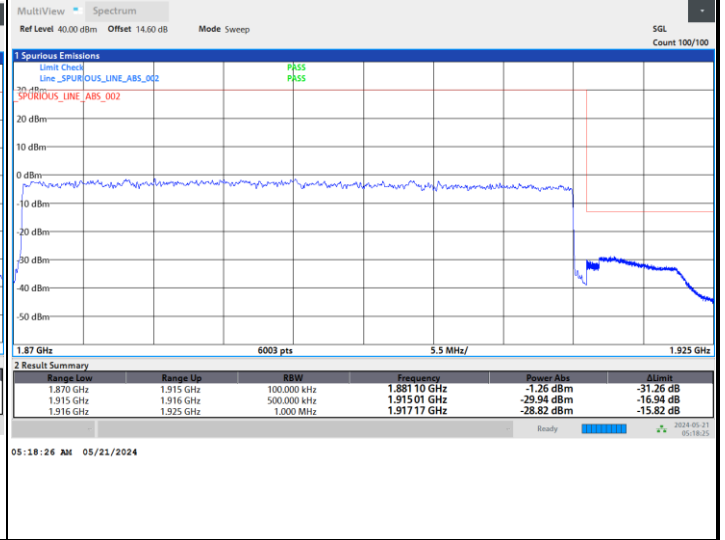
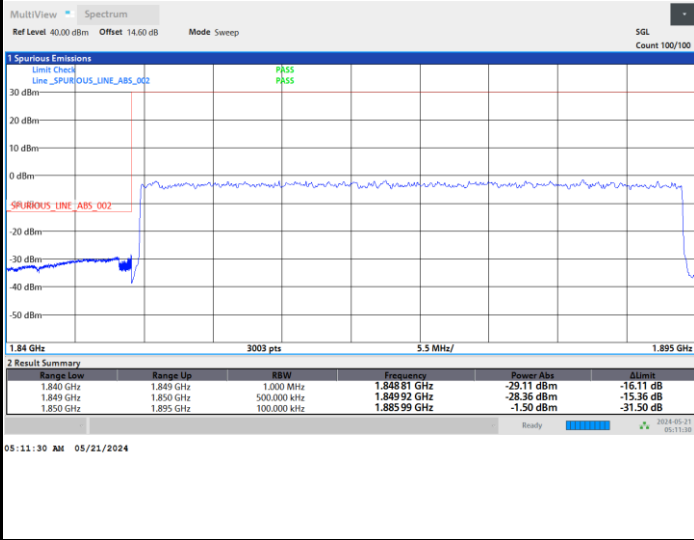




FR1 n25 / 45MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

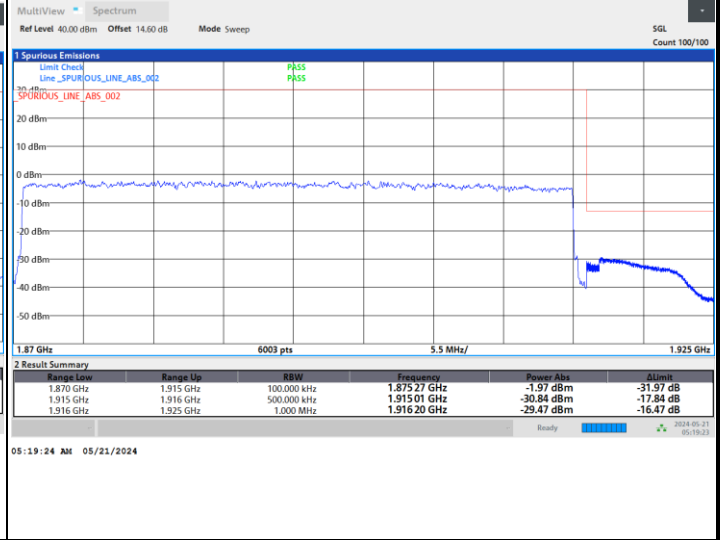
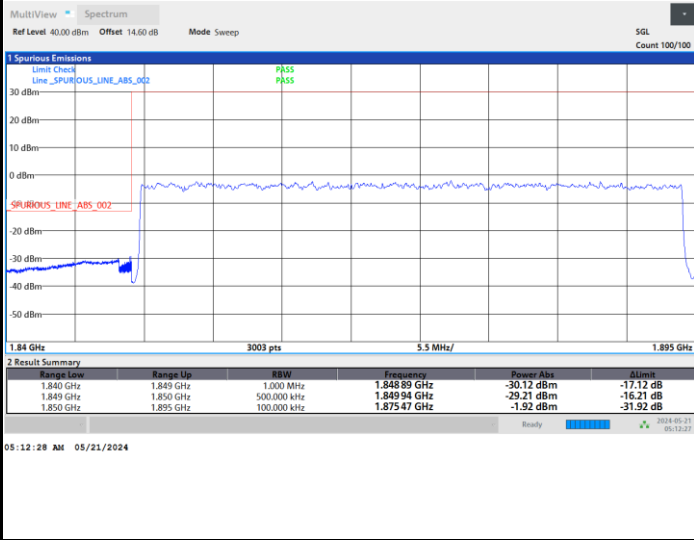
Highest Band Edge / Full RB



FR1 n25 / 45MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

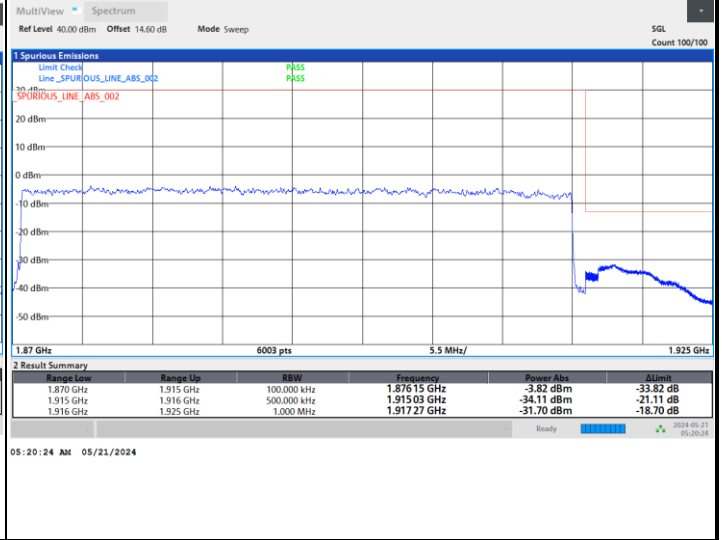
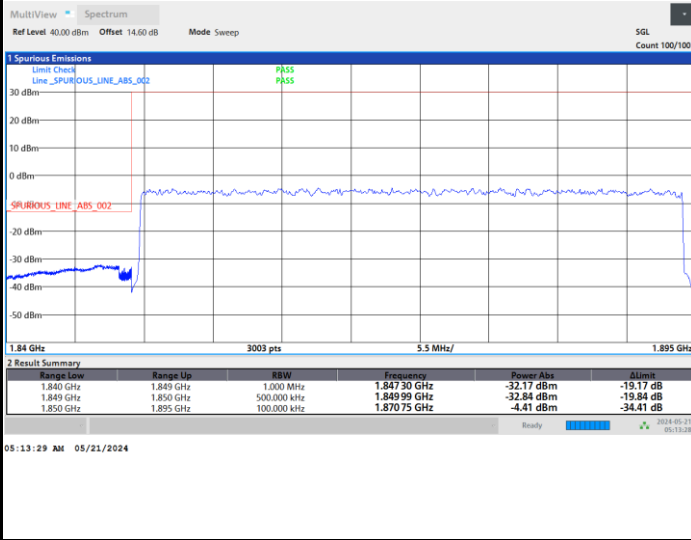




FR1 n25 / 45MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB

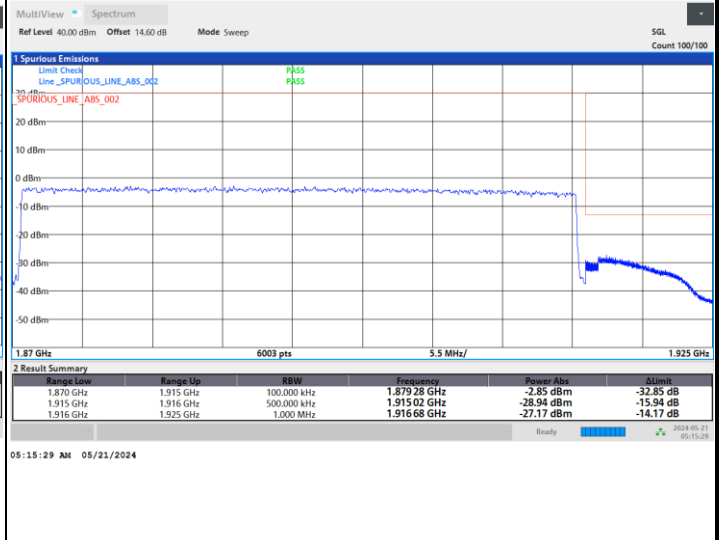
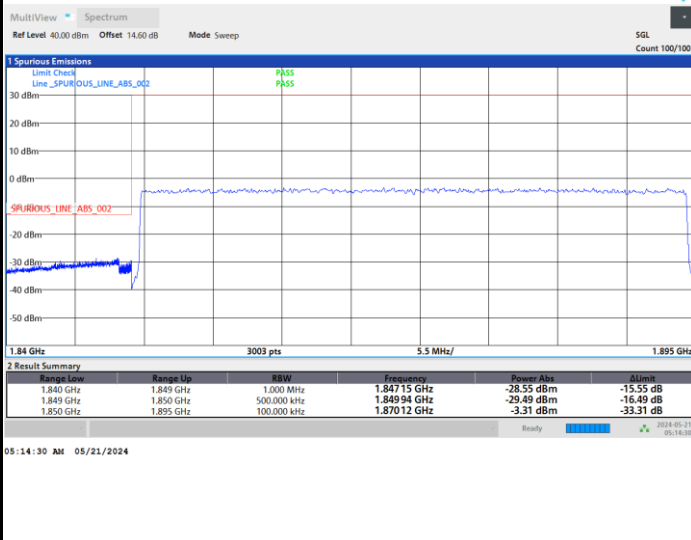
Highest Band Edge / Full RB



FR1 n25 / 45MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge

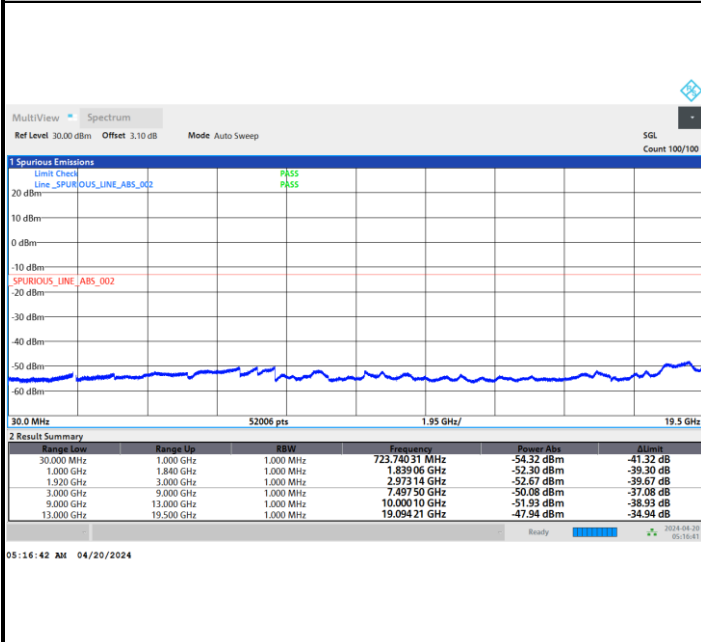




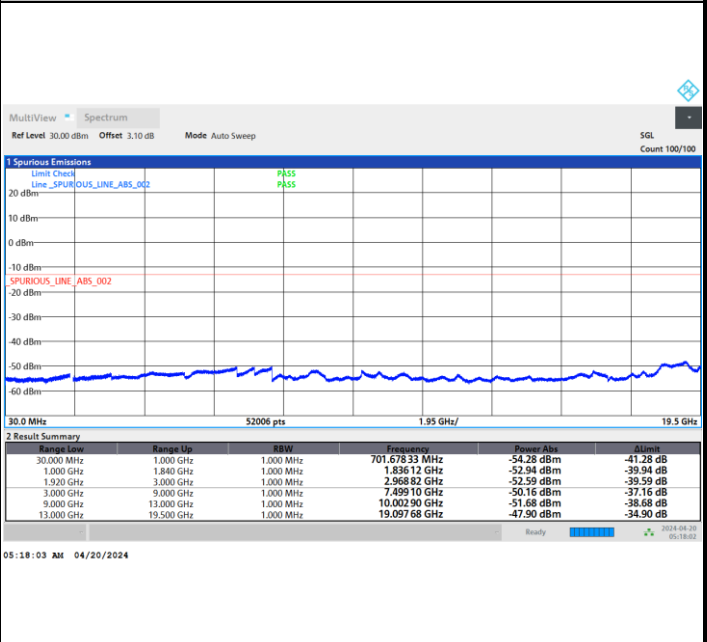
Conducted Spurious Emission

FR1 n25 / 5MHz / DFT-S OFDM / QPSK / 1RB1

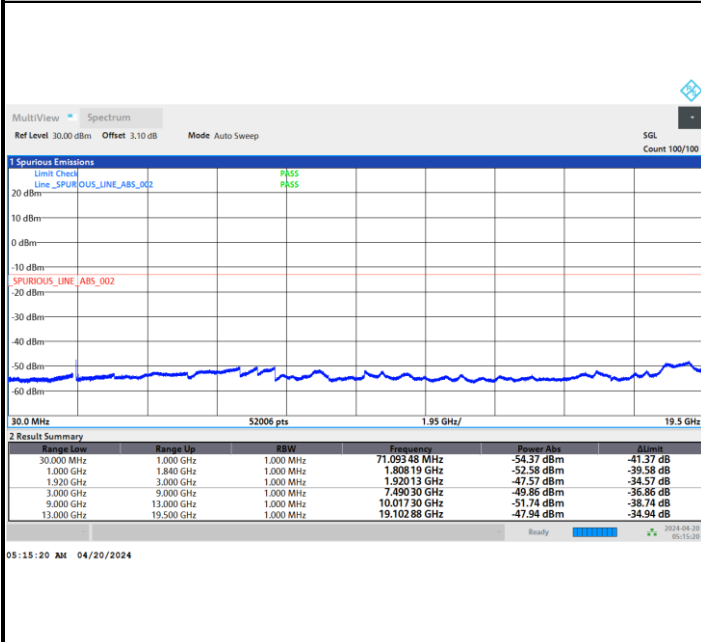
Lowest Channel



Middle Channel



Highest Channel





Frequency Stability

Test Conditions		FR1 n25 (PI/2 BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0032	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0034	
-30	Normal Voltage	0.0039	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0020	

Note:

- 1. Normal Voltage = 3.3 V. ; Battery End Point (BEP) = 3.135 V. ; Maximum Voltage = 4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



