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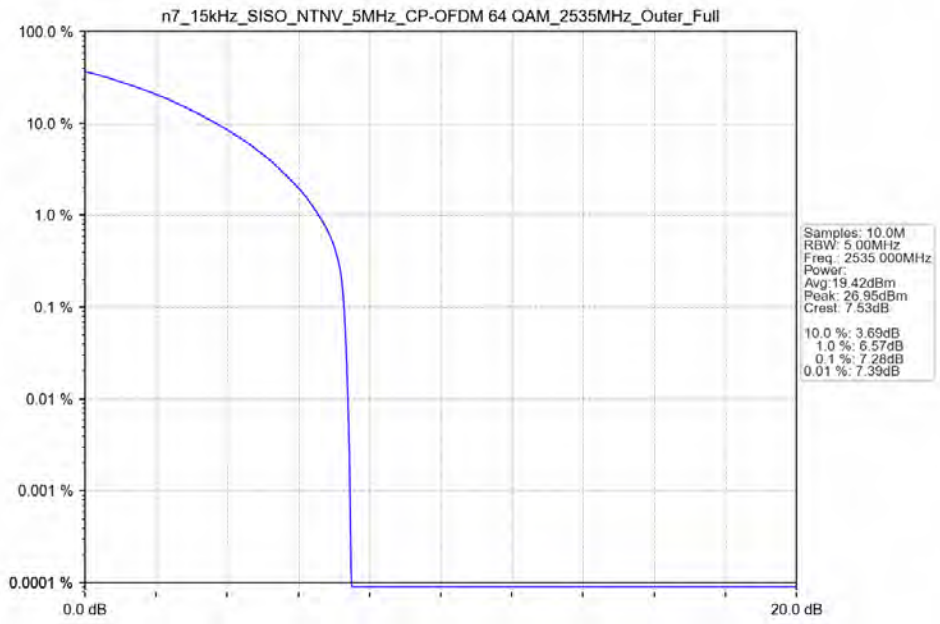
n7_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_2535MHz_Outer_Full



n7_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_2567.5MHz_Outer_Full

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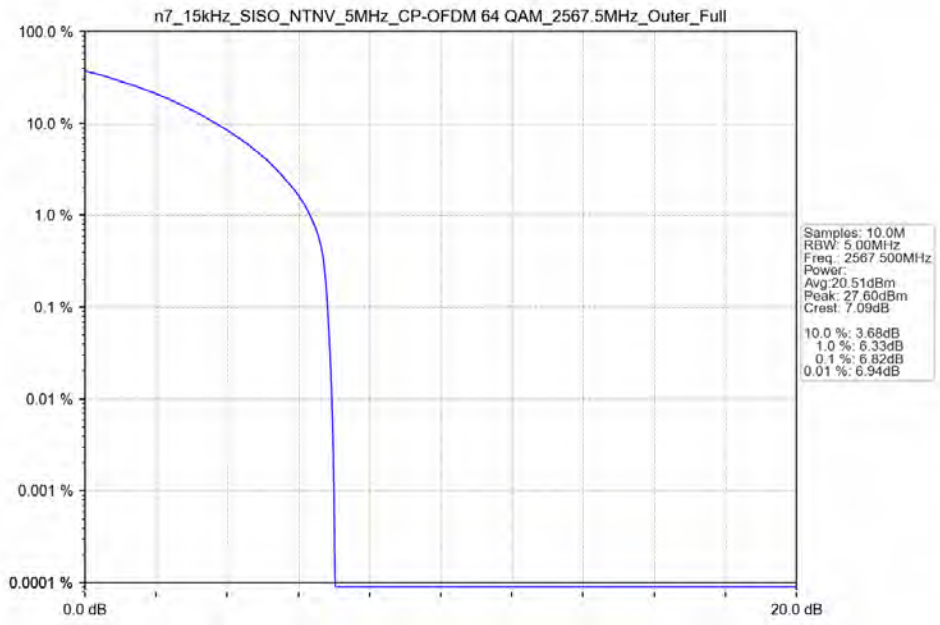

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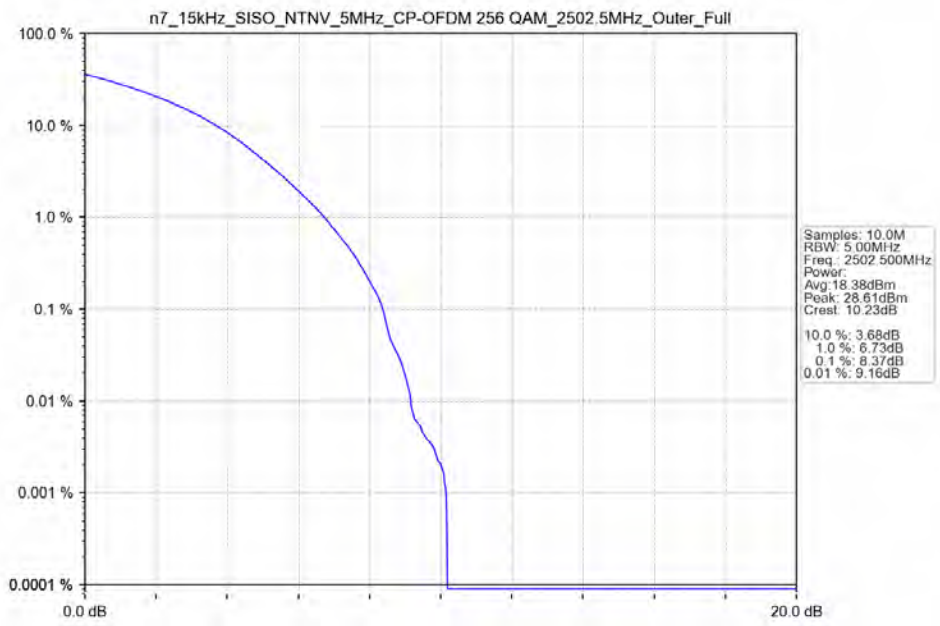

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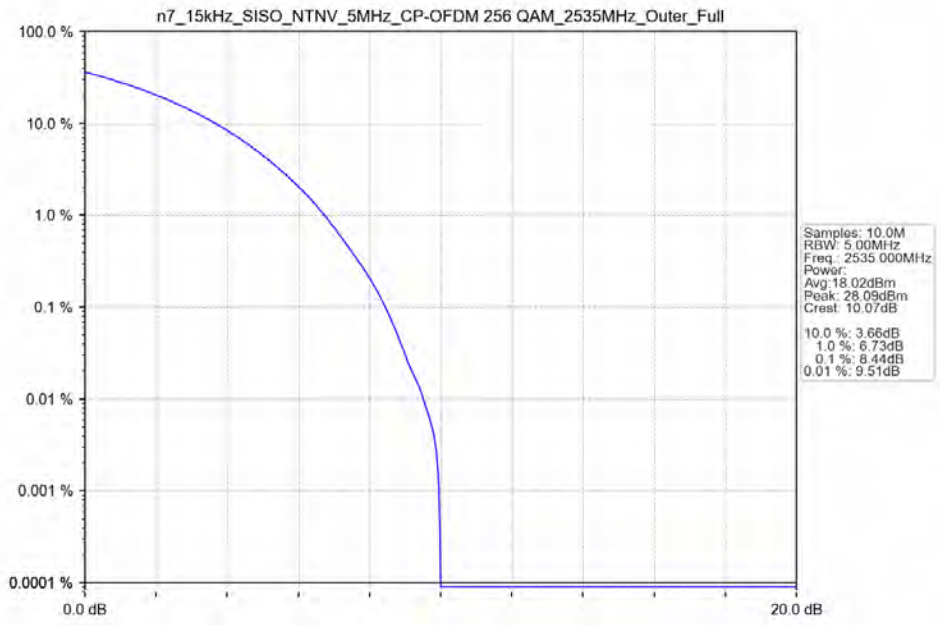

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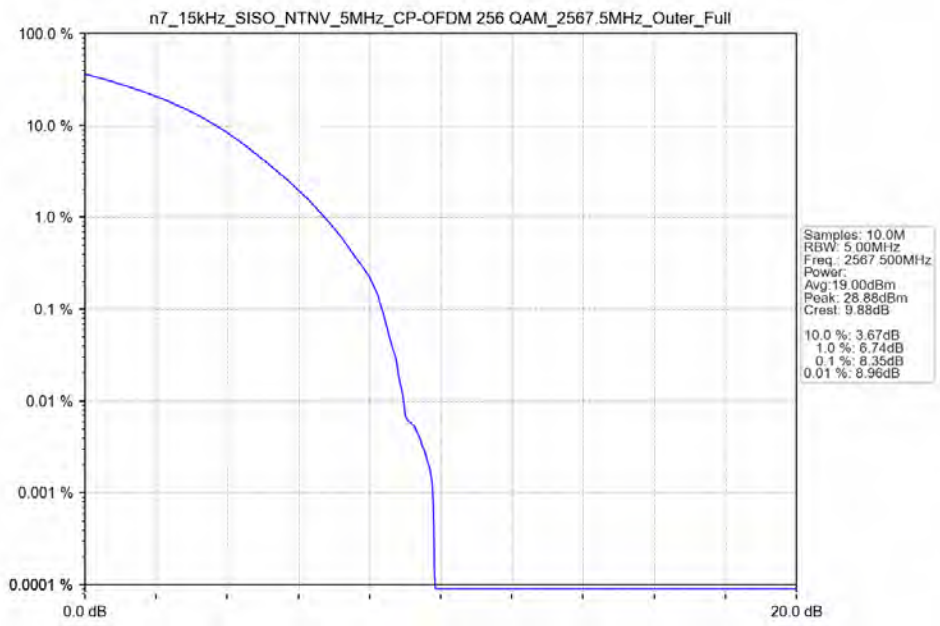

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4.2 15k_SISO_10MHz_NTNV

4.2.1 Test Result

5G NR n7 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2505	Outer_Full	4.08	/	/	<=13	Pass
	2535	Outer_Full	4.04	/	/	<=13	Pass
	2565	Outer_Full	4.08	/	/	<=13	Pass
DFT-s-OFDM QPSK	2505	Outer_Full	4.48	/	/	<=13	Pass
	2535	Outer_Full	4.54	/	/	<=13	Pass
	2565	Outer_Full	4.88	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2505	Outer_Full	5.55	/	/	<=13	Pass
	2535	Outer_Full	5.66	/	/	<=13	Pass
	2565	Outer_Full	5.99	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2505	Outer_Full	5.98	/	/	<=13	Pass
	2535	Outer_Full	6.07	/	/	<=13	Pass
	2565	Outer_Full	6.28	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2505	Outer_Full	6.51	/	/	<=13	Pass
	2535	Outer_Full	6.51	/	/	<=13	Pass
	2565	Outer_Full	6.49	/	/	<=13	Pass
CP-OFDM QPSK	2505	Outer_Full	7.09	/	/	<=13	Pass
	2535	Outer_Full	7.09	/	/	<=13	Pass
	2565	Outer_Full	6.73	/	/	<=13	Pass
CP-OFDM 16 QAM	2505	Outer_Full	6.80	/	/	<=13	Pass
	2535	Outer_Full	6.84	/	/	<=13	Pass
	2565	Outer_Full	7.35	/	/	<=13	Pass
CP-OFDM 64 QAM	2505	Outer_Full	7.21	/	/	<=13	Pass
	2535	Outer_Full	7.33	/	/	<=13	Pass
	2565	Outer_Full	6.93	/	/	<=13	Pass
CP-OFDM 256 QAM	2505	Outer_Full	8.52	/	/	<=13	Pass
	2535	Outer_Full	8.57	/	/	<=13	Pass
	2565	Outer_Full	8.48	/	/	<=13	Pass

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4.2.2 Test Graph

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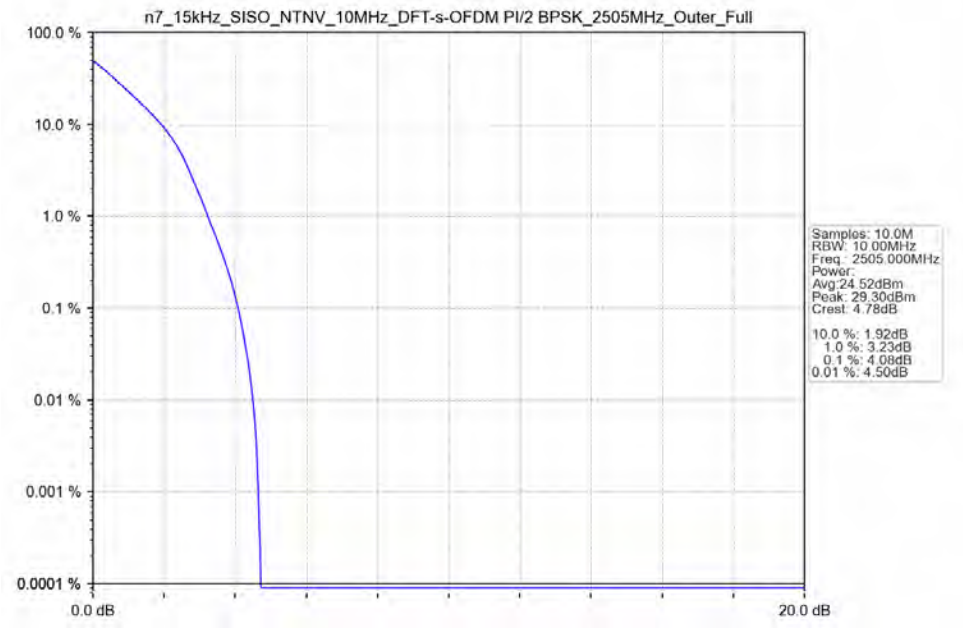

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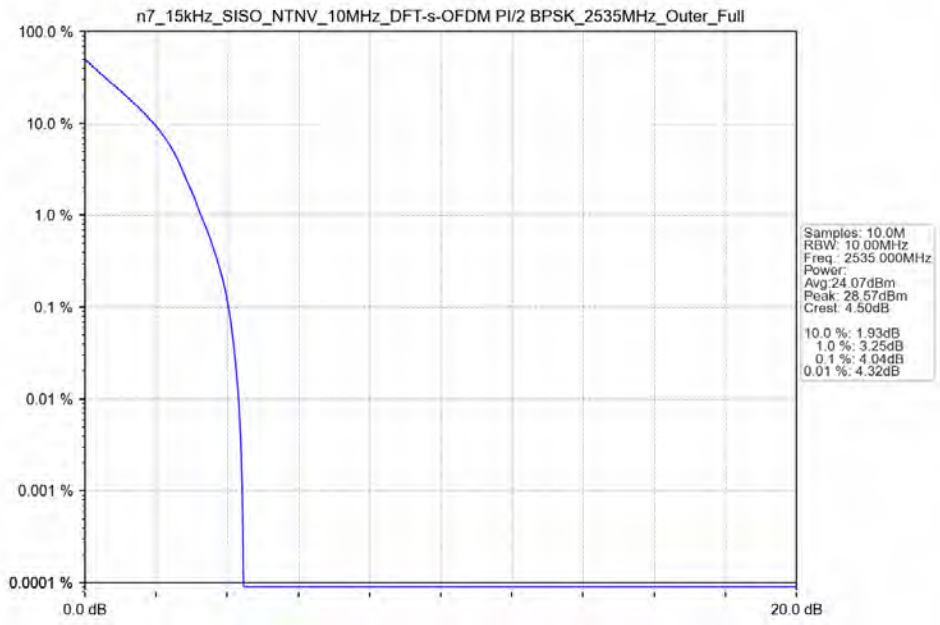

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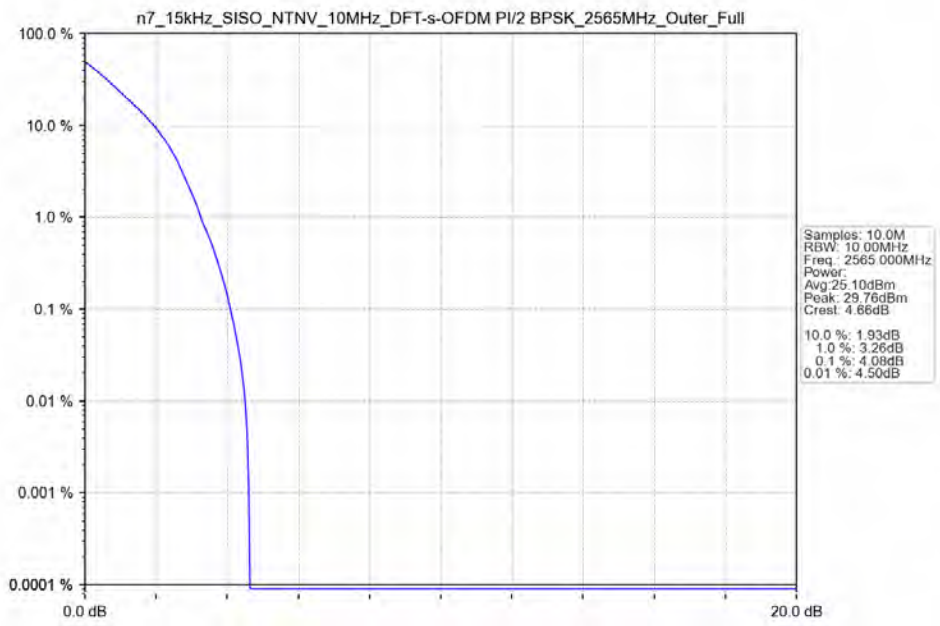

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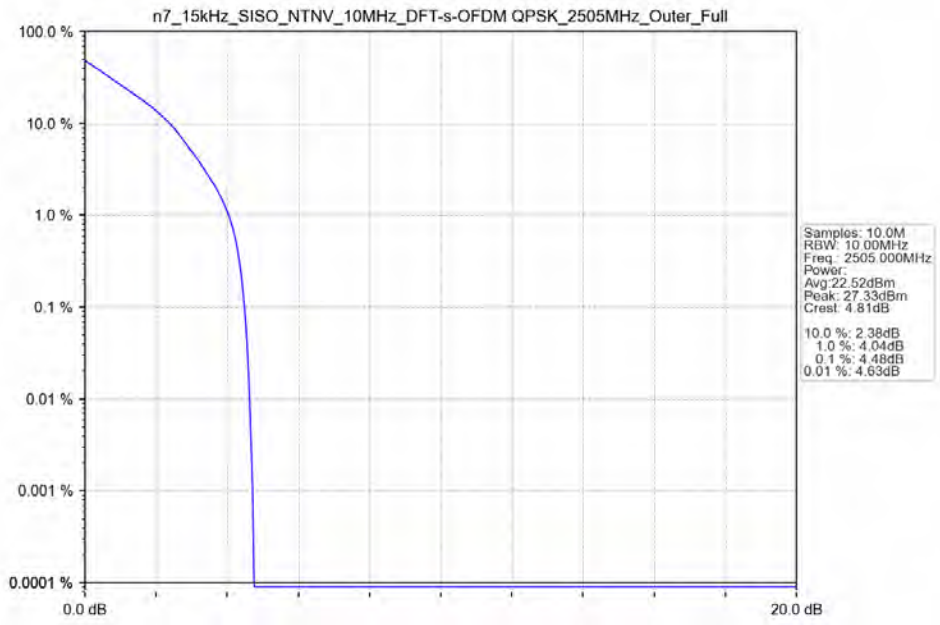

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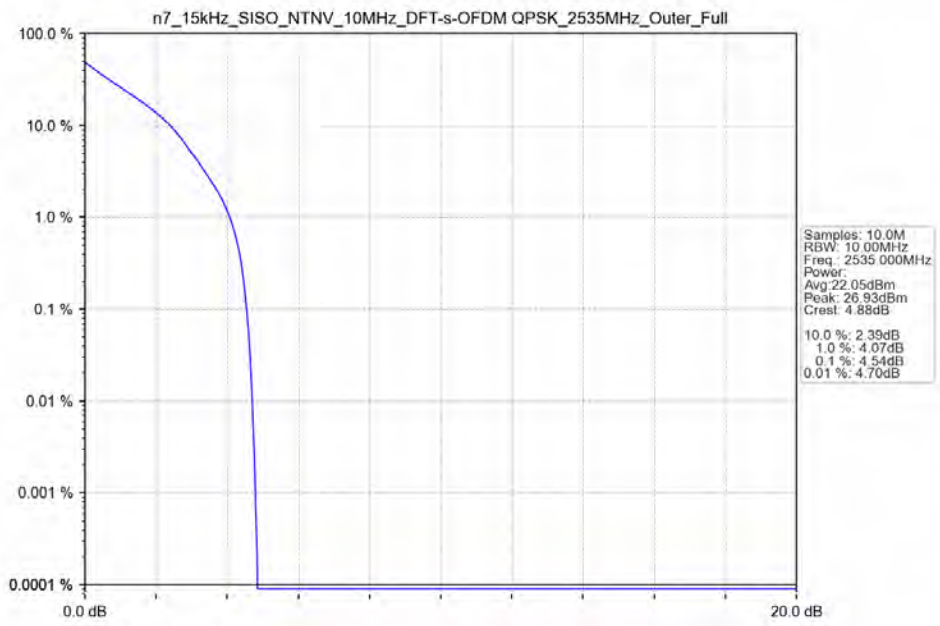

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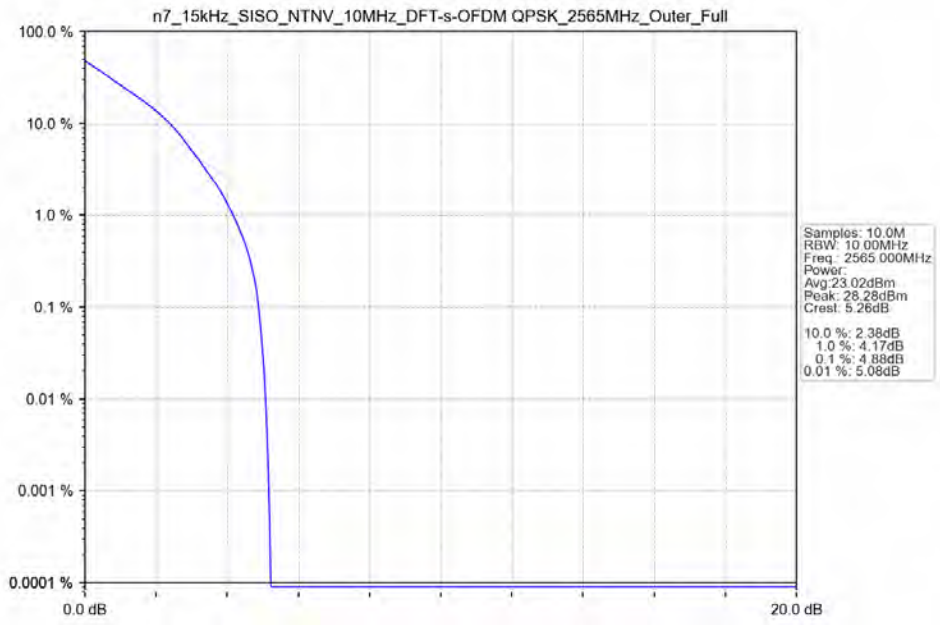

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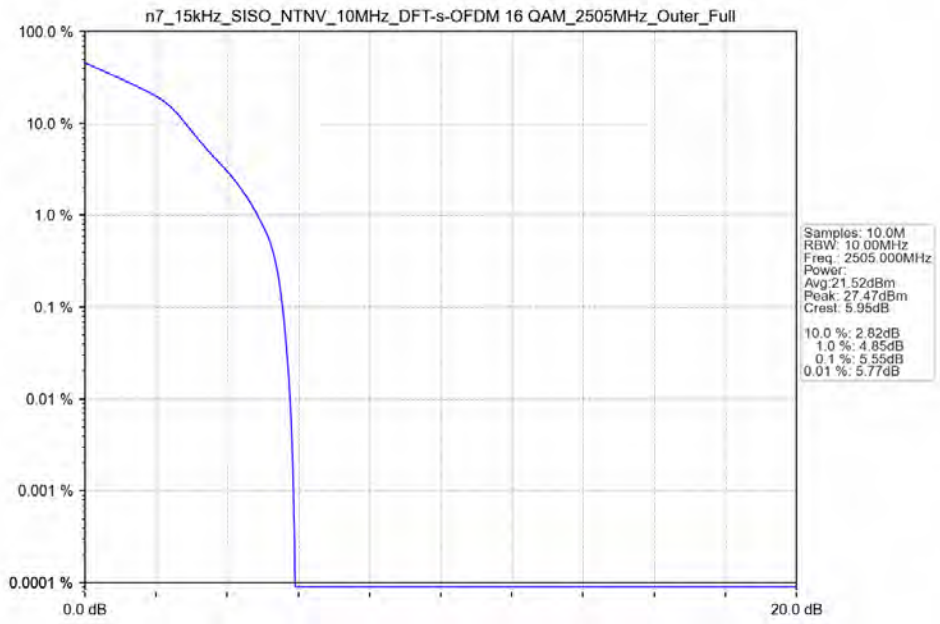

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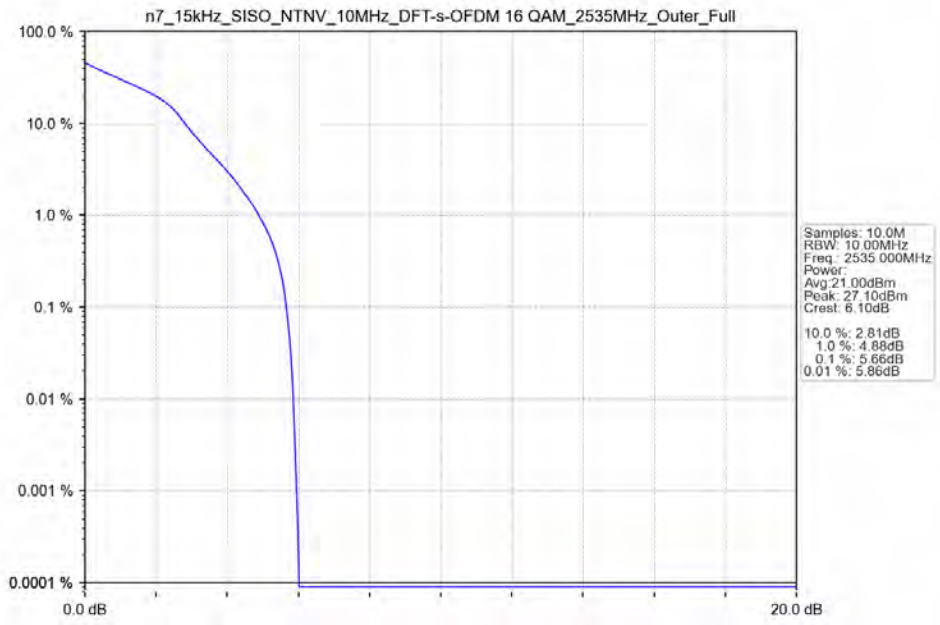

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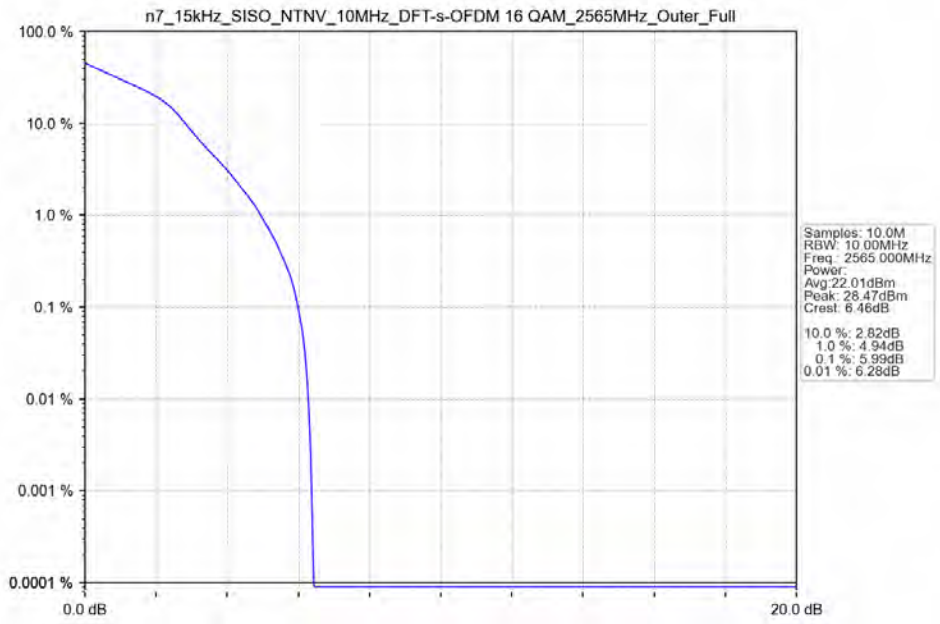
n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_2565MHz_Outer_Full



n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_2505MHz_Outer_Full

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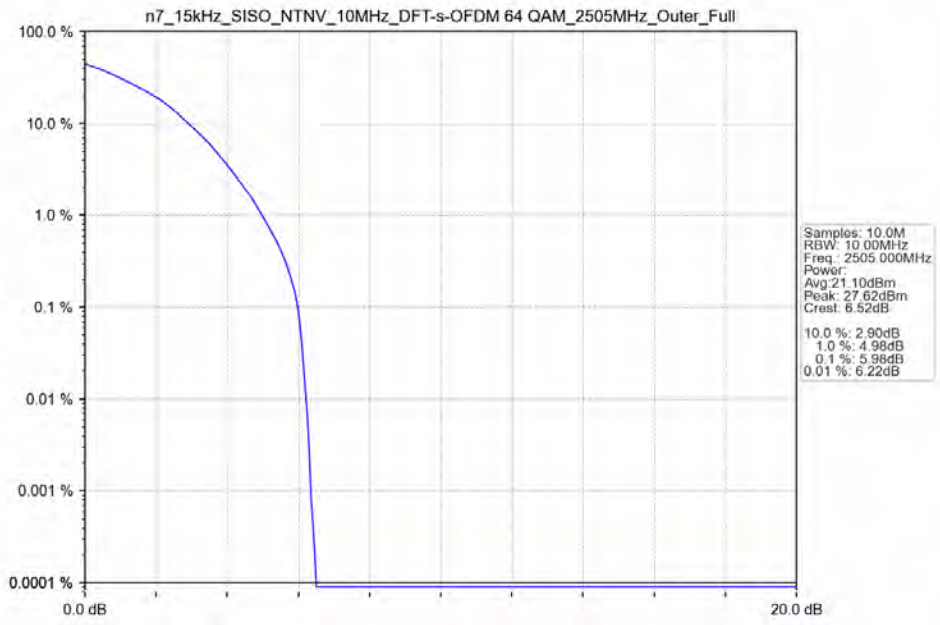

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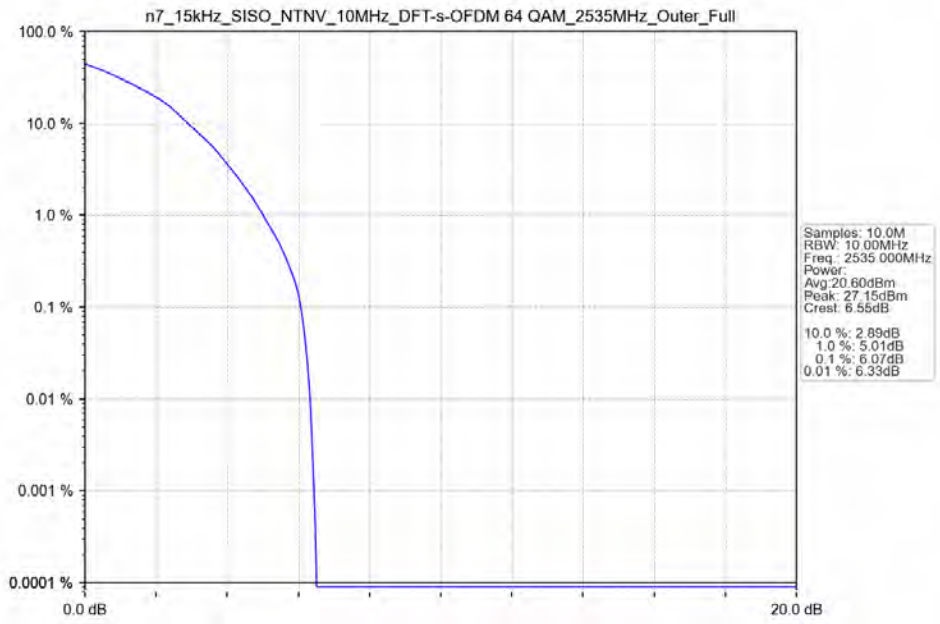

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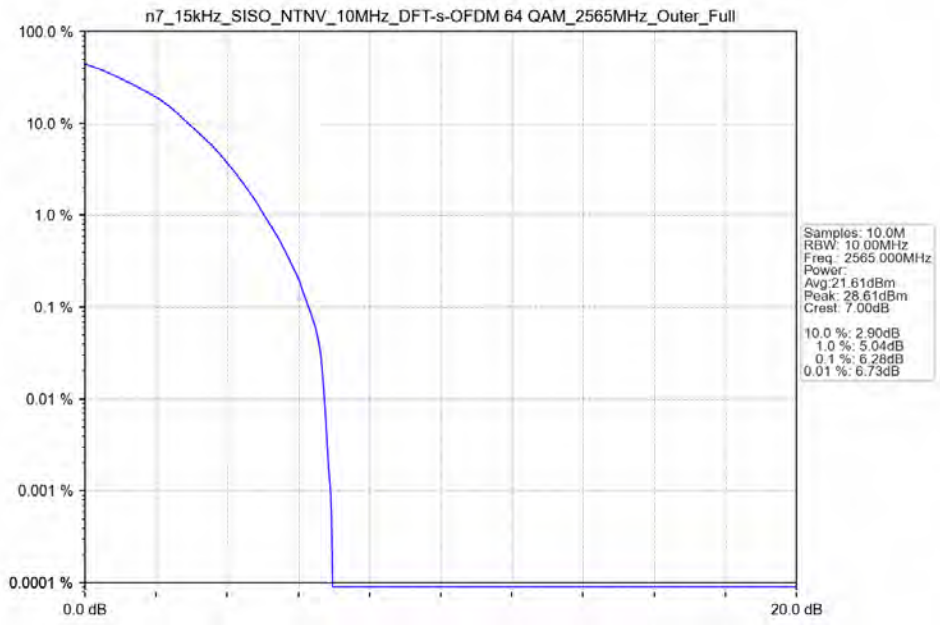

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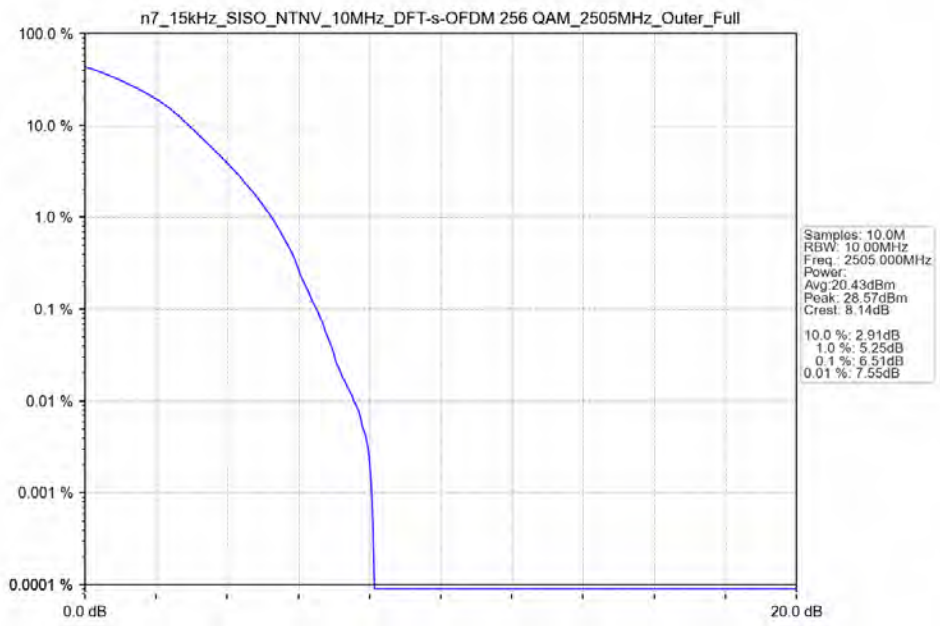

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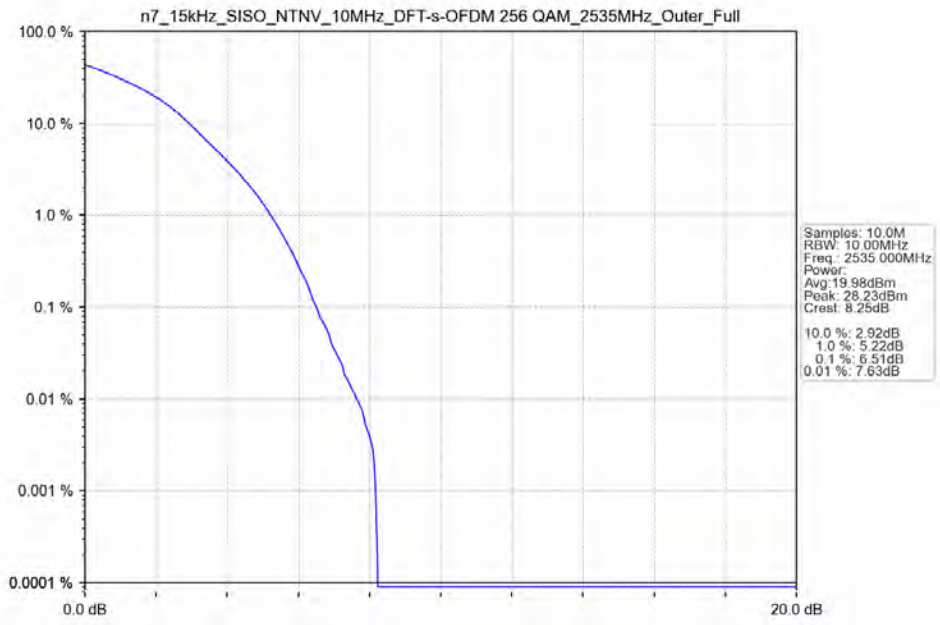

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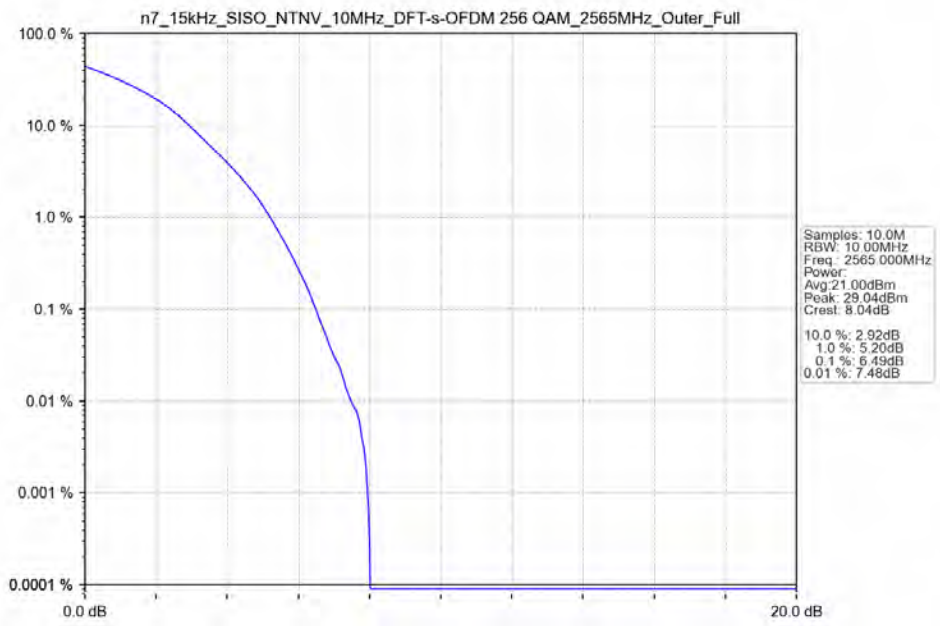

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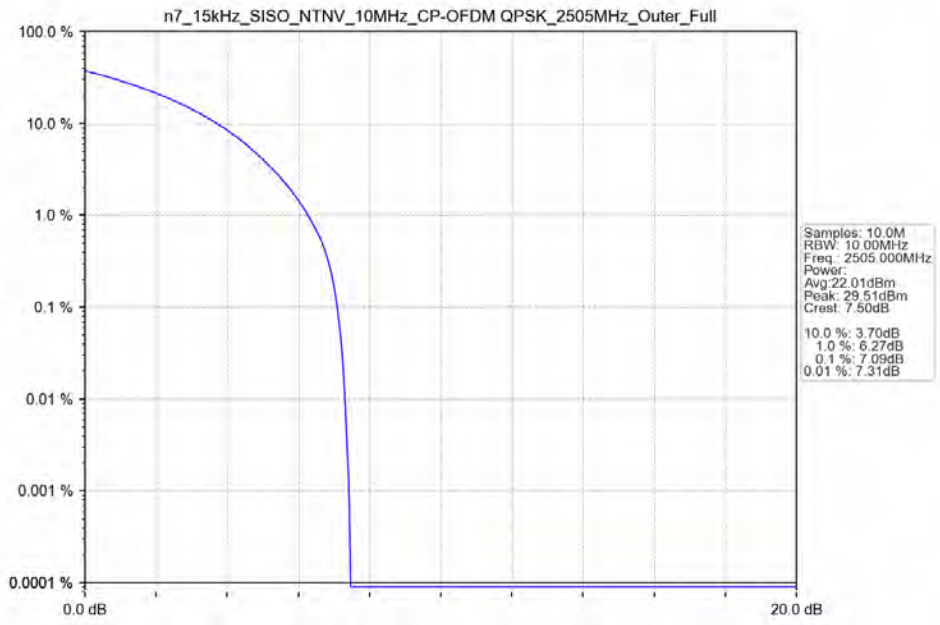

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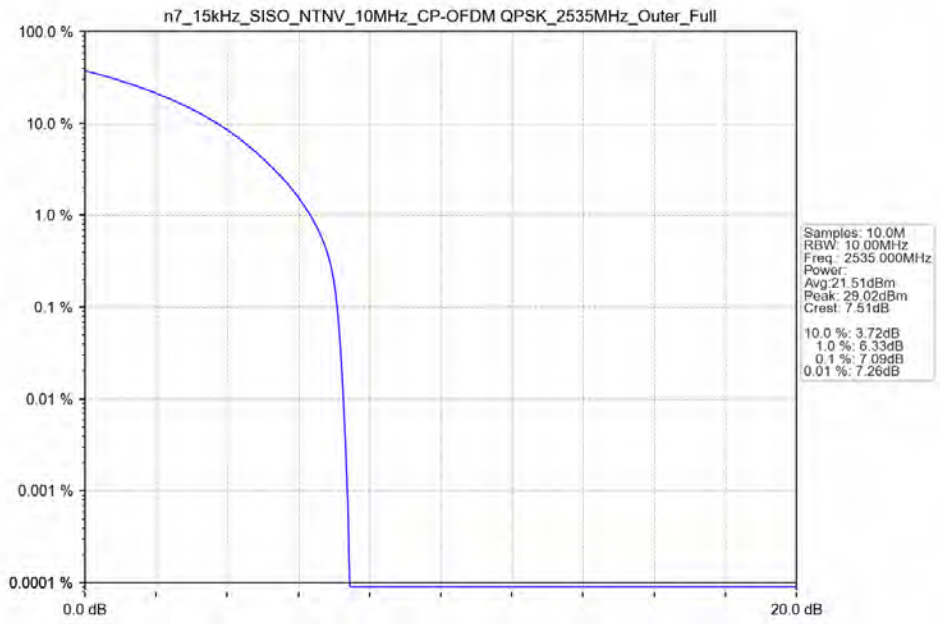

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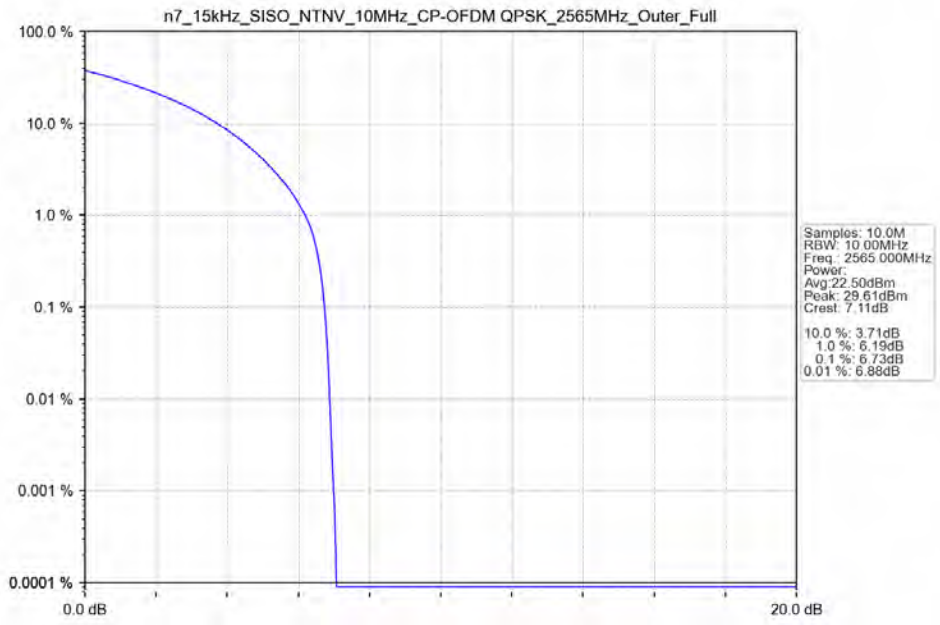

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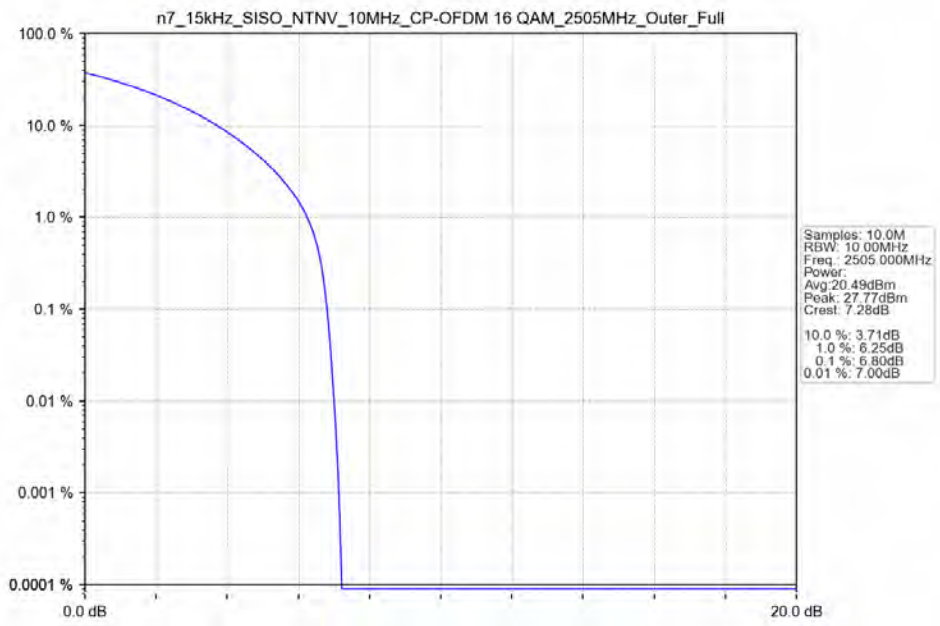

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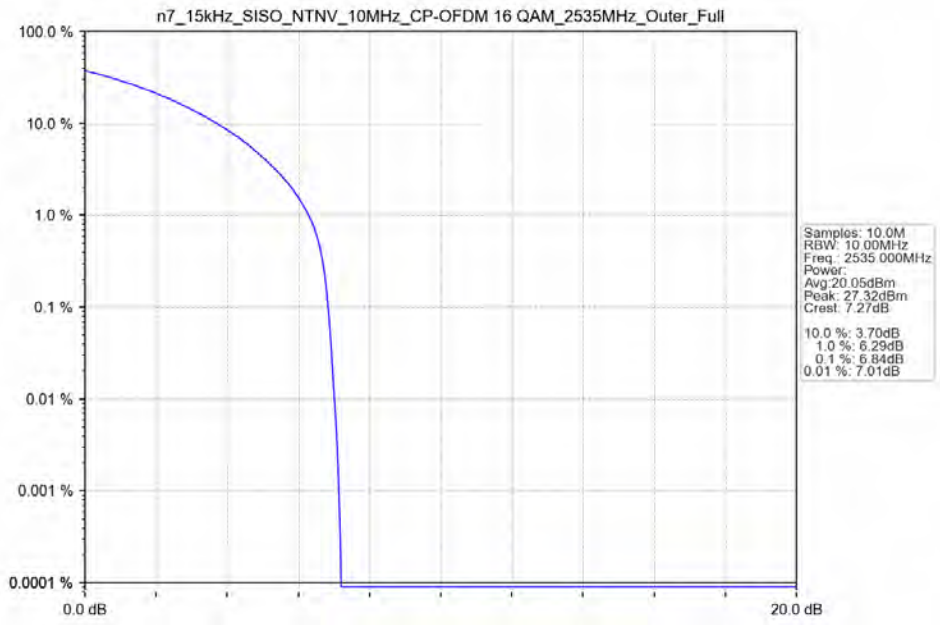

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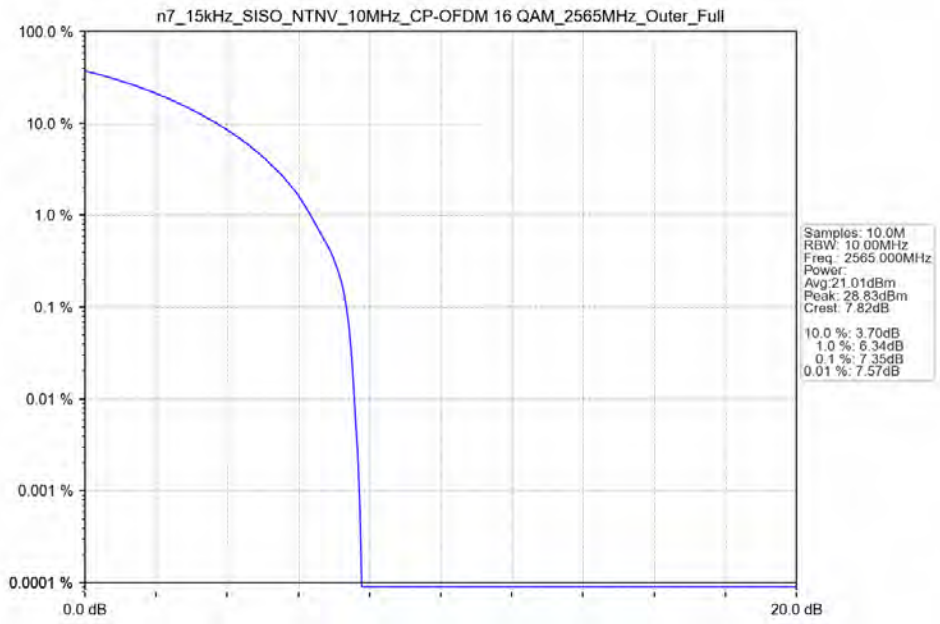
n7_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_2565MHz_Outer_Full



n7_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_2505MHz_Outer_Full

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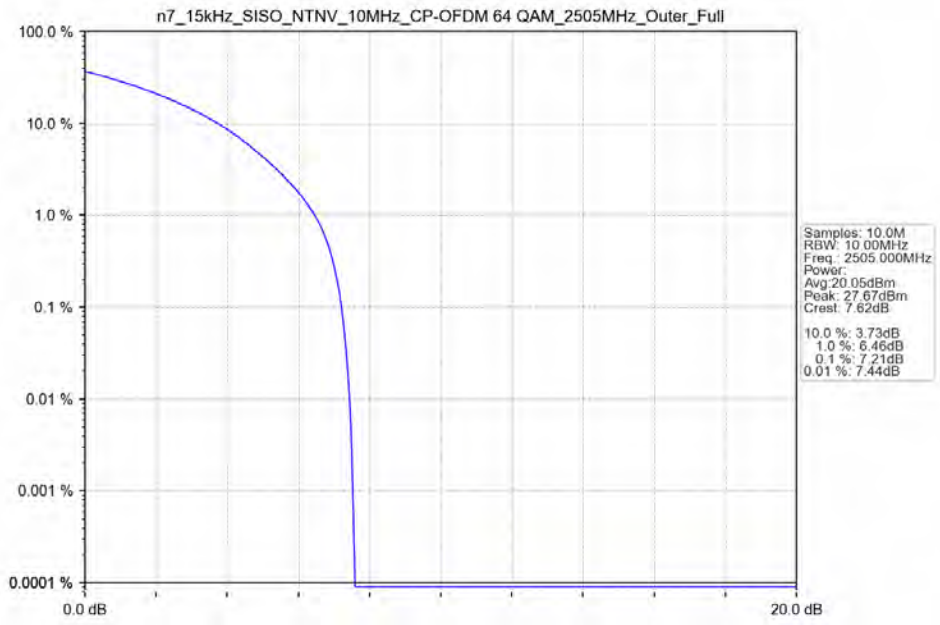

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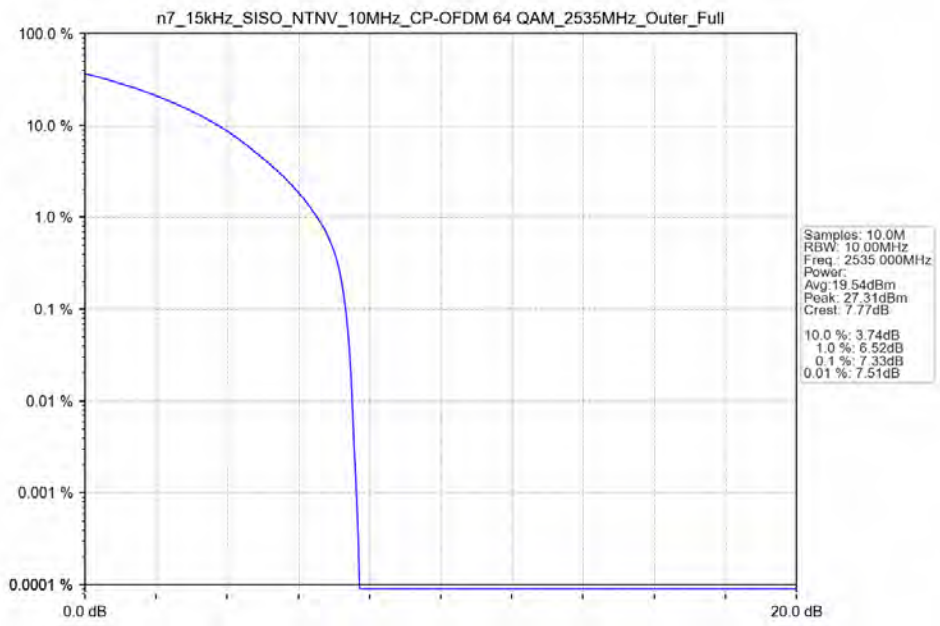
n7_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_2535MHz_Outer_Full



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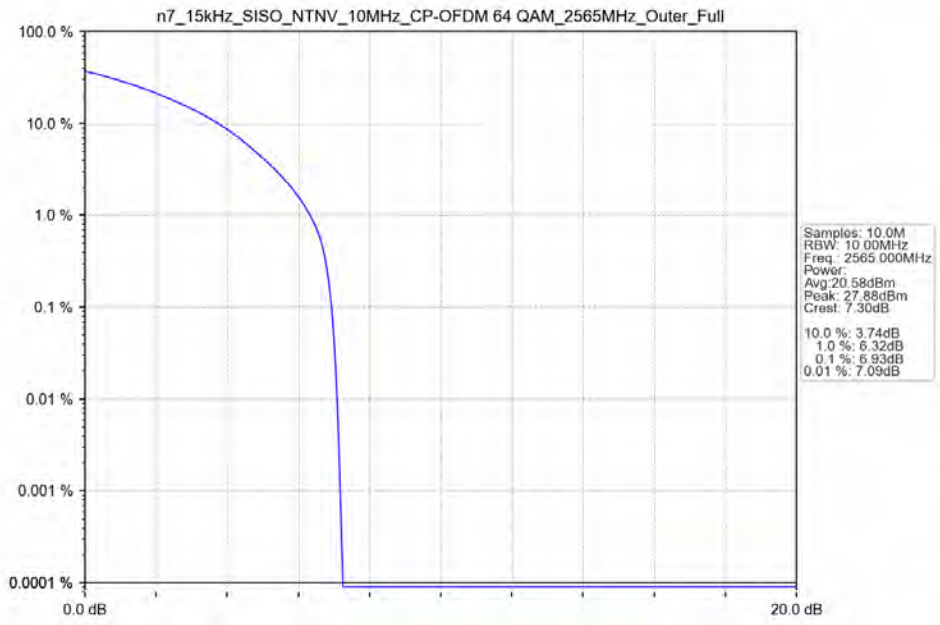

