

Appendix for KSCR2207001267AT-FCC-NR-Spurious Emission

1. n2 Spurious Emission

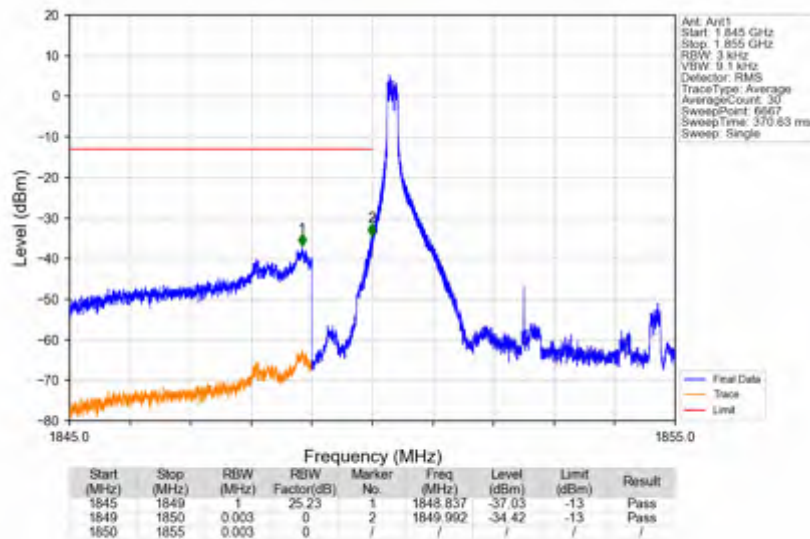
1.1 15k_SISO_5MHz_NTNV

1.1.1 Test Result

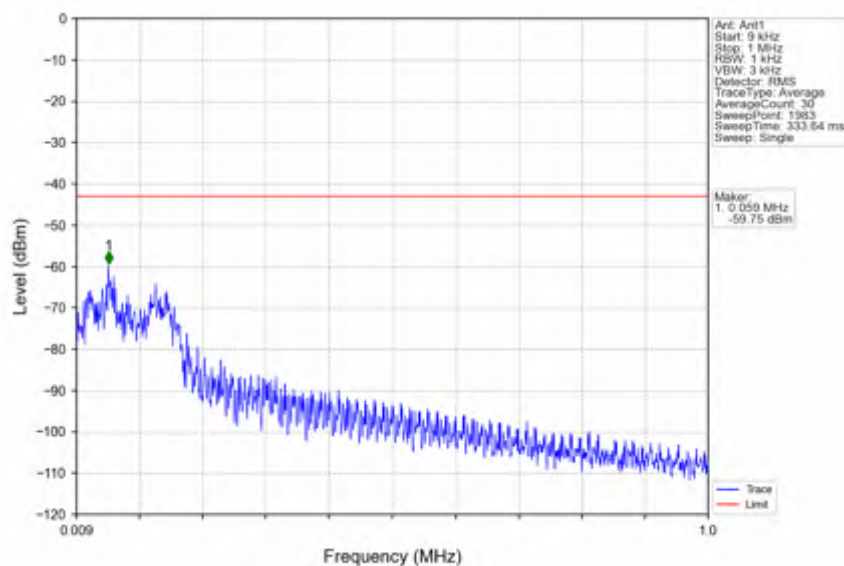
5G NR n2 SCS=15kHz SISO 5MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant1	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	1852.5	Edge 1RB Left	Refer To Test Graph				Pass	
		Outer Full	Refer To Test Graph				Pass	
		Inner 1RB Left	Refer To Test Graph				Pass	
	1880	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	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	
	1880	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	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	
	1880	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			

1.1.2 Test Graph

n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1852.5MHz_Edge_1RB_Left



n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1852.5MHz_Edge_1RB_Left



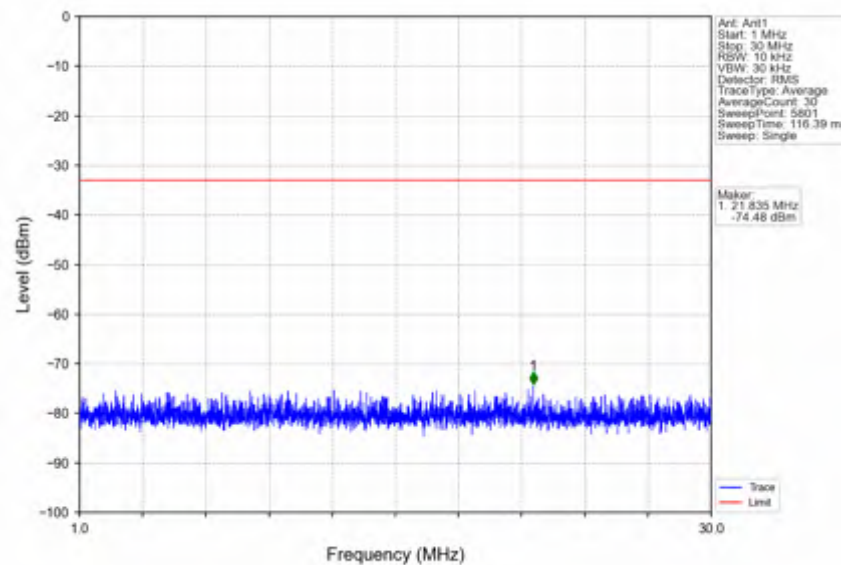
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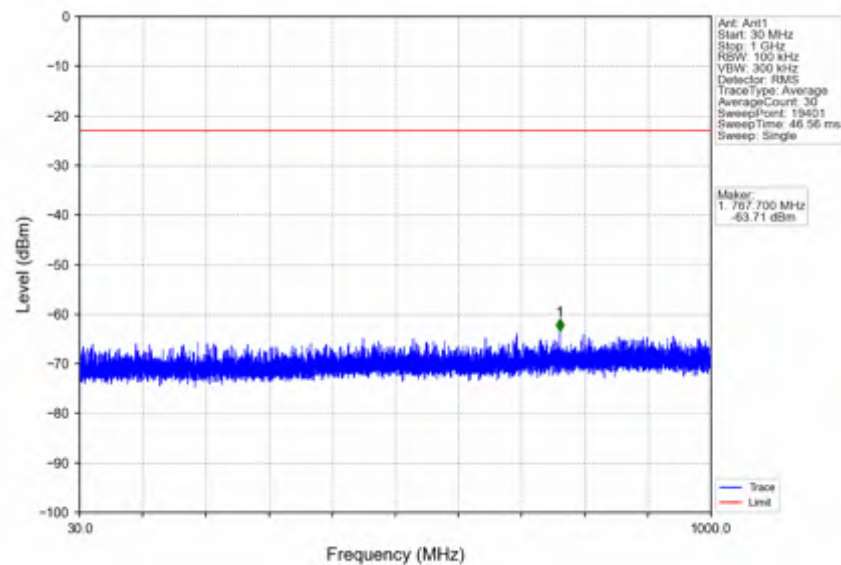
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1852.5MHz_Edge_1RB_Left



n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1852.5MHz_Edge_1RB_Left



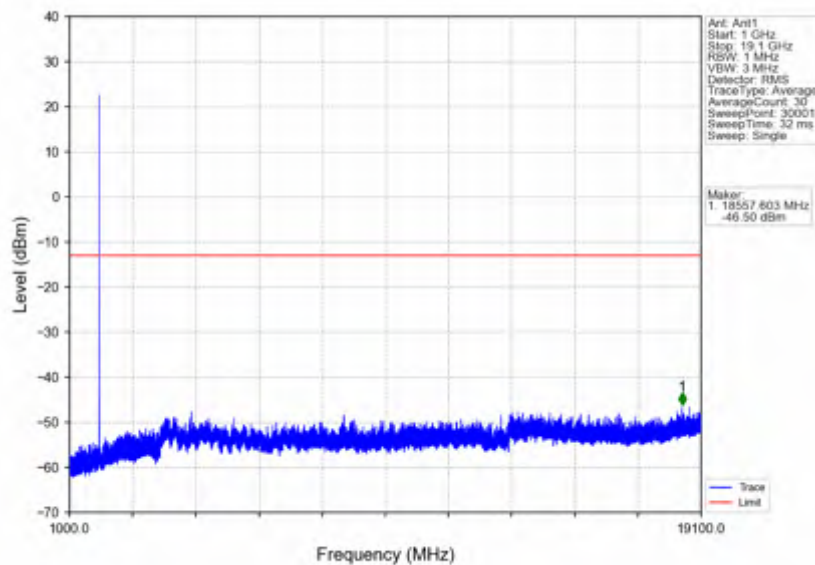
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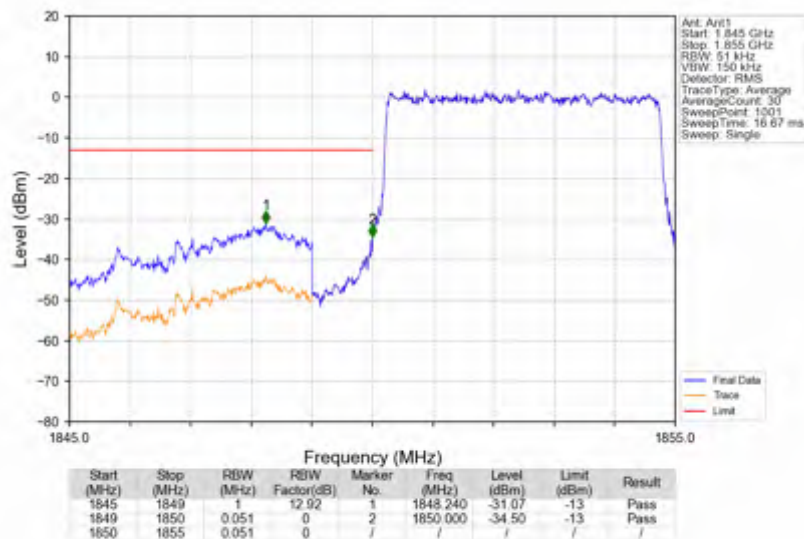
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1852.5MHz_Edge_1RB_Left



n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1852.5MHz_Outer_Full



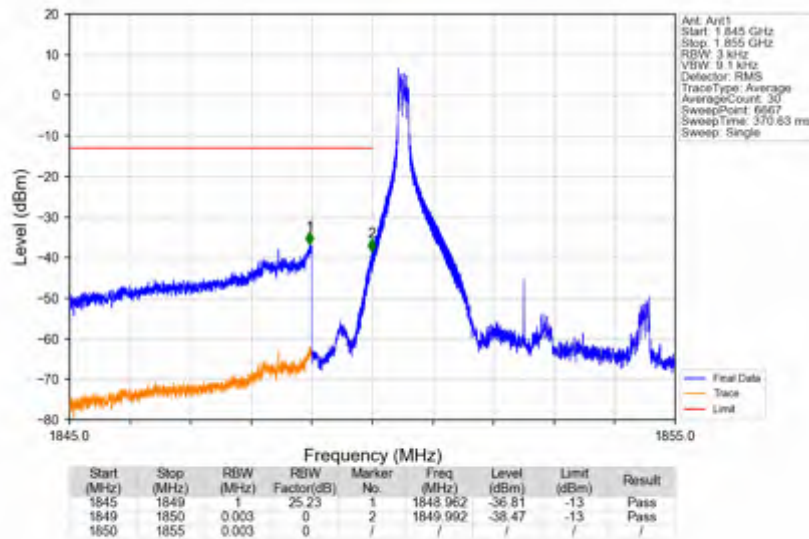
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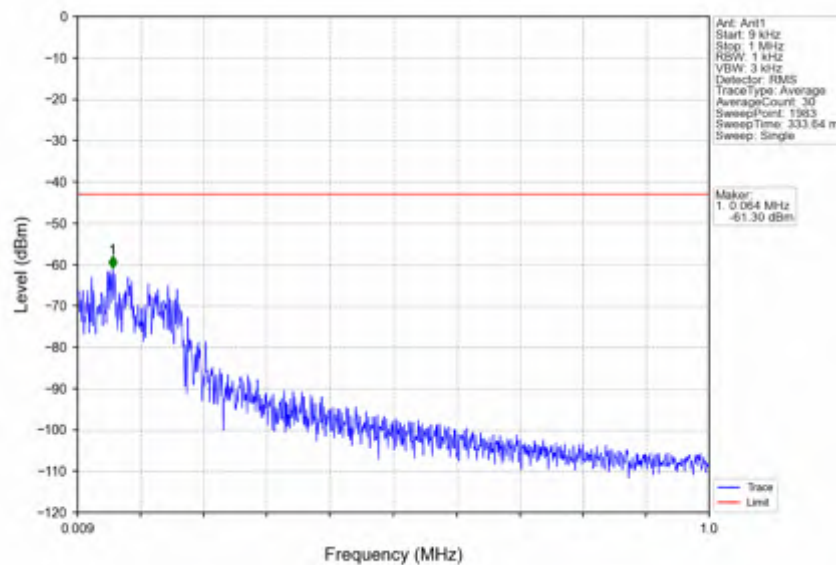
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_1852.5MHz_Inner_1RB_Left



n2 15kHz SISO NTNv 5MHz DFT-s-OFDM PI/2 BPSK 1880MHz Edge 1RB Left

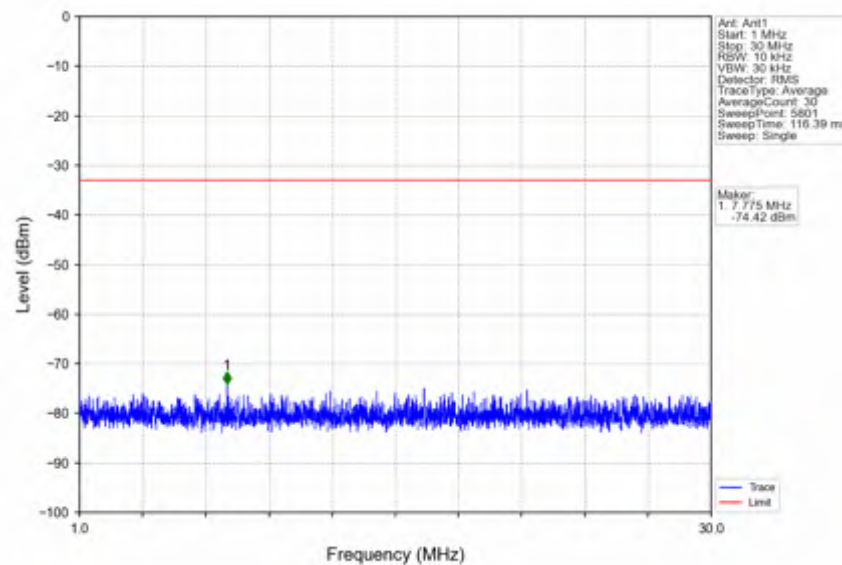


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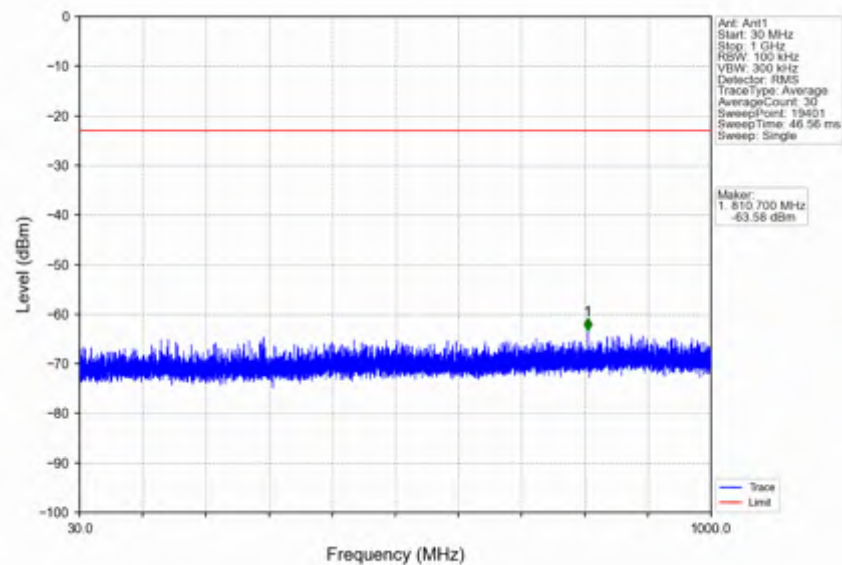
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1880MHz_Edge_1RB_Left



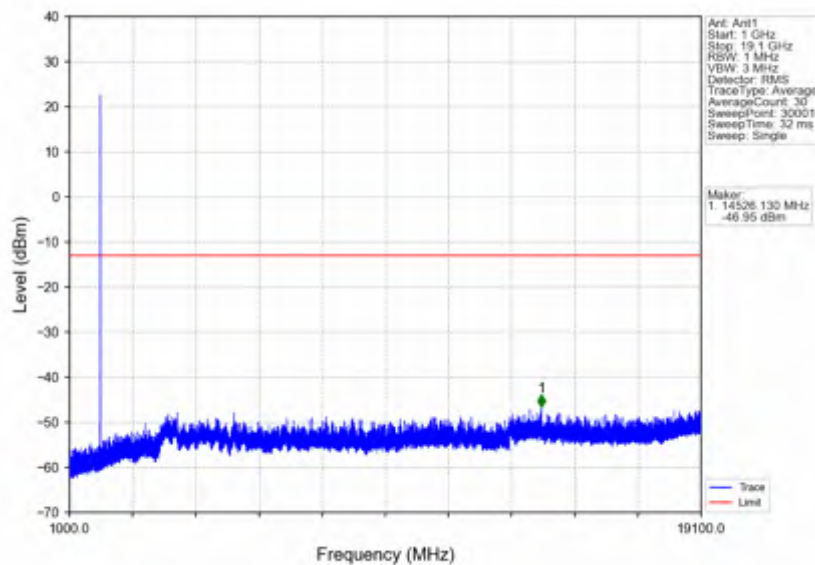
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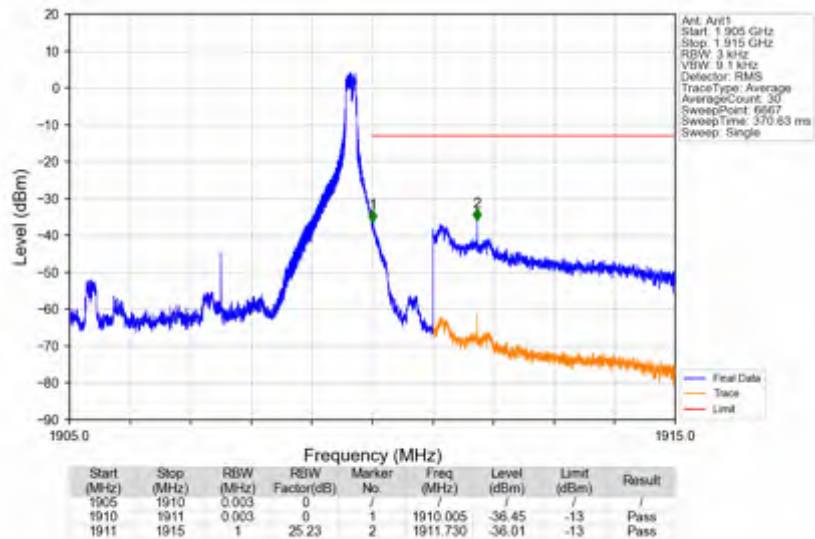
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1907.5MHz_Edge_1RB_Right



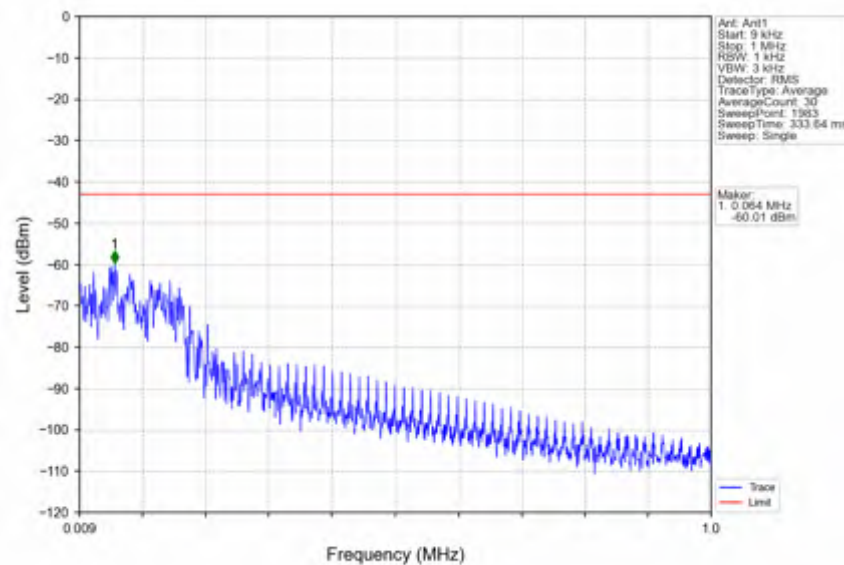
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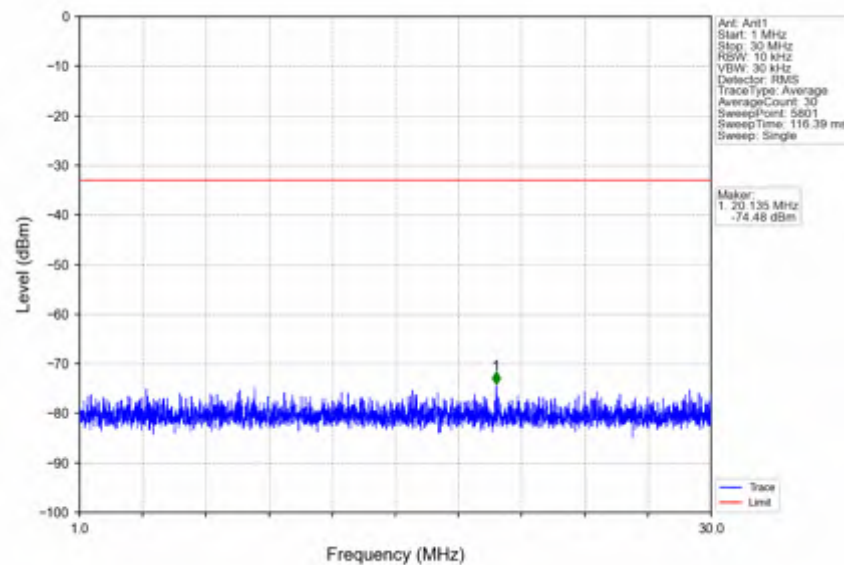
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1907.5MHz_Edge_1RB_Right



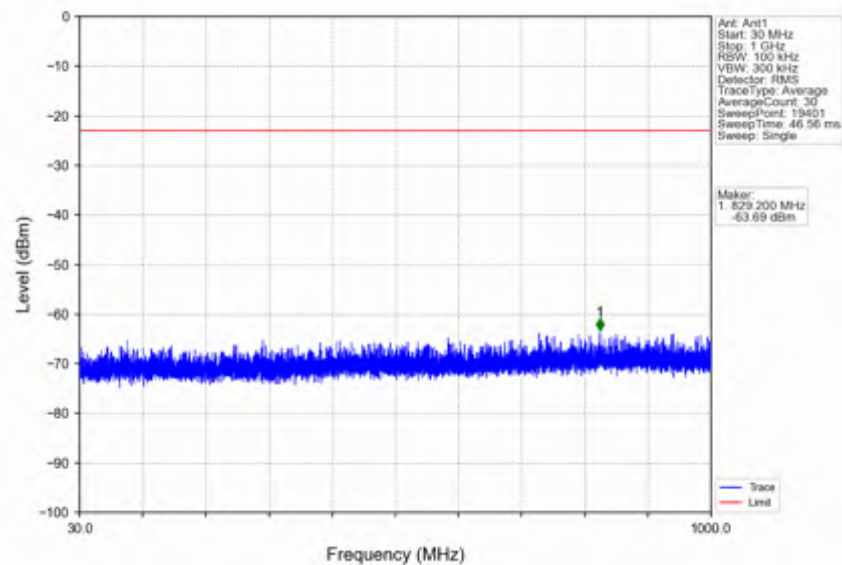
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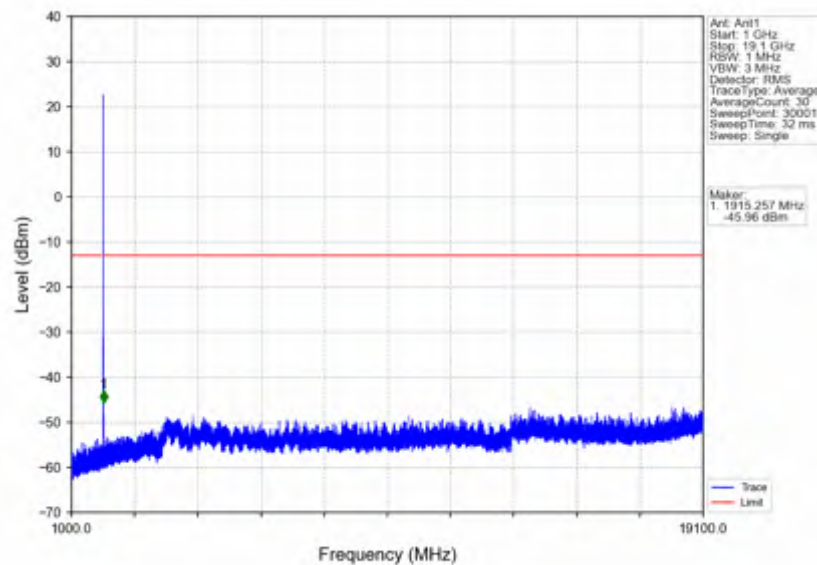
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_PI/2_BPSK_1907.5MHz_Edge_1RB_Right

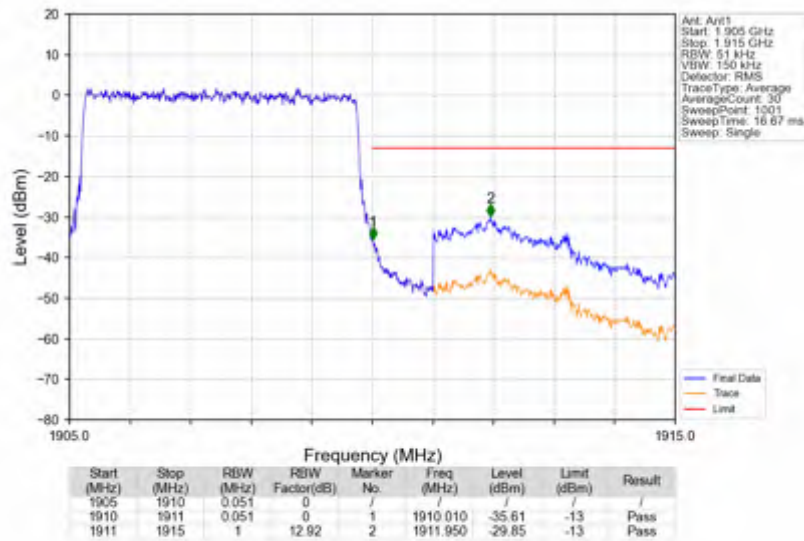


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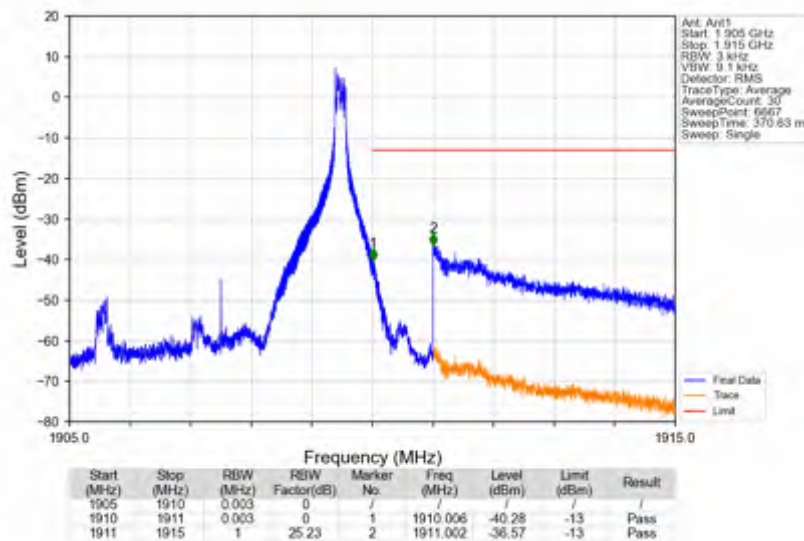
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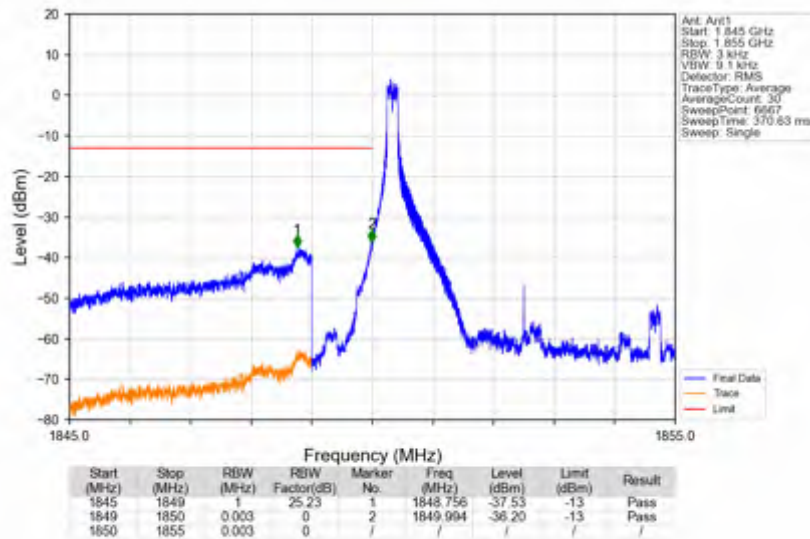
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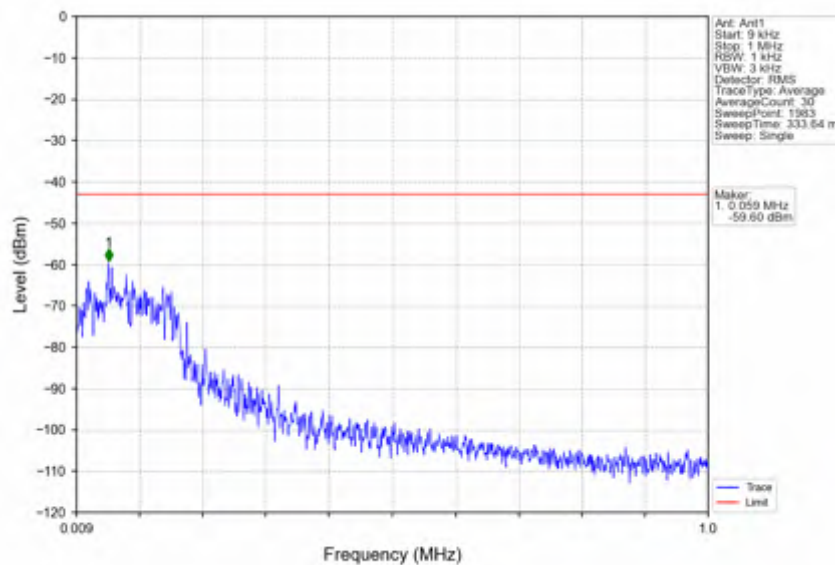
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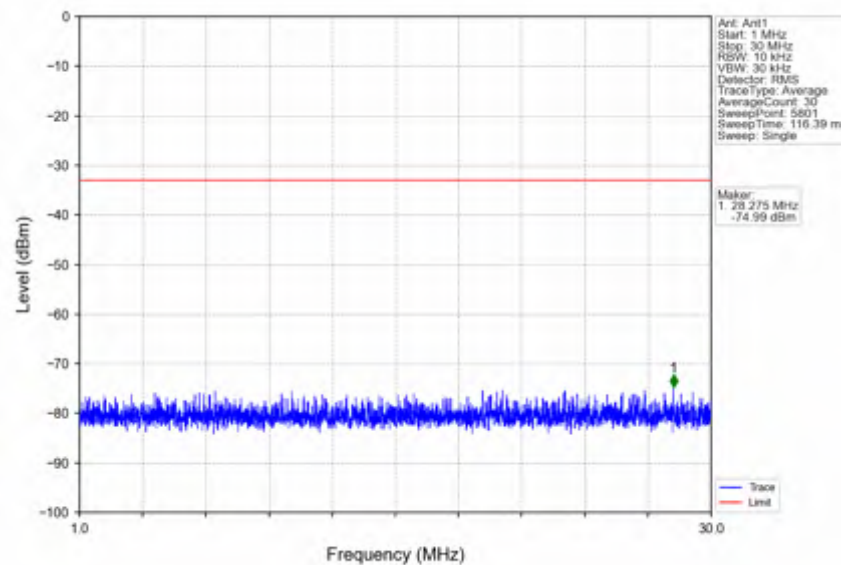


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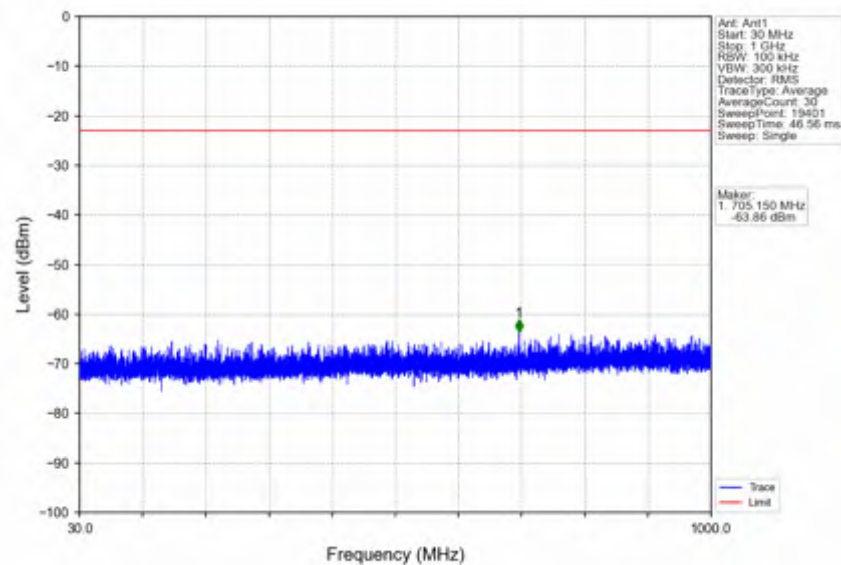
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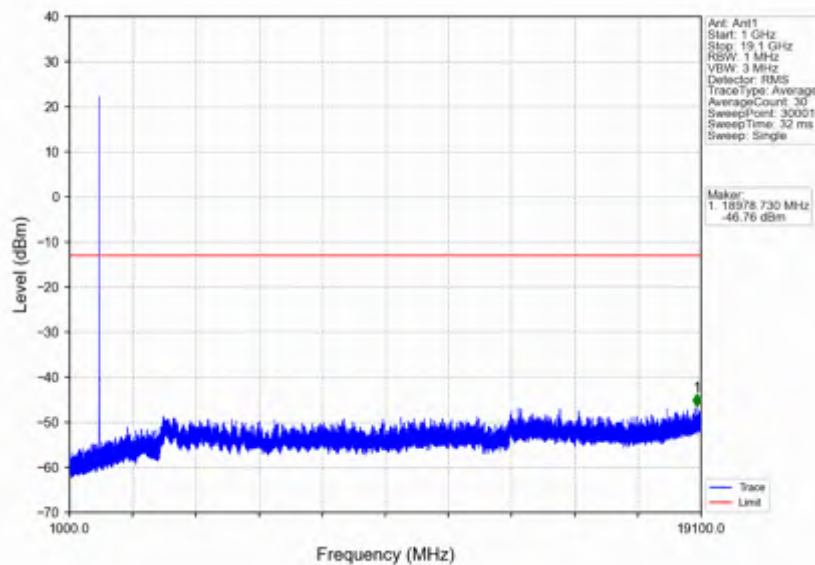
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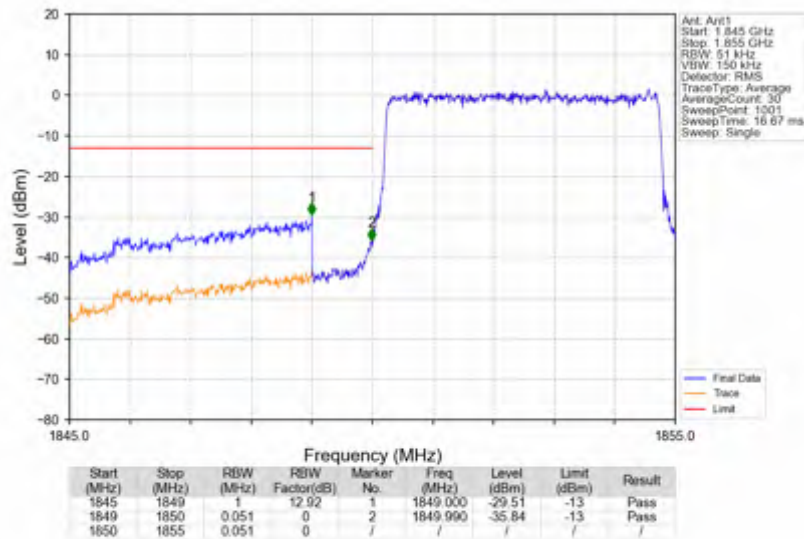
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1852.5MHz_Edge_1RB_Left



n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1852.5MHz_Outer_Full



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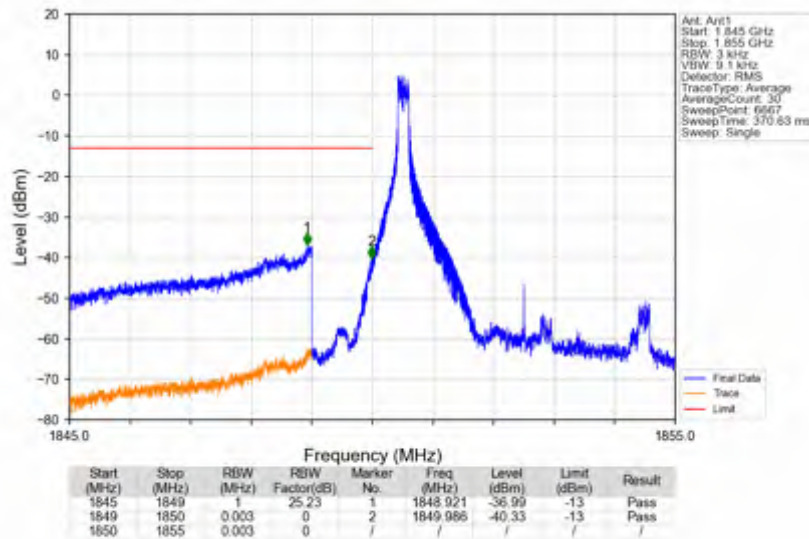
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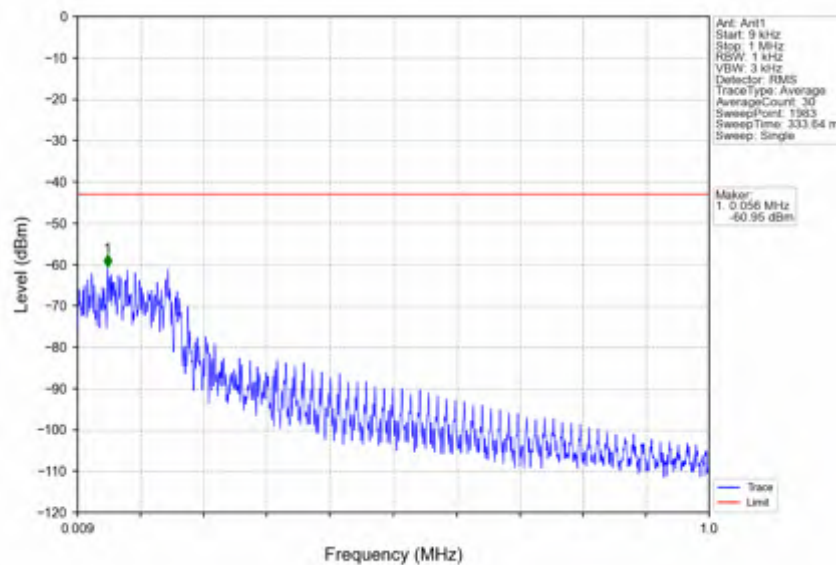
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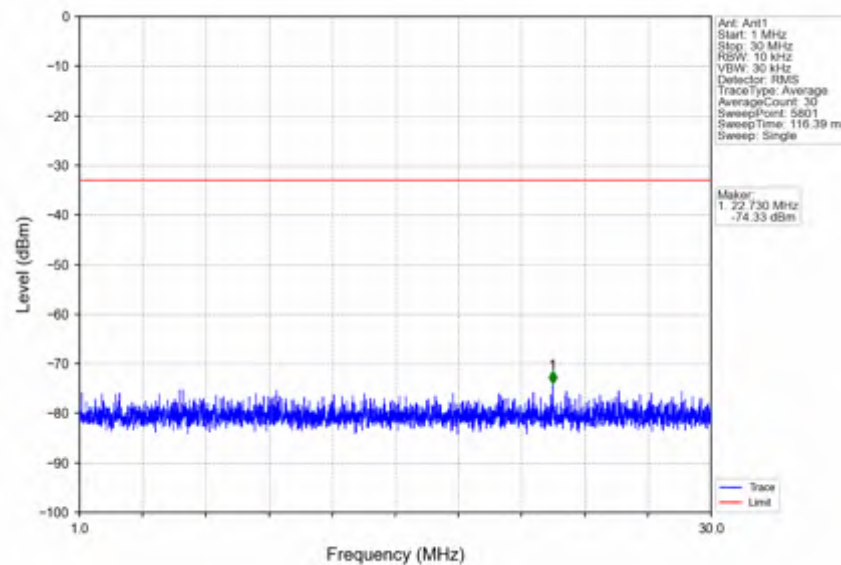


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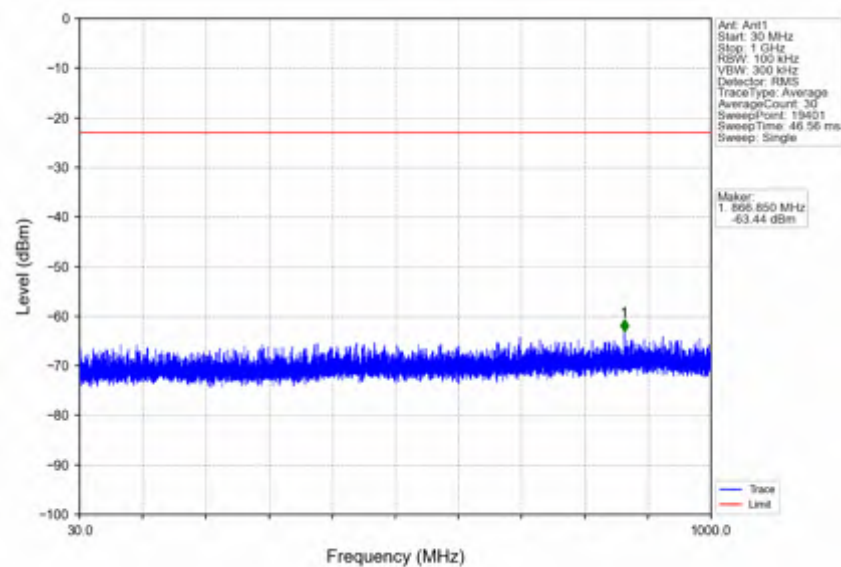
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_1880MHz_Edge_1RB_Left



n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_1880MHz_Edge_1RB_Left



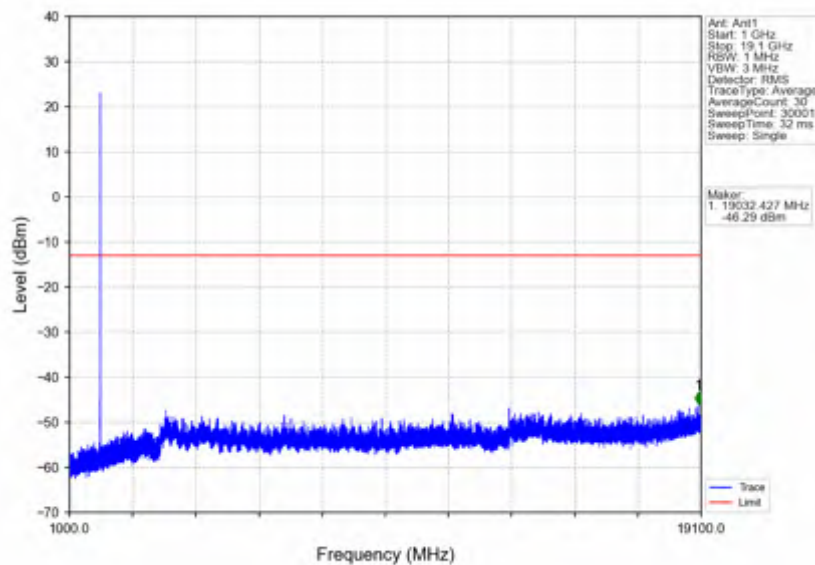
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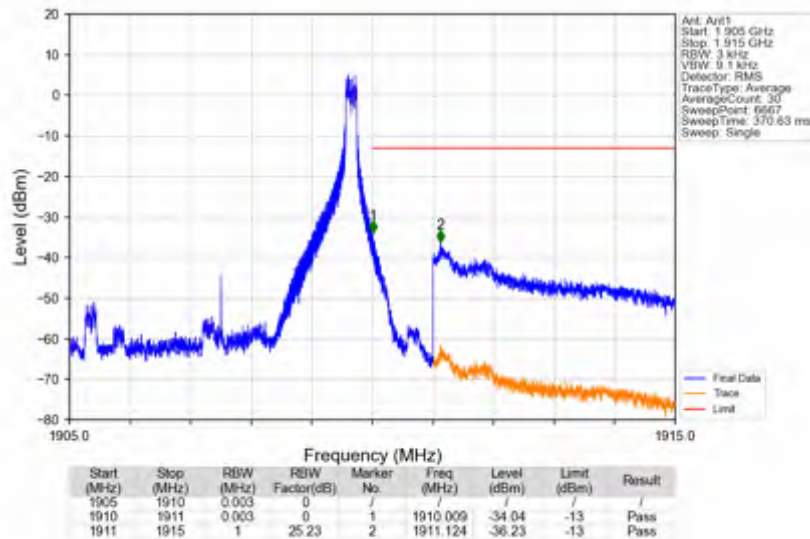
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1880MHz_Edge_1RB_Left



n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1907.5MHz_Edge_1RB_Right



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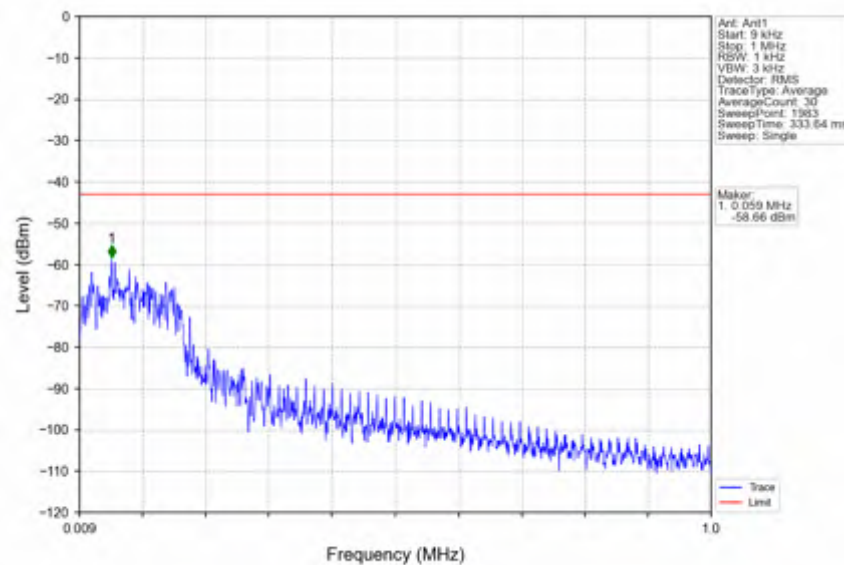
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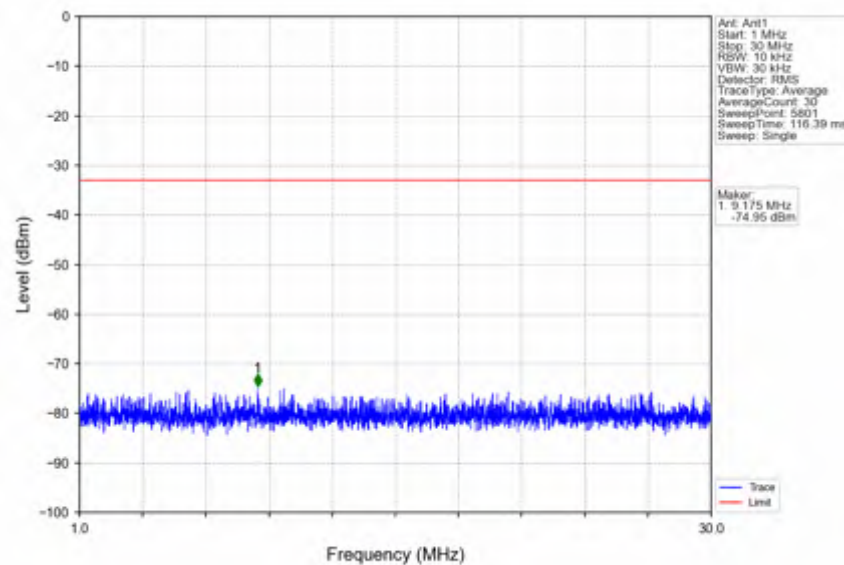
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1907.5MHz_Edge_1RB_Right



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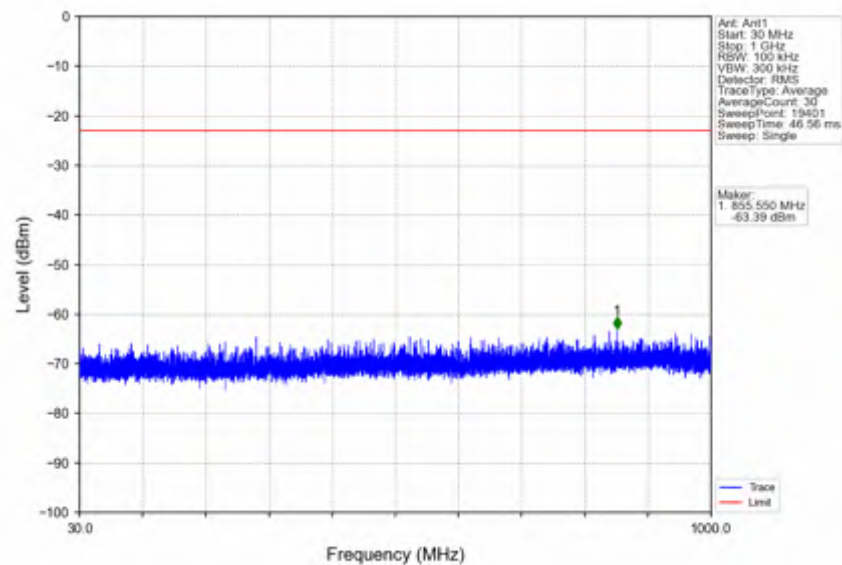
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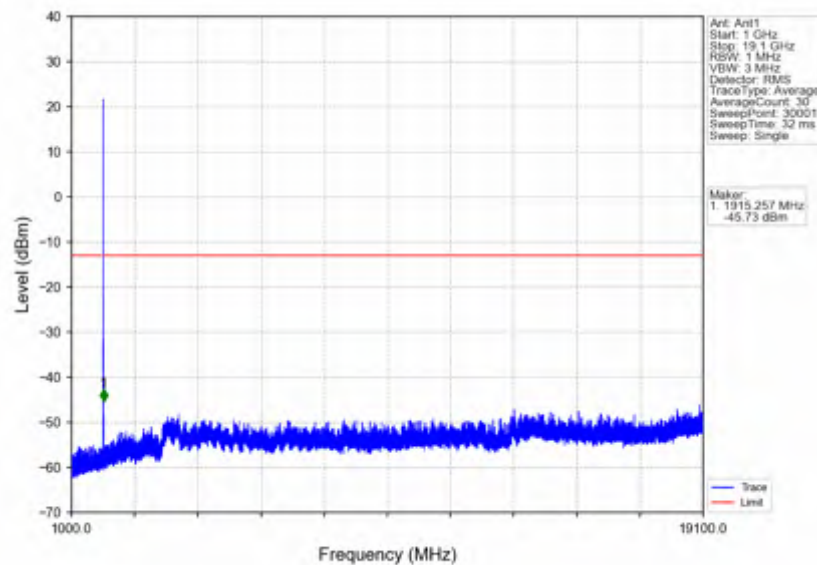
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n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1907.5MHz_Edge_1RB_Right



n2_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1907.5MHz_Edge_1RB_Right



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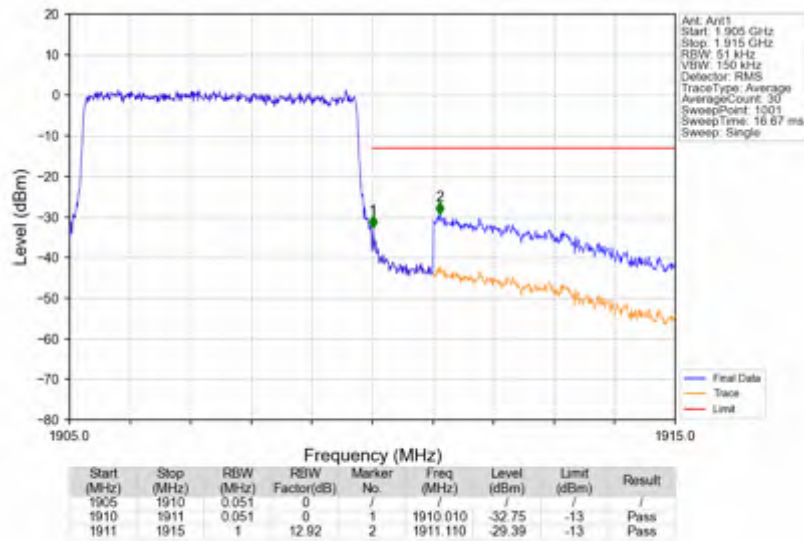
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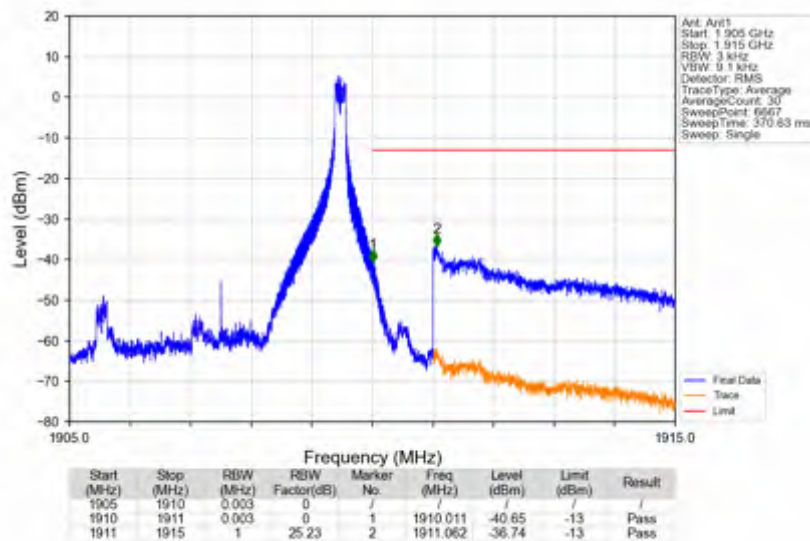
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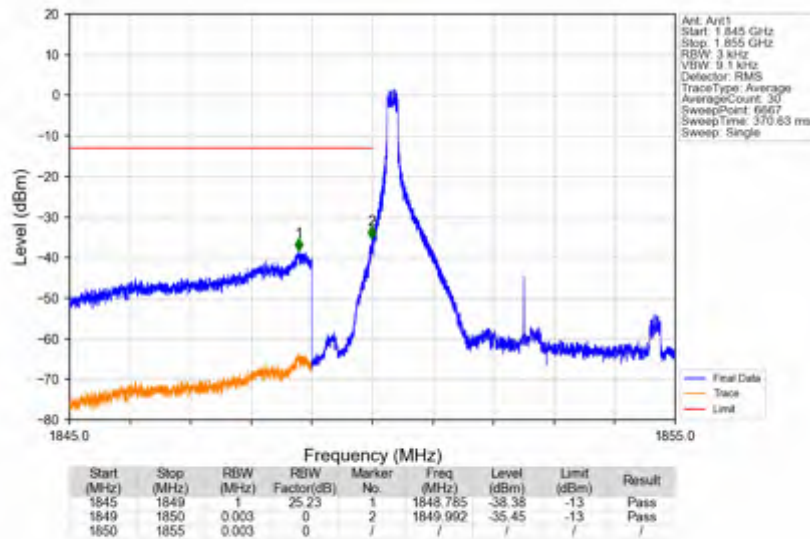
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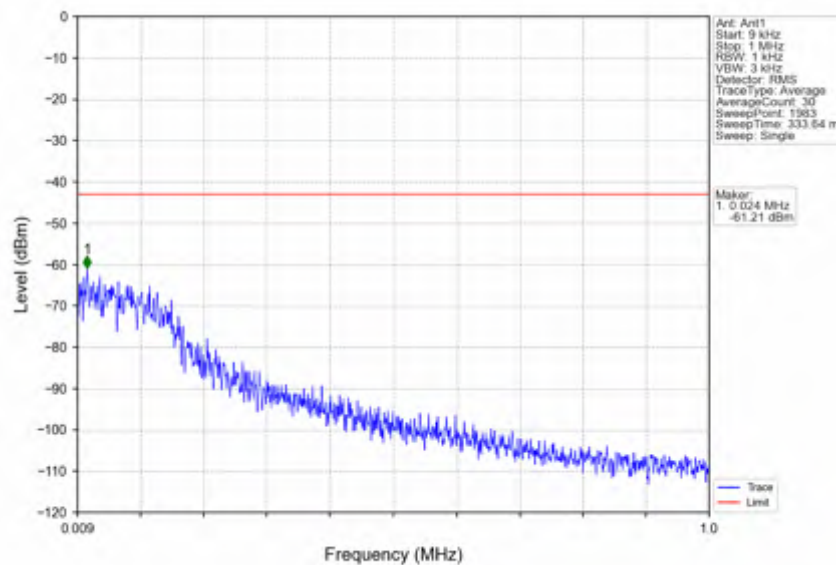
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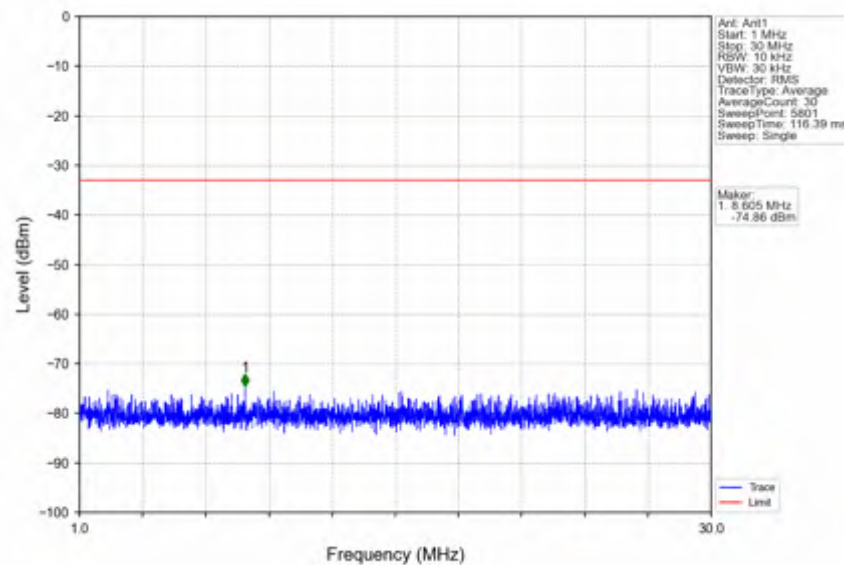


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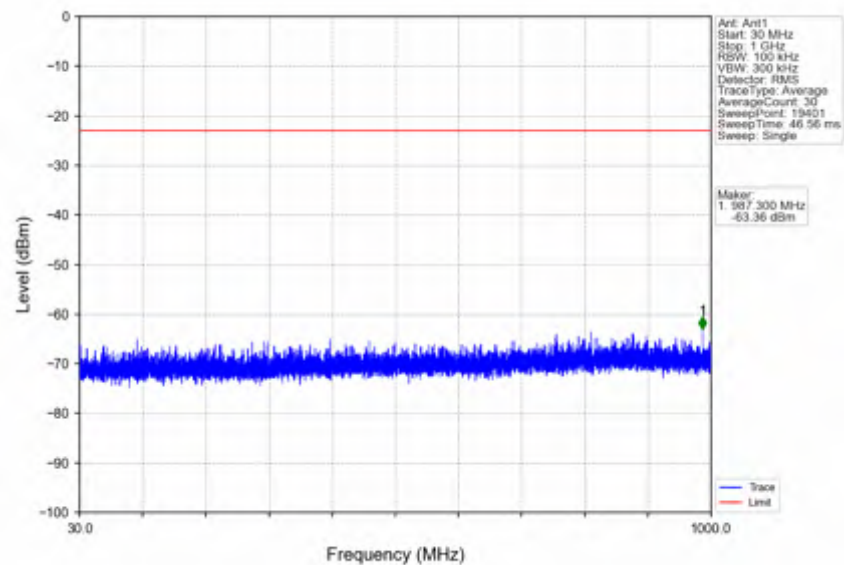
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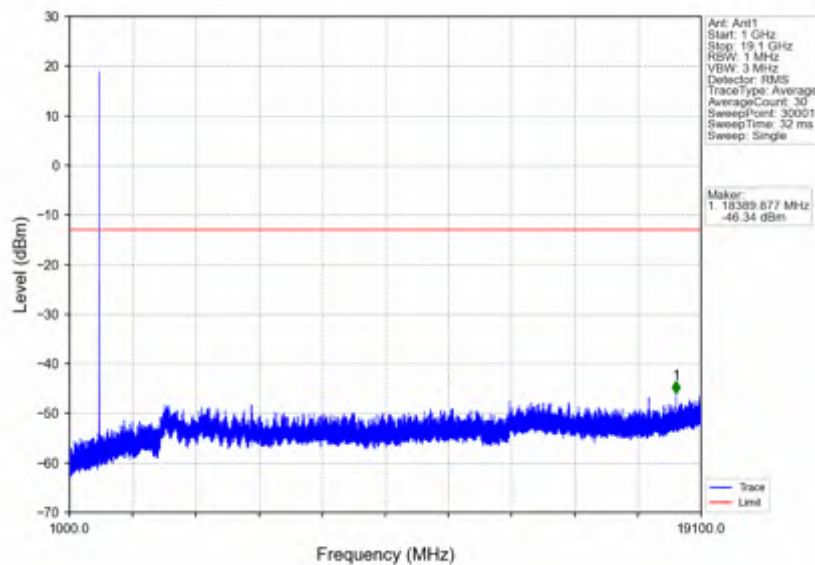
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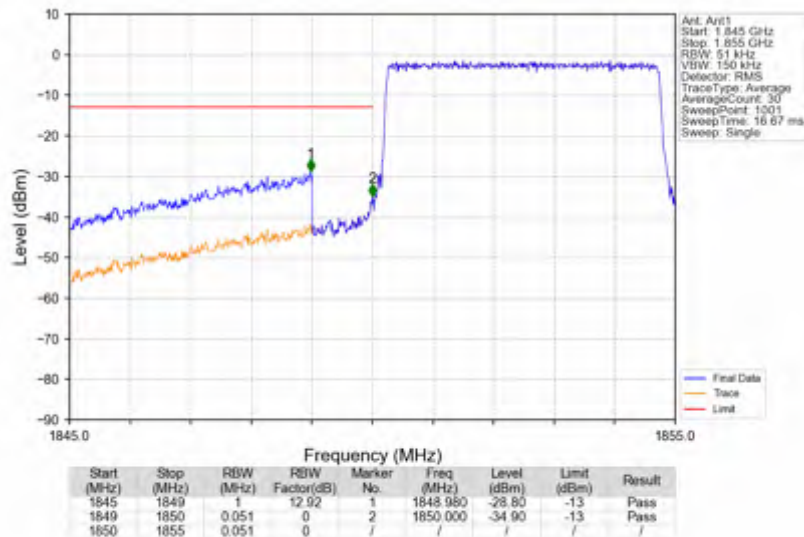
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n2_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1852.5MHz_Outer_Full



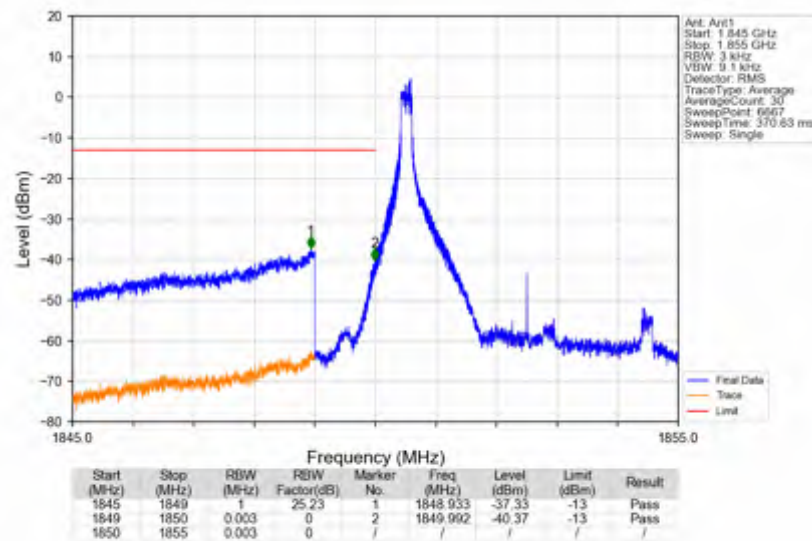
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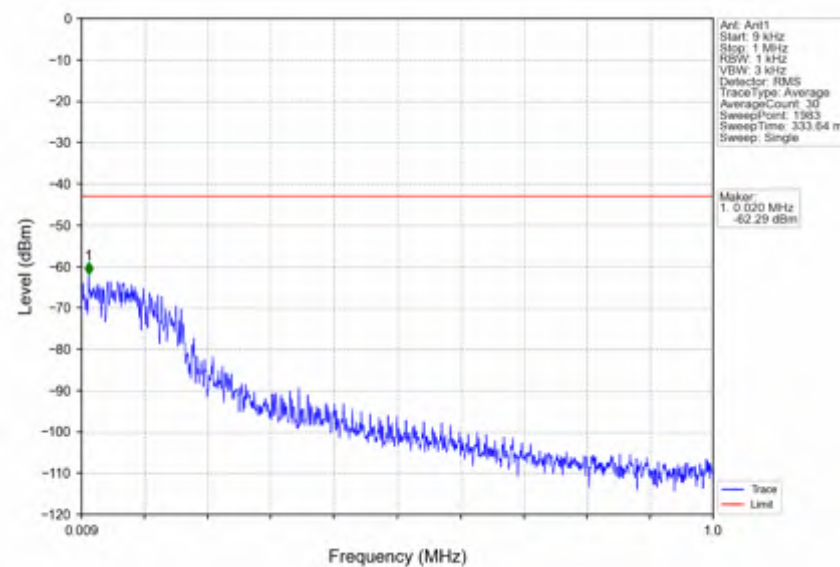
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n2_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1880MHz_Edge_1RB_Left



