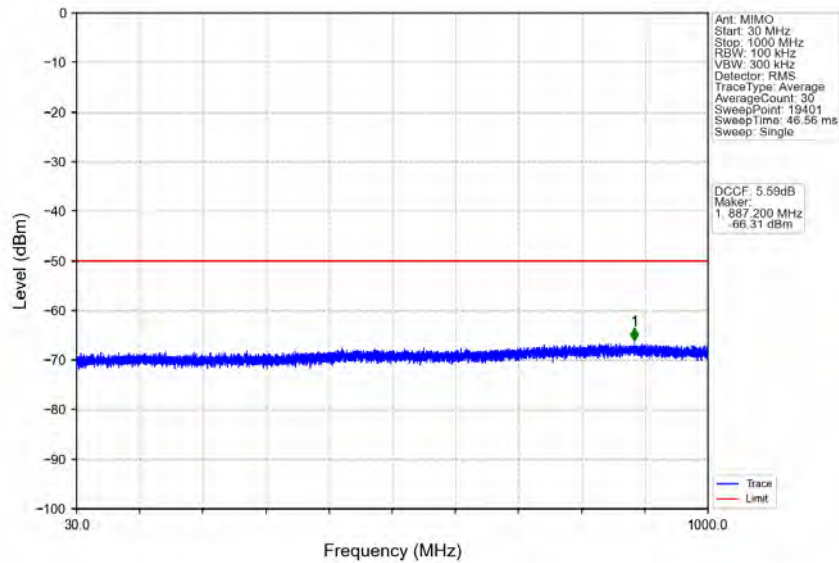
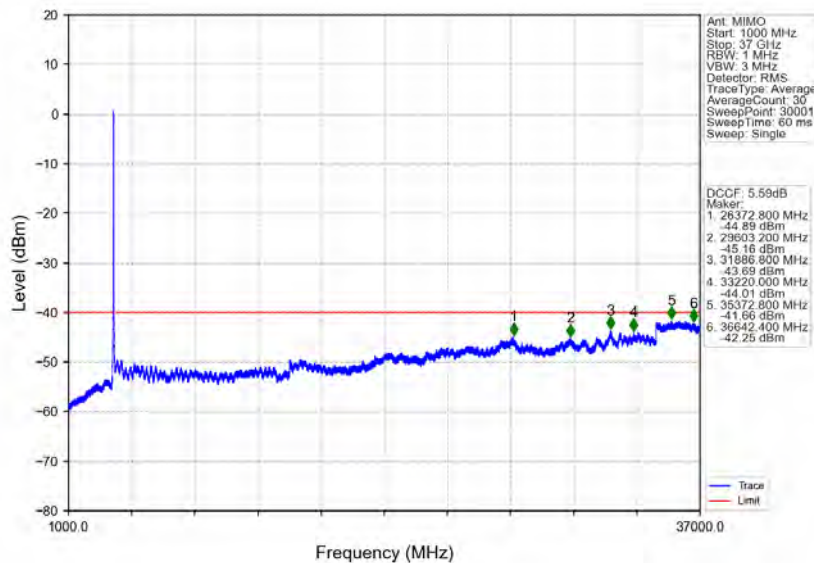


n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3565.02MHz_Outer_Full



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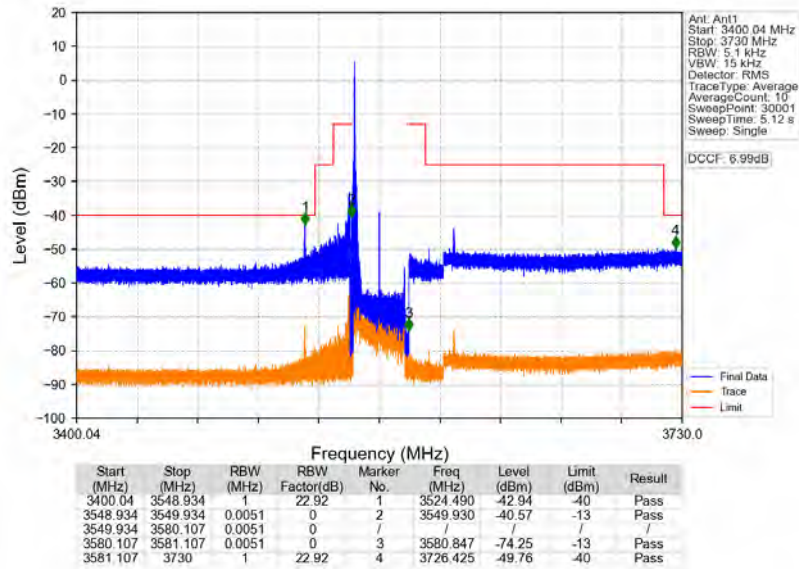
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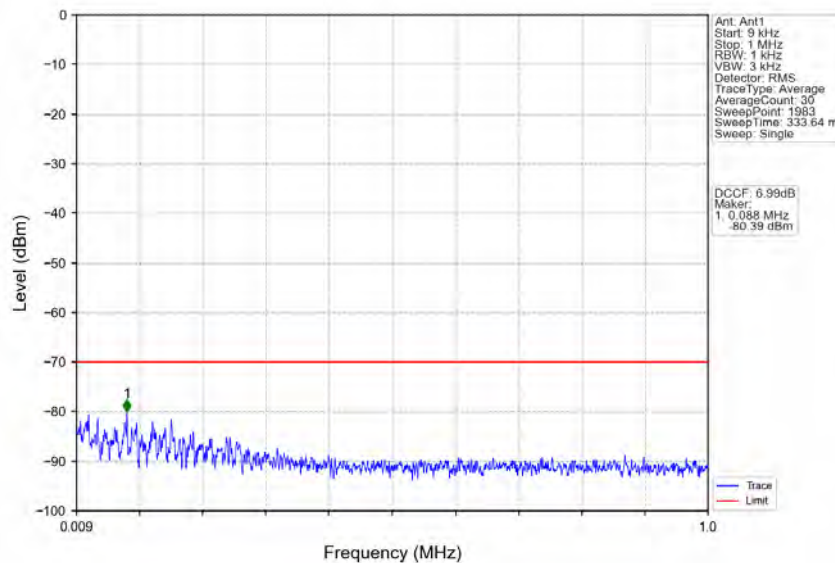
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM_QPSK_3565.02MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM_QPSK_3565.02MHz_Inner_1RB_Left



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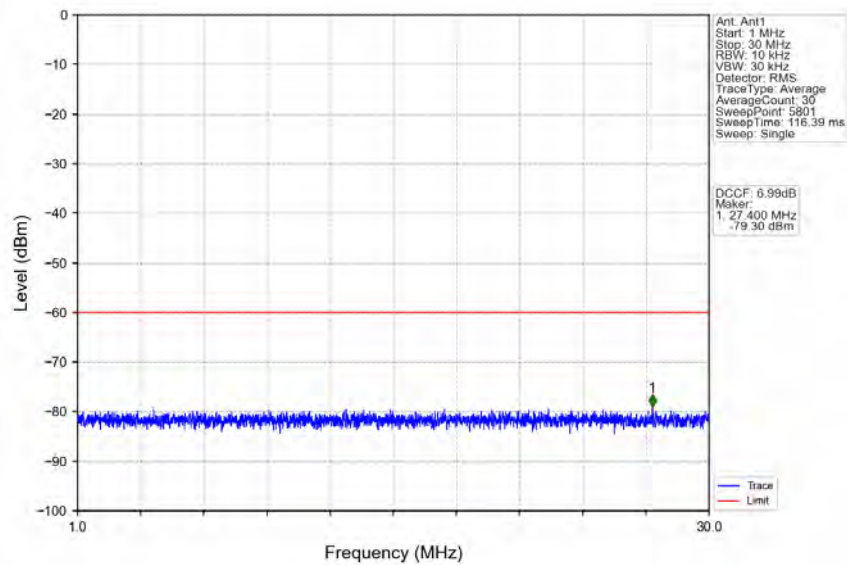
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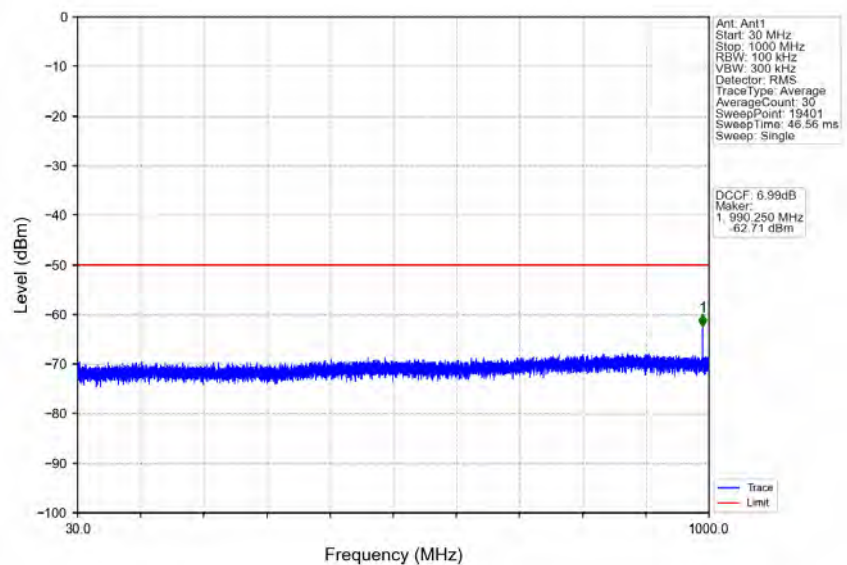
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3565.02MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3565.02MHz_Inner_1RB_Left



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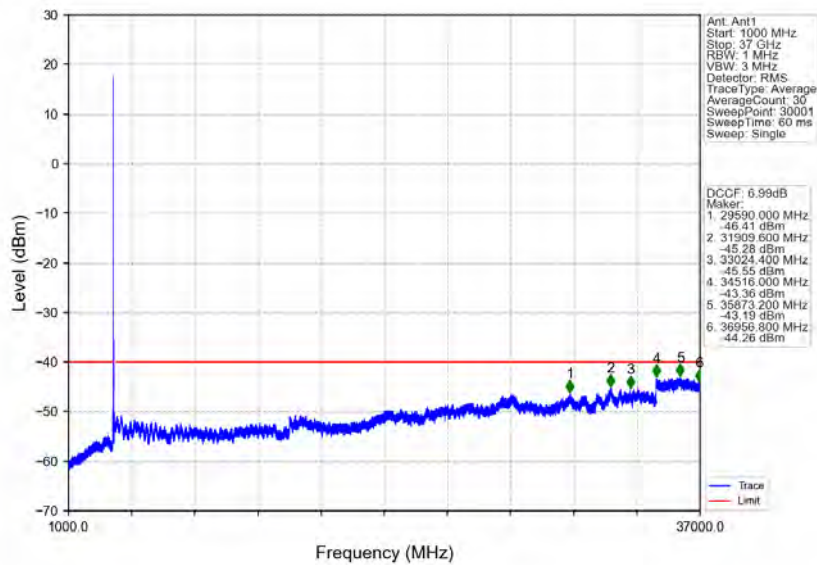
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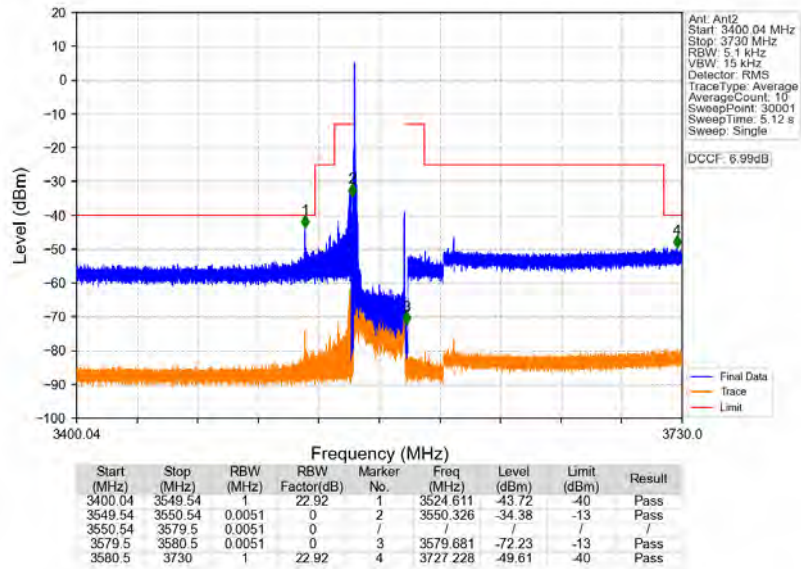
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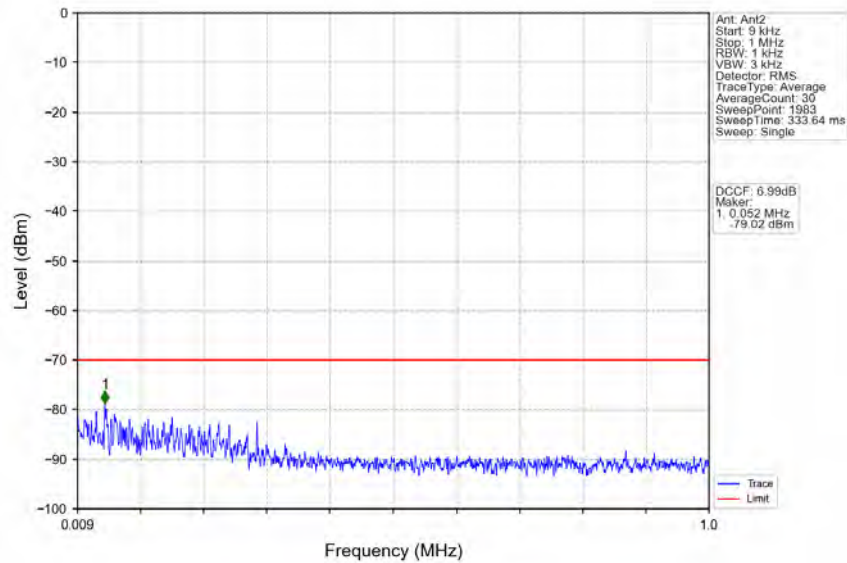
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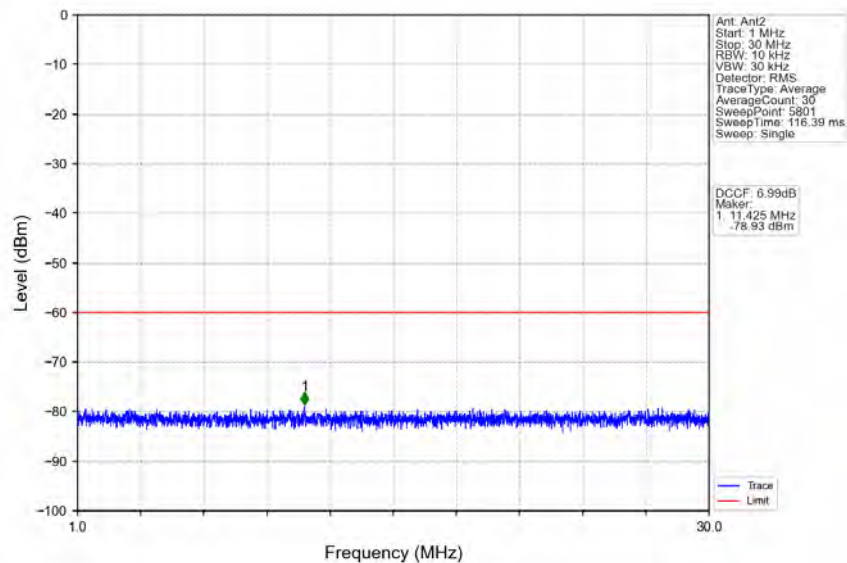
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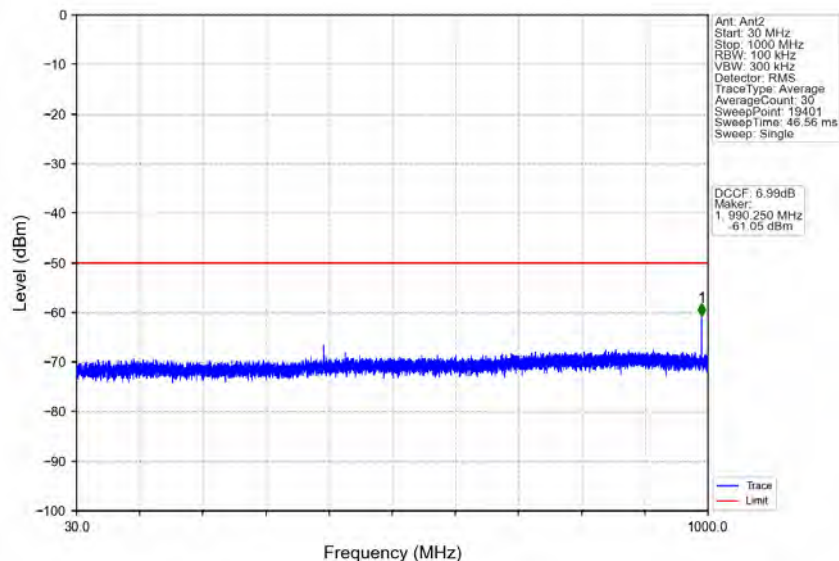
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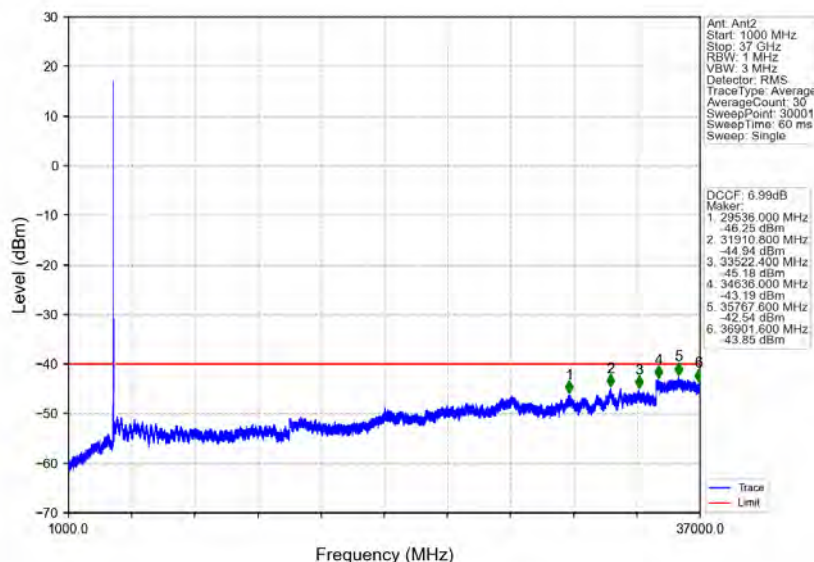
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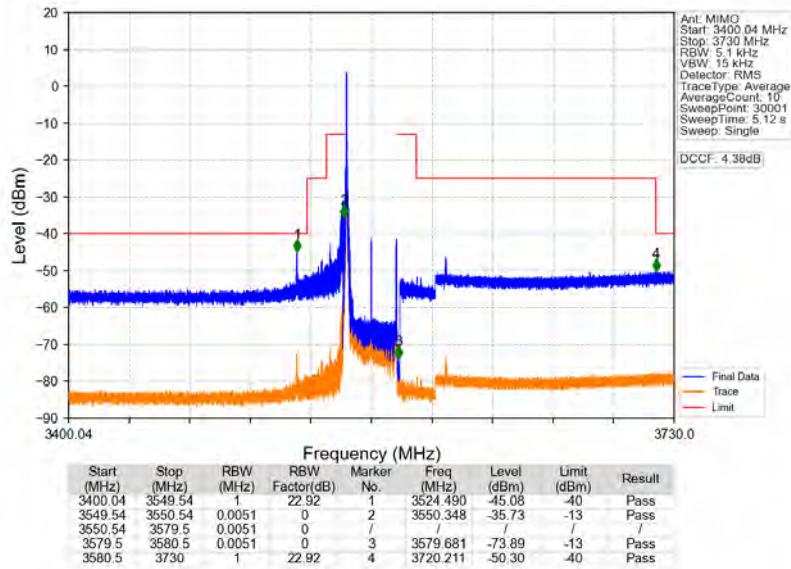
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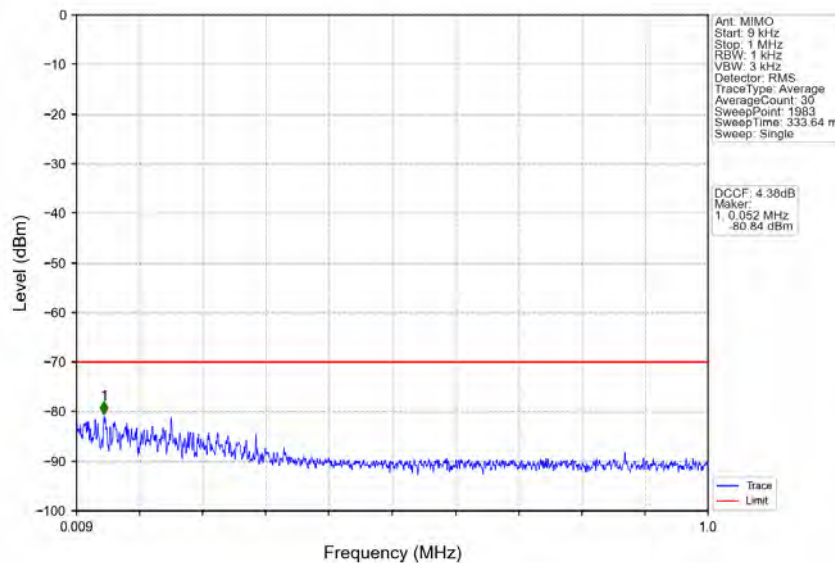
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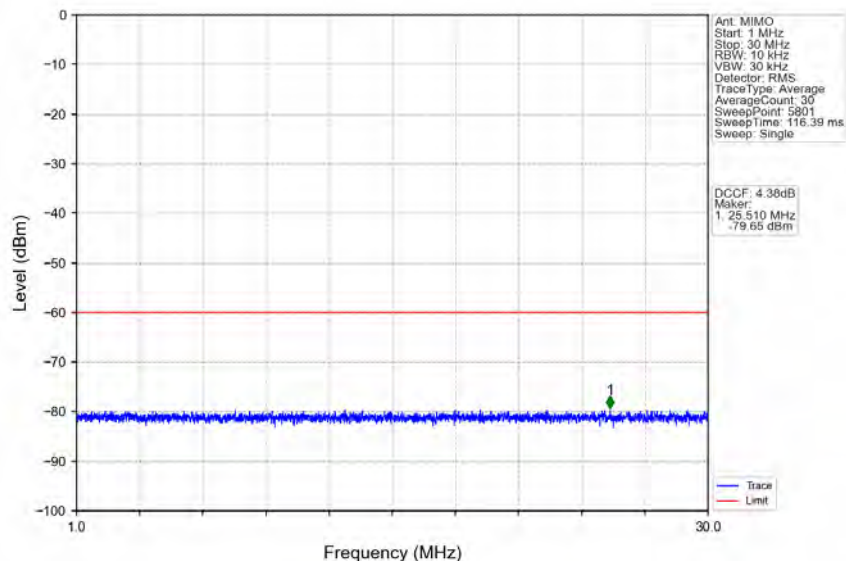
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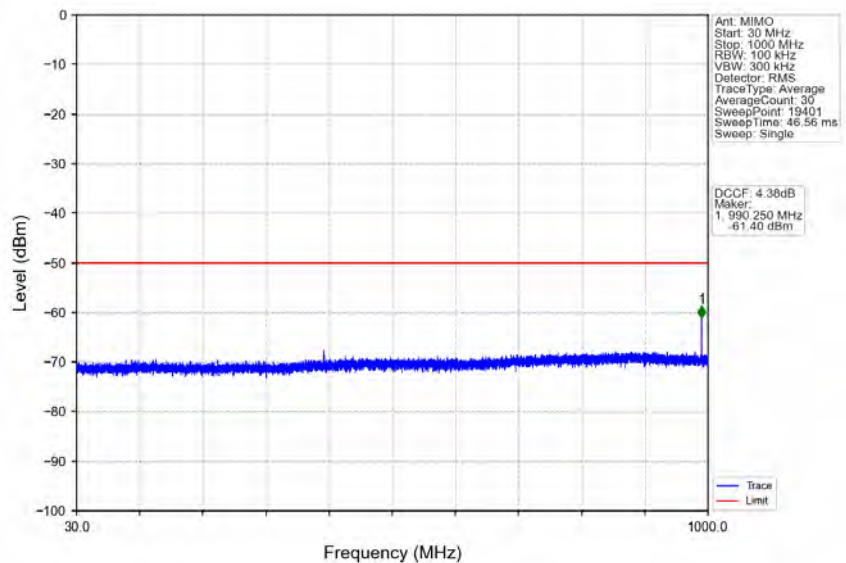
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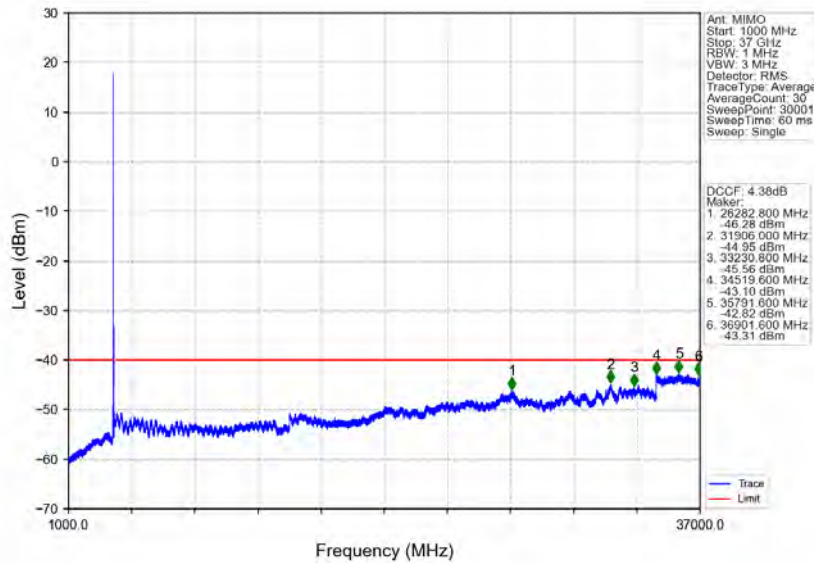
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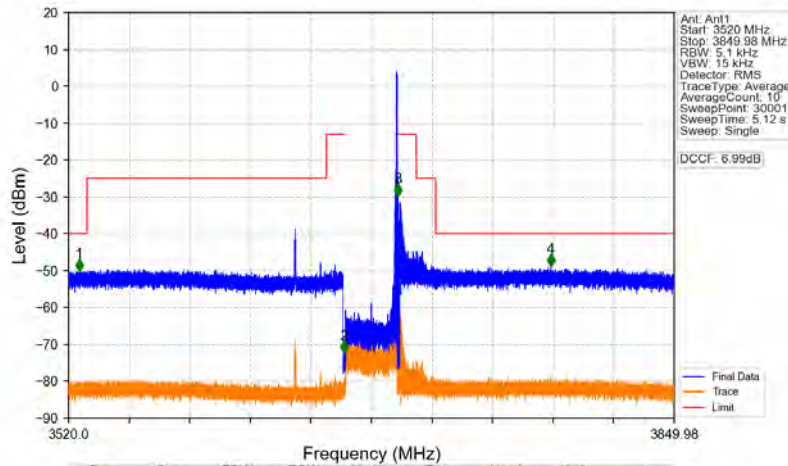
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3684.99MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3669.505	1	22.92	1	3525.863	-50.23	-40	Pass
3669.505	3670.505	0.0051	0	2	3670.196	-72.35	-13	Pass
3670.505	3699.475	0.0051	0	3	3699.542	-29.91	-13	Pass
3699.475	3700.475	0.0051	0	4	3782.785	-48.84	-40	Pass
3700.475	3849.98	1	22.92					



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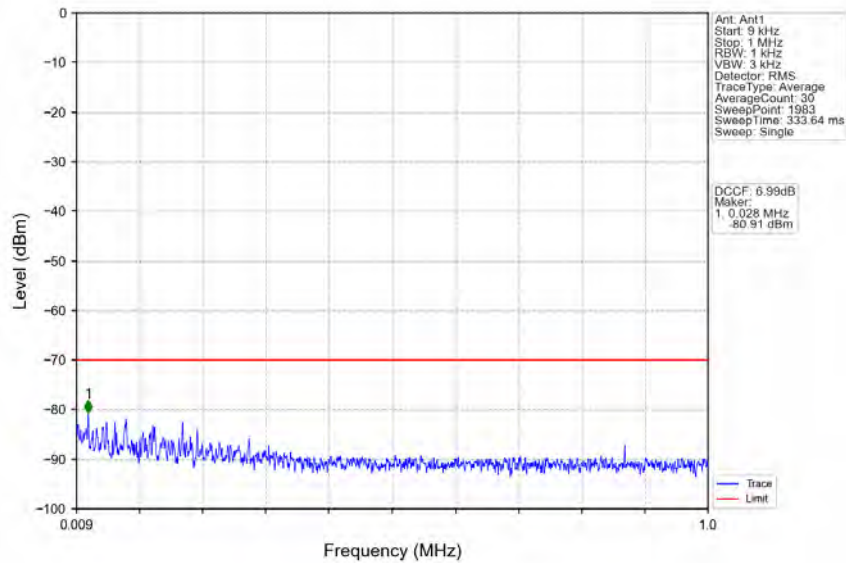
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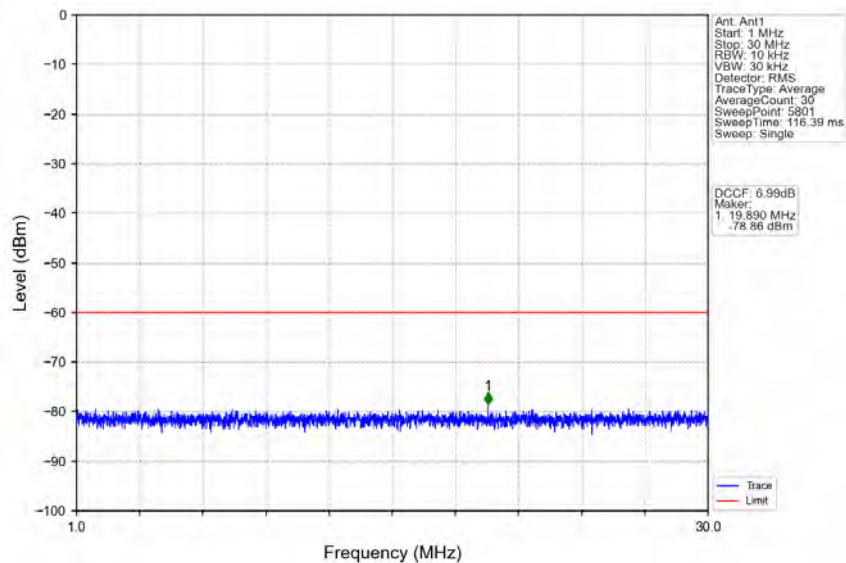
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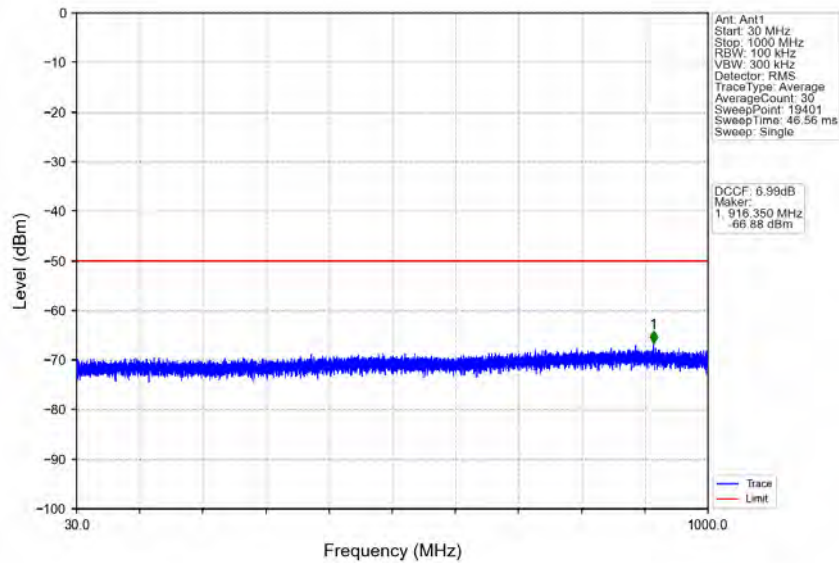
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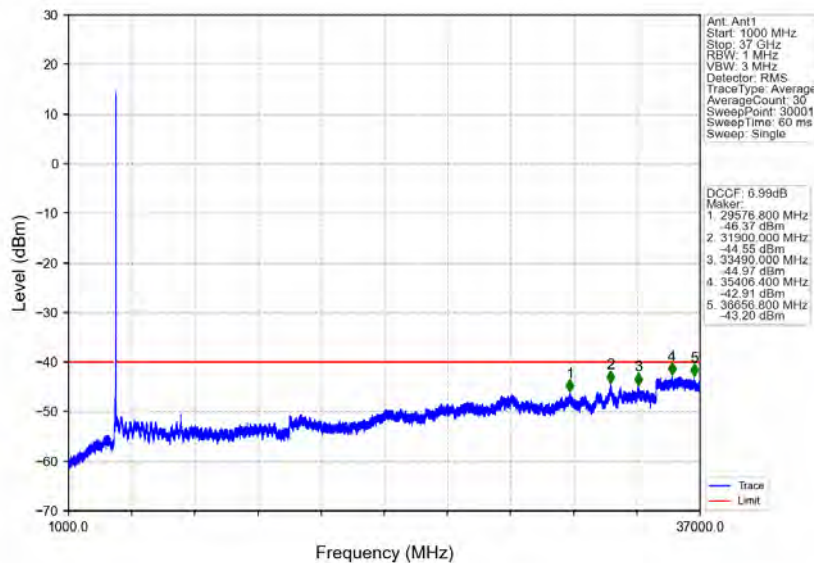
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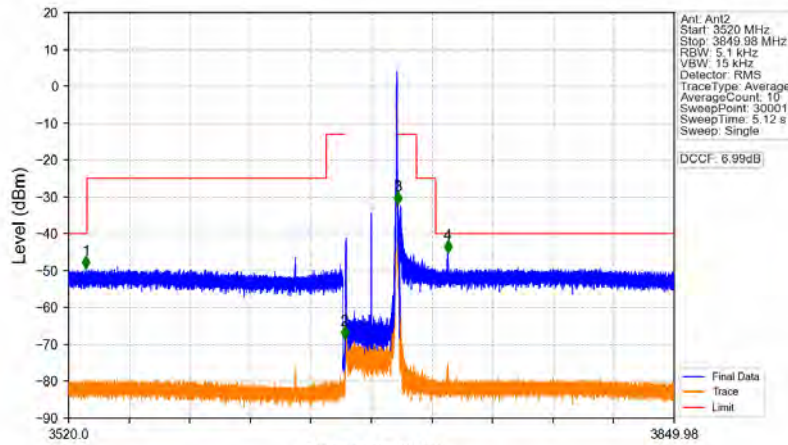
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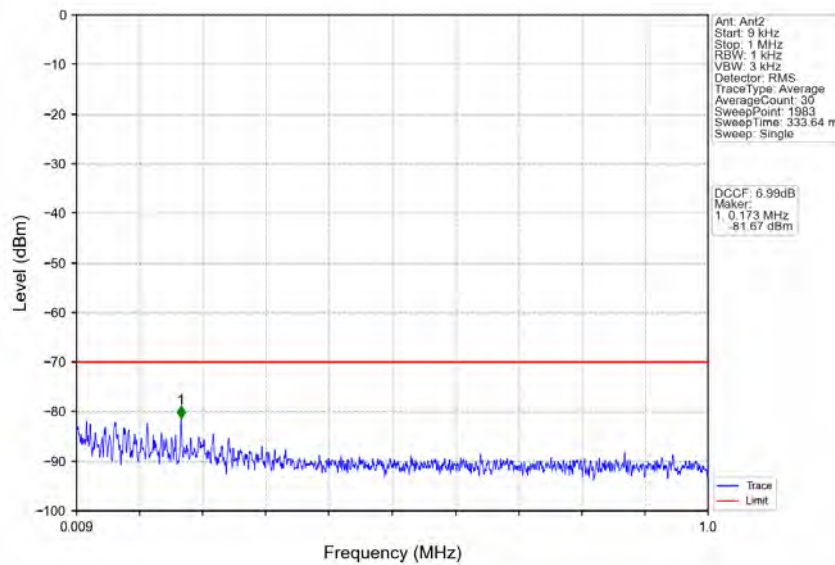
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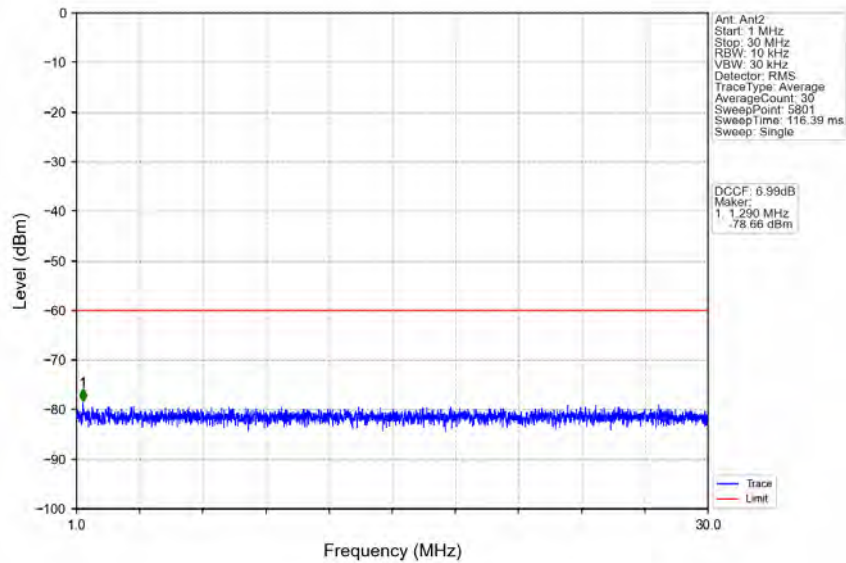
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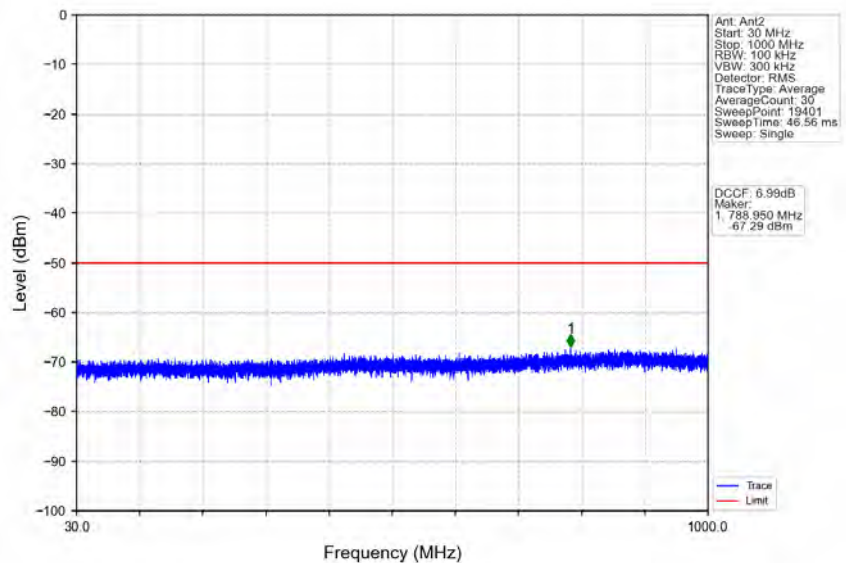
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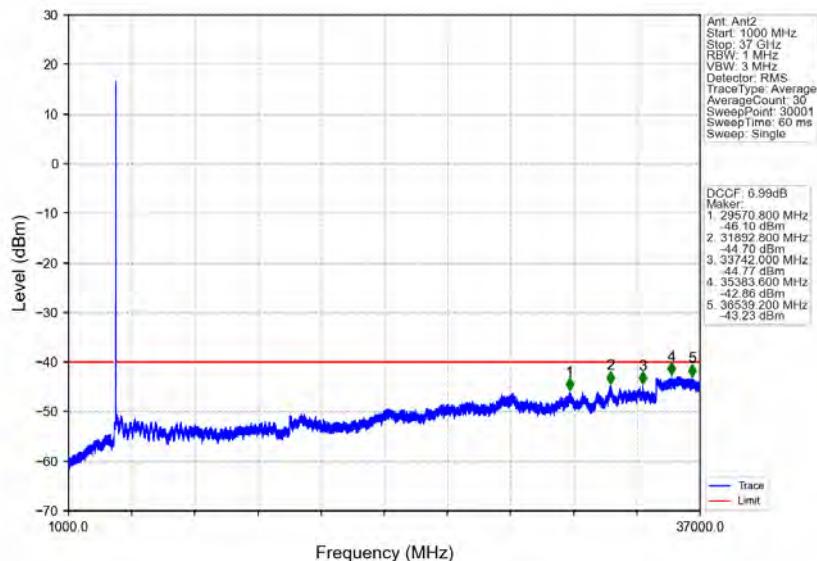
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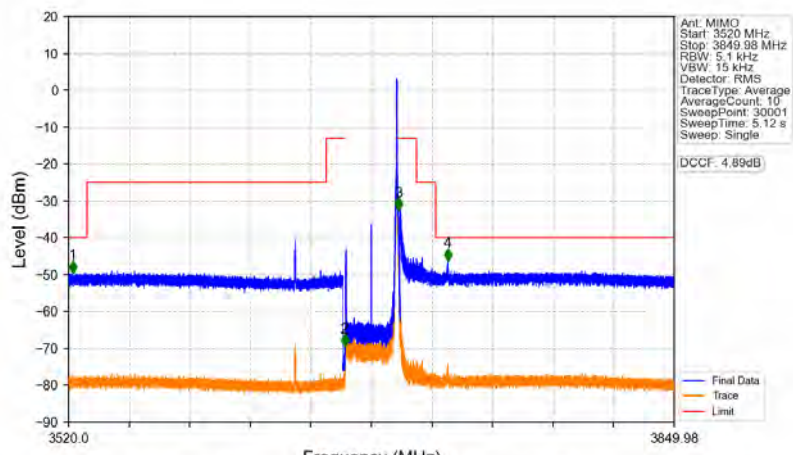
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM_QPSK_3684.99MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3669.422	1	22.92	1	3522.265	-49.56	-40	Pass
3669.422	3670.422	0.0051	0	2	3670.416	-69.46	-13	Pass
3670.422	3699.558	0.0051	0	/	/	/	/	/
3699.558	3700.558	0.0051	0	3	3699.619	-32.65	-13	Pass
3700.558	3849.98	1	22.92	4	3726.545	-46.25	-40	Pass