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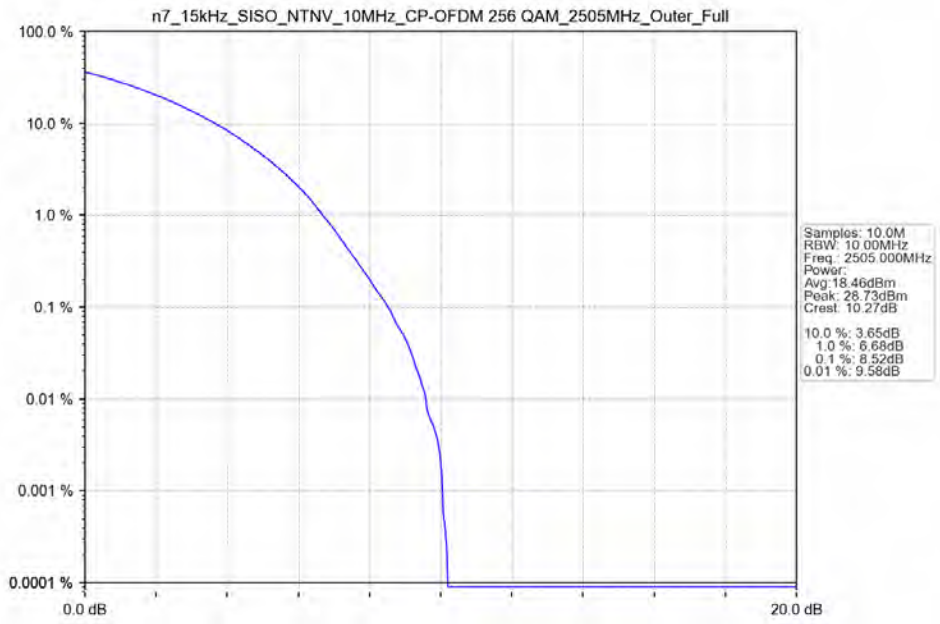

n7_15kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_2535MHz_Outer_Full

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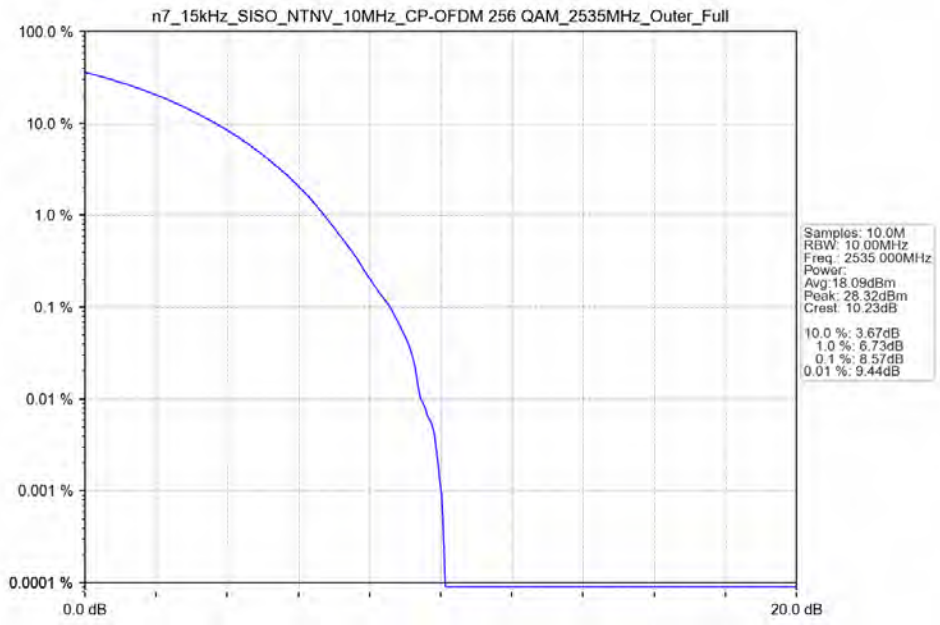

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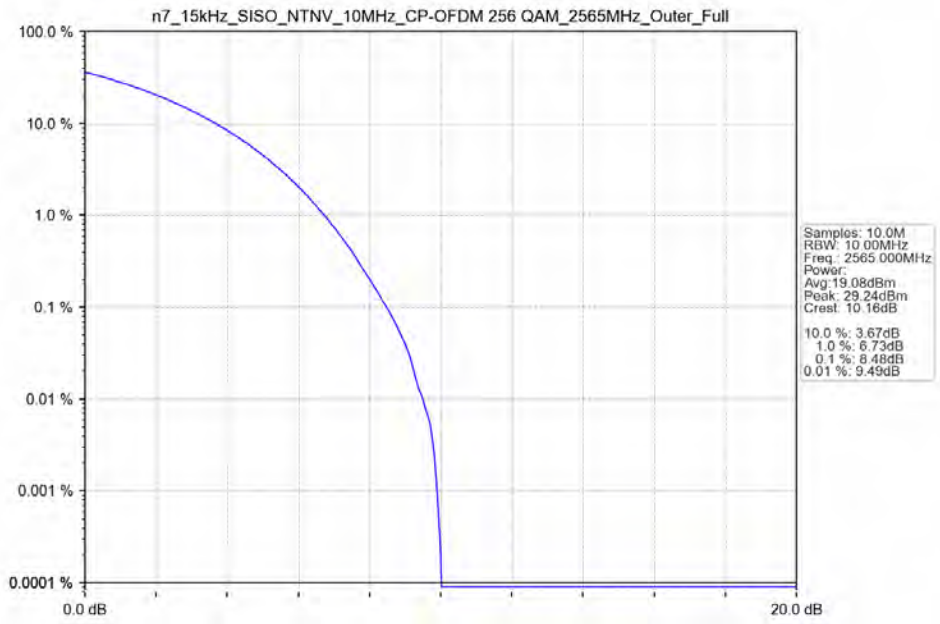

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4.3 15k_SISO_15MHz_NTNV

4.3.1 Test Result

5G NR n7 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	2507.5	Outer_Full	4.05	/	/	<=13	Pass
	2535	Outer_Full	3.97	/	/	<=13	Pass
	2562.5	Outer_Full	3.70	/	/	<=13	Pass
DFT-s-OFDM QPSK	2507.5	Outer_Full	4.53	/	/	<=13	Pass
	2535	Outer_Full	5.17	/	/	<=13	Pass
	2562.5	Outer_Full	4.96	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2507.5	Outer_Full	5.58	/	/	<=13	Pass
	2535	Outer_Full	5.33	/	/	<=13	Pass
	2562.5	Outer_Full	5.25	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2507.5	Outer_Full	6.05	/	/	<=13	Pass
	2535	Outer_Full	5.89	/	/	<=13	Pass
	2562.5	Outer_Full	5.85	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2507.5	Outer_Full	6.48	/	/	<=13	Pass
	2535	Outer_Full	6.57	/	/	<=13	Pass
	2562.5	Outer_Full	6.49	/	/	<=13	Pass
CP-OFDM QPSK	2507.5	Outer_Full	6.36	/	/	<=13	Pass
	2535	Outer_Full	6.82	/	/	<=13	Pass
	2562.5	Outer_Full	6.64	/	/	<=13	Pass
CP-OFDM 16 QAM	2507.5	Outer_Full	6.91	/	/	<=13	Pass
	2535	Outer_Full	6.65	/	/	<=13	Pass
	2562.5	Outer_Full	6.58	/	/	<=13	Pass
CP-OFDM 64 QAM	2507.5	Outer_Full	7.28	/	/	<=13	Pass
	2535	Outer_Full	7.28	/	/	<=13	Pass
	2562.5	Outer_Full	7.27	/	/	<=13	Pass
CP-OFDM 256 QAM	2507.5	Outer_Full	8.32	/	/	<=13	Pass
	2535	Outer_Full	8.35	/	/	<=13	Pass
	2562.5	Outer_Full	8.32	/	/	<=13	Pass

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4.3.2 Test Graph

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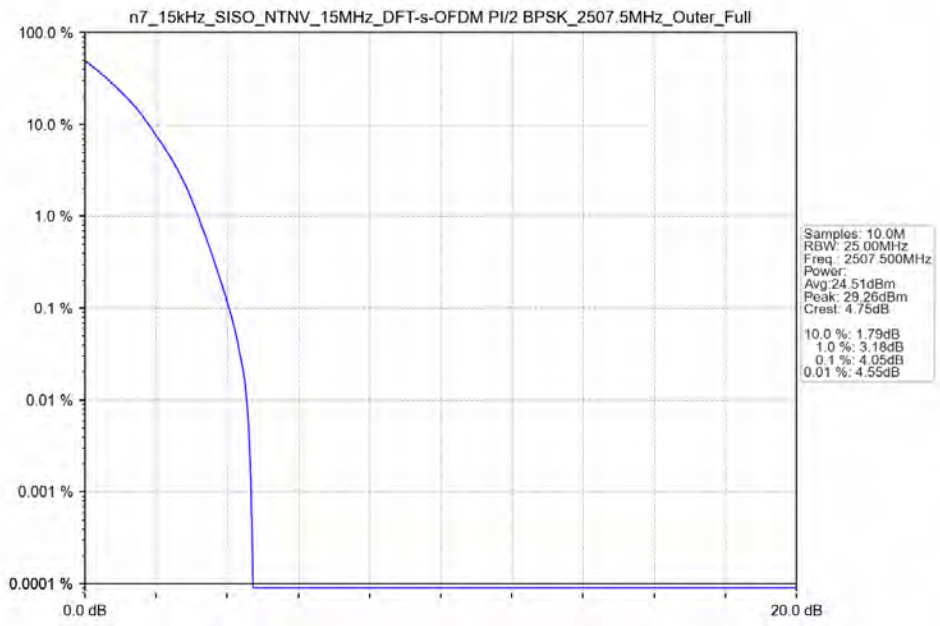

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Outer_Full

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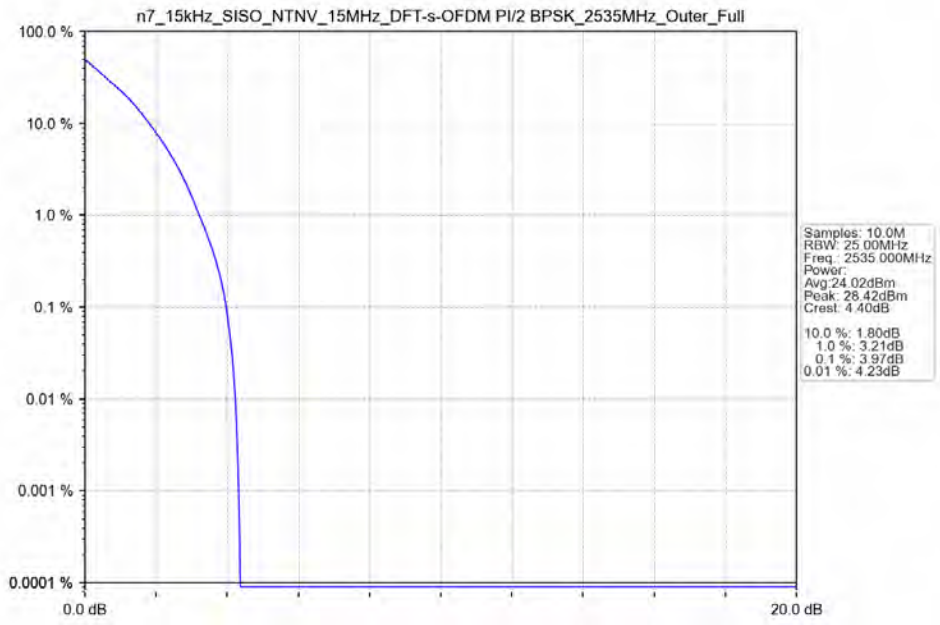

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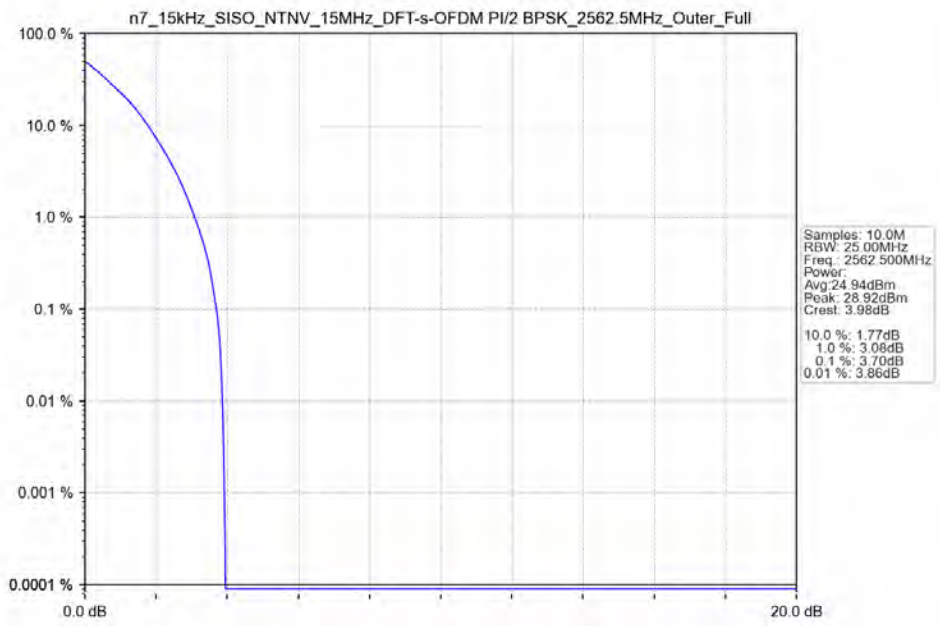

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_2507.5MHz_Outer_Full

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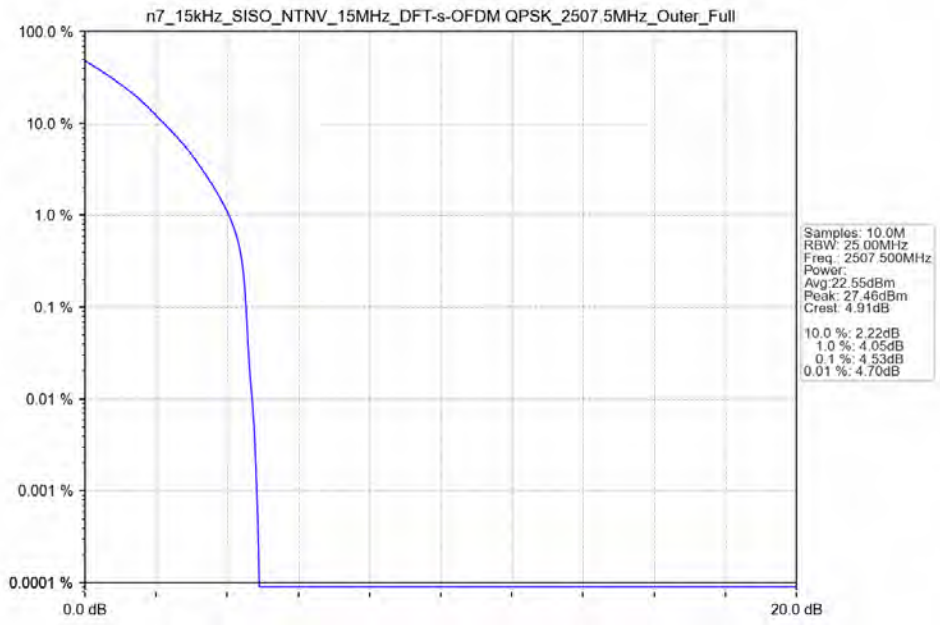

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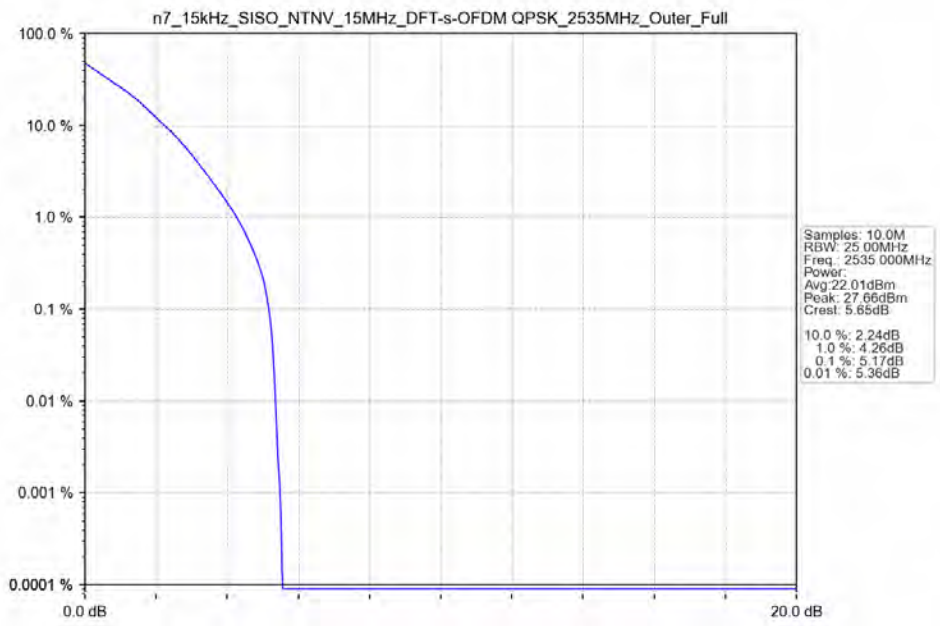
n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_2535MHz_Outer_Full



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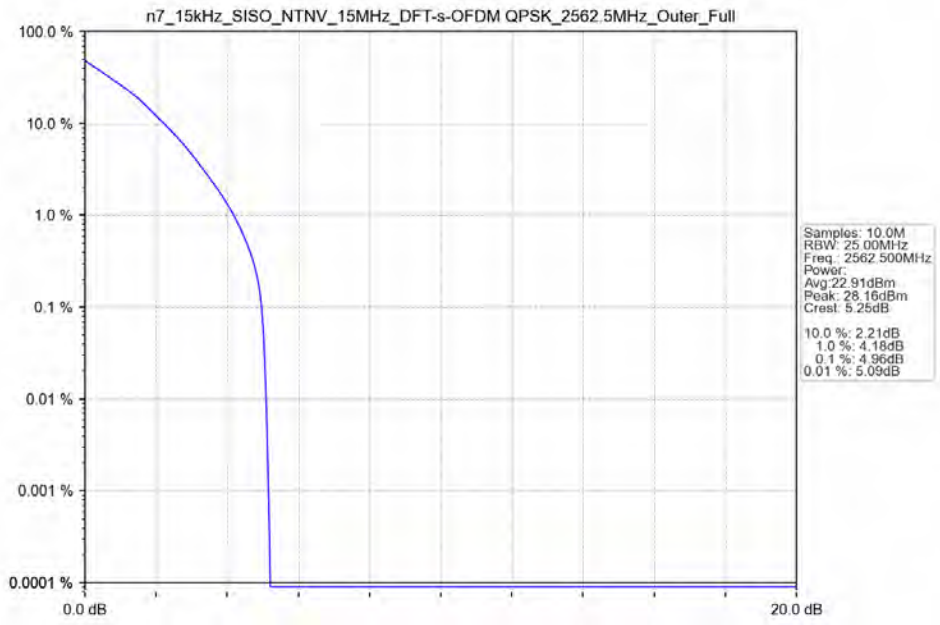

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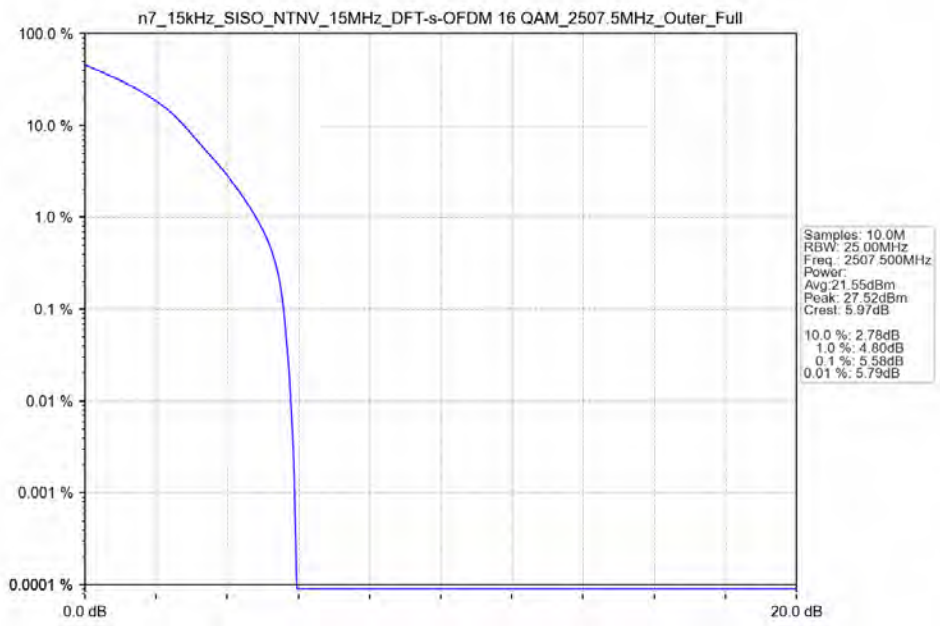

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_2535MHz_Outer_Full

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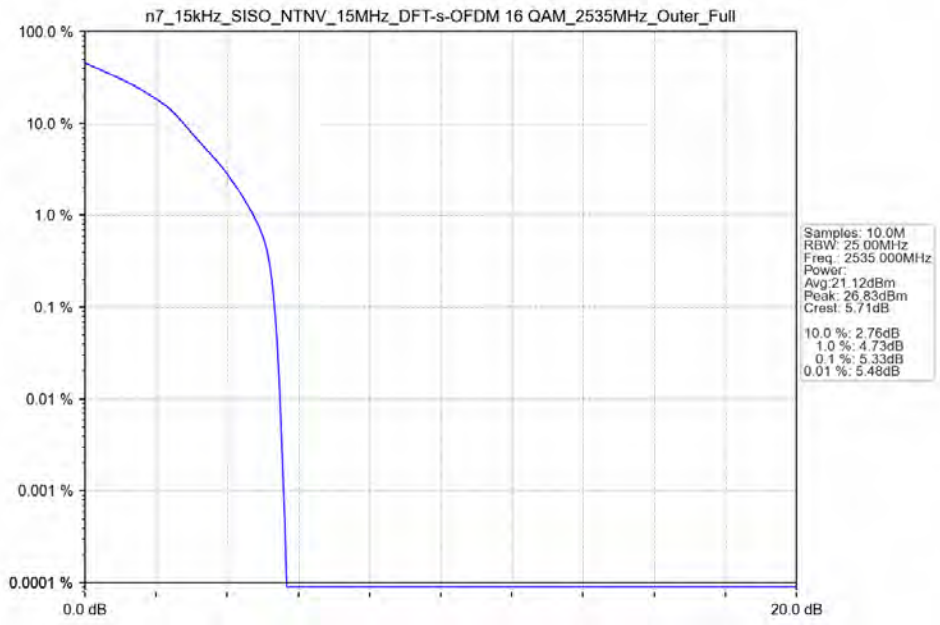

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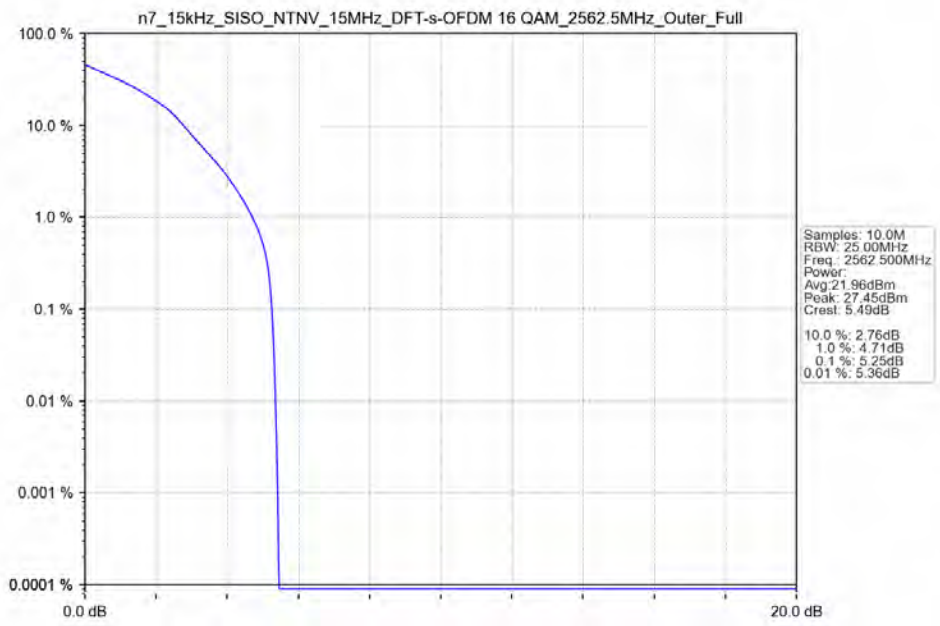

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_2507.5MHz_Outer_Full

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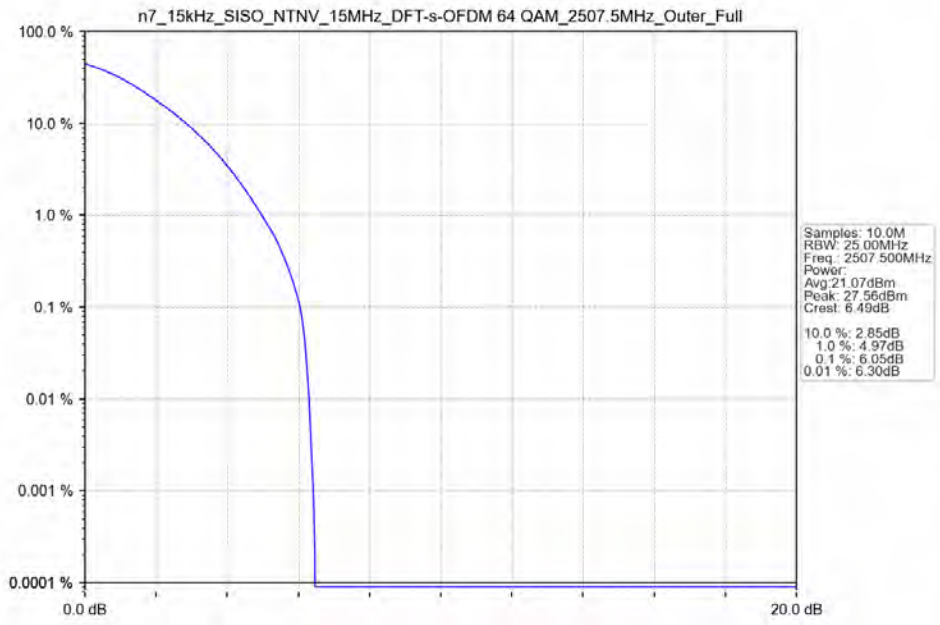

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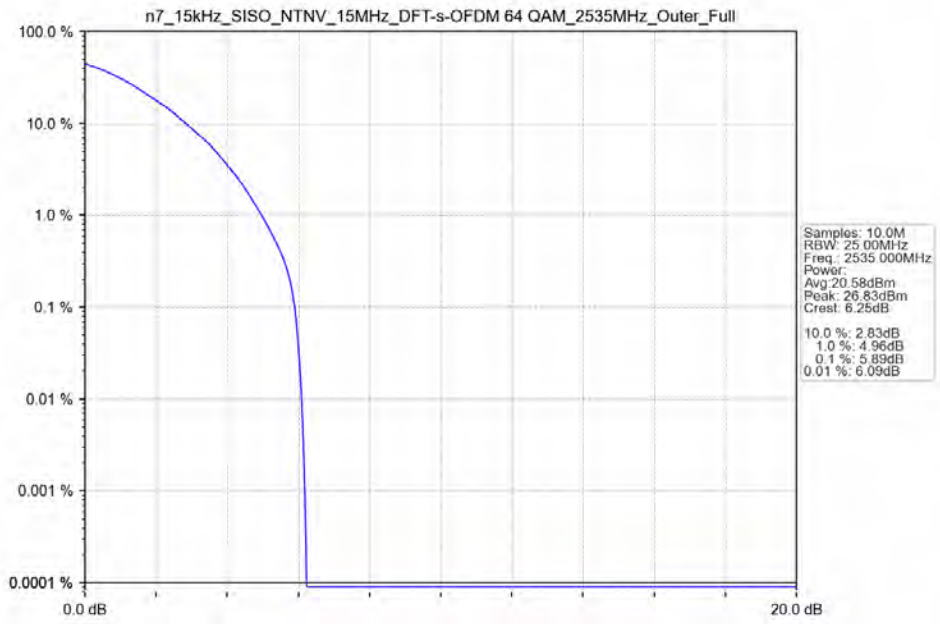

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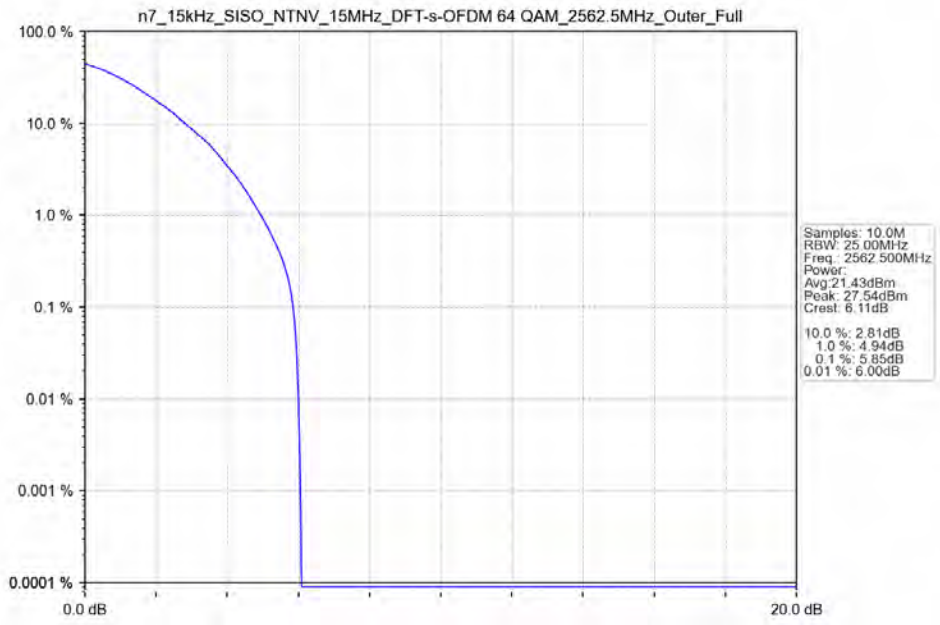

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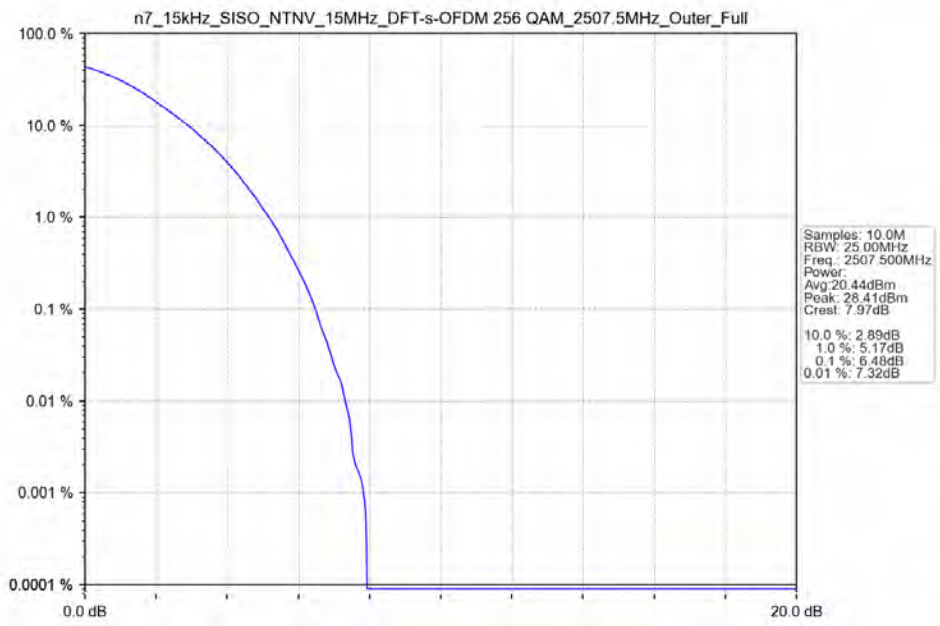

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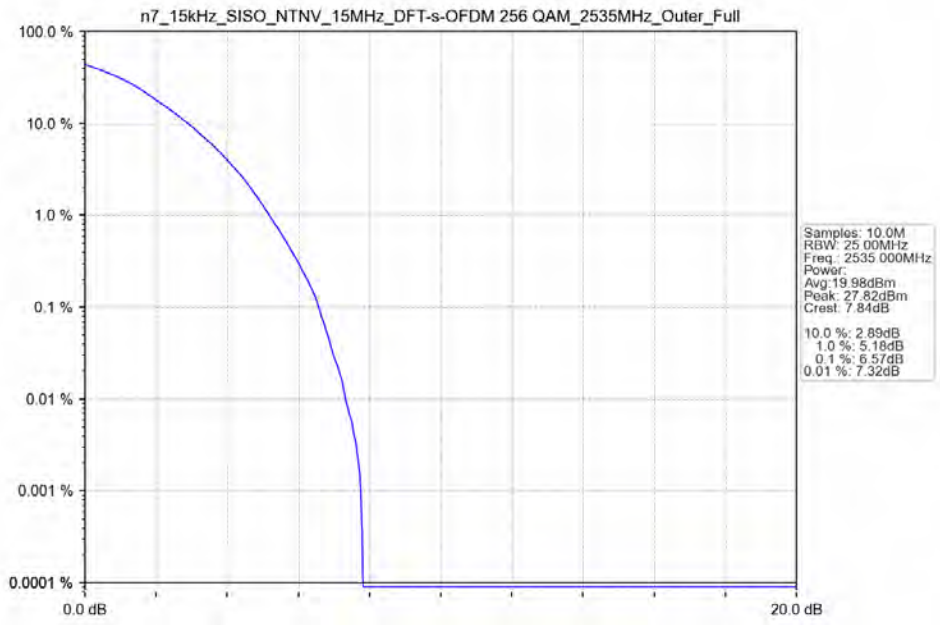

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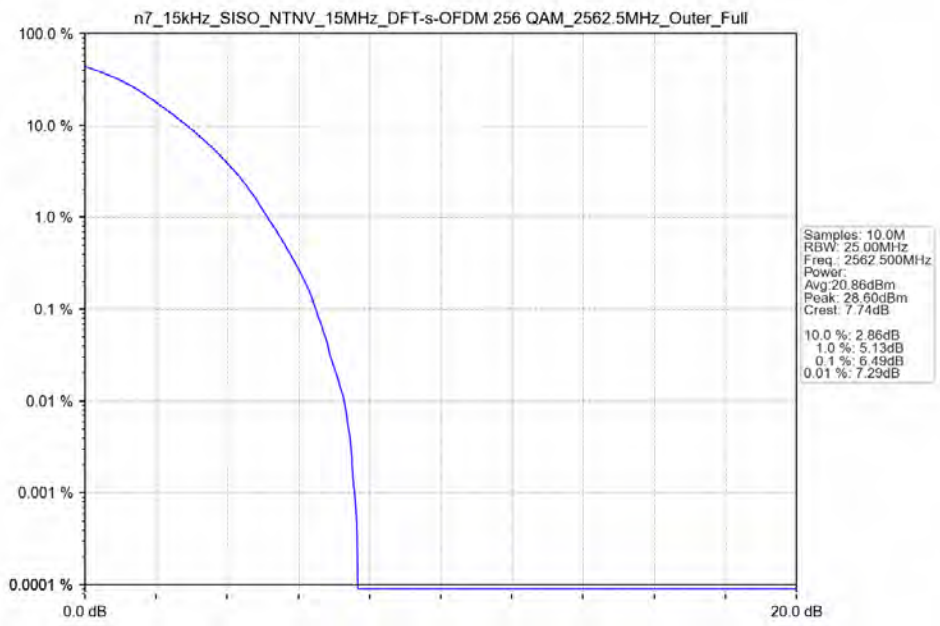

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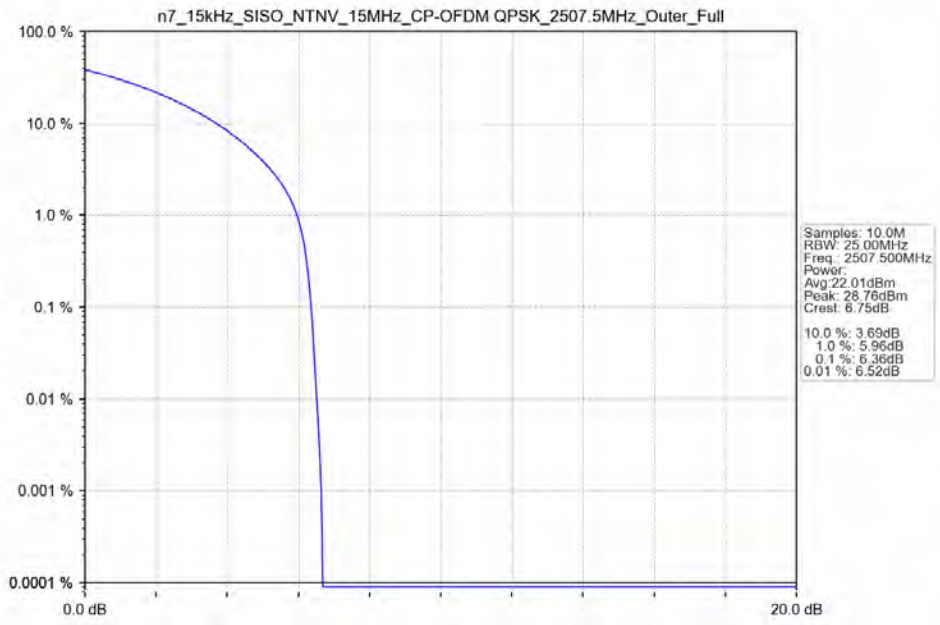

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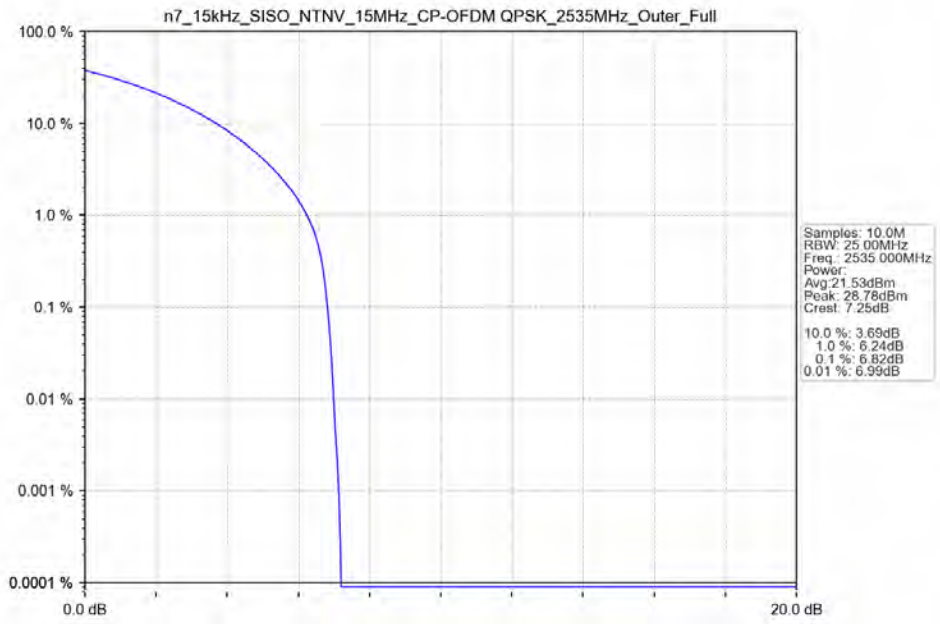

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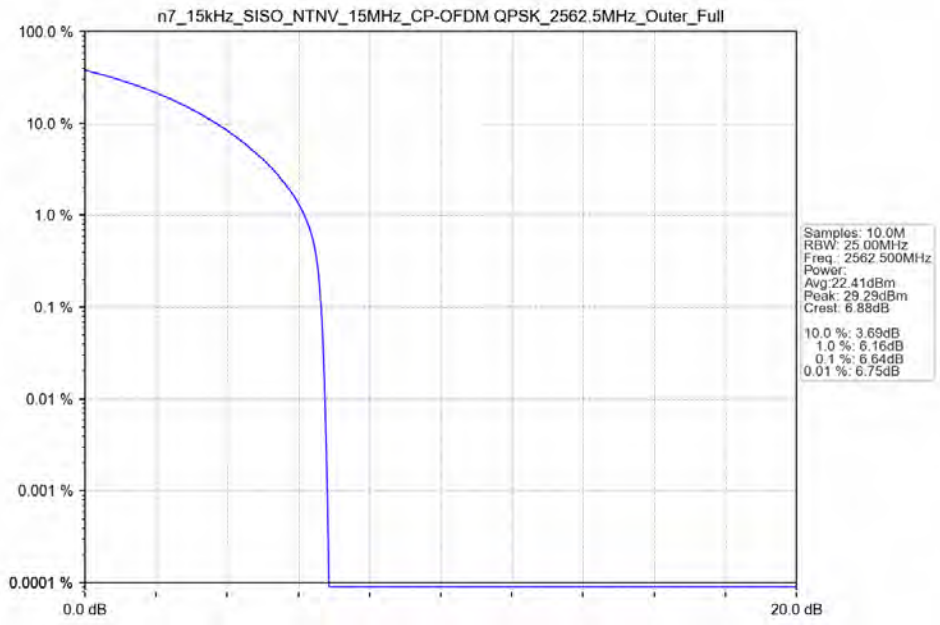

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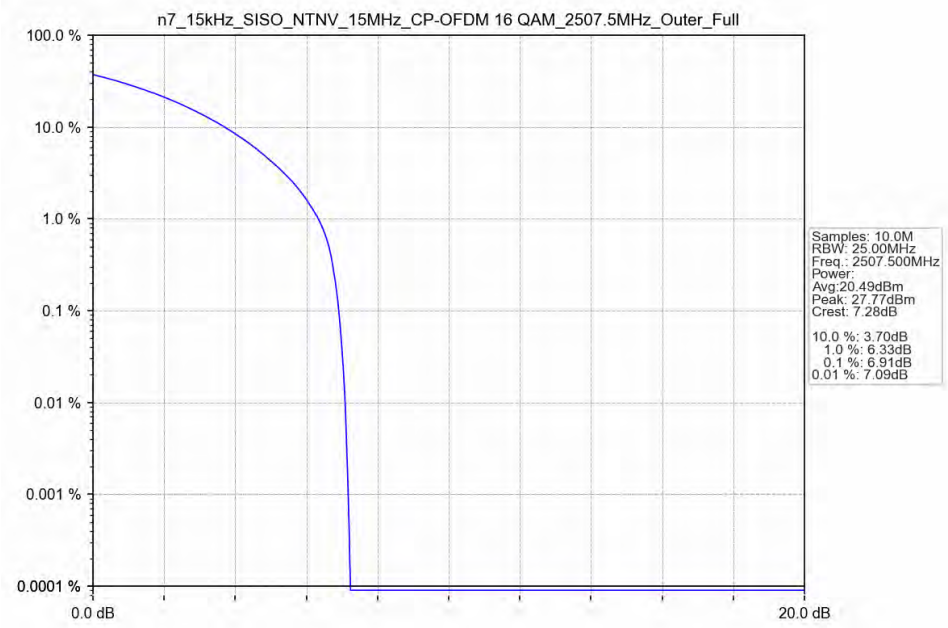
n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_2507.5MHz_Outer_Full



n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_2535MHz_Outer_Full

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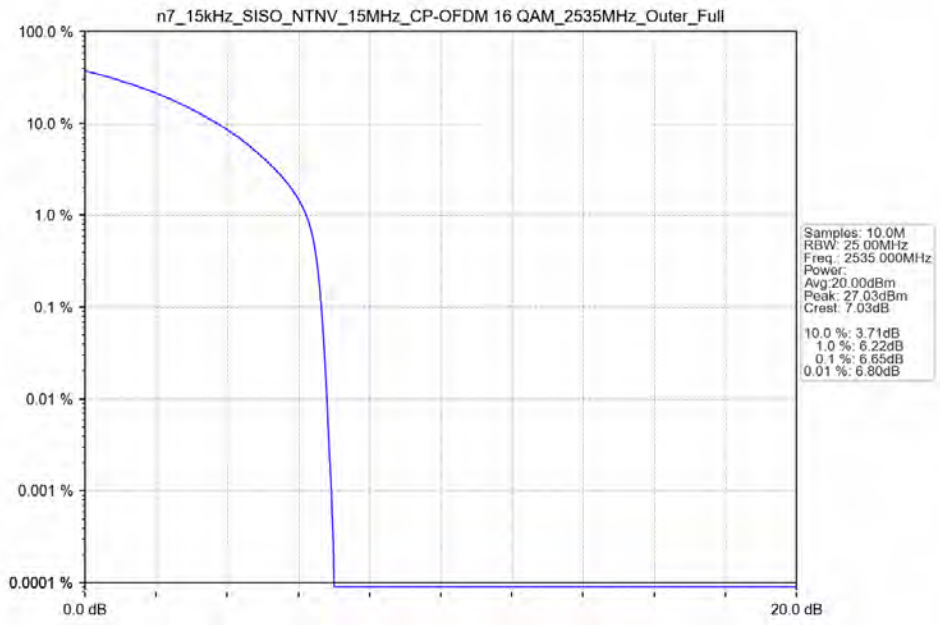

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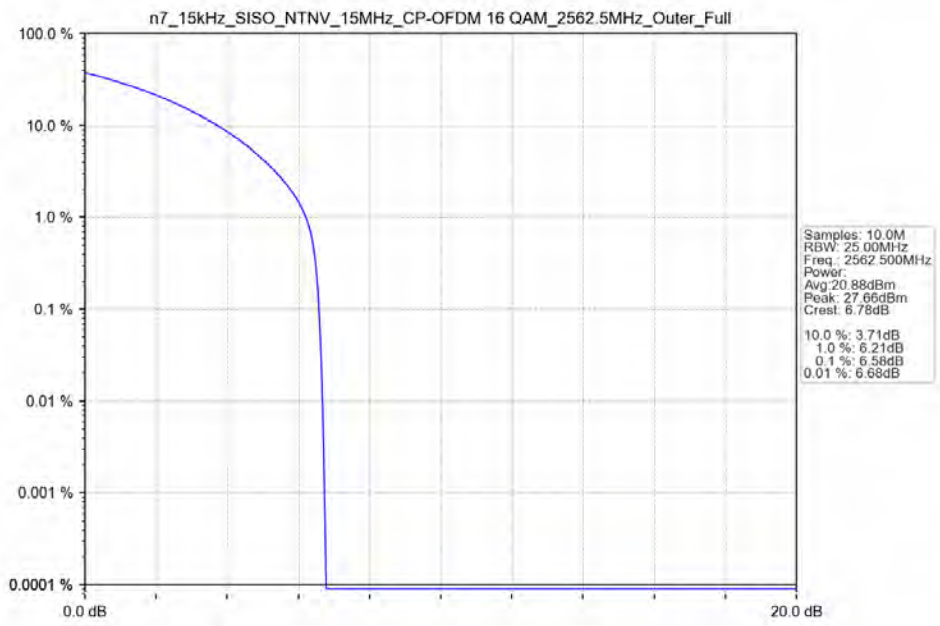

n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_2507.5MHz_Outer_Full

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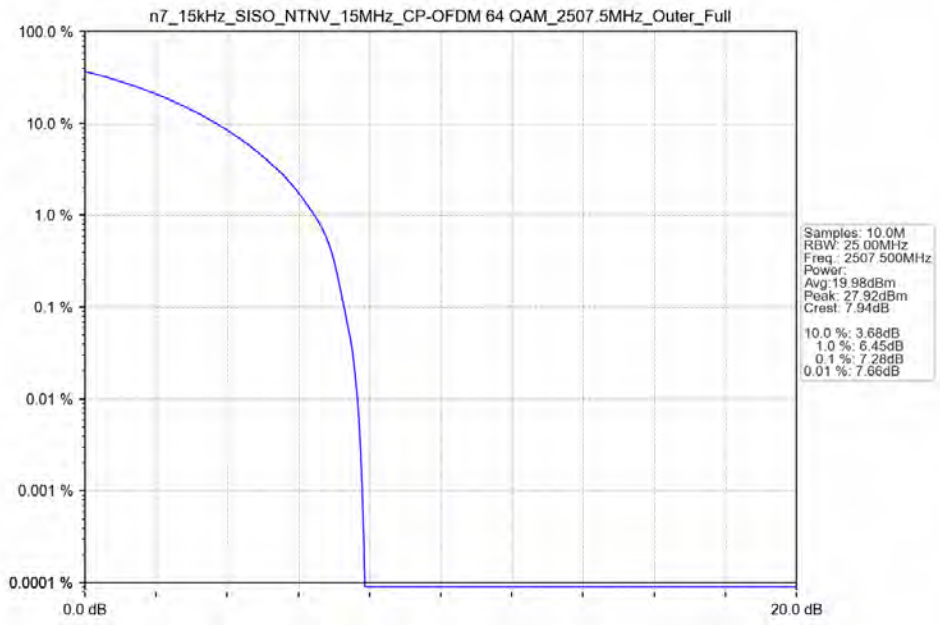

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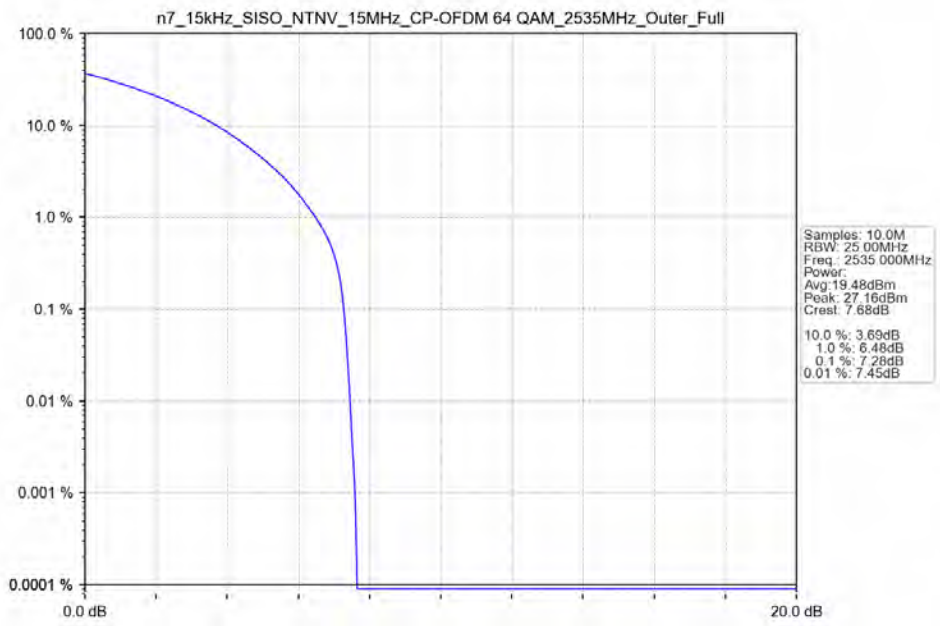
n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_2535MHz_Outer_Full



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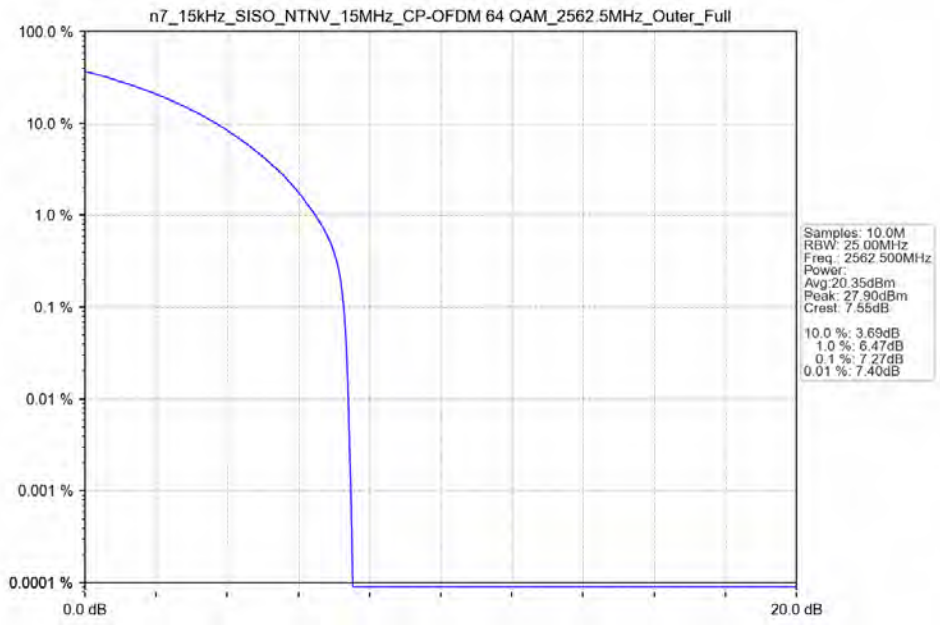

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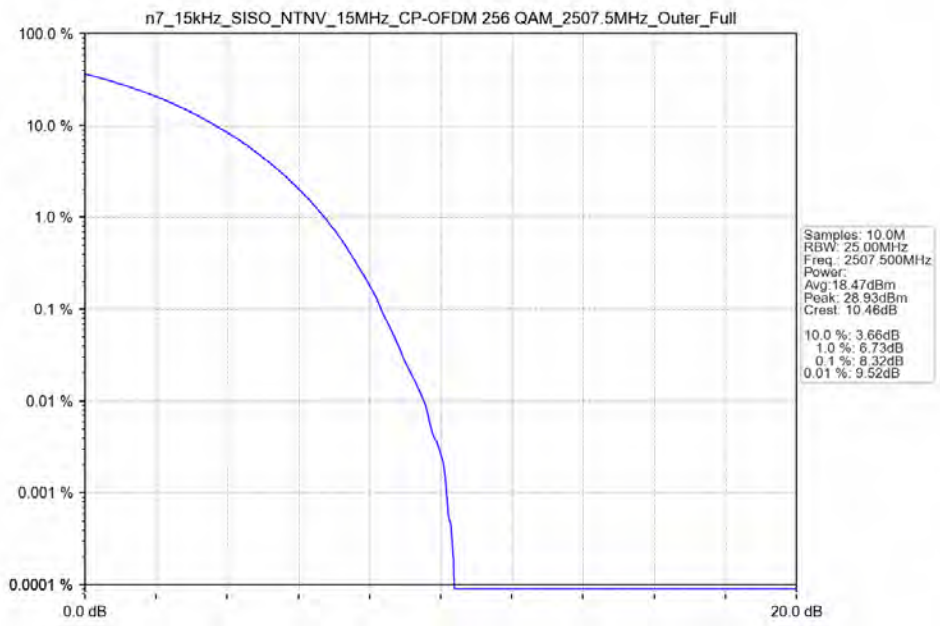

