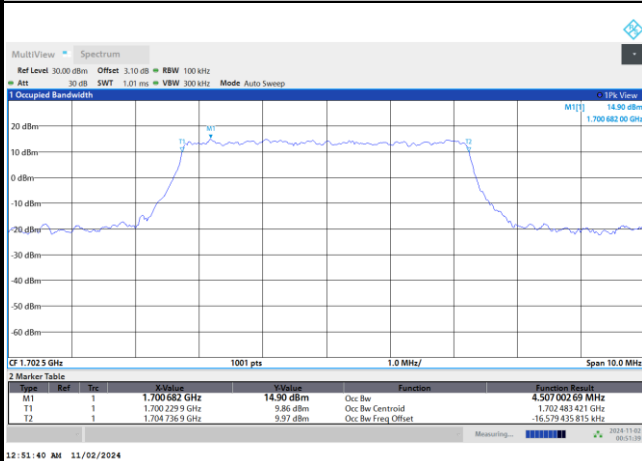
FR1 n70 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

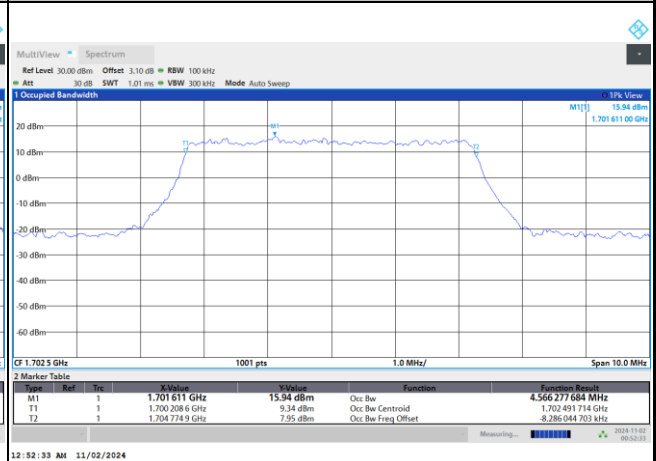


FR1 n70 / 5MHz / CP OFDM / Middle Channel / Full RB

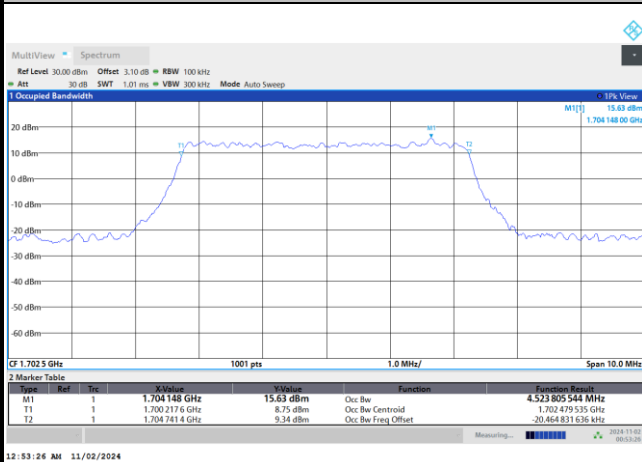
QPSK



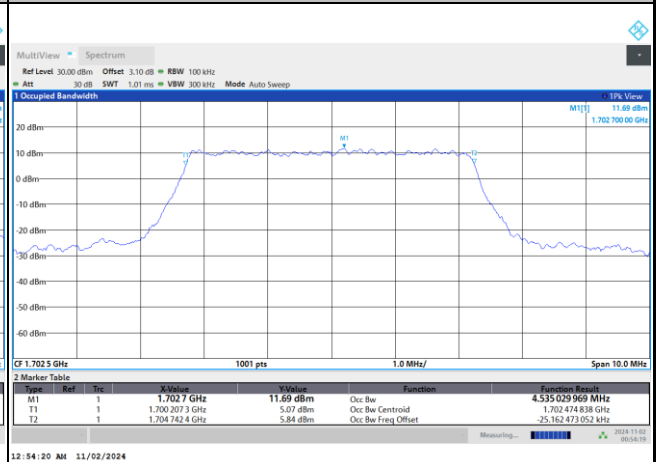
16QAM



64QAM



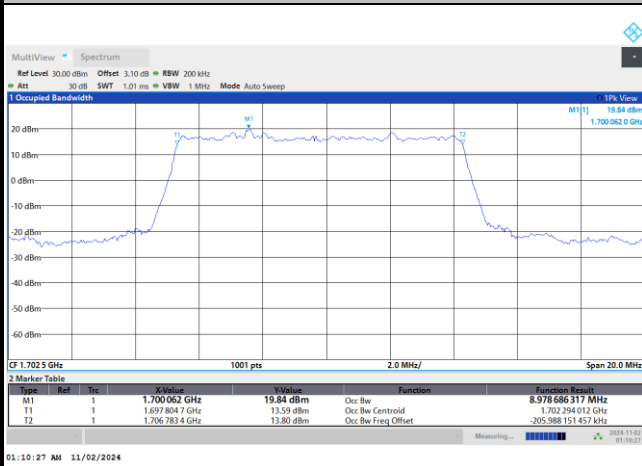
256QAM





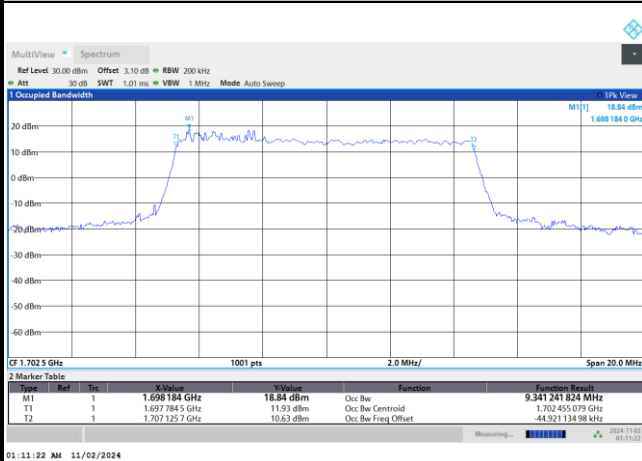
FR1 n70 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

