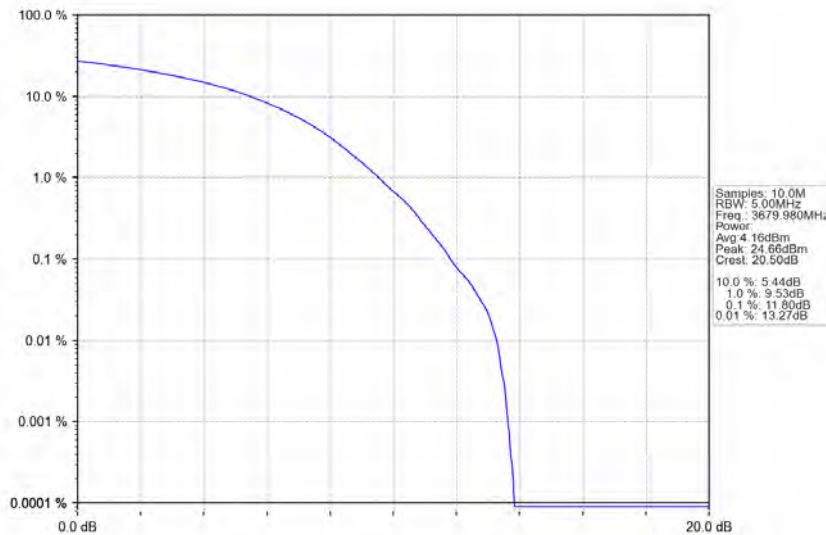


n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM_256_QAM_3679.98MHz_Outer_Full



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6. Spurious Emission

6.1 30k_MIMO_10MHz_NTNV

6.1.1 Test Result

5G NR n48 SCS=30kHz MIMO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant1	Ant2	Sum	
CP-OFDM QPSK	3555	Edge_1RB_Left	Refer To Test Graph			Pass
			Refer To Test Graph			Pass
			Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
			Refer To Test Graph			Pass
			Refer To Test Graph			Pass
	3694.98	Inner_1RB_Left	Refer To Test Graph			Pass
			Refer To Test Graph			Pass
			Refer To Test Graph			Pass
		Edge_1RB_Right	Refer To Test Graph			Pass
			Refer To Test Graph			Pass
			Refer To Test Graph			Pass
	Outer_Full	Refer To Test Graph			Pass	
		Refer To Test Graph			Pass	
		Refer To Test Graph			Pass	
	Inner_1RB_Right	Refer To Test Graph			Pass	
Refer To Test Graph			Pass			

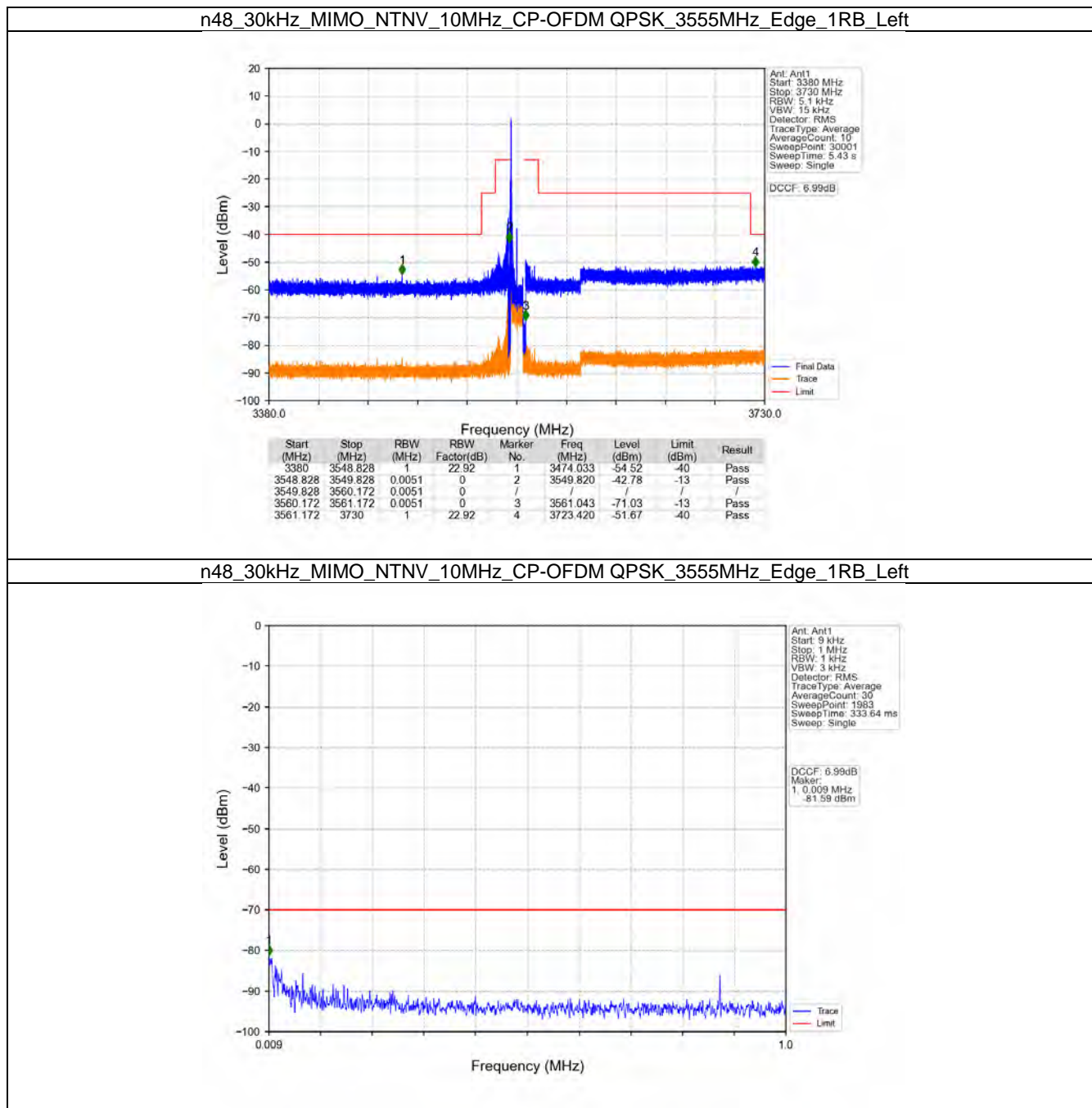


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6.1.2 Test Graph



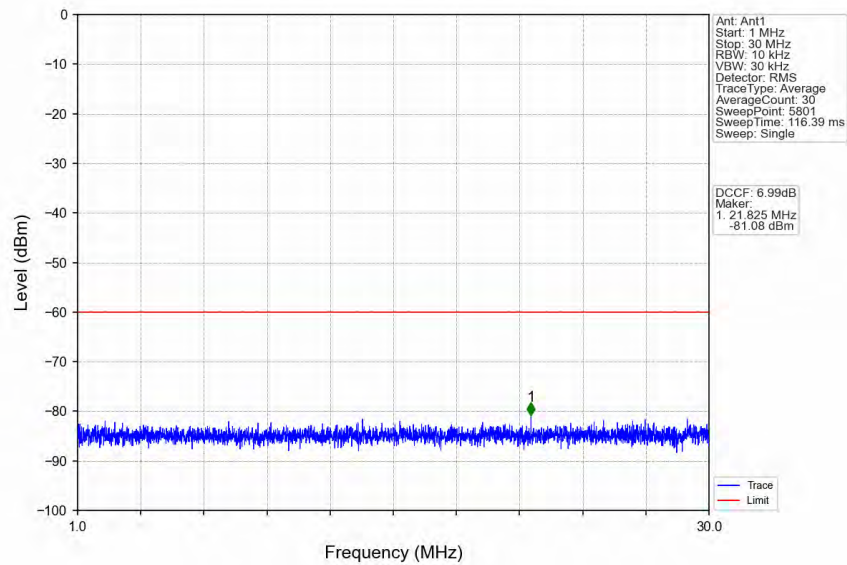
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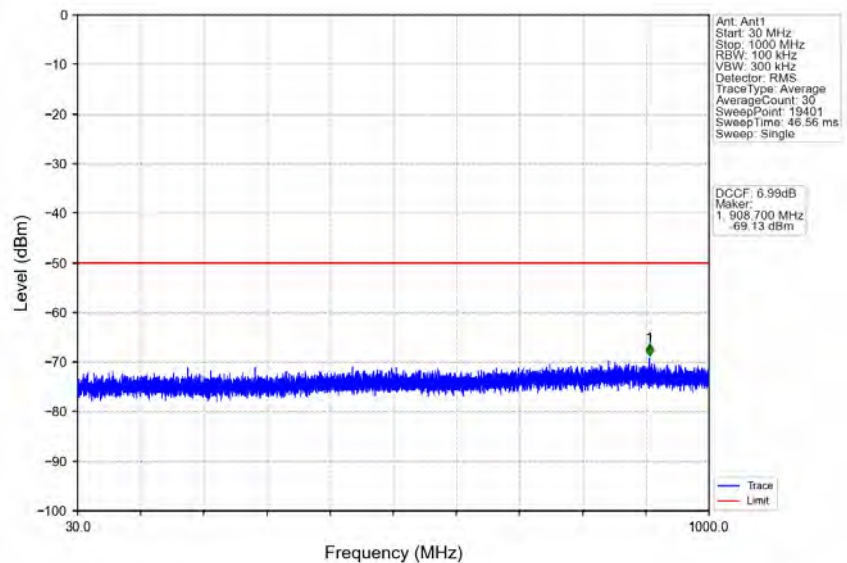
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3555MHz_Edge_1RB_Left



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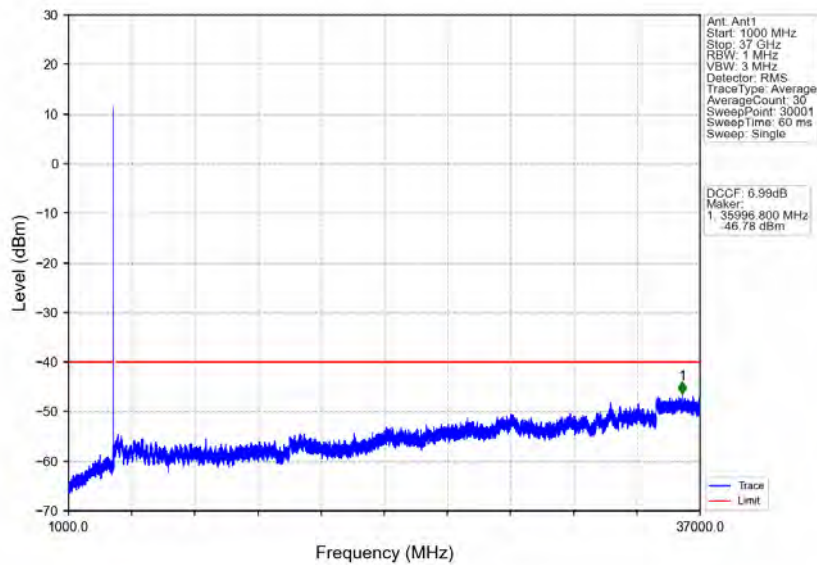
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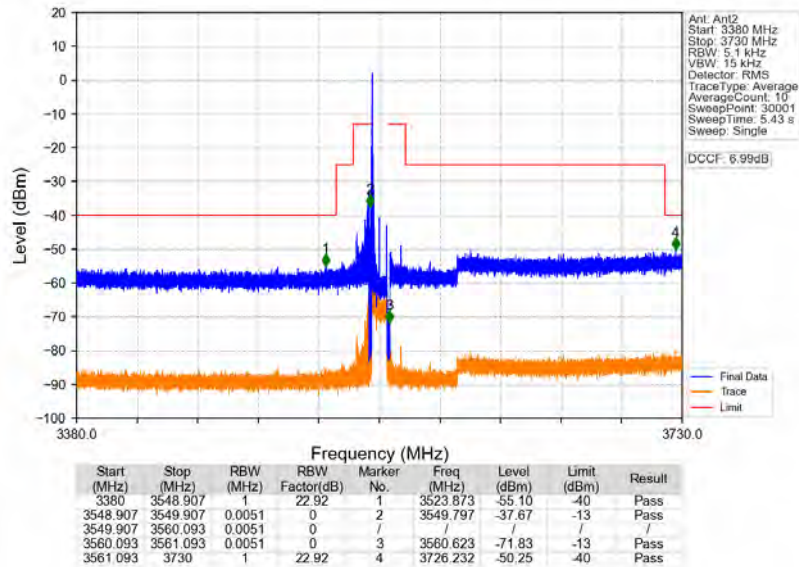
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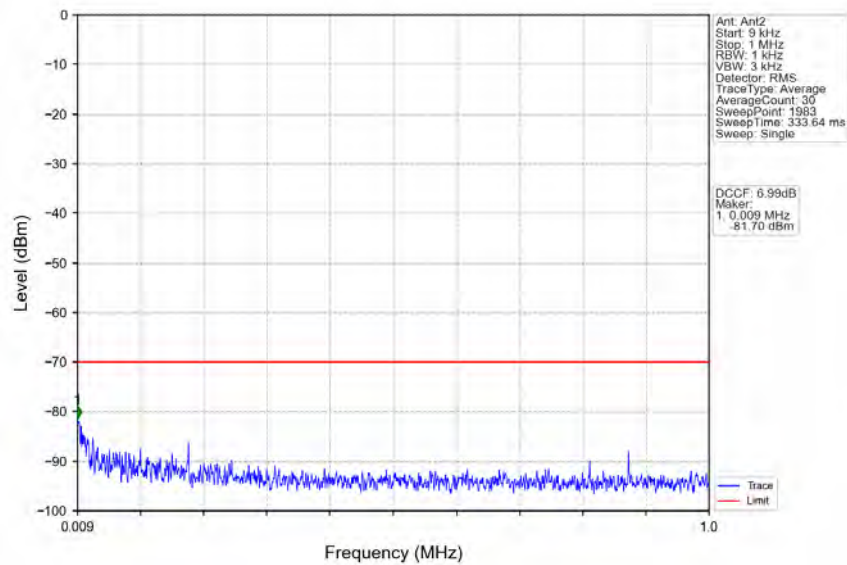
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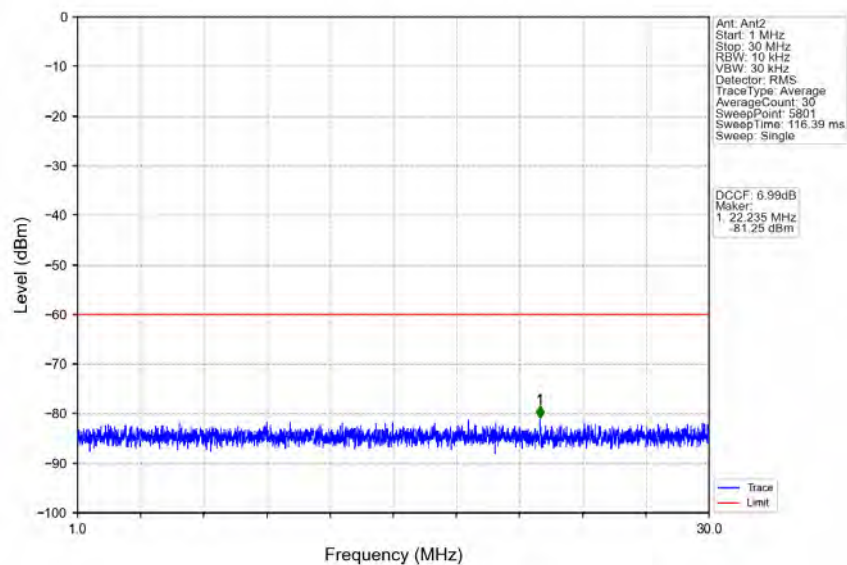
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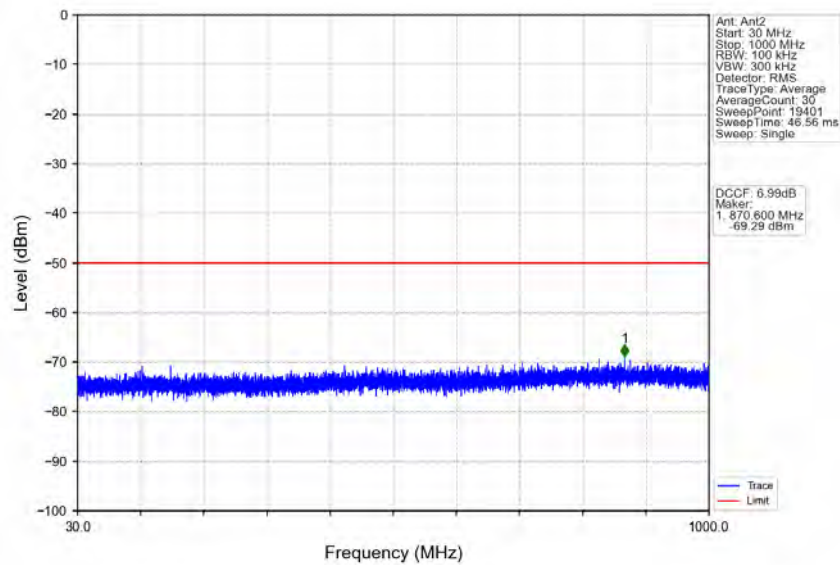
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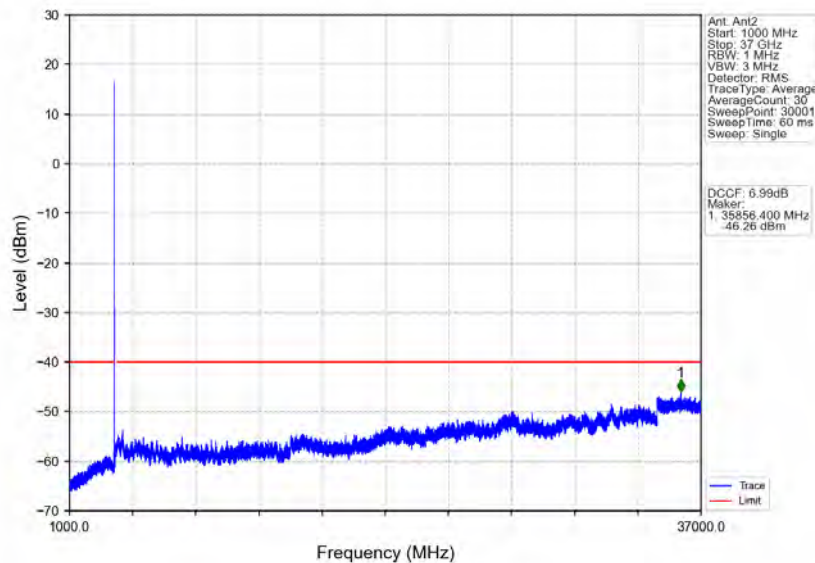
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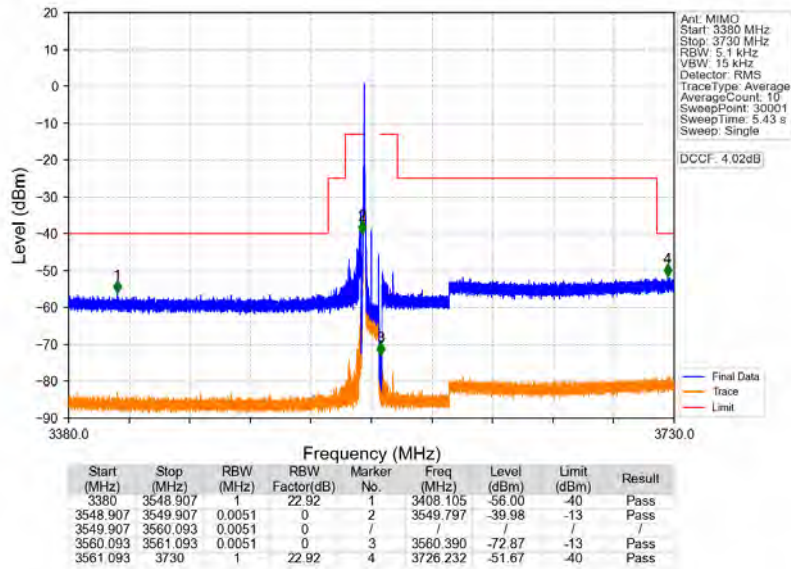
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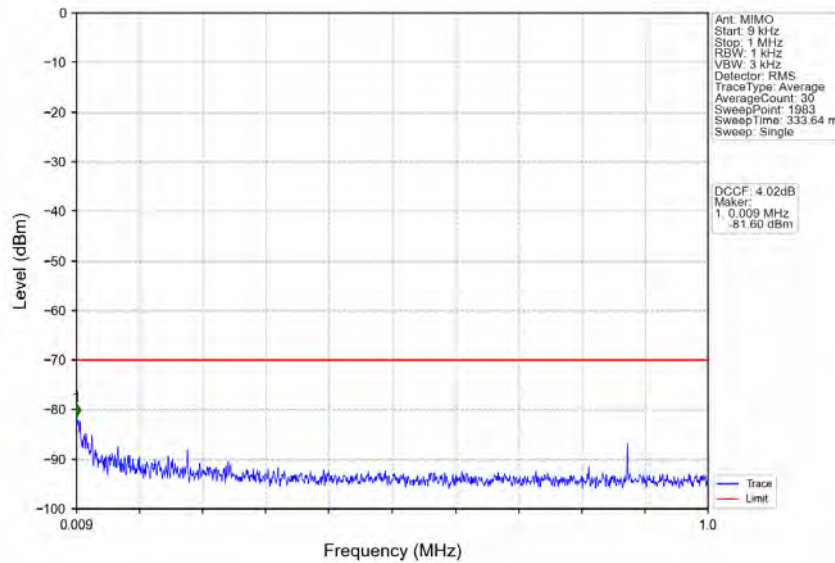
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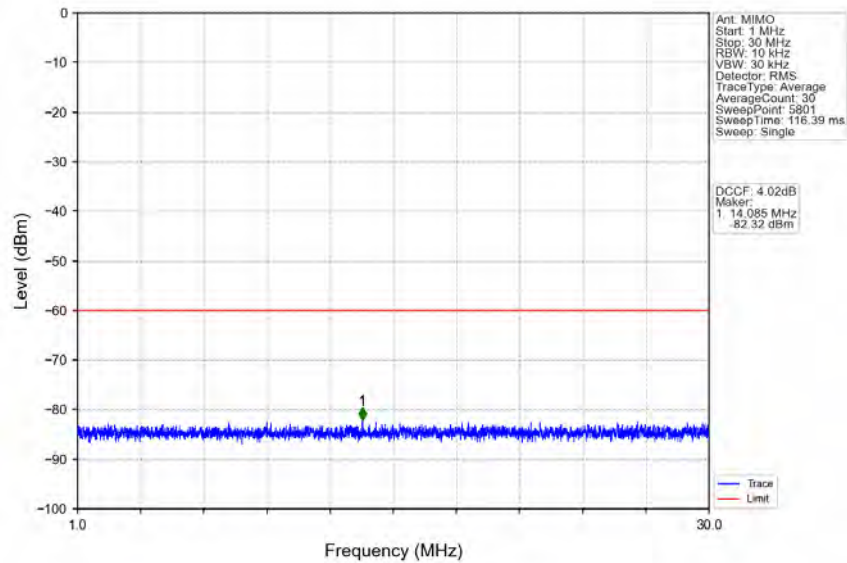
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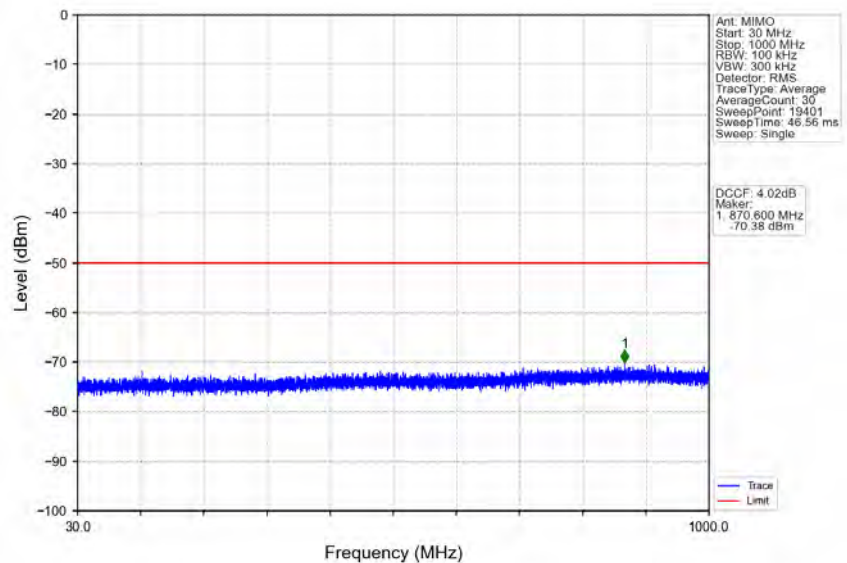
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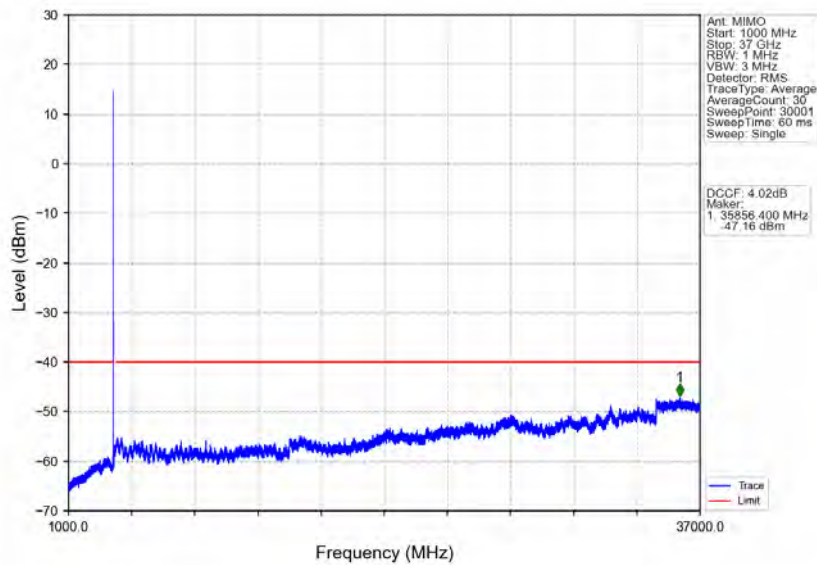
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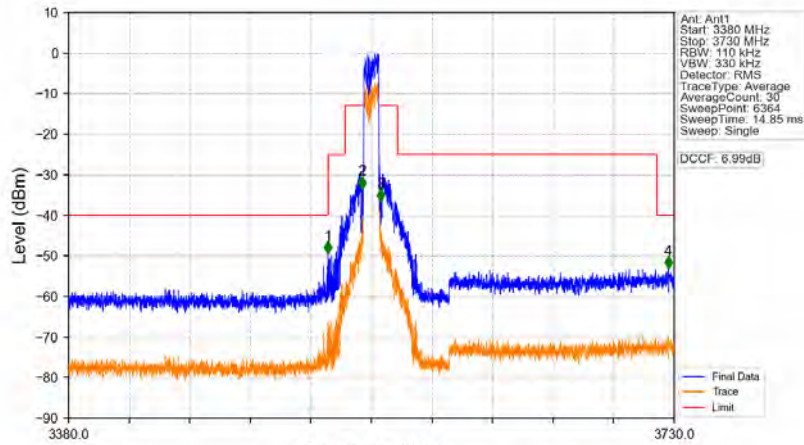
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3380	3548.828	1	9.59	1	3529.945	-49.50	-40	Pass
3548.828	3549.828	0.11	0	2	3549.527	-33.48	-13	Pass
3549.828	3560.172	0.11	0	3	3560.308	-36.61	-13	Pass
3560.172	3561.172	0.11	0	3	3560.308	-36.61	-13	Pass
3561.172	3730	1	9.59	4	3726.645	-53.16	-40	Pass



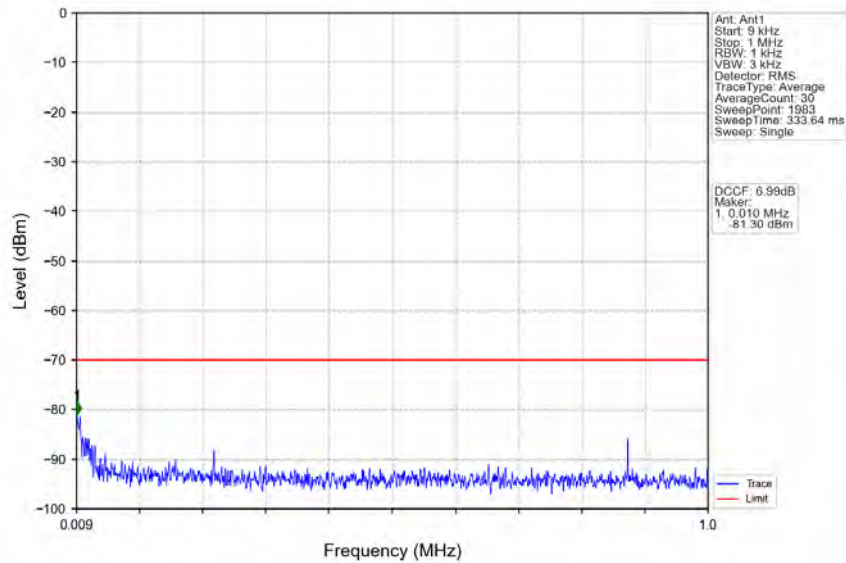
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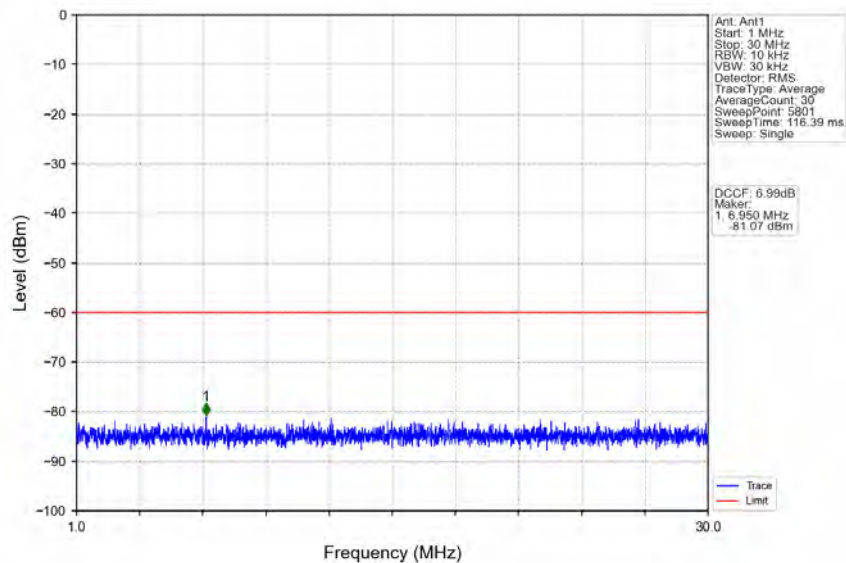
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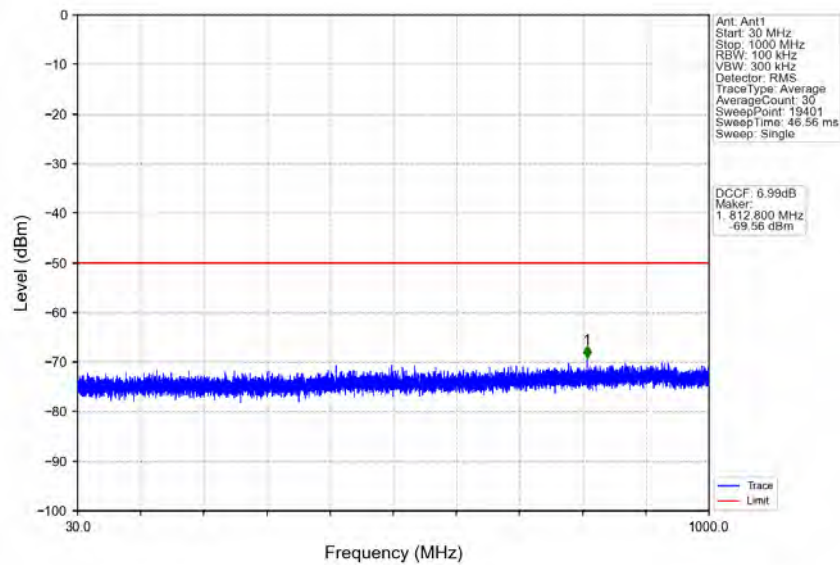
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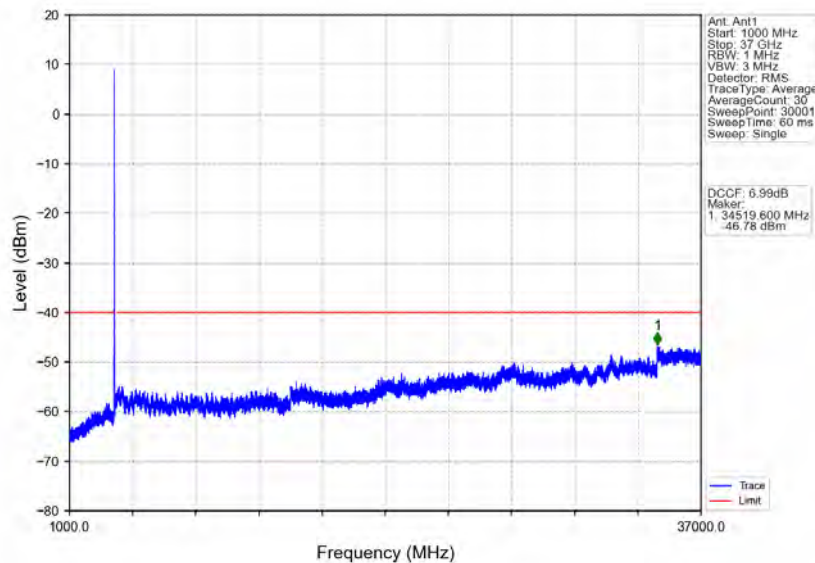
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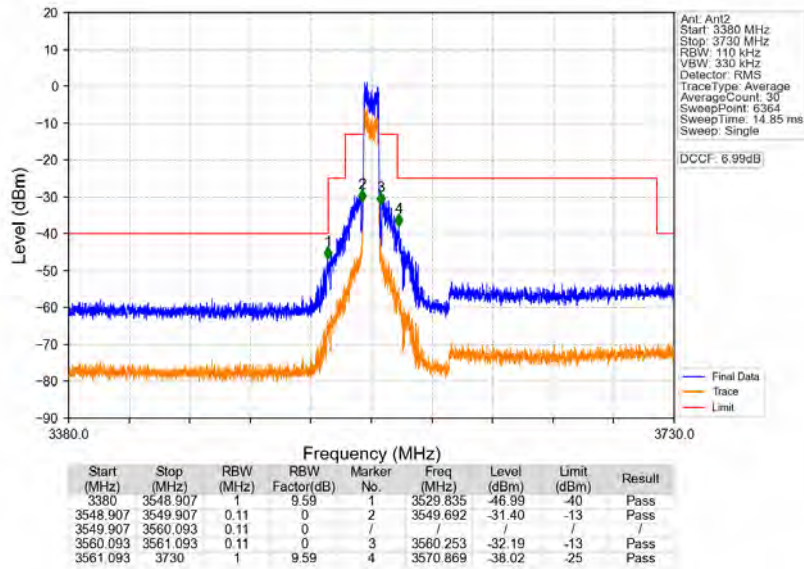
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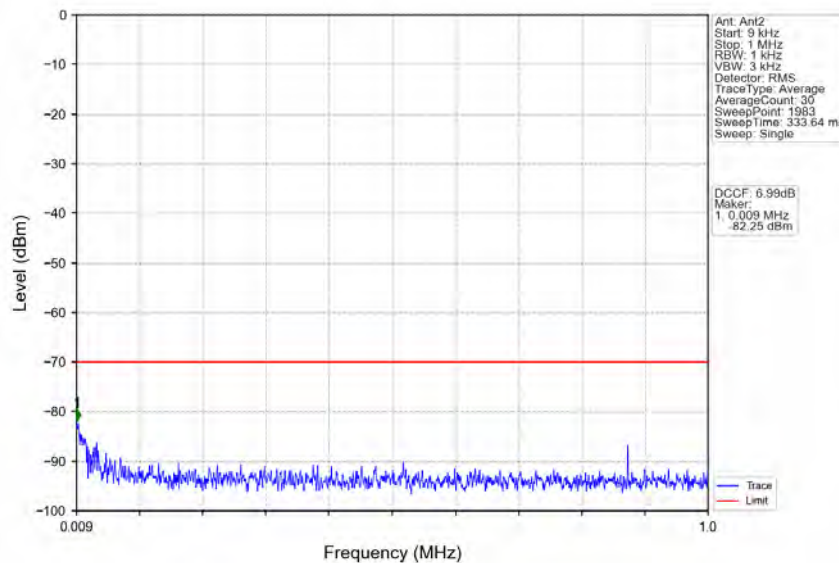
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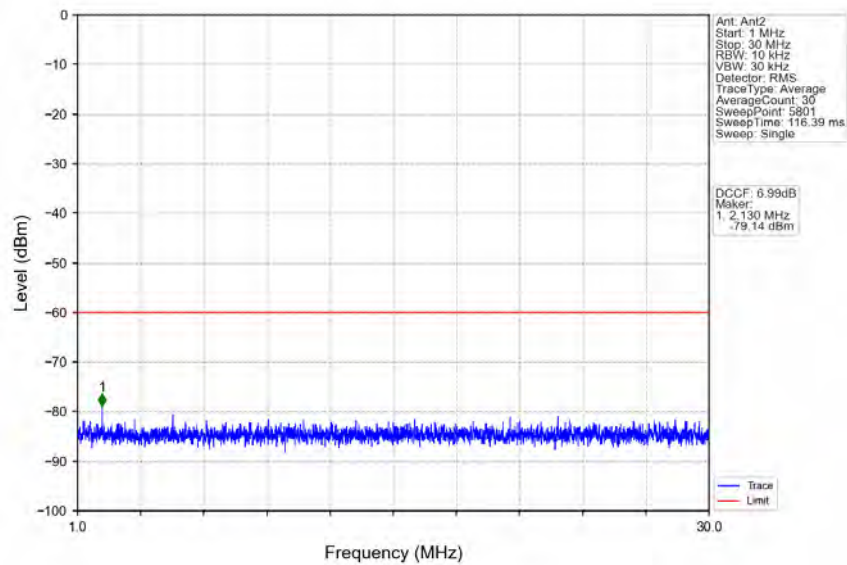
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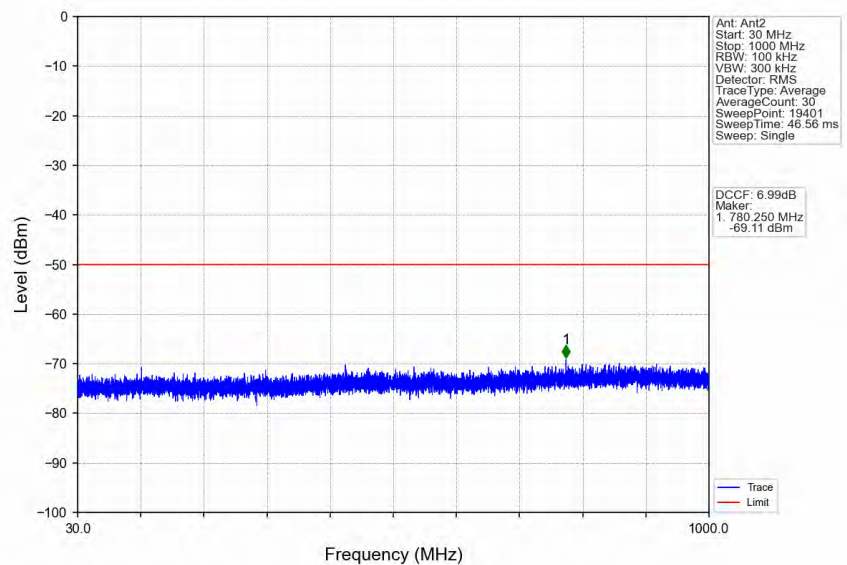
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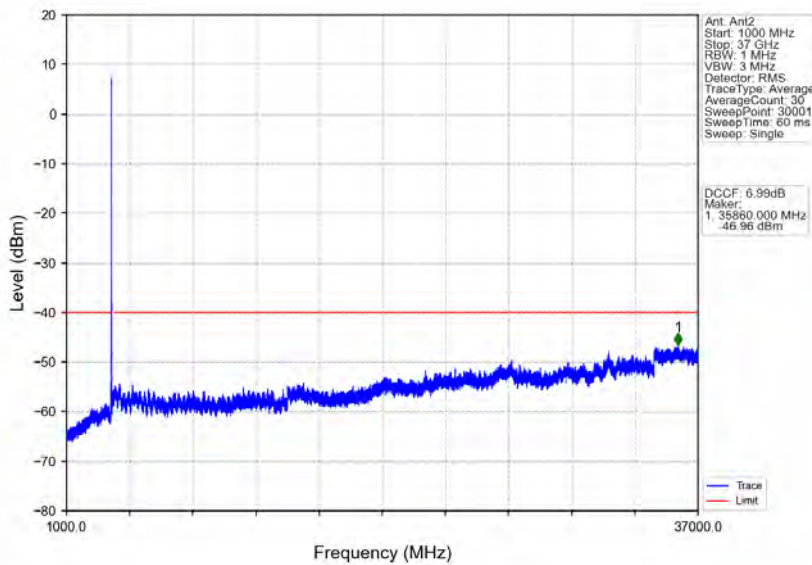
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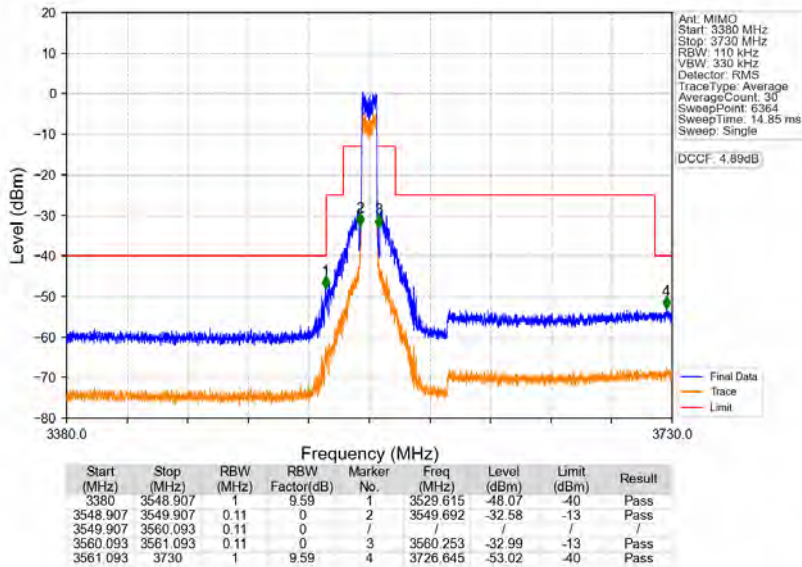
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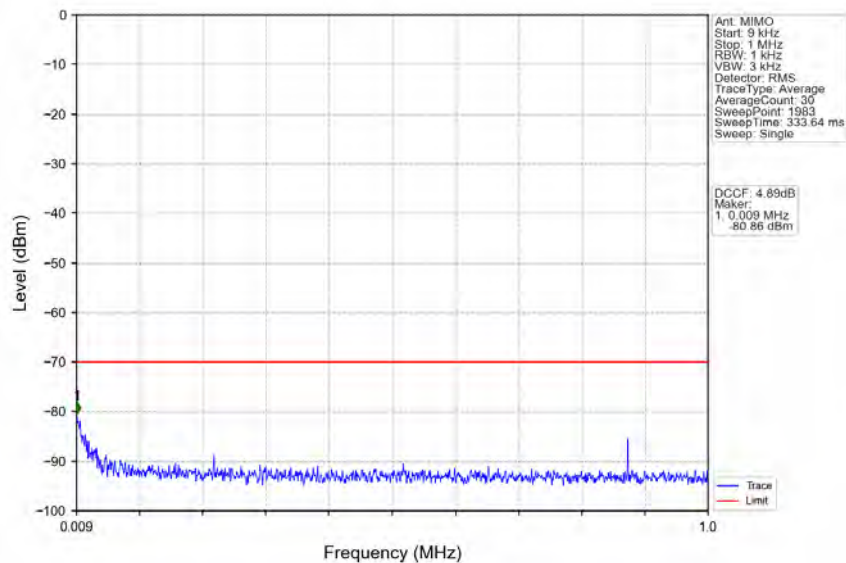
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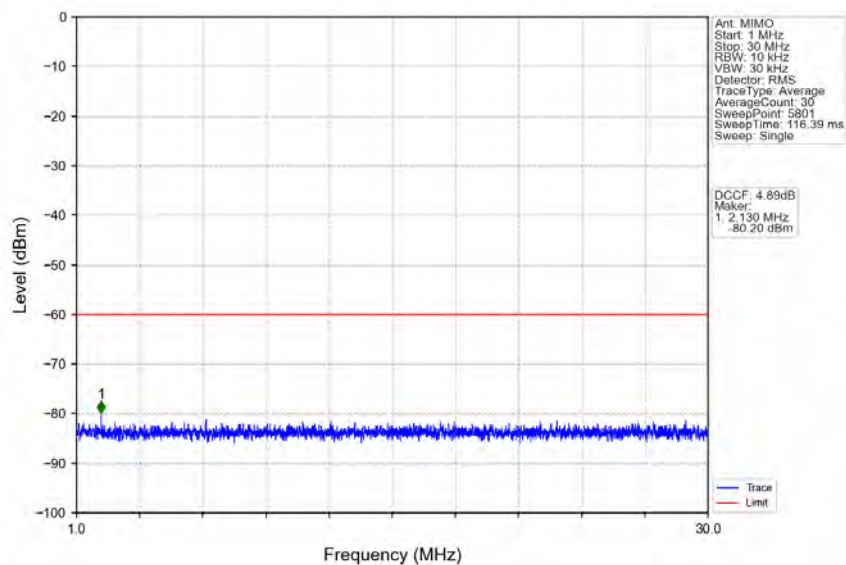
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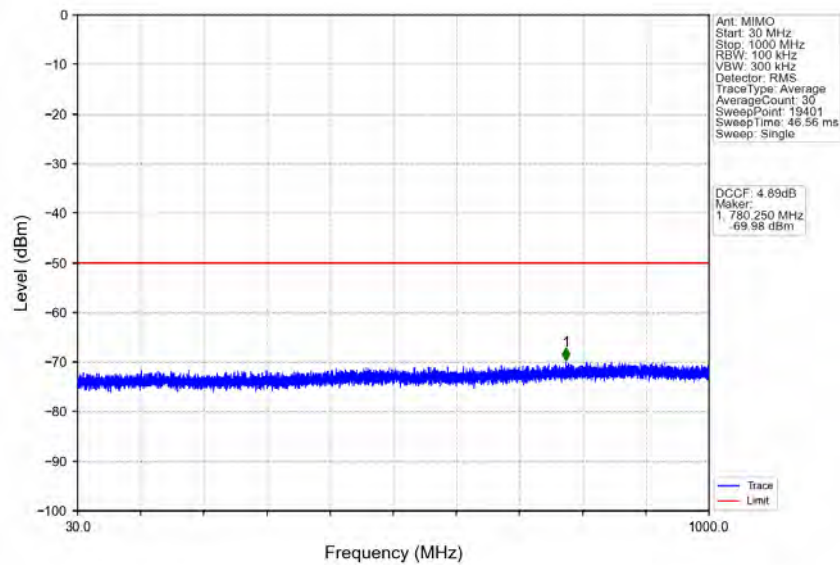
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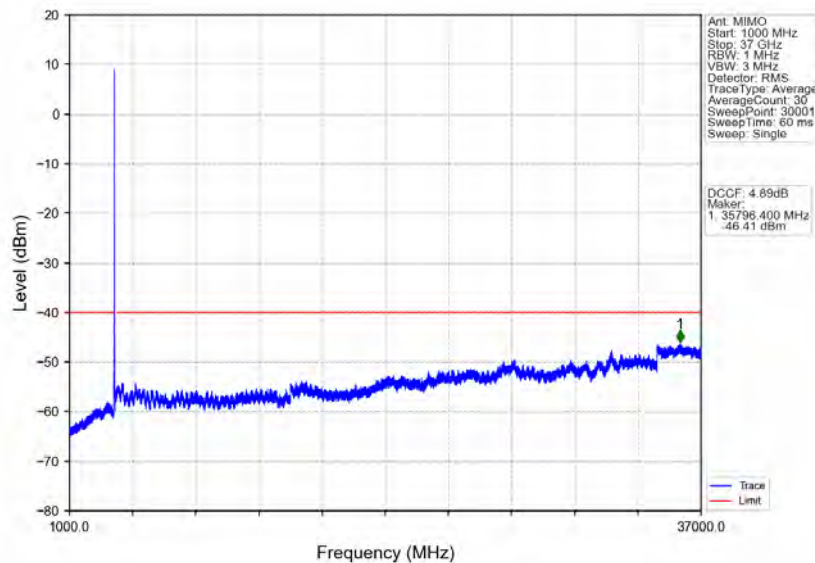
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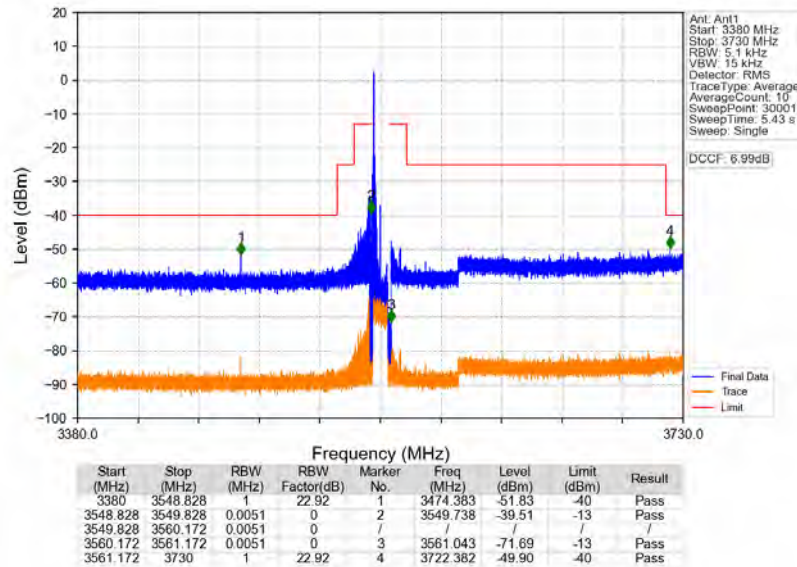
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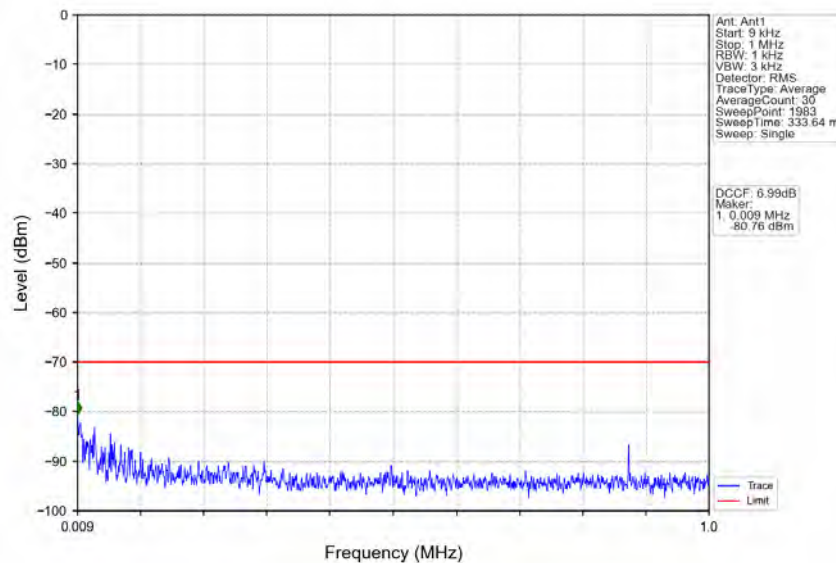
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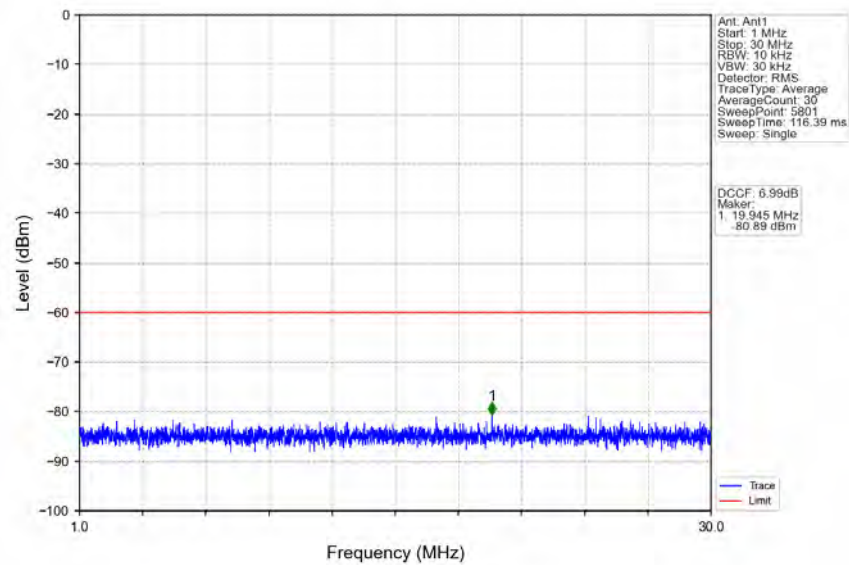
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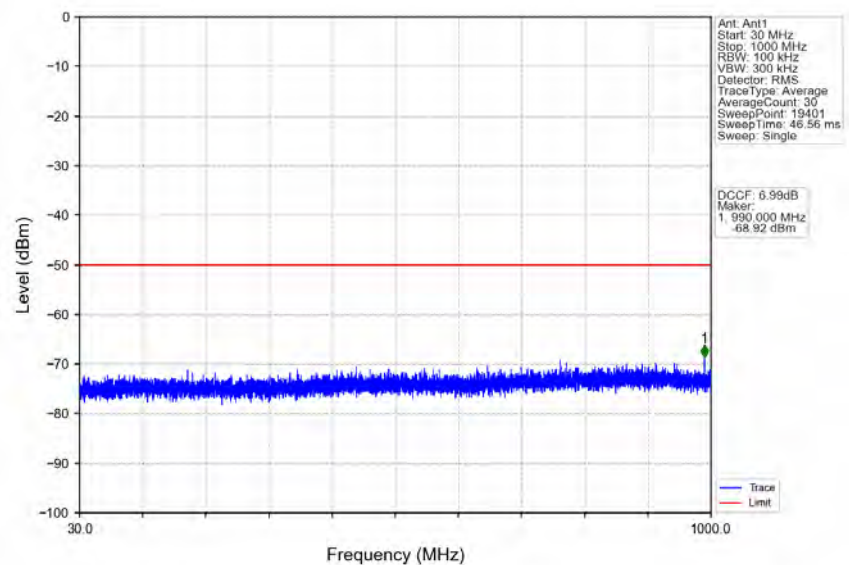
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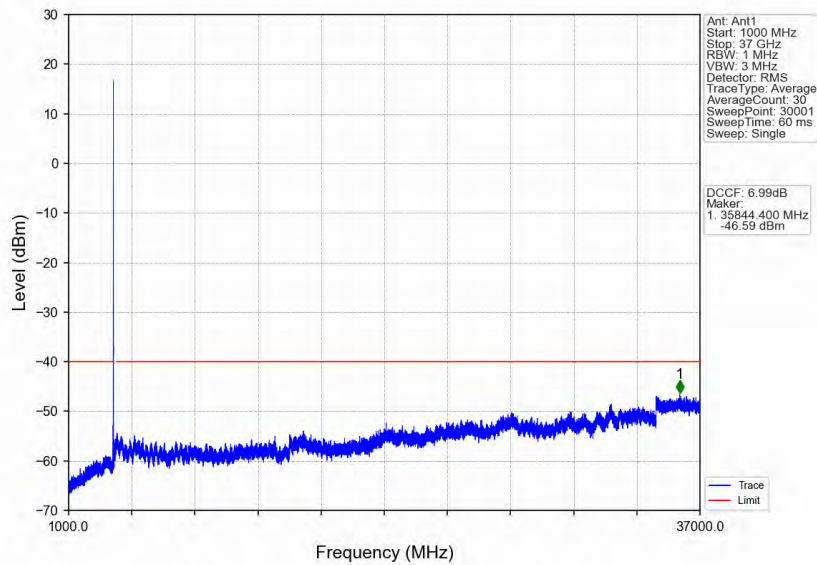
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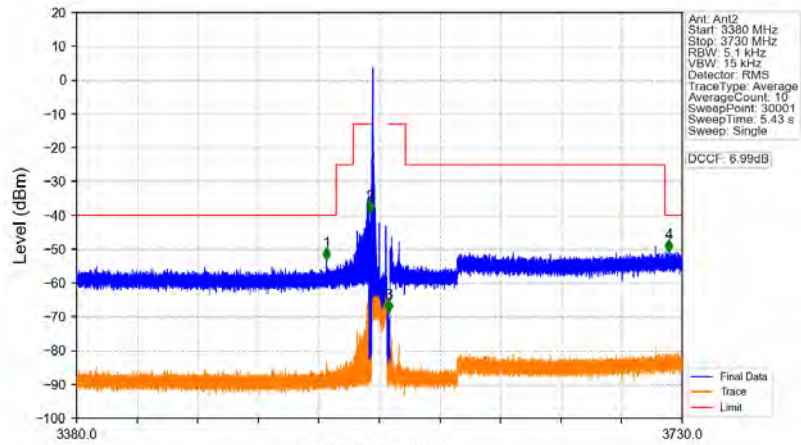
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3380	3548.907	1	22.92	1	3524.480	-53.31	-40	Pass
3548.907	3549.907	0.0051	0	2	3549.820	-39.55	-13	Pass
3549.907	3560.093	0.0051	0	/	/	/	/	/
3560.093	3561.093	0.0051	0	3	3560.215	-68.73	-13	Pass
3561.093	3730	1	22.92	4	3722.335	-50.91	-40	Pass



