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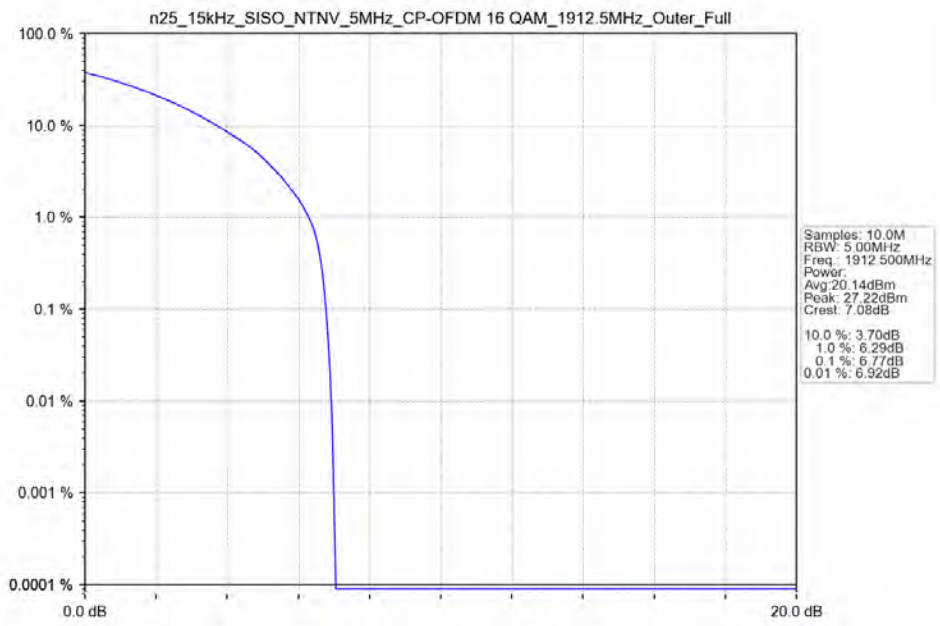
n25_15kHz_SISO_NTNV_5MHz_CP-OFDM 16 QAM_1912.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_1852.5MHz_Outer_Full

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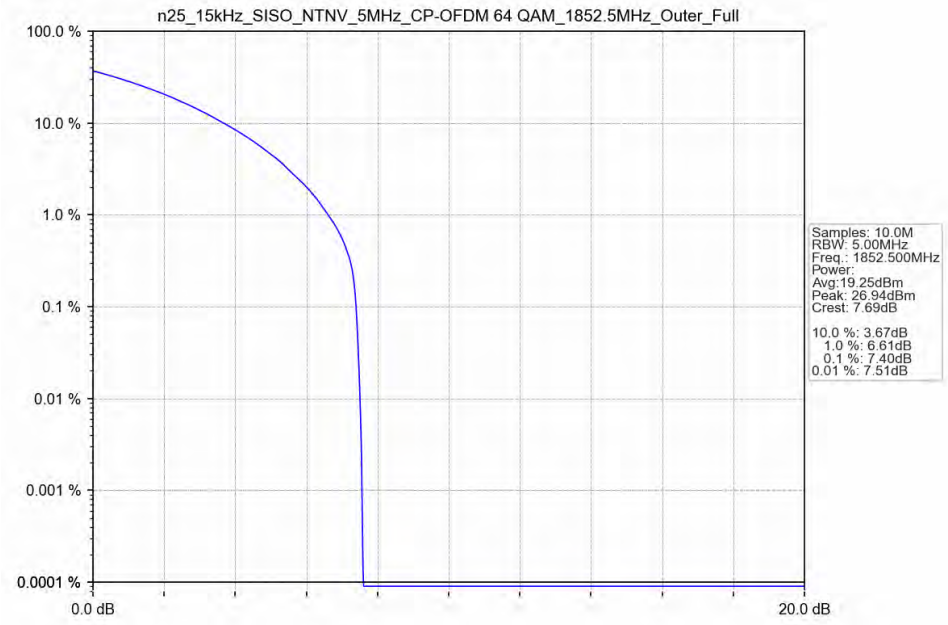

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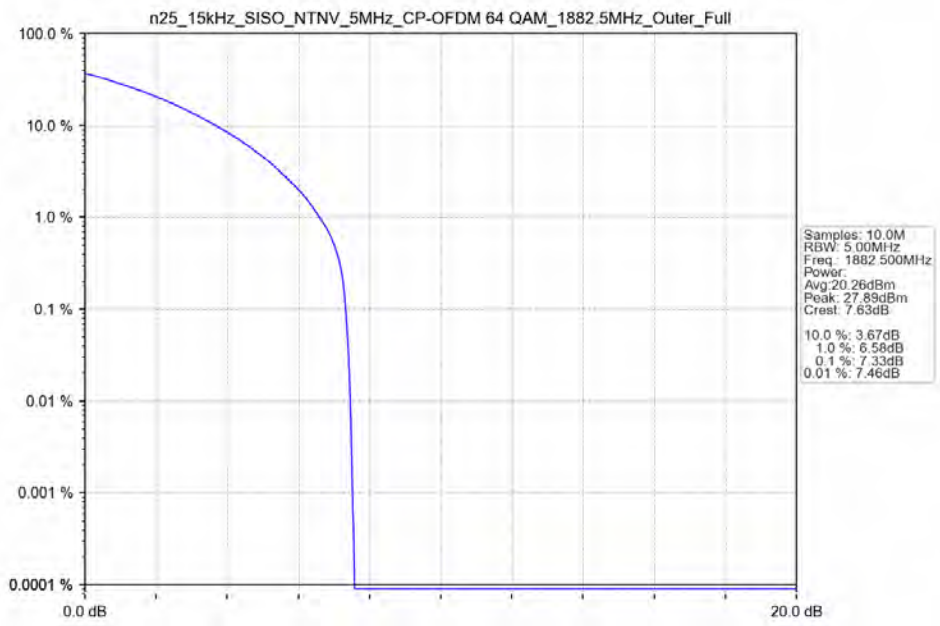
n25_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_1882.5MHz_Outer_Full



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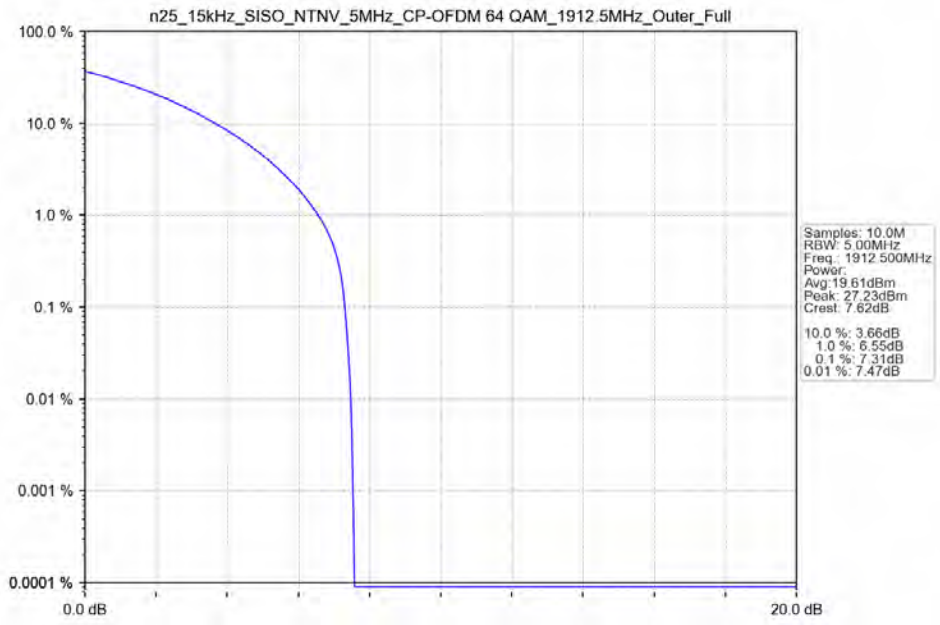

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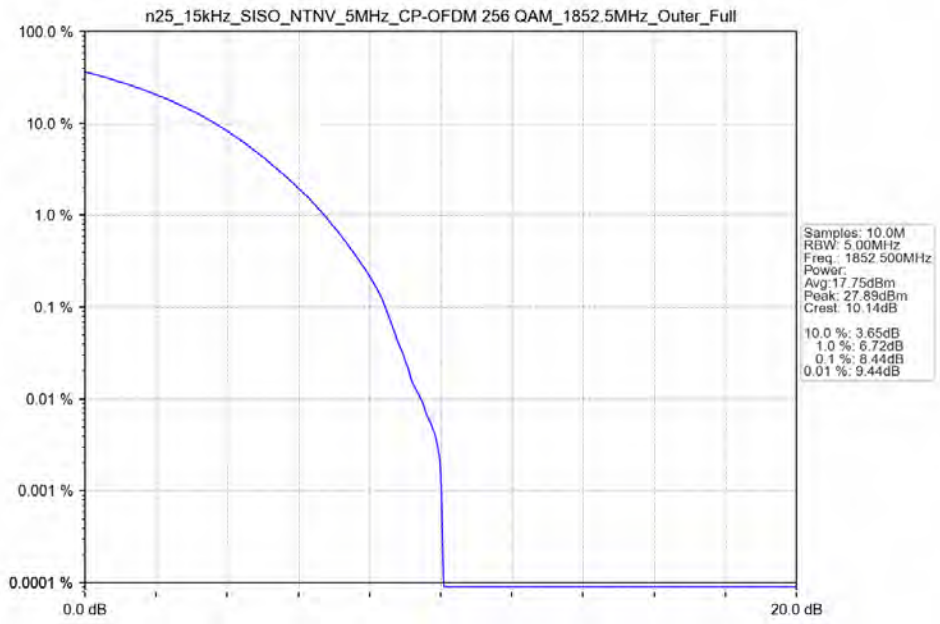
n25_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_1852.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_1882.5MHz_Outer_Full

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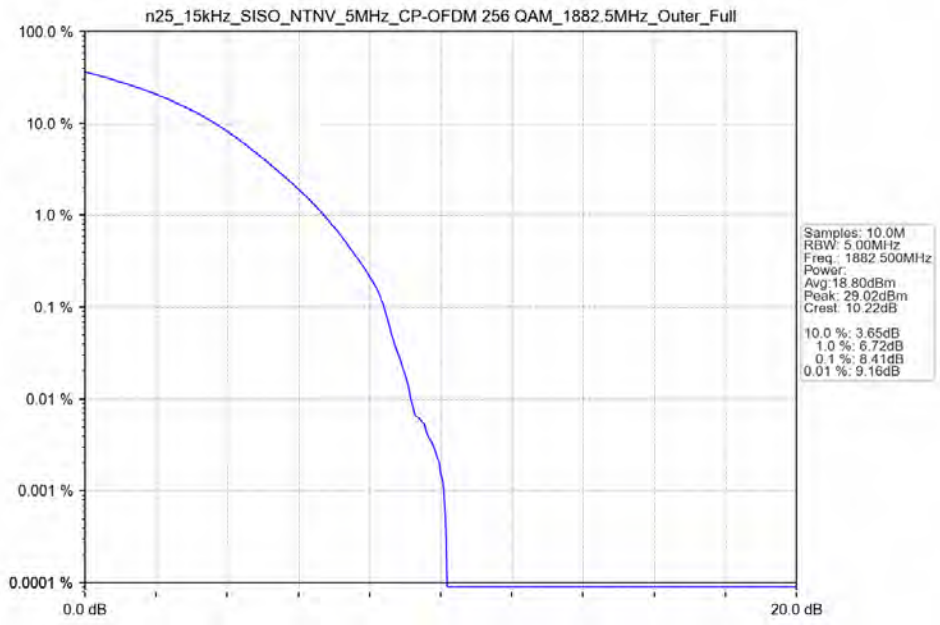

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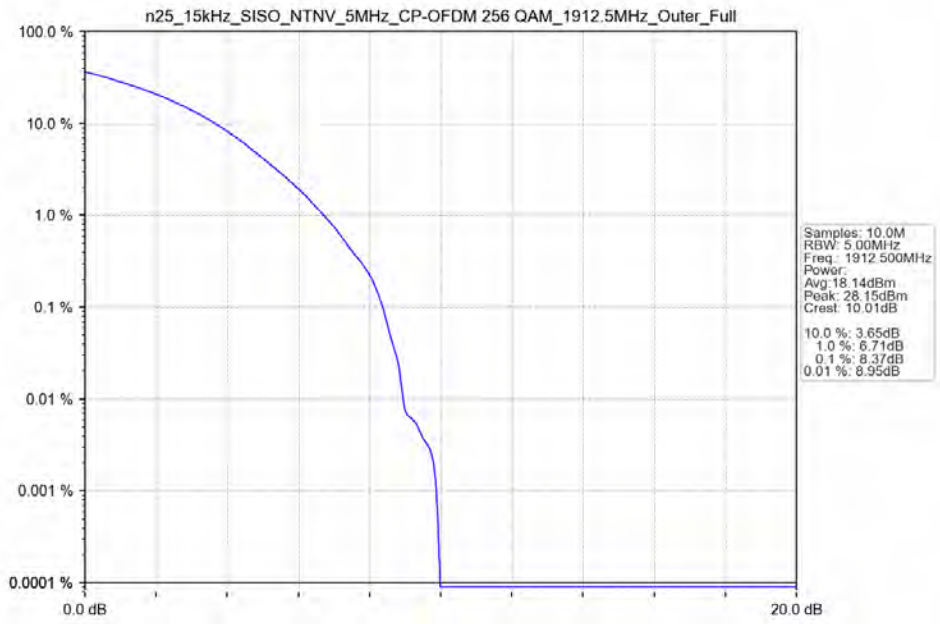

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4.2 15k_SISO_10MHz_NTNV

4.2.1 Test Result

5G NR n25 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	1855	Outer_Full	4.28	/	/	<=13	Pass
	1882.5	Outer_Full	4.25	/	/	<=13	Pass
	1910	Outer_Full	4.01	/	/	<=13	Pass
DFT-s-OFDM QPSK	1855	Outer_Full	4.74	/	/	<=13	Pass
	1882.5	Outer_Full	4.74	/	/	<=13	Pass
	1910	Outer_Full	4.87	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1855	Outer_Full	5.73	/	/	<=13	Pass
	1882.5	Outer_Full	5.74	/	/	<=13	Pass
	1910	Outer_Full	5.98	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1855	Outer_Full	6.18	/	/	<=13	Pass
	1882.5	Outer_Full	6.17	/	/	<=13	Pass
	1910	Outer_Full	6.31	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1855	Outer_Full	6.56	/	/	<=13	Pass
	1882.5	Outer_Full	6.55	/	/	<=13	Pass
	1910	Outer_Full	6.53	/	/	<=13	Pass
CP-OFDM QPSK	1855	Outer_Full	7.16	/	/	<=13	Pass
	1882.5	Outer_Full	7.09	/	/	<=13	Pass
	1910	Outer_Full	6.58	/	/	<=13	Pass
CP-OFDM 16 QAM	1855	Outer_Full	6.91	/	/	<=13	Pass
	1882.5	Outer_Full	6.91	/	/	<=13	Pass
	1910	Outer_Full	7.20	/	/	<=13	Pass
CP-OFDM 64 QAM	1855	Outer_Full	7.34	/	/	<=13	Pass
	1882.5	Outer_Full	7.35	/	/	<=13	Pass
	1910	Outer_Full	7.65	/	/	<=13	Pass
CP-OFDM 256 QAM	1855	Outer_Full	8.61	/	/	<=13	Pass
	1882.5	Outer_Full	8.57	/	/	<=13	Pass
	1910	Outer_Full	8.60	/	/	<=13	Pass

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4.2.2 Test Graph

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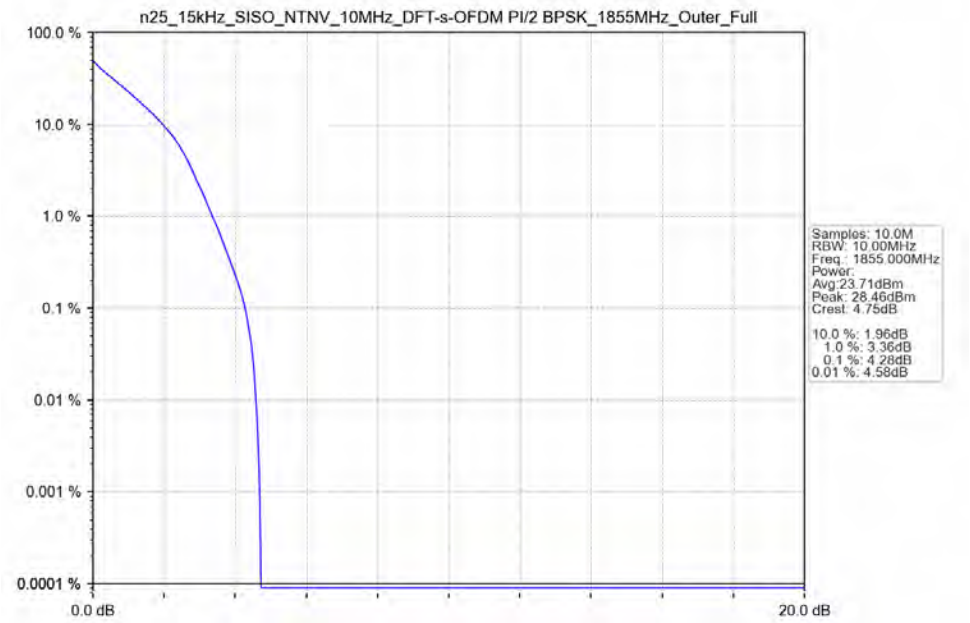

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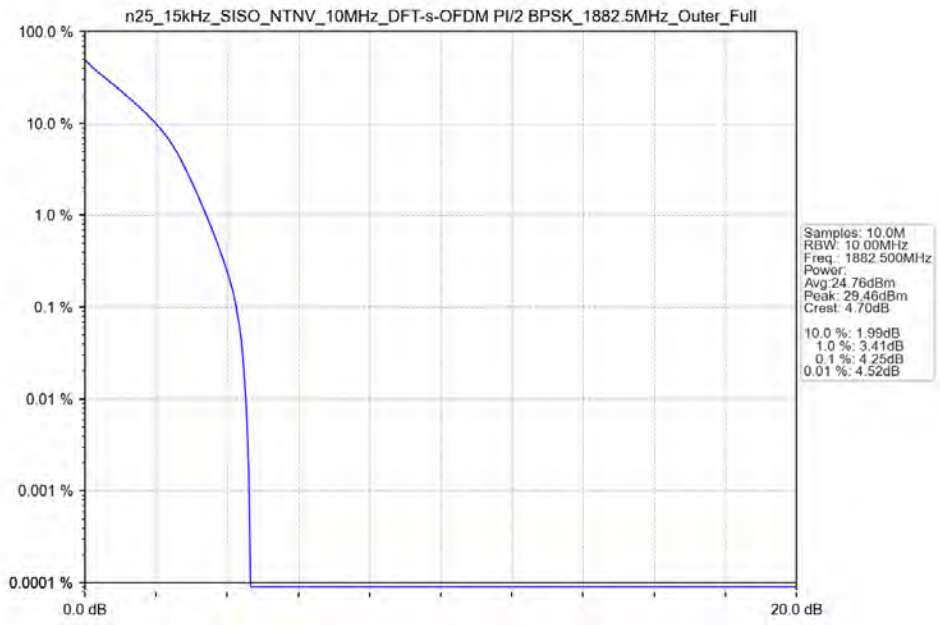

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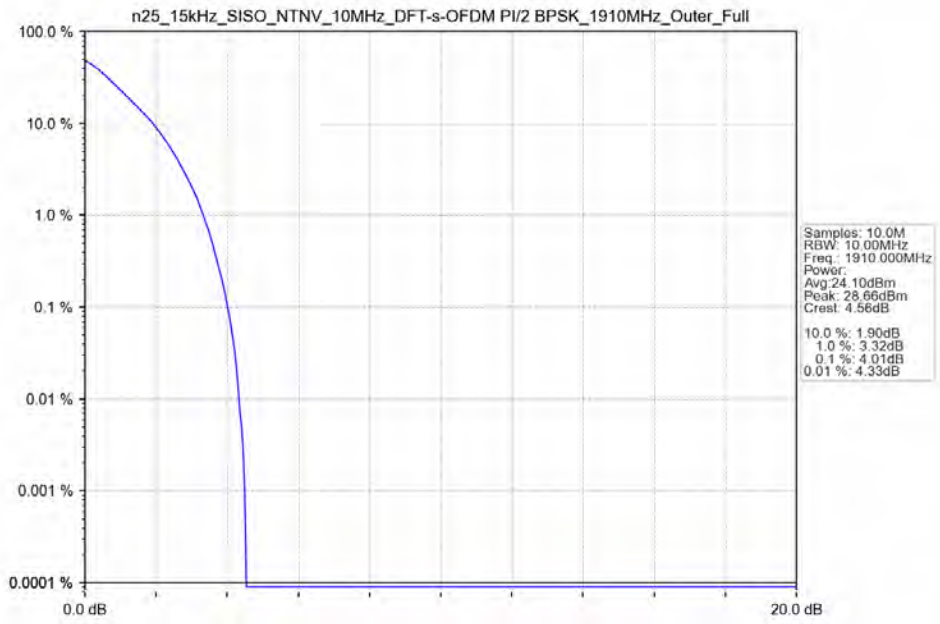

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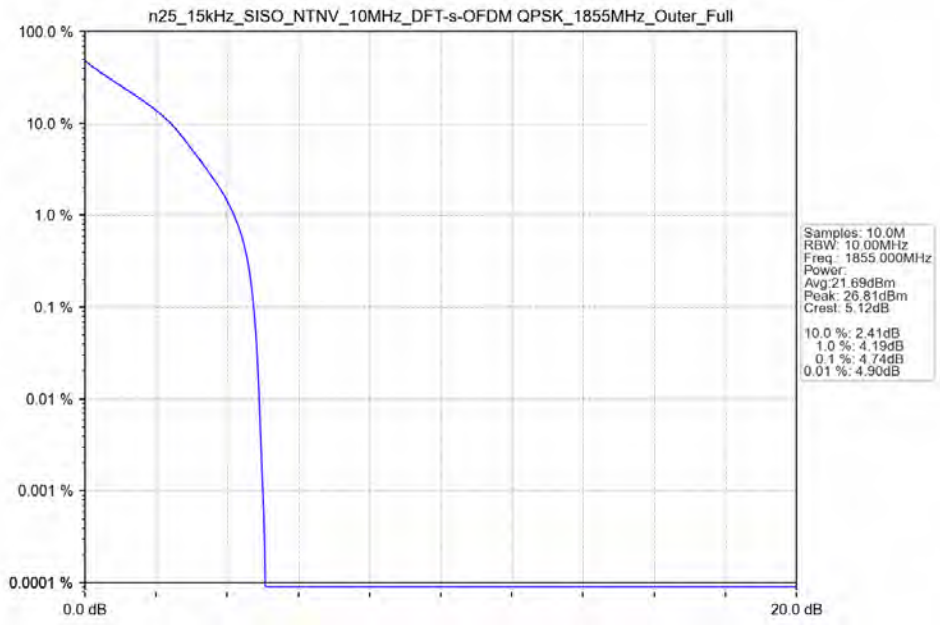

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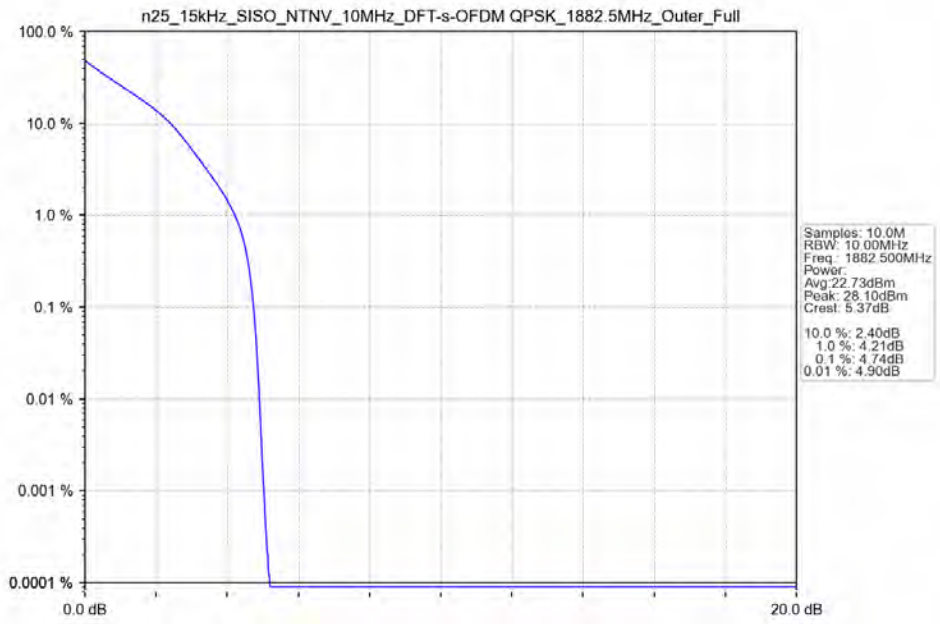

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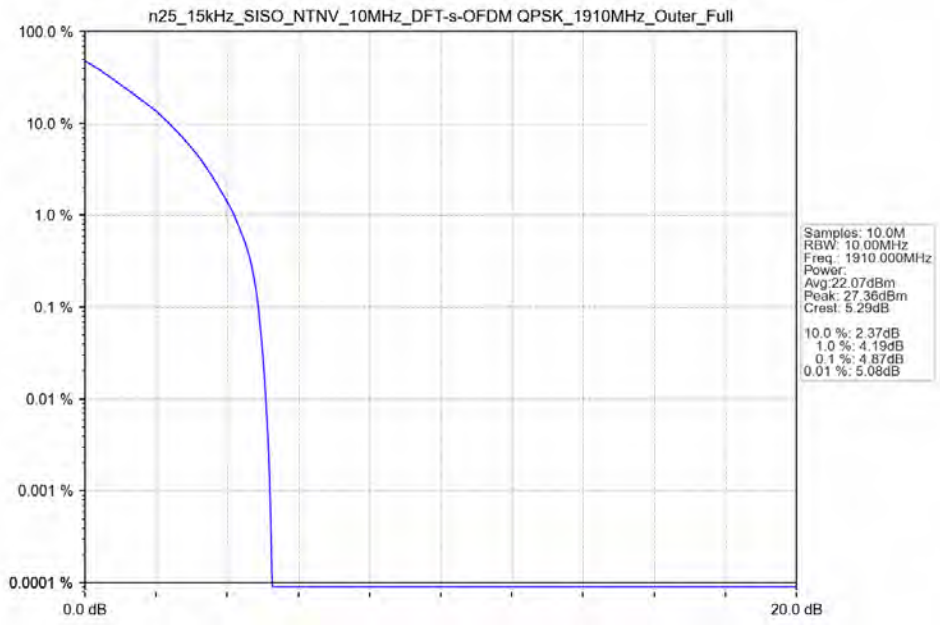

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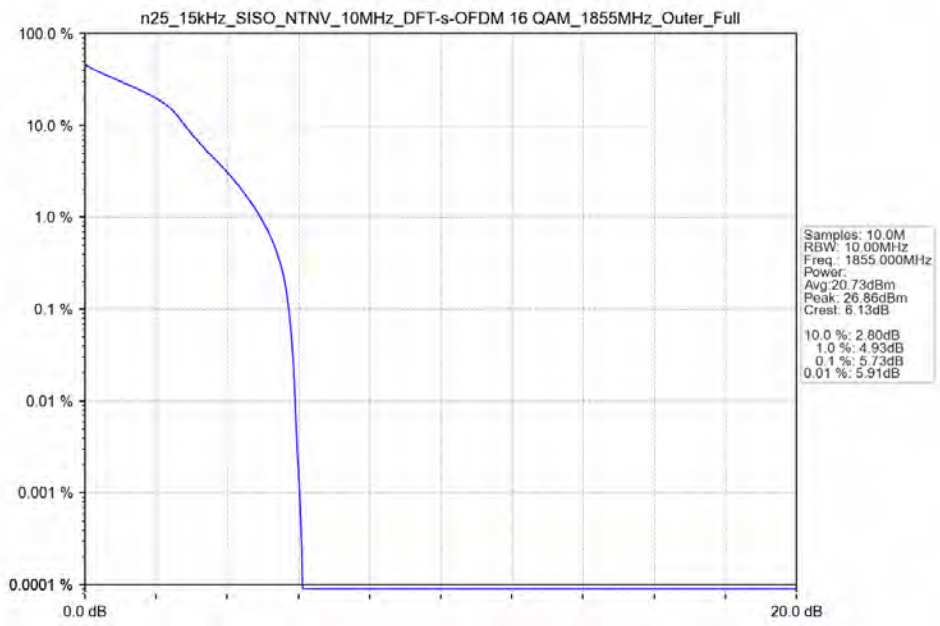
n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_1855MHz_Outer_Full



n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_1882.5MHz_Outer_Full

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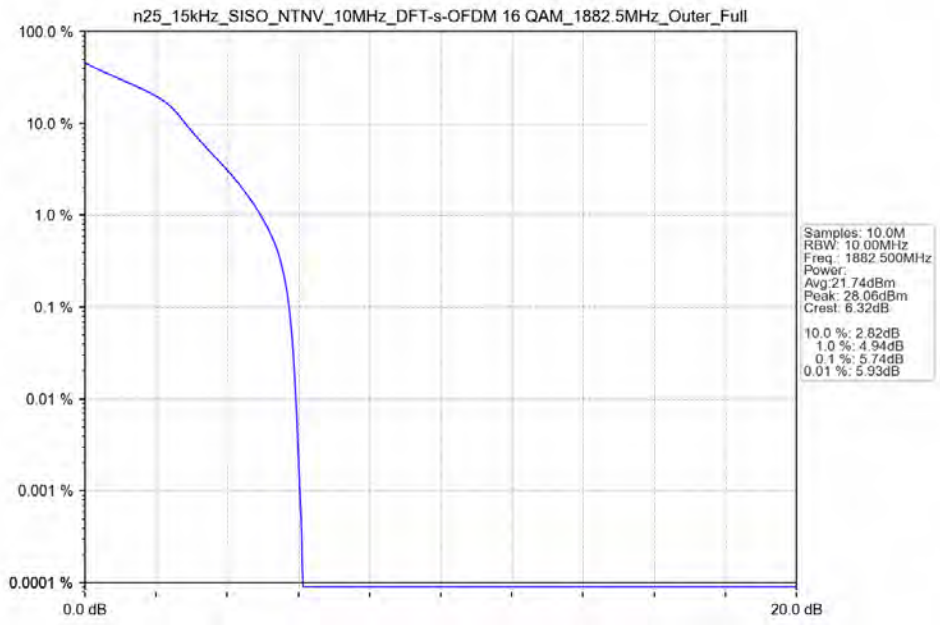

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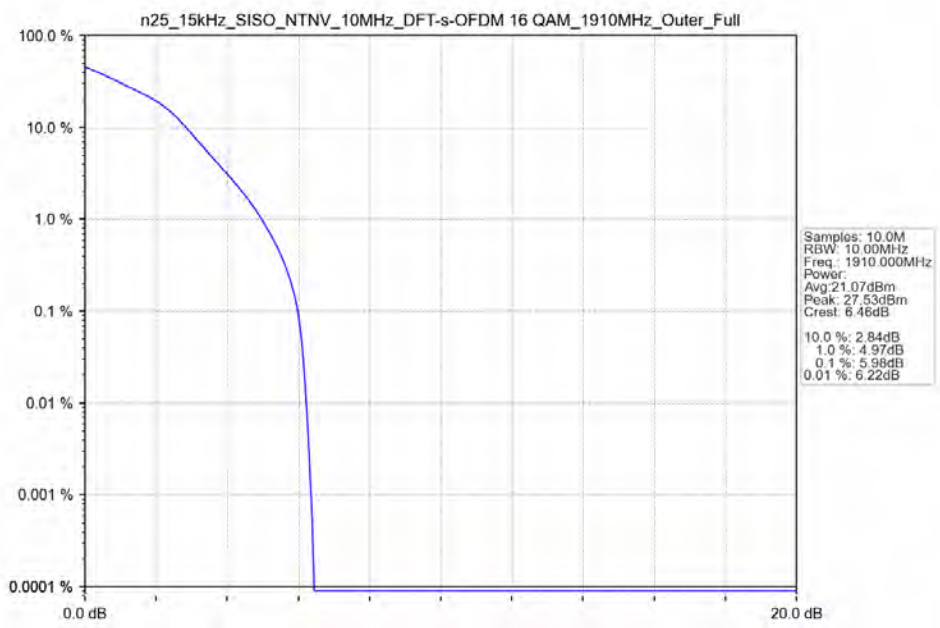

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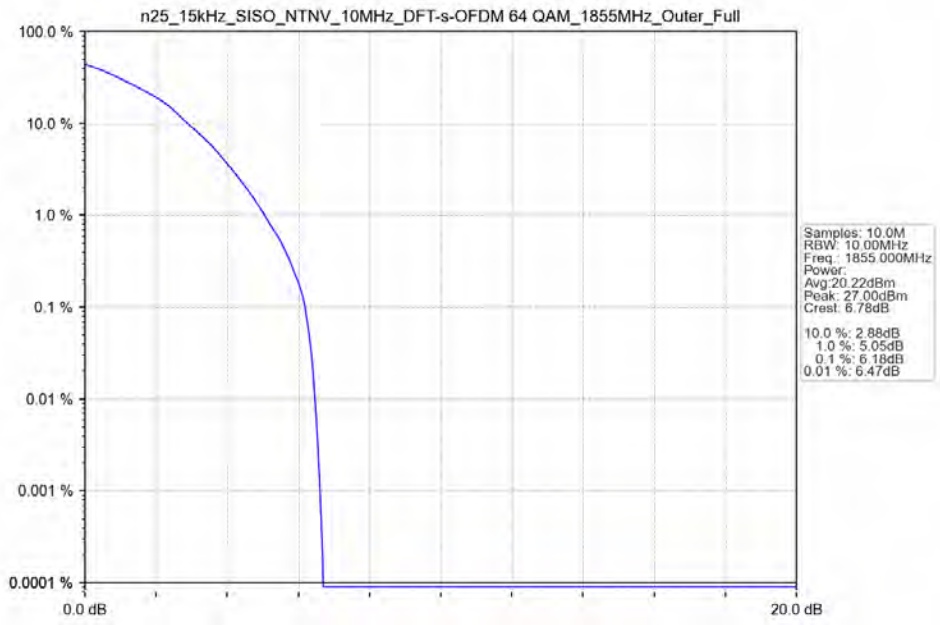

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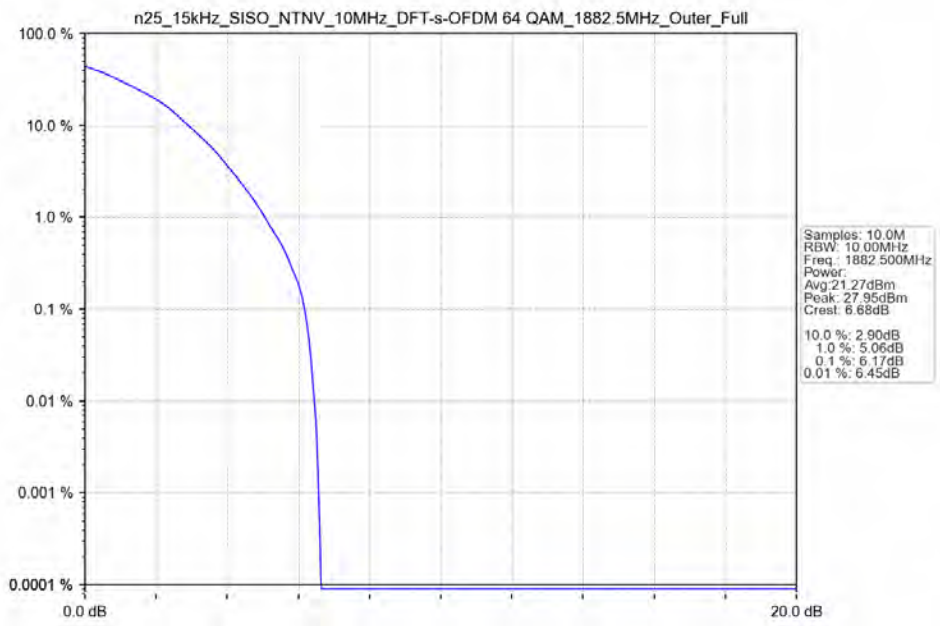

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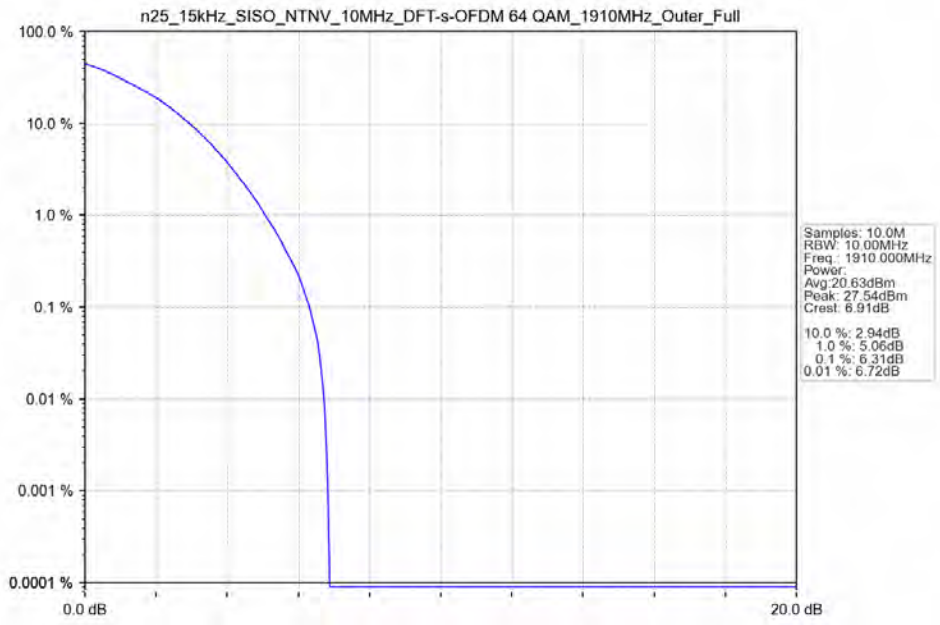

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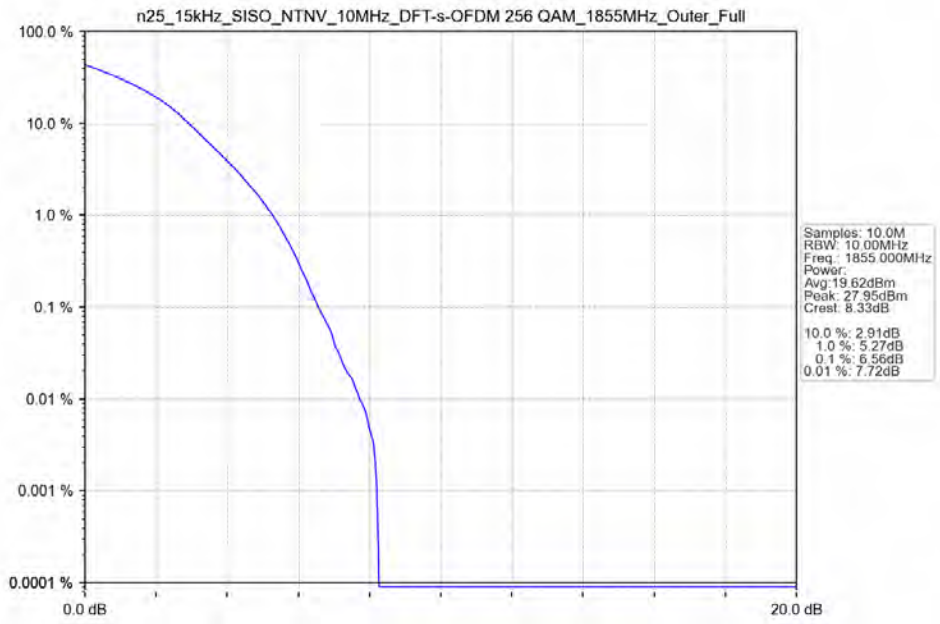

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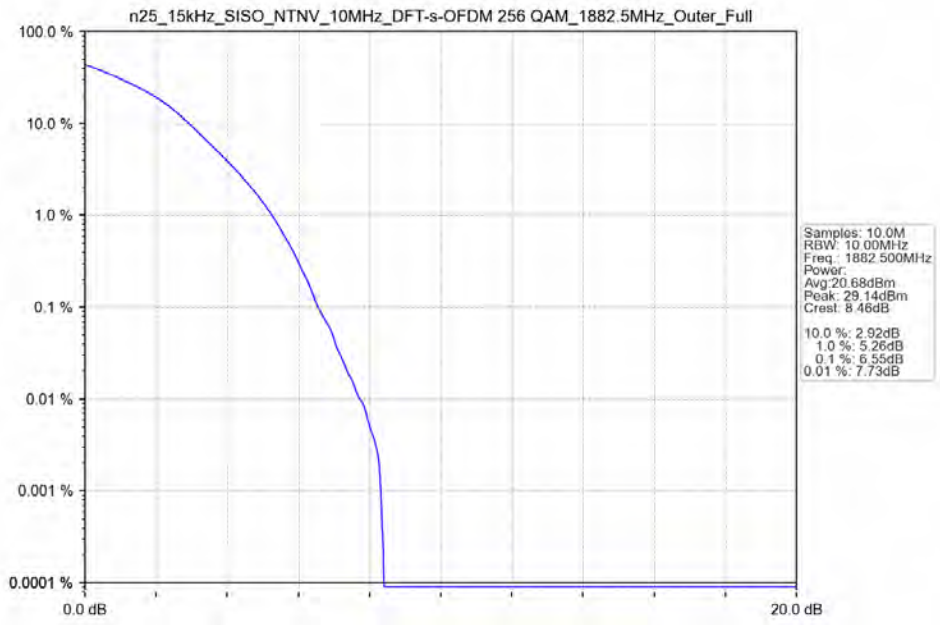

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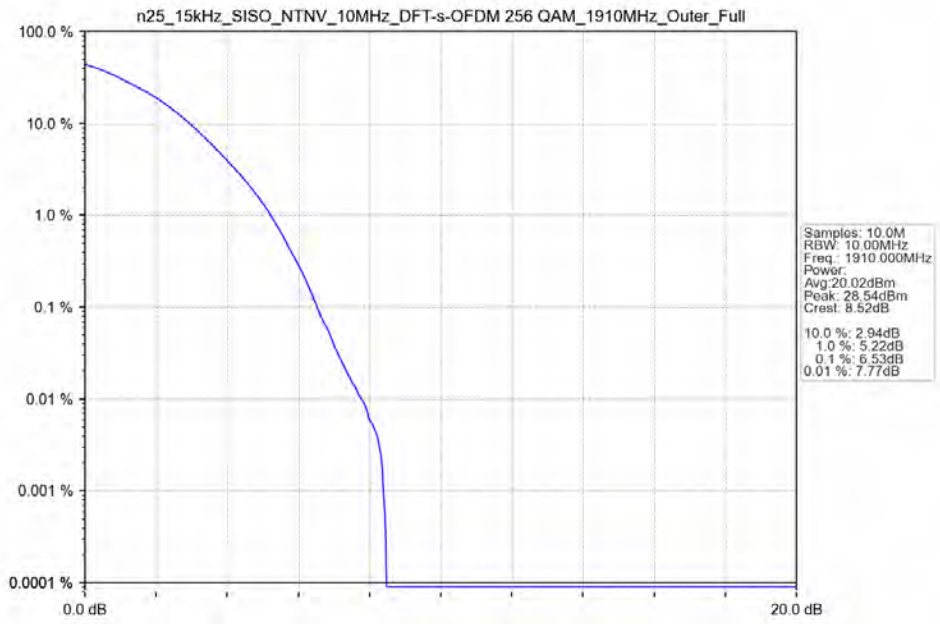

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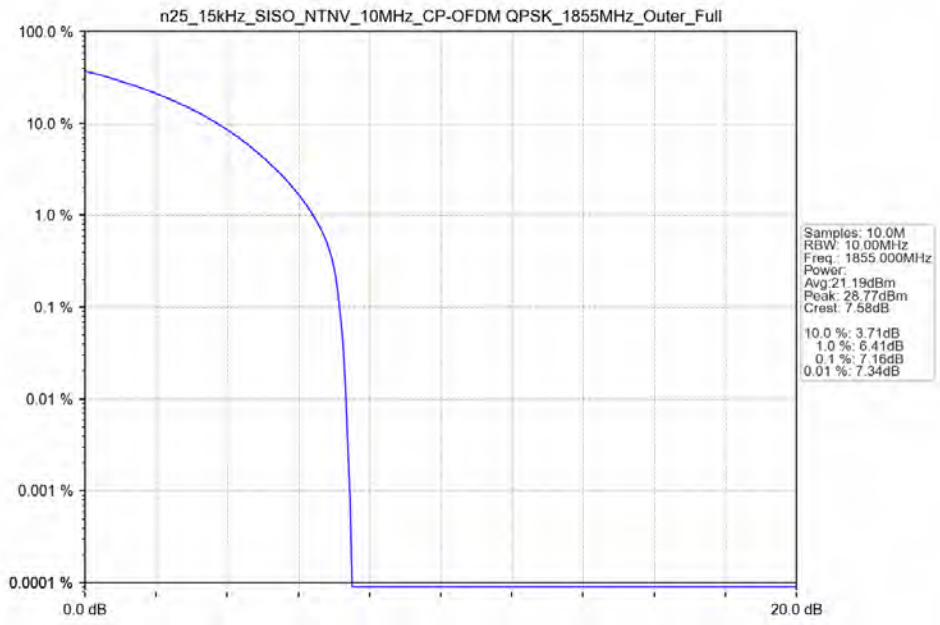

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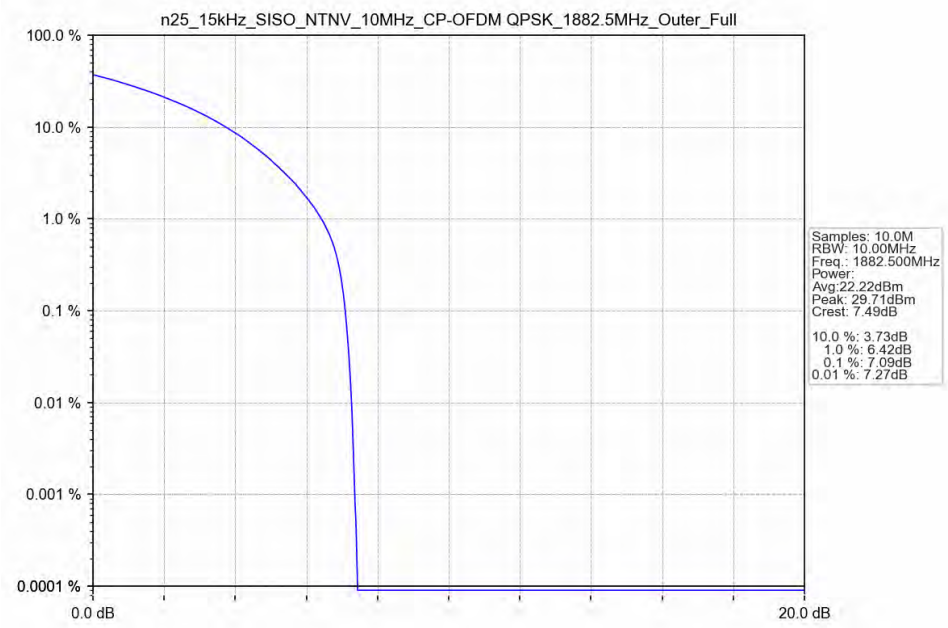

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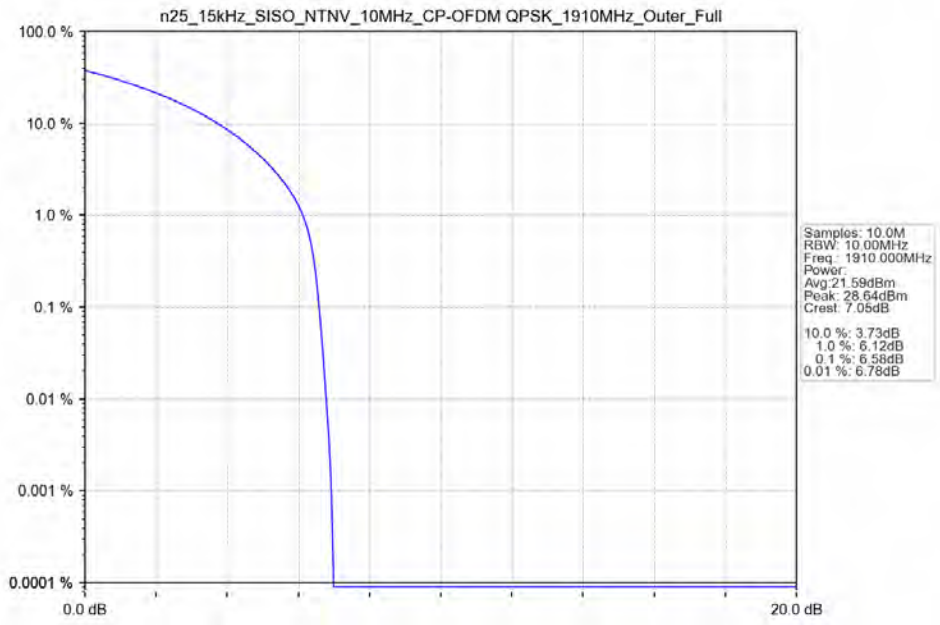

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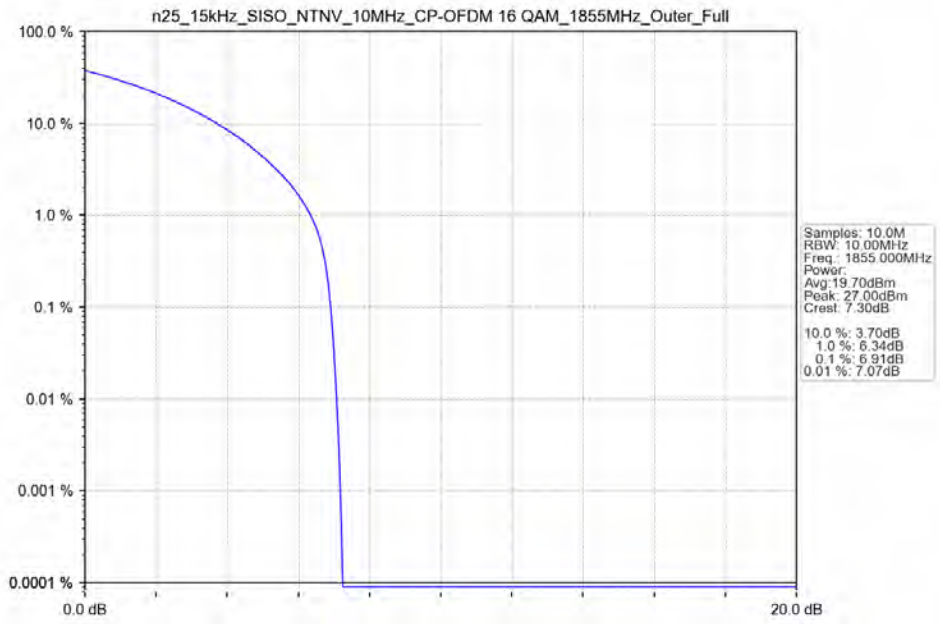
n25_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_1855MHz_Outer_Full



n25_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_1882.5MHz_Outer_Full

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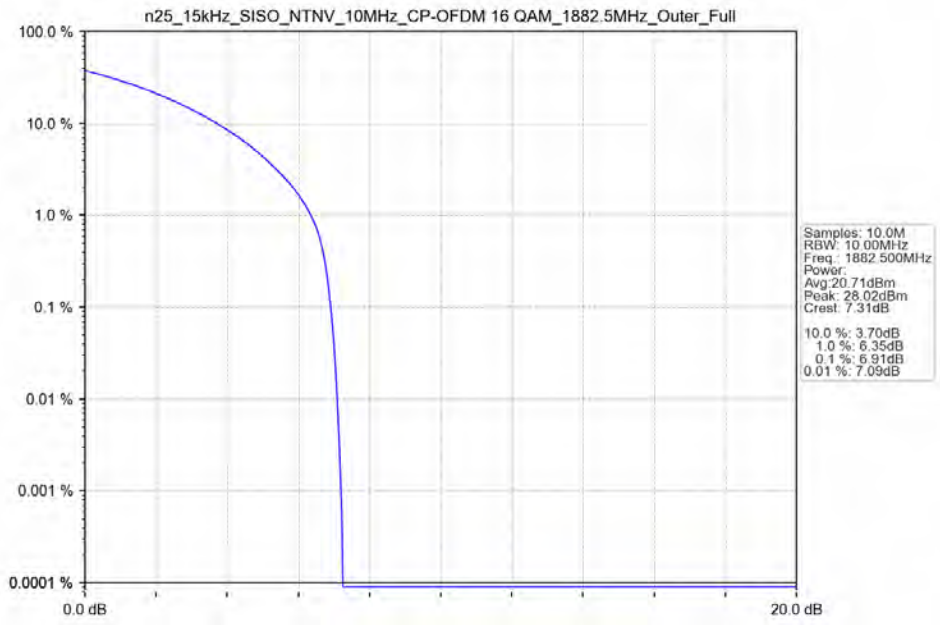

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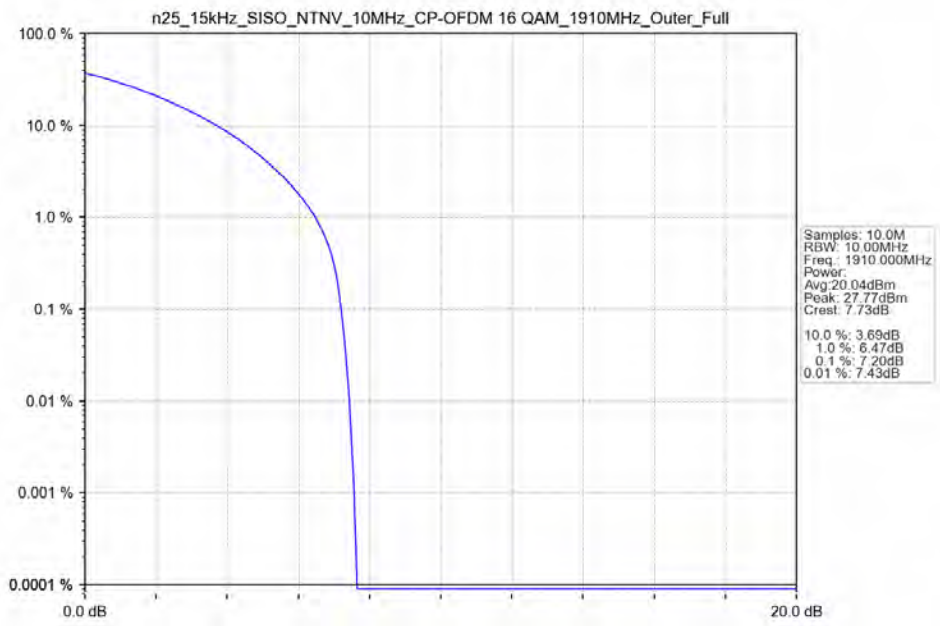

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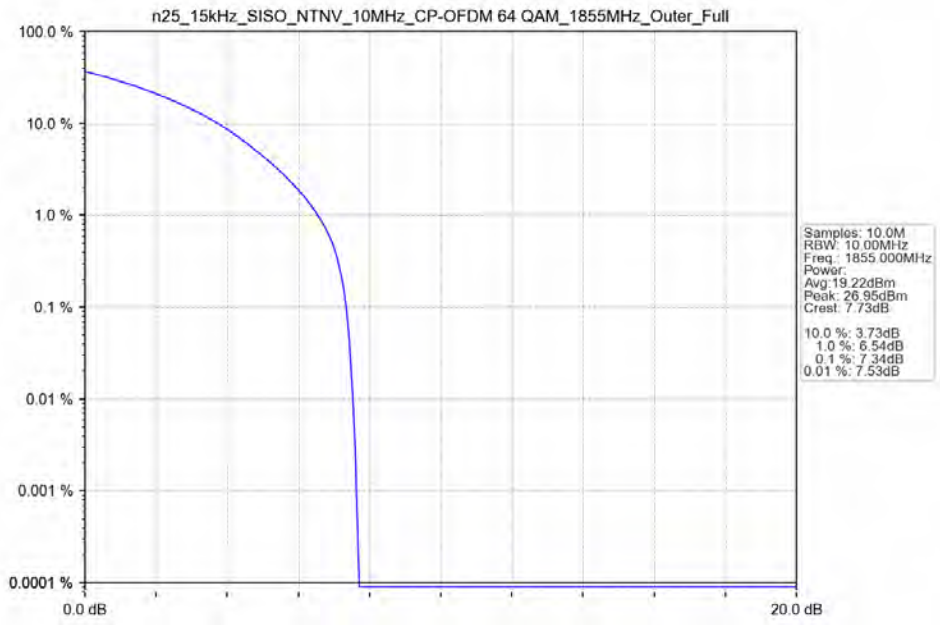

