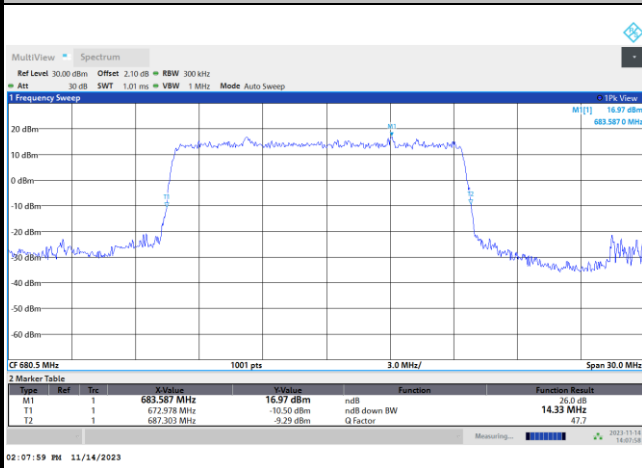




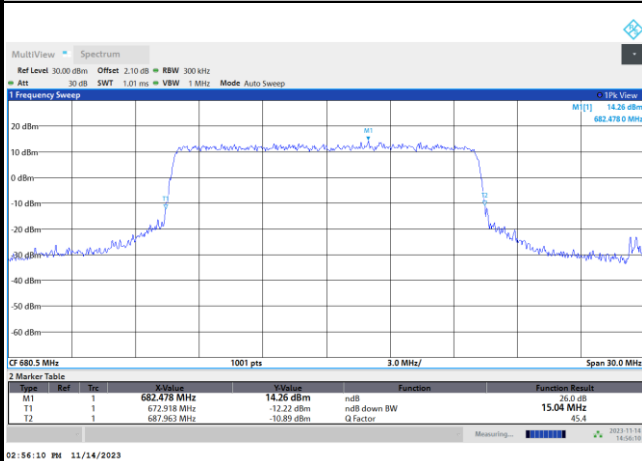
FR1 n71 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

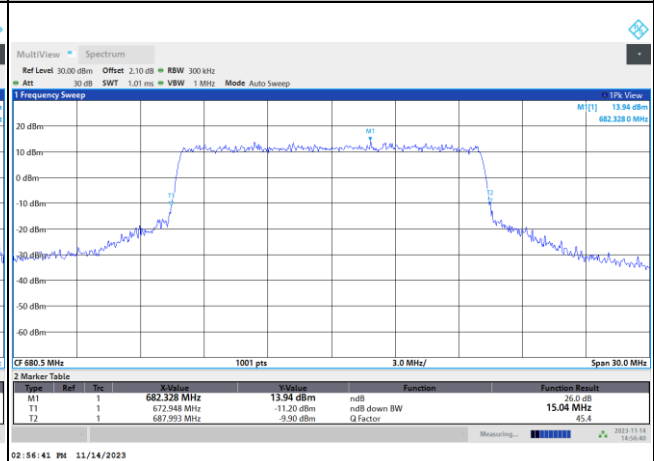


FR1 n71 / 15MHz / CP OFDM / Middle Channel / Full RB

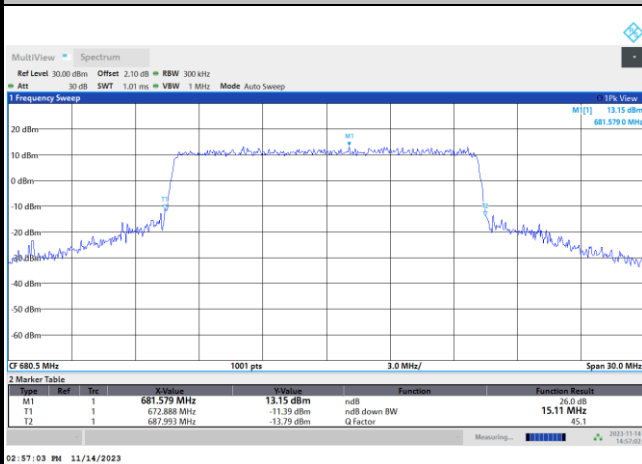
QPSK



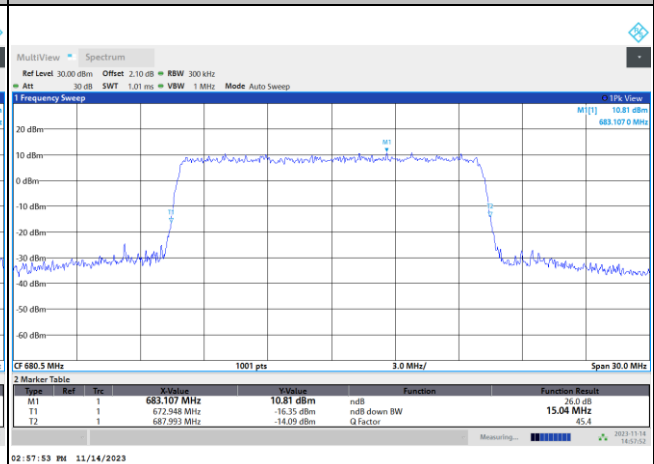
16QAM



64QAM



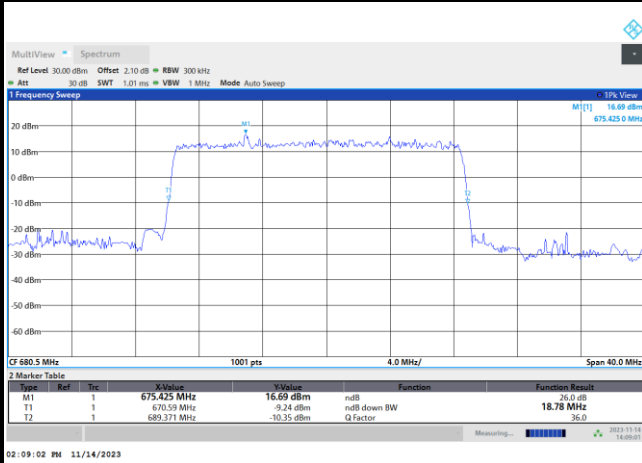
256QAM





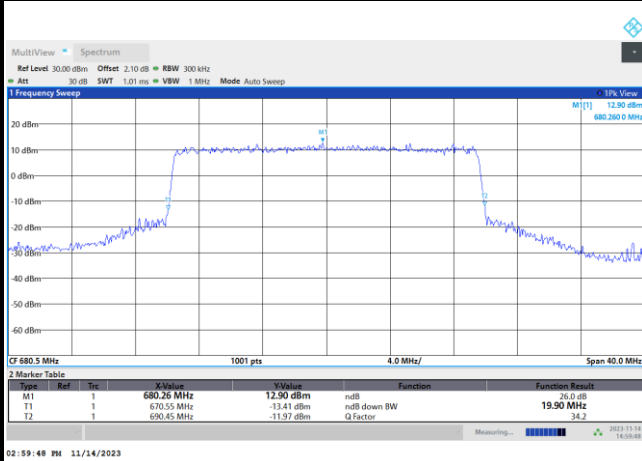
FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

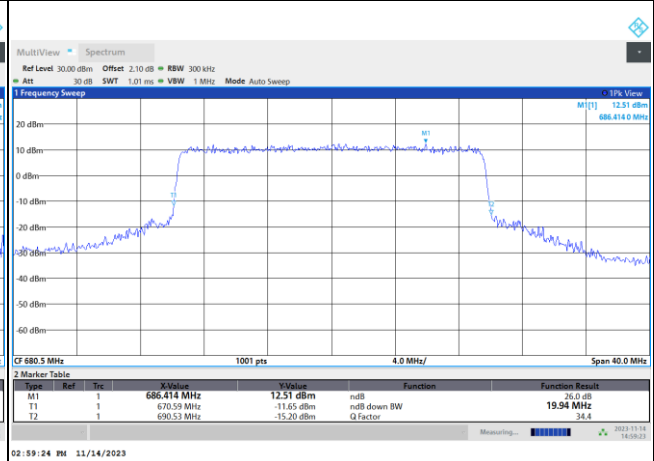


FR1 n71 / 20MHz / CP OFDM / Middle Channel / Full RB

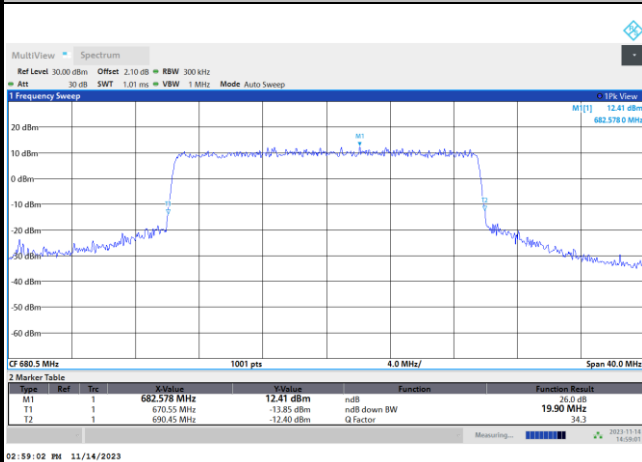
QPSK



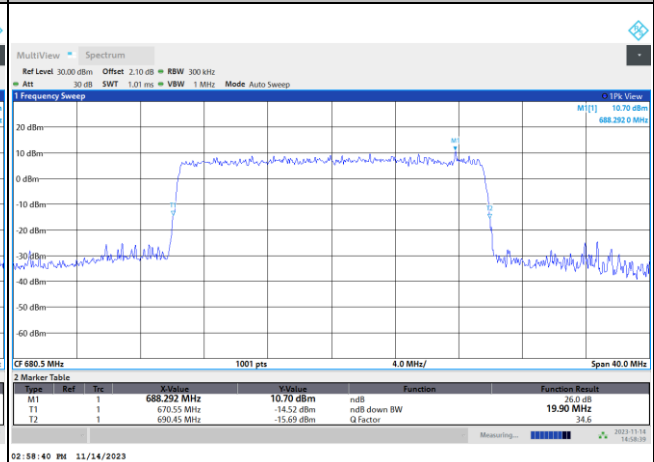
16QAM



64QAM



256QAM



**Occupied Bandwidth**

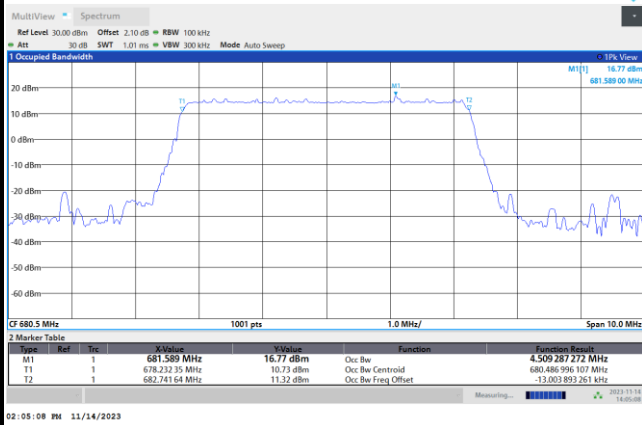
Mode	FR1 n71 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.50		8.93		13.48		17.86	

Mode	FR1 n71 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.48	9.28	9.28	14.19	14.14	18.91	18.93
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.50	4.49	9.28	9.29	14.14	14.13	18.95	18.95



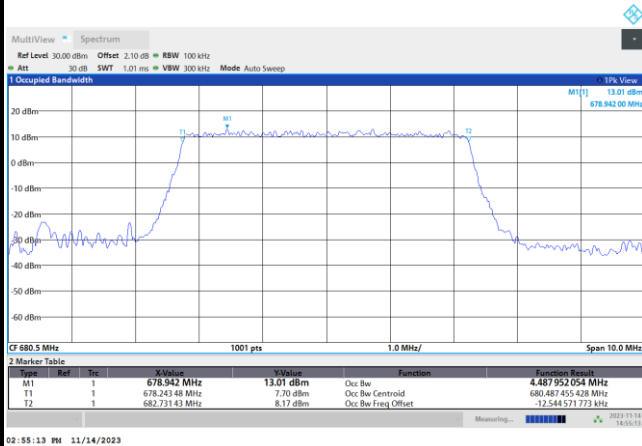
FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