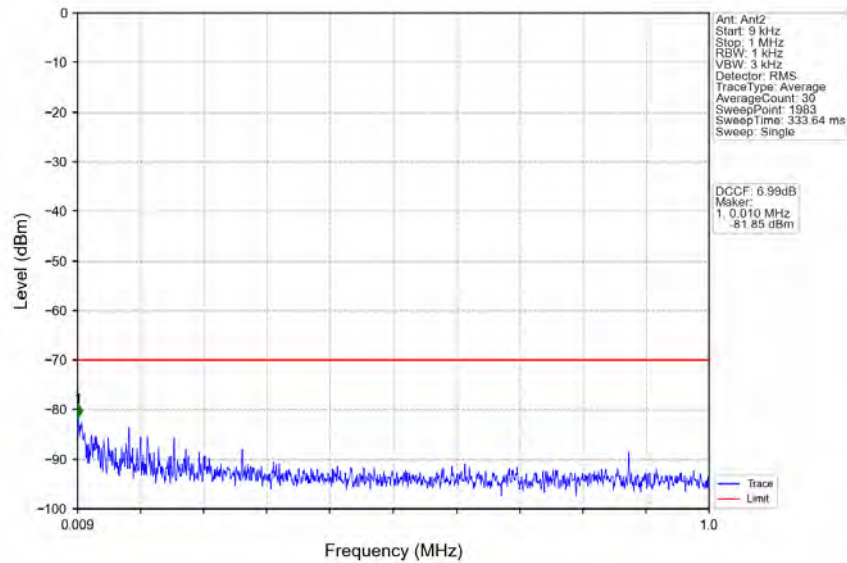
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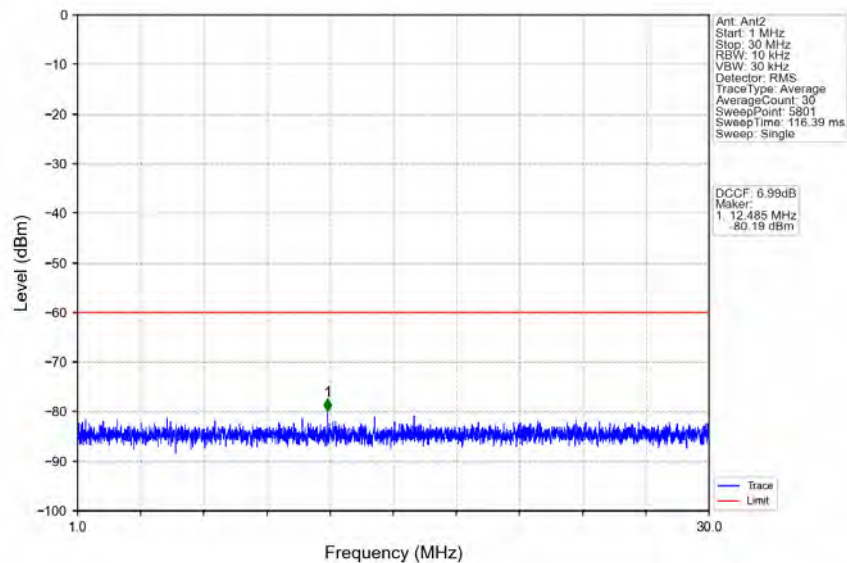
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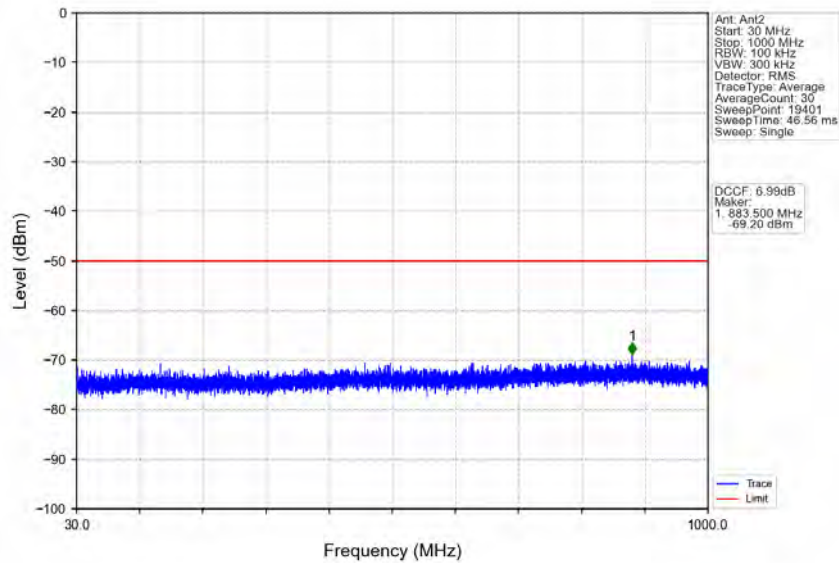
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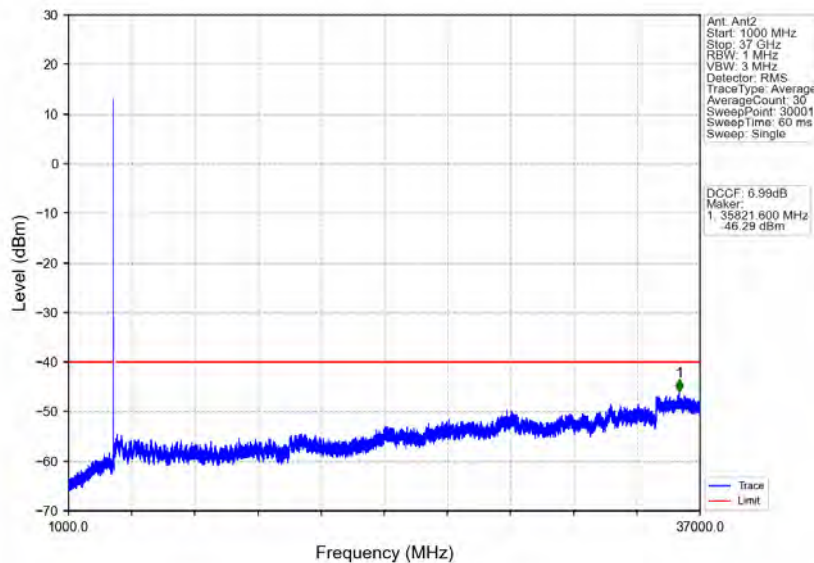
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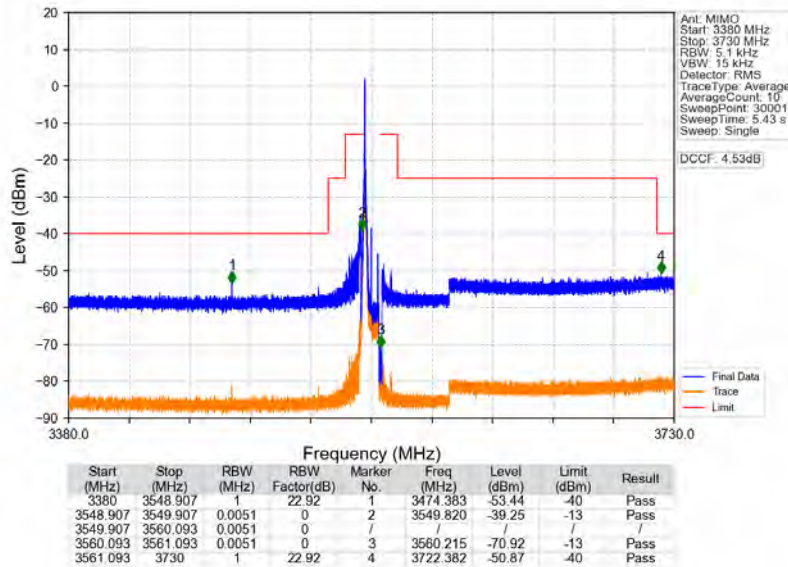
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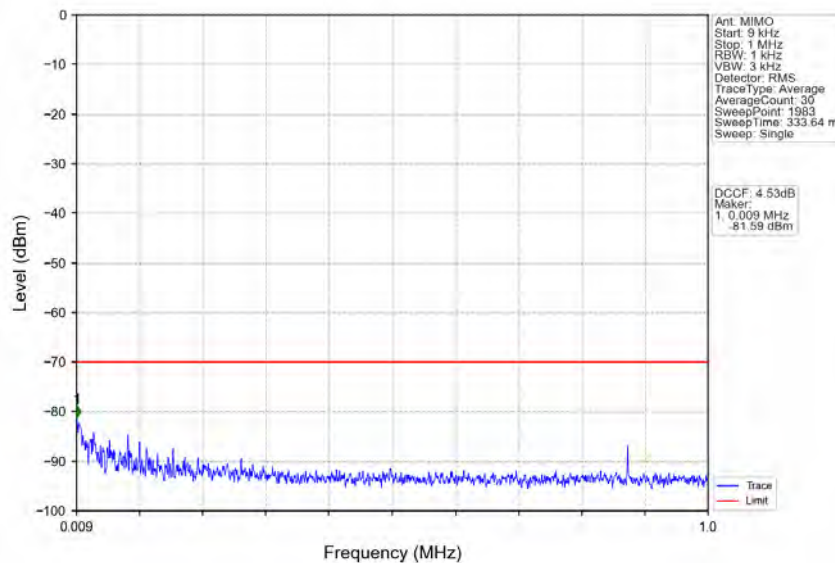
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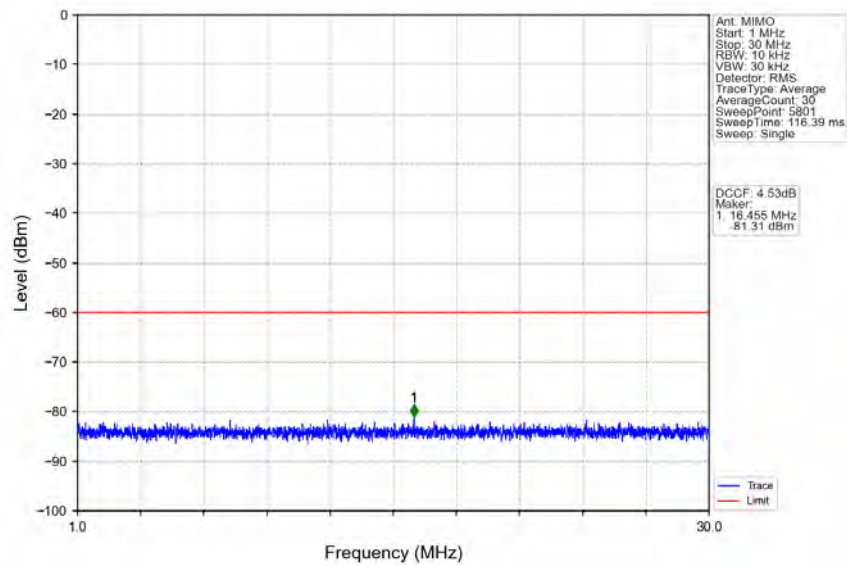
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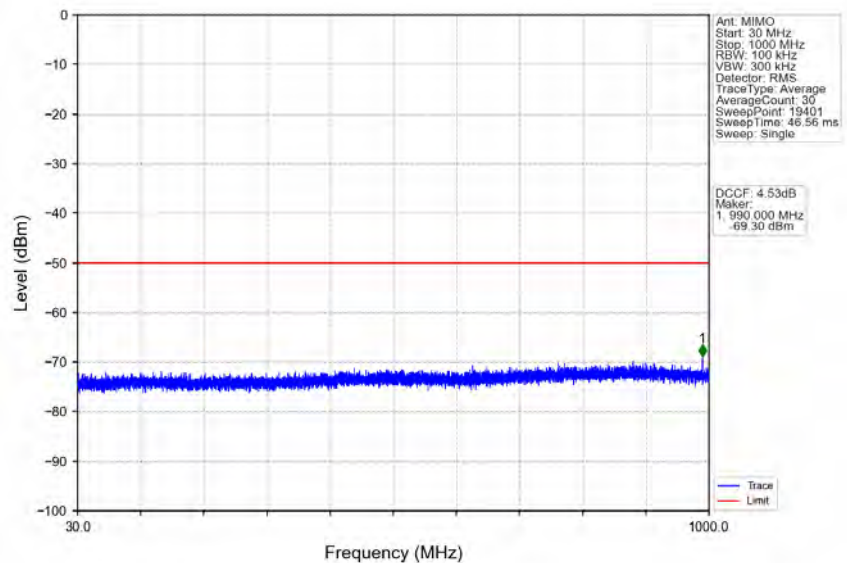


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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3555MHz_Inner_1RB_Left



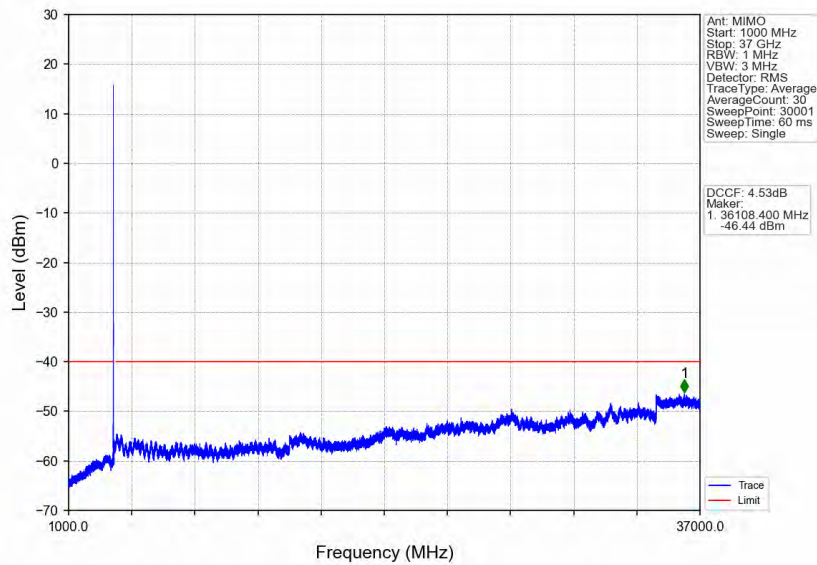
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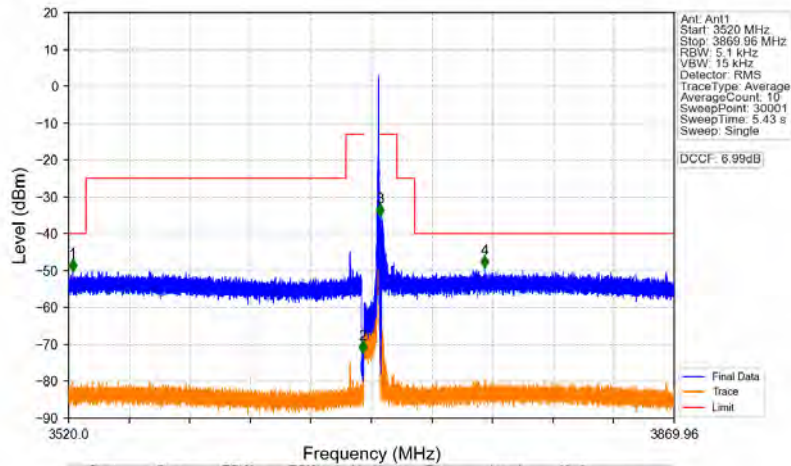
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3694.98MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.24	1	22.92	1	3522.415	-50.19	-40	Pass
3689.24	3690.24	0.0051	0	2	3690.197	-72.35	-13	Pass
3690.24	3699.721	0.0051	0	3	3699.879	-35.35	-13	Pass
3699.721	3700.721	0.0051	0	4	3760.493	-49.21	-40	Pass



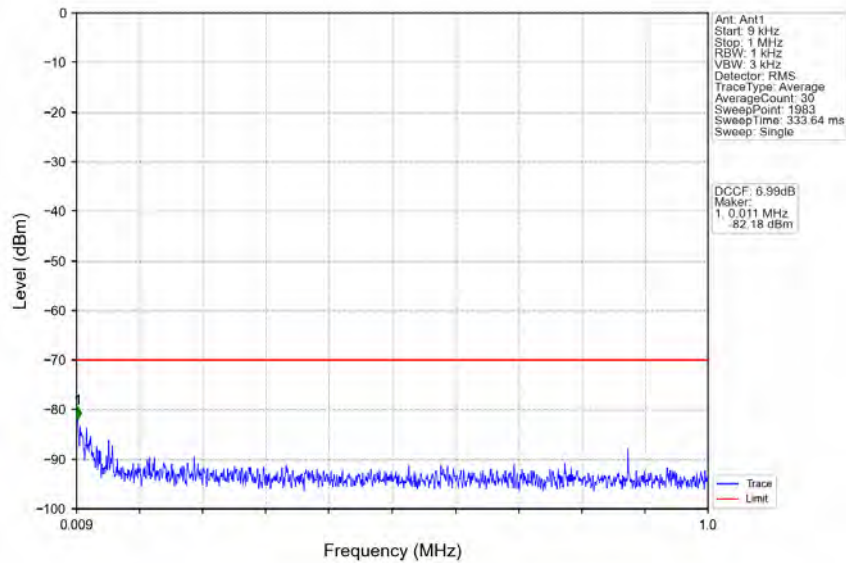
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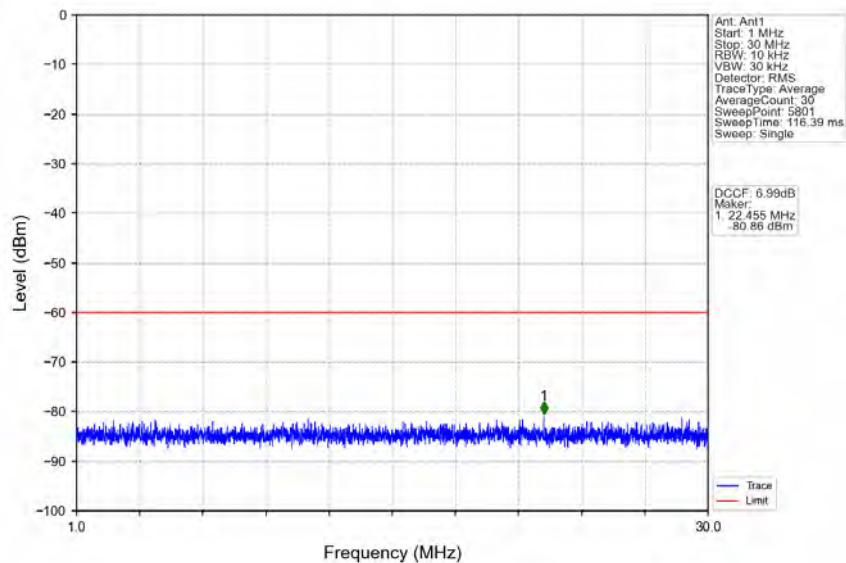
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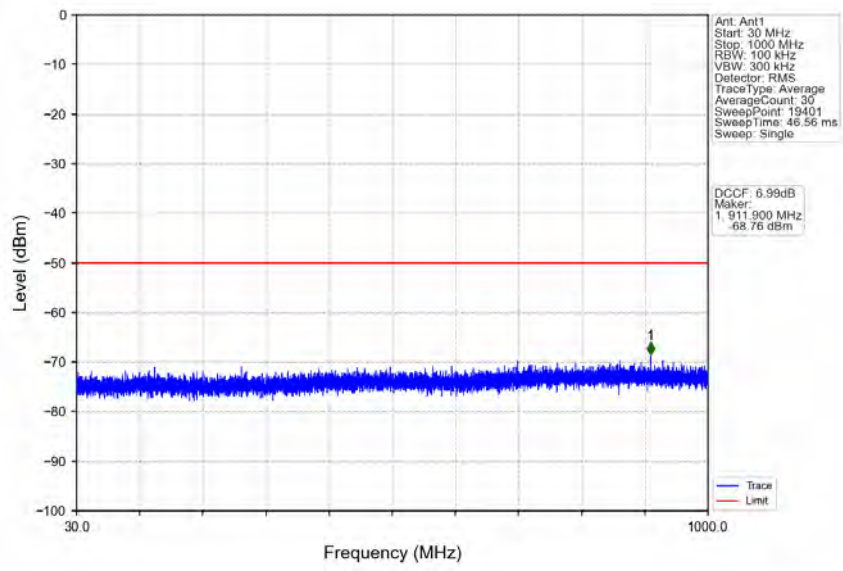
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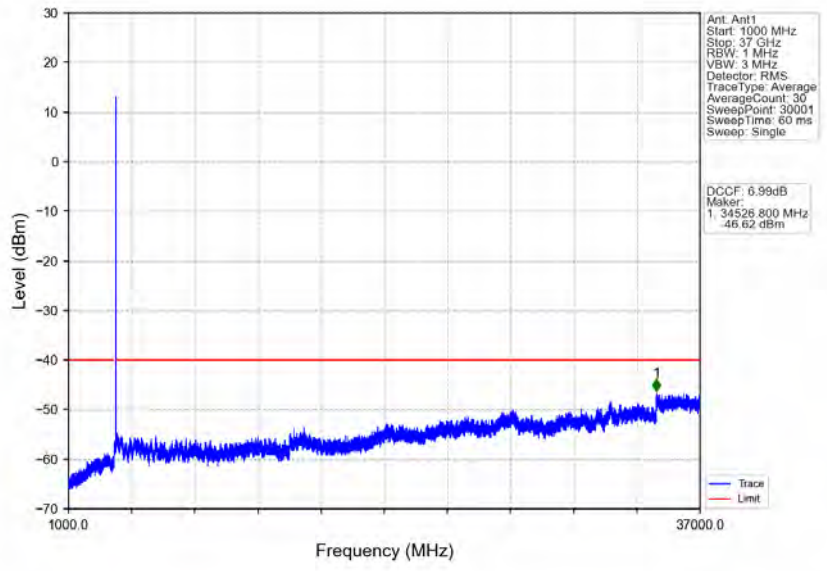
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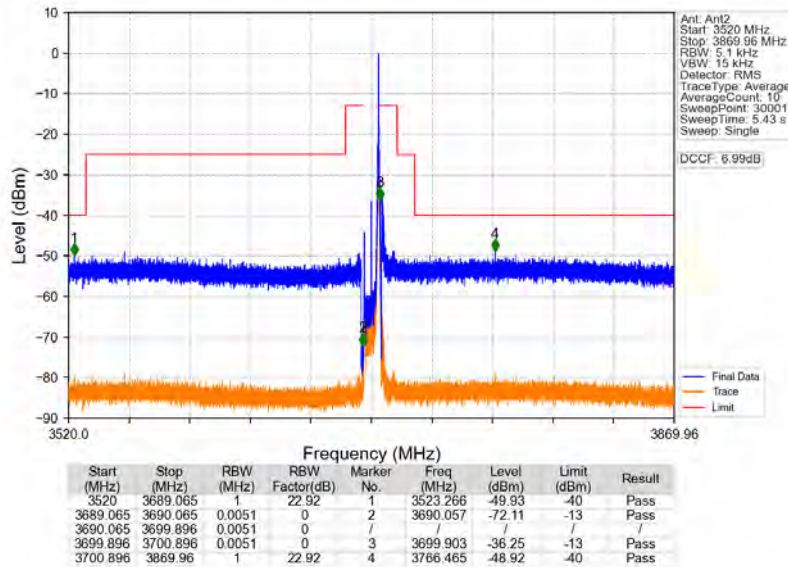
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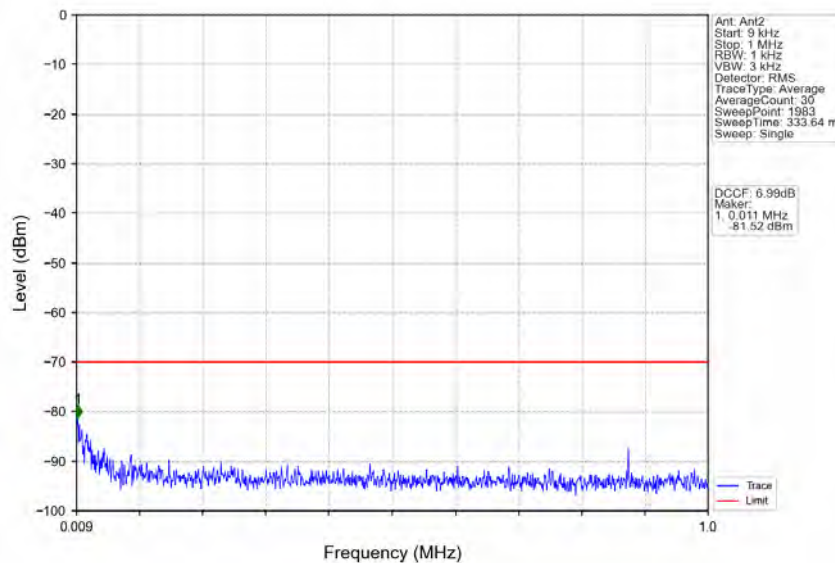
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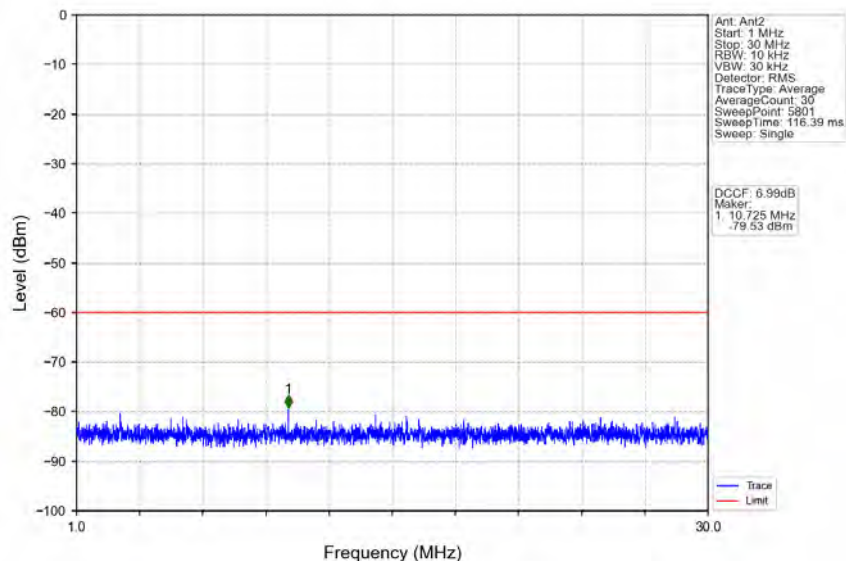
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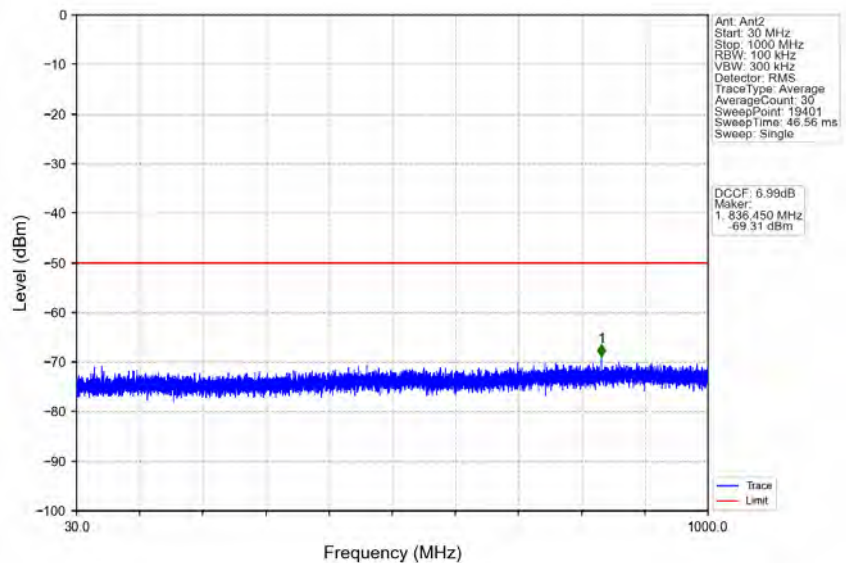
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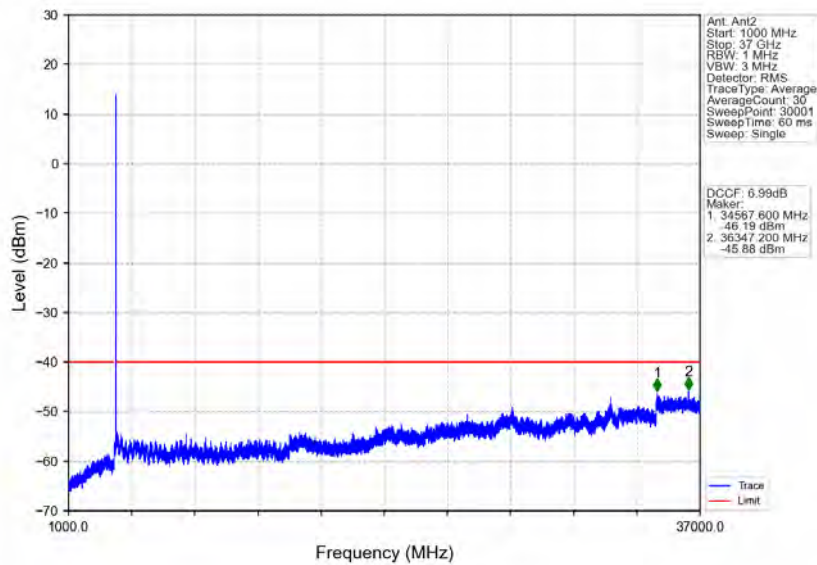
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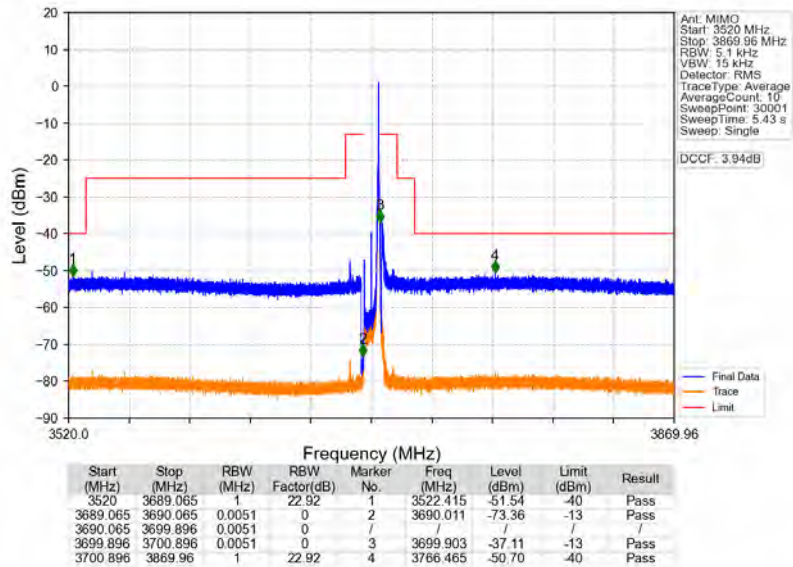
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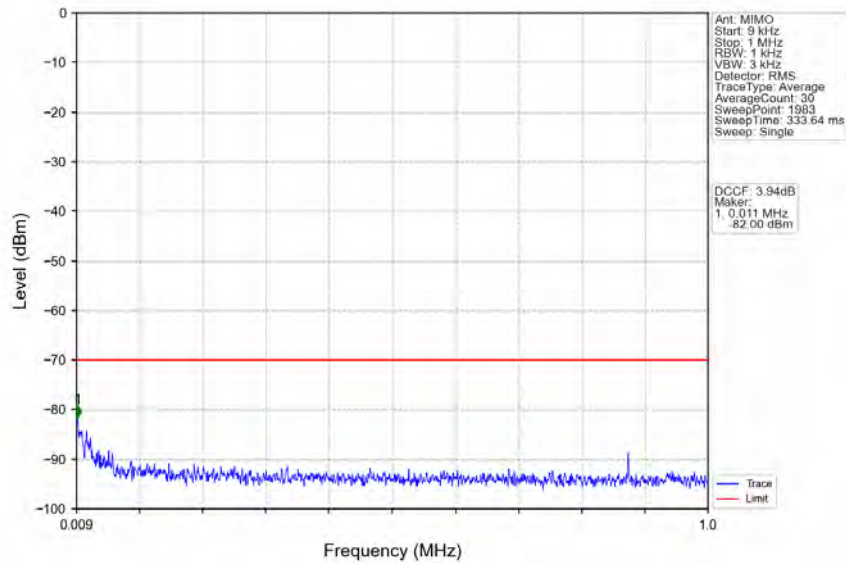
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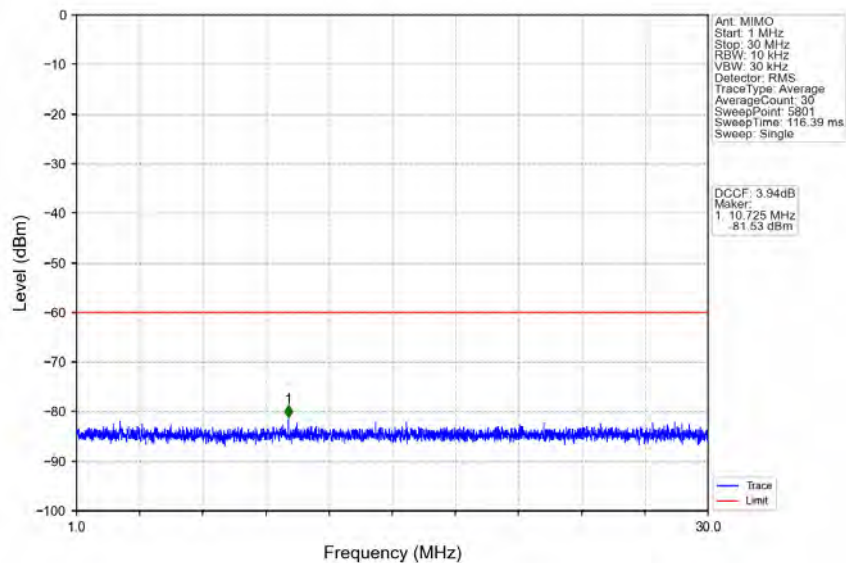
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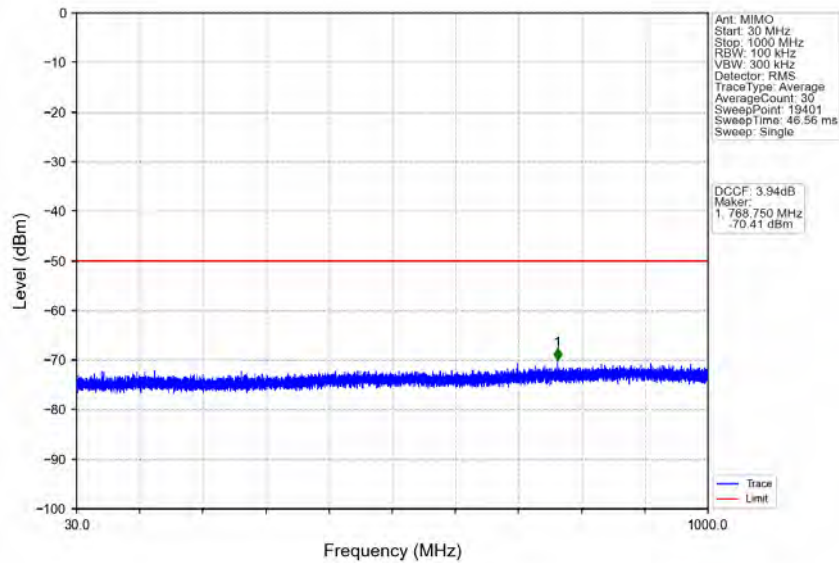
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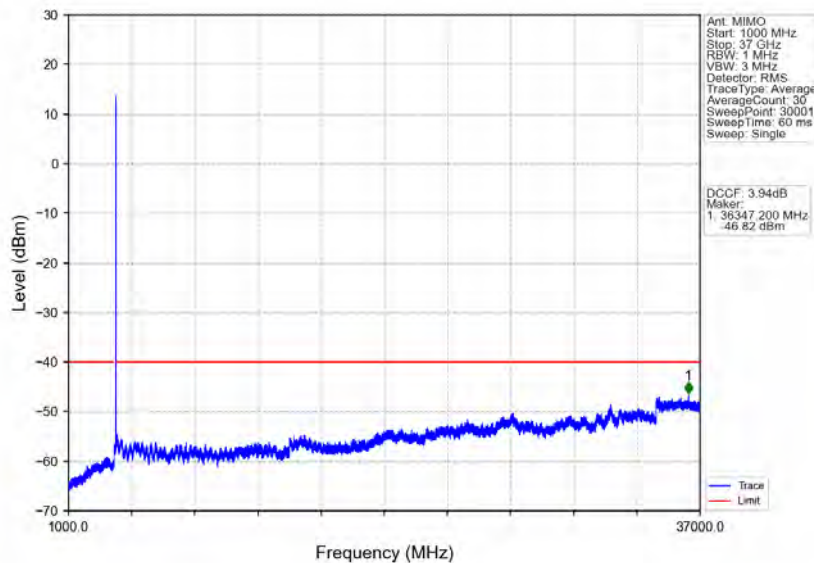
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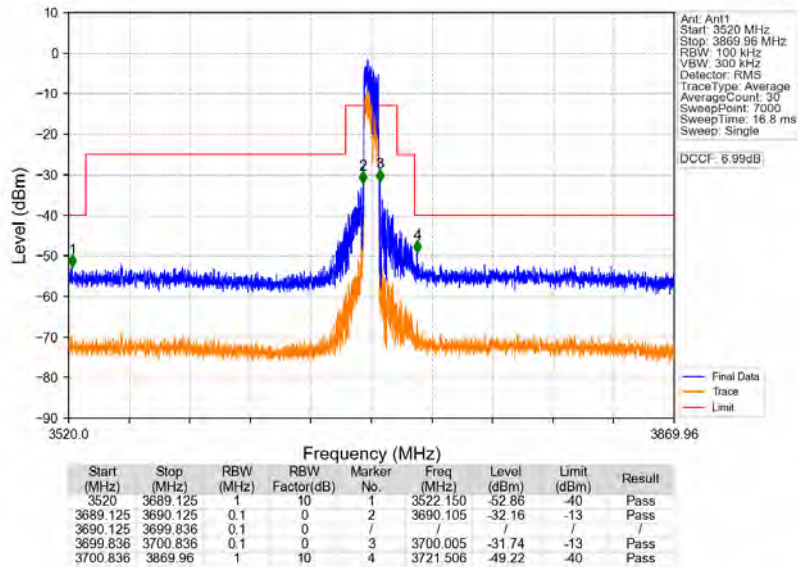
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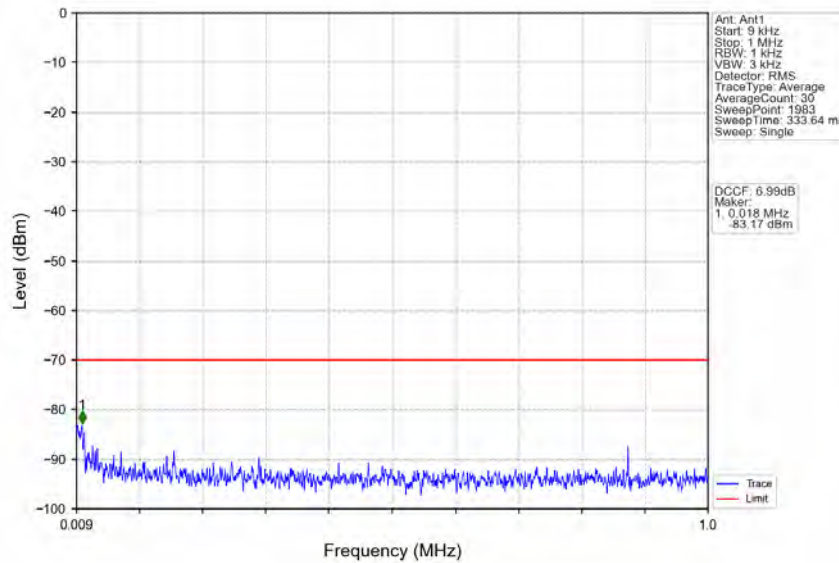
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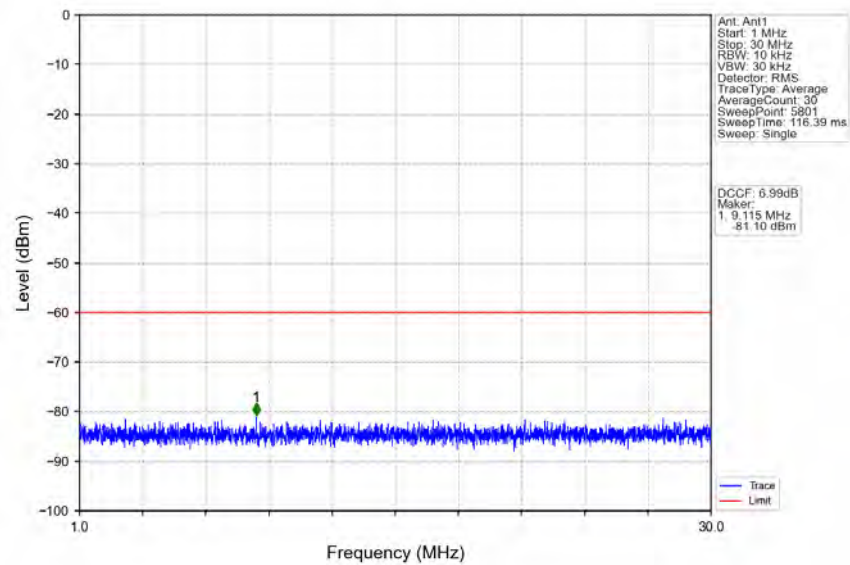
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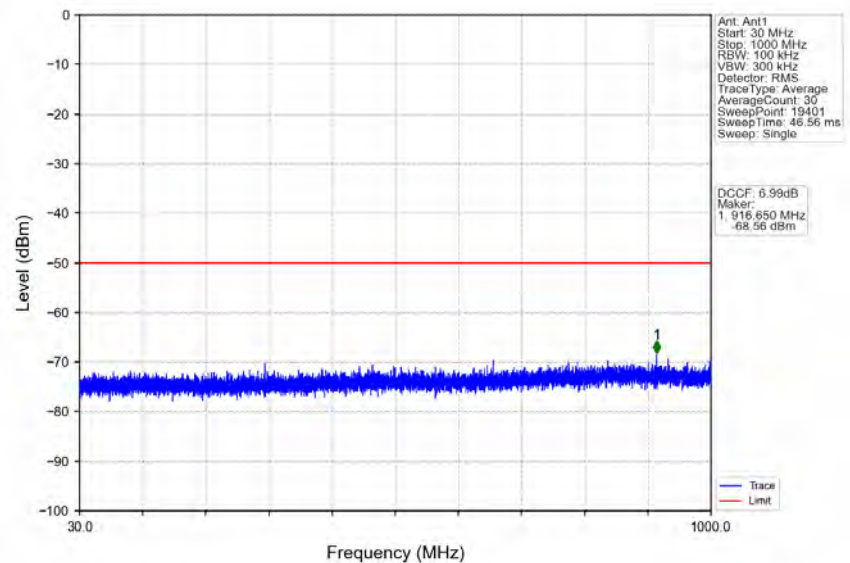


