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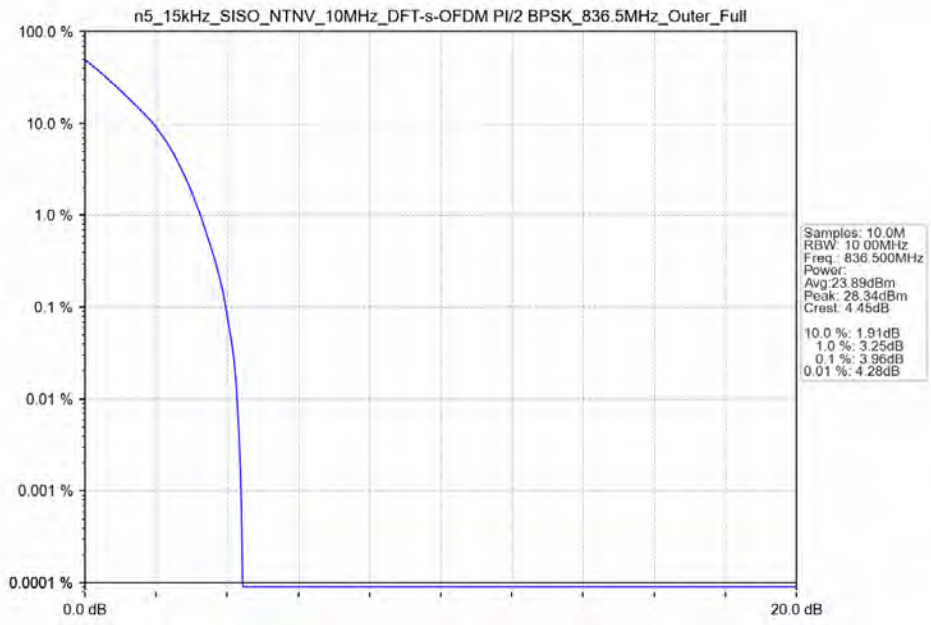

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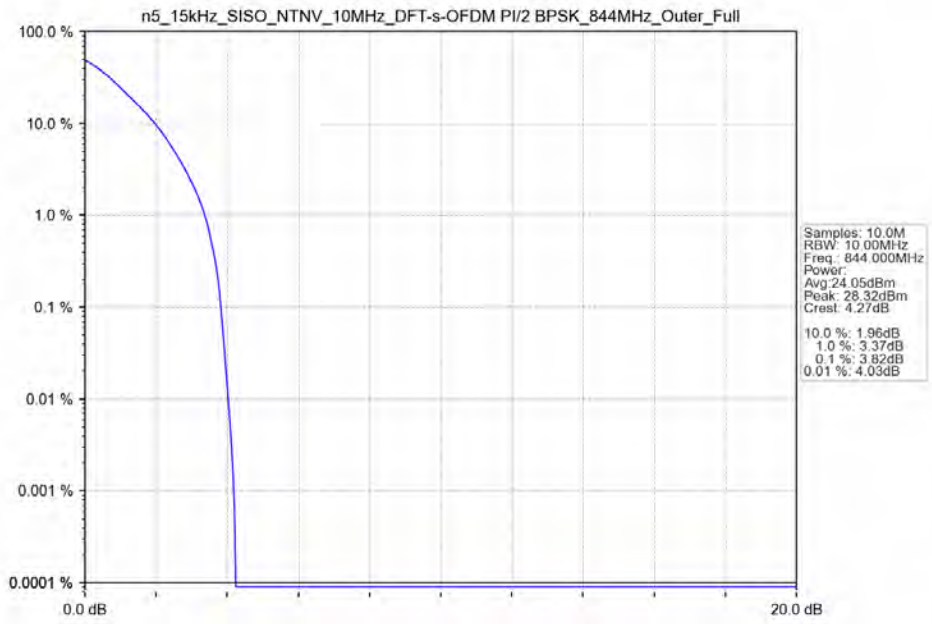
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_844MHz_Outer_Full



n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_829MHz_Outer_Full

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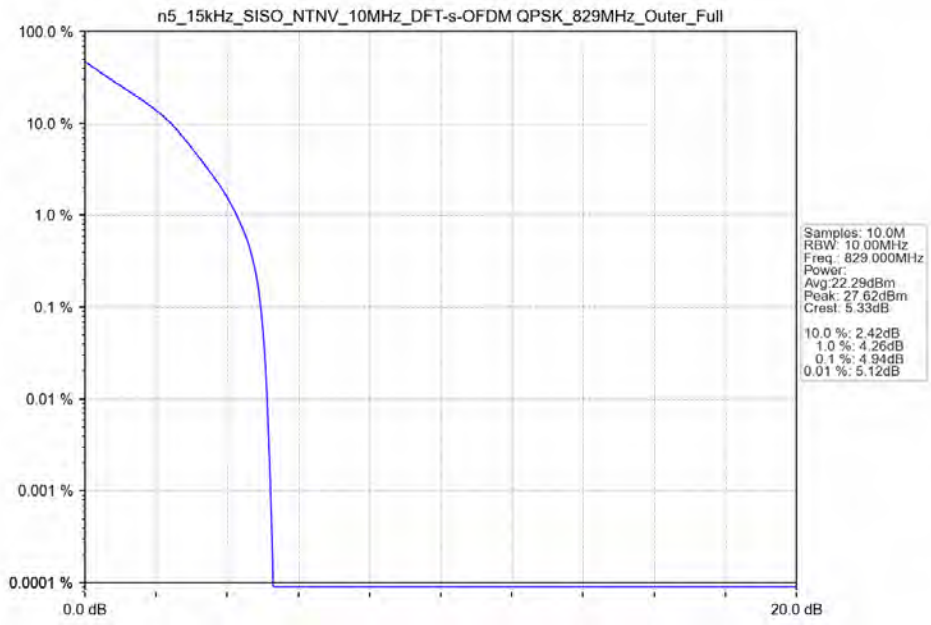

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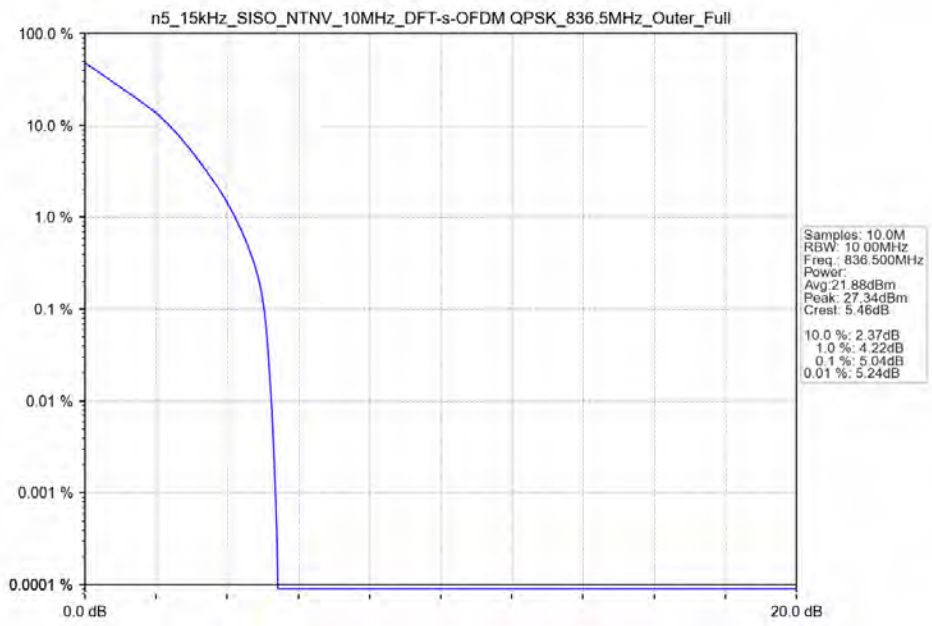
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_844MHz_Outer_Full

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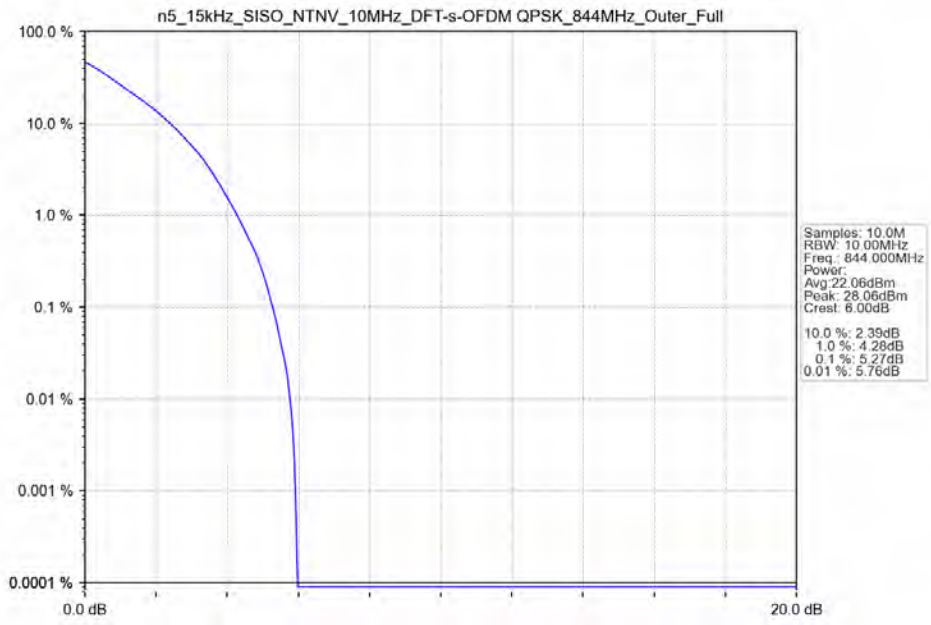

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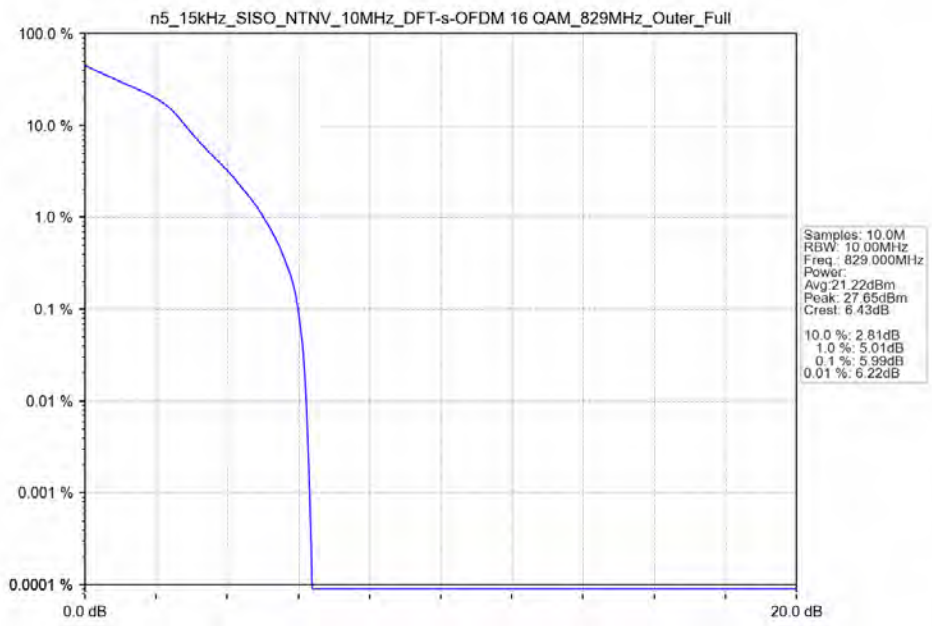
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_829MHz_Outer_Full



n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_836.5MHz_Outer_Full

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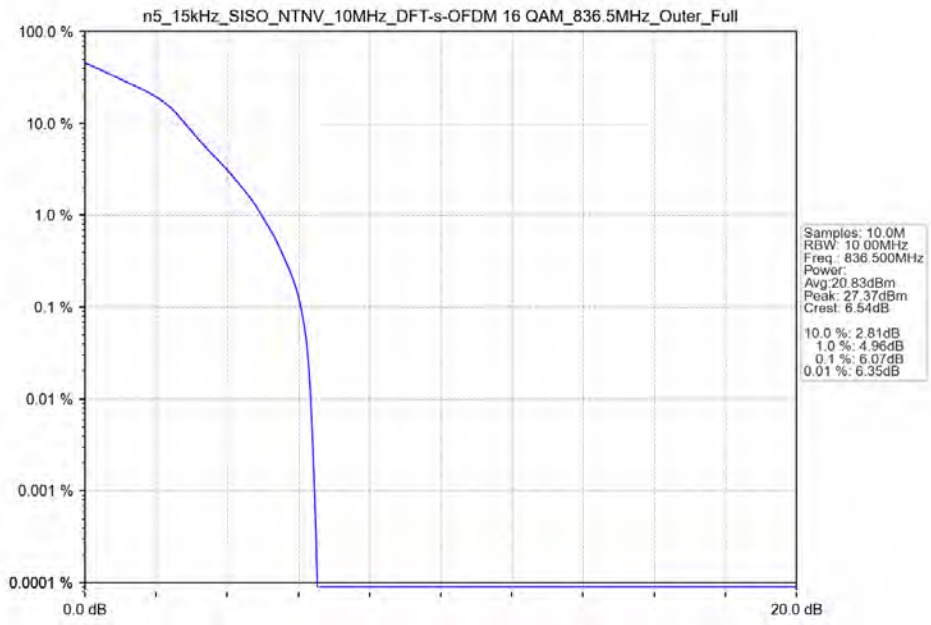

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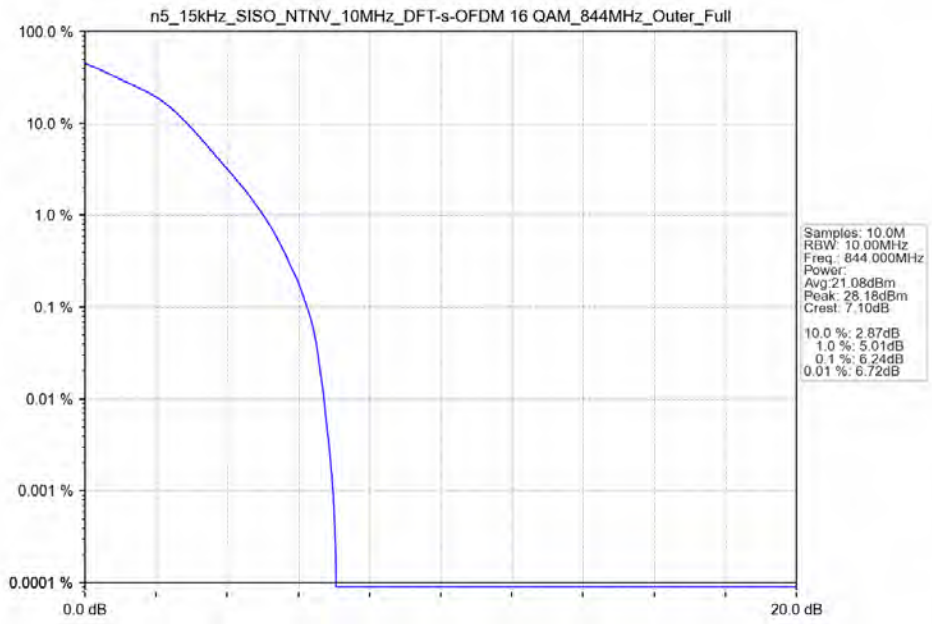

n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_829MHz_Outer_Full

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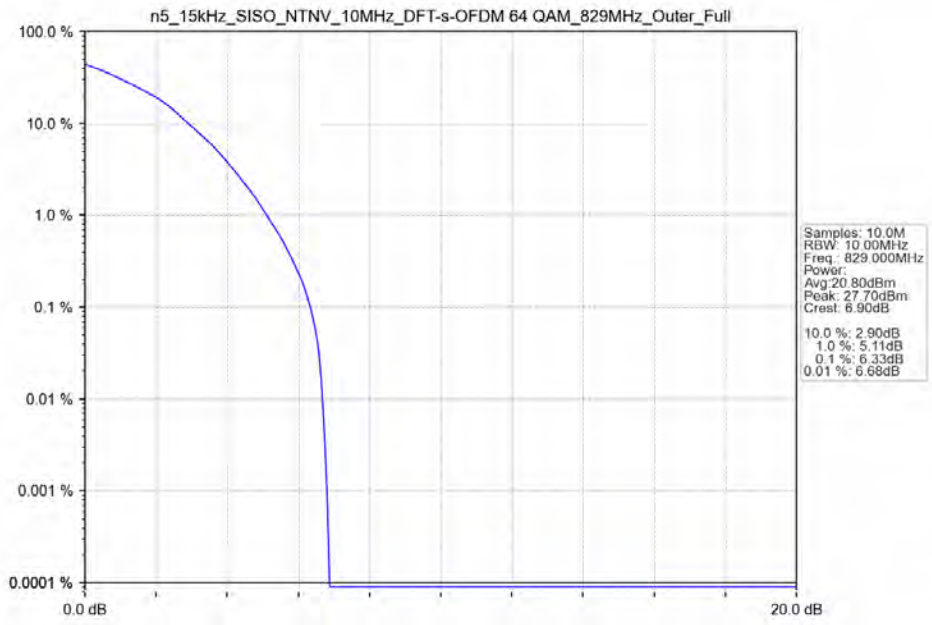

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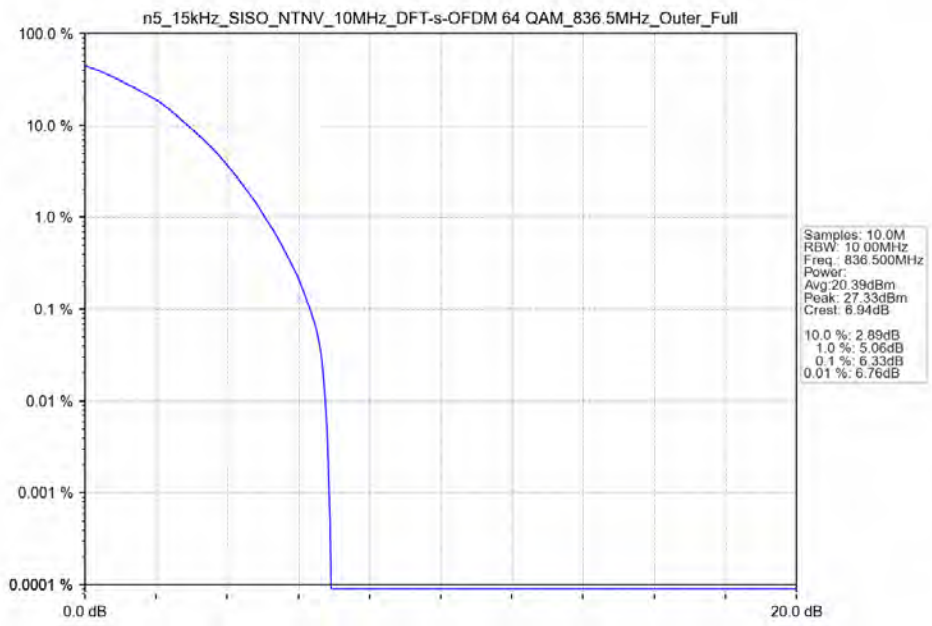

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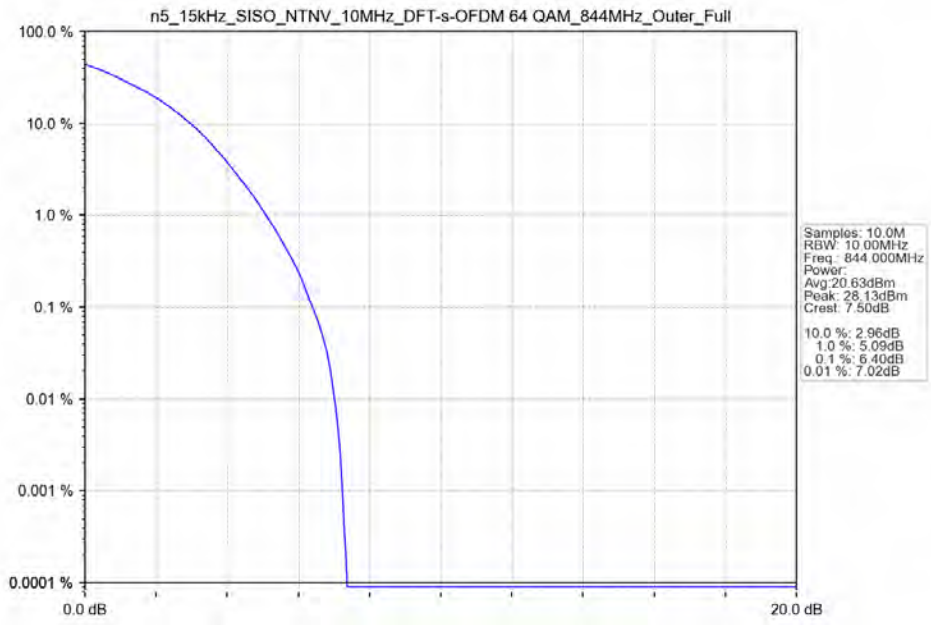

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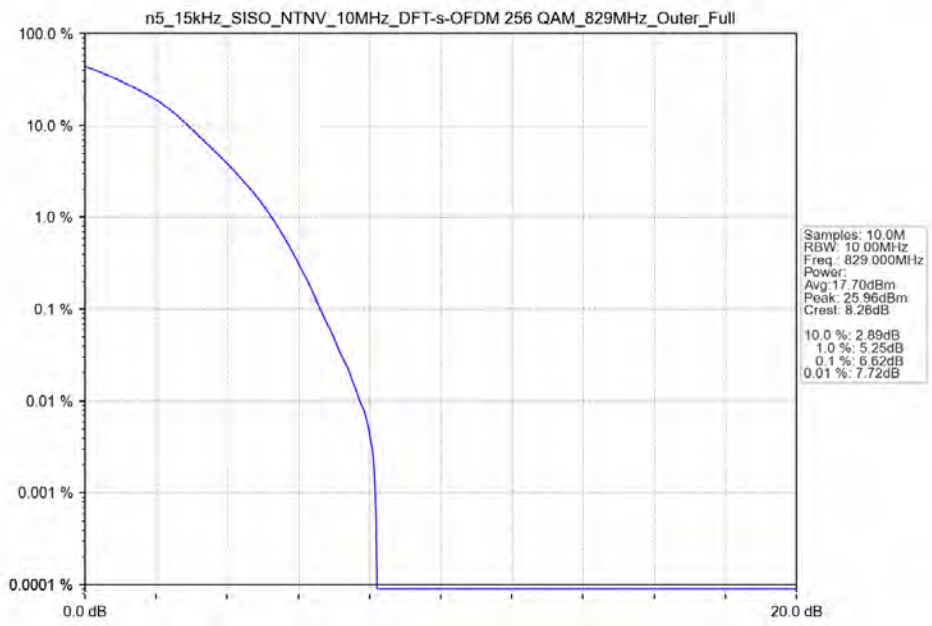

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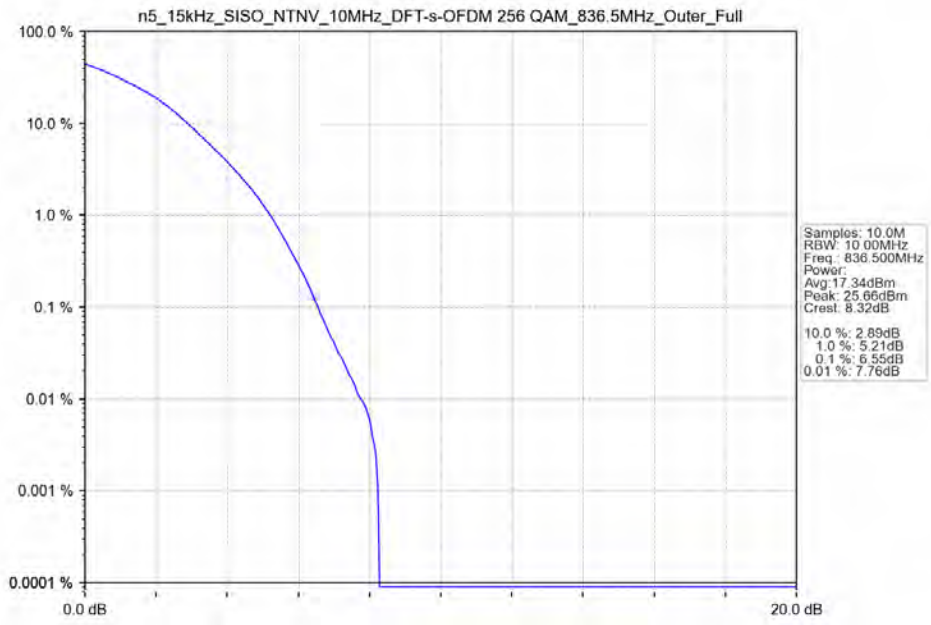

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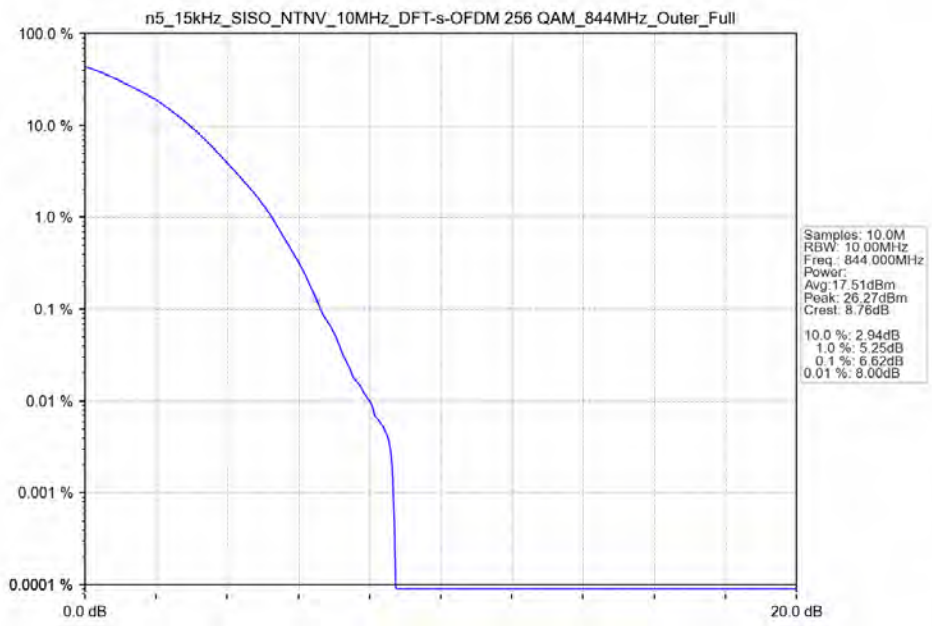

n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_829MHz_Outer_Full

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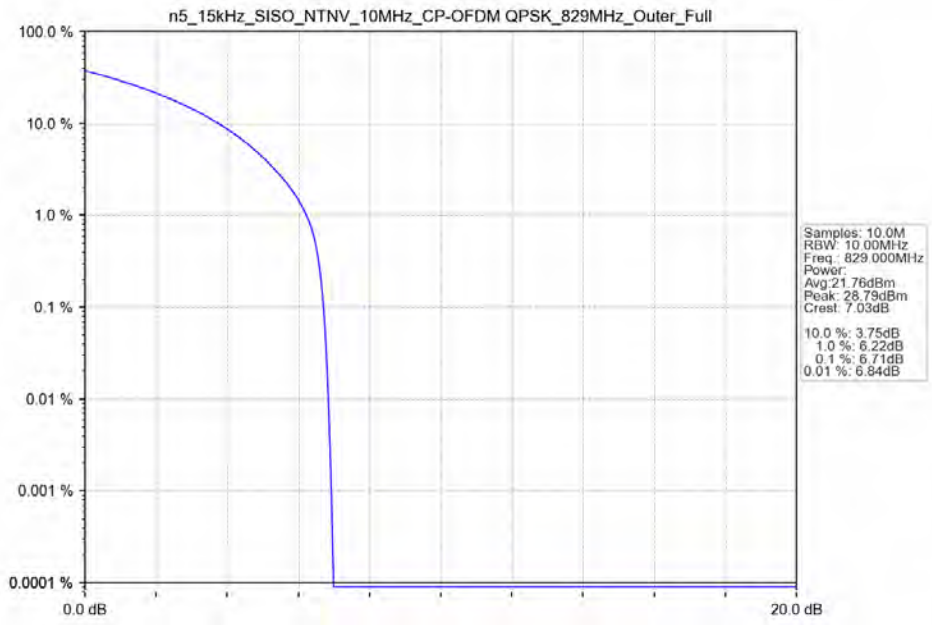

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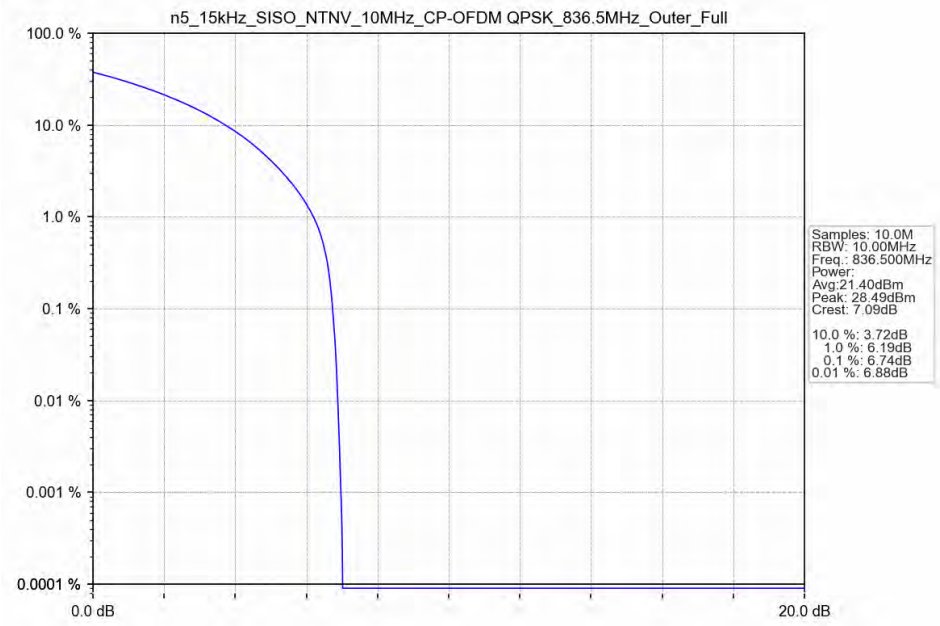
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_844MHz_Outer_Full

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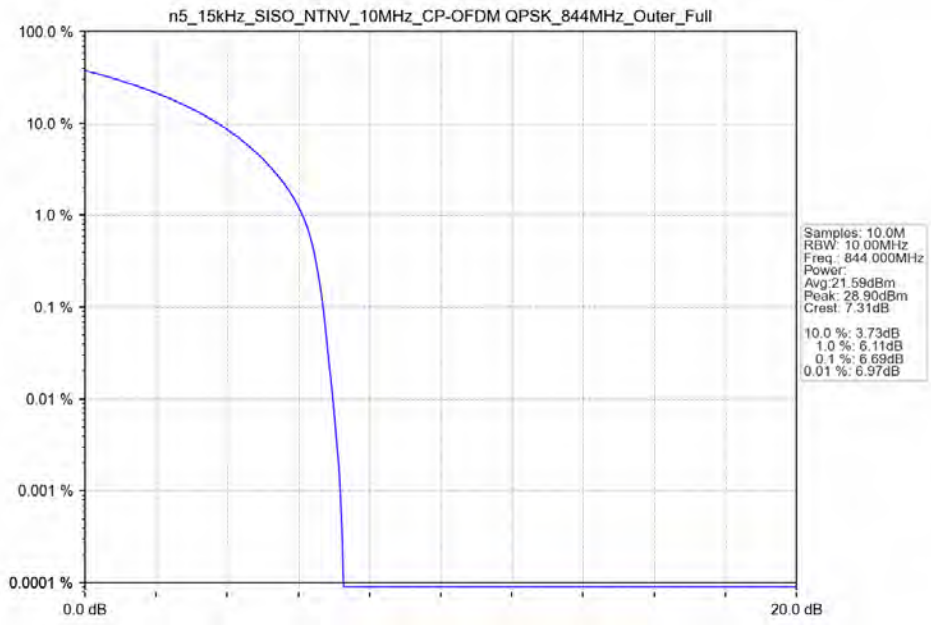

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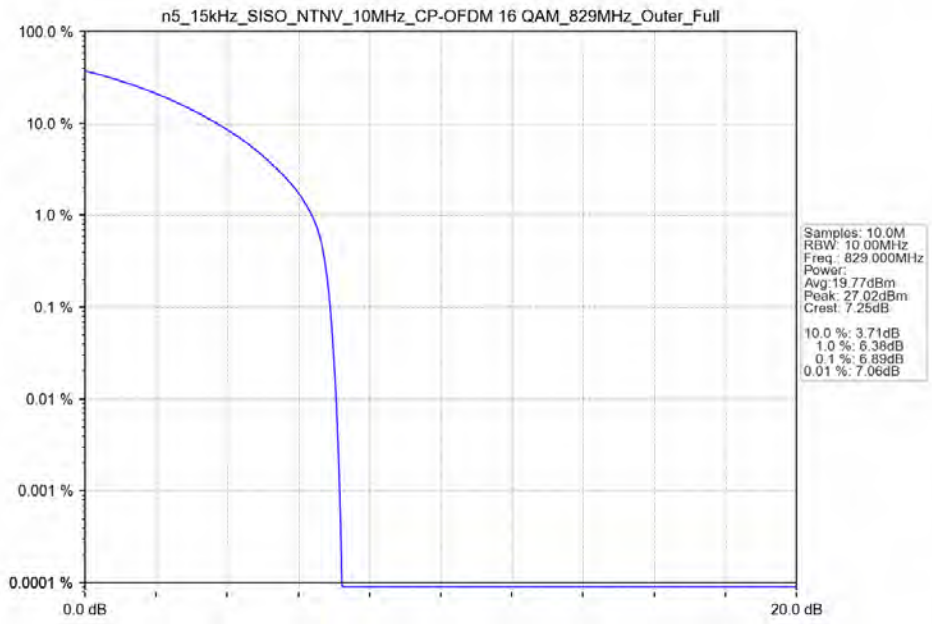

n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_836.5MHz_Outer_Full

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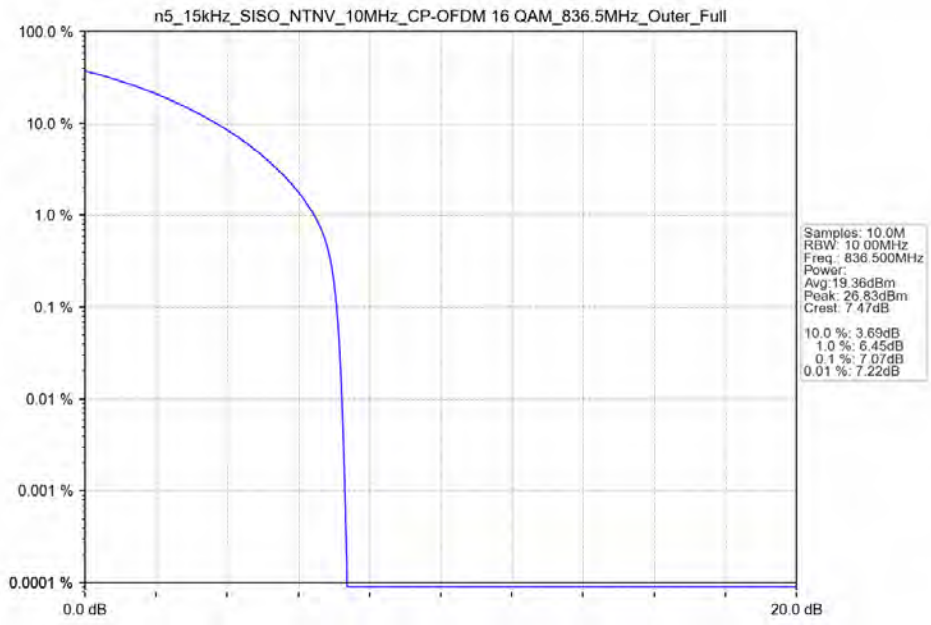

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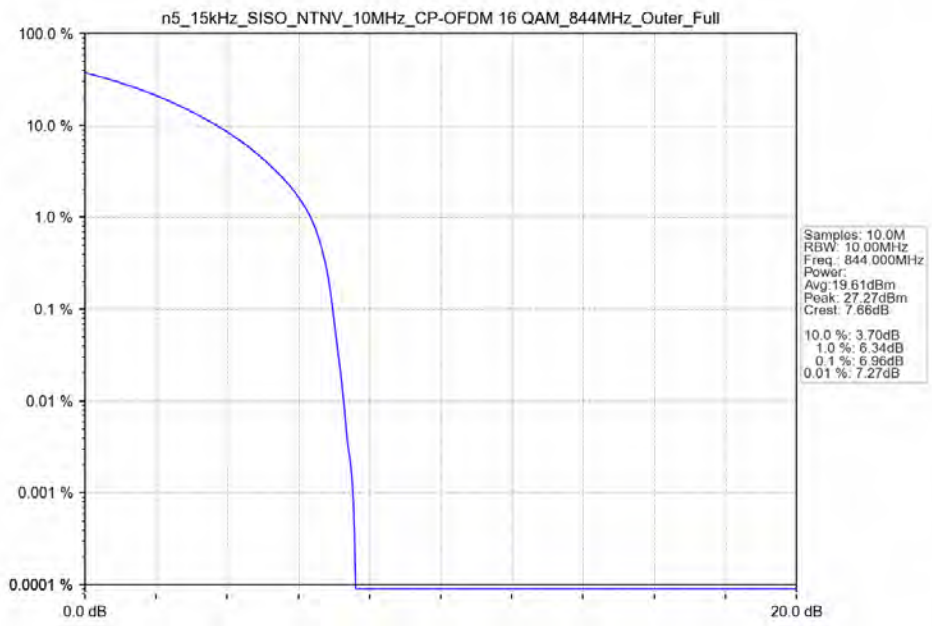
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_844MHz_Outer_Full



n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_829MHz_Outer_Full

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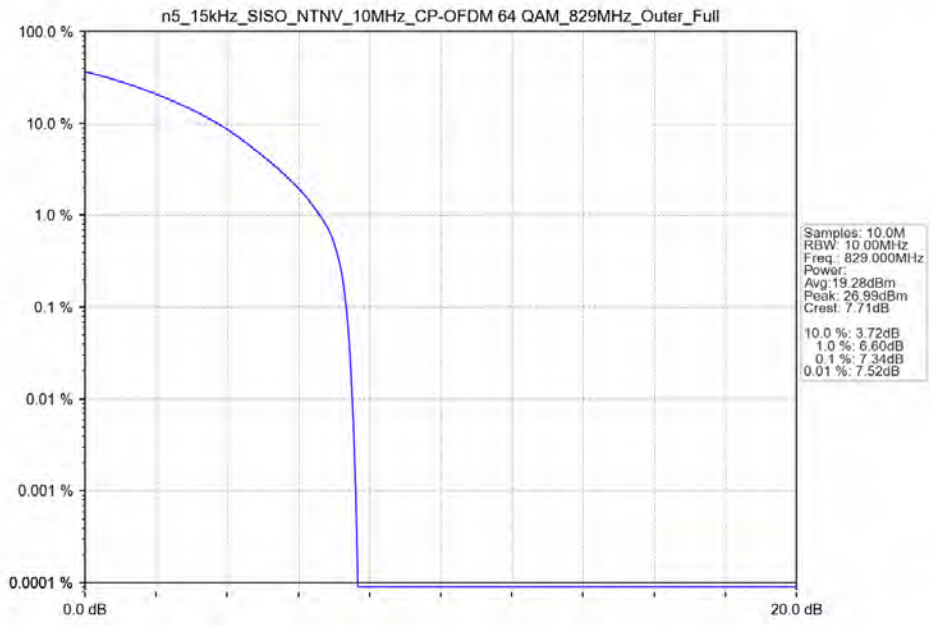

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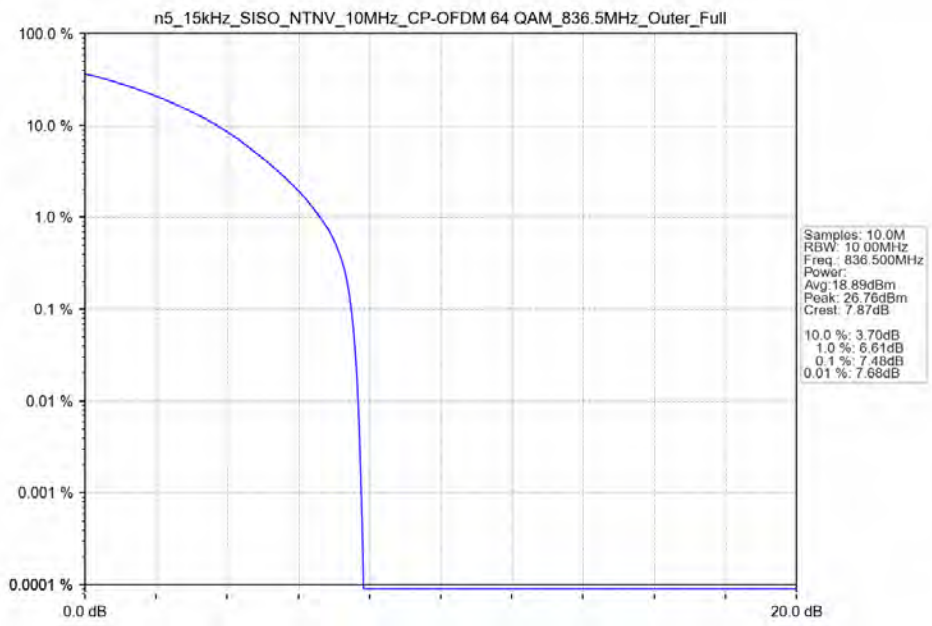
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_836.5MHz_Outer_Full



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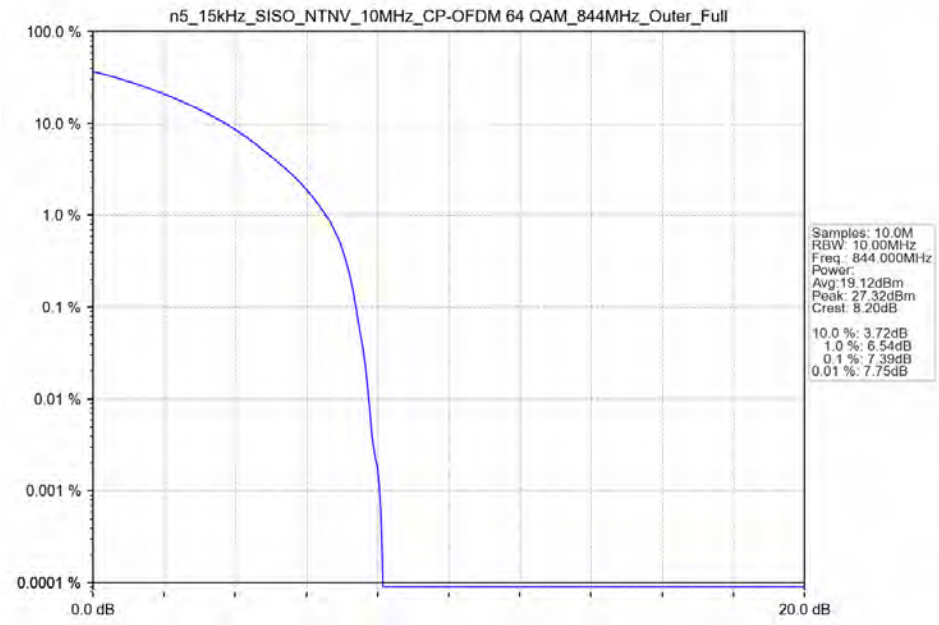

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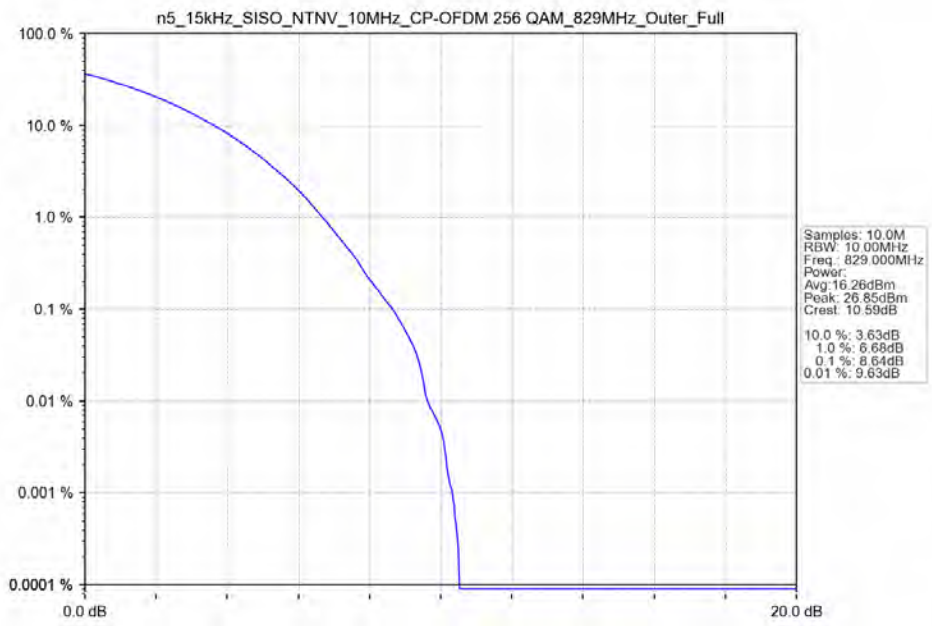

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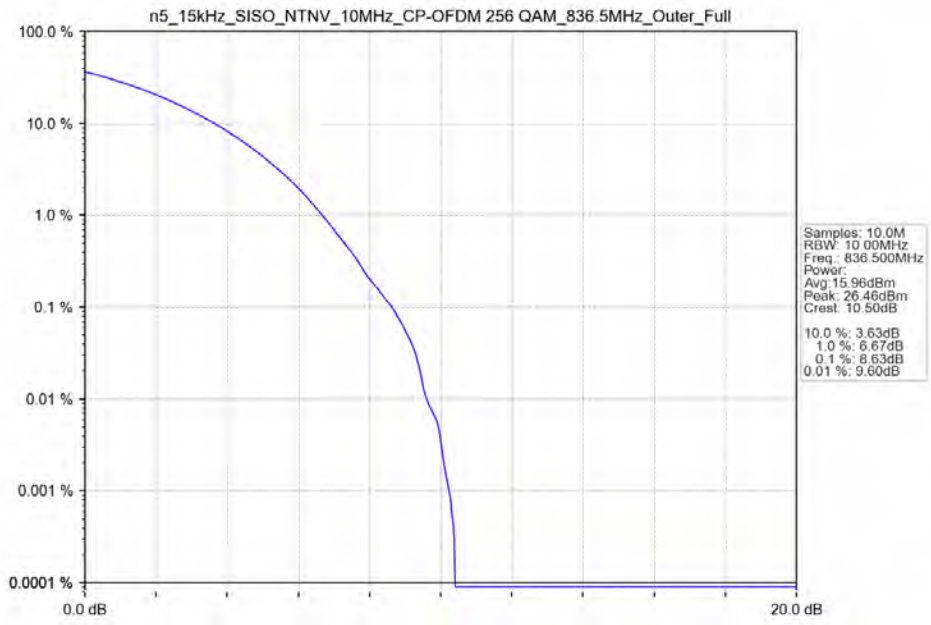

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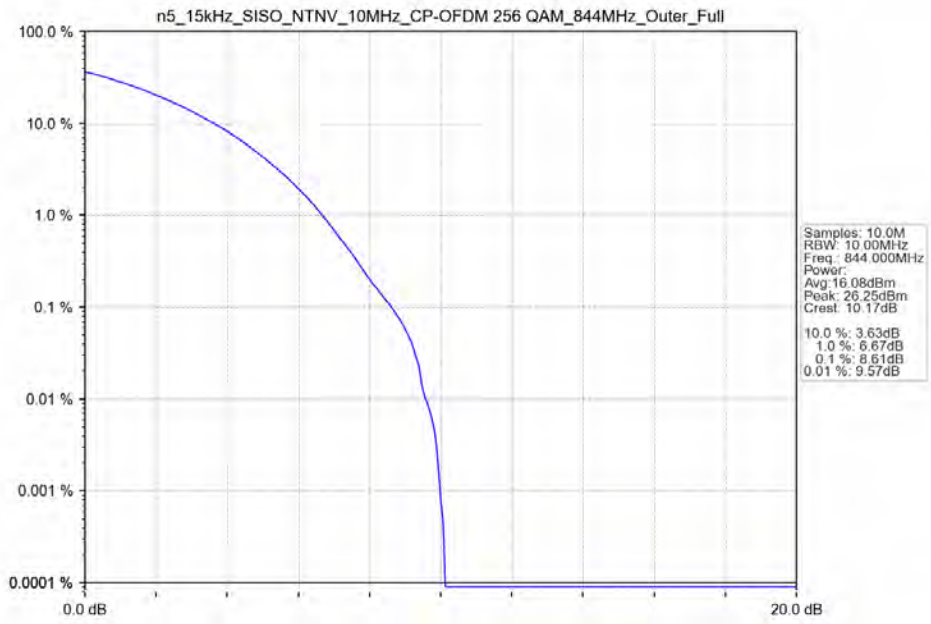

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4.3 15k_SISO_15MHz_NTNV

4.3.1 Test Result

5G NR n5 SCS=15kHz SISO 15MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	831.5	Outer_Full	3.87	/	/	<=13	Pass
	836.5	Outer_Full	3.85	/	/	<=13	Pass
	841.5	Outer_Full	4.09	/	/	<=13	Pass
DFT-s-OFDM QPSK	831.5	Outer_Full	4.89	/	/	<=13	Pass
	836.5	Outer_Full	4.78	/	/	<=13	Pass
	841.5	Outer_Full	4.77	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	831.5	Outer_Full	5.81	/	/	<=13	Pass
	836.5	Outer_Full	5.73	/	/	<=13	Pass
	841.5	Outer_Full	5.60	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	831.5	Outer_Full	6.28	/	/	<=13	Pass
	836.5	Outer_Full	6.19	/	/	<=13	Pass
	841.5	Outer_Full	6.10	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	831.5	Outer_Full	6.65	/	/	<=13	Pass
	836.5	Outer_Full	6.60	/	/	<=13	Pass
	841.5	Outer_Full	6.63	/	/	<=13	Pass
CP-OFDM QPSK	831.5	Outer_Full	6.54	/	/	<=13	Pass
	836.5	Outer_Full	6.48	/	/	<=13	Pass
	841.5	Outer_Full	6.55	/	/	<=13	Pass
CP-OFDM 16 QAM	831.5	Outer_Full	6.82	/	/	<=13	Pass
	836.5	Outer_Full	6.77	/	/	<=13	Pass
	841.5	Outer_Full	7.23	/	/	<=13	Pass
CP-OFDM 64 QAM	831.5	Outer_Full	7.44	/	/	<=13	Pass
	836.5	Outer_Full	7.38	/	/	<=13	Pass
	841.5	Outer_Full	7.74	/	/	<=13	Pass
CP-OFDM 256 QAM	831.5	Outer_Full	8.41	/	/	<=13	Pass
	836.5	Outer_Full	8.39	/	/	<=13	Pass
	841.5	Outer_Full	8.39	/	/	<=13	Pass

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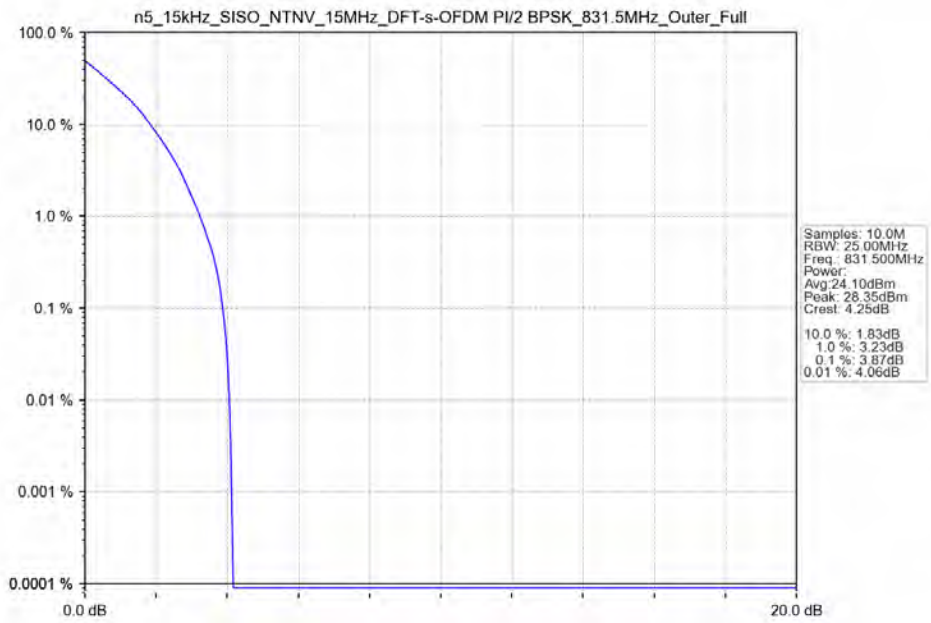
4.3.2 Test Graph

n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_831.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Outer_Full

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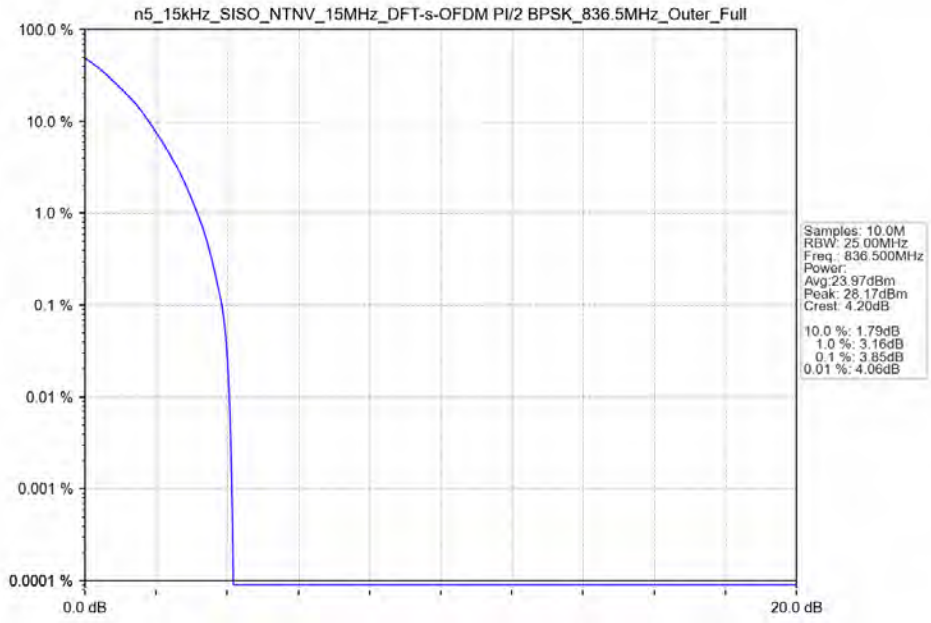