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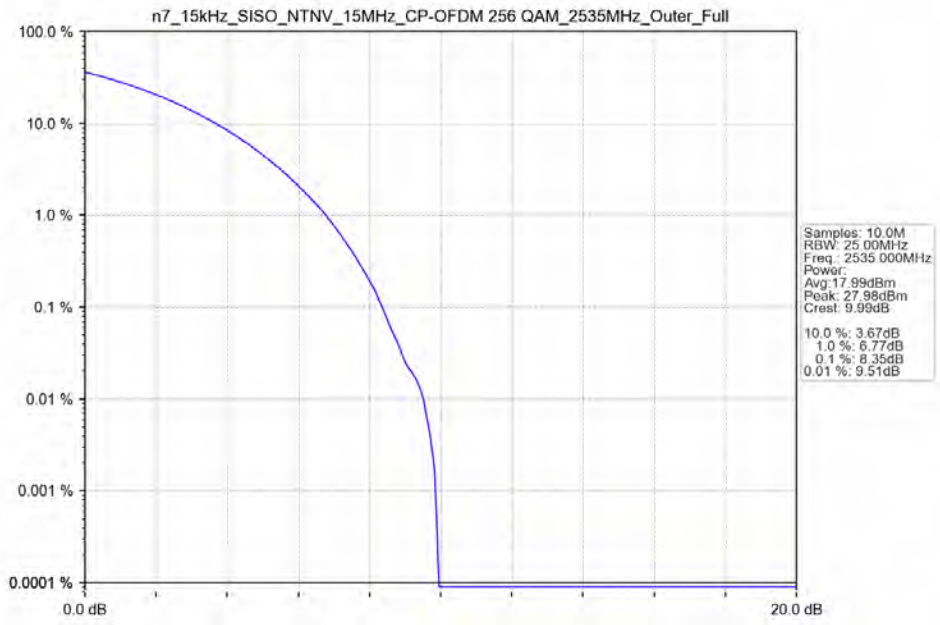

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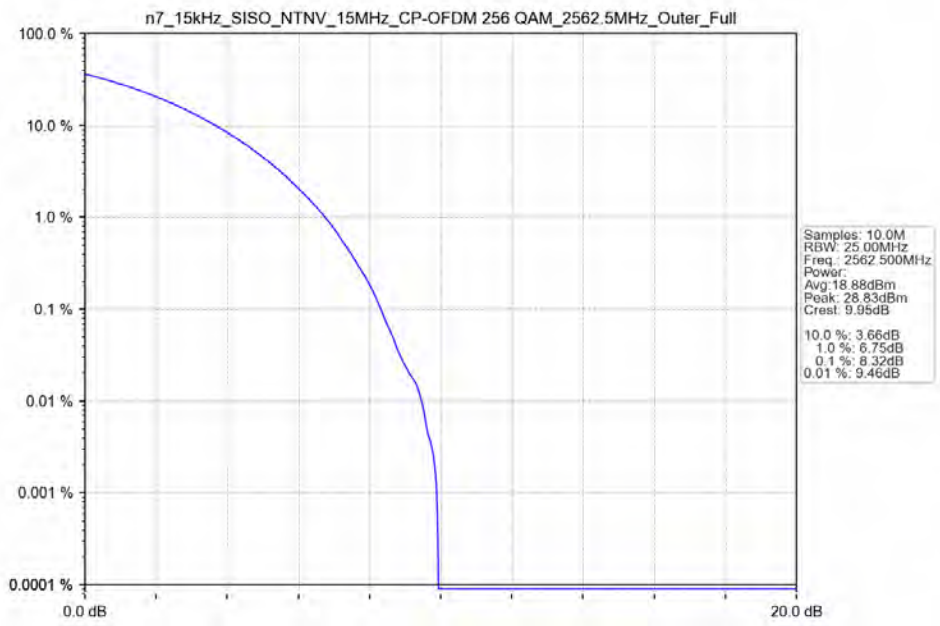

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4.4 15k_SISO_20MHz_NTNV

4.4.1 Test Result

5G NR n7 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	2510	Outer_Full	3.72	/	/	<=13	Pass
	2535	Outer_Full	4.08	/	/	<=13	Pass
	2560	Outer_Full	3.73	/	/	<=13	Pass
DFT-s-OFDM QPSK	2510	Outer_Full	4.70	/	/	<=13	Pass
	2535	Outer_Full	5.21	/	/	<=13	Pass
	2560	Outer_Full	4.98	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2510	Outer_Full	5.43	/	/	<=13	Pass
	2535	Outer_Full	6.14	/	/	<=13	Pass
	2560	Outer_Full	5.43	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2510	Outer_Full	5.86	/	/	<=13	Pass
	2535	Outer_Full	5.94	/	/	<=13	Pass
	2560	Outer_Full	5.91	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2510	Outer_Full	6.54	/	/	<=13	Pass
	2535	Outer_Full	6.61	/	/	<=13	Pass
	2560	Outer_Full	6.53	/	/	<=13	Pass
CP-OFDM QPSK	2510	Outer_Full	6.53	/	/	<=13	Pass
	2535	Outer_Full	6.90	/	/	<=13	Pass
	2560	Outer_Full	6.77	/	/	<=13	Pass
CP-OFDM 16 QAM	2510	Outer_Full	6.66	/	/	<=13	Pass
	2535	Outer_Full	6.75	/	/	<=13	Pass
	2560	Outer_Full	6.66	/	/	<=13	Pass
CP-OFDM 64 QAM	2510	Outer_Full	7.06	/	/	<=13	Pass
	2535	Outer_Full	7.09	/	/	<=13	Pass
	2560	Outer_Full	7.13	/	/	<=13	Pass
CP-OFDM 256 QAM	2510	Outer_Full	8.37	/	/	<=13	Pass
	2535	Outer_Full	8.38	/	/	<=13	Pass
	2560	Outer_Full	8.36	/	/	<=13	Pass

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4.4.2 Test Graph

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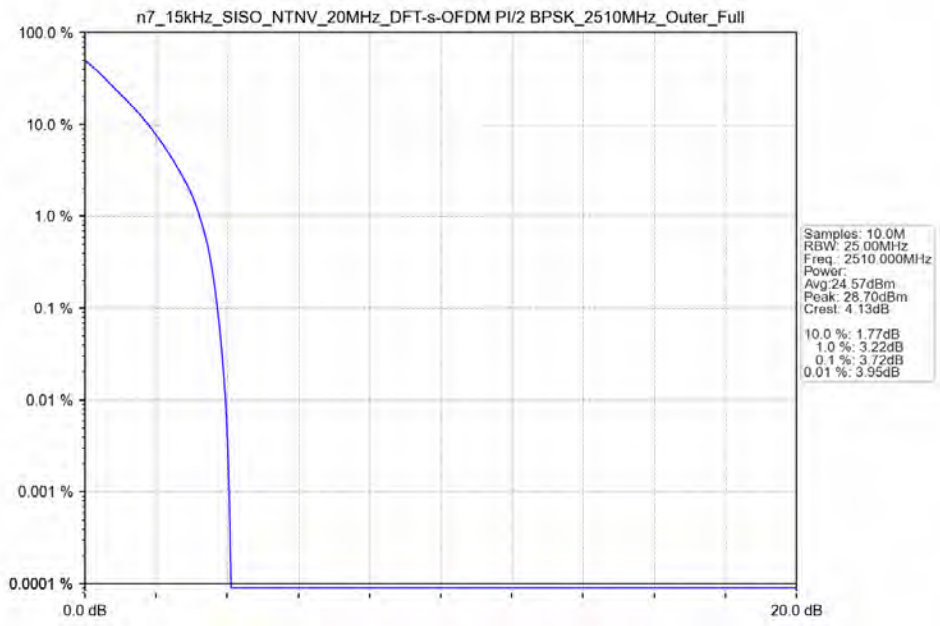

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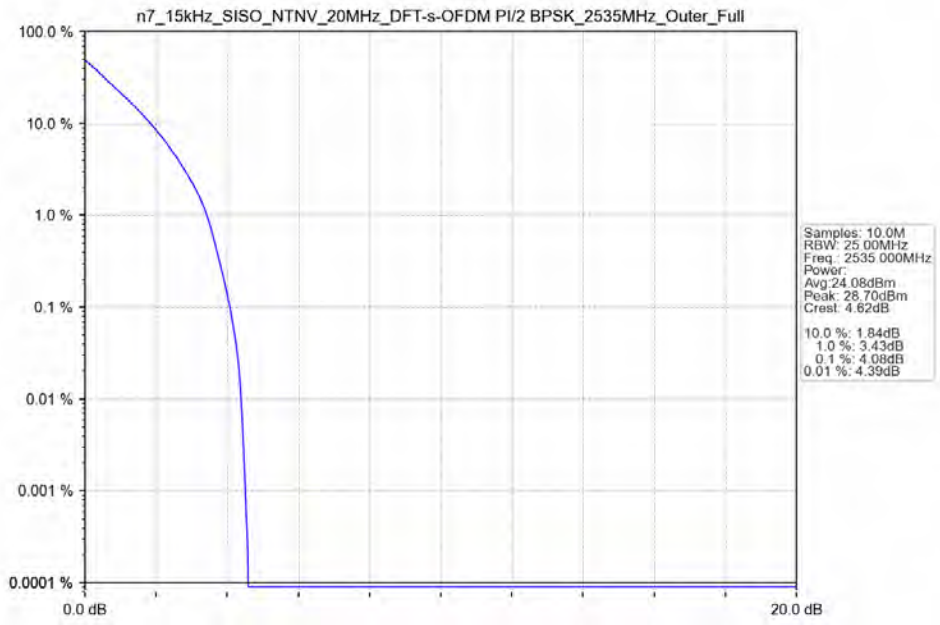

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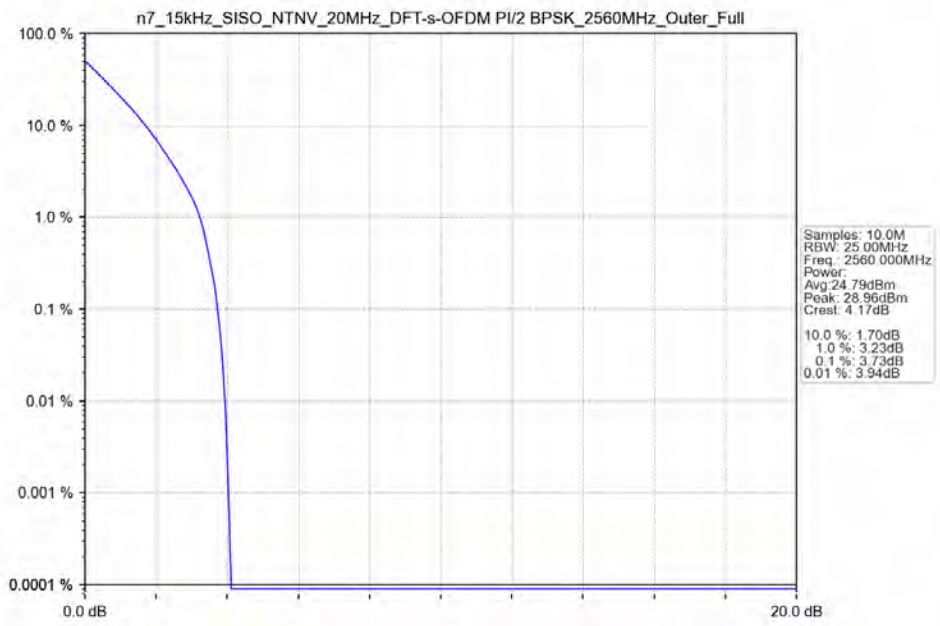
n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_2560MHz_Outer_Full



n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_2510MHz_Outer_Full

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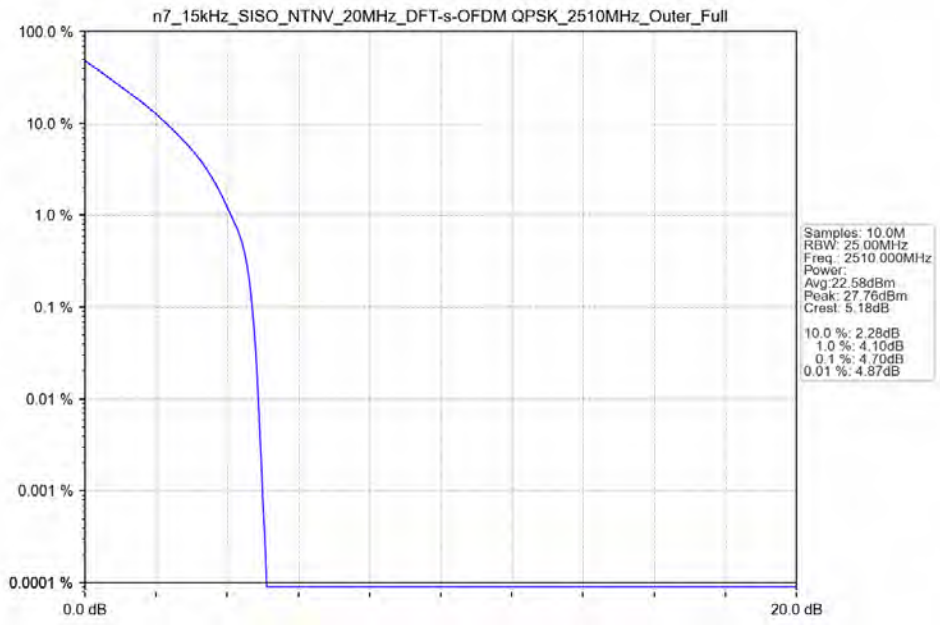

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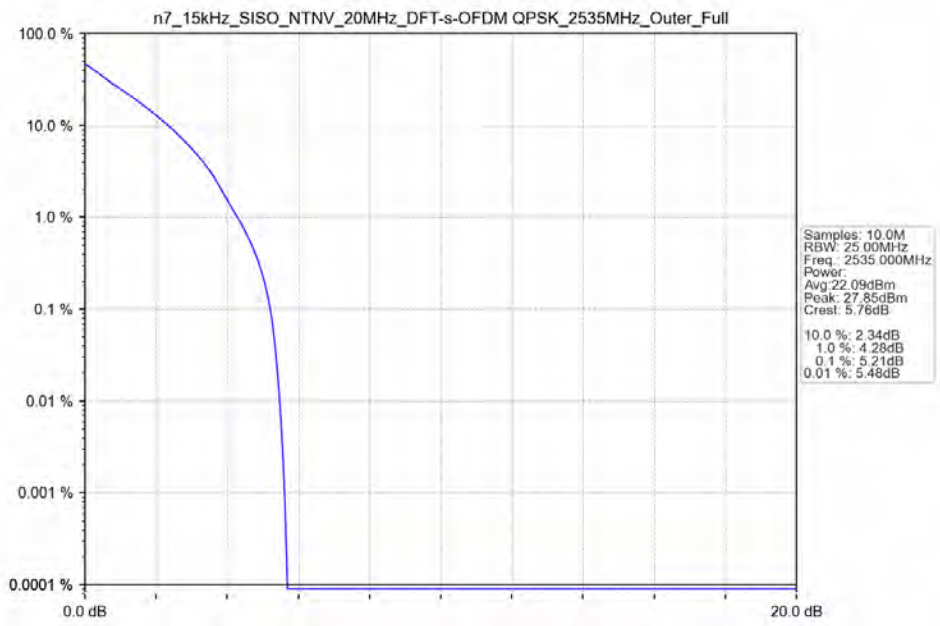

n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_2560MHz_Outer_Full

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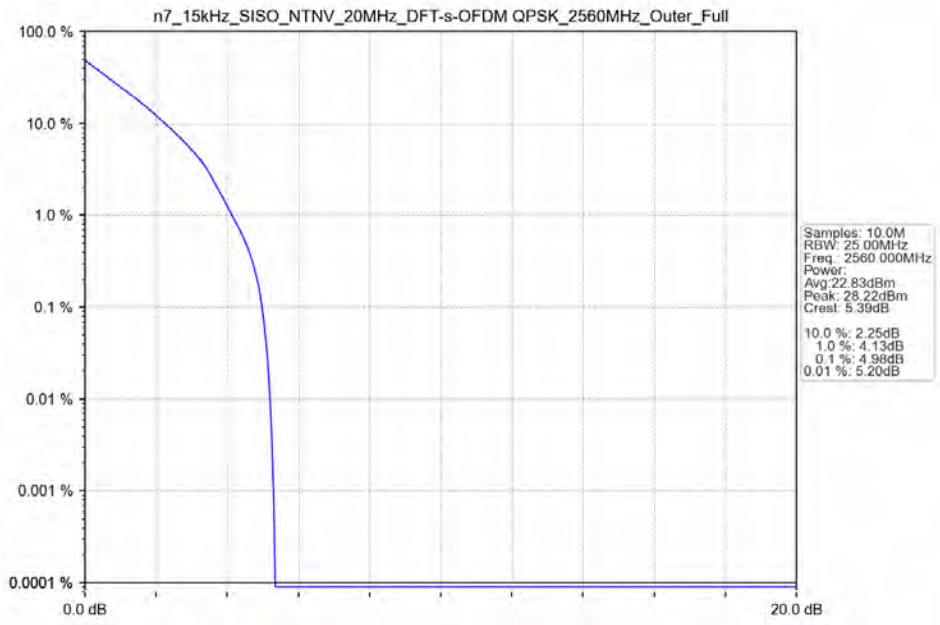

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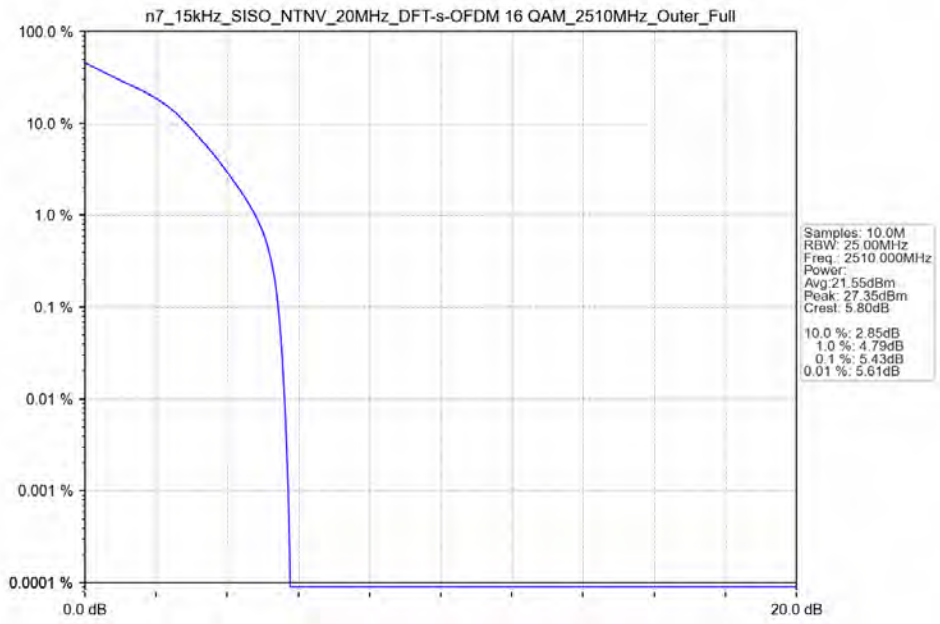
n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_2510MHz_Outer_Full



n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_2535MHz_Outer_Full

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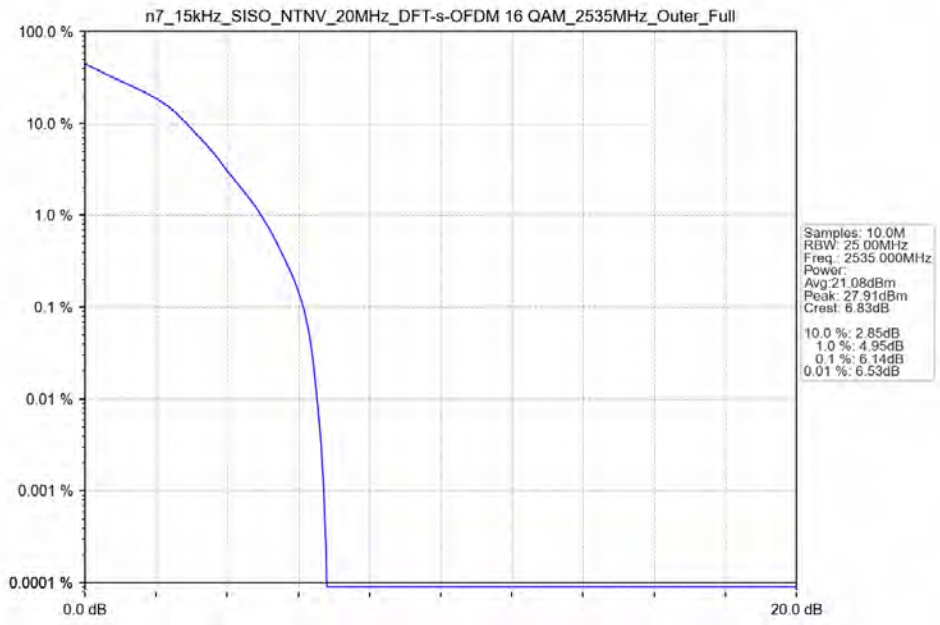

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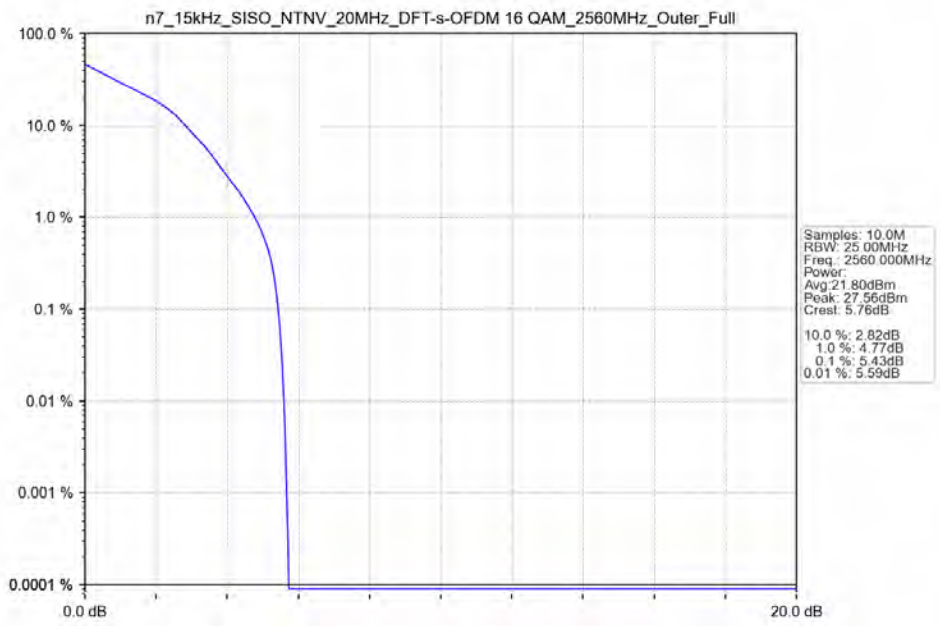

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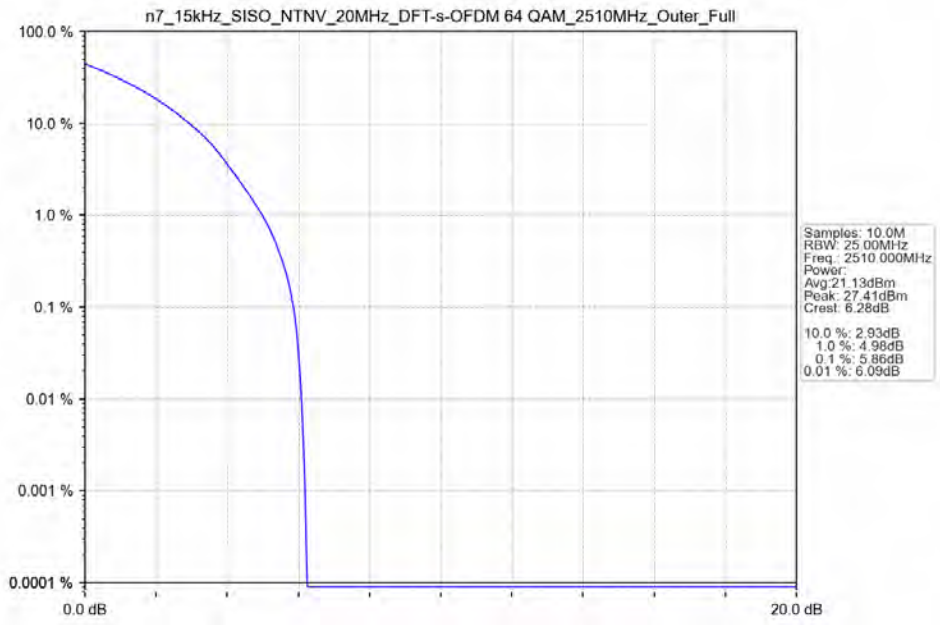

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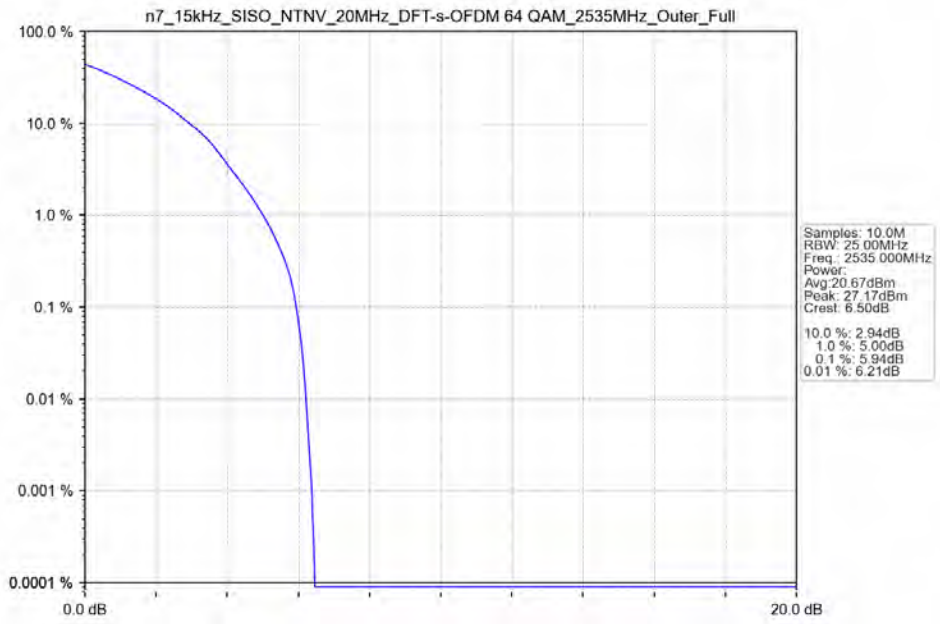

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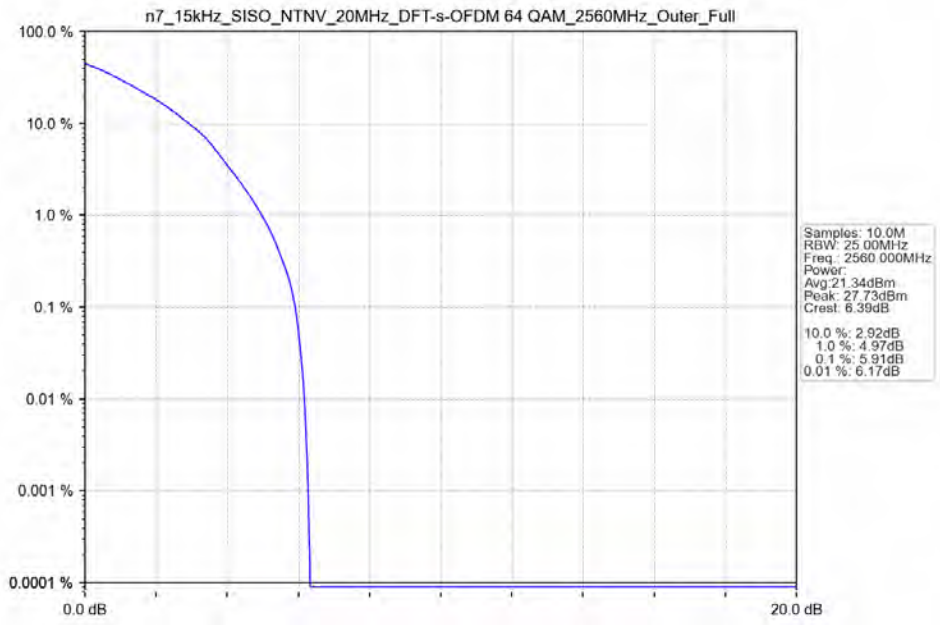

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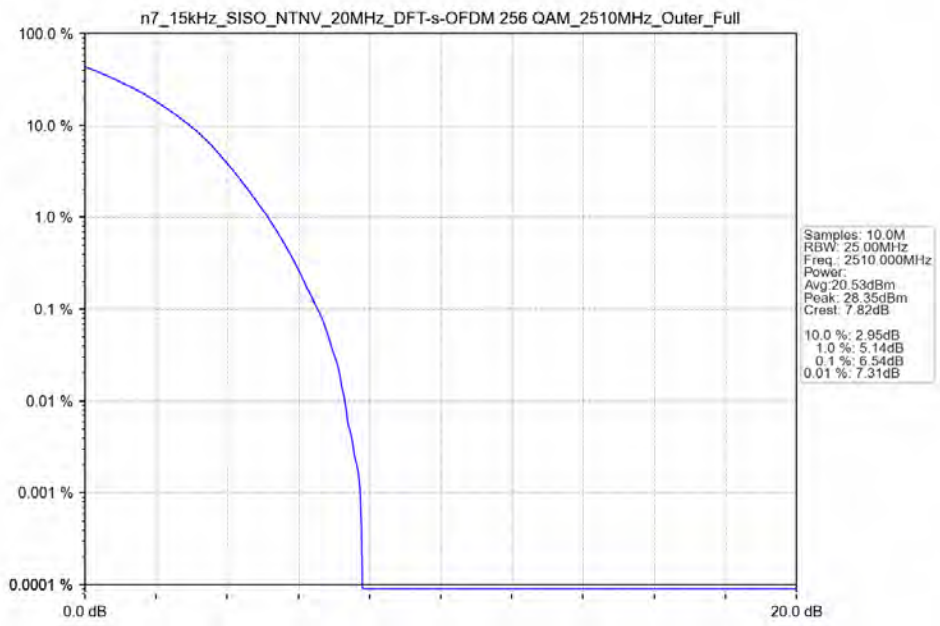

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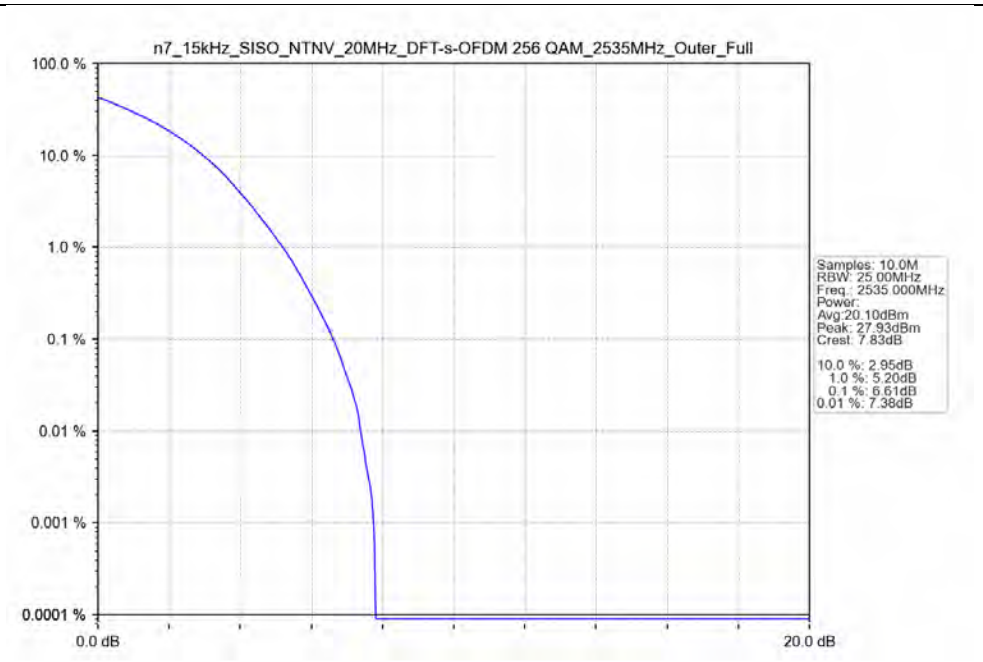

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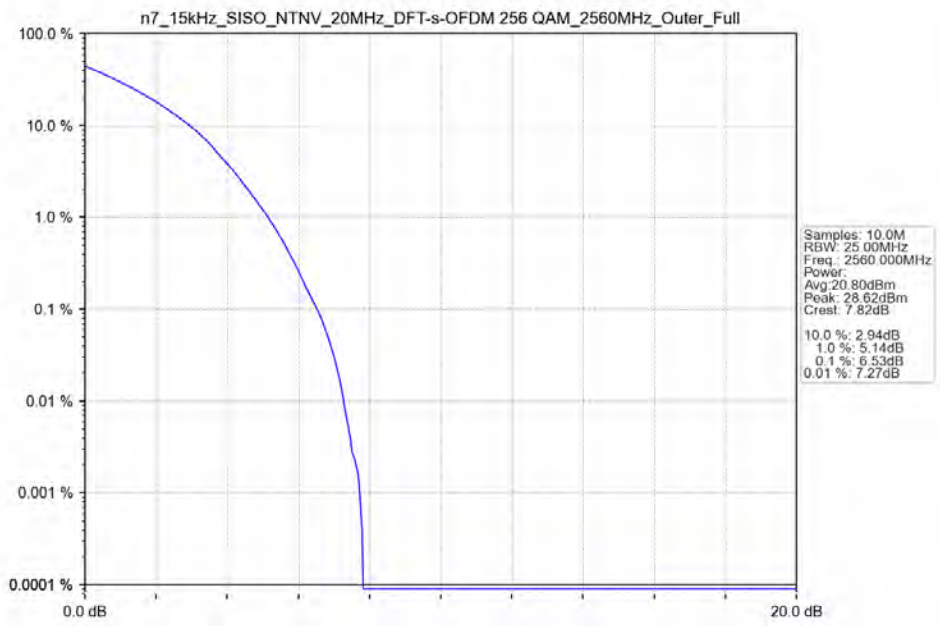

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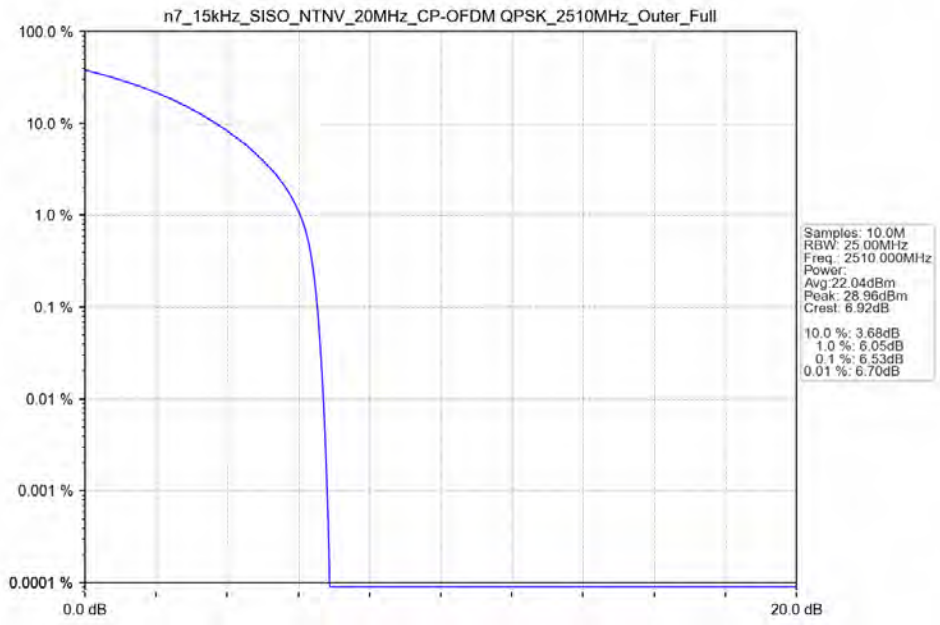

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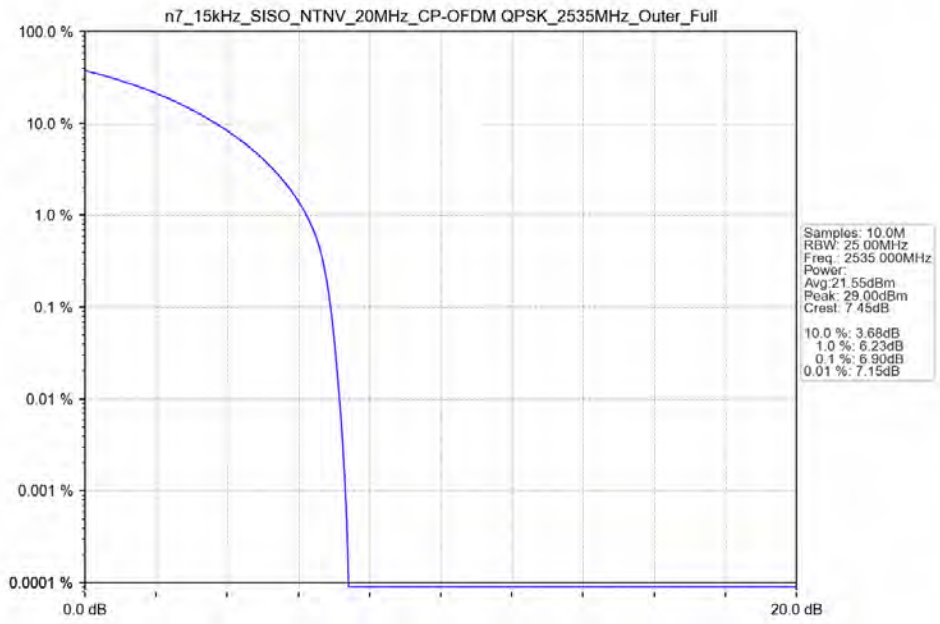
n7_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_2535MHz_Outer_Full



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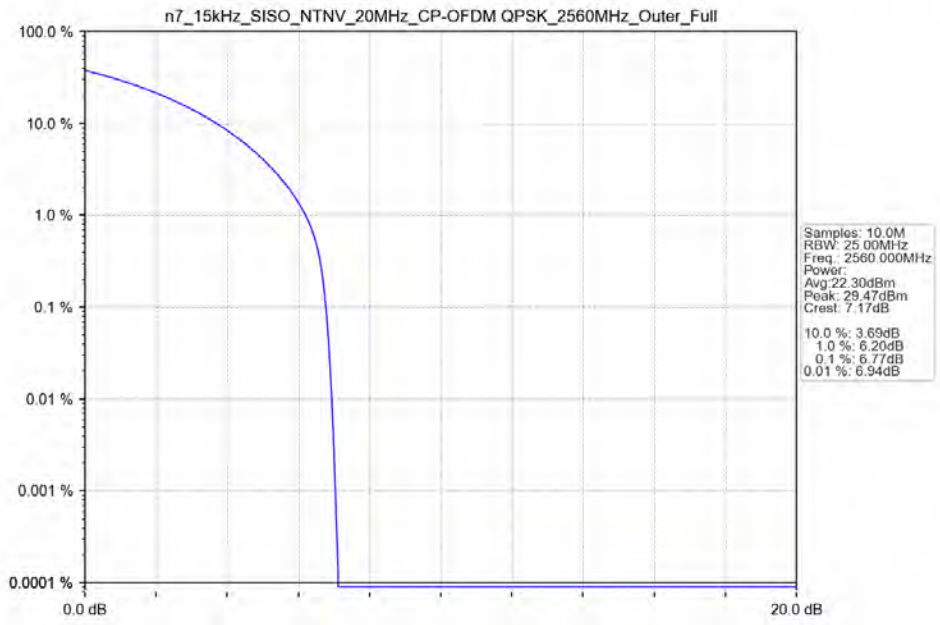

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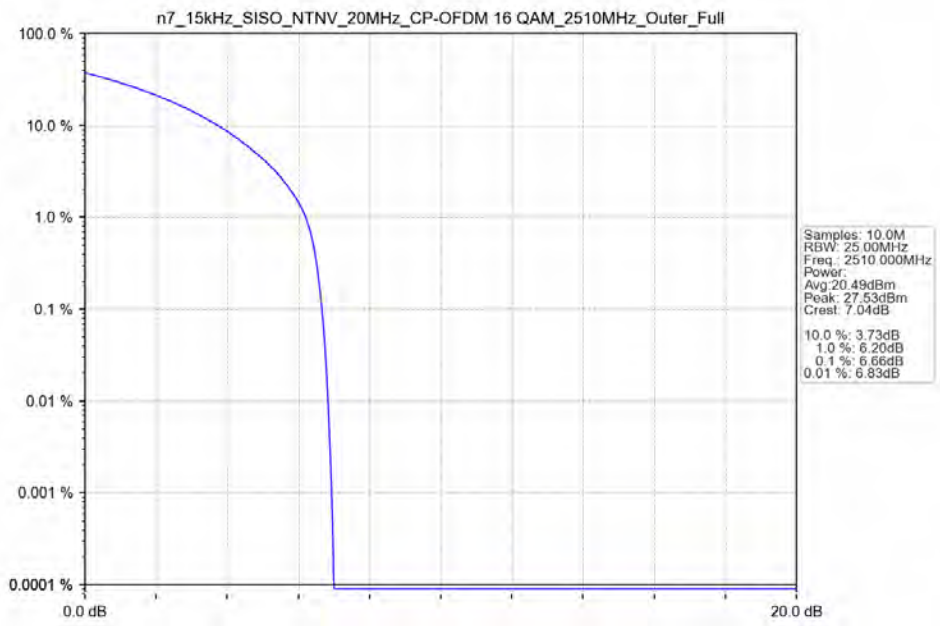

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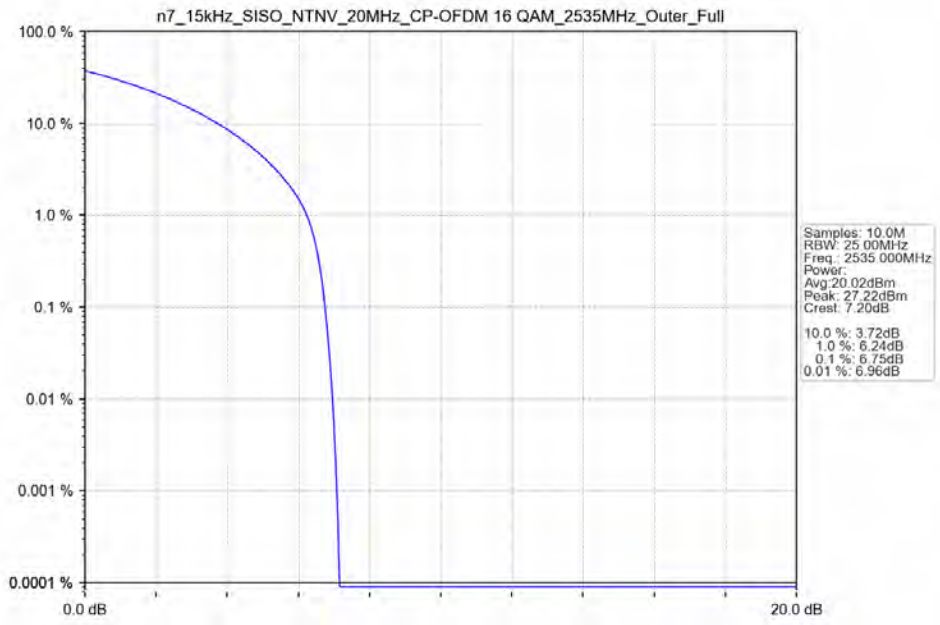

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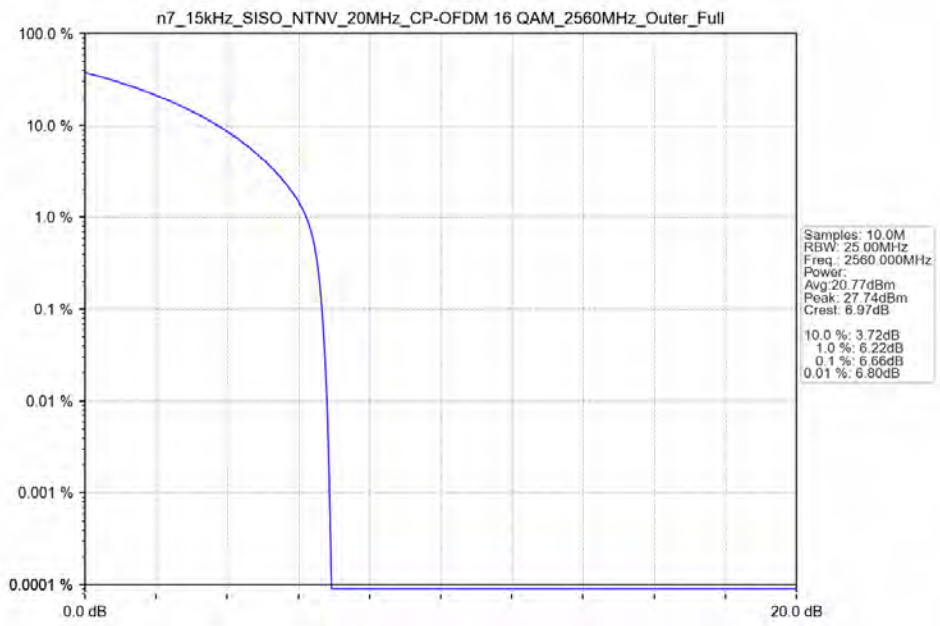

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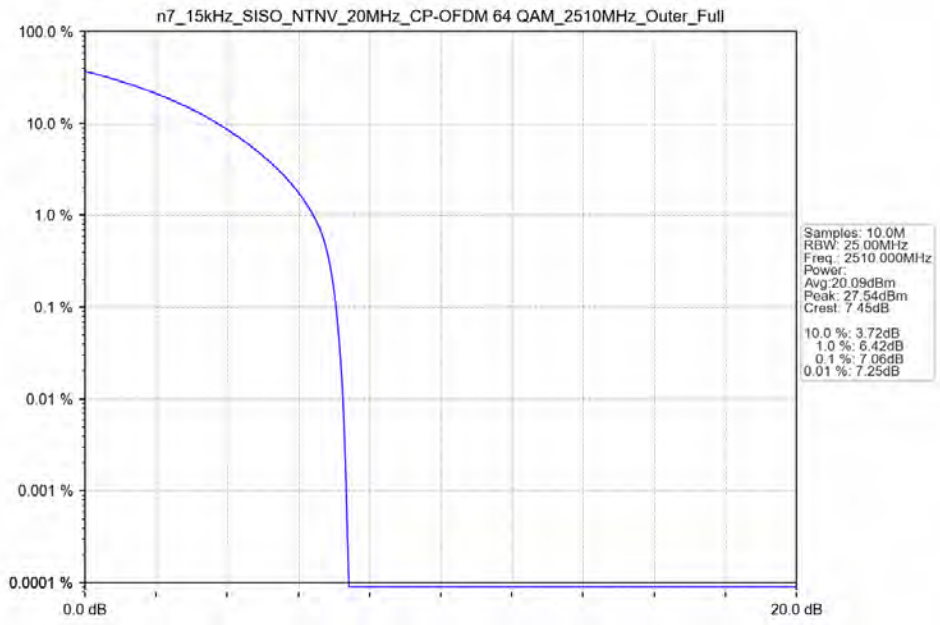

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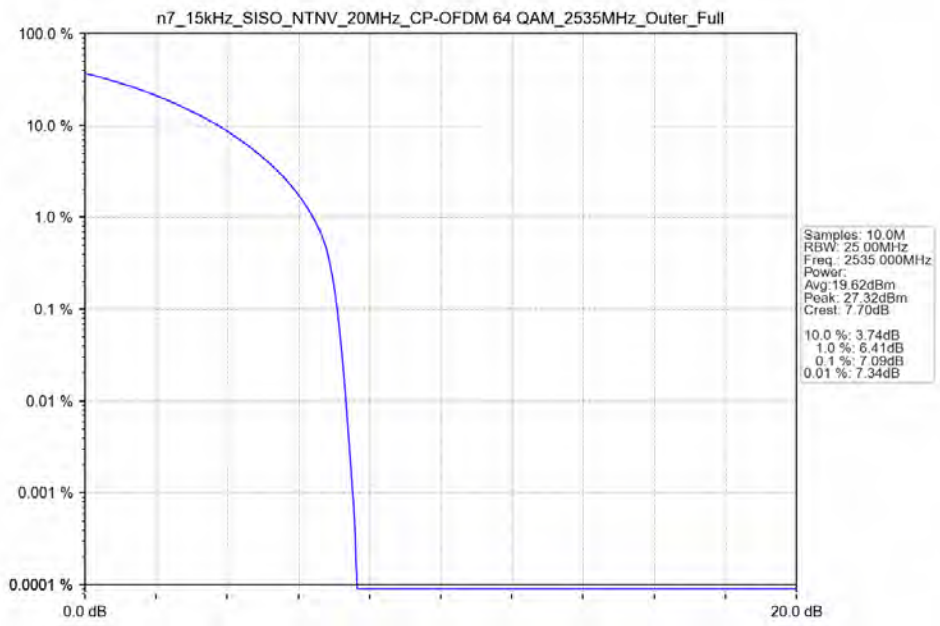

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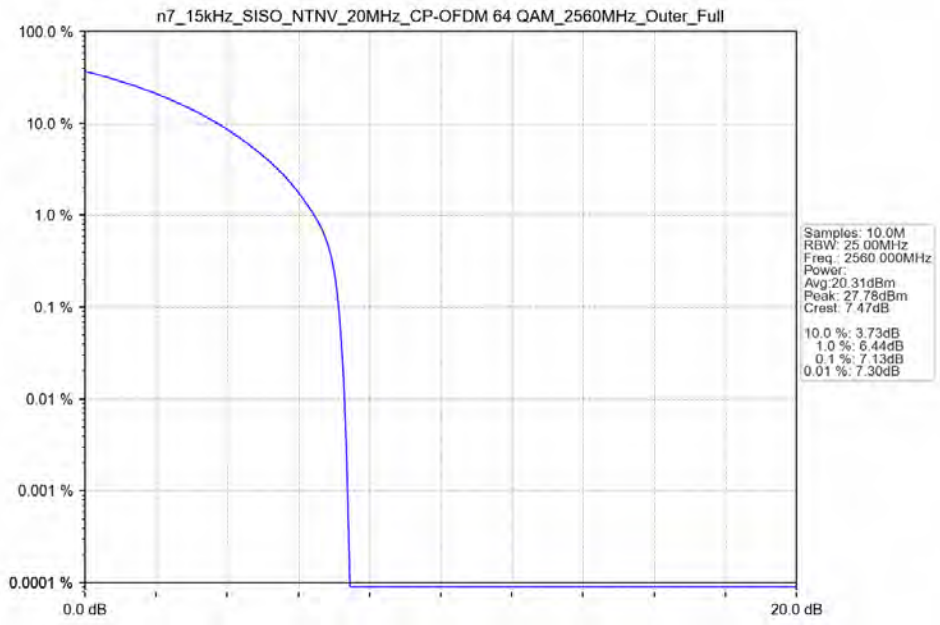

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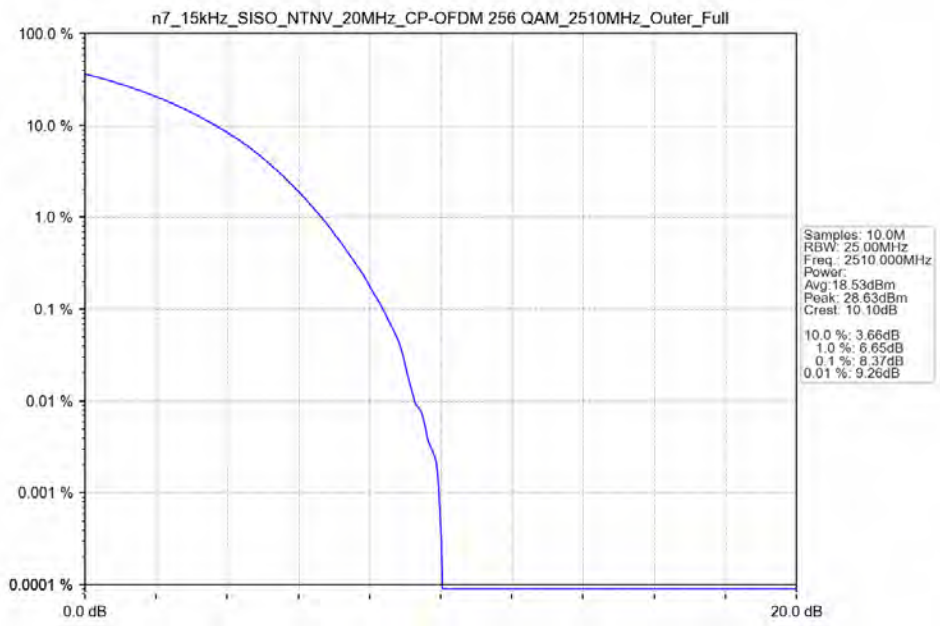

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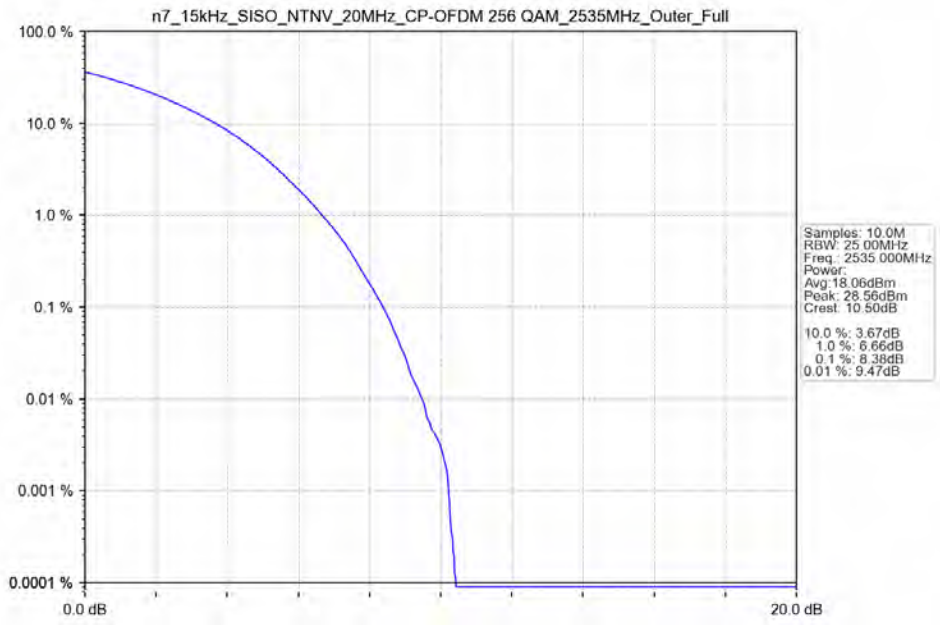

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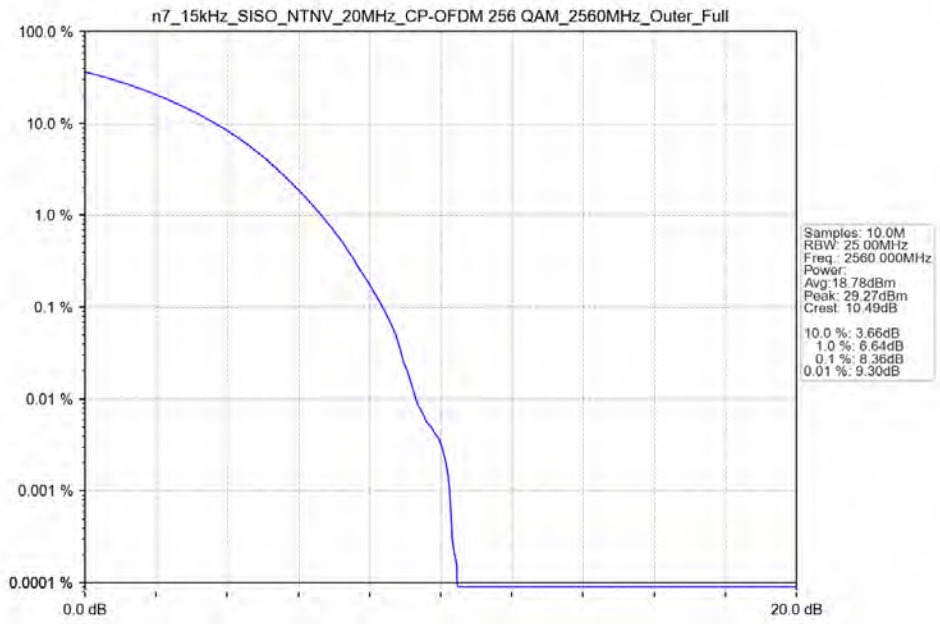

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5. Spurious Emission & Band Edges