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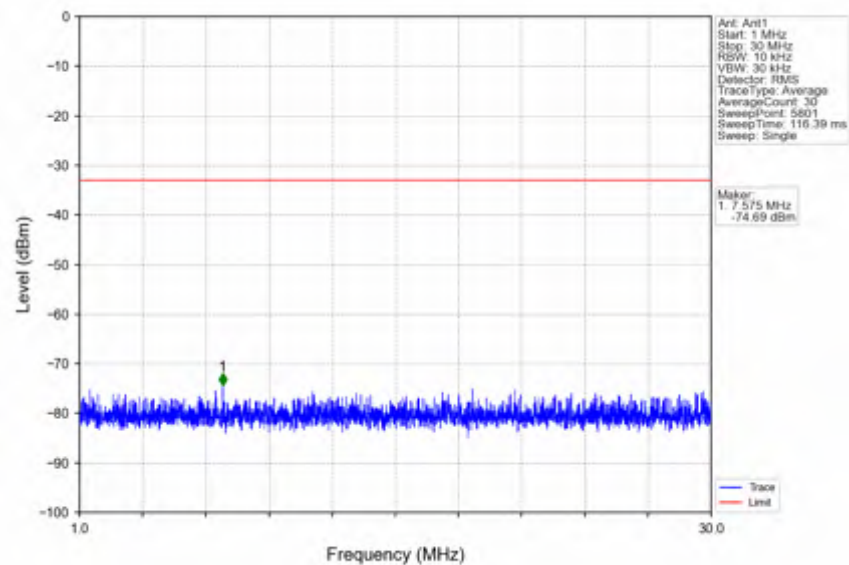
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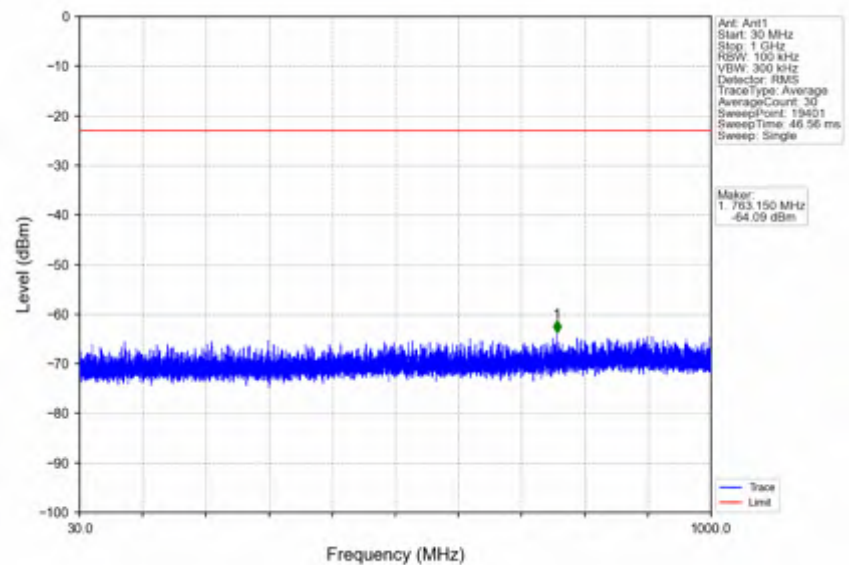
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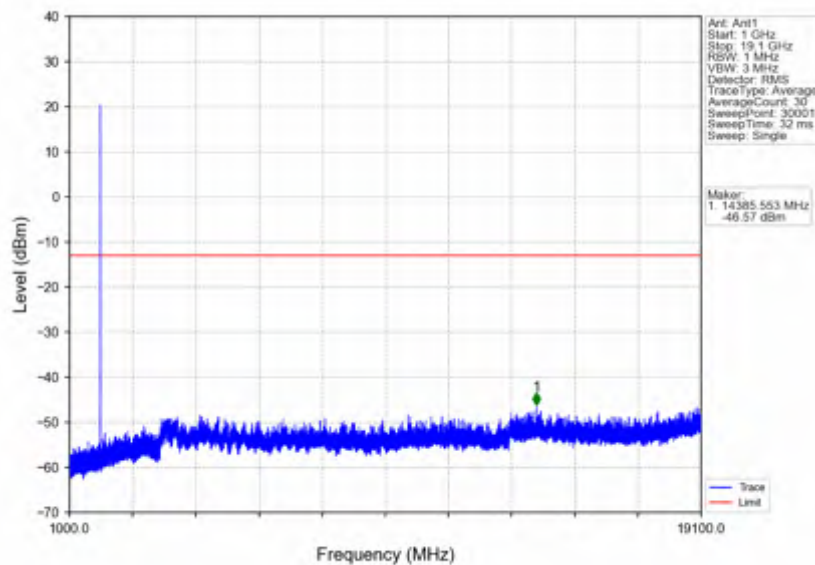
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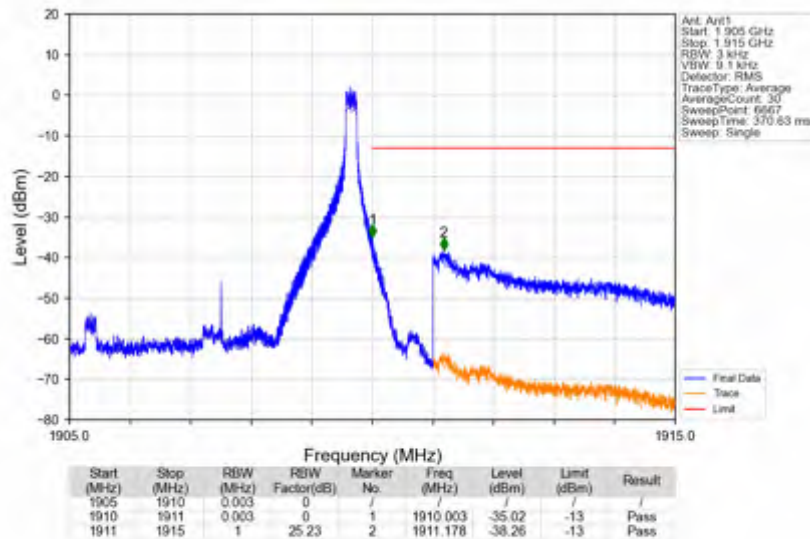
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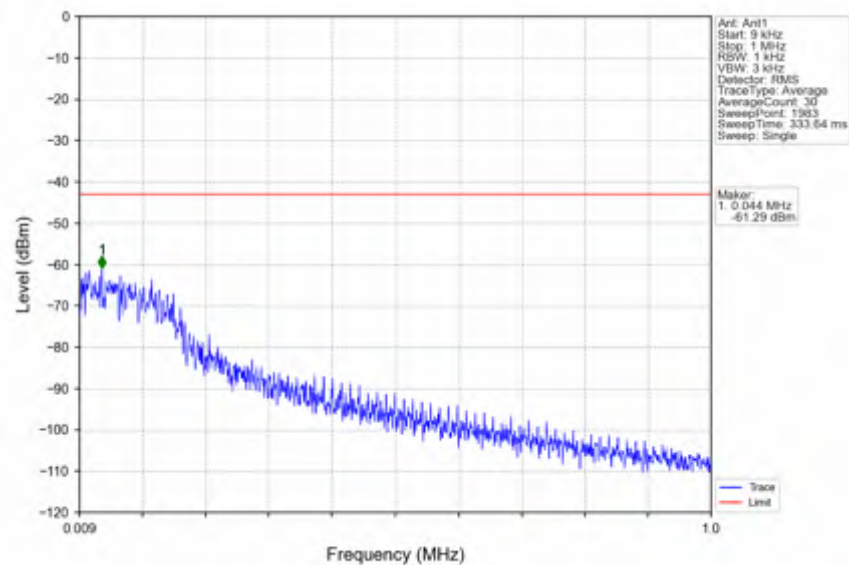


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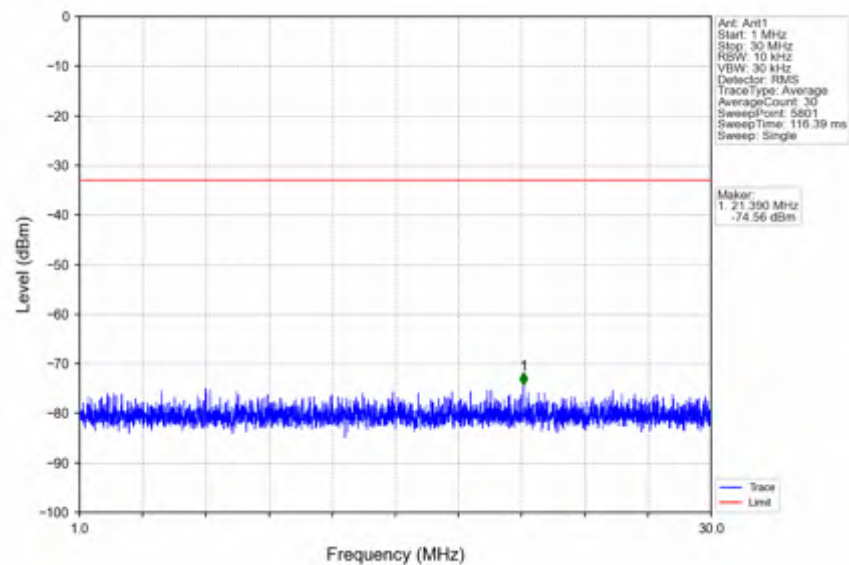
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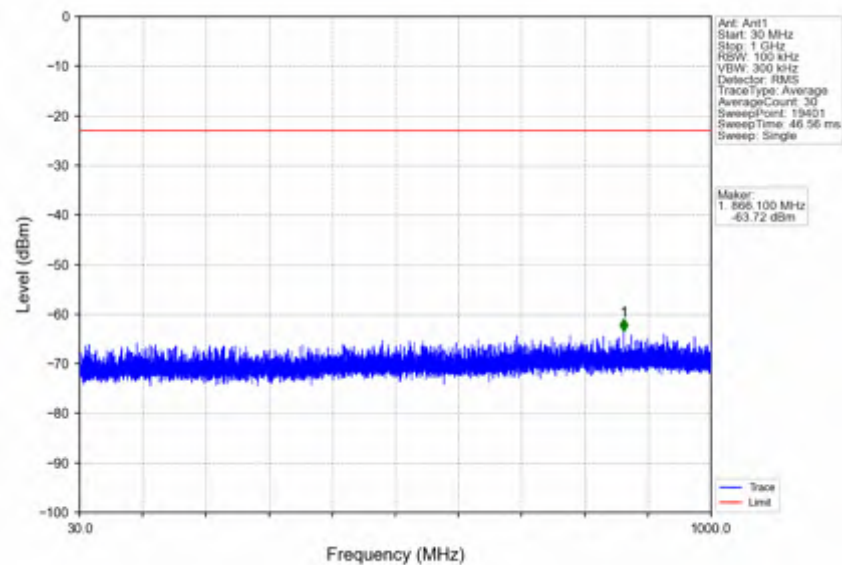


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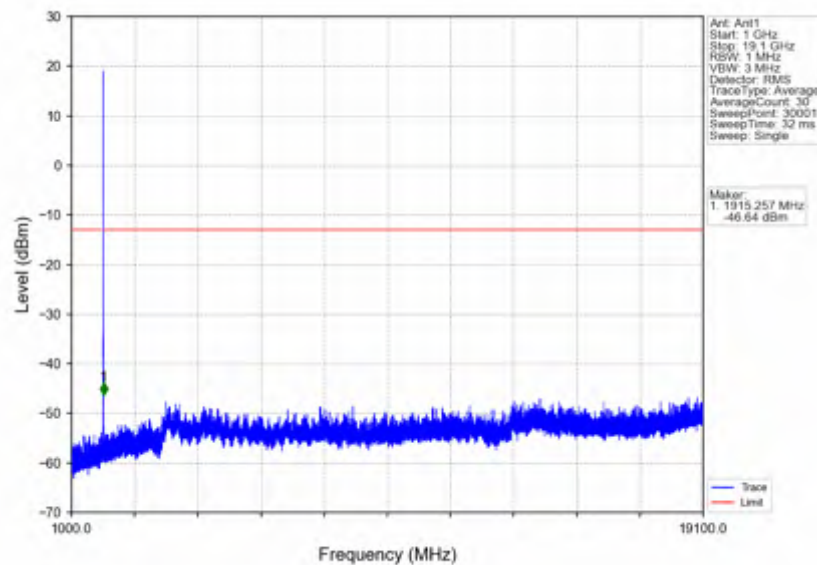
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n2_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_1907.5MHz_Edge_1RB_Right



n2_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_1907.5MHz_Edge_1RB_Right



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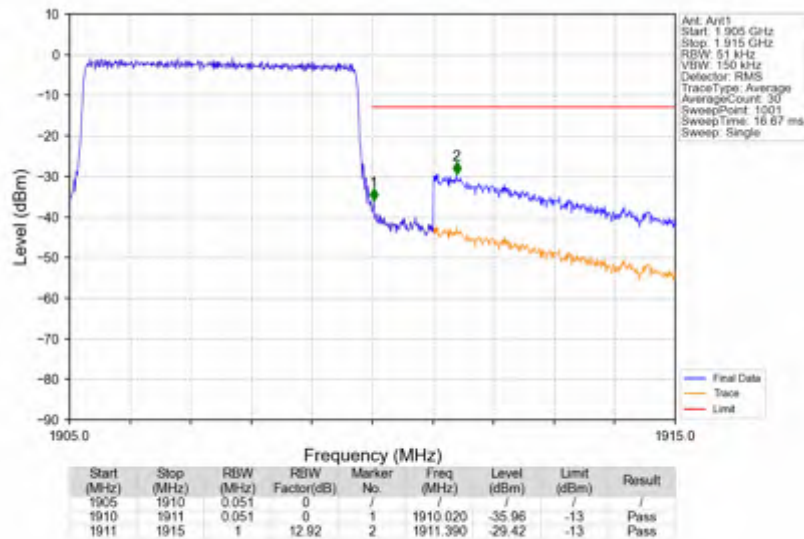
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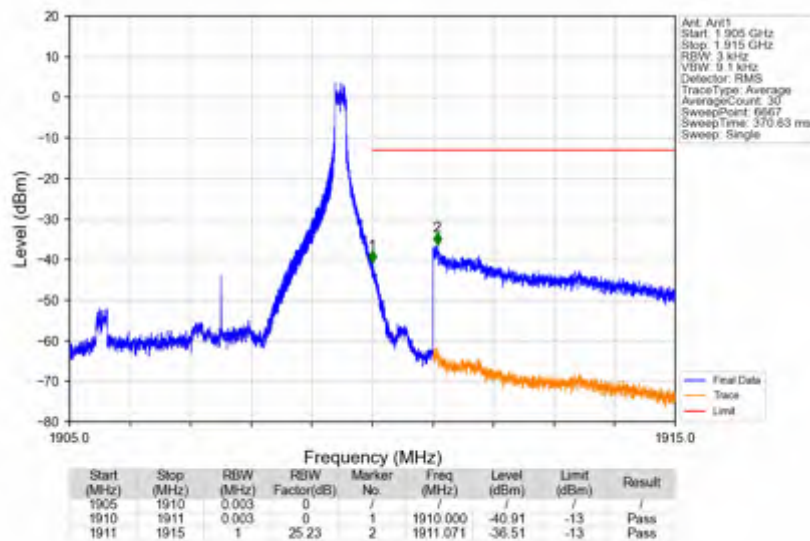
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n2_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_1907.5MHz_Outer_Full



n2_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_1907.5MHz_Inner_1RB_Right



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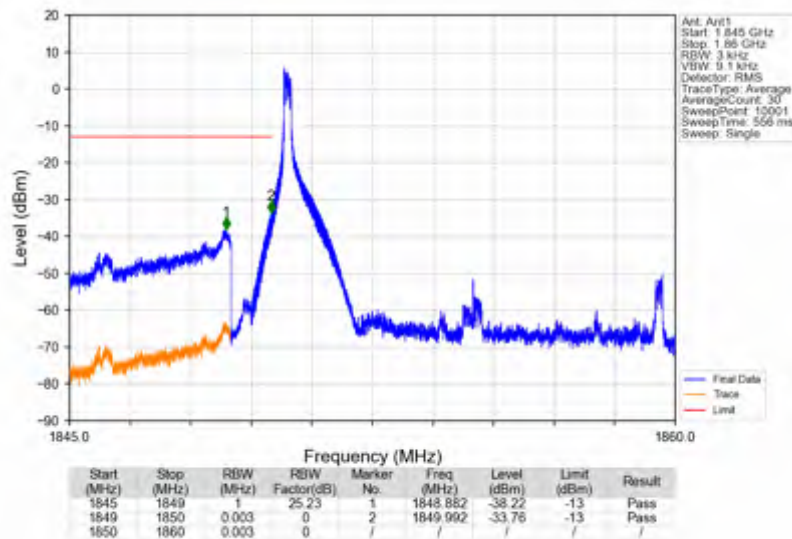
1.2 15k_SISO_10MHz_NTNV

1.2.1 Test Result

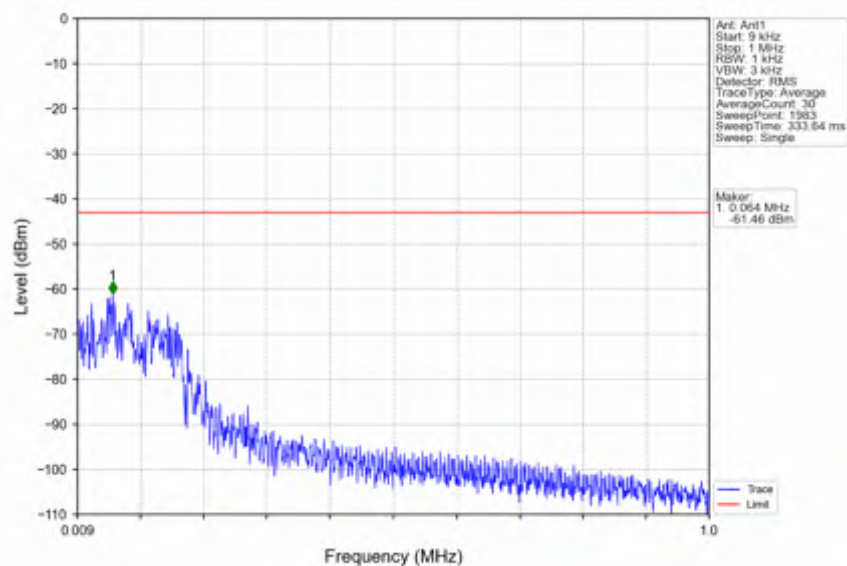
5G NR n2 SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	
DFT-s-OFDM PI/2 BPSK	1855	Edge 1RB Left	Refer To Test Graph			Pass
		Outer Full	Refer To Test Graph			Pass
		Inner 1RB Left	Refer To Test Graph			Pass
	1880	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
		Outer Full	Refer To Test Graph			Pass
DFT-s-OFDM QPSK	1855	Inner 1RB Right	Refer To Test Graph			Pass
	1880	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
	1905	Outer Full	Refer To Test Graph			Pass
		Inner 1RB Right	Refer To Test Graph			Pass
		Inner 1RB Left	Refer To Test Graph			Pass
CP-OFDM QPSK	1855	Edge 1RB Left	Refer To Test Graph			Pass
	1880	Outer Full	Refer To Test Graph			Pass
		Inner 1RB Left	Refer To Test Graph			Pass
	1905	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
		Outer Full	Refer To Test Graph			Pass
CP-OFDM QPSK	1855	Inner 1RB Right	Refer To Test Graph			Pass
	1880	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
	1905	Outer Full	Refer To Test Graph			Pass
		Inner 1RB Right	Refer To Test Graph			Pass
		Inner 1RB Left	Refer To Test Graph			Pass

1.2.2 Test Graph

n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_1855MHz_Edge_1RB_Left



n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_1855MHz_Edge_1RB_Left



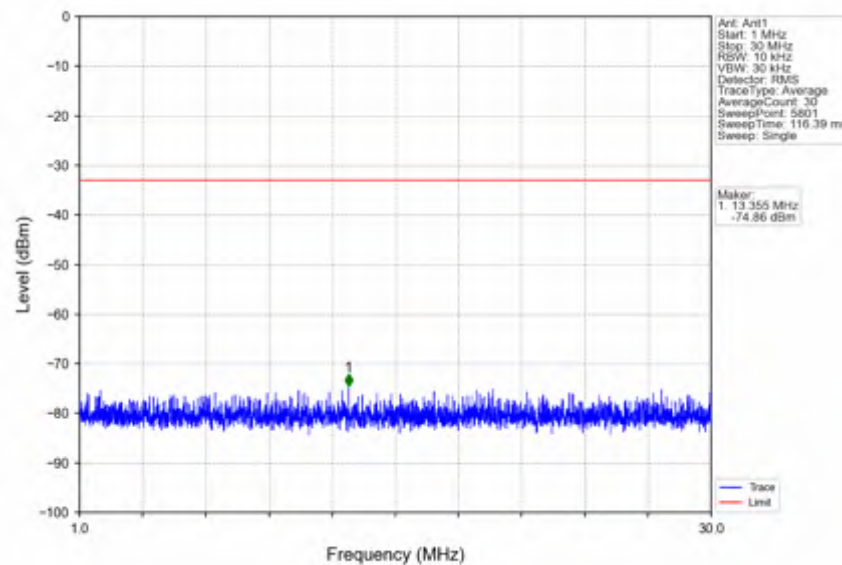
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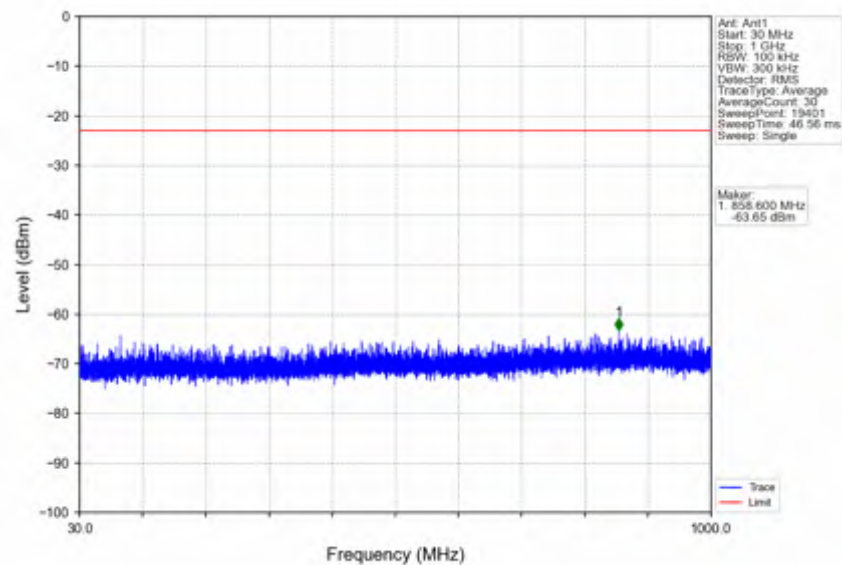
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n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1855MHz_Edge_1RB_Left



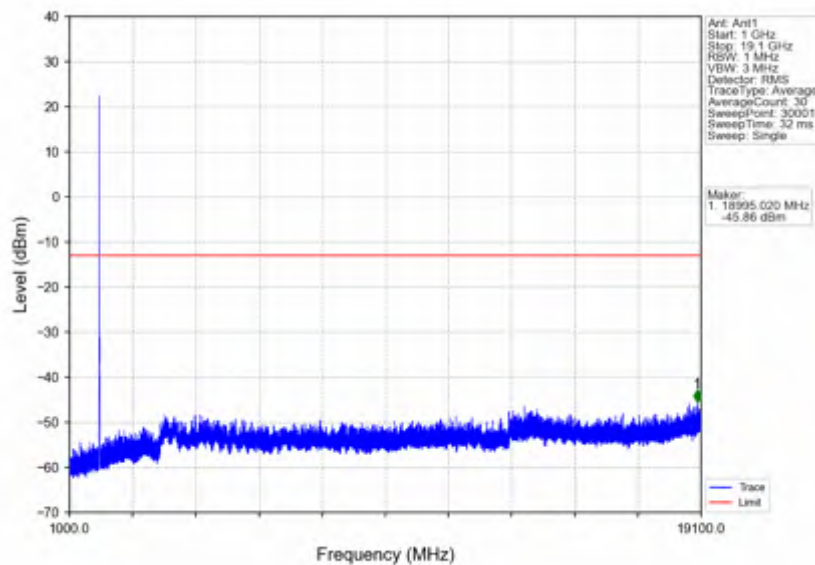
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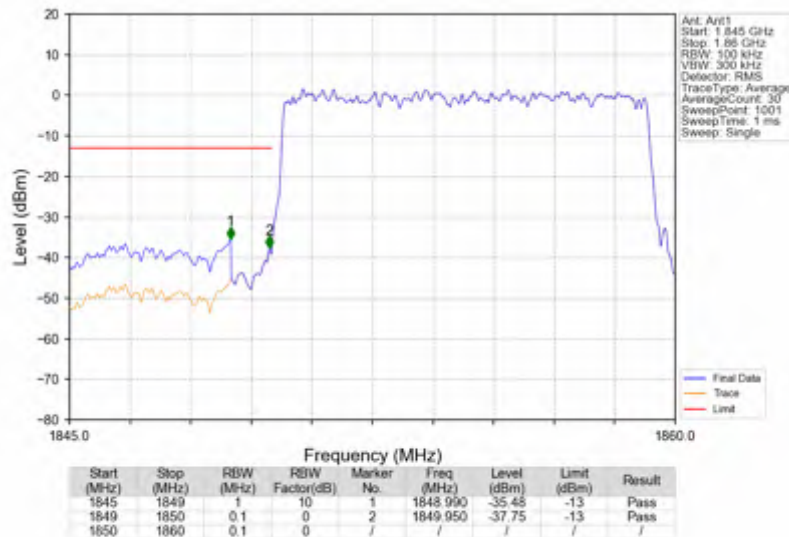
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n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1855MHz_Outer_Full



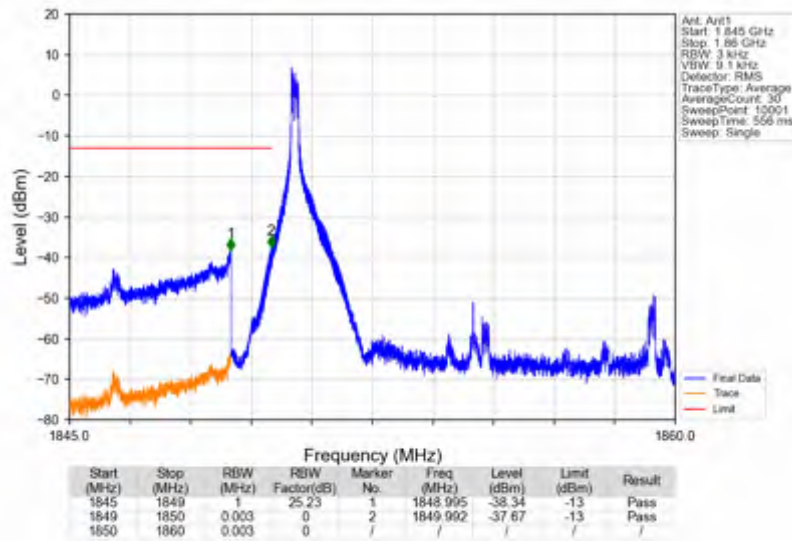
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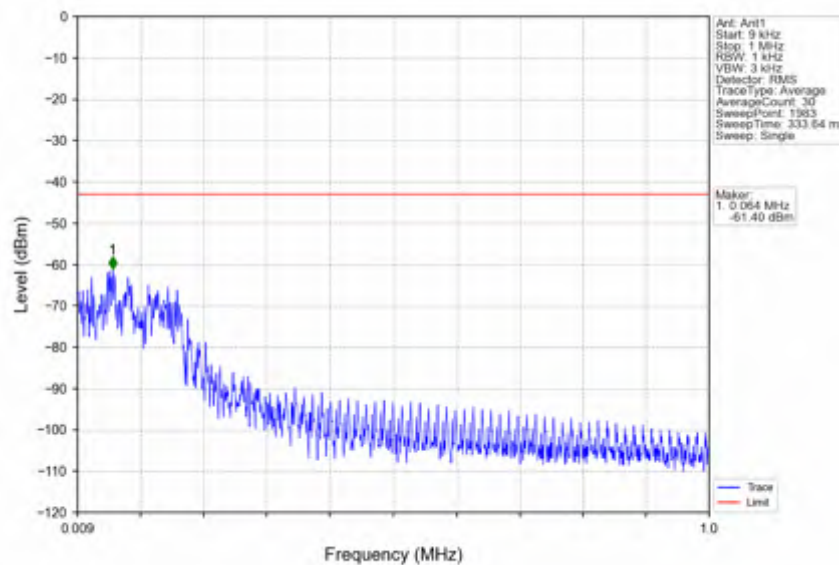
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n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_1880MHz_Edge_1RB_Left

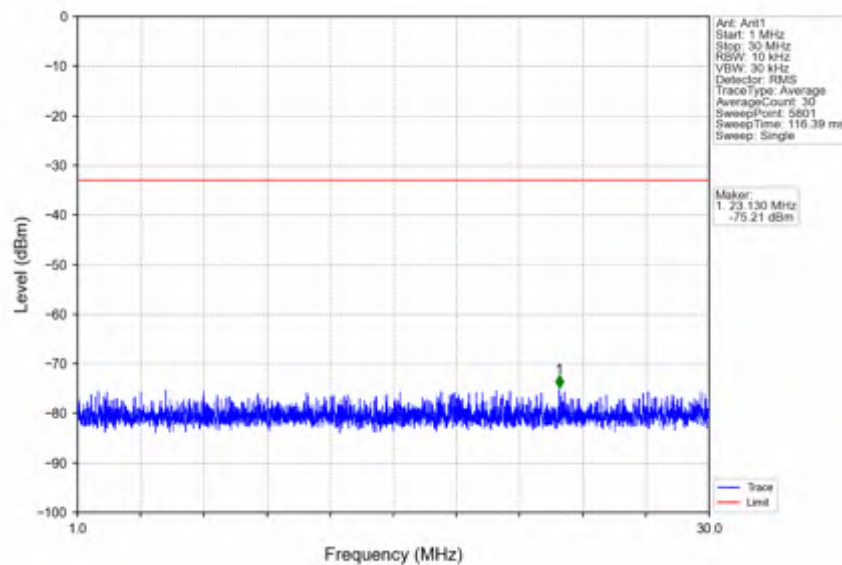


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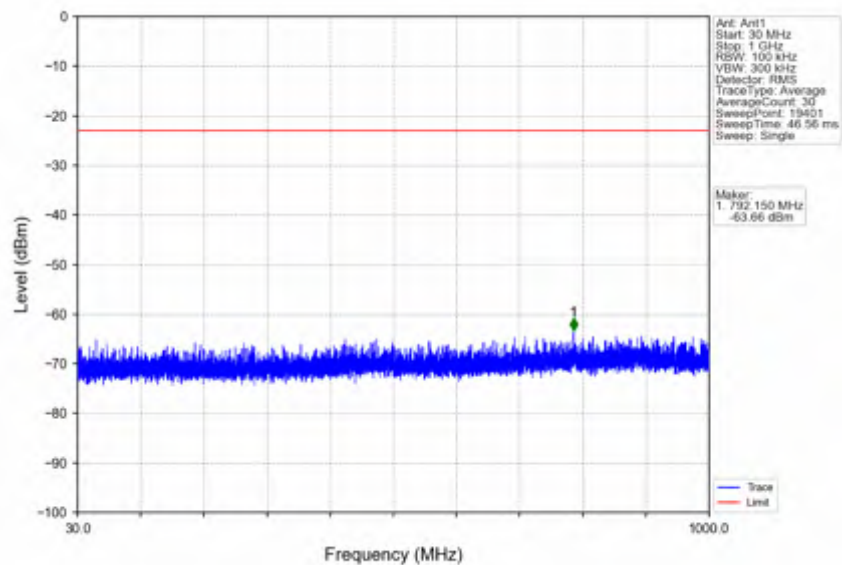
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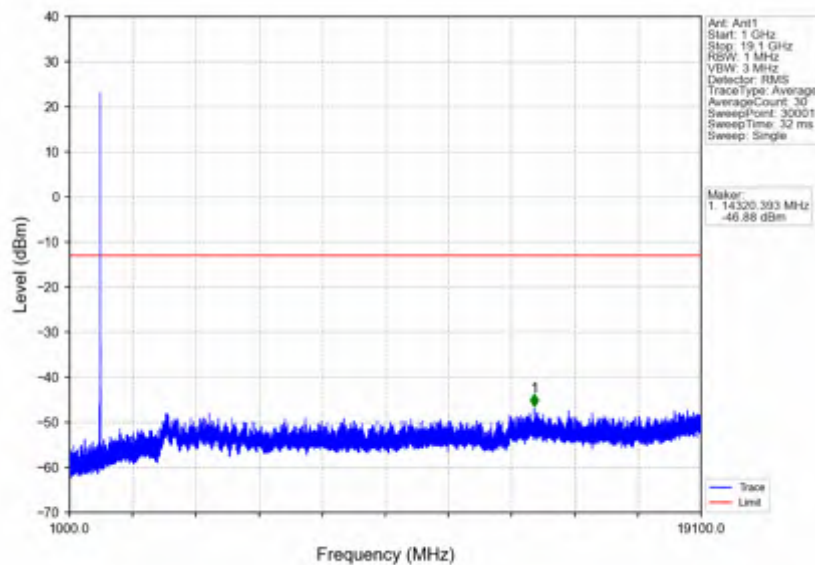
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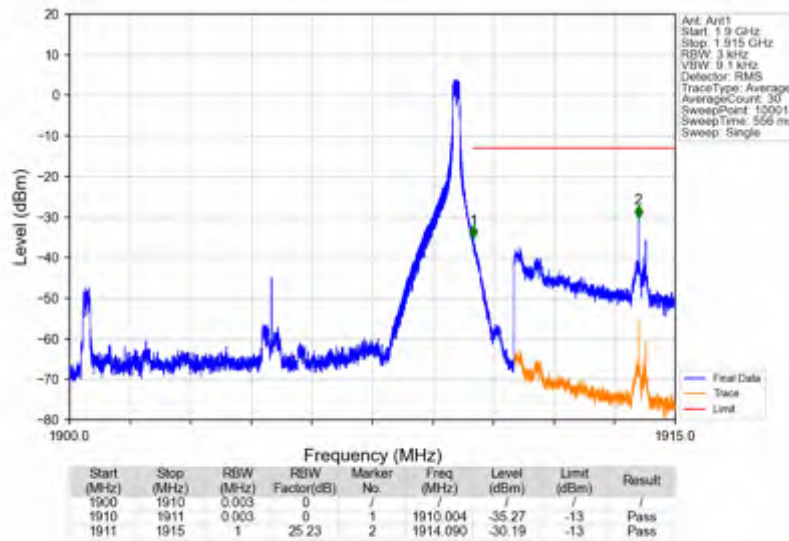
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n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1905MHz_Edge_1RB_Right



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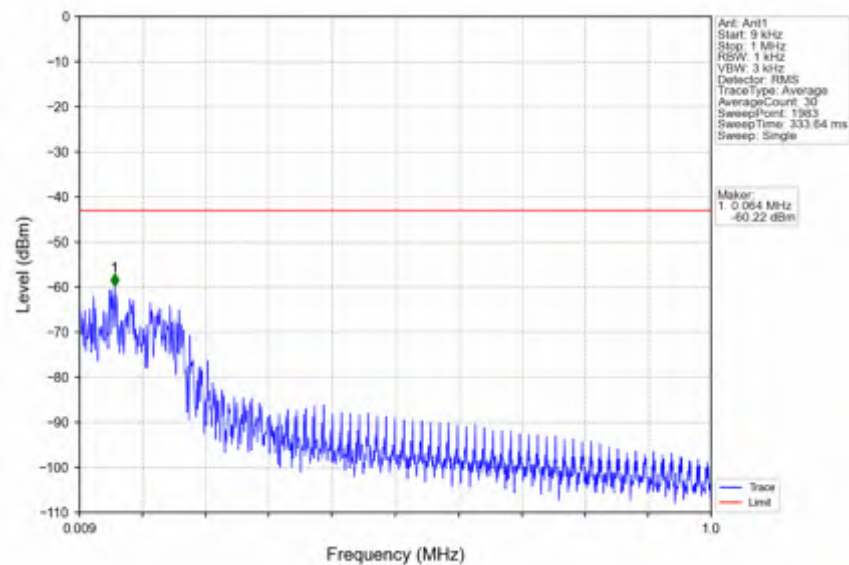
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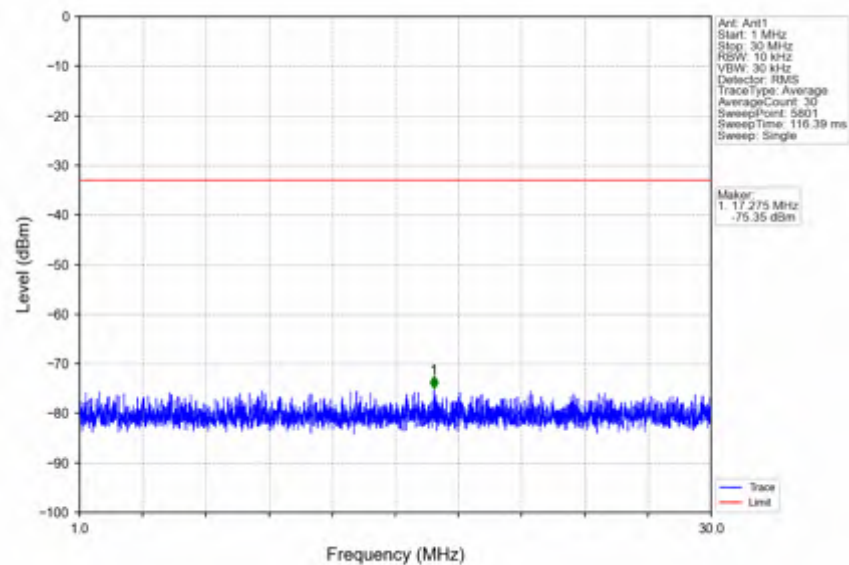
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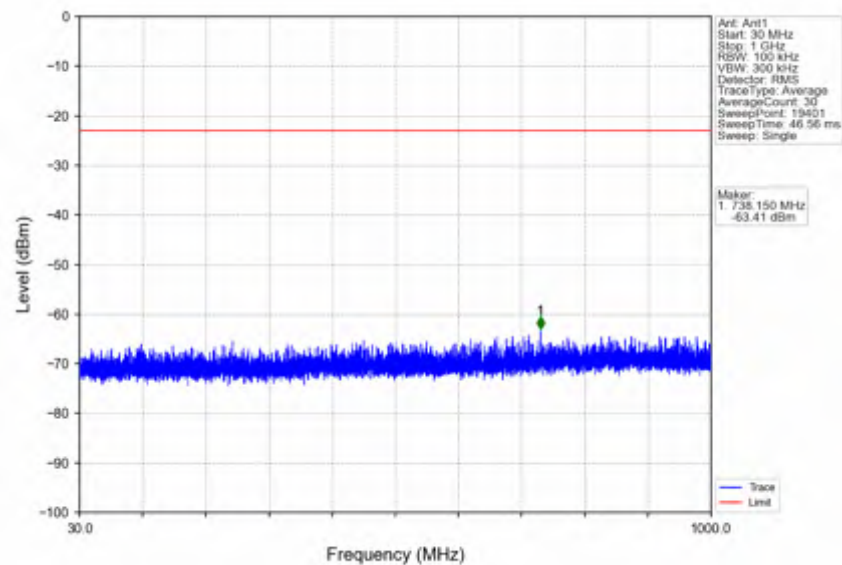
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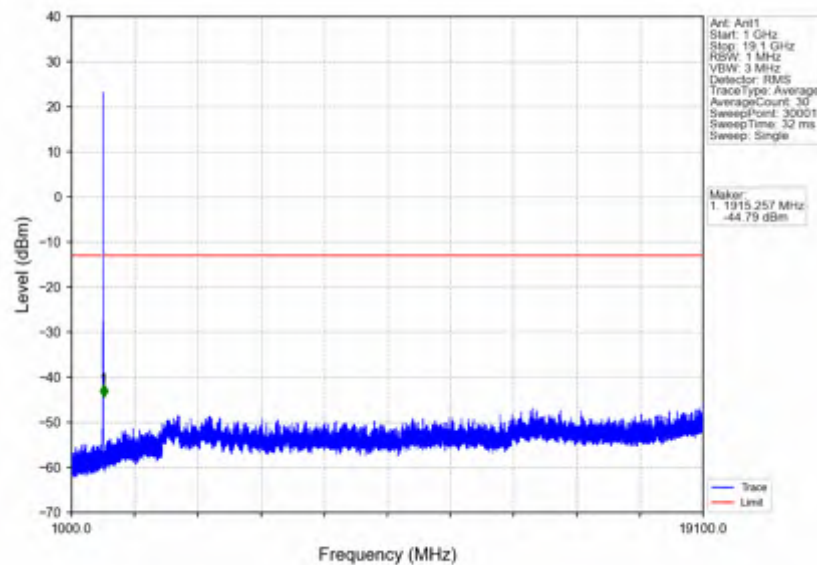
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n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_1905MHz_Edge_1RB_Right

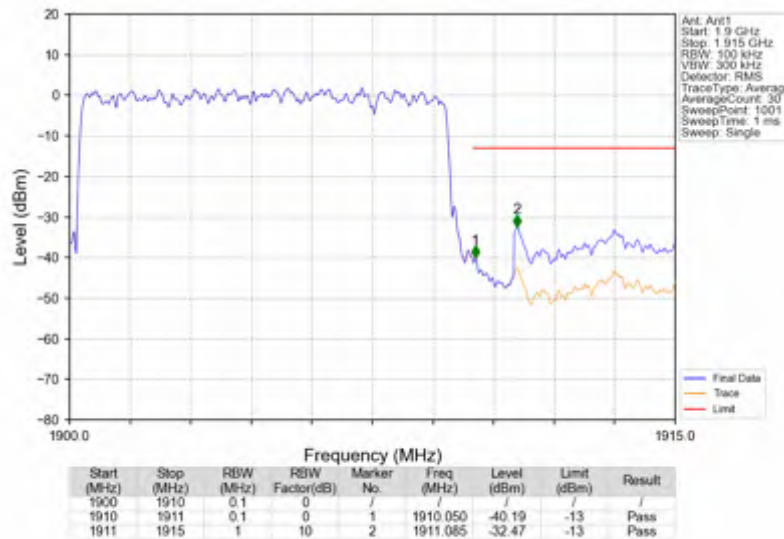


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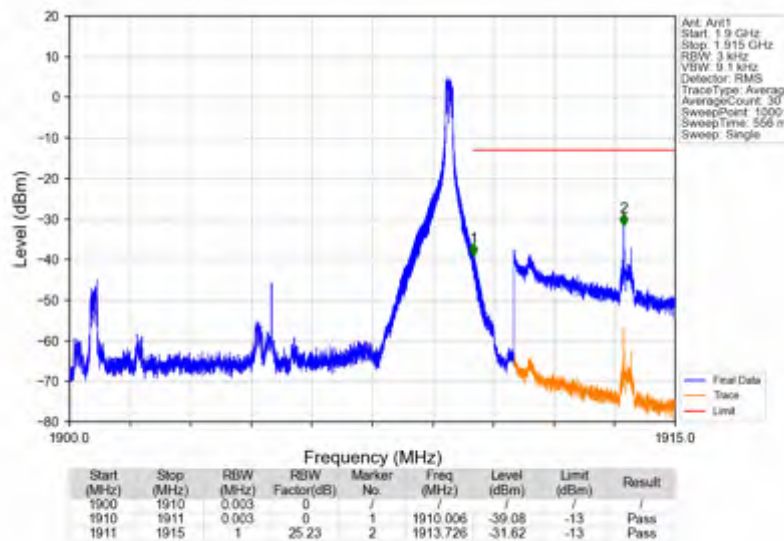
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n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1905MHz_Outer_Full



n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1905MHz_Inner_1RB_Right



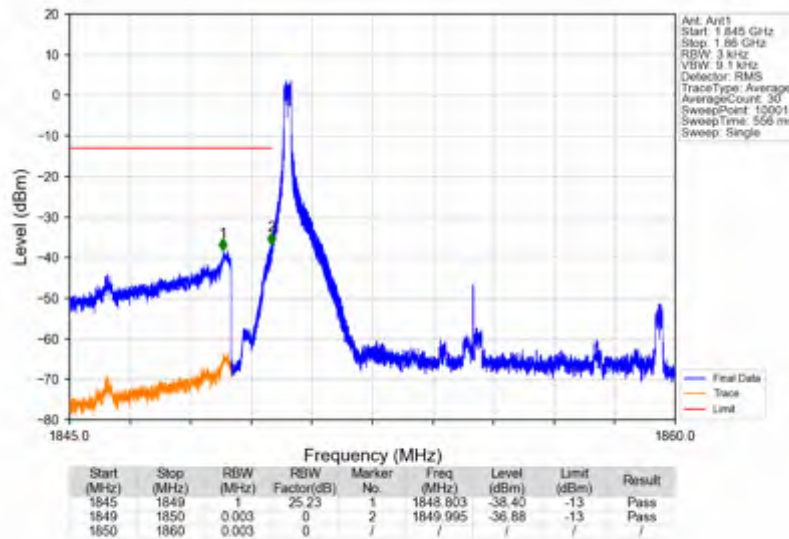
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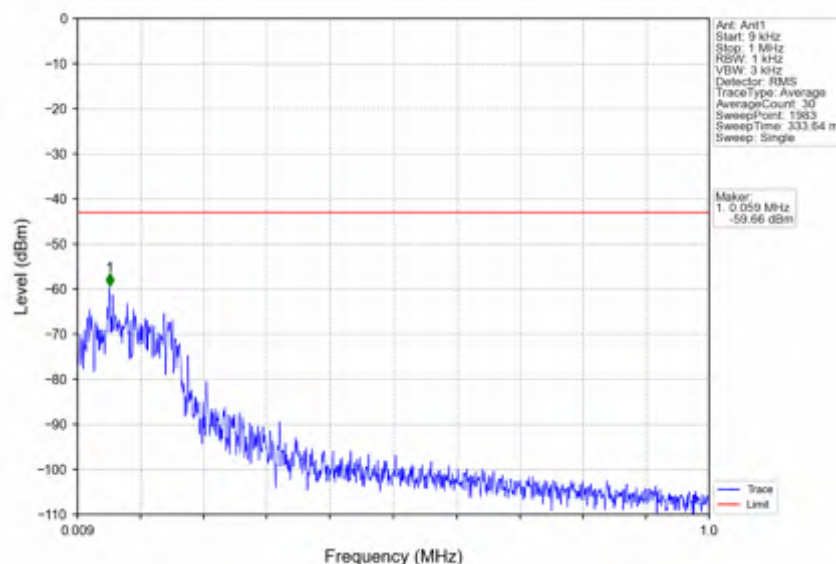
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n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_1855MHz_Edge_1RB_Left



n2	15kHz	SISO	NTNV	10MHz	DFT-s-OFDM	QPSK	1855MHz	Edge	1RB	Left
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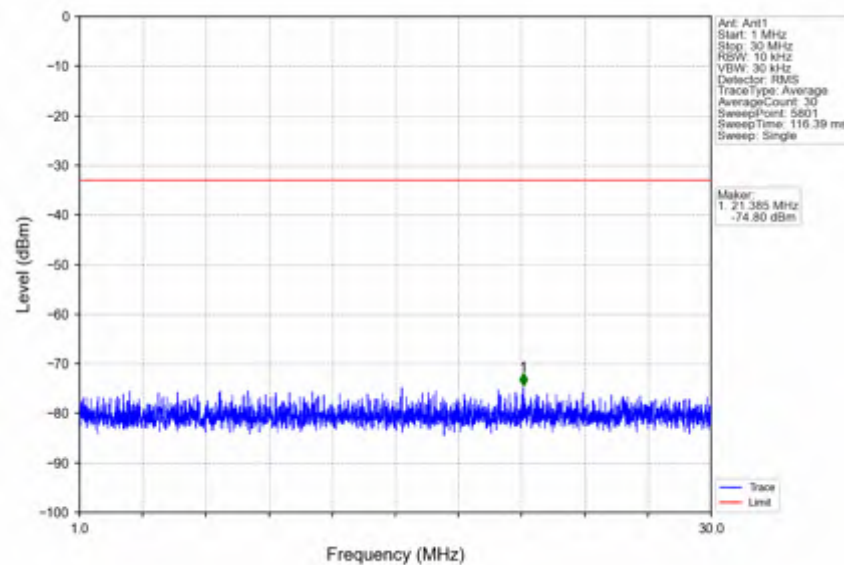


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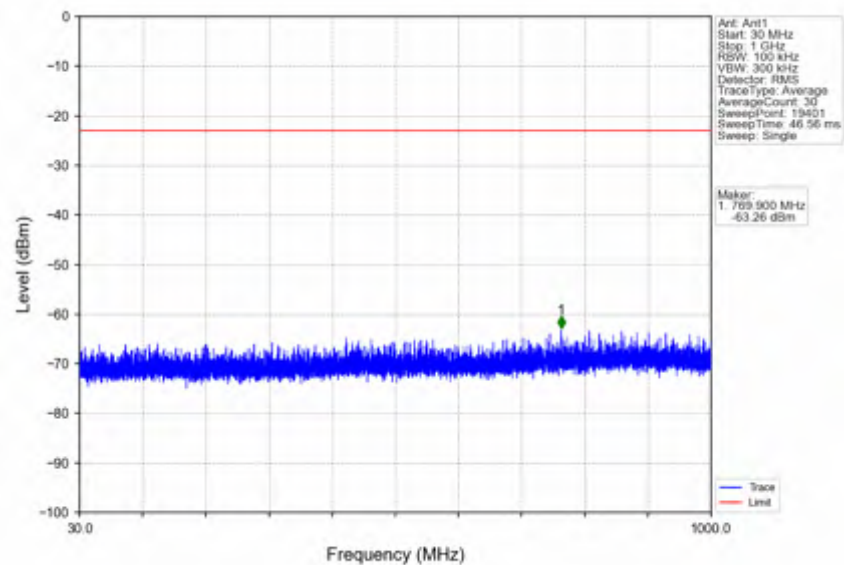
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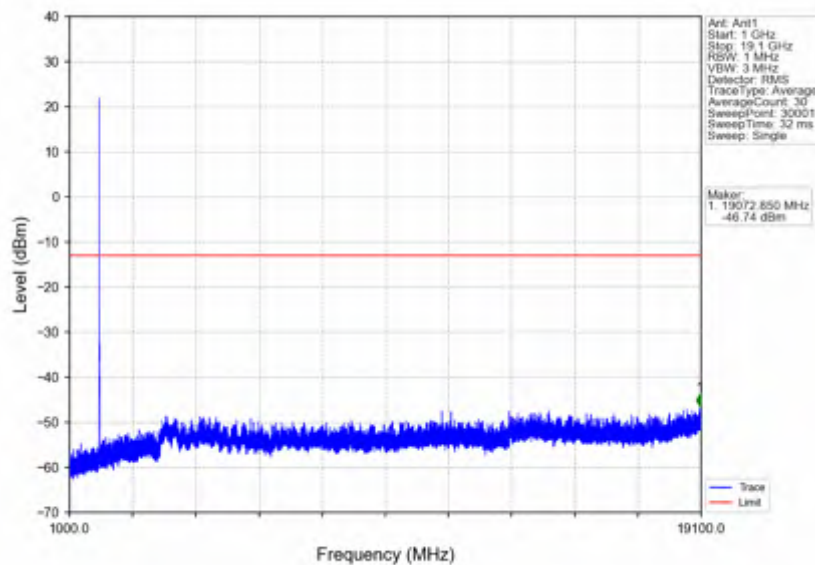
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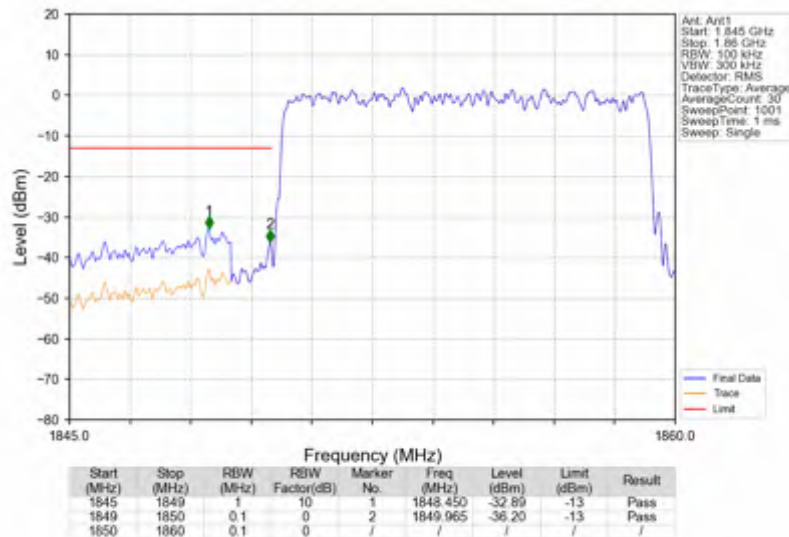
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n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1855MHz_Edge_1RB_Left



n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1855MHz_Outer_Full



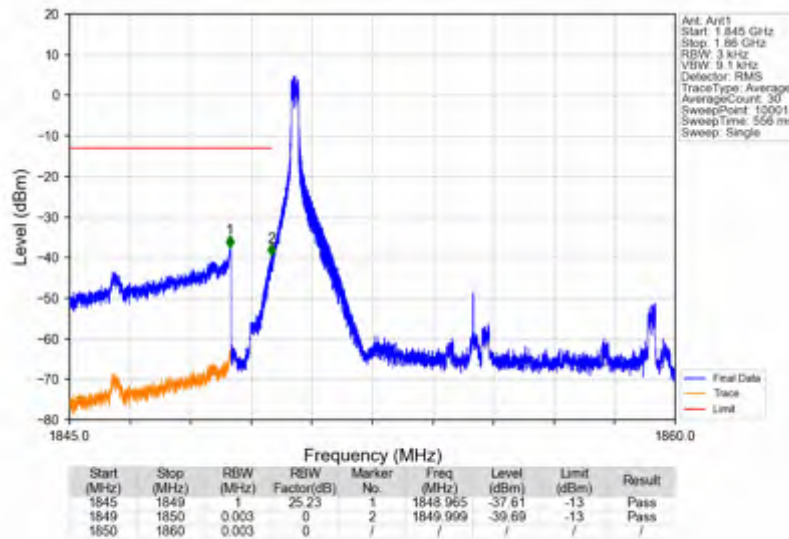
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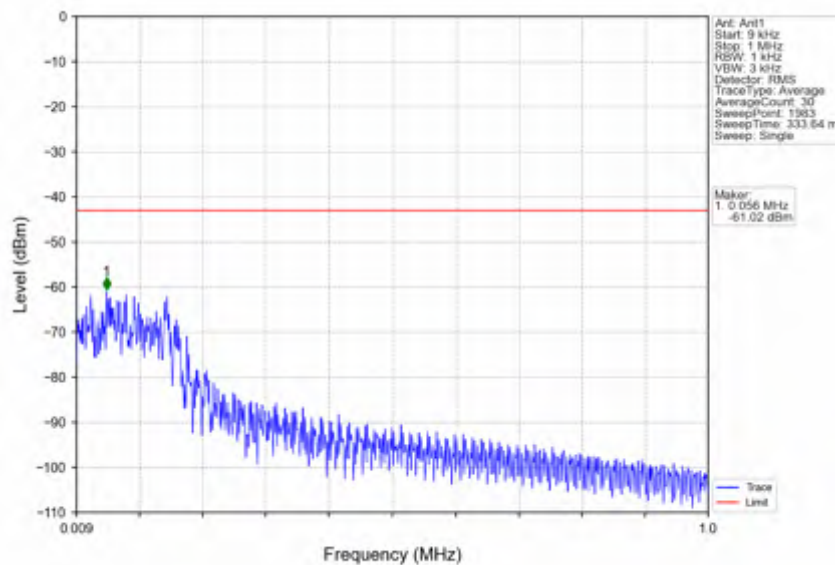
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n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1880MHz_Edge_1RB_Left

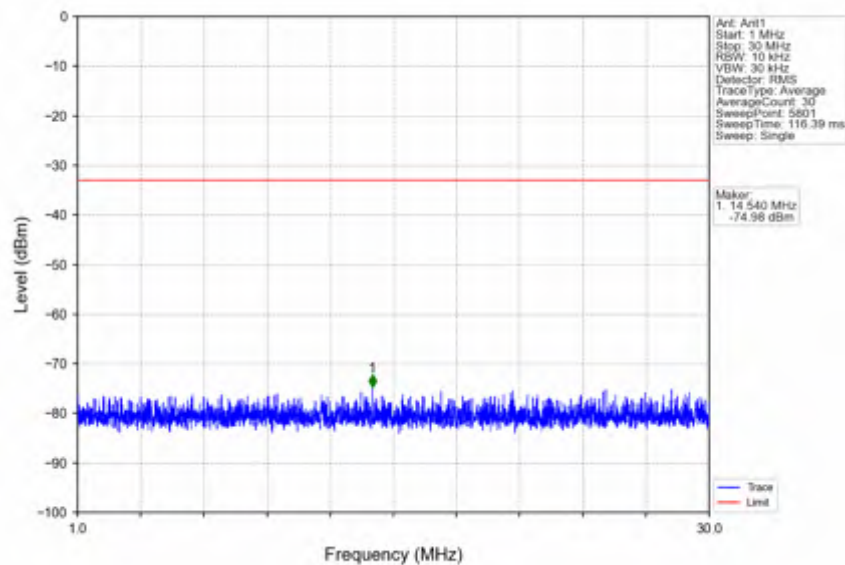


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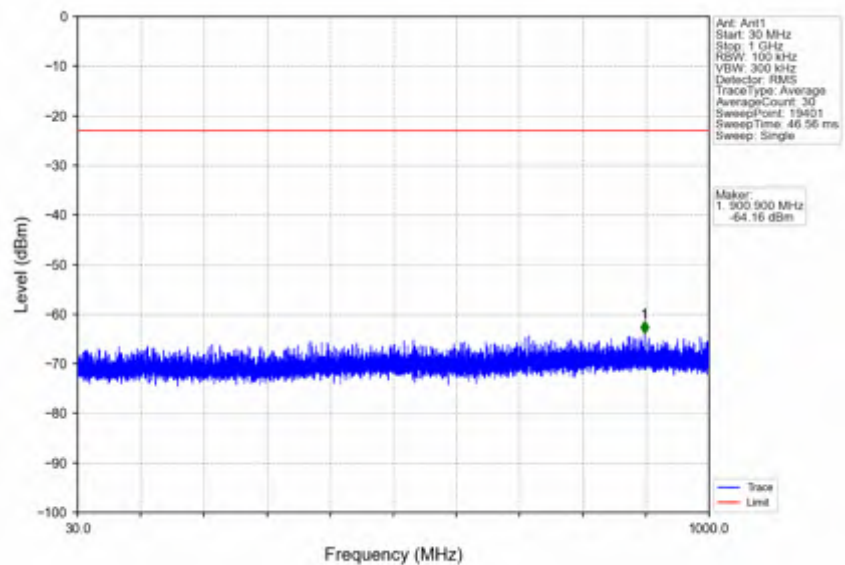
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n2_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1880MHz_Edge_1RB_Left



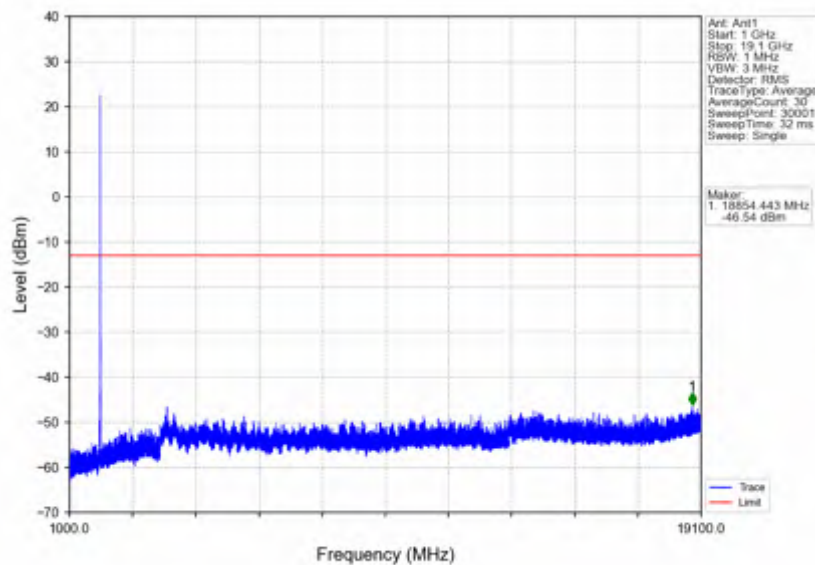
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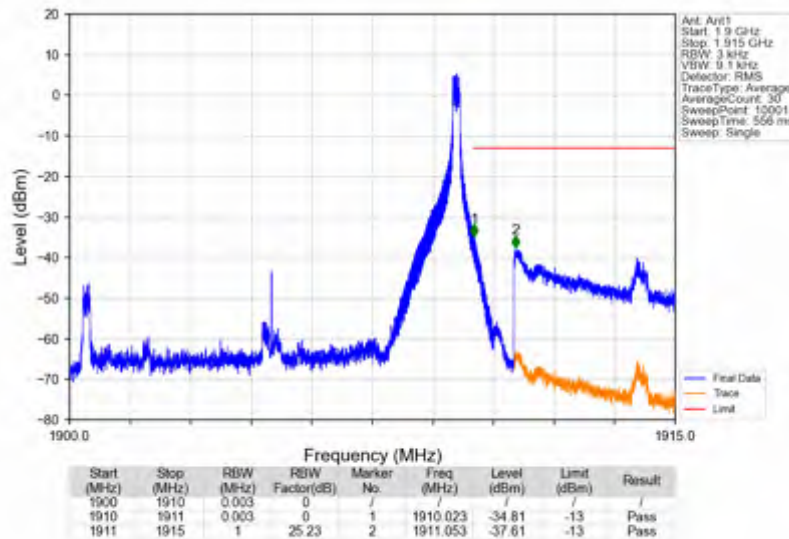
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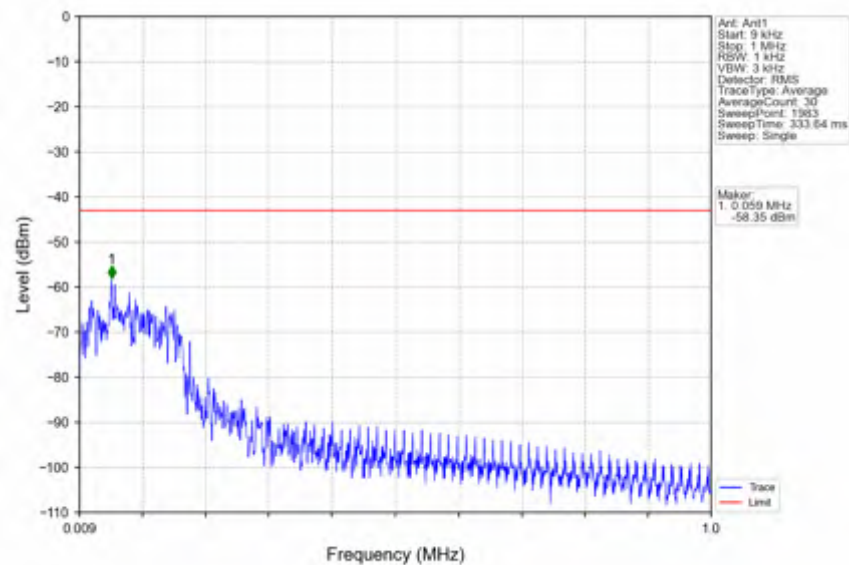
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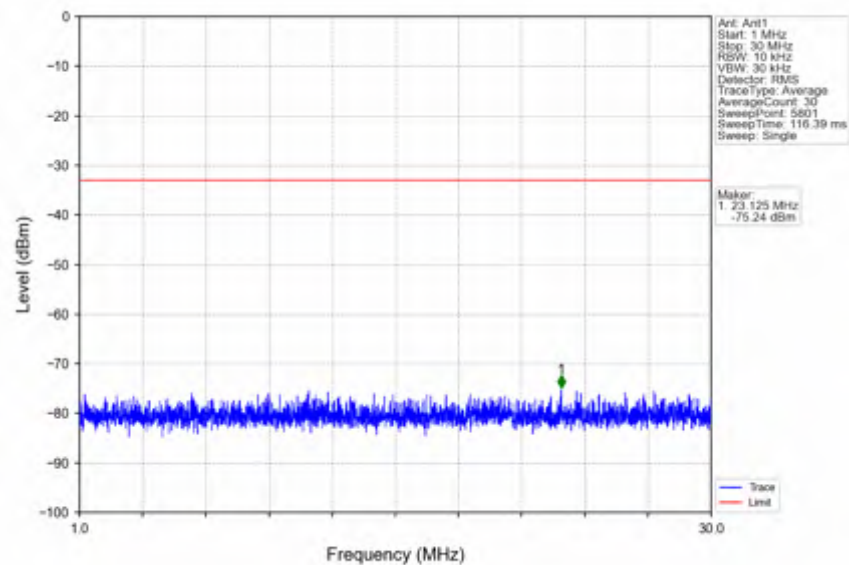
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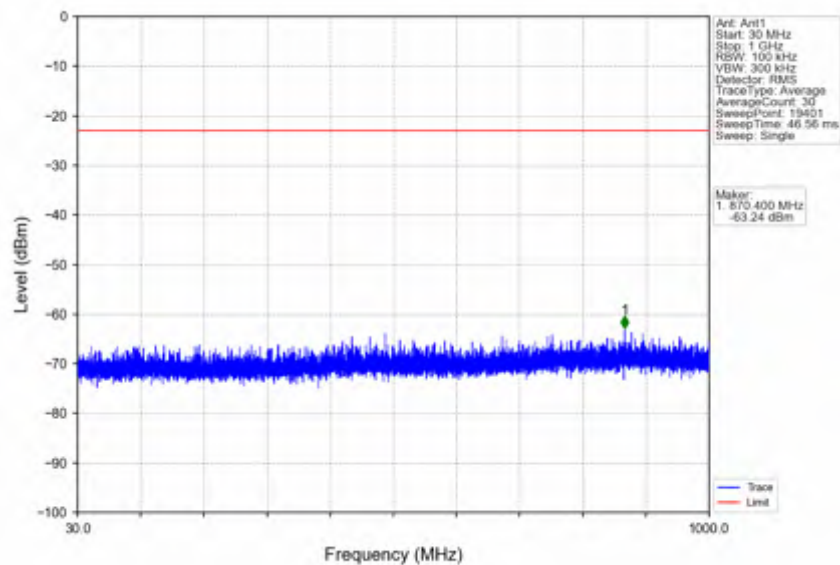
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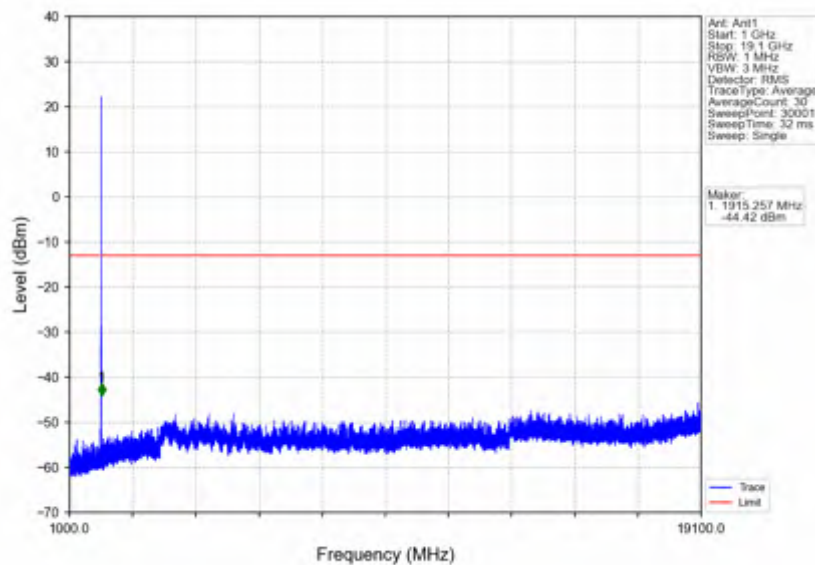
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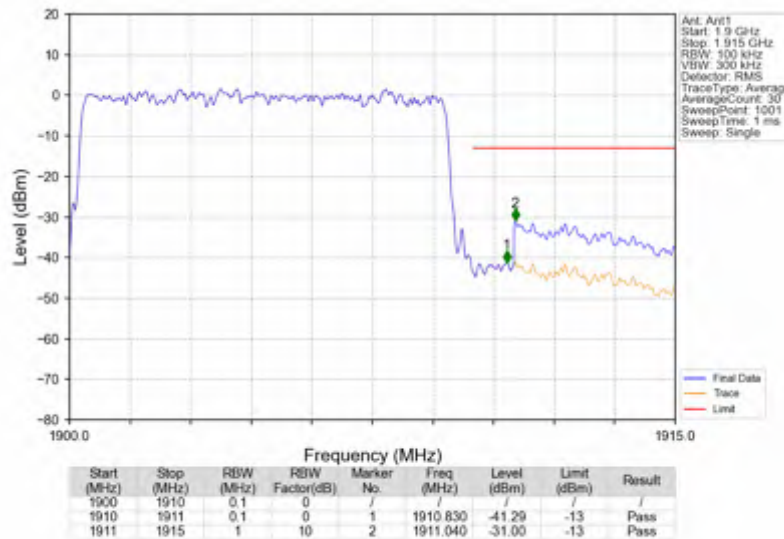
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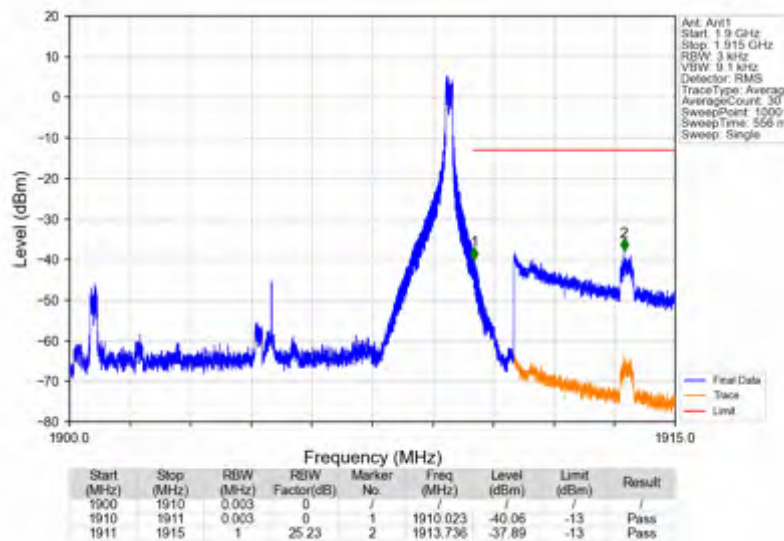
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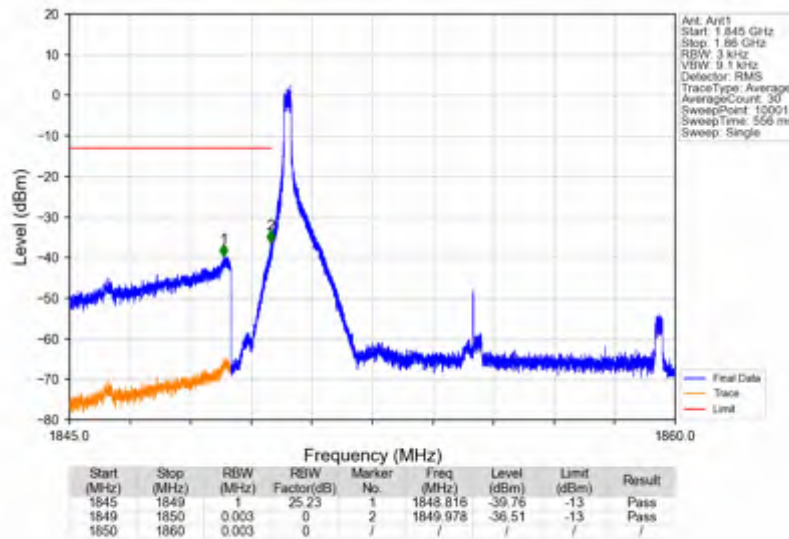
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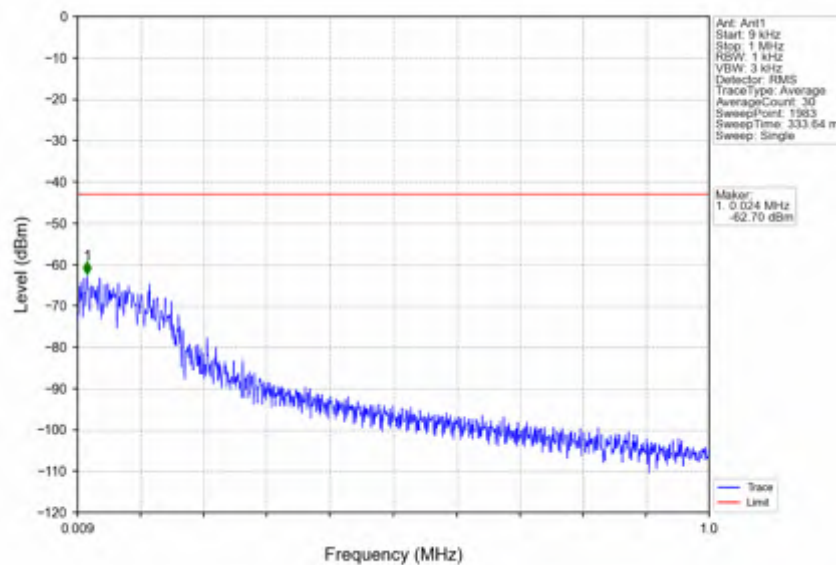
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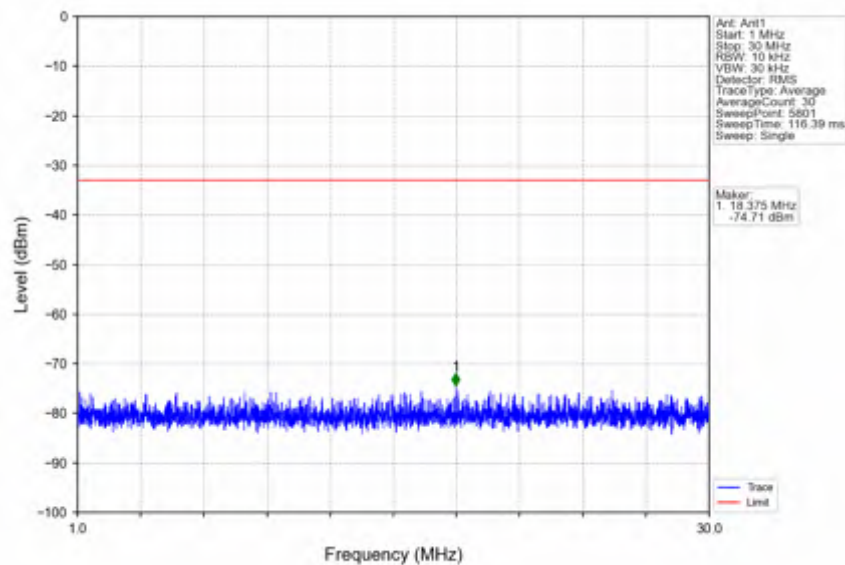