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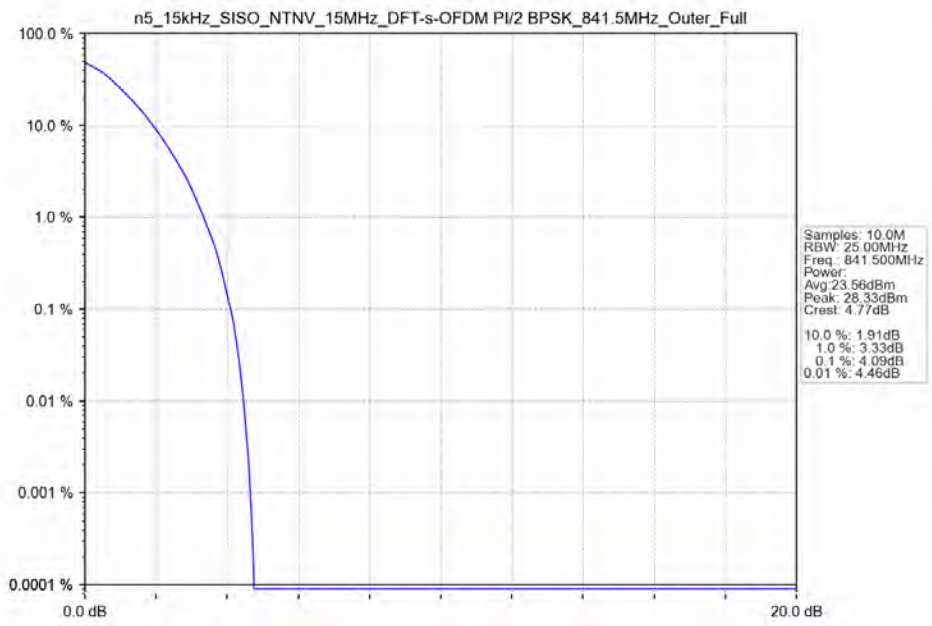
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_841.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_831.5MHz_Outer_Full

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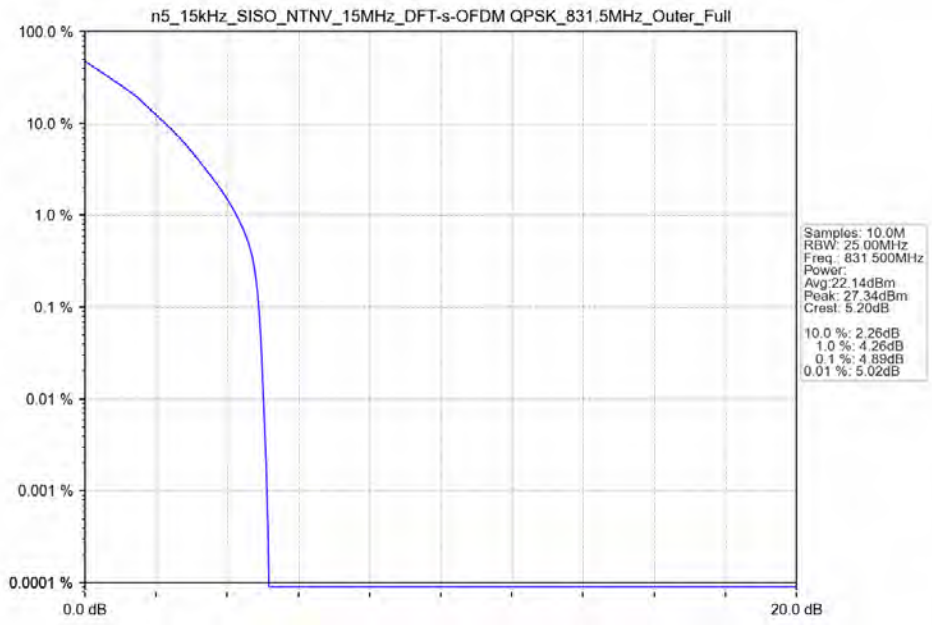

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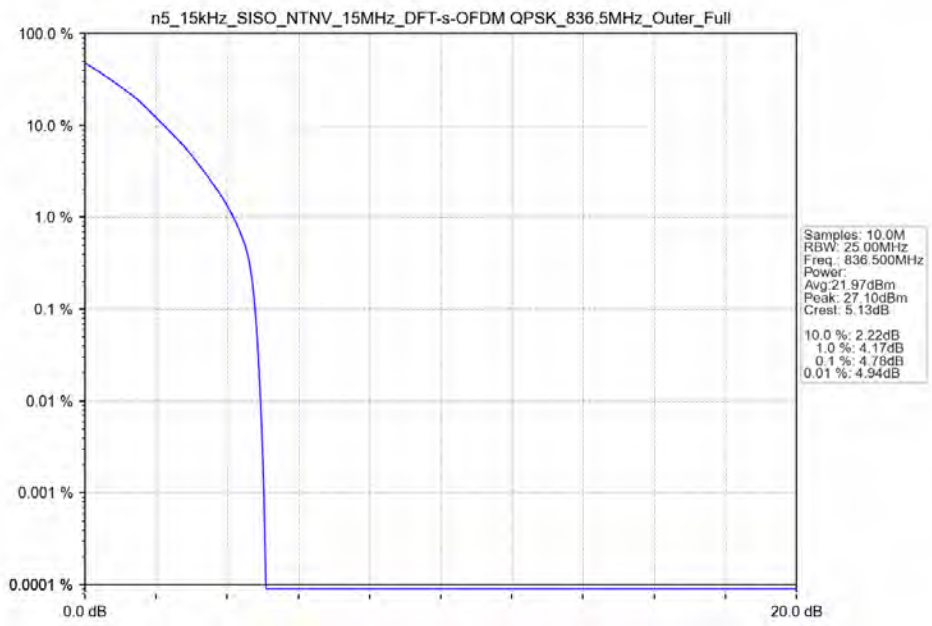
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_841.5MHz_Outer_Full

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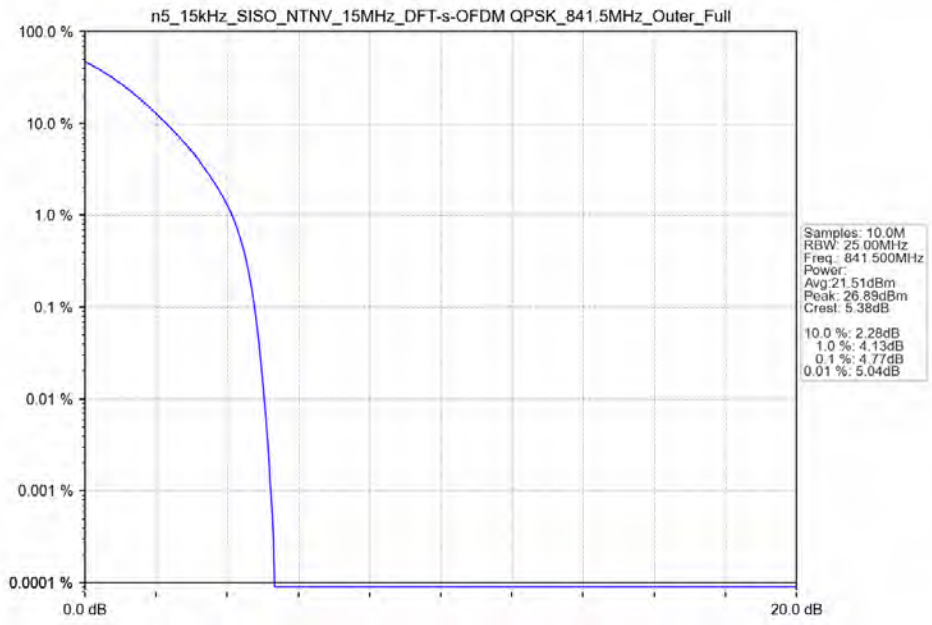

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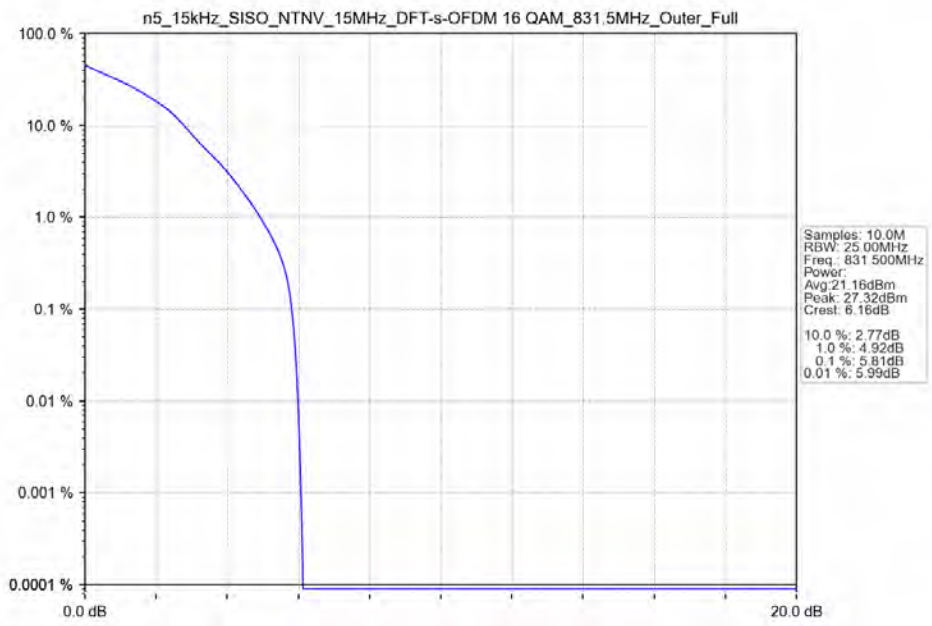
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_831.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_836.5MHz_Outer_Full

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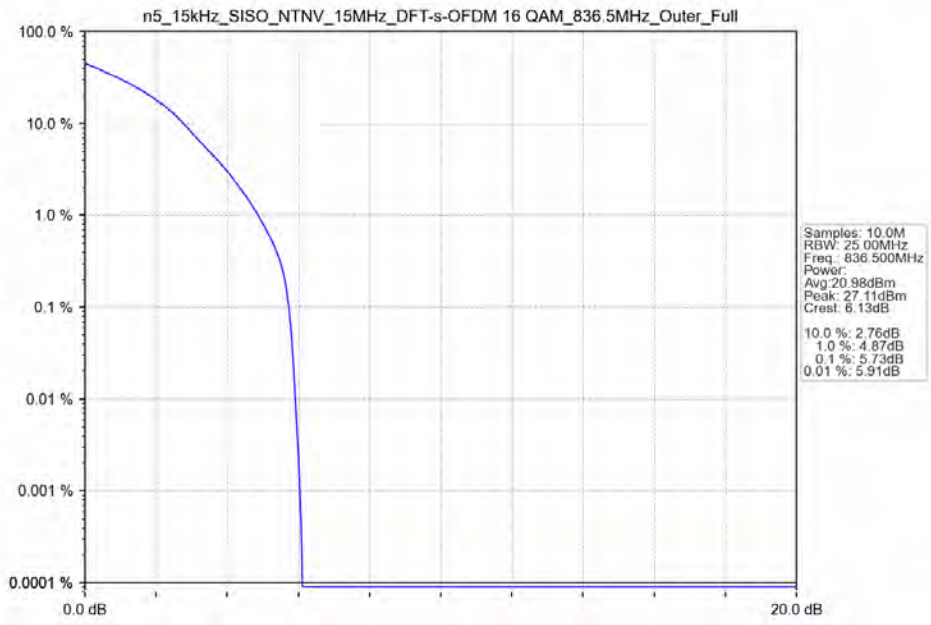

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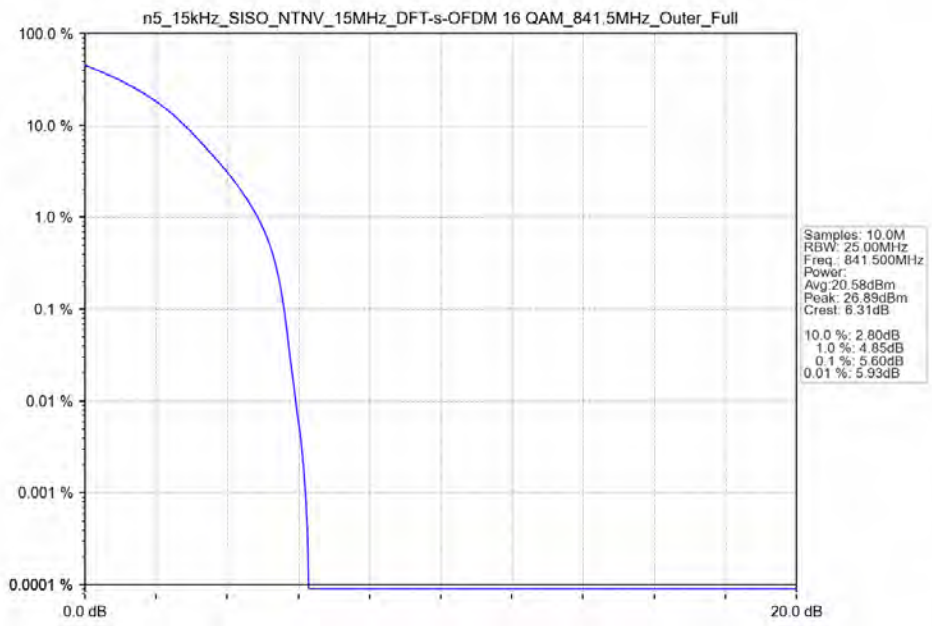
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_841.5MHz_Outer_Full



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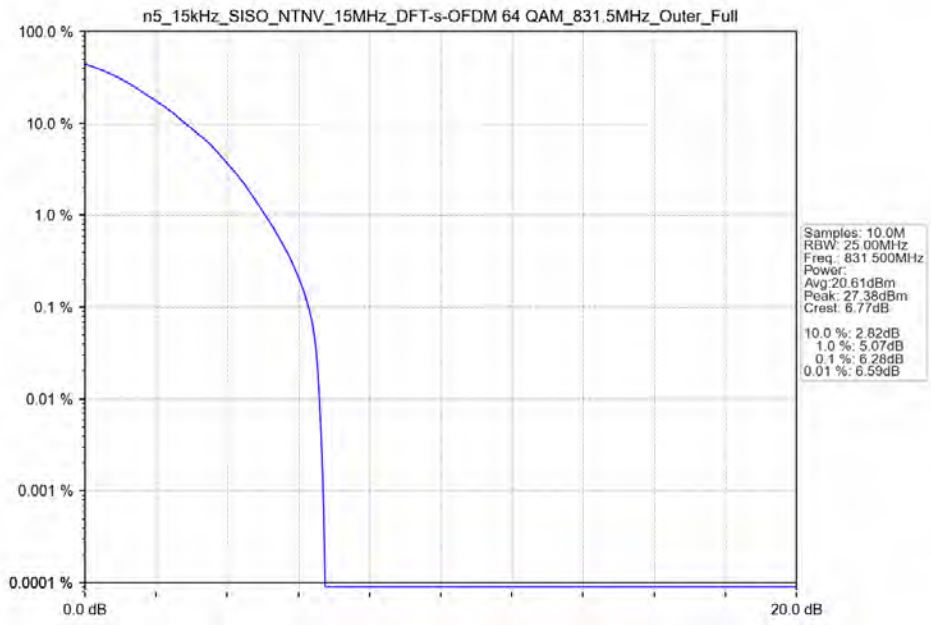

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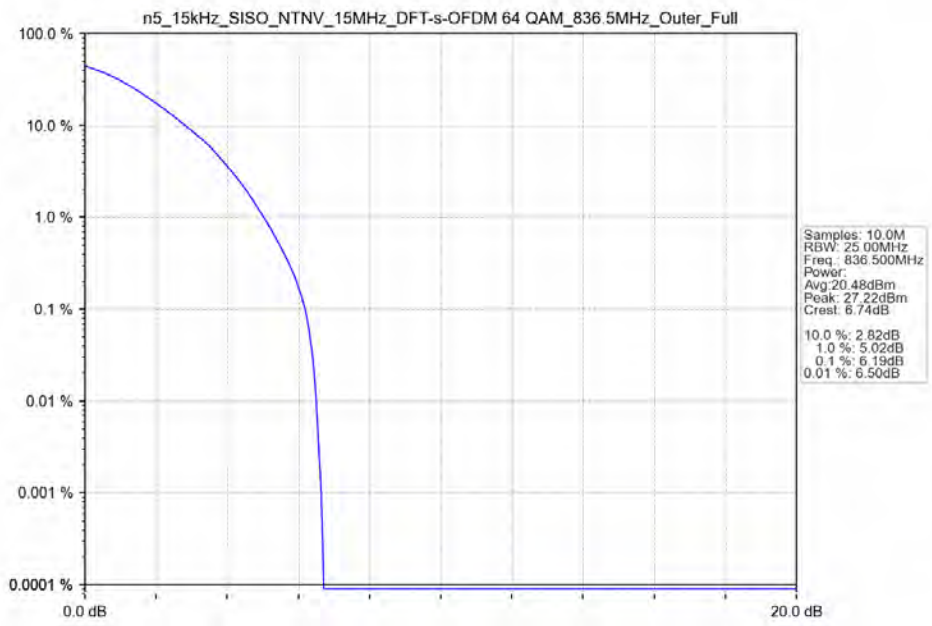

n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_841.5MHz_Outer_Full

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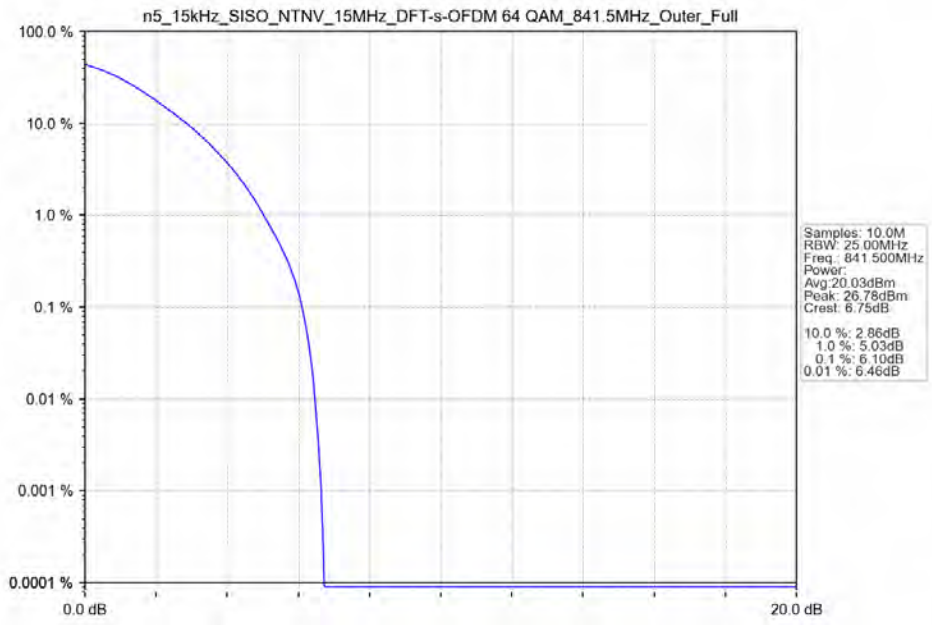

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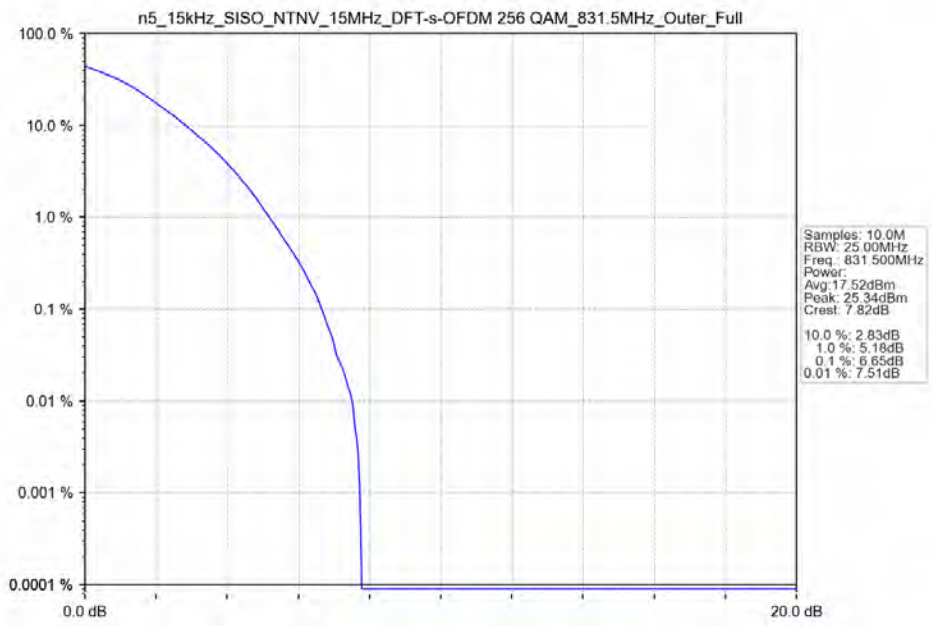
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_831.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_836.5MHz_Outer_Full

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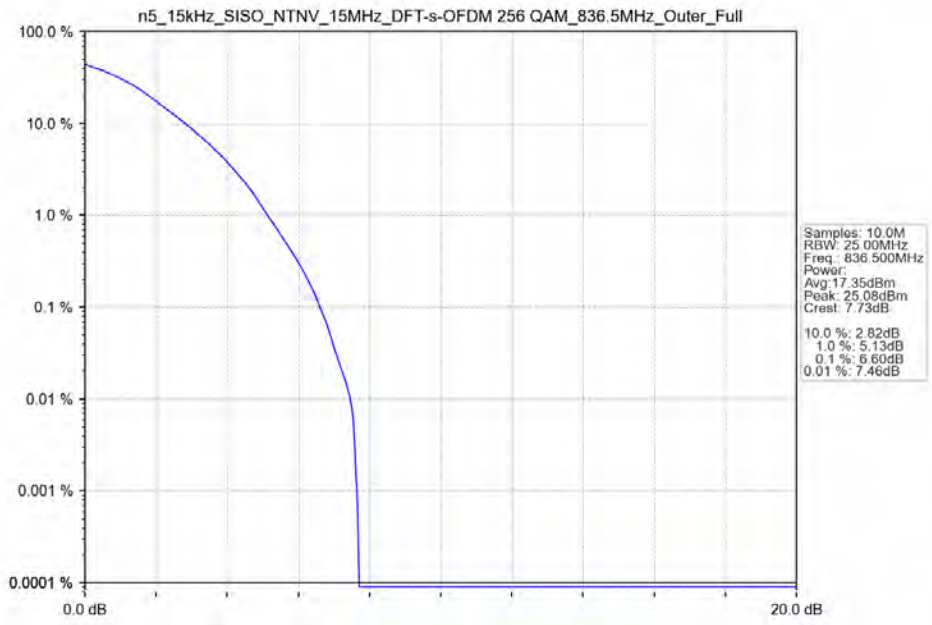

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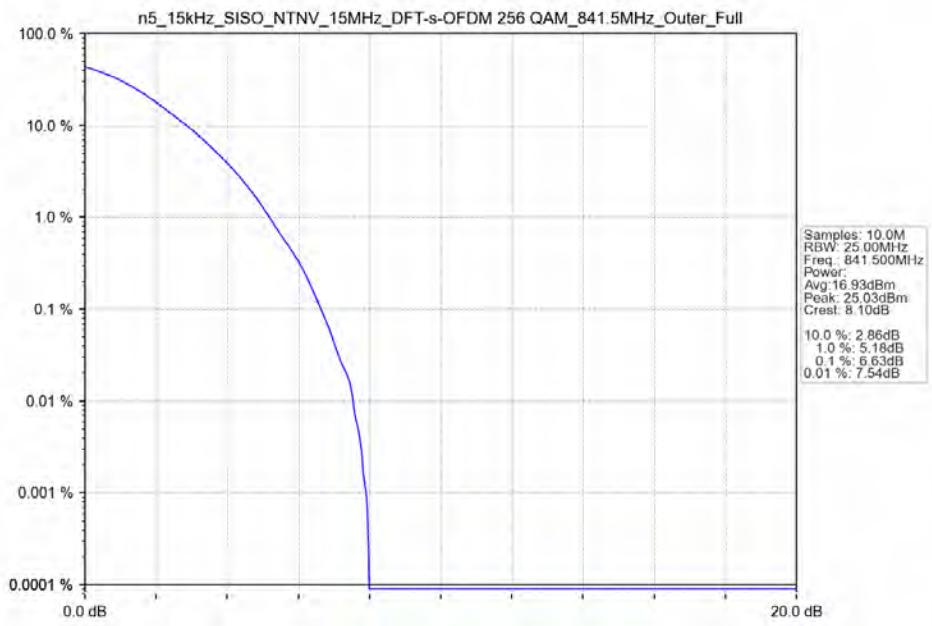
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_841.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_831.5MHz_Outer_Full

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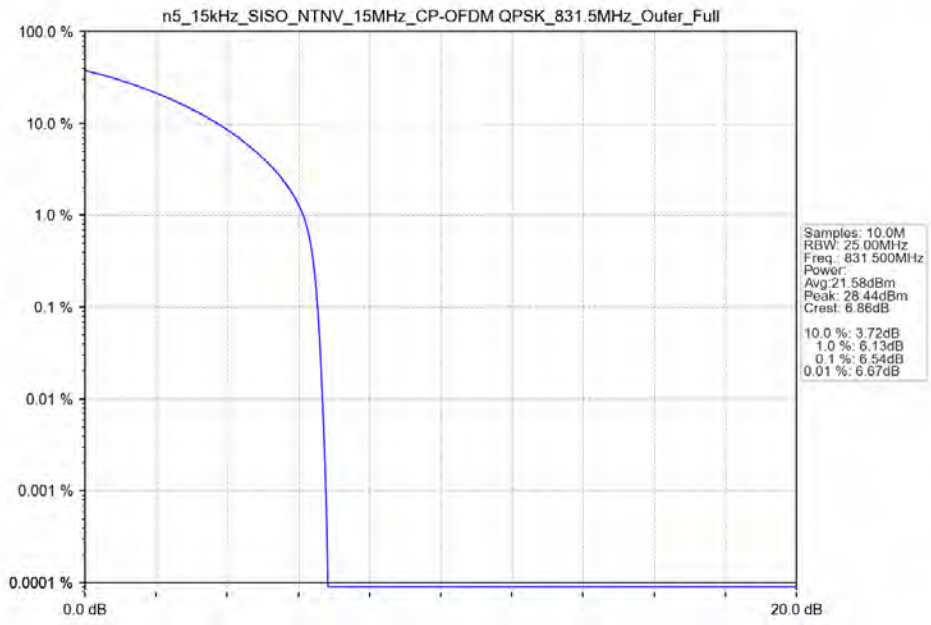

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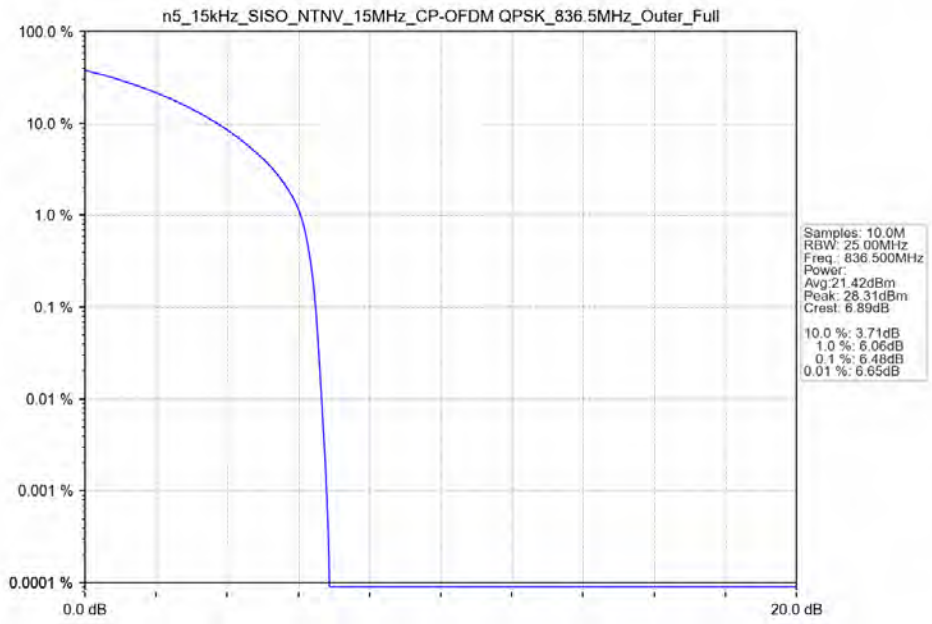
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_841.5MHz_Outer_Full

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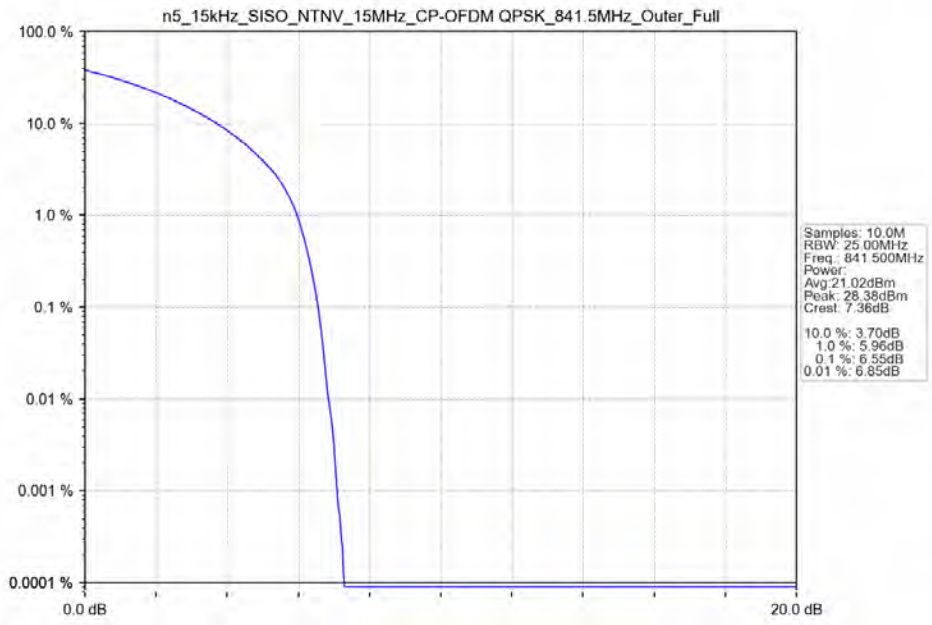

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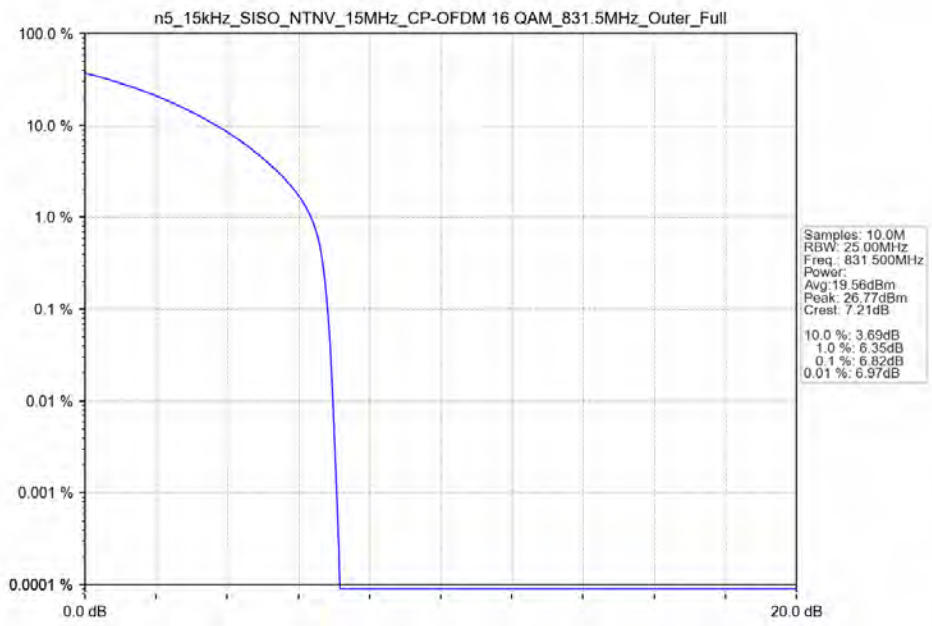
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_831.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_836.5MHz_Outer_Full

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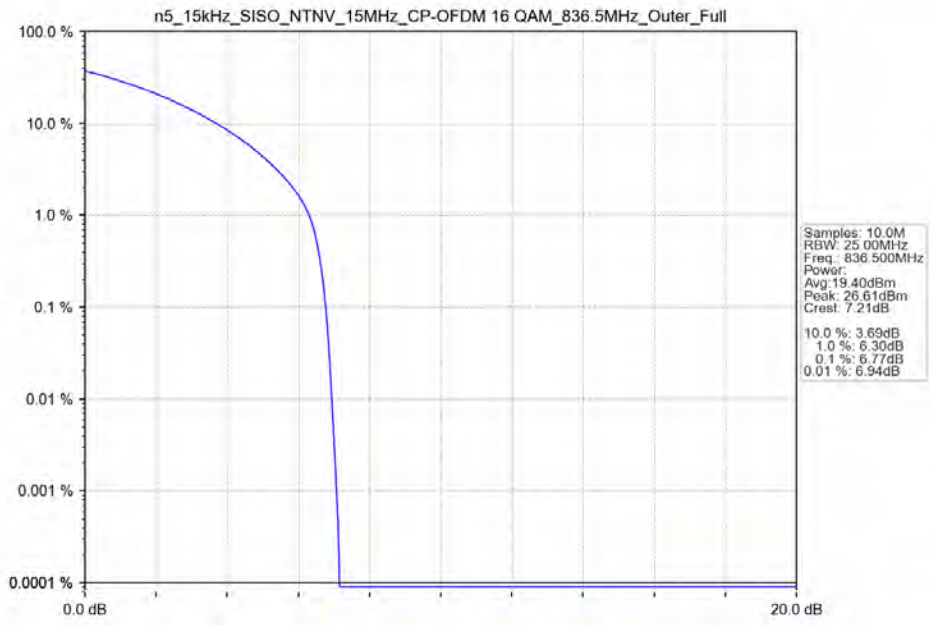

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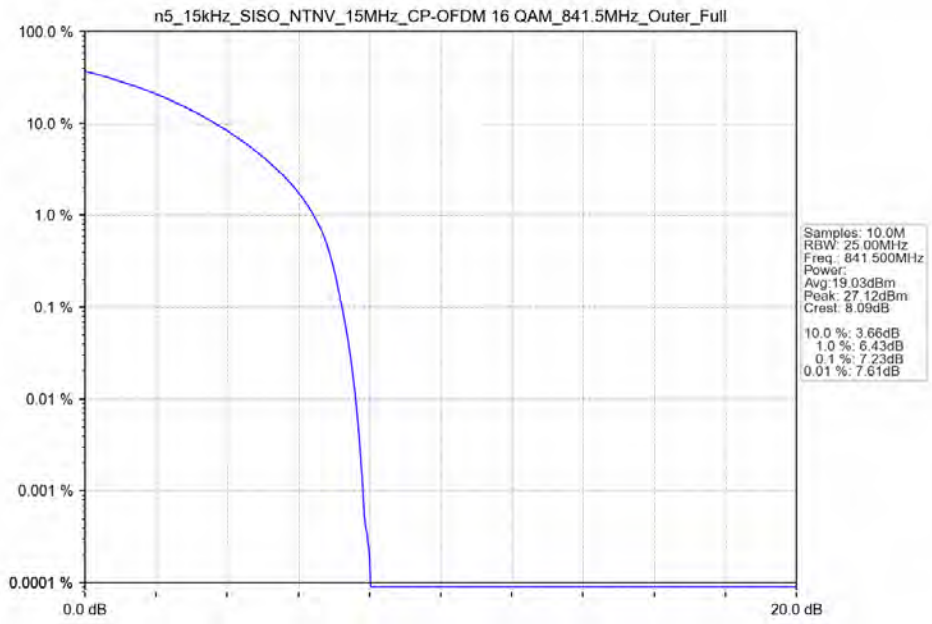

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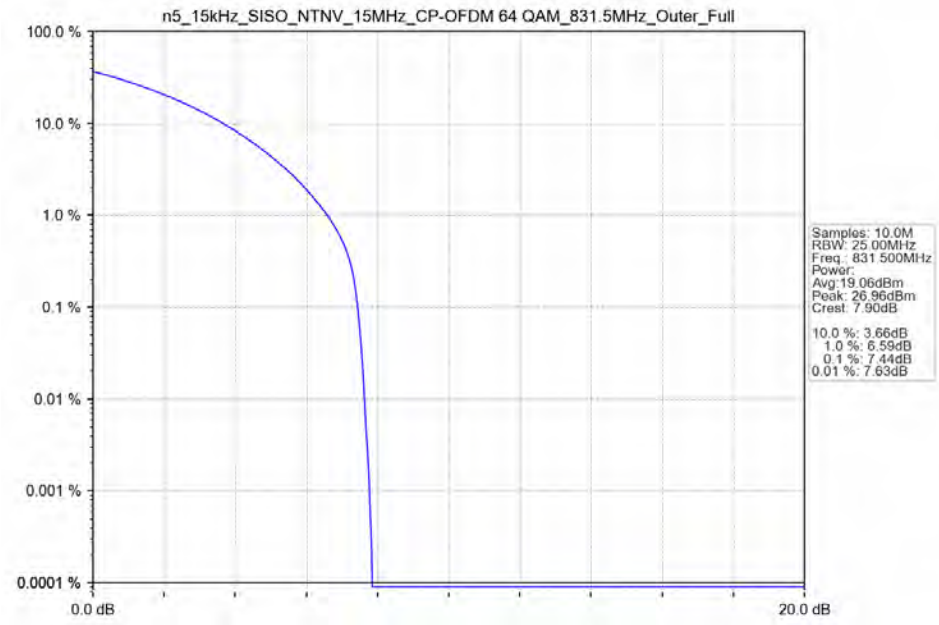

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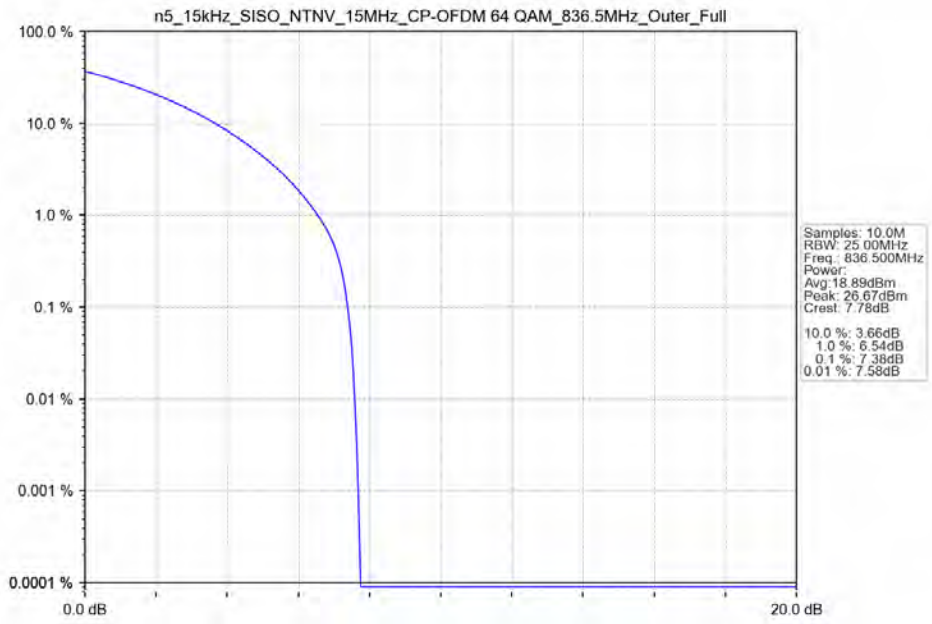

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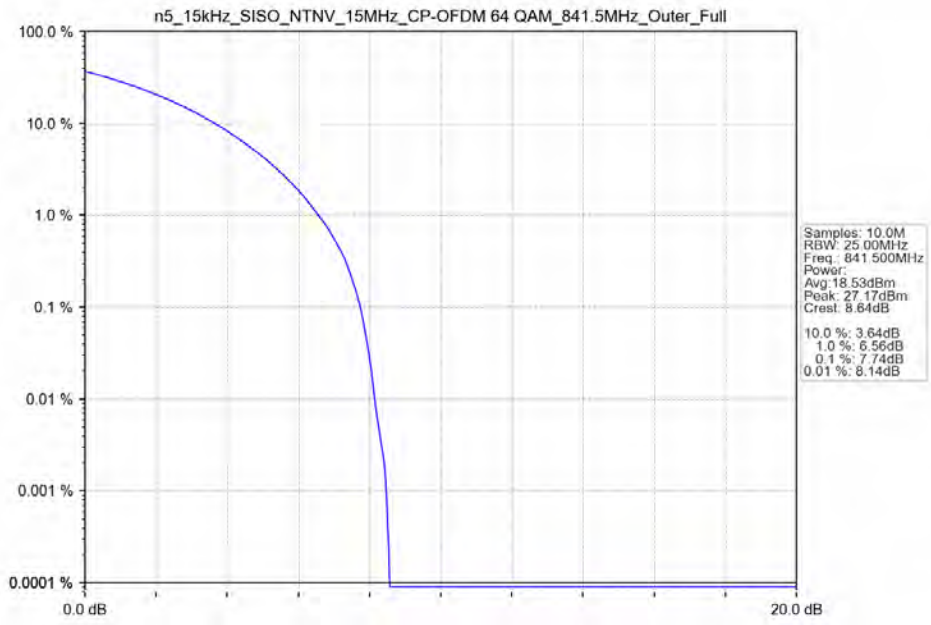

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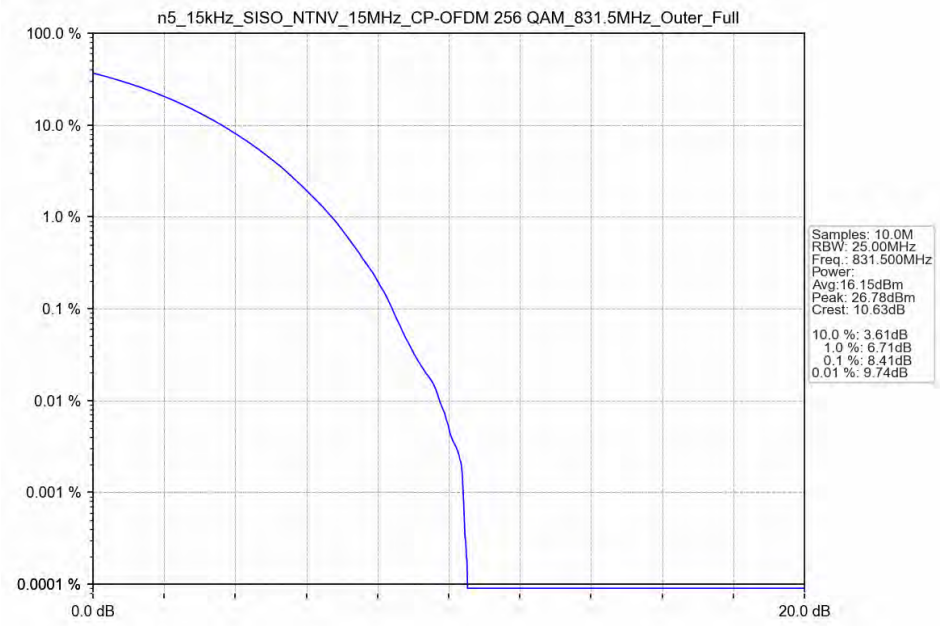

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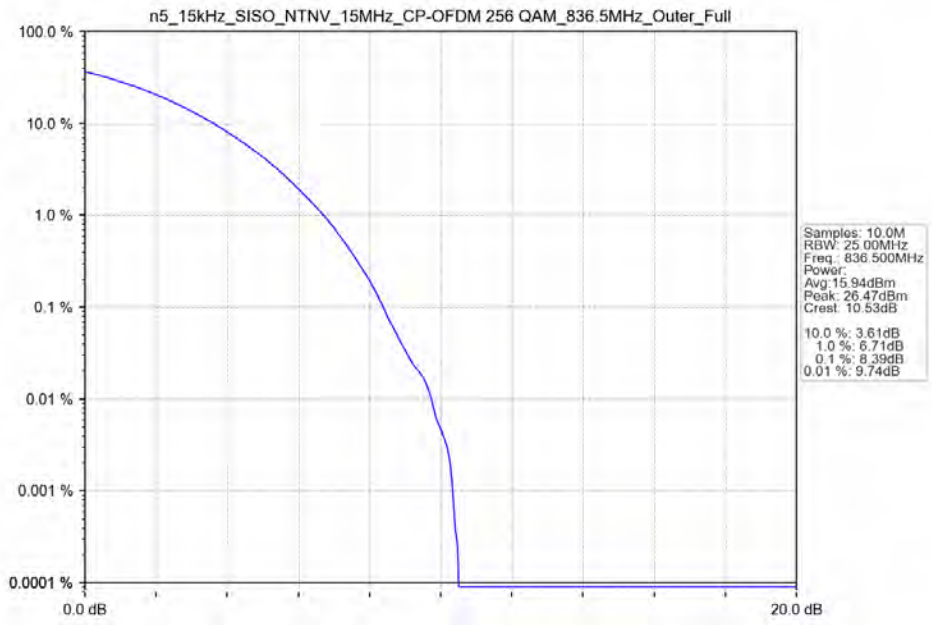

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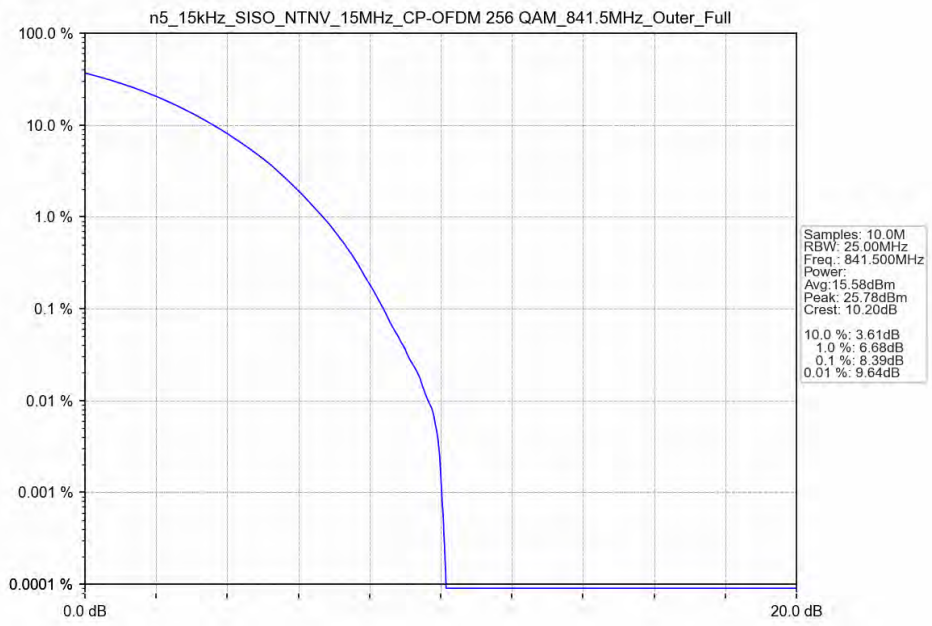
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_841.5MHz_Outer_Full



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4.4 15k_SISO_20MHz_NTNV

4.4.1 Test Result

5G NR n5 SCS=15kHz SISO 20MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	834	Outer_Full	3.95	/	/	<=13	Pass
	836.5	Outer_Full	3.97	/	/	<=13	Pass
	839	Outer_Full	3.91	/	/	<=13	Pass
DFT-s-OFDM QPSK	834	Outer_Full	4.60	/	/	<=13	Pass
	836.5	Outer_Full	4.59	/	/	<=13	Pass
	839	Outer_Full	5.36	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	5.66	/	/	<=13	Pass
	836.5	Outer_Full	5.60	/	/	<=13	Pass
	839	Outer_Full	6.20	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	6.01	/	/	<=13	Pass
	836.5	Outer_Full	6.00	/	/	<=13	Pass
	839	Outer_Full	6.00	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	6.68	/	/	<=13	Pass
	836.5	Outer_Full	6.66	/	/	<=13	Pass
	839	Outer_Full	6.66	/	/	<=13	Pass
CP-OFDM QPSK	834	Outer_Full	6.74	/	/	<=13	Pass
	836.5	Outer_Full	6.77	/	/	<=13	Pass
	839	Outer_Full	6.89	/	/	<=13	Pass
CP-OFDM 16 QAM	834	Outer_Full	7.18	/	/	<=13	Pass
	836.5	Outer_Full	7.16	/	/	<=13	Pass
	839	Outer_Full	7.16	/	/	<=13	Pass
CP-OFDM 64 QAM	834	Outer_Full	7.55	/	/	<=13	Pass
	836.5	Outer_Full	7.57	/	/	<=13	Pass
	839	Outer_Full	7.51	/	/	<=13	Pass
CP-OFDM 256 QAM	834	Outer_Full	8.42	/	/	<=13	Pass
	836.5	Outer_Full	8.41	/	/	<=13	Pass
	839	Outer_Full	8.36	/	/	<=13	Pass

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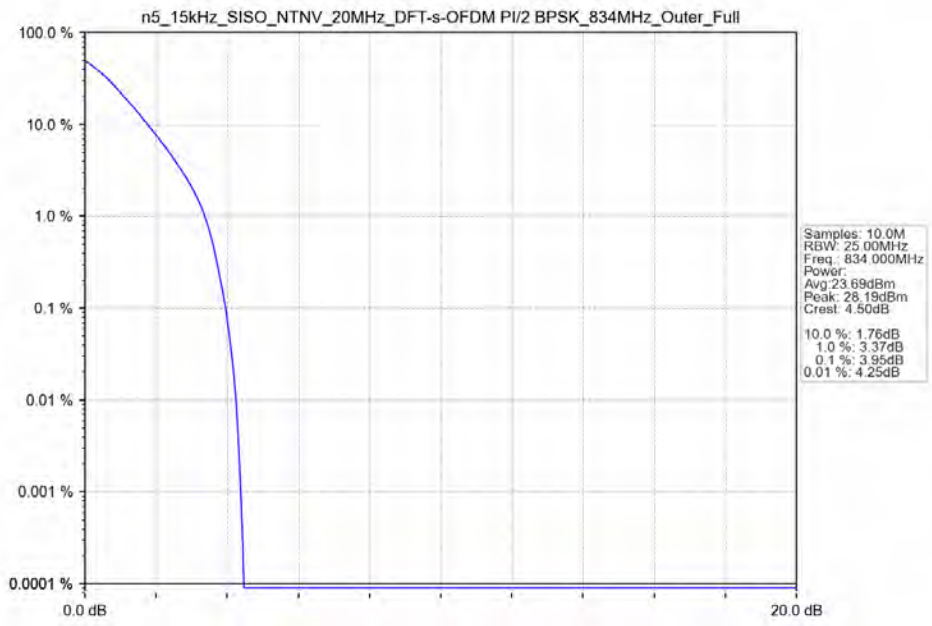
4.4.2 Test Graph

n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_834MHz_Outer_Full



n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Outer_Full

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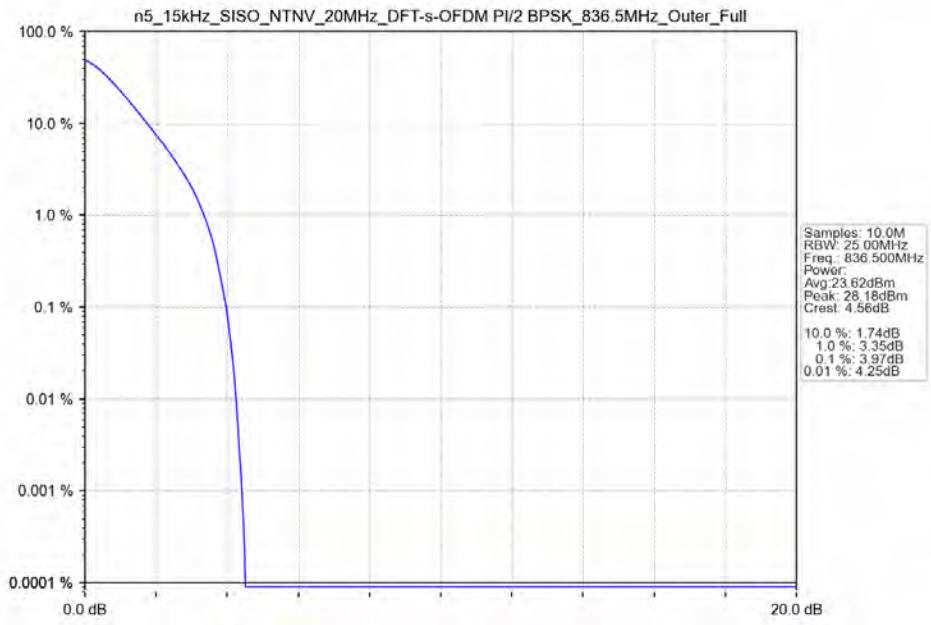

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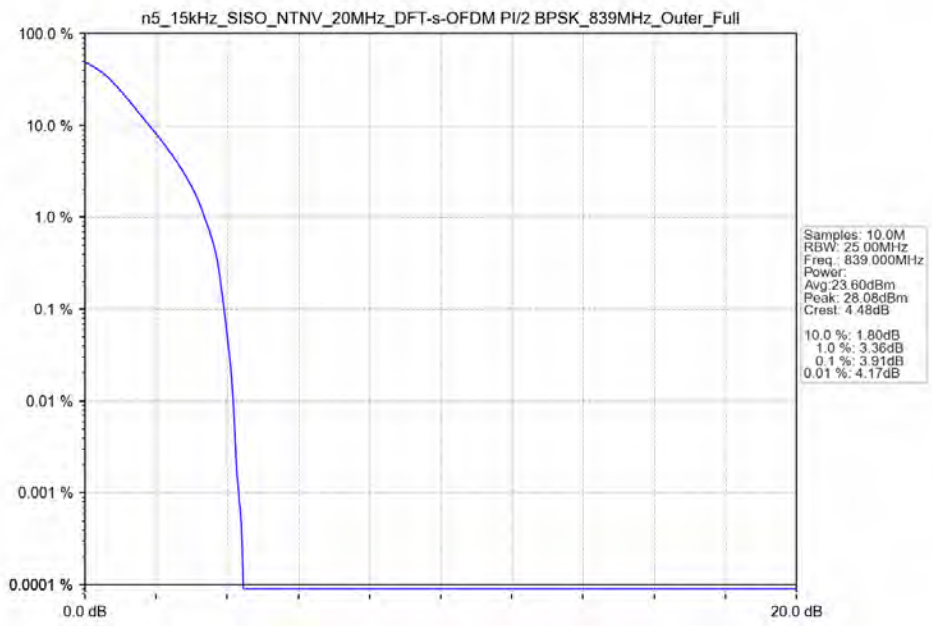
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_839MHz_Outer_Full



n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_834MHz_Outer_Full

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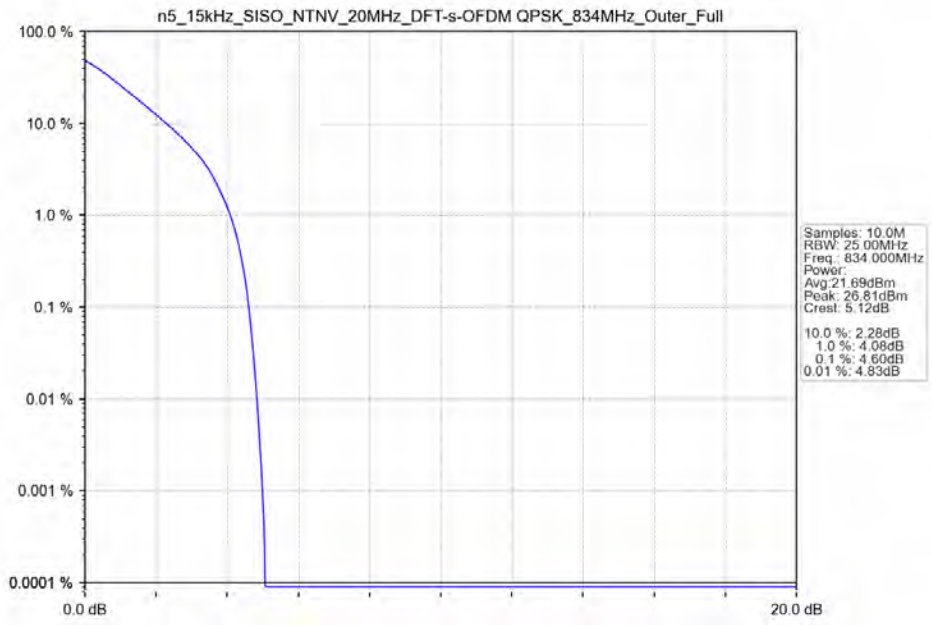