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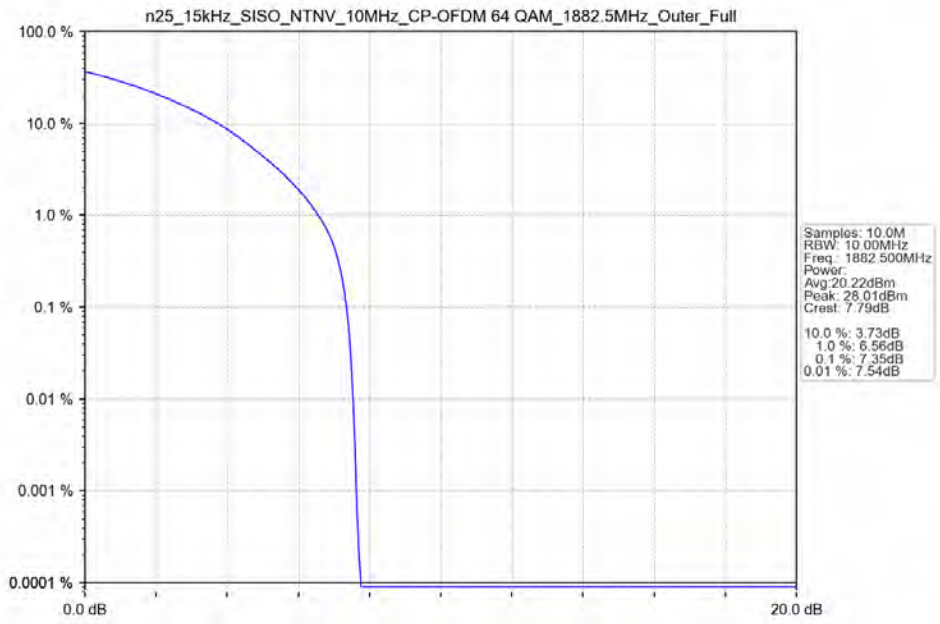
n25_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_1882.5MHz_Outer_Full



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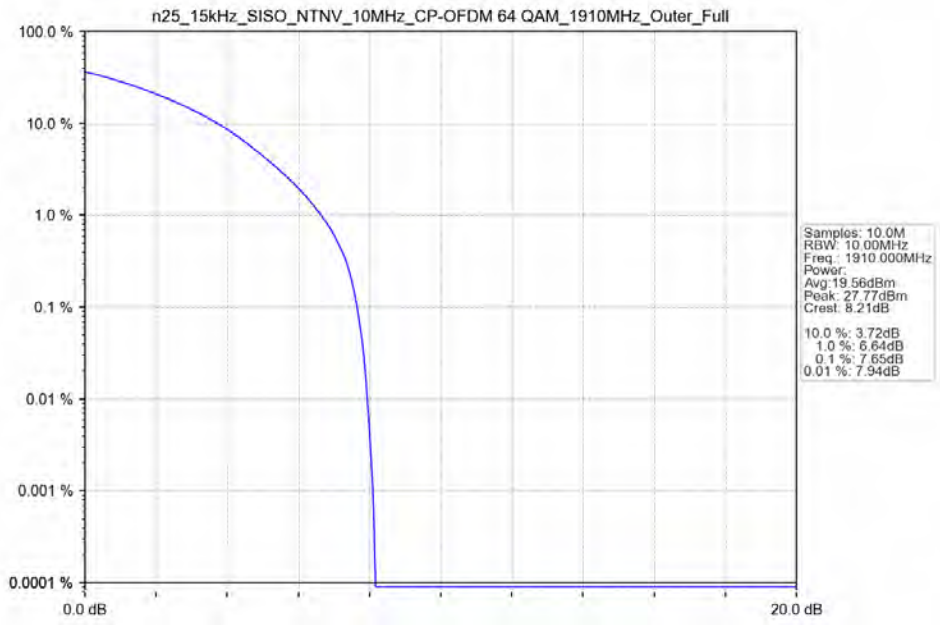

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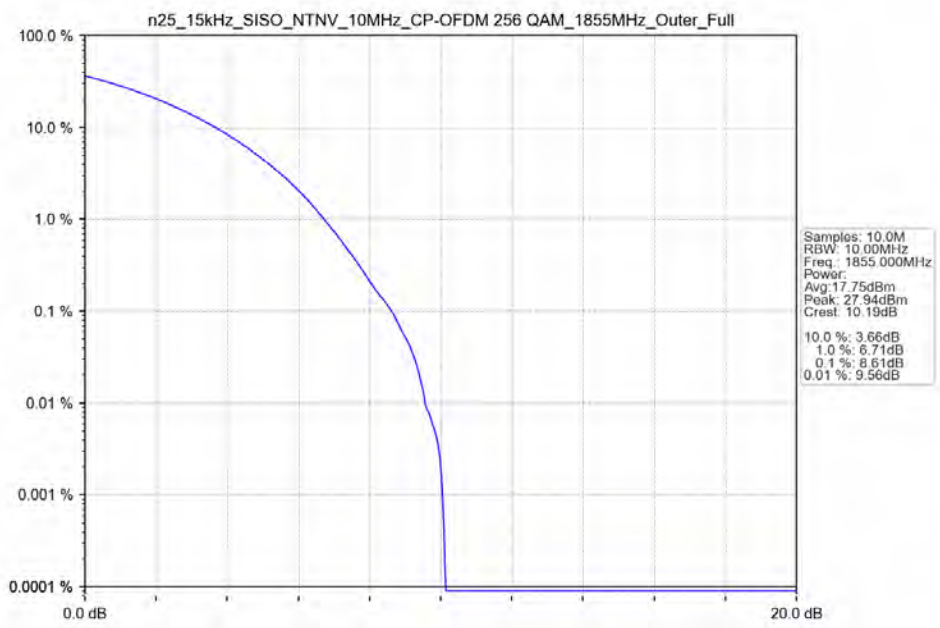

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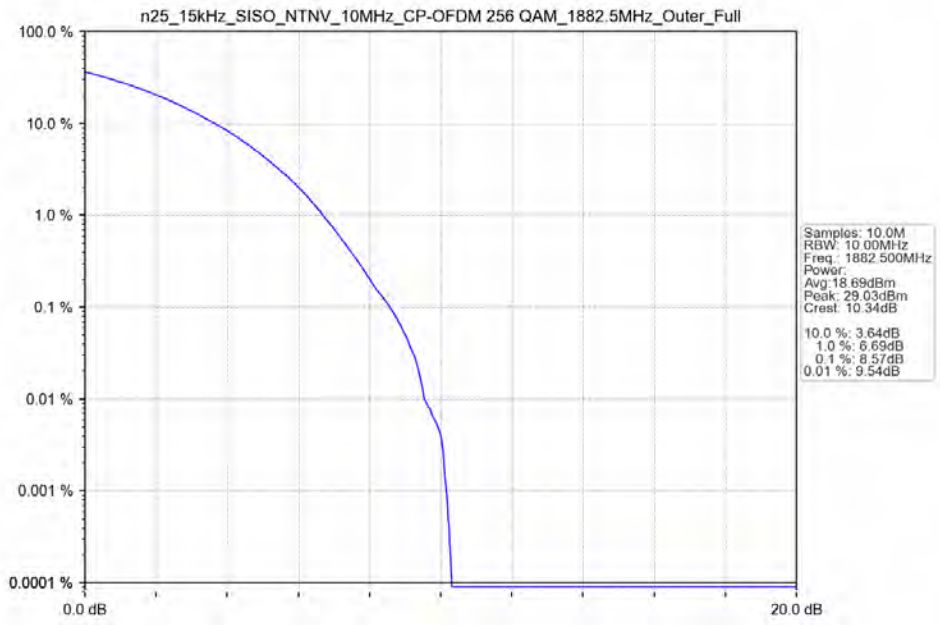

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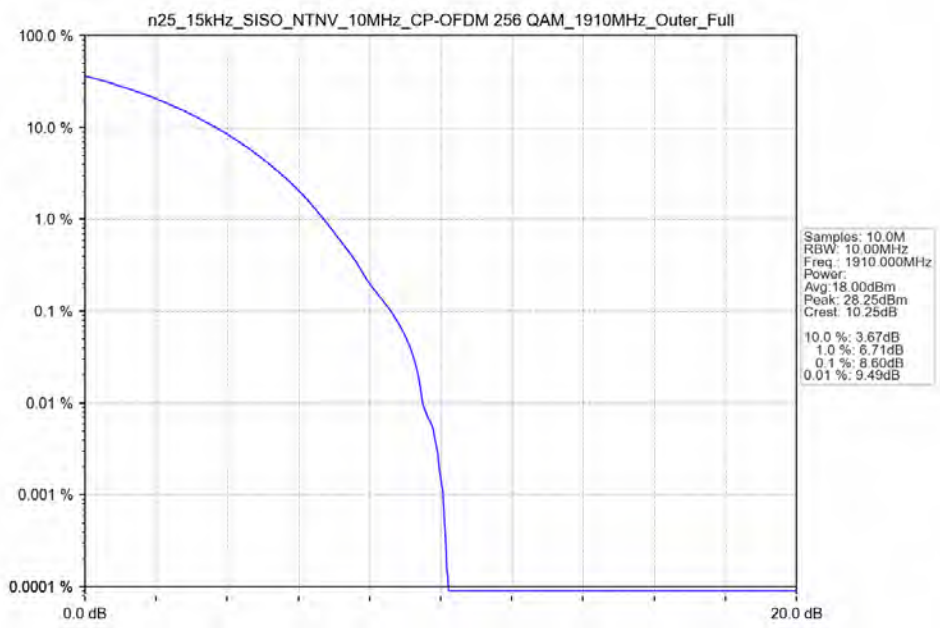

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4.3 15k_SISO_15MHz_NTNV

4.3.1 Test Result

5G NR n25 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	1857.5	Outer_Full	4.06	/	/	<=13	Pass
	1882.5	Outer_Full	4.06	/	/	<=13	Pass
	1907.5	Outer_Full	3.97	/	/	<=13	Pass
DFT-s-OFDM QPSK	1857.5	Outer_Full	5.09	/	/	<=13	Pass
	1882.5	Outer_Full	5.29	/	/	<=13	Pass
	1907.5	Outer_Full	4.77	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1857.5	Outer_Full	6.03	/	/	<=13	Pass
	1882.5	Outer_Full	5.36	/	/	<=13	Pass
	1907.5	Outer_Full	5.67	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1857.5	Outer_Full	6.39	/	/	<=13	Pass
	1882.5	Outer_Full	5.95	/	/	<=13	Pass
	1907.5	Outer_Full	6.15	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1857.5	Outer_Full	6.60	/	/	<=13	Pass
	1882.5	Outer_Full	6.59	/	/	<=13	Pass
	1907.5	Outer_Full	6.55	/	/	<=13	Pass
CP-OFDM QPSK	1857.5	Outer_Full	6.73	/	/	<=13	Pass
	1882.5	Outer_Full	6.78	/	/	<=13	Pass
	1907.5	Outer_Full	6.86	/	/	<=13	Pass
CP-OFDM 16 QAM	1857.5	Outer_Full	7.24	/	/	<=13	Pass
	1882.5	Outer_Full	6.61	/	/	<=13	Pass
	1907.5	Outer_Full	7.01	/	/	<=13	Pass
CP-OFDM 64 QAM	1857.5	Outer_Full	7.84	/	/	<=13	Pass
	1882.5	Outer_Full	7.23	/	/	<=13	Pass
	1907.5	Outer_Full	7.51	/	/	<=13	Pass
CP-OFDM 256 QAM	1857.5	Outer_Full	8.36	/	/	<=13	Pass
	1882.5	Outer_Full	8.37	/	/	<=13	Pass
	1907.5	Outer_Full	8.39	/	/	<=13	Pass

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4.3.2 Test Graph

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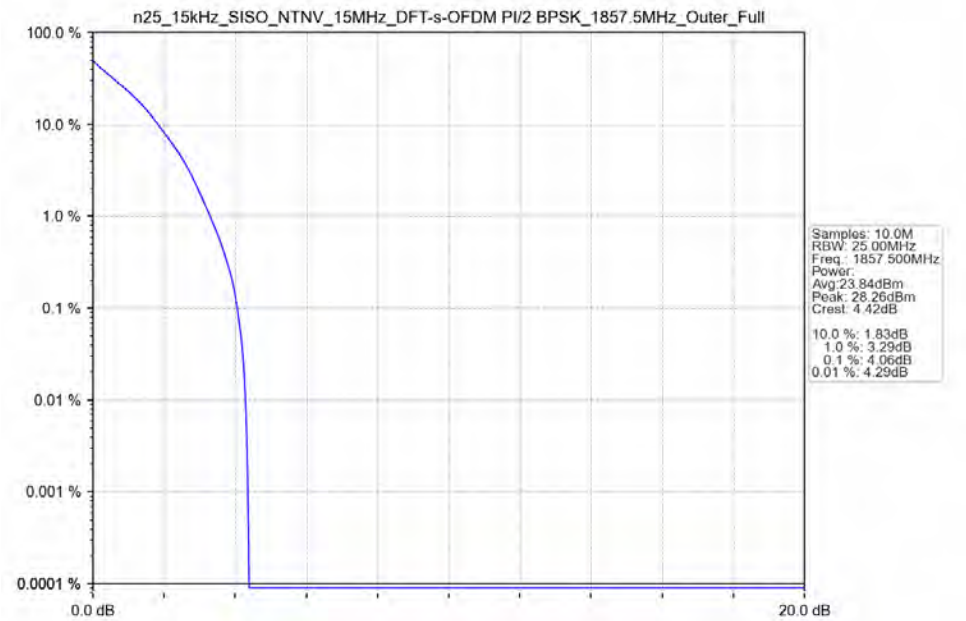

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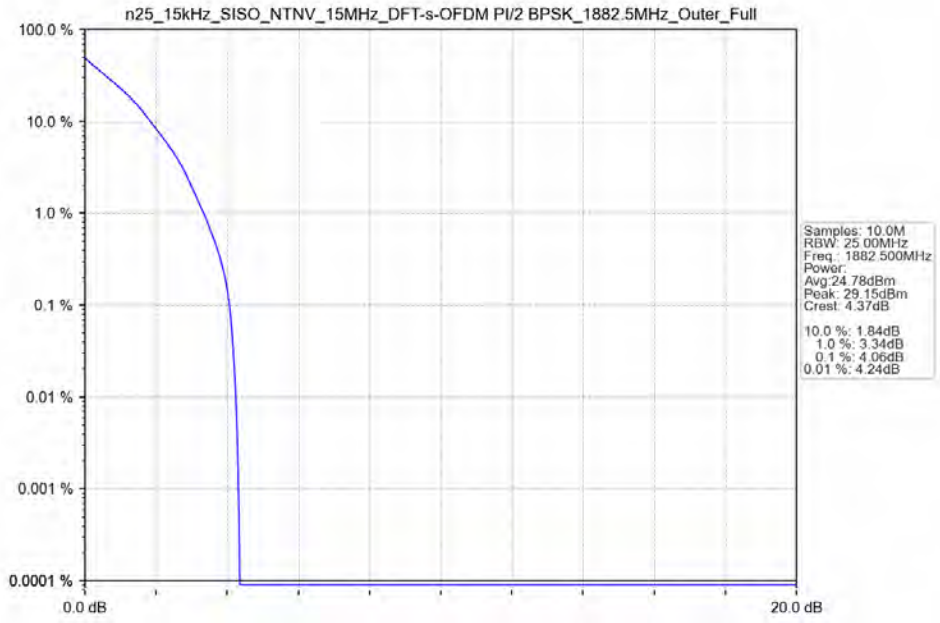

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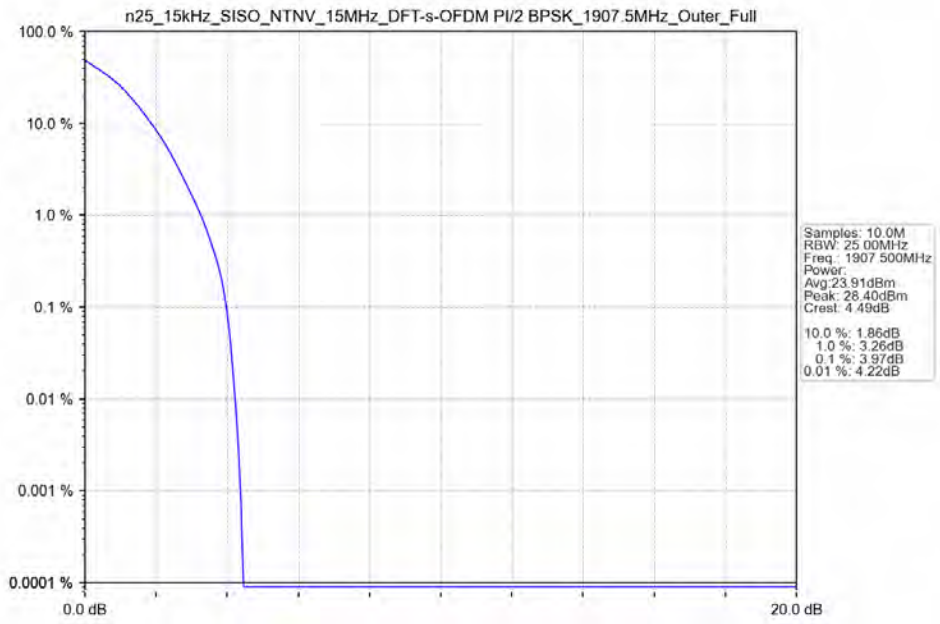

n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1857.5MHz_Outer_Full

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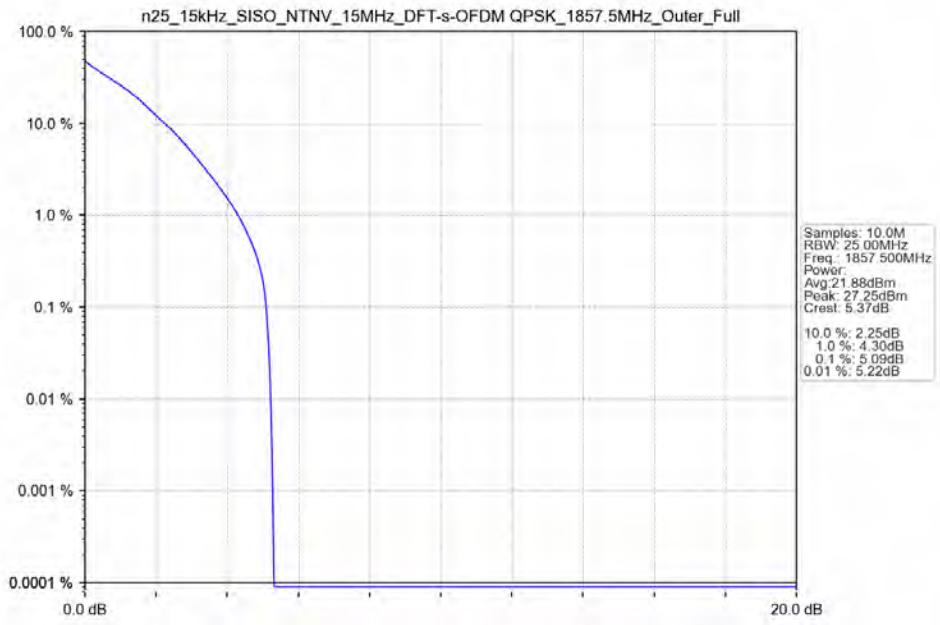

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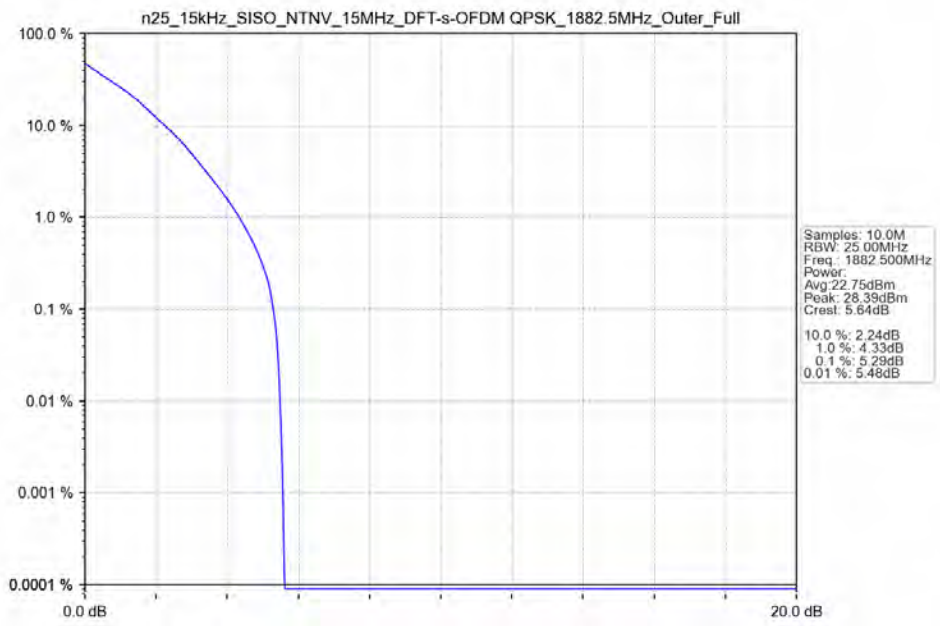
n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1882.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1907.5MHz_Outer_Full

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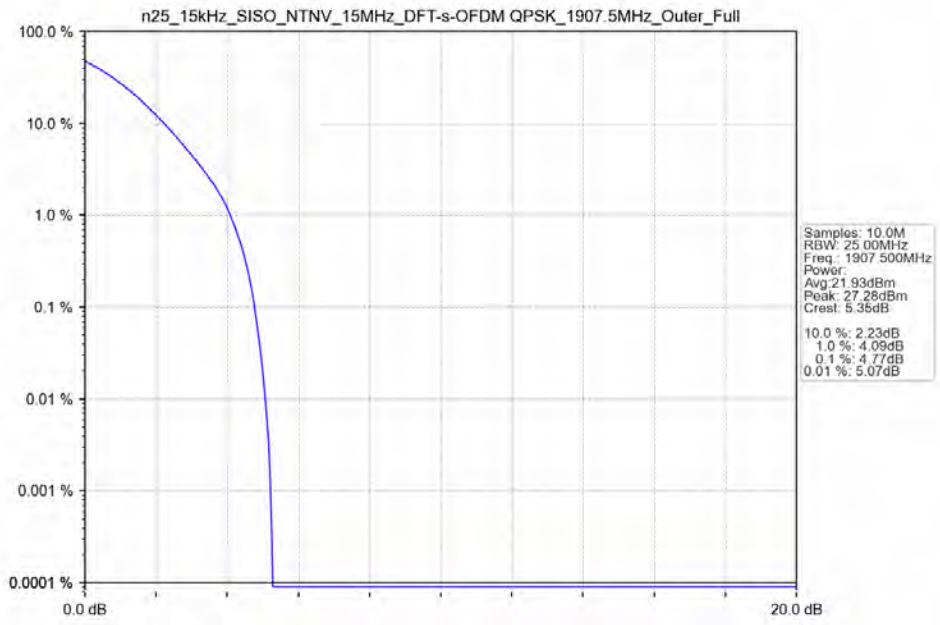

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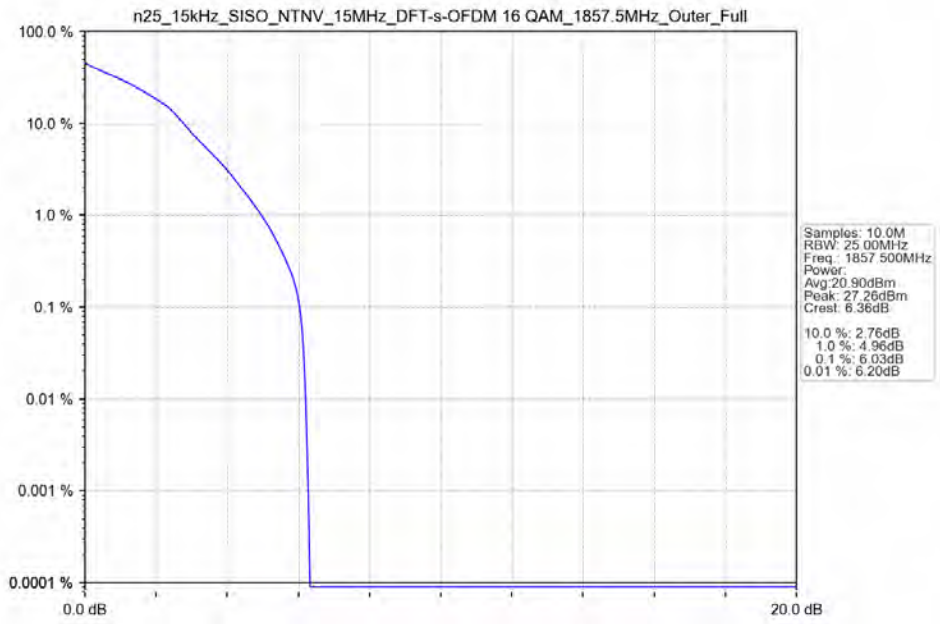
n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_1857.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 16 QAM_1882.5MHz_Outer_Full

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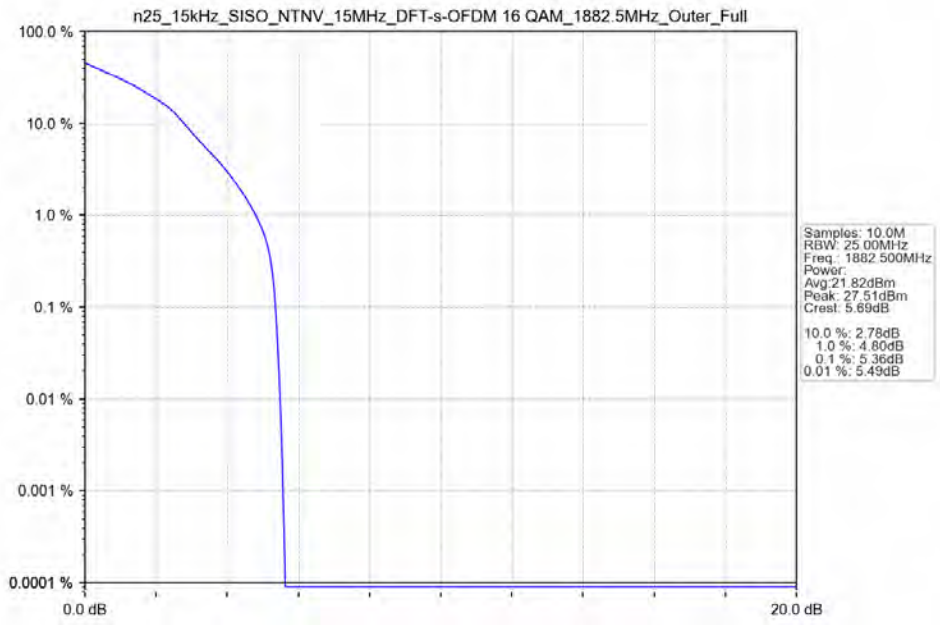

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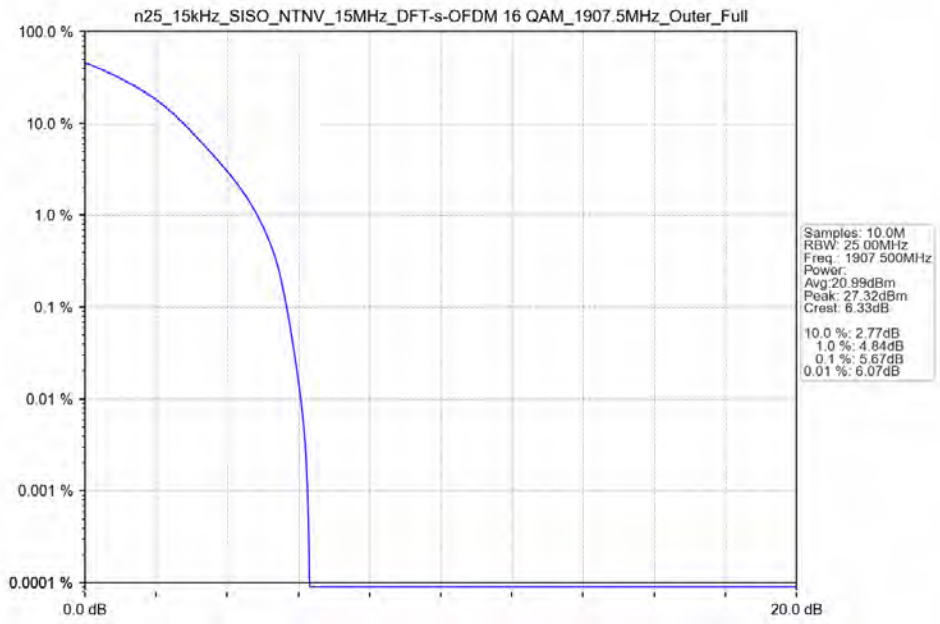

n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM 64 QAM_1857.5MHz_Outer_Full

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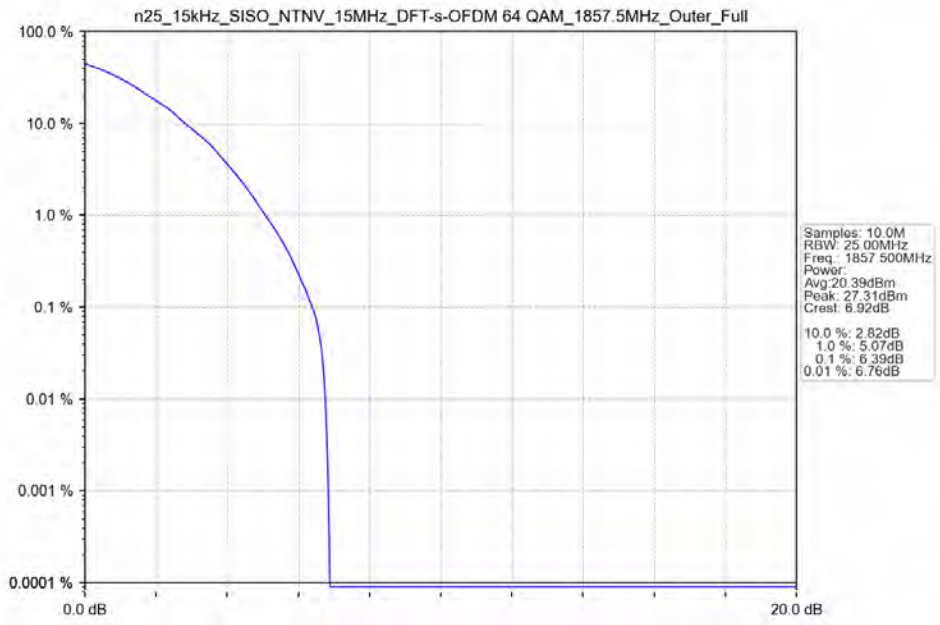

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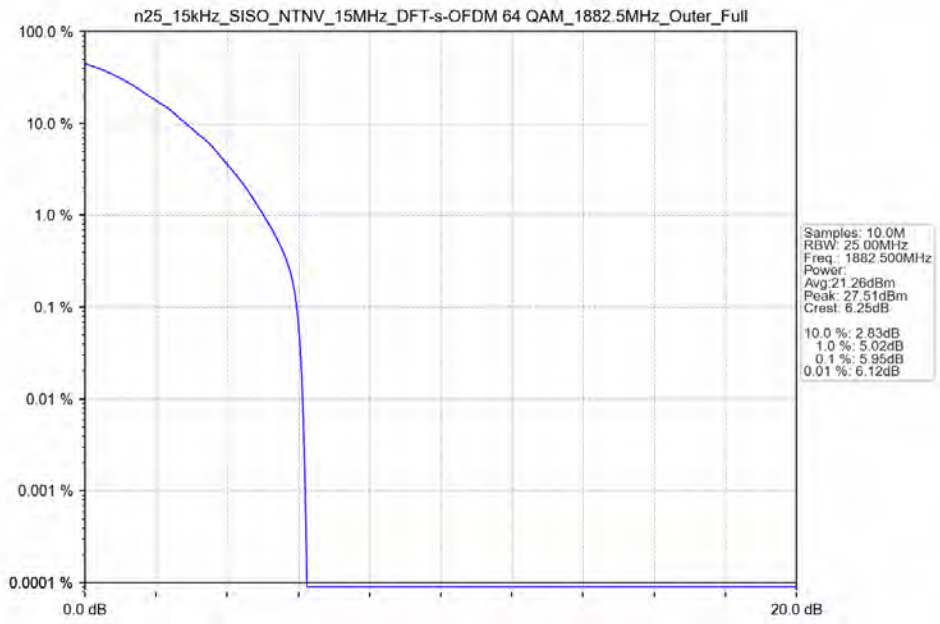

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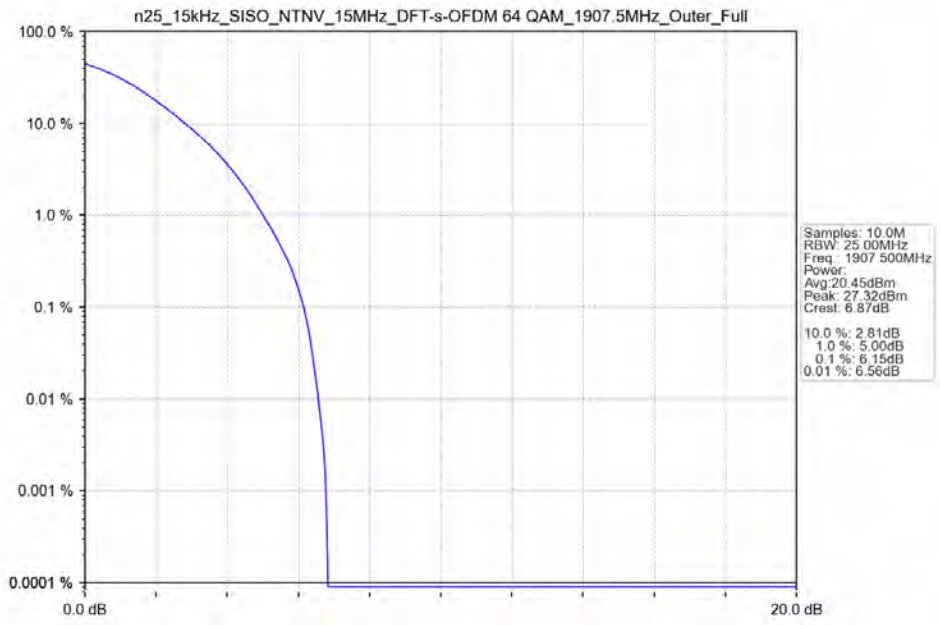

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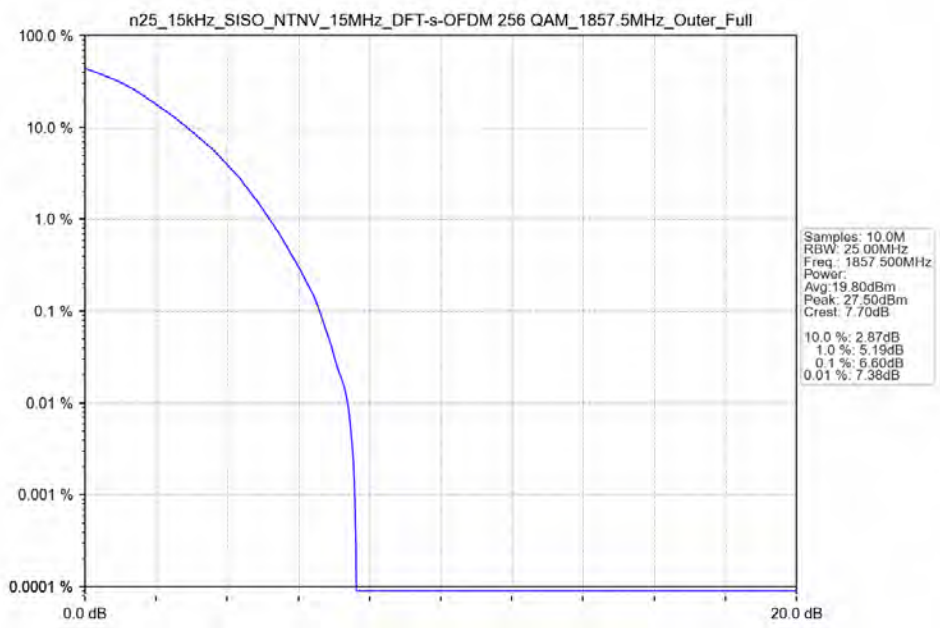

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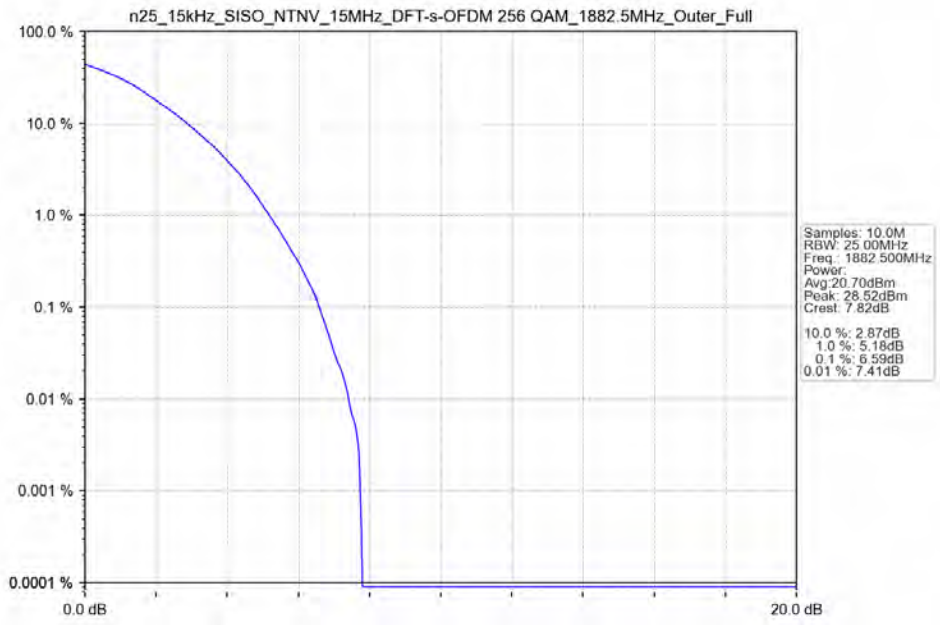

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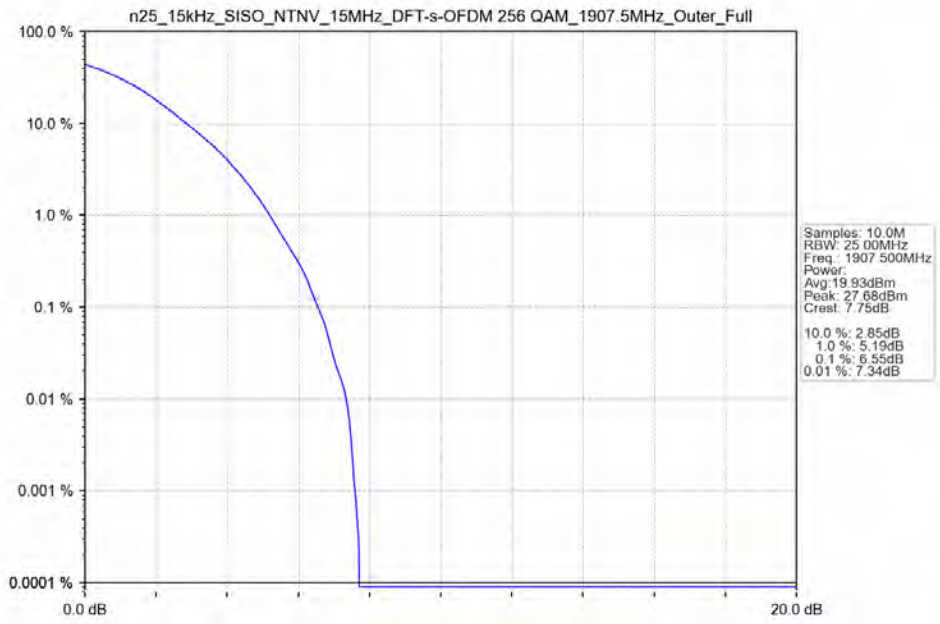

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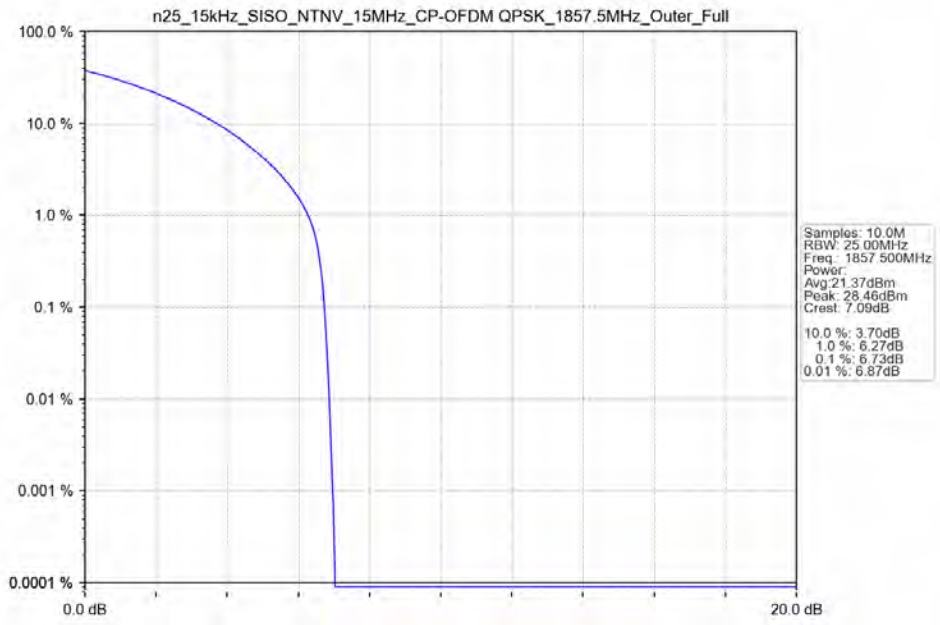

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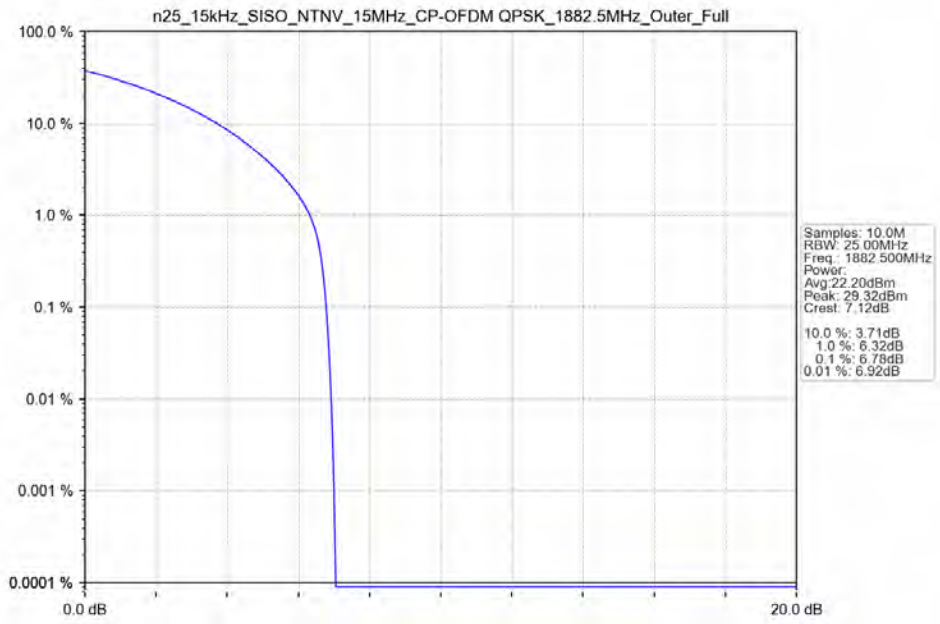
n25_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_1882.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_1907.5MHz_Outer_Full

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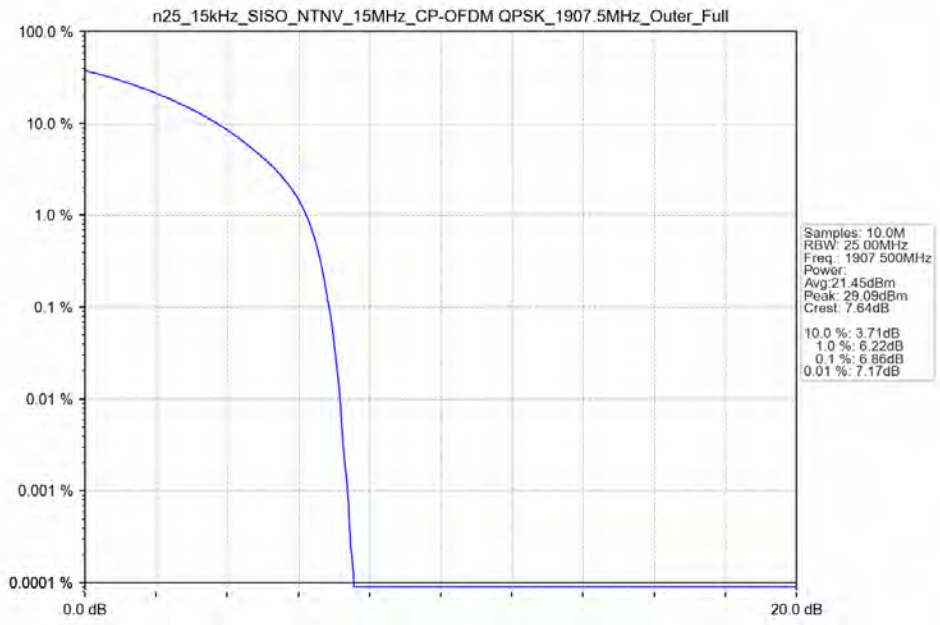

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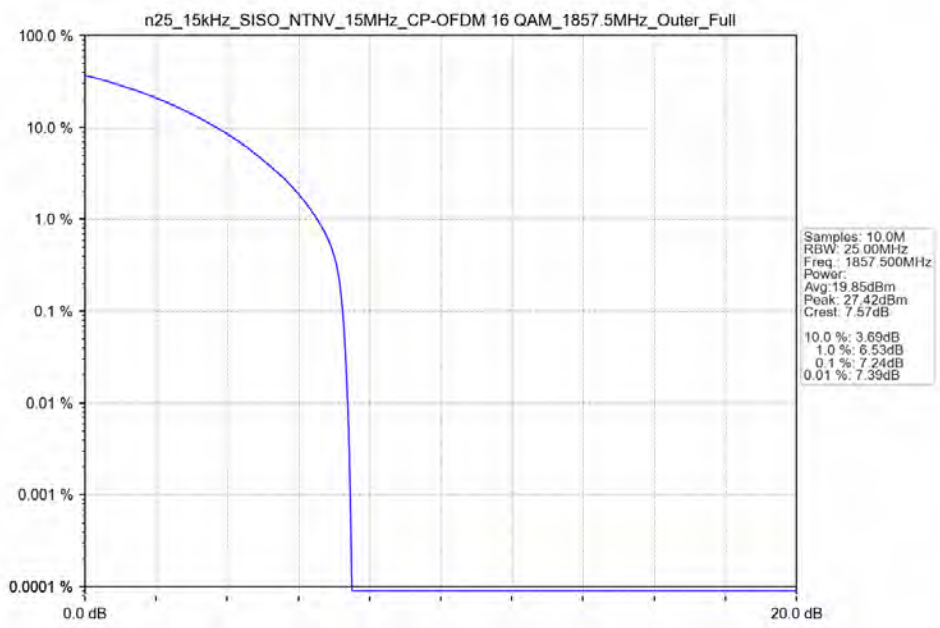
n25_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_1857.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_1882.5MHz_Outer_Full

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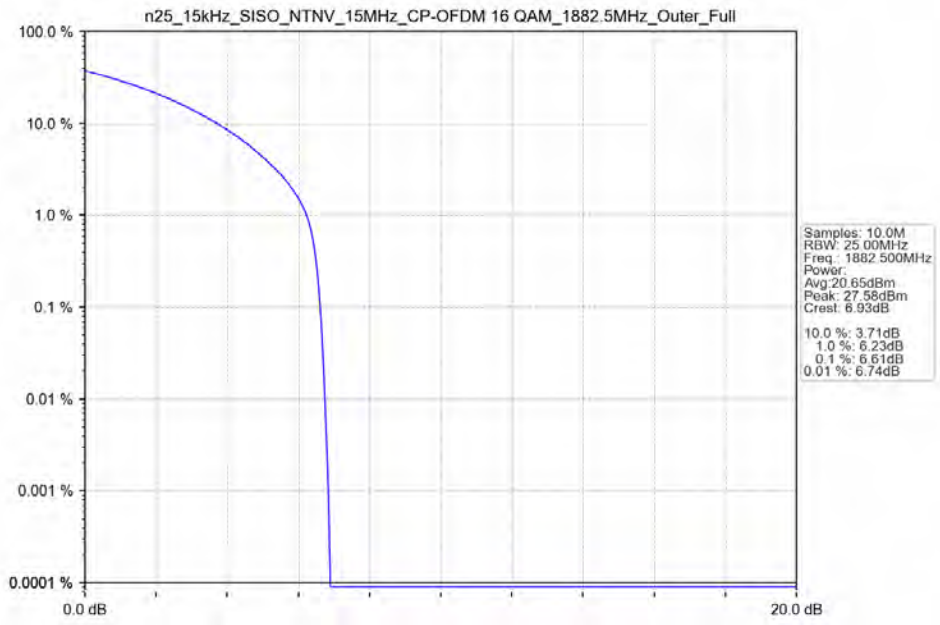

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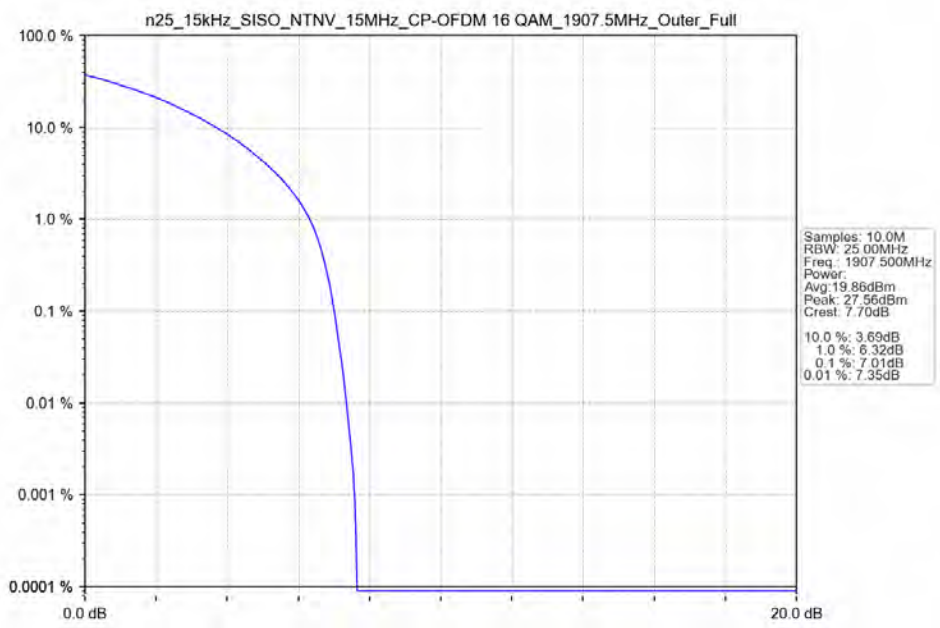

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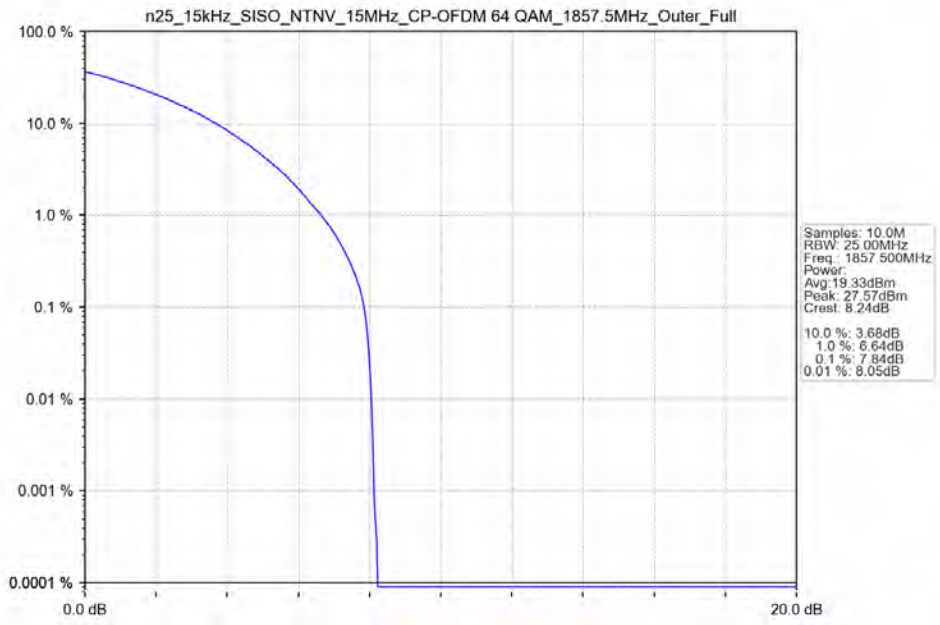

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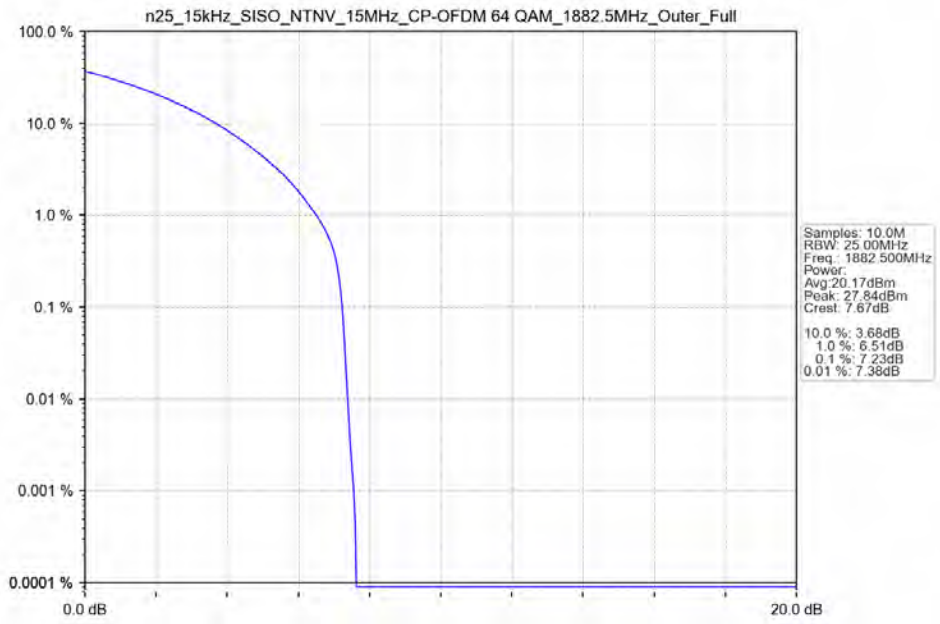

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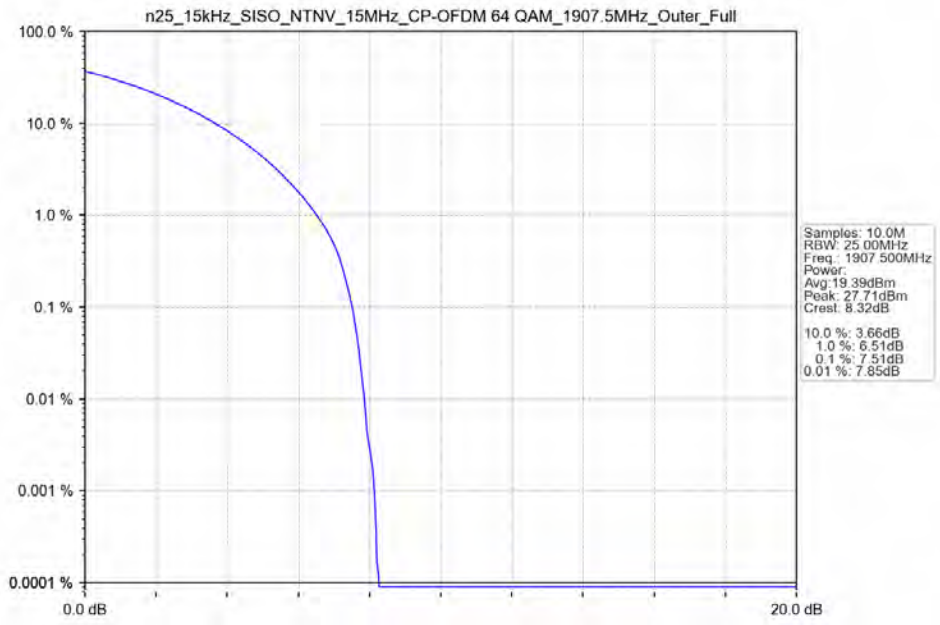