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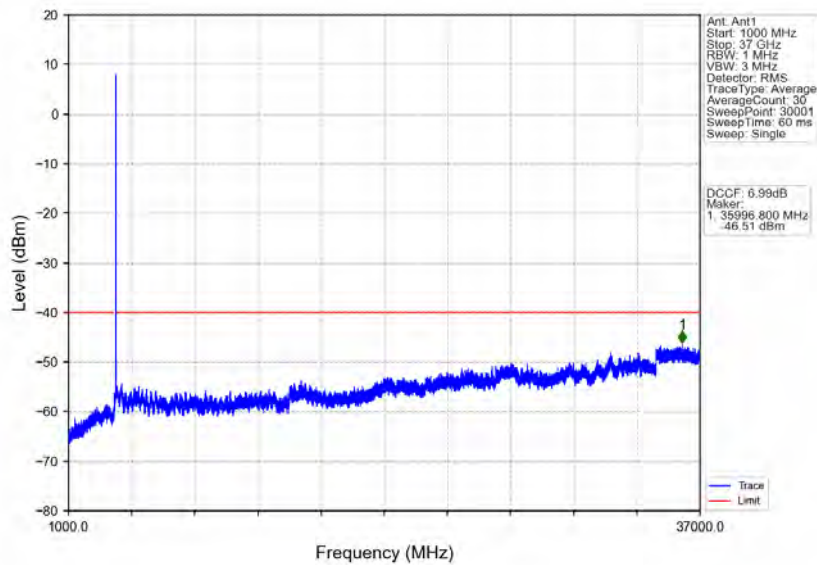
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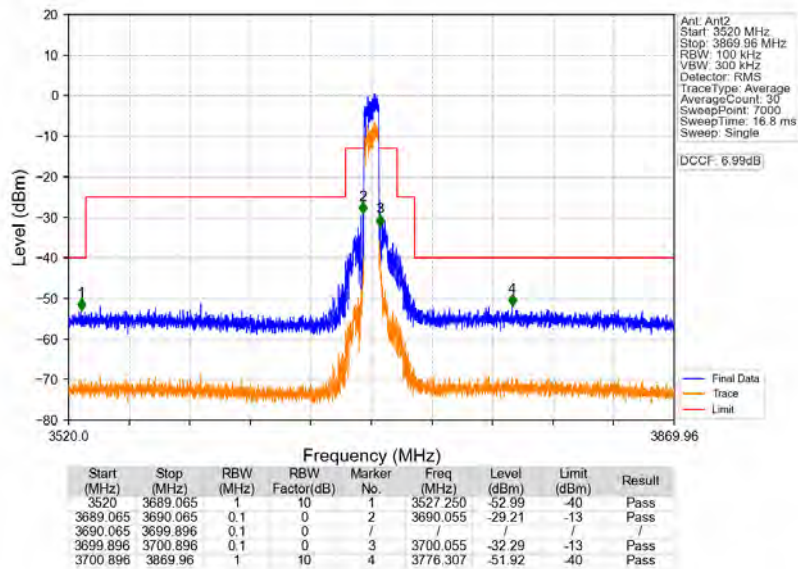
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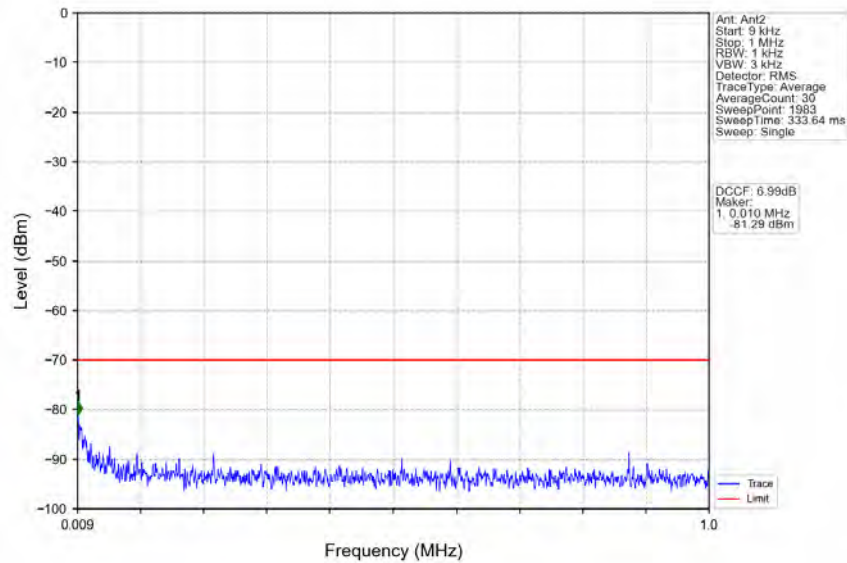
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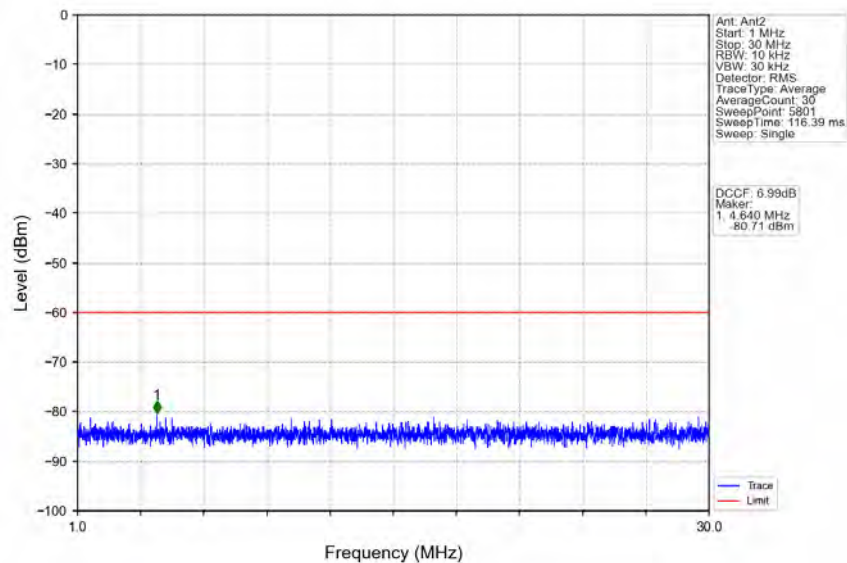
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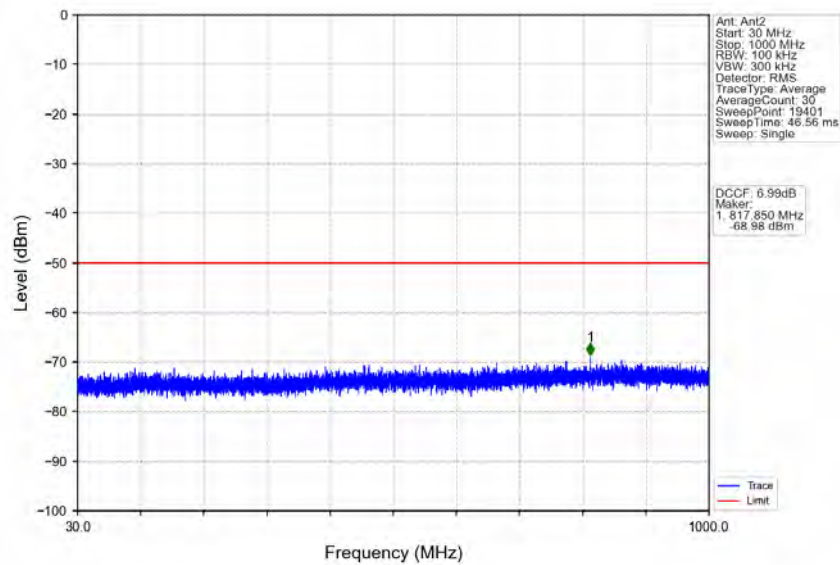
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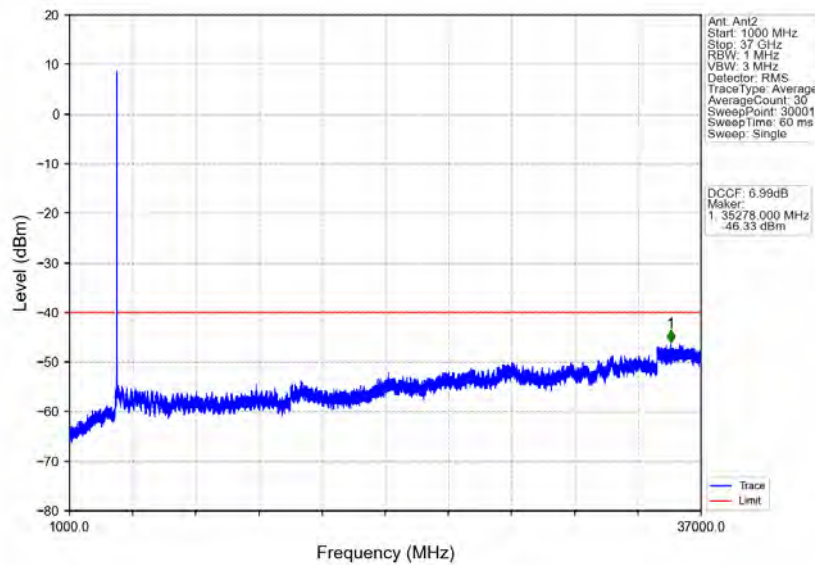
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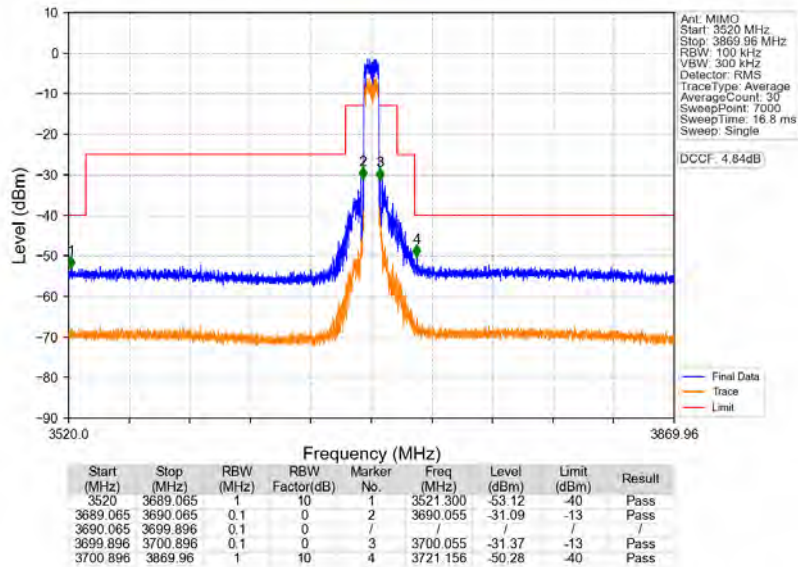
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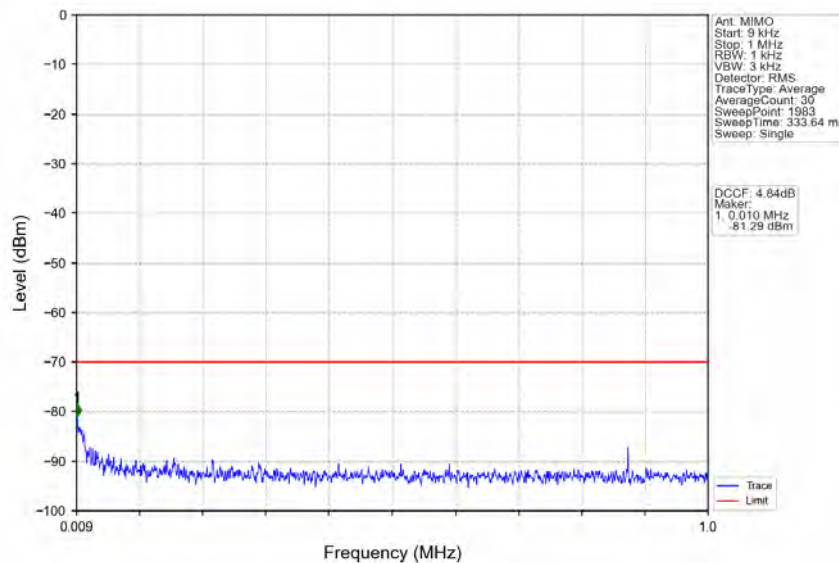
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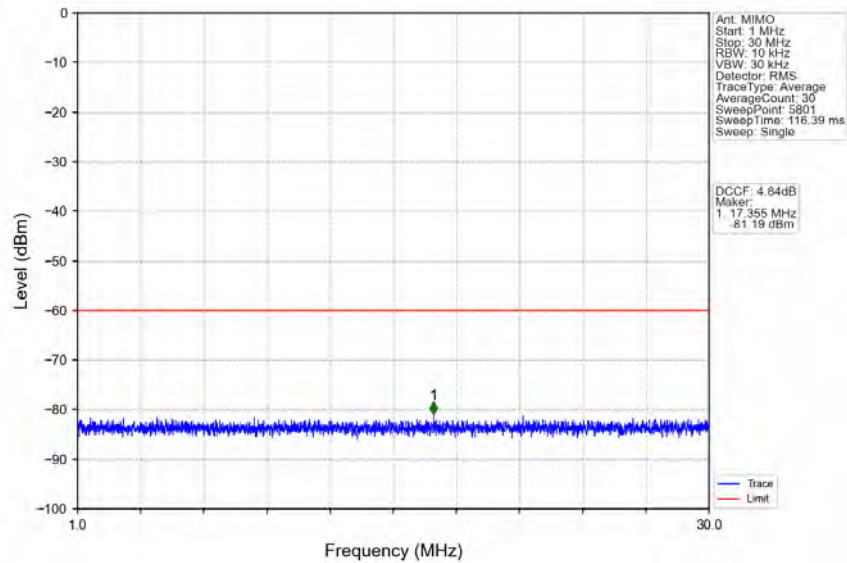
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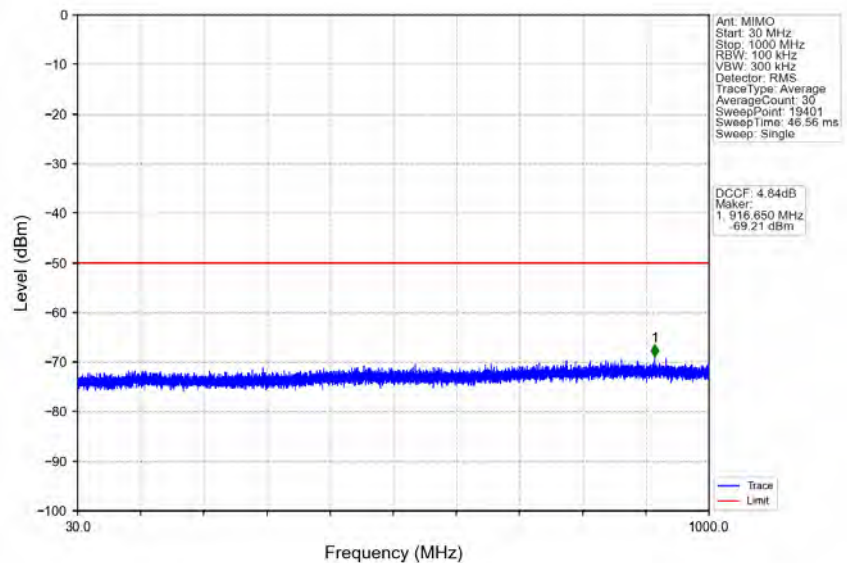


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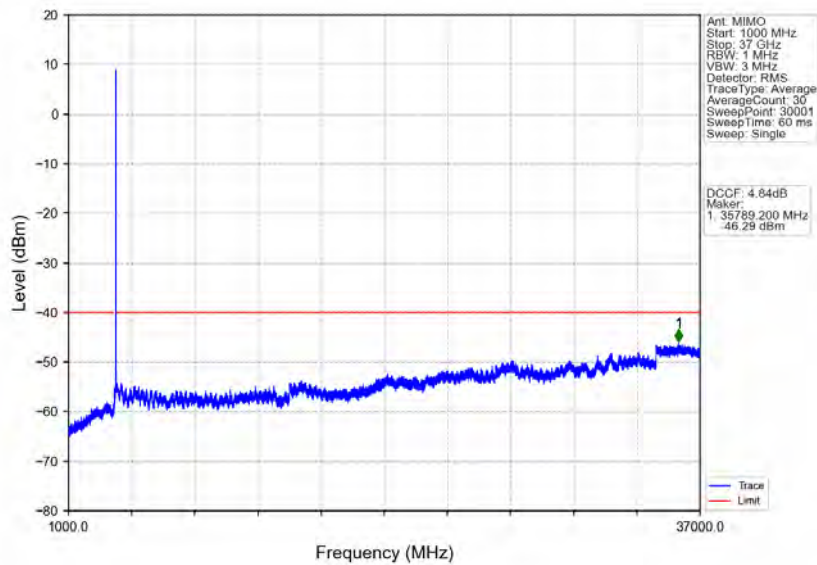
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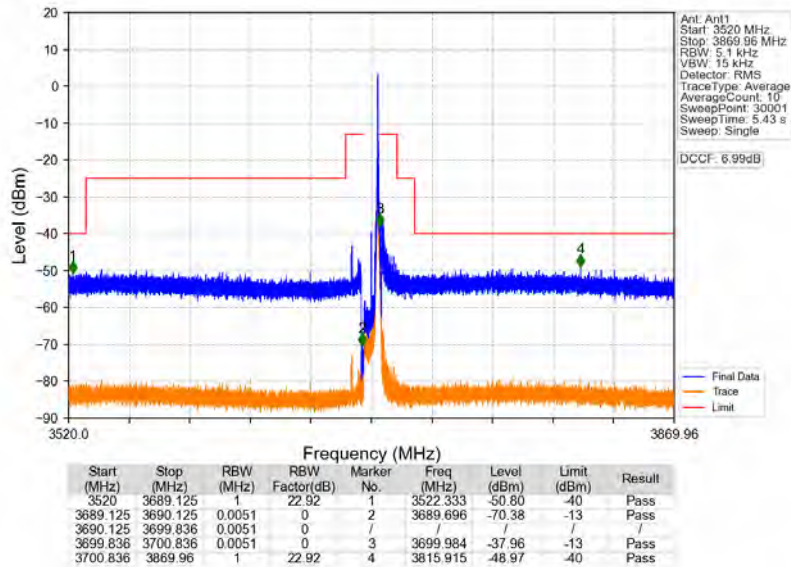
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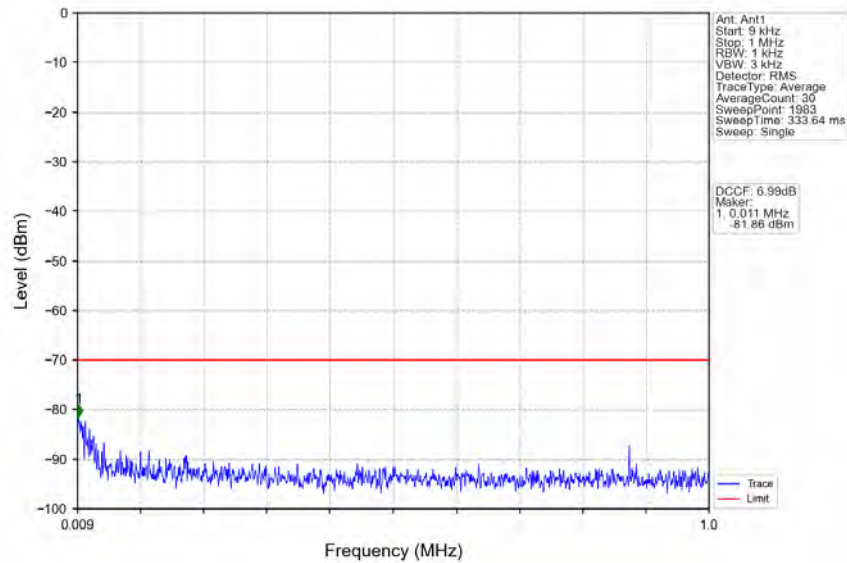
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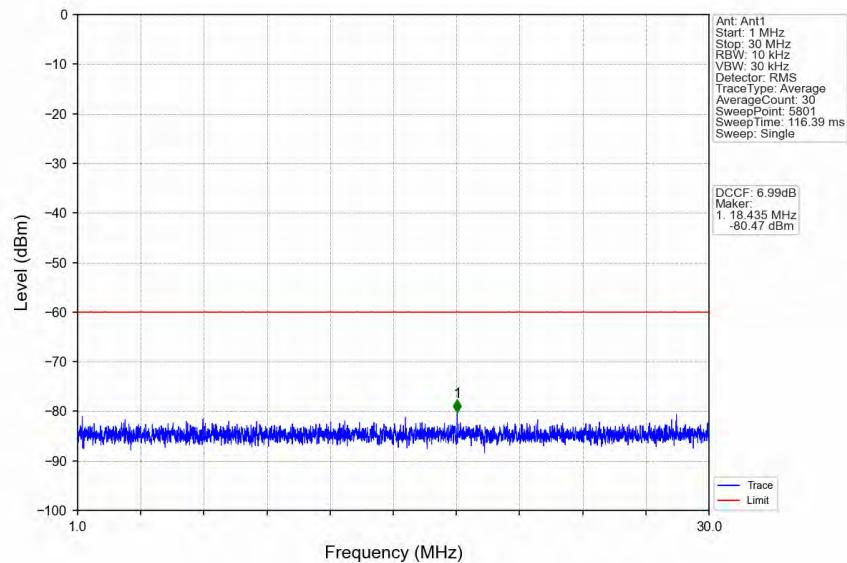
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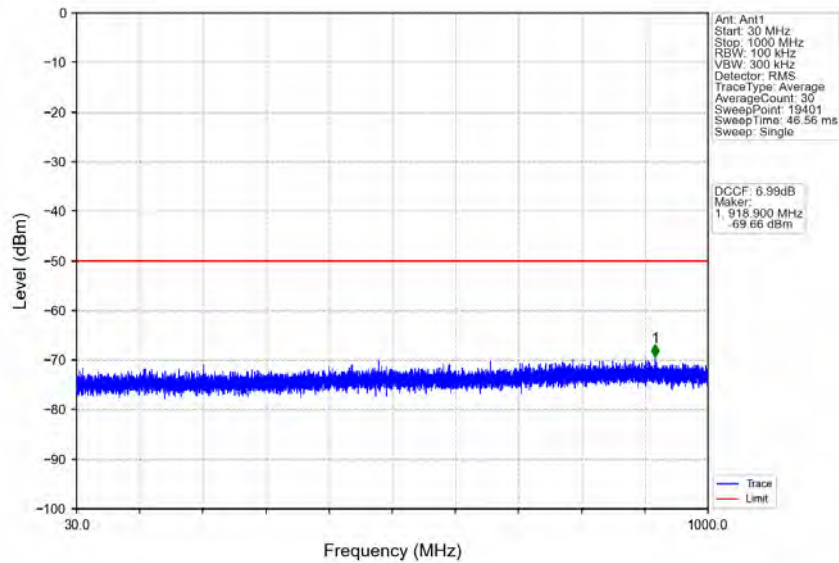
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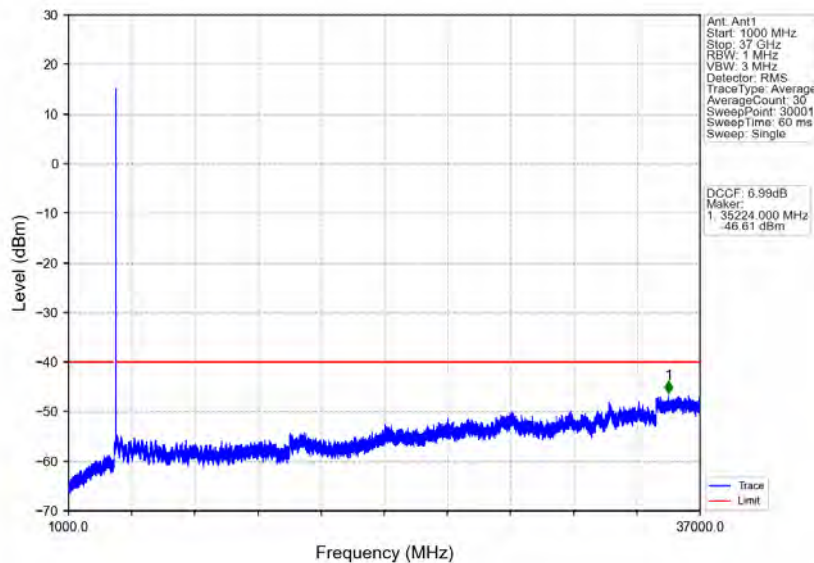
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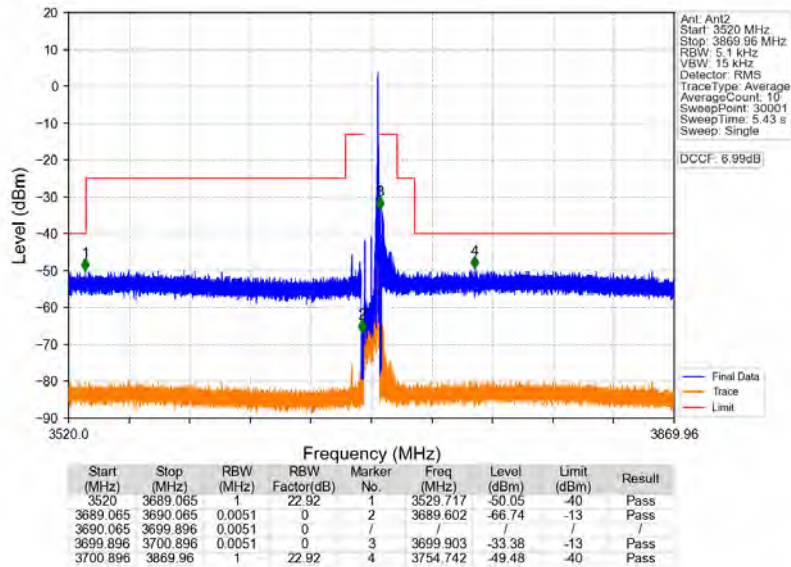
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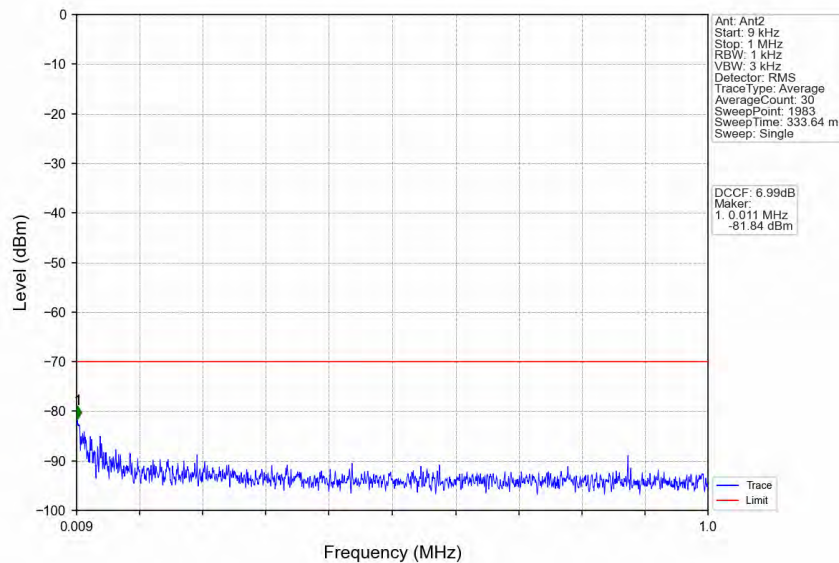
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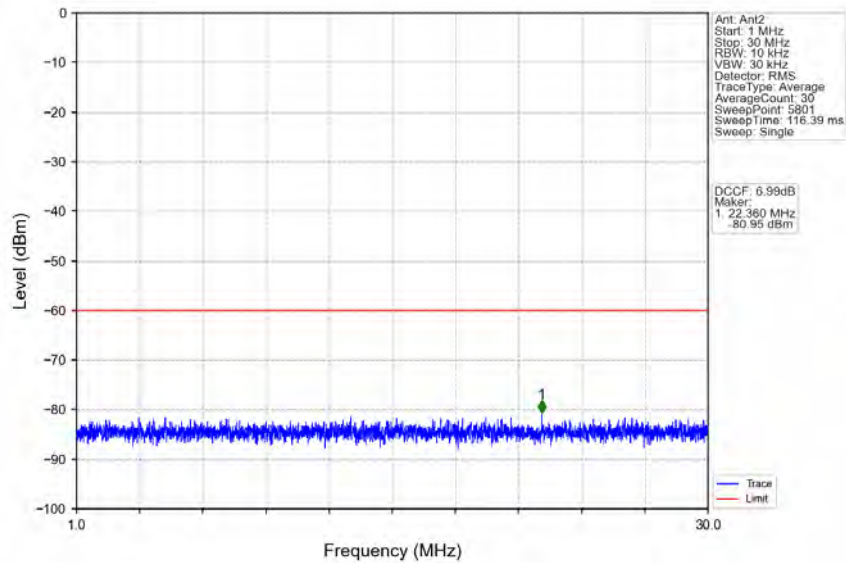
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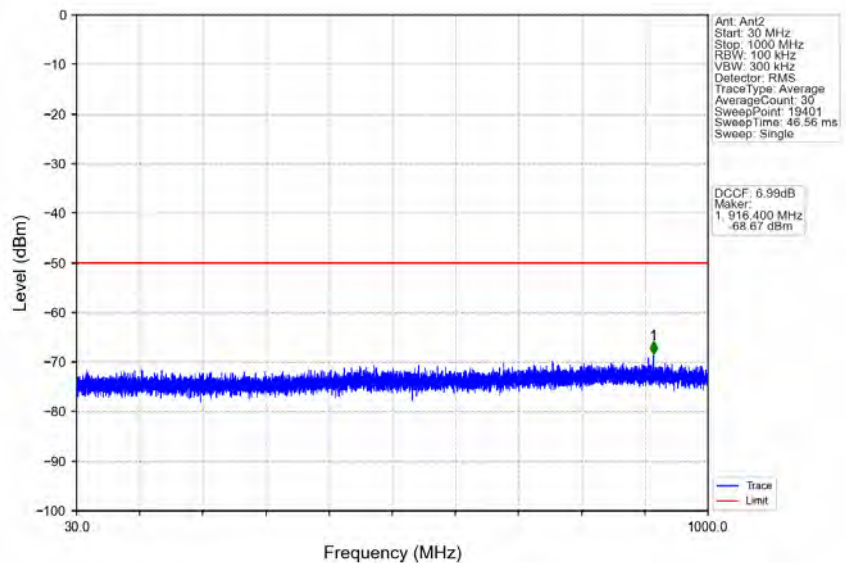
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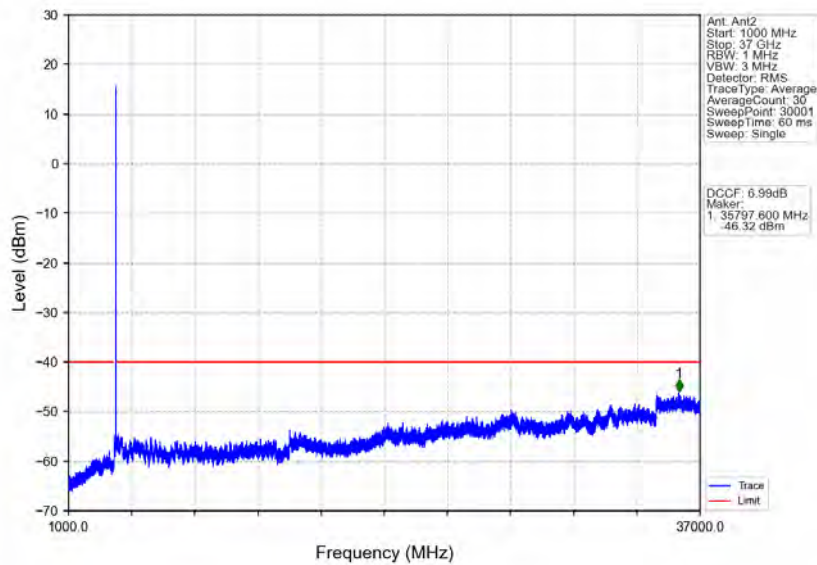
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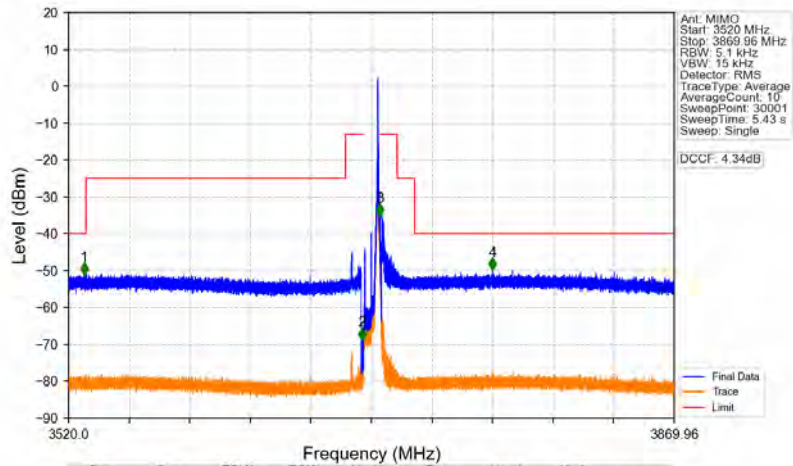
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3689.065	1	22.92	1	3528.994	-51.24	-40	Pass
3689.065	3690.065	0.0051	0	2	3689.602	-68.78	-13	Pass
3690.065	3699.896	0.0051	0	/	/	/	/	/
3699.896	3700.896	0.0051	0	3	3699.903	-35.19	-13	Pass
3700.896	3869.96	1	22.92	4	3764.972	-49.86	-40	Pass



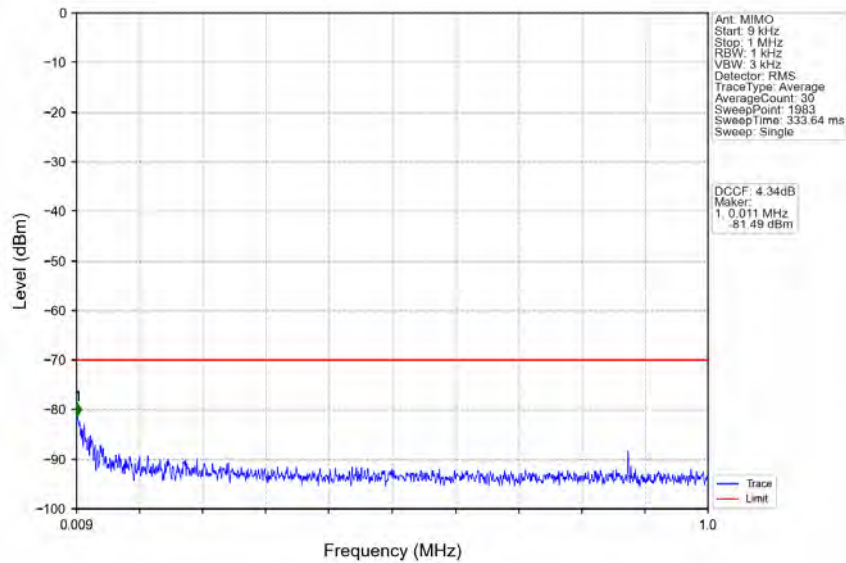
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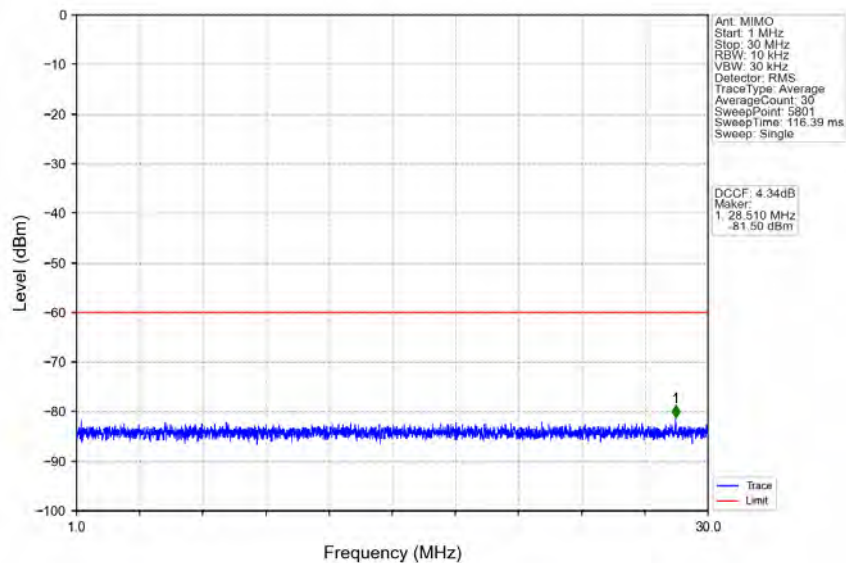
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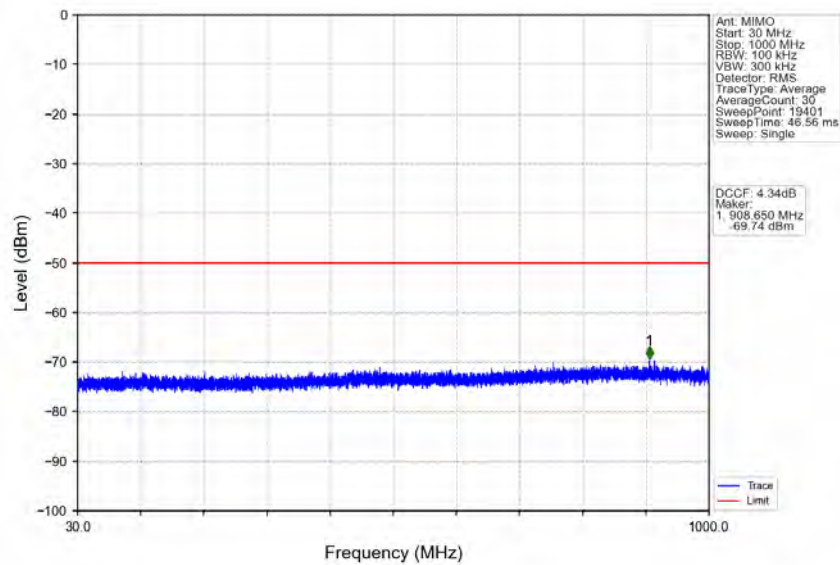
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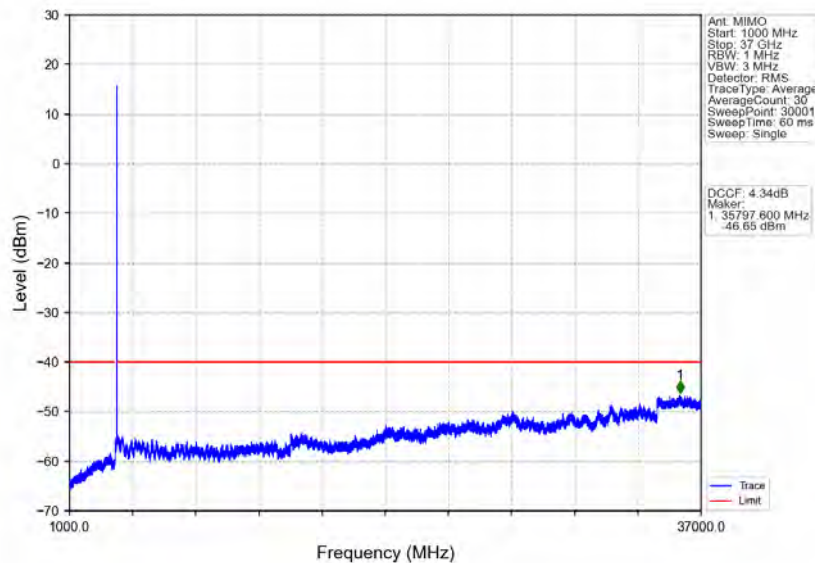
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n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3694.98MHz_Inner_1RB_Right



n48_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3694.98MHz_Inner_1RB_Right



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6.2 30k_MIMO_20MHz_NTNV

6.2.1 Test Result

5G NR n48 SCS=30kHz MIMO 20MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3560.01	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3690	Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass



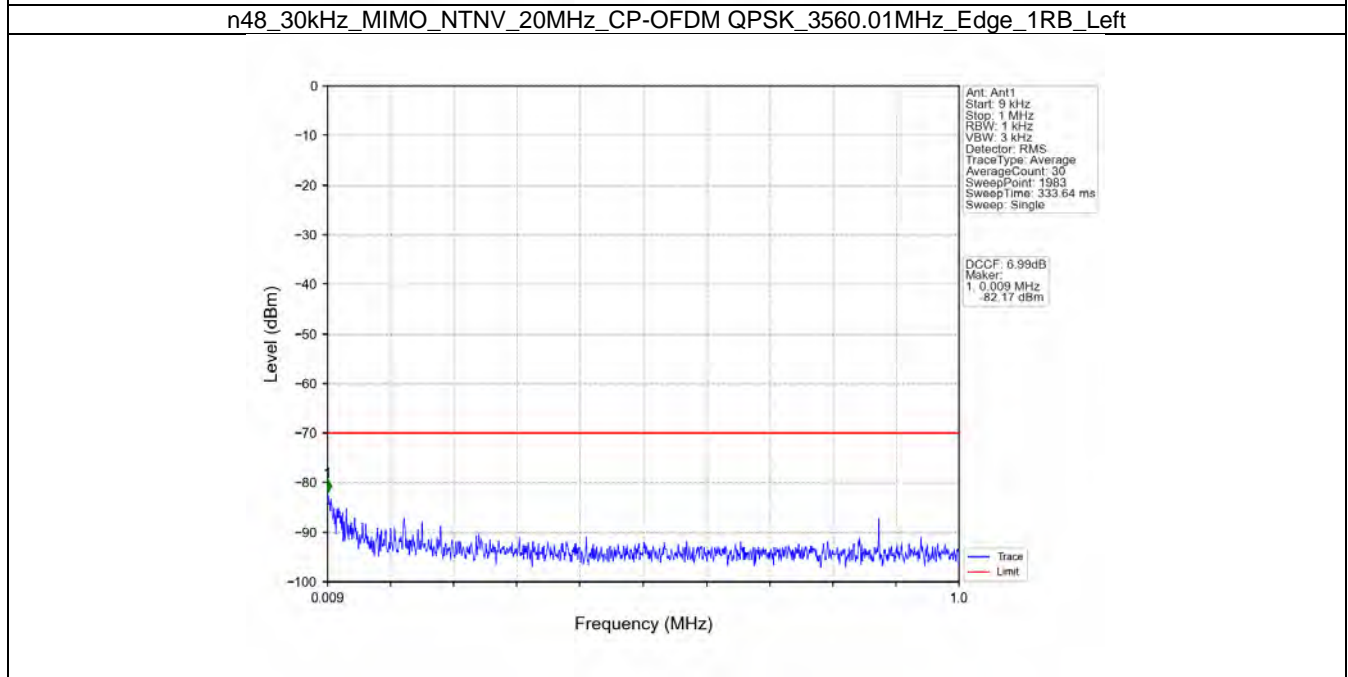
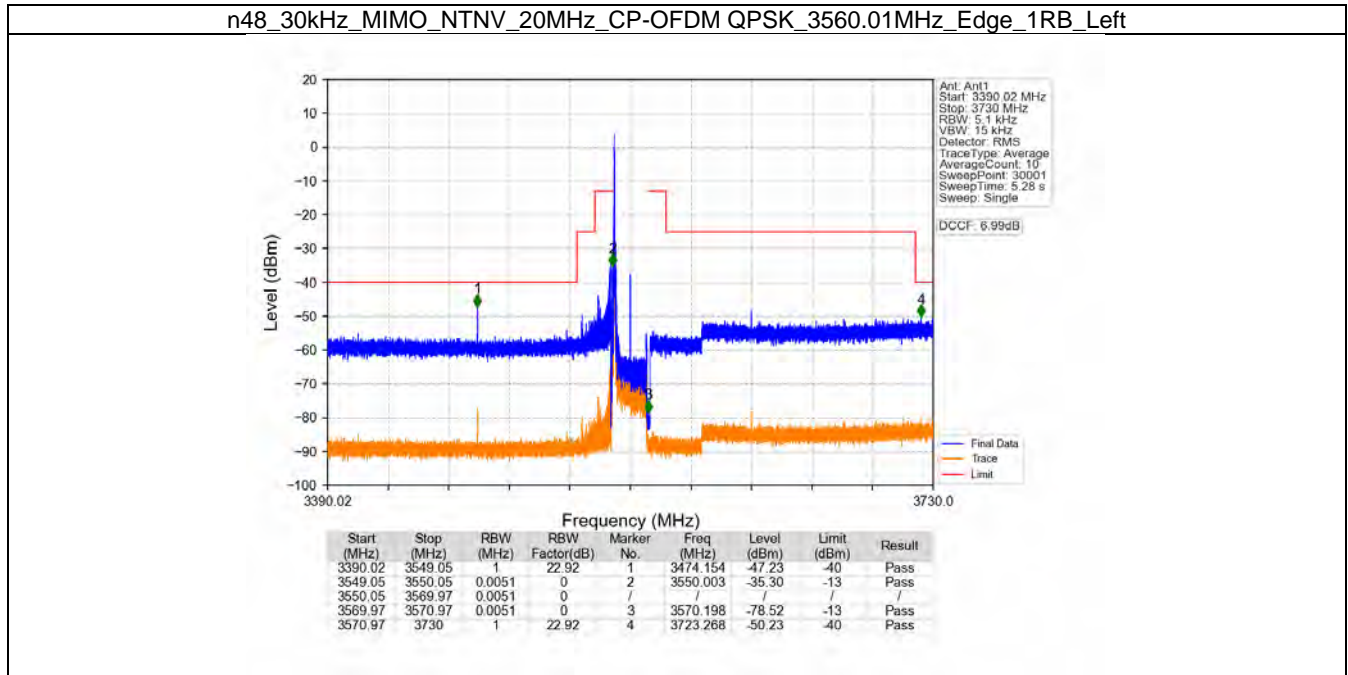
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6.2.2 Test Graph

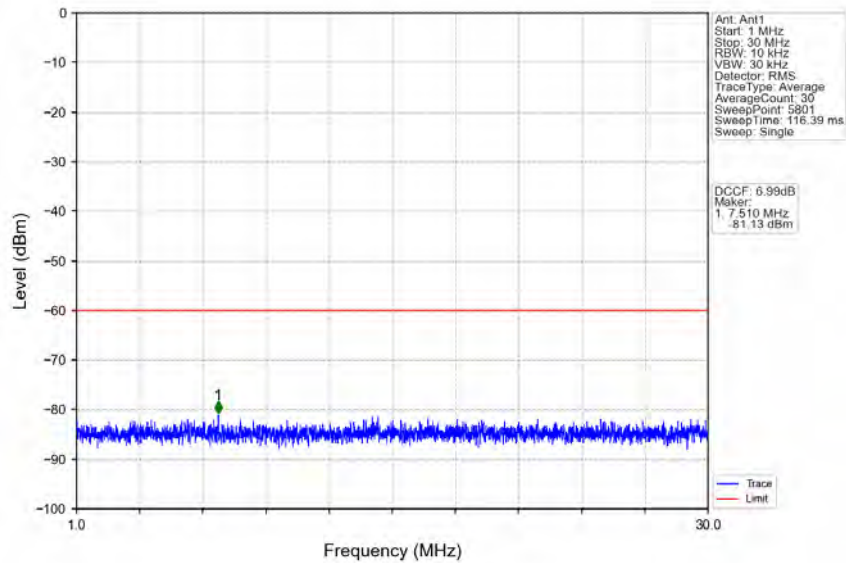


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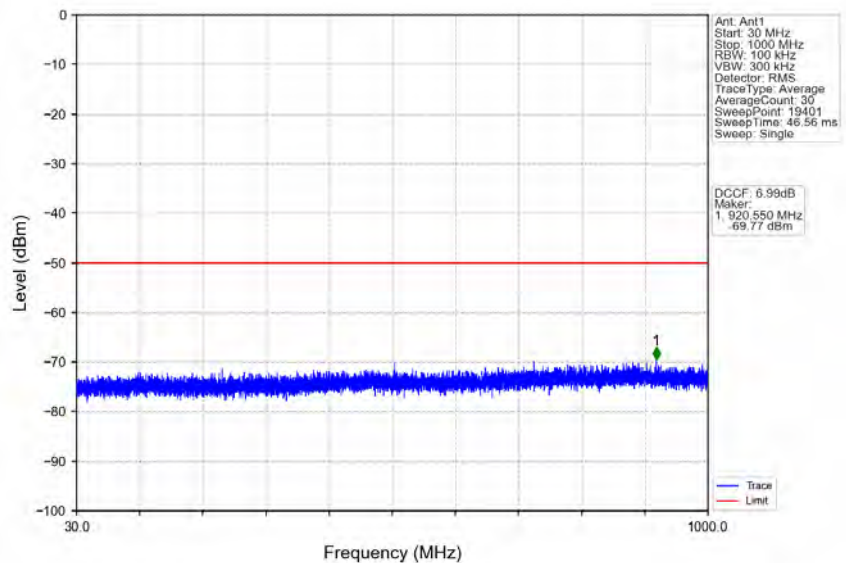
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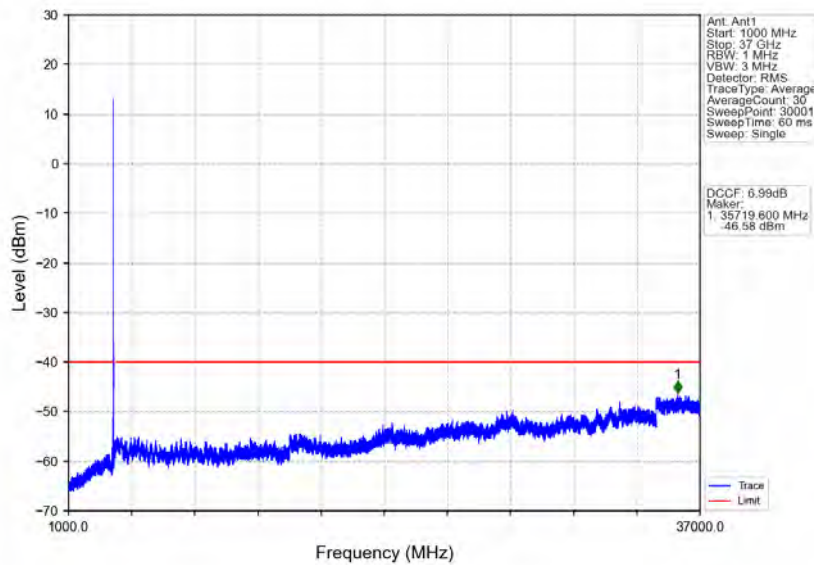
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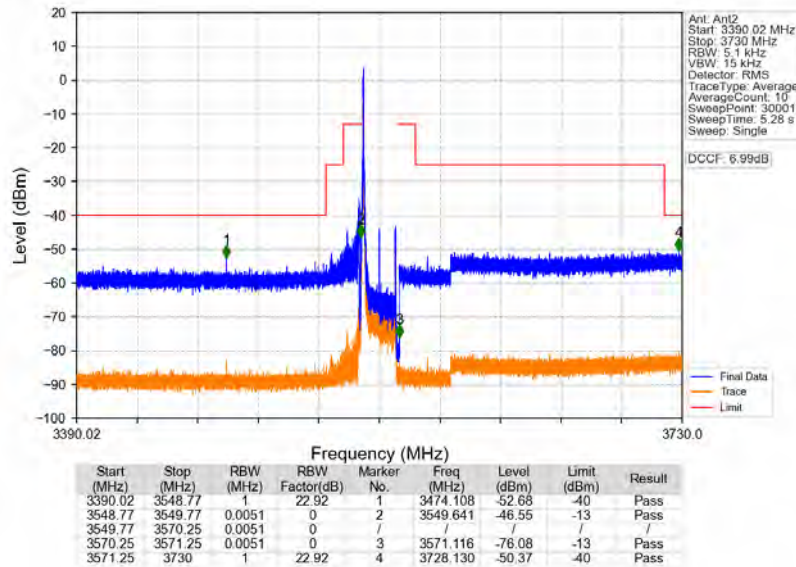
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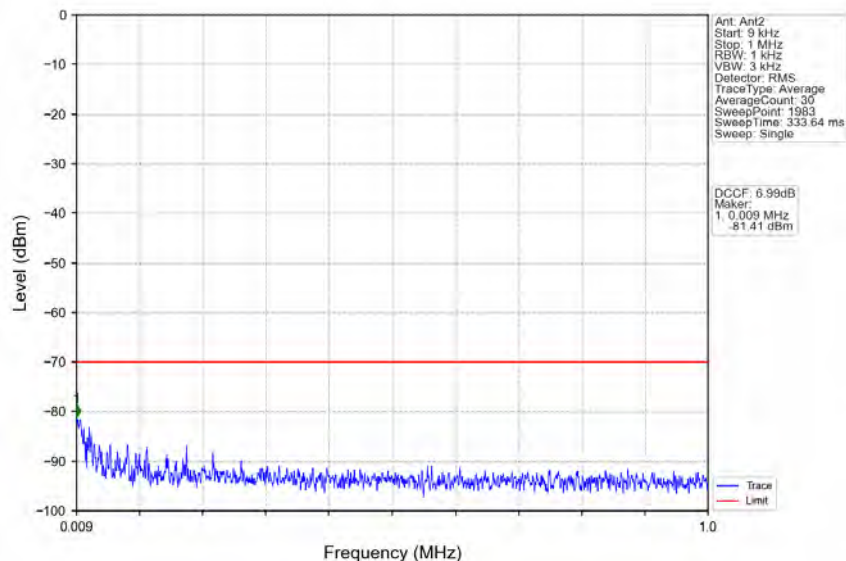
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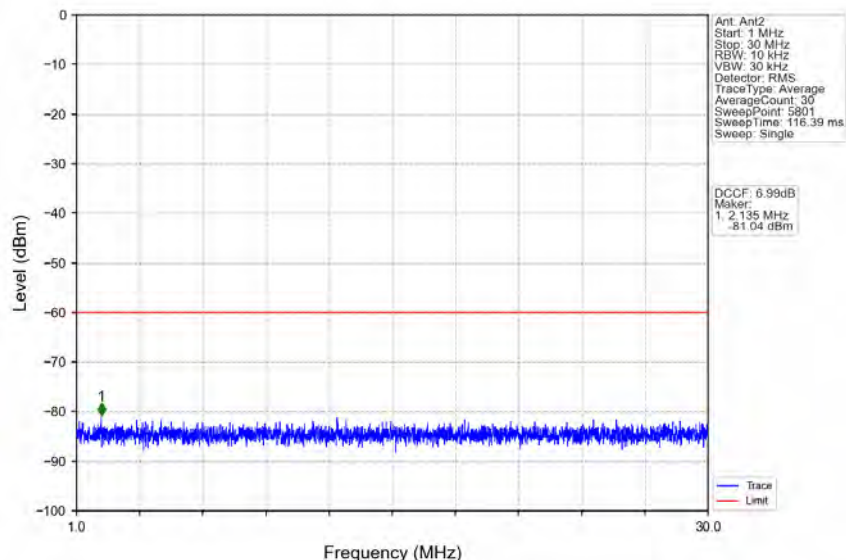
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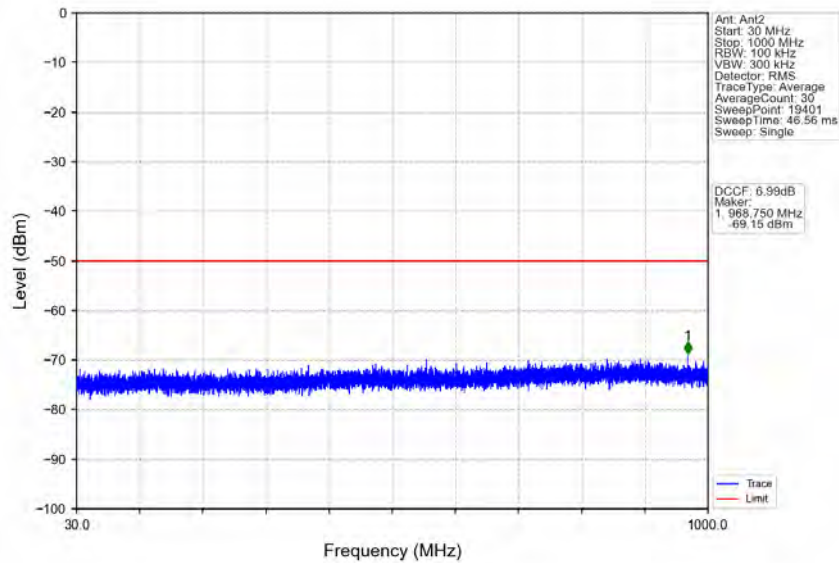
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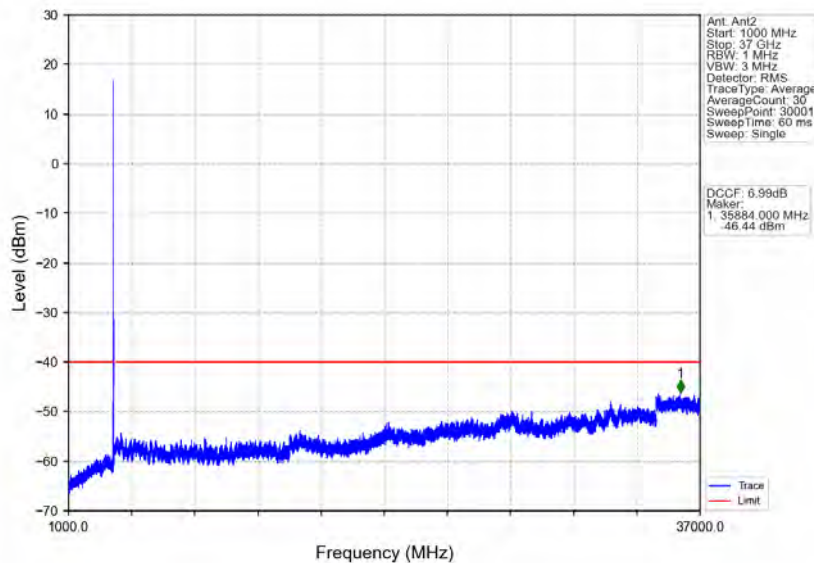
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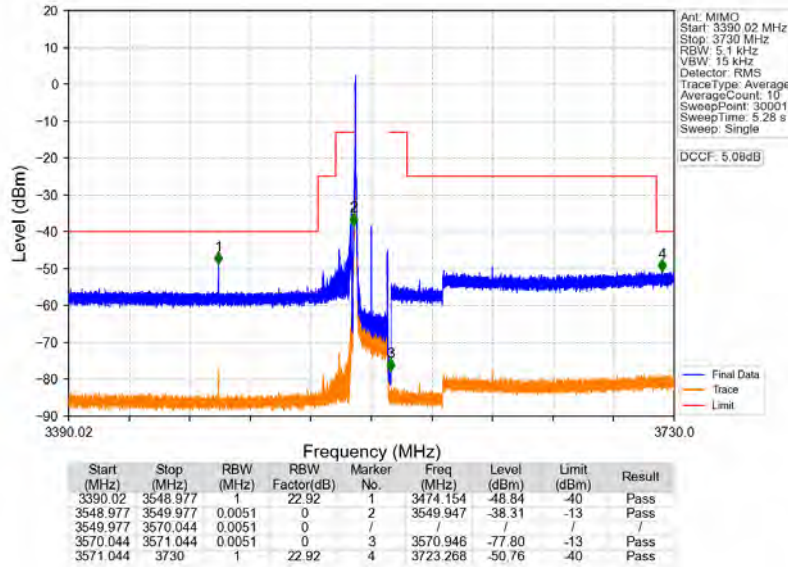
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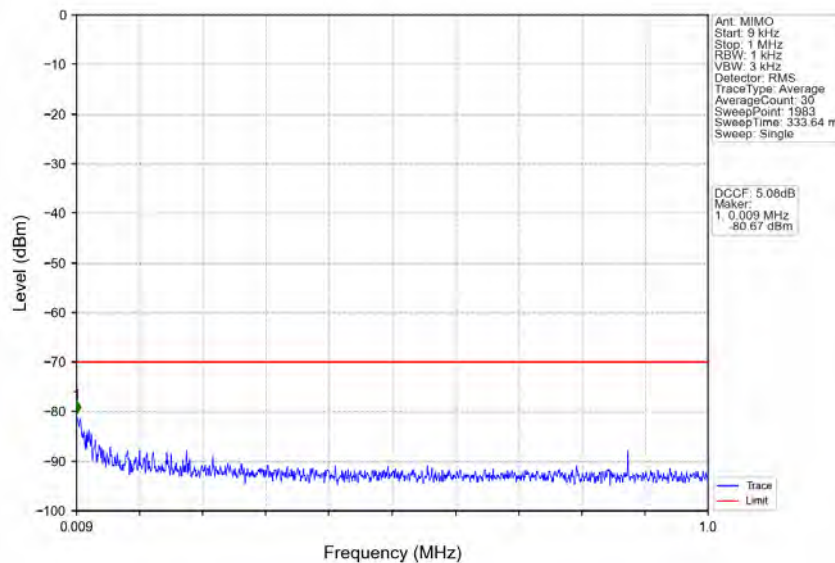
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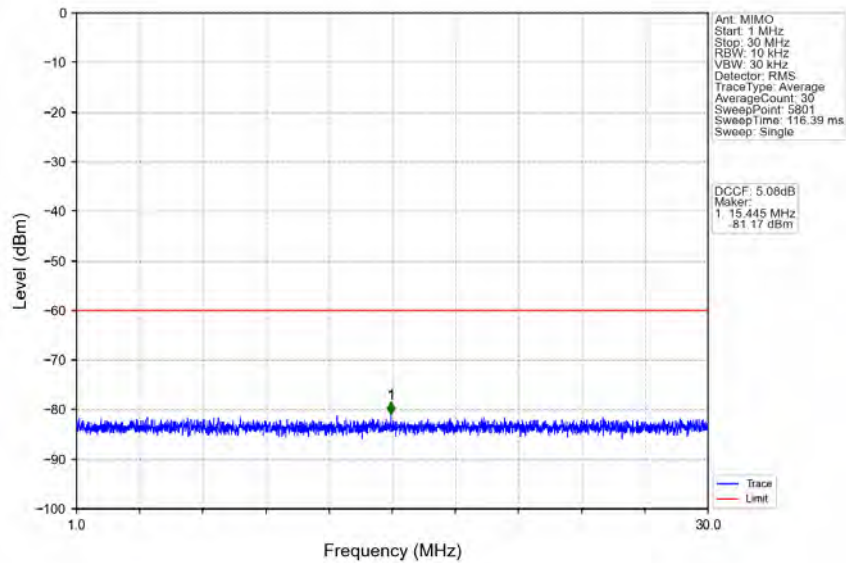
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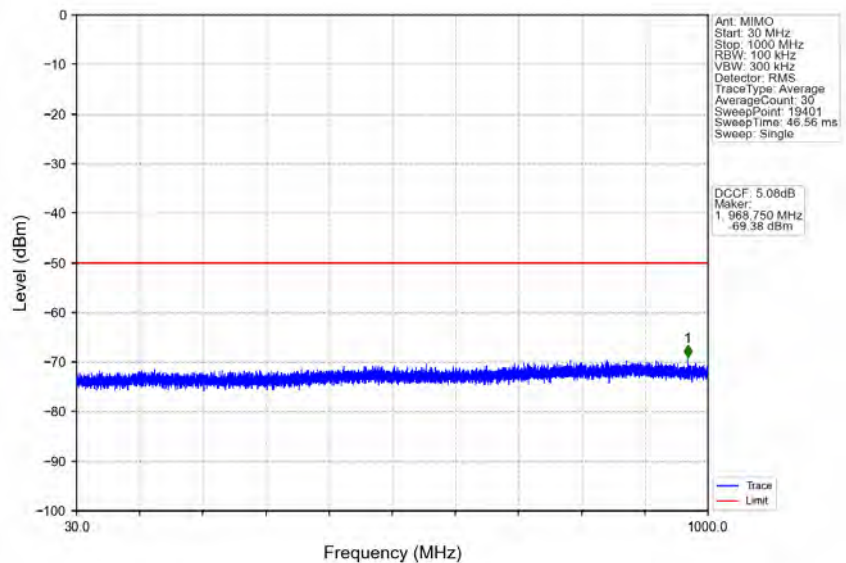