FR1 n30

Peak-to-Average Ratio

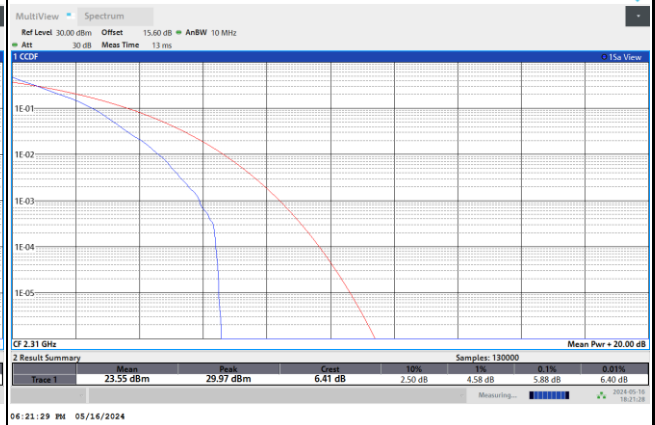
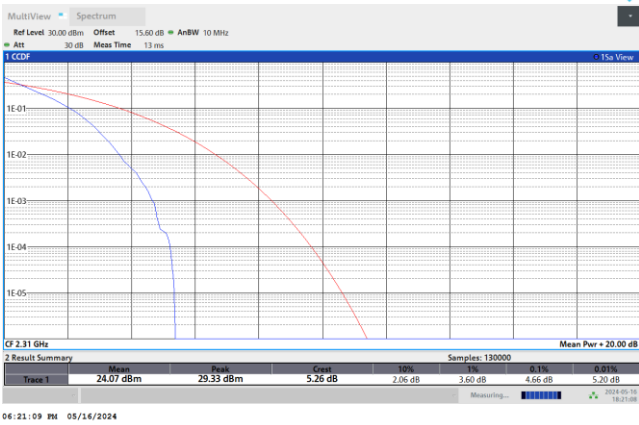
Mode	FR1 n30 / 10MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.66	5.88	6.50	6.70	PASS
Mode	FR1 n30 / 10MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	7.00				PASS



FR1 n30 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

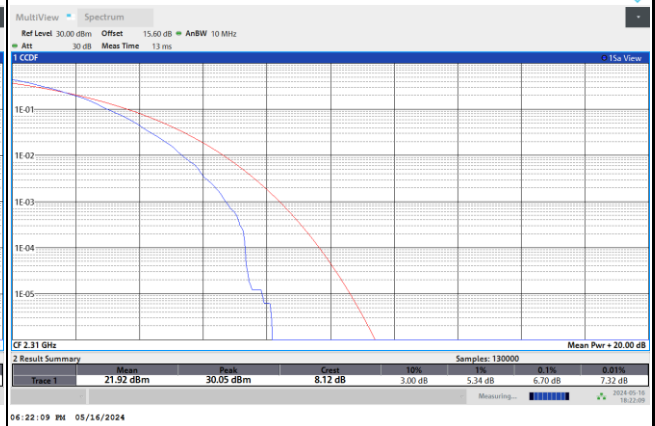
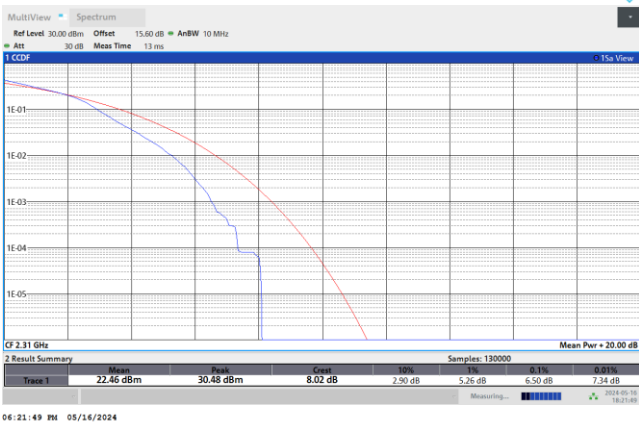
PI/2 BPSK

QPSK

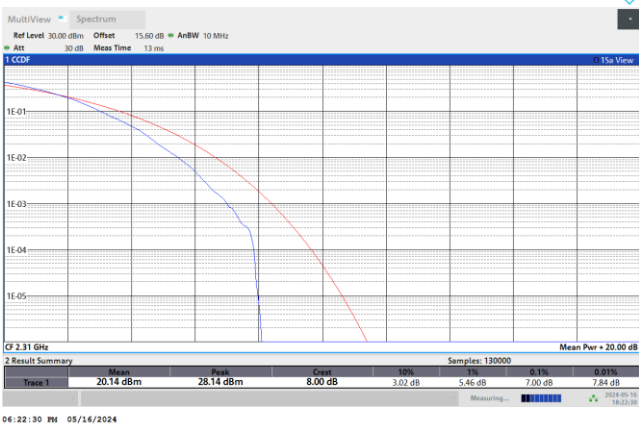


16QAM

64QAM



256QAM





26dB Bandwidth

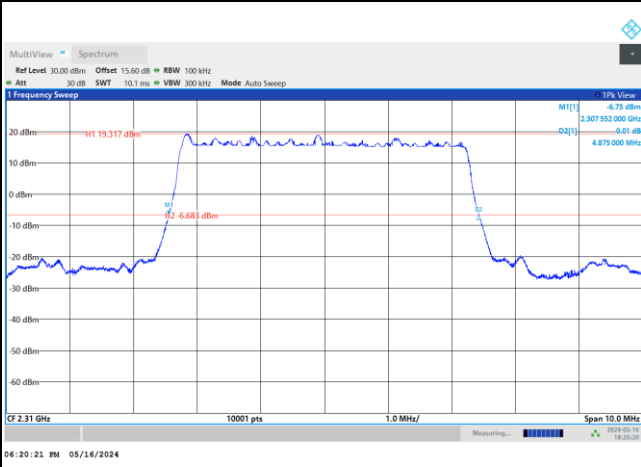
Mode	FR1 n30 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz					
Mod.	PI/2 BPSK		PI/2 BPSK					
Middle CH	4.87		9.77					

Mode	FR1 n30 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz					
Mod.	QPSK	16QAM	QPSK	16QAM				
Middle CH	5.00	5.02	10.13	10.11				
Mod.	64QAM	256QAM	64QAM	256QAM				
Middle CH	4.96	4.99	10.08	10.06				



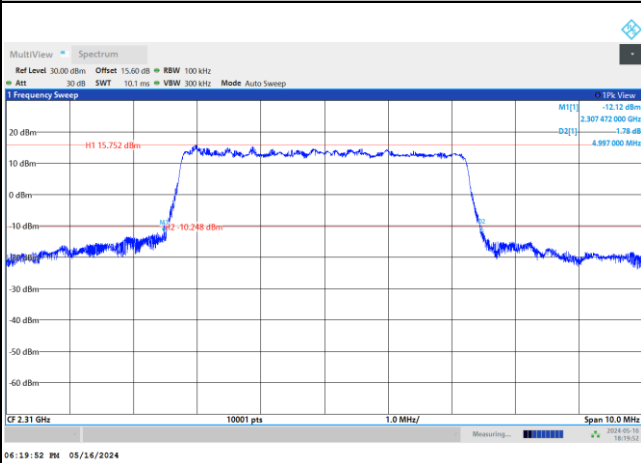
FR1 n30 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

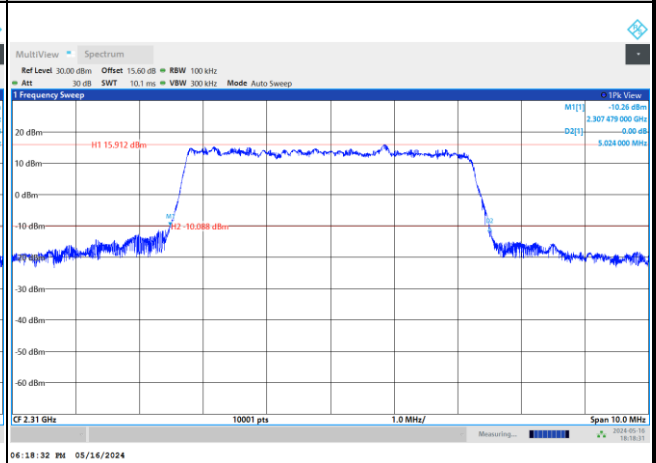


FR1 n30 / 5MHz / CP OFDM / Middle Channel / Full RB

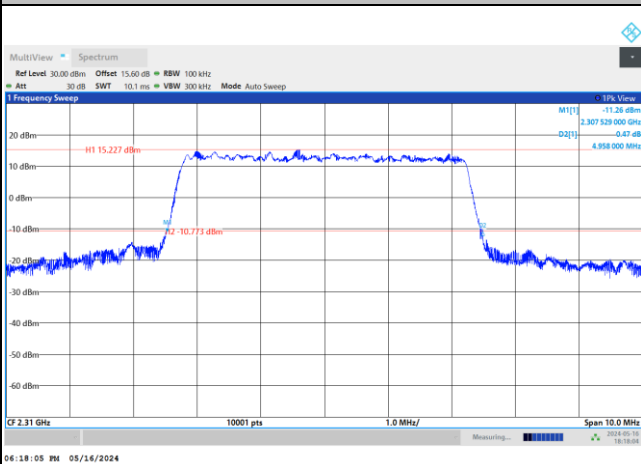
QPSK



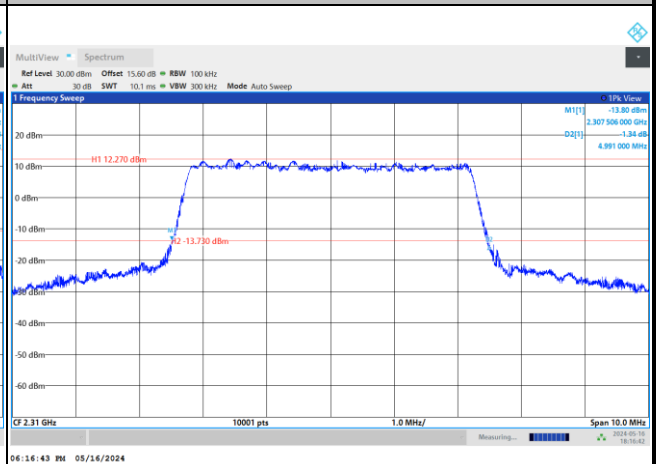
16QAM



64QAM



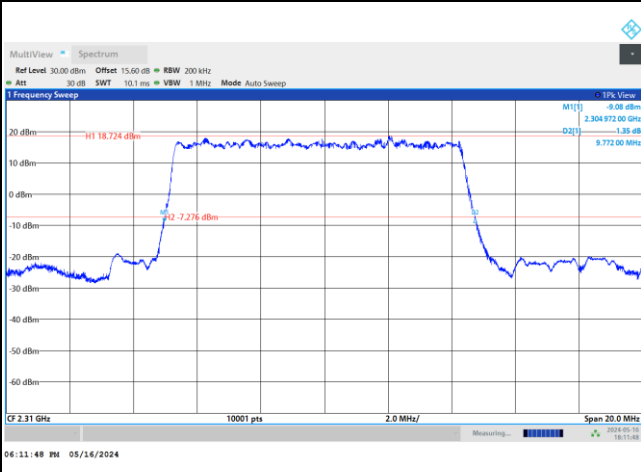
256QAM





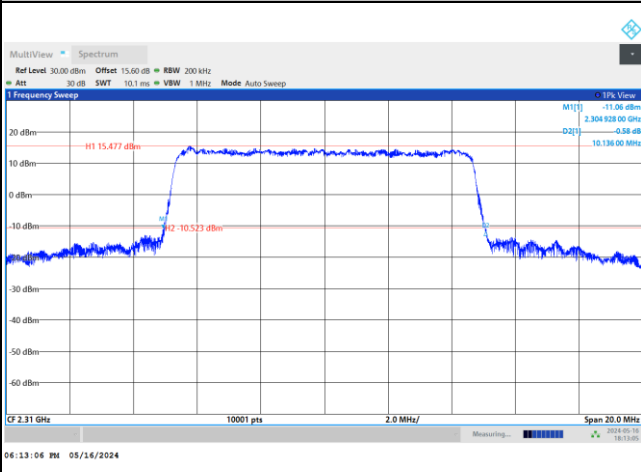
FR1 n30 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

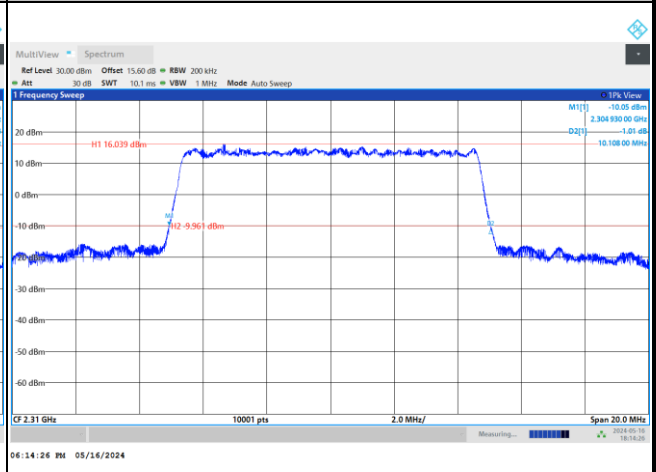


FR1 n30 / 10MHz / CP OFDM / Middle Channel / Full RB

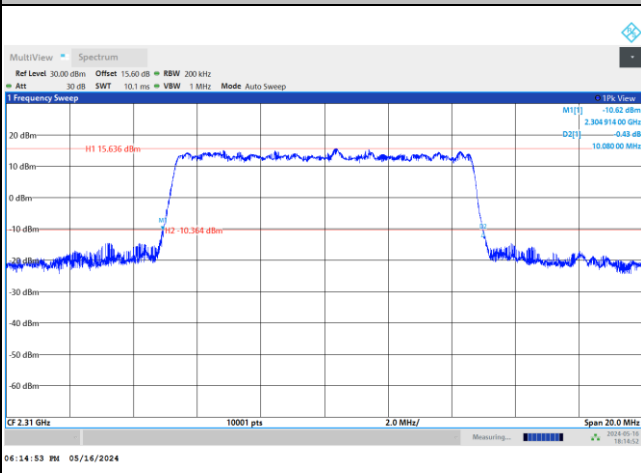
QPSK



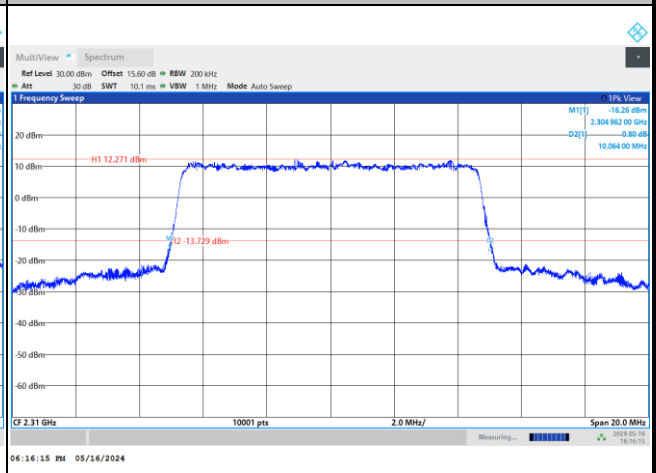
16QAM



64QAM



256QAM





Occupied Bandwidth

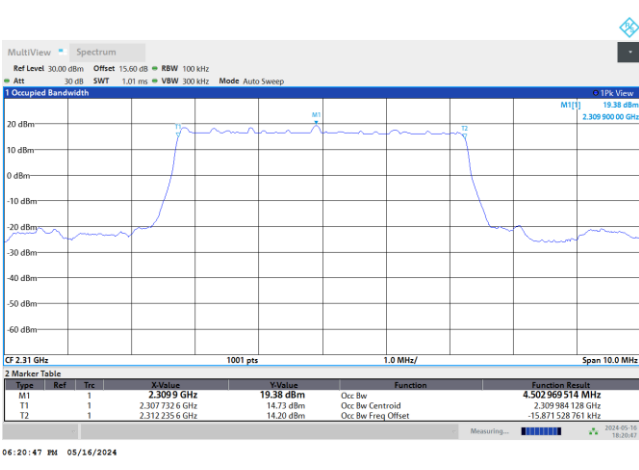
Mode	FR1 n30 : 99%OBW(MHz) / DFT-S OFDM						
BW	5MHz		10MHz				
Mod.	PI/2 BPSK		PI/2 BPSK				
Middle CH	4.50		9.02				