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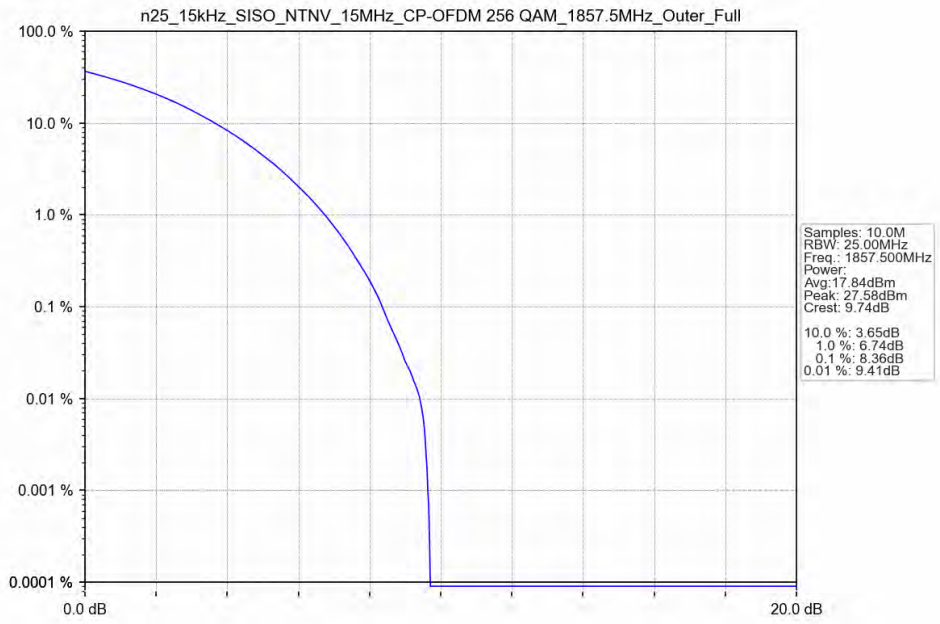

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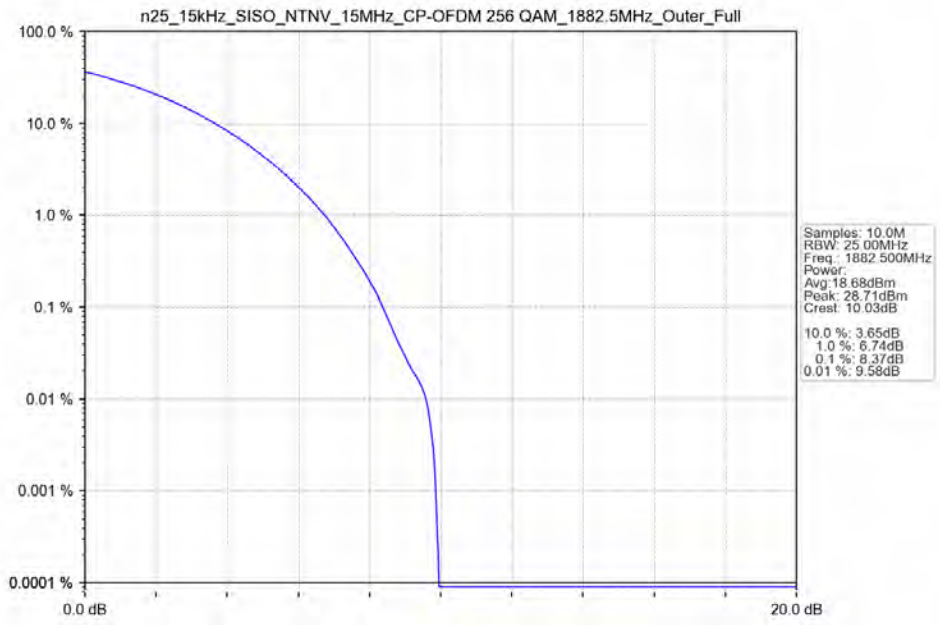

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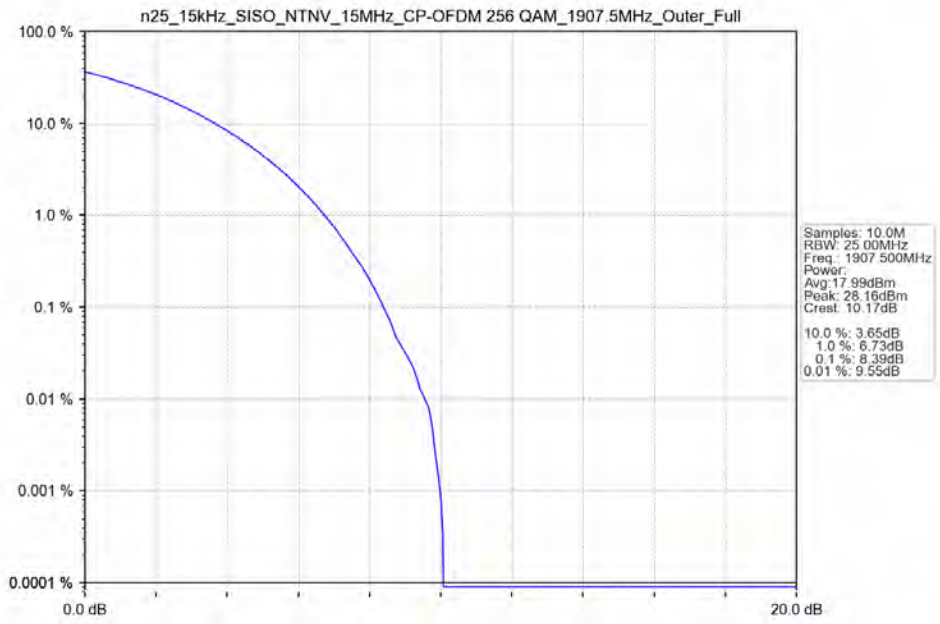

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4.4 15k_SISO_20MHz_NTNV

4.4.1 Test Result

5G NR n25 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	1860	Outer_Full	3.86	/	/	<=13	Pass
	1882.5	Outer_Full	4.02	/	/	<=13	Pass
	1905	Outer_Full	4.11	/	/	<=13	Pass
DFT-s-OFDM QPSK	1860	Outer_Full	4.88	/	/	<=13	Pass
	1882.5	Outer_Full	5.28	/	/	<=13	Pass
	1905	Outer_Full	5.38	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1860	Outer_Full	5.91	/	/	<=13	Pass
	1882.5	Outer_Full	6.18	/	/	<=13	Pass
	1905	Outer_Full	5.79	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1860	Outer_Full	6.28	/	/	<=13	Pass
	1882.5	Outer_Full	5.94	/	/	<=13	Pass
	1905	Outer_Full	6.14	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1860	Outer_Full	6.67	/	/	<=13	Pass
	1882.5	Outer_Full	6.65	/	/	<=13	Pass
	1905	Outer_Full	6.71	/	/	<=13	Pass
CP-OFDM QPSK	1860	Outer_Full	6.53	/	/	<=13	Pass
	1882.5	Outer_Full	6.75	/	/	<=13	Pass
	1905	Outer_Full	6.98	/	/	<=13	Pass
CP-OFDM 16 QAM	1860	Outer_Full	7.07	/	/	<=13	Pass
	1882.5	Outer_Full	6.59	/	/	<=13	Pass
	1905	Outer_Full	7.02	/	/	<=13	Pass
CP-OFDM 64 QAM	1860	Outer_Full	7.45	/	/	<=13	Pass
	1882.5	Outer_Full	7.01	/	/	<=13	Pass
	1905	Outer_Full	7.40	/	/	<=13	Pass
CP-OFDM 256 QAM	1860	Outer_Full	8.47	/	/	<=13	Pass
	1882.5	Outer_Full	8.40	/	/	<=13	Pass
	1905	Outer_Full	8.40	/	/	<=13	Pass

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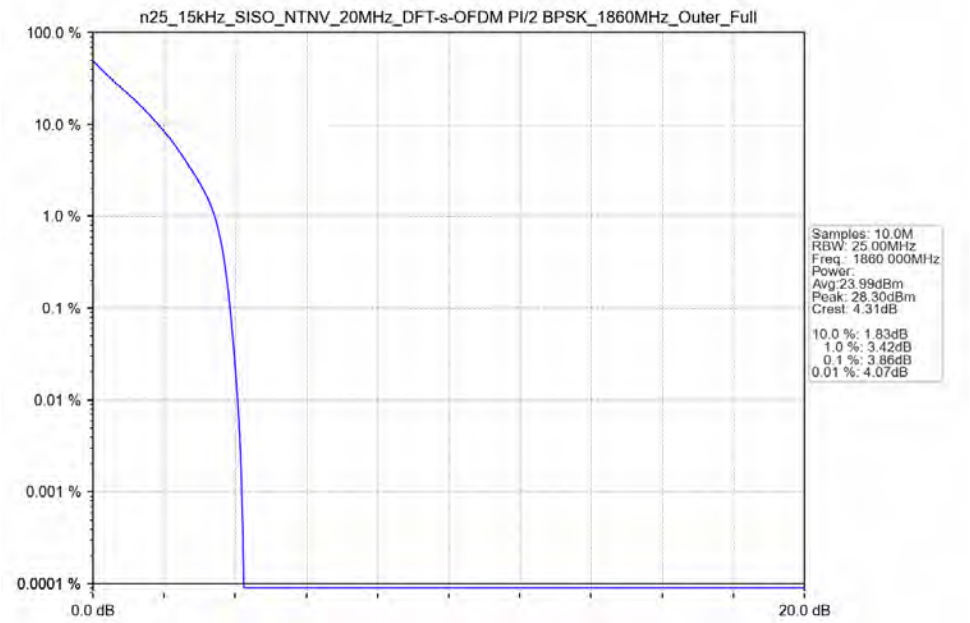
4.4.2 Test Graph

n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_1860MHz_Outer_Full



n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_1882.5MHz_Outer_Full

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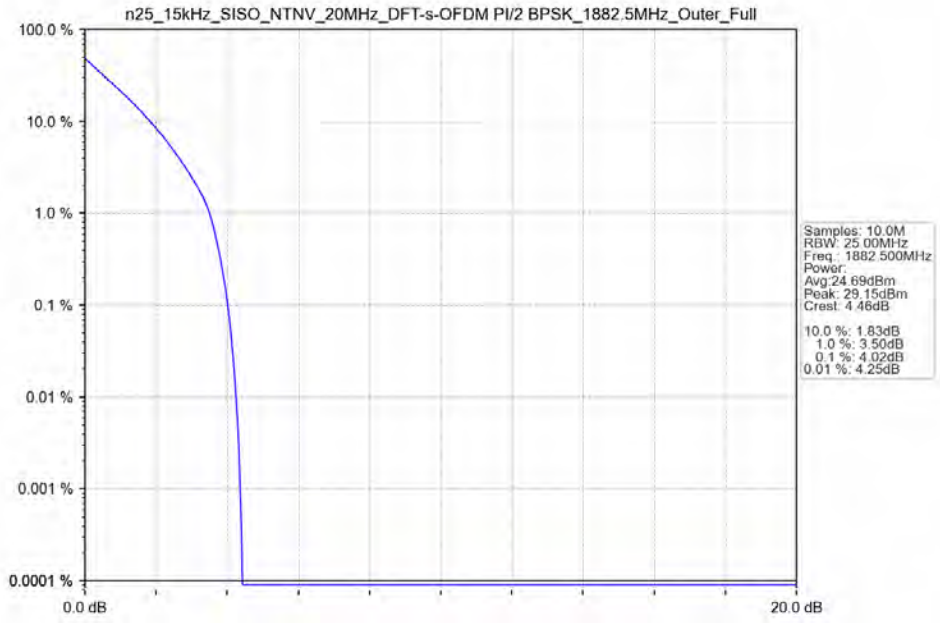

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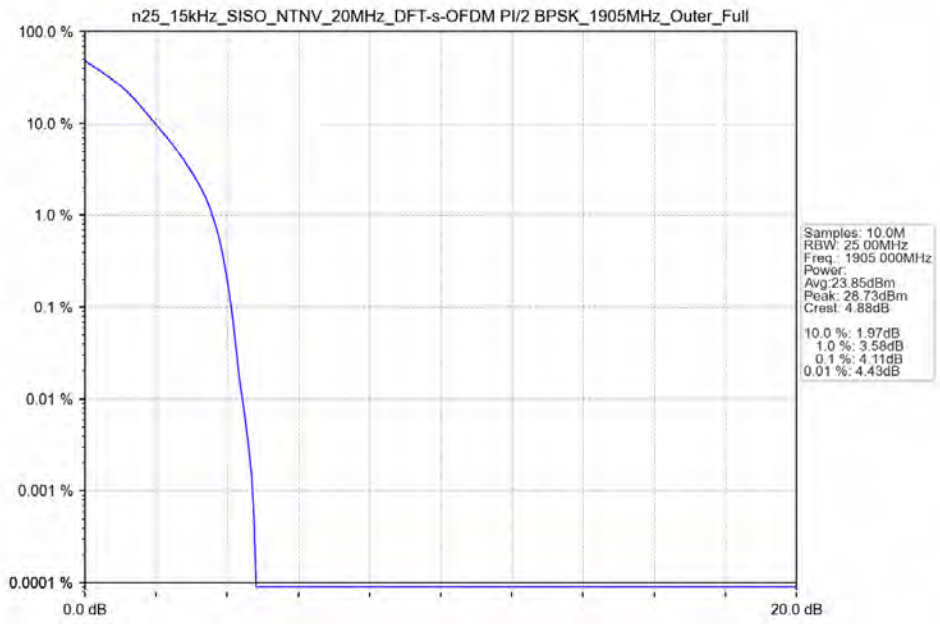
n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_1905MHz_Outer_Full



n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_1860MHz_Outer_Full

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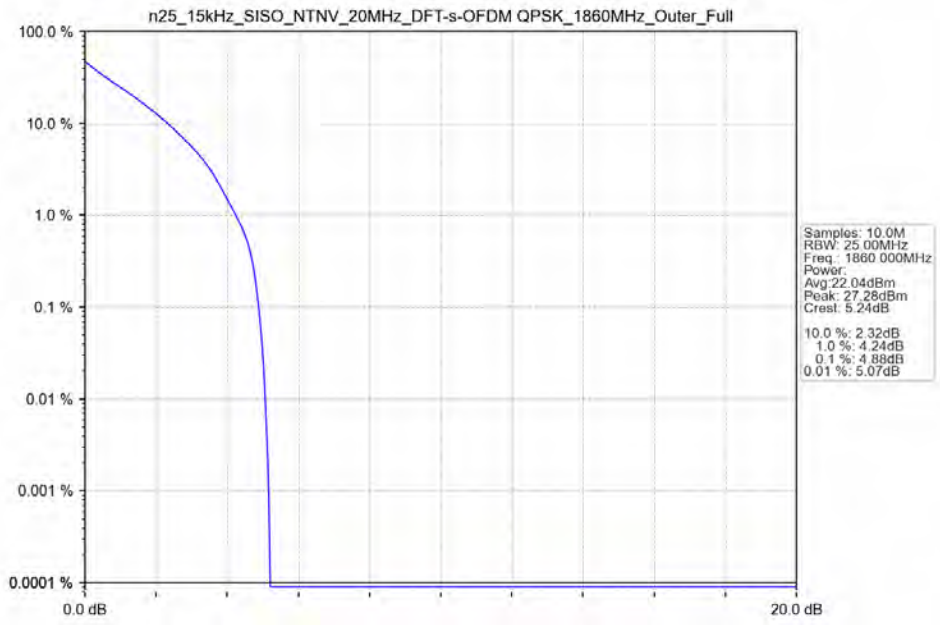

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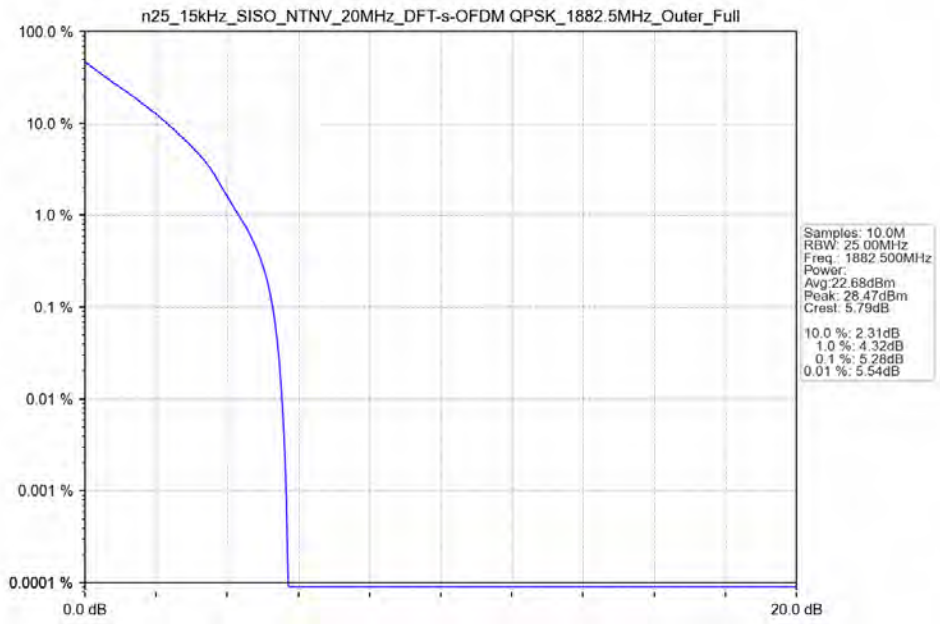
n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_1882.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_1905MHz_Outer_Full

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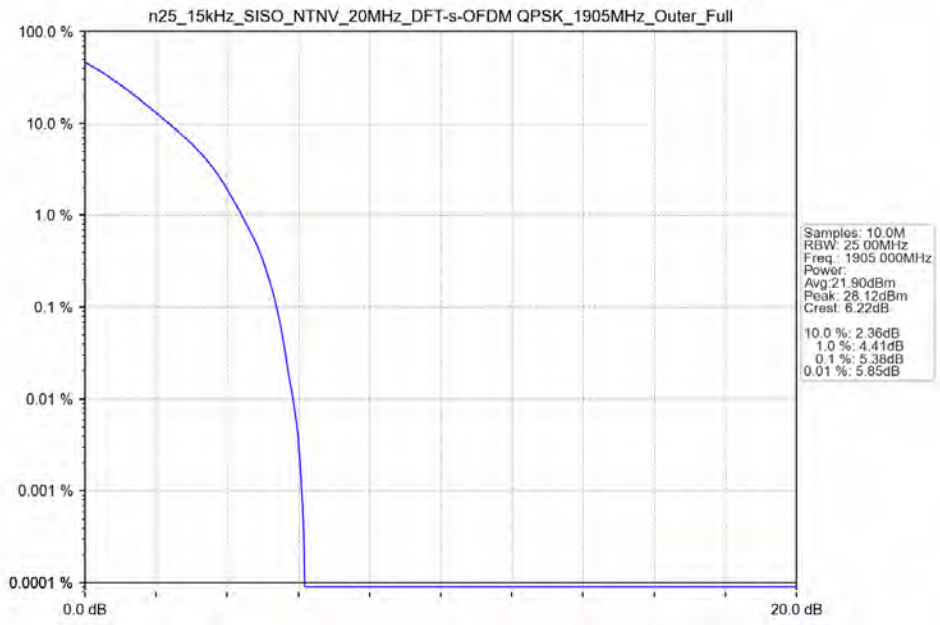

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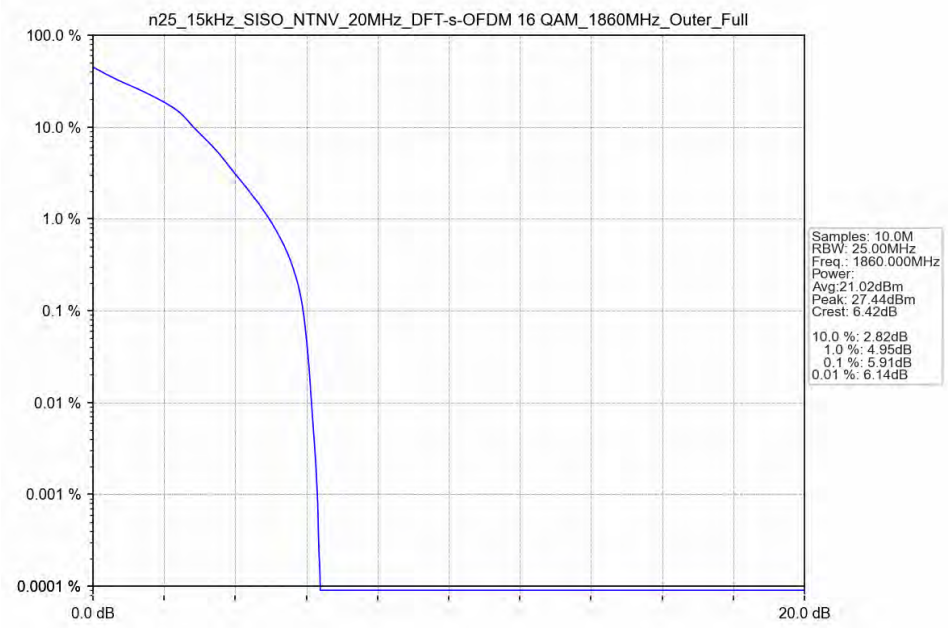
n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_1860MHz_Outer_Full



n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_1882.5MHz_Outer_Full

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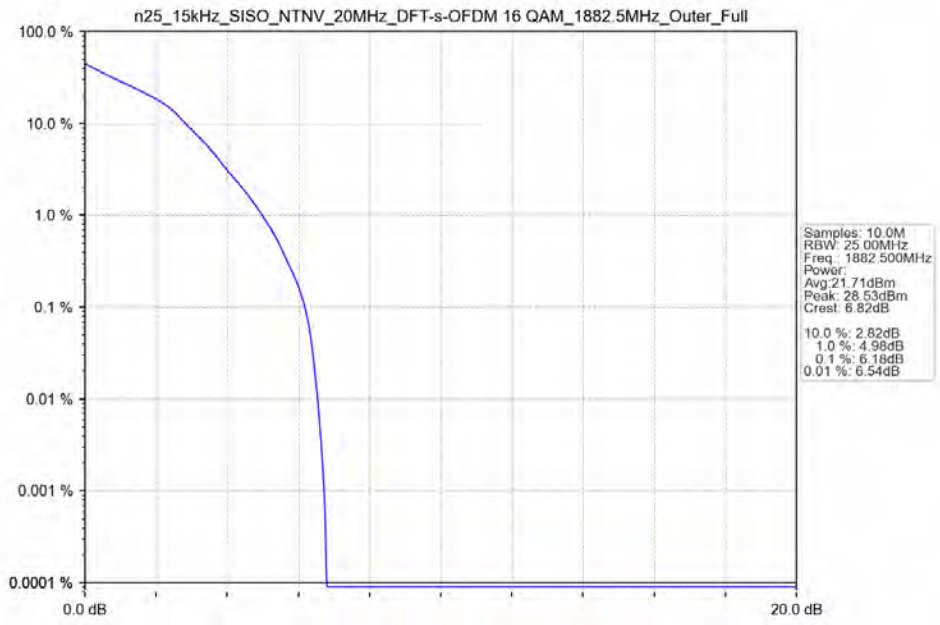

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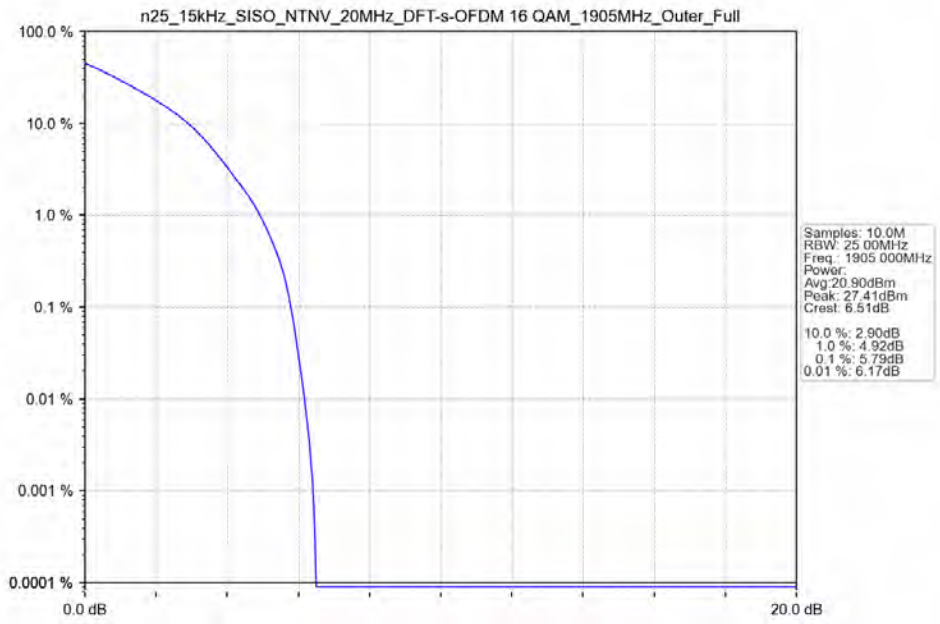
n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_1905MHz_Outer_Full



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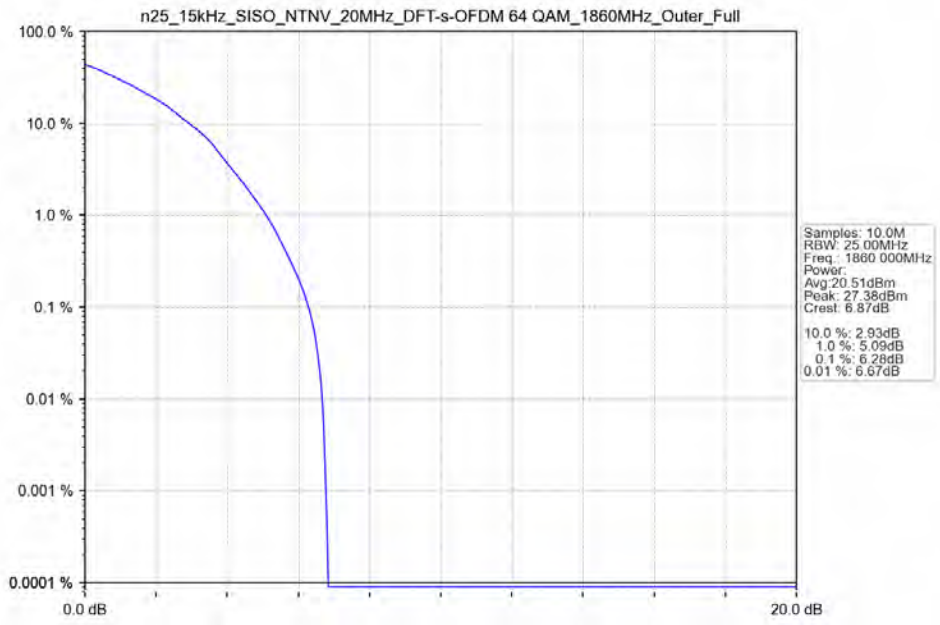

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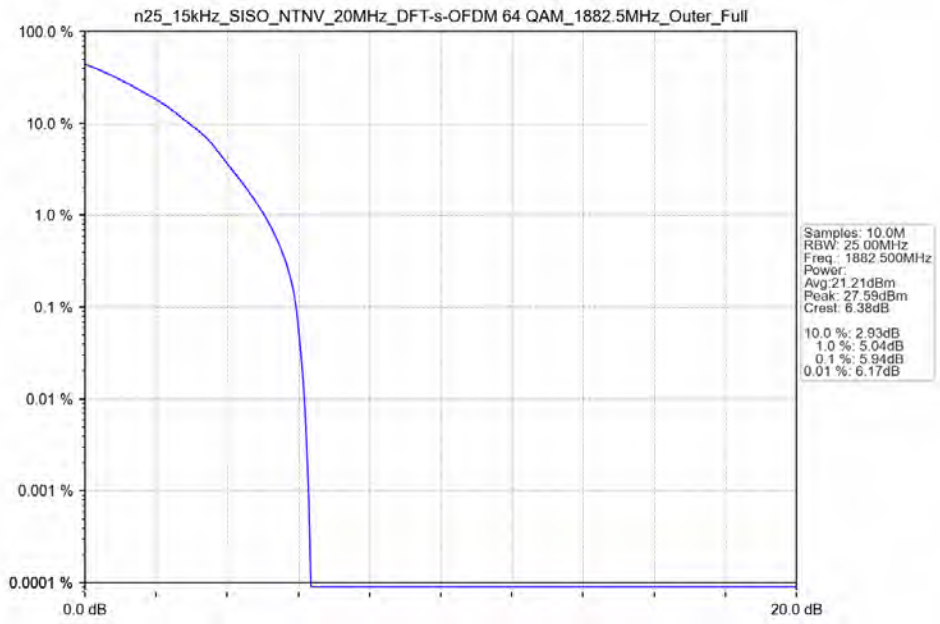
n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_1882.5MHz_Outer_Full



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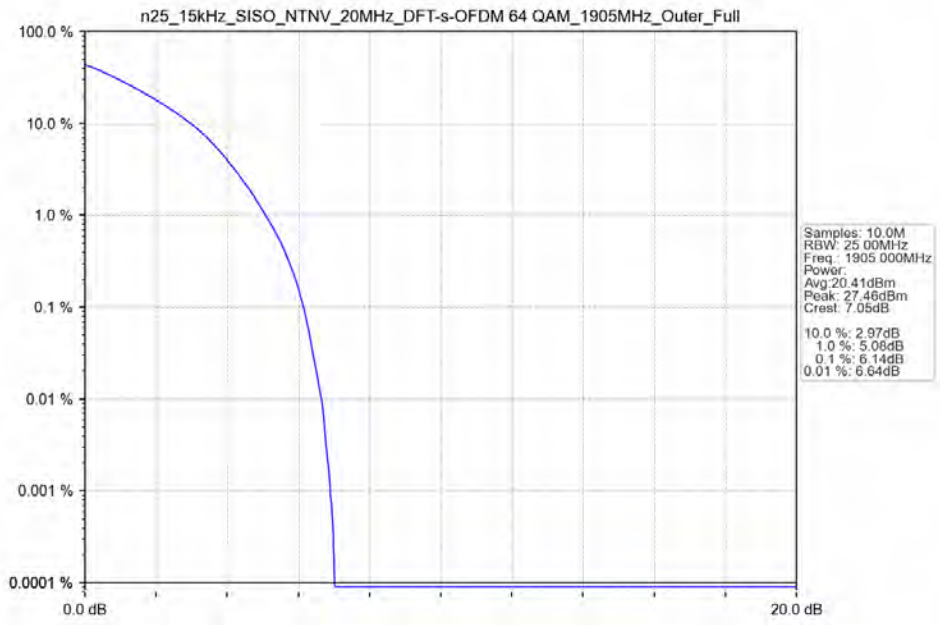

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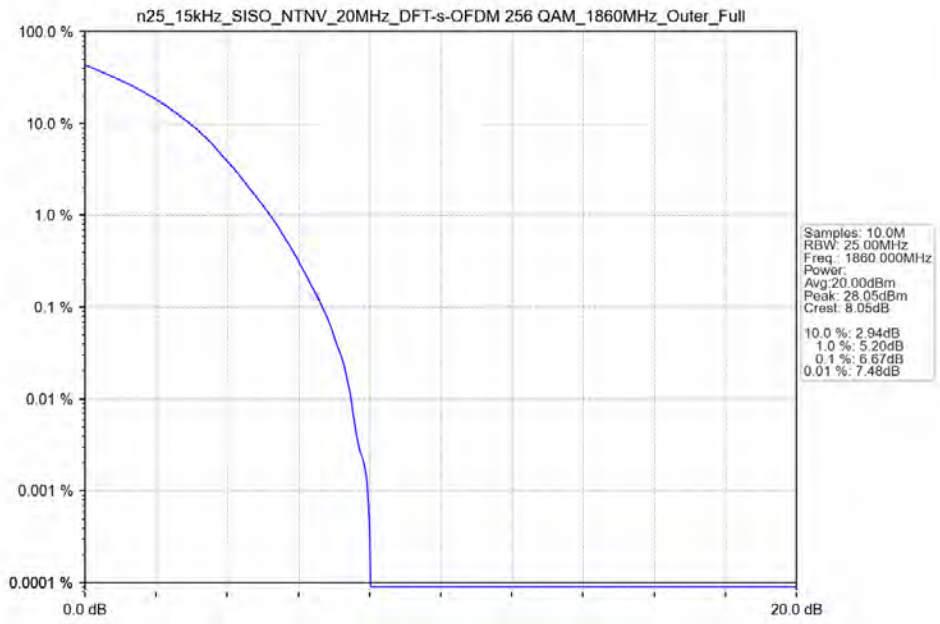
n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_1860MHz_Outer_Full



n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_1882.5MHz_Outer_Full

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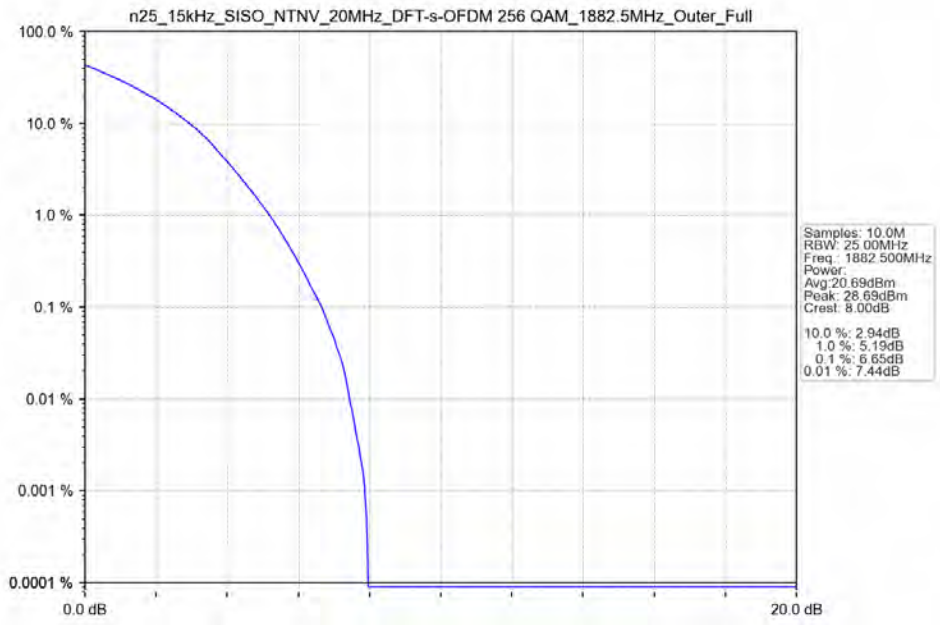

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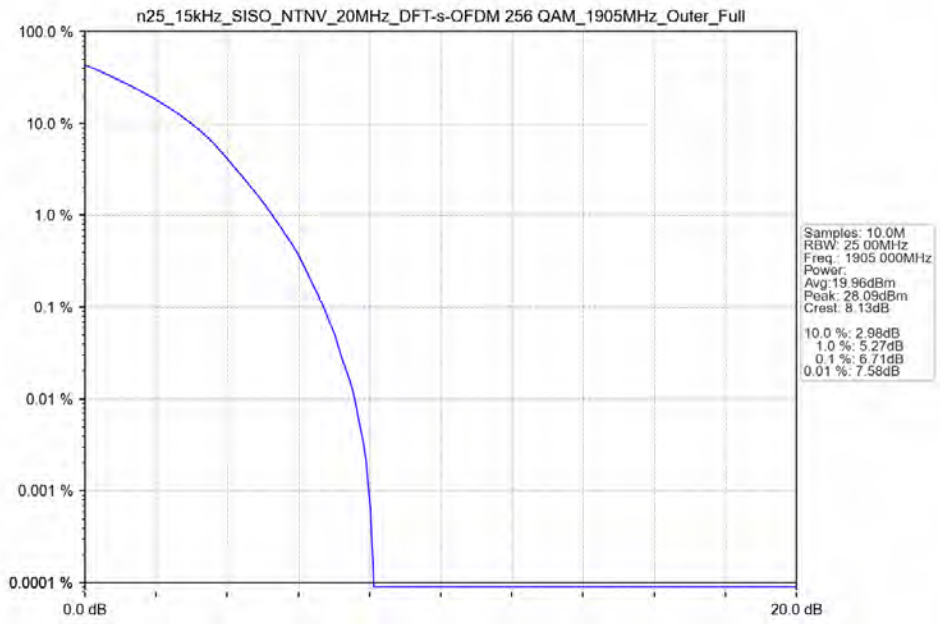

n25_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_1860MHz_Outer_Full

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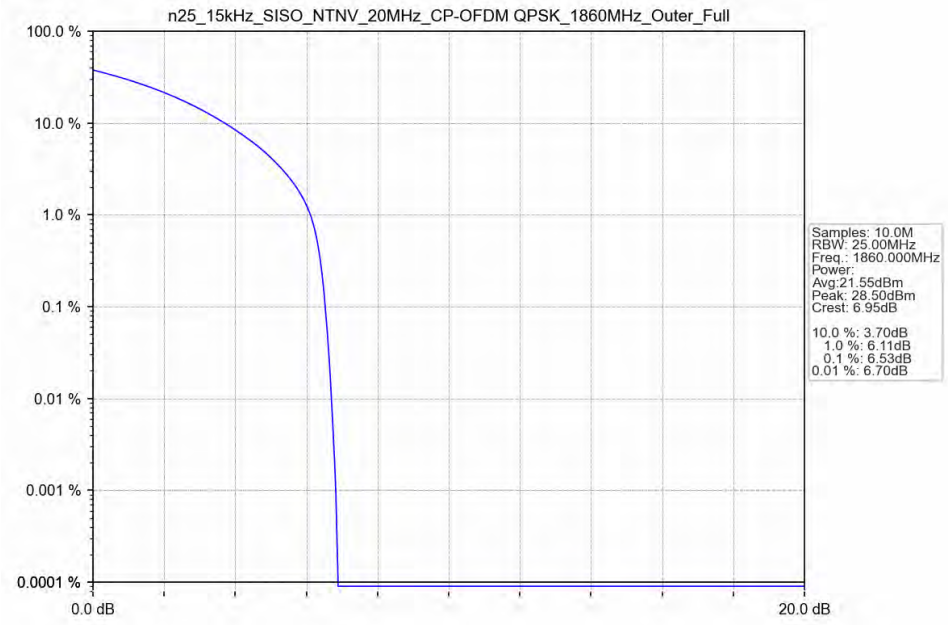

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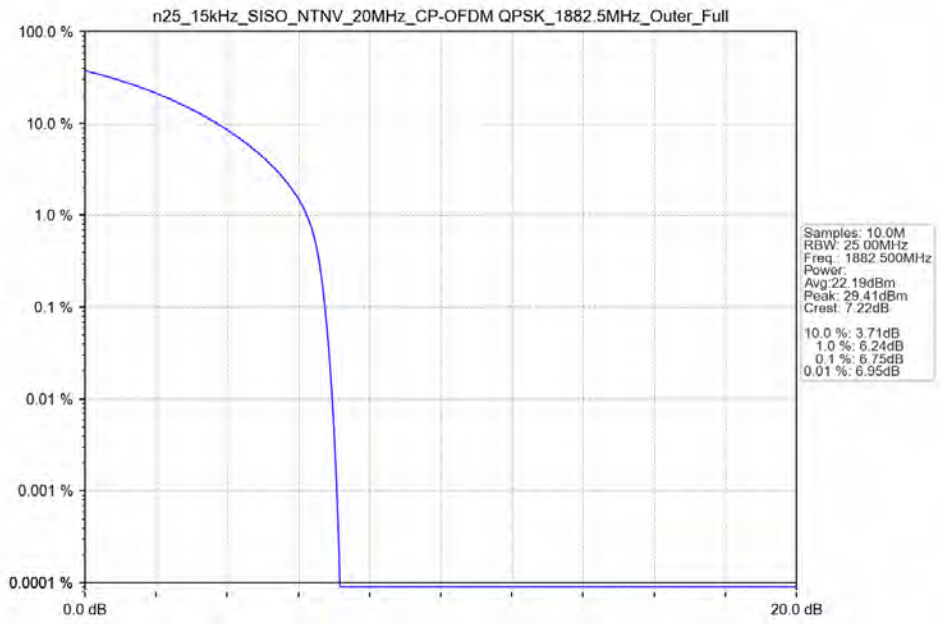

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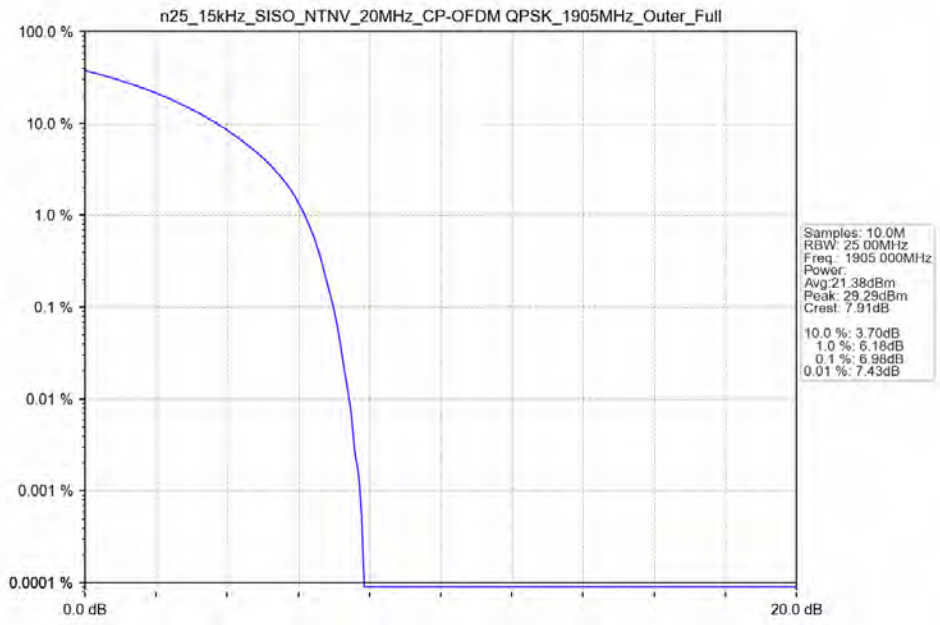

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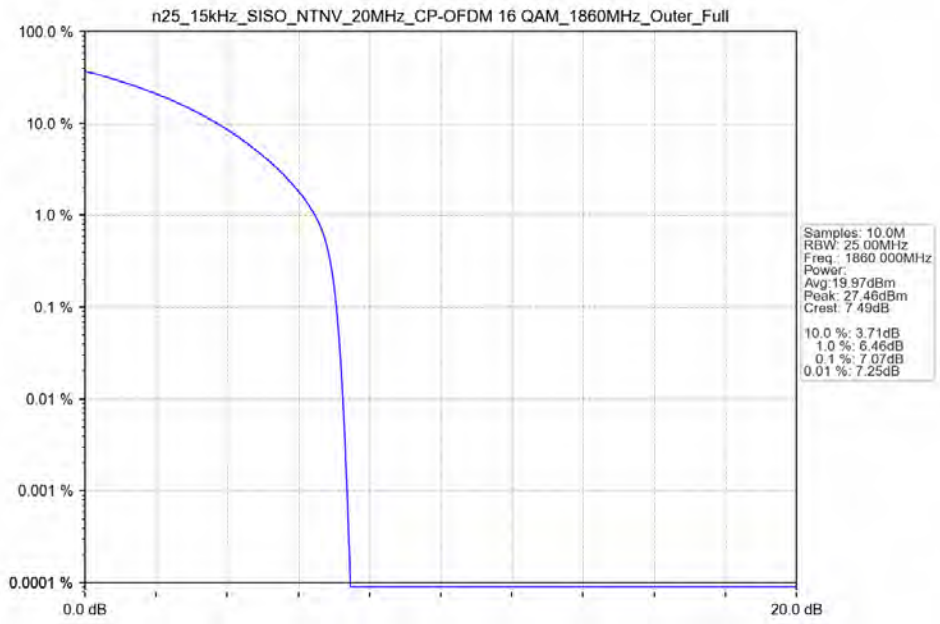

n25_15kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_1882.5MHz_Outer_Full

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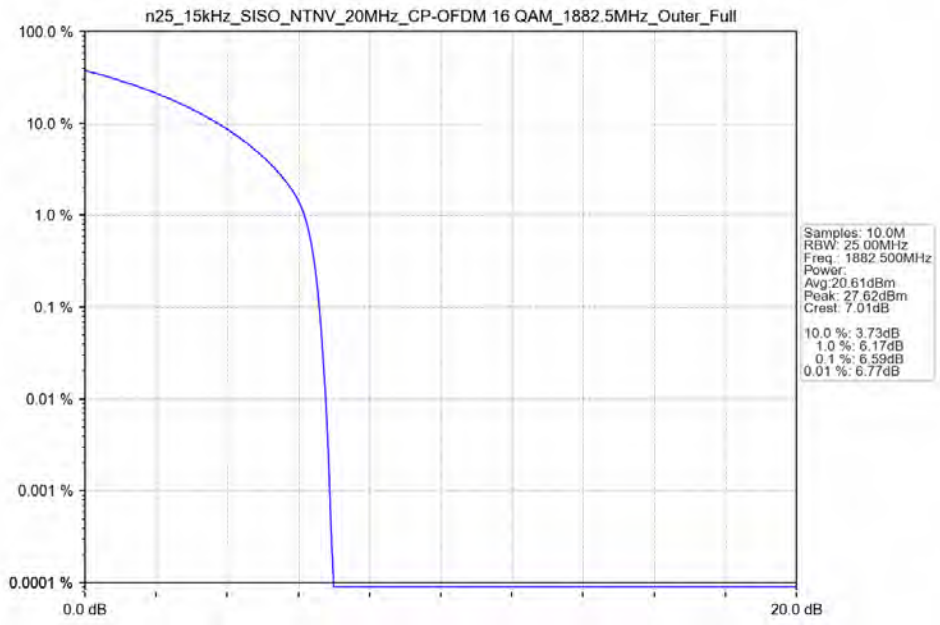

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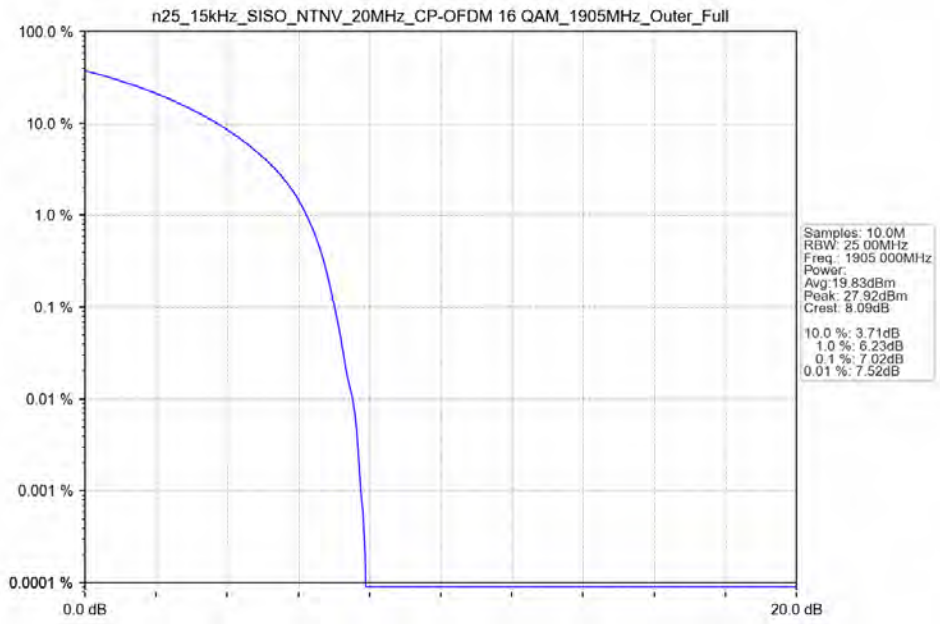

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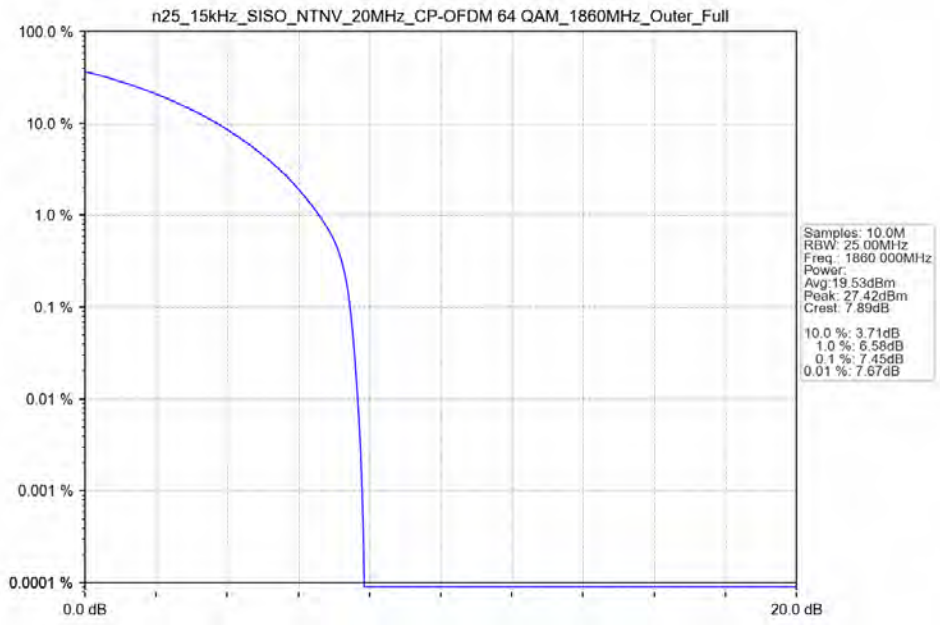

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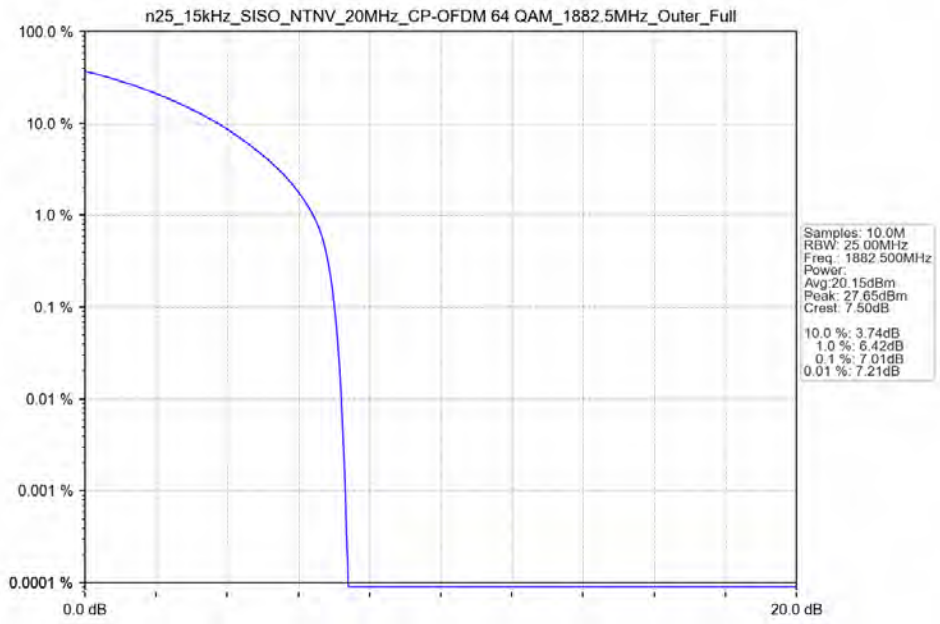

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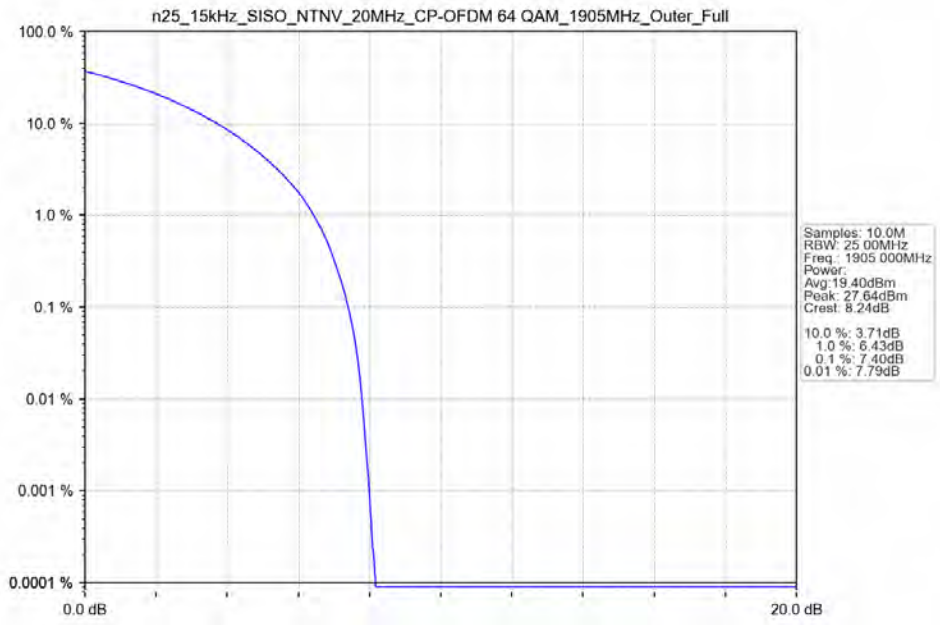

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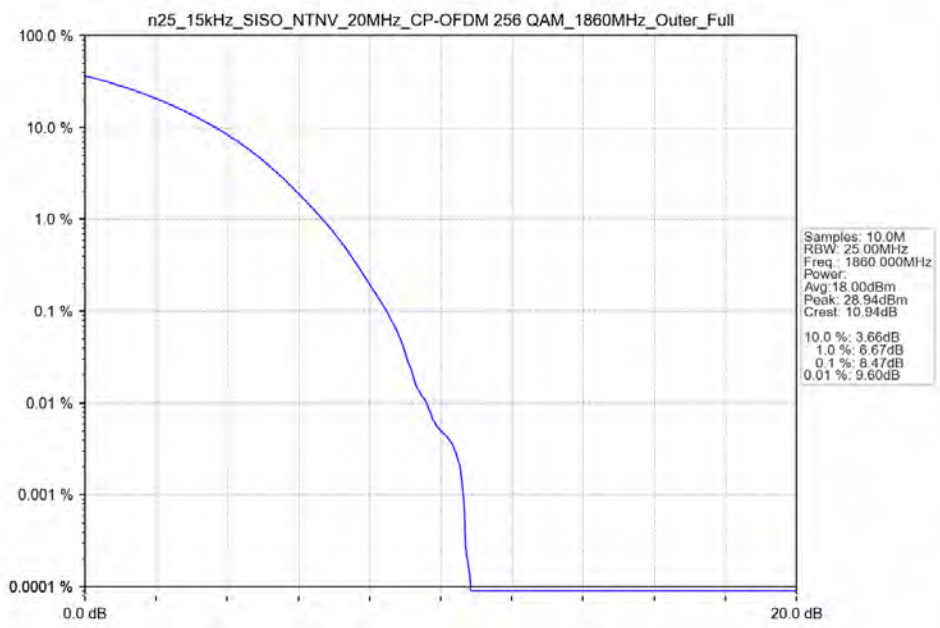