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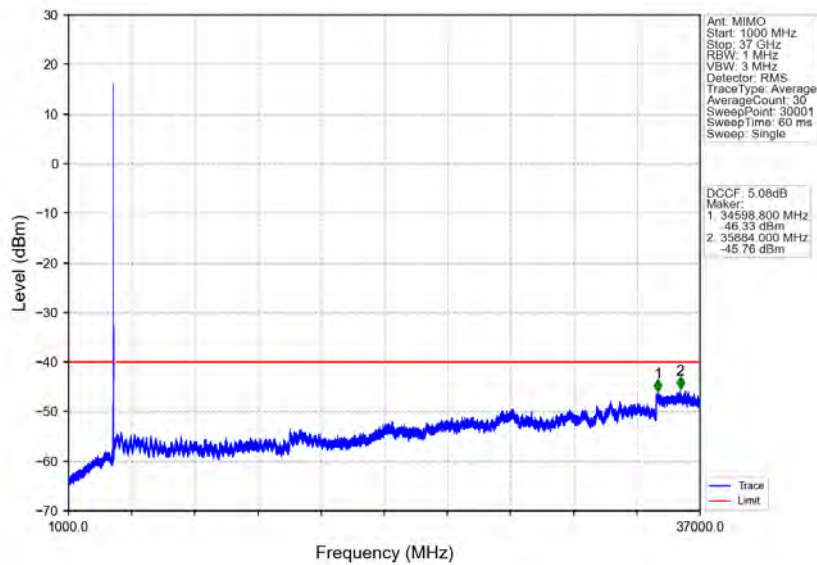
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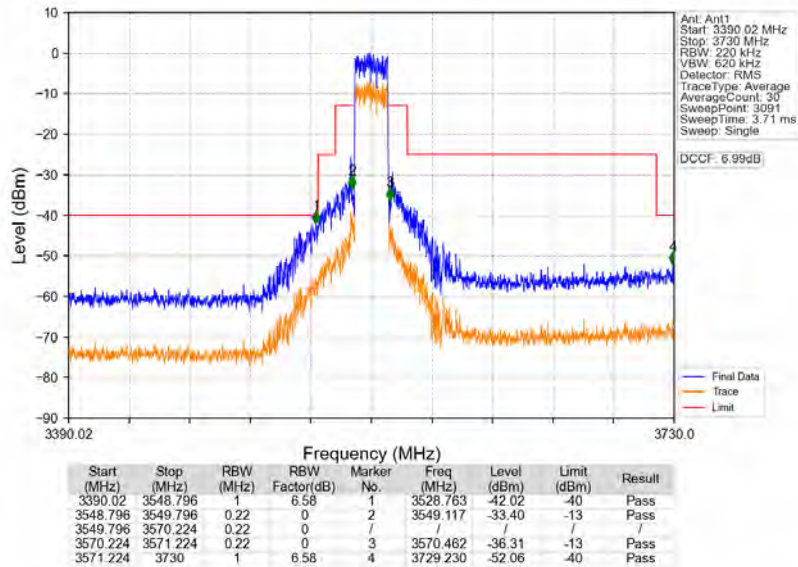
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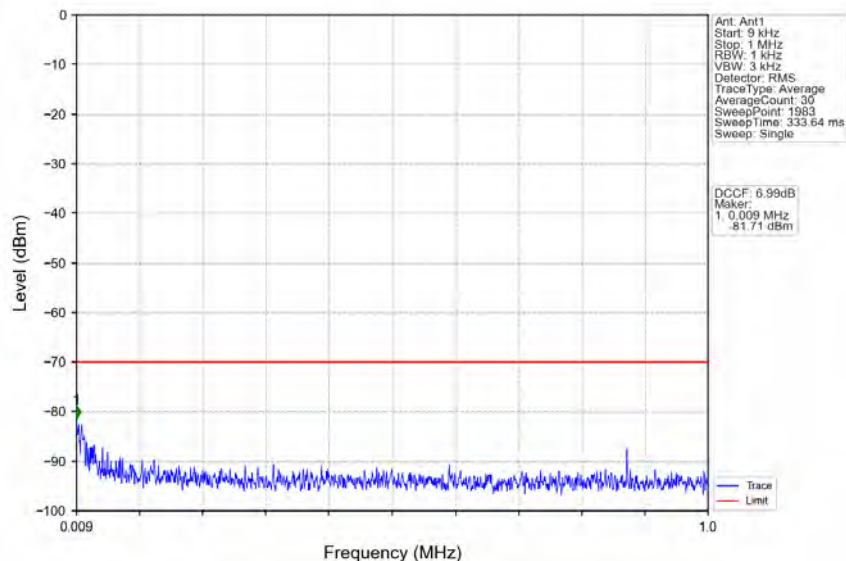
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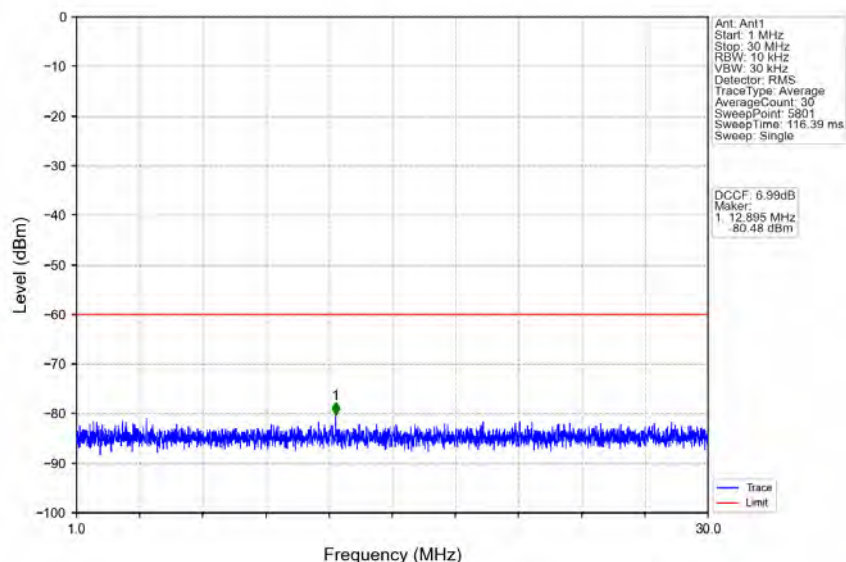
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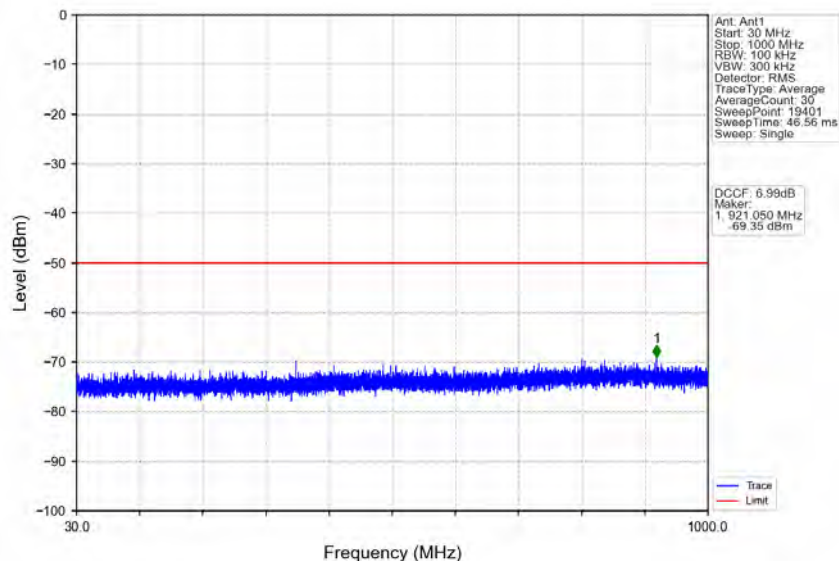
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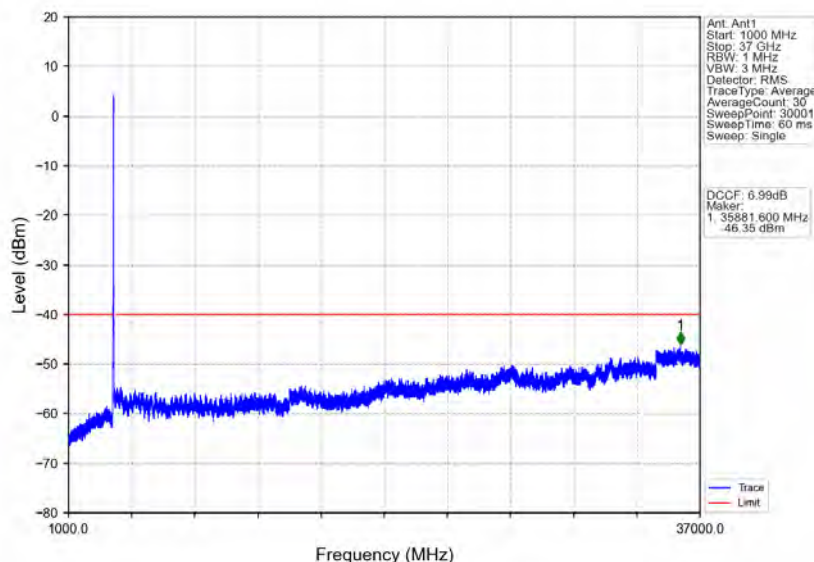
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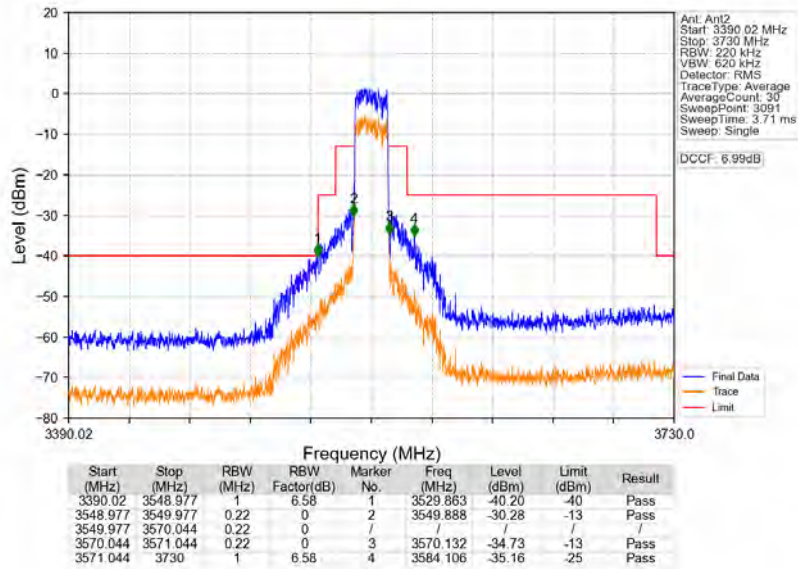
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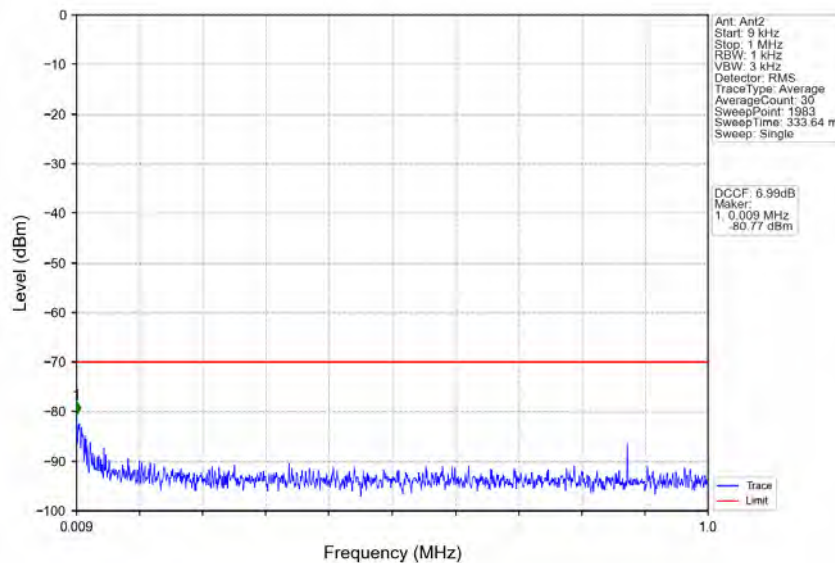
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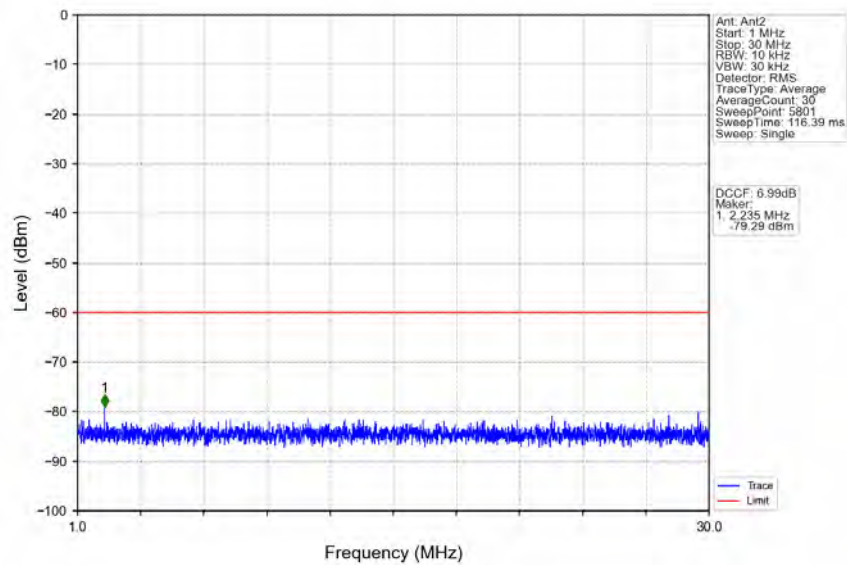
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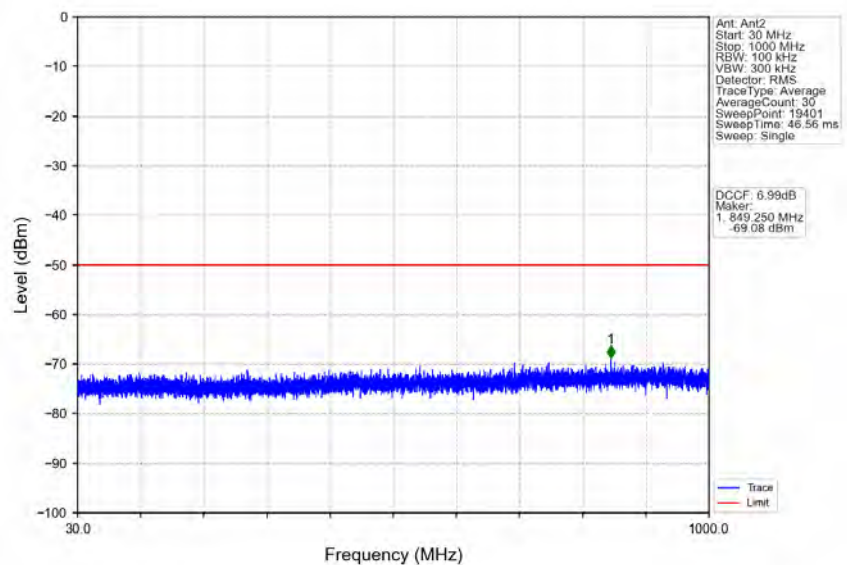


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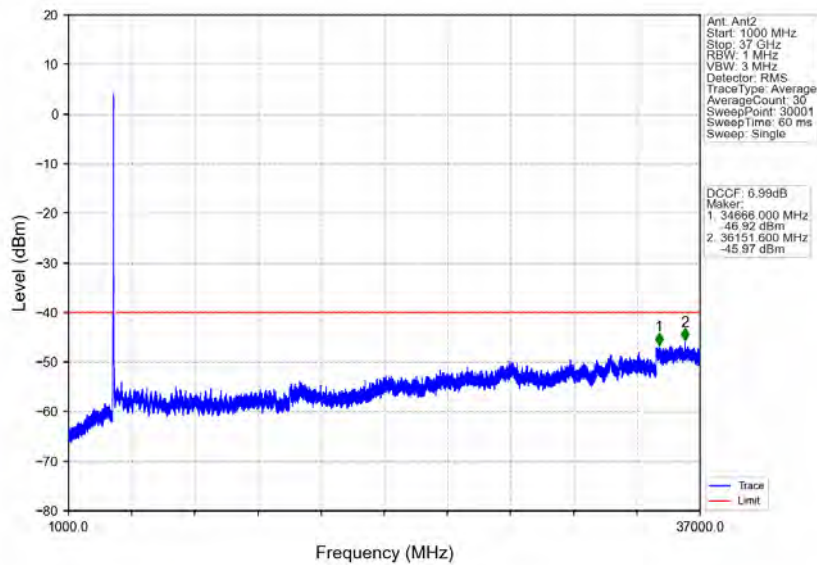
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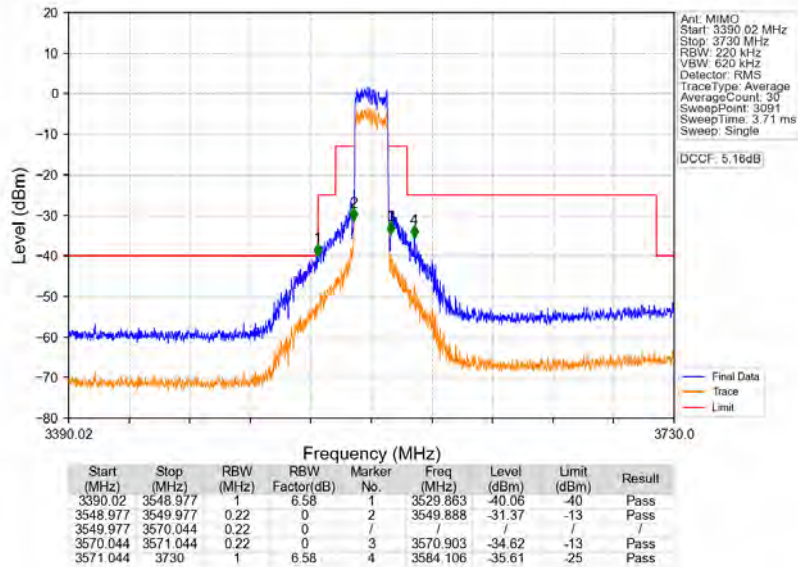
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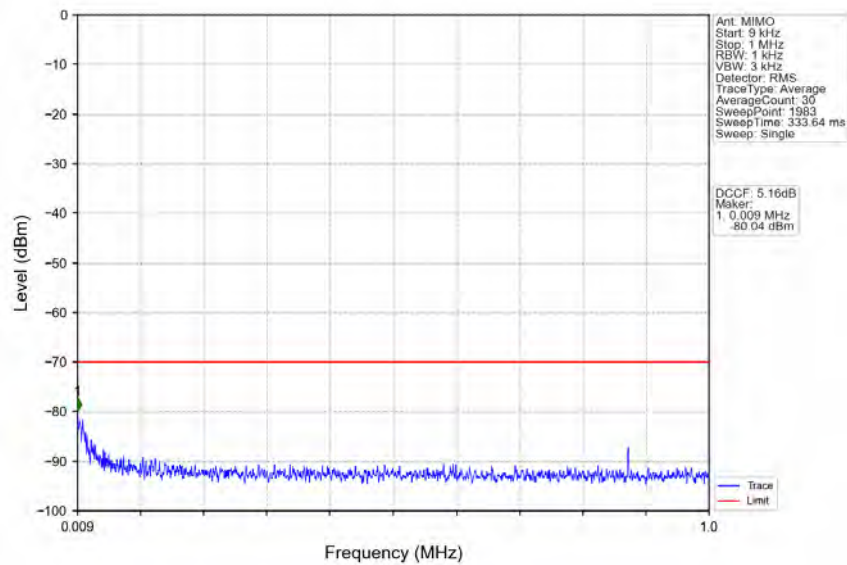
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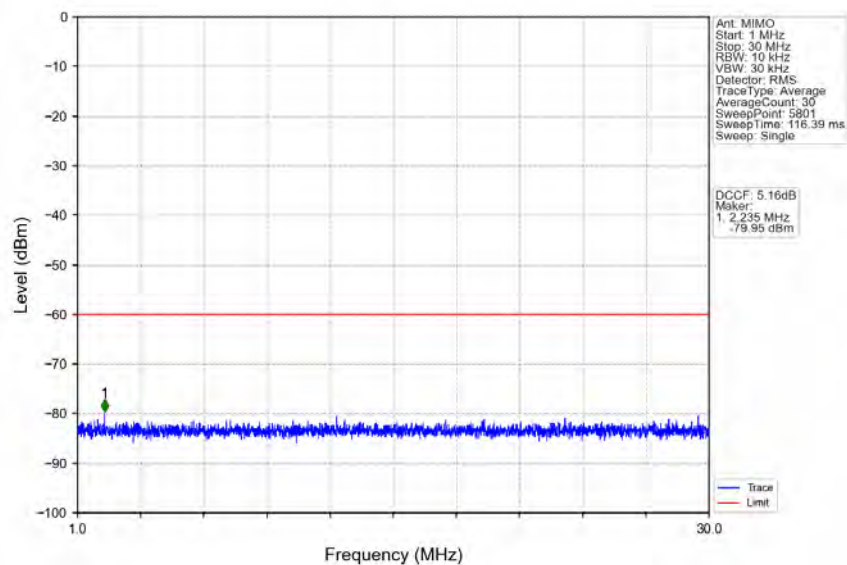
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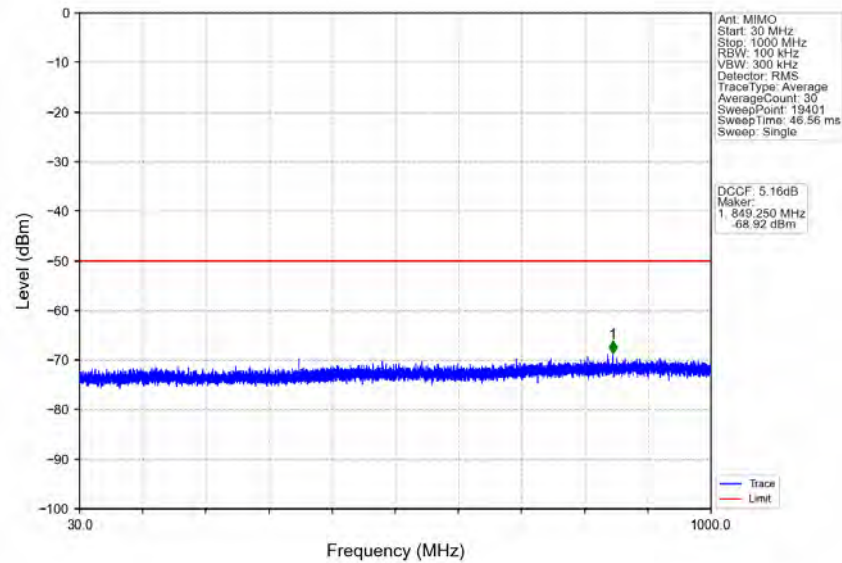
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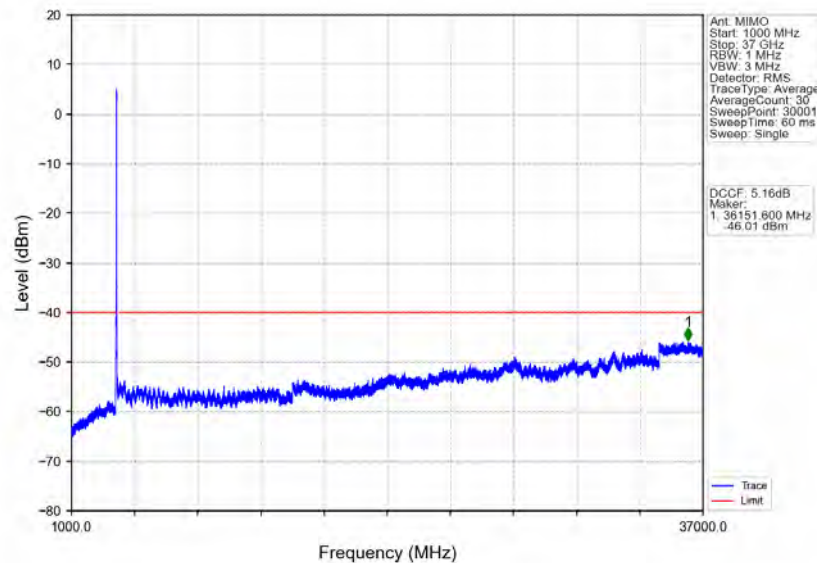
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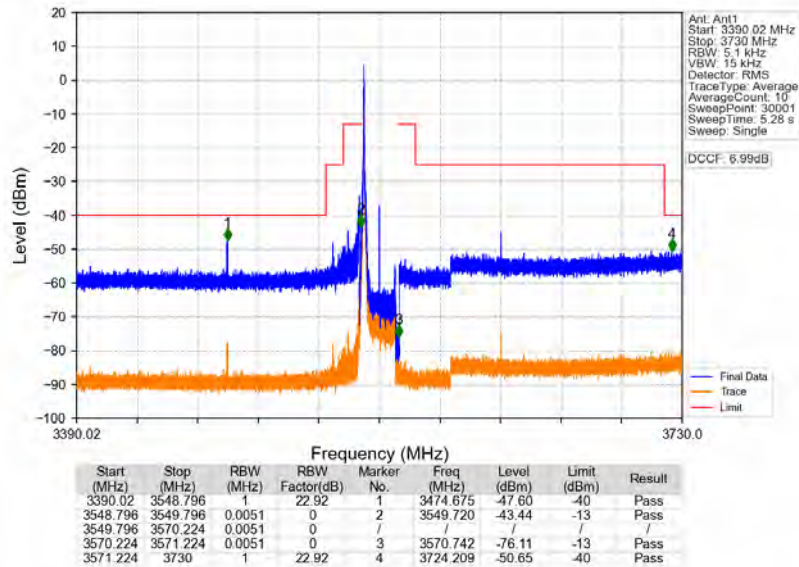
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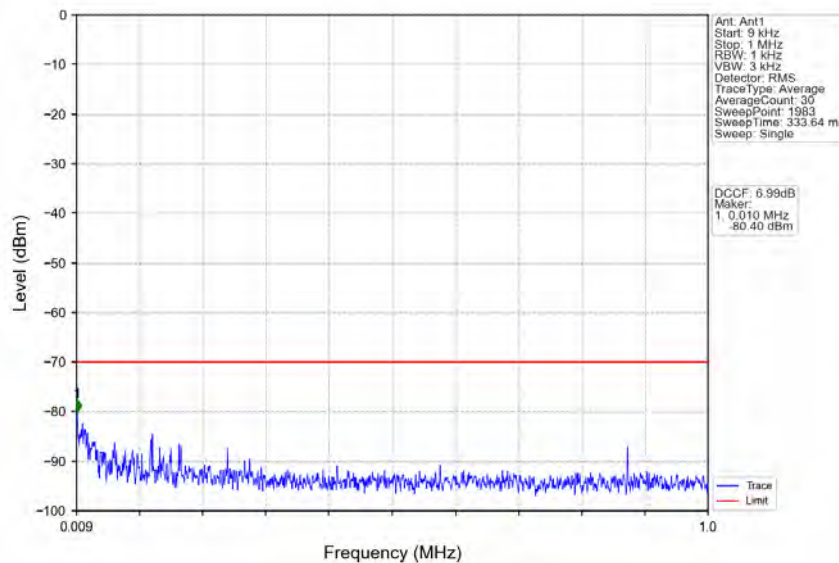
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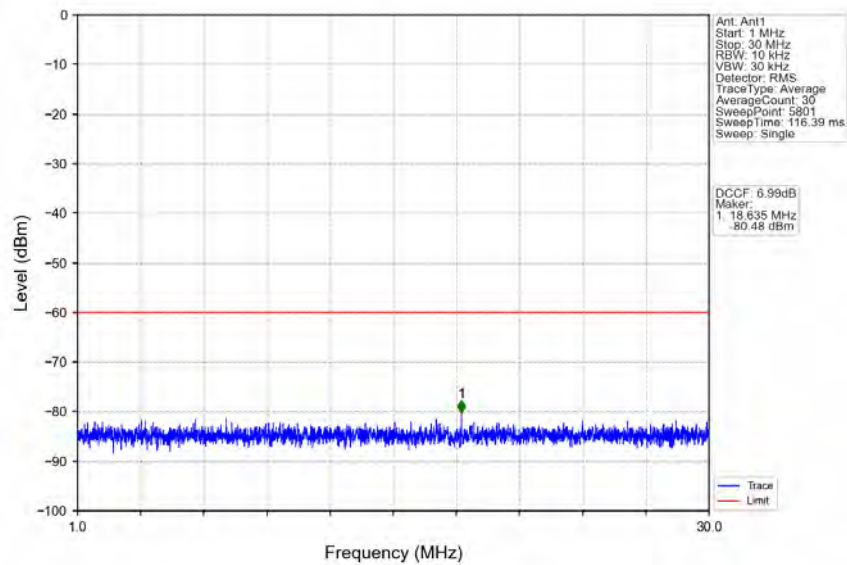
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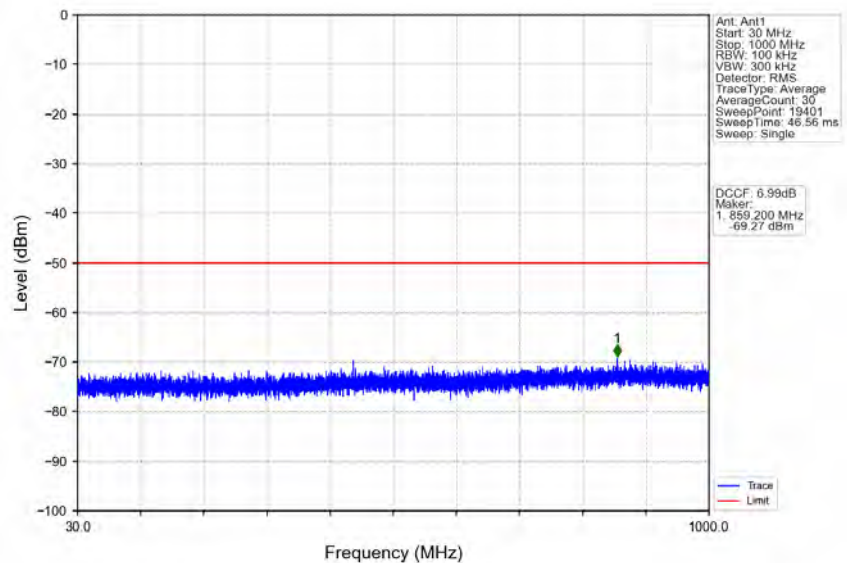
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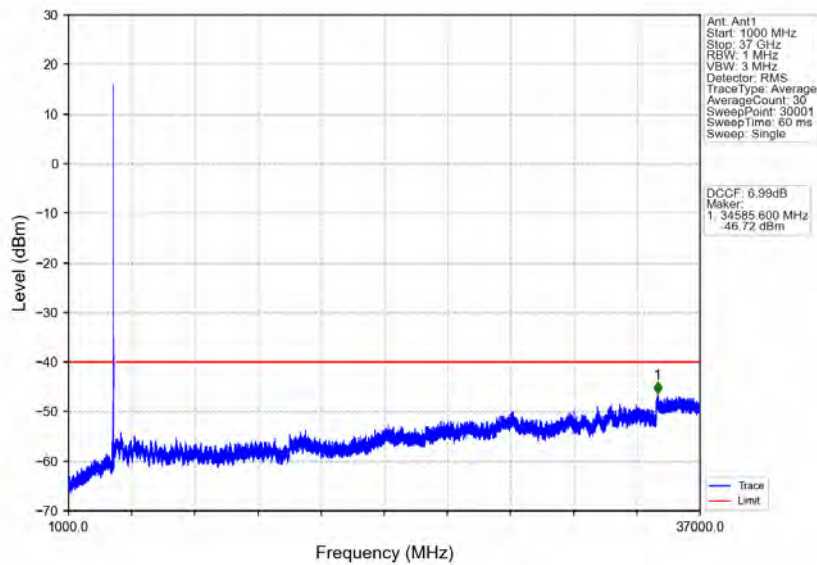
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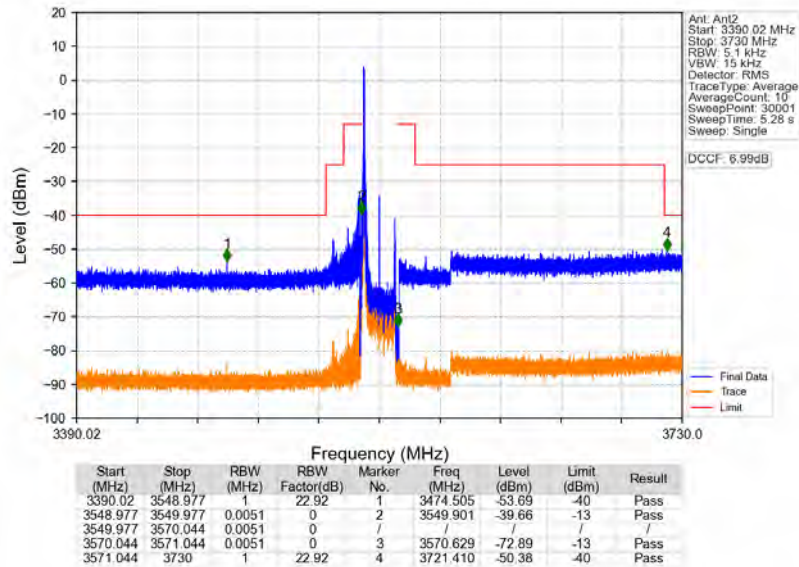
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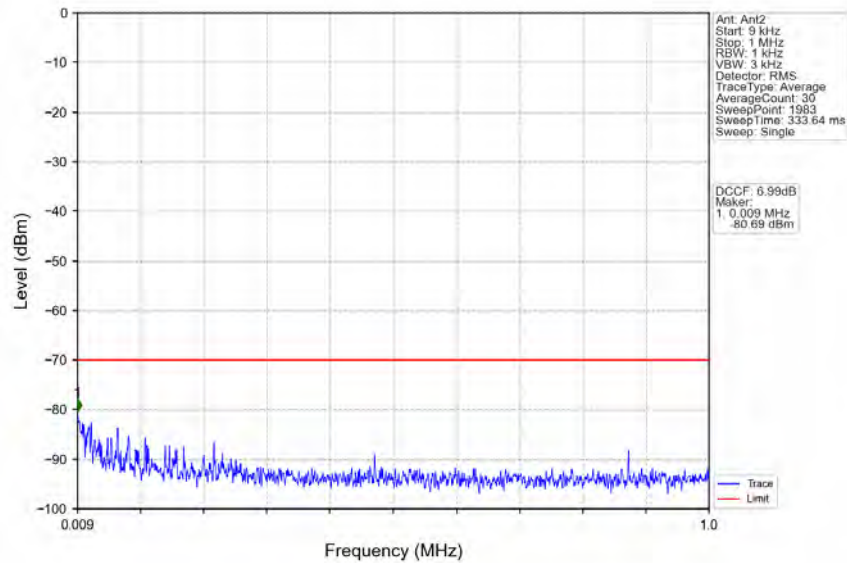
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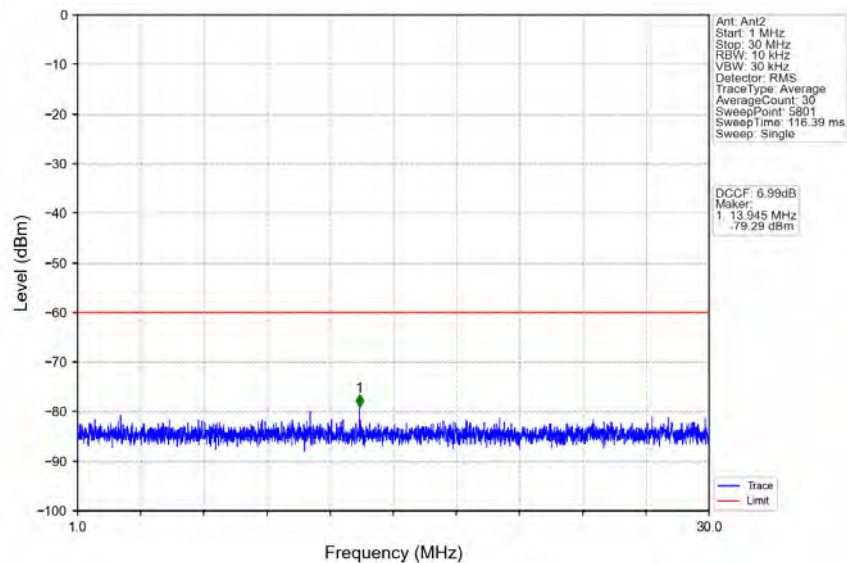
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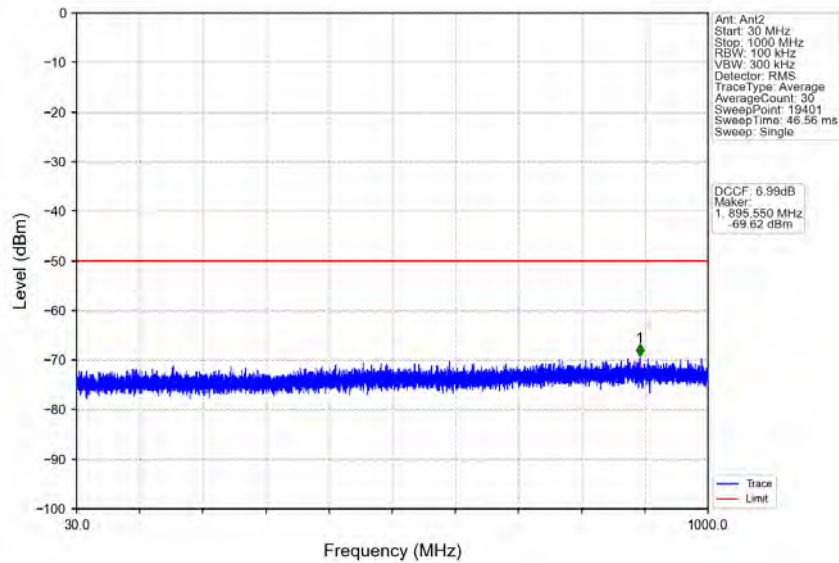
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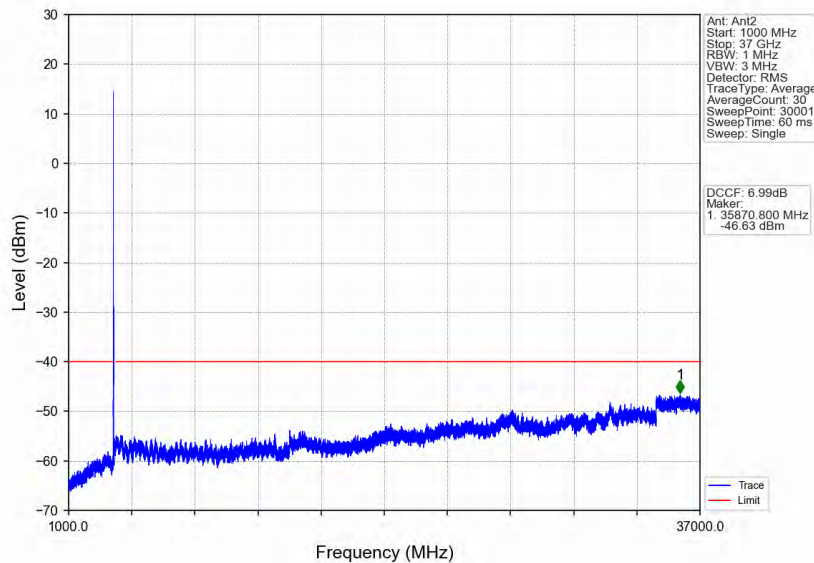
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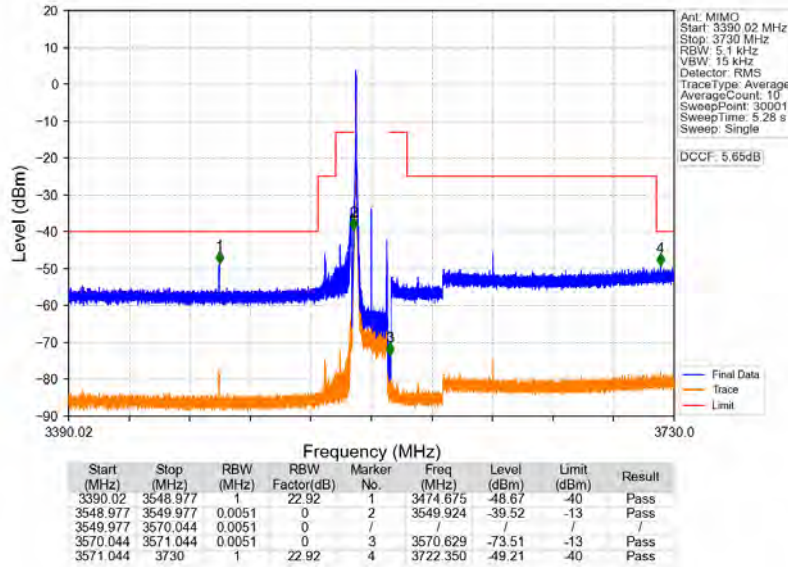
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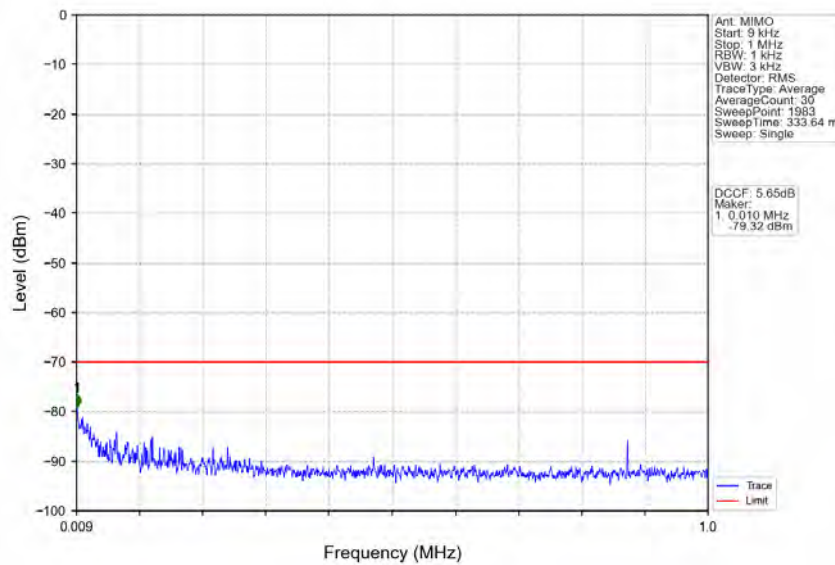
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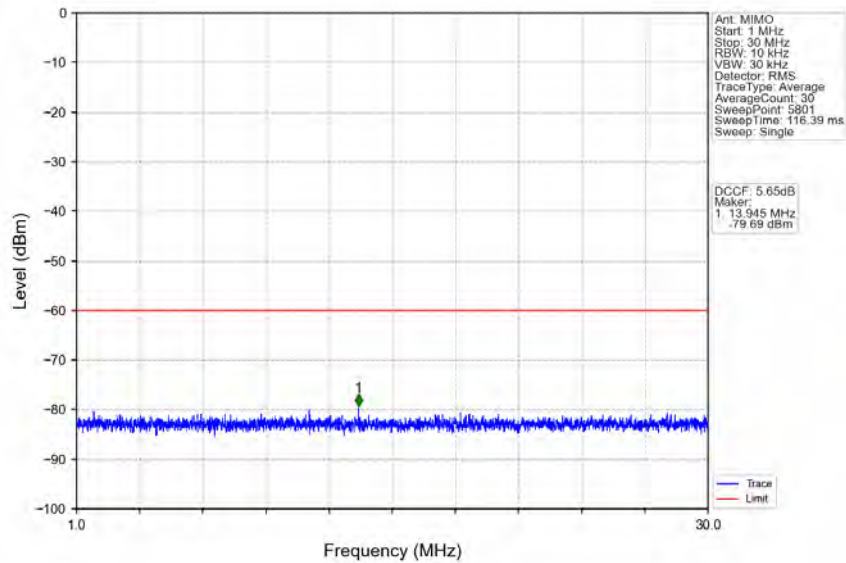
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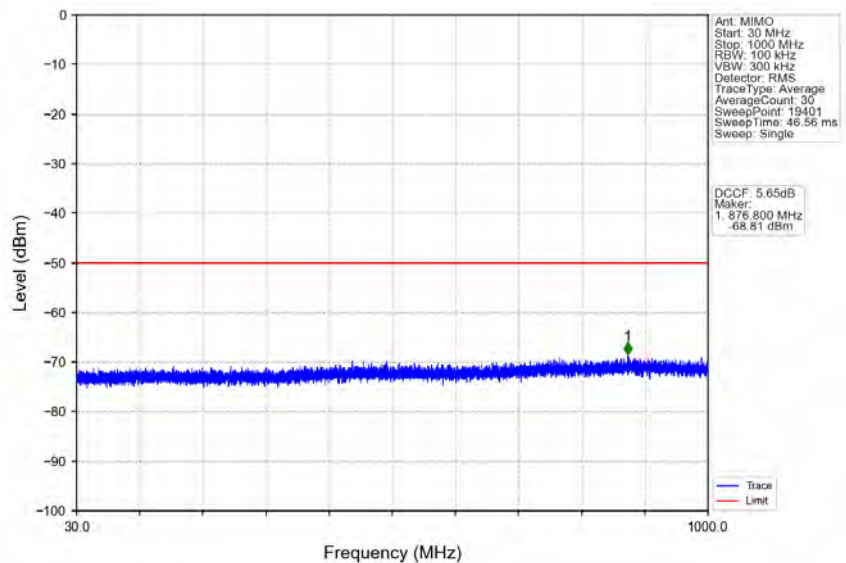
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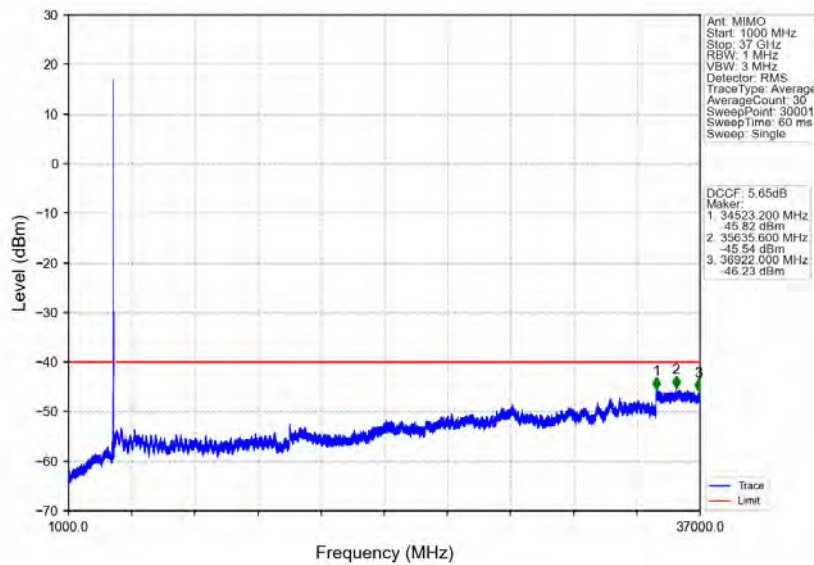
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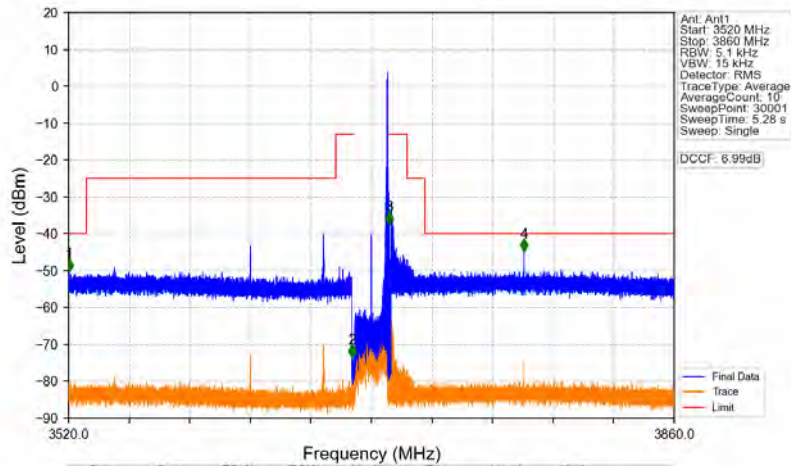
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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3560.01MHz_Inner_1RB_Left



n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3690MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3678.989	1	22.92	1	3520.306	-50.30	-40	Pass
3678.989	3679.989	0.0051	0	2	3679.154	-73.59	-13	Pass
3679.989	3700.012	0.0051	0	3	3700.087	-37.47	-13	Pass
3700.012	3701.012	0.0051	0	3	3700.087	-37.47	-13	Pass
3701.012	3860	1	22.92	4	3775.759	-44.74	-40	Pass