Mode	FR1 n30 : 99%OBW (MHz) / CP OFDM						
BW	5MHz		10MHz				
Mod.	QPSK	16QAM	QPSK	16QAM			
Middle CH	4.49	4.51	9.33	9.33			
Mod.	64QAM	256QAM	64QAM	256QAM			
Middle CH	4.50	4.49	9.34	9.31			



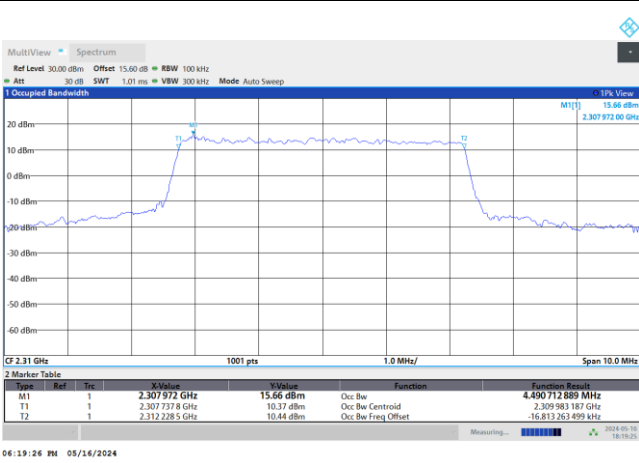
FR1 n30 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

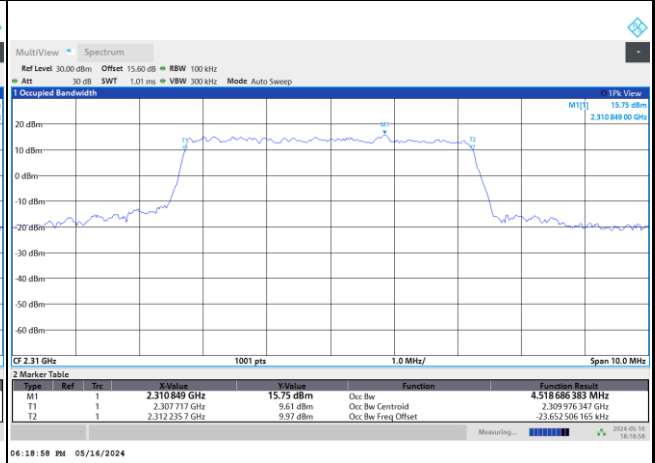


FR1 n30 / 5MHz / CP OFDM / Middle Channel / Full RB

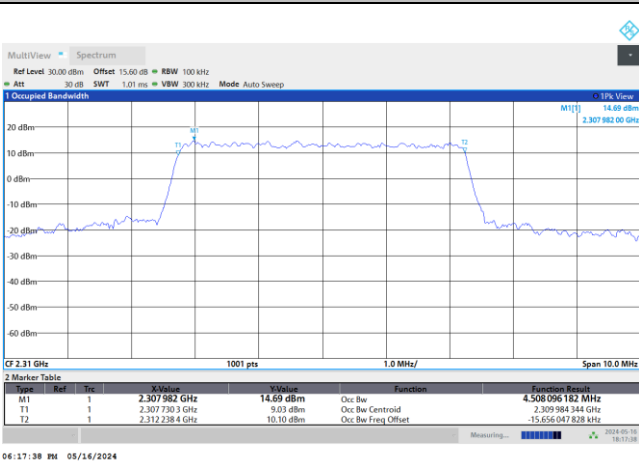
QPSK



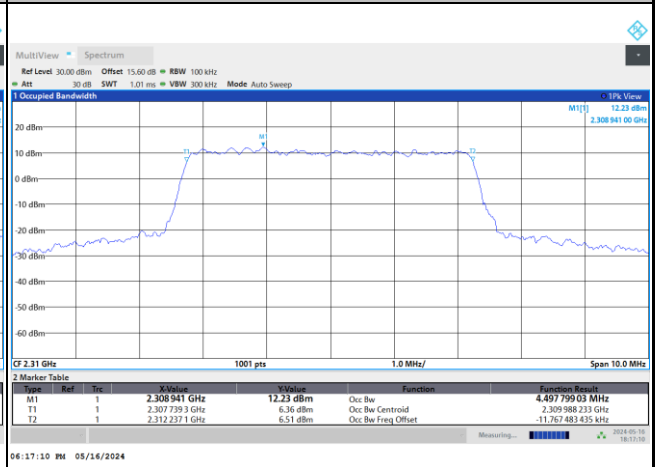
16QAM



64QAM



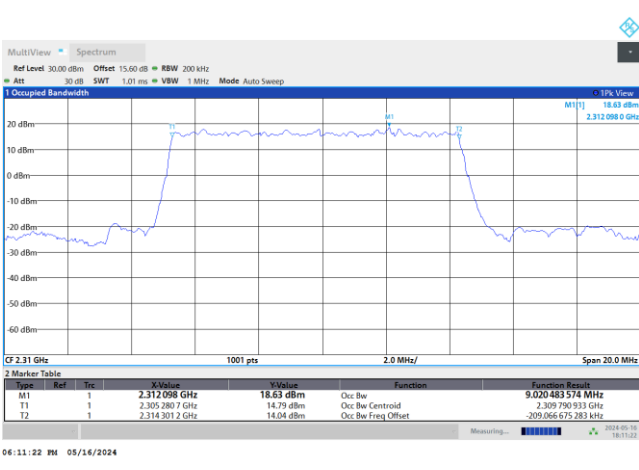
256QAM





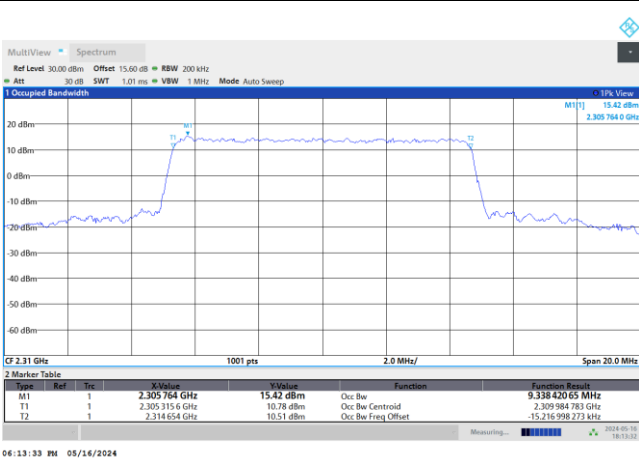
FR1 n30 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

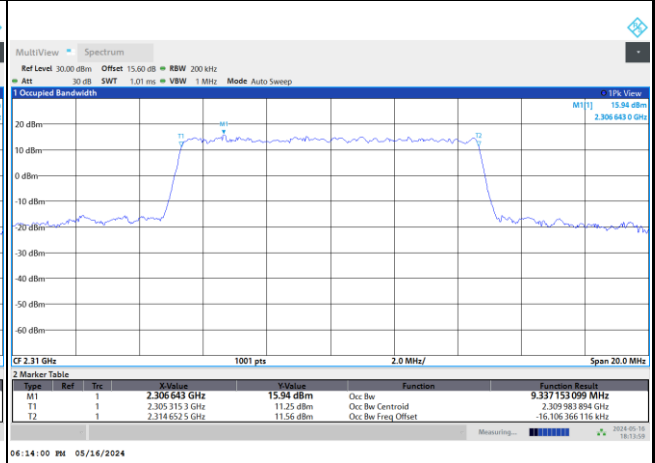


FR1 n30 / 10MHz / CP OFDM / Middle Channel / Full RB

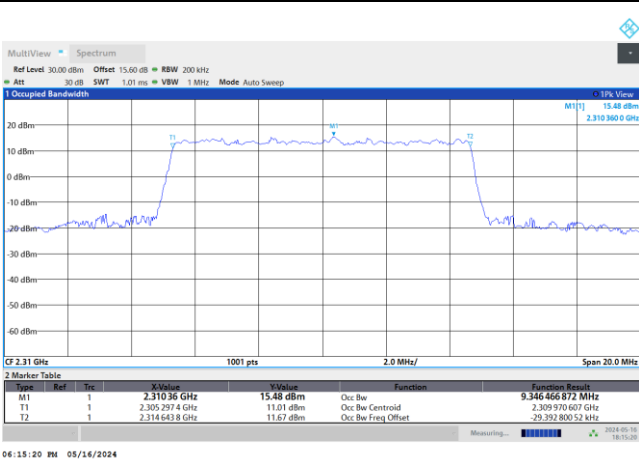
QPSK



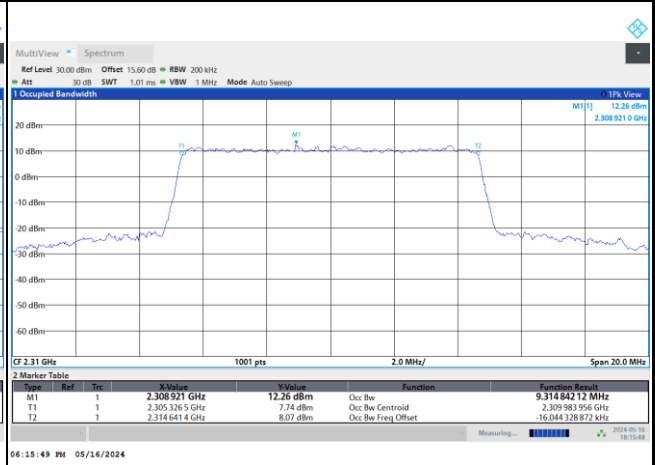
16QAM



64QAM



256QAM



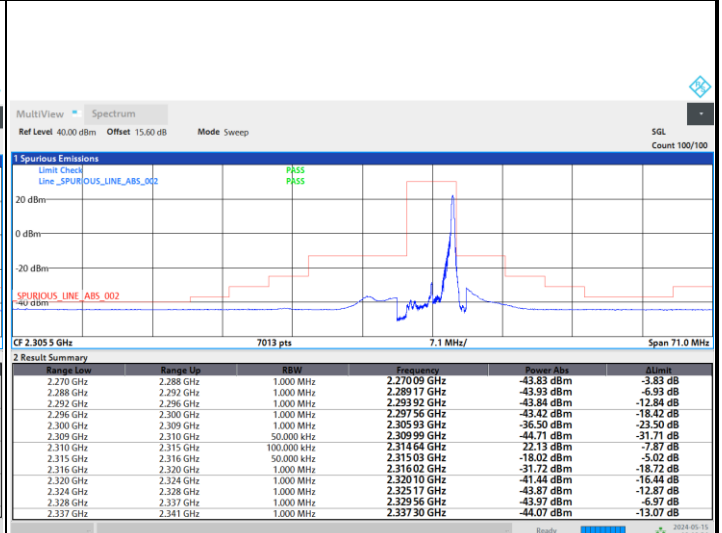
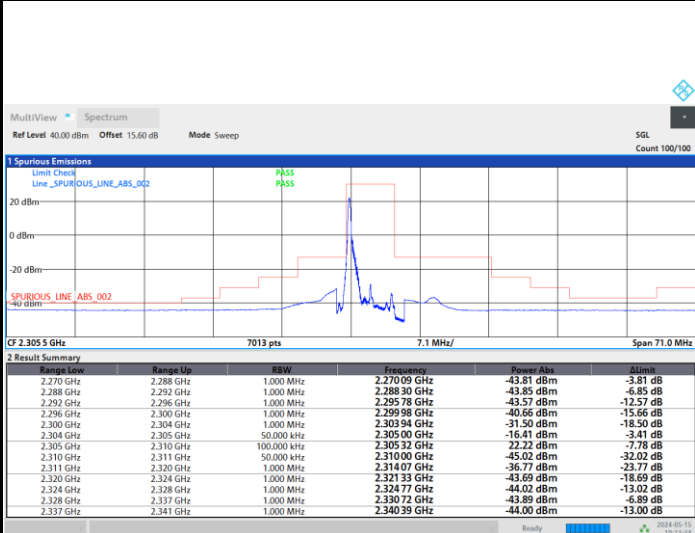


Conducted Band Edge

FR1 n30 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

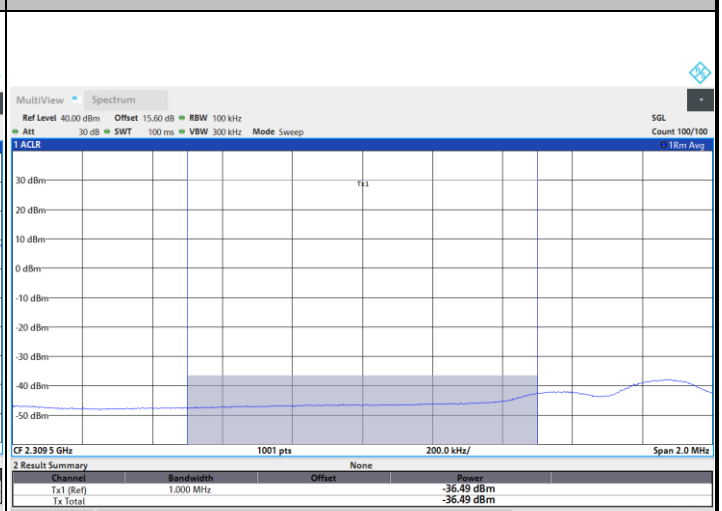
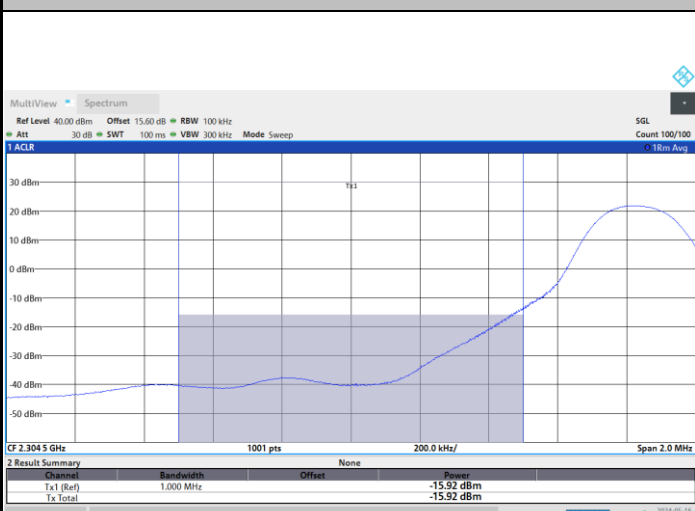