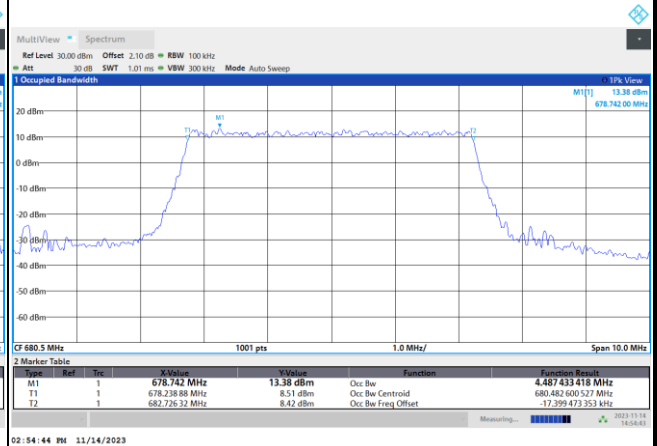


FR1 n71 / 5MHz / CP OFDM / Middle Channel / Full RB

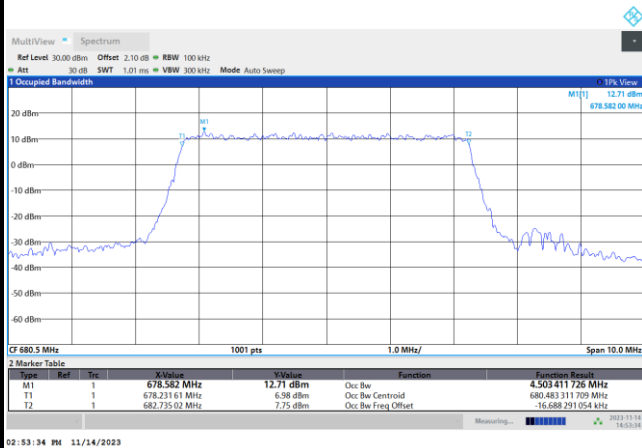
QPSK



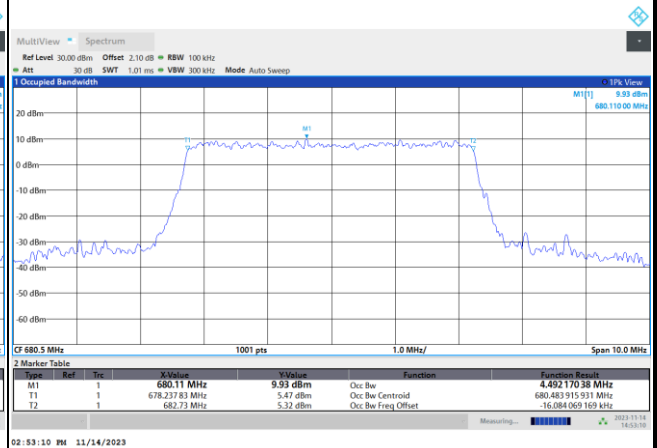
16QAM



64QAM



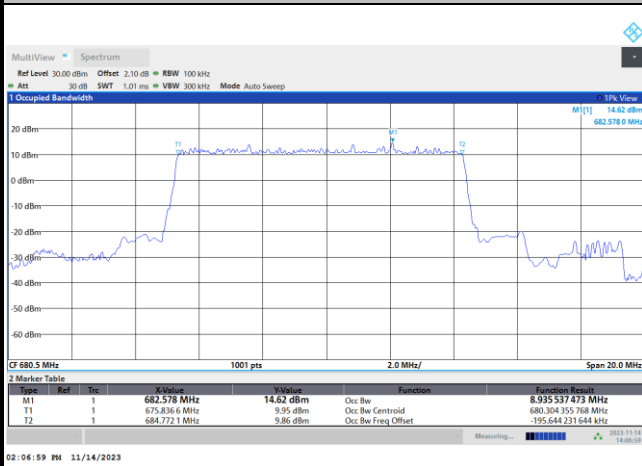
256QAM





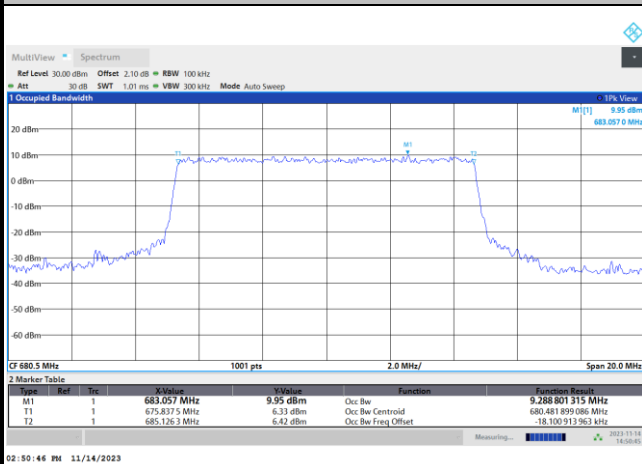
FR1 n71 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

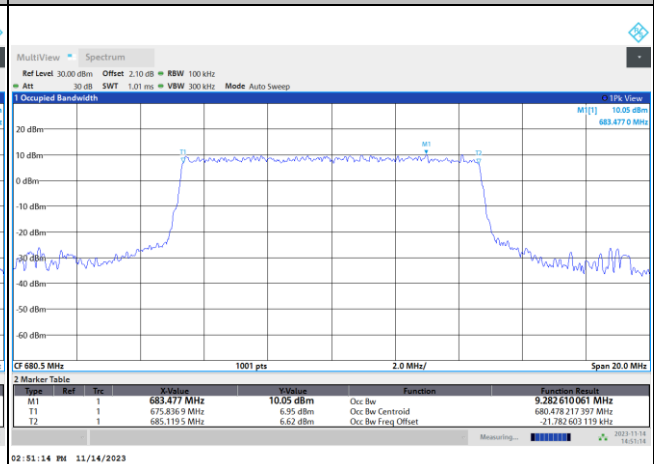


FR1 n71 / 10MHz / CP OFDM / Middle Channel / Full RB

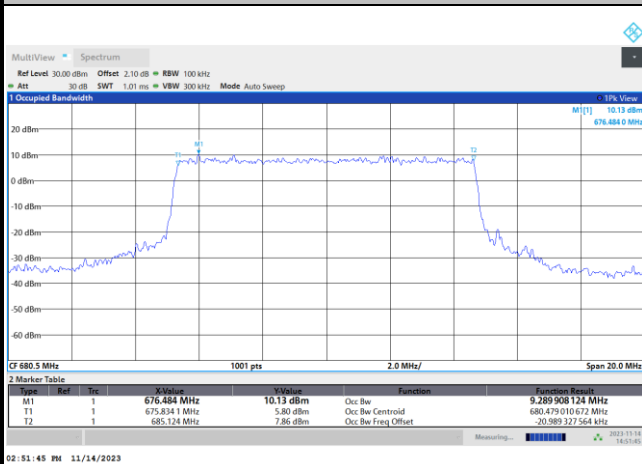
QPSK



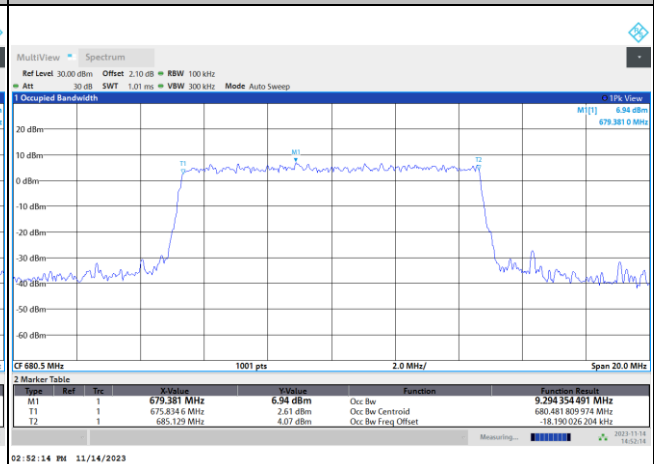
16QAM



64QAM



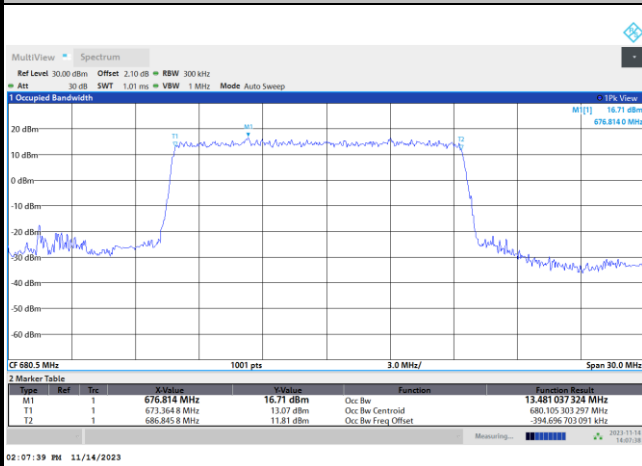
256QAM





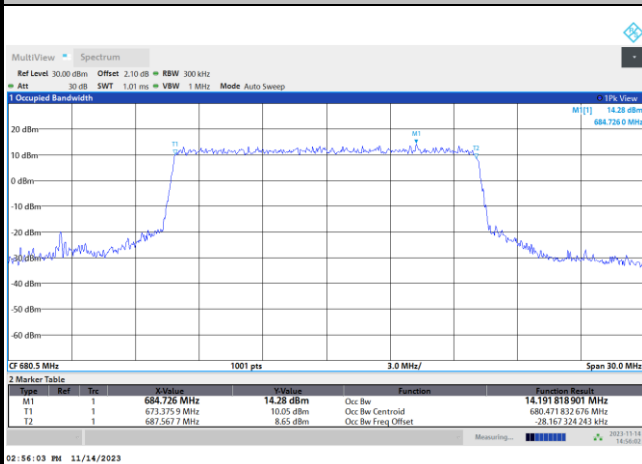
FR1 n71 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