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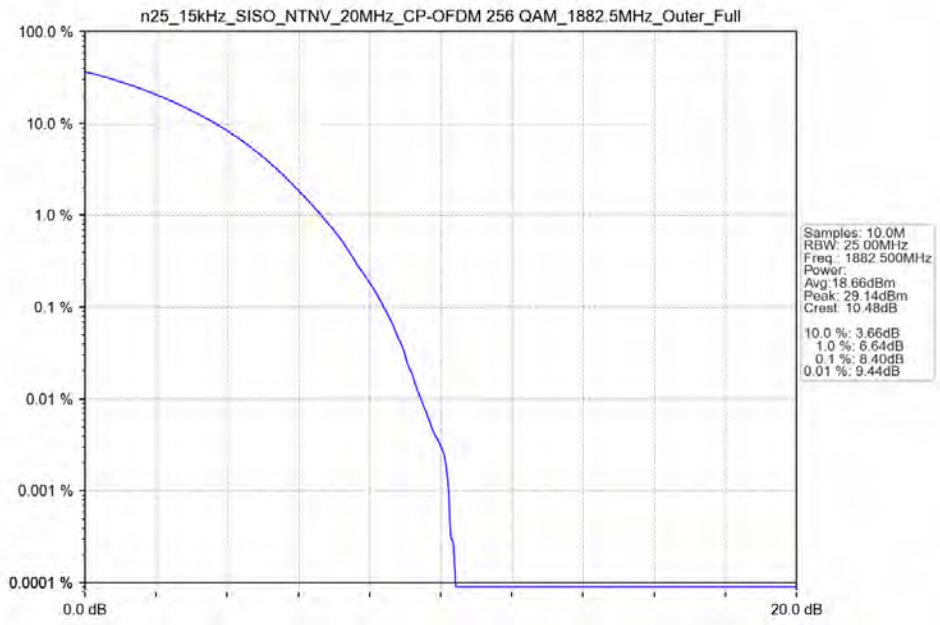

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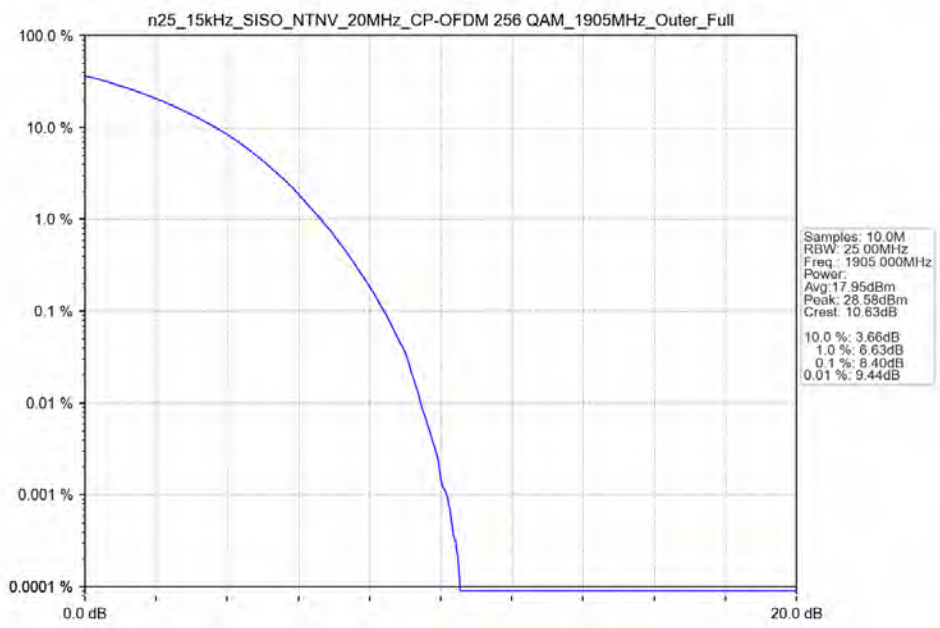
n25_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_1905MHz_Outer_Full



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5. Spurious Emission & Band Edges

5.1 15k_SISO_5MHz_NTNV

5.1.1 Test Result

5G NR n25 SCS=15kHz SISO 5MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1852.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	1882.5	Edge_1RB_Left	Refer To Test Graph				Pass
	1912.5	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	1852.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	1882.5	Edge_1RB_Left	Refer To Test Graph				Pass
	1912.5	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	1852.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	1882.5	Edge_1RB_Left	Refer To Test Graph				Pass
	1912.5	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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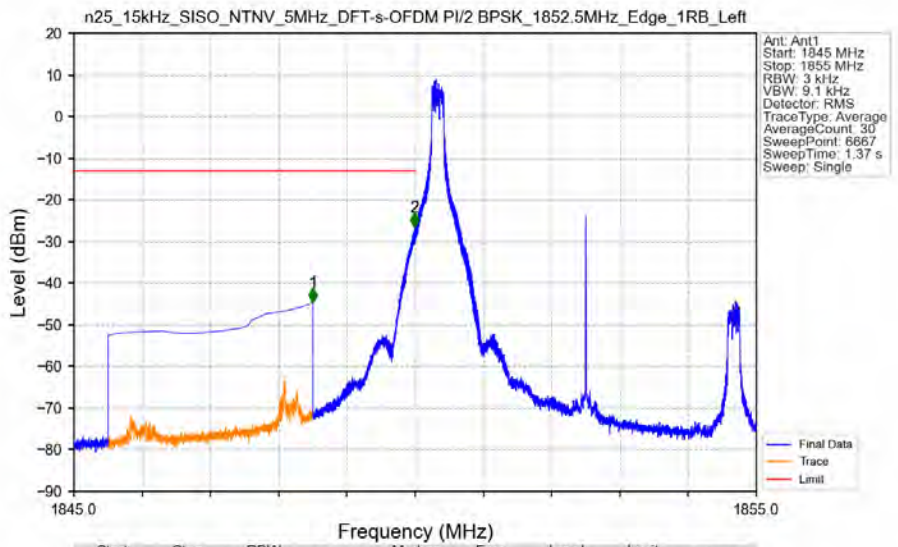
5.1.2 Test Graph

n25_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1852.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-44.63	-13	Pass
1849	1850	0.003	/	2	1849.992	-26.60	-13	Pass
1850	1855	0.003	/	/	/	/	/	/

n25_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1852.5MHz_Edge_1RB_Left

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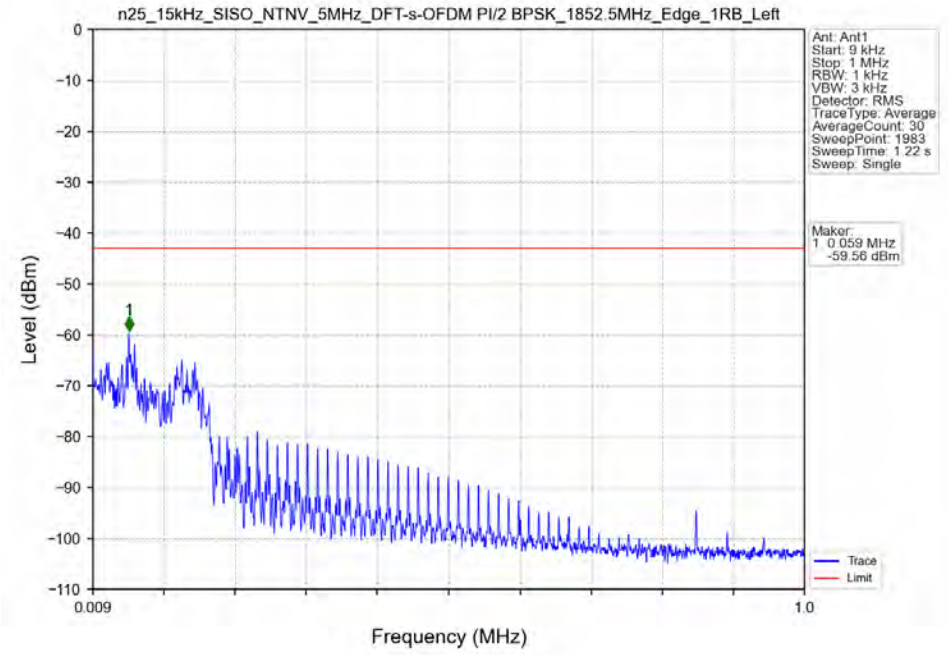

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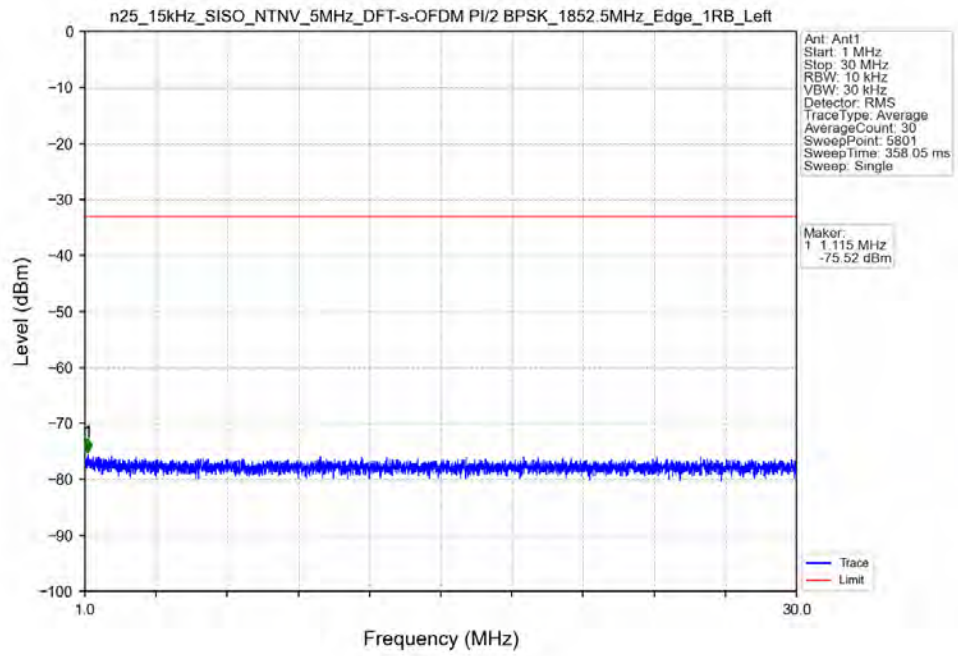

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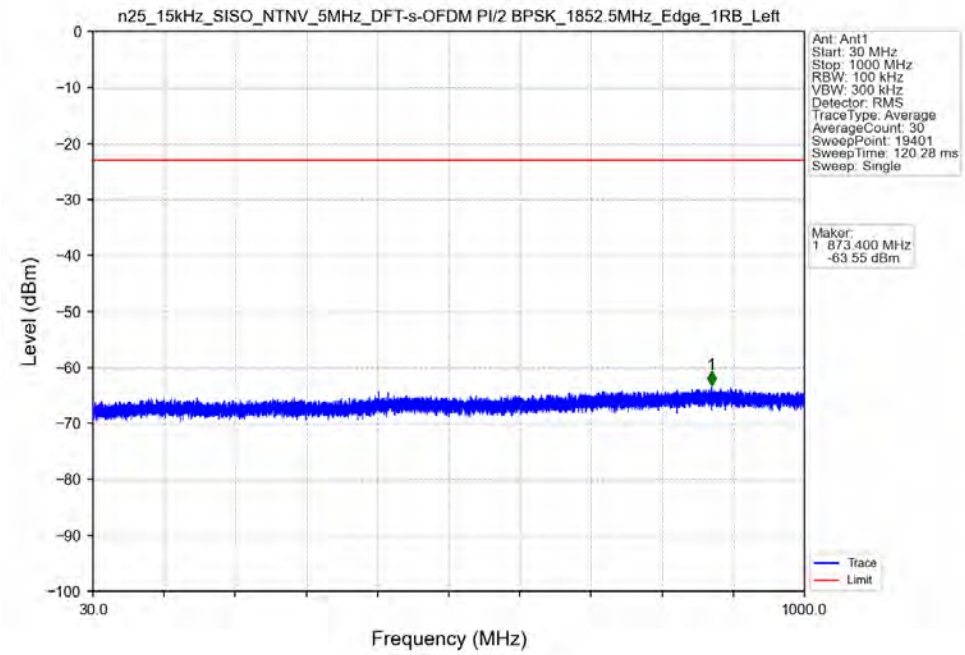

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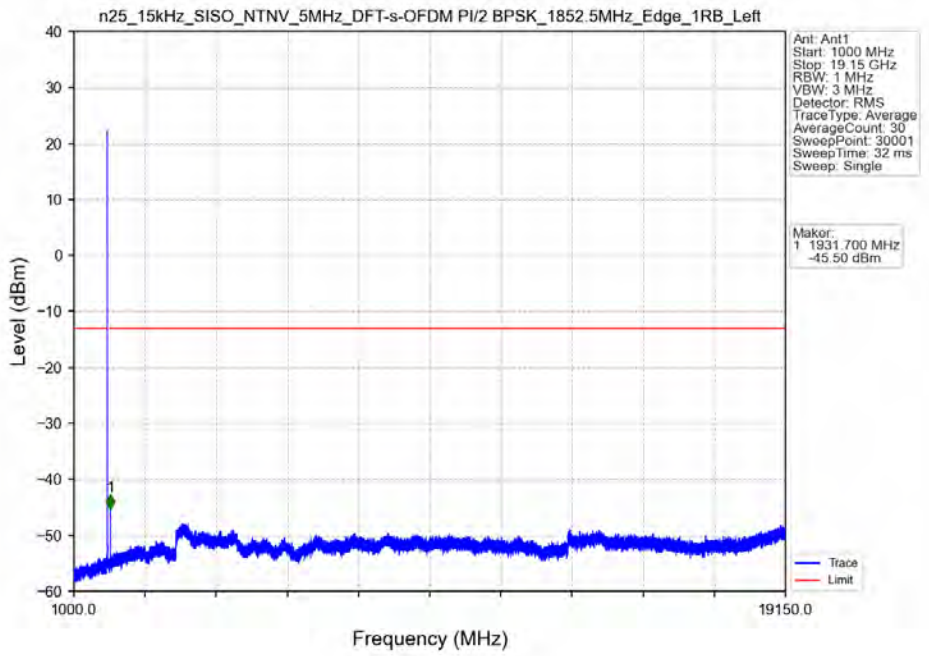

n25_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1852.5MHz_Outer_Full

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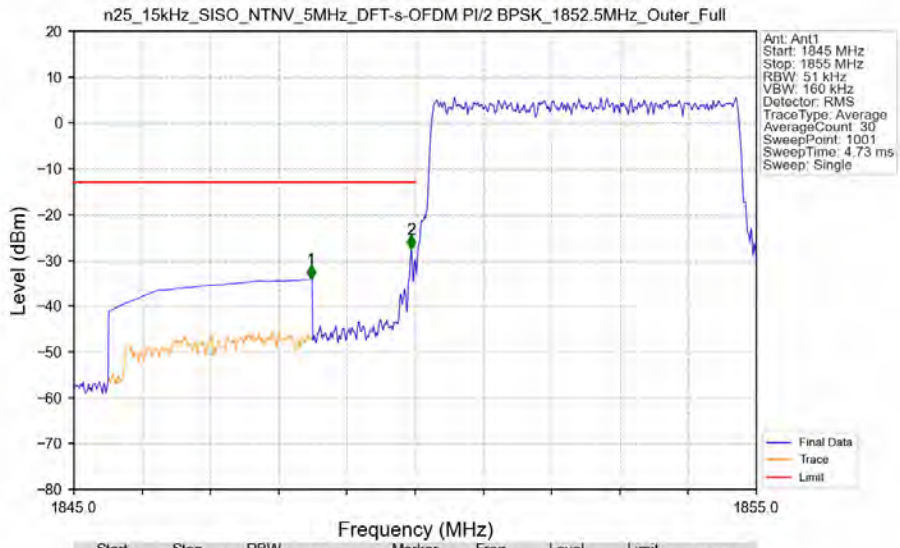

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.470	-34.15	-13	Pass
1849	1850	0.051	/	2	1849.940	-27.67	-13	Pass
1850	1855	0.051	/	/	/	/	/	/

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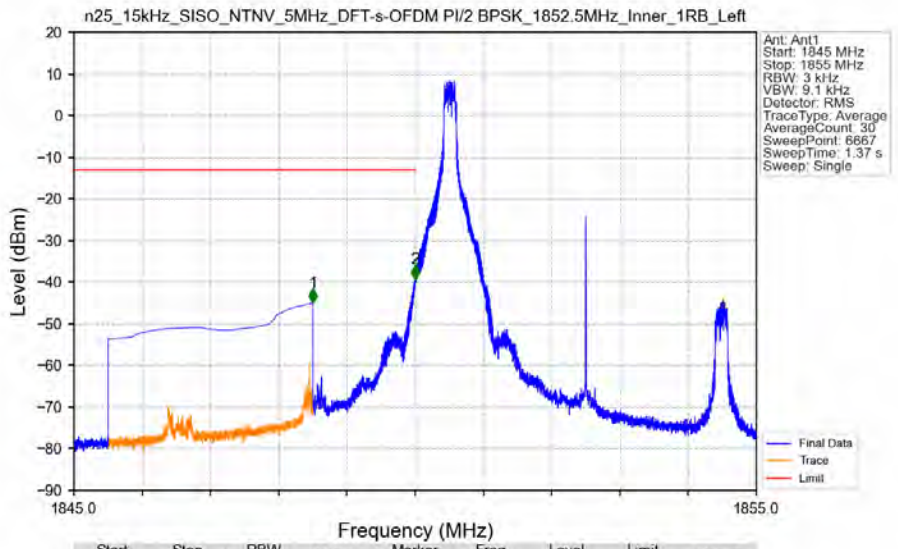

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-45.04	-13	Pass
1849	1850	0.003	/	2	1850.000	-39.28	-13	Pass
1850	1855	0.003	/	/	/	/	/	/

n25_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1882.5MHz_Edge_1RB_Left

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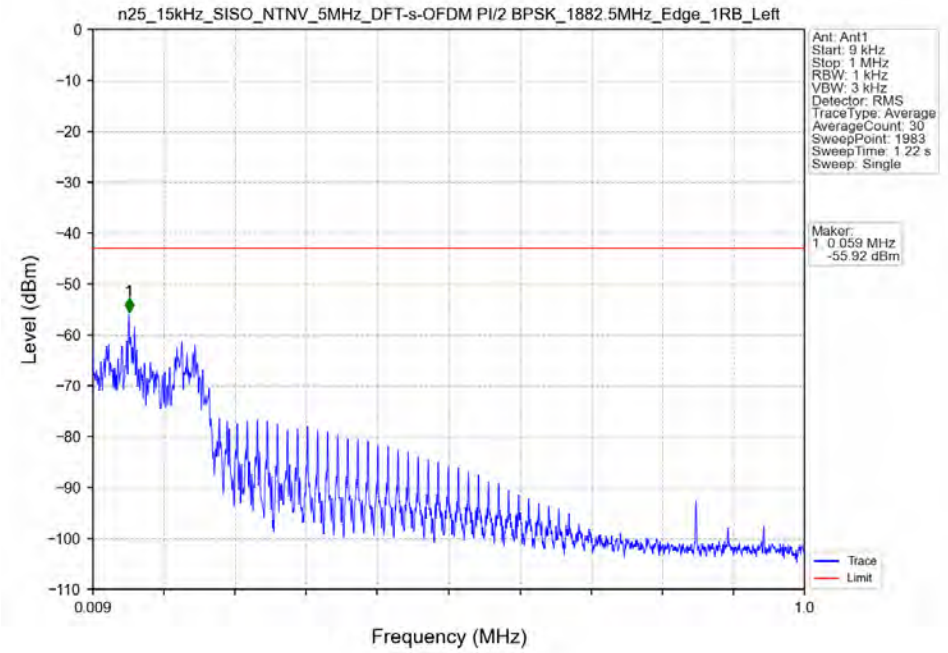

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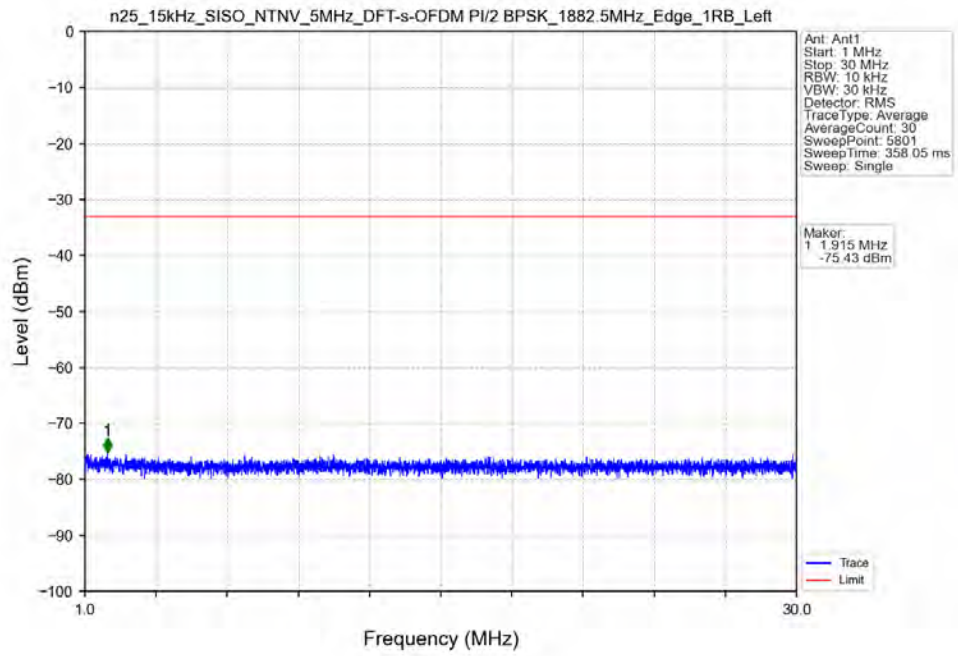

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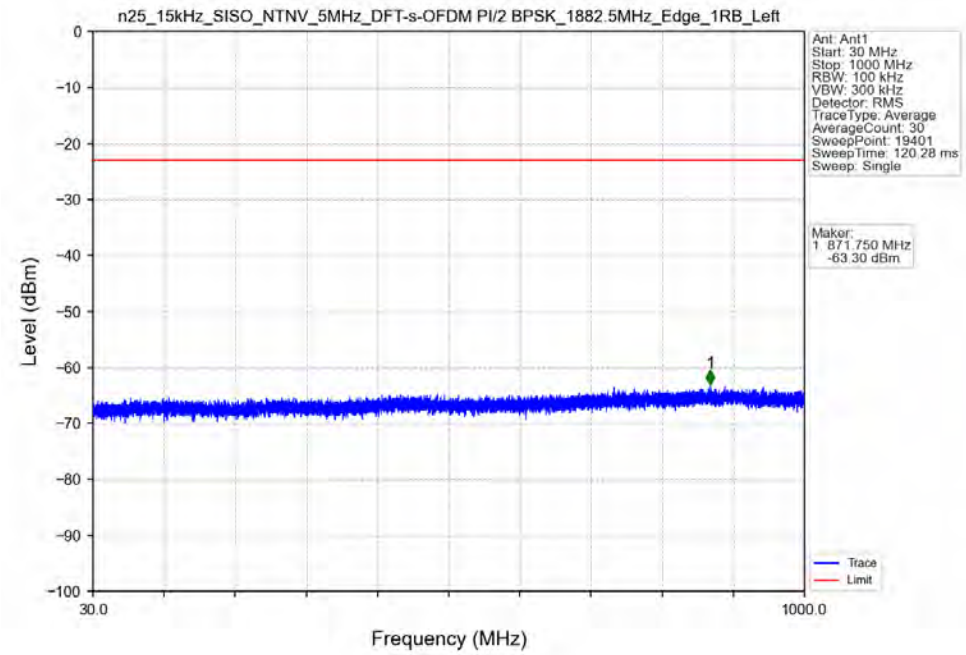

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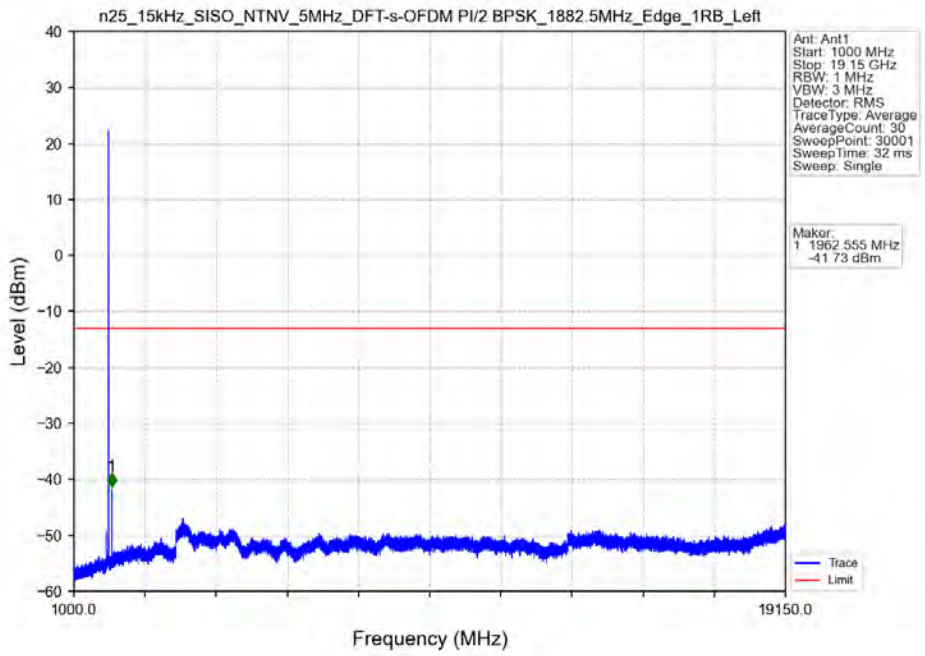

n25_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1912.5MHz_Edge_1RB_Right

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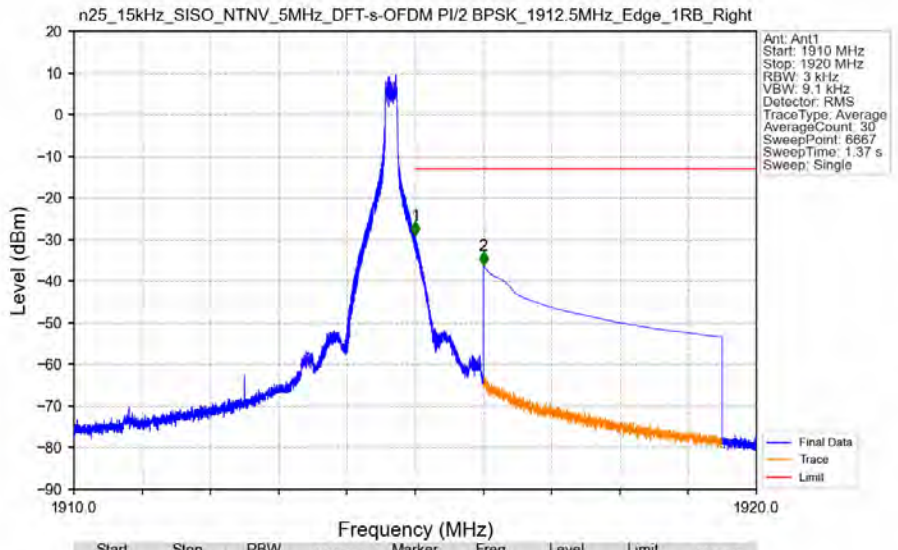

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.002	-29.07	-13	Pass
1916	1920	1	CHP	2	1916.001	-36.28	-13	Pass

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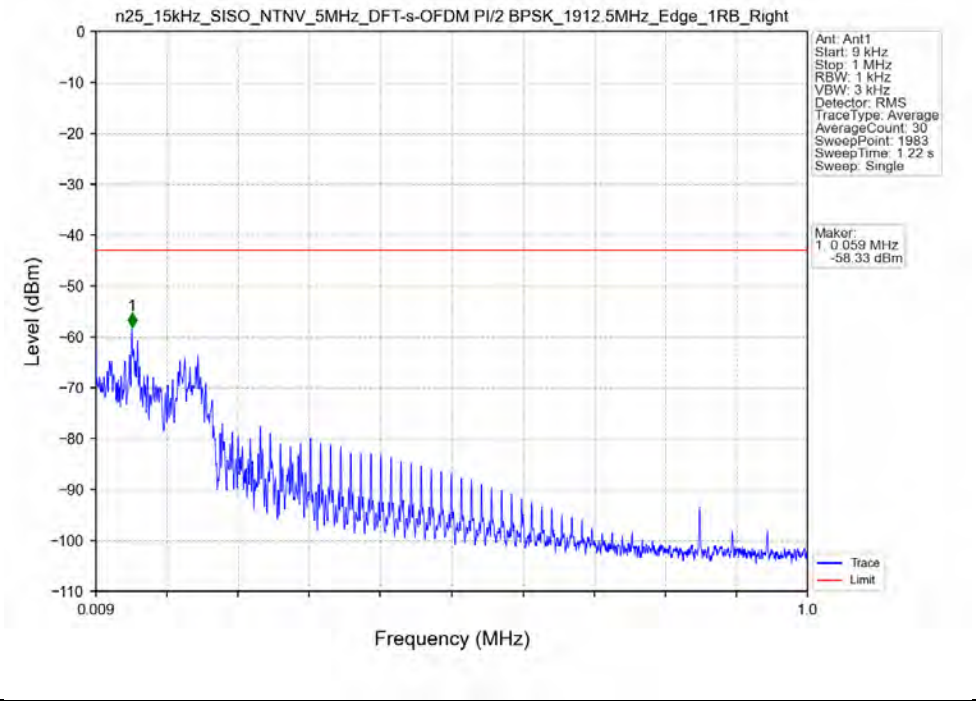

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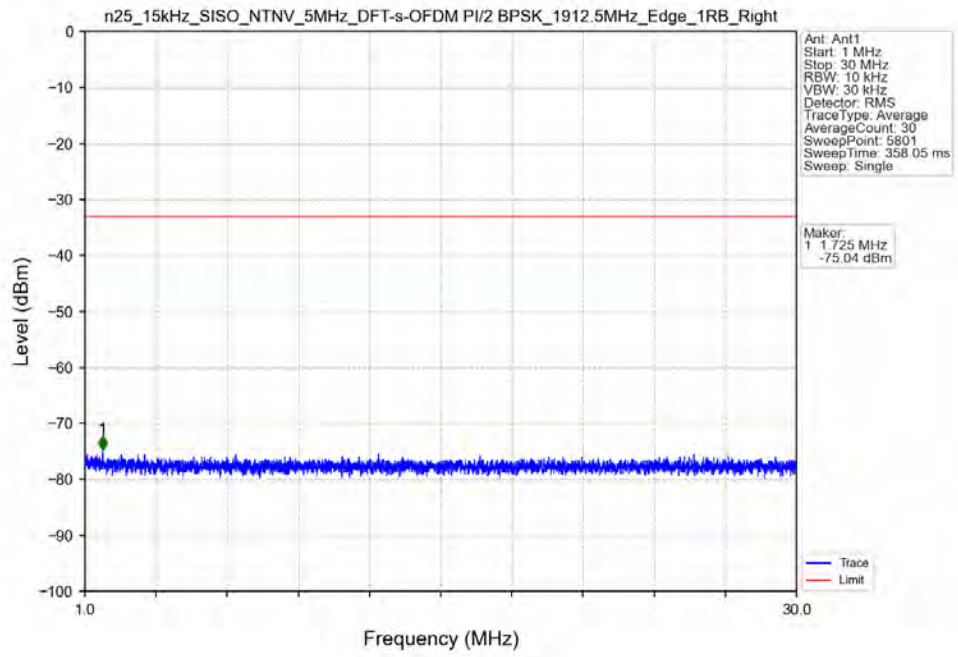

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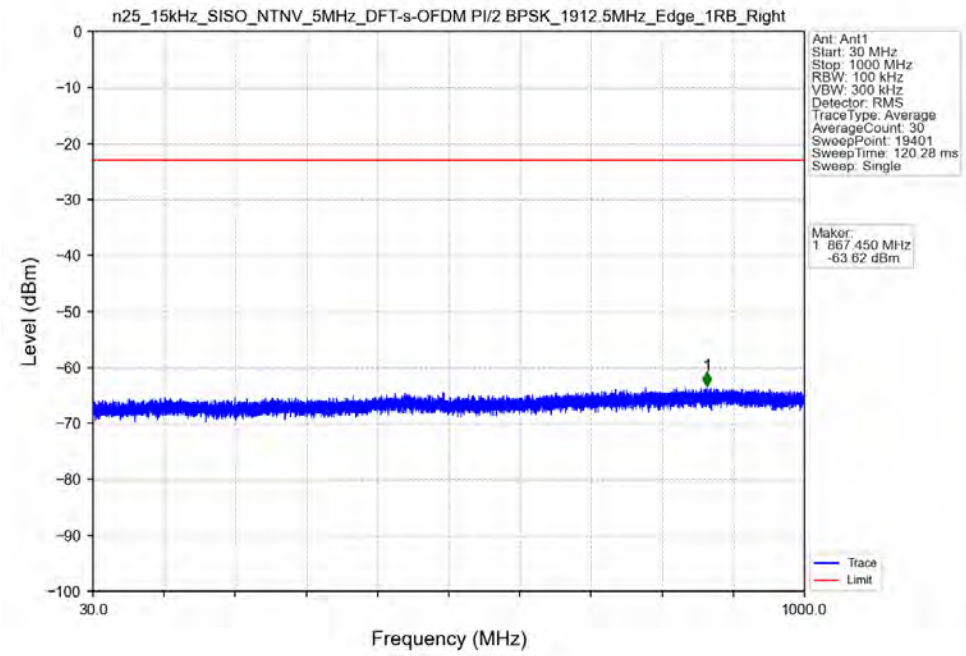

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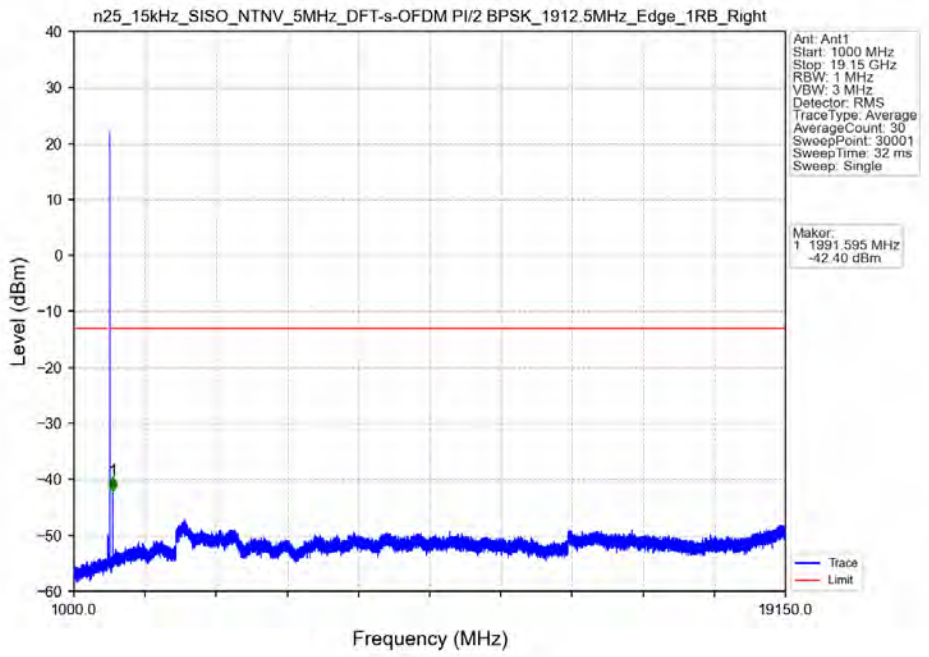

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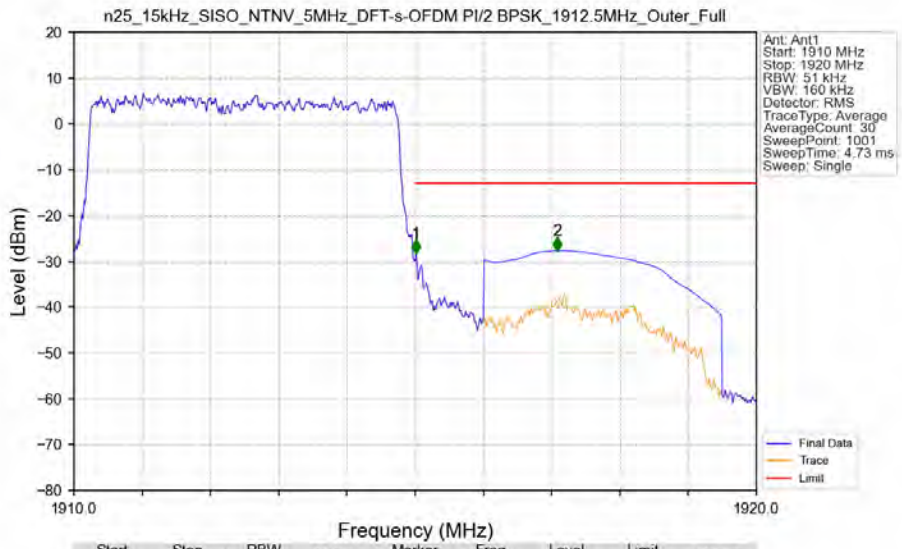

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.051	/	/	/	/	/	/
1915	1916	0.051	/	1	1915.010	-28.36	-13	Pass
1916	1920	1	CHP	2	1917.080	-27.72	-13	Pass

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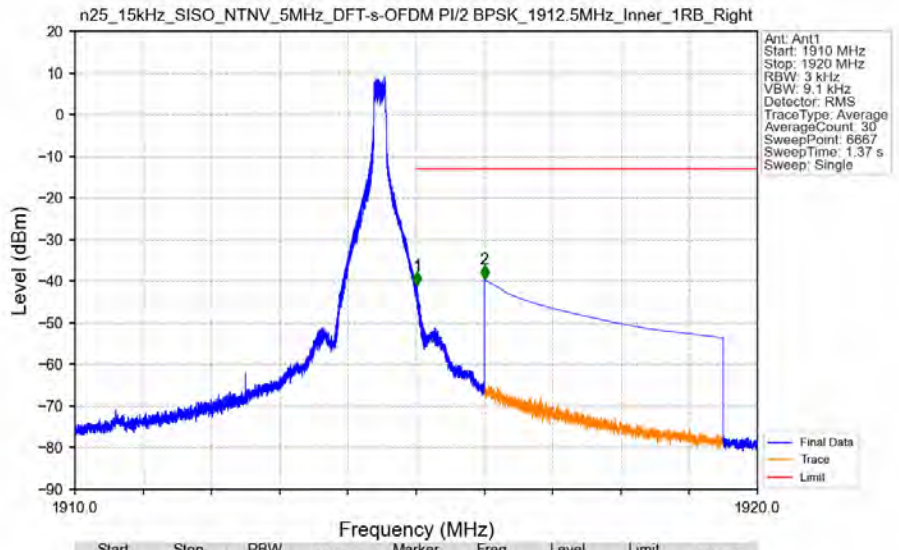

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.014	-41.09	-13	Pass
1916	1920	1	CHP	2	1916.001	-39.64	-13	Pass

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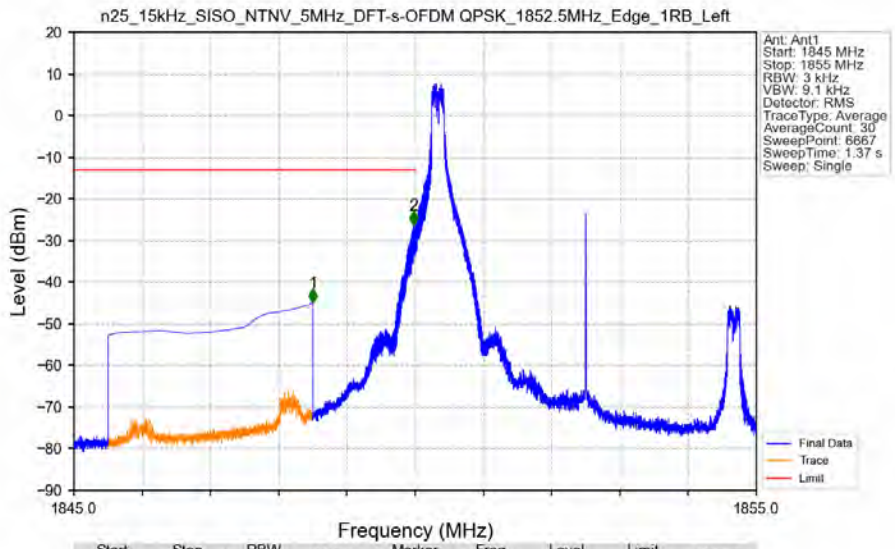

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-45.01	-13	Pass
1849	1850	0.003	/	2	1849.977	-26.44	-13	Pass
1850	1855	0.003	/	/	/	/	/	/

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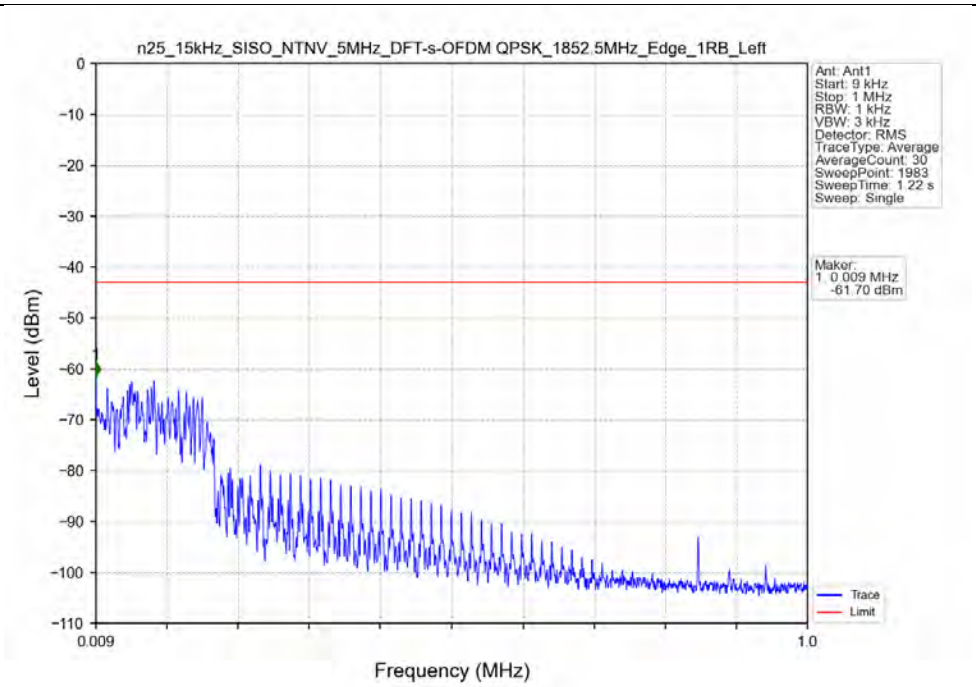

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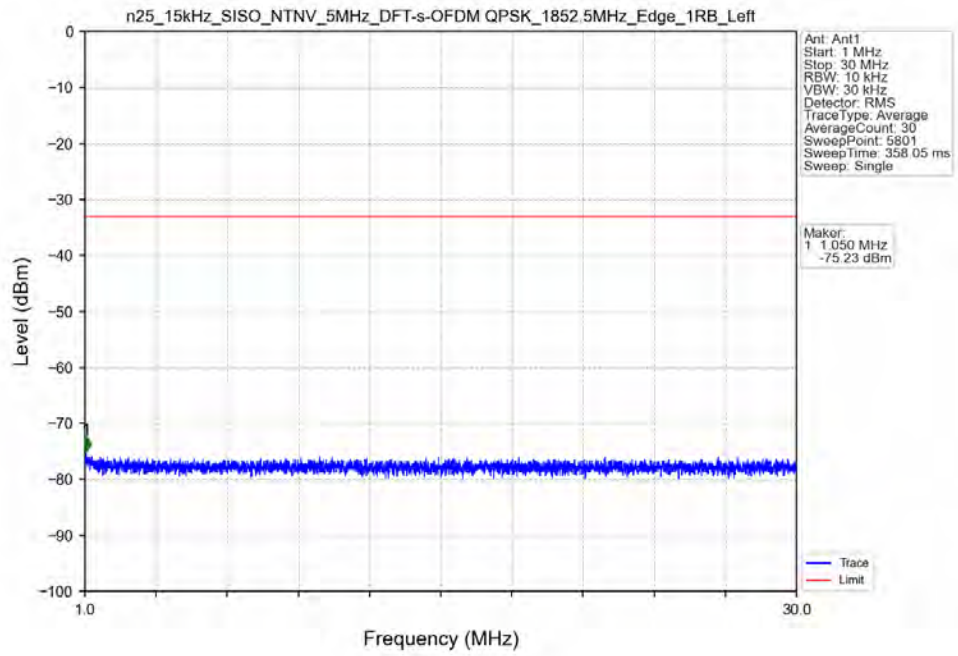

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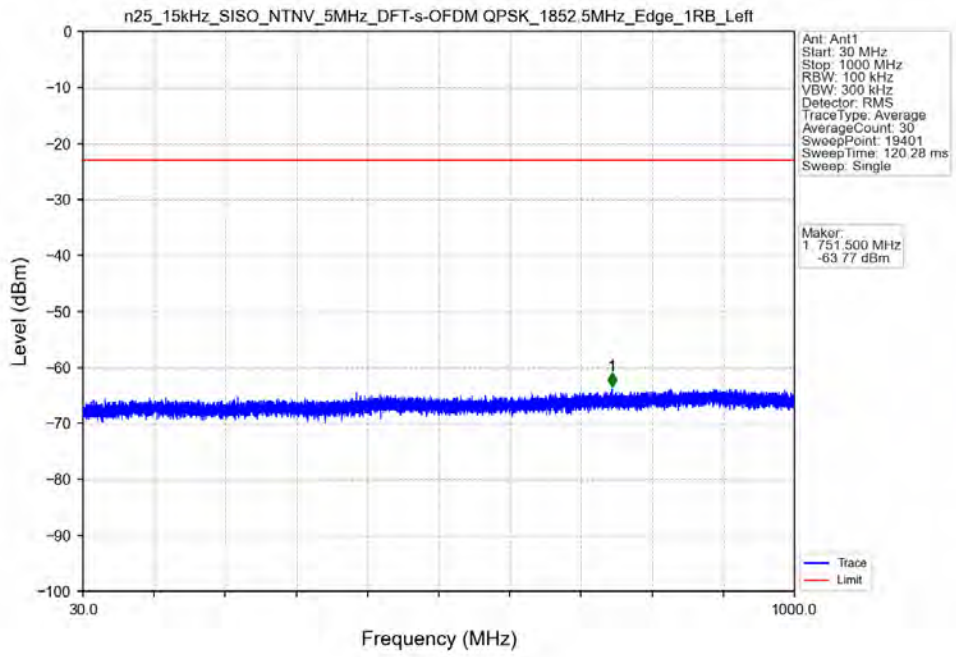

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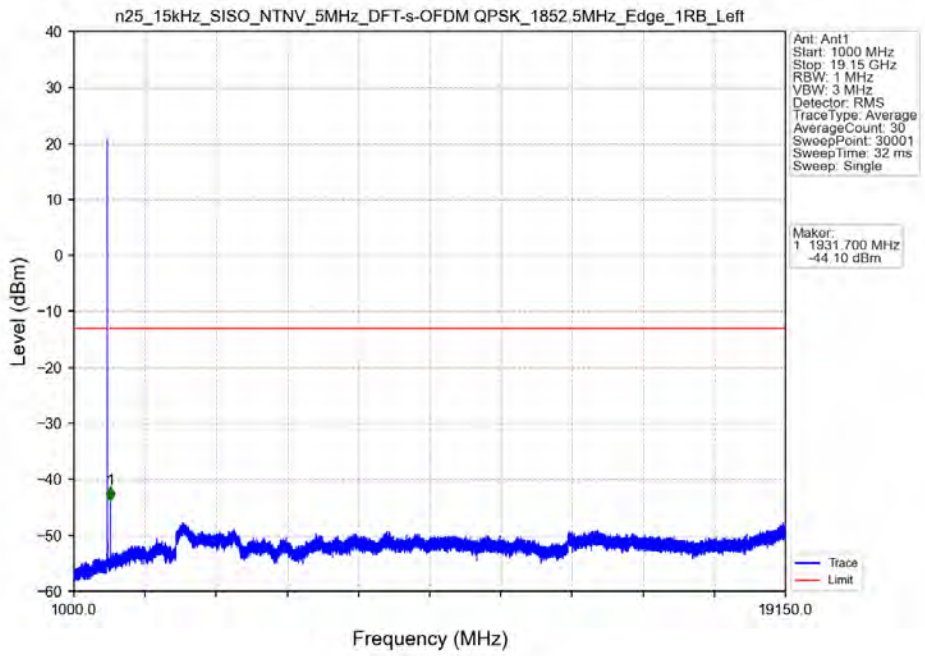

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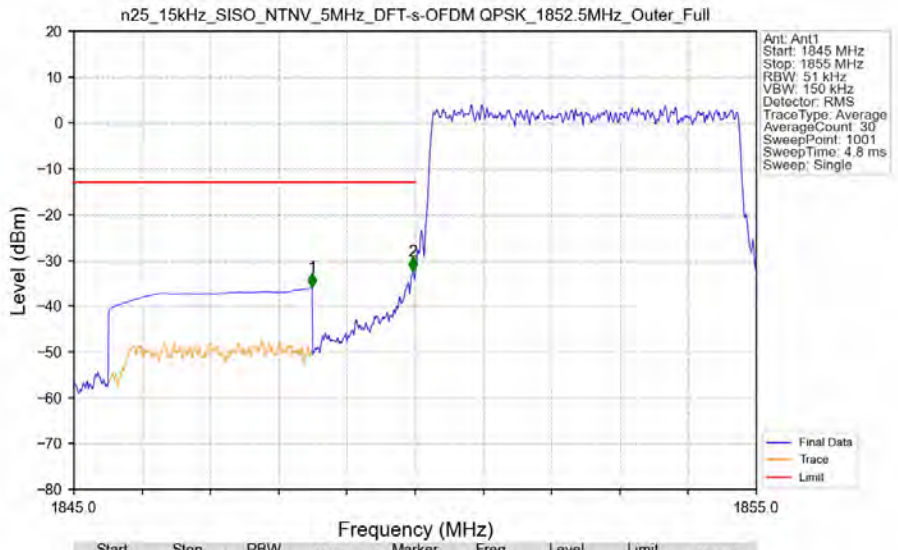

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.490	-35.98	-13	Pass
1849	1850	0.051	/	2	1849.970	-32.35	-13	Pass
1850	1855	0.051	/	/	/	/	/	/

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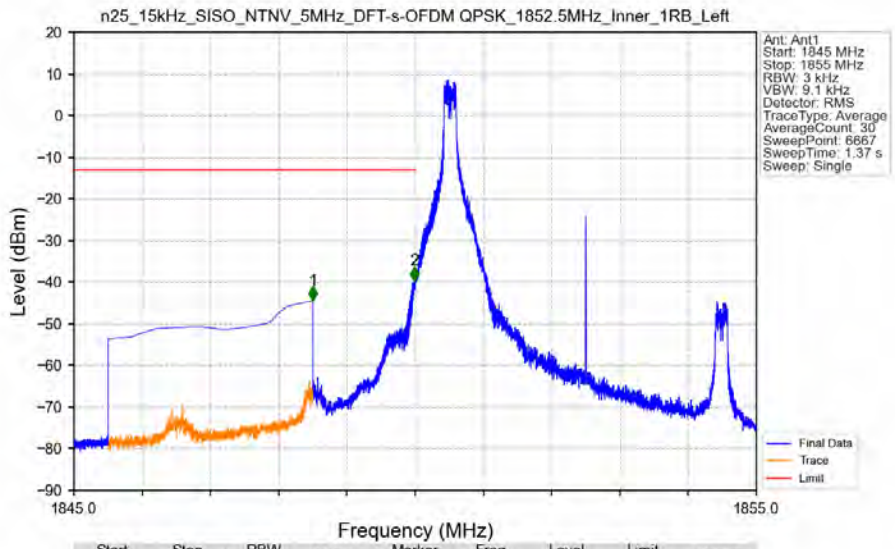
n25_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1852.5MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-44.49	-13	Pass
1849	1850	0.003	/	2	1849.991	-39.65	-13	Pass
1850	1855	0.003	/	/	/	/	/	/

n25_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1882.5MHz_Edge_1RB_Left

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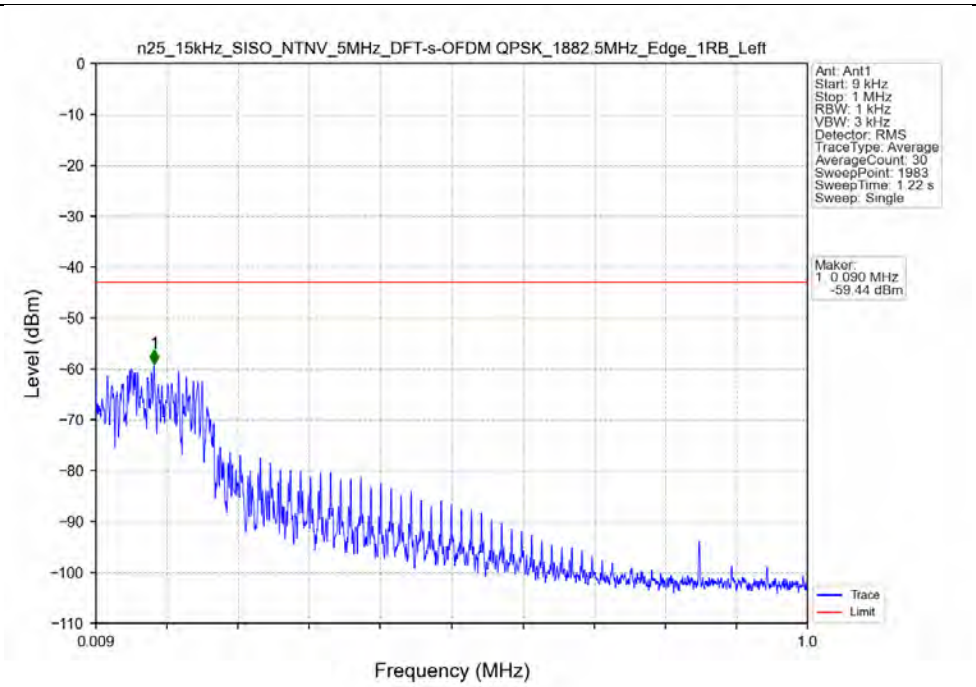

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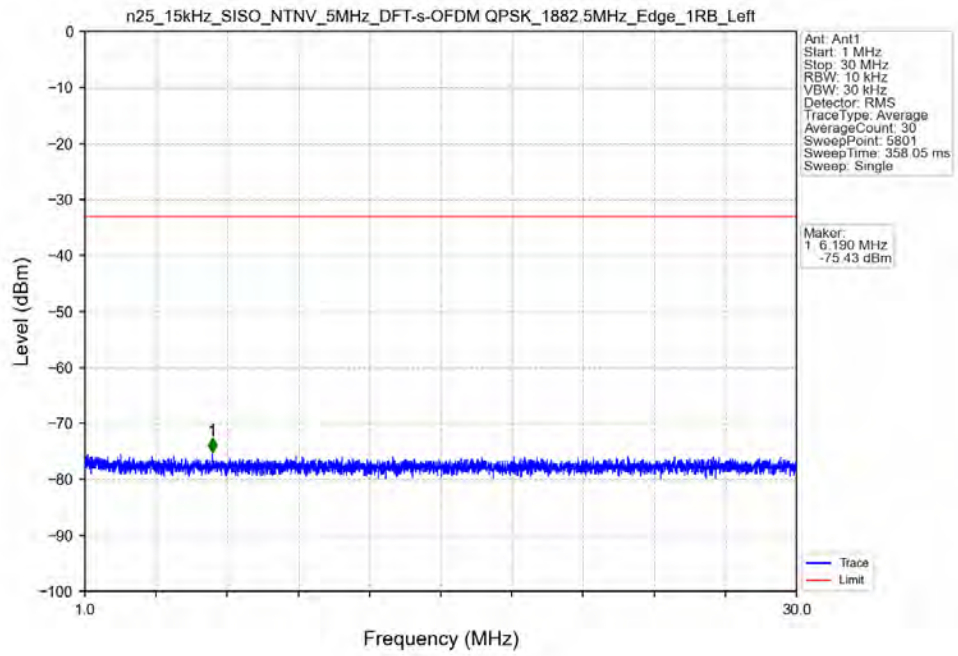
n25_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1882.5MHz_Edge_1RB_Left



n25_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1882.5MHz_Edge_1RB_Left

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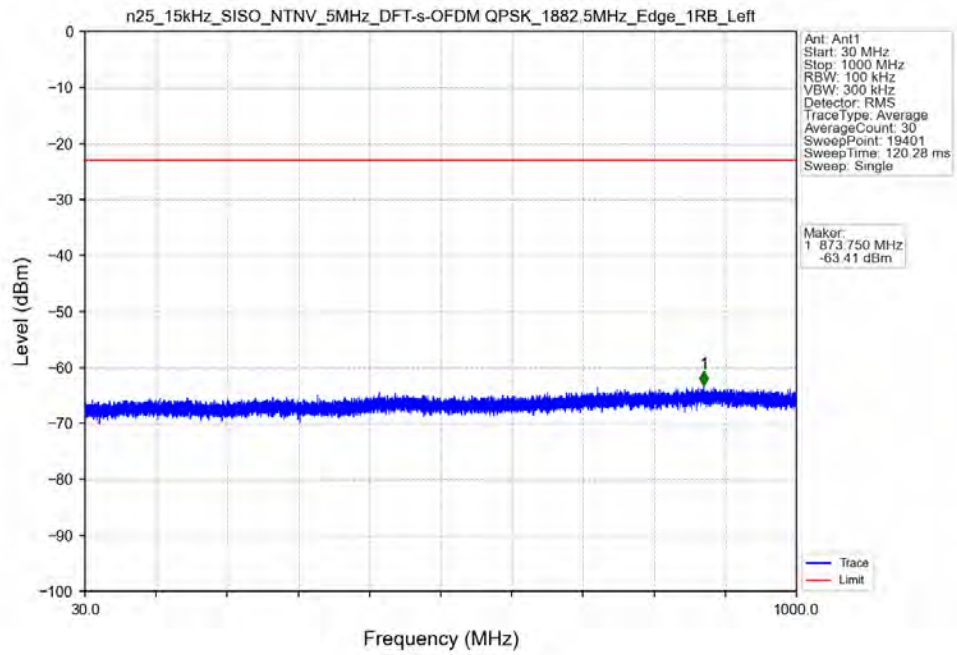