07:13:35 PM 05/15/2024

07:19:35 PM 05/15/2024

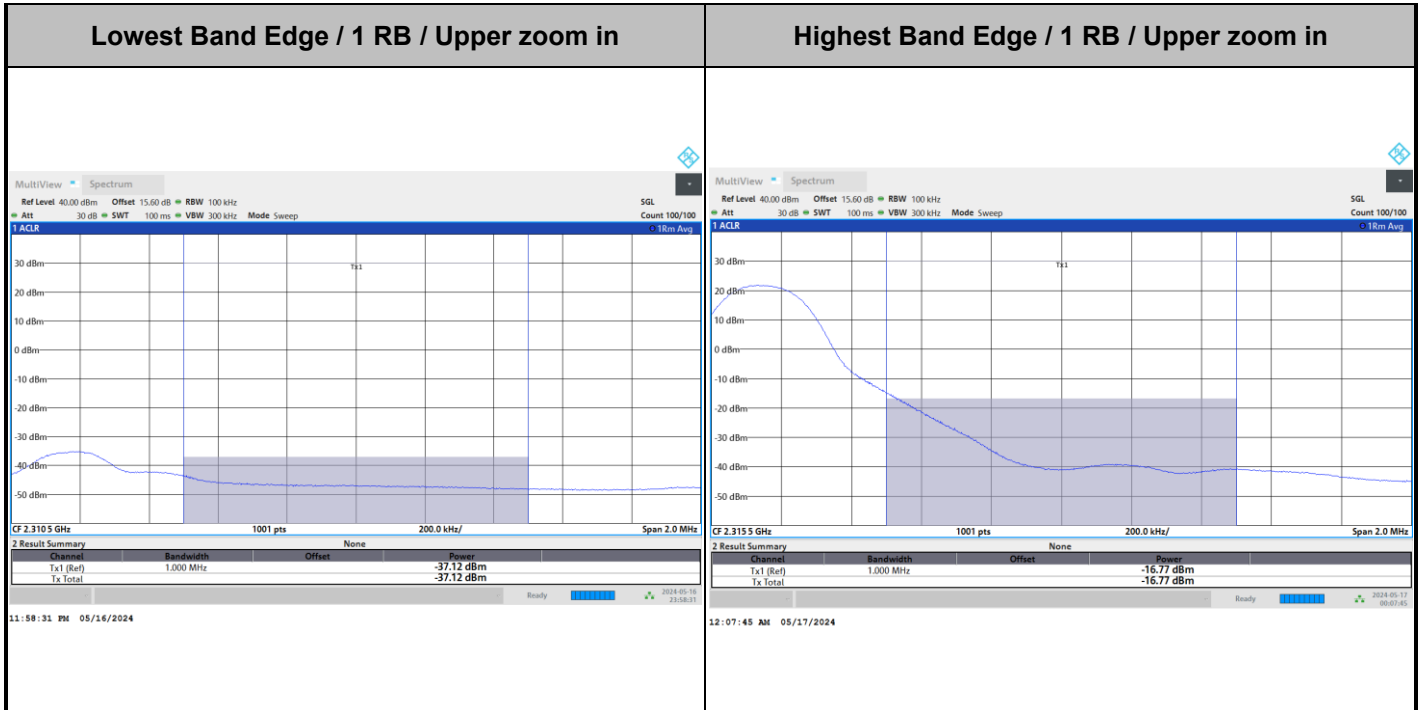
Lowest Band Edge / 1 RB / Lower zoom in

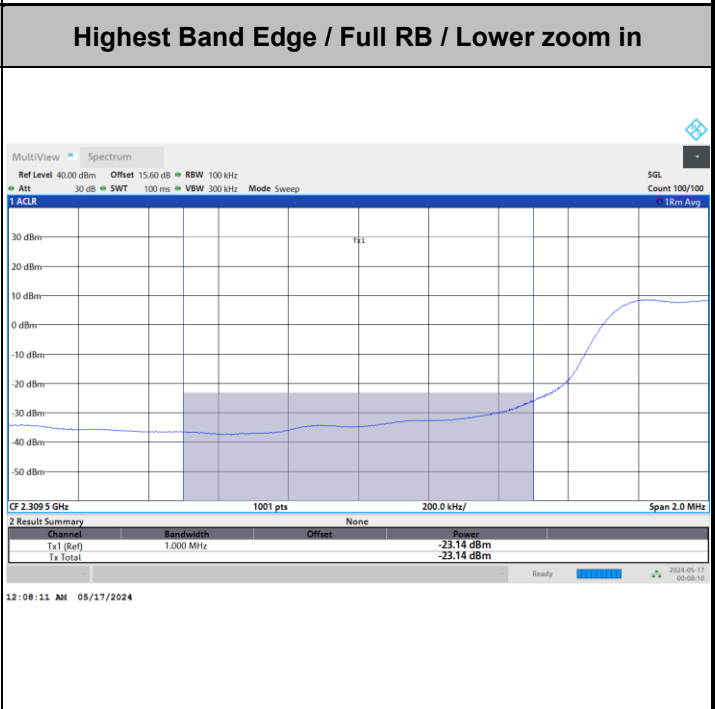
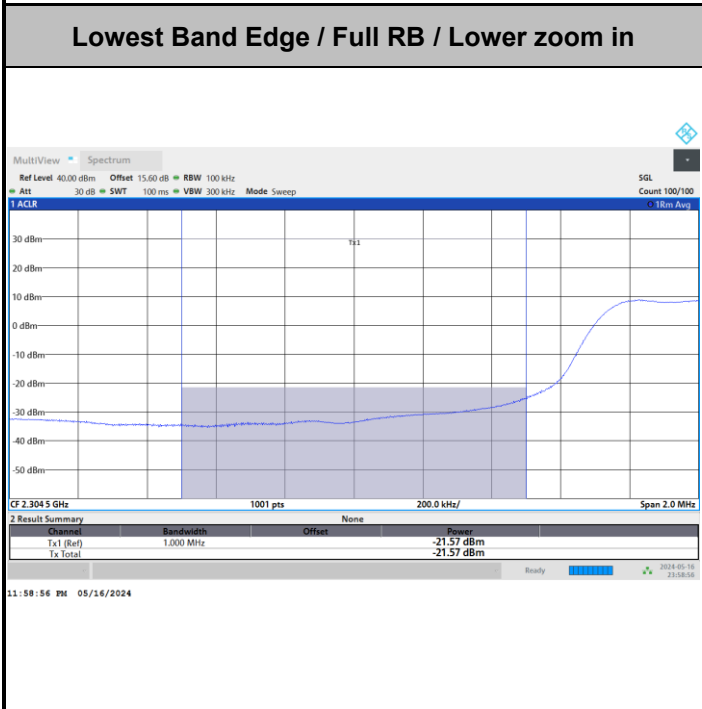
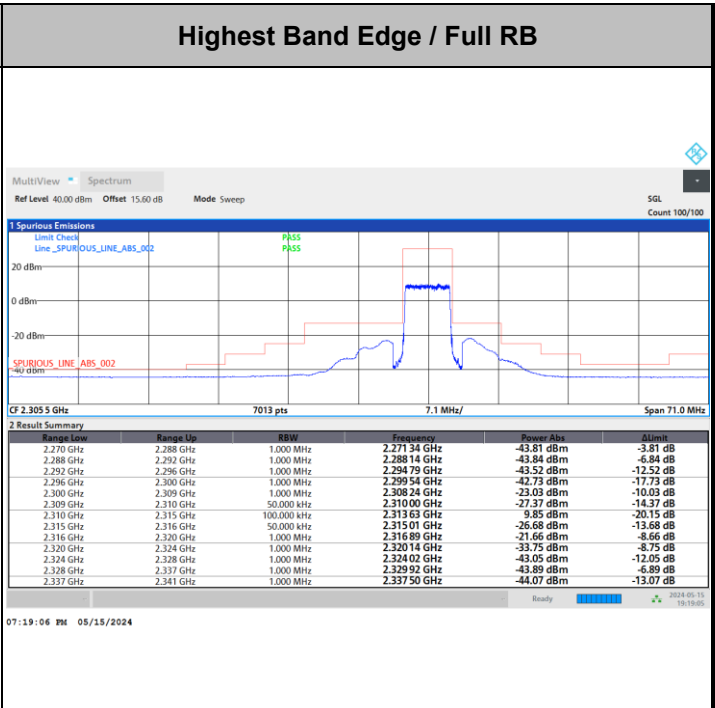
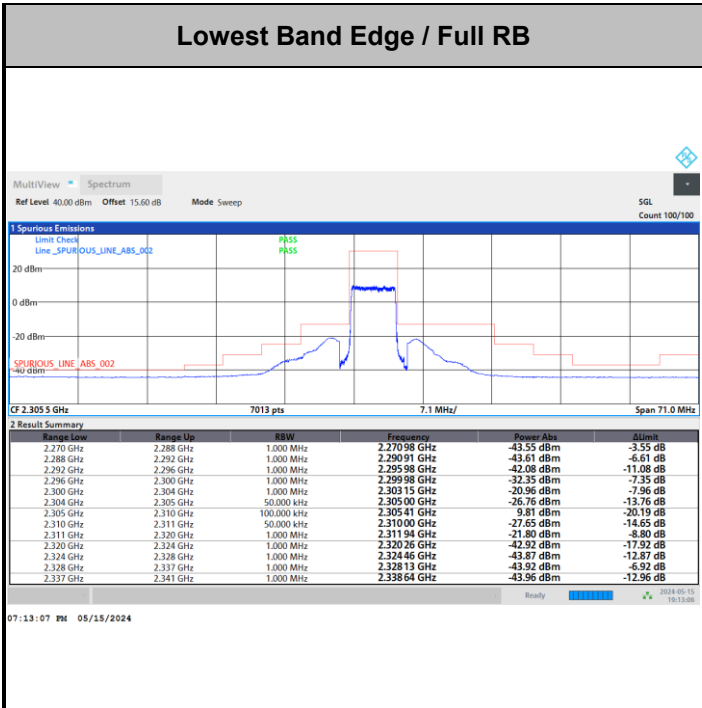
Highest Band Edge / 1 RB / Lower zoom in

