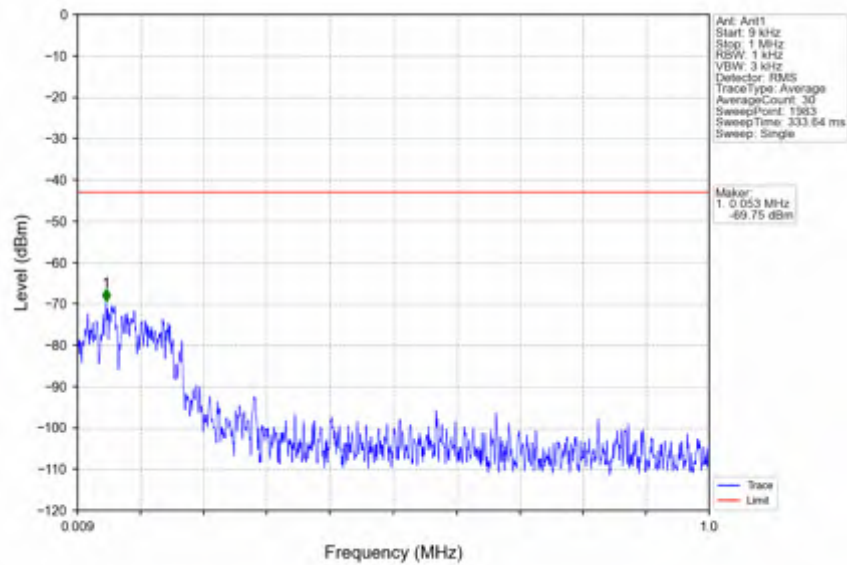
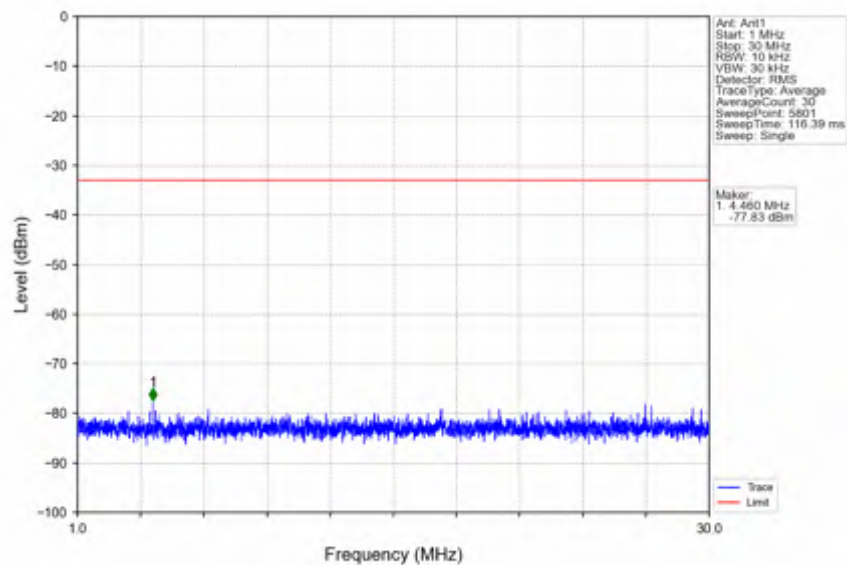


n78e\_15kHz\_SISO\_NTV\_40MHz\_DFT-s-OFDM QPSK\_3529.995MHz\_Edge\_1RB\_Right



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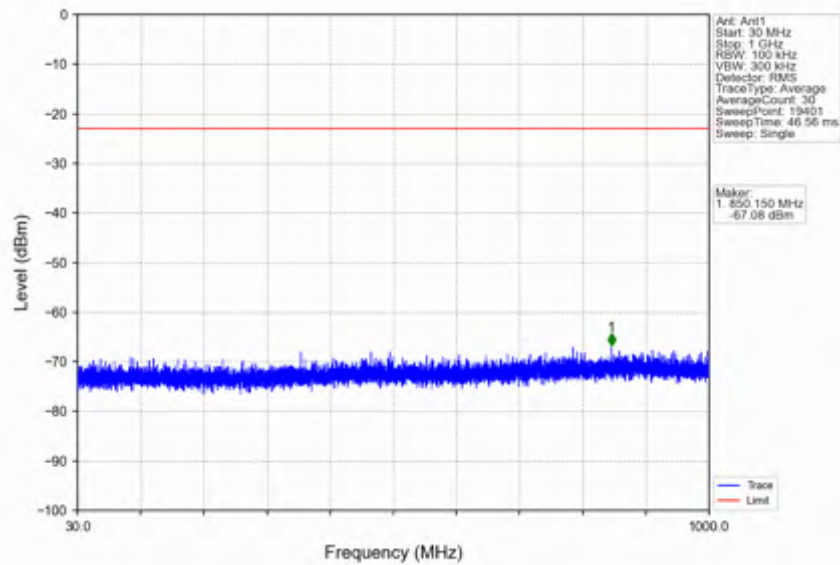
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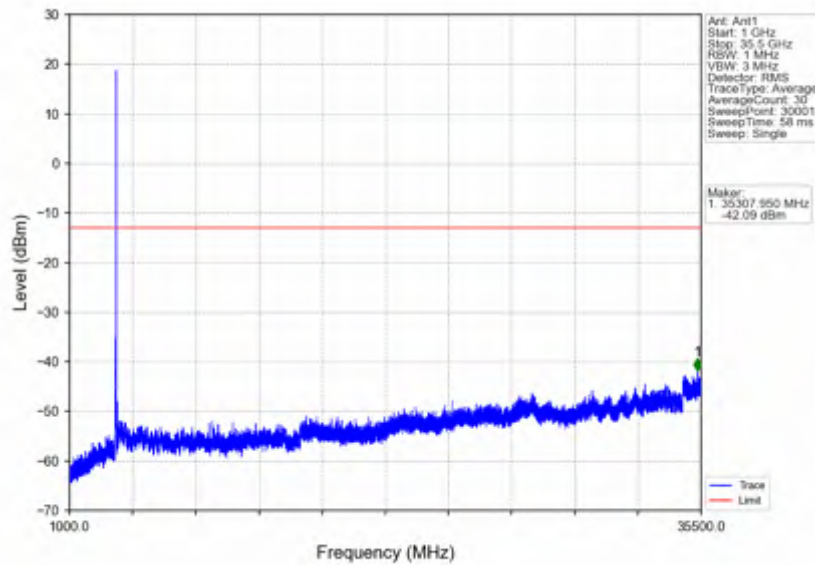
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n78e\_15kHz\_SISO\_NTV\_40MHz\_DFT-s-OFDM\_QPSK\_3529.995MHz\_Edge\_1RB\_Right



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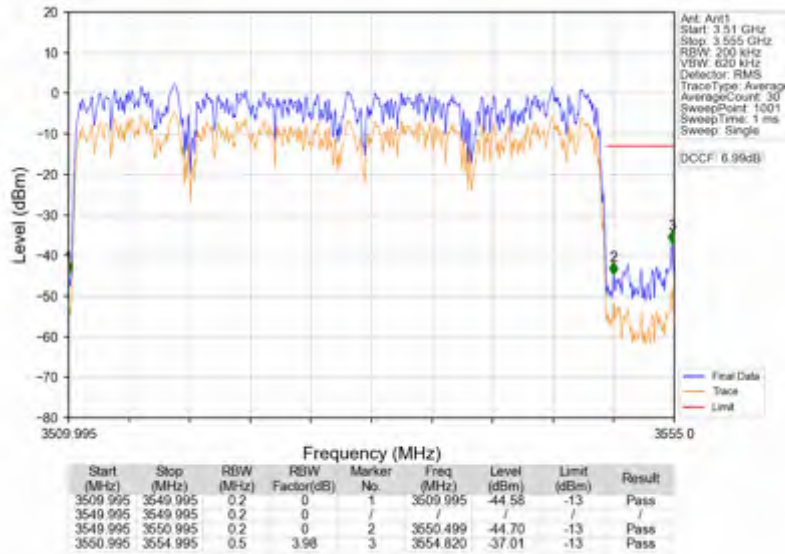
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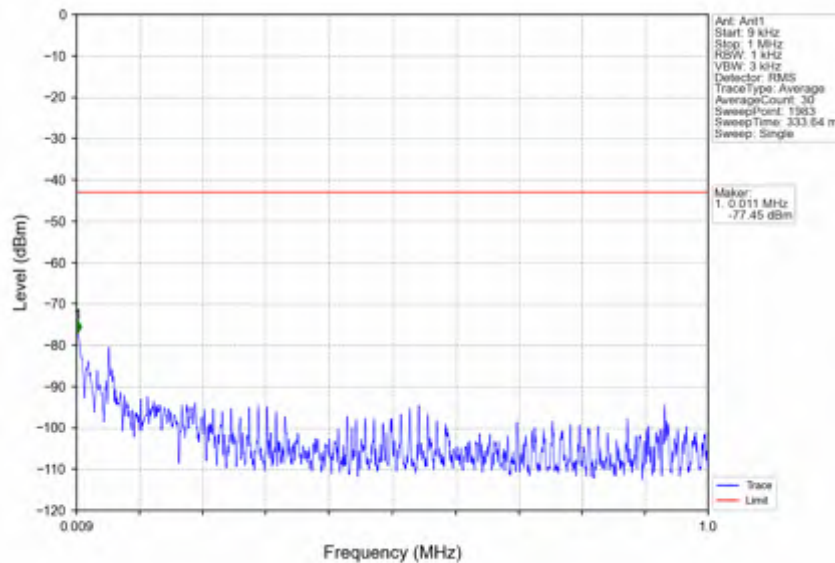
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n78e\_15kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM QPSK\_3529.995MHz\_Outer\_Full



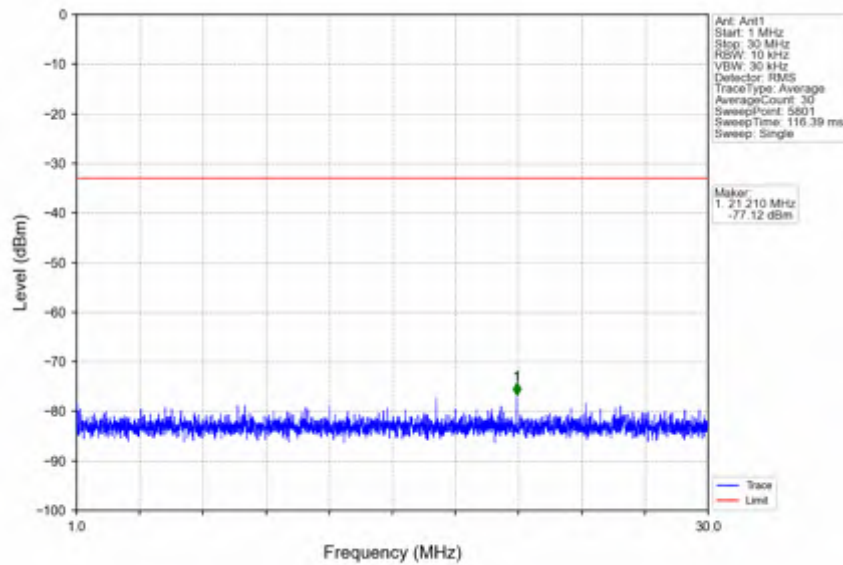
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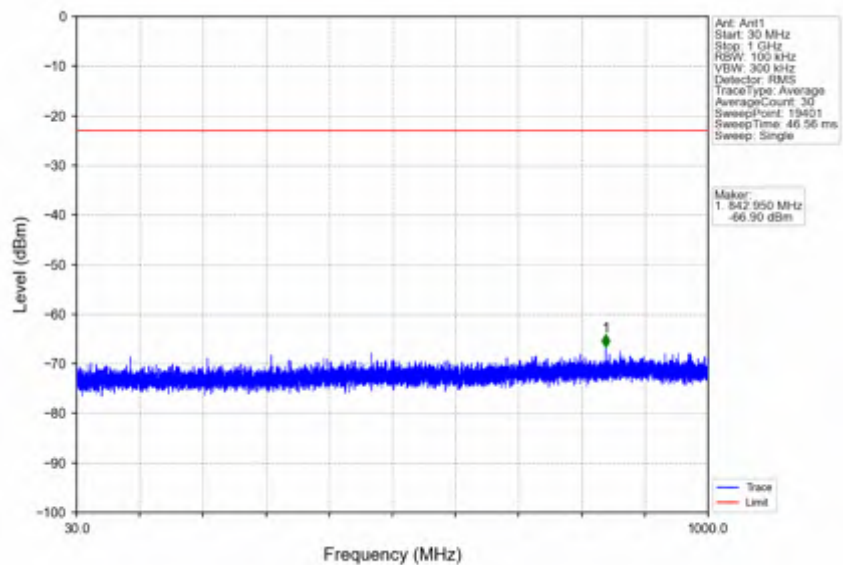
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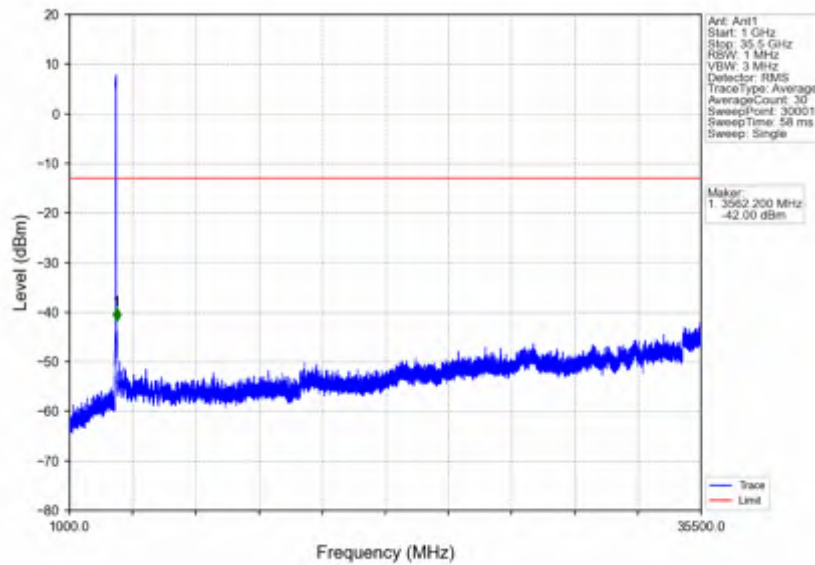
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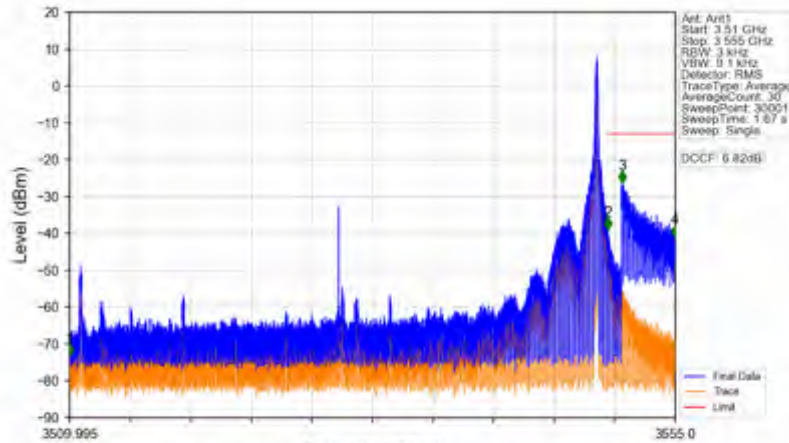
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n78e\_15kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM QPSK\_3529.995MHz\_Outer\_Full



n78e\_15kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM QPSK\_3529.995MHz\_Inner\_1RB\_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3509.995	3549.995	0.003	0	1	3509.995	-73.26	-13	Pass
3549.995	3549.995	0.003	0	2	3550.001	-38.95	-13	Pass
3549.995	3550.995	0.003	0	2	3550.001	-38.95	-13	Pass
3550.995	3554.995	0.5	22.22	3	3551.068	-26.37	-13	Pass
3554.996	3555	1	25.23	4	3554.995	-41.04	-13	Pass



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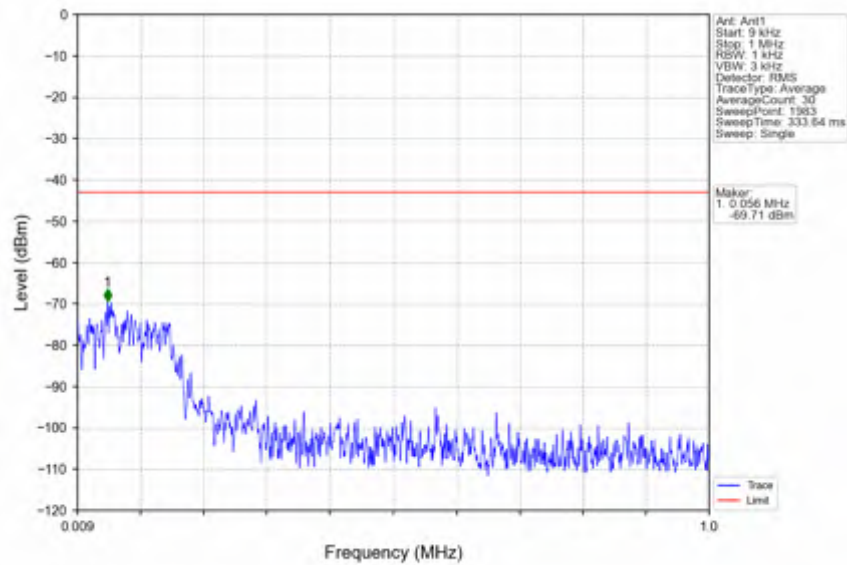
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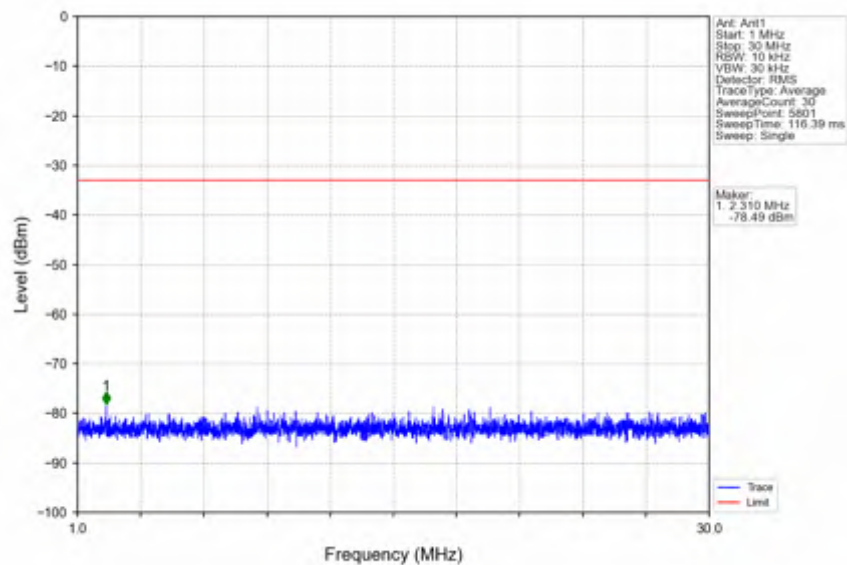
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n78e\_15kHz\_SISO\_NTV\_40MHz\_DFT-s-OFDM\_QPSK\_3529.995MHz\_Inner\_1RB\_Right



n78e\_15kHz\_SISO\_NTV\_40MHz\_DFT-s-OFDM\_QPSK\_3529.995MHz\_Inner\_1RB\_Right



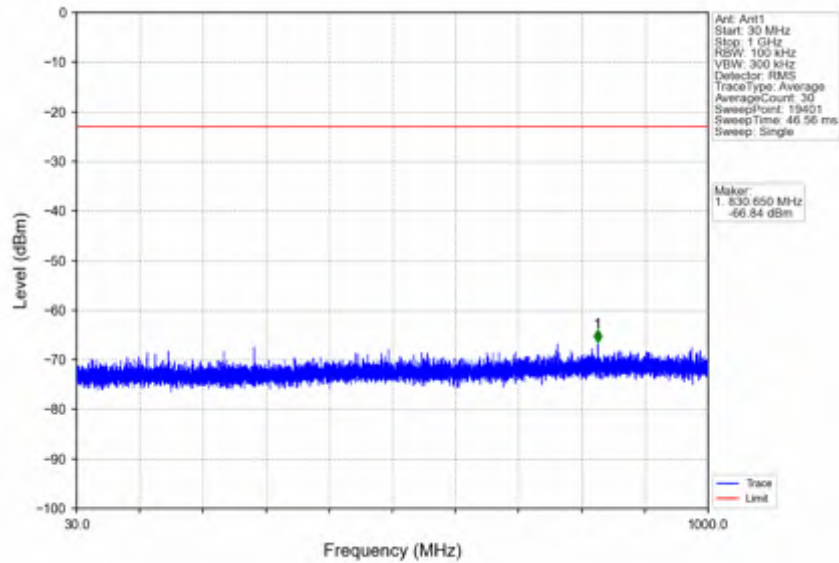
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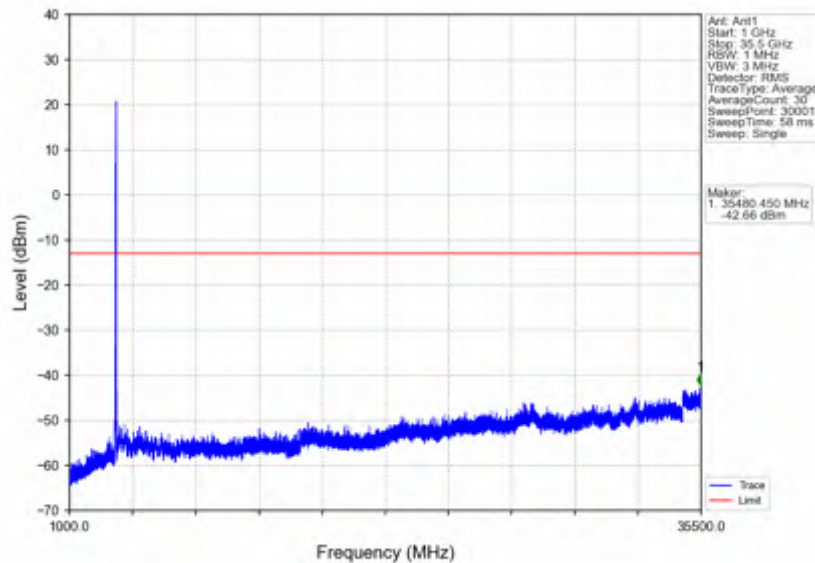
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n78e\_15kHz\_SISO\_NTV\_40MHz\_DFT-s-OFDM\_QPSK\_3529.995MHz\_Inner\_1RB\_Right



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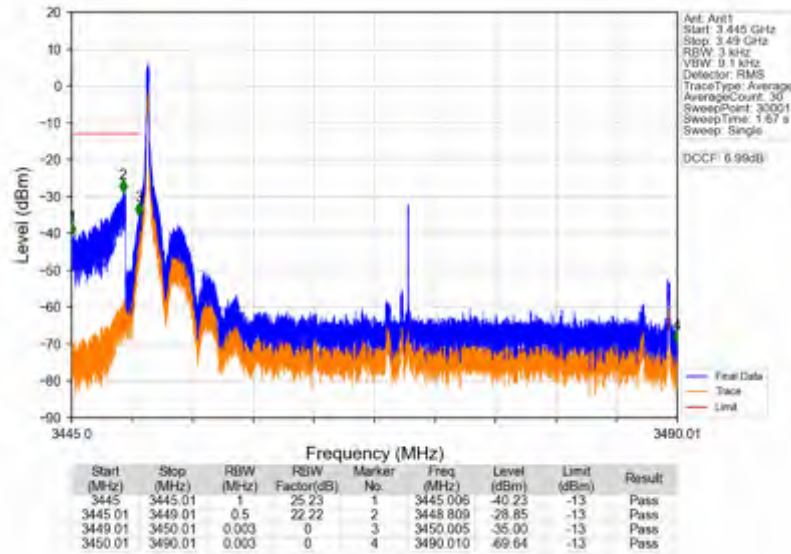
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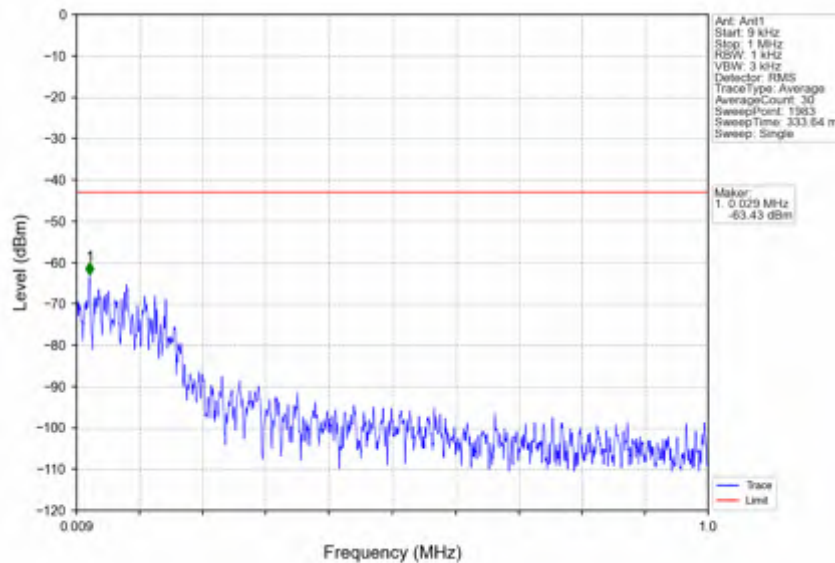
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n78e\_15kHz\_SISO\_NTVV\_40MHz\_CP-OFDM\_QPSK\_3470.01MHz\_Edge\_1RB\_Left



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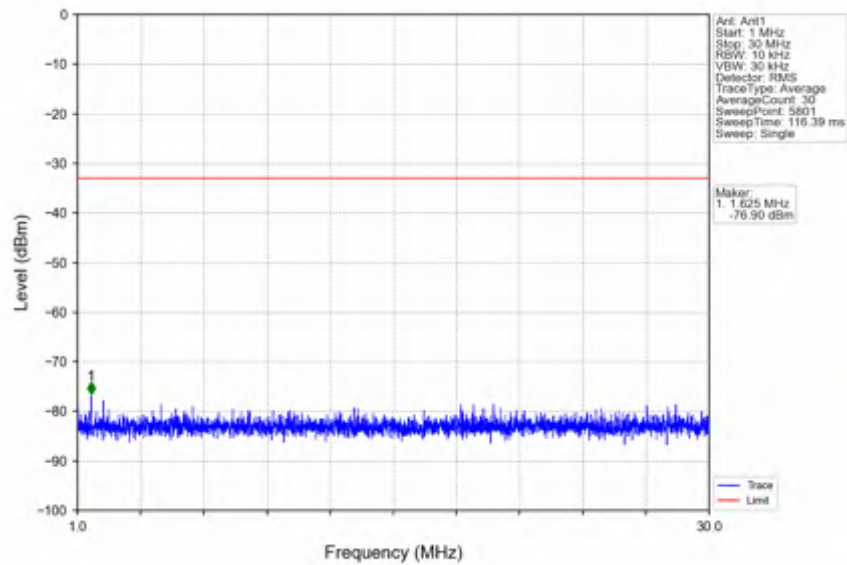
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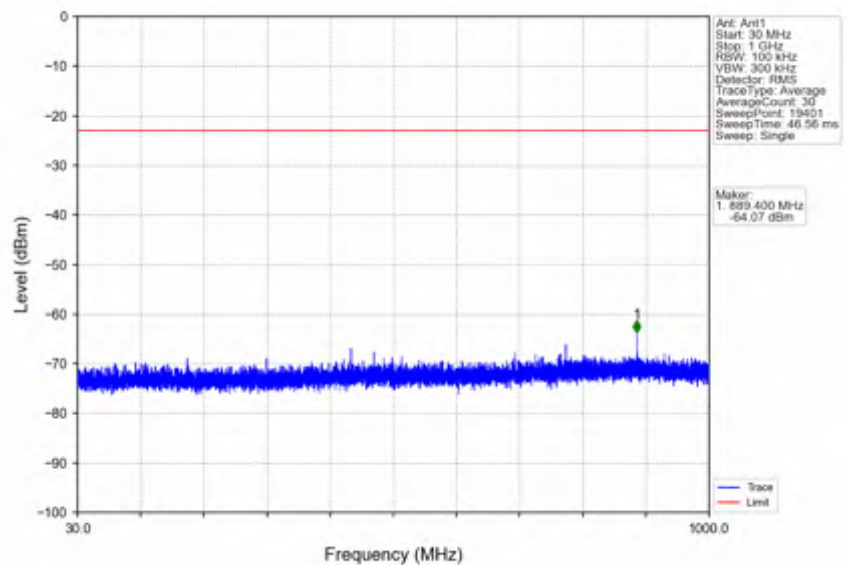
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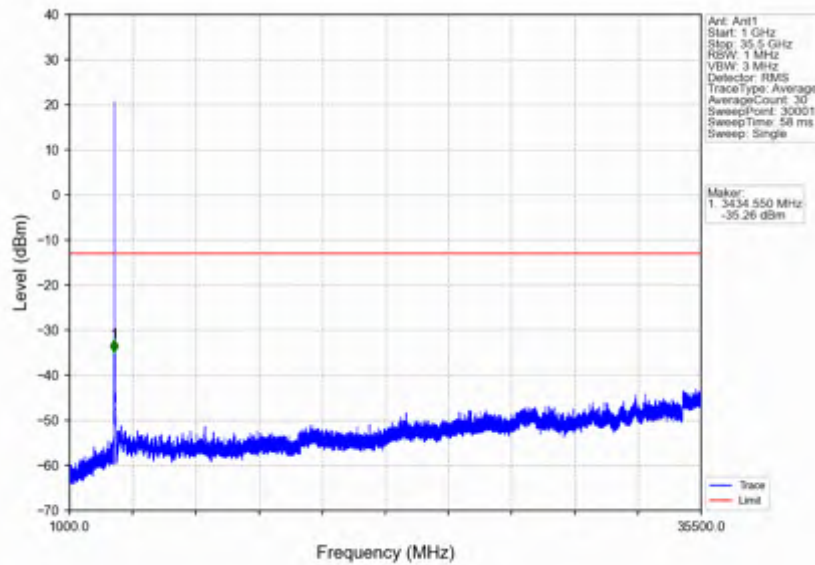
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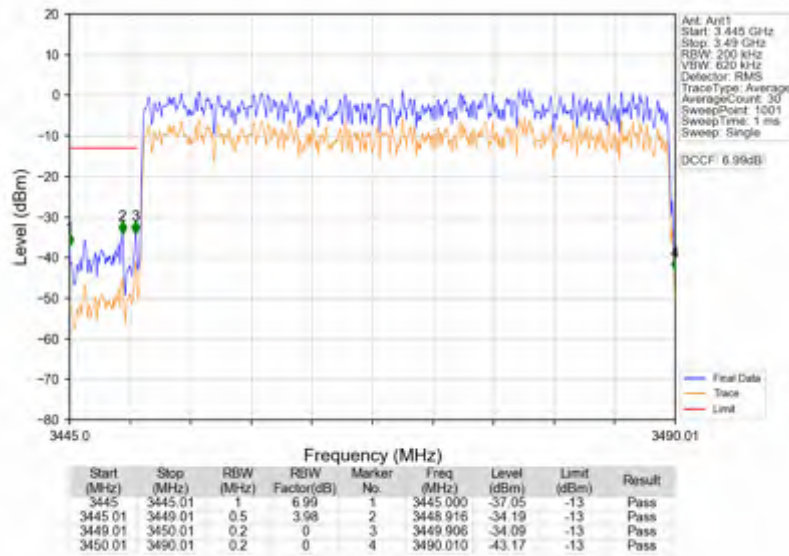
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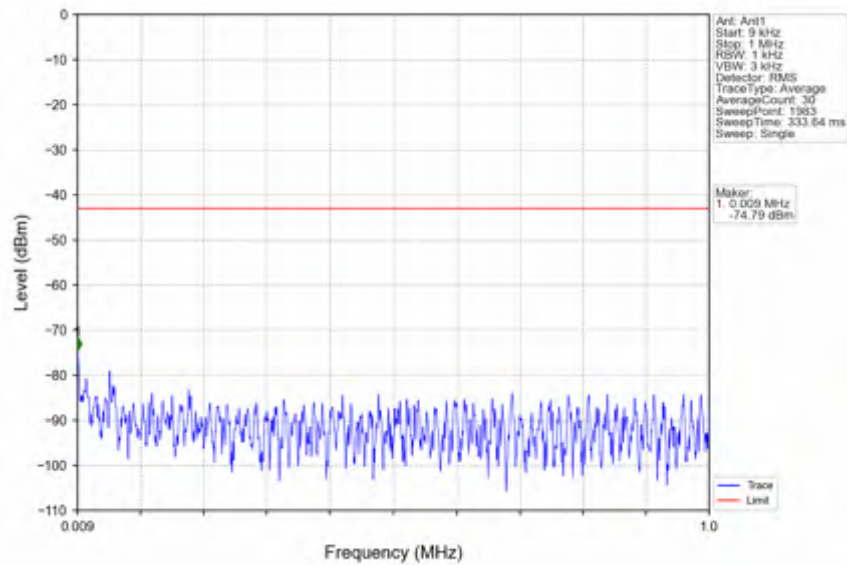
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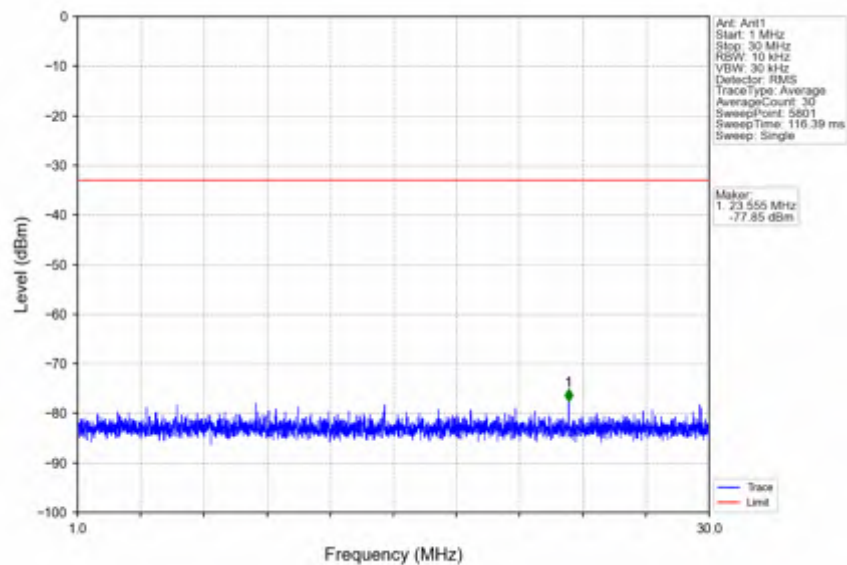
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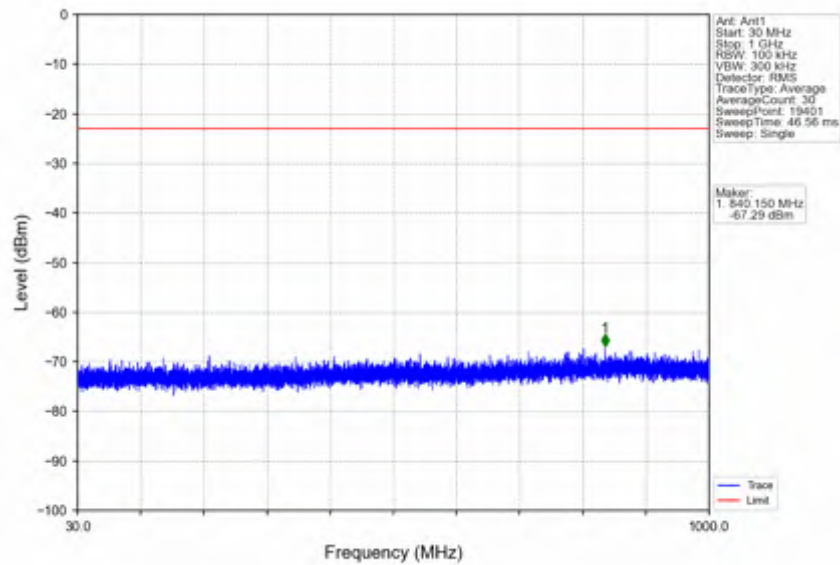
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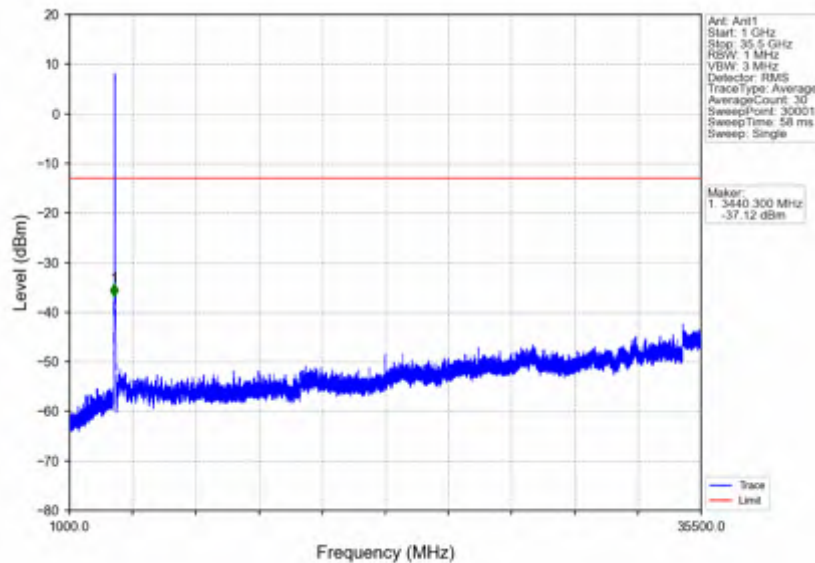
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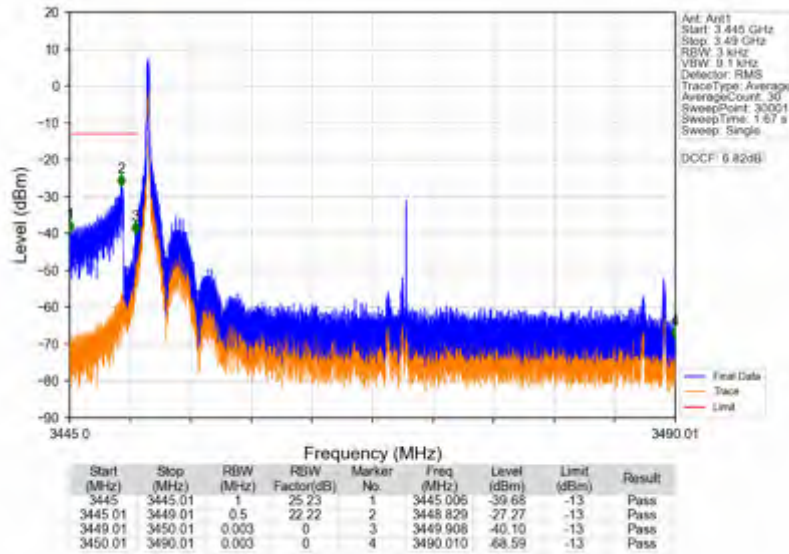
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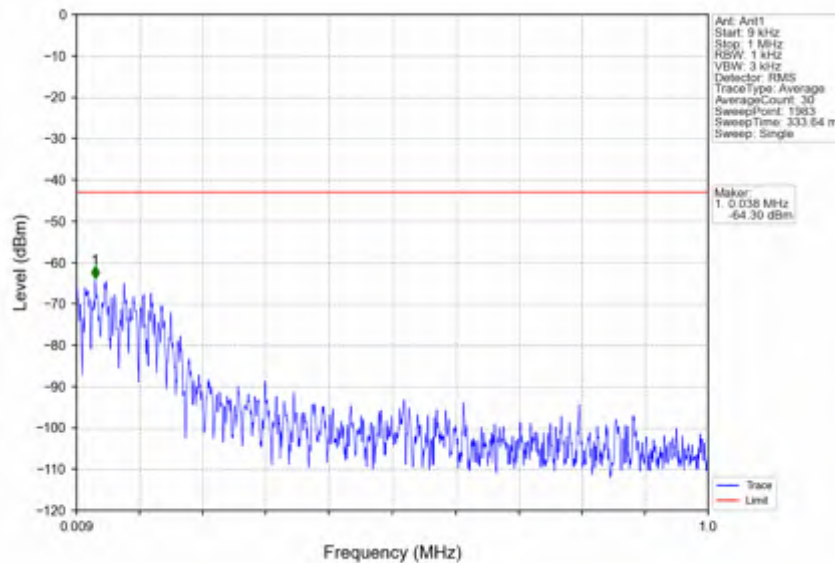
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n78e\_15kHz\_SISO\_NTVV\_40MHz\_CP-OFDM\_QPSK\_3470.01MHz\_Inner\_1RB\_Left



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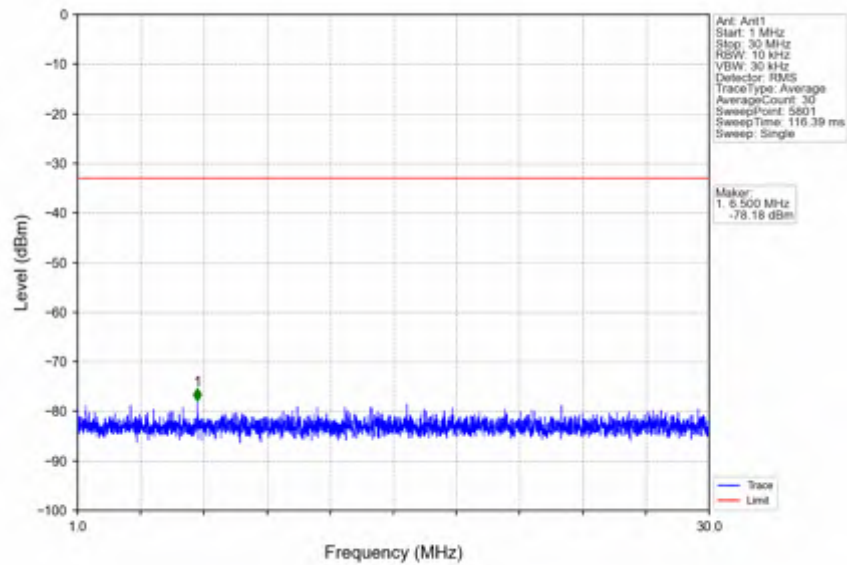


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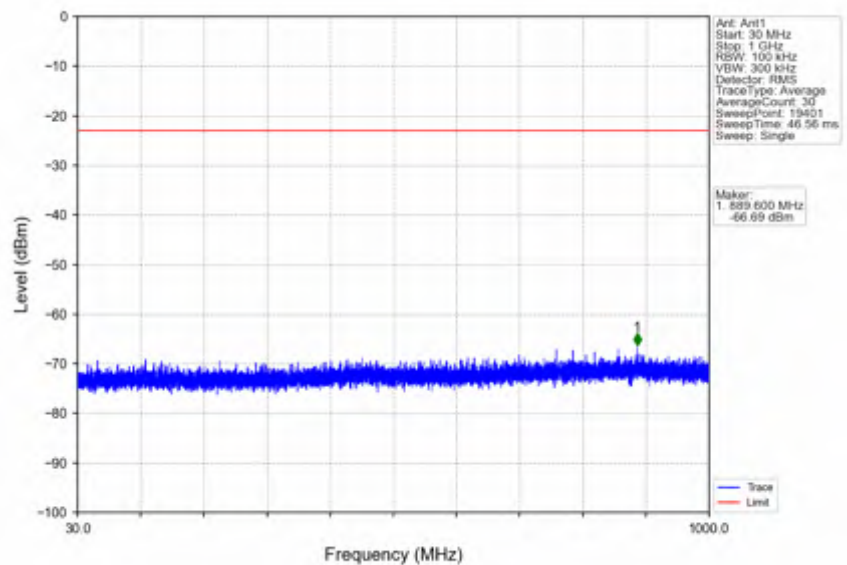
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n78e\_15kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3470.01MHz\_Inner\_1RB\_Left



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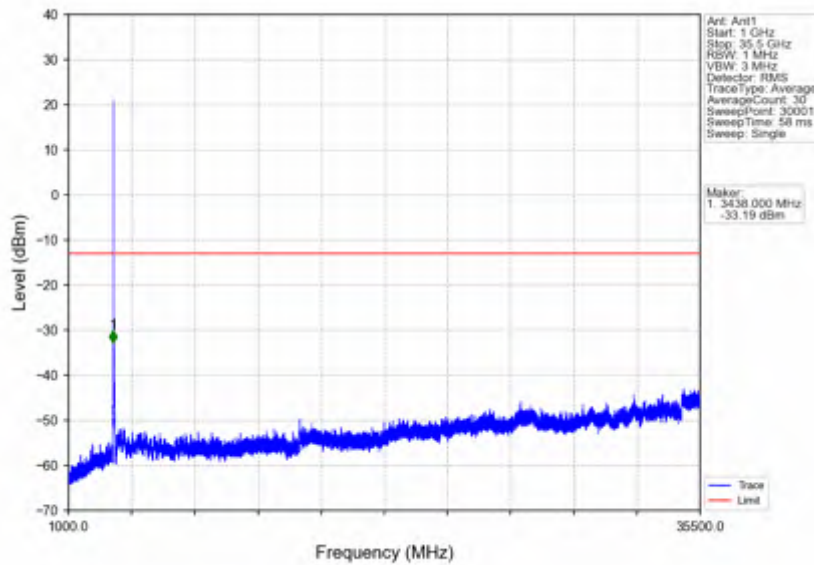
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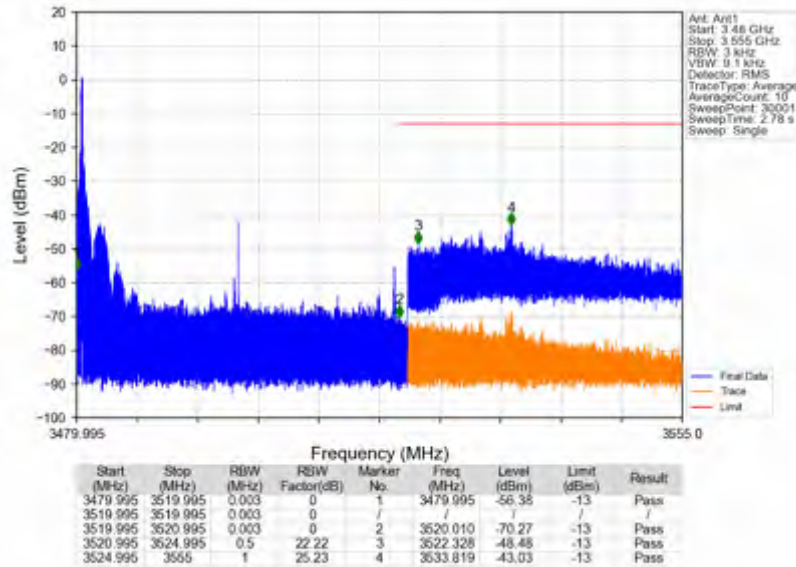
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n78e\_15kHz\_SISO\_NTV\_40MHz\_CP-OFDM QPSK\_3470.01MHz\_Inner\_1RB\_Left



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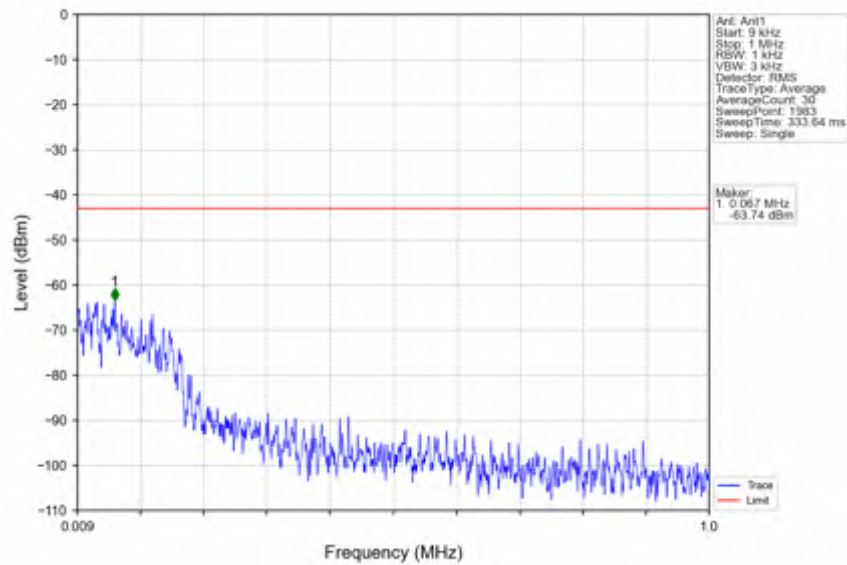


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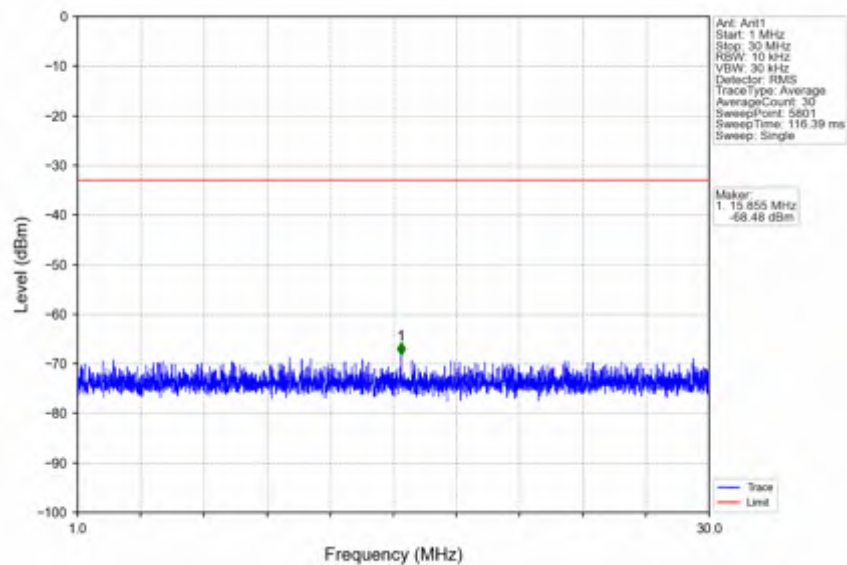
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n78e\_15kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3499.995MHz\_Edge\_1RB\_Left



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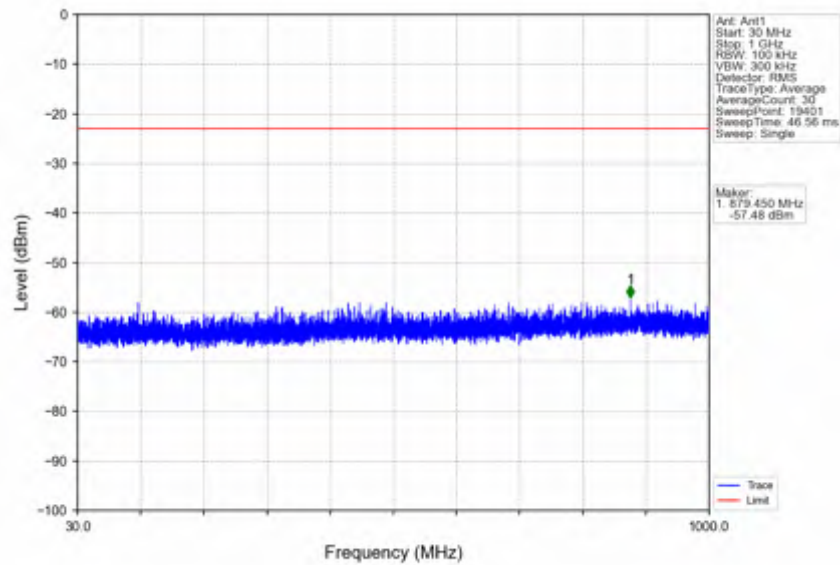
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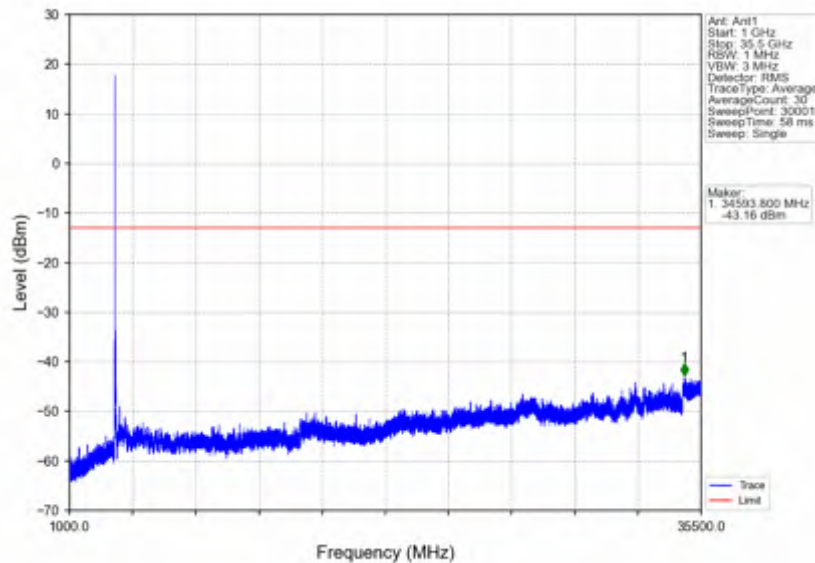
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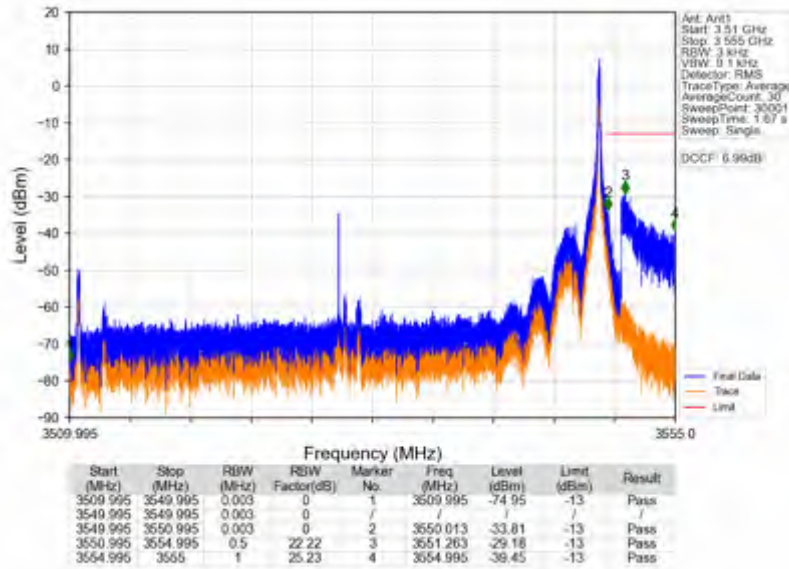
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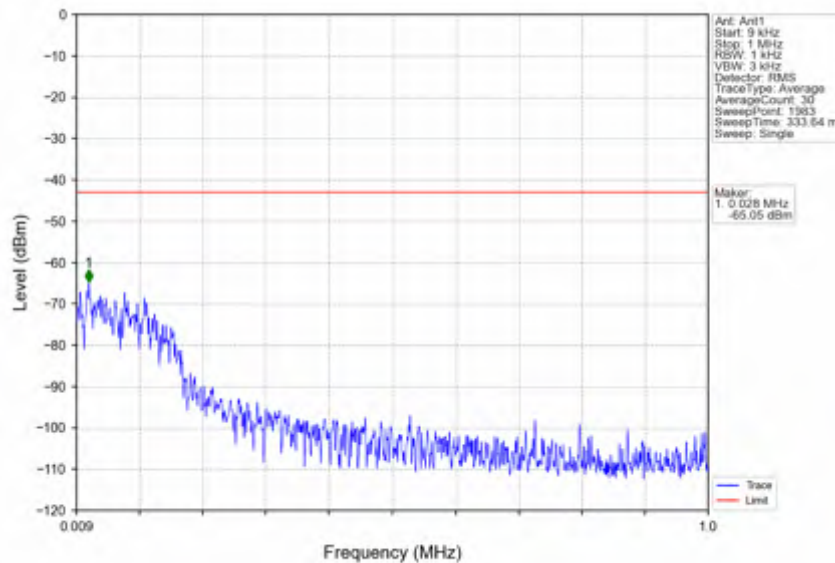
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n78e\_15kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3529.995MHz\_Edge\_1RB\_Right



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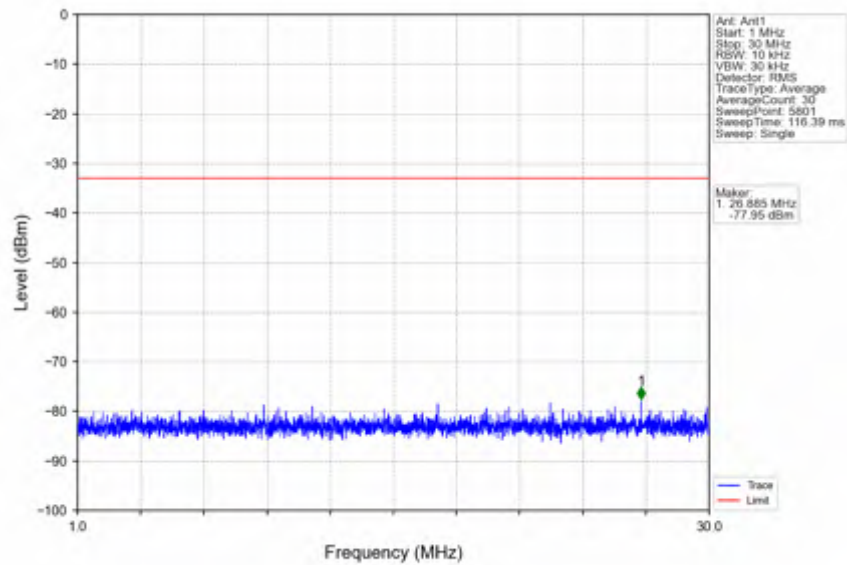


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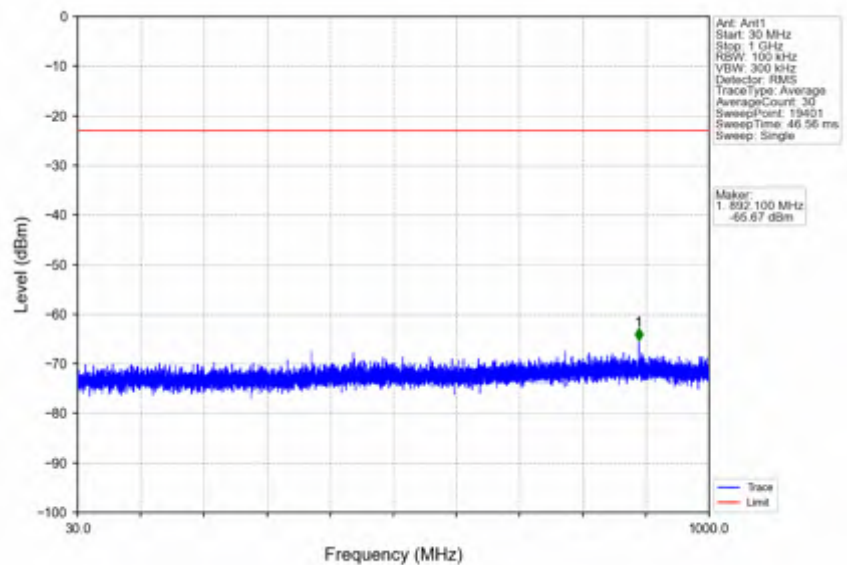
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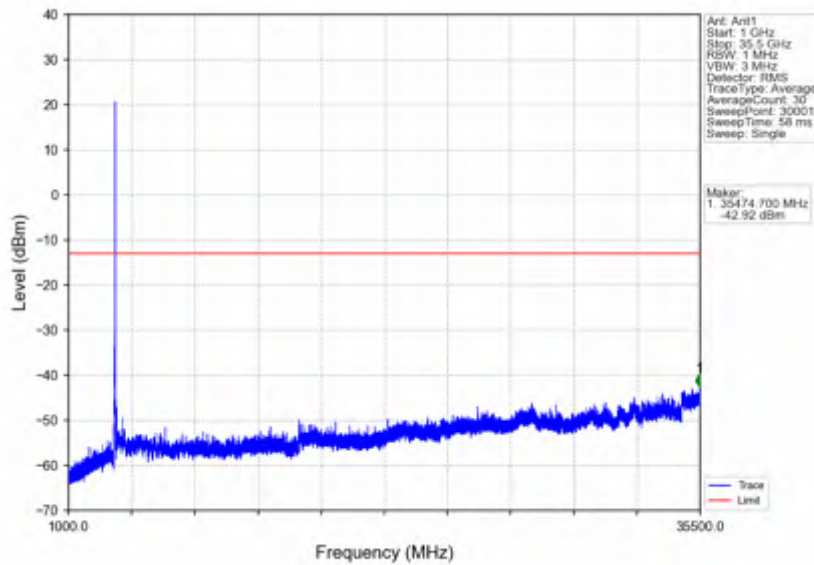
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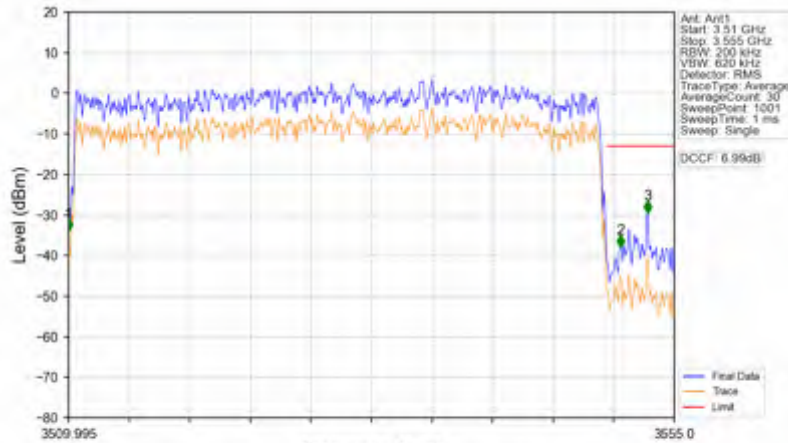
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n78e\_15kHz\_SISO\_NTV\_40MHz\_CP-OFDM QPSK\_3529.995MHz\_Outer\_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3509.995	3549.995	0.2	0	1	3509.995	-33.99	-13	Pass
3549.995	3549.995	0.2	0	1	3549.995	-33.99	-13	Pass
3549.995	3550.995	0.2	0	2	3550.995	-38.03	-13	Pass
3550.995	3554.995	0.5	3.98	3	3553.020	-29.56	-13	Pass



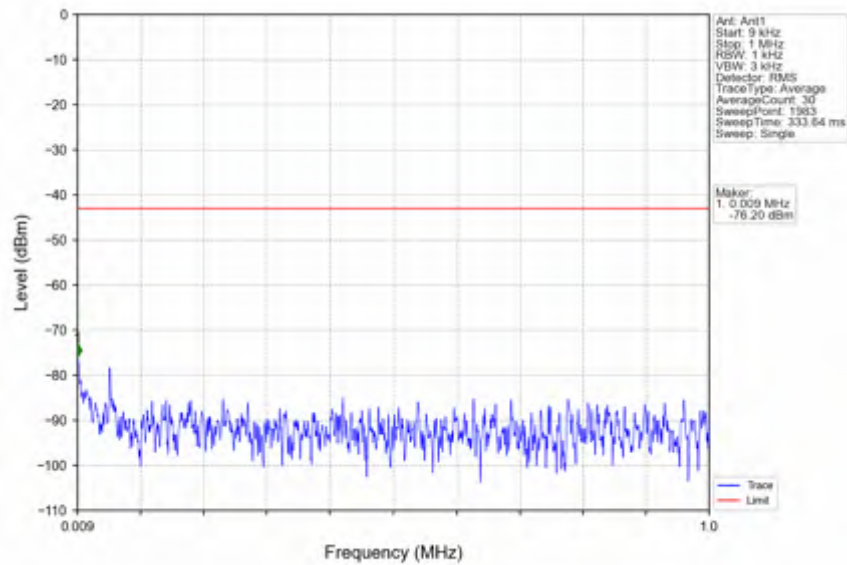
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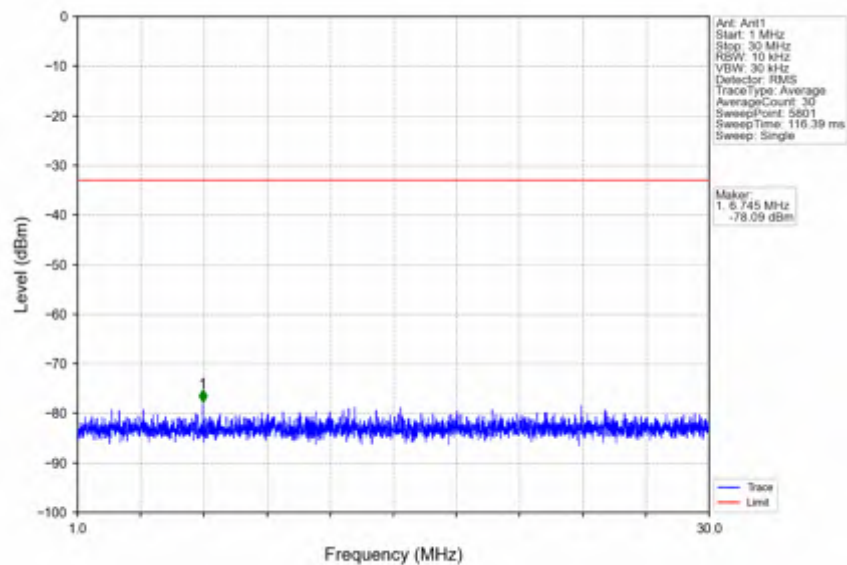
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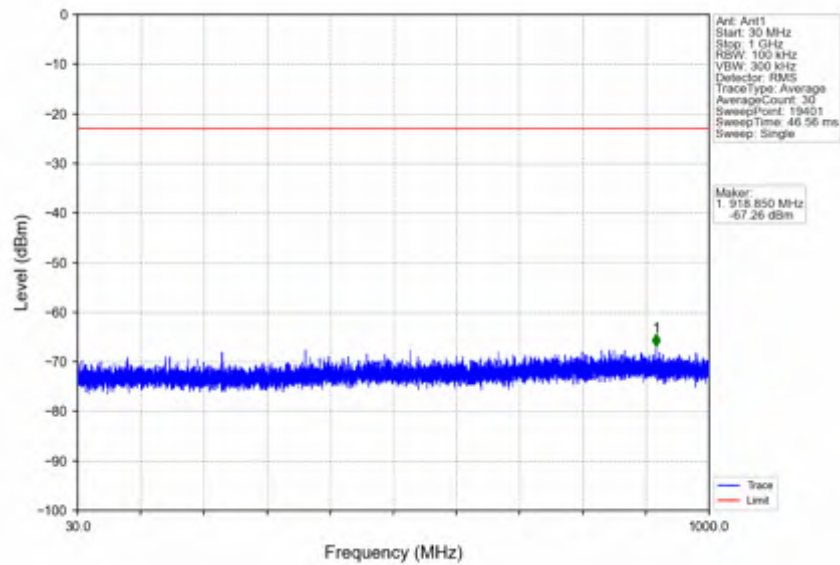
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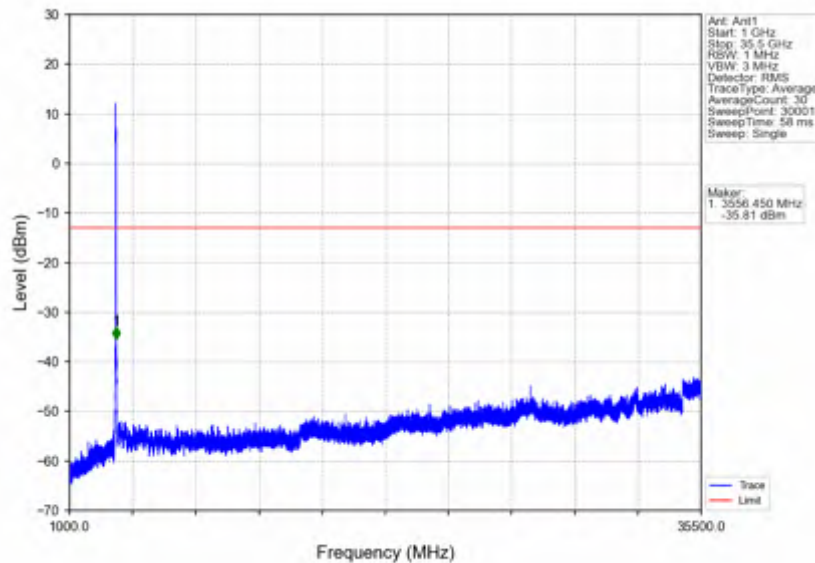
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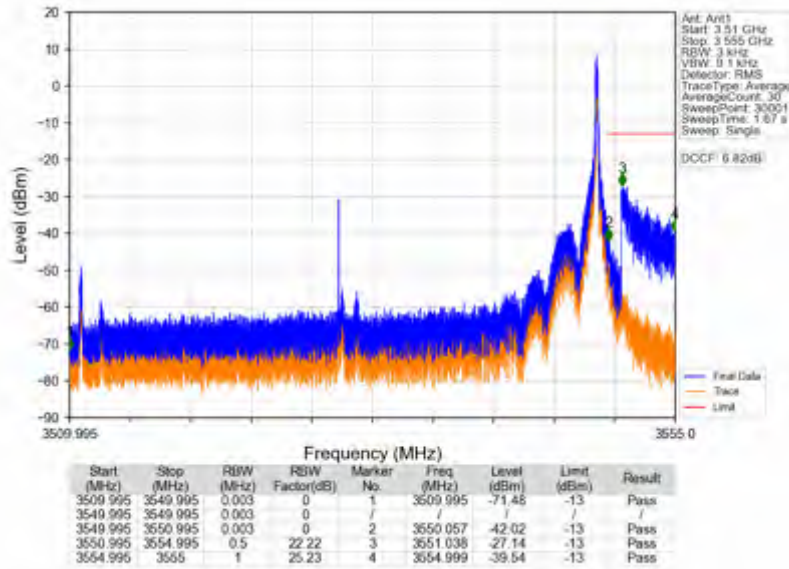
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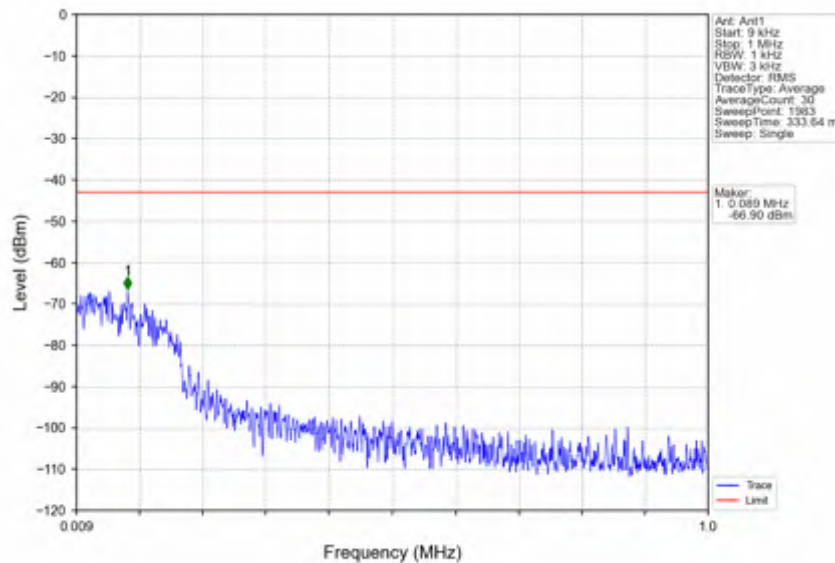
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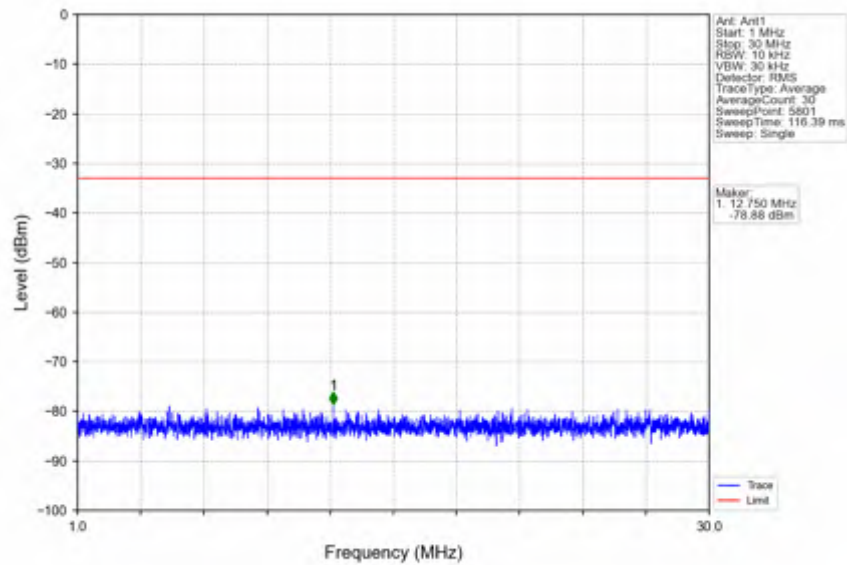