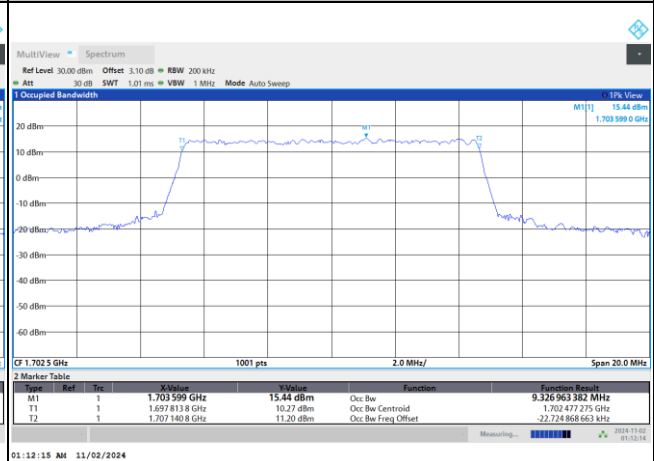


FR1 n70 / 10MHz / CP OFDM / Middle Channel / Full RB

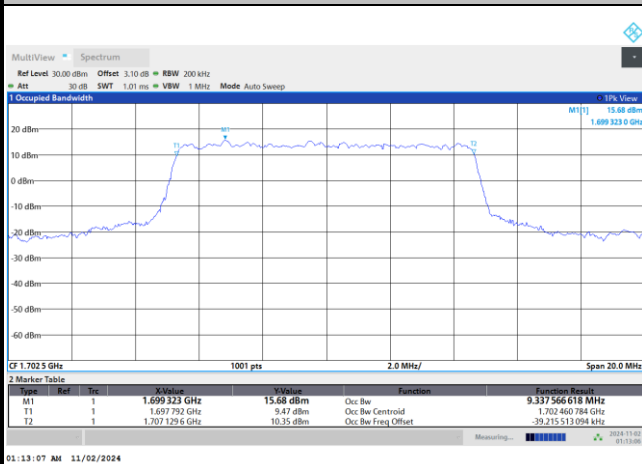
QPSK



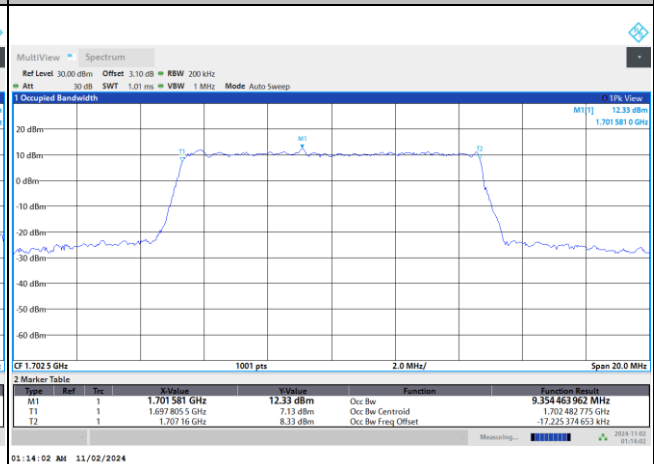
16QAM



64QAM



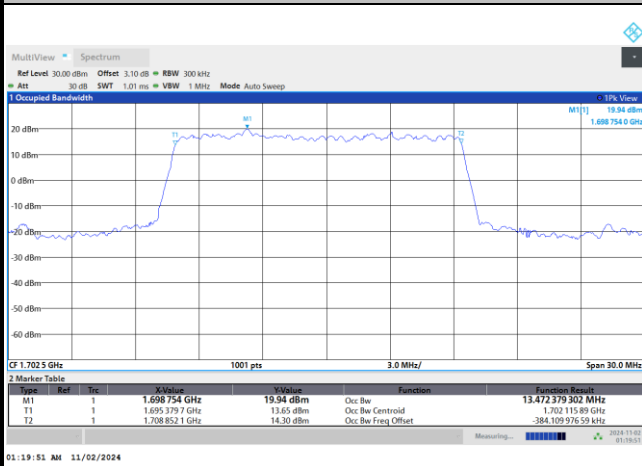
256QAM





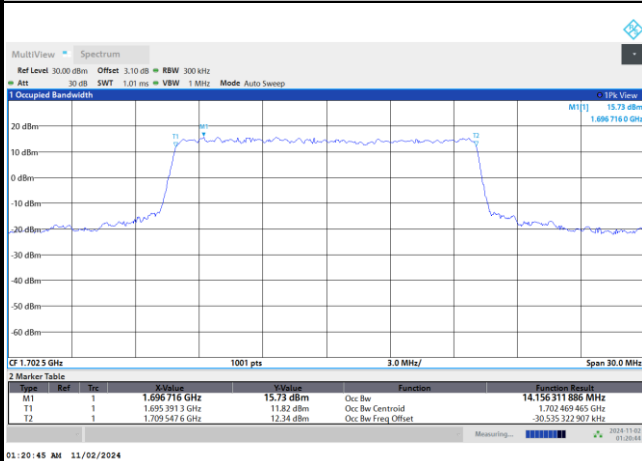
FR1 n70 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