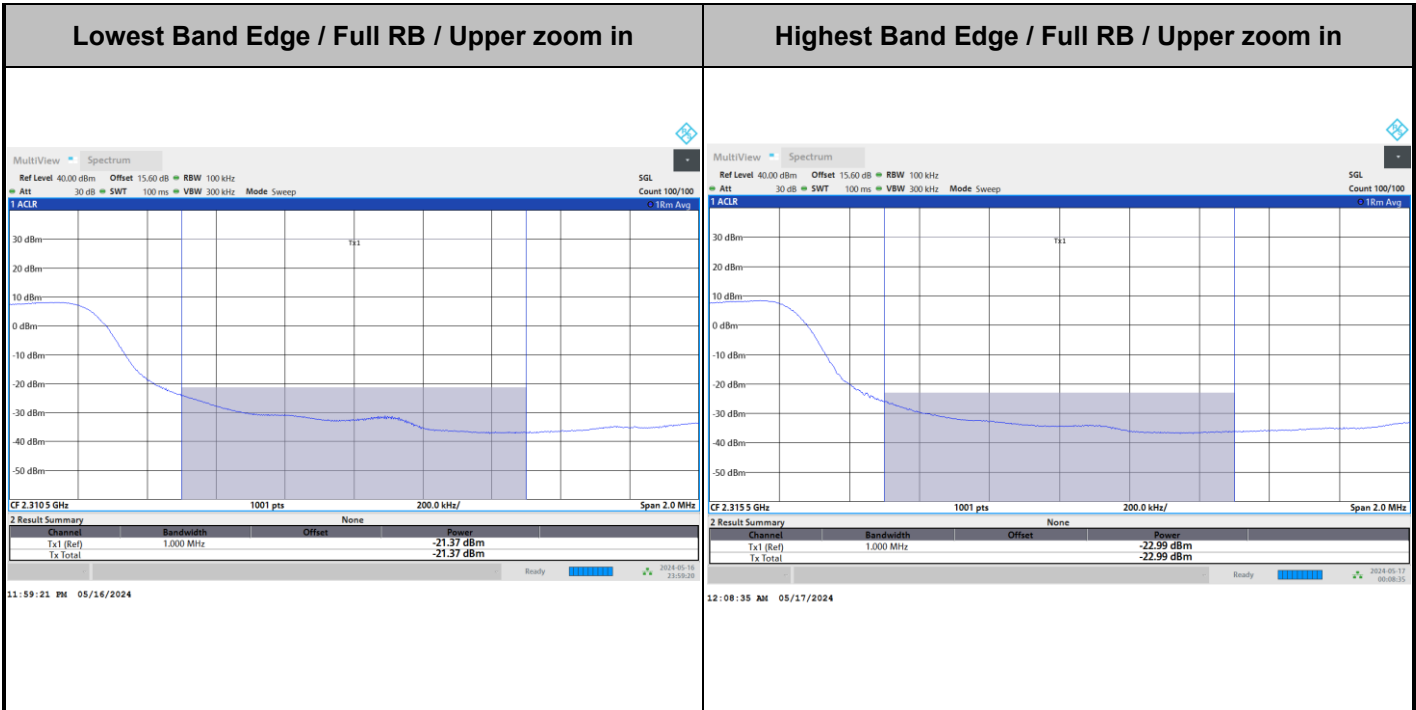


11:58:07 PM 05/16/2024

12:07:21 AM 05/17/2024



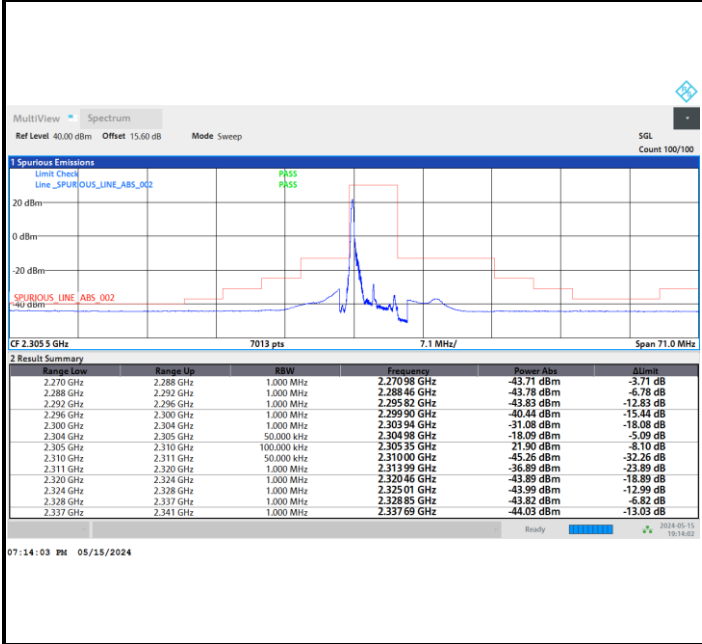




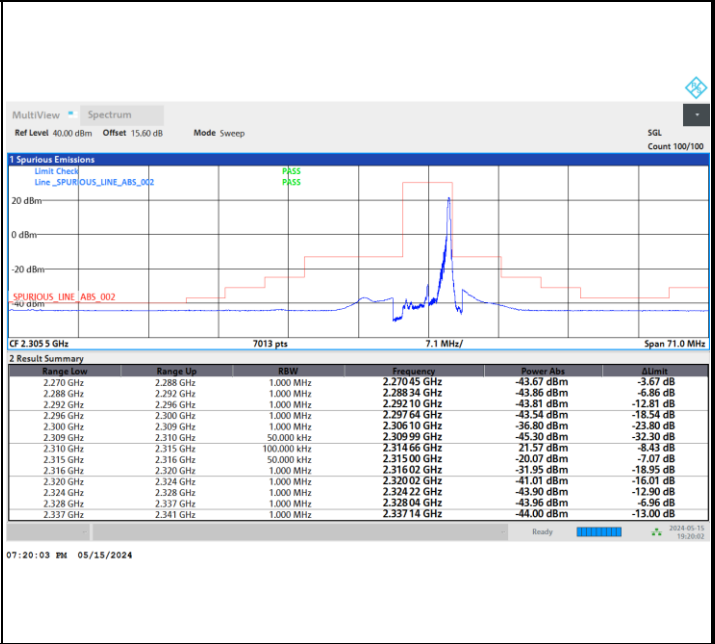


FR1 n30 / 5MHz / DFT-S OFDM / QPSK

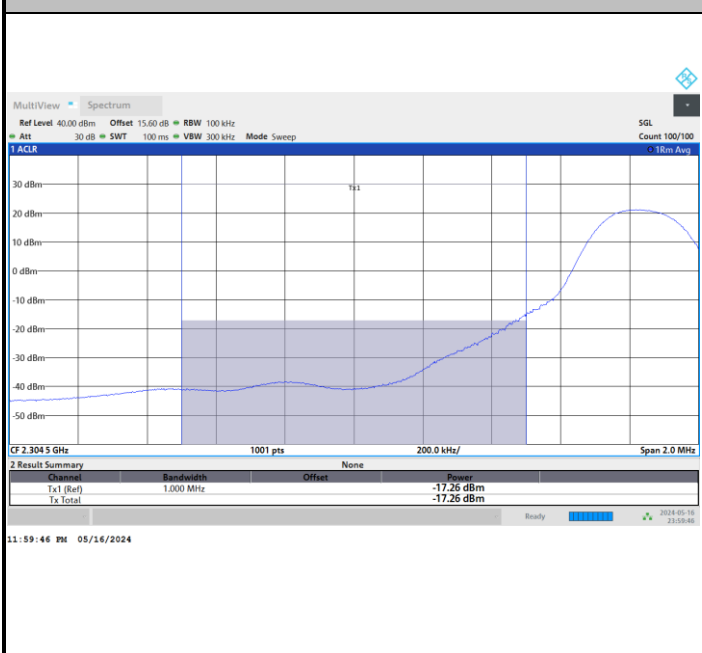
Lowest Band Edge / 1RB0



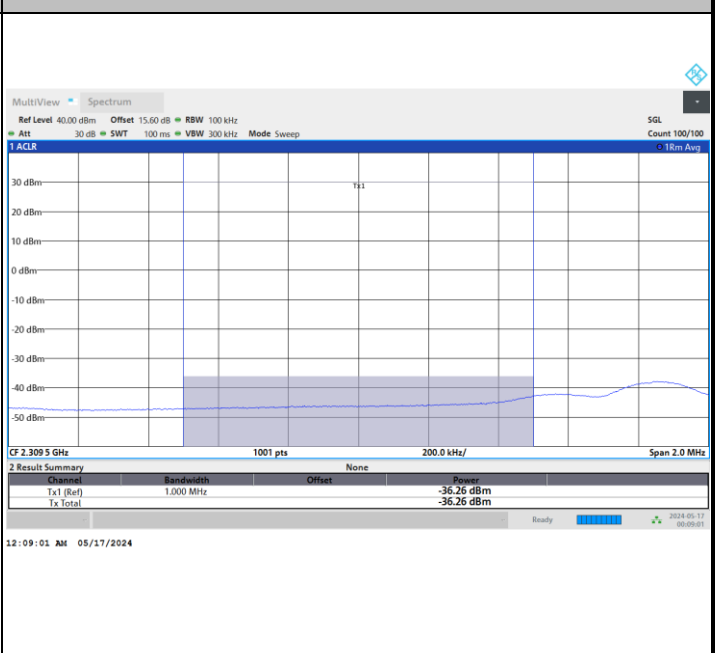
Highest Band Edge / 1RBmax

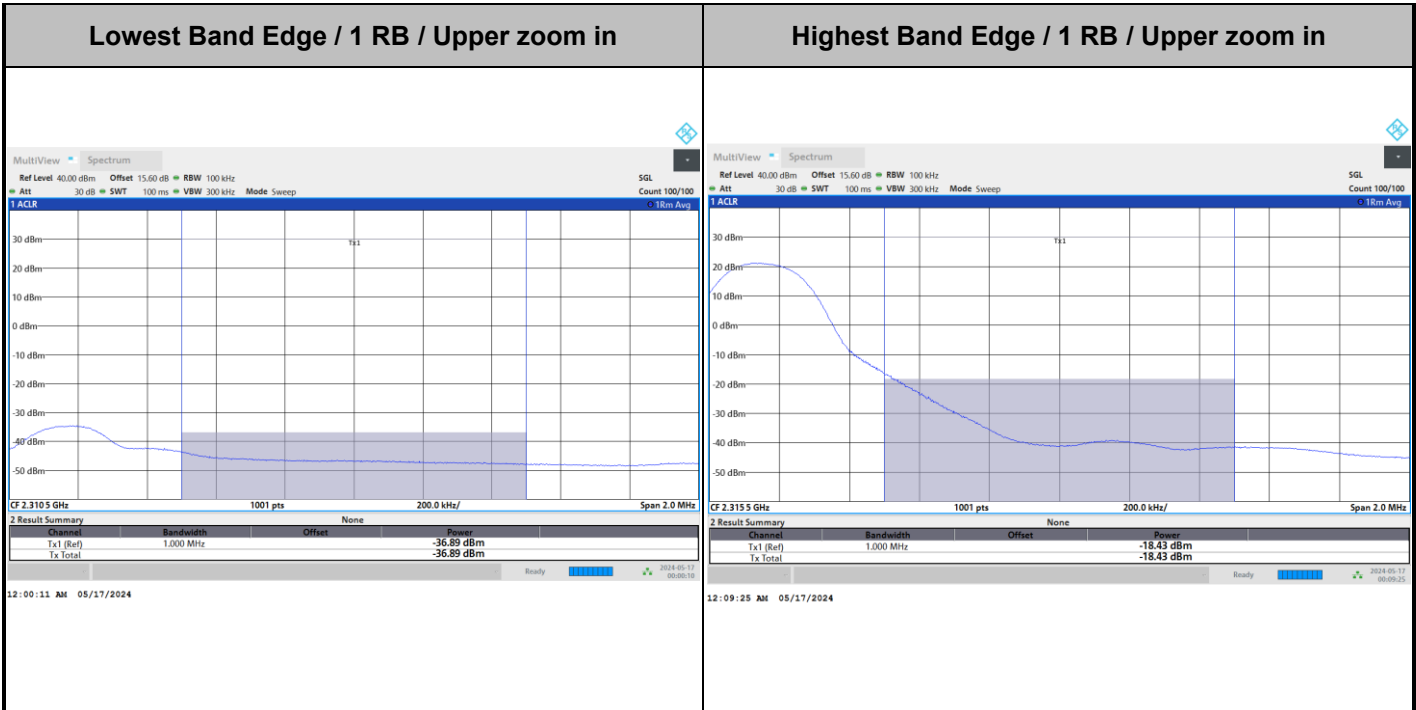


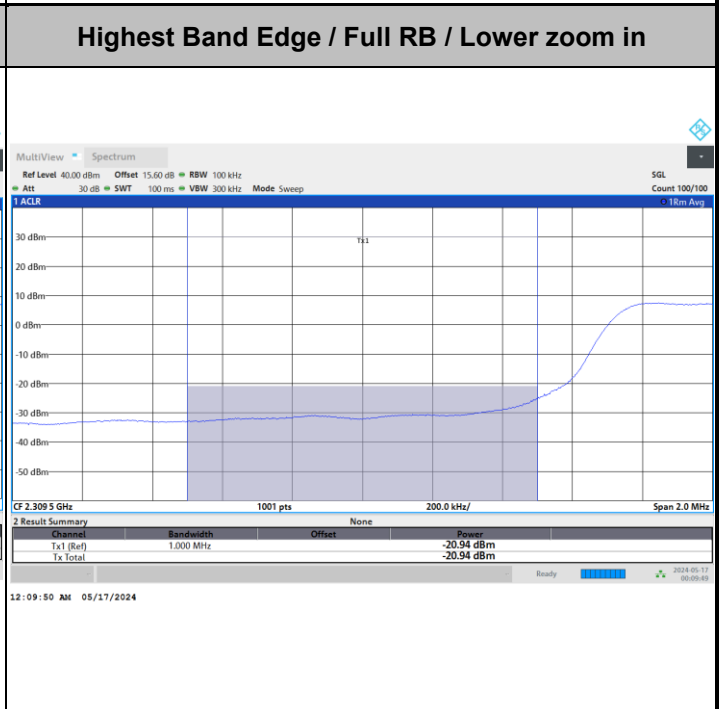
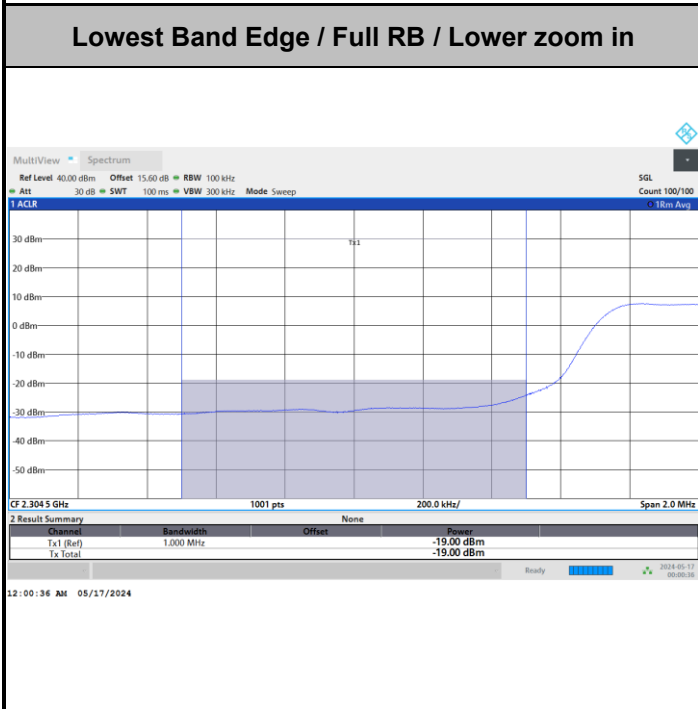
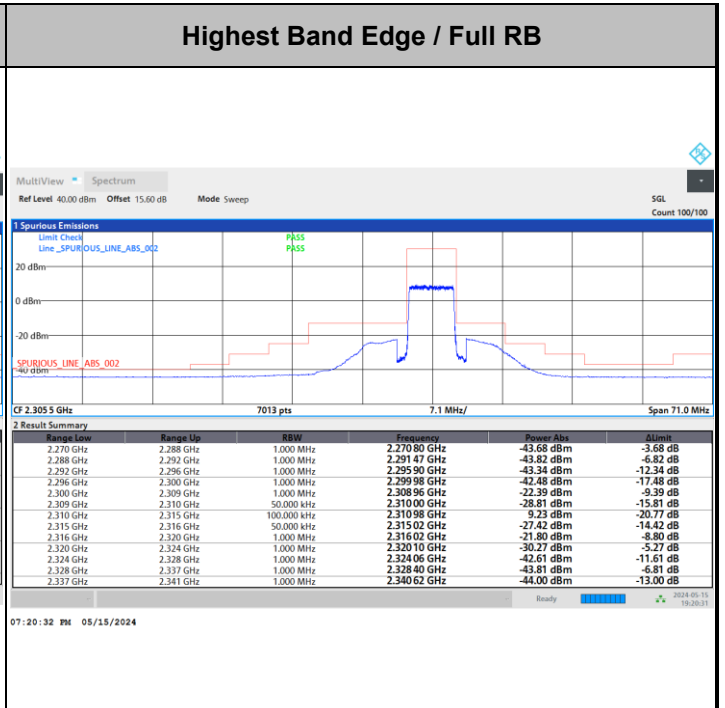
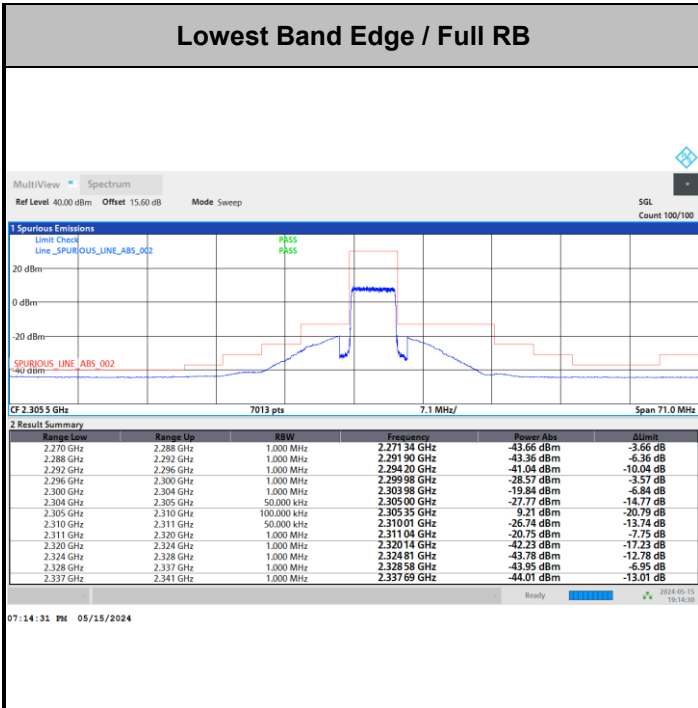
Lowest Band Edge / 1 RB / Lower zoom in