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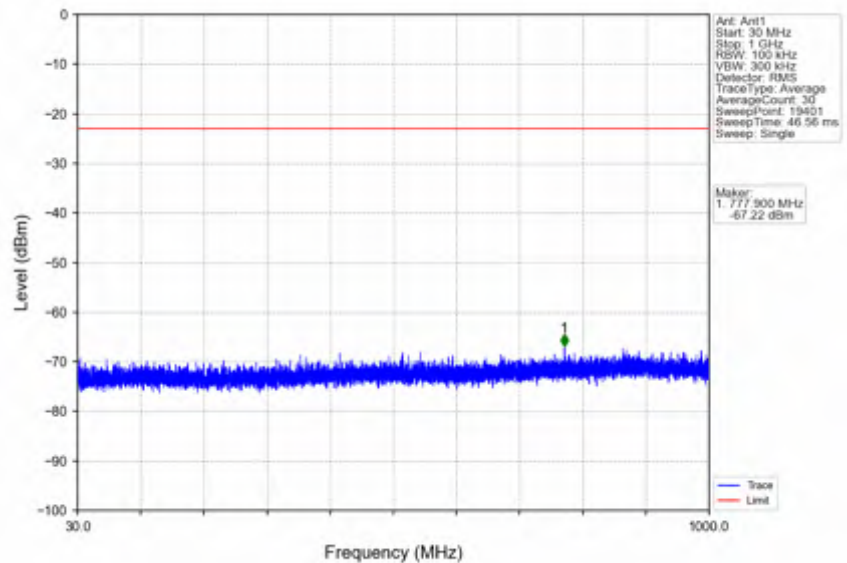
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n78e\_15kHz\_SISO\_NTV\_40MHz\_CP-OFDM QPSK\_3529.995MHz\_Inner\_1RB\_Right



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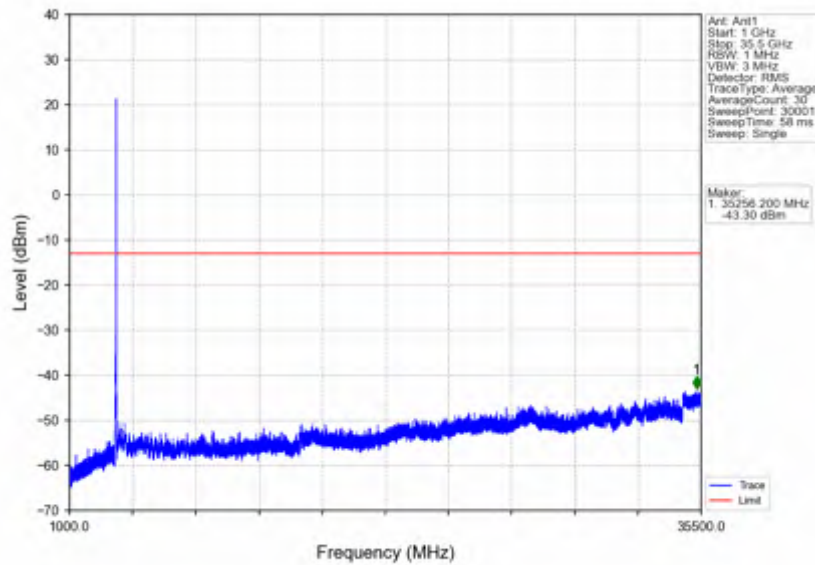
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## 9.7 15k\_SISO\_50MHz\_NTNV

### 9.7.1 Test Result

5G NR n78e SCS=15kHz SISO 50MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict	
			Ant1	Ant2	Sum		Limit
DFT-s-OFDM PI/2 BPSK	3475.005	Edge_1RB_Left	Refer To Test Graph			Pass	
		Outer_Full	Refer To Test Graph			Pass	
		Inner_1RB_Left	Refer To Test Graph			Pass	
	3499.995	Edge_1RB_Left	Refer To Test Graph			Pass	
		3525	Edge_1RB_Right	Refer To Test Graph			Pass
			Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM QPSK	3475.005	Edge_1RB_Left	Refer To Test Graph			Pass	
		Outer_Full	Refer To Test Graph			Pass	
		Inner_1RB_Left	Refer To Test Graph			Pass	
	3499.995	Edge_1RB_Left	Refer To Test Graph			Pass	
		3525	Edge_1RB_Right	Refer To Test Graph			Pass
			Outer_Full	Refer To Test Graph			Pass
CP-OFDM QPSK	3475.005	Edge_1RB_Left	Refer To Test Graph			Pass	
		Outer_Full	Refer To Test Graph			Pass	
		Inner_1RB_Left	Refer To Test Graph			Pass	
	3499.995	Edge_1RB_Left	Refer To Test Graph			Pass	
		3525	Edge_1RB_Right	Refer To Test Graph			Pass
			Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Right	Refer To Test Graph			Pass	

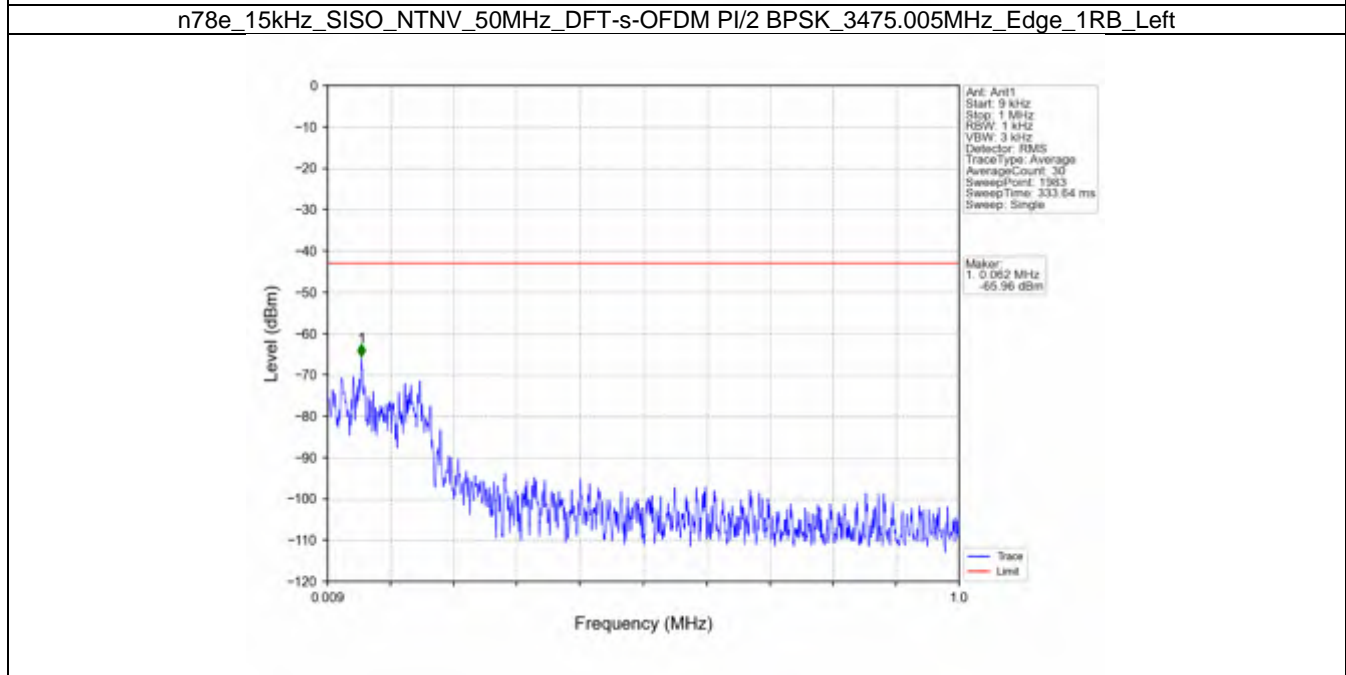
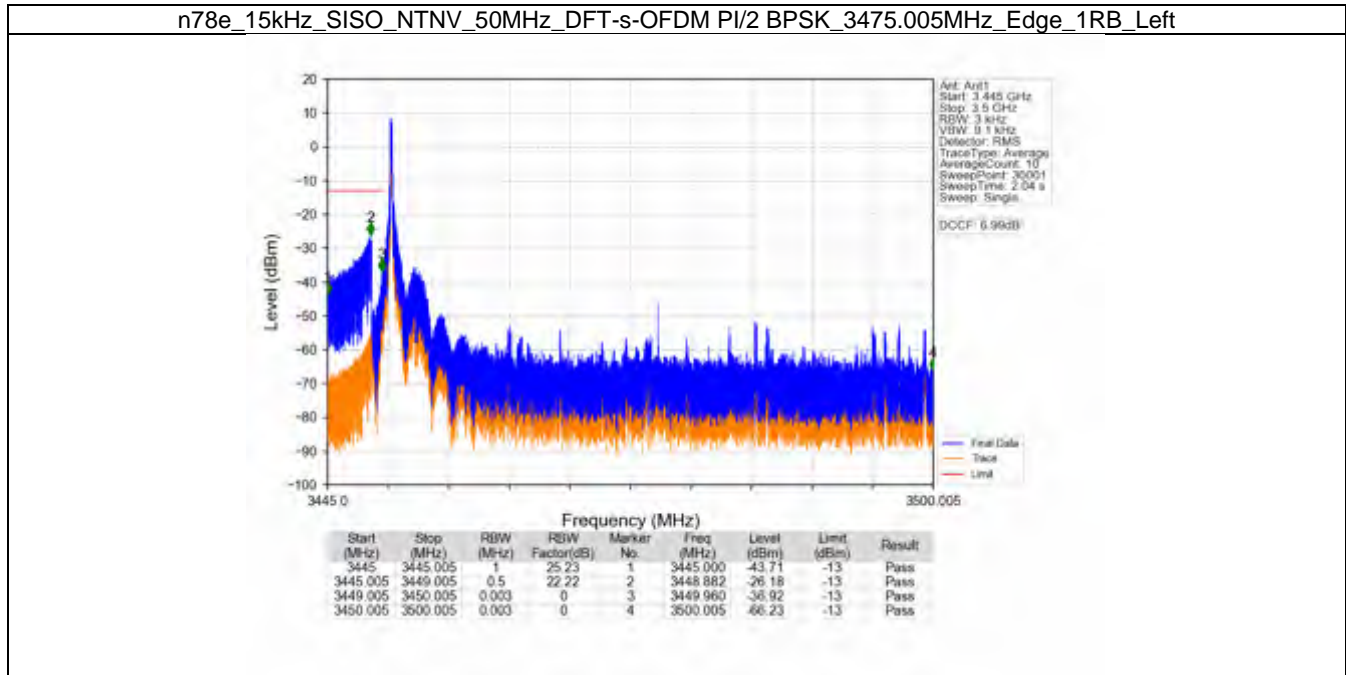


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## 9.7.2 Test Graph



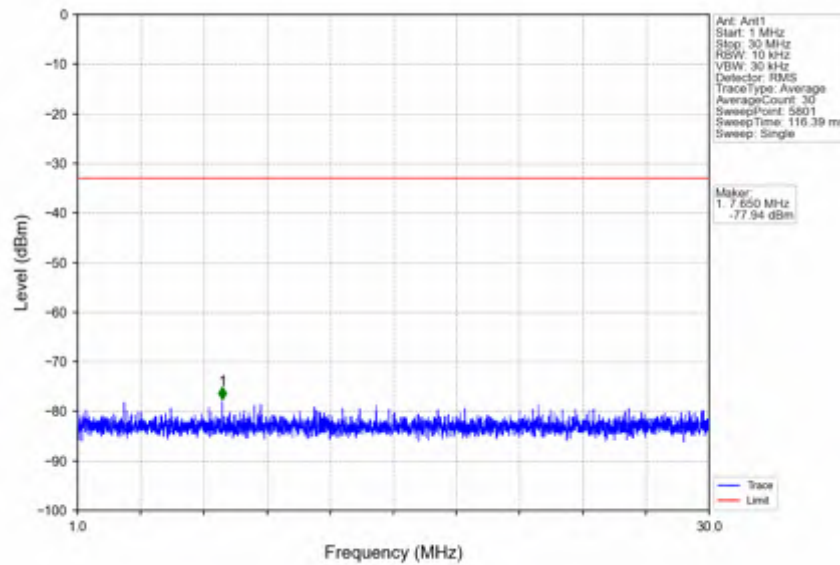
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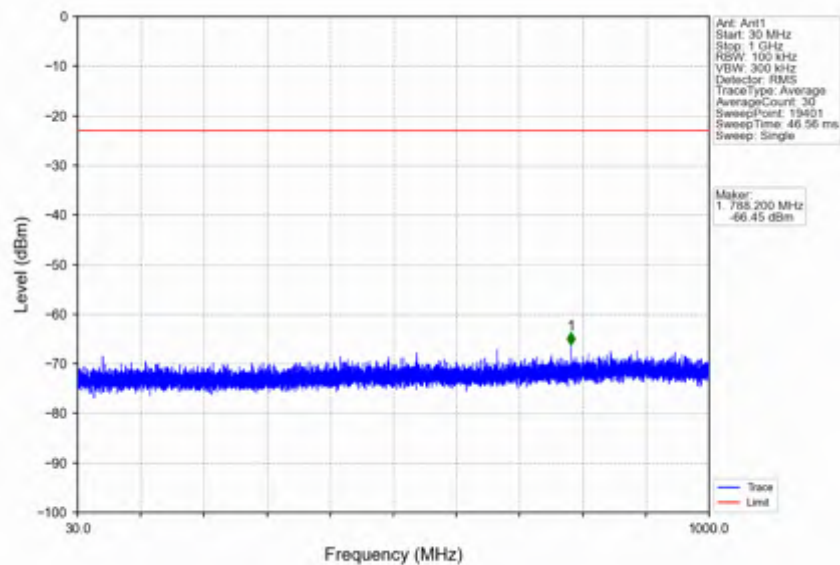
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM PI/2 BPSK\_3475.005MHz\_Edge\_1RB\_Left



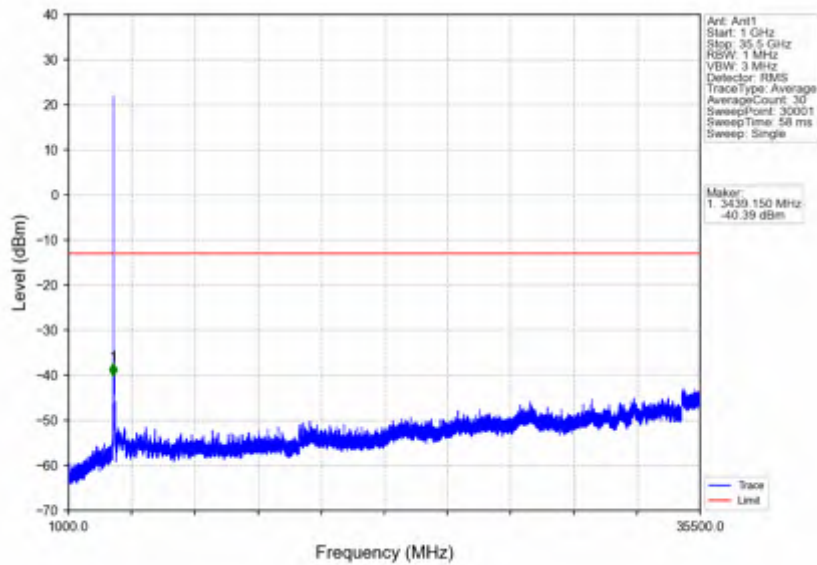
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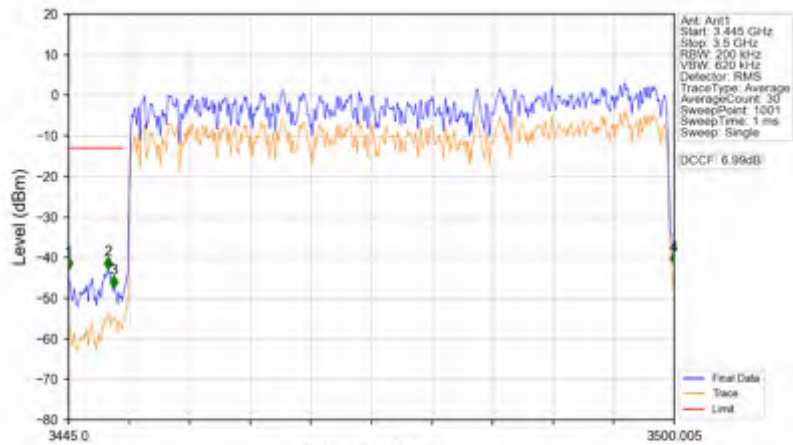
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM PI/2 BPSK\_3475.005MHz\_Outer\_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.005	1	6.99	1	3445.000	-43.03	-13	Pass
3445.005	3449.005	0.5	3.98	2	3448.575	-42.88	-13	Pass
3449.005	3450.005	0.2	0	3	3449.125	-47.49	-13	Pass
3450.005	3500.005	0.2	0	4	3500.005	-41.74	-13	Pass

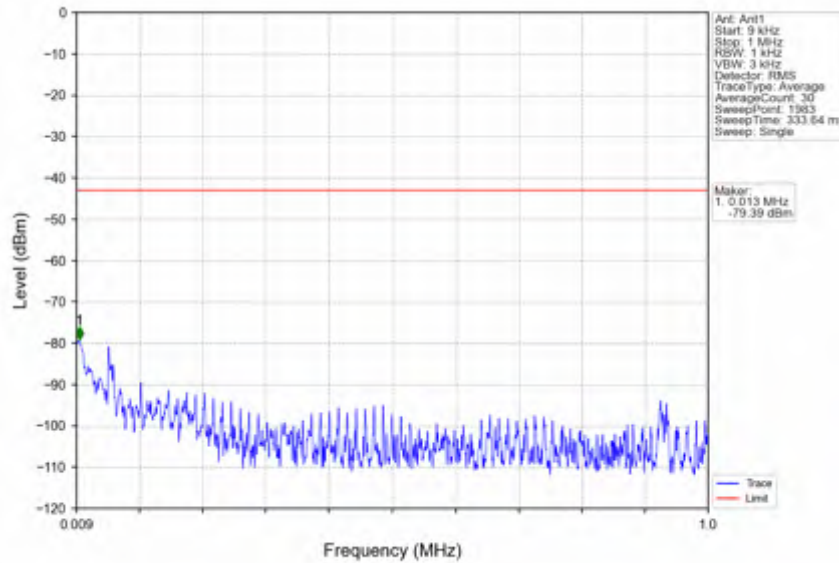


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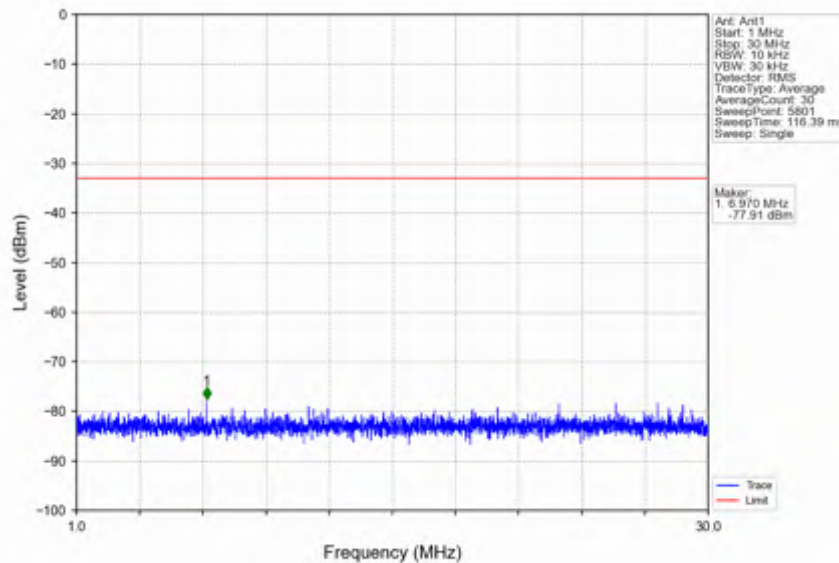
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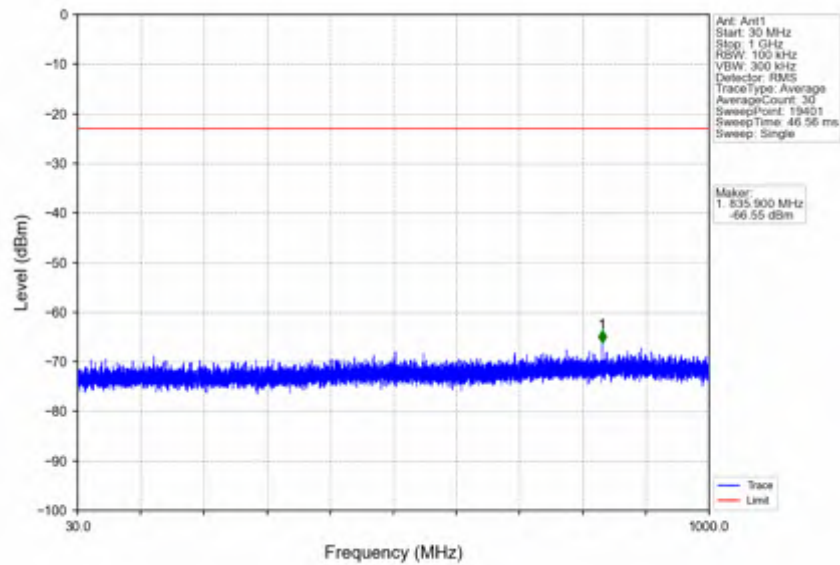
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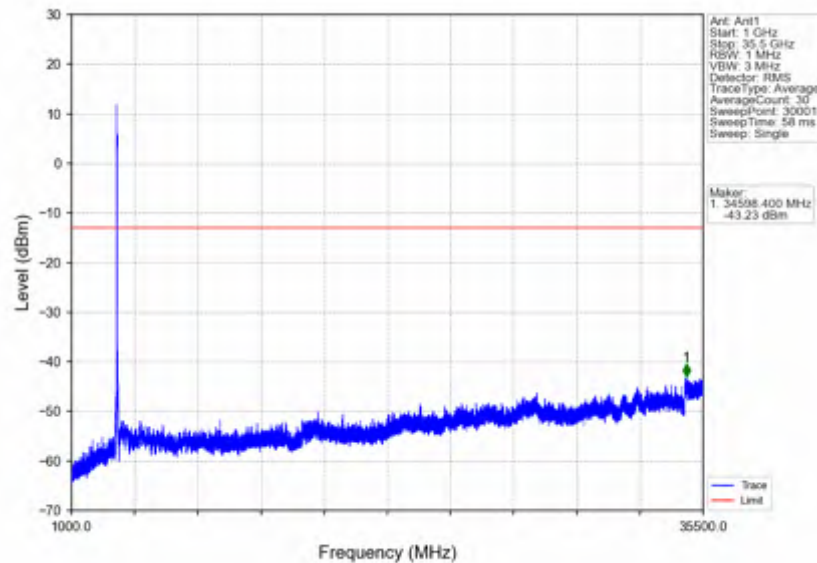
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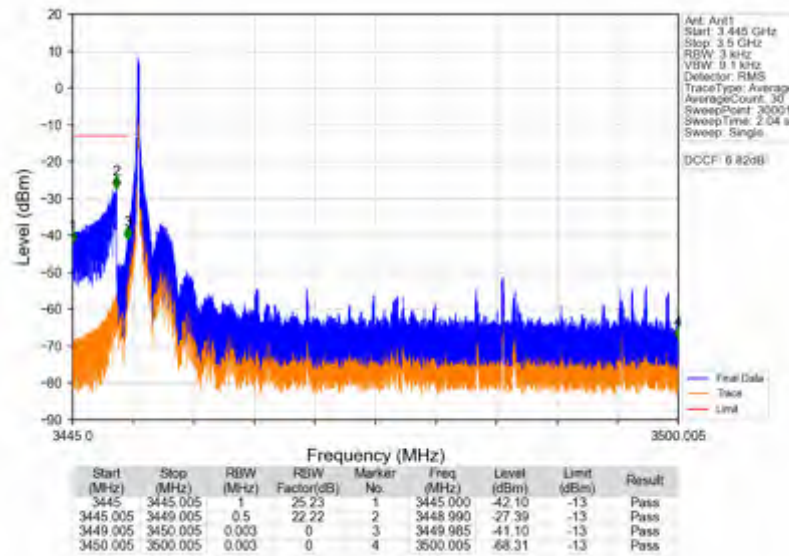
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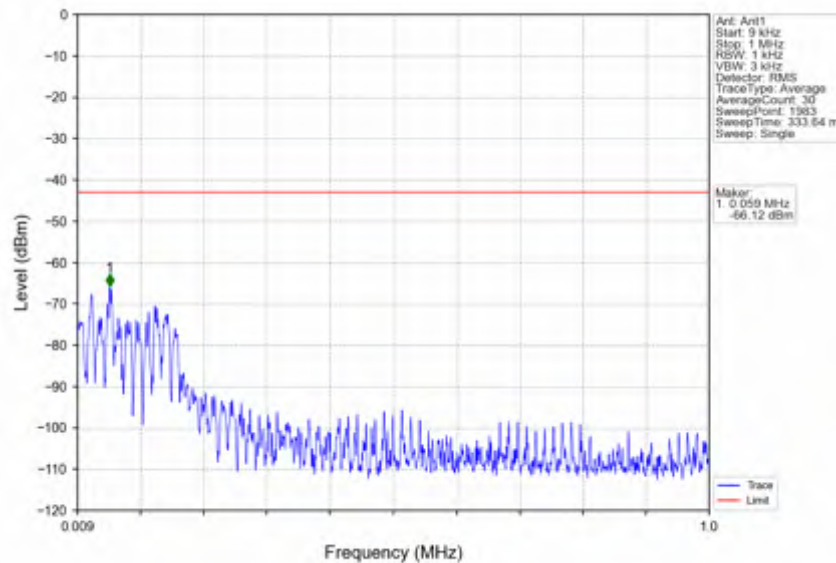
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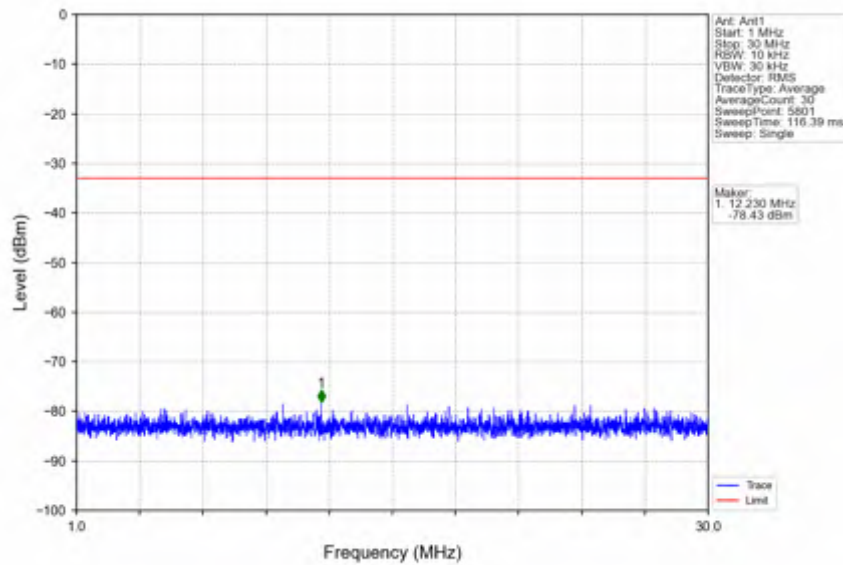
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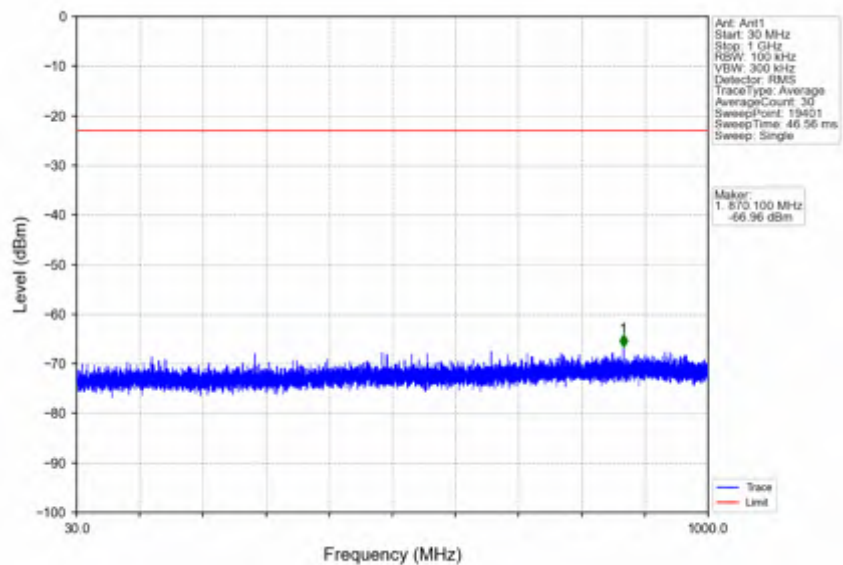
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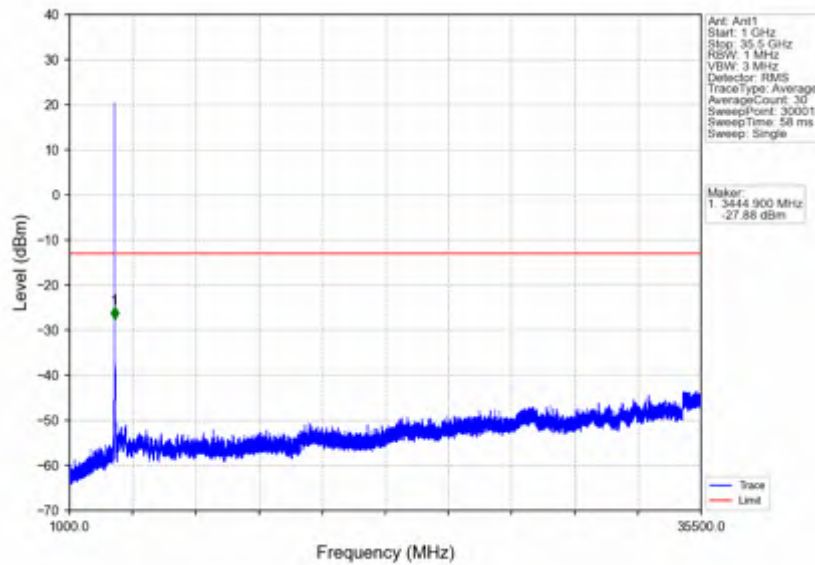


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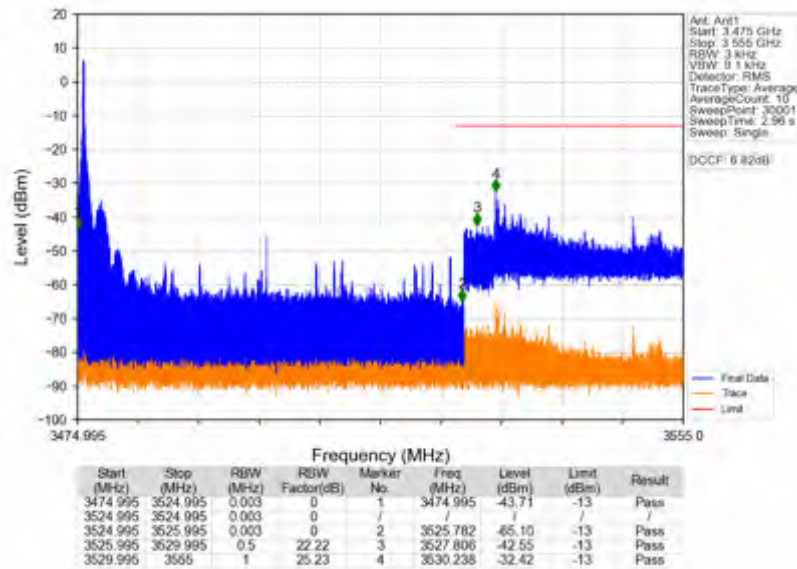
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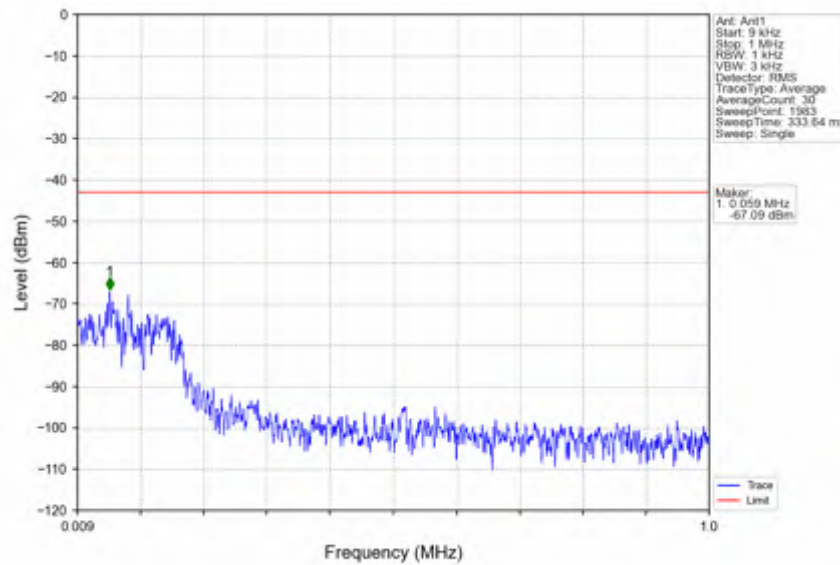
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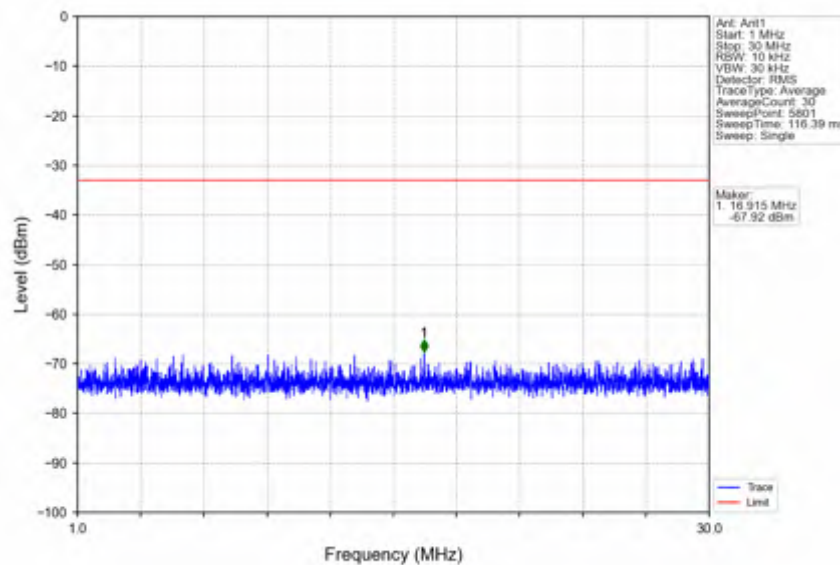
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM PI/2 BPSK\_3499.995MHz\_Edge\_1RB\_Left



n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM PI/2 BPSK\_3499.995MHz\_Edge\_1RB\_Left



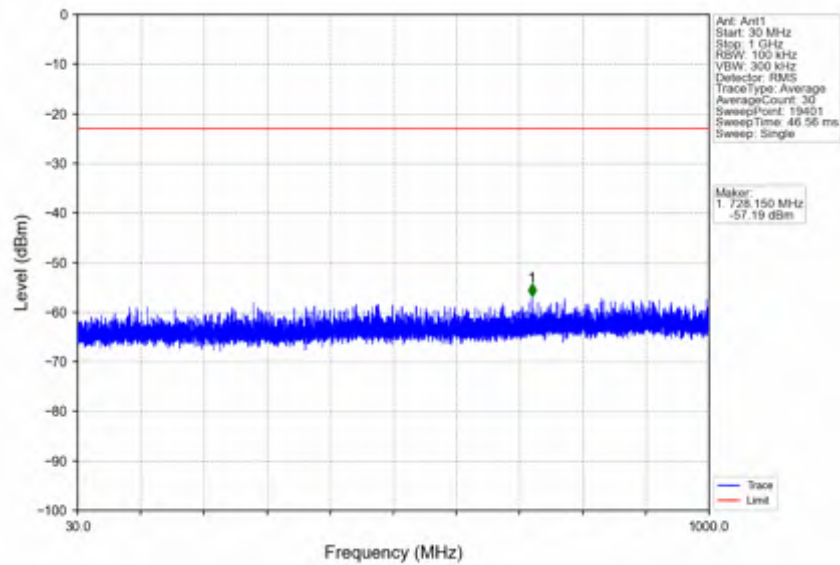
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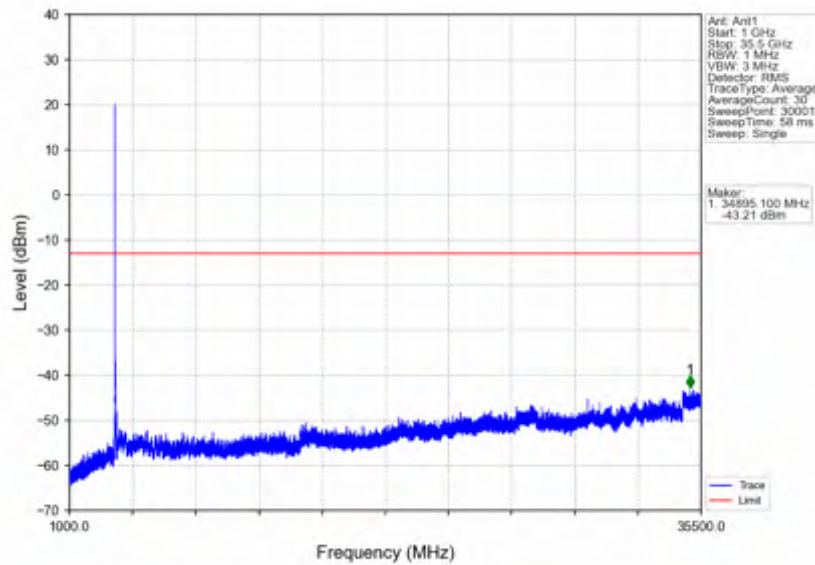
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM PI/2 BPSK\_3499.995MHz\_Edge\_1RB\_Left



n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM PI/2 BPSK\_3499.995MHz\_Edge\_1RB\_Left



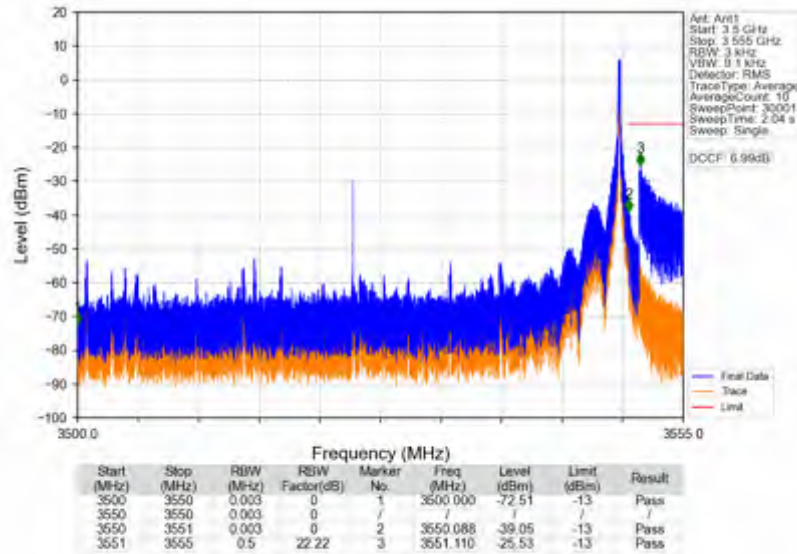
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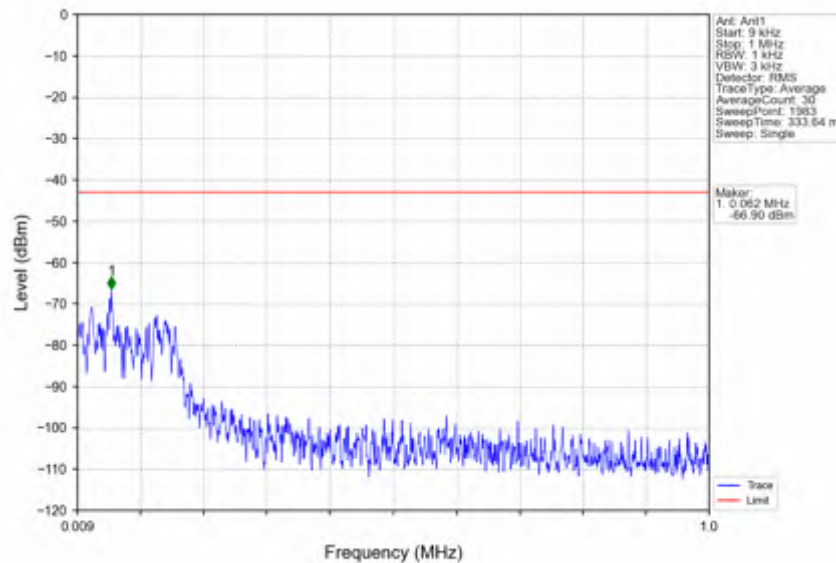
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_PI/2\_BPSK\_3525MHz\_Edge\_1RB\_Right



n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_PI/2\_BPSK\_3525MHz\_Edge\_1RB\_Right

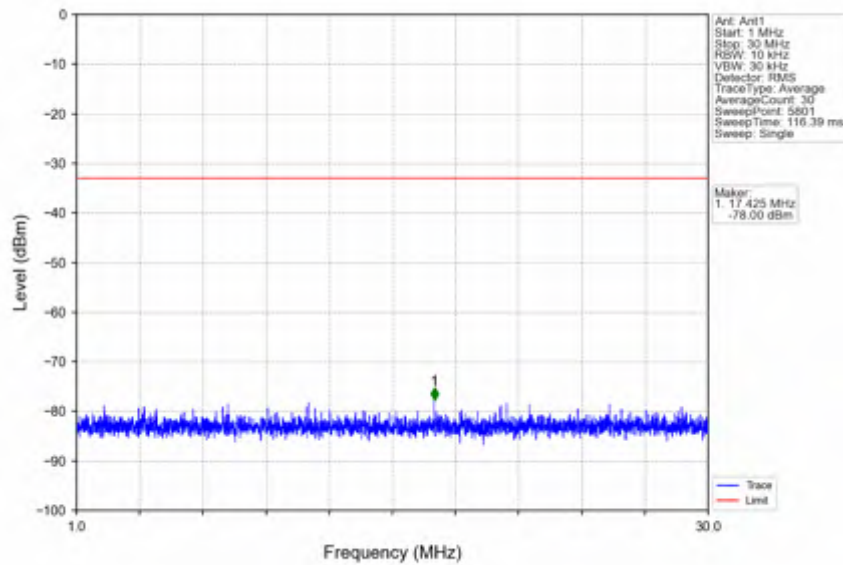


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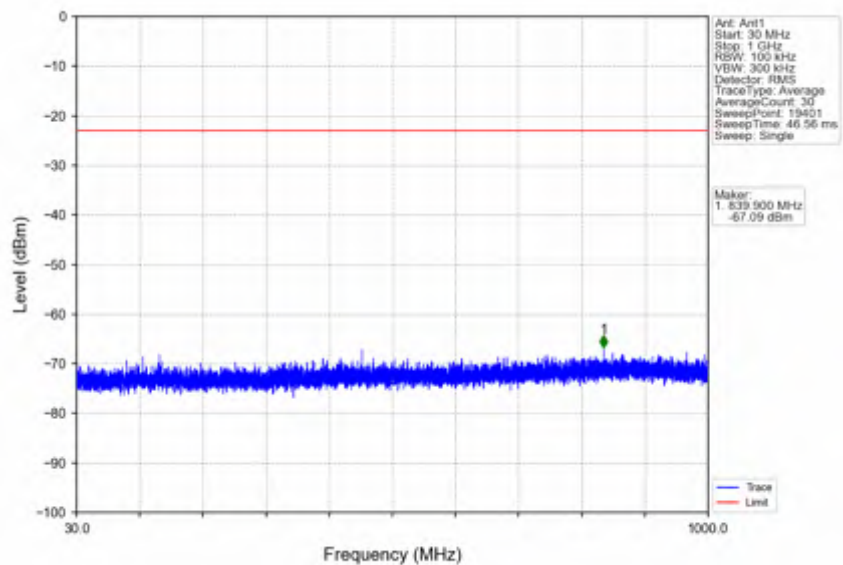
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n78e\_15kHz\_SISO\_NTV\_50MHz\_DFT-s-OFDM PI/2 BPSK\_3525MHz\_Edge\_1RB\_Right



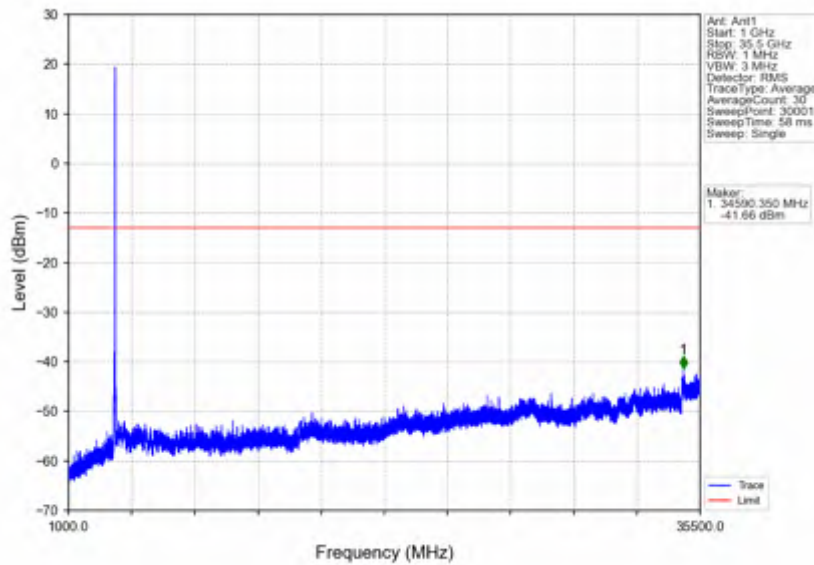
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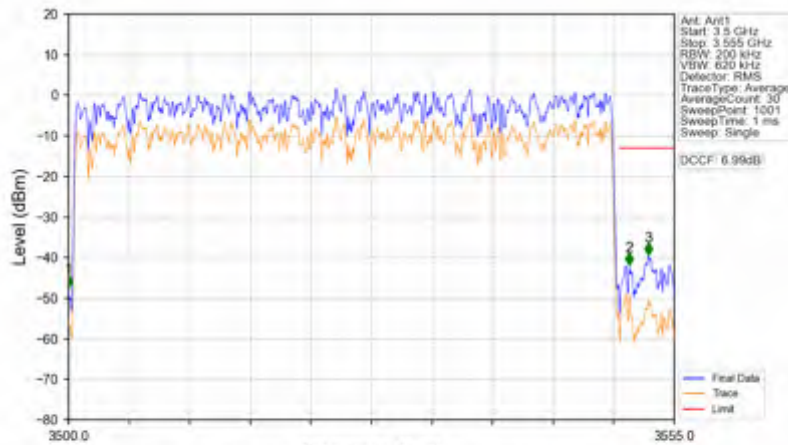
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM PI/2 BPSK\_3525MHz\_Edge\_1RB\_Right



n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM PI/2 BPSK\_3525MHz\_Outer\_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3500	3550	0.2	0	1	3500.000	-47.31	-13	Pass
3550	3550	0.2	0	2	3550.000	-41.93	-13	Pass
3550	3551	0.2	0	2	3550.930	-41.93	-13	Pass
3551	3555	0.5	3.98	3	3552.690	-39.45	-13	Pass



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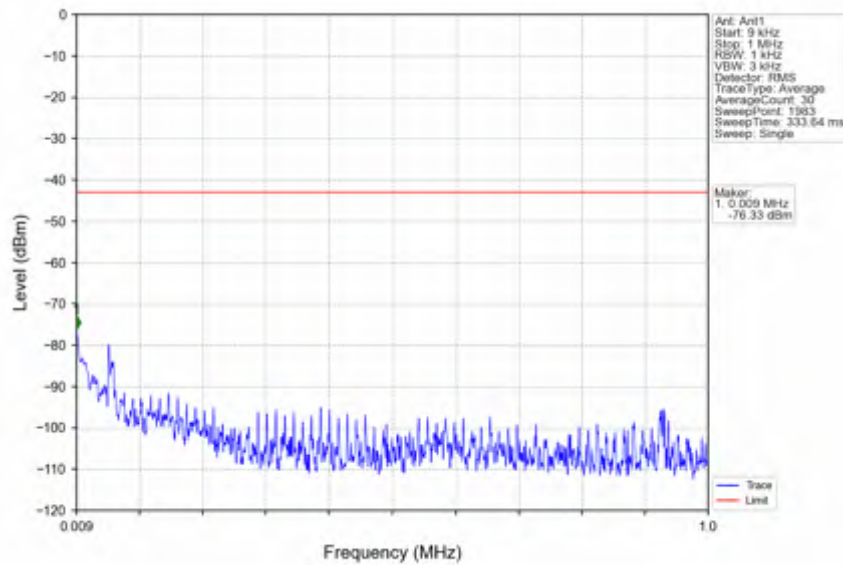
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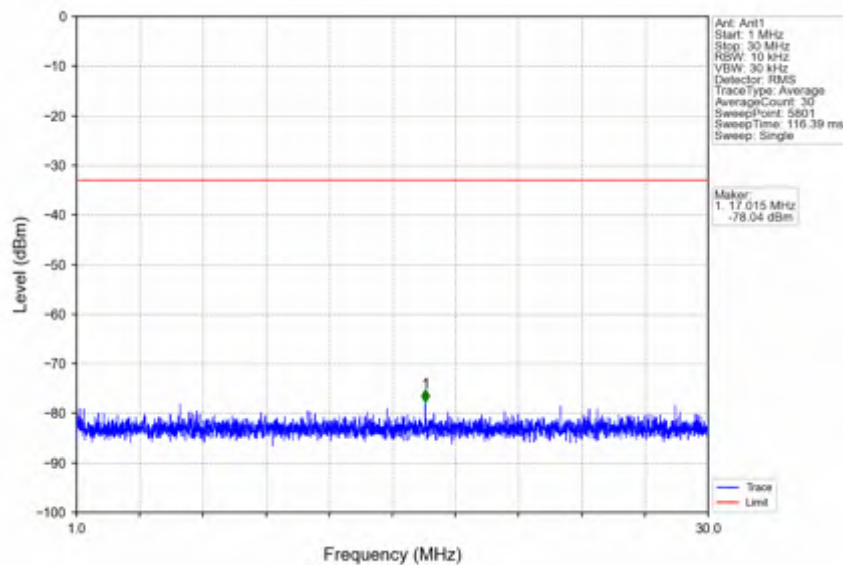
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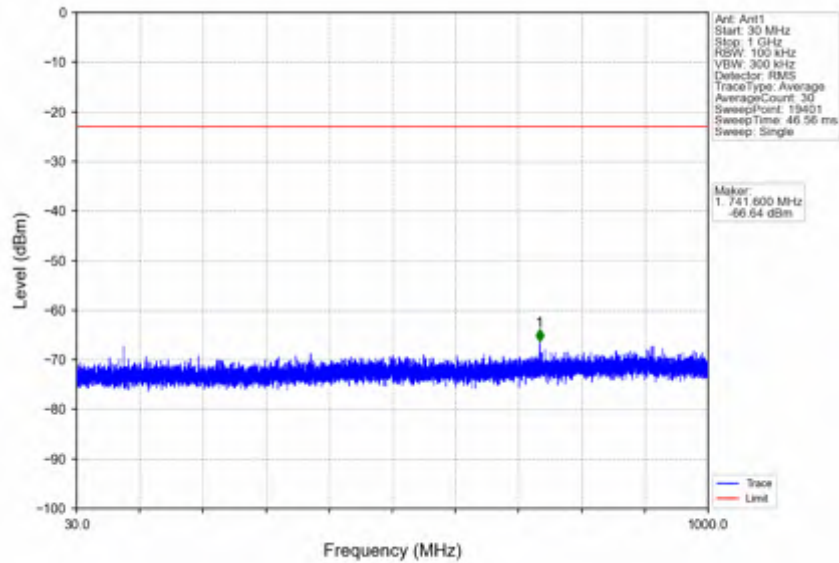
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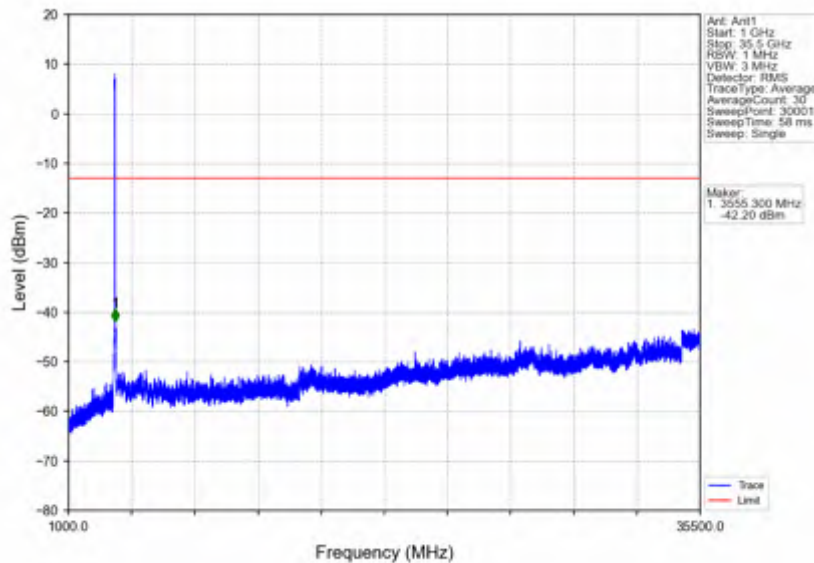
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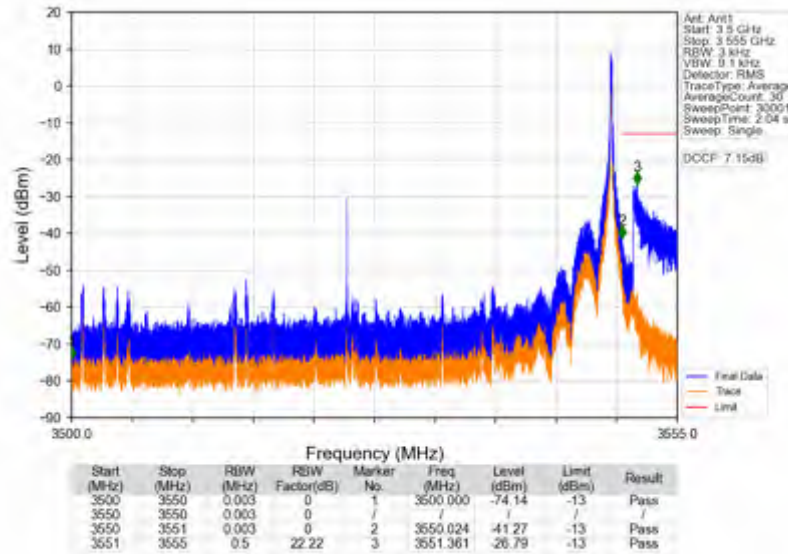
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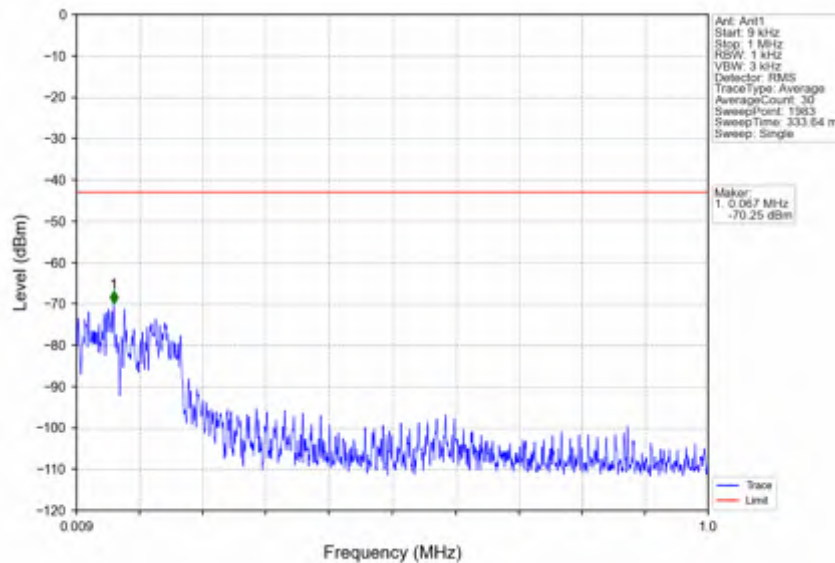
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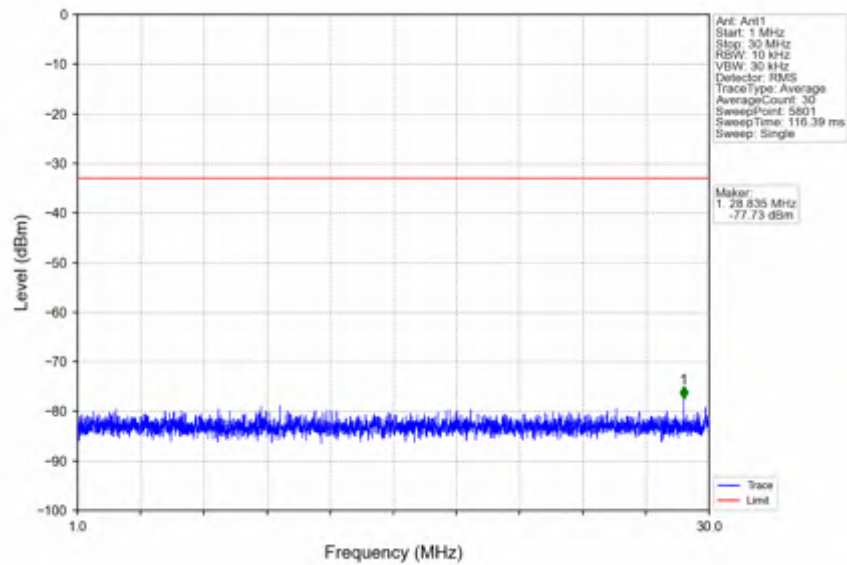


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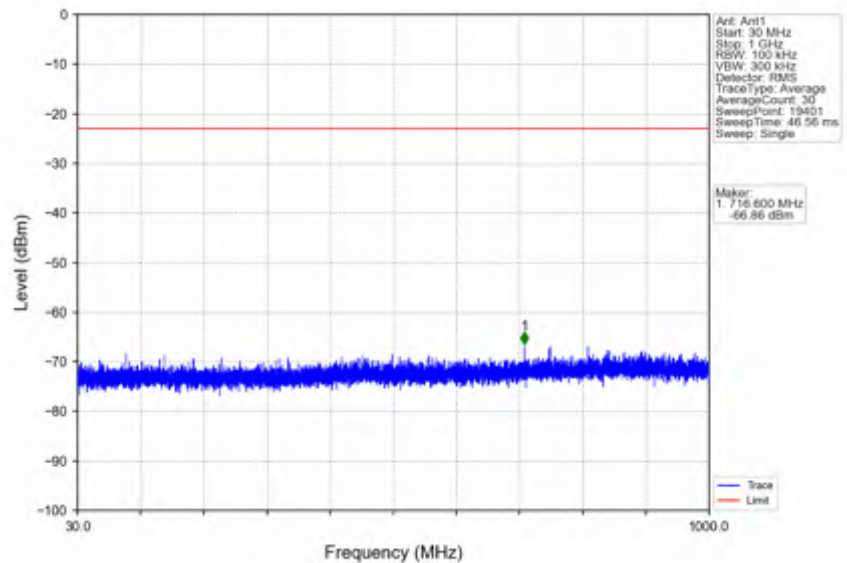
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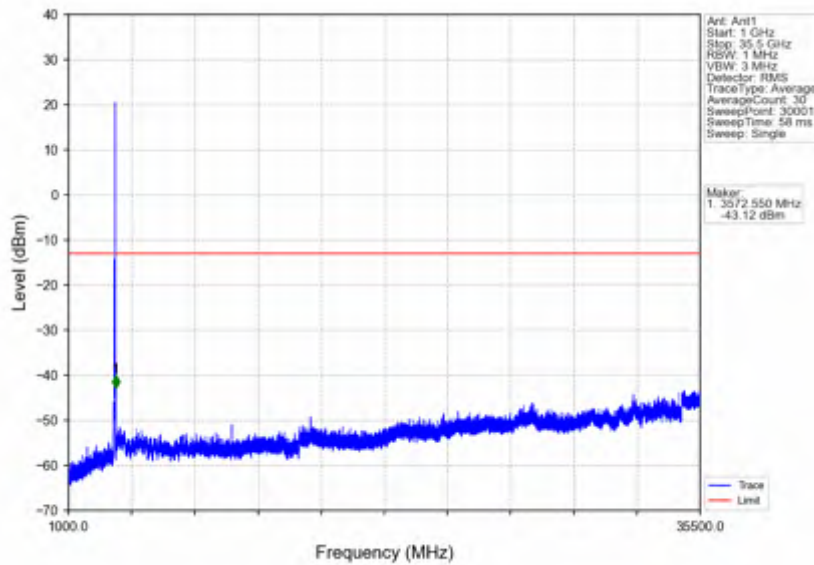
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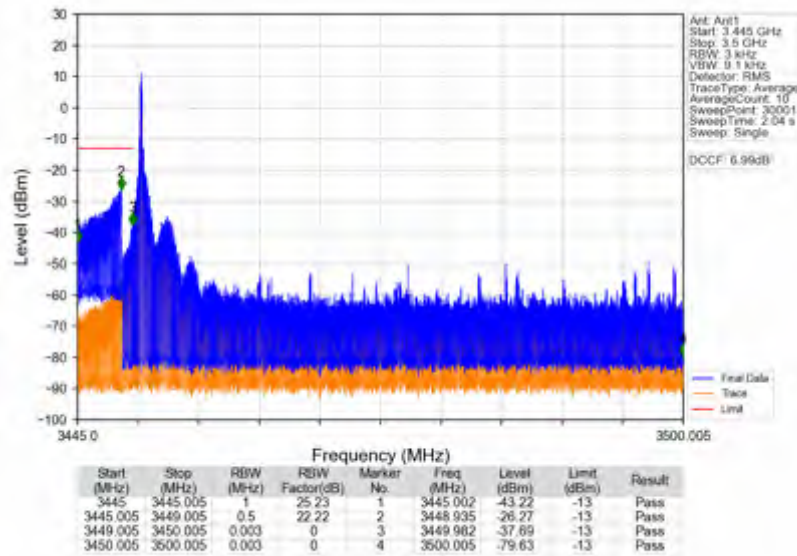
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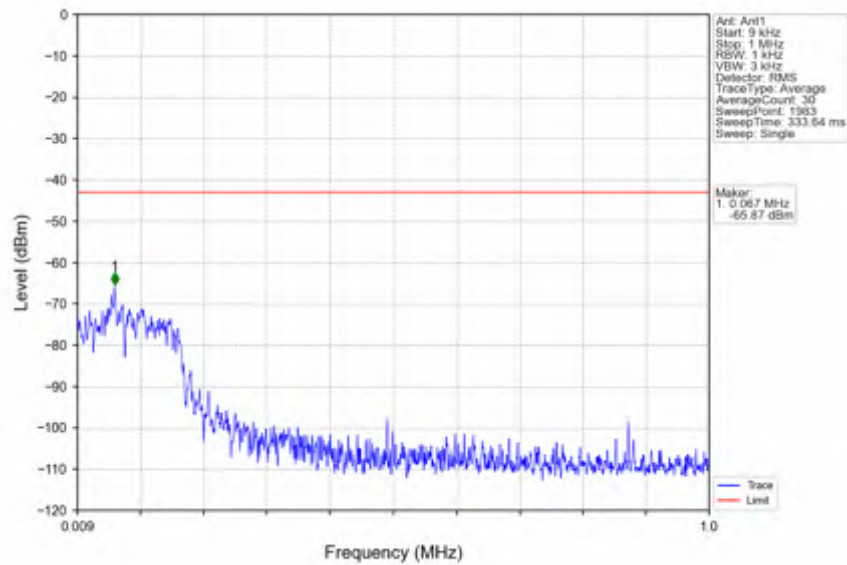


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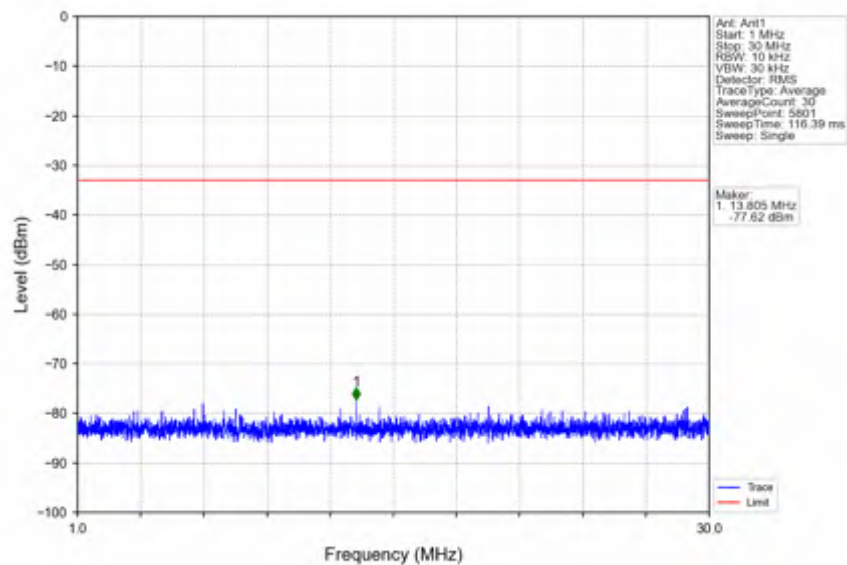
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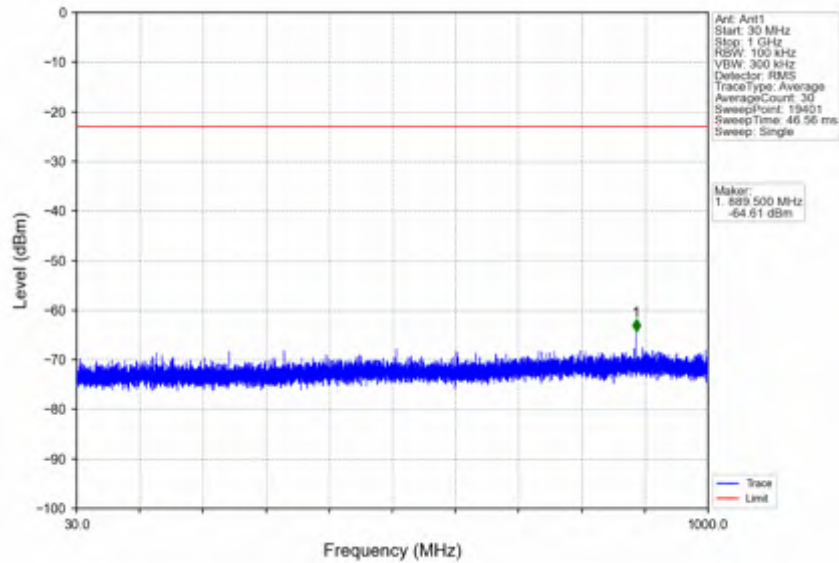
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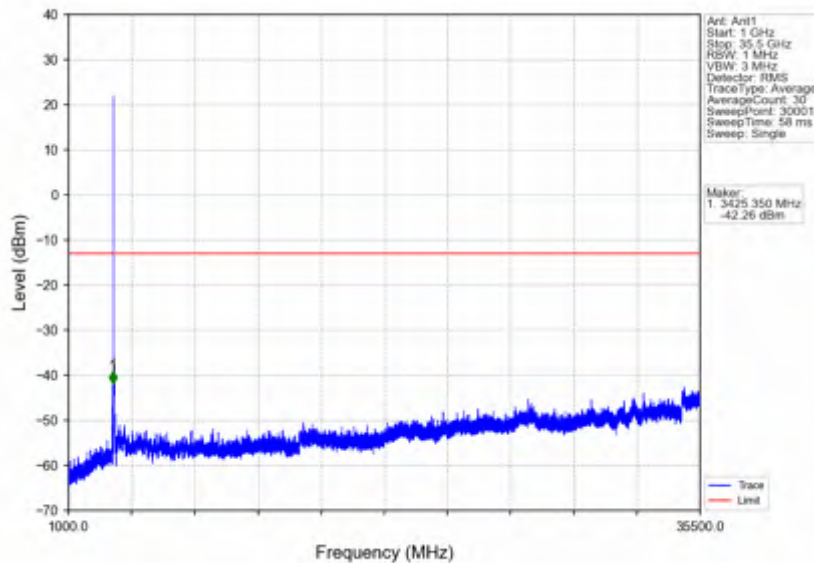
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM QPSK\_3475.005MHz\_Edge\_1RB\_Left



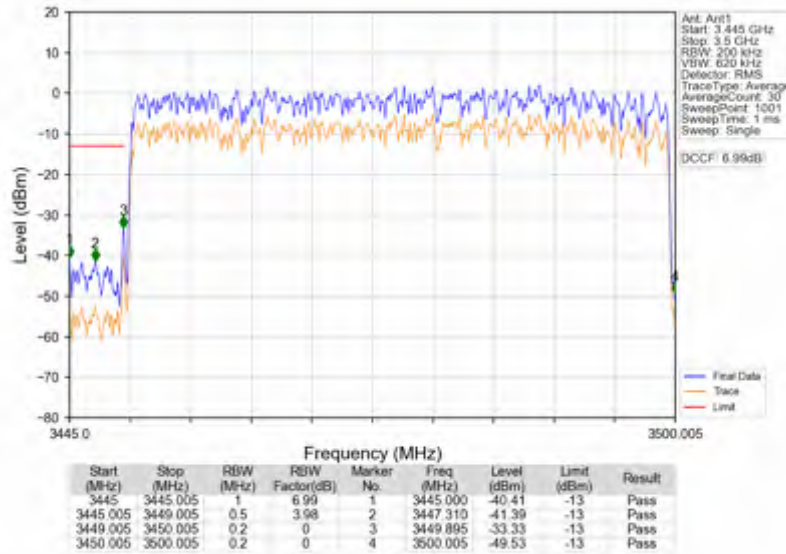
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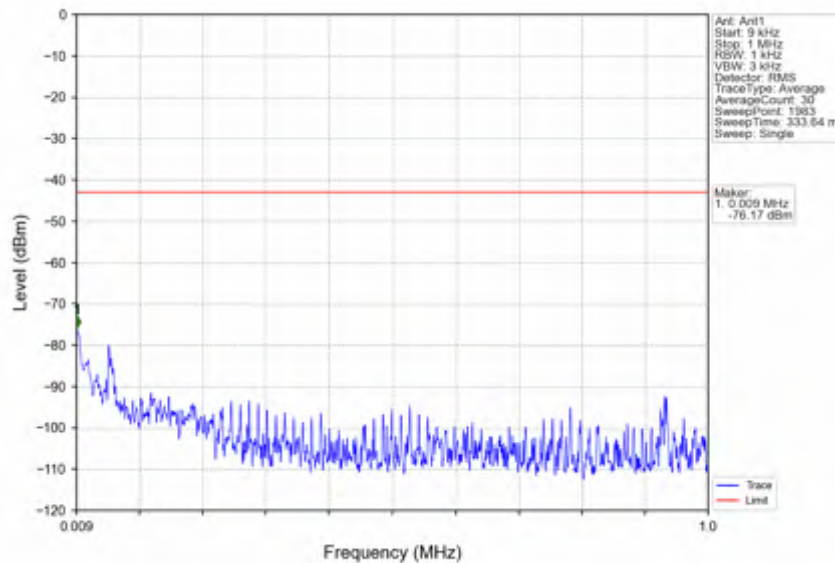
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM QPSK\_3475.005MHz\_Outer\_Full