5.1 15k_SISO_5MHz_NTNV

5.1.1 Test Result

5G NR n7 SCS=15kHz SISO 5MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2502.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
	2567.5	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	2502.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
	2567.5	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	2502.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
	2567.5	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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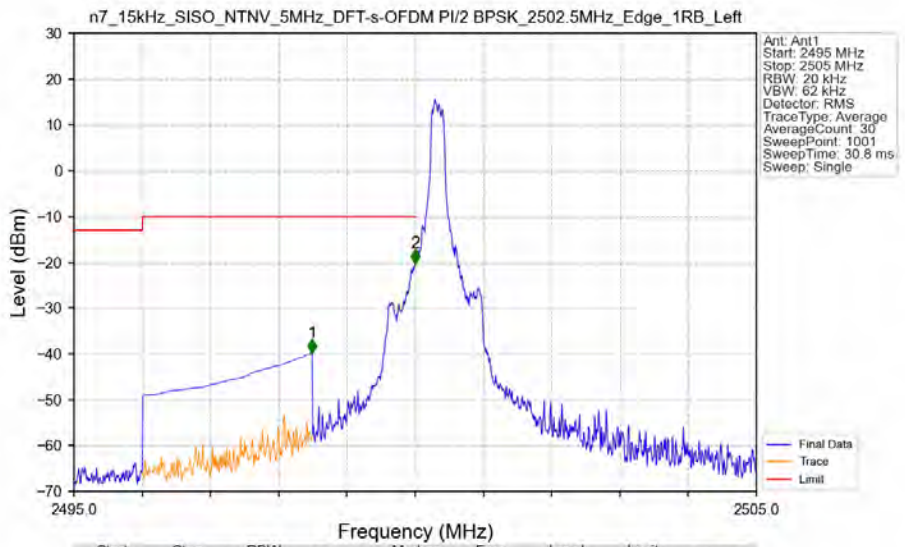
5.1.2 Test Graph

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2502.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-39.78	-10	Pass
2499	2500	0.02	/	2	2500.000	-20.21	-10	Pass
2500	2505	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2502.5MHz_Edge_1RB_Left

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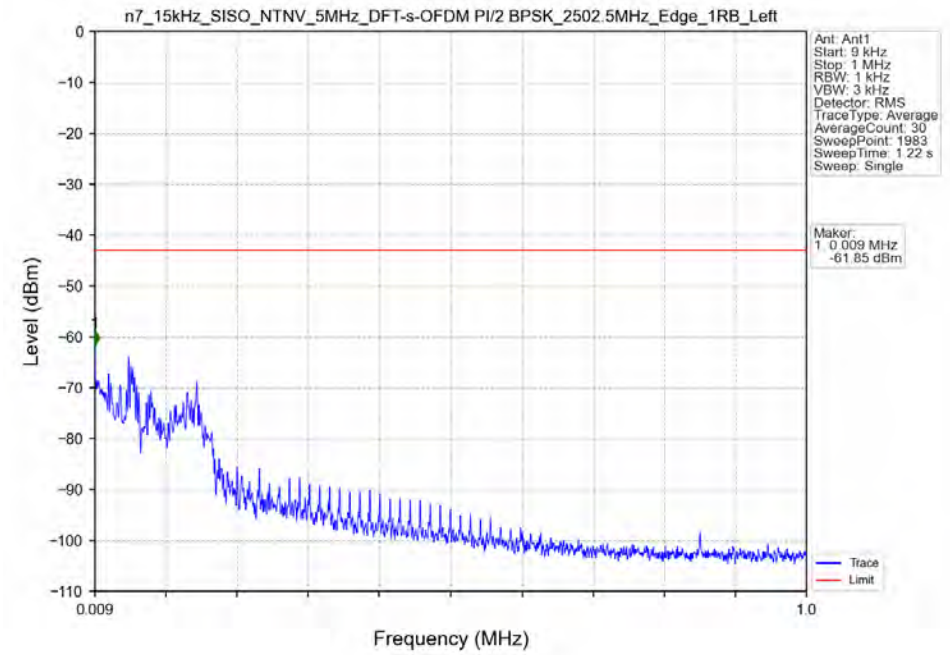

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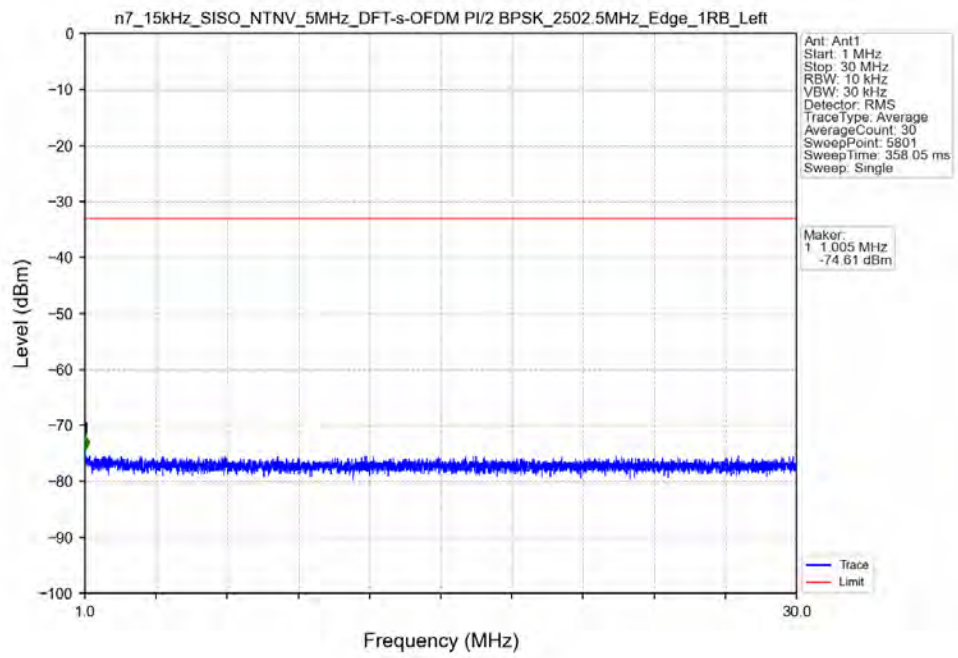
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2502.5MHz_Edge_1RB_Left



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2502.5MHz_Edge_1RB_Left

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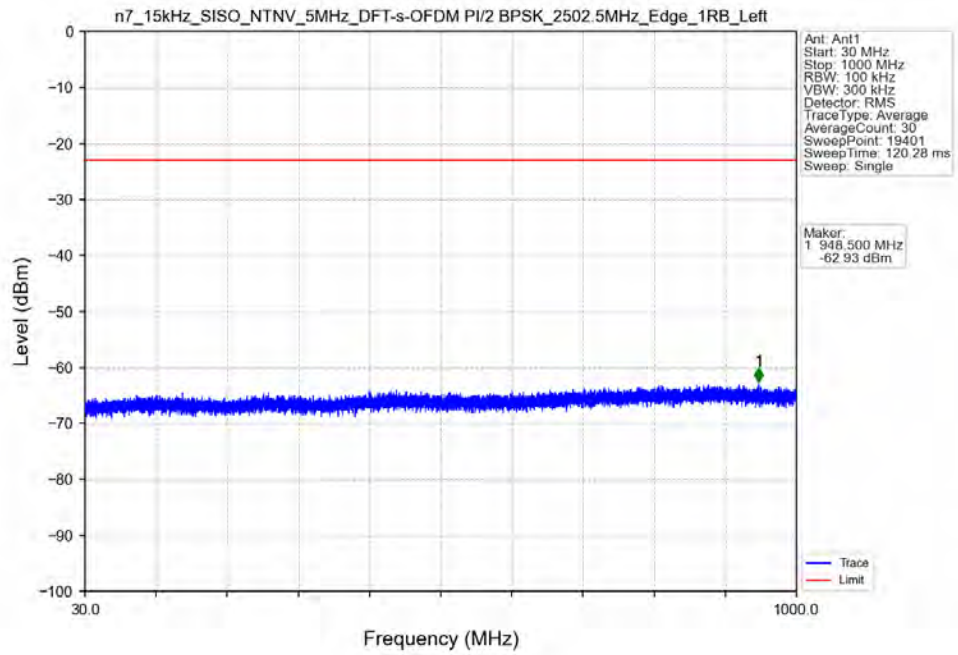

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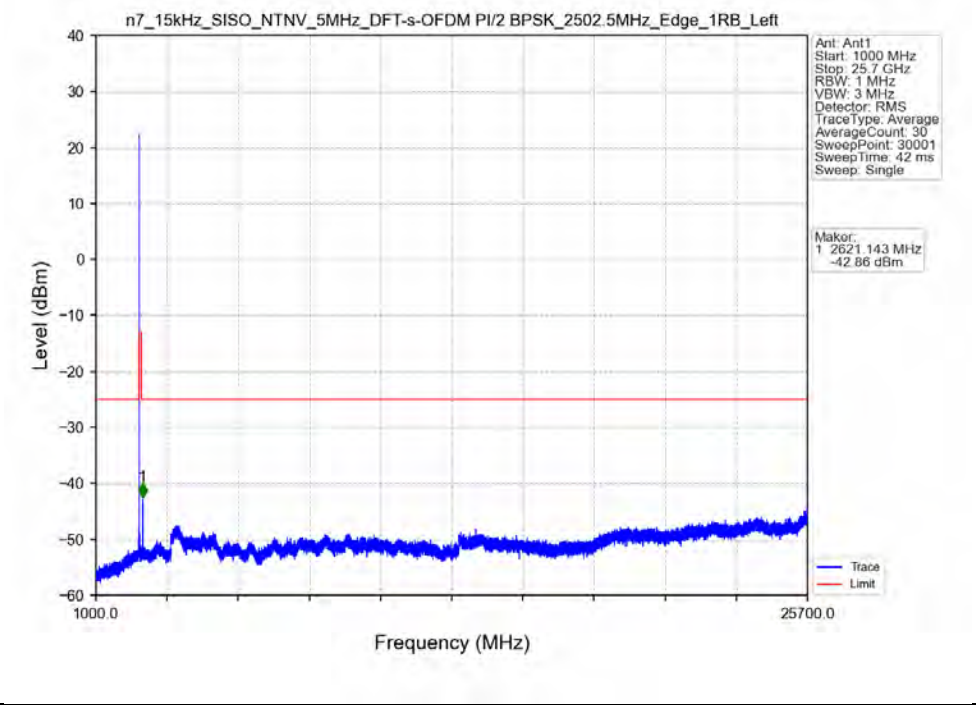
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2502.5MHz_Edge_1RB_Left



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2502.5MHz_Outer_Full

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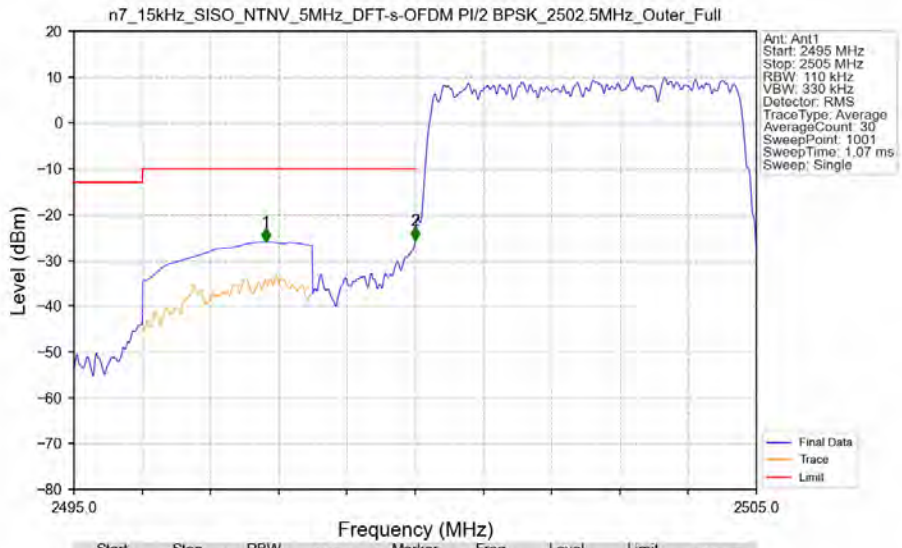

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2497.810	-26.03	-10	Pass
2499	2500	0.11	/	2	2500.000	-25.62	-10	Pass
2500	2505	0.11	/	/	/	/	/	/

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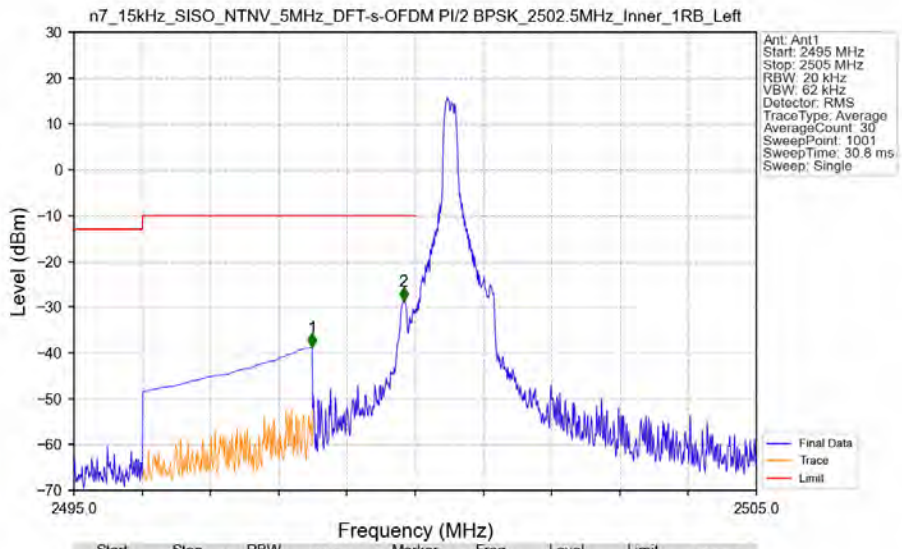

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-38.80	-10	Pass
2499	2500	0.02	/	2	2499.830	-28.75	-10	Pass
2500	2505	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Edge_1RB_Left

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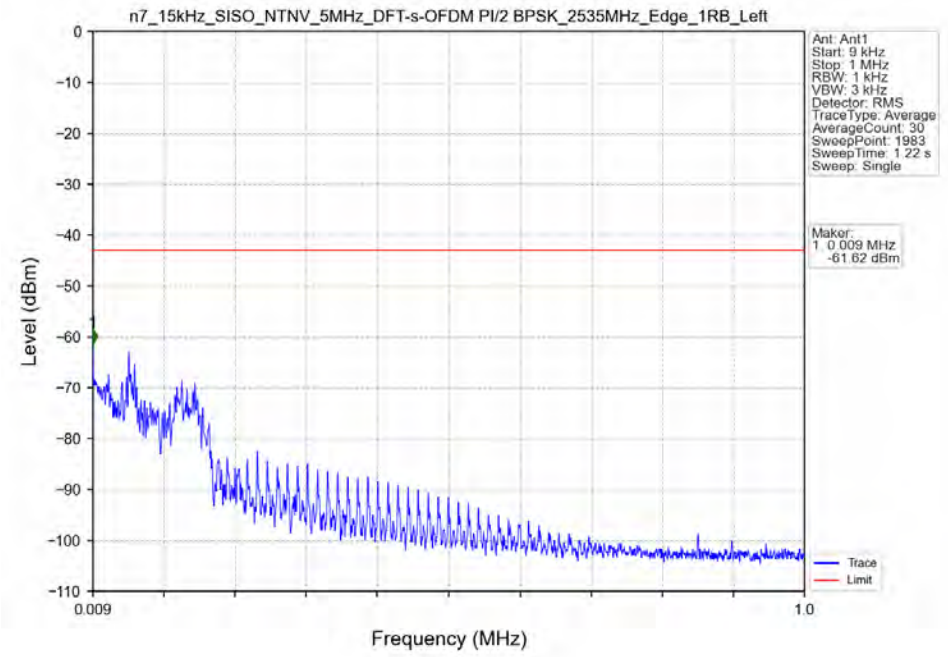

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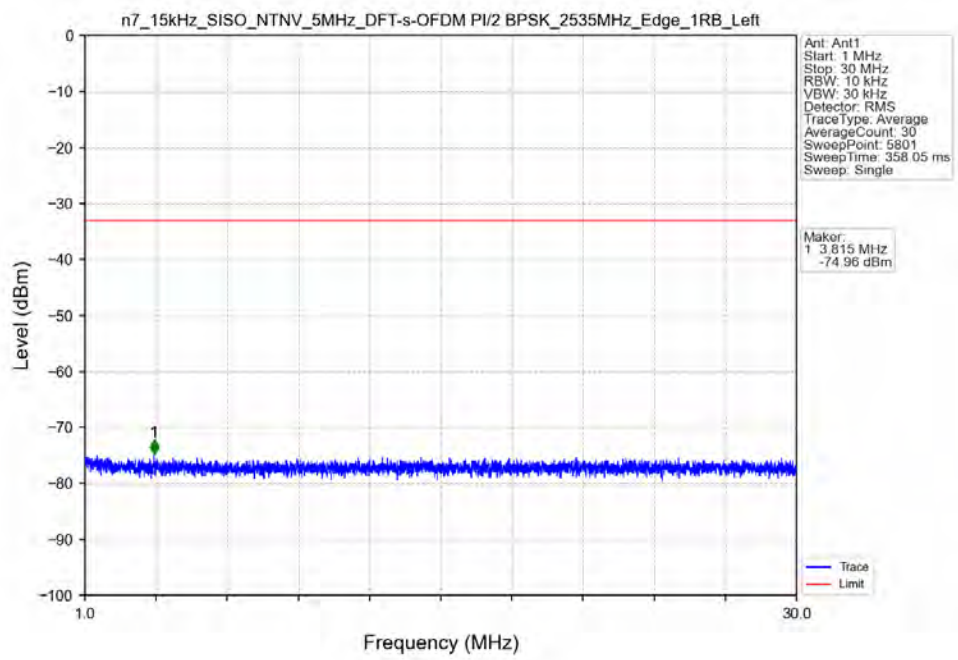

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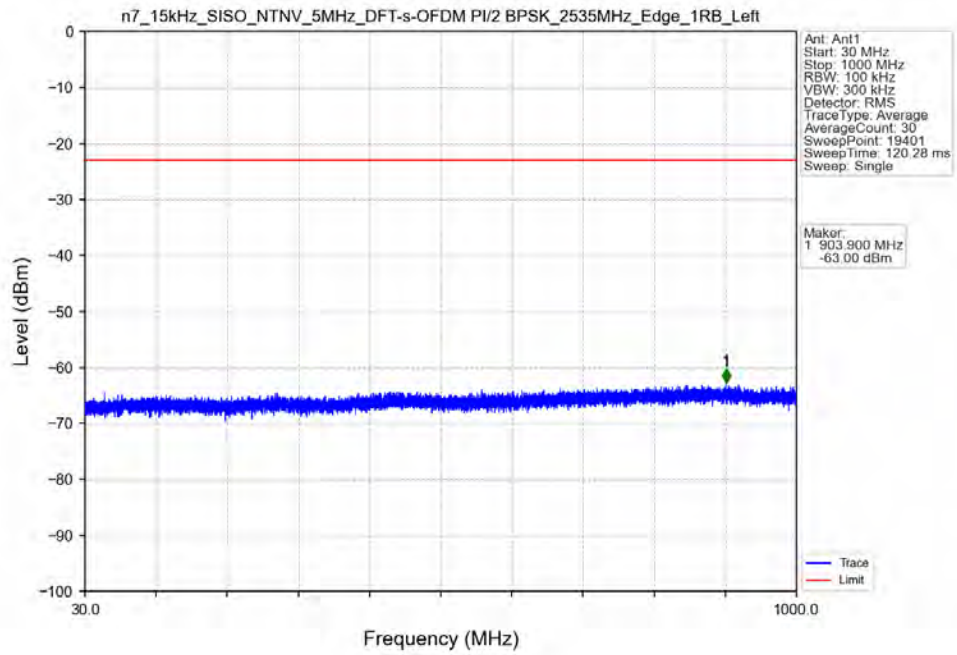

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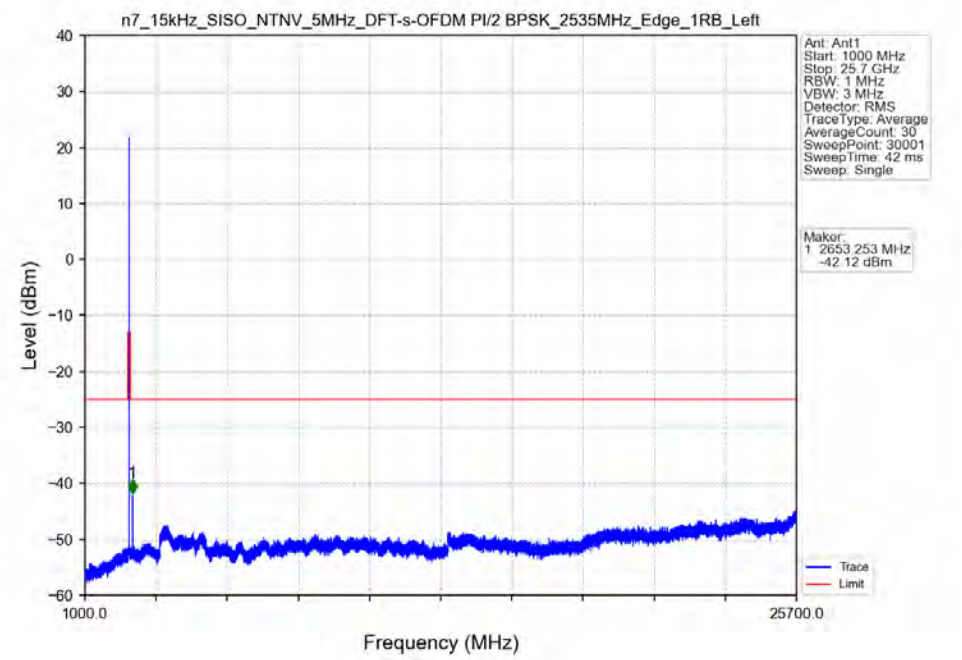
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Edge_1RB_Left



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2567.5MHz_Edge_1RB_Right

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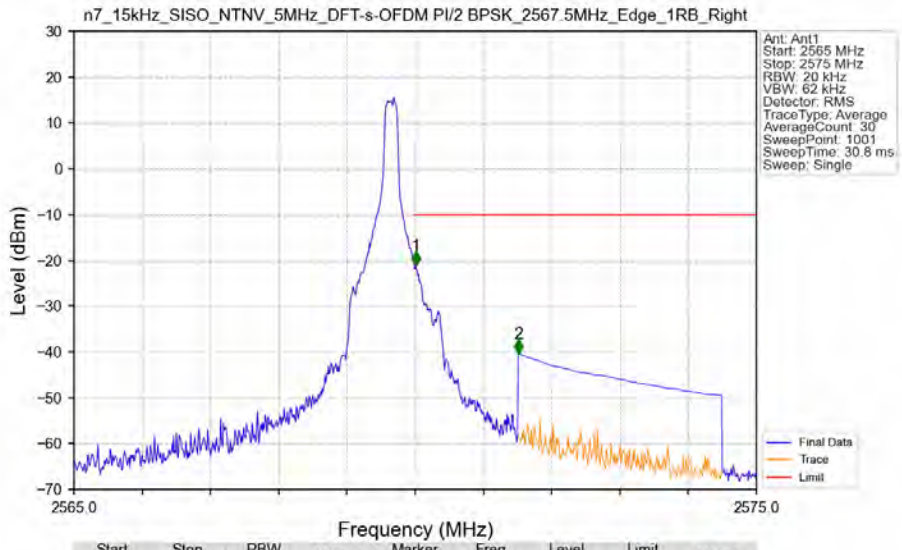

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.010	-21.18	-10	Pass
2571	2575	1	CHP	2	2571.510	-40.36	-10	Pass

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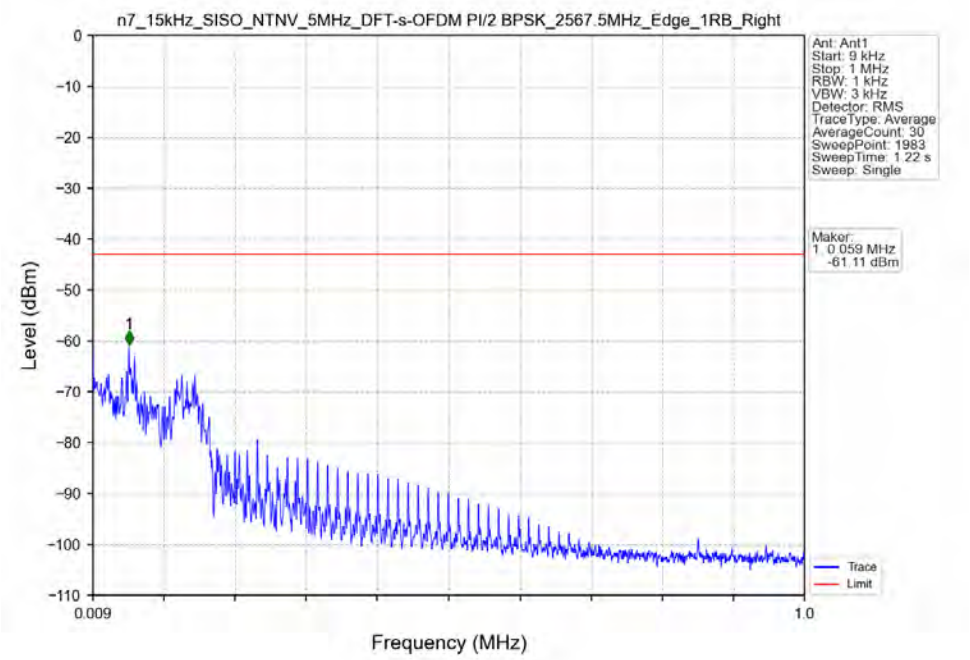

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2567.5MHz_Edge_1RB_Right

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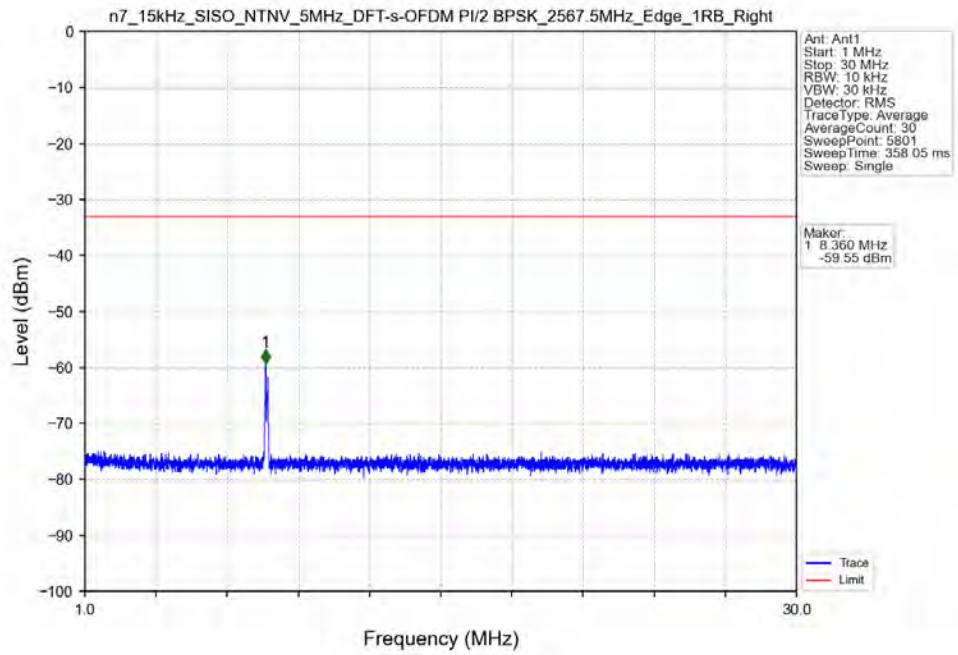

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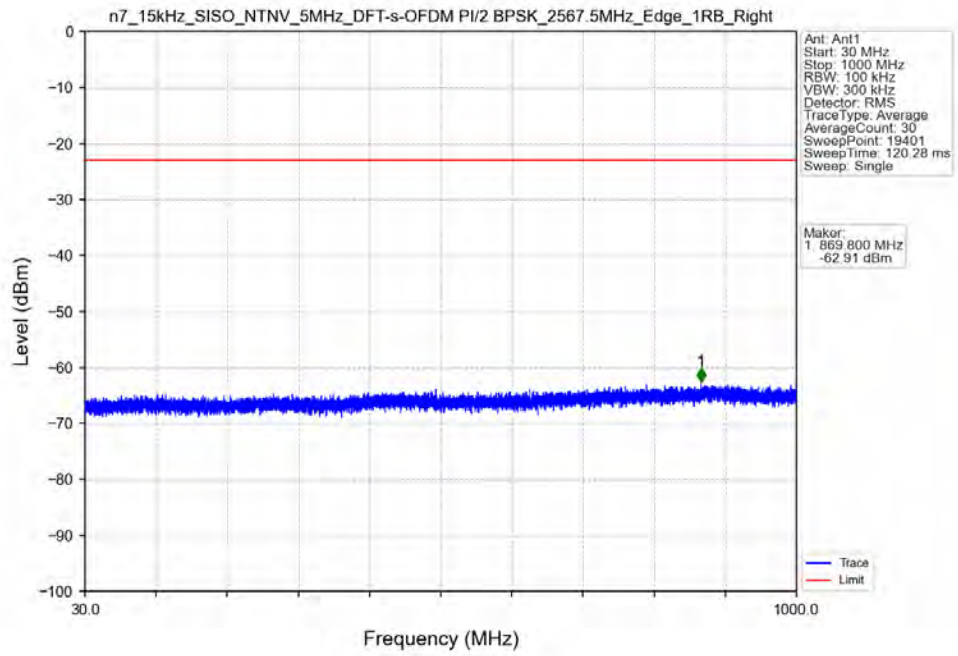
n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2567.5MHz_Edge_1RB_Right



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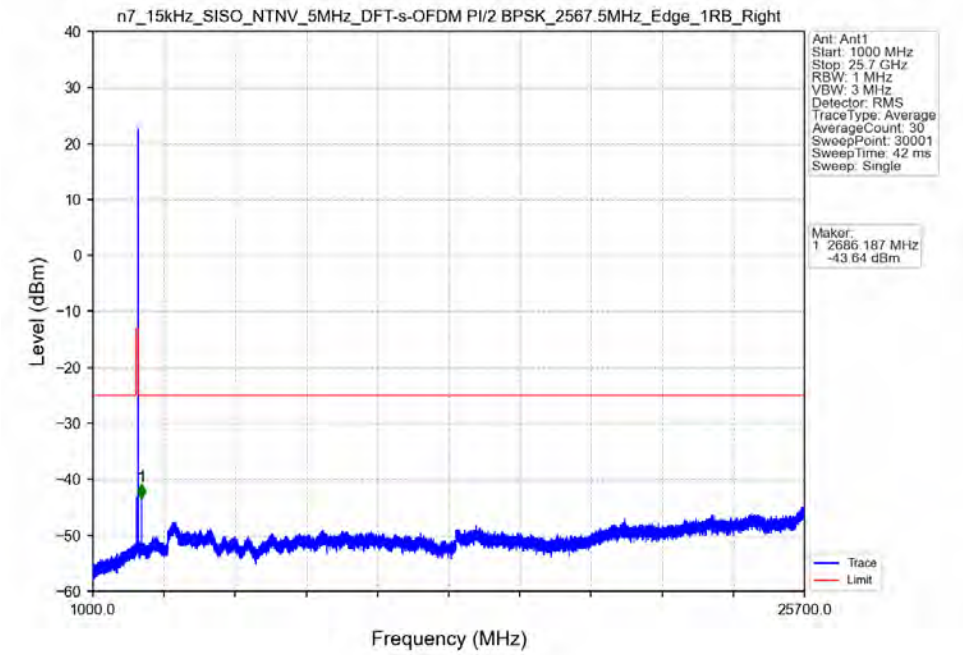

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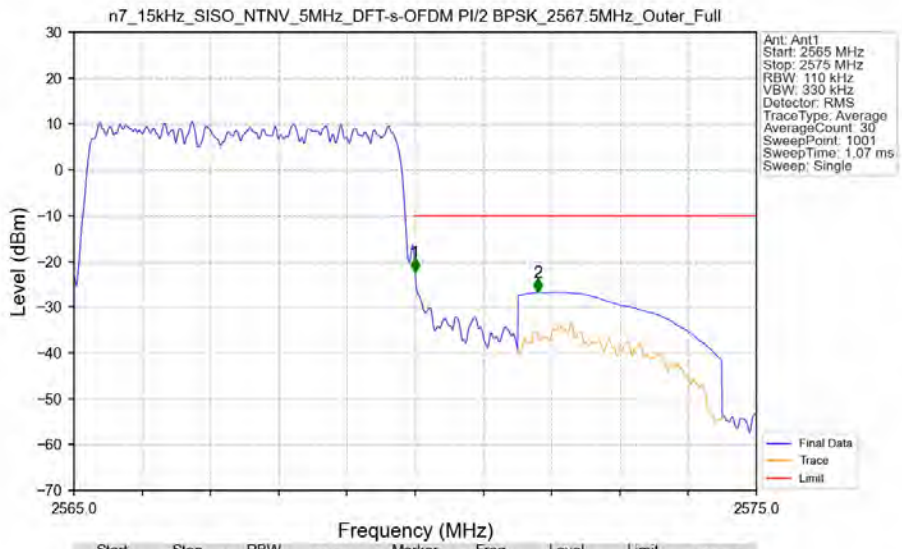

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.11	/	/	/	/	/	/
2570	2571	0.11	/	1	2570.000	-22.36	-10	Pass
2571	2575	1	CHP	2	2571.800	-26.76	-10	Pass

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2567.5MHz_Inner_1RB_Right

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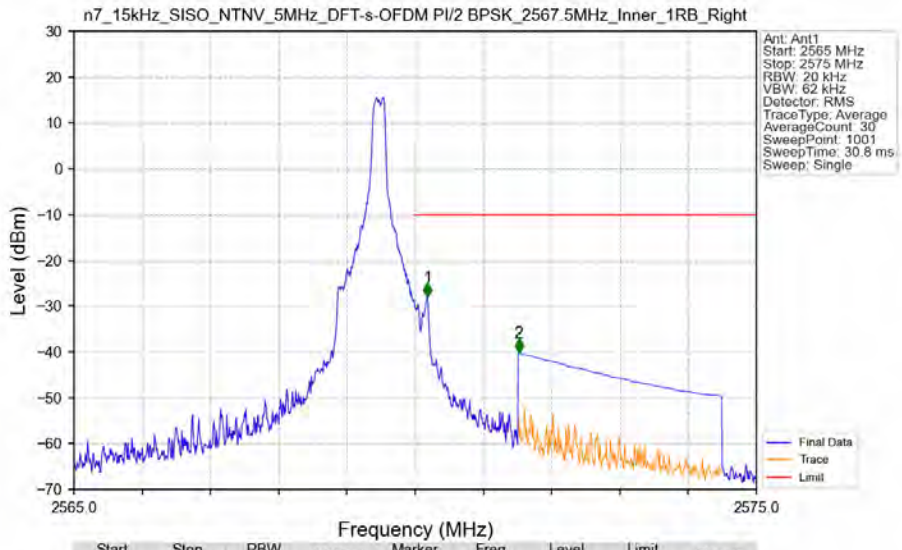

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.180	-28.09	-10	Pass
2571	2575	1	CHP	2	2571.520	-40.27	-10	Pass

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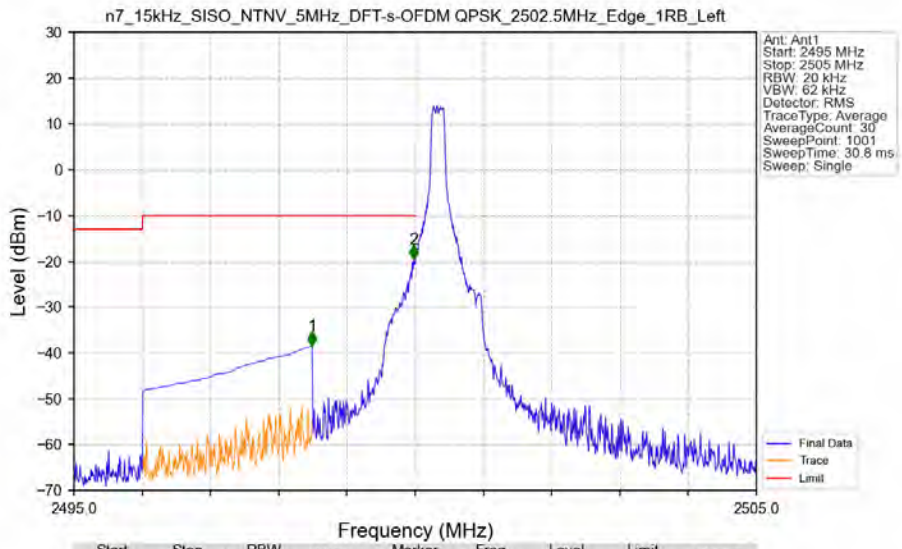

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-38.42	-10	Pass
2499	2500	0.02	/	2	2499.980	-19.53	-10	Pass
2500	2505	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2502.5MHz_Edge_1RB_Left

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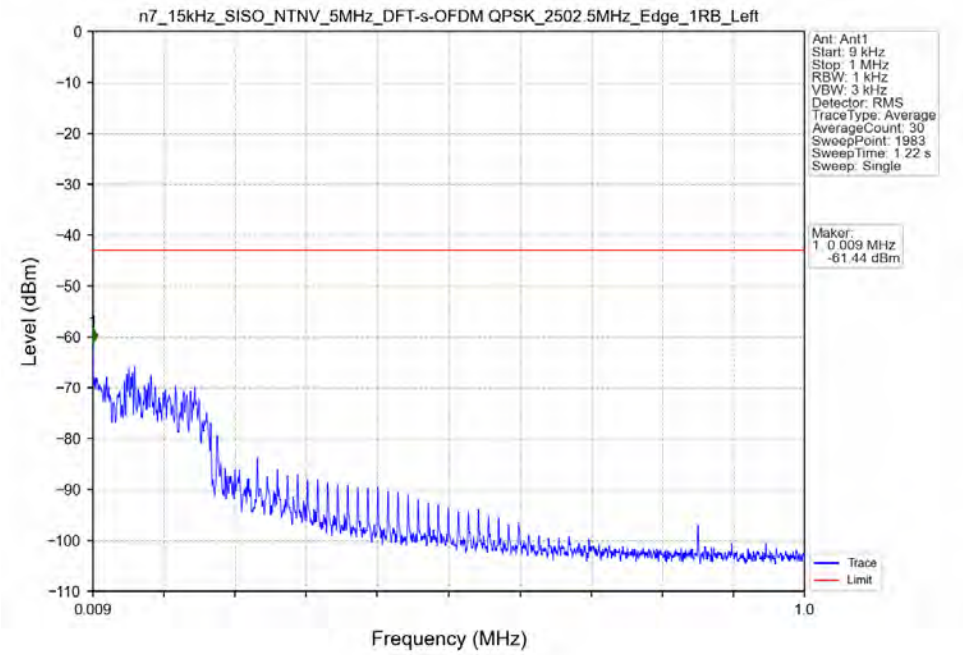

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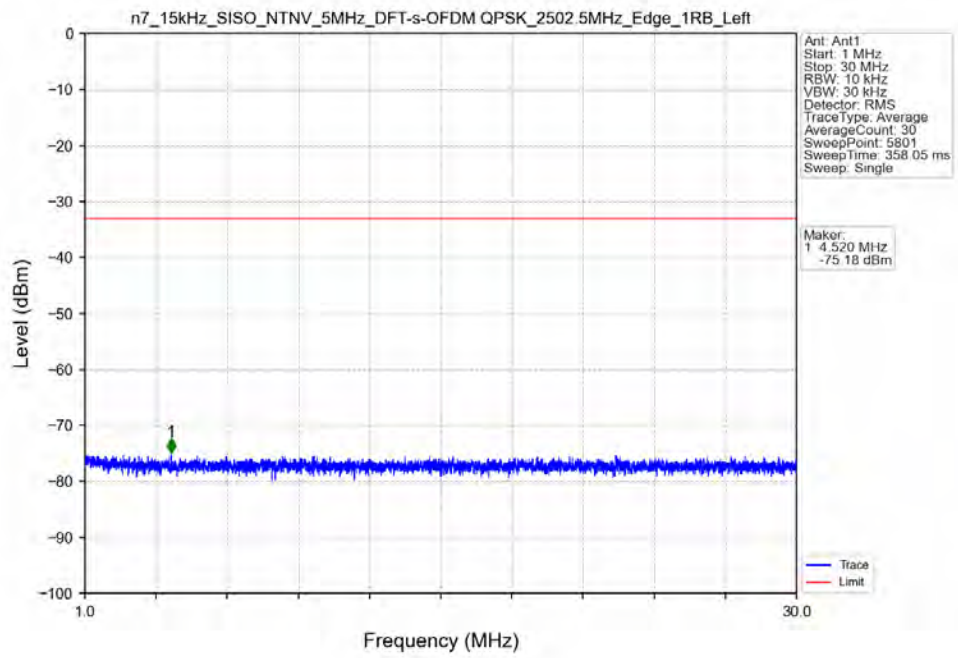

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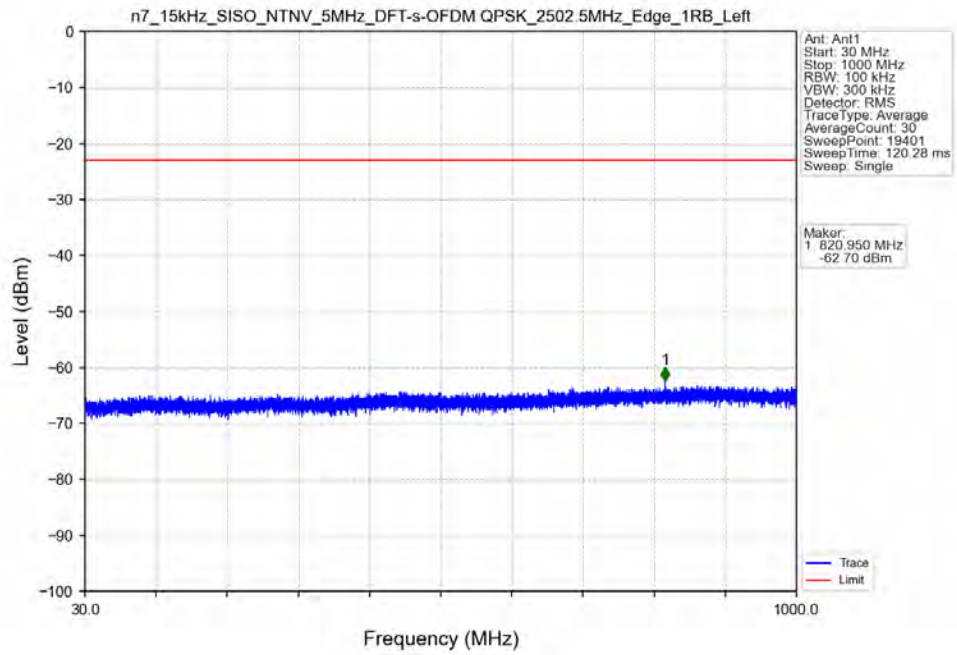

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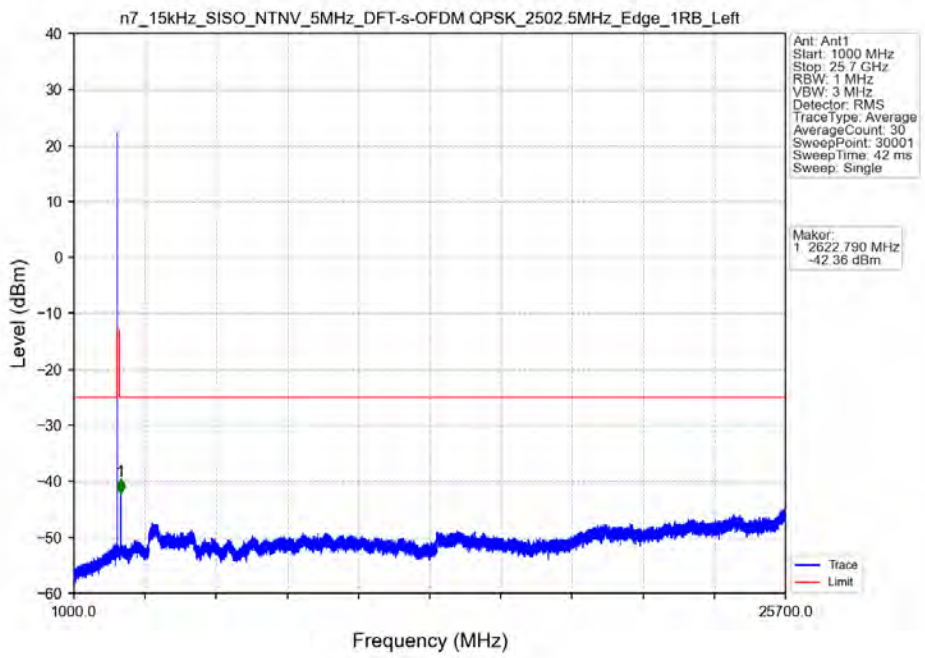

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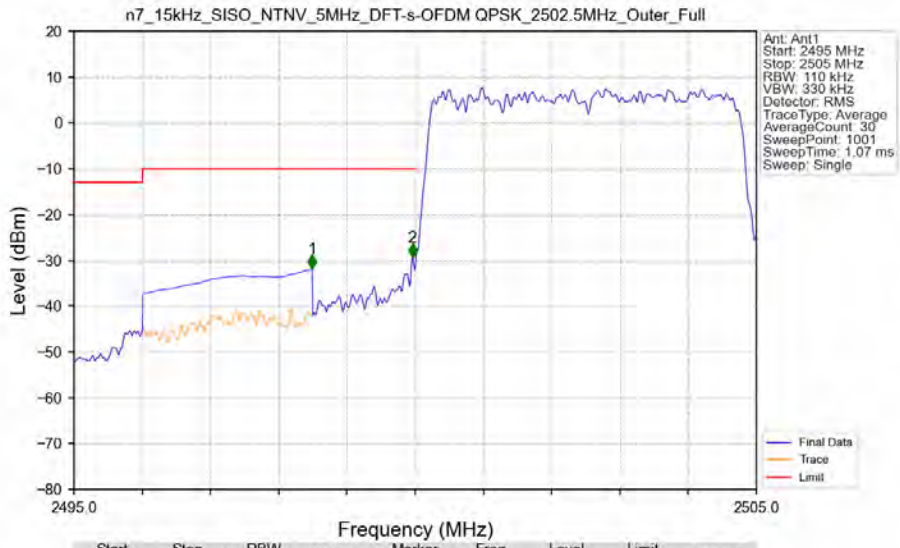

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-31.86	-10	Pass
2499	2500	0.11	/	2	2499.960	-29.37	-10	Pass
2500	2505	0.11	/	/	/	/	/	/

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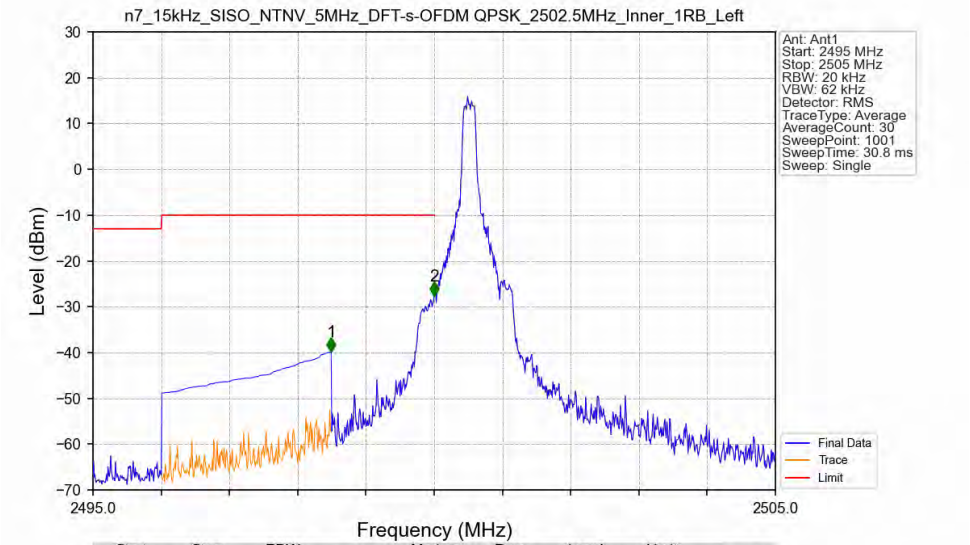

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-39.82	-10	Pass
2499	2500	0.02	/	2	2500.000	-27.65	-10	Pass
2500	2505	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2535MHz_Edge_1RB_Left

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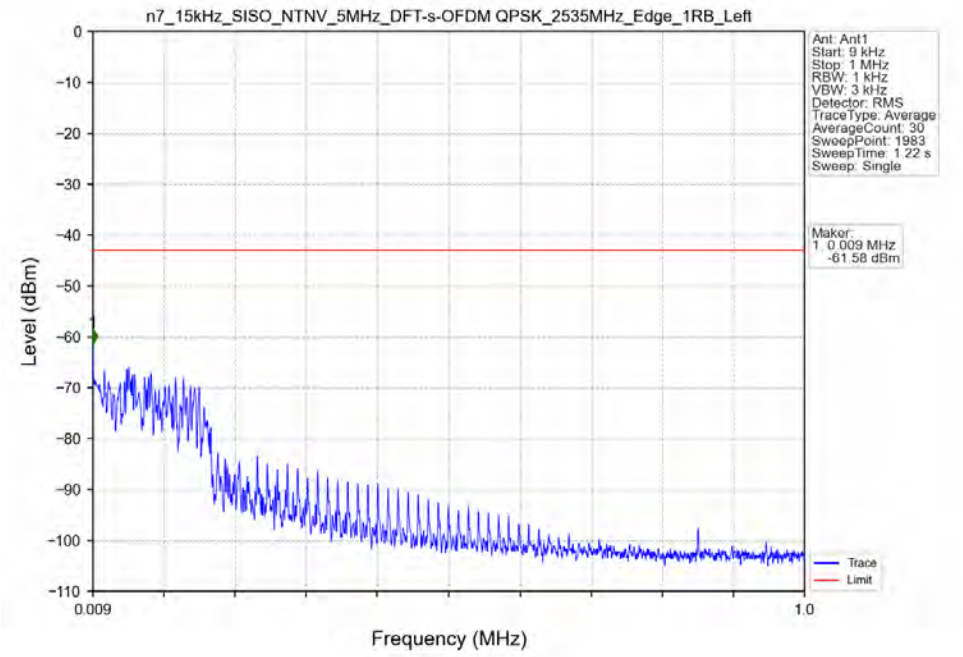

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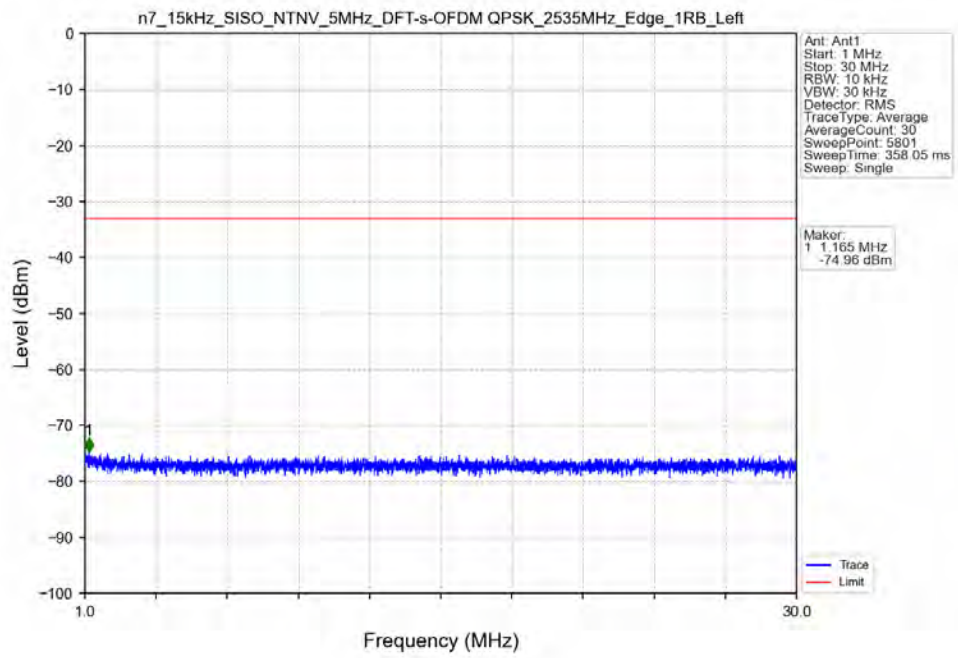

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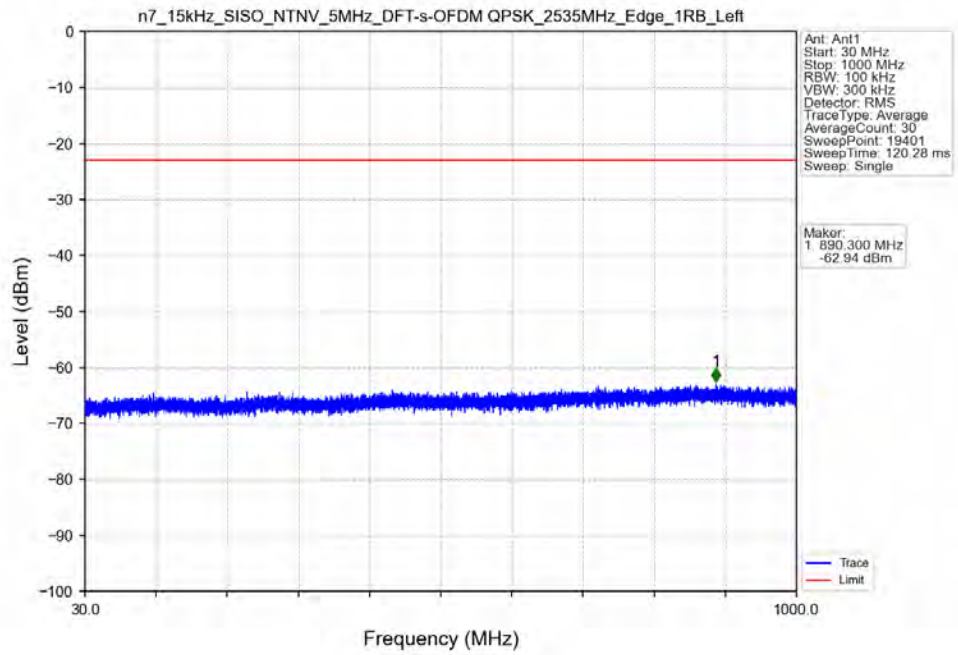

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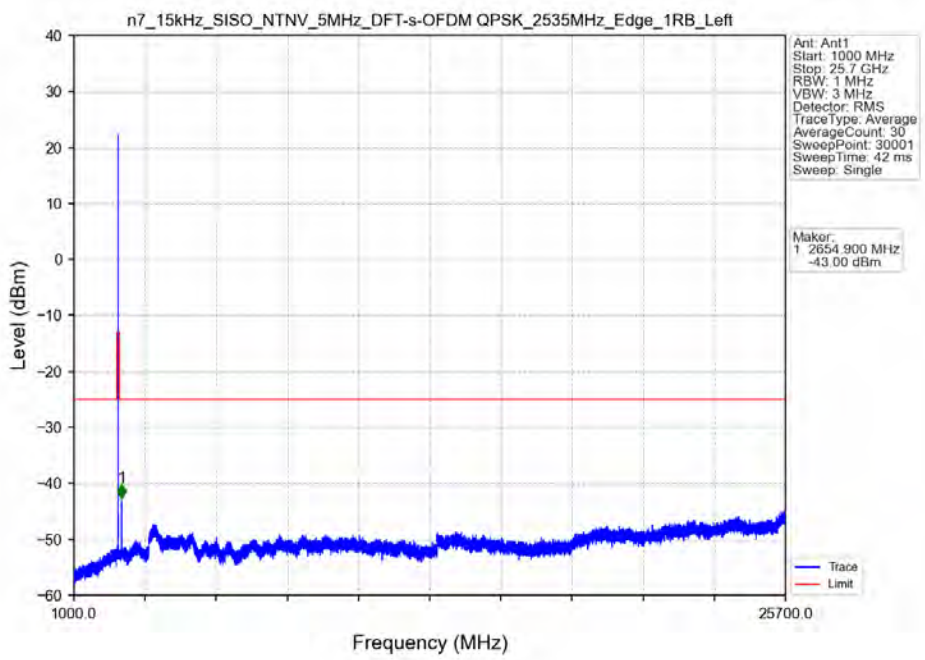