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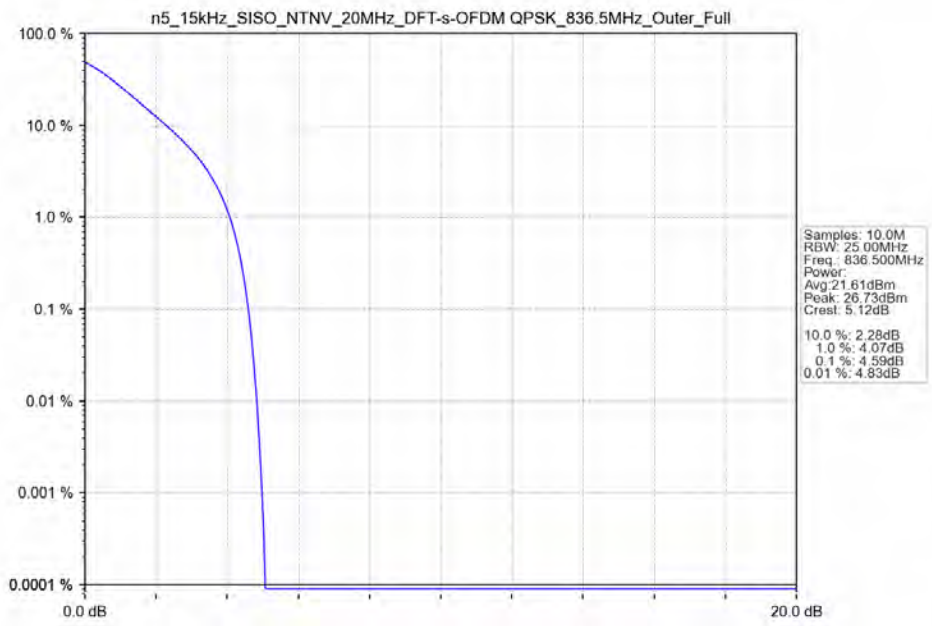

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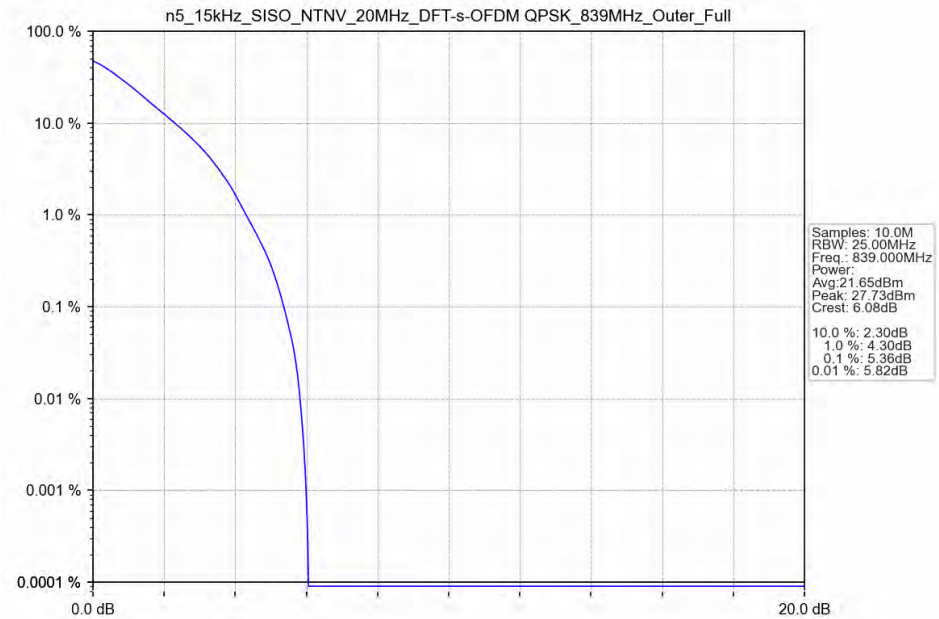

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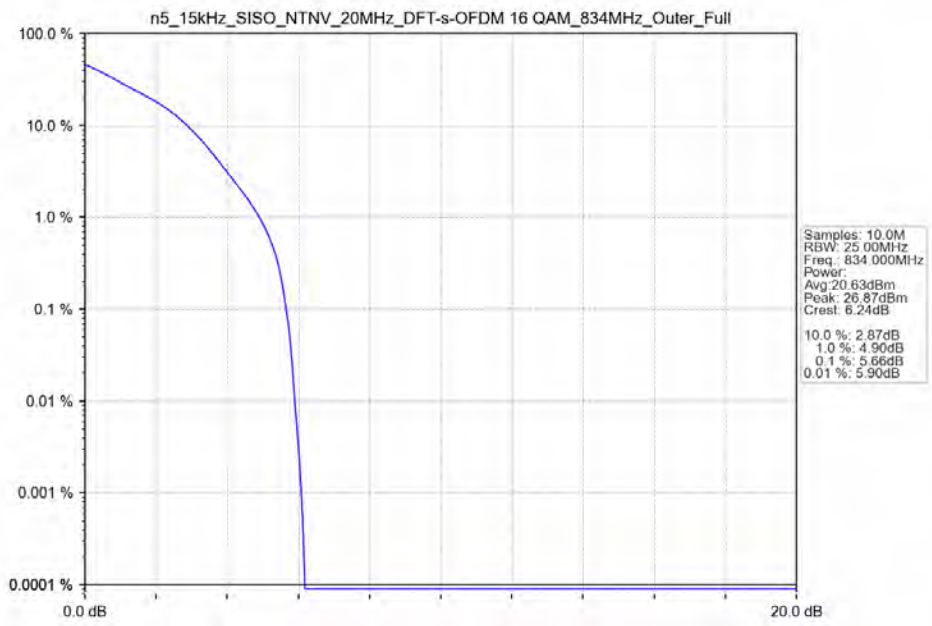

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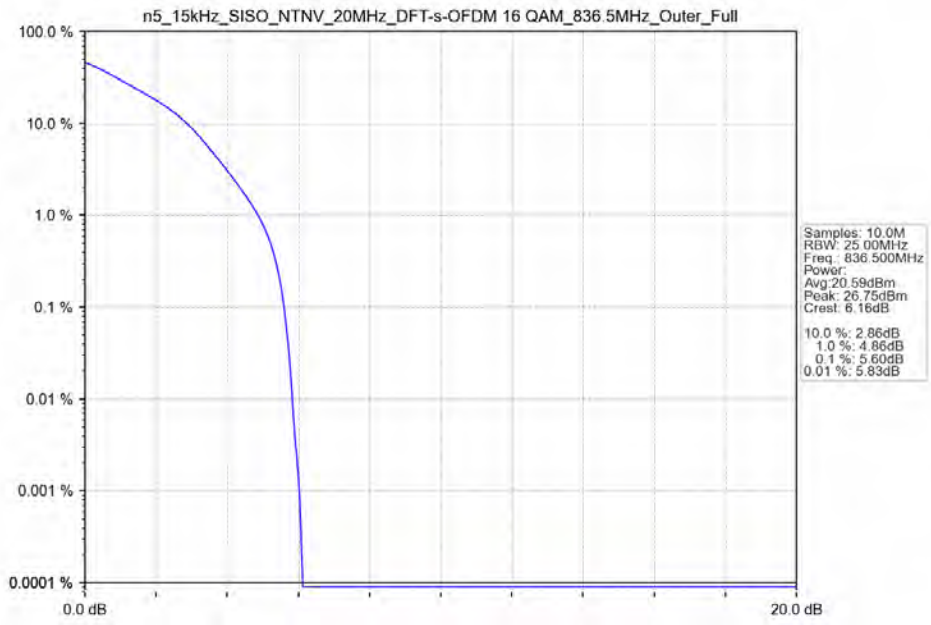

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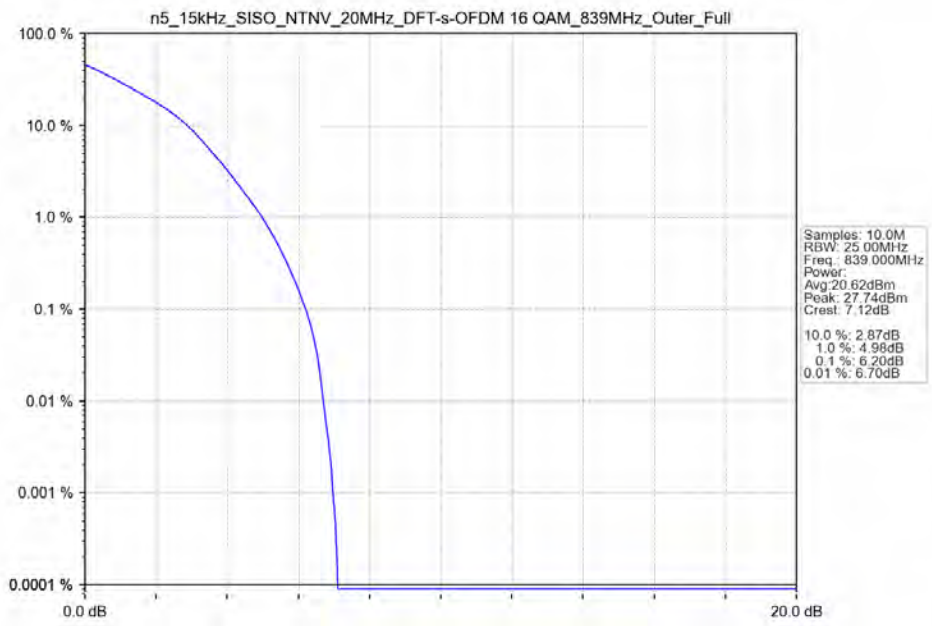

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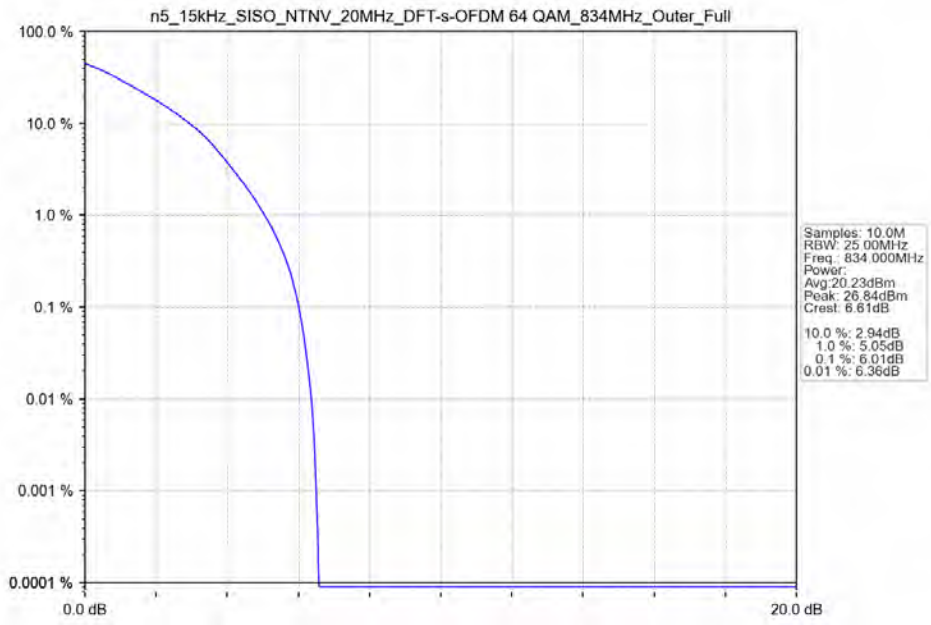

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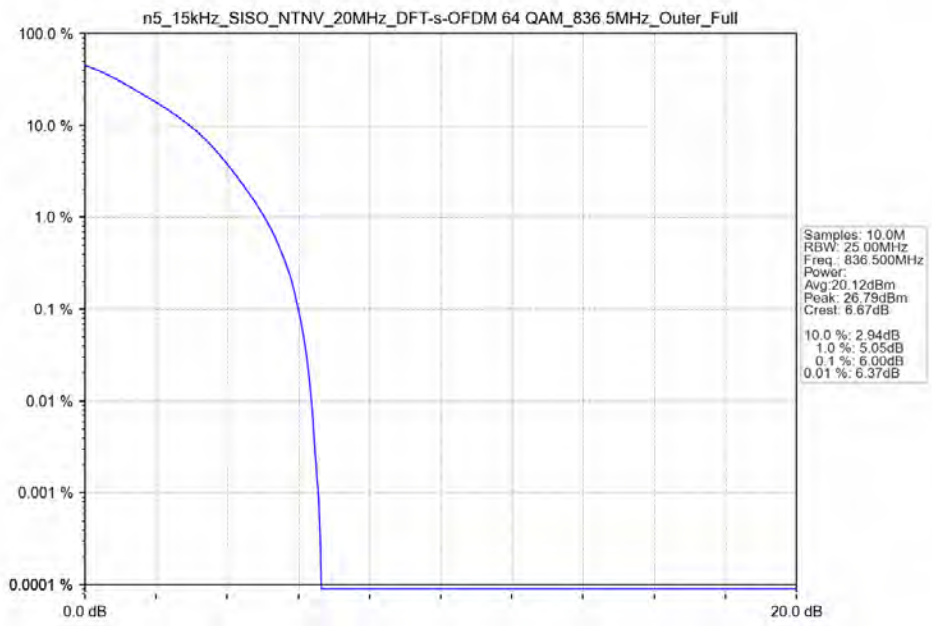
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_836.5MHz_Outer_Full



n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_839MHz_Outer_Full

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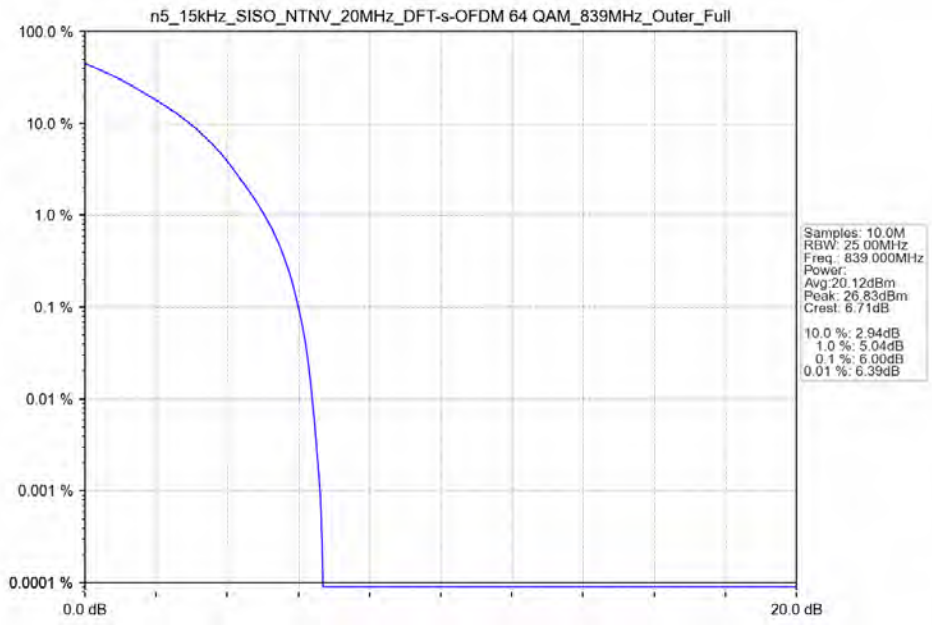

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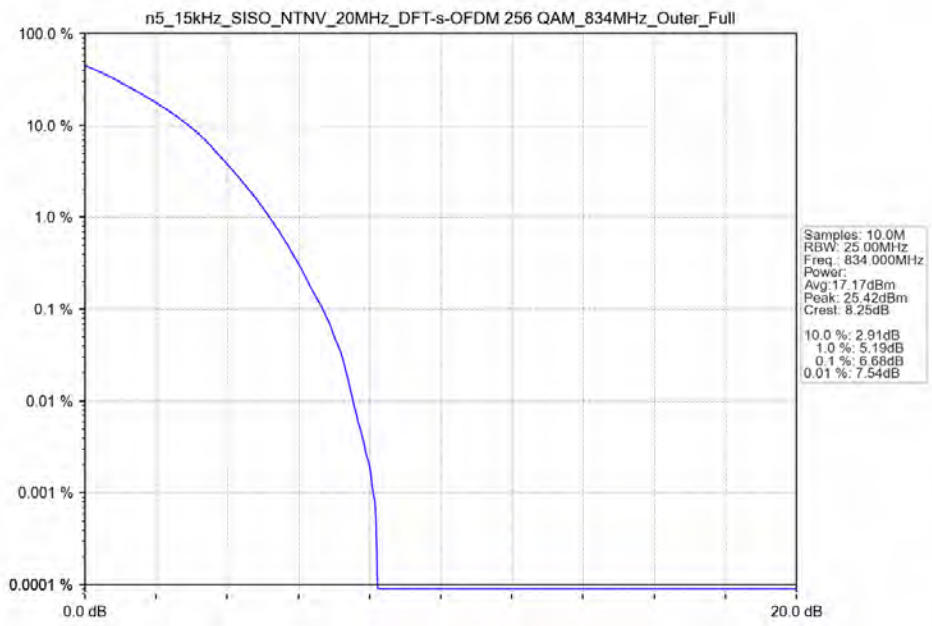
n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_834MHz_Outer_Full



n5_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_836.5MHz_Outer_Full

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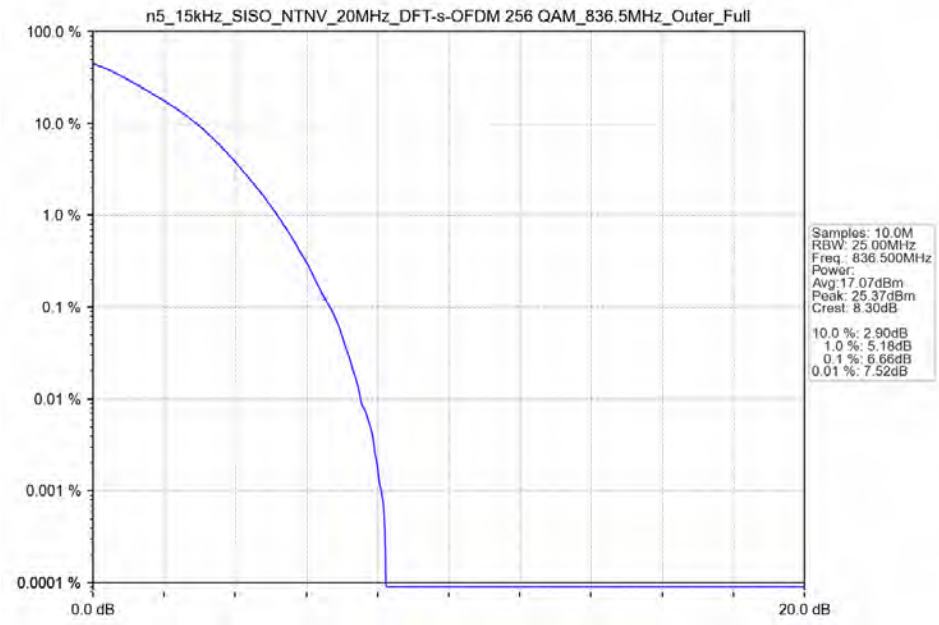

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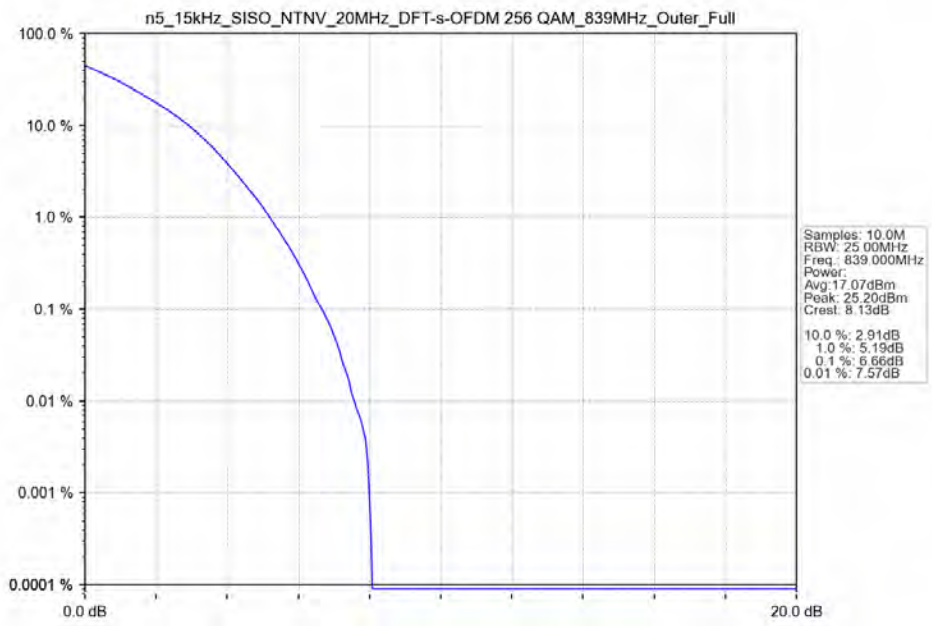

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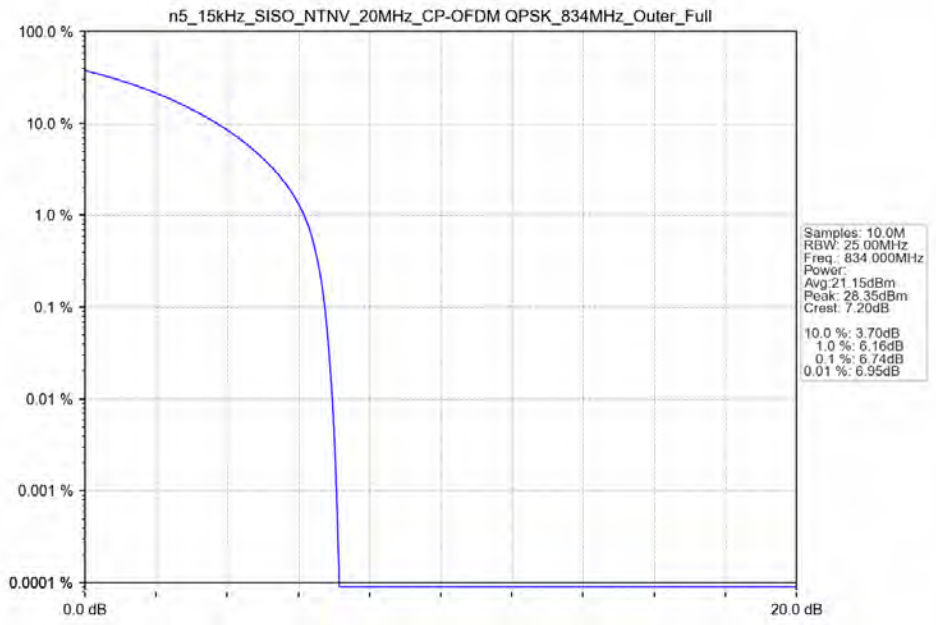

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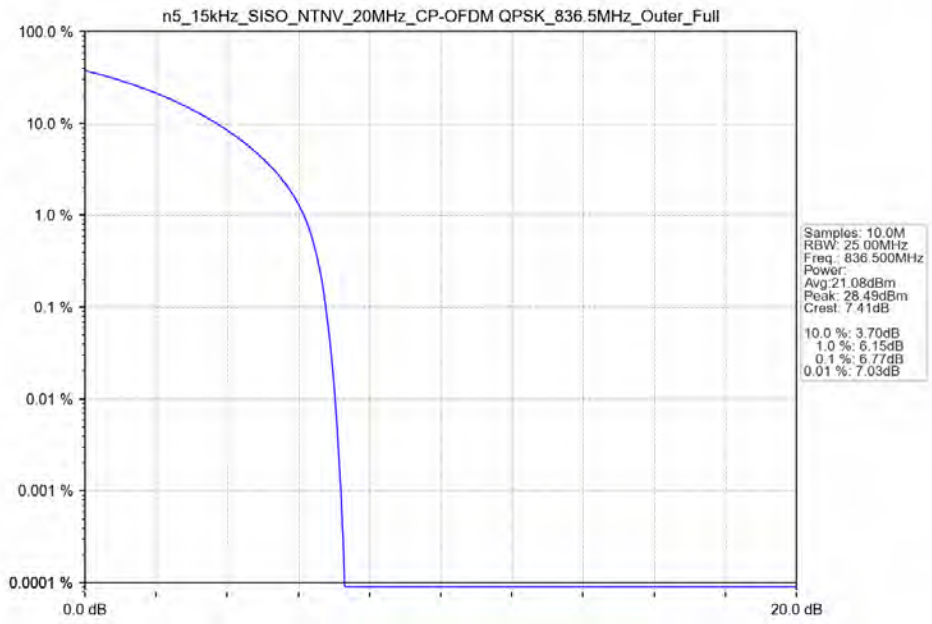

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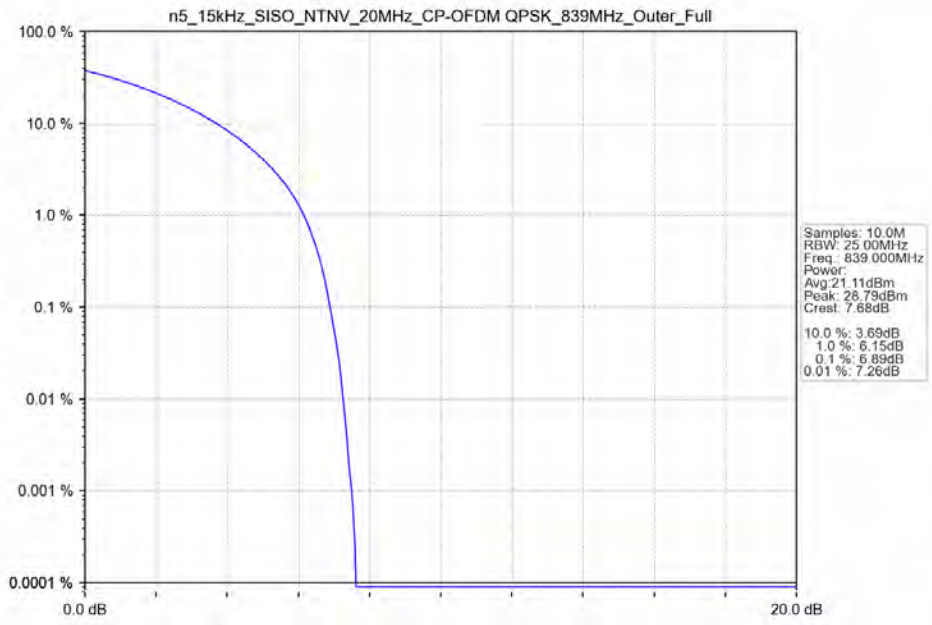

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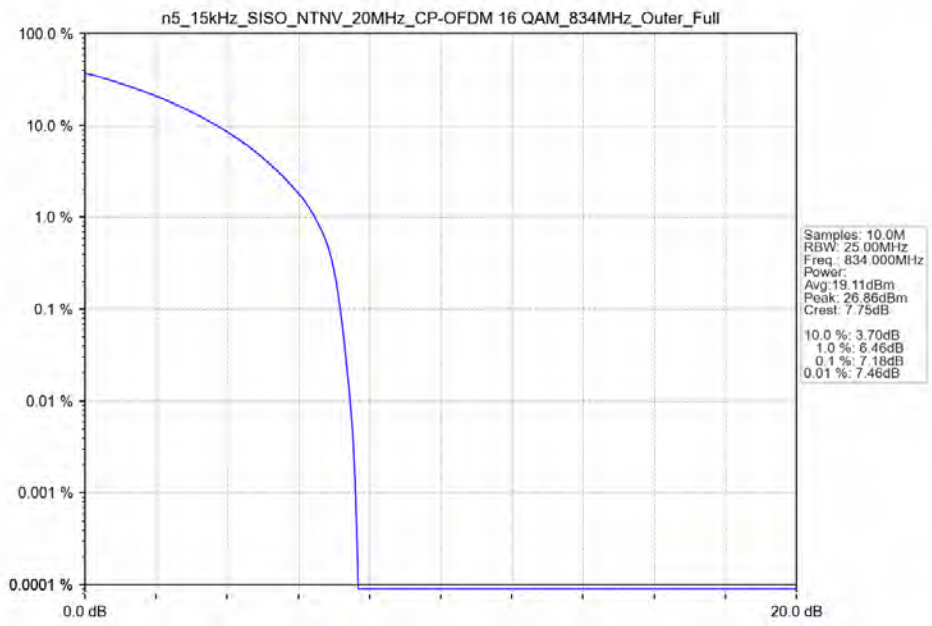

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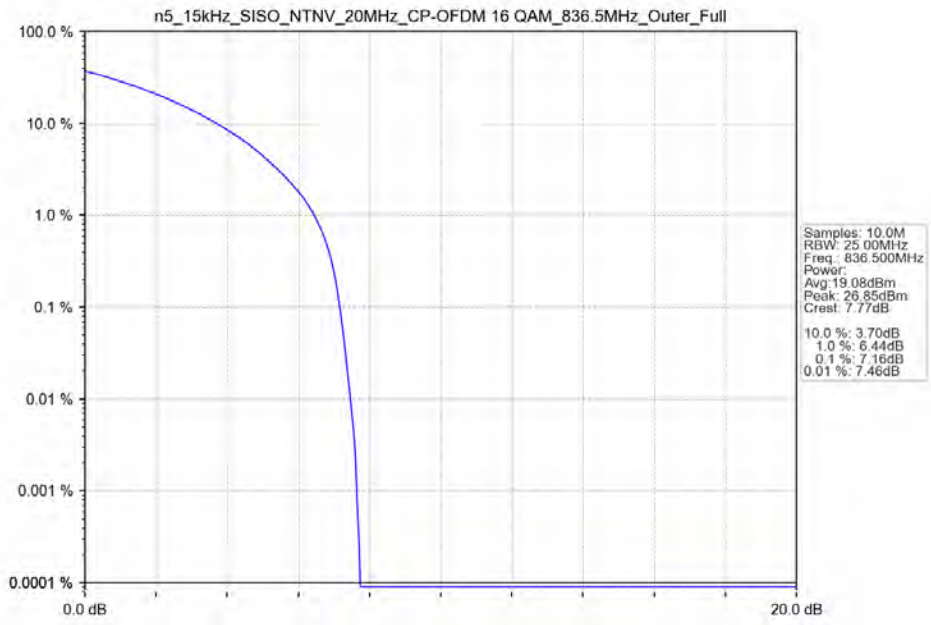

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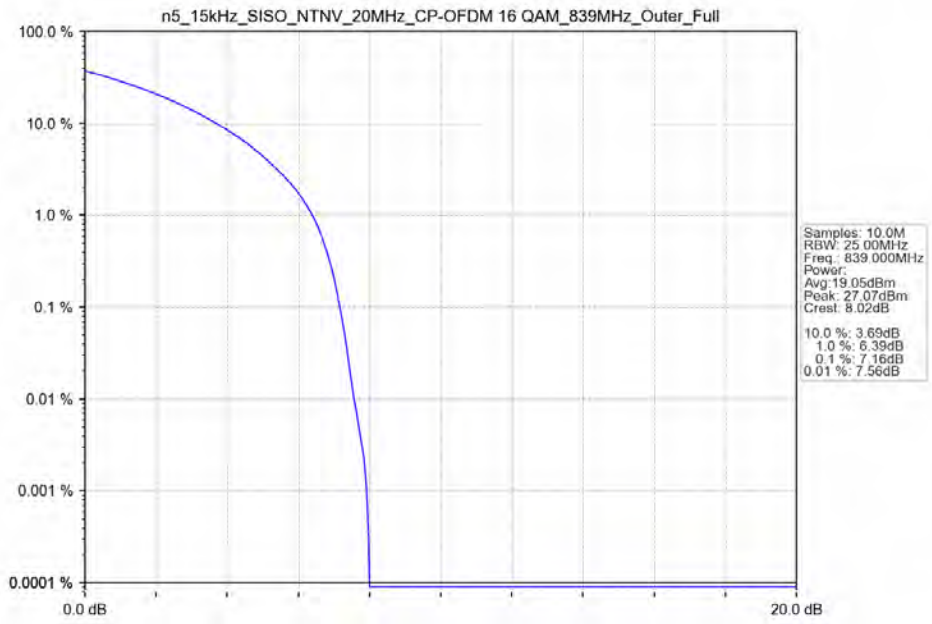

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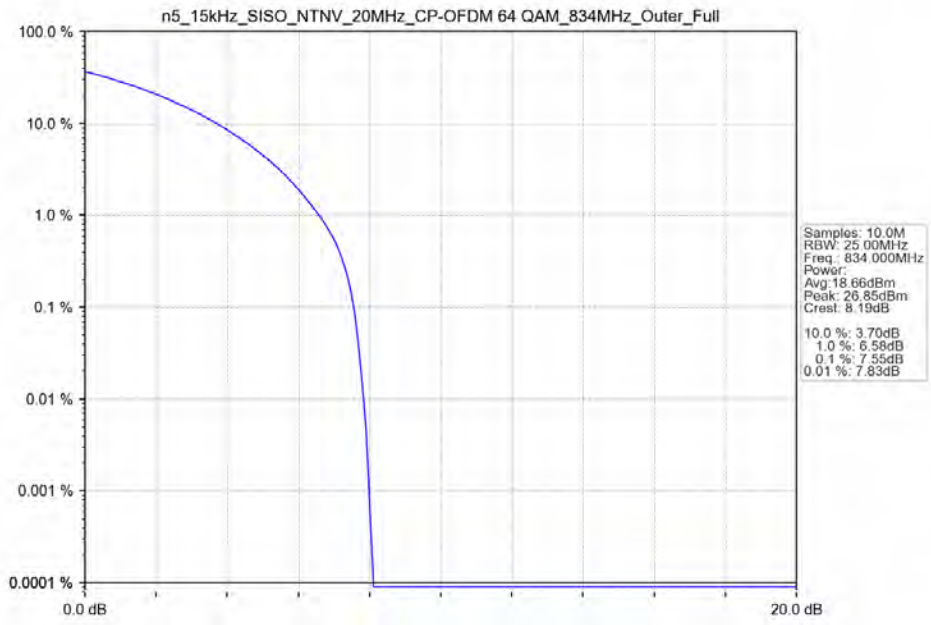

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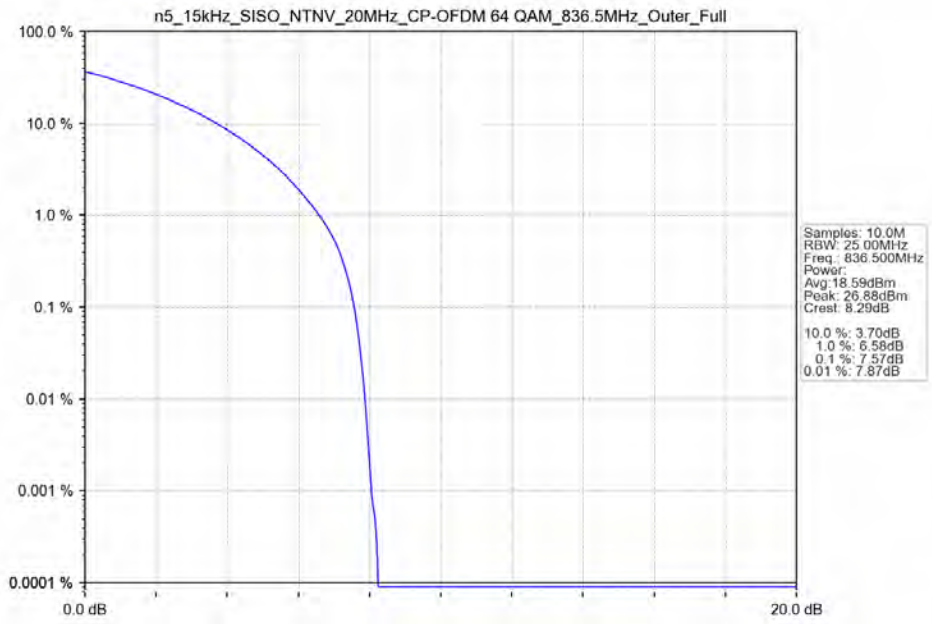

n5_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_839MHz_Outer_Full

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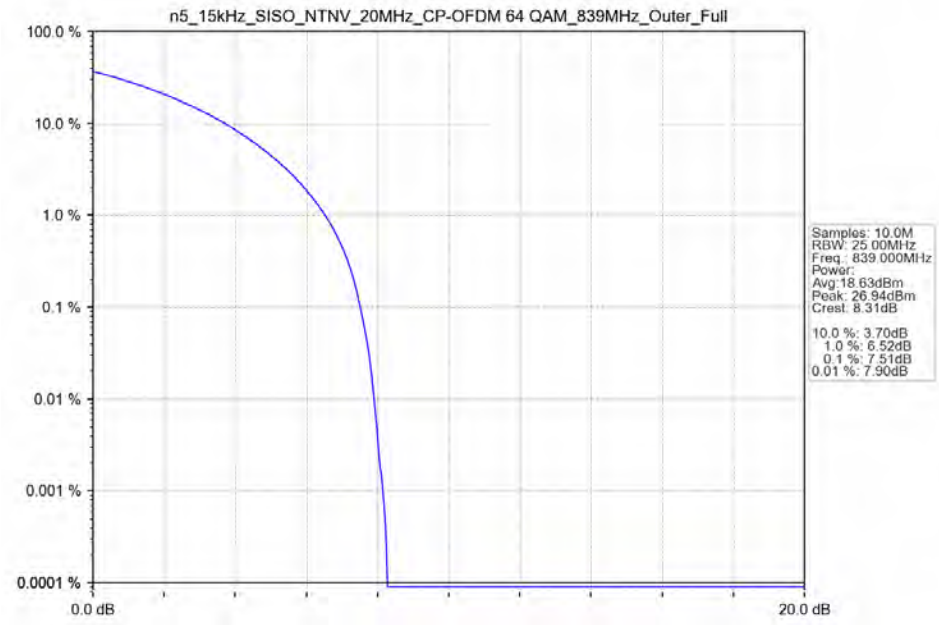

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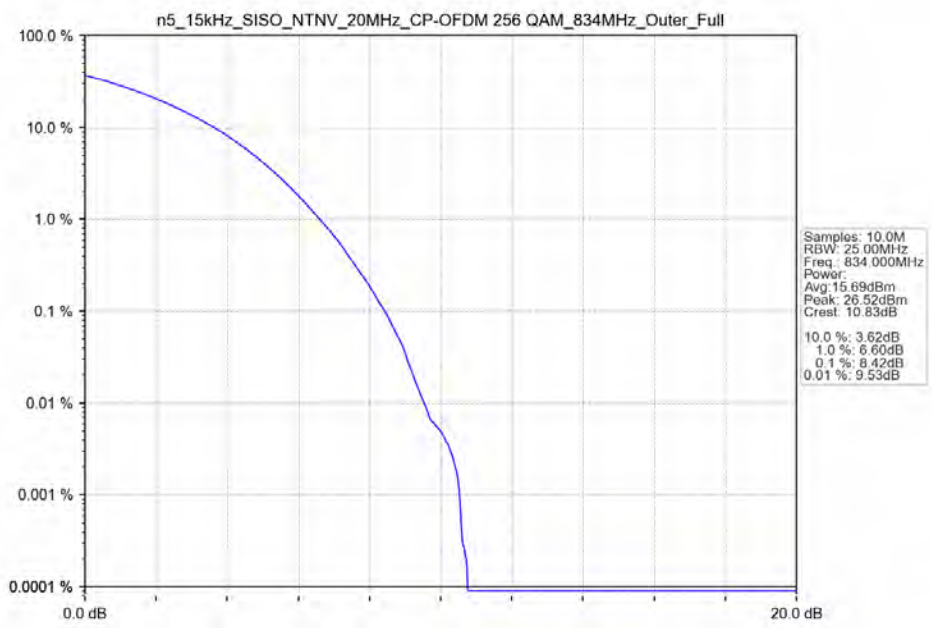
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_834MHz_Outer_Full



n5_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_836.5MHz_Outer_Full

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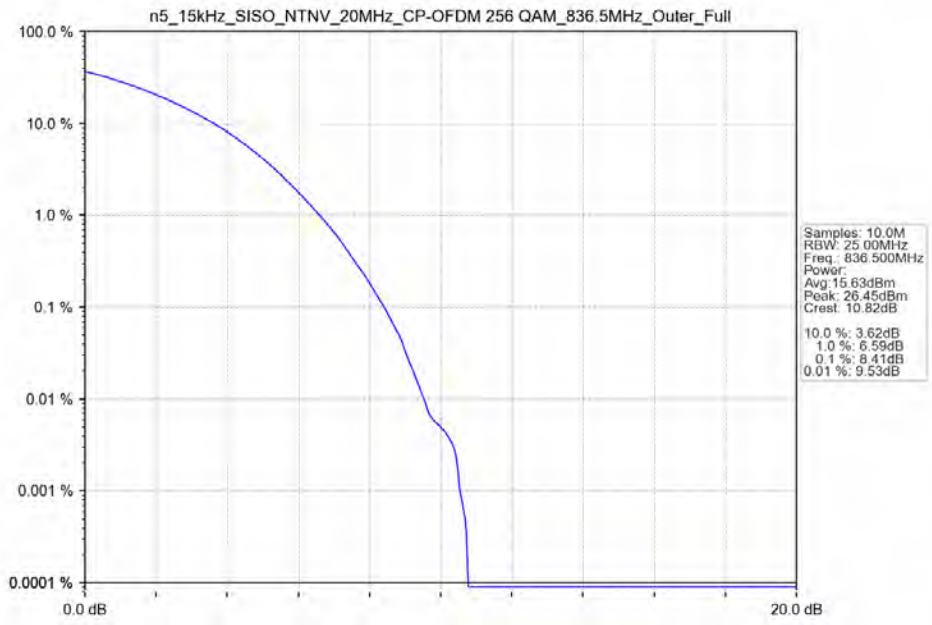

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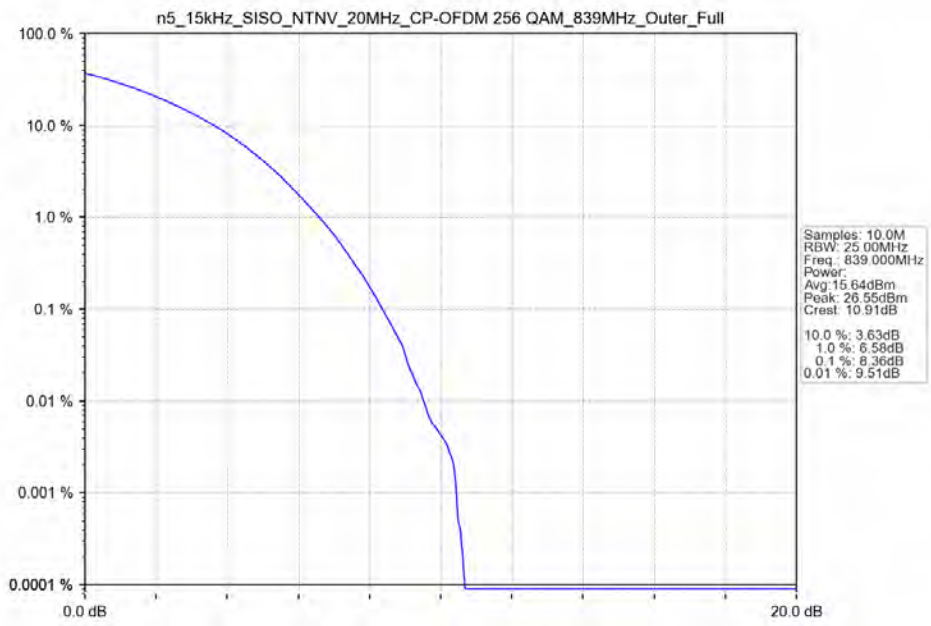
n5_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_839MHz_Outer_Full



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5. Spurious Emission & Band Edges

5.1 15k_SISO_5MHz_NTNV

5.1.1 Test Result

5G NR n5 SCS=15kHz SISO 5MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	826.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	836.5	Edge_1RB_Left	Refer To Test Graph				Pass
	846.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	826.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	836.5	Edge_1RB_Left	Refer To Test Graph				Pass
	846.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	826.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	836.5	Edge_1RB_Left	Refer To Test Graph				Pass
	846.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass

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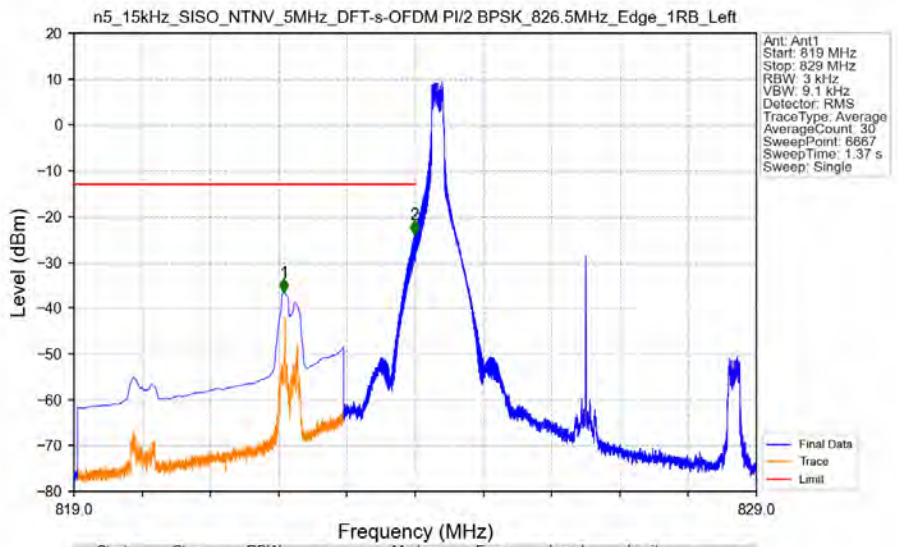
5.1.2 Test Graph

n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_826.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.075	-36.62	-13	Pass
823	824	0.003	/	2	823.994	-23.94	-13	Pass
824	829	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_826.5MHz_Edge_1RB_Left

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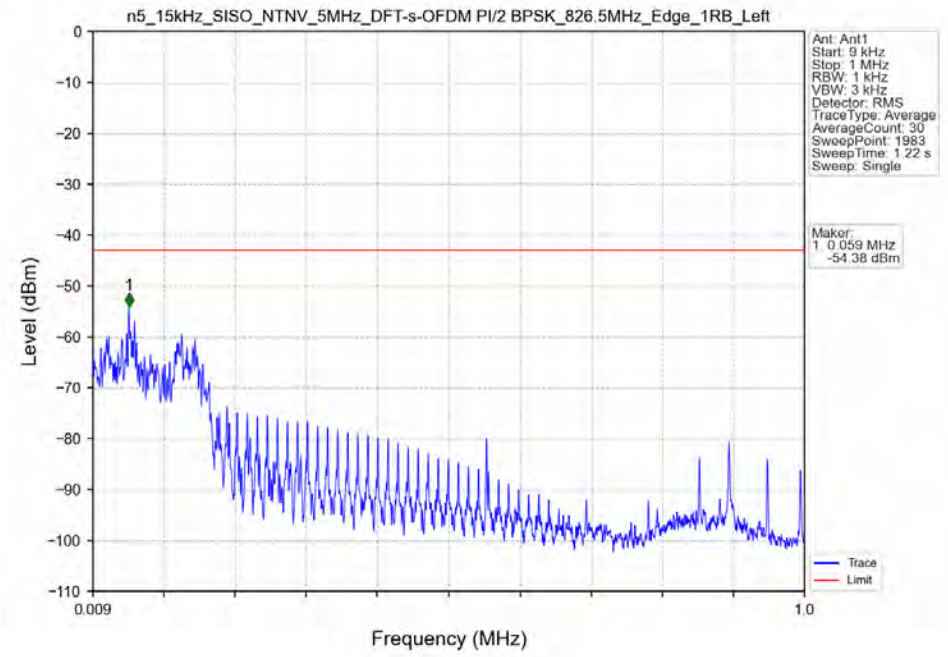

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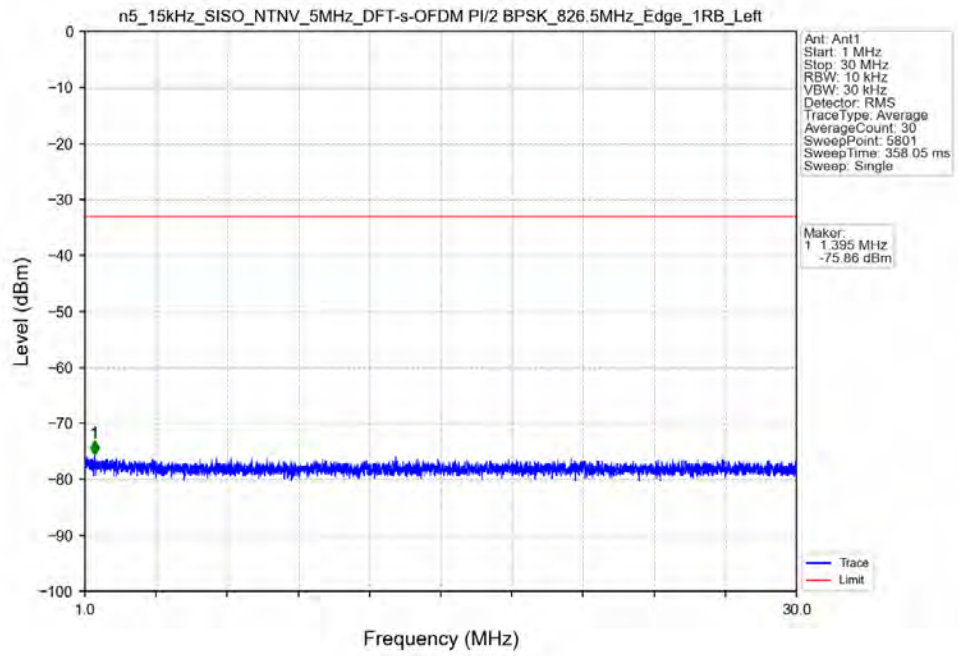

n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_826.5MHz_Edge_1RB_Left

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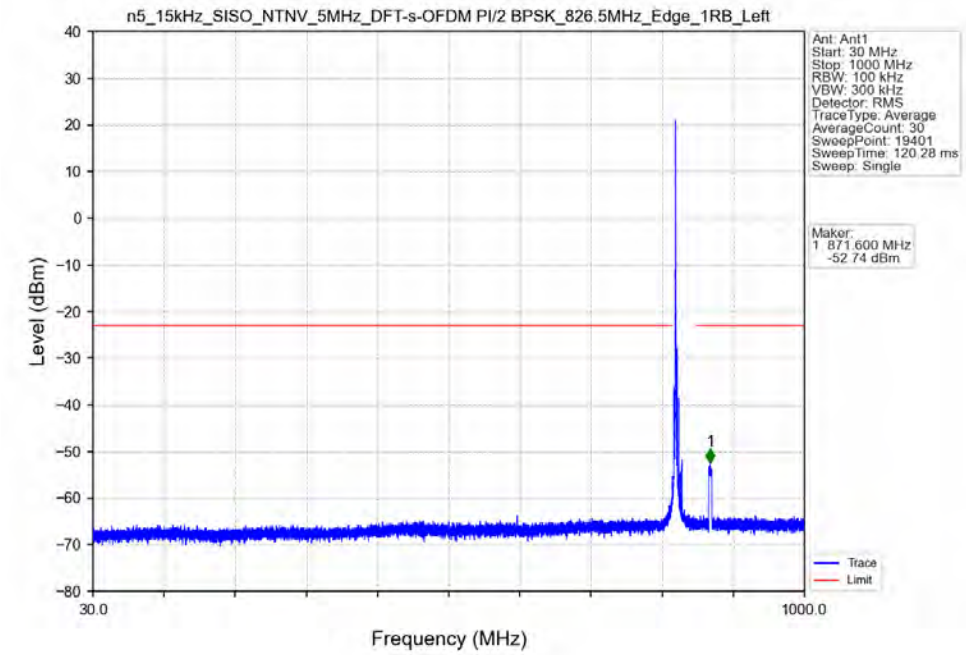

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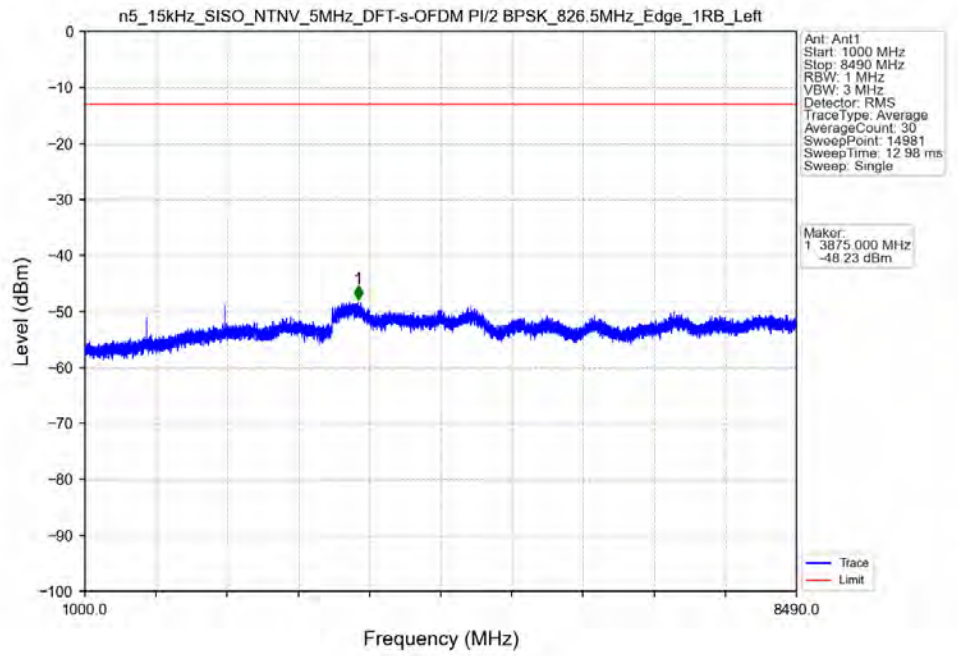