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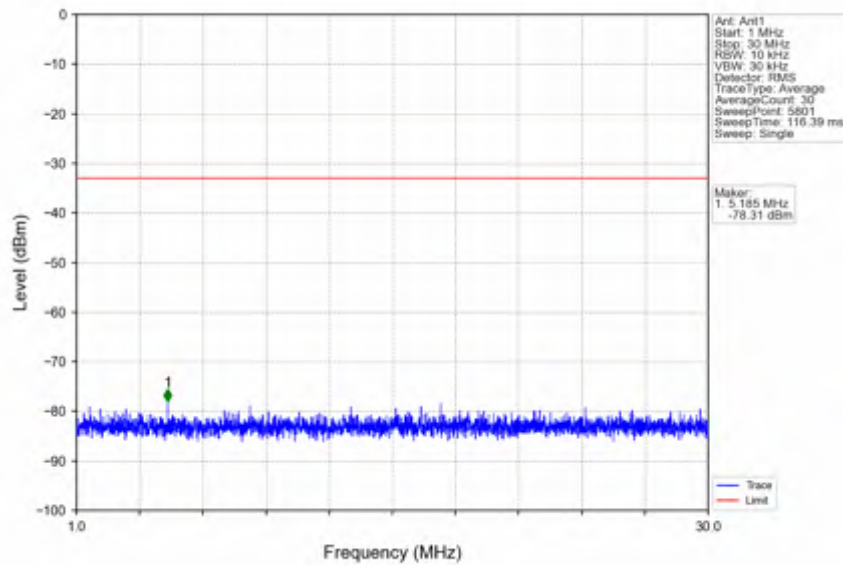


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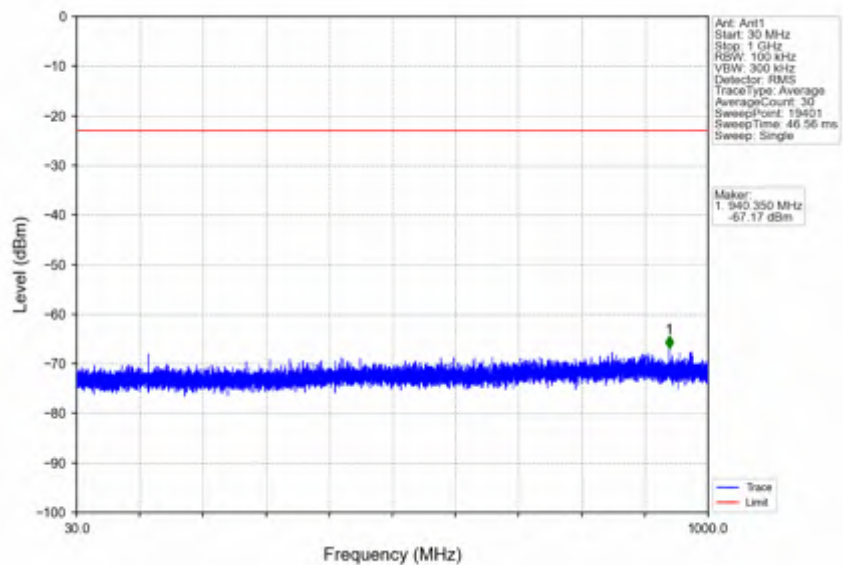
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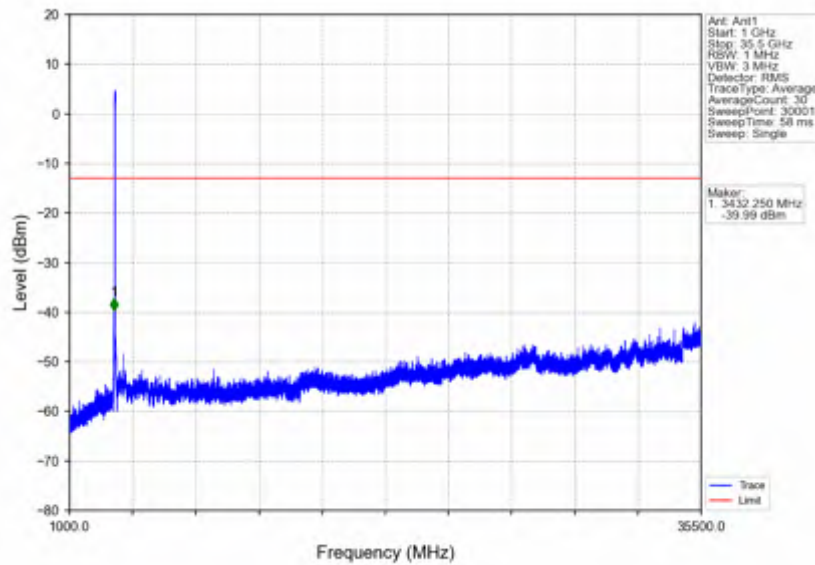
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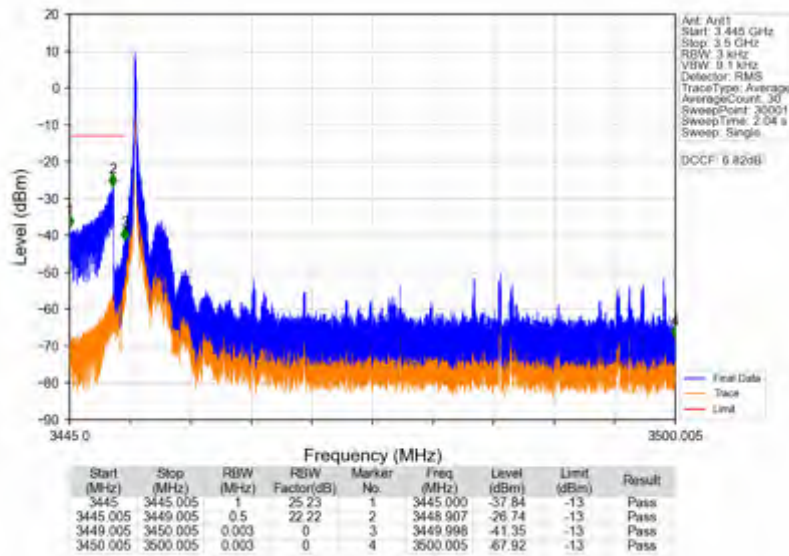
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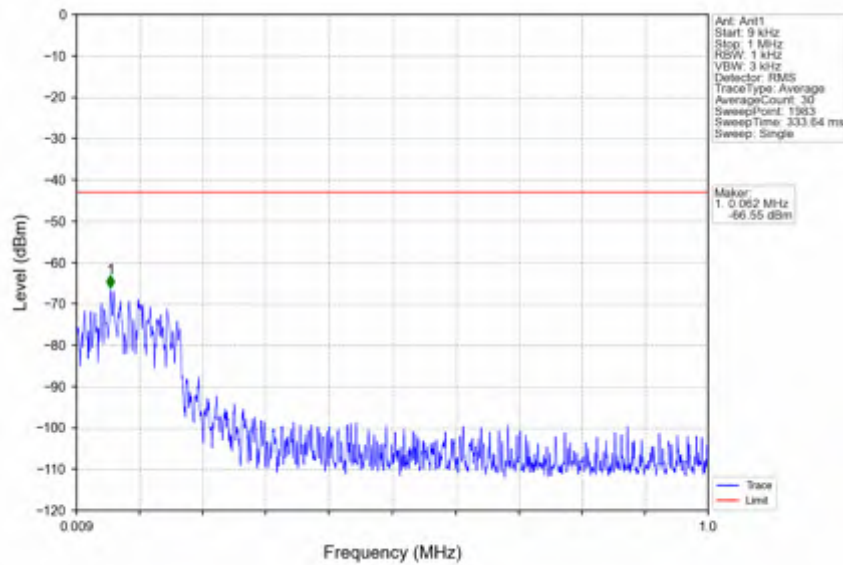
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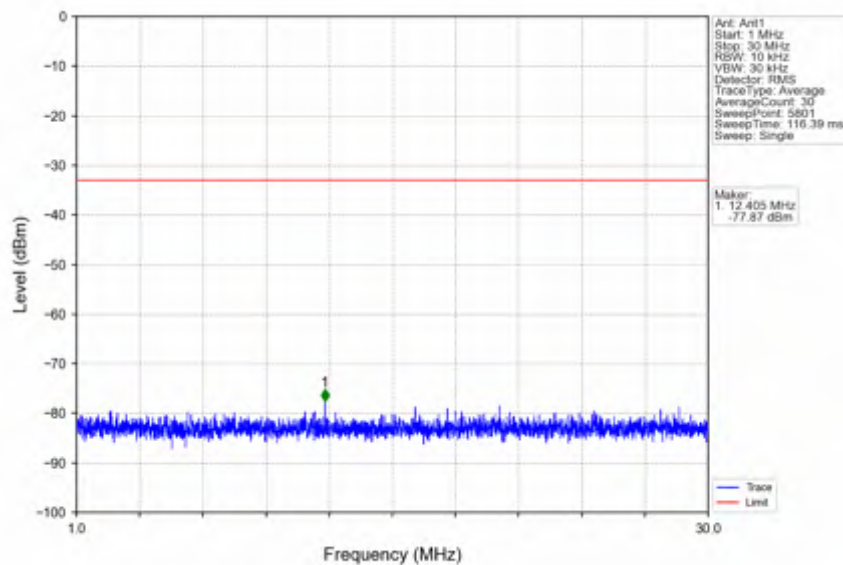
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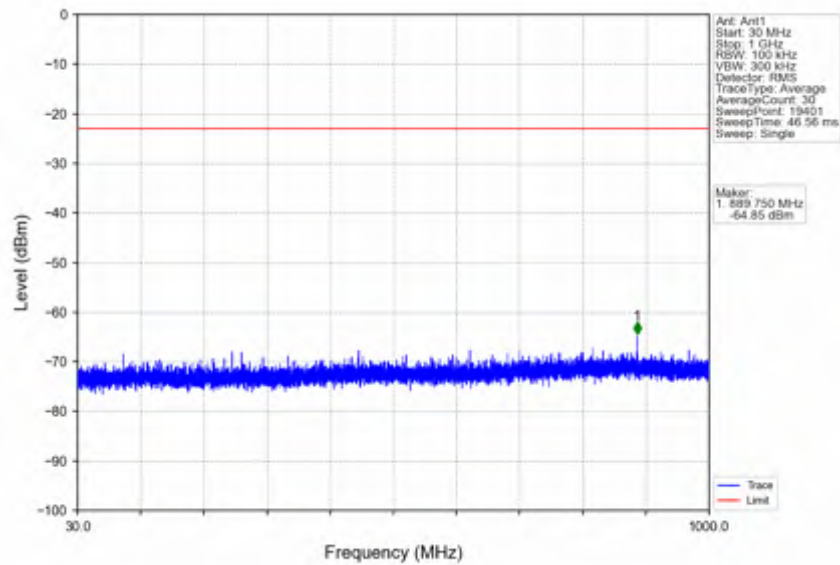
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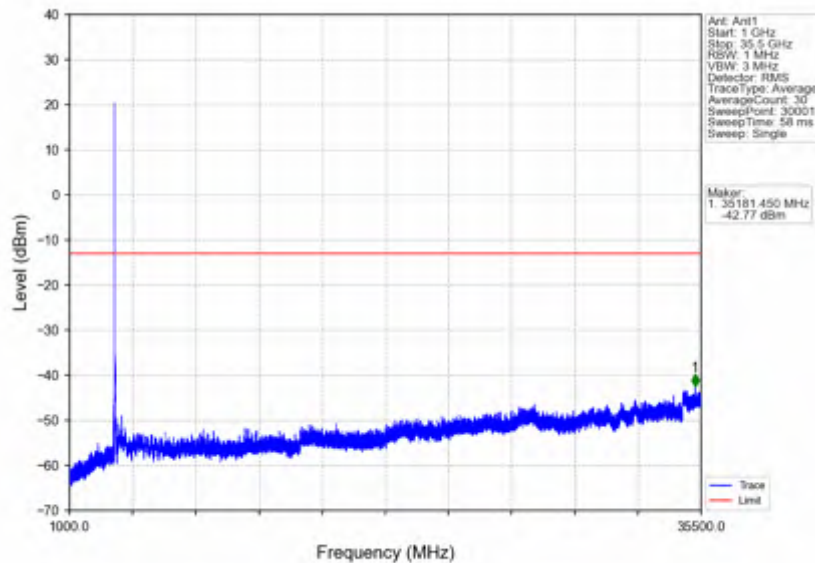
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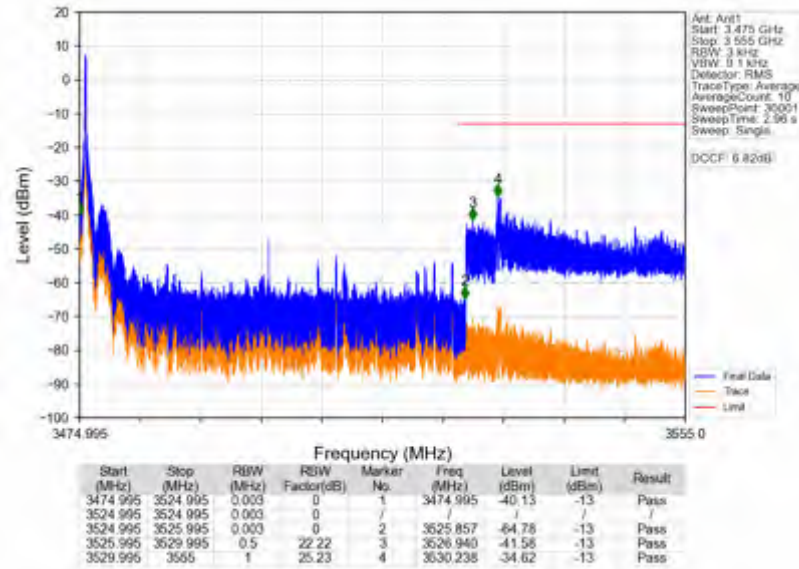
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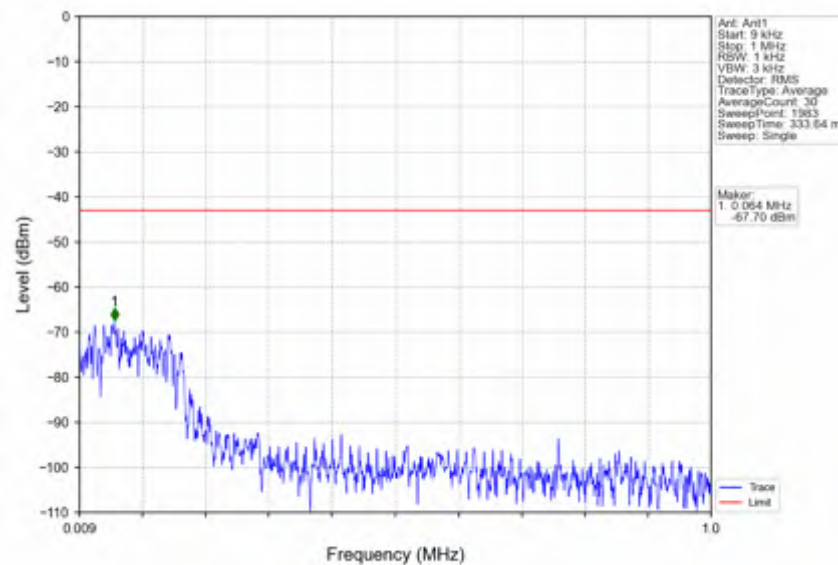
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM QPSK\_3499.995MHz\_Edge\_1RB\_Left



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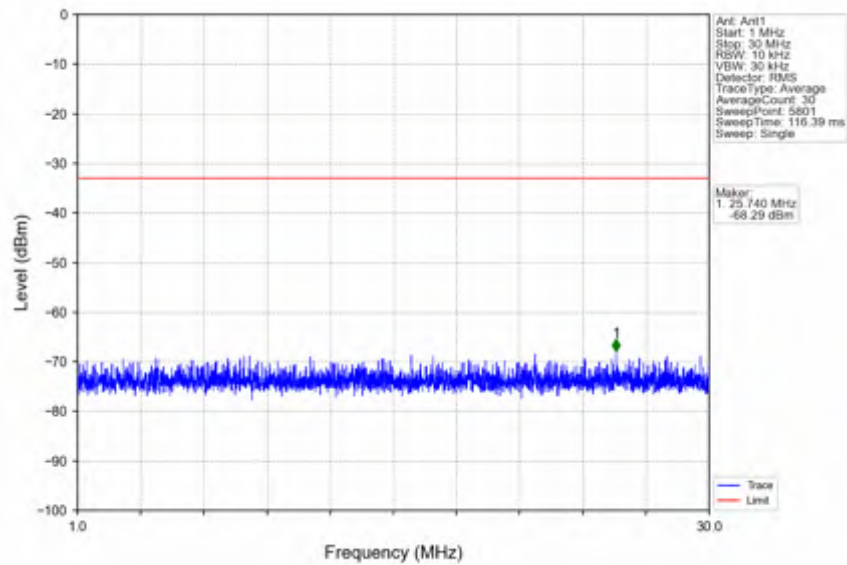


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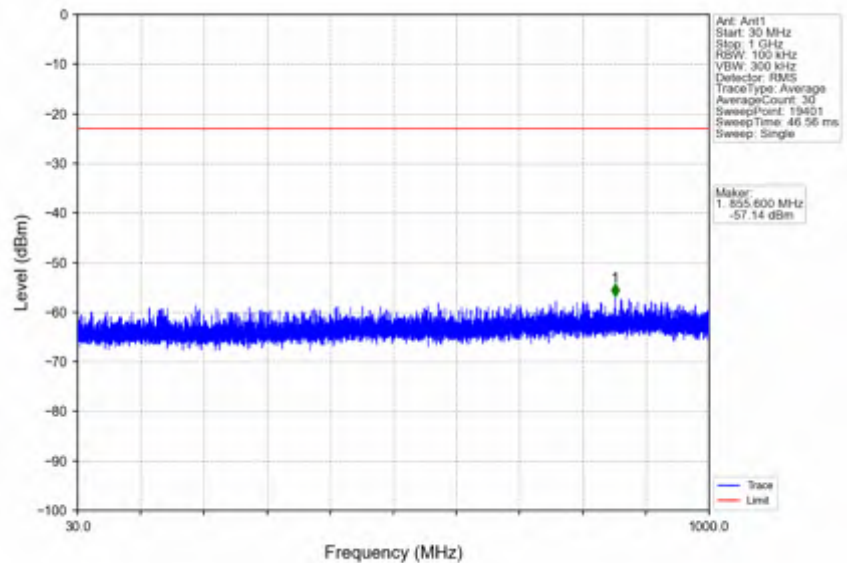
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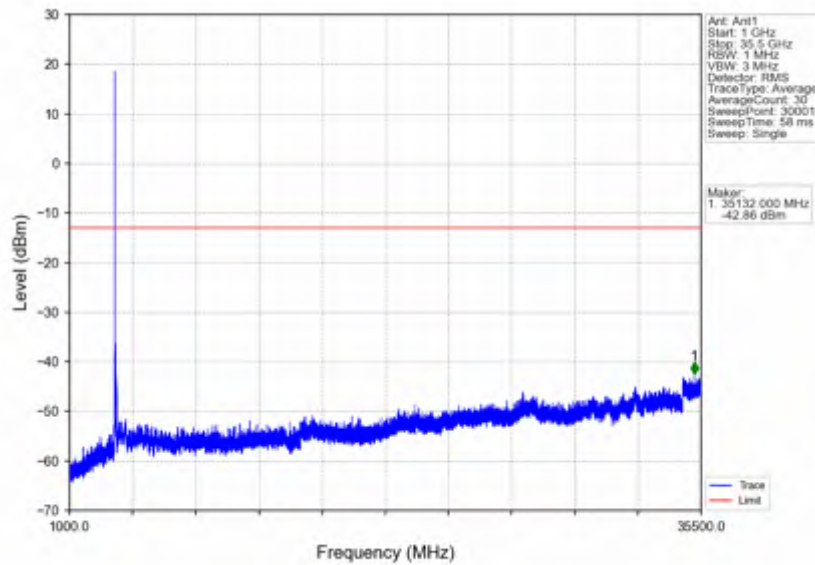
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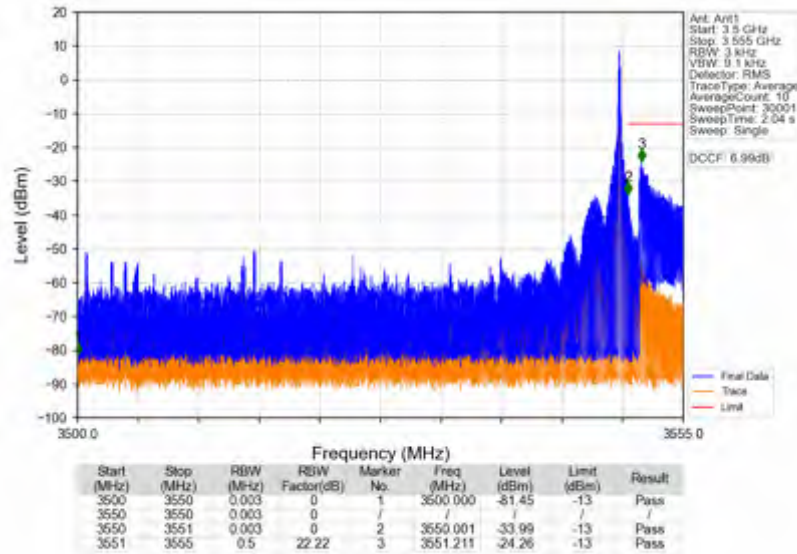
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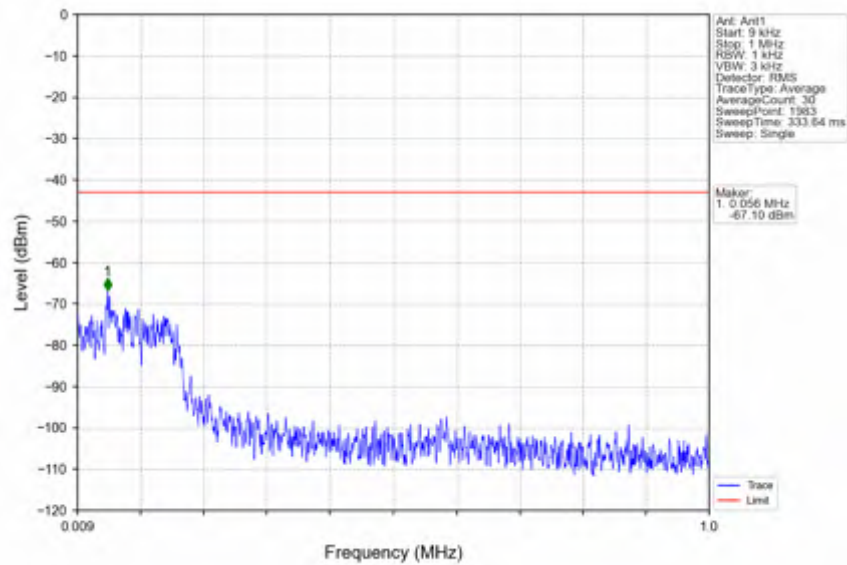
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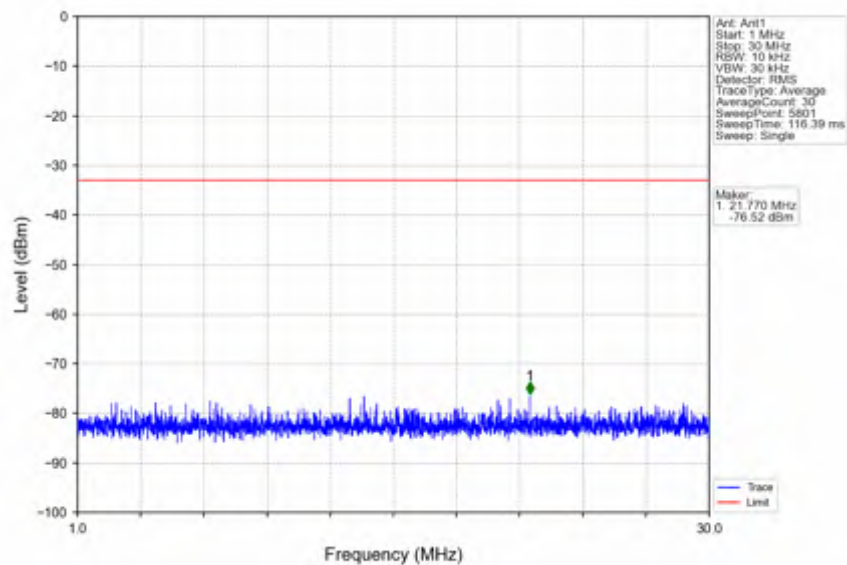
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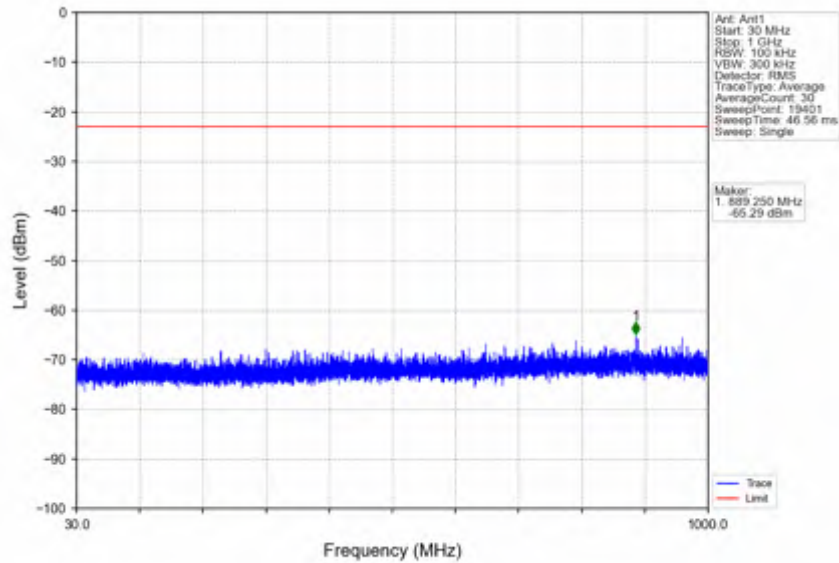
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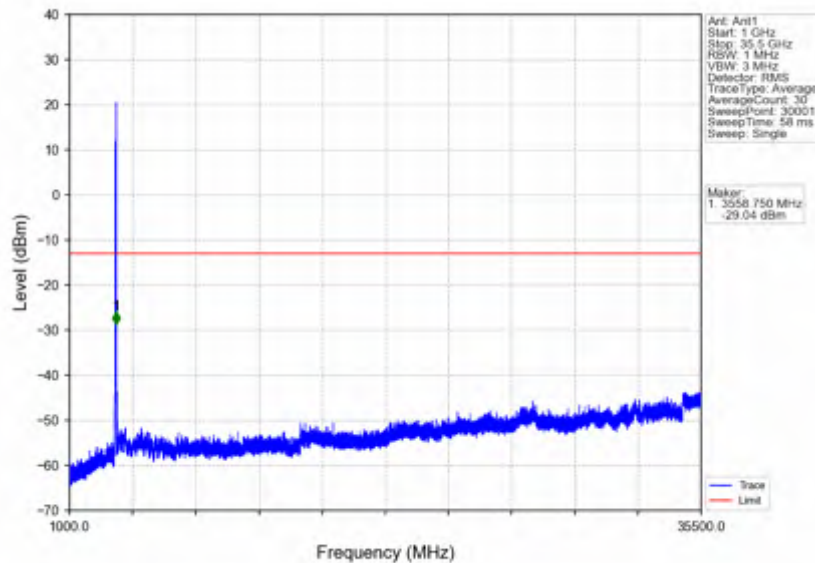
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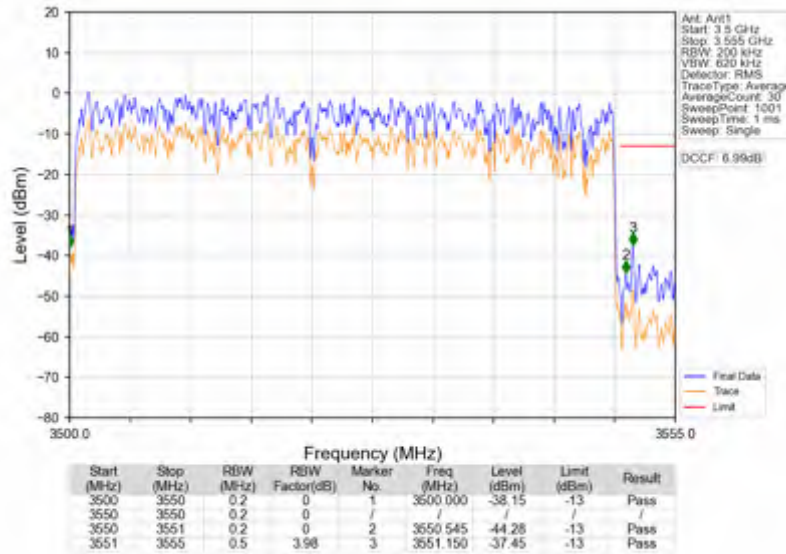
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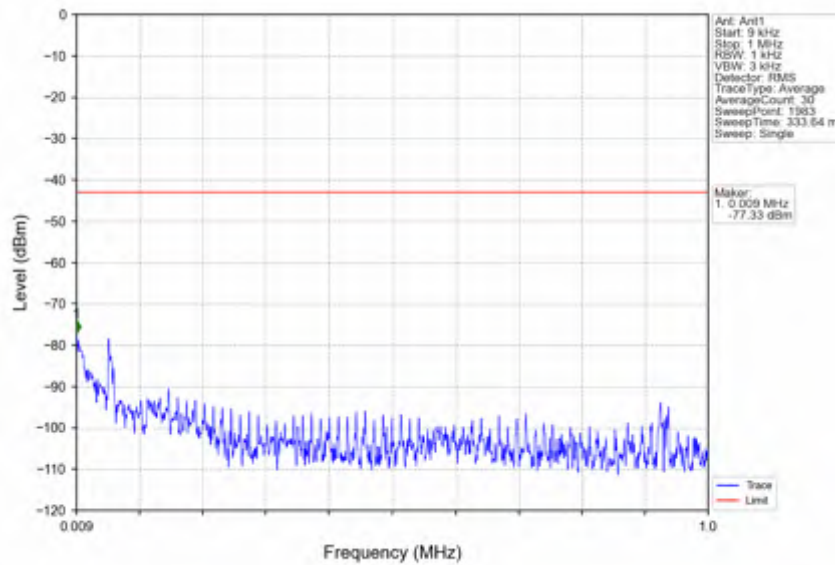
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM QPSK\_3525MHz\_Outer\_Full



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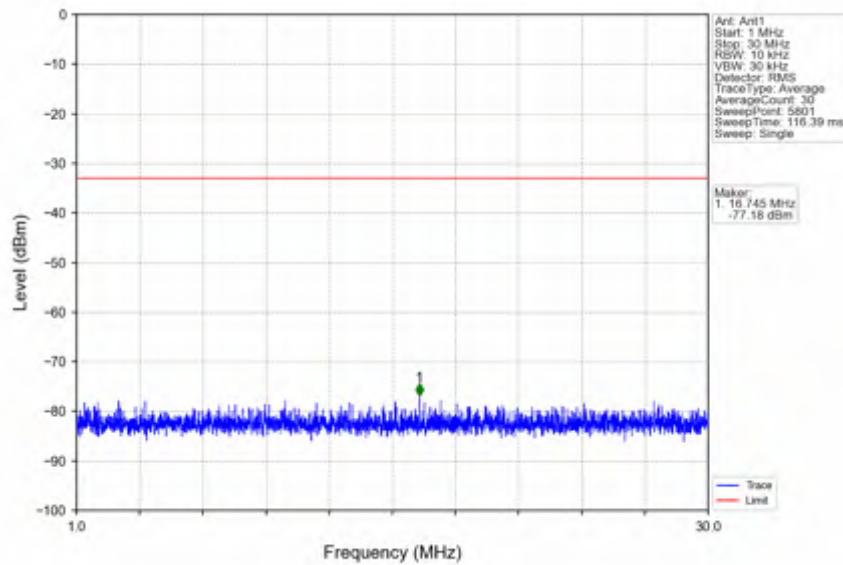


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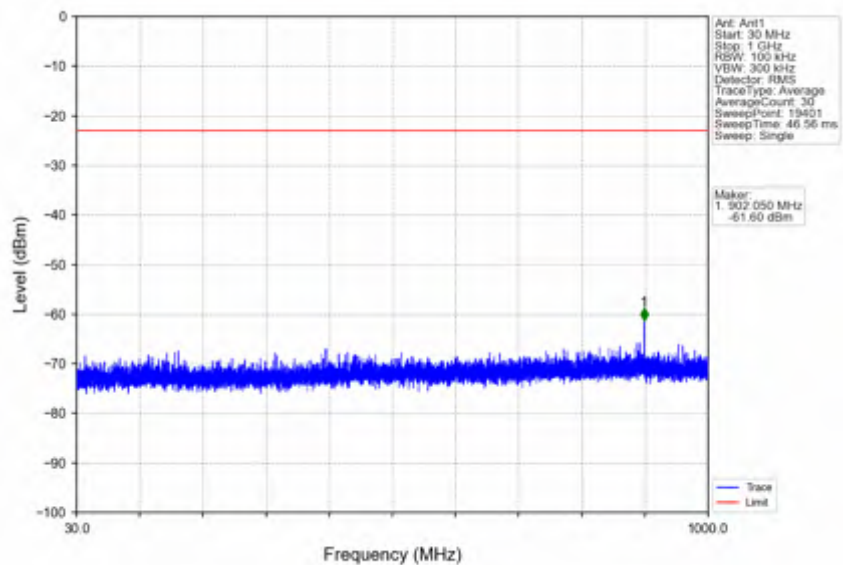
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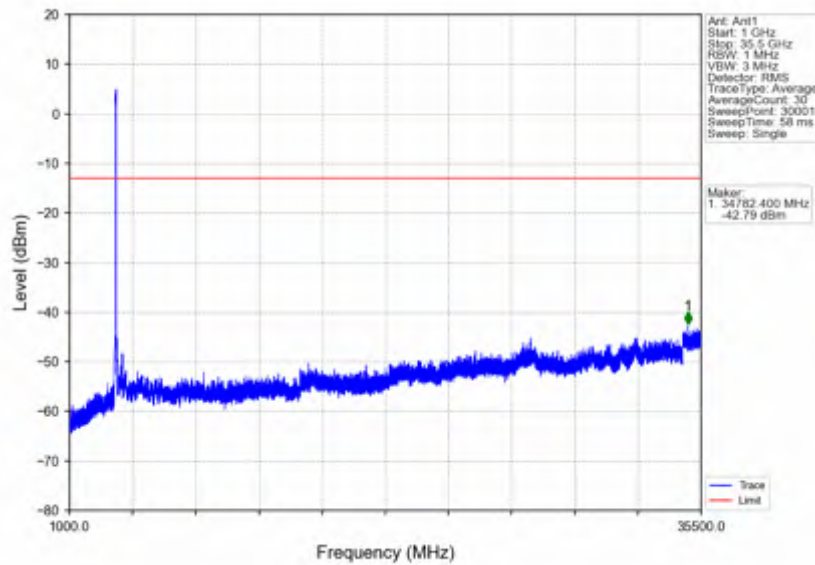
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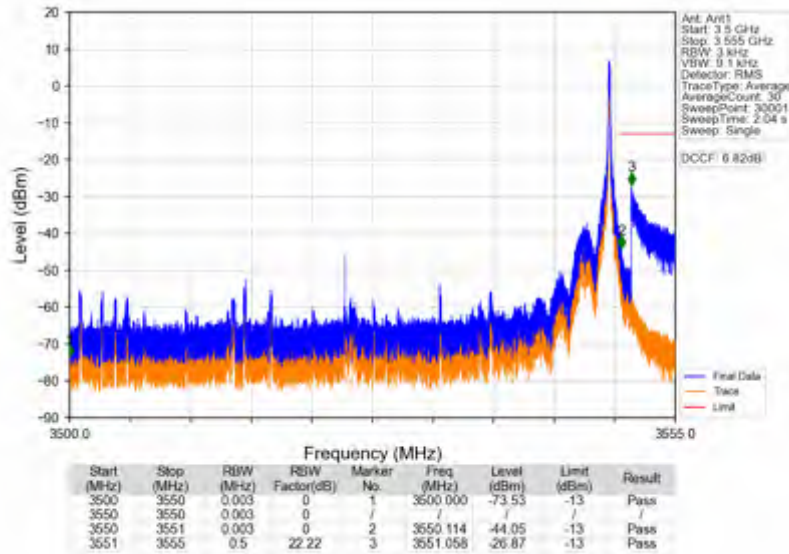
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM QPSK\_3525MHz\_Inner\_1RB\_Right



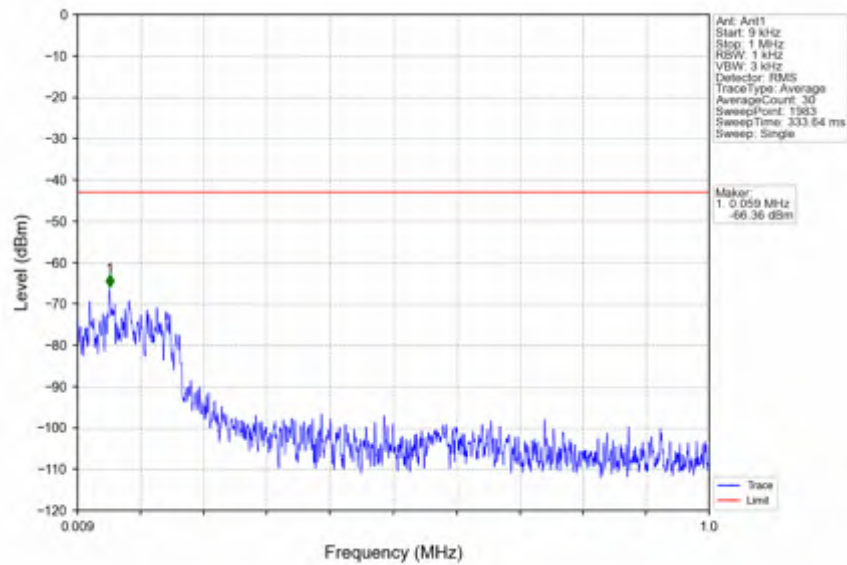
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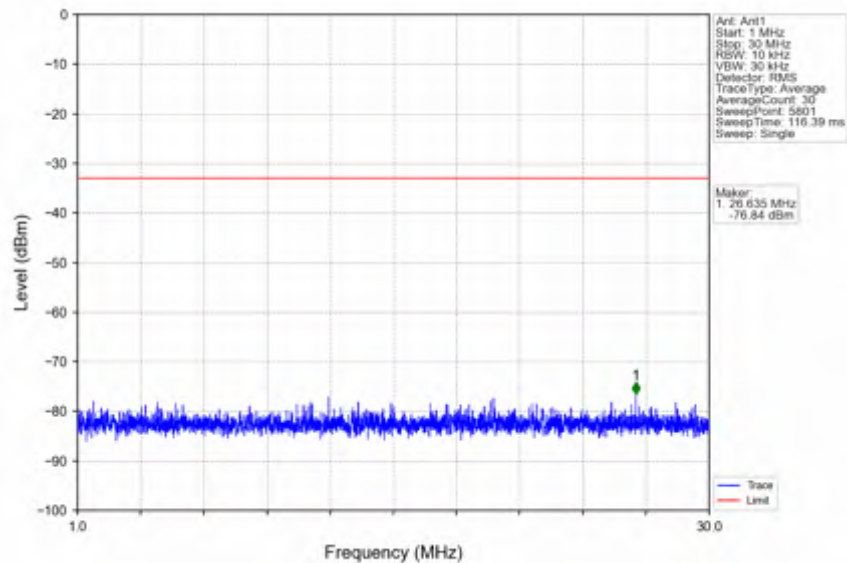
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3525MHz\_Inner\_1RB\_Right



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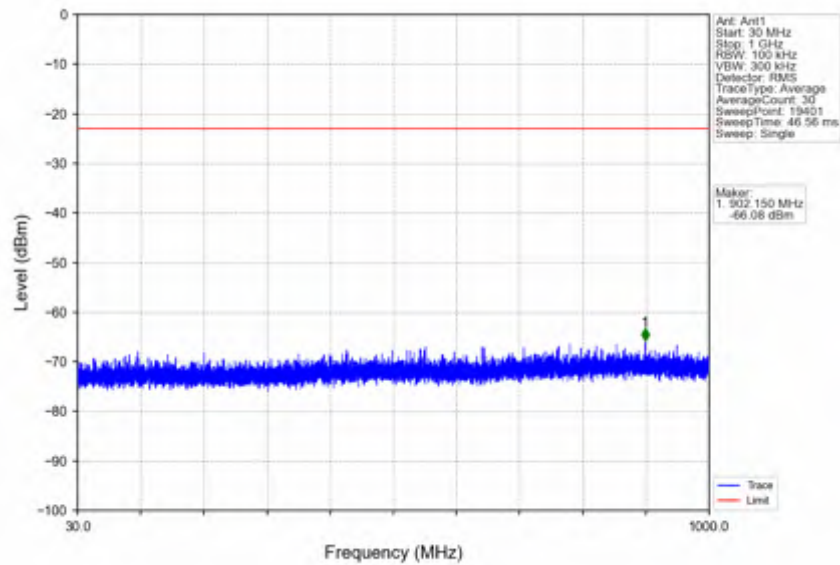


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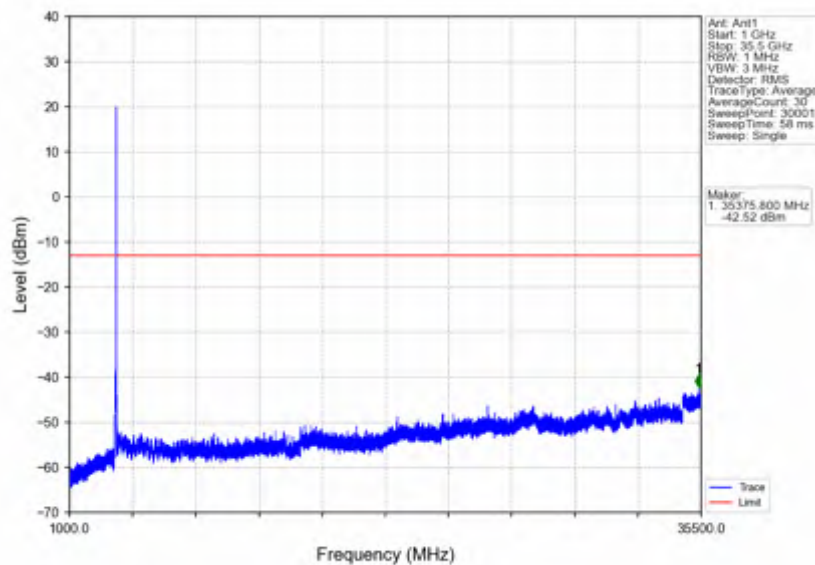
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM\_QPSK\_3525MHz\_Inner\_1RB\_Right



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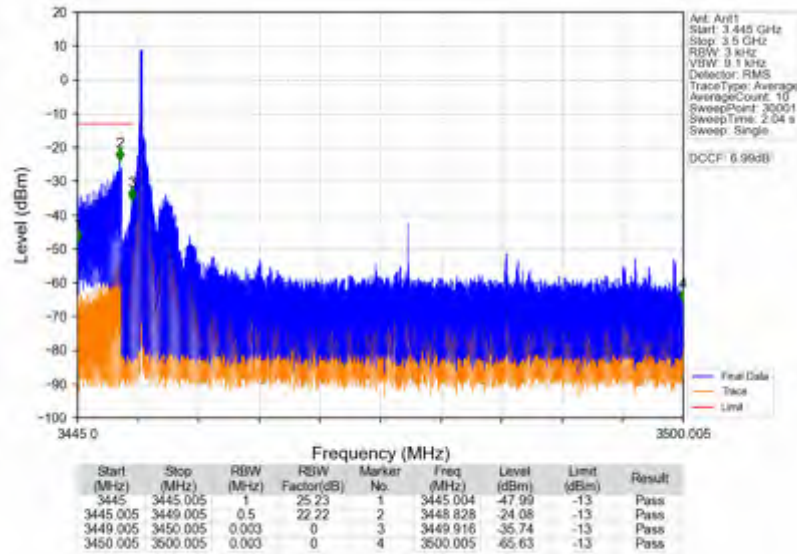
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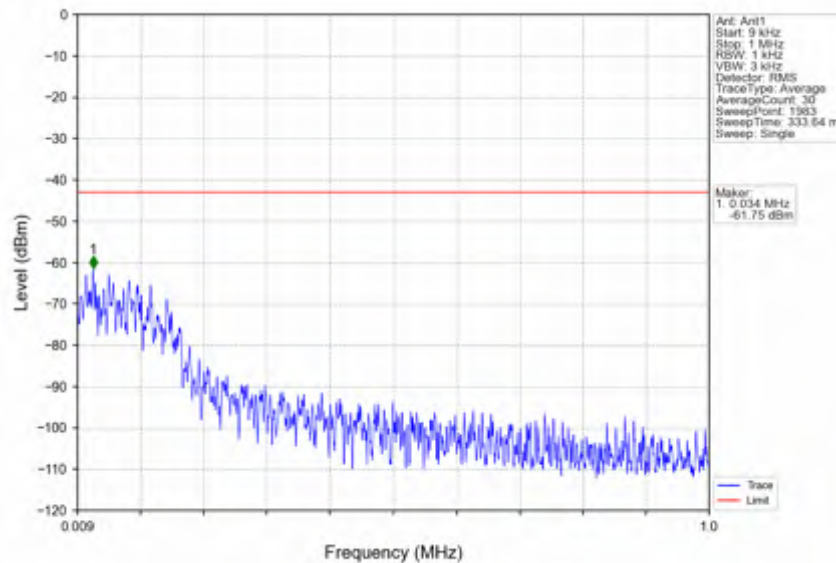
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_CP-OFDM QPSK\_3475.005MHz\_Edge\_1RB\_Left



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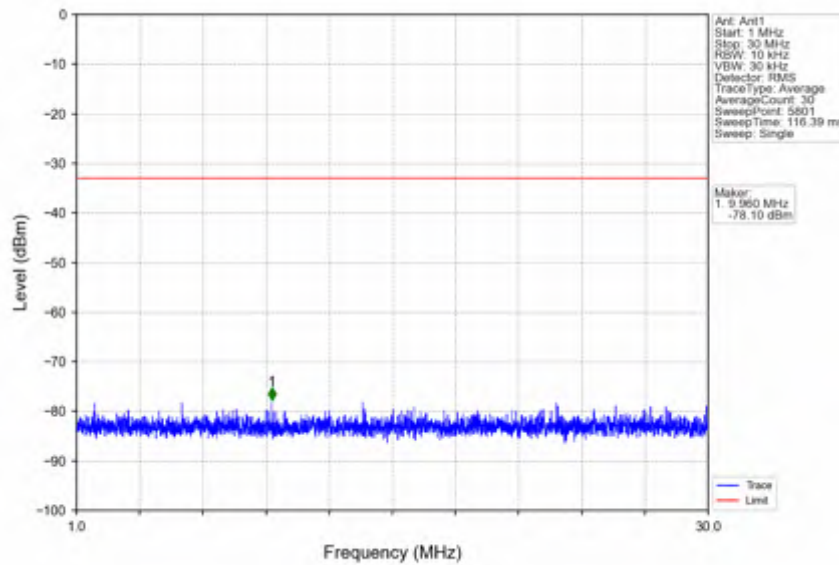


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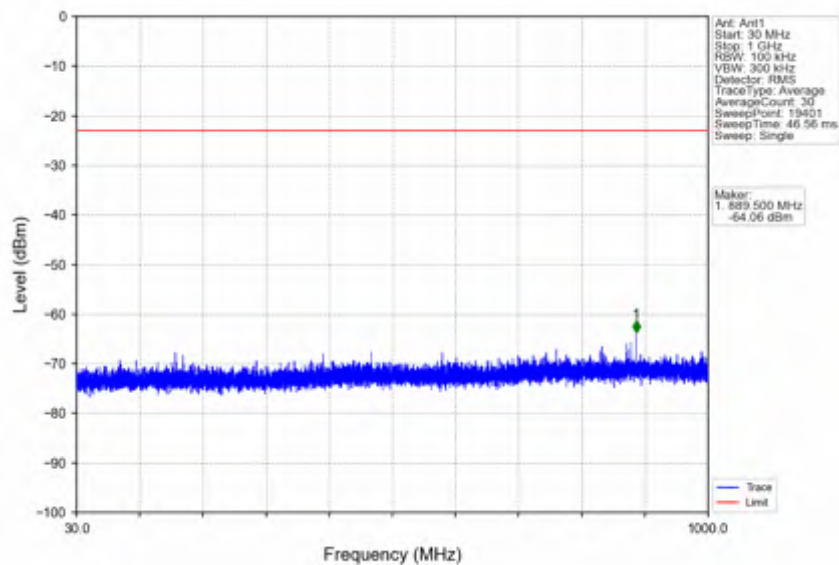
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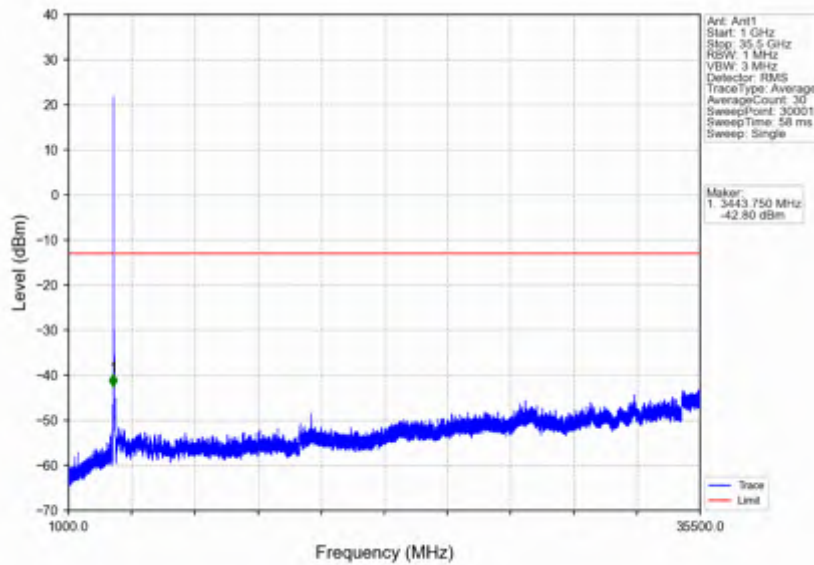
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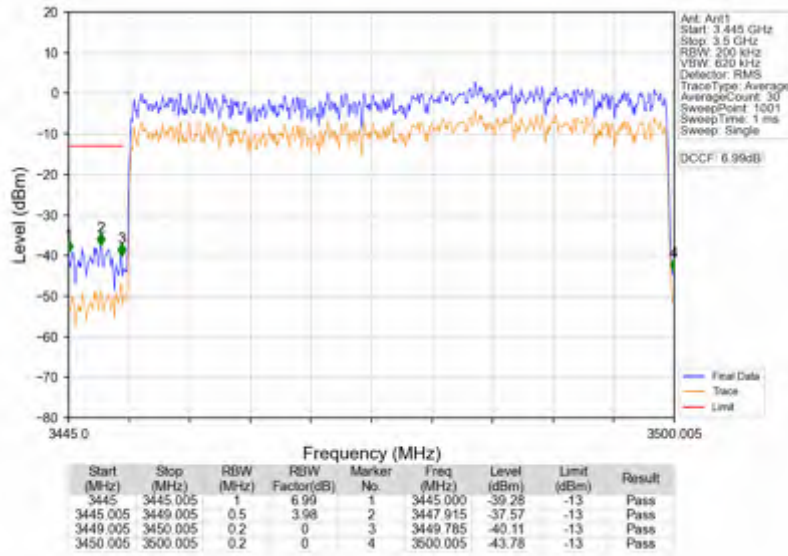
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_CP-OFDM QPSK\_3475.005MHz\_Edge\_1RB\_Left



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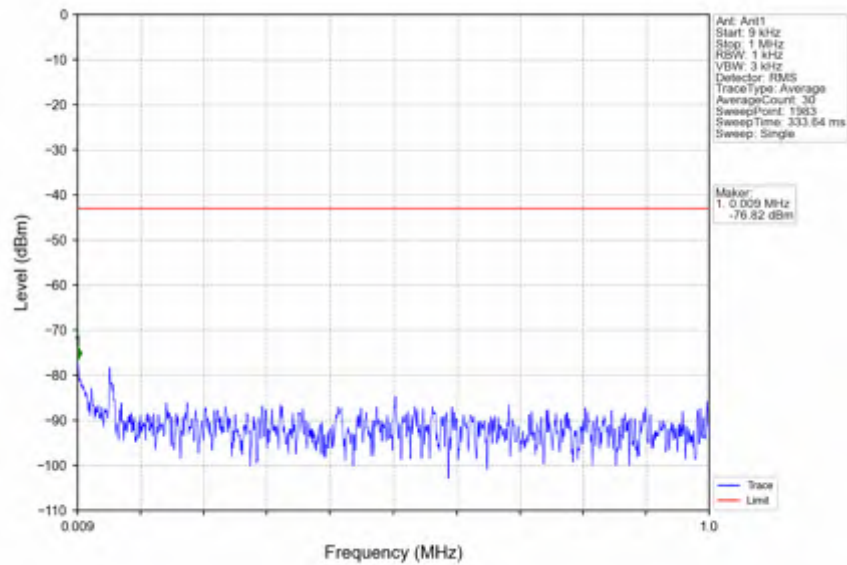
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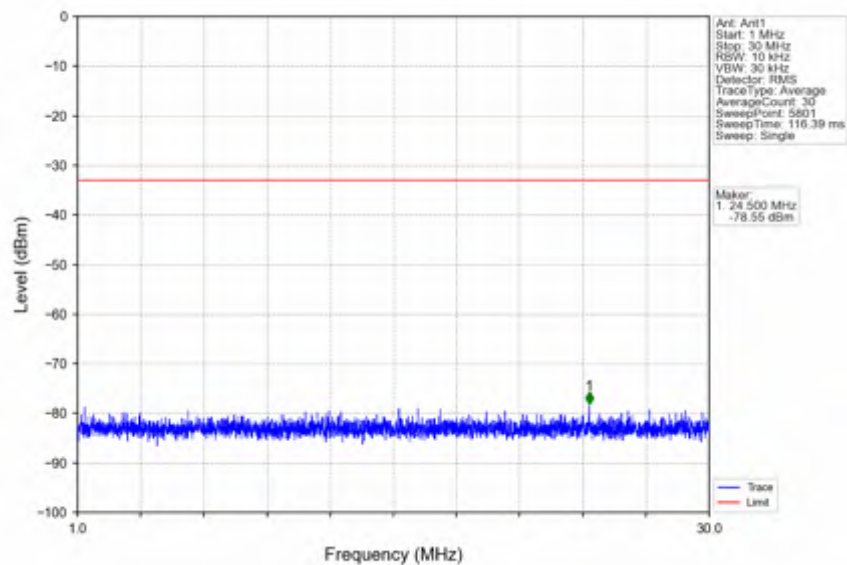
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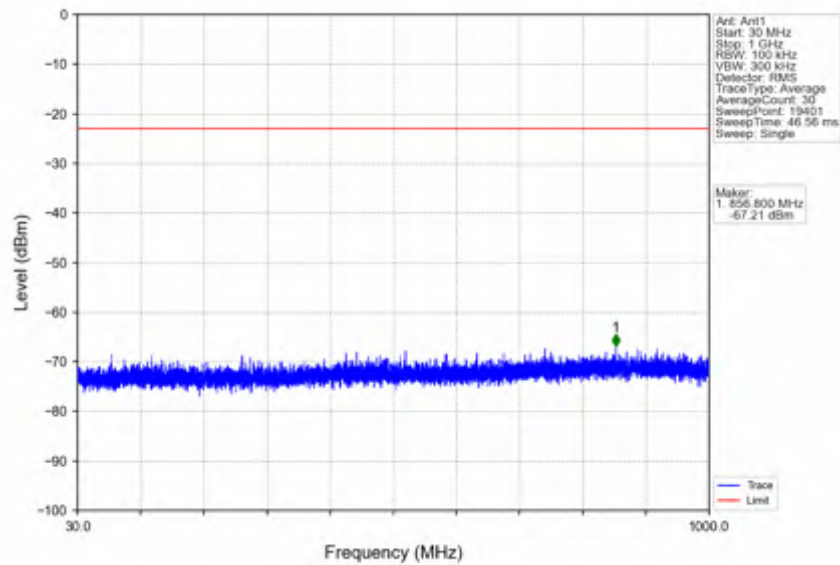
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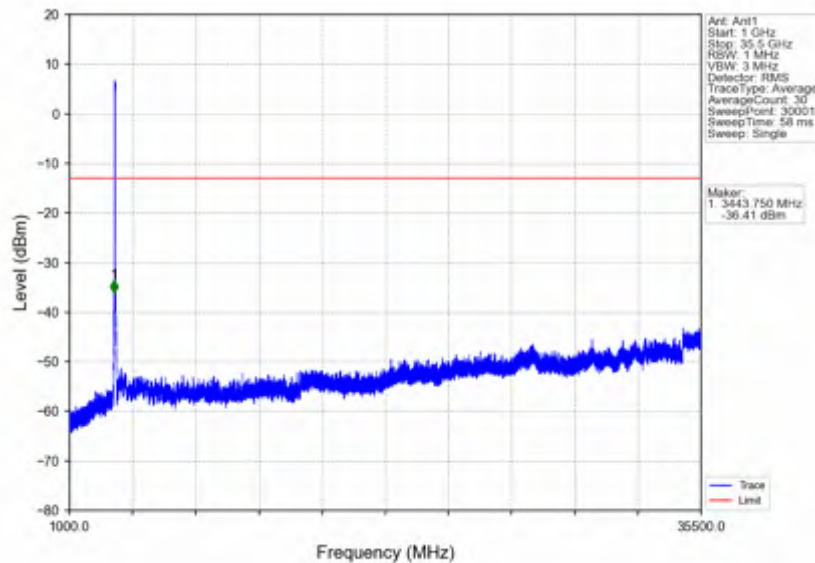
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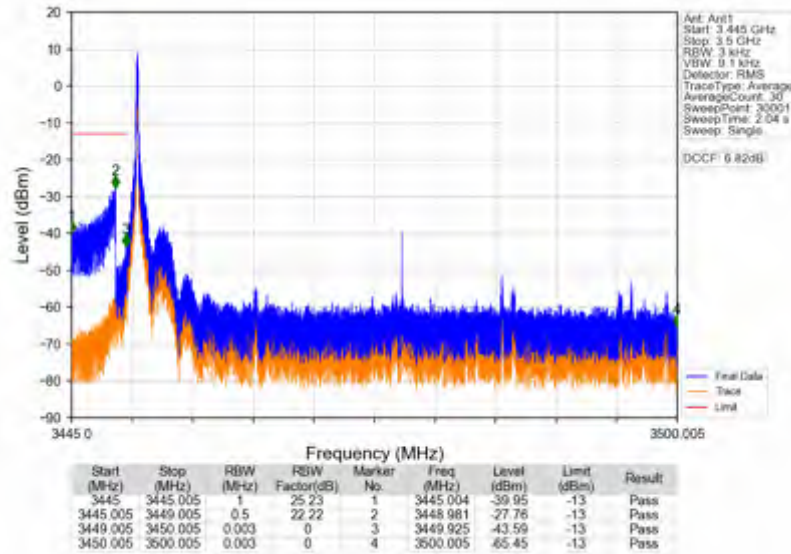
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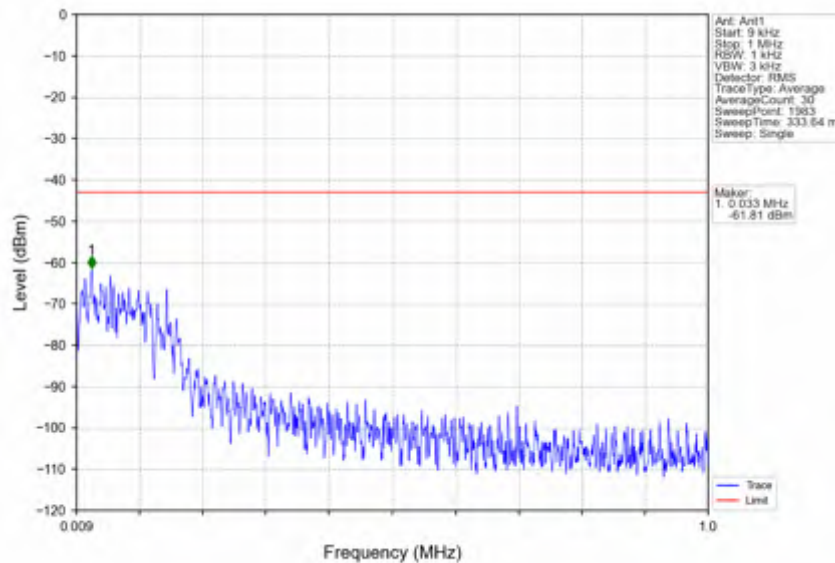
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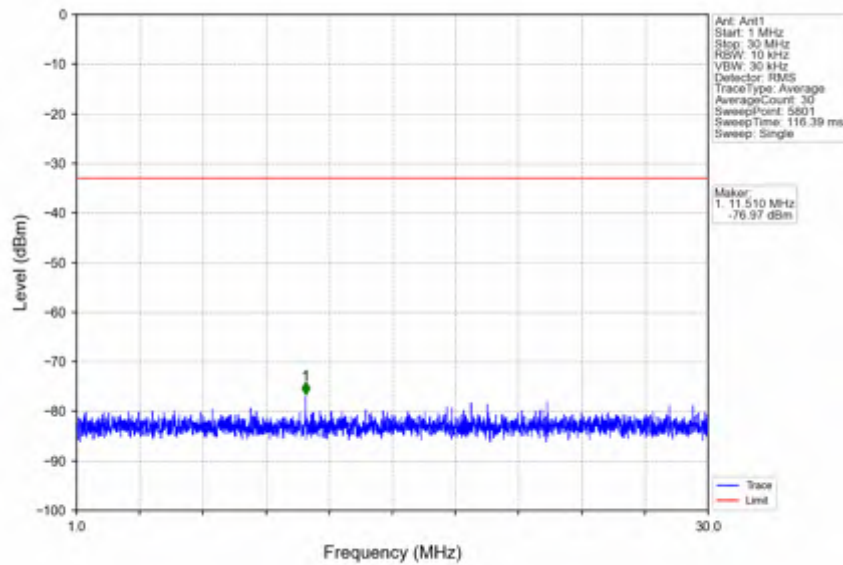


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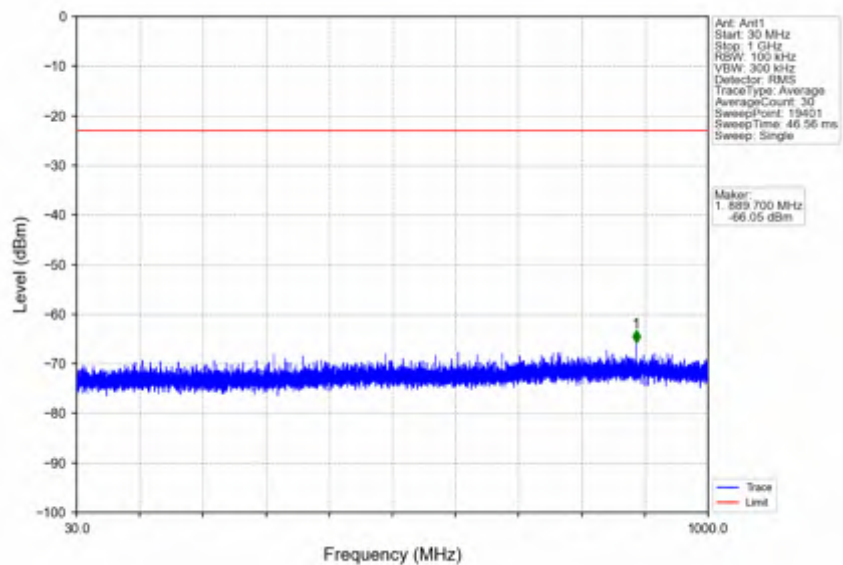
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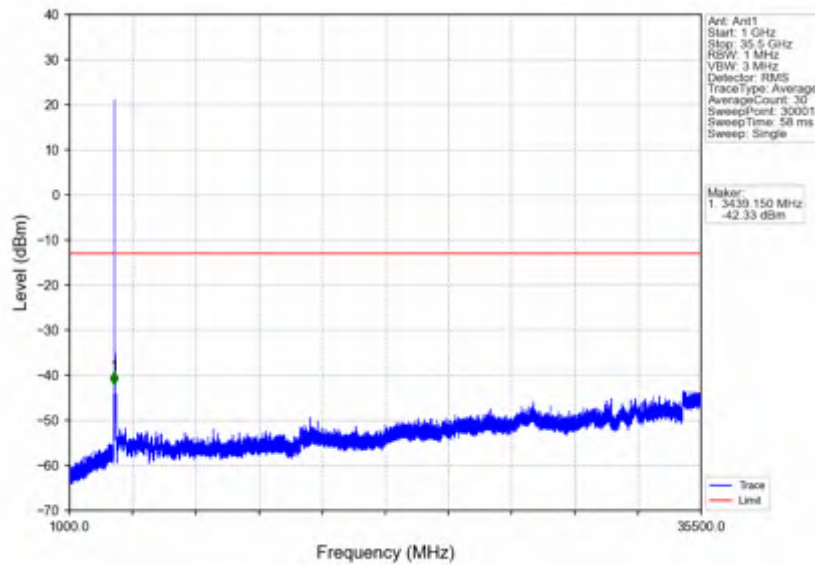


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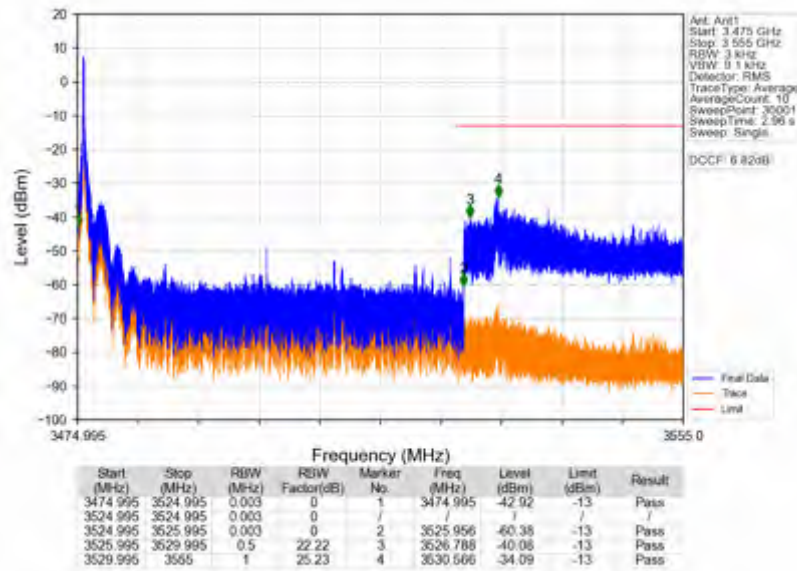
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_CP-OFDM QPSK\_3475.005MHz\_Inner\_1RB\_Left



n78e\_15kHz\_SISO\_NTNV\_50MHz\_CP-OFDM QPSK\_3499.995MHz\_Edge\_1RB\_Left

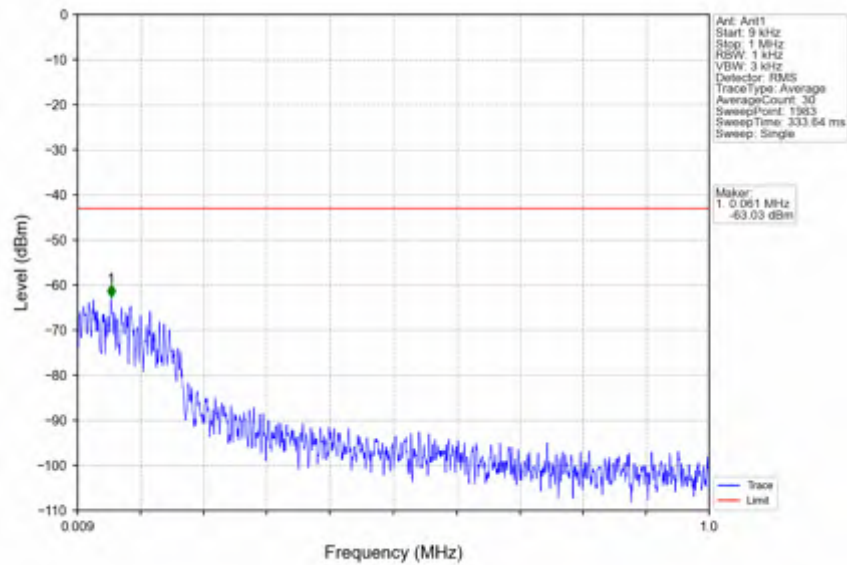


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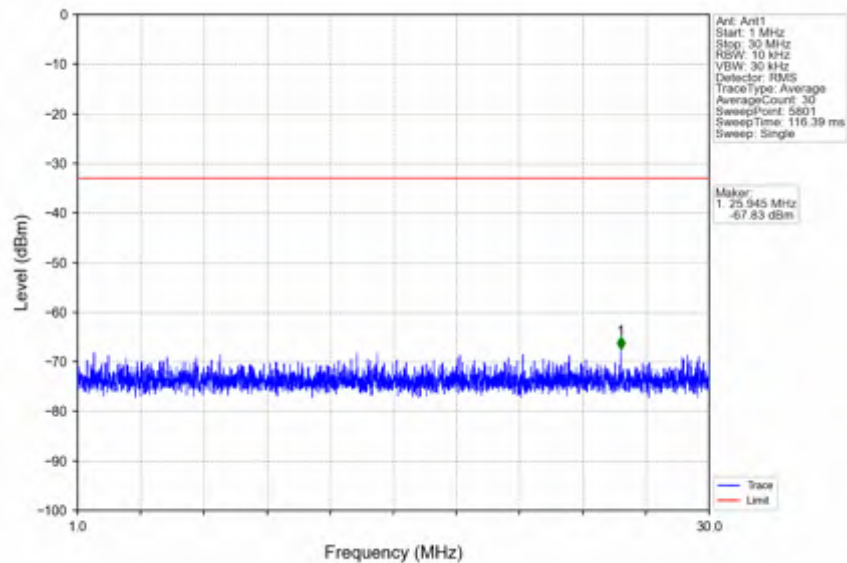
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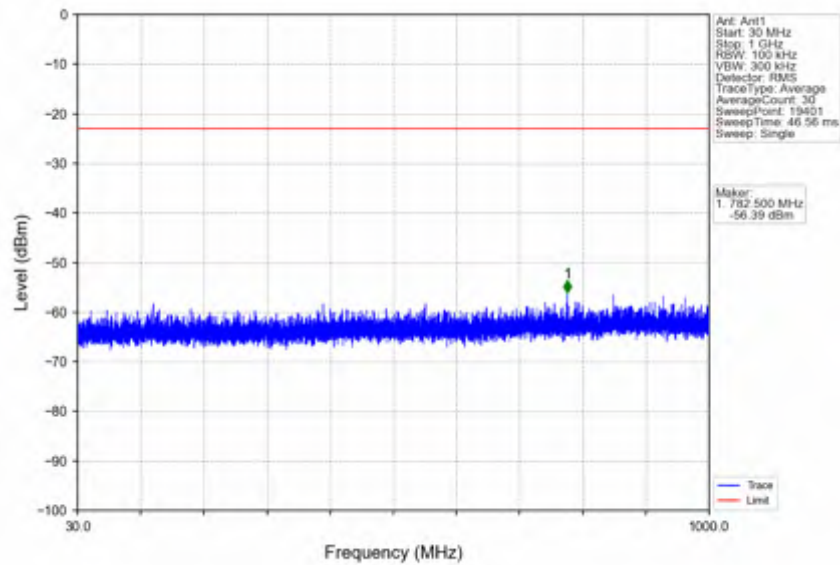
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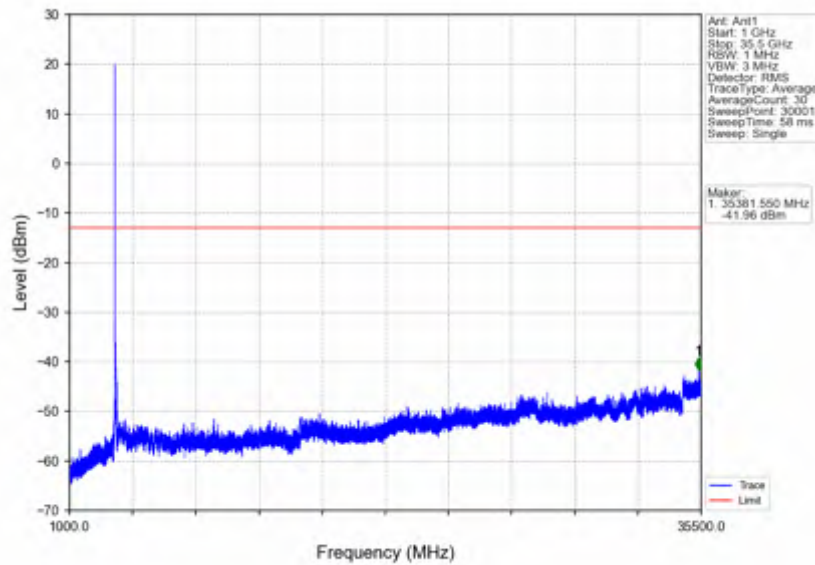
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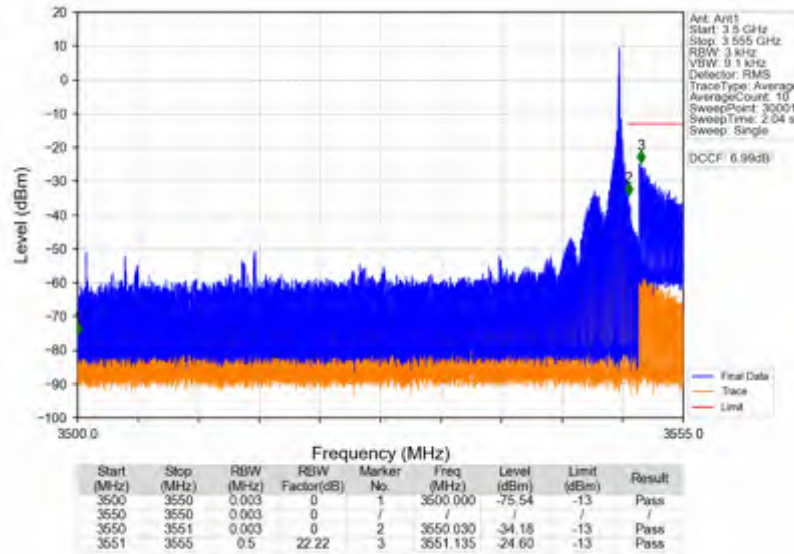
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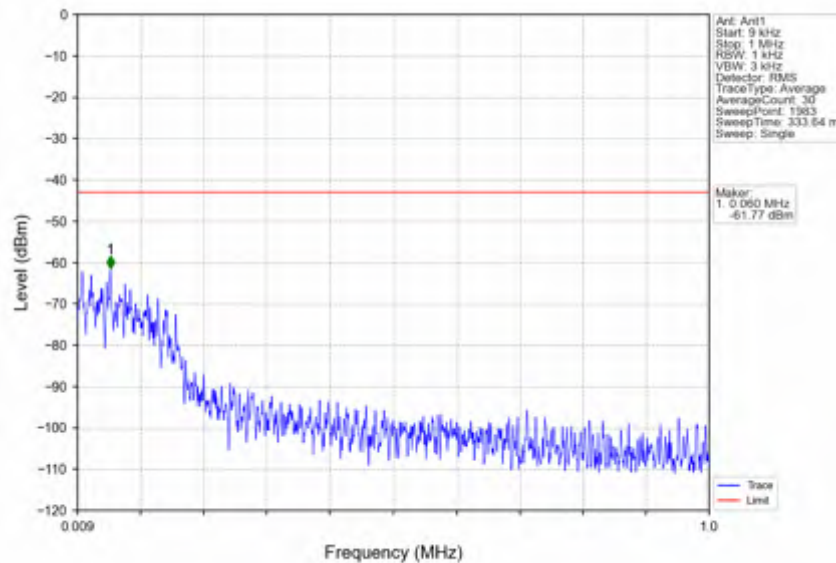
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_CP-OFDM QPSK\_3525MHz\_Edge\_1RB\_Right