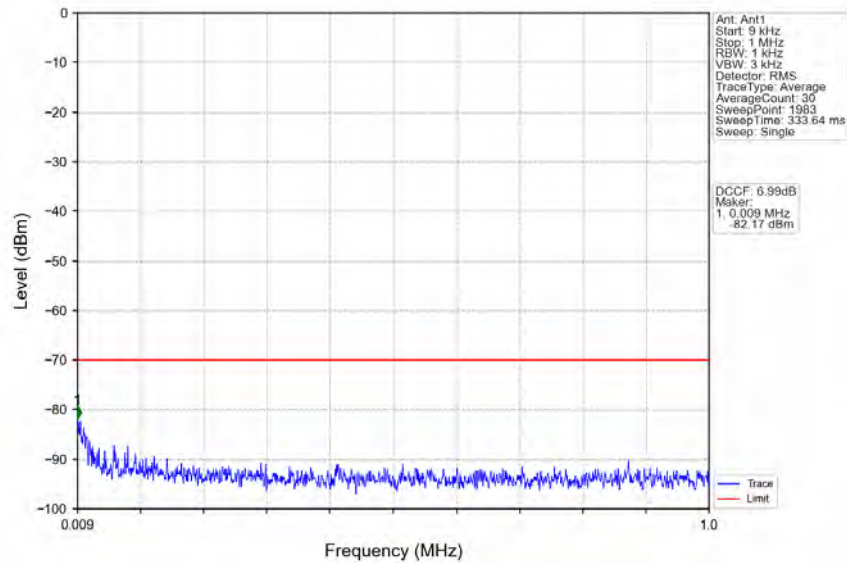
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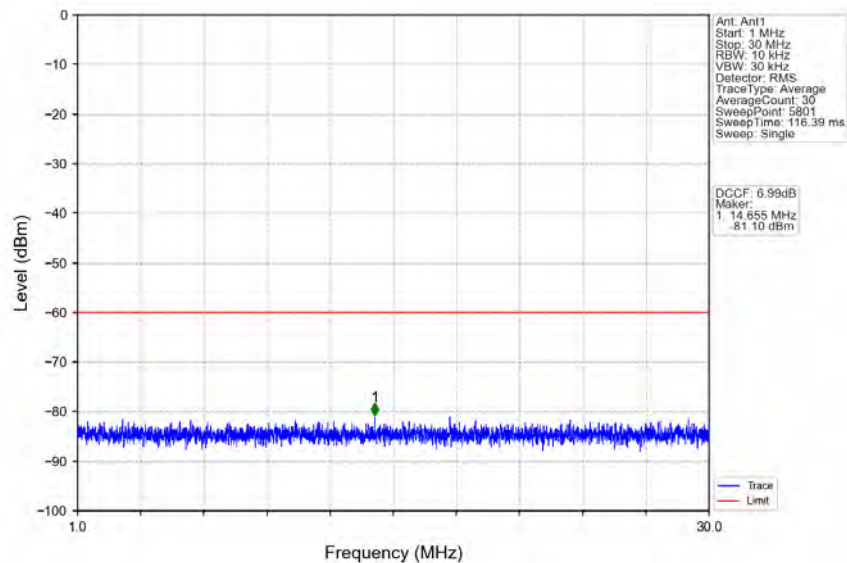
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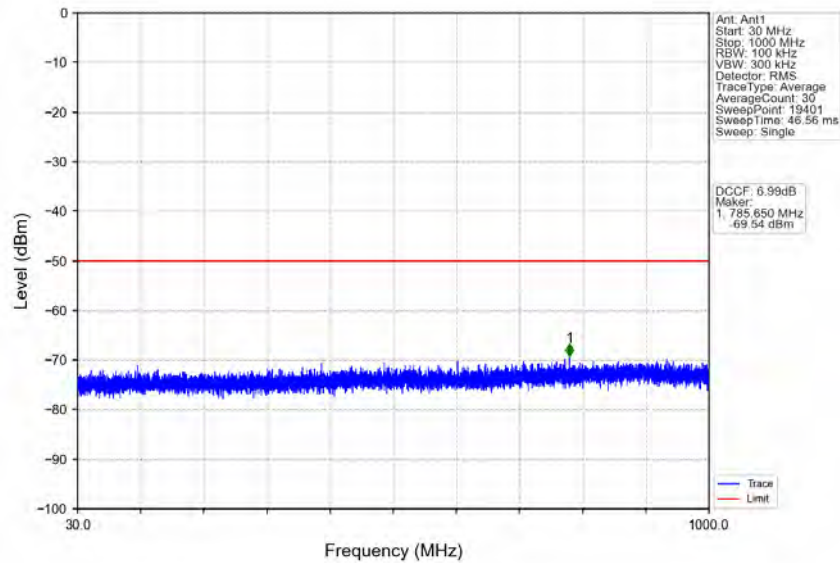
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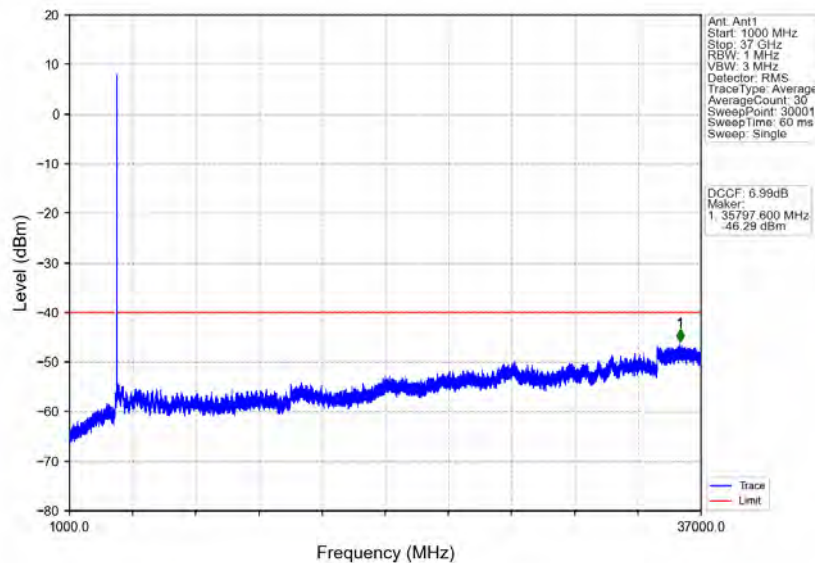
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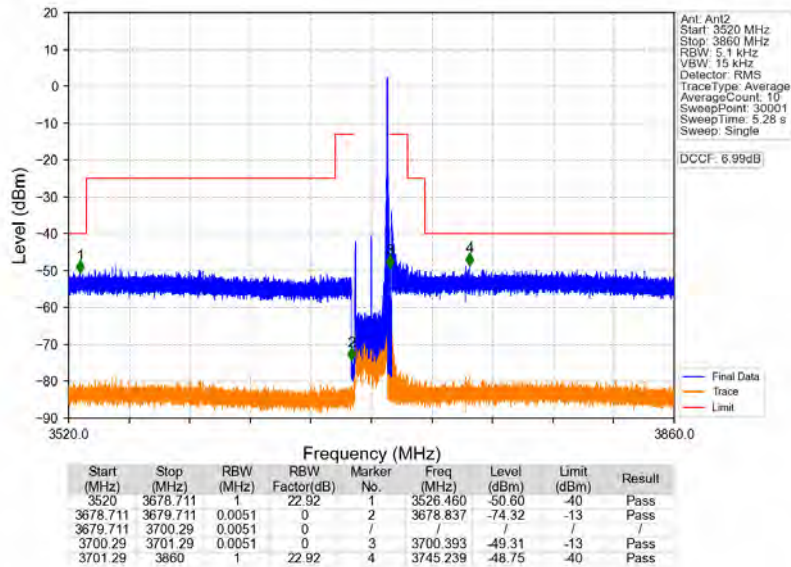
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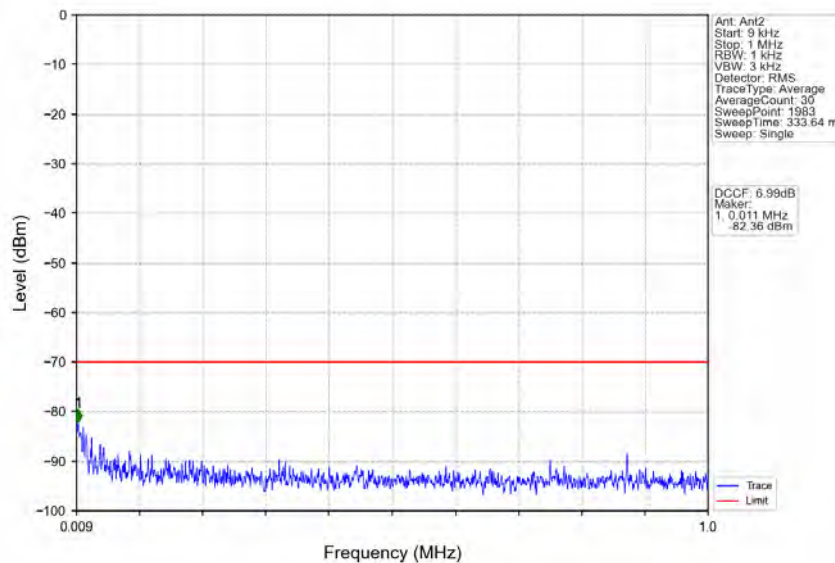
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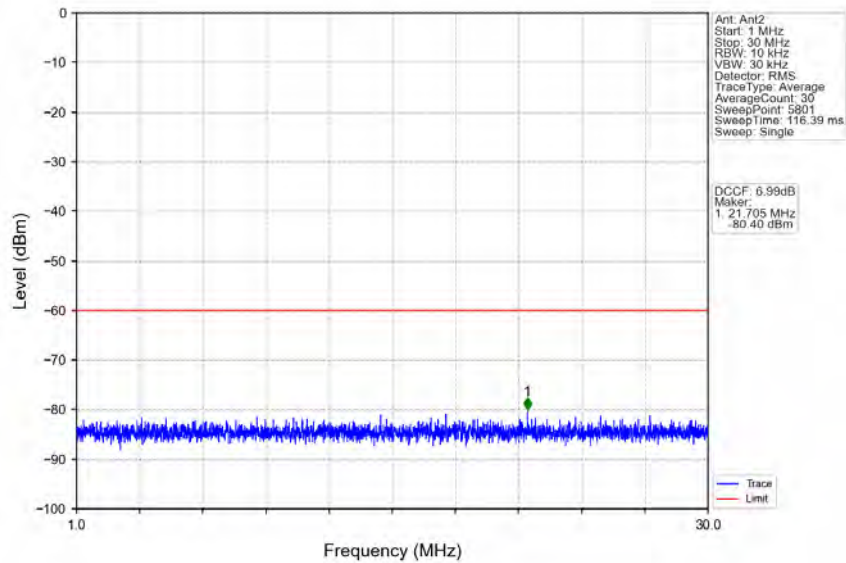
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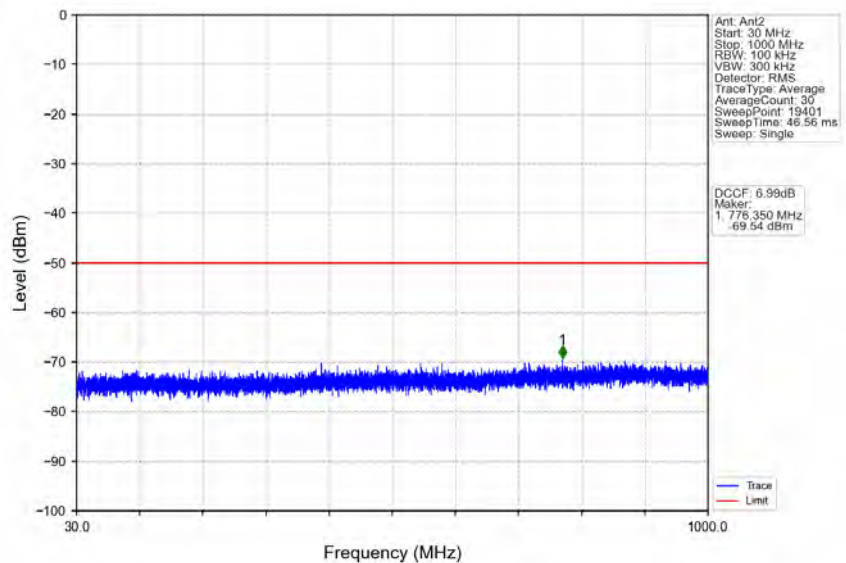
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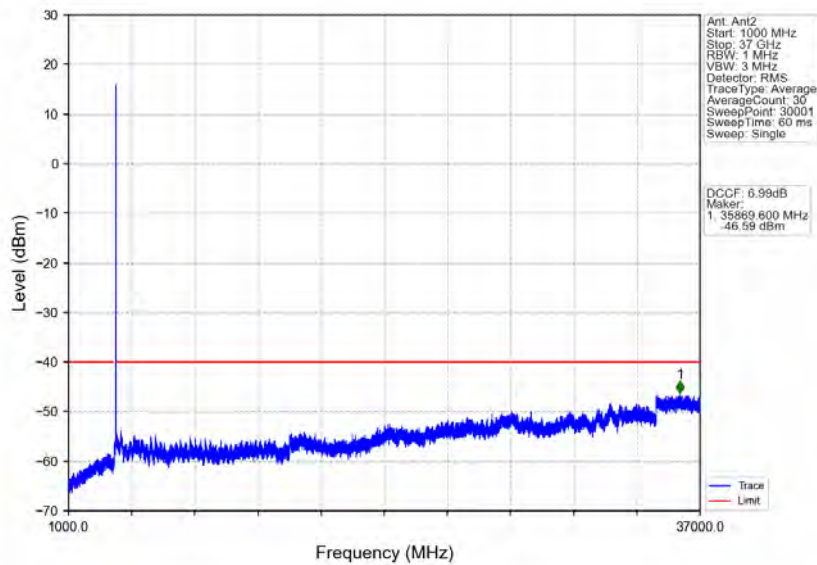
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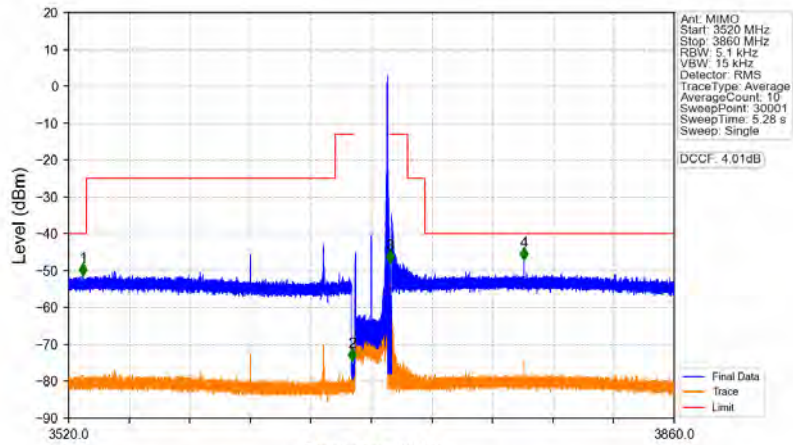
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n48_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3690MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3678.711	1	22.92	1	3528.160	-51.36	-40	Pass
3678.711	3679.711	0.0051	0	2	3679.154	-74.55	-13	Pass
3679.711	3700.29	0.0051	0	3	3700.393	-47.94	-13	Pass
3700.29	3701.29	0.0051	0	4	3701.29	-47.15	-40	Pass



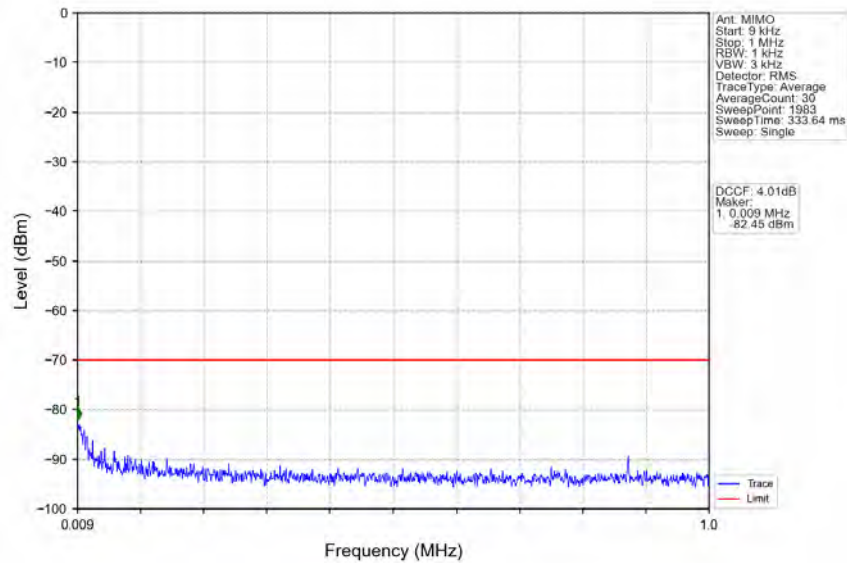
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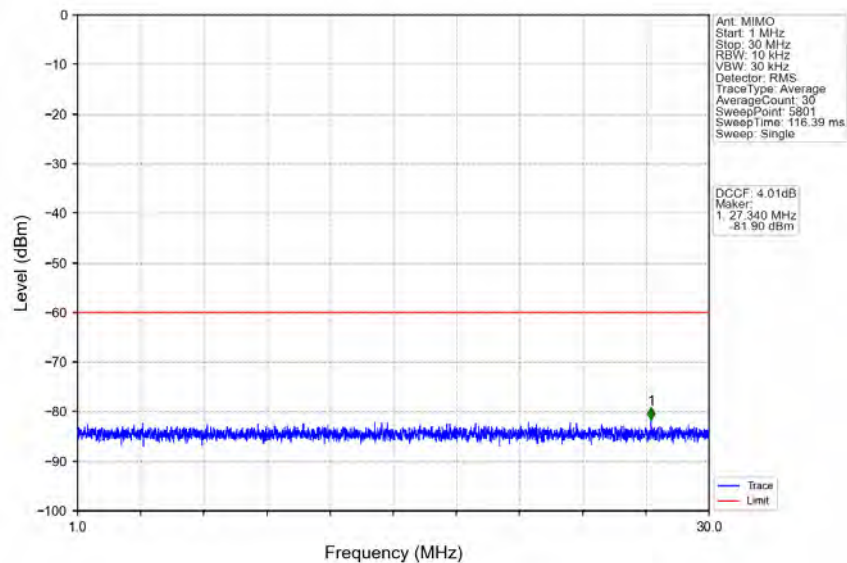
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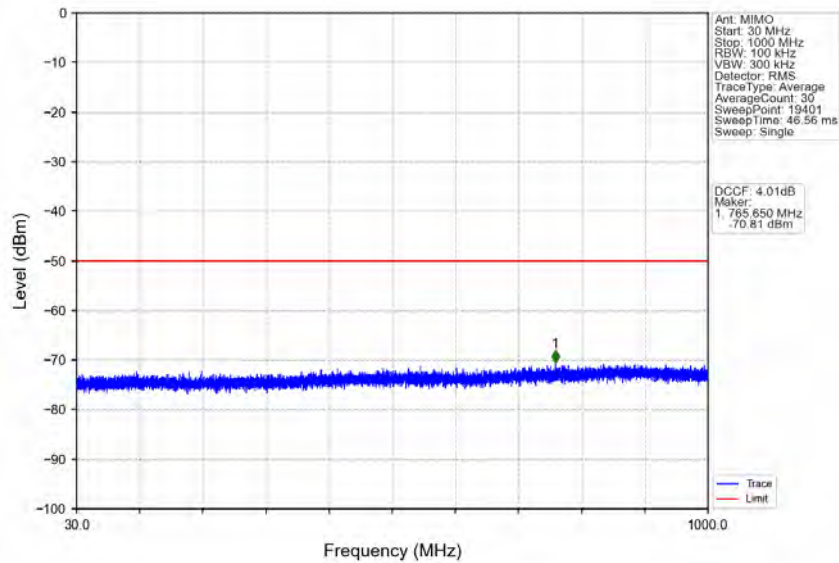
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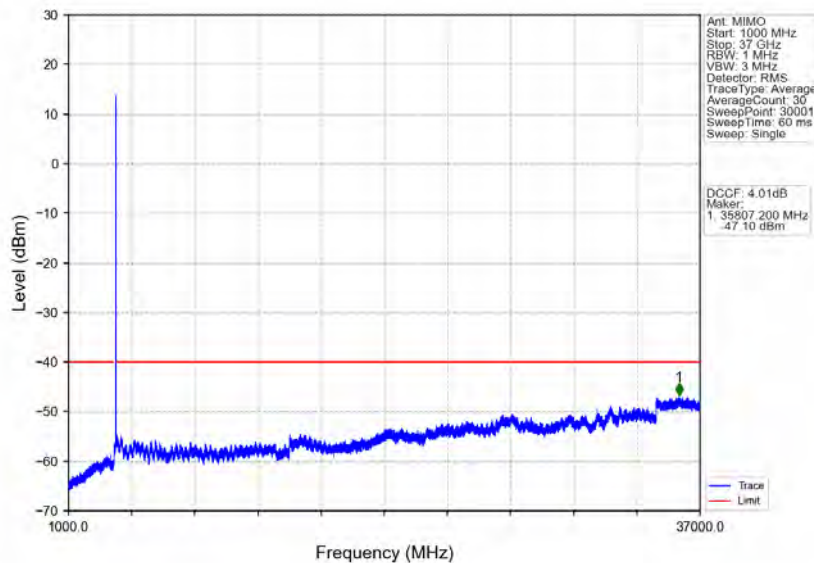
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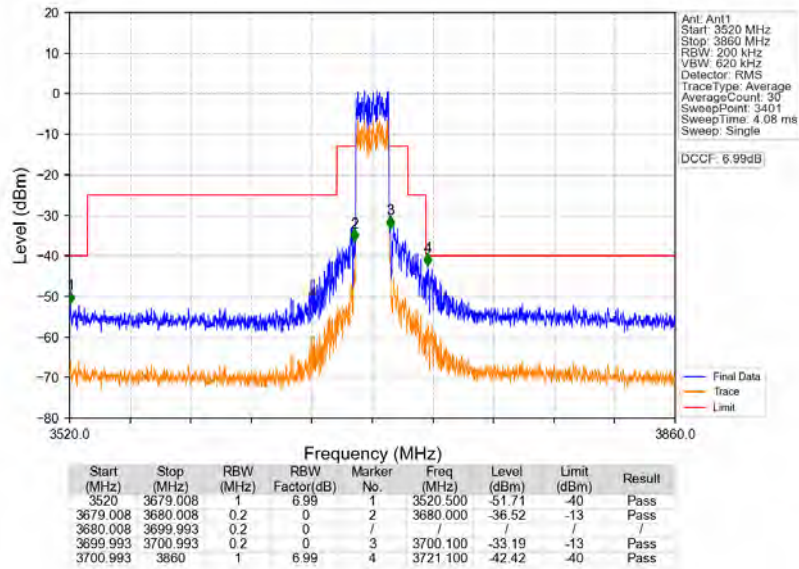
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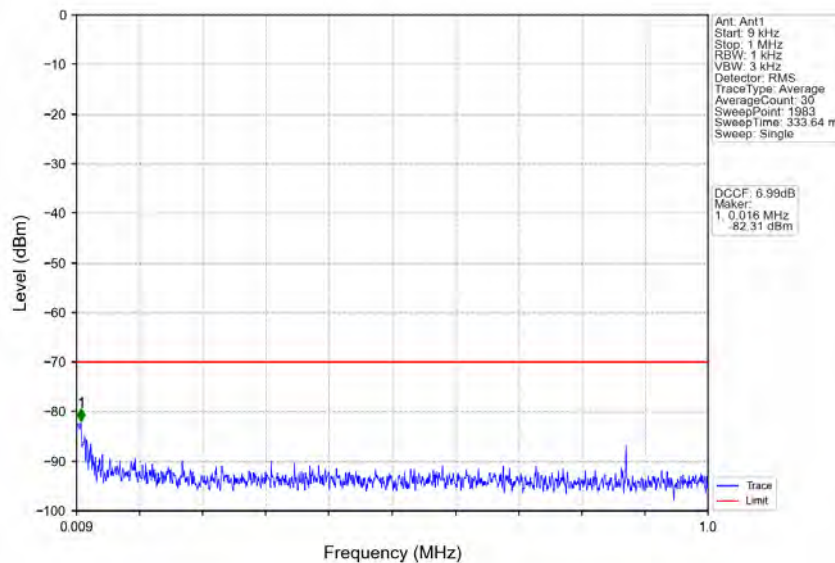
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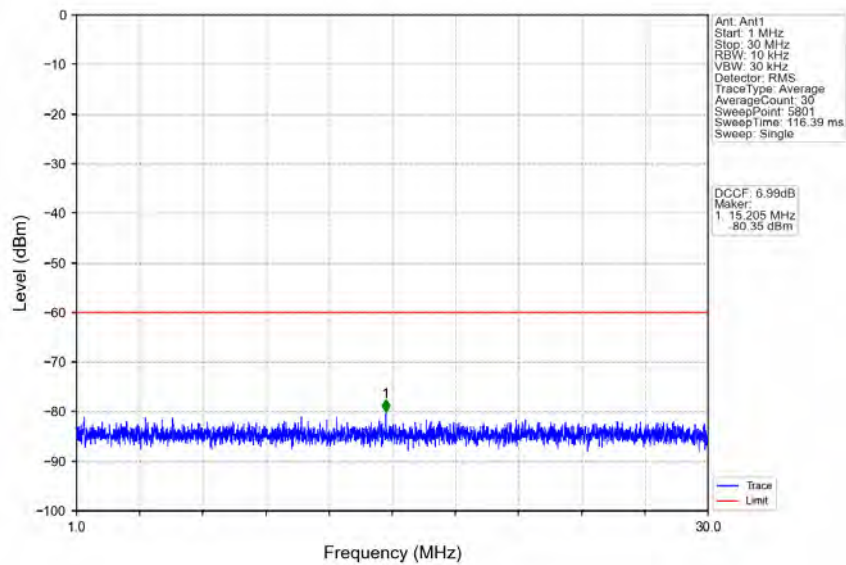
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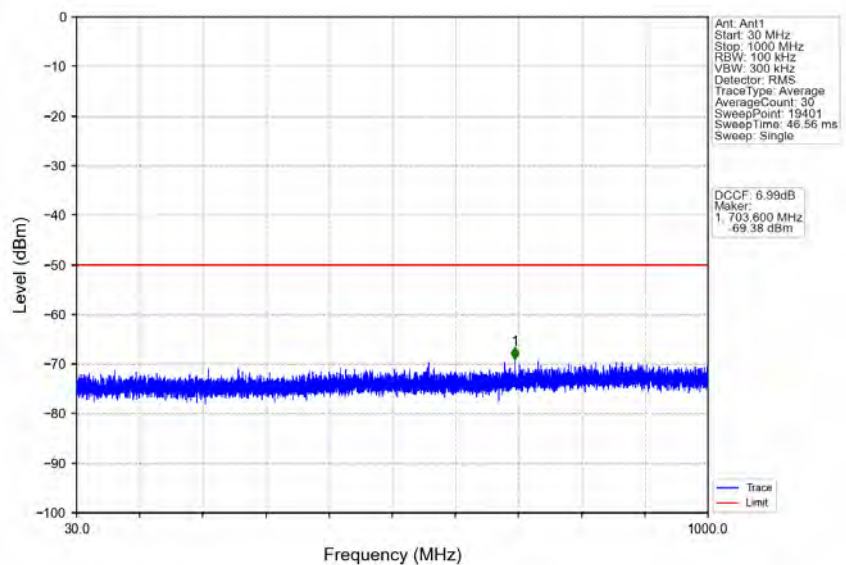


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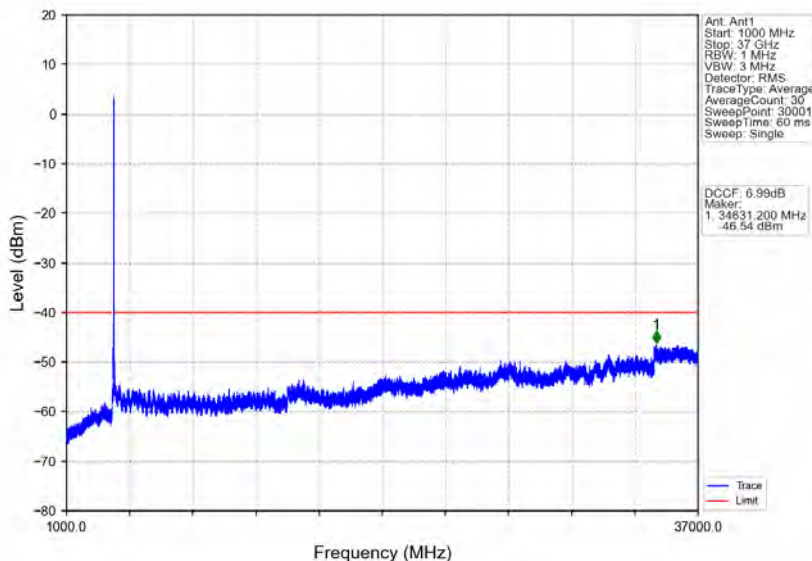
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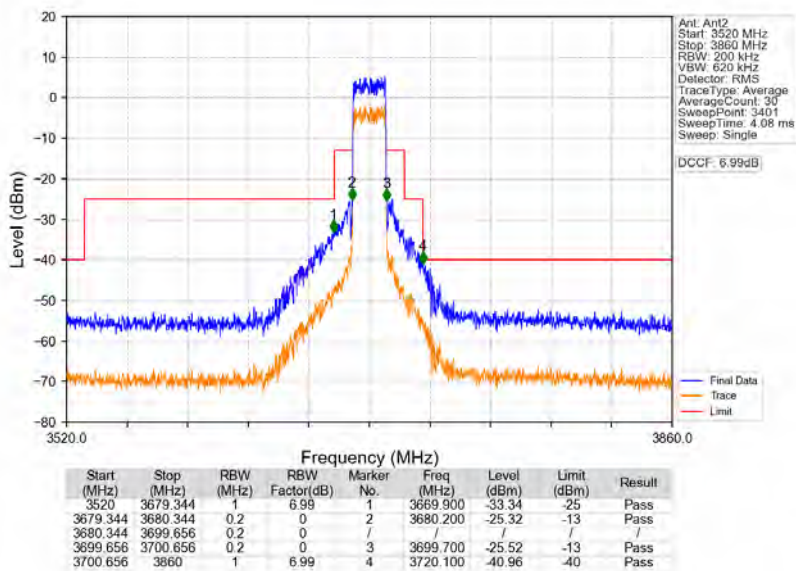
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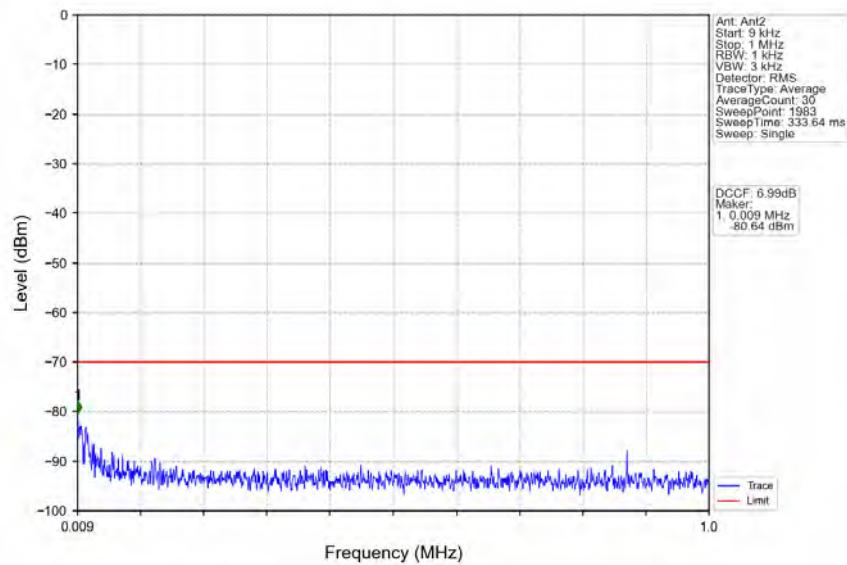
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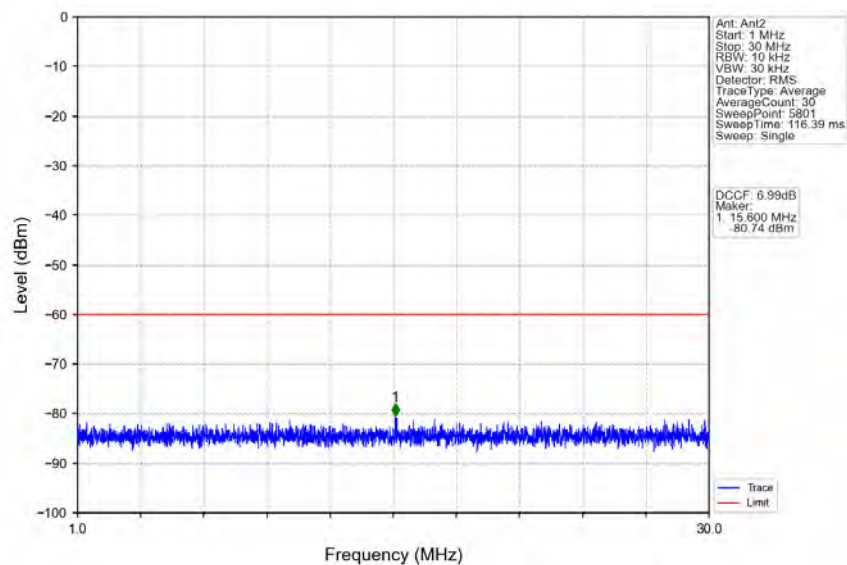
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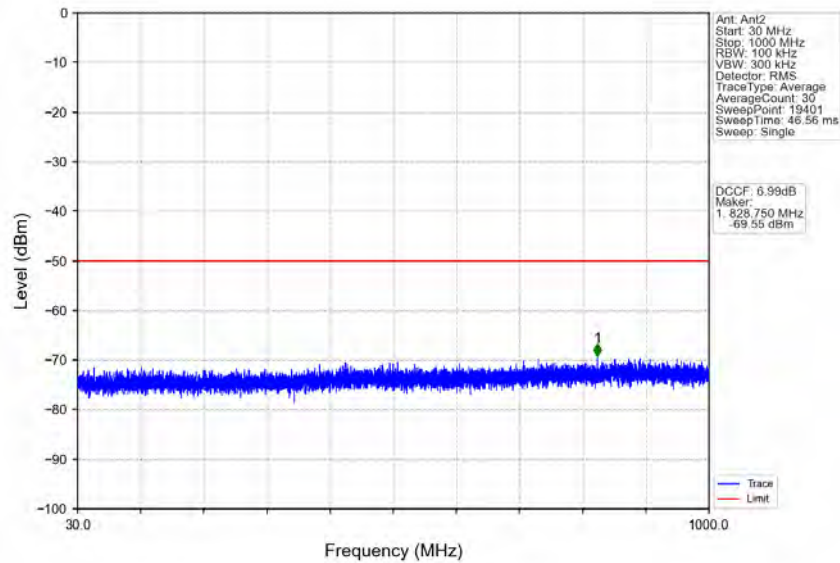
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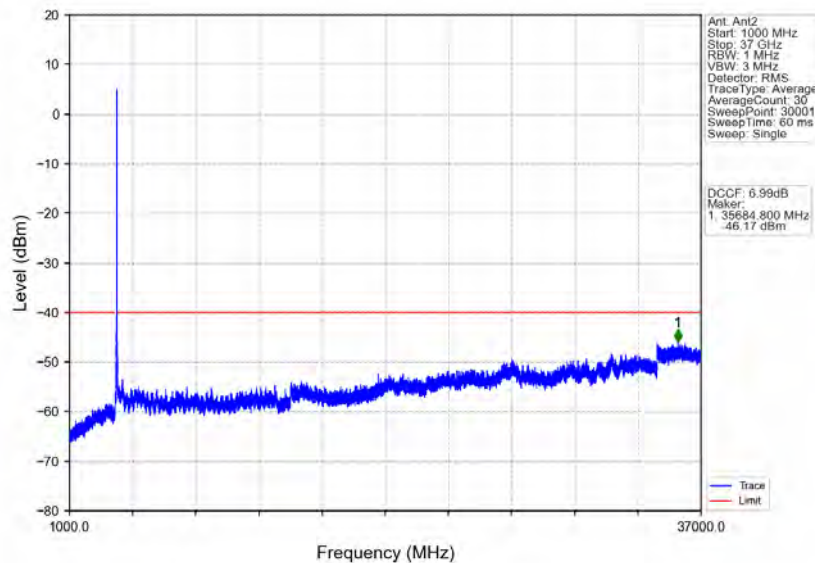
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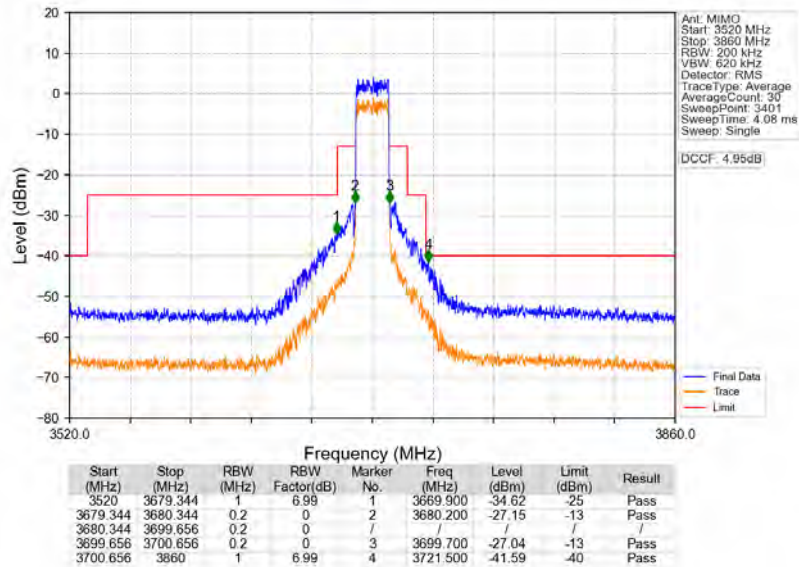
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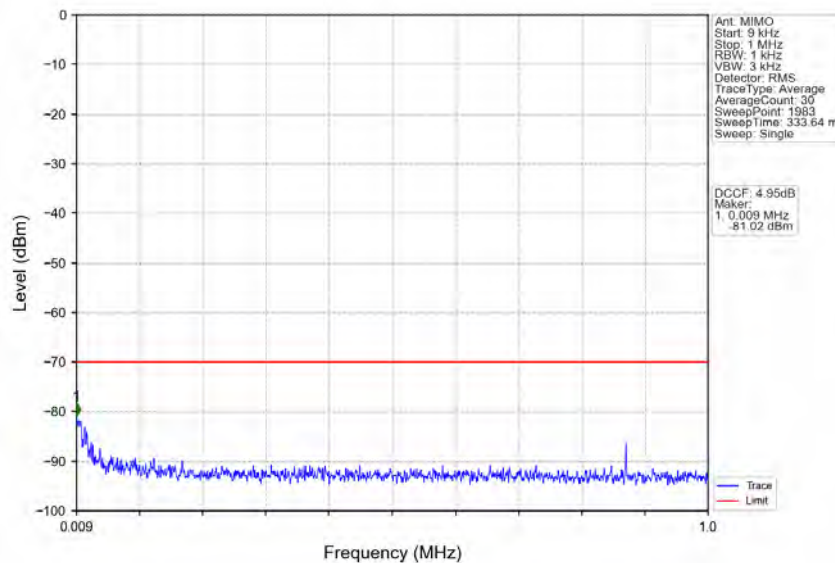
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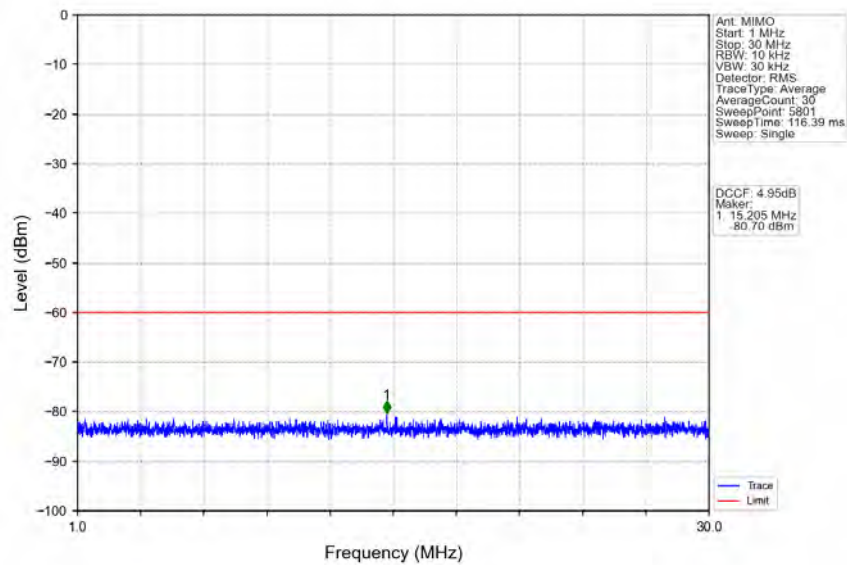
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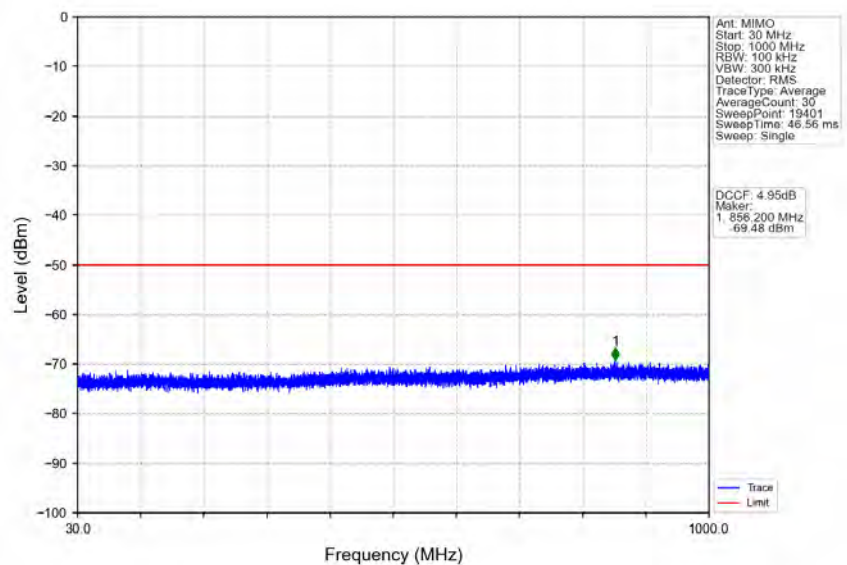
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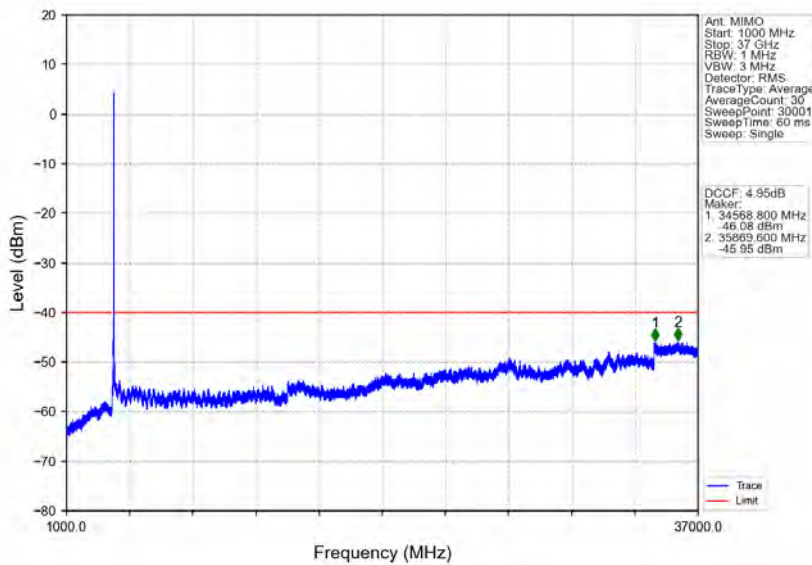
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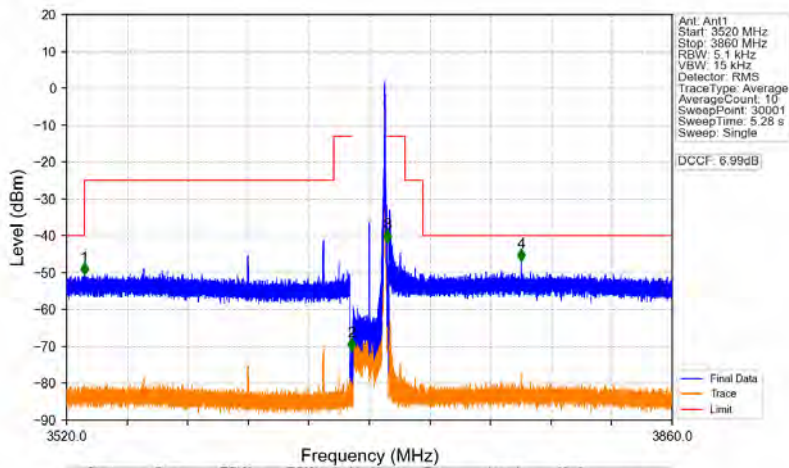
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3679.008	1	22.92	1	3529.996	-50.67	-40	Pass
3679.008	3680.008	0.0051	0	2	3680.004	-71.12	-13	Pass
3680.008	3699.993	0.0051	0	3	3700.087	-41.79	-13	Pass
3699.993	3700.993	0.0051	0	4	3775.306	-46.92	-40	Pass