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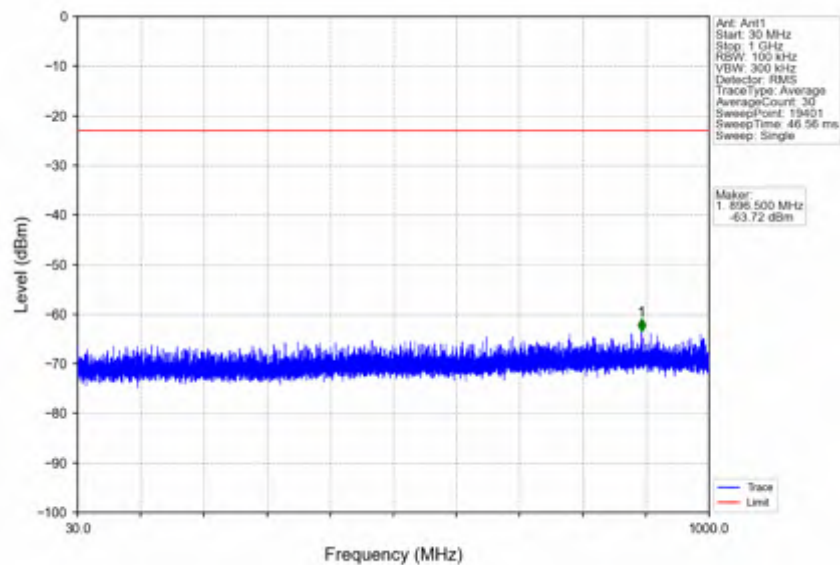
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n2_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1855MHz_Edge_1RB_Left



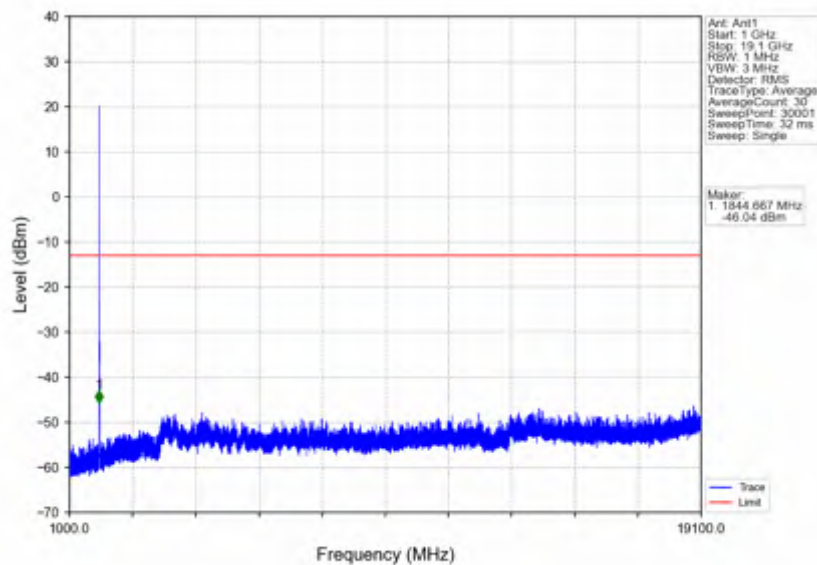
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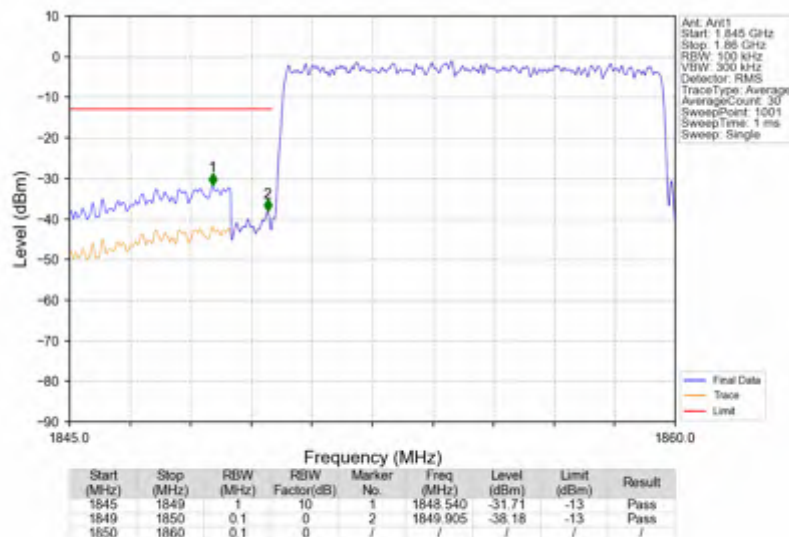
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n2_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1855MHz_Edge_1RB_Left



n2_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1855MHz_Outer_Full



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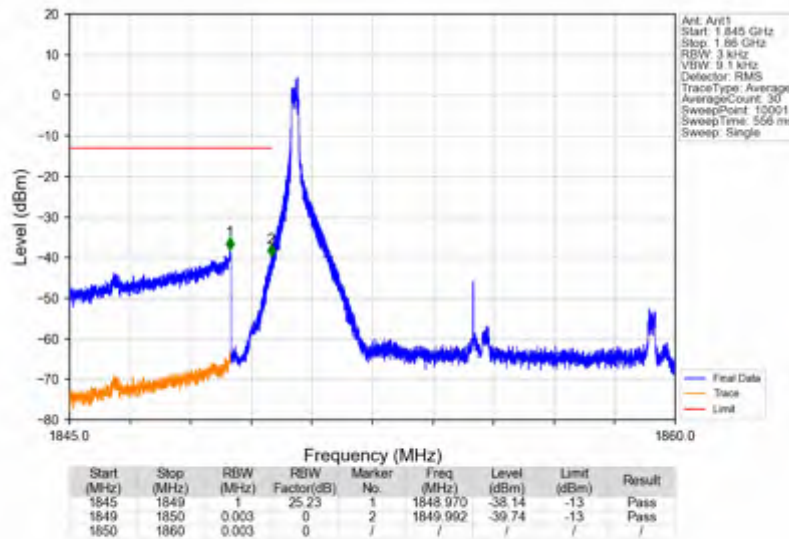
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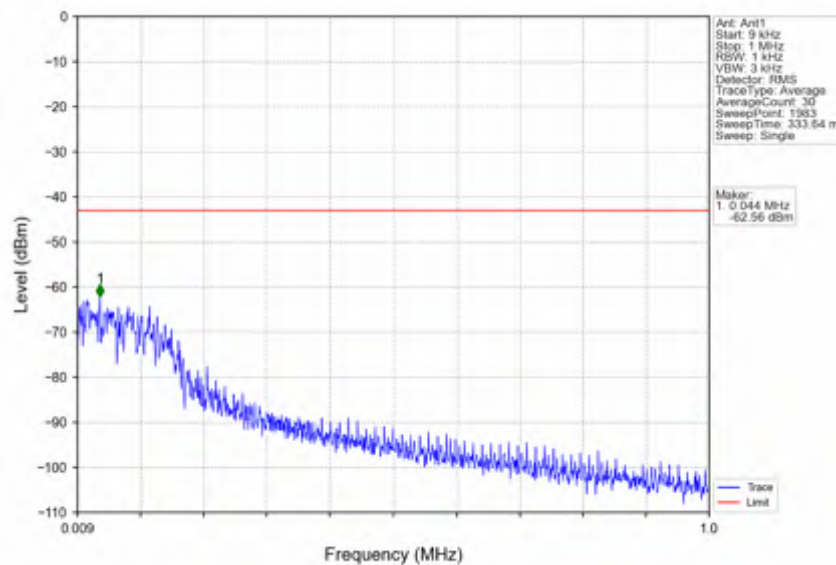
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n2_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_1855MHz_Inner_1RB_Left



n2 15kHz SISO NTNv 10MHz CP-OFDM QPSK 1880MHz Edge 1RB Left

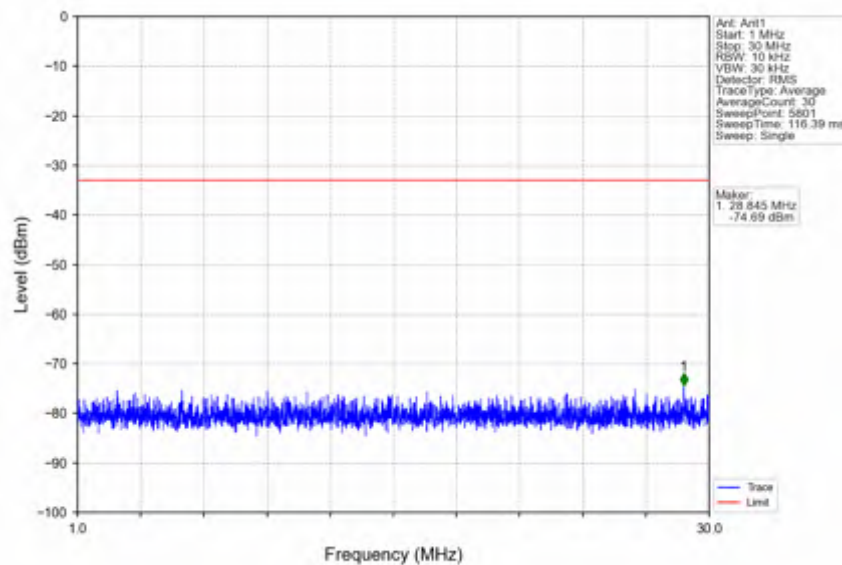


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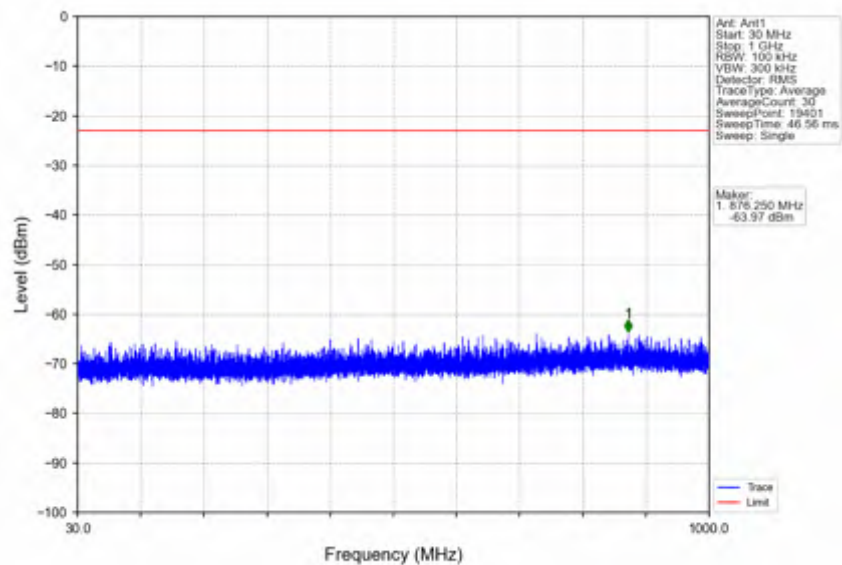
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n2_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1880MHz_Edge_1RB_Left



n2_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1880MHz_Edge_1RB_Left



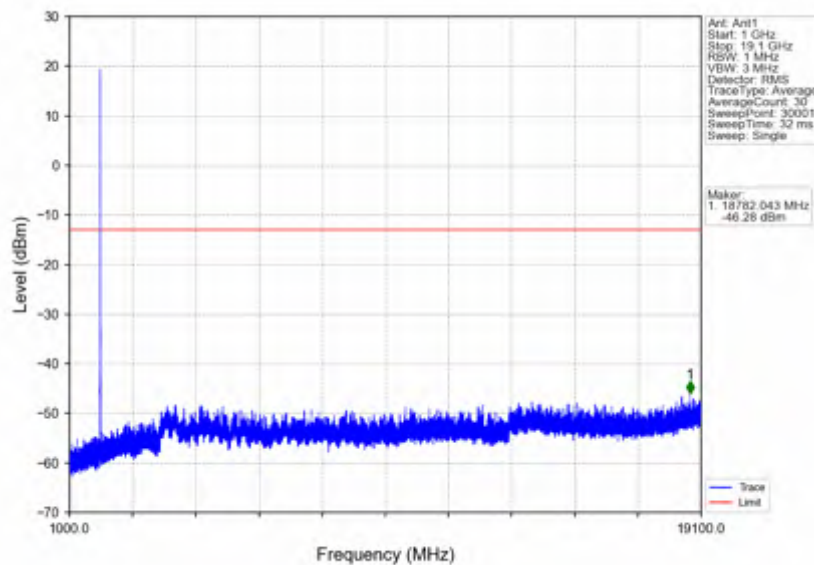
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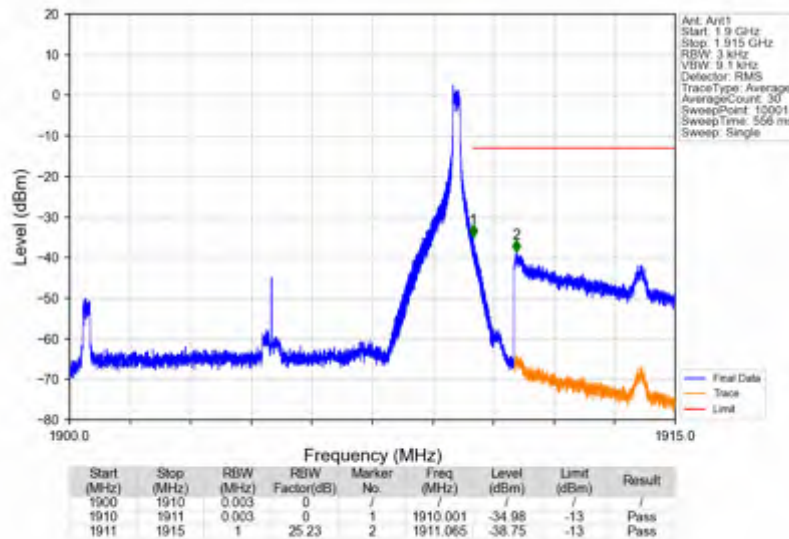
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n2_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1880MHz_Edge_1RB_Left



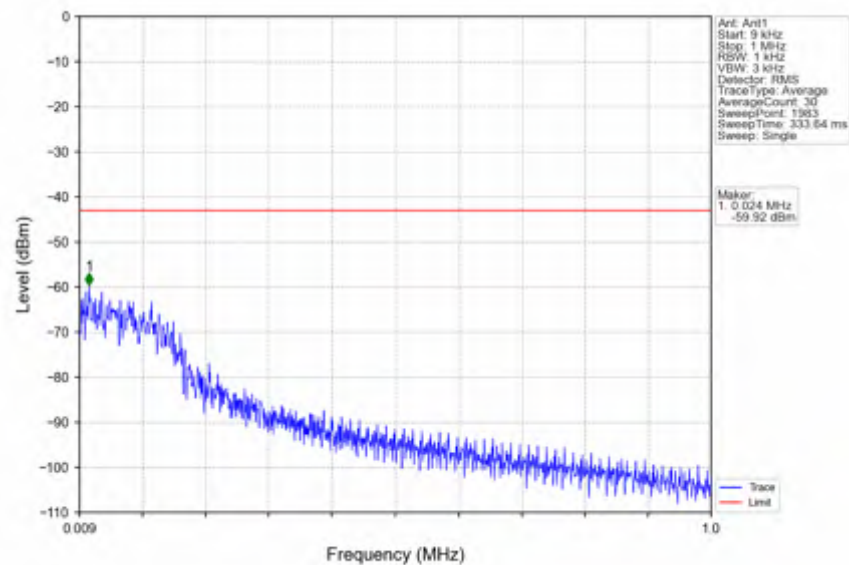
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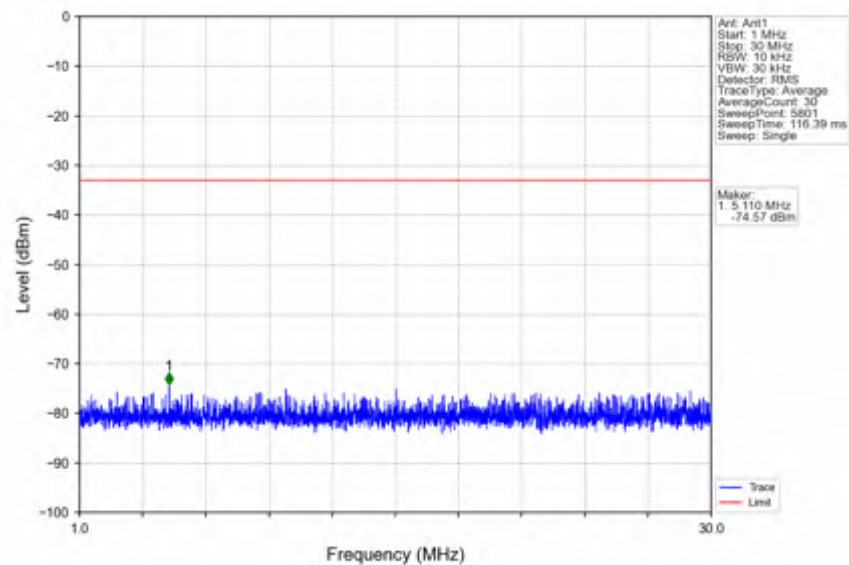
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n2_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_1905MHz_Edge_1RB_Right

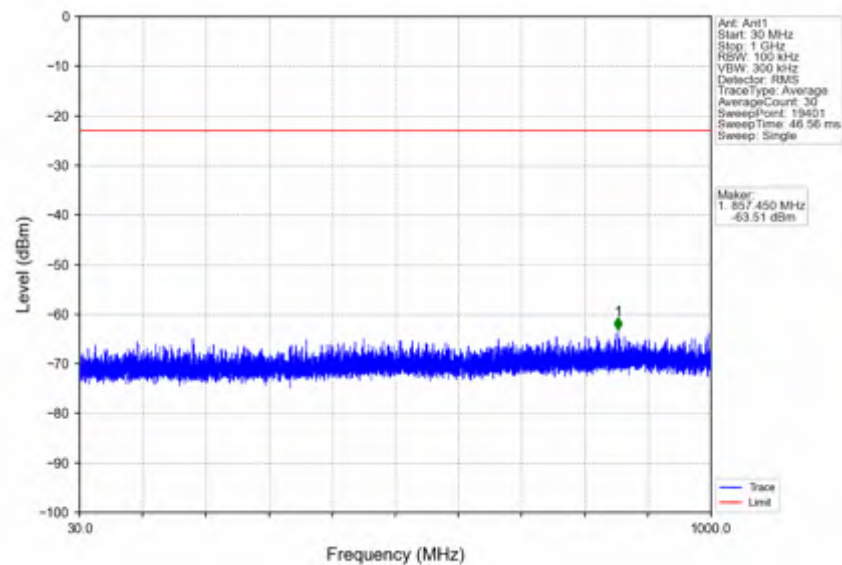


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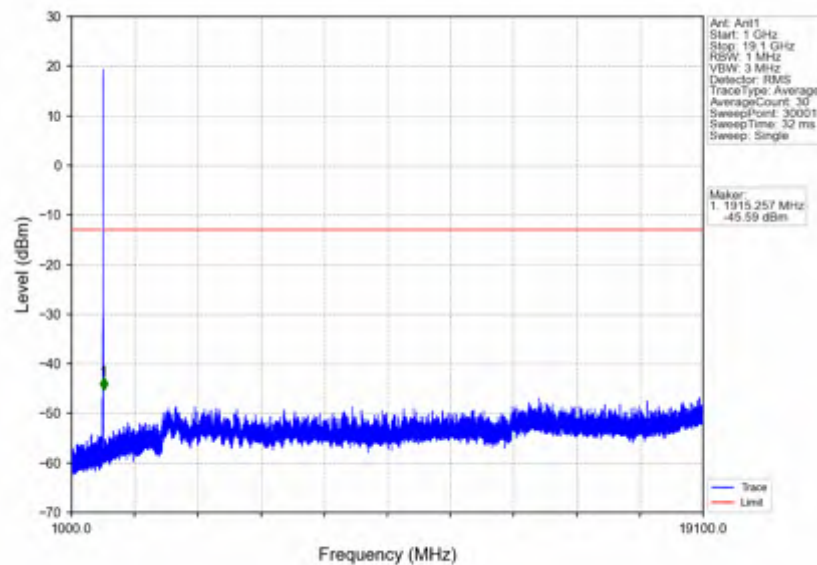
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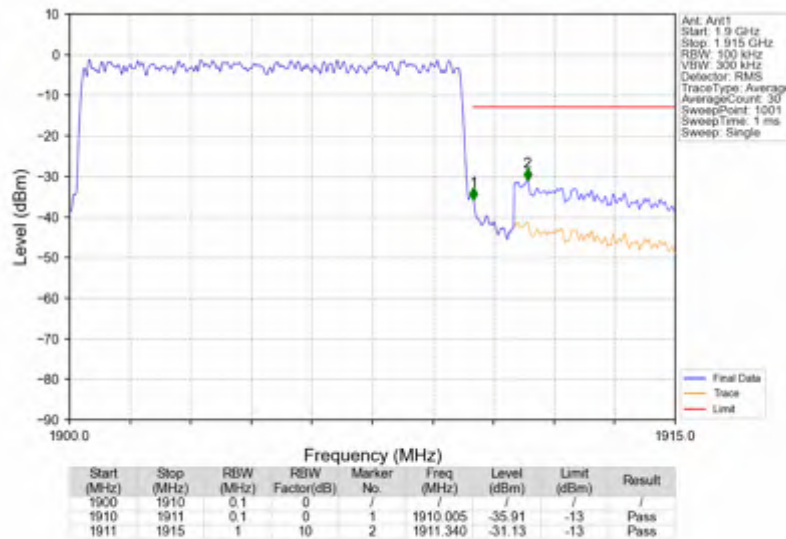
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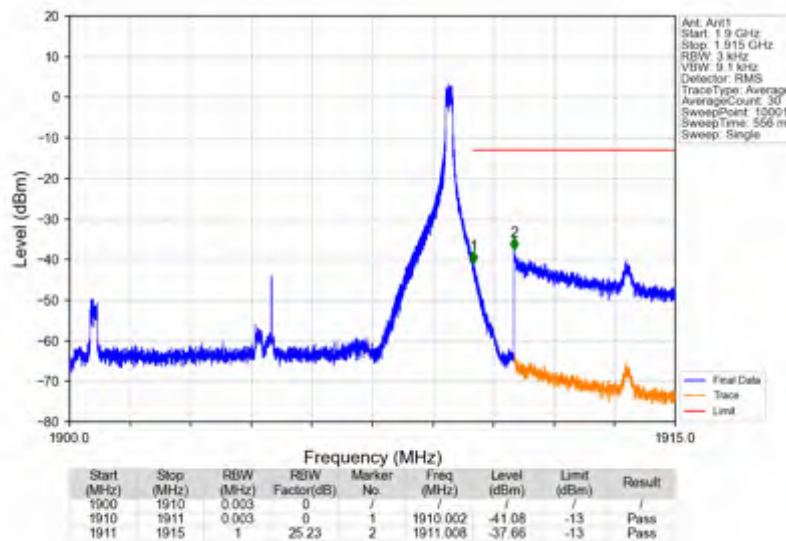
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n2_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1905MHz_Outer_Full



n2_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1905MHz_Inner_1RB_Right



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1.3 15k_SISO_15MHz_NTNV

1.3.1 Test Result

5G NR n2 SCS=15kHz SISO 15MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	
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
	1880	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
		Outer Full	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
	1880	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
		Outer Full	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
	1880	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
		Outer Full	Refer To Test Graph			Pass



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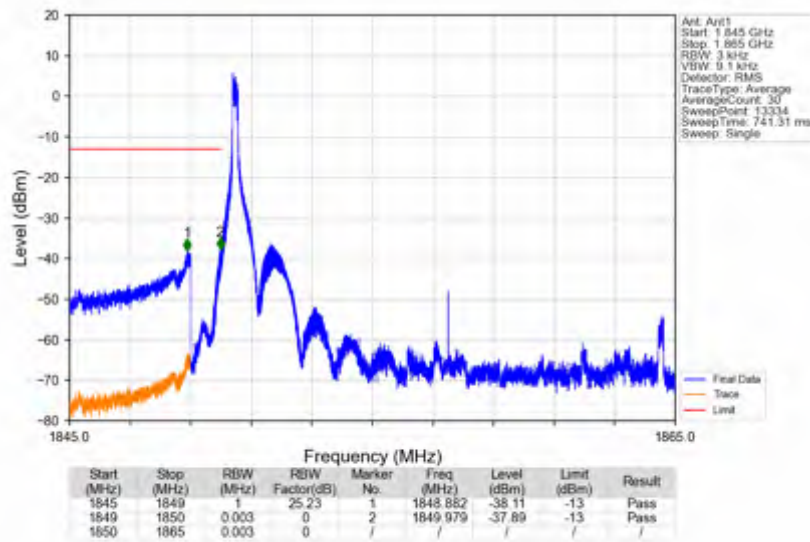
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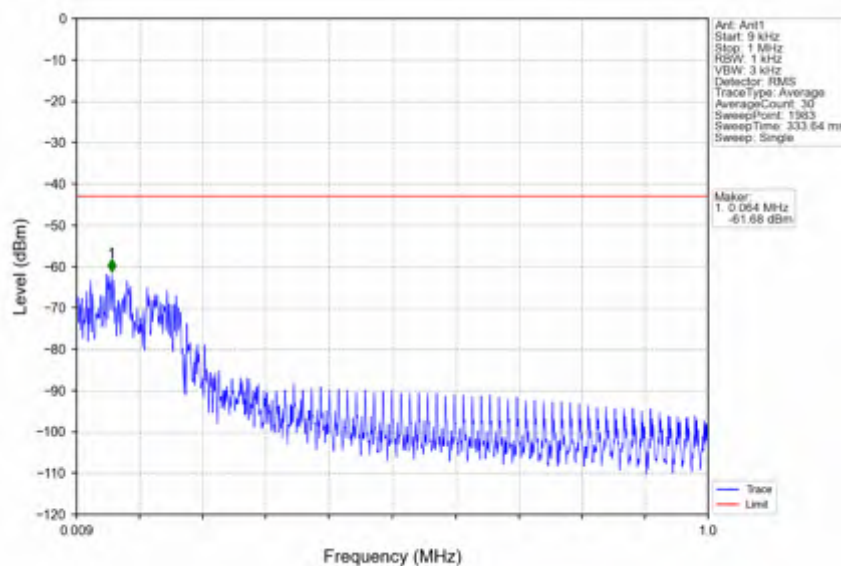
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1.3.2 Test Graph

n2_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_1857.5MHz_Edge_1RB_Left



n2_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_1857.5MHz_Edge_1RB_Left

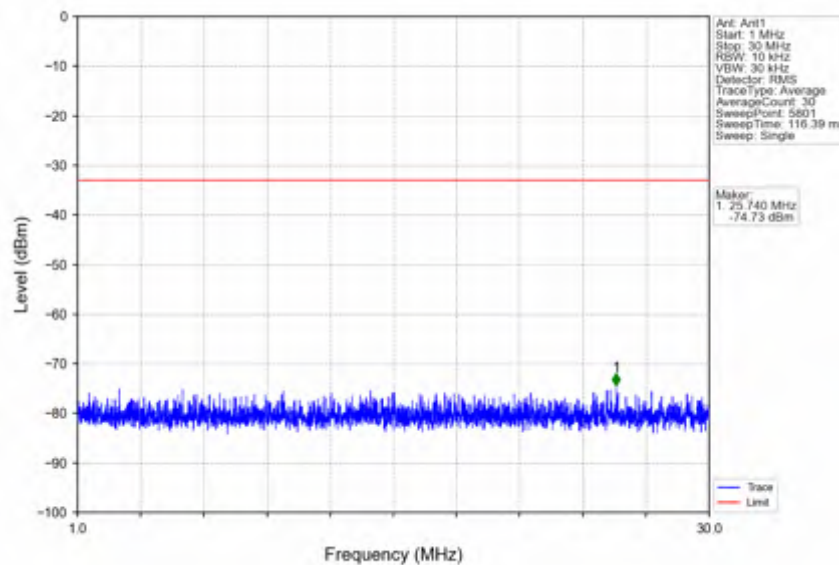


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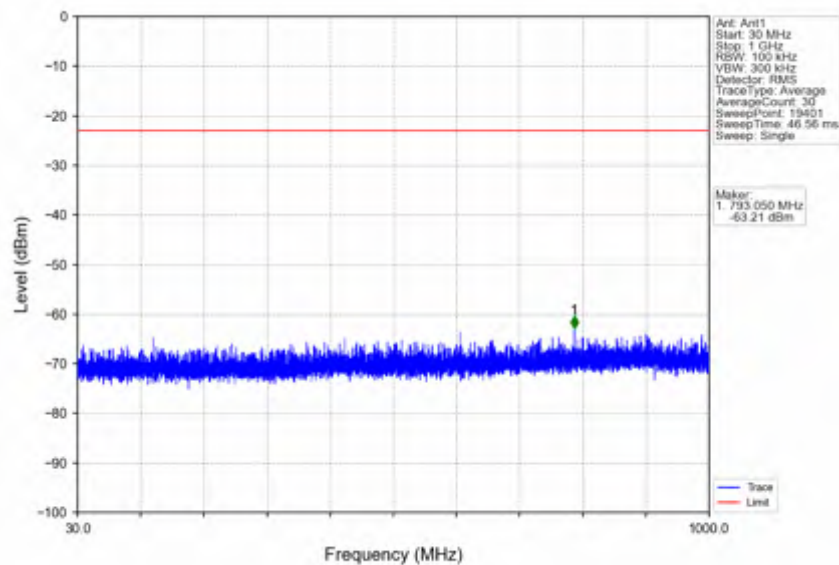
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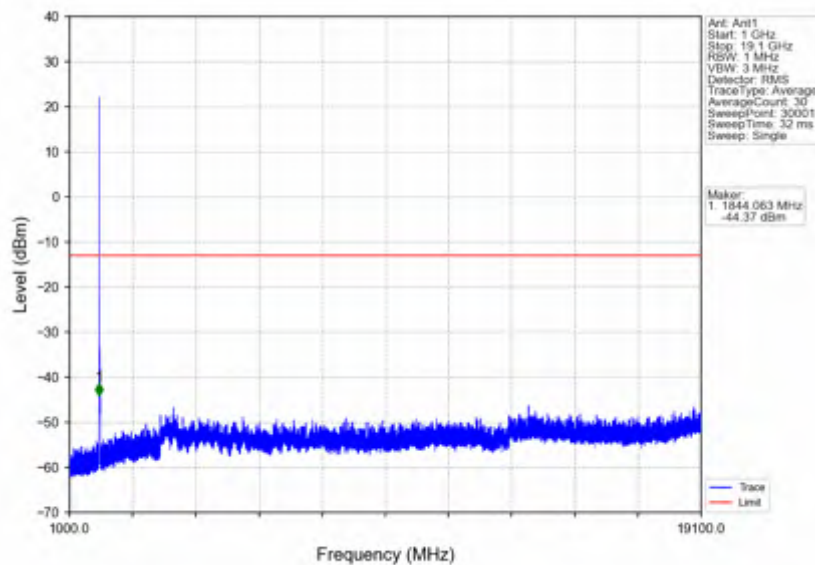
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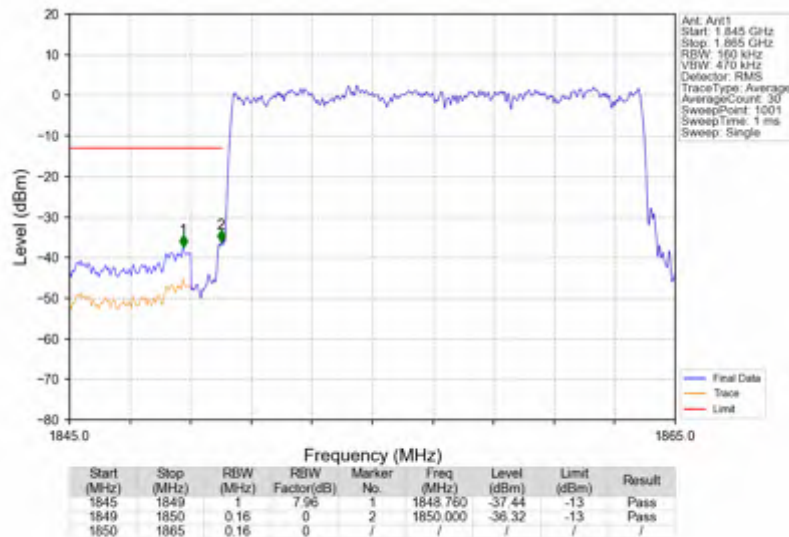
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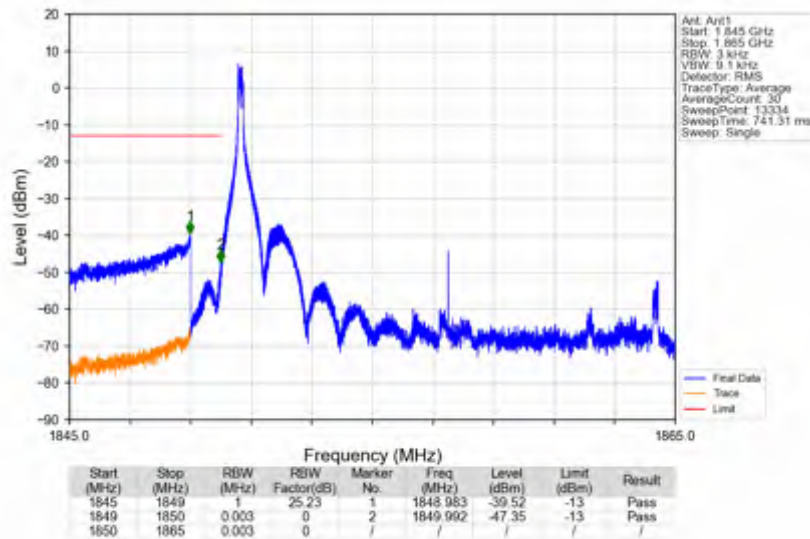
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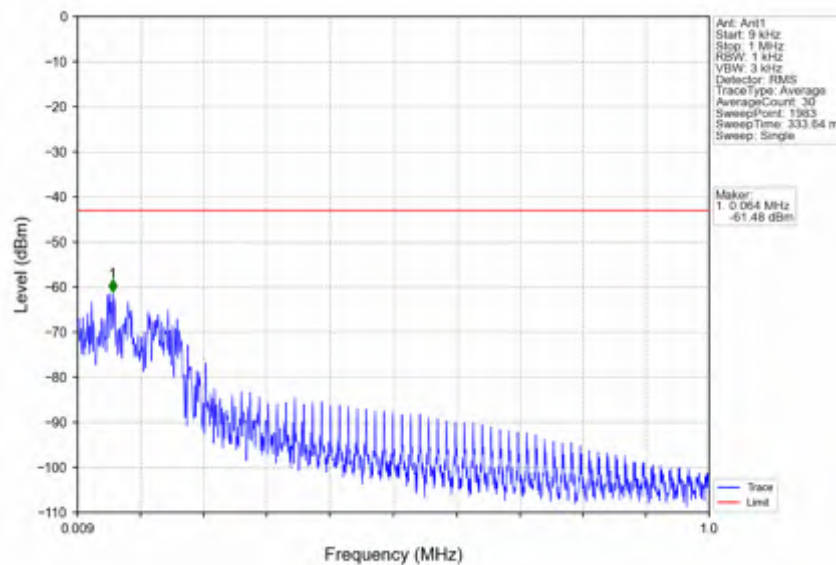
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n2_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1857.5MHz_Inner_1RB_Left



n2_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1880MHz_Edge_1RB_Left

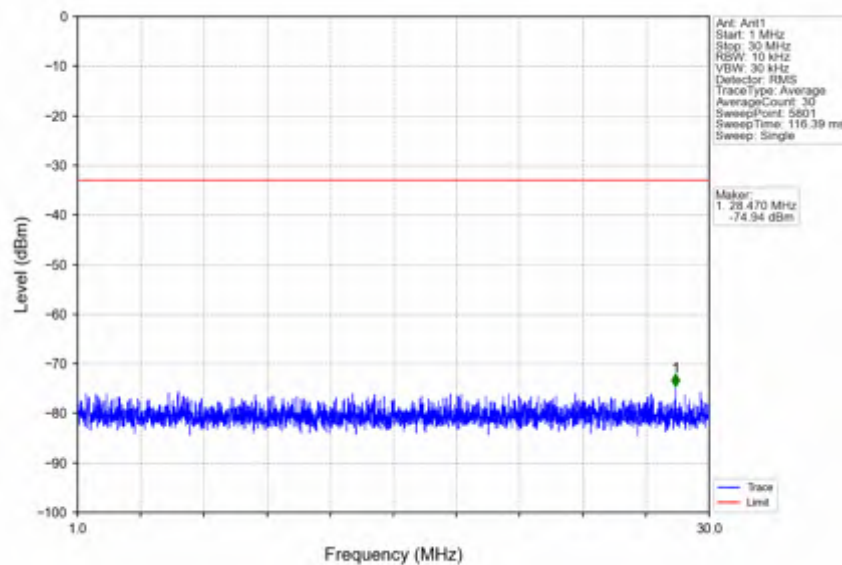


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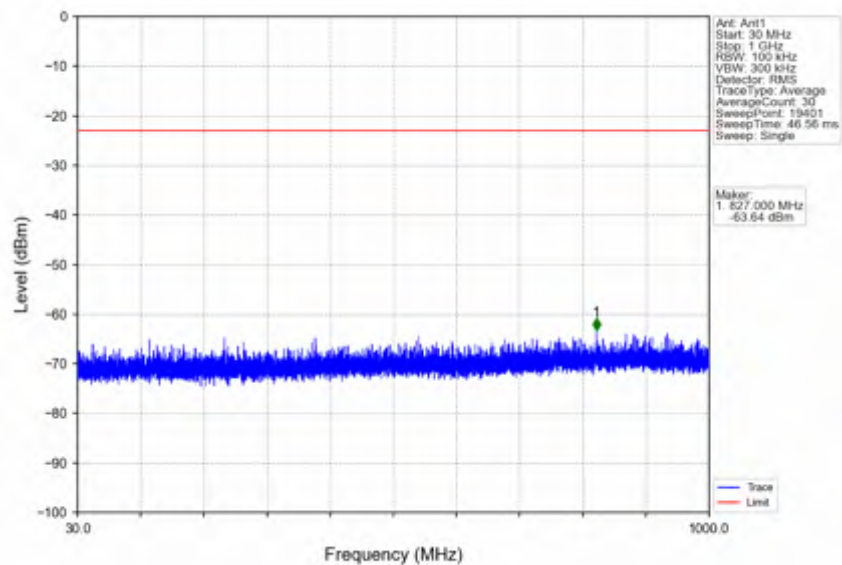
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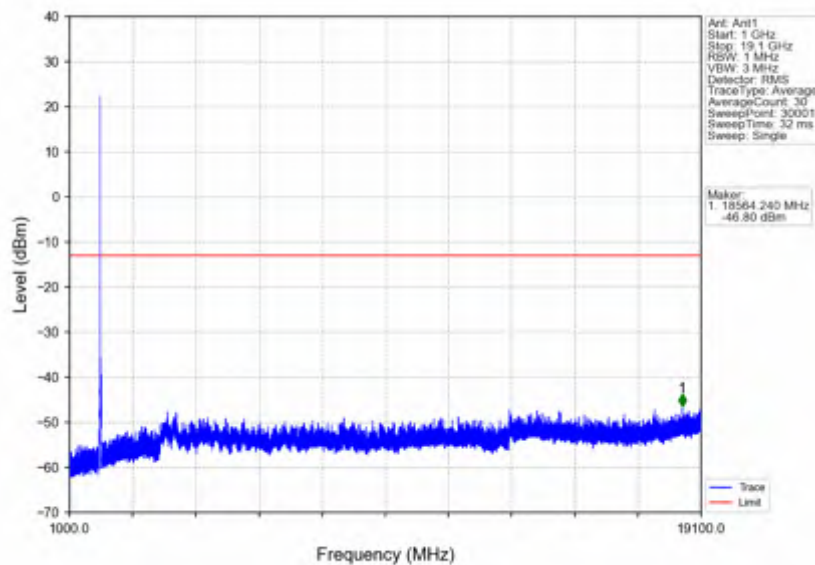
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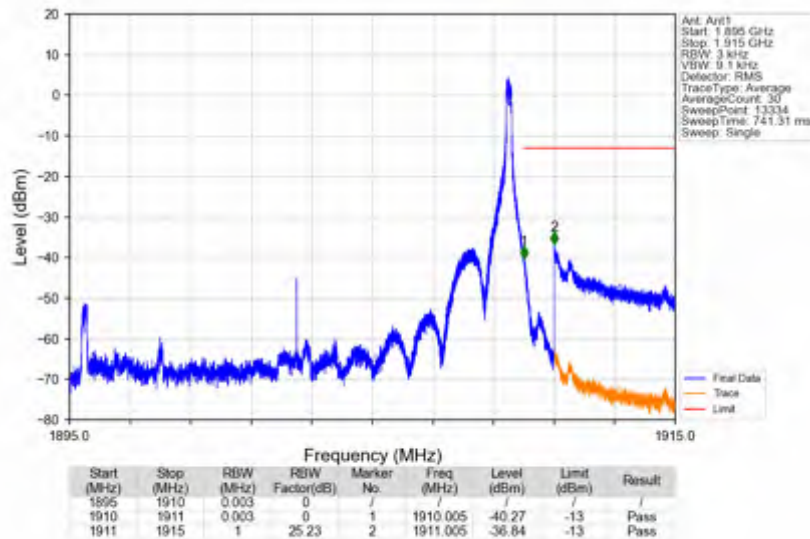
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n2_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1880MHz_Edge_1RB_Left



n2_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1902.5MHz_Edge_1RB_Right



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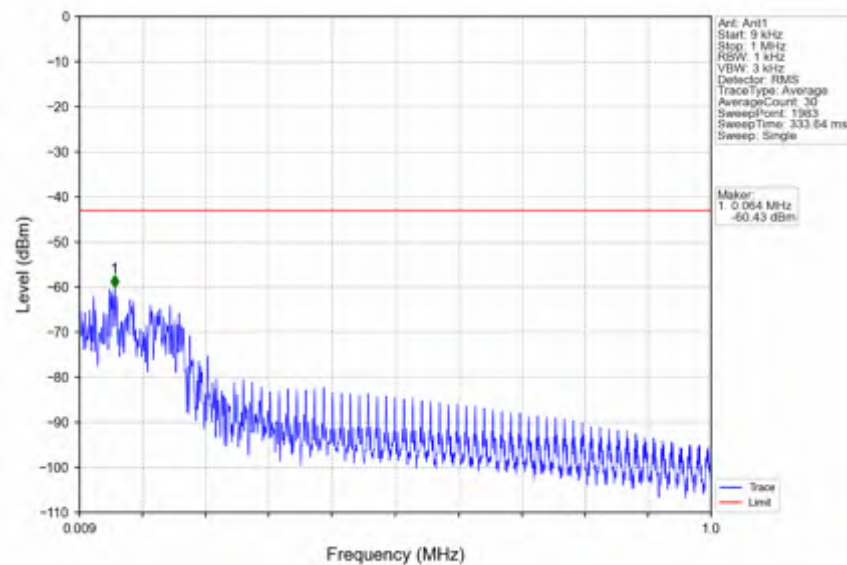
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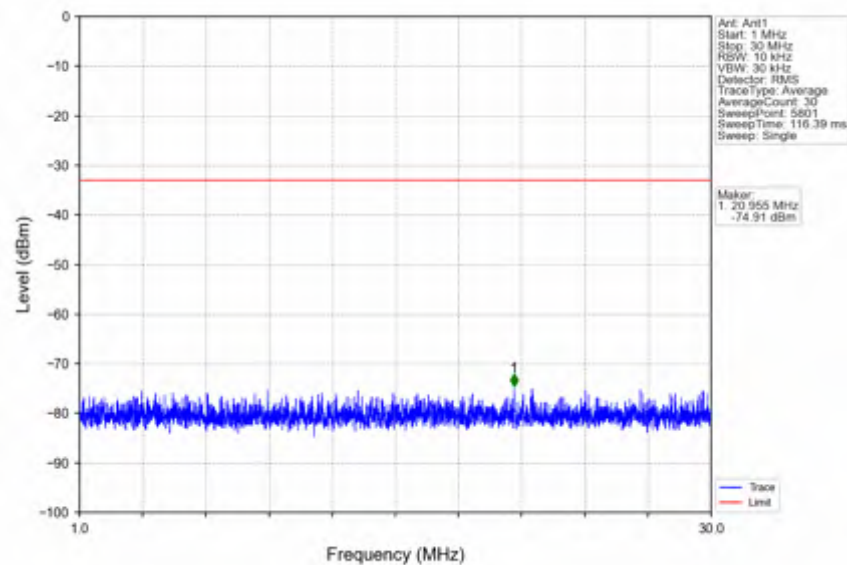
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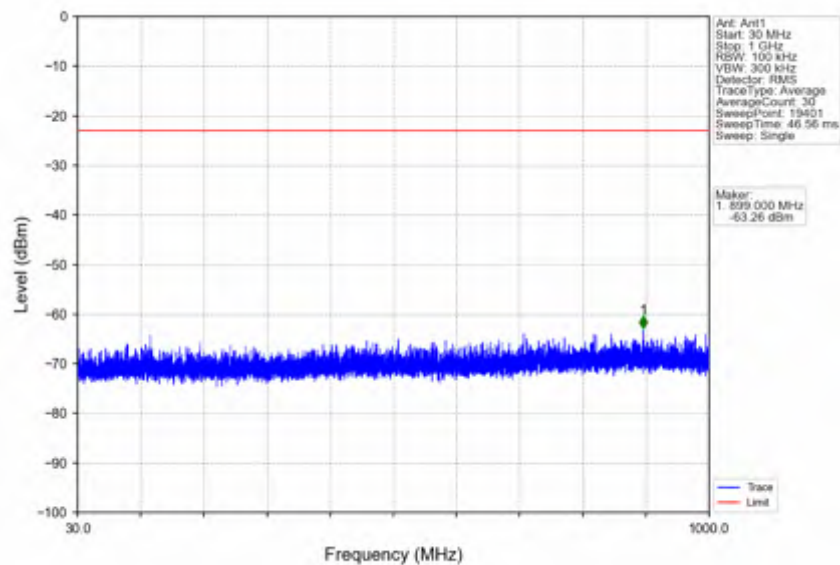
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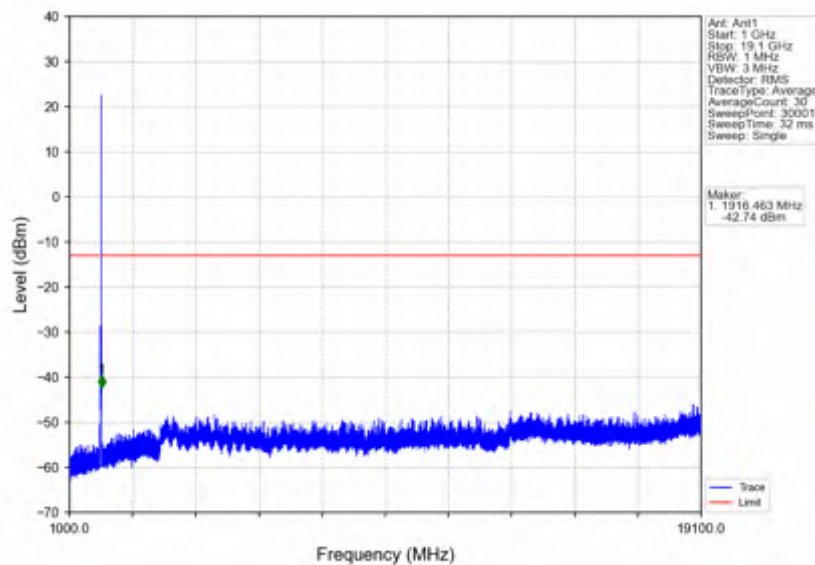
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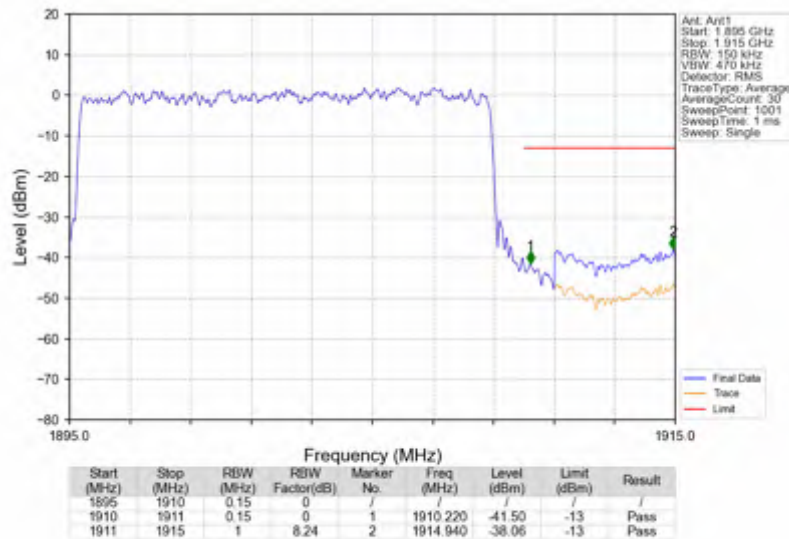
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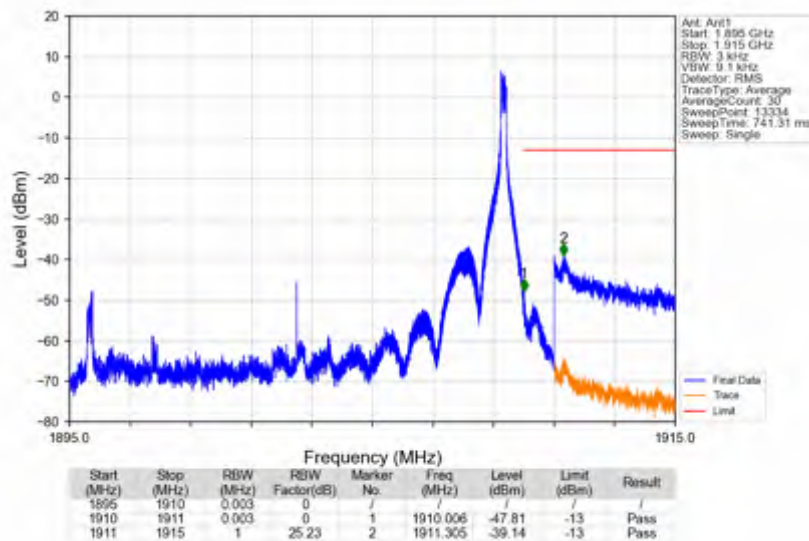
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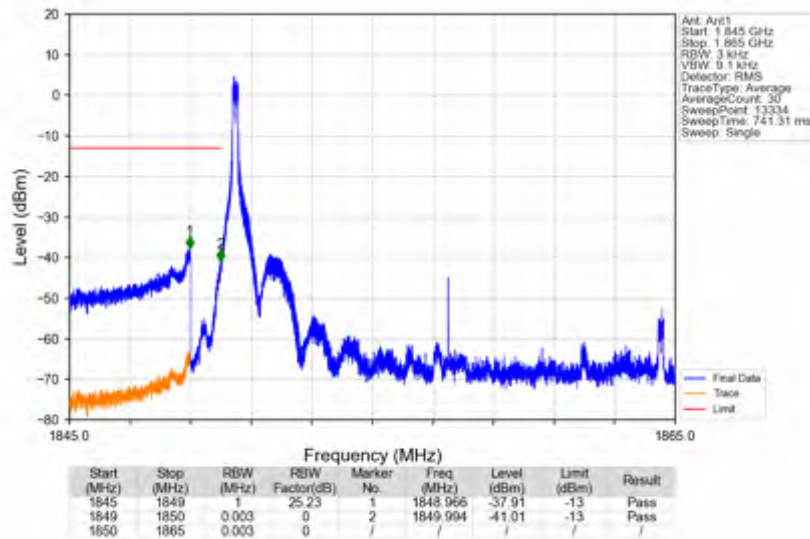
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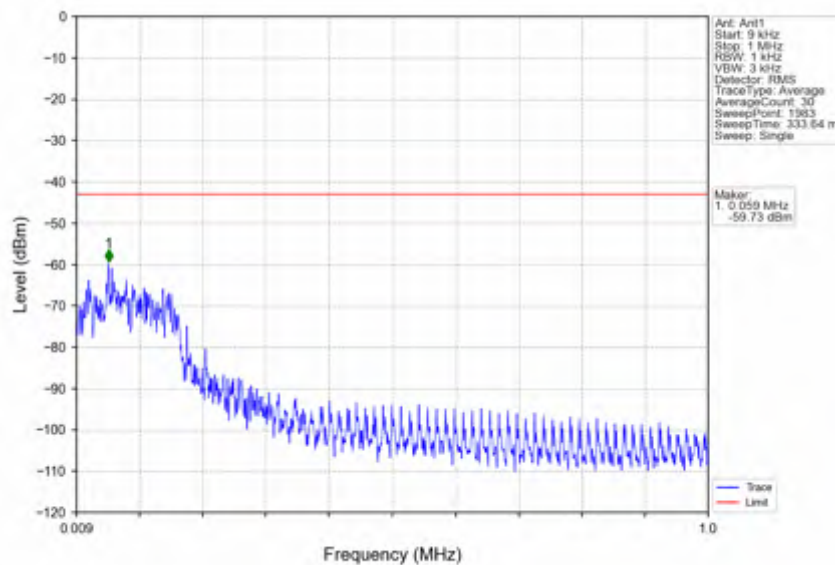
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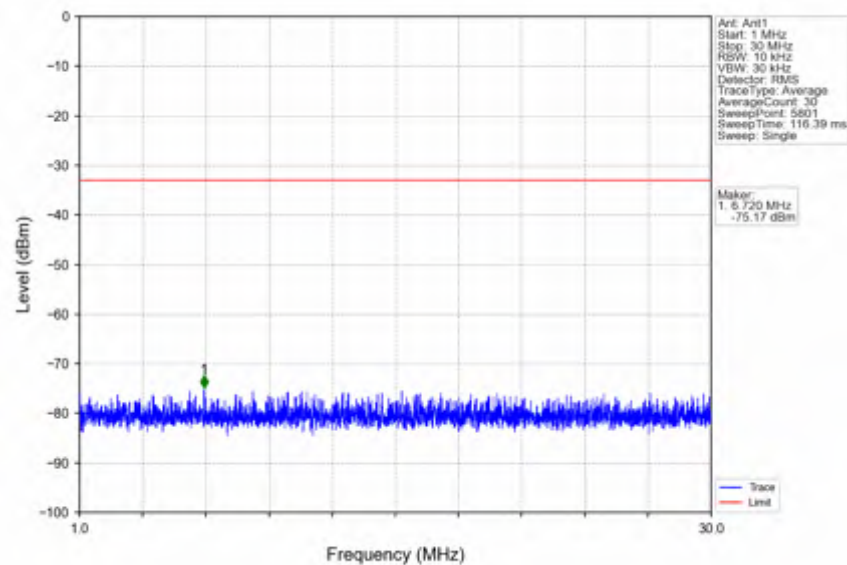


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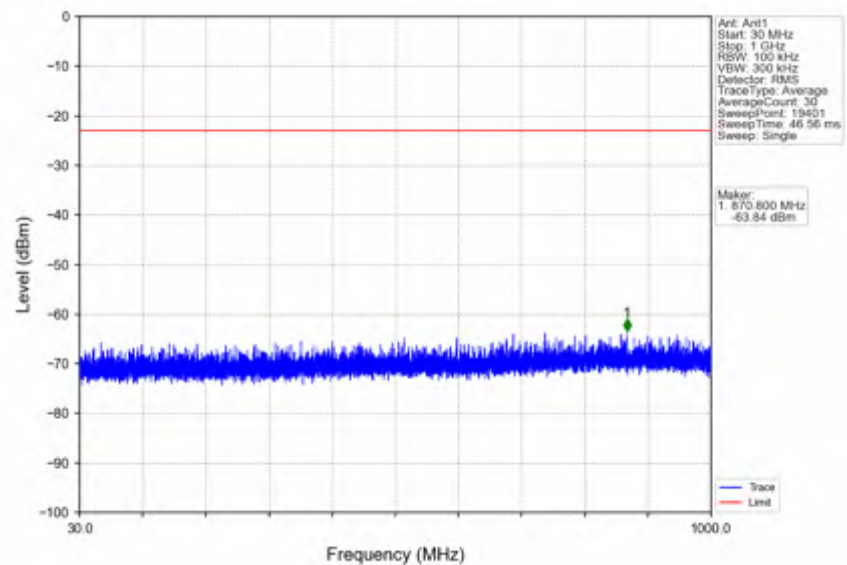
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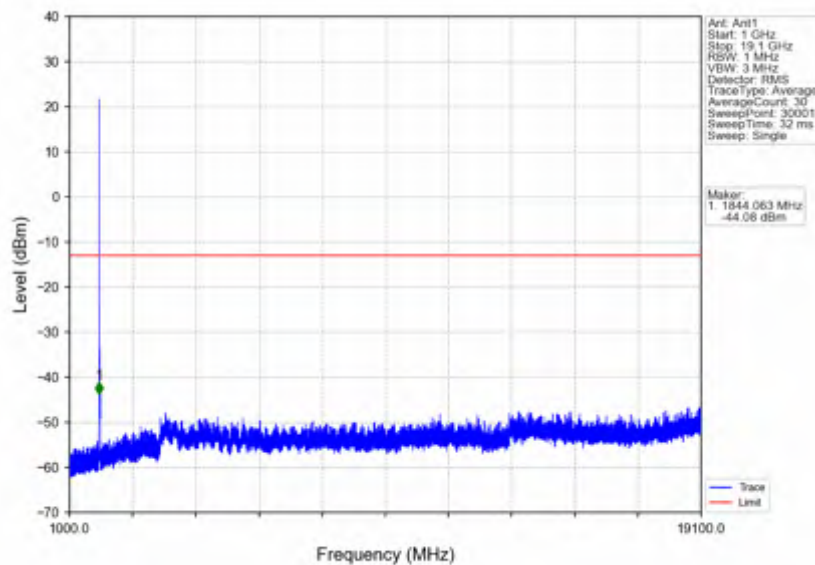
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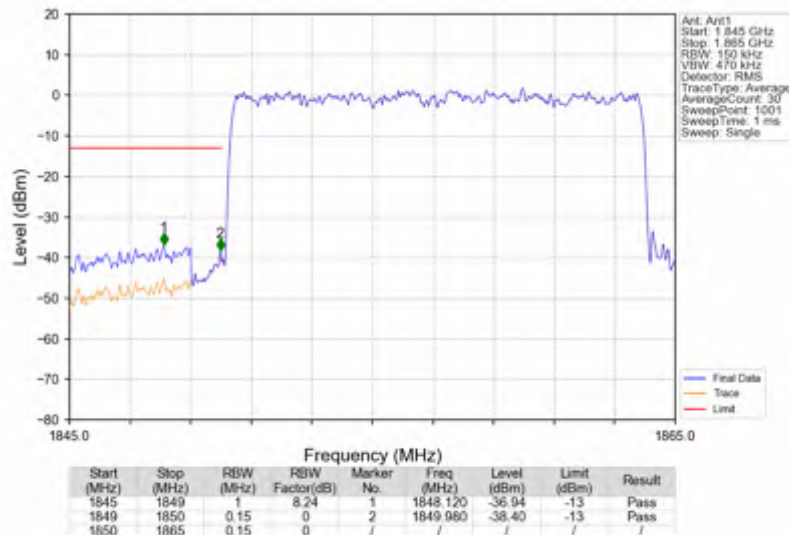
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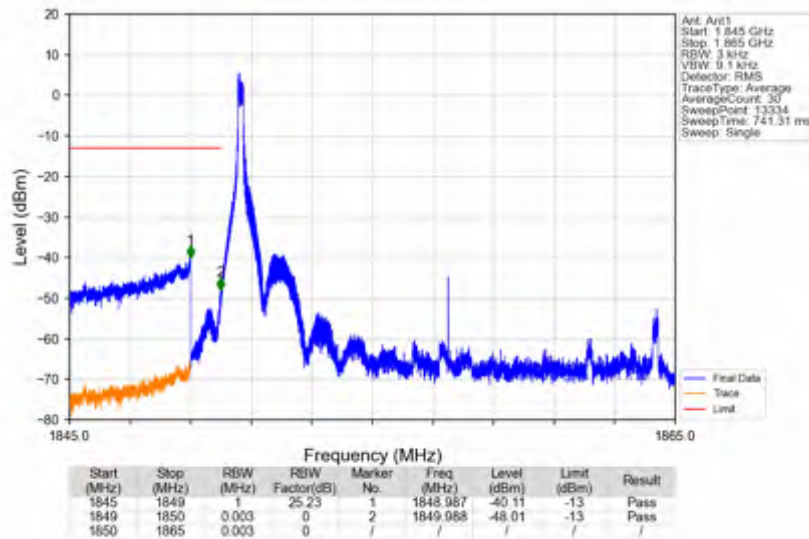
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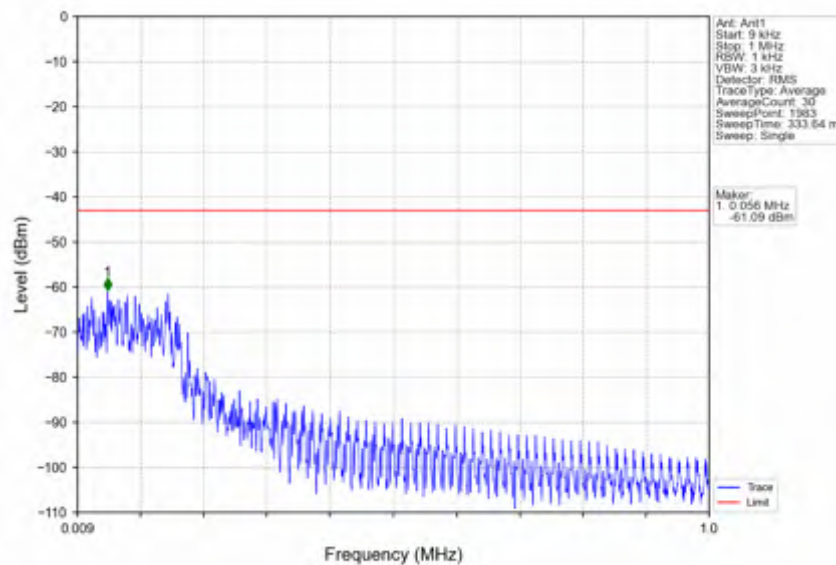
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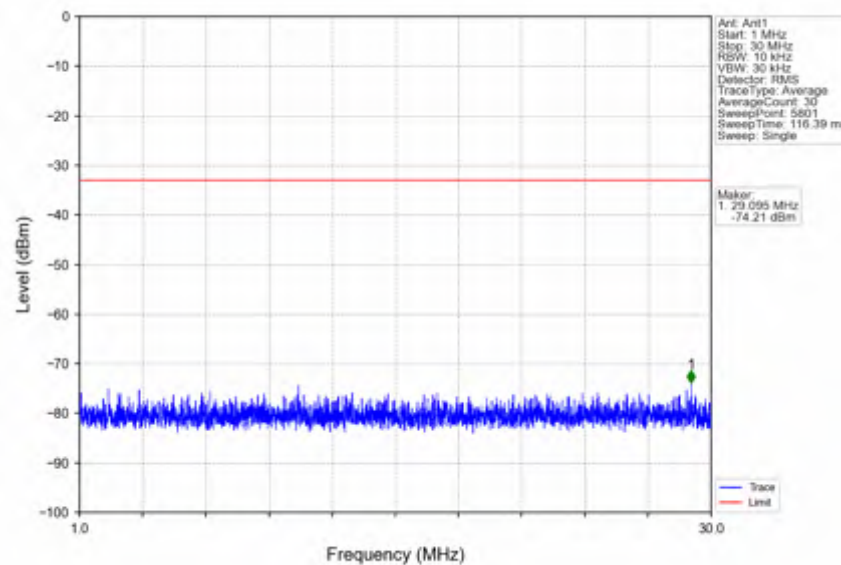