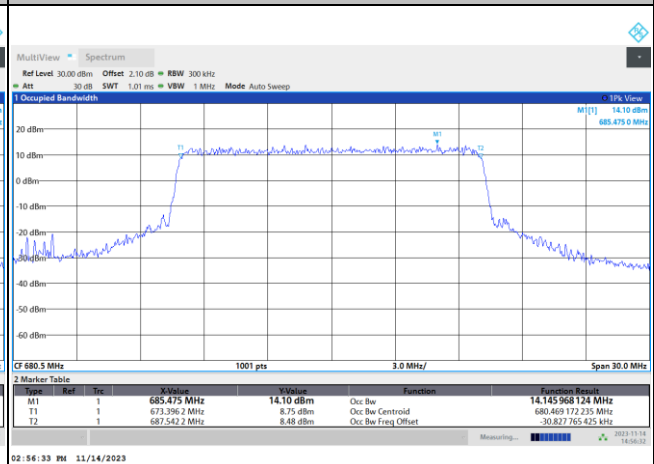


FR1 n71 / 15MHz / CP OFDM / Middle Channel / Full RB

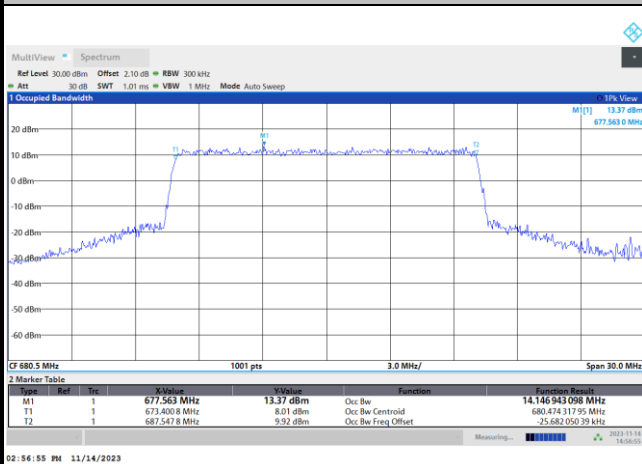
QPSK



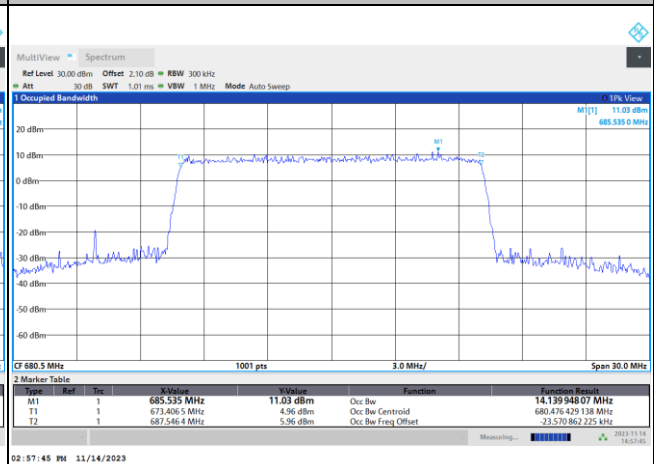
16QAM



64QAM



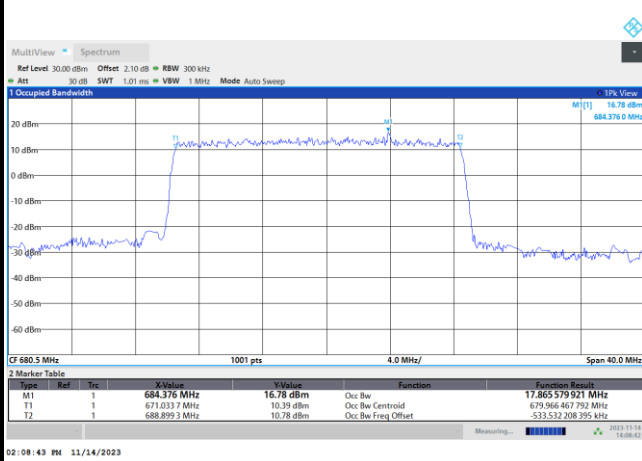
256QAM





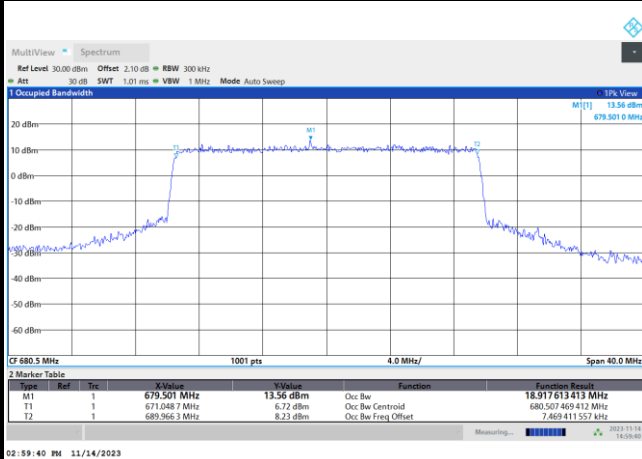
FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

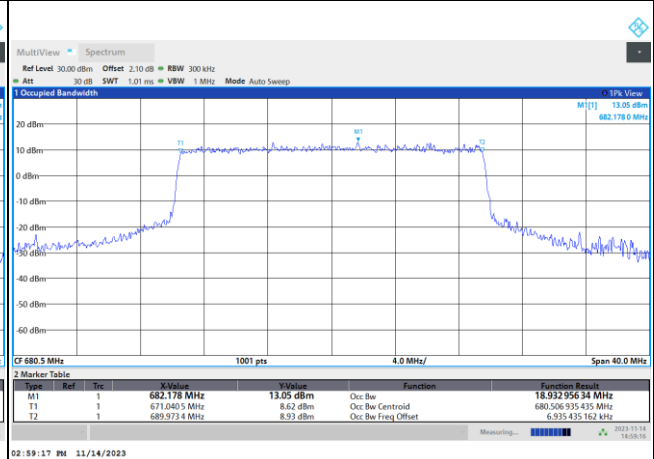


FR1 n71 / 20MHz / CP OFDM / Middle Channel / Full RB

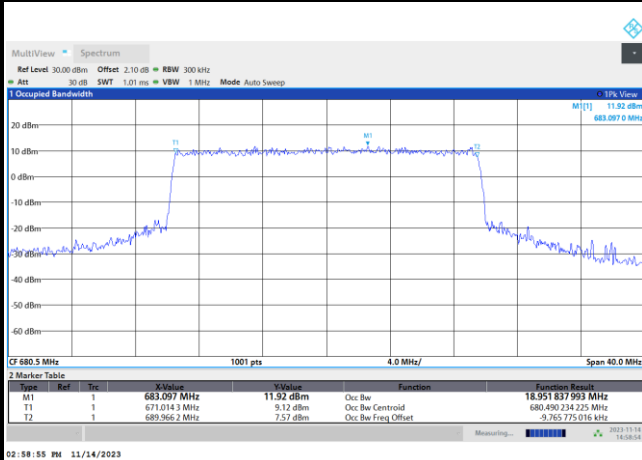
QPSK



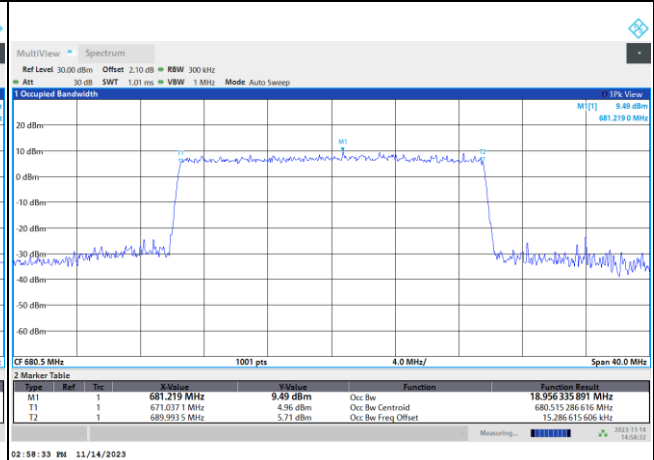
16QAM



64QAM



256QAM

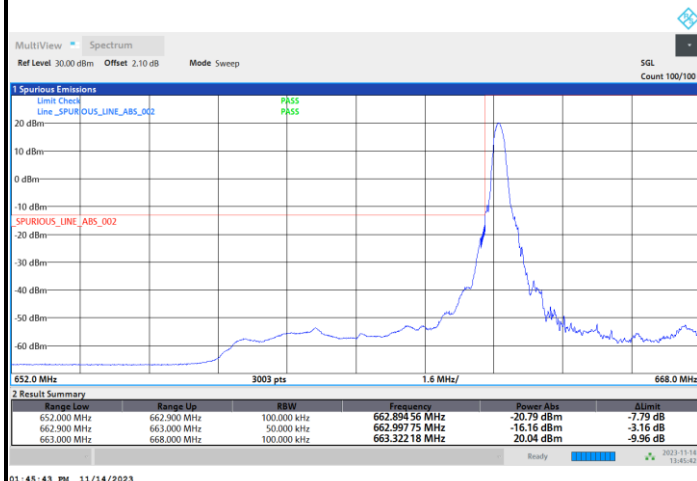




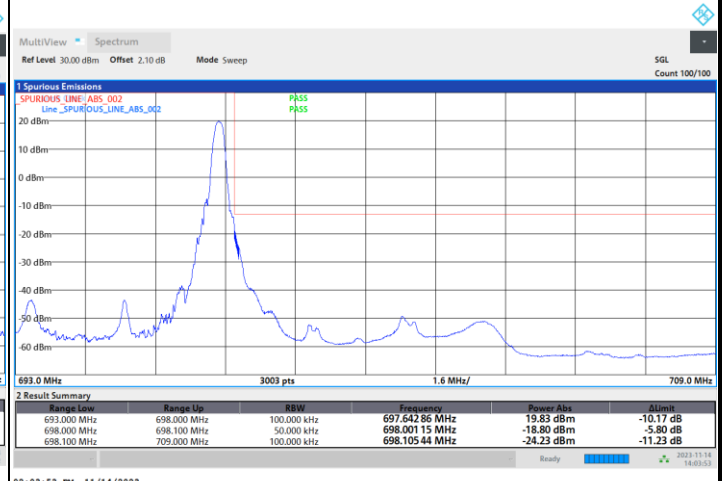
Conducted Band Edge

FR1 n71 / 5MHz / DFT-S OFDM / PI/2 BPSK

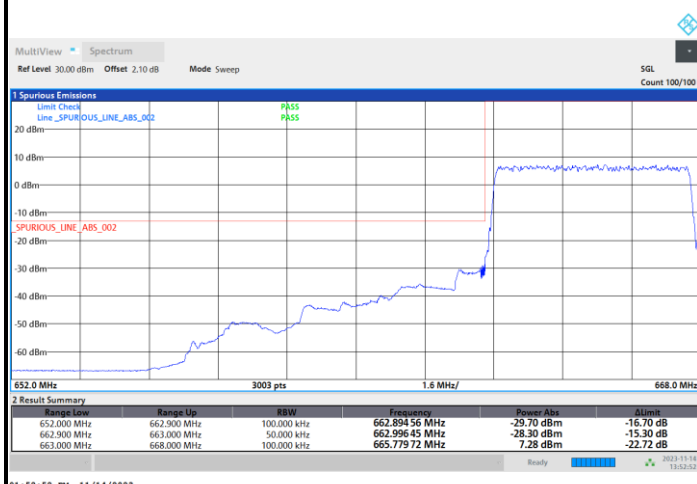
Lowest Band Edge / 1RB0



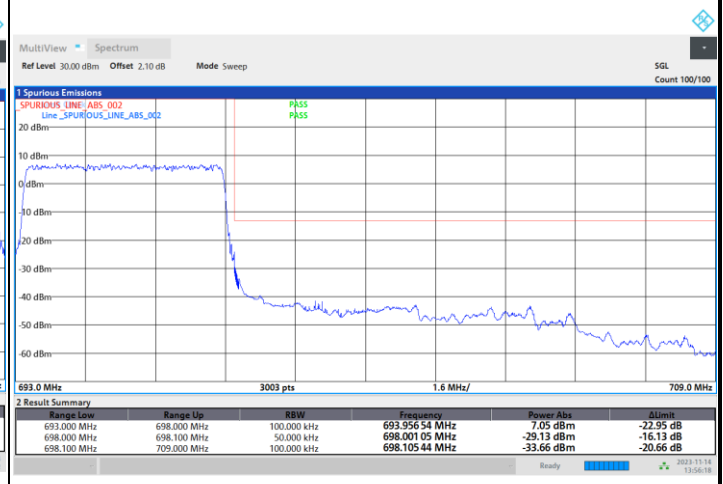
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

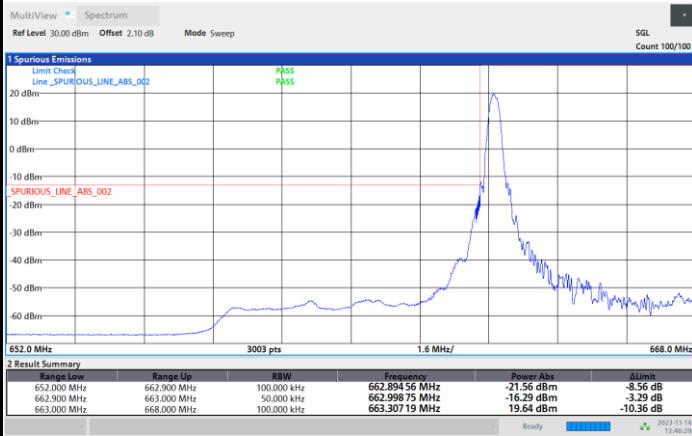




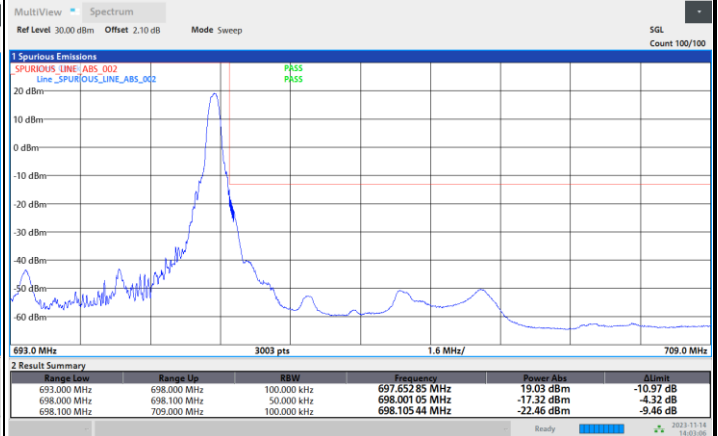
FR1 n71 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