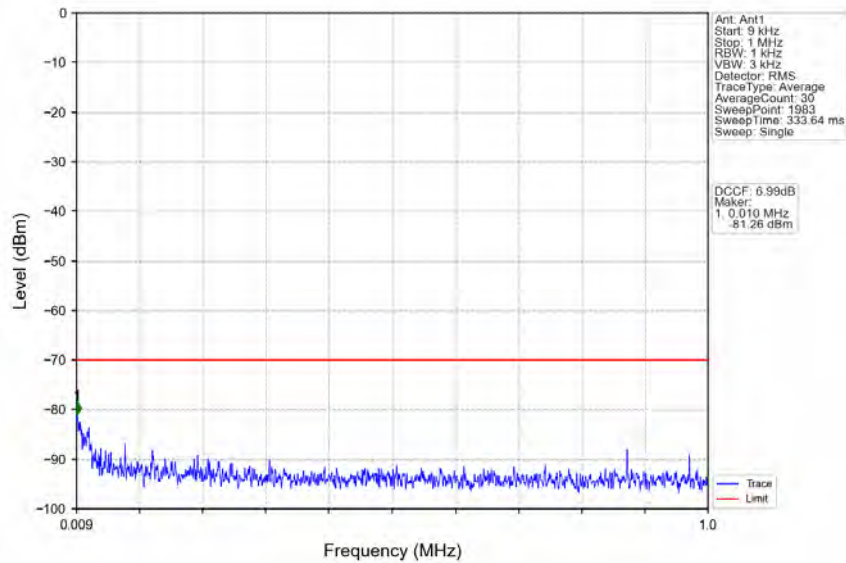
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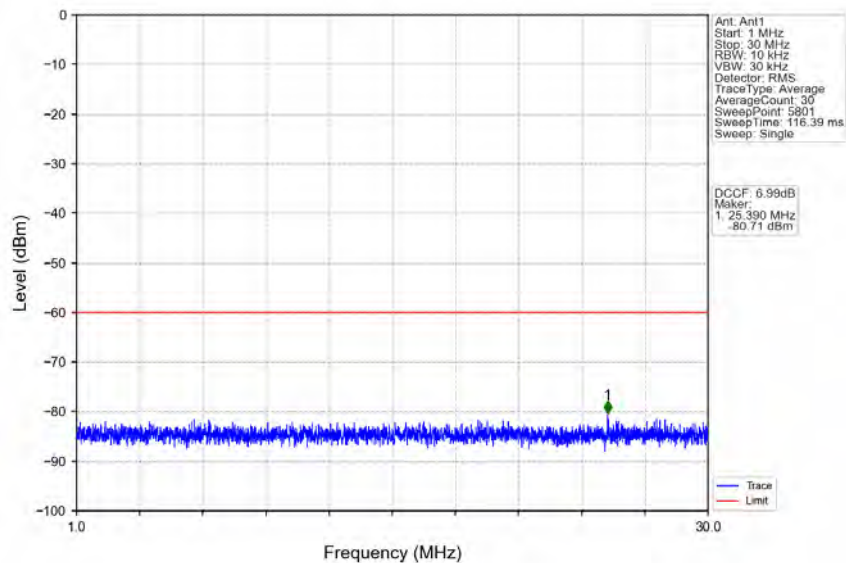
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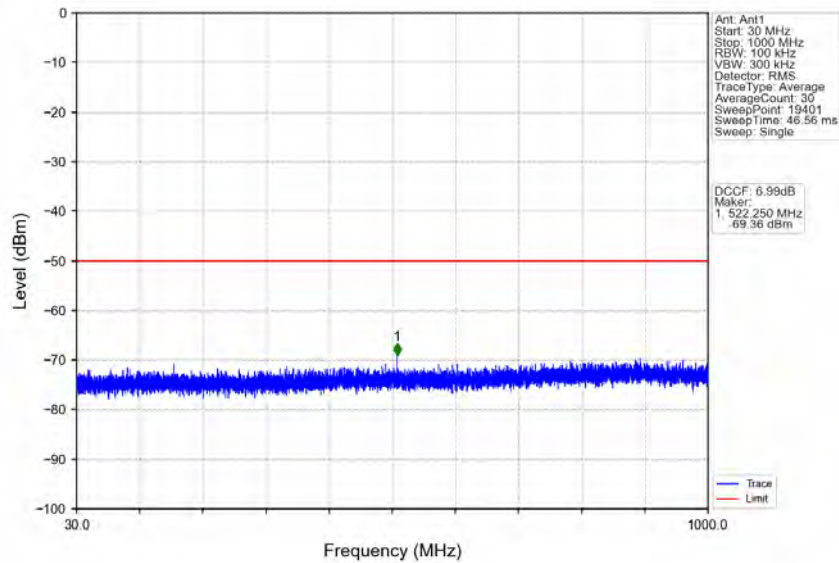
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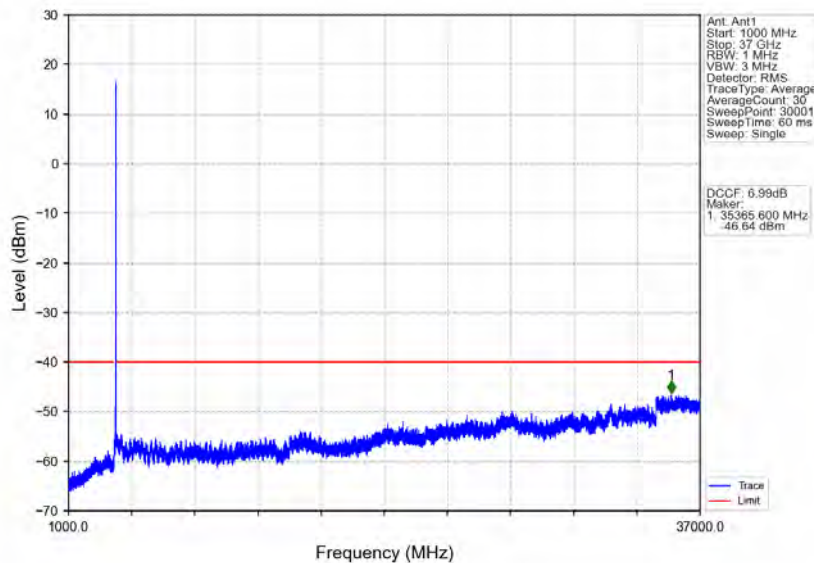
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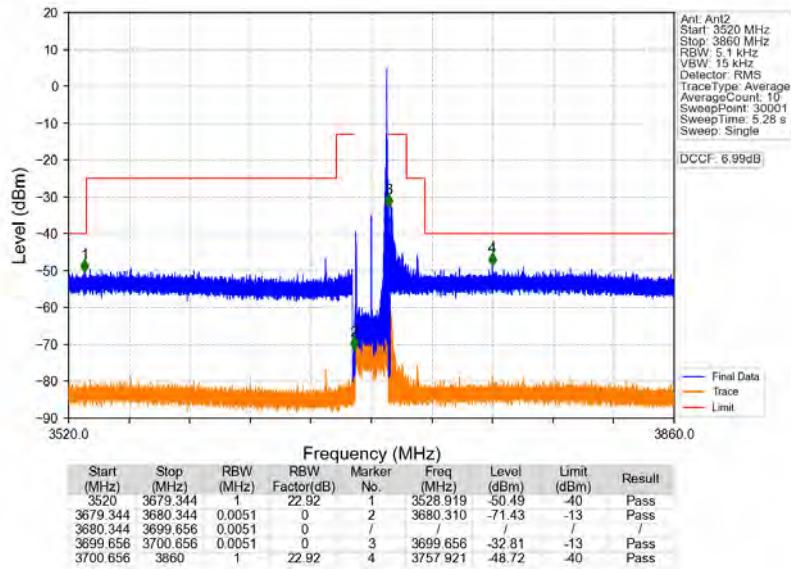
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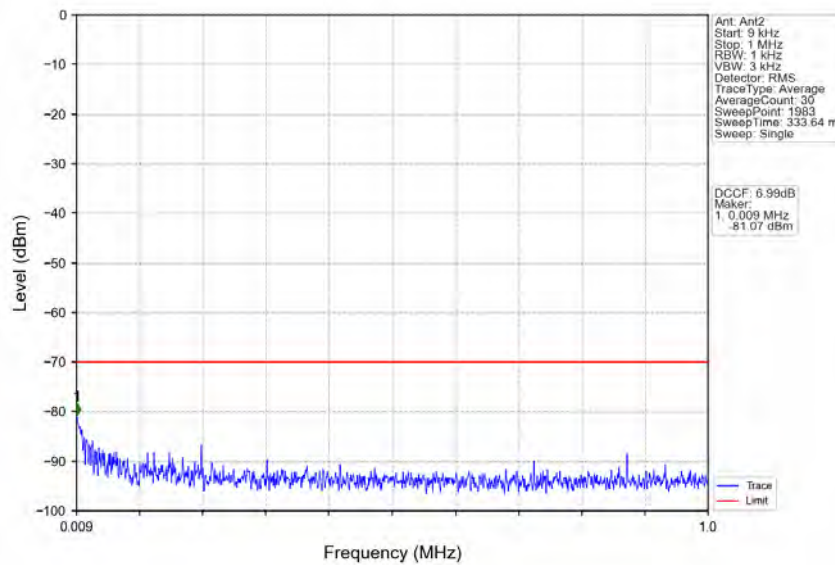
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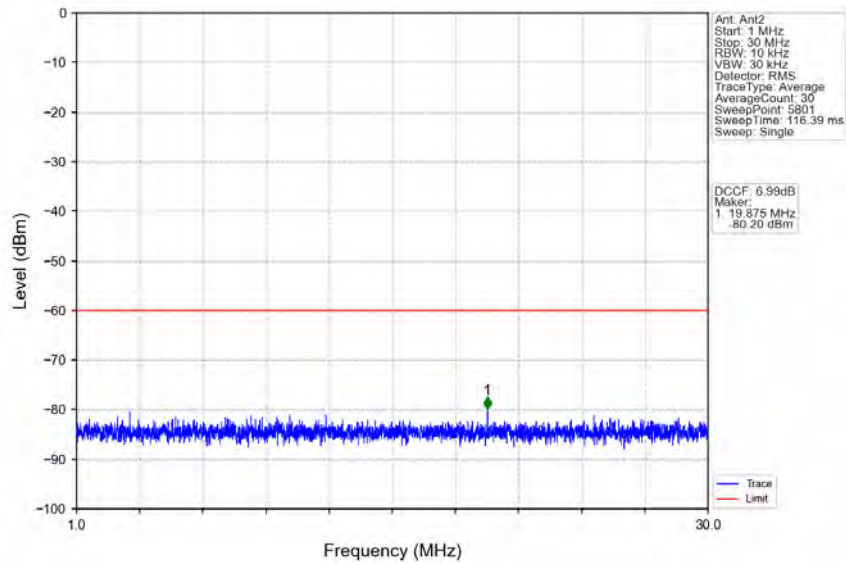
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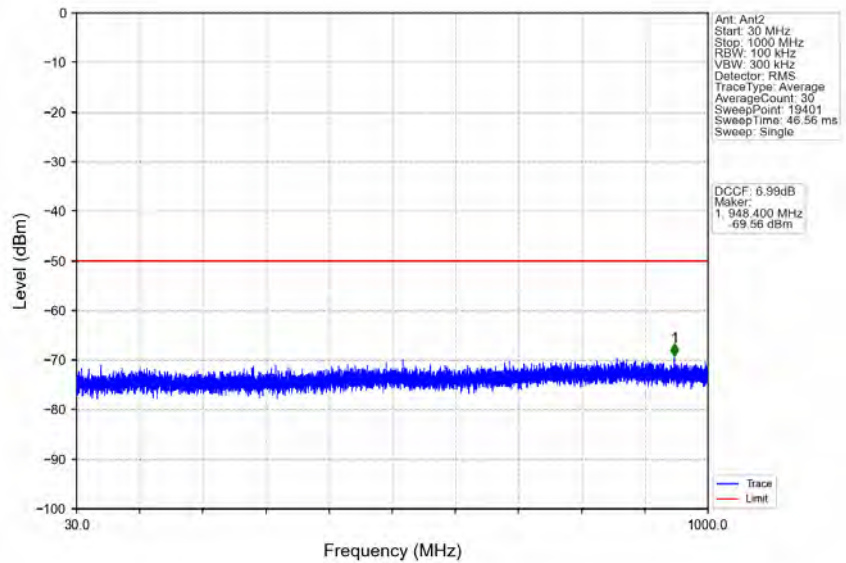


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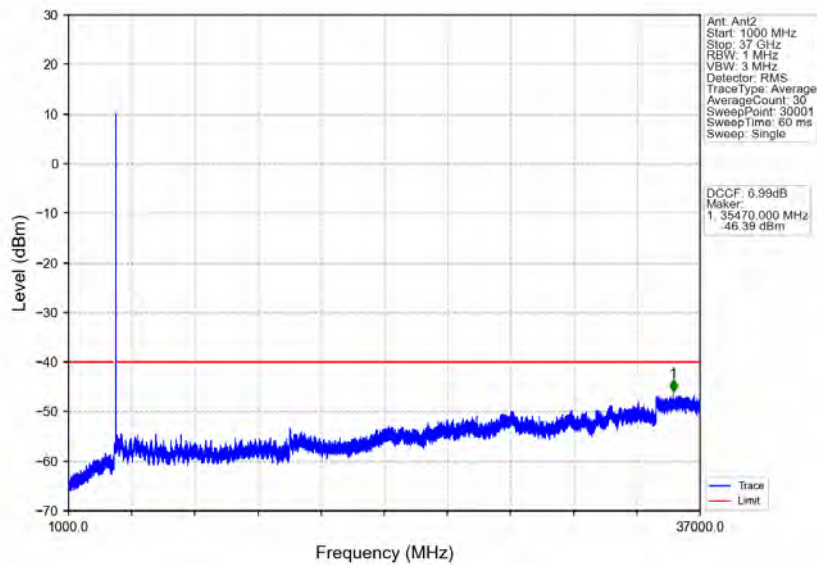
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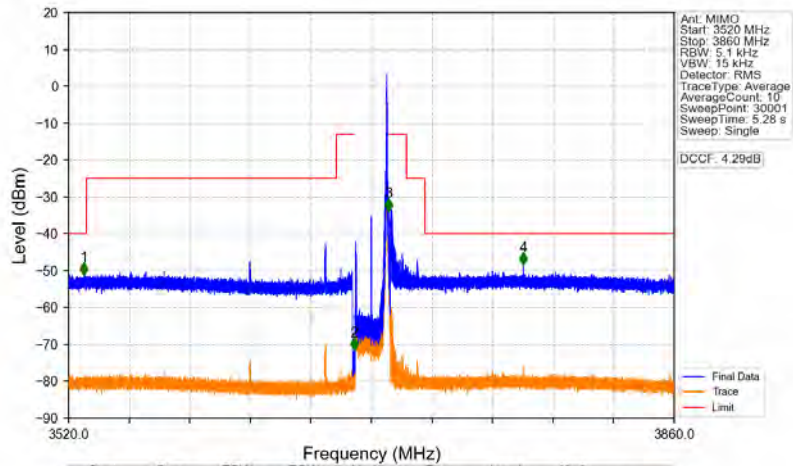
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3679.344	1	22.92	1	3528.602	-51.24	-40	Pass
3679.344	3680.344	0.0051	0	2	3680.310	-71.63	-13	Pass
3680.344	3699.656	0.0051	0	3	3699.656	-33.84	-13	Pass
3699.656	3700.656	0.0051	0	3	3699.656	-33.84	-13	Pass
3700.656	3860	1	22.92	4	3775.306	-48.44	-40	Pass



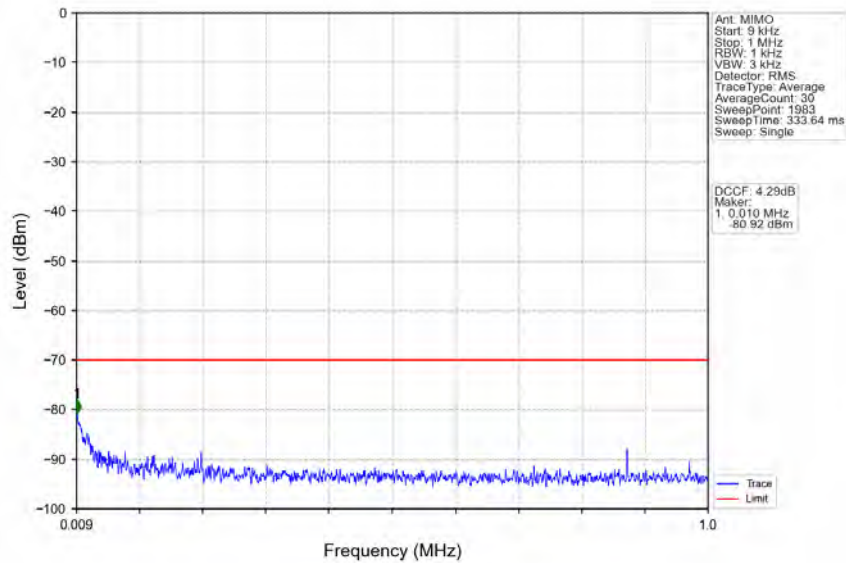
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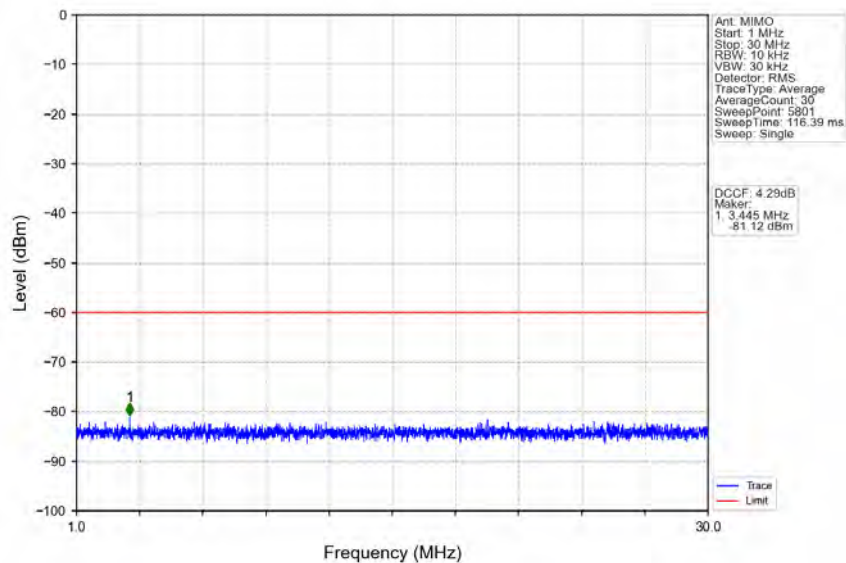
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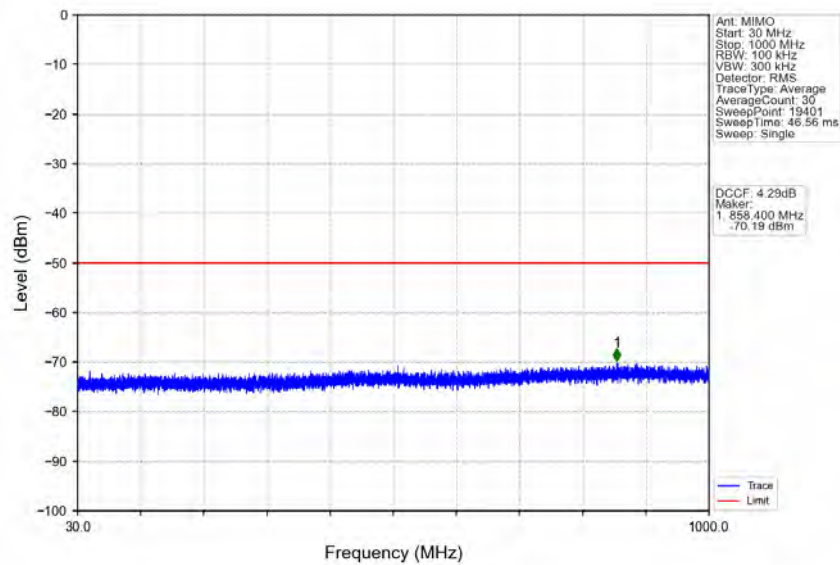
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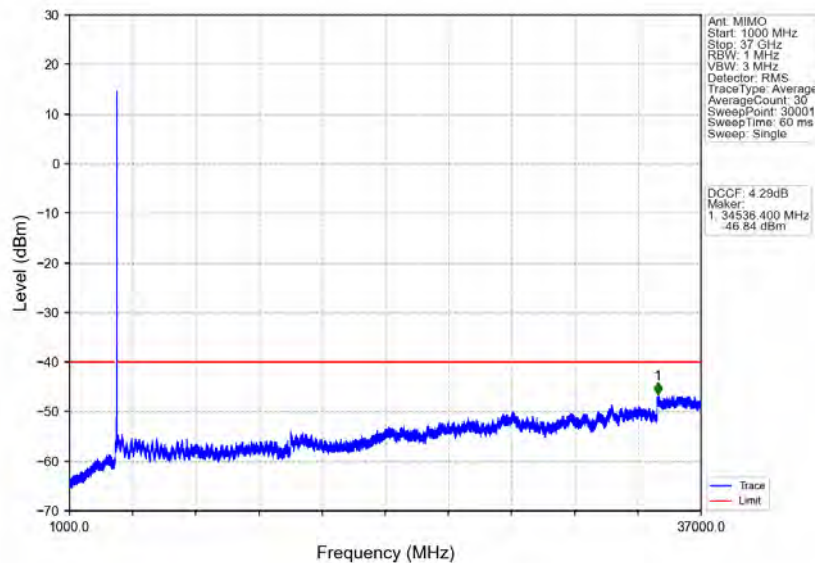
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6.3 30k_MIMO_40MHz_NTNV

6.3.1 Test Result

5G NR n48 SCS=30kHz MIMO 40MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3570	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3679.98	Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	Outer_Full	Refer To Test Graph				Pass	
		Refer To Test Graph				Pass	
		Refer To Test Graph				Pass	
	Inner_1RB_Right	Refer To Test Graph				Pass	
Refer To Test Graph				Pass			
Refer To Test Graph				Pass			



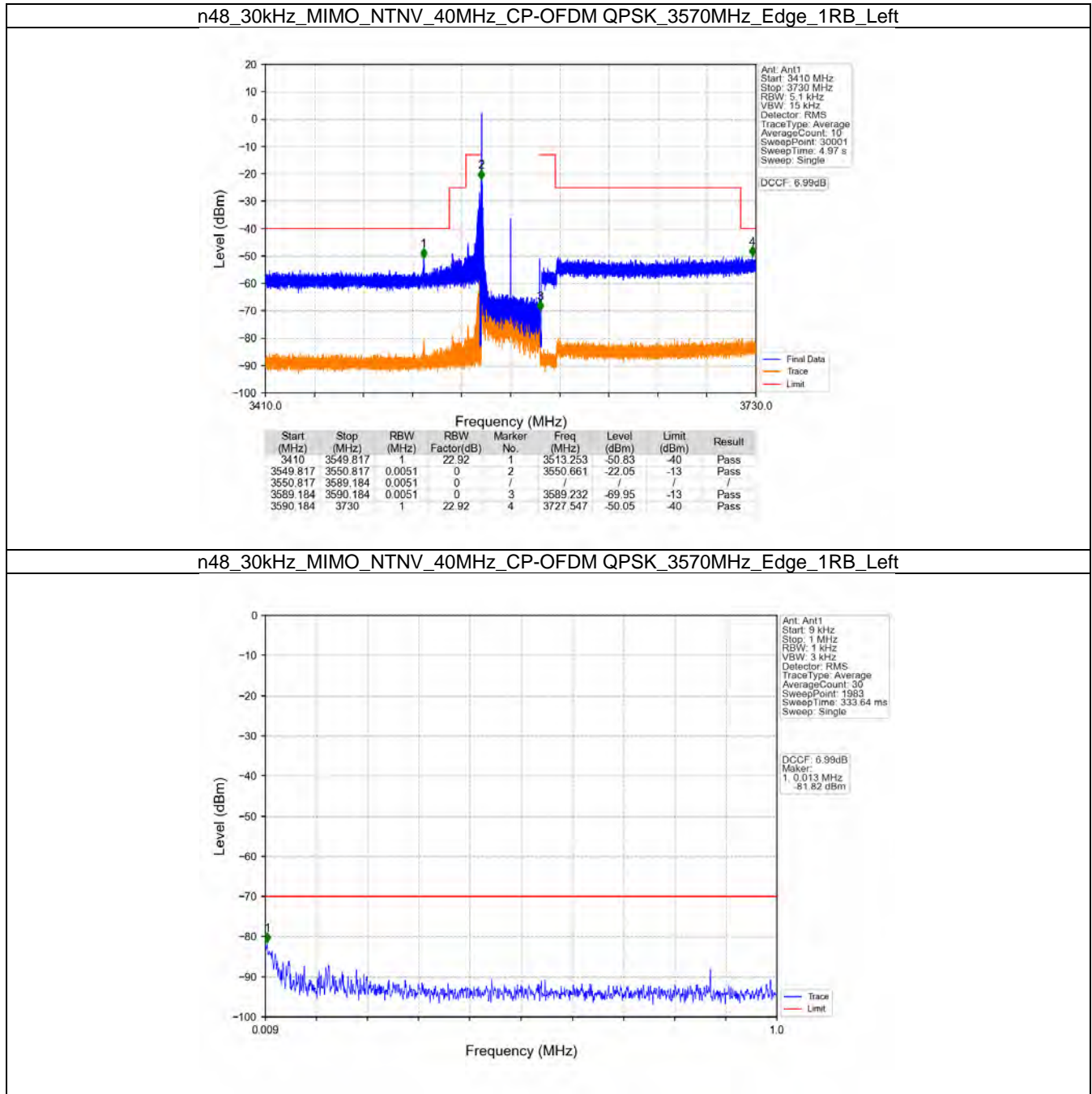
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6.3.2 Test Graph



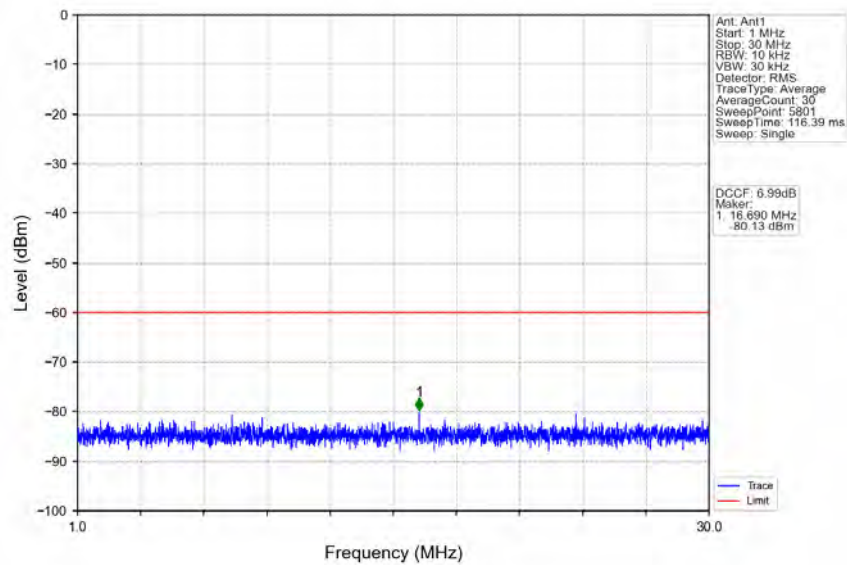
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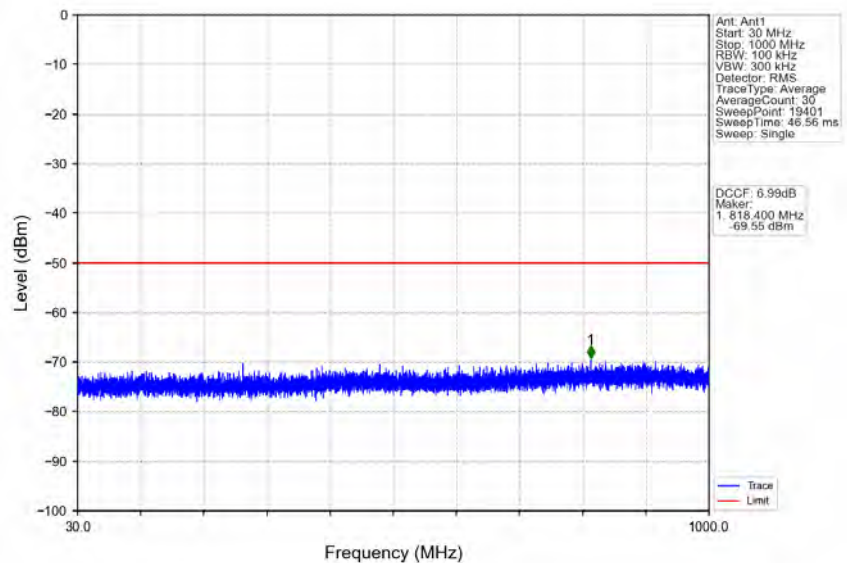
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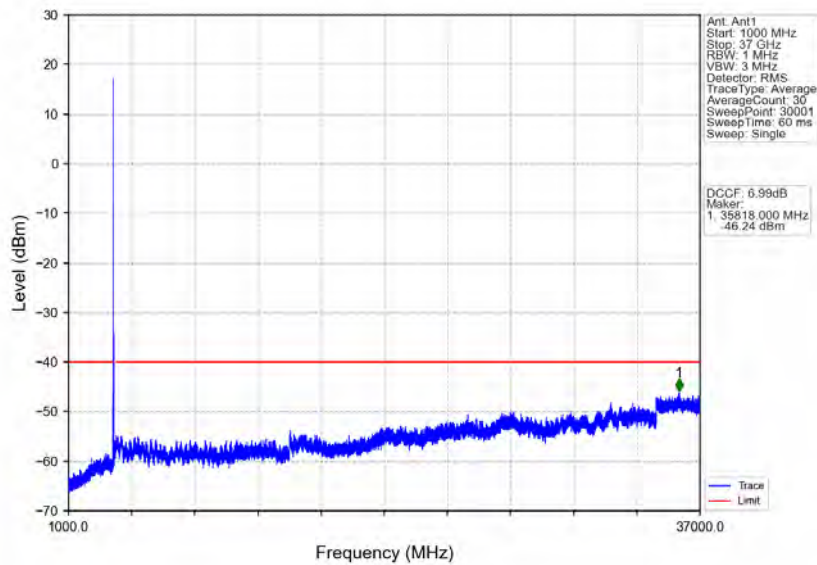
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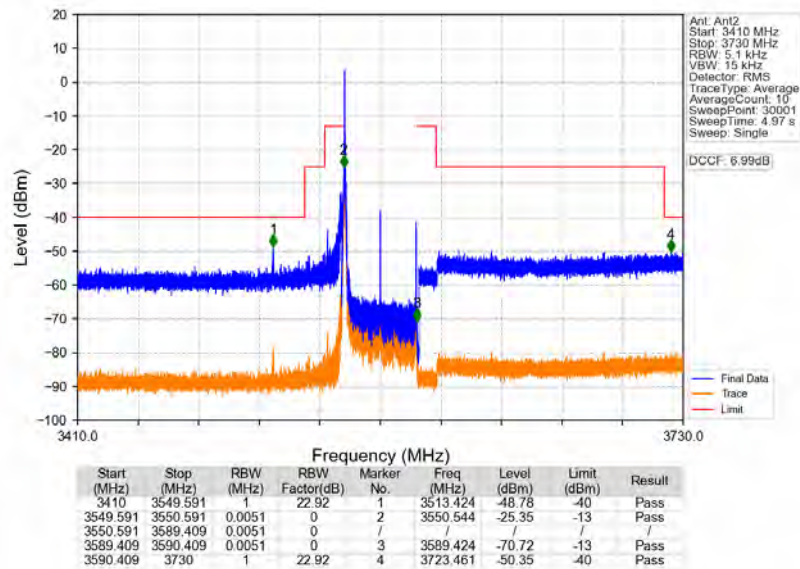
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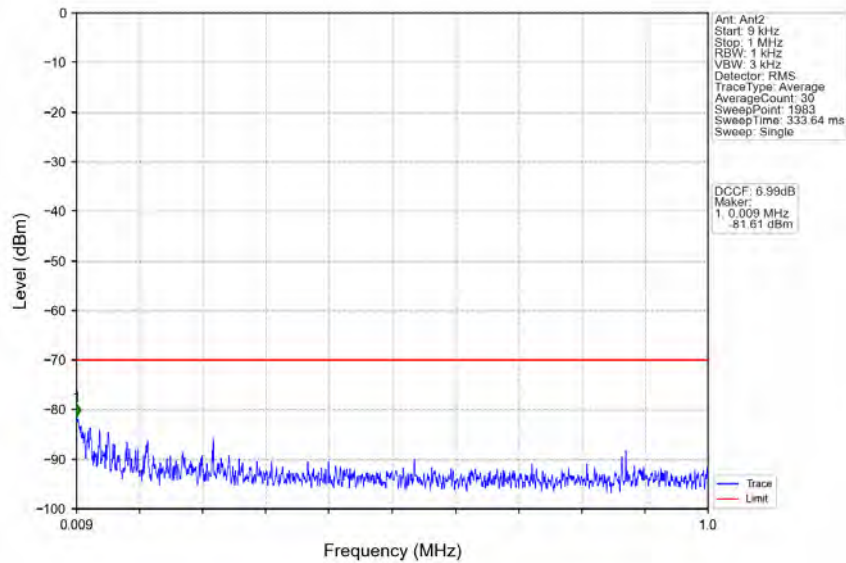
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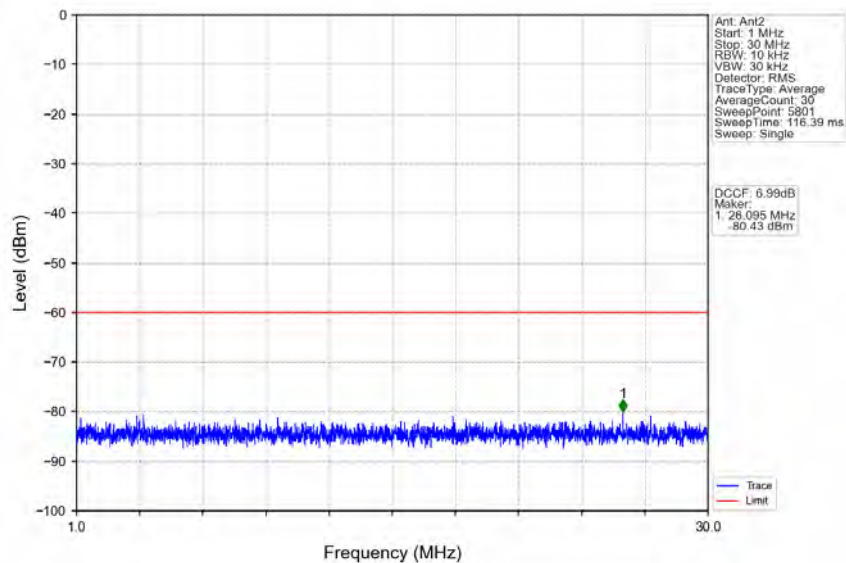
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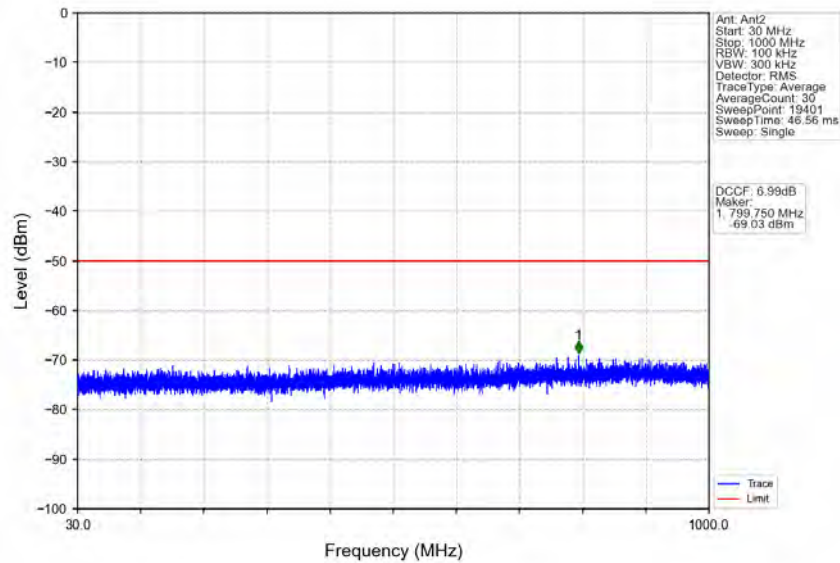
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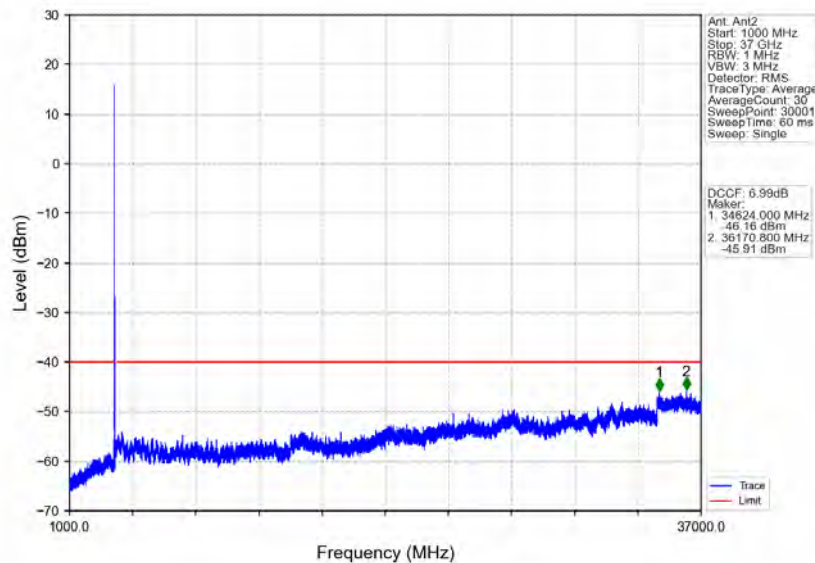
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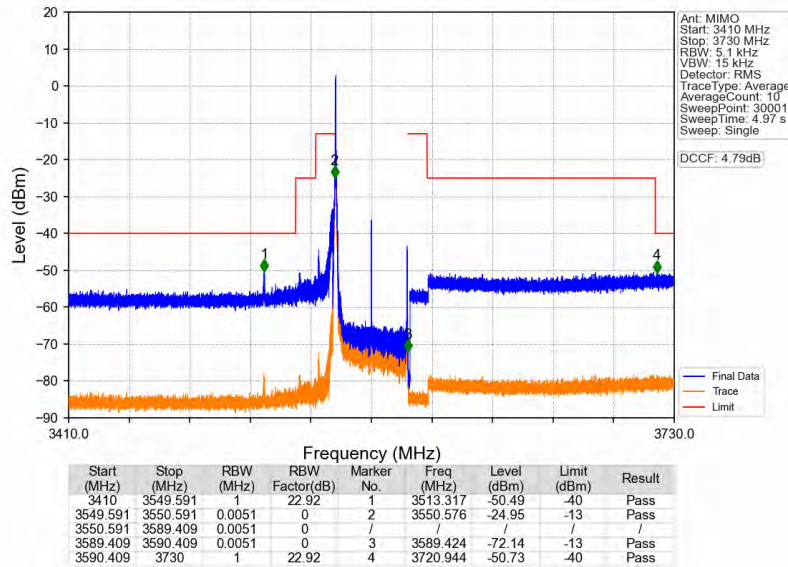
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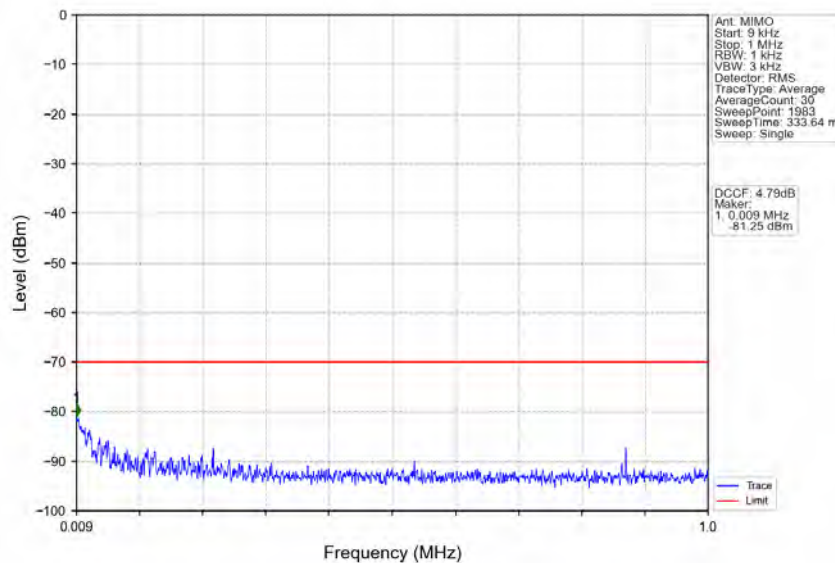
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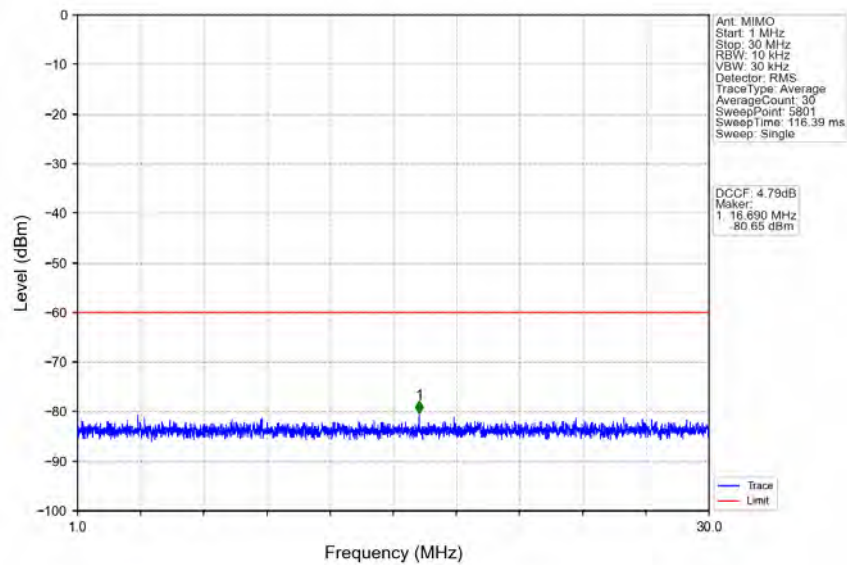
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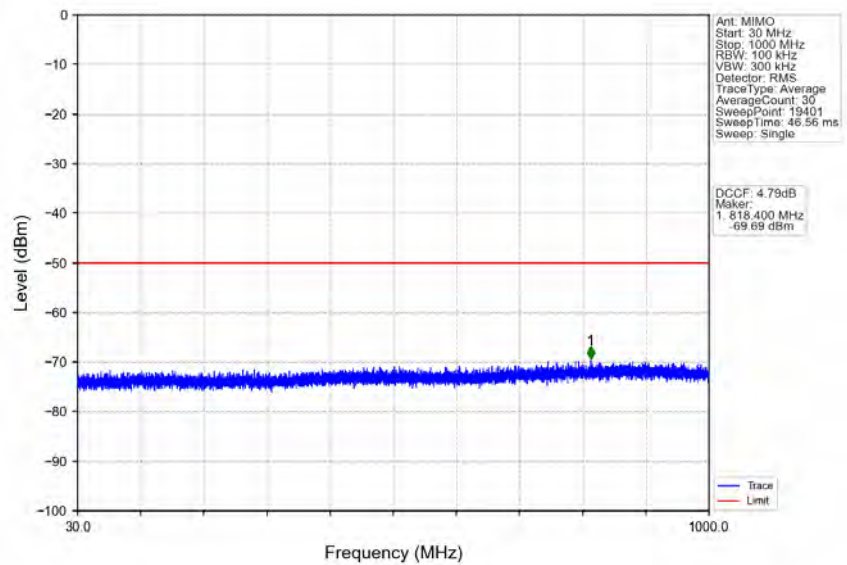
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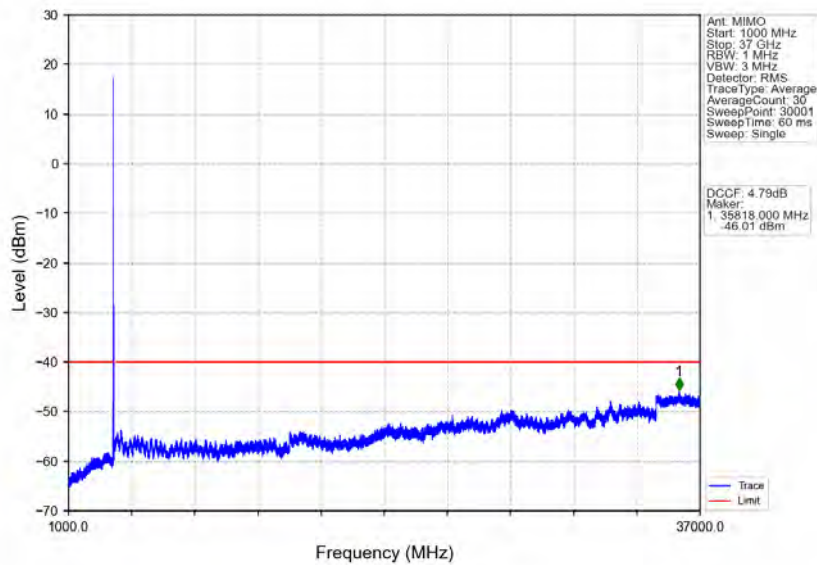
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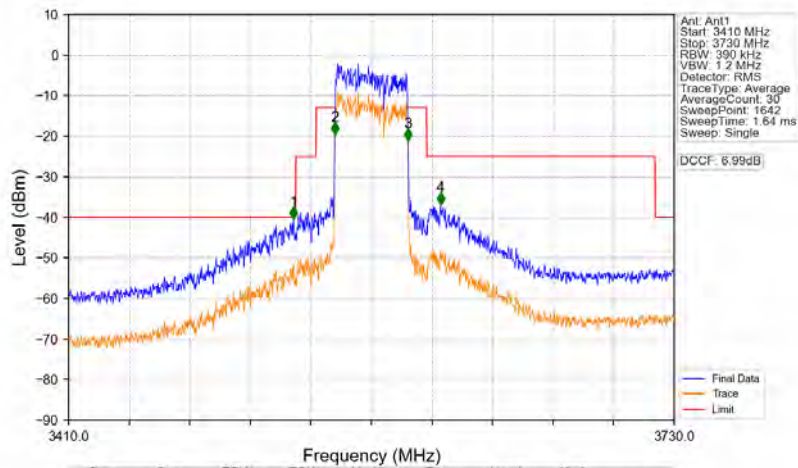
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3410	3549.791	1	4.09	1	3528.952	-40.42	-40	Pass
3549.791	3550.791	0.39	0	2	3550.597	-19.83	-13	Pass
3550.791	3589.21	0.39	0	3	3589.403	-21.29	-13	Pass
3589.21	3590.21	0.39	0	4	3606.563	-36.93	-25	Pass



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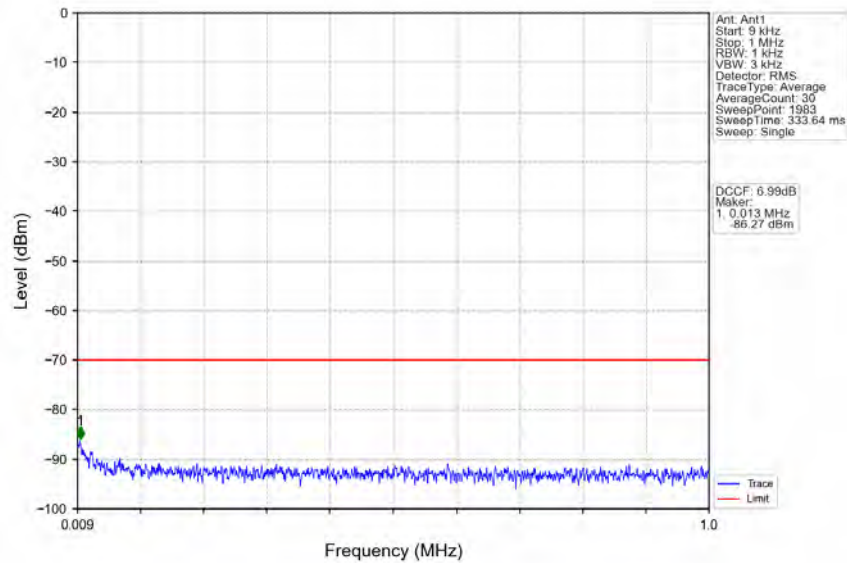
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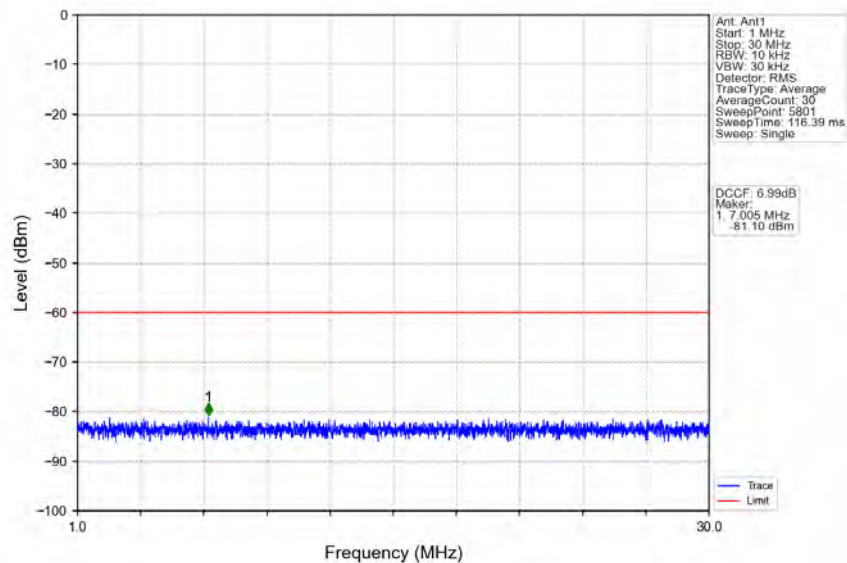
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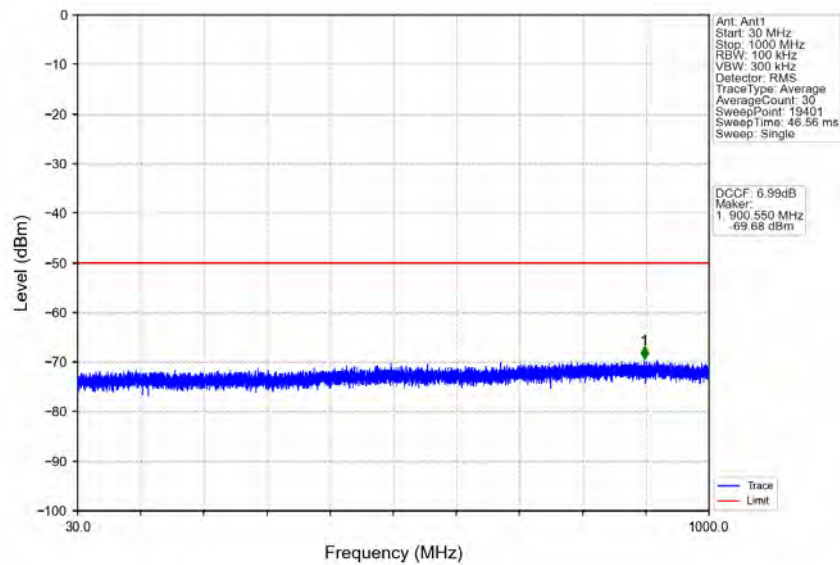
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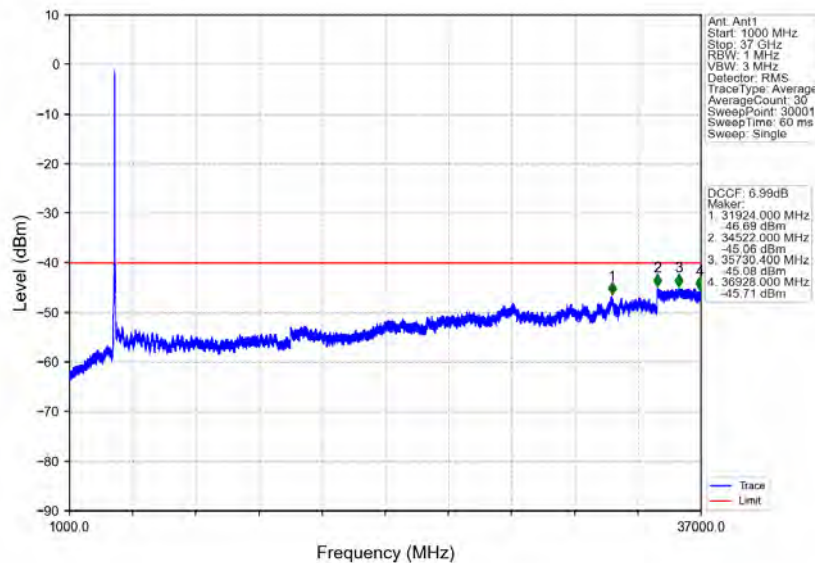
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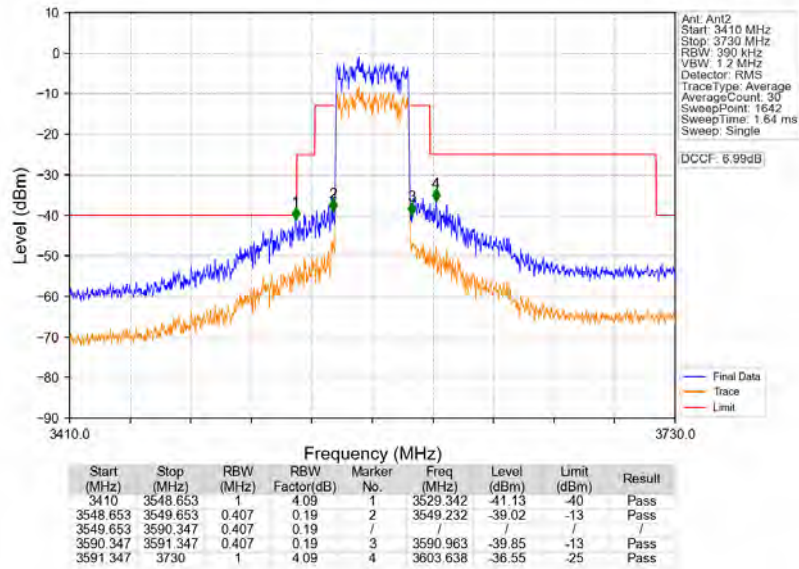
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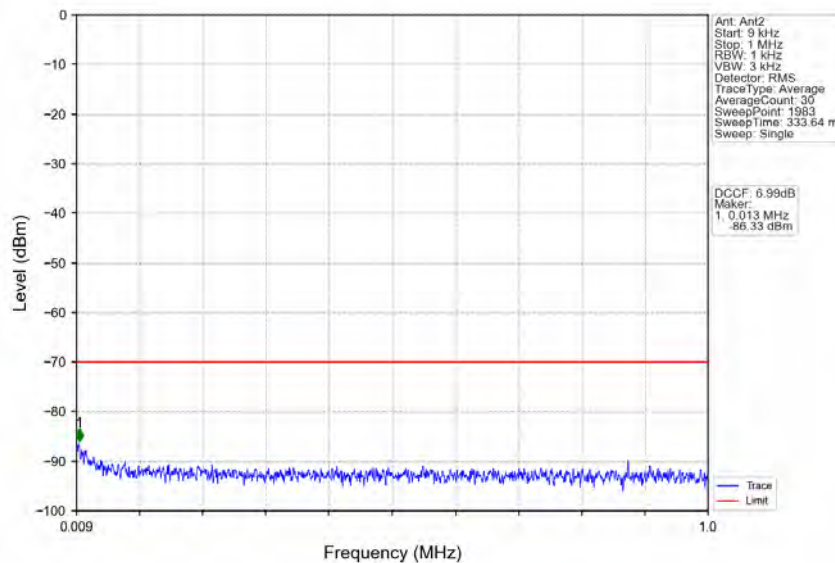
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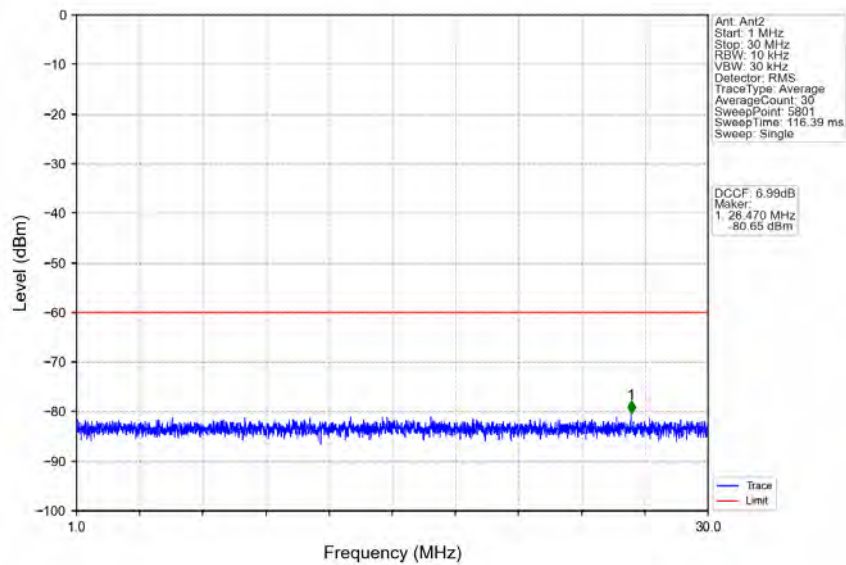
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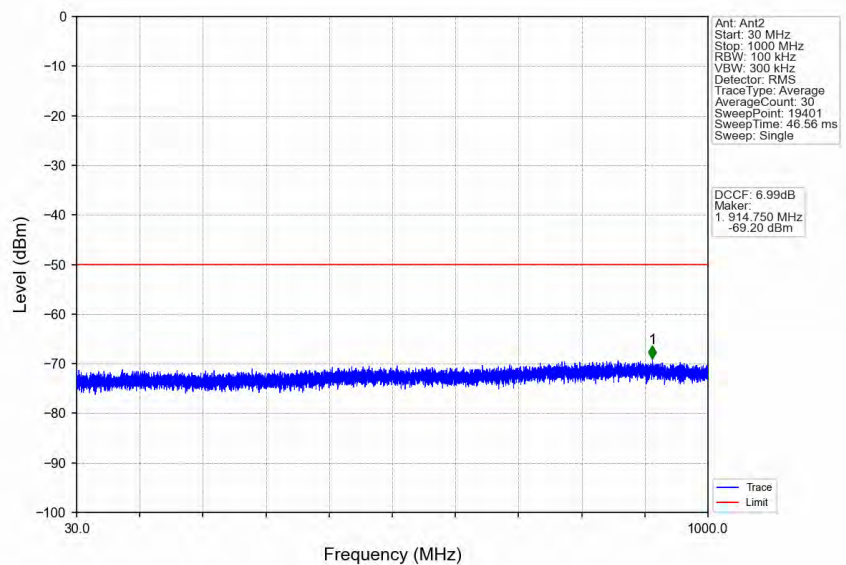