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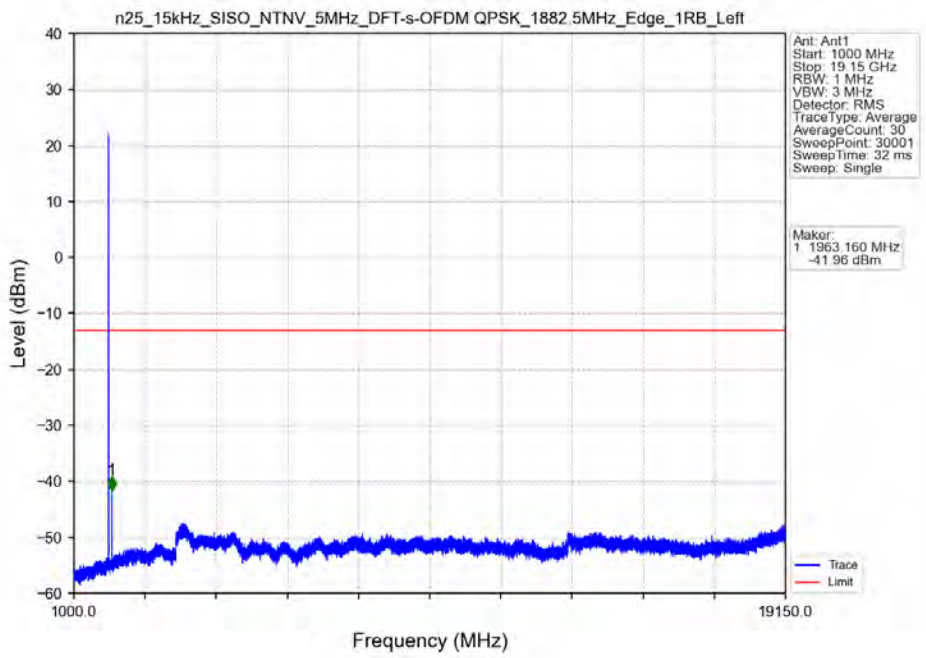

n25_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1912.5MHz_Edge_1RB_Right

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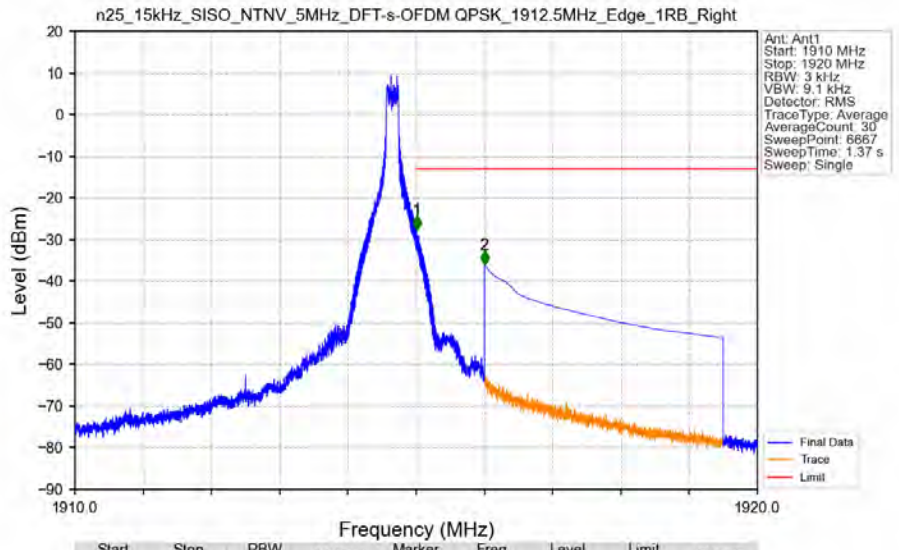

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.008	-27.73	-13	Pass
1916	1920	1	CHP	2	1916.001	-36.03	-13	Pass

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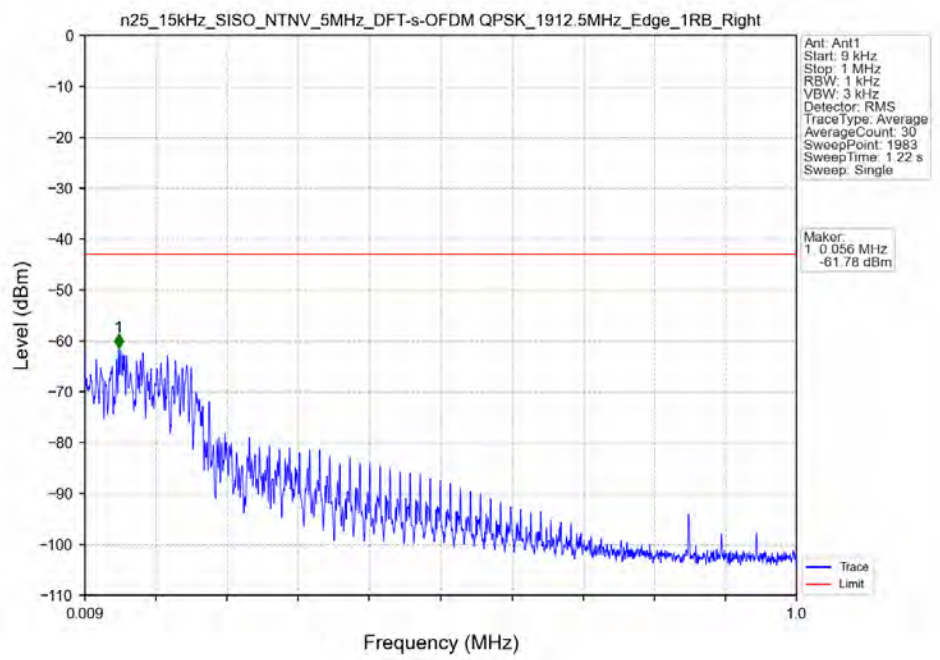

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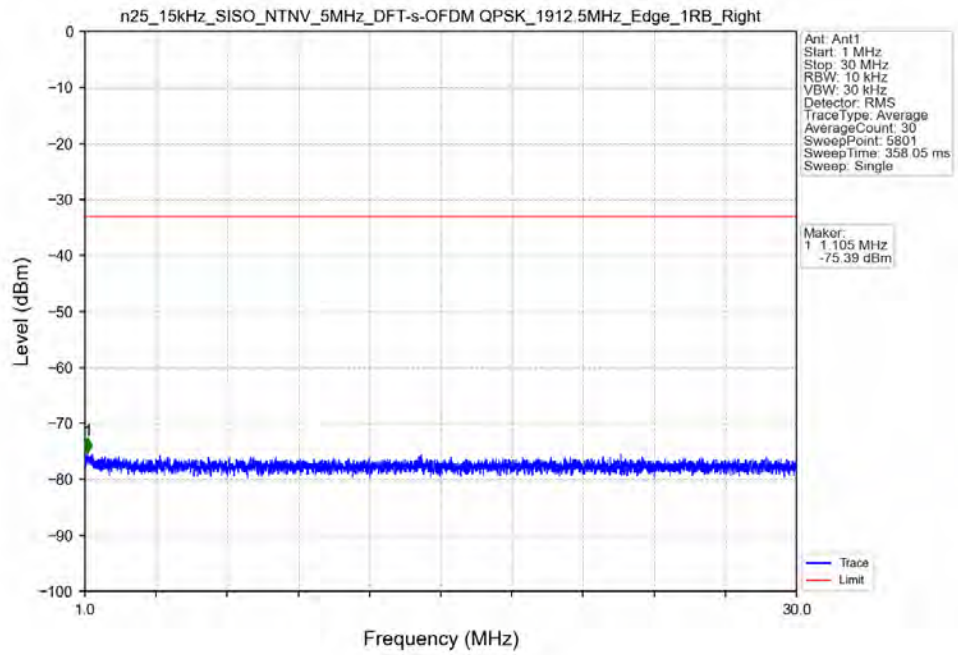

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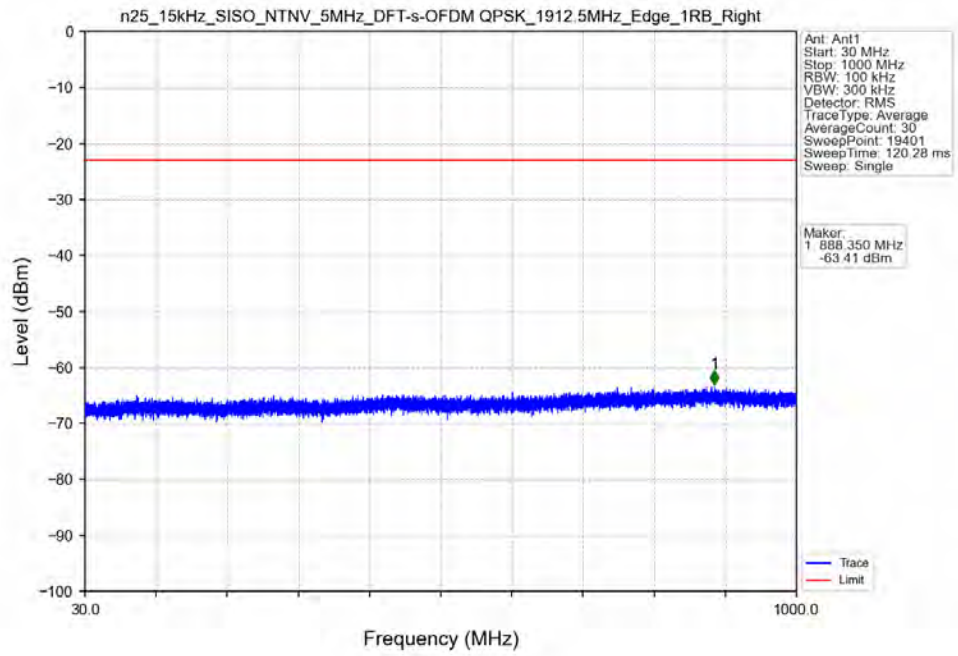

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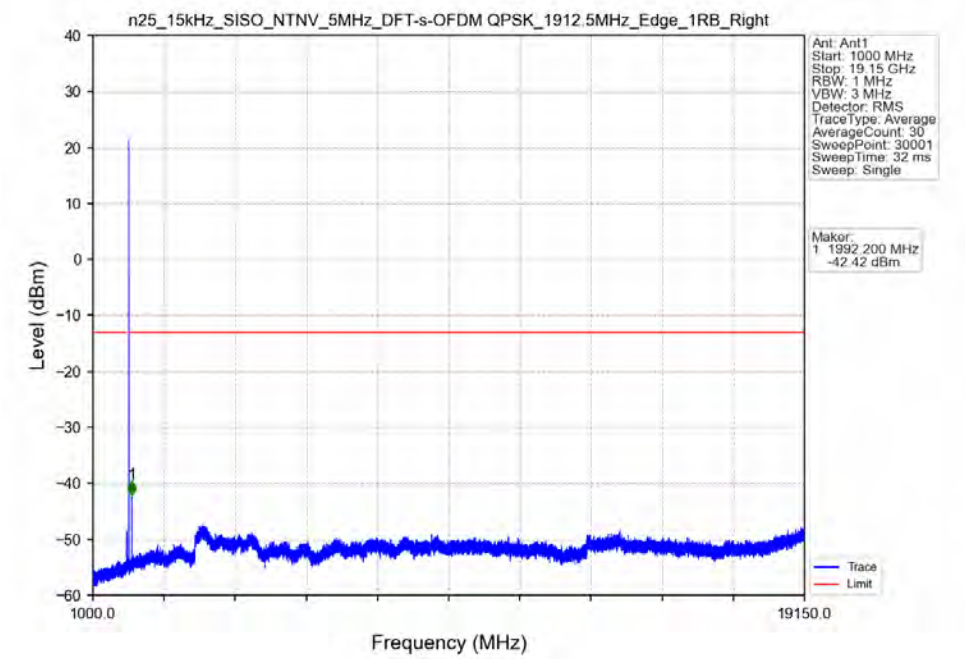

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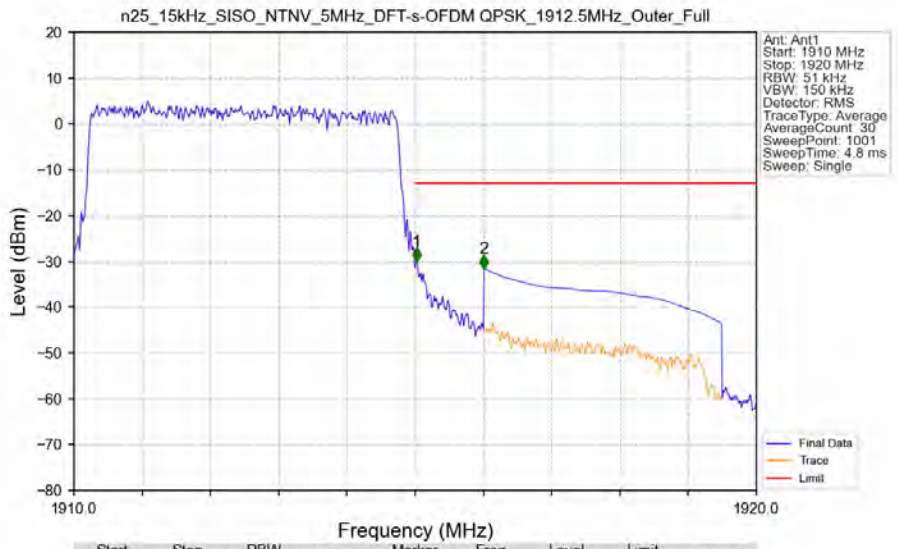
n25_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1912.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.051	/	/	/	/	/	/
1915	1916	0.051	/	1	1915.020	-30.05	-13	Pass
1916	1920	1	CHP	2	1916.010	-31.58	-13	Pass

n25_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1912.5MHz_Inner_1RB_Right

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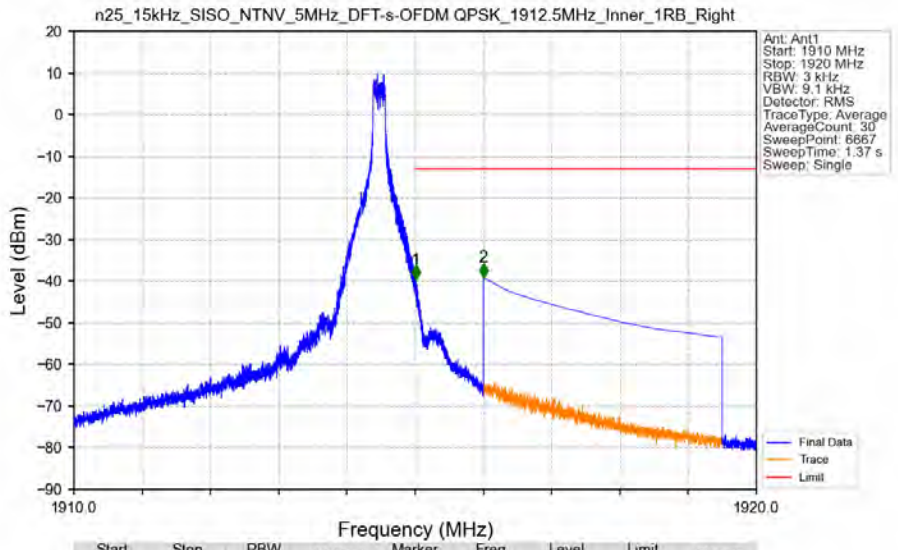

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.008	-39.52	-13	Pass
1916	1920	1	CHP	2	1916.001	-39.10	-13	Pass

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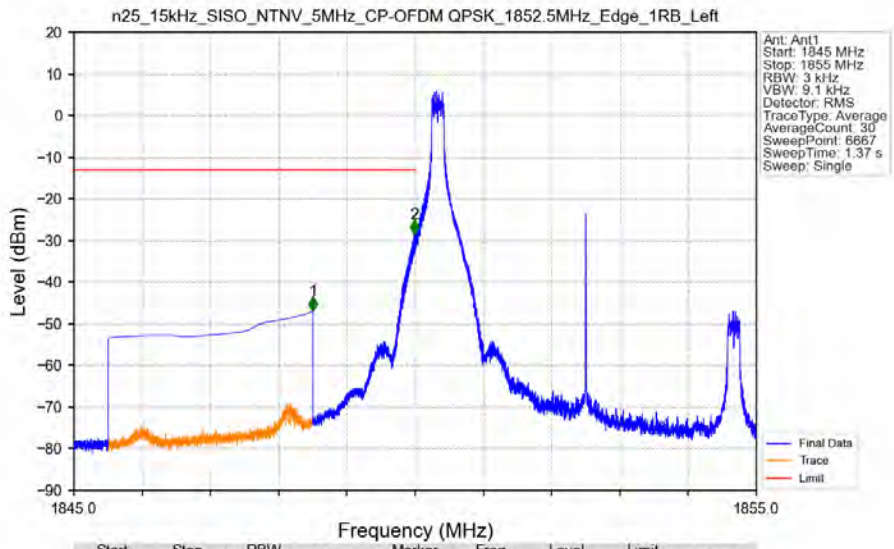
n25_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1852.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-46.97	-13	Pass
1849	1850	0.003	/	2	1849.994	-28.49	-13	Pass
1850	1855	0.003	/	/	/	/	/	/

n25_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1852.5MHz_Edge_1RB_Left

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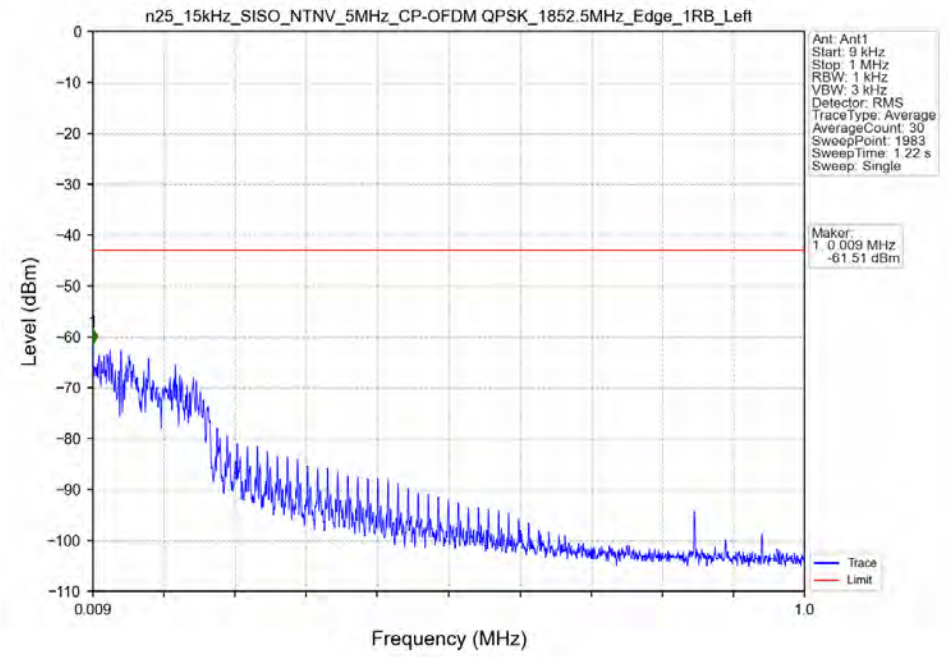

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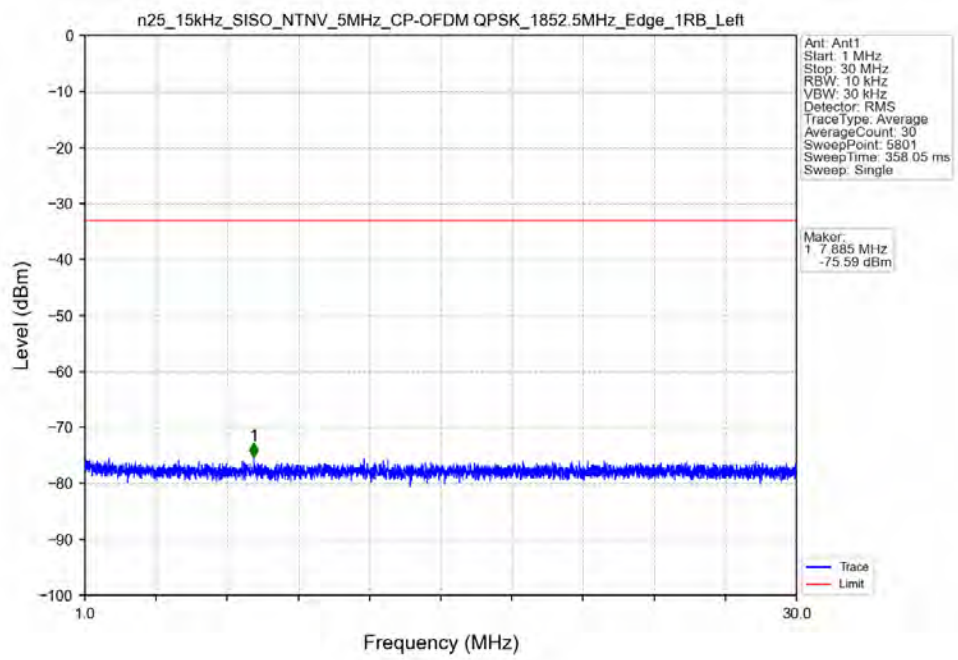
n25_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1852.5MHz_Edge_1RB_Left



n25_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1852.5MHz_Edge_1RB_Left

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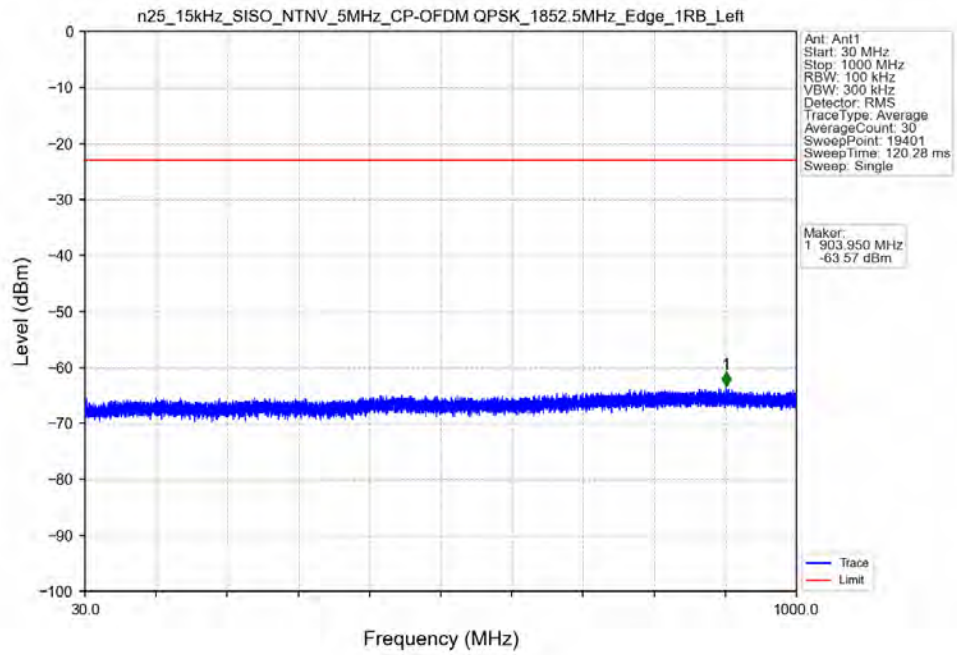

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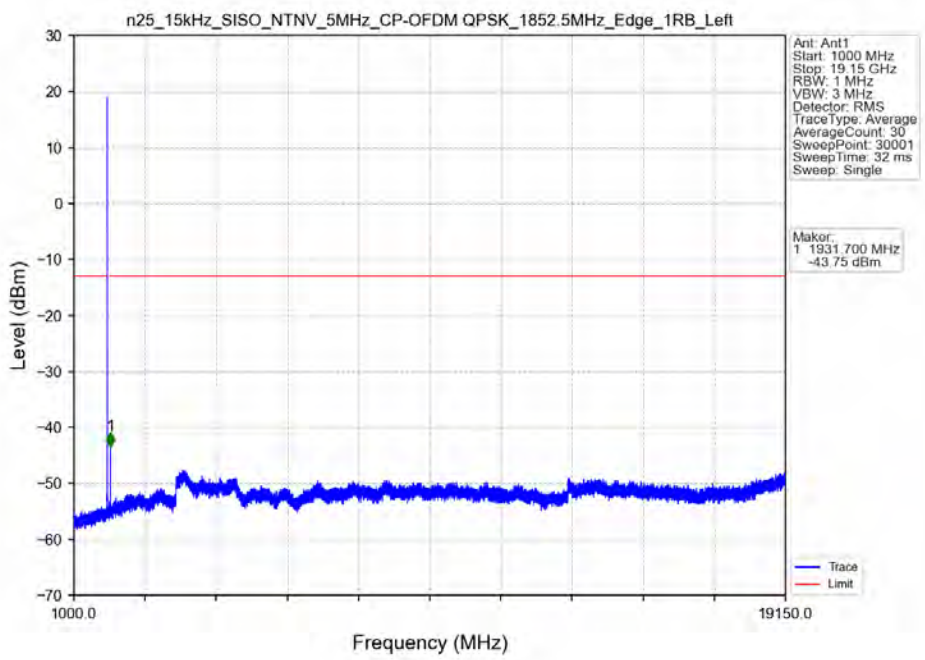

n25_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1852.5MHz_Outer_Full

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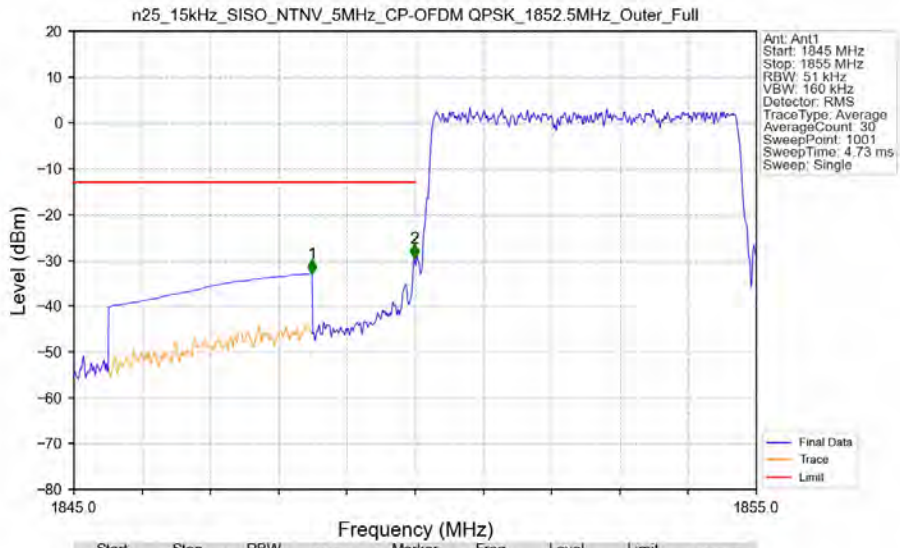

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.490	-32.89	-13	Pass
1849	1850	0.051	/	2	1849.990	-29.58	-13	Pass
1850	1855	0.051	/	/	/	/	/	/

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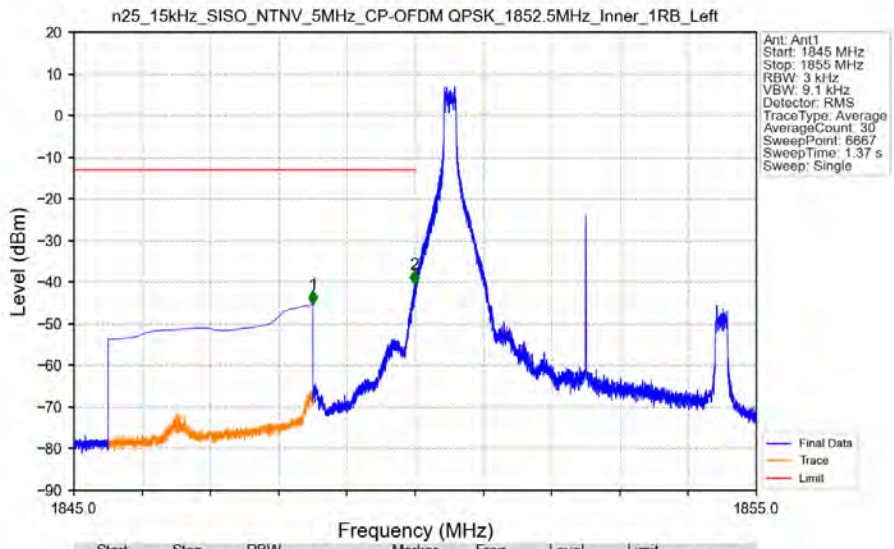

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-45.33	-13	Pass
1849	1850	0.003	/	2	1849.992	-40.58	-13	Pass
1850	1855	0.003	/	/	/	/	/	/

n25_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1882.5MHz_Edge_1RB_Left

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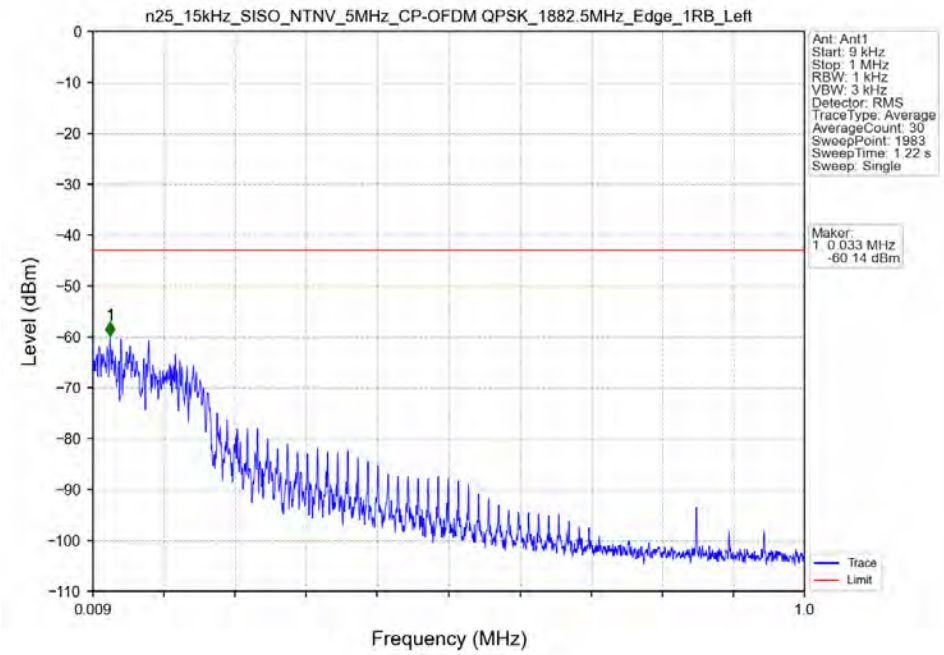

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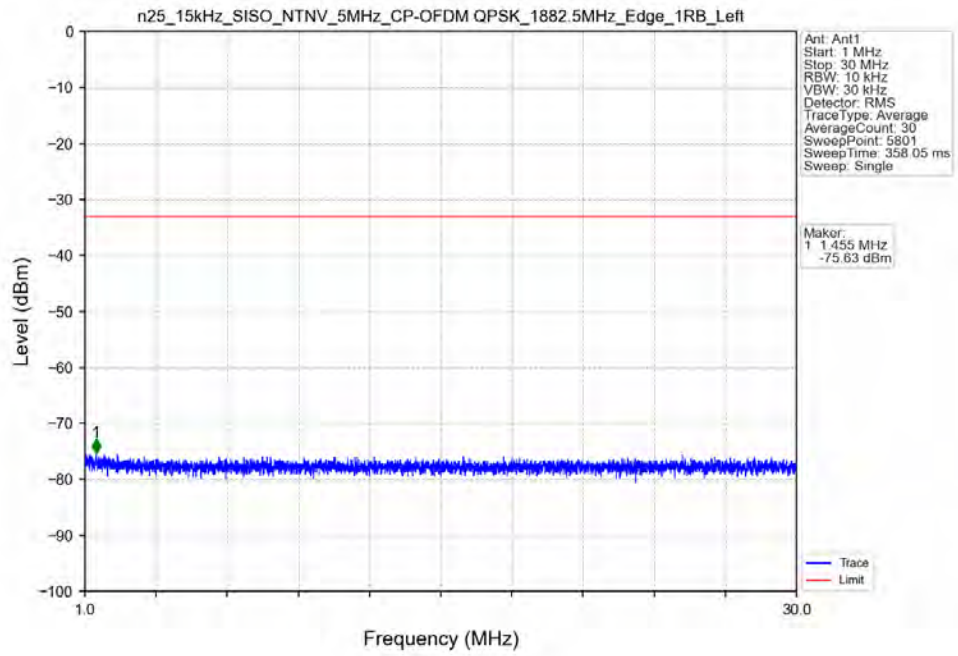
n25_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1882.5MHz_Edge_1RB_Left



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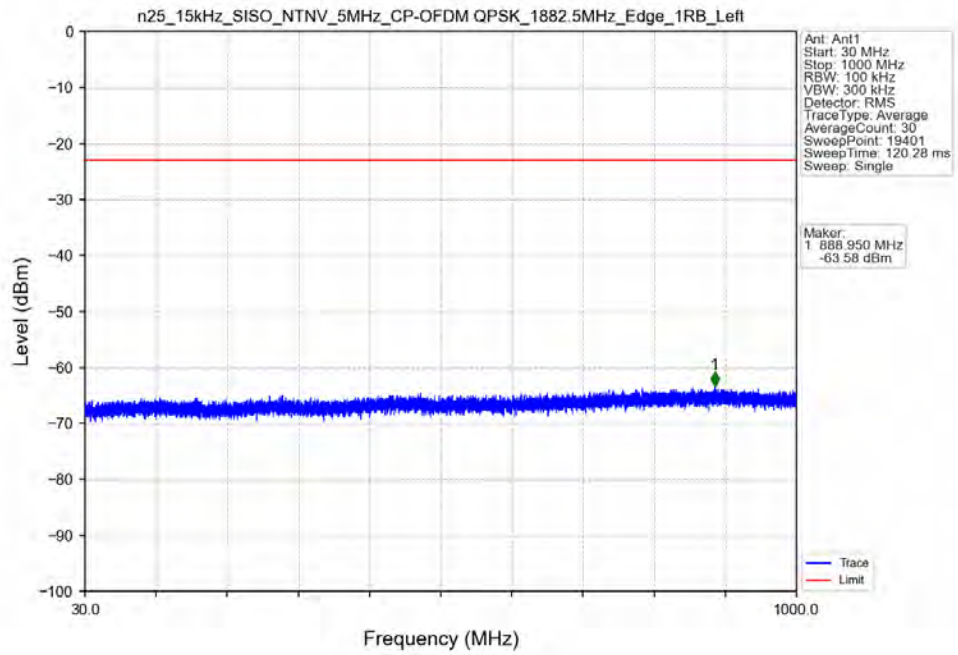

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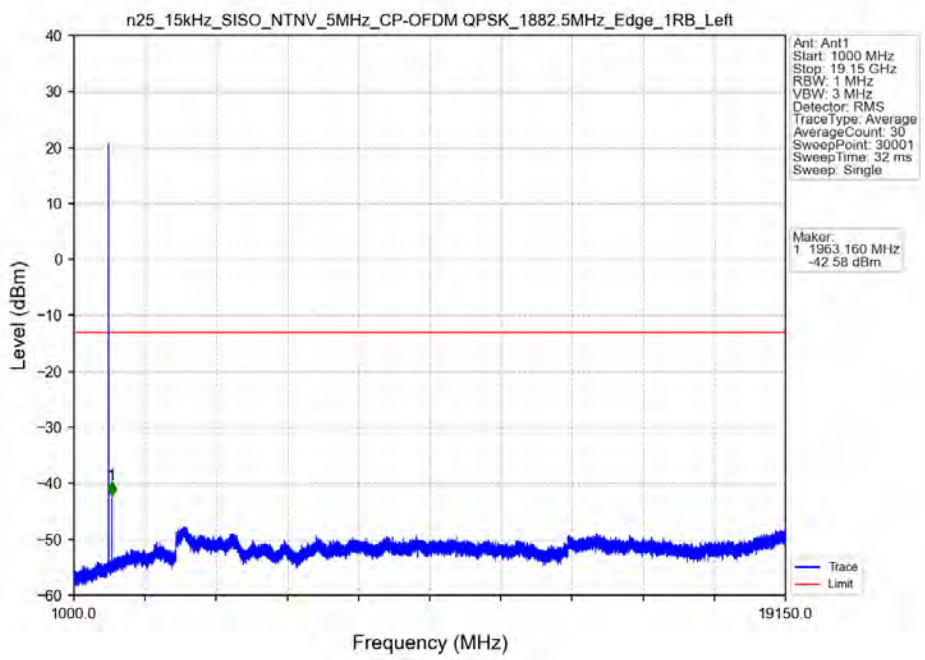

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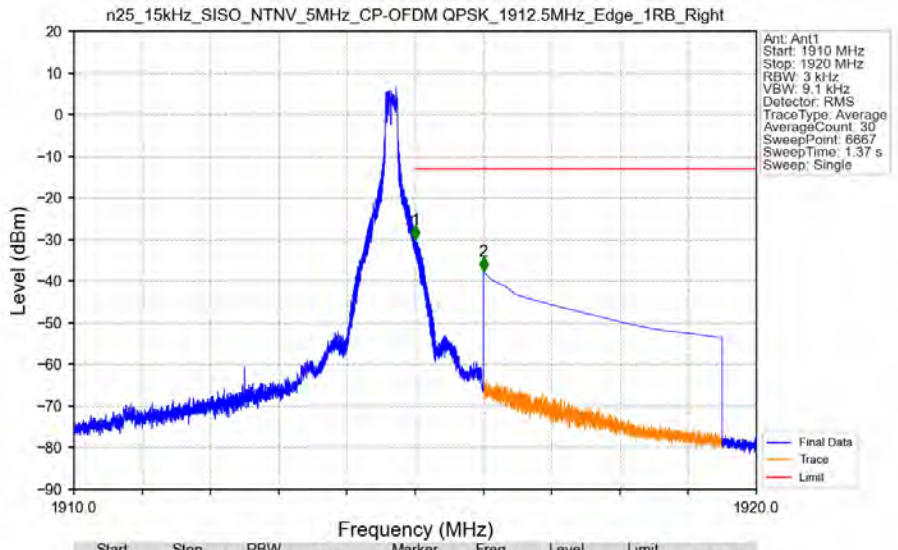

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.005	-30.05	-13	Pass
1916	1920	1	CHP	2	1916.001	-37.59	-13	Pass

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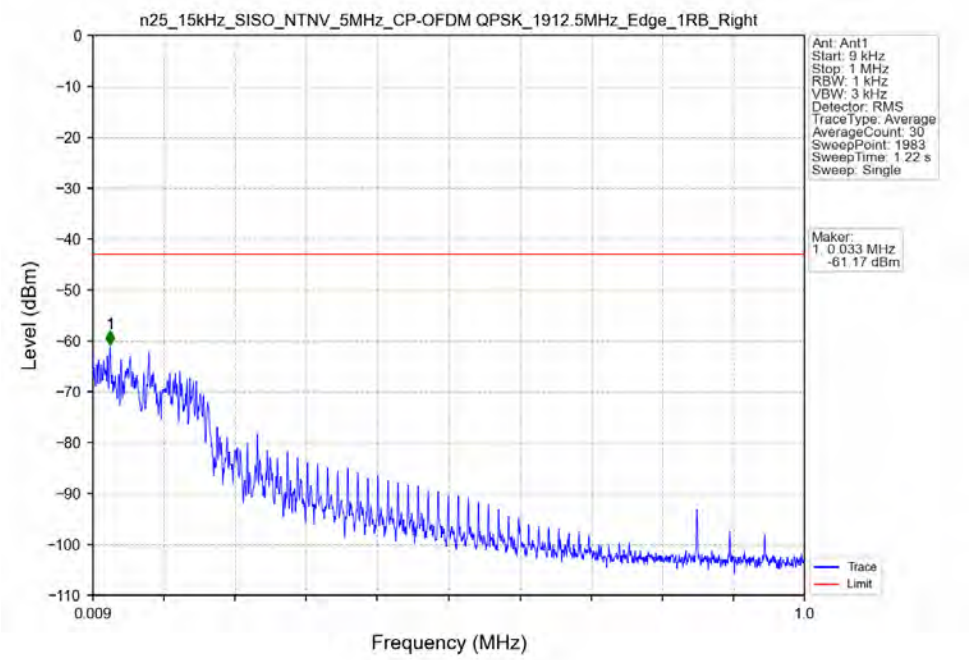
n25_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1912.5MHz_Edge_1RB_Right



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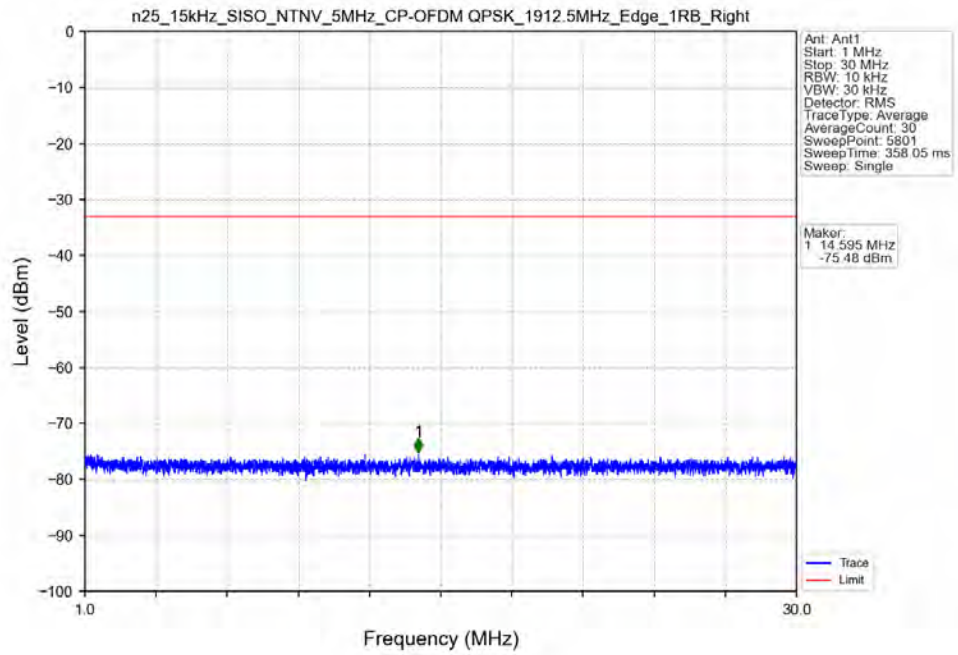

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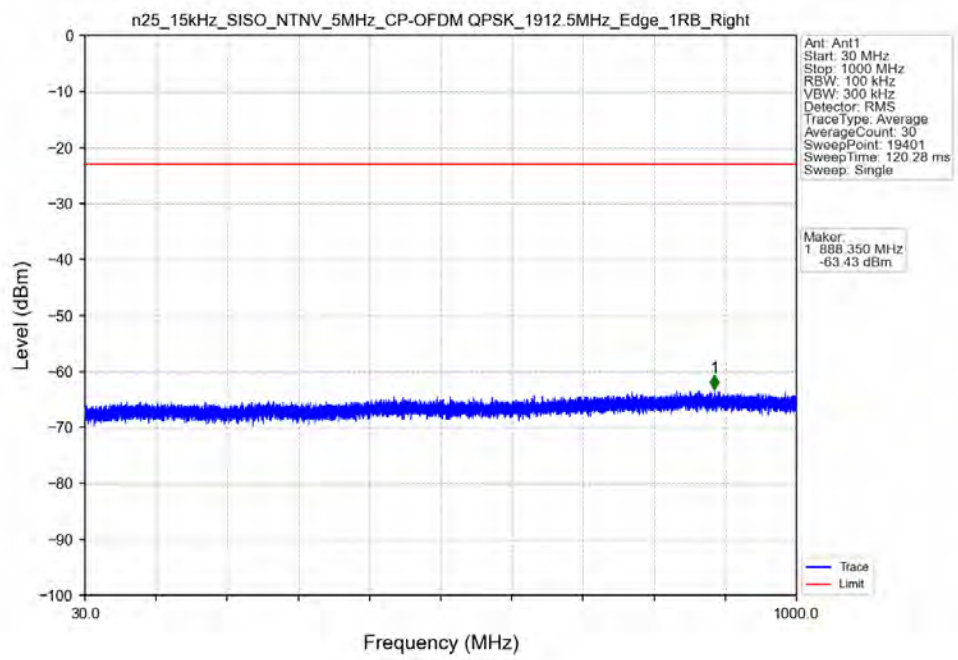

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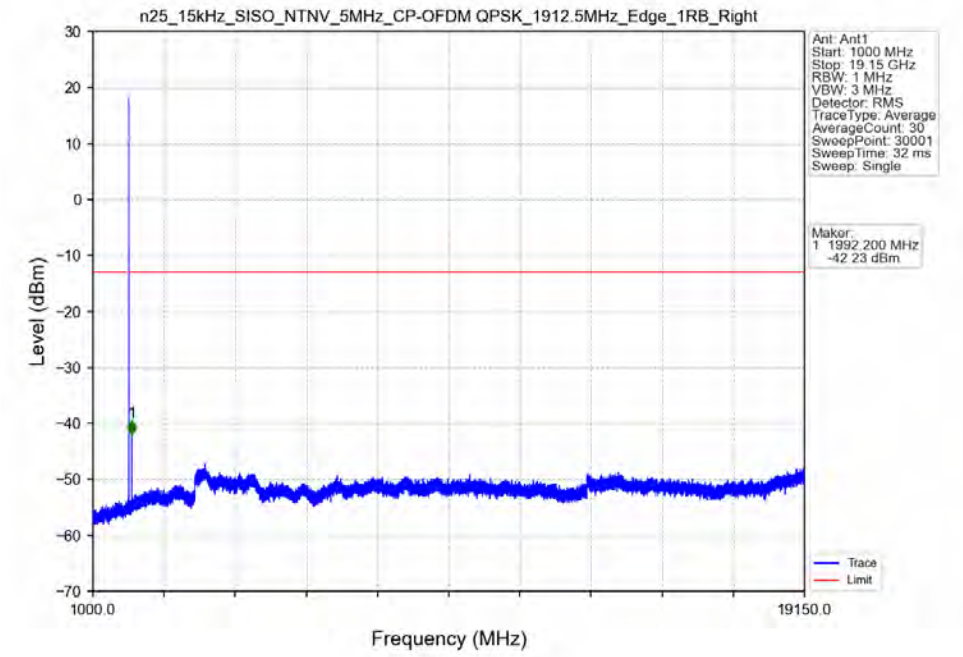

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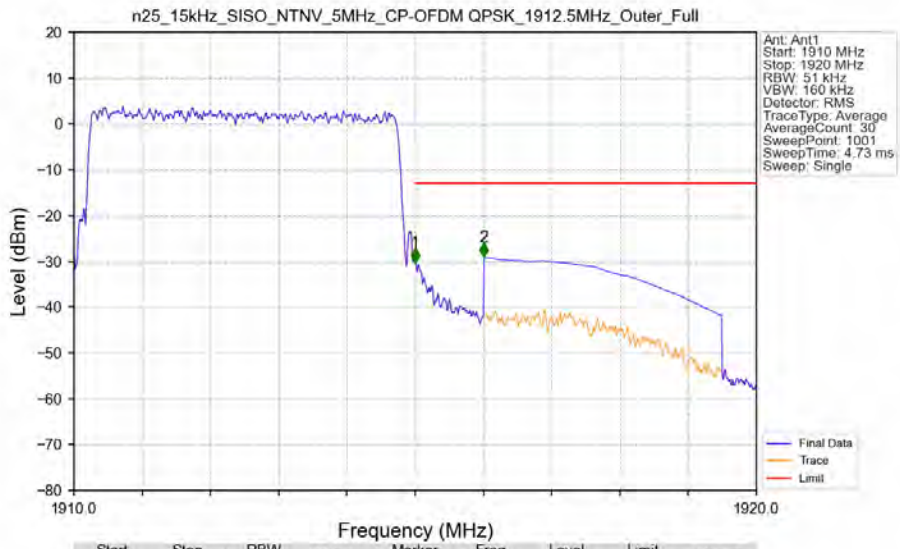

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.051	/	/	/	/	/	/
1915	1916	0.051	/	1	1915.000	-30.32	-13	Pass
1916	1920	1	CHP	2	1916.010	-29.07	-13	Pass

n25_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1912.5MHz_Inner_1RB_Right

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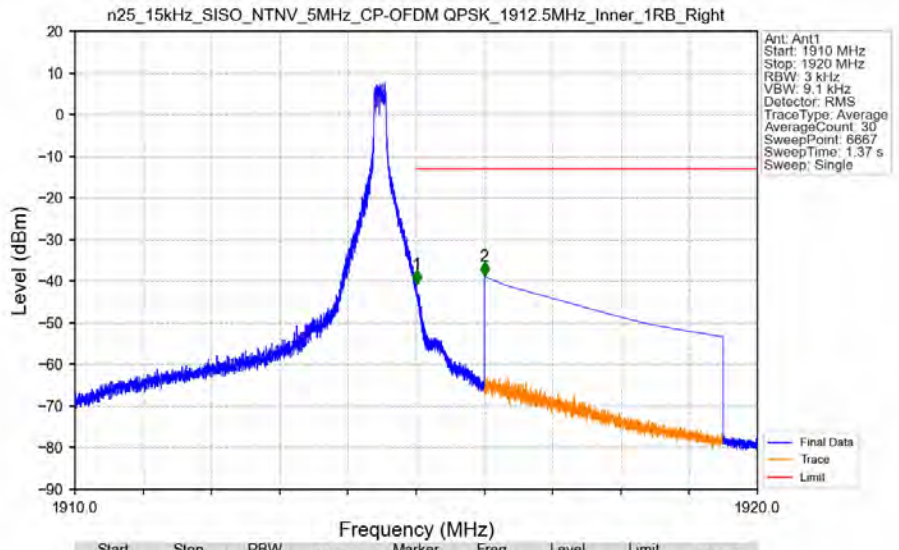

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1910	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.006	-40.69	-13	Pass
1916	1920	1	CHP	2	1916.001	-38.84	-13	Pass

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5.2 15k_SISO_10MHz_NTNV

5.2.1 Test Result

5G NR n25 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1855	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	1882.5	Edge_1RB_Left	Refer To Test Graph				Pass
	1910	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	1855	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	1882.5	Edge_1RB_Left	Refer To Test Graph				Pass
	1910	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	1855	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	1882.5	Edge_1RB_Left	Refer To Test Graph				Pass
	1910	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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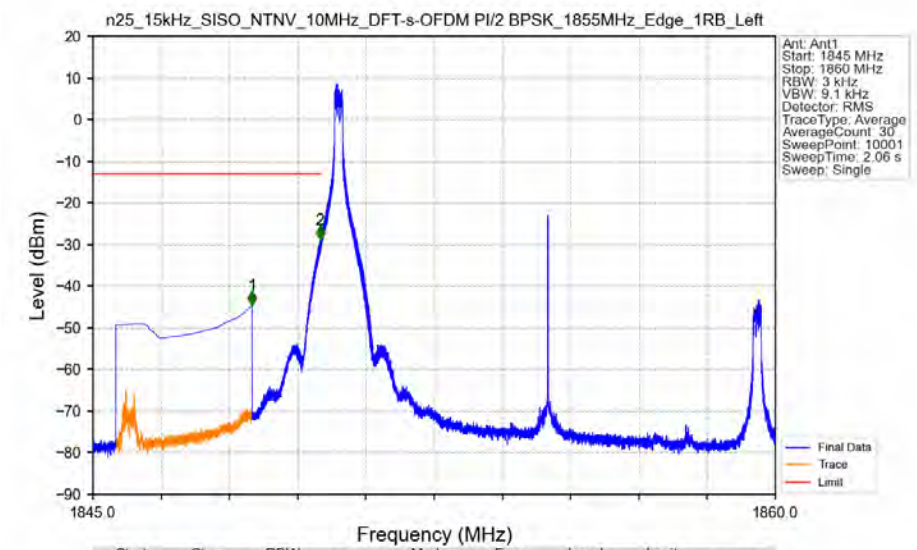

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.499	-44.65	-13	Pass
1849	1850	0.003	/	2	1849.994	-28.86	-13	Pass
1850	1860	0.003	/	/	/	/	/	/

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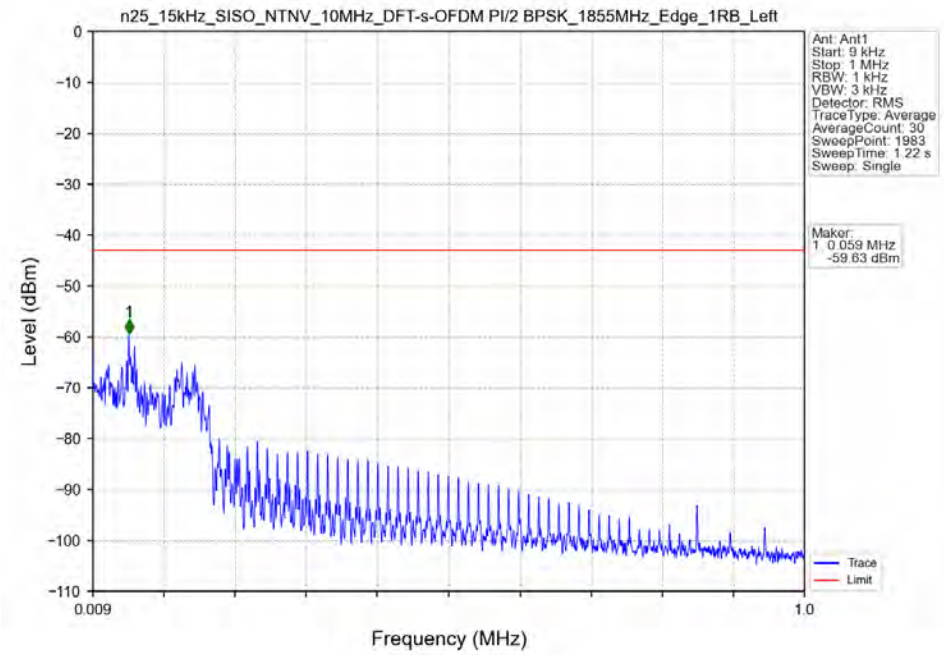