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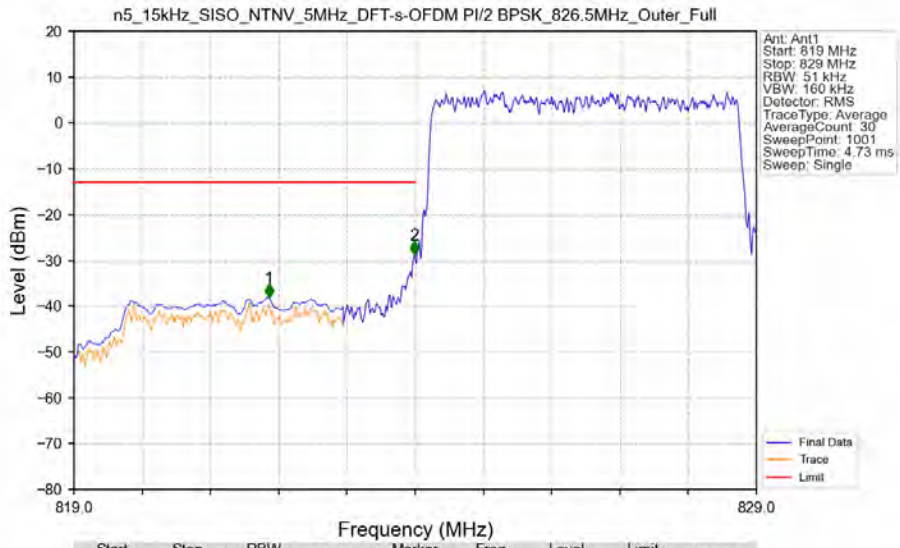

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	821.860	-38.18	-13	Pass
823	824	0.051	/	2	823.990	-28.86	-13	Pass
824	829	0.051	/	/	/	/	/	/

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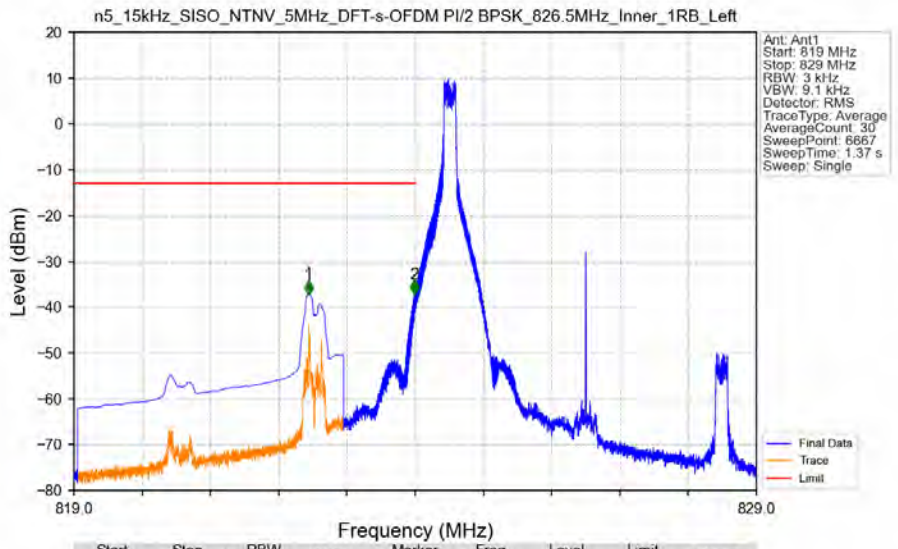

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.435	-37.24	-13	Pass
823	824	0.003	/	2	823.988	-37.11	-13	Pass
824	829	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Edge_1RB_Left

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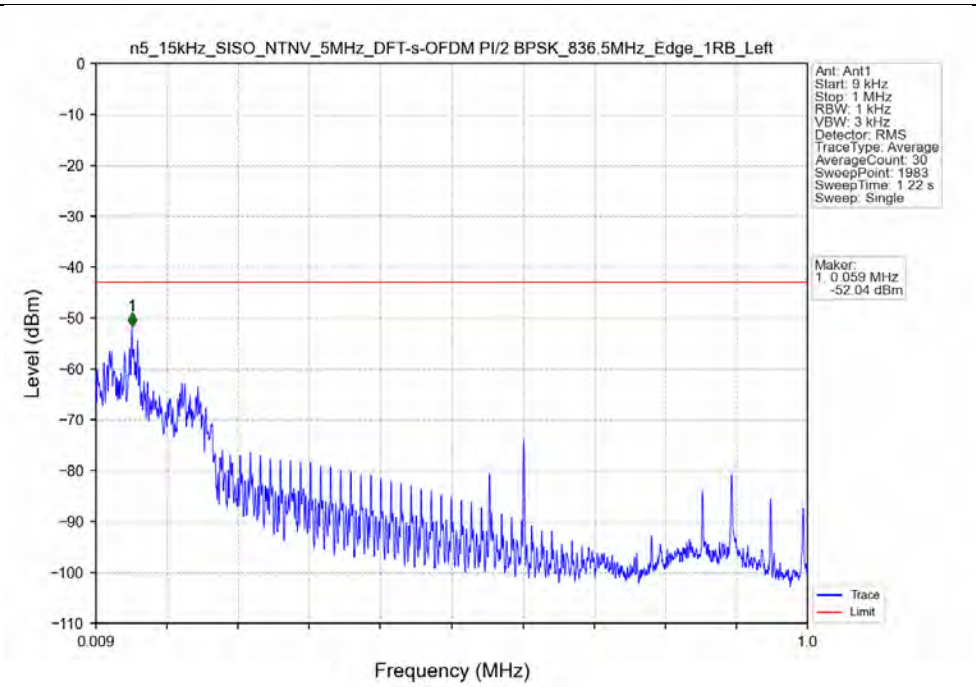

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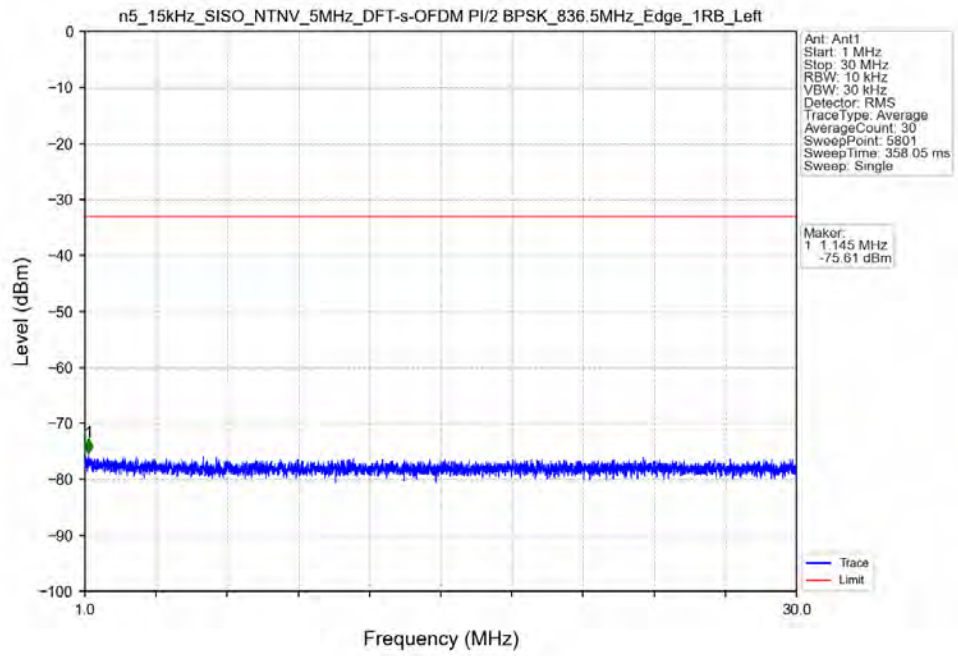
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Edge_1RB_Left



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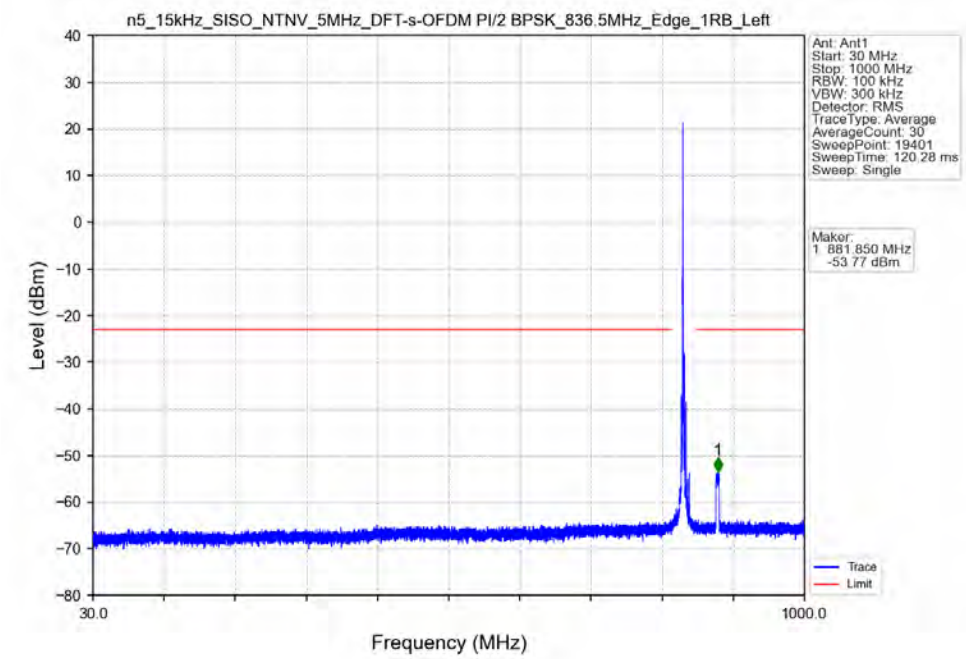

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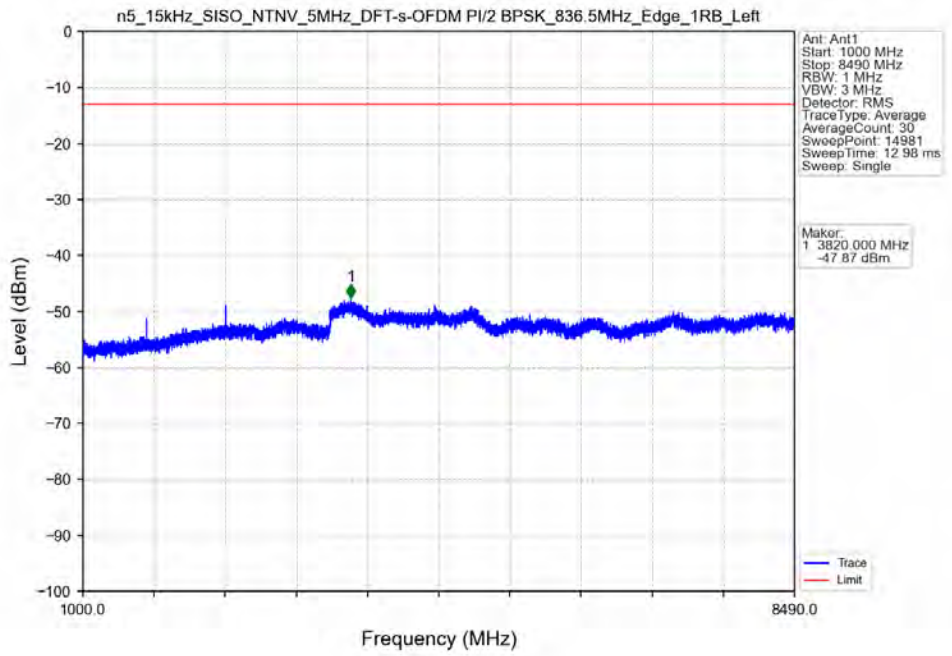

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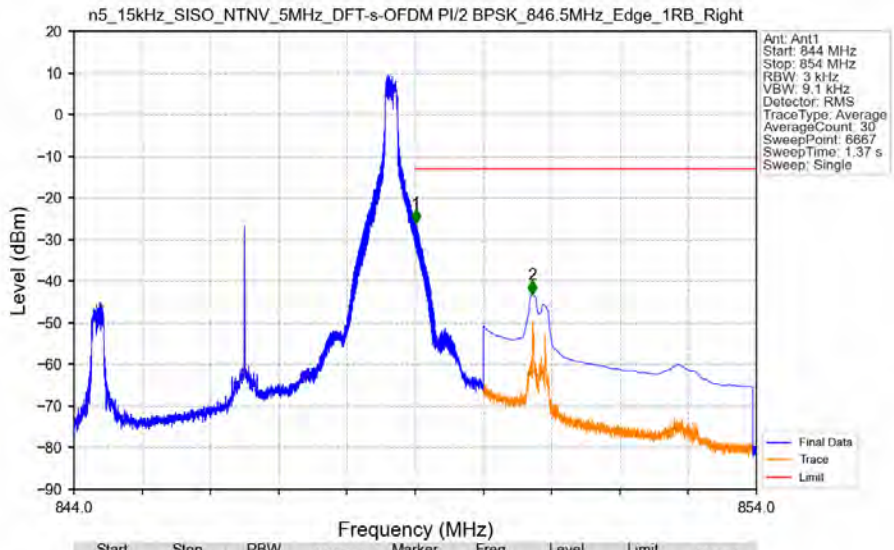

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.006	-26.18	-13	Pass
850	854	0.1	CHP	2	850.716	-43.33	-13	Pass

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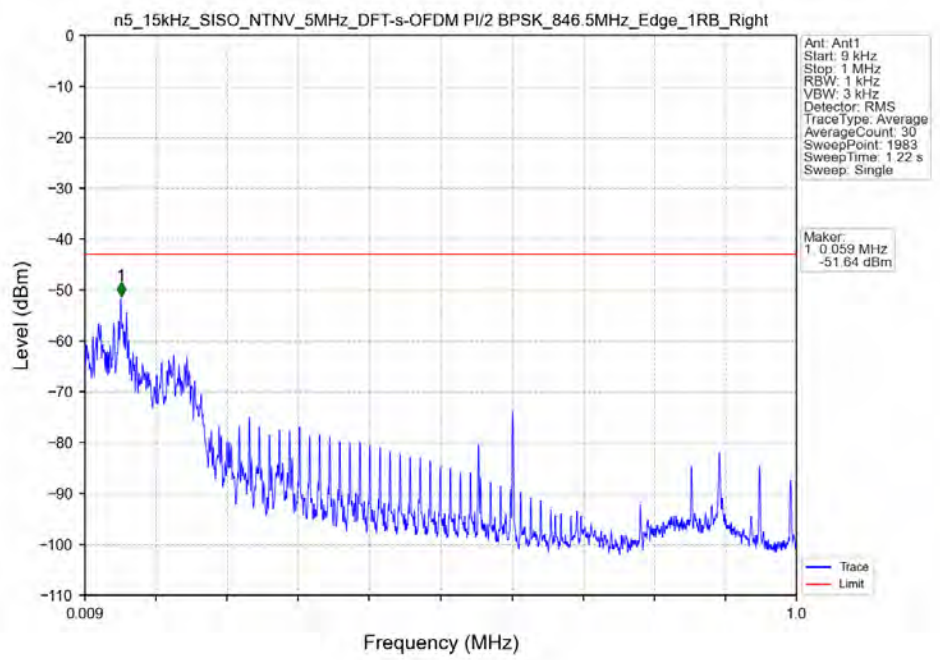

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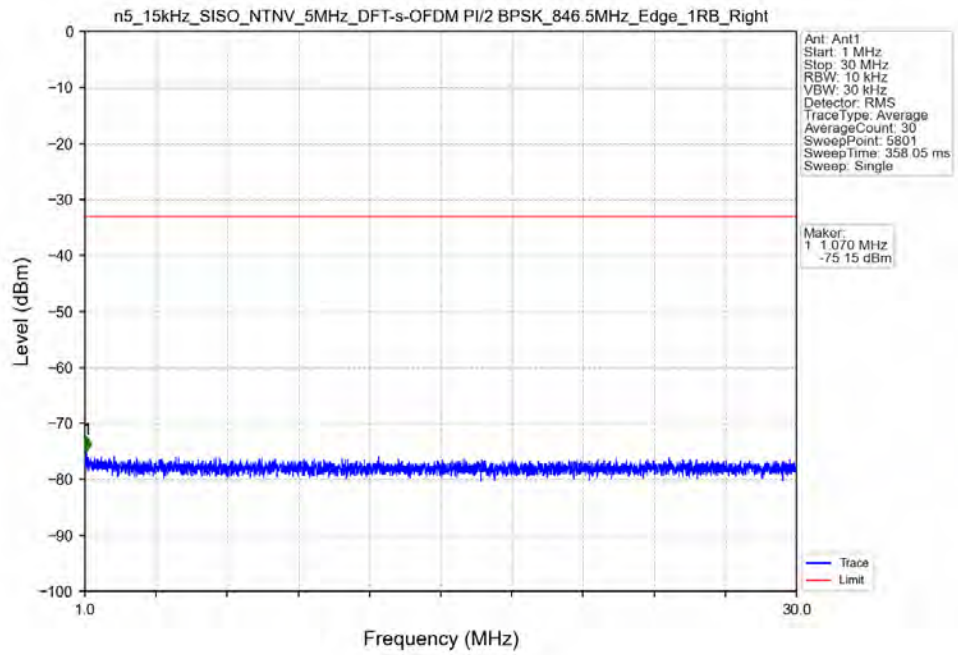

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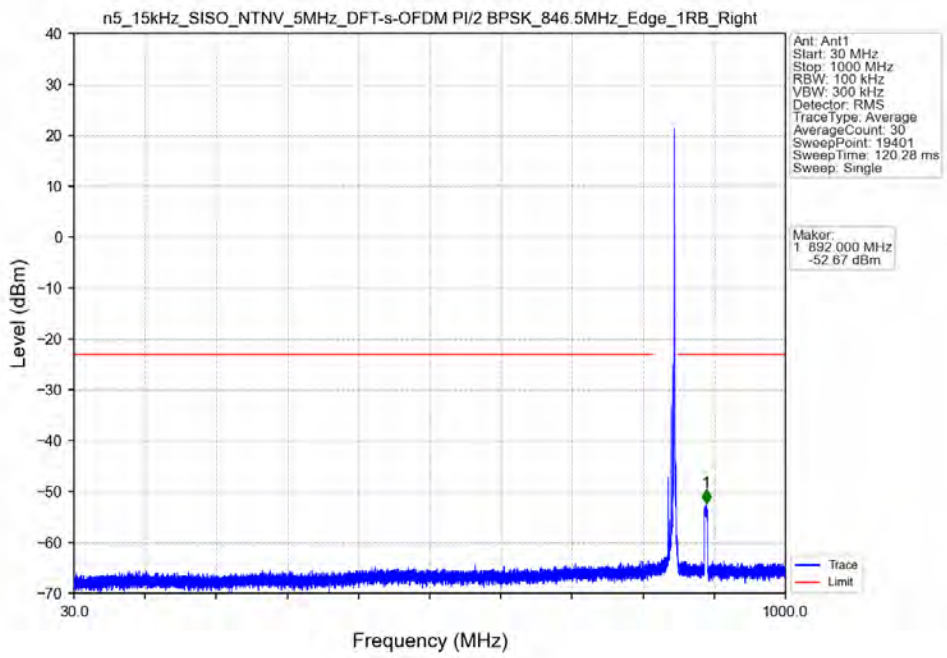

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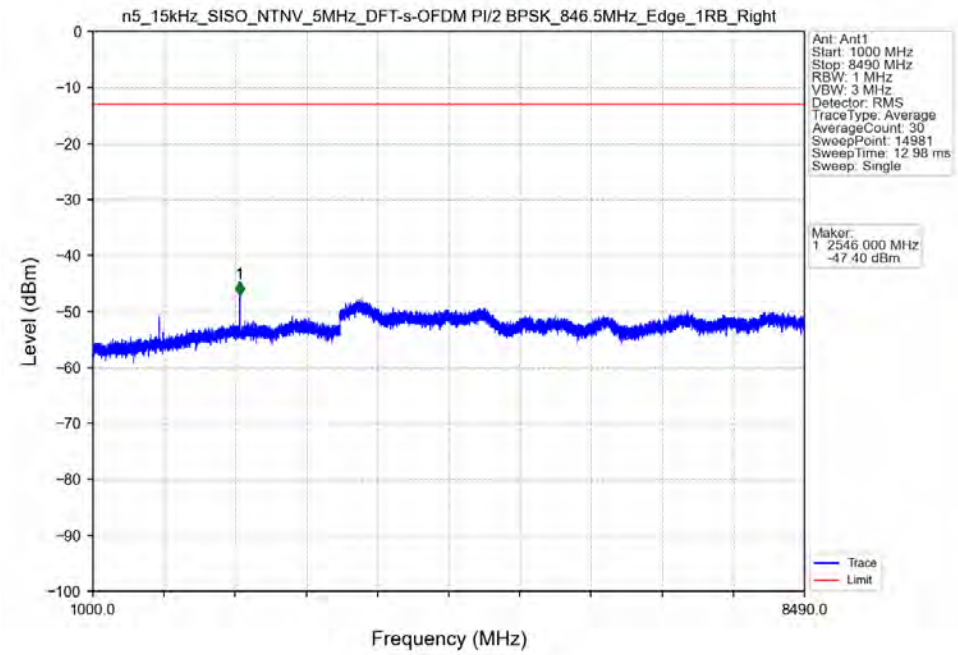

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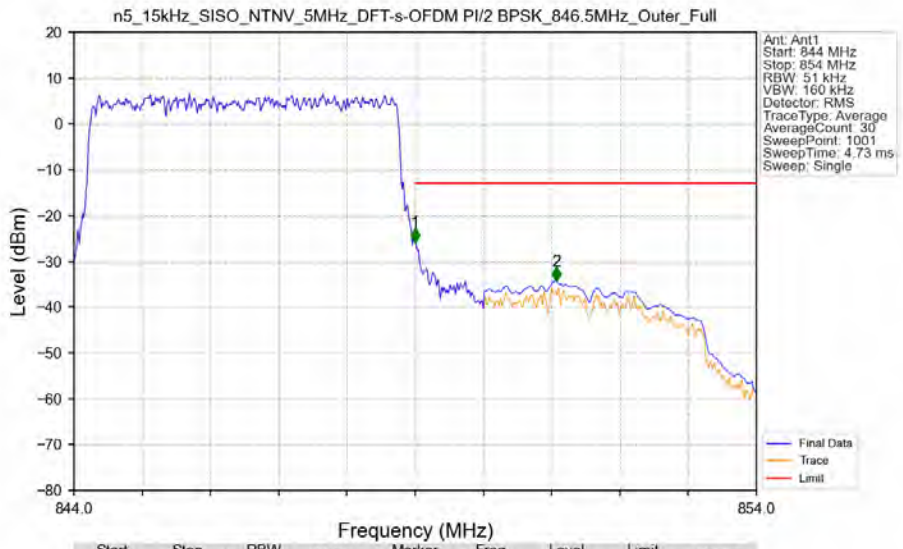

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.000	-25.92	-13	Pass
850	854	0.1	CHP	2	851.070	-34.29	-13	Pass

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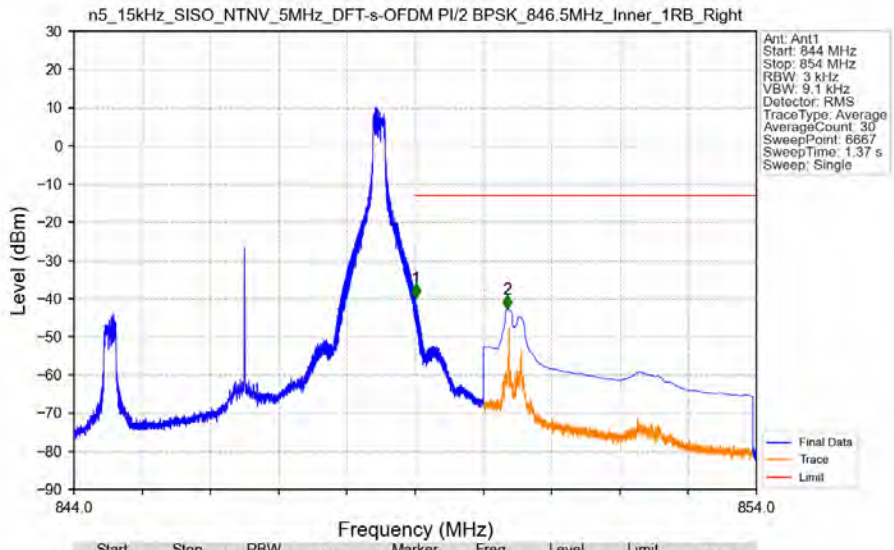

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.008	-39.86	-13	Pass
850	854	0.1	CHP	2	850.353	-42.90	-13	Pass

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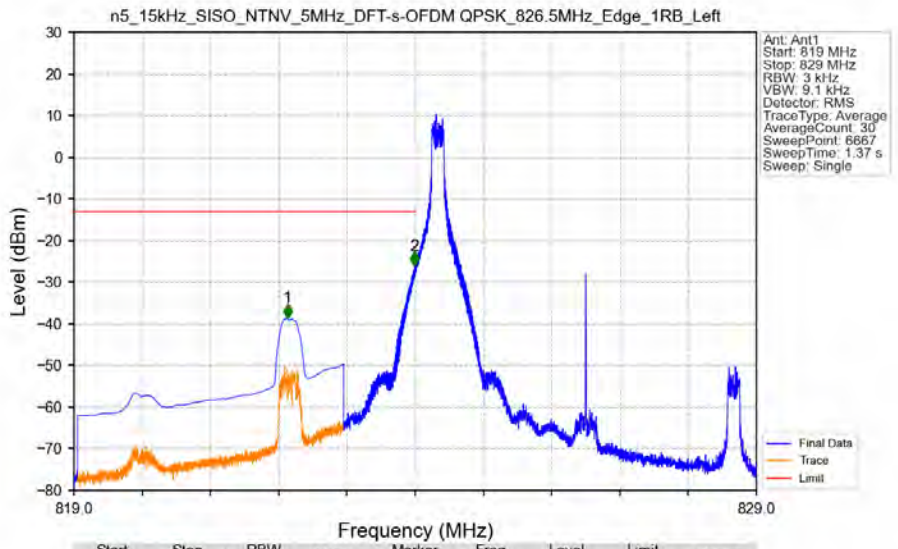

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.132	-38.61	-13	Pass
823	824	0.003	/	2	823.992	-26.11	-13	Pass
824	829	0.003	/	/	/	/	/	/

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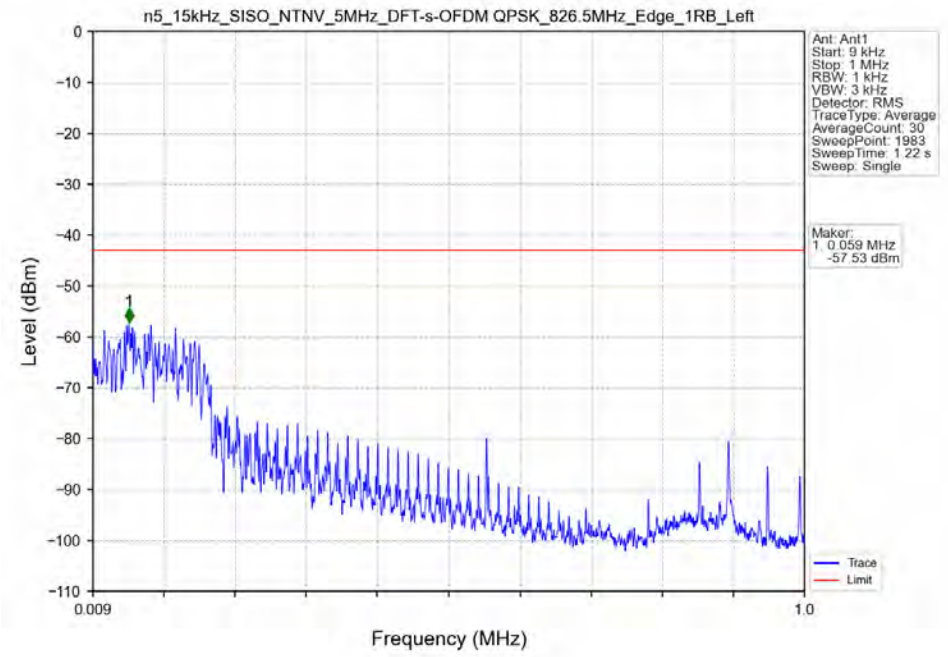

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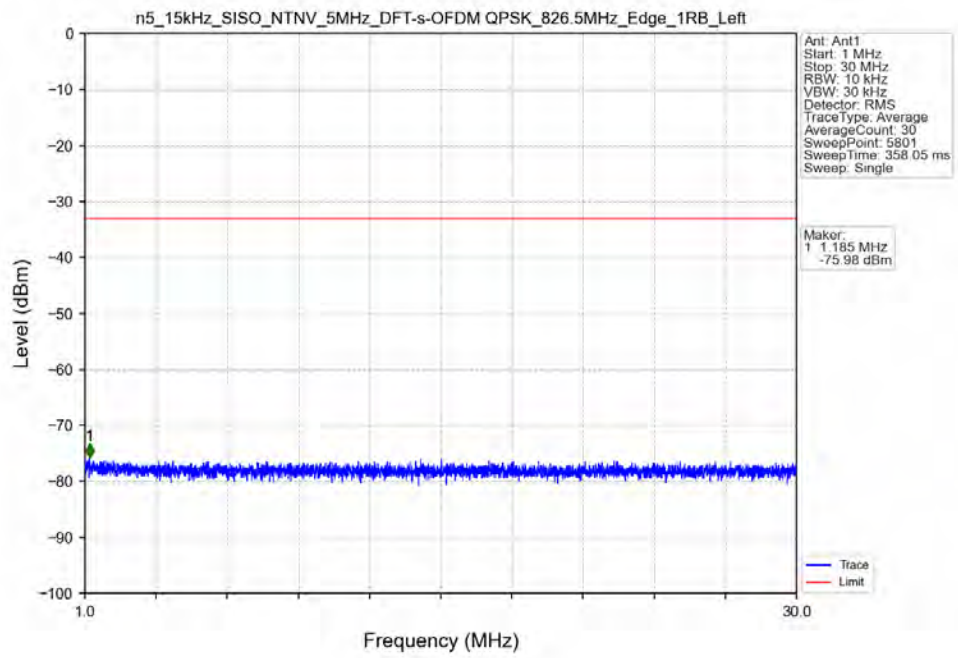
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_826.5MHz_Edge_1RB_Left



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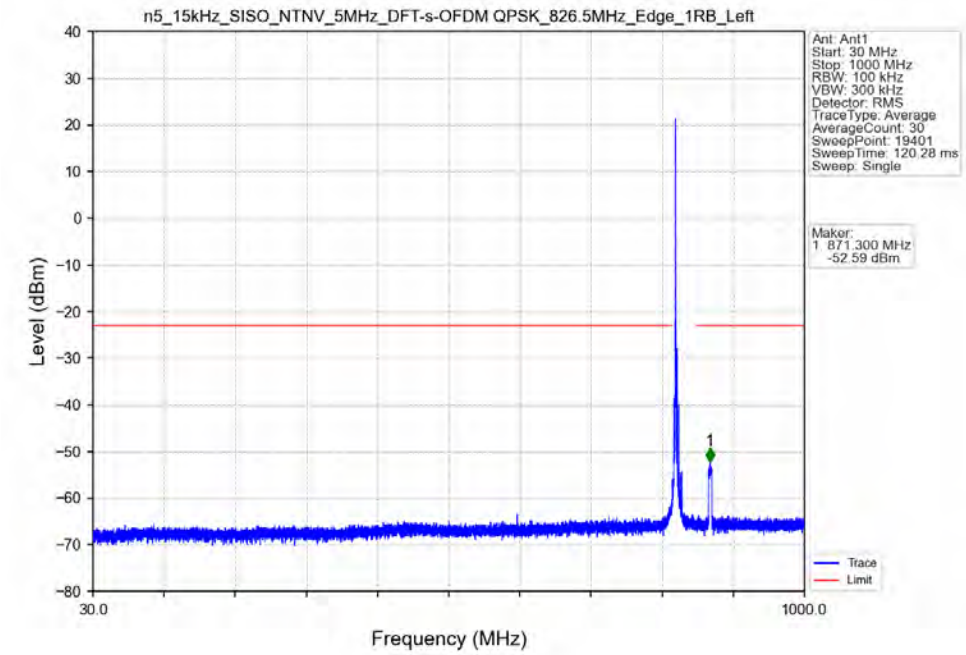

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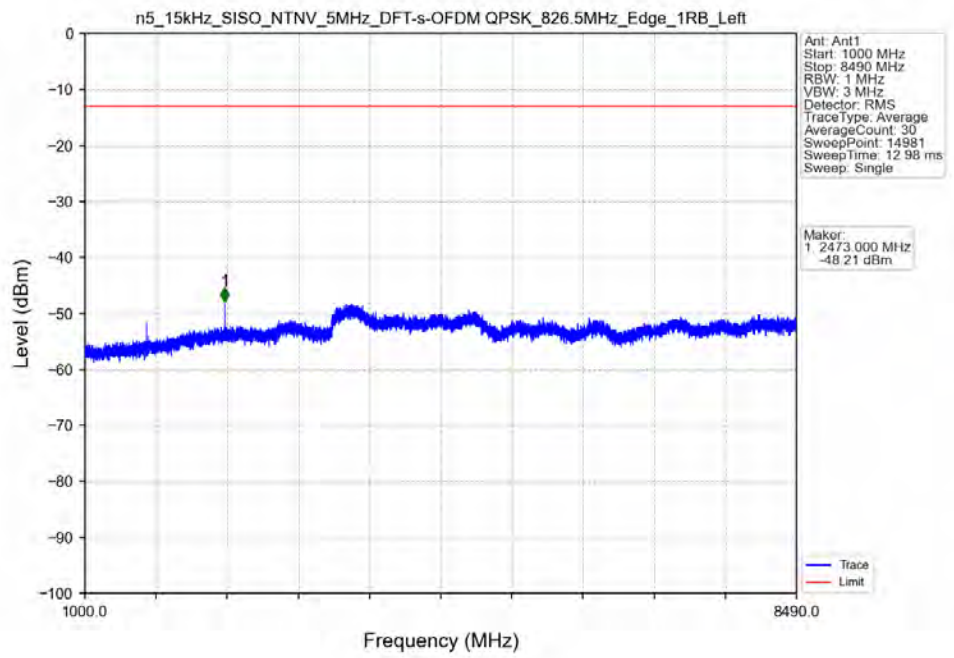

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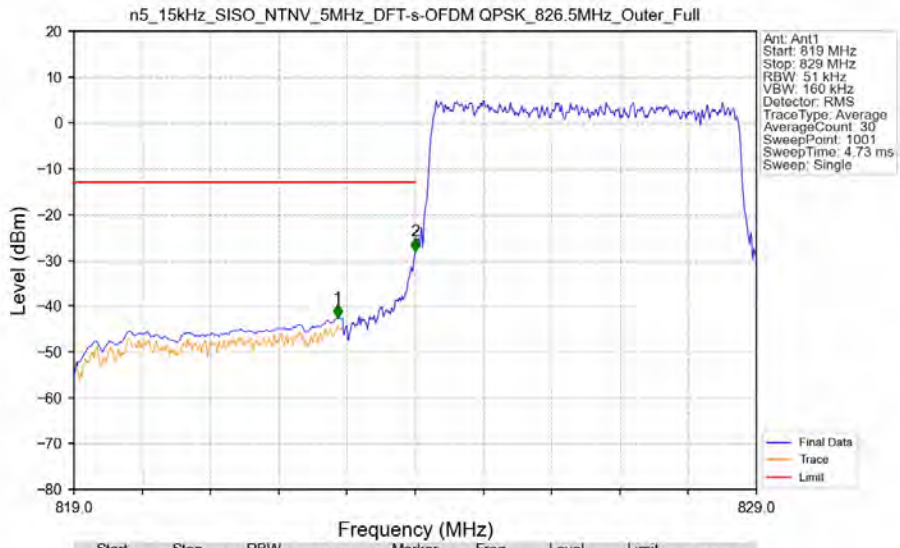

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.860	-42.57	-13	Pass
823	824	0.051	/	2	824.000	-28.08	-13	Pass
824	829	0.051	/	/	/	/	/	/

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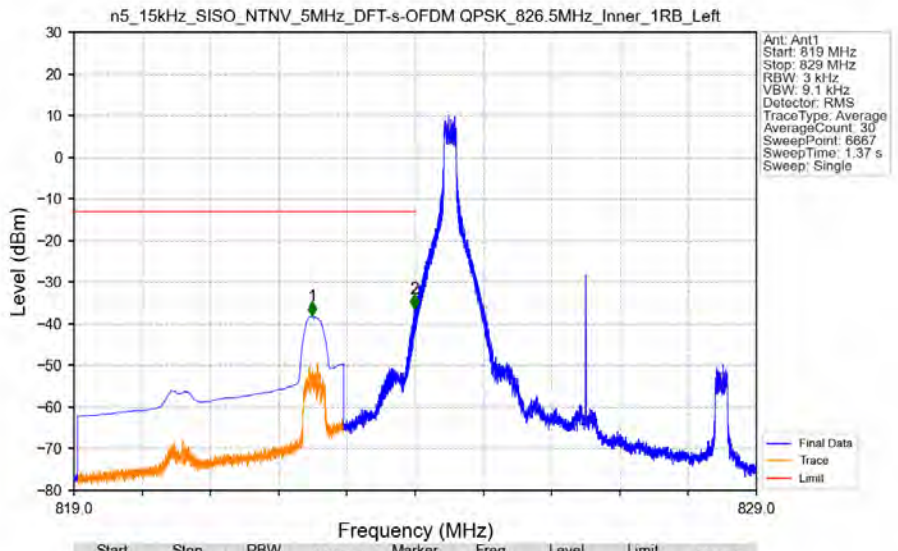

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.491	-38.13	-13	Pass
823	824	0.003	/	2	823.989	-36.42	-13	Pass
824	829	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_836.5MHz_Edge_1RB_Left

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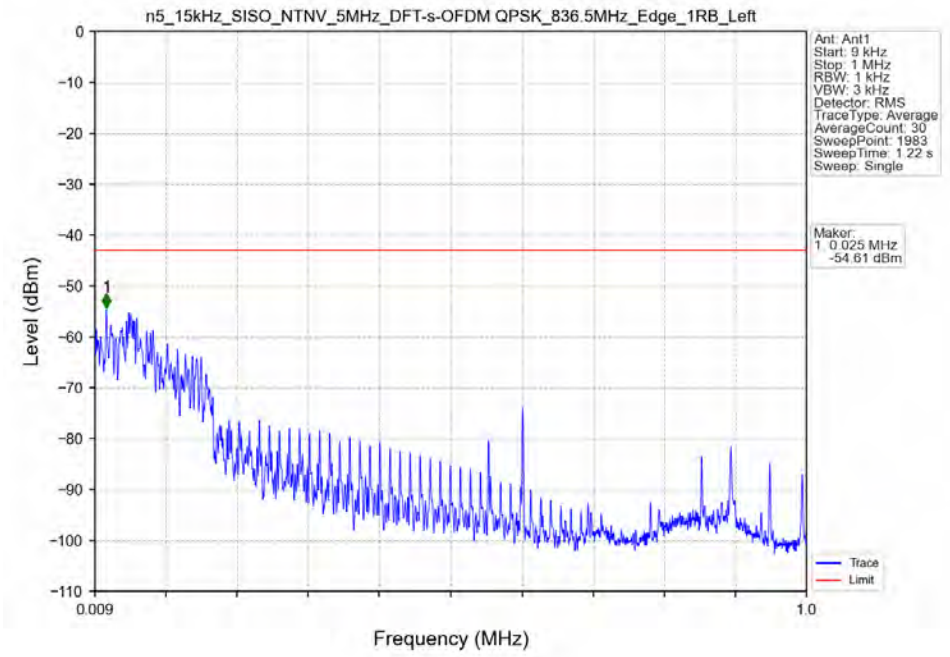

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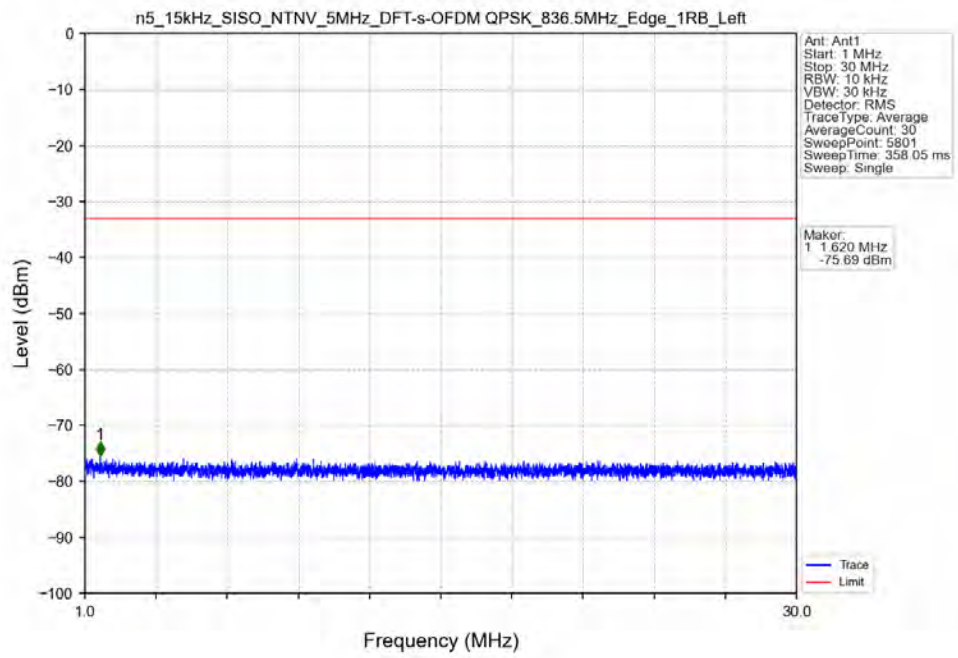
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_836.5MHz_Edge_1RB_Left



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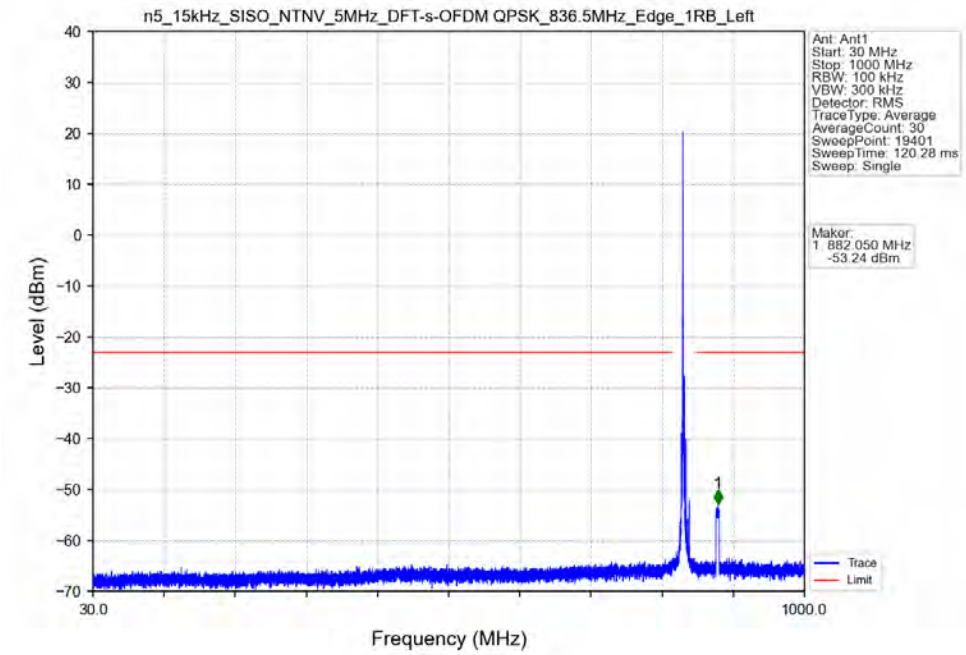

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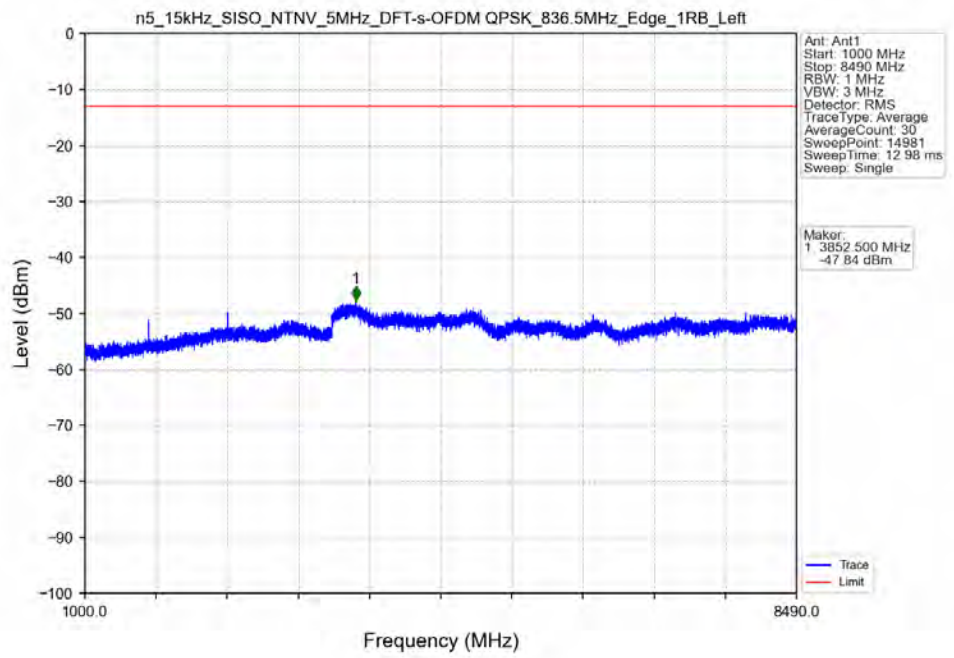

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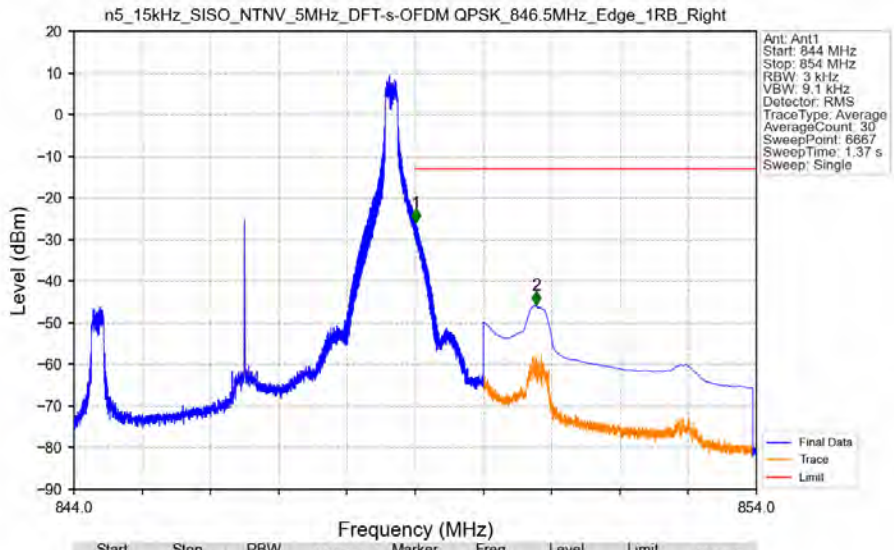

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.009	-25.99	-13	Pass
850	854	0.1	CHP	2	850.772	-45.83	-13	Pass

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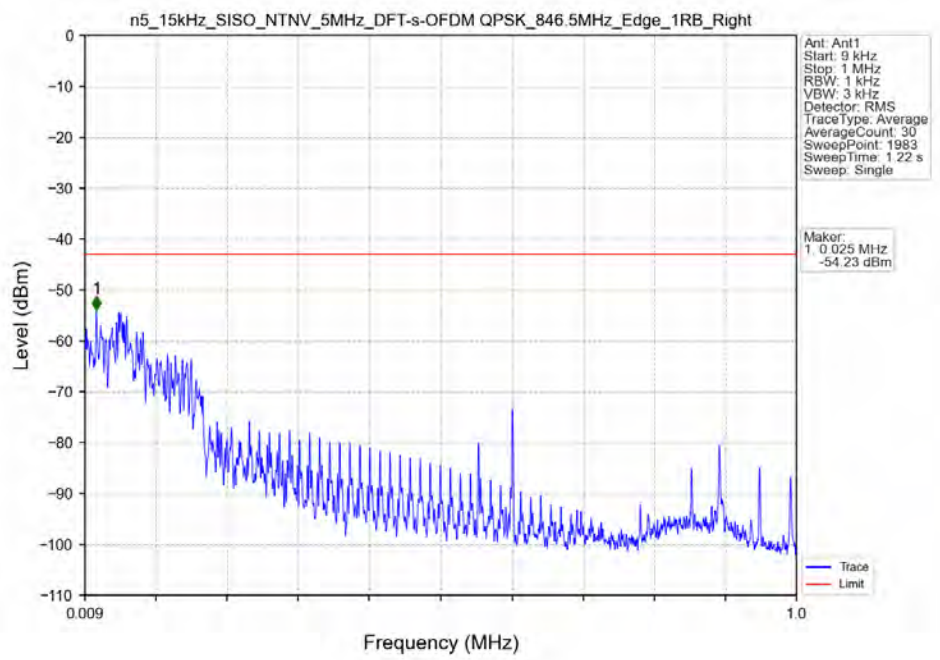

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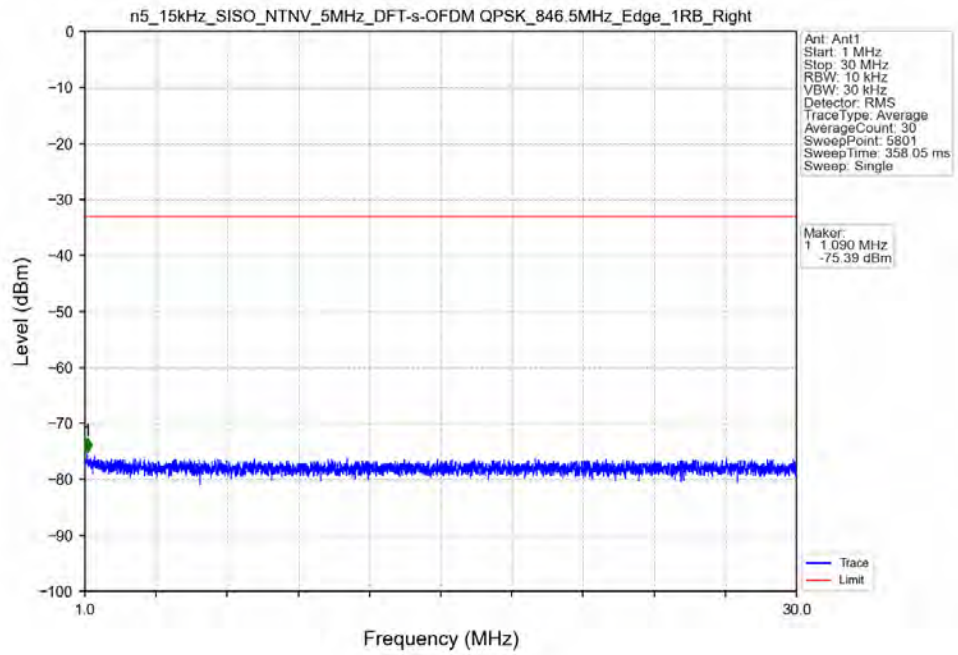

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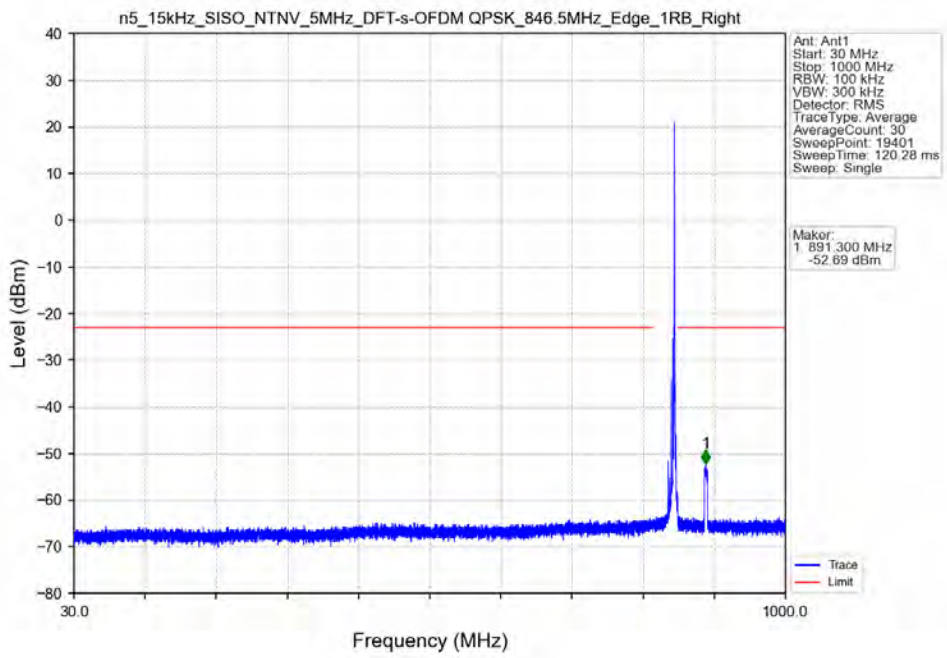
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_846.5MHz_Edge_1RB_Right



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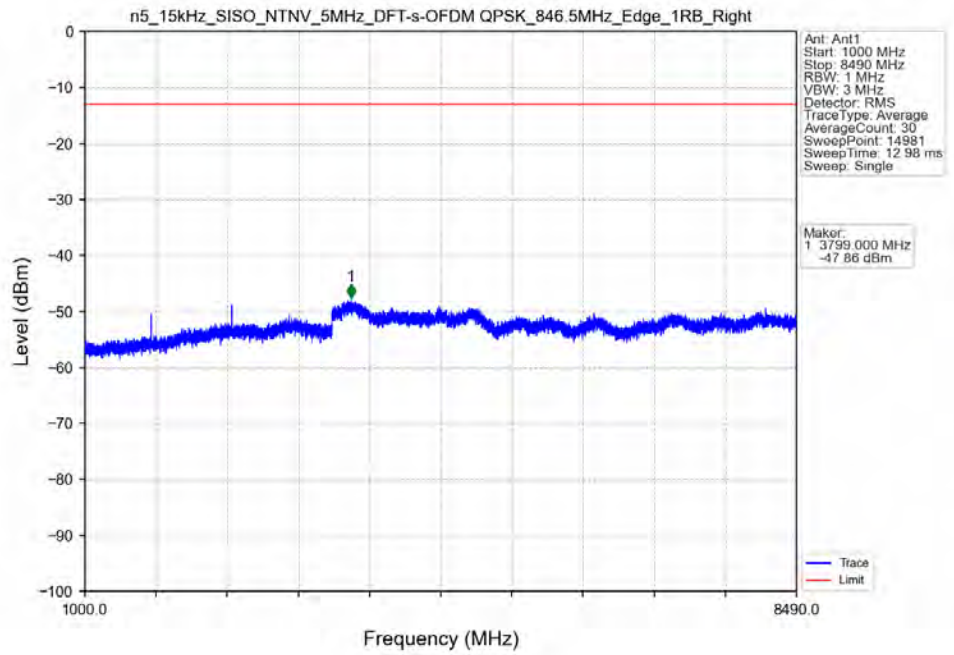