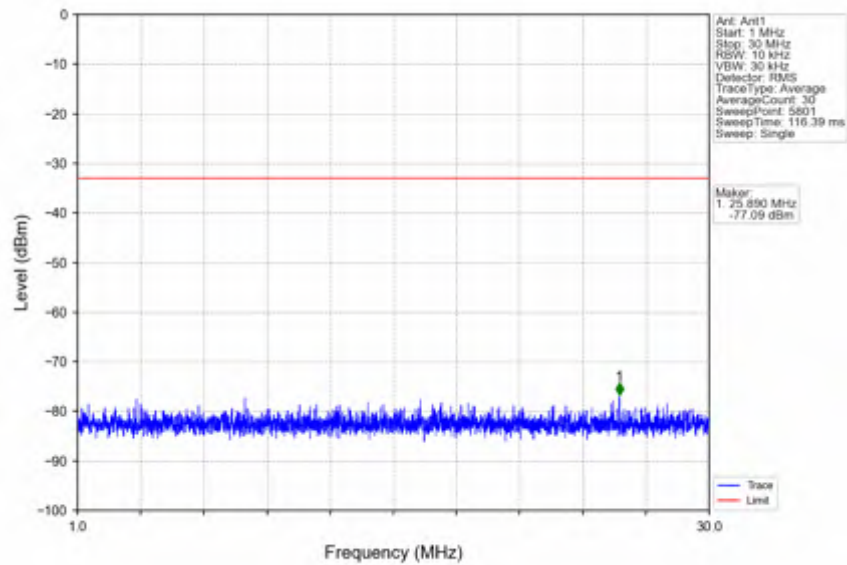
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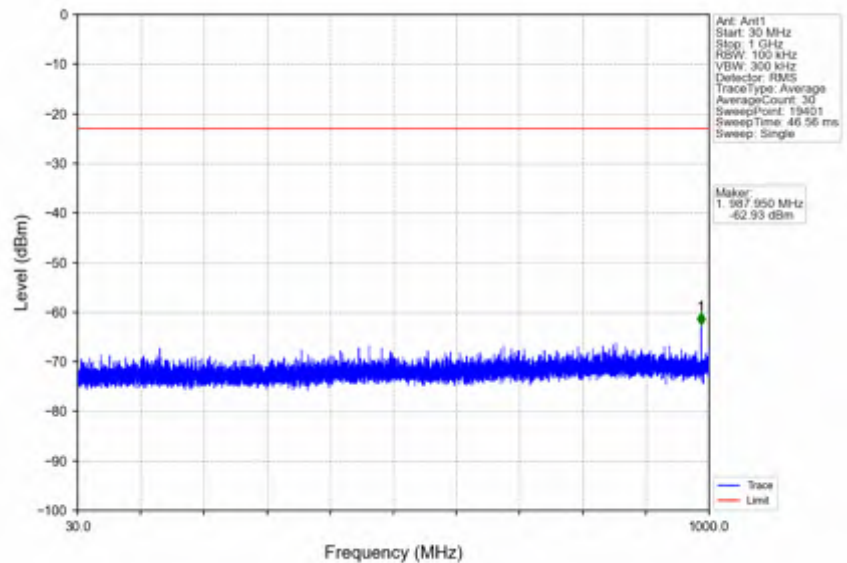
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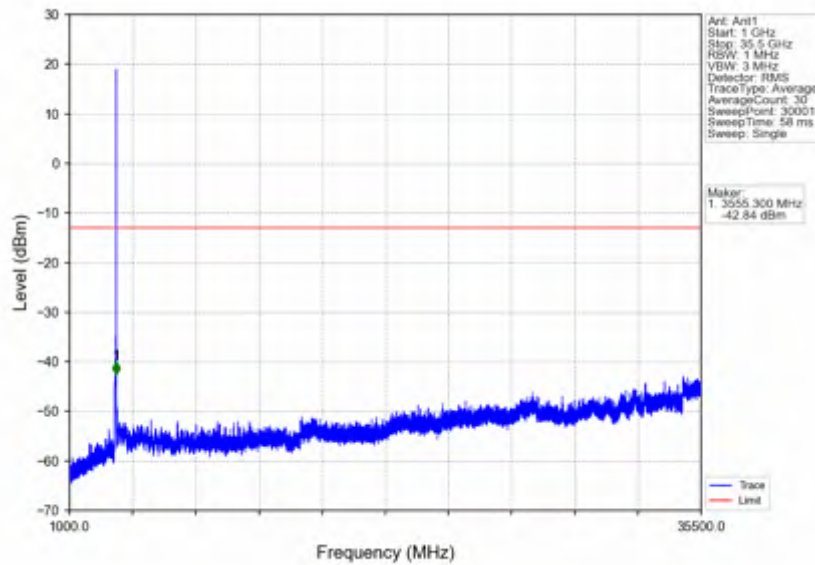
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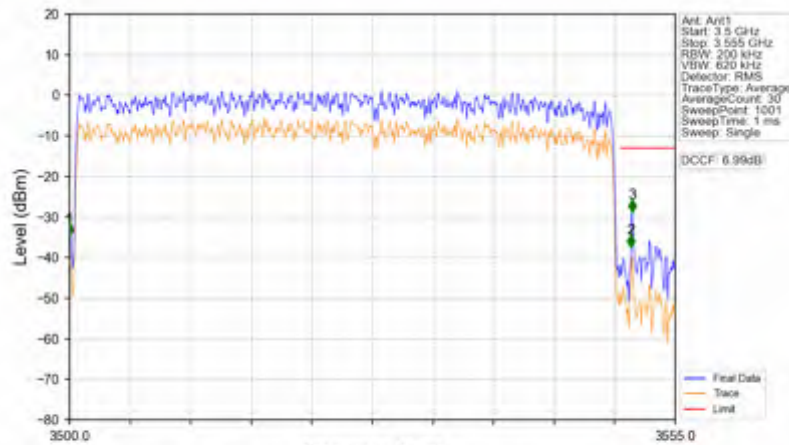
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n78e\_15kHz\_SISO\_NTNV\_50MHz\_CP-OFDM QPSK\_3525MHz\_Outer\_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3500	3550	0.2	0	1	3500.000	-34.70	-13	Pass
3550	3550	0.2	0	1	3550.000	-37.49	-13	Pass
3550	3551	0.2	0	2	3550.985	-37.49	-13	Pass
3551	3555	0.5	3.98	3	3551.095	-28.88	-13	Pass



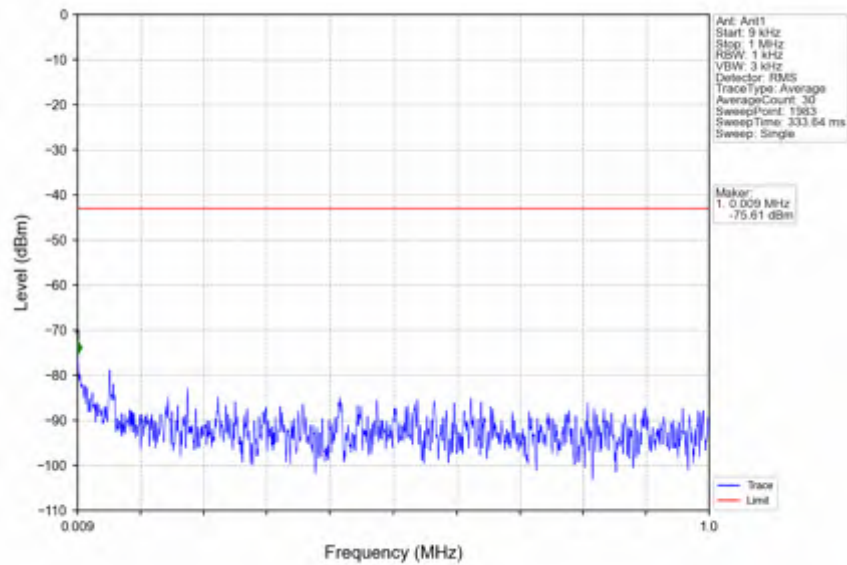
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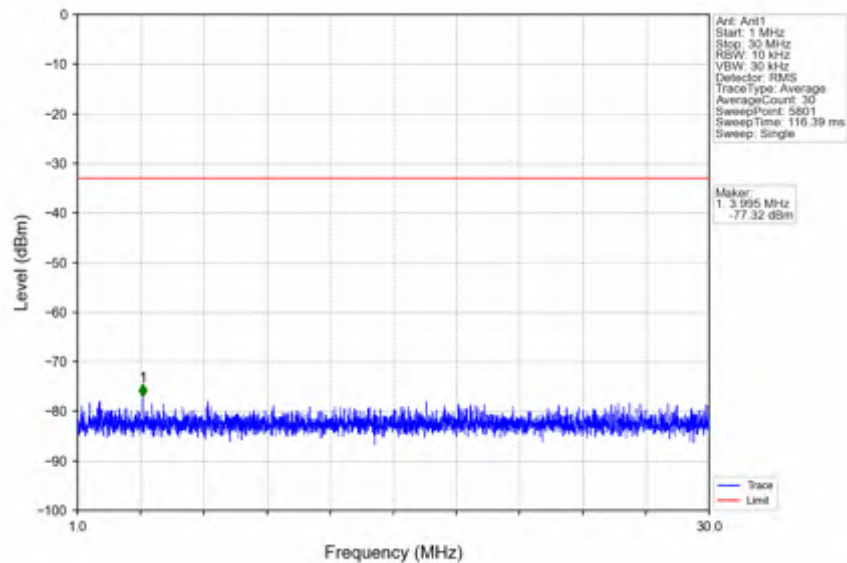
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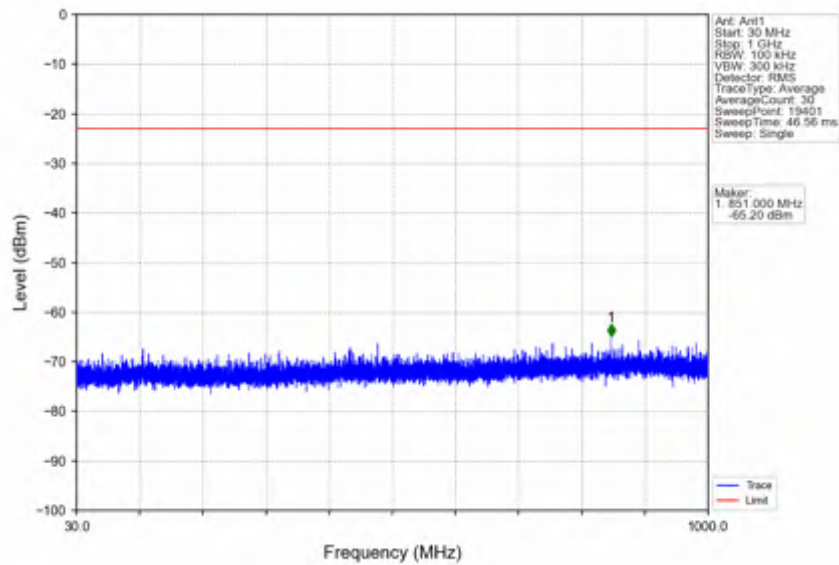


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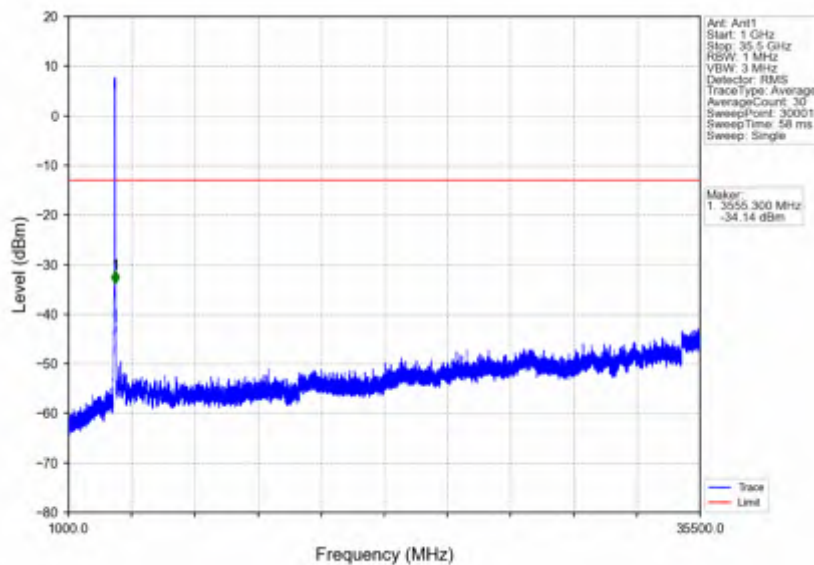
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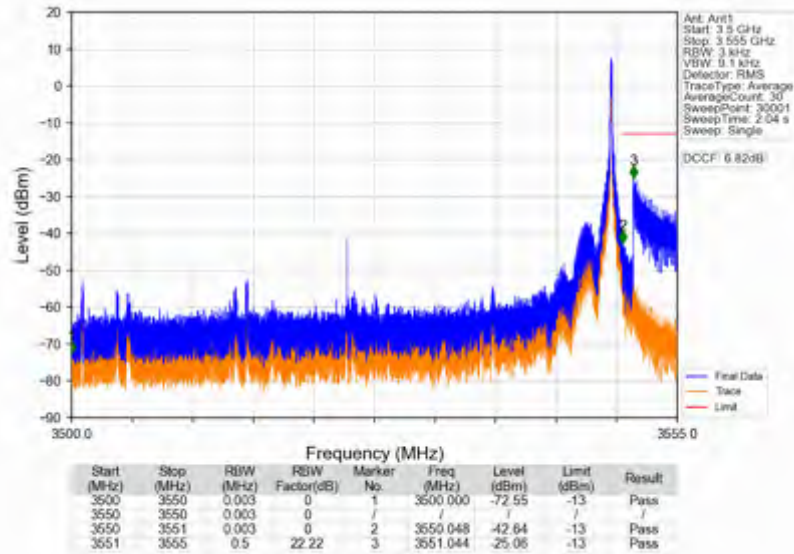
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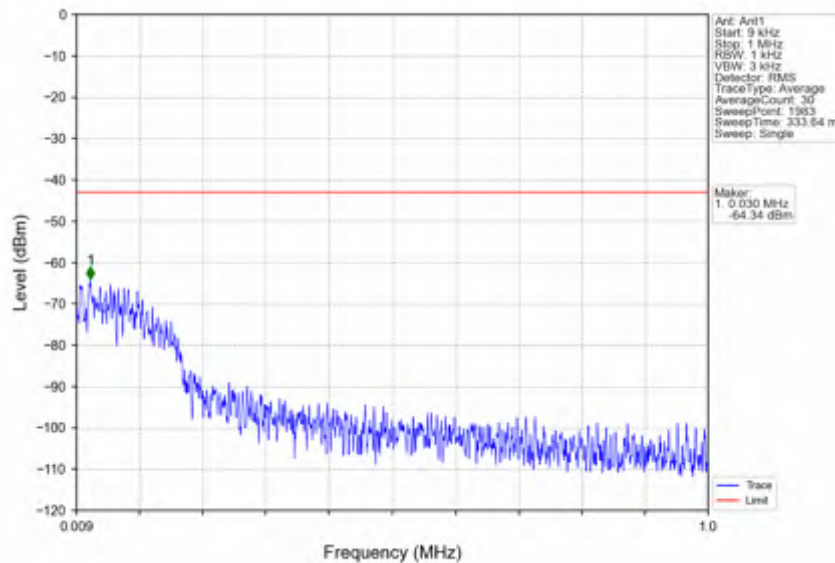
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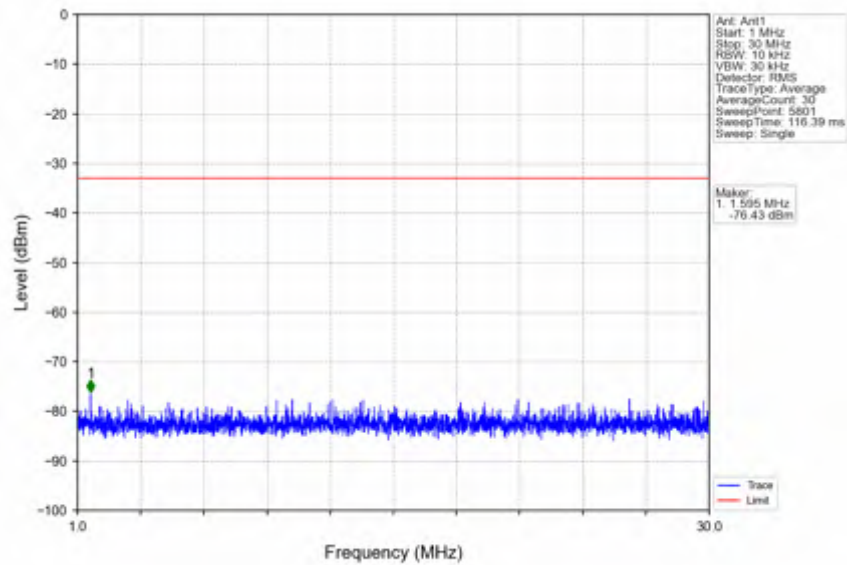


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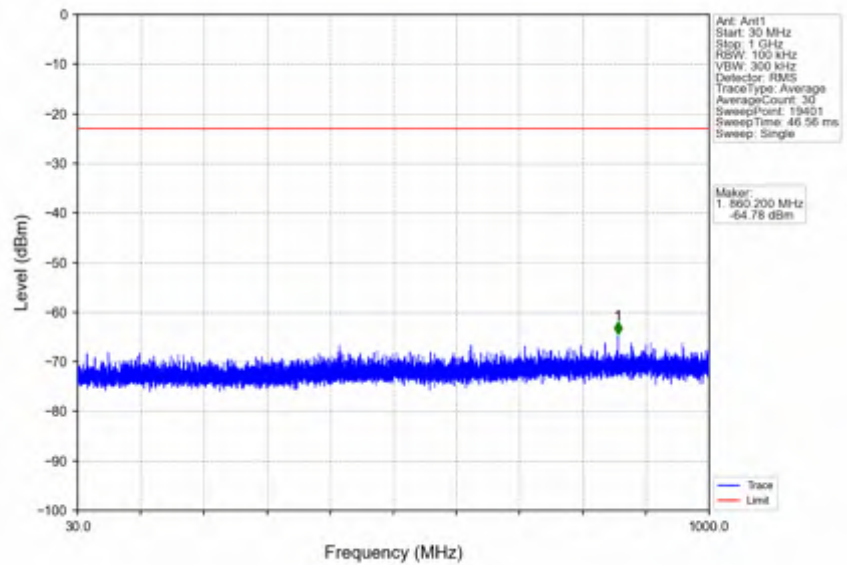
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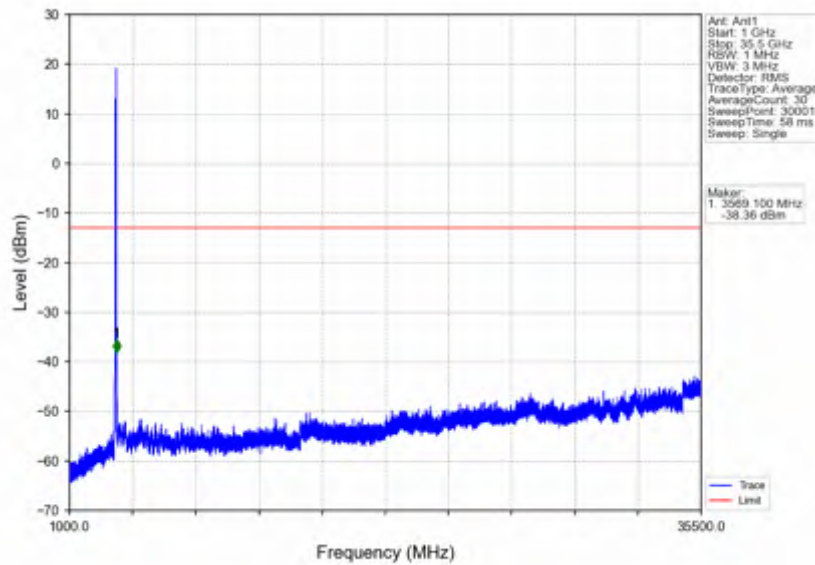
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## 9.8 30k\_SISO\_10MHz\_NTNV

### 9.8.1 Test Result

5G NR n78e SCS=30kHz SISO 10MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	
DFT-s-OFDM PI/2 BPSK	3455.01	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
	3544.98	Inner_1RB_Right	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM QPSK	3455.01	Inner_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Right	Refer To Test Graph			Pass
	3500.01	Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Right	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass
	3544.98	Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Right	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass
CP-OFDM QPSK	3455.01	Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass
	3500.01	Edge_1RB_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Right	Refer To Test Graph			Pass
	3544.98	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Right	Refer To Test Graph			Pass



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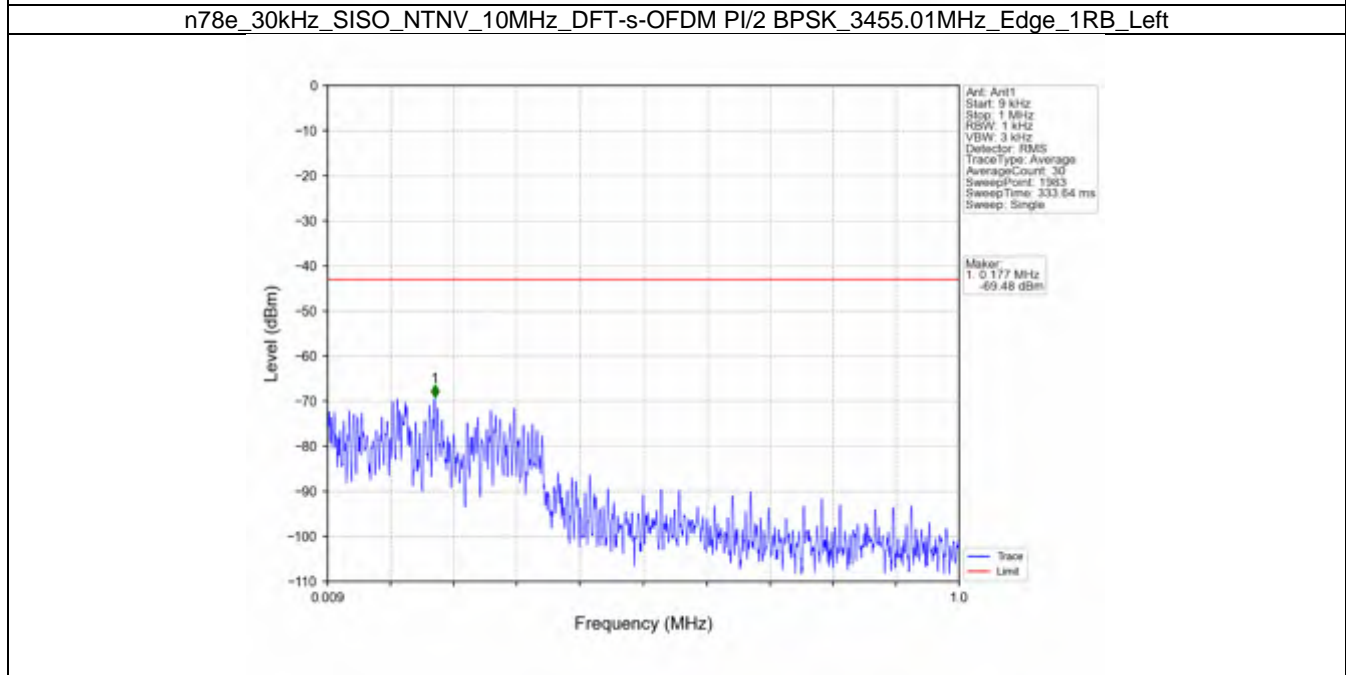
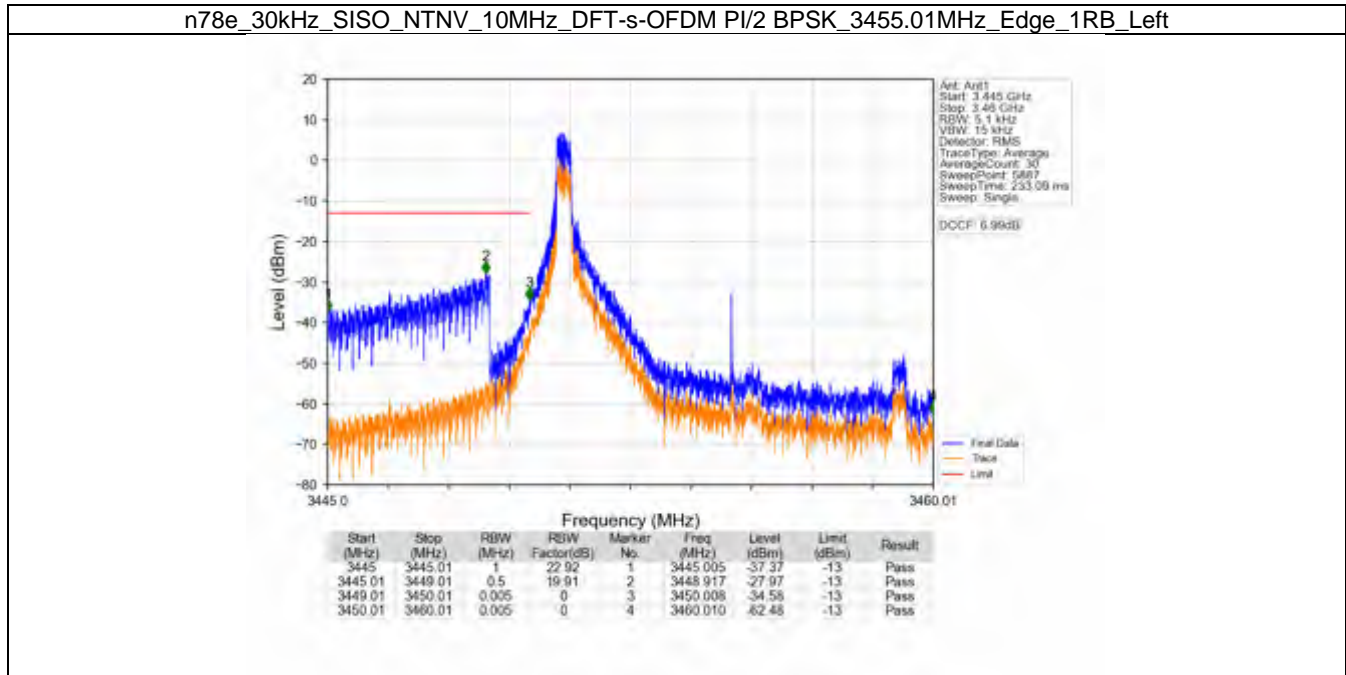
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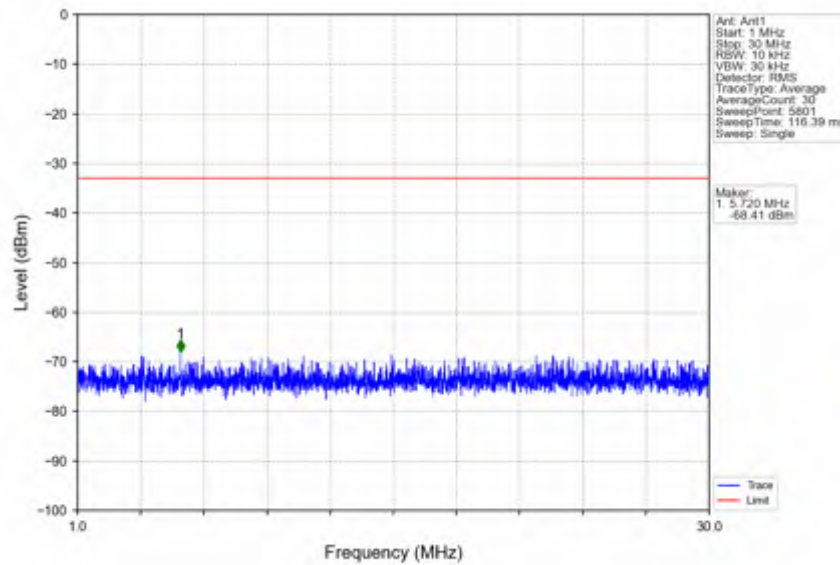
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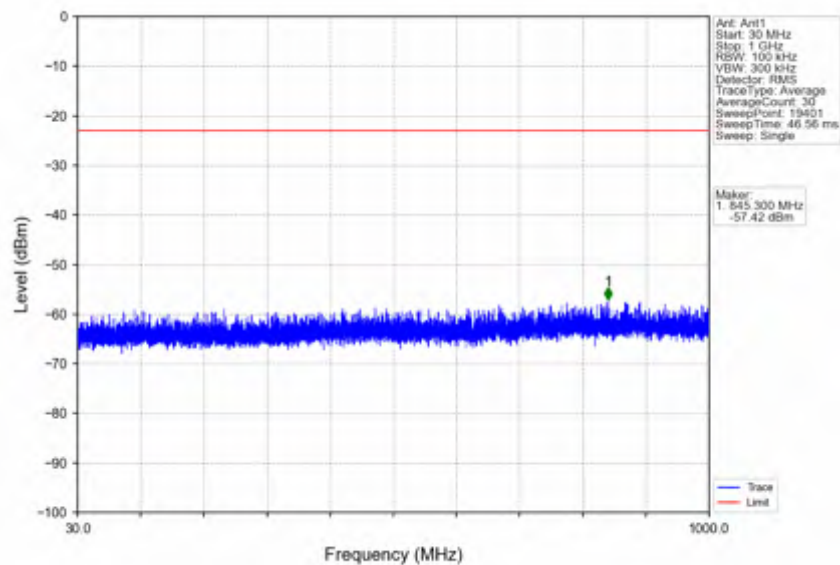
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3455.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3455.01MHz\_Edge\_1RB\_Left

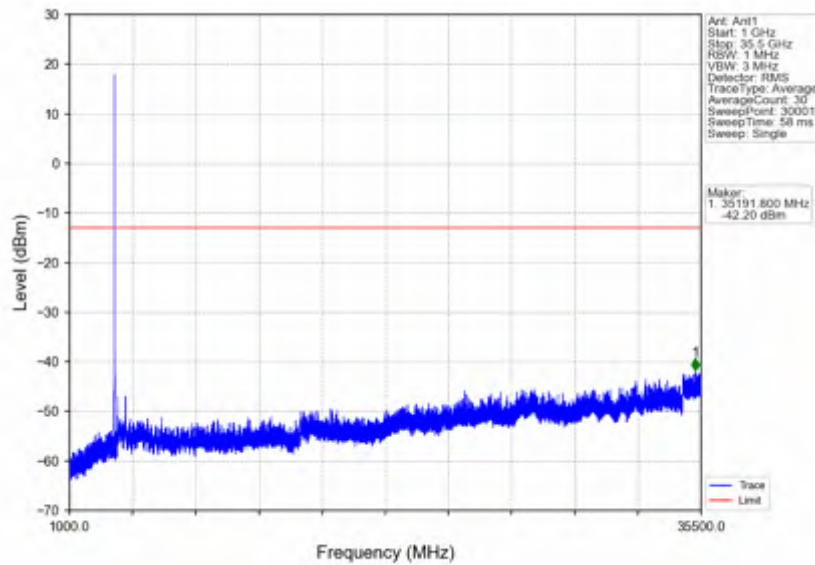


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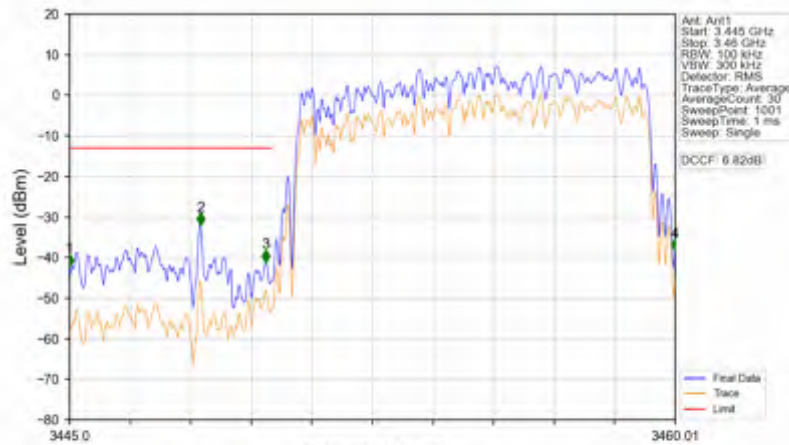
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3455.01MHz\_Outer\_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.01	1	10	1	3445.000	-42.18	-13	Pass
3449.01	3449.01	0.5	6.99	2	3449.242	-31.98	-13	Pass
3449.01	3450.01	0.103	0.13	3	3449.863	-41.12	-13	Pass
3450.01	3460.01	0.103	0.13	4	3460.010	-38.44	-13	Pass

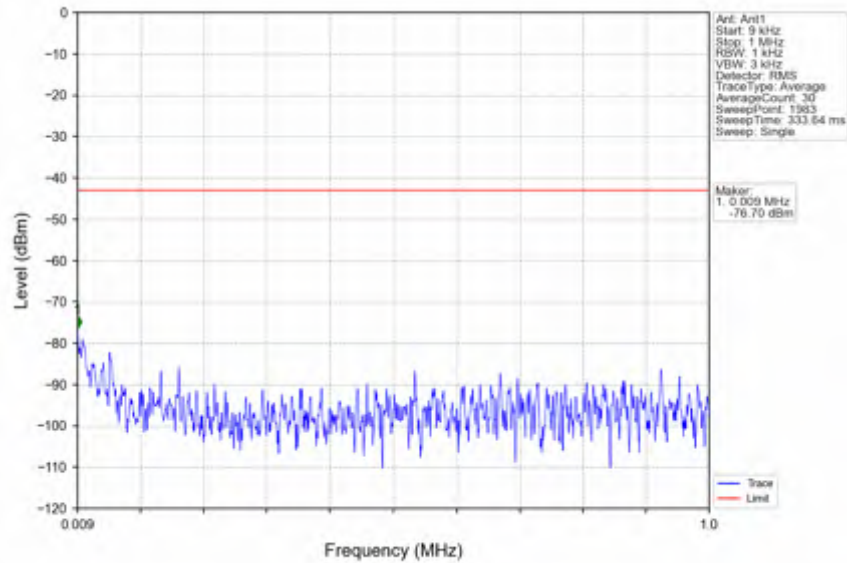


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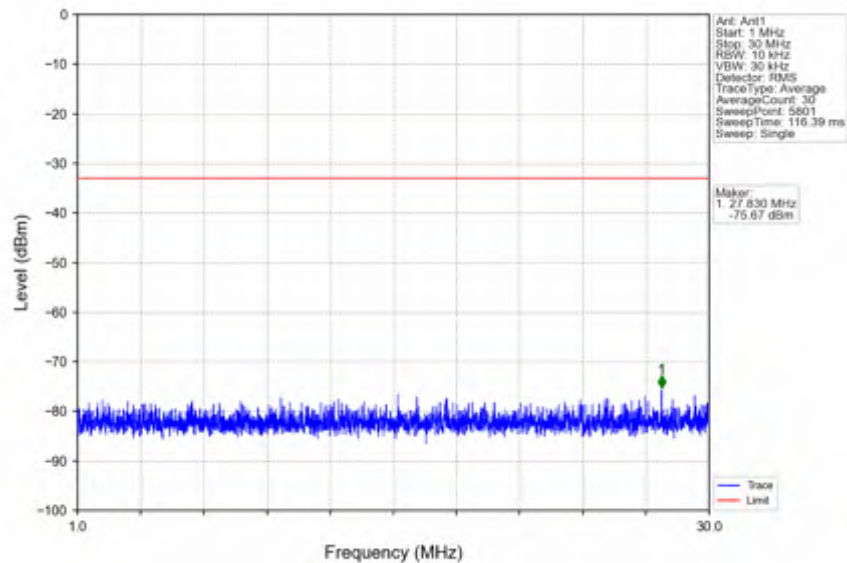
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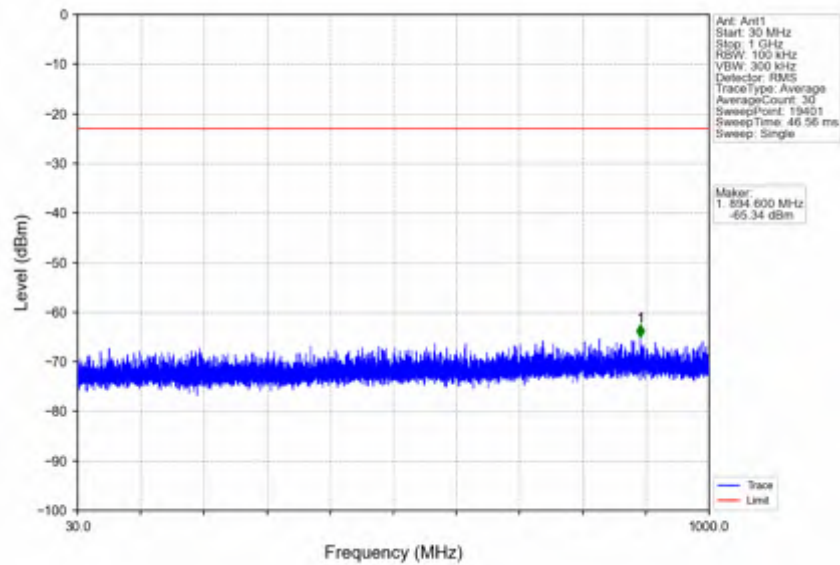
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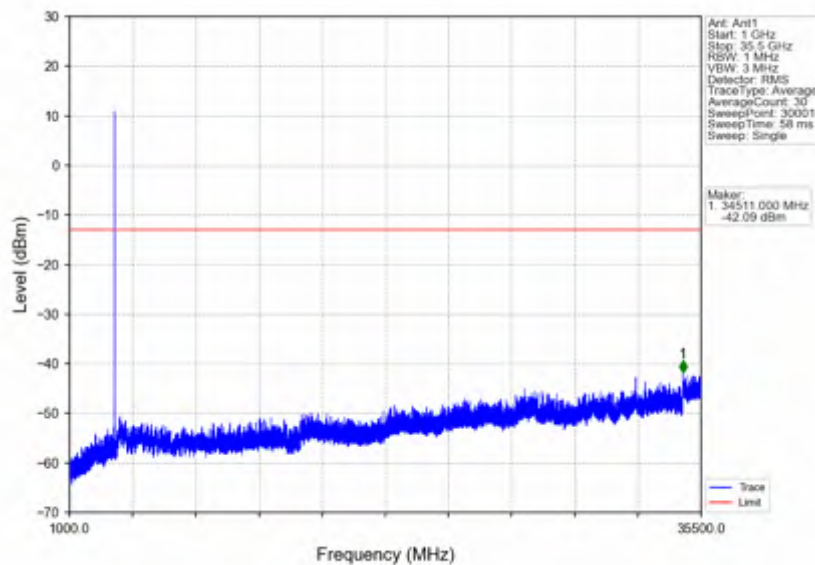
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3455.01MHz\_Outer\_Full



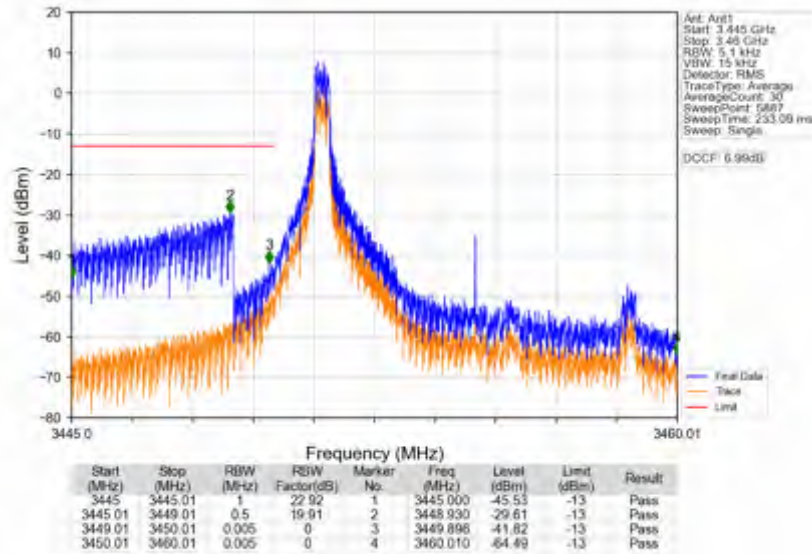
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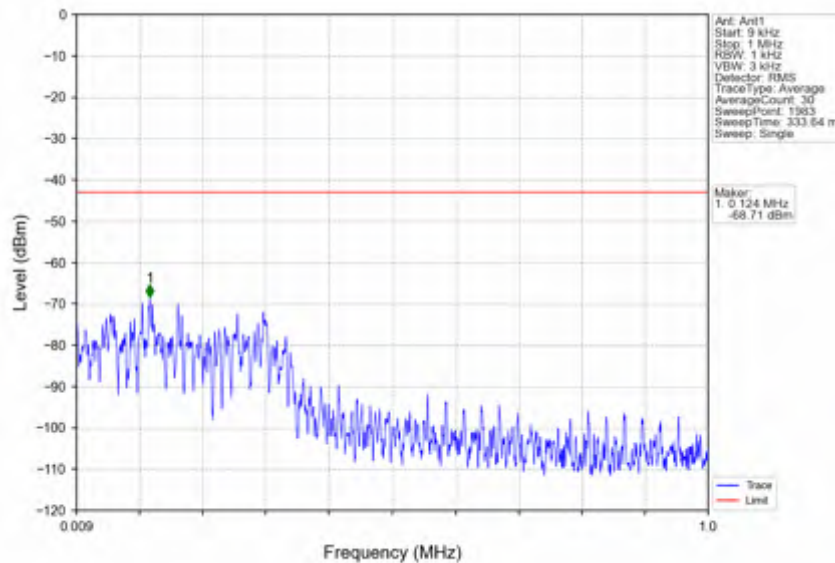
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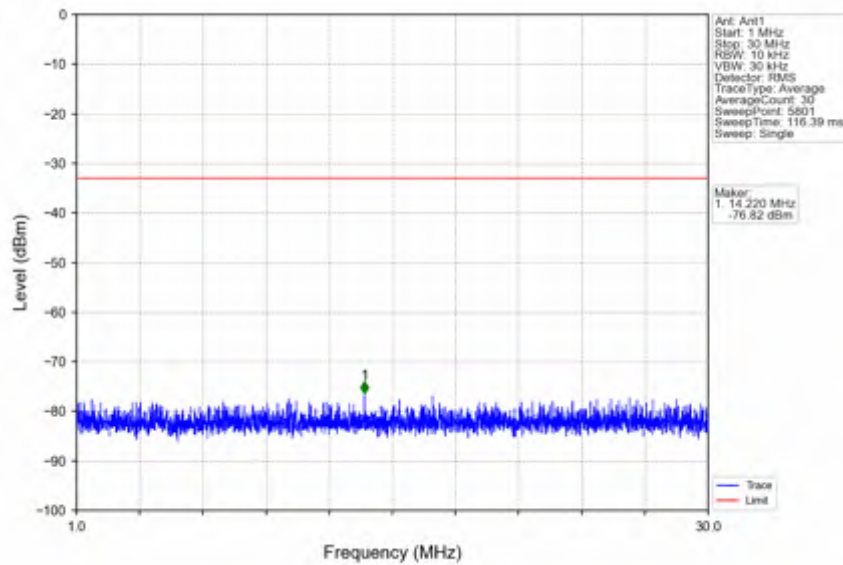


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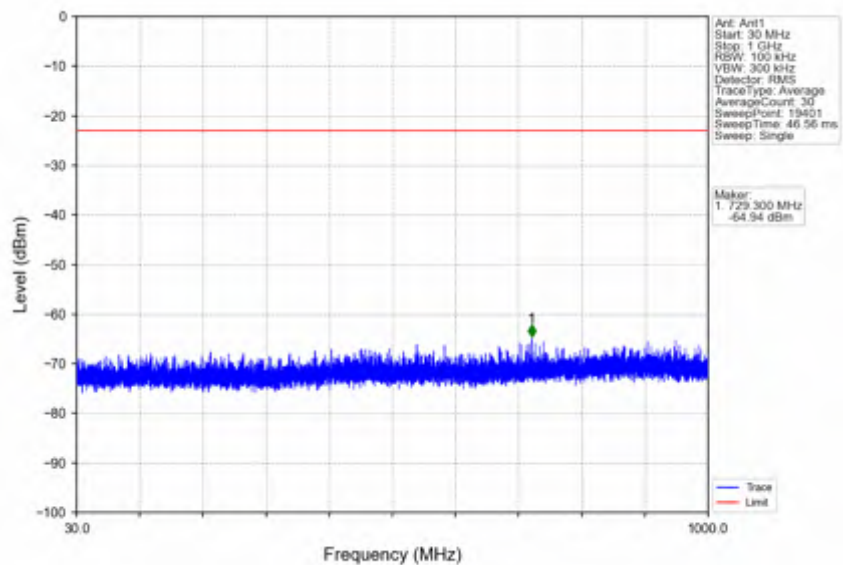
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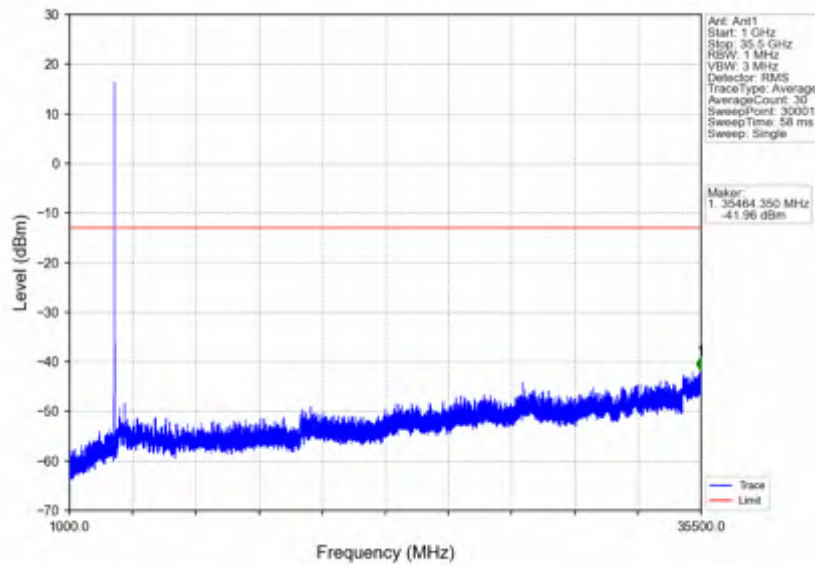


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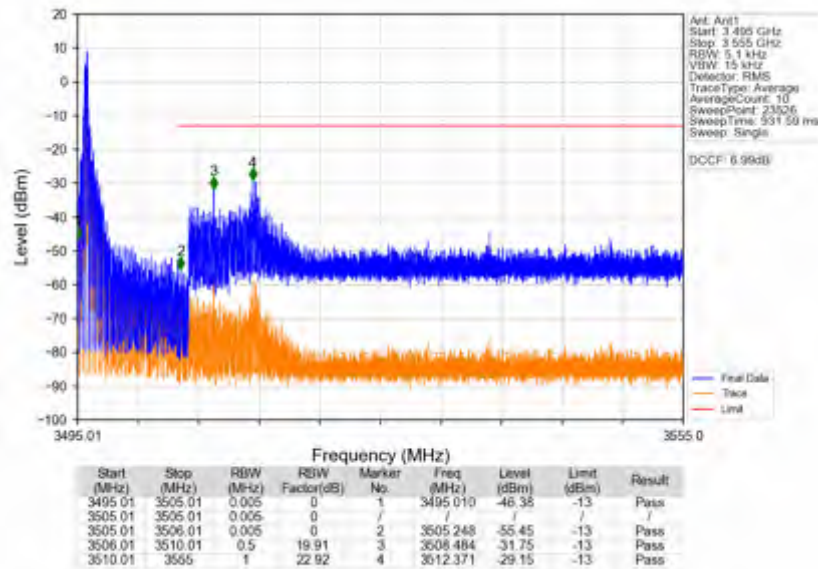
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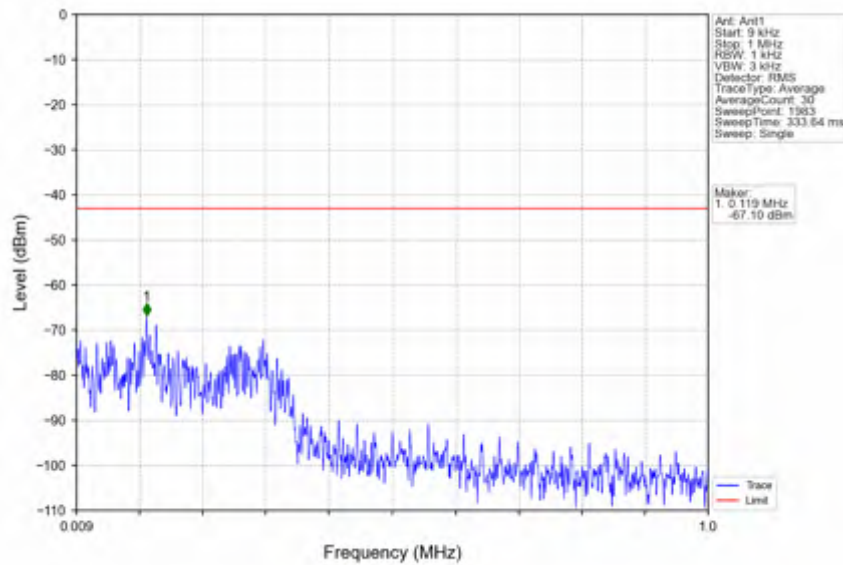
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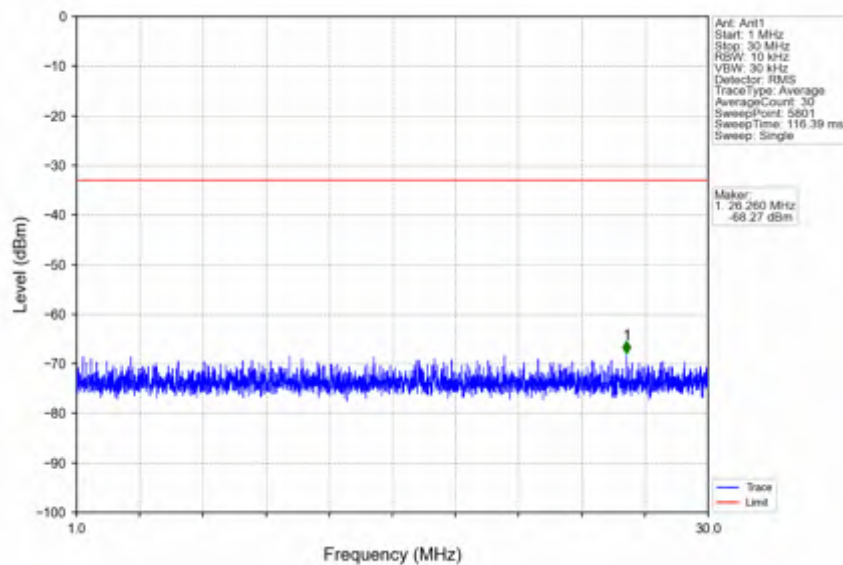
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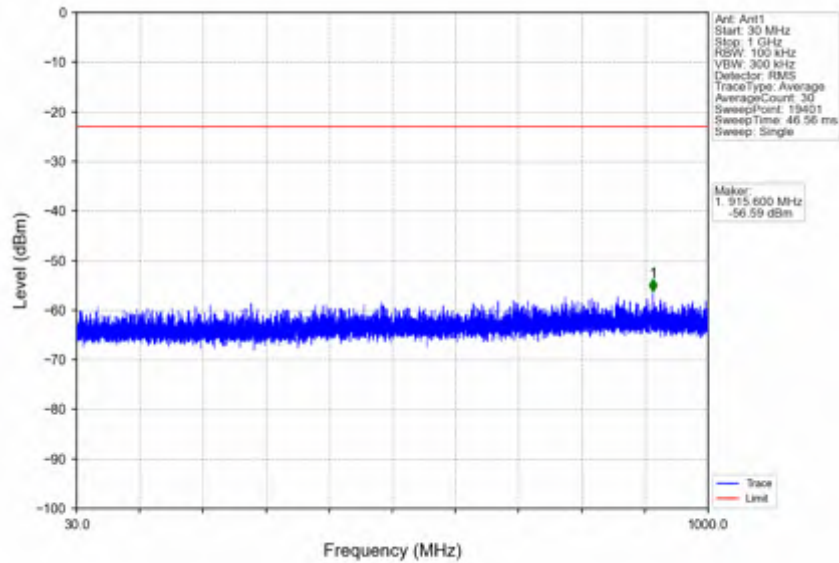


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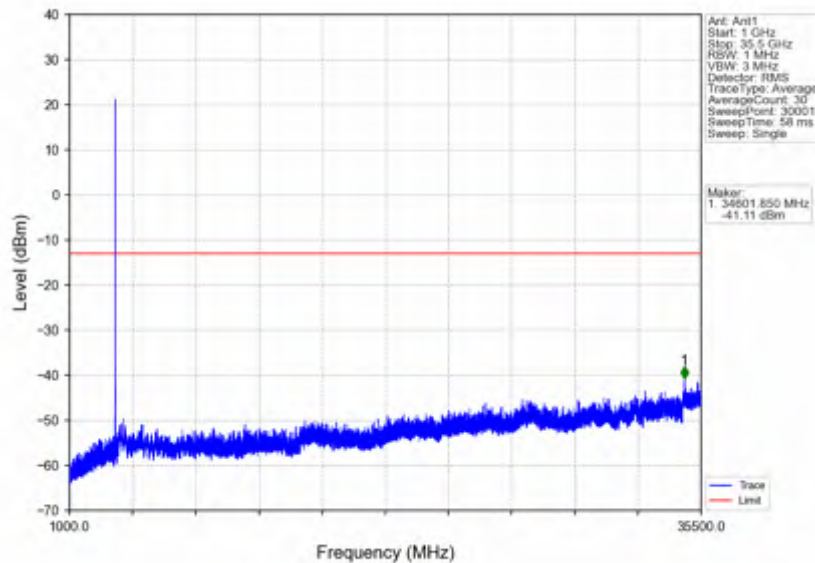
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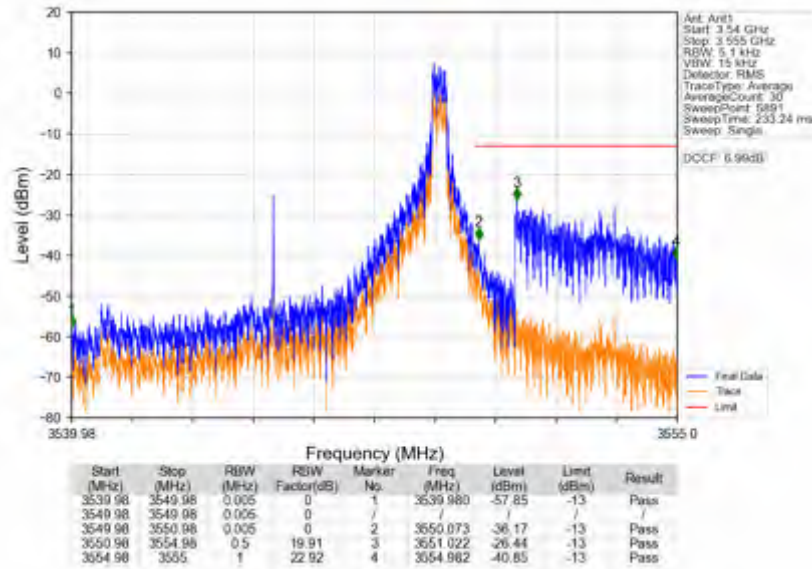
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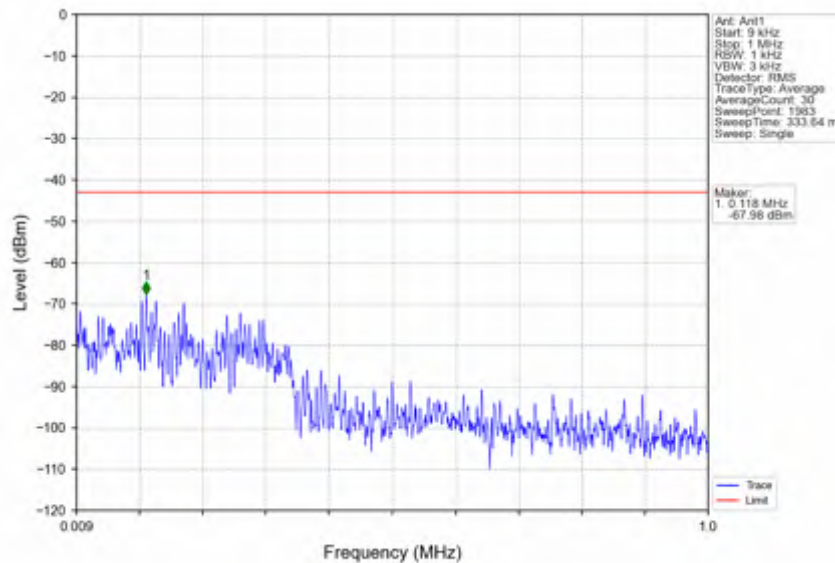
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3544.98MHz\_Edge\_1RB\_Right

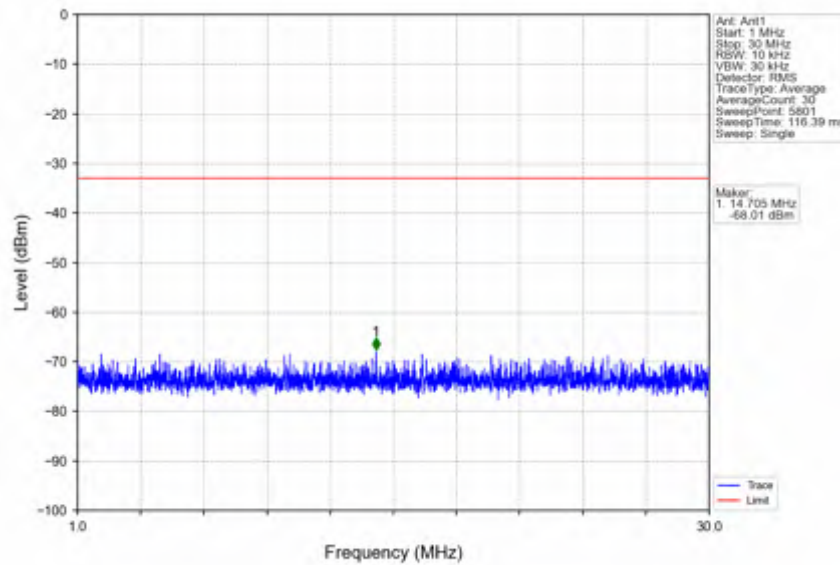


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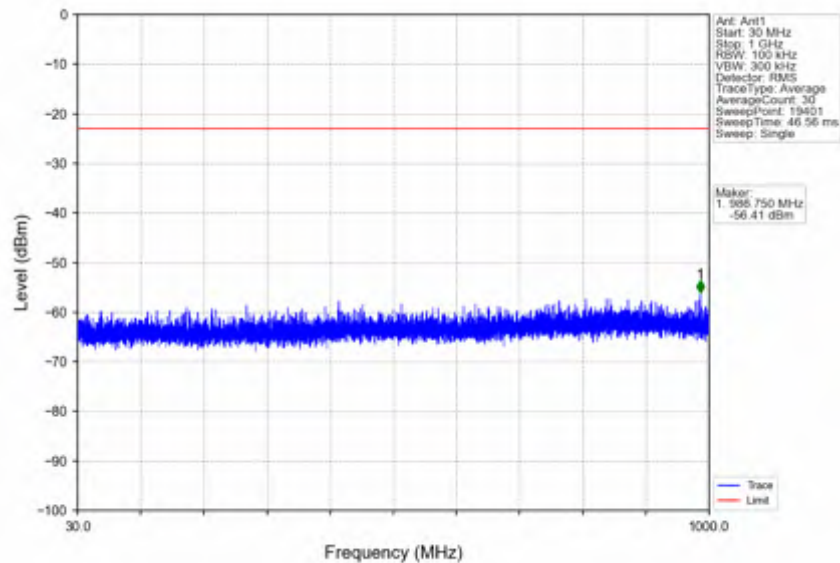
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3544.98MHz\_Edge\_1RB\_Right



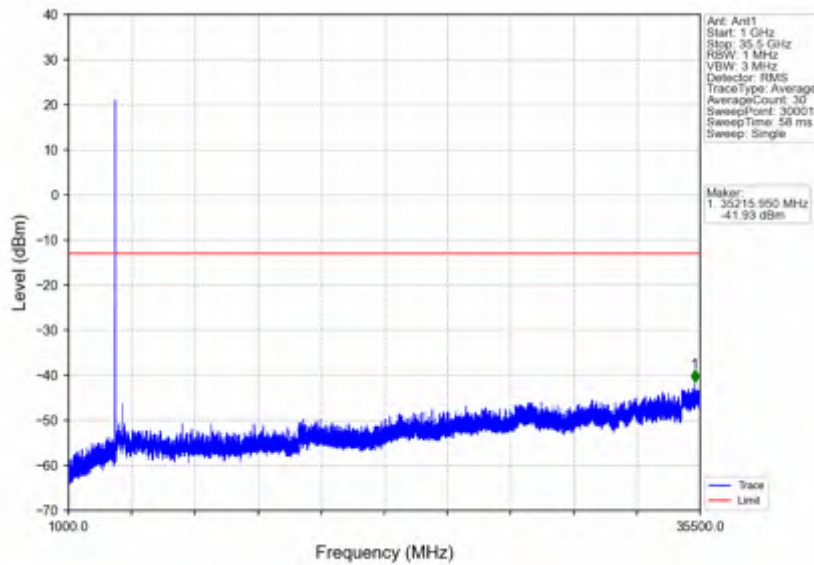
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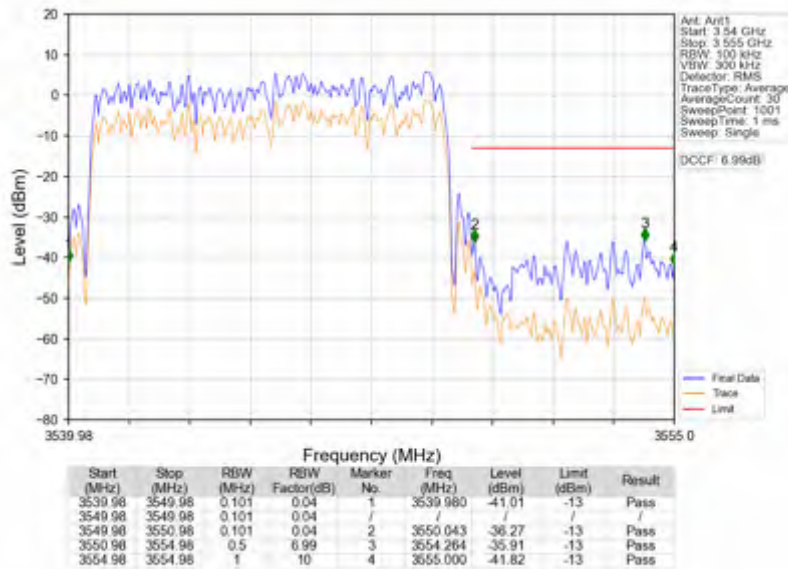
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3544.98MHz\_Edge\_1RB\_Right



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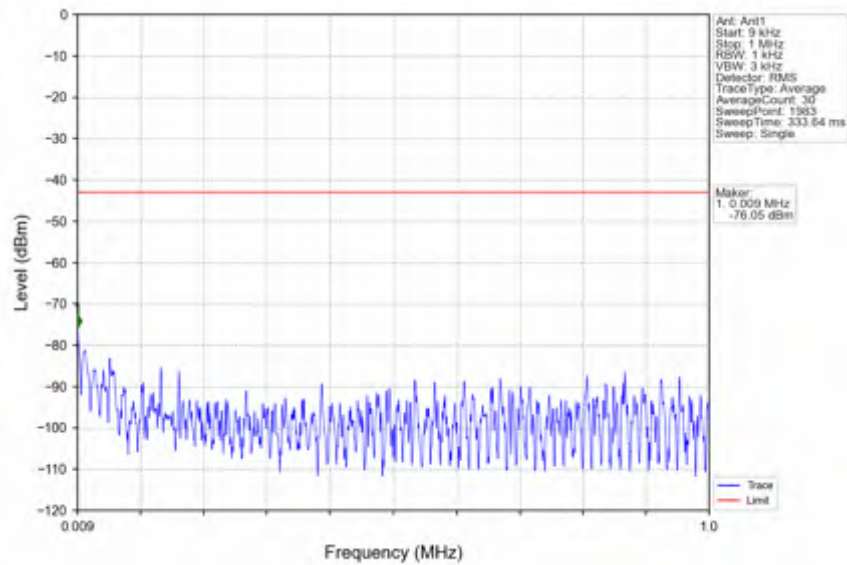
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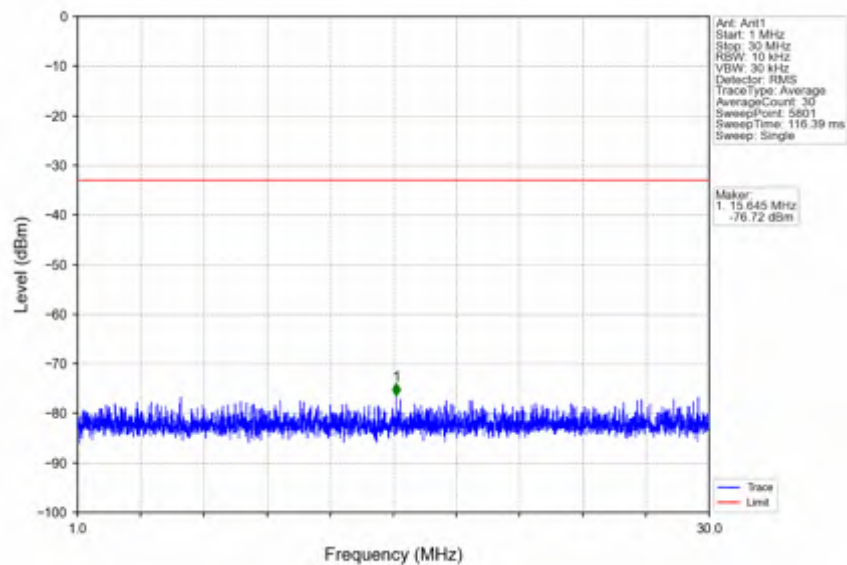
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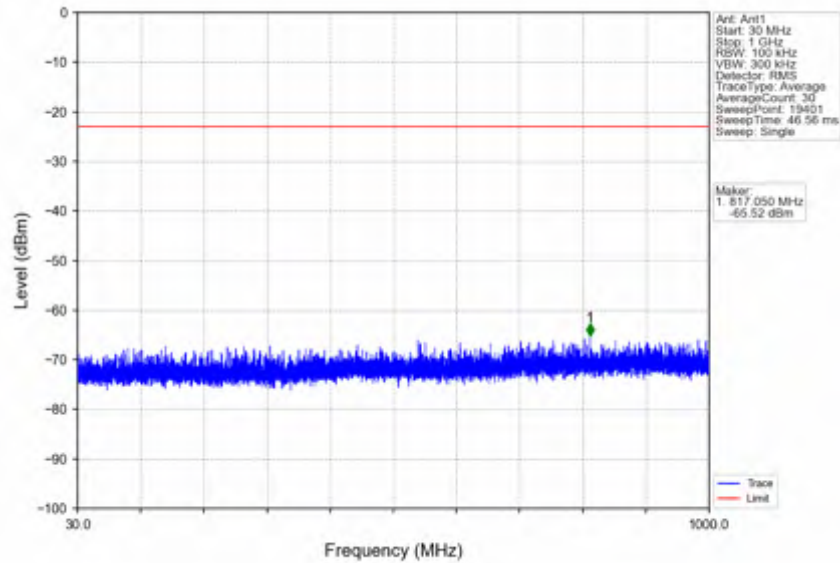