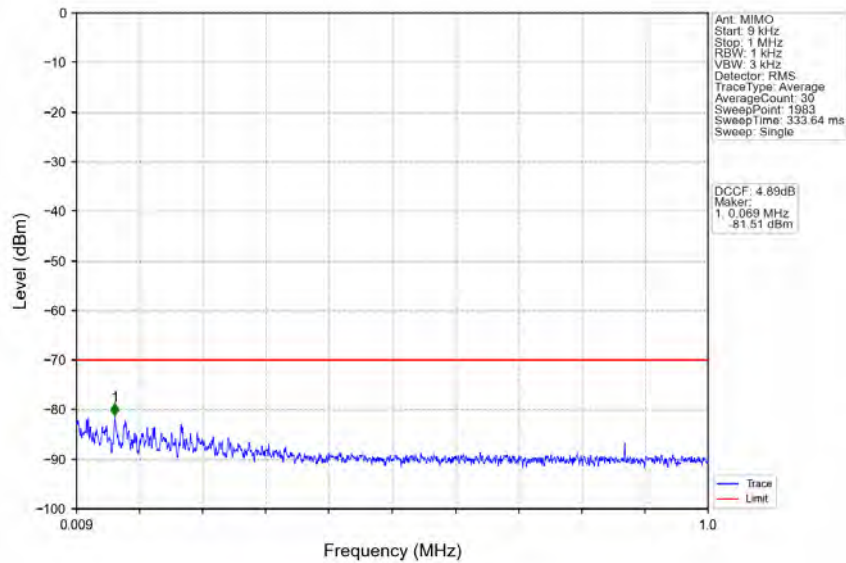
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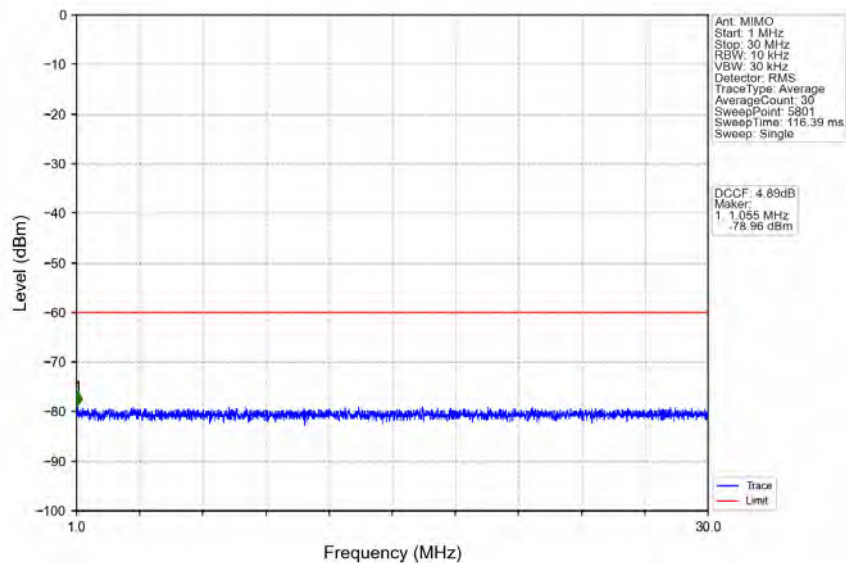
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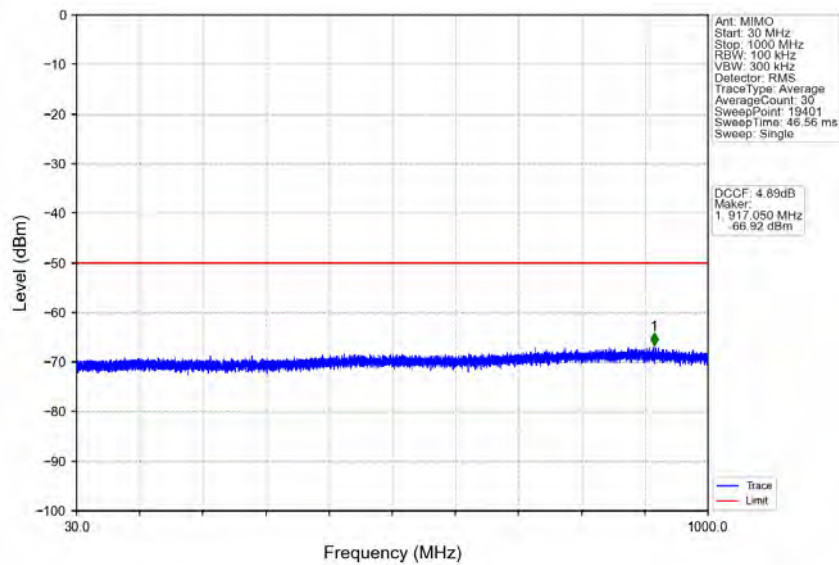
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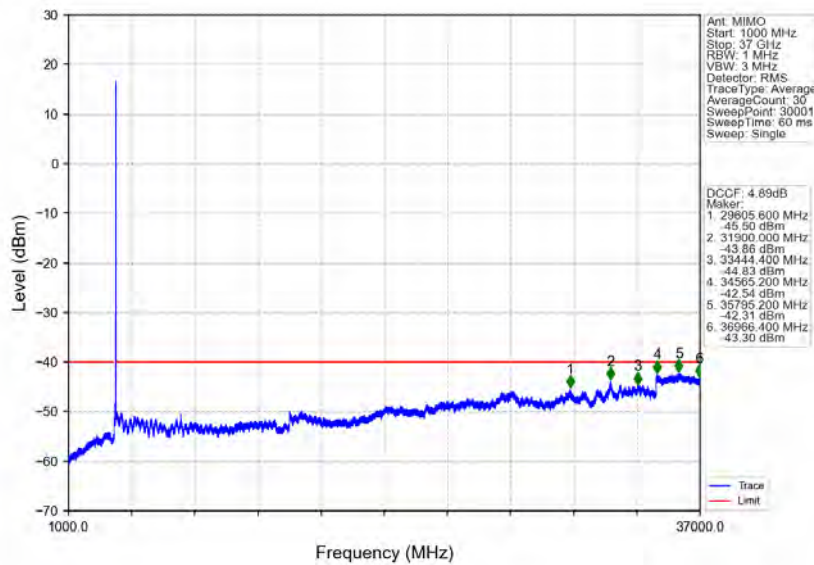
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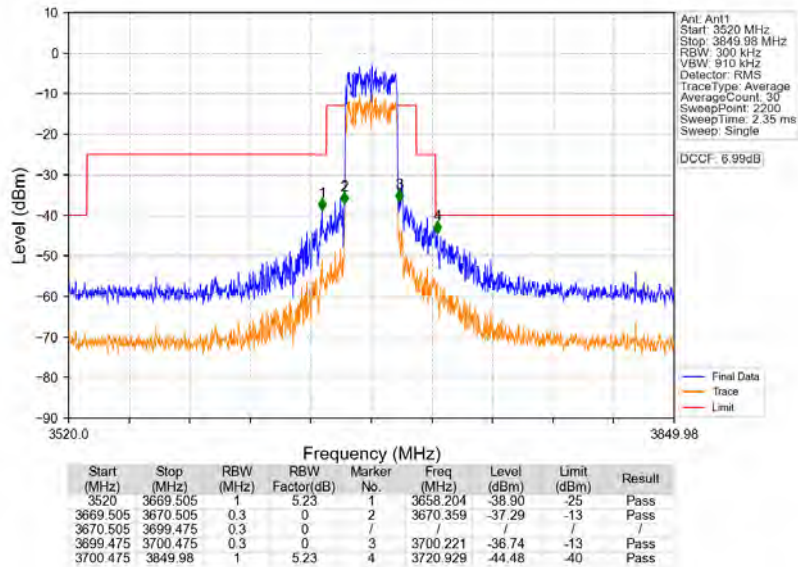
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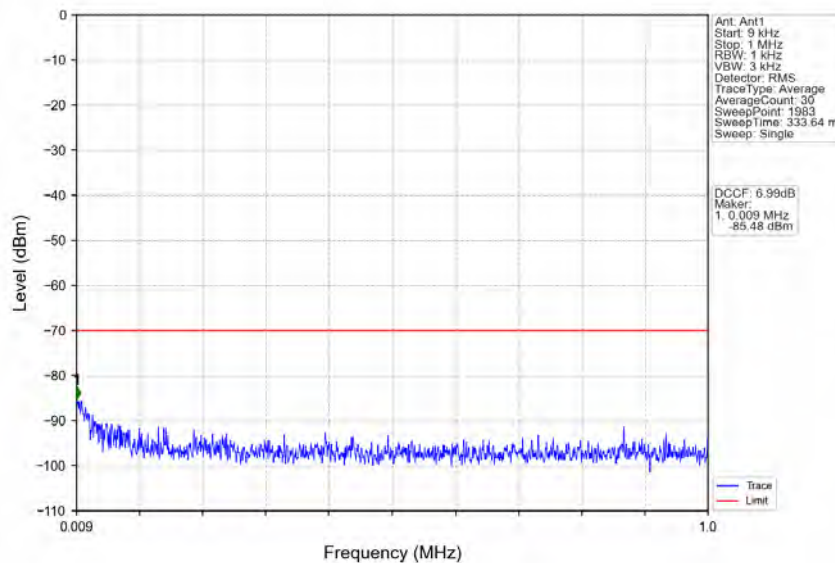
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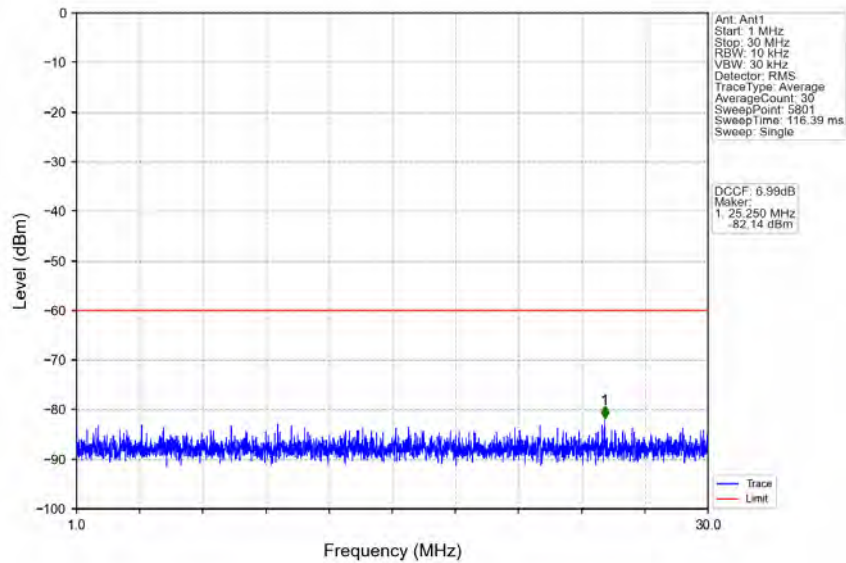
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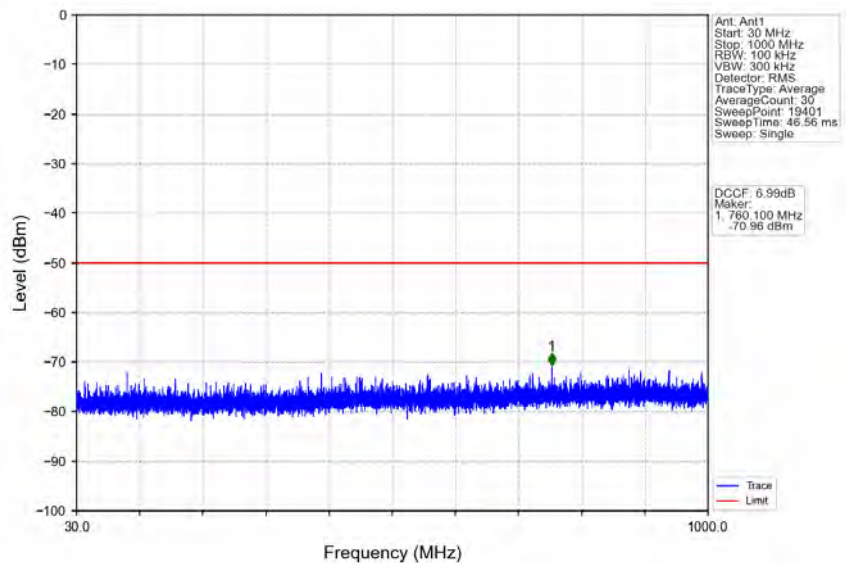
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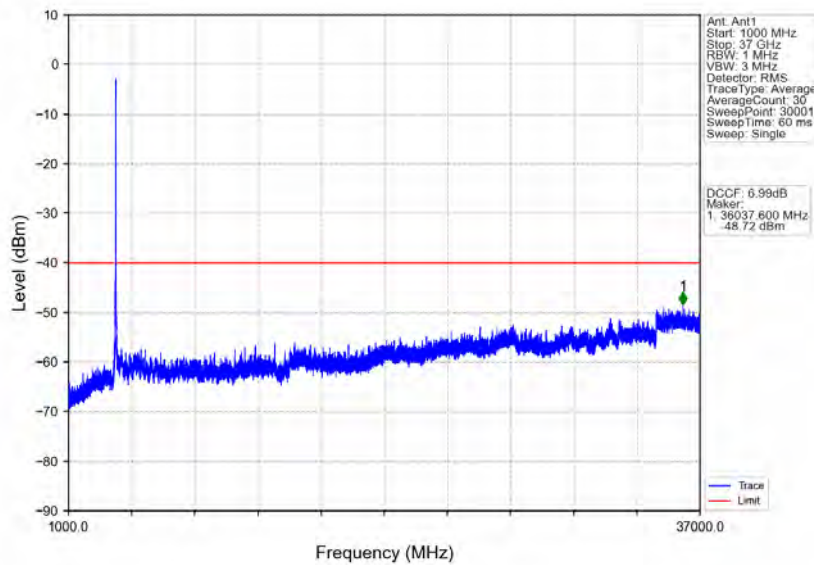
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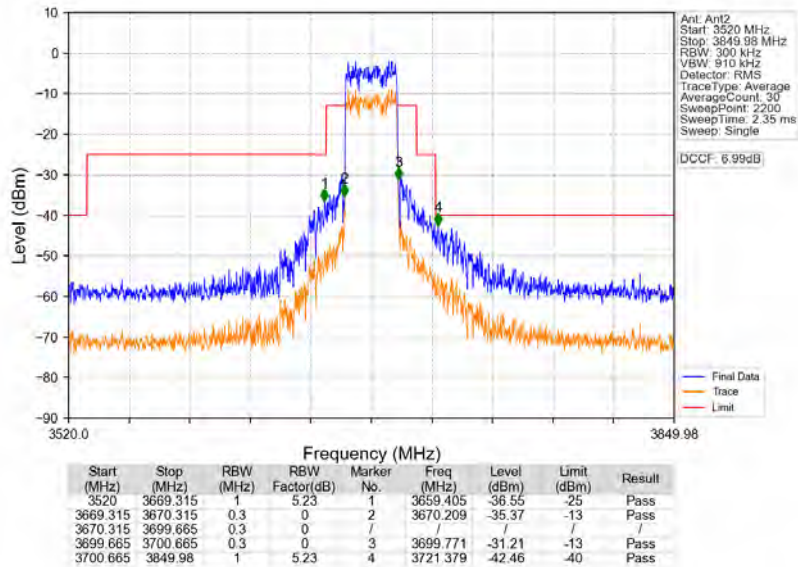
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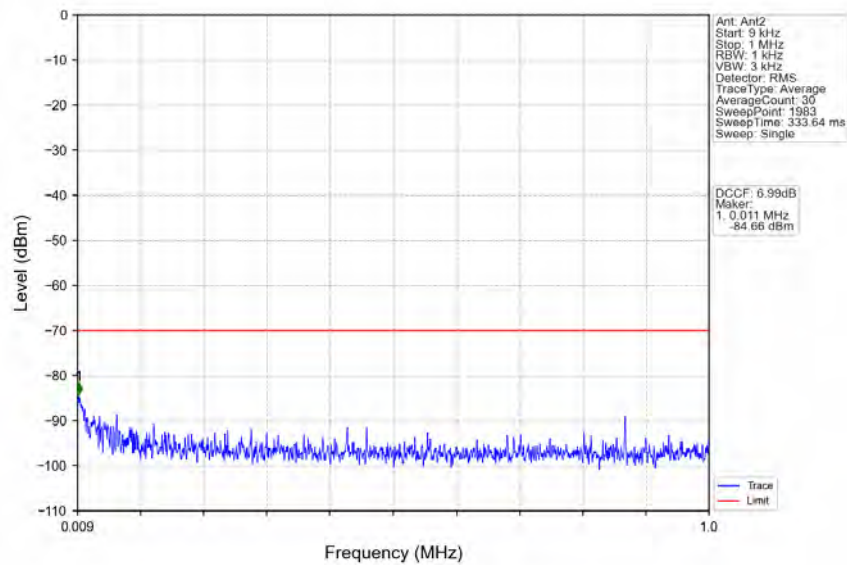
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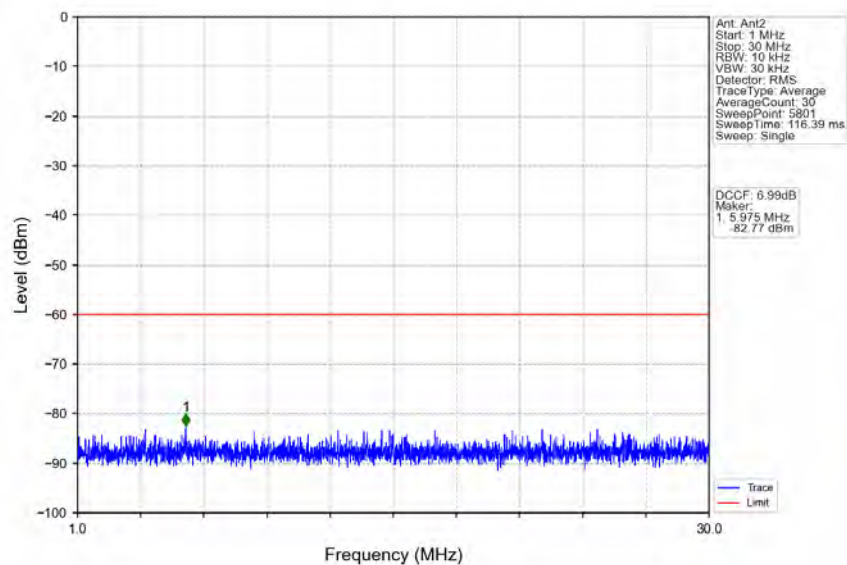
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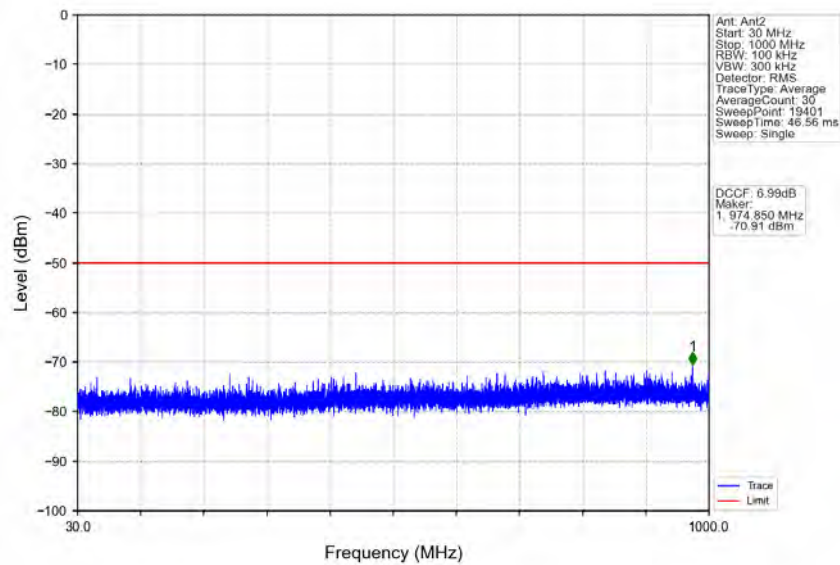
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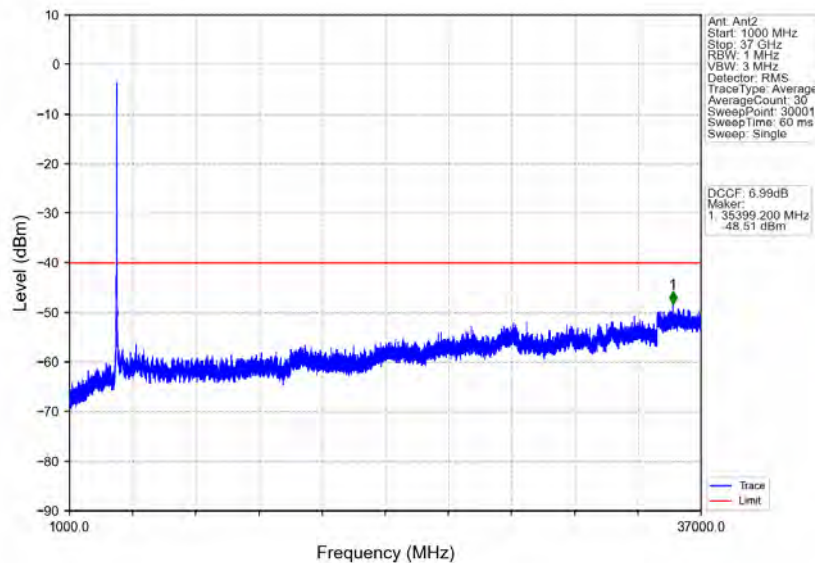
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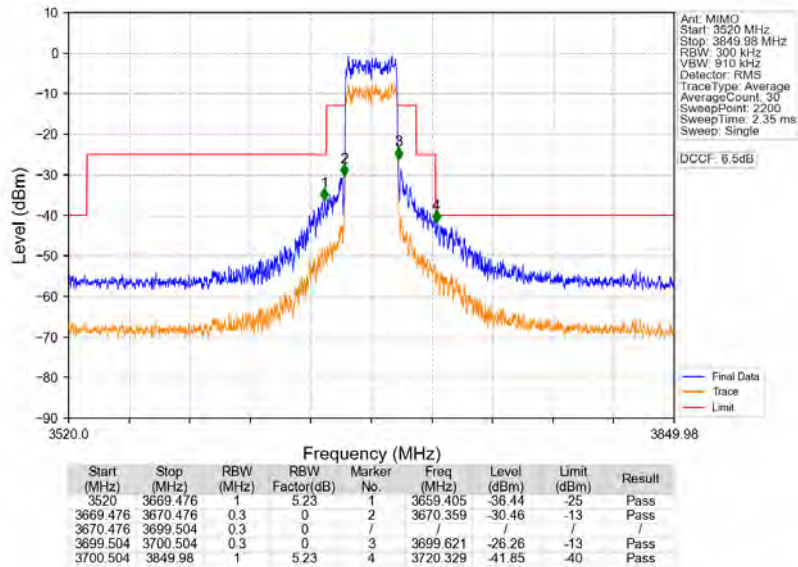
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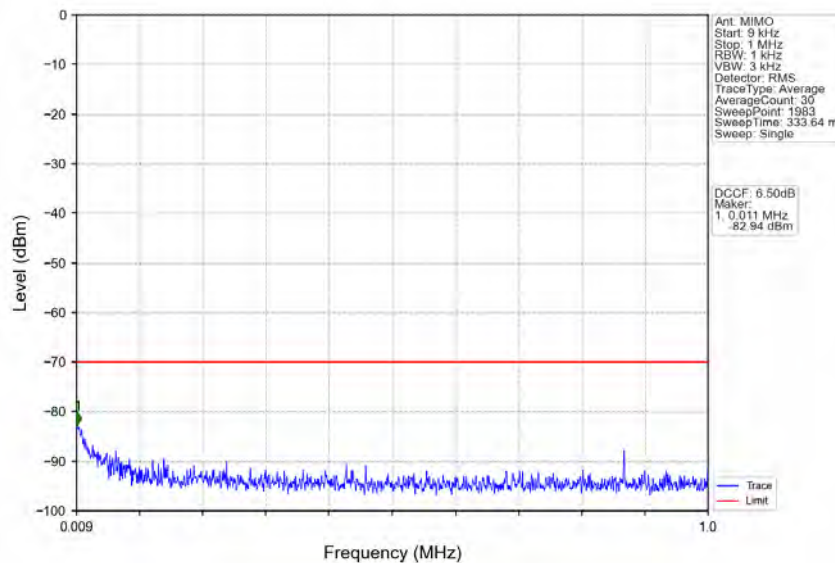
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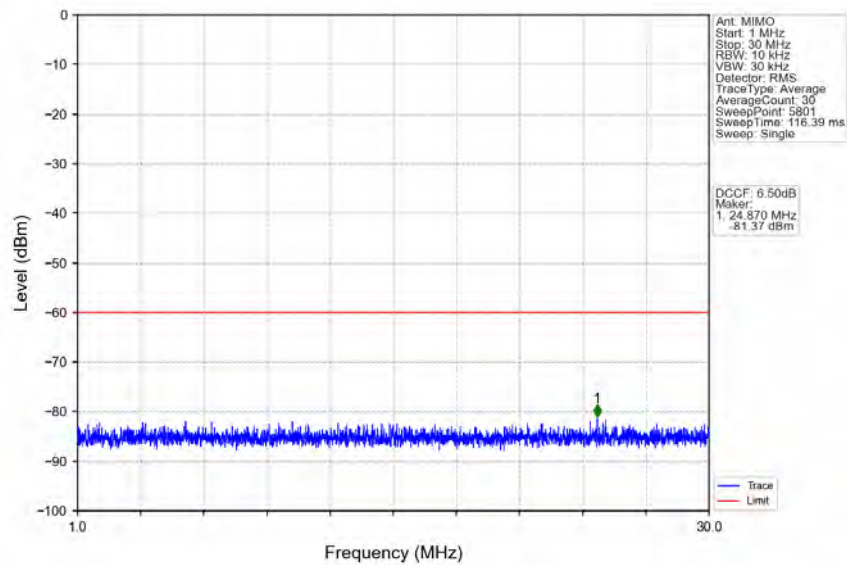
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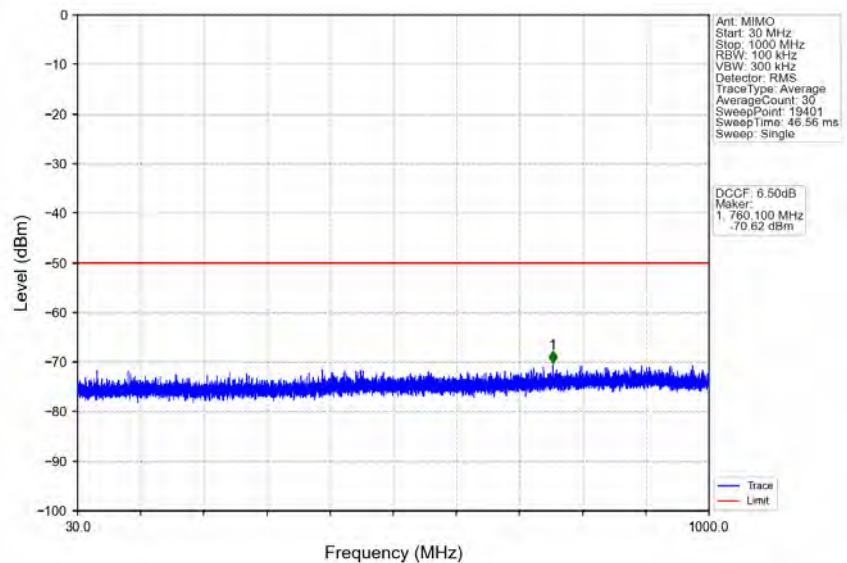


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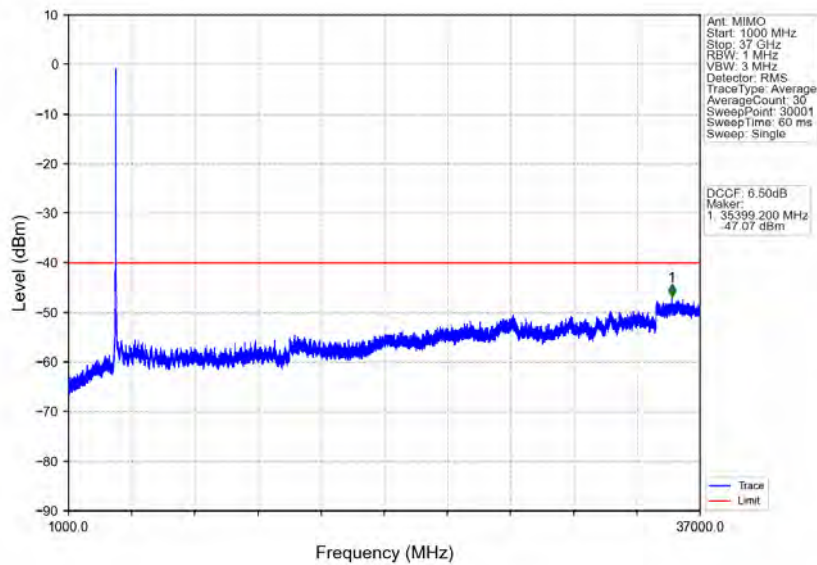
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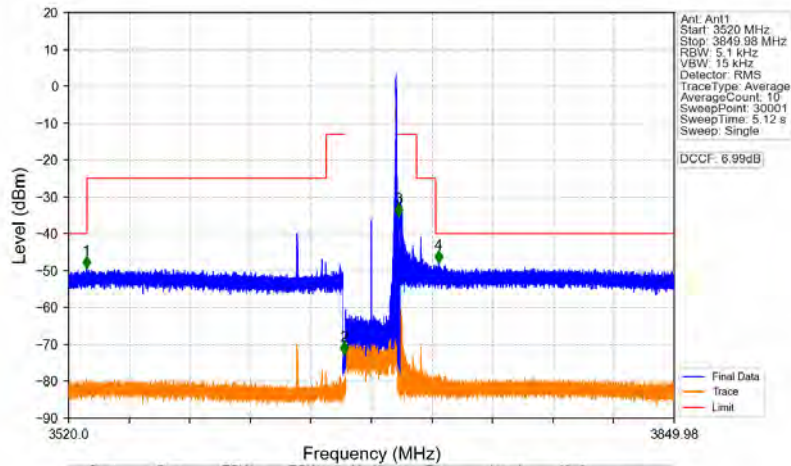
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3684.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3684.99MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3669.394	1	22.92	1	3529.712	-49.40	-40	Pass
3669.394	3670.394	0.0051	0	2	3670.174	-72.74	-13	Pass
3670.394	3699.586	0.0051	0	3	3699.630	-35.33	-13	Pass
3699.586	3700.586	0.0051	0	4	3721.673	-47.95	-40	Pass



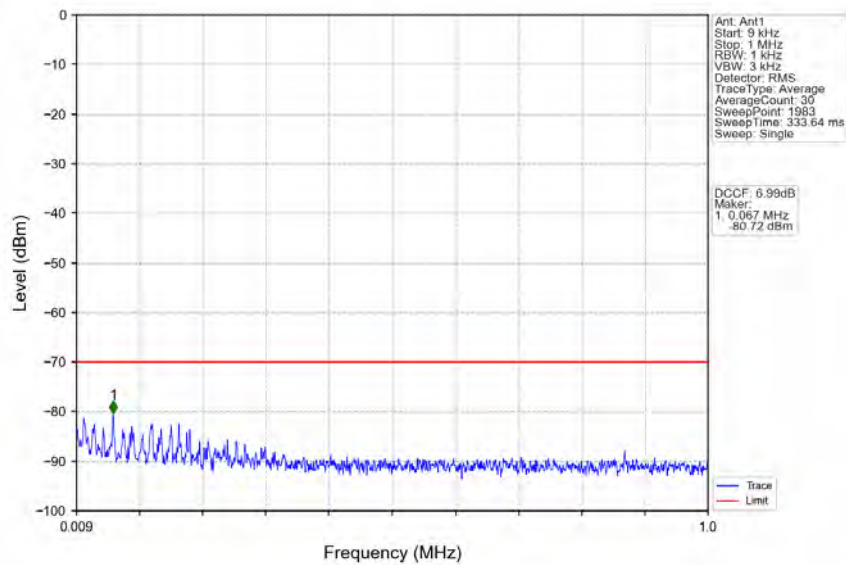
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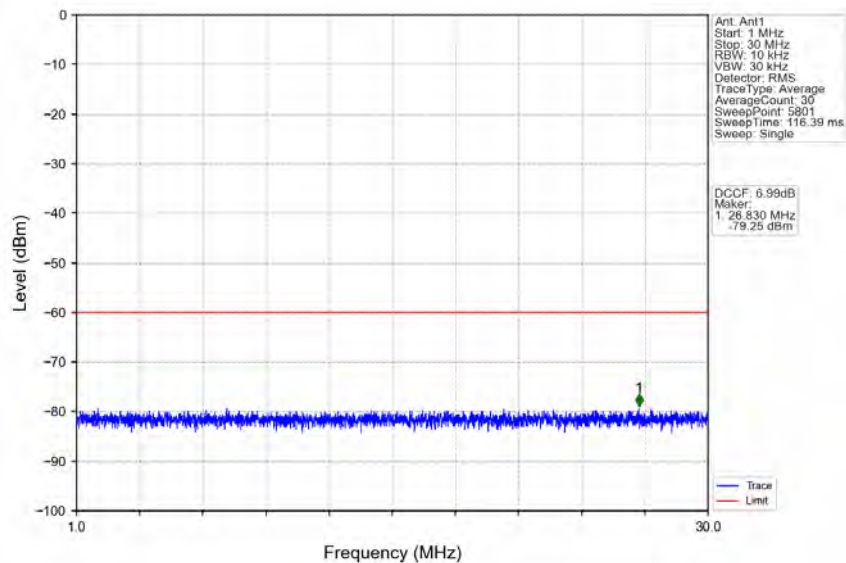
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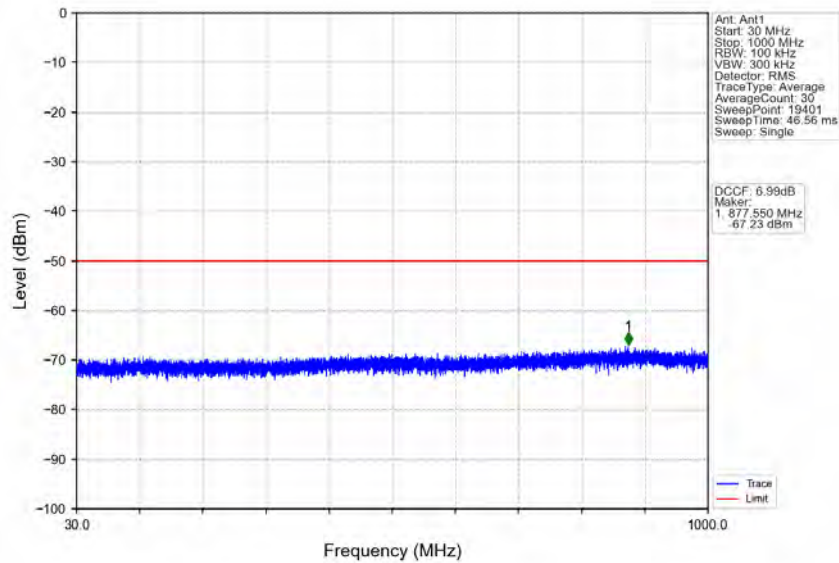
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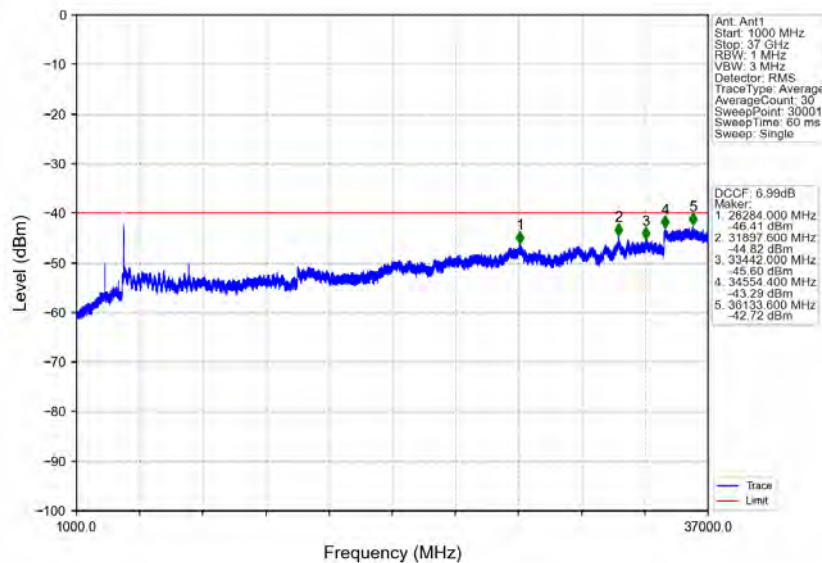
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3684.99MHz_Inner_1RB_Right



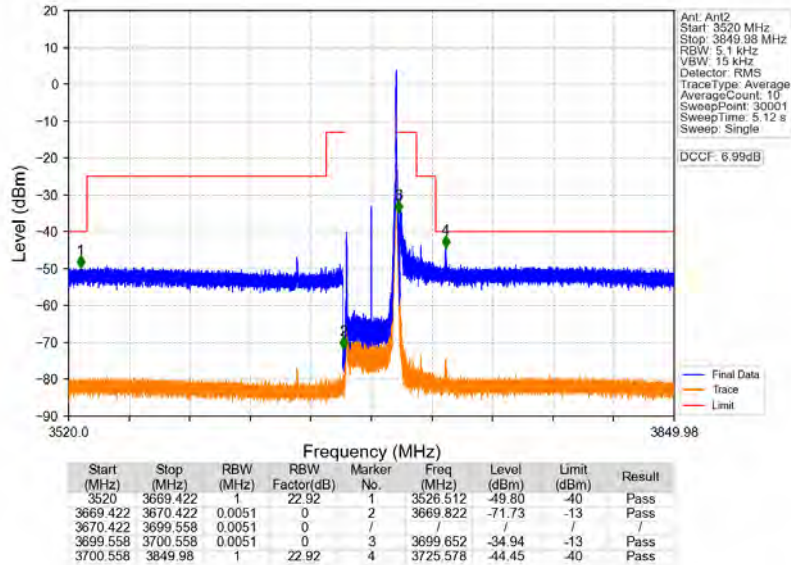
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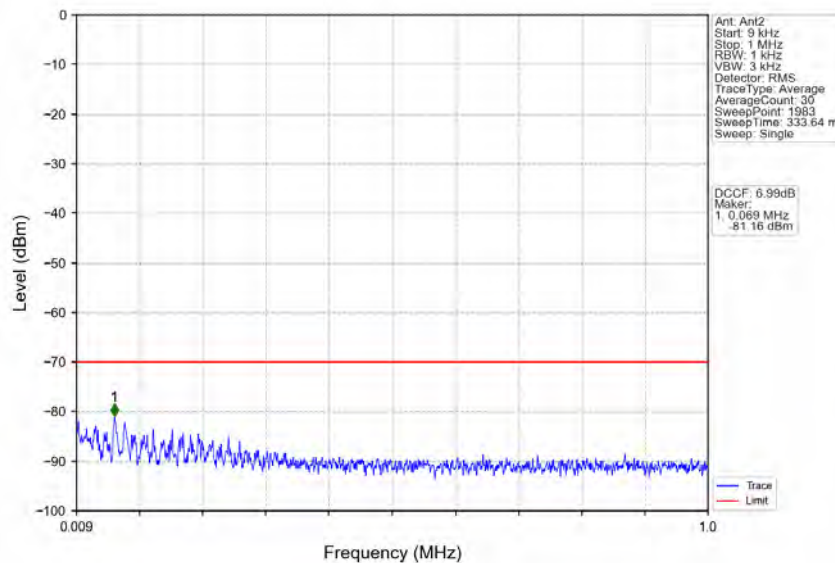
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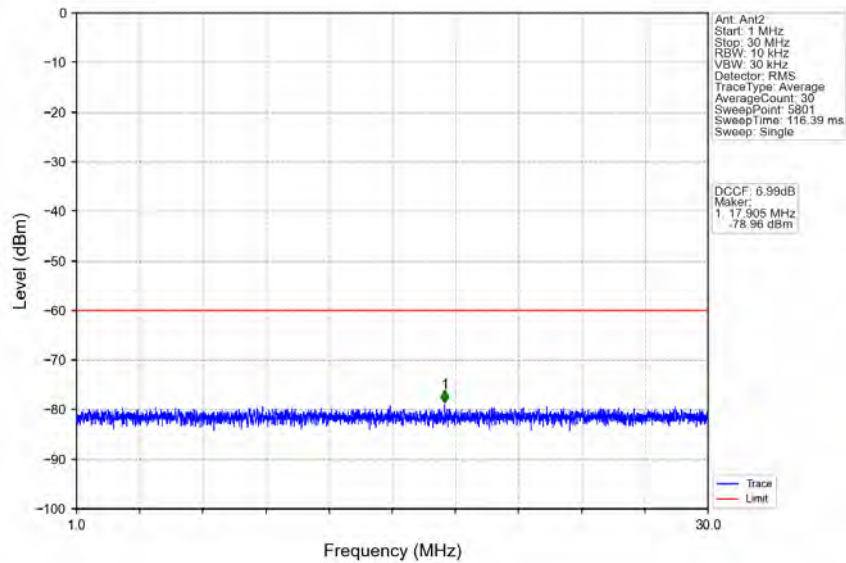
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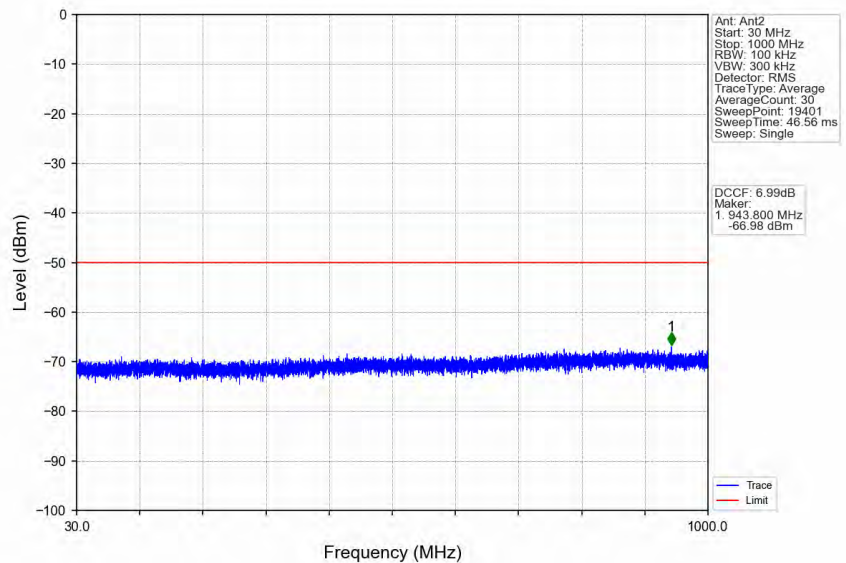