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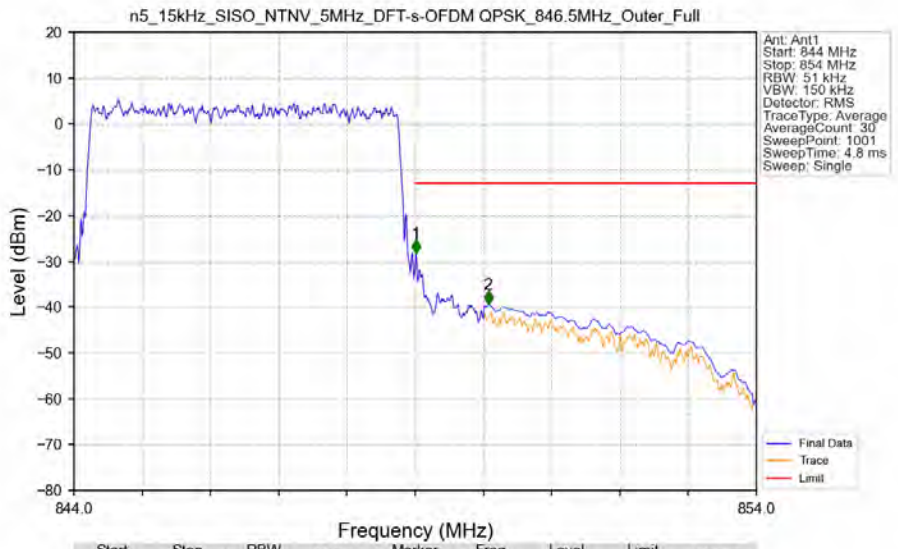
n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_846.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.010	-28.30	-13	Pass
850	854	0.1	CHP	2	850.070	-39.50	-13	Pass

n5_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_846.5MHz_Inner_1RB_Right

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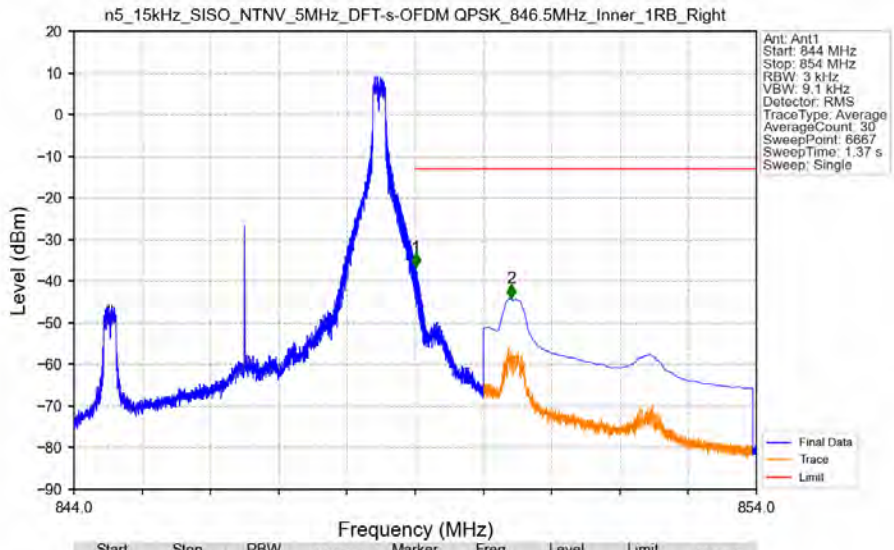

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.009	-36.70	-13	Pass
850	854	0.1	CHP	2	850.409	-44.15	-13	Pass

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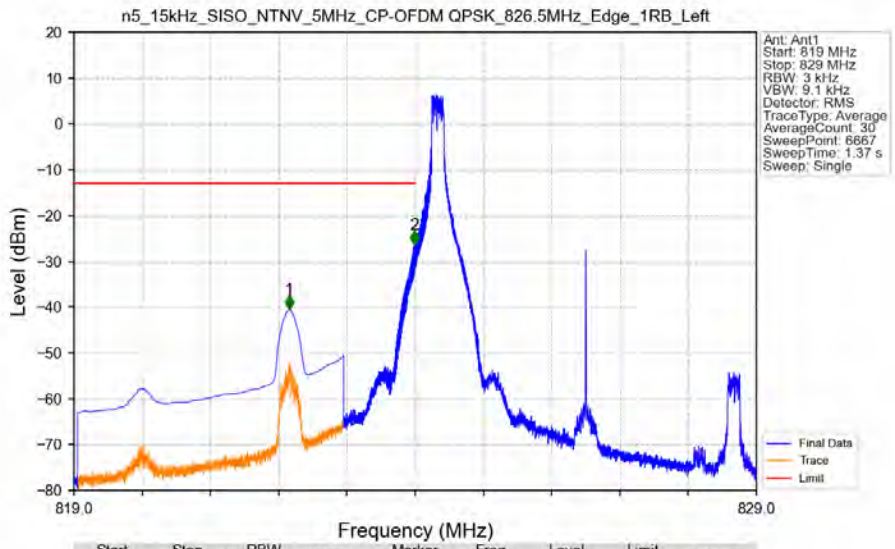

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.150	-40.53	-13	Pass
823	824	0.003	/	2	823.992	-26.45	-13	Pass
824	829	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_826.5MHz_Edge_1RB_Left

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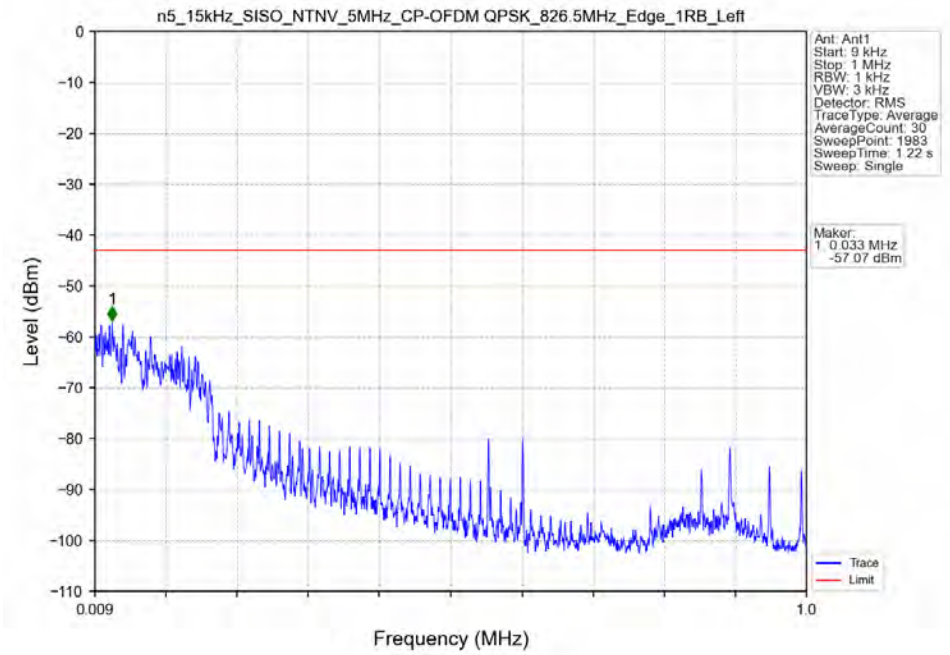

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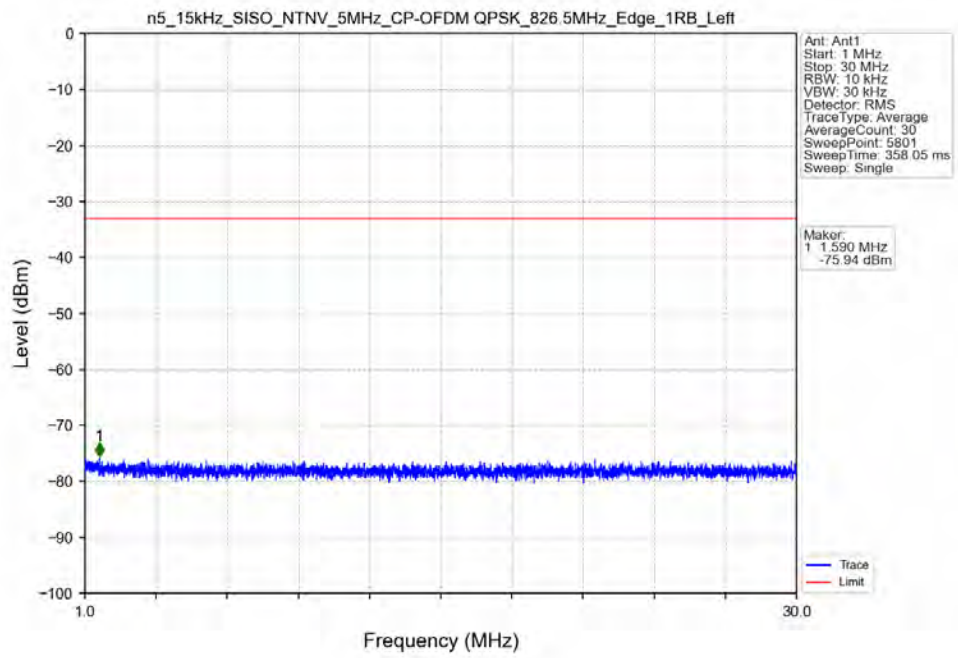

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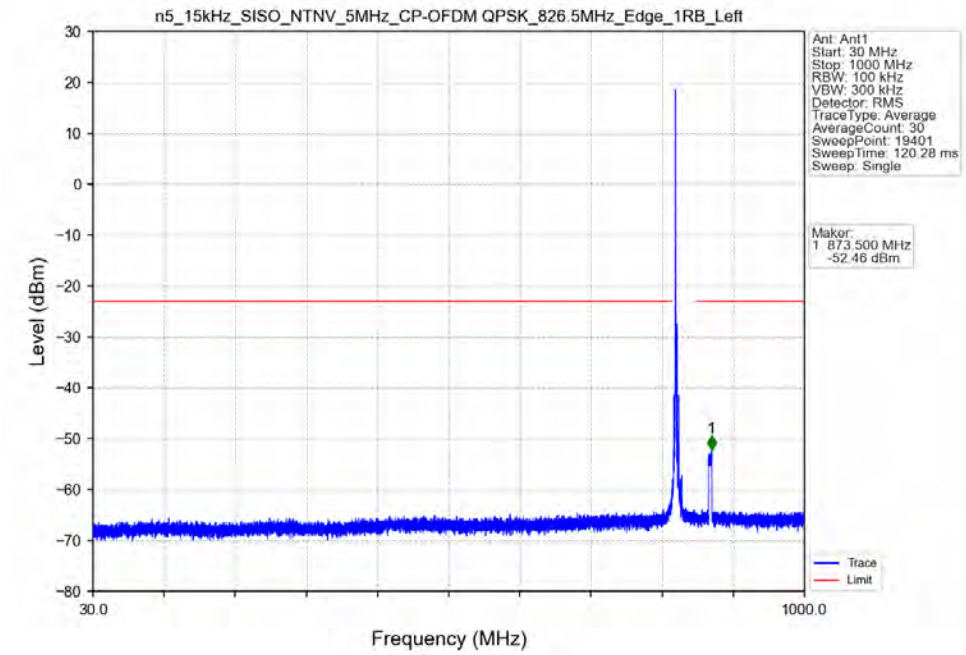

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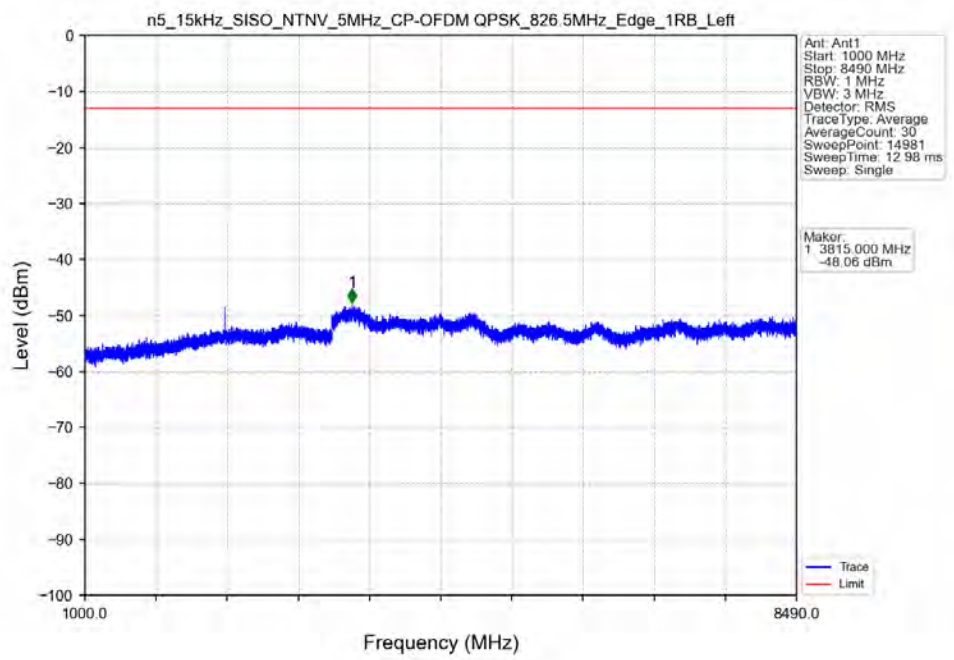

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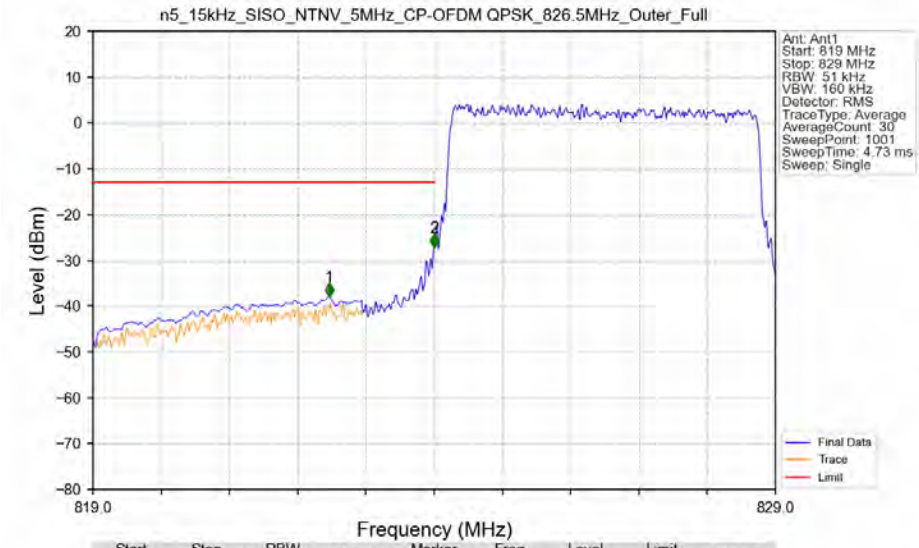

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.460	-38.10	-13	Pass
823	824	0.051	/	2	824.000	-27.34	-13	Pass
824	829	0.051	/	/	/	/	/	/

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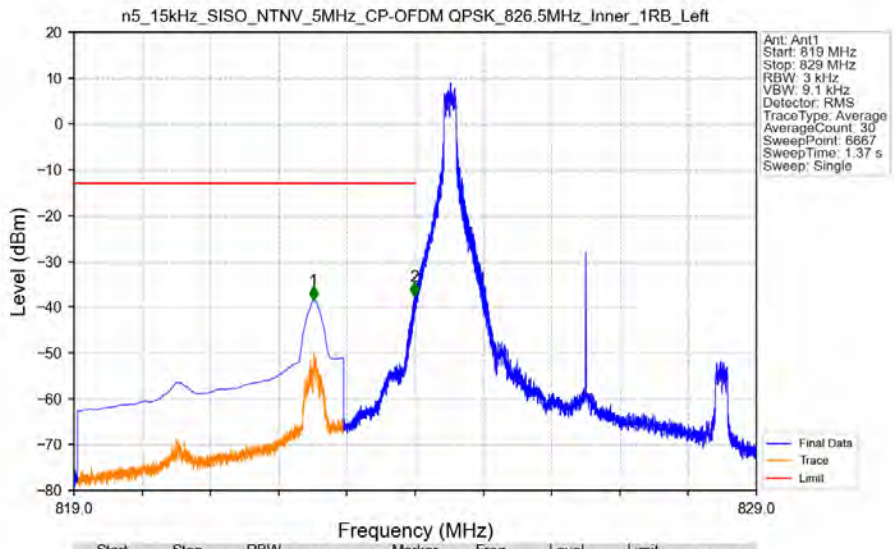

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.507	-38.58	-13	Pass
823	824	0.003	/	2	823.992	-37.63	-13	Pass
824	829	0.003	/	/	/	/	/	/

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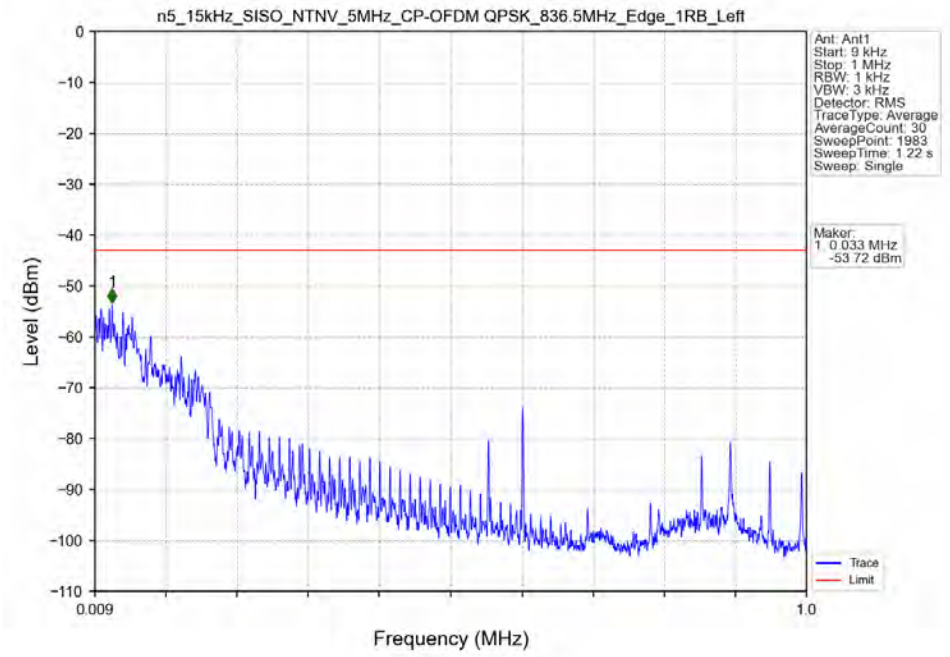

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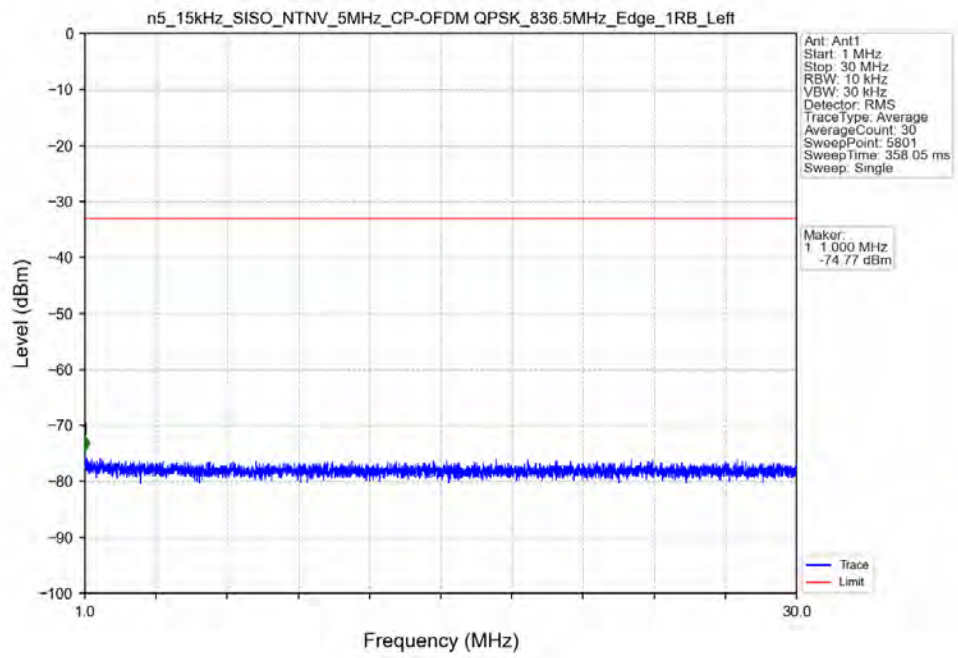
n5_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_836.5MHz_Edge_1RB_Left



n5_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_836.5MHz_Edge_1RB_Left

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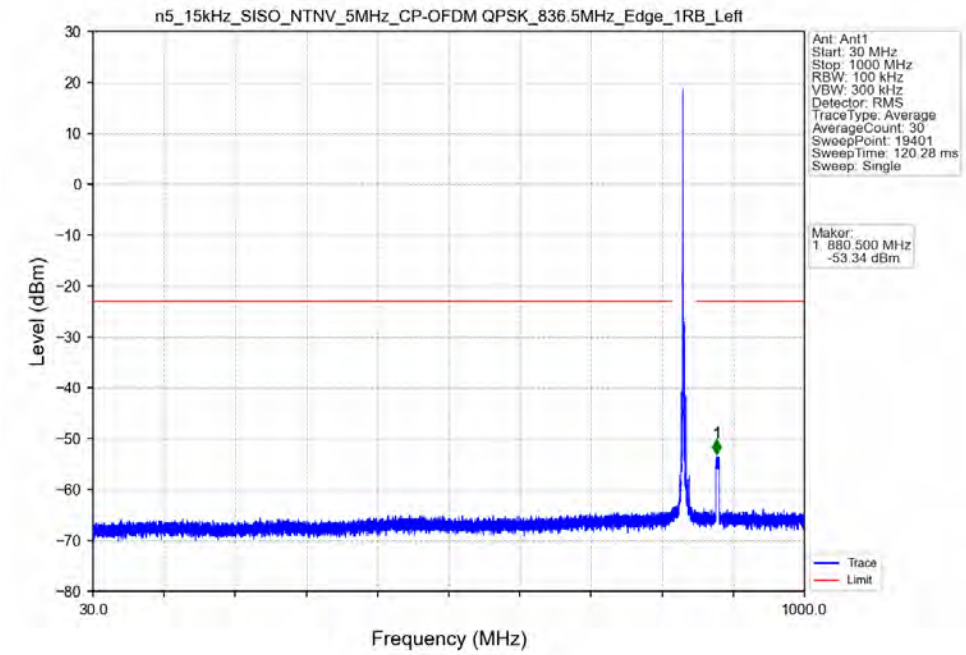

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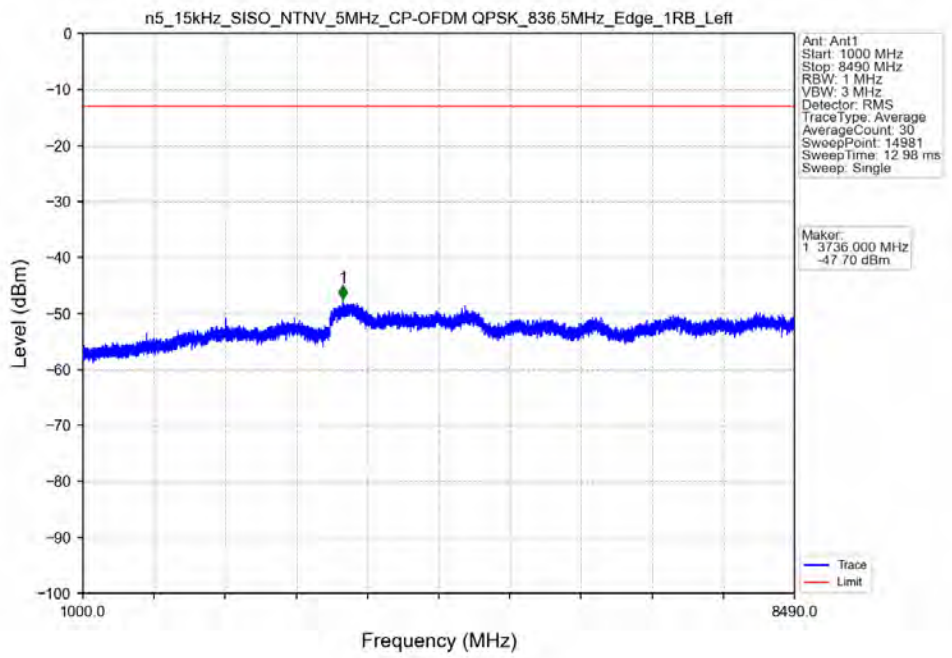

n5_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_846.5MHz_Edge_1RB_Right

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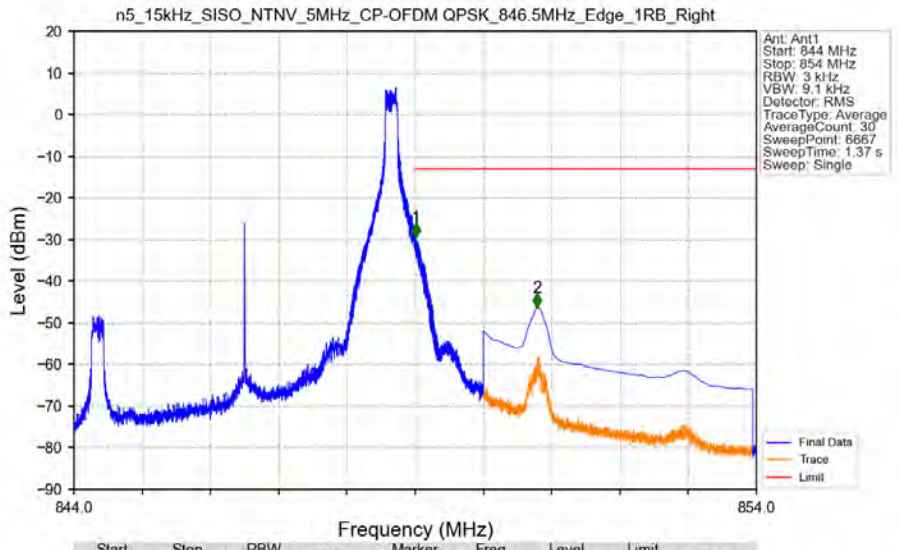

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.008	-29.46	-13	Pass
850	854	0.1	CHP	2	850.787	-46.37	-13	Pass

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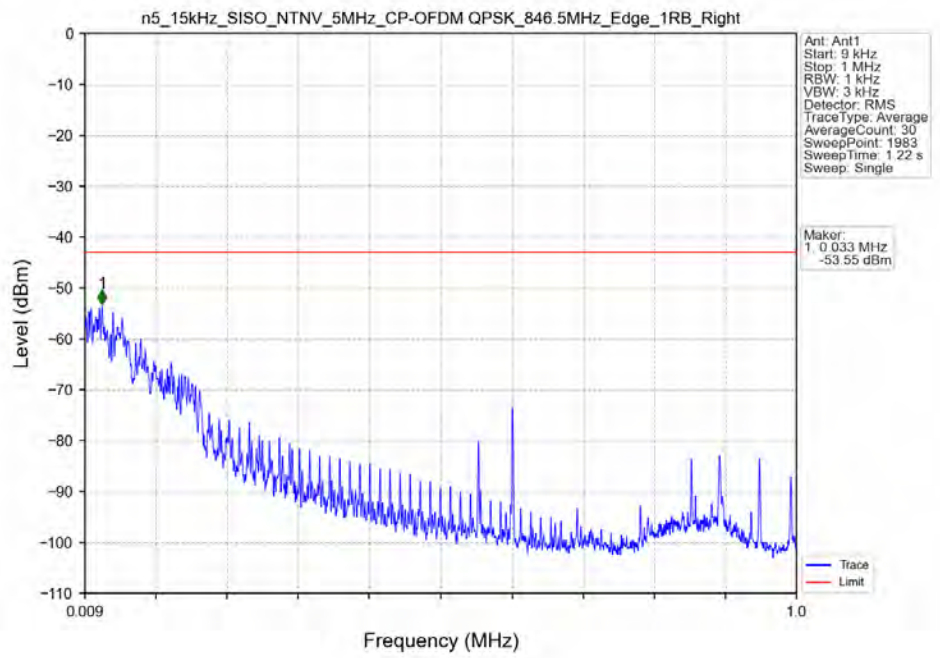

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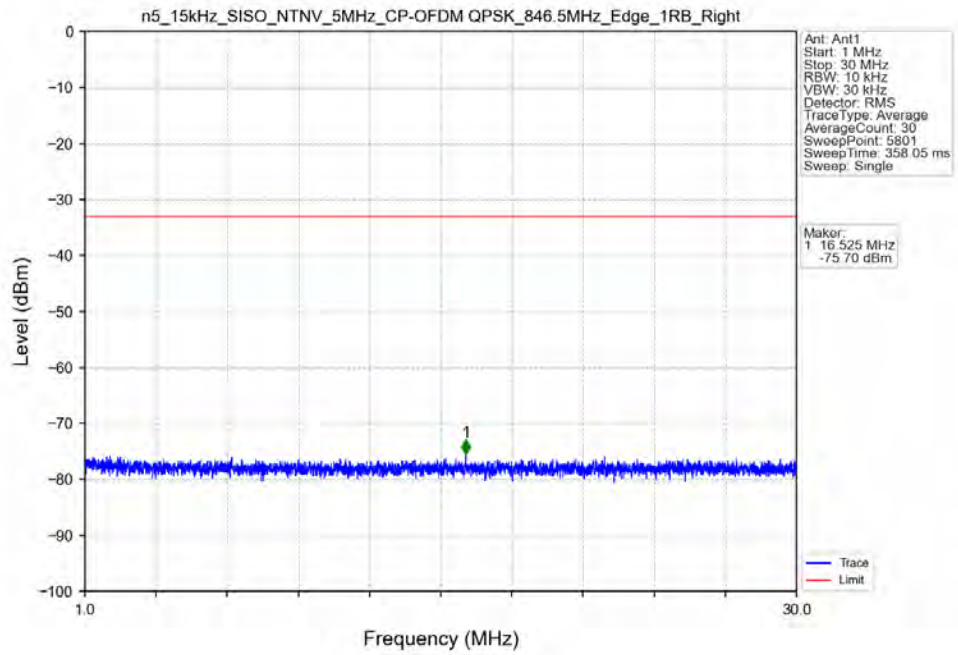

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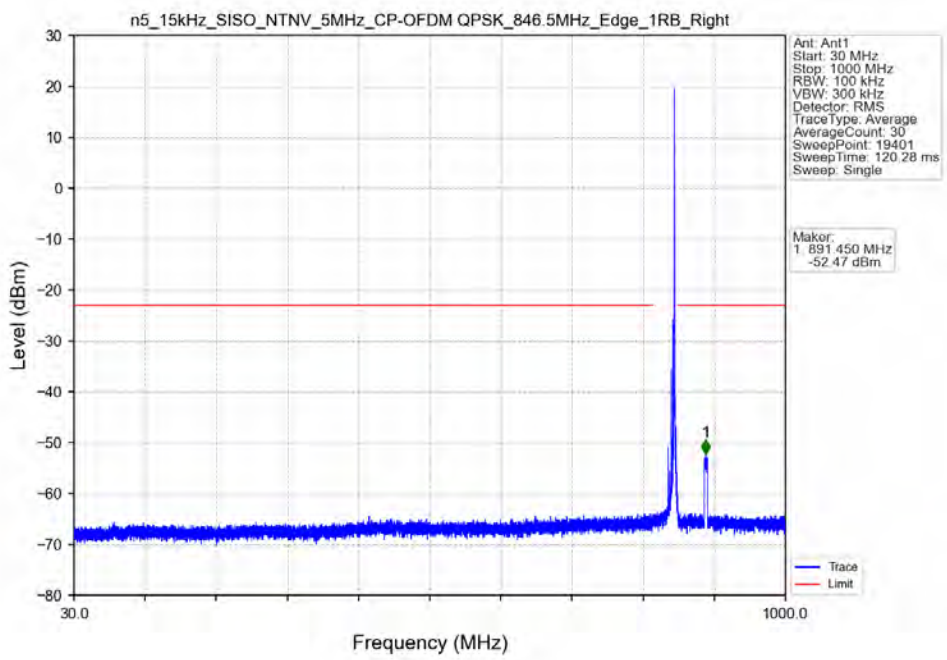

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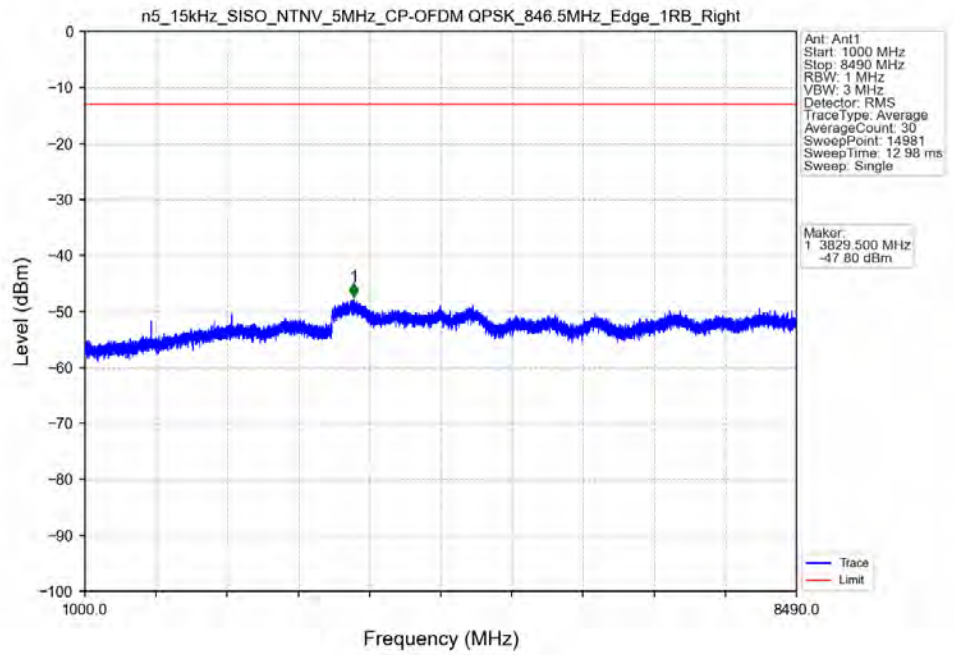

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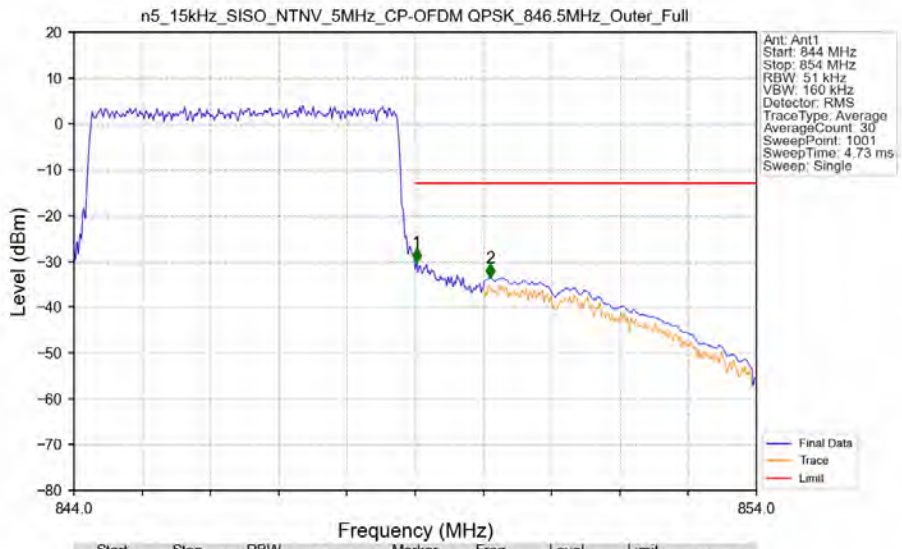

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	/	/	/	/	/	/
849	850	0.051	/	1	849.020	-30.30	-13	Pass
850	854	0.1	CHP	2	850.100	-33.57	-13	Pass

n5_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_846.5MHz_Inner_1RB_Right

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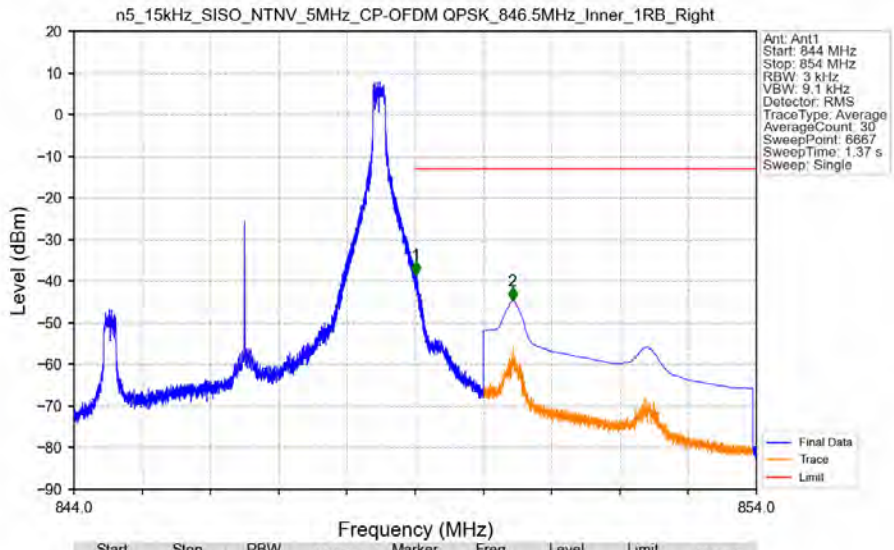

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.009	-38.64	-13	Pass
850	854	0.1	CHP	2	850.425	-44.82	-13	Pass

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5.2 15k_SISO_10MHz_NTNV

5.2.1 Test Result

5G NR n5 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	829	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	836.5	Edge_1RB_Left	Refer To Test Graph				Pass
	844	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	829	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	836.5	Edge_1RB_Left	Refer To Test Graph				Pass
	844	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	829	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	836.5	Edge_1RB_Left	Refer To Test Graph				Pass
	844	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass

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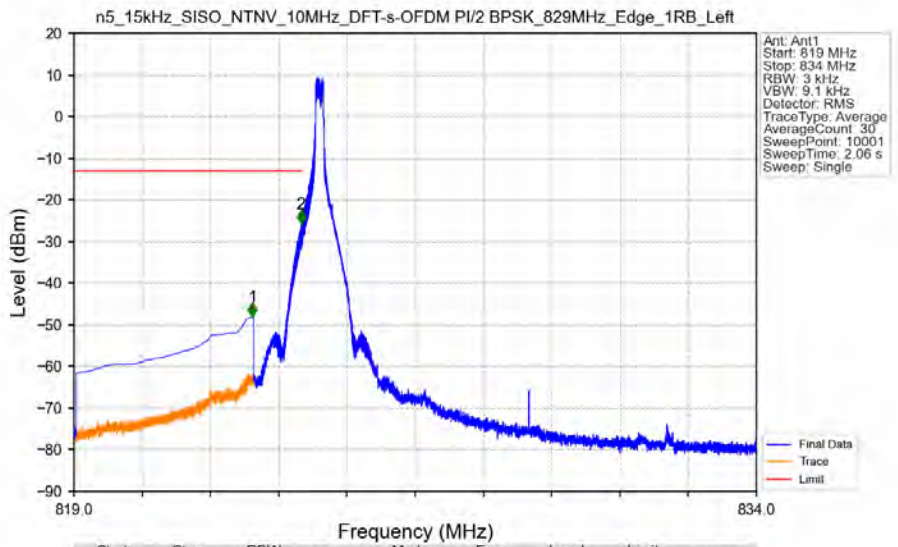
5.2.2 Test Graph

n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_829MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.927	-48.16	-13	Pass
823	824	0.003	/	2	823.994	-25.75	-13	Pass
824	834	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_829MHz_Edge_1RB_Left

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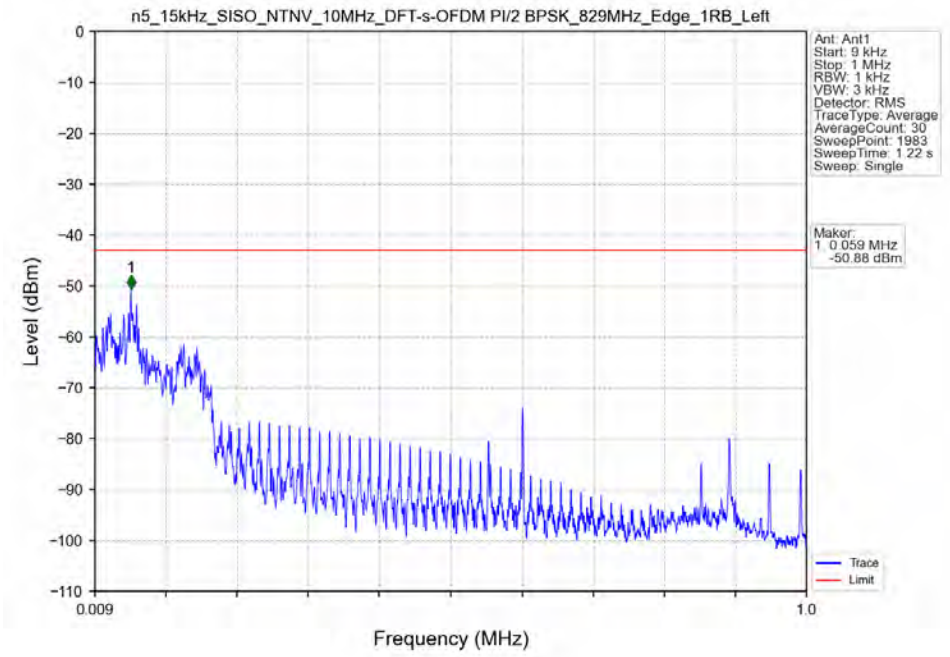

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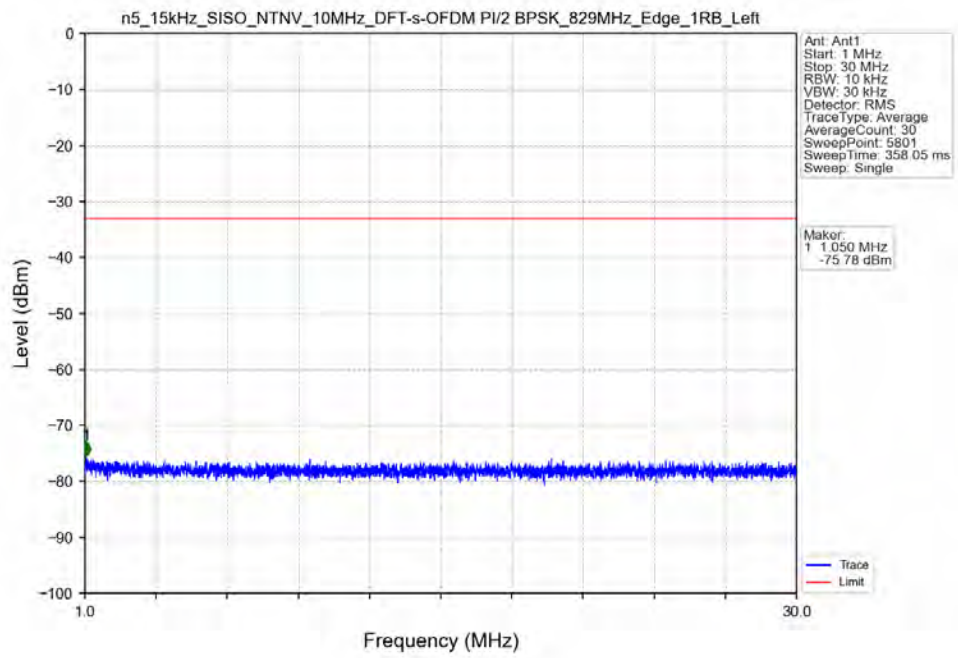
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_829MHz_Edge_1RB_Left



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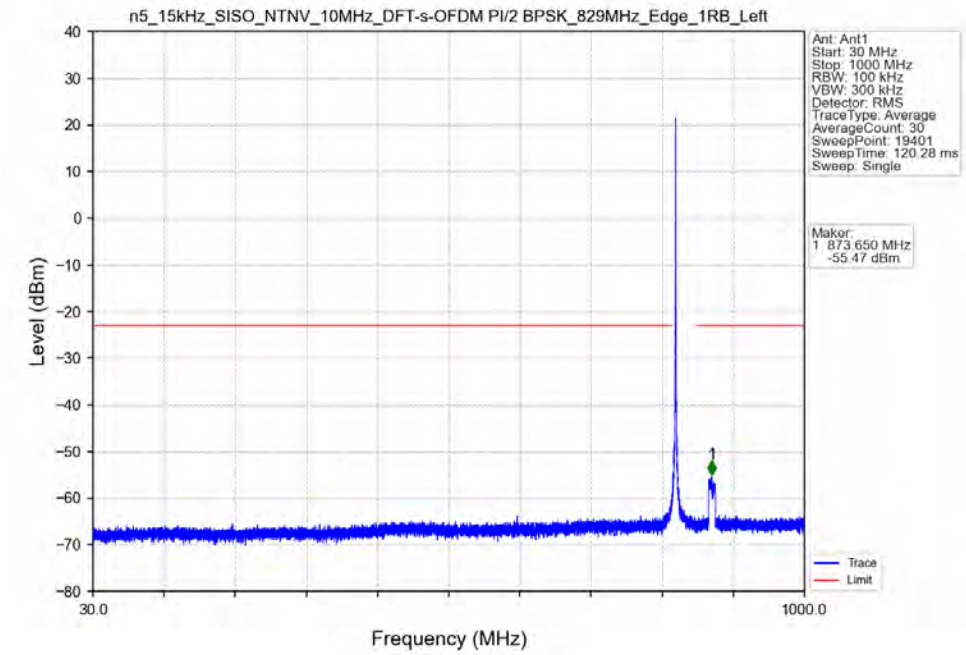

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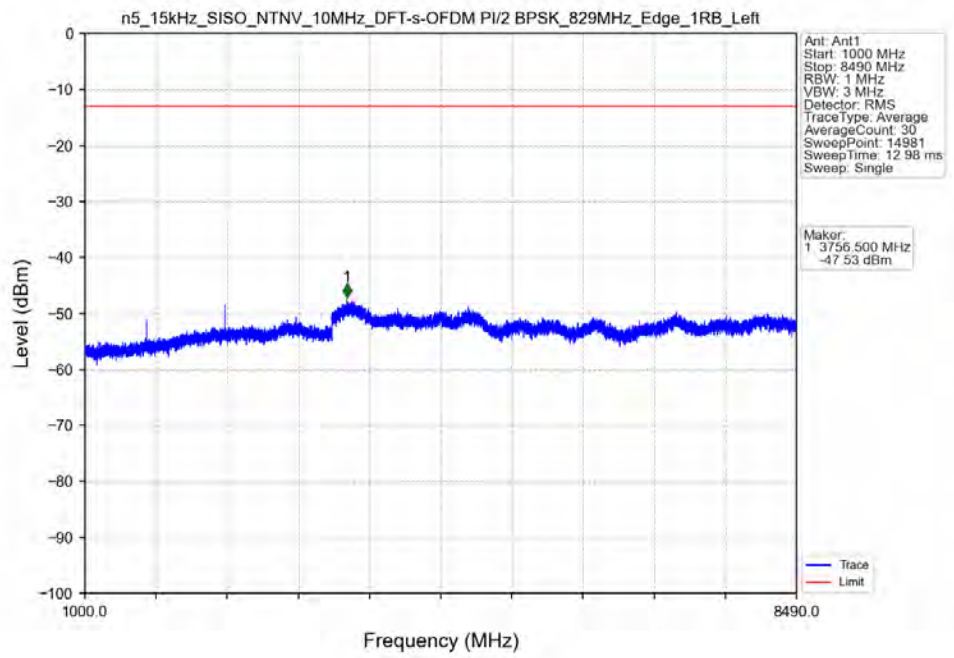

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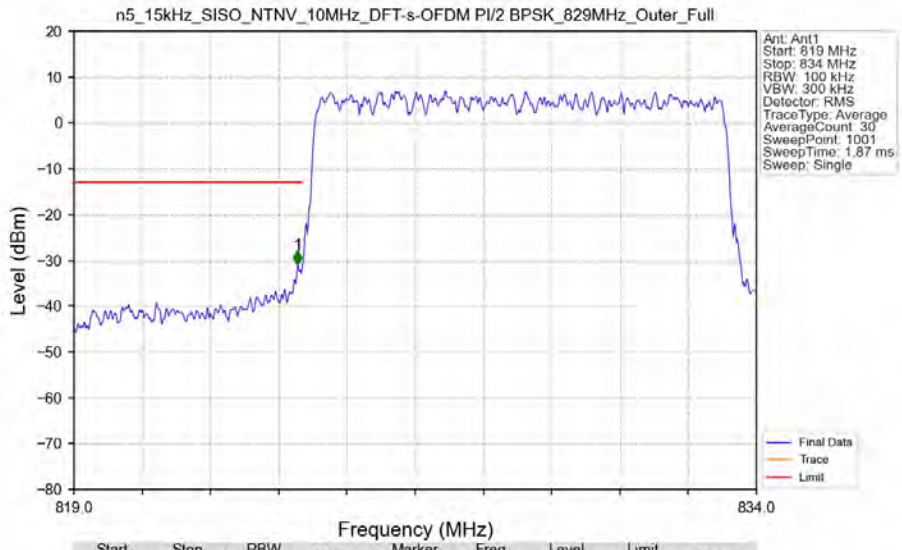

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.1	/	1	823.920	-31.00	-13	Pass
824	834	0.1	/	/	/	/	/	/

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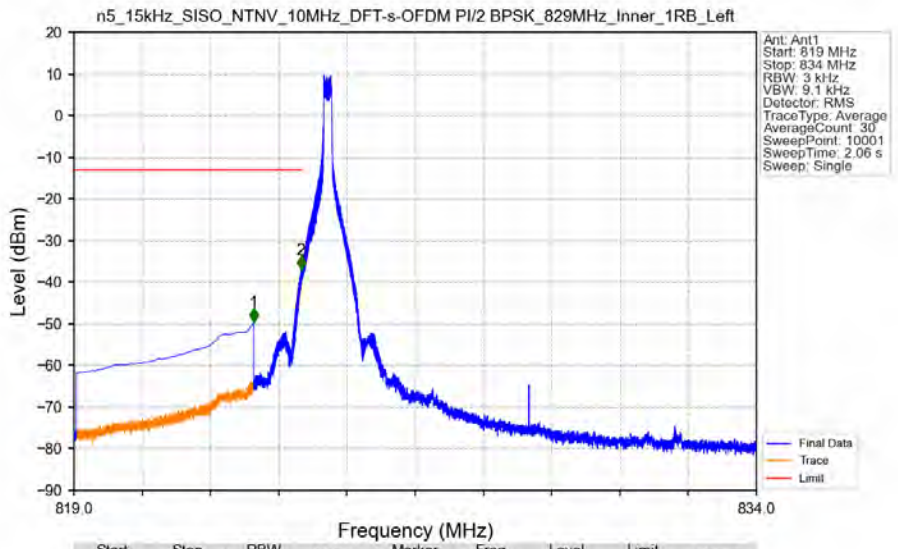

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.949	-49.73	-13	Pass
823	824	0.003	/	2	823.994	-37.13	-13	Pass
824	834	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Edge_1RB_Left

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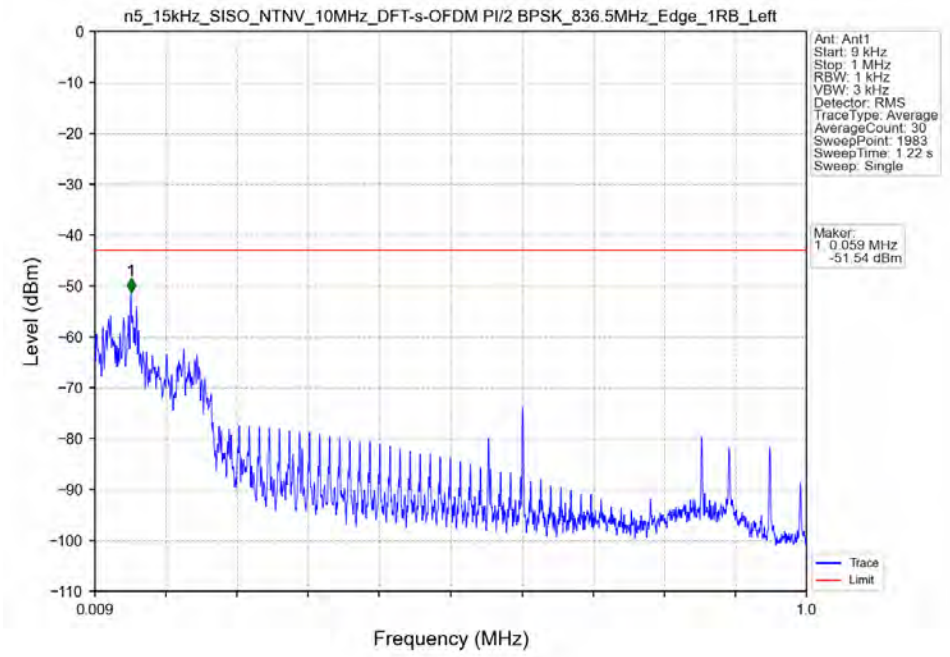

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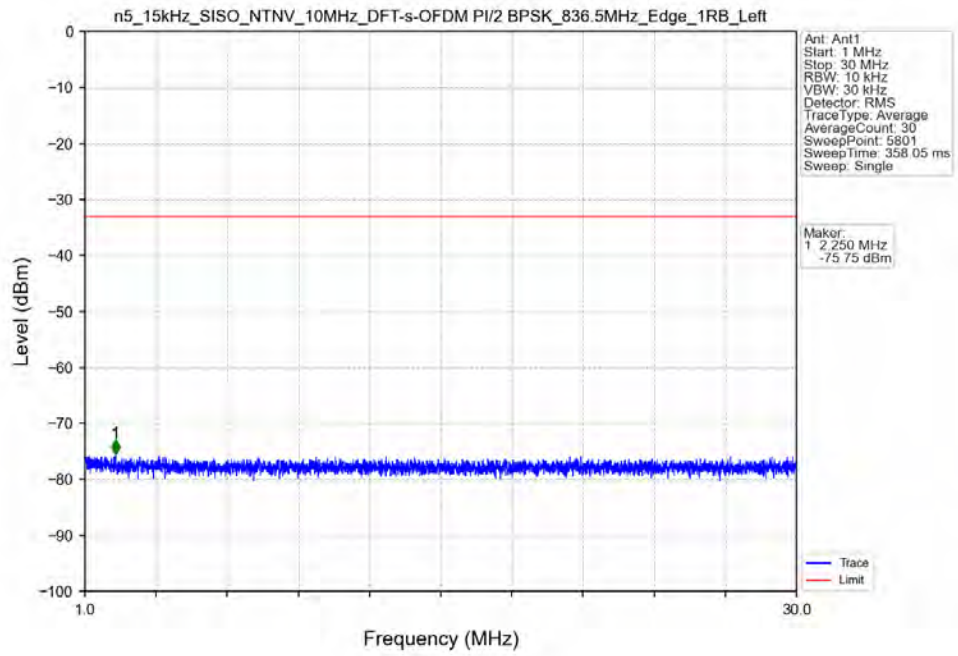