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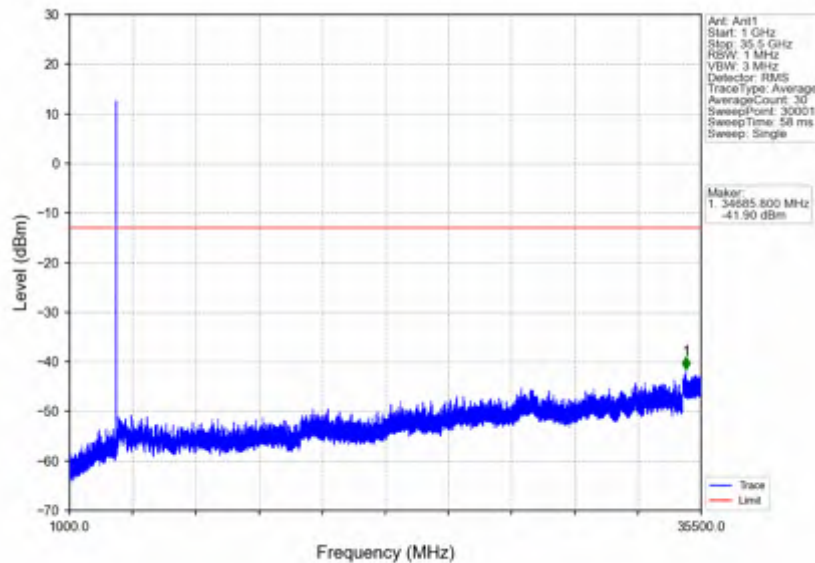
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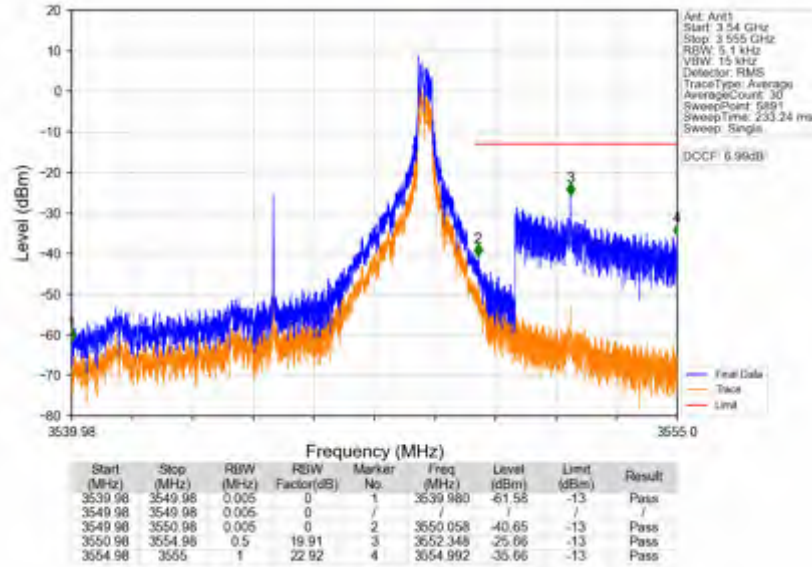
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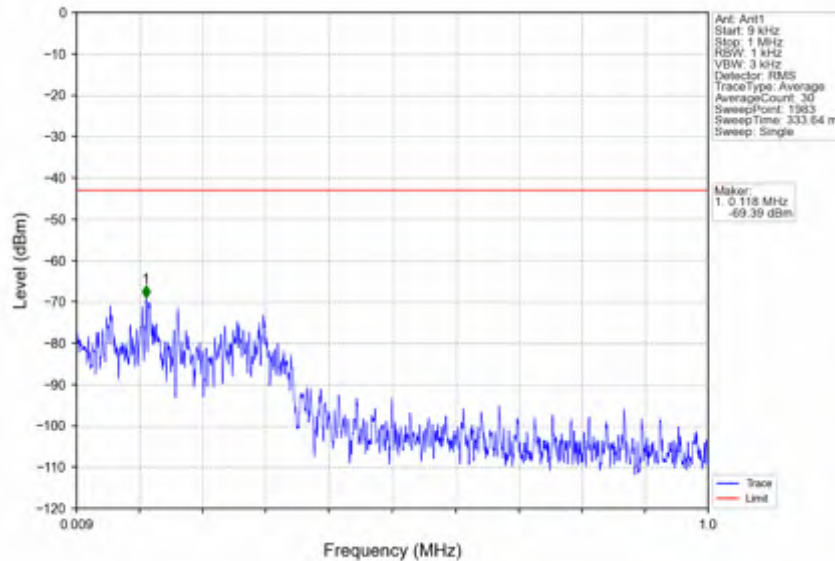
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3544.98MHz\_Inner\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3544.98MHz\_Inner\_1RB\_Right



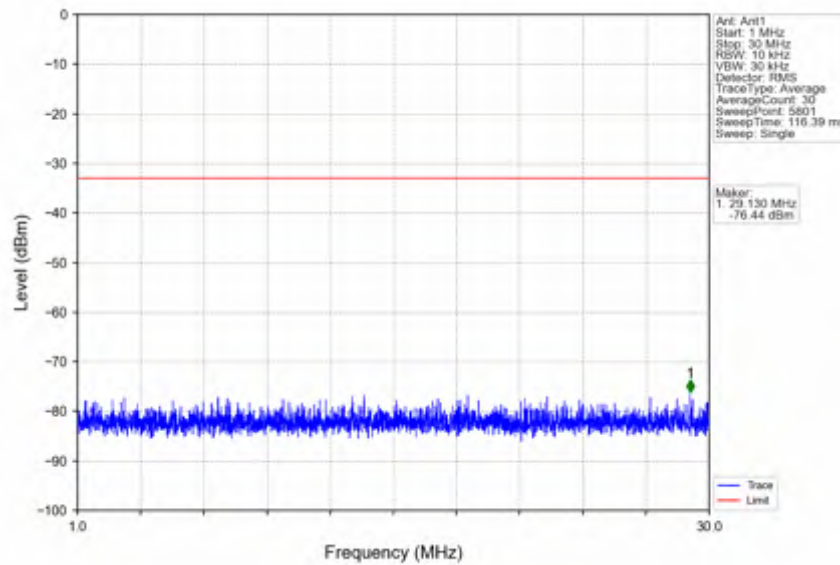
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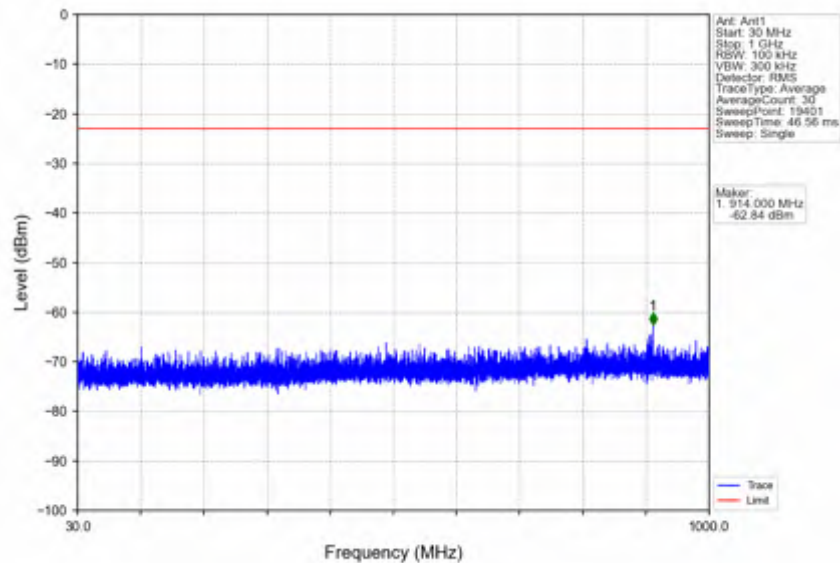
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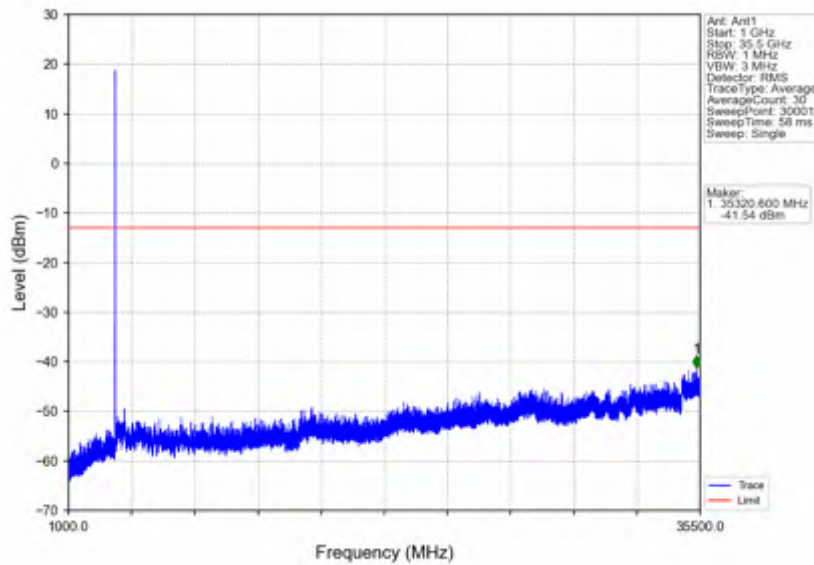
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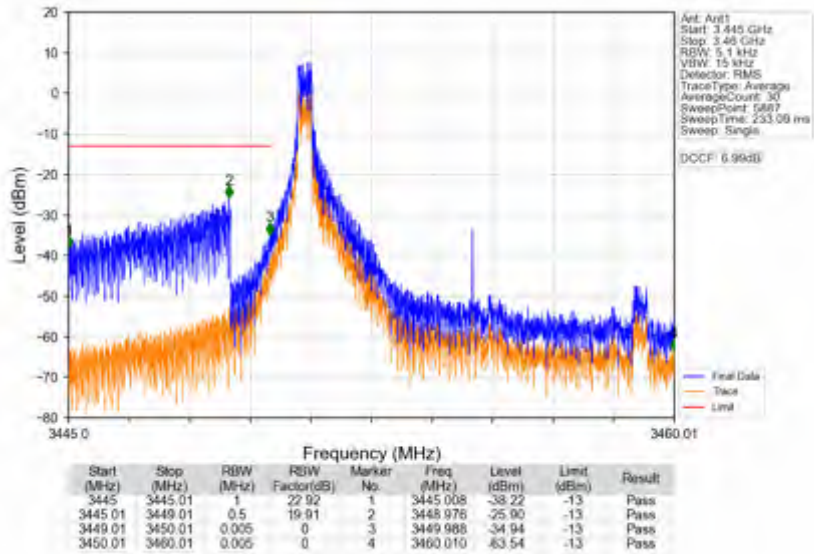
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3544.98MHz\_Inner\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3455.01MHz\_Edge\_1RB\_Left



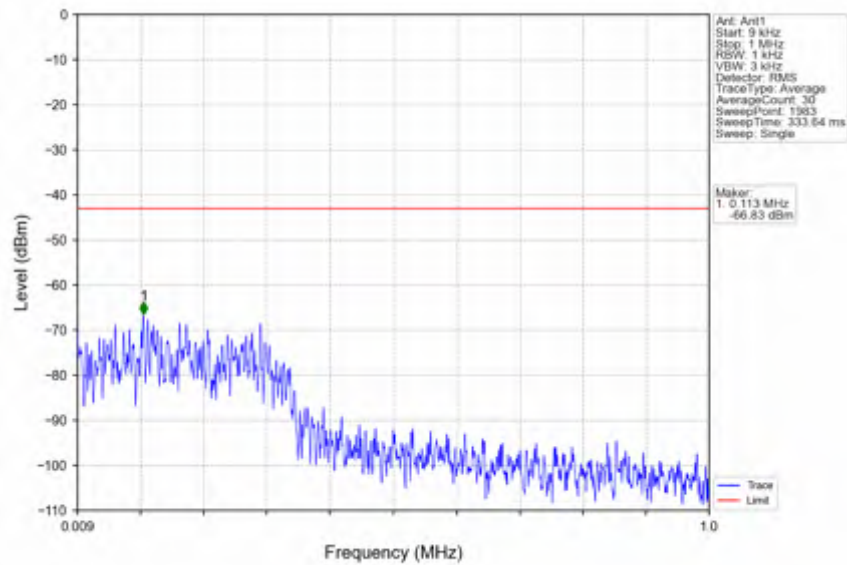
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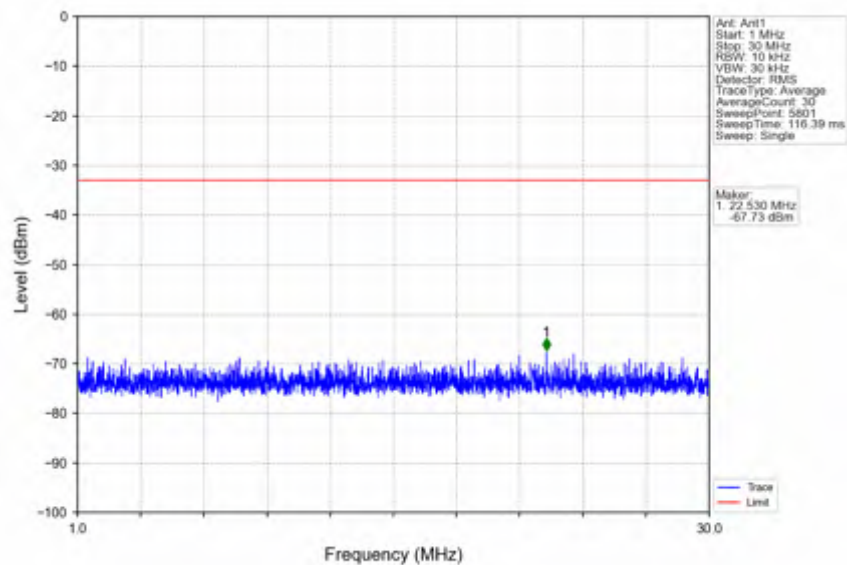
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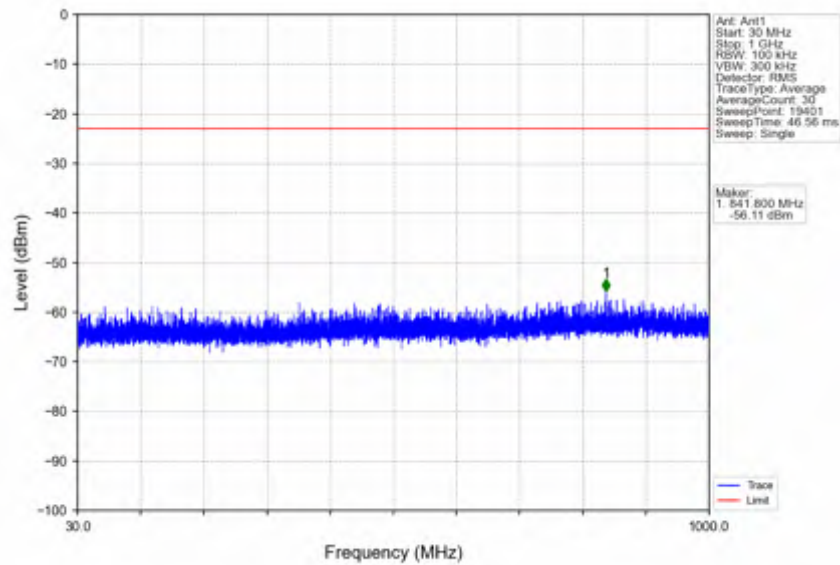
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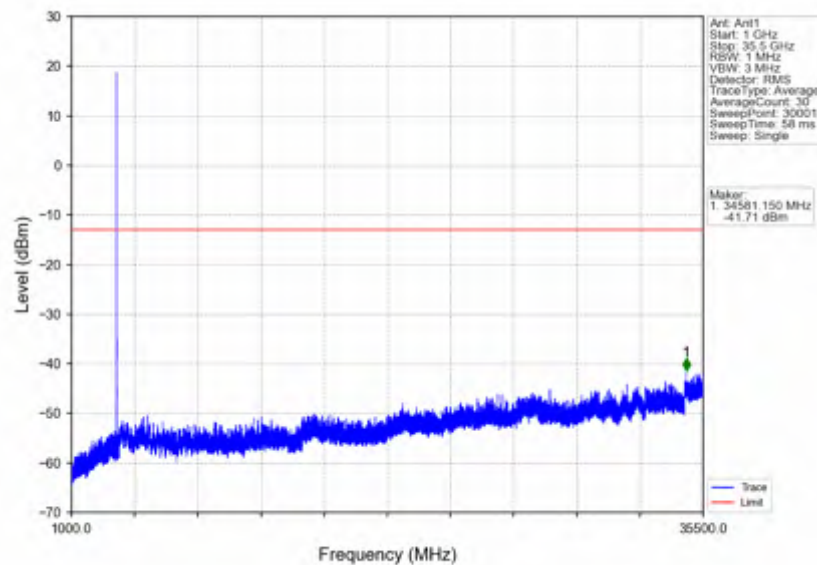
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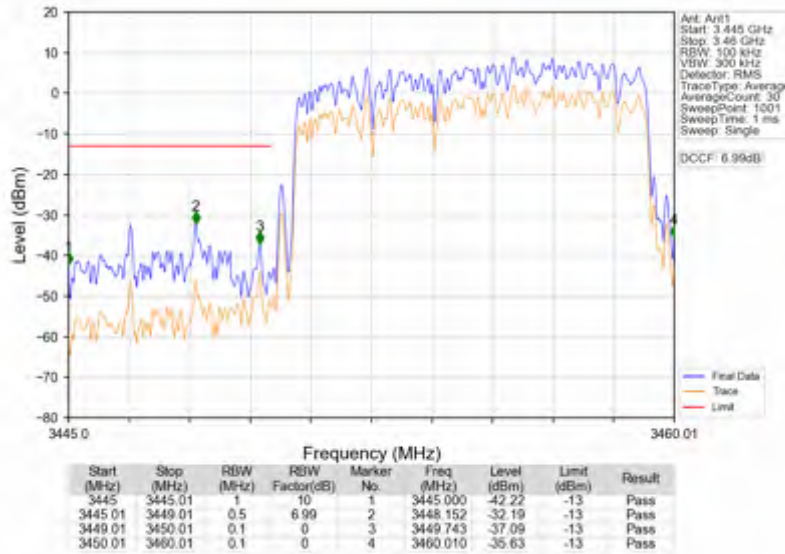


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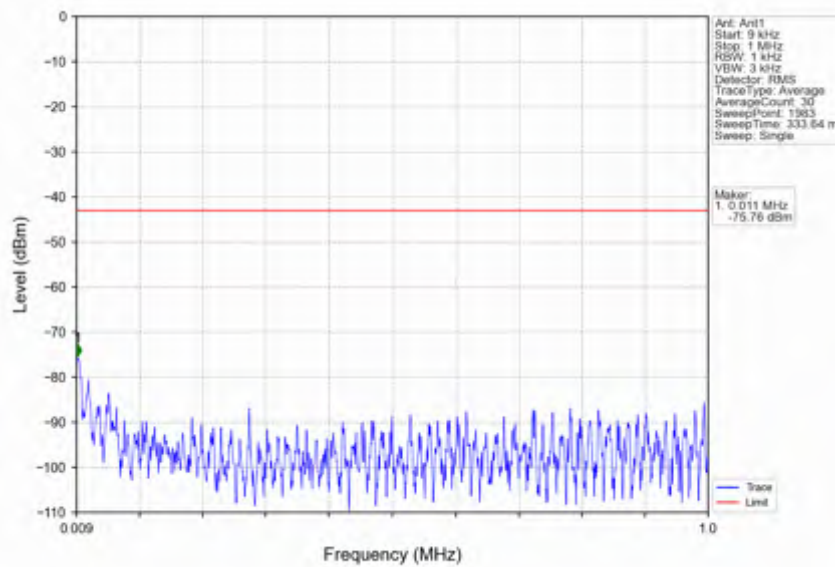
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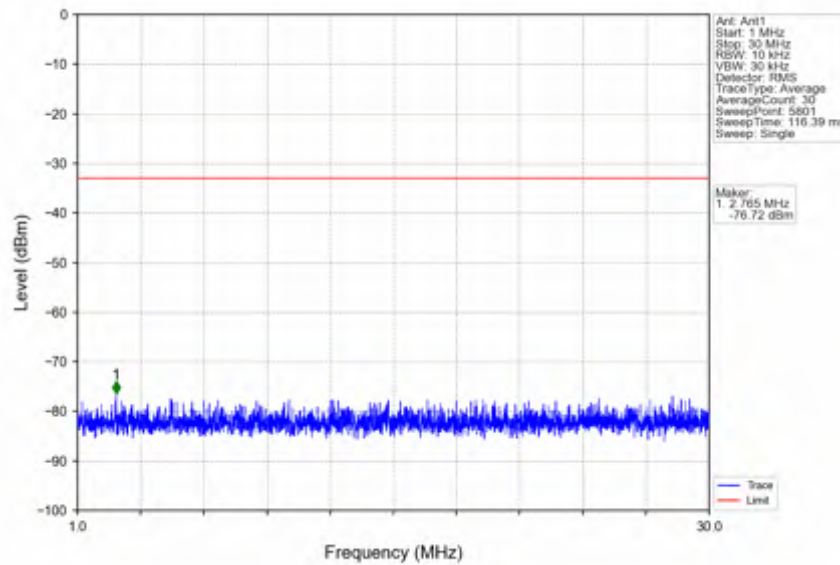


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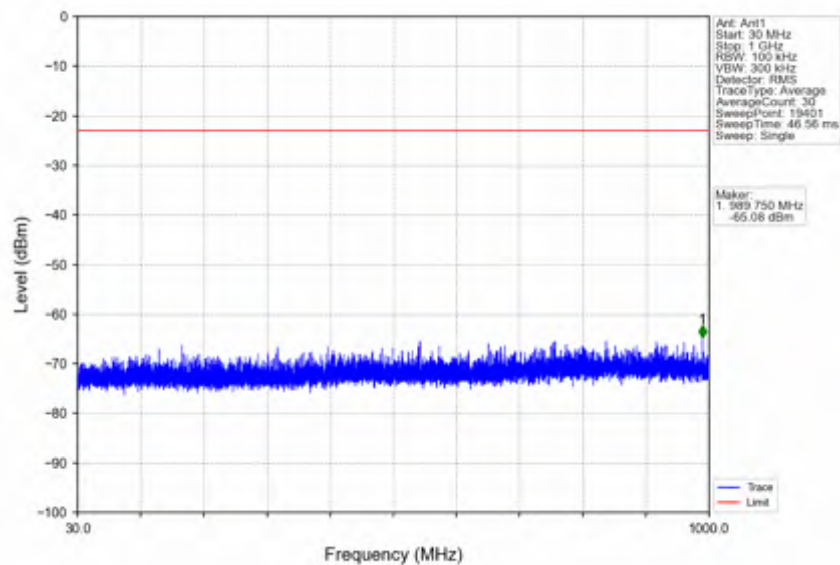
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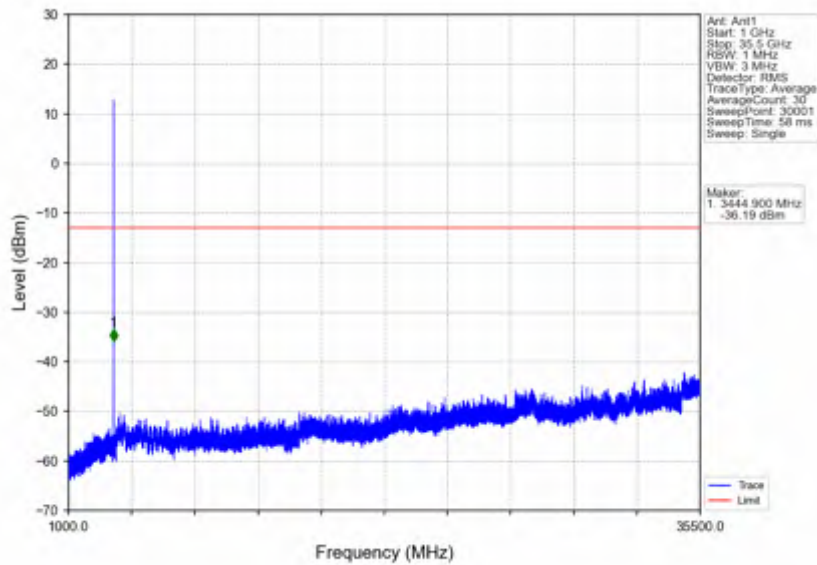
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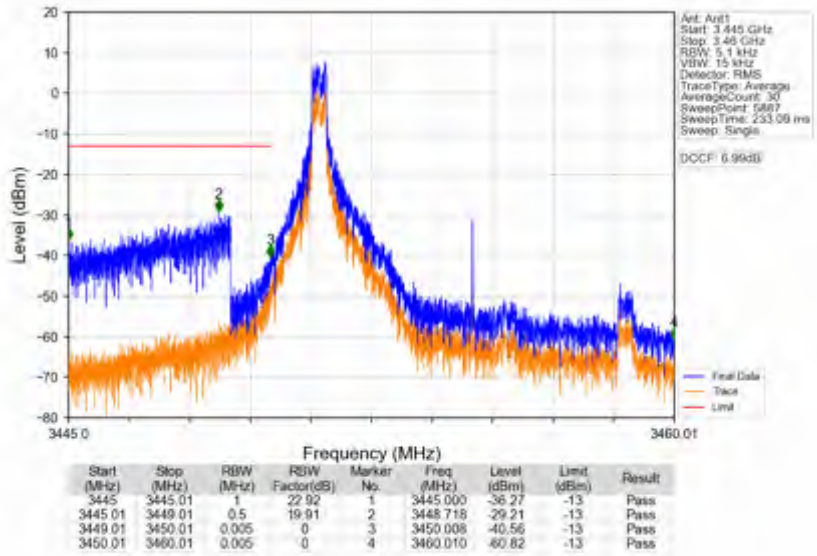
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3455.01MHz\_Outer\_Full



n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3455.01MHz\_Inner\_1RB\_Left

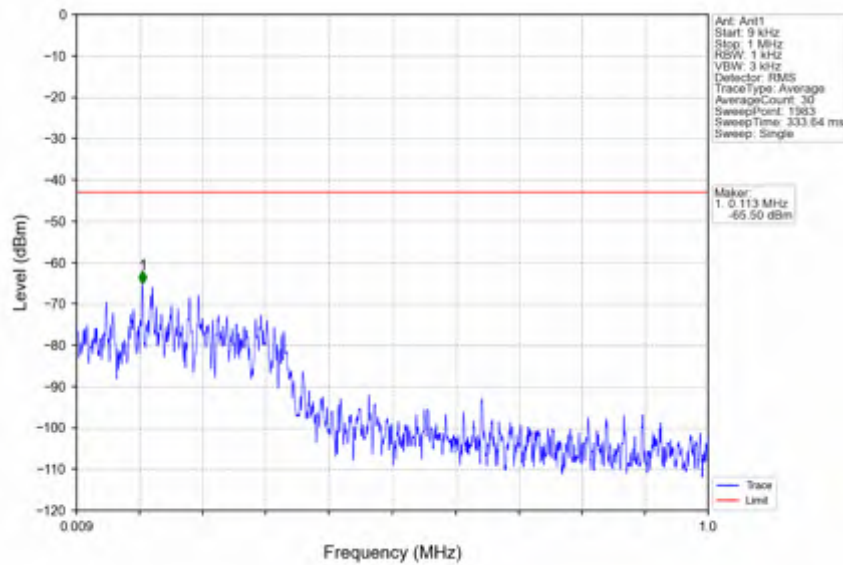


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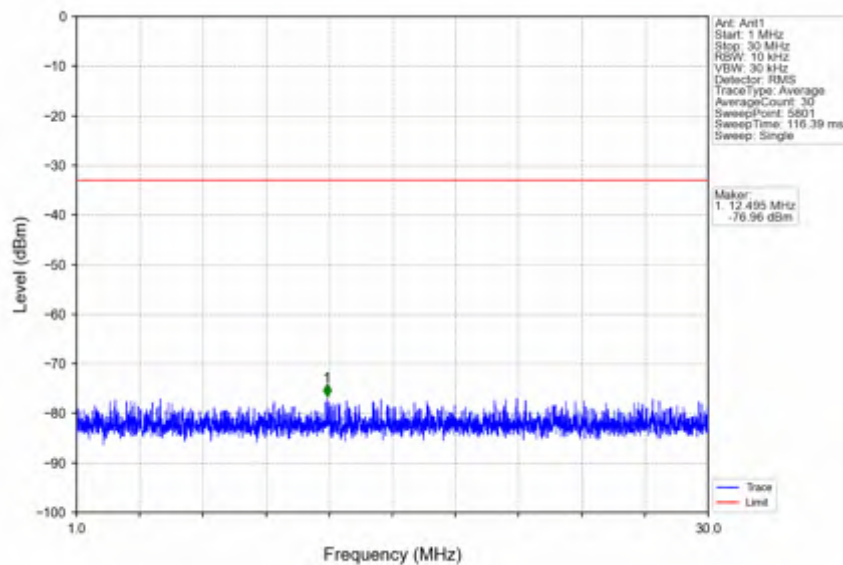
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3455.01MHz\_Inner\_1RB\_Left



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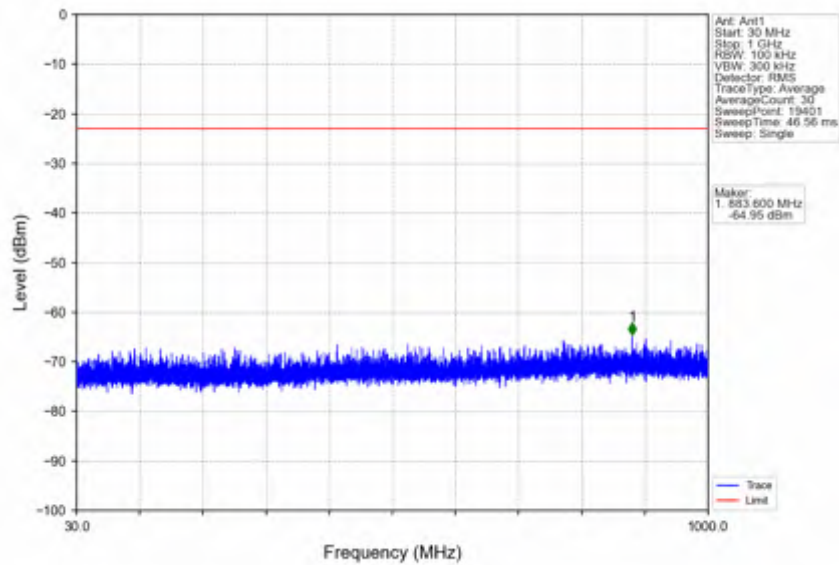
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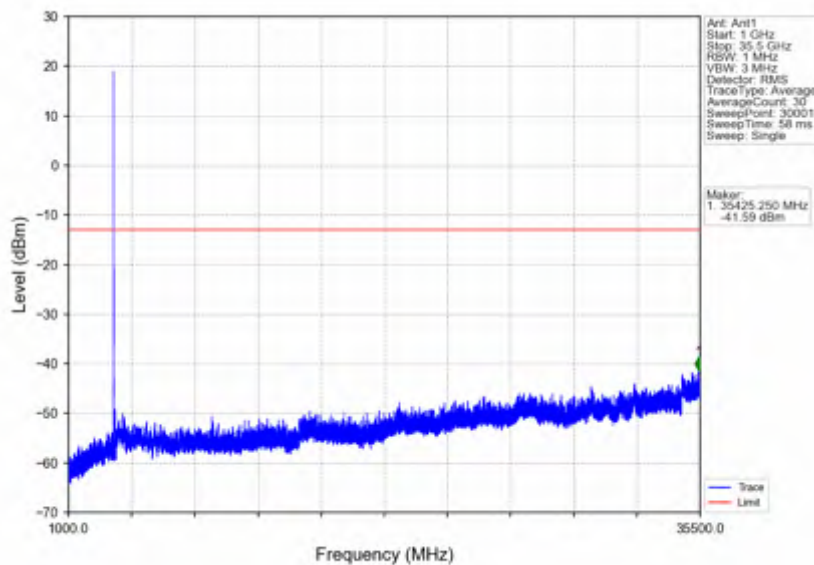
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3455.01MHz\_Inner\_1RB\_Left



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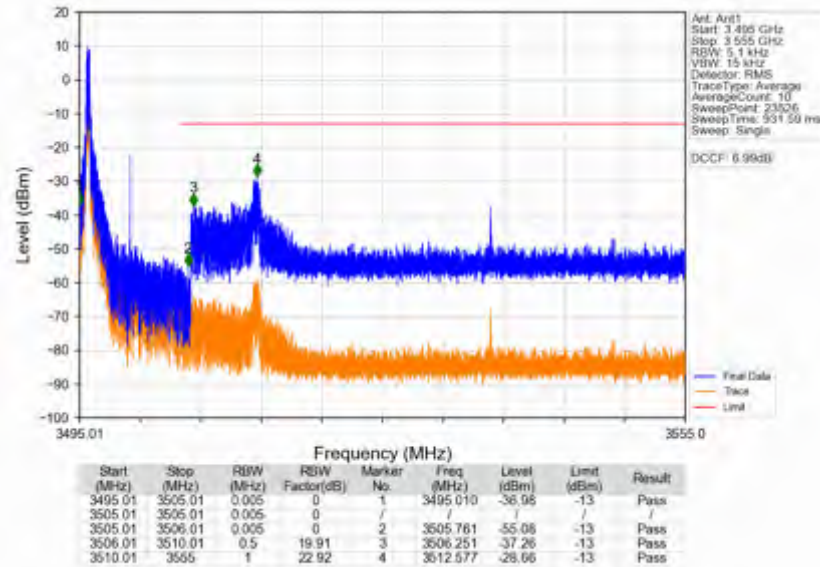
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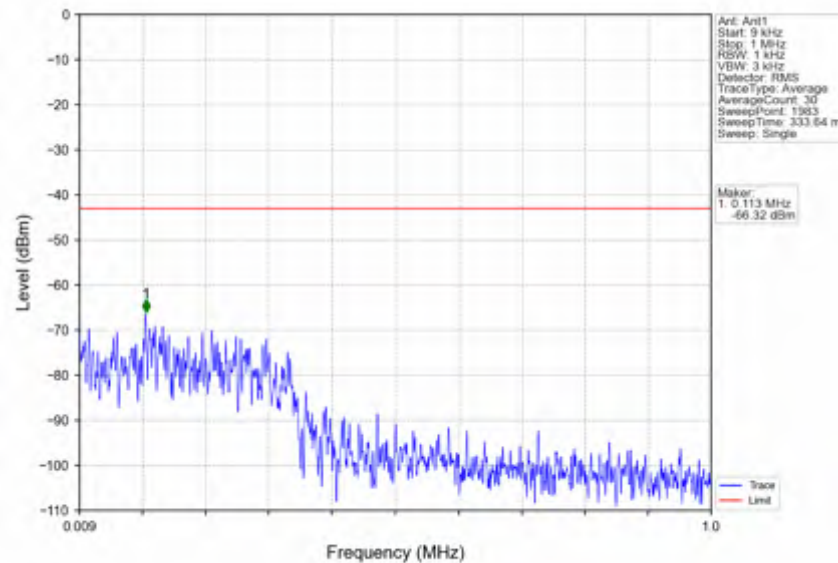
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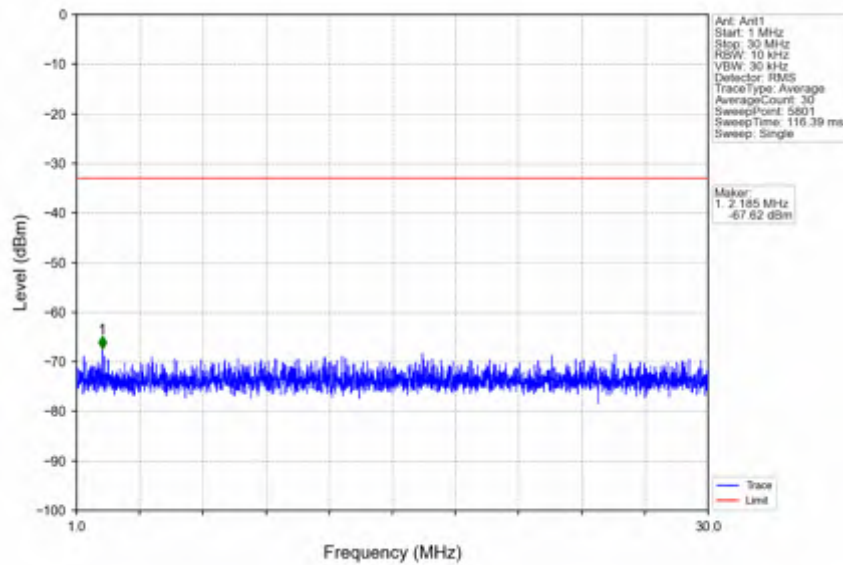
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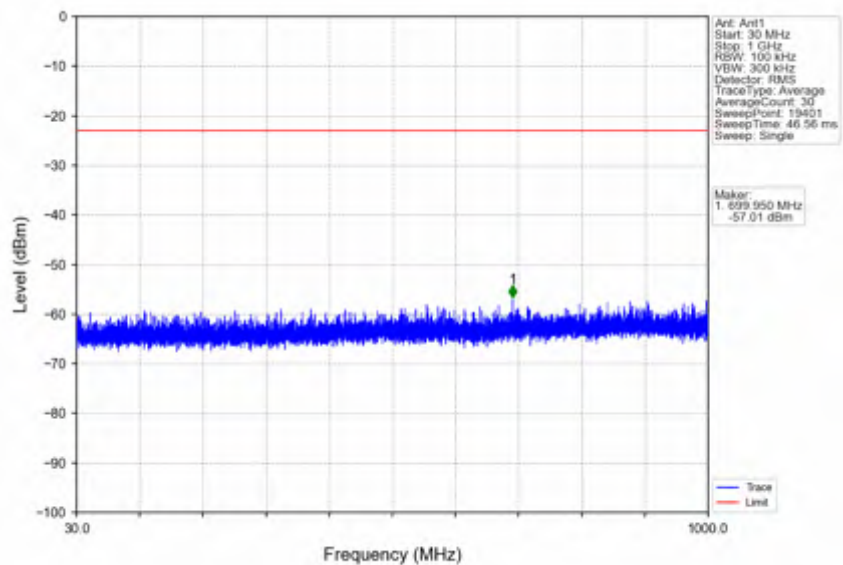
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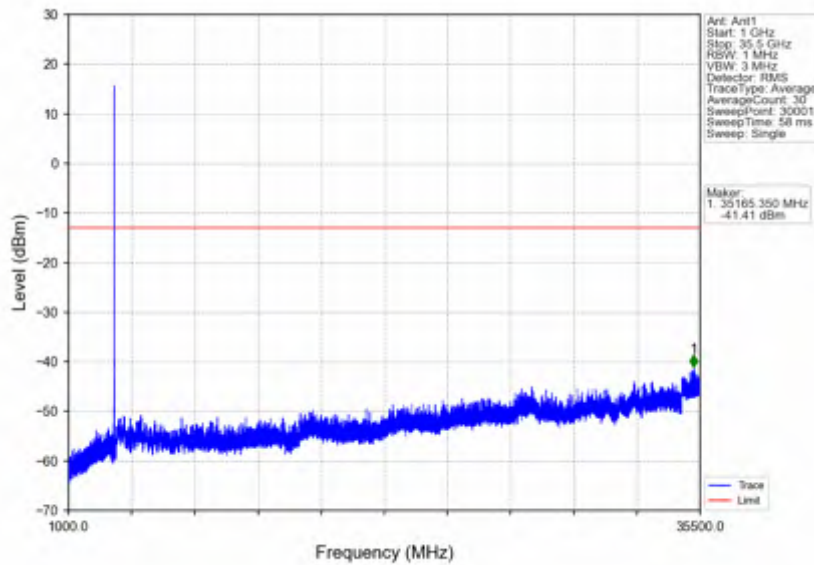
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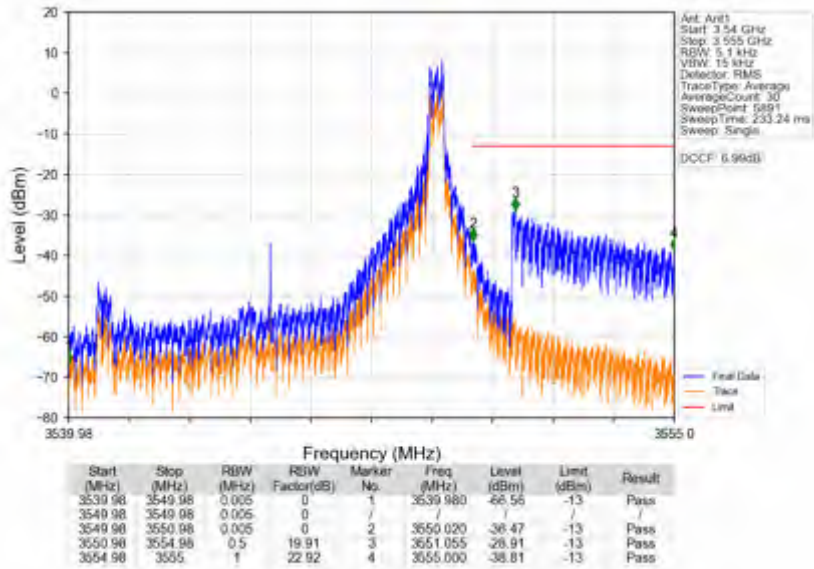
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3500.01MHz\_Edge\_1RB\_Left



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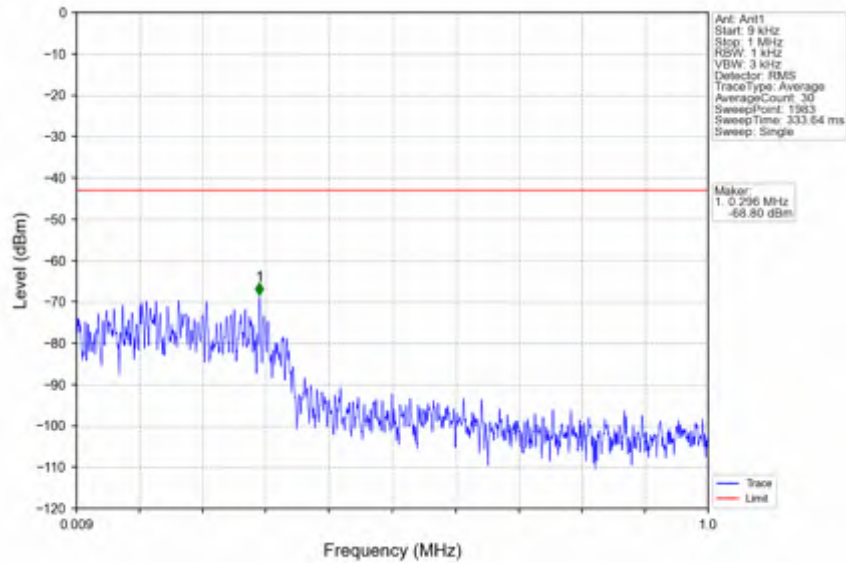
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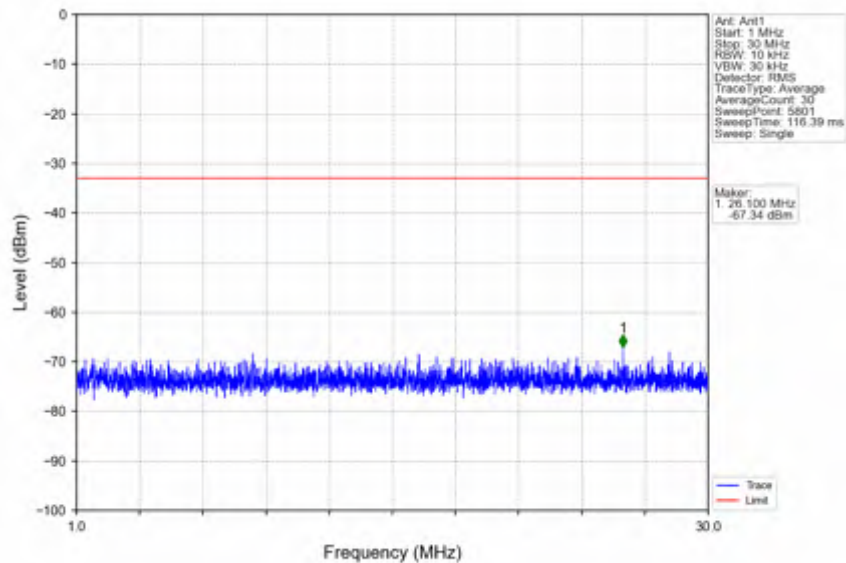
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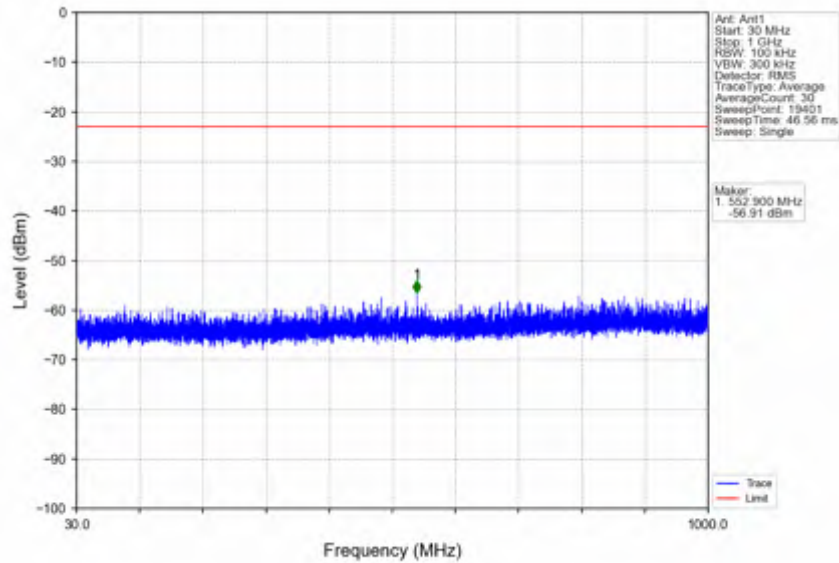
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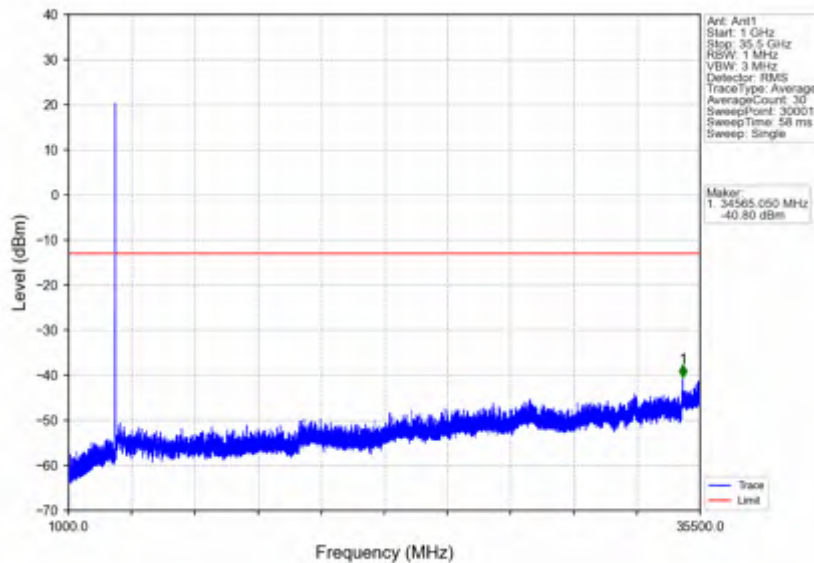
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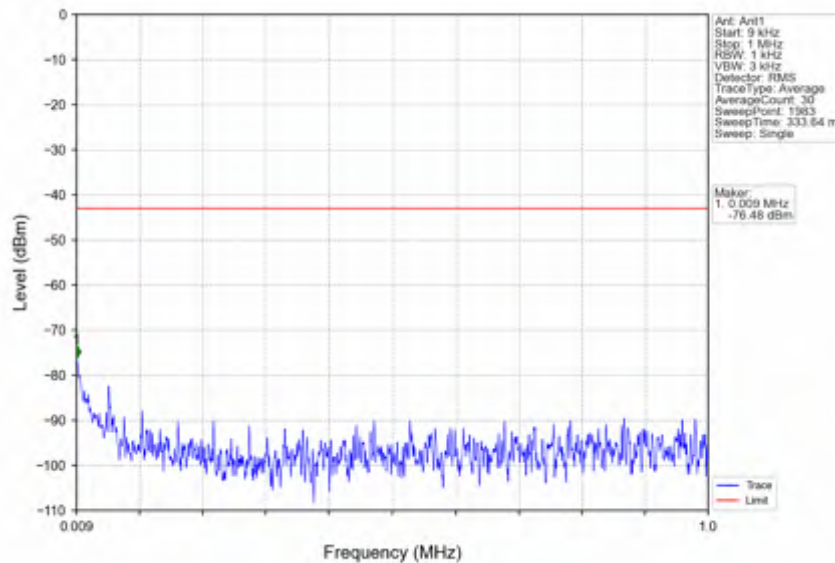
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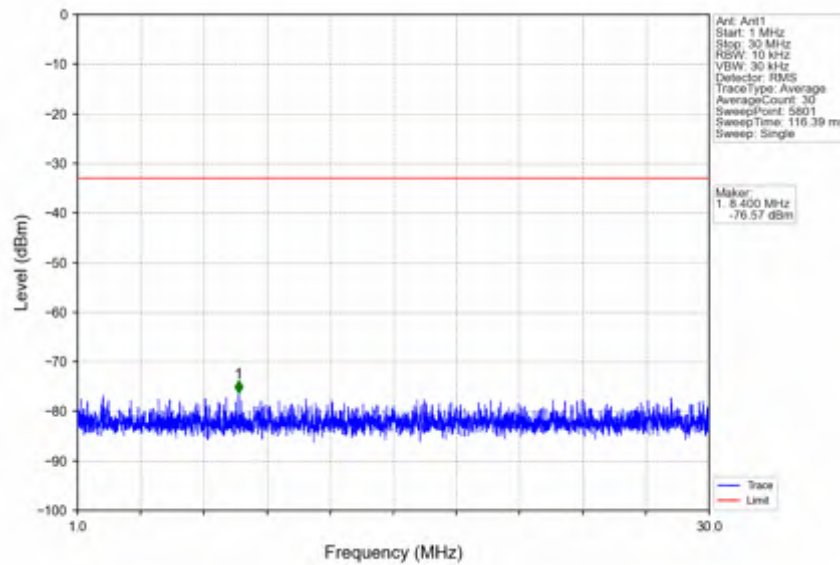
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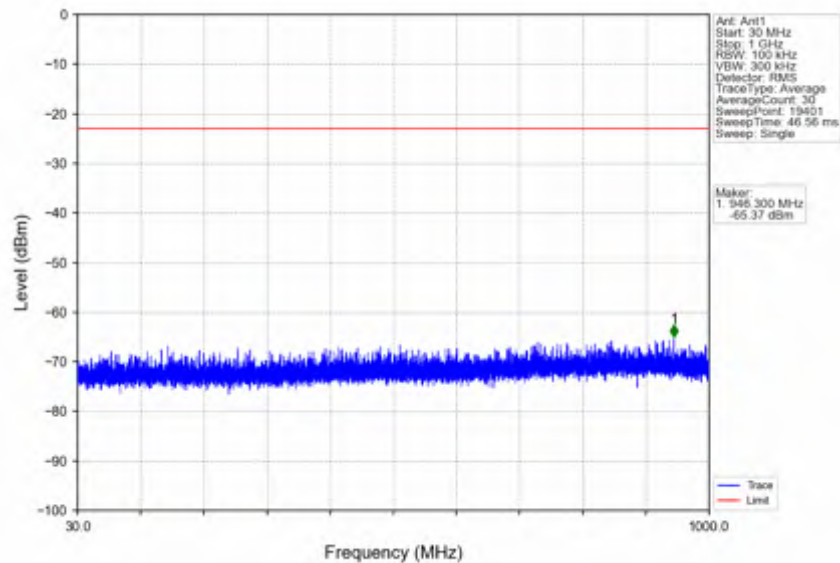
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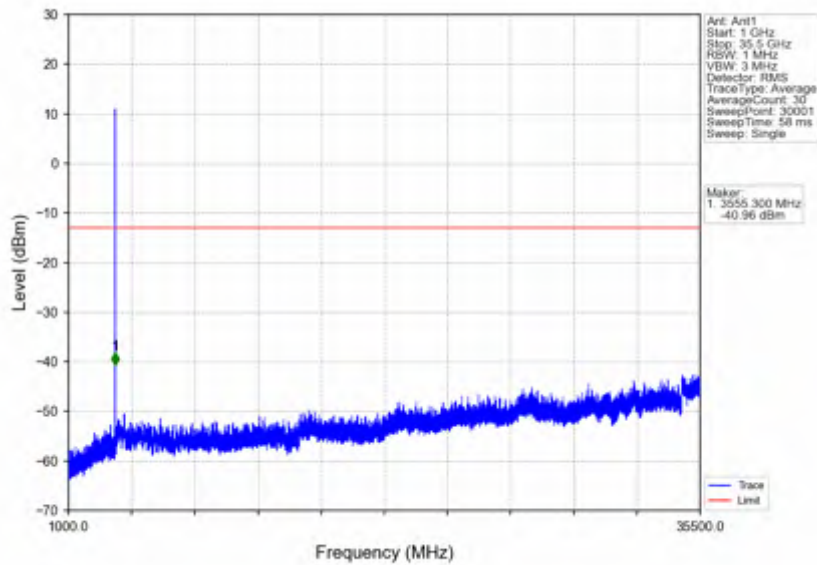
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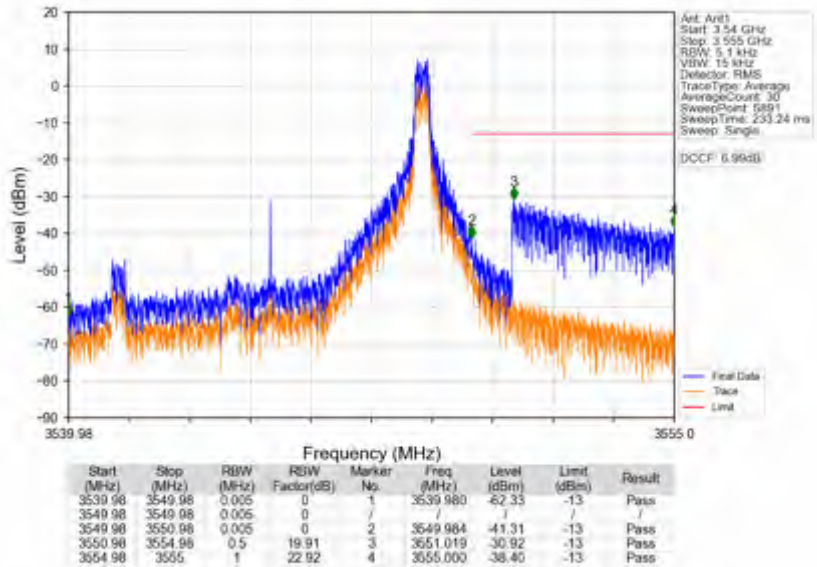
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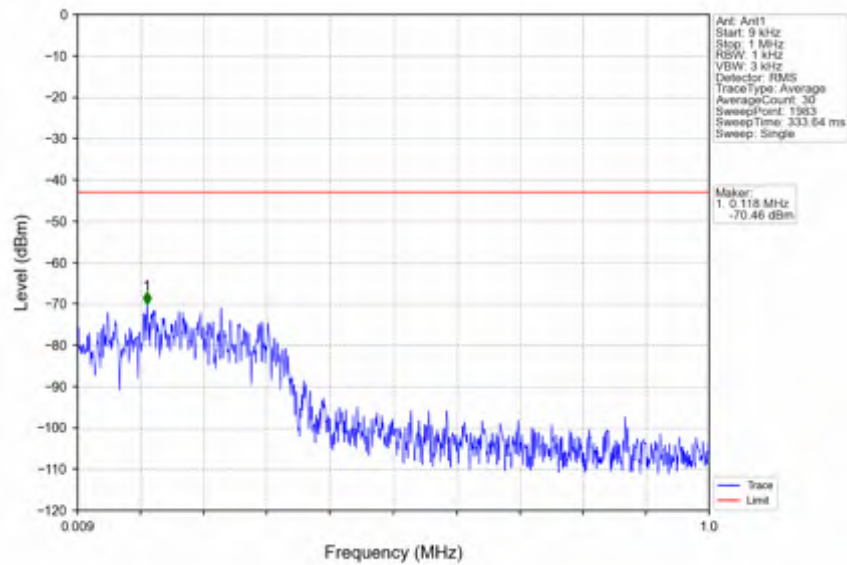


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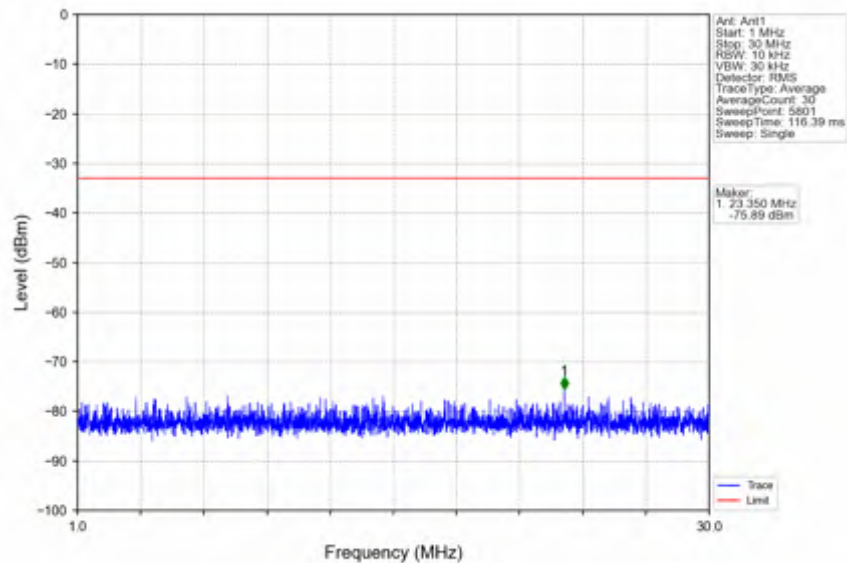
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3544.98MHz\_Inner\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3544.98MHz\_Inner\_1RB\_Right



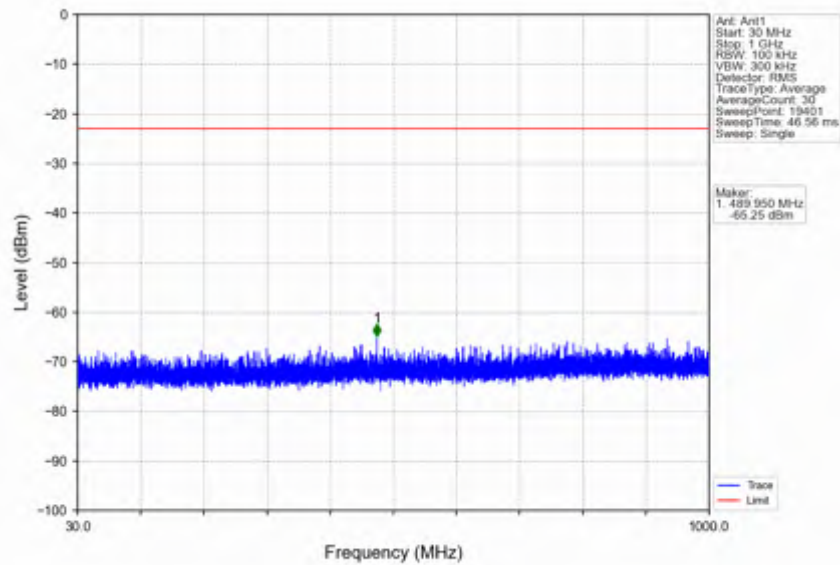
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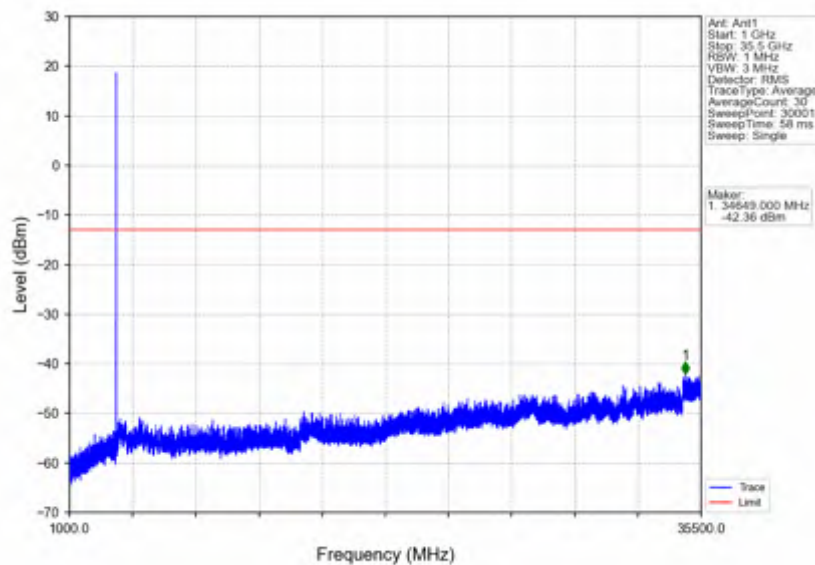
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3544.98MHz\_Inner\_1RB\_Right



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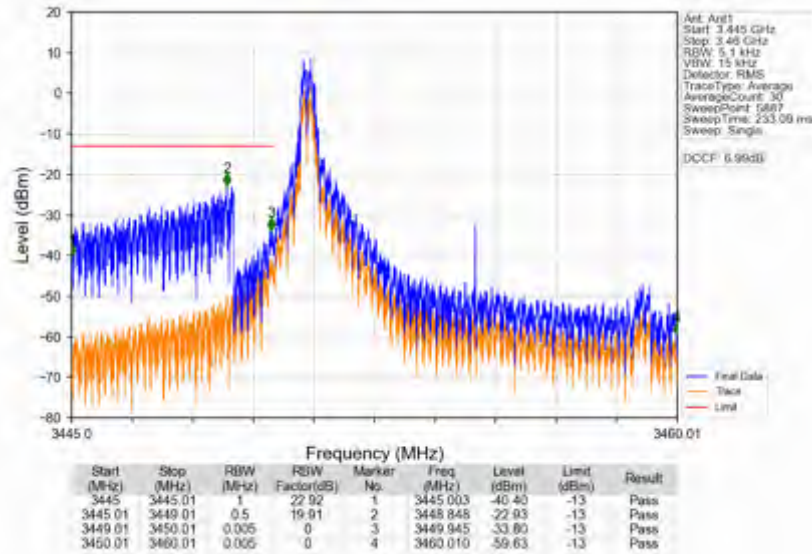
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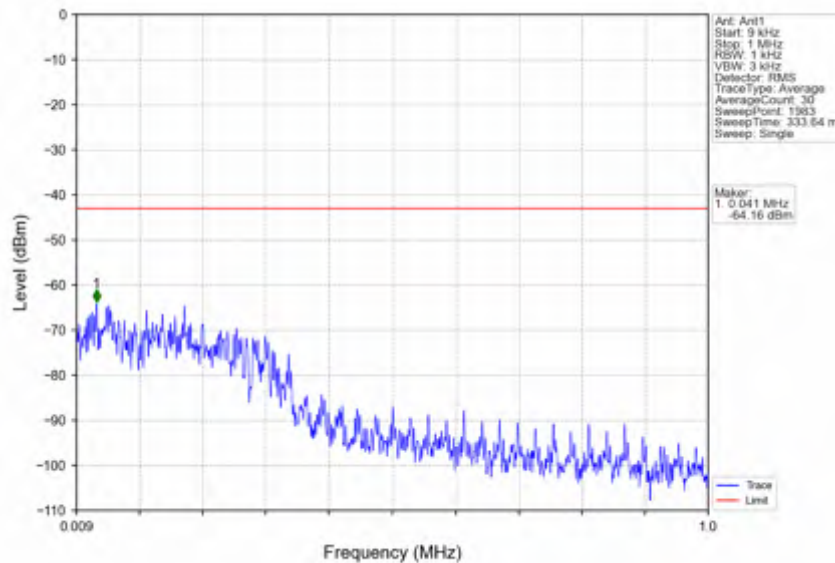
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n78e\_30kHz\_SISO\_NTV\_10MHz\_CP-OFDM QPSK\_3455.01MHz\_Edge\_1RB\_Left



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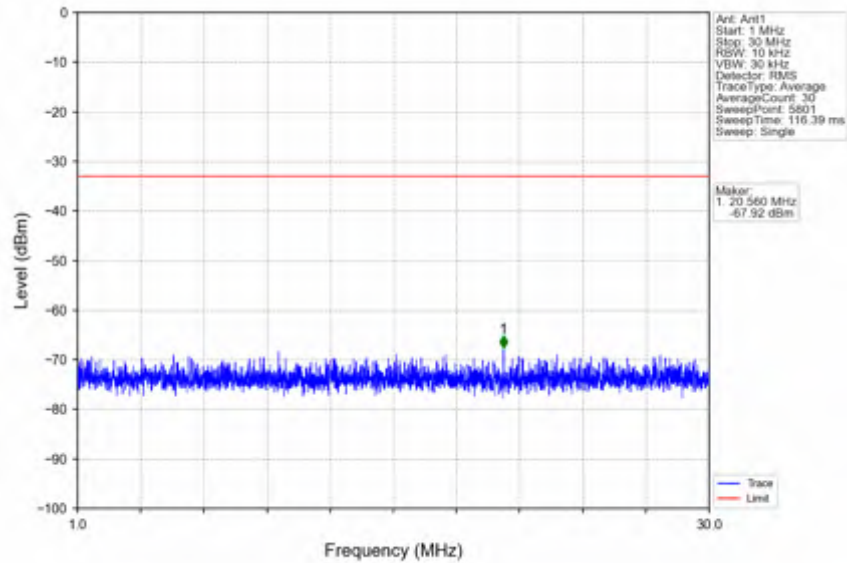


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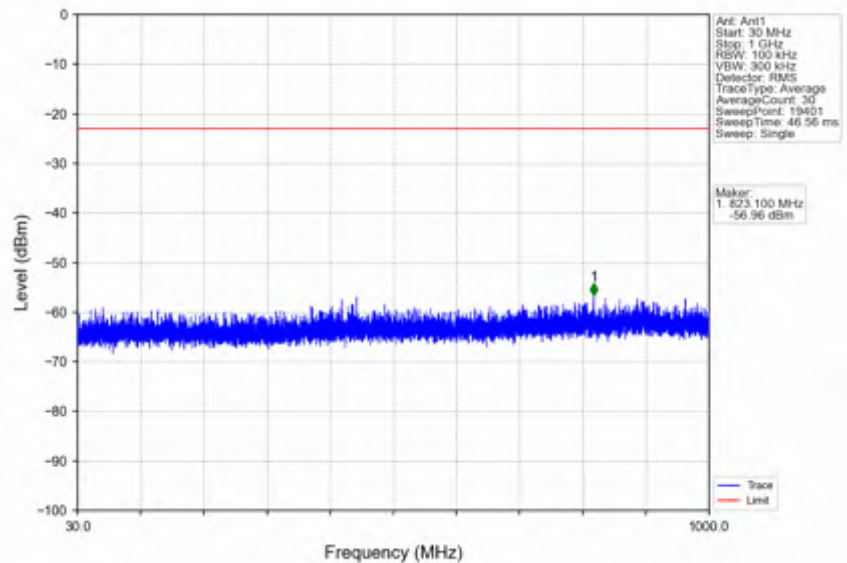
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n78e\_30kHz\_SISO\_NTVV\_10MHz\_CP-OFDM QPSK\_3455.01MHz\_Edge\_1RB\_Left



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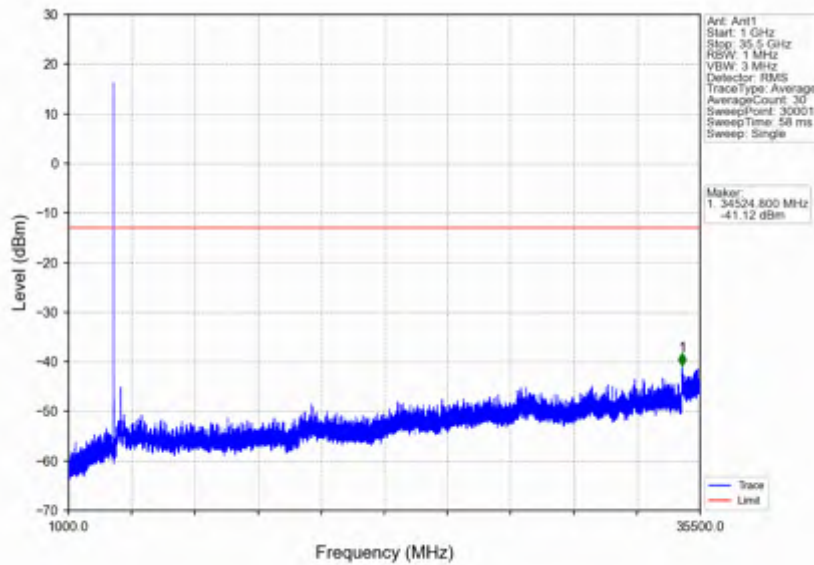
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3455.01MHz\_Outer\_Full



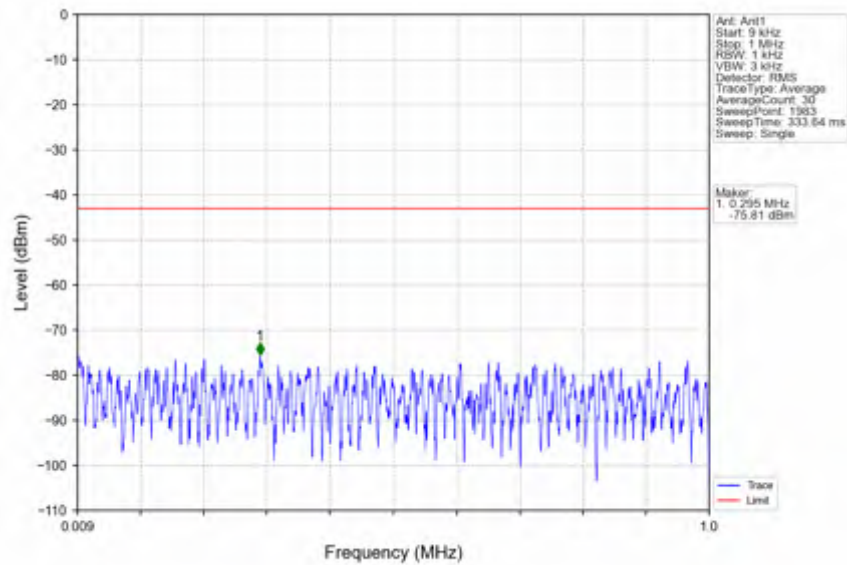
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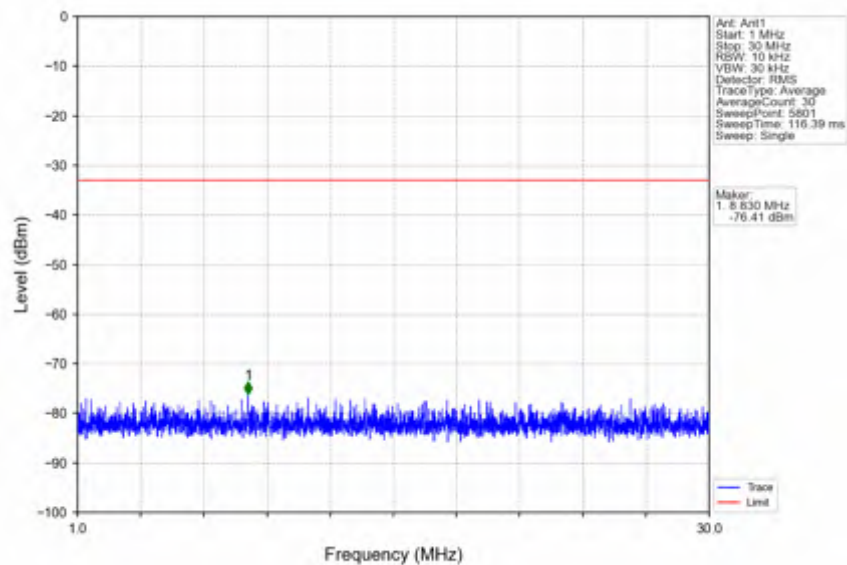
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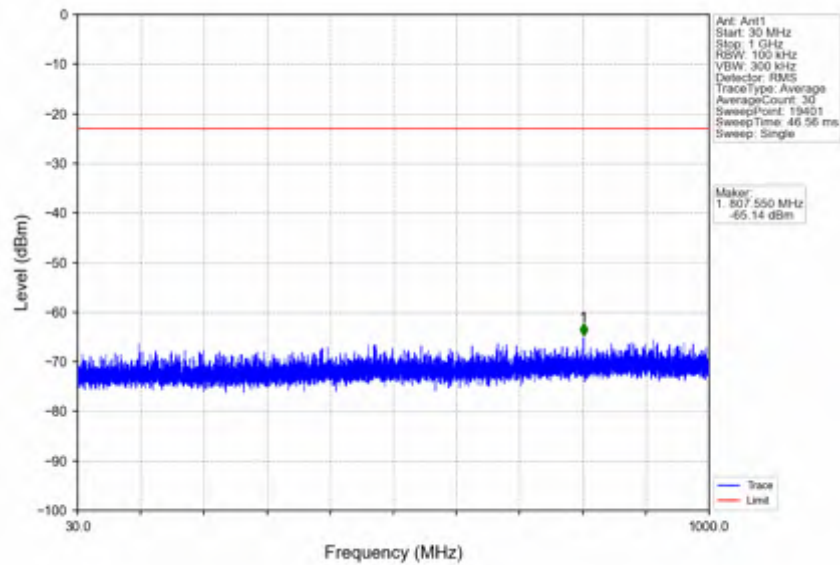
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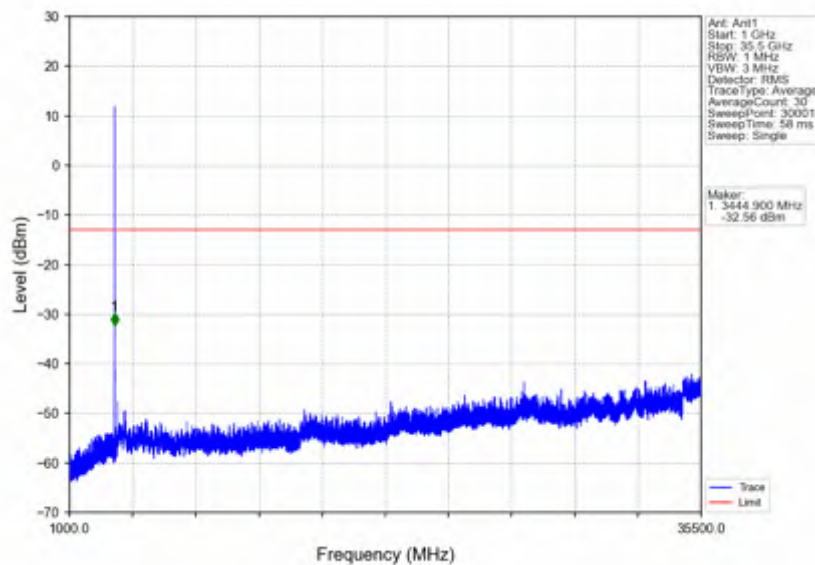
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3455.01MHz\_Outer\_Full



n78e\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3455.01MHz\_Outer\_Full