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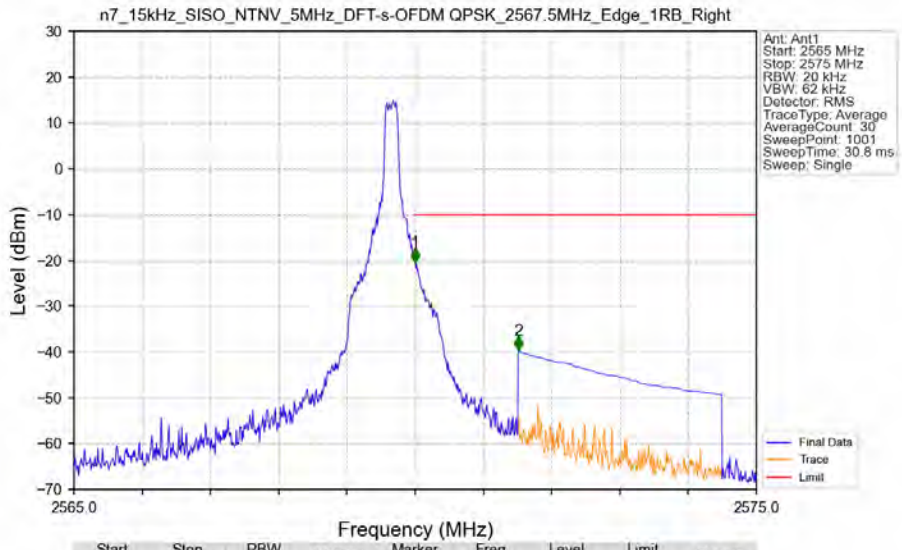

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.000	-20.50	-10	Pass
2571	2575	1	CHP	2	2571.510	-39.69	-10	Pass

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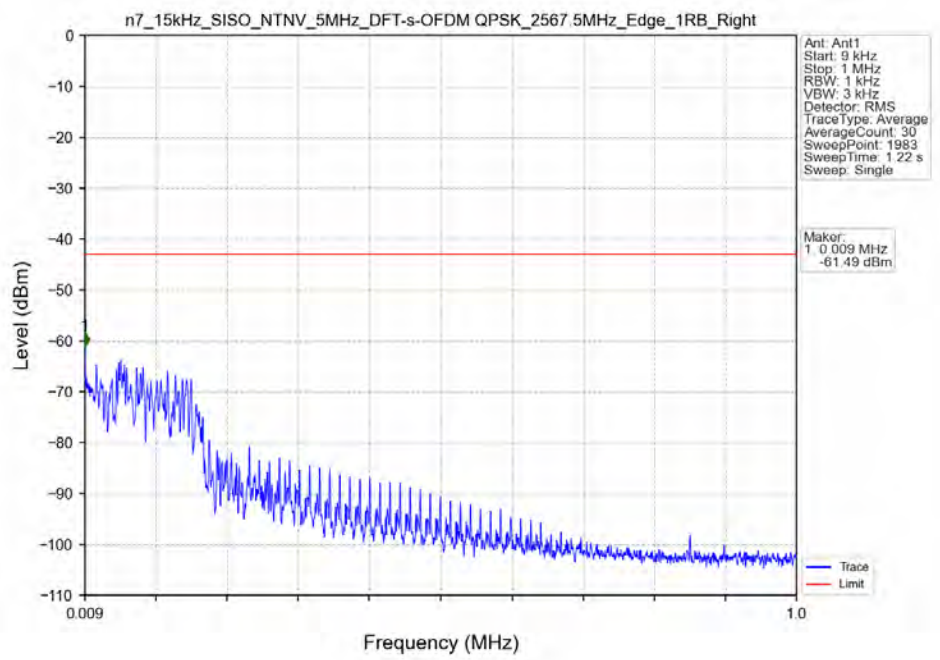

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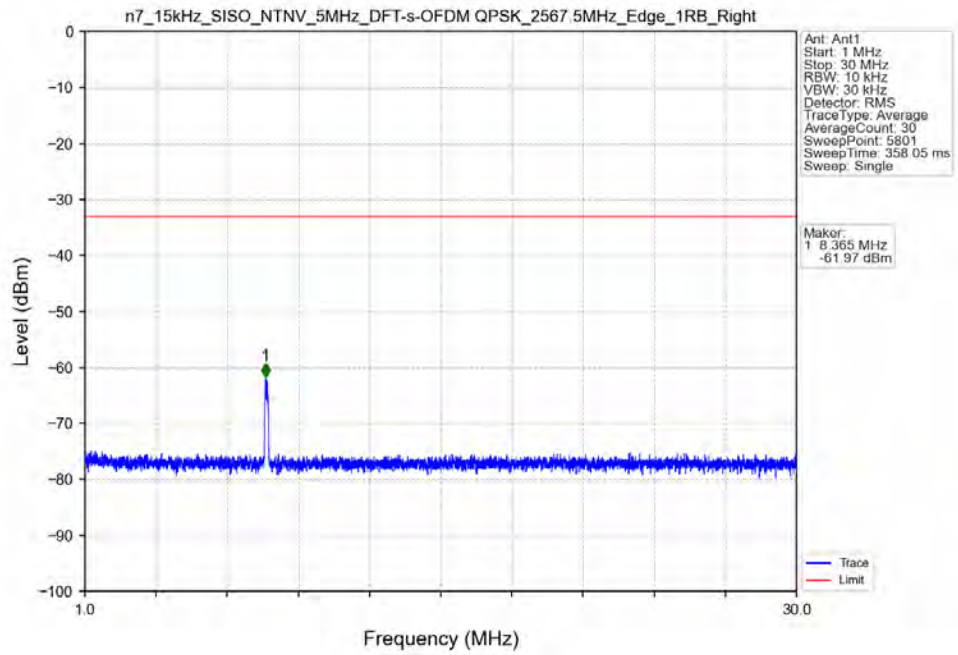

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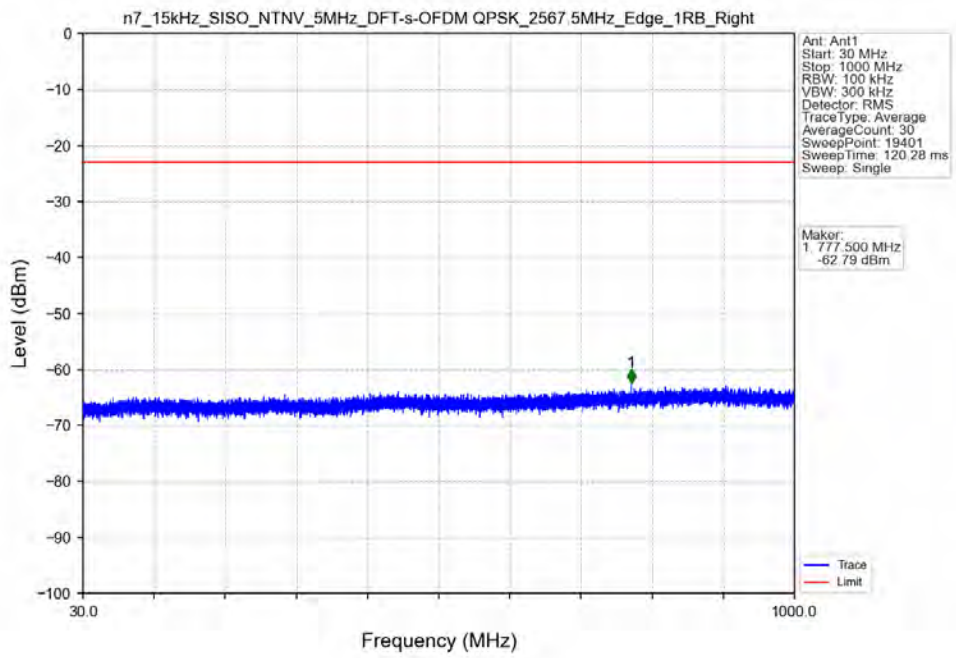

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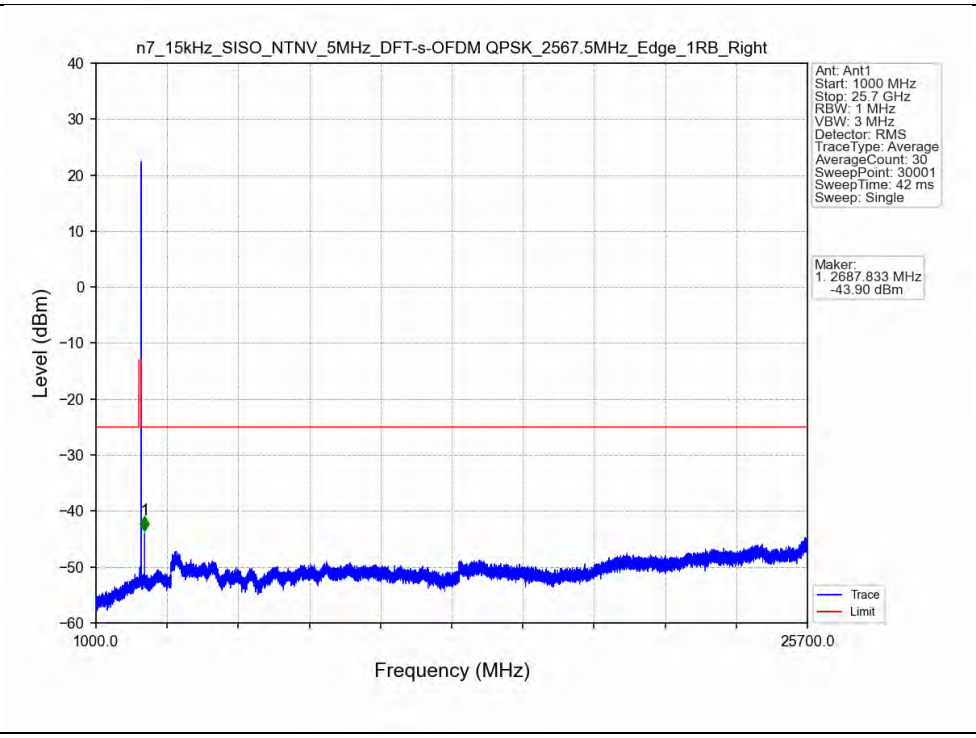

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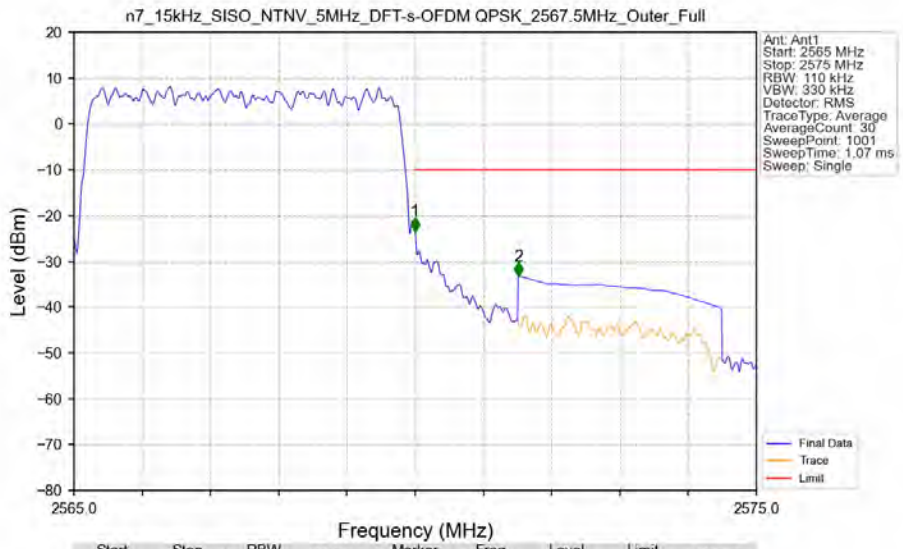

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.11	/	/	/	/	/	/
2570	2571	0.11	/	1	2570.000	-23.48	-10	Pass
2571	2575	1	CHP	2	2571.510	-33.29	-10	Pass

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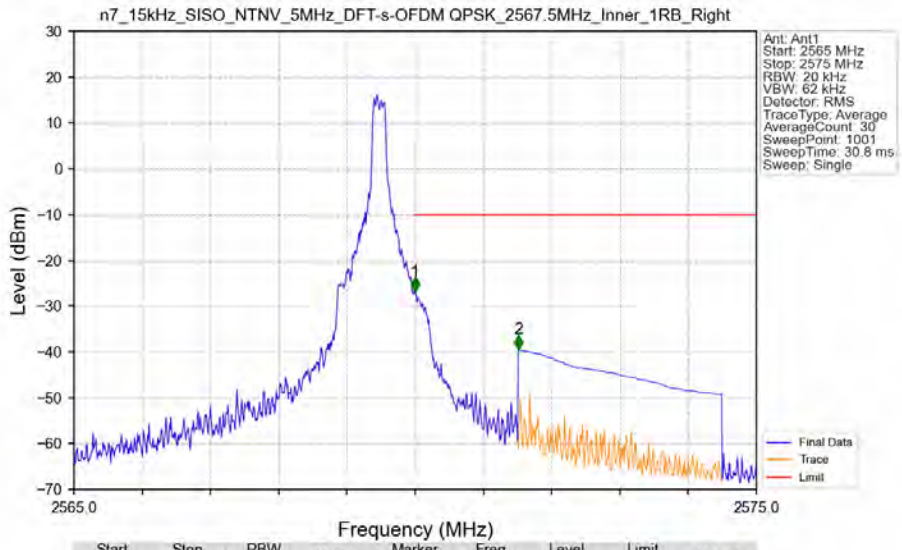

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.000	-26.83	-10	Pass
2571	2575	1	CHP	2	2571.510	-39.42	-10	Pass

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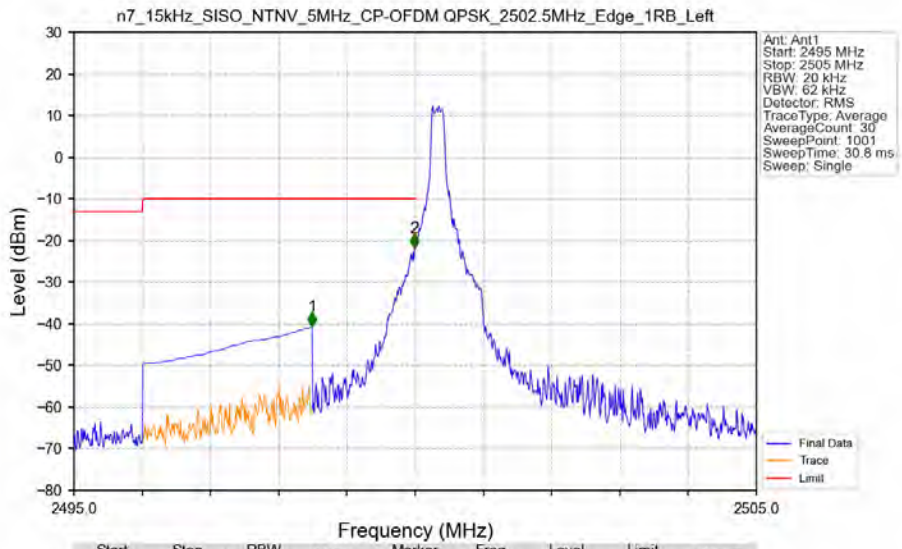

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-40.70	-10	Pass
2499	2500	0.02	/	2	2499.990	-21.79	-10	Pass
2500	2505	0.02	/	/	/	/	/	/

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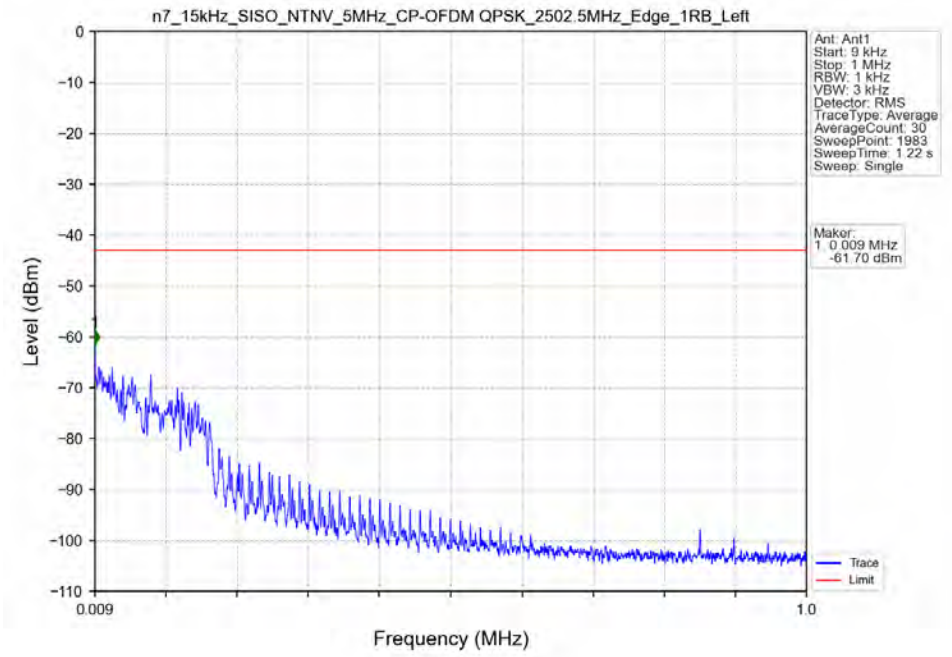

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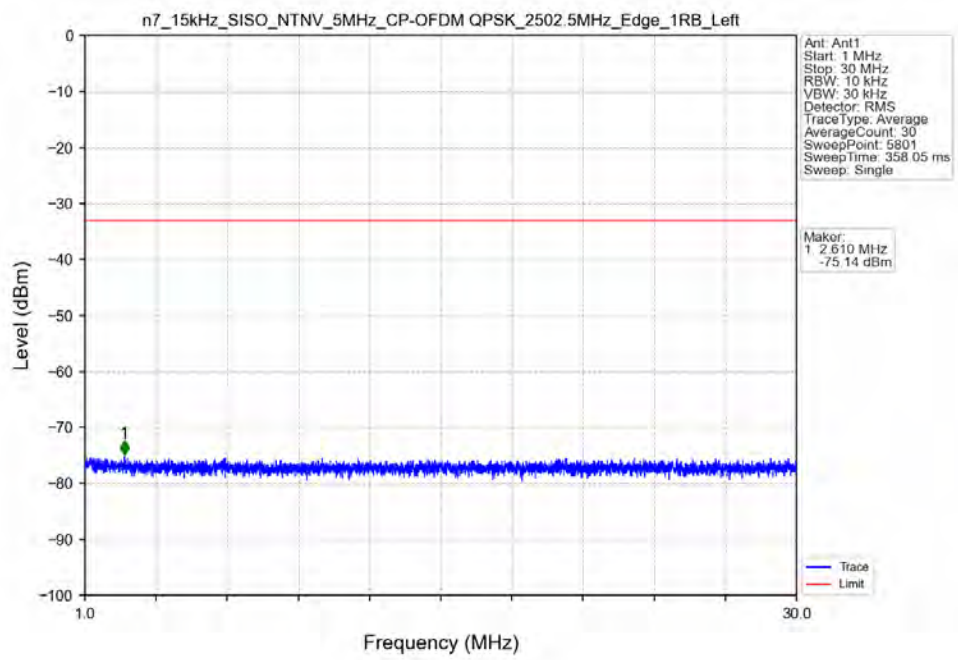
n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2502.5MHz_Edge_1RB_Left



n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2502.5MHz_Edge_1RB_Left

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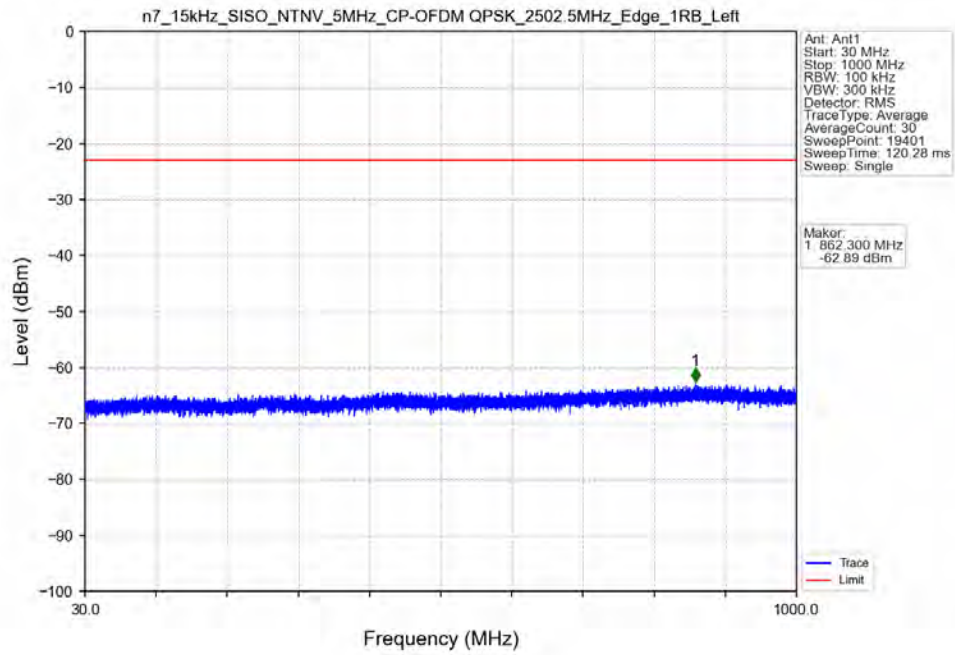

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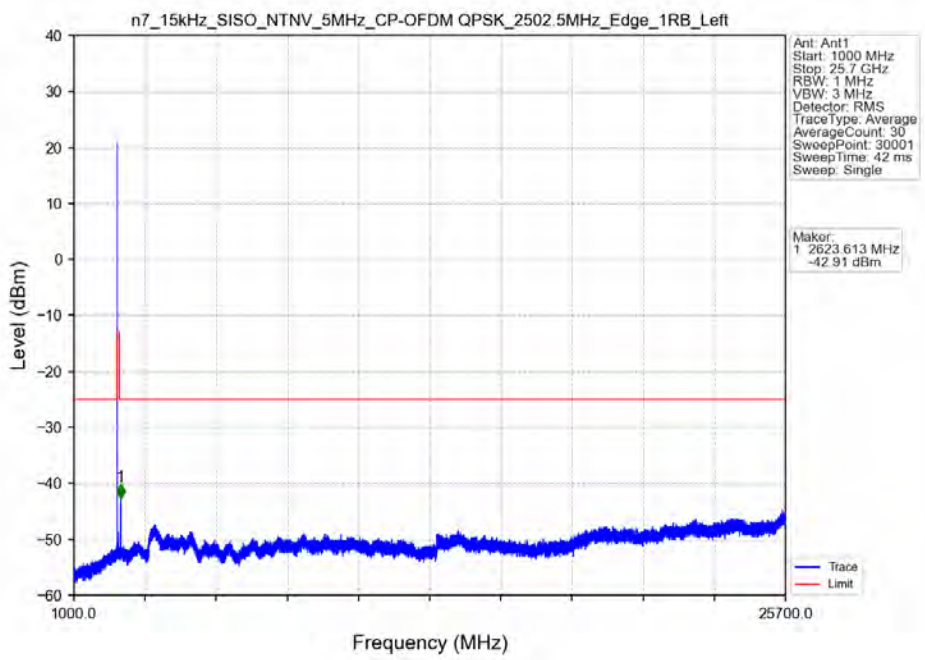

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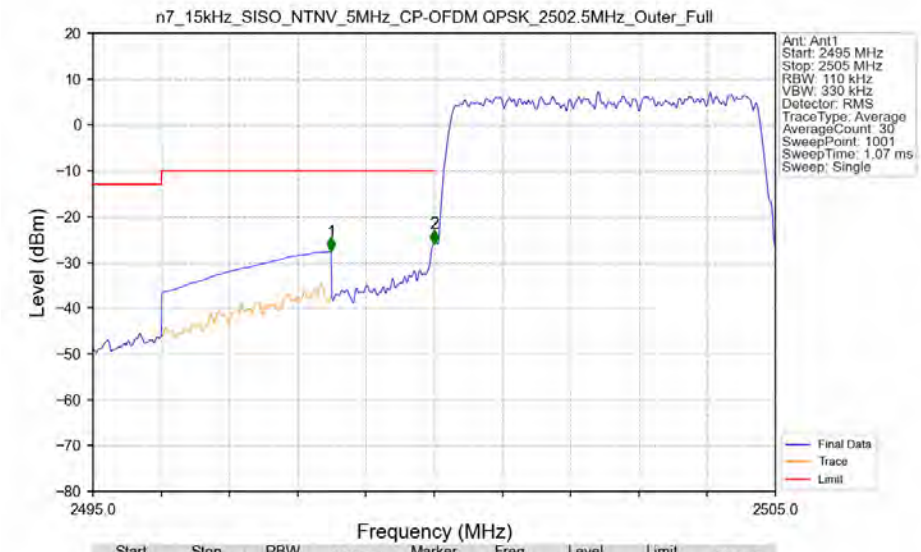

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-27.67	-10	Pass
2499	2500	0.11	/	2	2500.000	-25.95	-10	Pass
2500	2505	0.11	/	/	/	/	/	/

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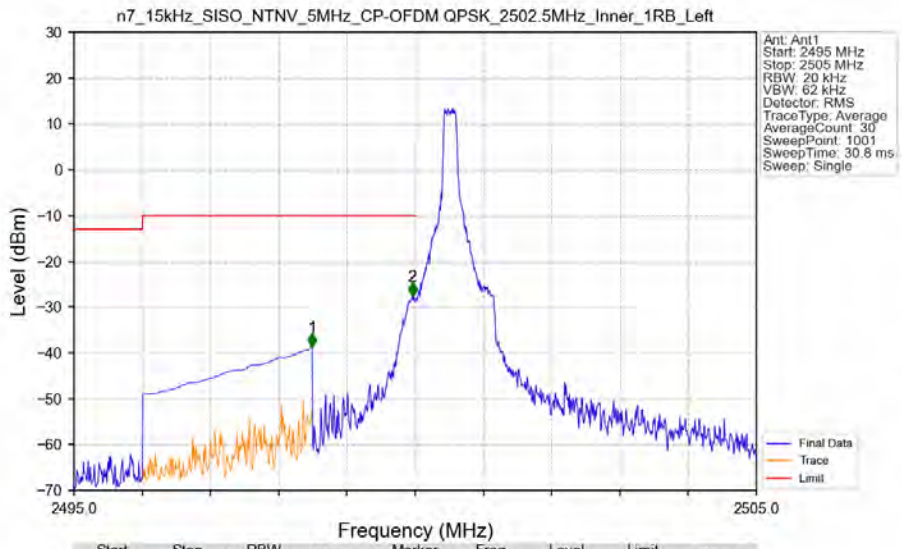

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-38.82	-10	Pass
2499	2500	0.02	/	2	2499.960	-27.68	-10	Pass
2500	2505	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2535MHz_Edge_1RB_Left

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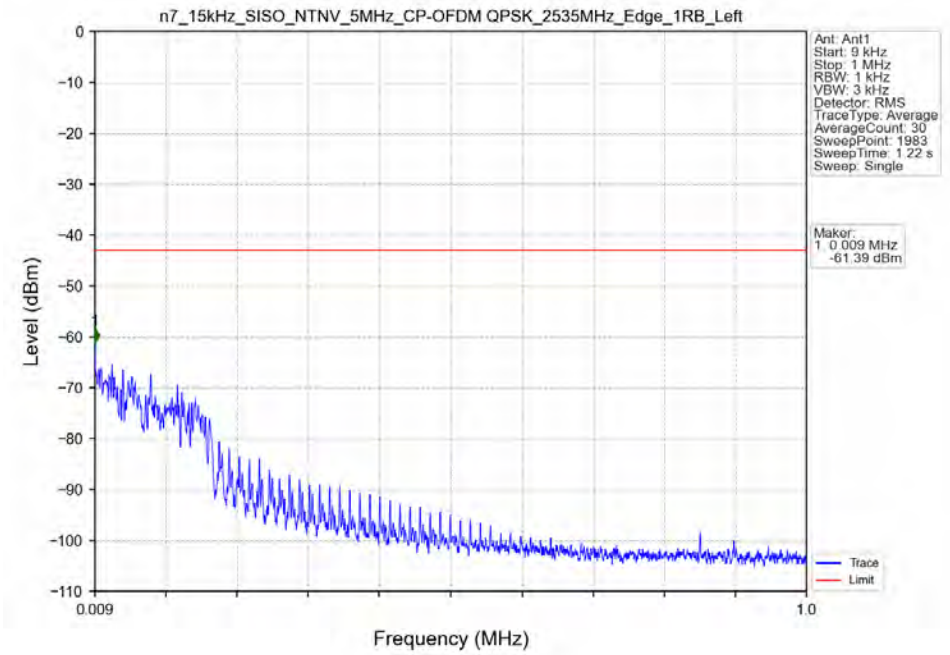

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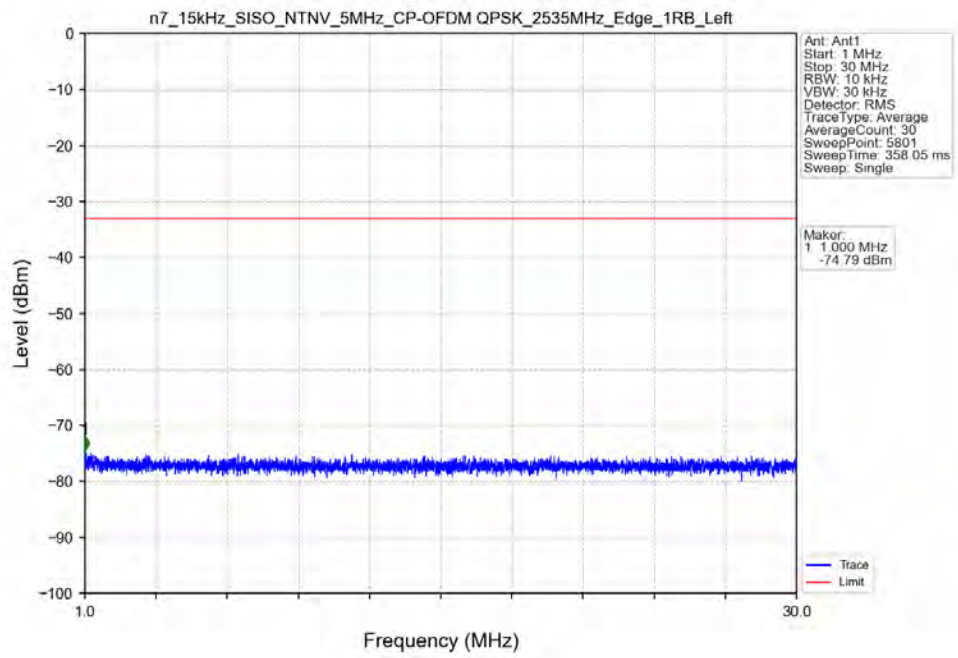

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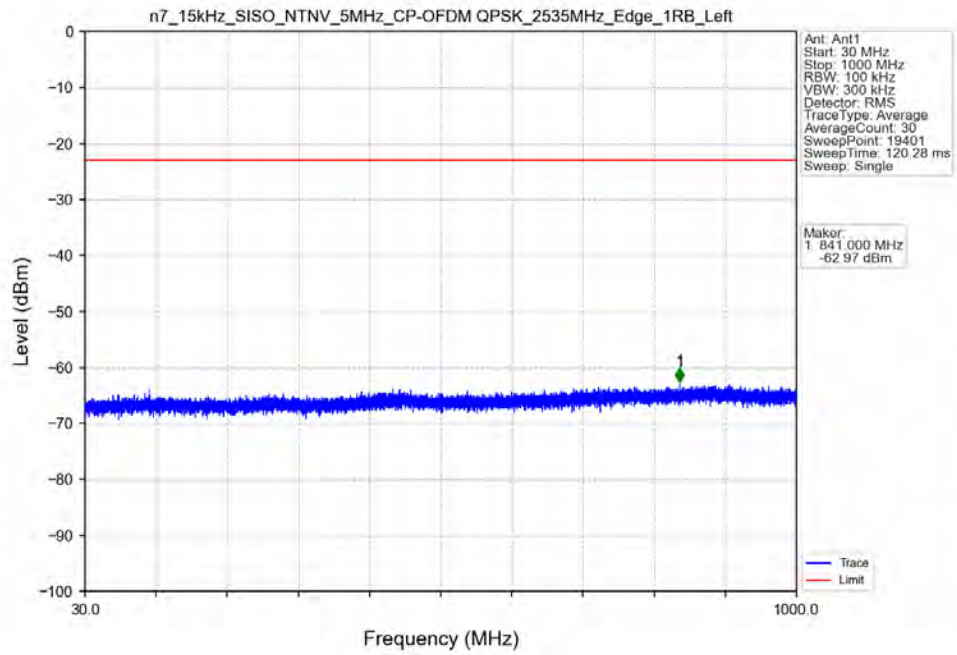

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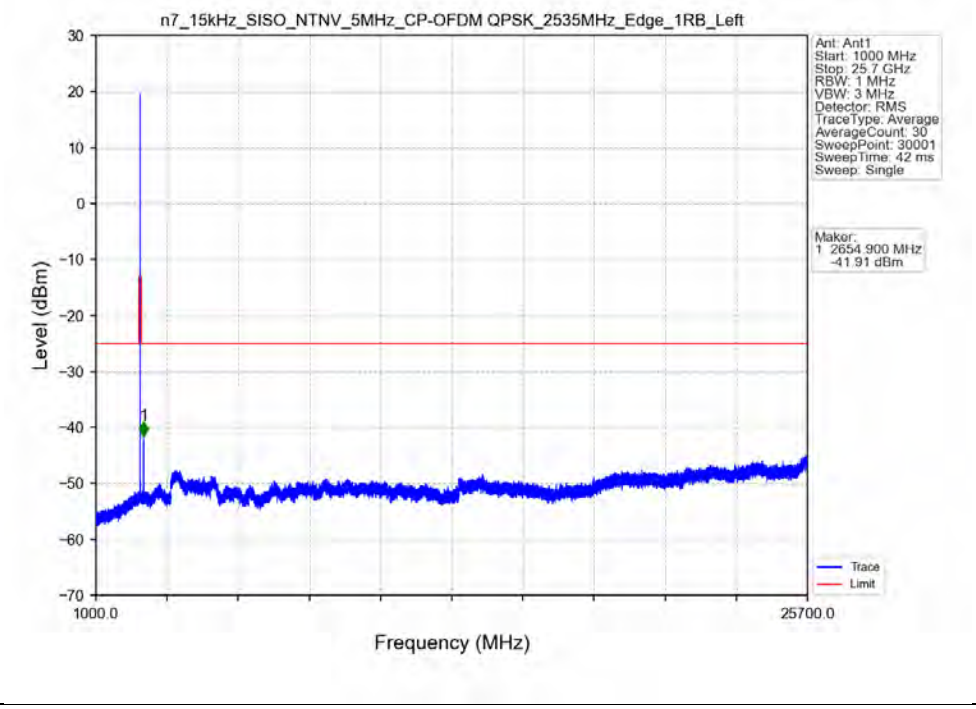

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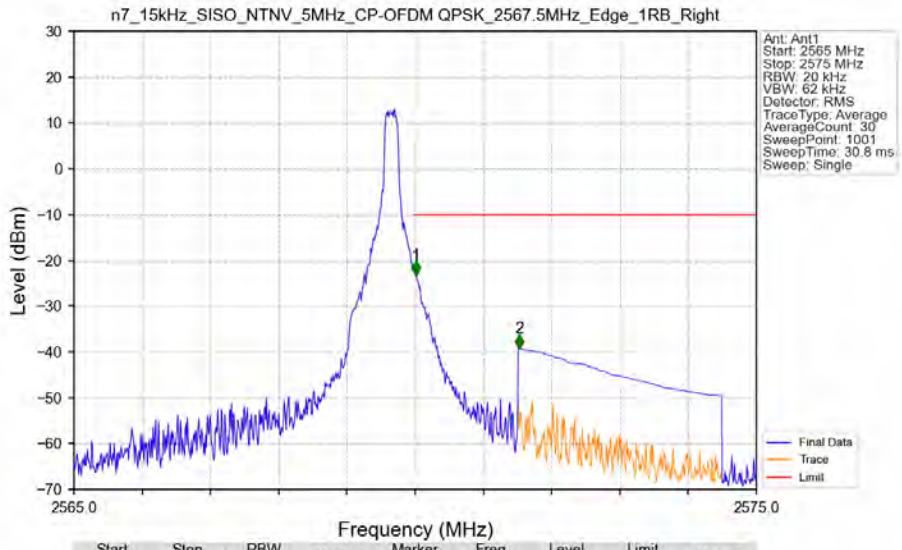

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.010	-23.29	-10	Pass
2571	2575	1	CHP	2	2571.530	-39.23	-10	Pass

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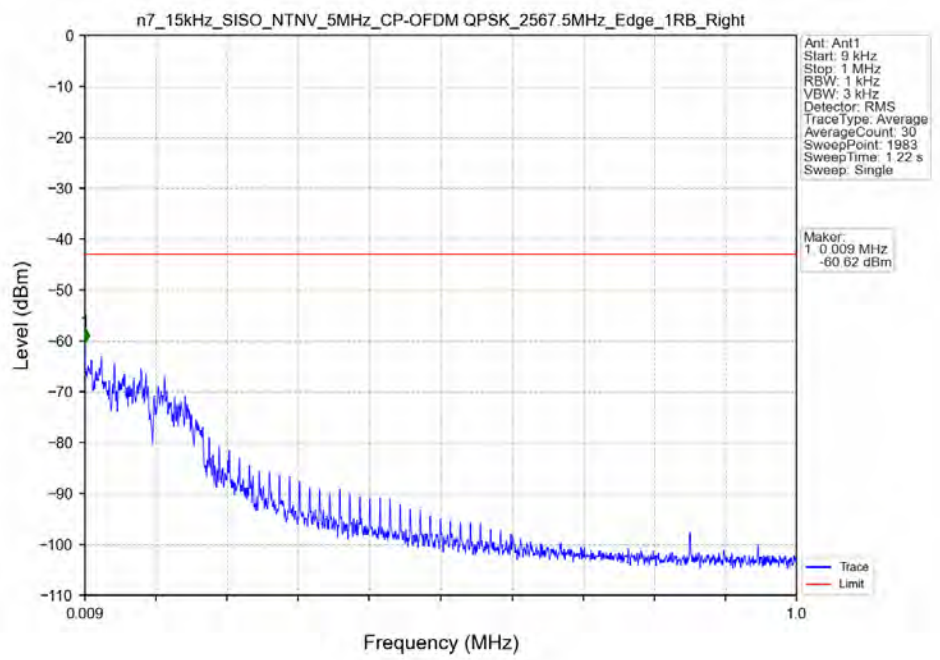

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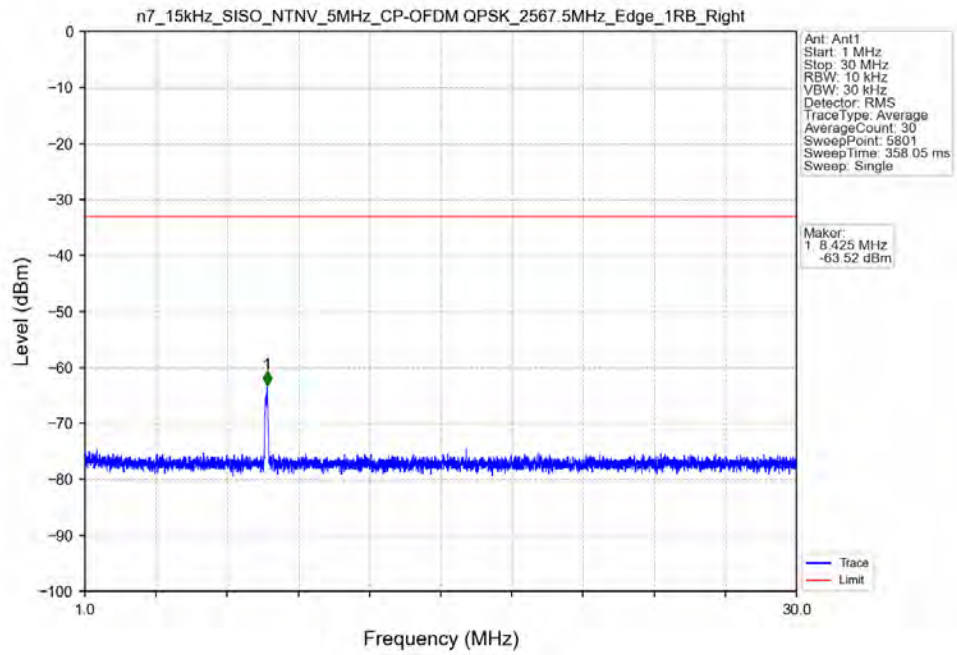

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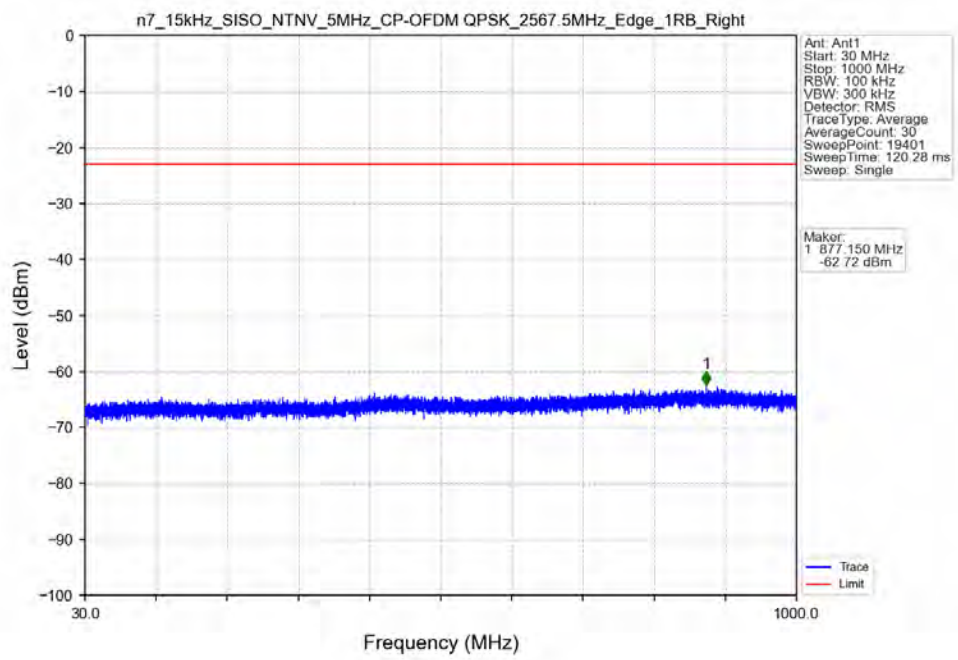

n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2567.5MHz_Edge_1RB_Right

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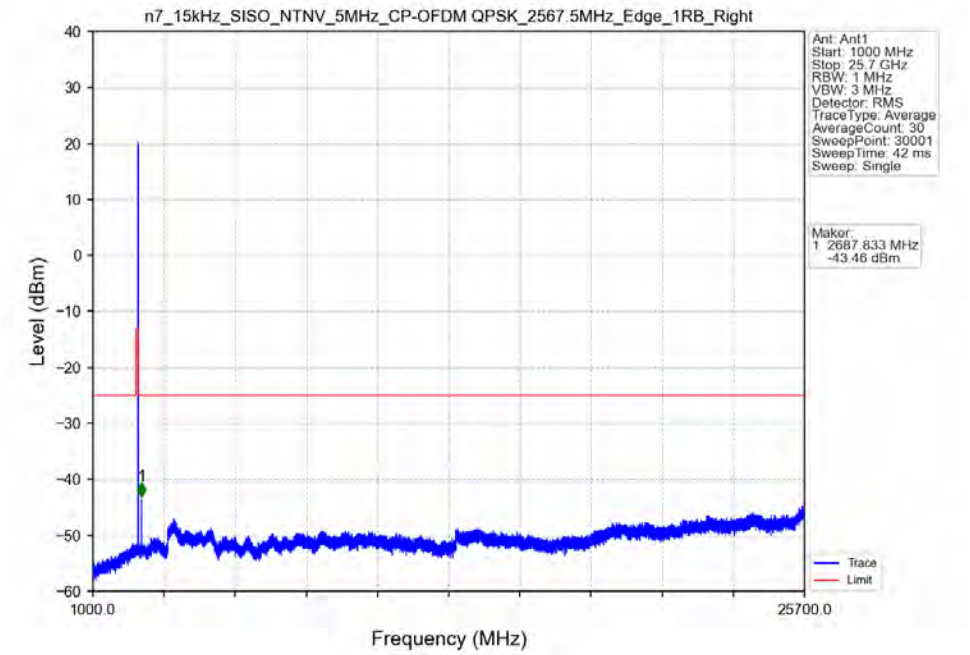

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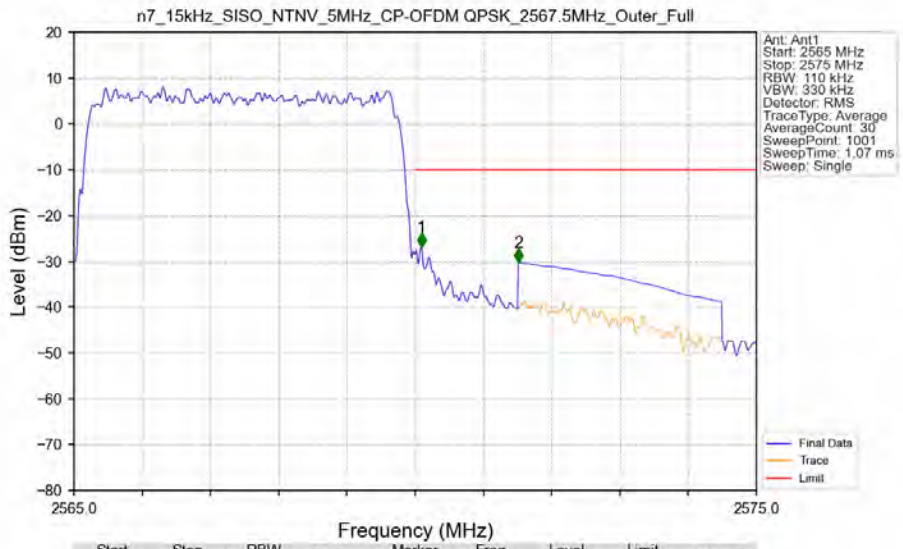
n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2567.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.11	/	/	/	/	/	/
2570	2571	0.11	/	1	2570.090	-26.93	-10	Pass
2571	2575	1	CHP	2	2571.510	-30.25	-10	Pass

n7_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_2567.5MHz_Inner_1RB_Right

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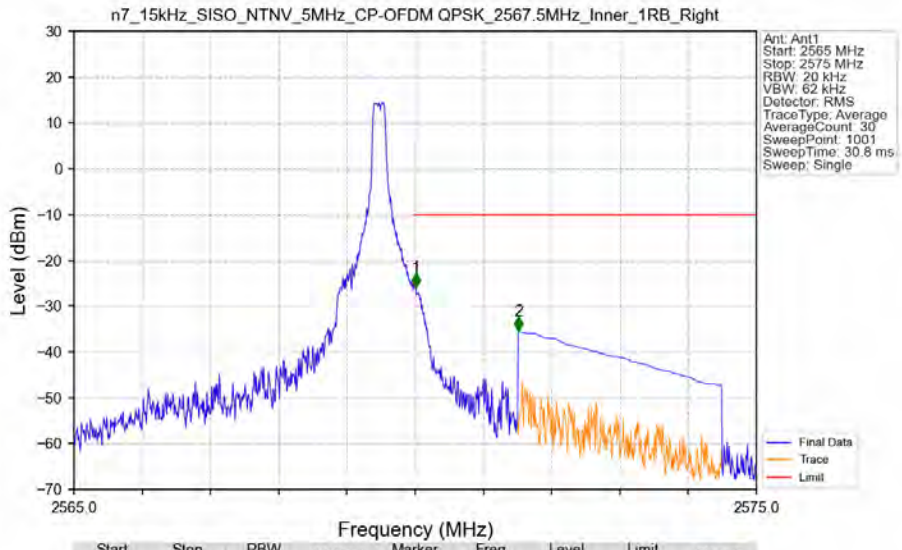

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2565	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.010	-25.93	-10	Pass
2571	2575	1	CHP	2	2571.510	-35.41	-10	Pass

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5.2 15k_SISO_10MHz_NTNV

5.2.1 Test Result

5G NR n7 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2505	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
	2565	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	2505	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
	2565	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	2505	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
	2565	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

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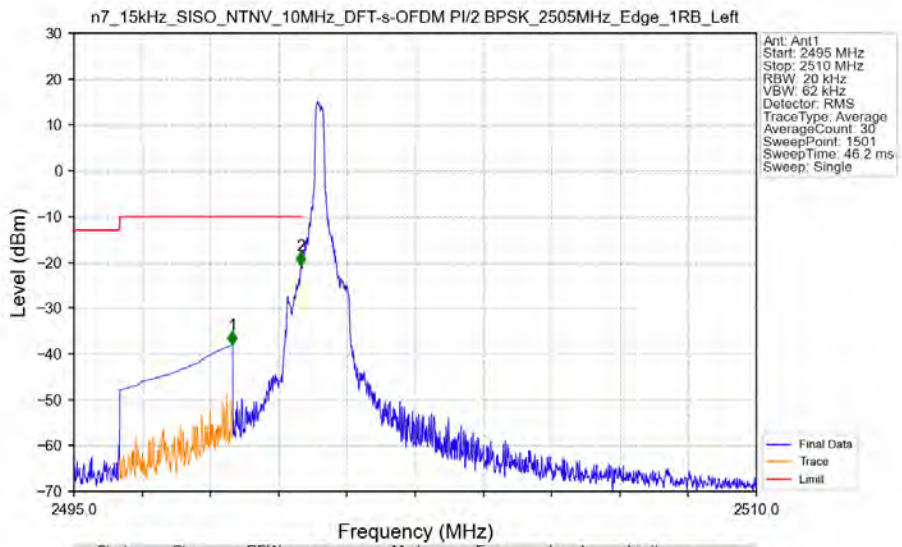

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.480	-38.03	-10	Pass
2499	2500	0.02	/	2	2499.990	-20.86	-10	Pass
2500	2510	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2505MHz_Edge_1RB_Left

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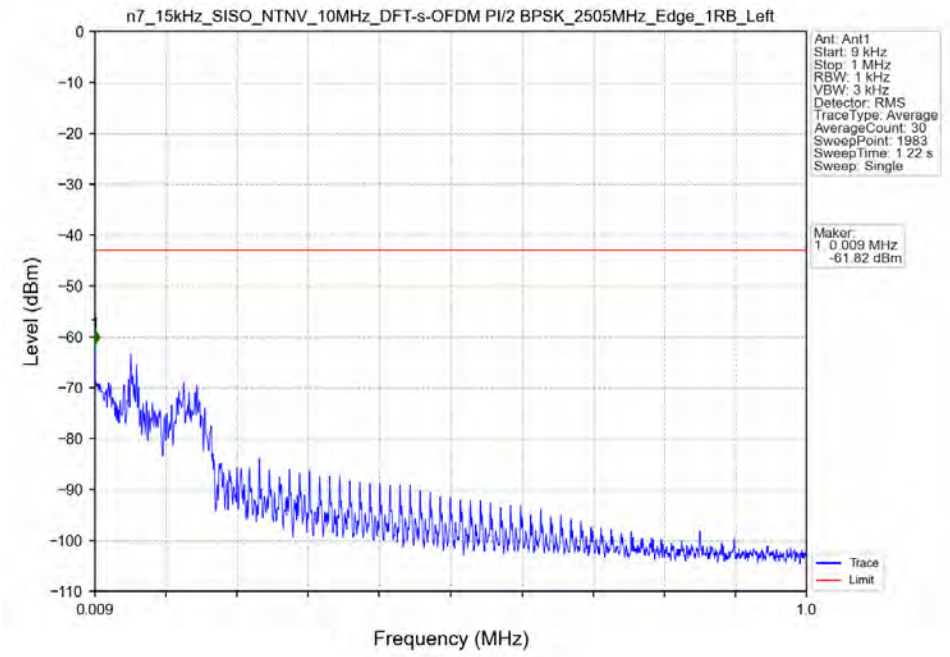

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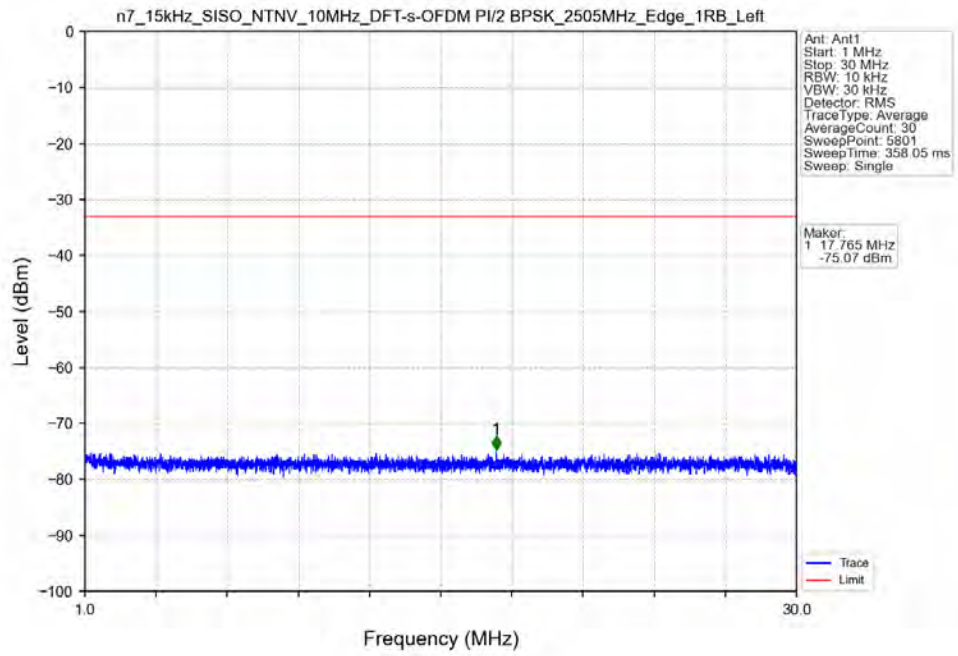

n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2505MHz_Edge_1RB_Left

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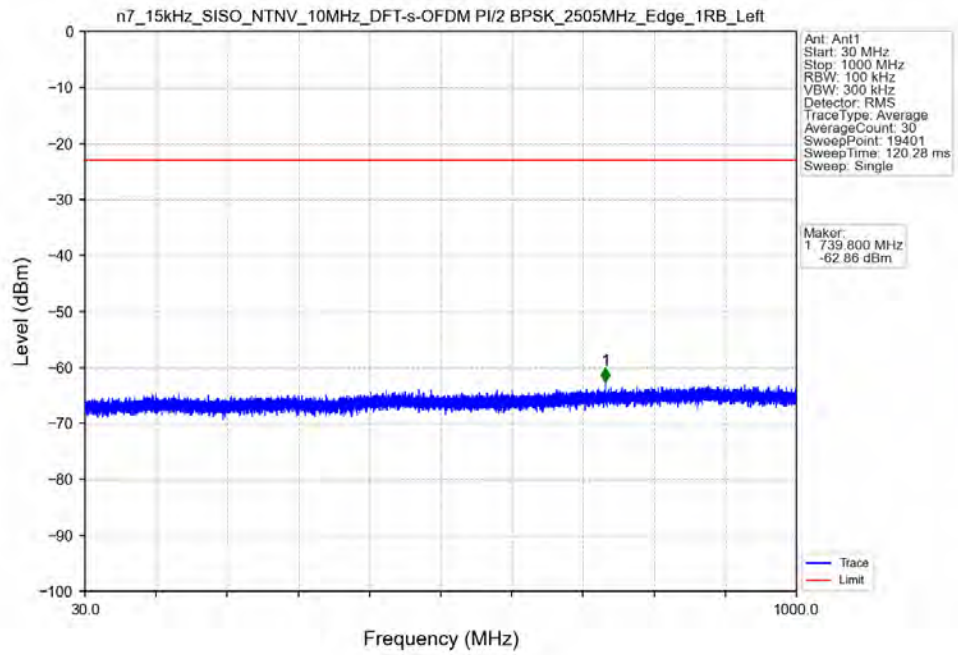