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 EMC Laboratory

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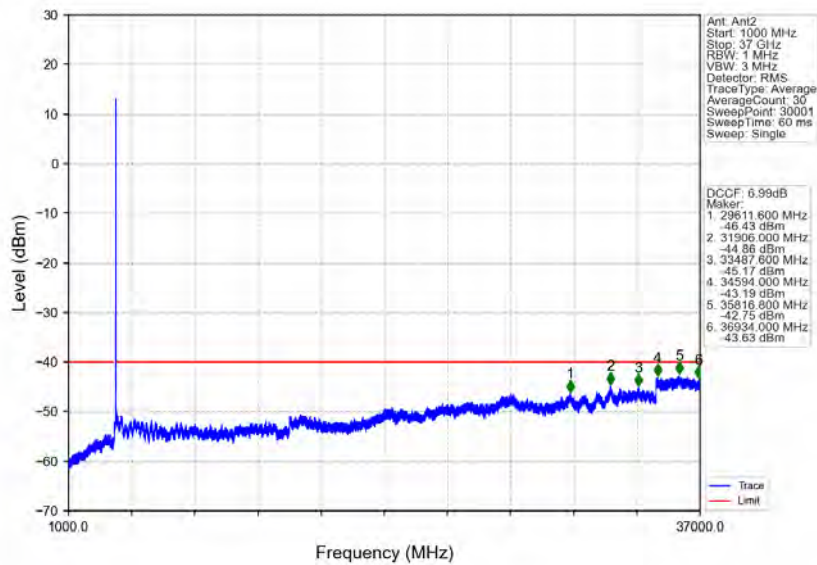
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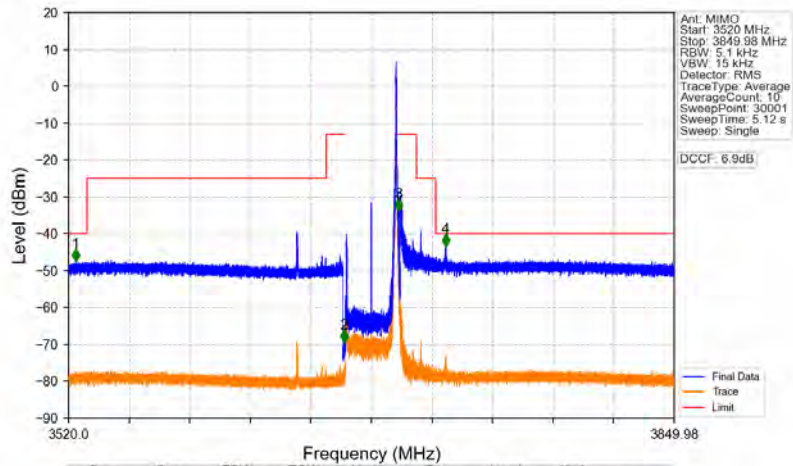
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n78d_30kHz_MIMO_NTNV_30MHz_CP-OFDM_QPSK_3684.99MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3669.422	1	22.92	1	3523.850	-47.57	-40	Pass
3669.422	3670.422	0.0051	0	2	3670.174	-69.50	-13	Pass
3670.422	3699.558	0.0051	0	3	3699.795	-34.02	-13	Pass
3699.558	3700.558	0.0051	0	3	3699.795	-34.02	-13	Pass
3700.558	3849.98	1	22.92	4	3725.578	-43.50	-40	Pass



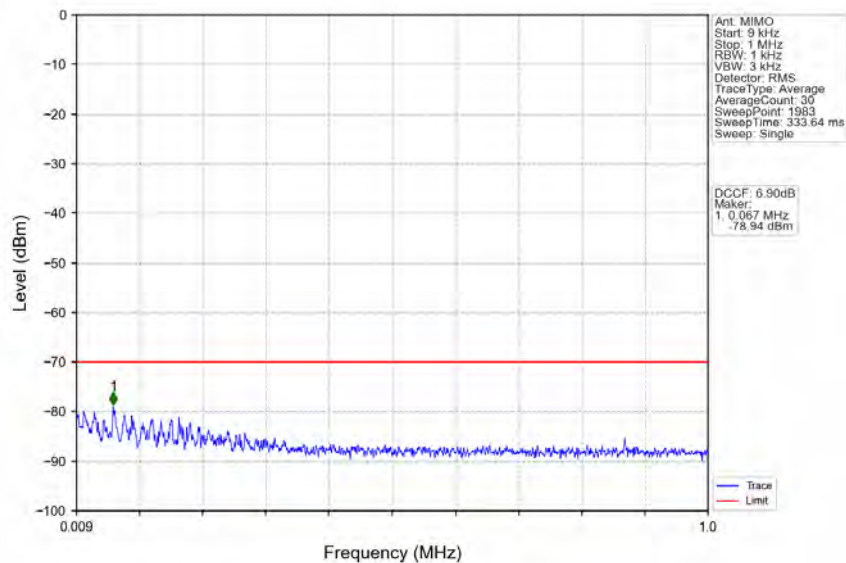
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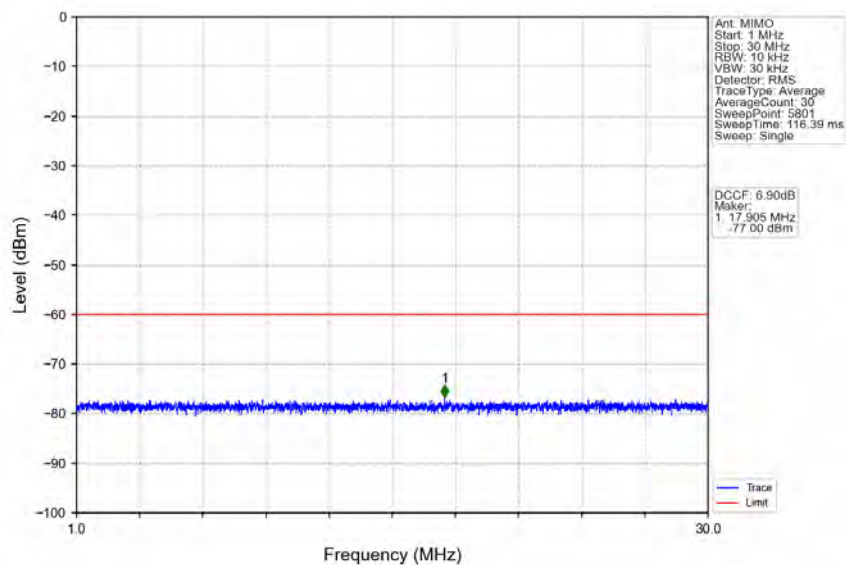
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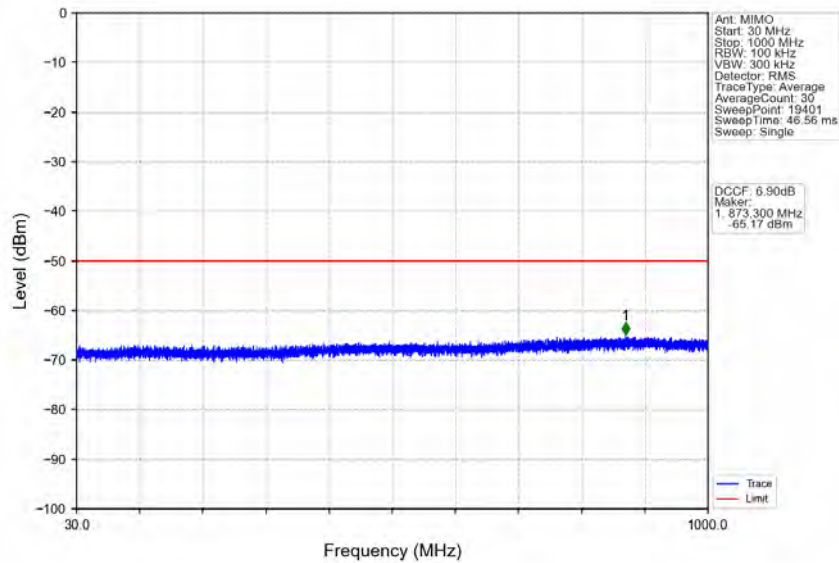
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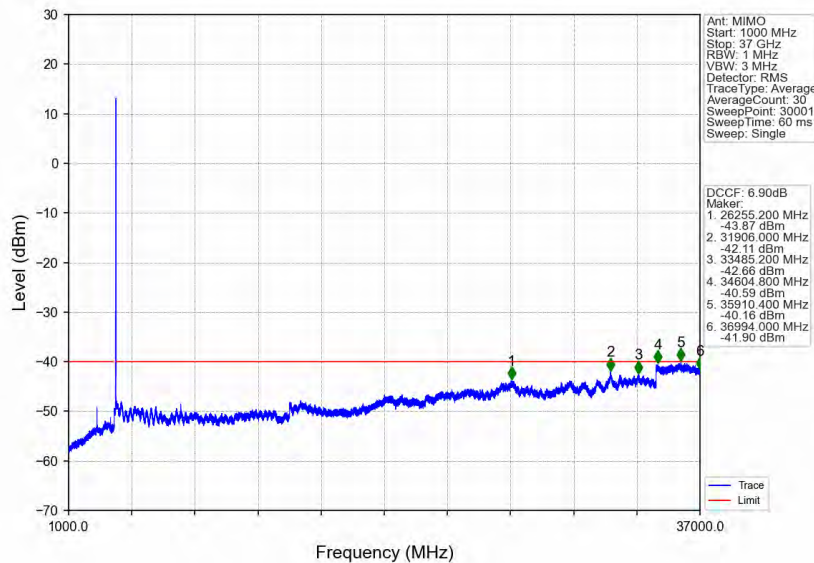
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6.5 30k_MIMO_40MHz_NTNV

6.5.1 Test Result

5G NR n78d SCS=30kHz MIMO 40MHz NTN							
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			



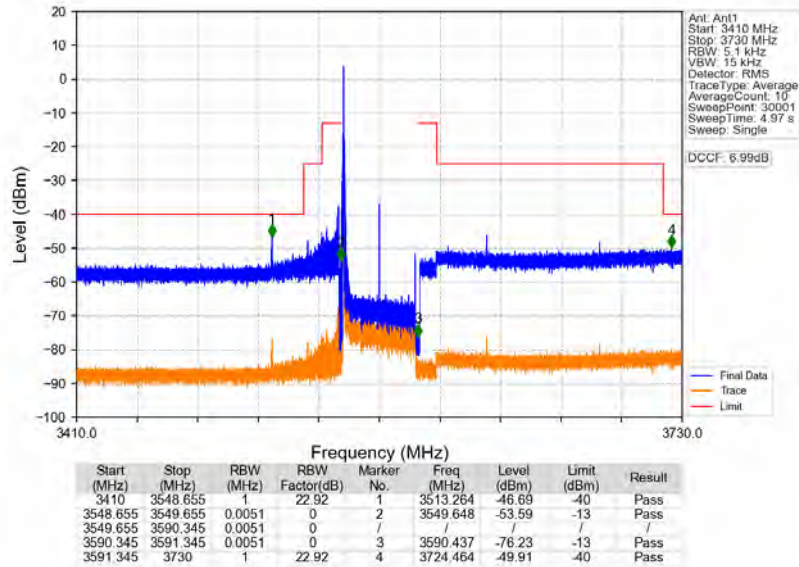
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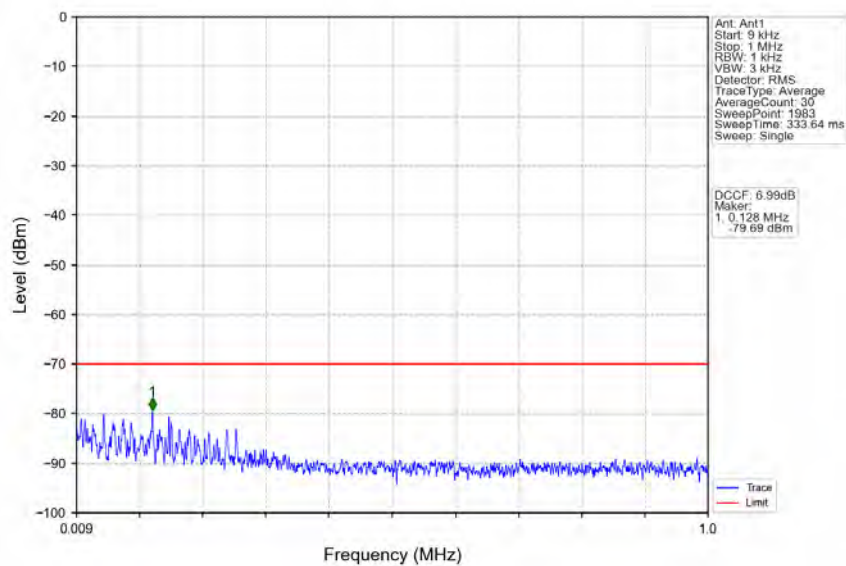
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6.5.2 Test Graph

n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM_QPSK_3570MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM_QPSK_3570MHz_Edge_1RB_Left

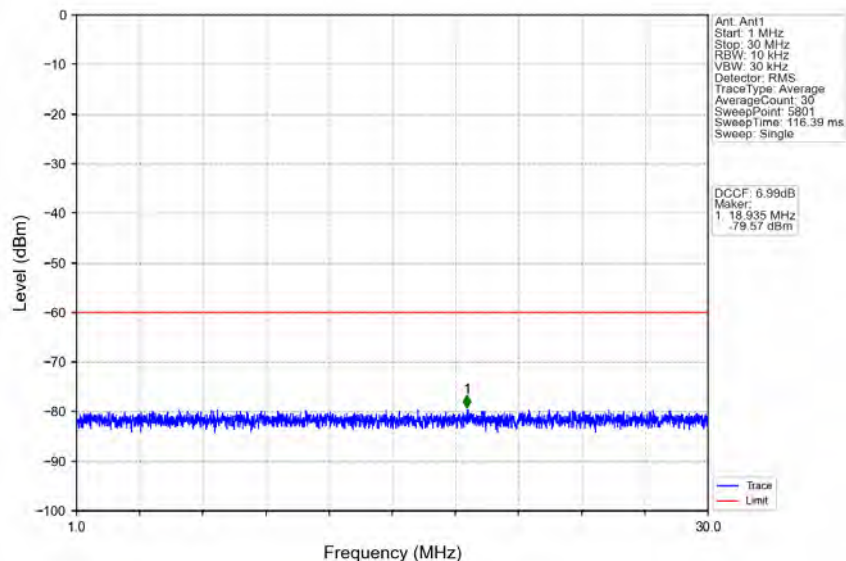


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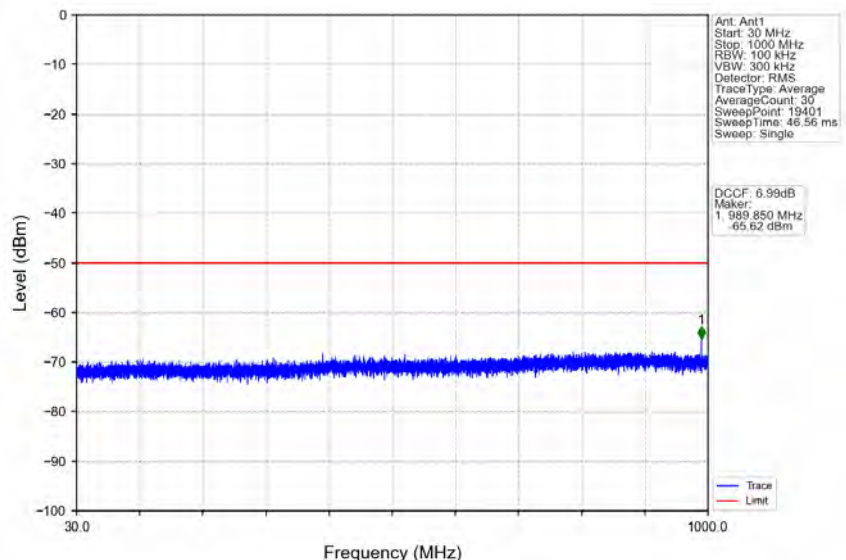
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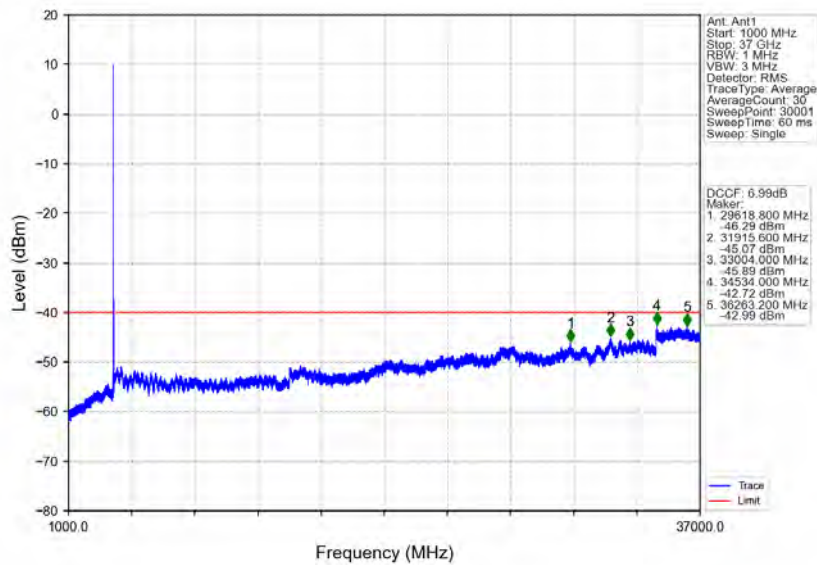
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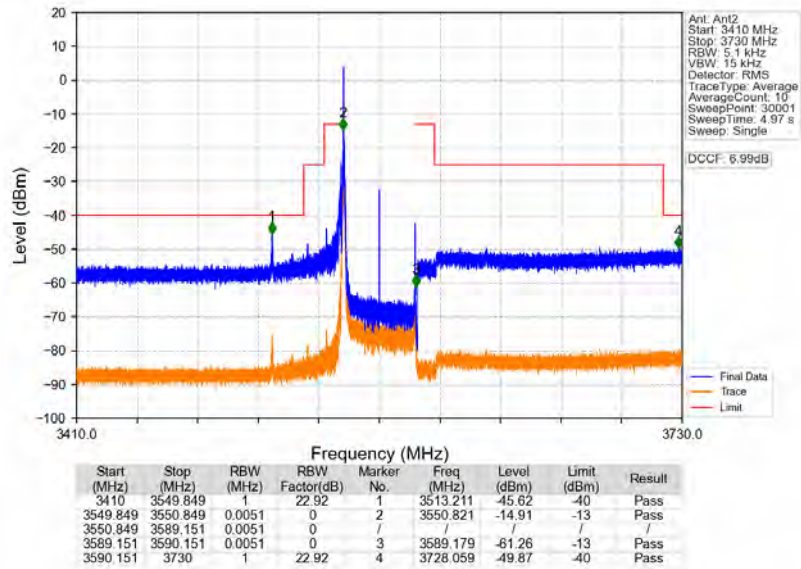
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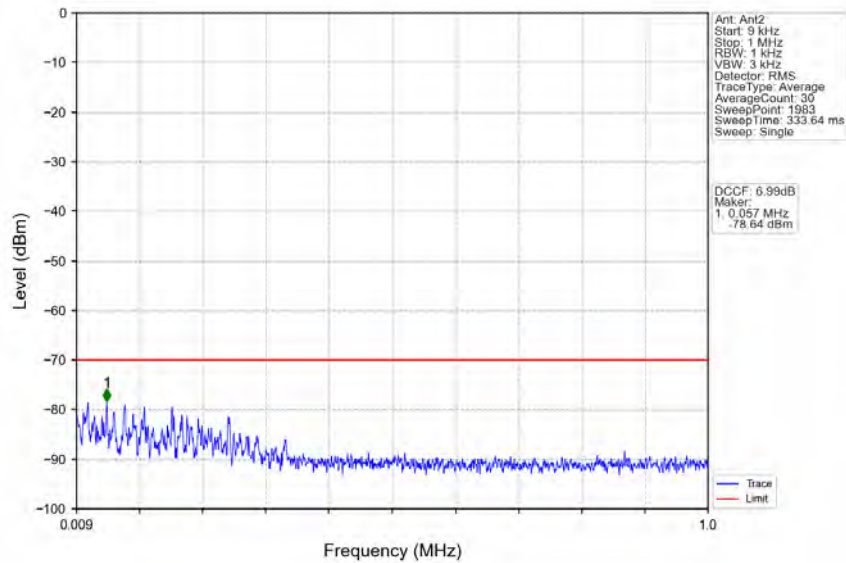
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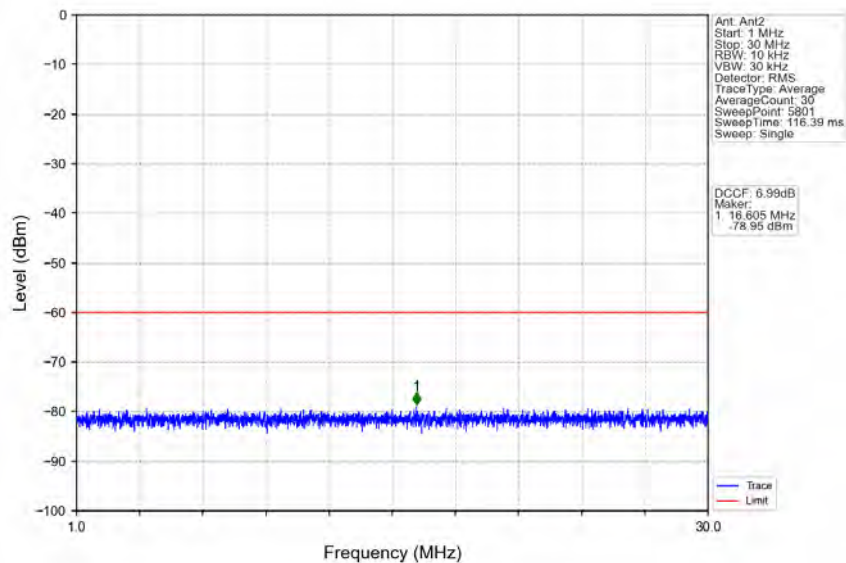
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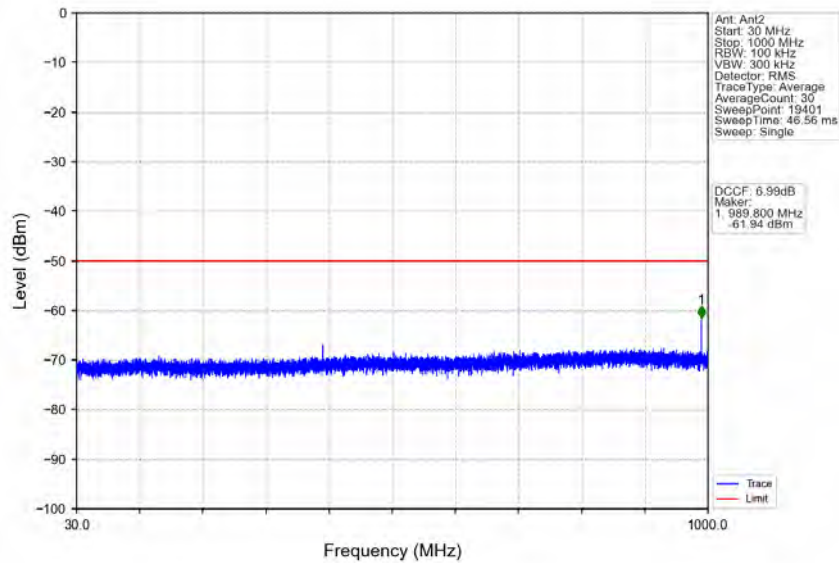
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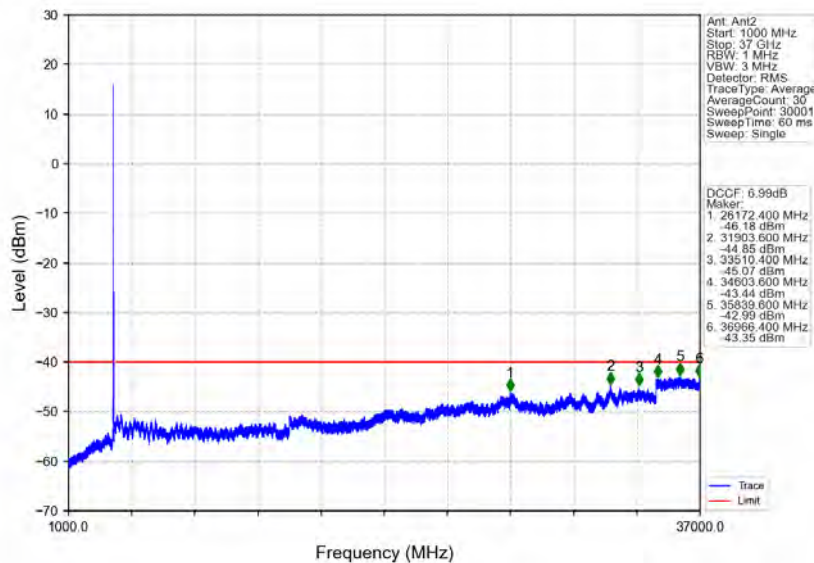
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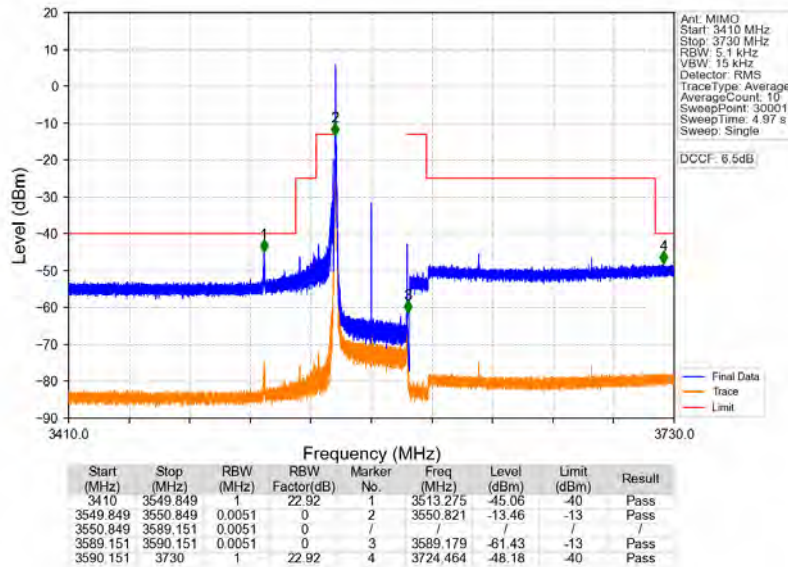
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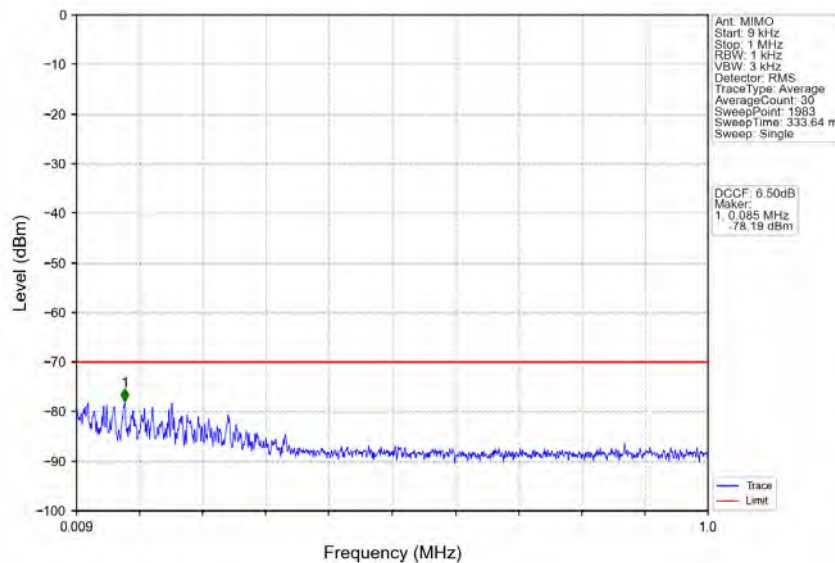
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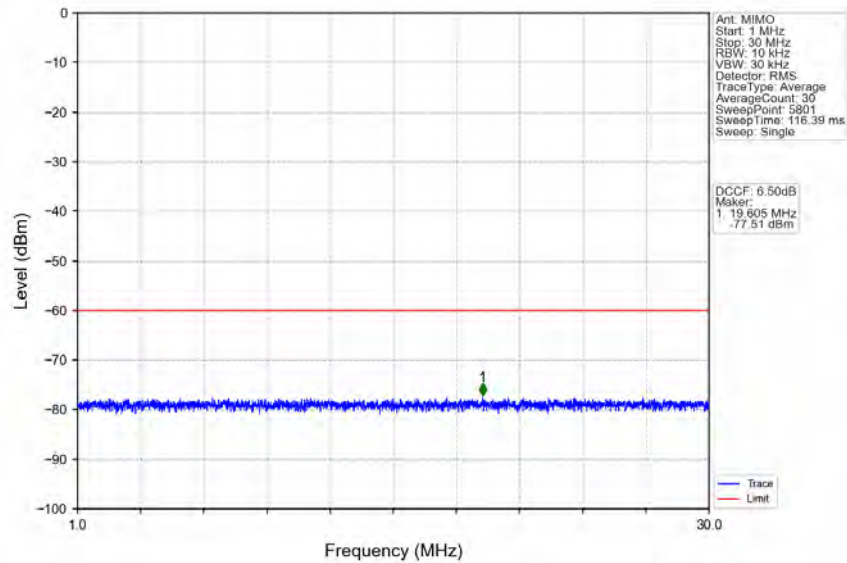
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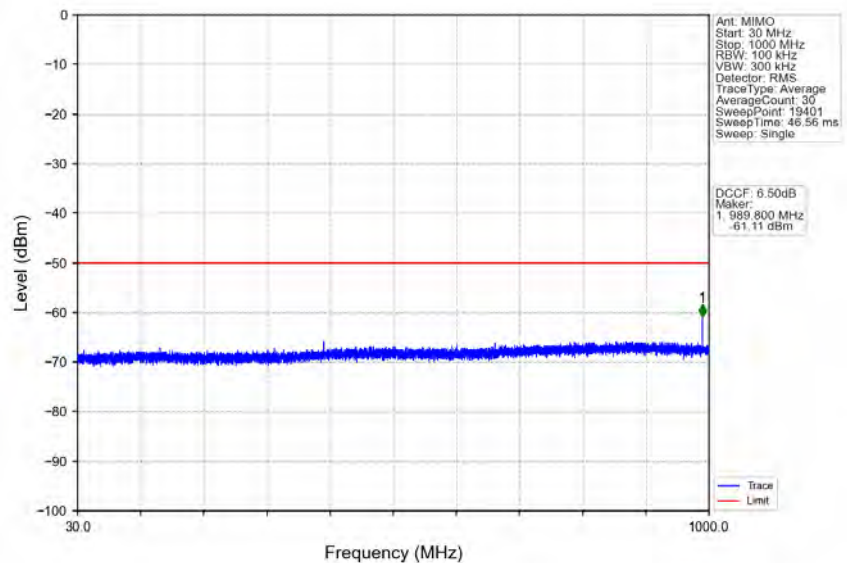
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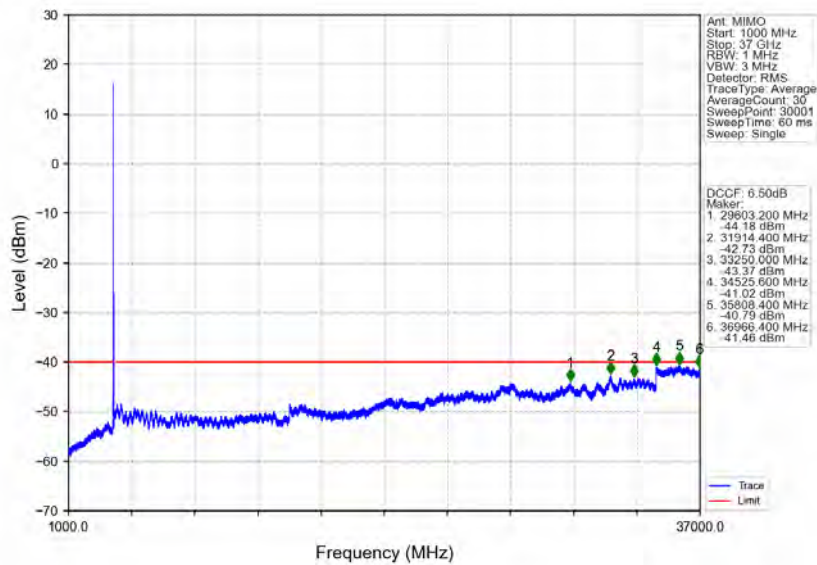
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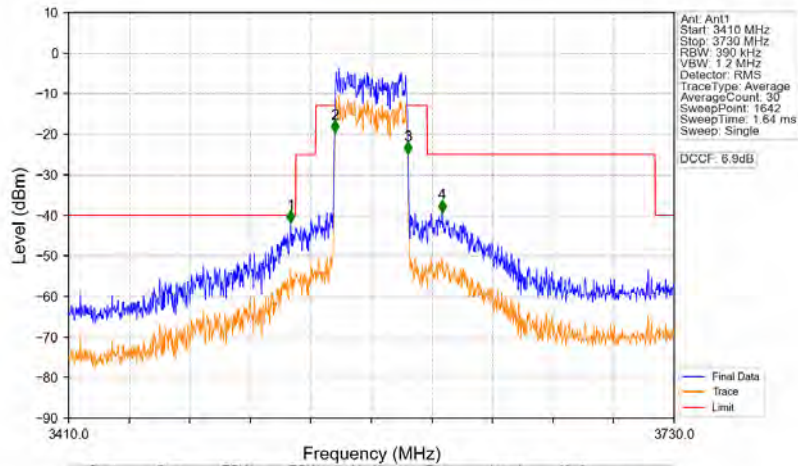
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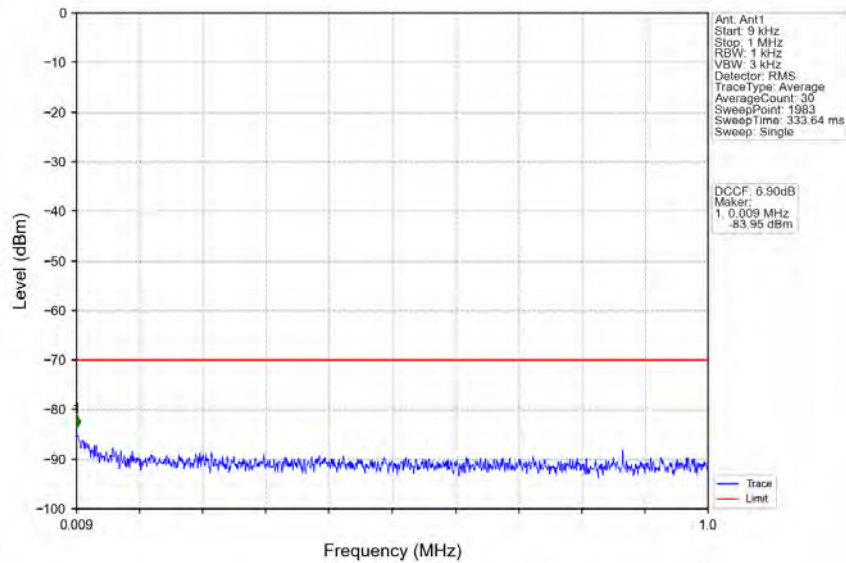
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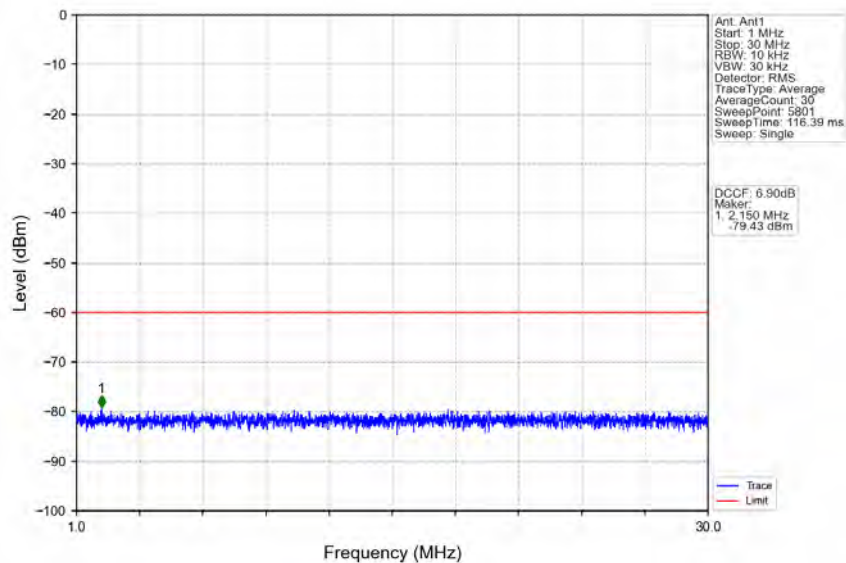
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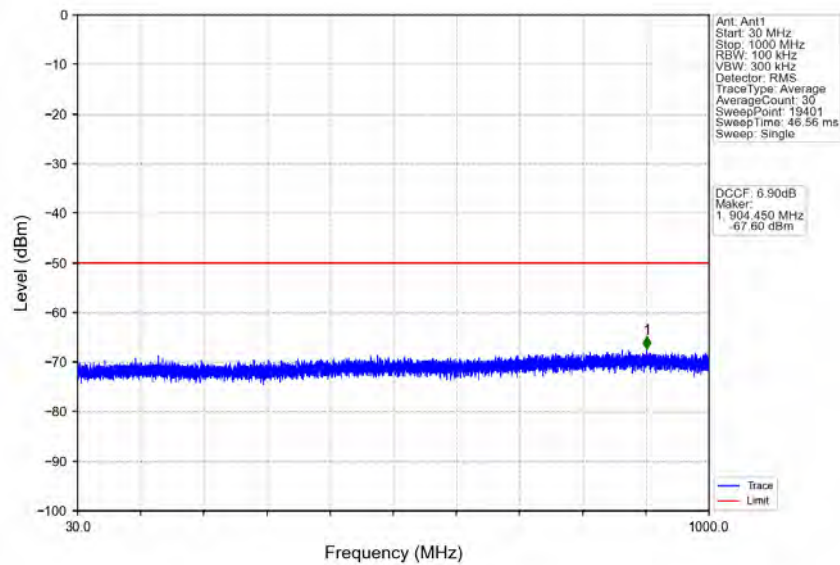
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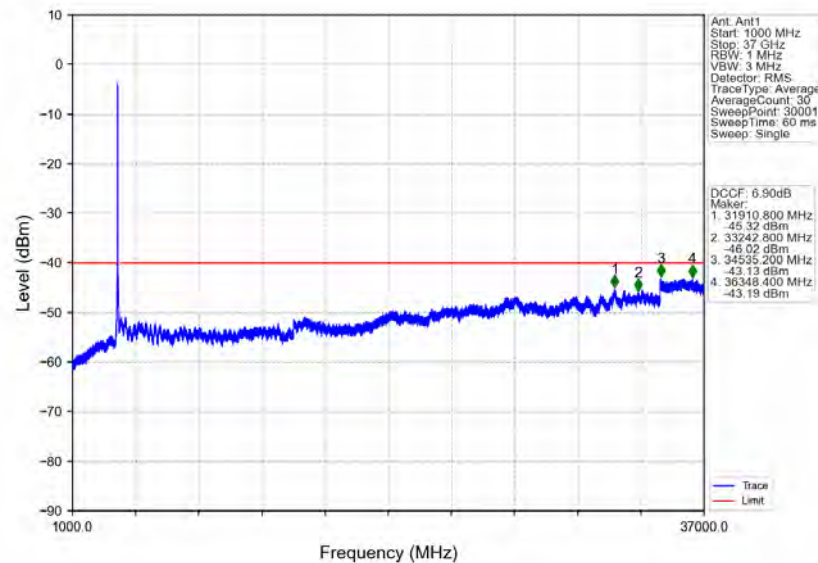
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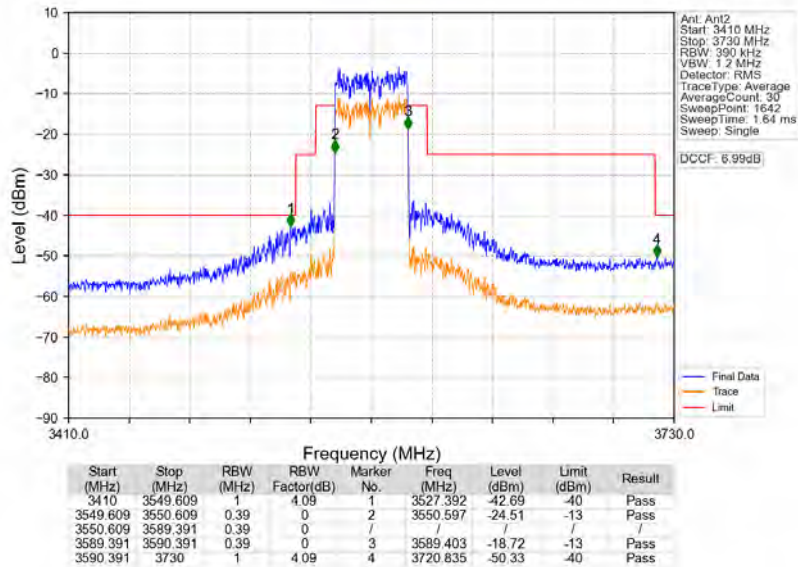
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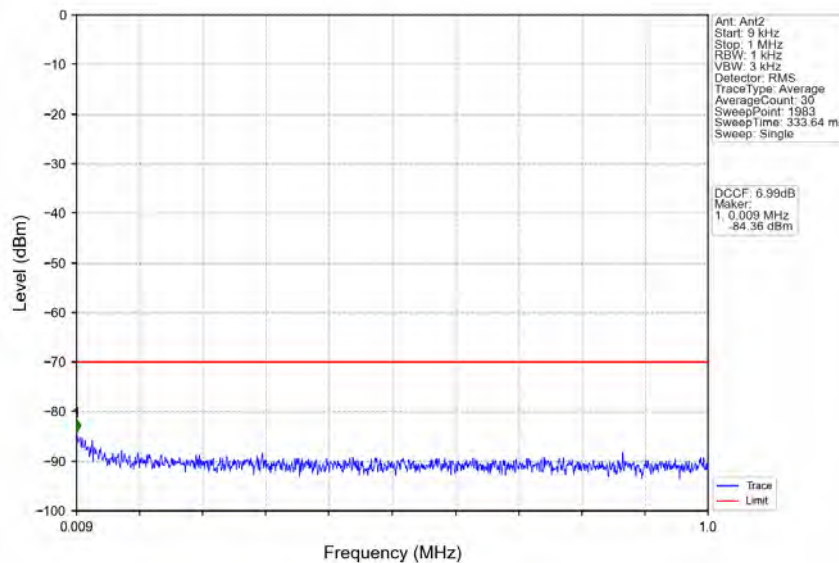
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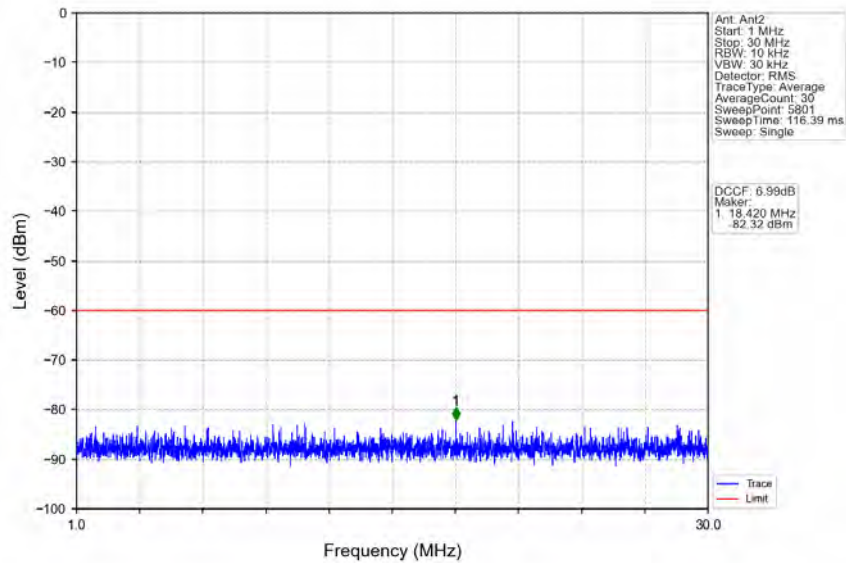
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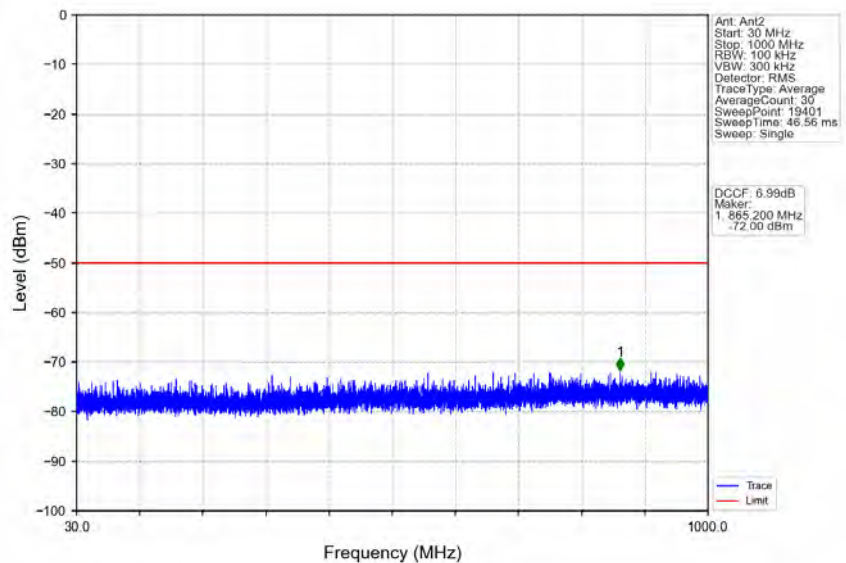