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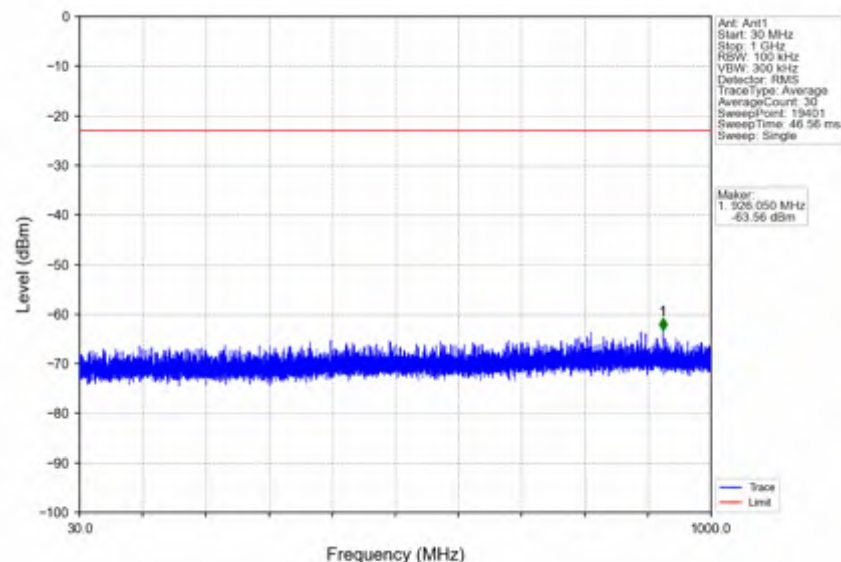
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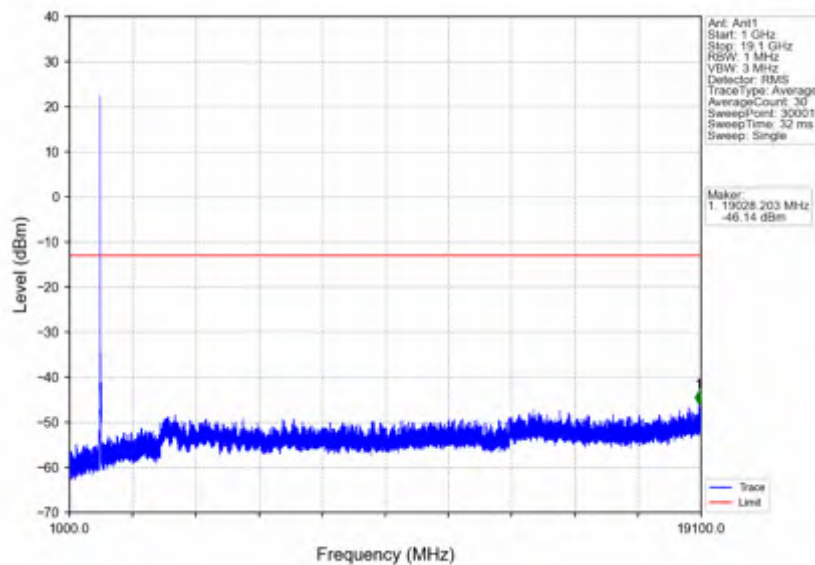
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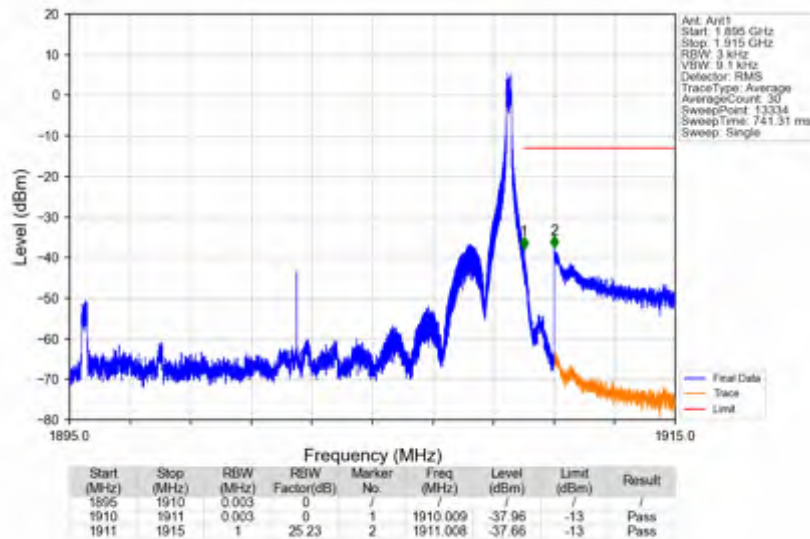
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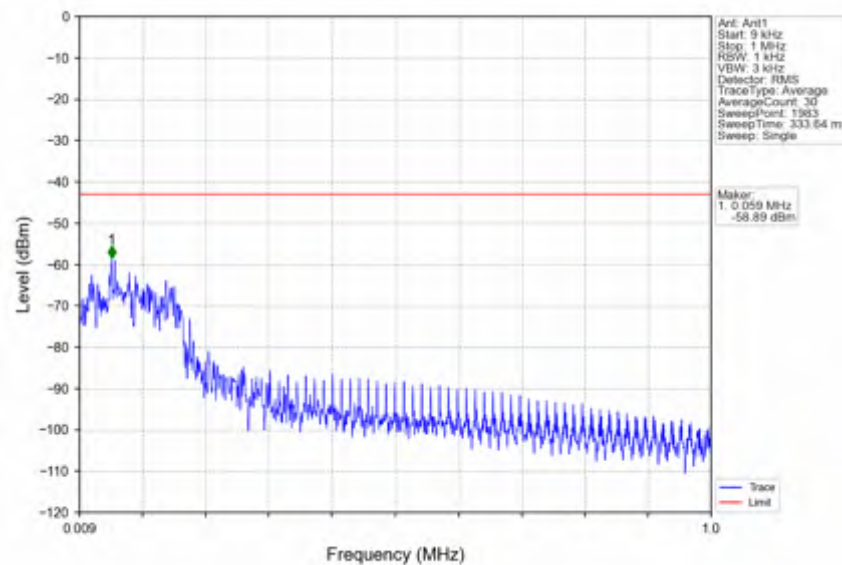
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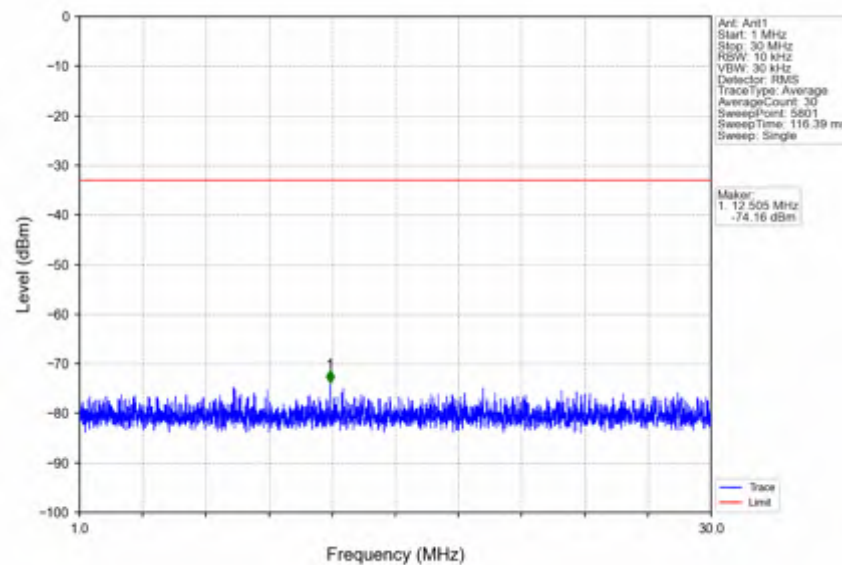
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n2_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1902.5MHz_Edge_1RB_Right



n2_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1902.5MHz_Edge_1RB_Right



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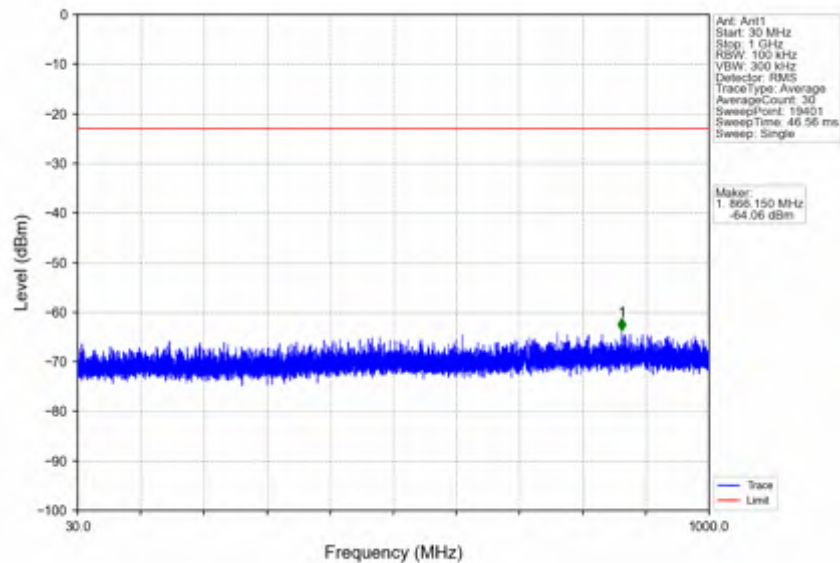
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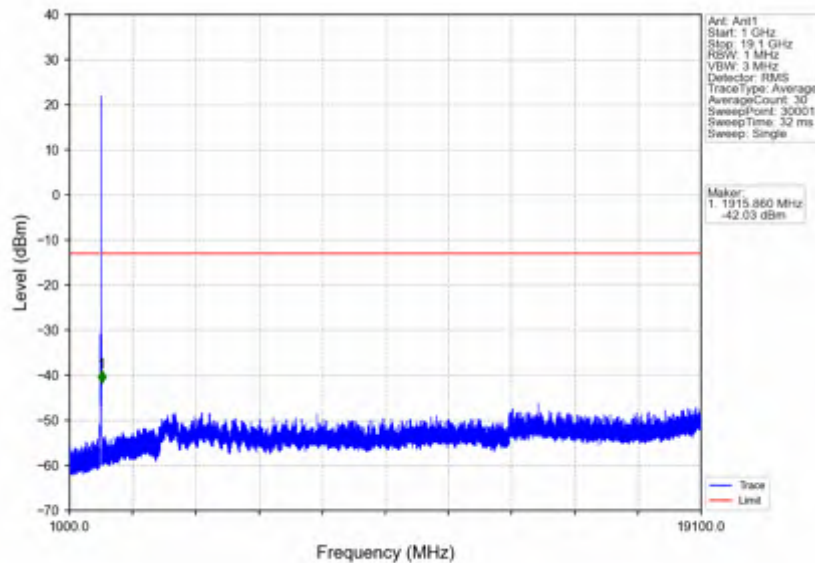
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n2_15kHz_SISO_NTV_15MHz_DFT-s-OFDM QPSK_1902.5MHz_Edge_1RB_Right



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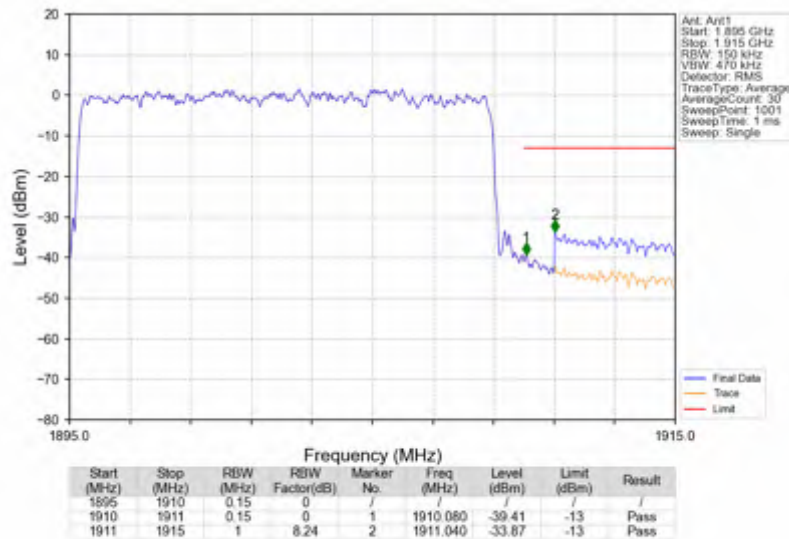
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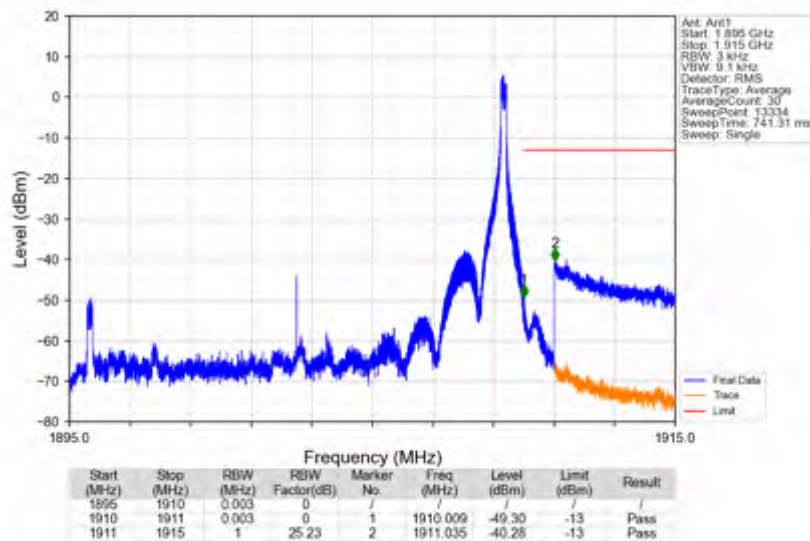
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n2_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1902.5MHz_Outer_Full



n2_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1902.5MHz_Inner_1RB_Right



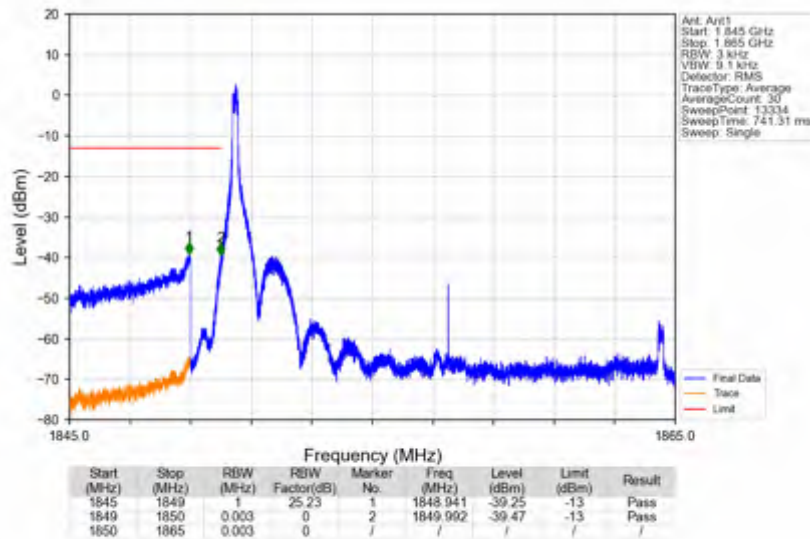
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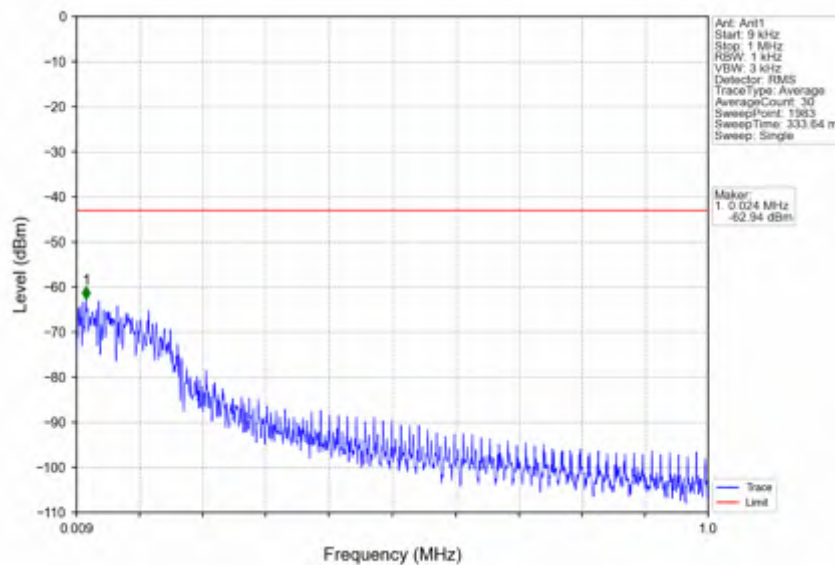
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n2 15kHz SISO NTNv 15MHz CP-OFDM QPSK 1857.5MHz Edge 1RB Left



n2_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_1857.5MHz_Edge_1RB_Left

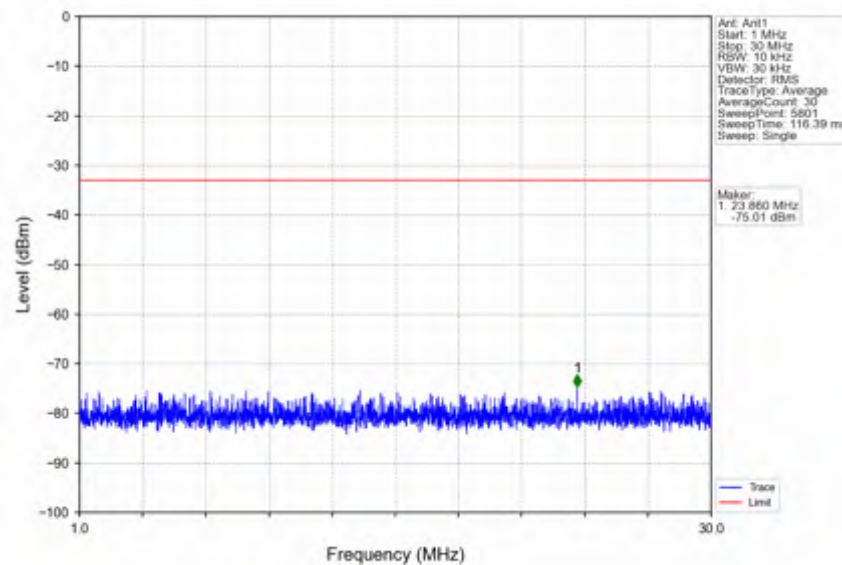


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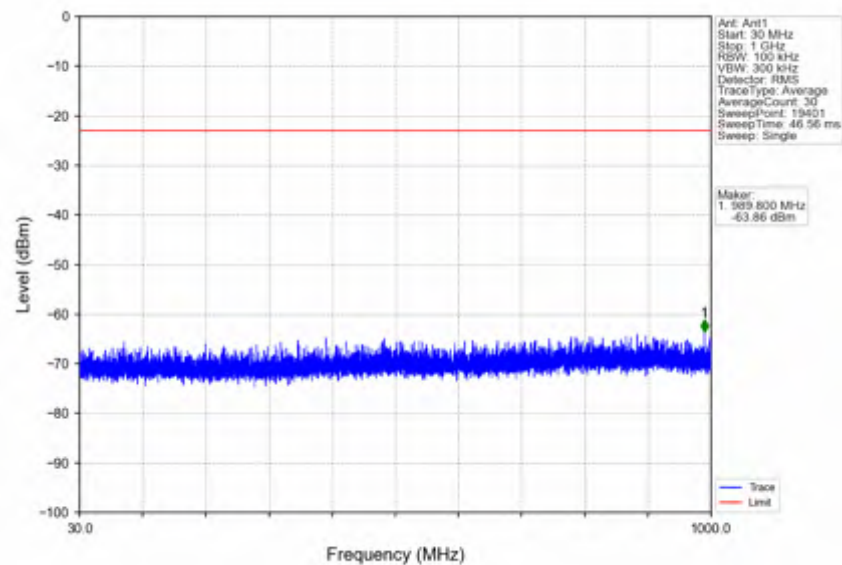
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n2_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_1857.5MHz_Edge_1RB_Left



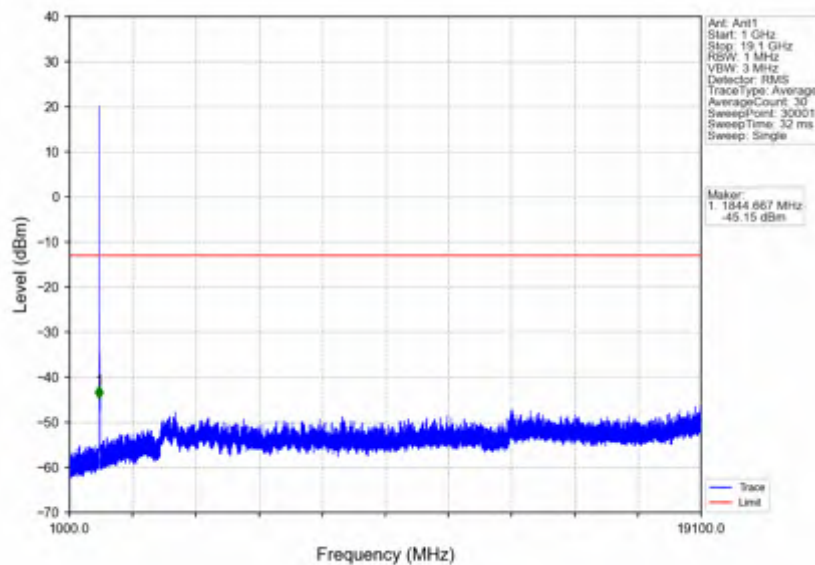
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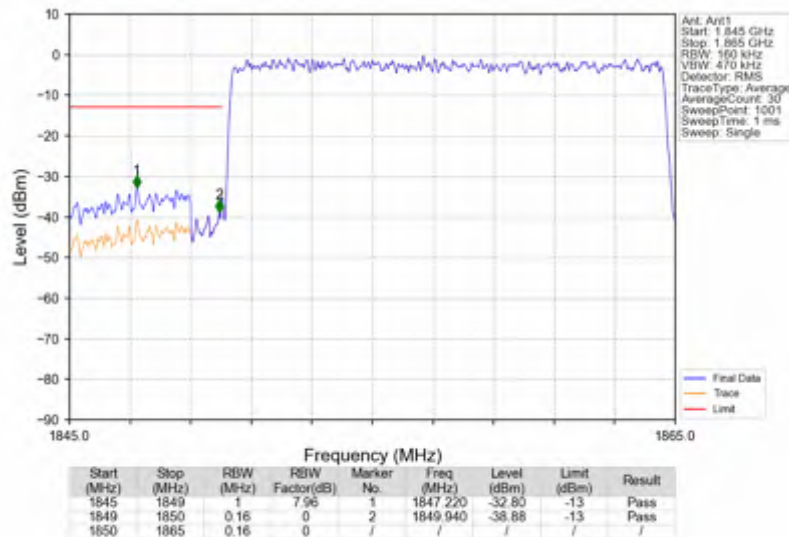
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n2_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_1857.5MHz_Outer_Full



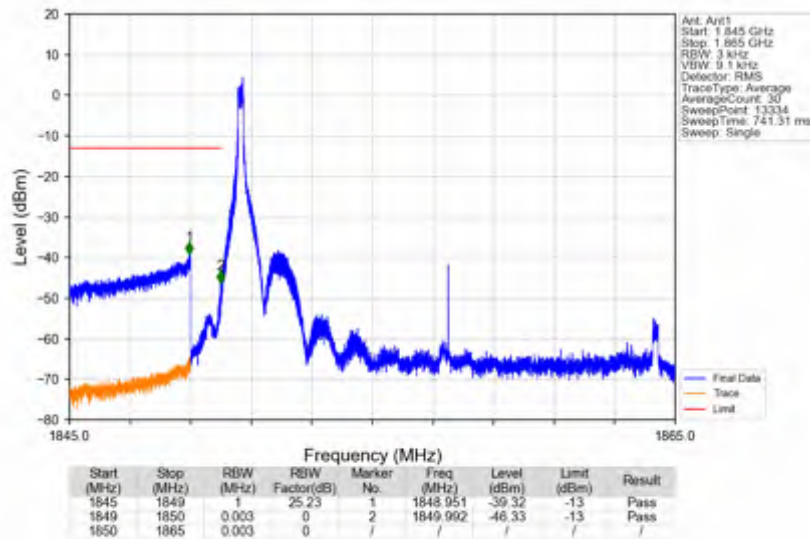
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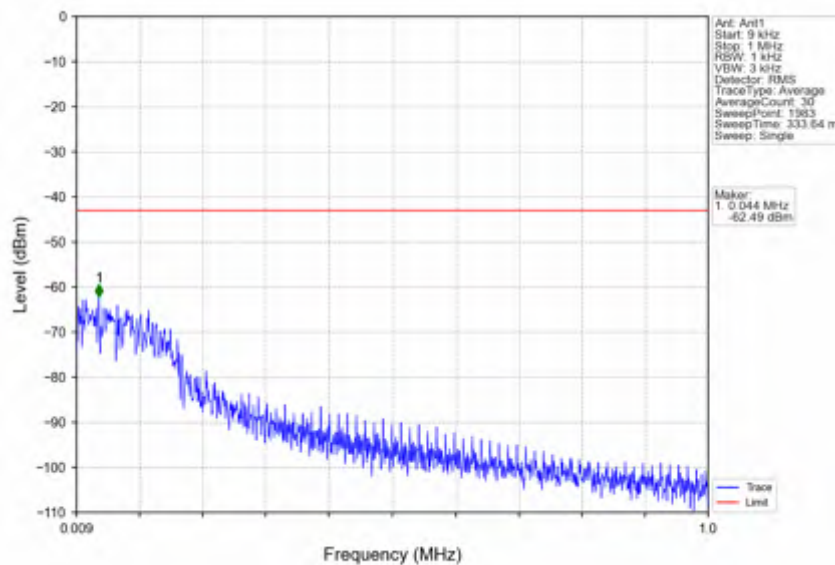
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n2_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_1857.5MHz_Inner_1RB_Left



n2_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_1880MHz_Edge_1RB_Left

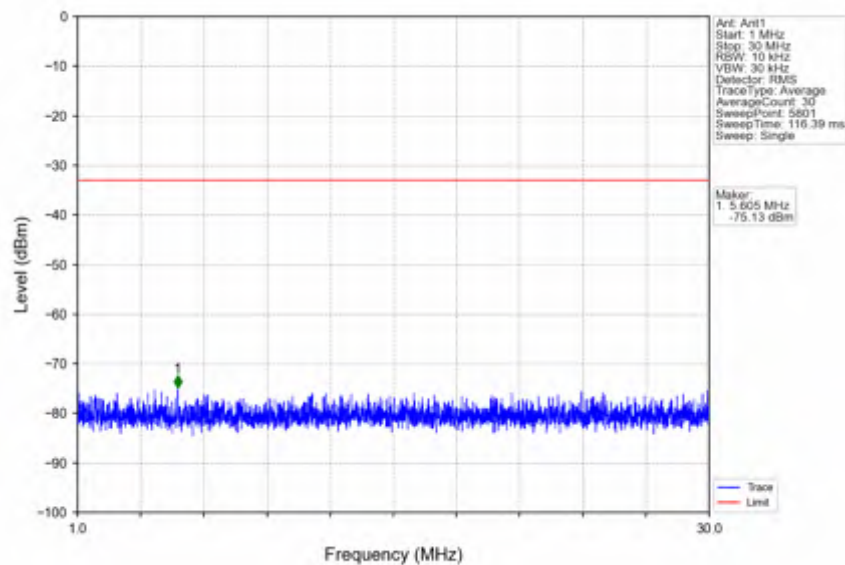


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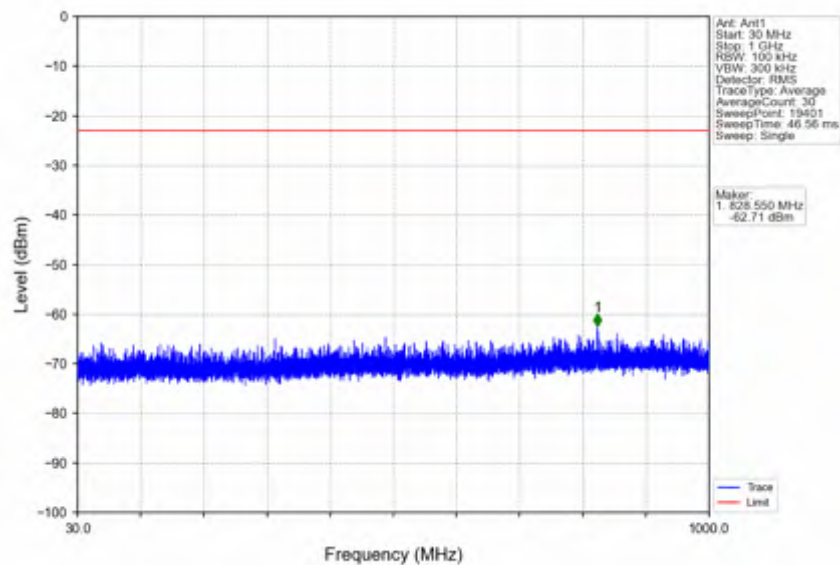
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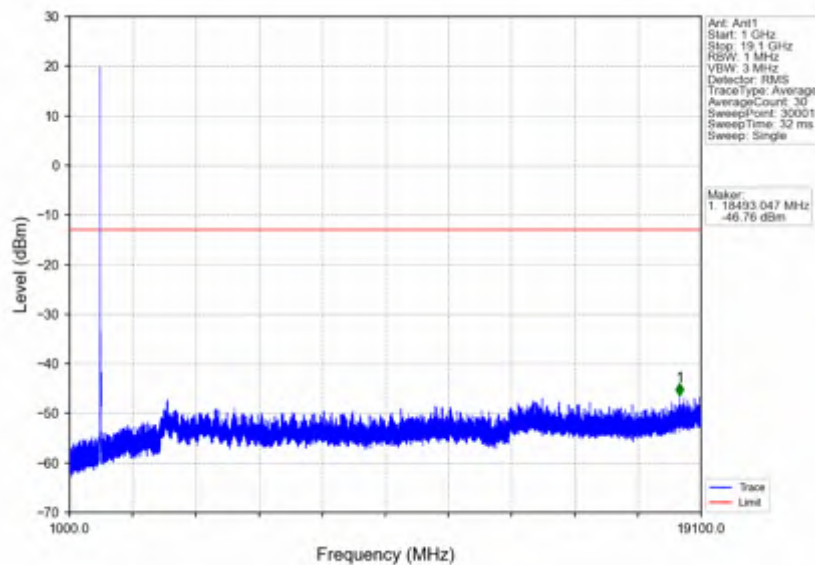
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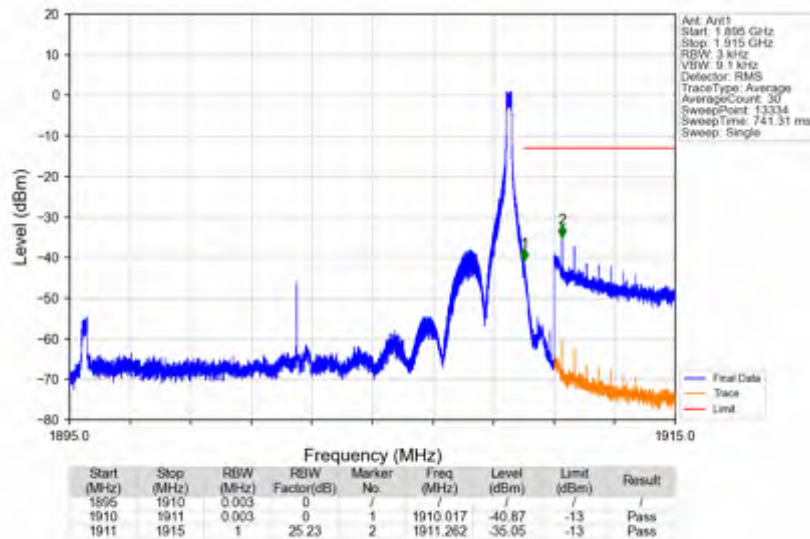
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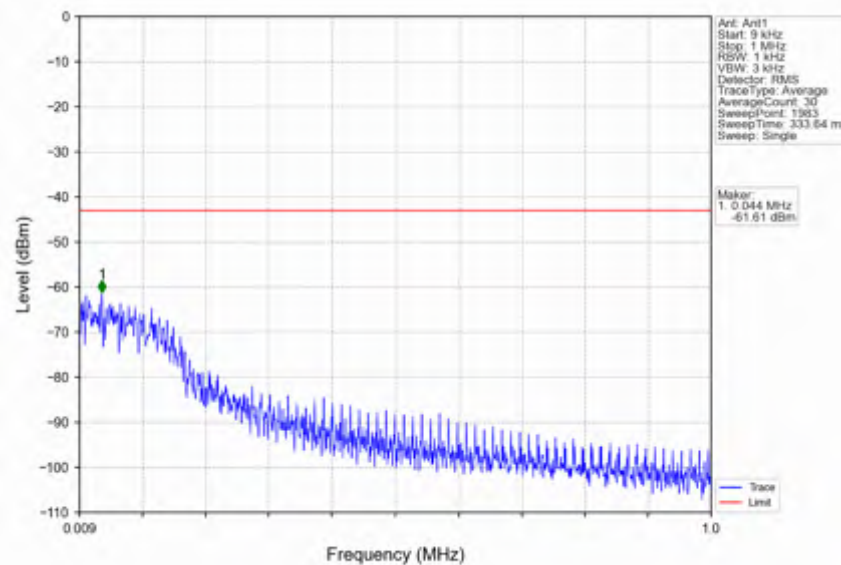
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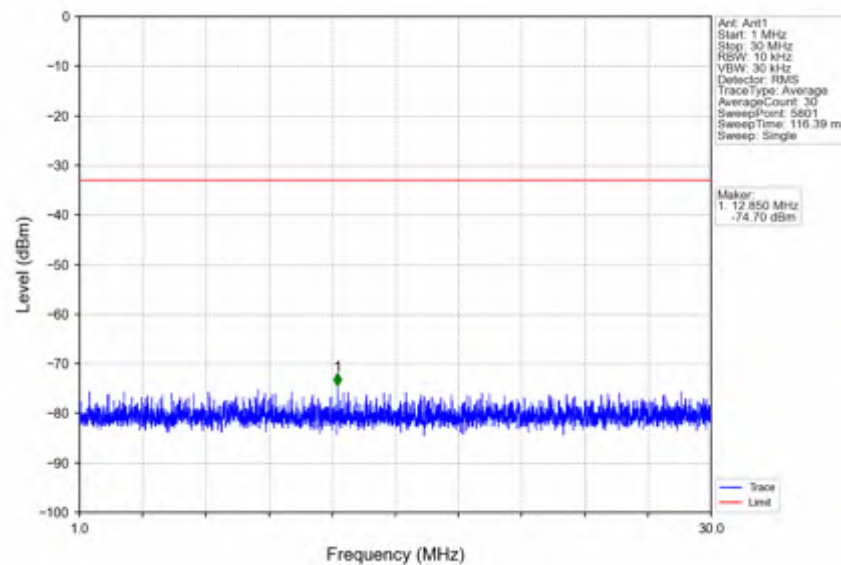
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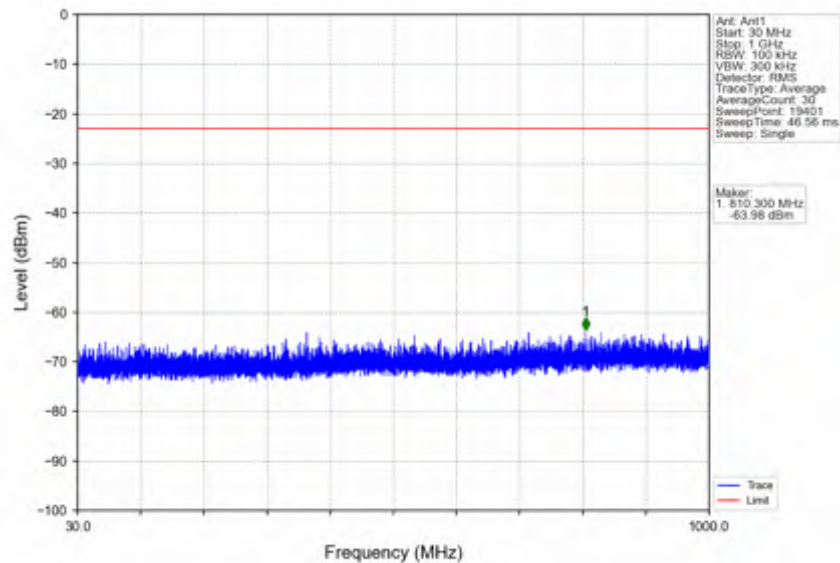
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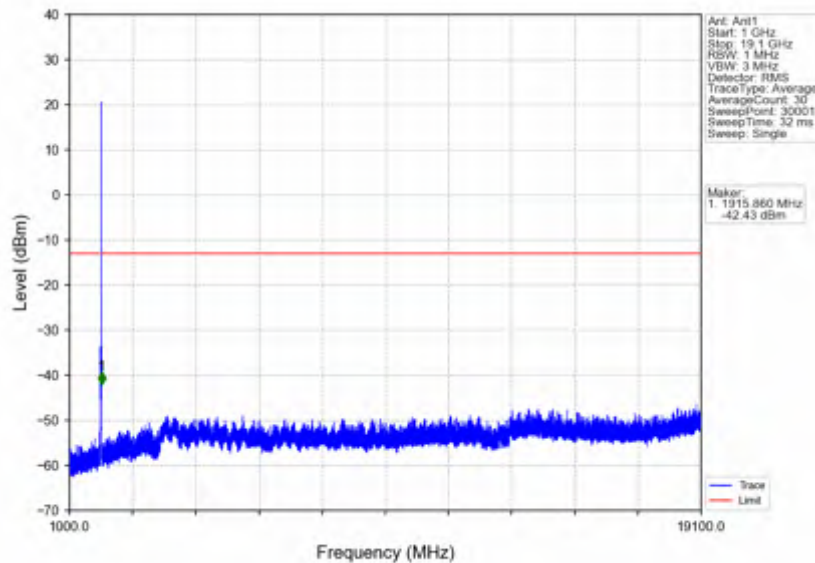
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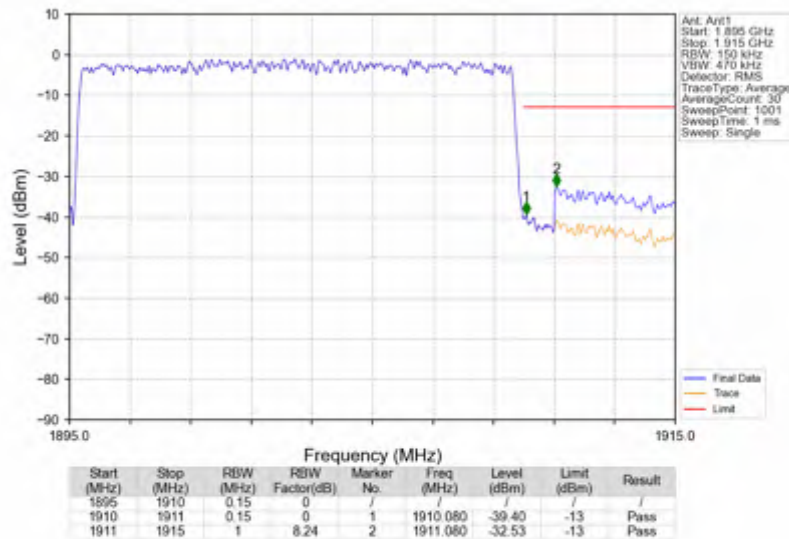
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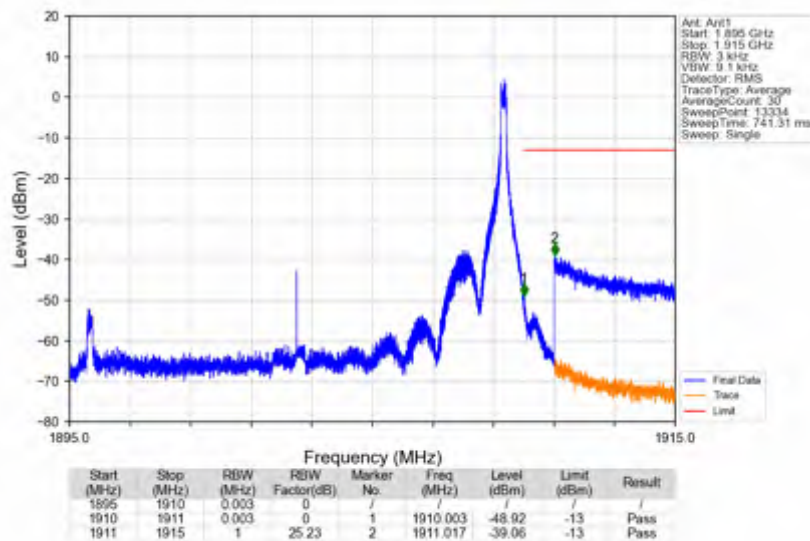
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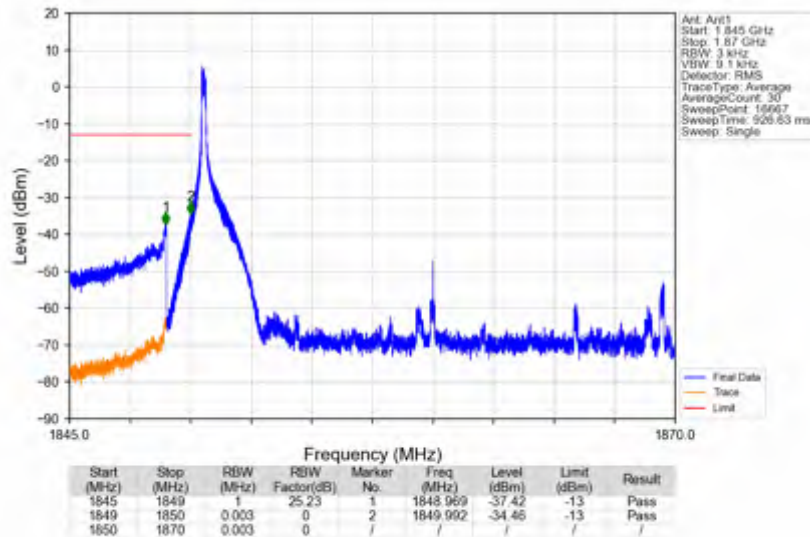
1.4 15k_SISO_20MHz_NTNV

1.4.1 Test Result

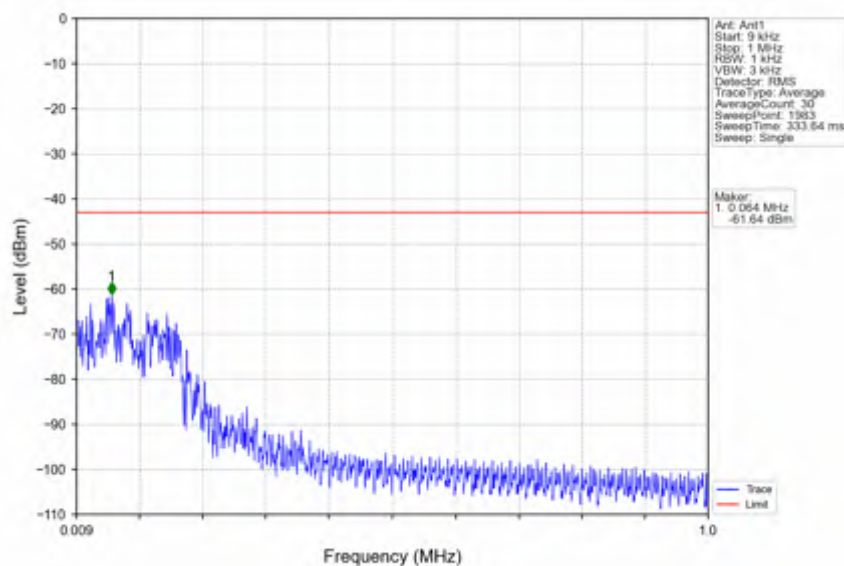
5G NR n2 SCS=15kHz SISO 20MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	
DFT-s-OFDM PI/2 BPSK	1860	Edge 1RB Left	Refer To Test Graph			Pass
		Outer Full	Refer To Test Graph			Pass
		Inner 1RB Left	Refer To Test Graph			Pass
	1880	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
		Outer Full	Refer To Test Graph			Pass
DFT-s-OFDM QPSK	1860	Inner 1RB Right	Refer To Test Graph			Pass
	1880	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
	1900	Outer Full	Refer To Test Graph			Pass
		Inner 1RB Right	Refer To Test Graph			Pass
		Inner 1RB Left	Refer To Test Graph			Pass
CP-OFDM QPSK	1860	Edge 1RB Left	Refer To Test Graph			Pass
	1880	Outer Full	Refer To Test Graph			Pass
		Inner 1RB Left	Refer To Test Graph			Pass
	1900	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
		Outer Full	Refer To Test Graph			Pass
CP-OFDM QPSK	1860	Inner 1RB Right	Refer To Test Graph			Pass
	1880	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
	1900	Outer Full	Refer To Test Graph			Pass
		Inner 1RB Right	Refer To Test Graph			Pass
		Inner 1RB Left	Refer To Test Graph			Pass

1.4.2 Test Graph

n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_1860MHz_Edge_1RB_Left



n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_1860MHz_Edge_1RB_Left



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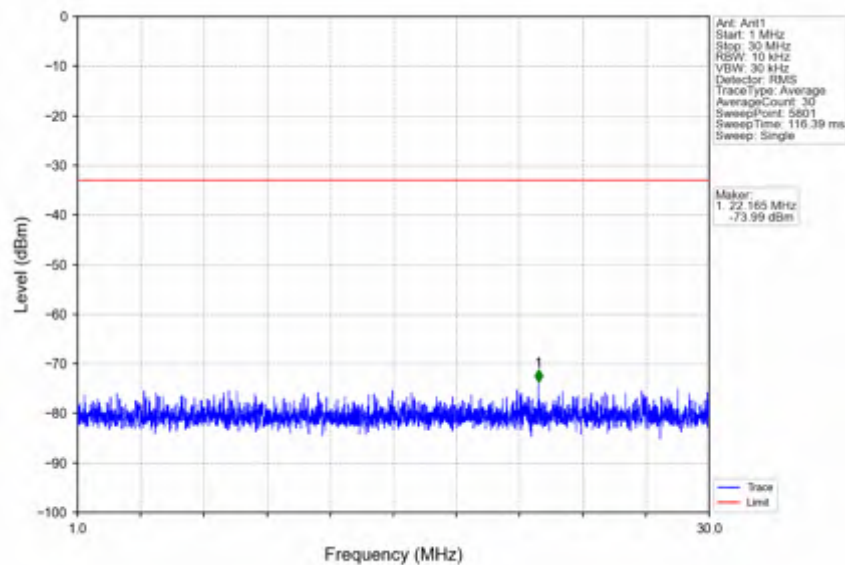
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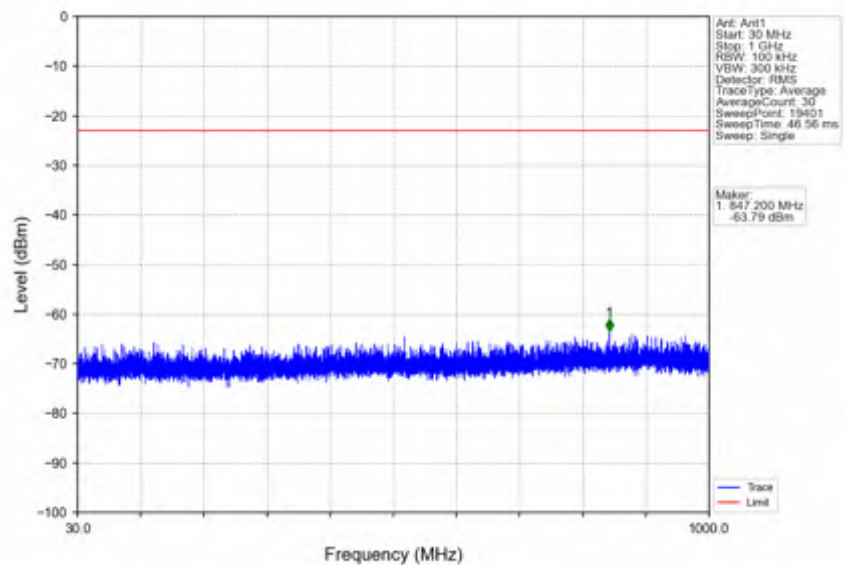
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n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_1860MHz_Edge_1RB_Left



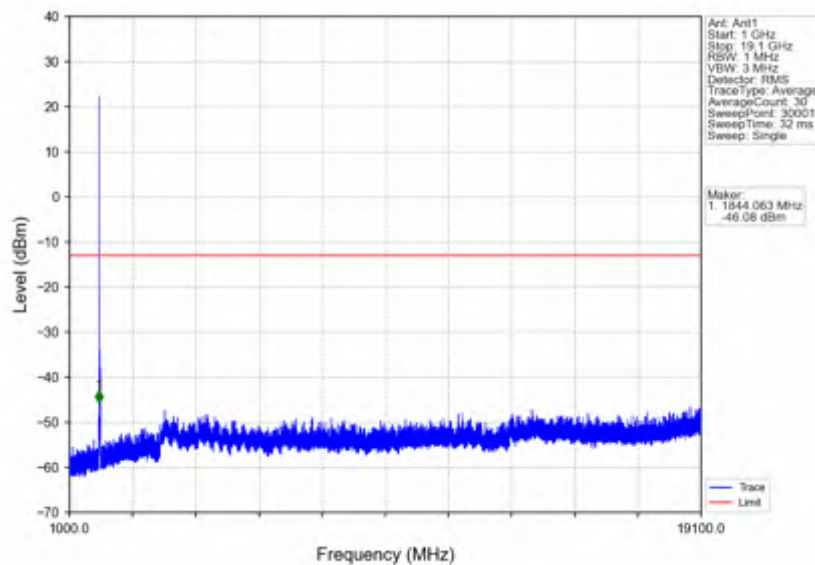
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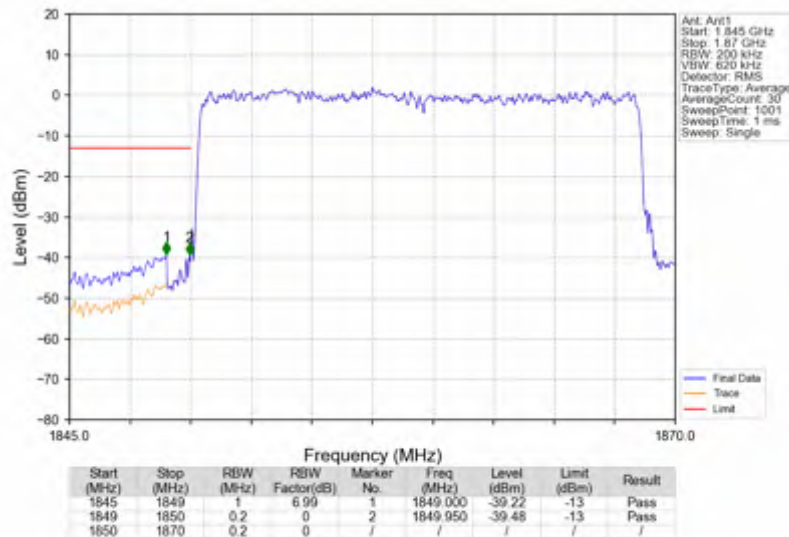
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n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_1860MHz_Edge_1RB_Left



n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_1860MHz_Outer_Full



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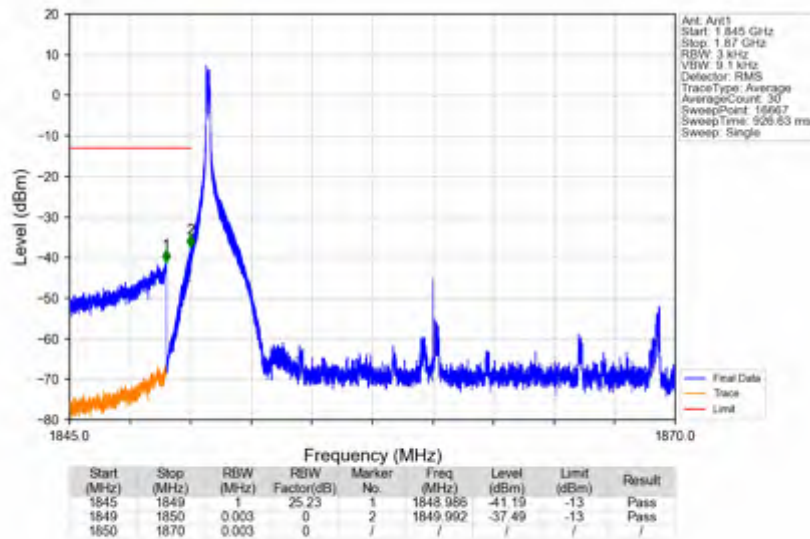
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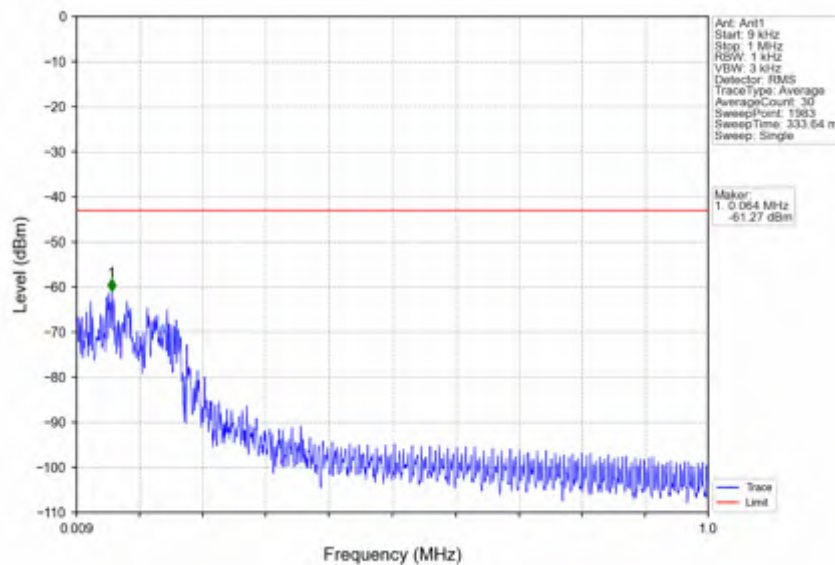
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n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_1880MHz_Edge_1RB_Left



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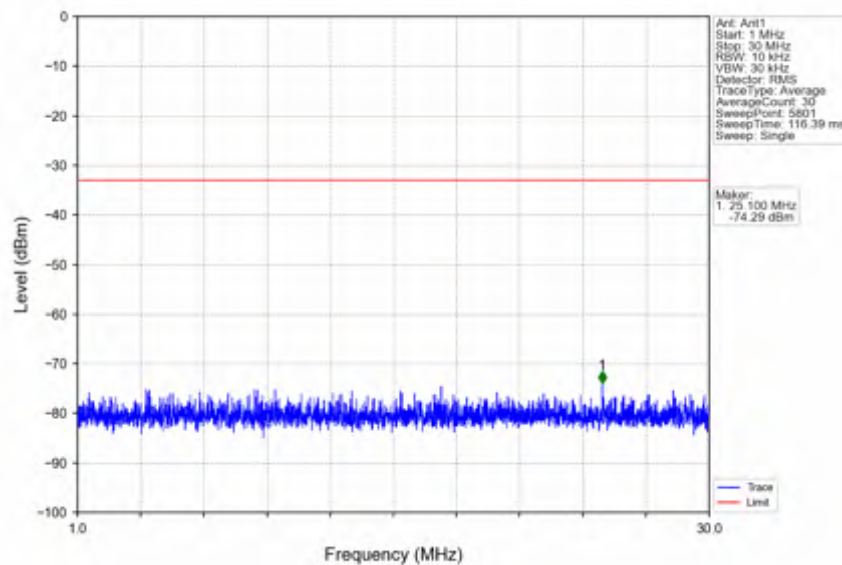
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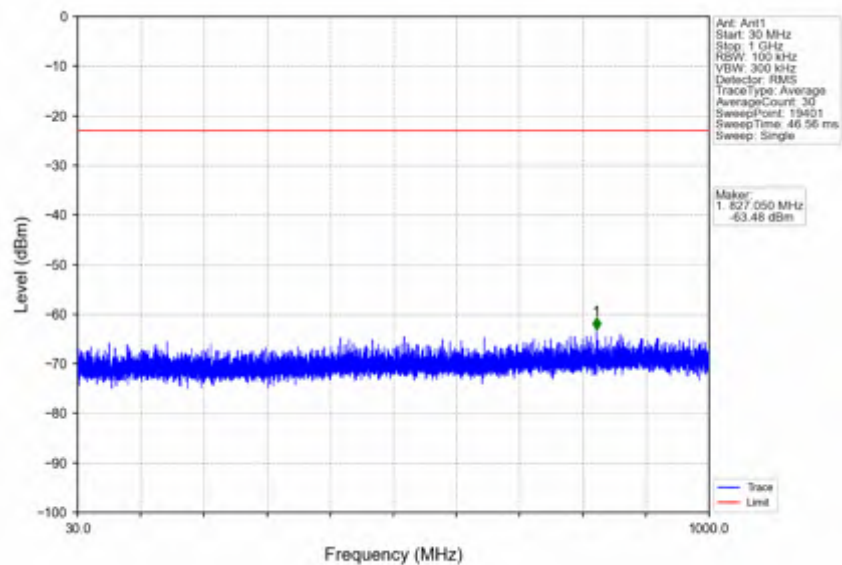
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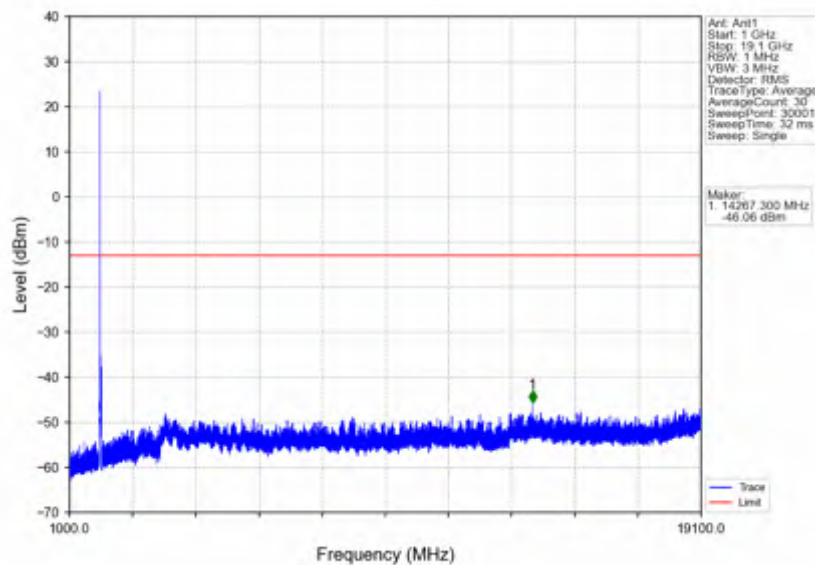
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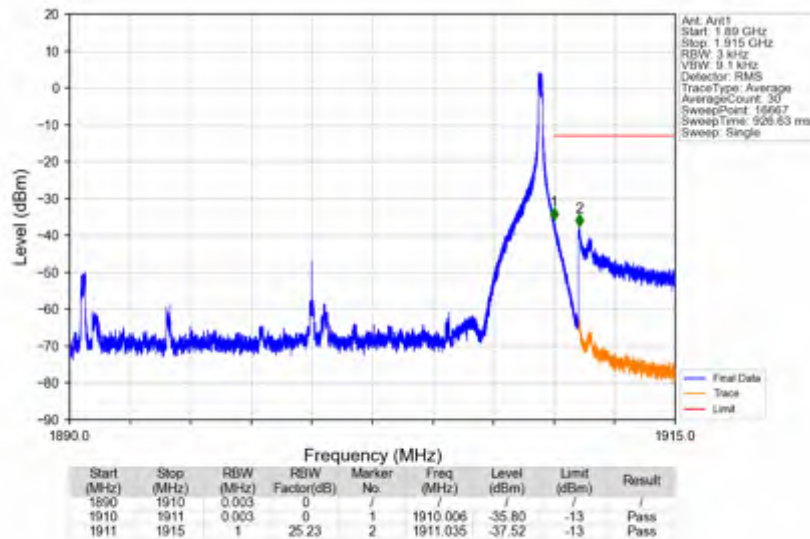
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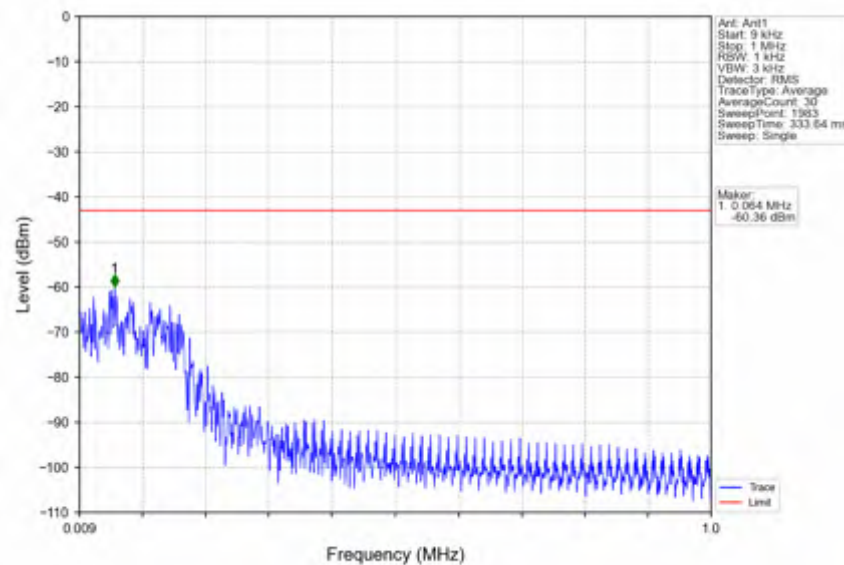


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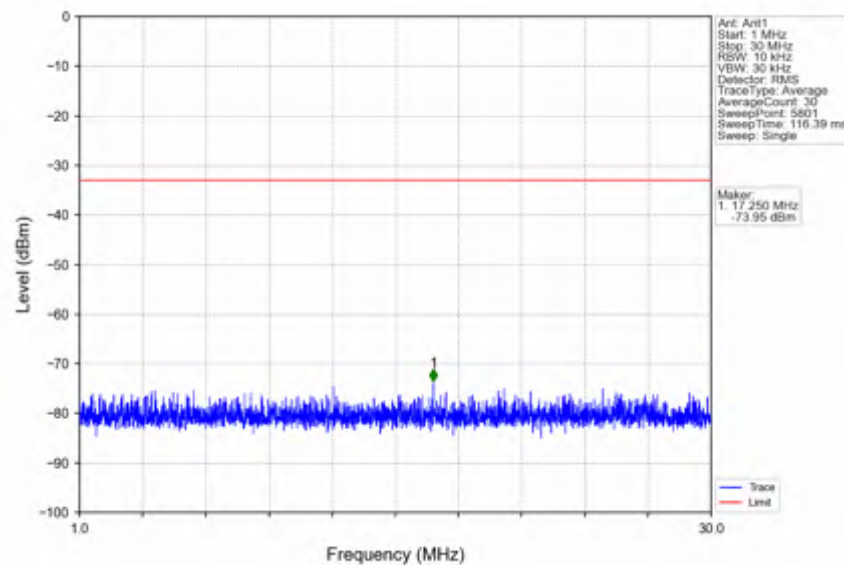
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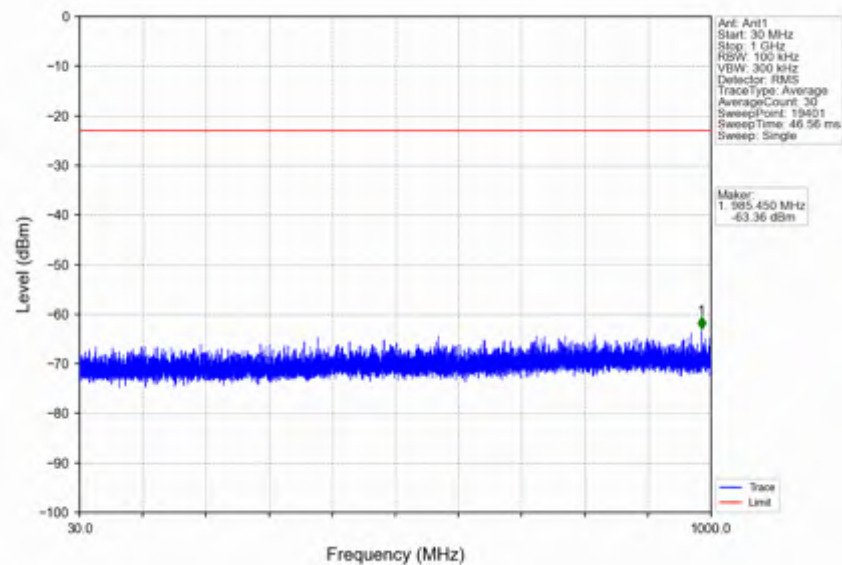
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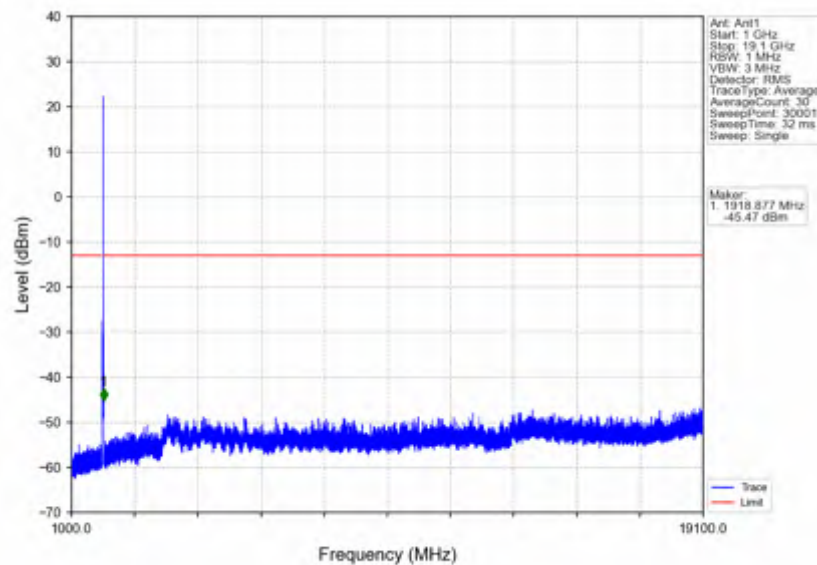
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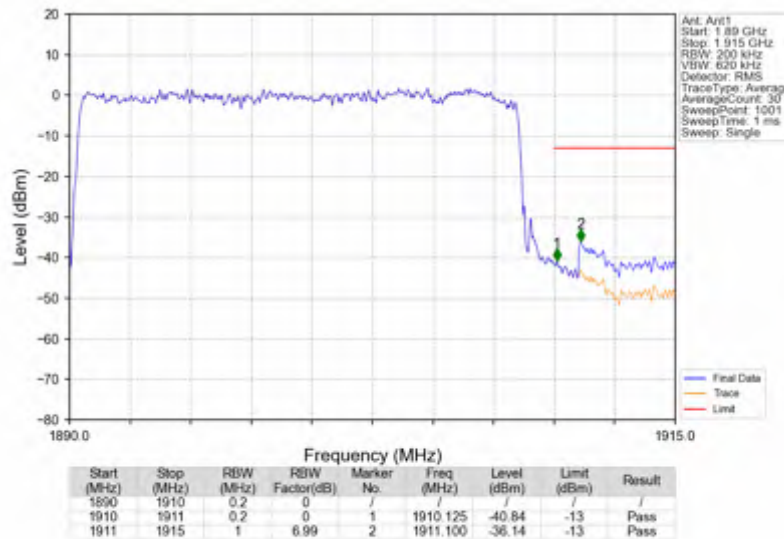
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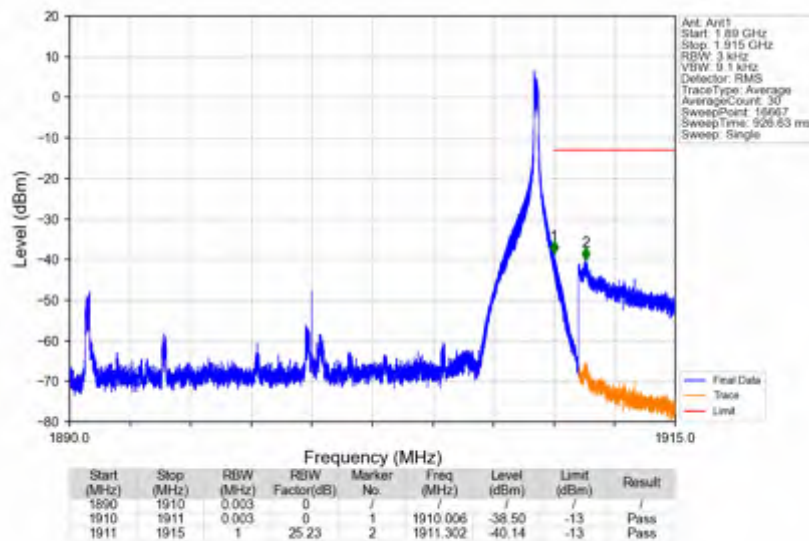
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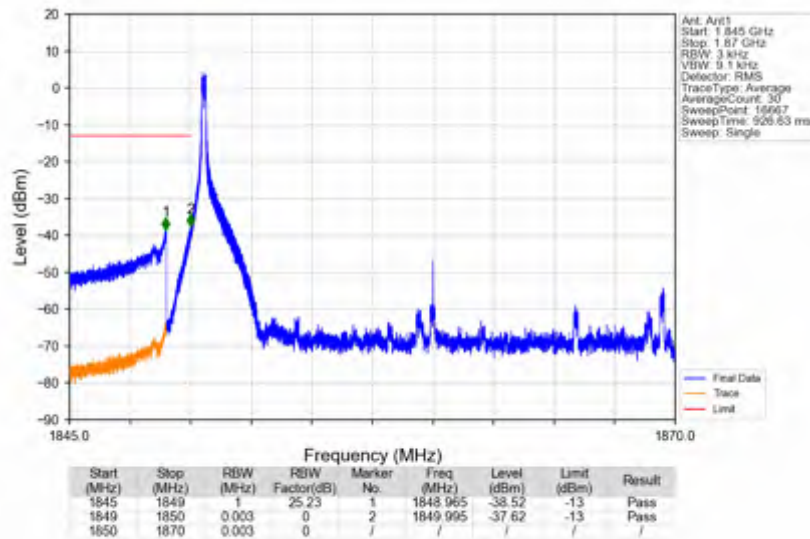


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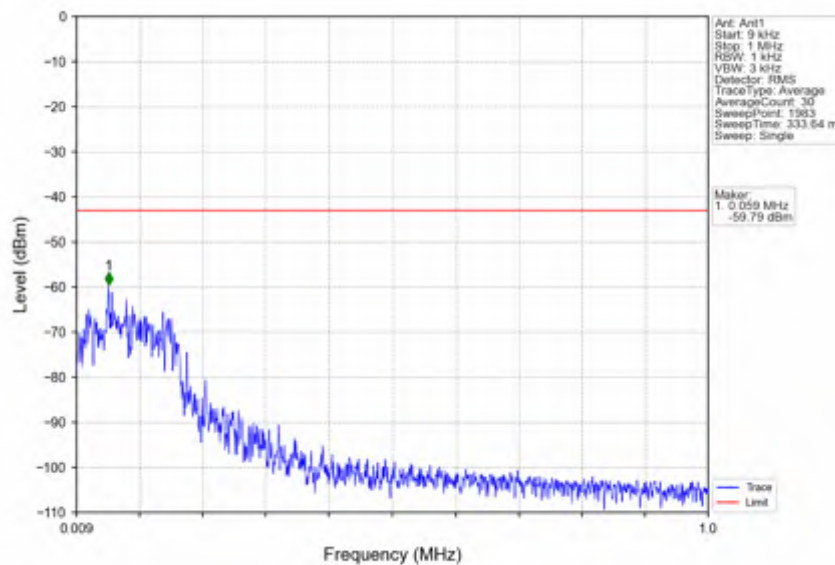
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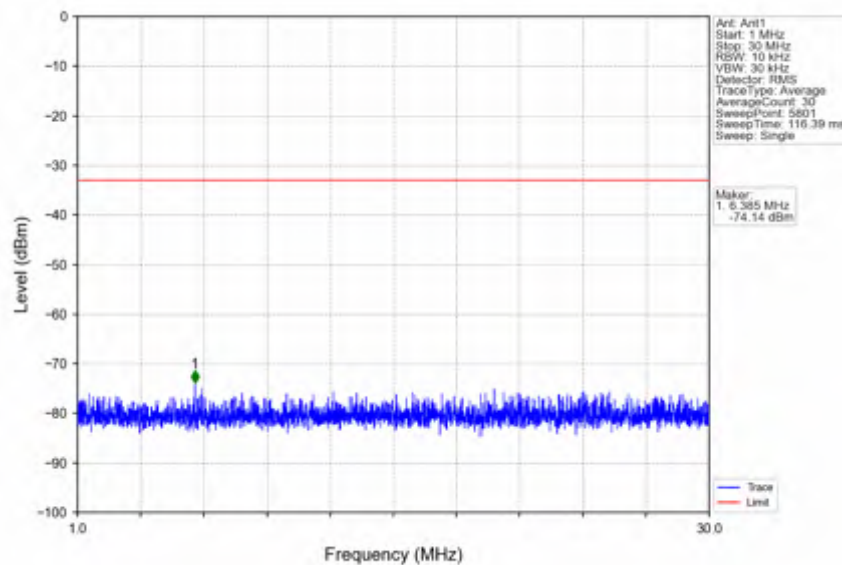