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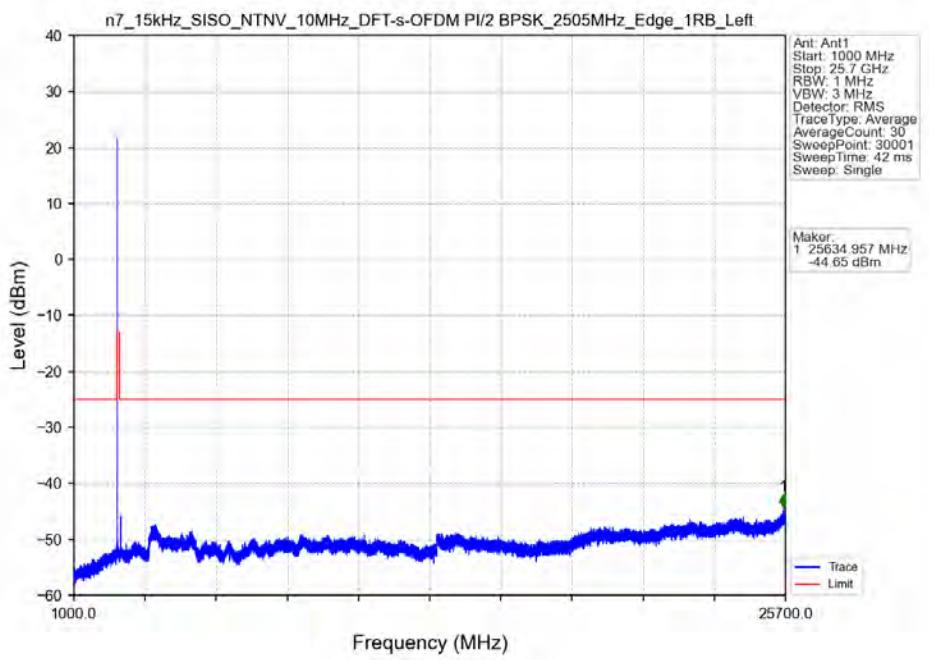

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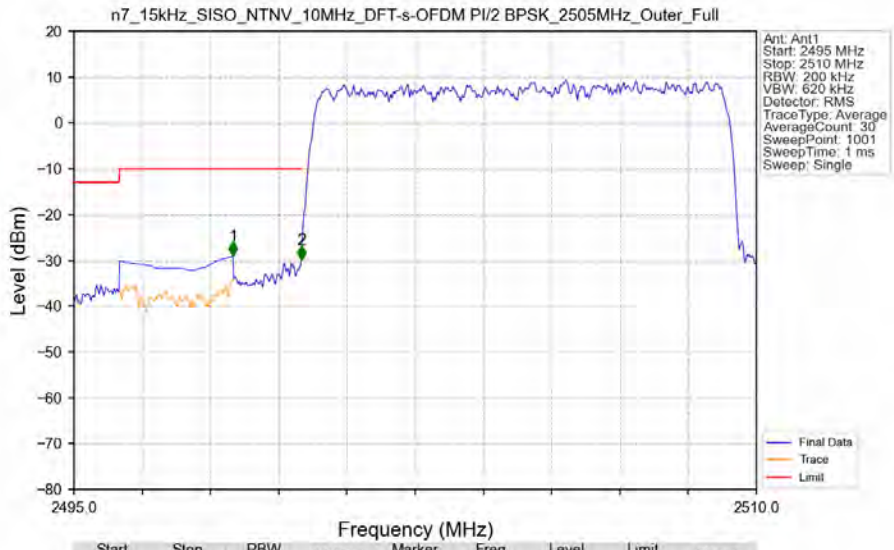

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.495	-29.04	-10	Pass
2499	2500	0.2	/	2	2499.995	-29.93	-10	Pass
2500	2510	0.2	/	/	/	/	/	/

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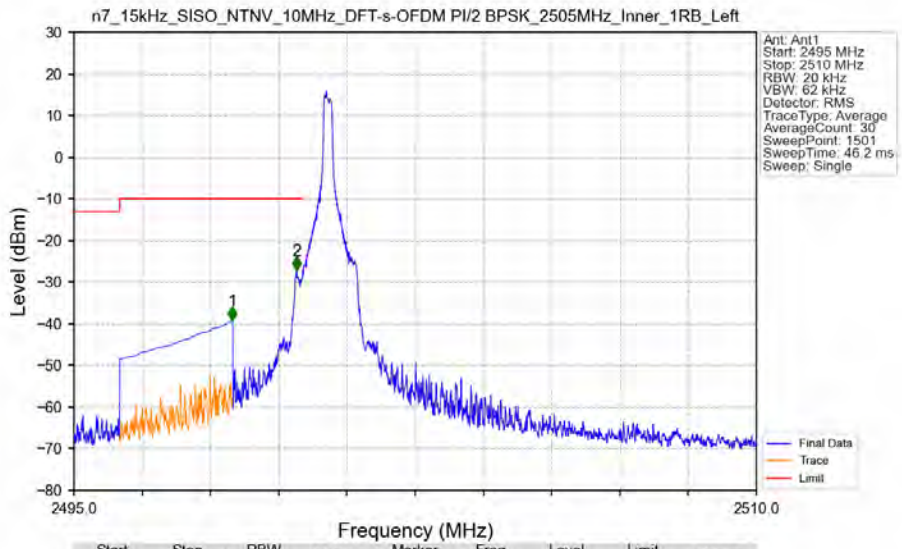

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.480	-39.29	-10	Pass
2499	2500	0.02	/	2	2499.890	-27.22	-10	Pass
2500	2510	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Edge_1RB_Left

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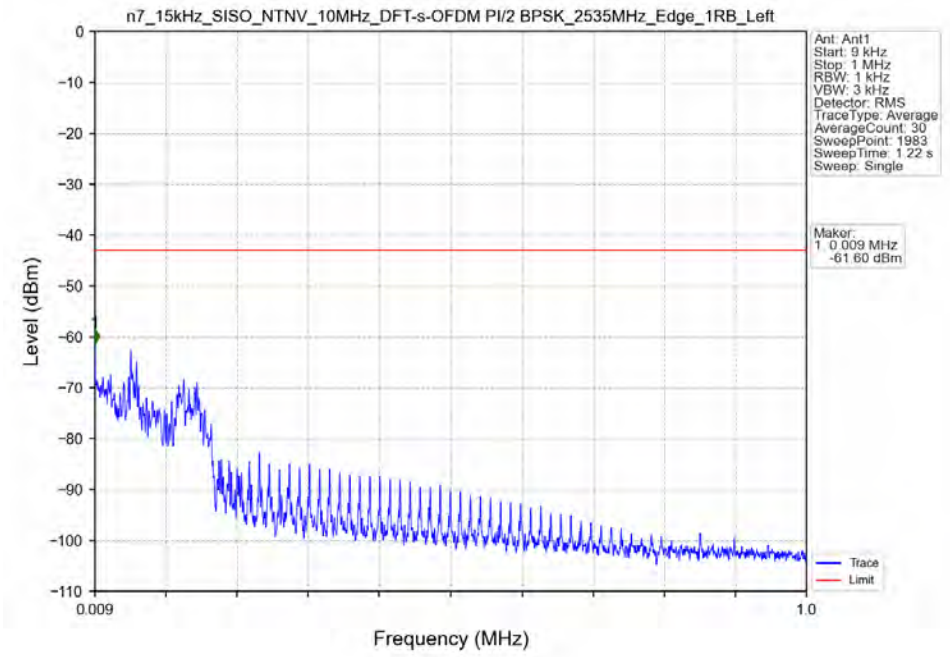

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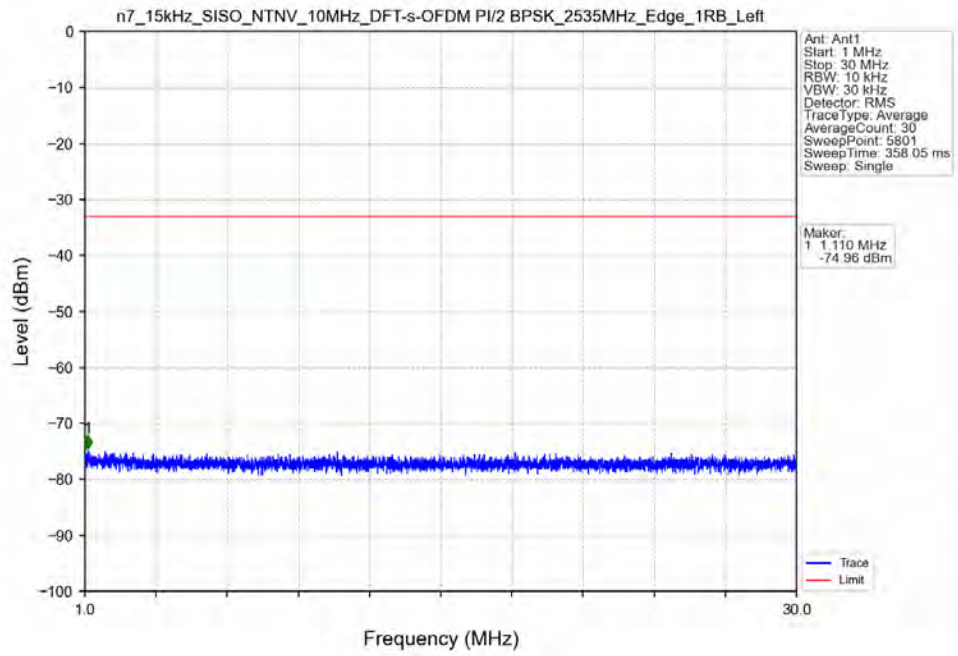
n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Edge_1RB_Left



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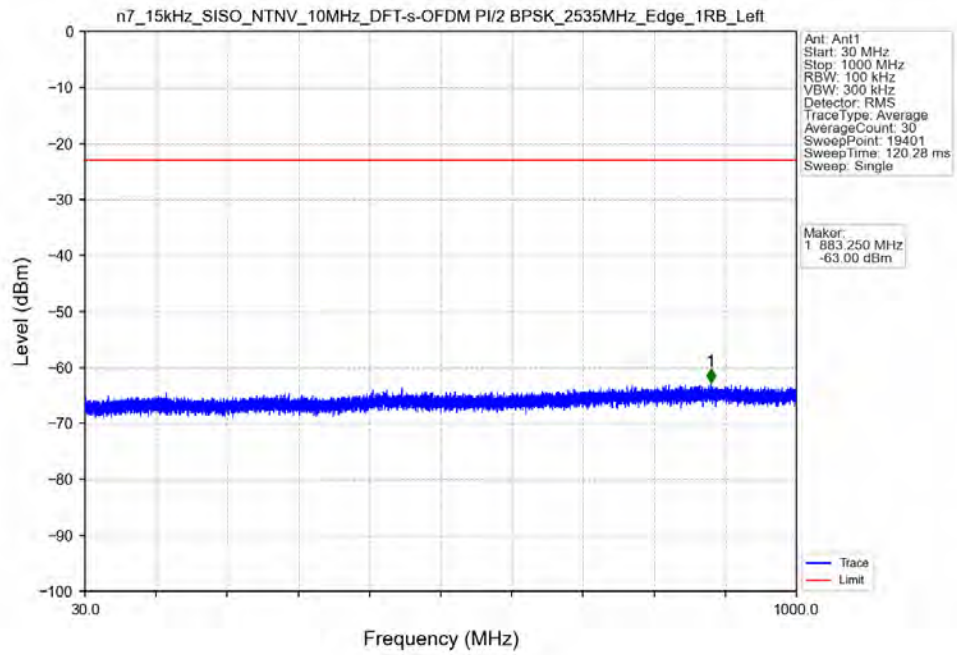

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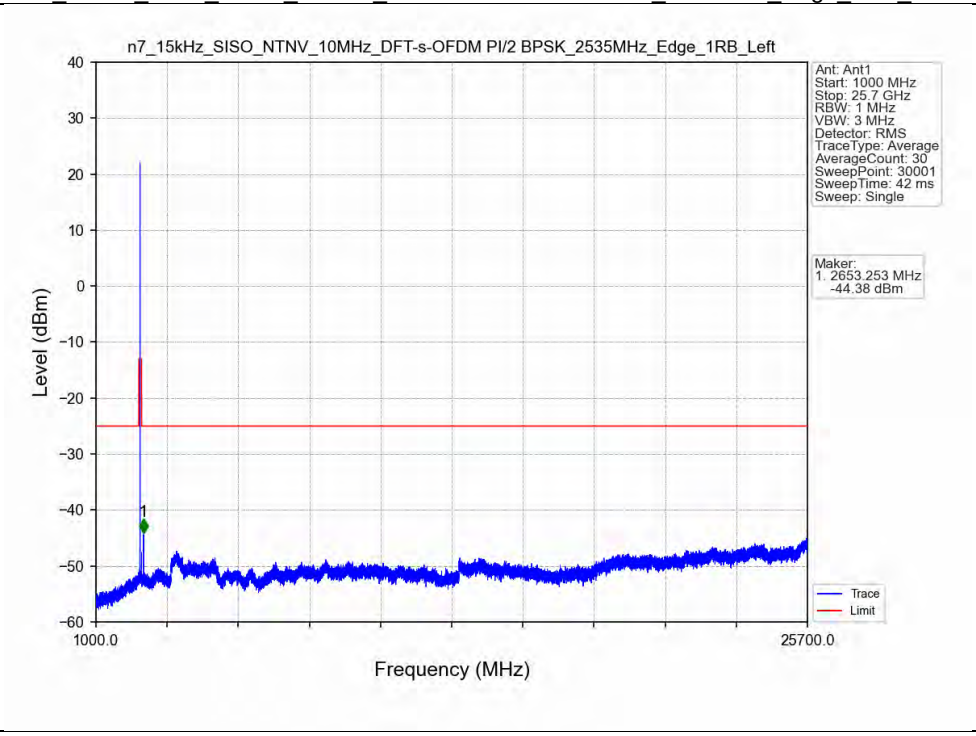

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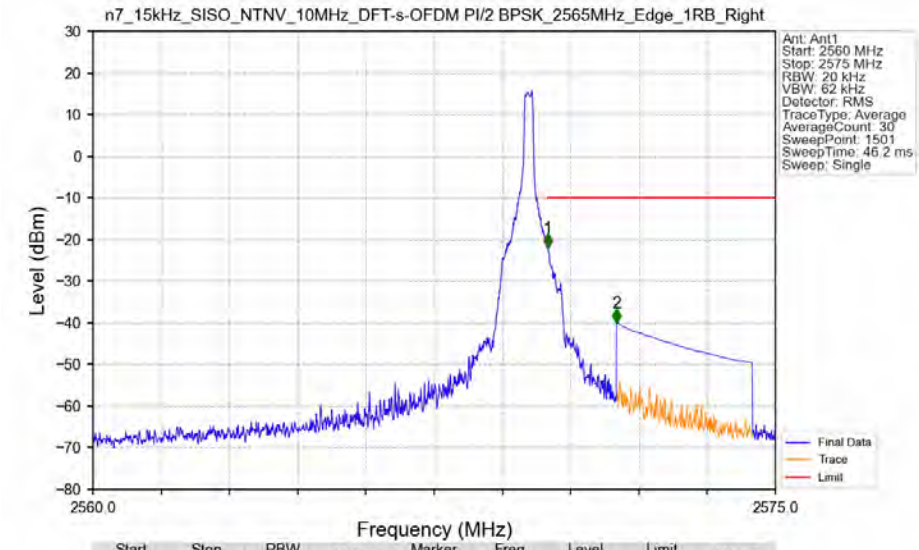

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.000	-22.01	-10	Pass
2571	2575	1	CHP	2	2571.510	-40.03	-10	Pass

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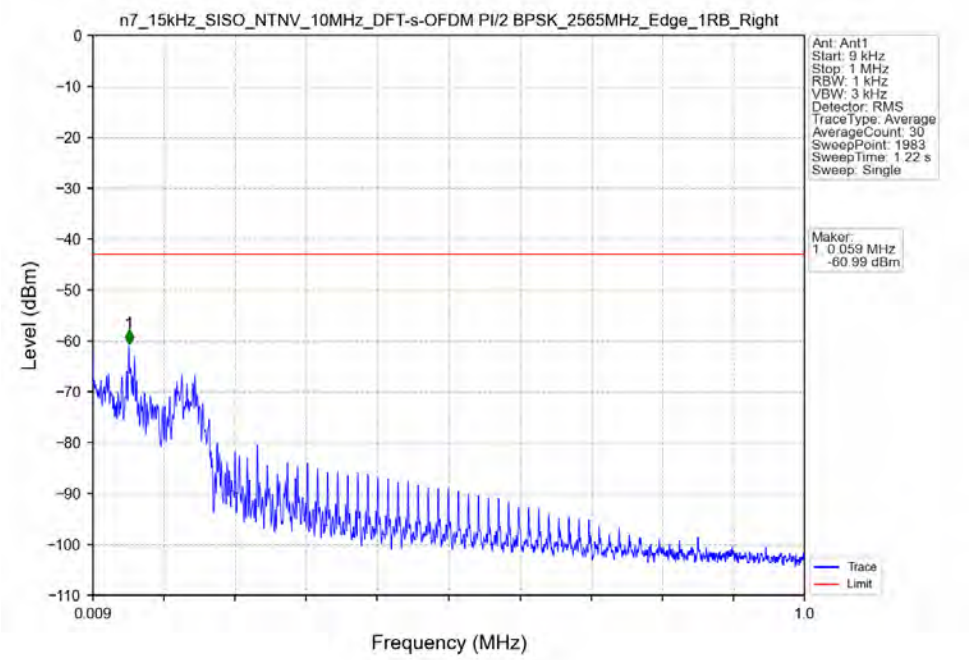

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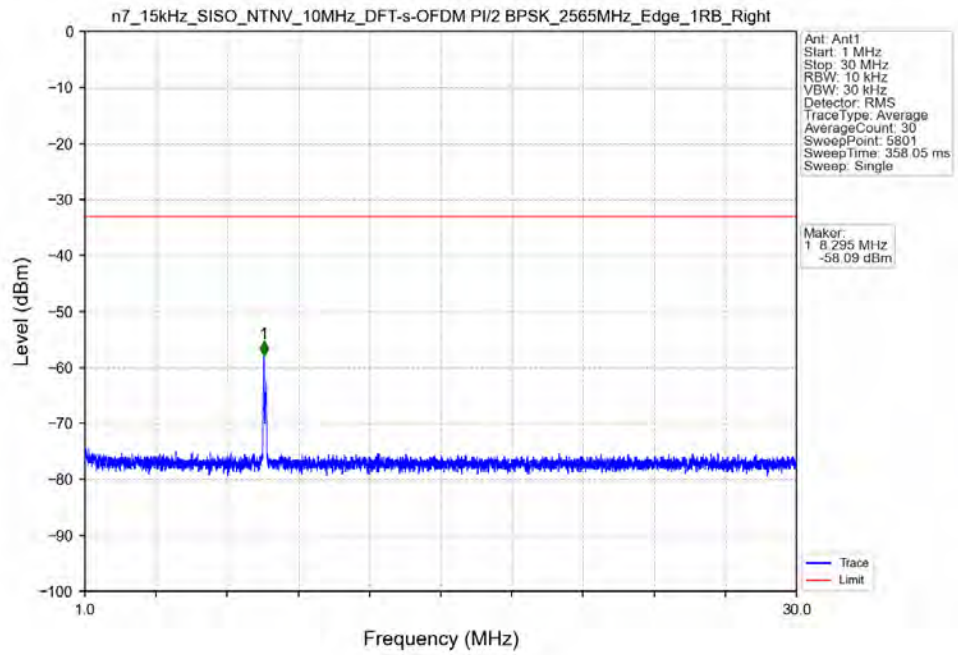

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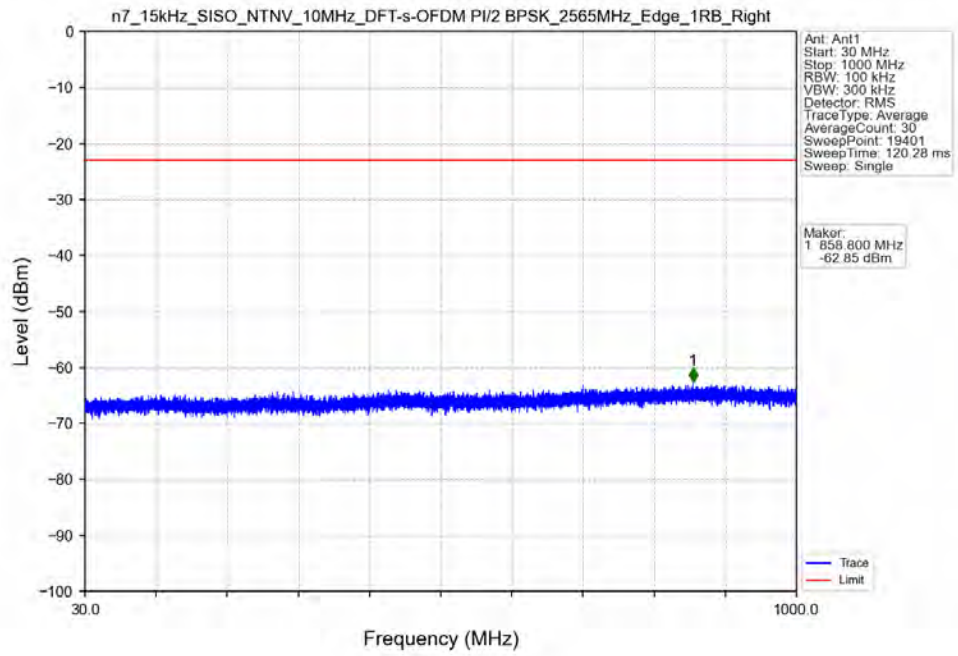

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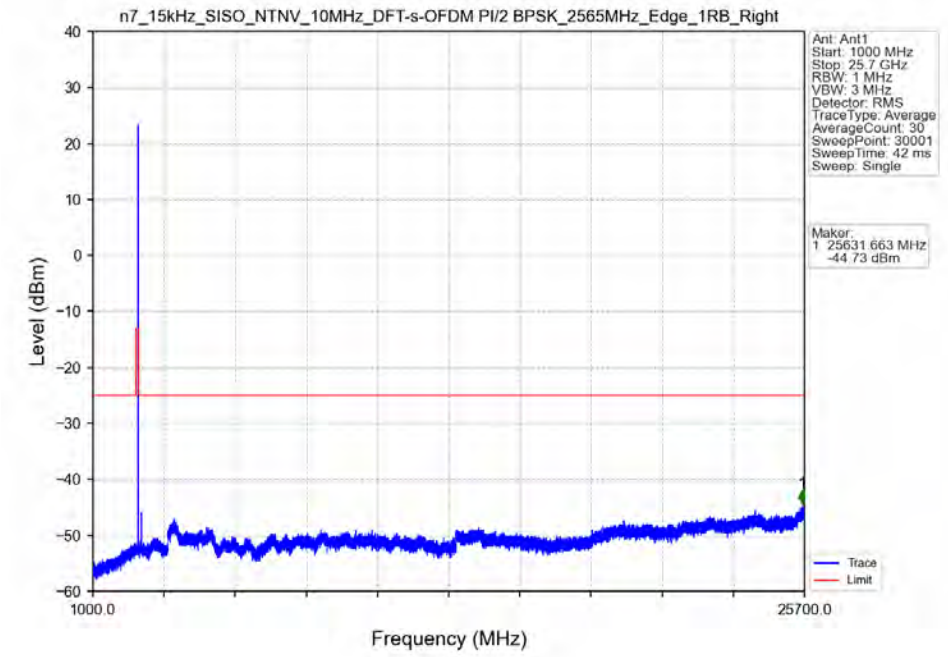

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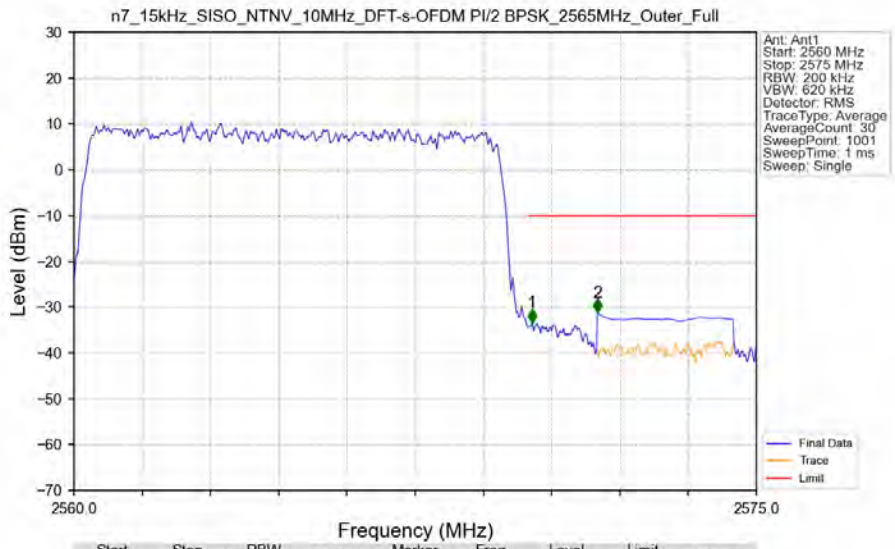

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.2	/	/	/	/	/	/
2570	2571	0.2	/	1	2570.065	-33.42	-10	Pass
2571	2575	1	CHP	2	2571.505	-31.27	-10	Pass

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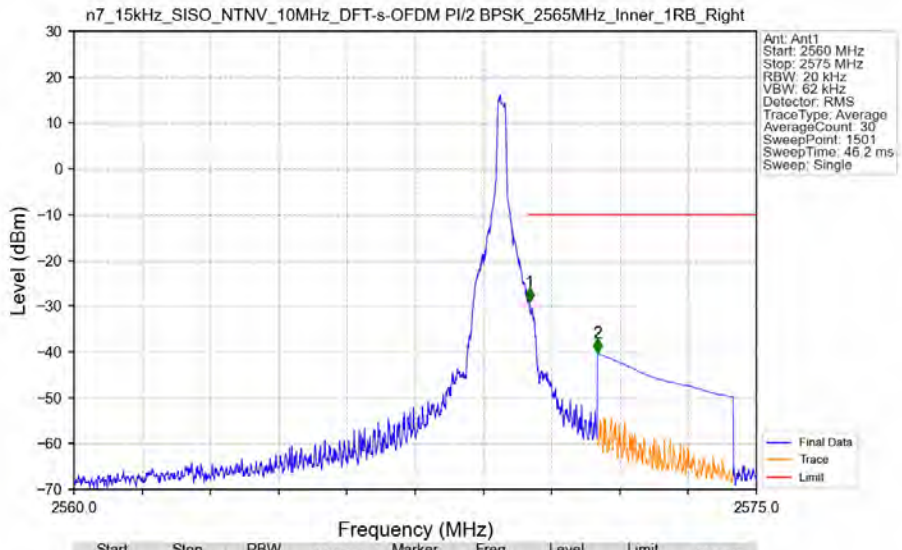

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.010	-29.10	-10	Pass
2571	2575	1	CHP	2	2571.510	-40.16	-10	Pass

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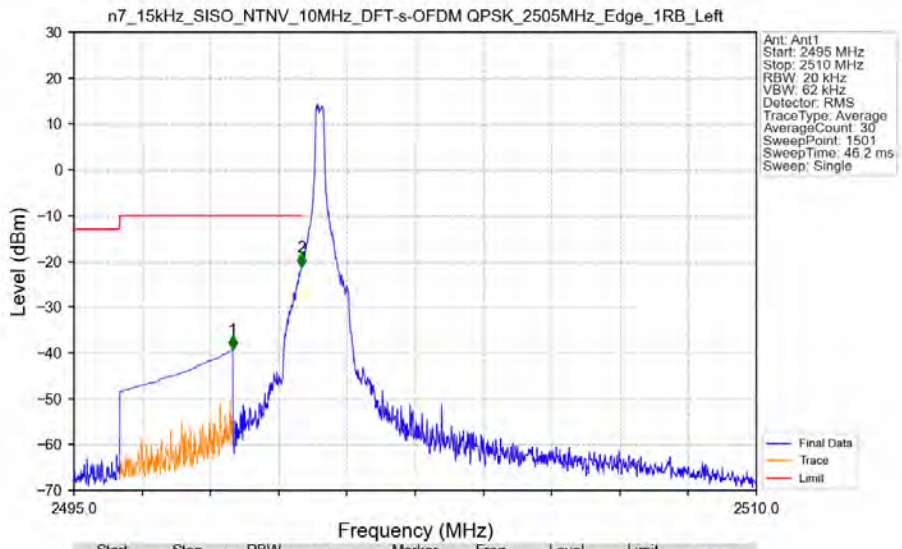

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-39.35	-10	Pass
2499	2500	0.02	/	2	2500.000	-21.35	-10	Pass
2500	2510	0.02	/	/	/	/	/	/

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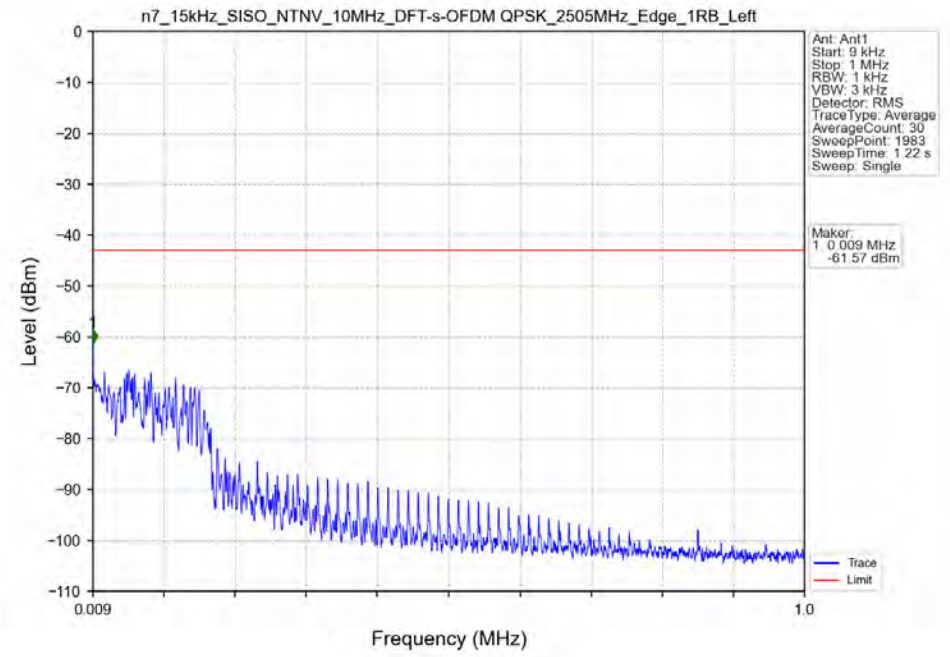

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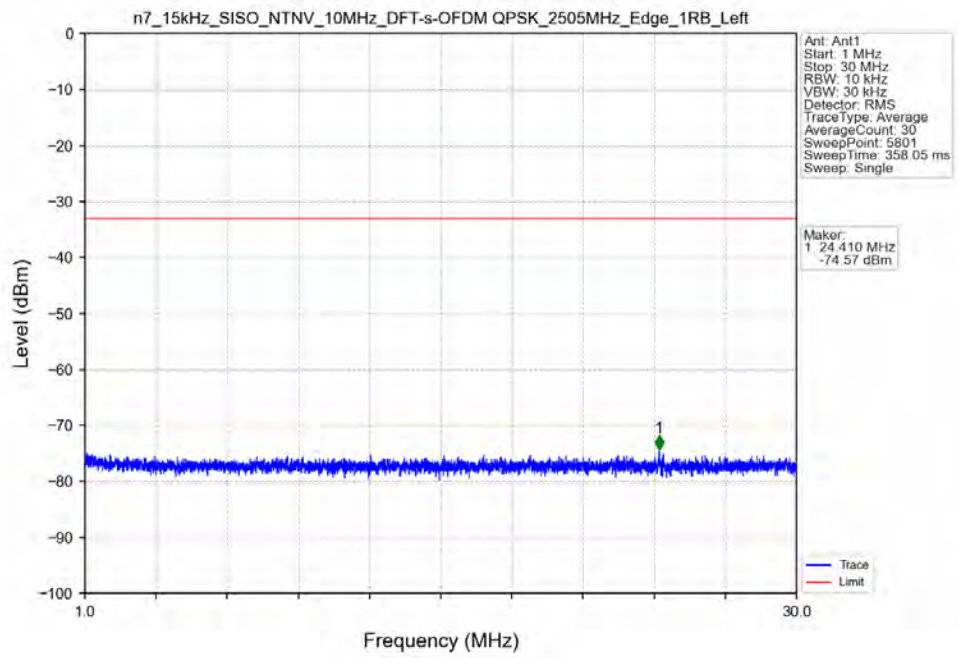
n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2505MHz_Edge_1RB_Left



n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2505MHz_Edge_1RB_Left

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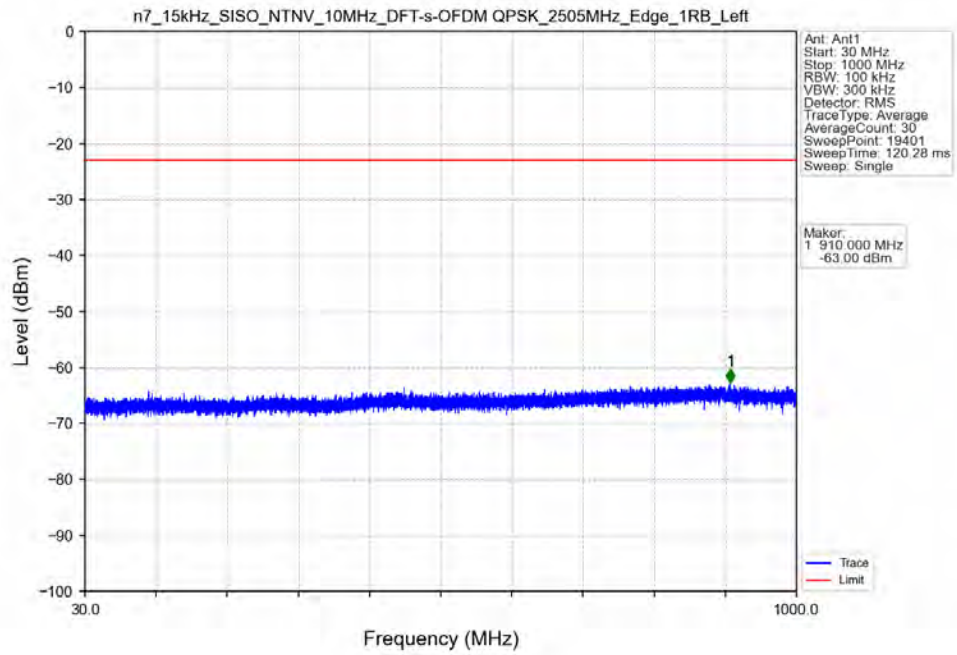

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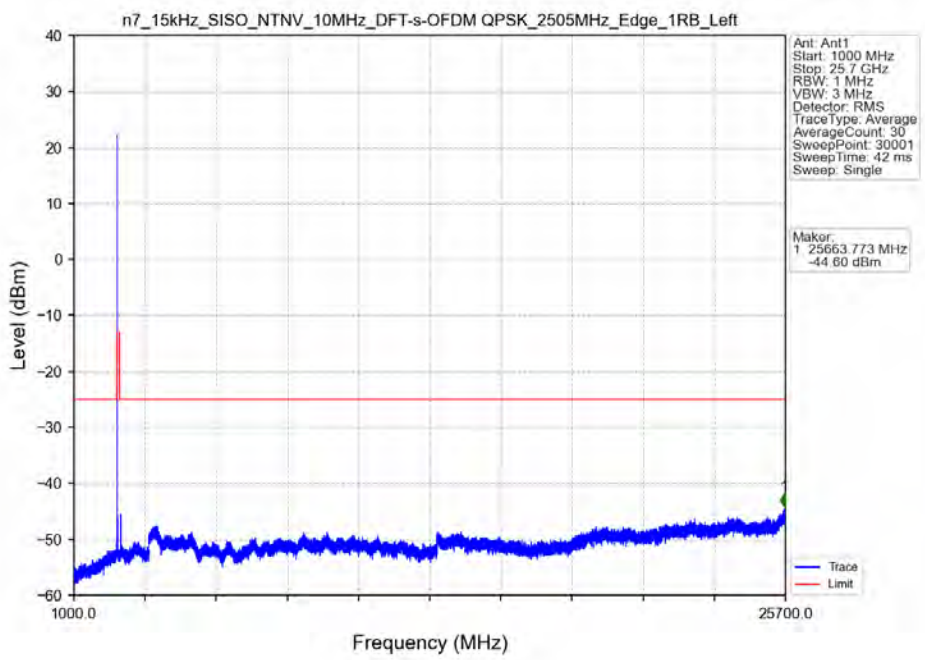
n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2505MHz_Edge_1RB_Left



n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2505MHz_Outer_Full

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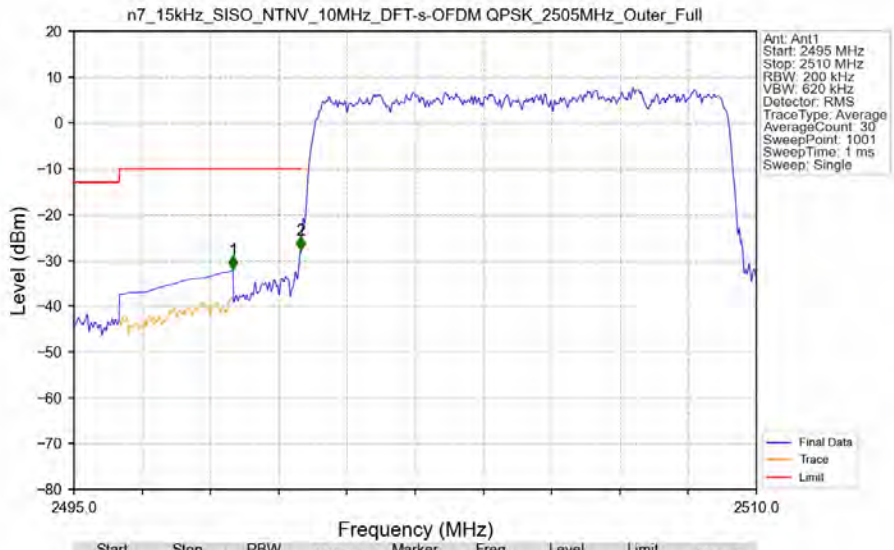

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.495	-32.00	-10	Pass
2499	2500	0.2	/	2	2499.980	-27.83	-10	Pass
2500	2510	0.2	/	/	/	/	/	/

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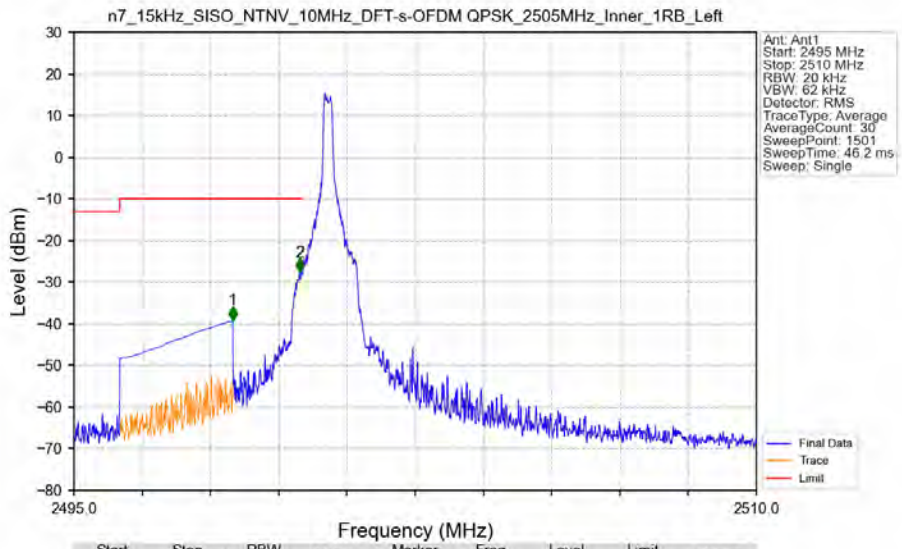

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-39.16	-10	Pass
2499	2500	0.02	/	2	2499.960	-27.62	-10	Pass
2500	2510	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2535MHz_Edge_1RB_Left

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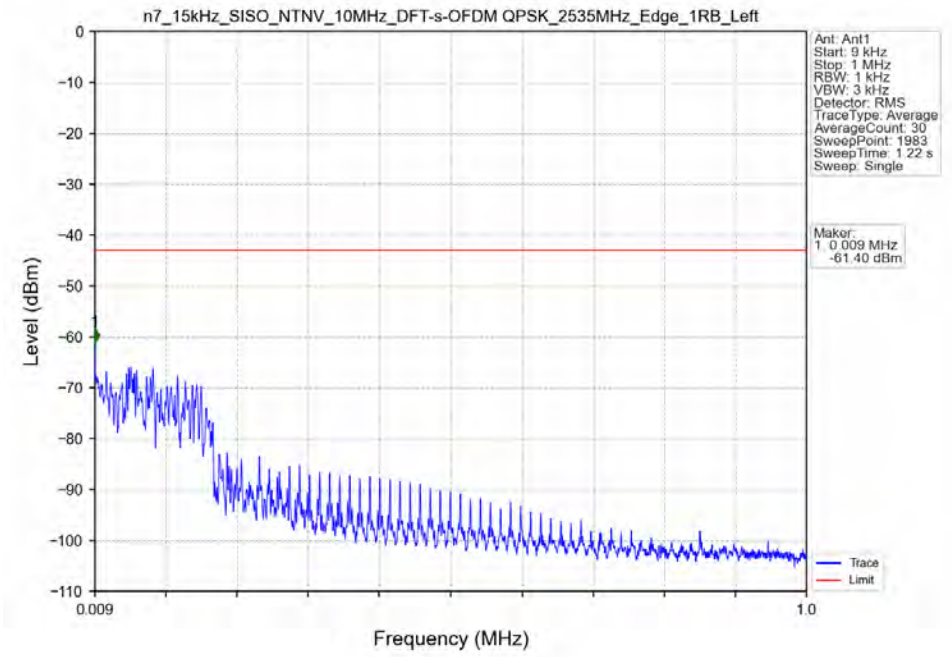

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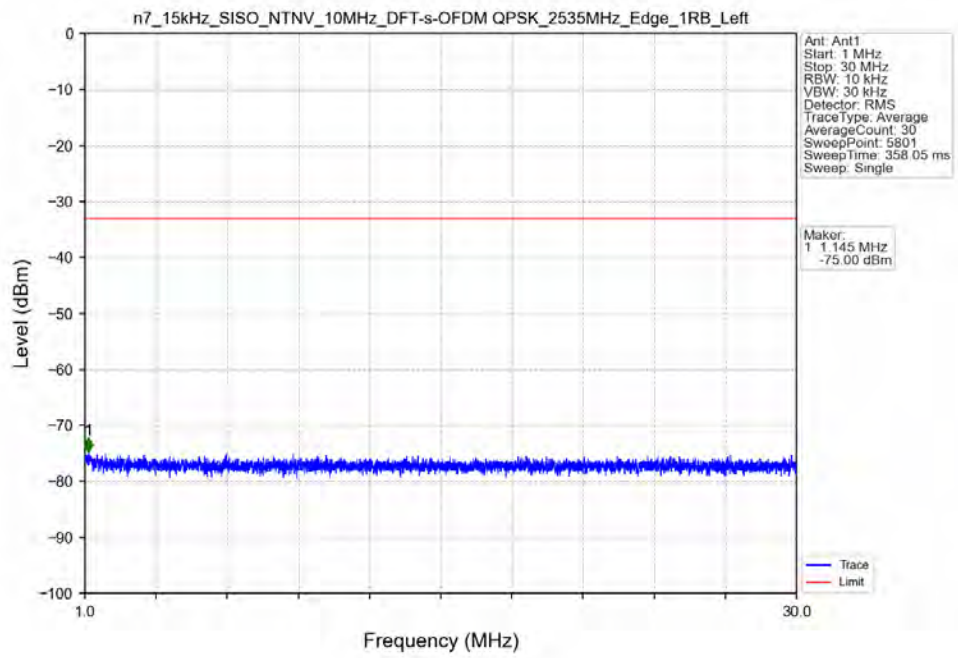
n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2535MHz_Edge_1RB_Left



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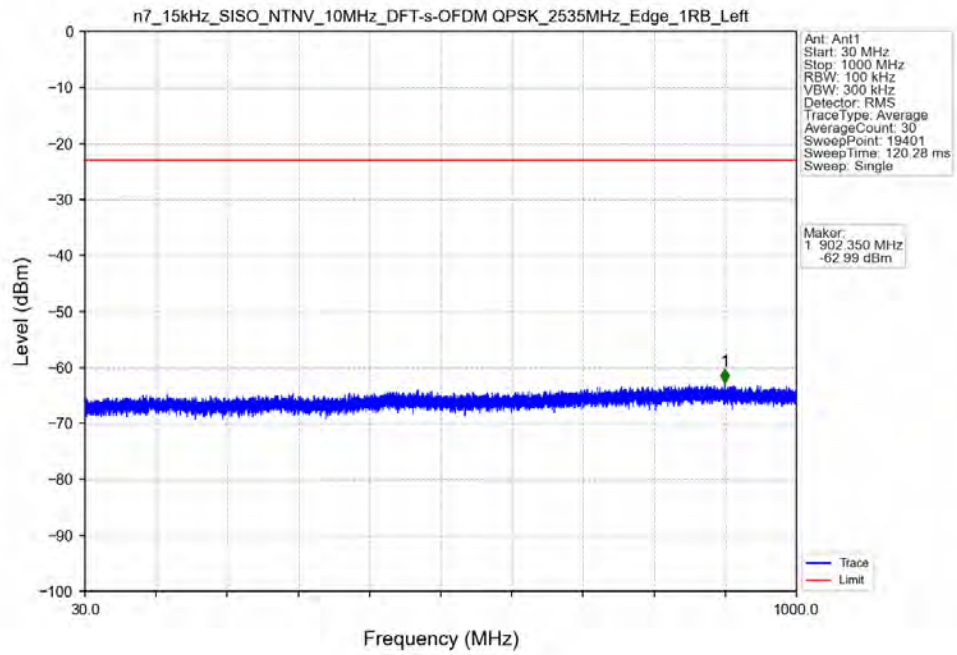

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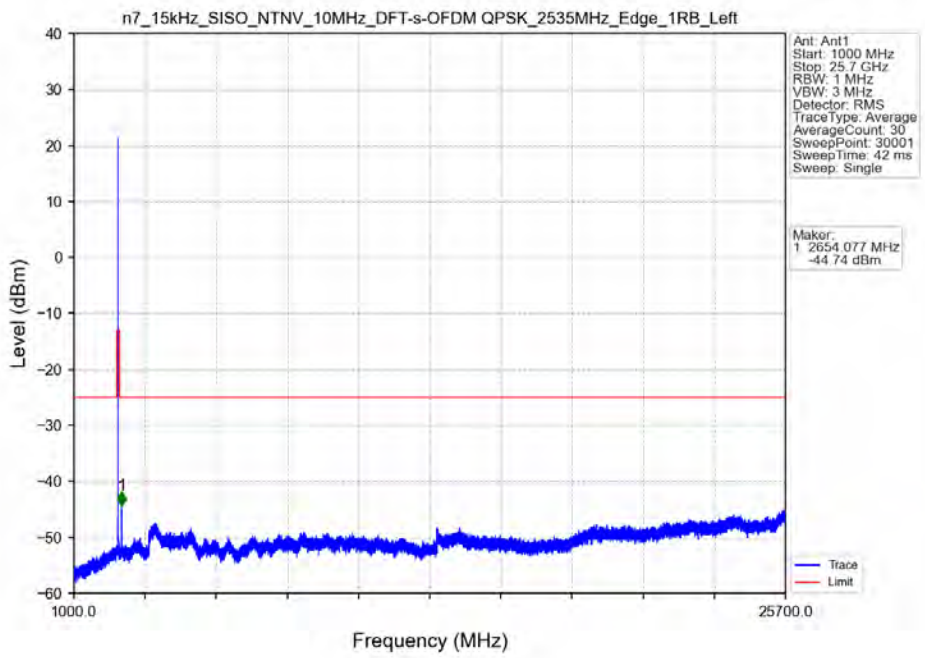

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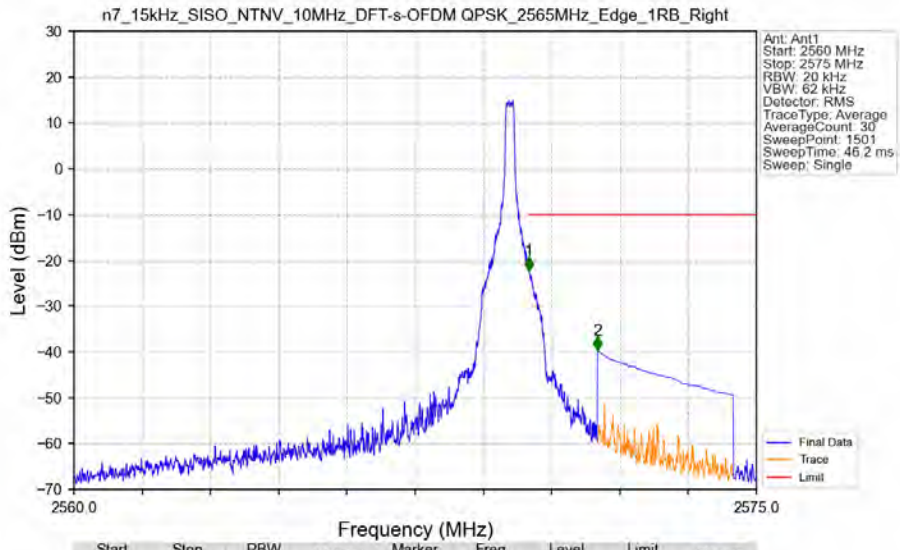

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.000	-22.30	-10	Pass
2571	2575	1	CHP	2	2571.510	-39.66	-10	Pass

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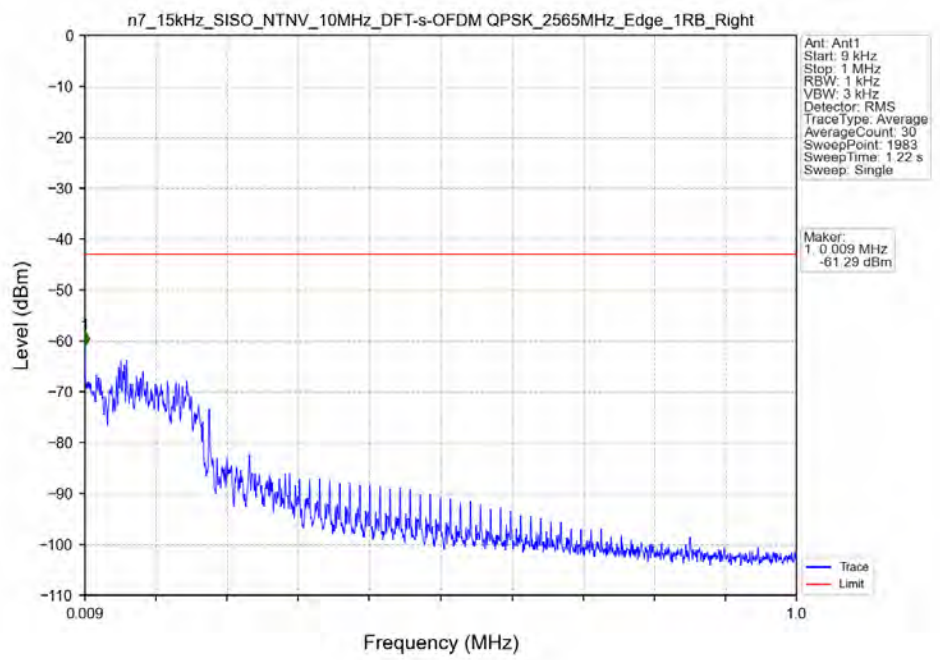

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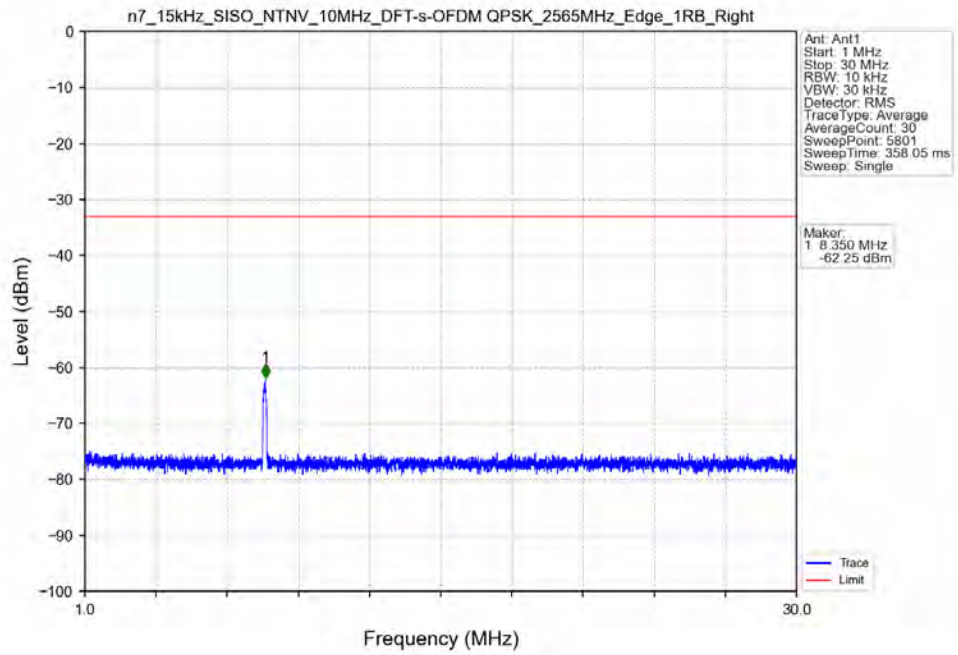

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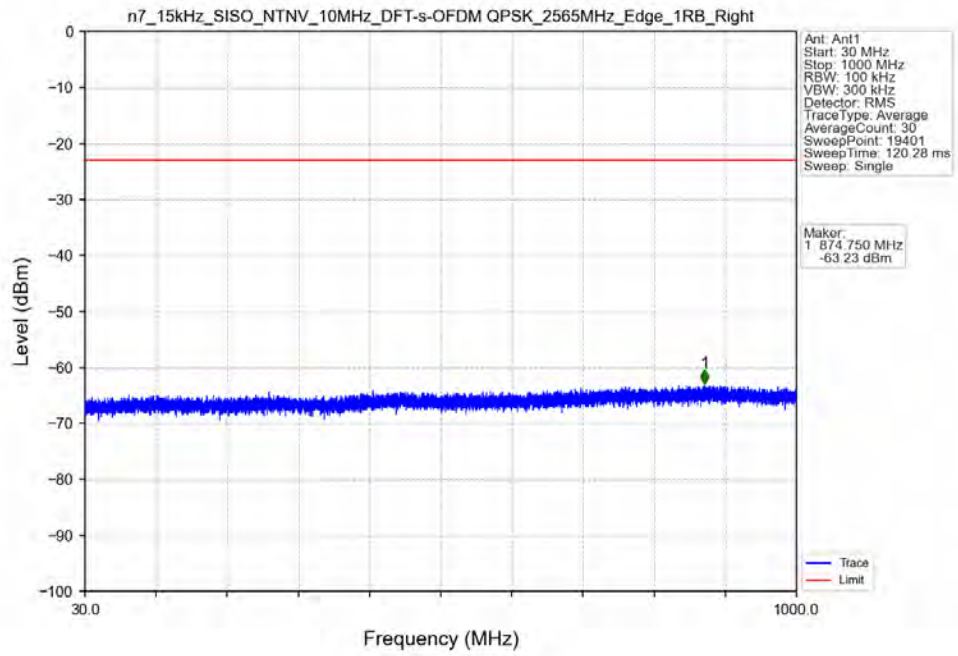
n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2565MHz_Edge_1RB_Right