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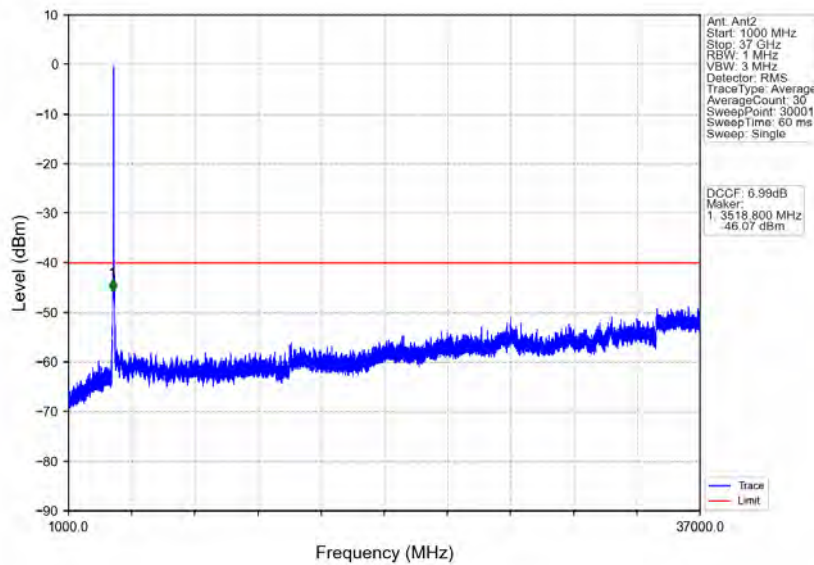
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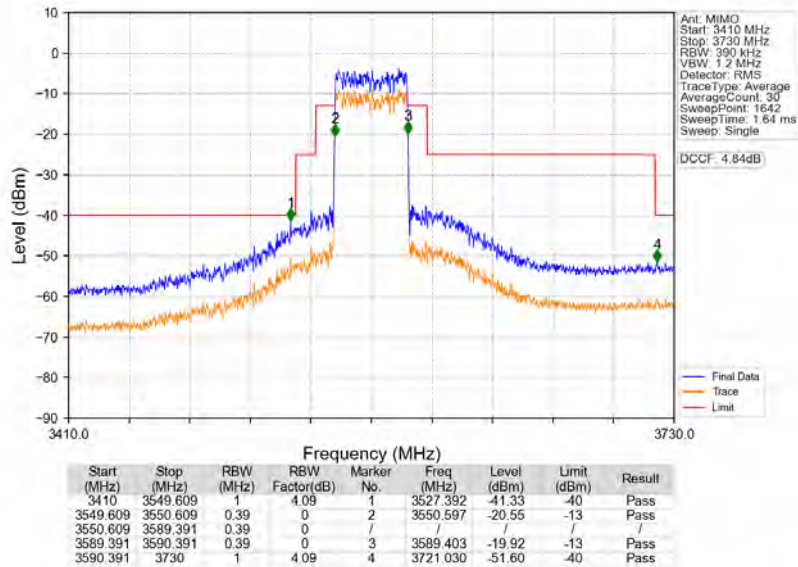
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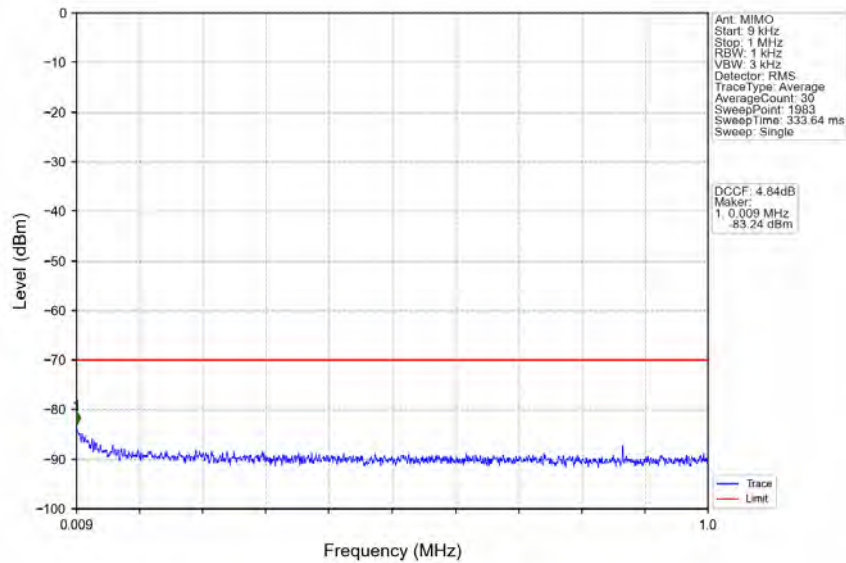
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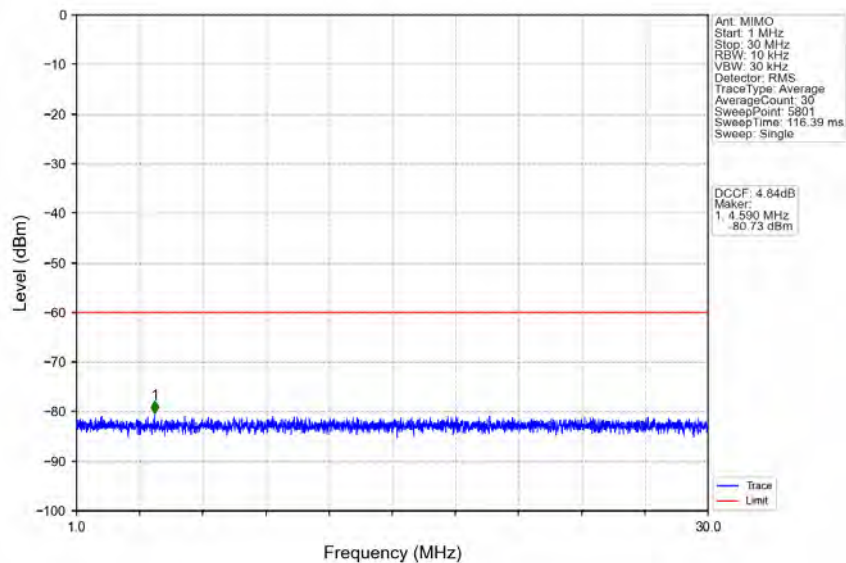
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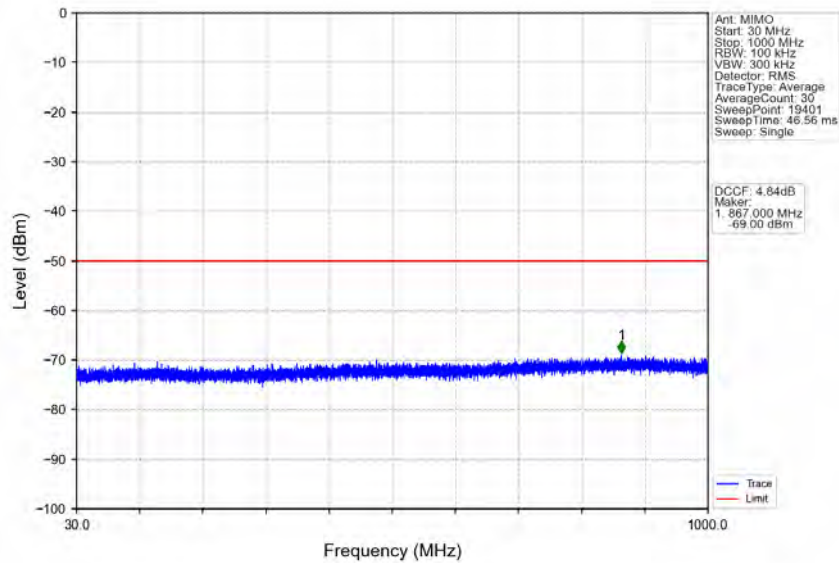
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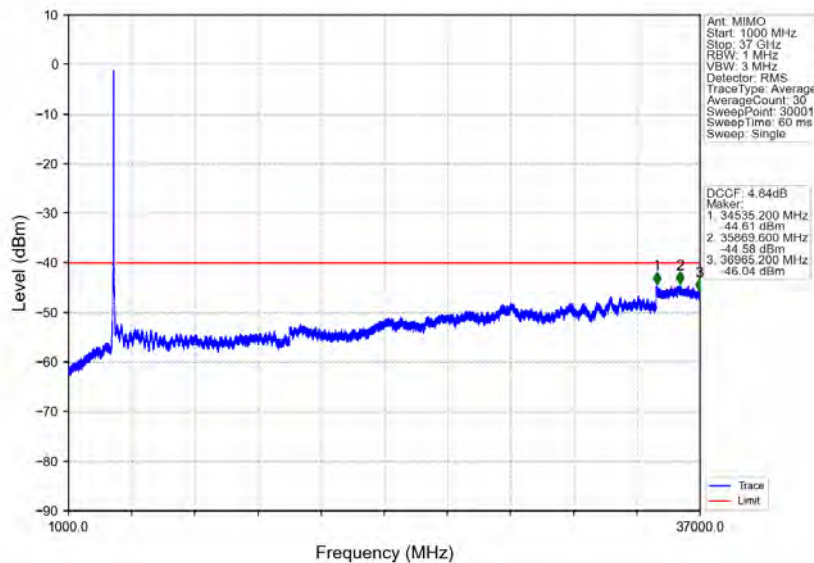
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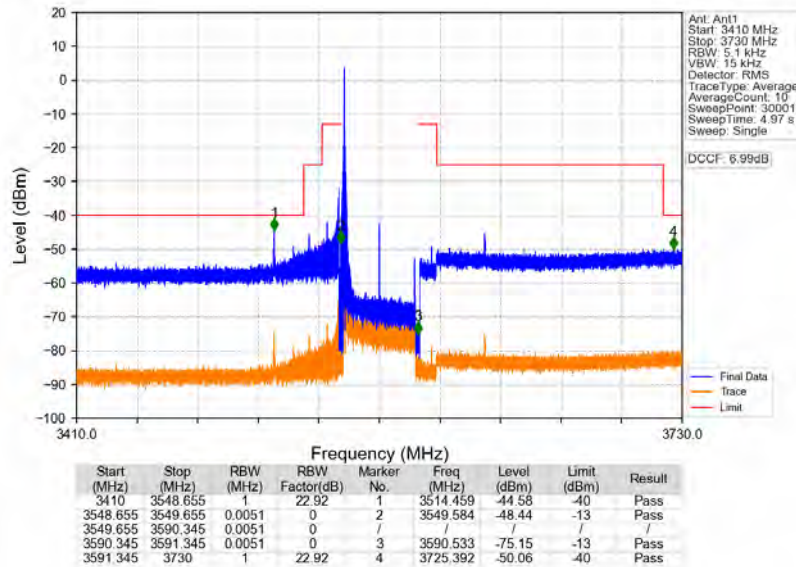
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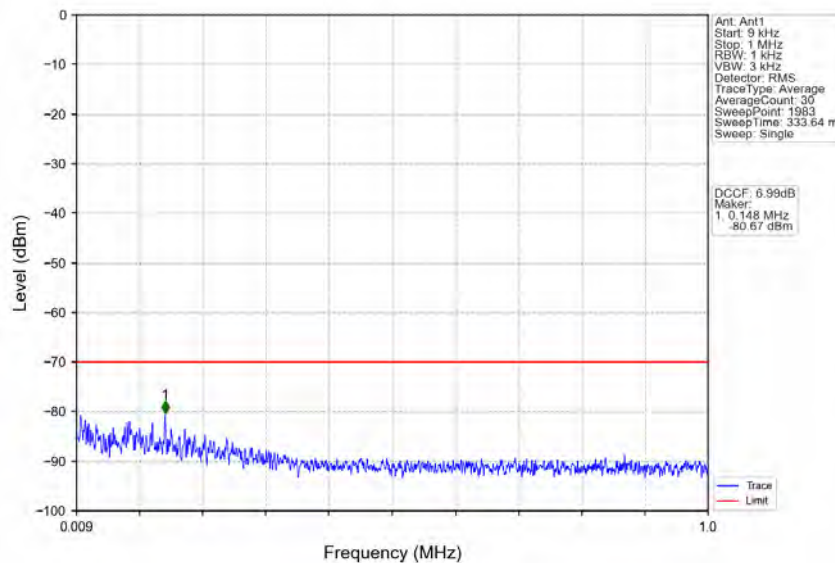
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n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3570MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3570MHz_Inner_1RB_Left



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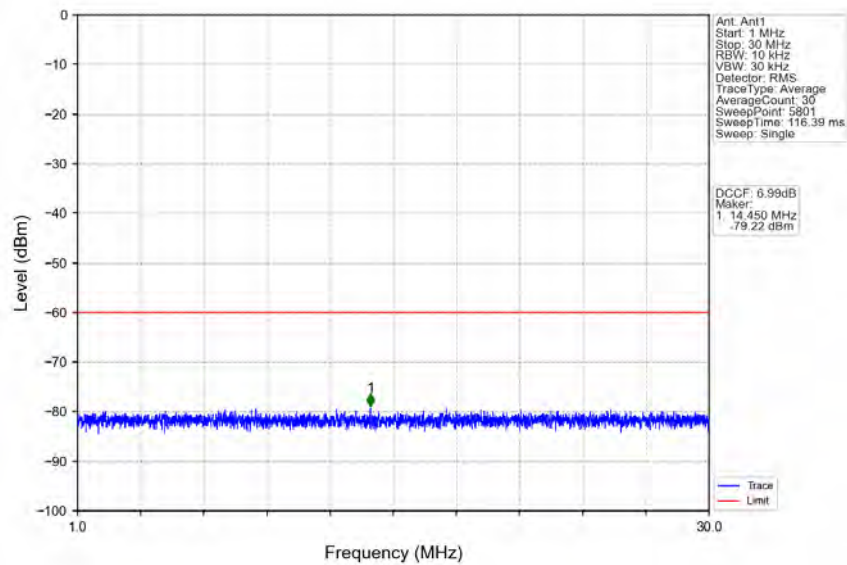
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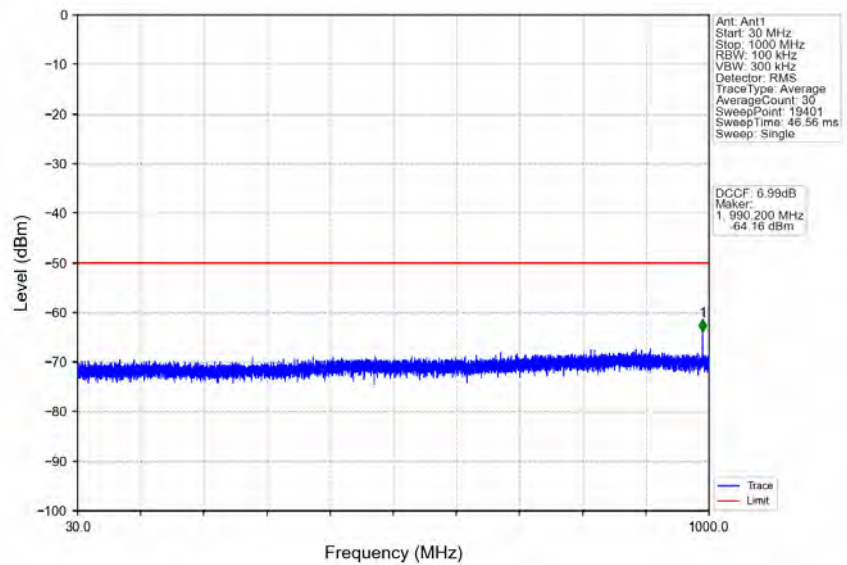


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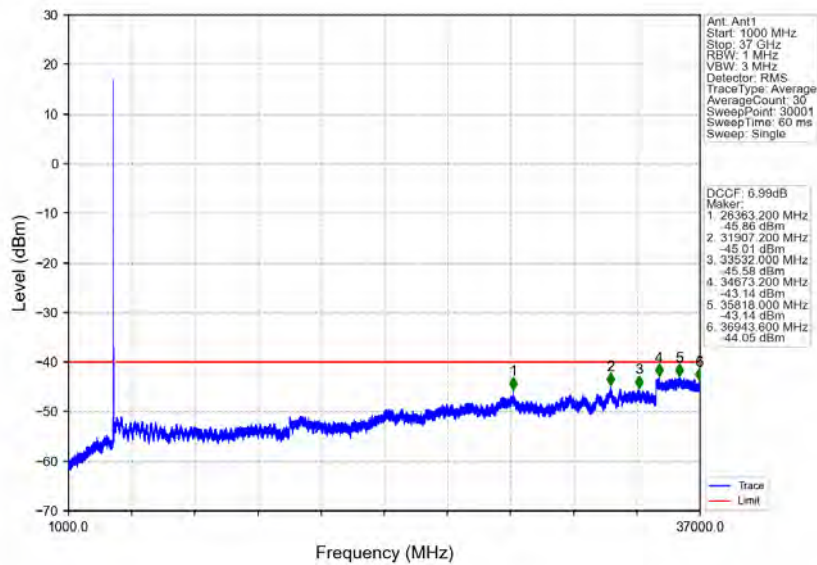
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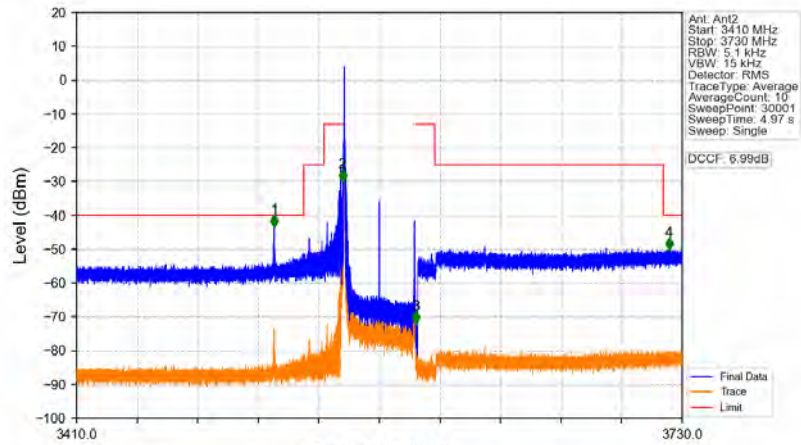
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n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM_QPSK_3570MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3410	3549.734	1	22.92	1	3514.448	-43.54	-40	Pass
3549.734	3550.734	0.0051	0	2	3550.576	-30.08	-13	Pass
3550.734	3589.266	0.0051	0	/	/	/	/	/
3589.266	3590.266	0.0051	0	3	3589.424	-72.00	-13	Pass
3590.266	3730	1	22.92	4	3723.003	-50.28	-40	Pass

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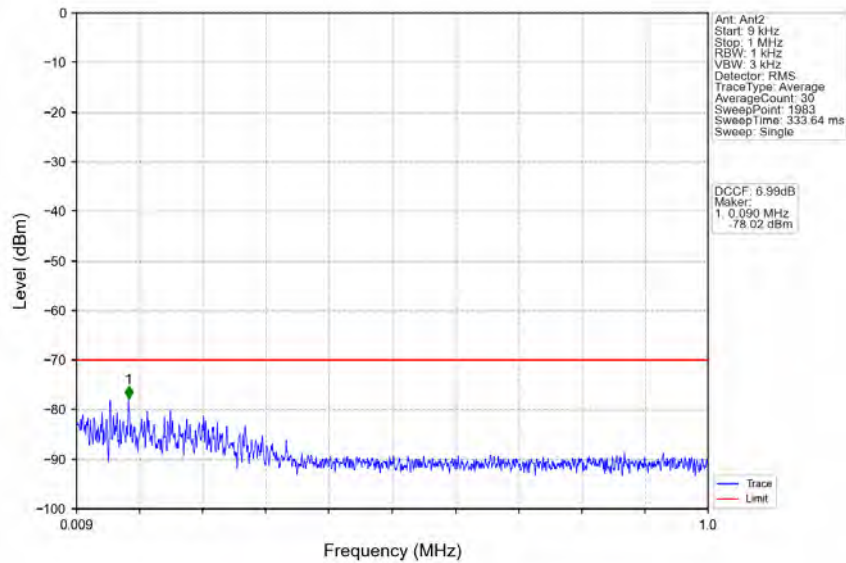
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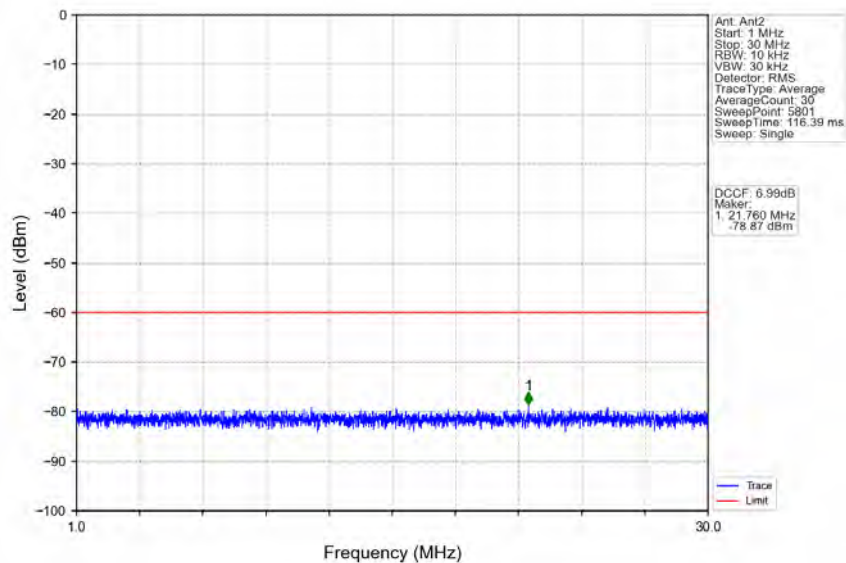
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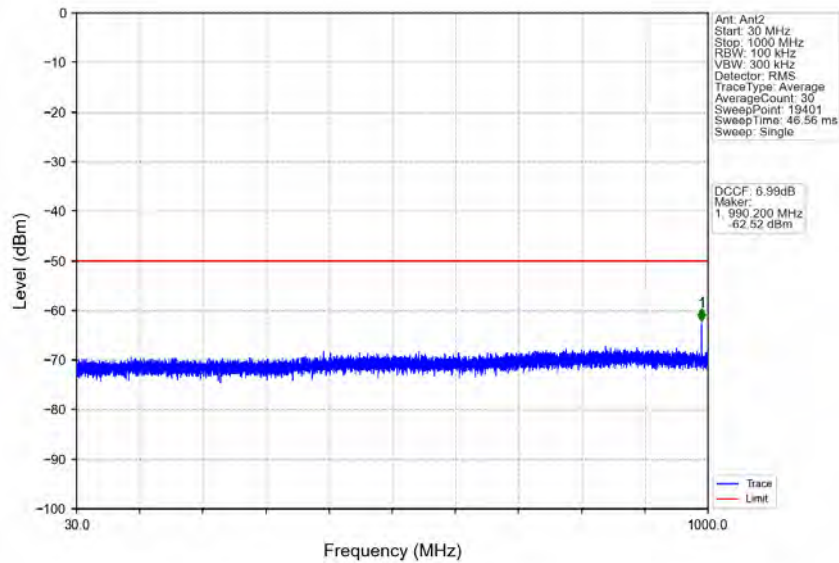
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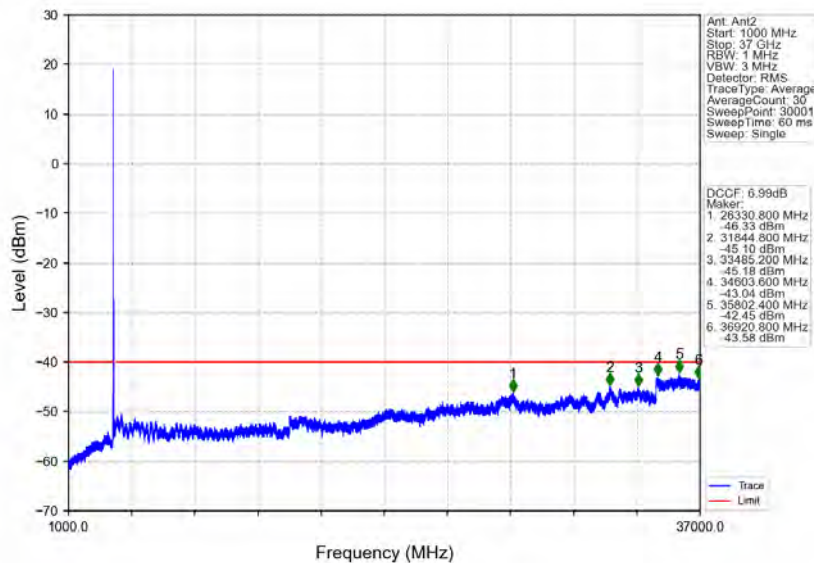
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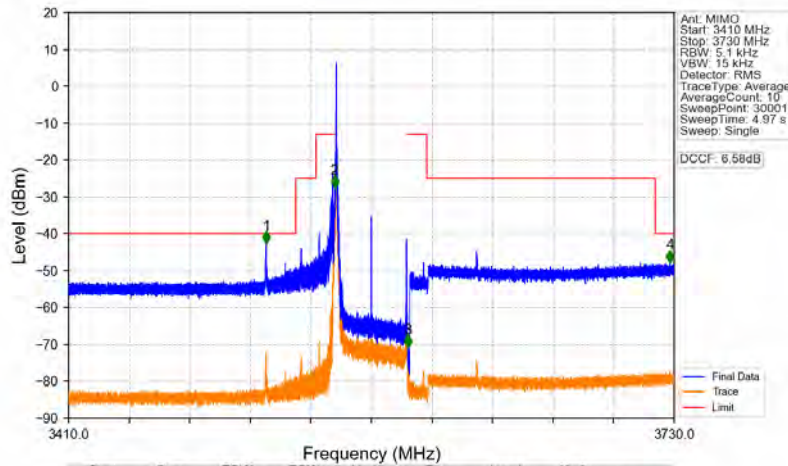
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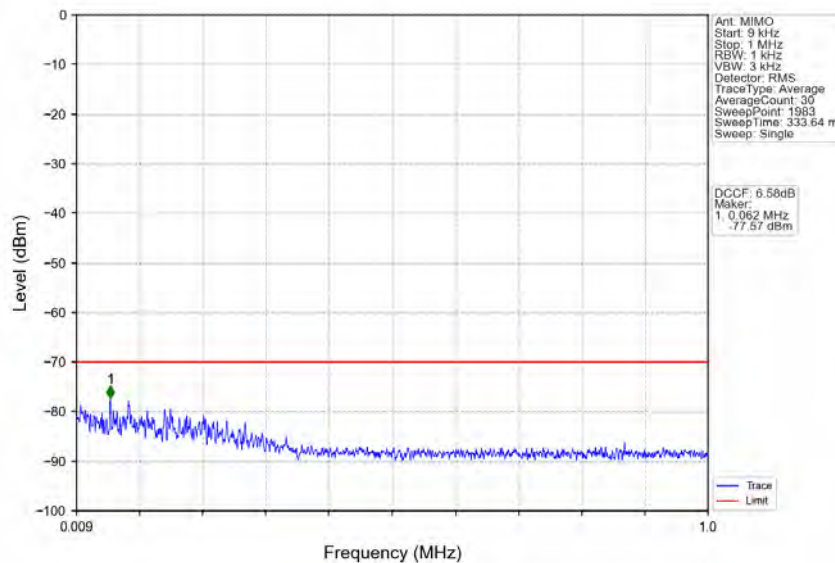
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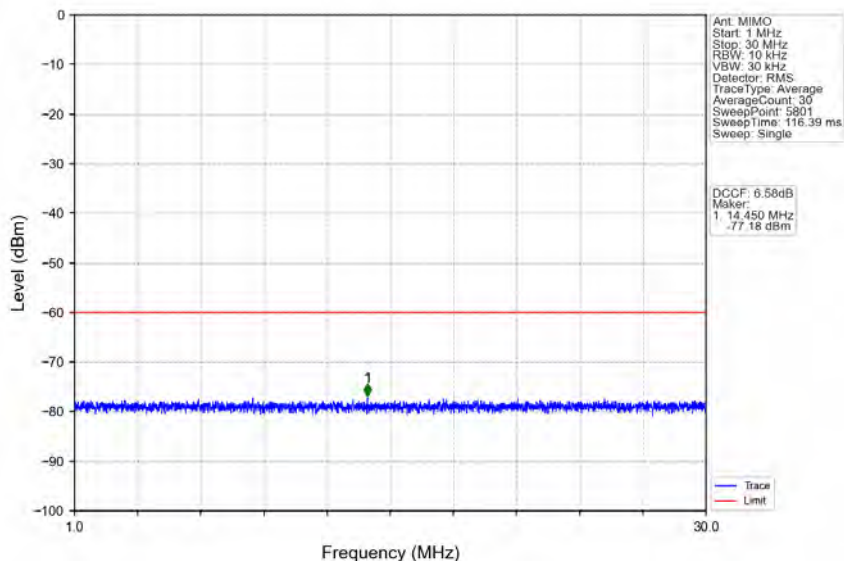
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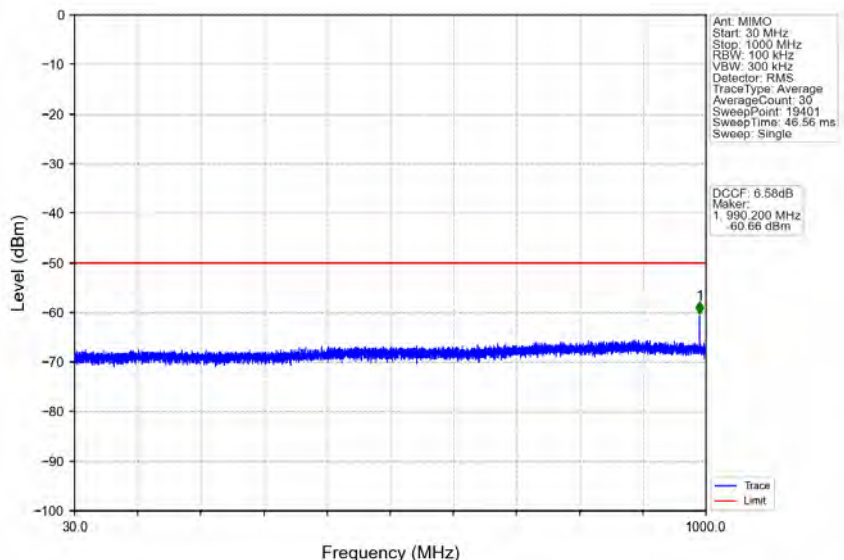
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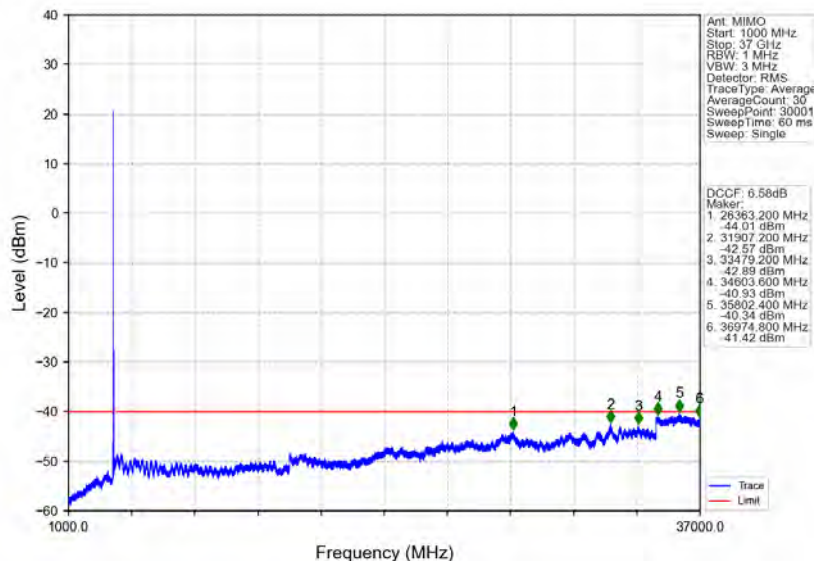
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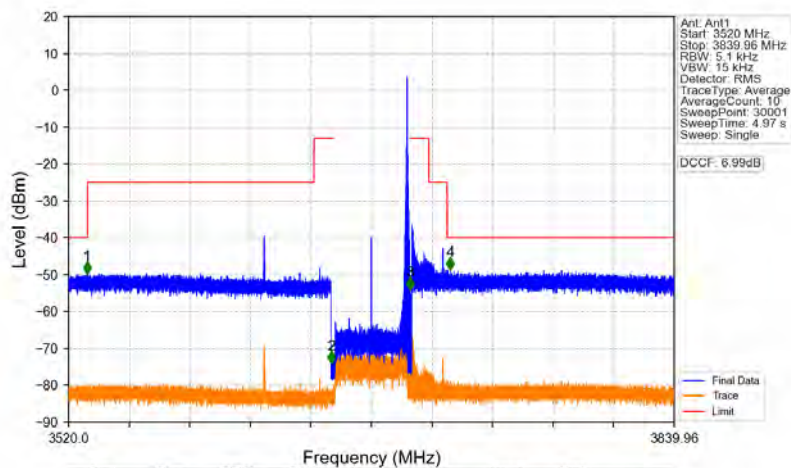
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n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3679.98MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3658.633	1	22.92	1	3529.759	-49.89	-40	Pass
3658.633	3659.633	0.0051	0	2	3658.916	-74.08	-13	Pass
3659.633	3700.328	0.0051	0	3	3700.329	-54.14	-13	Pass
3700.328	3701.328	0.0051	0	3	3700.329	-54.14	-13	Pass
3701.328	3839.96	1	22.92	4	3721.745	-48.72	-40	Pass