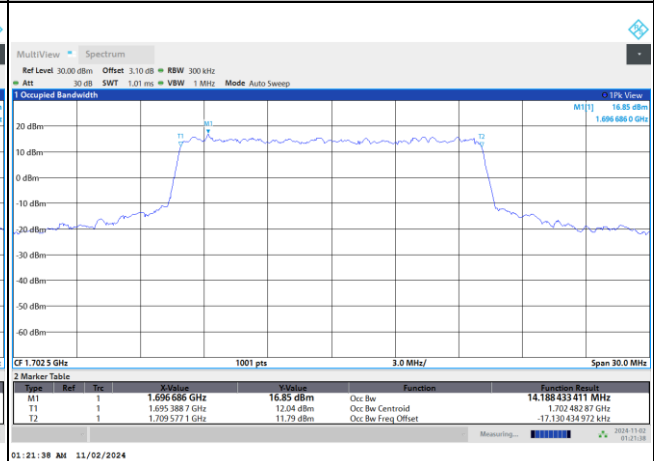


FR1 n70 / 15MHz / CP OFDM / Middle Channel / Full RB

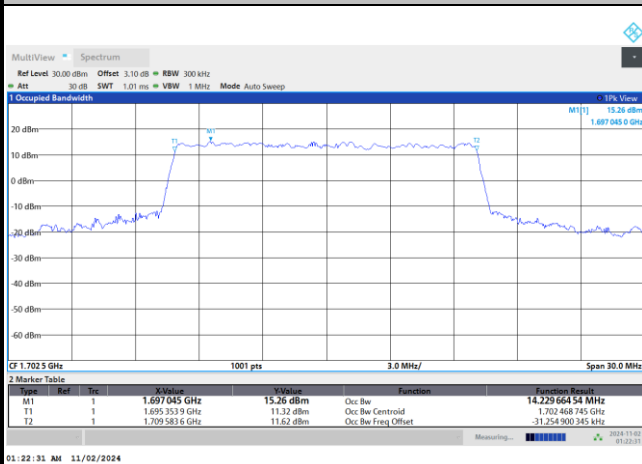
QPSK



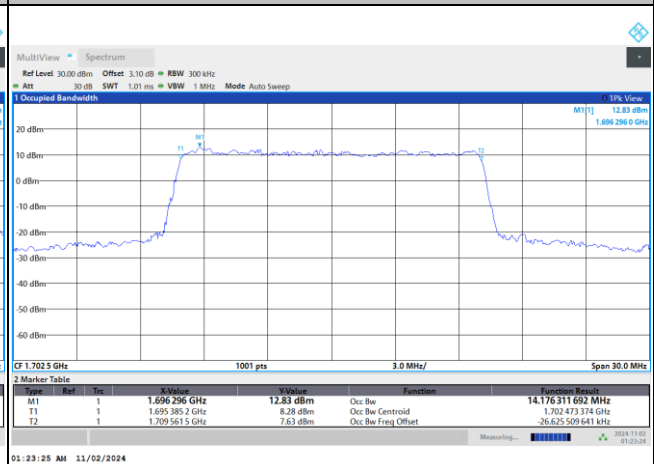
16QAM



64QAM



256QAM

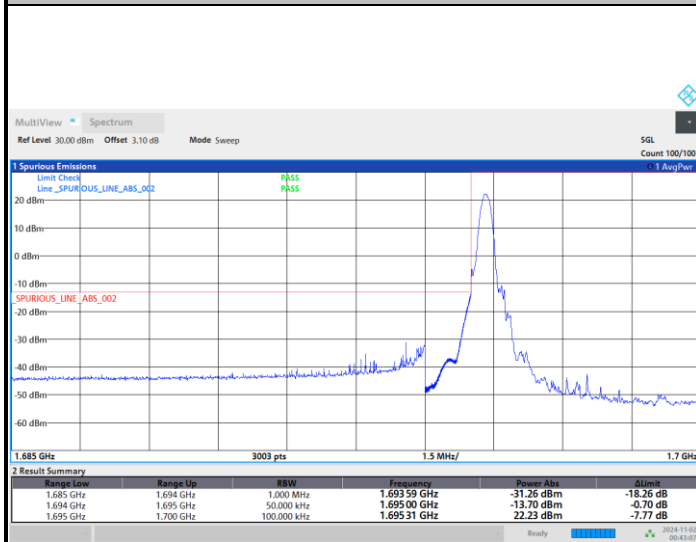




Conducted Band Edge

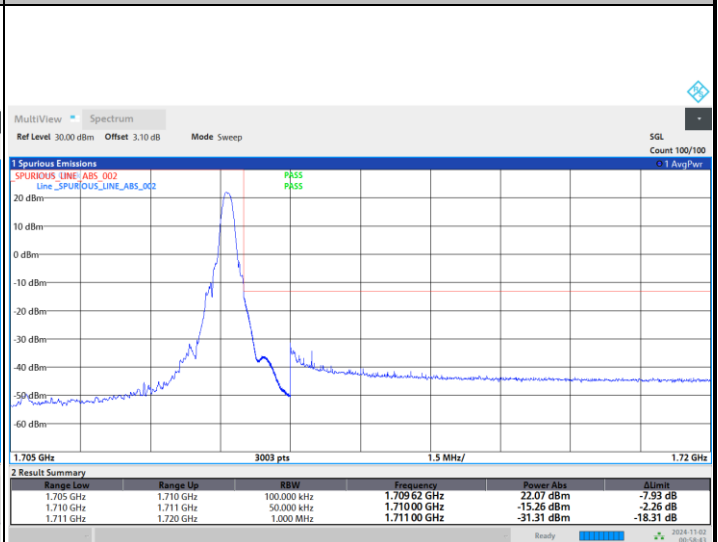
FR1 n70 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0



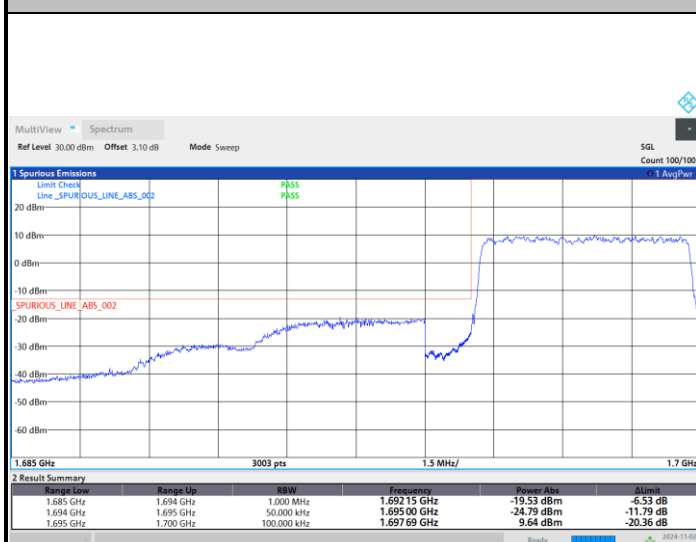
12:43:08 AM 11/02/2024

Highest Band Edge / 1RBmax



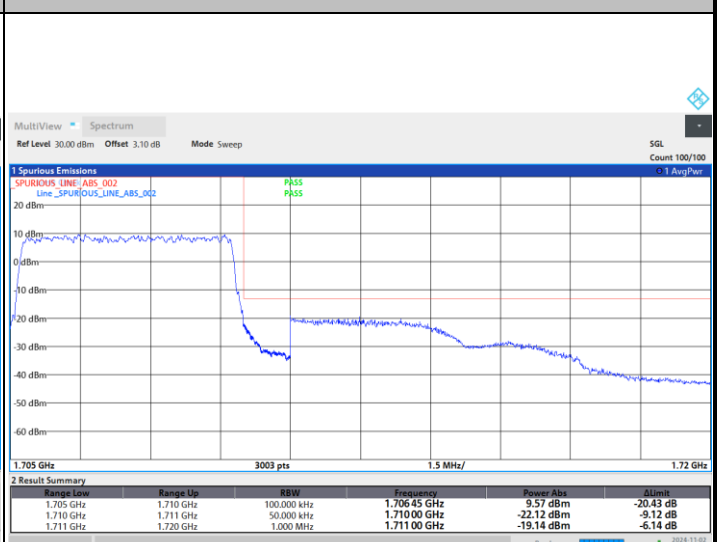
12:58:43 AM 11/02/2024

Lowest Band Edge / Full RB



12:43:37 AM 11/02/2024

Highest Band Edge / Full RB



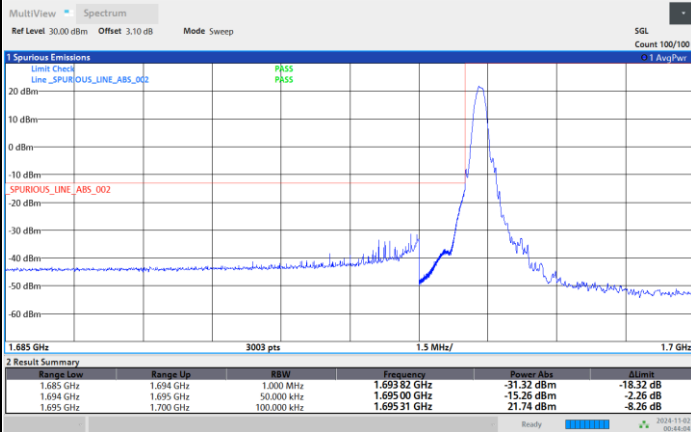
12:59:10 AM 11/02/2024



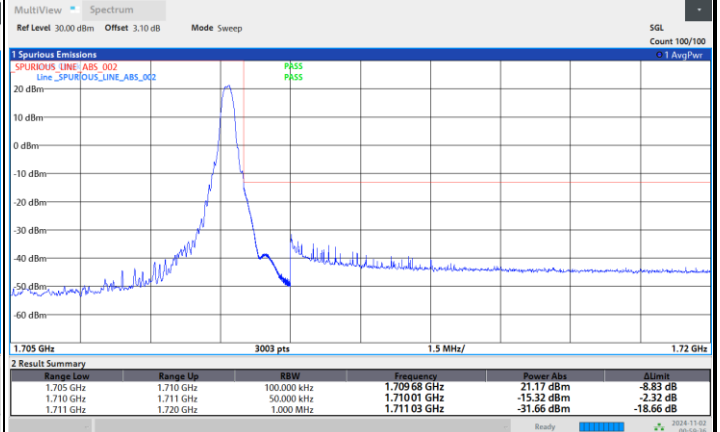
FR1 n70 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