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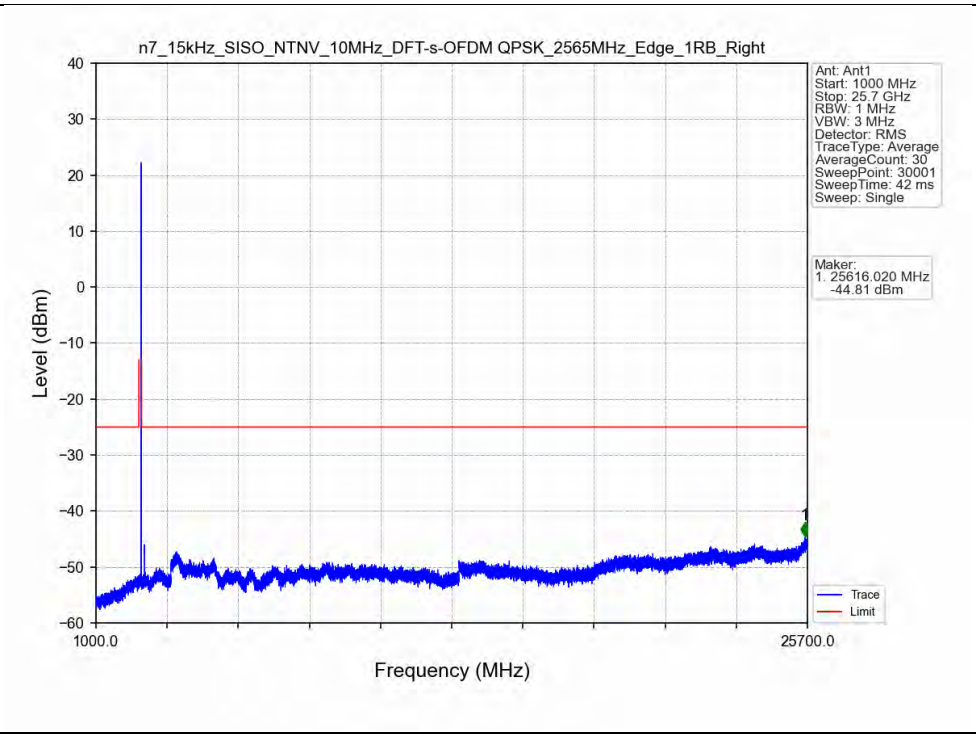

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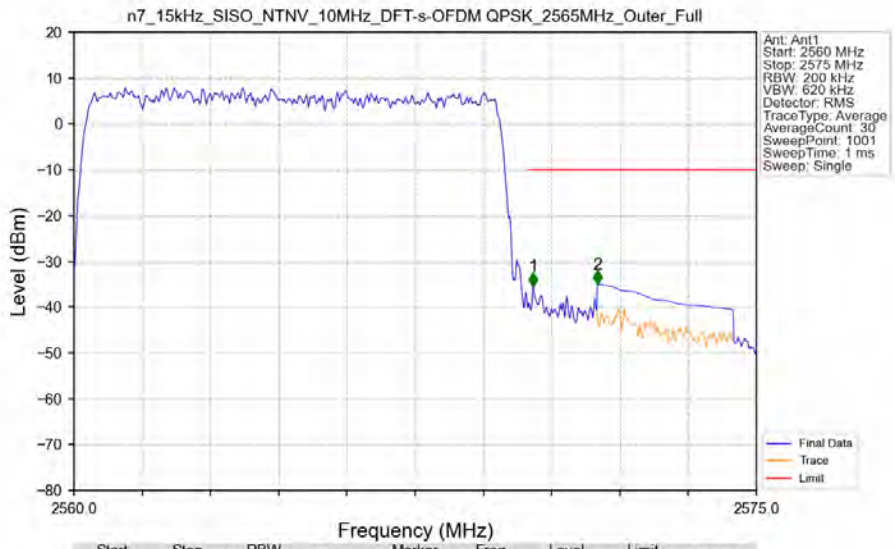
n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2565MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.2	/	/	/	/	/	/
2570	2571	0.2	/	1	2570.095	-35.49	-10	Pass
2571	2575	1	CHP	2	2571.505	-35.06	-10	Pass

n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2565MHz_Inner_1RB_Right

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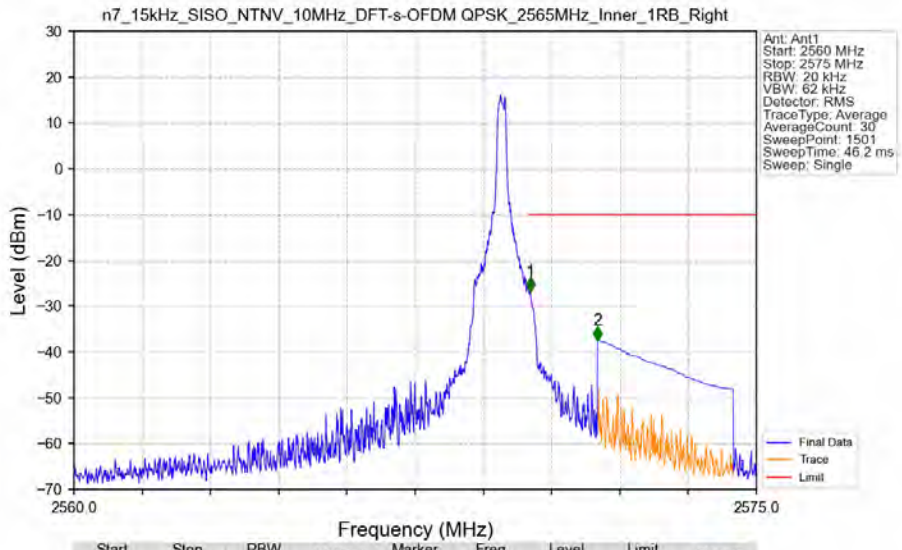

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.030	-26.76	-10	Pass
2571	2575	1	CHP	2	2571.510	-37.48	-10	Pass

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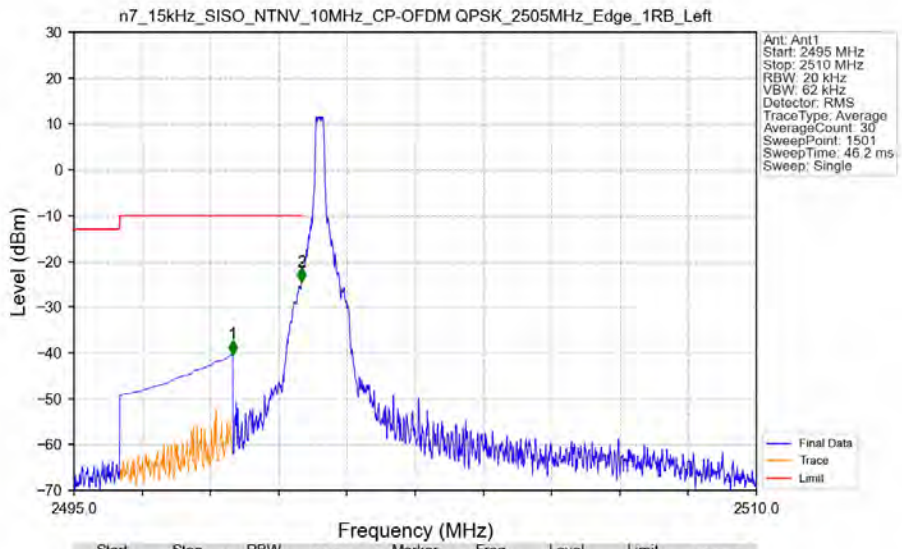

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-40.28	-10	Pass
2499	2500	0.02	/	2	2500.000	-24.56	-10	Pass
2500	2510	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2505MHz_Edge_1RB_Left

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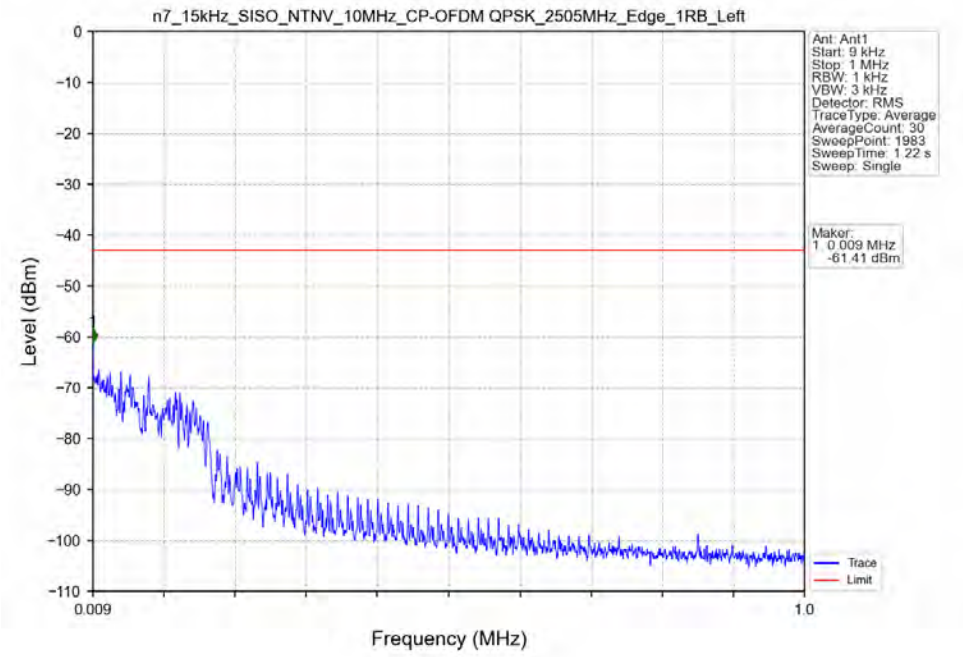

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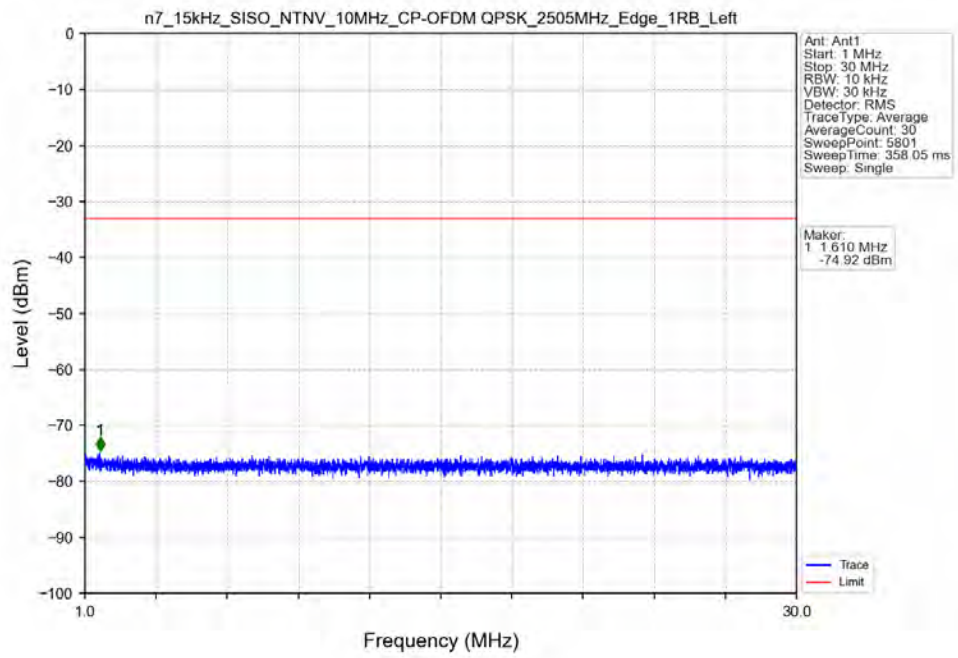

n7_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2505MHz_Edge_1RB_Left

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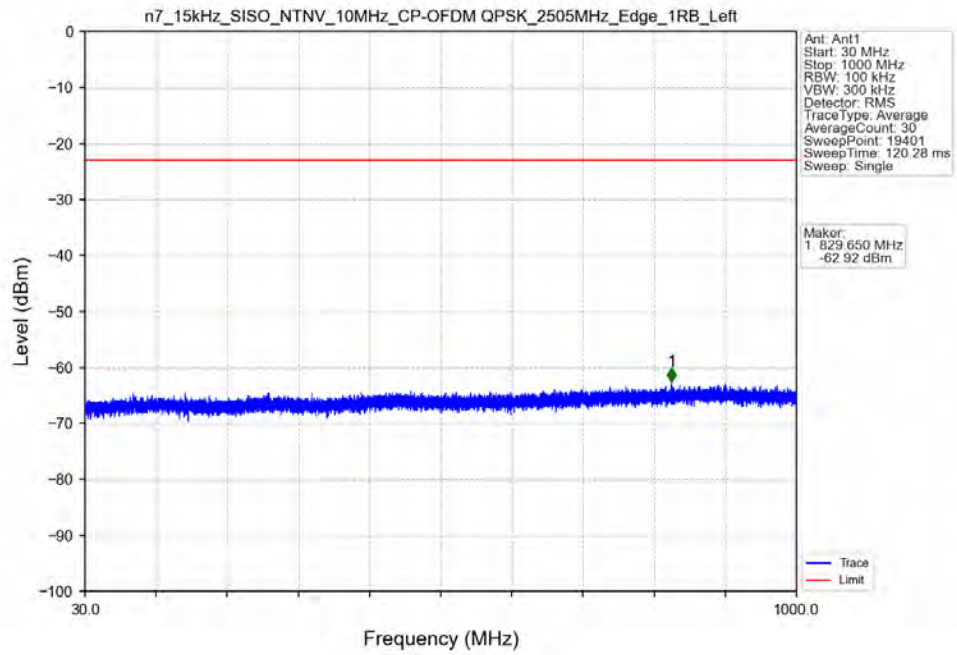

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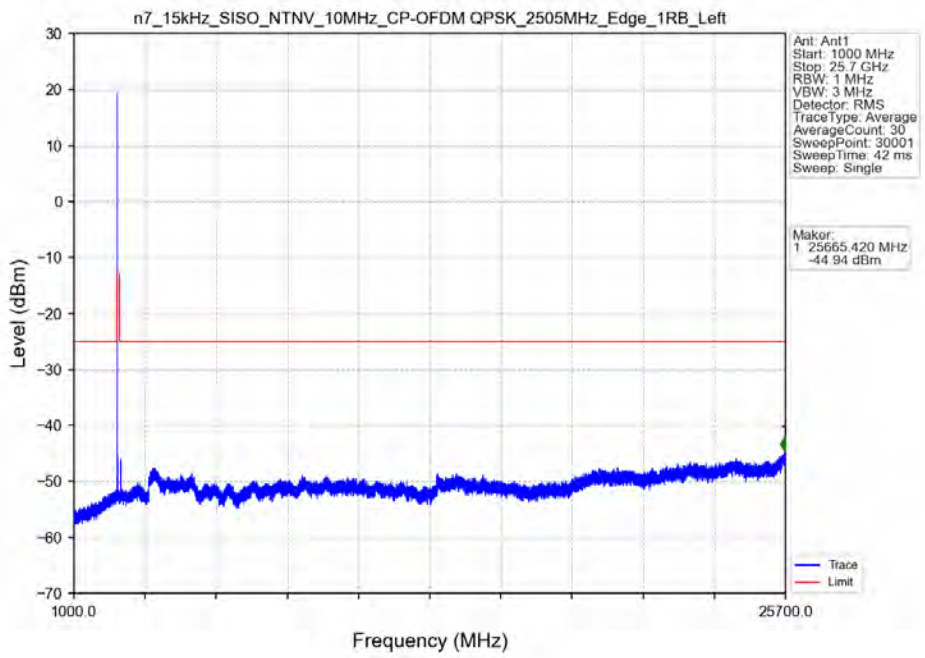

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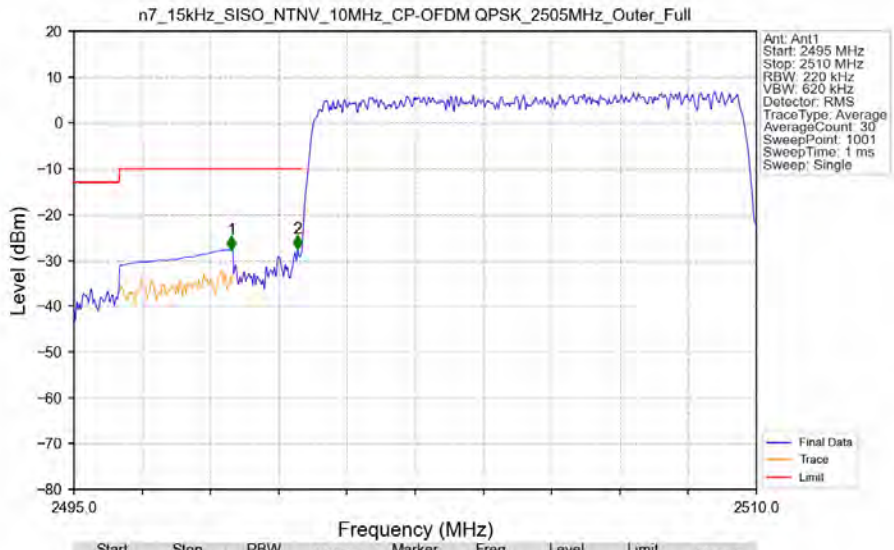

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.465	-27.71	-10	Pass
2499	2500	0.22	/	2	2499.920	-27.55	-10	Pass
2500	2510	0.22	/	/	/	/	/	/

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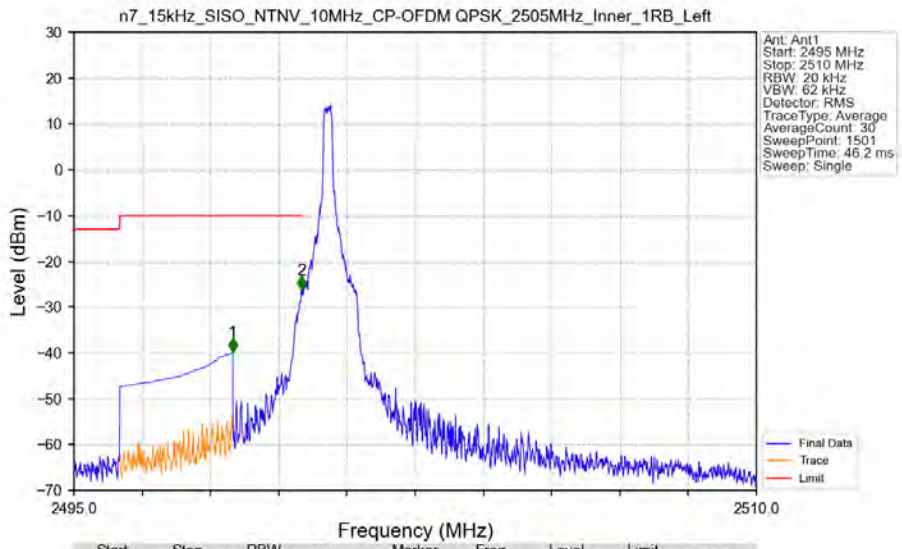

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-39.90	-10	Pass
2499	2500	0.02	/	2	2500.000	-26.22	-10	Pass
2500	2510	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2535MHz_Edge_1RB_Left

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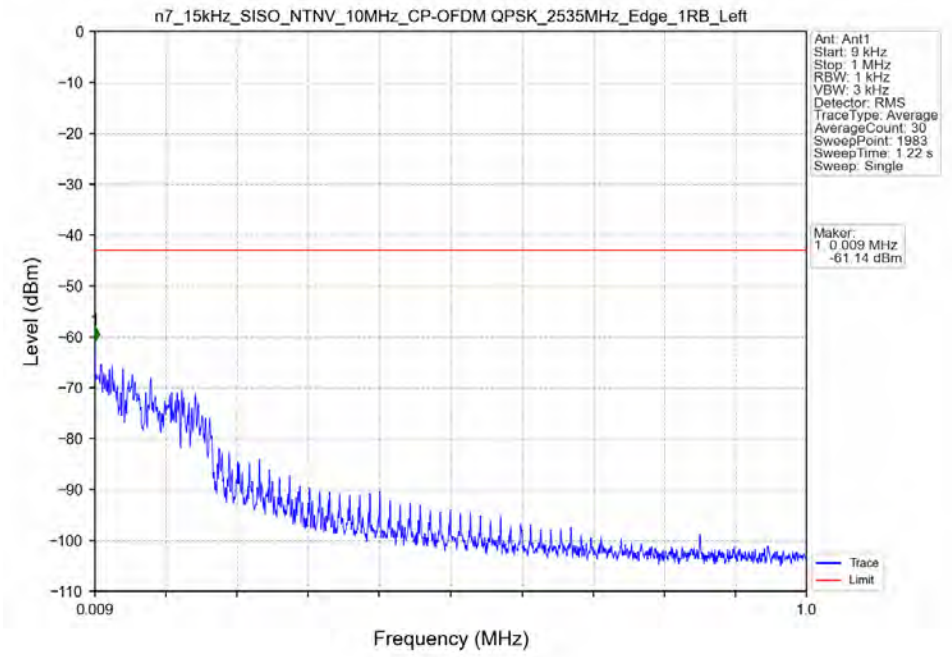

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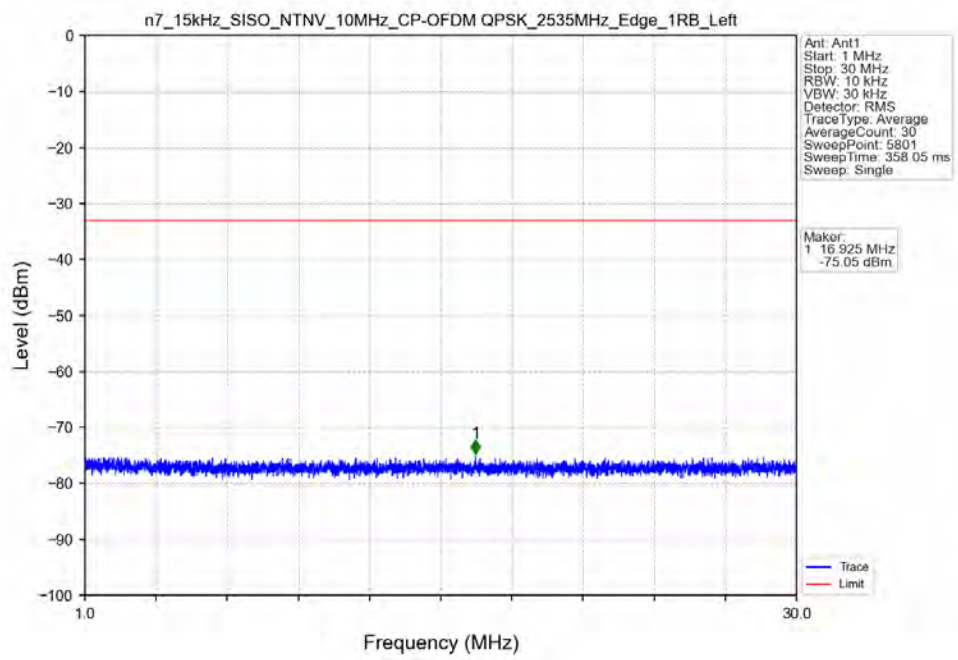

n7_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2535MHz_Edge_1RB_Left

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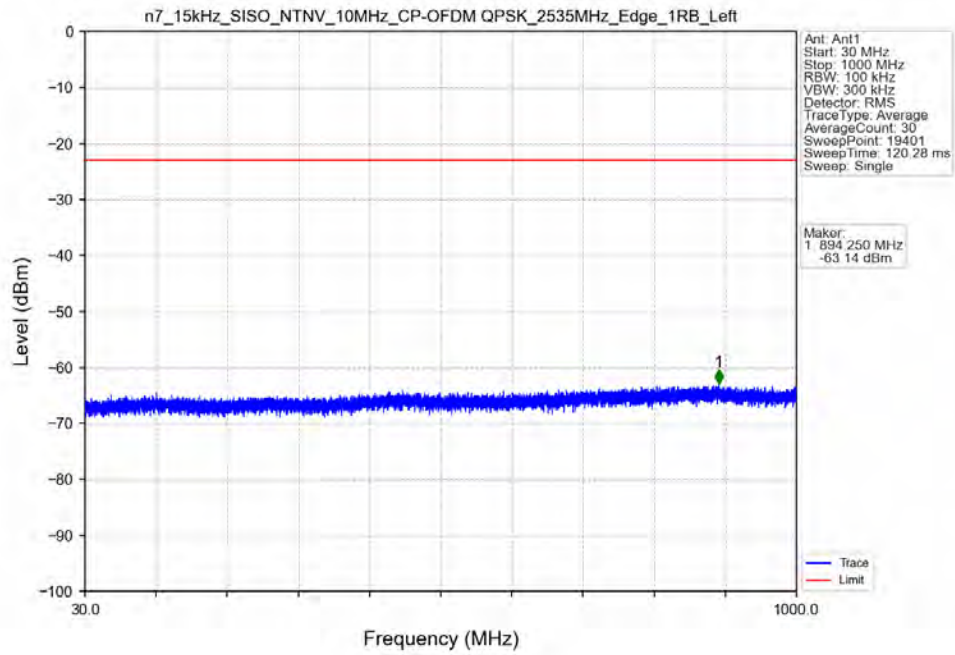

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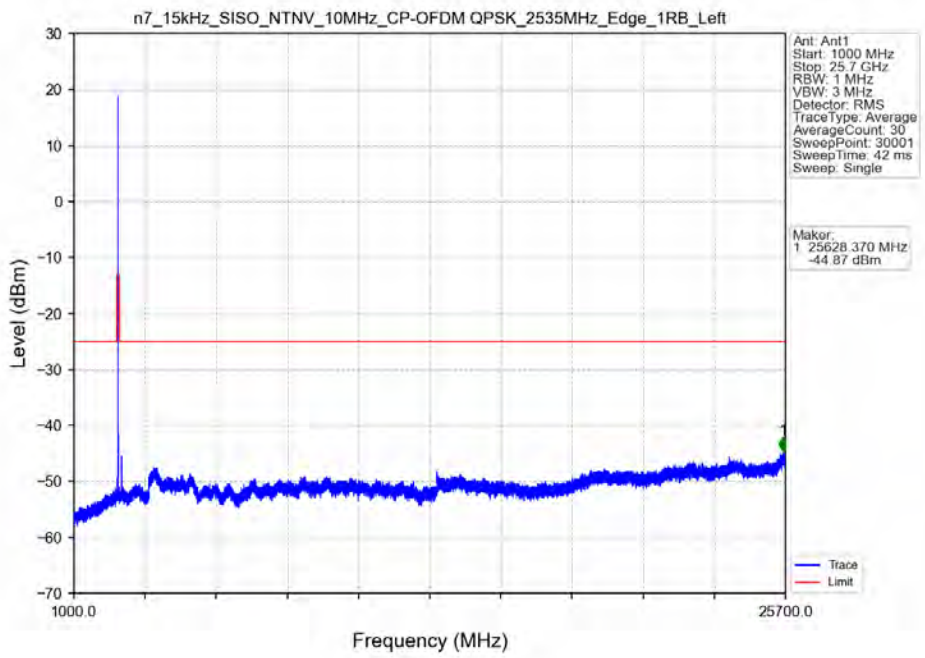
n7_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2535MHz_Edge_1RB_Left



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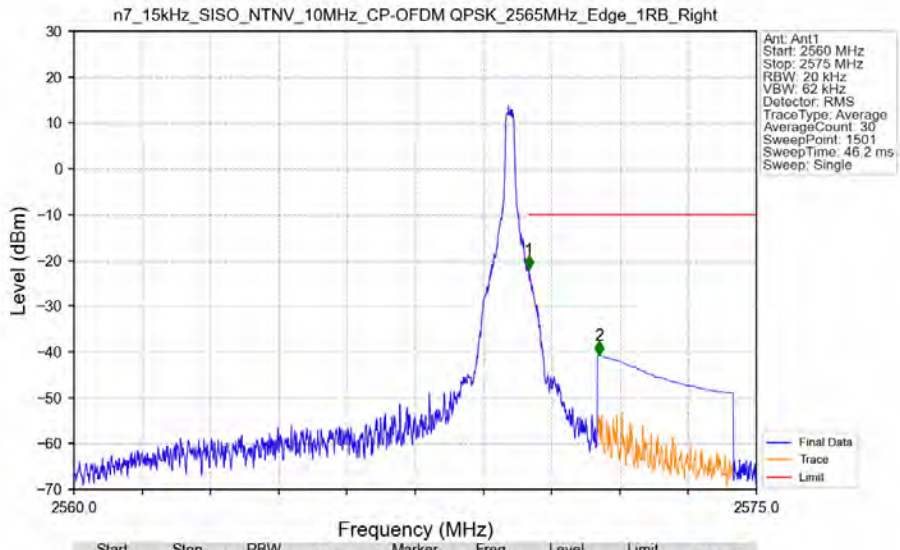

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.000	-22.10	-10	Pass
2571	2575	1	CHP	2	2571.550	-40.70	-10	Pass

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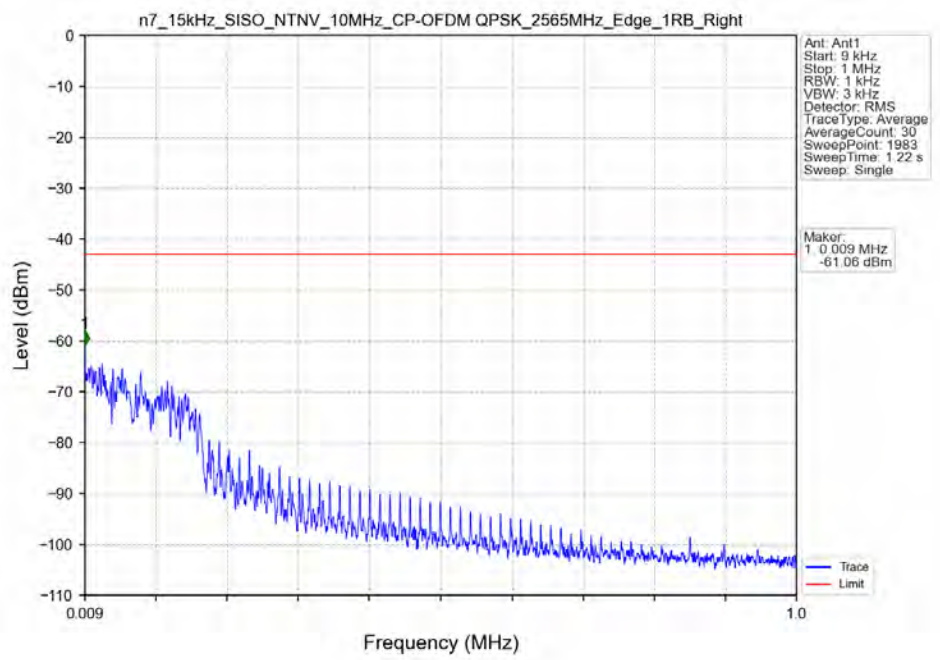

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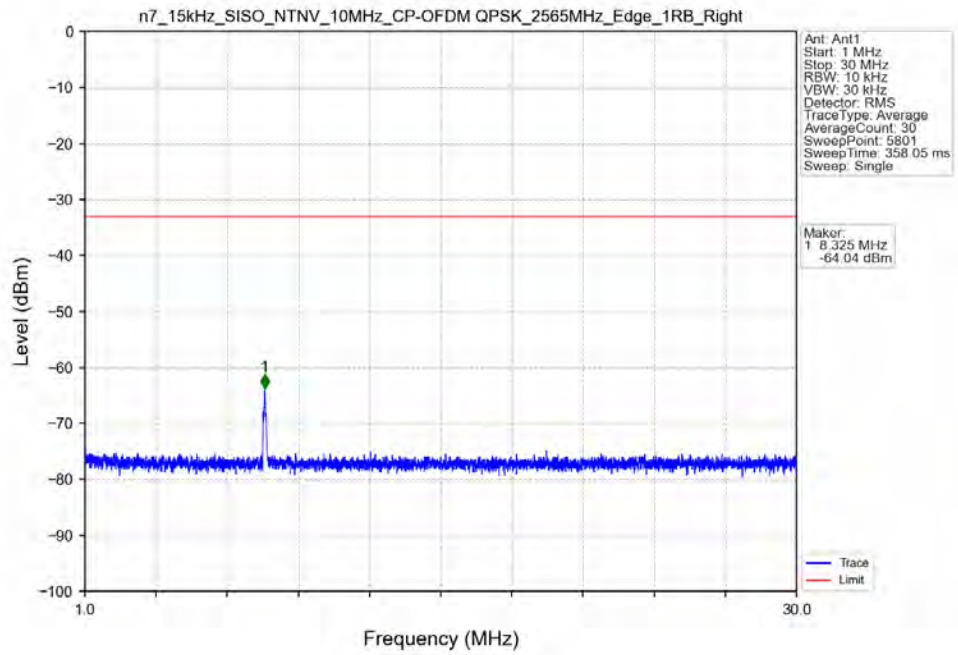

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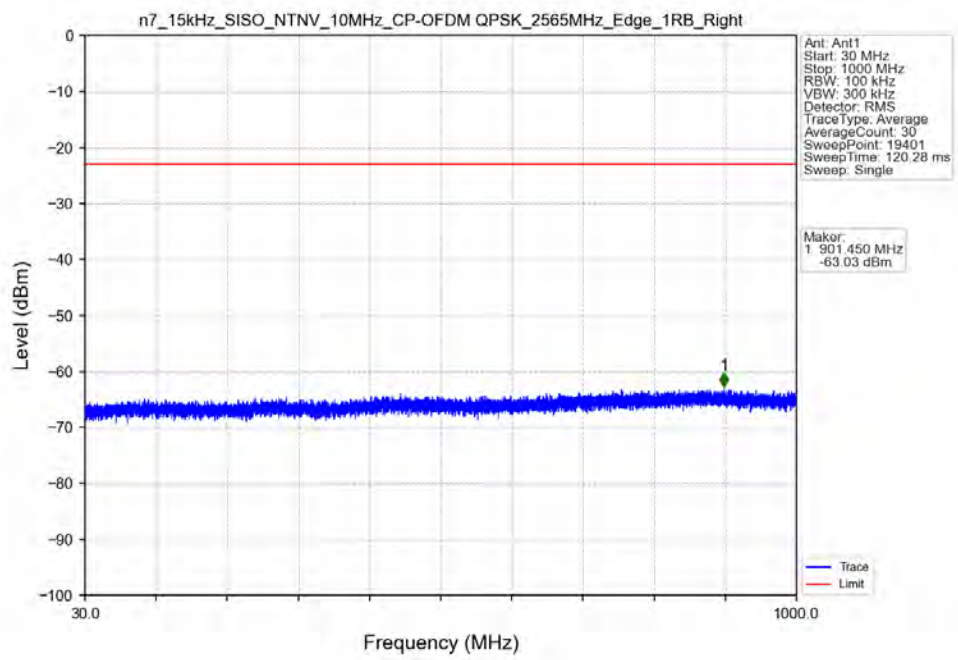
n7_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2565MHz_Edge_1RB_Right



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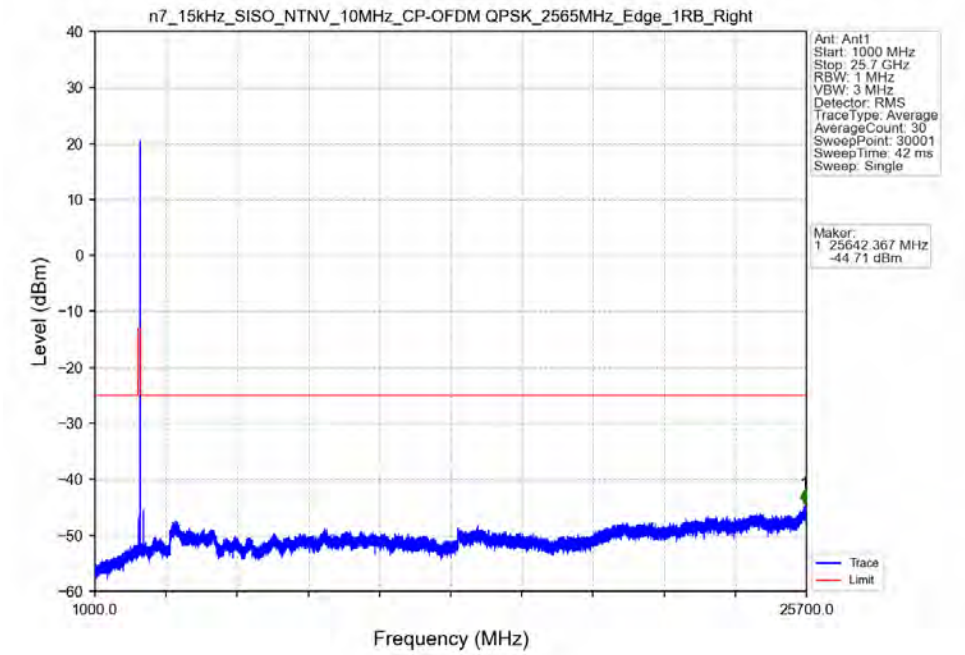

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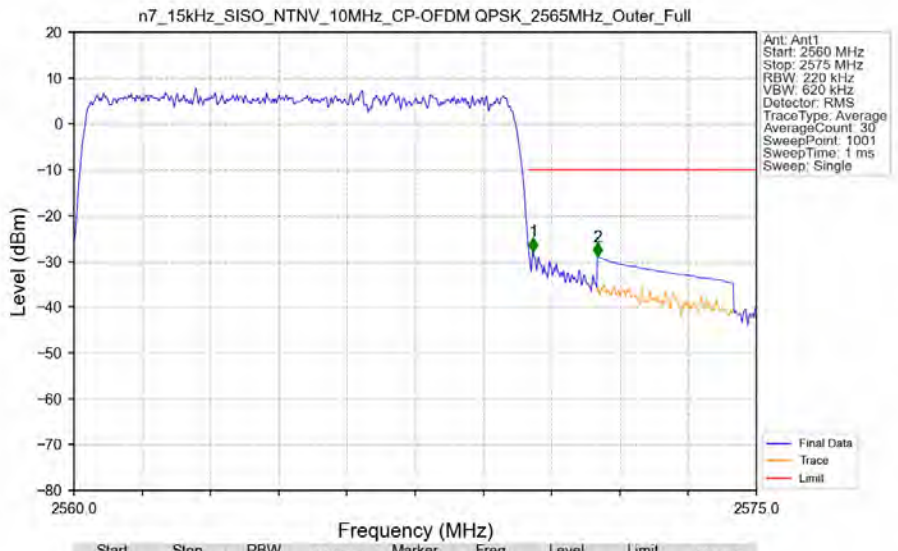

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.22	/	/	/	/	/	/
2570	2571	0.22	/	1	2570.095	-27.90	-10	Pass
2571	2575	1	CHP	2	2571.505	-29.06	-10	Pass

n7_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_2565MHz_Inner_1RB_Right

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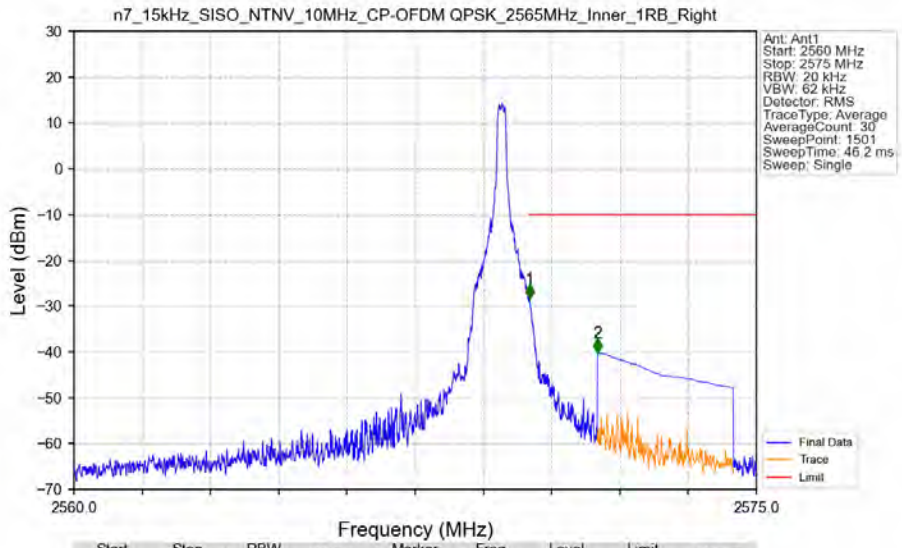

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2560	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.010	-28.42	-10	Pass
2571	2575	1	CHP	2	2571.510	-40.15	-10	Pass

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5.3 15k_SISO_15MHz_NTNV

5.3.1 Test Result

5G NR n7 SCS=15kHz SISO 15MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2507.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
	2562.5	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	2507.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
	2562.5	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	2507.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	2535	Edge_1RB_Left	Refer To Test Graph				Pass
	2562.5	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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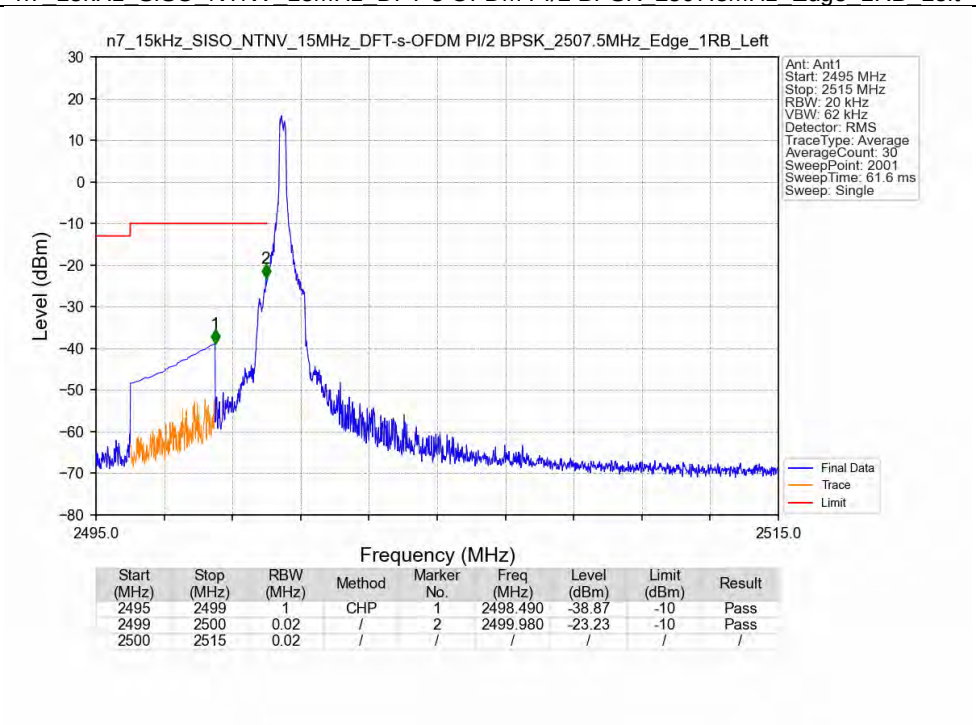

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-38.87	-10	Pass
2499	2500	0.02	/	2	2499.980	-23.23	-10	Pass
2500	2515	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_2507.5MHz_Edge_1RB_Left

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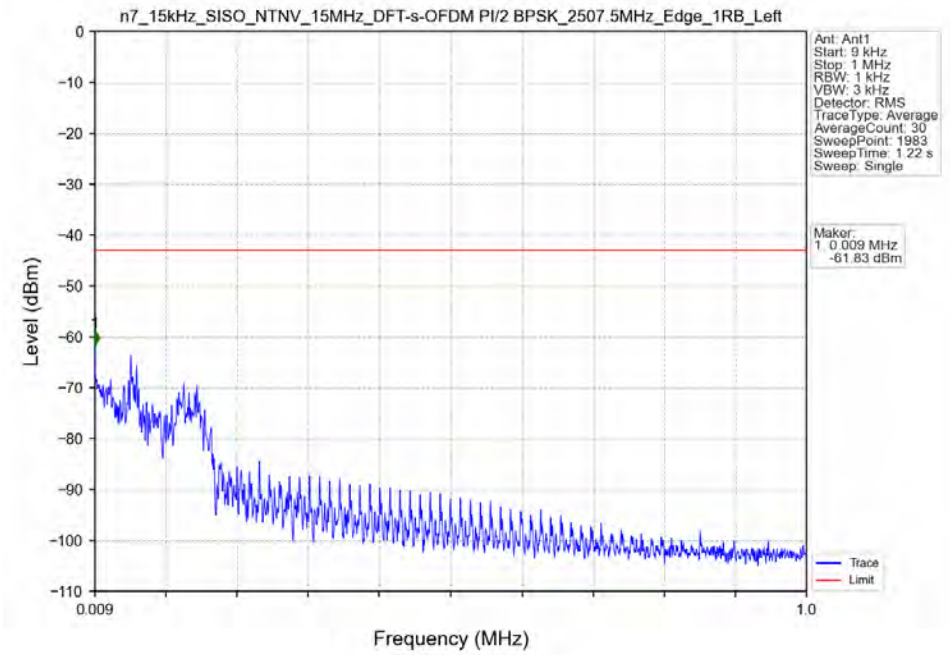

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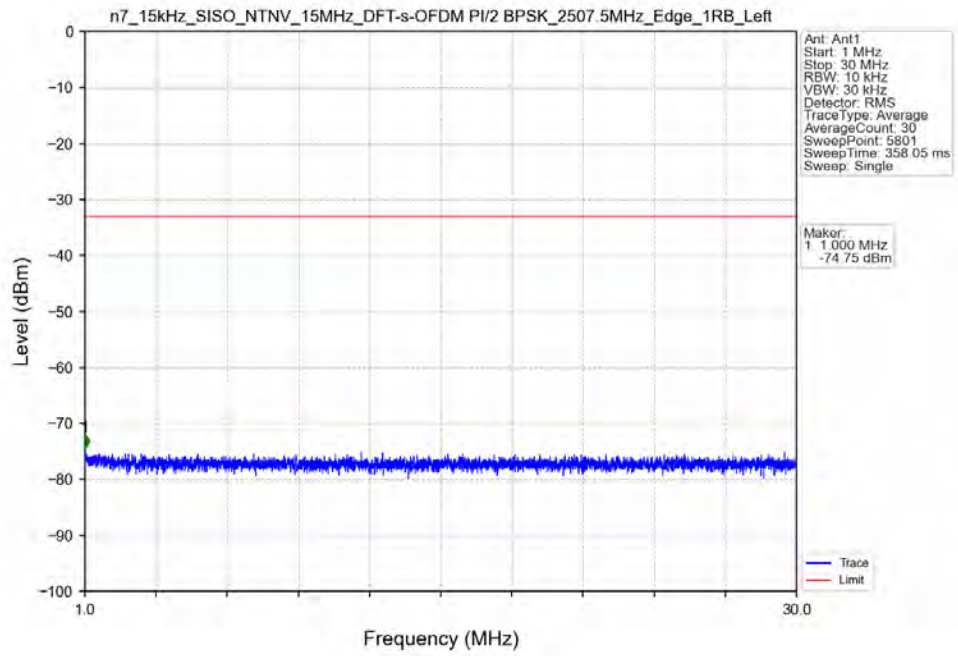
n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_2507.5MHz_Edge_1RB_Left



n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_2507.5MHz_Edge_1RB_Left

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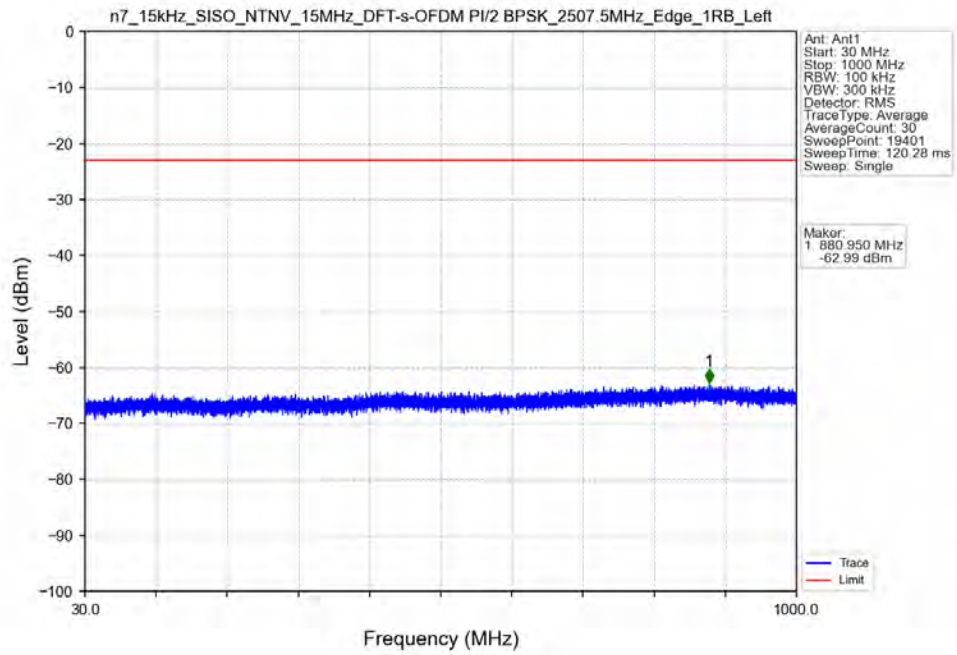

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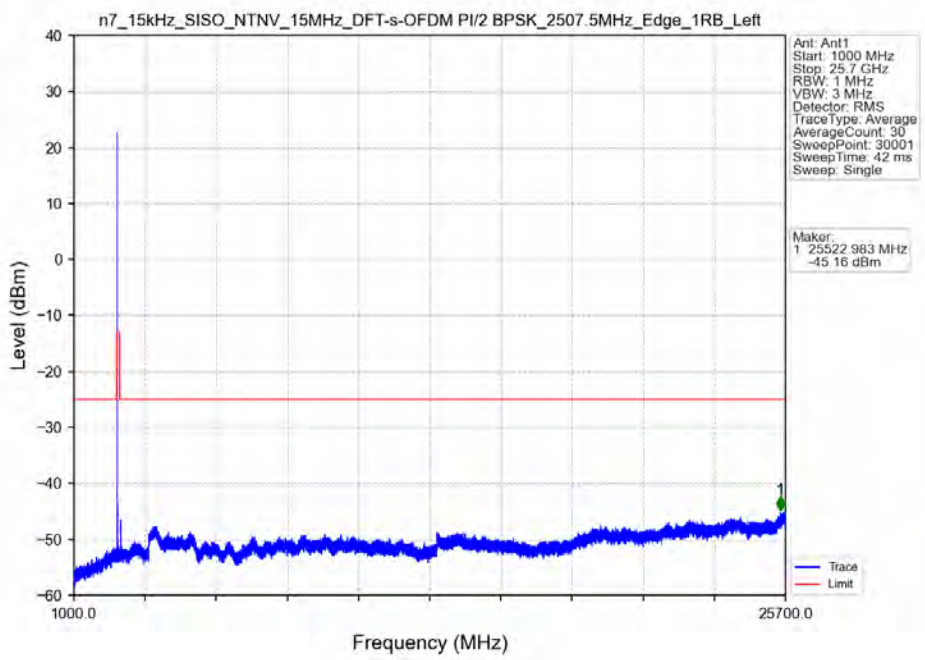

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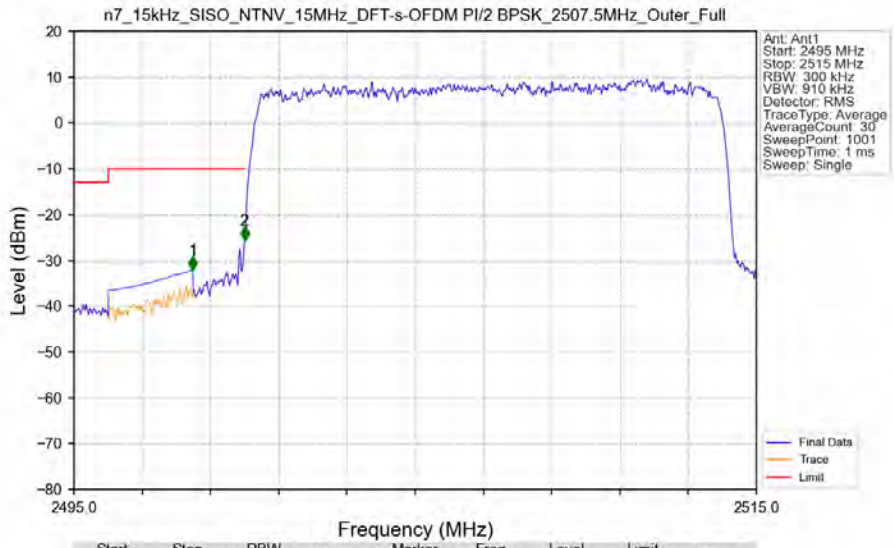

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.480	-32.16	-10	Pass
2499	2500	0.3	/	2	2500.000	-25.68	-10	Pass
2500	2515	0.3	/	/	/	/	/	/

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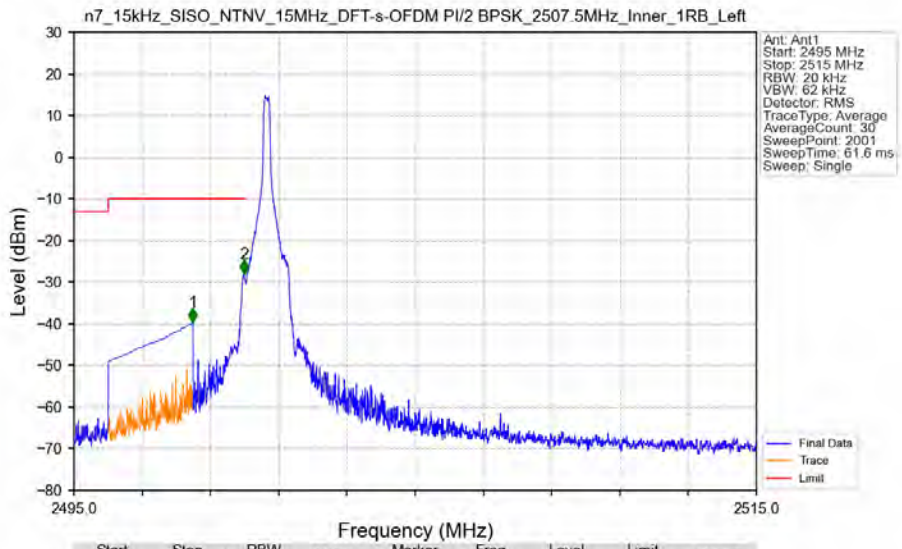

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.480	-39.67	-10	Pass
2499	2500	0.02	/	2	2499.990	-27.97	-10	Pass
2500	2515	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Edge_1RB_Left

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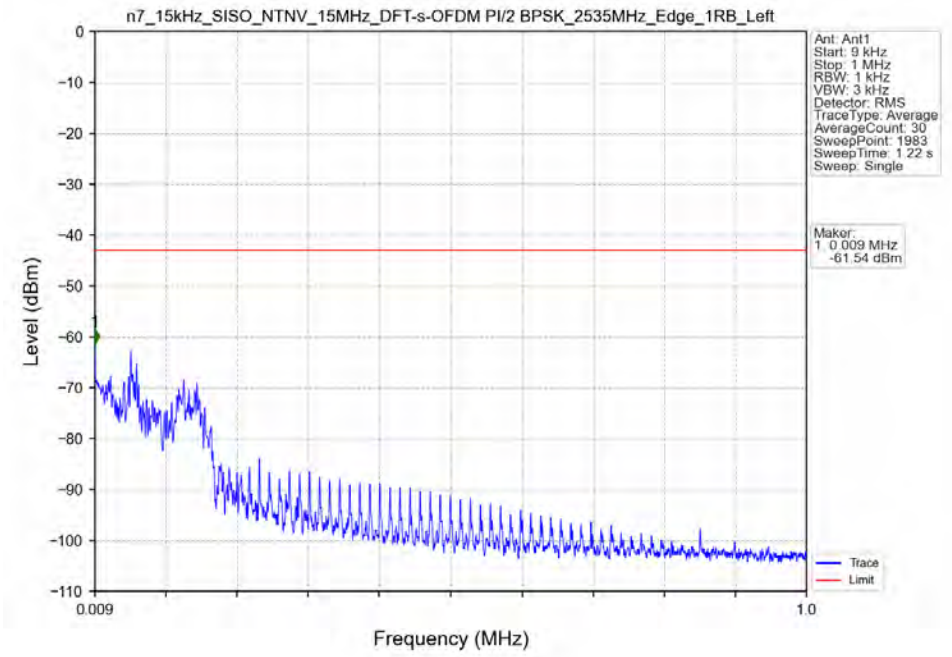