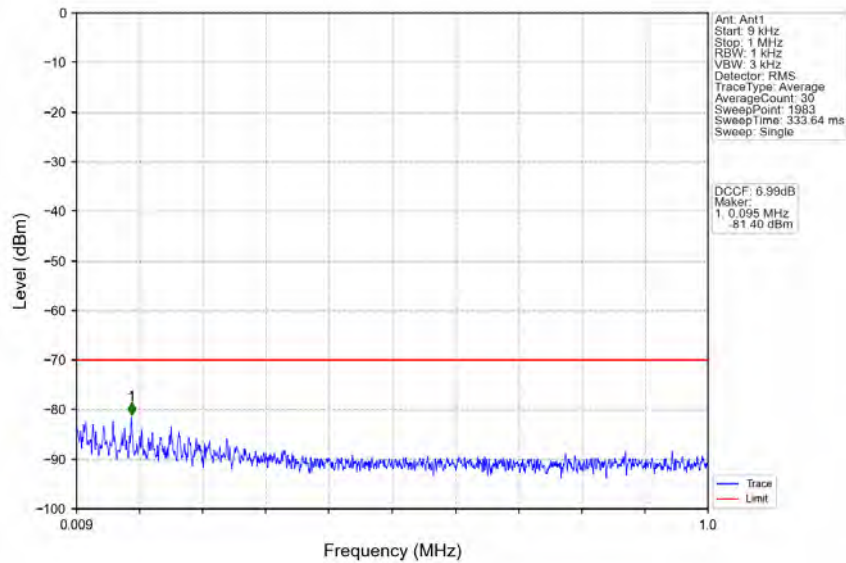
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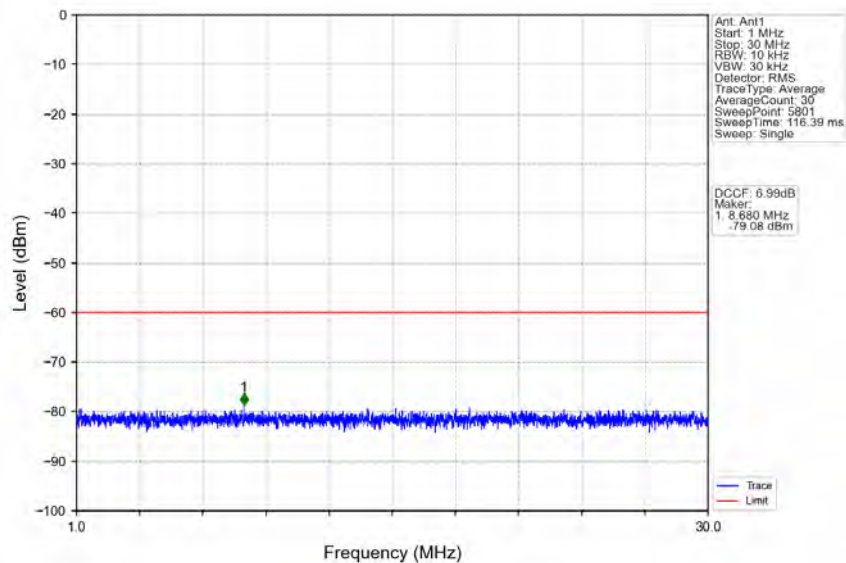
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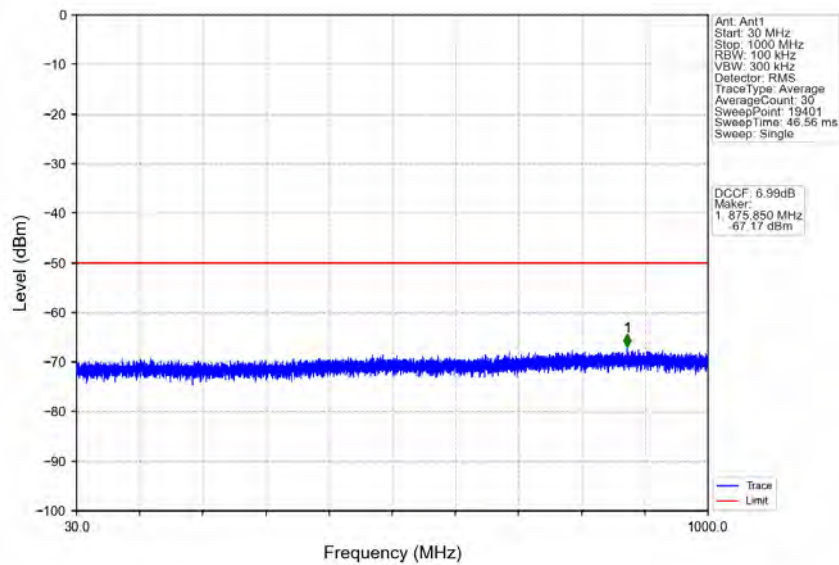
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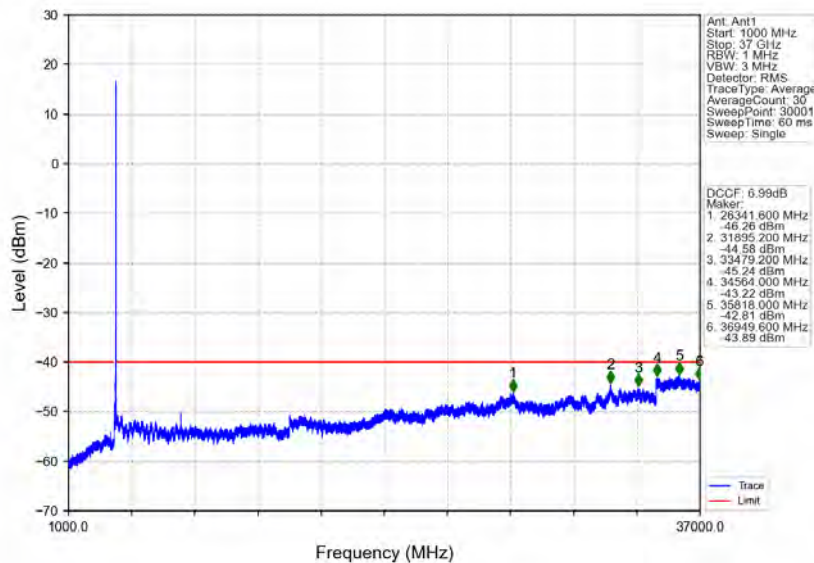
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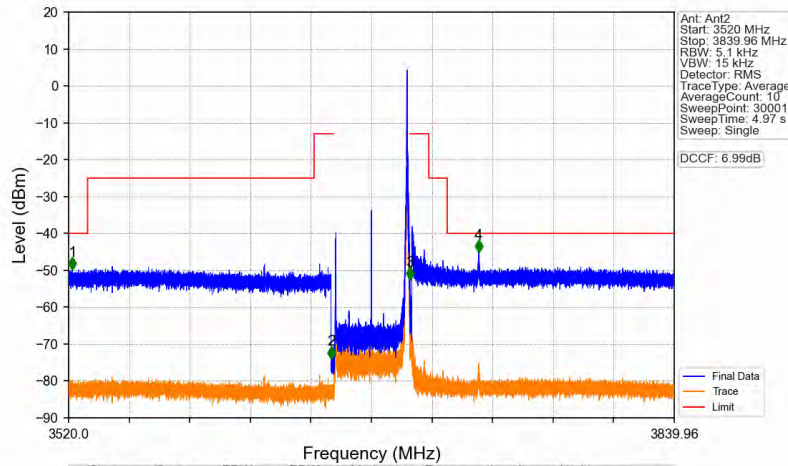
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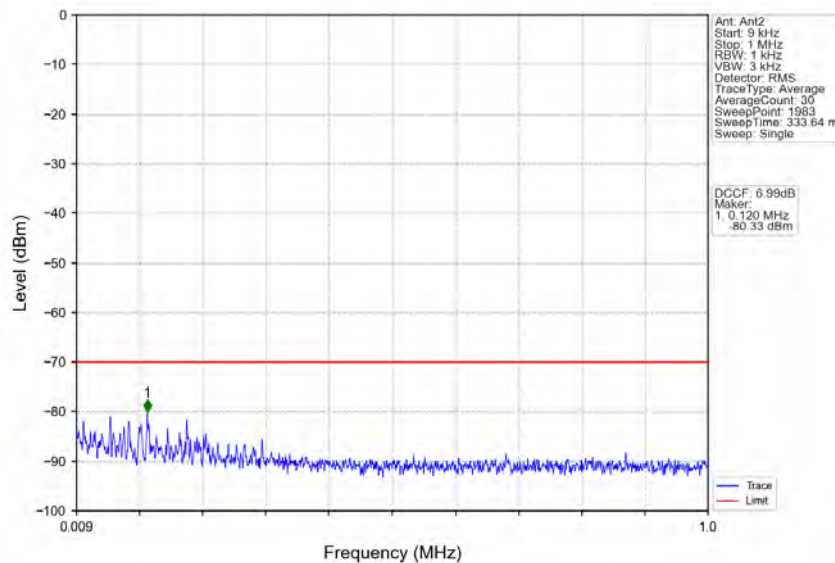
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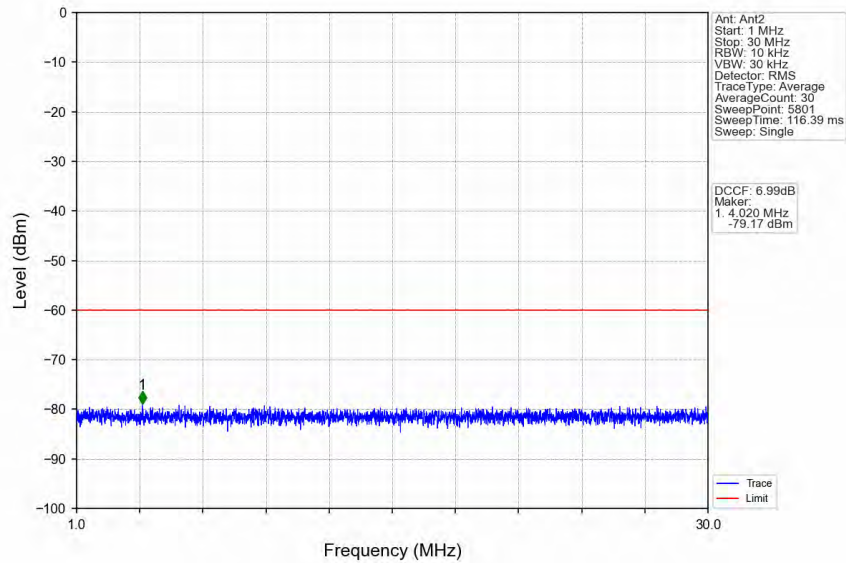
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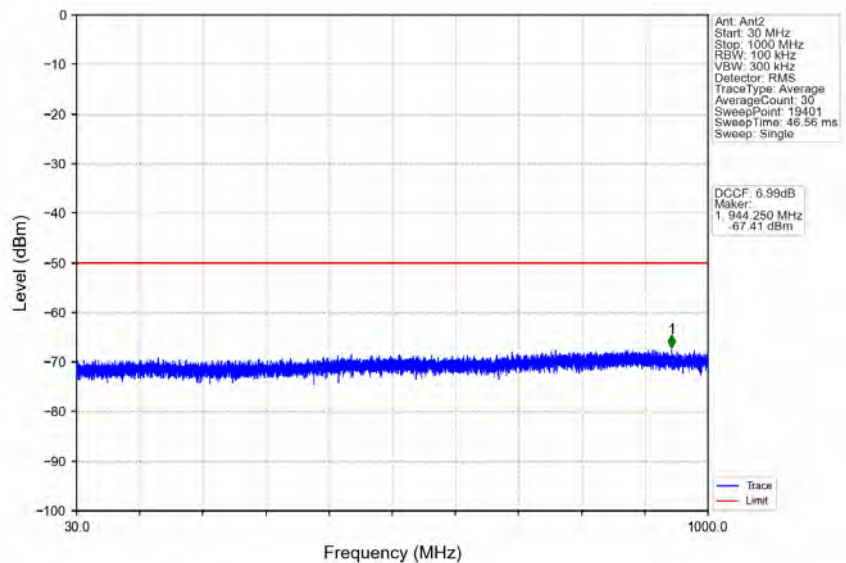
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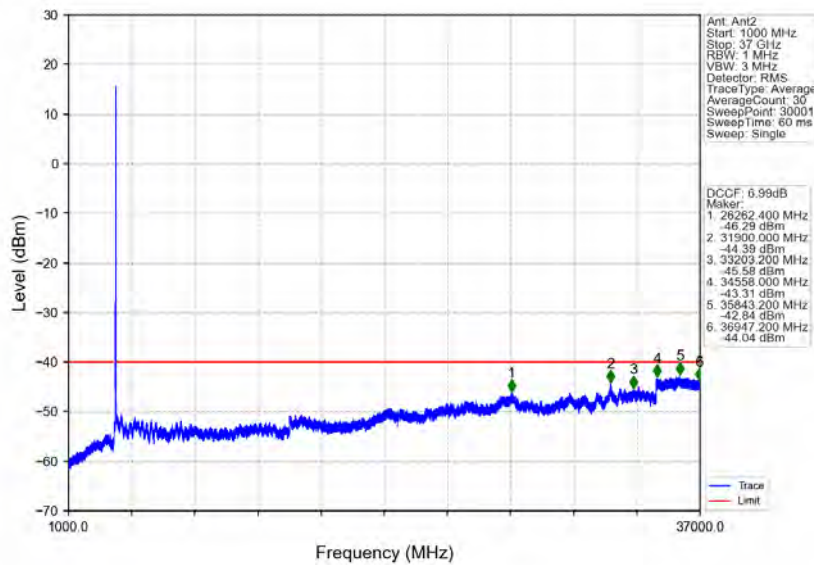
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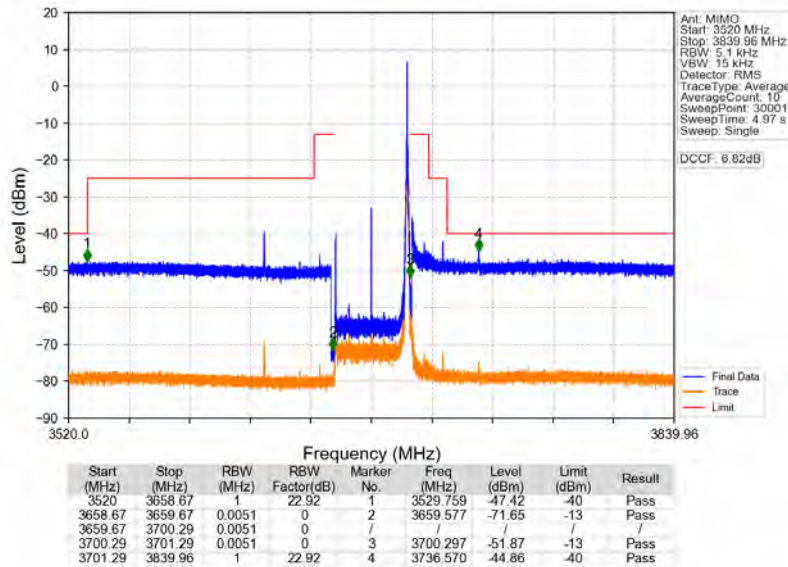
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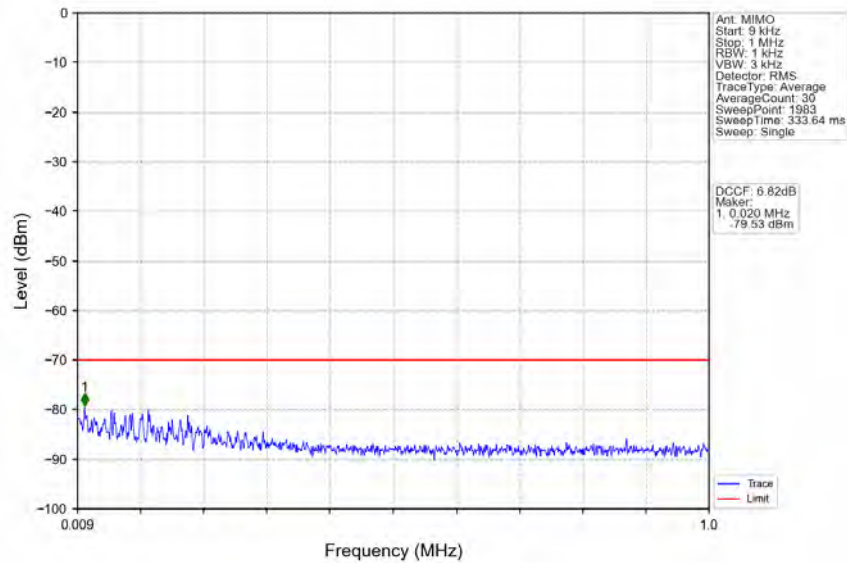
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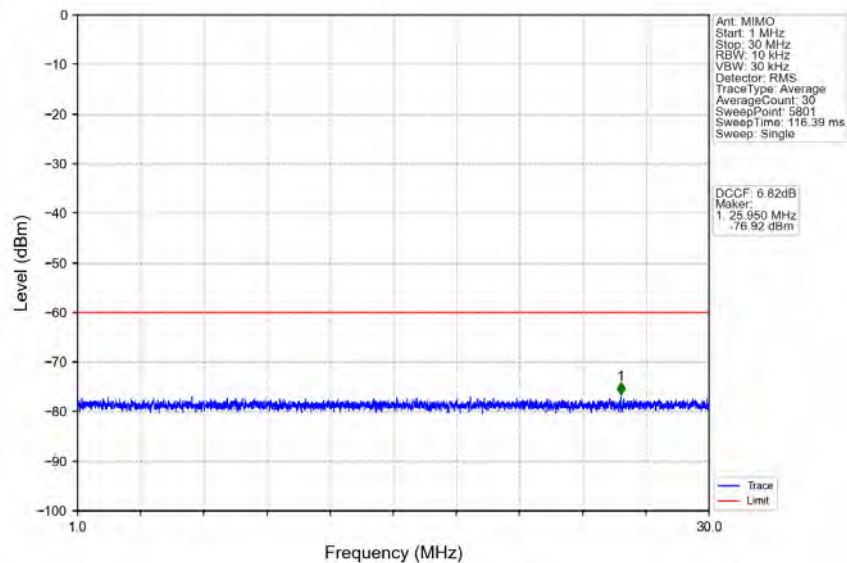
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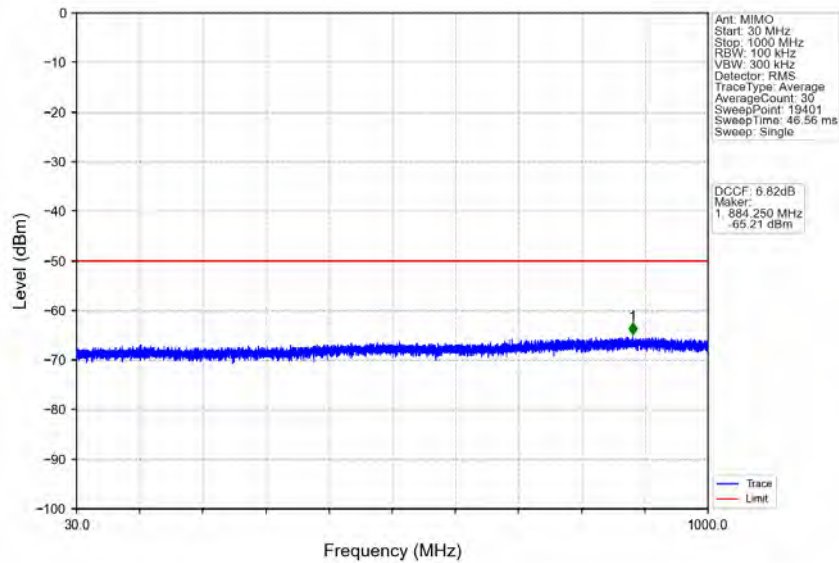
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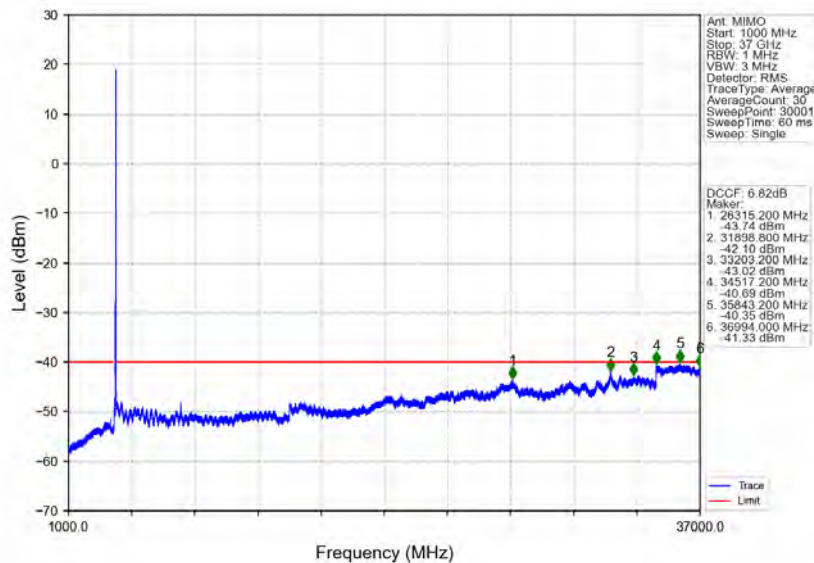
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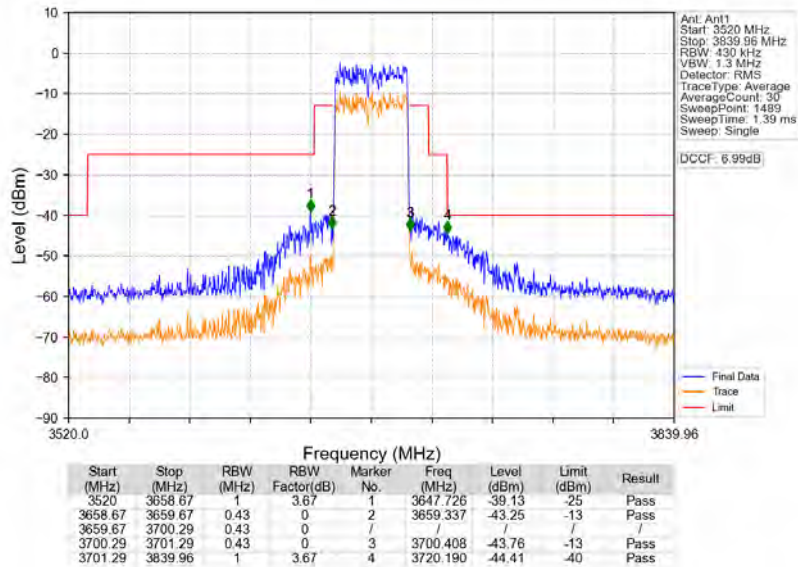
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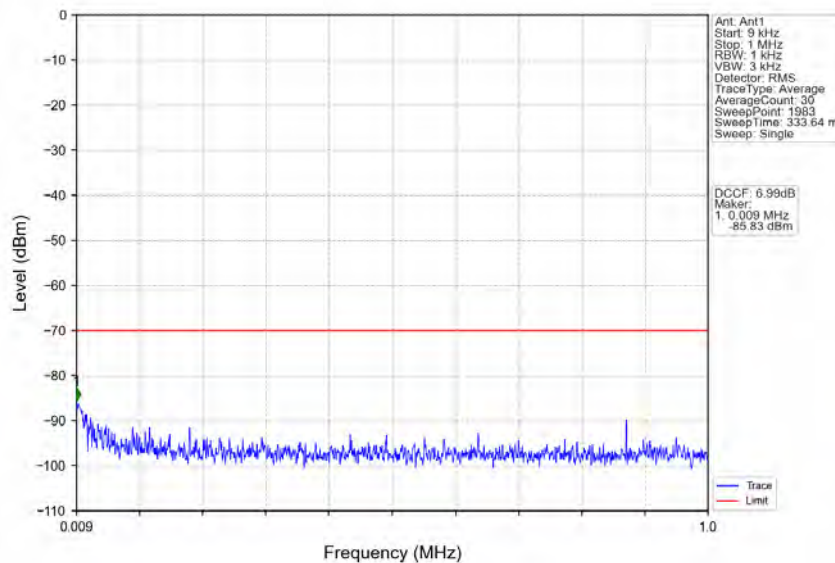
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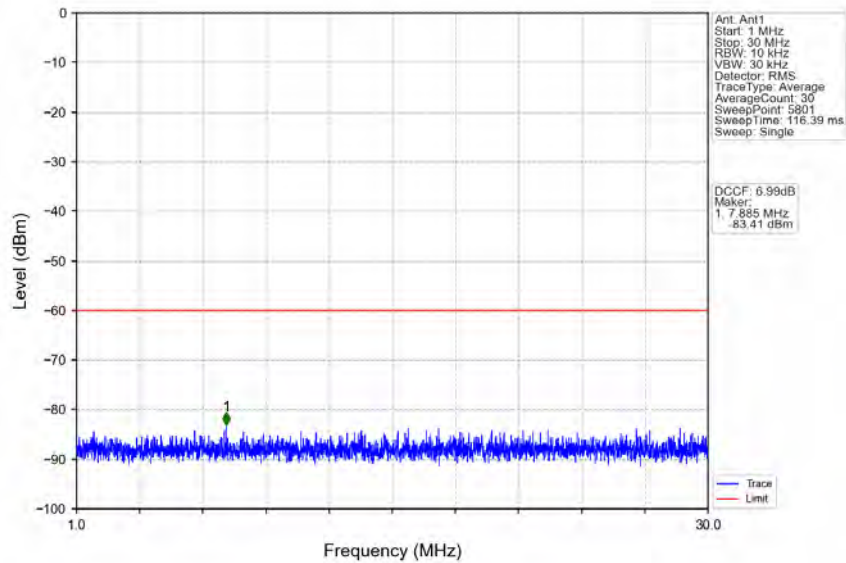
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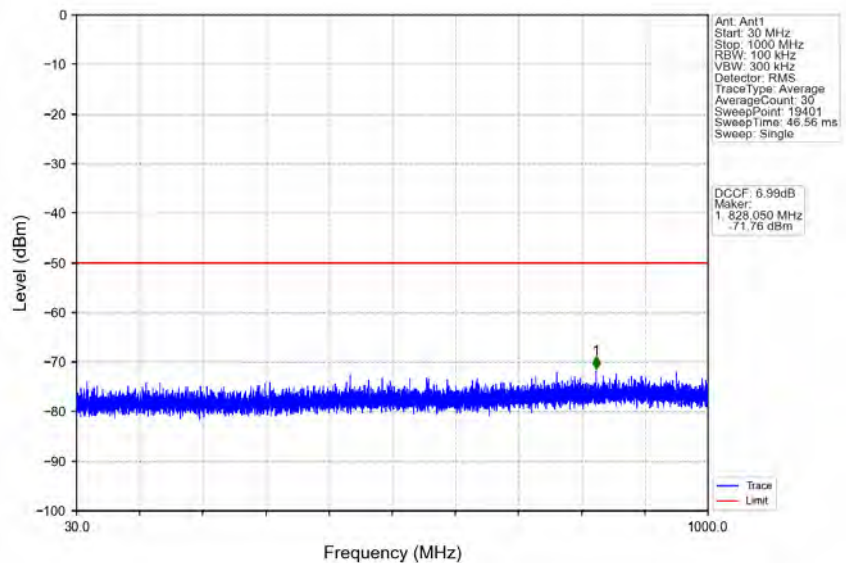


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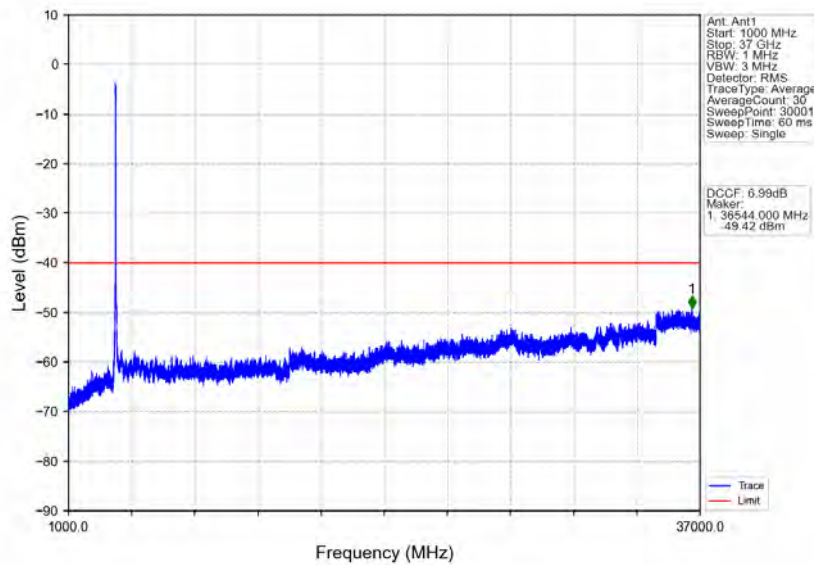
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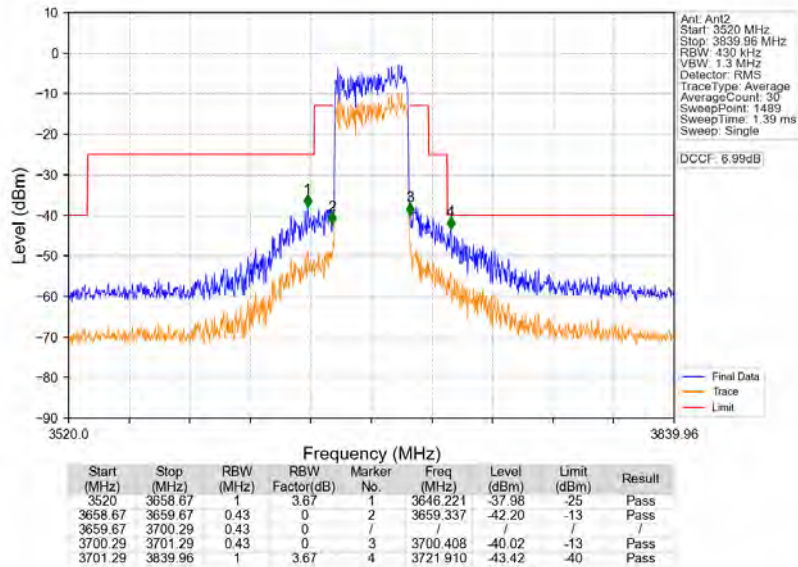
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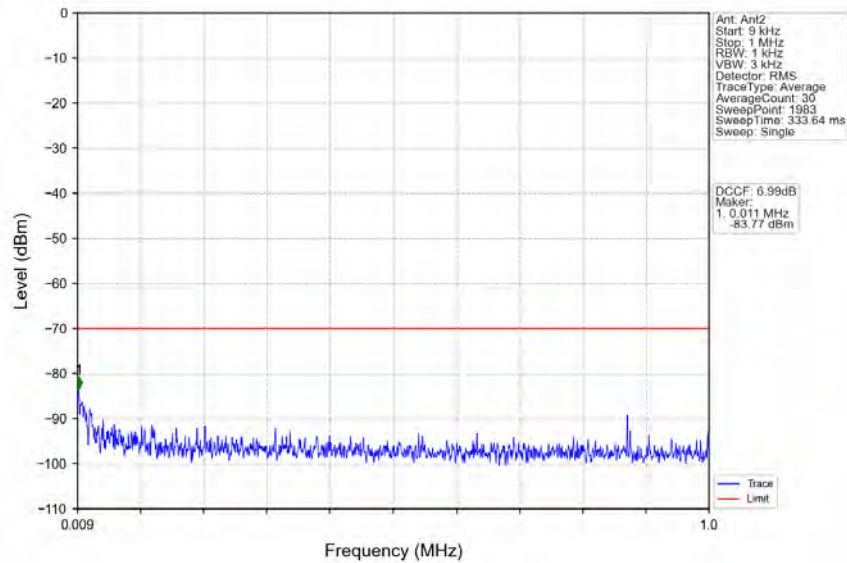
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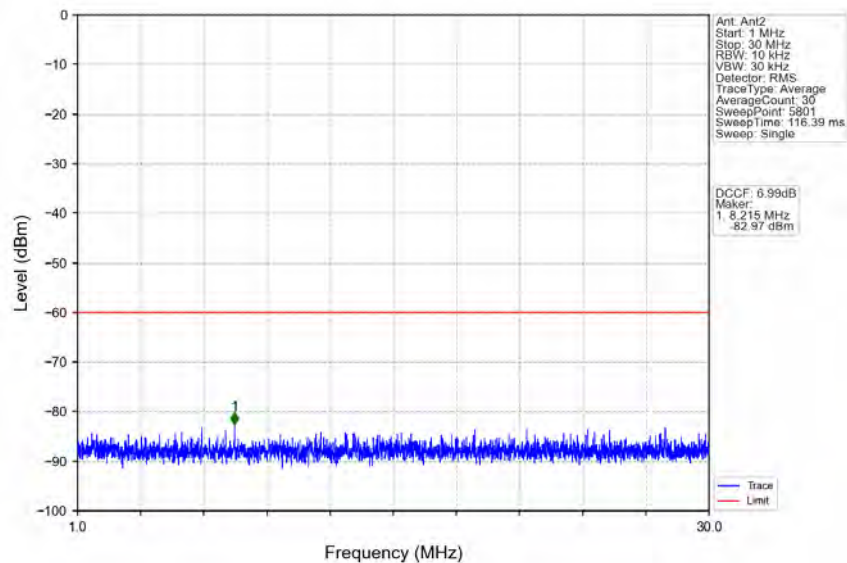
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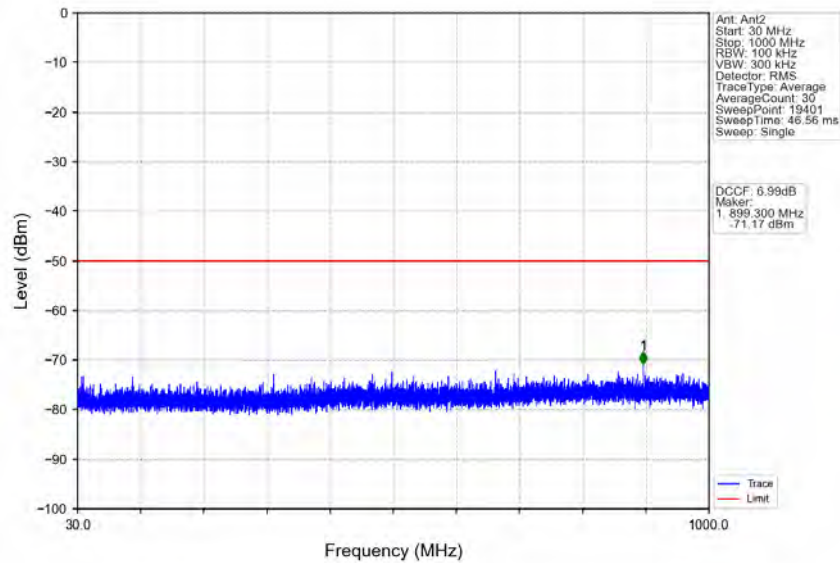
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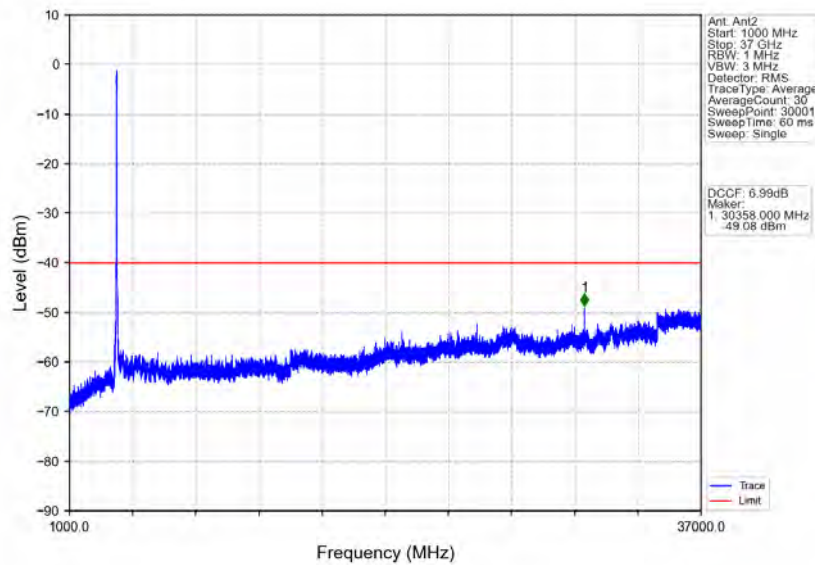
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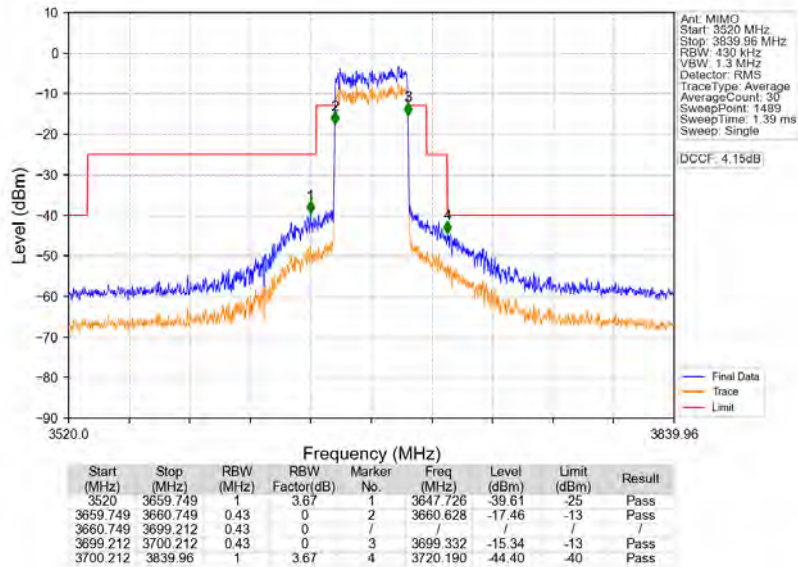
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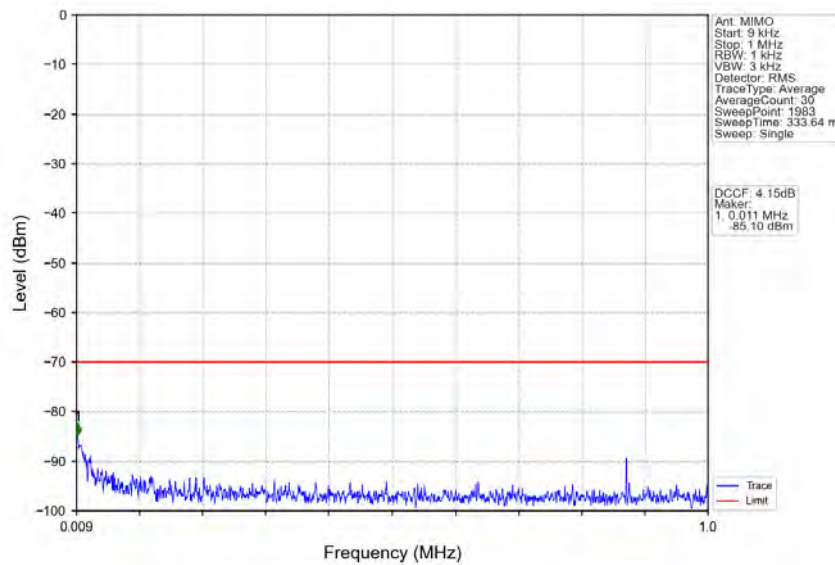
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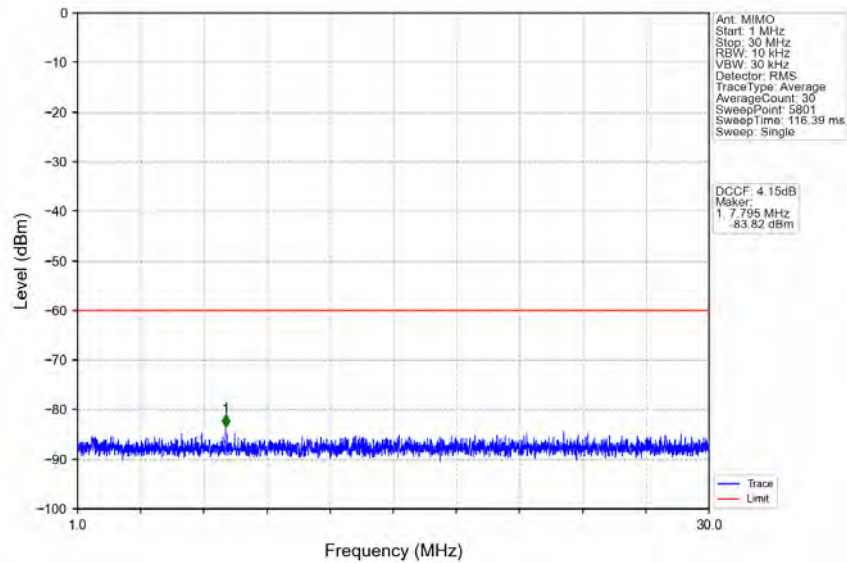
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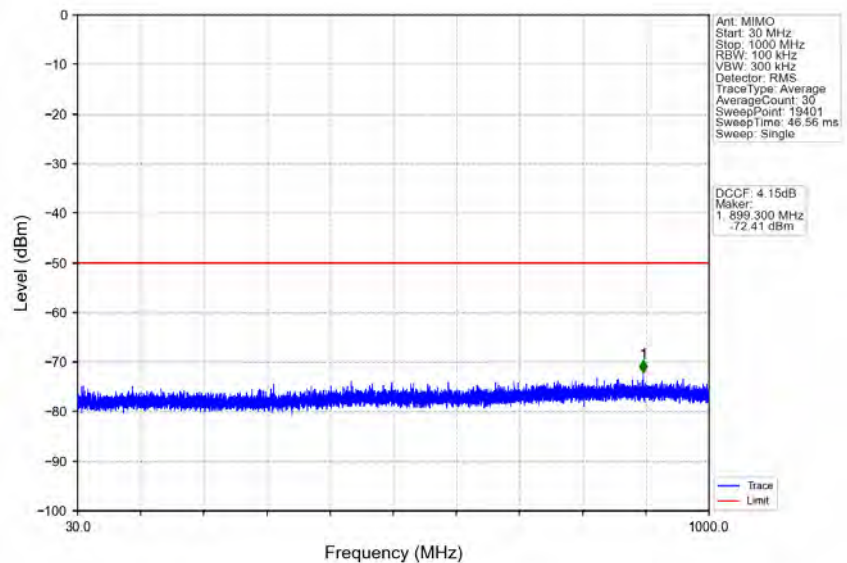


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n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3679.98MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3679.98MHz_Outer_Full