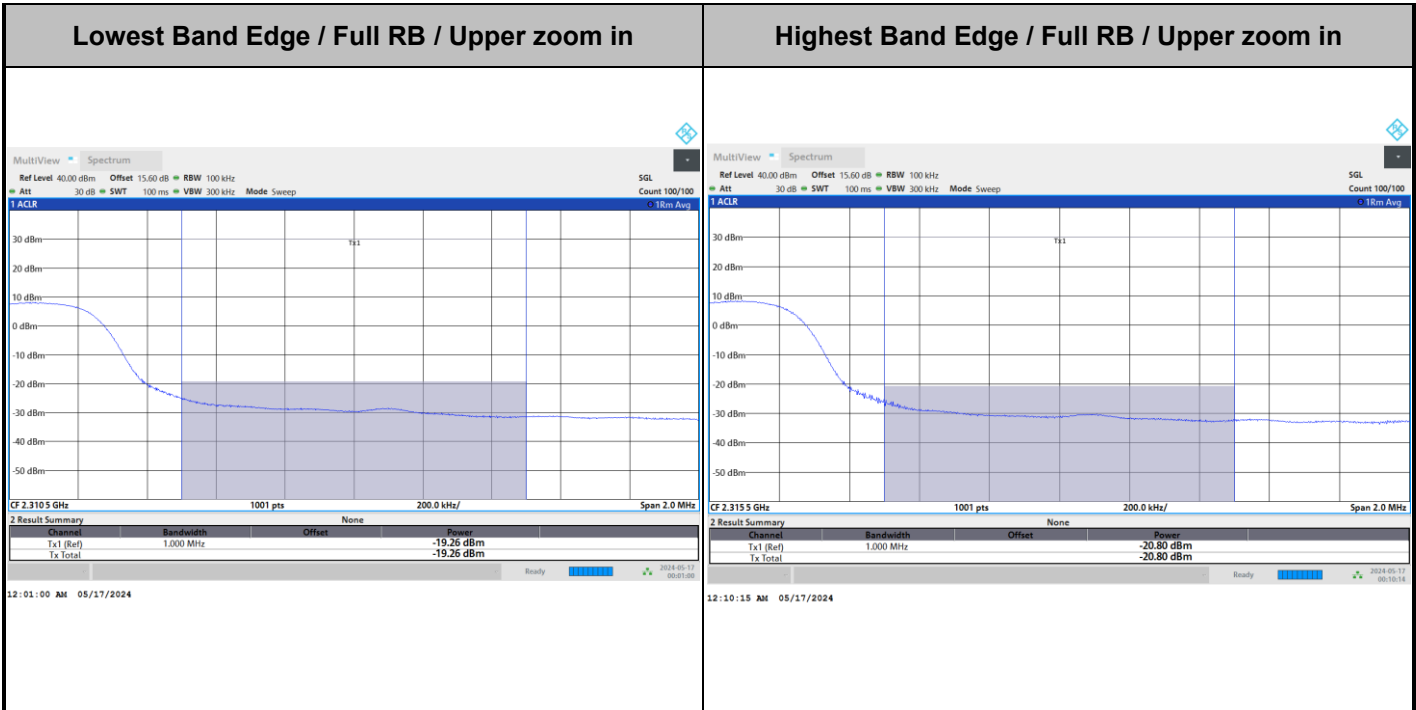


Highest Band Edge / 1 RB / Lower zoom in





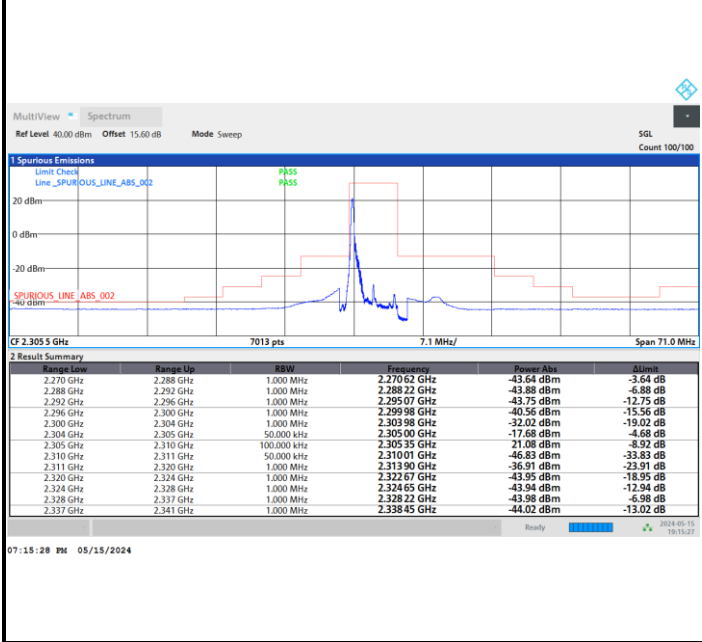




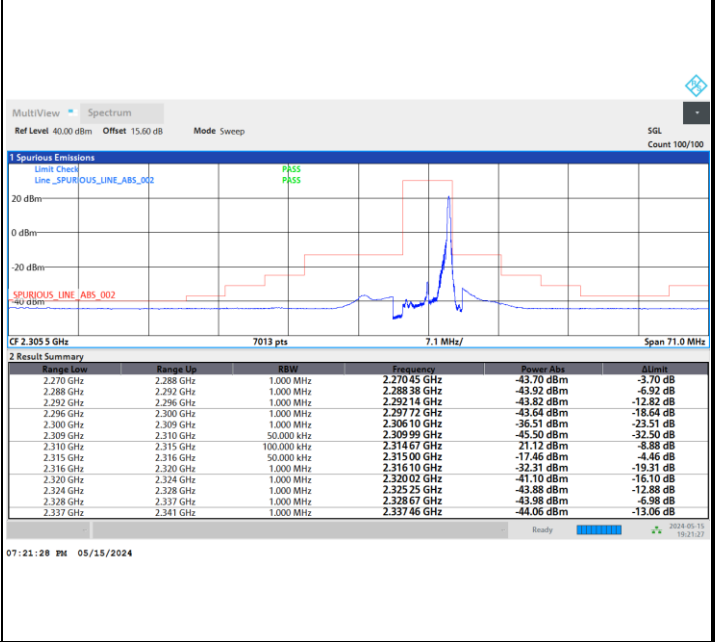


FR1 n30 / 5MHz / DFT-S OFDM / 16QAM

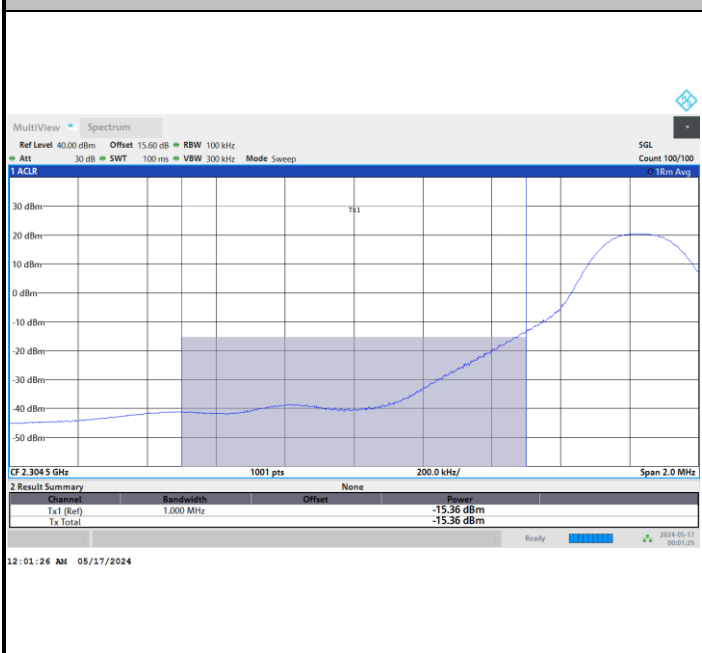
Lowest Band Edge / 1RB0



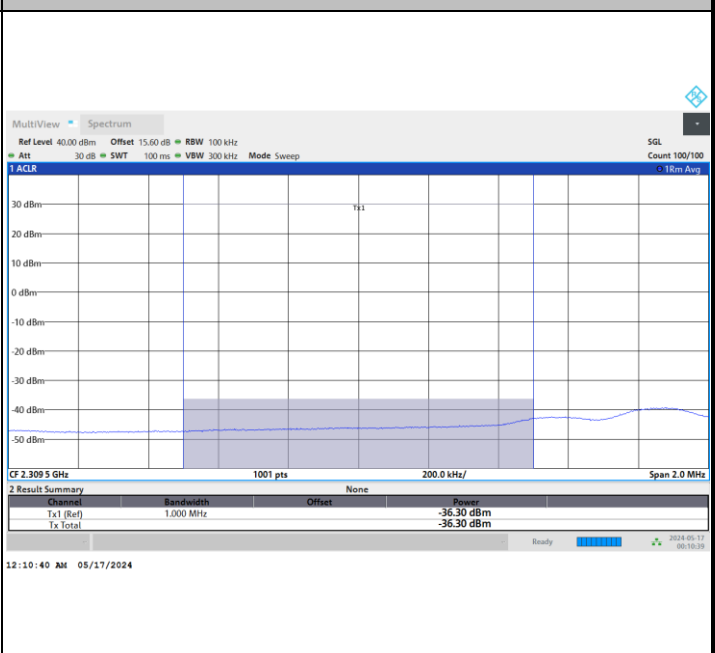
Highest Band Edge / 1RBmax

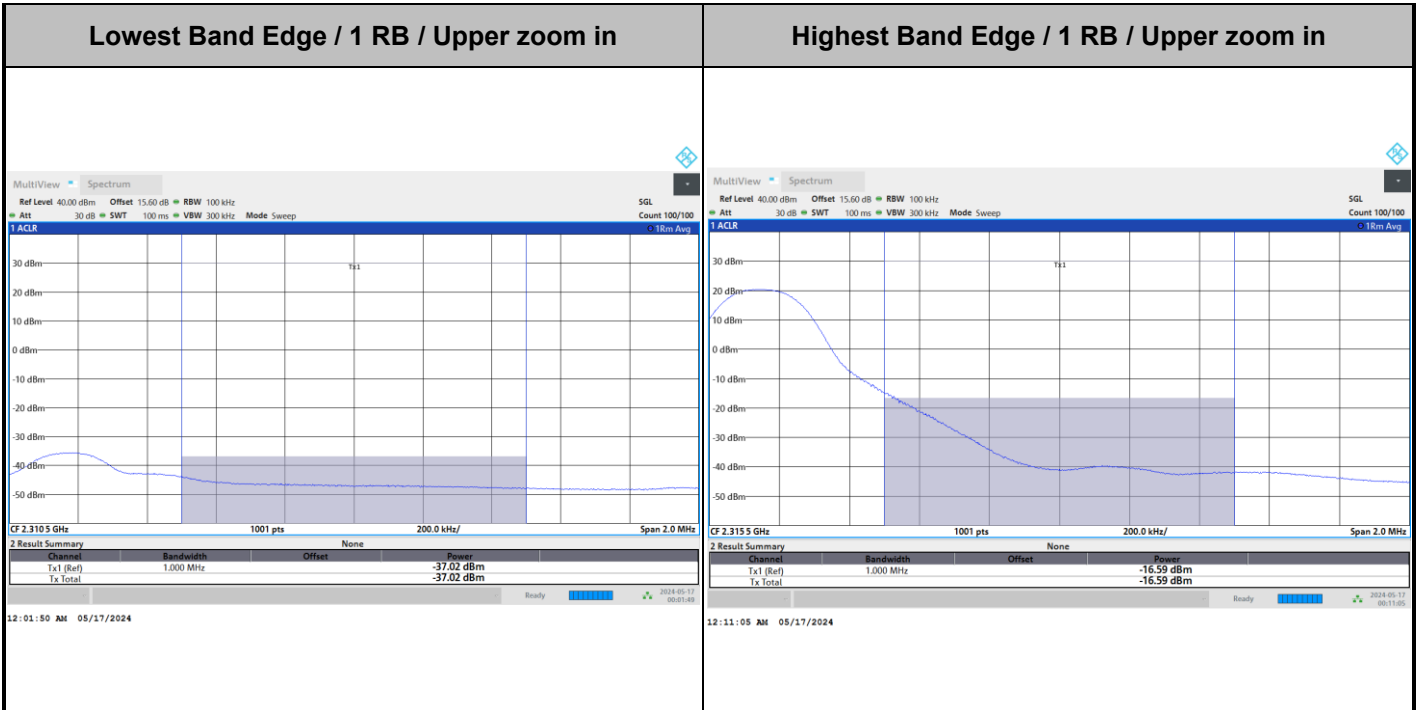


Lowest Band Edge / 1 RB / Lower zoom in



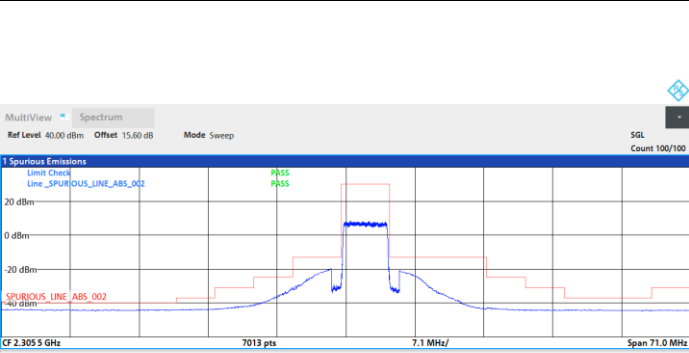
Highest Band Edge / 1 RB / Lower zoom in







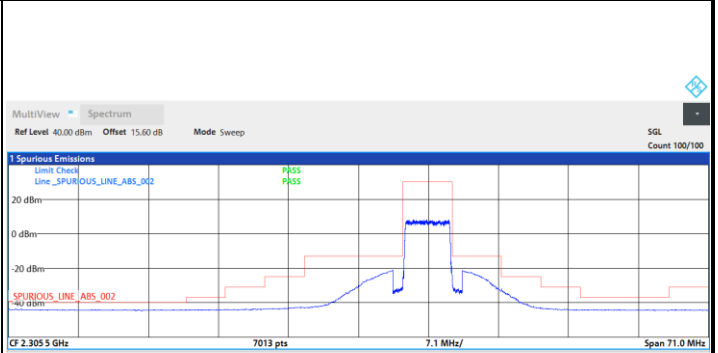
Lowest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.270 GHz	2.288 GHz	1.000 MHz	2.271 69 GHz	-43.78 dBm	-3.78 dB
2.288 GHz	2.292 GHz	1.000 MHz	2.291 98 GHz	-43.53 dBm	-6.53 dB
2.292 GHz	2.296 GHz	1.000 MHz	2.295 70 GHz	-41.16 dBm	-10.16 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.299 94 GHz	-31.00 dBm	-6.00 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.303 90 GHz	-19.81 dBm	-6.81 dB
2.304 GHz	2.305 GHz	50.000 kHz	2.304 98 GHz	-28.52 dBm	-15.52 dB
2.305 GHz	2.310 GHz	100.000 kHz	2.305 94 GHz	8.30 dBm	-21.70 dB
2.310 GHz	2.311 GHz	50.000 kHz	2.310 01 GHz	-27.82 dBm	-14.82 dB
2.311 GHz	2.320 GHz	1.000 MHz	2.311 04 GHz	-20.90 dBm	-7.90 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.320 50 GHz	-42.70 dBm	-17.70 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.324 06 GHz	-43.98 dBm	-12.98 dB
2.328 GHz	2.337 GHz	1.000 MHz	2.328 58 GHz	-43.98 dBm	-6.98 dB
2.337 GHz	2.341 GHz	1.000 MHz	2.338 64 GHz	-44.07 dBm	-13.07 dB