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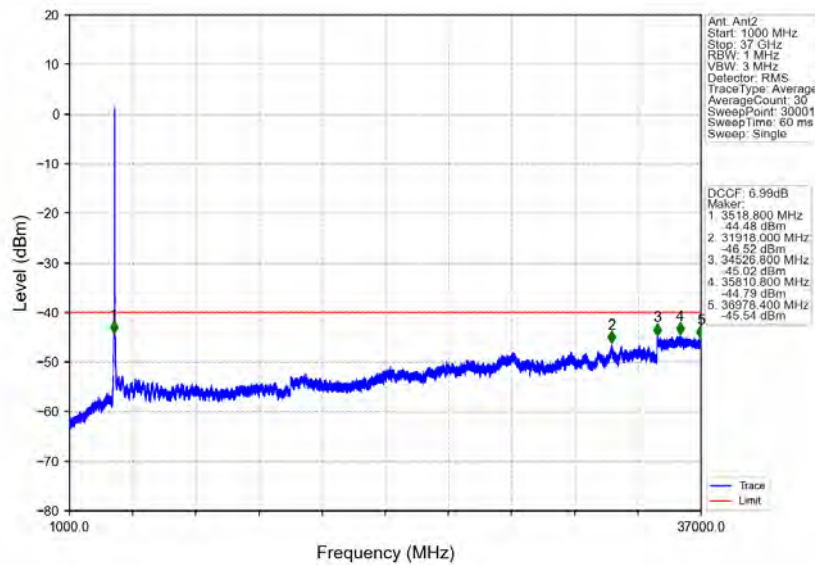
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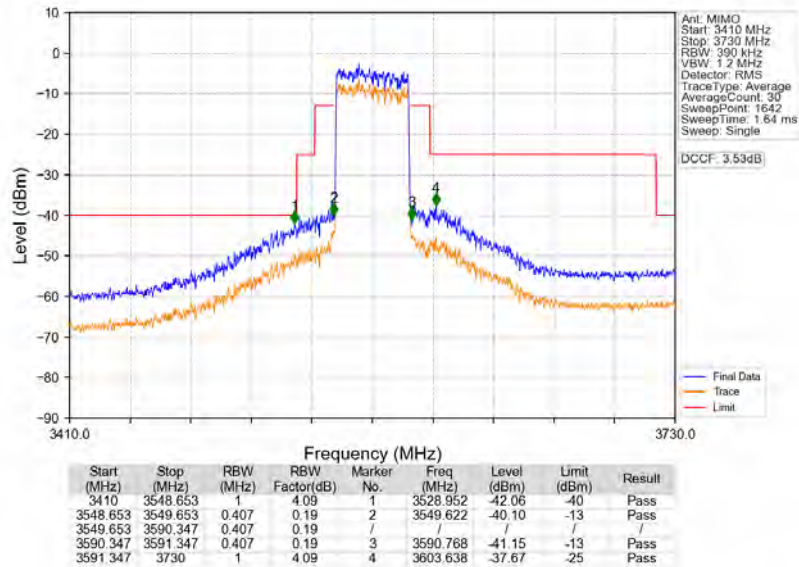
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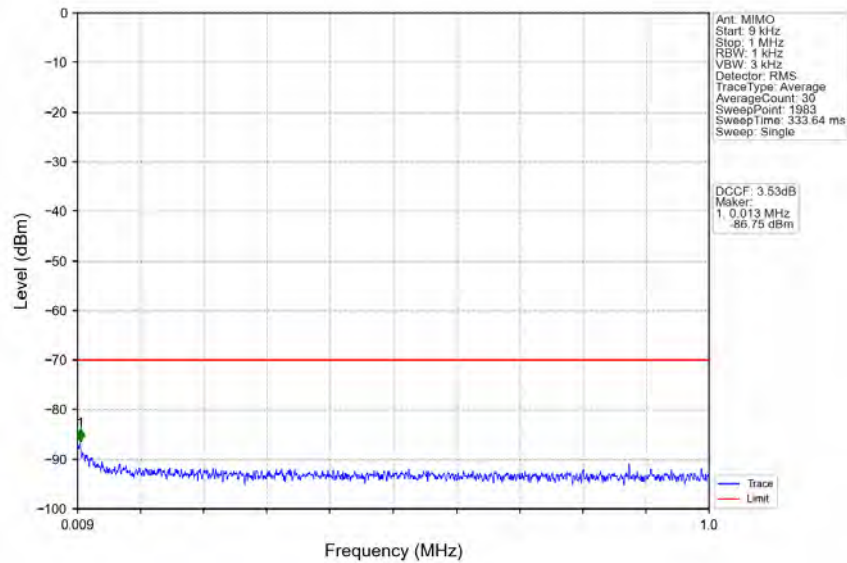
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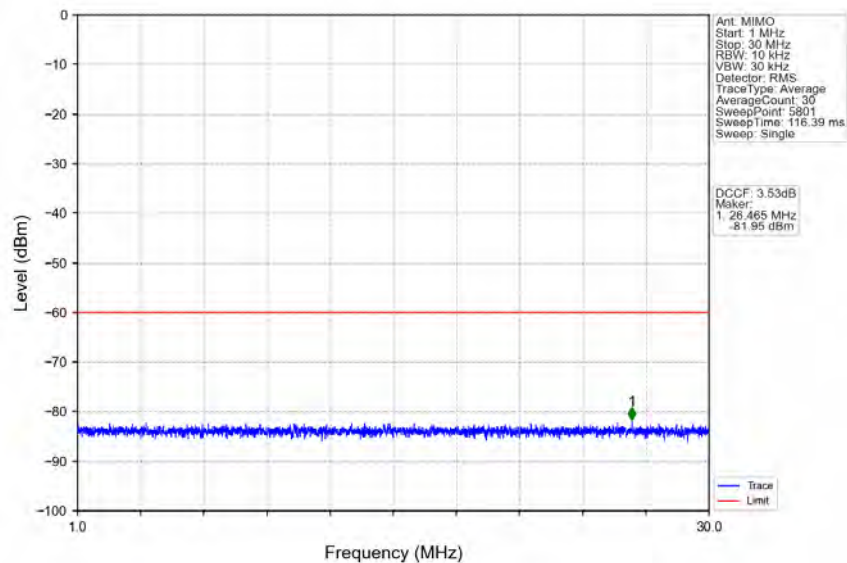
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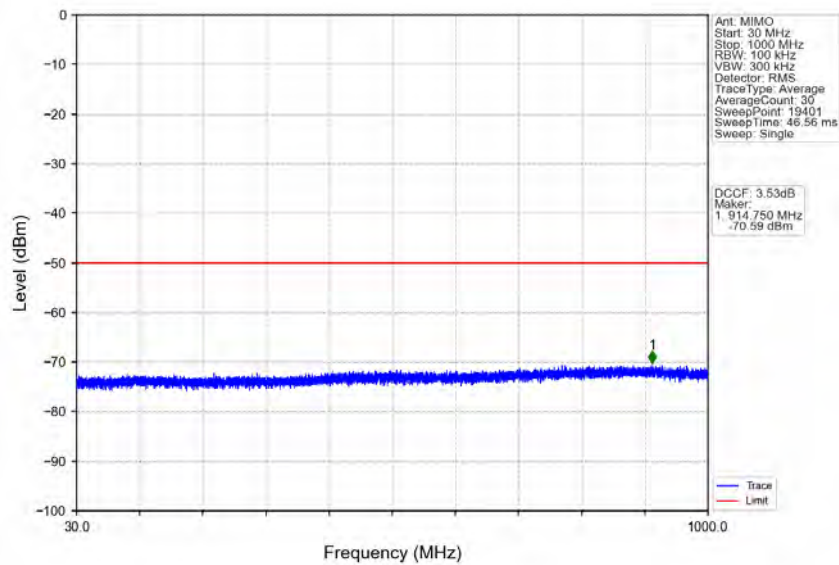
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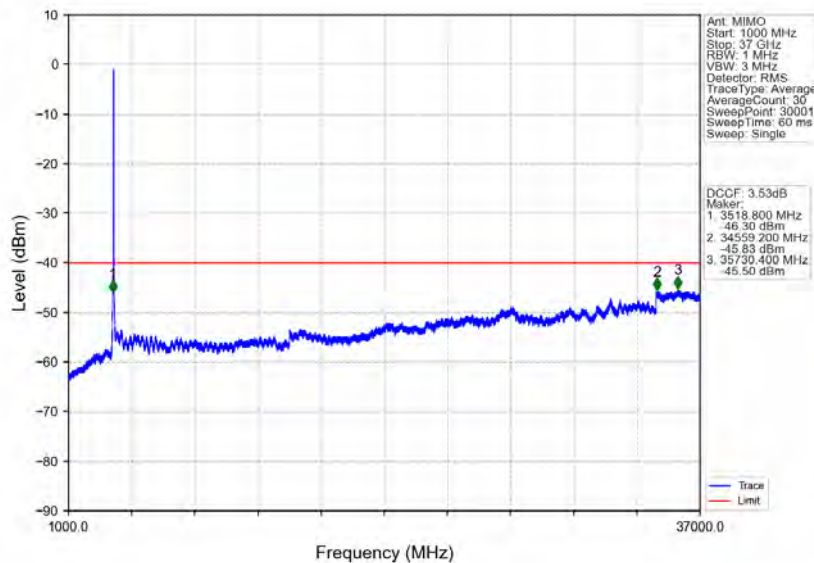
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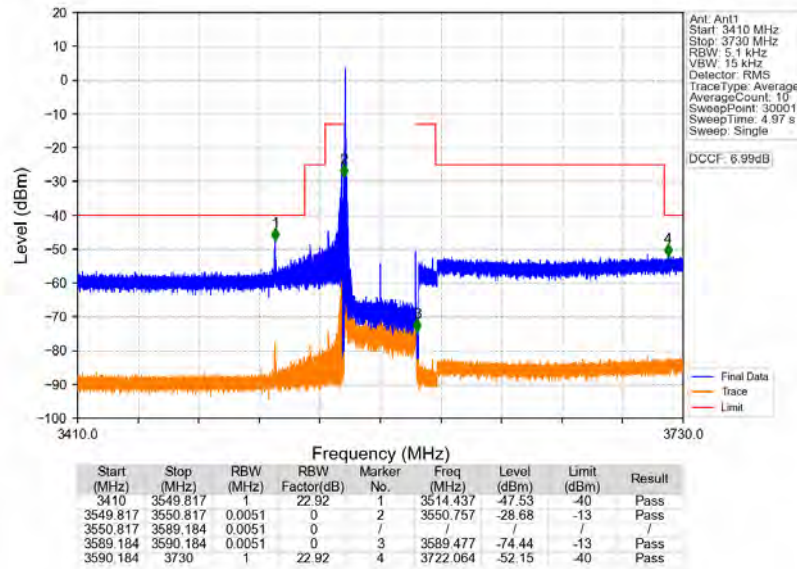
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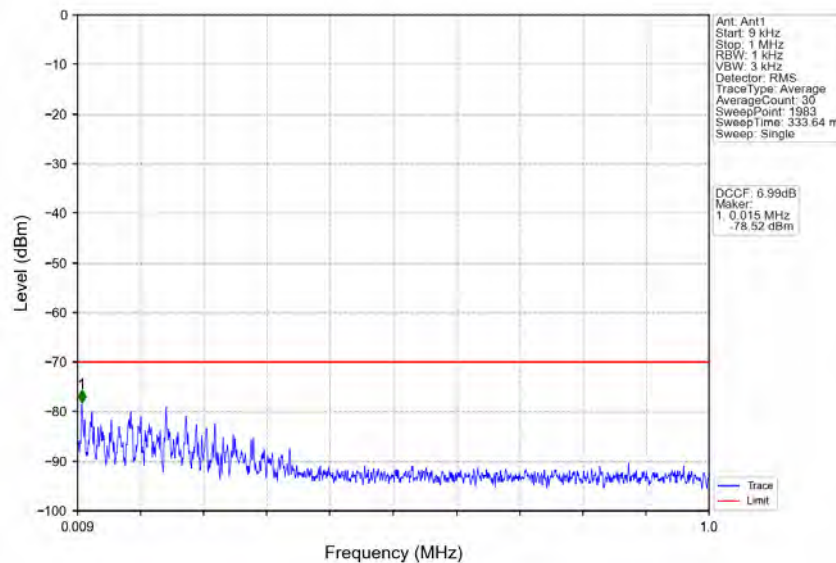
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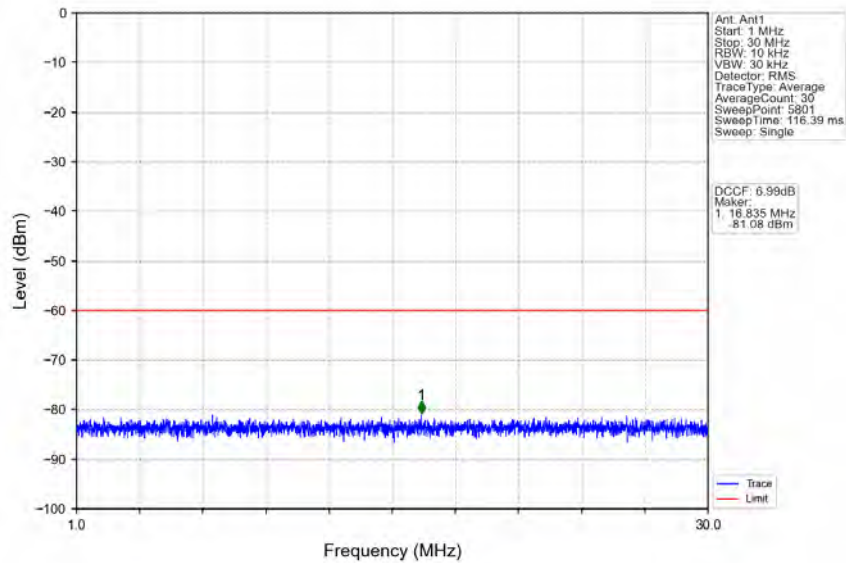
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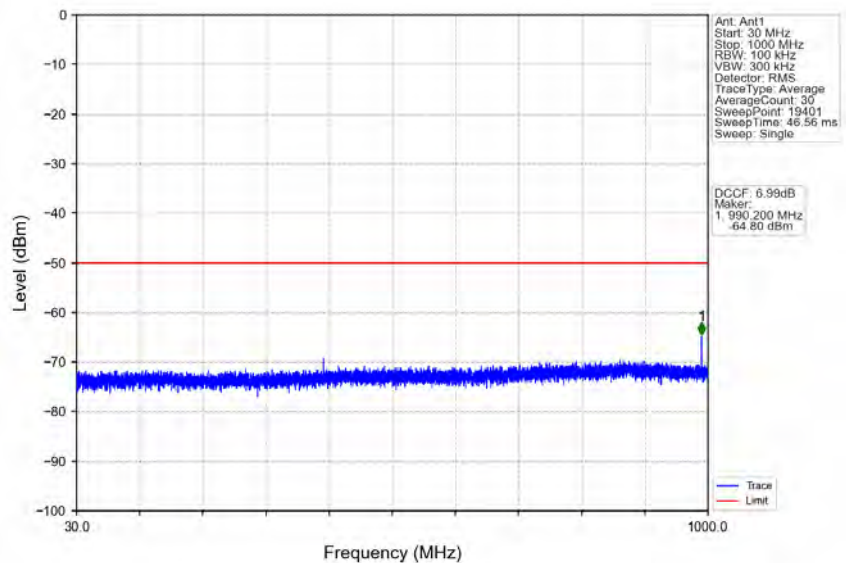
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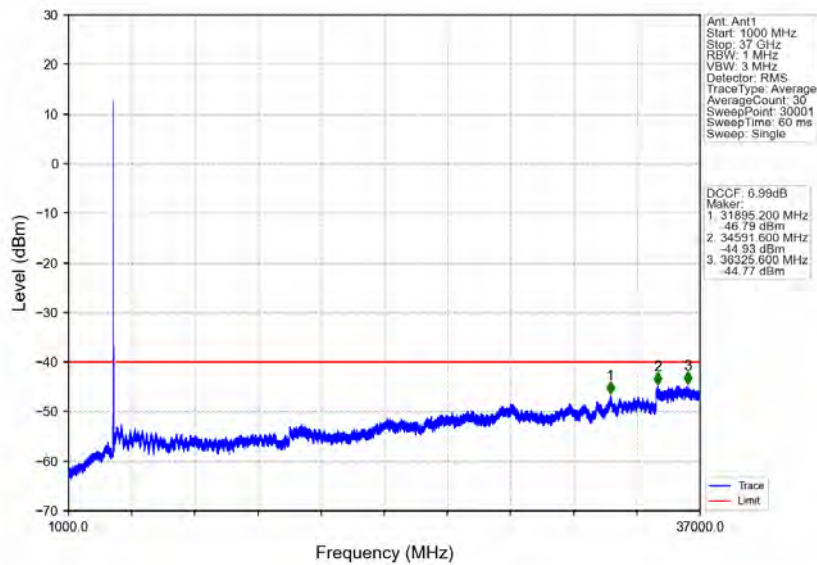
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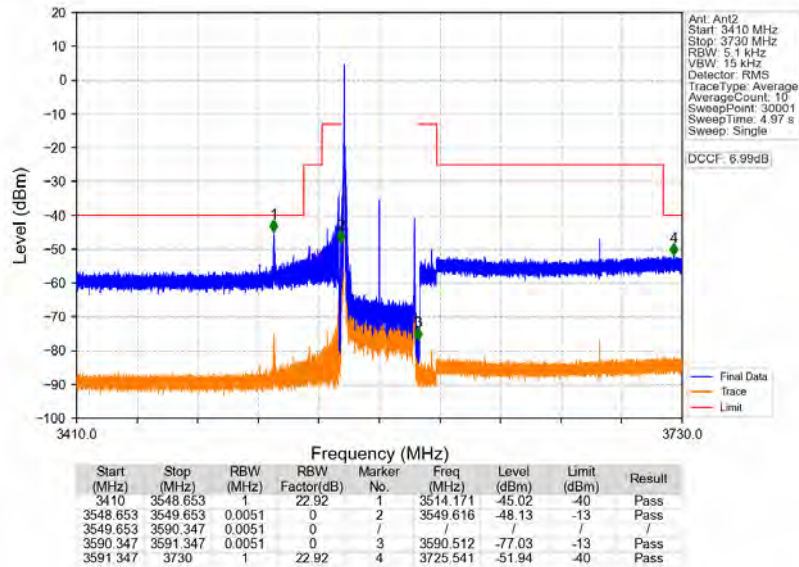
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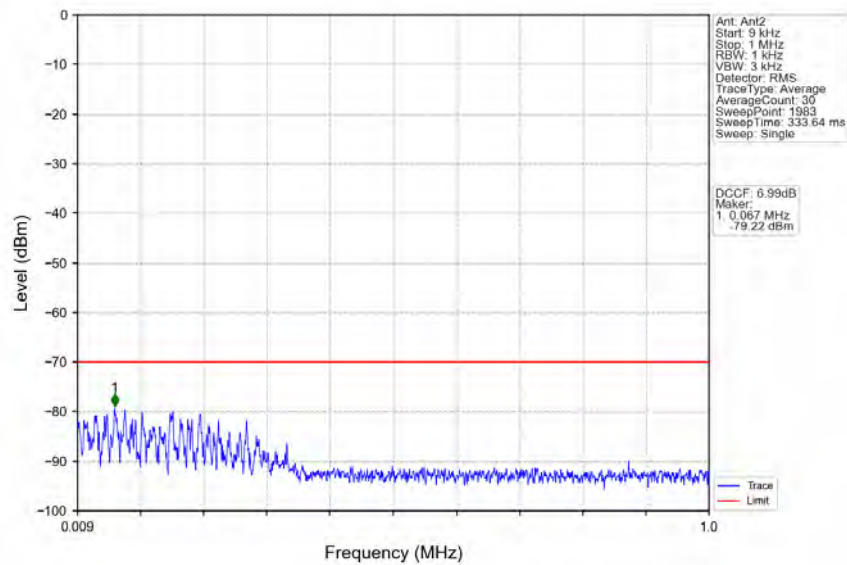
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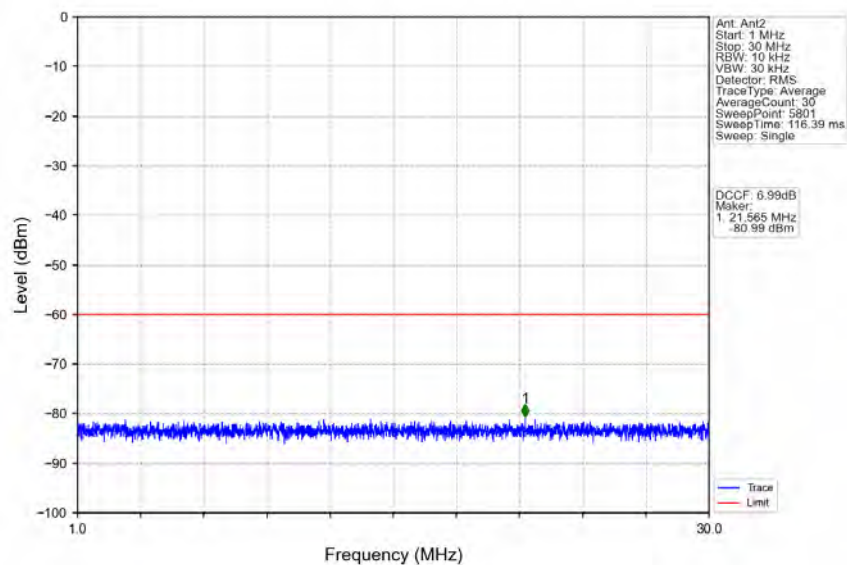
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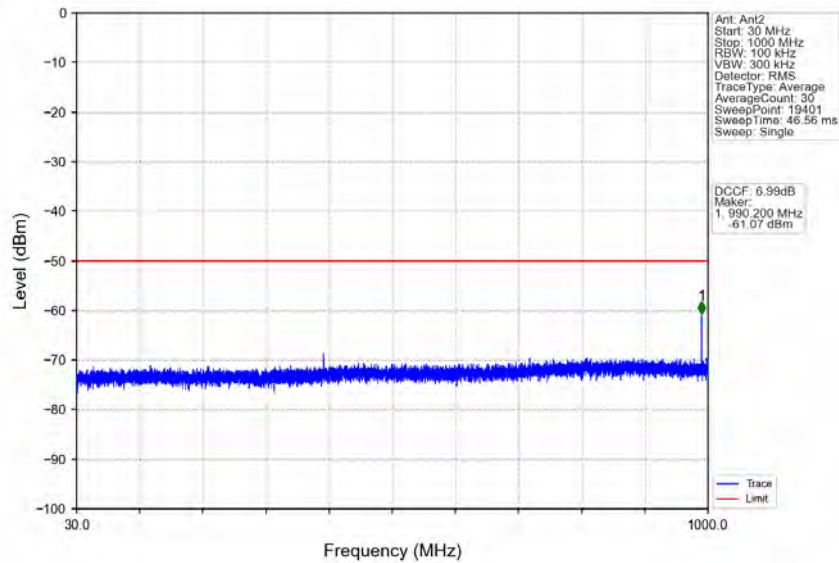
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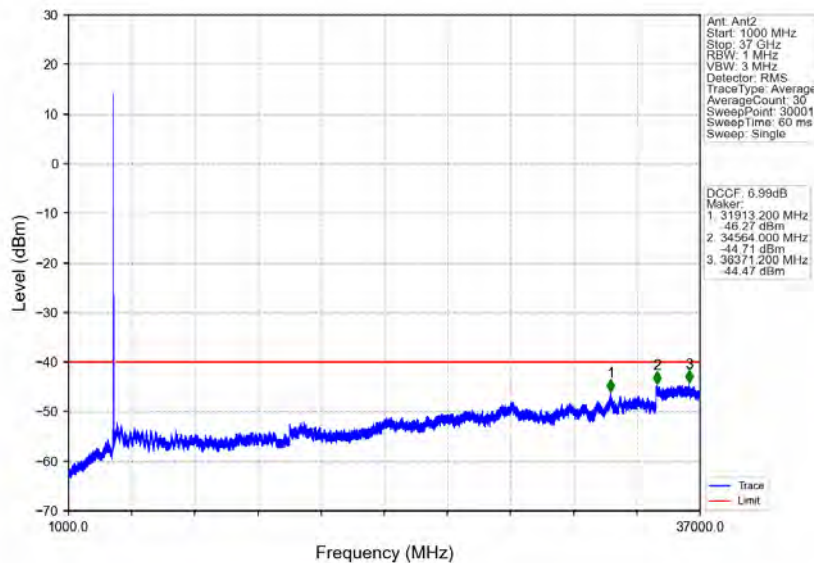
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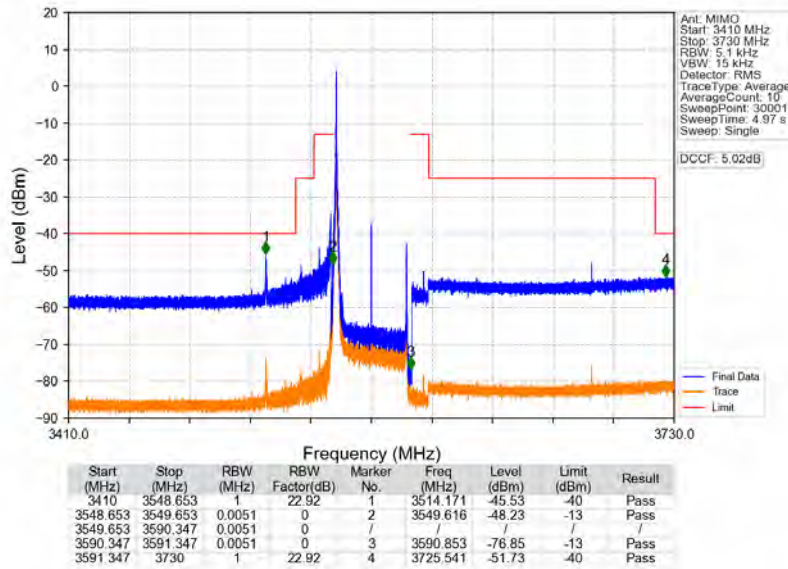
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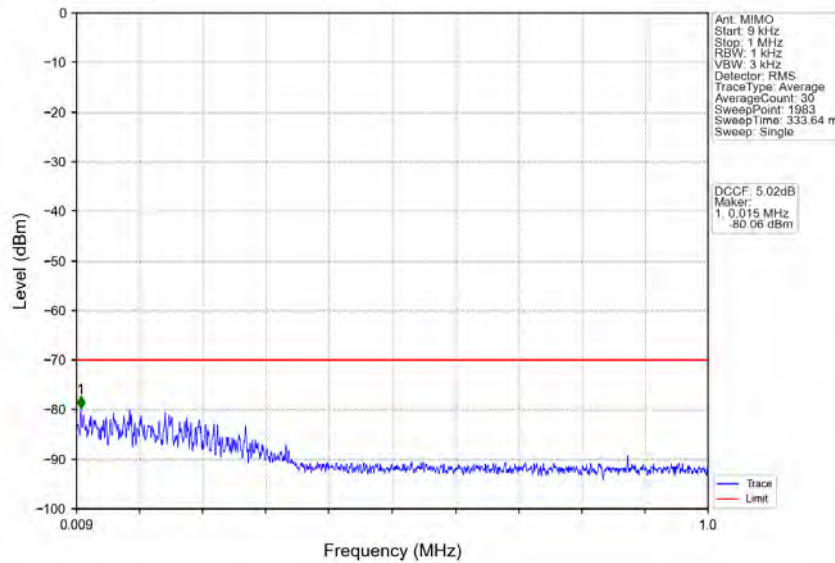
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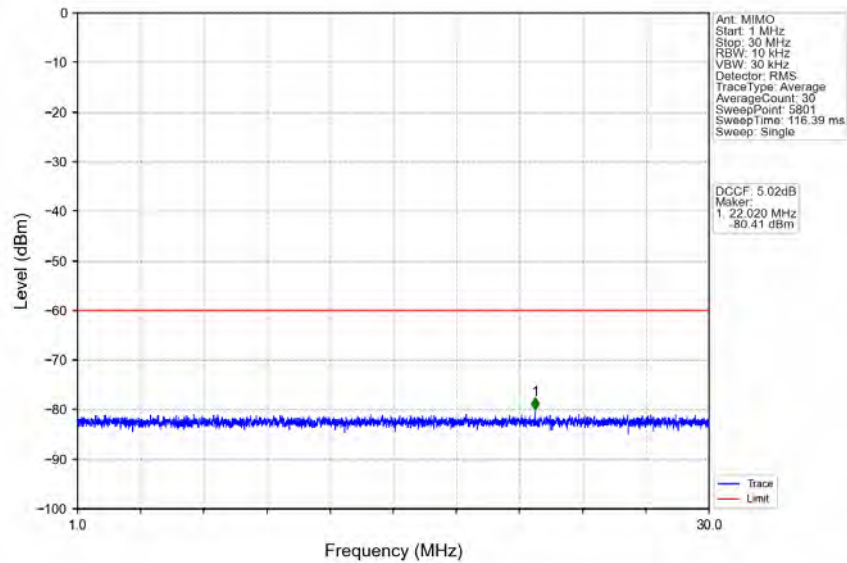
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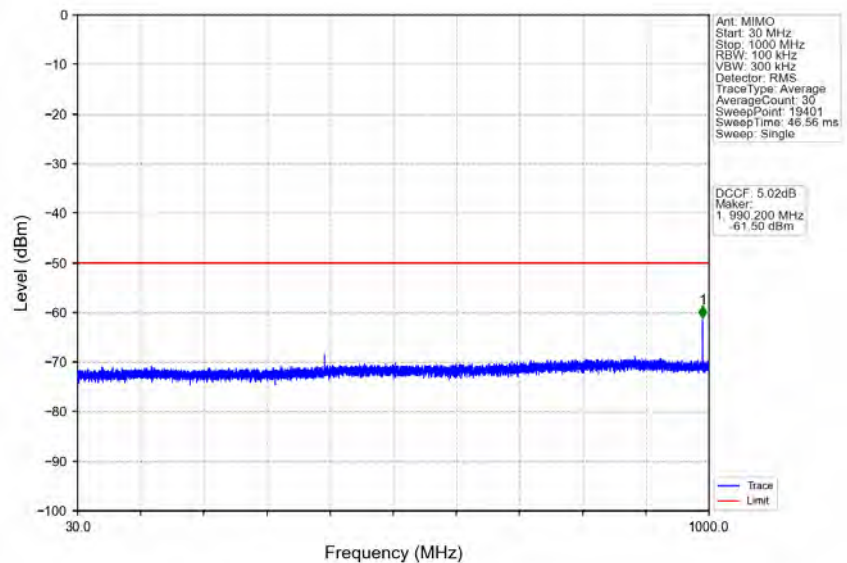


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n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3570MHz_Inner_1RB_Left



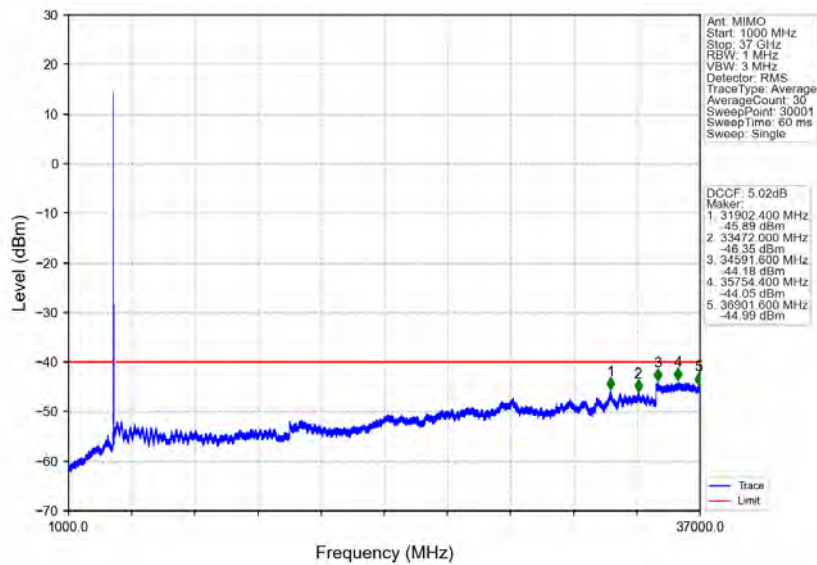
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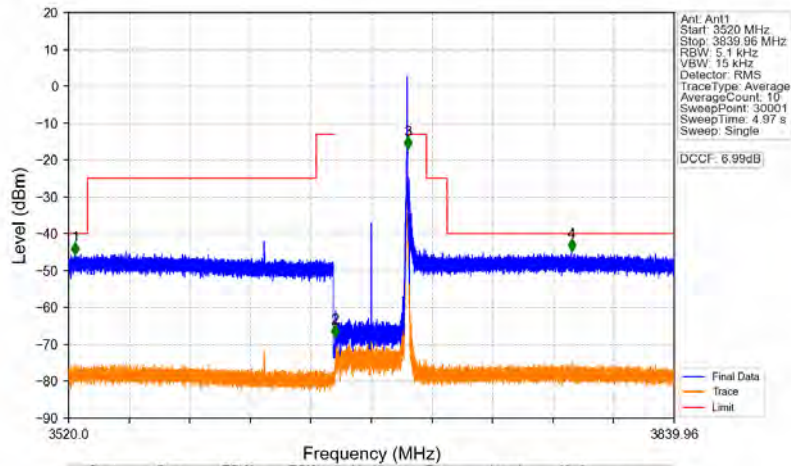
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n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3679.98MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3659.848	1	22.92	1	3523.520	-45.70	-40	Pass
3659.848	3660.848	0.0051	0	2	3660.804	-68.11	-13	Pass
3660.848	3699.112	0.0051	0	/	/	/	/	/
3699.112	3700.112	0.0051	0	3	3699.124	-17.02	-13	Pass
3700.112	3839.96	1	22.92	4	3785.780	-44.74	-40	Pass



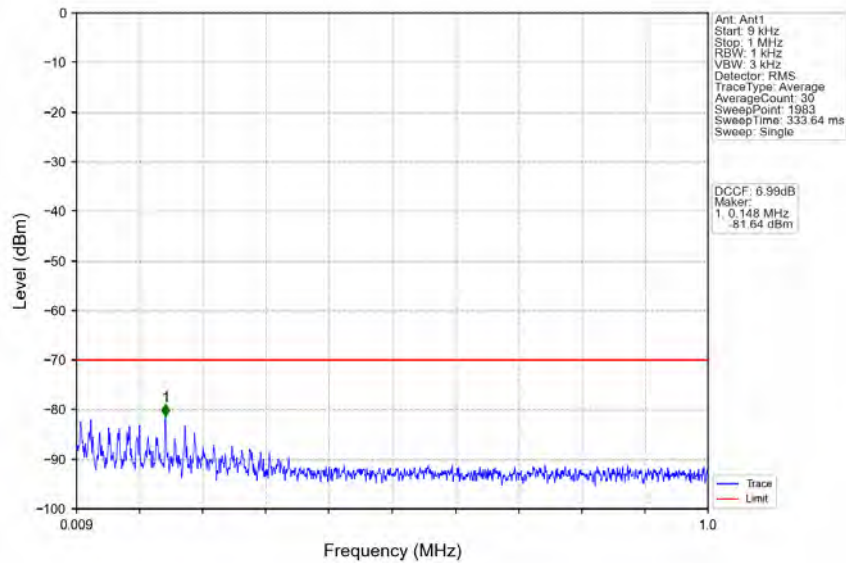
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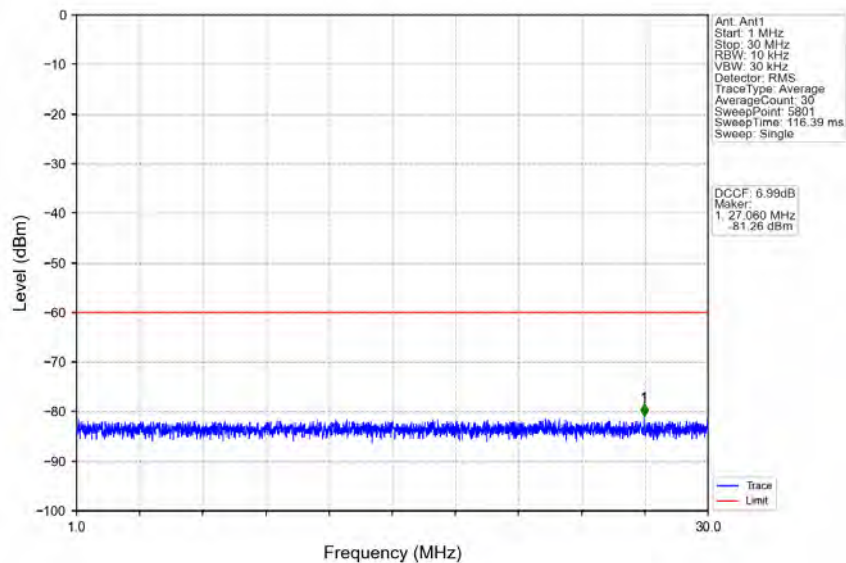
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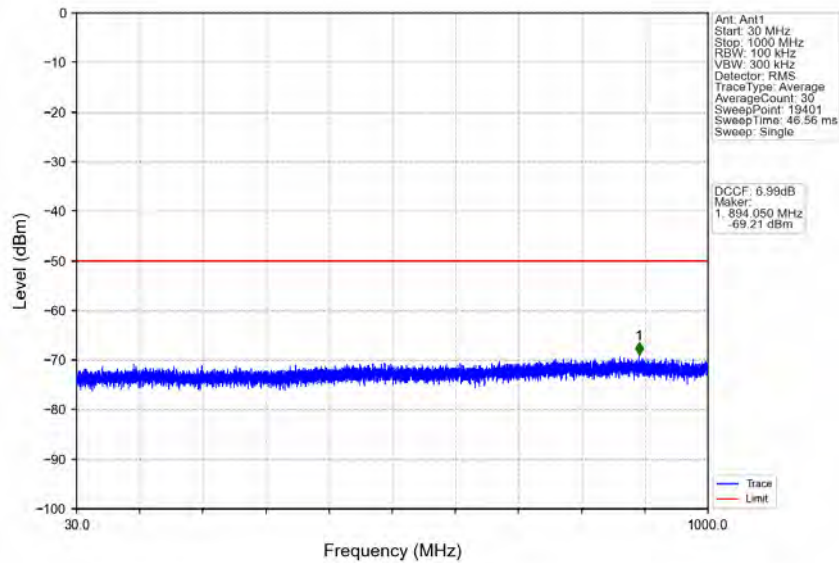
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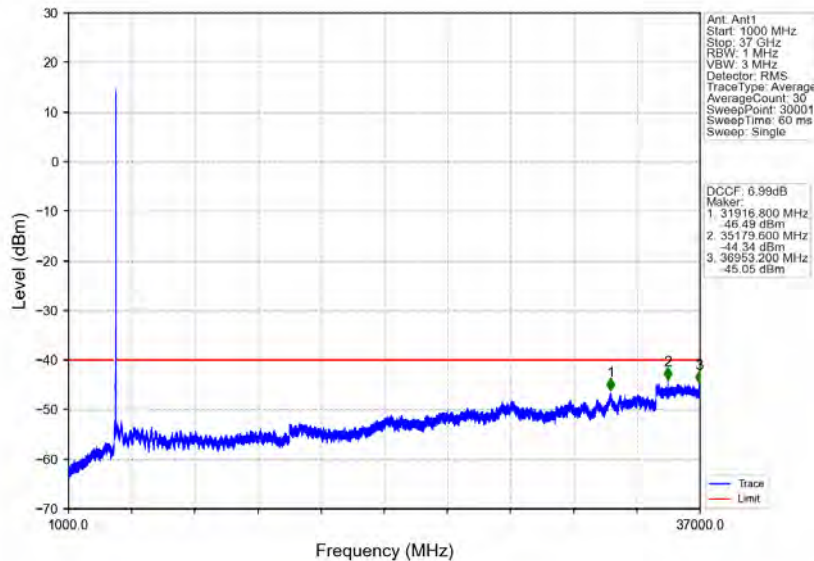
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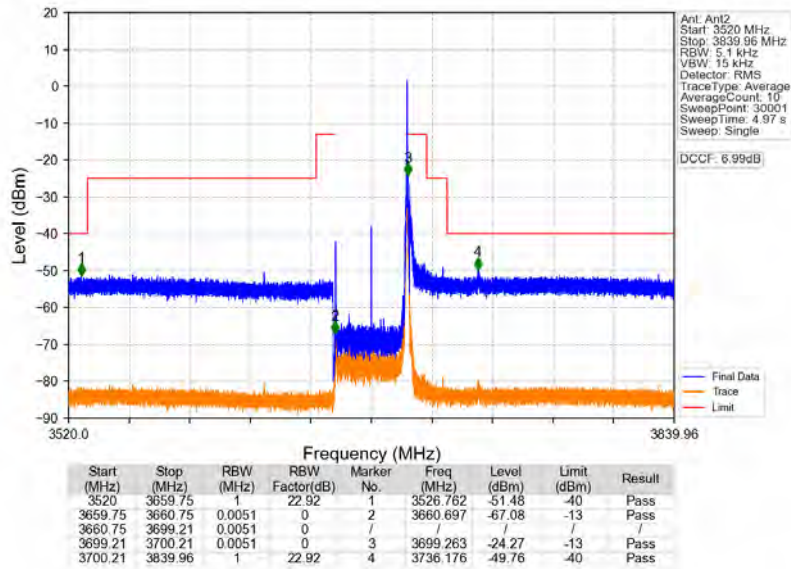
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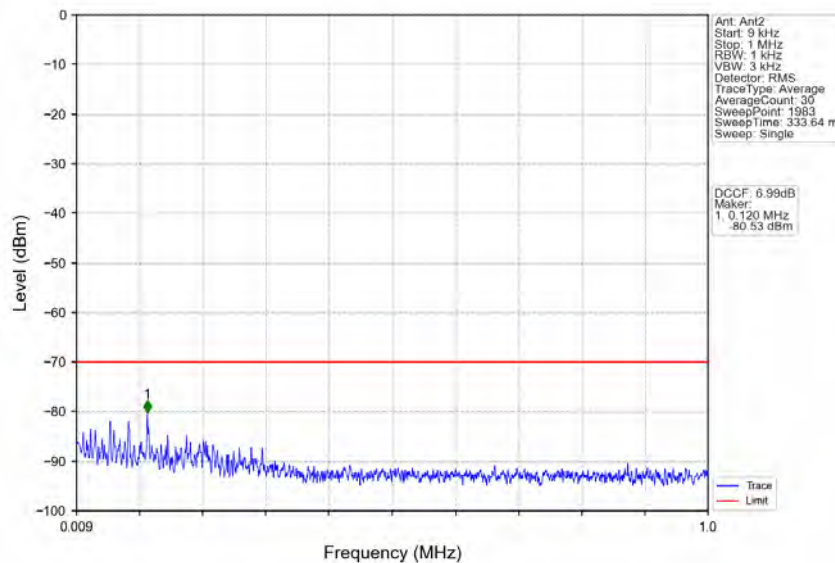
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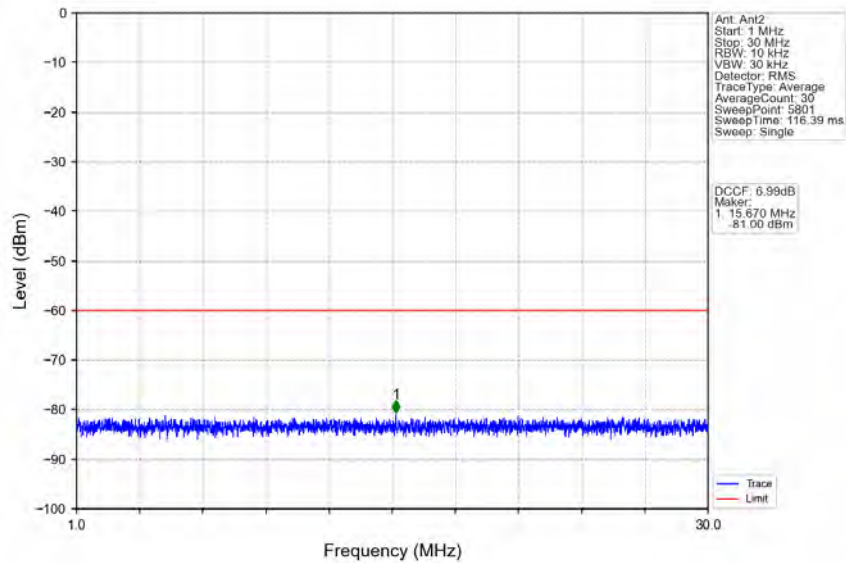
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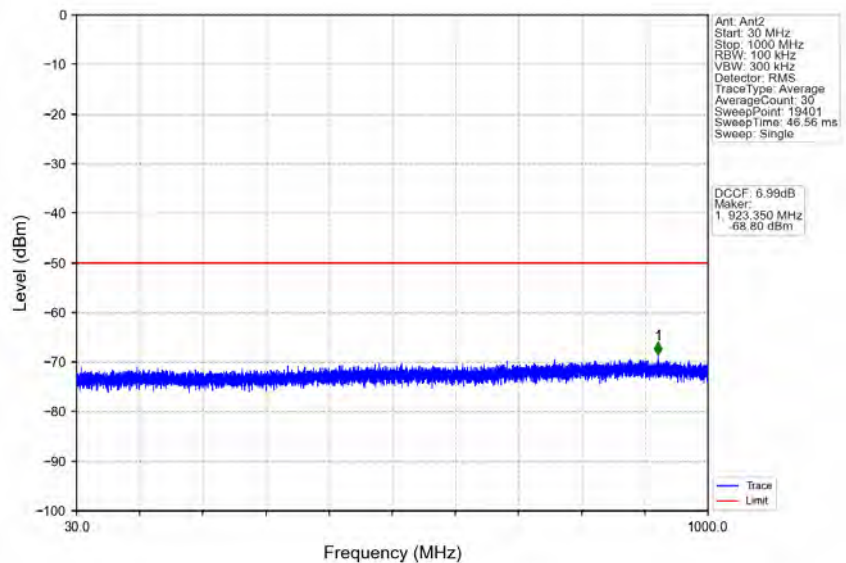
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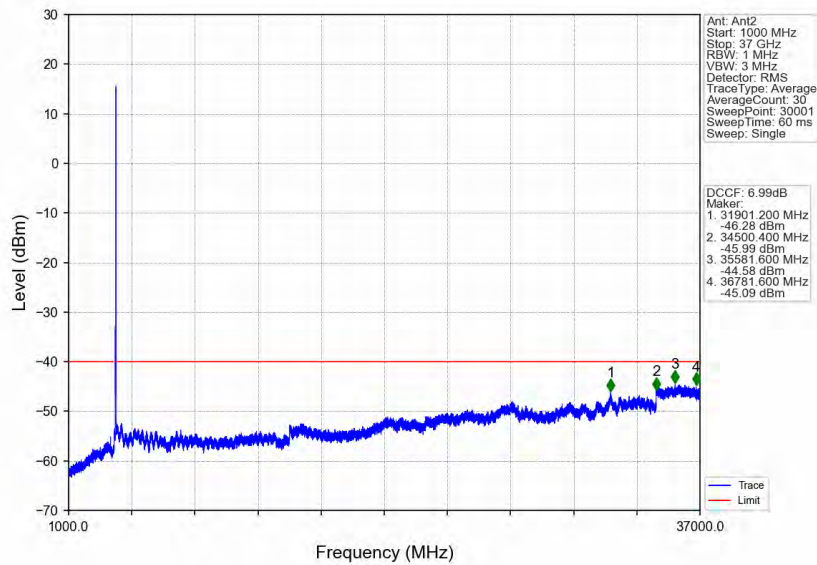
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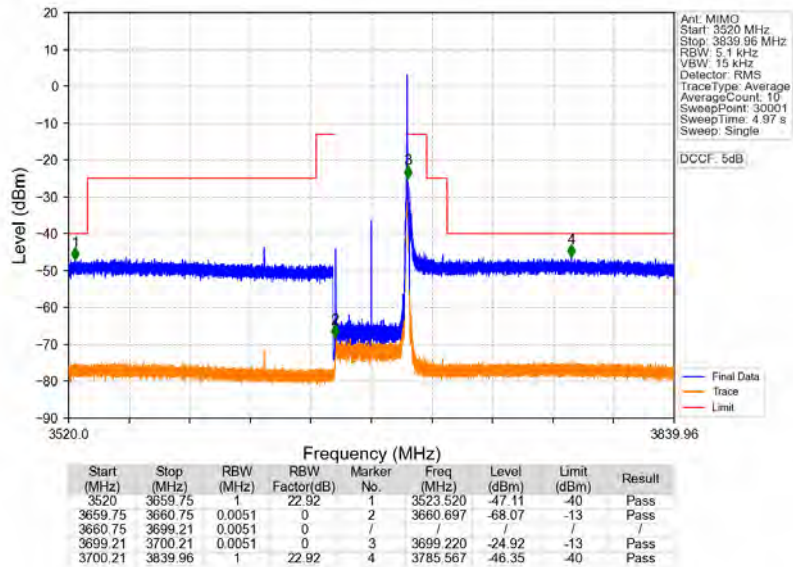
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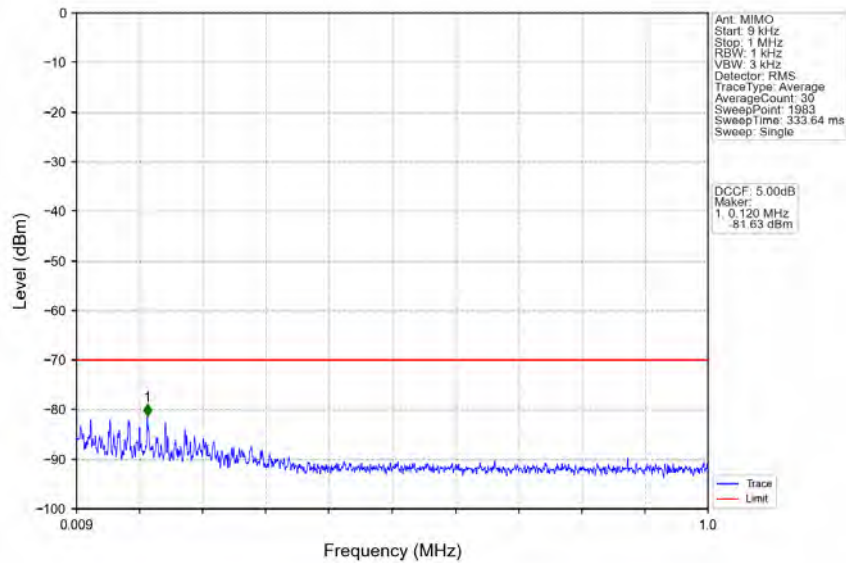
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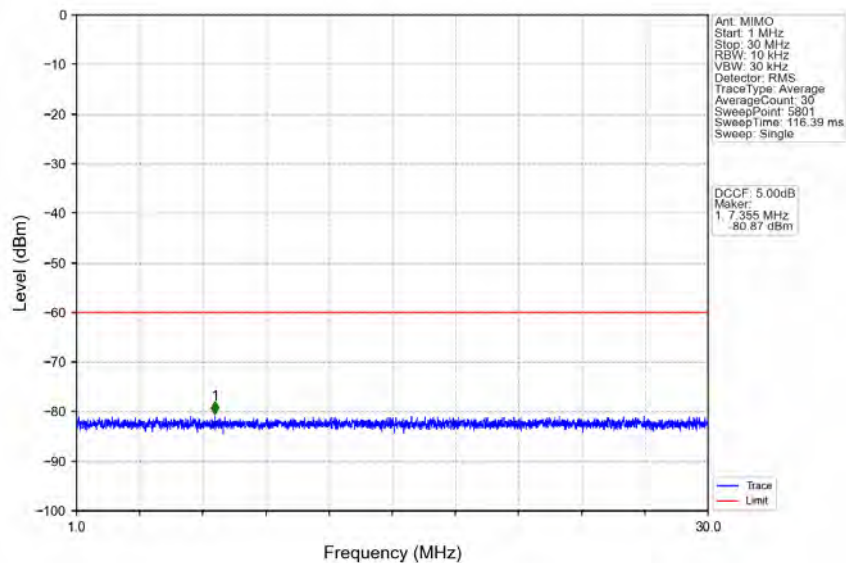
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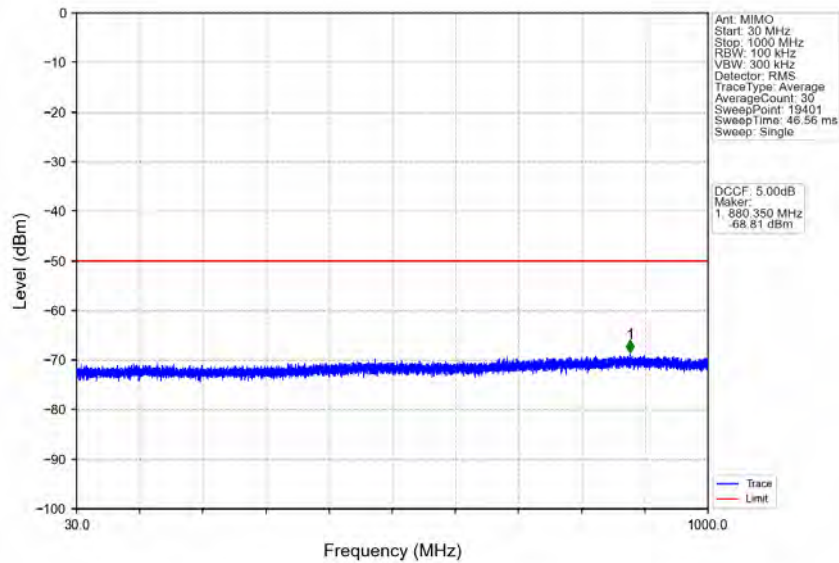
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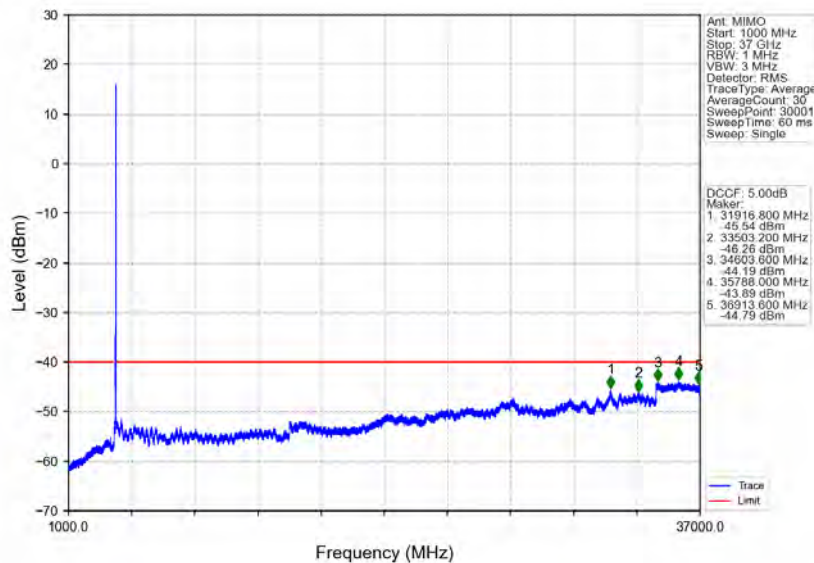
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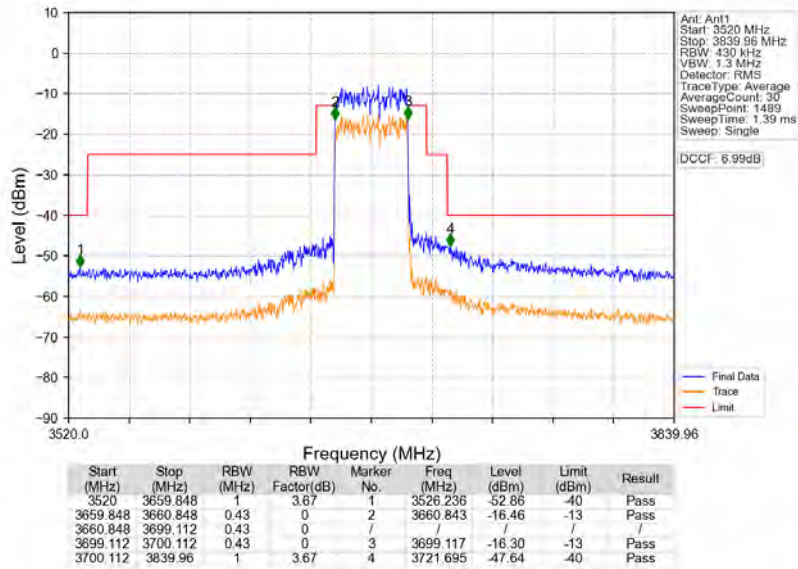
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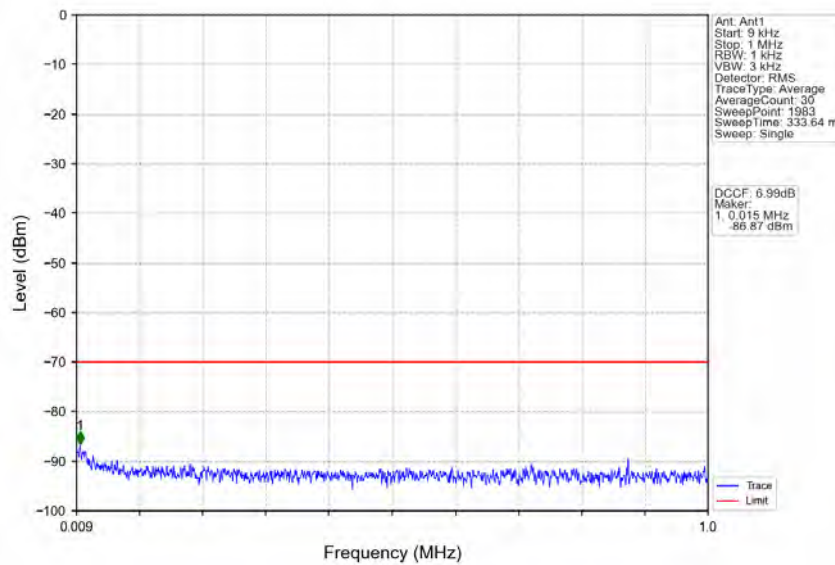
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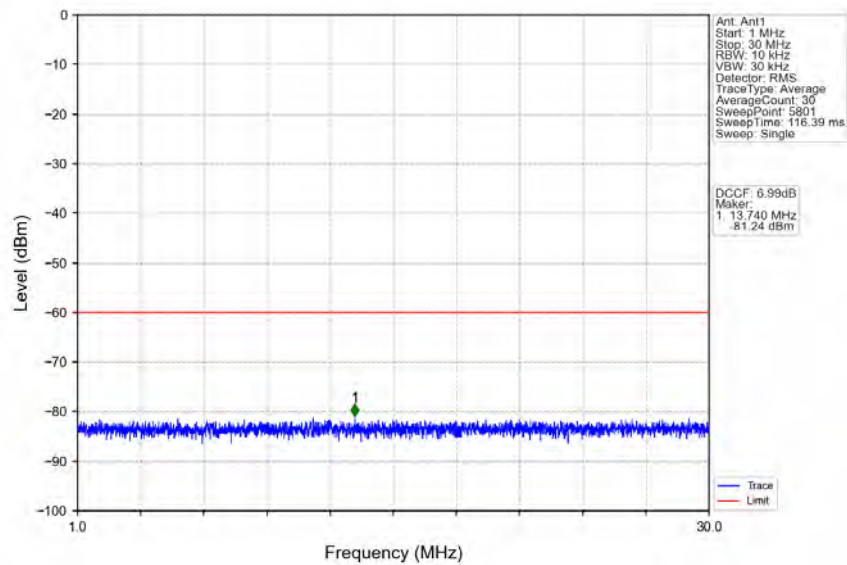
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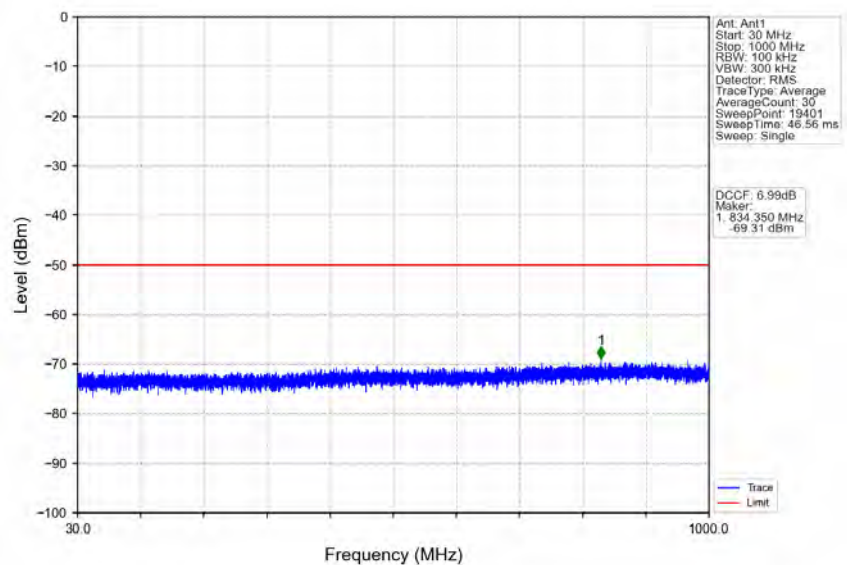