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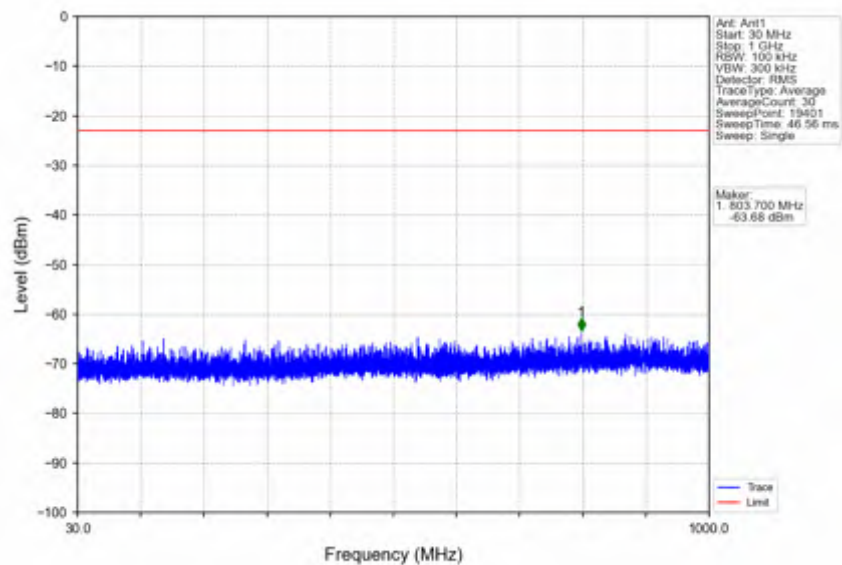
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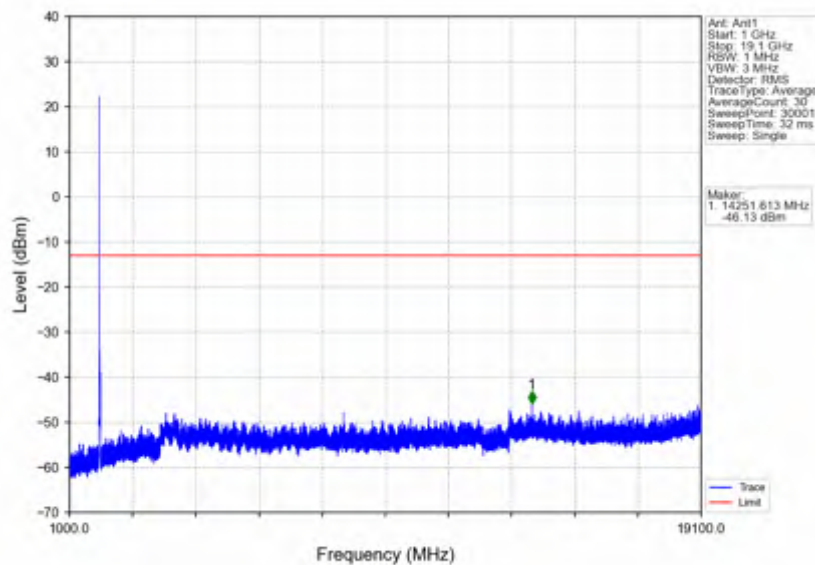
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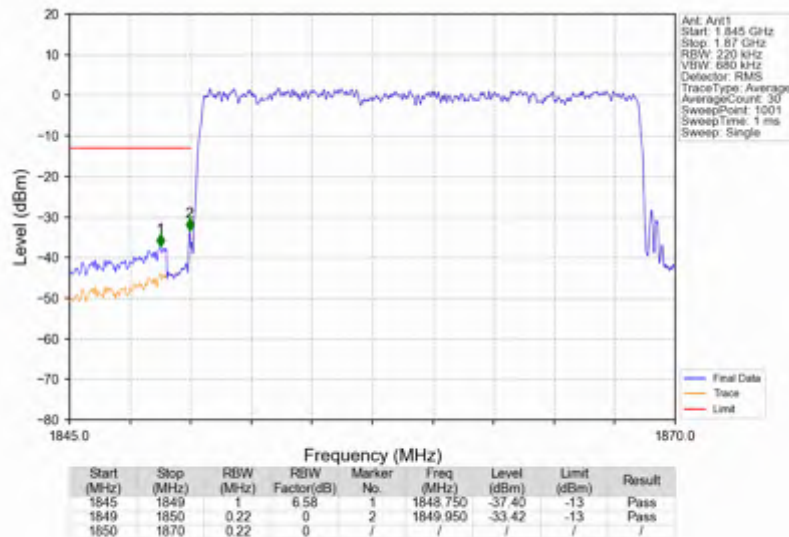
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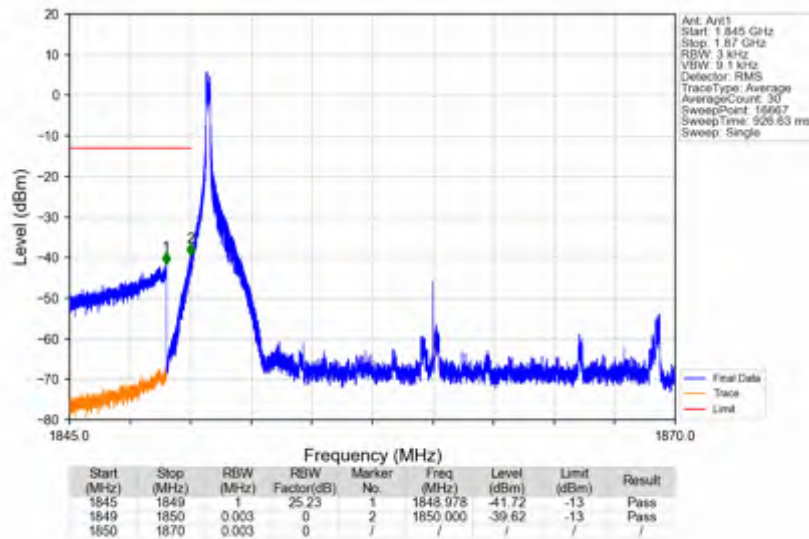
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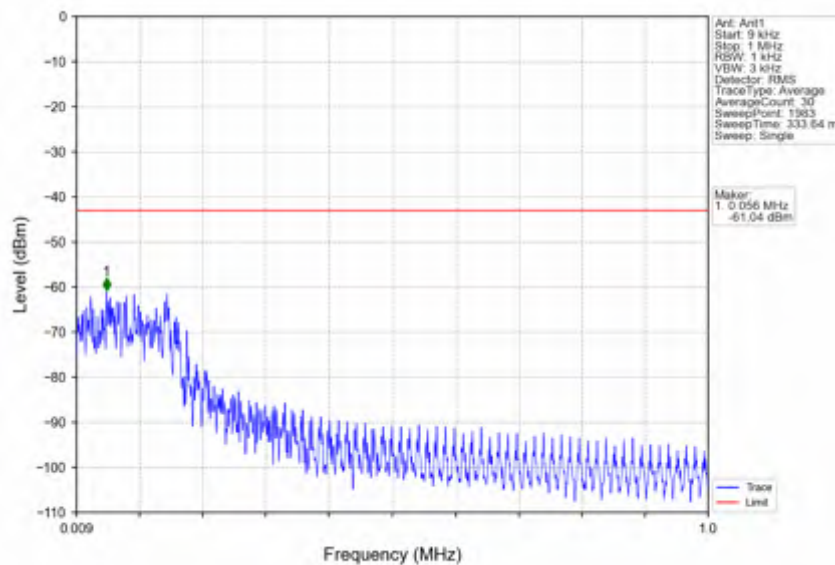
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n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_1880MHz_Edge_1RB_Left

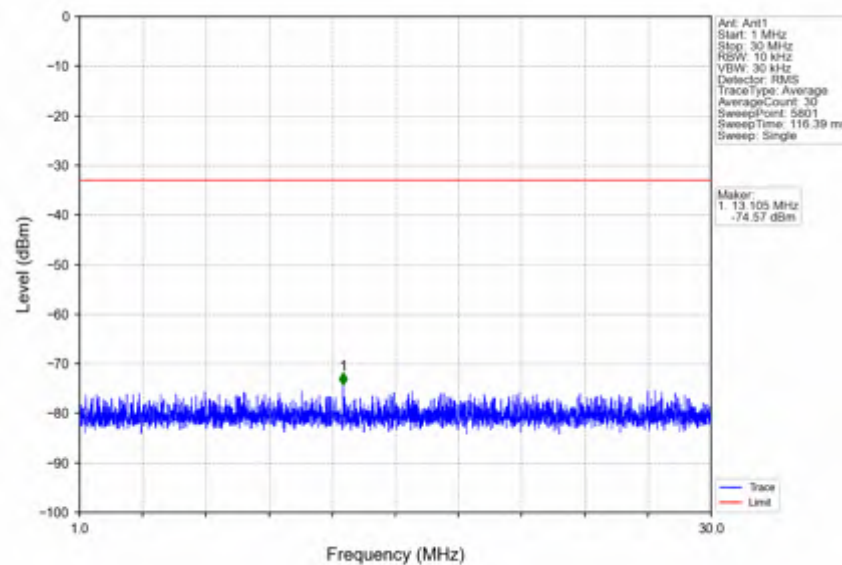


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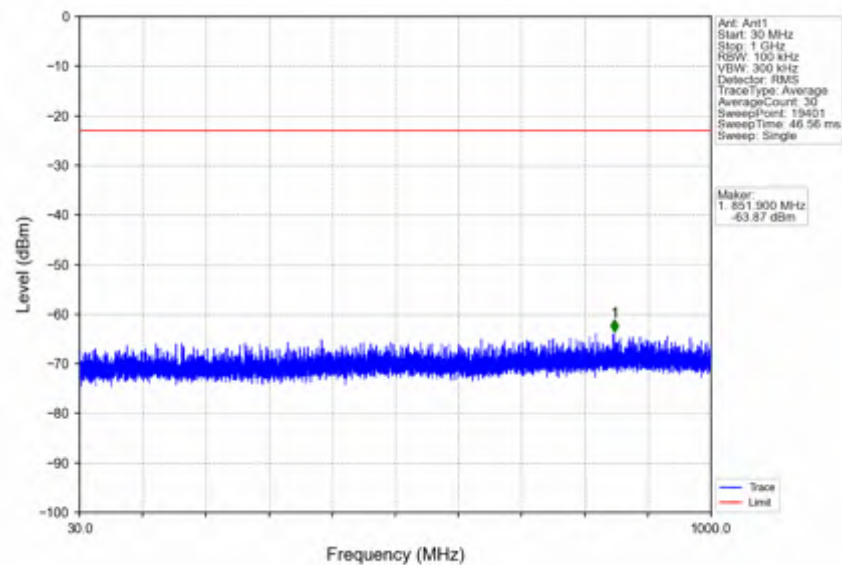
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n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_1880MHz_Edge_1RB_Left



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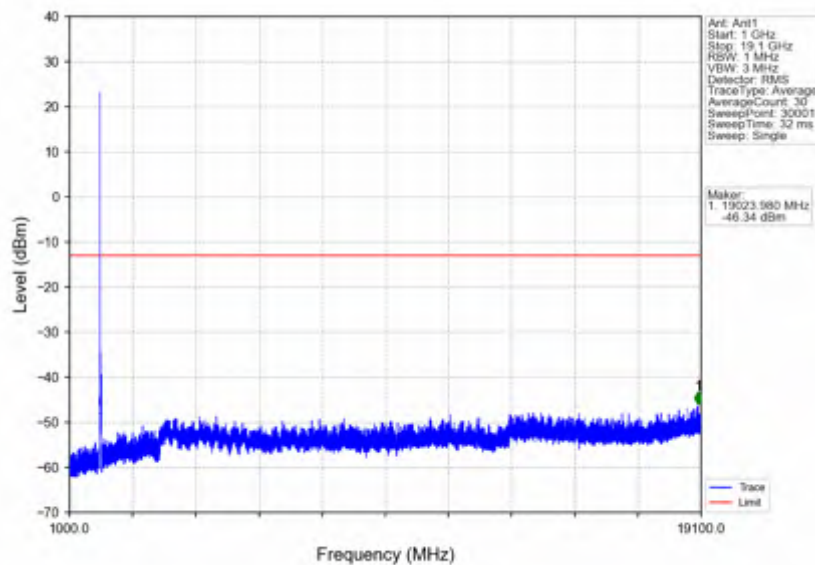
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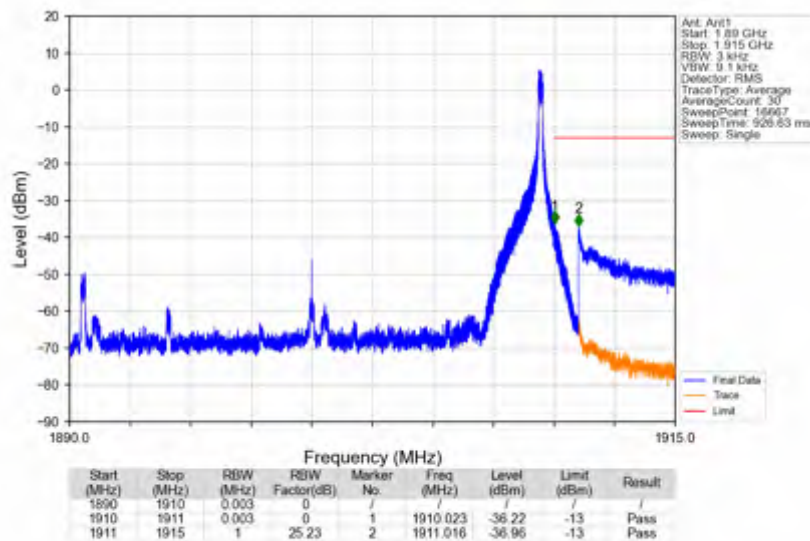
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n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_1880MHz_Edge_1RB_Left



n2 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 1900MHz Edge 1RB Right

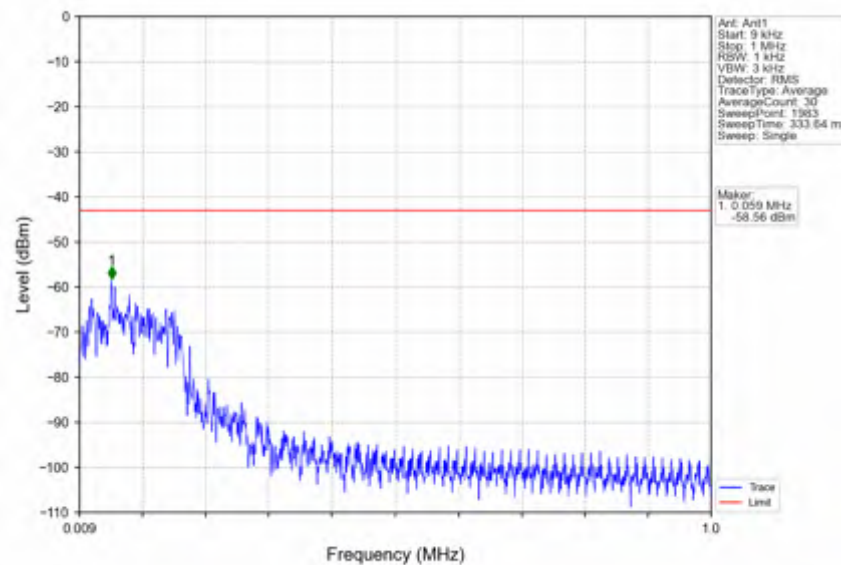


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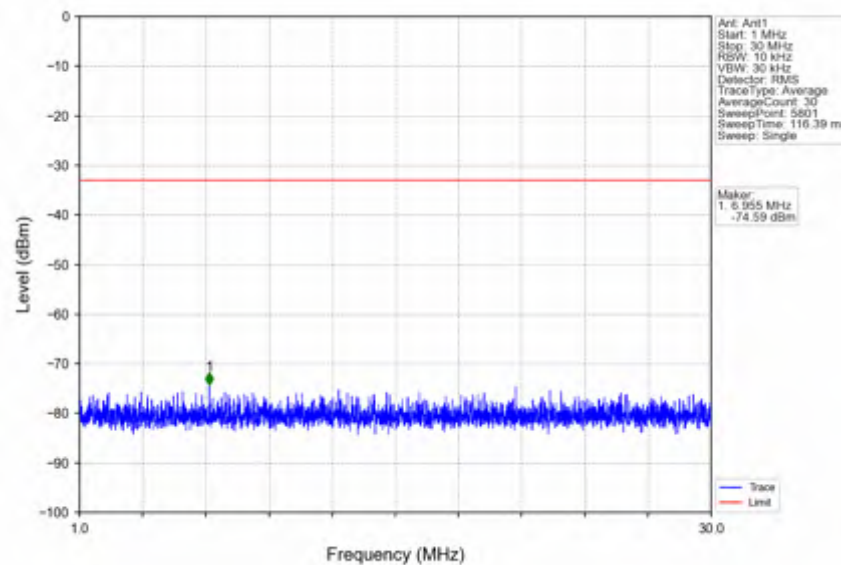
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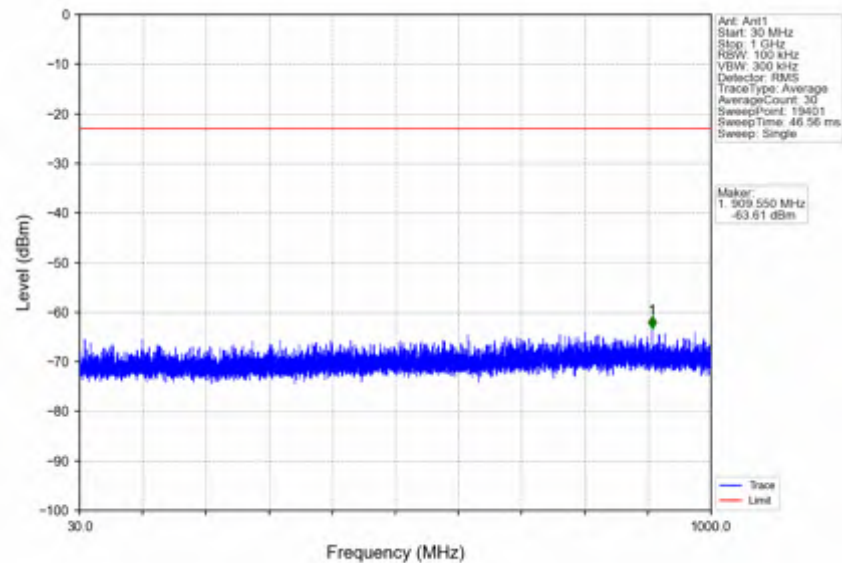
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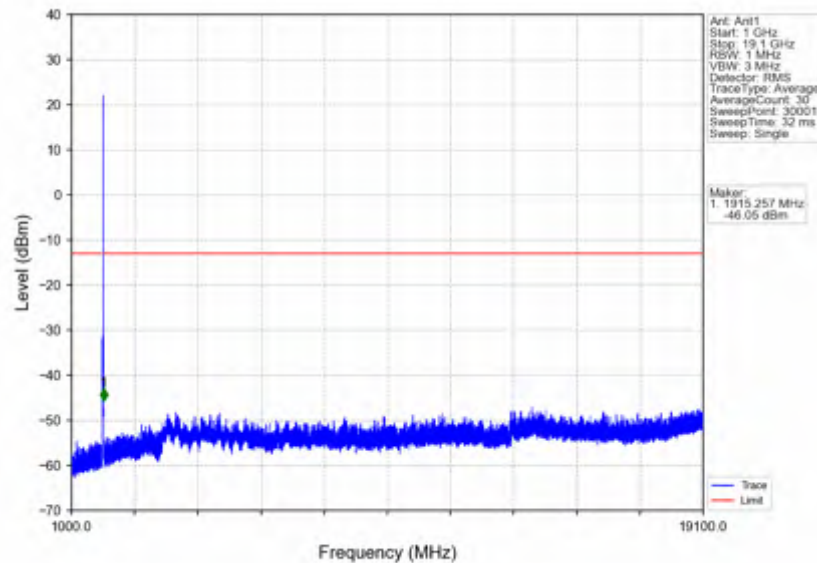
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n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_1900MHz_Edge_1RB_Right



n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_1900MHz_Edge_1RB_Right

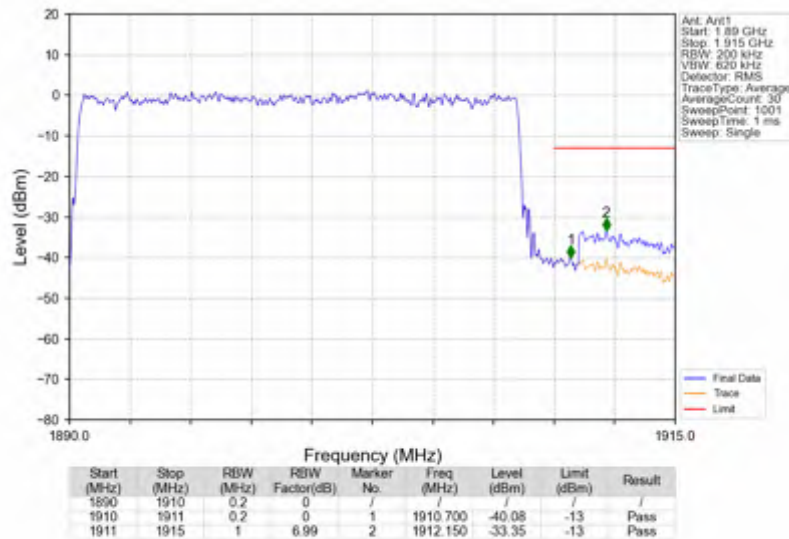


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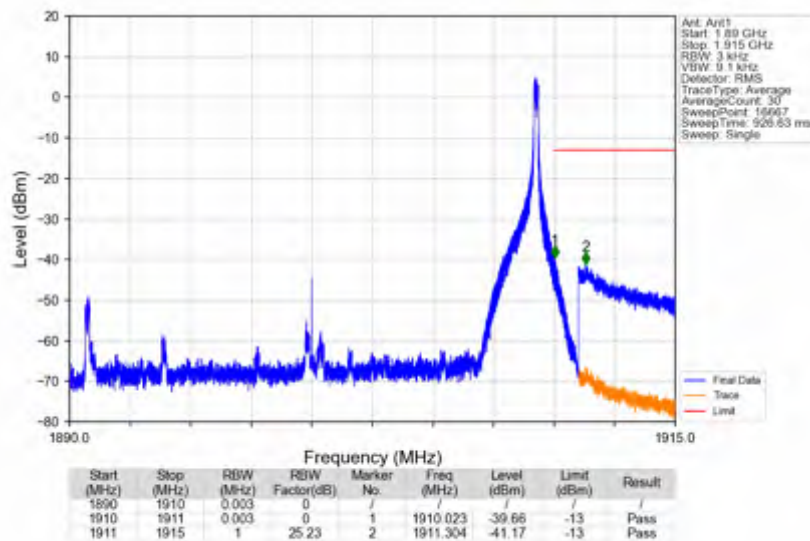
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n2_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_1900MHz_Inner_1RB_Right



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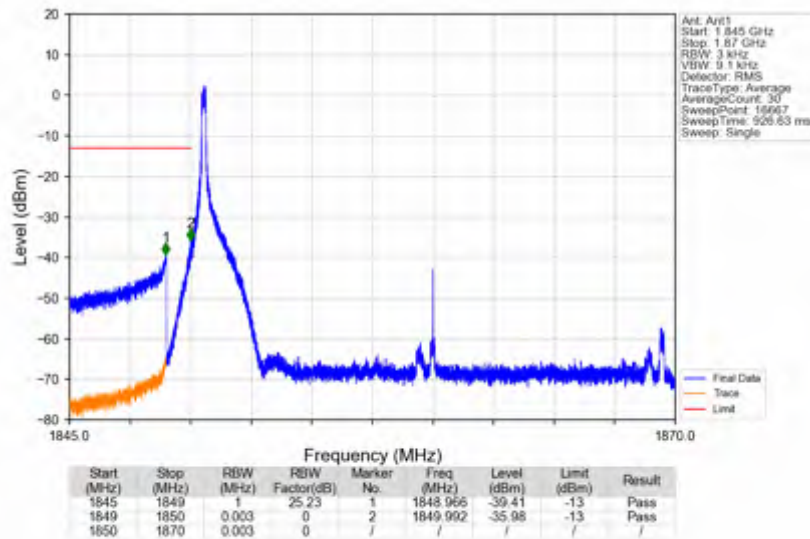
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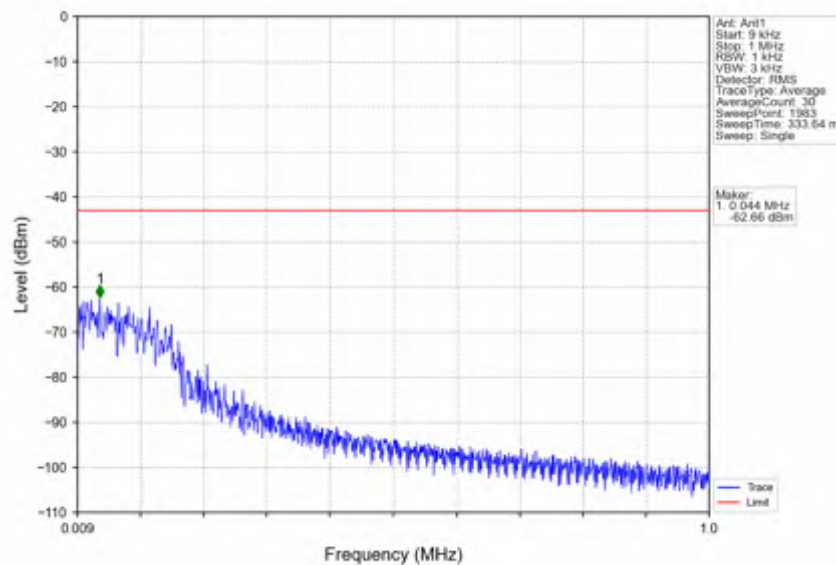
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n2 15kHz SISO NTN 20MHz CP-OFDM QPSK 1860MHz Edge 1RB Left



n2 15kHz SISO NTNv 20MHz CP-OFDM QPSK 1860MHz Edge 1RB Left

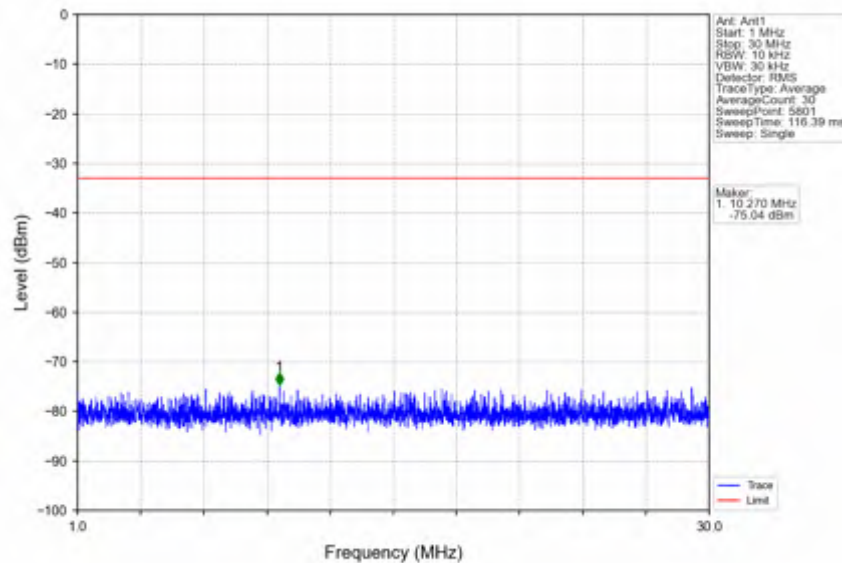


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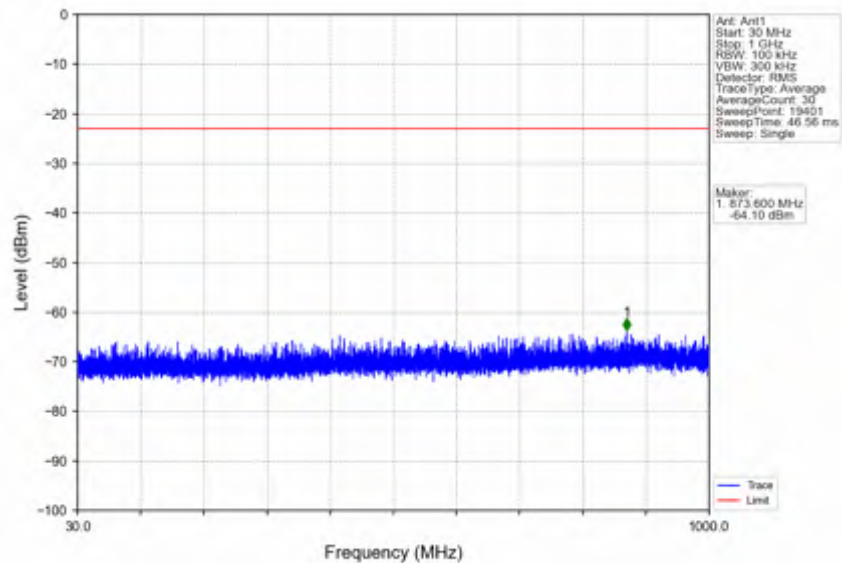
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n2_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_1860MHz_Edge_1RB_Left



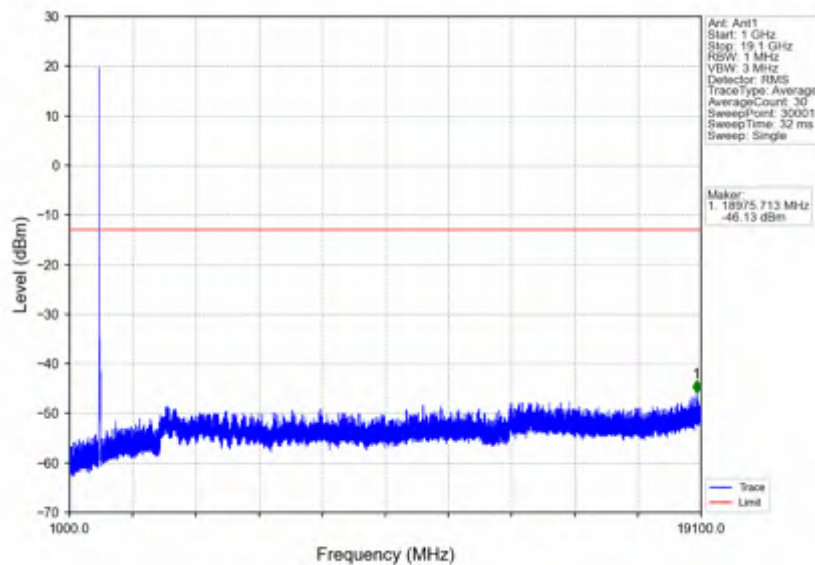
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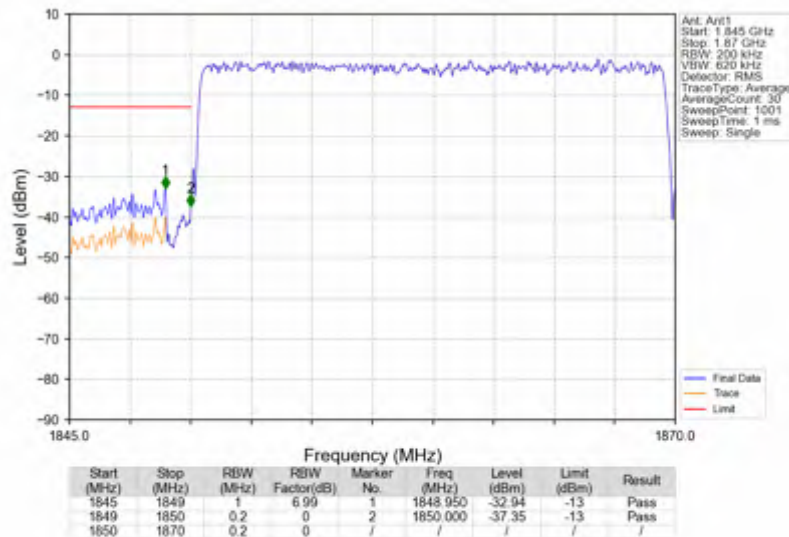
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n2_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_1860MHz_Edge_1RB_Left



n2_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_1860MHz_Outer_Full



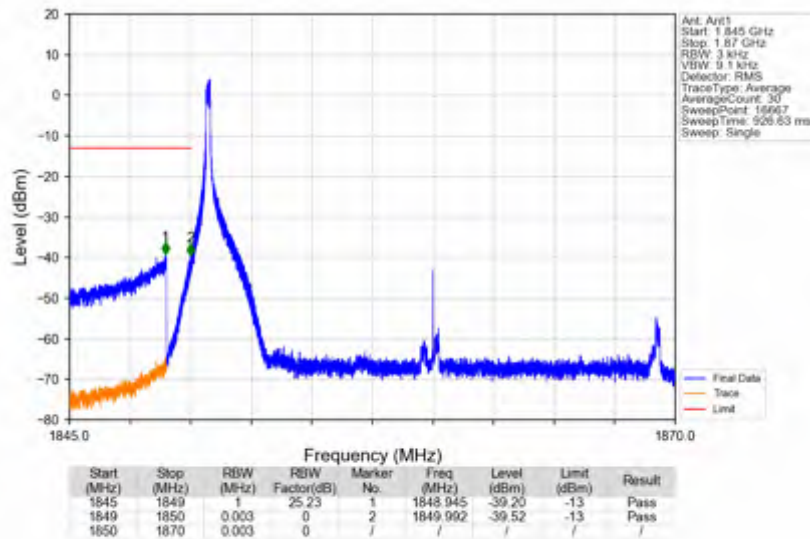
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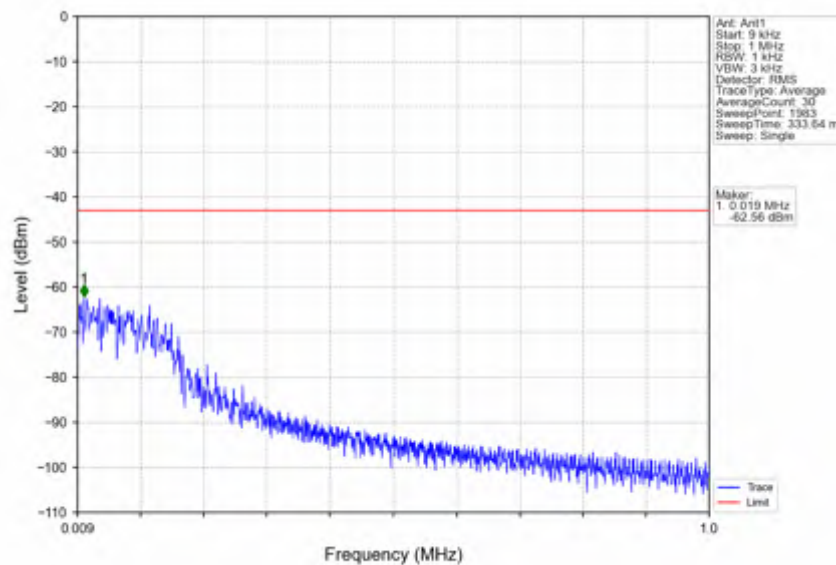
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n2 15kHz SISO NTN 20MHz CP-OFDM QPSK 1880MHz Edge 1RB Left

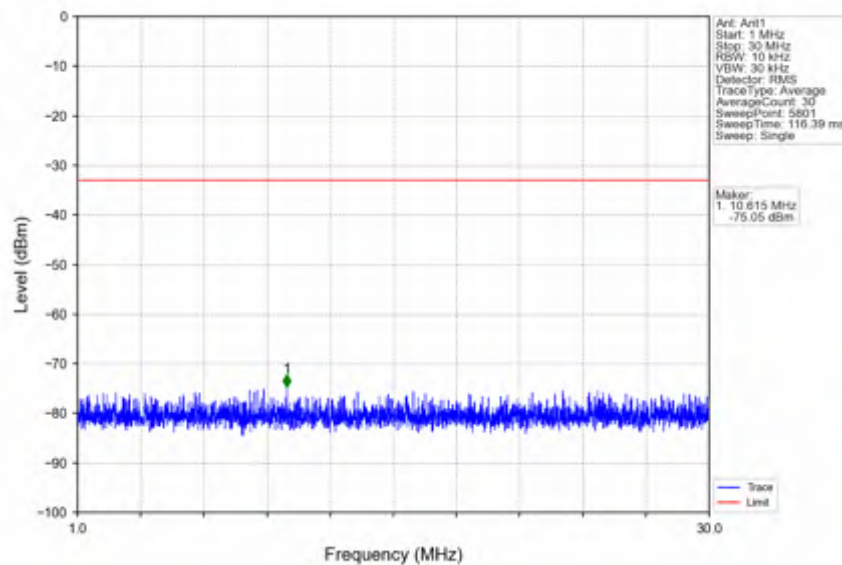


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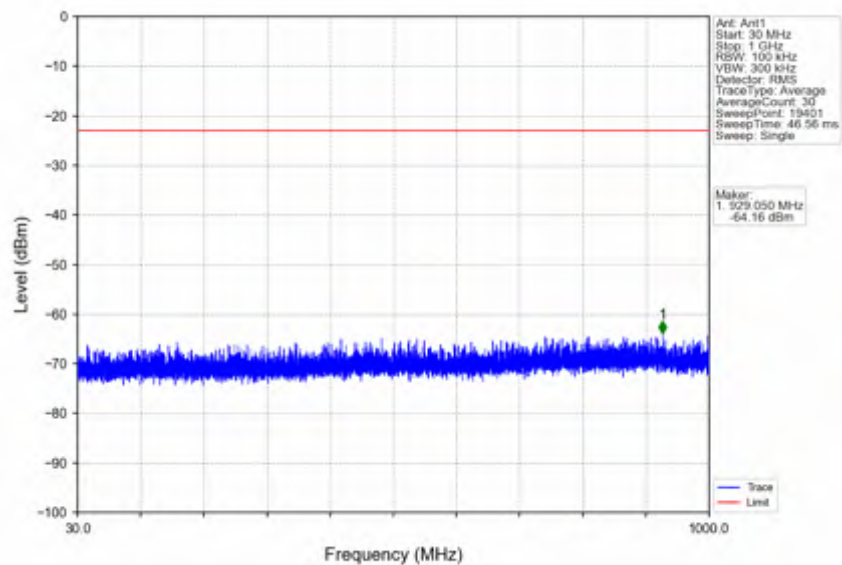
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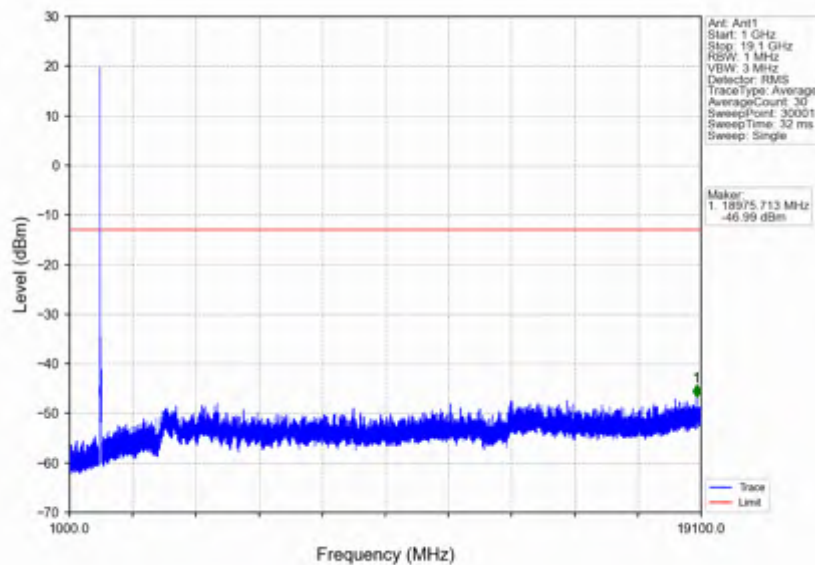
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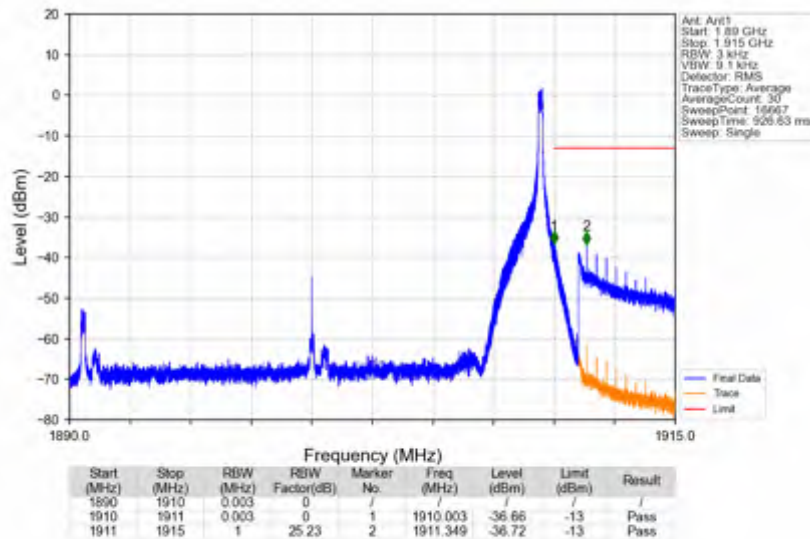
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n2_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_1900MHz_Edge_1RB_Right



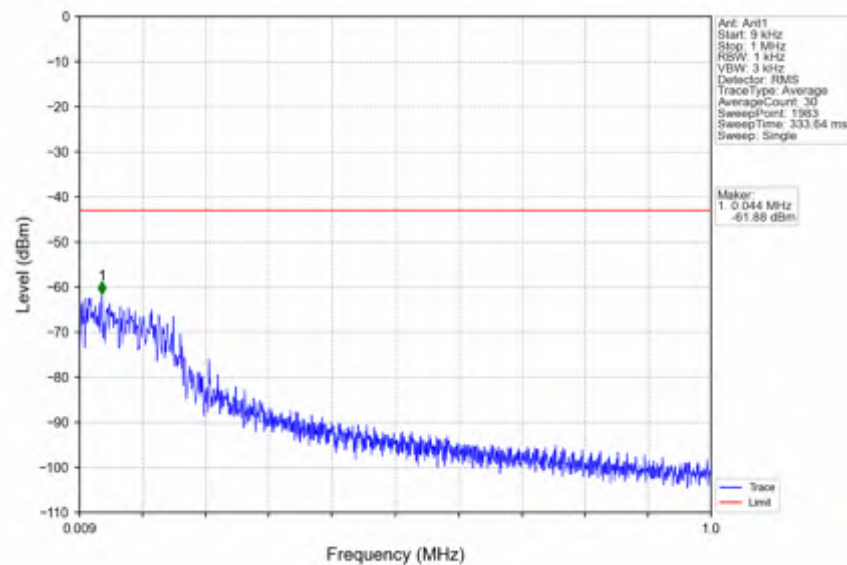
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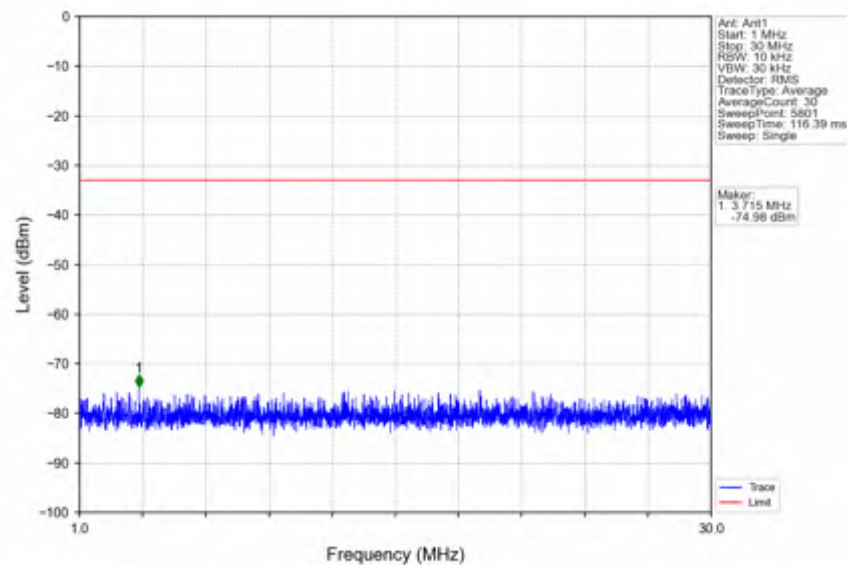
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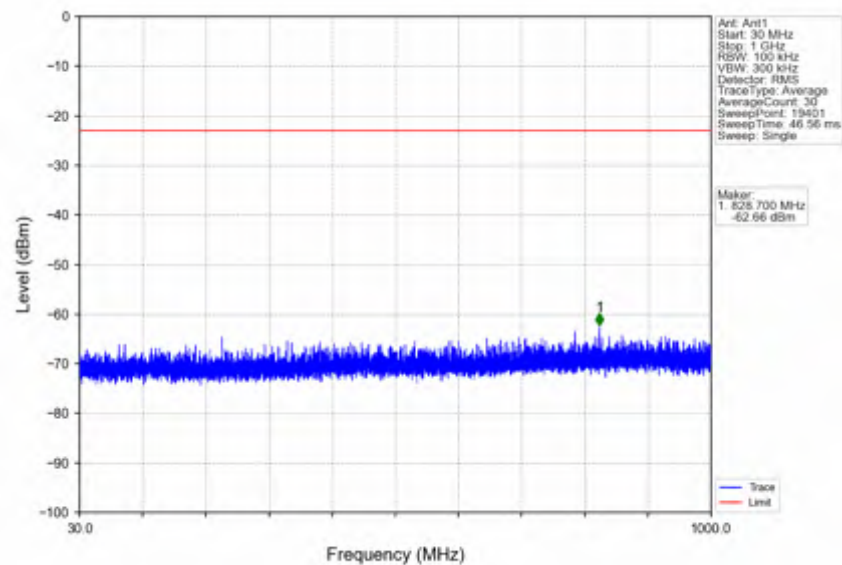
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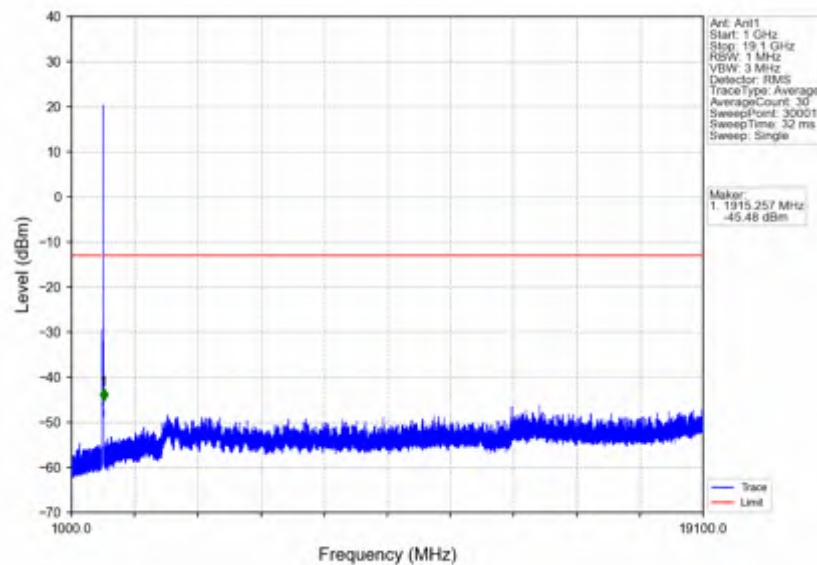
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n2_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_1900MHz_Edge_1RB_Right



n2_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_1900MHz_Edge_1RB_Right

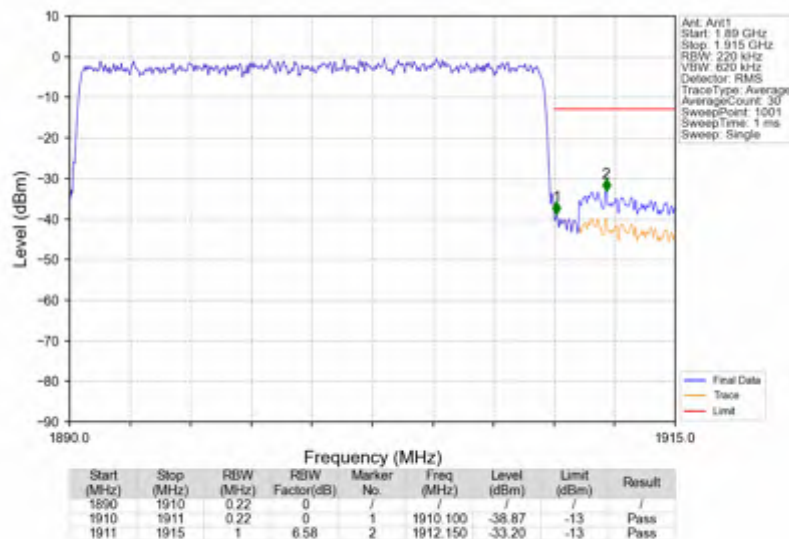


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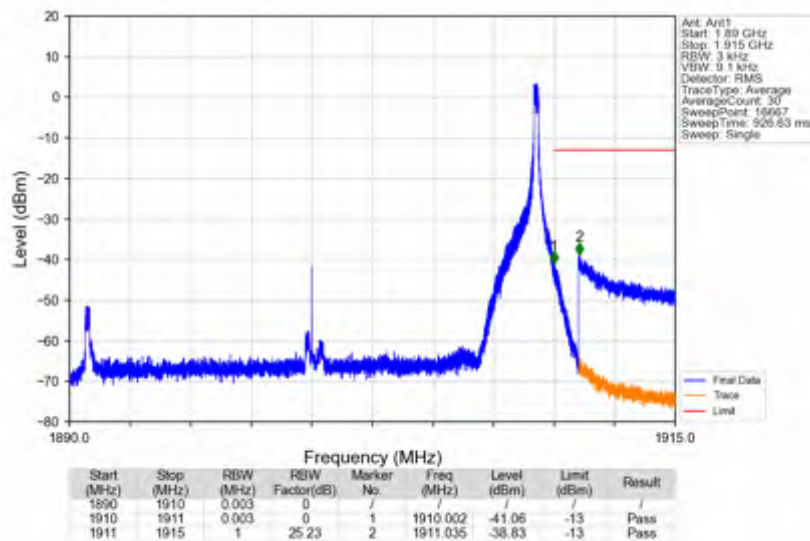
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n2_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_1900MHz_Outer_Full



n2_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_1900MHz_Inner_1RB_Right



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1.5 30k_SISO_10MHz_NTNV

1.5.1 Test Result

5G NR n2 SCS=30kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	
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
	1880	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
		Outer Full	Refer To Test Graph			Pass
DFT-s-OFDM QPSK	1855	Inner 1RB Right	Refer To Test Graph			Pass
	1880	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
	1905	Outer Full	Refer To Test Graph			Pass
		Inner 1RB Right	Refer To Test Graph			Pass
		Inner 1RB Left	Refer To Test Graph			Pass
CP-OFDM QPSK	1855	Edge 1RB Left	Refer To Test Graph			Pass
	1880	Outer Full	Refer To Test Graph			Pass
		Inner 1RB Left	Refer To Test Graph			Pass
	1905	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
		Outer Full	Refer To Test Graph			Pass
CP-OFDM QPSK	1855	Inner 1RB Right	Refer To Test Graph			Pass
	1880	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
	1905	Outer Full	Refer To Test Graph			Pass
		Inner 1RB Right	Refer To Test Graph			Pass
		Inner 1RB Left	Refer To Test Graph			Pass



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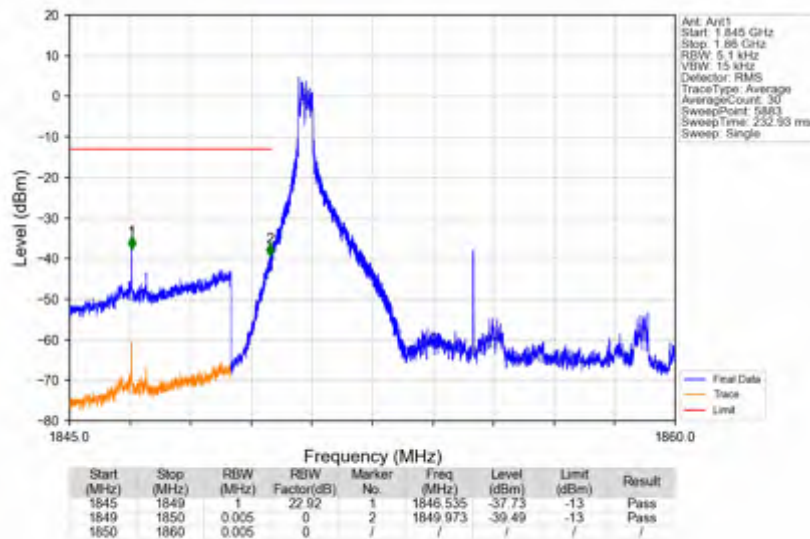
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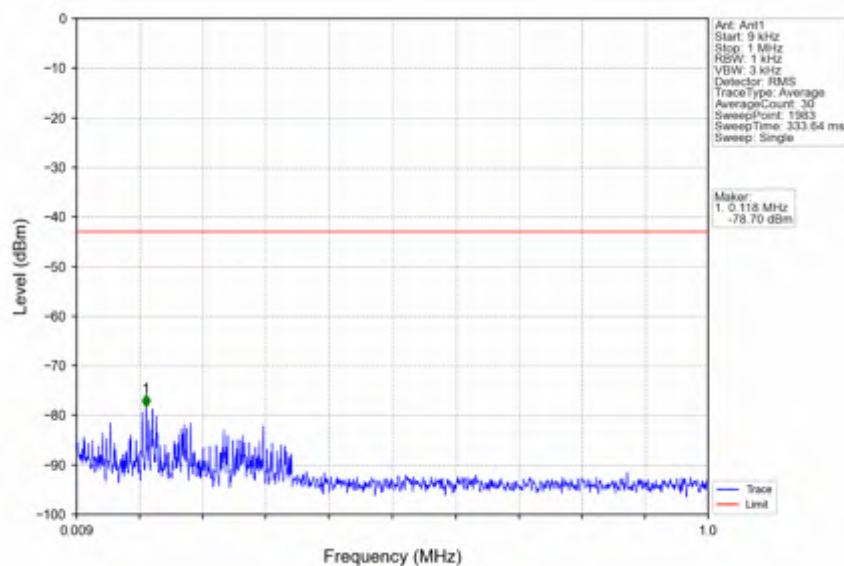
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1.5.2 Test Graph

n2 30kHz SISO NTNv 10MHz DFT-s-OFDM PI/2 BPSK 1855MHz Edge 1RB Left



n2	30kHz	SISO	NTNV	10MHz	DFT-s-OFDM	PI/2 BPSK	1855MHz	Edge	1RB	Left
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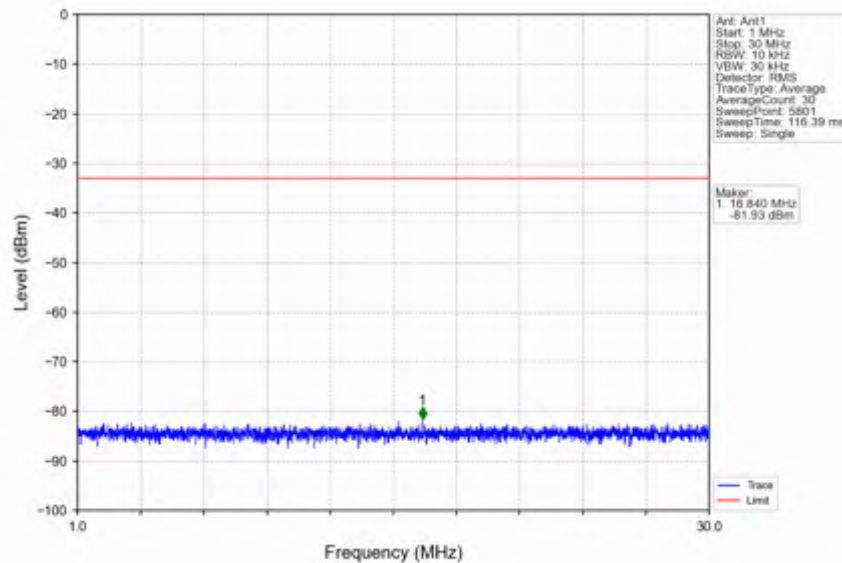


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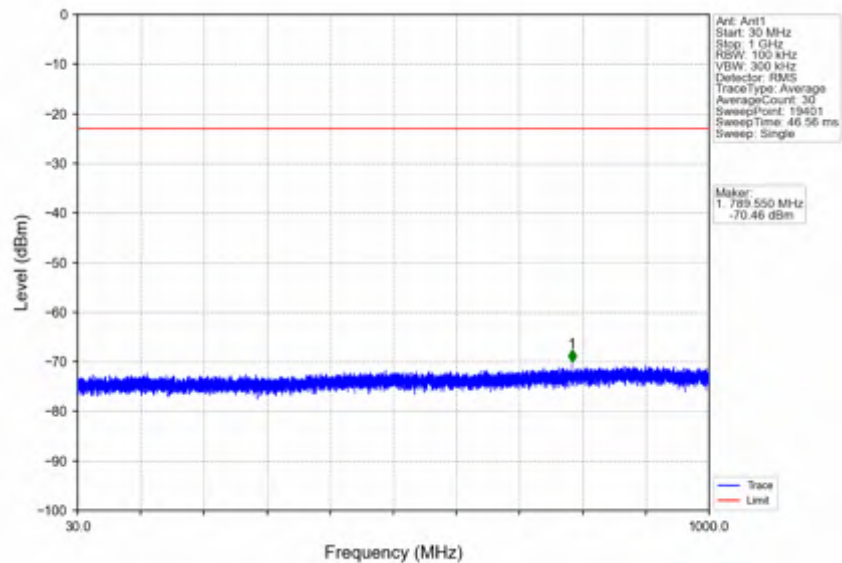
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1855MHz_Edge_1RB_Left



n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1855MHz_Edge_1RB_Left



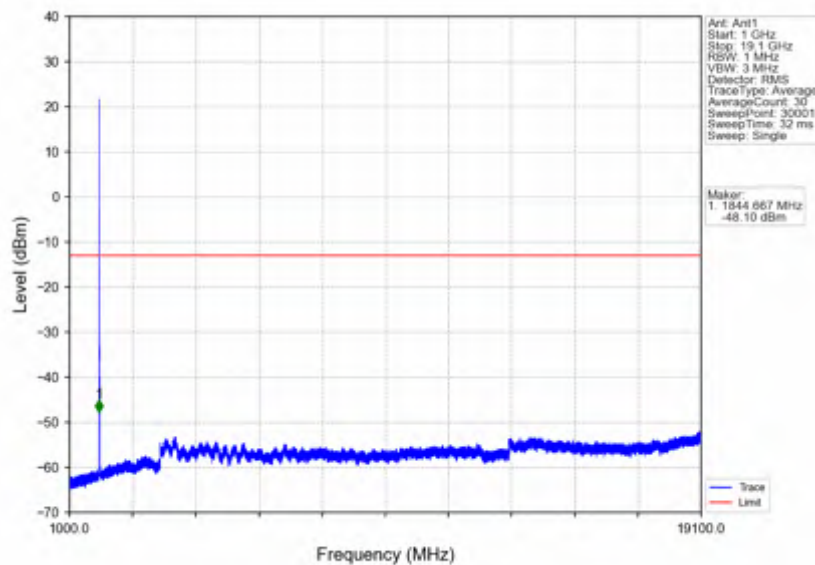
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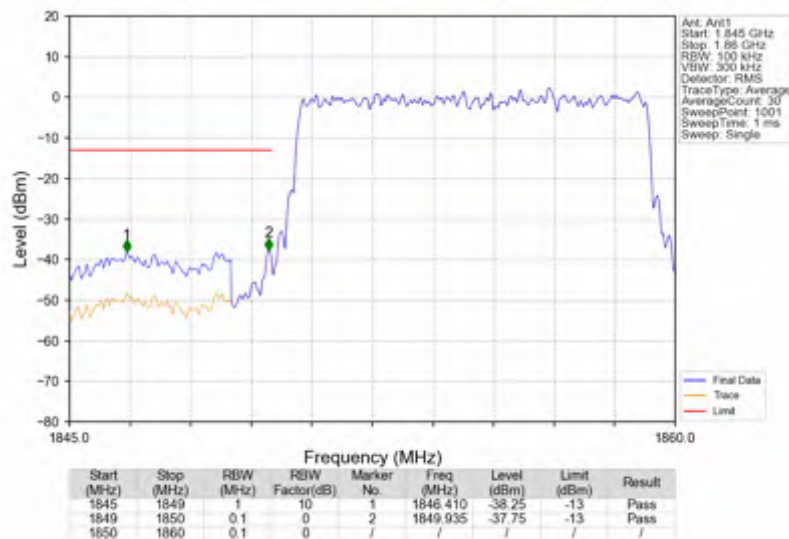
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1855MHz_Edge_1RB_Left



n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1855MHz_Outer_Full



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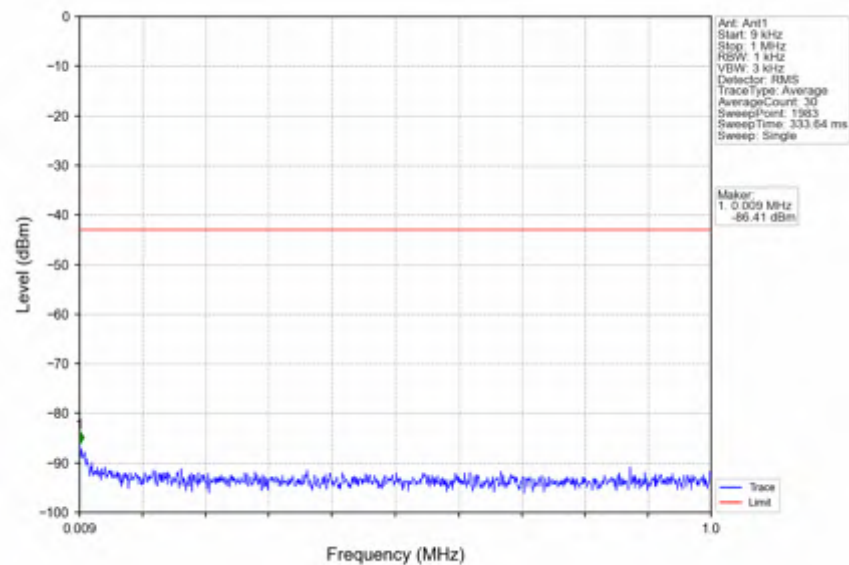
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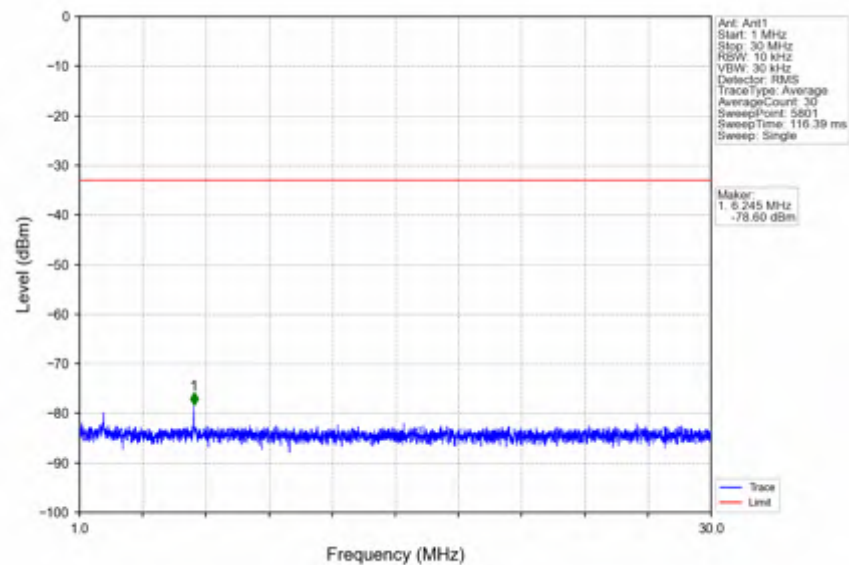
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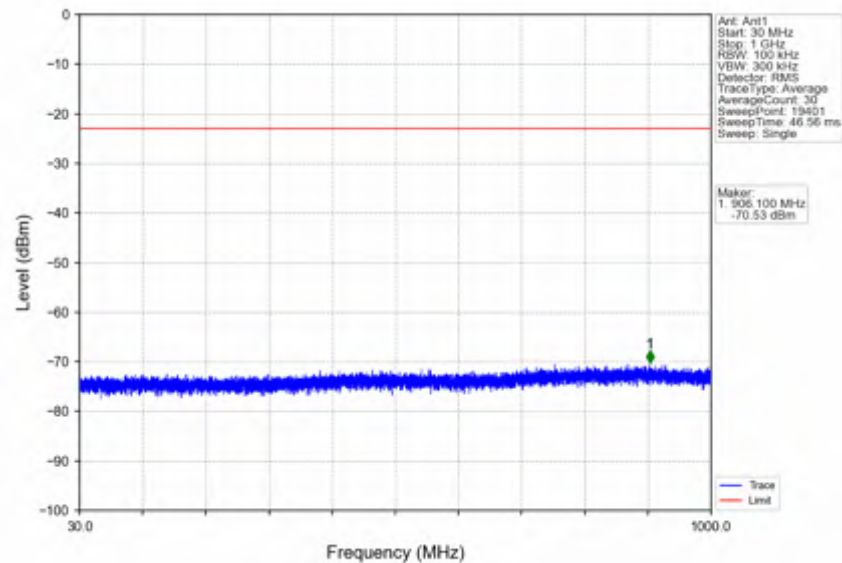


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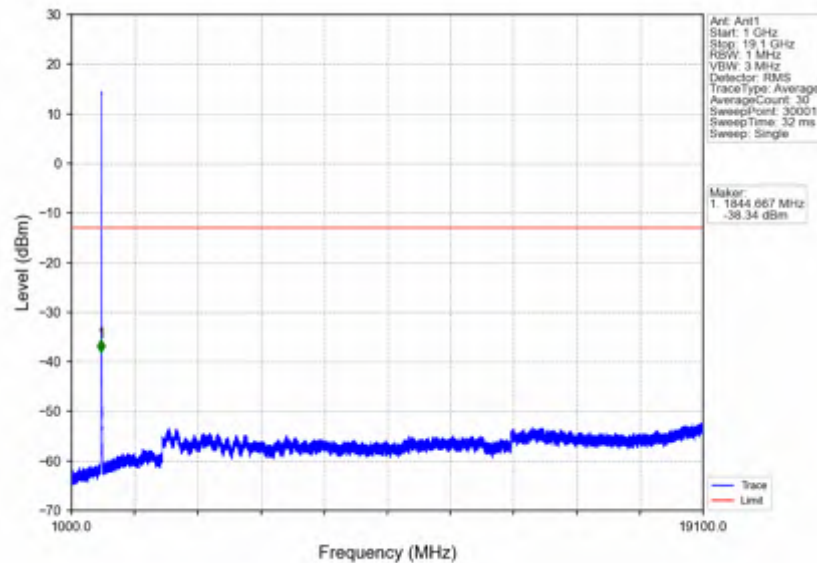
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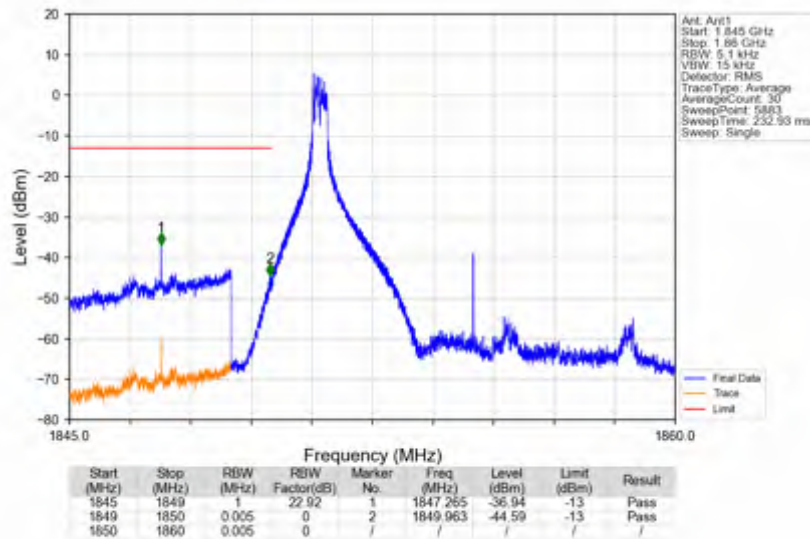
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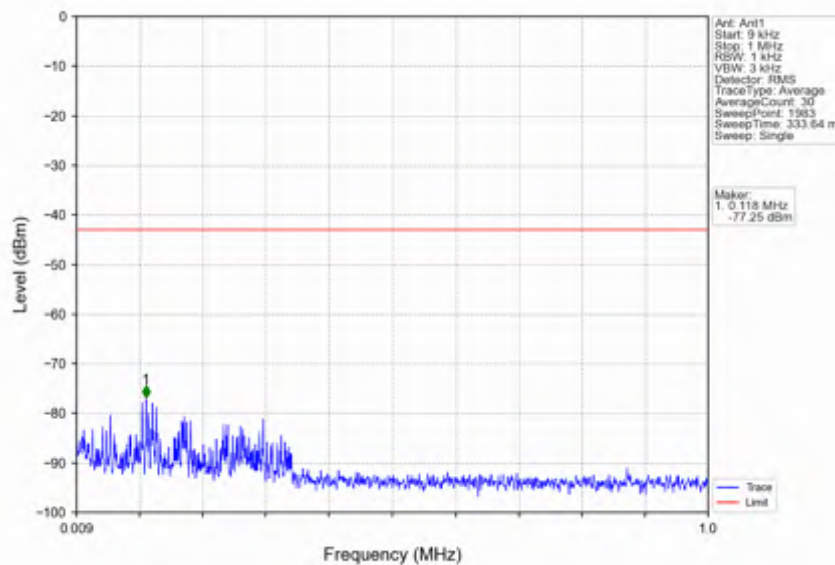
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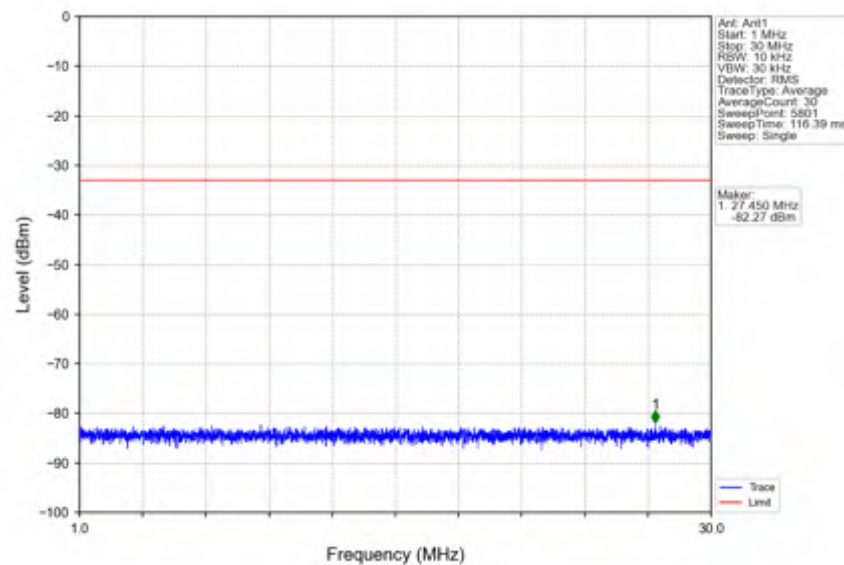
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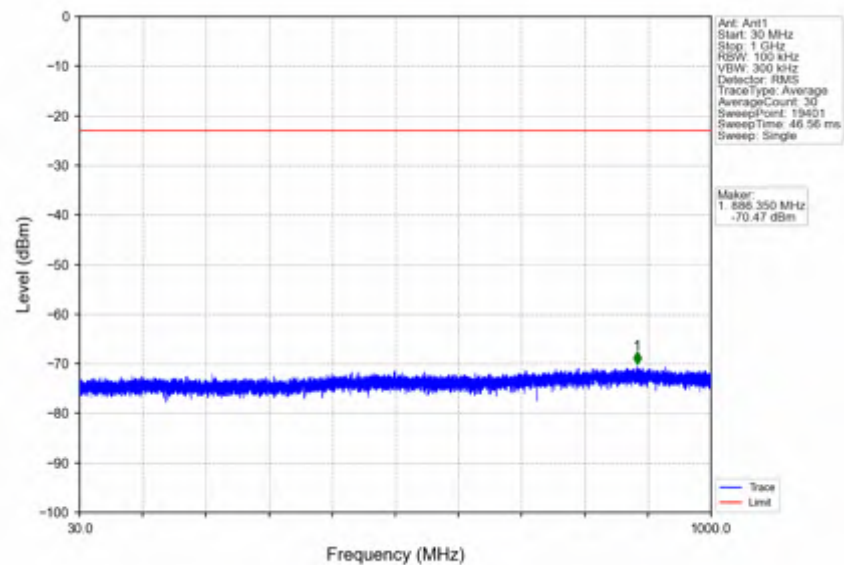
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1855MHz_Inner_1RB_Left