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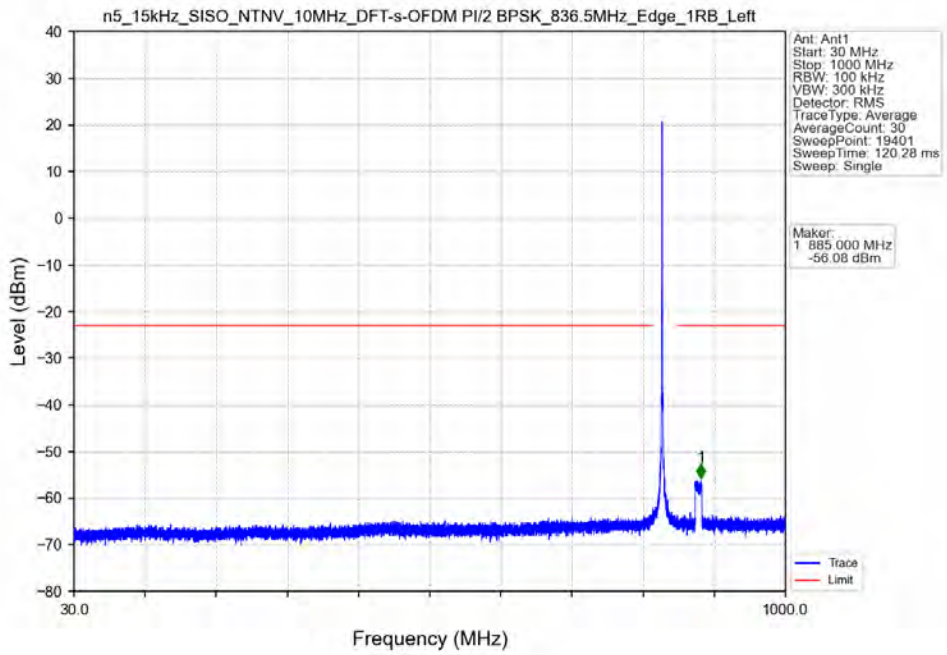

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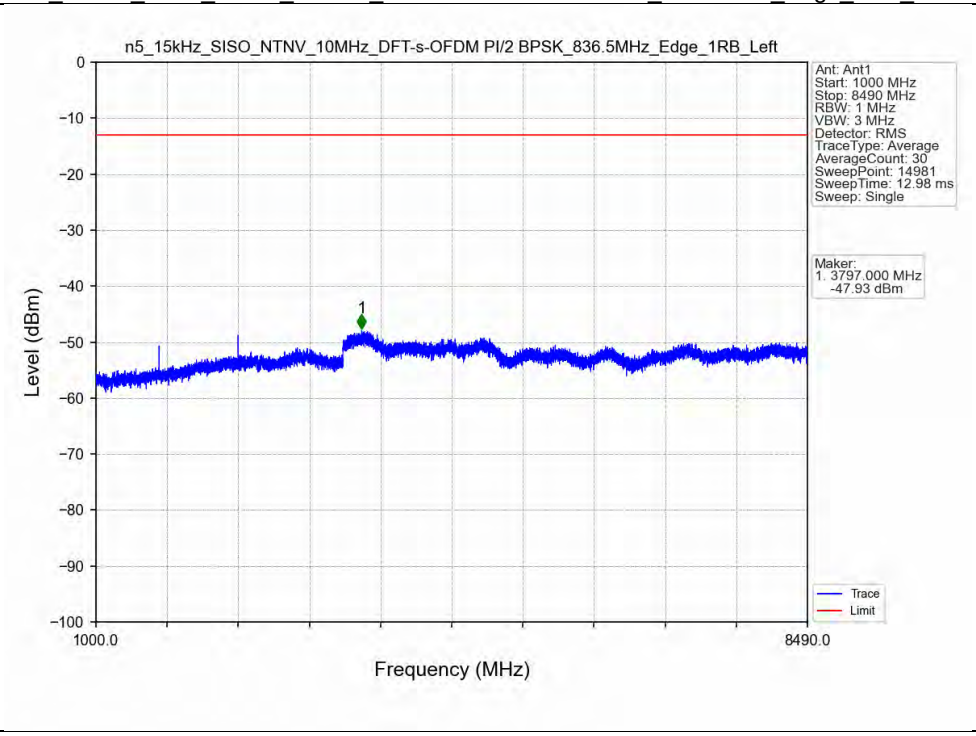

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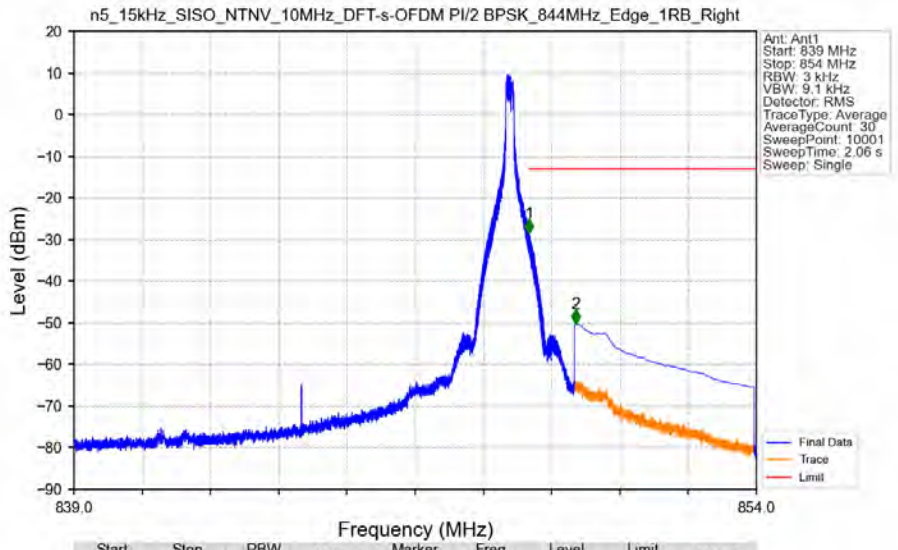

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.006	-28.53	-13	Pass
850	854	0.1	CHP	2	850.033	-50.26	-13	Pass

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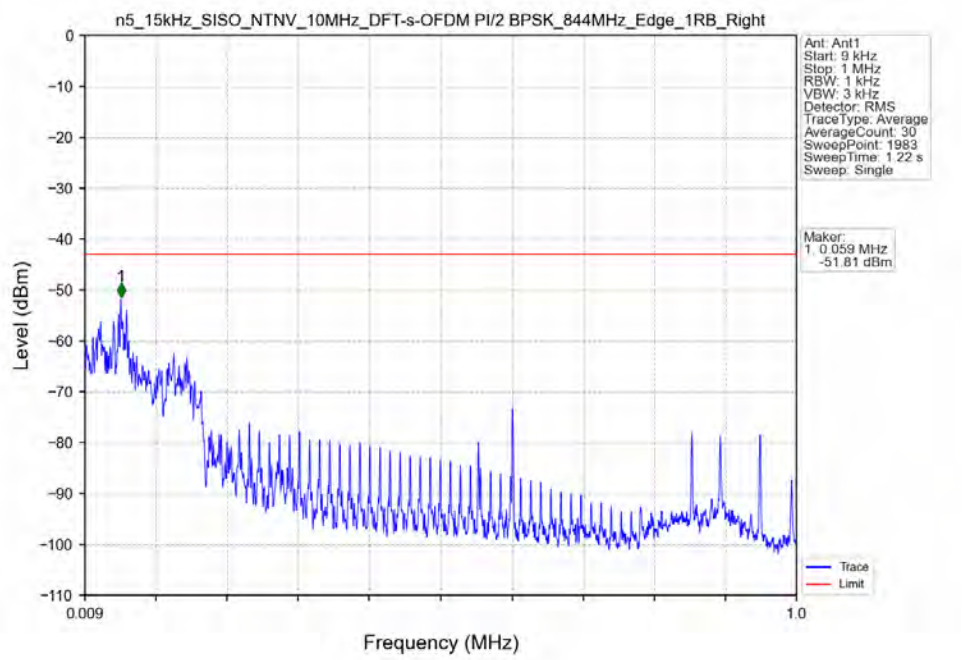

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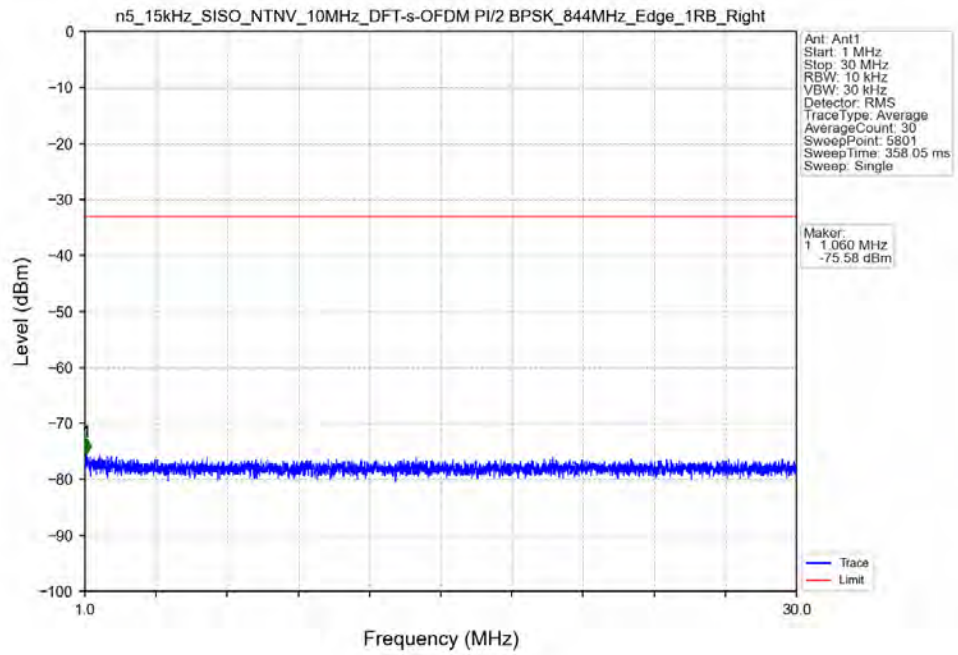

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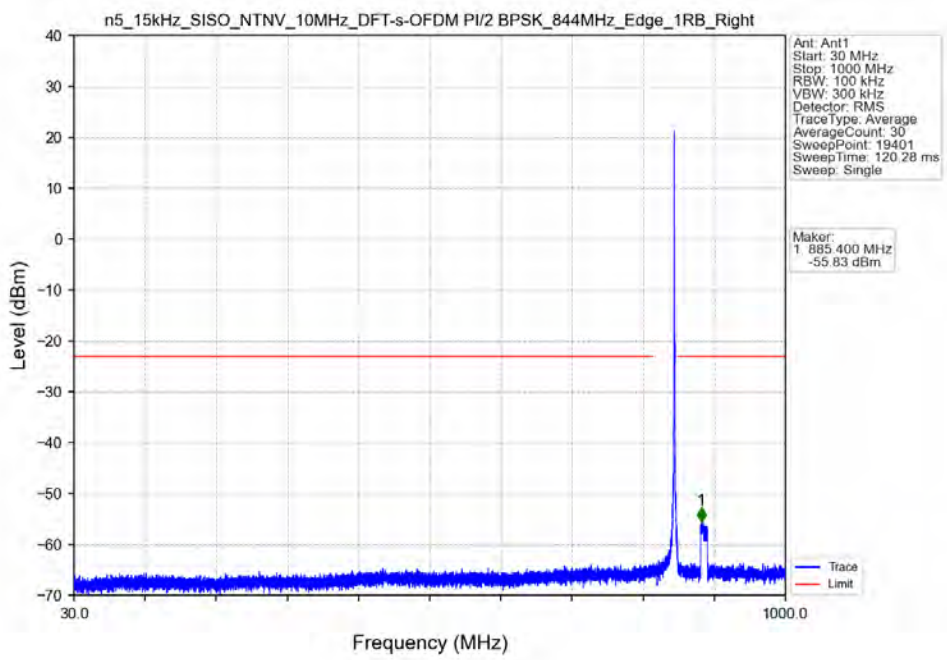
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_844MHz_Edge_1RB_Right



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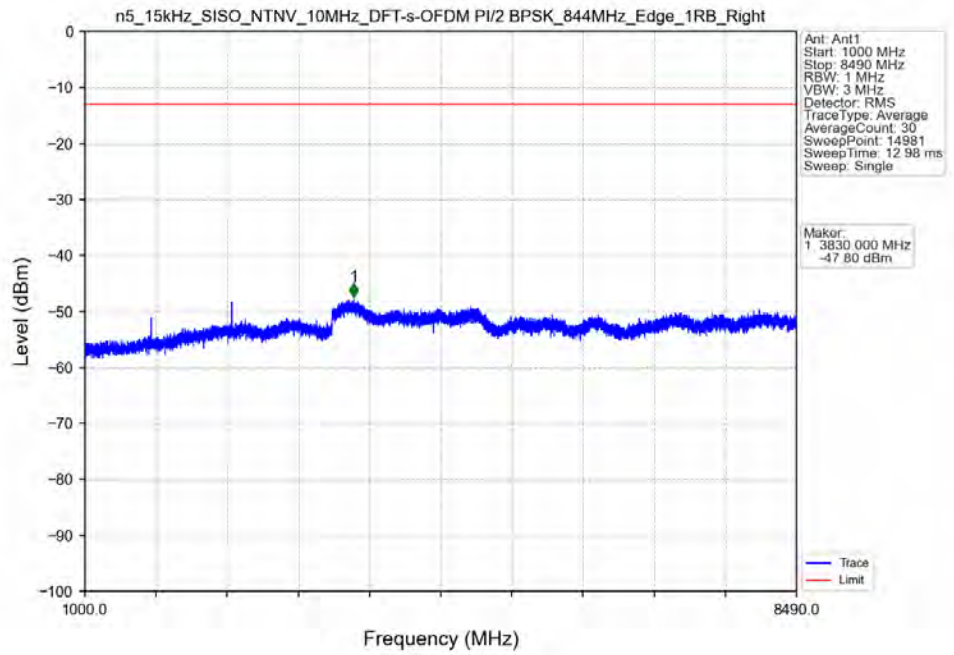

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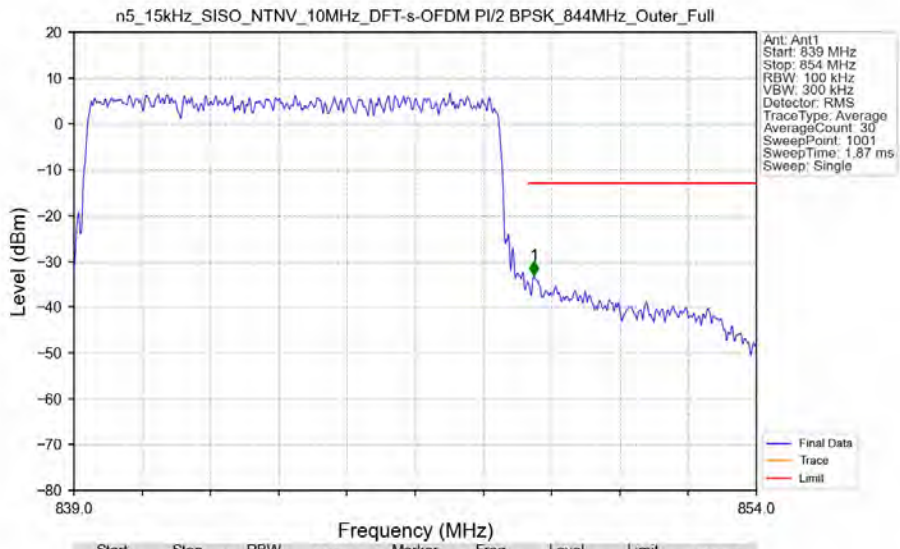
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_844MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	854	0.1	/	1	849.110	-33.10	-13	Pass

n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_844MHz_Inner_1RB_Right

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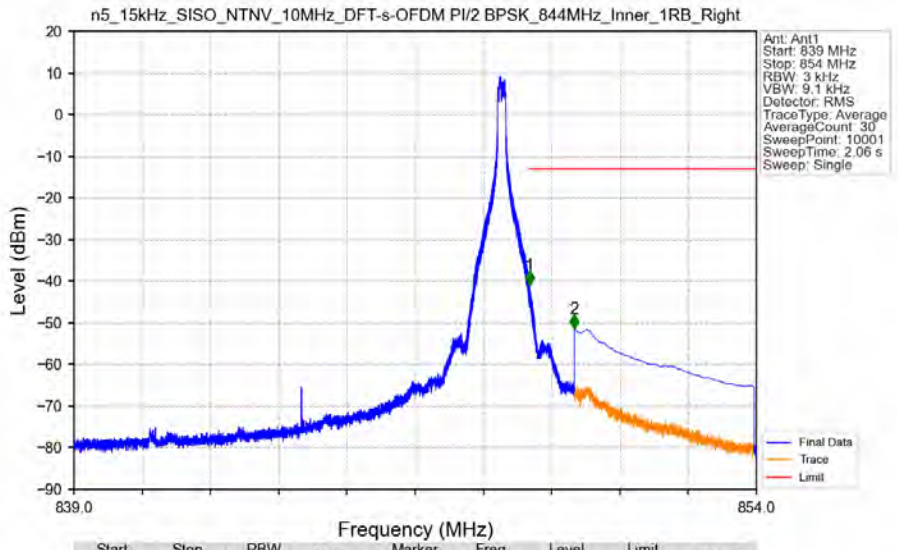

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.010	-40.86	-13	Pass
850	854	0.1	CHP	2	850.001	-51.42	-13	Pass

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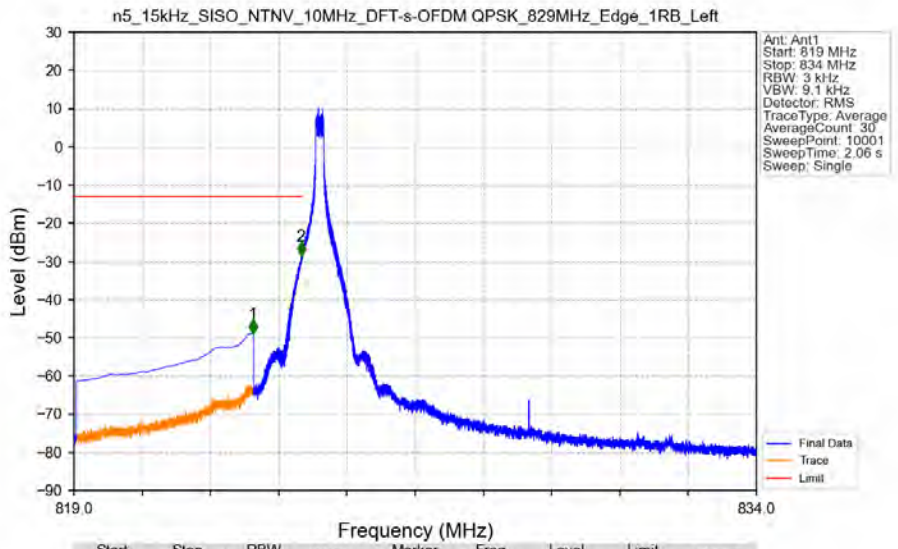

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.932	-48.92	-13	Pass
823	824	0.003	/	2	823.992	-28.62	-13	Pass
824	834	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_829MHz_Edge_1RB_Left

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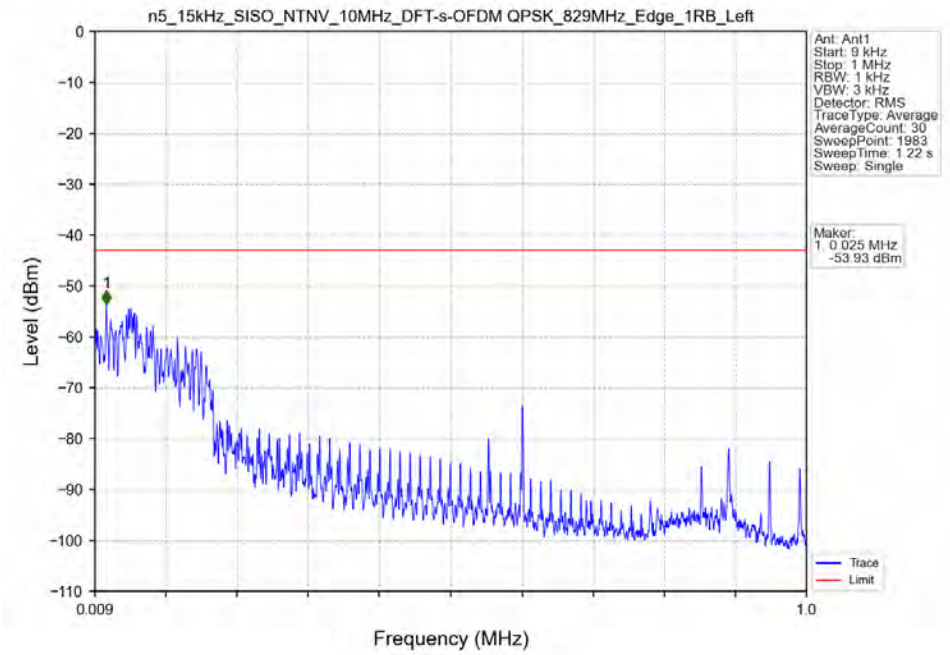

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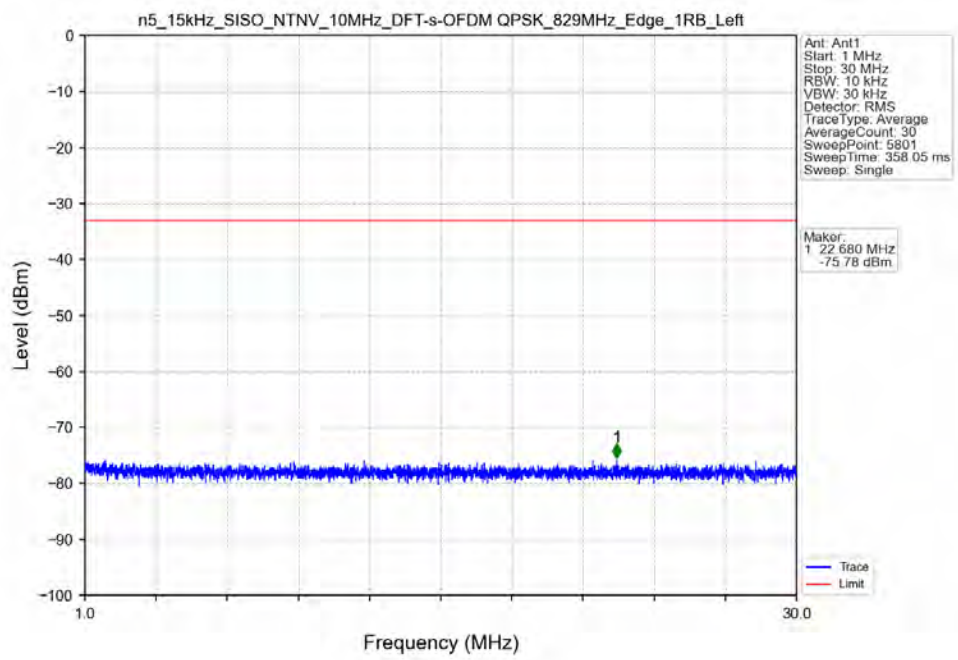

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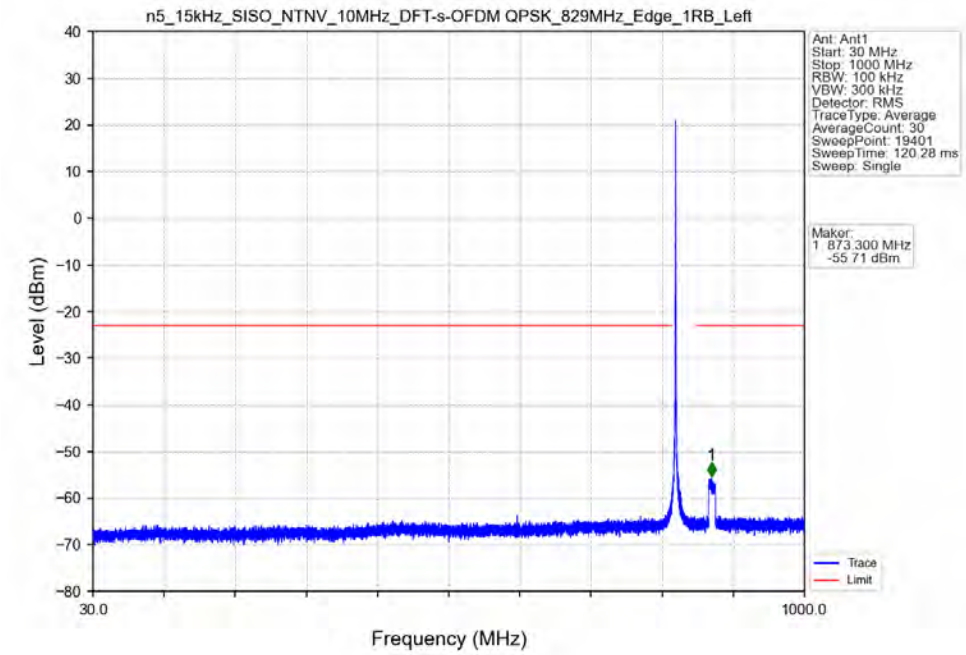

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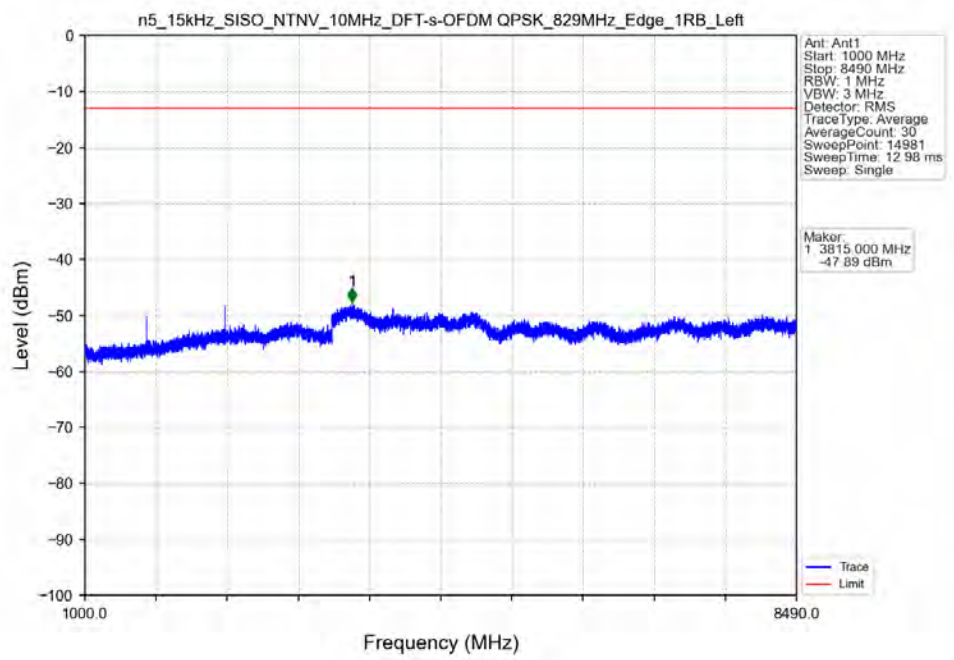

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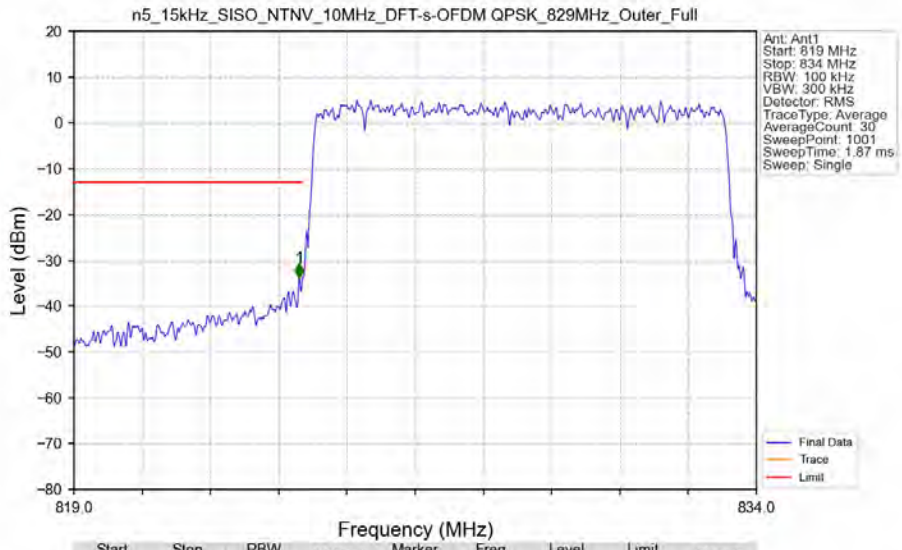

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.1	/	1	823.950	-33.80	-13	Pass
824	834	0.1	/	/	/	/	/	/

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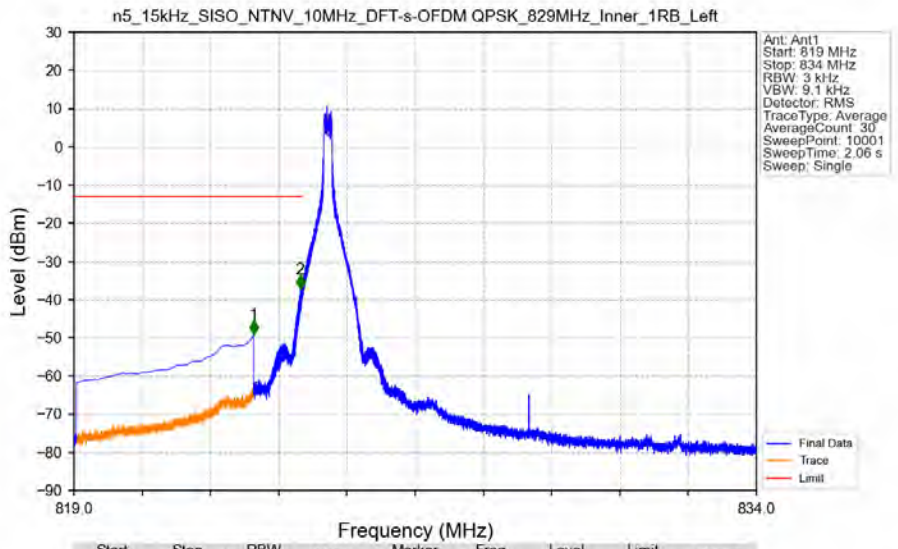

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.949	-49.24	-13	Pass
823	824	0.003	/	2	823.976	-37.36	-13	Pass
824	834	0.003	/	/	/	/	/	/

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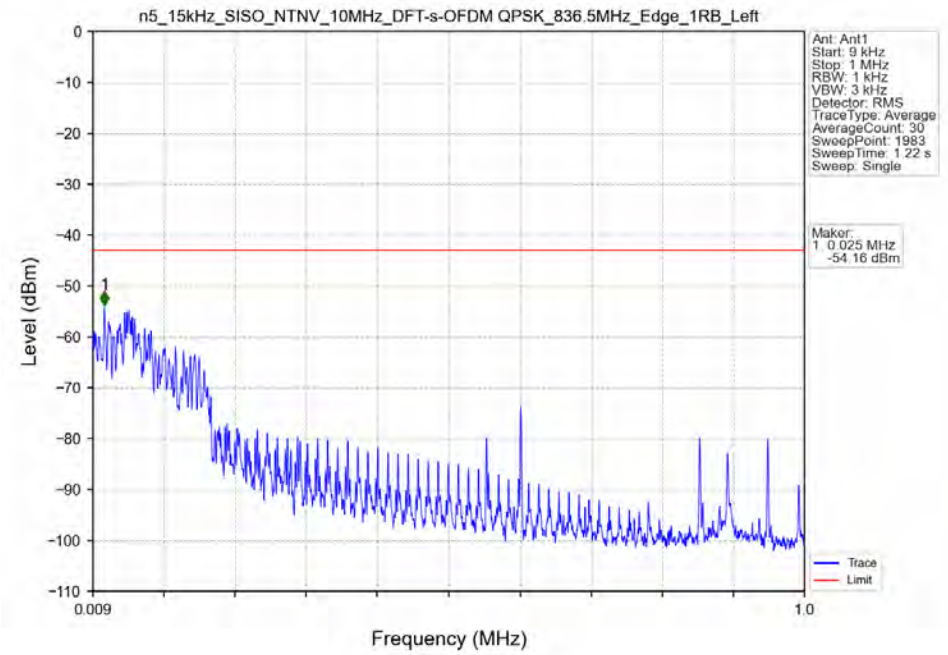

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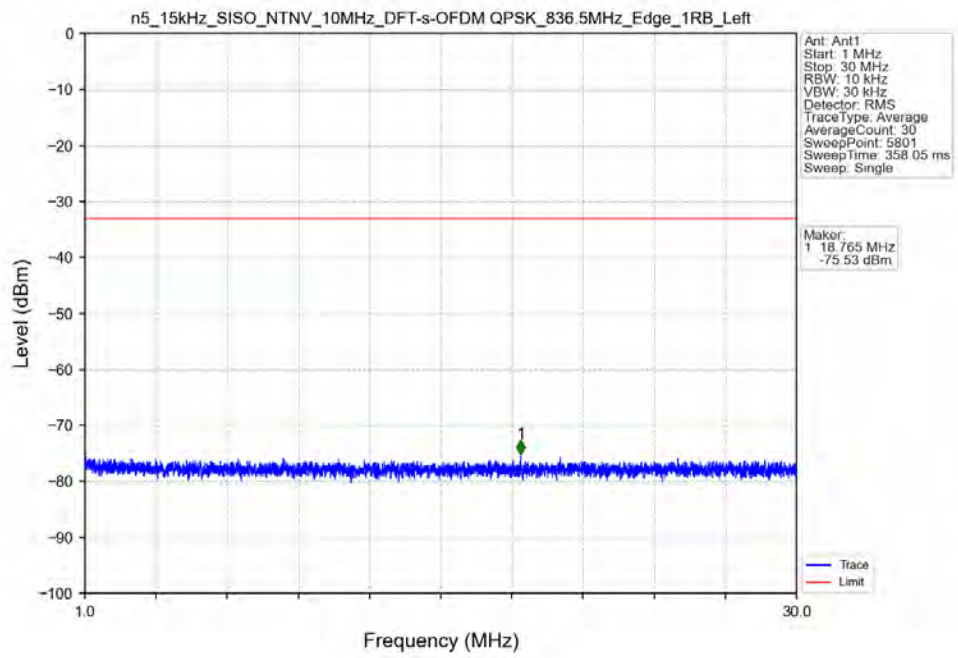
n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_836.5MHz_Edge_1RB_Left



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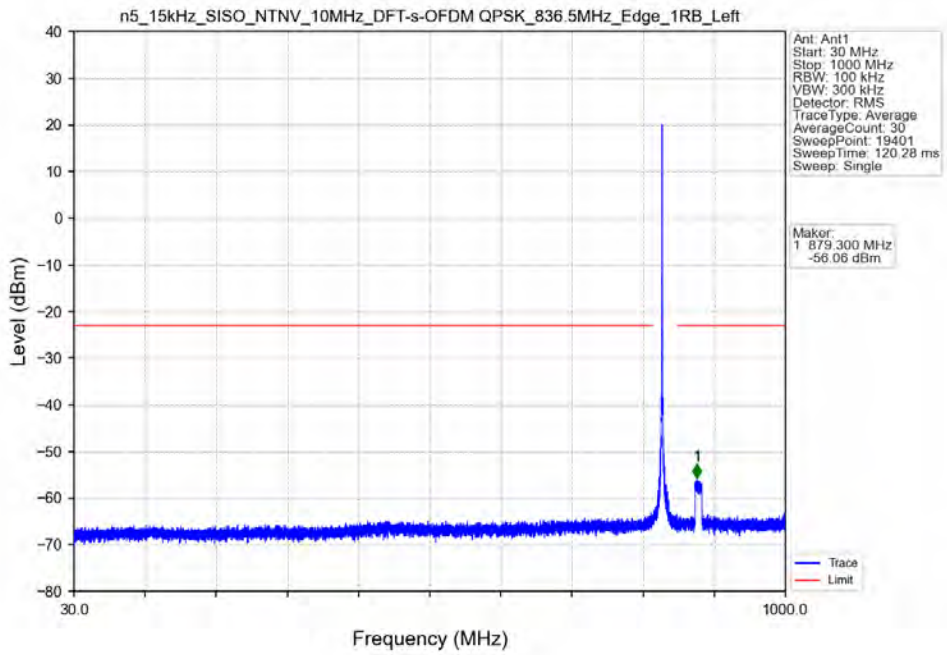

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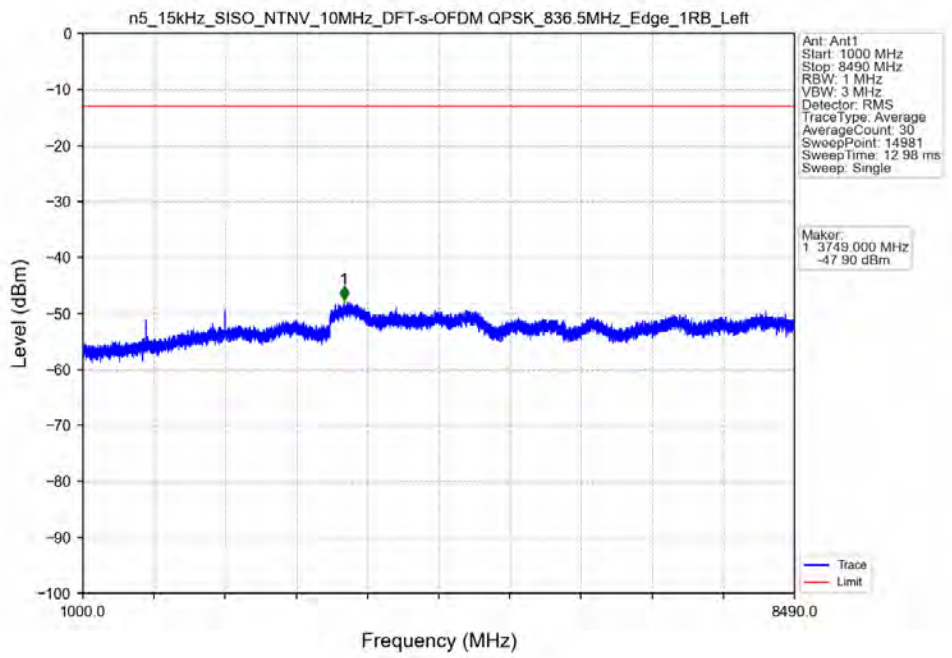

n5_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_844MHz_Edge_1RB_Right

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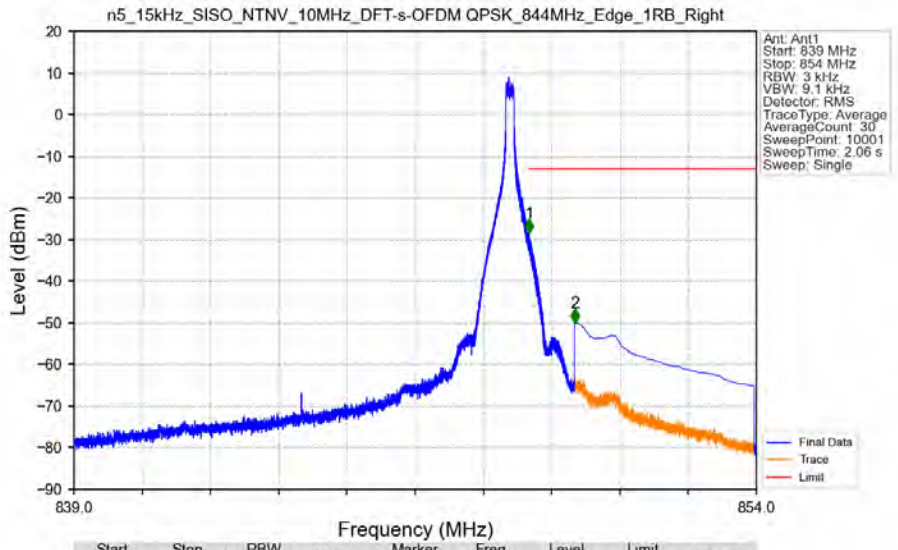

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.008	-28.58	-13	Pass
850	854	0.1	CHP	2	850.014	-50.10	-13	Pass

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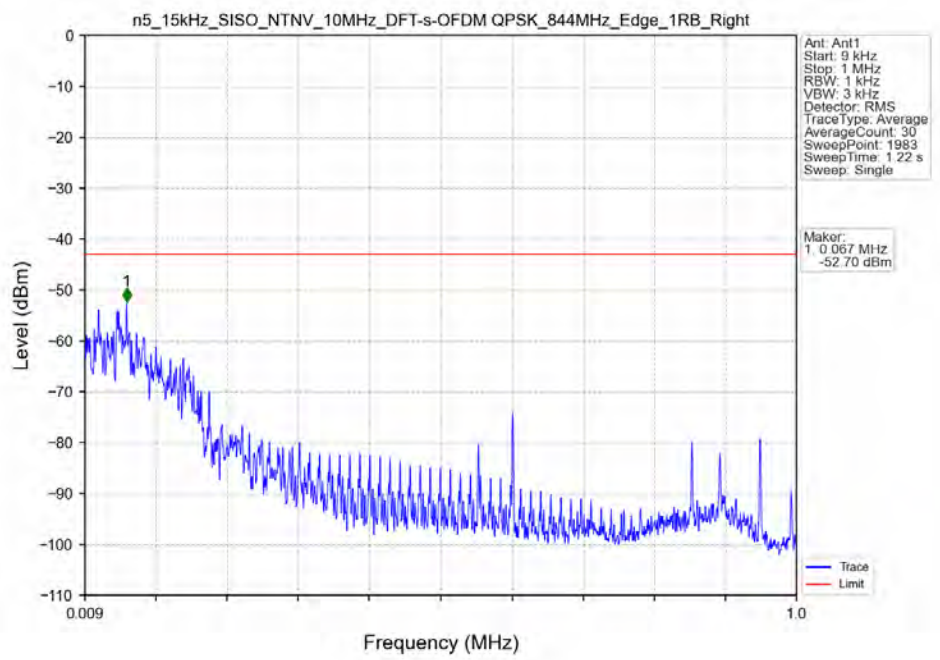

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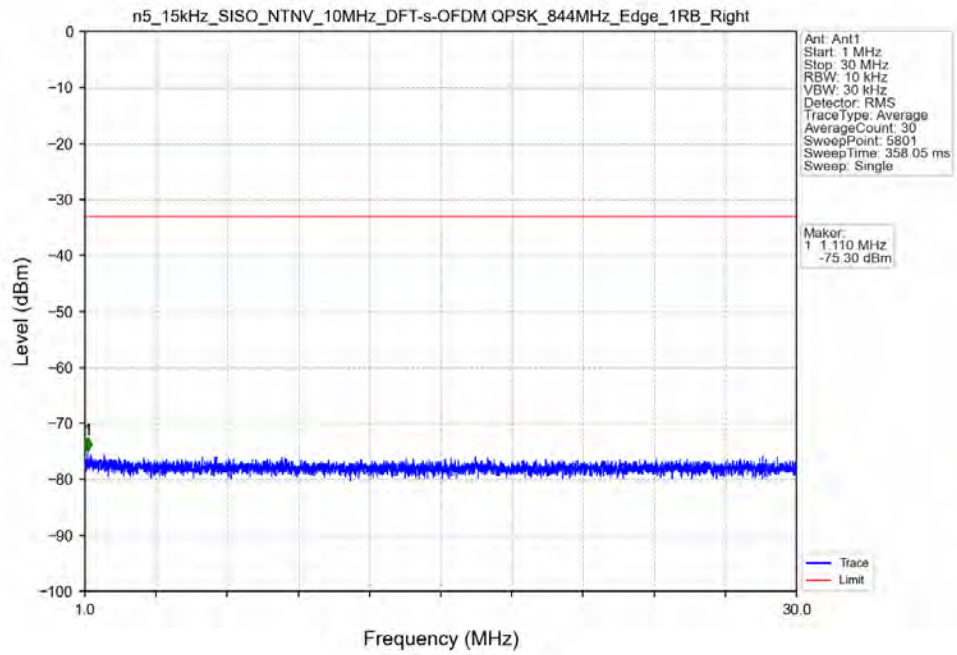

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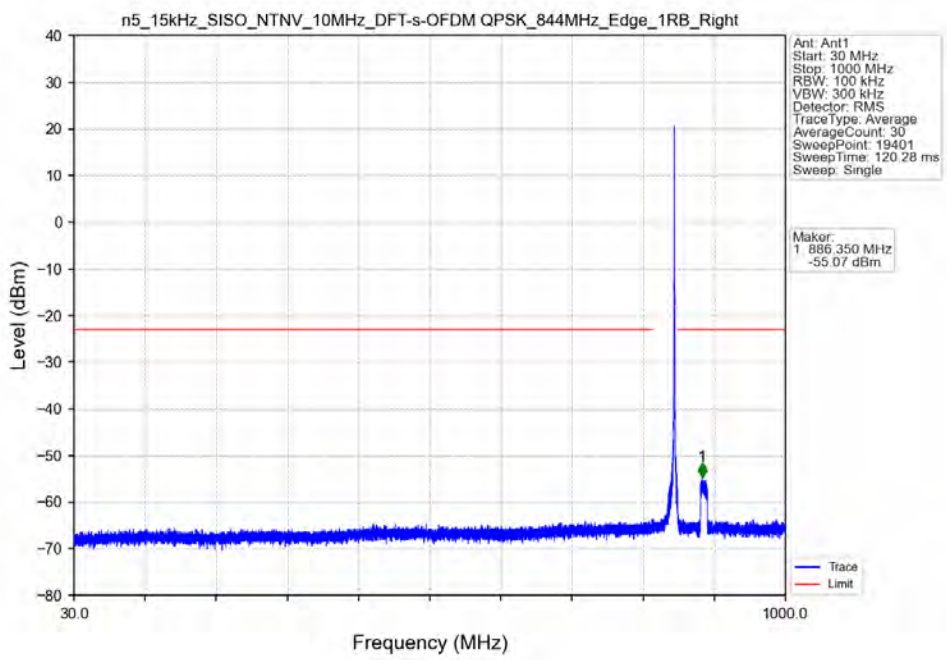

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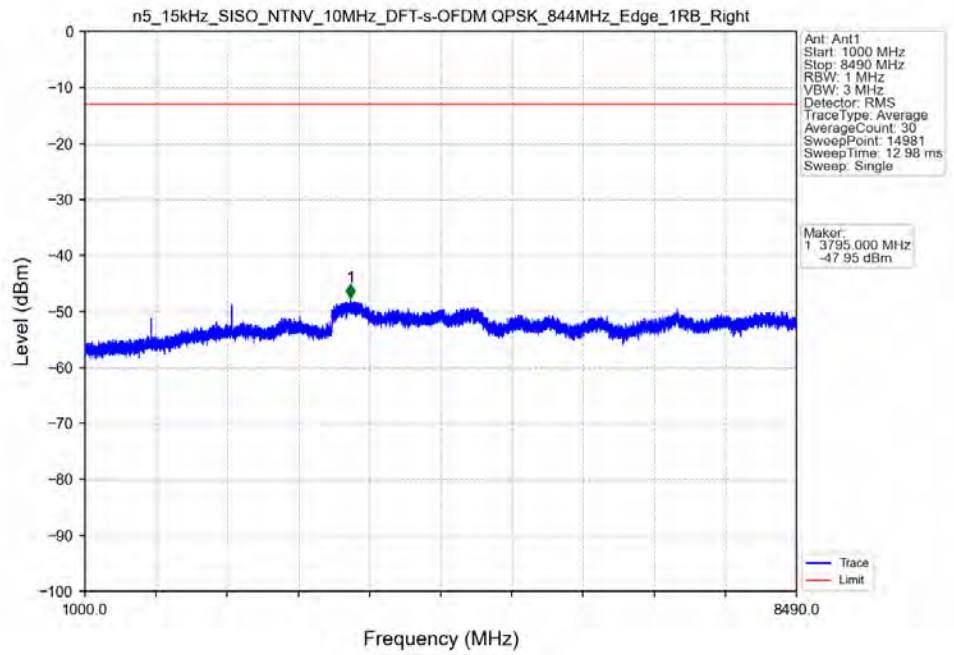

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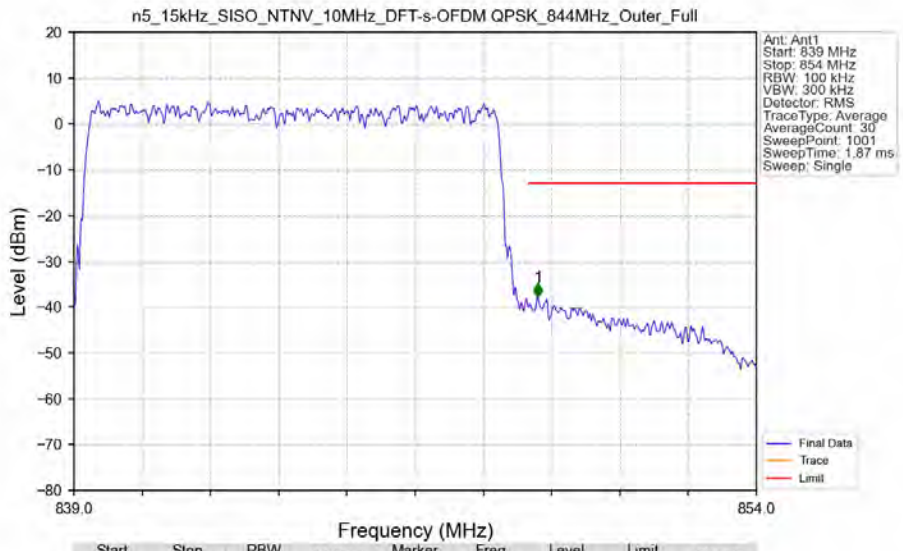

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.1	/	/	/	/	/	/
849	854	0.1	/	1	849.200	-37.88	-13	Pass

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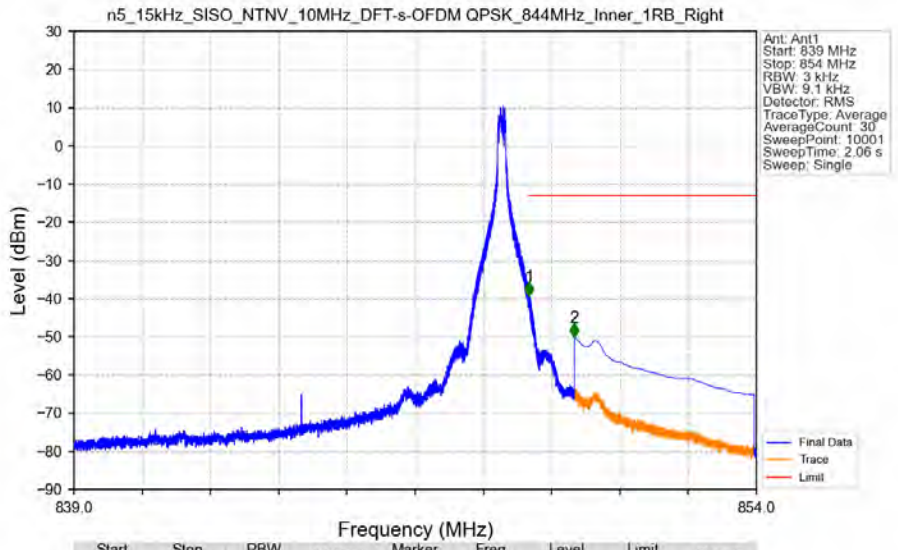

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.008	-39.41	-13	Pass
850	854	0.1	CHP	2	850.001	-50.16	-13	Pass

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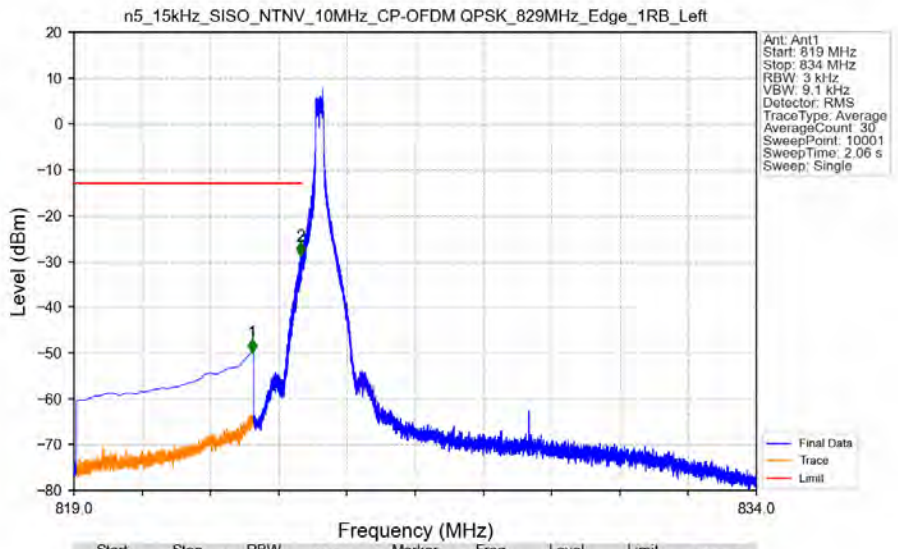

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.918	-49.94	-13	Pass
823	824	0.003	/	2	823.979	-28.85	-13	Pass
824	834	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_829MHz_Edge_1RB_Left

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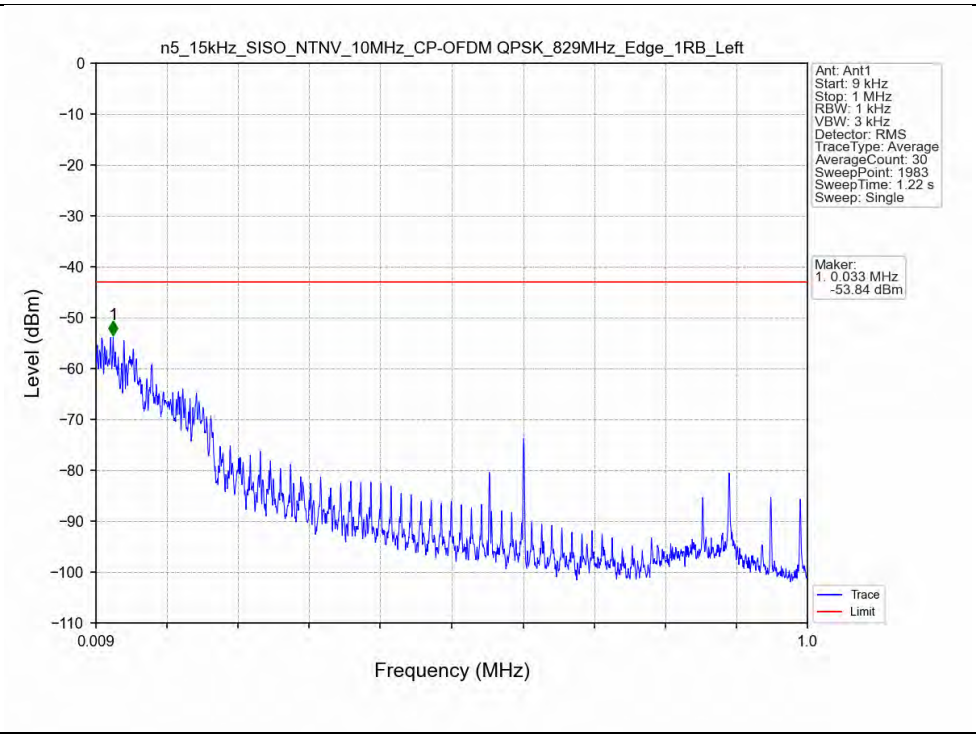