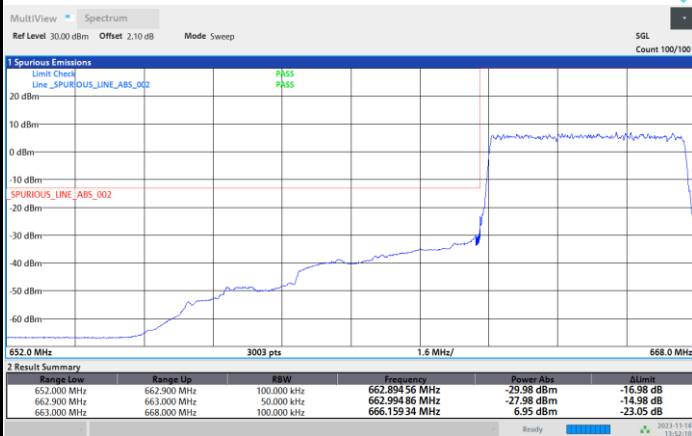
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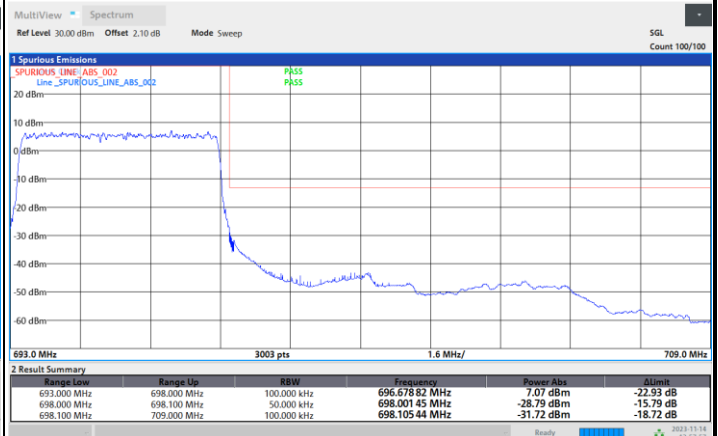
02:03:07 PM 11/14/2023

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



01:52:10 PM 11/14/2023



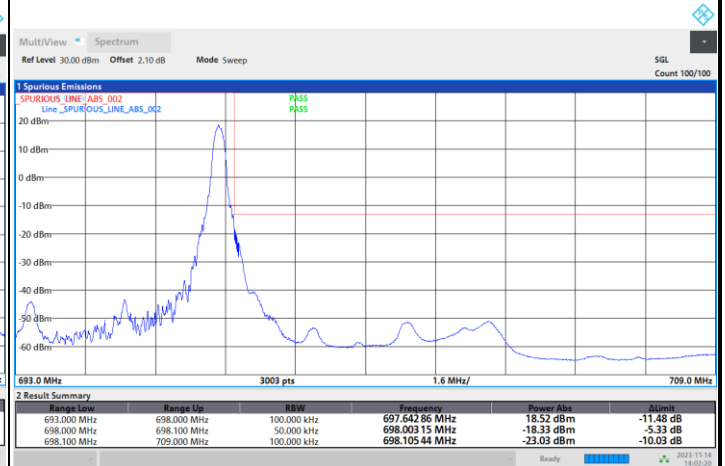
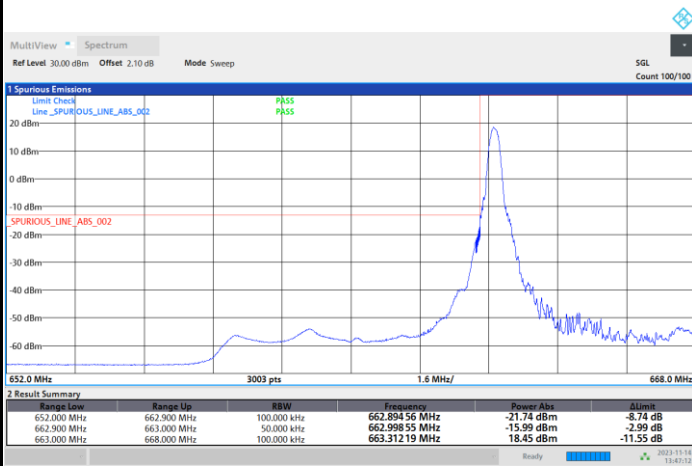
01:57:58 PM 11/14/2023



FR1 n71 / 5MHz / DFT-S OFDM / 16QAM

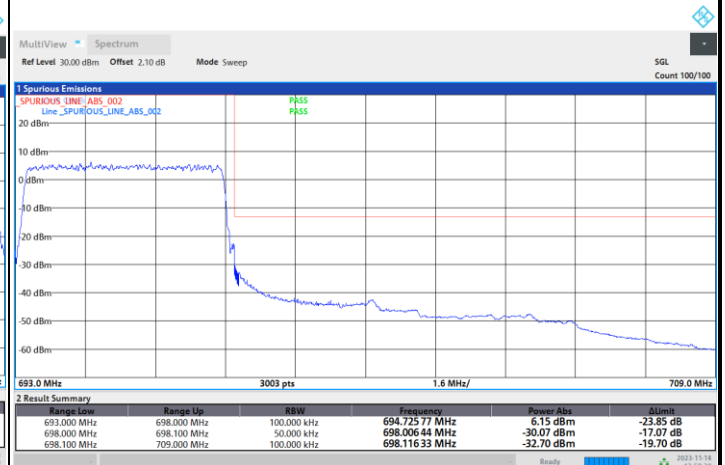
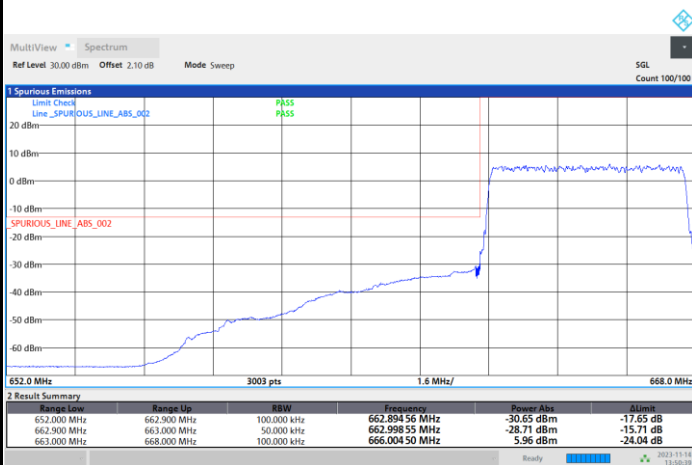
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

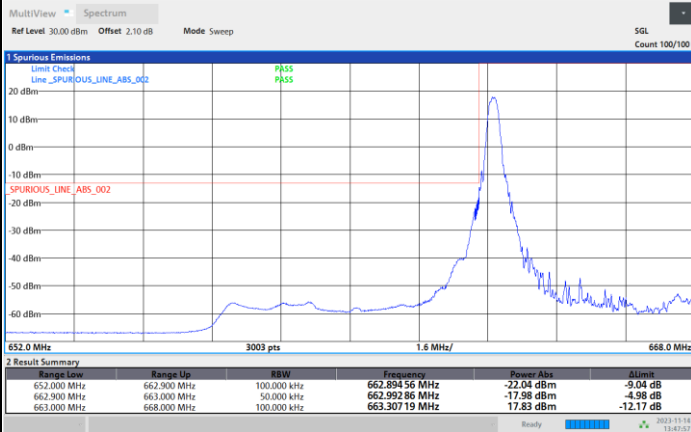




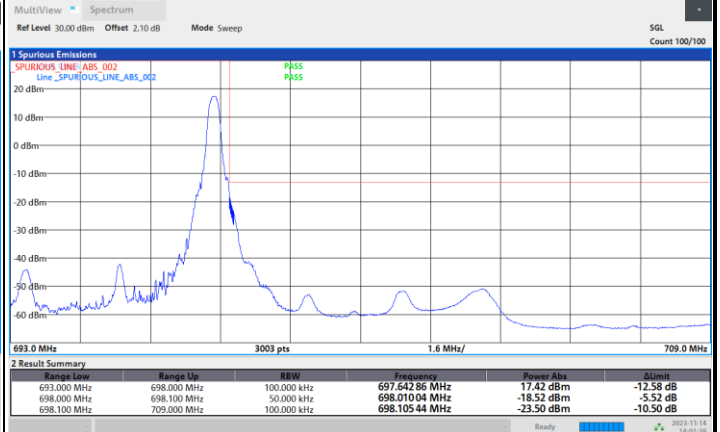
FR1 n71 / 5MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



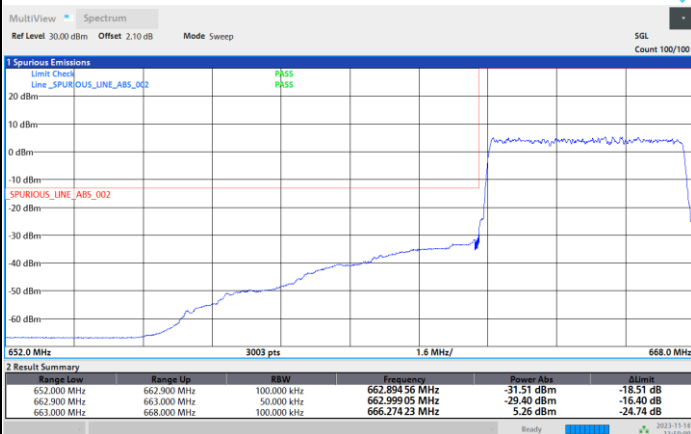
01:47:57 PM 11/14/2023



02:01:40 PM 11/14/2023

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



01:50:01 PM 11/14/2023



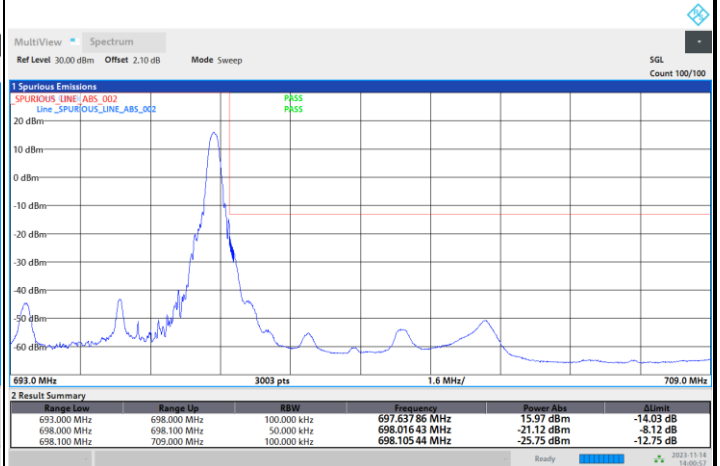
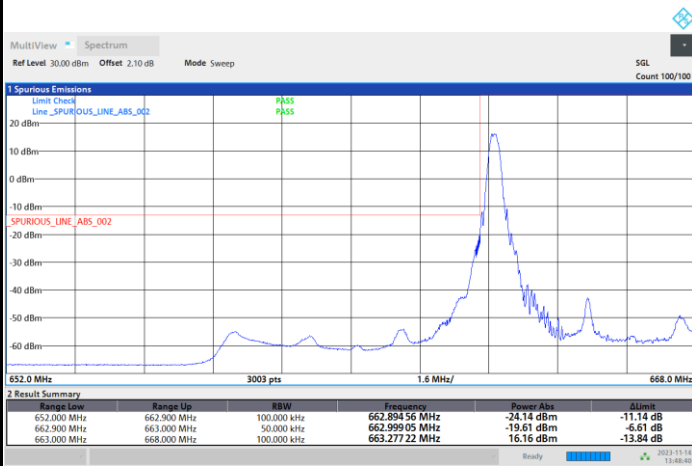
01:59:23 PM 11/14/2023



FR1 n71 / 5MHz / DFT-S OFDM / 256QAM

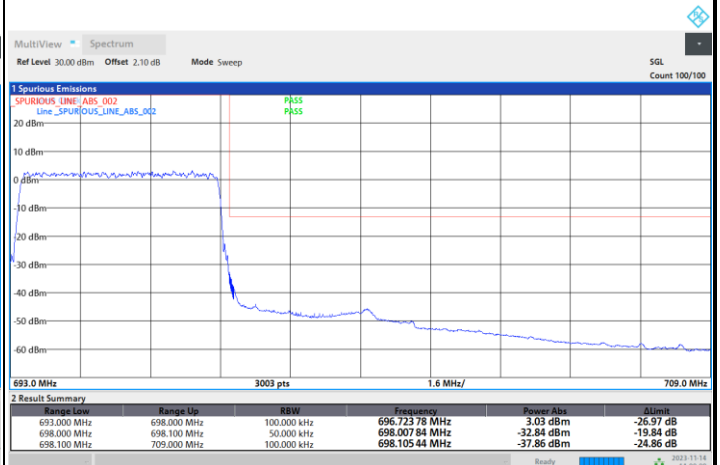
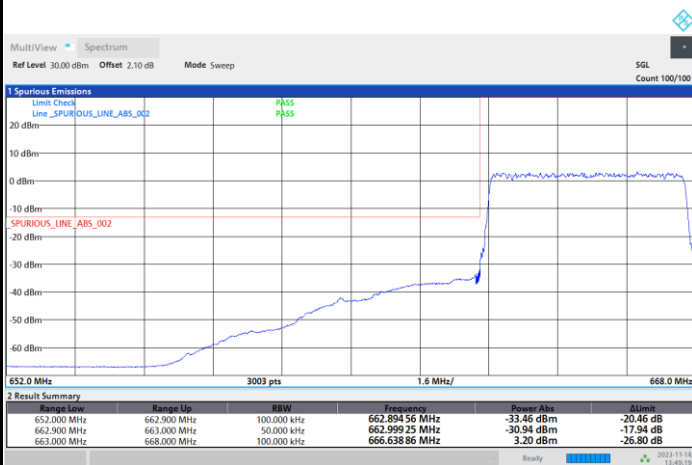
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