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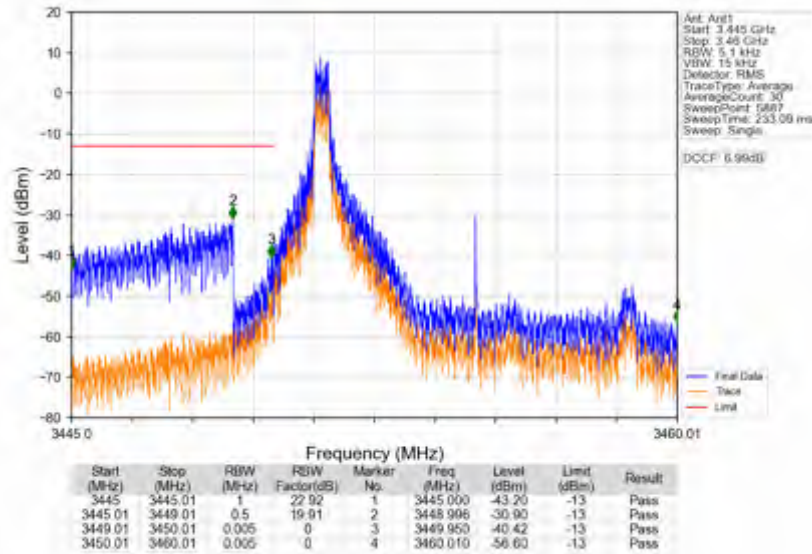
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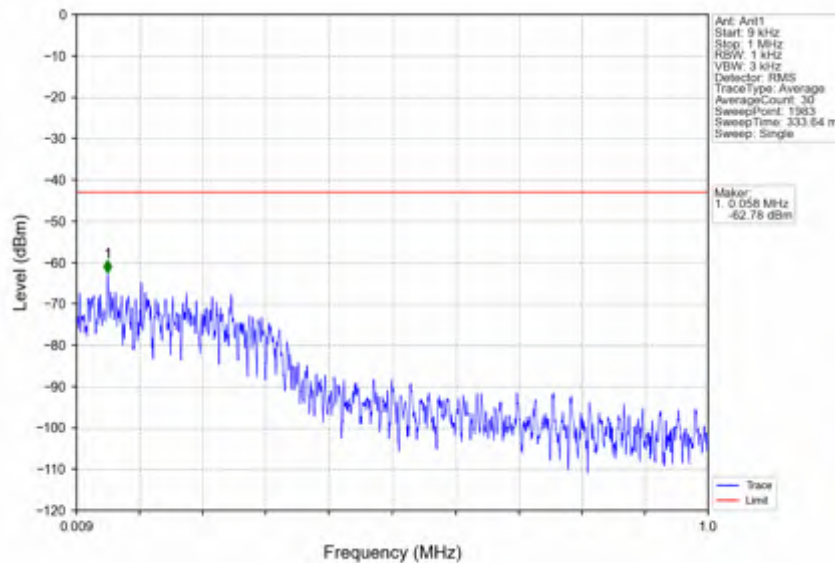
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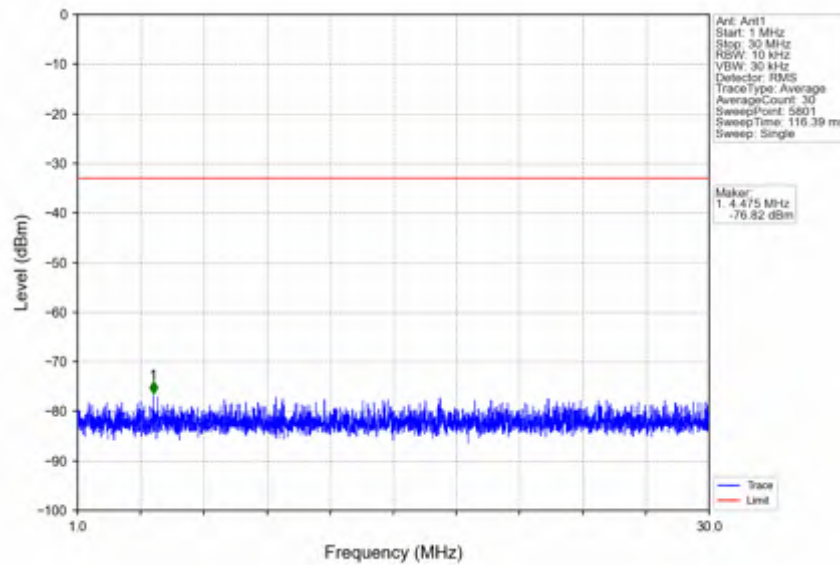


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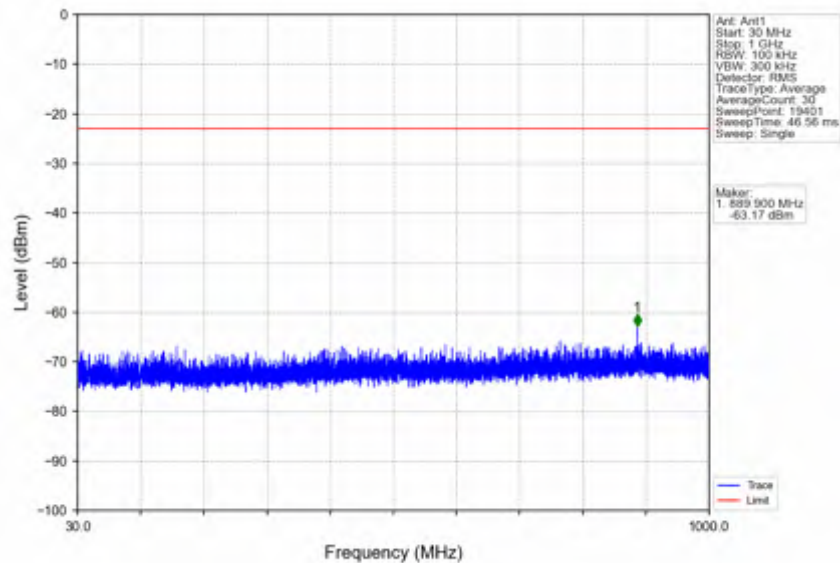
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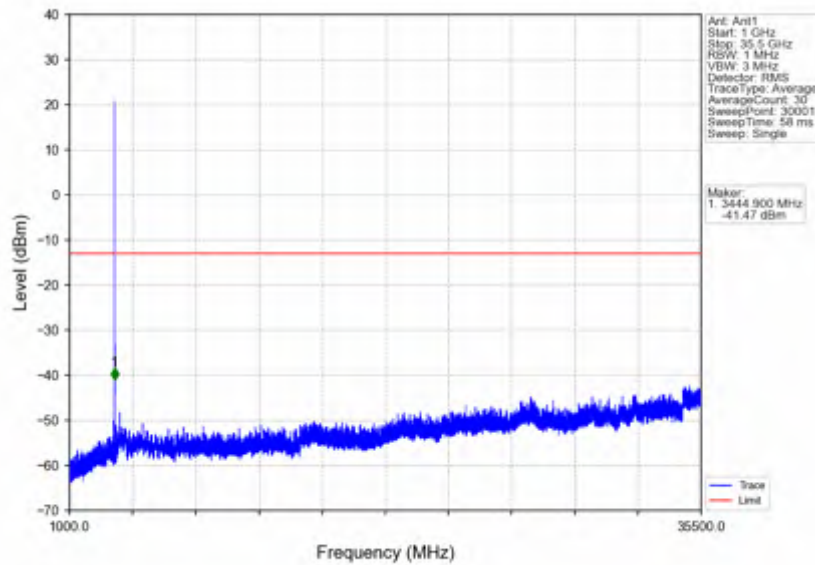
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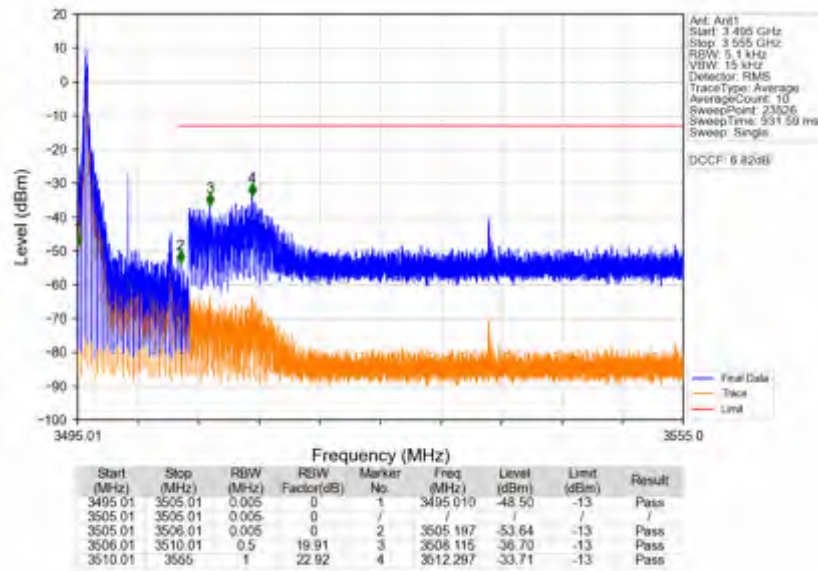
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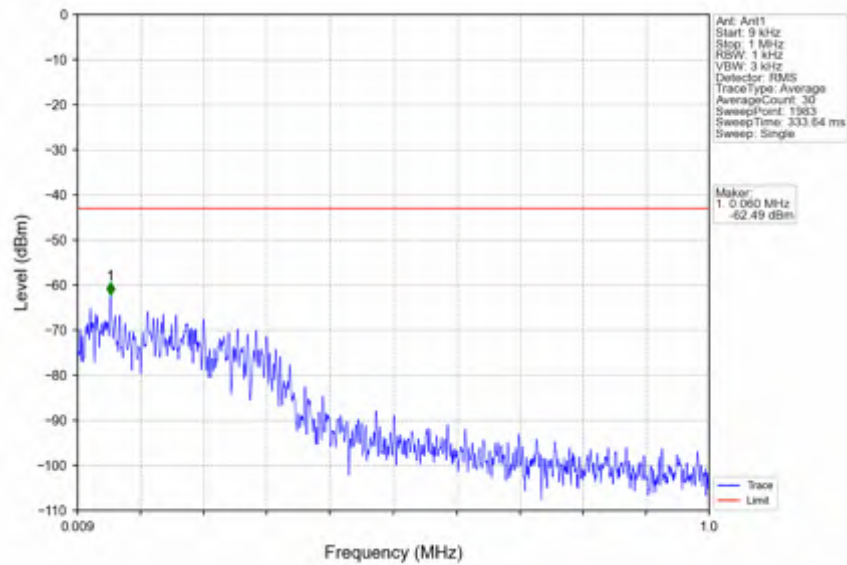
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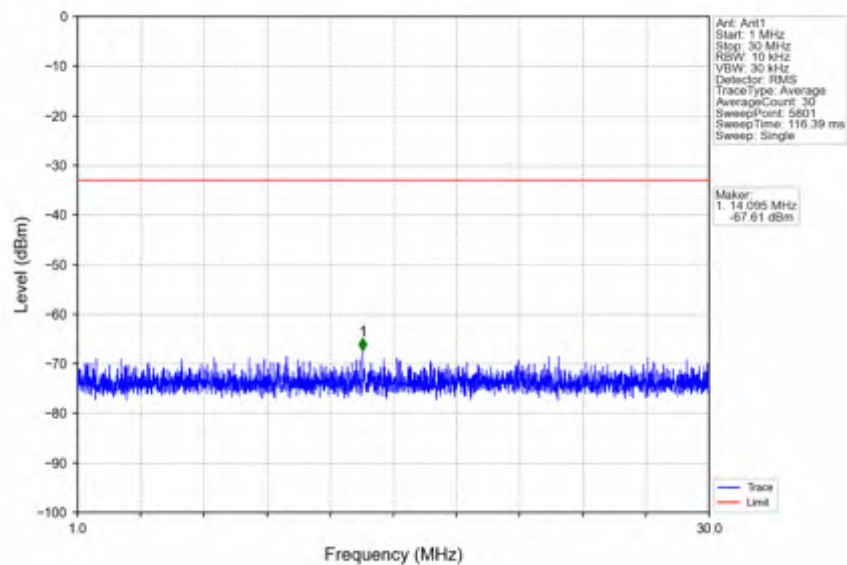
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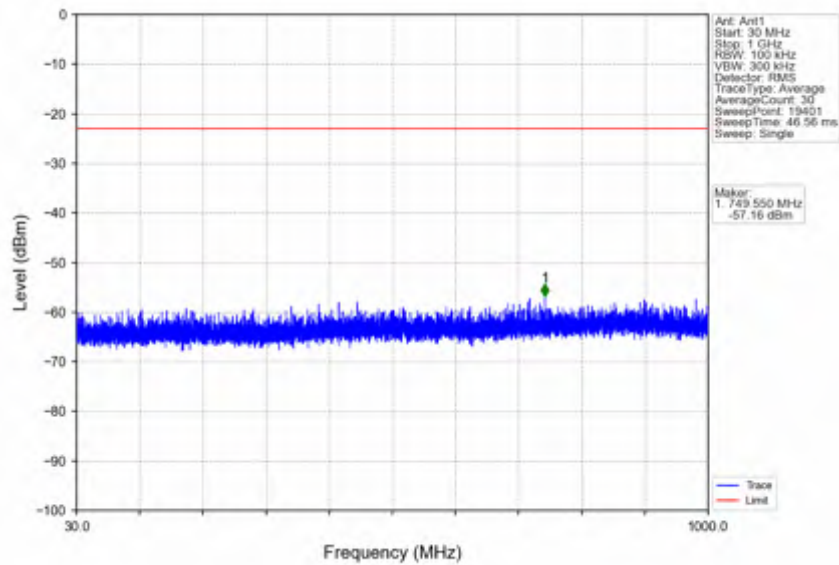
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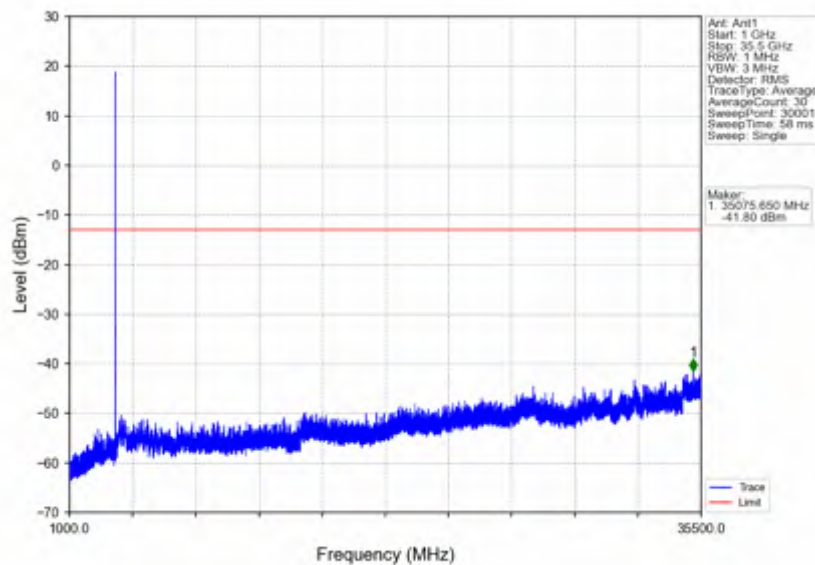
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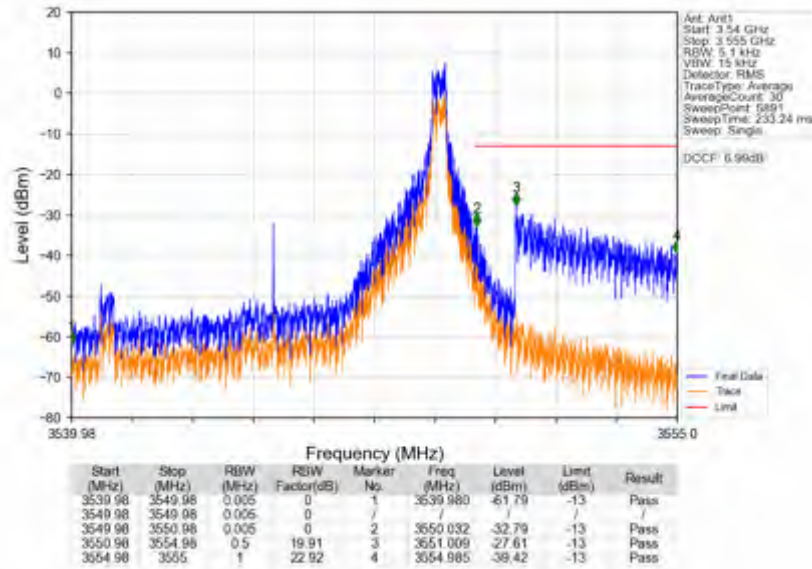
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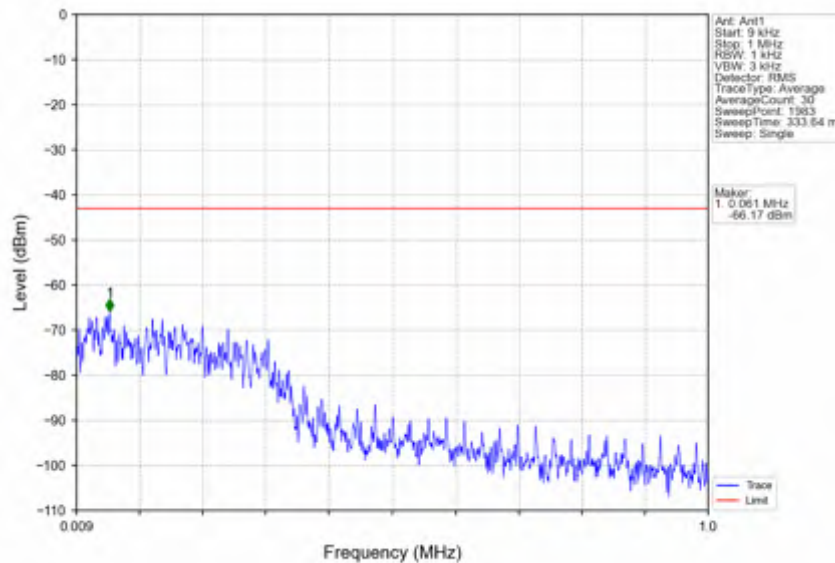
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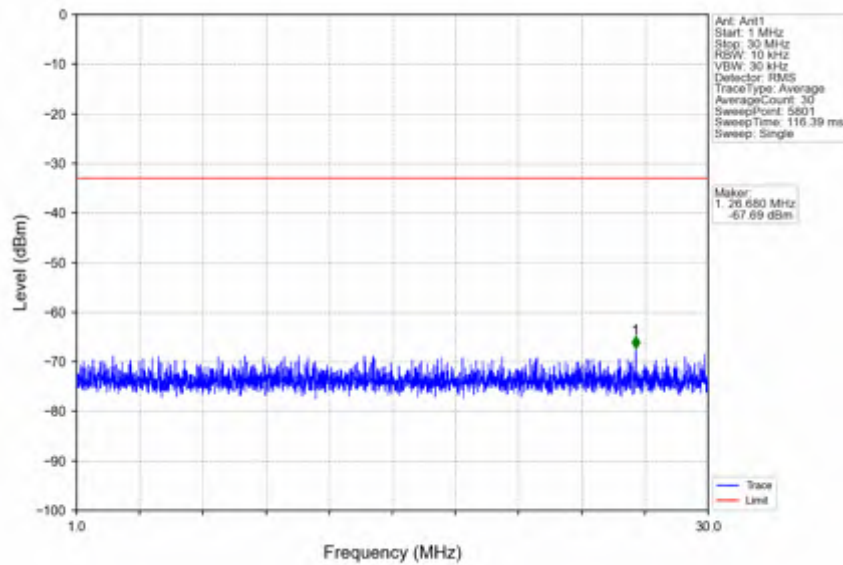


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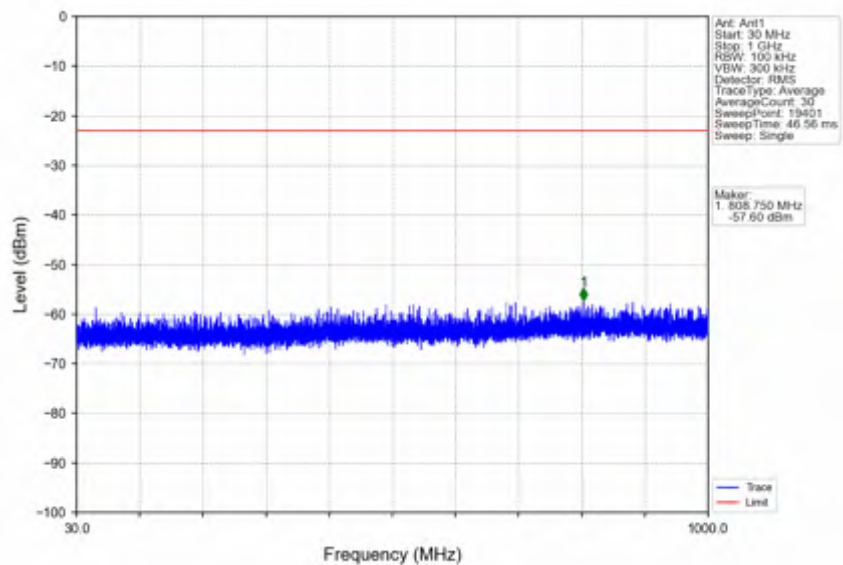
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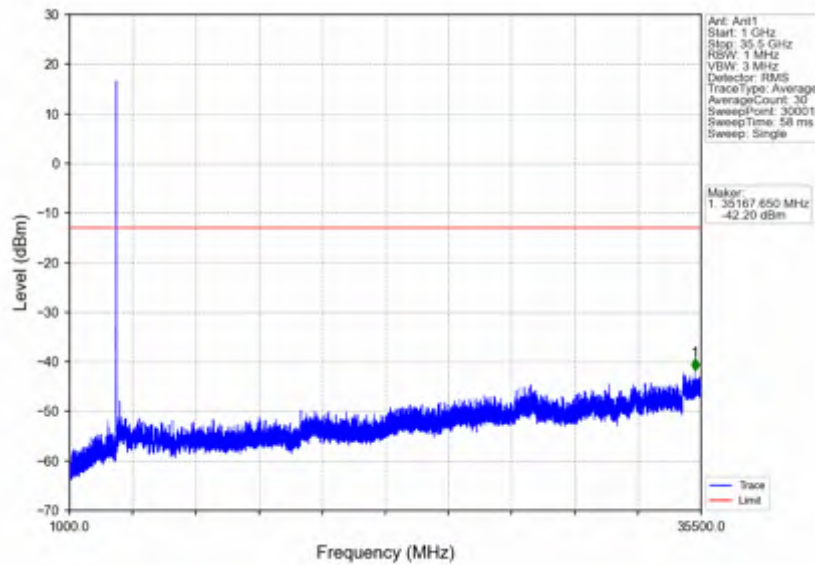
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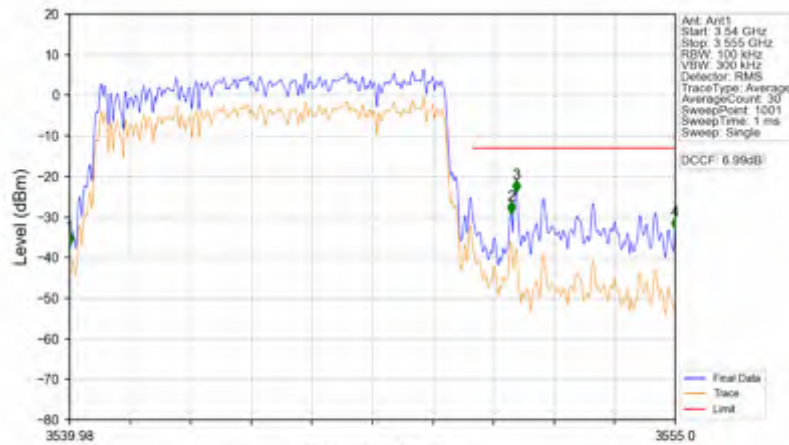
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3544.98MHz\_Outer\_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3539.98	3549.98	0.1	0	1	3539.980	-36.72	-13	Pass
3549.98	3549.98	0.1	0	2	3550.030	-29.21	-13	Pass
3550.98	3554.98	0.5	6.99	3	3551.050	-23.98	-13	Pass
3554.98	3554.98	1	10	4	3555.000	-33.05	-13	Pass



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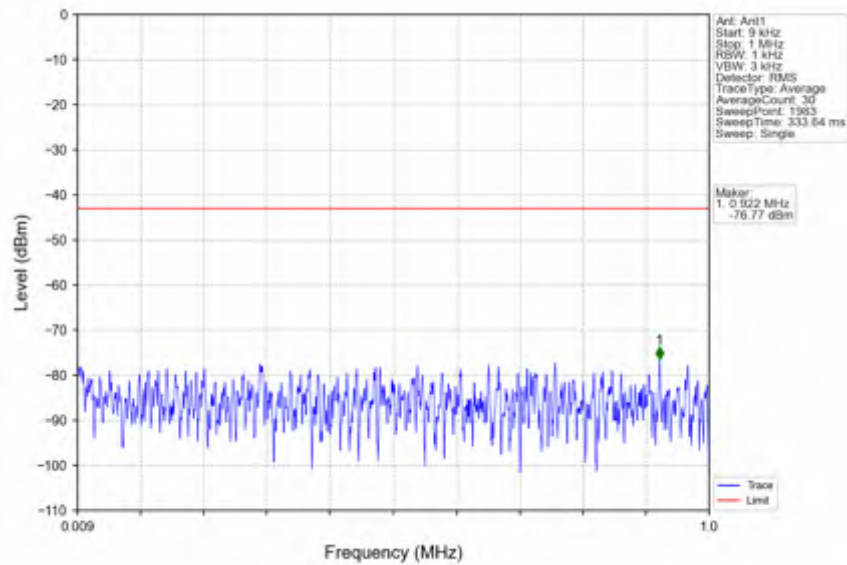
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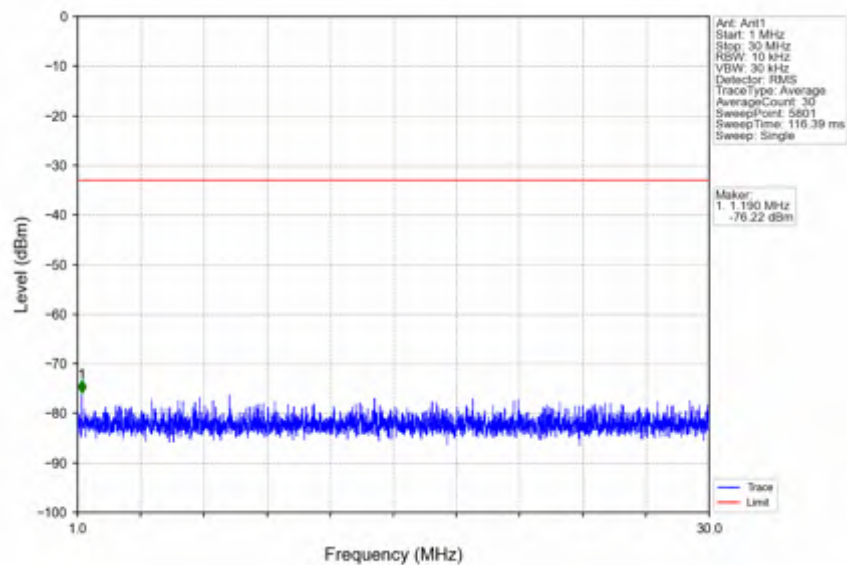
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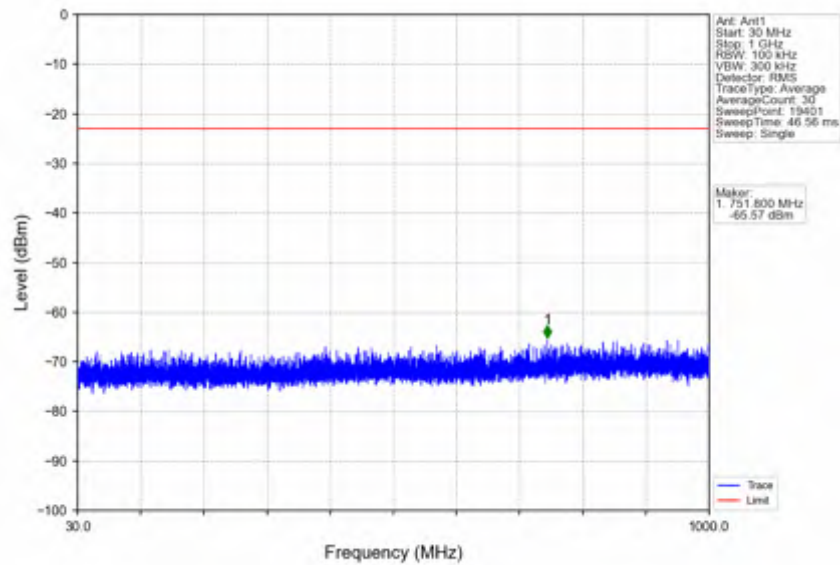


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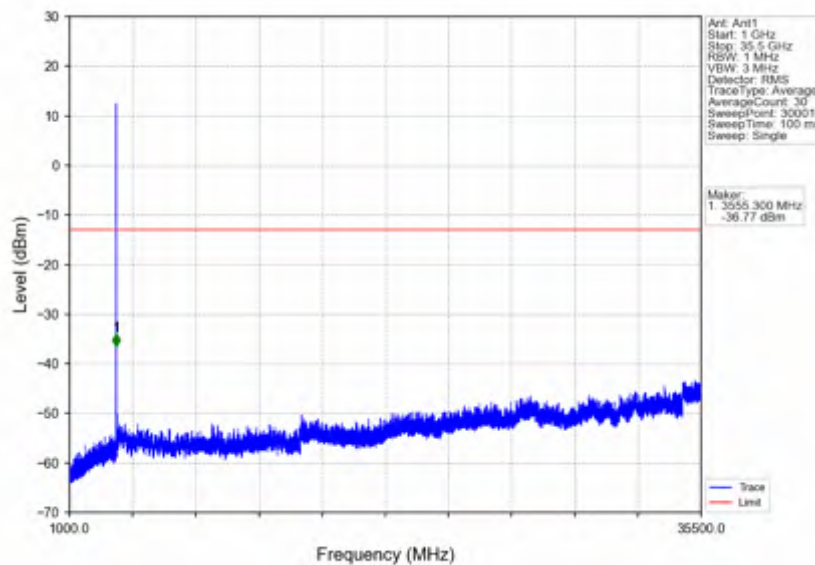
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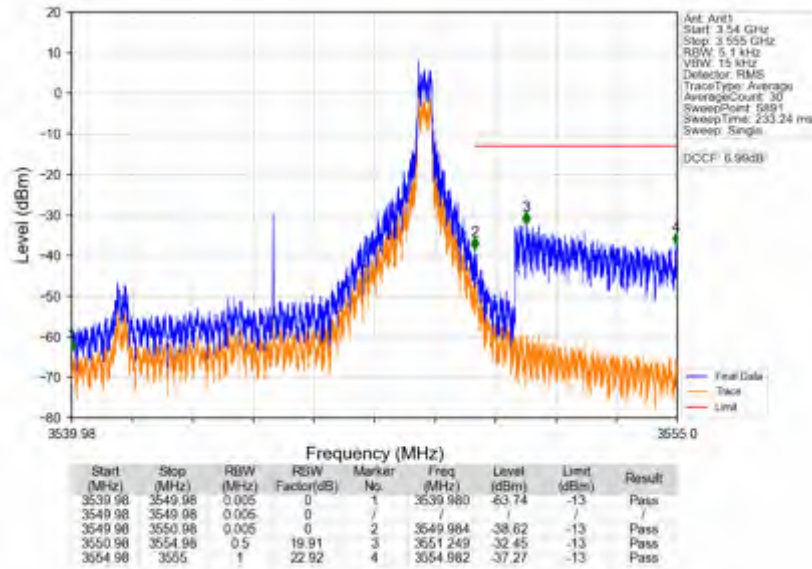
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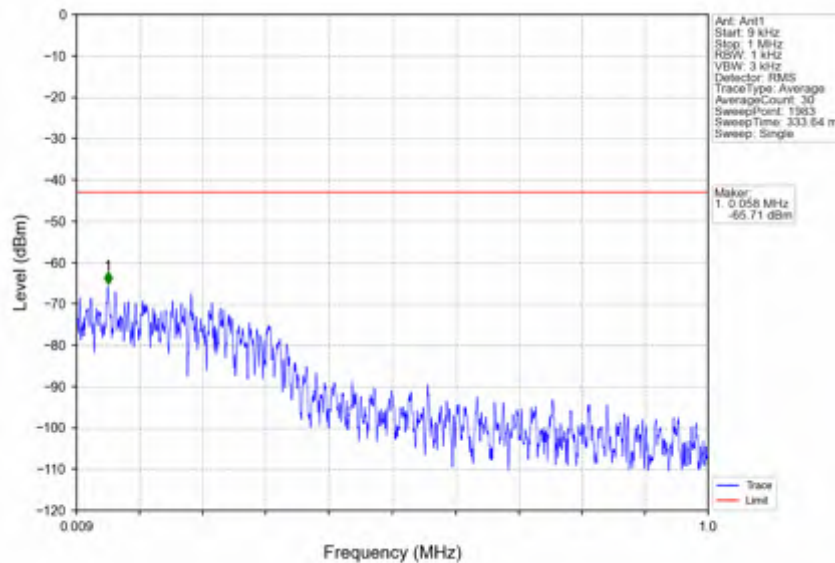
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n78e\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3544.98MHz\_Inner\_1RB\_Right

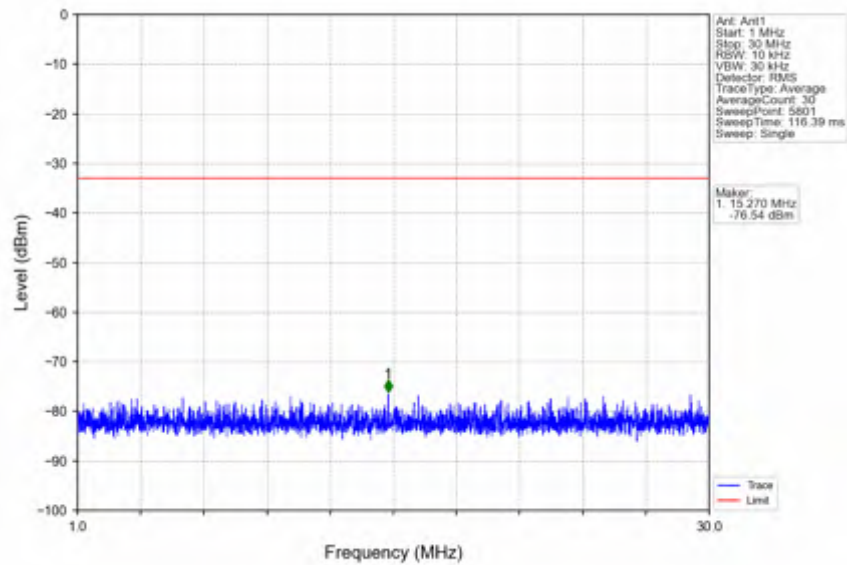


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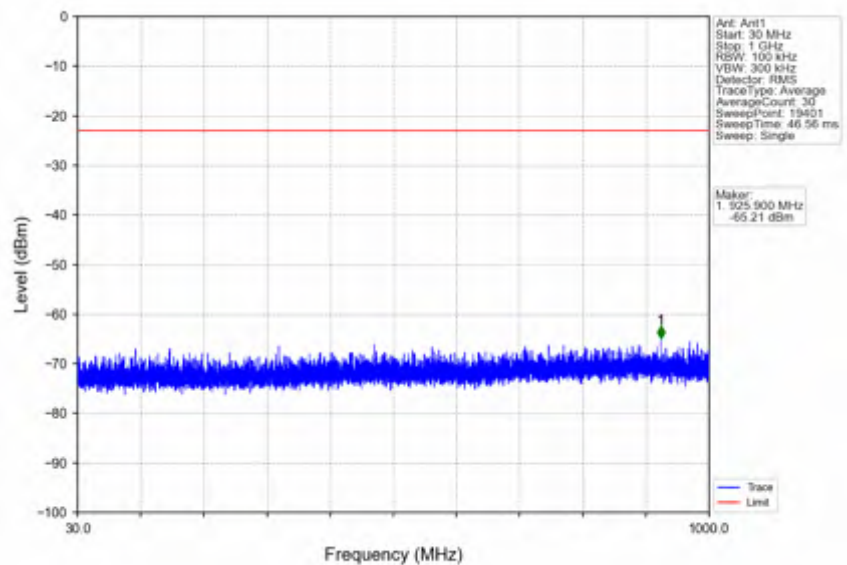
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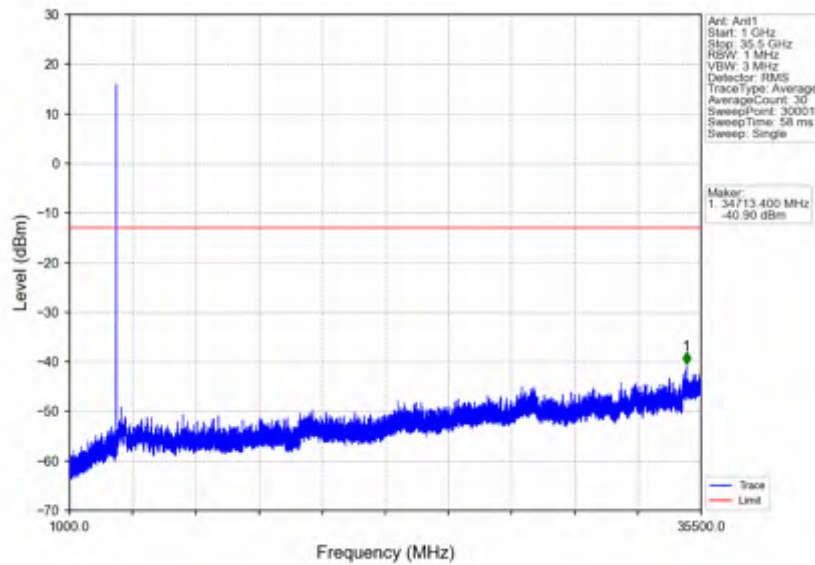
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## 9.9 30k\_SISO\_15MHz\_NTNV

### 9.9.1 Test Result

5G NR n78e SCS=30kHz SISO 15MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	
DFT-s-OFDM PI/2 BPSK	3457.5	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
3542.49	Inner_1RB_Right	Refer To Test Graph			Pass	
	Edge_1RB_Left	Refer To Test Graph			Pass	
	Outer_Full	Refer To Test Graph			Pass	
DFT-s-OFDM QPSK	3457.5	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
3542.49	Inner_1RB_Right	Refer To Test Graph			Pass	
	Edge_1RB_Left	Refer To Test Graph			Pass	
	Outer_Full	Refer To Test Graph			Pass	
CP-OFDM QPSK	3457.5	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
3542.49	Inner_1RB_Right	Refer To Test Graph			Pass	
	Edge_1RB_Left	Refer To Test Graph			Pass	
	Outer_Full	Refer To Test Graph			Pass	



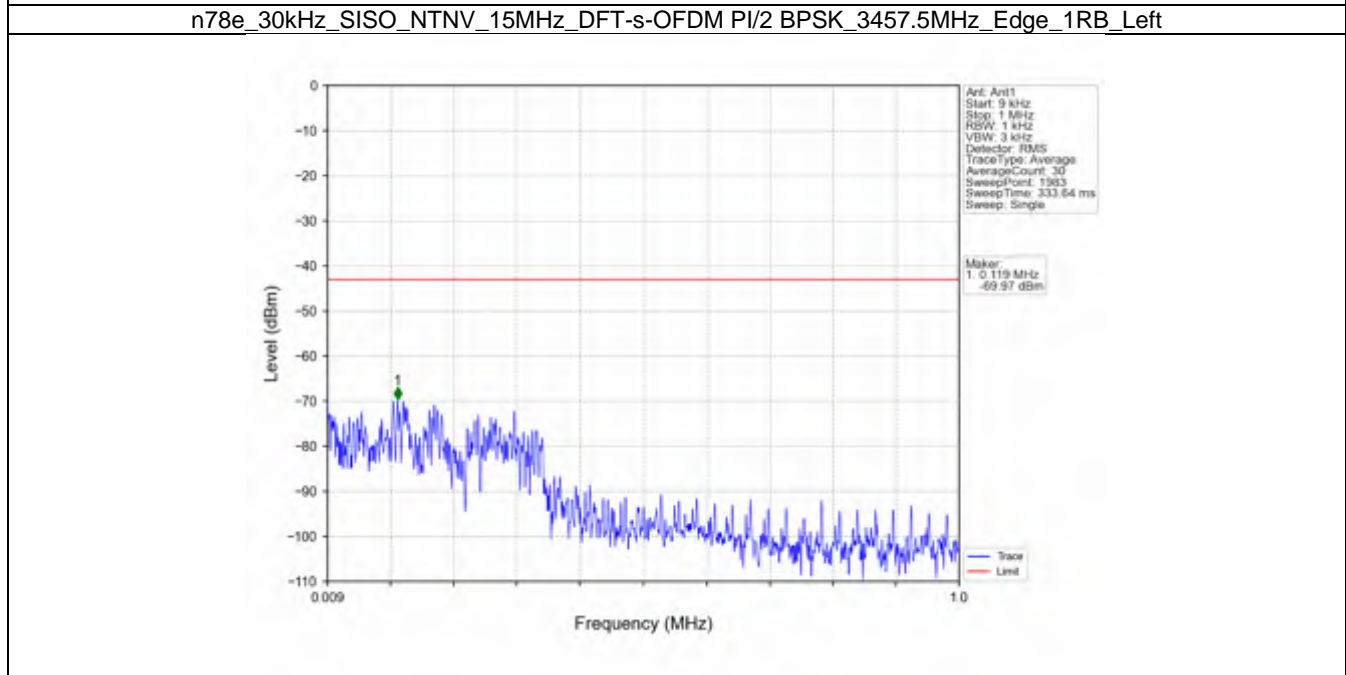
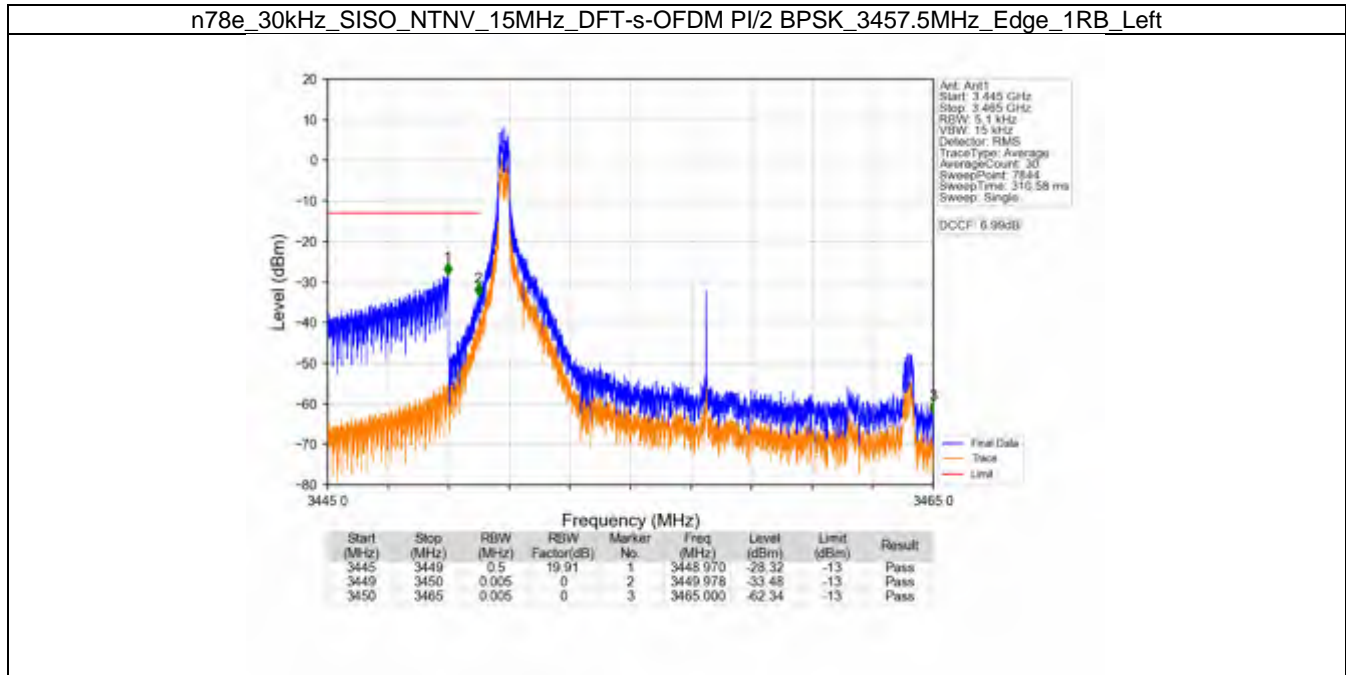
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## 9.9.2 Test Graph



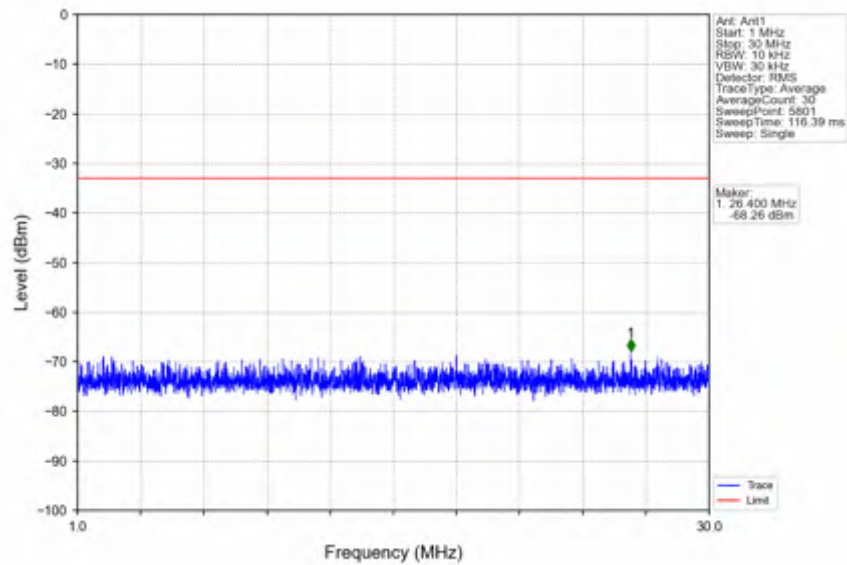
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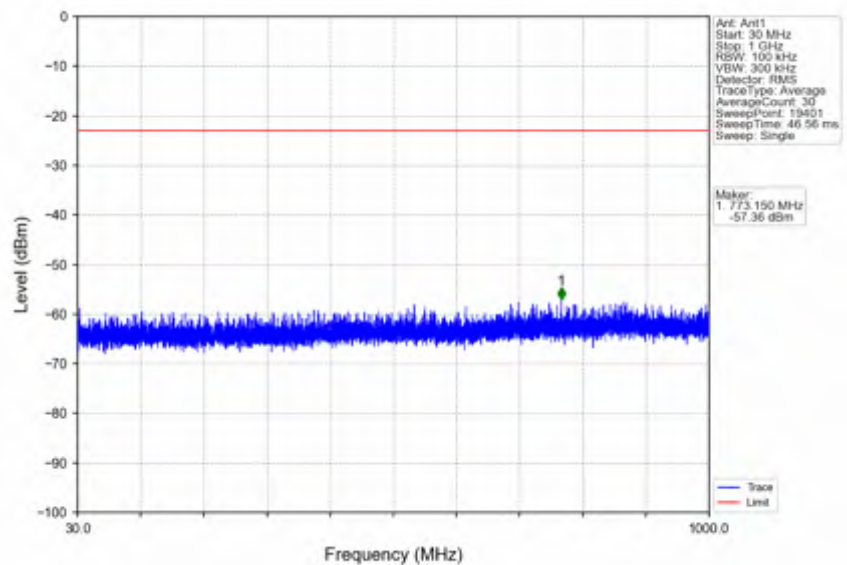
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3457.5MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3457.5MHz\_Edge\_1RB\_Left



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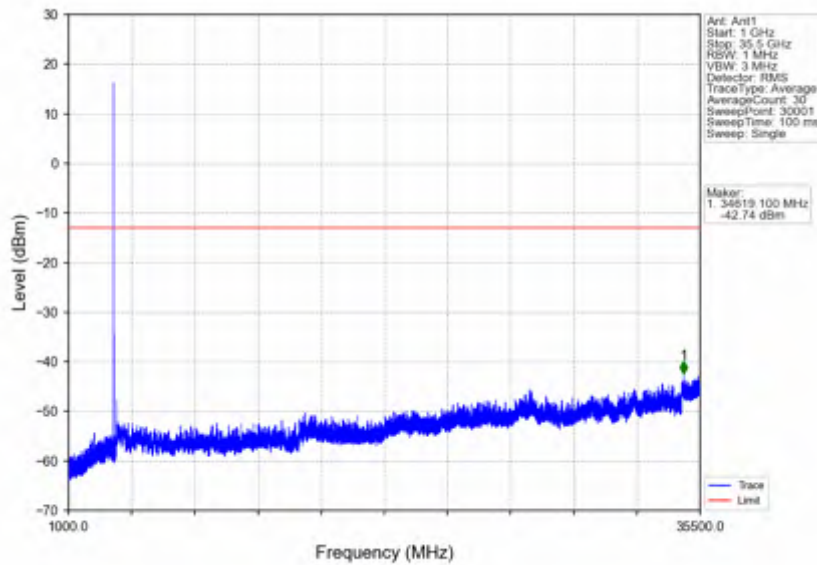
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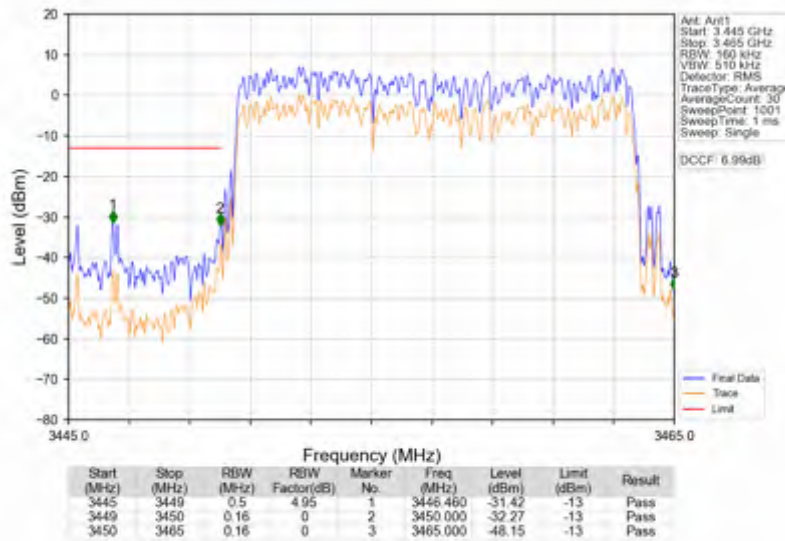
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3457.5MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3457.5MHz\_Outer\_Full



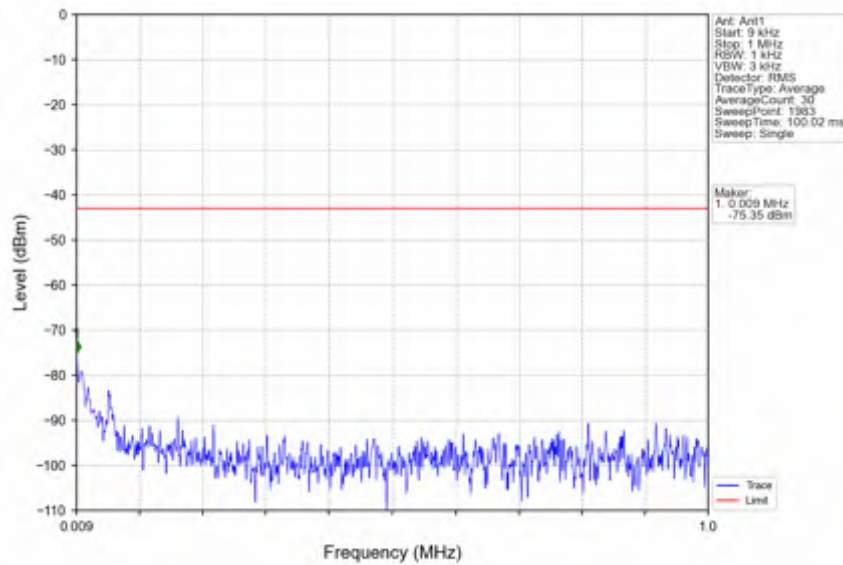
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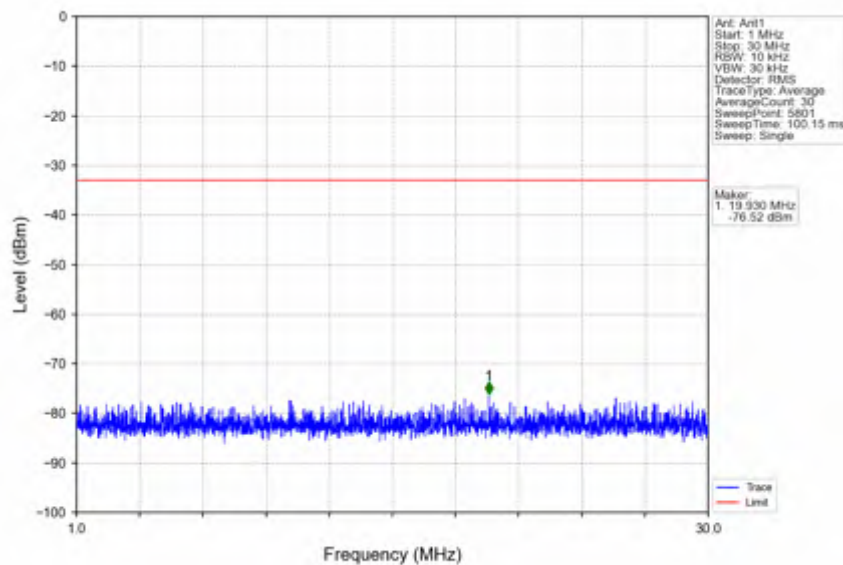
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3457.5MHz\_Outer\_Full



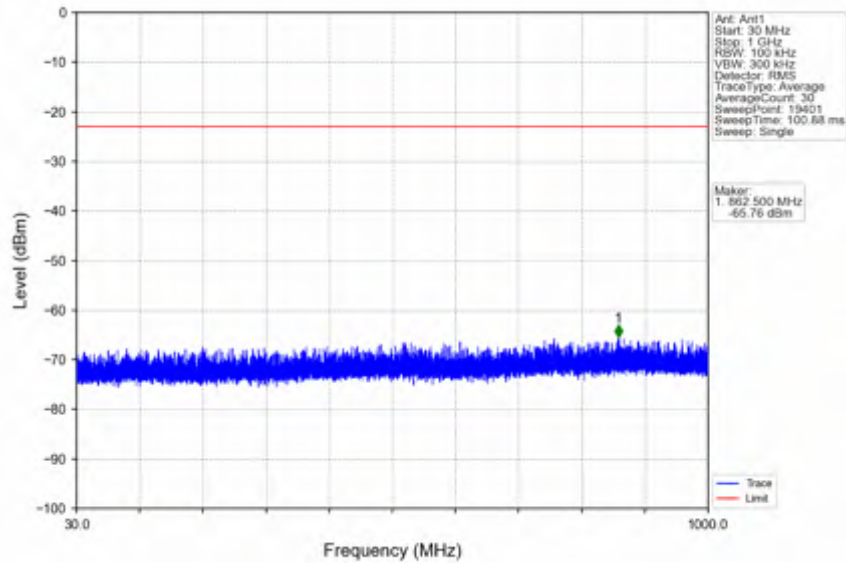
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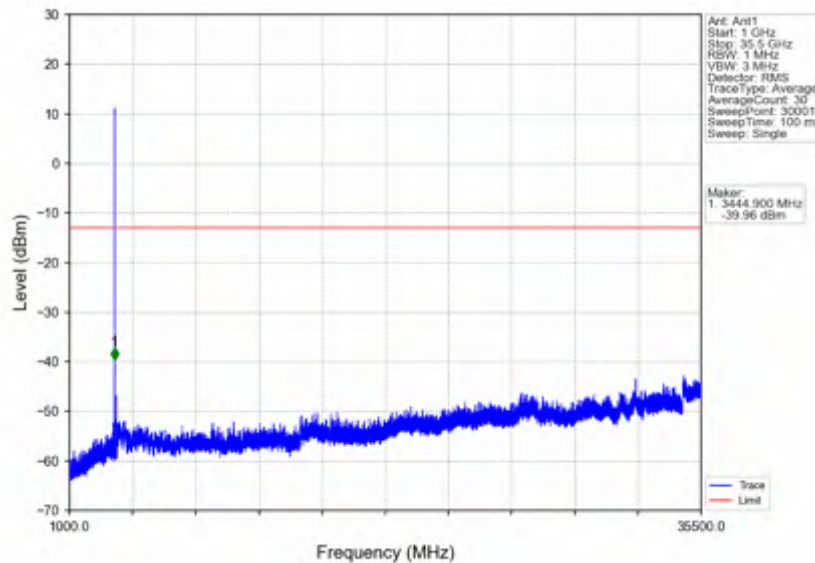
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3457.5MHz\_Outer\_Full



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3457.5MHz\_Outer\_Full



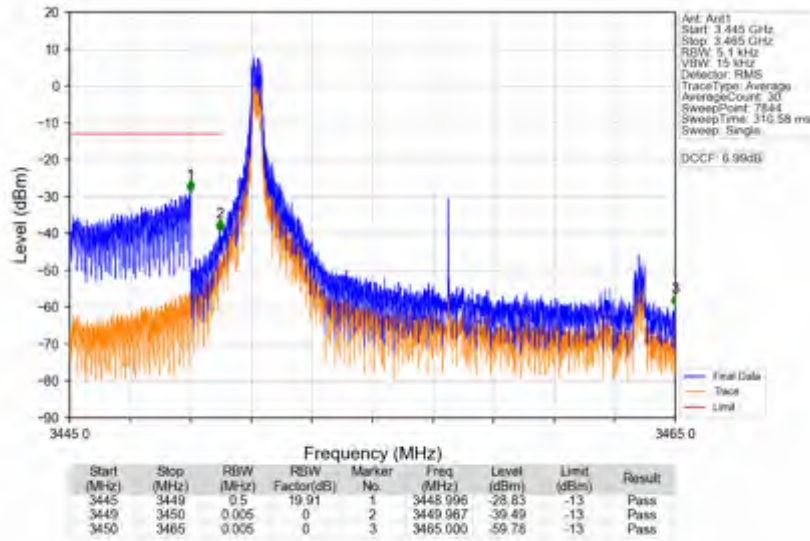
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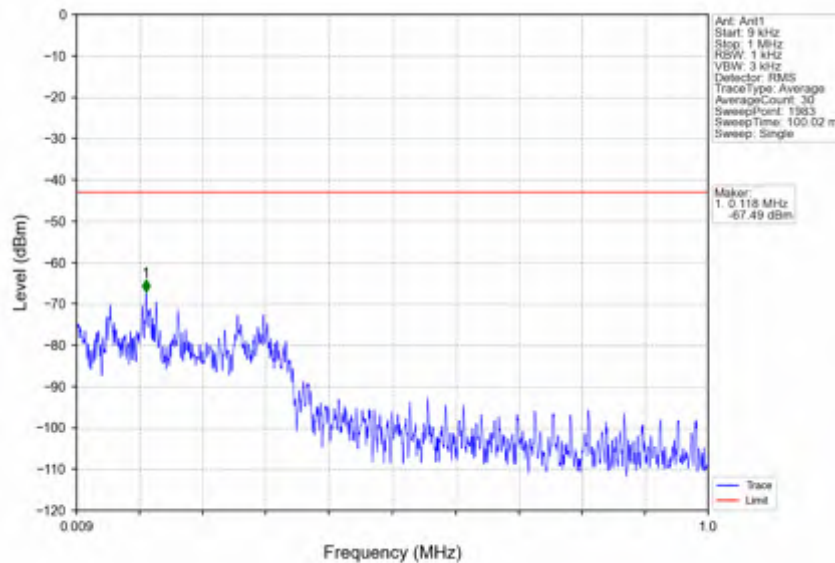
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_PI/2\_BPSK\_3457.5MHz\_Inner\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_PI/2\_BPSK\_3457.5MHz\_Inner\_1RB\_Left



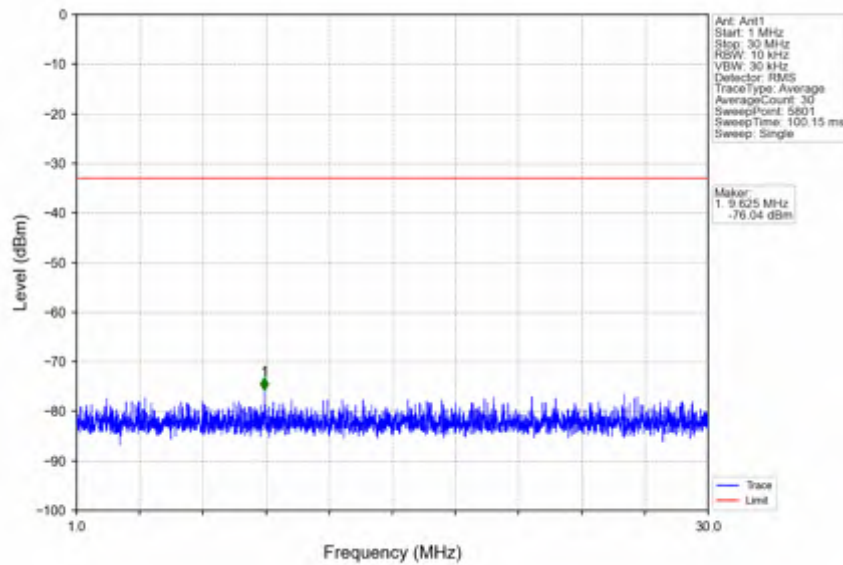
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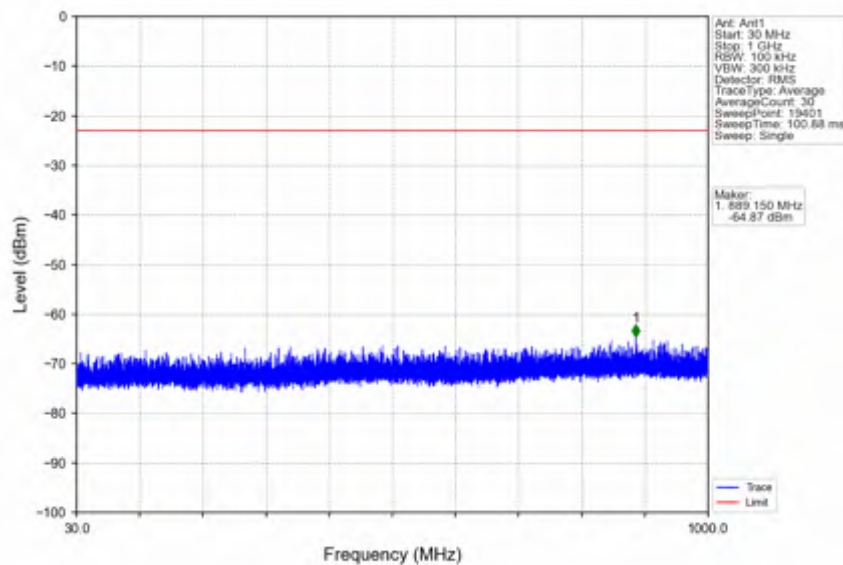
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_PI/2\_BPSK\_3457.5MHz\_Inner\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_PI/2\_BPSK\_3457.5MHz\_Inner\_1RB\_Left



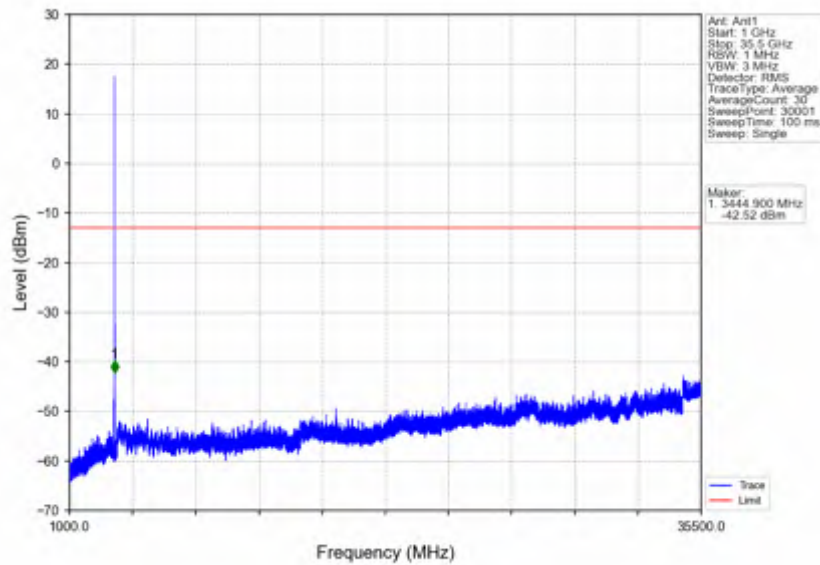
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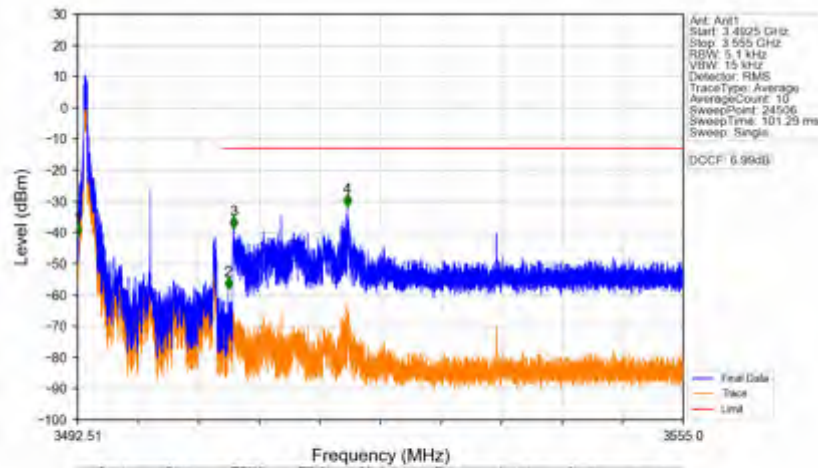
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3457.5MHz\_Inner\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3500.01MHz\_Edge\_1RB\_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3492.51	3507.51	0.005	0	1	3492.510	-41.01	-13	Pass
3507.51	3507.51	0.005	0	2	3508.060	-58.38	-13	Pass
3507.51	3508.51	0.005	0	3	3508.609	-38.81	-13	Pass
3508.51	3512.51	0.5	19.91	3	3508.609	-38.81	-13	Pass
3512.51	3555	1	22.92	4	3520.342	-31.68	-13	Pass



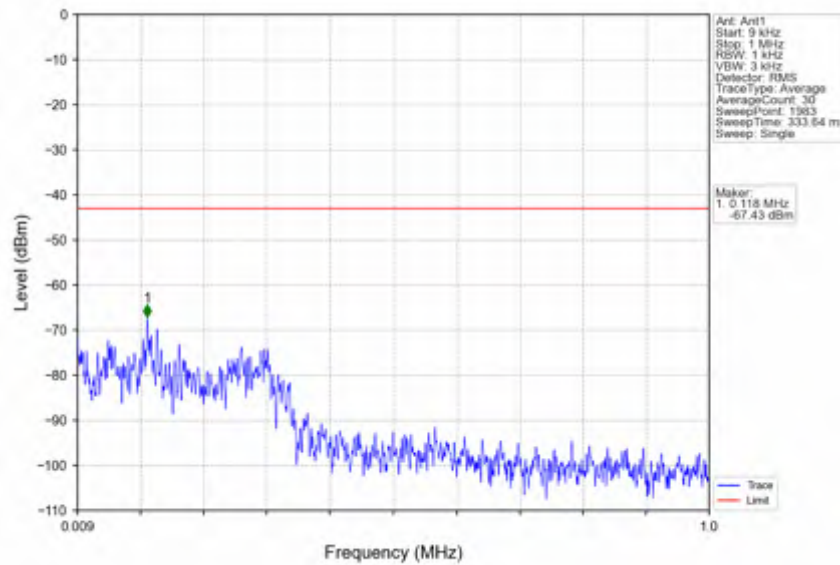
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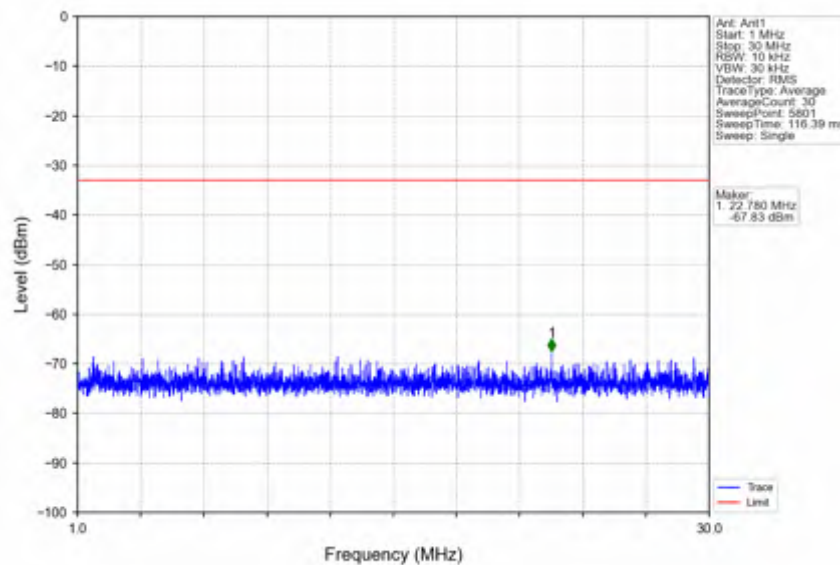
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3500.01MHz\_Edge\_1RB\_Left