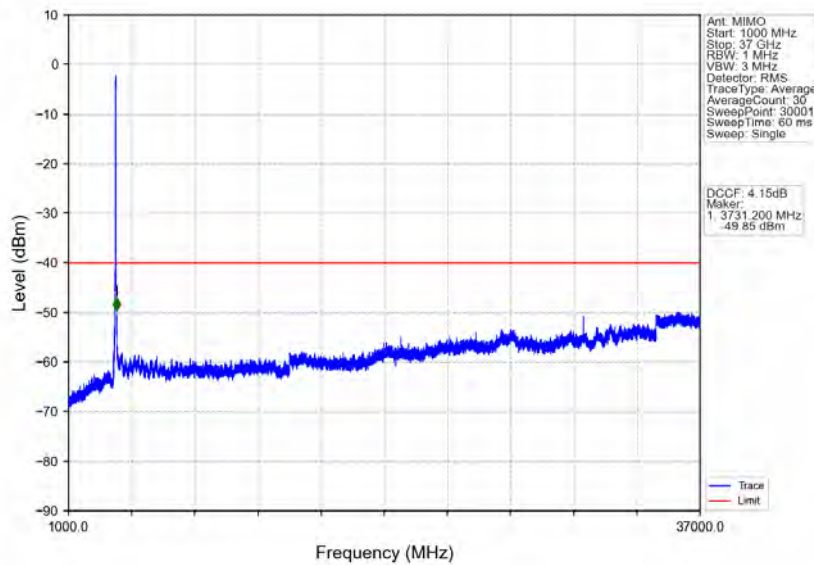
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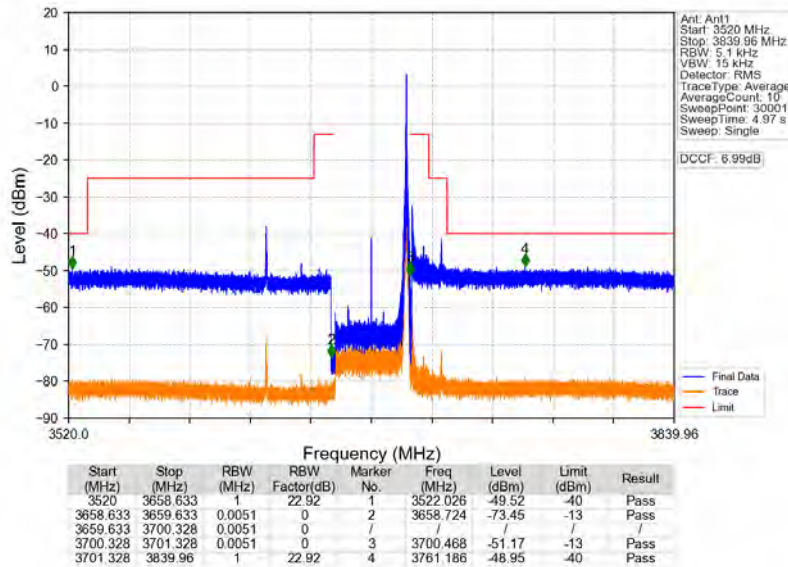
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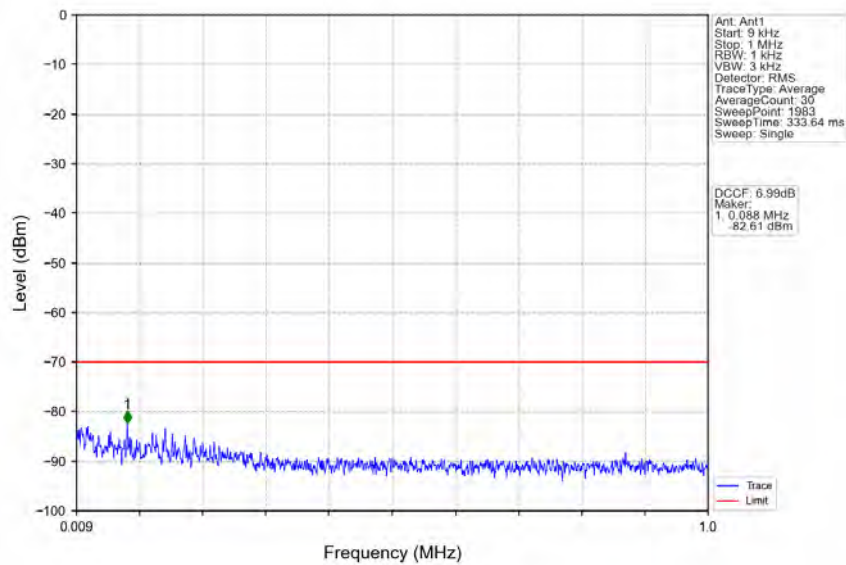
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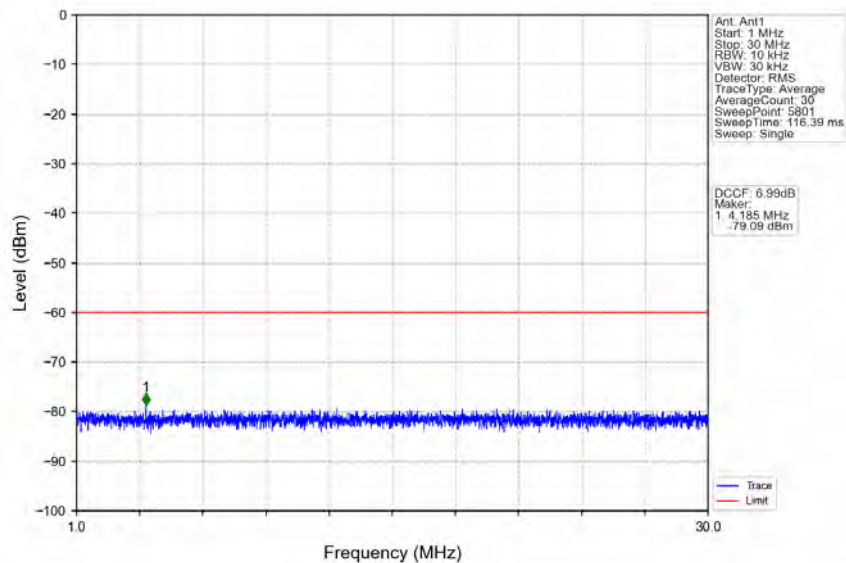
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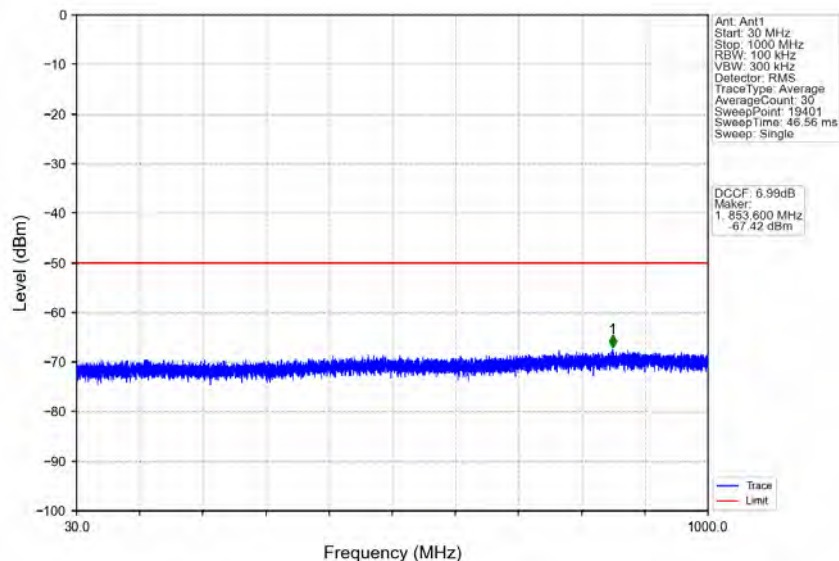
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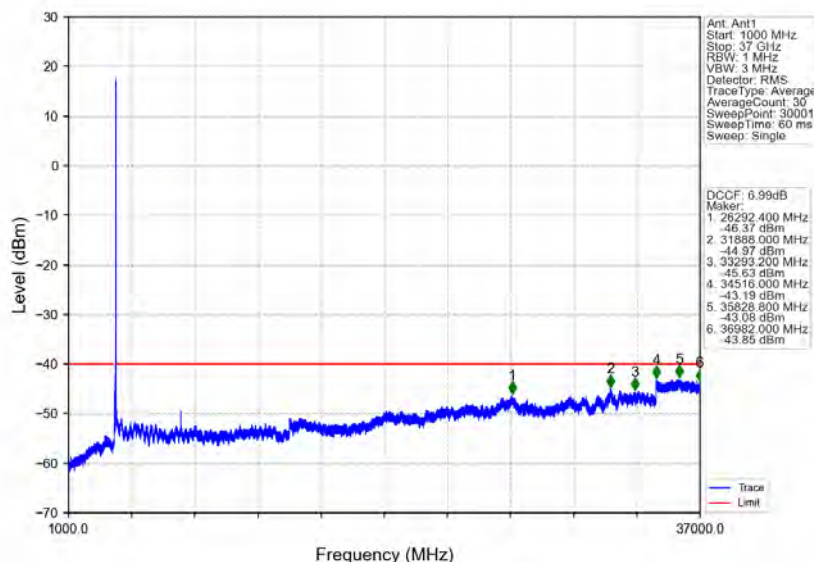
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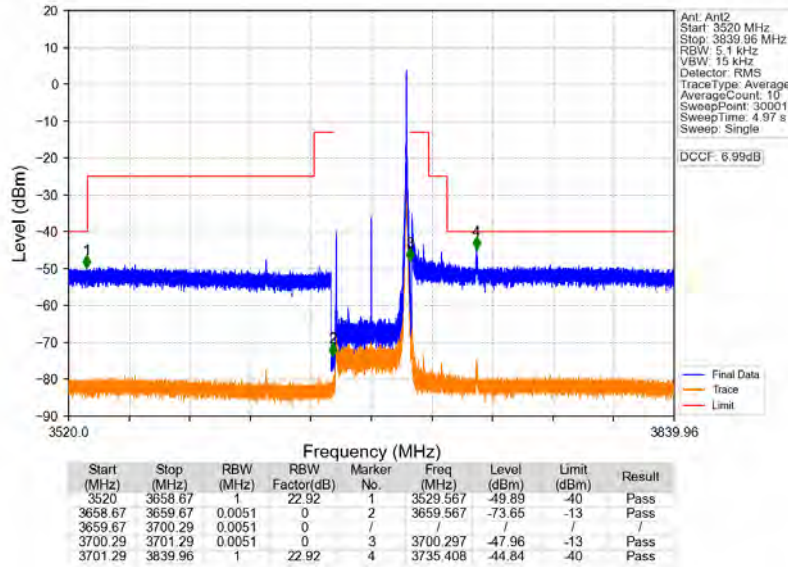
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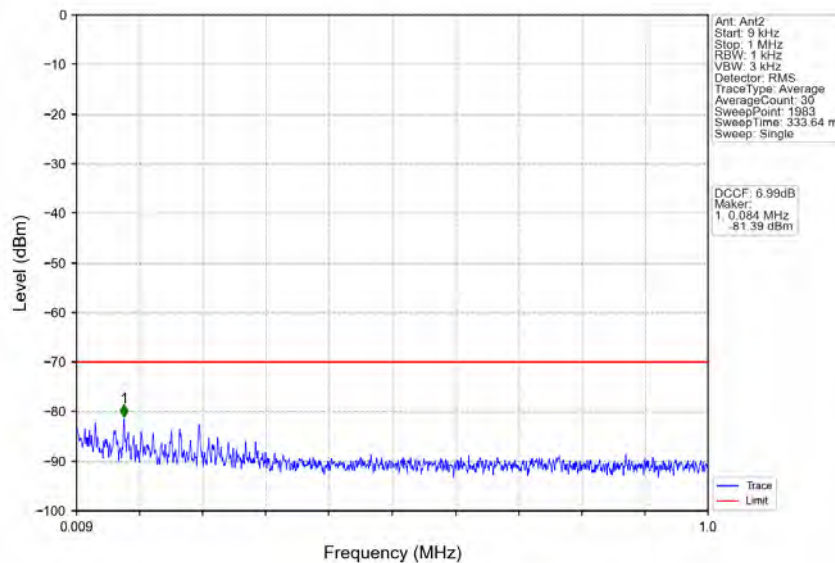
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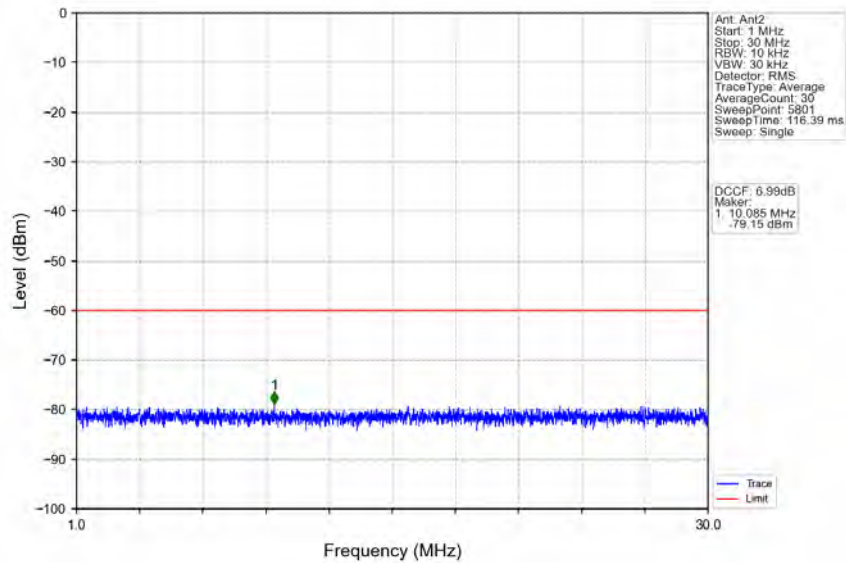
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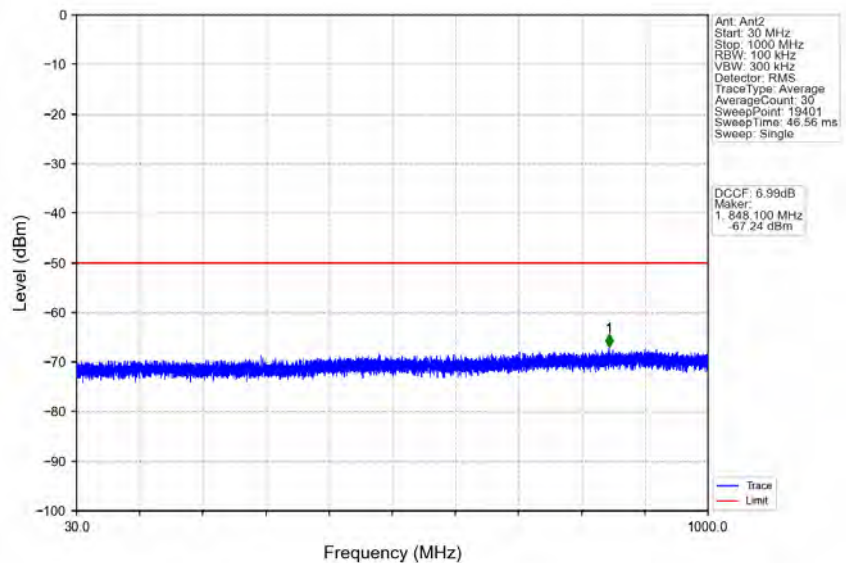
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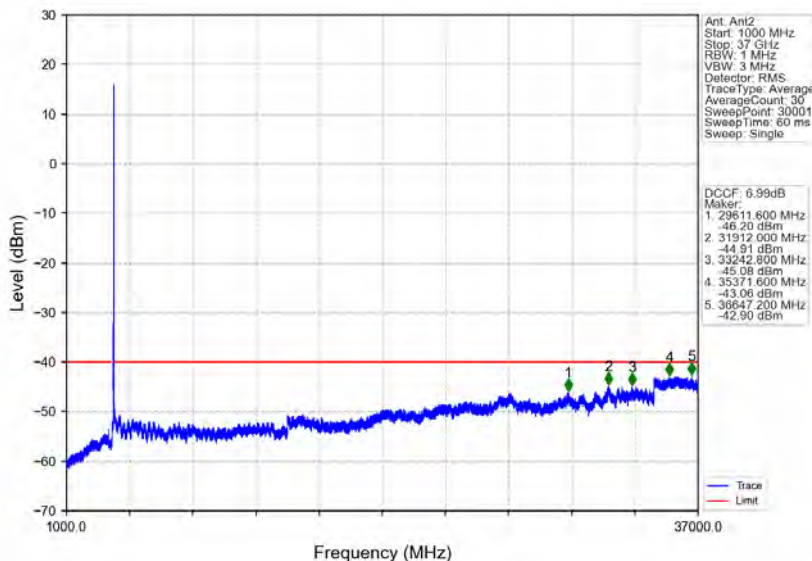
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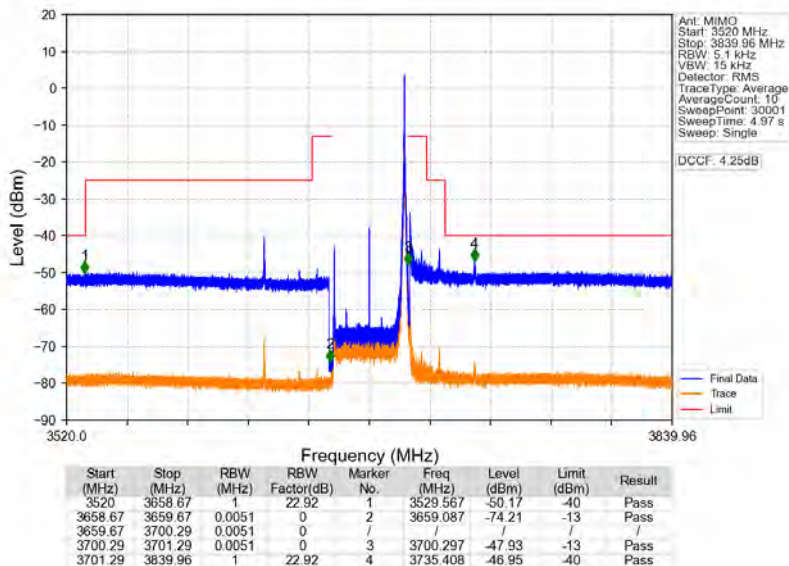
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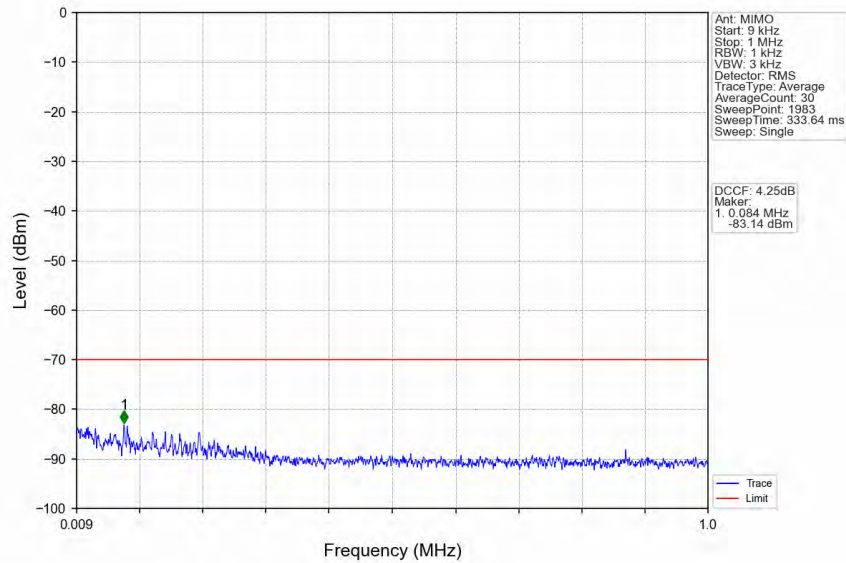
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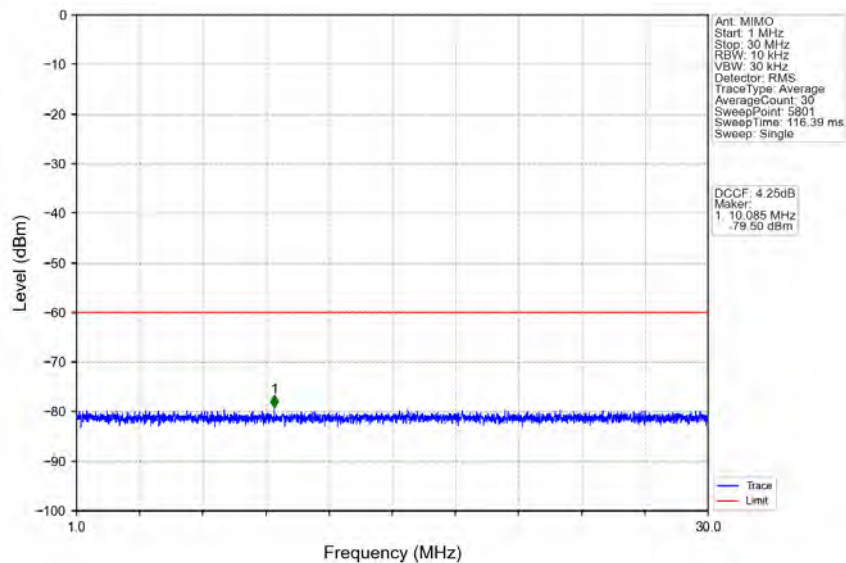
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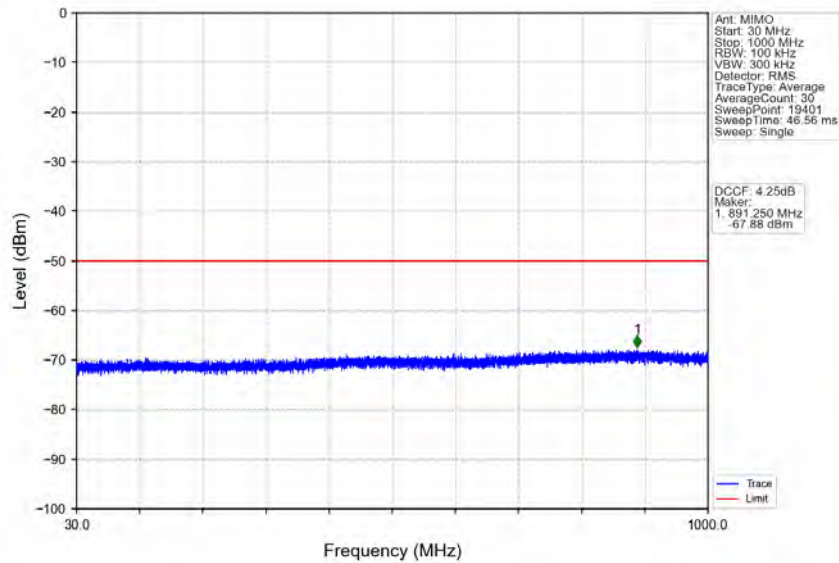
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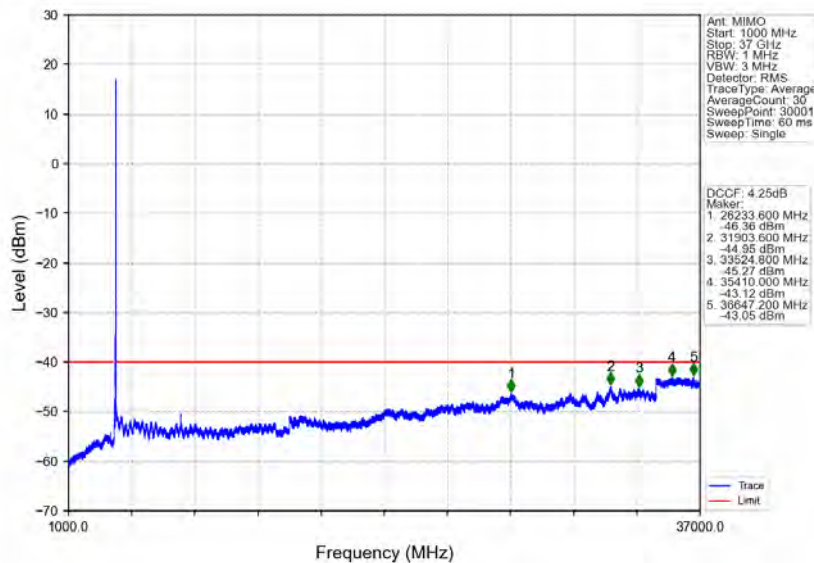
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6.6 30k_MIMO_50MHz_NTNV

6.6.1 Test Result

5G NR n78d SCS=30kHz MIMO 50MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3575.01	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
	3675	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	
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	Inner_1RB_Right	Refer To Test Graph				Pass	
Refer To Test Graph				Pass			
Refer To Test Graph				Pass			



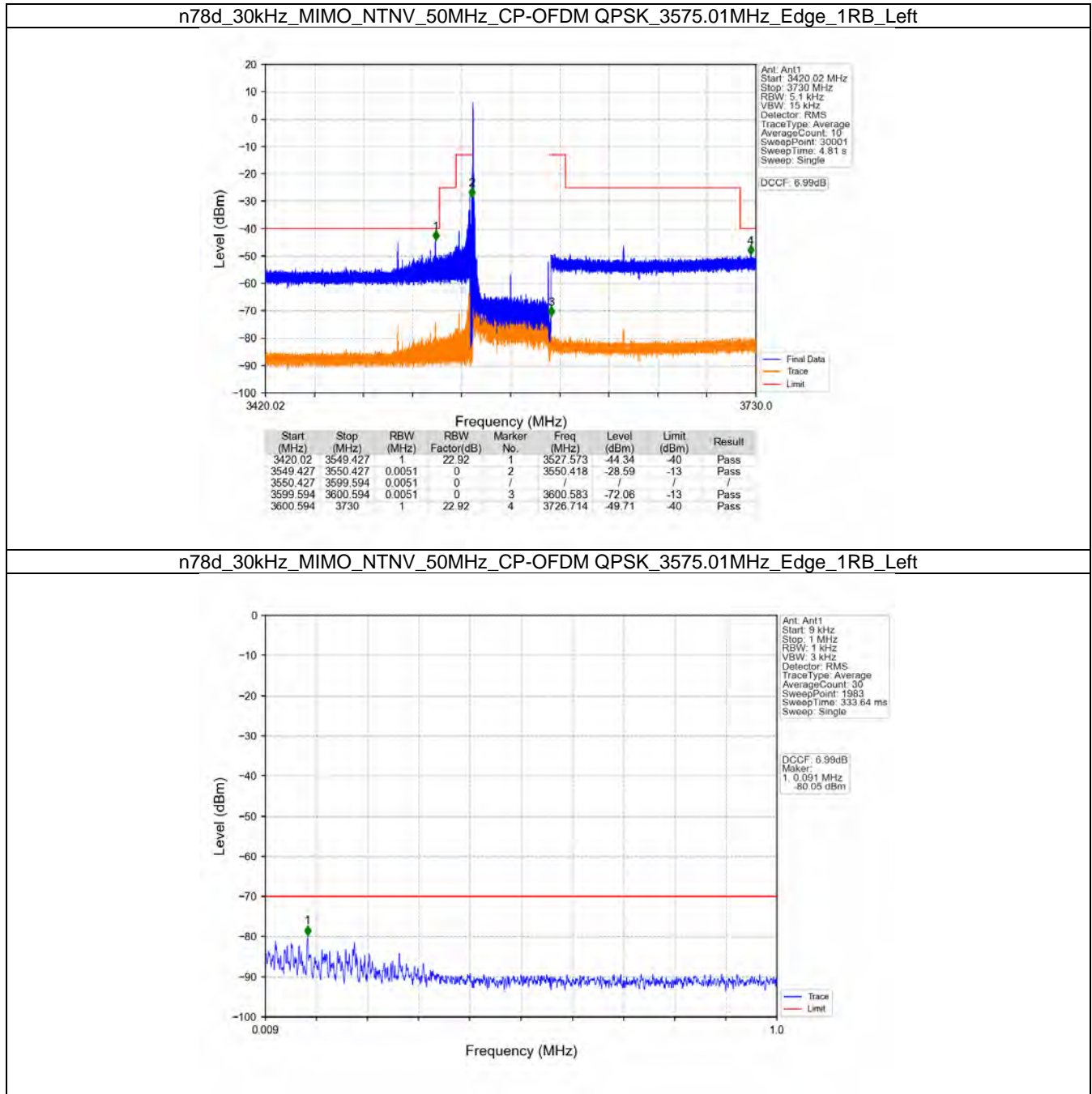
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6.6.2 Test Graph



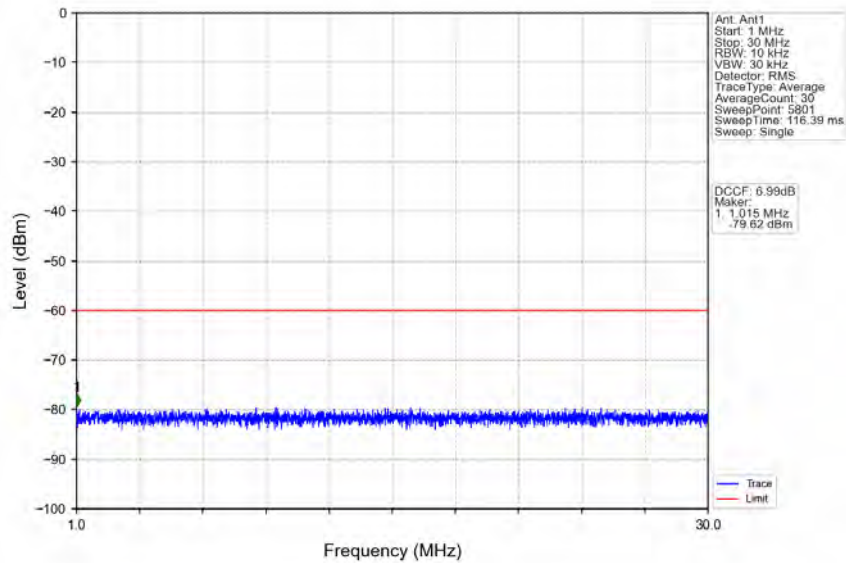
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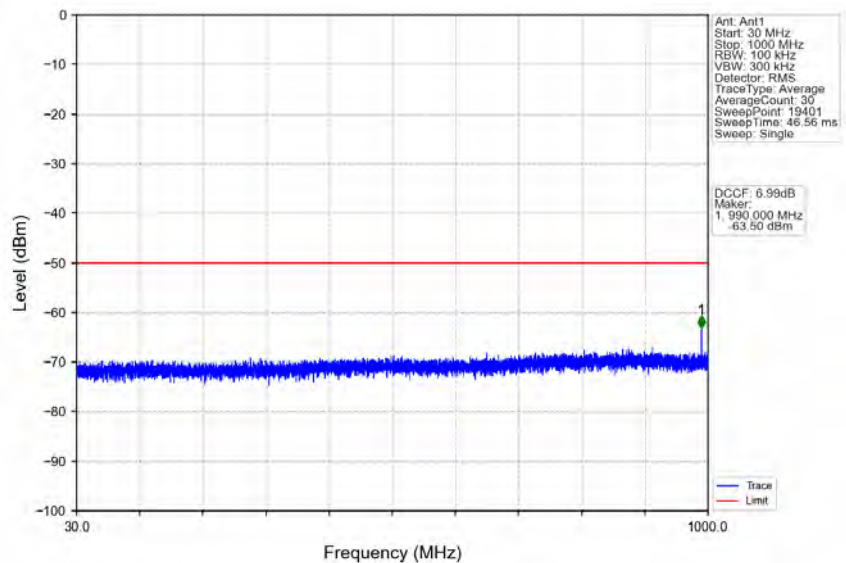
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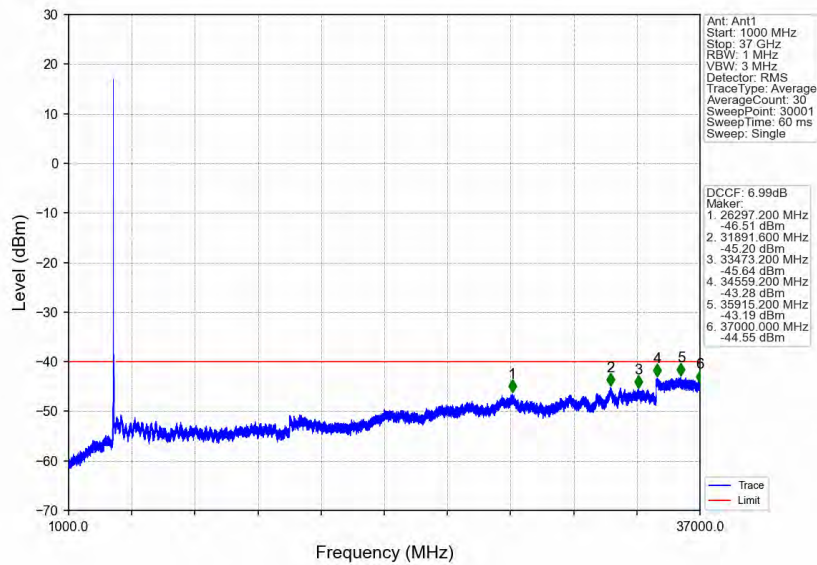
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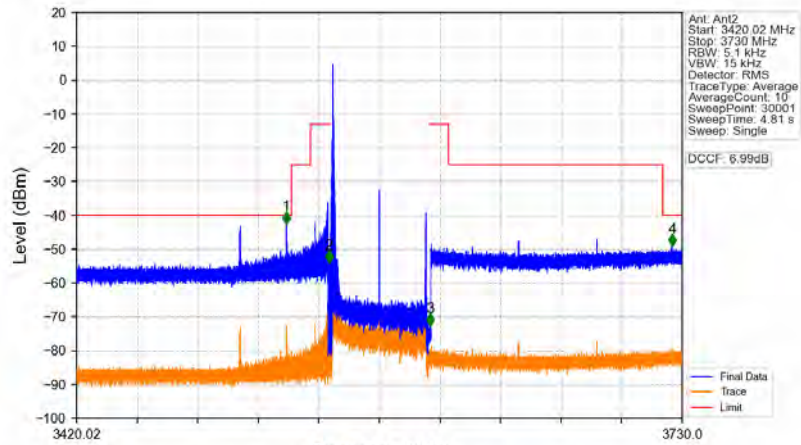
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3420.02	3548.669	1	22.92	1	3527.366	-42.56	-40	Pass
3548.669	3549.669	0.0051	0	2	3549.240	-54.08	-13	Pass
3549.669	3600.351	0.0051	0	3	3601.028	-72.73	-13	Pass
3600.351	3601.351	0.0051	0	3	3601.028	-72.73	-13	Pass
3601.351	3730	1	22.92	4	3724.937	-49.29	-40	Pass

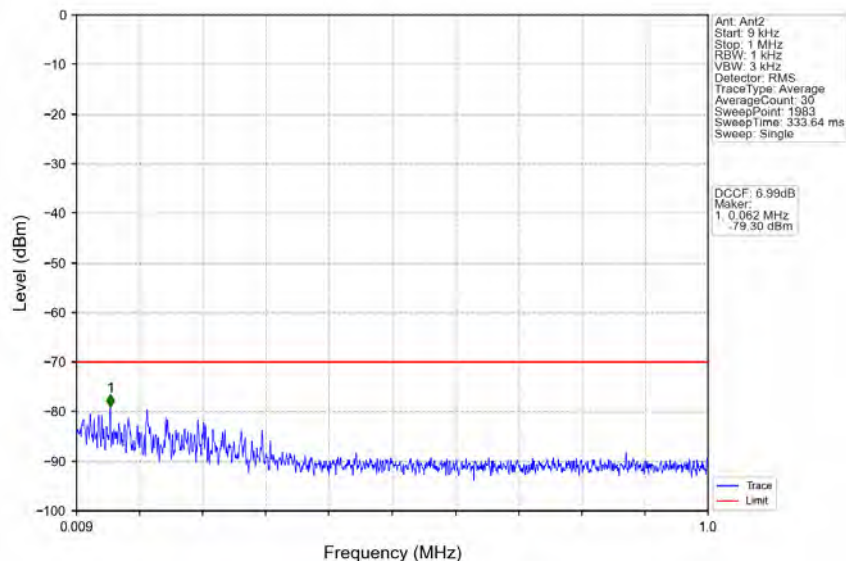


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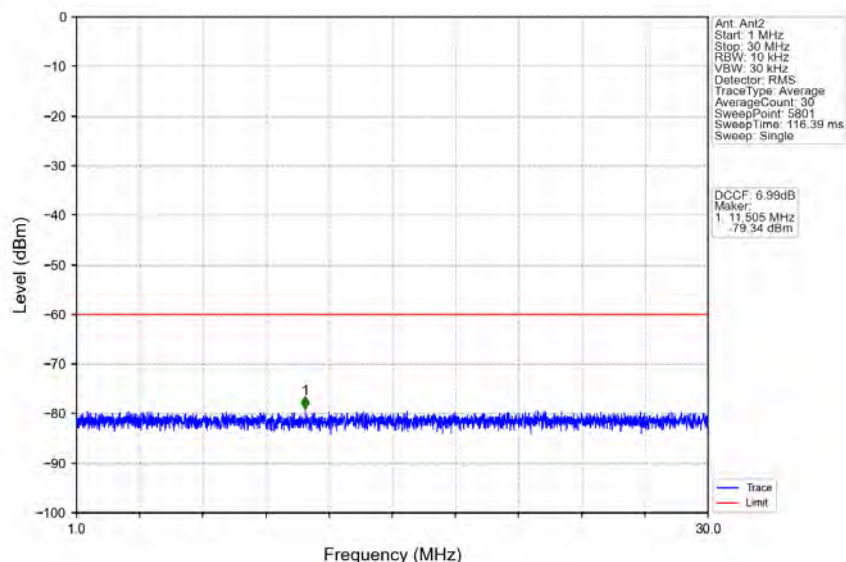
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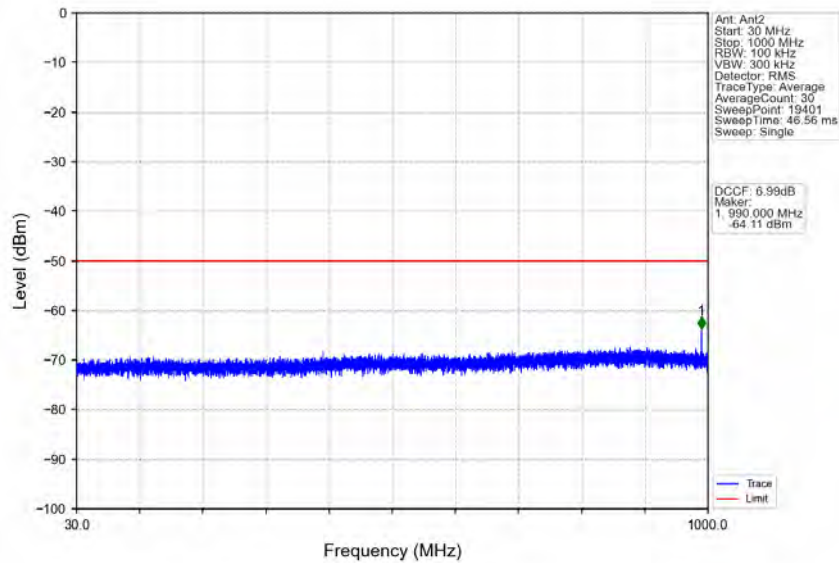
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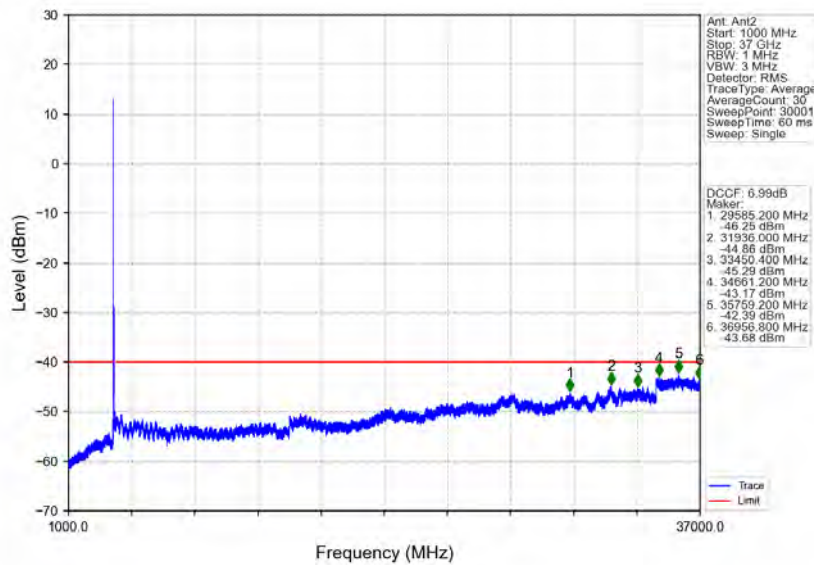
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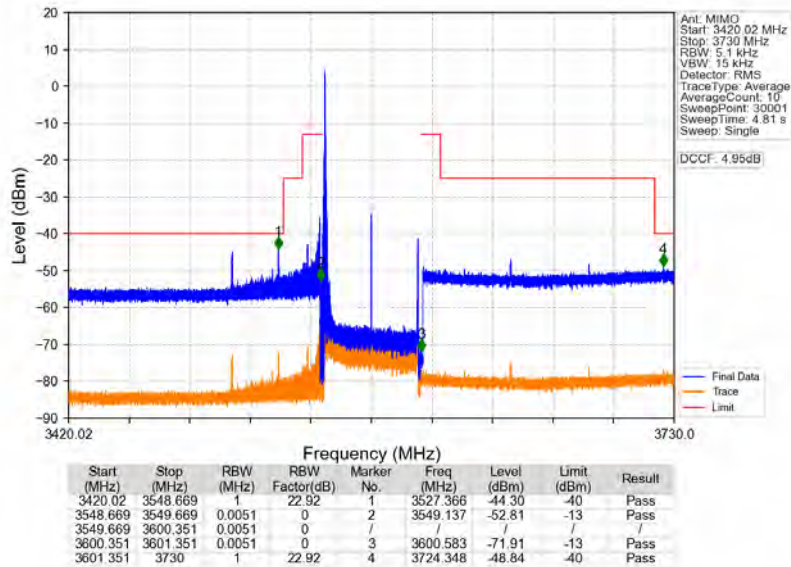
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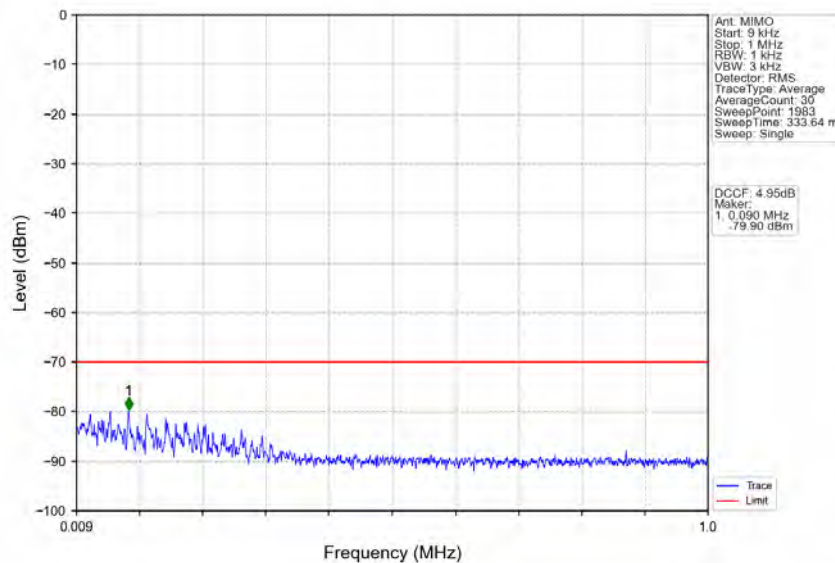
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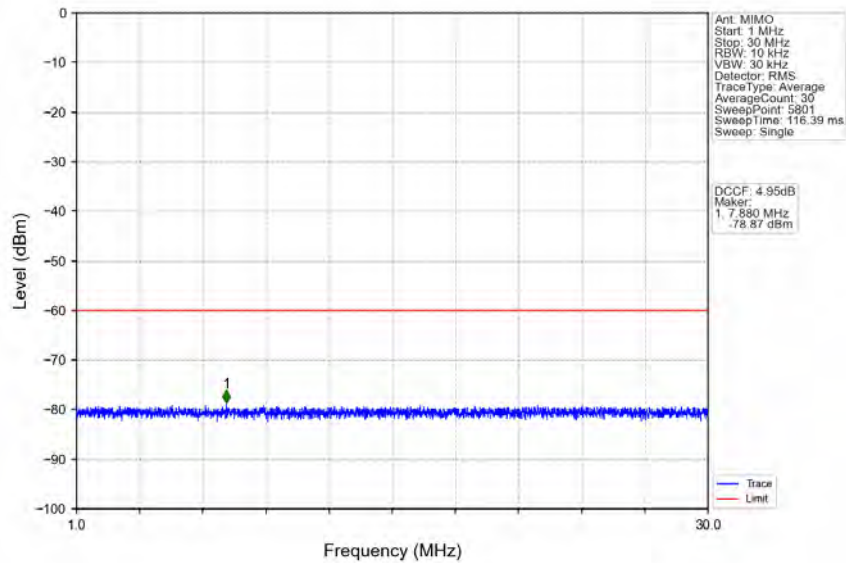
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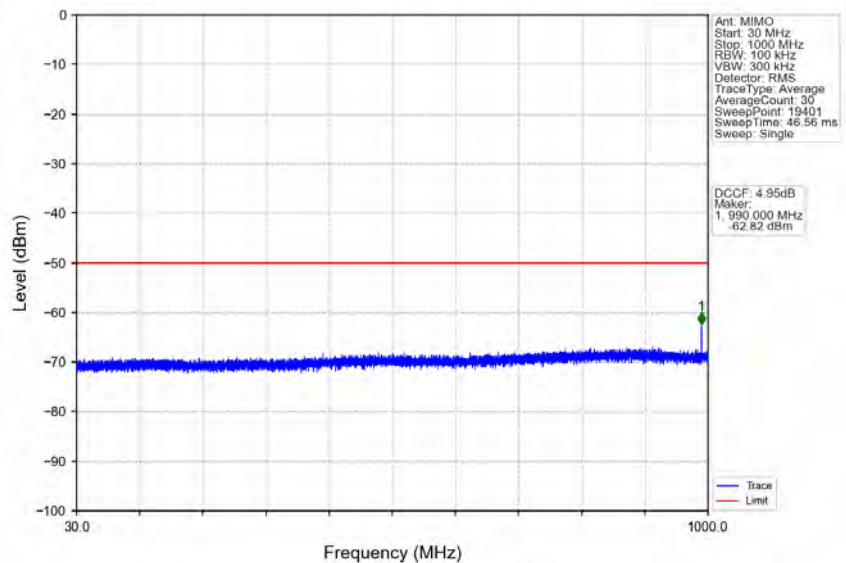


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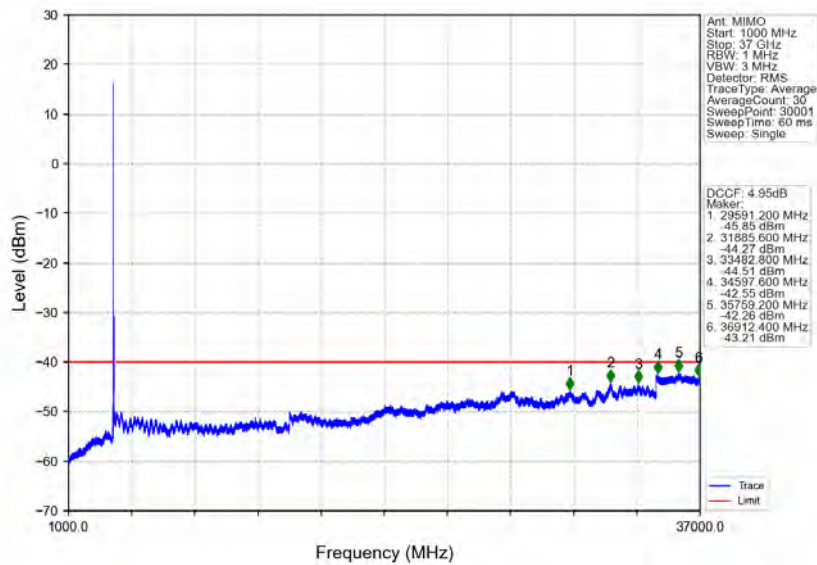
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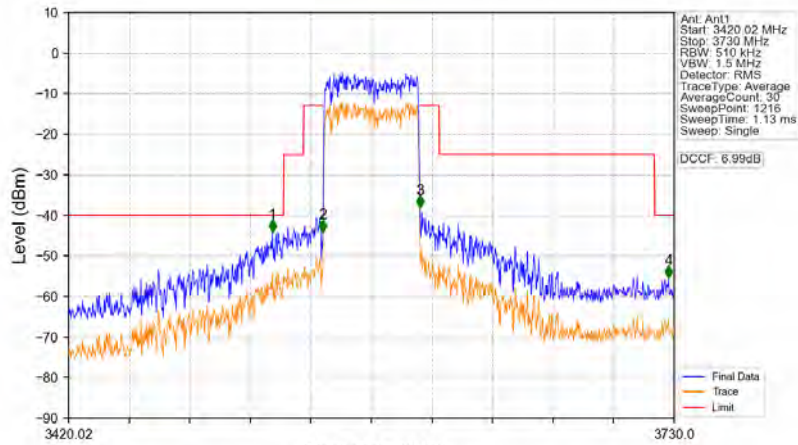
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3420.02	3549.361	1	2.92	1	3524.367	-44.15	-40	Pass
3549.361	3550.361	0.51	0	2	3550.135	-44.20	-13	Pass
3550.361	3599.659	0.51	0	/	/	/	/	/
3599.659	3600.659	0.51	0	3	3599.885	-38.16	-13	Pass
3600.659	3730	1	2.92	4	3727.194	-55.41	-40	Pass