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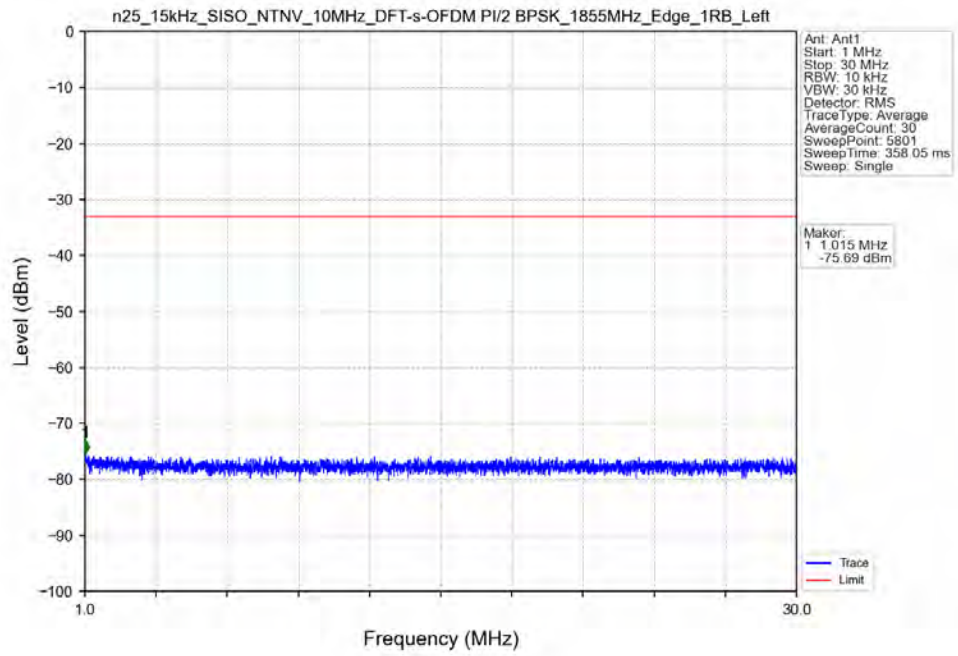

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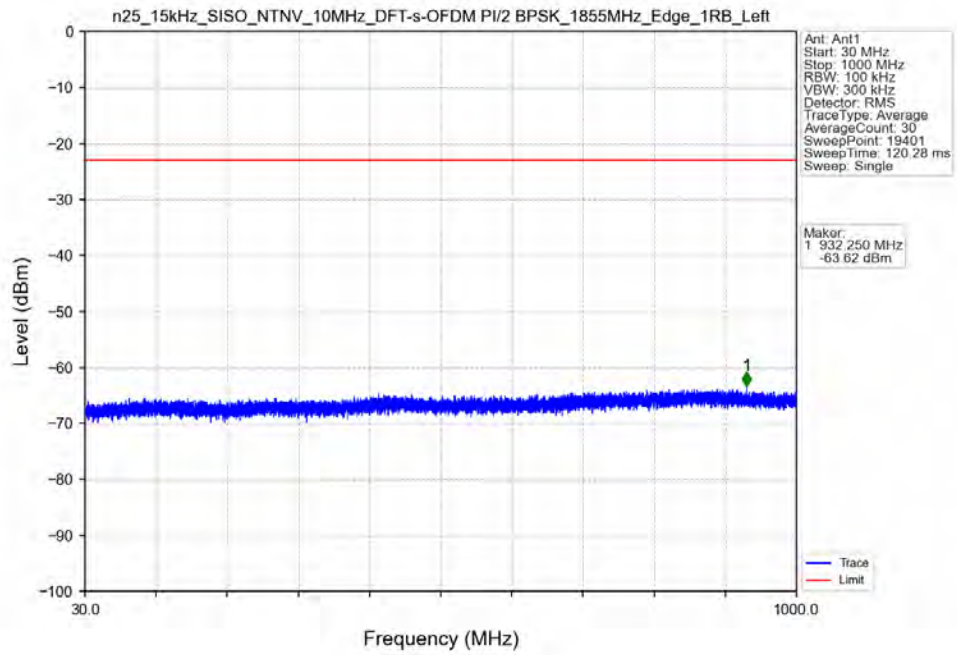

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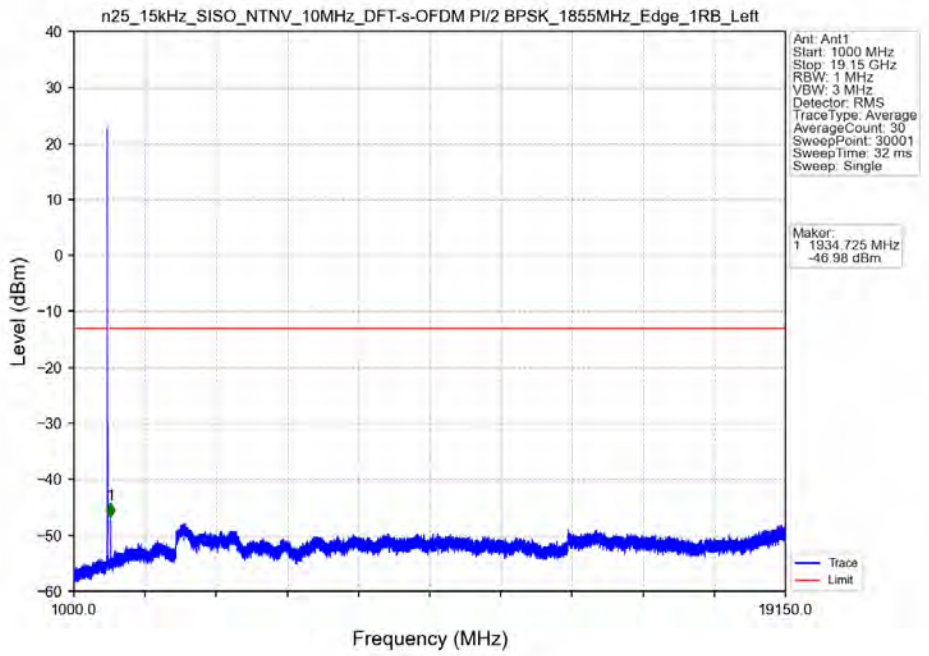

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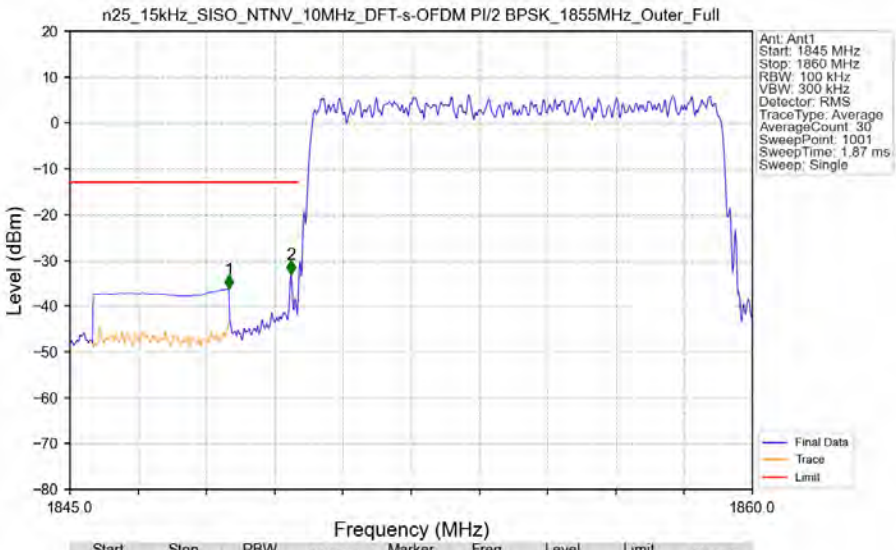

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.495	-36.28	-13	Pass
1849	1850	0.1	/	2	1849.860	-33.14	-13	Pass
1850	1860	0.1	/	/	/	/	/	/

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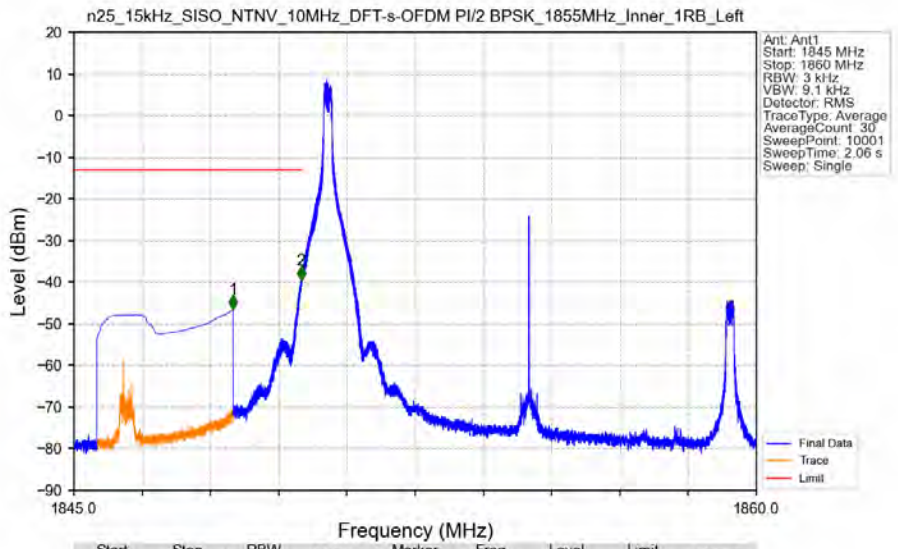
n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1855MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.499	-46.54	-13	Pass
1849	1850	0.003	/	2	1849.994	-39.56	-13	Pass
1850	1860	0.003	/	/	/	/	/	/

n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1882.5MHz_Edge_1RB_Left

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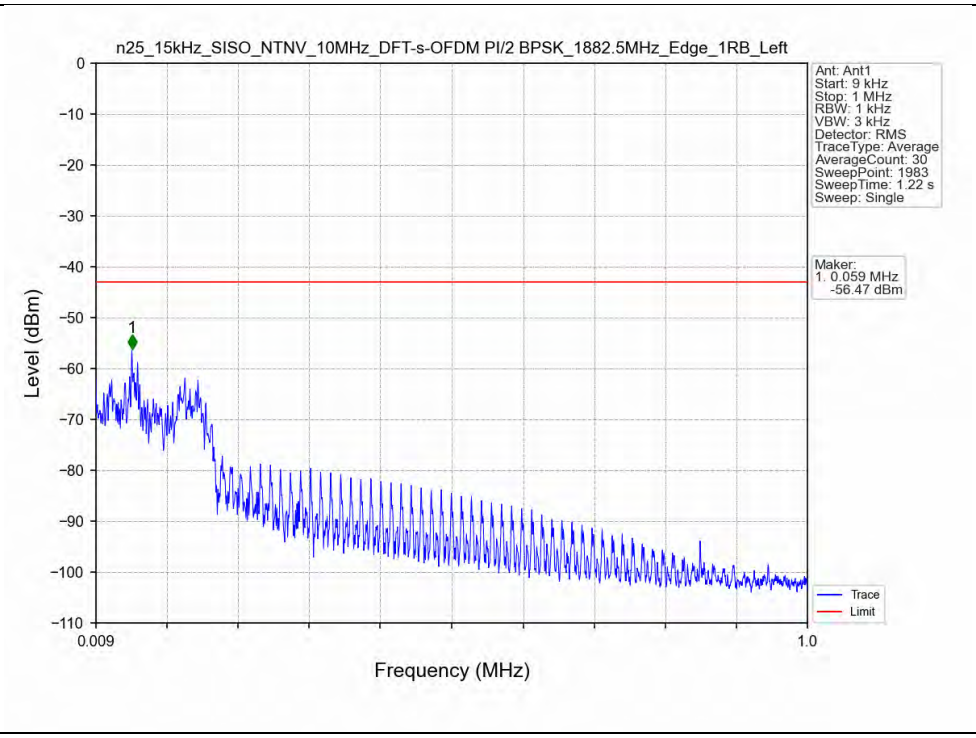

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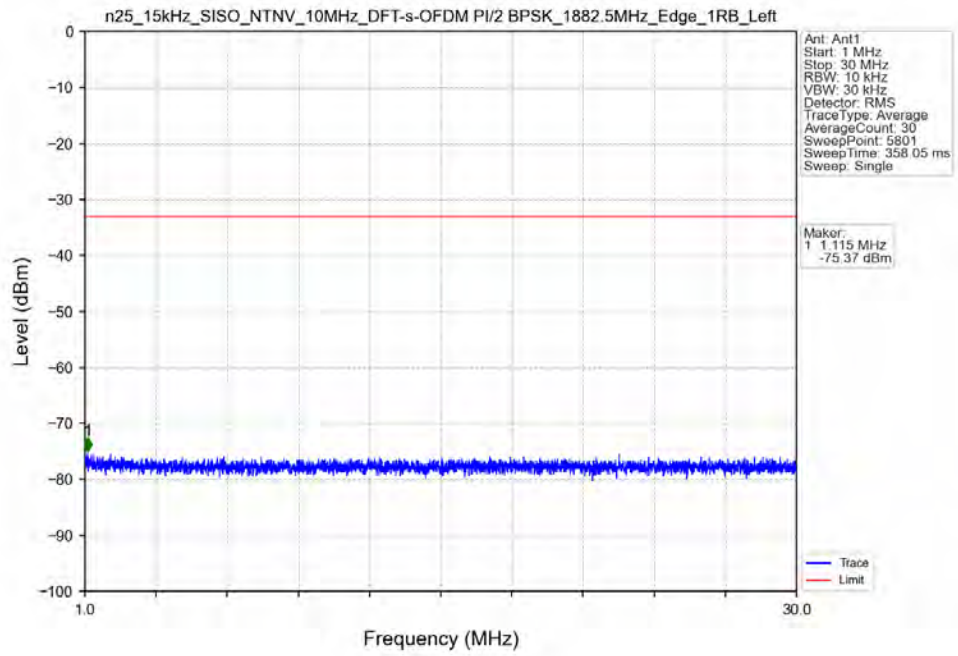
n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1882.5MHz_Edge_1RB_Left



n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1882.5MHz_Edge_1RB_Left

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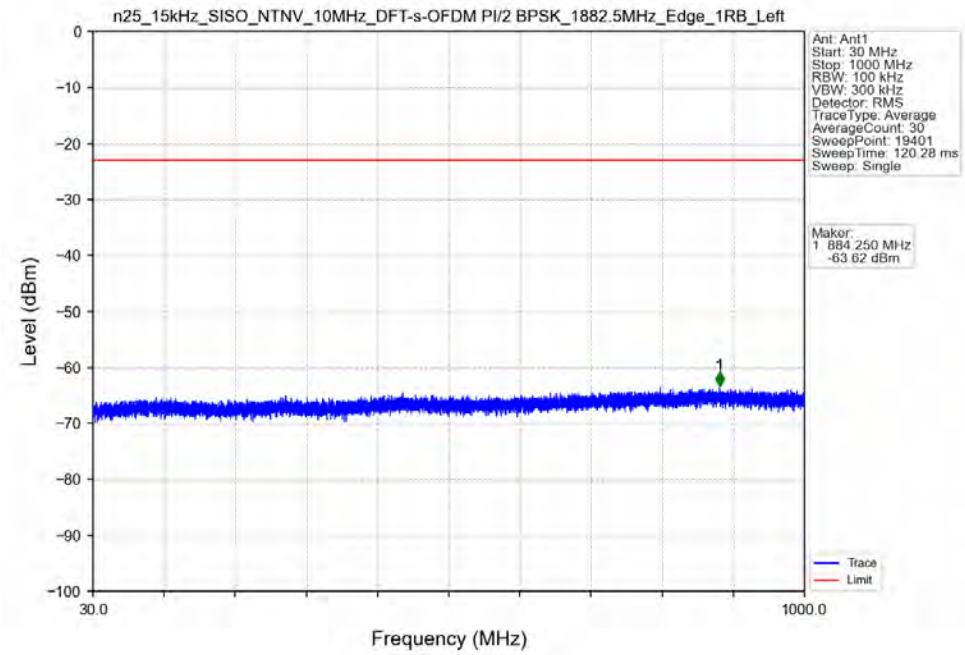

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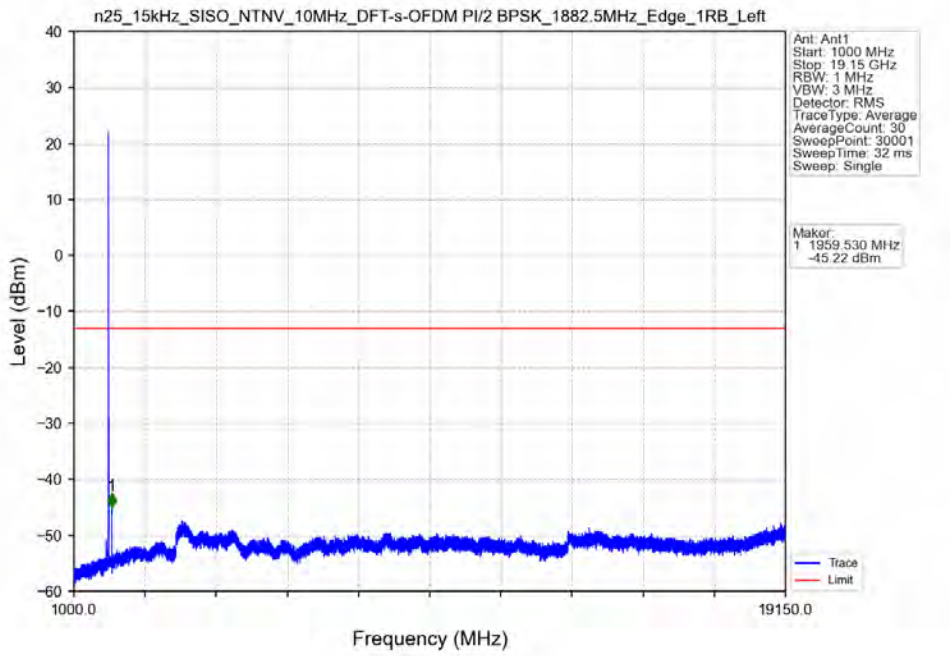

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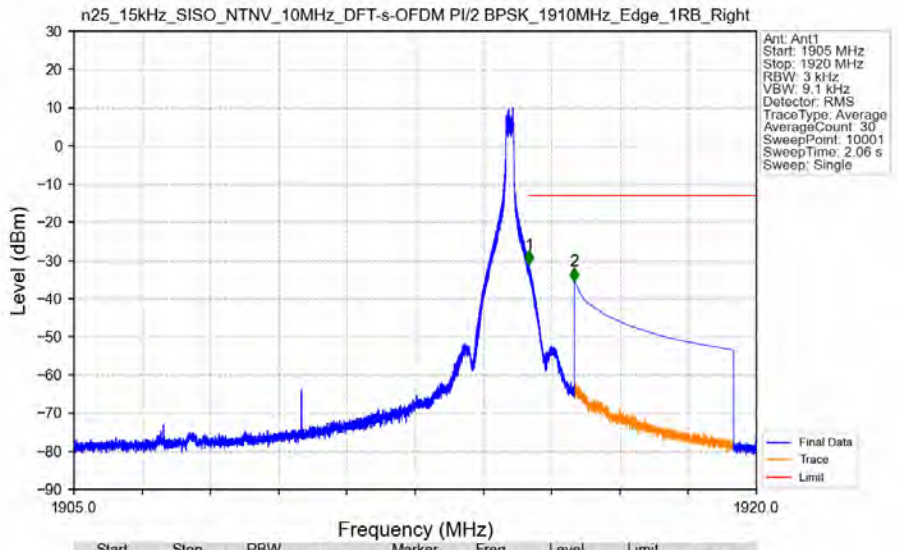

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.002	-31.18	-13	Pass
1916	1920	1	CHP	2	1916.001	-35.53	-13	Pass

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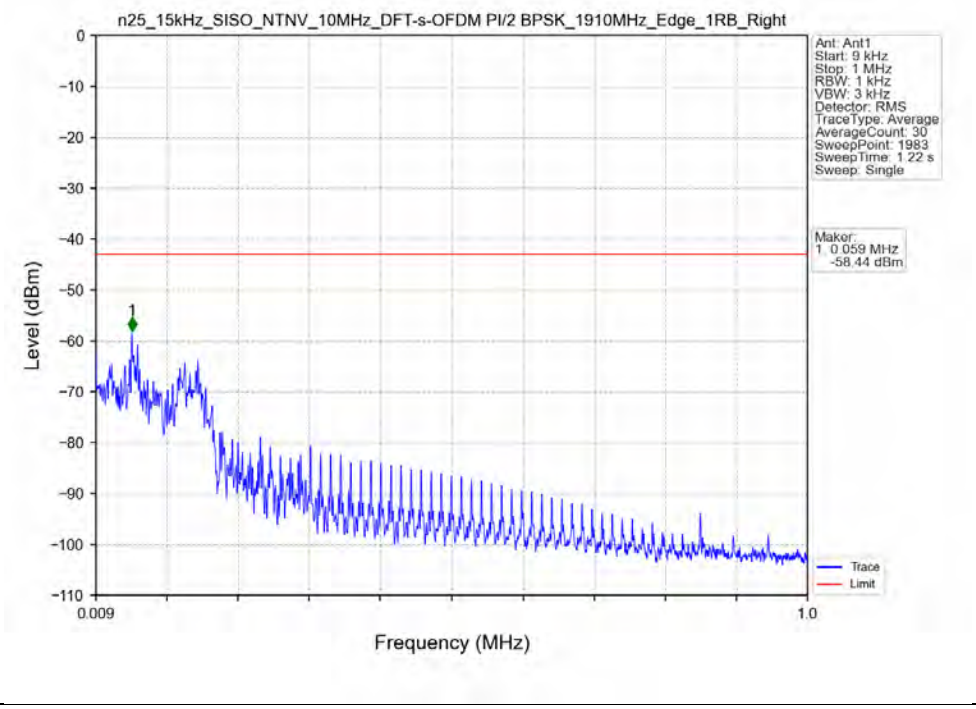

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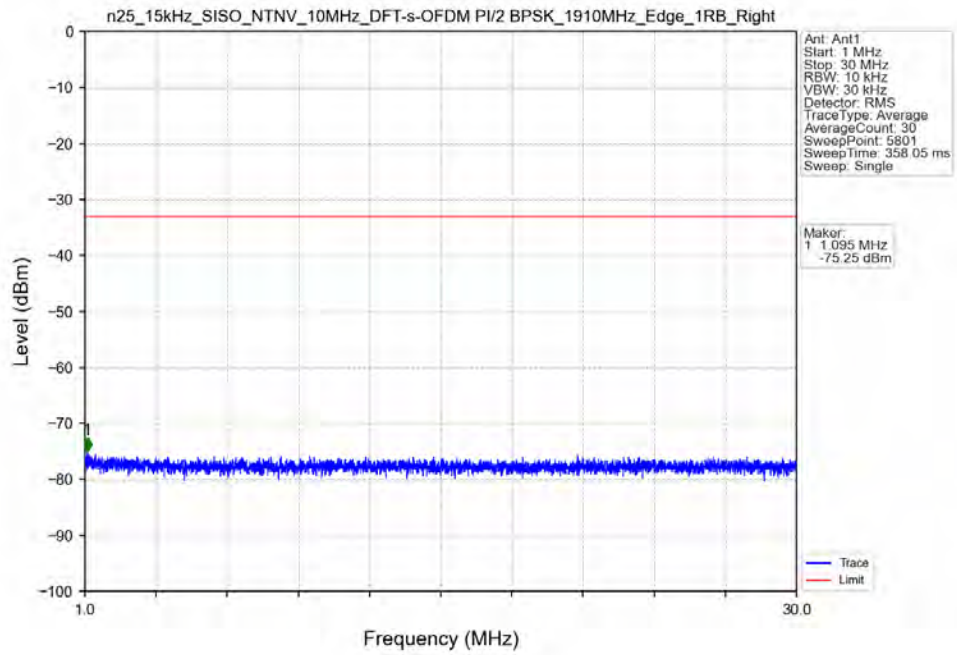

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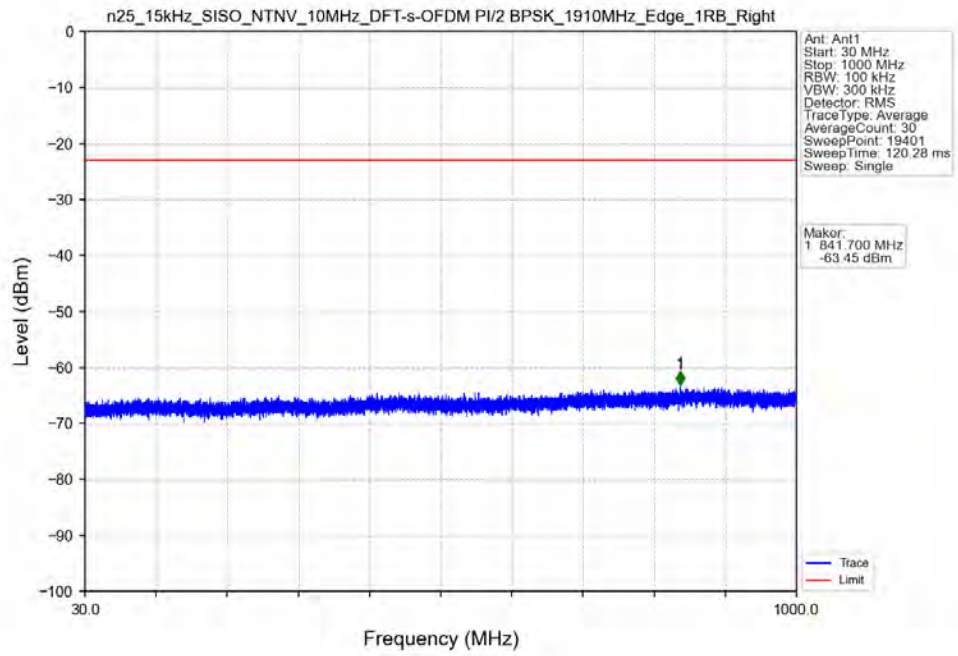

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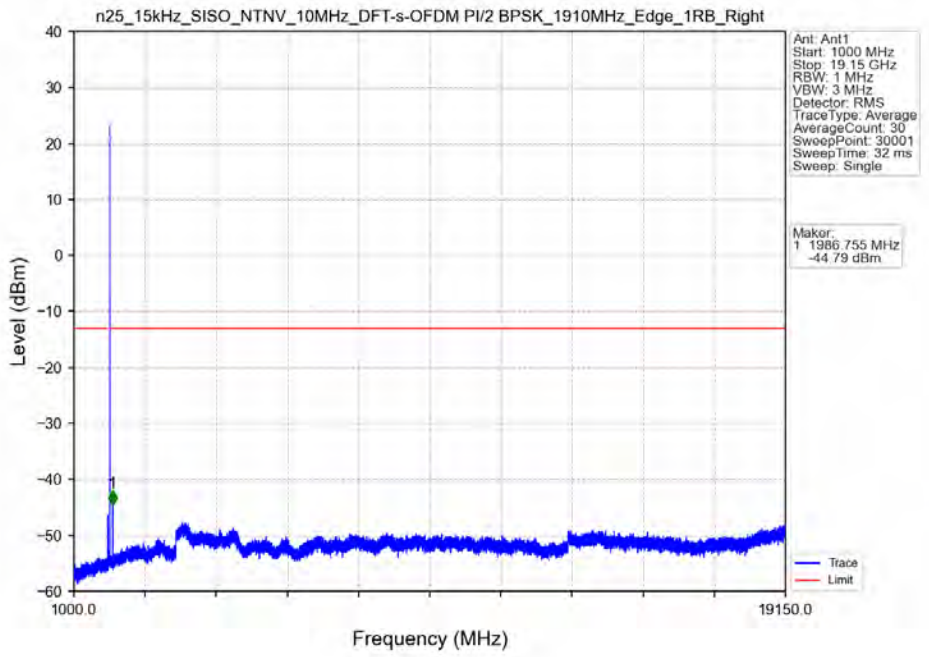

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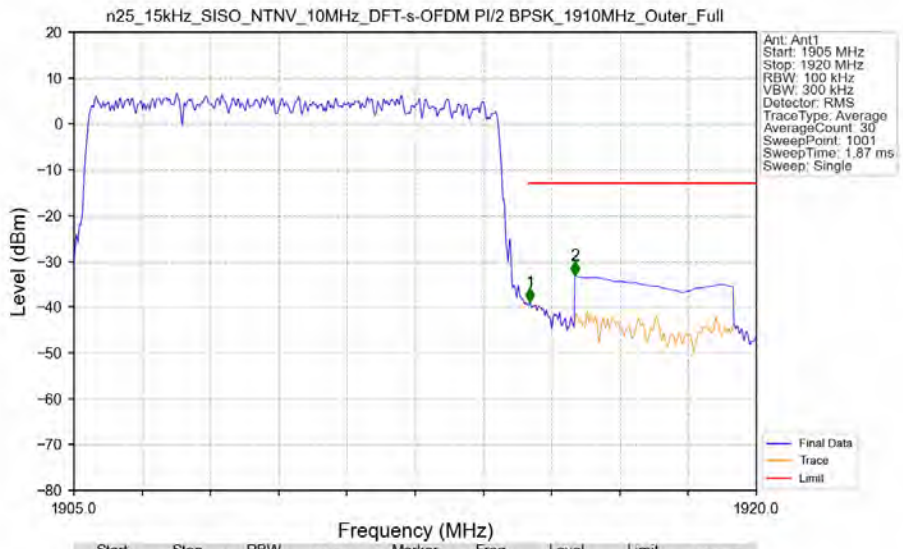

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.1	/	/	/	/	/	/
1915	1916	0.1	/	1	1915.020	-38.94	-13	Pass
1916	1920	1	CHP	2	1916.010	-33.15	-13	Pass

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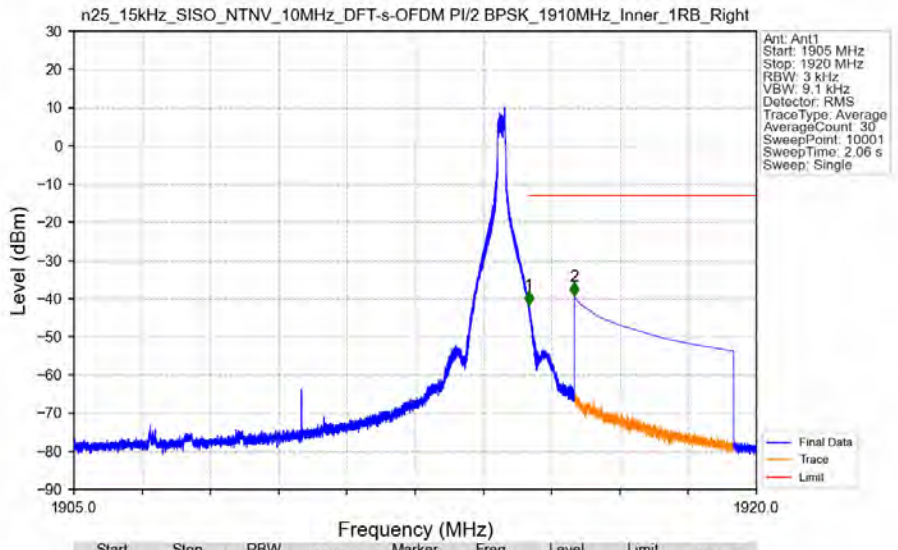

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.001	-41.77	-13	Pass
1916	1920	1	CHP	2	1916.001	-39.49	-13	Pass

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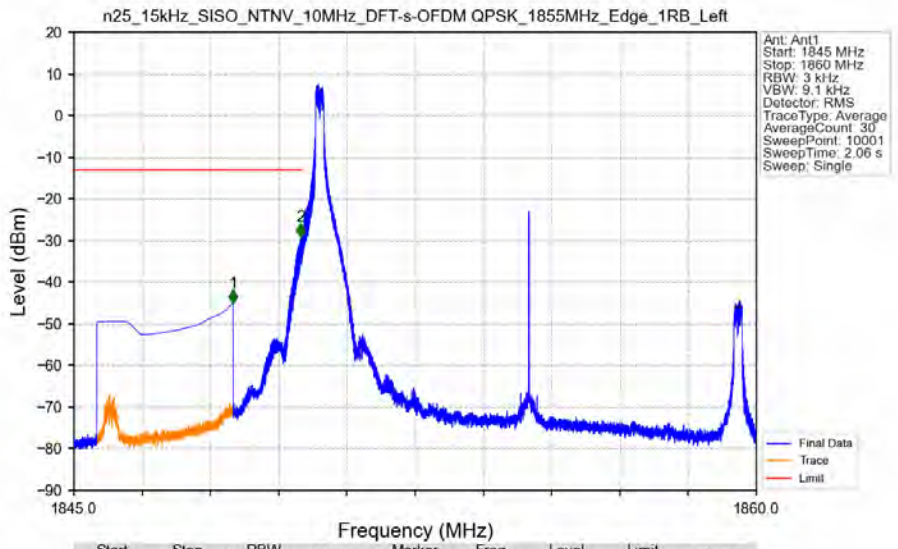
n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1855MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.499	-45.10	-13	Pass
1849	1850	0.003	/	2	1849.991	-29.19	-13	Pass
1850	1860	0.003	/	/	/	/	/	/

n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1855MHz_Edge_1RB_Left

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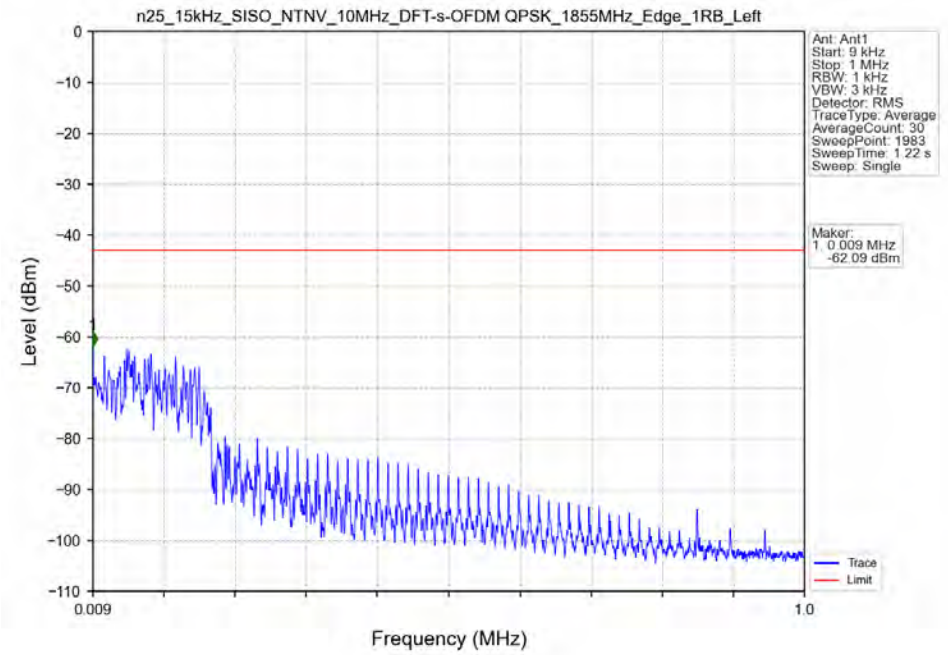

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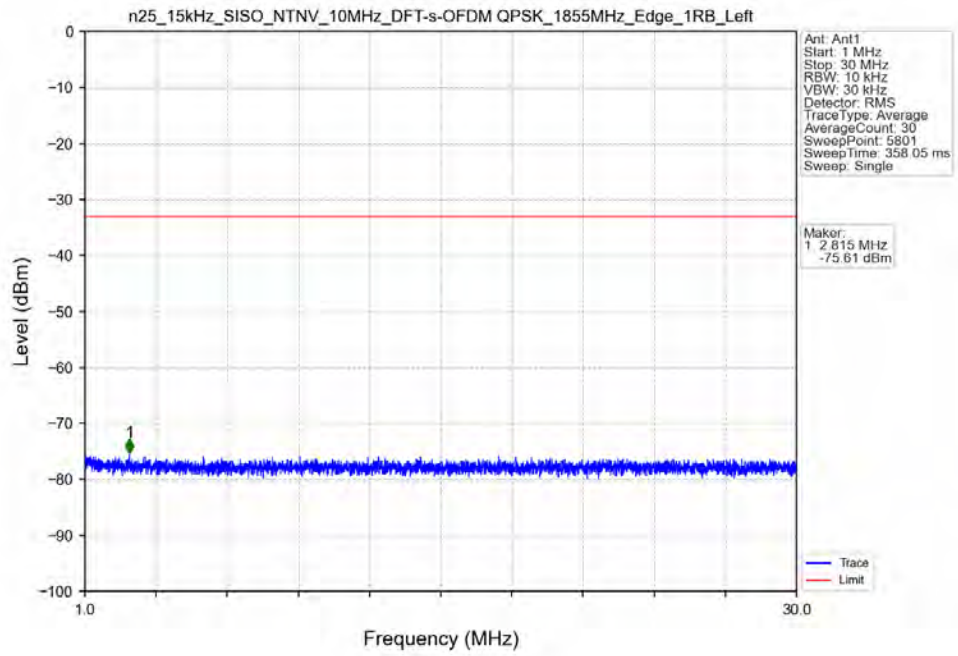
n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1855MHz_Edge_1RB_Left



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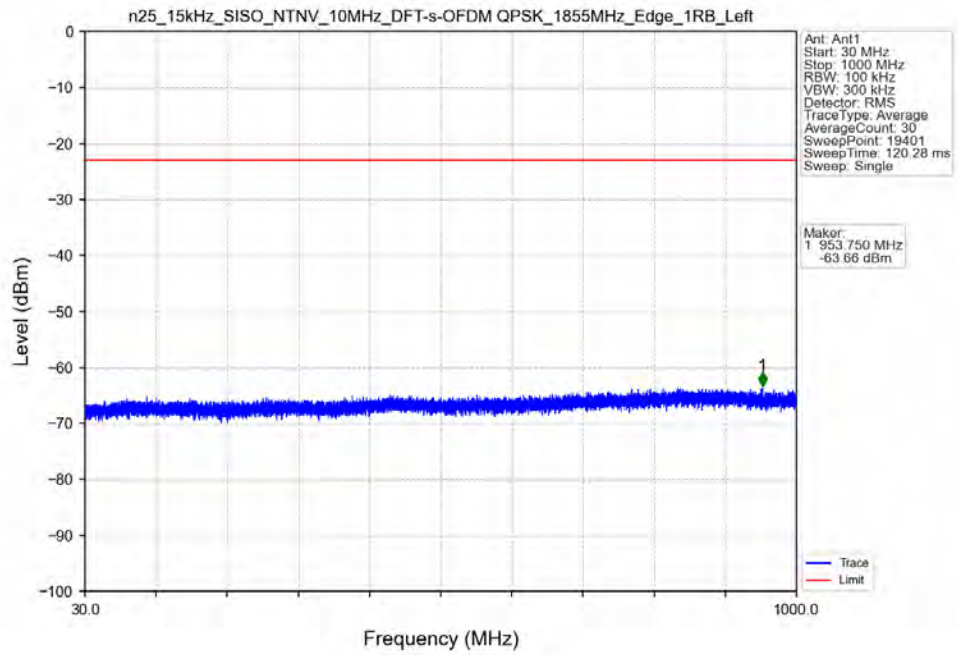

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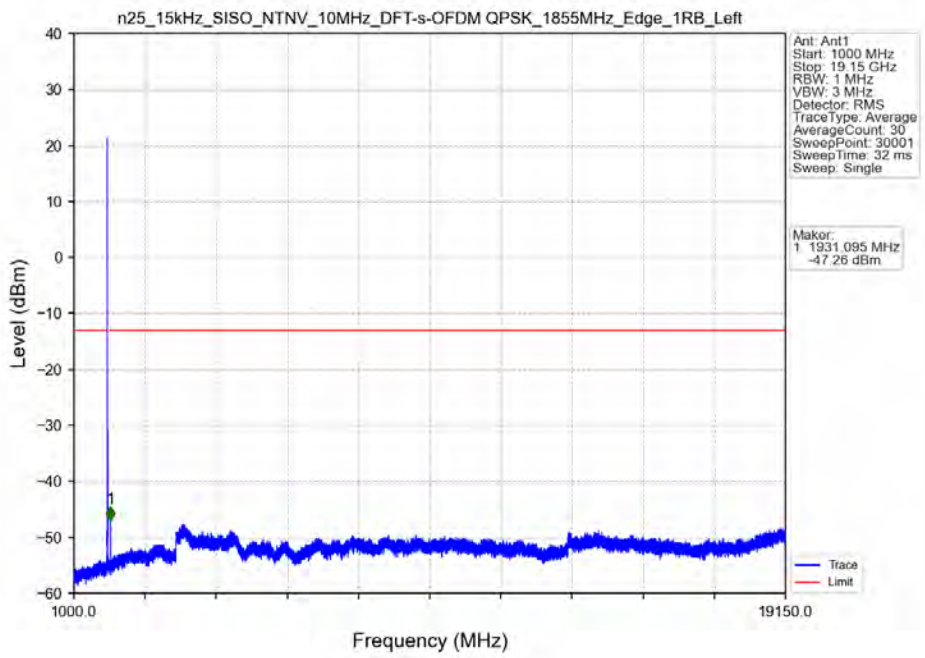

n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1855MHz_Outer_Full

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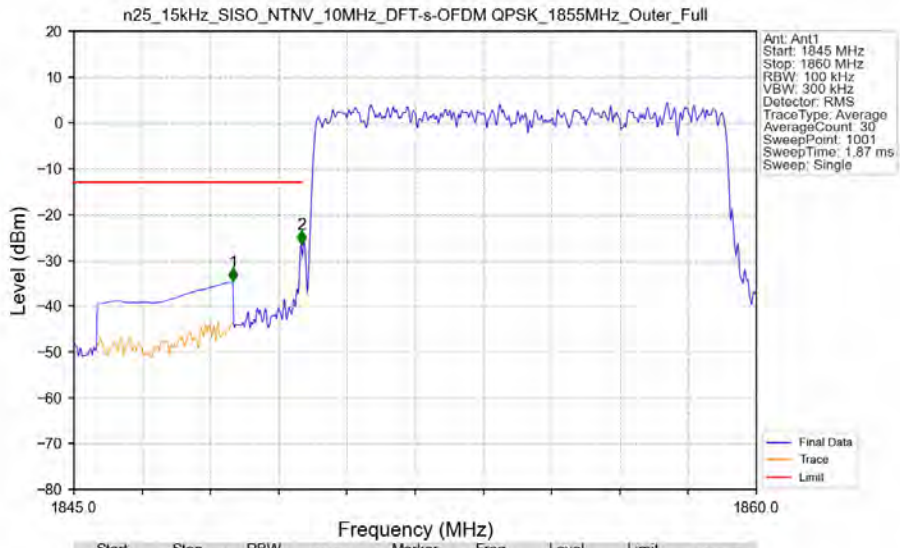

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.495	-34.65	-13	Pass
1849	1850	0.1	/	2	1849.995	-26.58	-13	Pass
1850	1860	0.1	/	/	/	/	/	/

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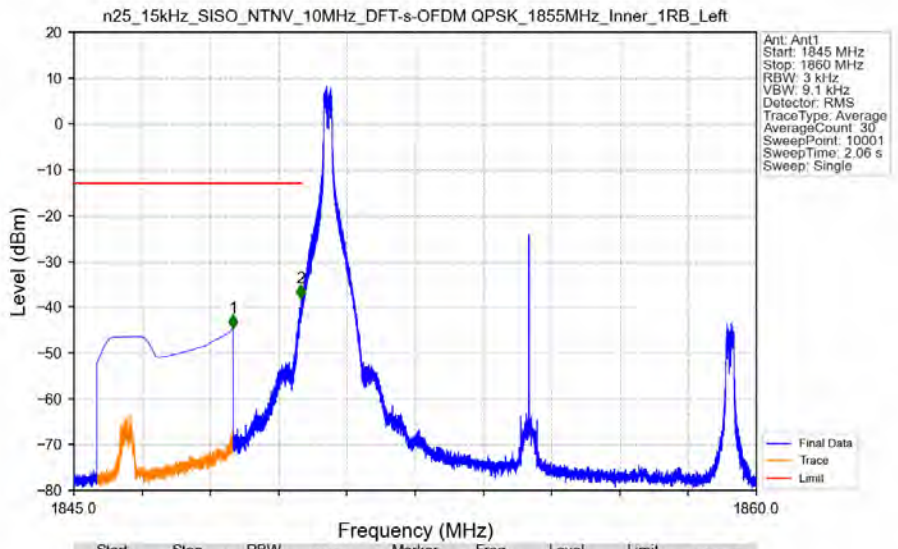

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.499	-44.65	-13	Pass
1849	1850	0.003	/	2	1849.991	-38.12	-13	Pass
1850	1860	0.003	/	/	/	/	/	/

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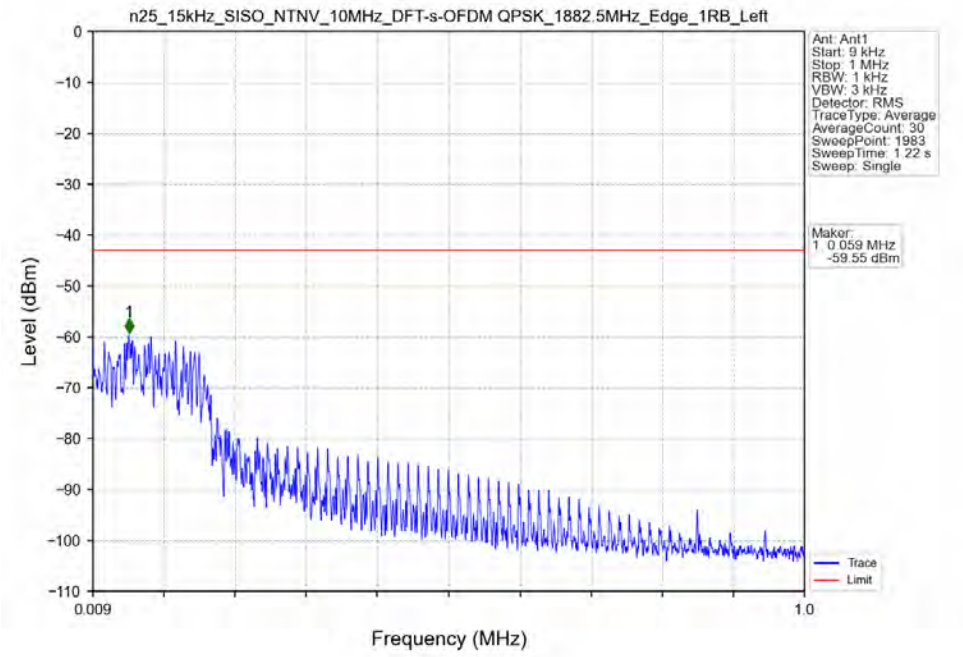

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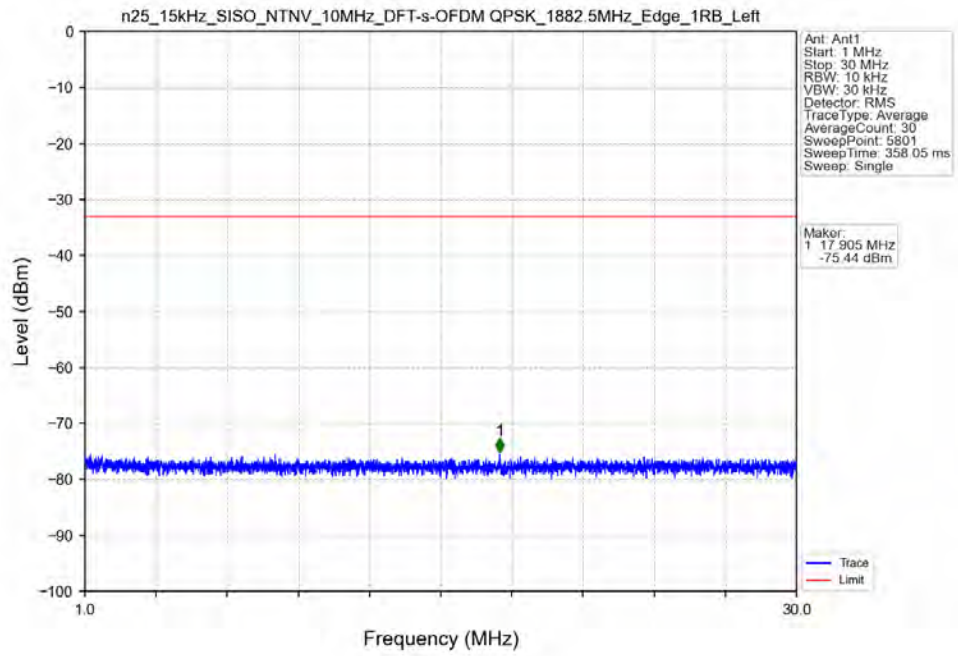
n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1882.5MHz_Edge_1RB_Left



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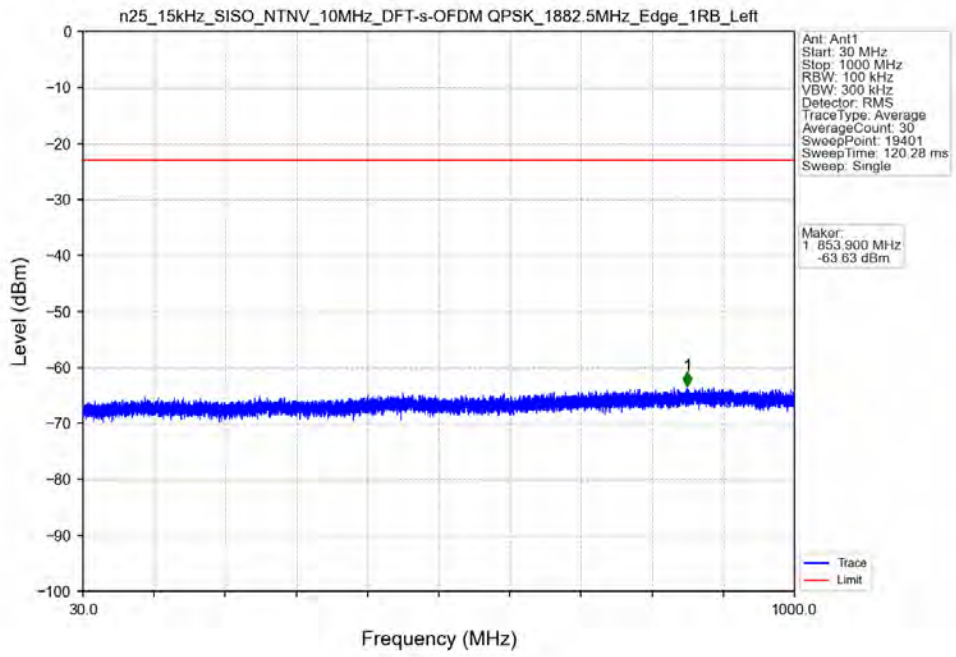

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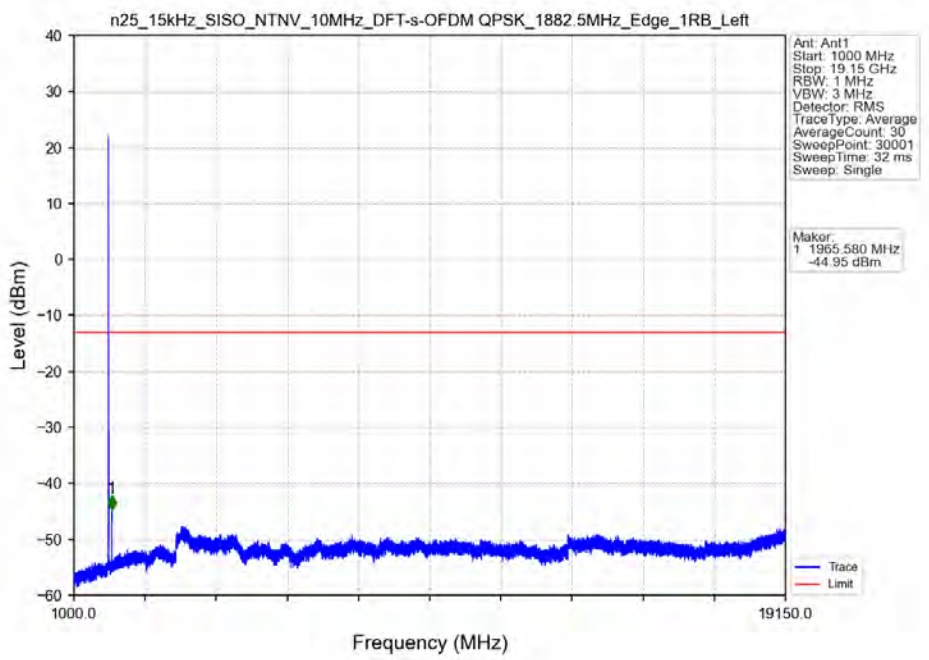

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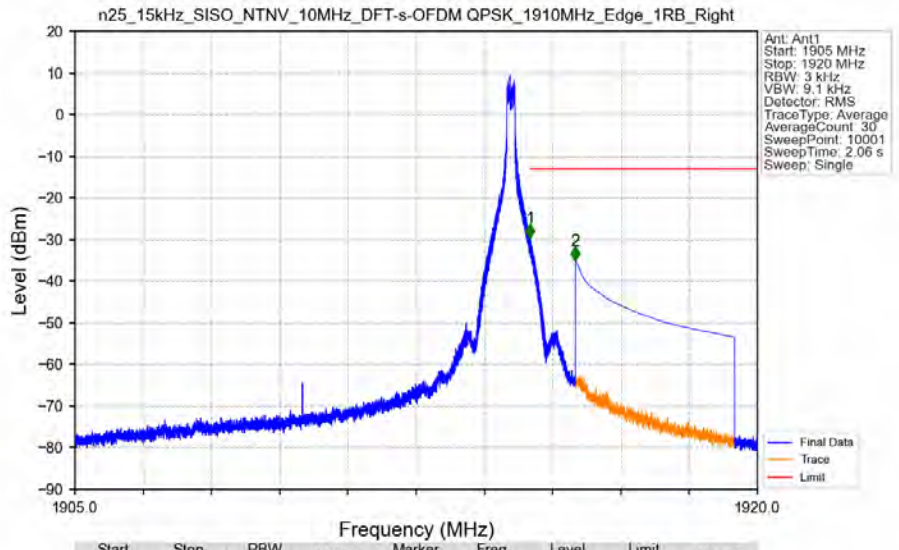

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.008	-29.66	-13	Pass
1916	1920	1	CHP	2	1916.001	-35.12	-13	Pass

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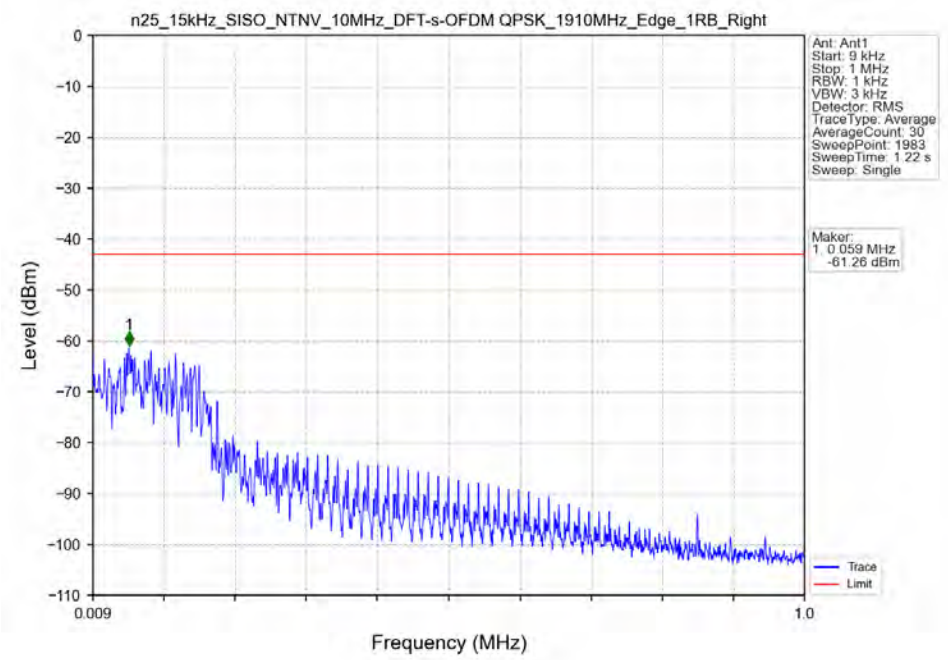
n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1910MHz_Edge_1RB_Right



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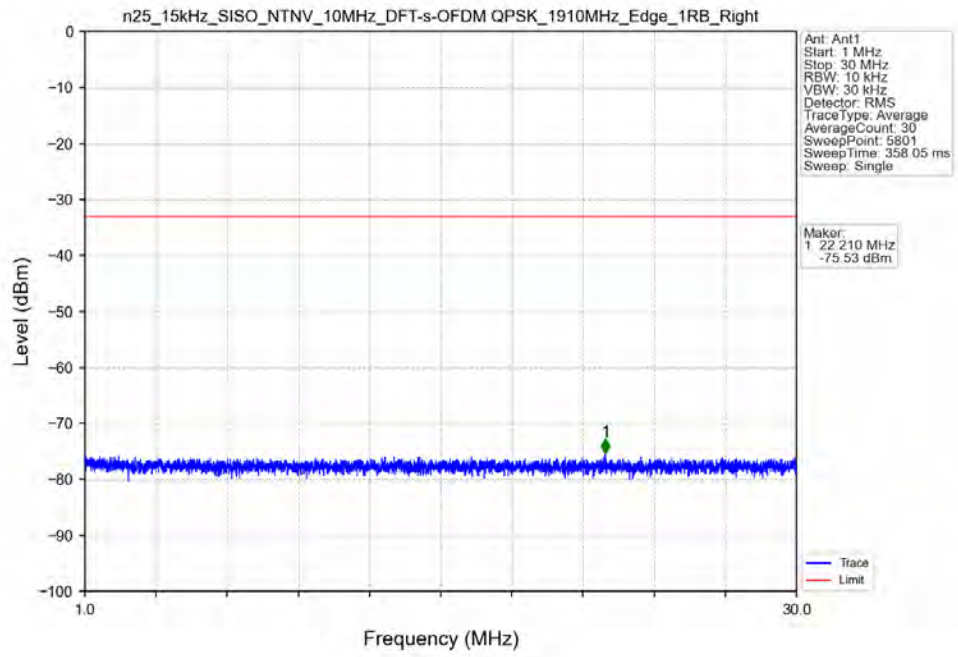