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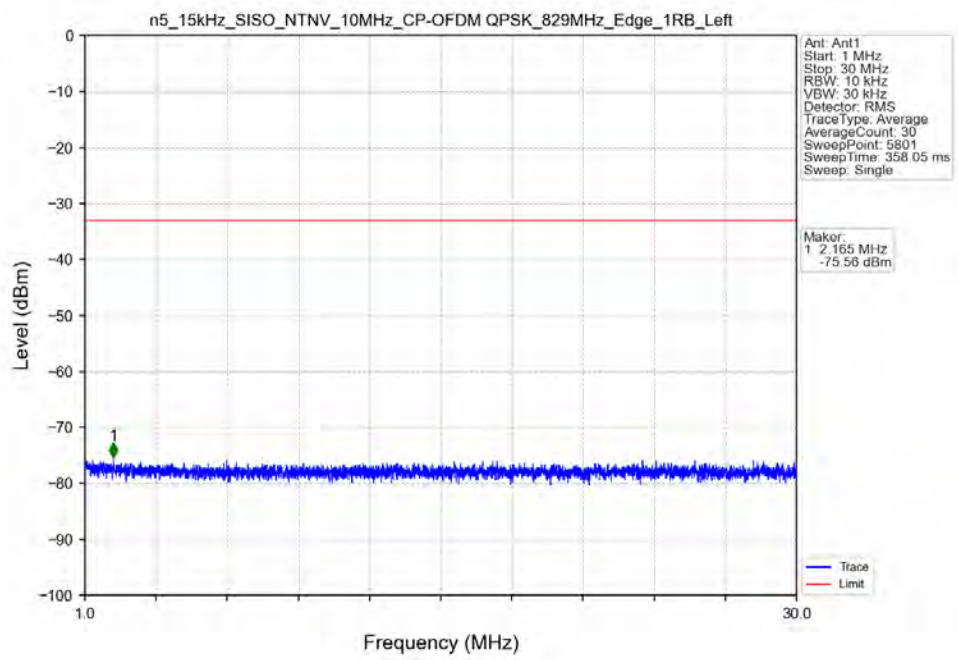

n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_829MHz_Edge_1RB_Left

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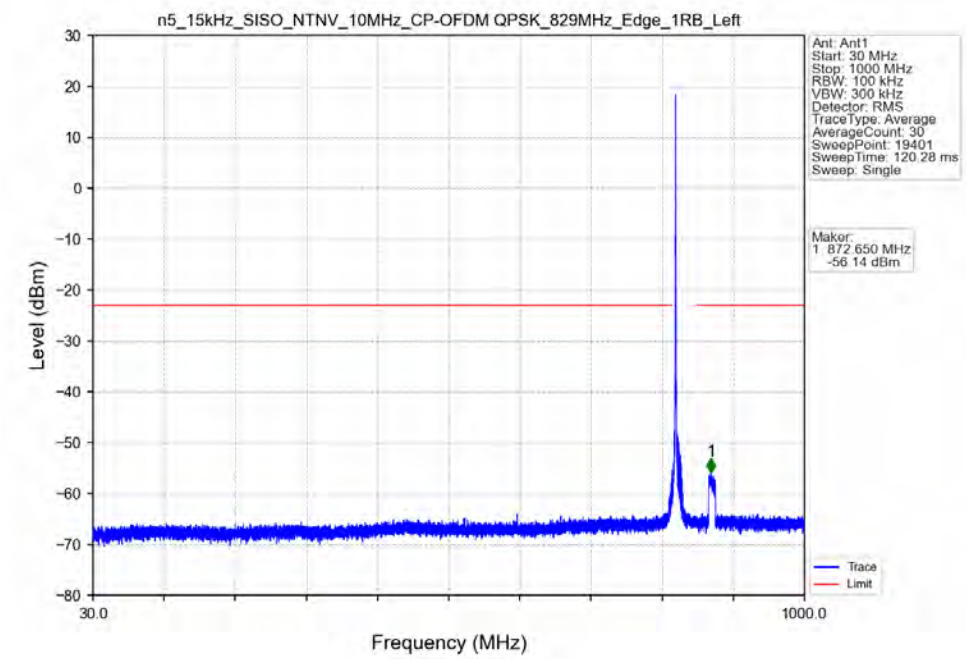

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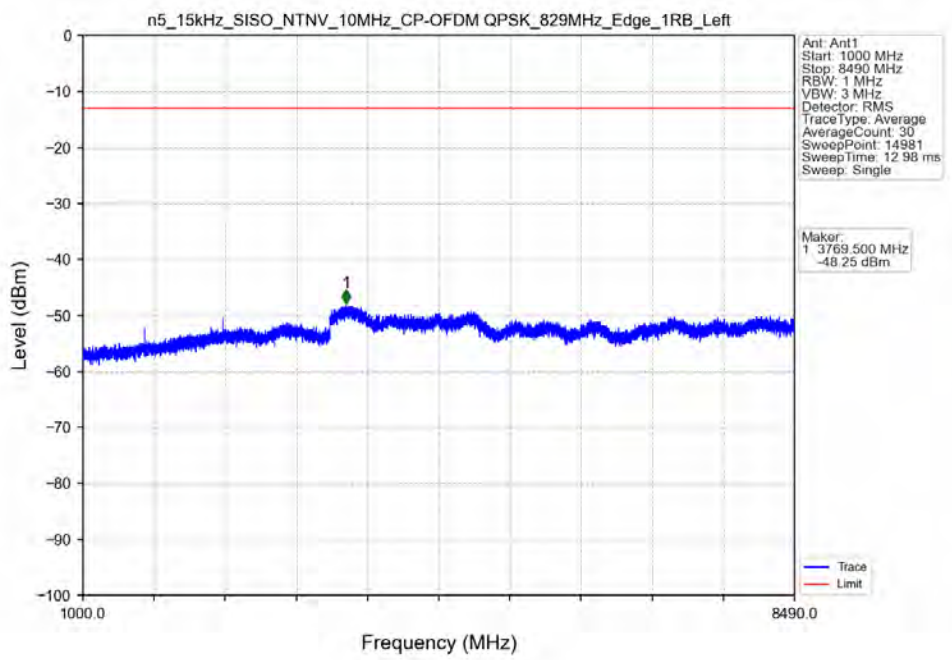
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_829MHz_Edge_1RB_Left



n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_829MHz_Outer_Full

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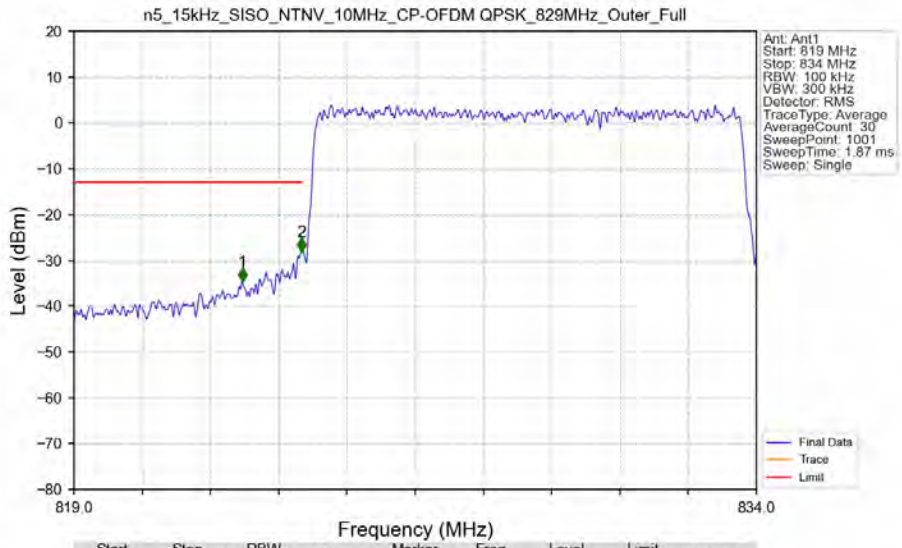

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	/	1	822.705	-34.67	-13	Pass
823	824	0.102	/	2	823.995	-28.15	-13	Pass
824	834	0.102	/	/	/	/	/	/

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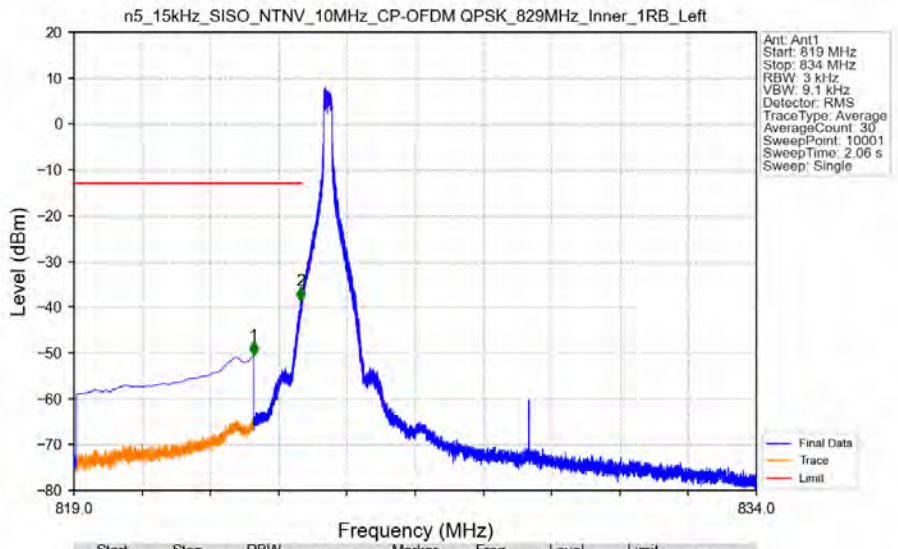
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_829MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.949	-50.57	-13	Pass
823	824	0.003	/	2	823.990	-38.65	-13	Pass
824	834	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_836.5MHz_Edge_1RB_Left

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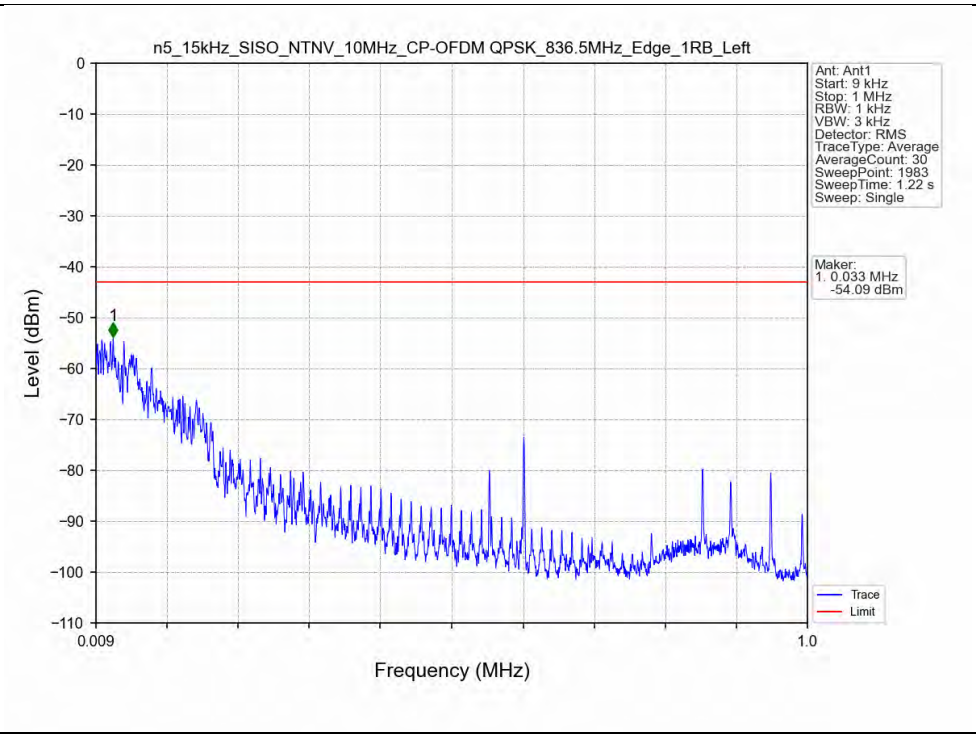

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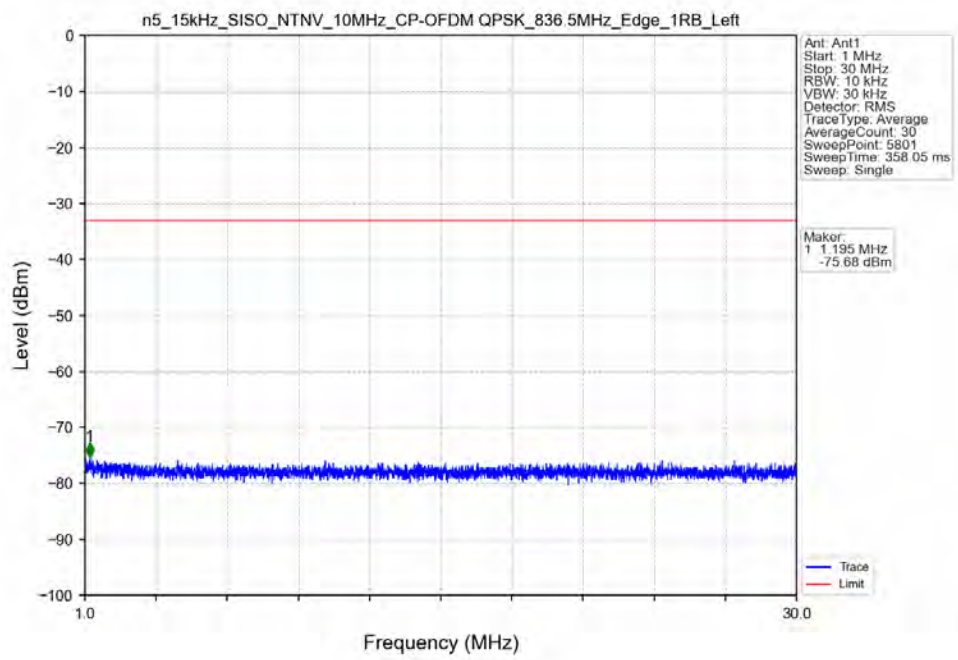
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_836.5MHz_Edge_1RB_Left



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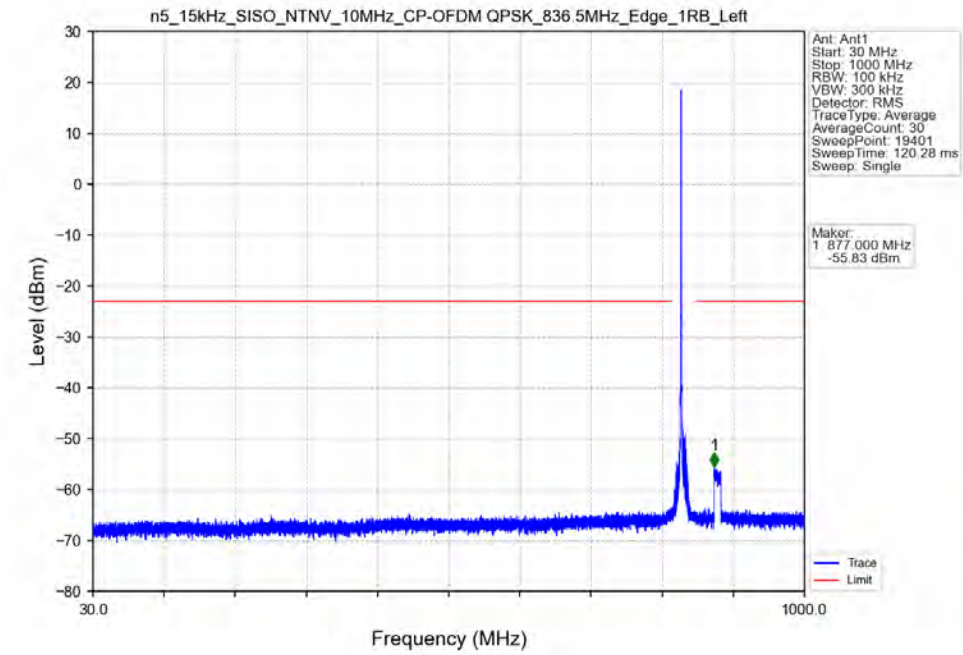

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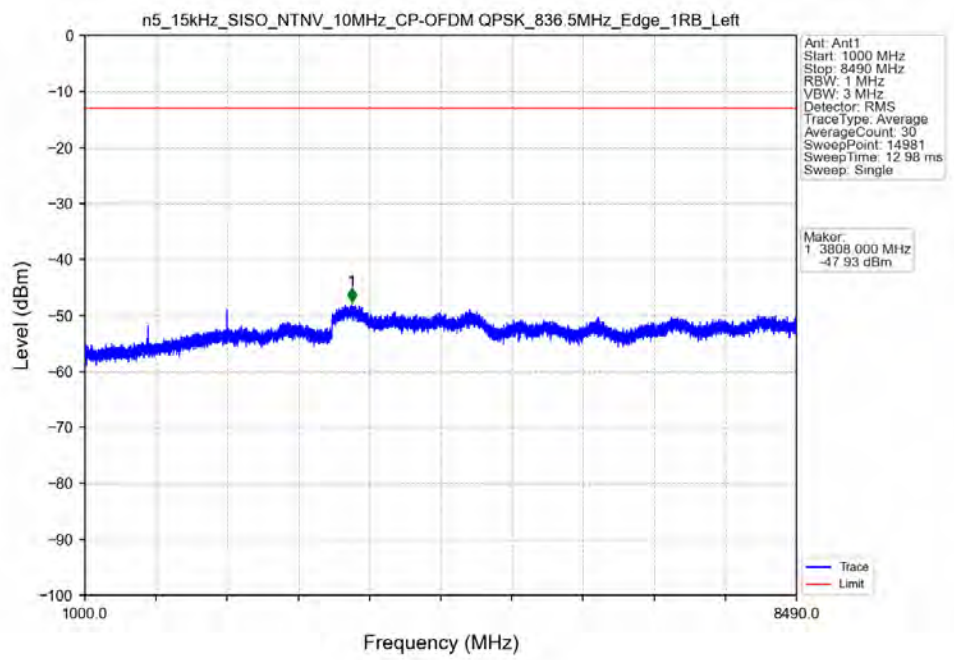

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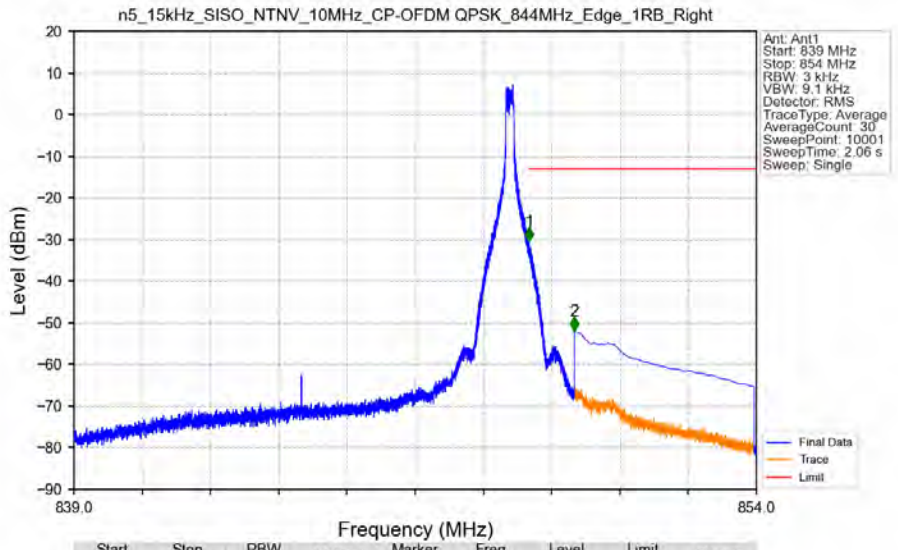

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.005	-30.44	-13	Pass
850	854	0.1	CHP	2	850.001	-52.02	-13	Pass

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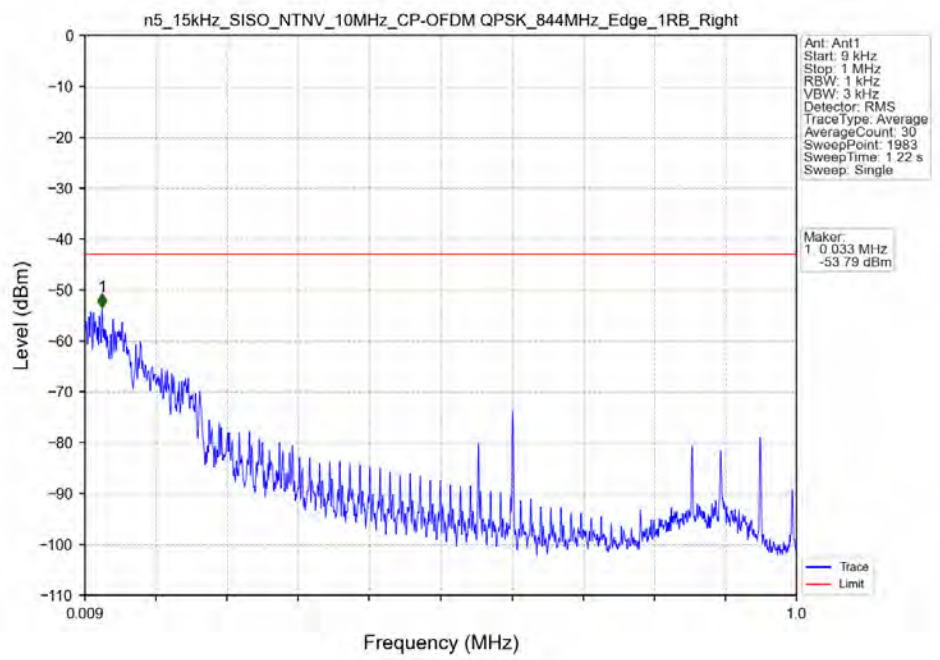

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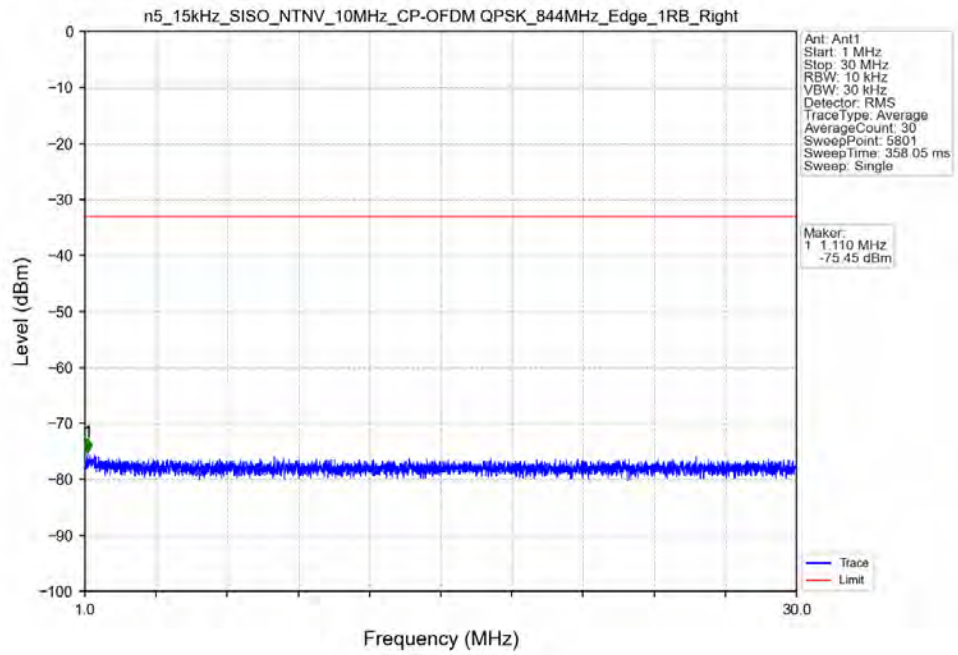

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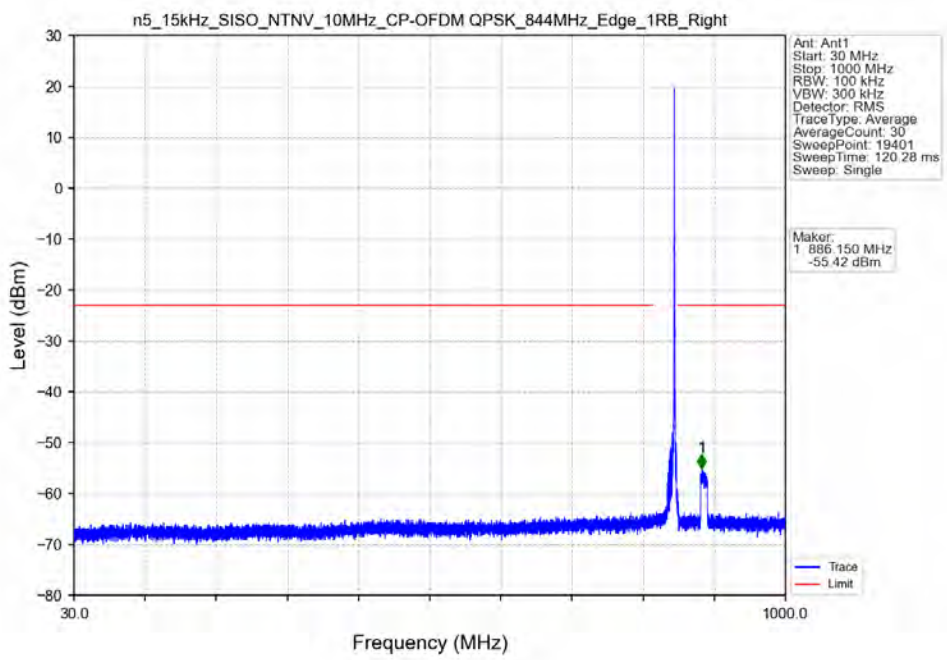

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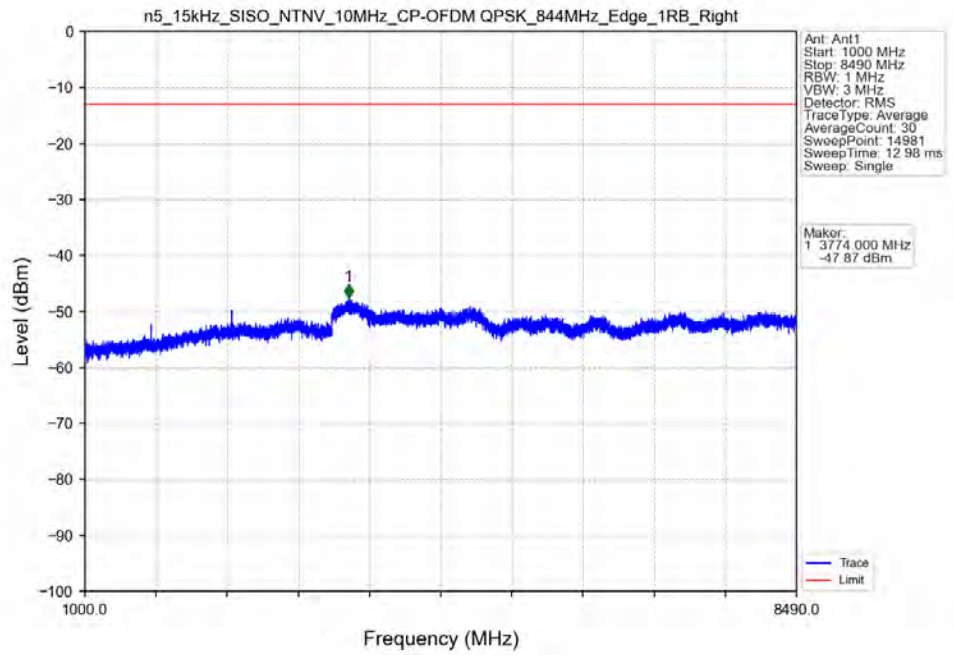

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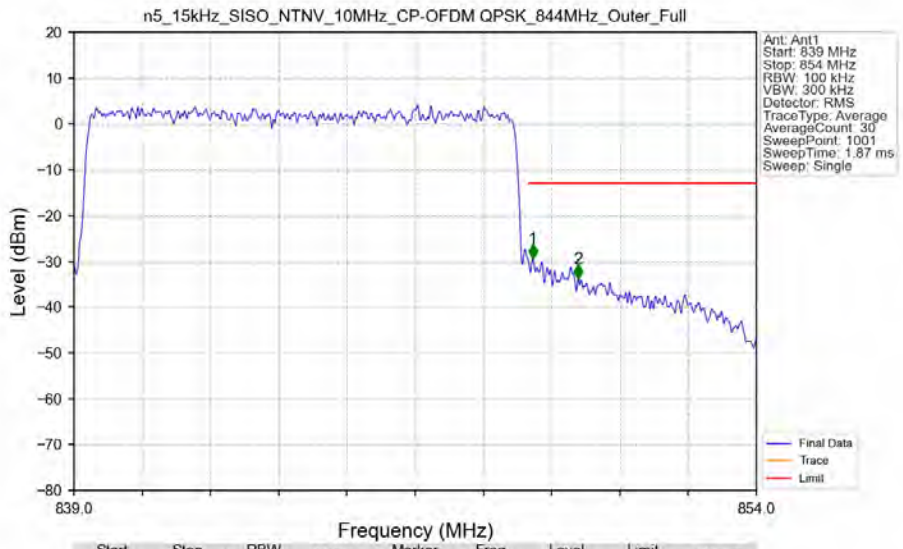
n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_844MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.103	/	/	/	/	/	/
849	850	0.103	/	1	849.080	-29.39	-13	Pass
850	854	0.1	/	2	850.085	-33.80	-13	Pass

n5_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_844MHz_Inner_1RB_Right

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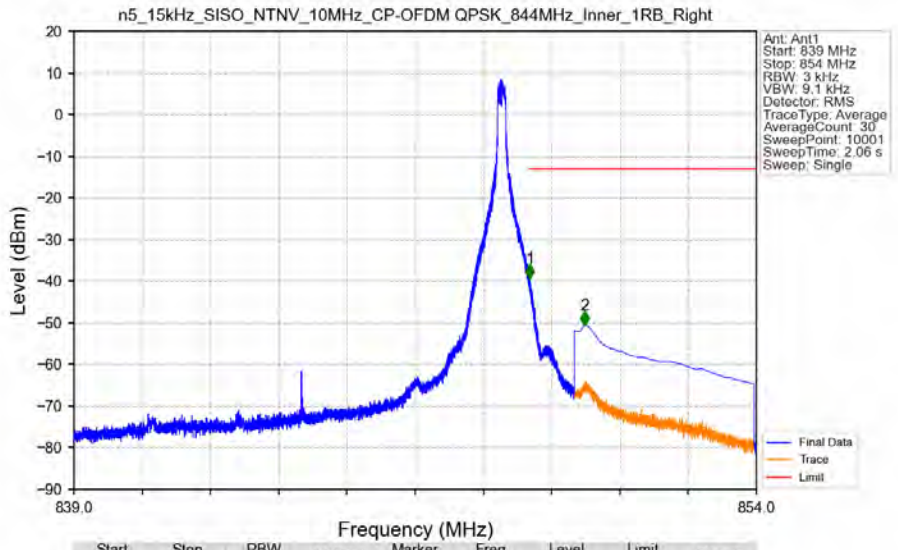

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.023	-39.31	-13	Pass
850	854	0.1	CHP	2	850.231	-50.62	-13	Pass

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5.3 15k_SISO_15MHz_NTNV

5.3.1 Test Result

5G NR n5 SCS=15kHz SISO 15MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	831.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	836.5	Edge_1RB_Left	Refer To Test Graph				Pass
	841.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	831.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	836.5	Edge_1RB_Left	Refer To Test Graph				Pass
	841.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	831.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	836.5	Edge_1RB_Left	Refer To Test Graph				Pass
	841.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass

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5.3.2 Test Graph

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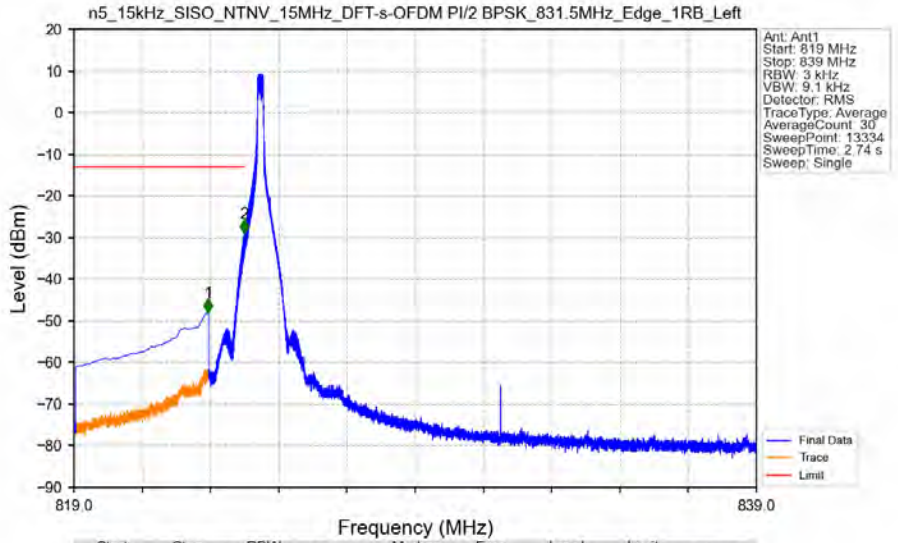

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.935	-48.06	-13	Pass
823	824	0.003	/	2	823.994	-29.03	-13	Pass
824	839	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_831.5MHz_Edge_1RB_Left

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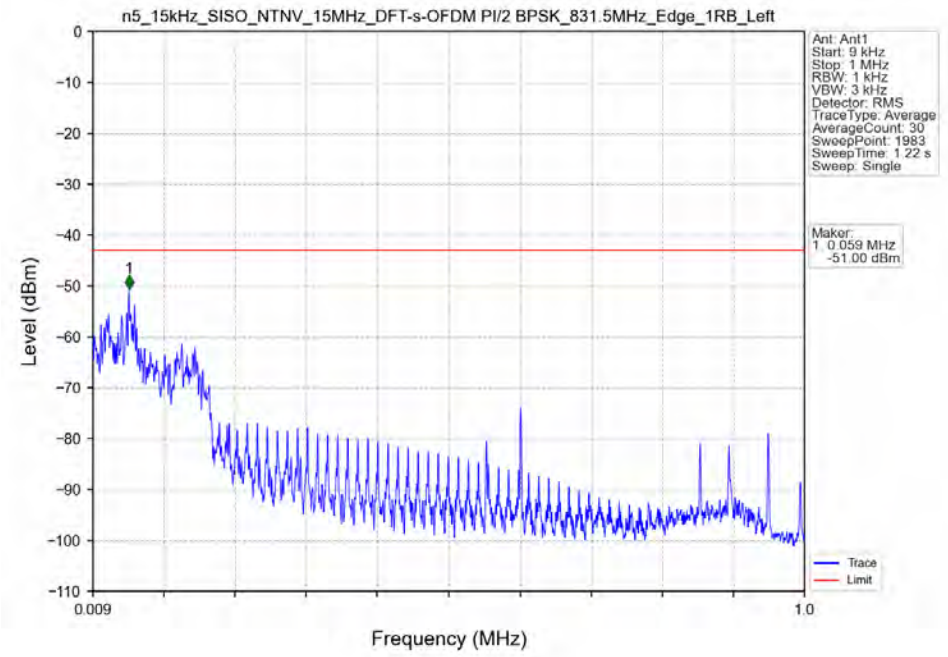

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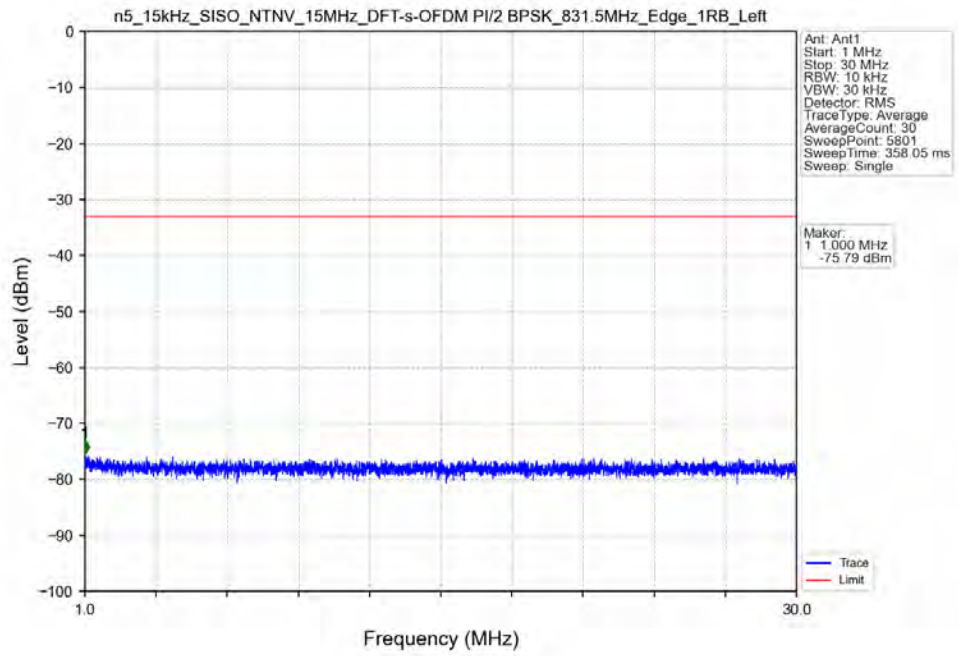
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_831.5MHz_Edge_1RB_Left



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_831.5MHz_Edge_1RB_Left

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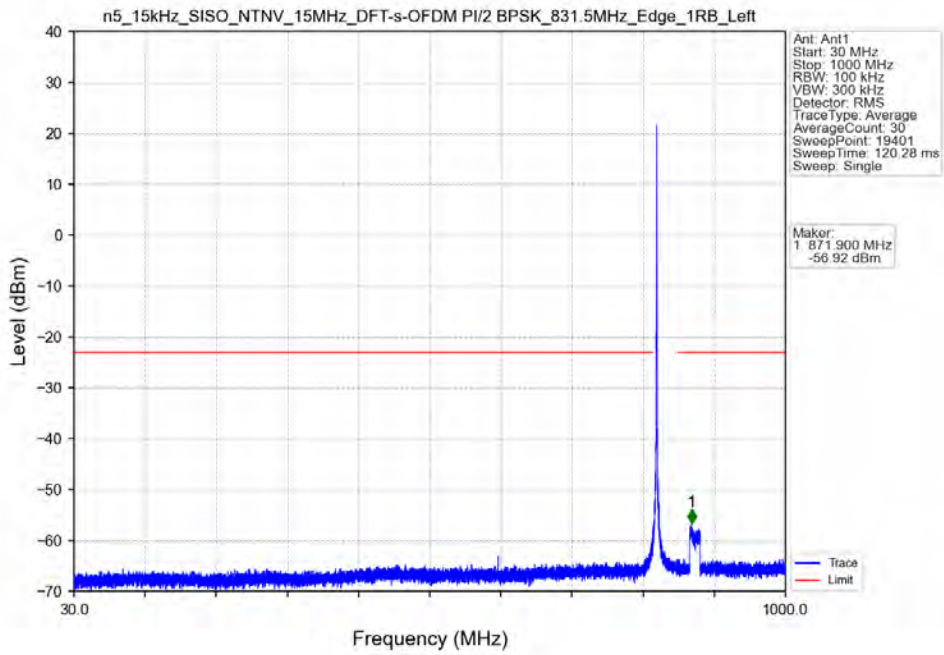

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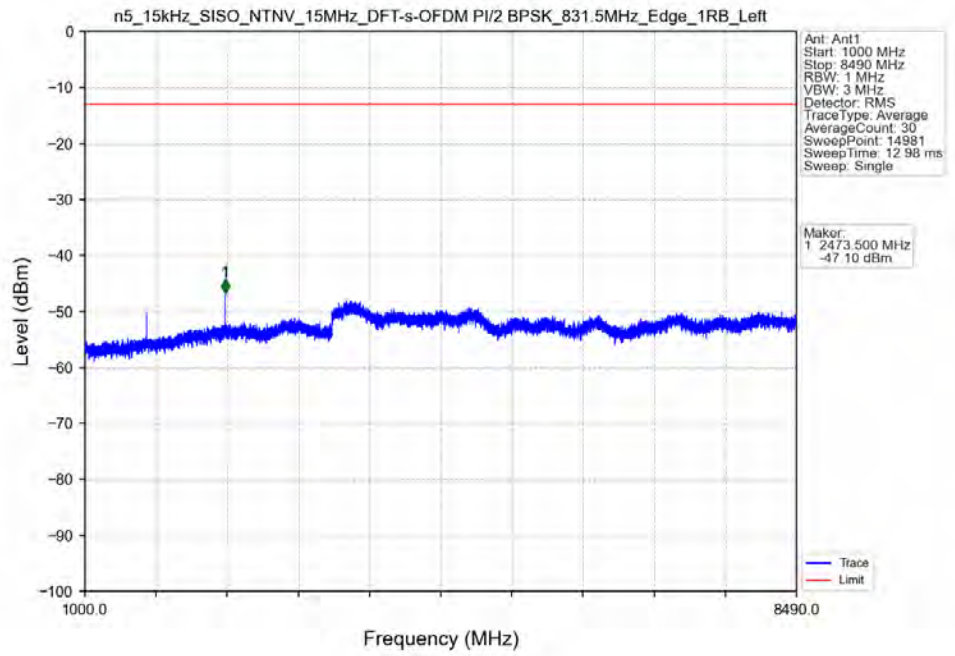

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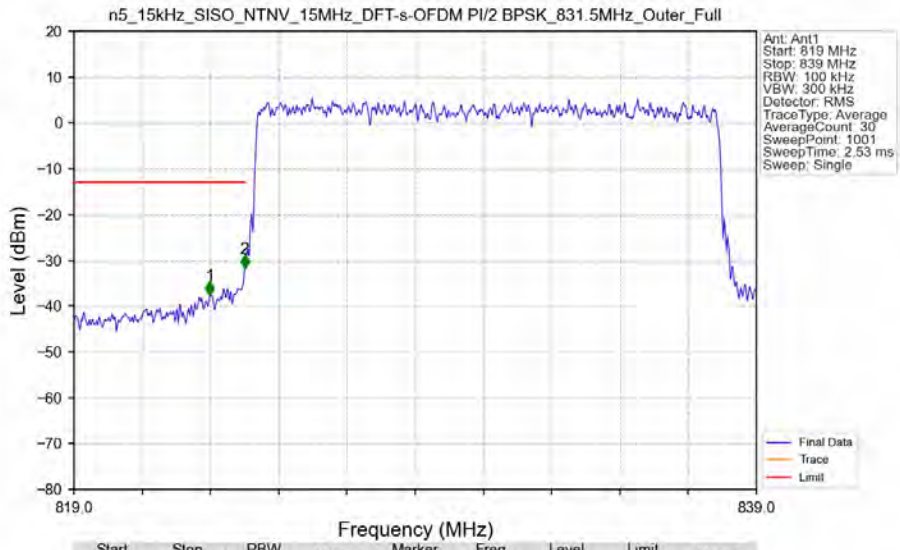

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	/	1	822.980	-37.71	-13	Pass
823	824	0.146	/	2	824.000	-31.84	-13	Pass
824	839	0.146	/	/	/	/	/	/

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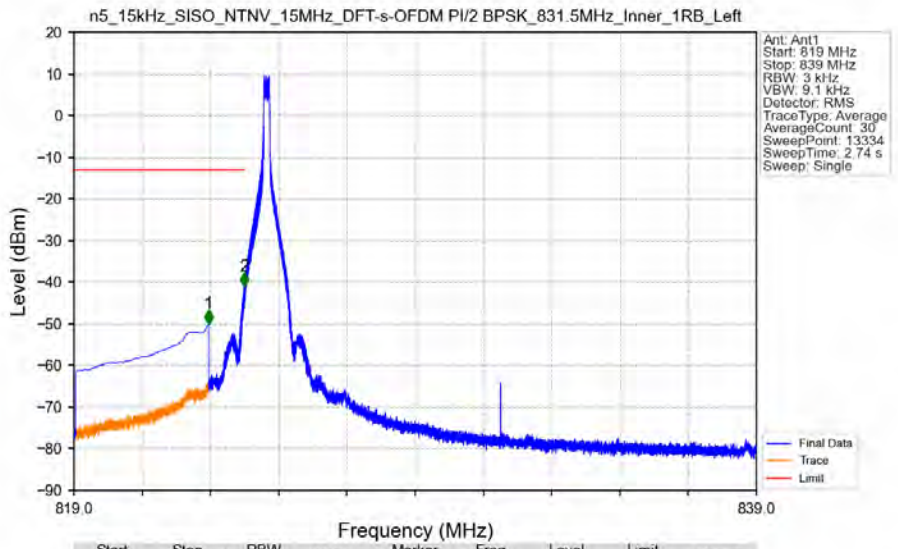

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.948	-49.95	-13	Pass
823	824	0.003	/	2	823.989	-41.03	-13	Pass
824	839	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Edge_1RB_Left

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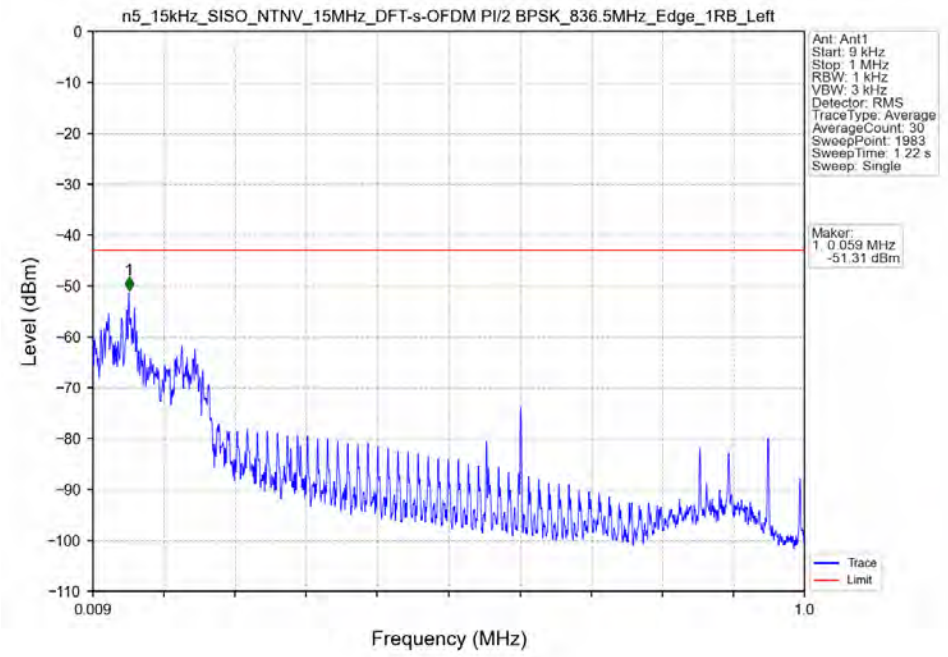

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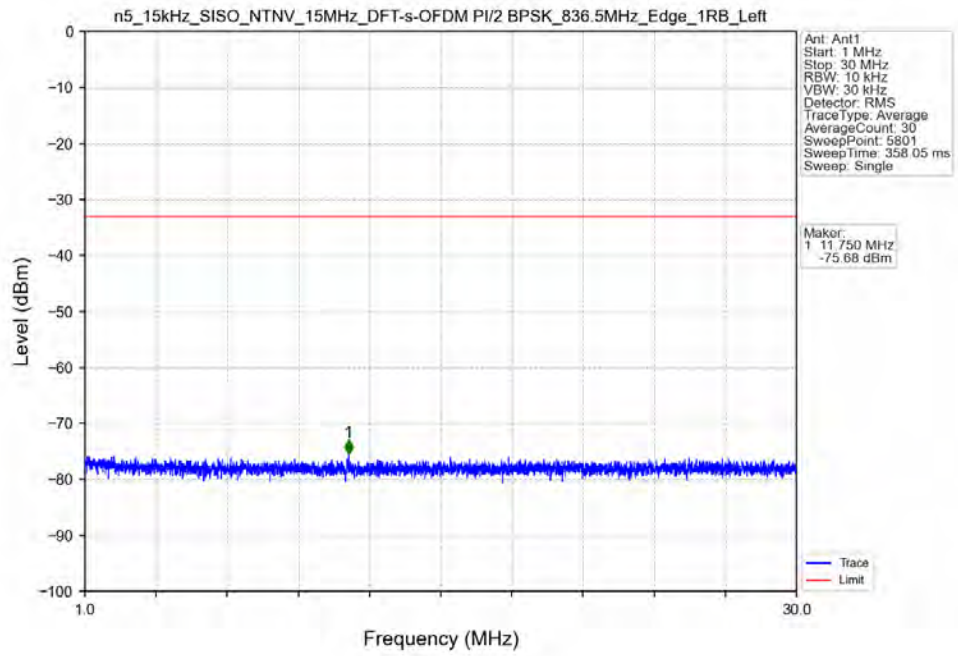
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_836.5MHz_Edge_1RB_Left



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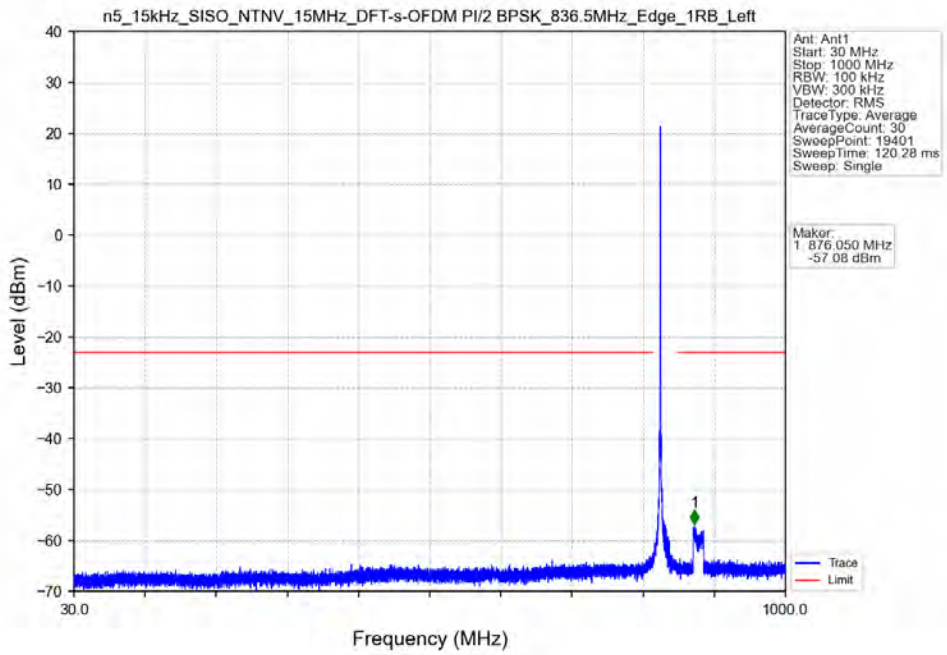

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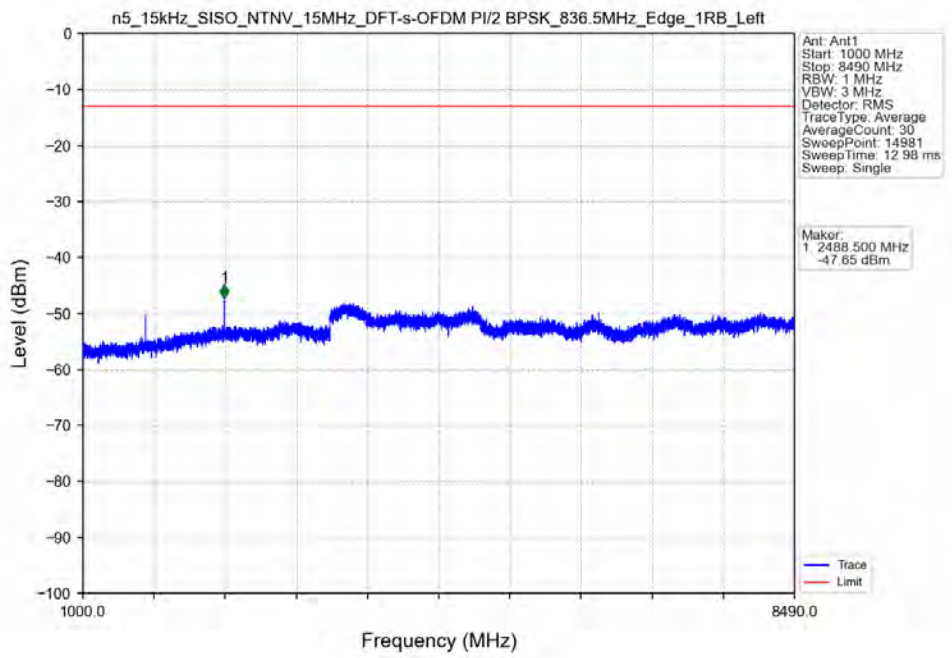

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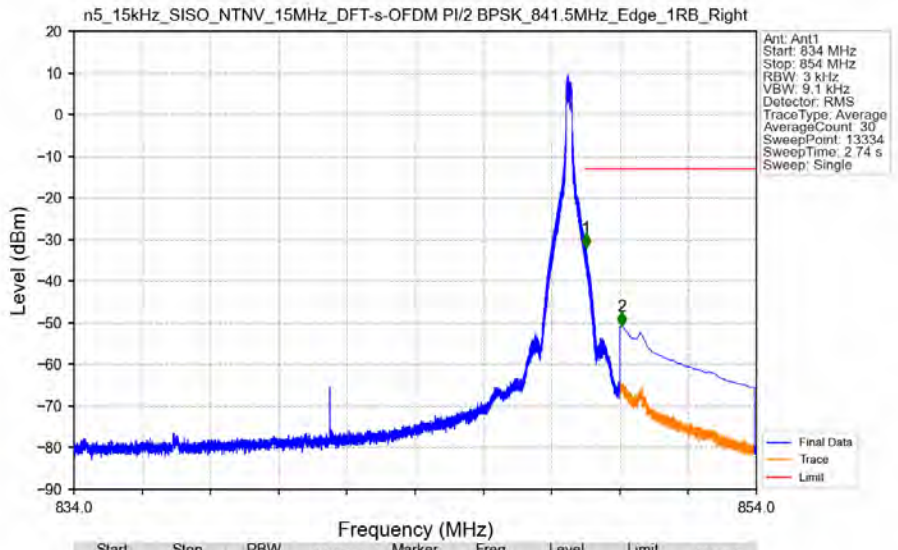

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.006	-31.97	-13	Pass
850	854	0.1	CHP	2	850.050	-50.78	-13	Pass