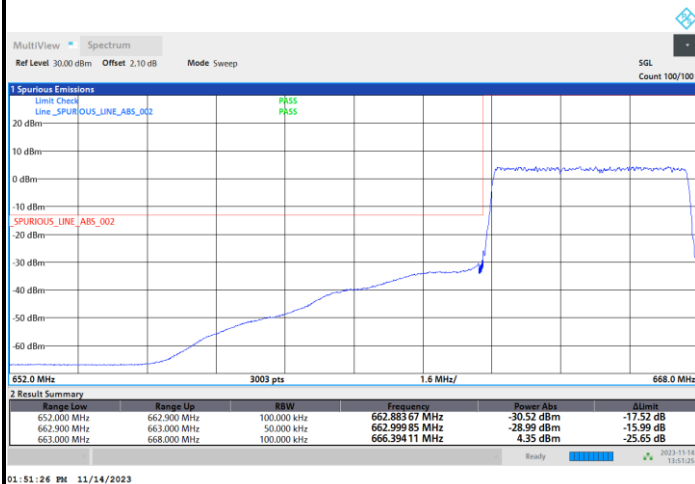
Highest Band Edge / Full RB





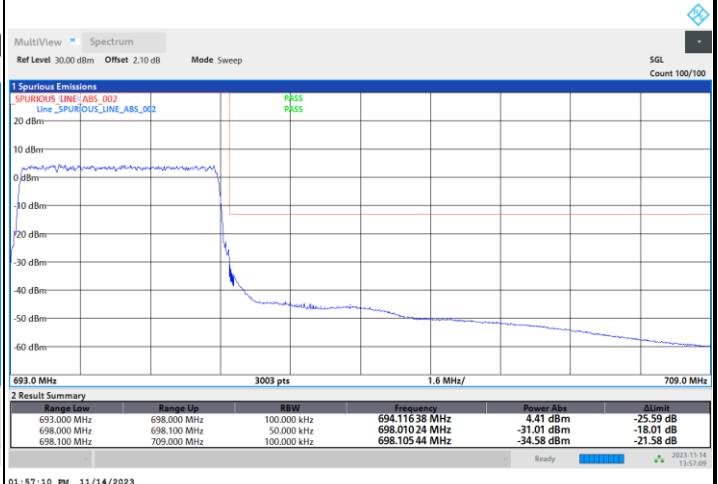
FR1 n71 / 5MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



01:51:26 PM 11/14/2023

Highest Band Edge

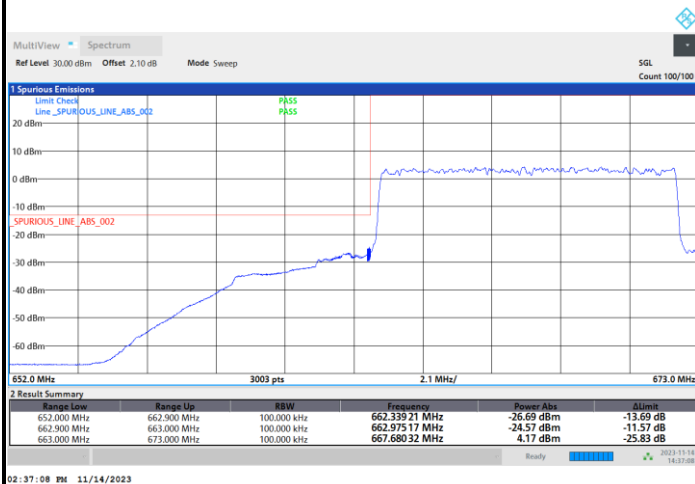


01:57:10 PM 11/14/2023



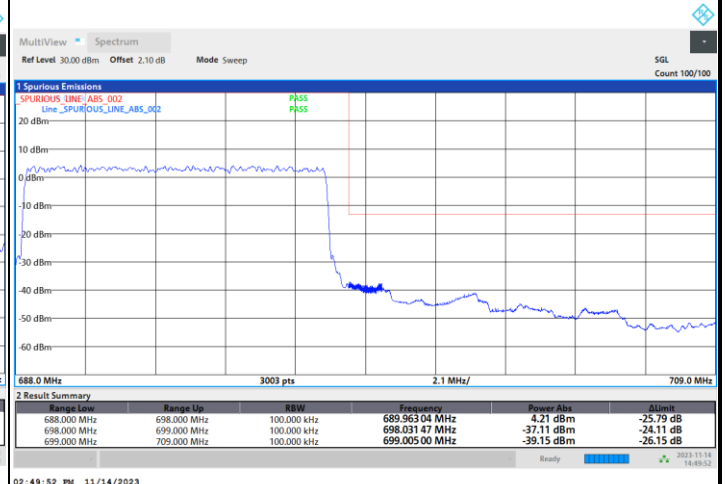
FR1 n71 / 10MHz / DFT-s-OFDM / PI/2 BPSK / Full RB

Lowest Band Edge



02:37:08 PM 11/14/2023

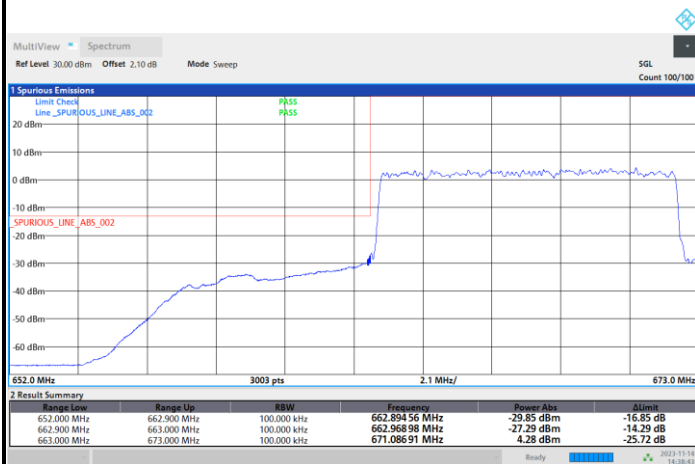
Highest Band Edge



02:49:52 PM 11/14/2023

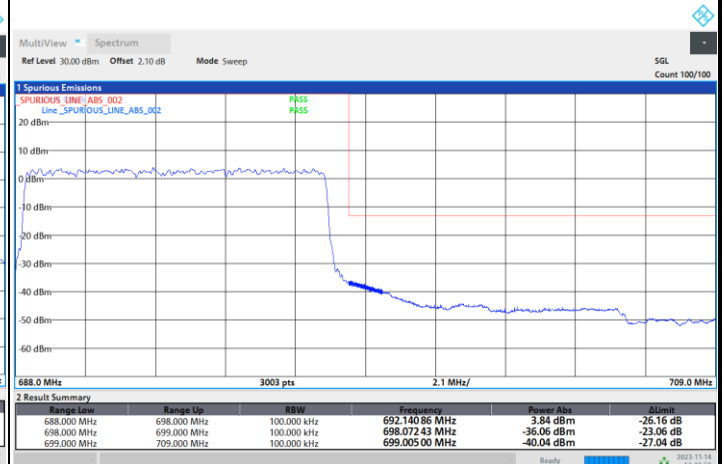
FR1 n71 / 10MHz / DFT-s-OFDM / QPSK / Full RB