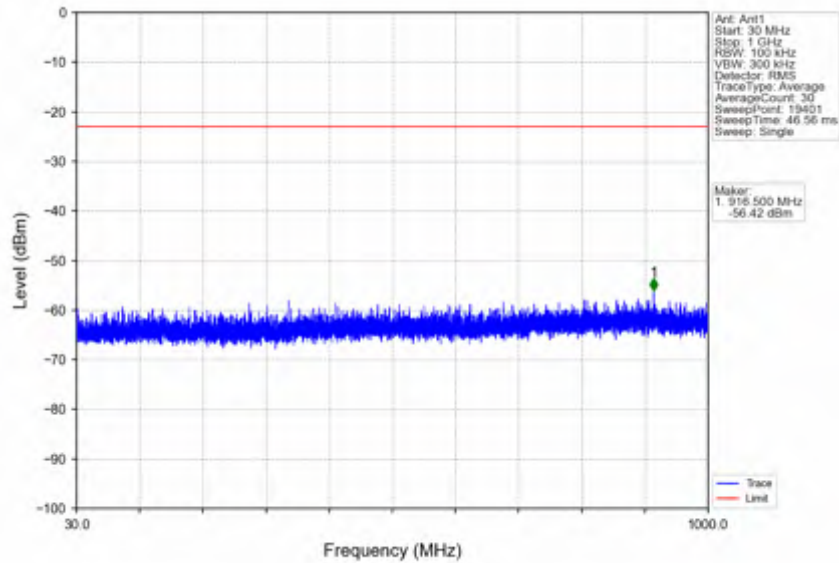


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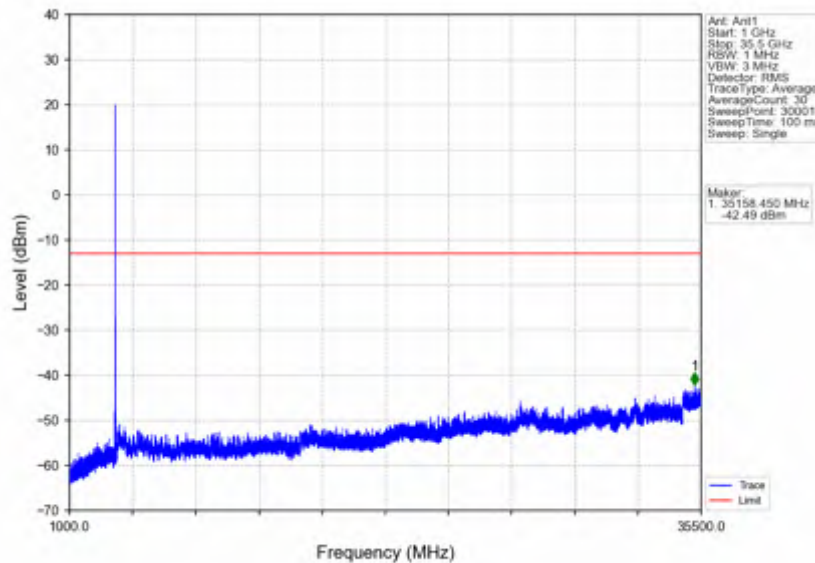
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3500.01MHz\_Edge\_1RB\_Left



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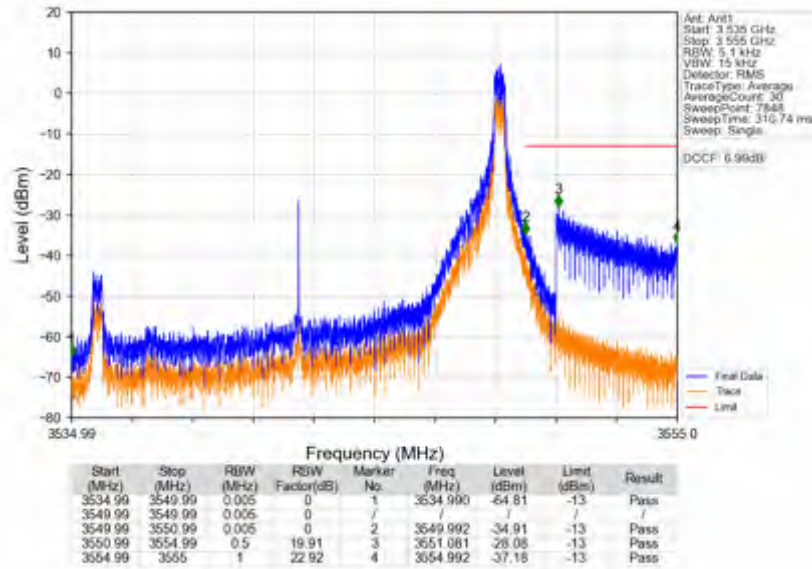
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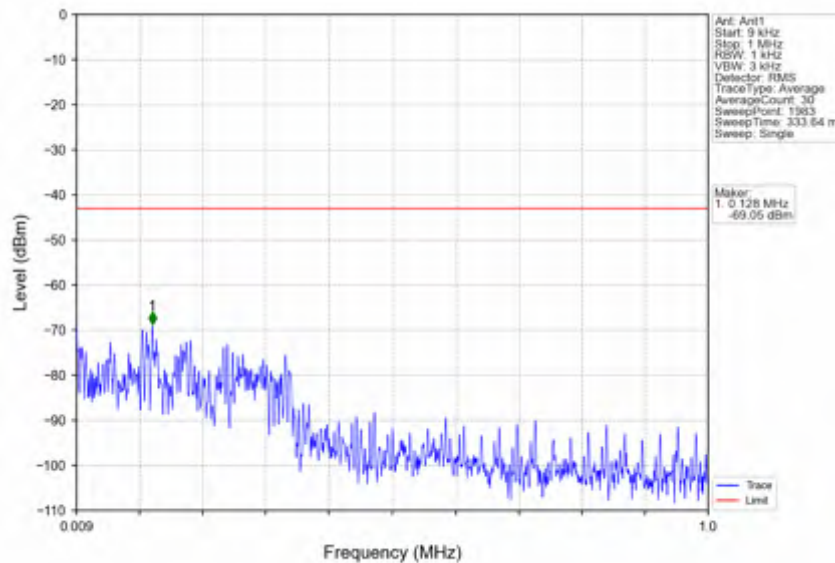
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3542.49MHz\_Edge\_1RB\_Right

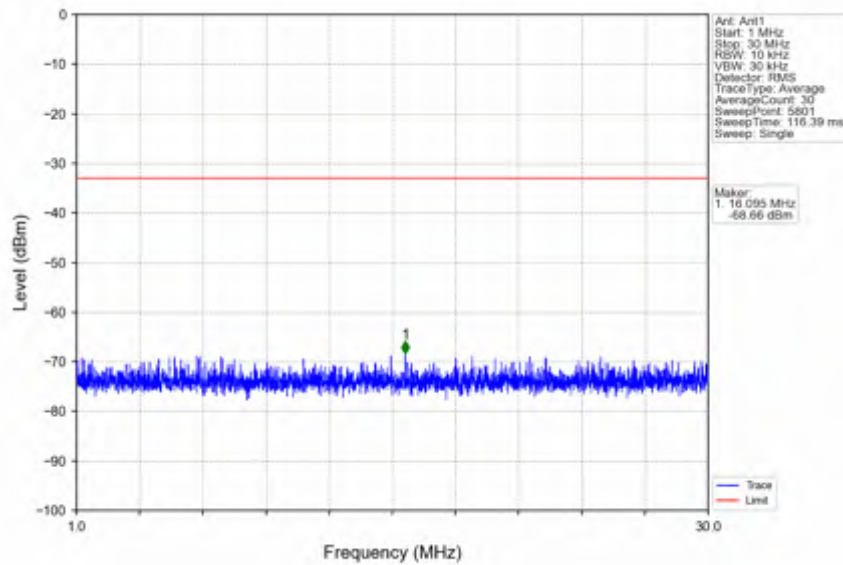


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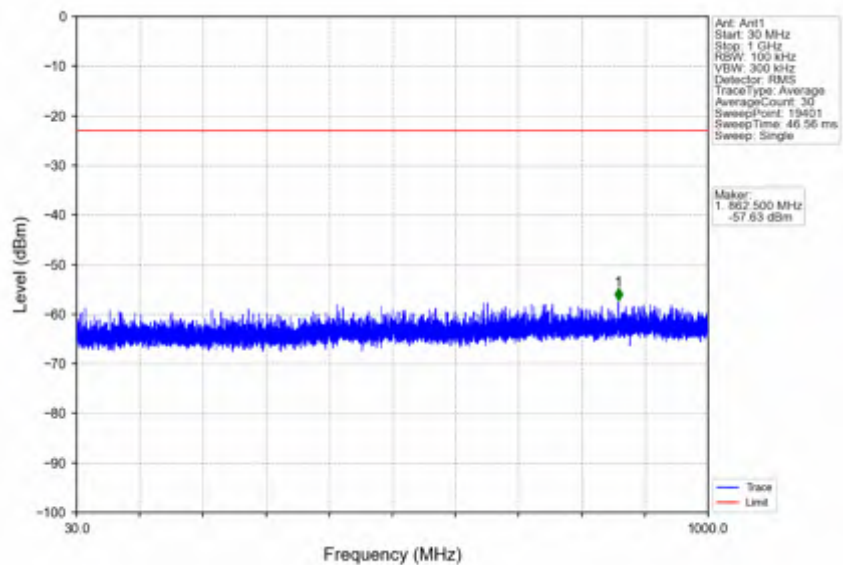
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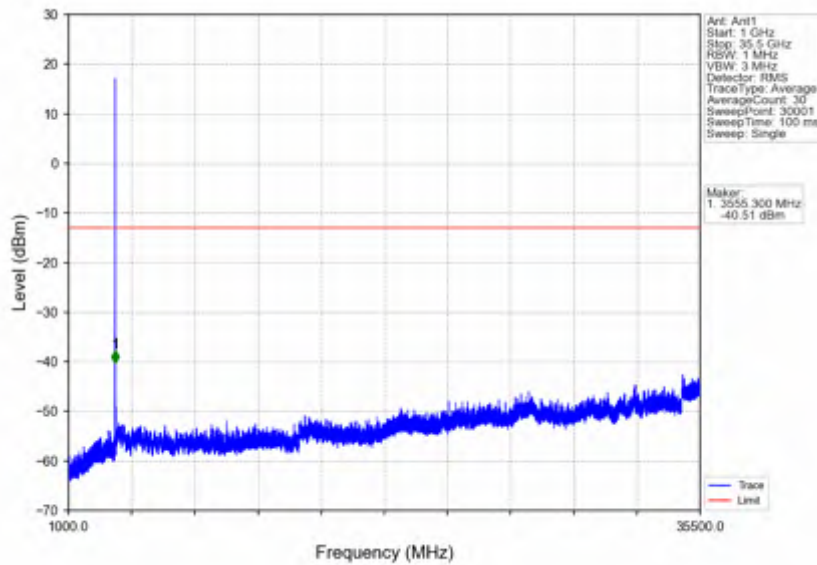
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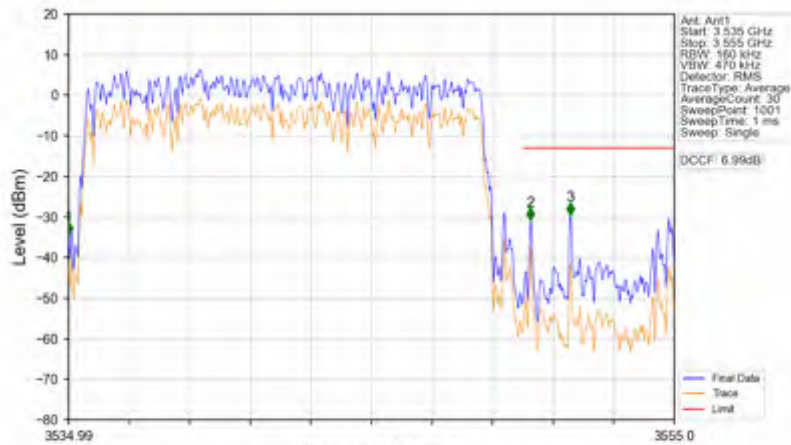
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3542.49MHz\_Outer\_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.99	3549.99	0.16	0	1	3534.990	-34.39	-13	Pass
3549.99	3549.99	0.16	0	2	3550.258	30.80	-13	Pass
3550.99	3554.99	0.5	4.95	3	3551.578	-29.50	-13	Pass

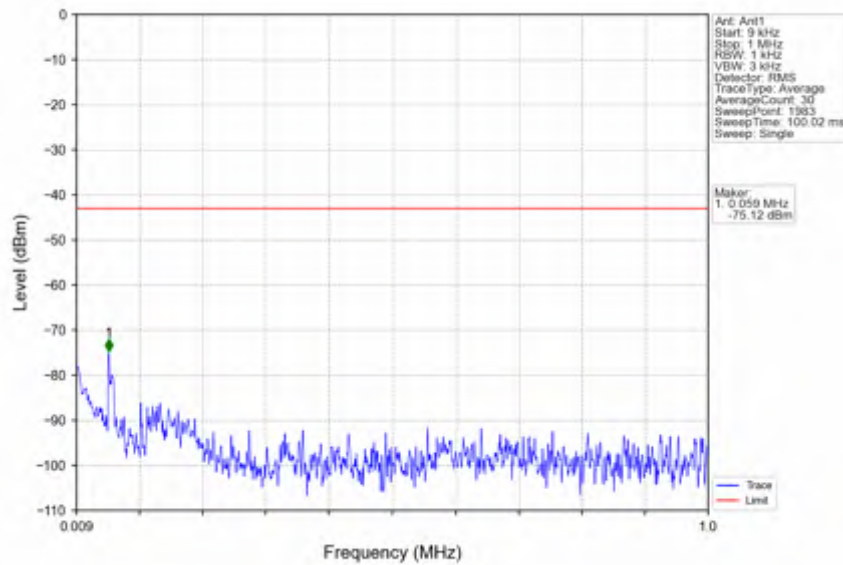


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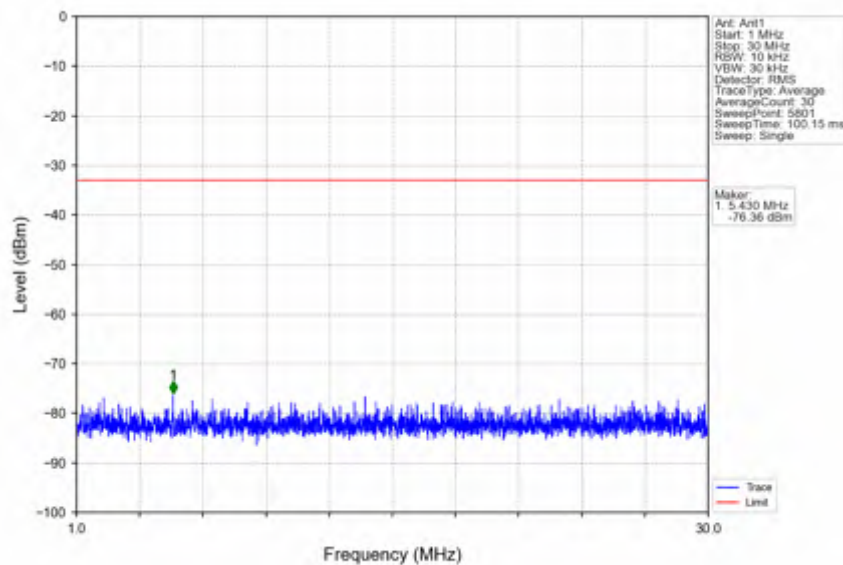
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3542.49MHz\_Outer\_Full



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3542.49MHz\_Outer\_Full



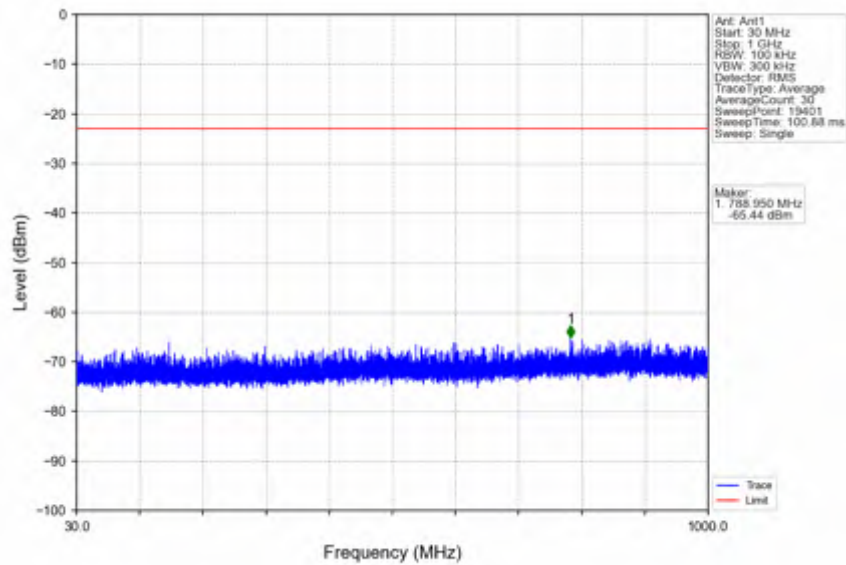
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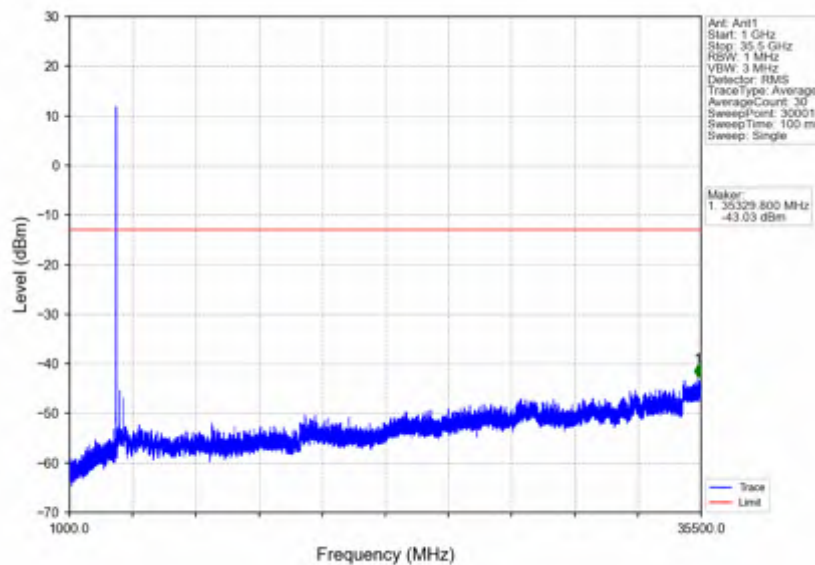
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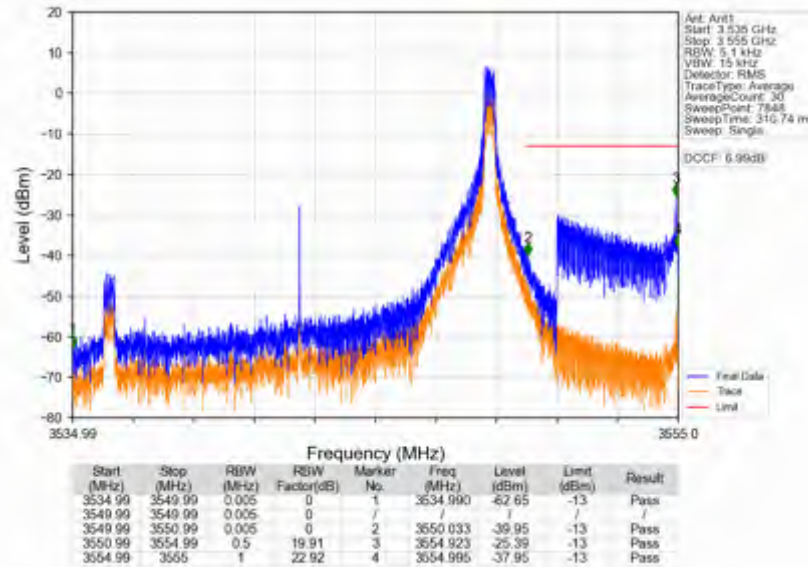
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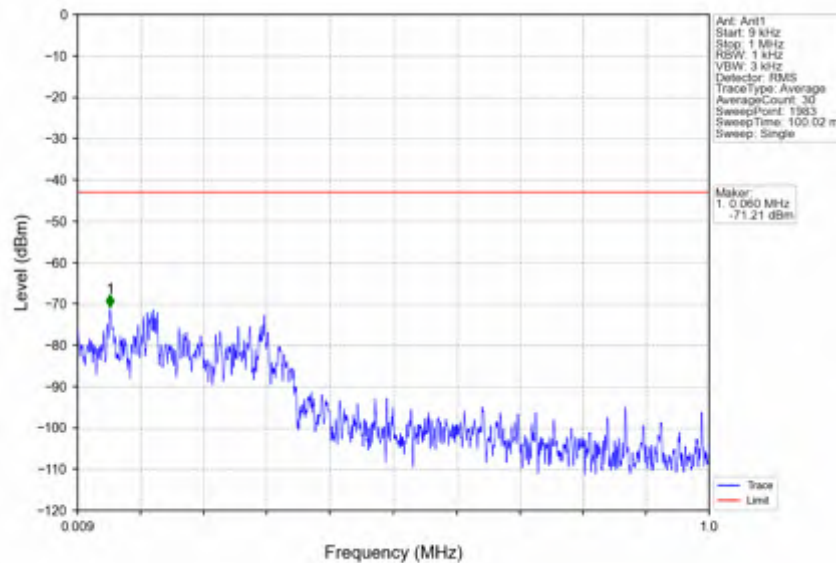
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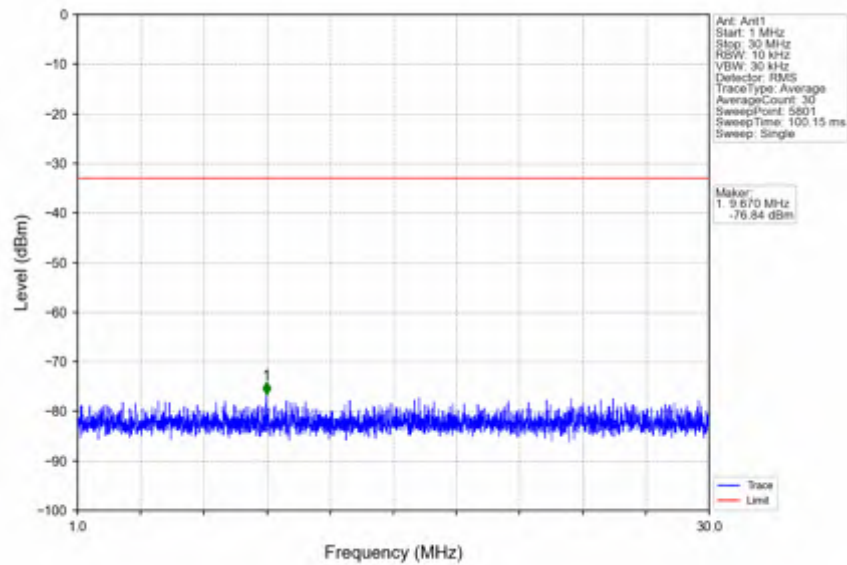


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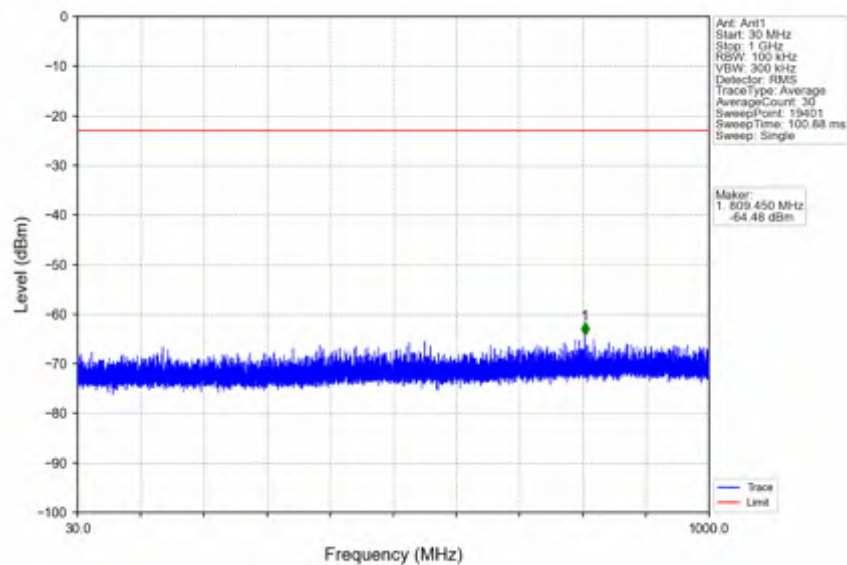
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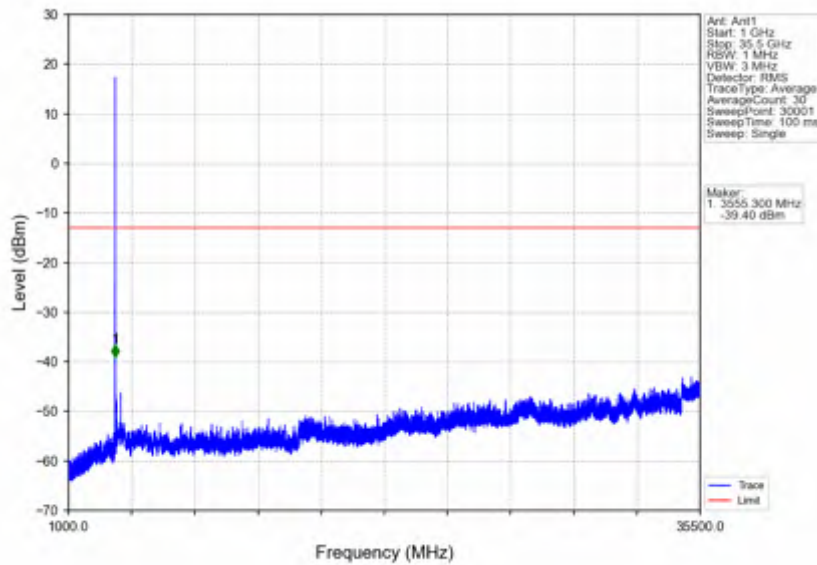
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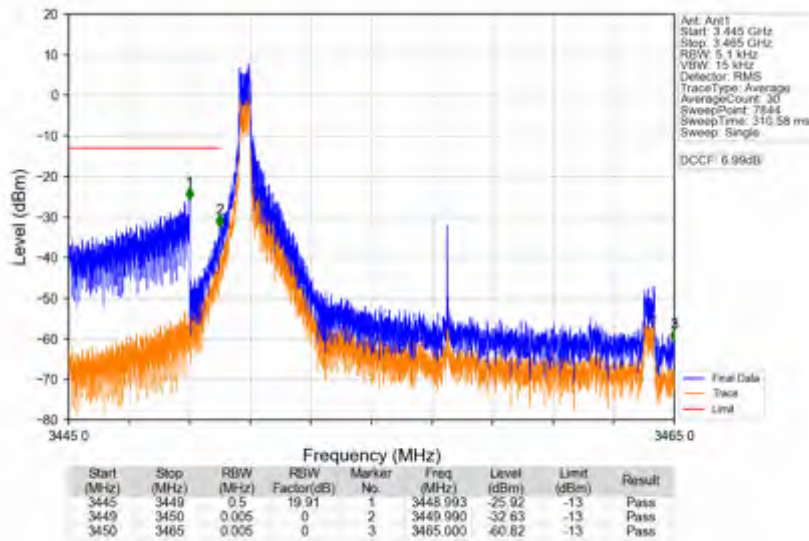
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM PI/2 BPSK\_3542.49MHz\_Inner\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3457.5MHz\_Edge\_1RB\_Left



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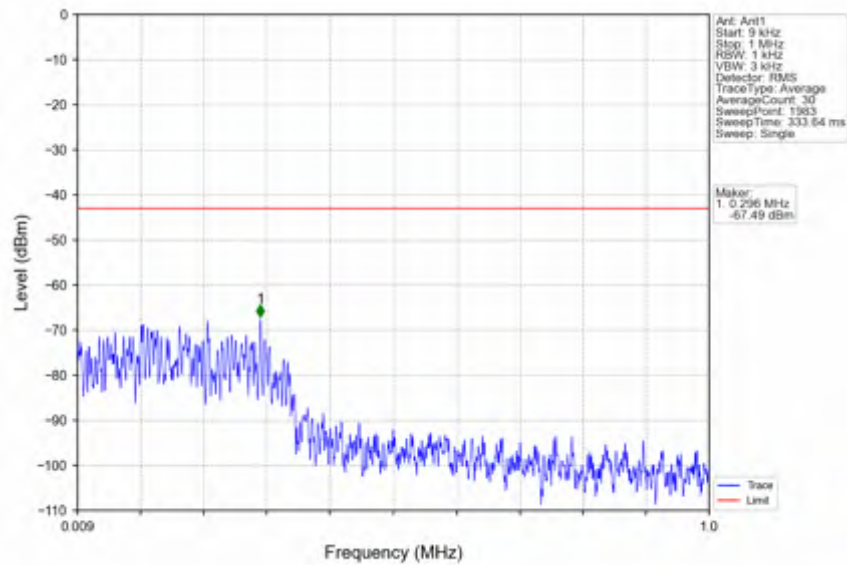
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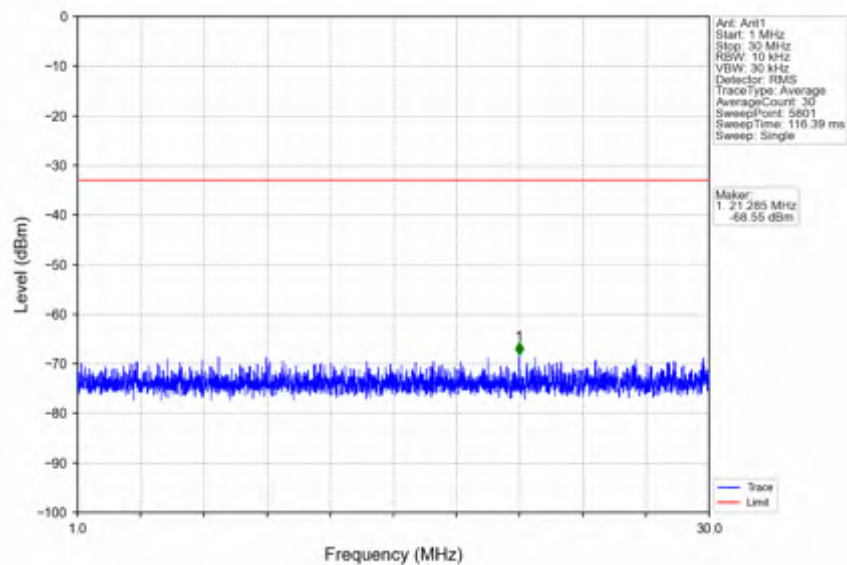
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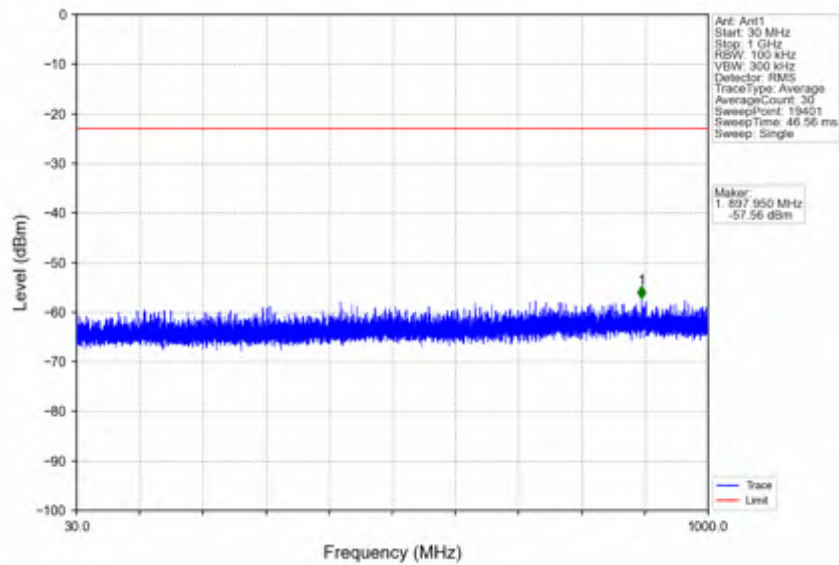
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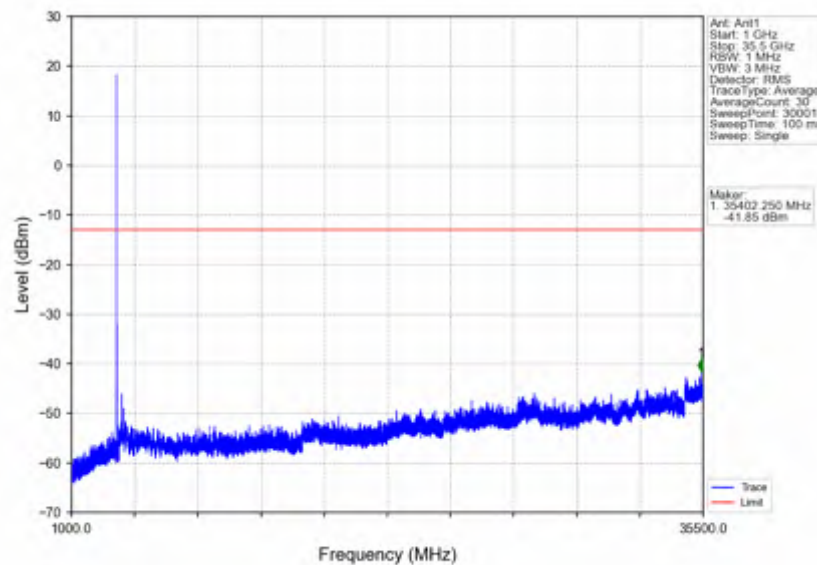
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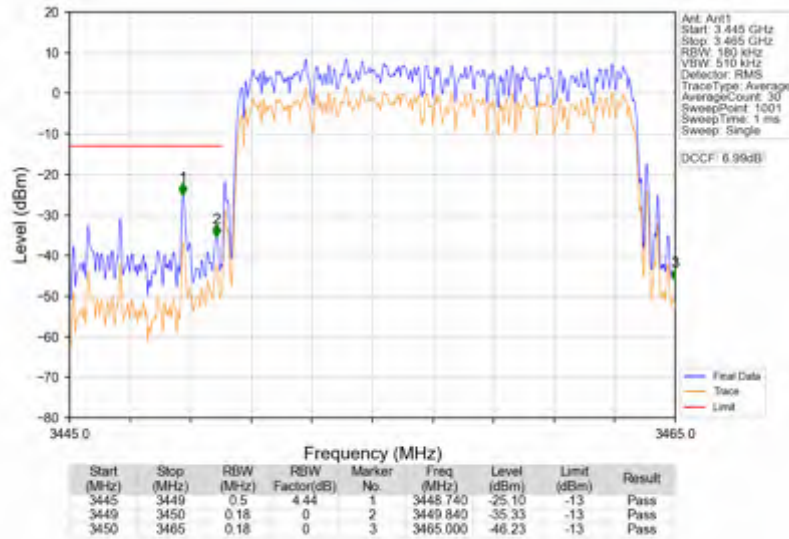
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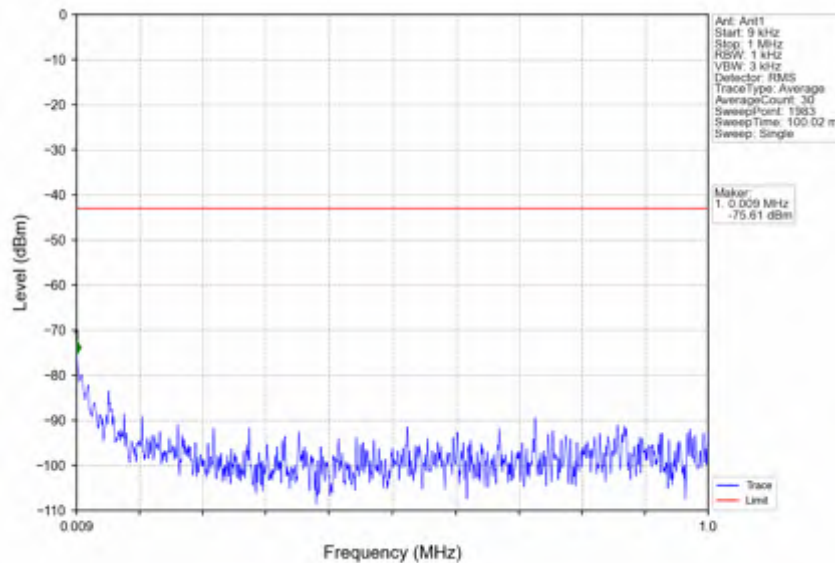
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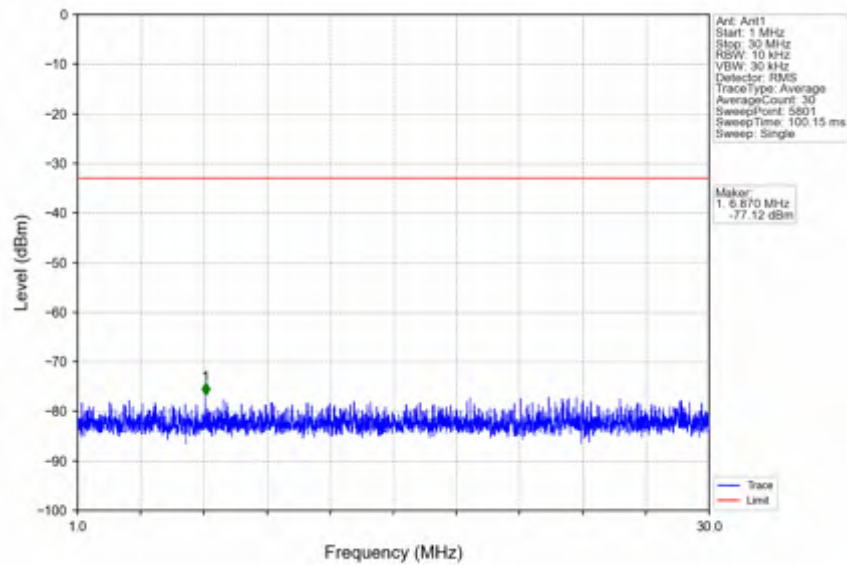
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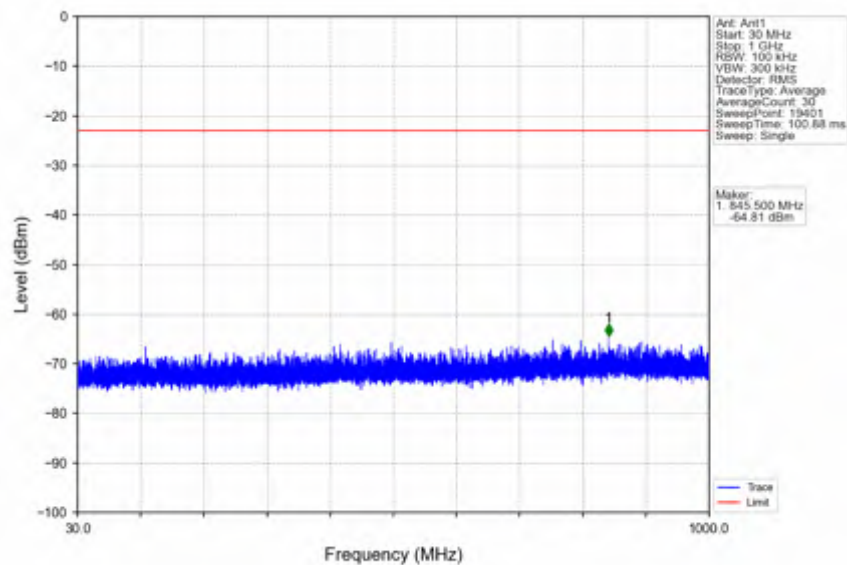
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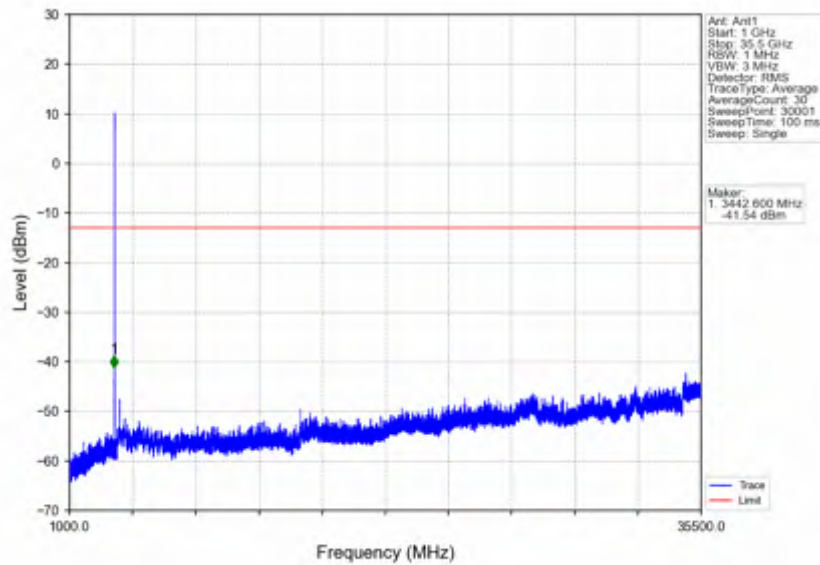
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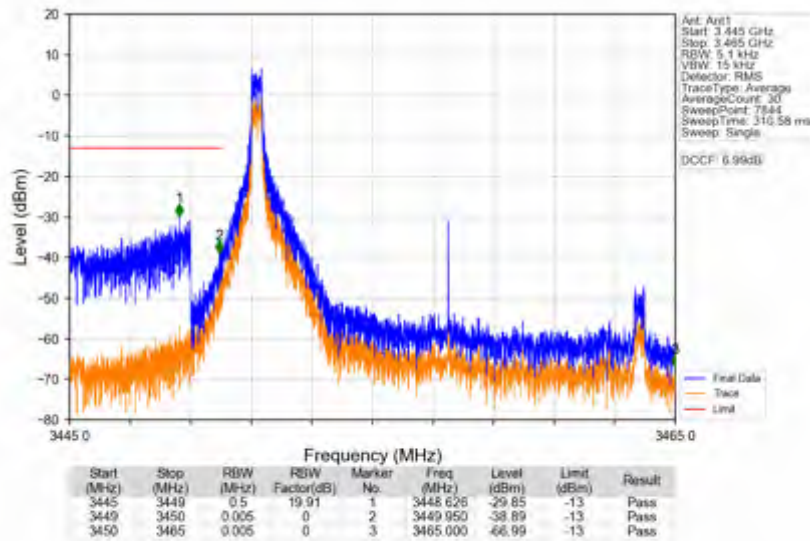
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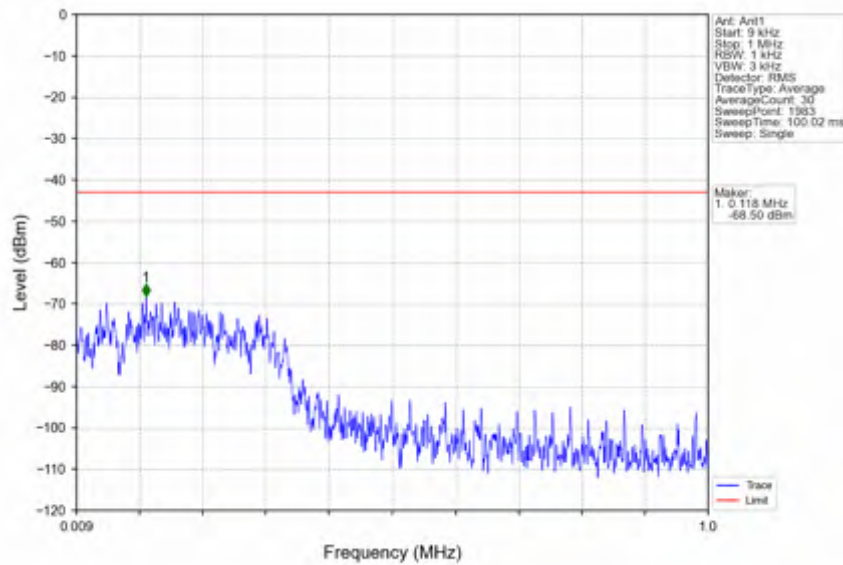
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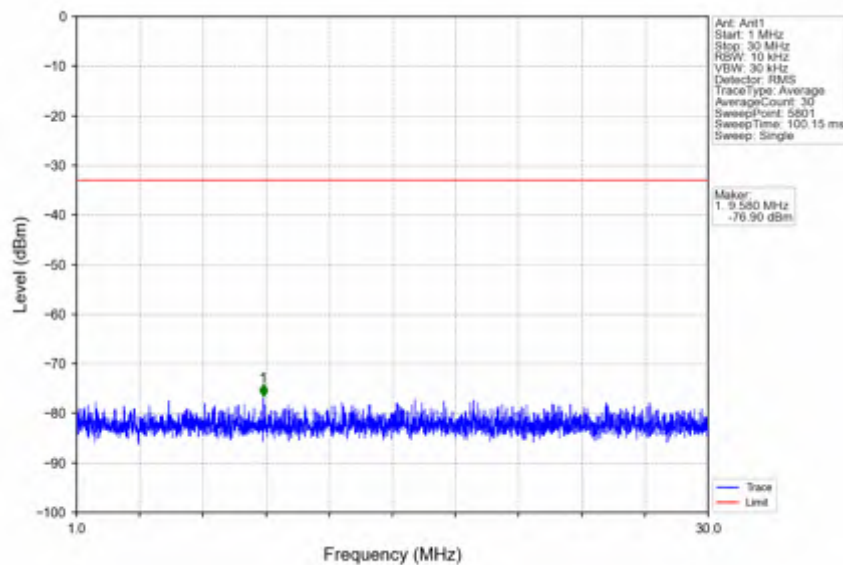
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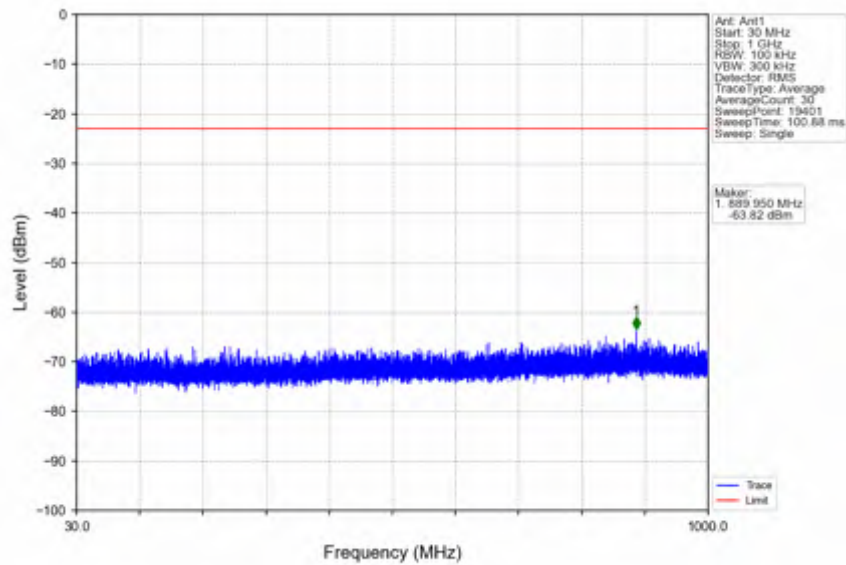
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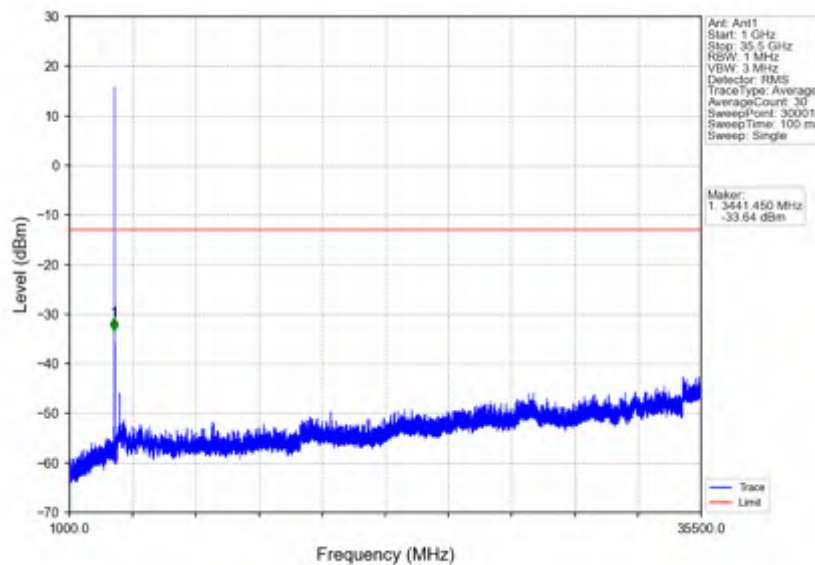
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3457.5MHz\_Inner\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3457.5MHz\_Inner\_1RB\_Left



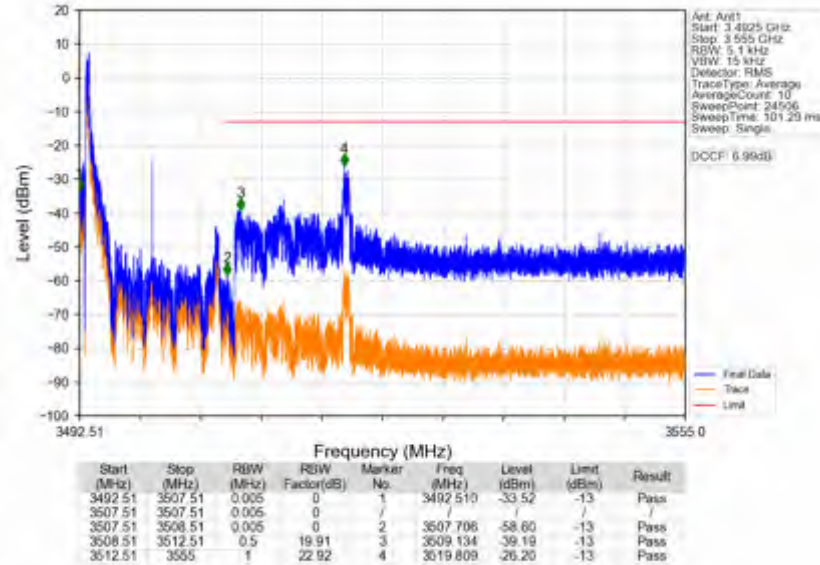
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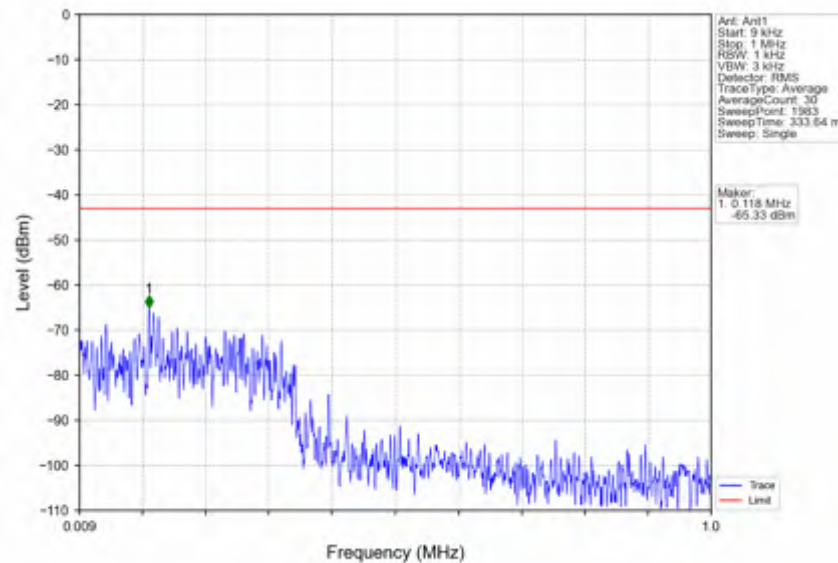
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3500.01MHz\_Edge\_1RB\_Left



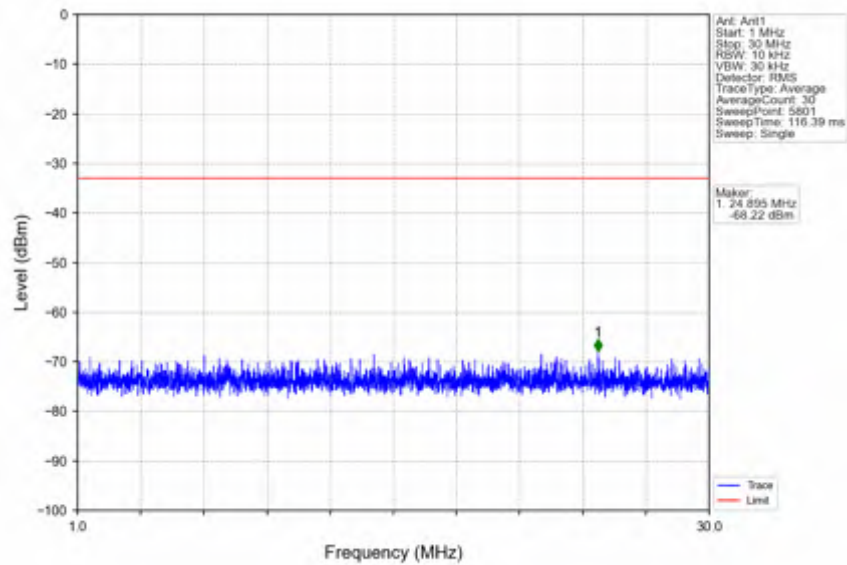
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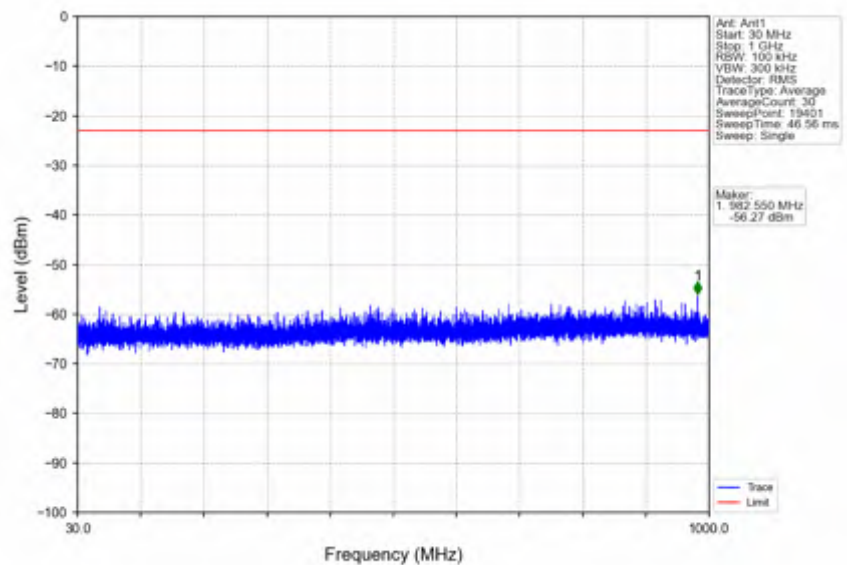
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3500.01MHz\_Edge\_1RB\_Left



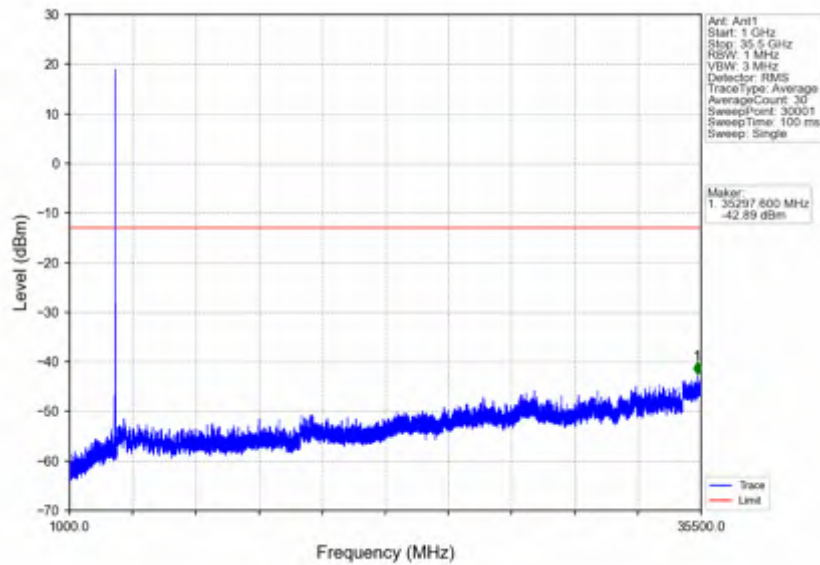
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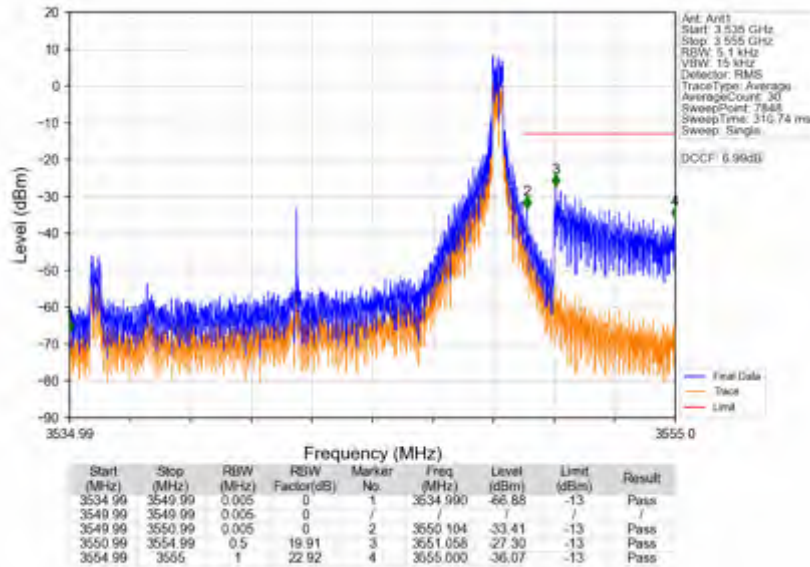
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3542.49MHz\_Edge\_1RB\_Right



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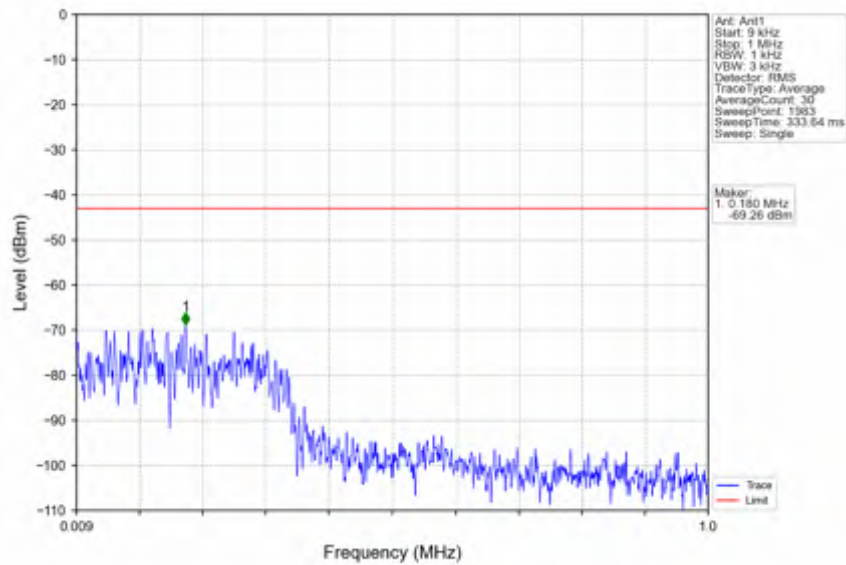
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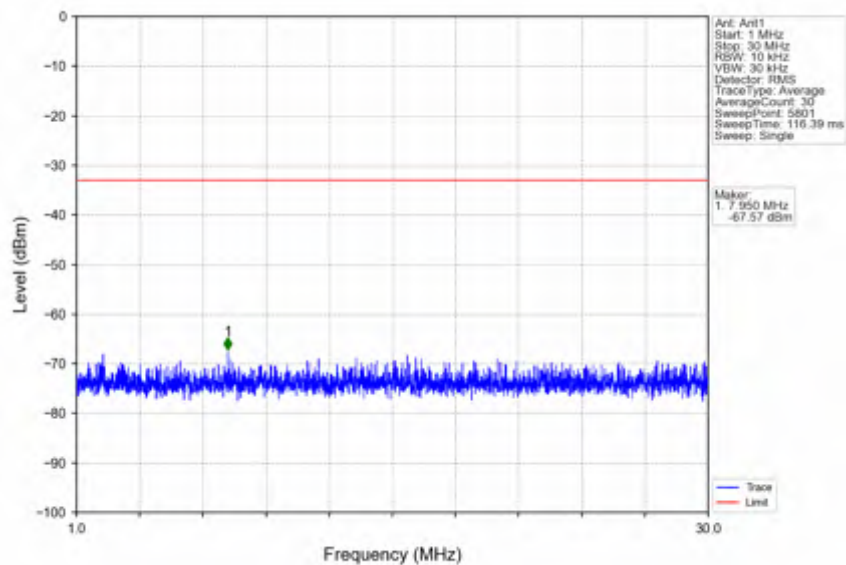
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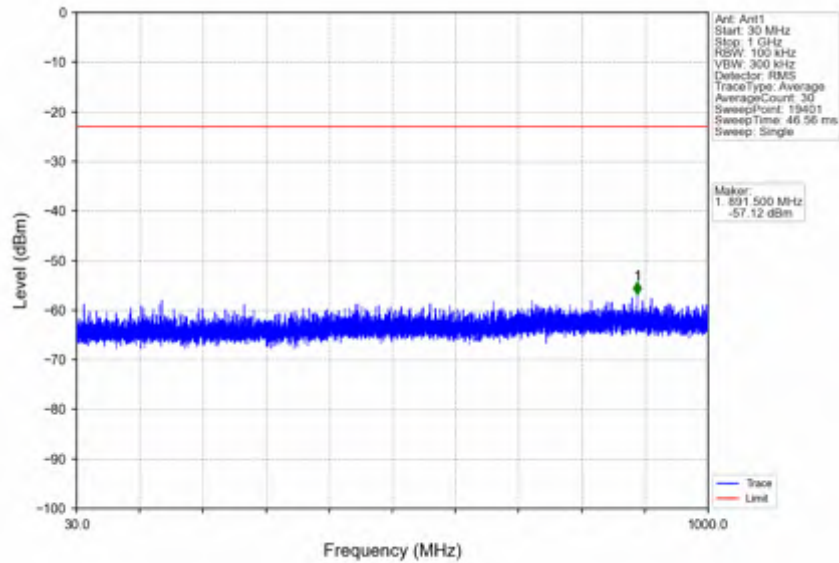
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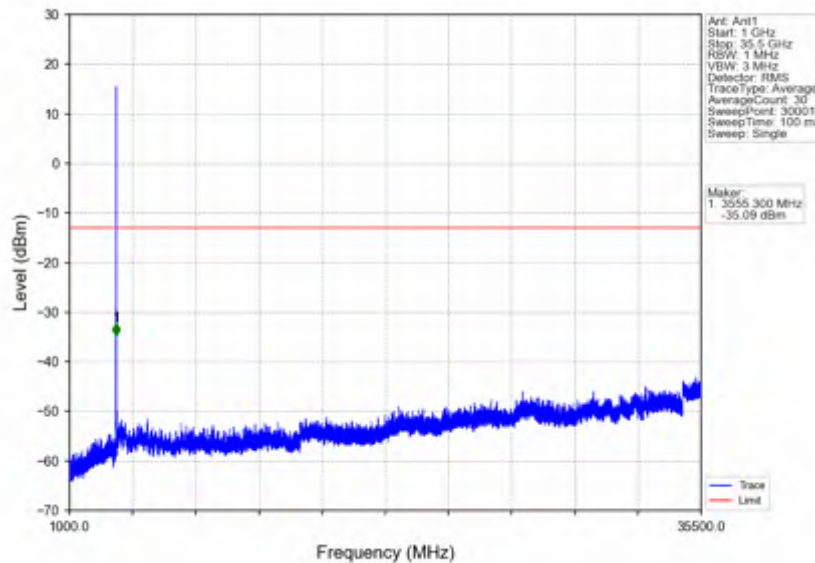
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3542.49MHz\_Edge\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3542.49MHz\_Edge\_1RB\_Right



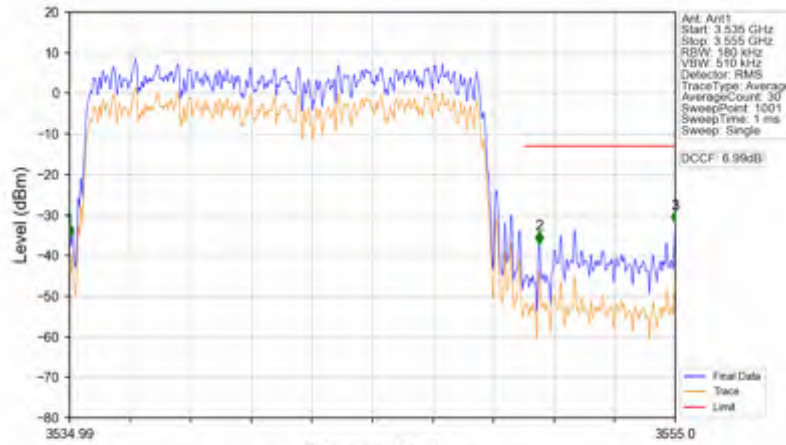
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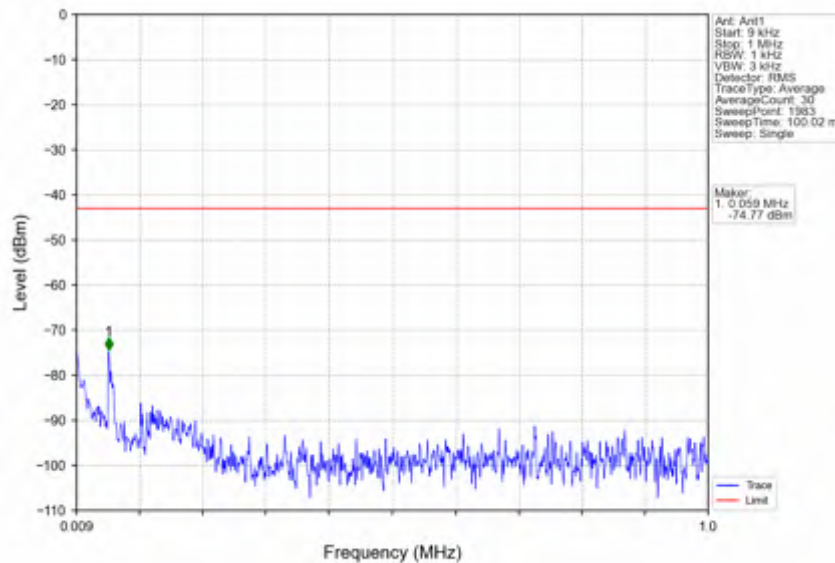
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_3542.49MHz\_Outer\_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	RSBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.99	3549.99	0.18	0	1	3534.990	-35.39	-13	Pass
3549.99	3550.99	0.18	0	2	3550.518	-37.07	-13	Pass
3550.99	3554.99	0.5	4.44	3	3555.000	-32.05	-13	Pass

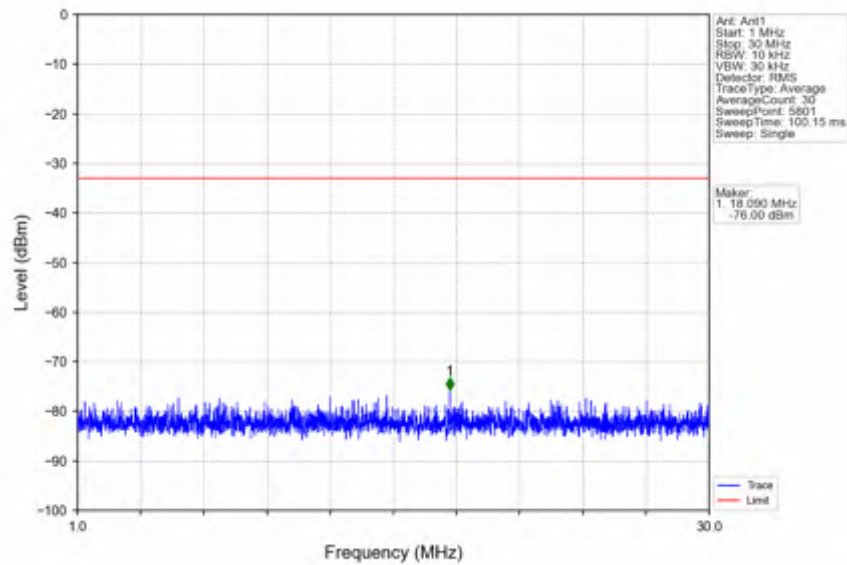
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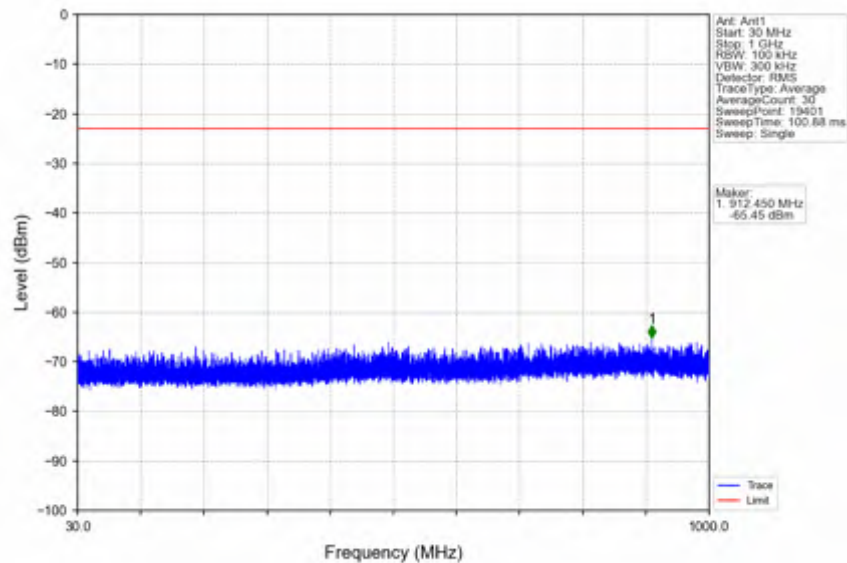
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM\_QPSK\_3542.49MHz\_Outer\_Full



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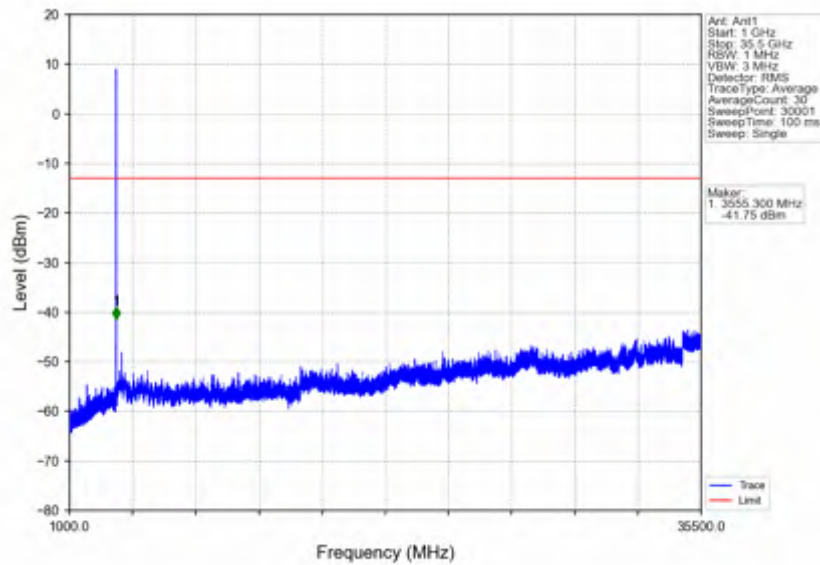
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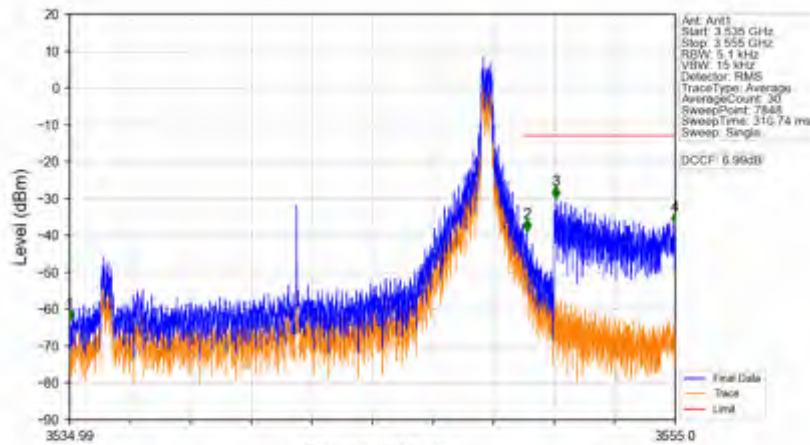
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3542.49MHz\_Outer\_Full