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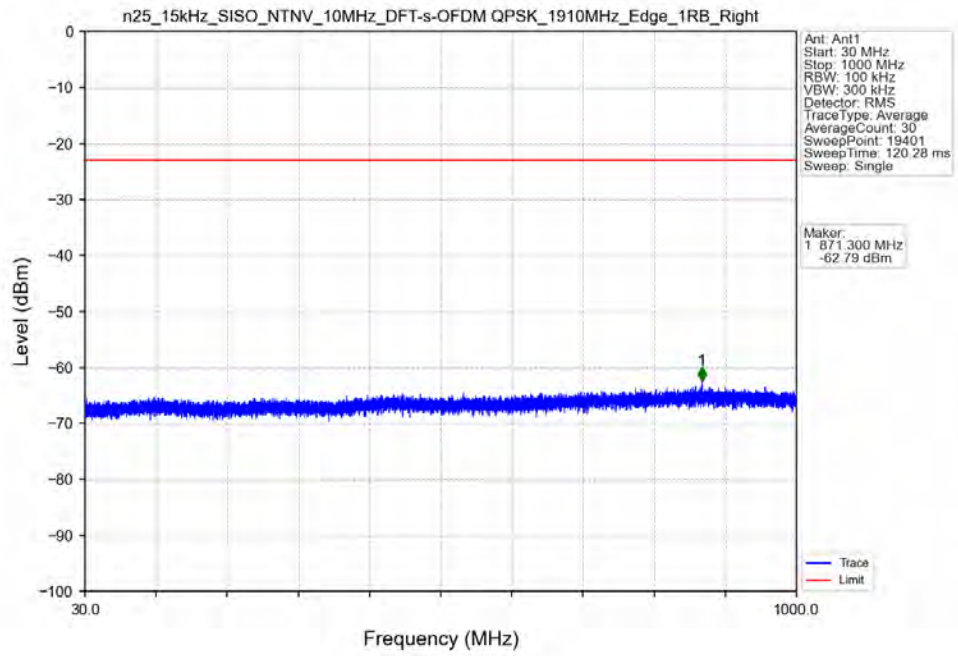

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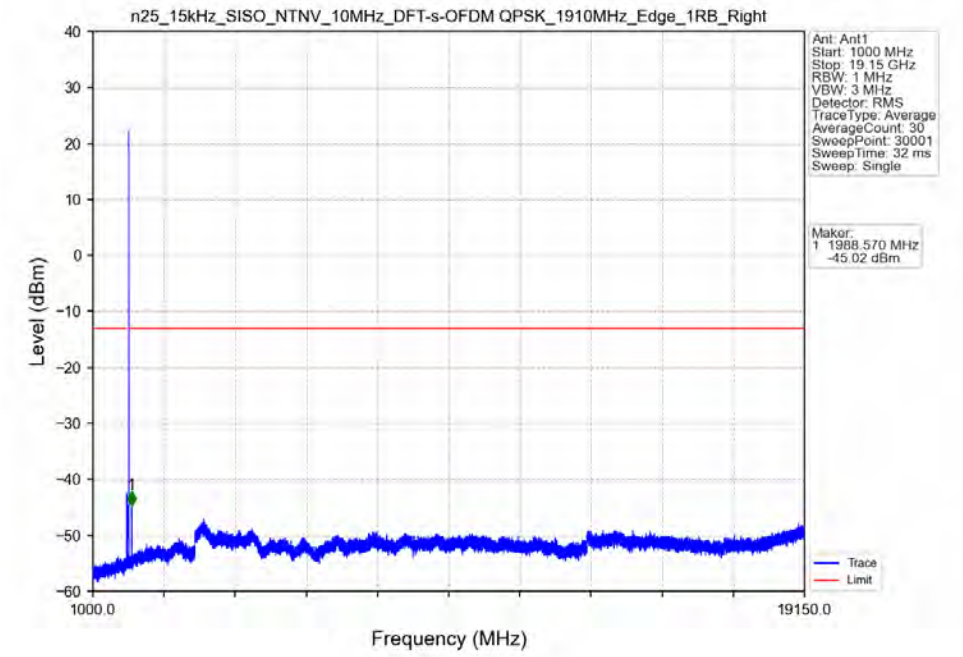

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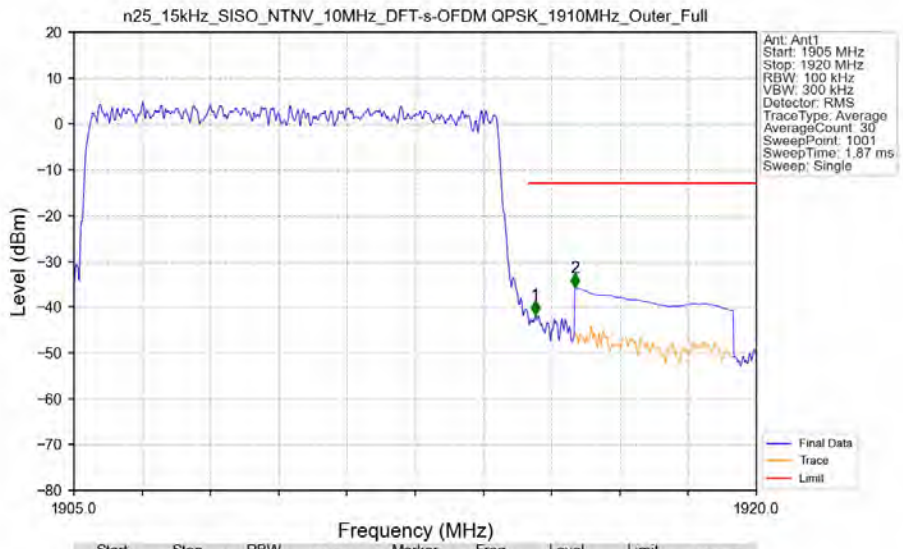

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.1	/	/	/	/	/	/
1915	1916	0.1	/	1	1915.140	-41.74	-13	Pass
1916	1920	1	CHP	2	1916.010	-35.78	-13	Pass

n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1910MHz_Inner_1RB_Right

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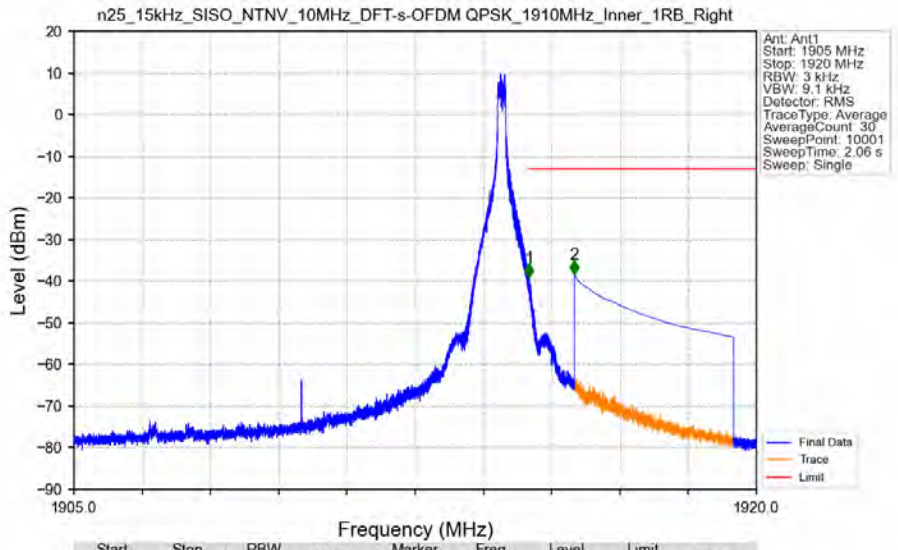

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.008	-39.21	-13	Pass
1916	1920	1	CHP	2	1916.001	-38.46	-13	Pass

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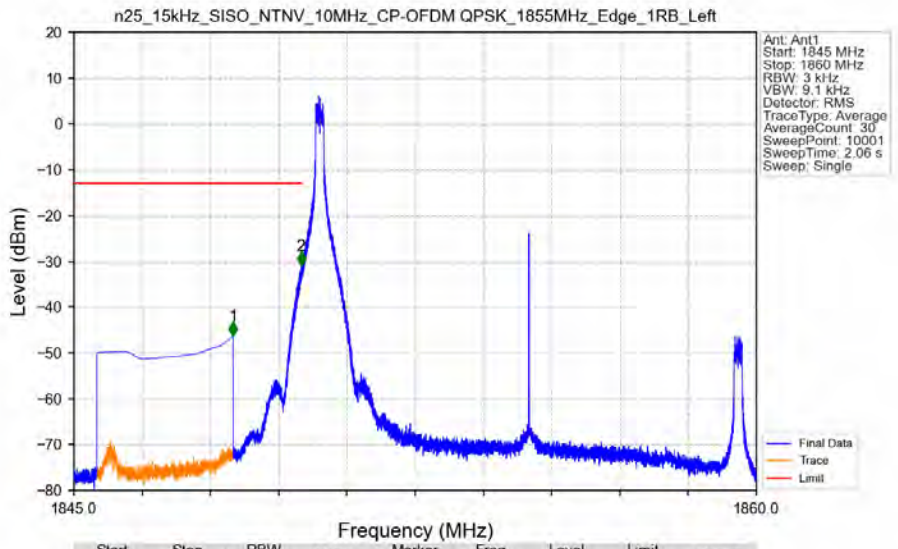

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.499	-46.33	-13	Pass
1849	1850	0.003	/	2	1849.994	-30.94	-13	Pass
1850	1860	0.003	/	/	/	/	/	/

n25_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1855MHz_Edge_1RB_Left

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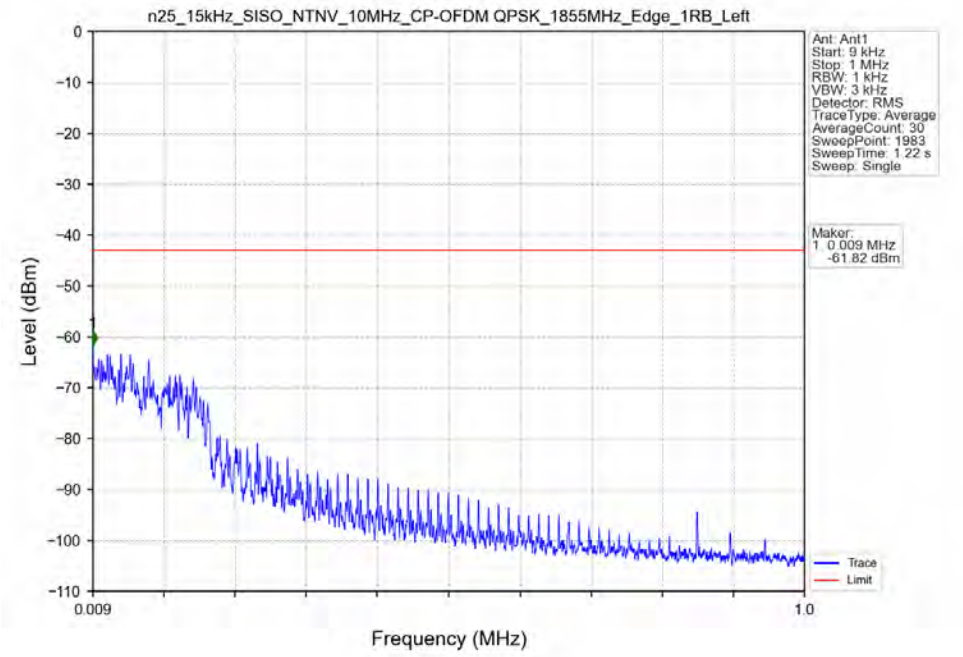

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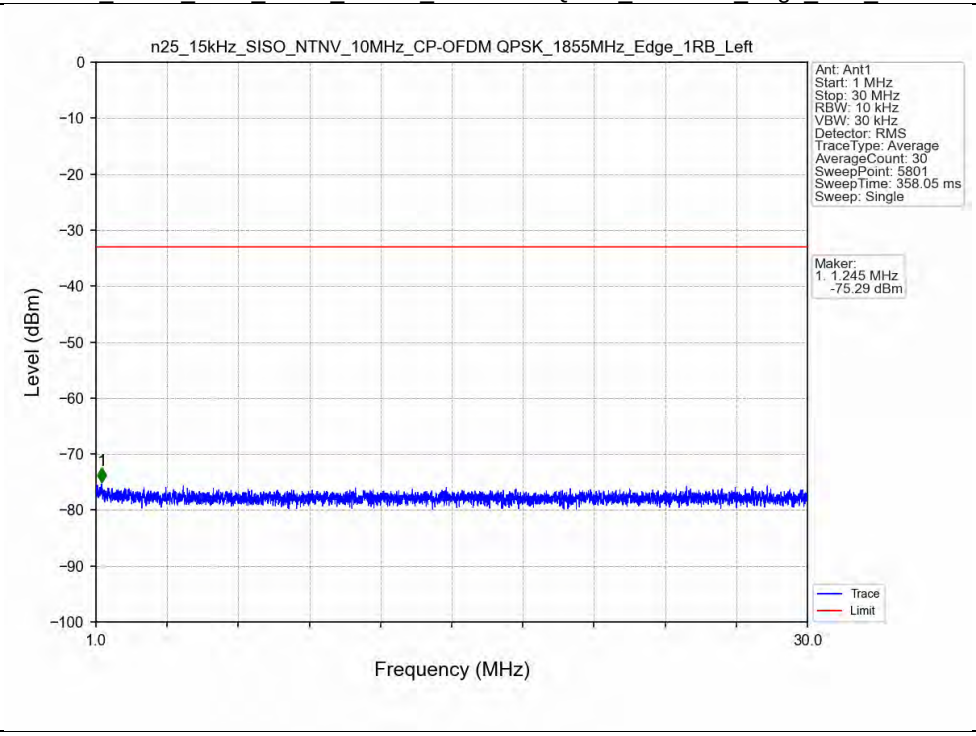

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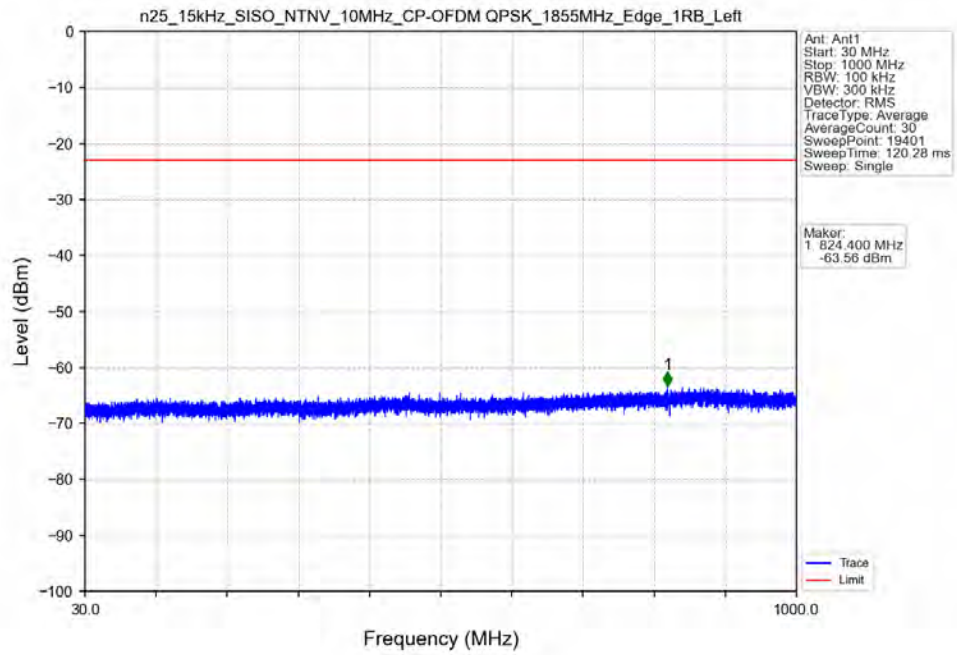

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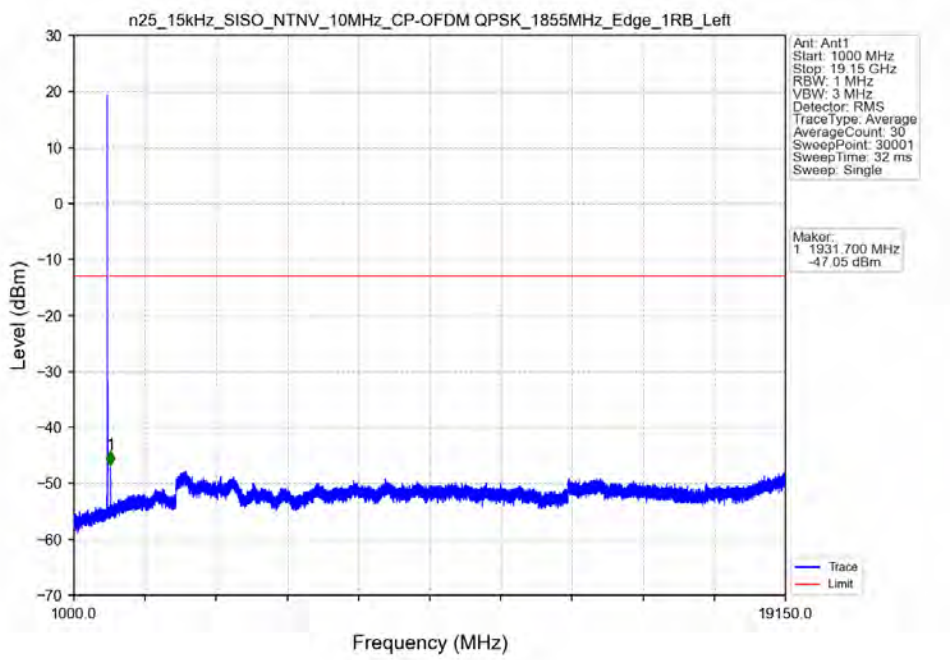

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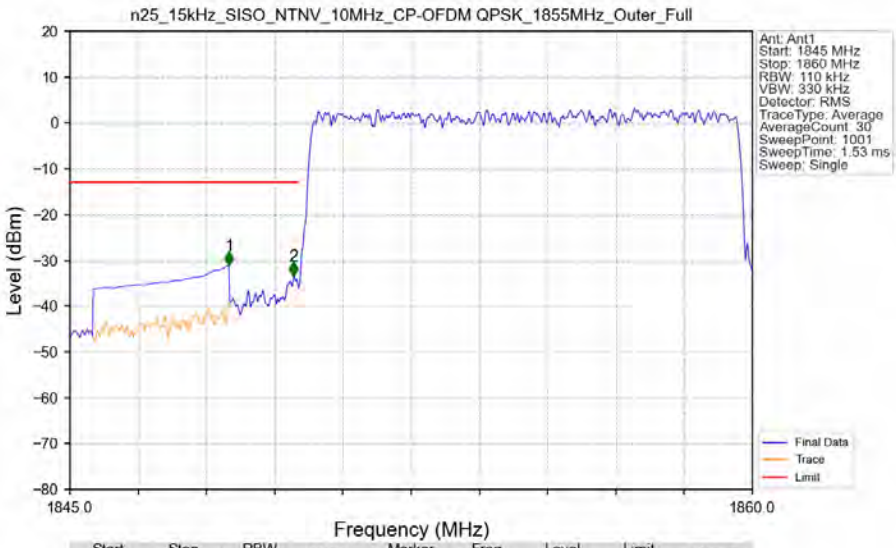

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.495	-31.18	-13	Pass
1849	1850	0.11	/	2	1849.920	-33.47	-13	Pass
1850	1860	0.11	/	/	/	/	/	/

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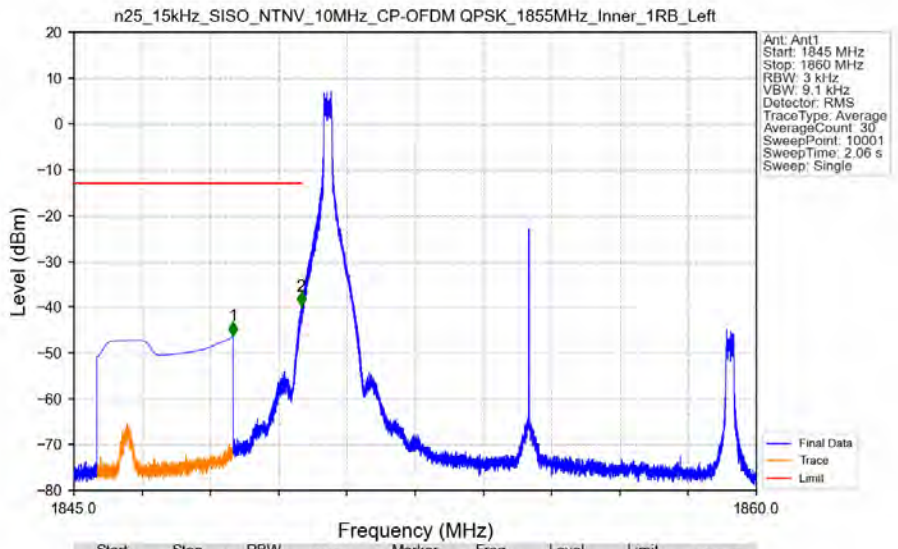

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.499	-46.24	-13	Pass
1849	1850	0.003	/	2	1849.994	-39.86	-13	Pass
1850	1860	0.003	/	/	/	/	/	/

n25_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1882.5MHz_Edge_1RB_Left

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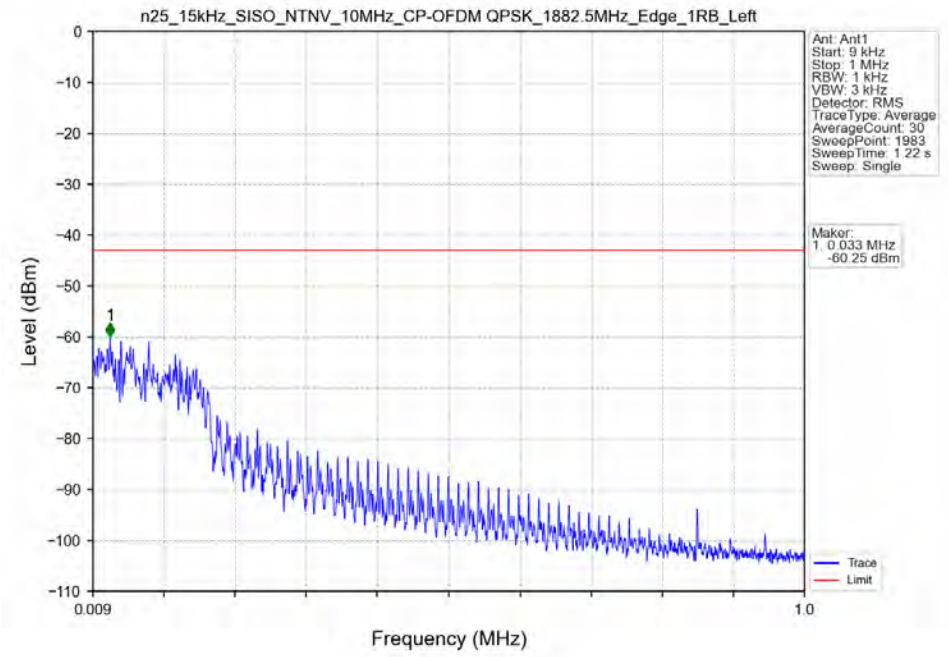

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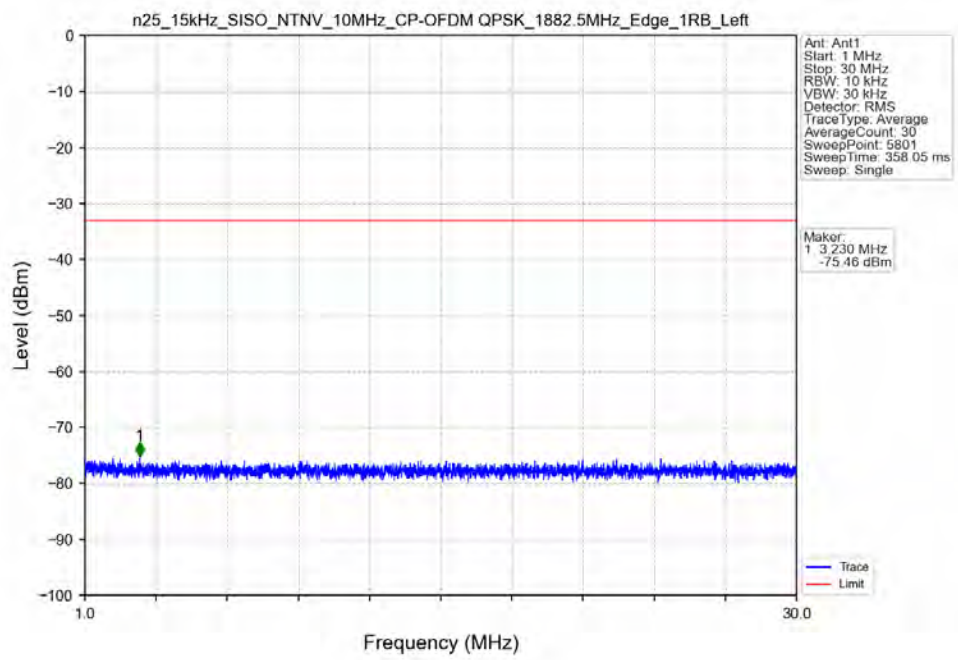
n25_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1882.5MHz_Edge_1RB_Left



n25_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1882.5MHz_Edge_1RB_Left

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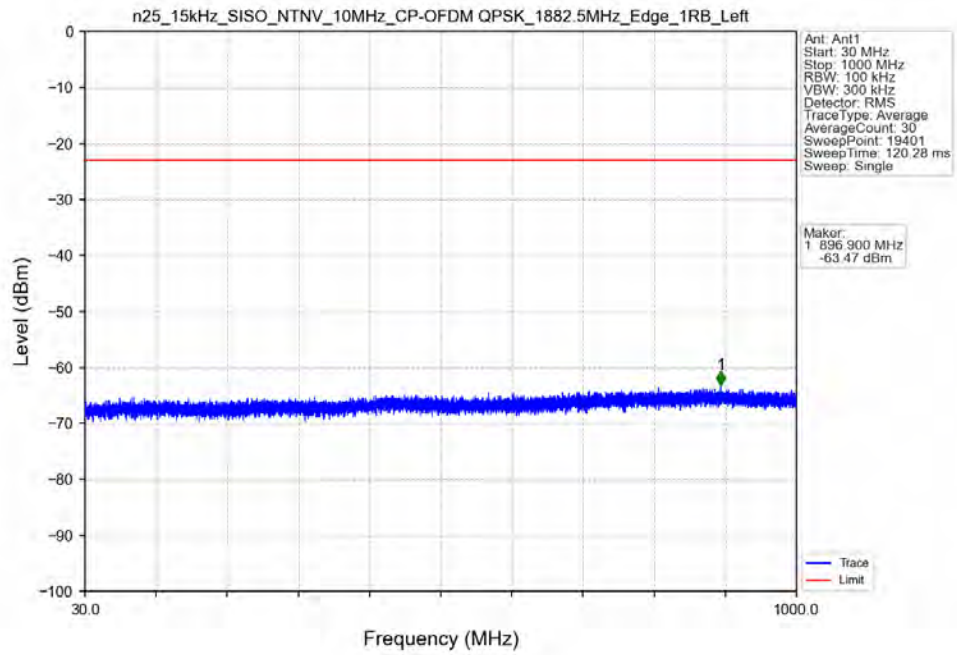

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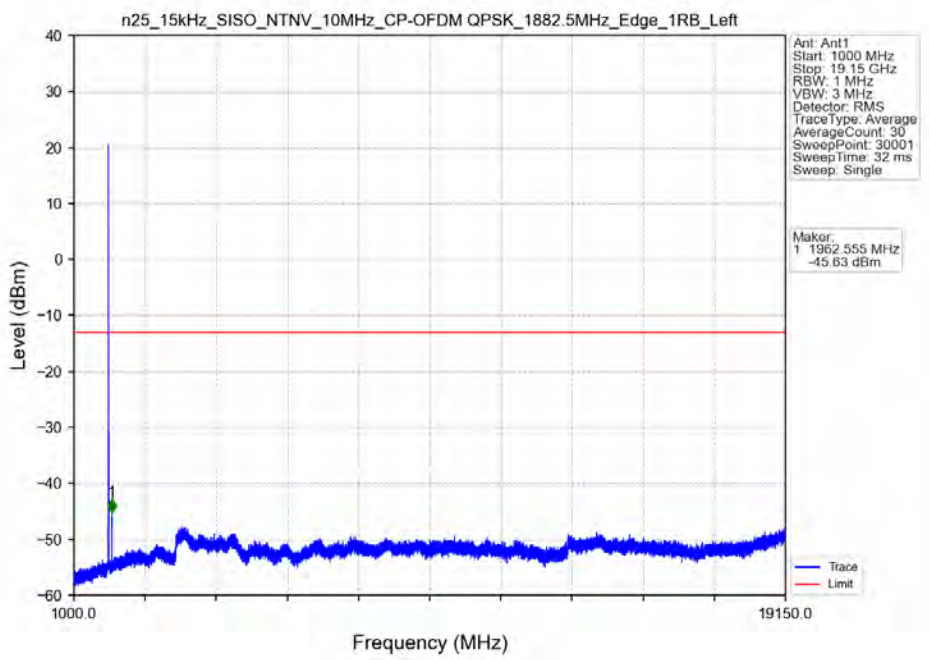

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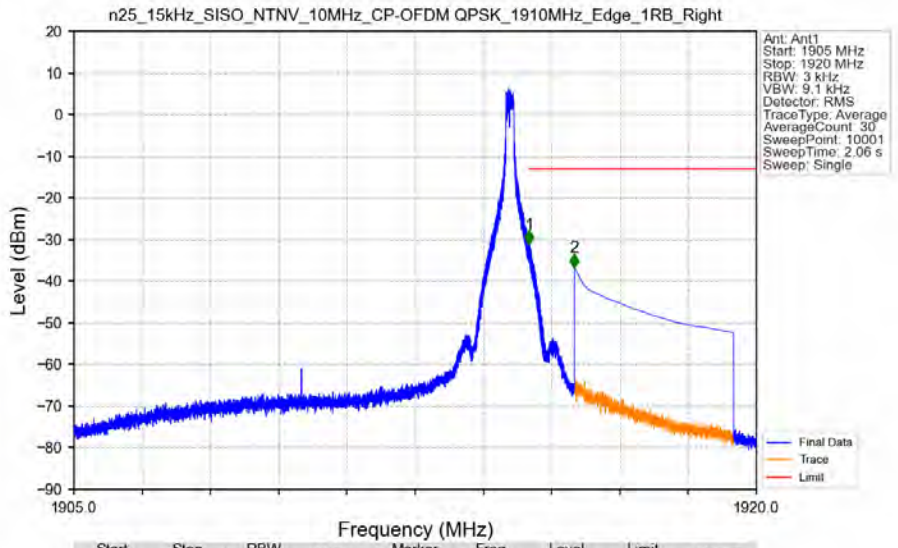

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.005	-31.19	-13	Pass
1916	1920	1	CHP	2	1916.001	-36.76	-13	Pass

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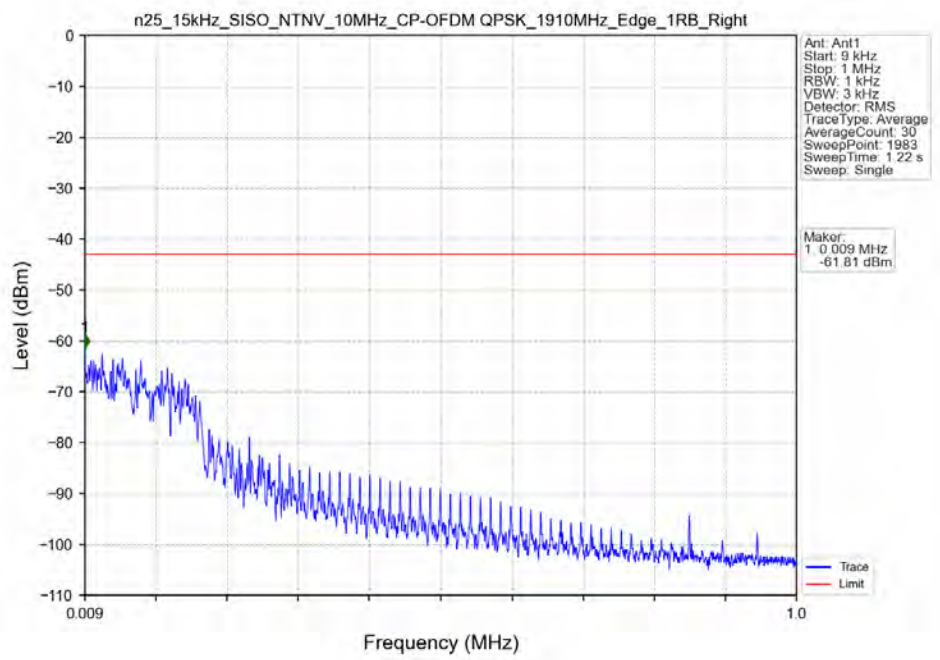

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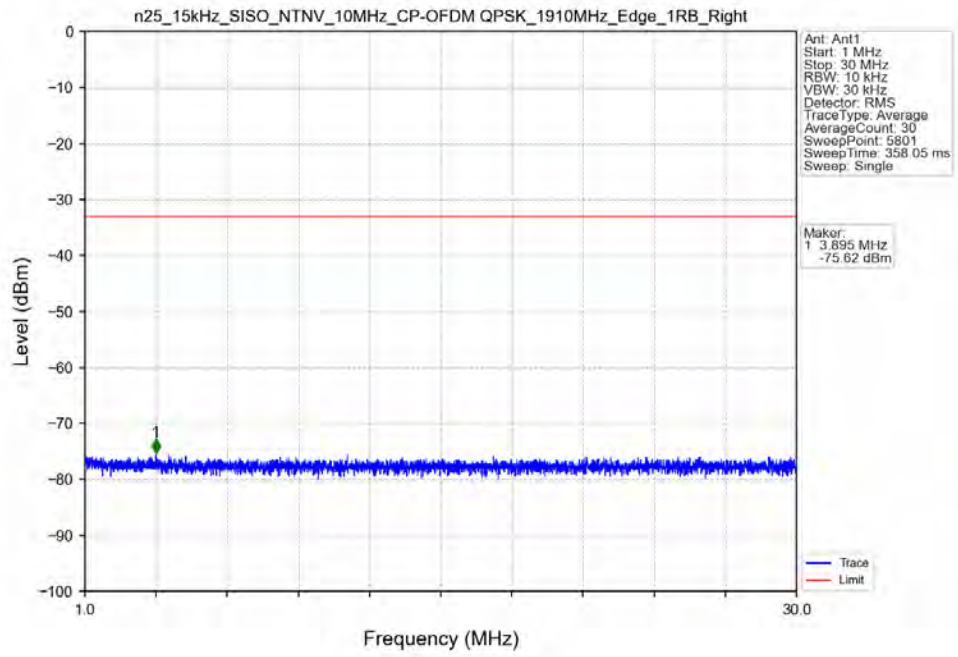

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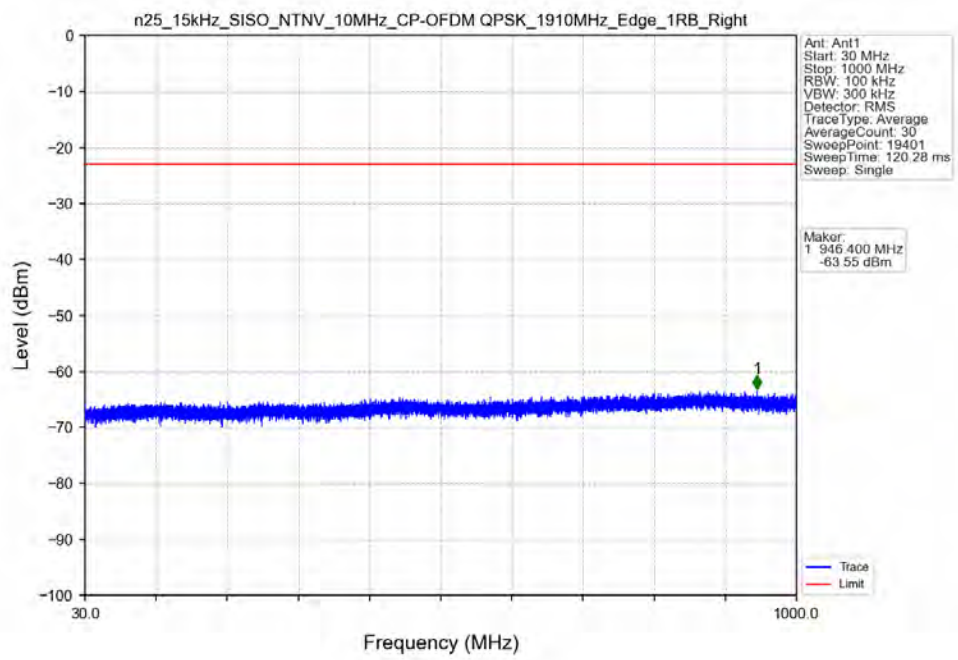

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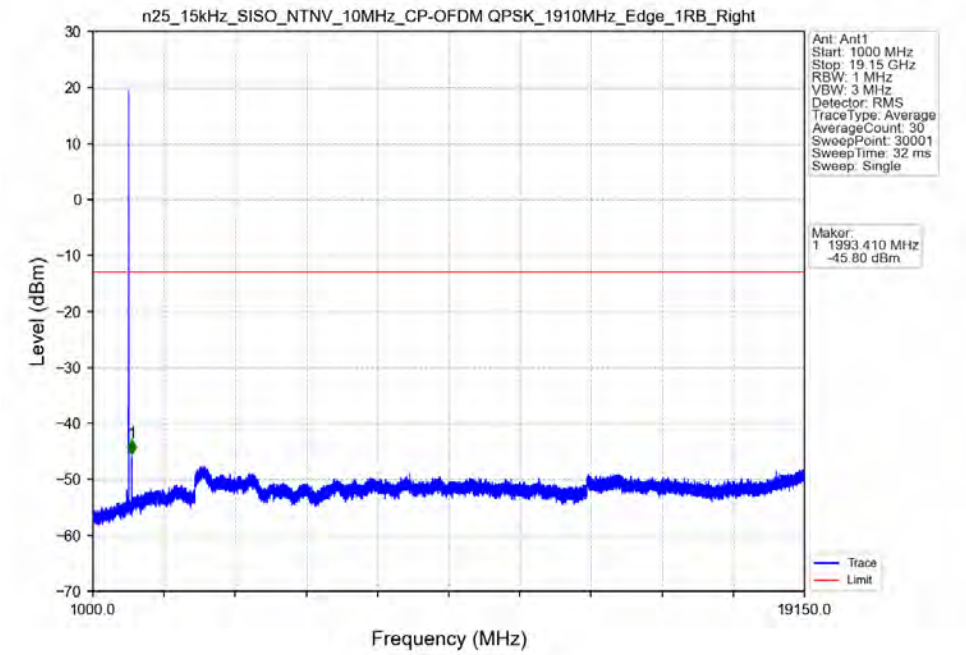

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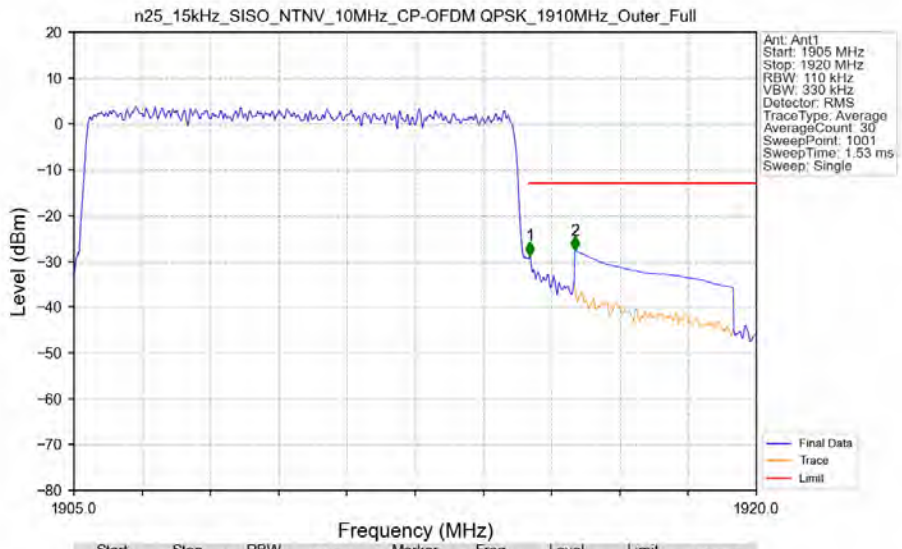

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.11	/	/	/	/	/	/
1915	1916	0.11	/	1	1915.020	-28.76	-13	Pass
1916	1920	1	CHP	2	1916.010	-27.62	-13	Pass

n25_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1910MHz_Inner_1RB_Right

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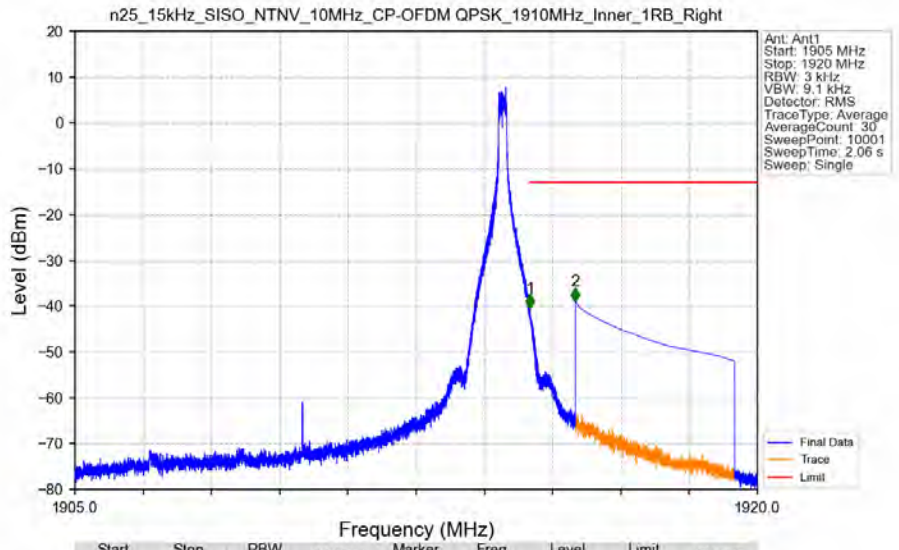

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1905	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.006	-40.49	-13	Pass
1916	1920	1	CHP	2	1916.001	-39.01	-13	Pass

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5.3 15k_SISO_15MHz_NTNV

5.3.1 Test Result

5G NR n25 SCS=15kHz SISO 15MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1857.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	1882.5	Edge_1RB_Left	Refer To Test Graph				Pass
	1907.5	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	1857.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	1882.5	Edge_1RB_Left	Refer To Test Graph				Pass
	1907.5	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	1857.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	1882.5	Edge_1RB_Left	Refer To Test Graph				Pass
	1907.5	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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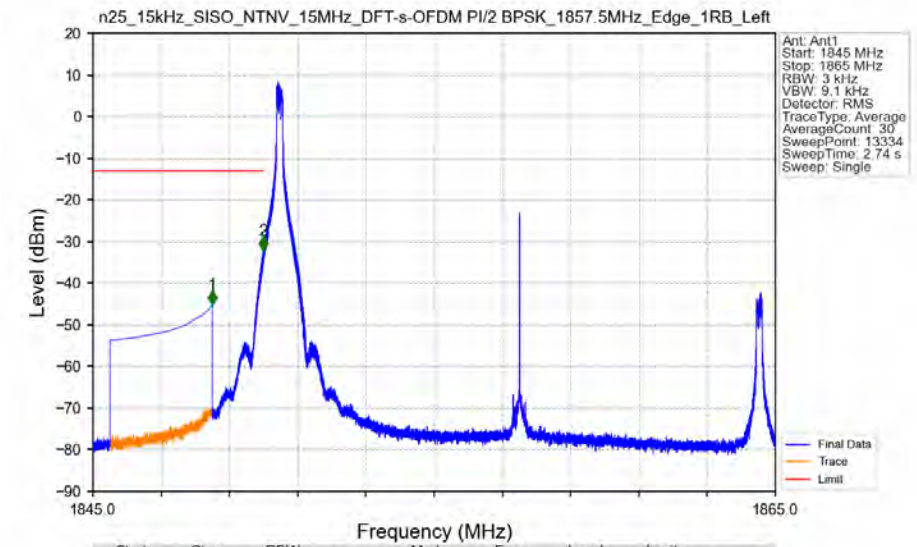
5.3.2 Test Graph

n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1857.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-45.24	-13	Pass
1849	1850	0.003	/	2	1849.994	-32.17	-13	Pass
1850	1865	0.003	/	/	/	/	/	/

n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1857.5MHz_Edge_1RB_Left

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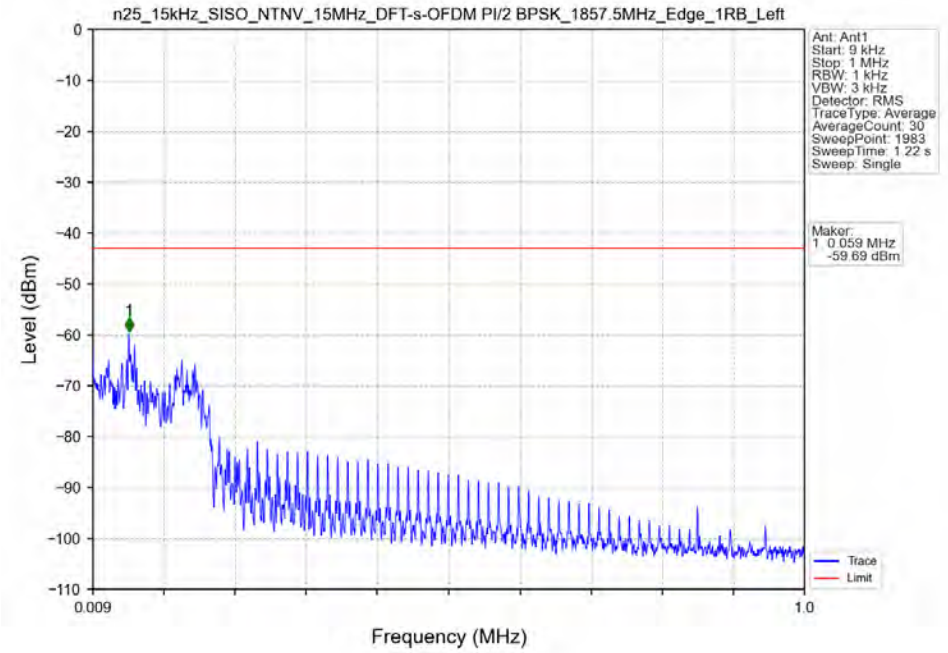

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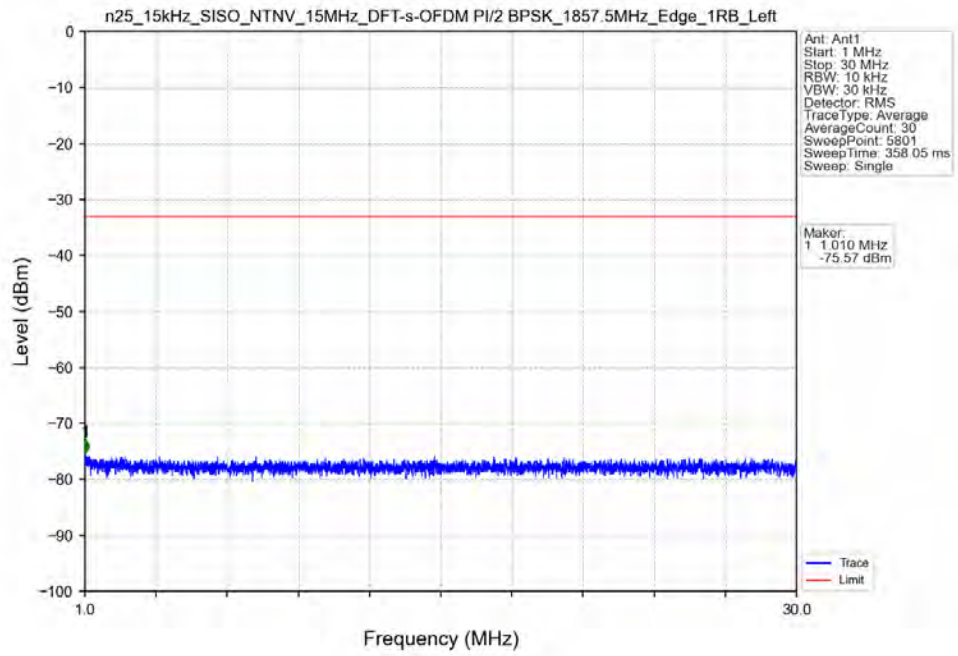
n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1857.5MHz_Edge_1RB_Left



n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1857.5MHz_Edge_1RB_Left

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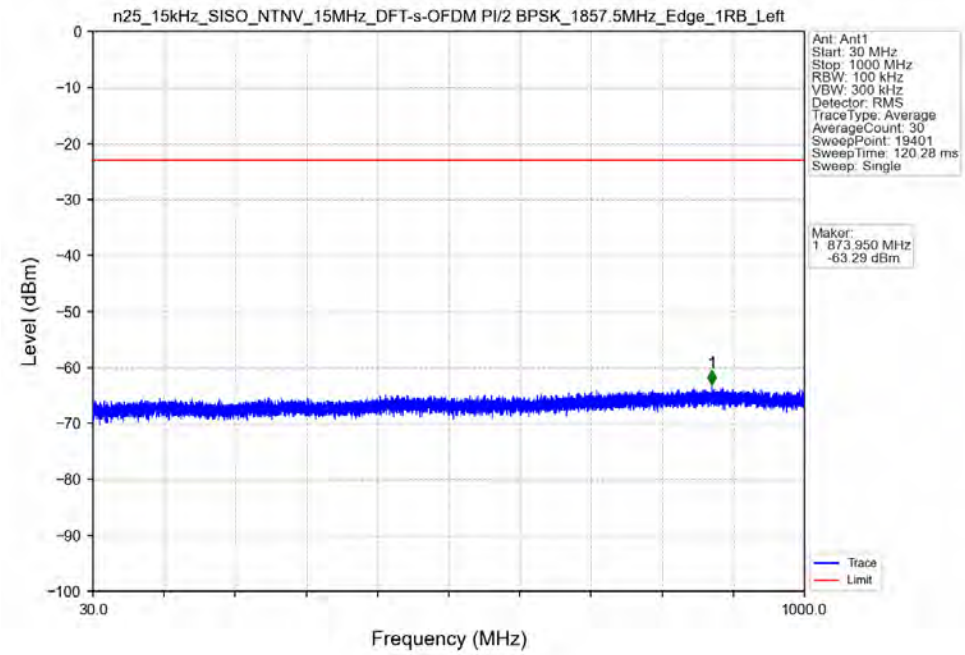

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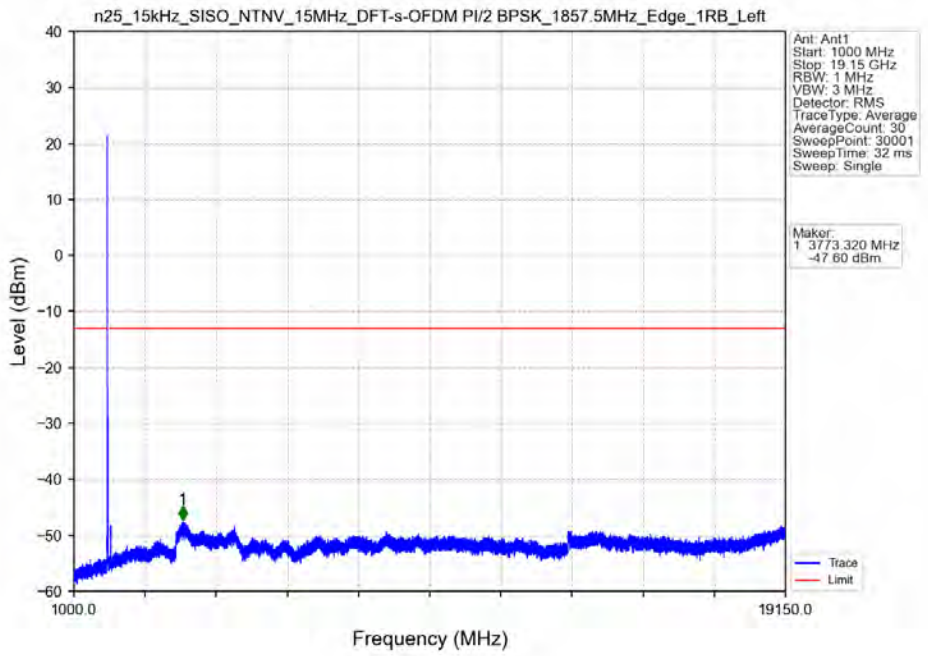
n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1857.5MHz_Edge_1RB_Left



n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1857.5MHz_Outer_Full

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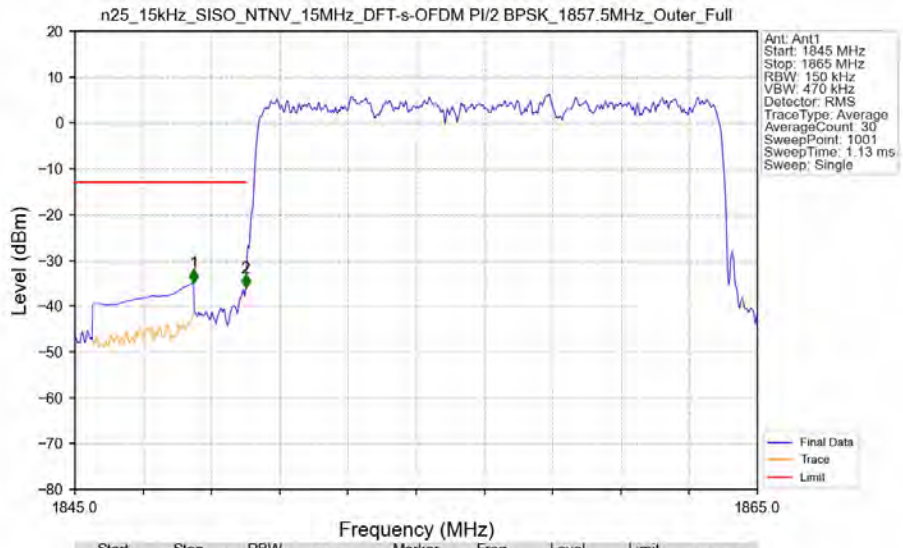

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.480	-34.94	-13	Pass
1849	1850	0.15	/	2	1850.000	-36.08	-13	Pass
1850	1865	0.15	/	/	/	/	/	/

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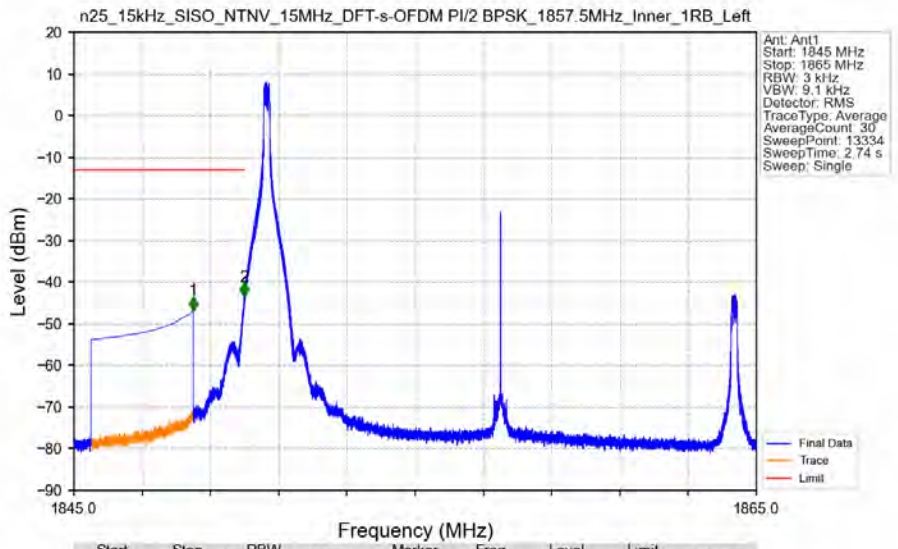