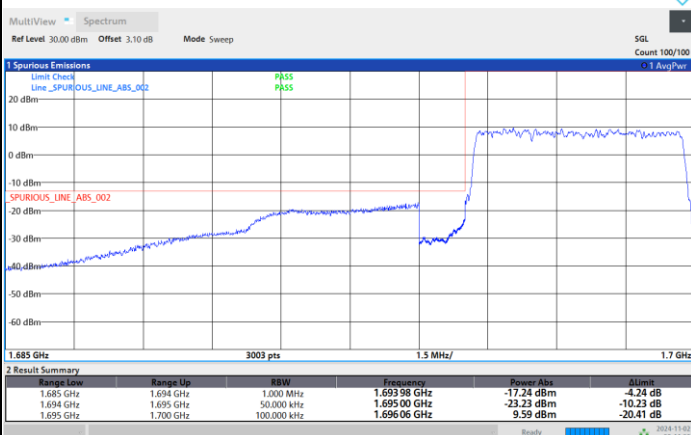
12:44:05 AM 11/02/2024



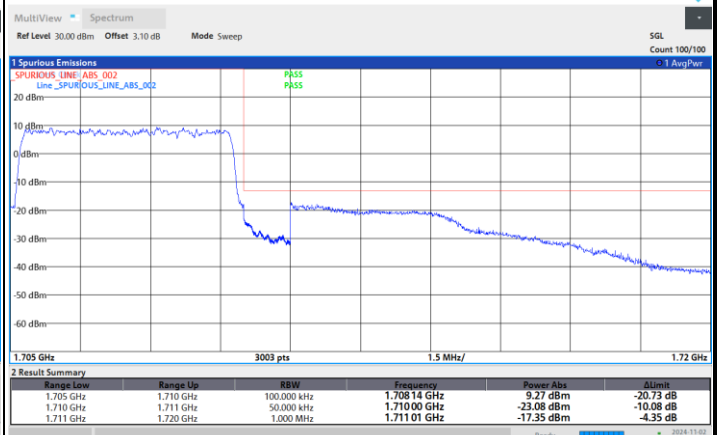
12:59:37 AM 11/02/2024

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



12:44:33 AM 11/02/2024



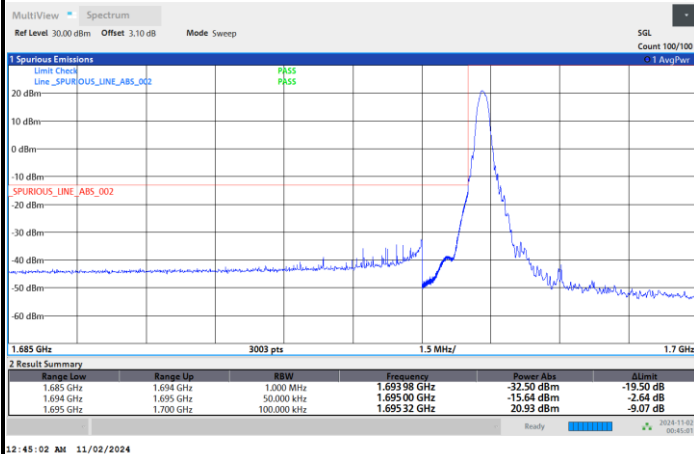
01:00:04 AM 11/02/2024



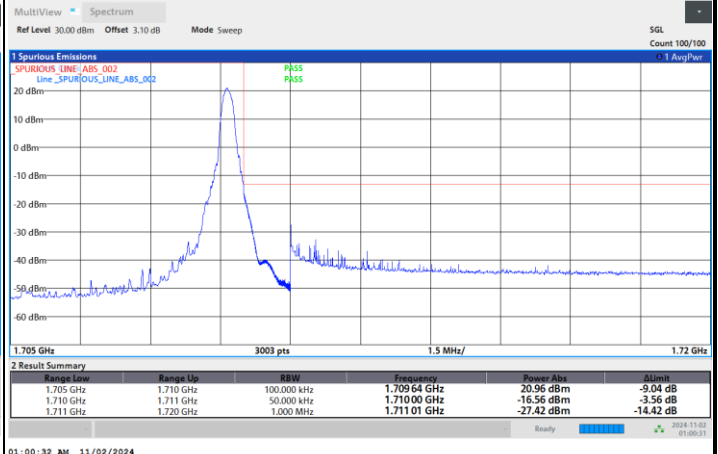
FR1 n70 / 5MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



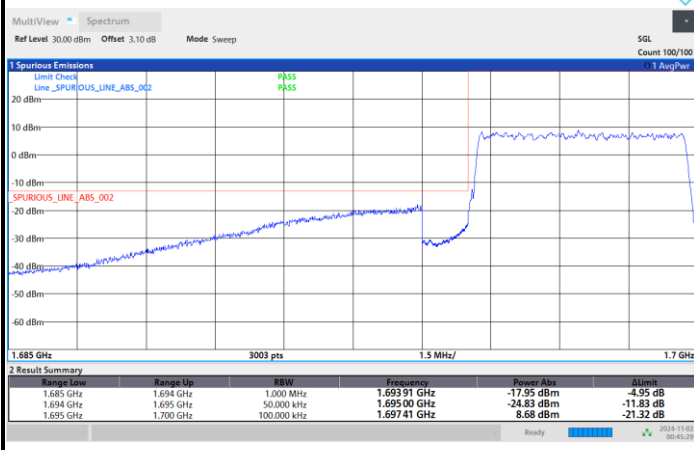
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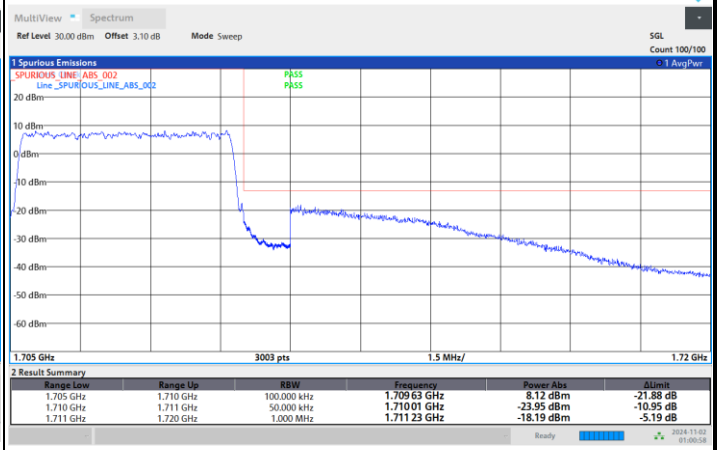
01:00:32 AM 11/02/2024