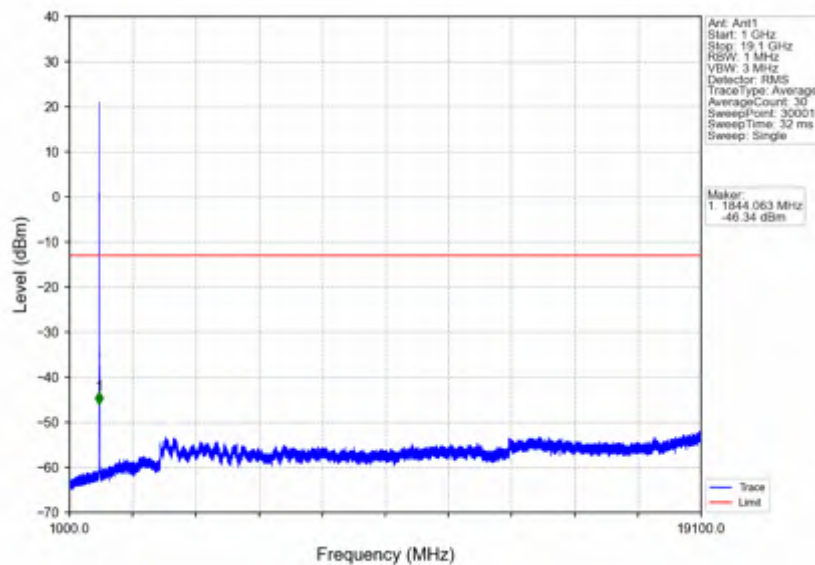
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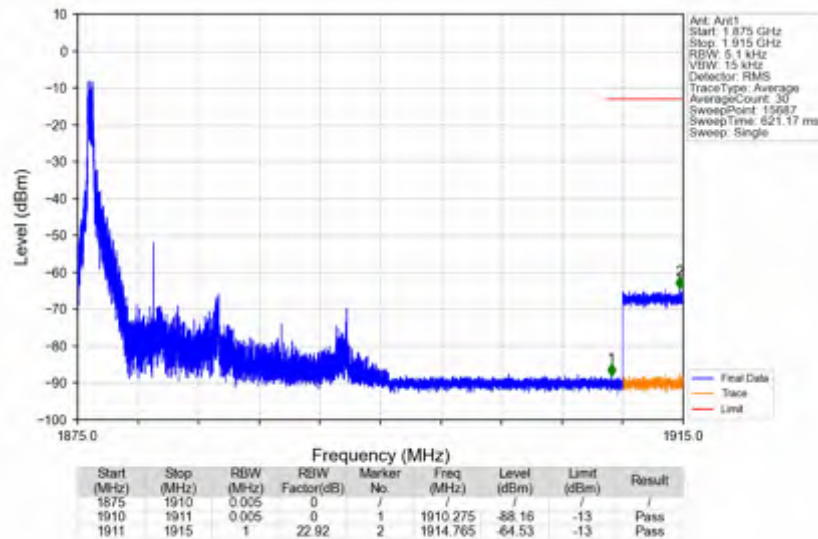
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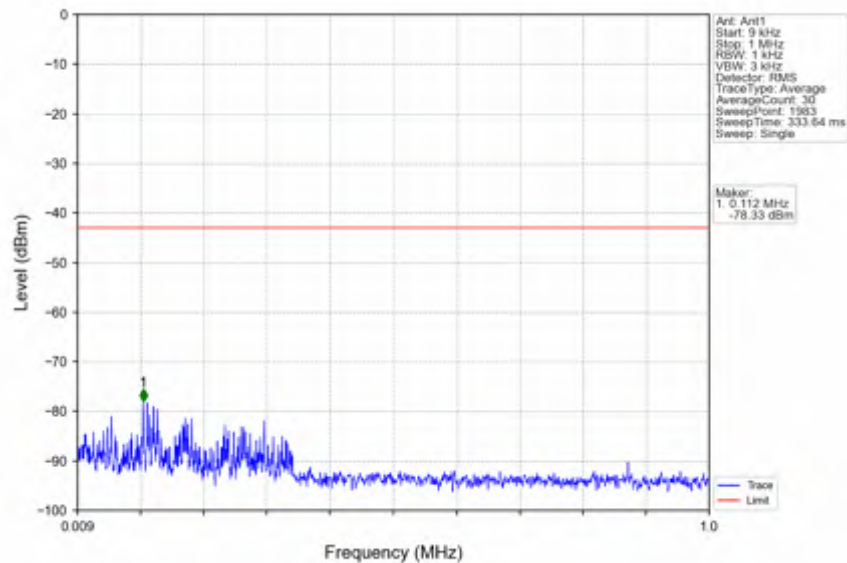


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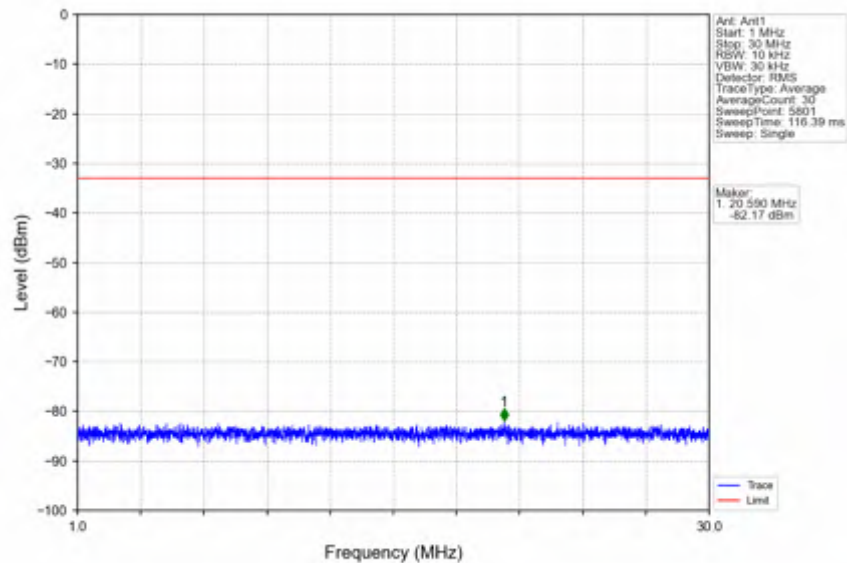
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1880MHz_Edge_1RB_Left



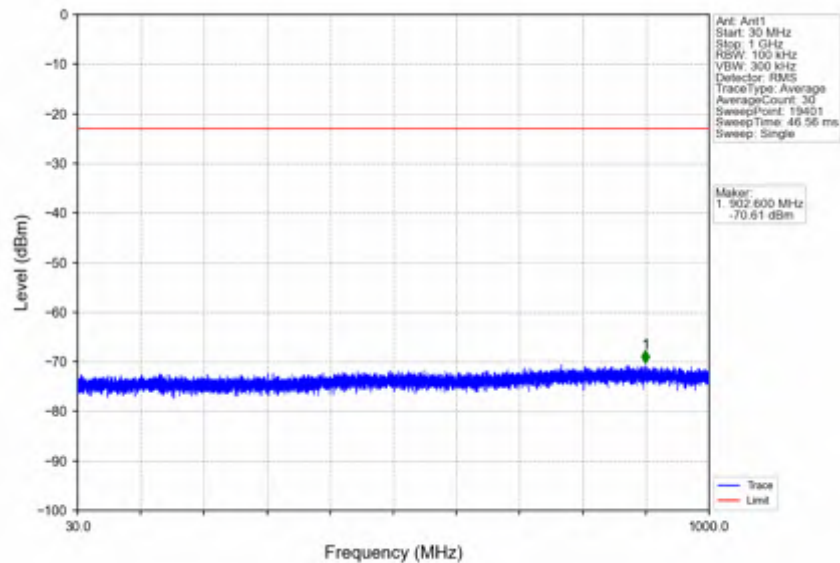
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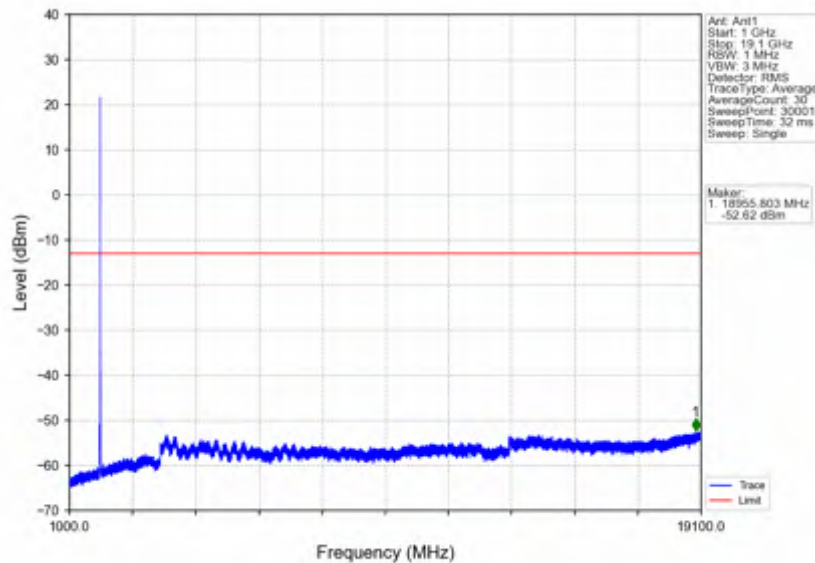
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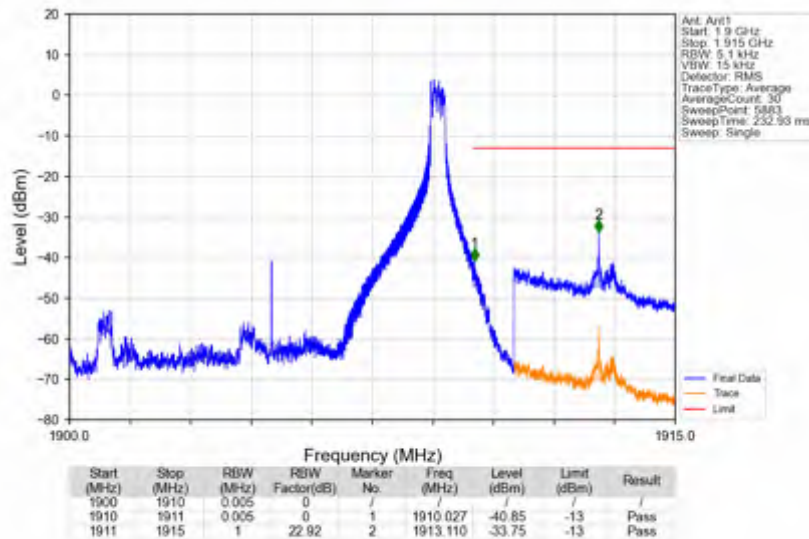
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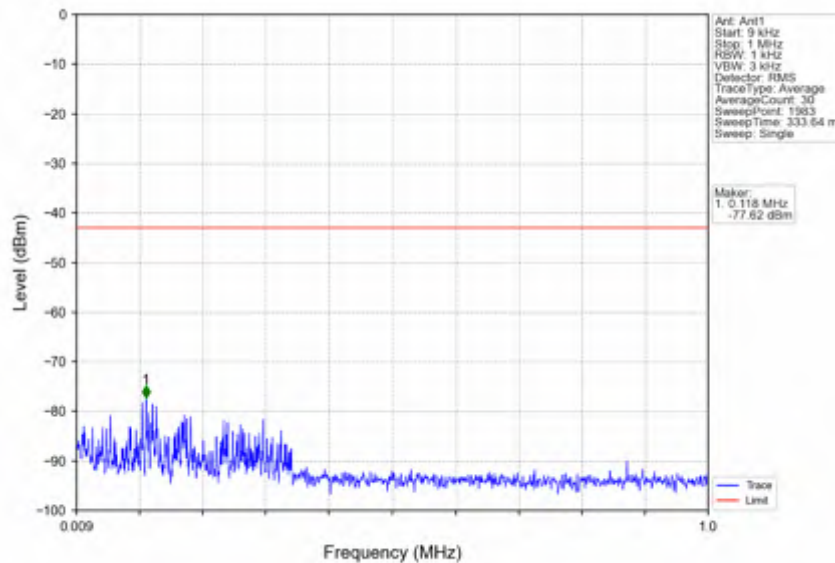
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1905MHz_Edge_1RB_Right



n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1905MHz_Edge_1RB_Right

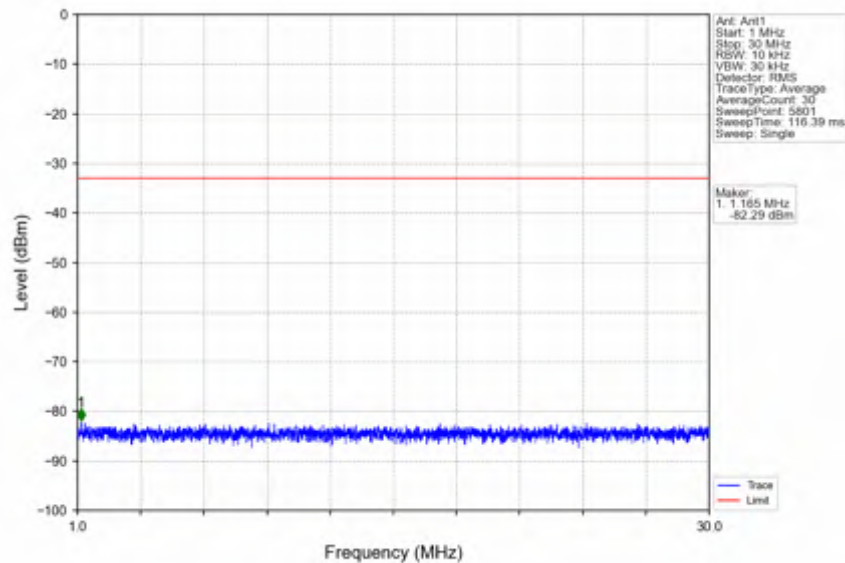


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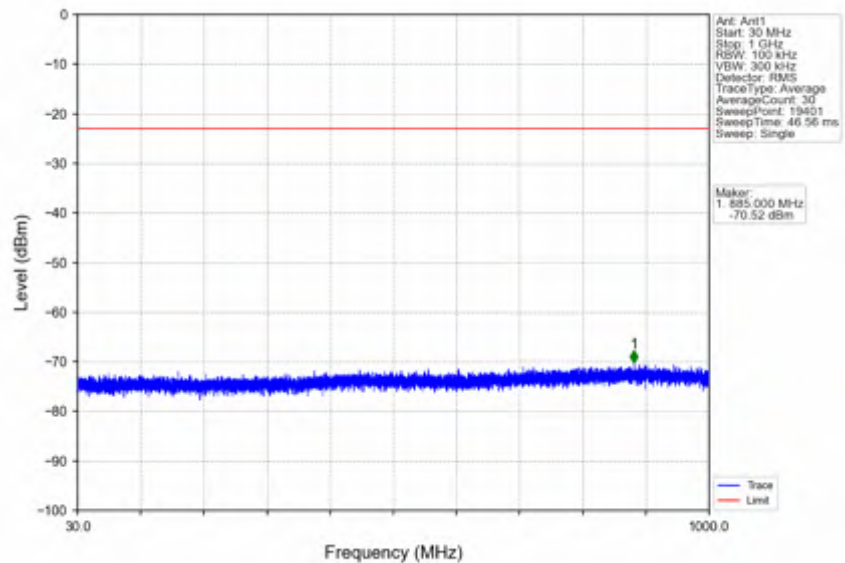
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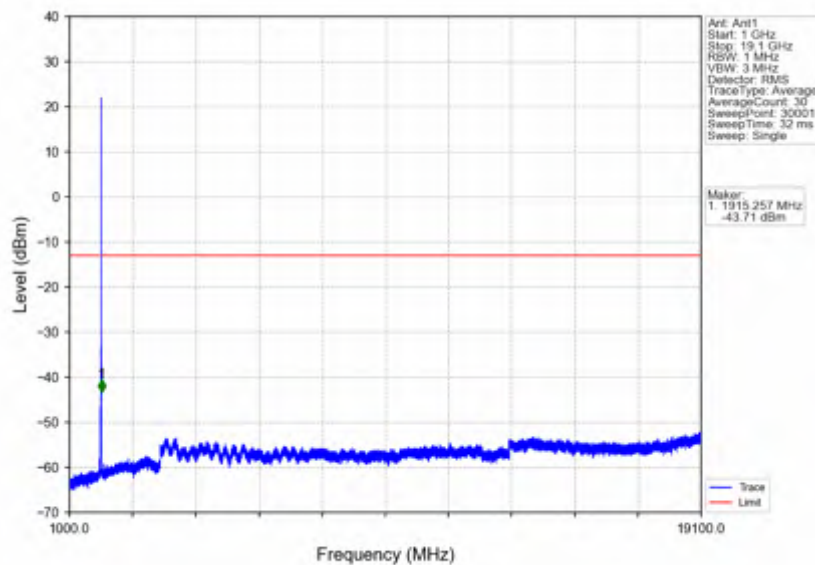
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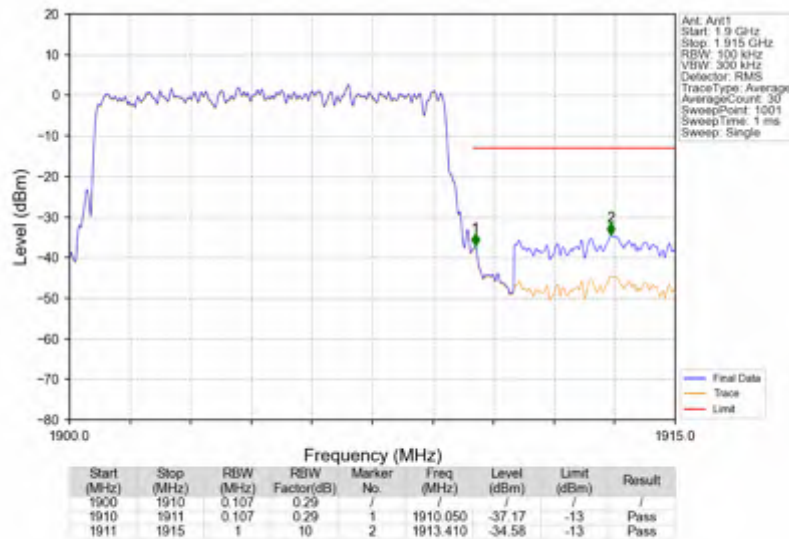
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1905MHz_Outer_Full



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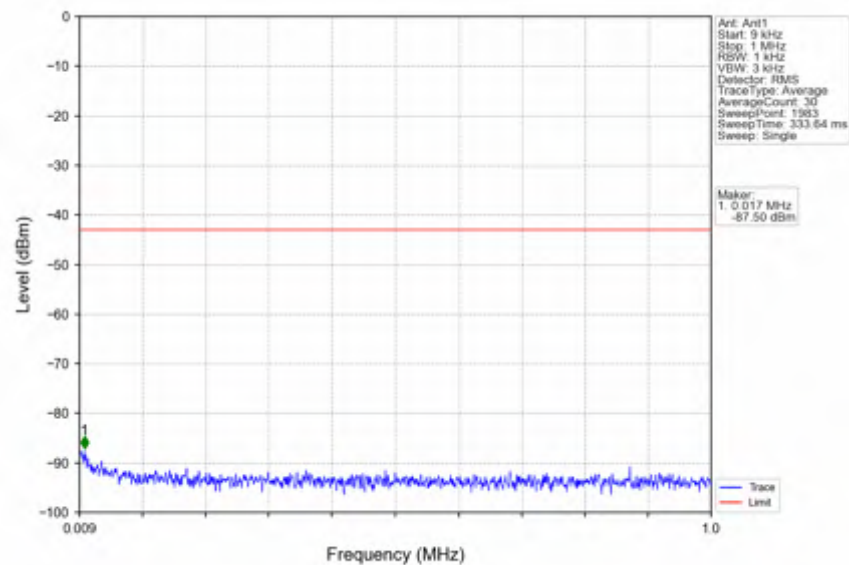
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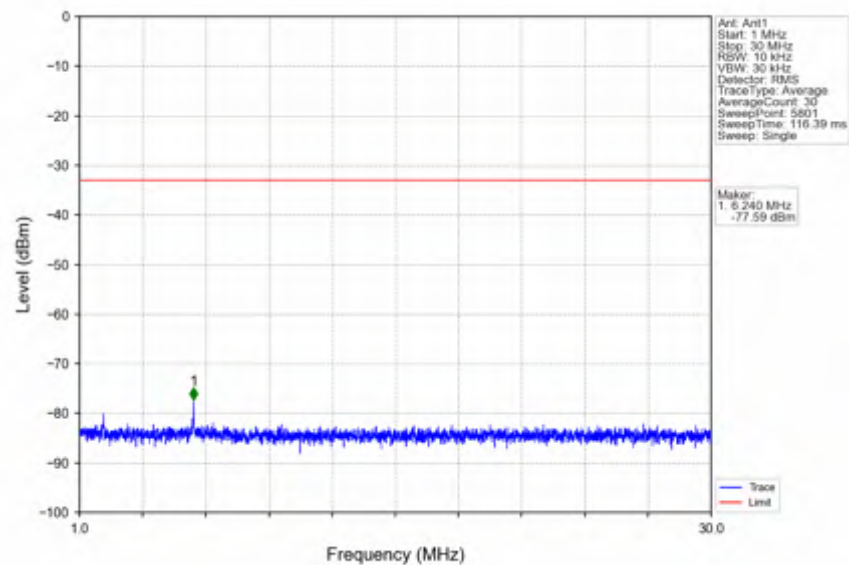
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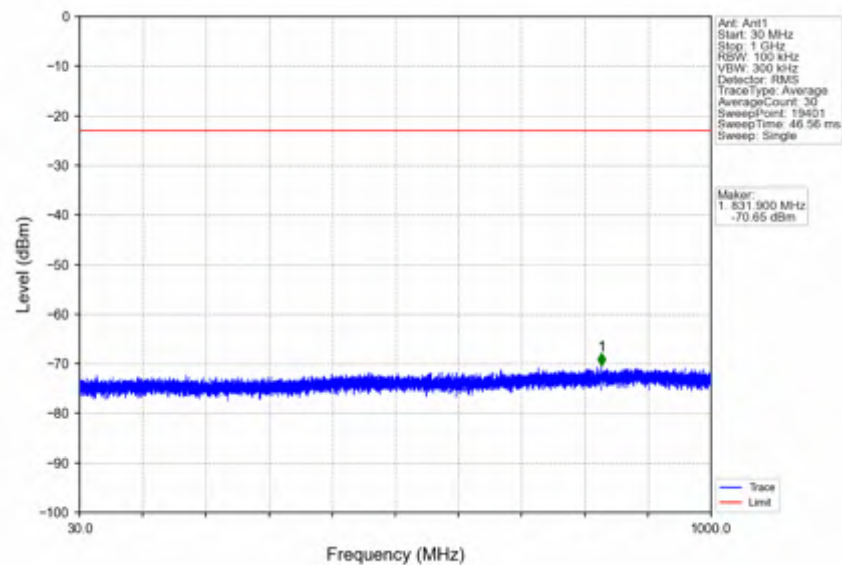


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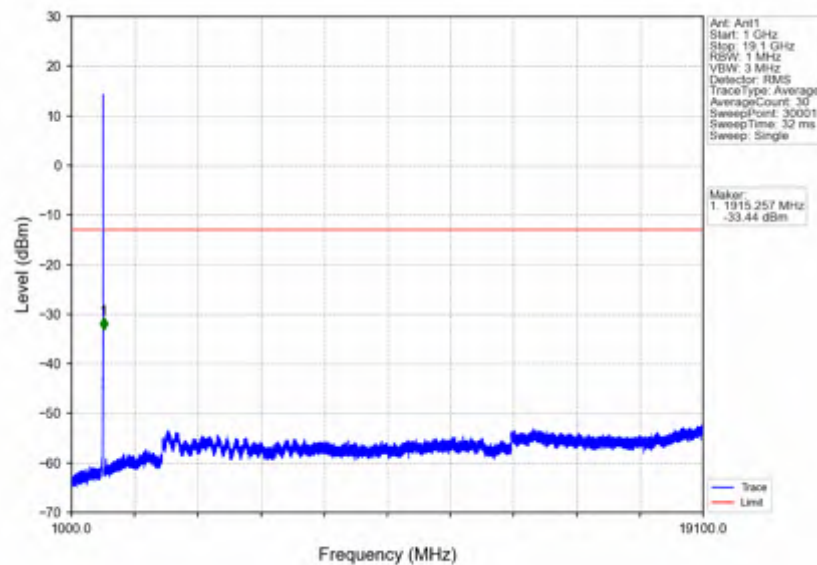
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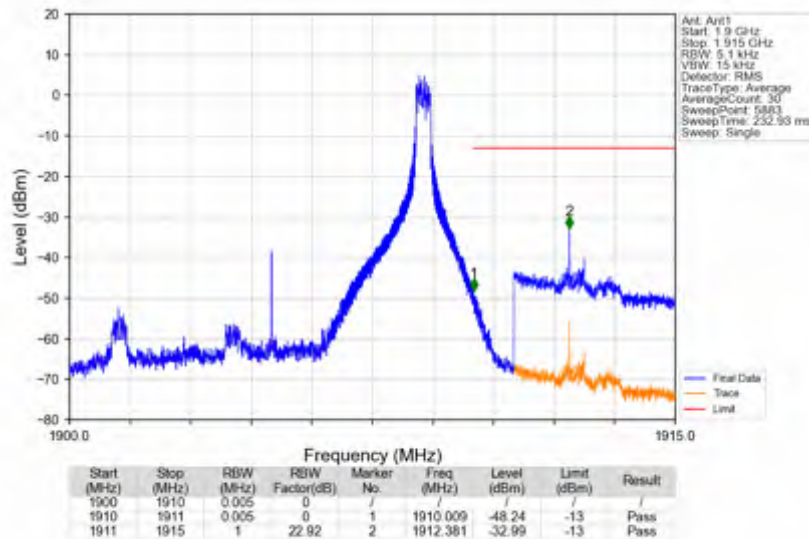


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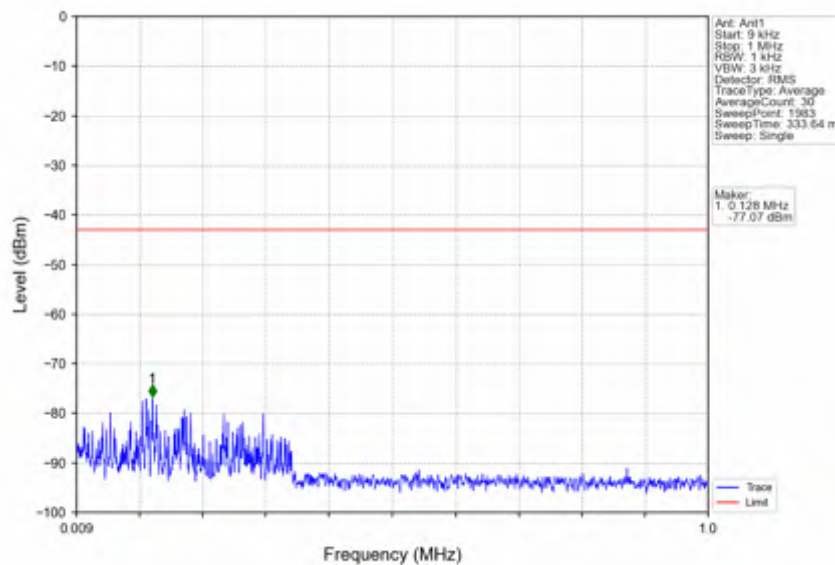
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1905MHz_Inner_1RB_Right

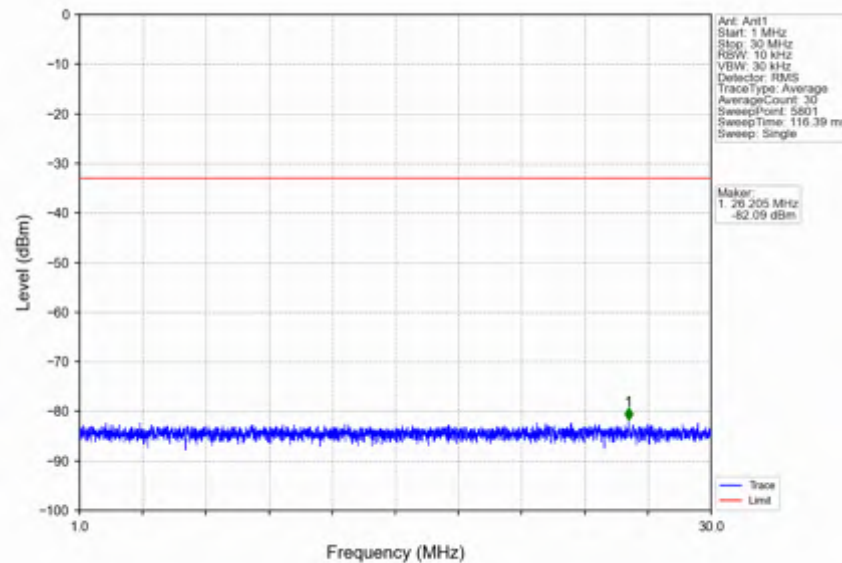


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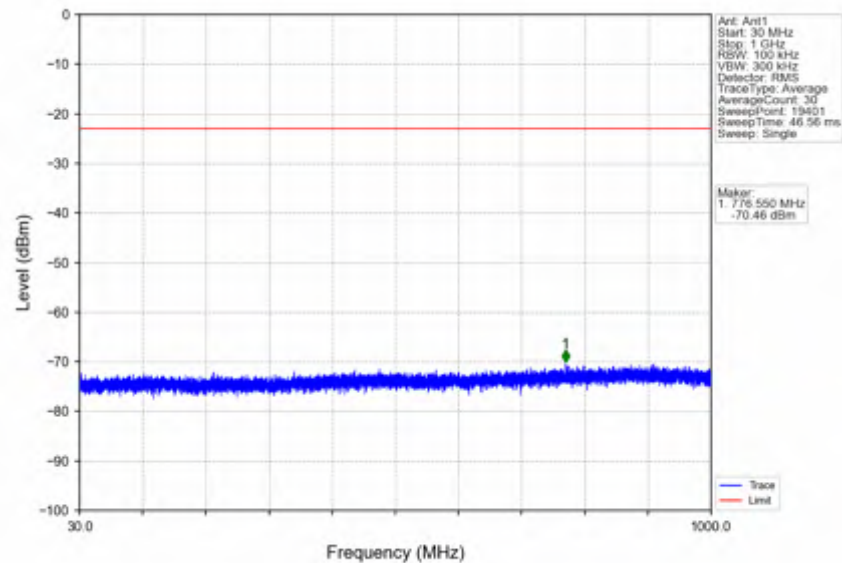
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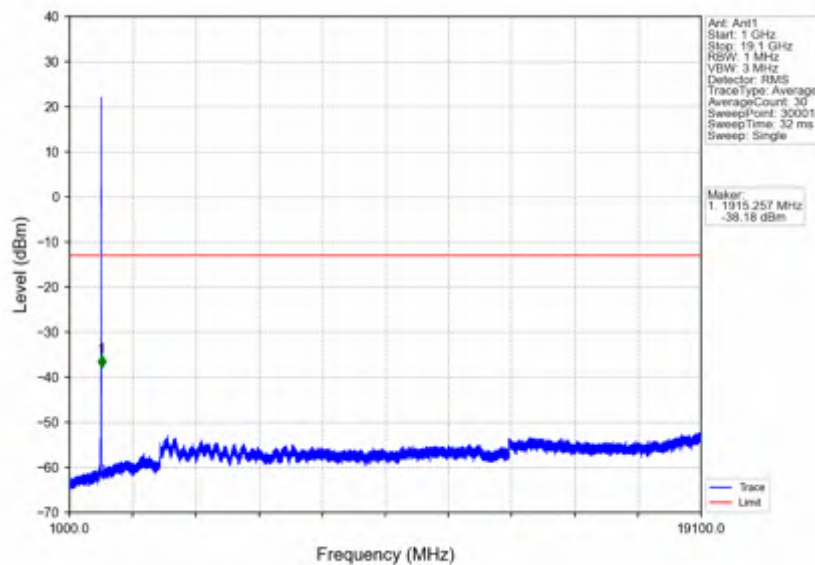
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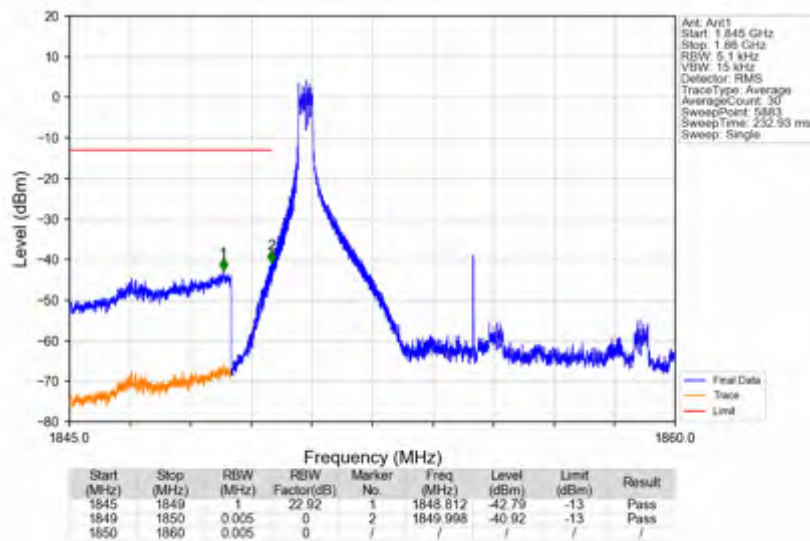
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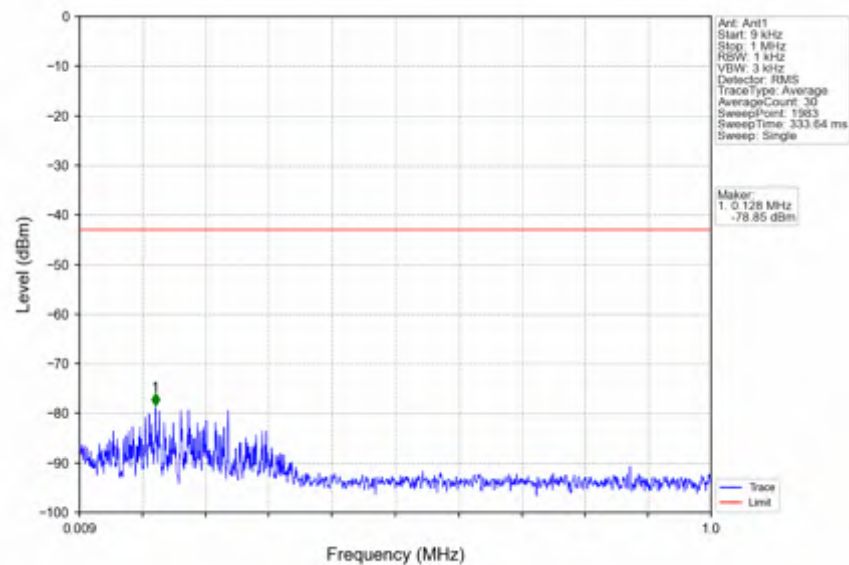
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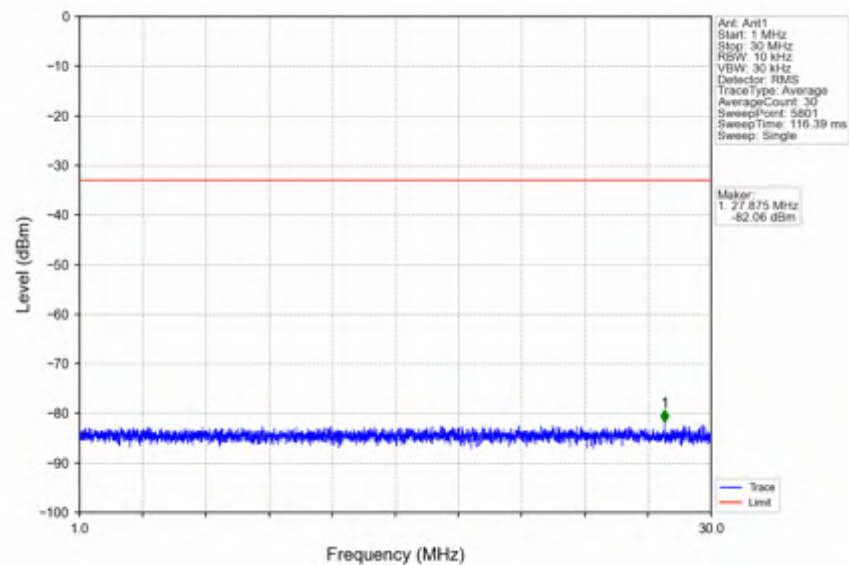
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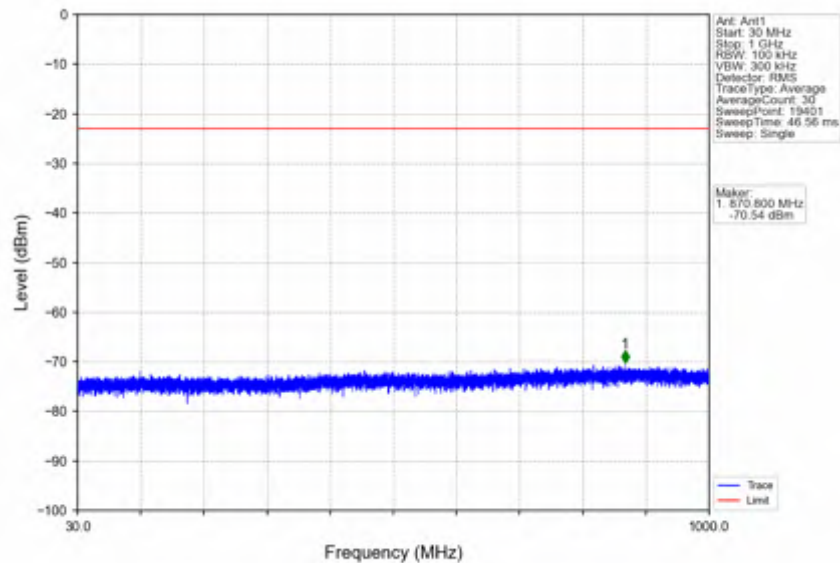
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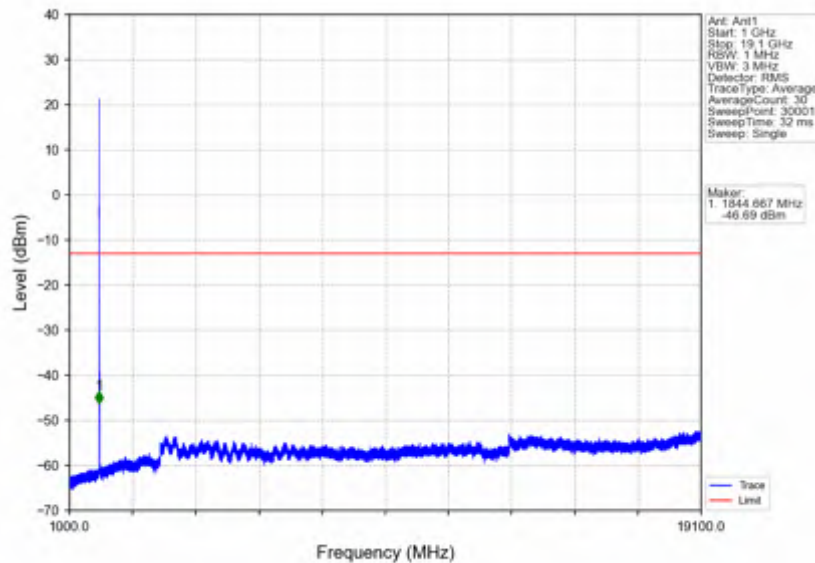
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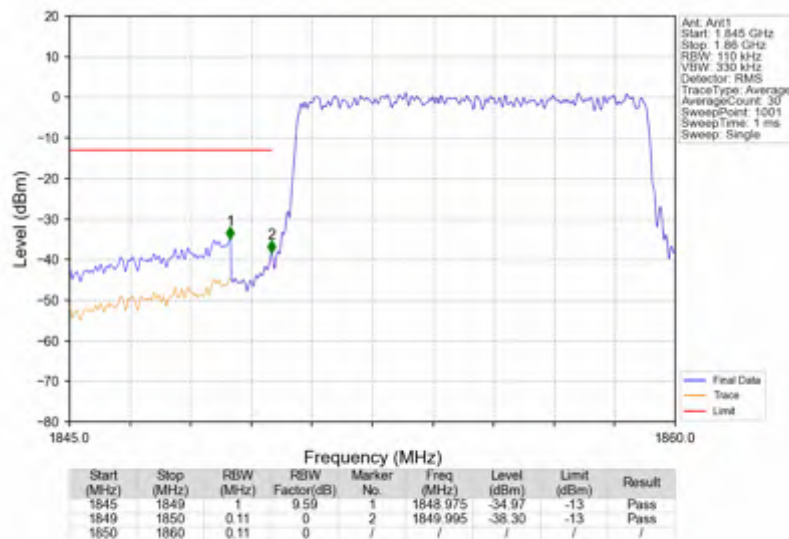
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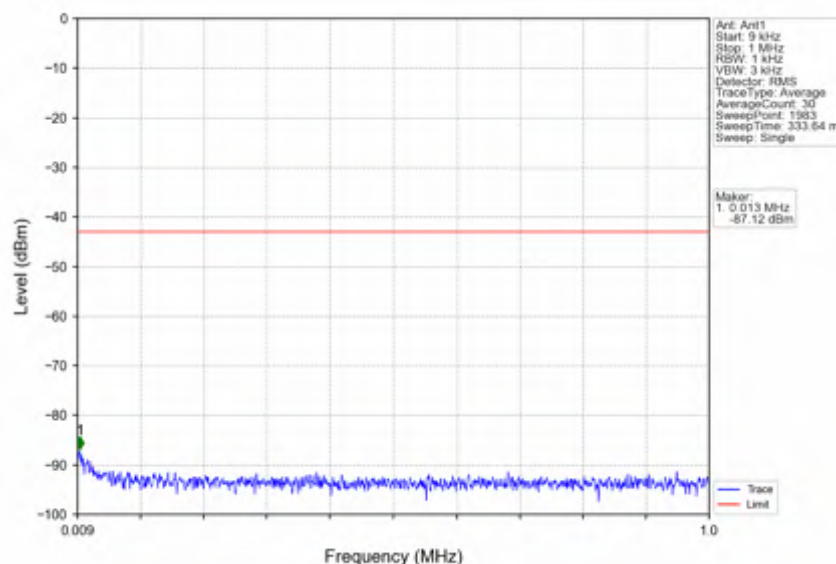
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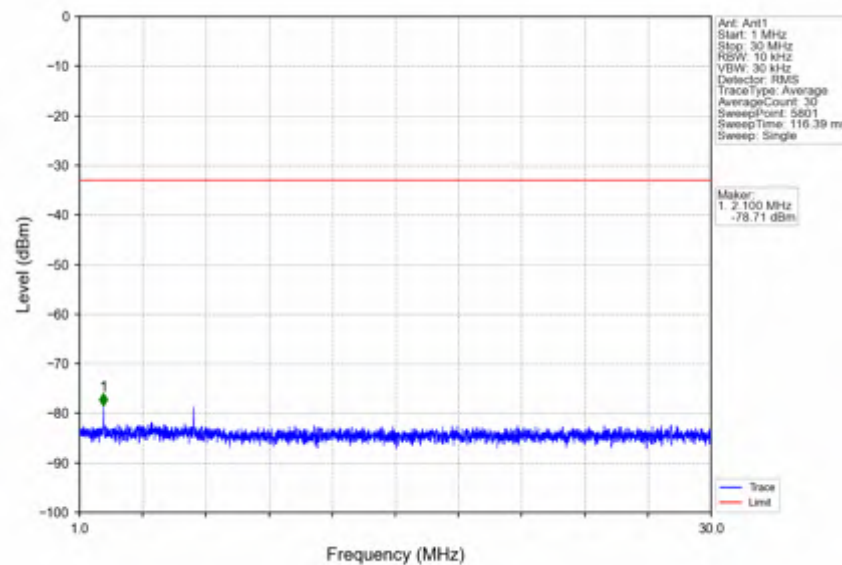


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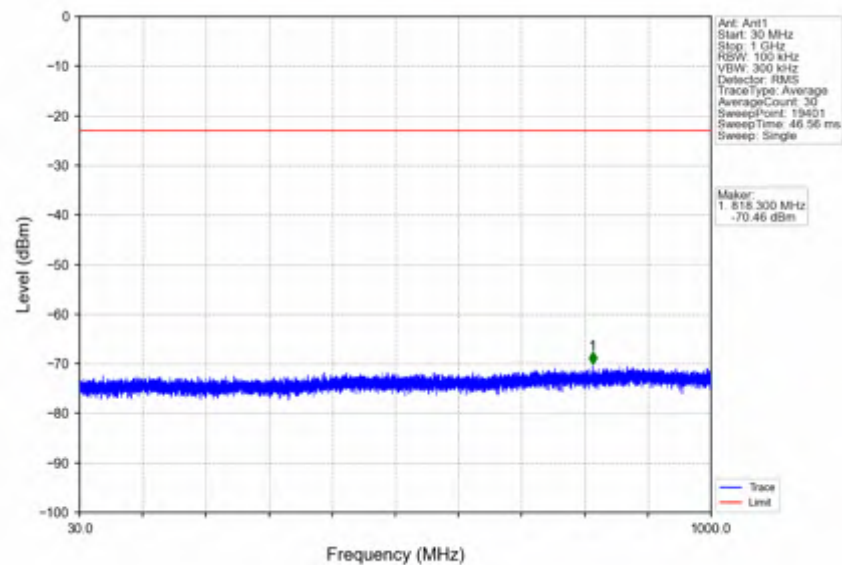
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_1855MHz_Outer_Full



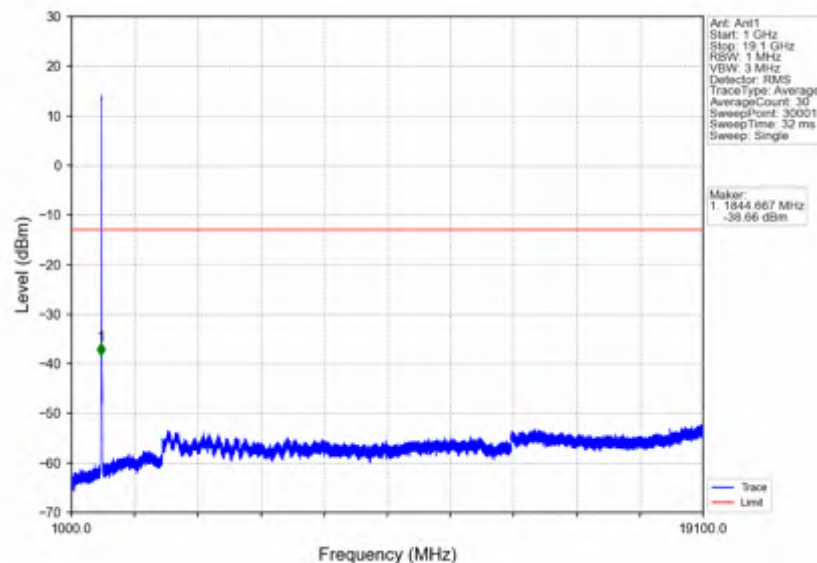
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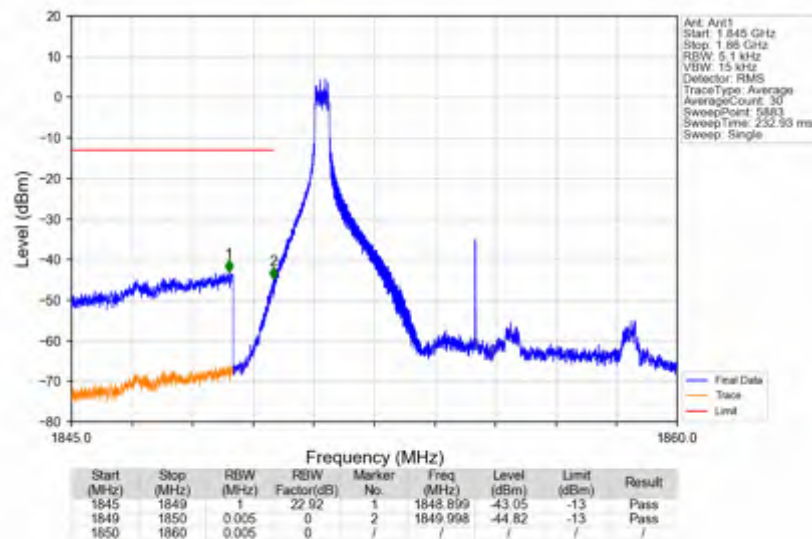
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_1855MHz_Outer_Full



n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_1855MHz_Inner_1RB_Left



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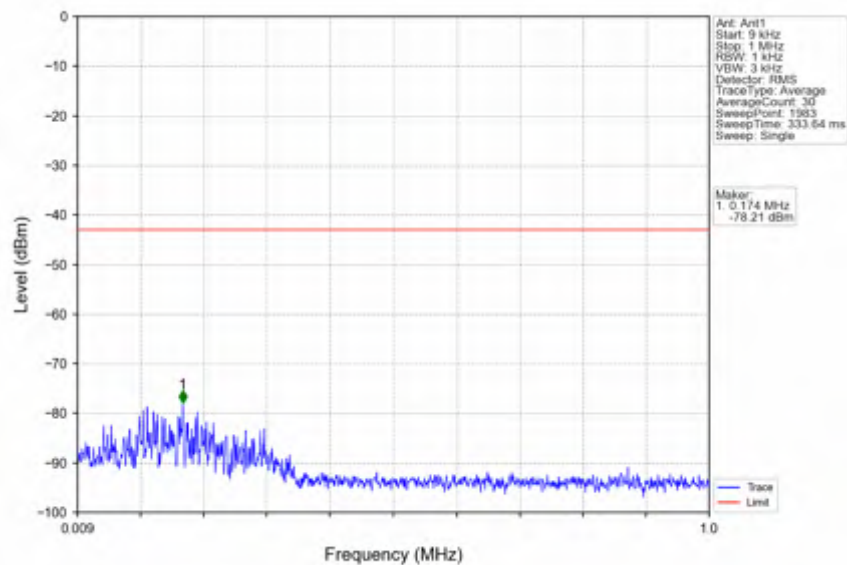
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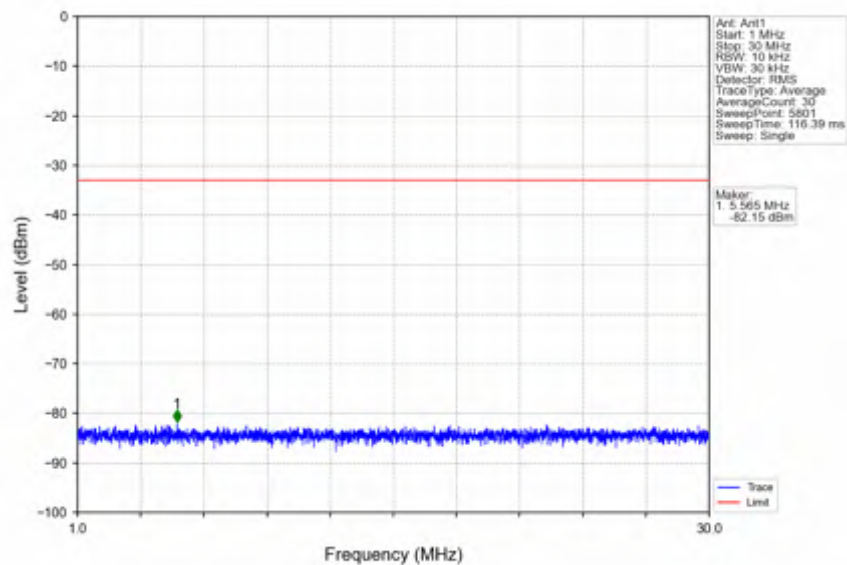
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_1855MHz_Inner_1RB_Left



n2	30kHz	SISO	NTNV	10MHz	DFT-s-OFDM	QPSK	1855MHz	Inner	1RB	Left
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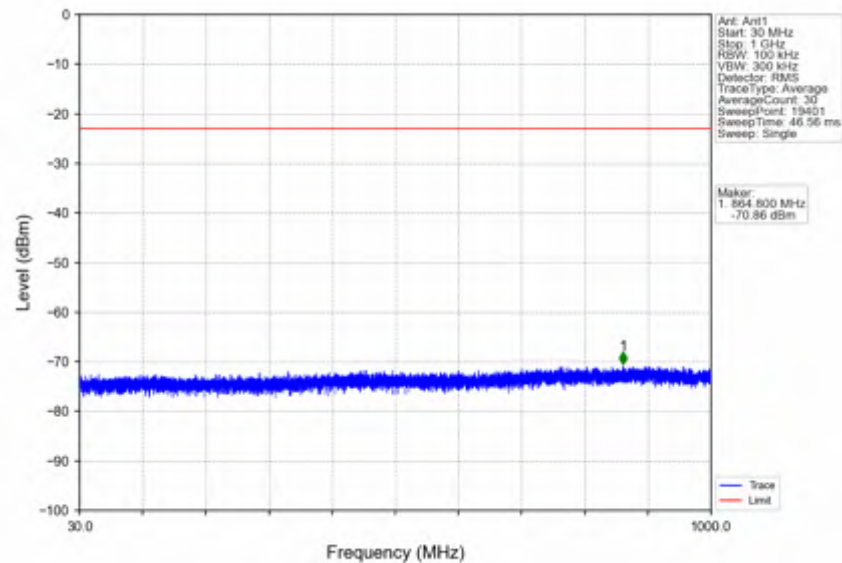


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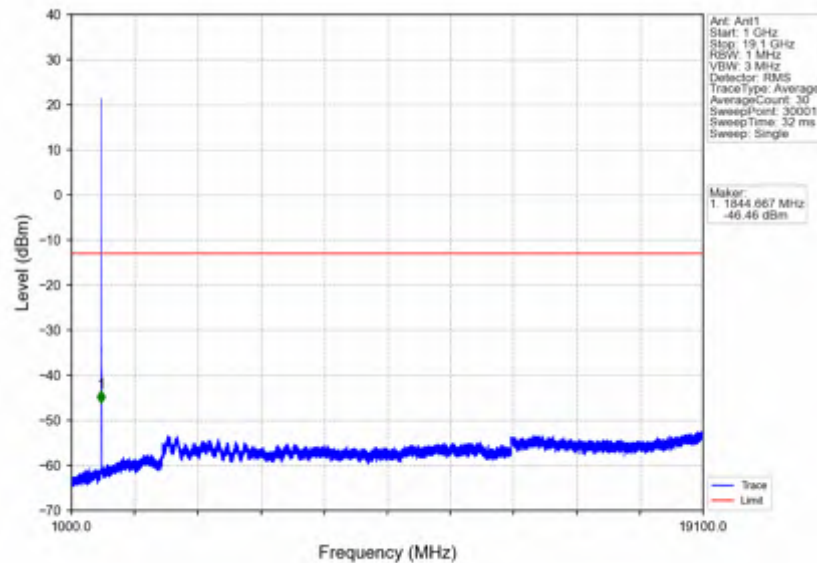
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1855MHz_Inner_1RB_Left



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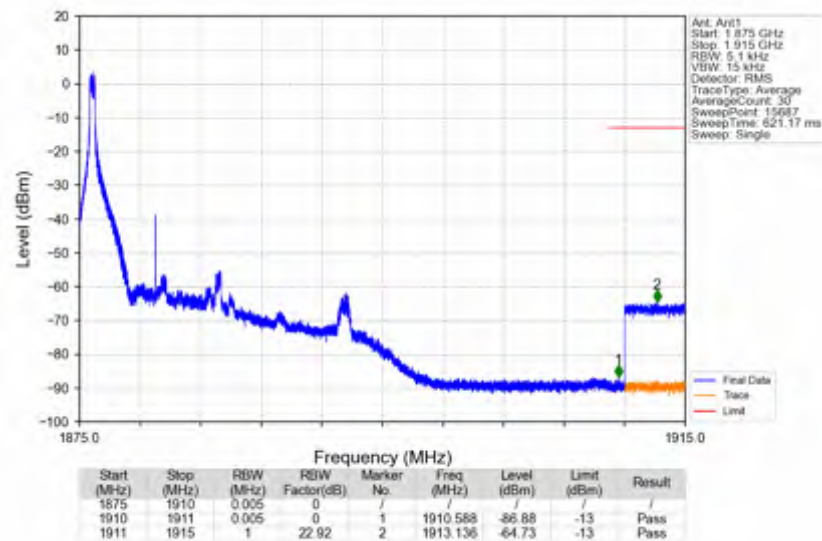
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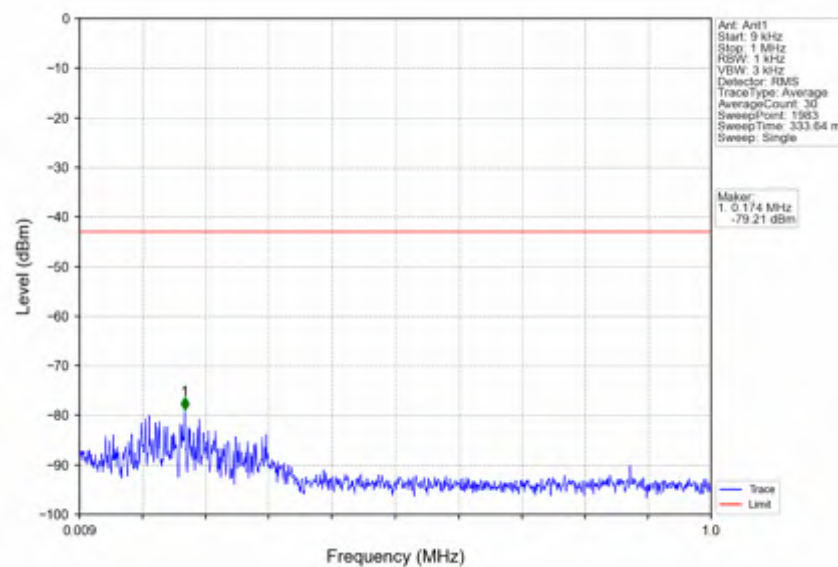
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1880MHz_Edge_1RB_Left



n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1880MHz_Edge_1RB_Left



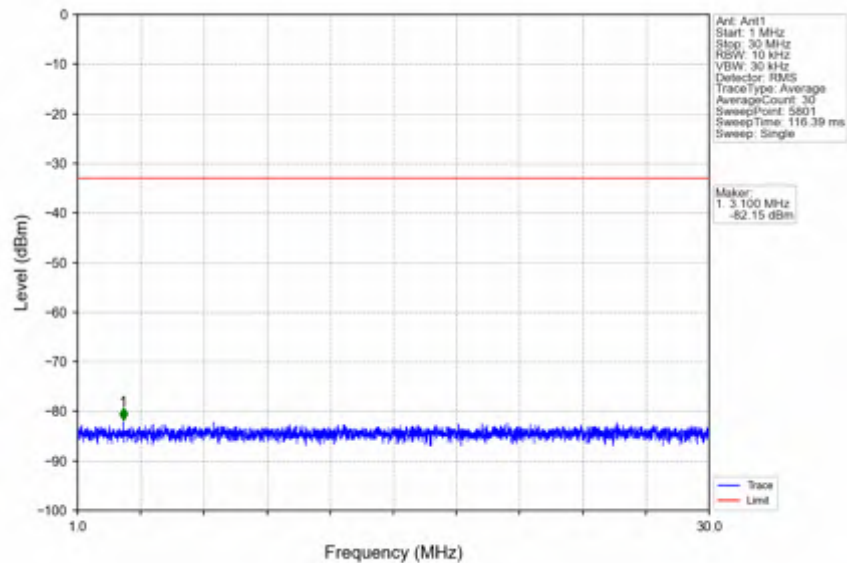
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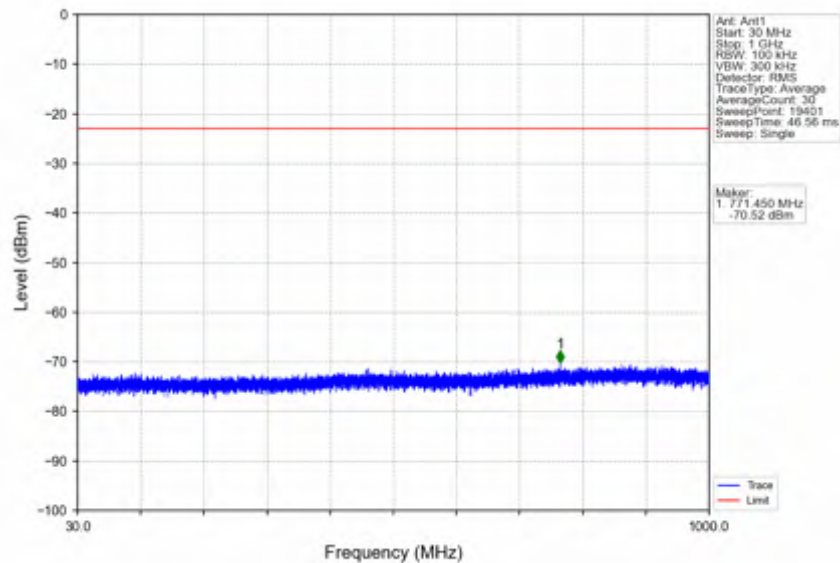
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1880MHz_Edge_1RB_Left



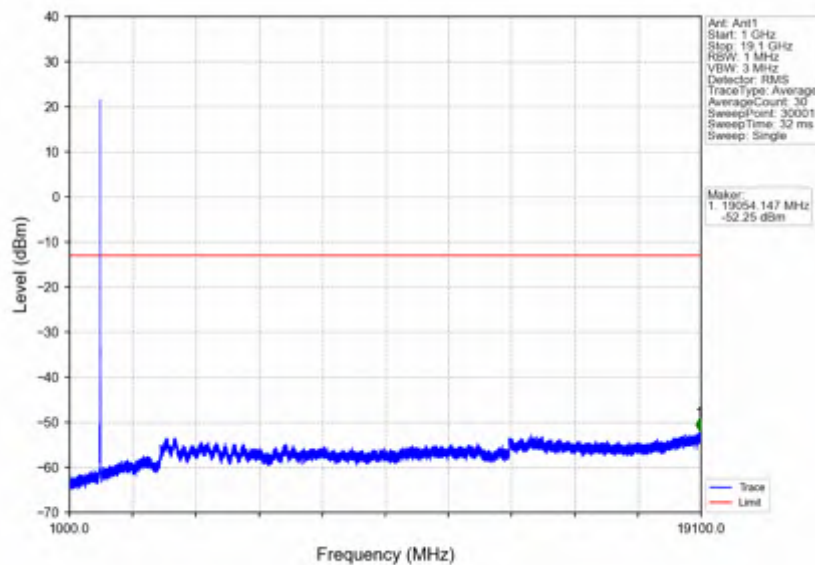
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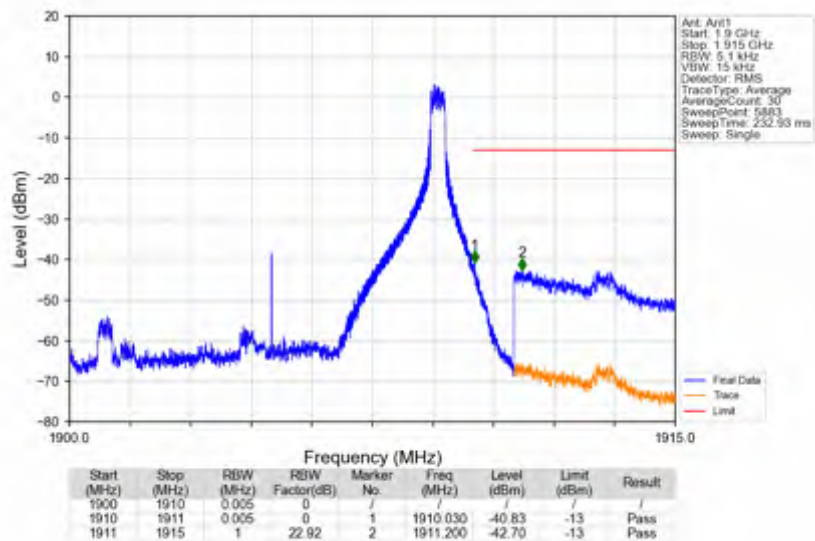
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1905MHz_Edge_1RB_Right



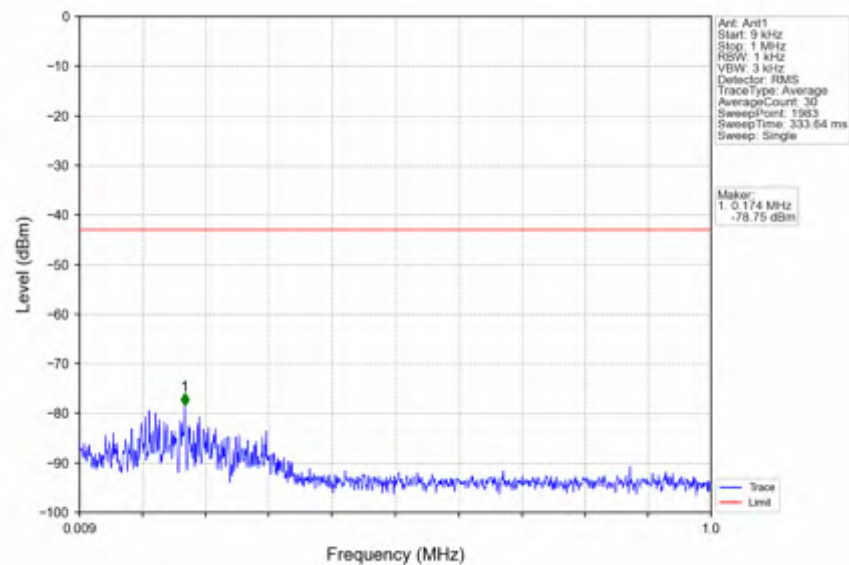
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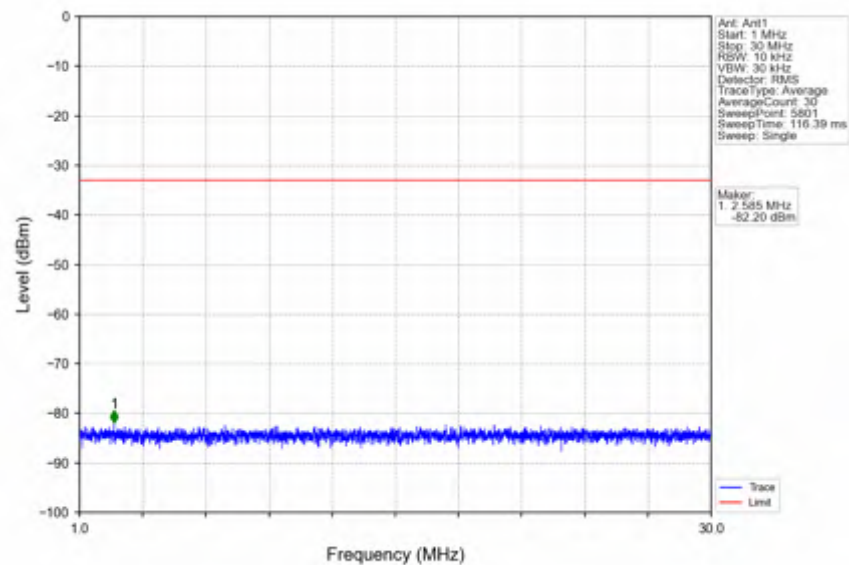
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n2 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 1905MHz Edge 1RB Right