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-46.83	-13	Pass
1849	1850	0.003	/	2	1849.992	-43.40	-13	Pass
1850	1865	0.003	/	/	/	/	/	/

n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1882.5MHz_Edge_1RB_Left

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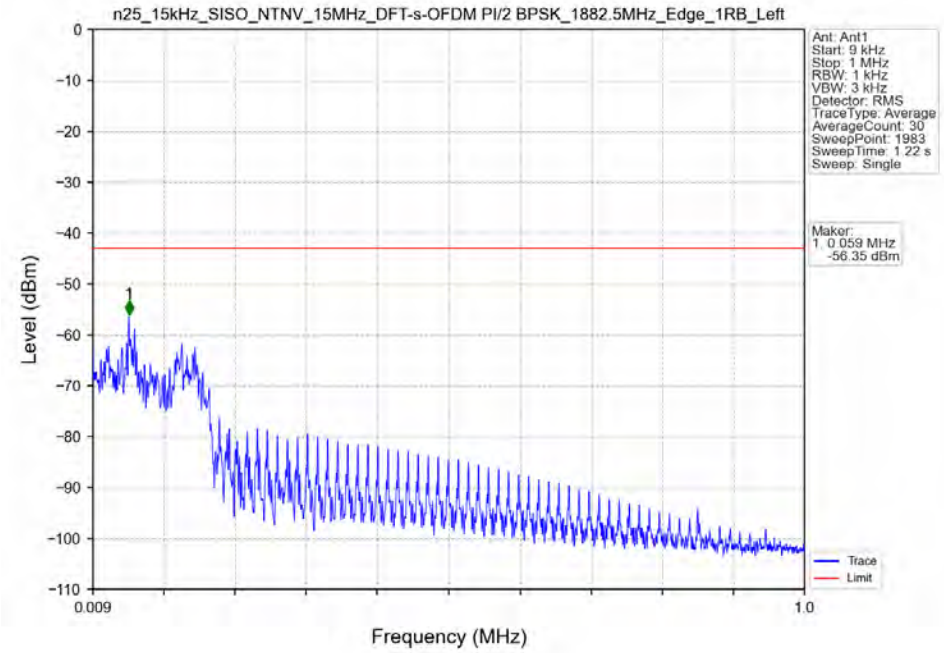

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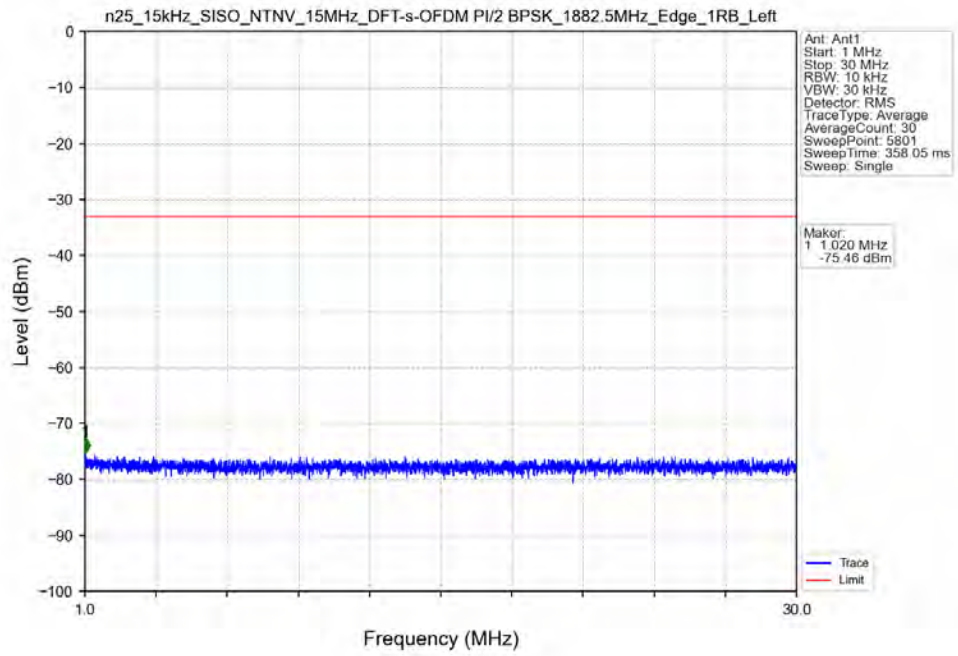

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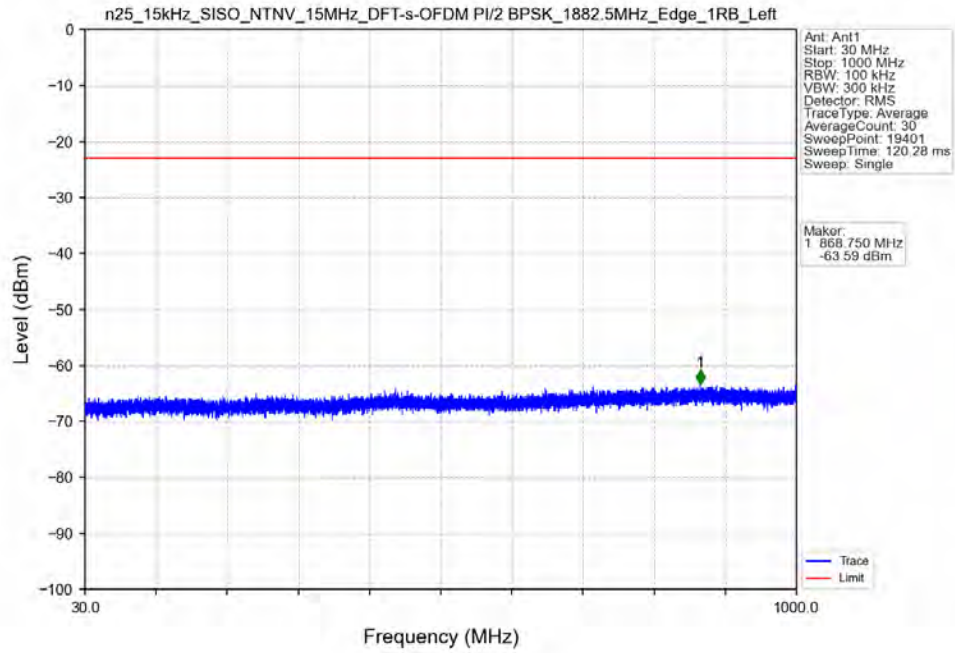

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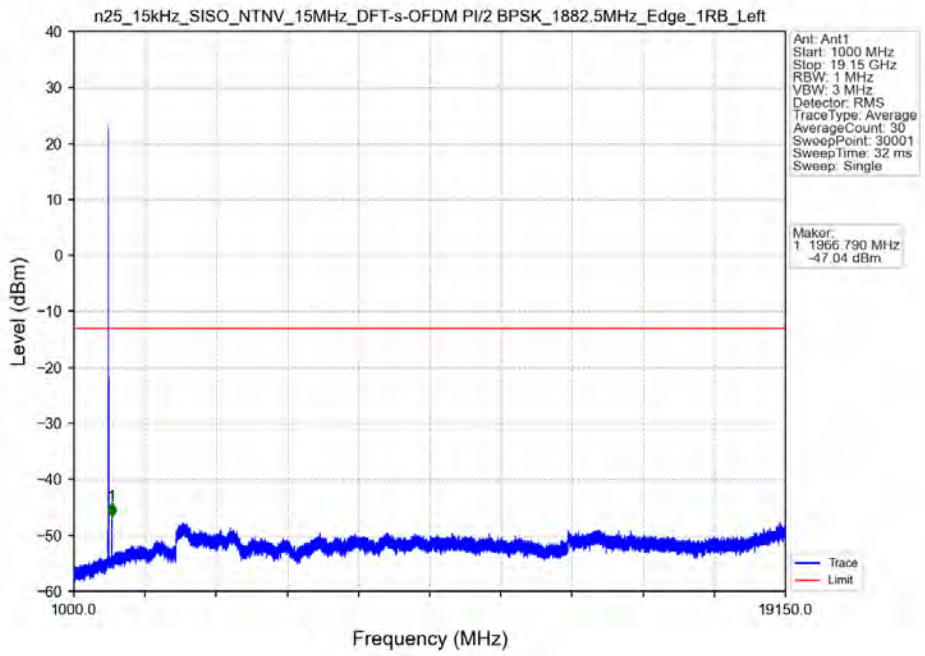
n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1882.5MHz_Edge_1RB_Left



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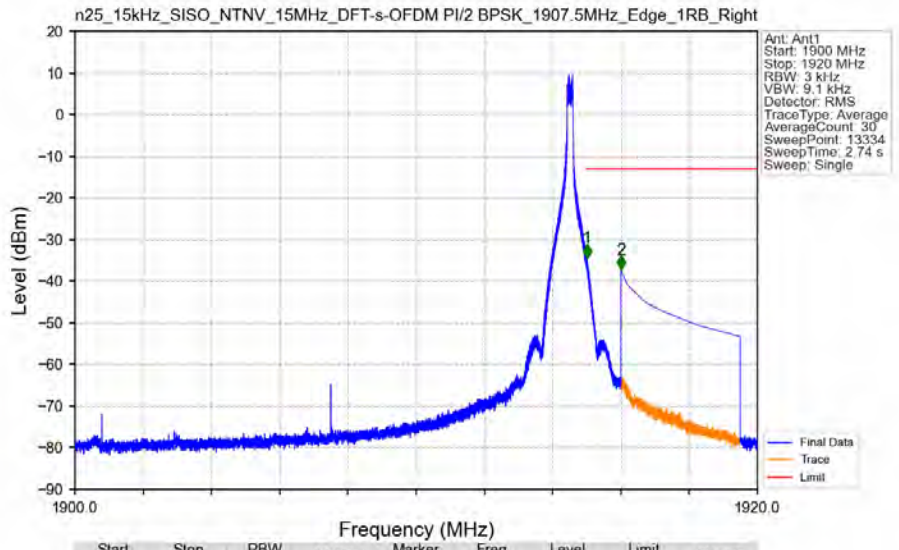

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.002	-34.43	-13	Pass
1916	1920	1	CHP	2	1916.001	-37.25	-13	Pass

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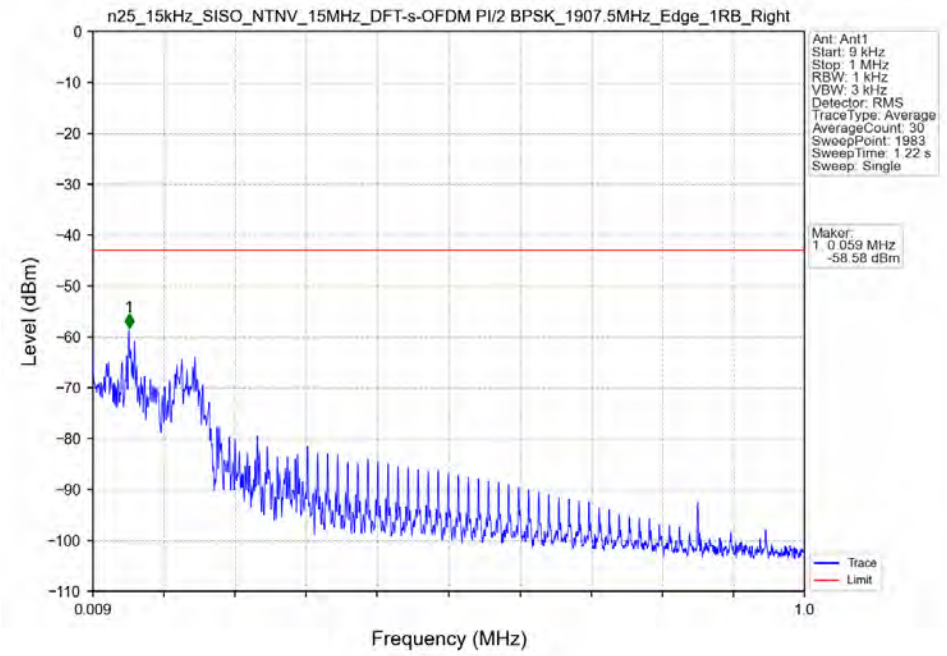
n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1907.5MHz_Edge_1RB_Right



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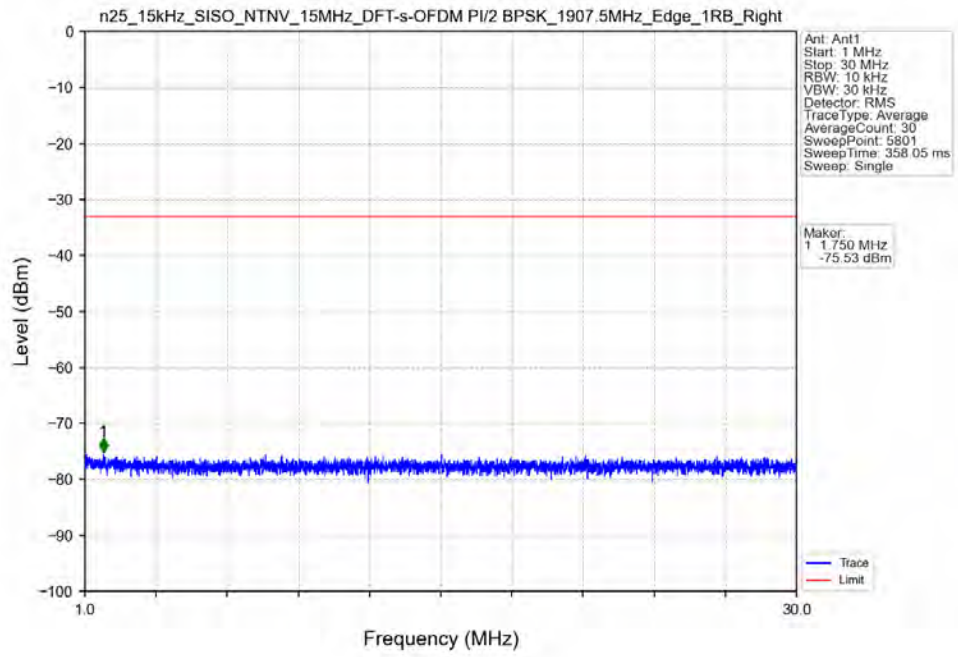

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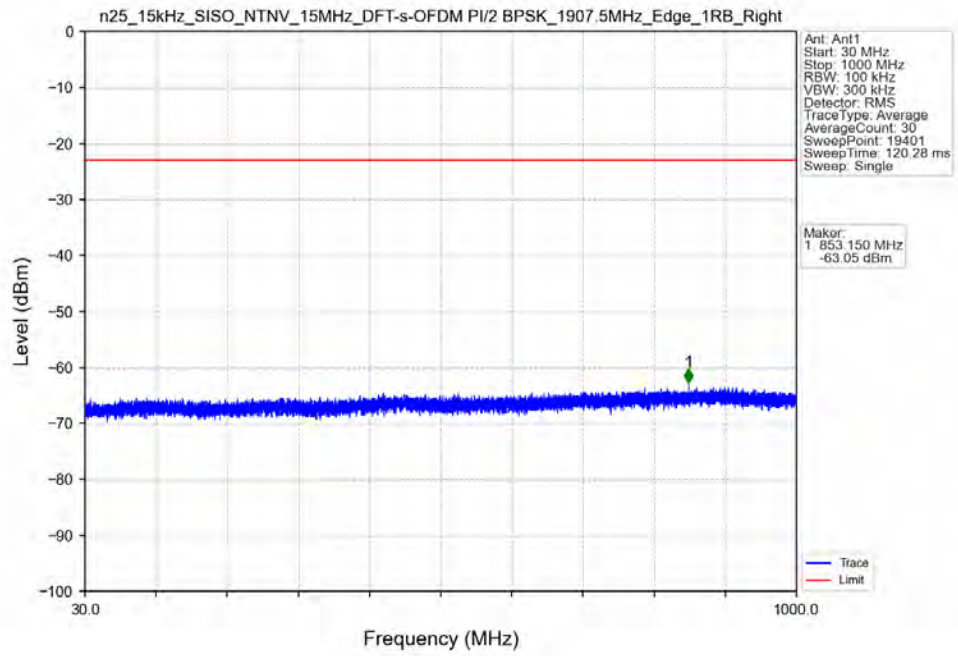

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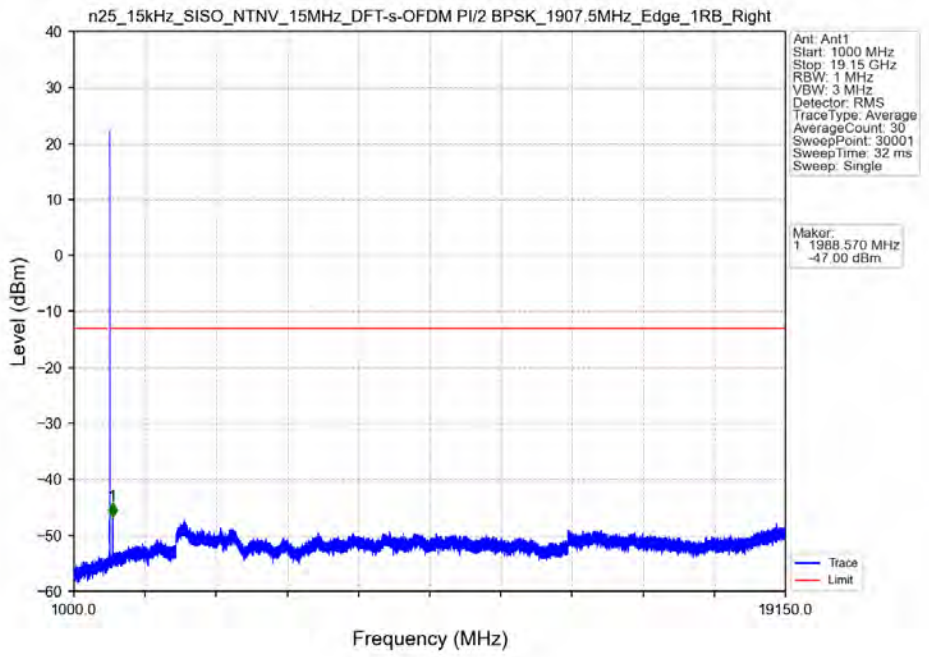

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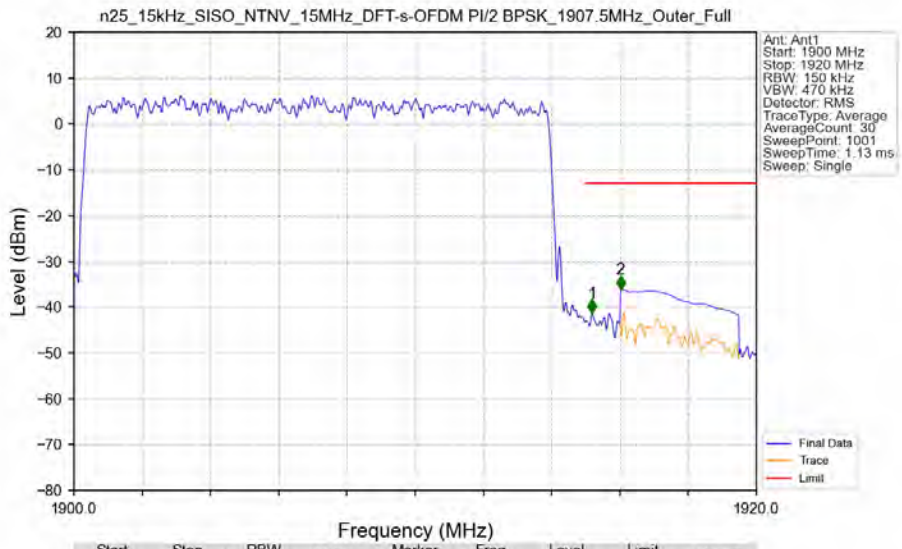
n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1907.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1915	0.15	/	/	/	/	/	/
1915	1916	0.15	/	1	1915.180	-41.34	-13	Pass
1916	1920	1	CHP	2	1916.020	-36.18	-13	Pass

n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1907.5MHz_Inner_1RB_Right

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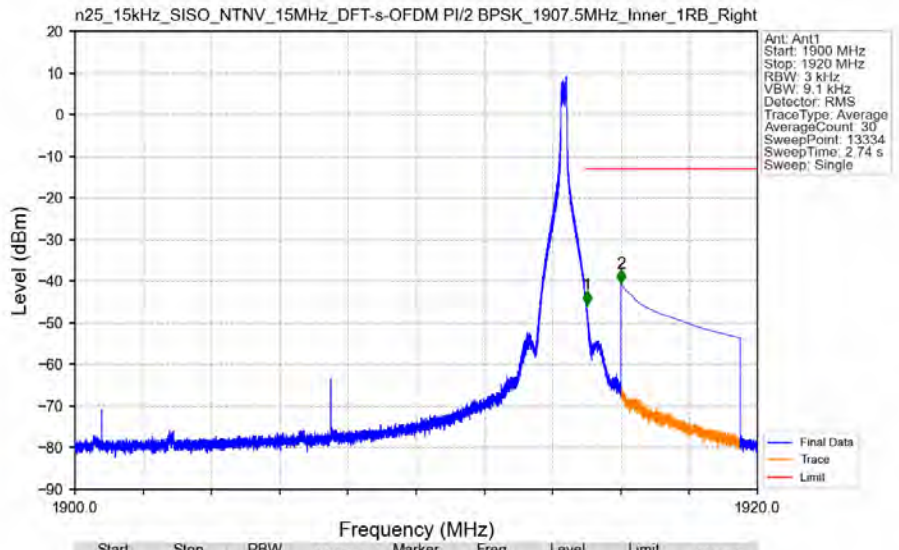

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.000	-45.67	-13	Pass
1916	1920	1	CHP	2	1916.001	-40.57	-13	Pass

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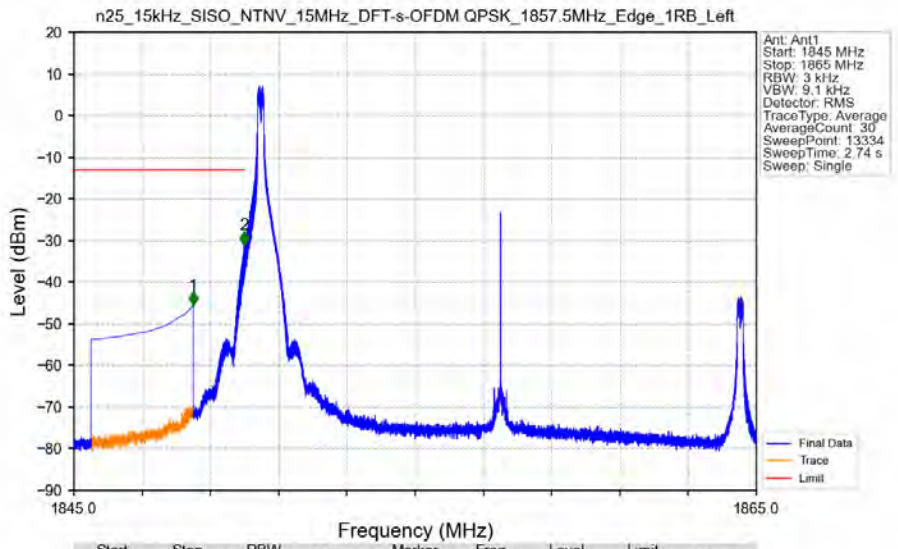

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-45.53	-13	Pass
1849	1850	0.003	/	2	1849.991	-31.15	-13	Pass
1850	1865	0.003	/	/	/	/	/	/

n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1857.5MHz_Edge_1RB_Left

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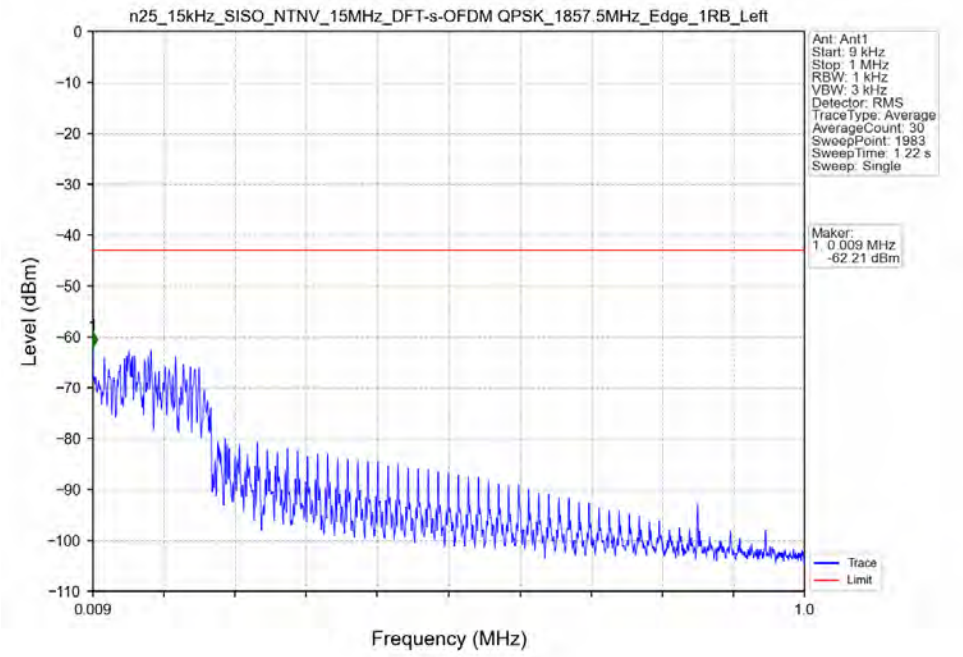

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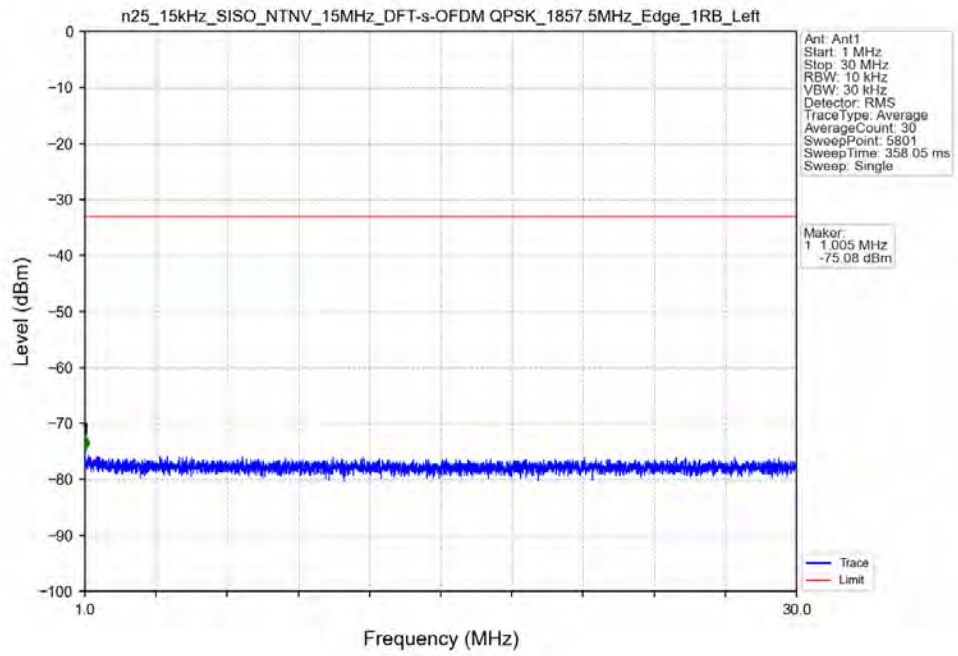

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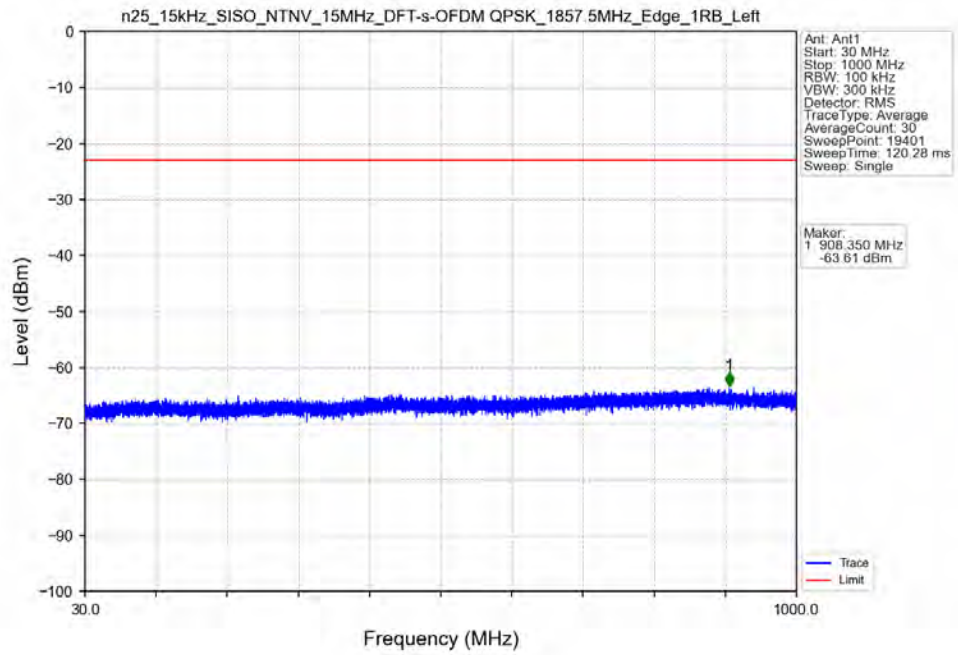

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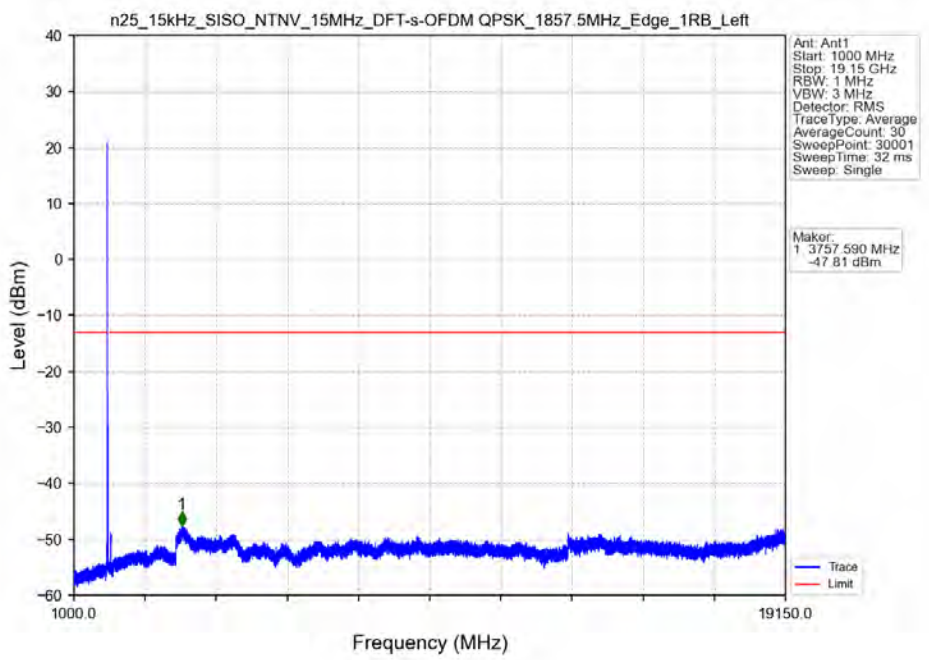

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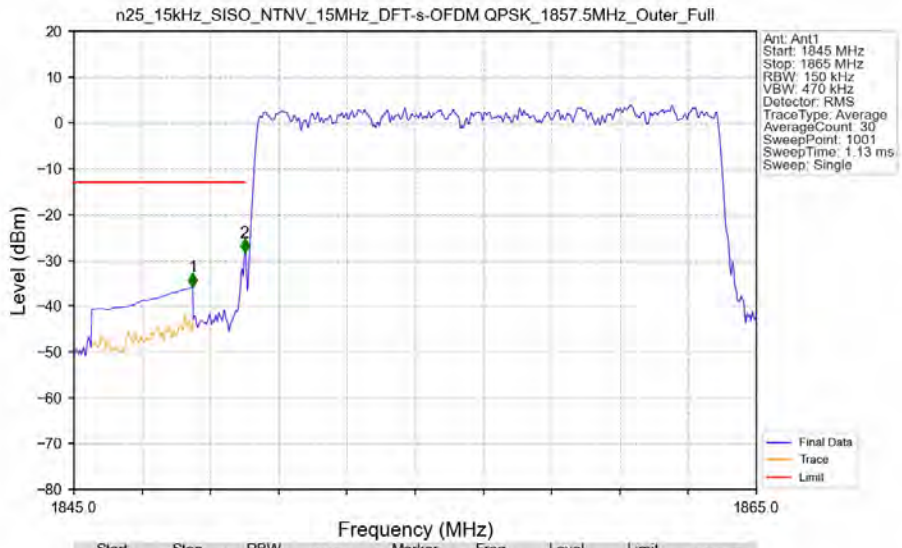

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.480	-35.83	-13	Pass
1849	1850	0.15	/	2	1850.000	-28.36	-13	Pass
1850	1865	0.15	/	/	/	/	/	/

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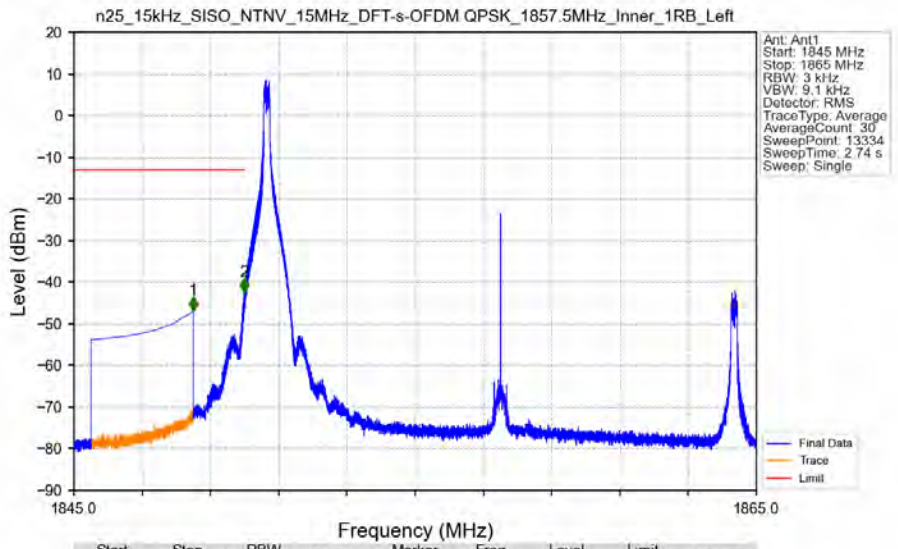

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1845	1849	1	CHP	1	1848.500	-46.83	-13	Pass
1849	1850	0.003	/	2	1849.991	-42.37	-13	Pass
1850	1865	0.003	/	/	/	/	/	/

n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1882.5MHz_Edge_1RB_Left

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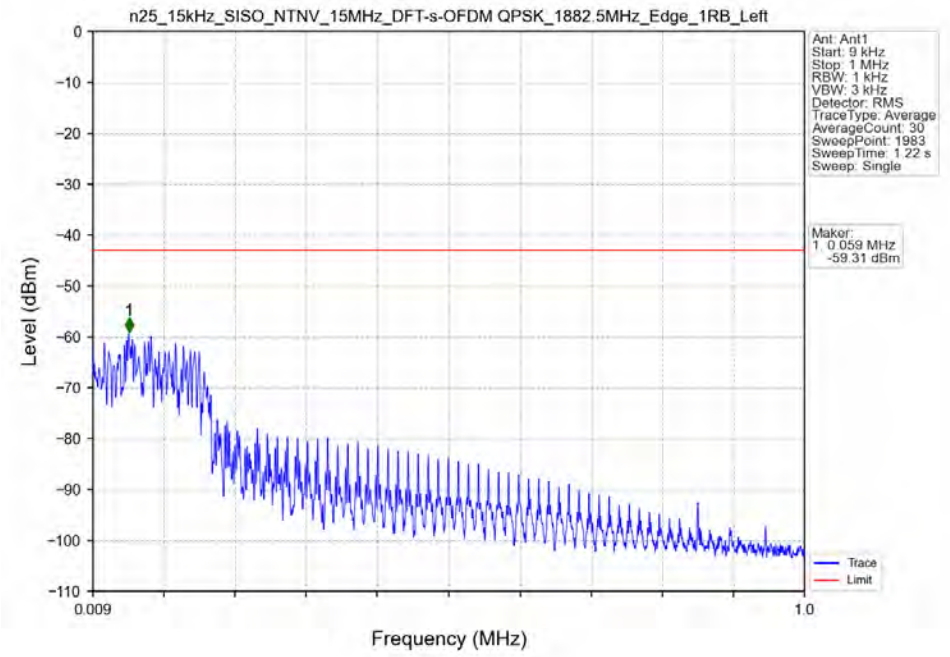

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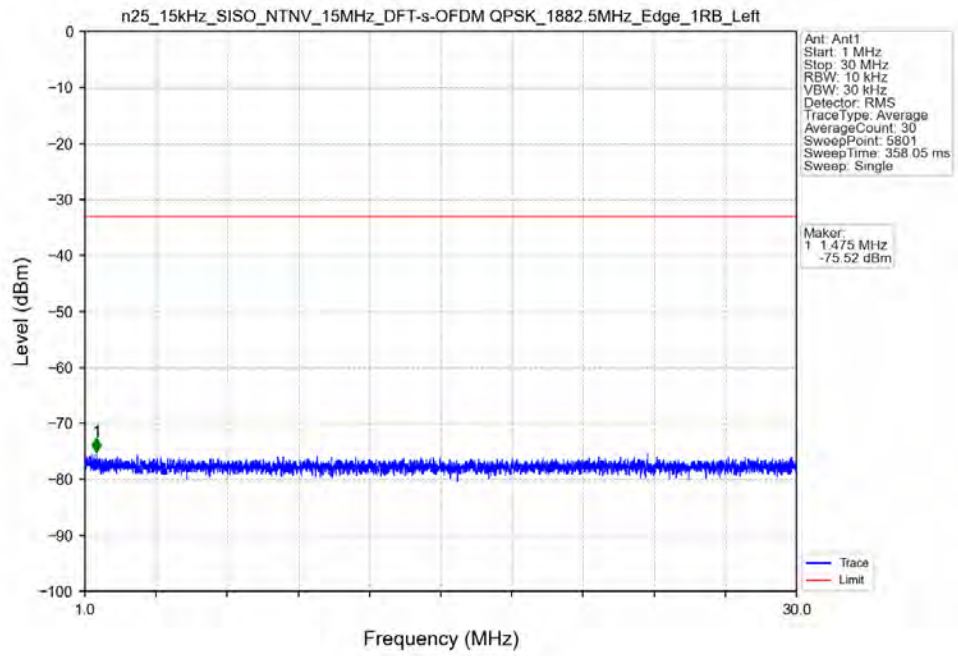

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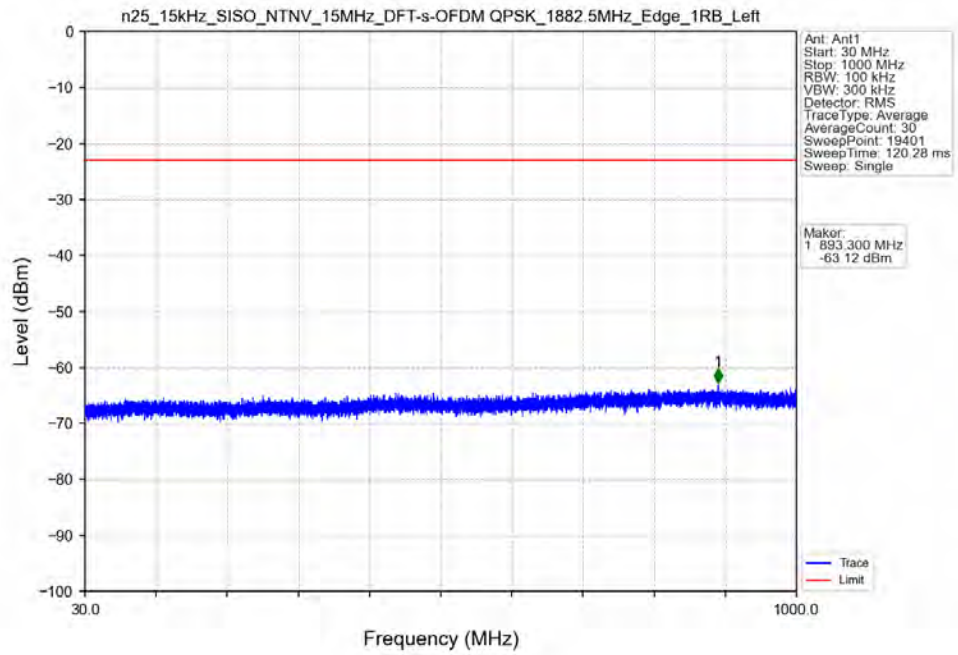

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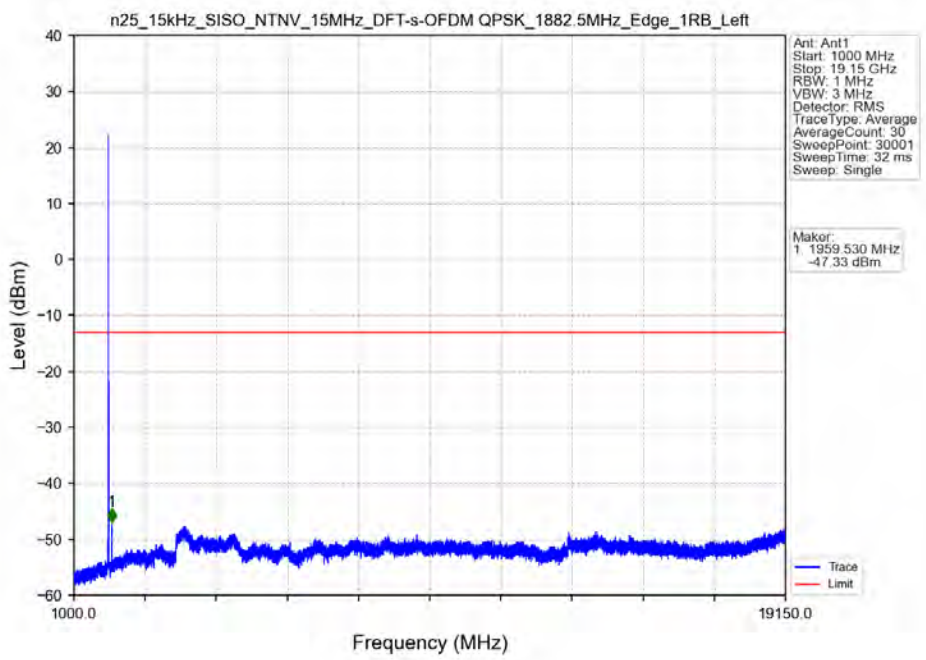

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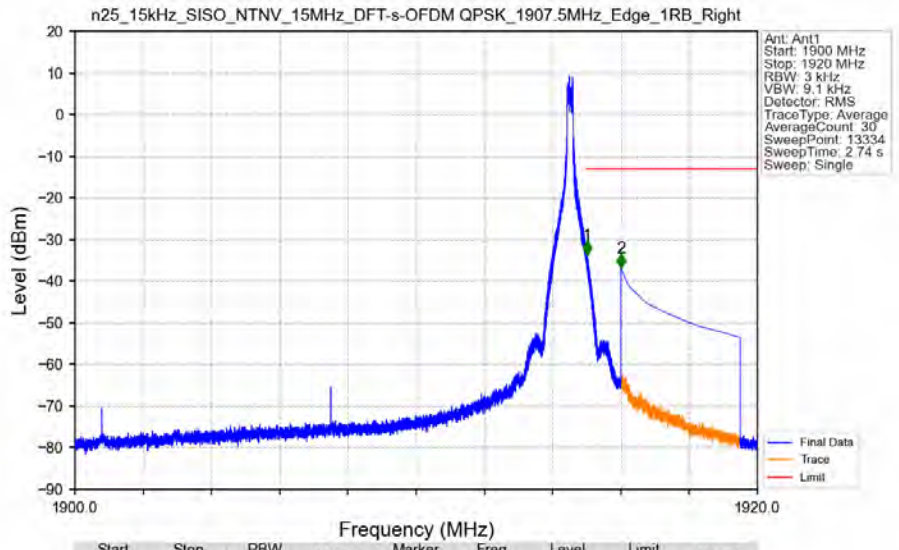

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1915	0.003	/	/	/	/	/	/
1915	1916	0.003	/	1	1915.006	-33.74	-13	Pass
1916	1920	1	CHP	2	1916.001	-36.91	-13	Pass

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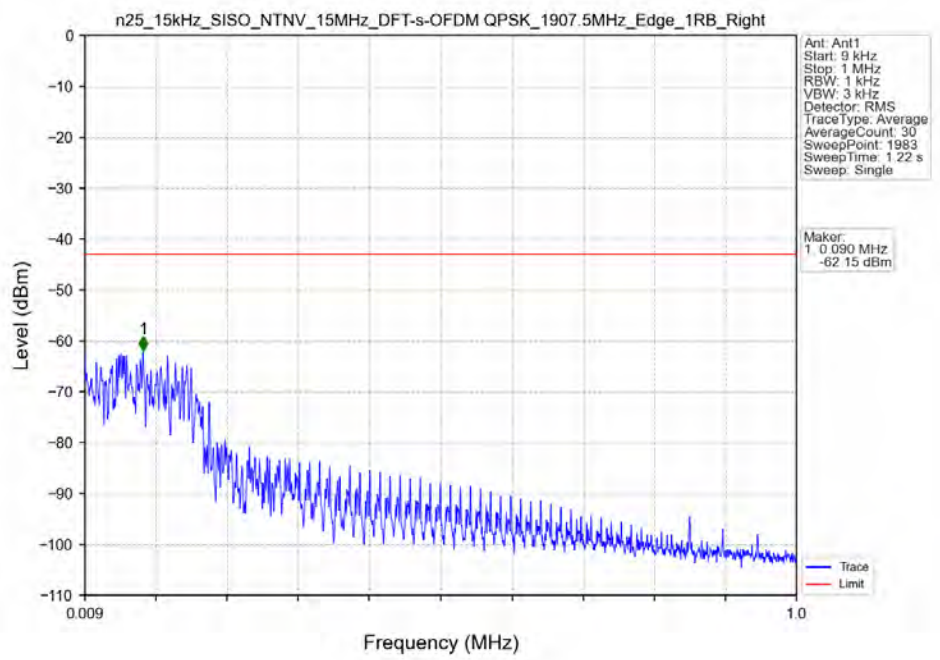
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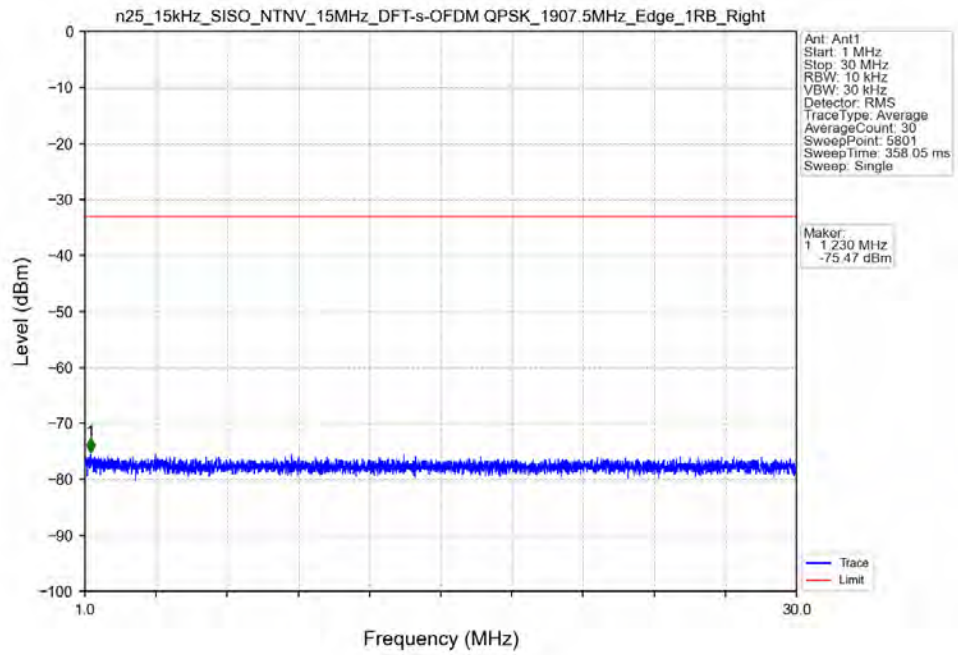

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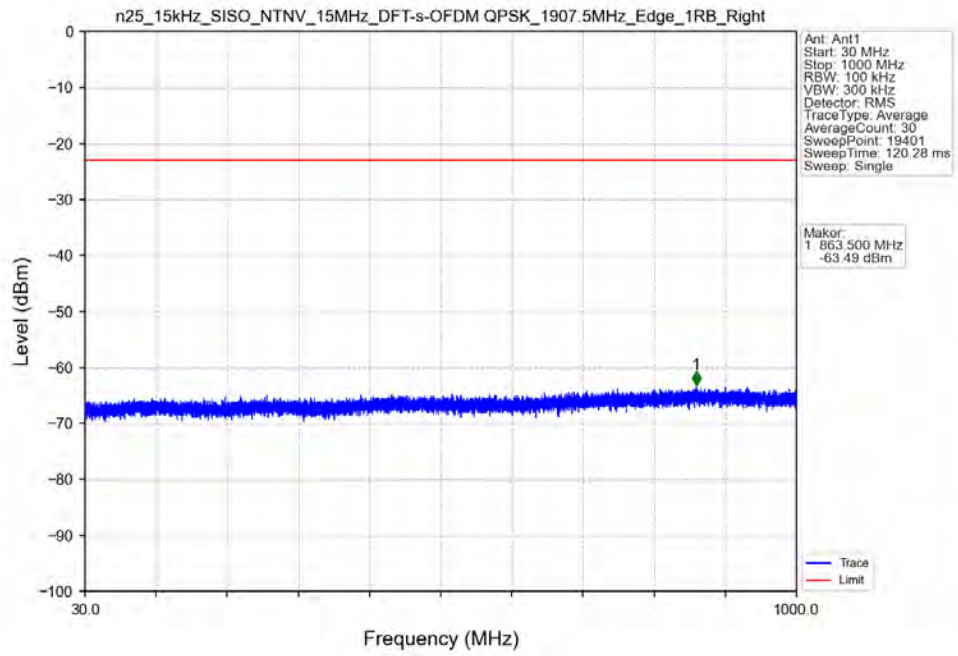

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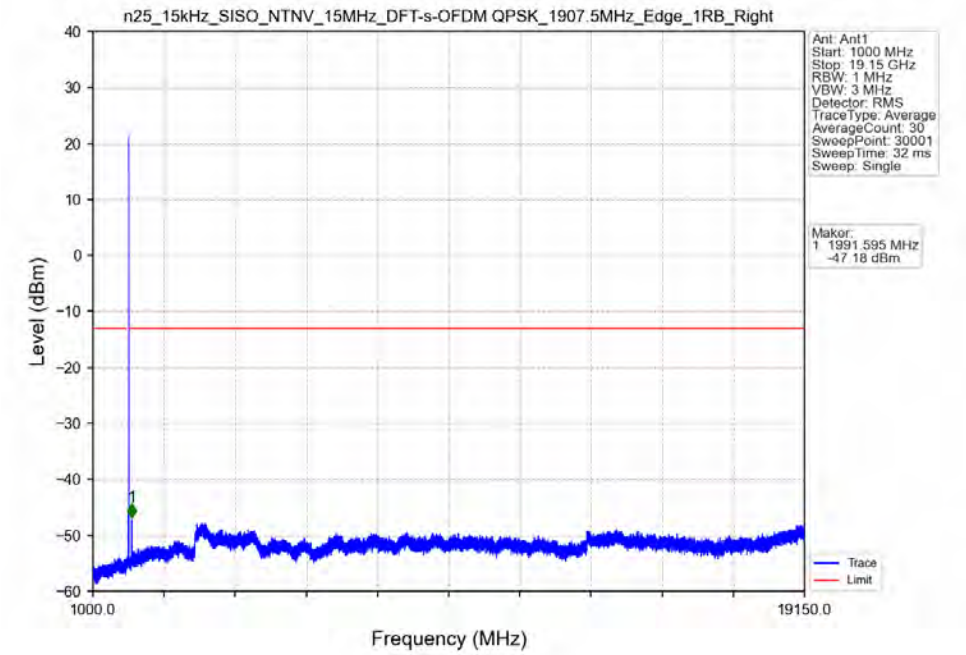

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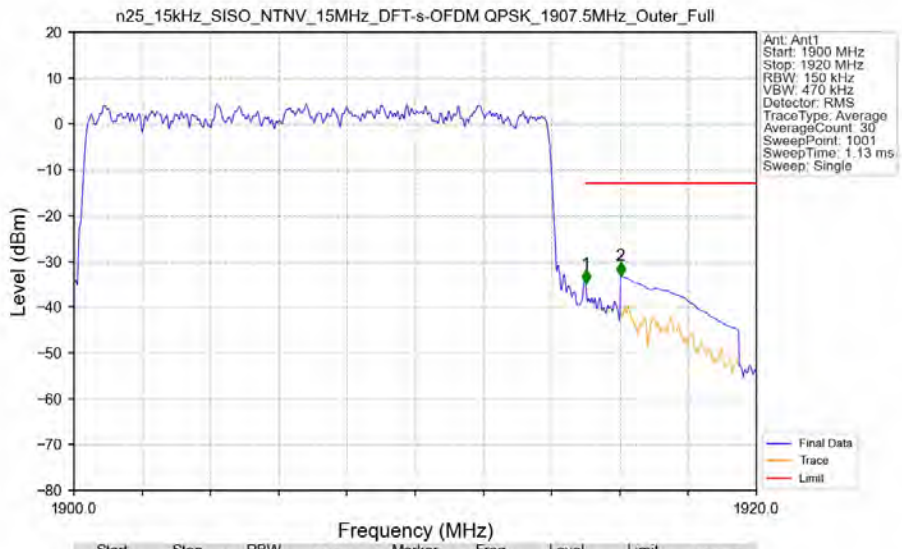

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1900	1915	0.15	/	/	/	/	/	/
1915	1916	0.15	/	1	1915.000	-34.93	-13	Pass
1916	1920	1	CHP	2	1916.020	-33.17	-13	Pass

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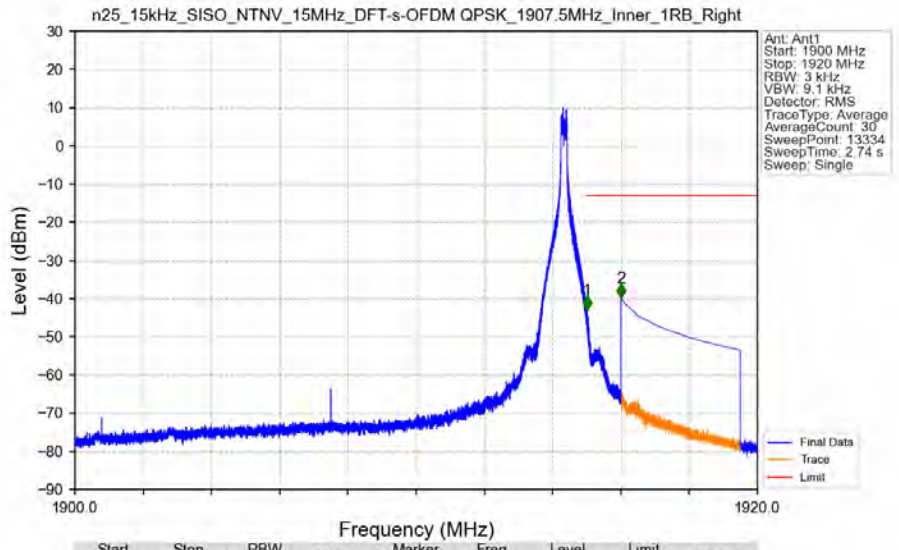

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
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1915	1916	0.003	/	1	1915.008	-43.09	-13	Pass
1916	1920	1	CHP	2	1916.001	-39.82	-13	Pass

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