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



12:45:30 AM 11/02/2024

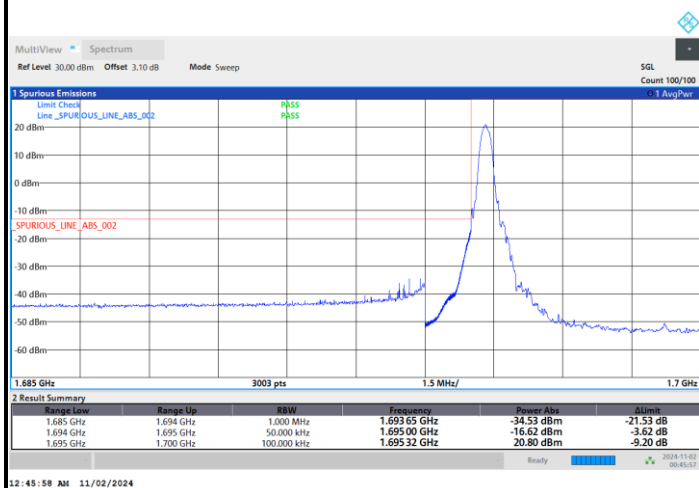


01:00:59 AM 11/02/2024

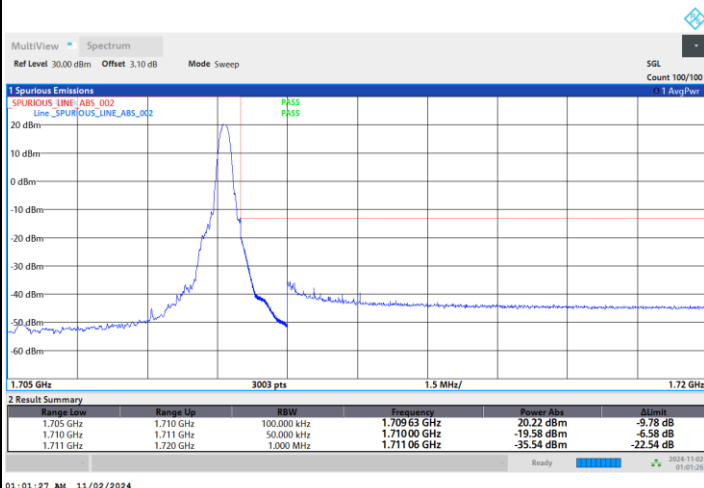


FR1 n70 / 5MHz / DFT-S OFDM / 64QAM

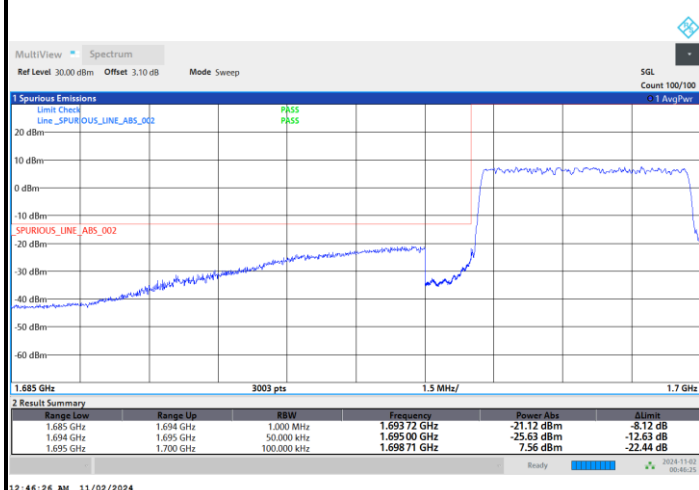
Lowest Band Edge / 1RB0



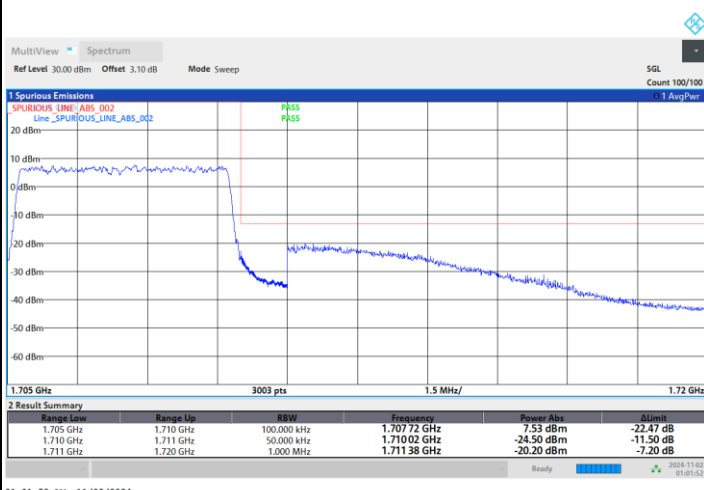
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

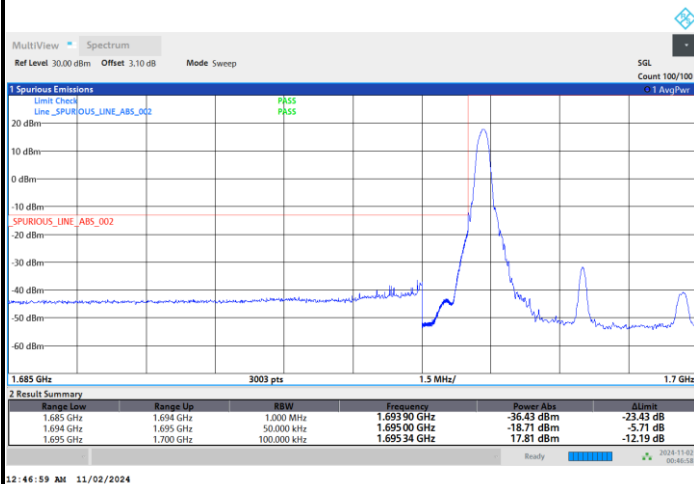




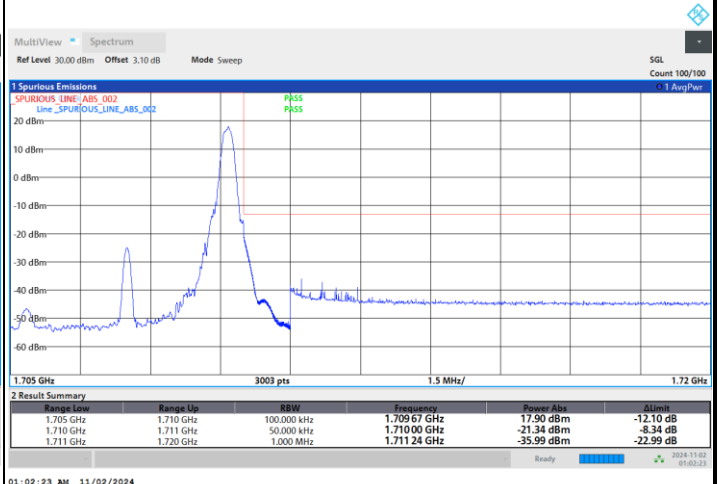
FR1 n70 / 5MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