Lowest Band Edge



02:38:44 PM 11/14/2023

Highest Band Edge

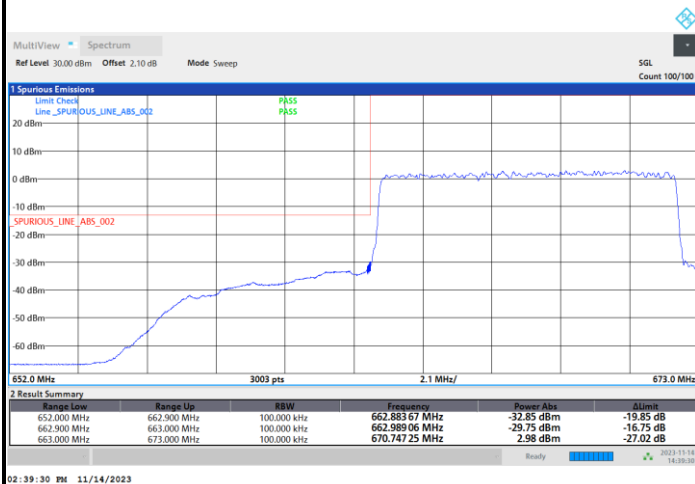


02:48:59 PM 11/14/2023

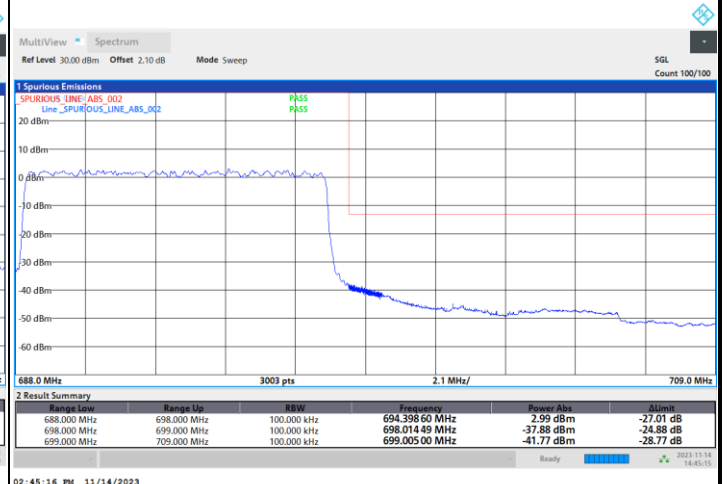


FR1 n71 / 10MHz / DFT-s-OFDM / 16QAM / Full RB

Lowest Band Edge

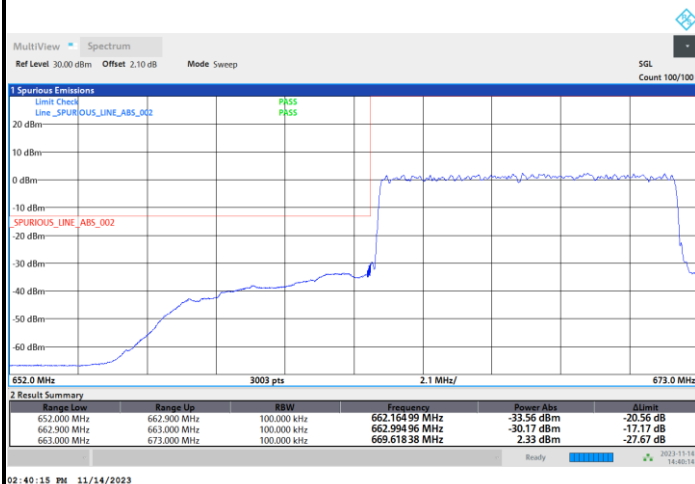


Highest Band Edge

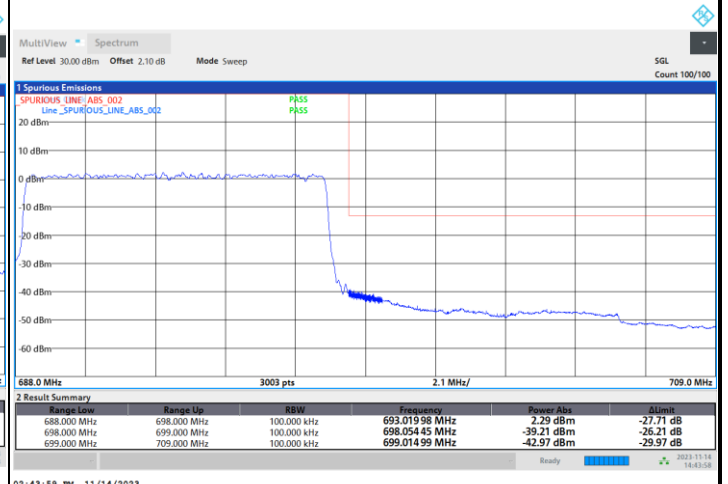


FR1 n71 / 10MHz / DFT-s-OFDM / 64QAM / Full RB

Lowest Band Edge



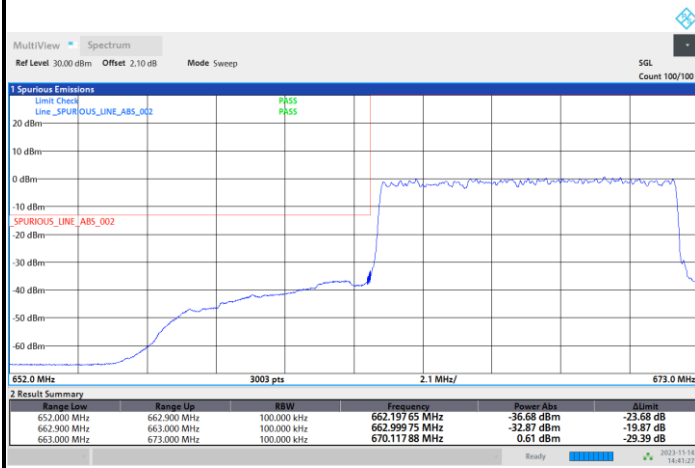
Highest Band Edge



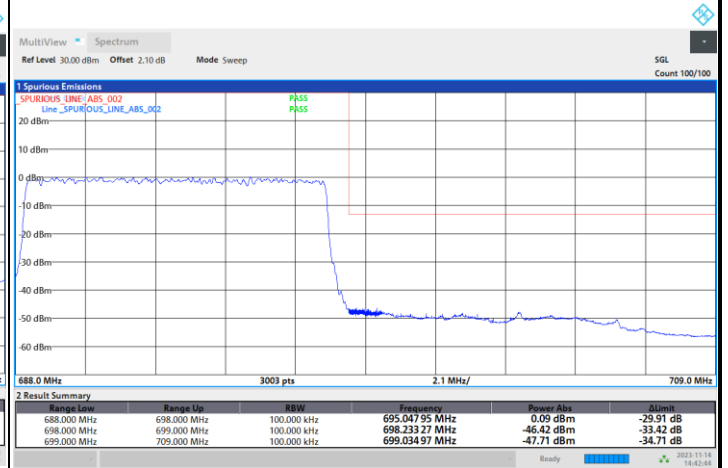


FR1 n71 / 10MHz / DFT-s-OFDM / 256QAM / Full RB

Lowest Band Edge

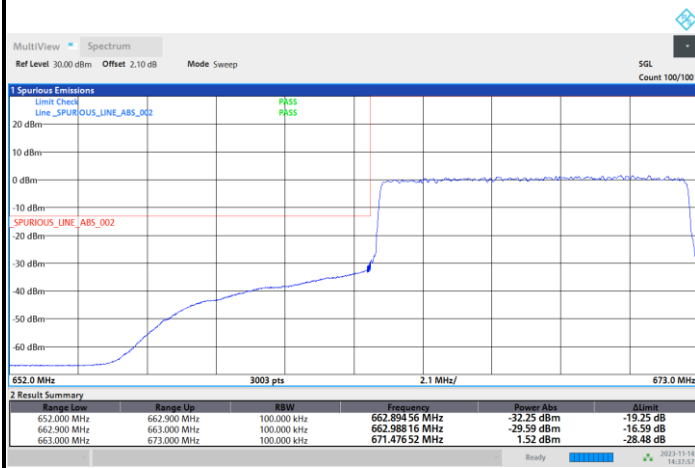


Highest Band Edge

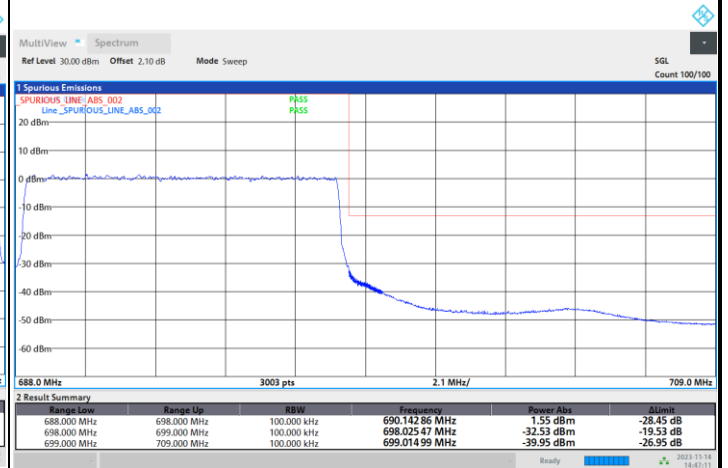


FR1 n71 / 10MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



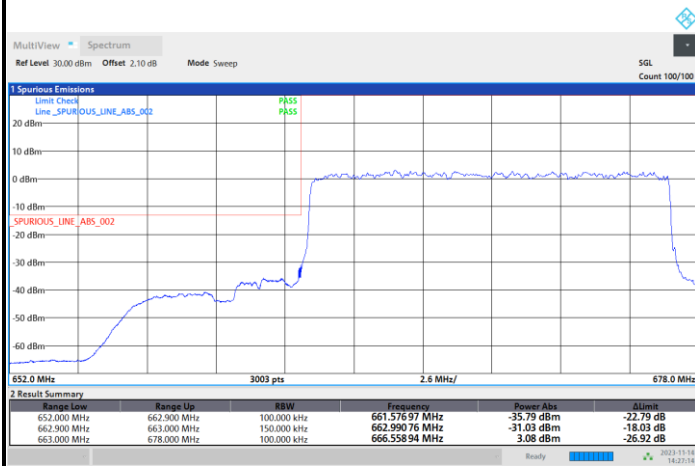
Highest Band Edge





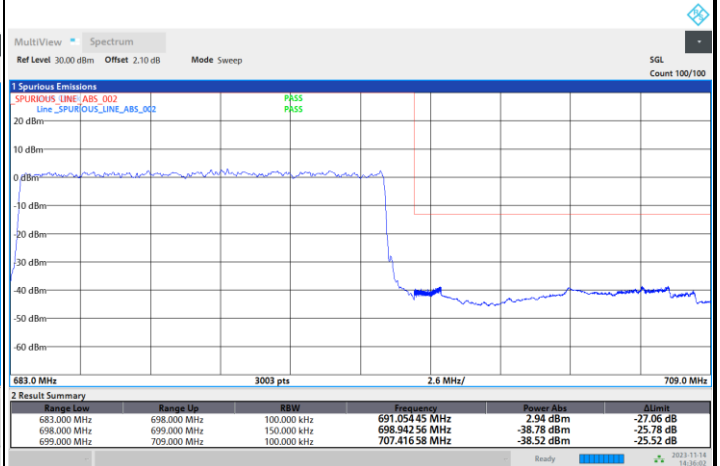
FR1 n71 / 15MHz / DFT-s-OFDM / PI/2 BPSK / Full RB

Lowest Band Edge



02:27:15 PM 11/14/2023

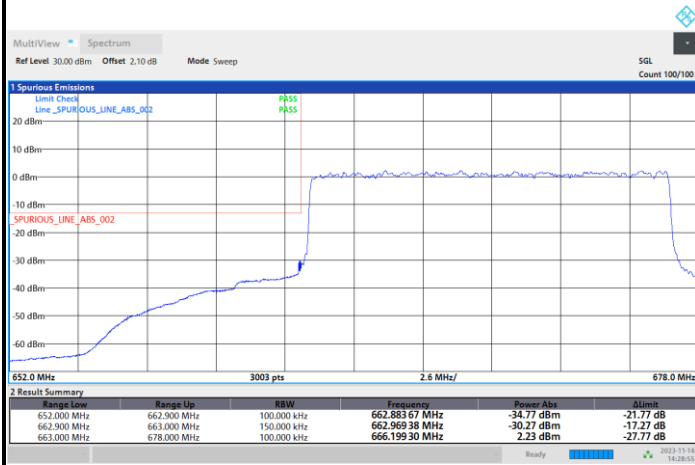
Highest Band Edge



02:36:03 PM 11/14/2023

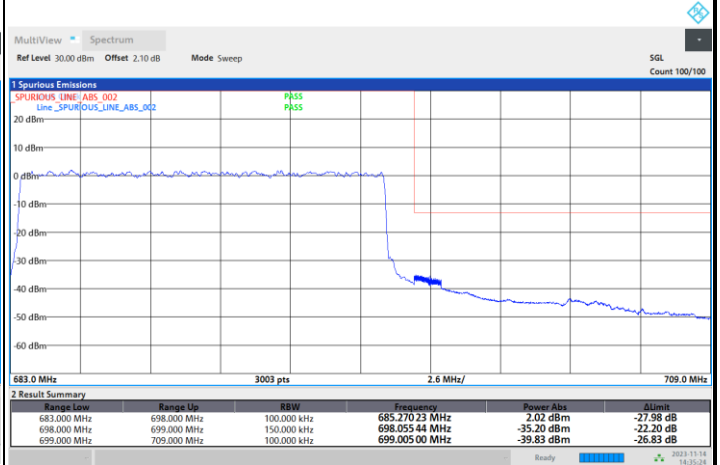
FR1 n71 / 15MHz / DFT-s-OFDM / QPSK / Full RB

Lowest Band Edge



02:28:56 PM 11/14/2023

Highest Band Edge

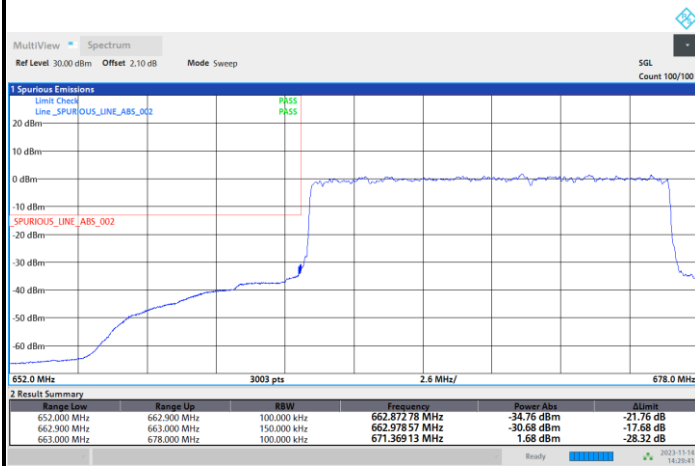


02:35:25 PM 11/14/2023



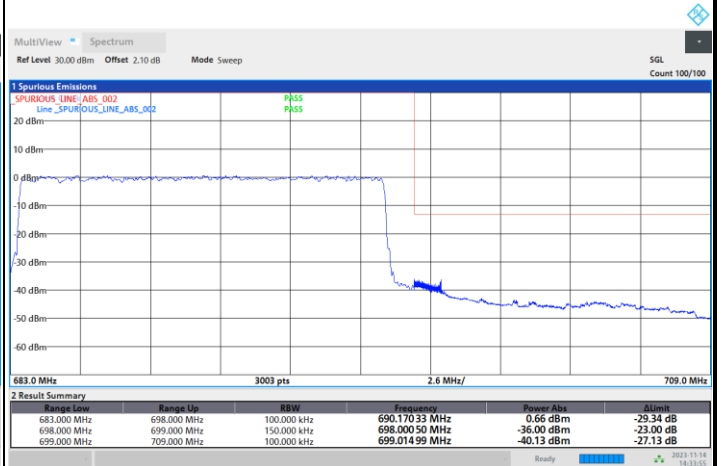
FR1 n71 / 15MHz / DFT-s-OFDM / 16QAM / Full RB