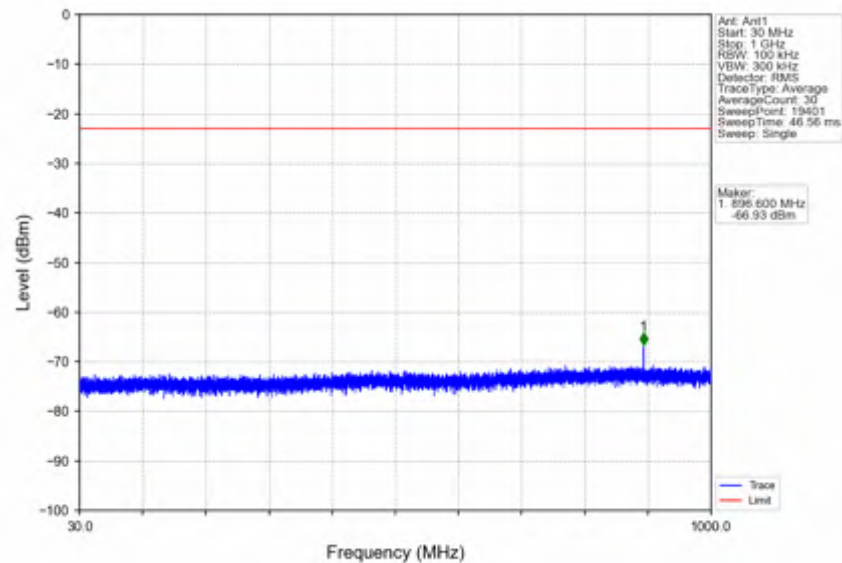


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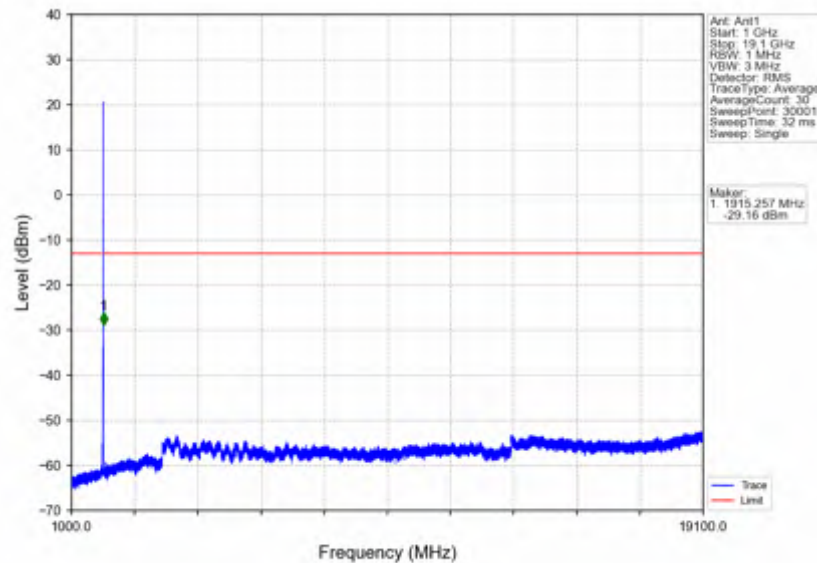
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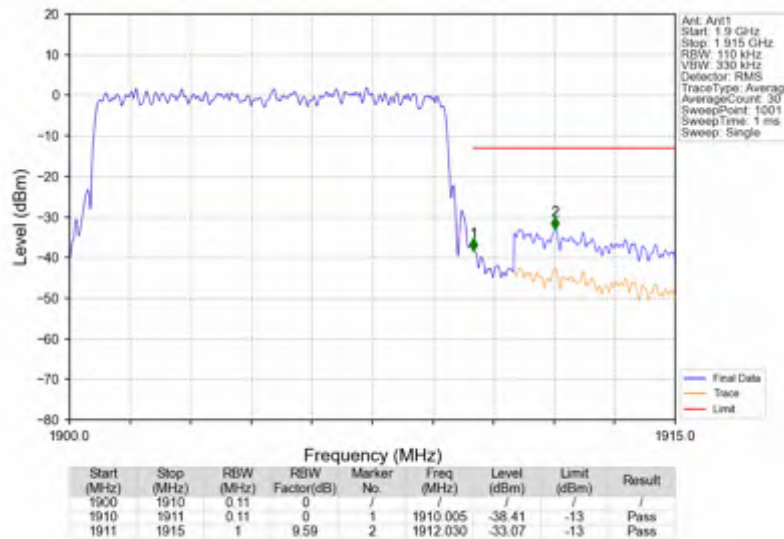
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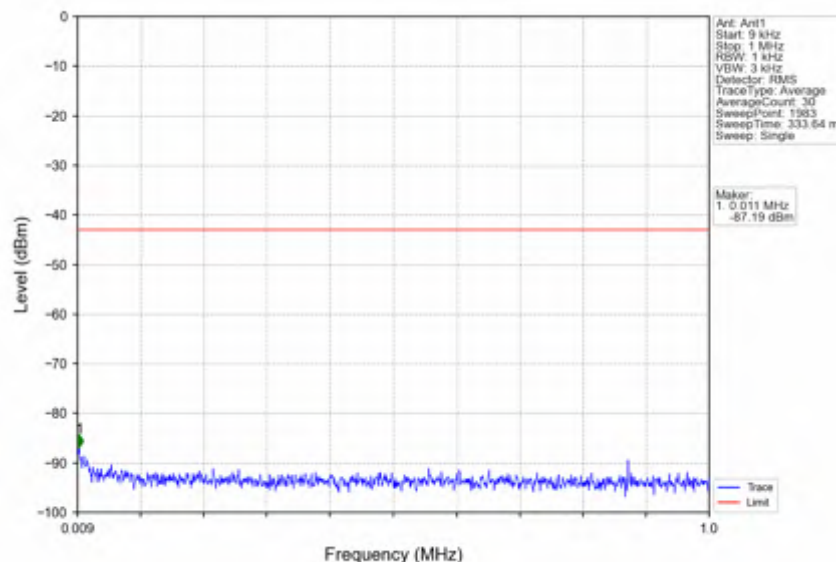
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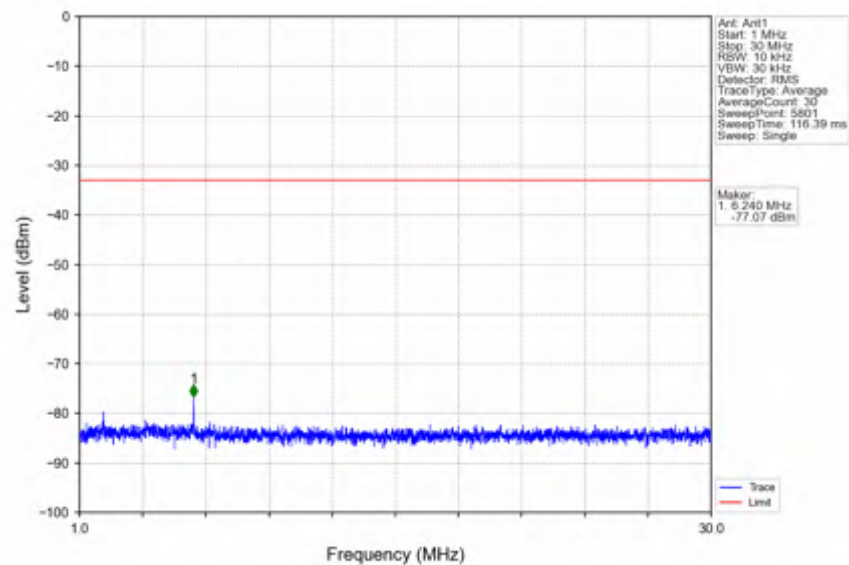
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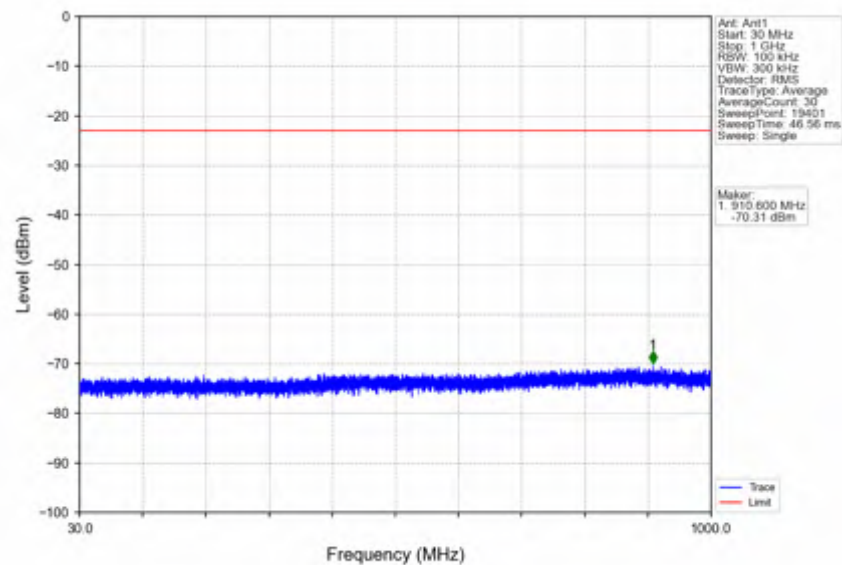
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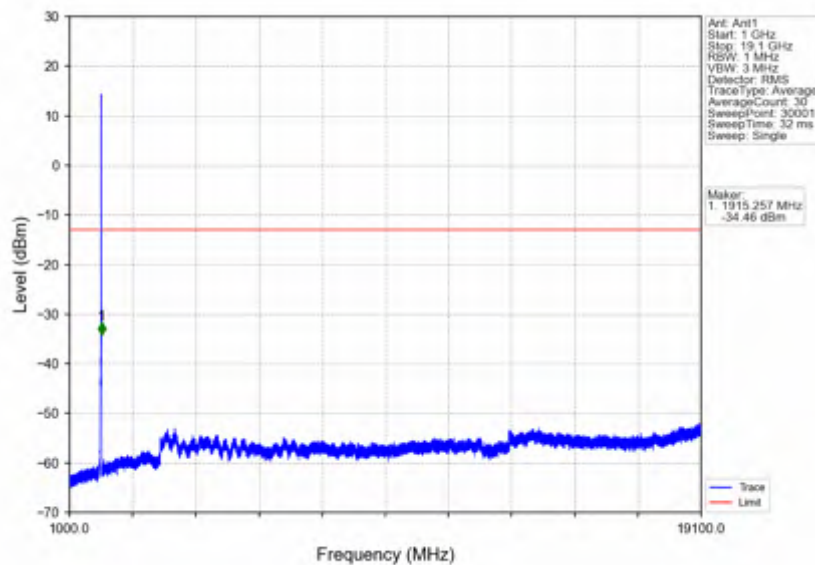
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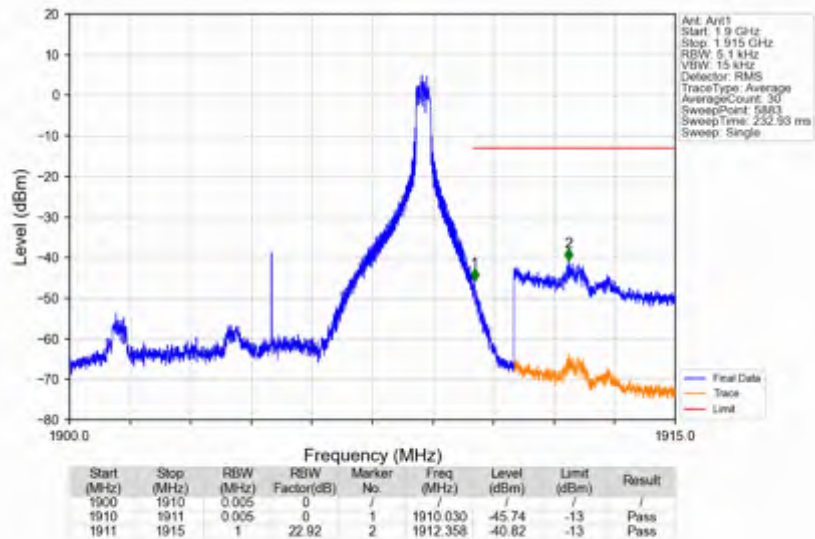
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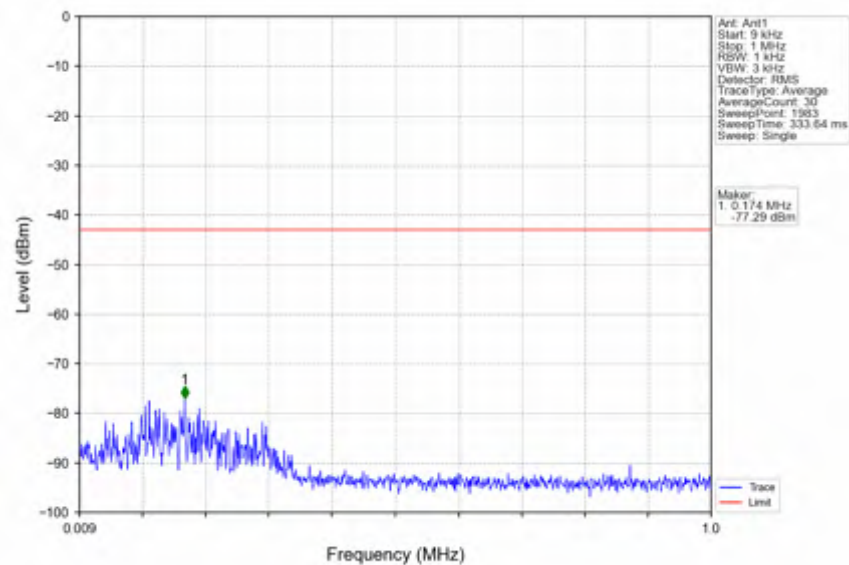
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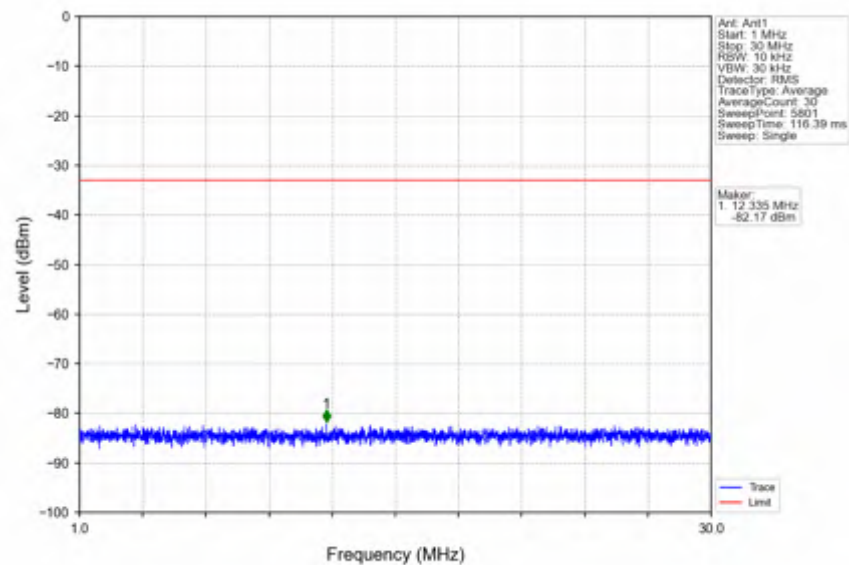
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_1905MHz_Inner_1RB_Right



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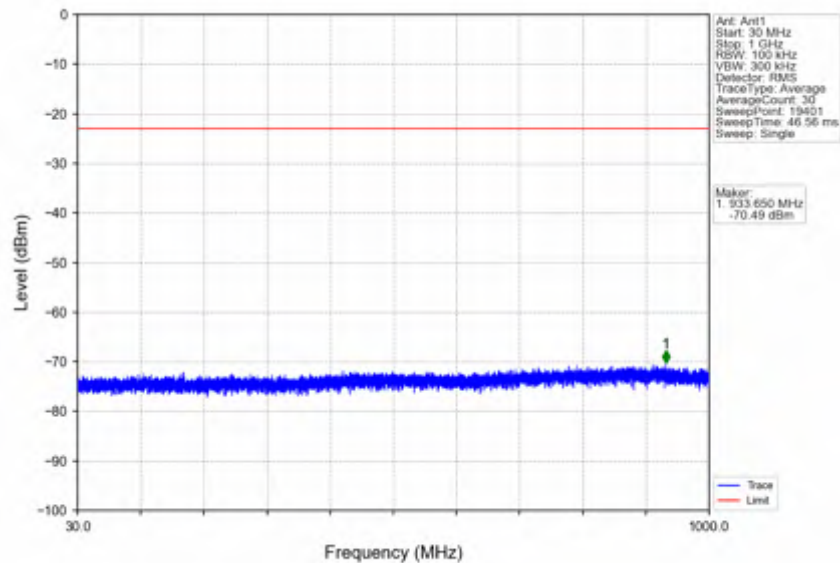
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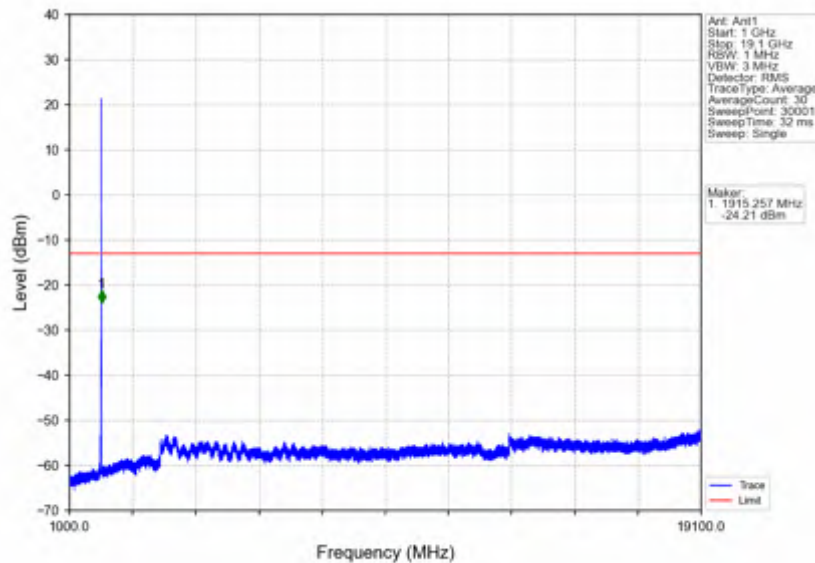
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n2_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_1905MHz_Inner_1RB_Right



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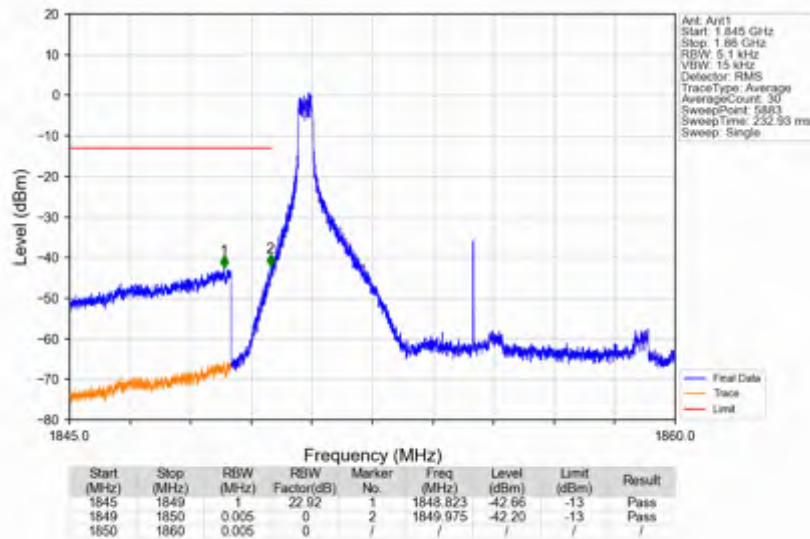
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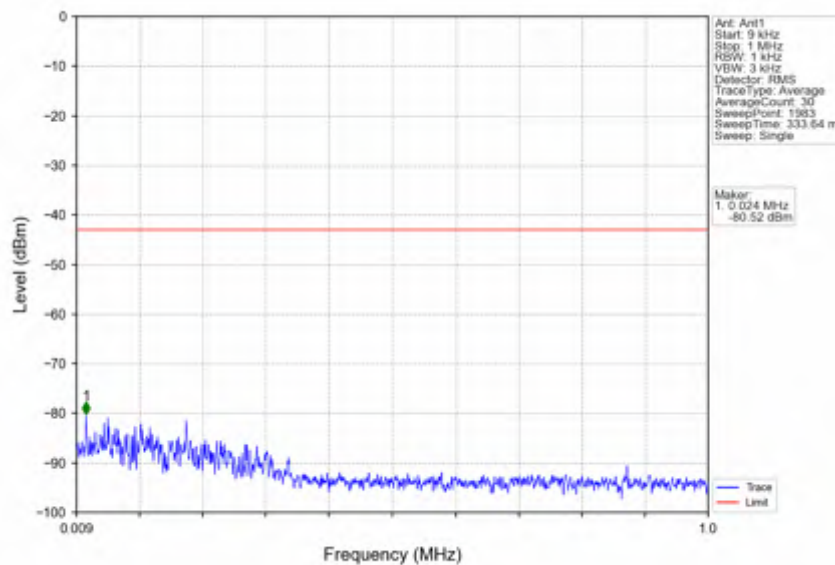
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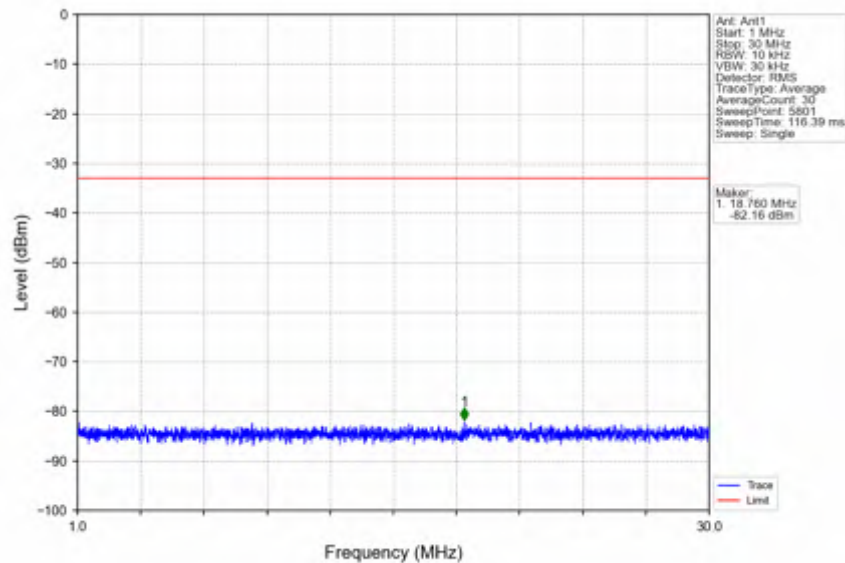
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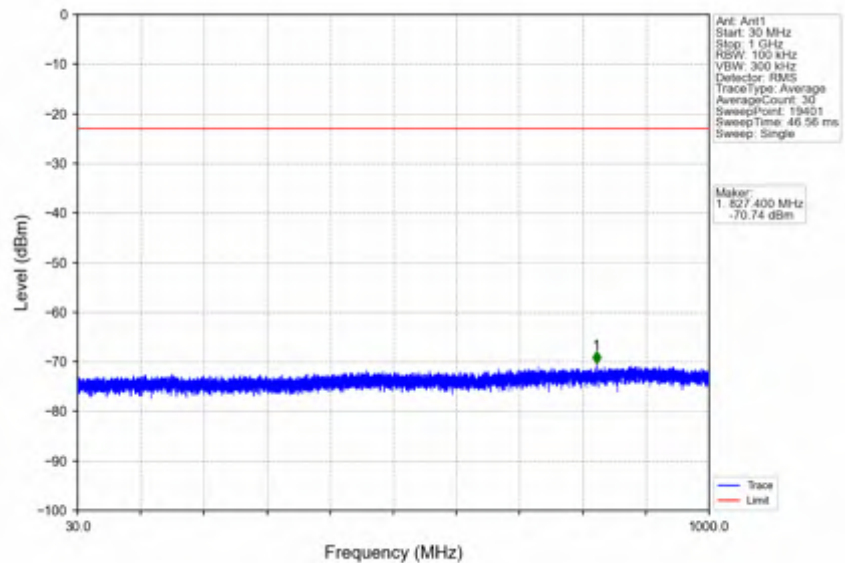
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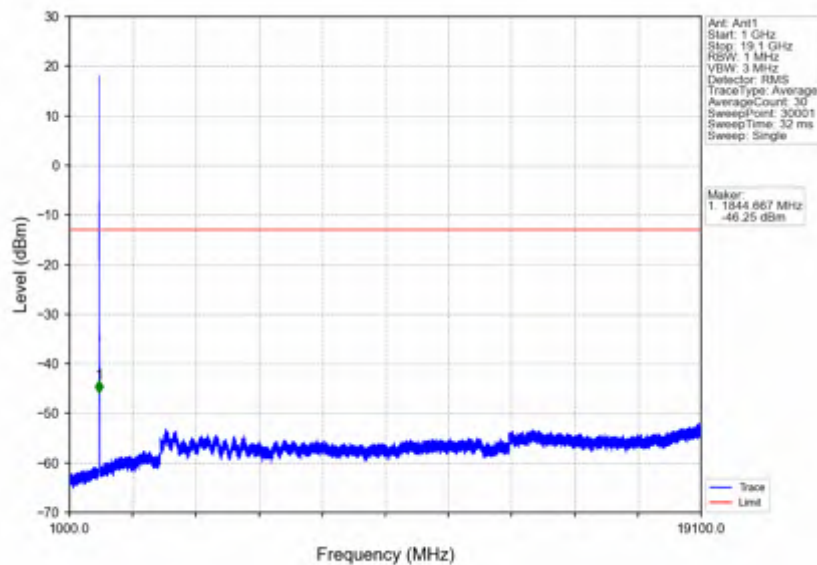
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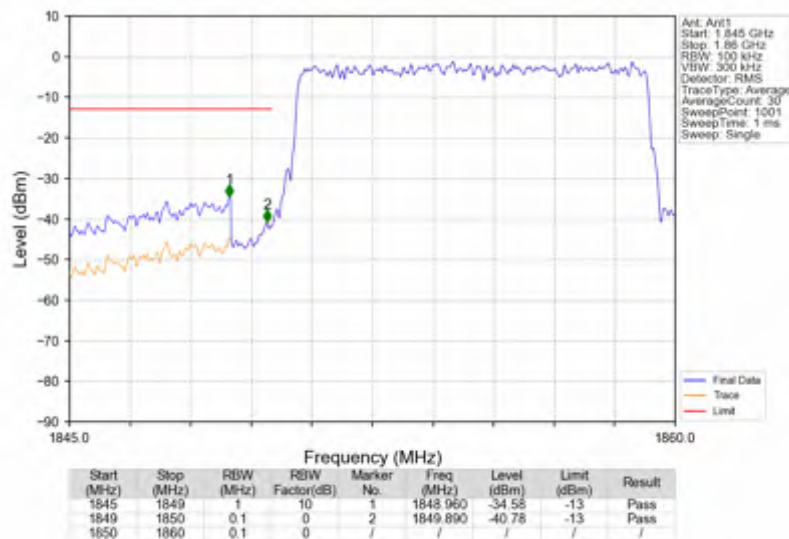
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n2_30kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1855MHz_Outer_Full

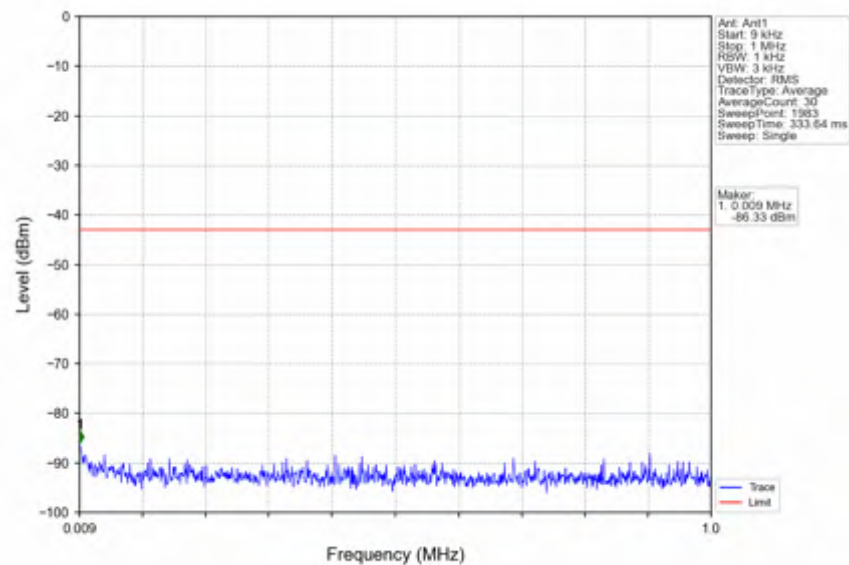


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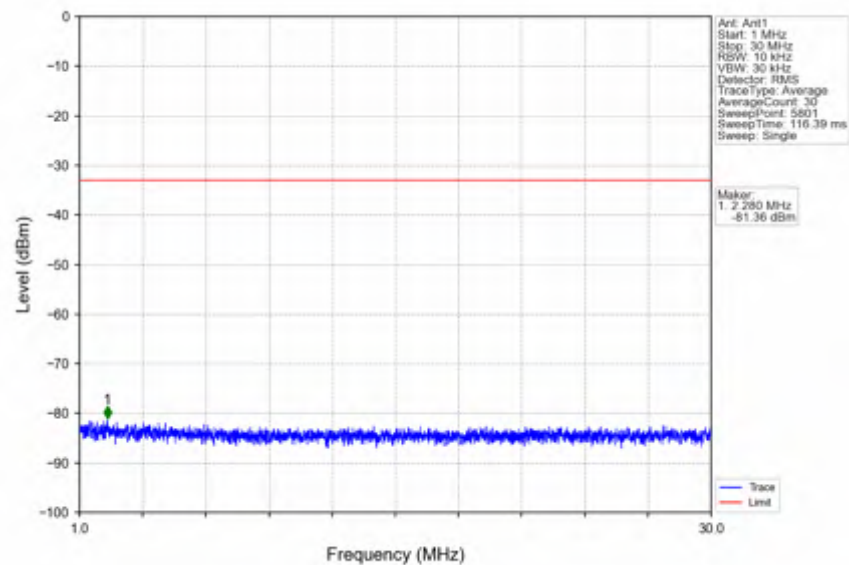
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n2 30kHz SISO NTV 10MHz CP-OFDM QPSK 1855MHz Outer Full



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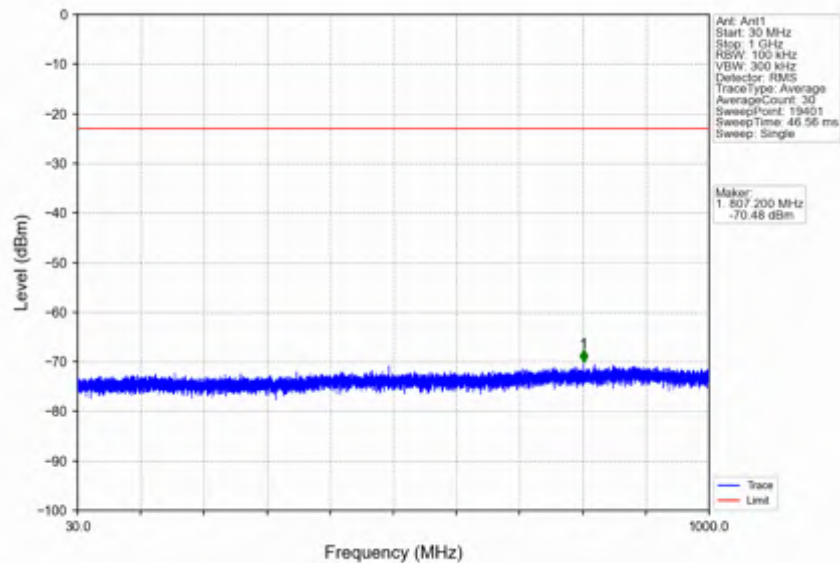
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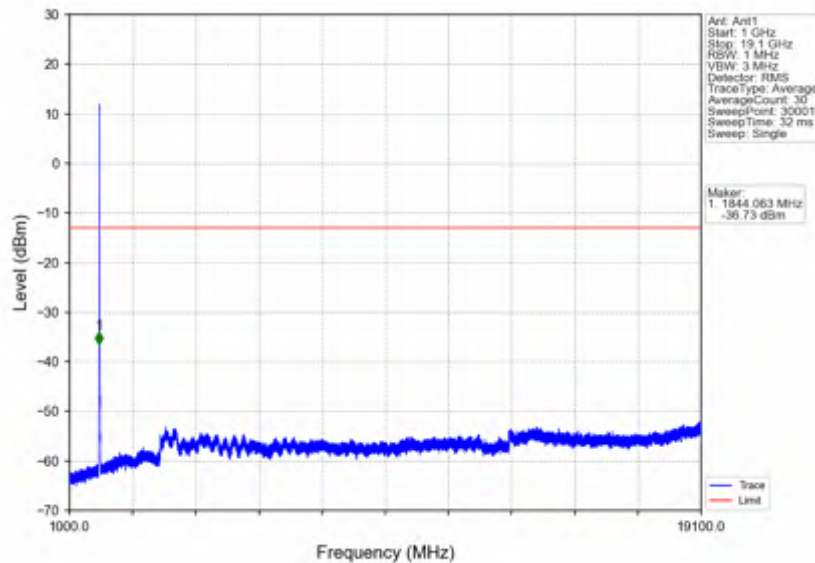
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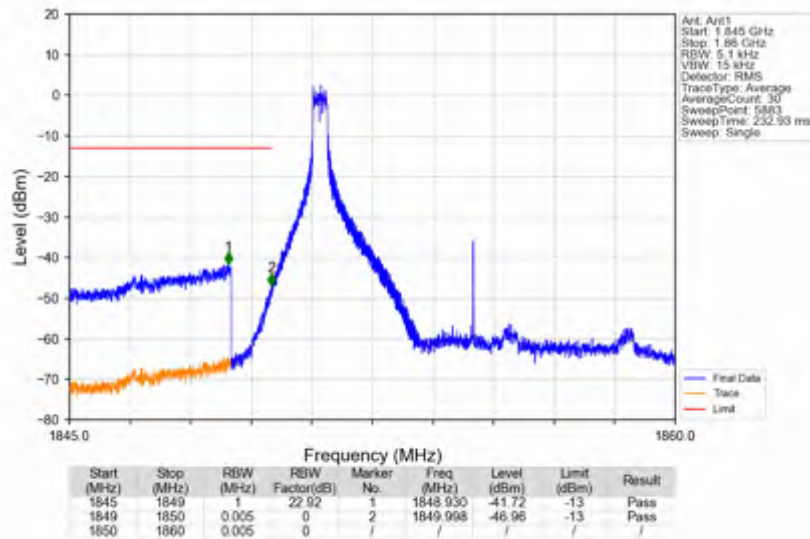
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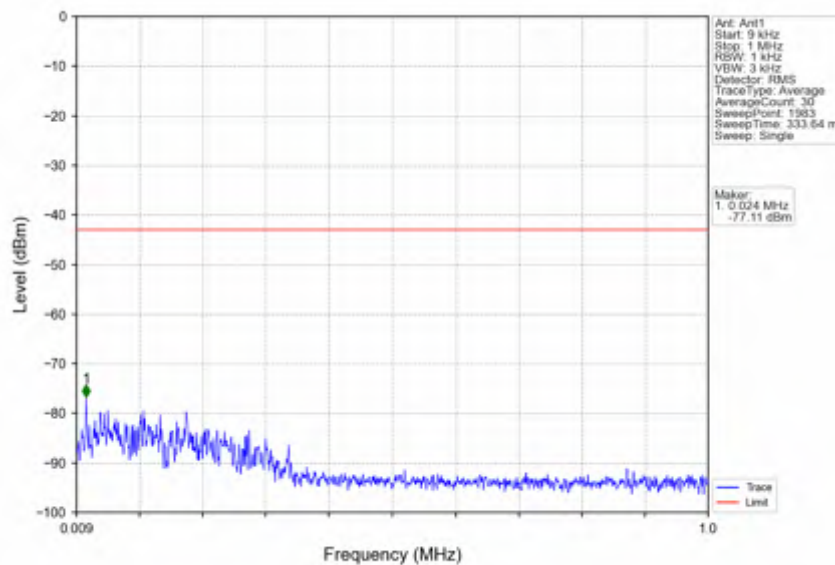
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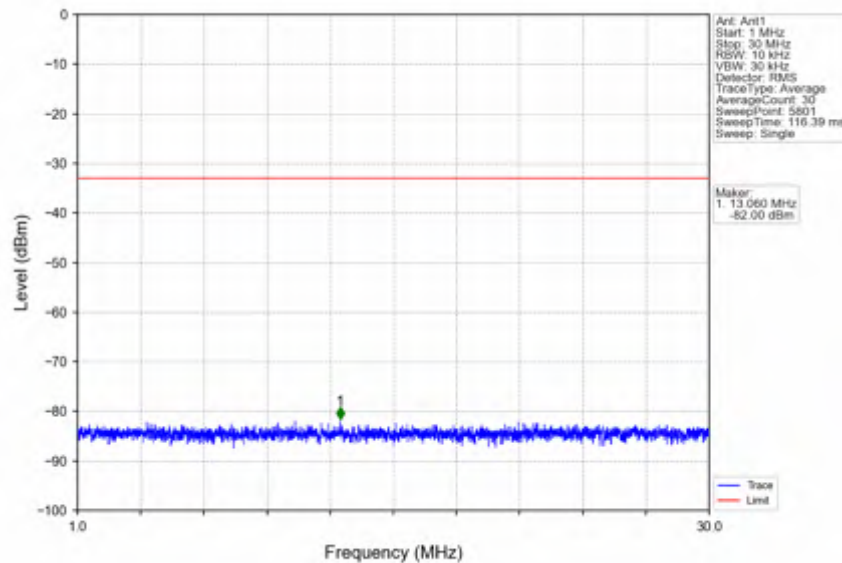
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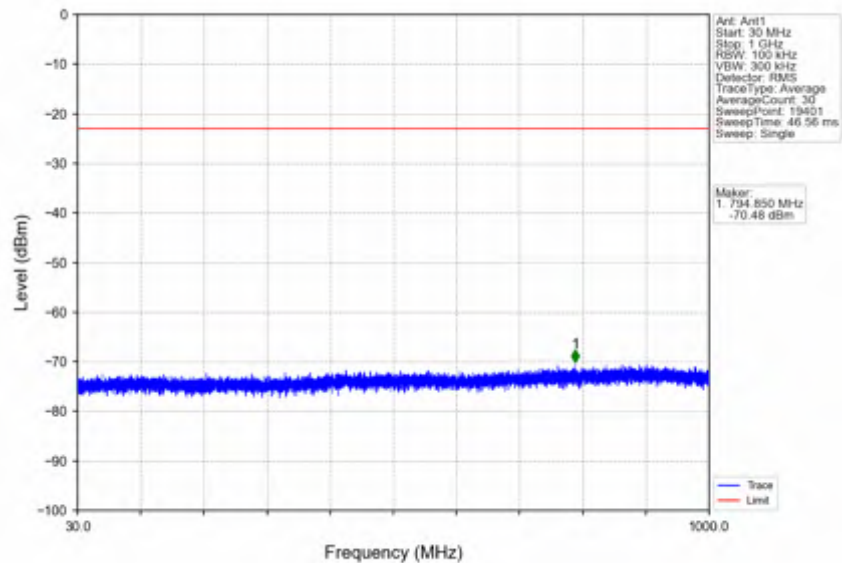
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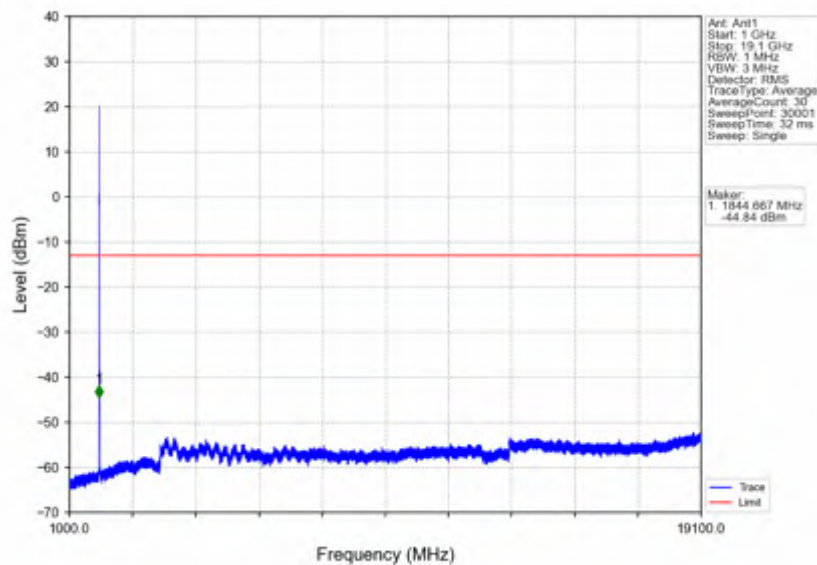
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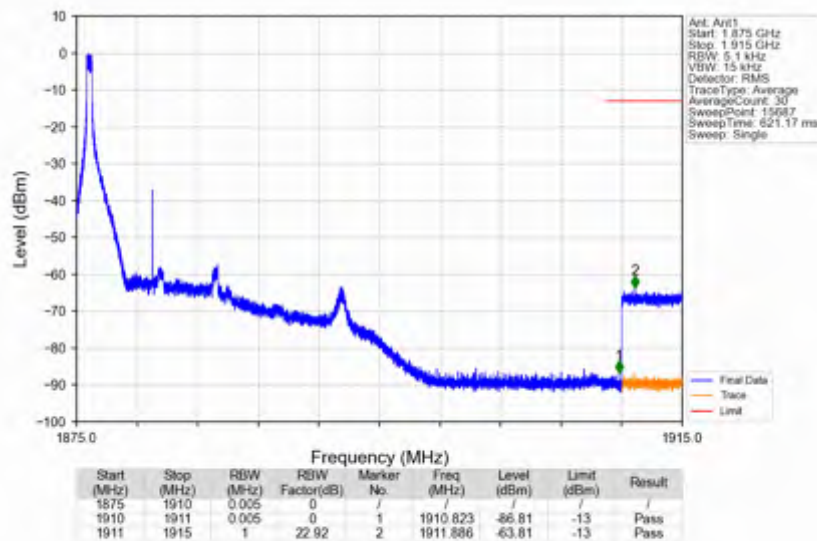
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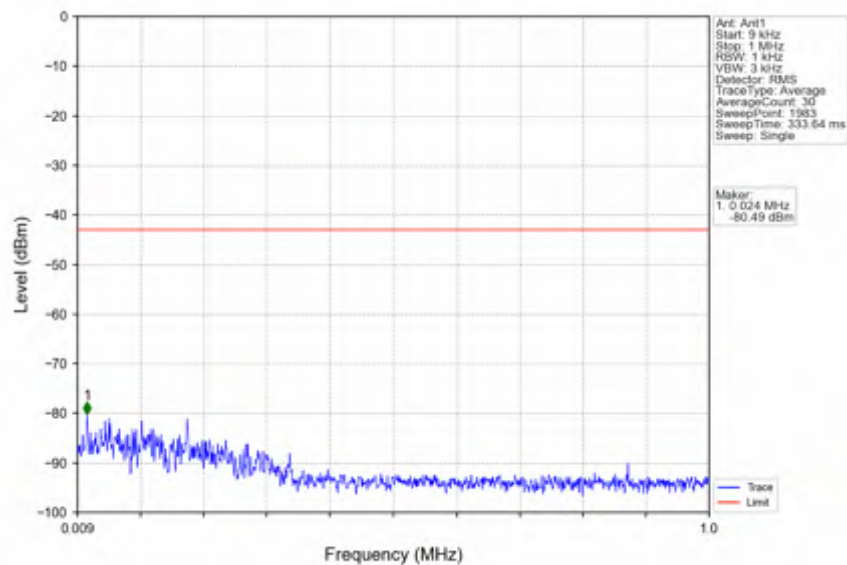
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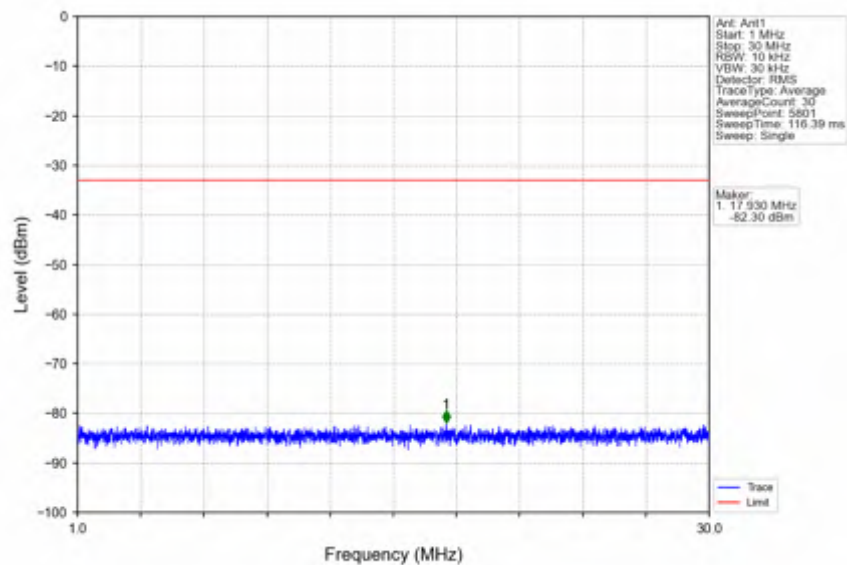
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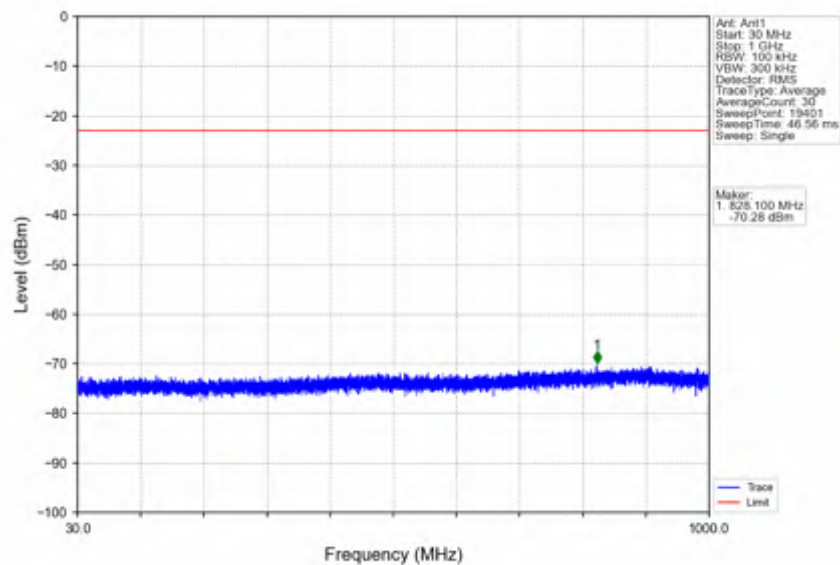
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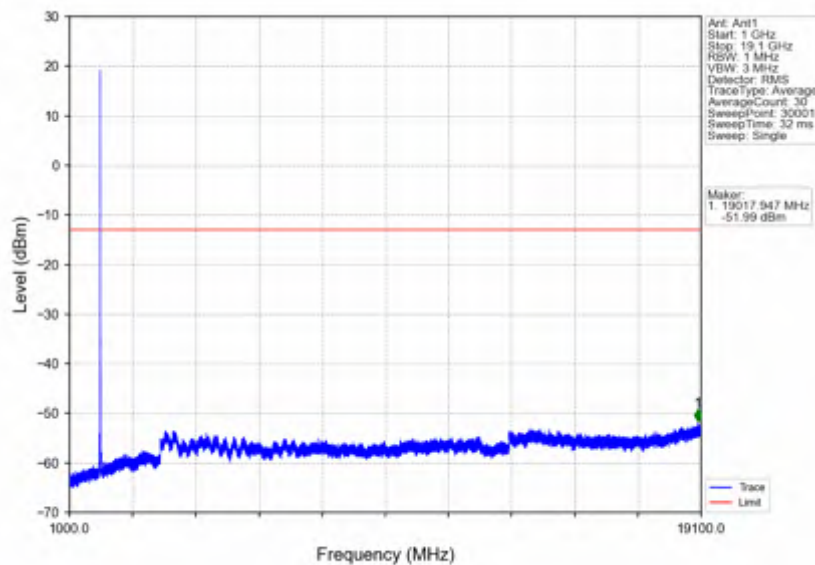
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n2_30kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1880MHz_Edge_1RB_Left



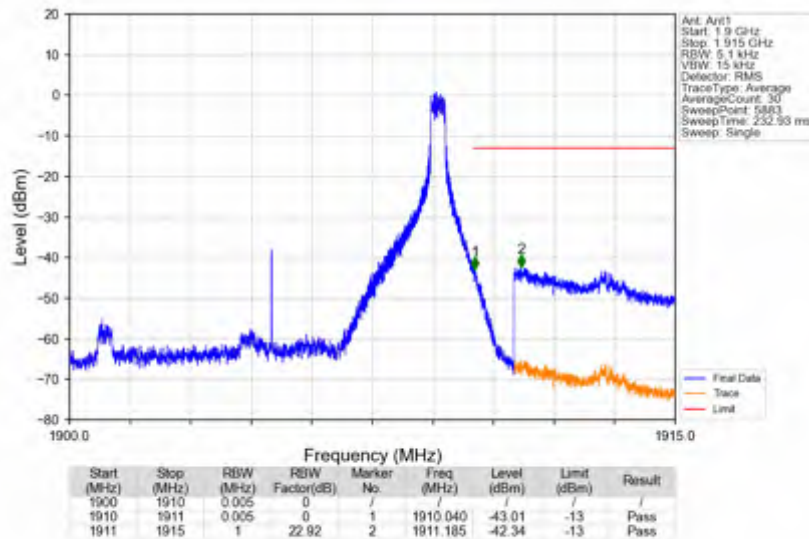
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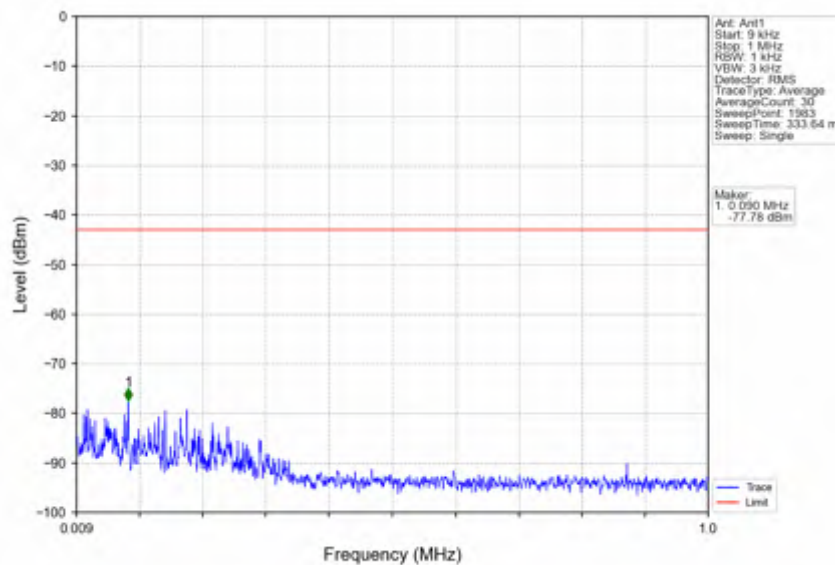
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n2_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_1905MHz_Edge_1RB_Right



n2_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_1905MHz_Edge_1RB_Right

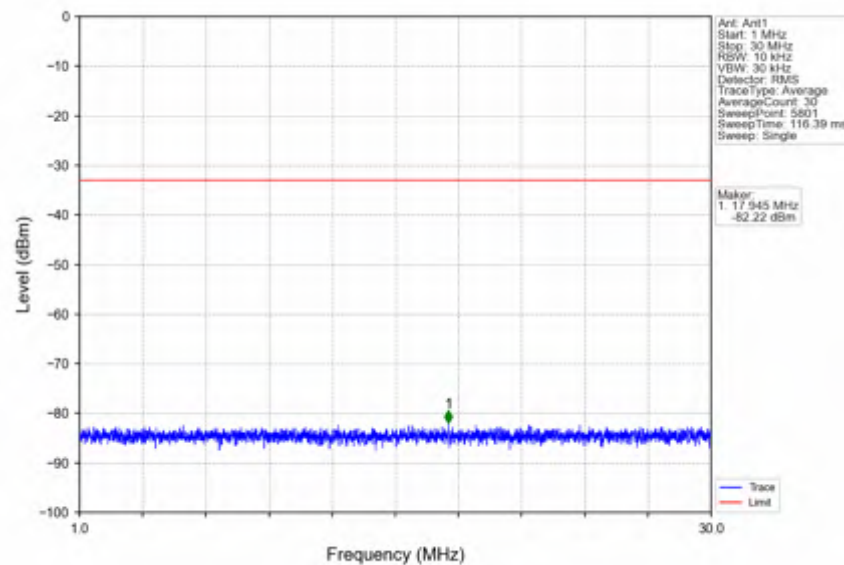


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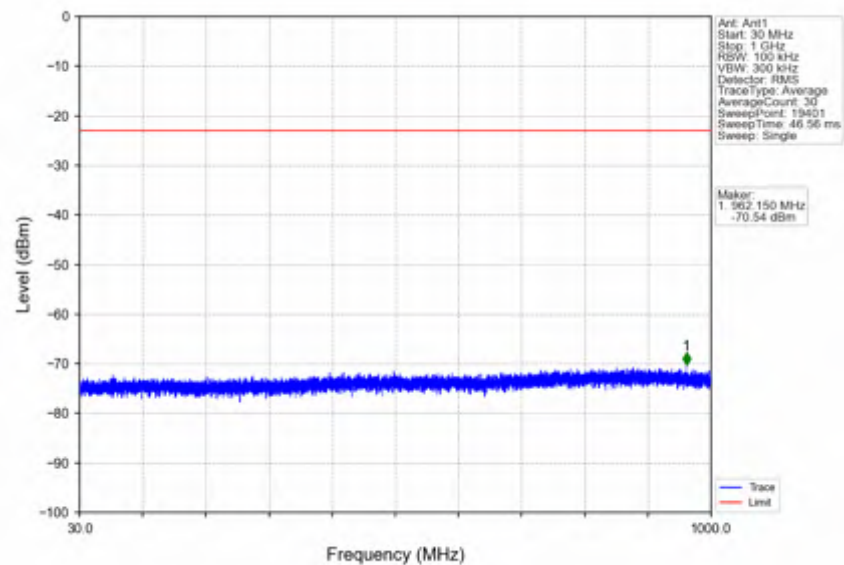
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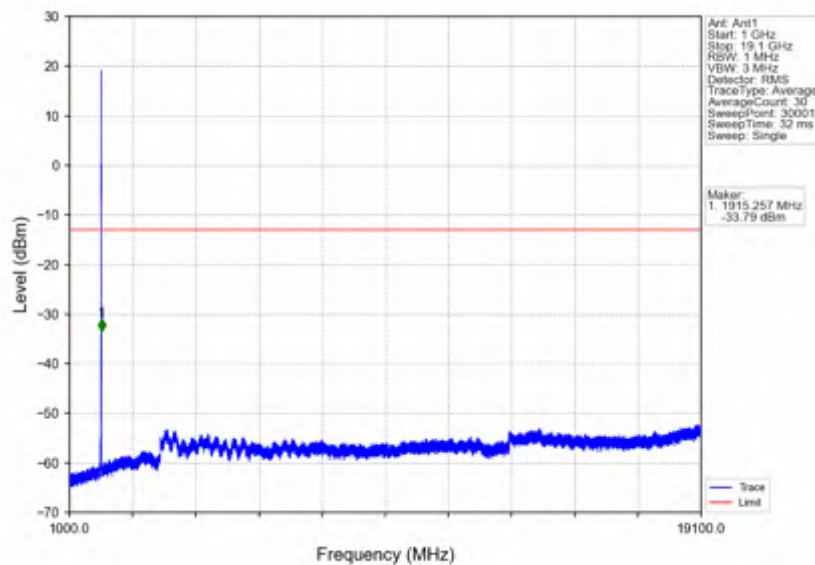
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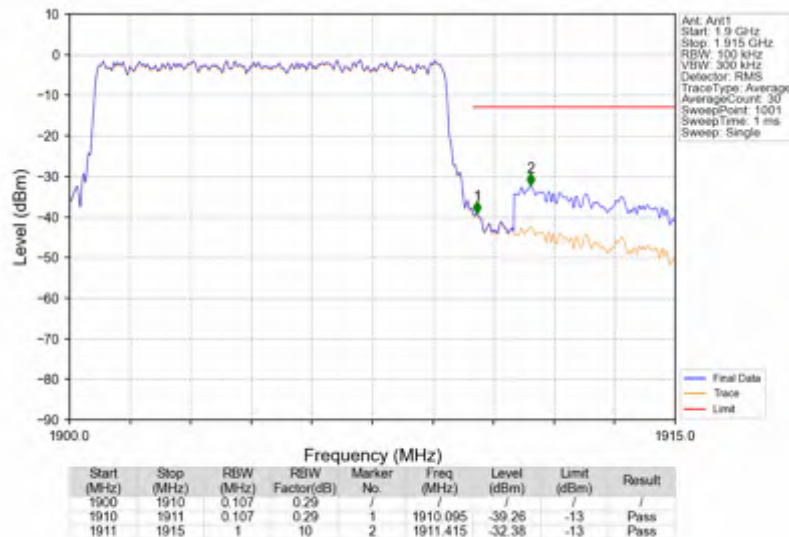
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n2_30kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1905MHz_Edge_1RB_Right



n2_30kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1905MHz_Outer_Full



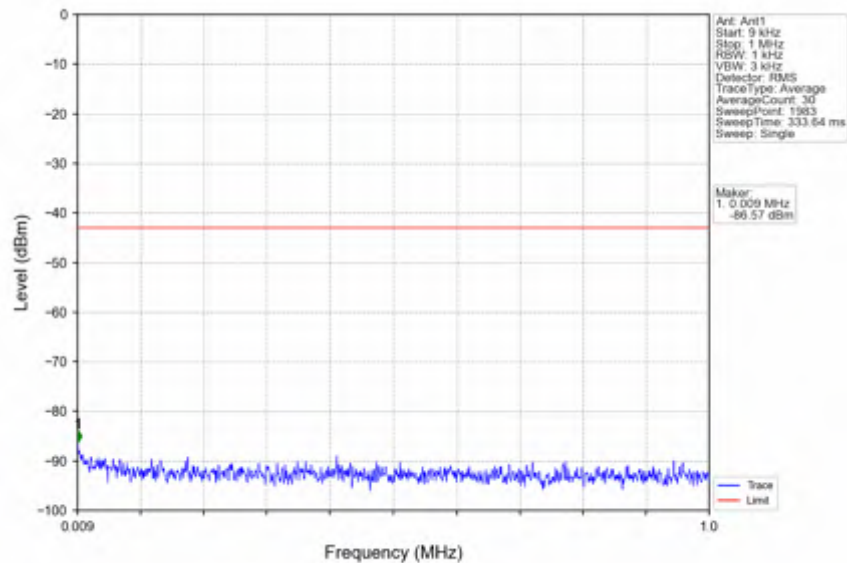
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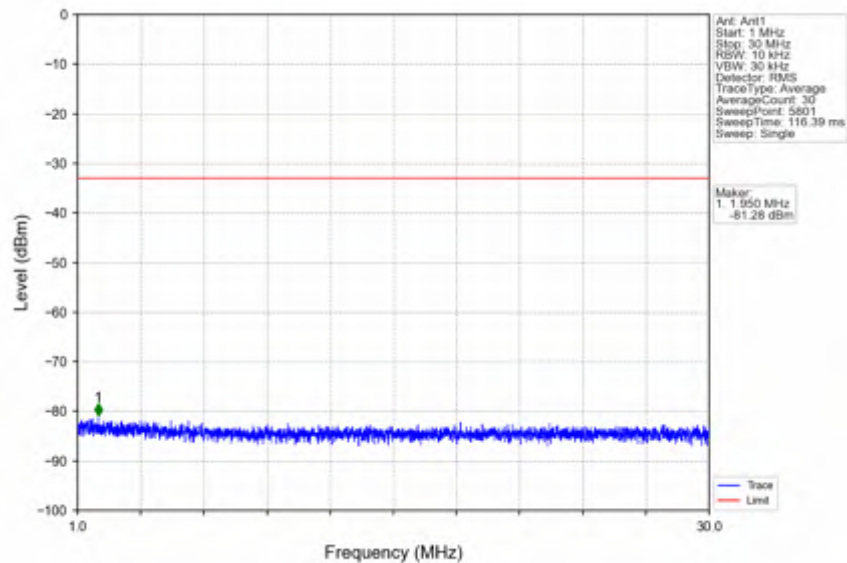
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n2_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_1905MHz_Outer_Full



n2_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_1905MHz_Outer_Full

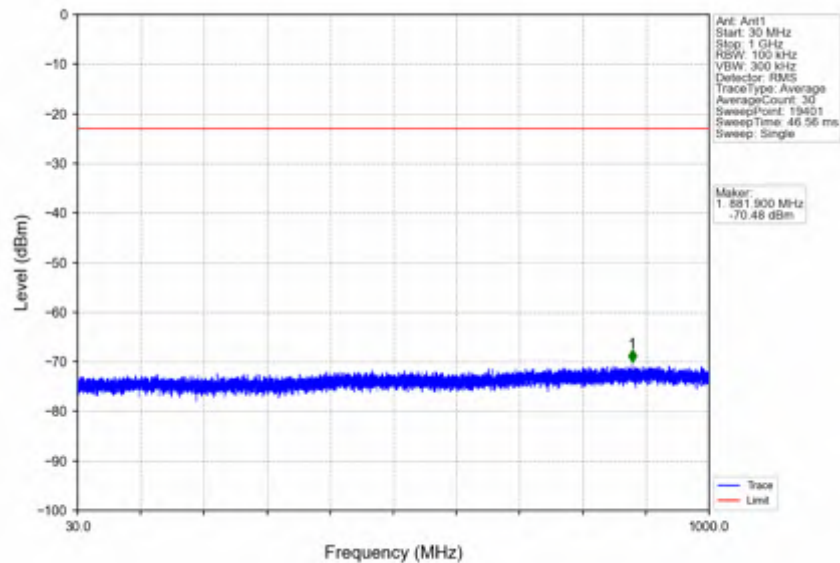


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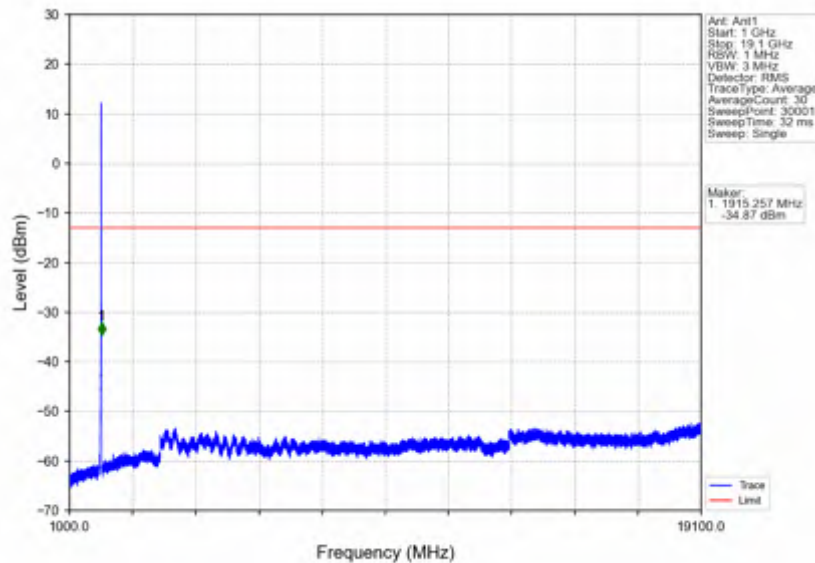
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n2_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_1905MHz_Outer_Full



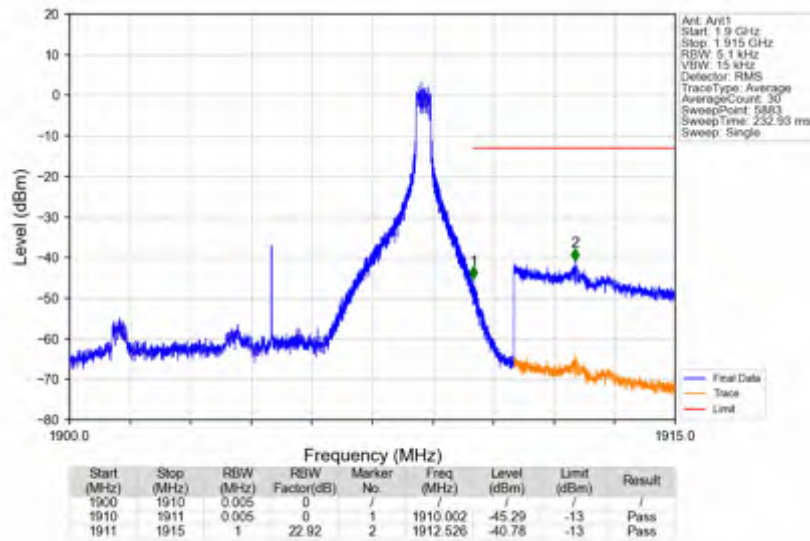
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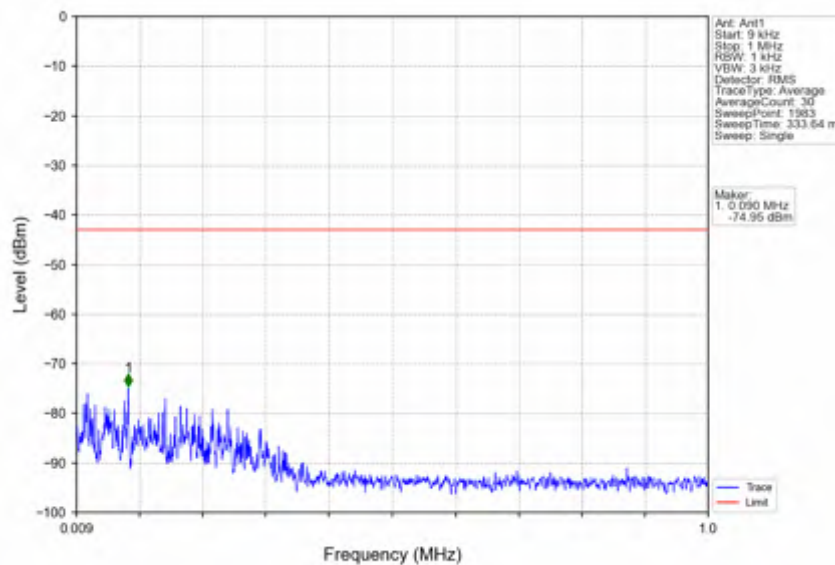
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n2 30kHz SISO NTN 10MHz CP-OFDM QPSK 1905MHz Inner 1RB Right



n2_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_1905MHz_Inner_1RB_Right

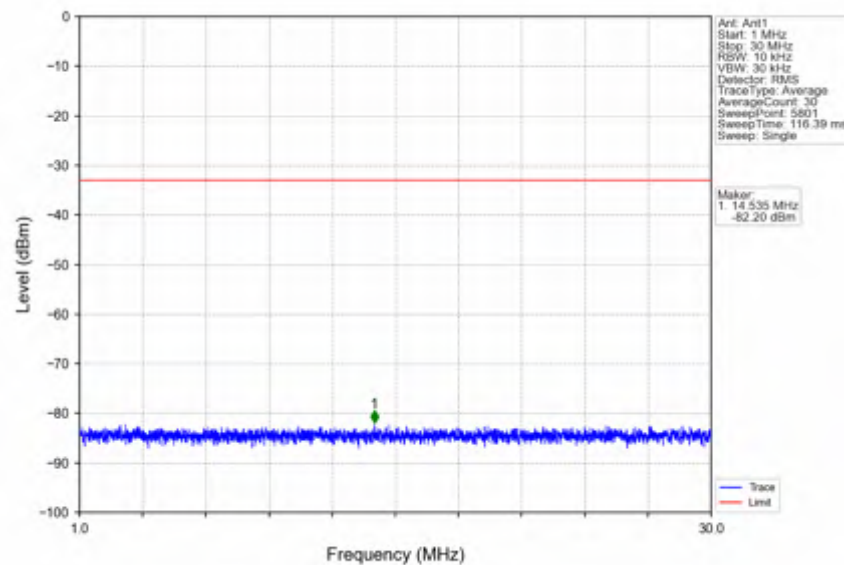


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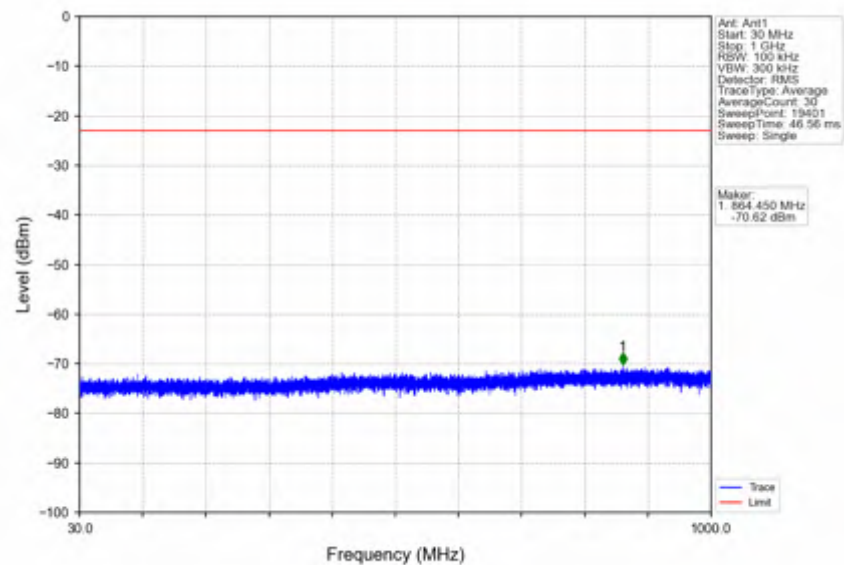
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n2_30kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1905MHz_Inner_1RB_Right