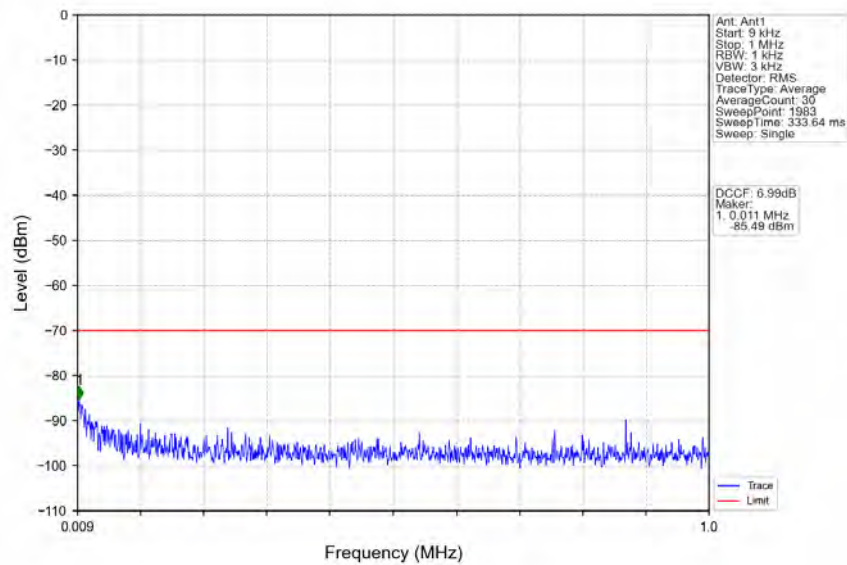
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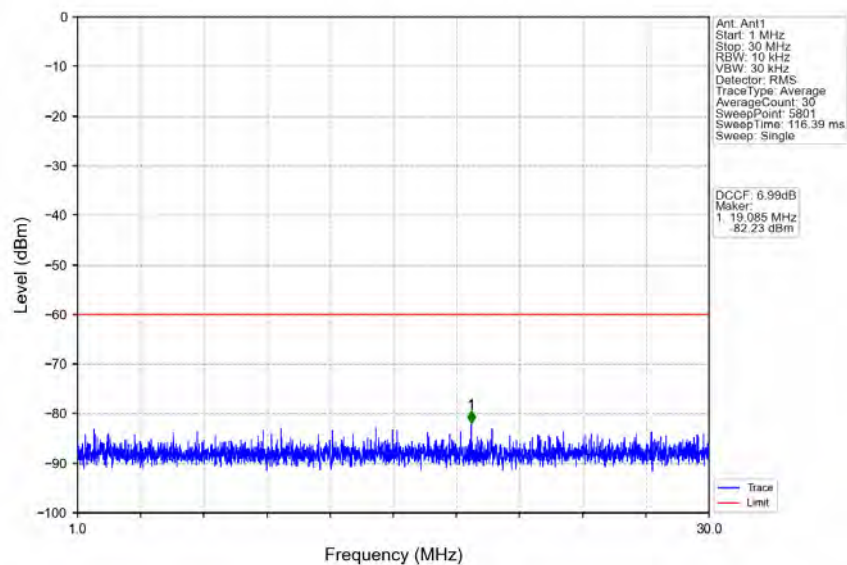
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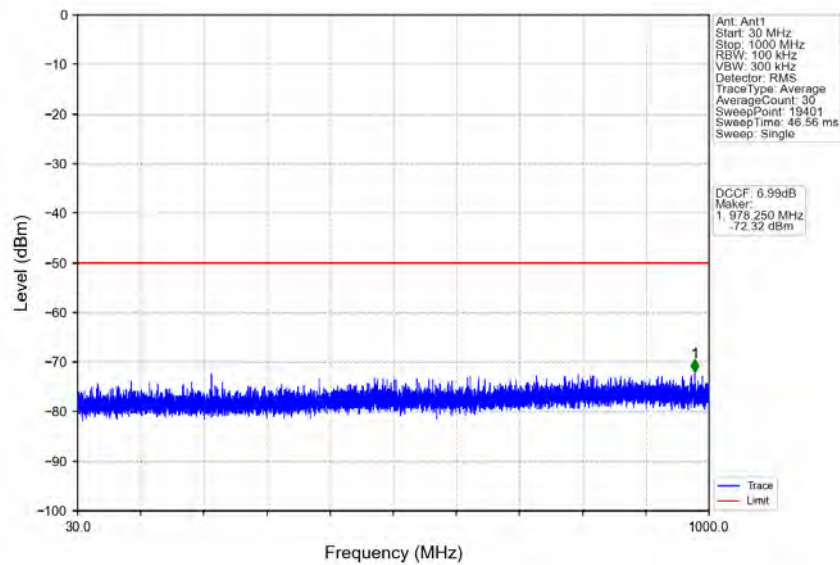
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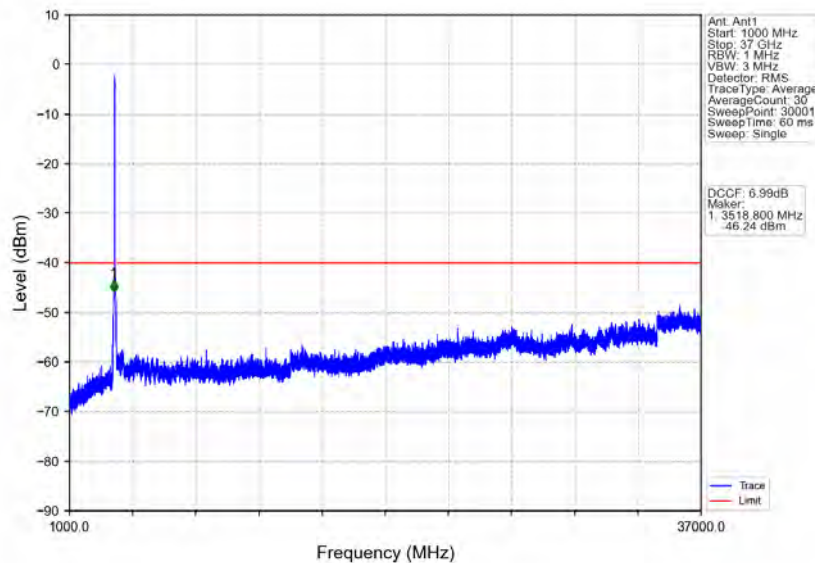
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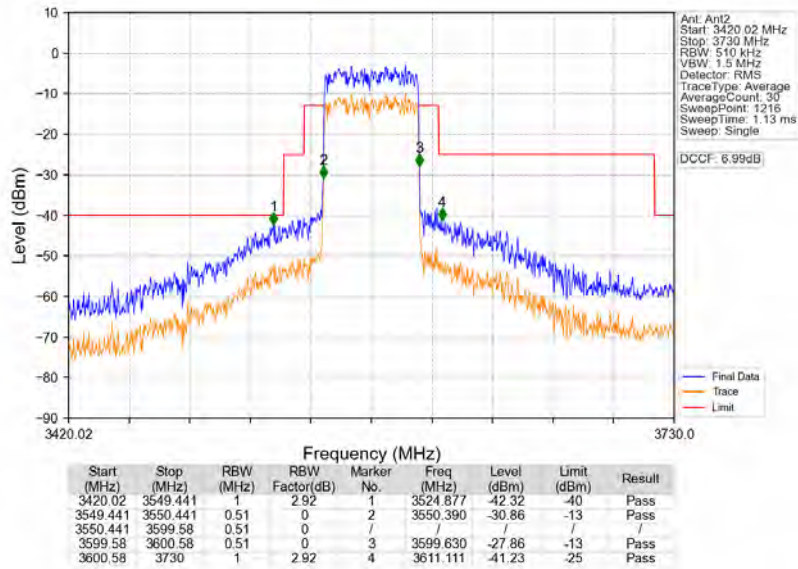
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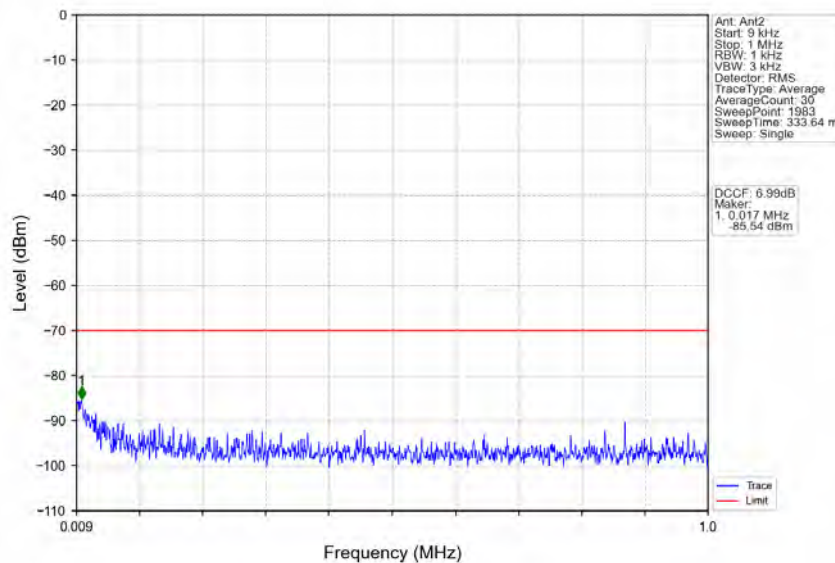
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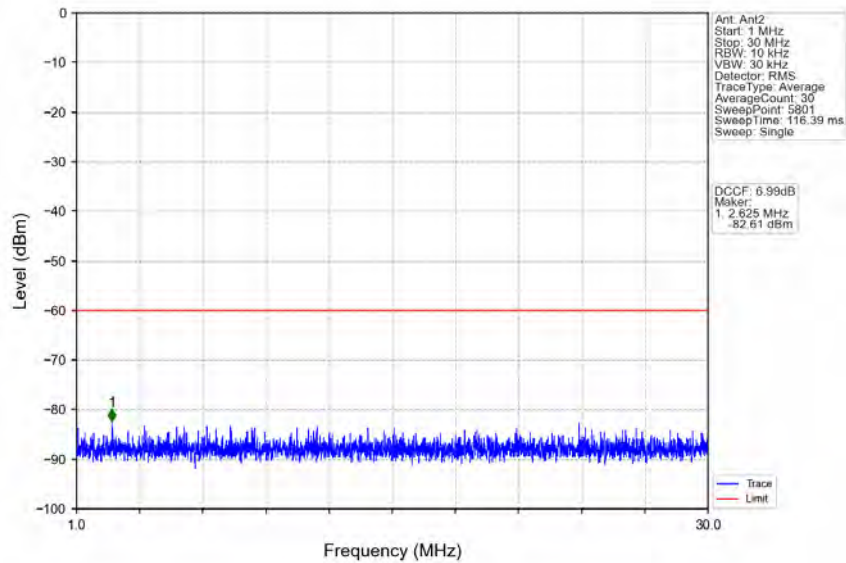
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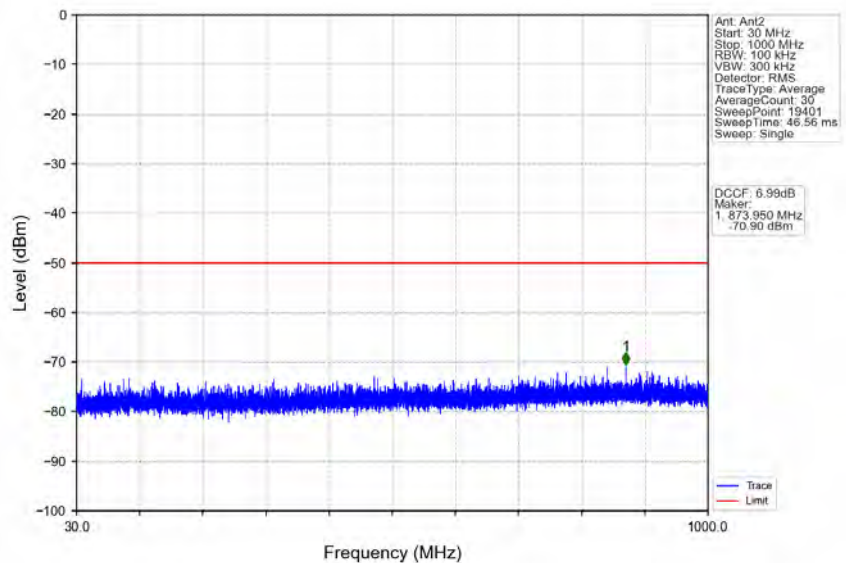
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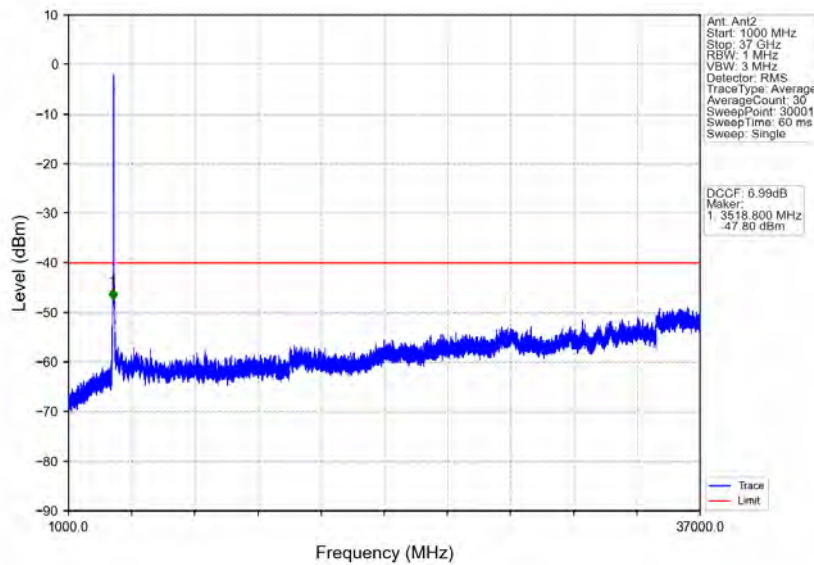
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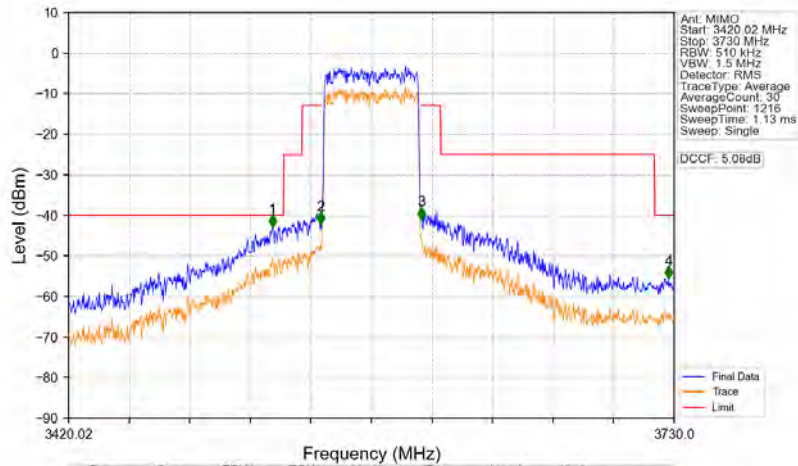
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3420.02	3548.427	1	2.92	1	3524.367	-42.91	-40	Pass
3548.427	3549.427	0.512	0.02	2	3549.115	-42.26	-13	Pass
3549.427	3600.593	0.512	0.02	/	/	/	/	/
3600.593	3601.593	0.512	0.02	3	3600.650	-41.09	-13	Pass
3601.593	3730	1	2.92	4	3727.194	-55.55	-40	Pass



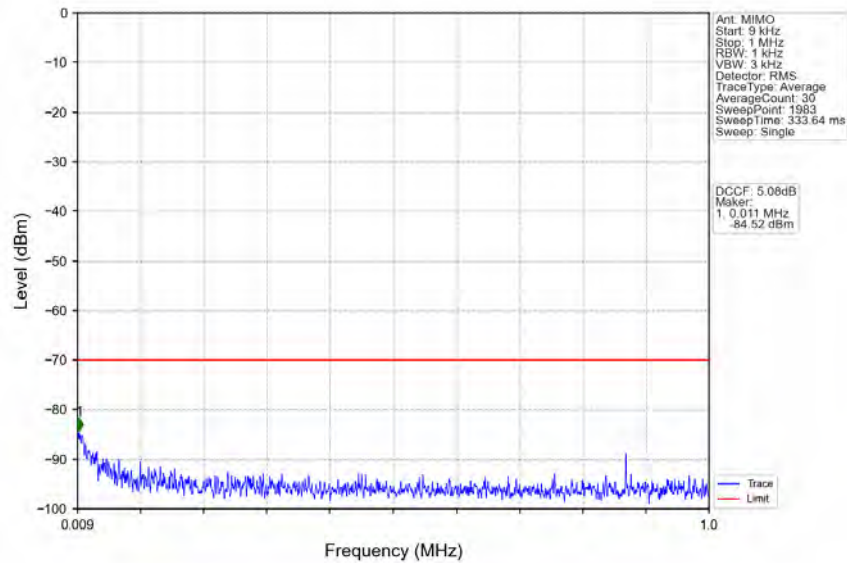
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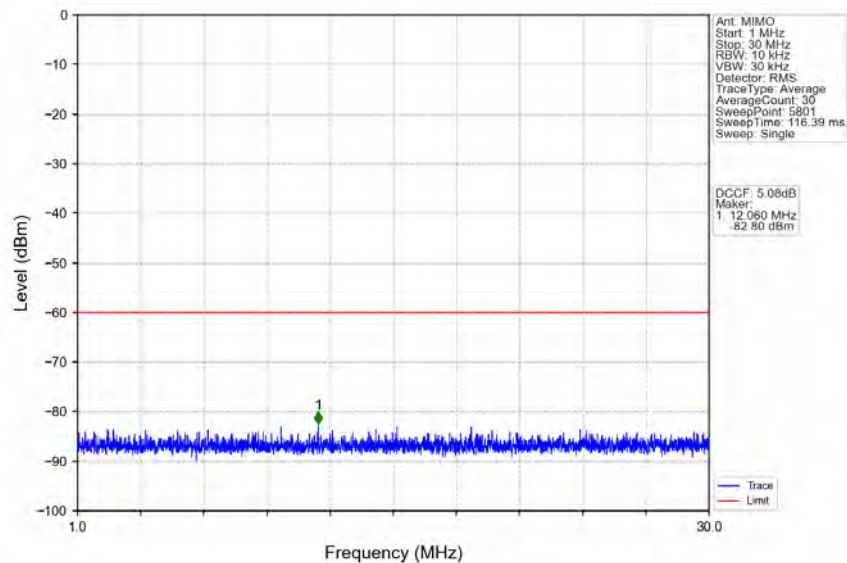
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n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM QPSK_3575.01MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM QPSK_3575.01MHz_Outer_Full



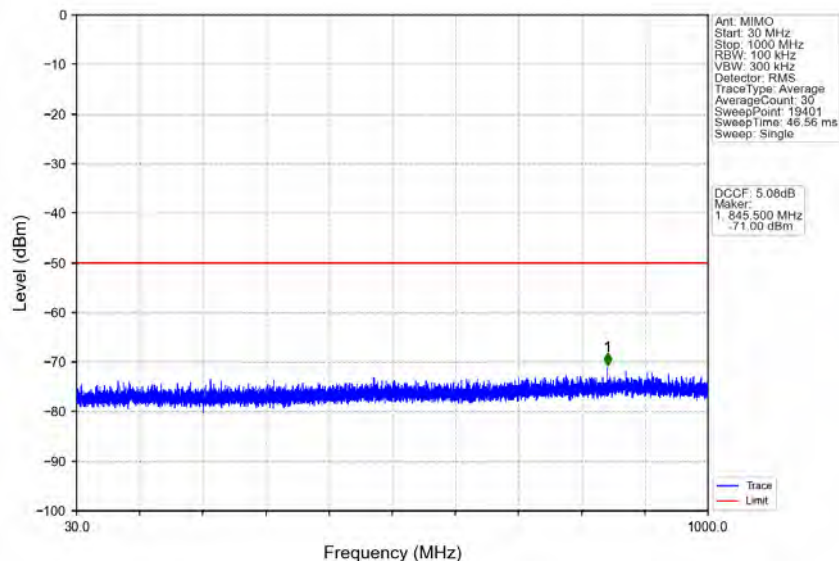
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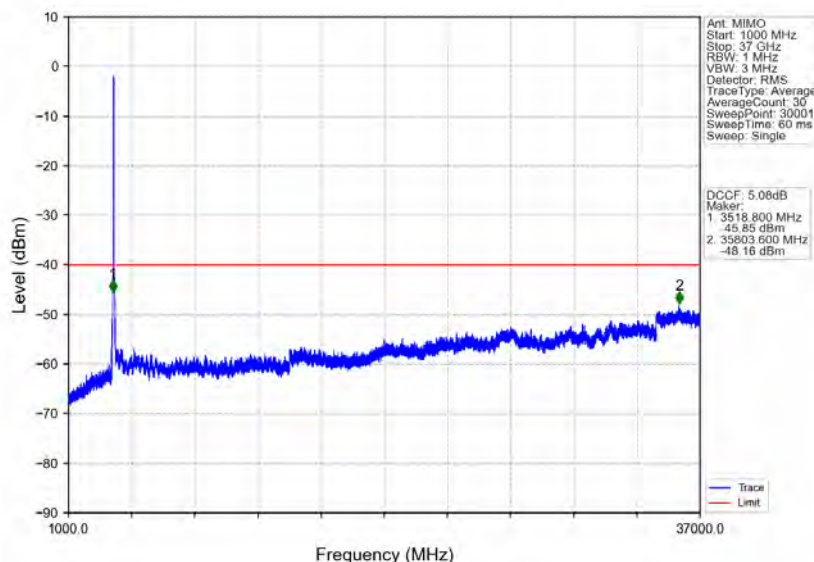
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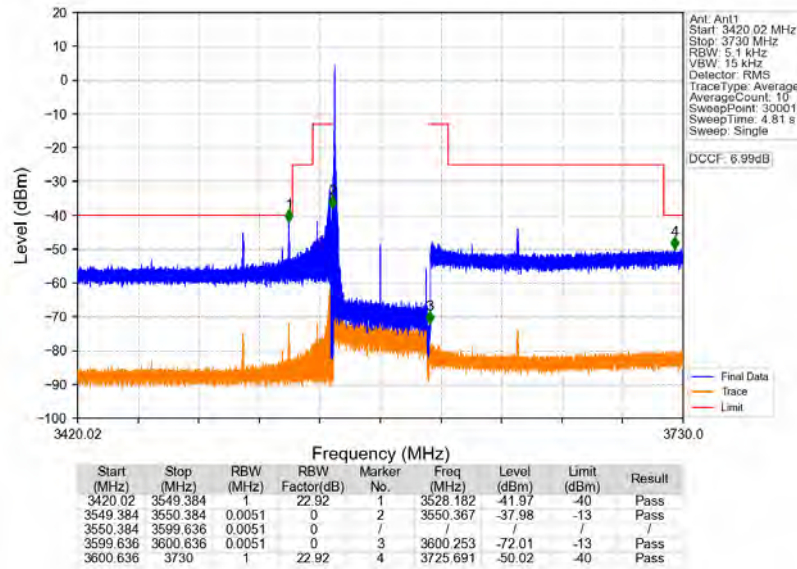
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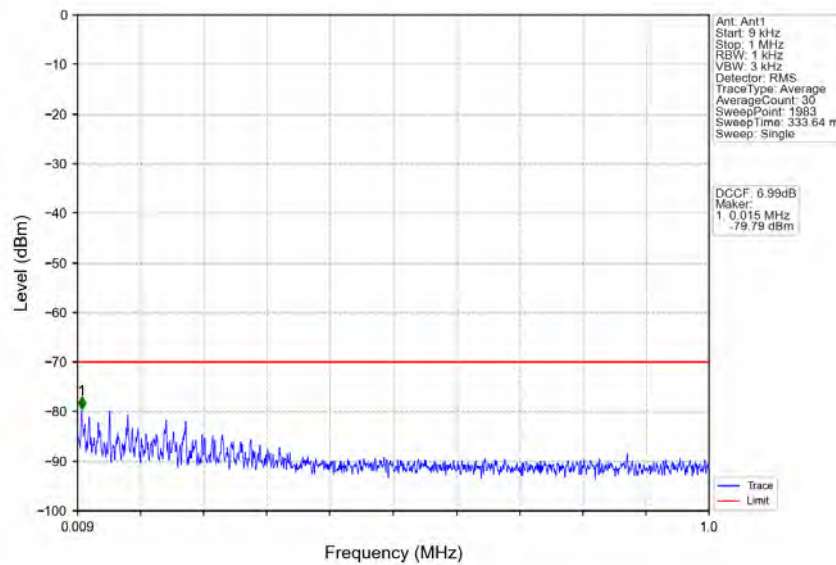
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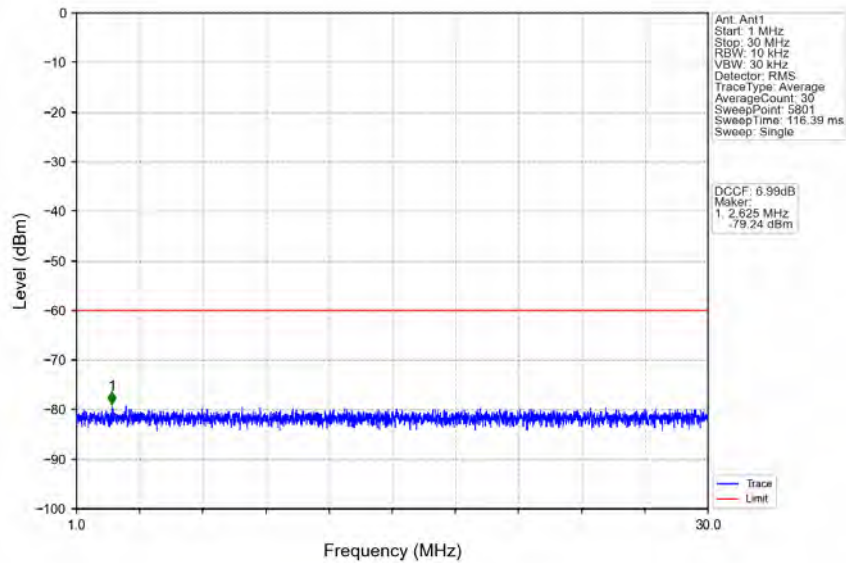
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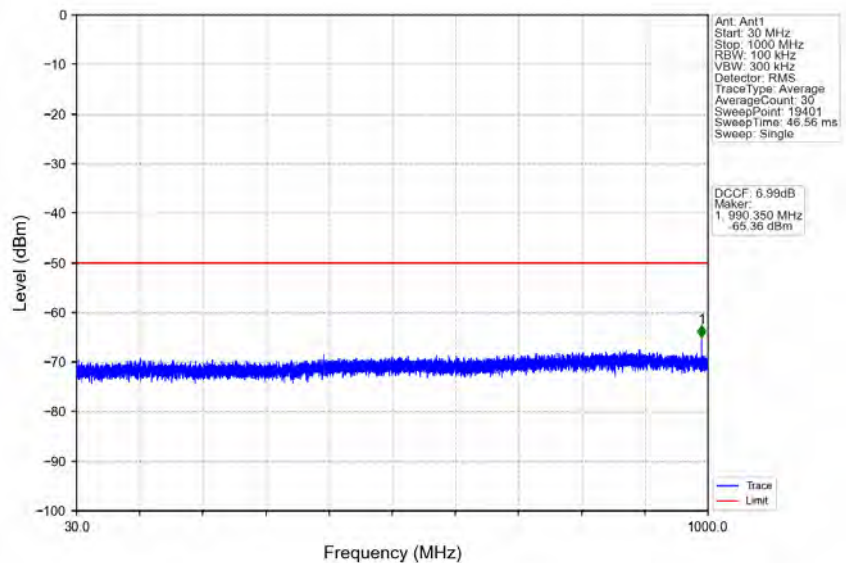
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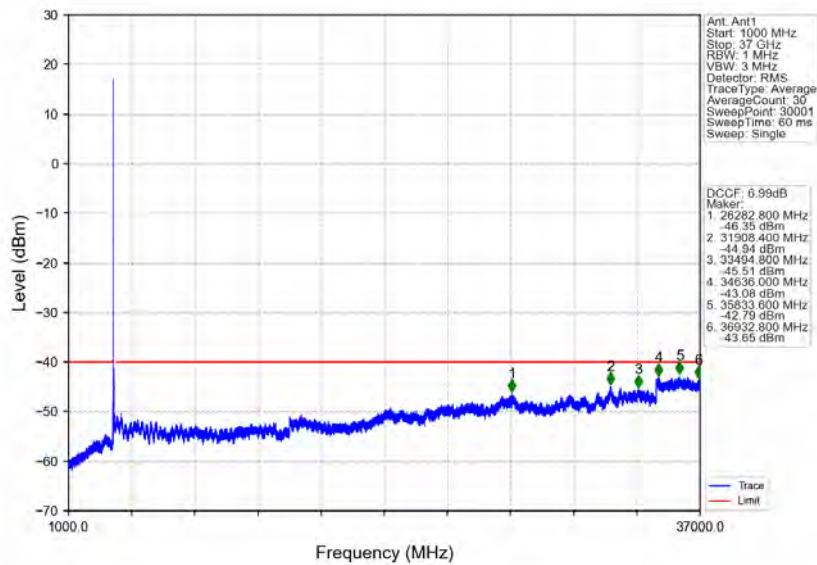
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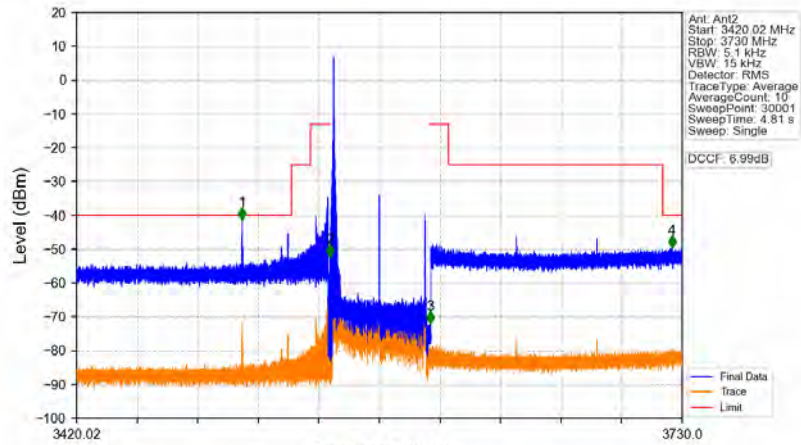
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3420.02	3548.669	1	22.92	1	3504.810	-41.45	-40	Pass
3548.669	3549.669	0.0051	0	2	3549.623	-52.32	-13	Pass
3549.669	3600.351	0.0051	0	/	/	/	/	/
3600.351	3601.351	0.0051	0	3	3601.028	-72.06	-13	Pass
3601.351	3730	1	22.92	4	3724.844	-49.63	-40	Pass



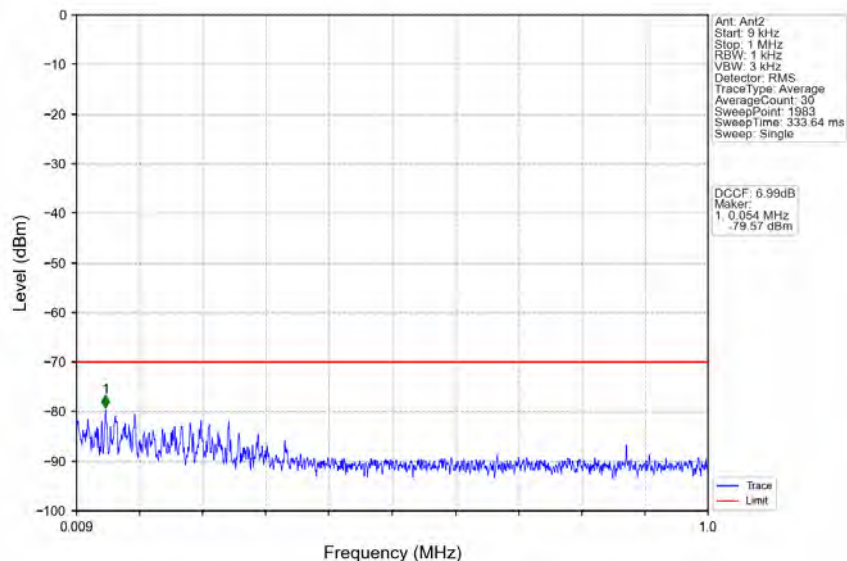
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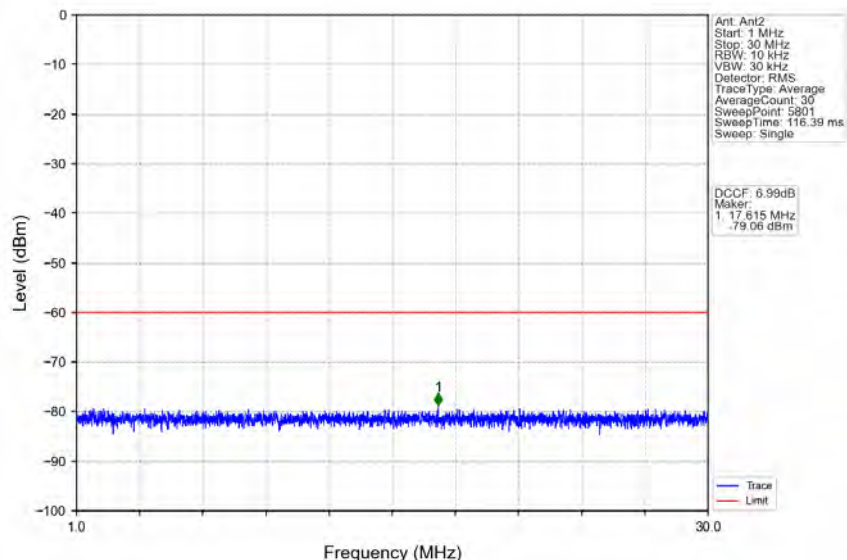
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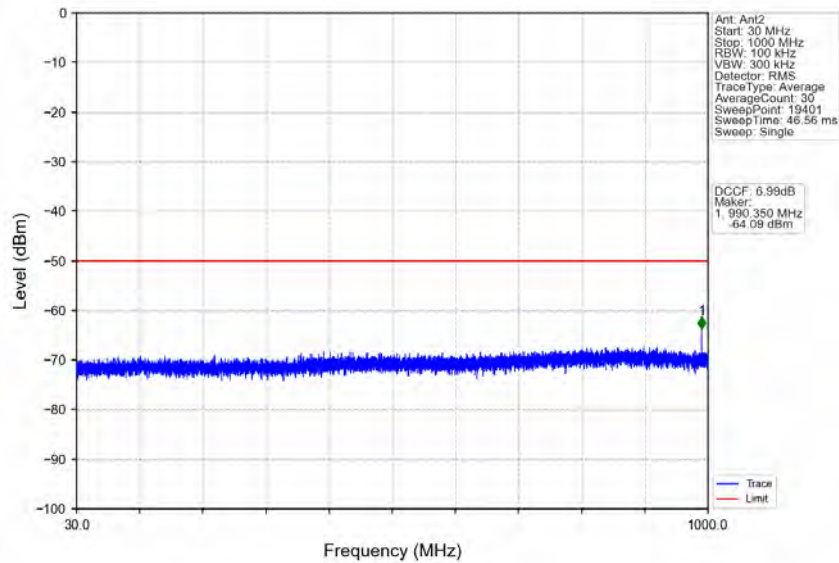
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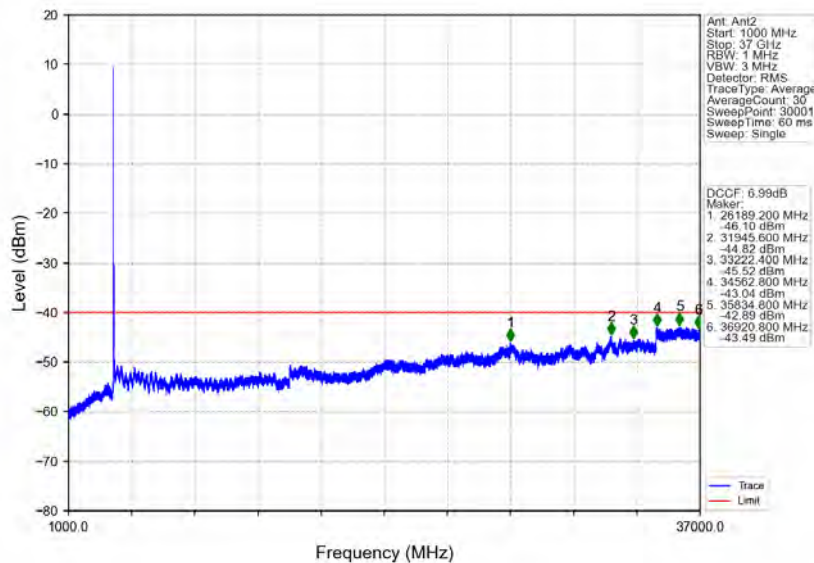
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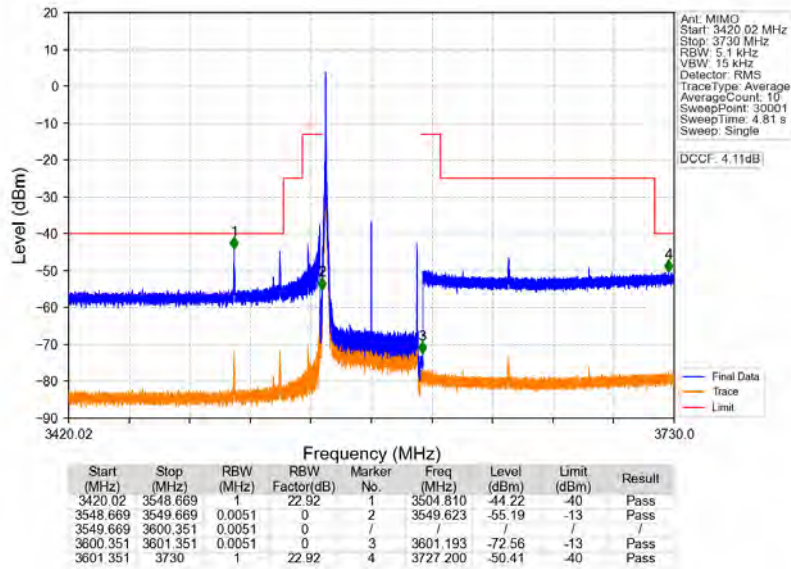
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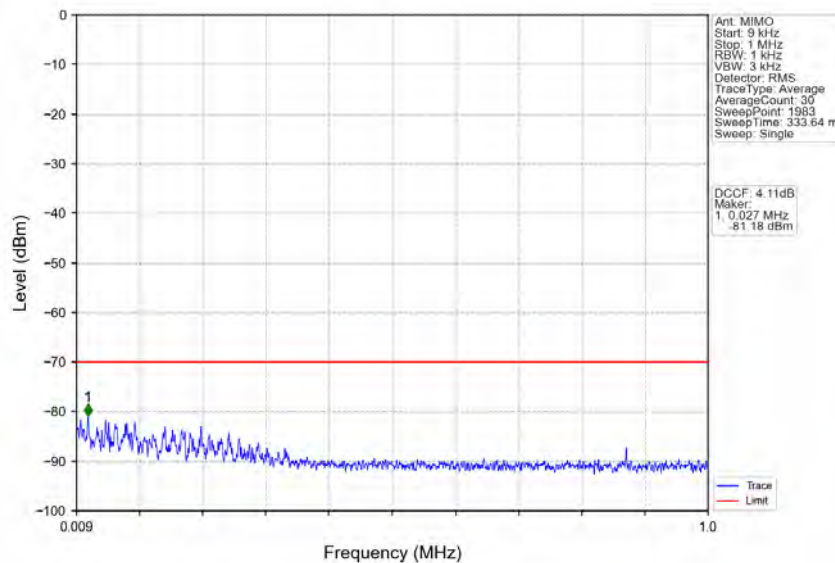
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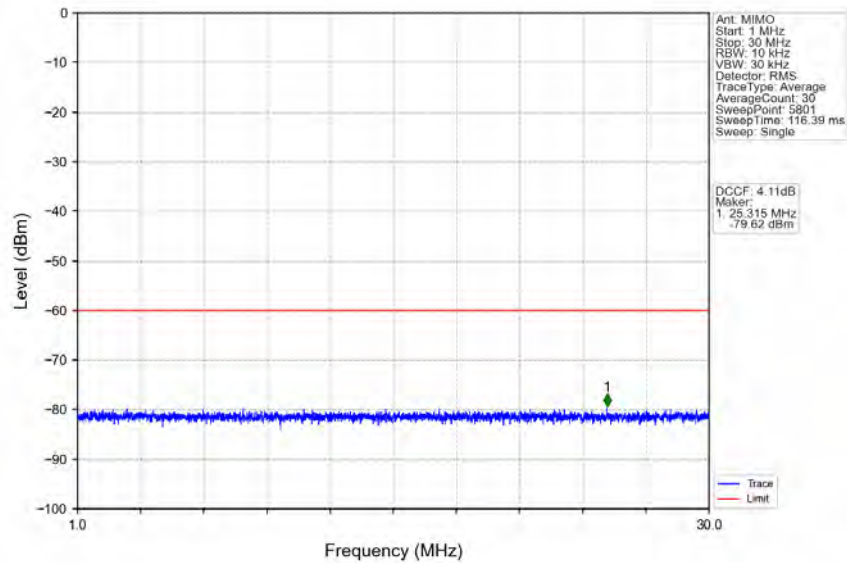
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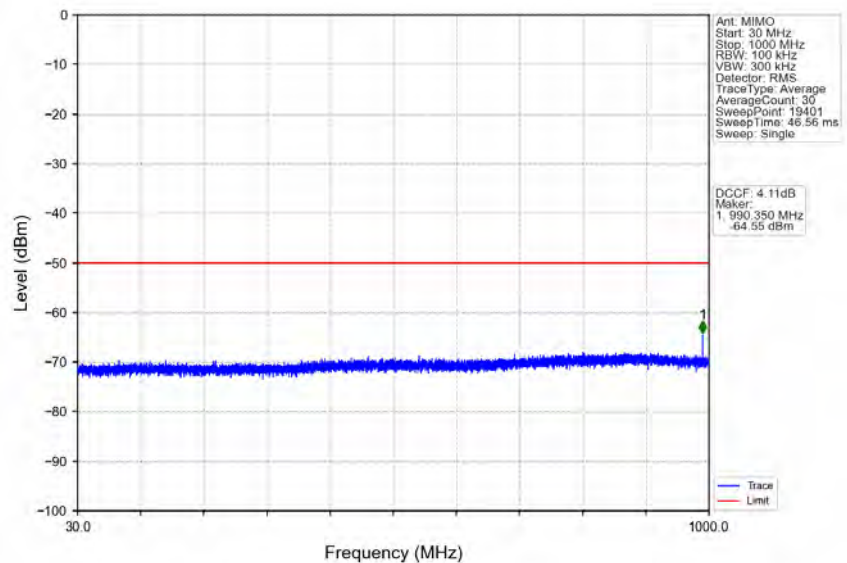