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3542.49MHz\_Inner\_1RB\_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.99	3549.99	0.005	0	1	3534.990	-63.31	-13	Pass
3549.99	3549.99	0.005	0	2	3550.104	-39.04	-13	Pass
3549.99	3550.99	0.005	0	3	3551.058	-30.04	-13	Pass
3550.99	3554.99	0.5	19.91	4	3554.997	-37.07	-13	Pass



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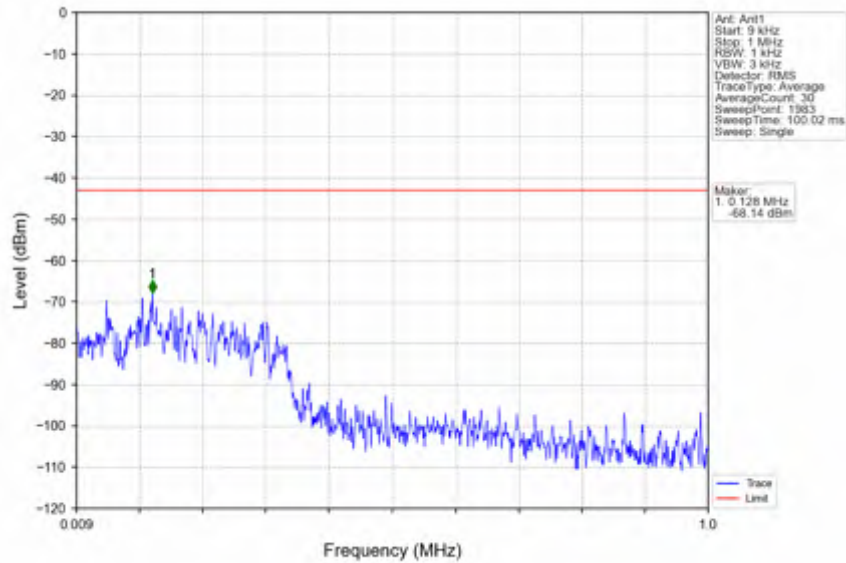
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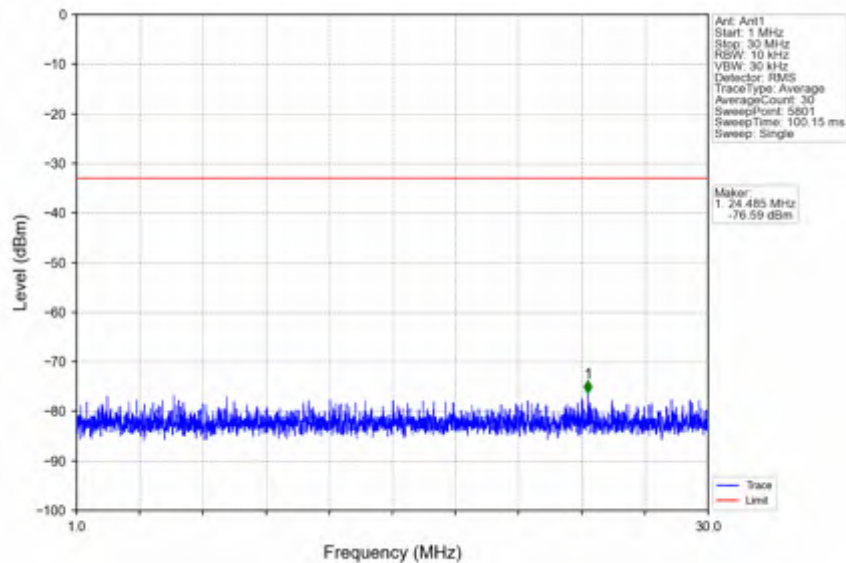
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3542.49MHz\_Inner\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM QPSK\_3542.49MHz\_Inner\_1RB\_Right



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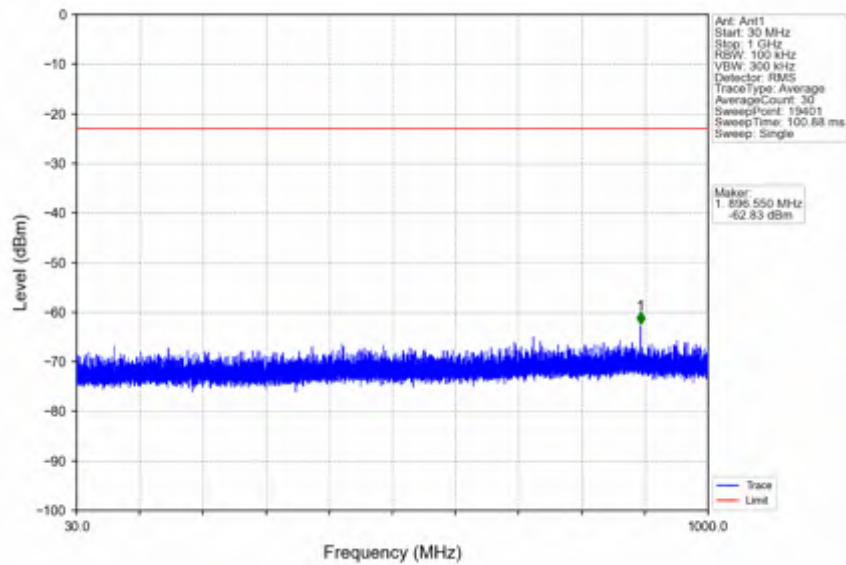
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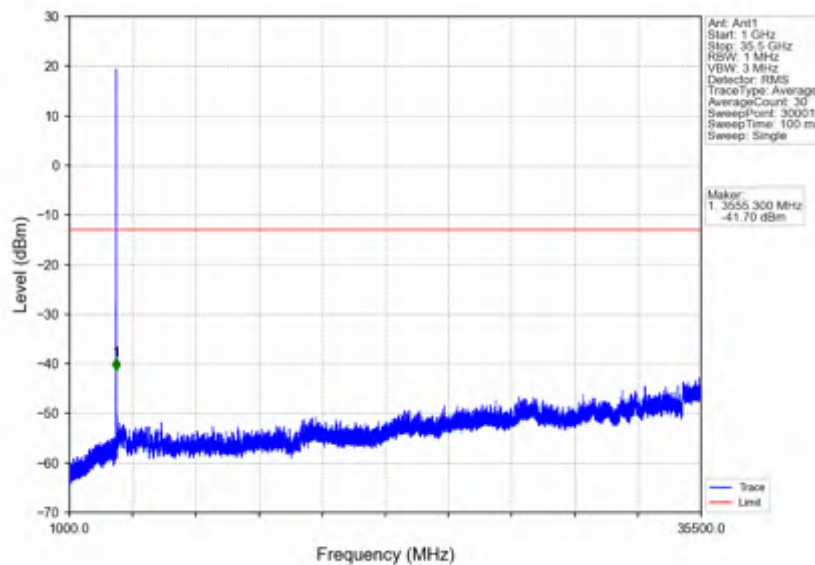
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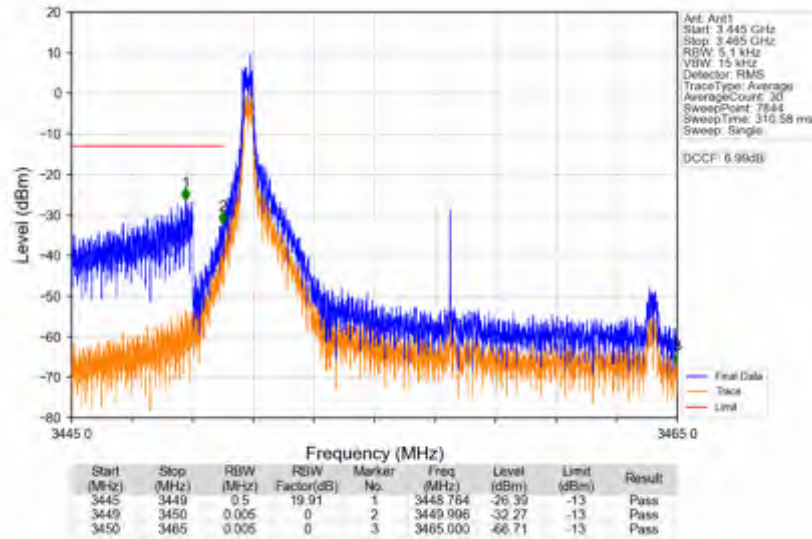
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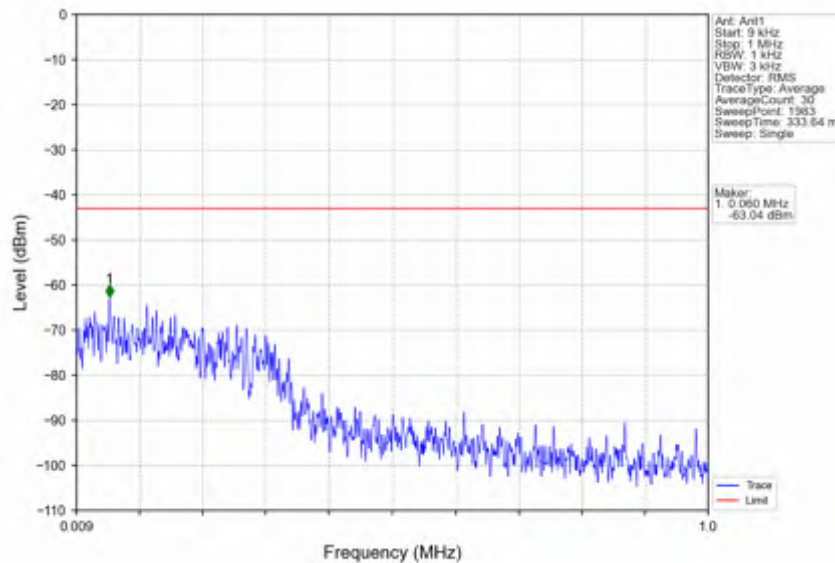
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3457.5MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3457.5MHz\_Edge\_1RB\_Left

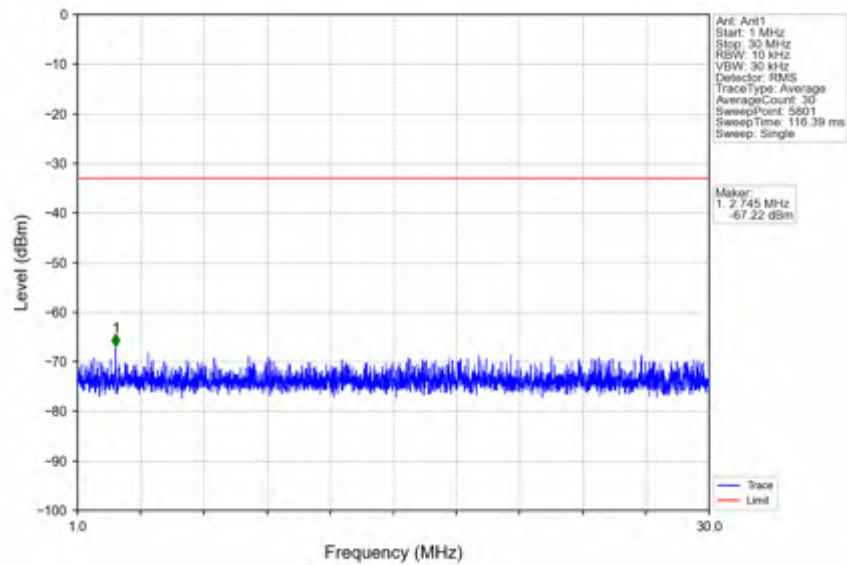


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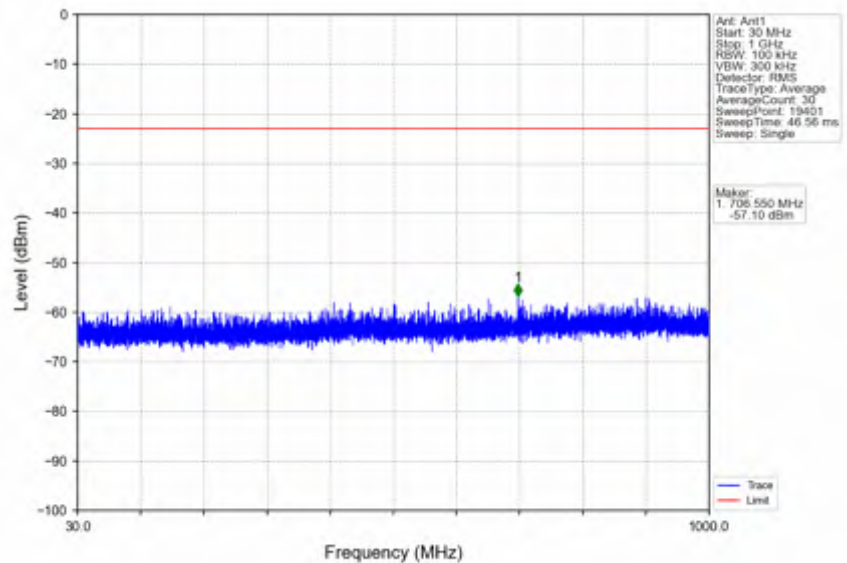
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3457.5MHz\_Edge\_1RB\_Left



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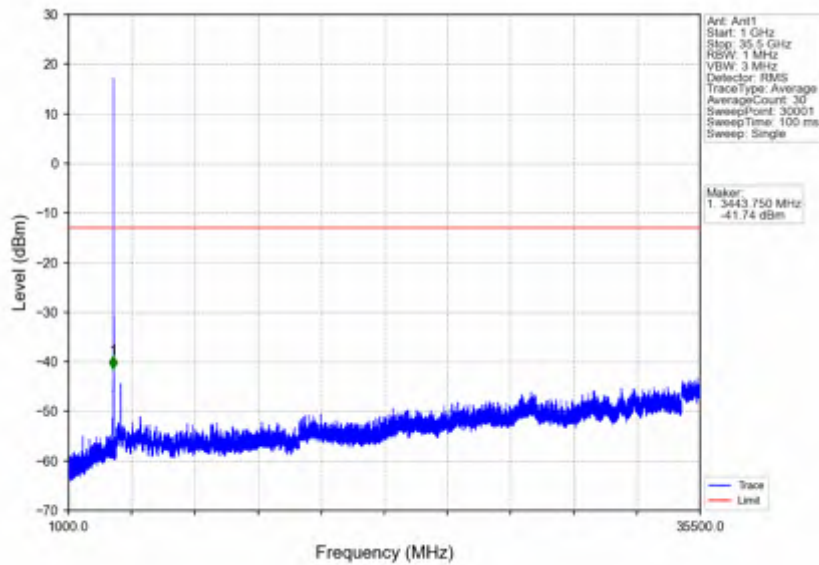
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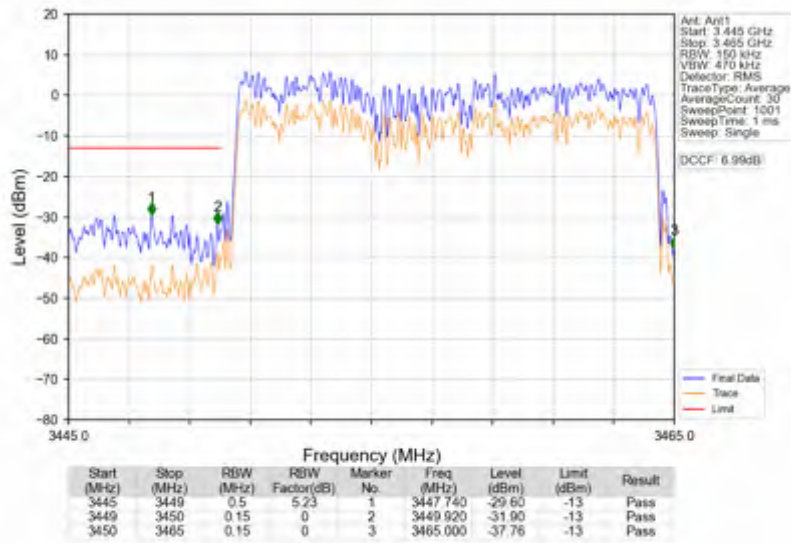
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3457.5MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3457.5MHz\_Outer\_Full



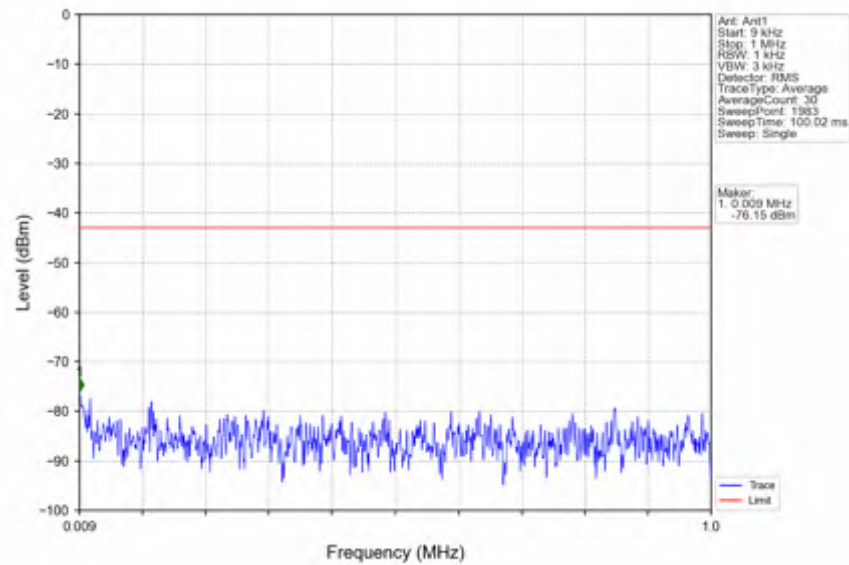
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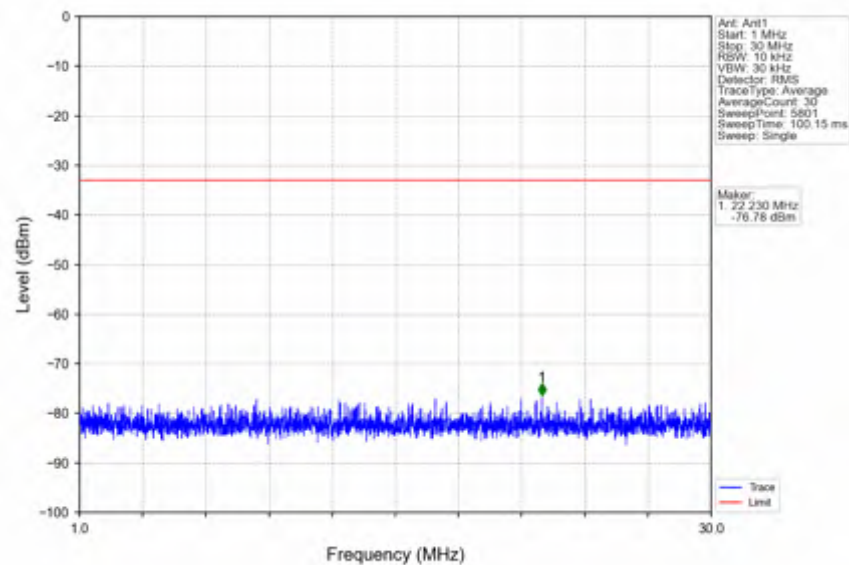
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3457.5MHz\_Outer\_Full



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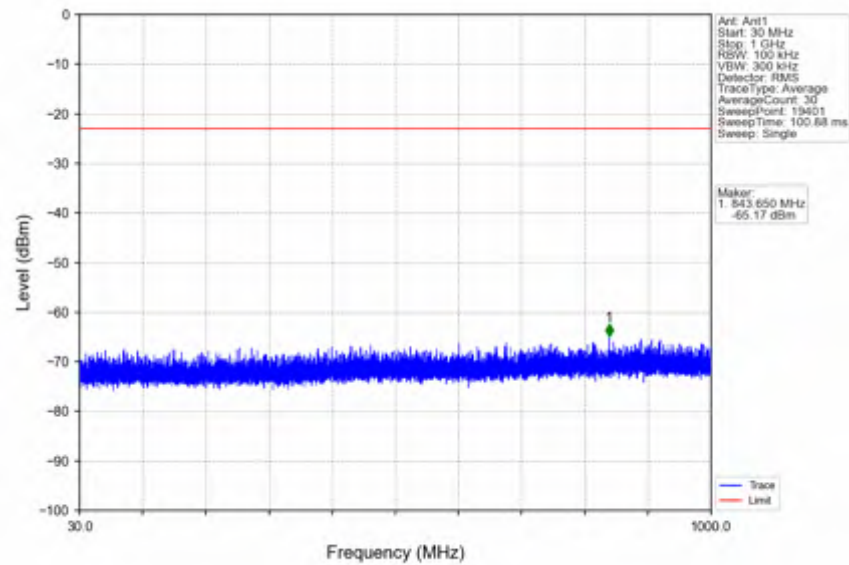


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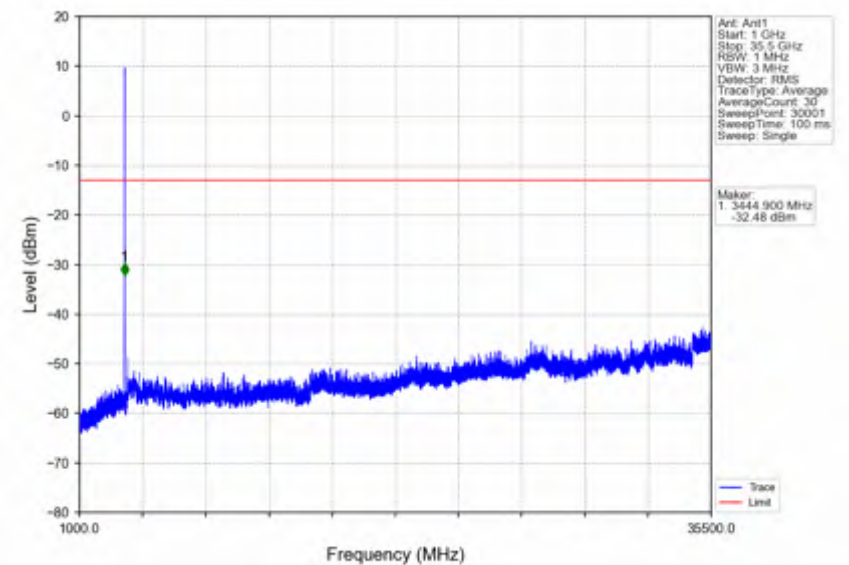
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3457.5MHz\_Outer\_Full



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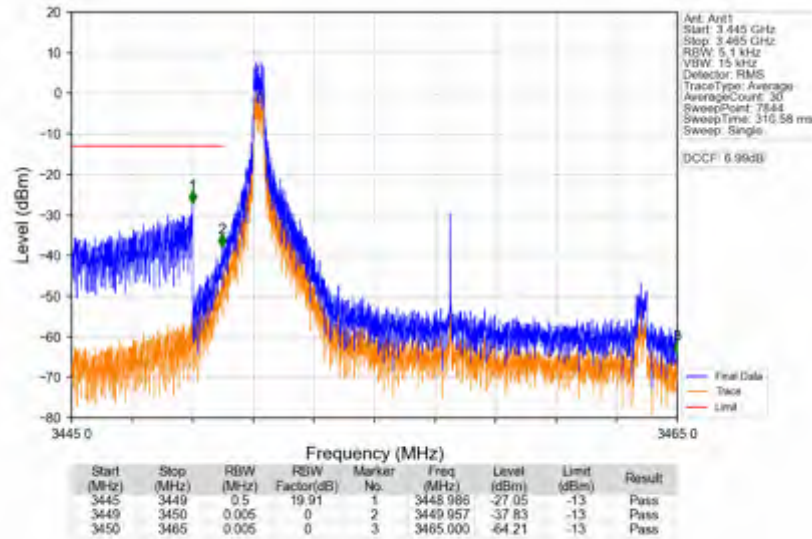


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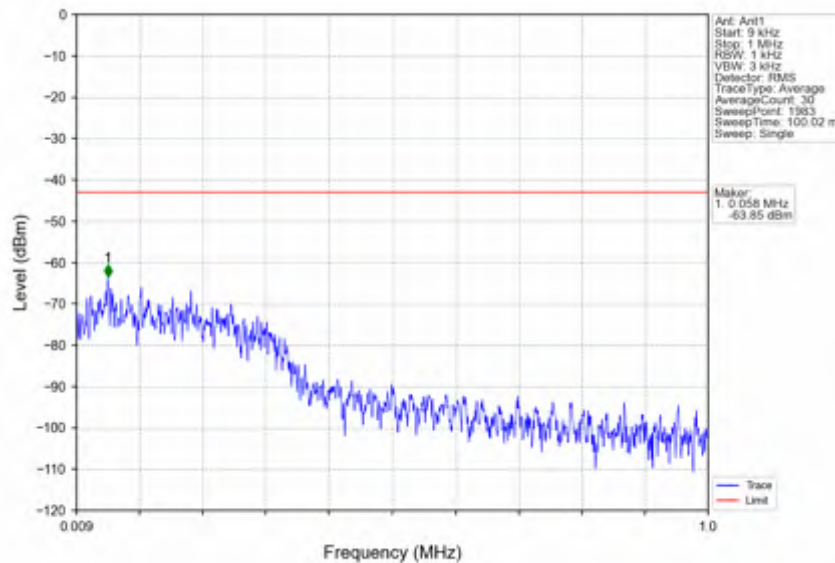
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3457.5MHz\_Inner\_1RB\_Left



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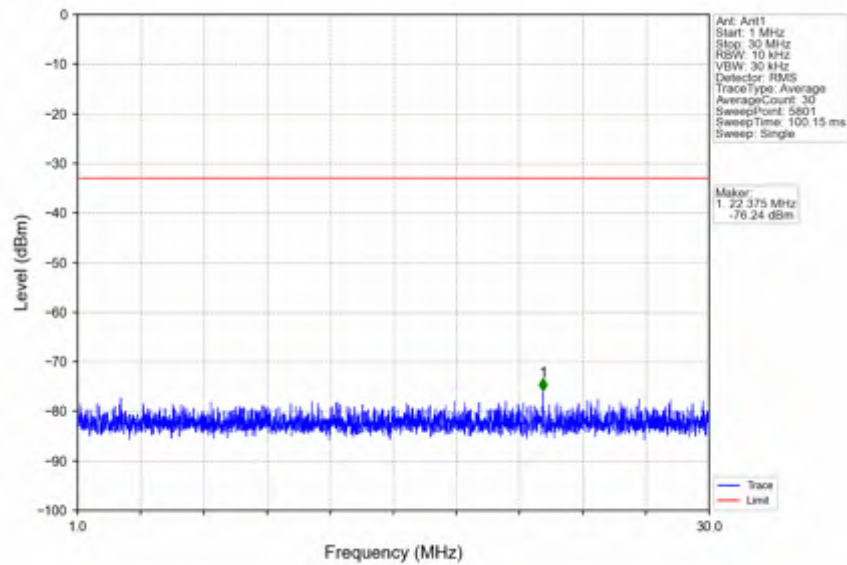


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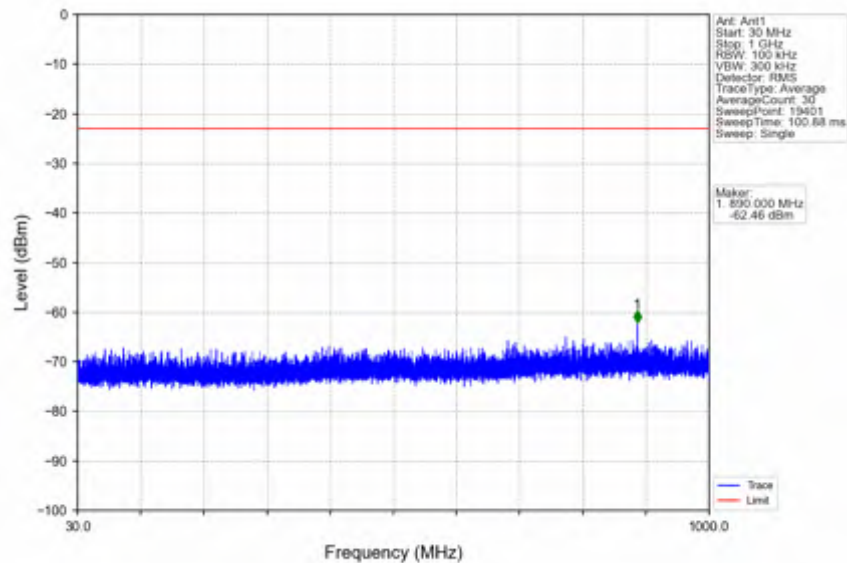
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3457.5MHz\_Inner\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3457.5MHz\_Inner\_1RB\_Left



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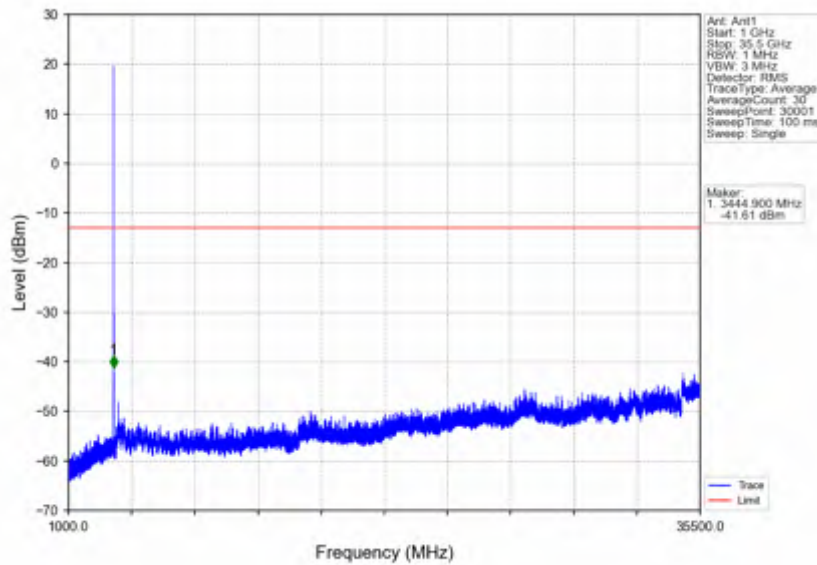
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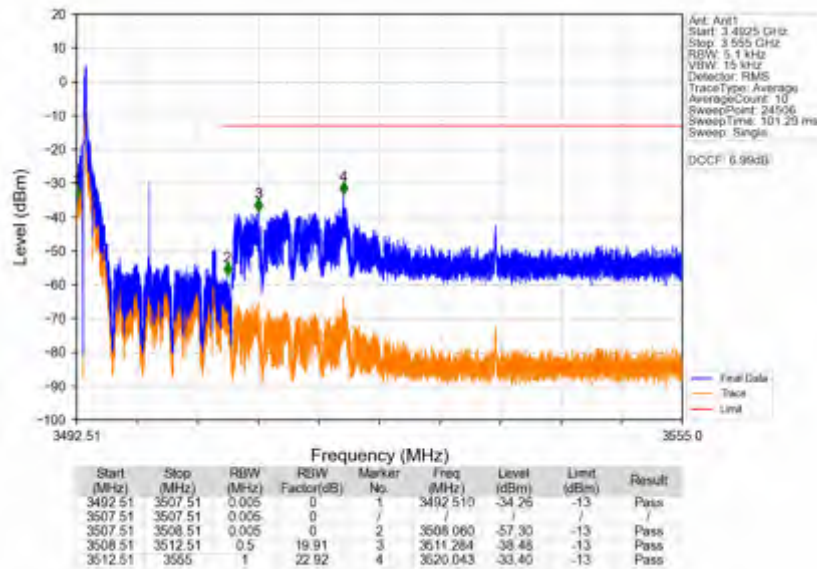
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3457.5MHz\_Inner\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3500.01MHz\_Edge\_1RB\_Left



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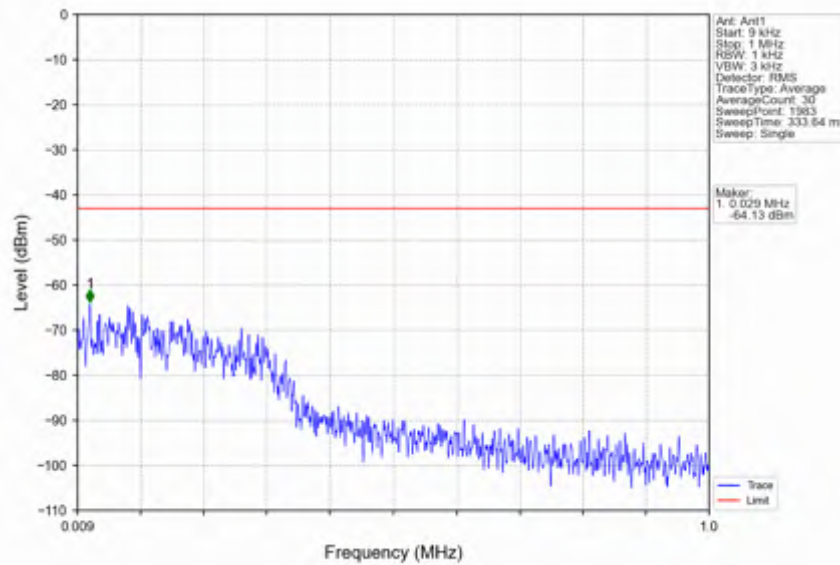
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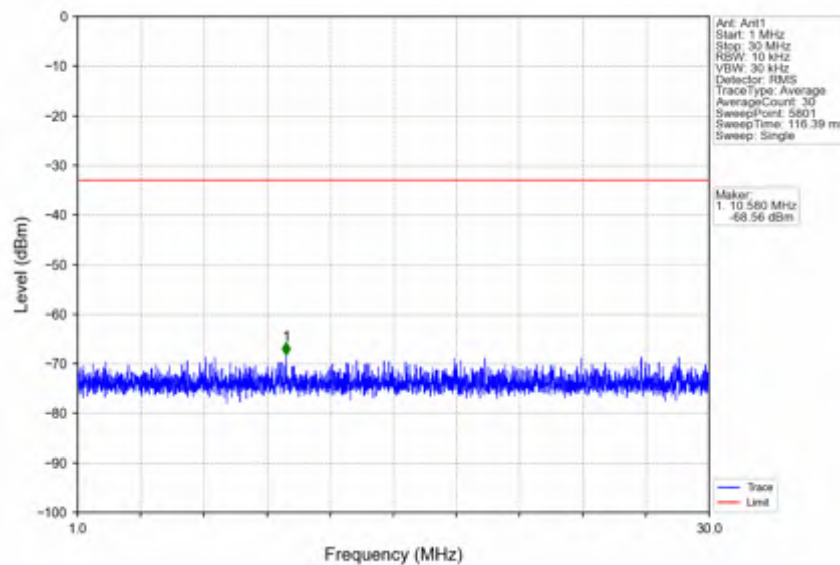
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n78e\_30kHz\_SISO\_NTV\_15MHz\_CP-OFDM QPSK\_3500.01MHz\_Edge\_1RB\_Left



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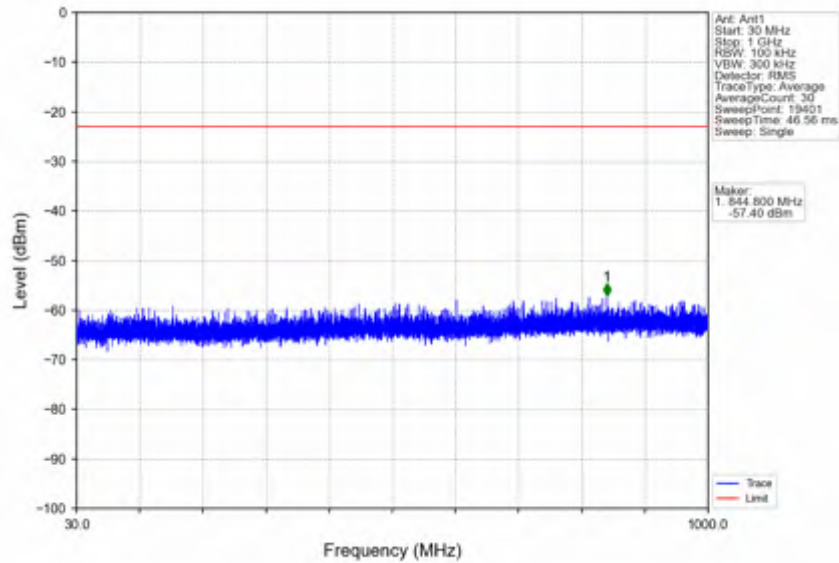
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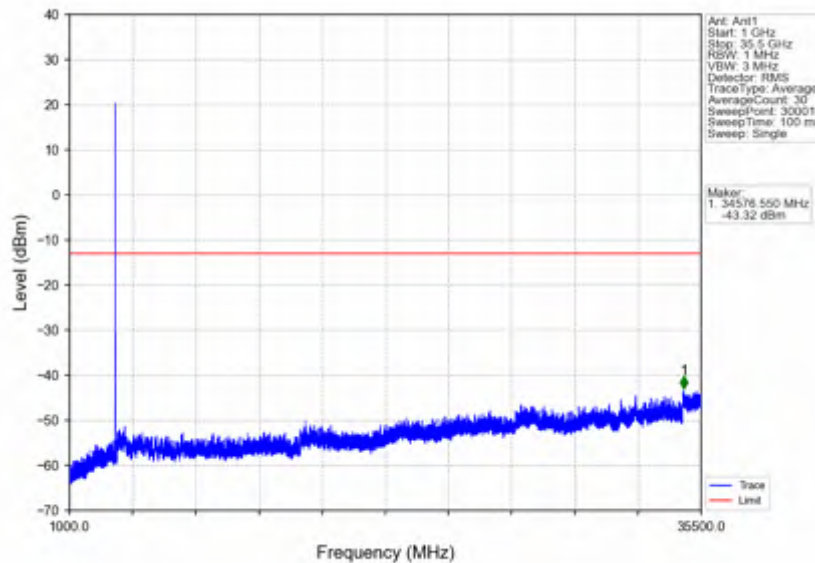
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n78e\_30kHz\_SISO\_NTV\_15MHz\_CP-OFDM QPSK\_3500.01MHz\_Edge\_1RB\_Left



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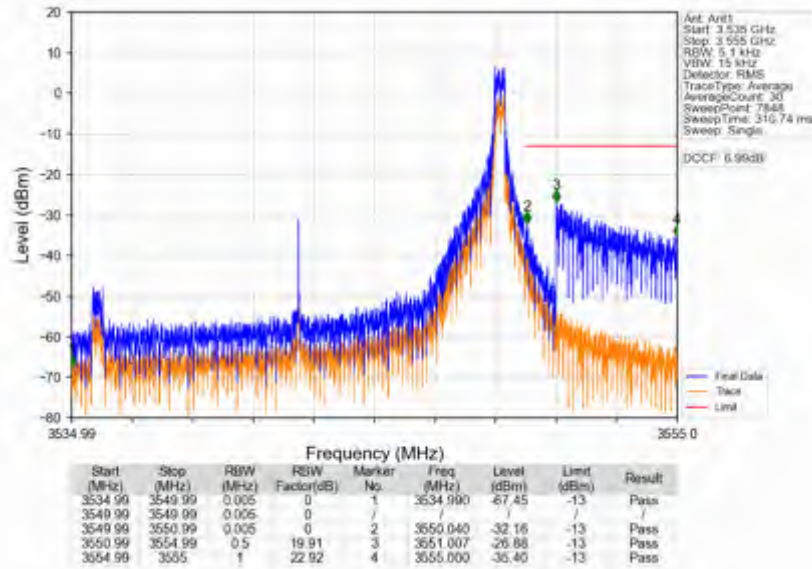
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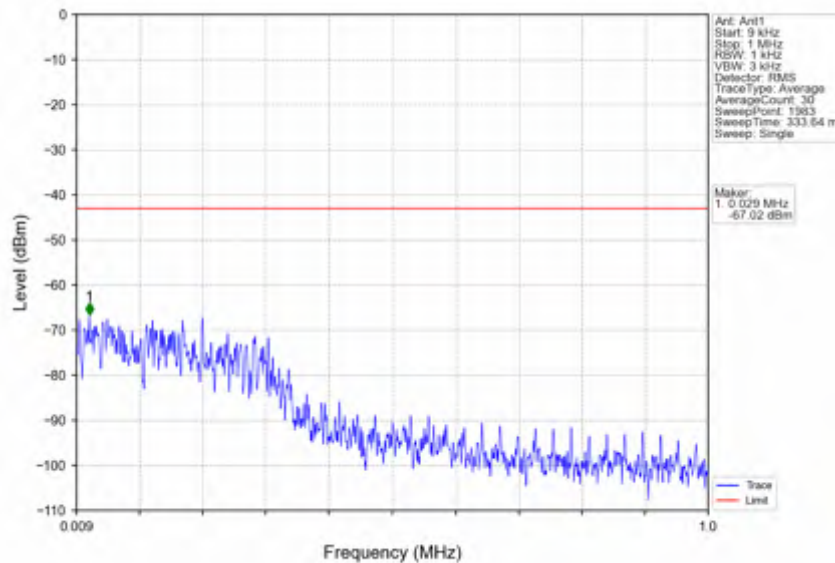
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n78e\_30kHz\_SISO\_NTV\_15MHz\_CP-OFDM QPSK\_3542.49MHz\_Edge\_1RB\_Right



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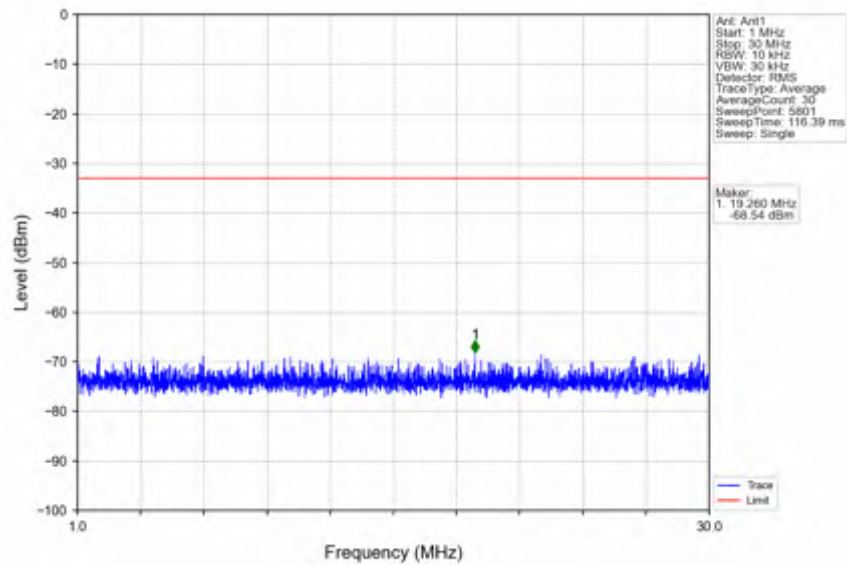


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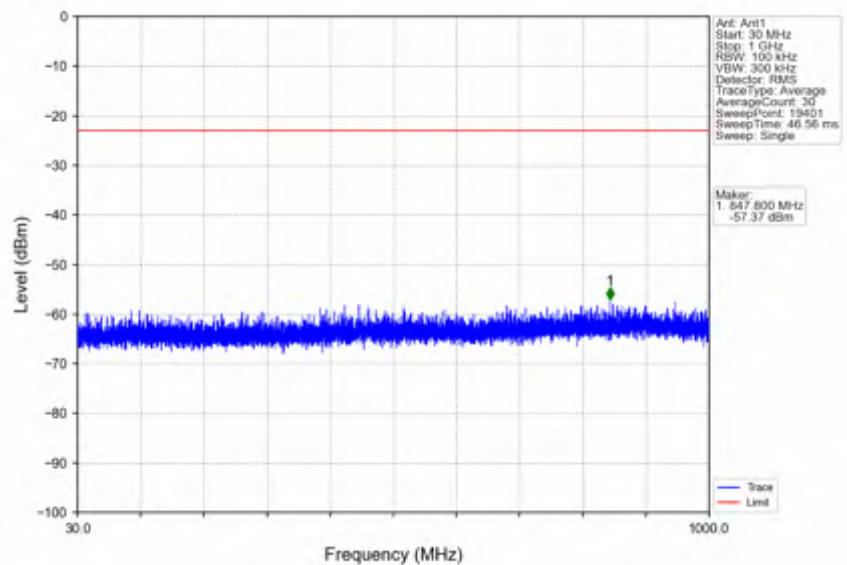
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3542.49MHz\_Edge\_1RB\_Right



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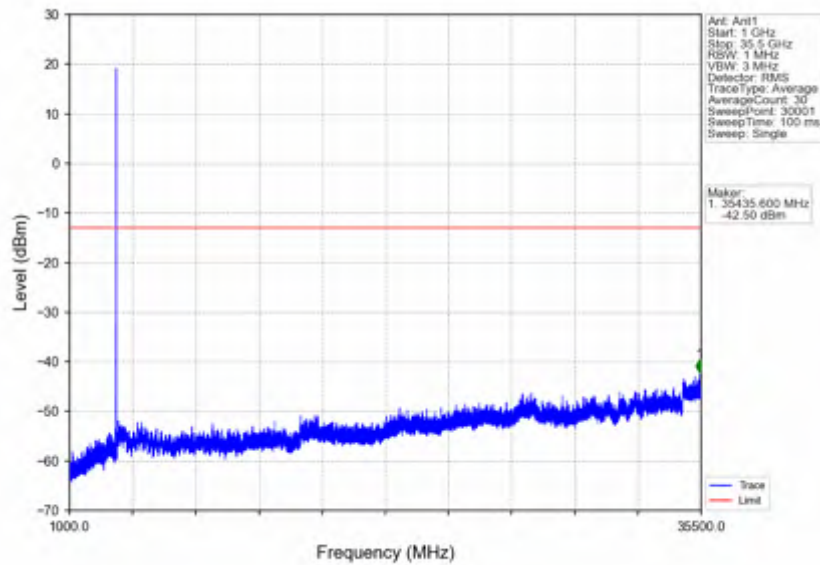


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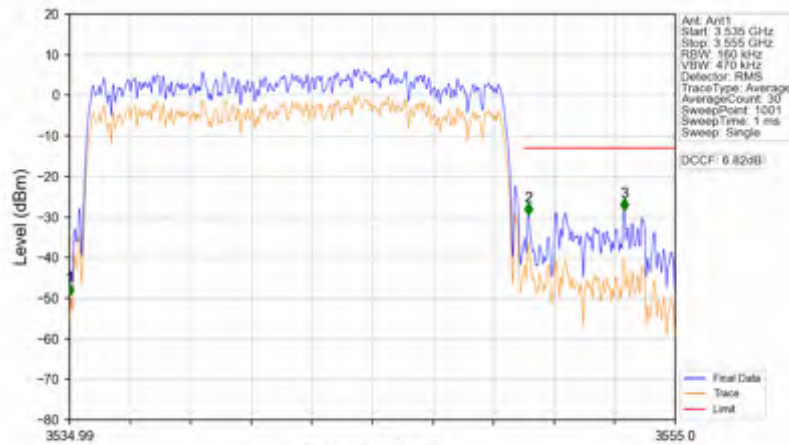
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3542.49MHz\_Edge\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3542.49MHz\_Outer\_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.99	3549.99	0.16	0	1	3534.990	-49.41	-13	Pass
3549.99	3549.99	0.16	0	2	3550.158	-29.55	-13	Pass
3549.99	3550.99	0.16	0	2	3550.158	-29.55	-13	Pass
3550.99	3554.99	0.5	4.95	3	3553.319	-28.57	-13	Pass



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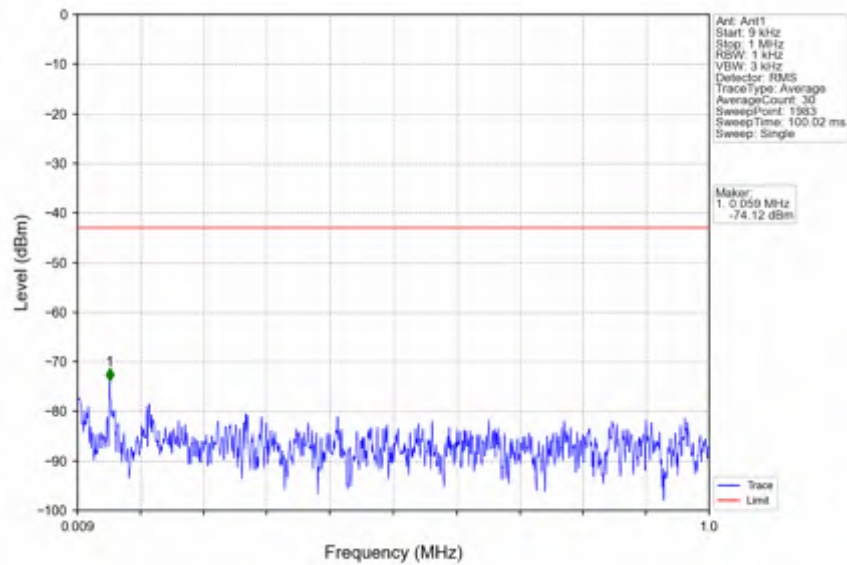
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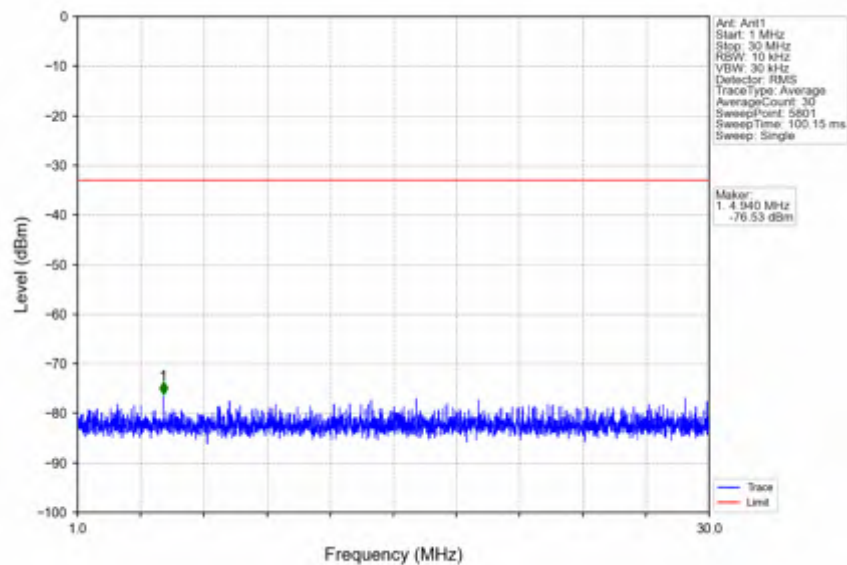
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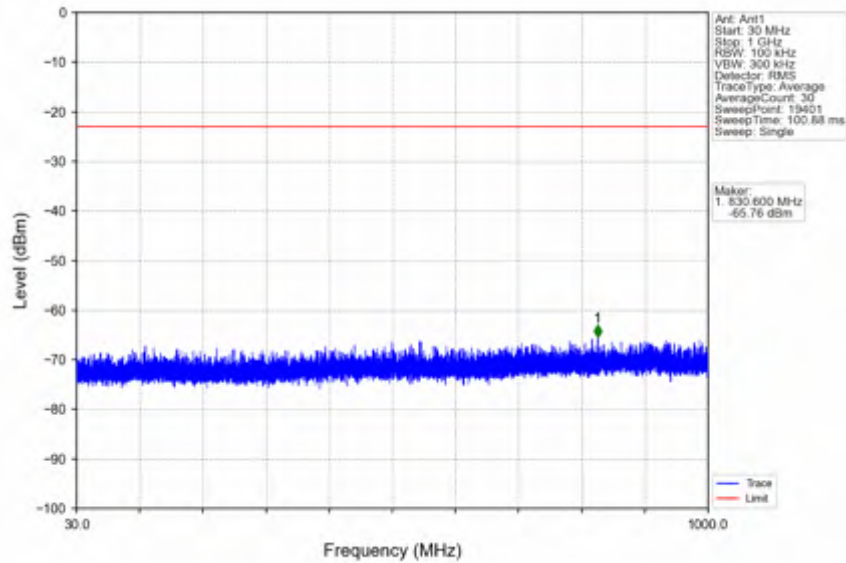
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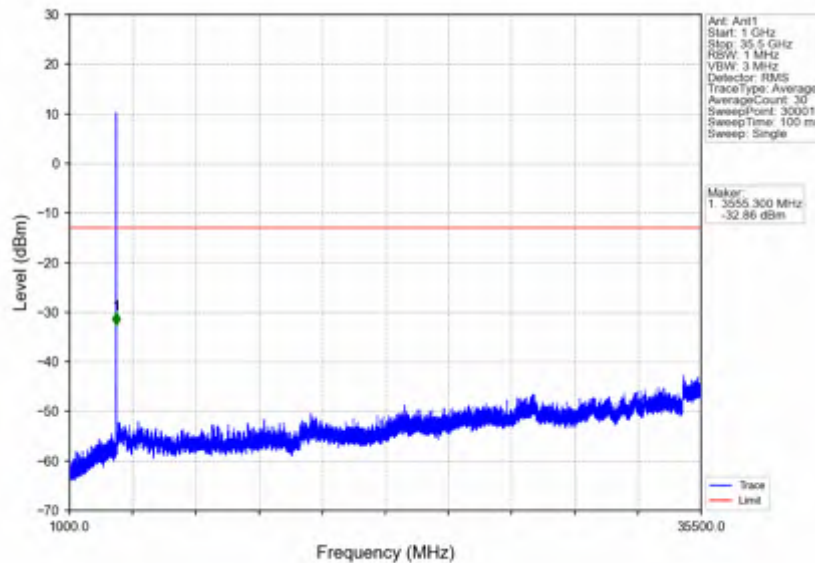
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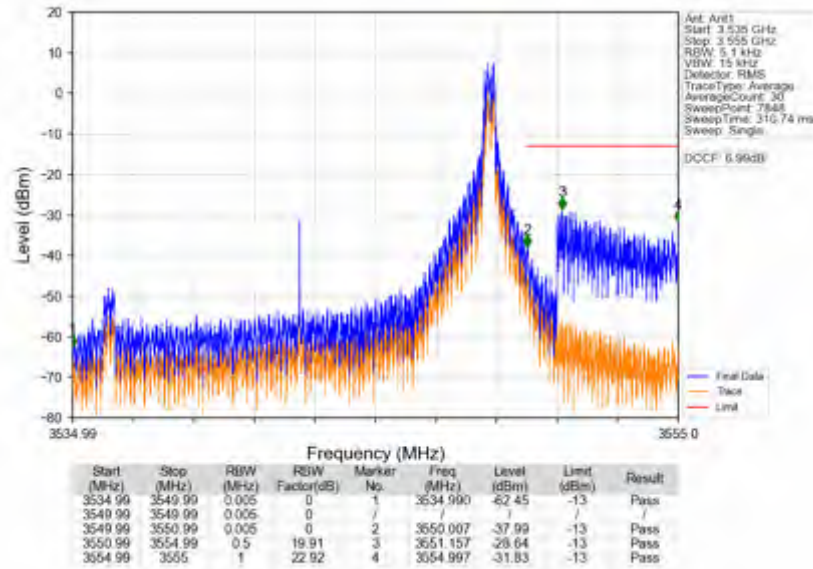
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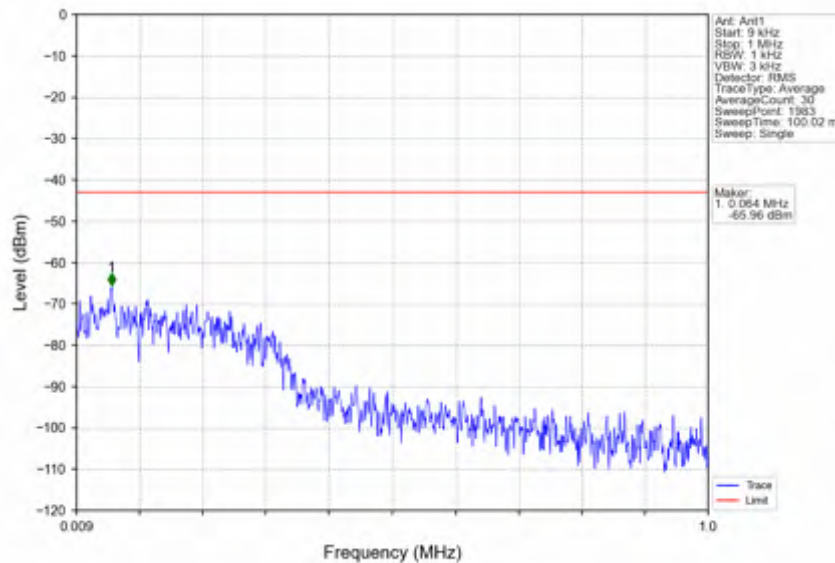
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n78e\_30kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3542.49MHz\_Inner\_1RB\_Right

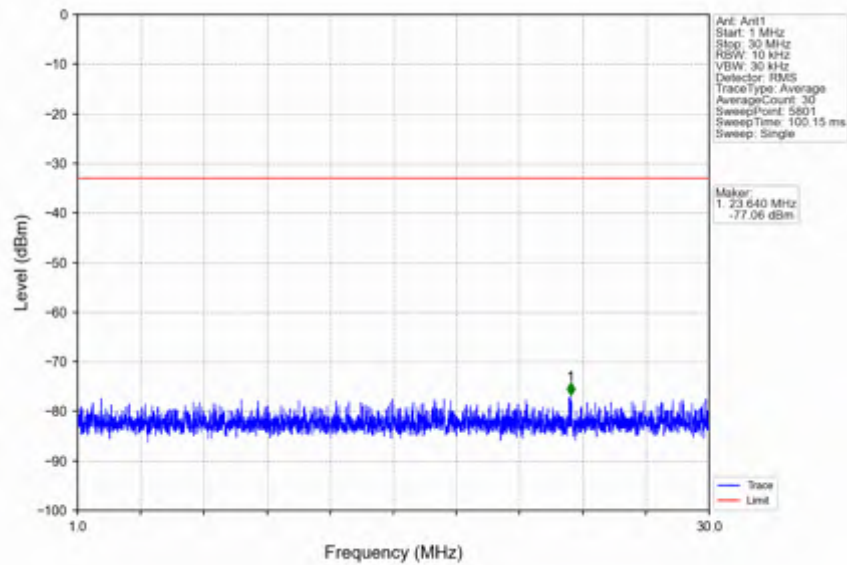


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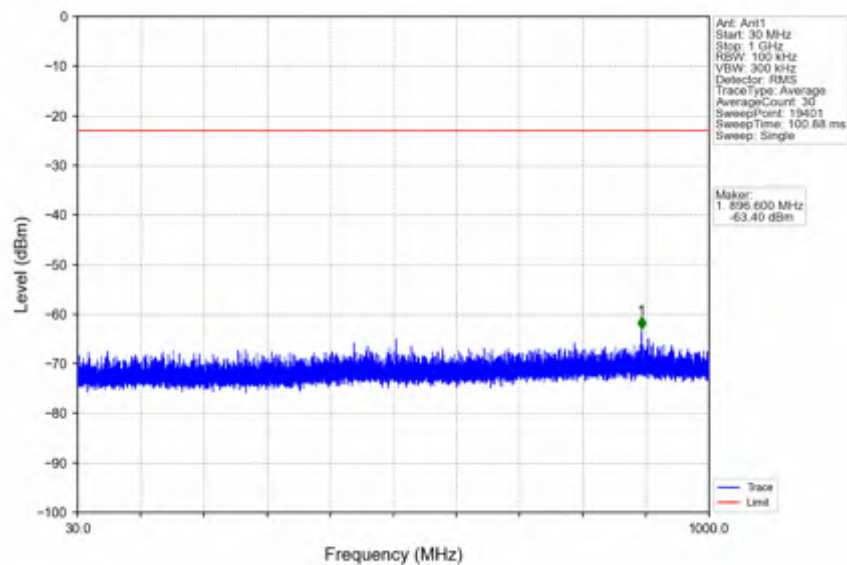
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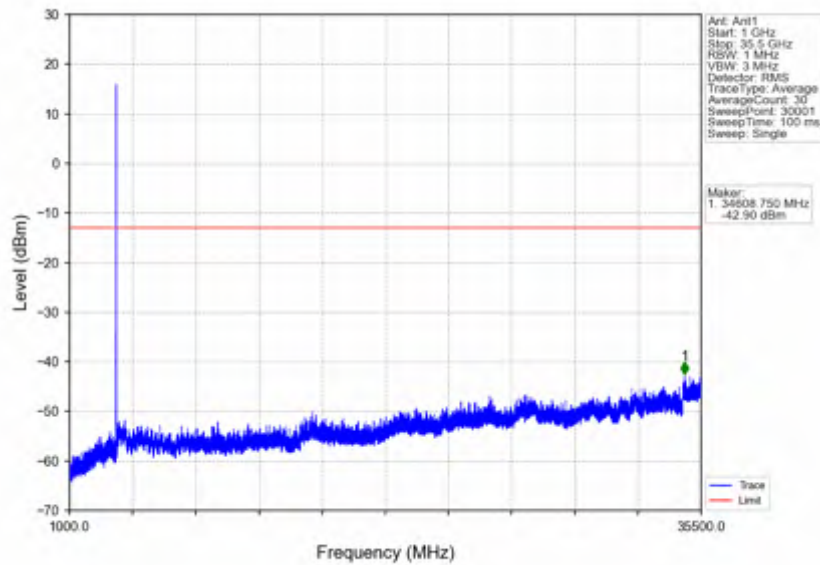
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## 9.10 30k\_SISO\_20MHz\_NTNV

### 9.10.1 Test Result

5G NR n78e SCS=30kHz SISO 20MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict	
			Ant1	Ant2	Sum		Limit
DFT-s-OFDM PI/2 BPSK	3460.02	Edge_1RB_Left	Refer To Test Graph			Pass	
		Outer_Full	Refer To Test Graph			Pass	
		Inner_1RB_Left	Refer To Test Graph			Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph			Pass	
		3540	Edge_1RB_Right	Refer To Test Graph			Pass
			Outer_Full	Refer To Test Graph			Pass
DFT-s-OFDM QPSK	3460.02	Edge_1RB_Left	Refer To Test Graph			Pass	
		Outer_Full	Refer To Test Graph			Pass	
		Inner_1RB_Left	Refer To Test Graph			Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph			Pass	
		3540	Edge_1RB_Right	Refer To Test Graph			Pass
			Outer_Full	Refer To Test Graph			Pass
CP-OFDM QPSK	3460.02	Edge_1RB_Left	Refer To Test Graph			Pass	
		Outer_Full	Refer To Test Graph			Pass	
		Inner_1RB_Left	Refer To Test Graph			Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph			Pass	
		3540	Edge_1RB_Right	Refer To Test Graph			Pass
			Outer_Full	Refer To Test Graph			Pass
3540	Inner_1RB_Right	Refer To Test Graph			Pass		



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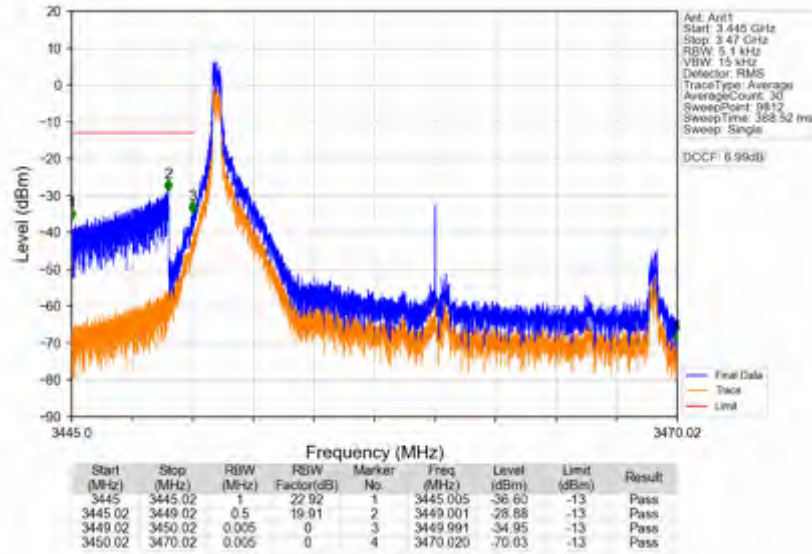
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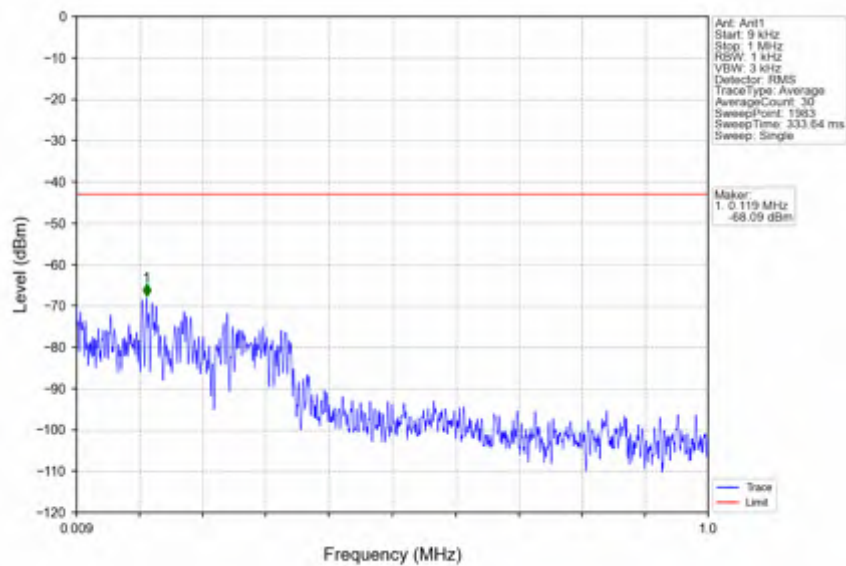
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## 9.10.2 Test Graph

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n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3460.02MHz\_Edge\_1RB\_Left

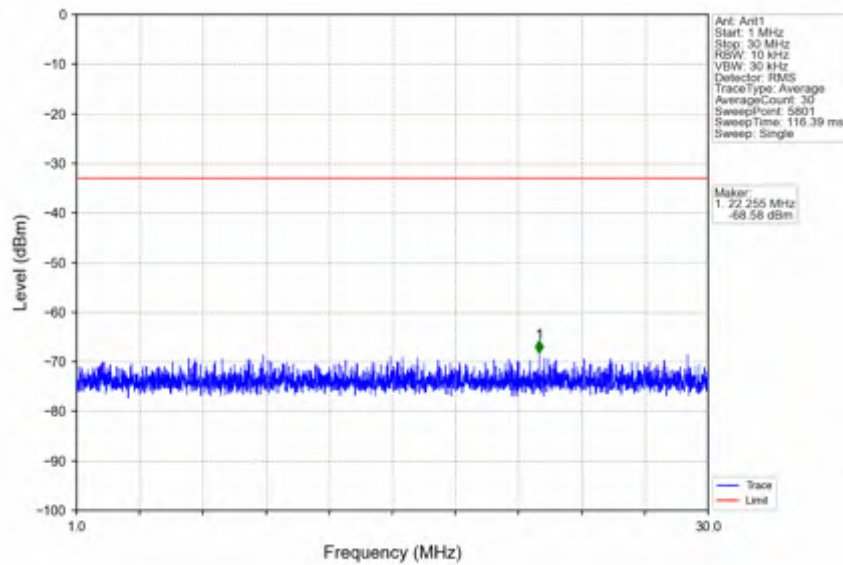


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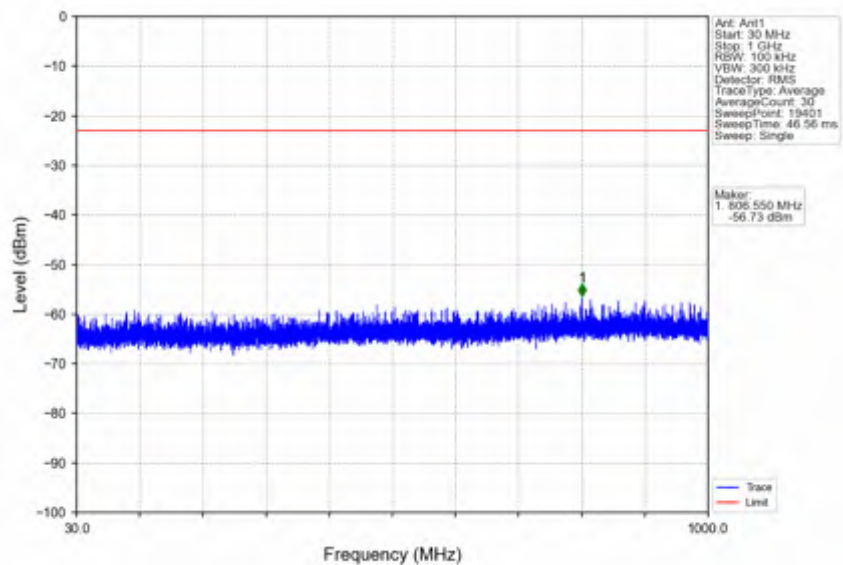
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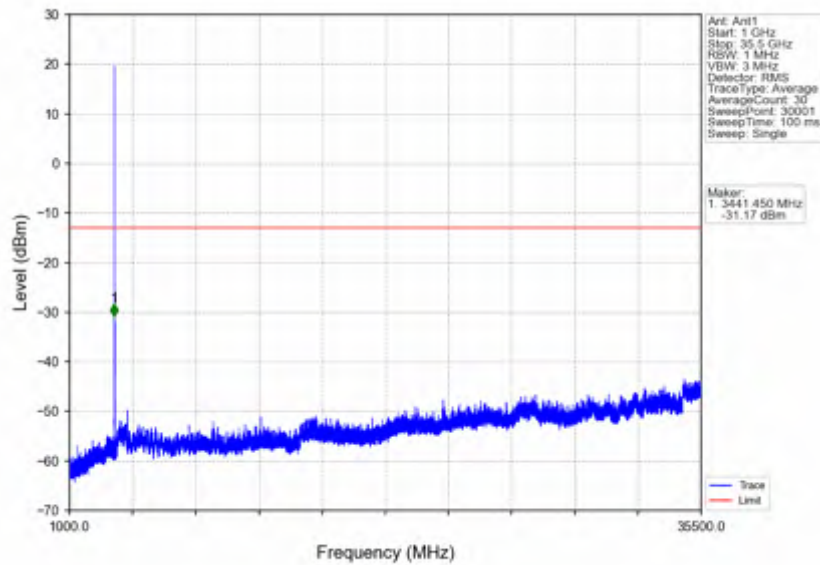
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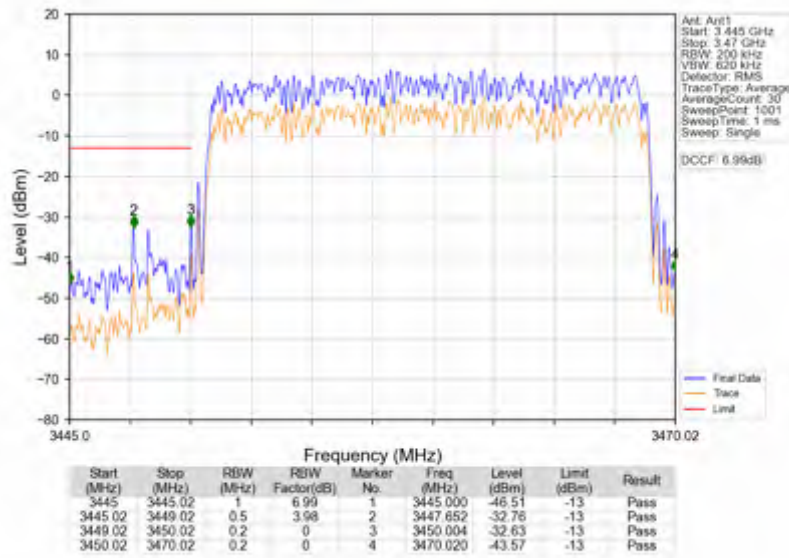
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