Lowest Band Edge



02:29:41 PM 11/14/2023

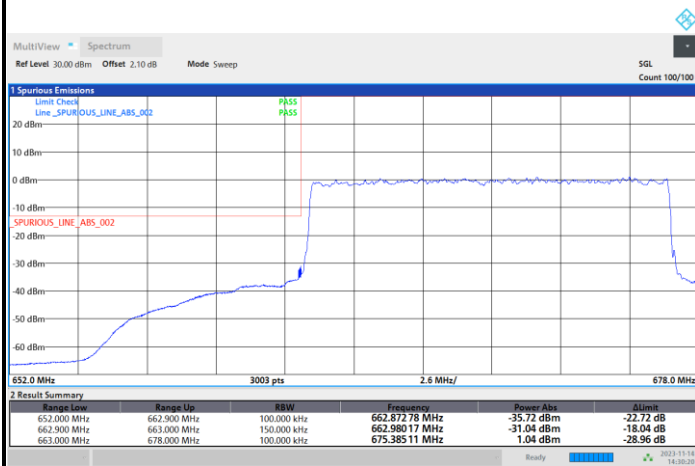
Highest Band Edge



02:33:55 PM 11/14/2023

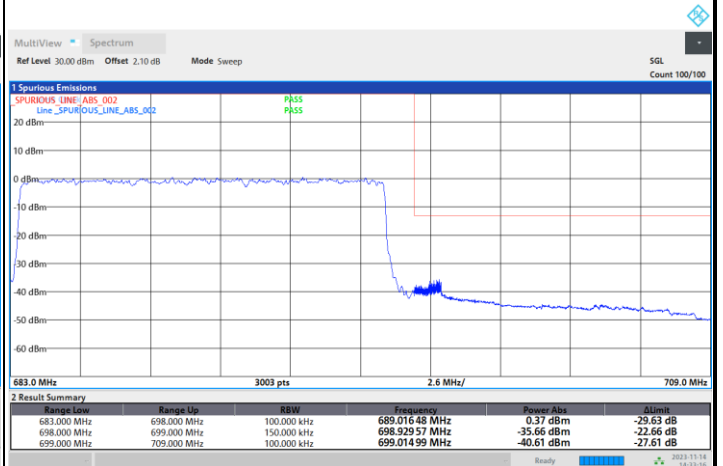
FR1 n71 / 15MHz / DFT-s-OFDM / 64QAM / Full RB