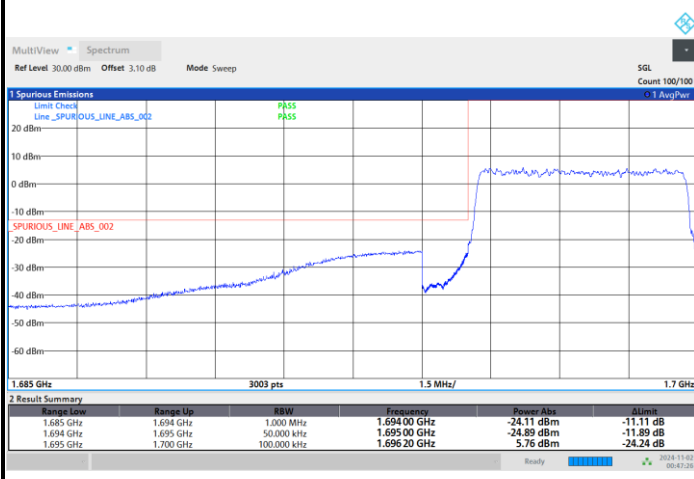
12:46:59 AM 11/02/2024



01:02:23 AM 11/02/2024

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



12:47:28 AM 11/02/2024



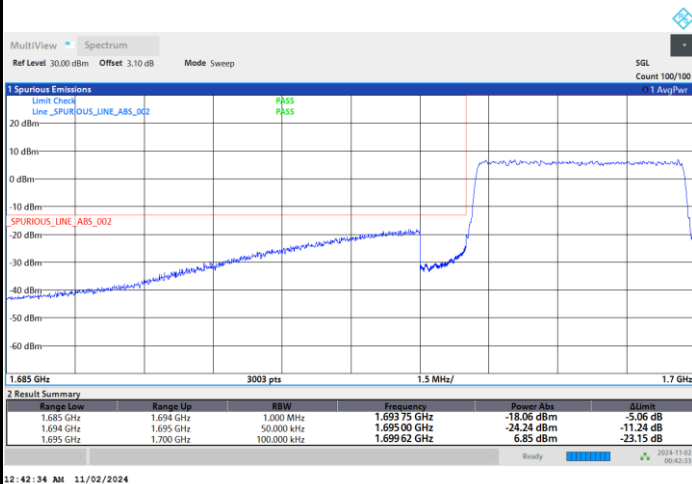
01:02:58 AM 11/02/2024



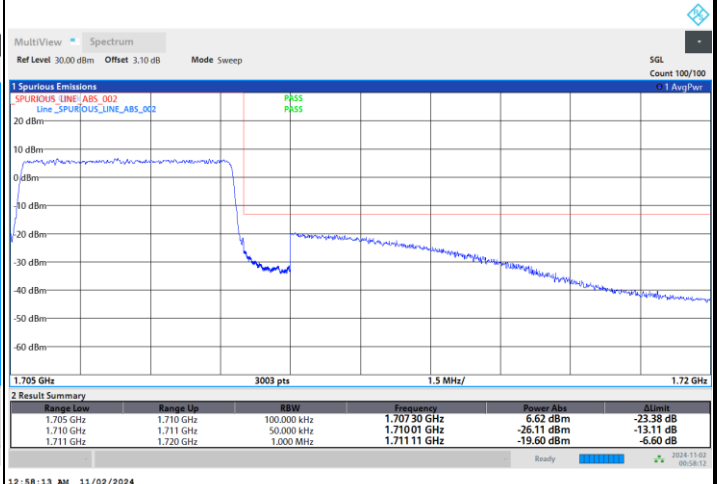
FR1 n70 / 5MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



12:42:34 AM 11/02/2024

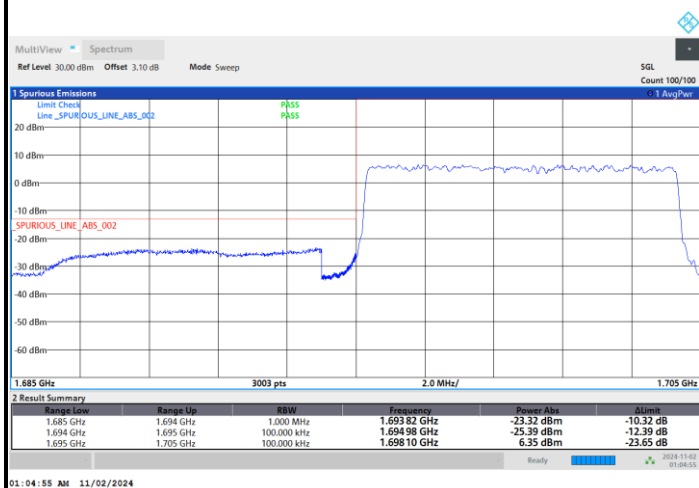


12:58:13 AM 11/02/2024



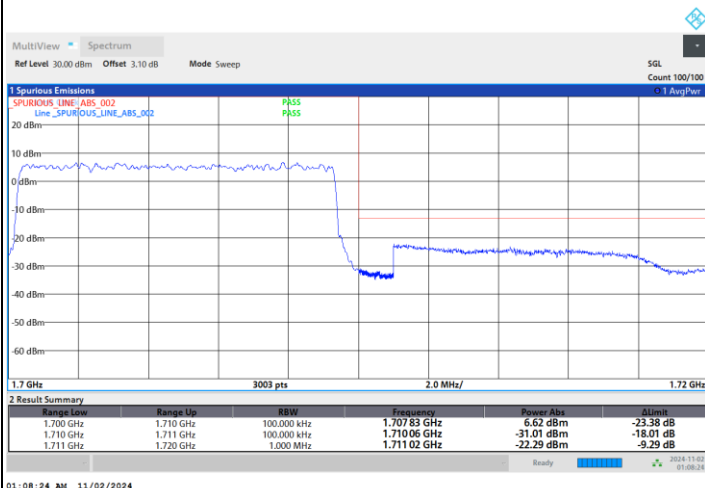
FR1 n70 / 10MHz / DFT-s-OFDM / PI/2 BPSK / Full RB

Lowest Band Edge



01:04:55 AM 11/02/2024

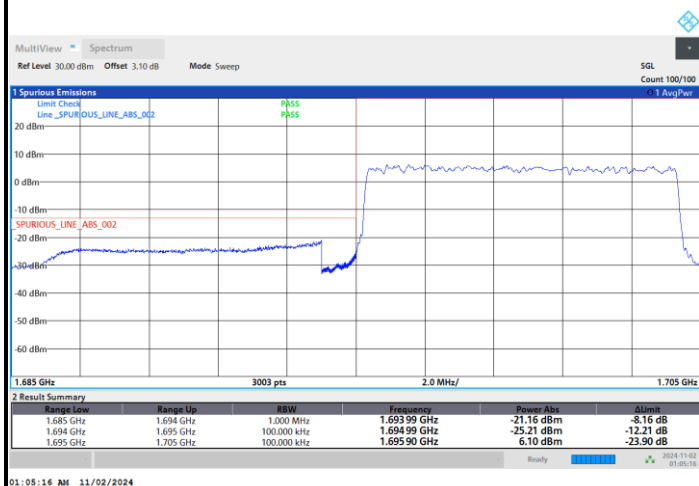
Highest Band Edge



01:08:24 AM 11/02/2024

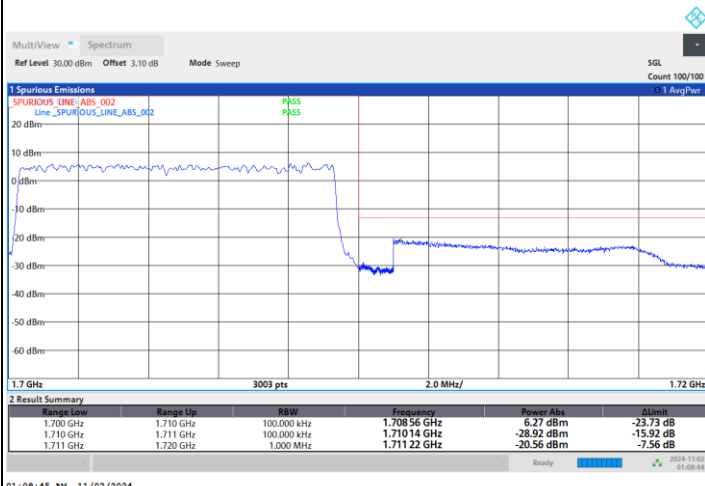
FR1 n70 / 10MHz / DFT-s-OFDM / QPSK / Full RB