07:14:59 PM 05/15/2024

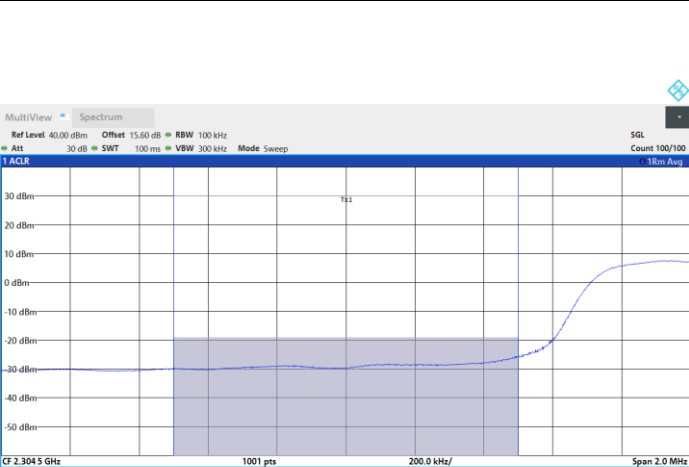
Highest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.270 GHz	2.288 GHz	1.000 MHz	2.270 09 GHz	-43.73 dBm	-3.73 dB
2.288 GHz	2.292 GHz	1.000 MHz	2.288 30 GHz	-43.90 dBm	-6.90 dB
2.292 GHz	2.296 GHz	1.000 MHz	2.295 78 GHz	-43.56 dBm	-12.56 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.299 66 GHz	-42.57 dBm	-17.57 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.308 96 GHz	-20.97 dBm	-7.97 dB
2.304 GHz	2.305 GHz	50.000 kHz	2.310 00 GHz	-29.37 dBm	-16.37 dB
2.305 GHz	2.310 GHz	100.000 kHz	2.312 19 GHz	8.07 dBm	-21.93 dB
2.310 GHz	2.311 GHz	50.000 kHz	2.315 00 GHz	-27.83 dBm	-14.83 dB
2.311 GHz	2.320 GHz	1.000 MHz	2.316 06 GHz	-21.26 dBm	-8.26 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.320 06 GHz	-32.02 dBm	-7.02 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.324 14 GHz	-42.94 dBm	-11.94 dB
2.328 GHz	2.337 GHz	1.000 MHz	2.328 85 GHz	-43.88 dBm	-6.88 dB
2.337 GHz	2.341 GHz	1.000 MHz	2.337 73 GHz	-44.00 dBm	-13.00 dB

07:21:00 PM 05/15/2024

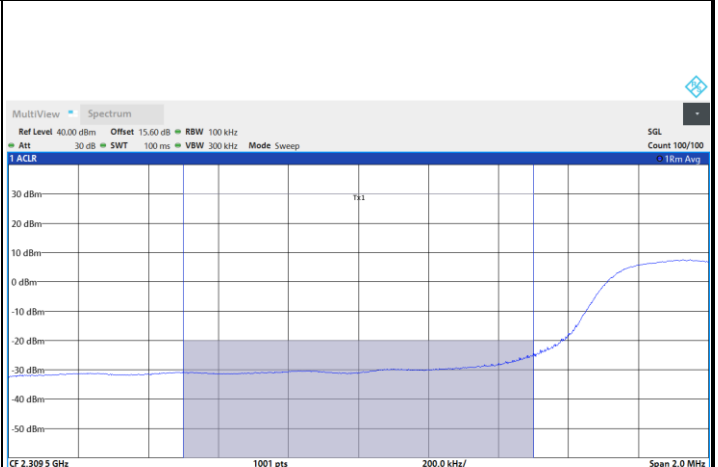
Lowest Band Edge / Full RB / Lower zoom in



Channel	Bandwidth	Offset	Power
Tx1 (Ref)	1.000 MHz		-19.09 dBm
Tx Total			-19.09 dBm

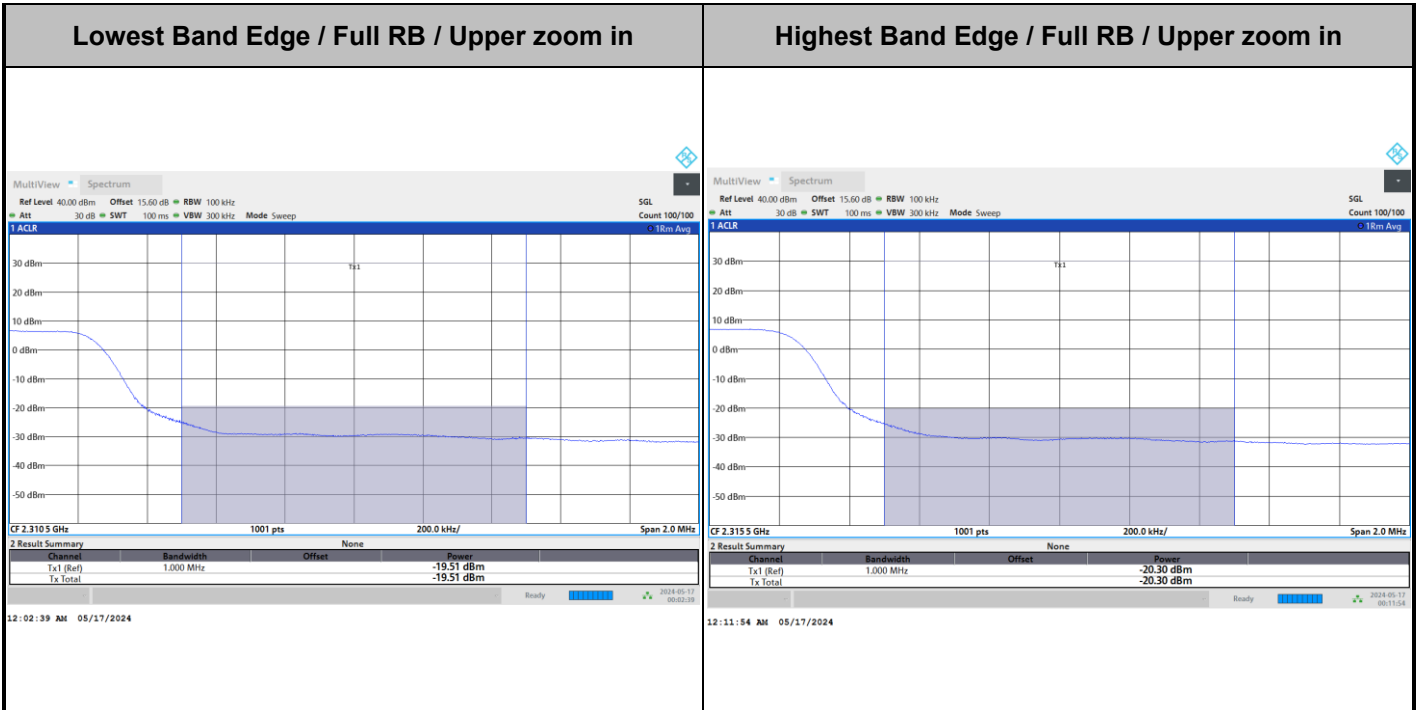
12:02:15 AM 05/17/2024

Highest Band Edge / Full RB / Lower zoom in



Channel	Bandwidth	Offset	Power
Tx1 (Ref)	1.000 MHz		-20.07 dBm
Tx Total			-20.07 dBm