Lowest Band Edge



02:30:21 PM 11/14/2023

Highest Band Edge

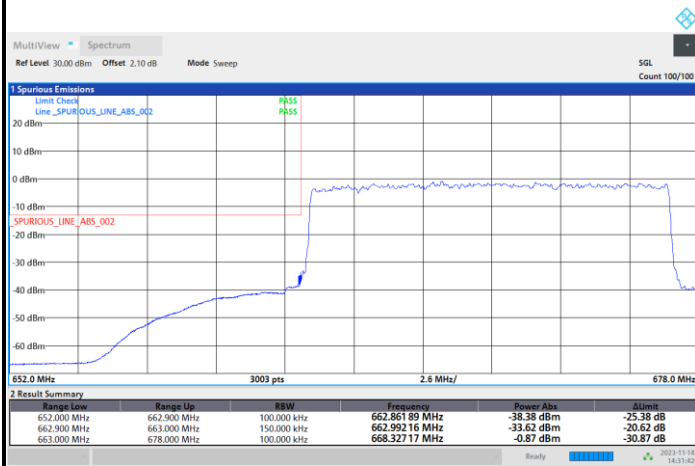


02:33:16 PM 11/14/2023

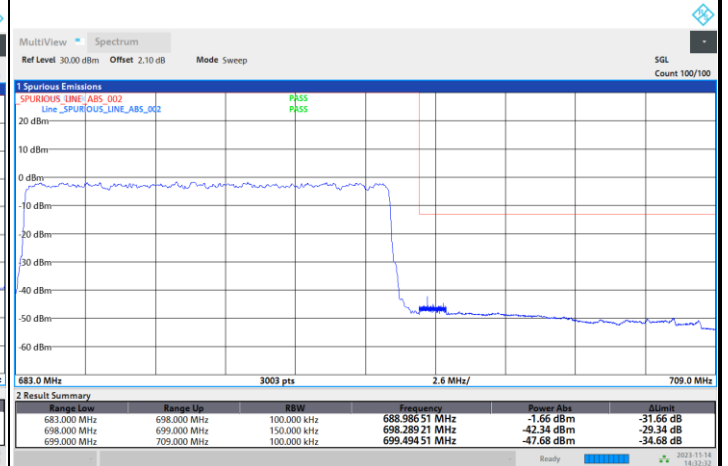


FR1 n71 / 15MHz / DFT-s-OFDM / 256QAM / Full RB

Lowest Band Edge

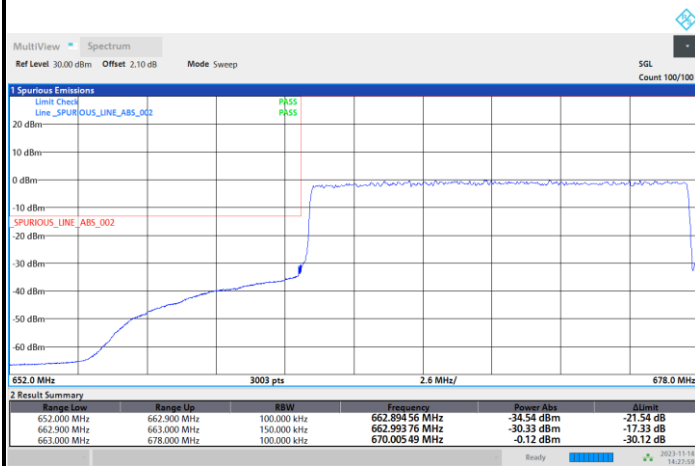


Highest Band Edge

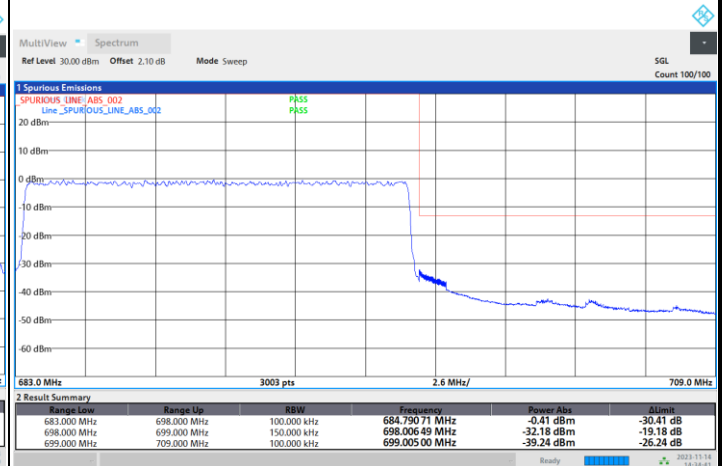


FR1 n71 / 15MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



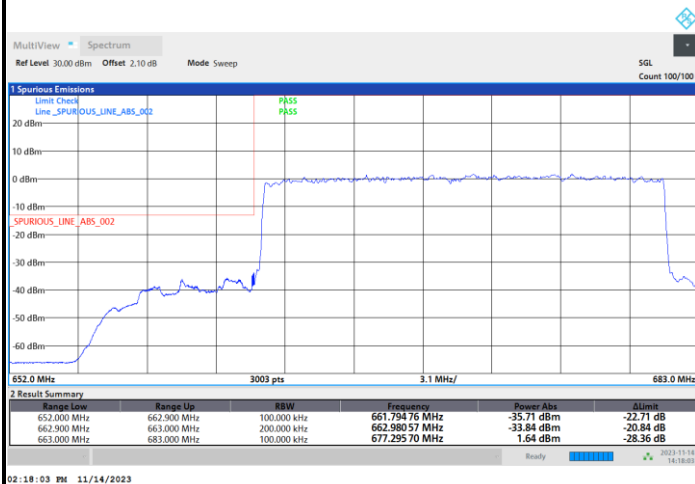
Highest Band Edge



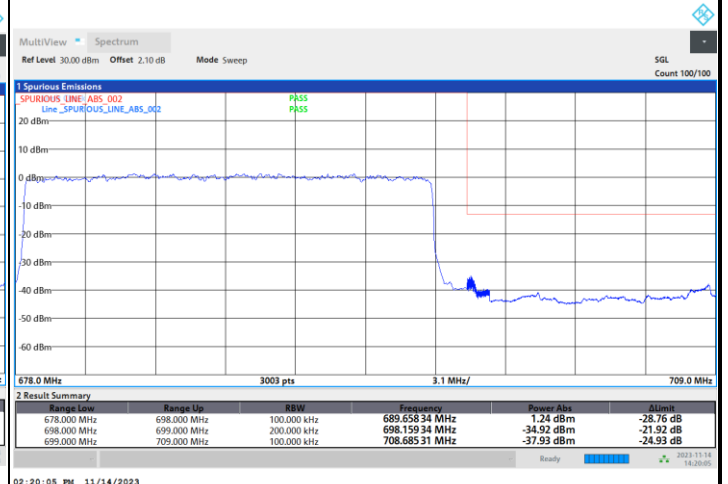


FR1 n71 / 20MHz / DFT-s-OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

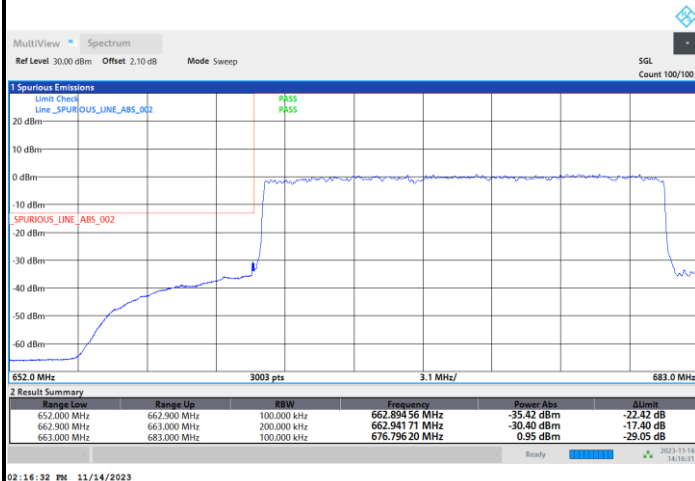


Highest Band Edge

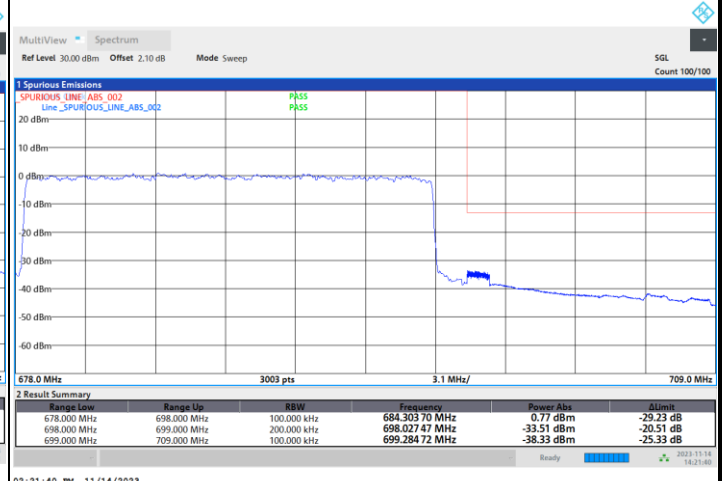


FR1 n71 / 20MHz / DFT-s-OFDM / QPSK / Full RB

Lowest Band Edge



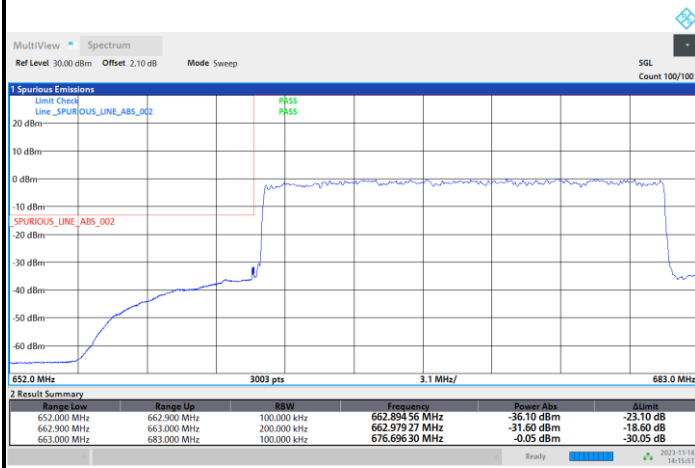
Highest Band Edge



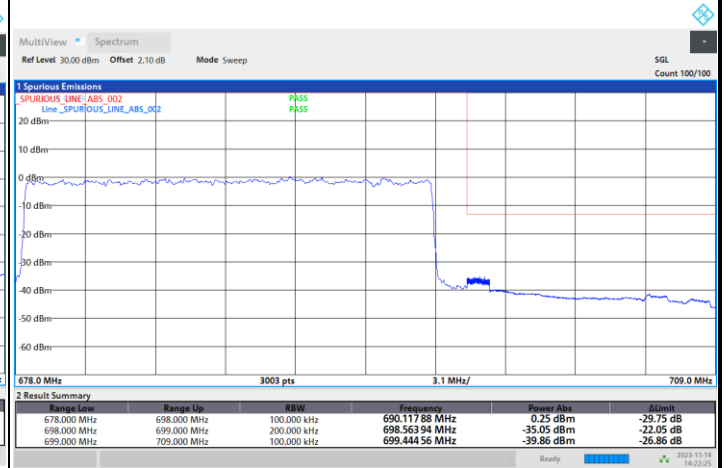


FR1 n71 / 20MHz / DFT-s-OFDM / 16QAM / Full RB

Lowest Band Edge

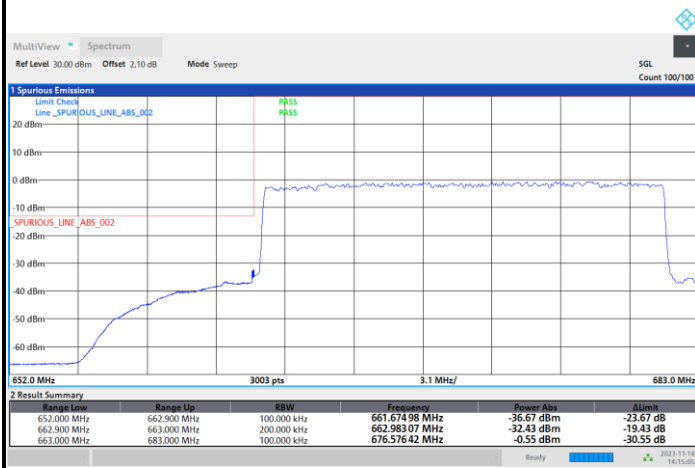


Highest Band Edge

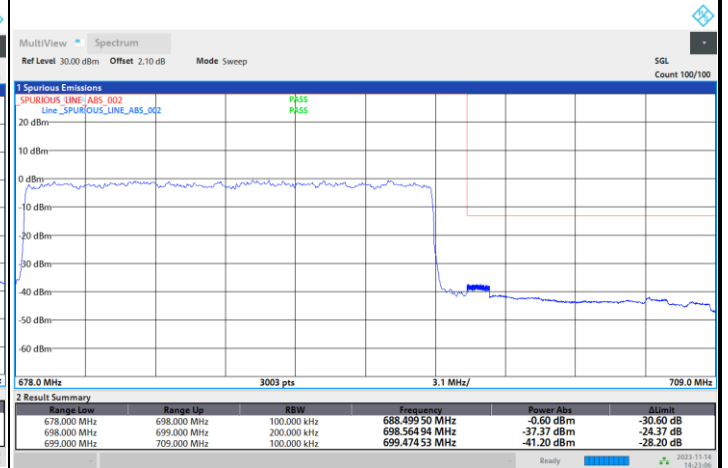


FR1 n71 / 20MHz / DFT-s-OFDM / 64QAM / Full RB

Lowest Band Edge



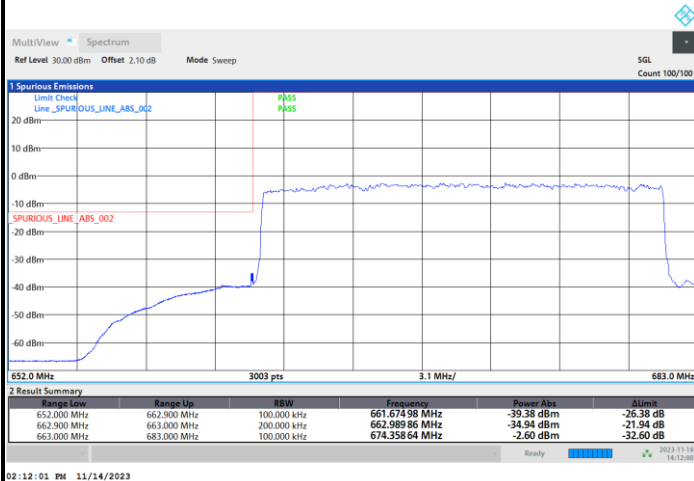
Highest Band Edge



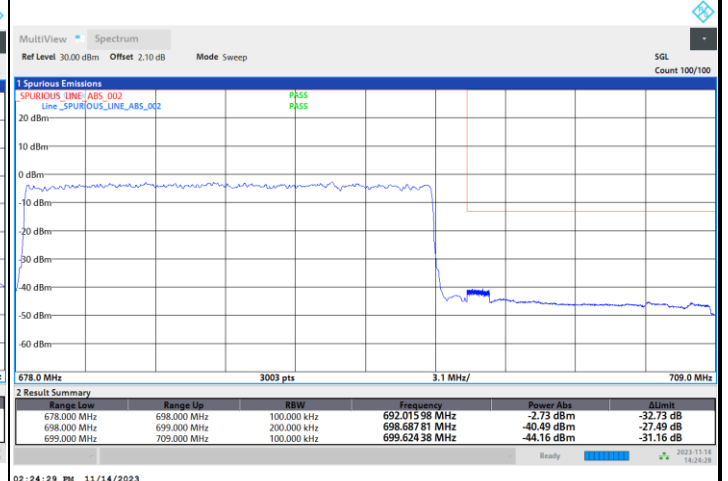


FR1 n71 / 20MHz / DFT-s-OFDM / 256QAM / Full RB

Lowest Band Edge

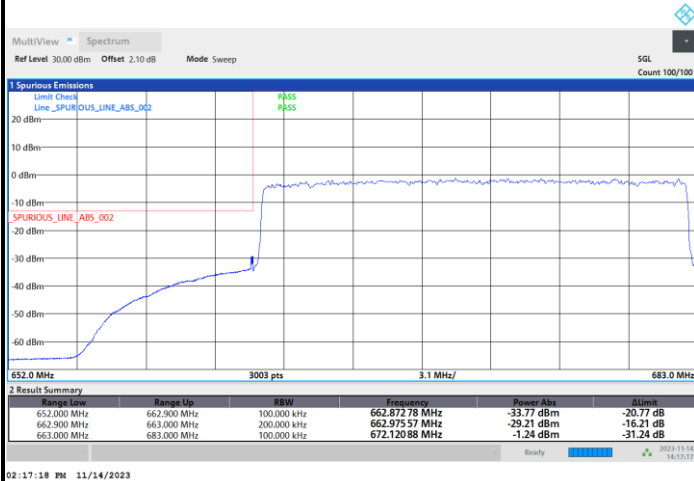


Highest Band Edge

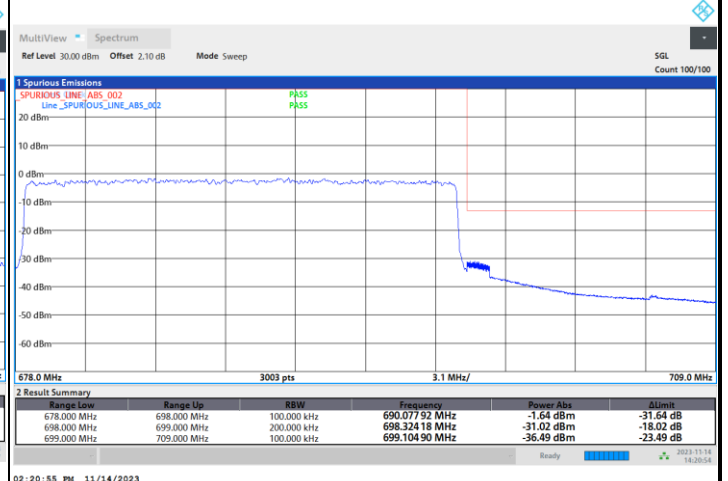


FR1 n71 / 20MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge

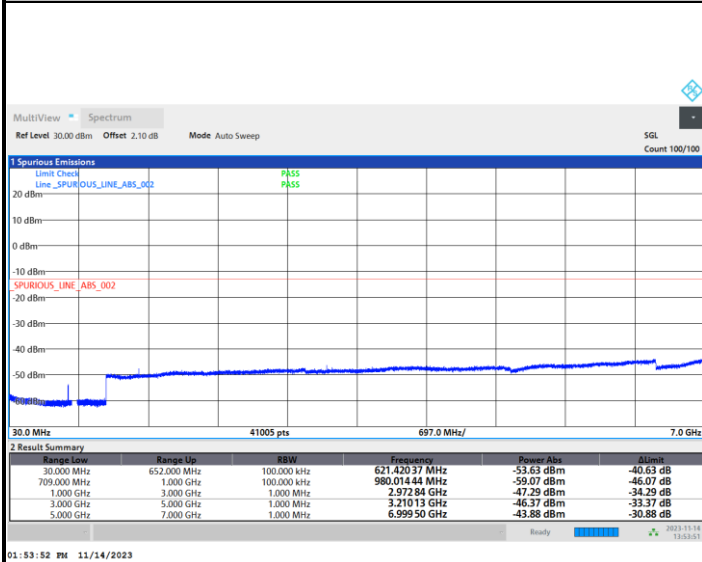




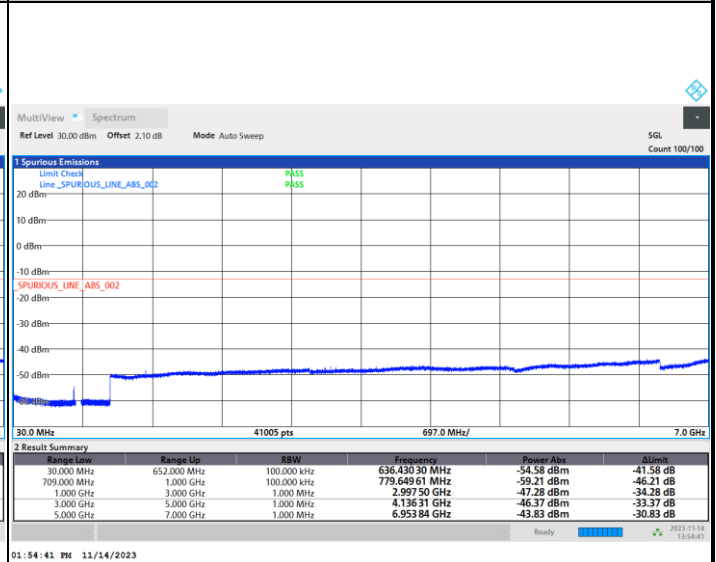
Conducted Spurious Emission

FR1 n71 / 5MHz / DFT-S OFDM / QPSK / 1RB1

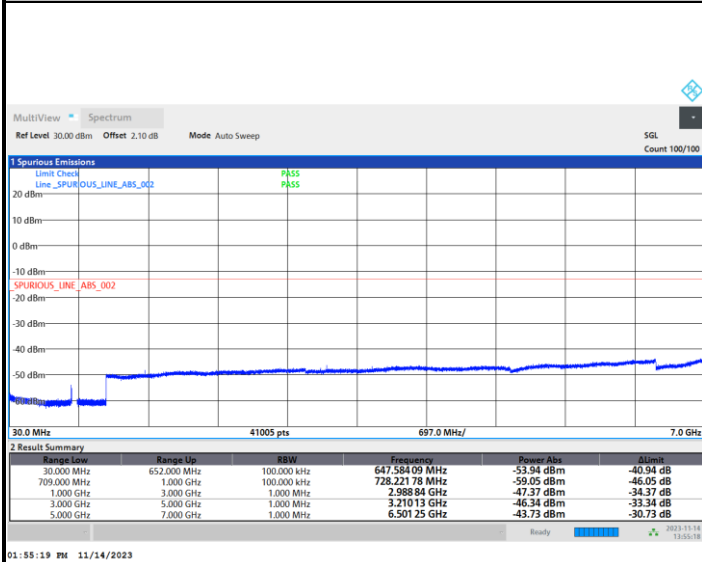
Lowest Channel



Middle Channel



Highest Channel



Frequency Stability

Test Conditions		FR1 n71 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0061	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0054	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0083	
0	Normal Voltage	0.0082	
-10	Normal Voltage	0.0062	
-20	Normal Voltage	0.0126	
-30	Normal Voltage	0.0072	
20	Maximum Voltage	0.0123	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0083	

Note:

1. Normal Voltage = 3.8 V. ; Battery End Point (BEP) = 3.4 V. ; Maximum Voltage = 4.2 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

**FR1 n77 HPUE_Part270****Peak-to-Average Ratio**

Mode	FR1 n77 HPUE / 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	4.34	5.12	6.12	6.46	PASS
Mode	FR1 n77 HPUE / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.92				PASS