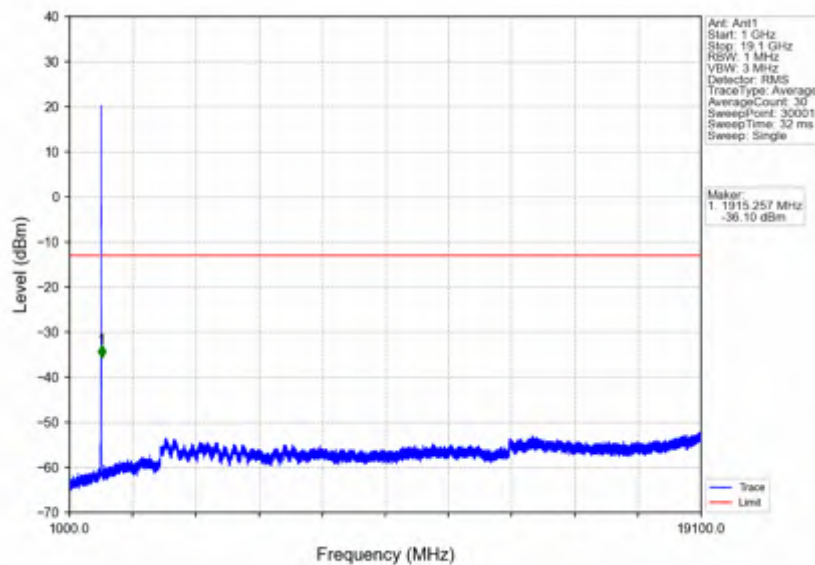
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n2_30kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1905MHz_Inner_1RB_Right



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1.6 30k_SISO_15MHz_NTNV

1.6.1 Test Result

5G NR n2 SCS=30kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	
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
	1880	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
		Outer Full	Refer To Test Graph			Pass
DFT-s-OFDM QPSK	1857.5	Inner 1RB Right	Refer To Test Graph			Pass
	1880	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
	1902.5	Outer Full	Refer To Test Graph			Pass
		Inner 1RB Right	Refer To Test Graph			Pass
		Inner 1RB Left	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
	1880	Edge 1RB Left	Refer To Test Graph			Pass
		Edge 1RB Right	Refer To Test Graph			Pass
		Outer Full	Refer To Test Graph			Pass
CP-OFDM QPSK	1902.5	Inner 1RB Right	Refer To Test Graph			Pass
		Inner 1RB Left	Refer To Test Graph			Pass
		Outer Full	Refer To Test Graph			Pass
	1902.5	Inner 1RB Right	Refer To Test Graph			Pass
		Inner 1RB Left	Refer To Test Graph			Pass
		Outer Full	Refer To Test Graph			Pass



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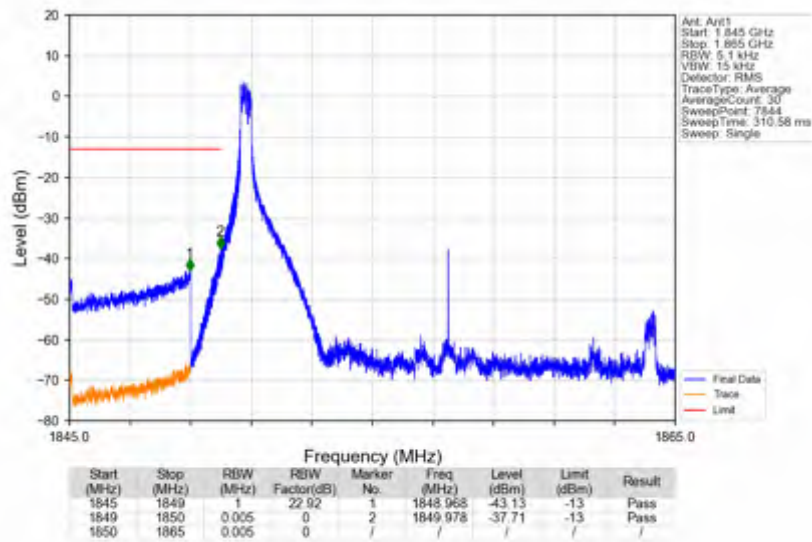
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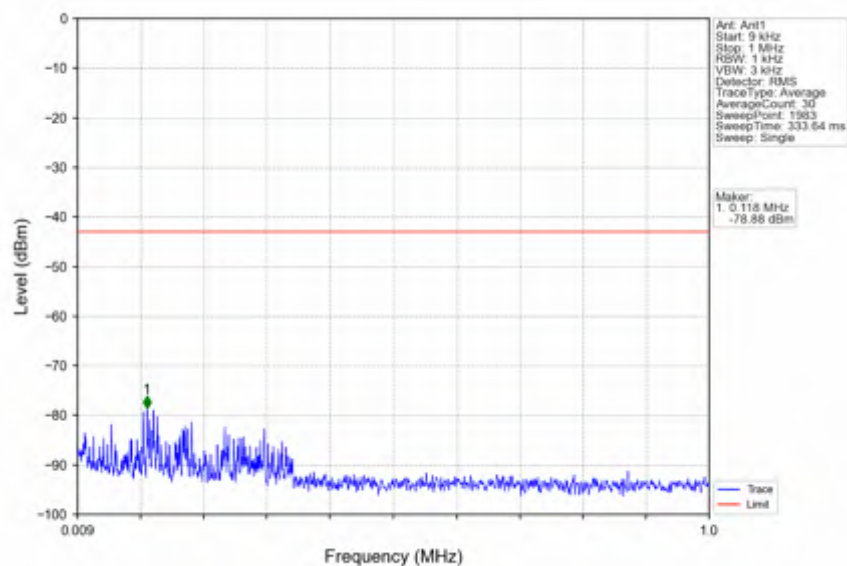
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1.6.2 Test Graph

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n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_1857.5MHz_Edge_1RB_Left



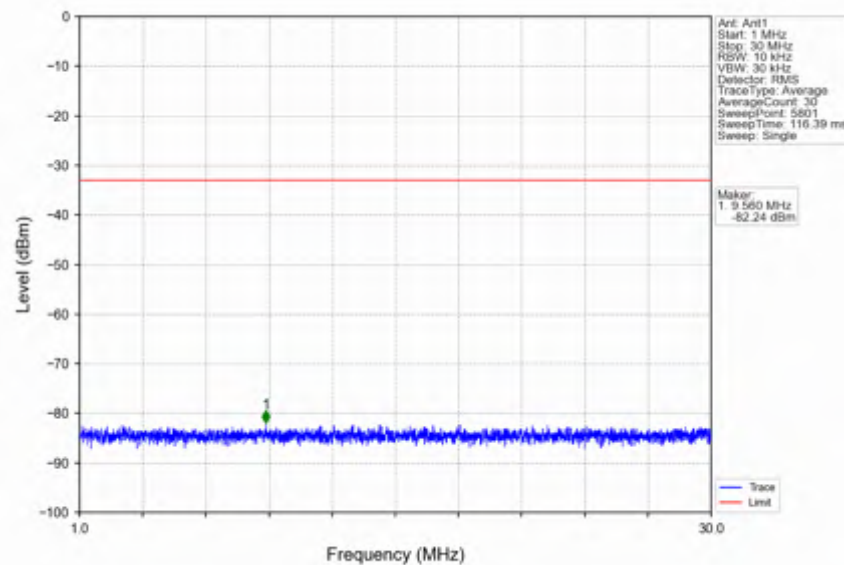
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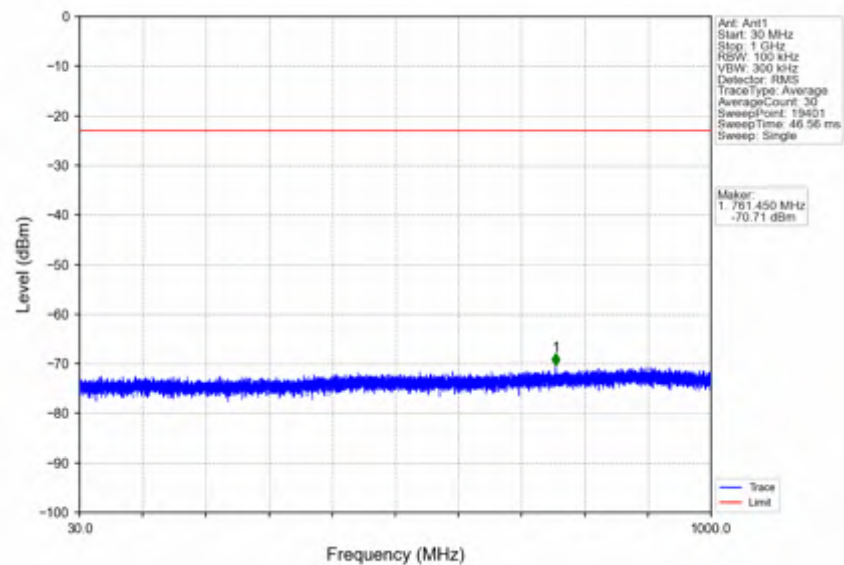
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n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1857.5MHz_Edge_1RB_Left



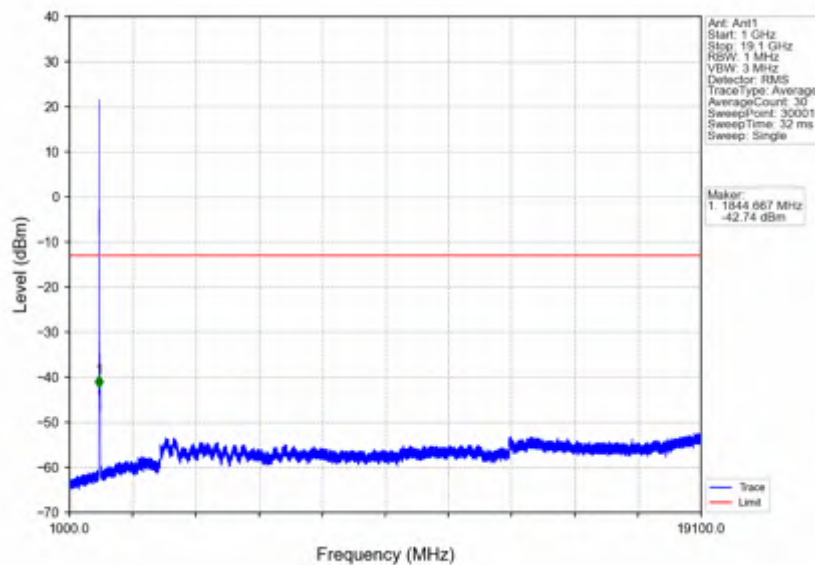
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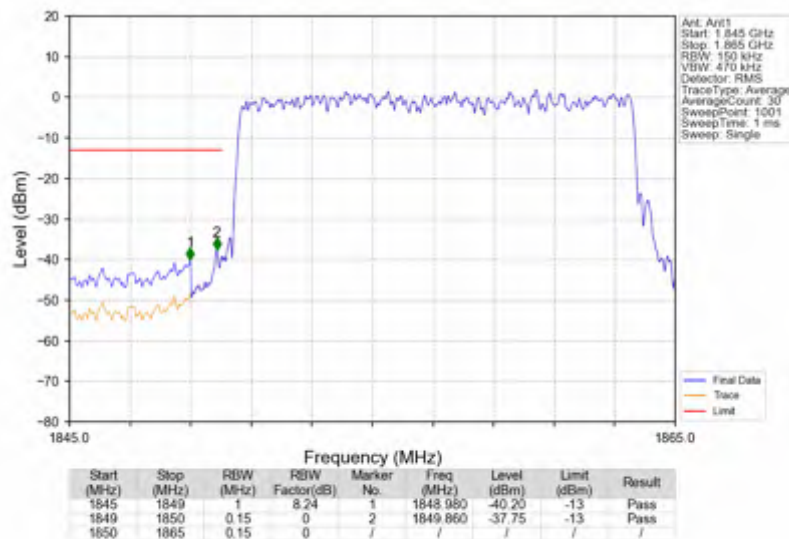
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n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1857.5MHz_Outer_Full



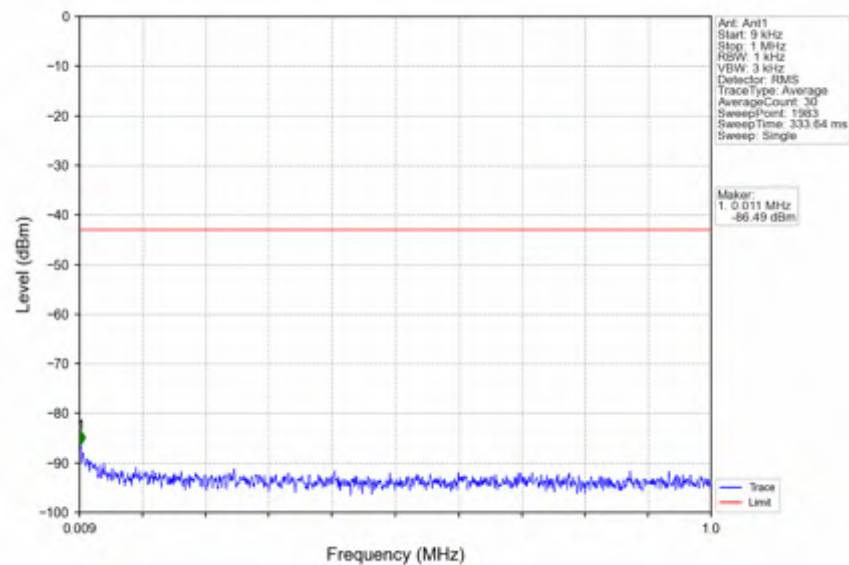
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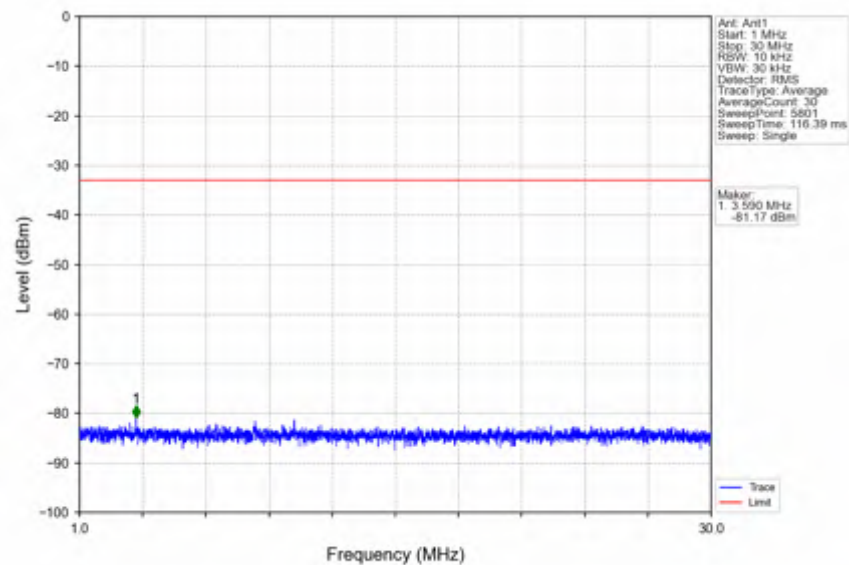
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n2 30kHz SISO NTNv 15MHz DFT-s-OFDM PI/2 BPSK 1857.5MHz Outer Full



n2	30kHz	SISO	NTNV	15MHz	DFT-s-OFDM	PI/2 BPSK	1857.5MHz	Outer	Full
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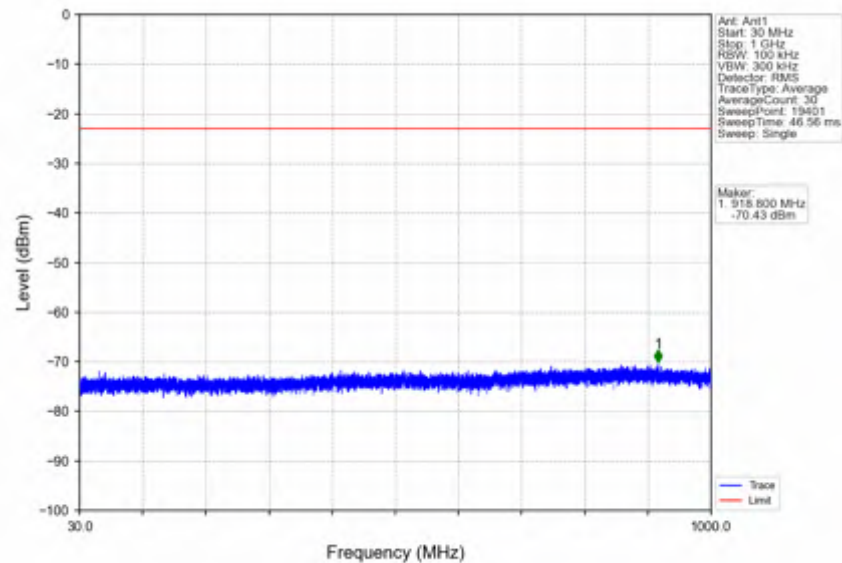
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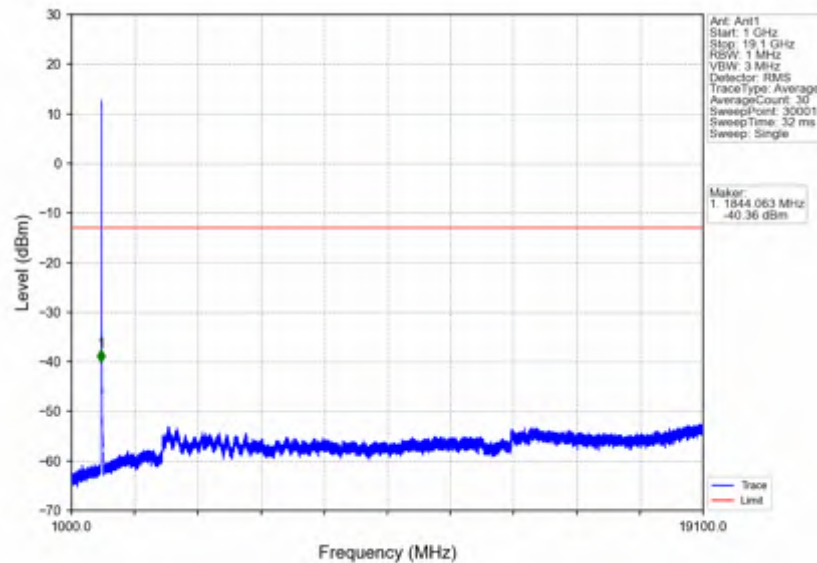
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n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_1857.5MHz_Outer_Full



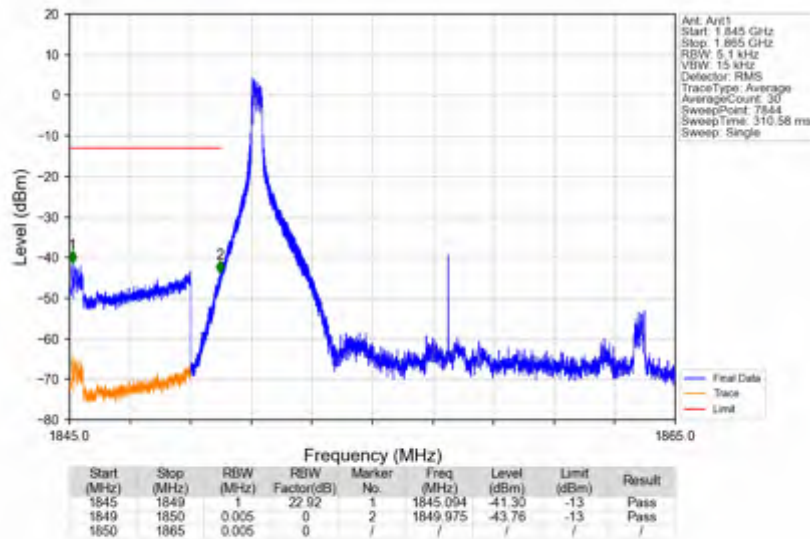
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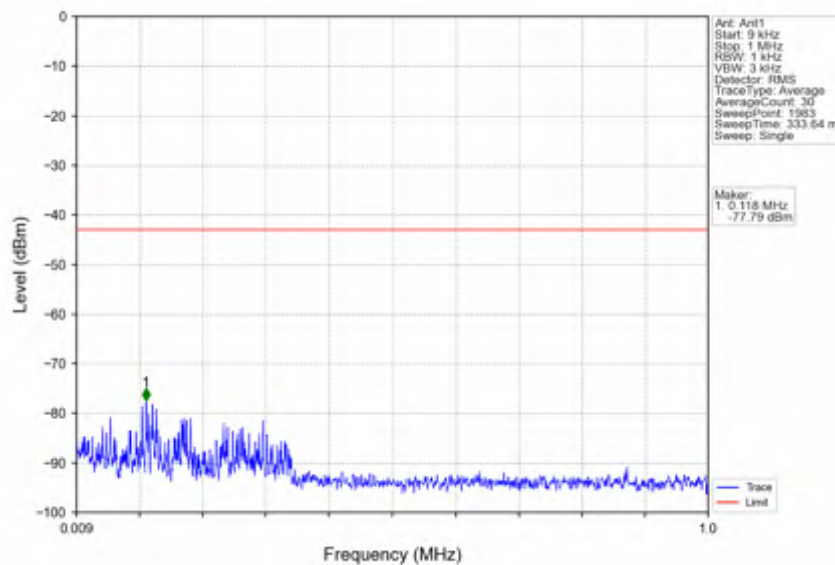
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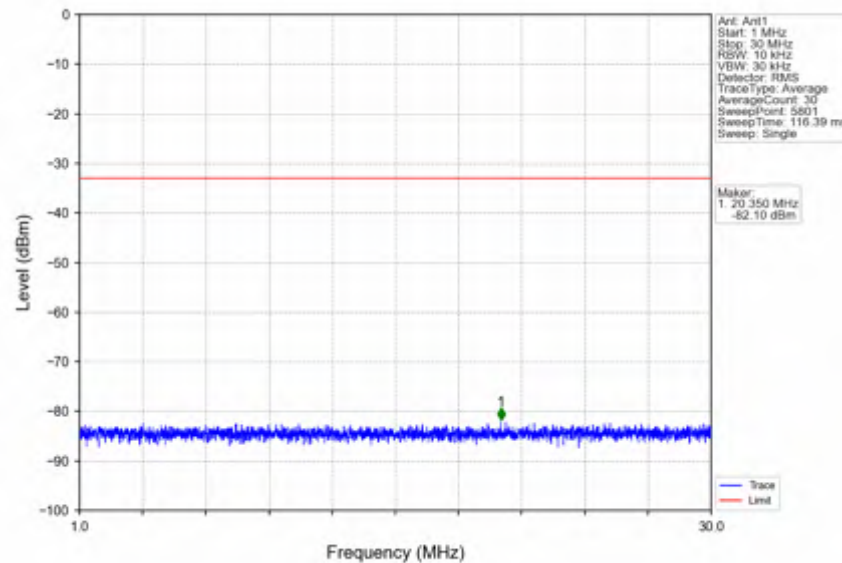
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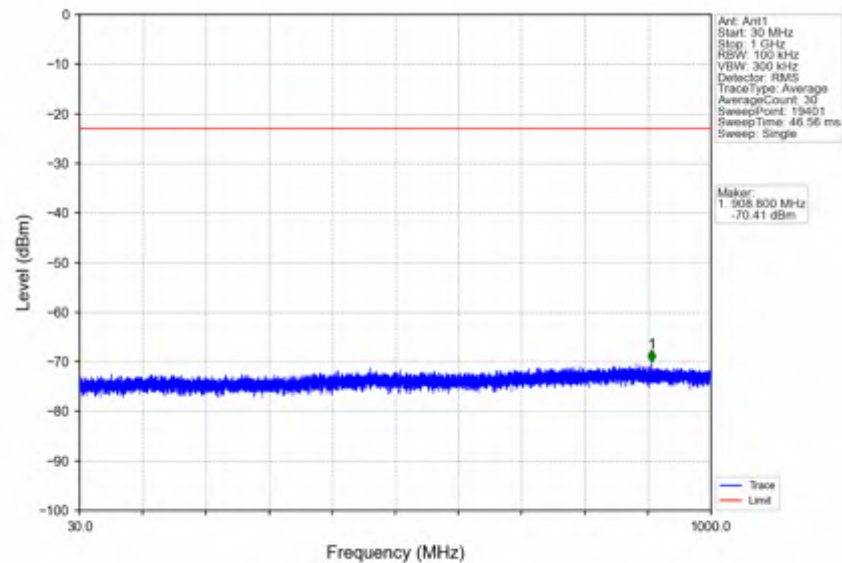
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n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1857.5MHz_Inner_1RB_Left



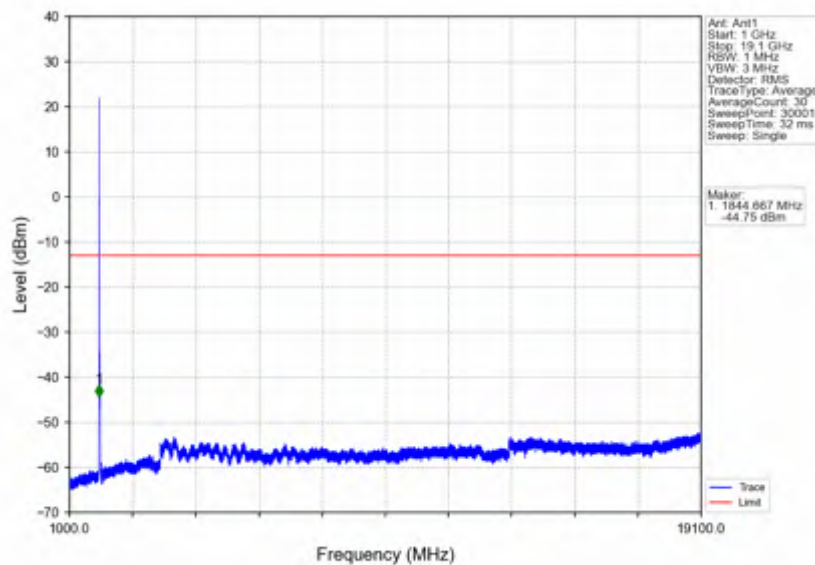
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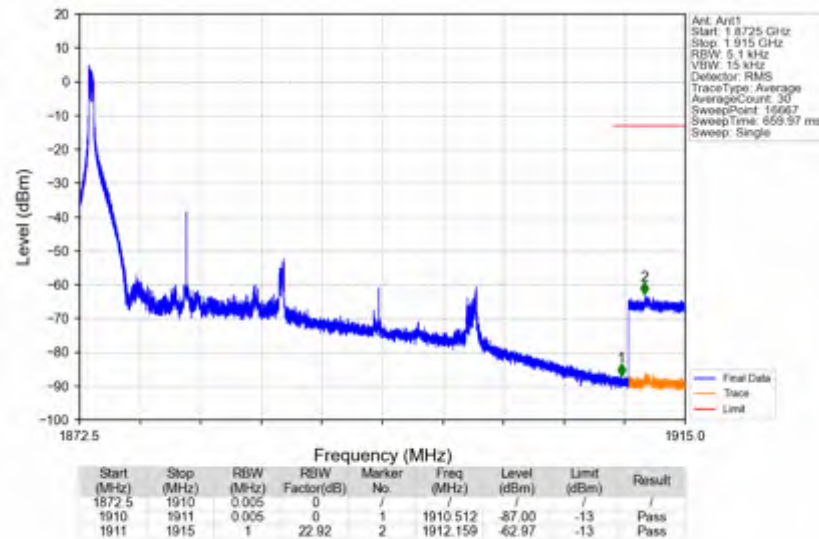
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n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1880MHz_Edge_1RB_Left



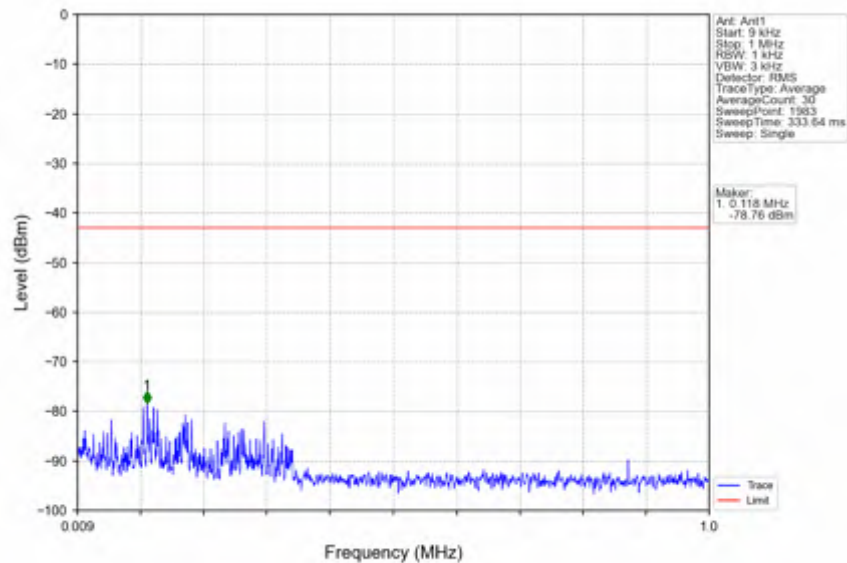
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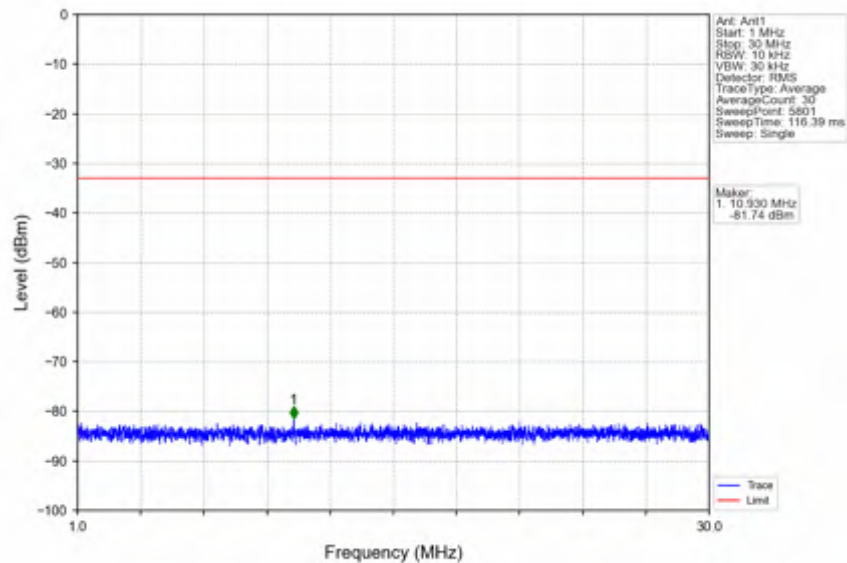
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n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1880MHz_Edge_1RB_Left



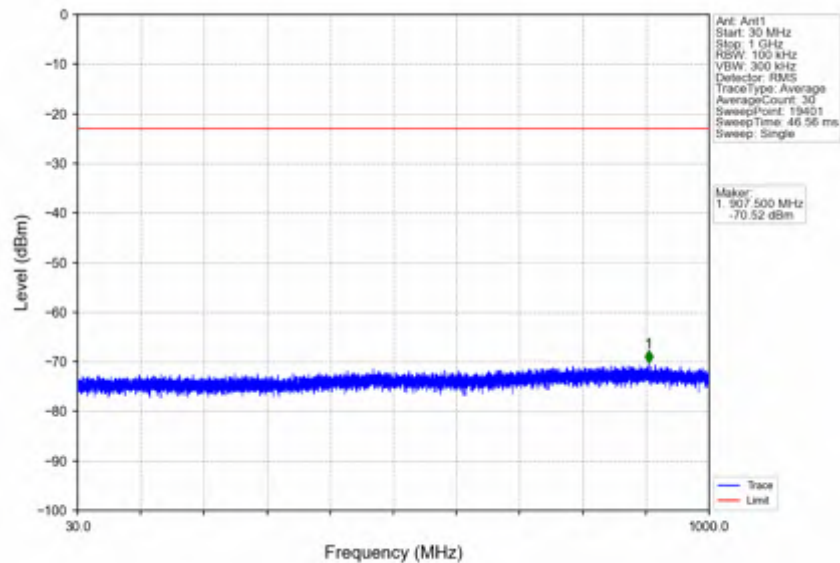
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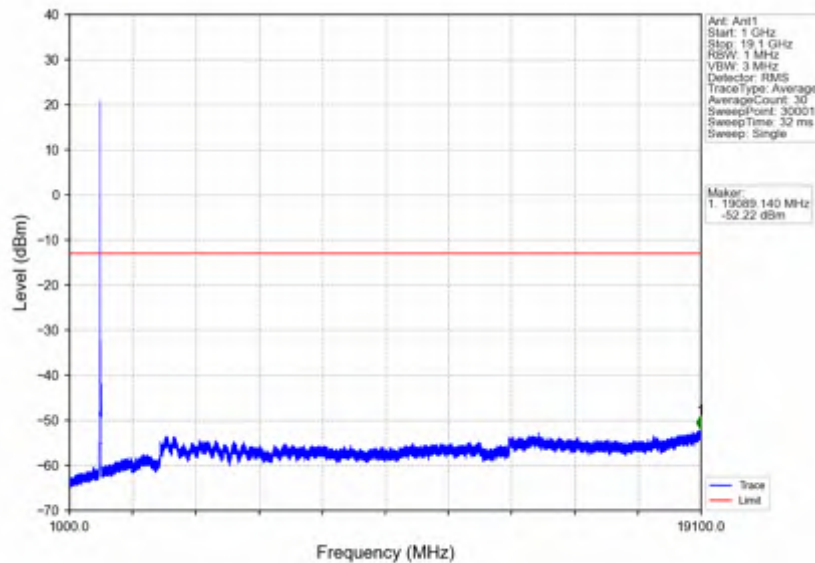
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n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1880MHz_Edge_1RB_Left



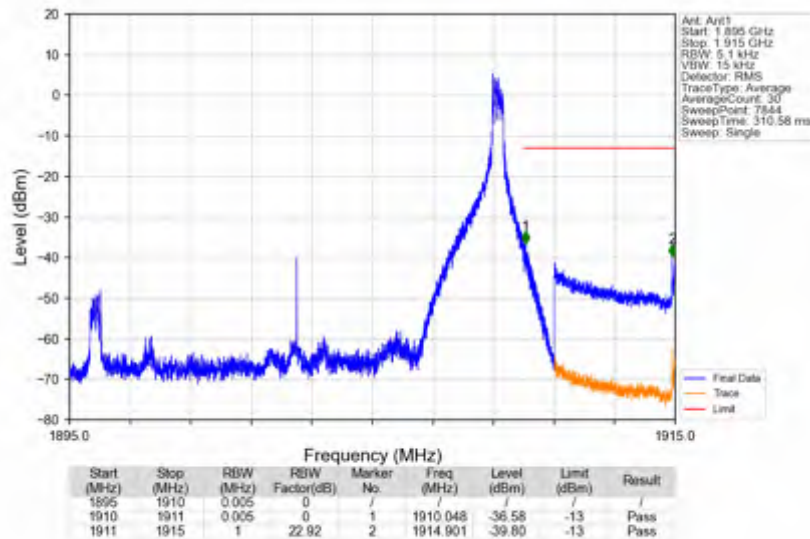
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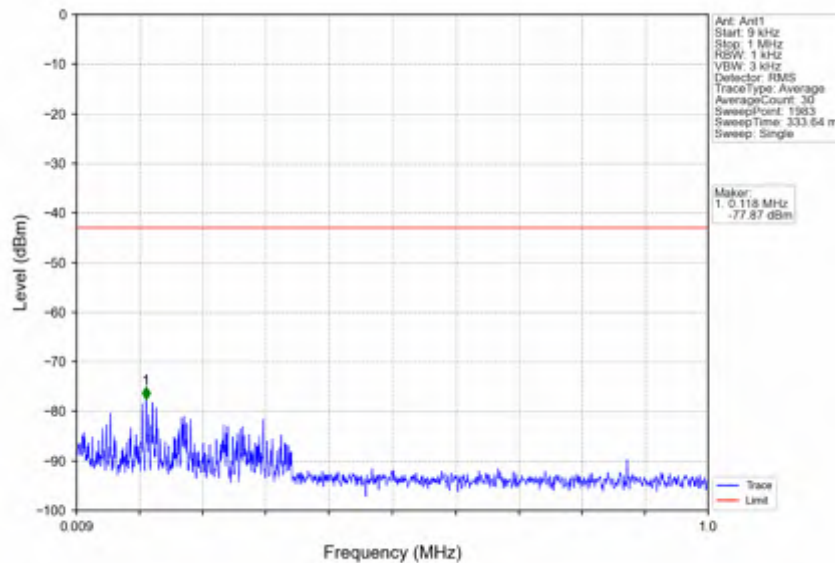
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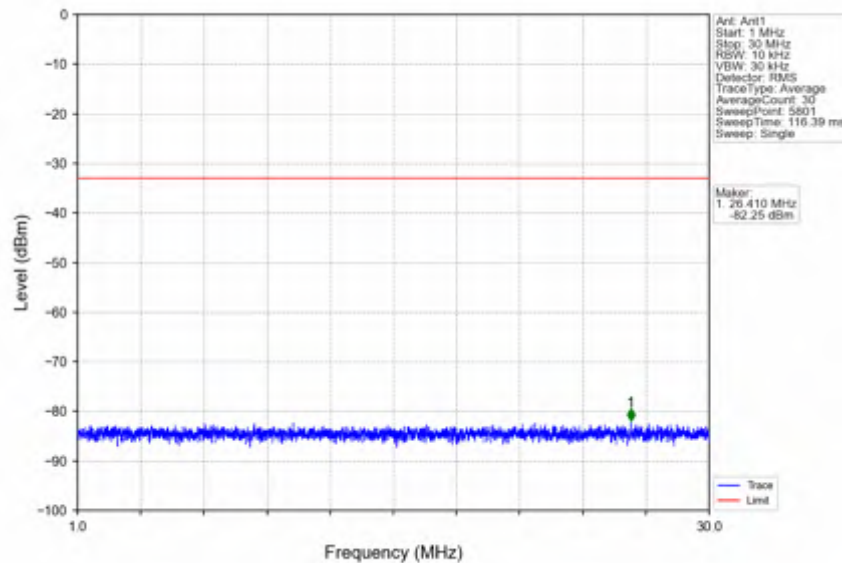


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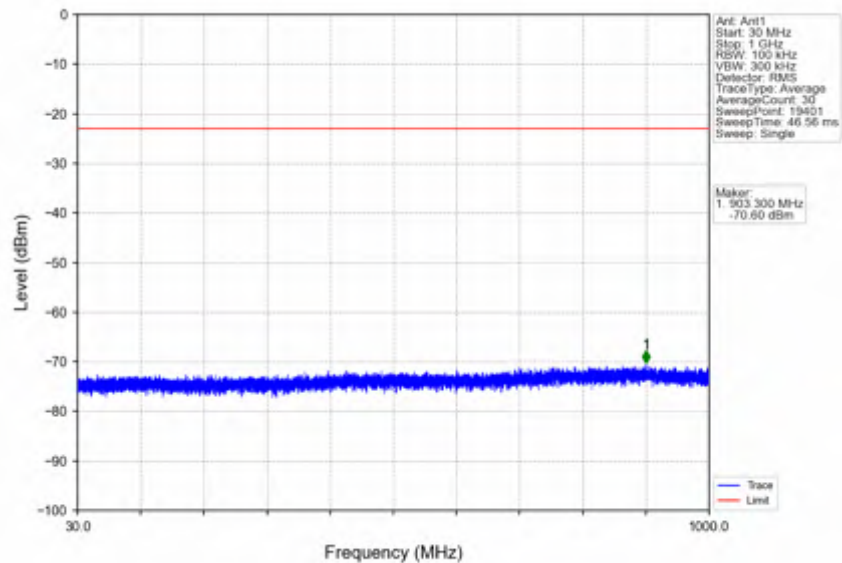
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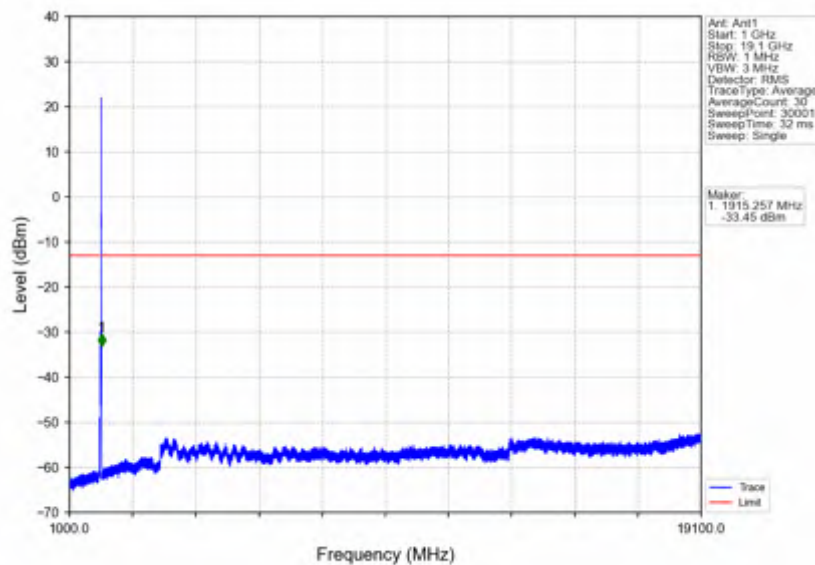
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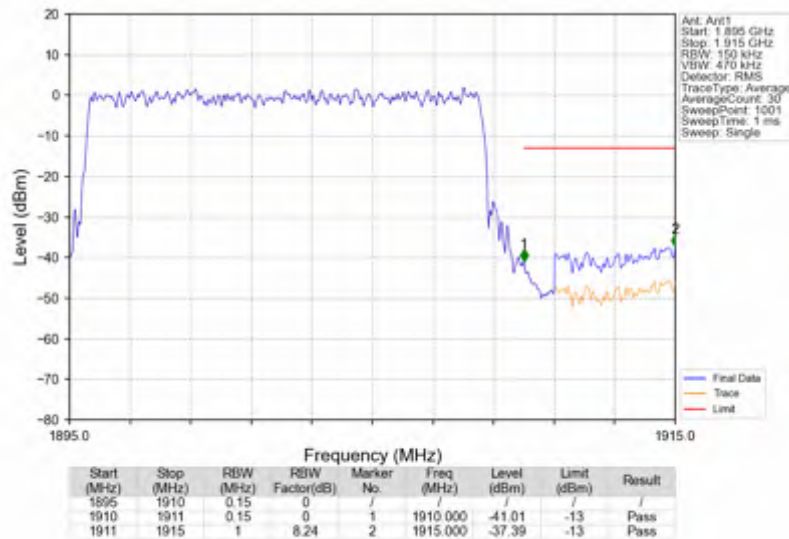
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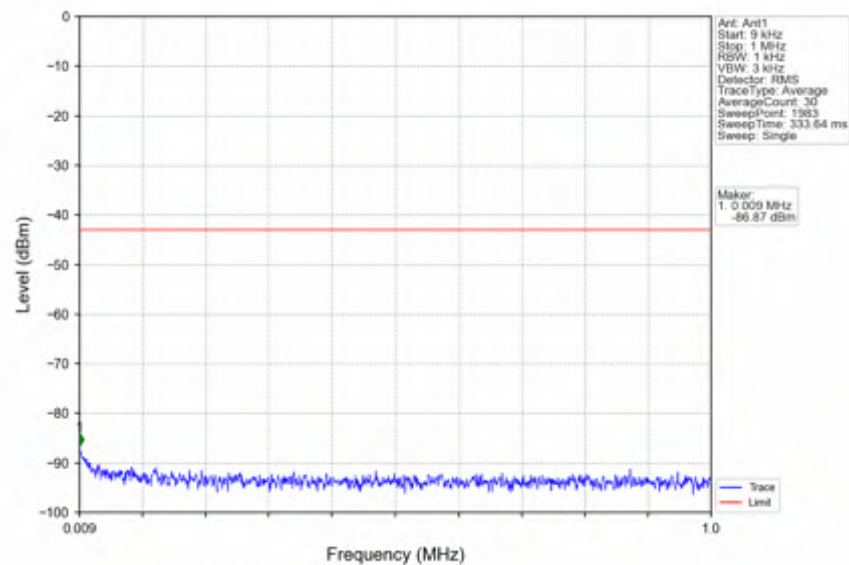
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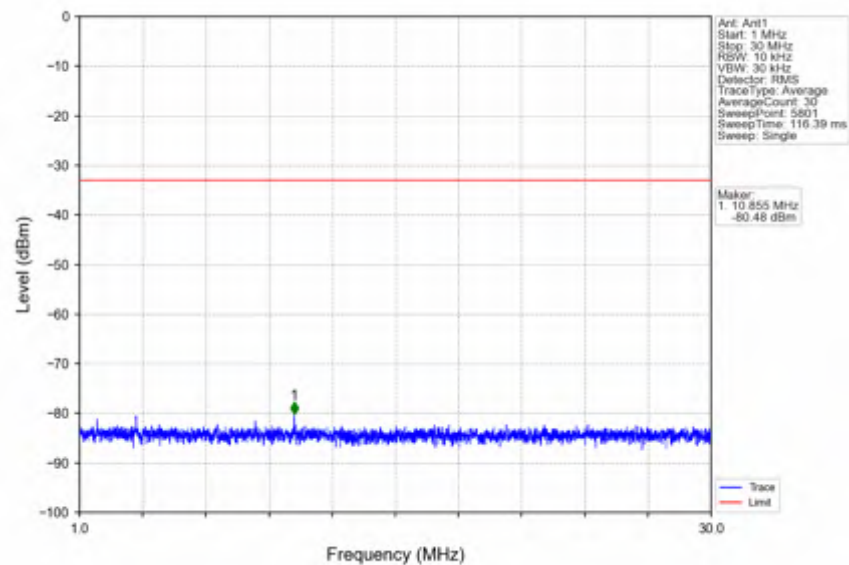
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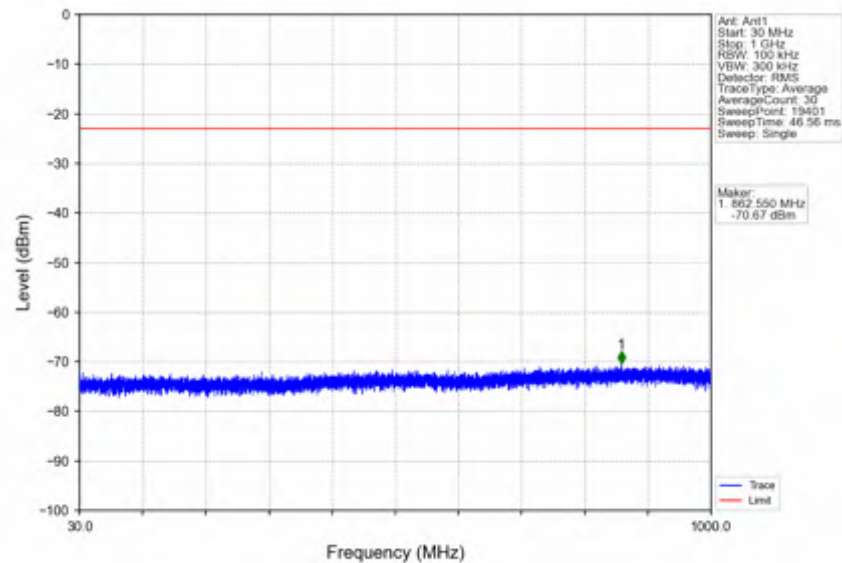
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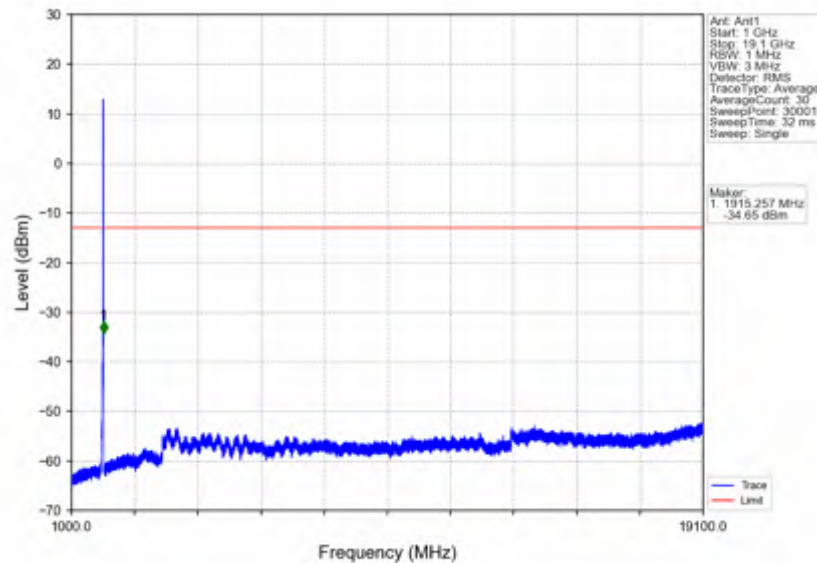
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n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_1902.5MHz_Outer_Full



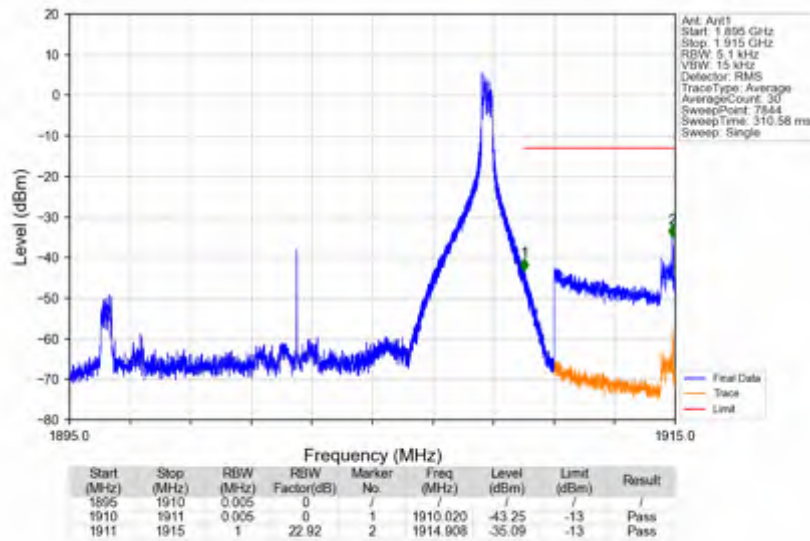
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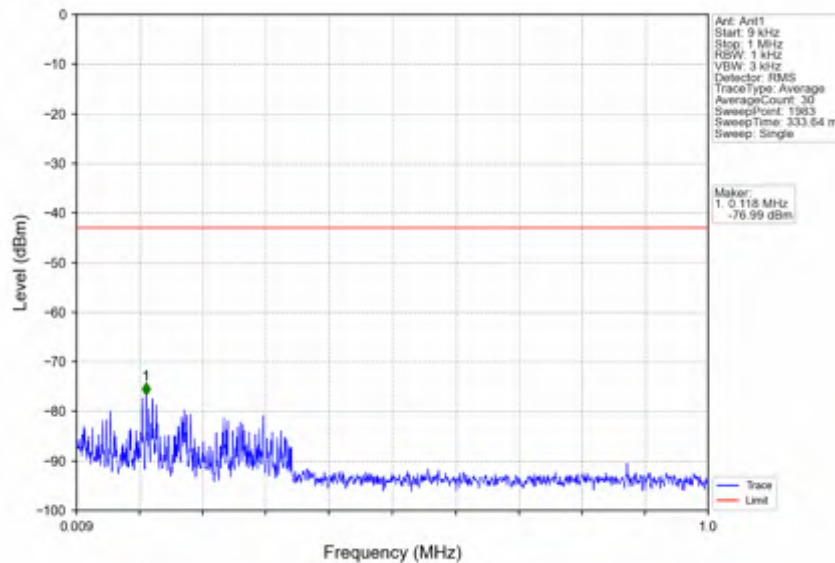
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n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_1902.5MHz_Inner_1RB_Right



n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_1902.5MHz_Inner_1RB_Right

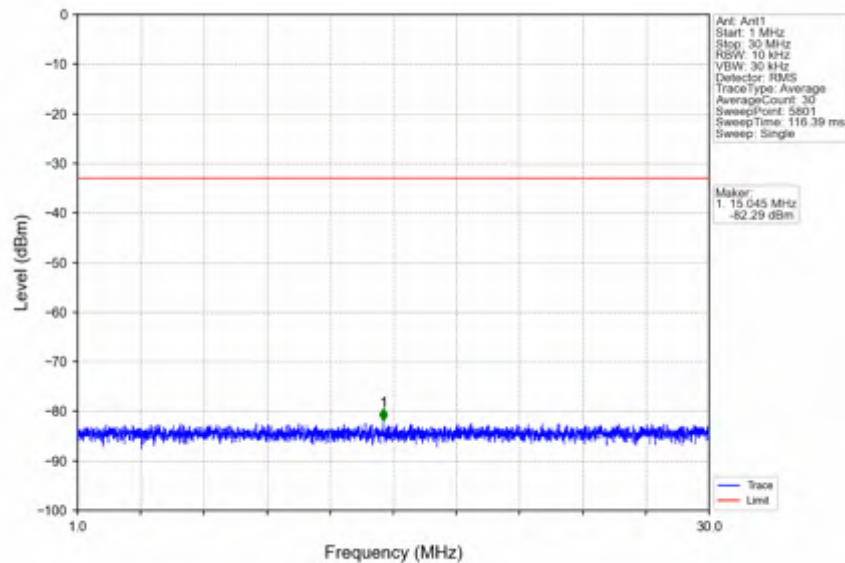


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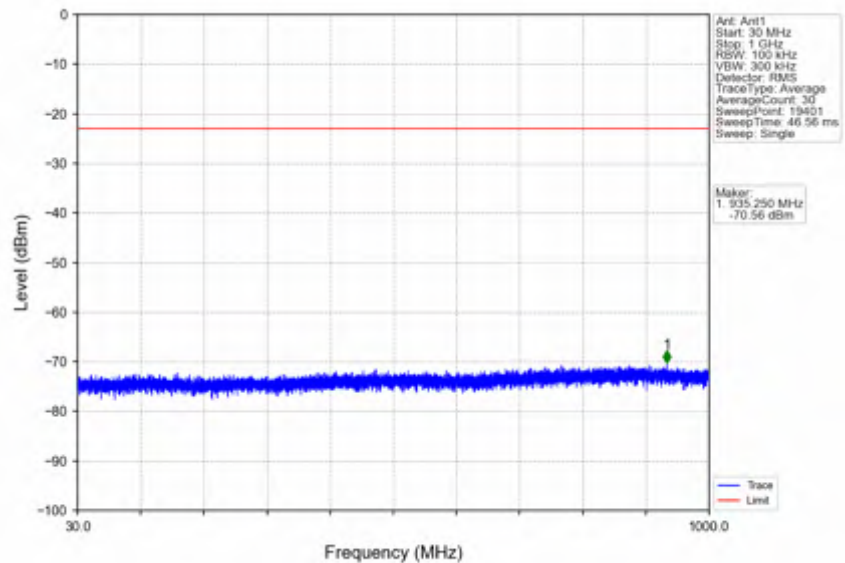
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n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1902.5MHz_Inner_1RB_Right



n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1902.5MHz_Inner_1RB_Right



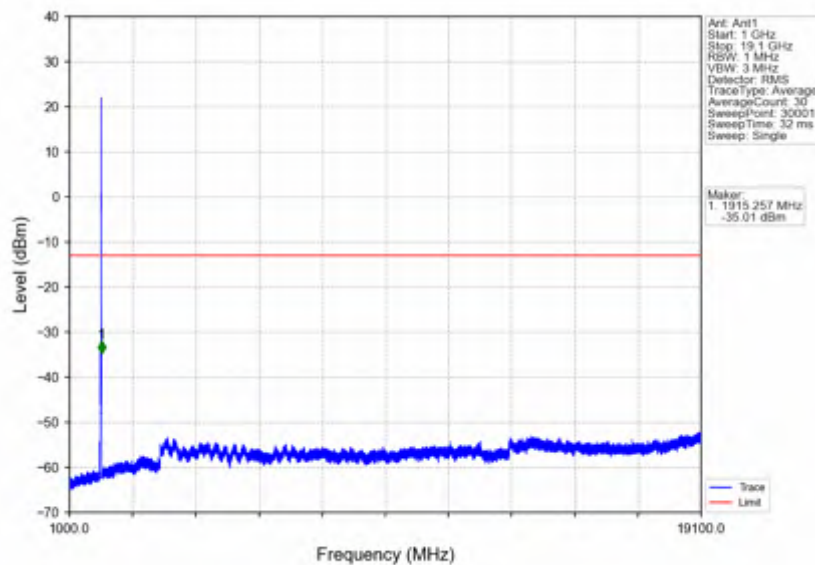
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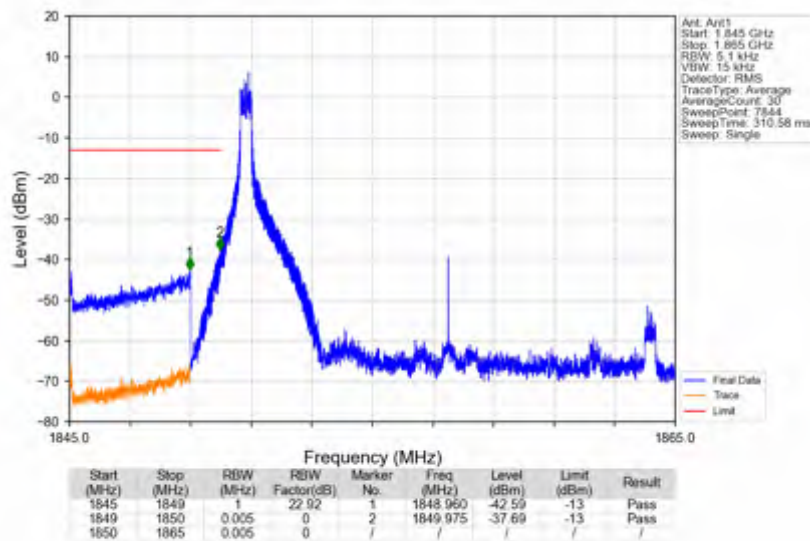
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n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1902.5MHz_Inner_1RB_Right



n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1857.5MHz_Edge_1RB_Left



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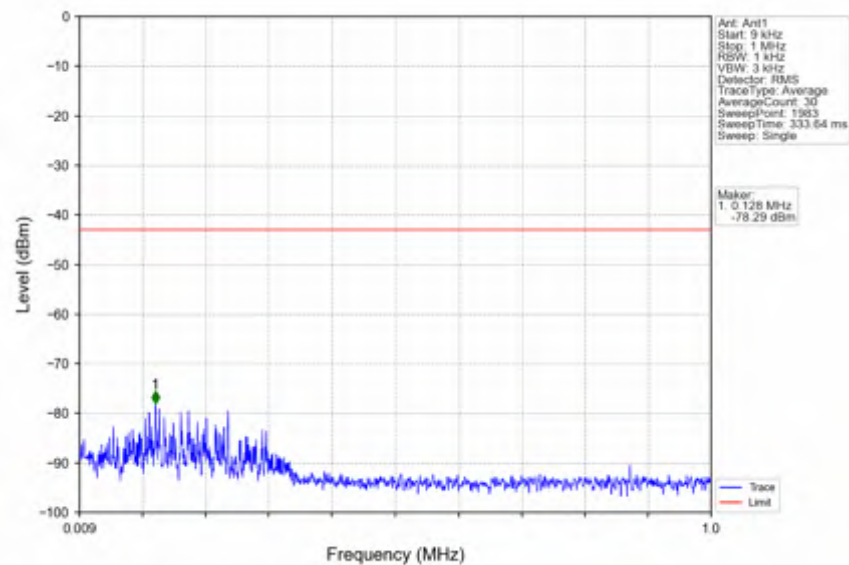
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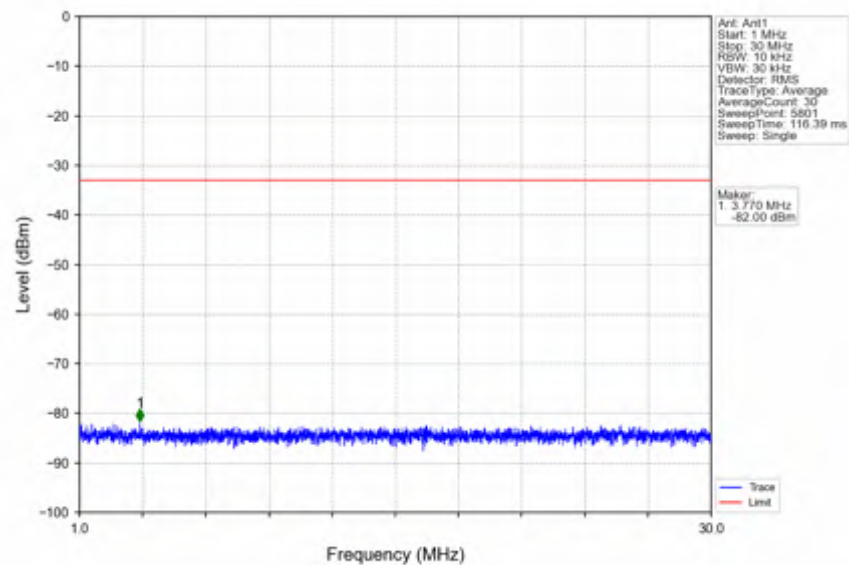
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n2 30kHz SISO NTN 15MHz DFT-s-OFDM QPSK 1857.5MHz Edge 1RB Left



n2 30kHz SISO NTN 15MHz DFT-s-OFDM QPSK 1857.5MHz Edge 1RB Left



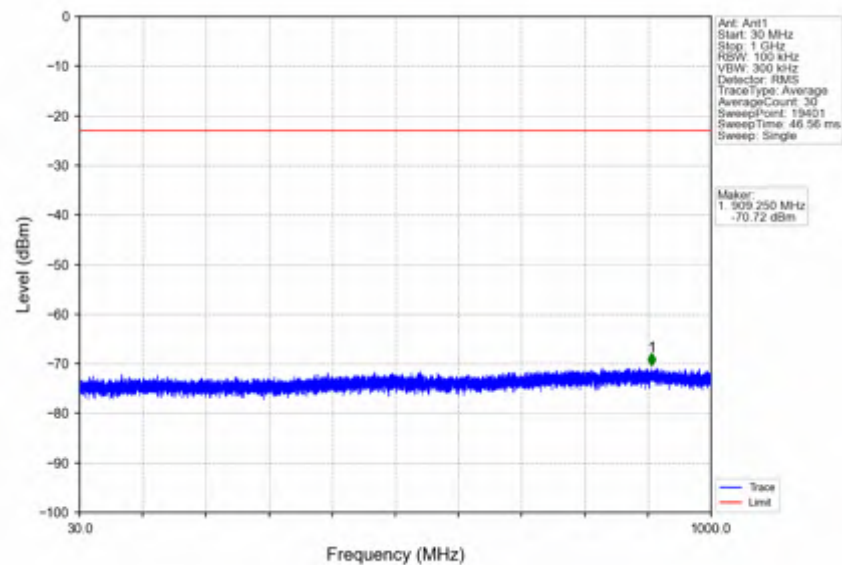
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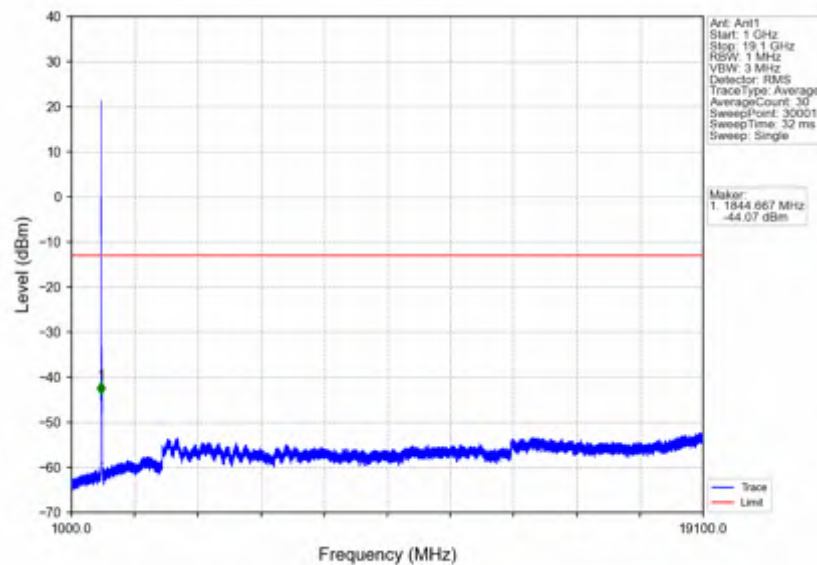
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n2_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_1857.5MHz_Edge_1RB_Left



n2 30kHz SISO NTN 15MHz DFT-s-OFDM QPSK 1857.5MHz Edge 1RB Left

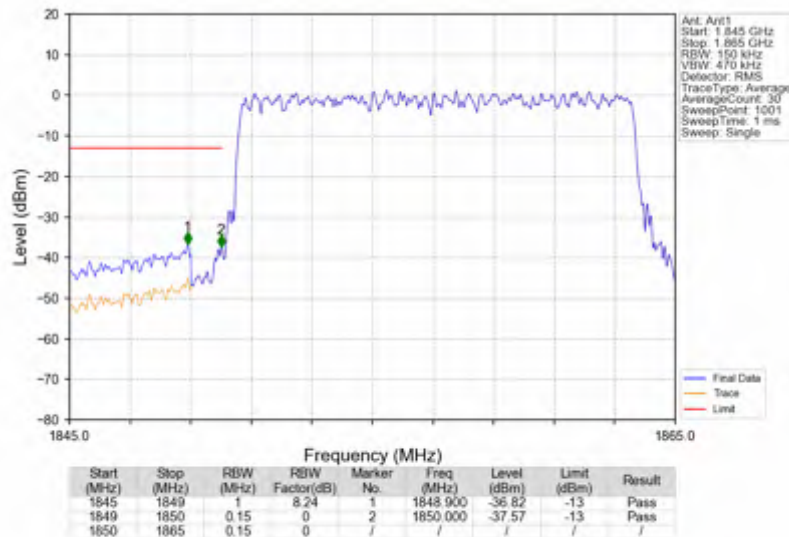


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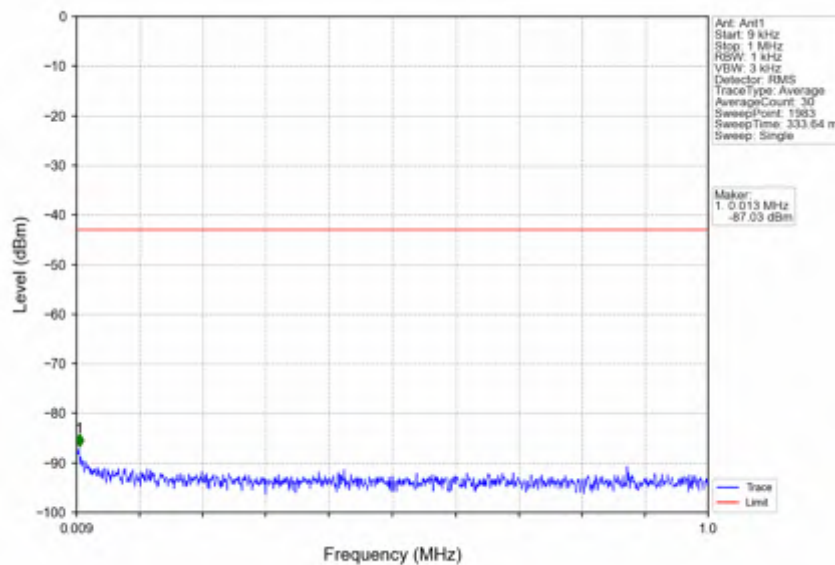
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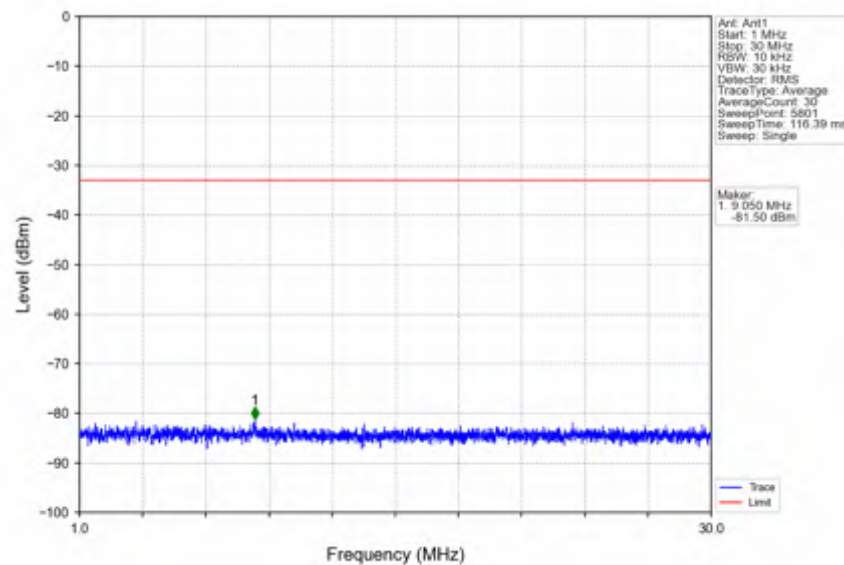
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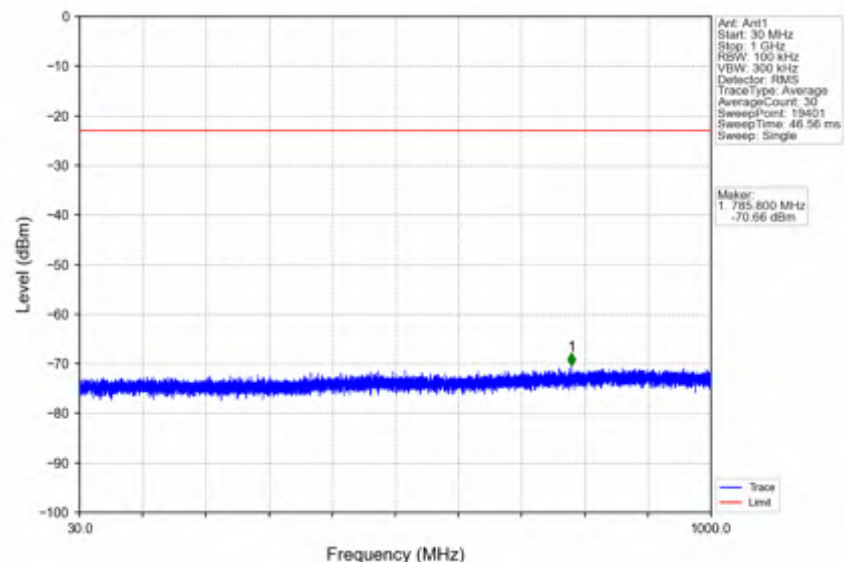
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