Lowest Band Edge



01:05:16 AM 11/02/2024

Highest Band Edge

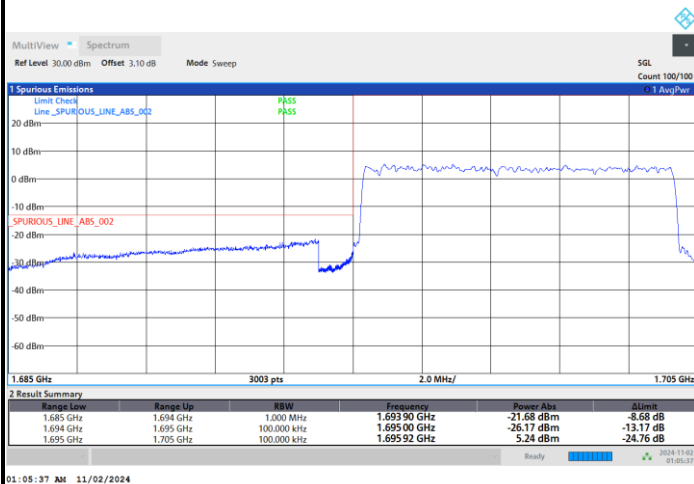


01:08:45 AM 11/02/2024

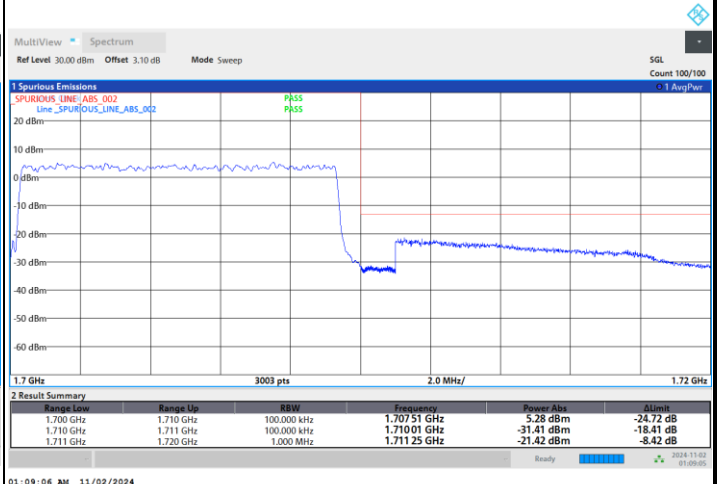


FR1 n70 / 10MHz / DFT-s-OFDM / 16QAM / Full RB

Lowest Band Edge

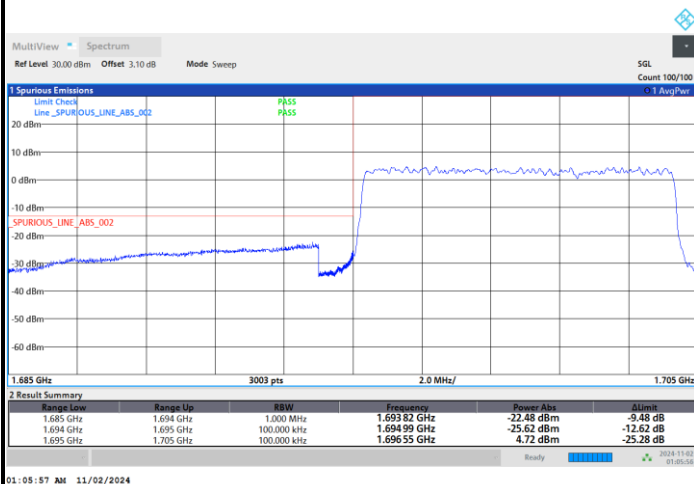


Highest Band Edge

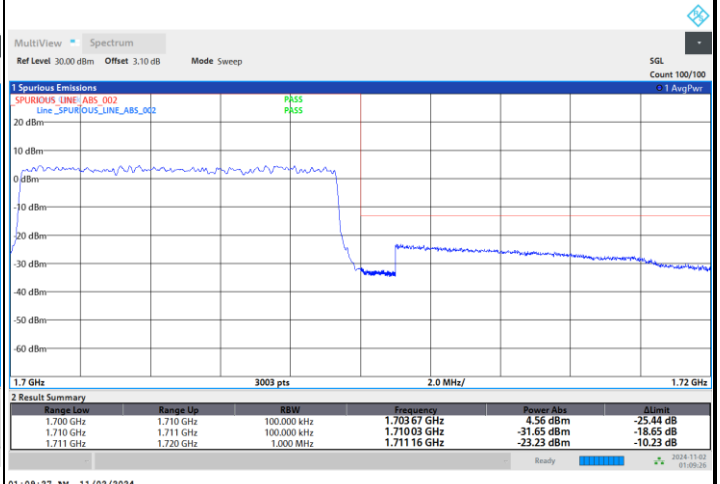


FR1 n70 / 10MHz / DFT-s-OFDM / 64QAM / Full RB

Lowest Band Edge



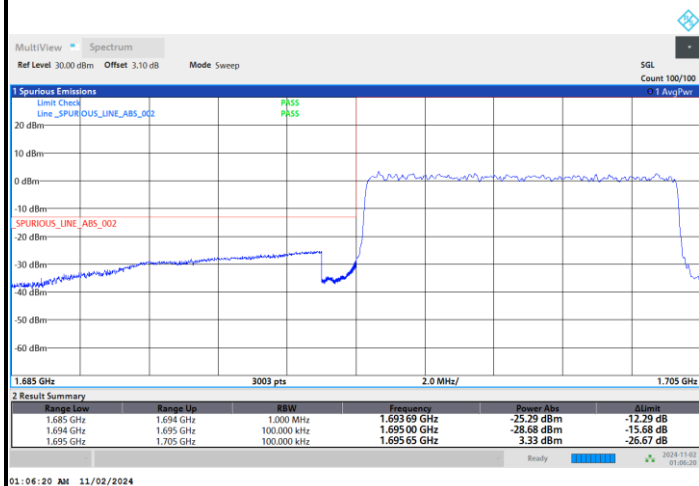
Highest Band Edge





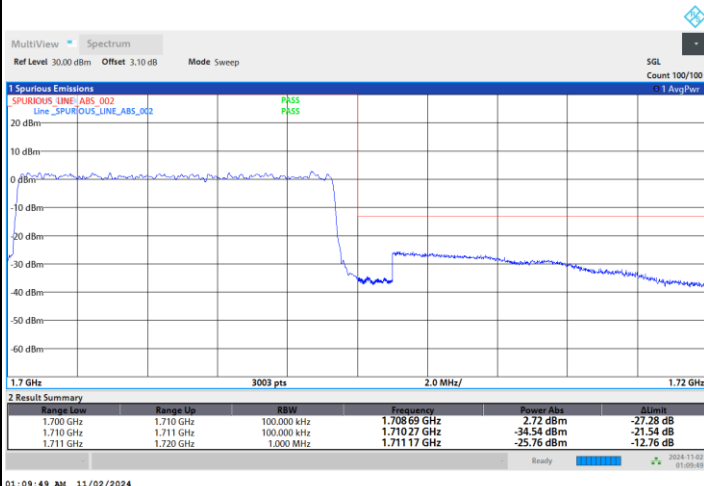
FR1 n70 / 10MHz / DFT-s-OFDM / 256QAM / Full RB