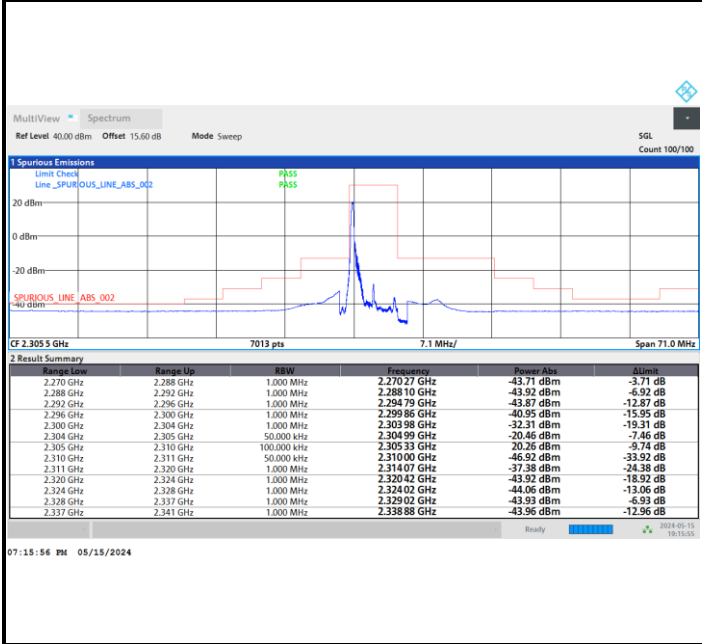
12:11:30 AM 05/17/2024



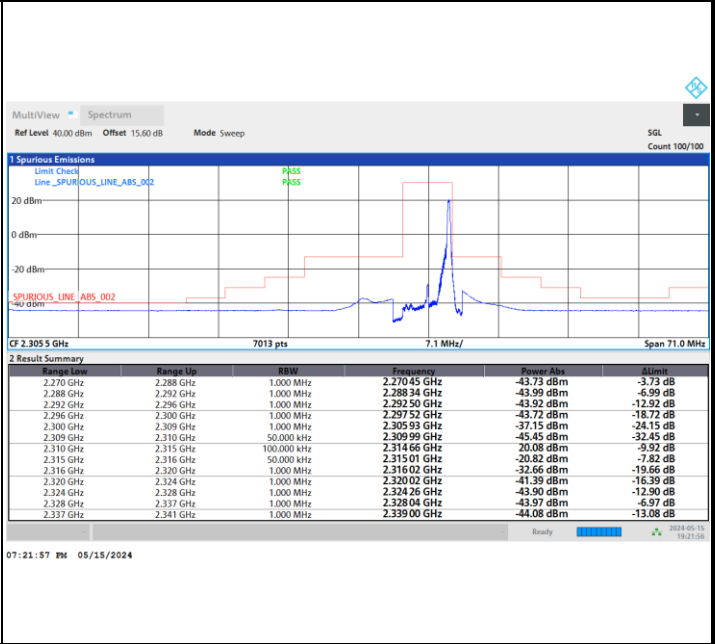


FR1 n30 / 5MHz / DFT-S OFDM / 64QAM

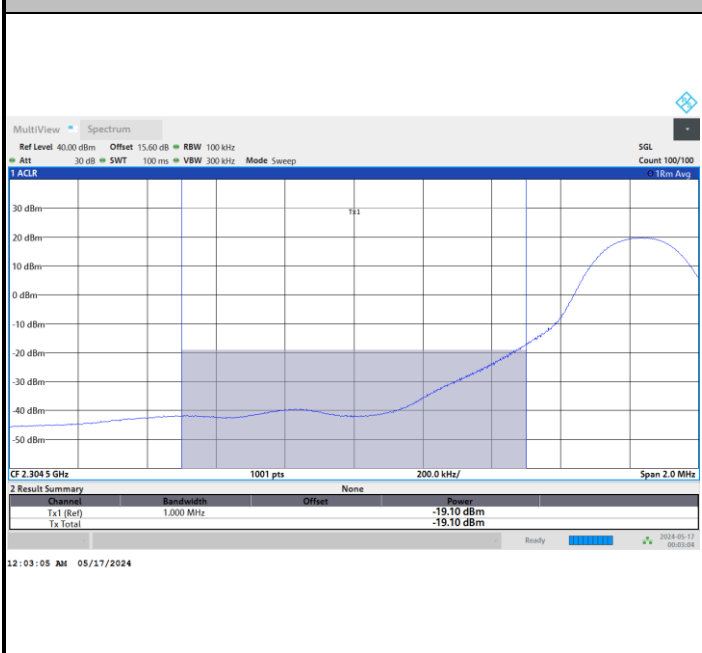
Lowest Band Edge / 1RB0



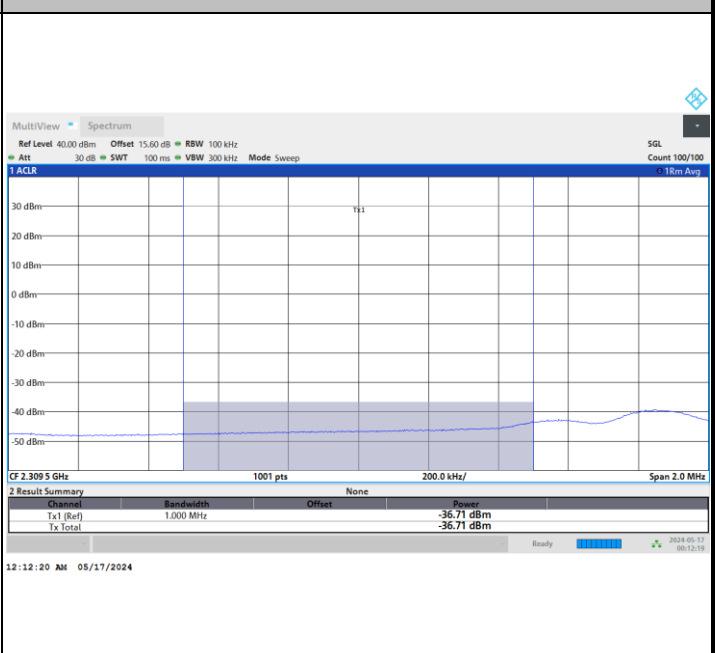
Highest Band Edge / 1RBmax

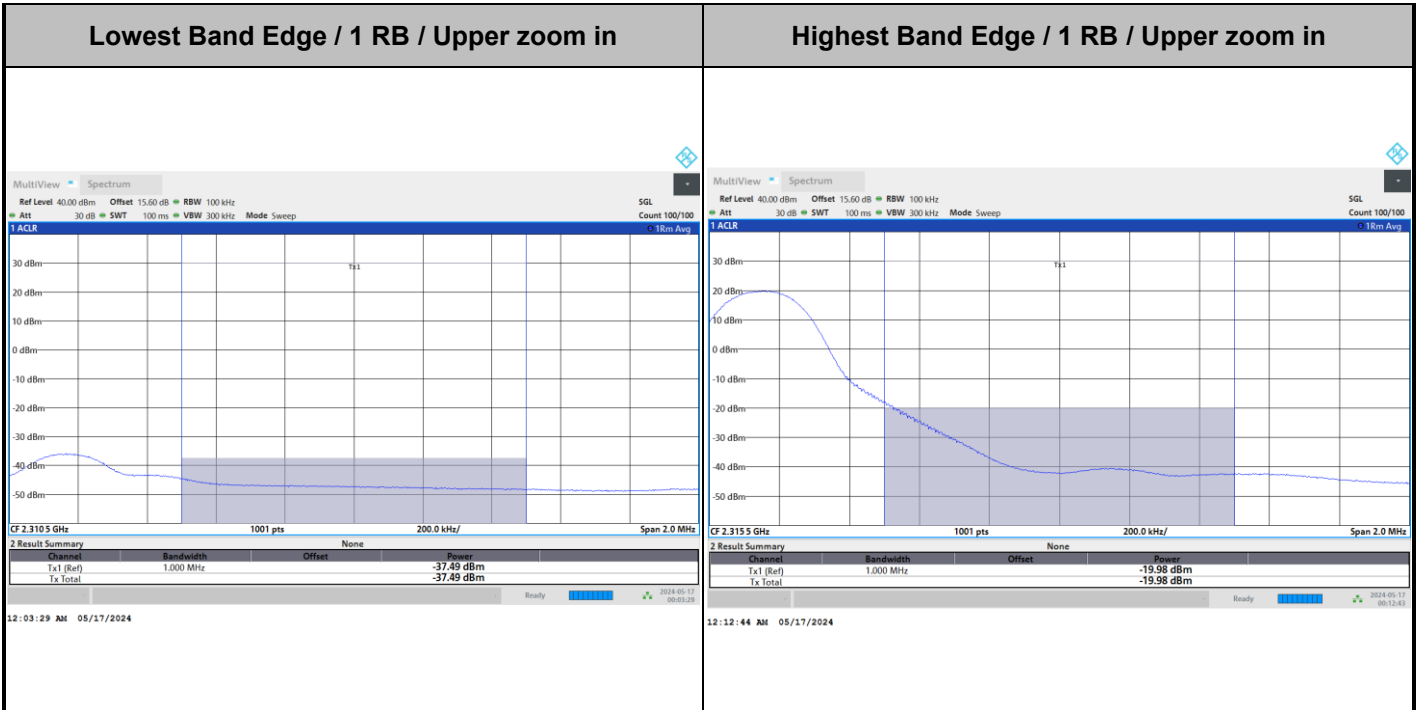


Lowest Band Edge / 1 RB / Lower zoom in



Highest Band Edge / 1 RB / Lower zoom in

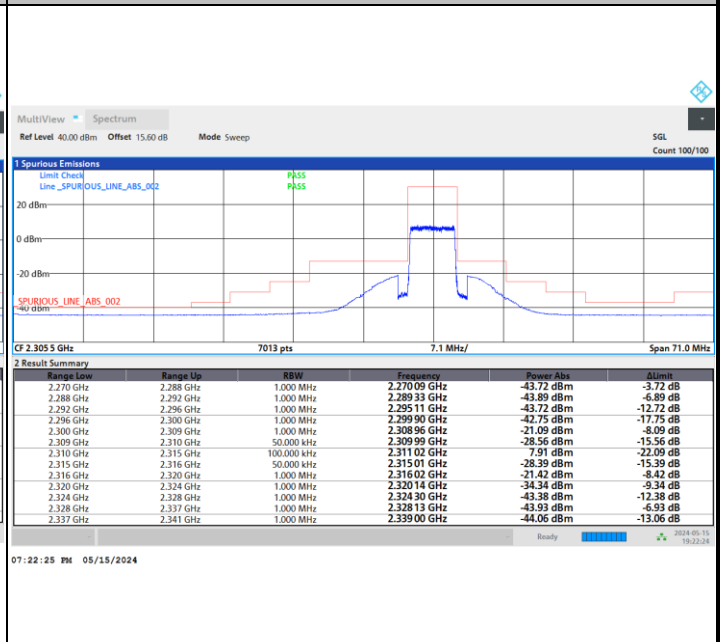
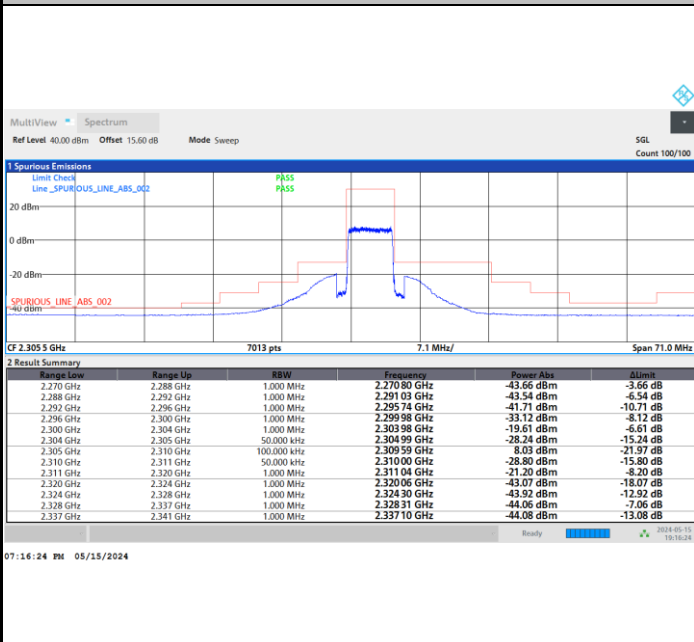






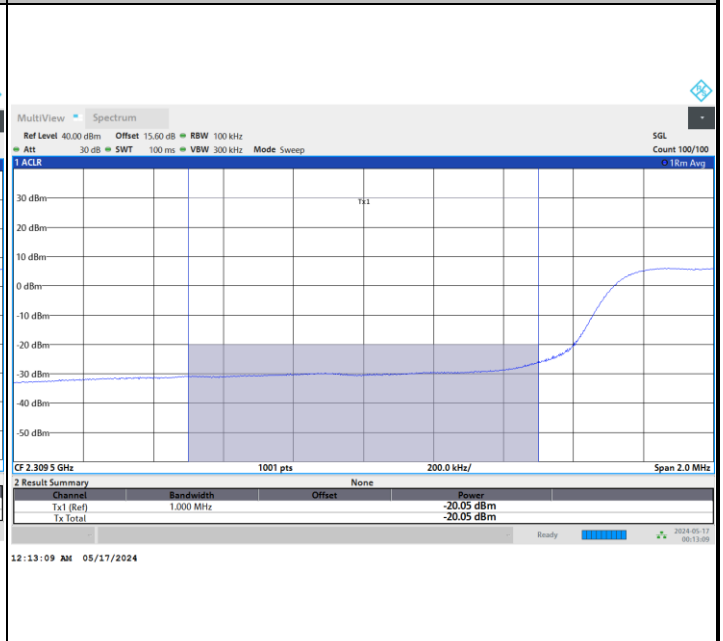
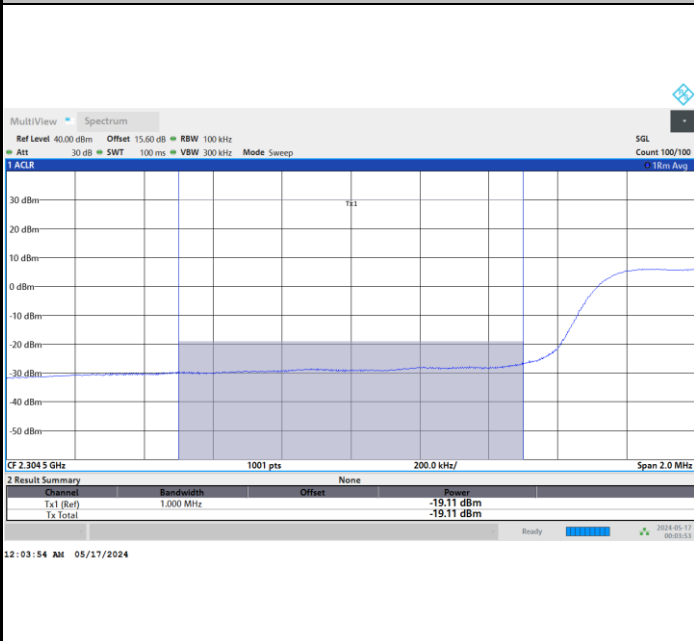
Lowest Band Edge / Full RB

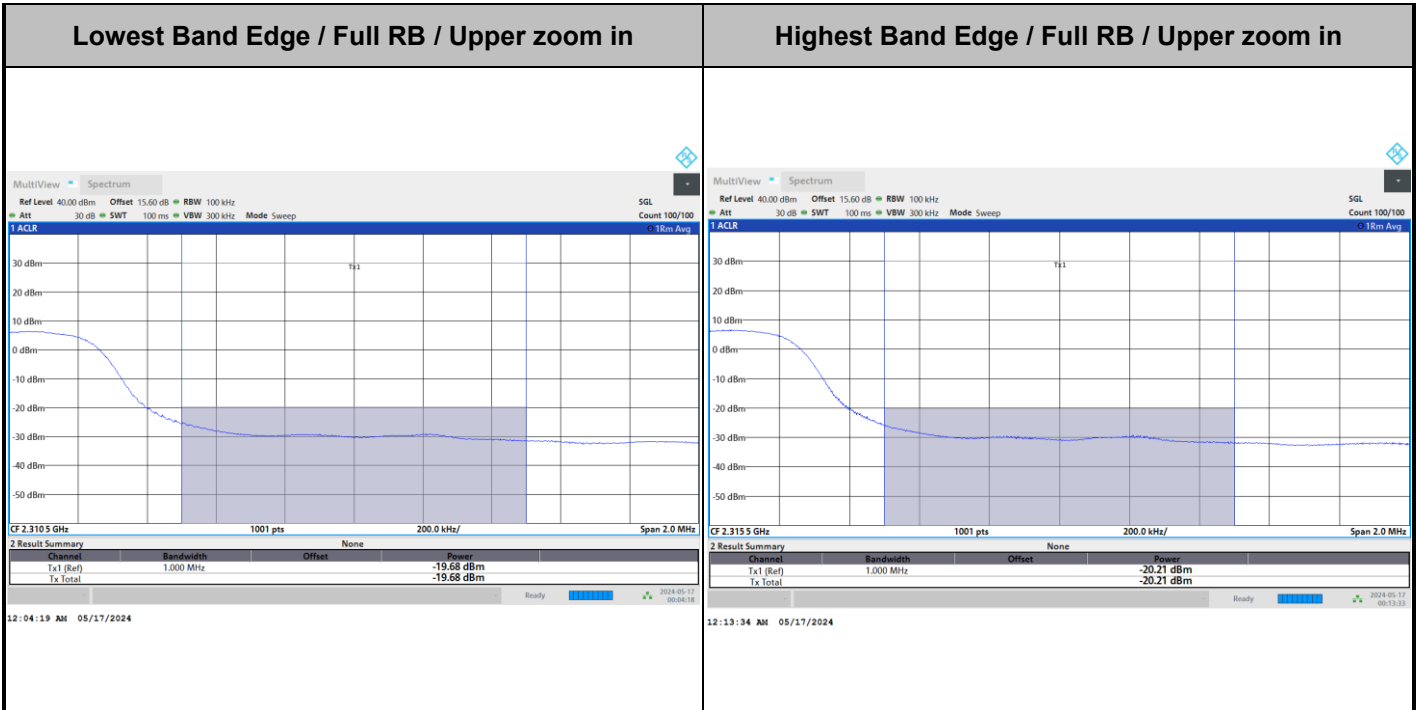
Highest Band Edge / Full RB



Lowest Band Edge / Full RB / Lower zoom in

Highest Band Edge / Full RB / Lower zoom in



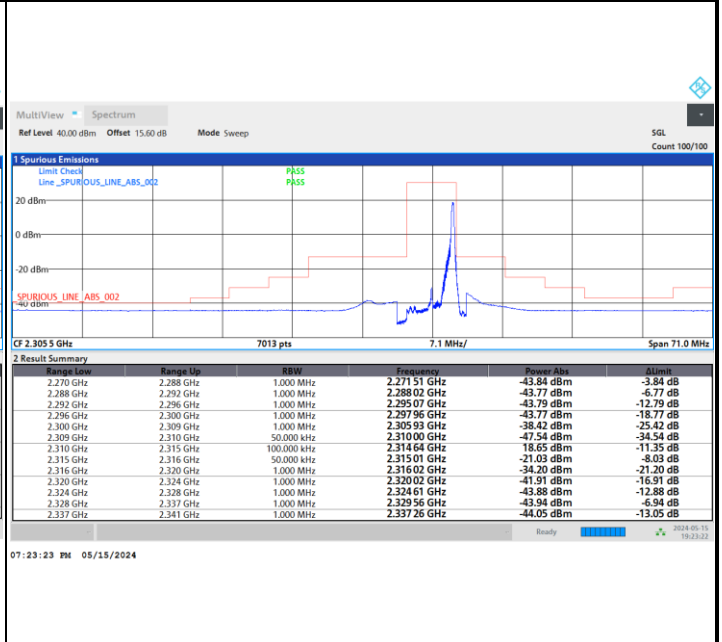
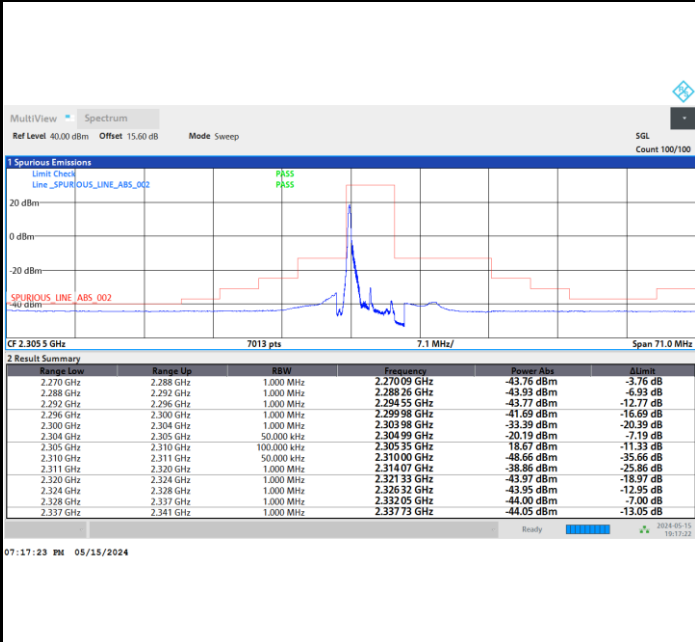




FR1 n30 / 5MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / 1 RB / Lower zoom in

Highest Band Edge / 1 RB / Lower zoom in