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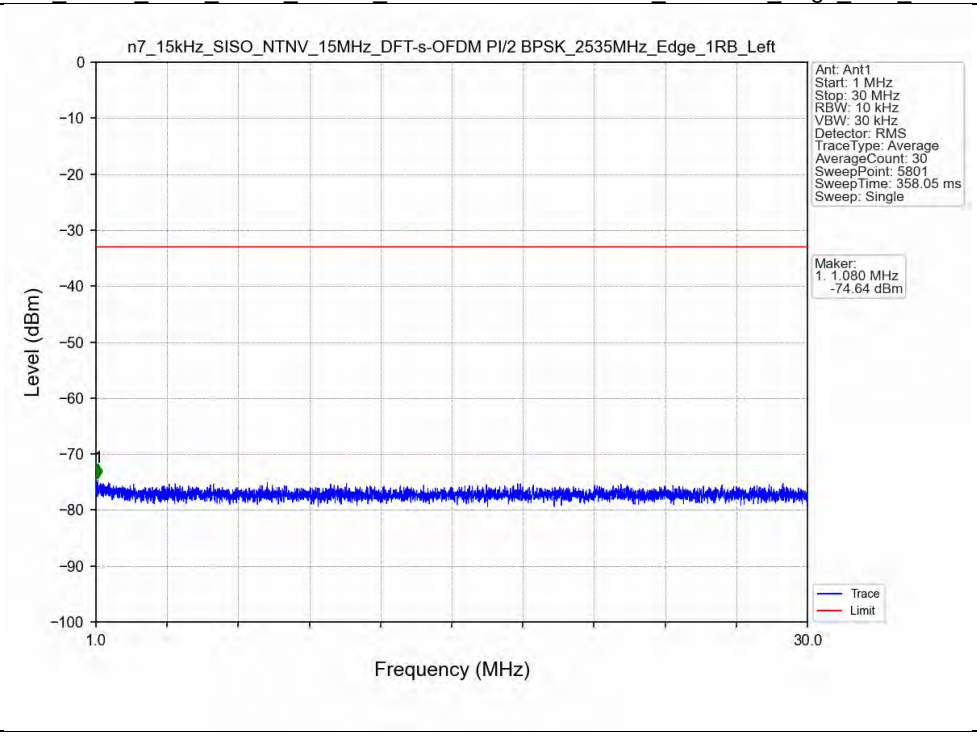

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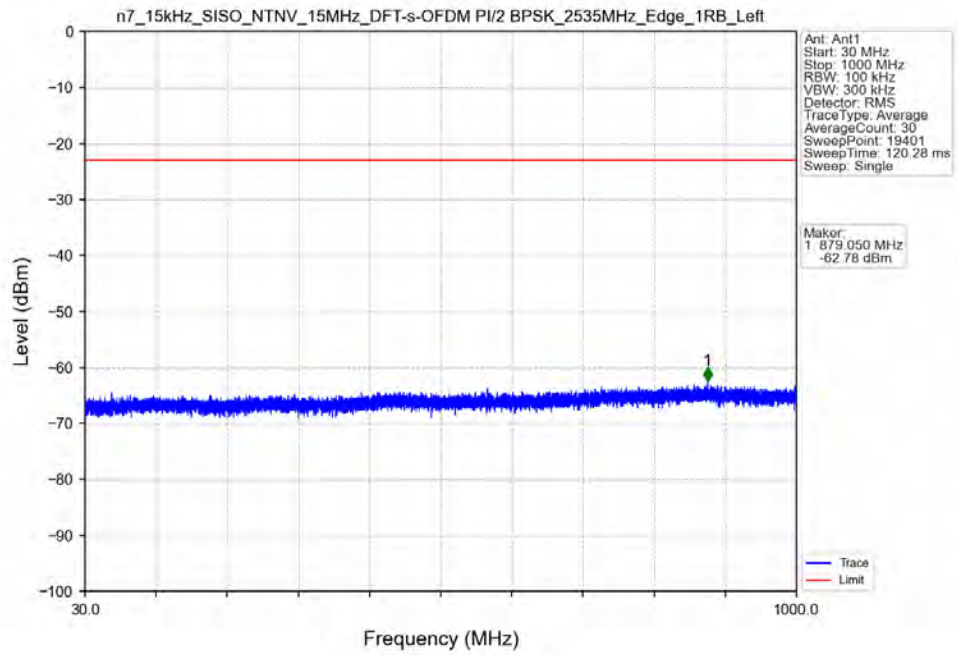

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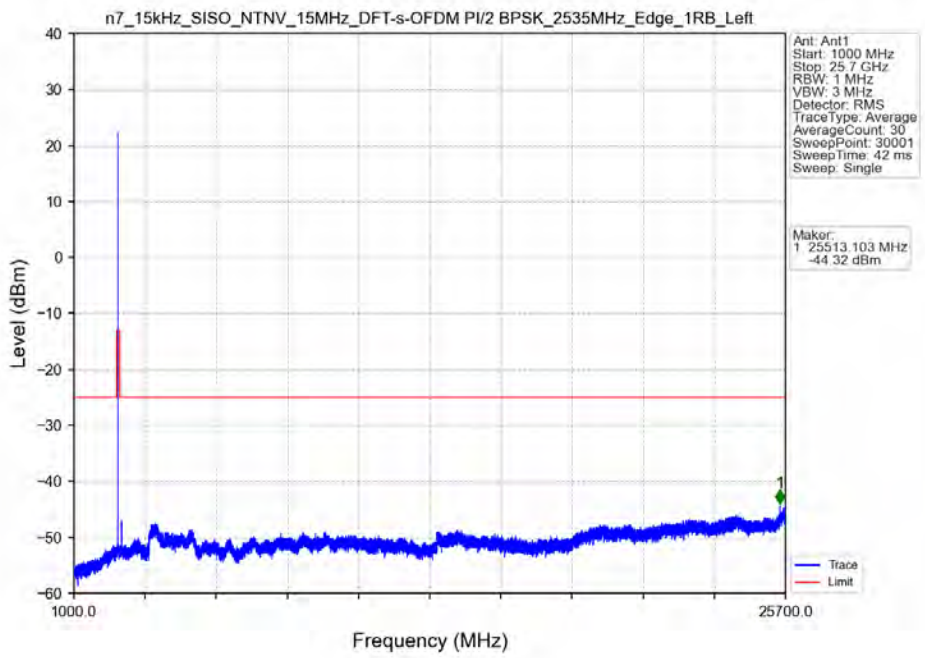

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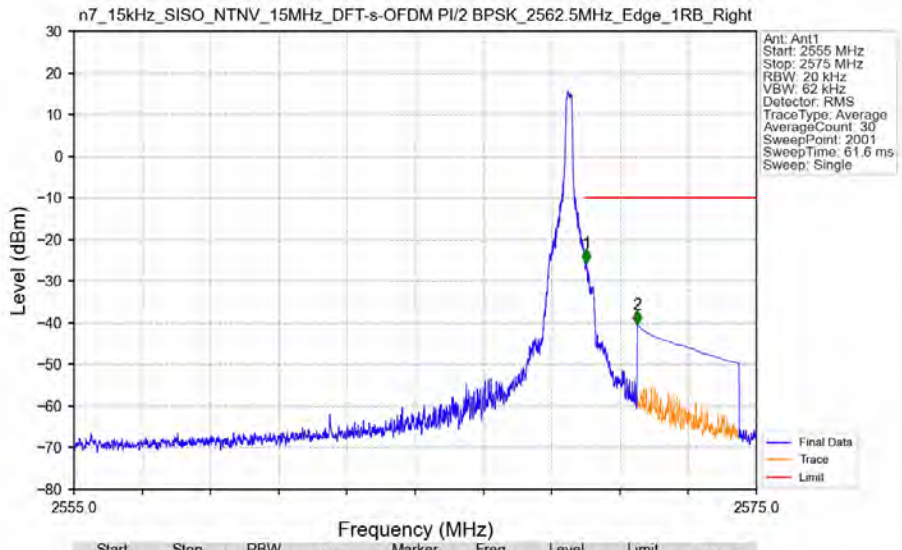

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.020	-25.76	-10	Pass
2571	2575	1	CHP	2	2571.510	-40.49	-10	Pass

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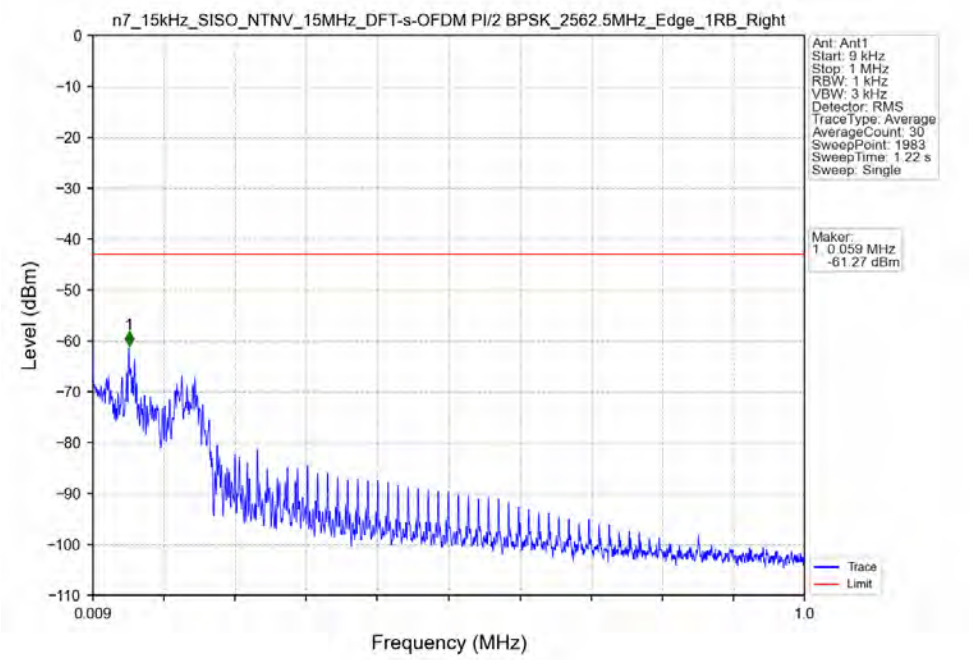

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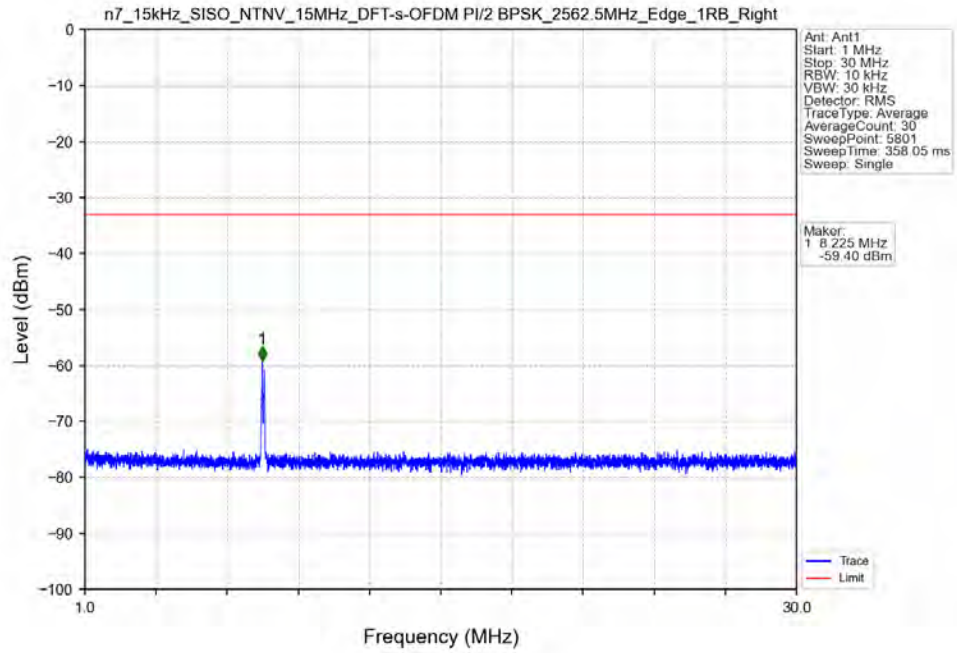

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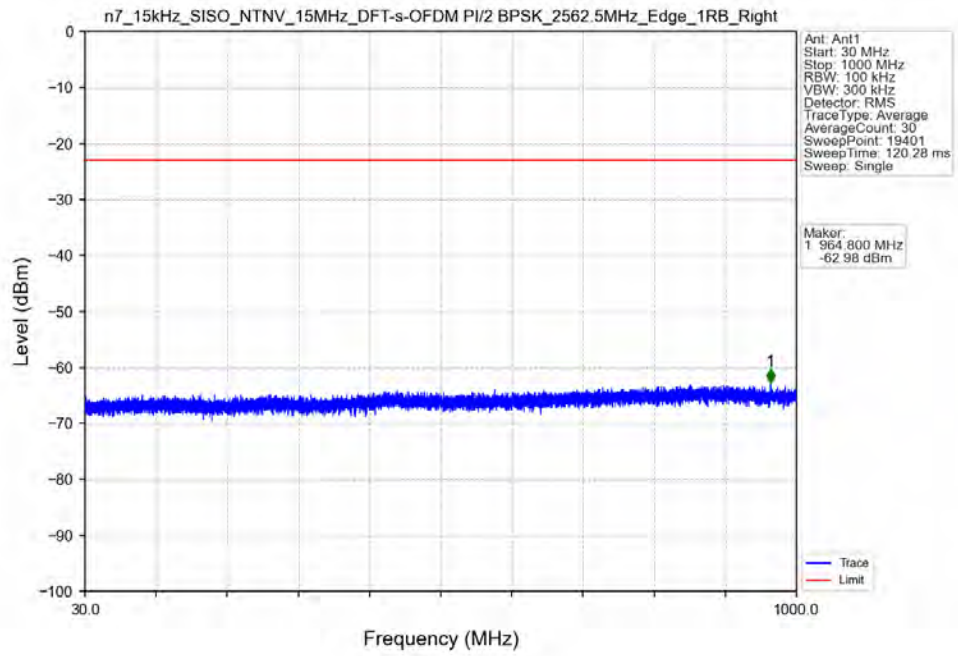

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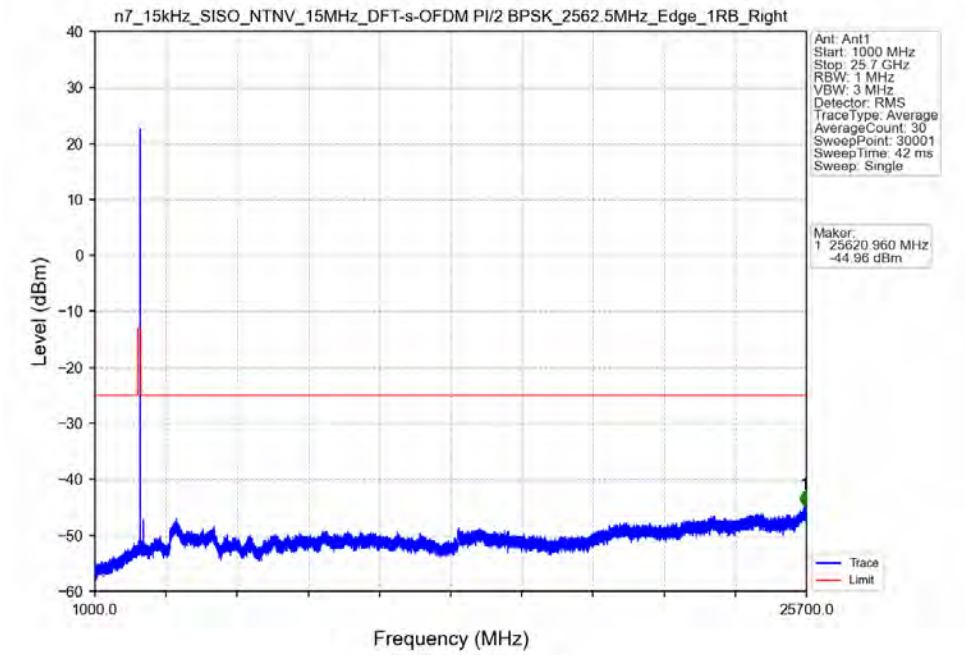

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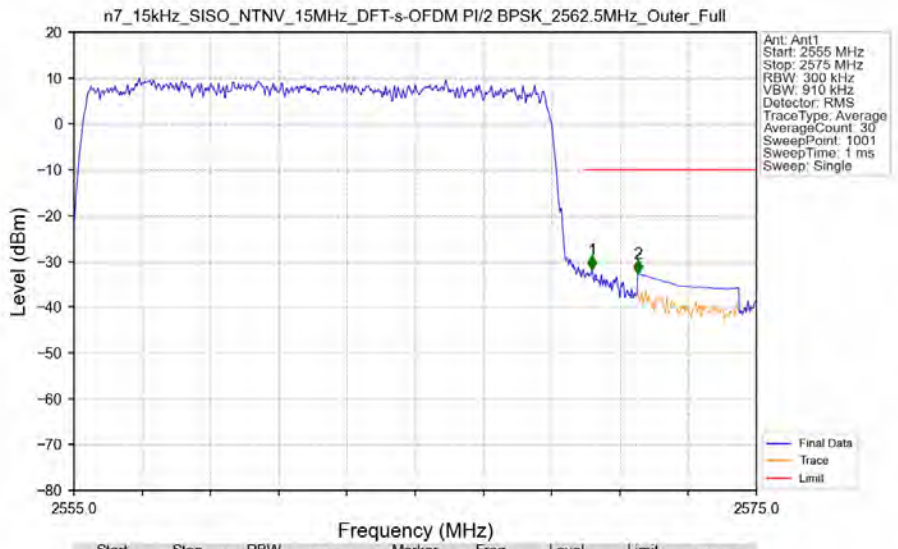
n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_2562.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.3	/	/	/	/	/	/
2570	2571	0.3	/	1	2570.180	-31.85	-10	Pass
2571	2575	1	CHP	2	2571.520	-32.68	-10	Pass

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_2562.5MHz_Inner_1RB_Right

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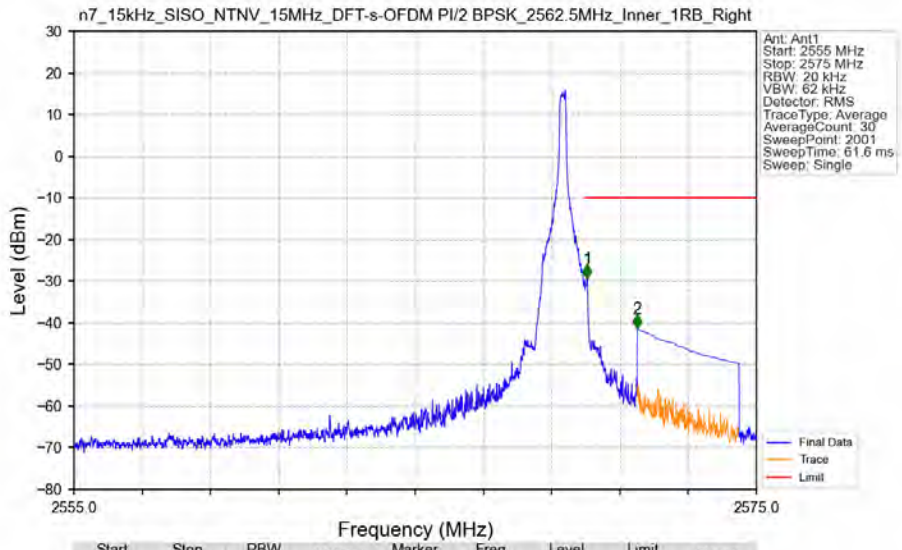

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.040	-29.45	-10	Pass
2571	2575	1	CHP	2	2571.510	-41.43	-10	Pass

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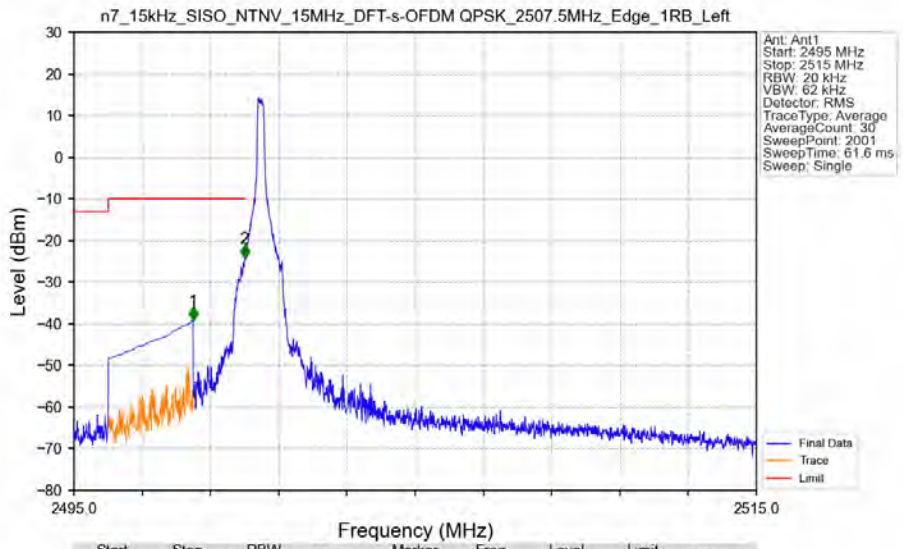

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-39.23	-10	Pass
2499	2500	0.02	/	2	2500.000	-24.32	-10	Pass
2500	2515	0.02	/	/	/	/	/	/

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_2507.5MHz_Edge_1RB_Left

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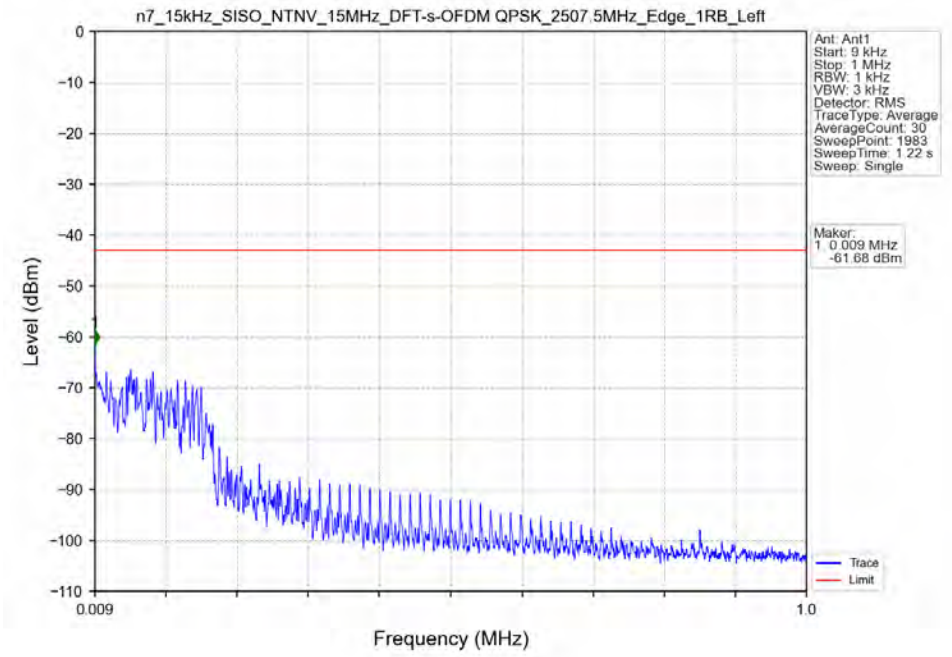

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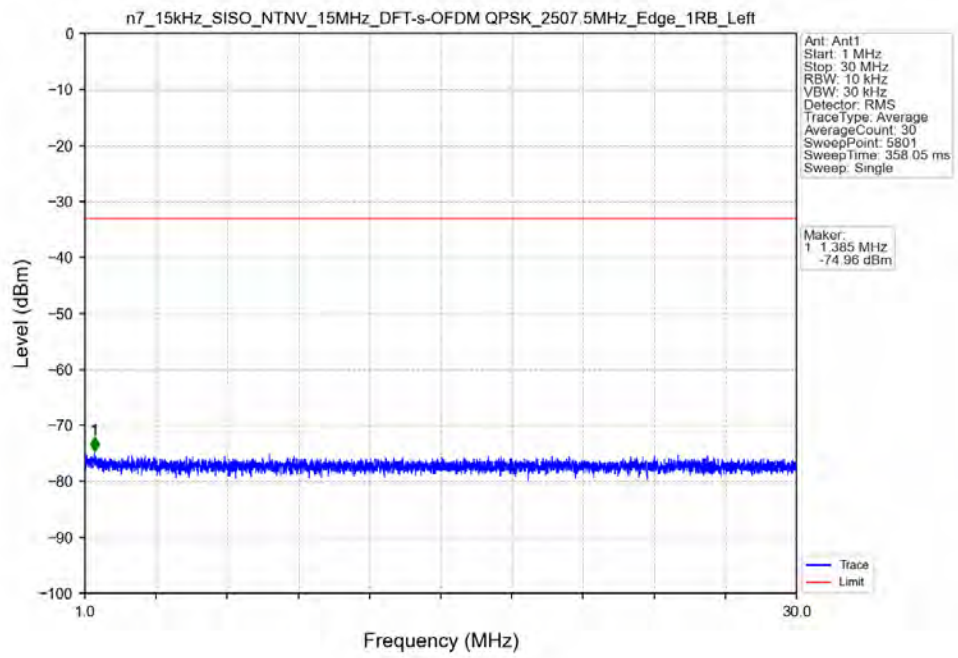

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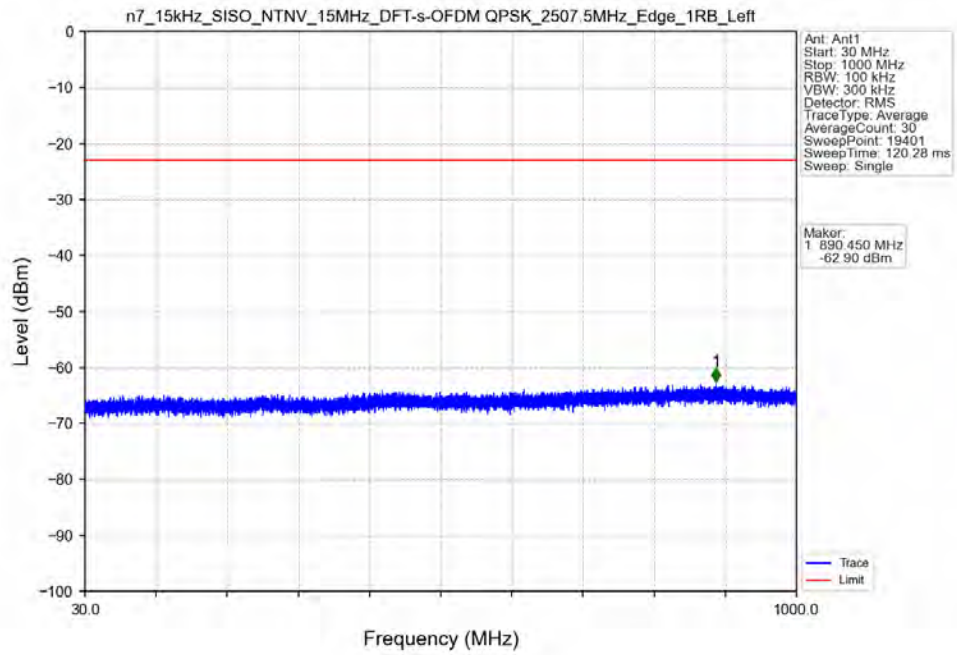

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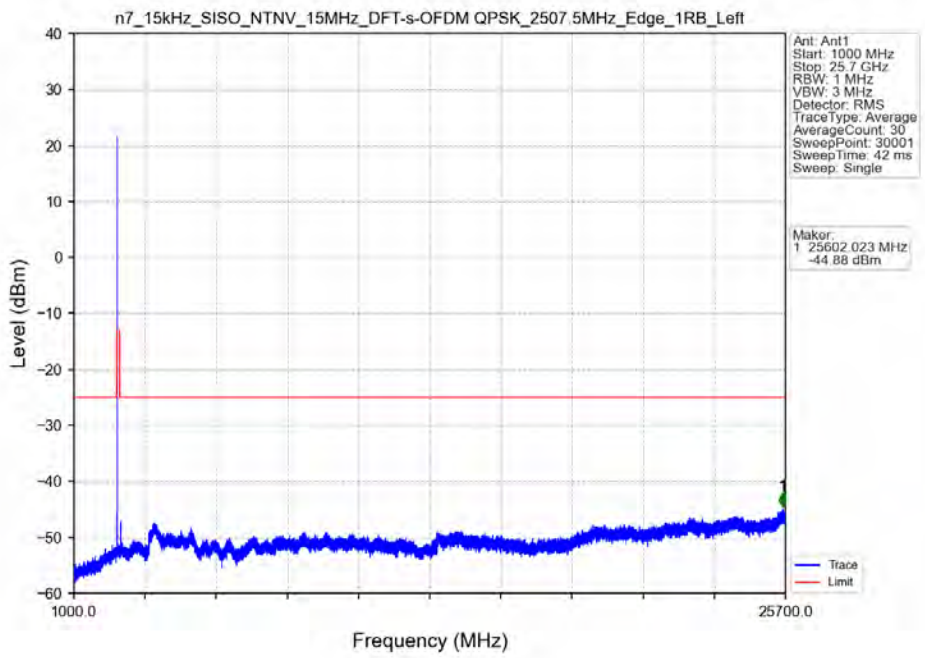

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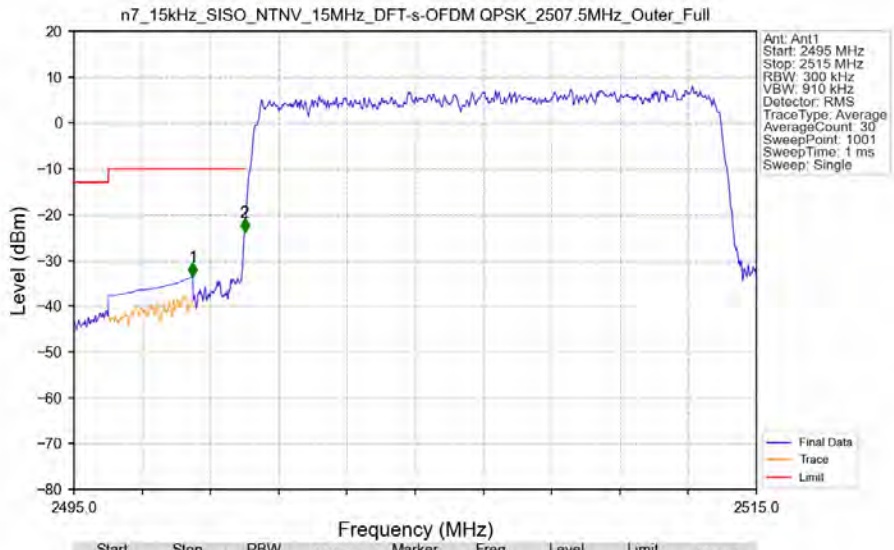

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.480	-33.67	-10	Pass
2499	2500	0.3	/	2	2500.000	-23.93	-10	Pass
2500	2515	0.3	/	/	/	/	/	/

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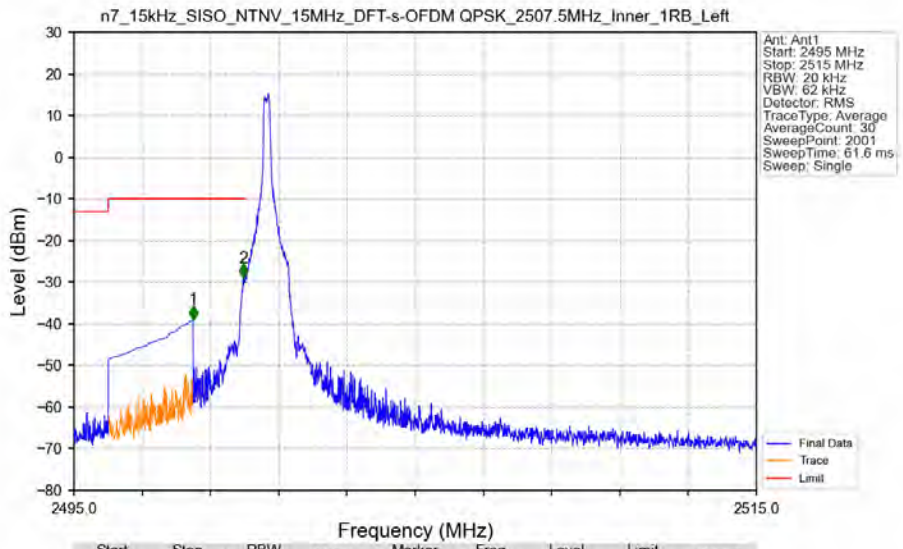

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.490	-39.00	-10	Pass
2499	2500	0.02	/	2	2499.960	-28.99	-10	Pass
2500	2515	0.02	/	/	/	/	/	/

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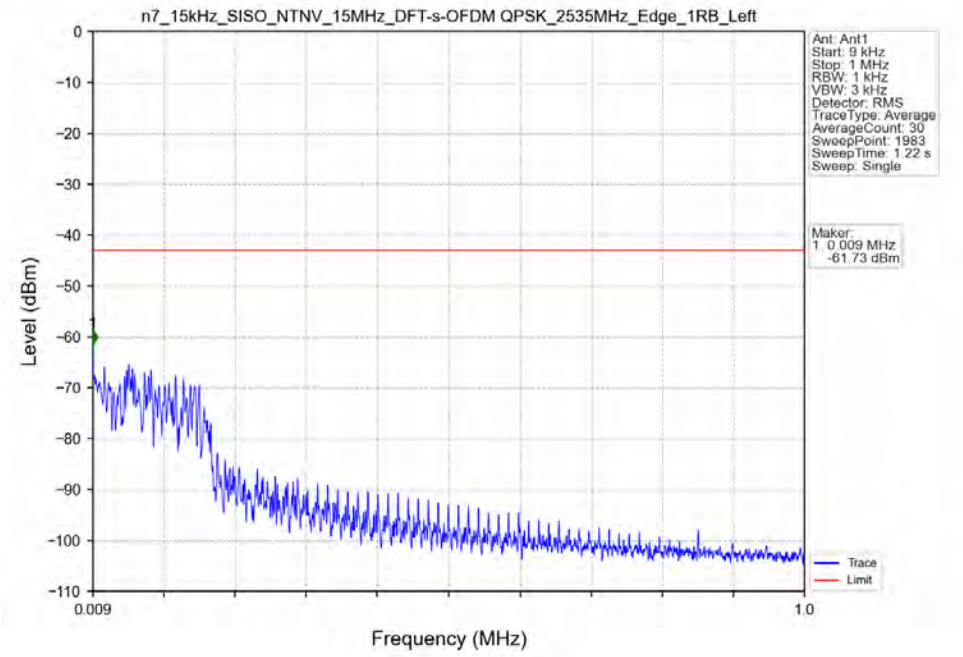

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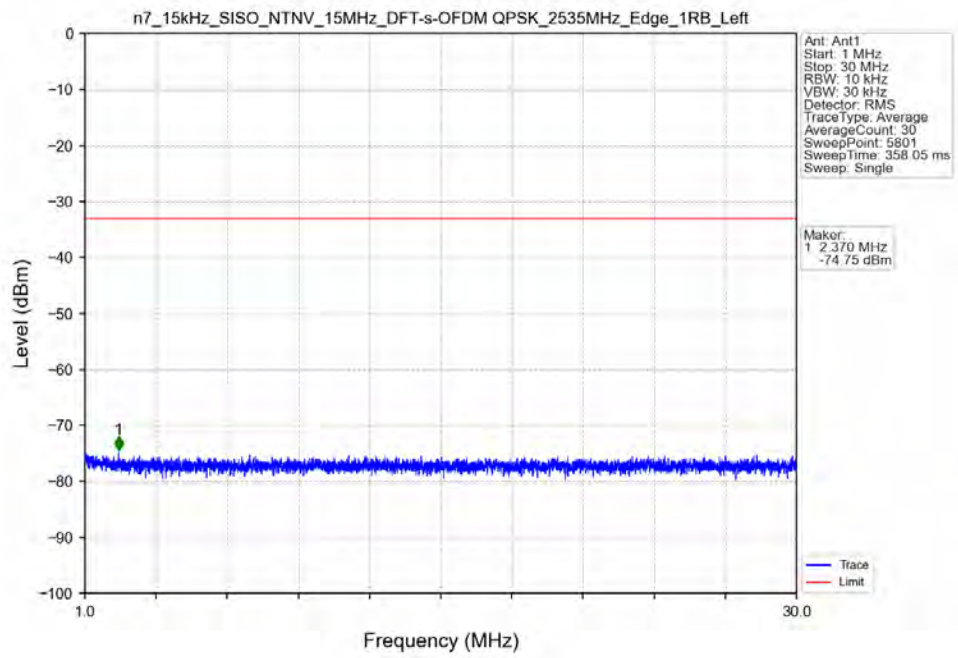

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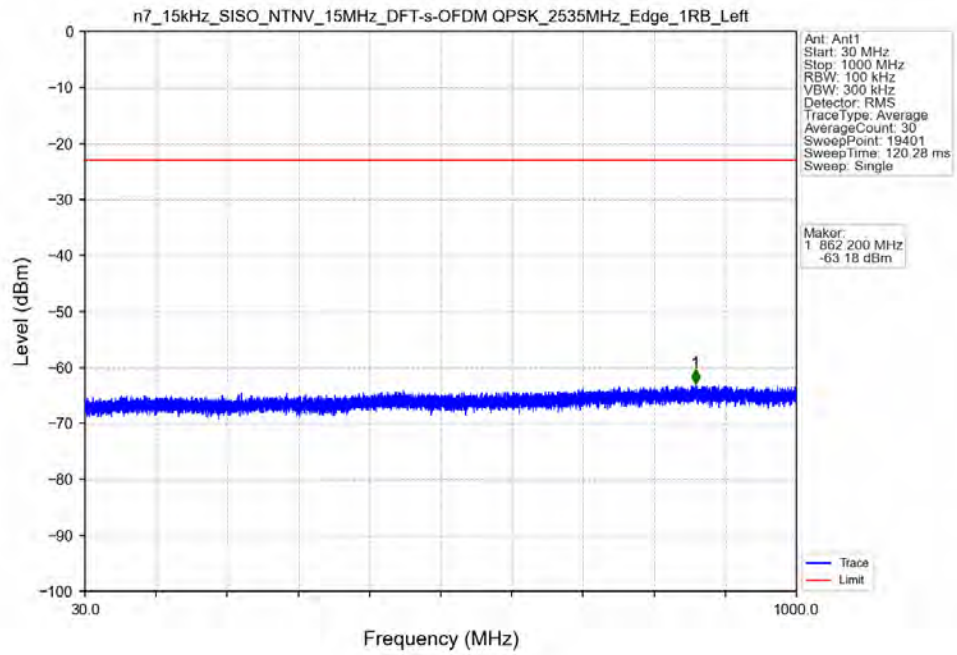

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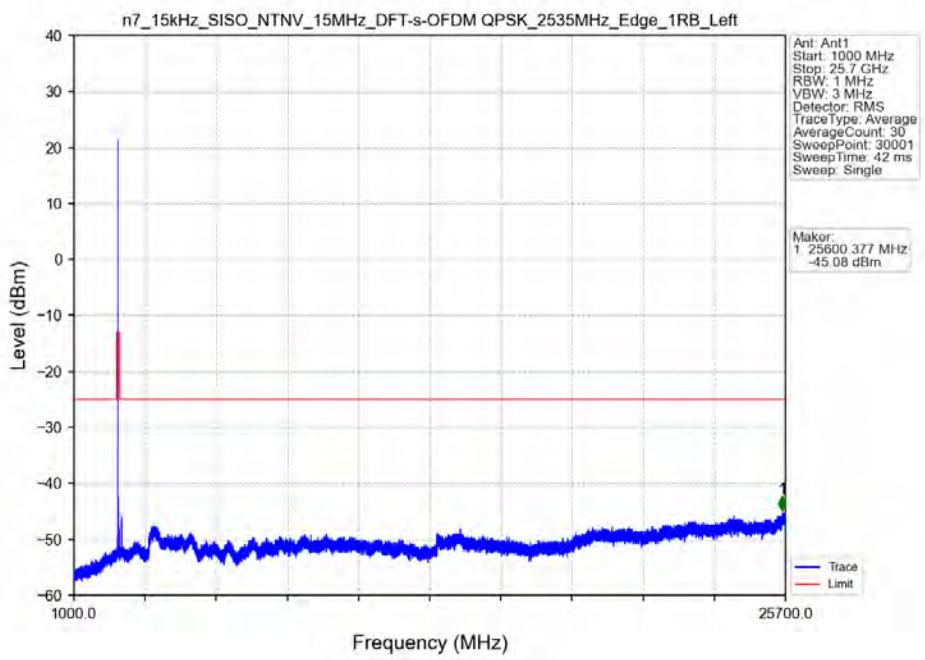
n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_2535MHz_Edge_1RB_Left



n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_2562.5MHz_Edge_1RB_Right

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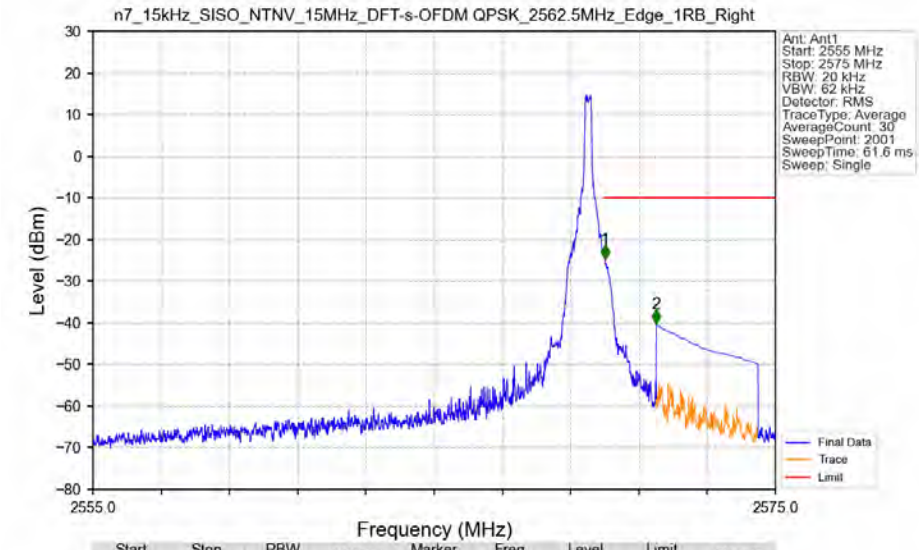

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.000	-24.77	-10	Pass
2571	2575	1	CHP	2	2571.510	-40.30	-10	Pass

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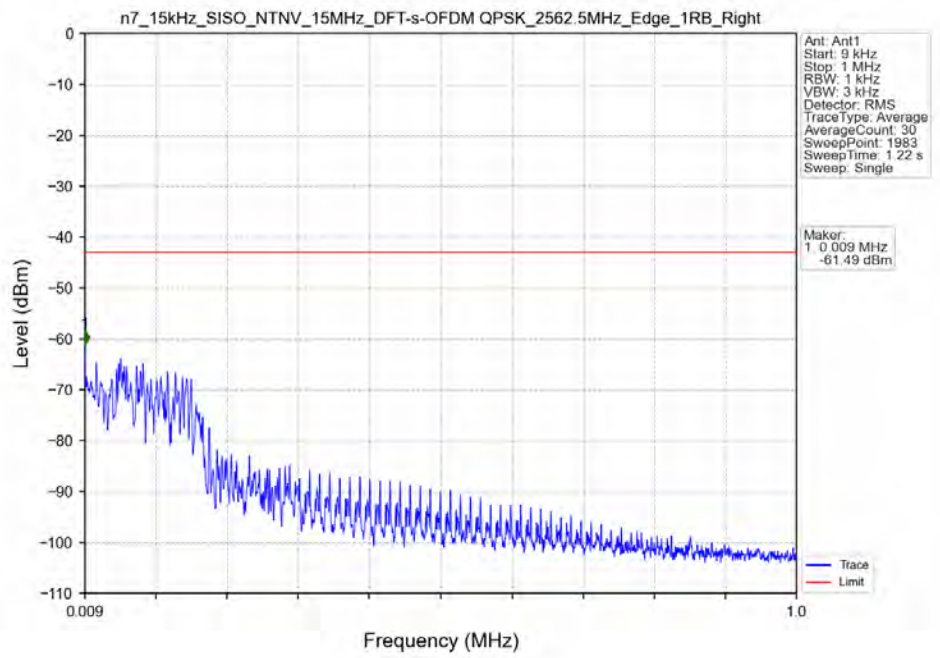

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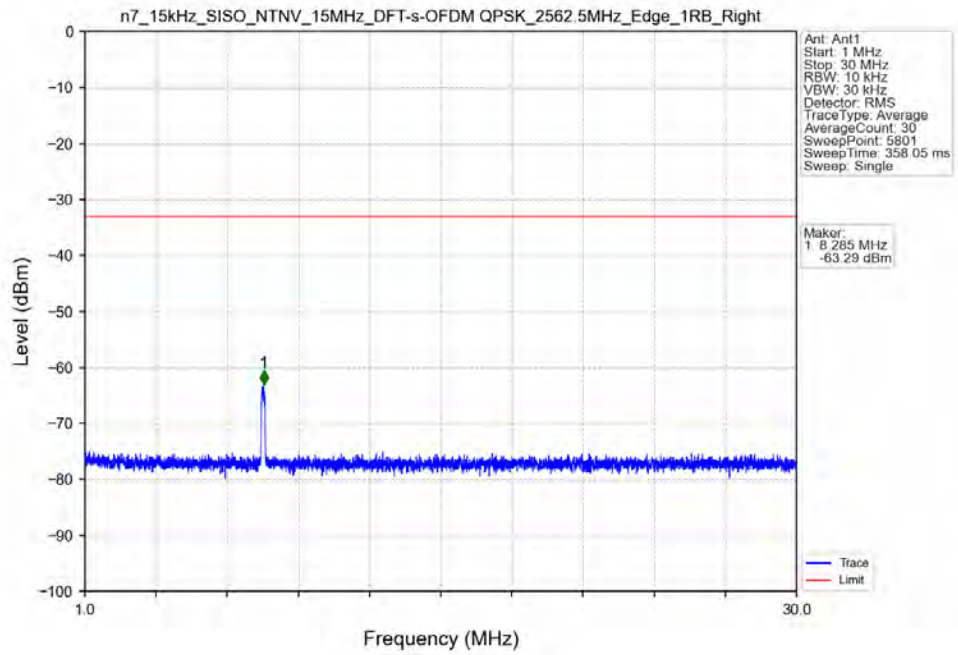

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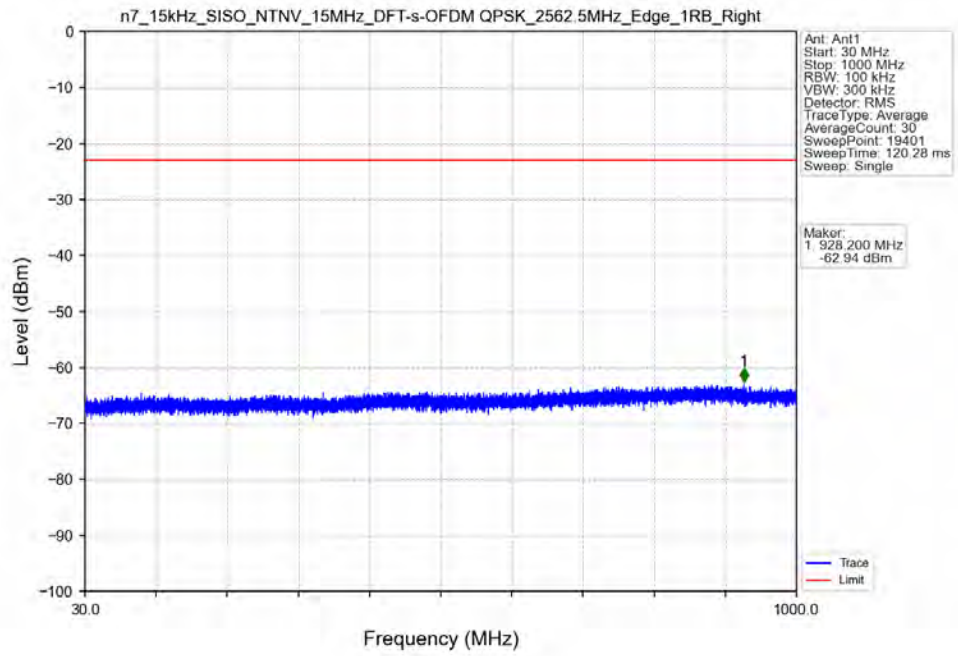

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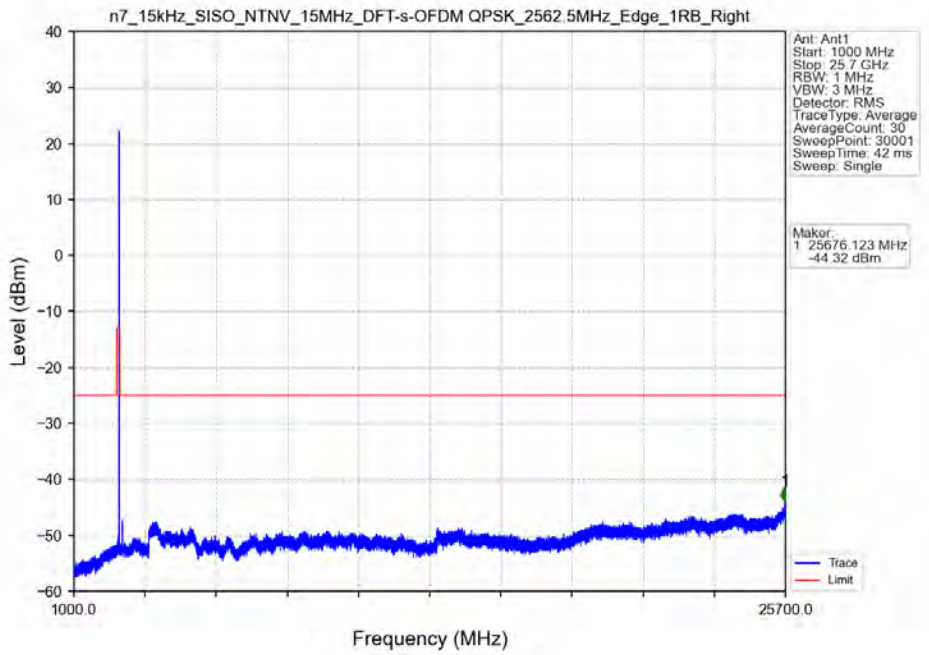

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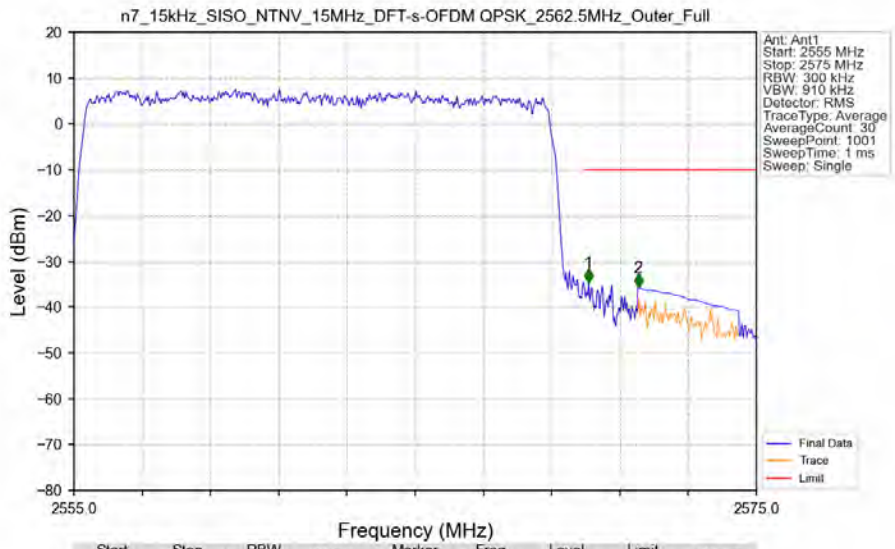

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.3	/	/	/	/	/	/
2570	2571	0.3	/	1	2570.080	-34.73	-10	Pass
2571	2575	1	CHP	2	2571.540	-35.79	-10	Pass

n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_2562.5MHz_Inner_1RB_Right

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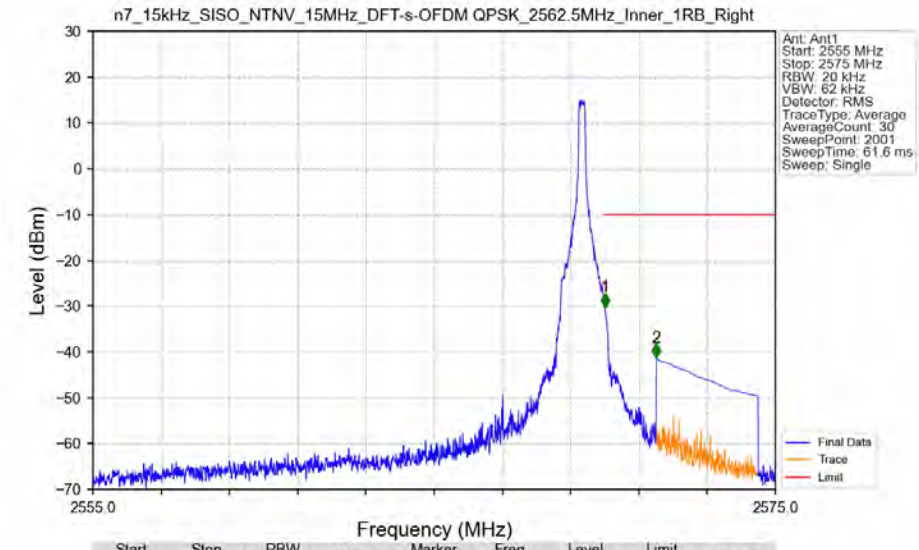

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2555	2570	0.02	/	/	/	/	/	/
2570	2571	0.02	/	1	2570.000	-30.26	-10	Pass
2571	2575	1	CHP	2	2571.510	-41.33	-10	Pass

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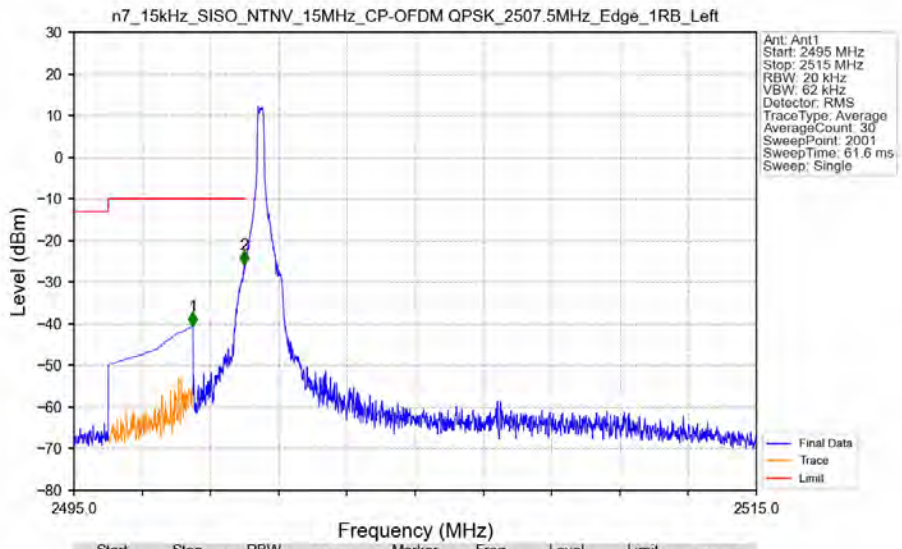

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2495	2499	1	CHP	1	2498.480	-40.61	-10	Pass
2499	2500	0.02	/	2	2499.990	-25.94	-10	Pass
2500	2515	0.02	/	/	/	/	/	/

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