Lowest Band Edge



01:06:20 AM 11/02/2024

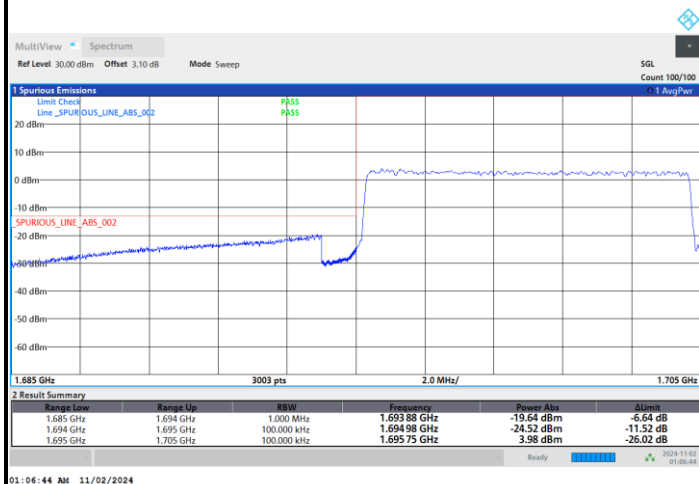
Highest Band Edge



01:09:49 AM 11/02/2024

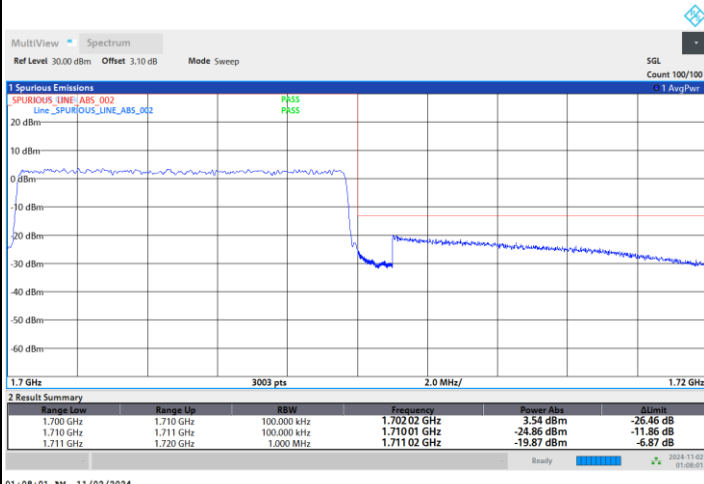
FR1 n70 / 10MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



01:06:44 AM 11/02/2024

Highest Band Edge

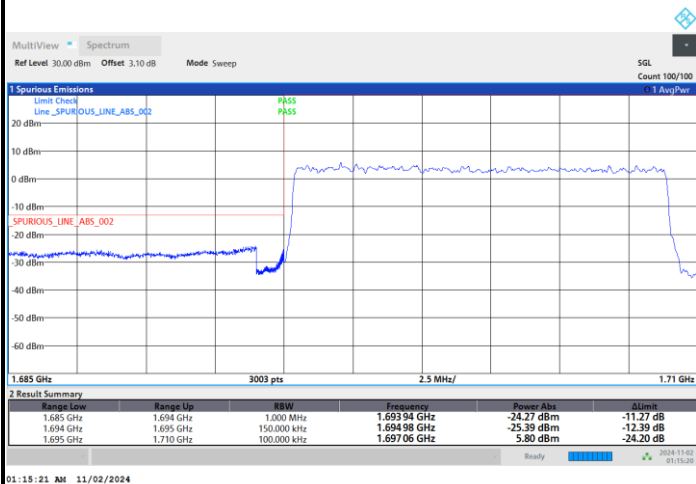


01:08:01 AM 11/02/2024



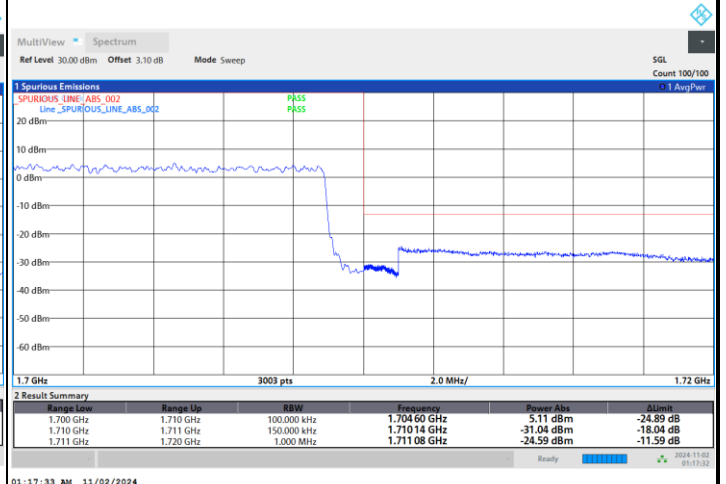
FR1 n70 / 15MHz / DFT-s-OFDM / PI/2 BPSK / Full RB

Lowest Band Edge



01:15:21 AM 11/02/2024

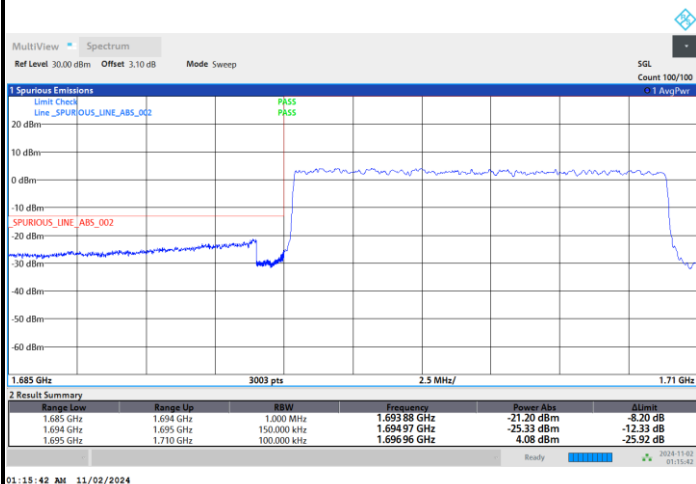
Highest Band Edge



01:17:33 AM 11/02/2024

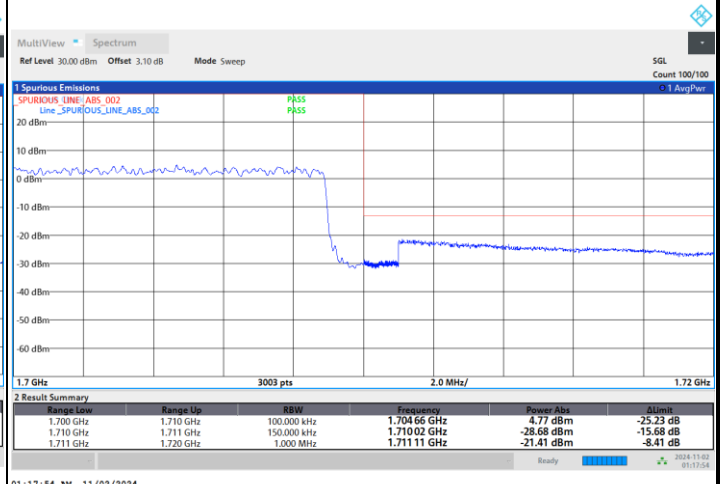
FR1 n70 / 15MHz / DFT-s-OFDM / QPSK / Full RB

Lowest Band Edge



01:15:42 AM 11/02/2024

Highest Band Edge



01:17:54 AM 11/02/2024