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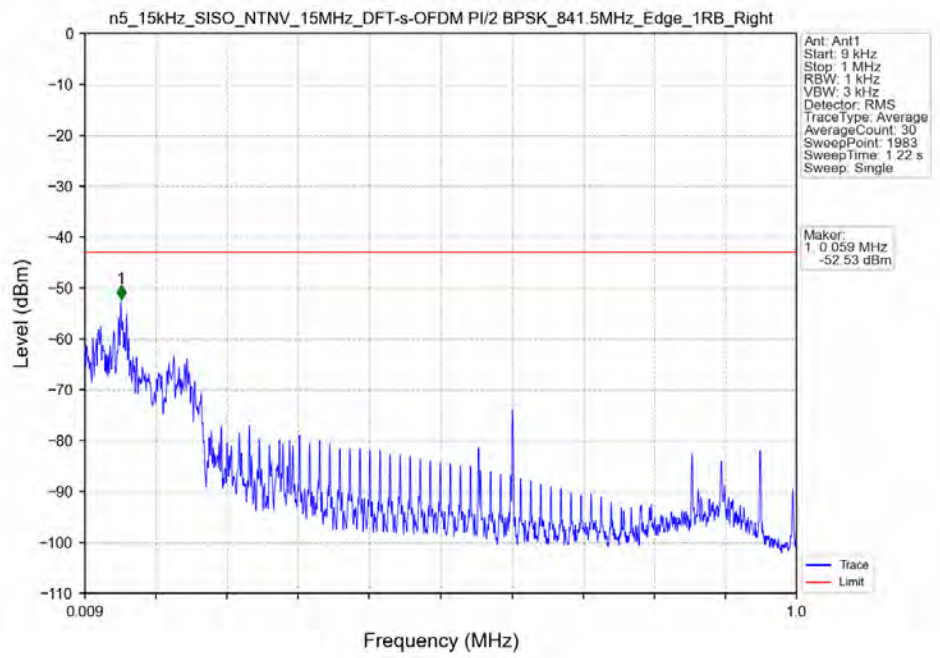

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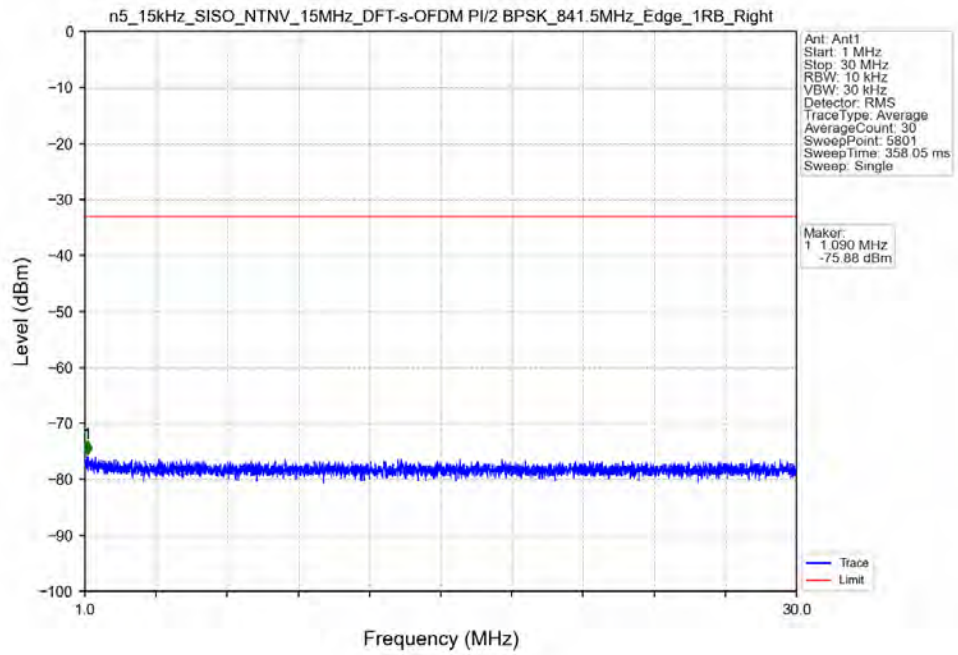

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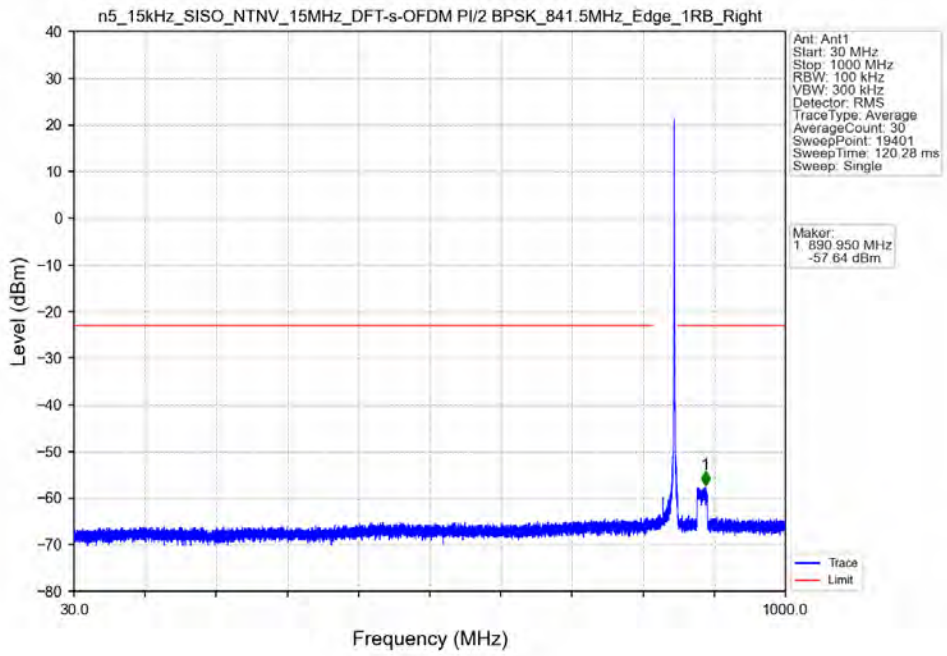

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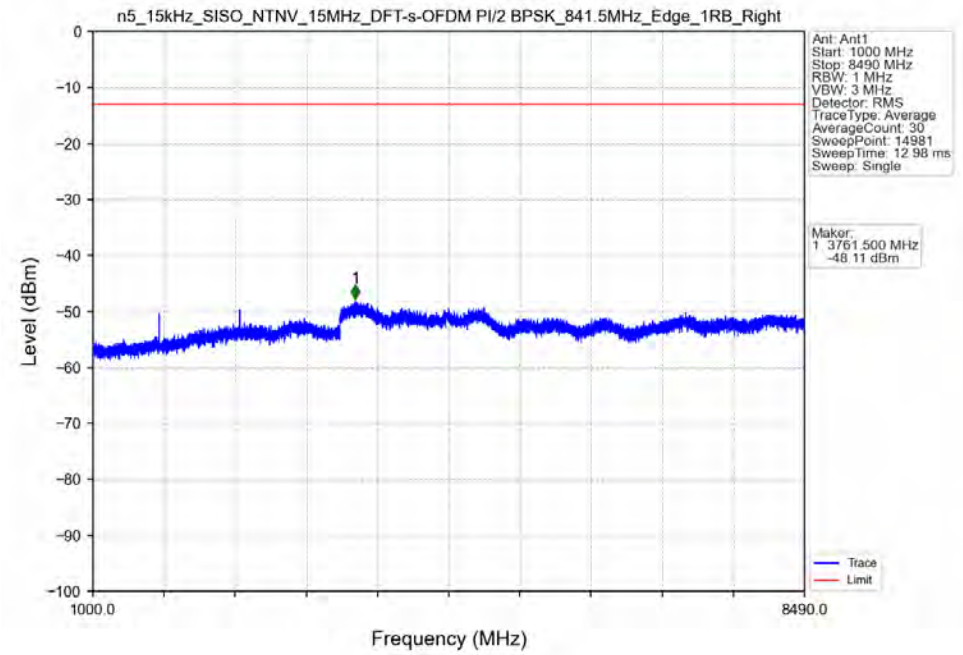

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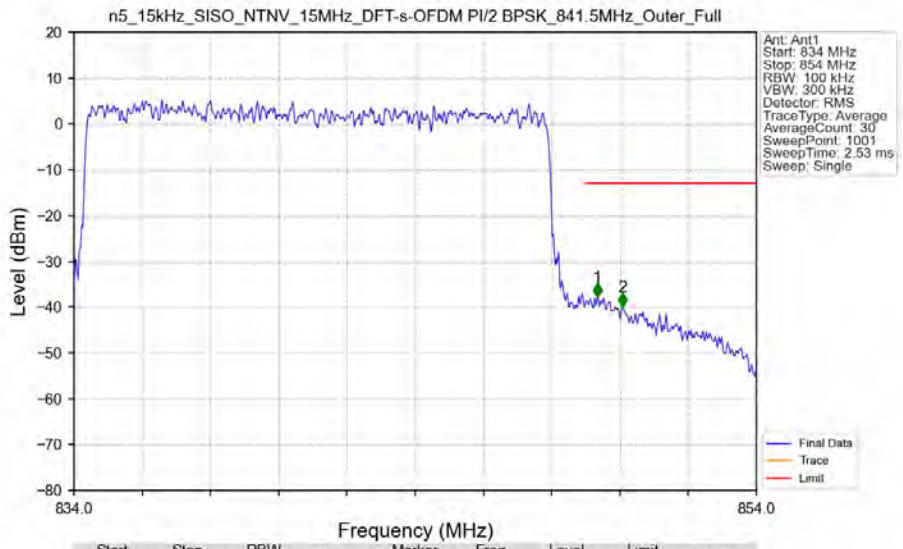

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.146	/	/	/	/	/	/
849	850	0.146	/	1	849.340	-37.89	-13	Pass
850	854	0.1	/	2	850.080	-40.01	-13	Pass

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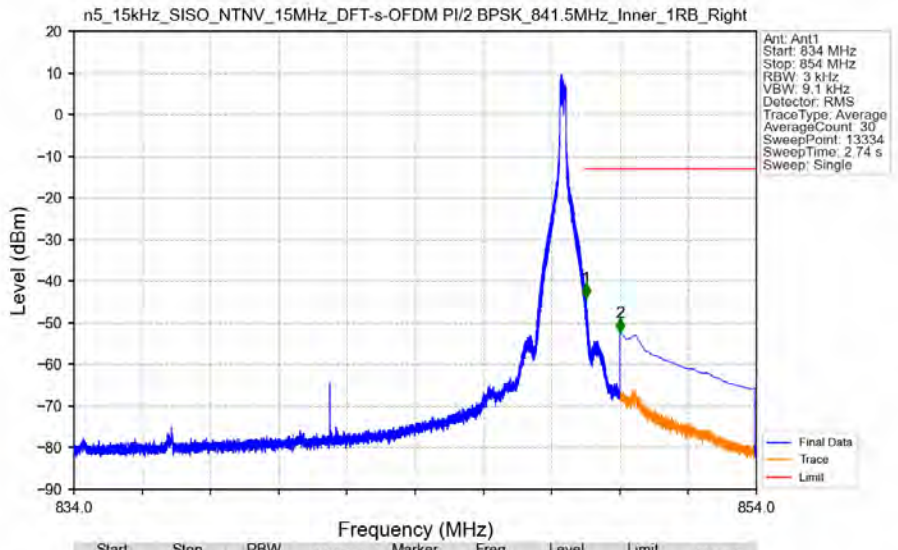

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.008	-43.99	-13	Pass
850	854	0.1	CHP	2	850.001	-52.37	-13	Pass

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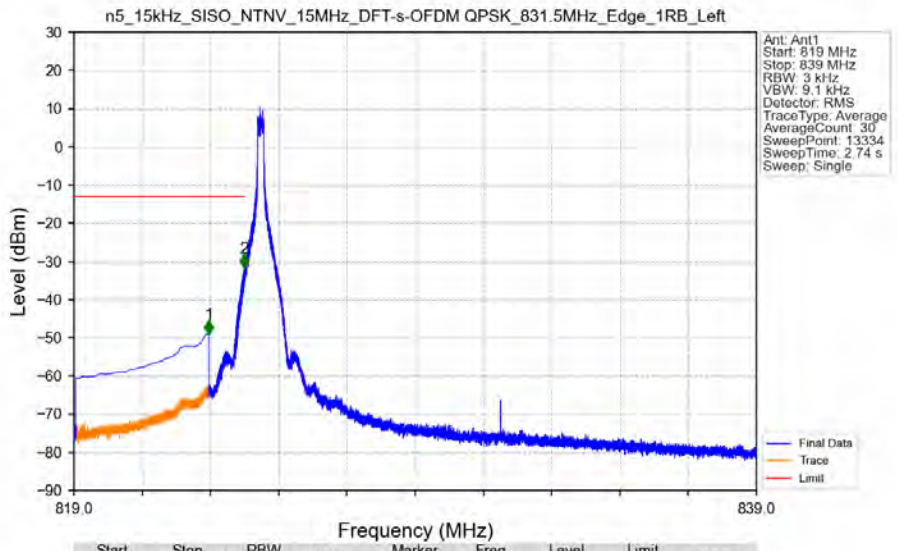

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.950	-49.09	-13	Pass
823	824	0.003	/	2	823.992	-31.87	-13	Pass
824	839	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_831.5MHz_Edge_1RB_Left

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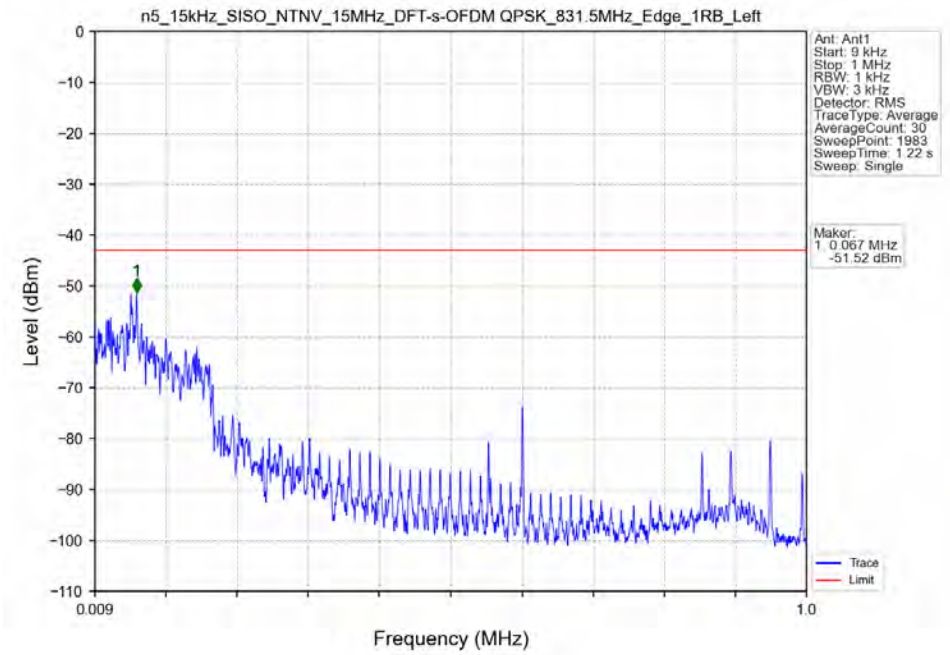

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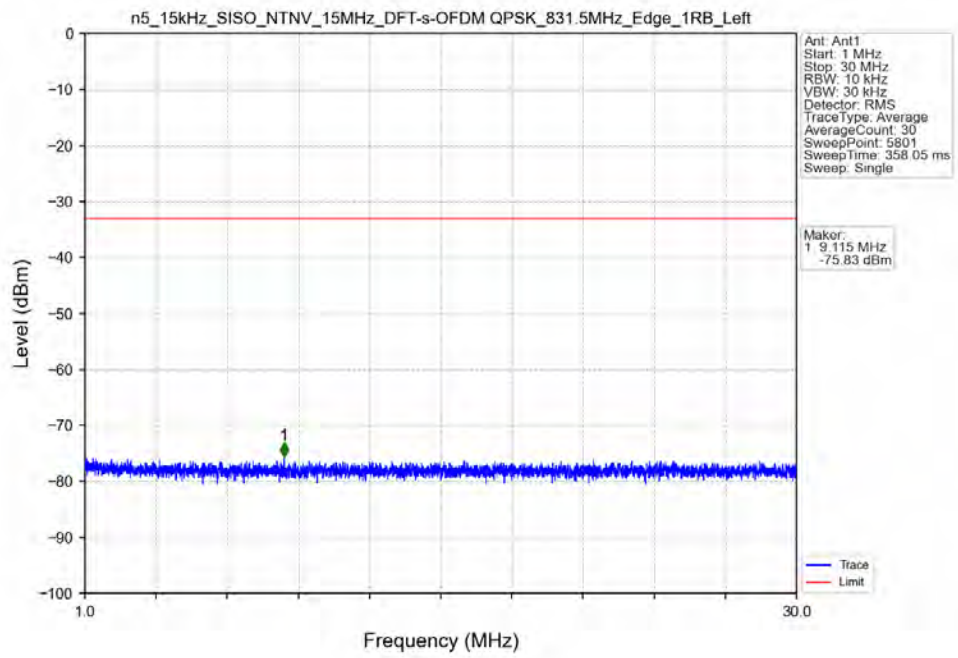

n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_831.5MHz_Edge_1RB_Left

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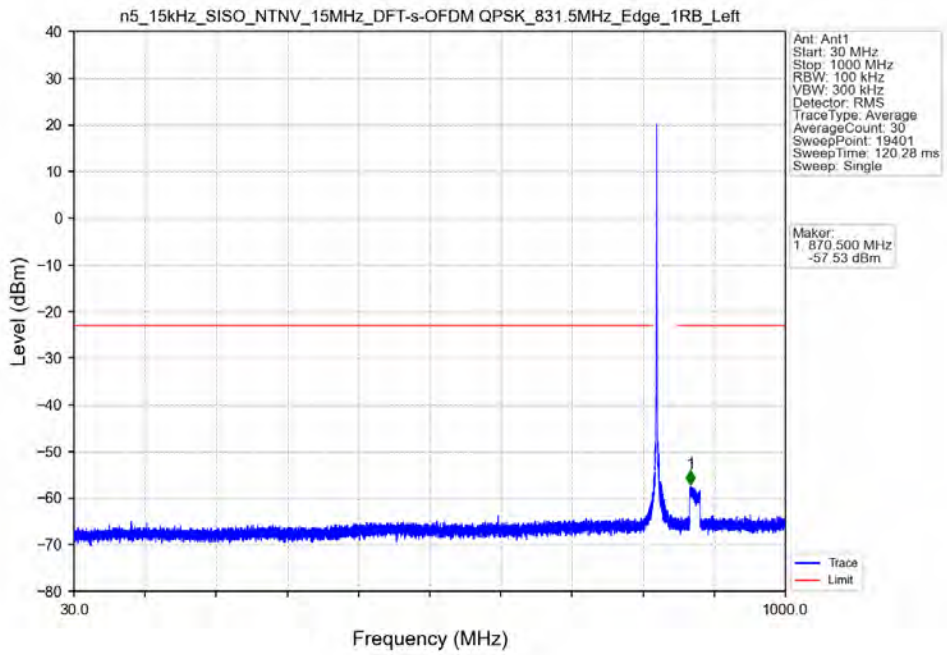

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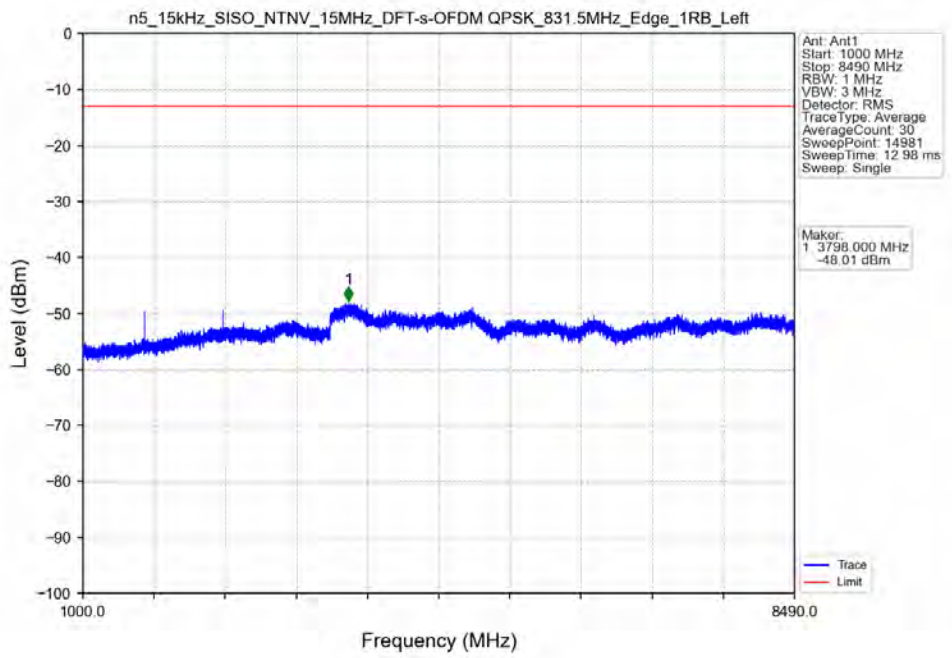
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_831.5MHz_Edge_1RB_Left



n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_831.5MHz_Outer_Full

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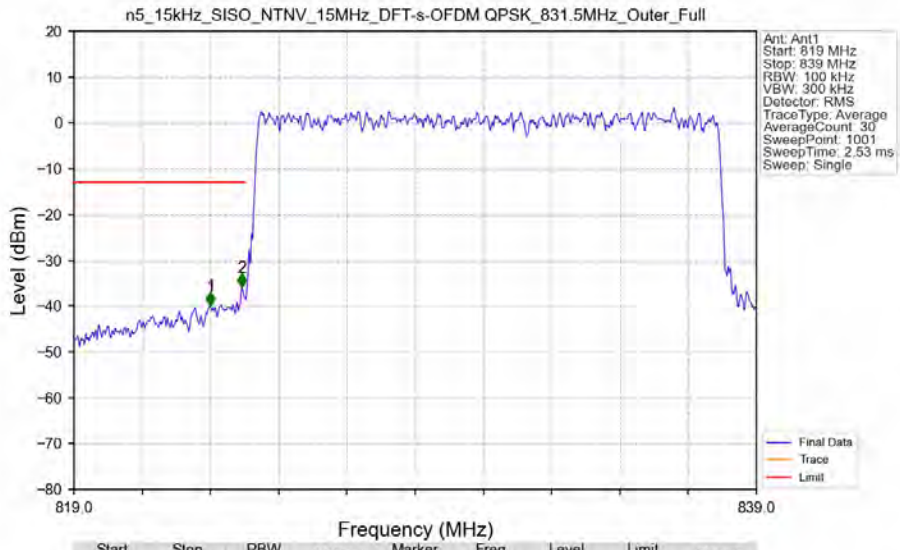

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	/	1	823.000	-40.00	-13	Pass
823	824	0.146	/	2	823.920	-35.98	-13	Pass
824	839	0.146	/	/	/	/	/	/

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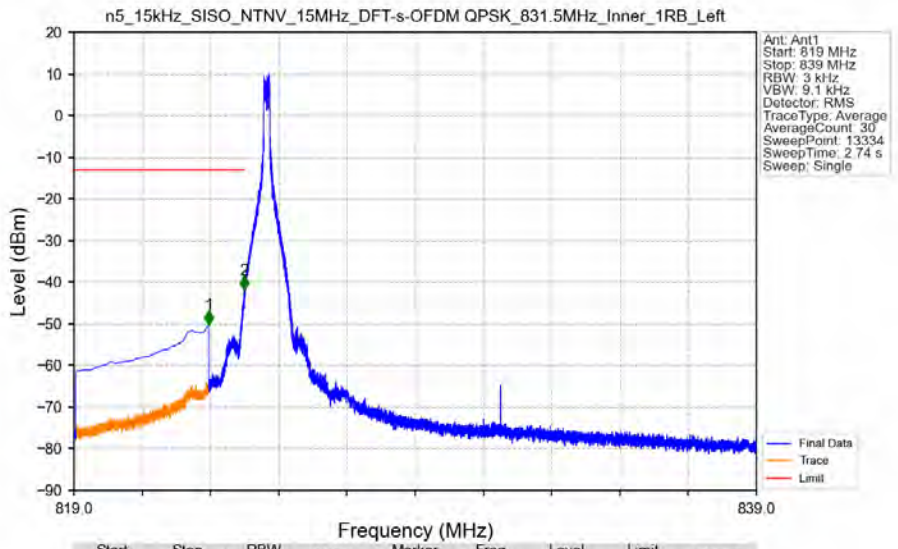

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.950	-50.26	-13	Pass
823	824	0.003	/	2	823.992	-41.97	-13	Pass
824	839	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_836.5MHz_Edge_1RB_Left

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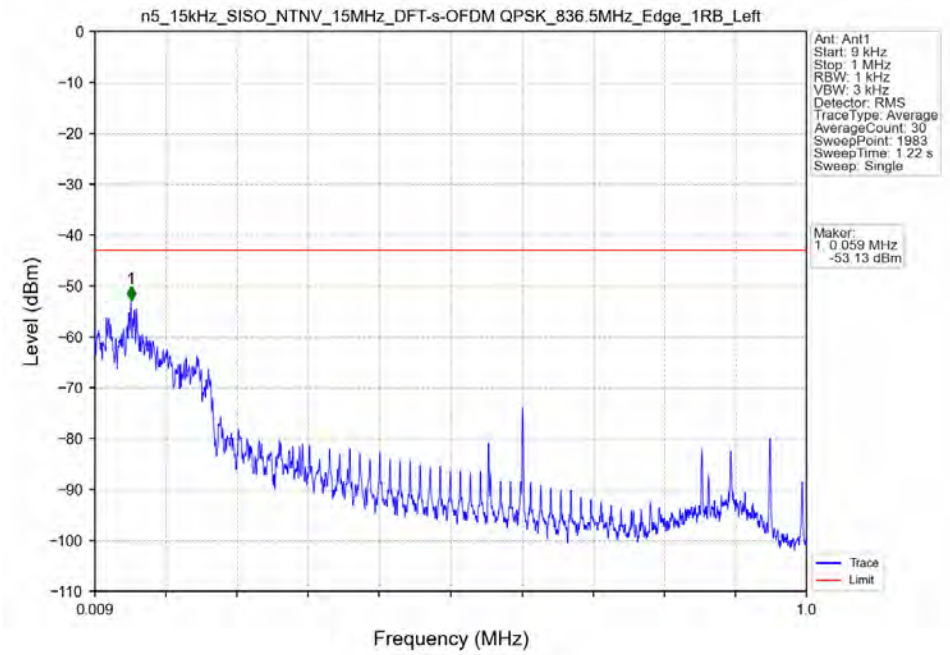

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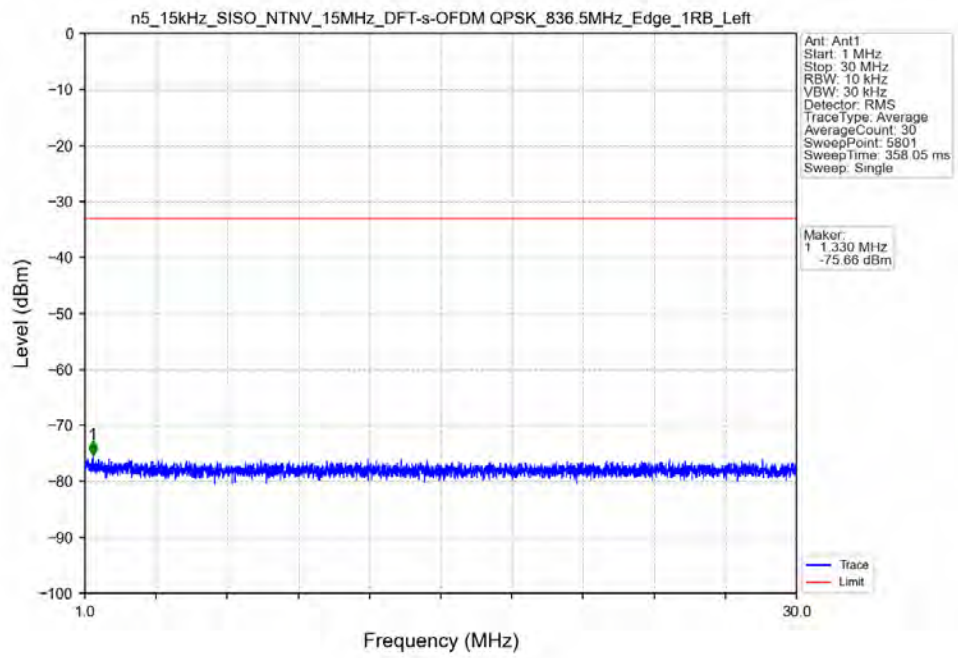
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_836.5MHz_Edge_1RB_Left



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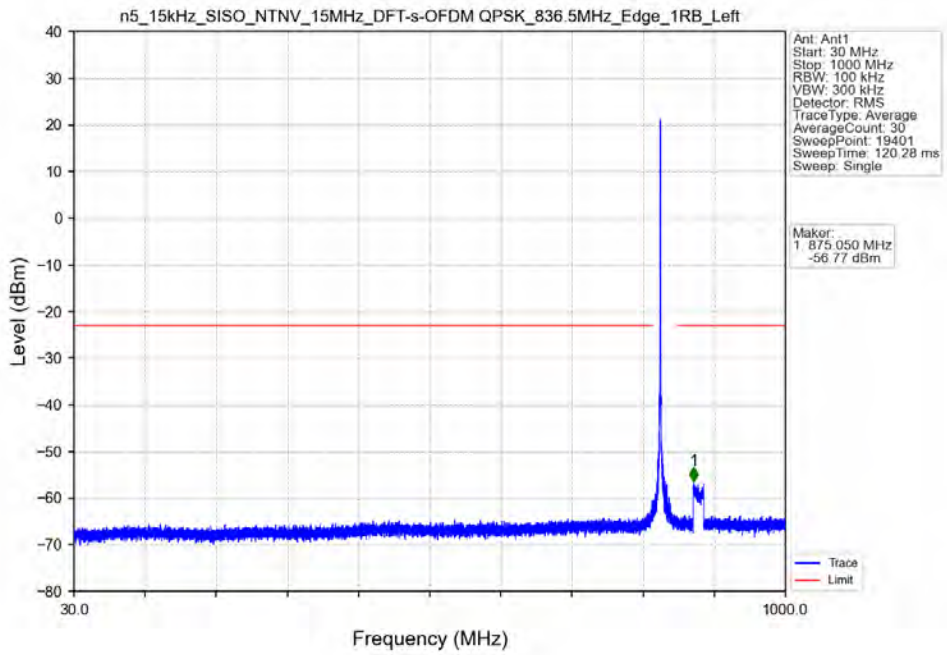

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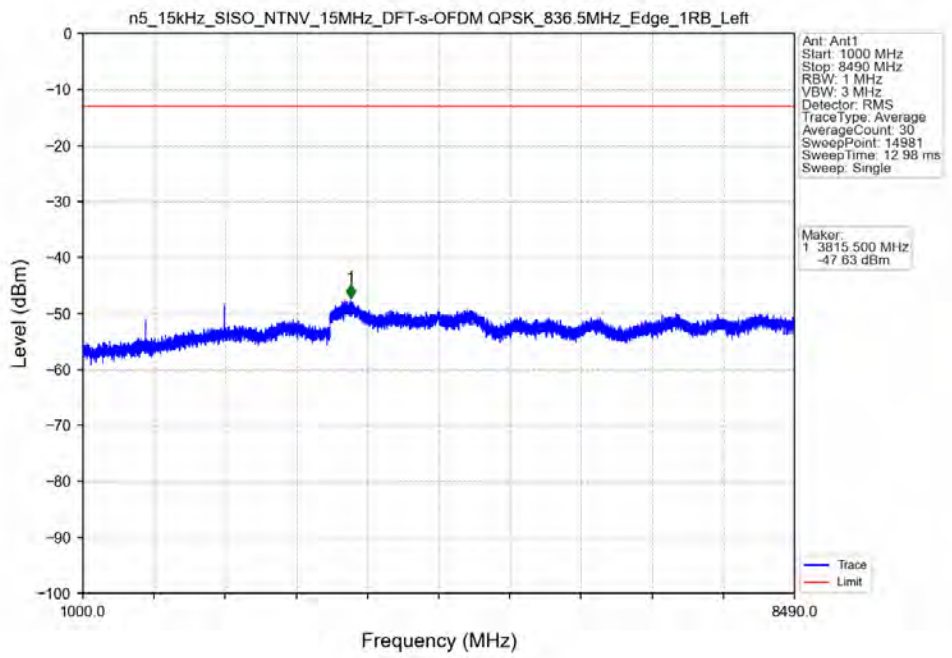

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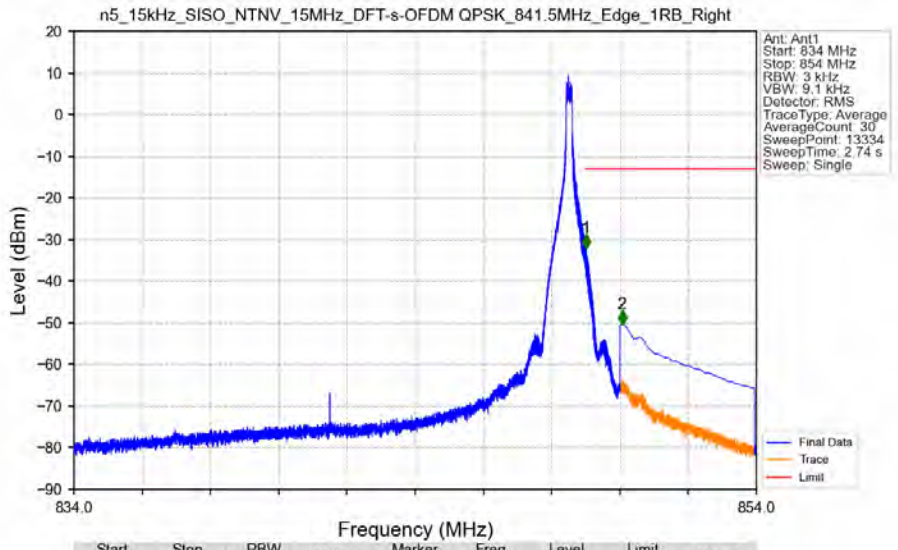

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.003	-32.11	-13	Pass
850	854	0.1	CHP	2	850.067	-50.35	-13	Pass

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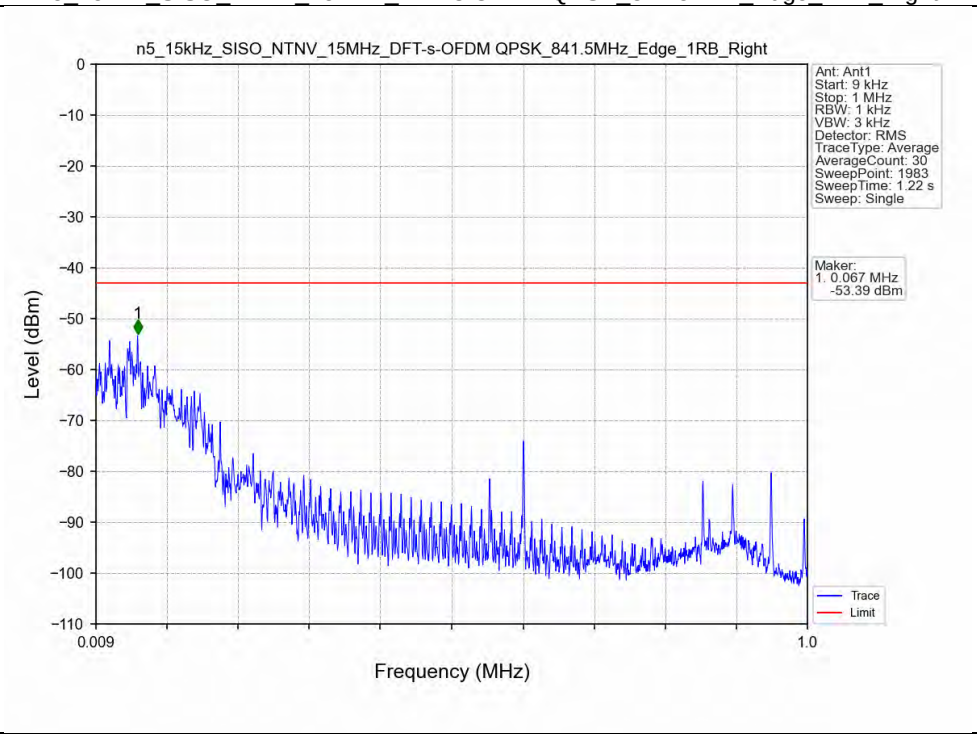

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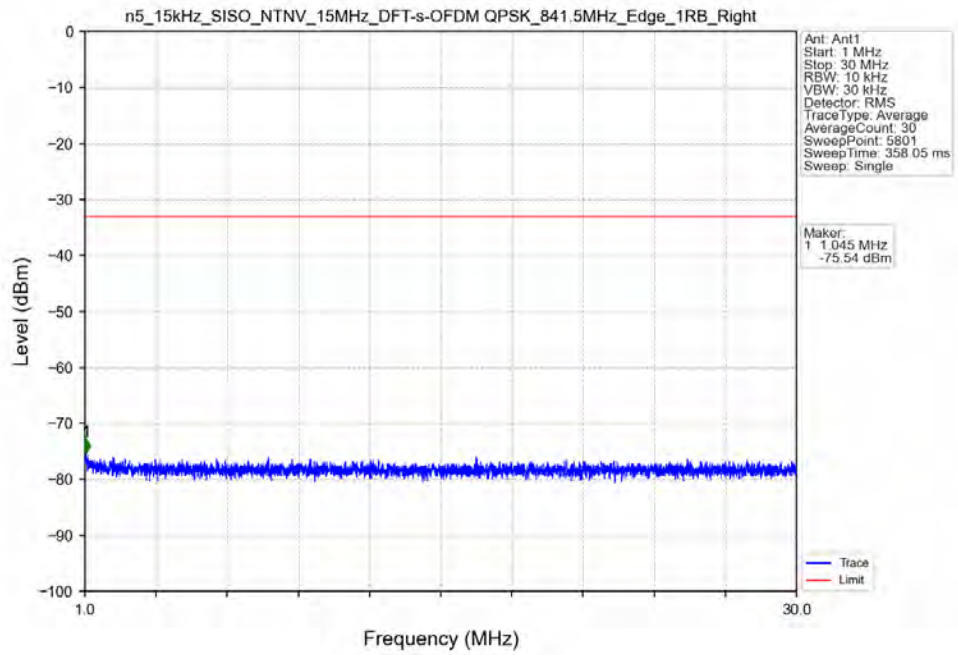

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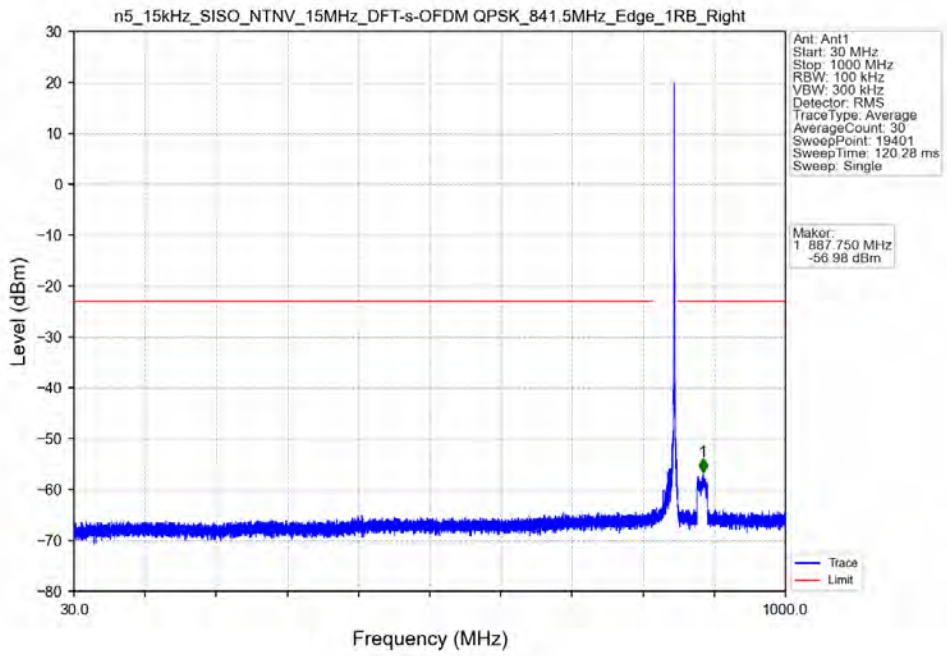

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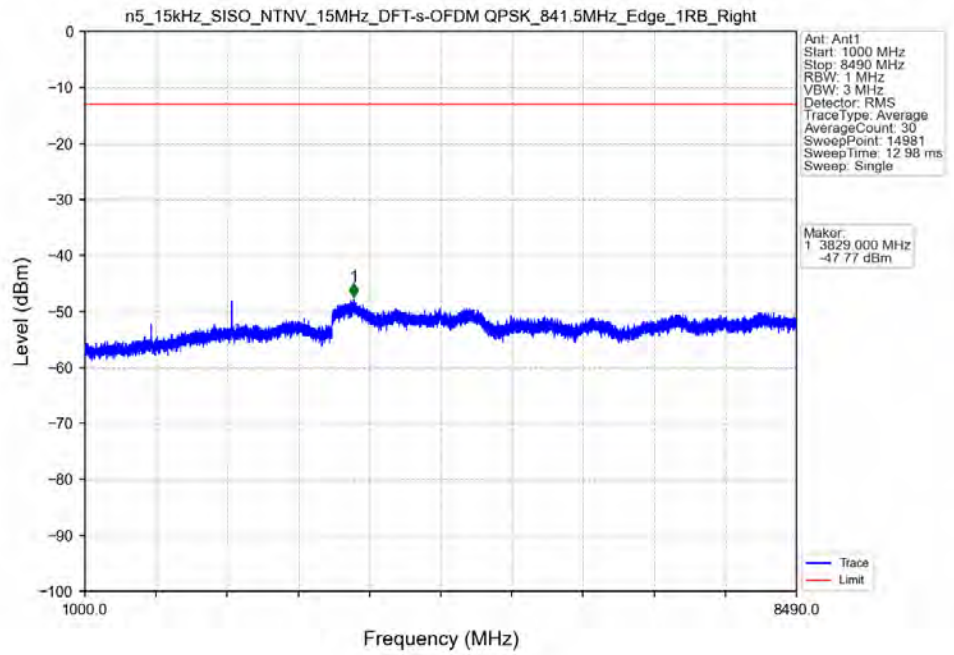

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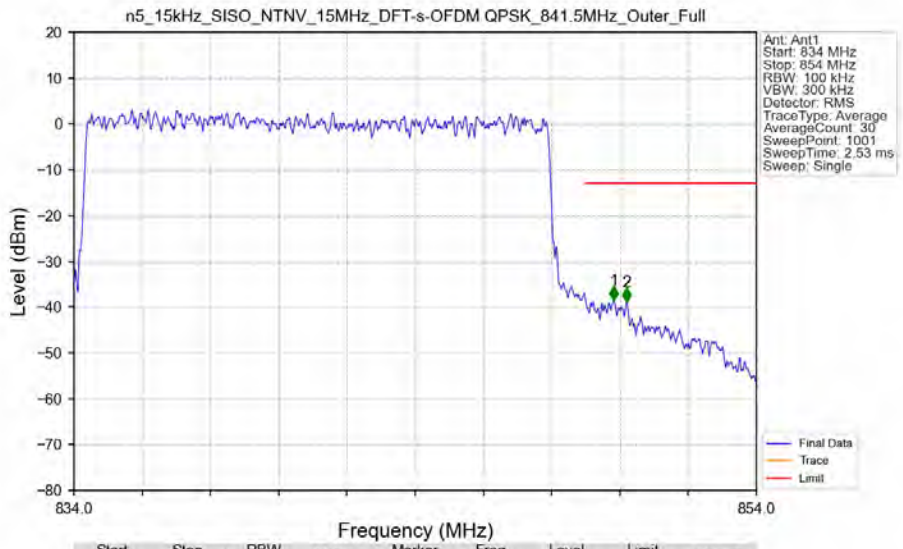
n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_841.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.146	/	/	/	/	/	/
849	850	0.146	/	1	849.820	-38.55	-13	Pass
850	854	0.1	/	2	850.200	-38.85	-13	Pass

n5_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_841.5MHz_Inner_1RB_Right

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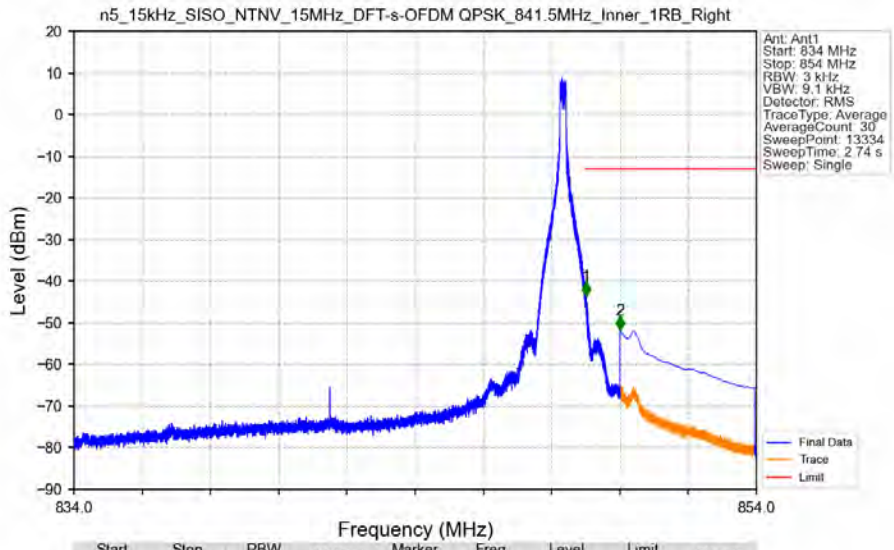

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.011	-43.64	-13	Pass
850	854	0.1	CHP	2	850.001	-51.76	-13	Pass

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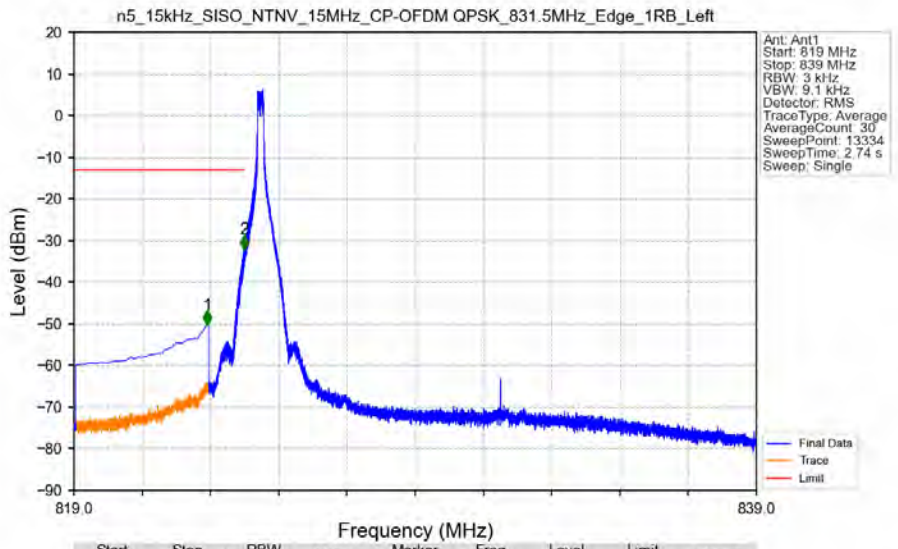
n5_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_831.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.908	-50.28	-13	Pass
823	824	0.003	/	2	823.992	-32.11	-13	Pass
824	839	0.003	/	/	/	/	/	/

n5_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_831.5MHz_Edge_1RB_Left

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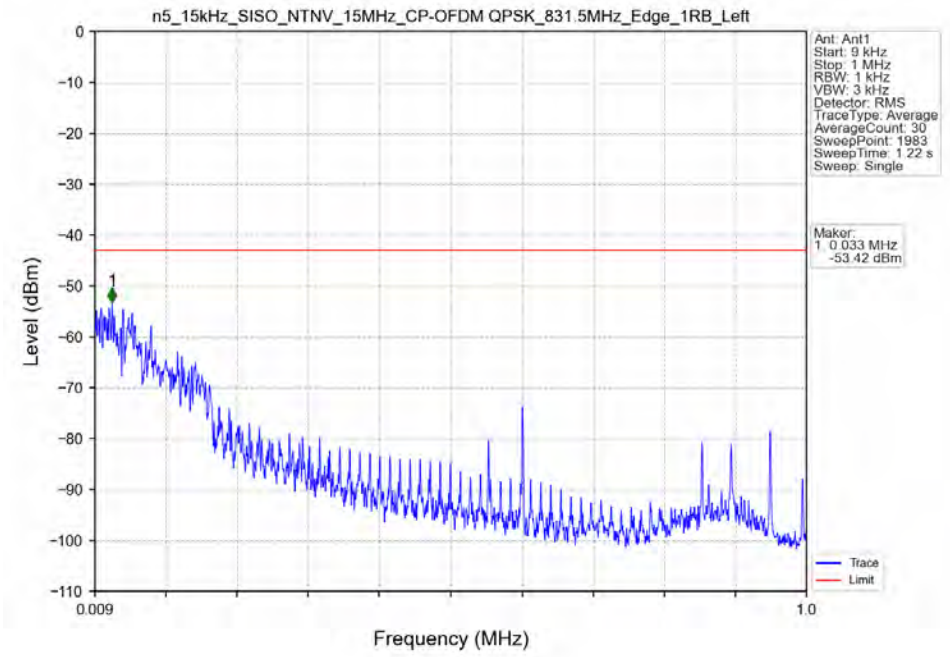

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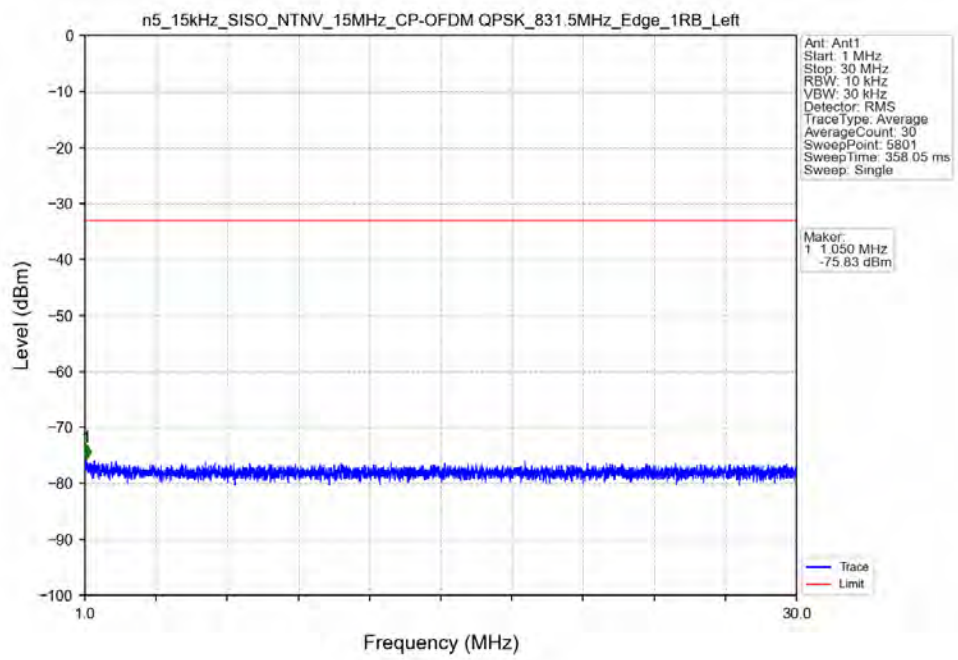

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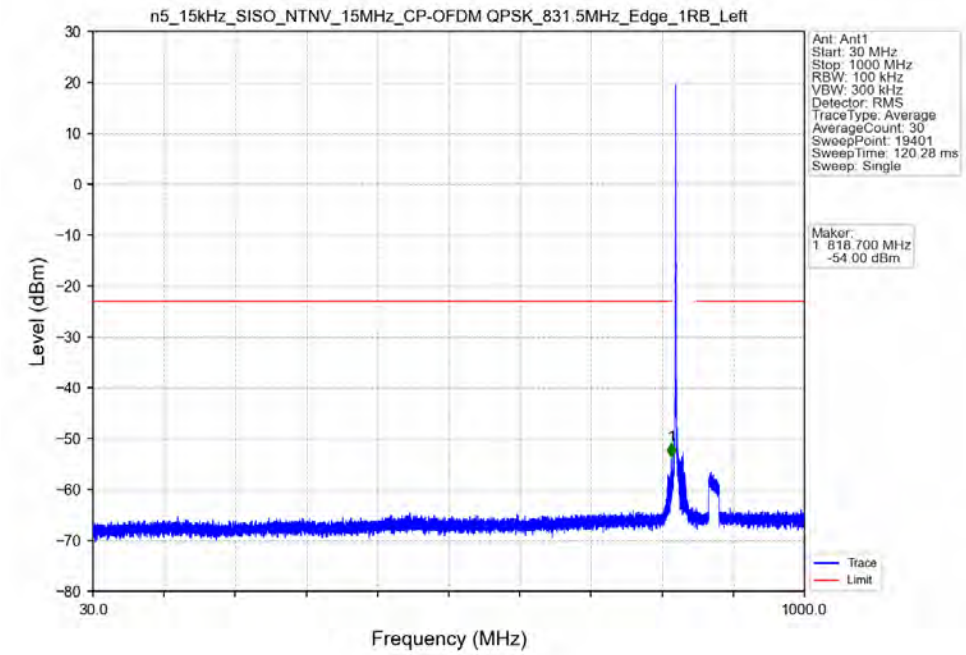

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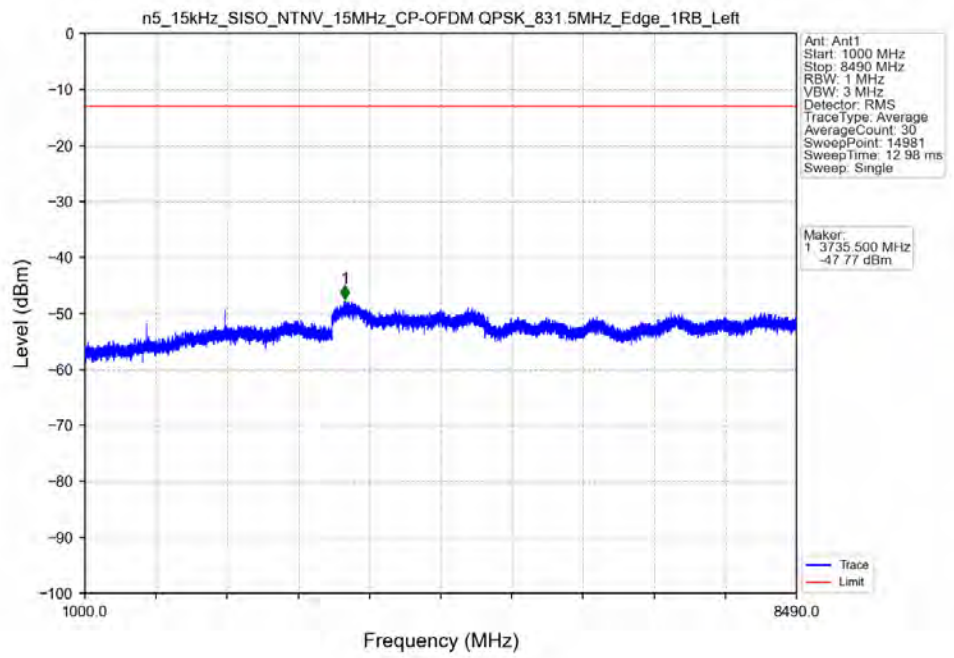

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