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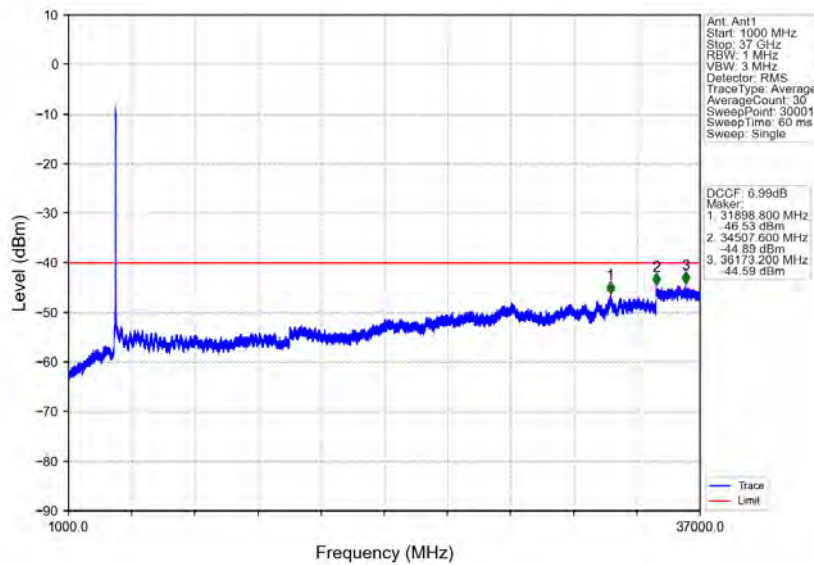
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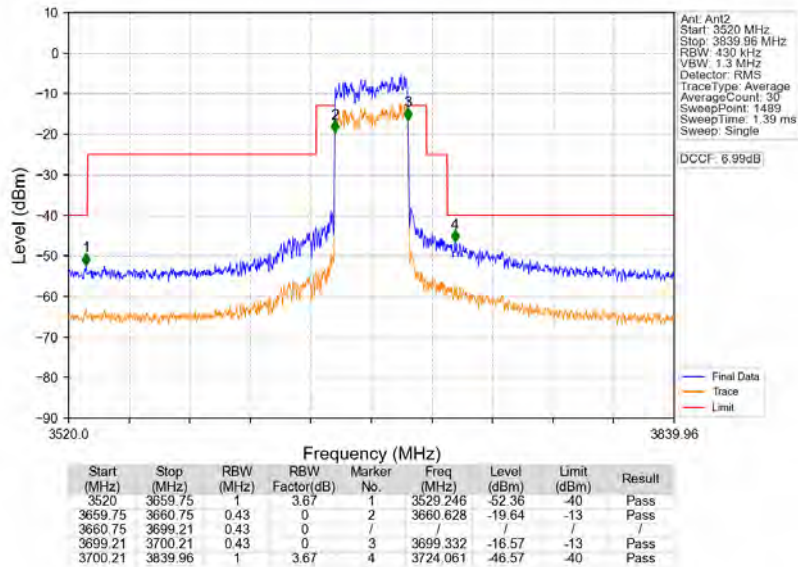
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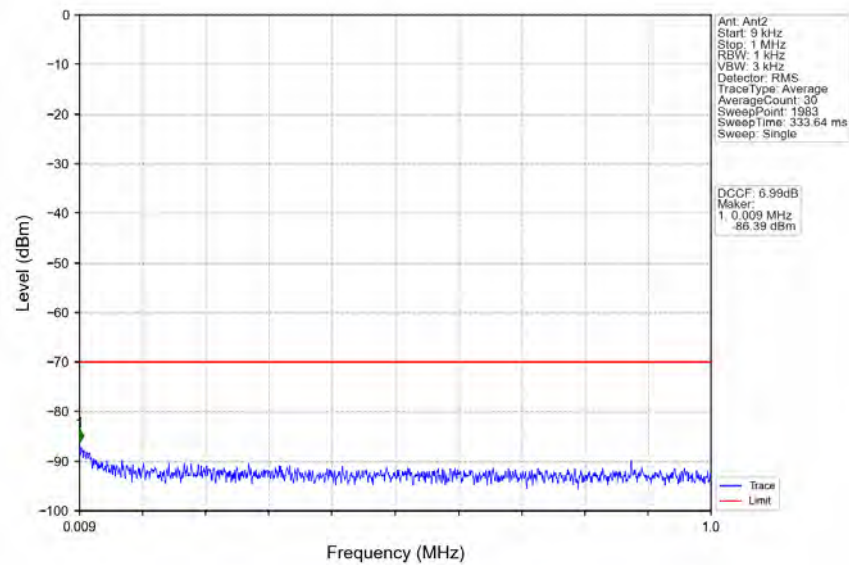
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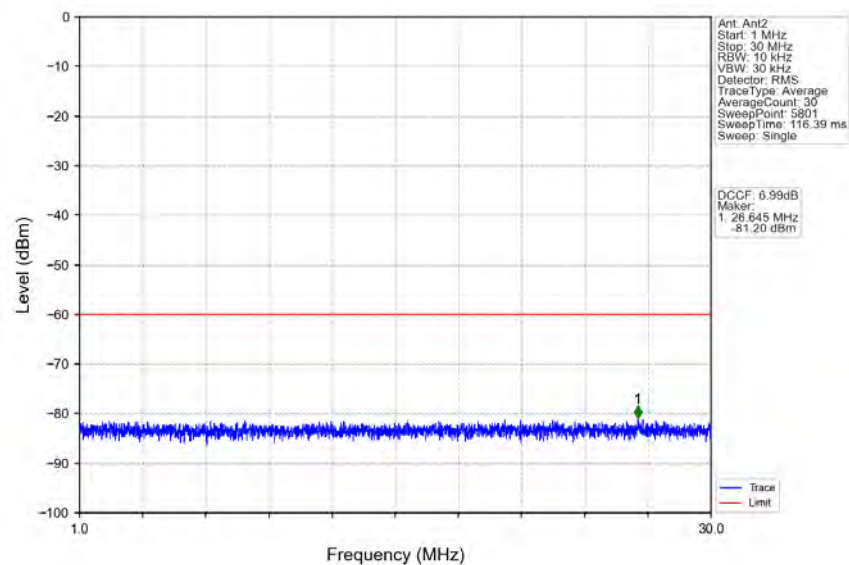
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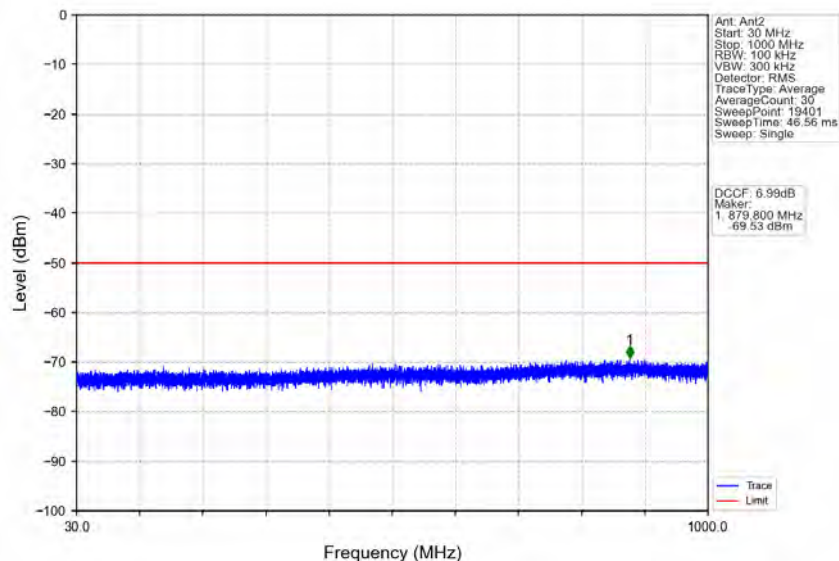
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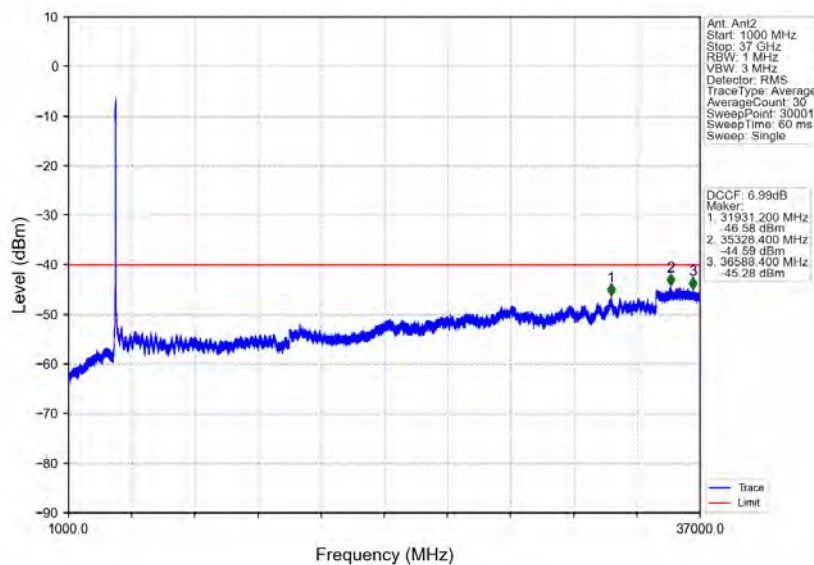
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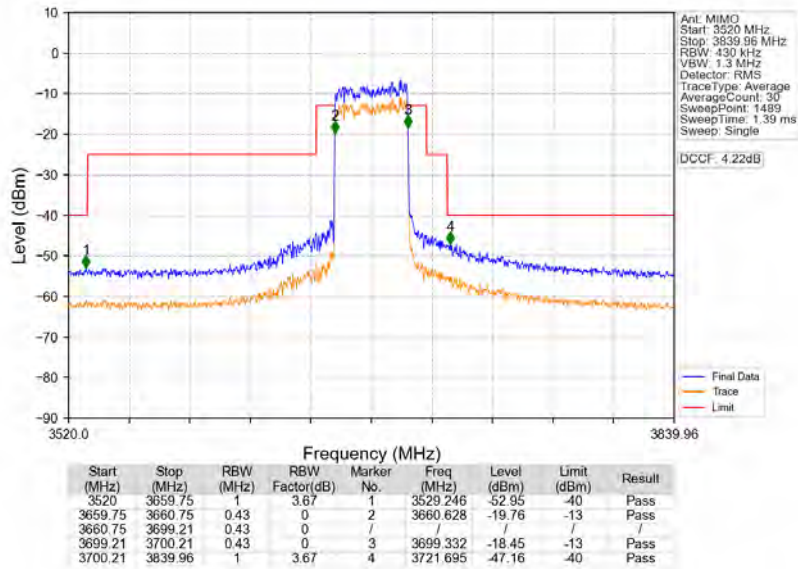
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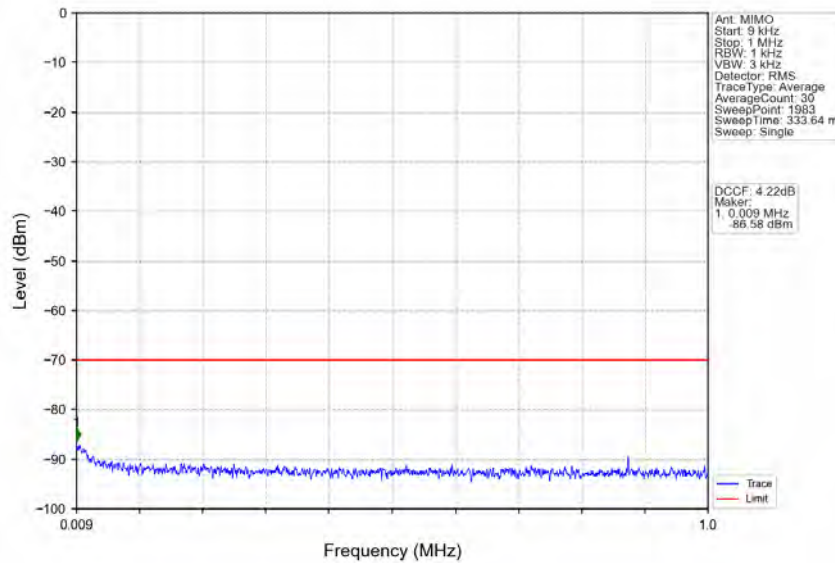
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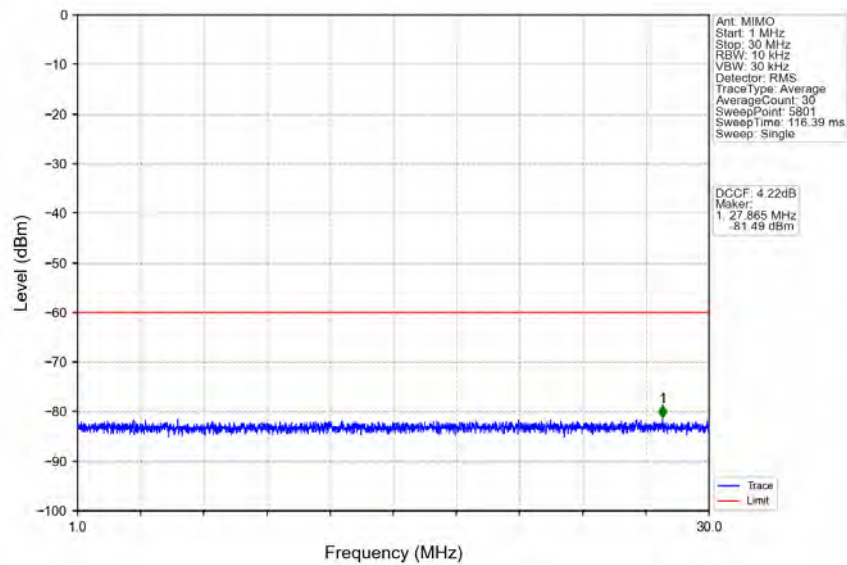
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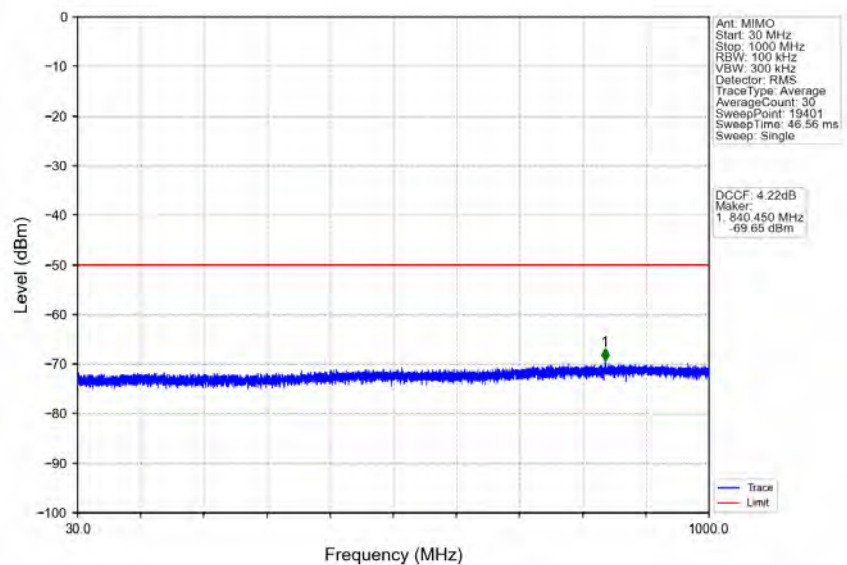
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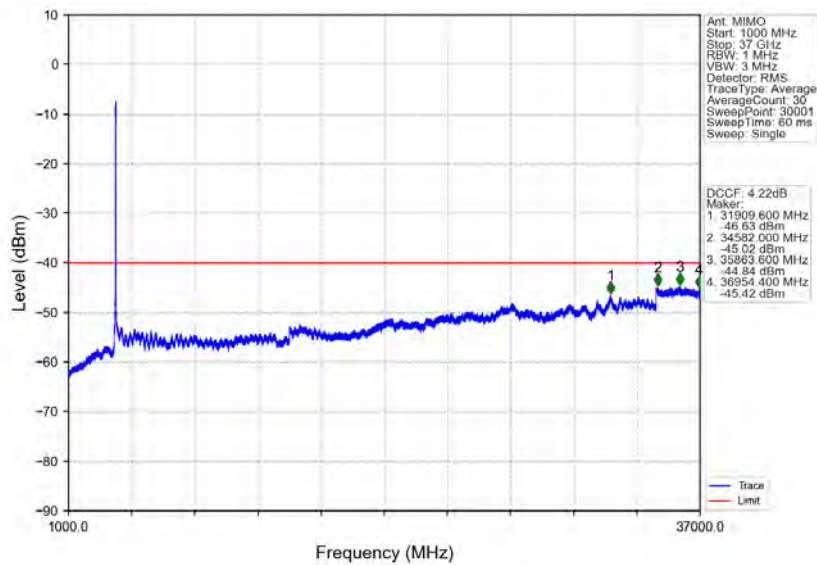
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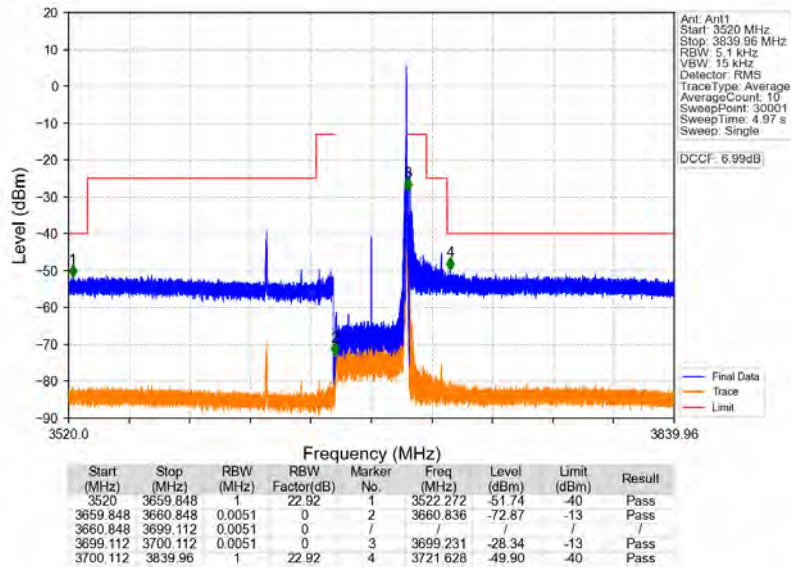
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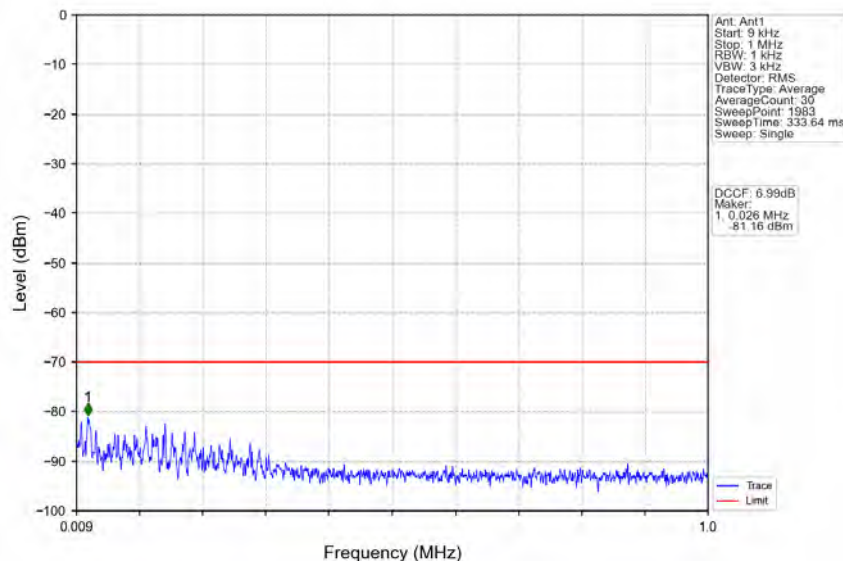
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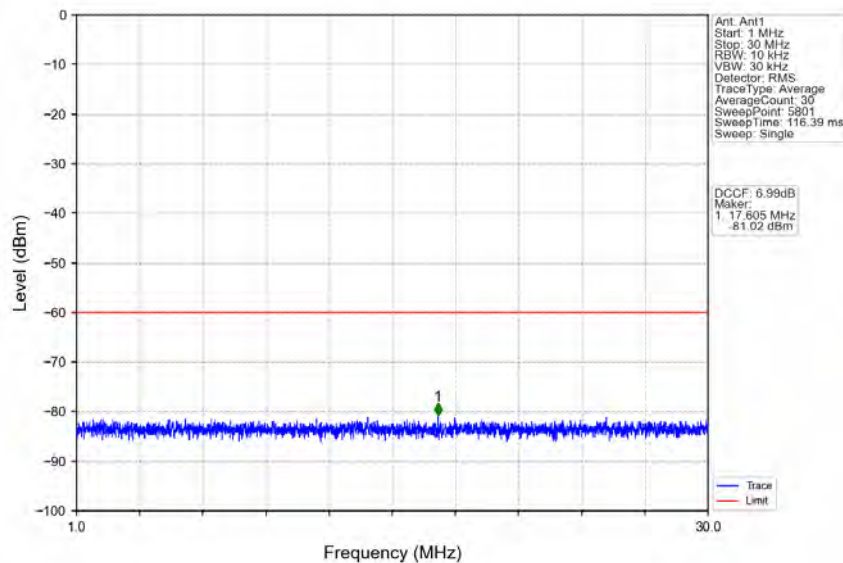
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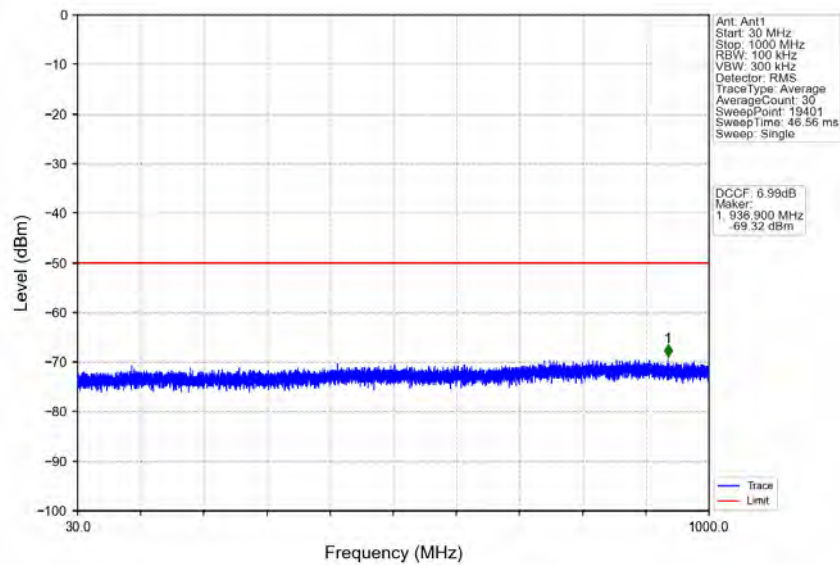


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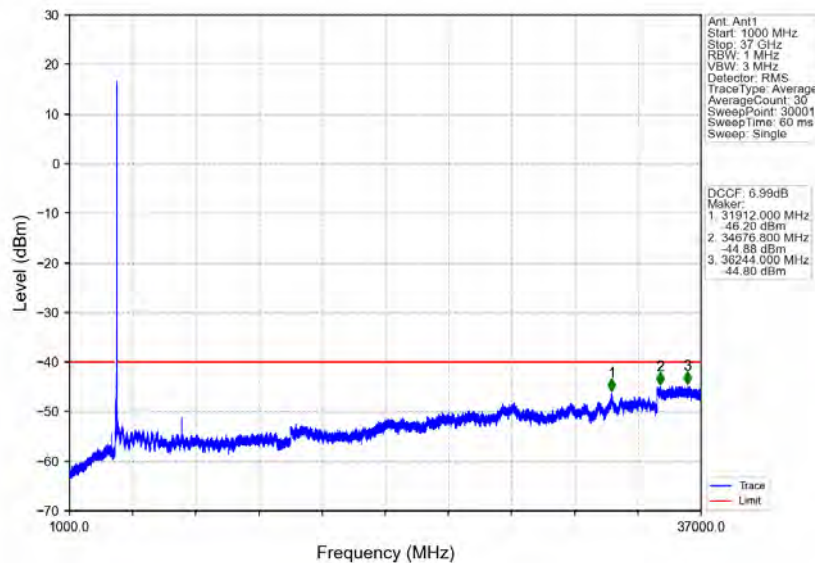
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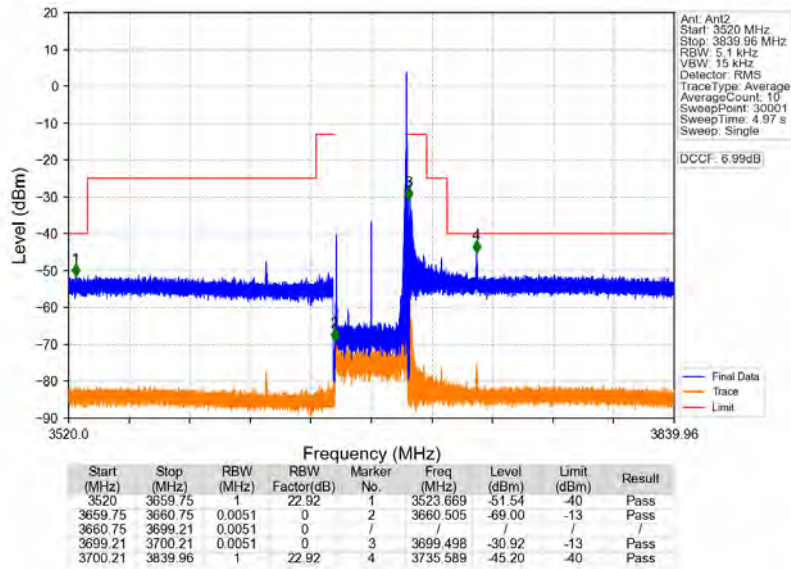
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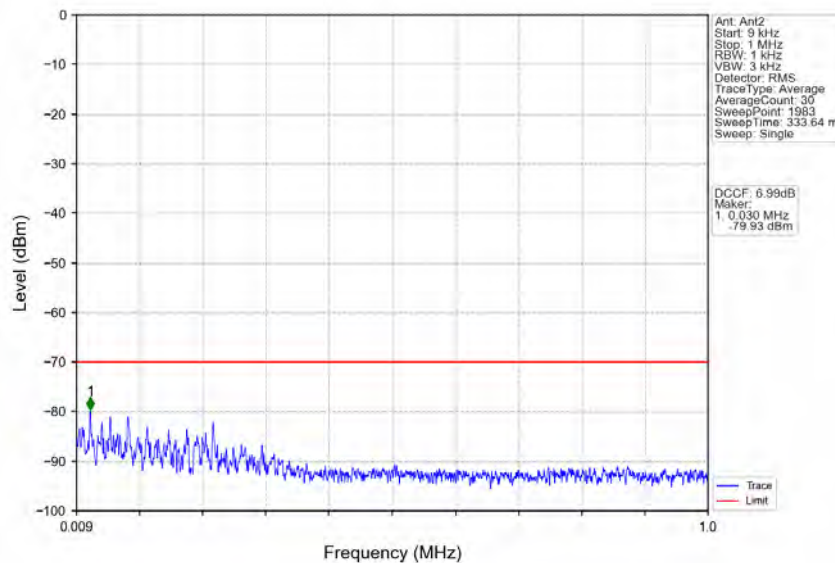
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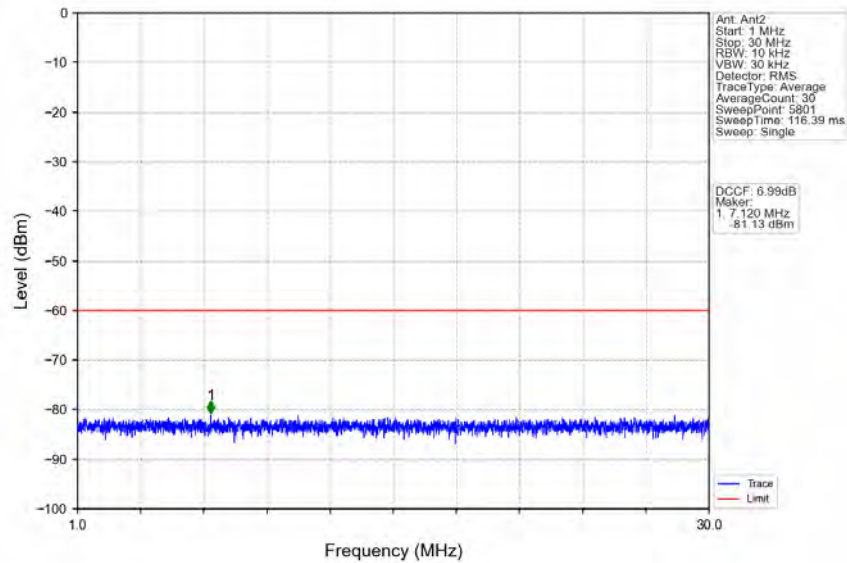
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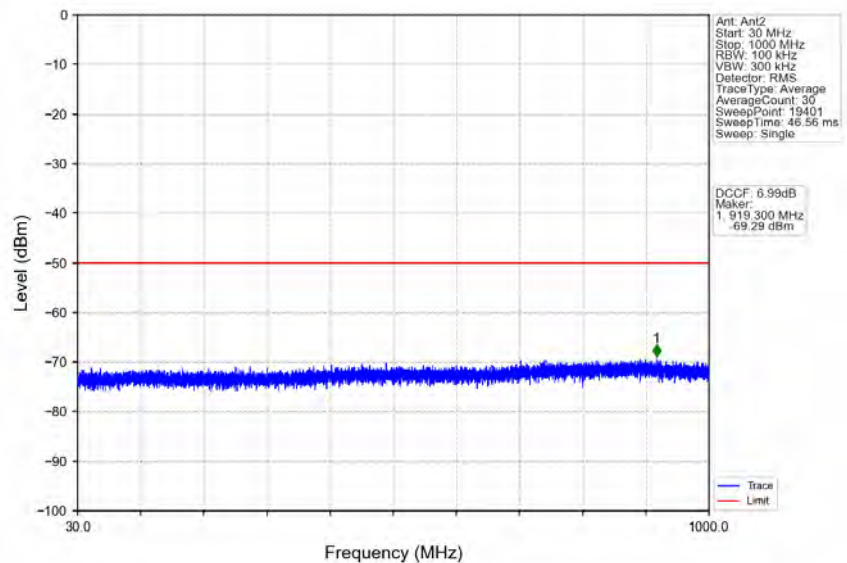
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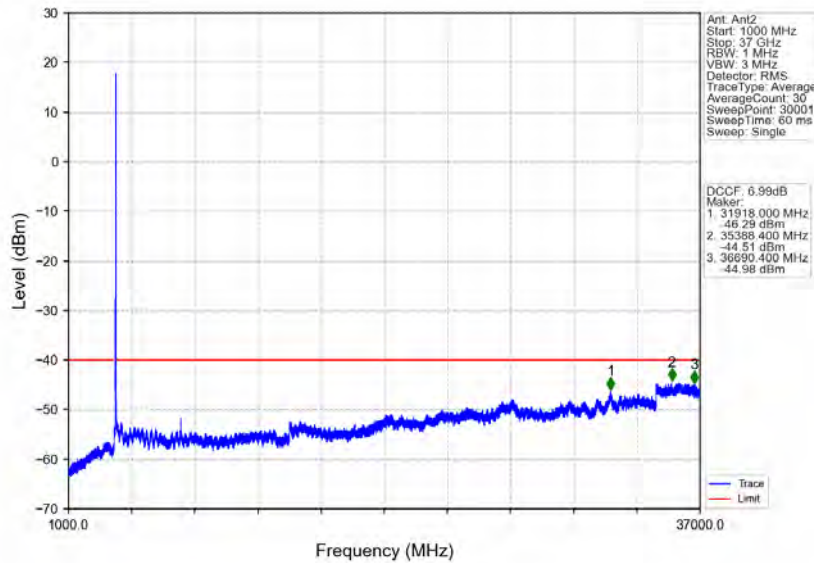
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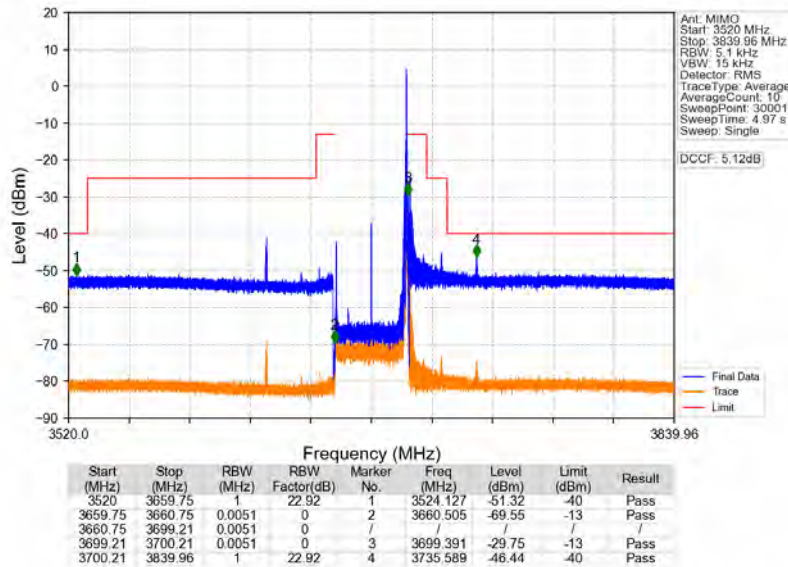
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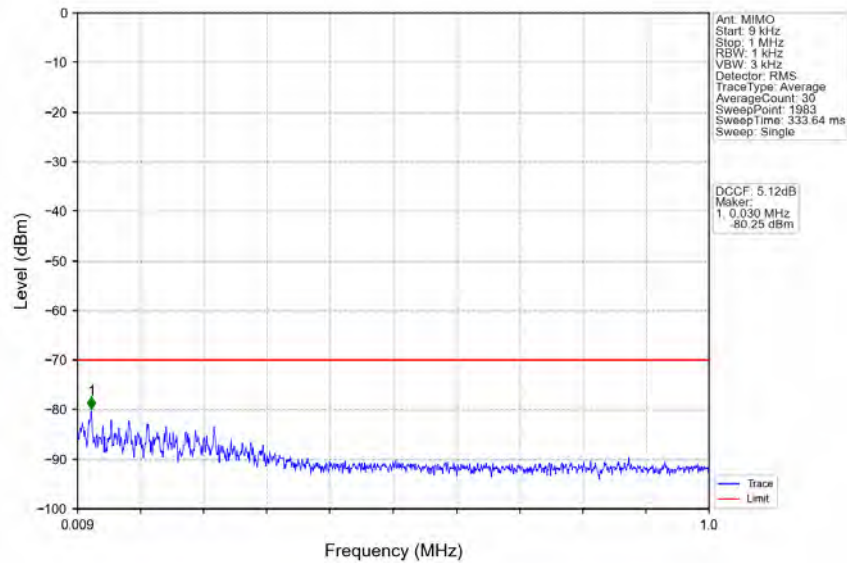
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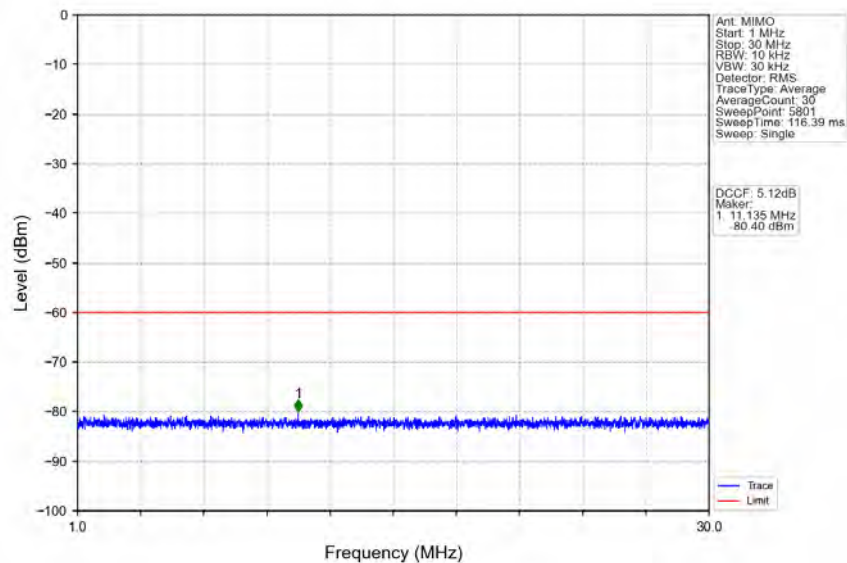
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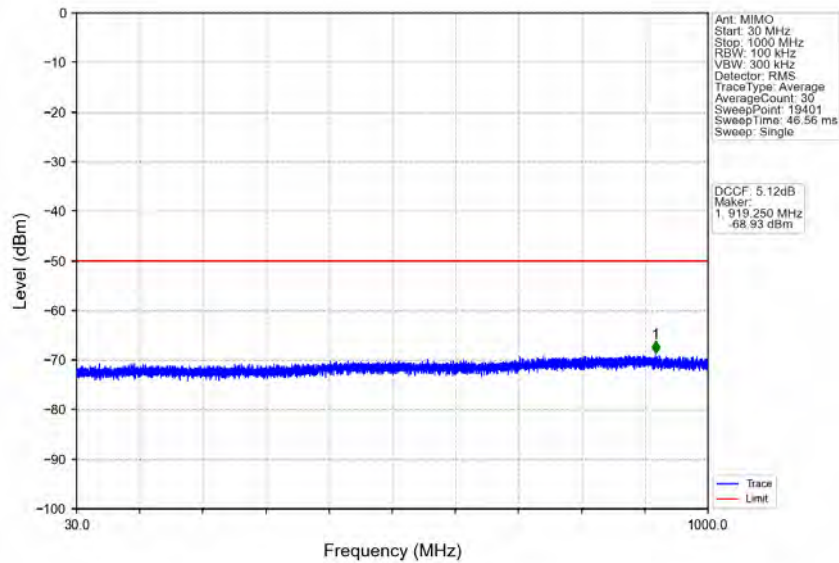
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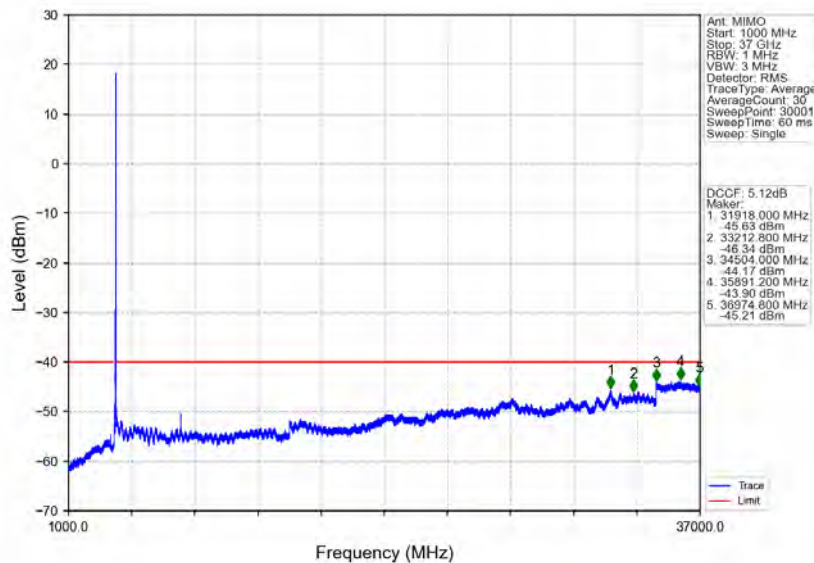
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n48_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3679.98MHz_Inner_1RB_Right



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