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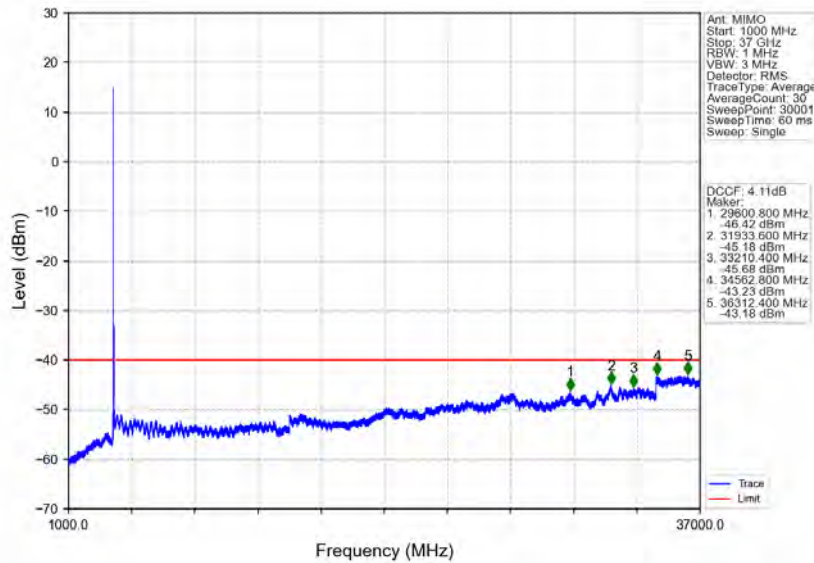
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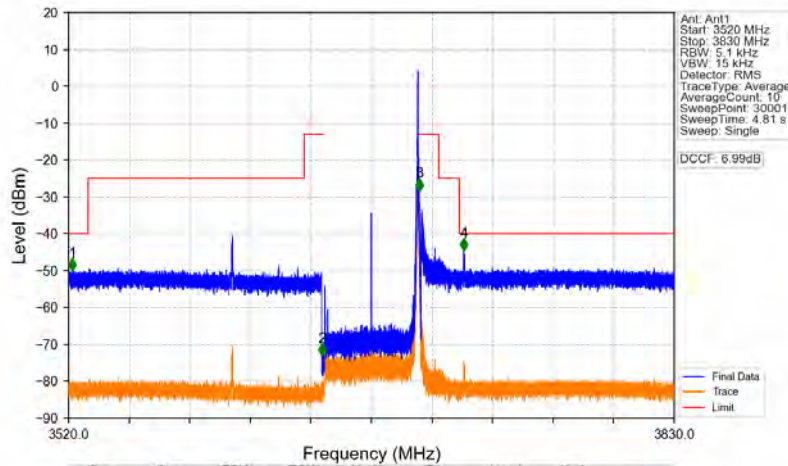
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Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3649.558	1	22.92	1	3521.974	-50.05	-40	Pass
3649.558	3650.558	0.0051	0	2	3649.621	-73.10	-13	Pass
3650.558	3699.443	0.0051	0	3	3699.449	-28.40	-13	Pass
3699.443	3700.443	0.0051	0	3	3699.449	-28.40	-13	Pass
3700.443	3830	1	22.92	4	3722.430	-44.69	-40	Pass



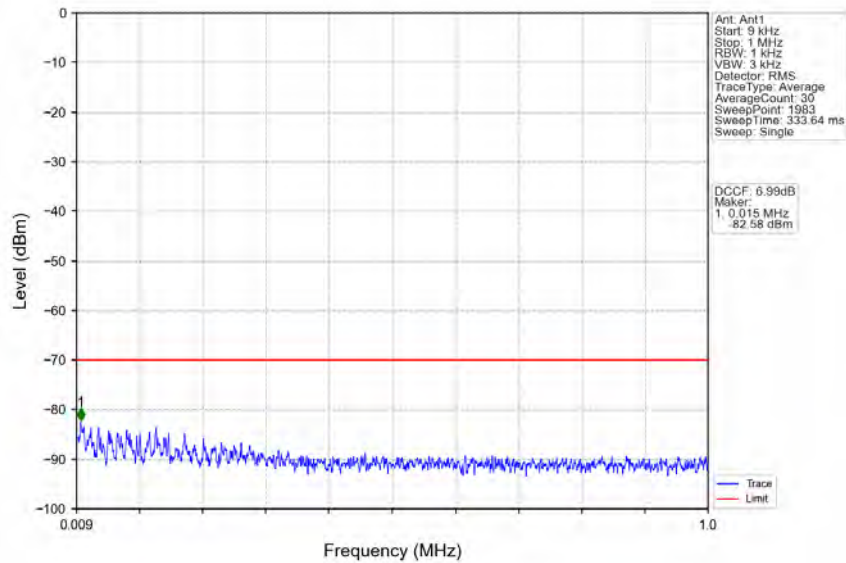
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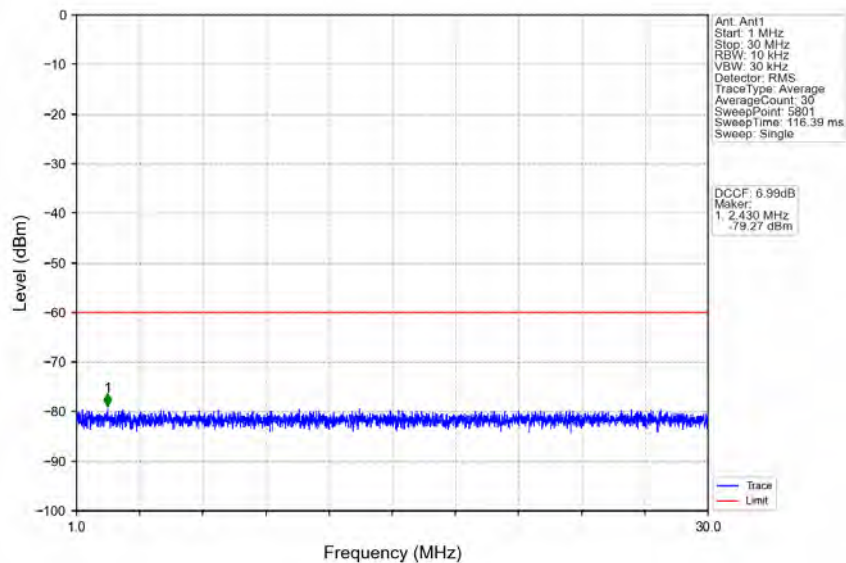
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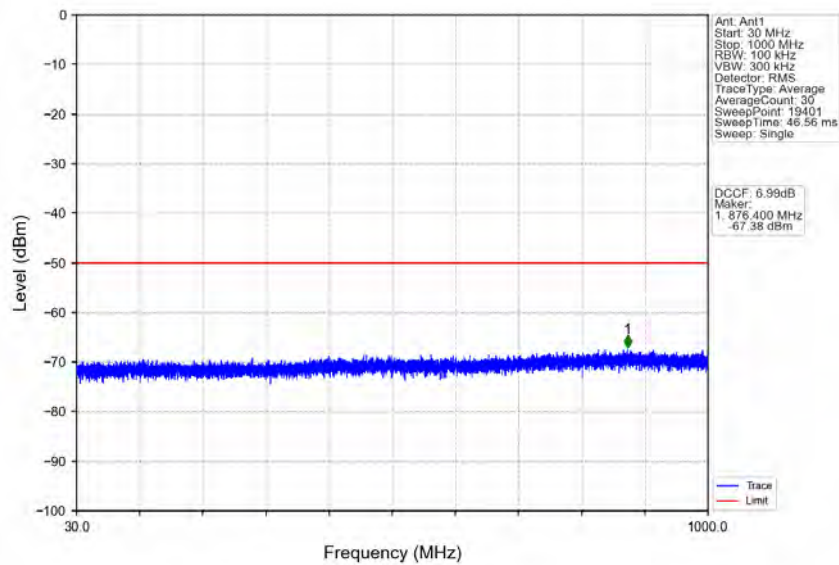
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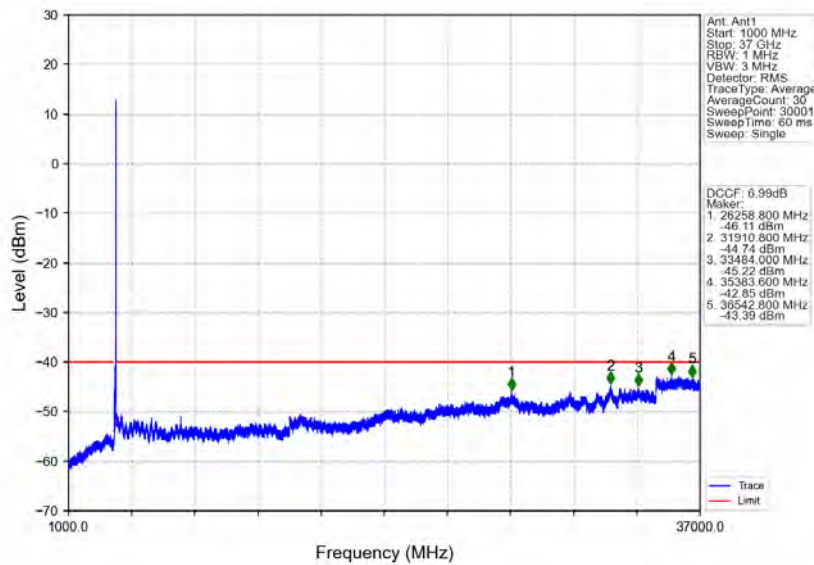
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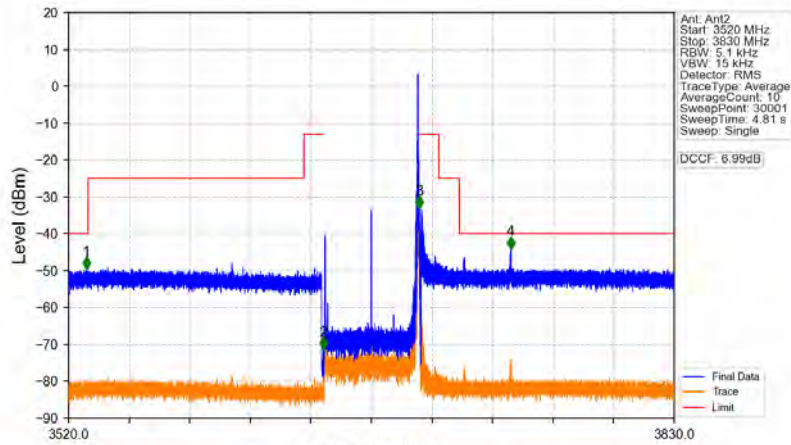
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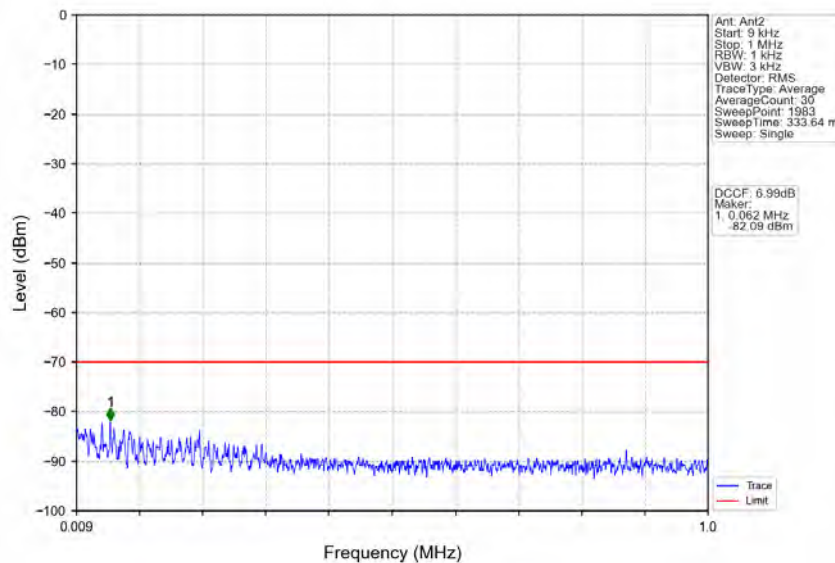
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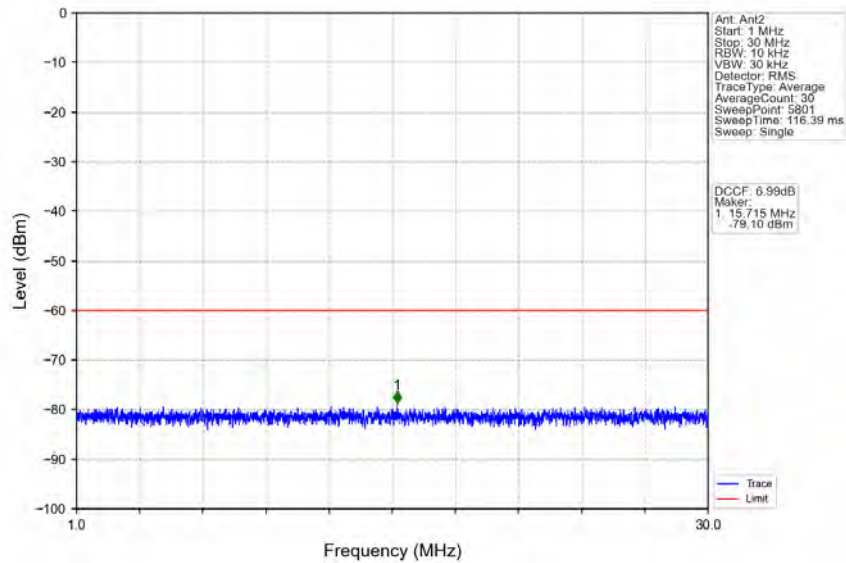
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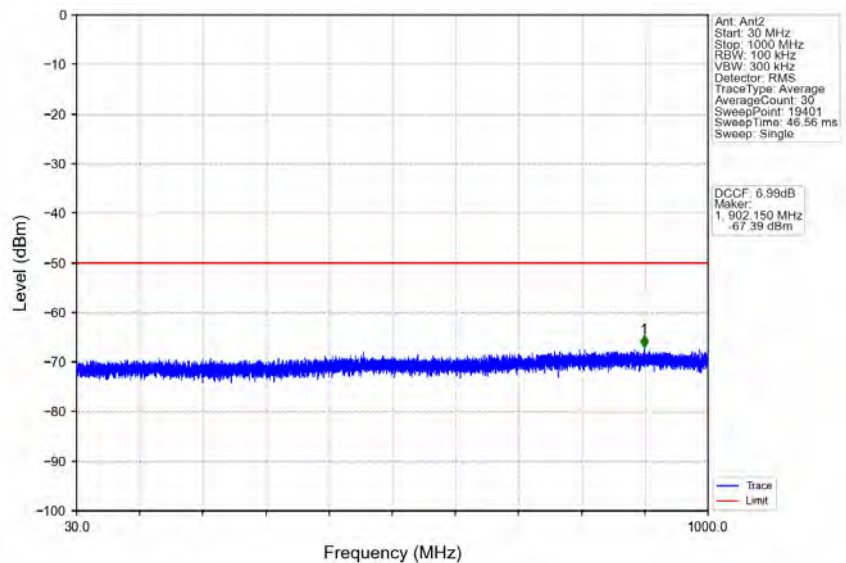
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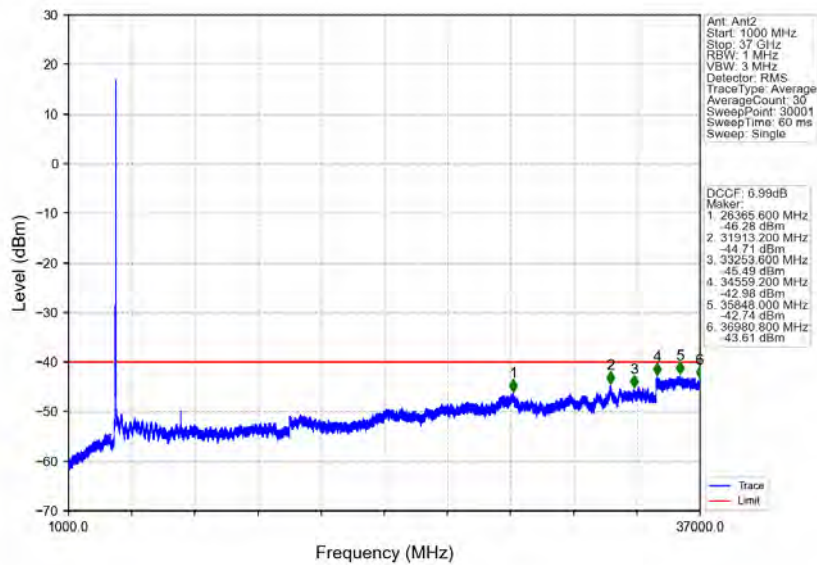
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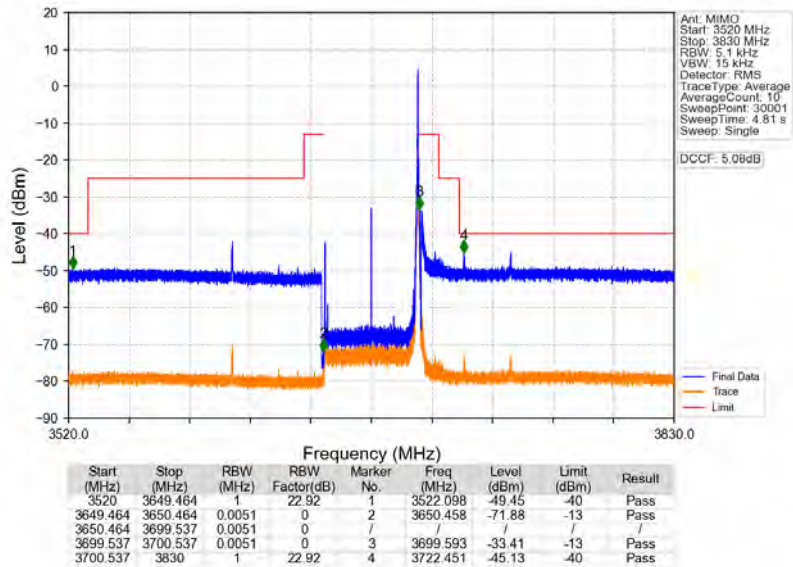
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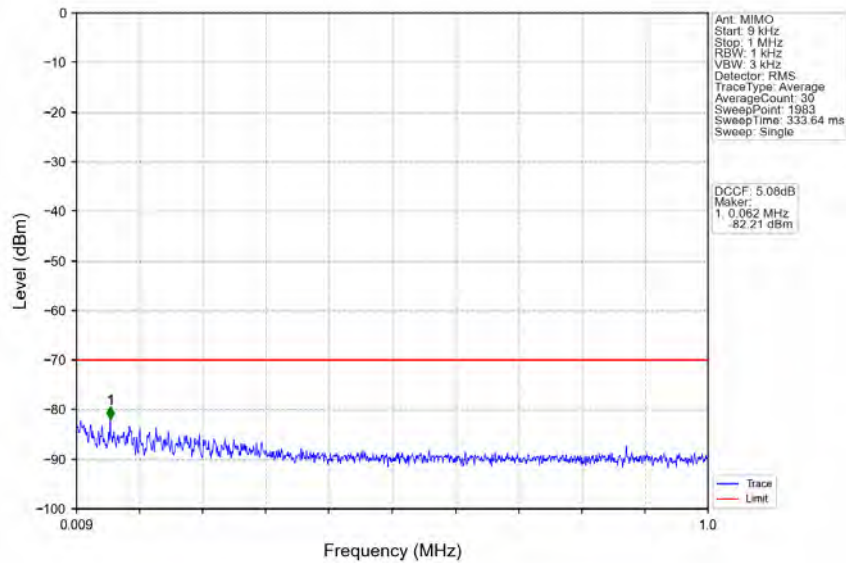
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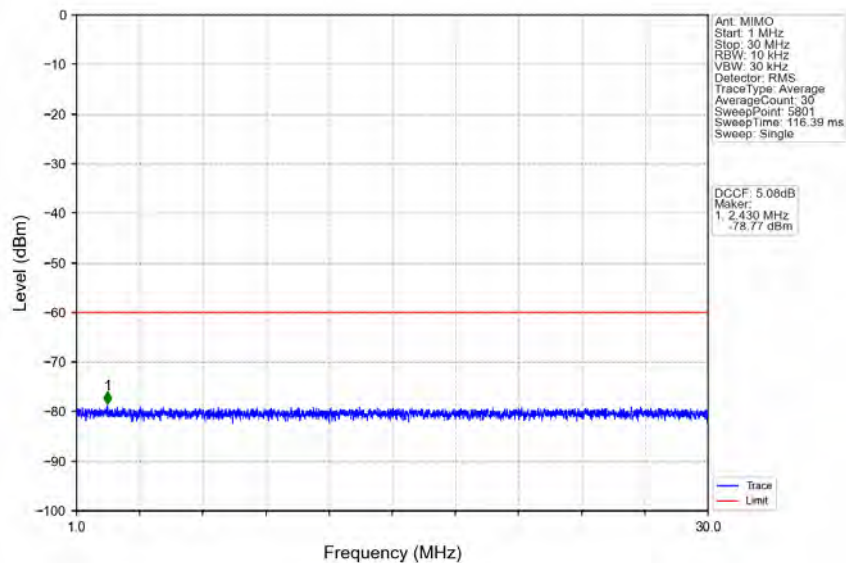
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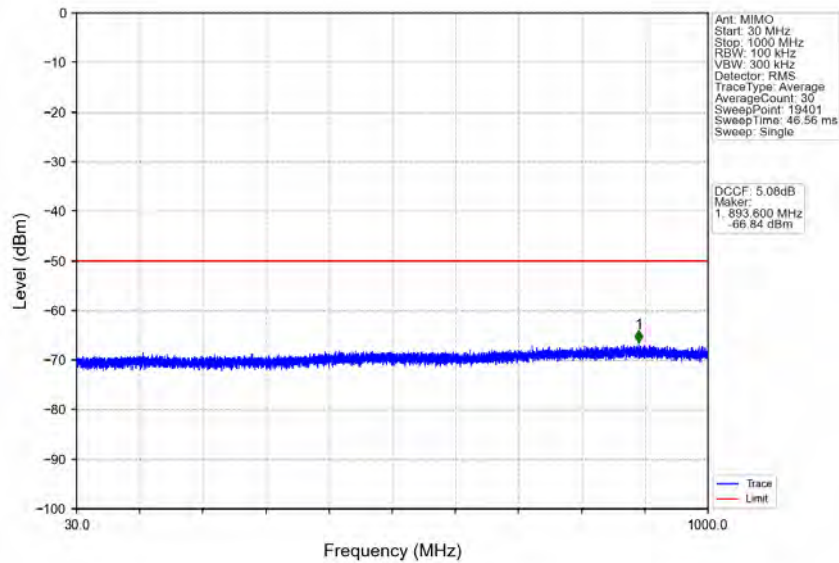
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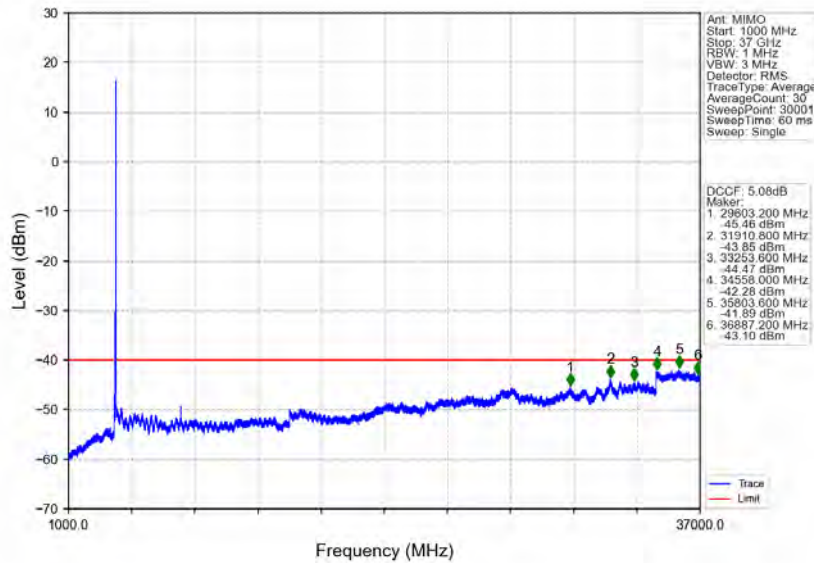
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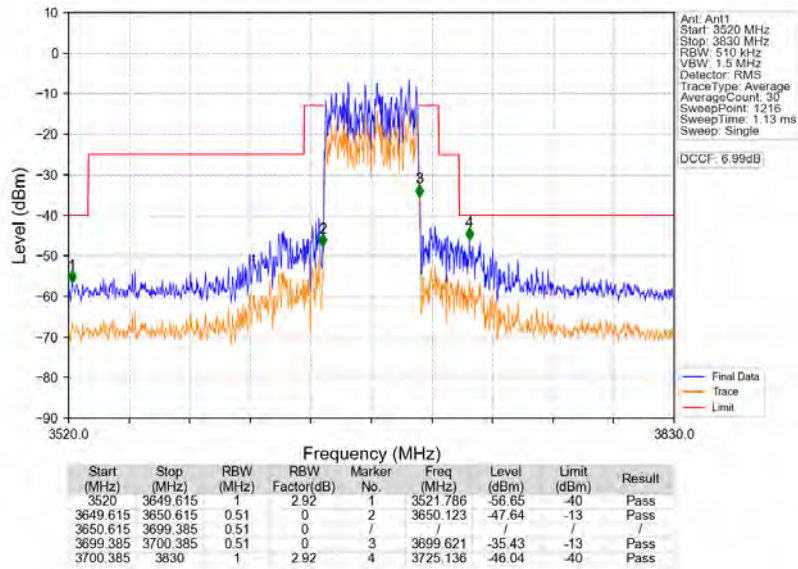
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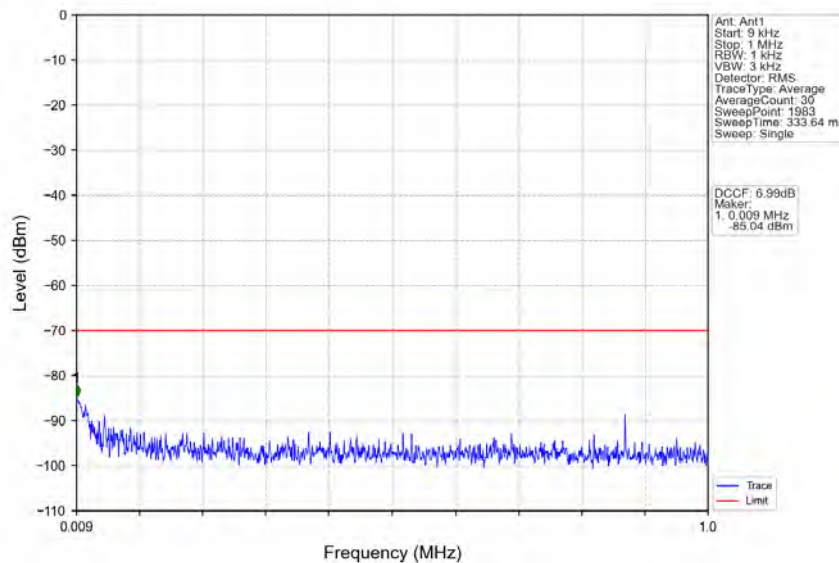
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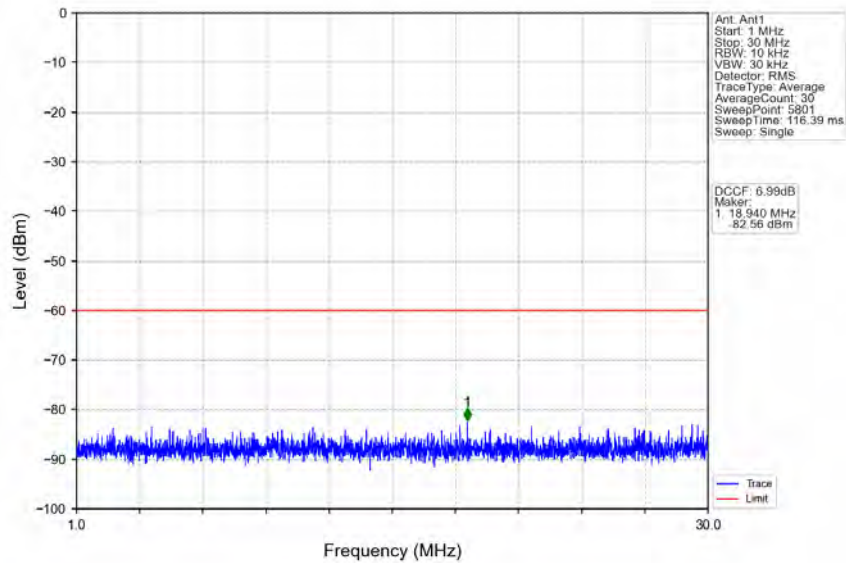
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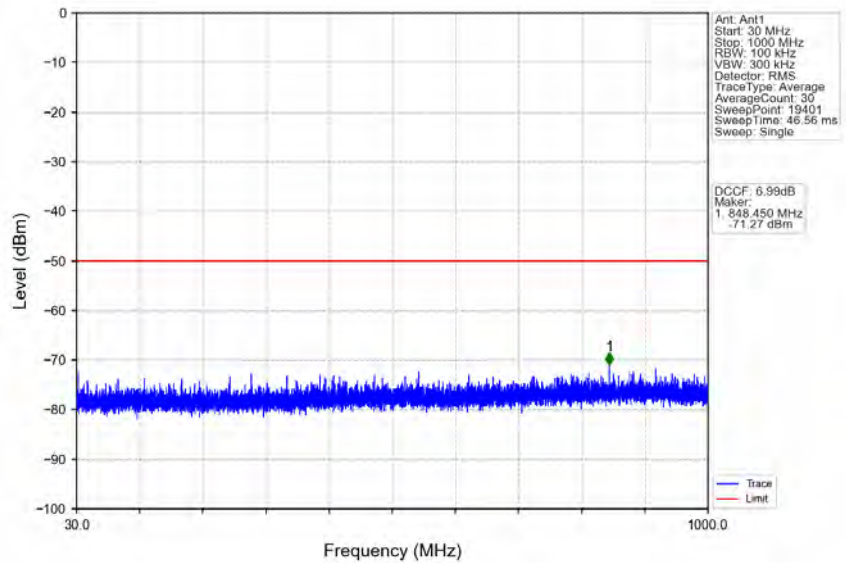
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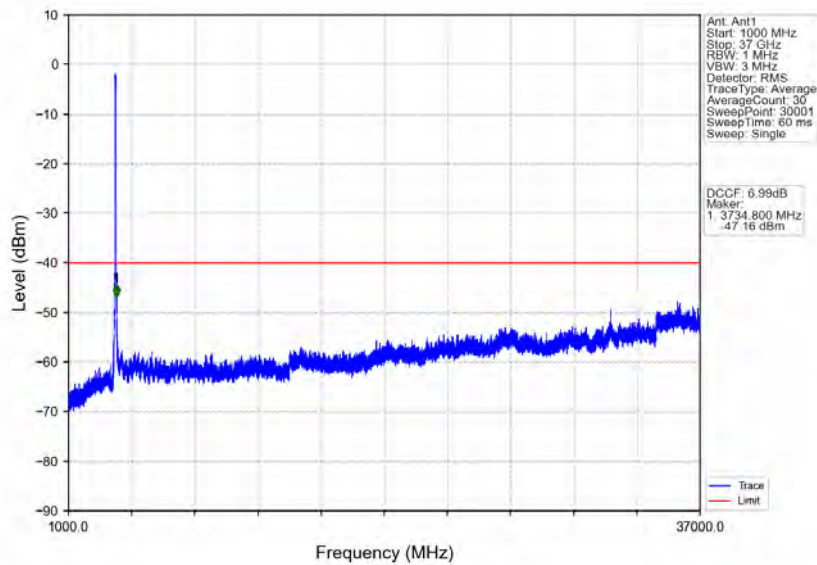
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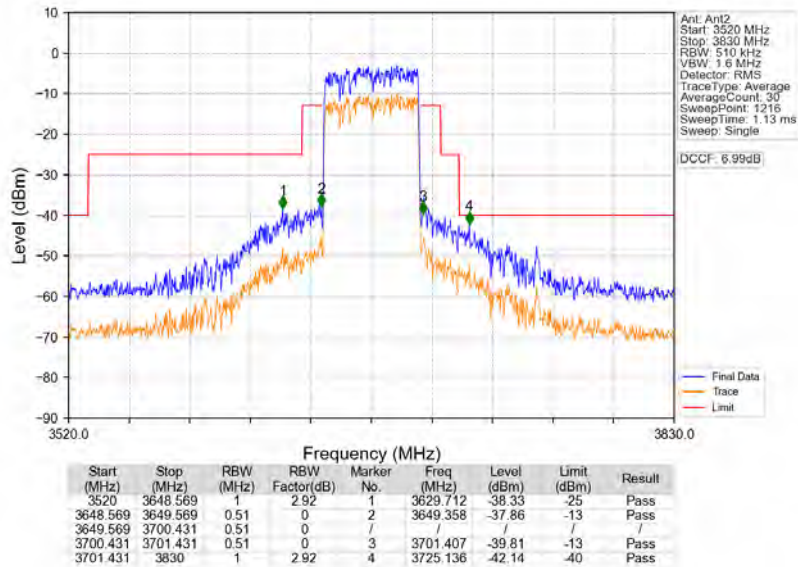
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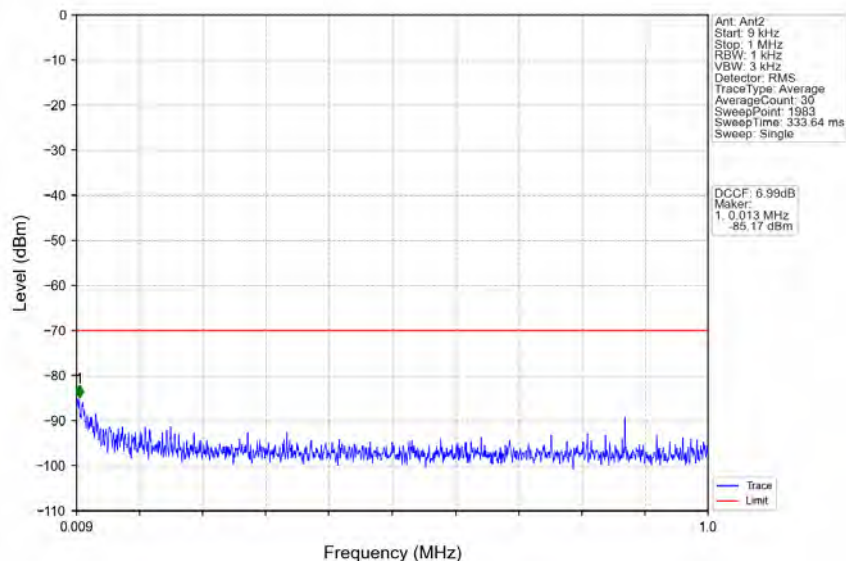
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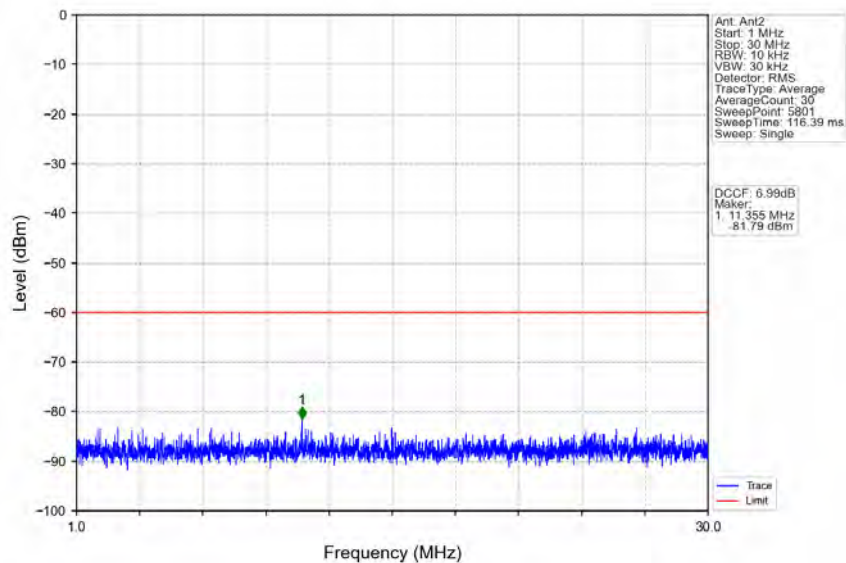
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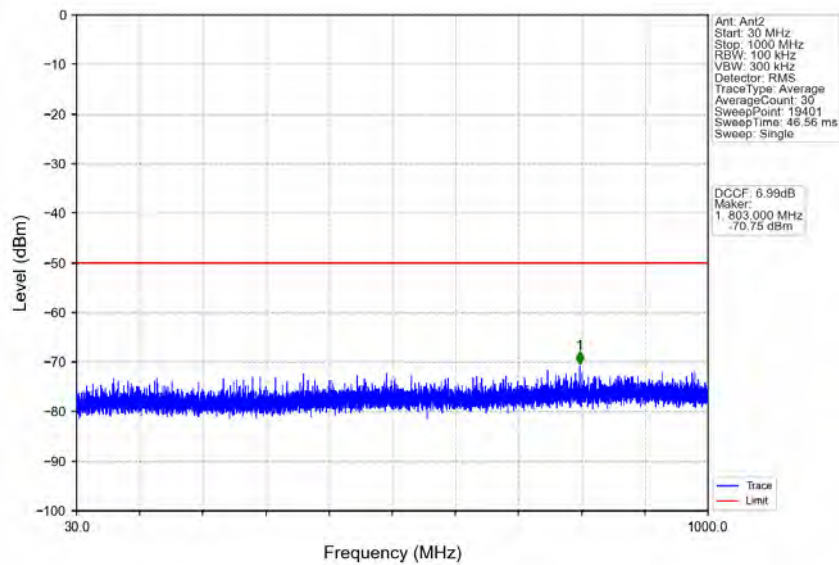
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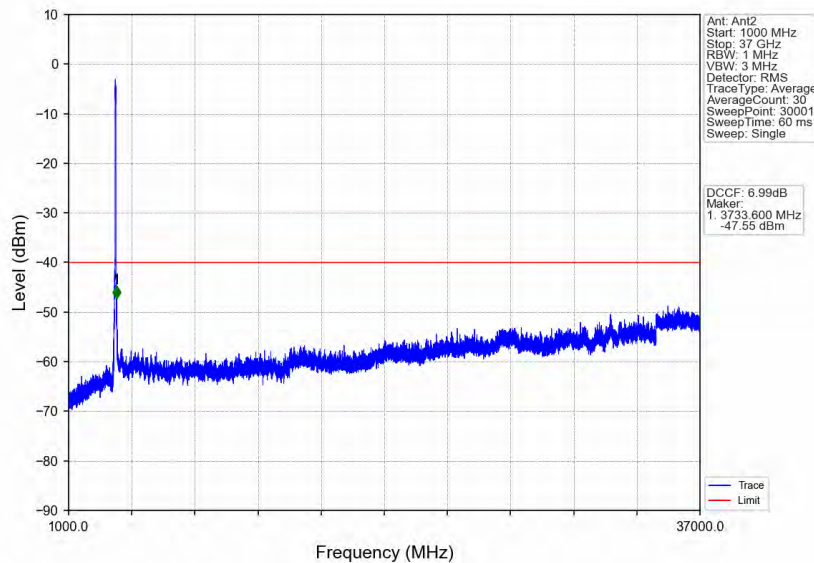
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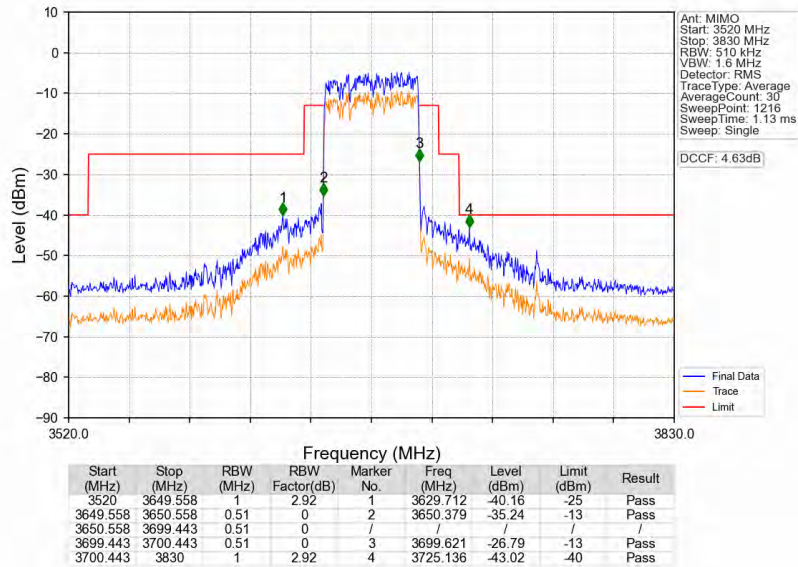
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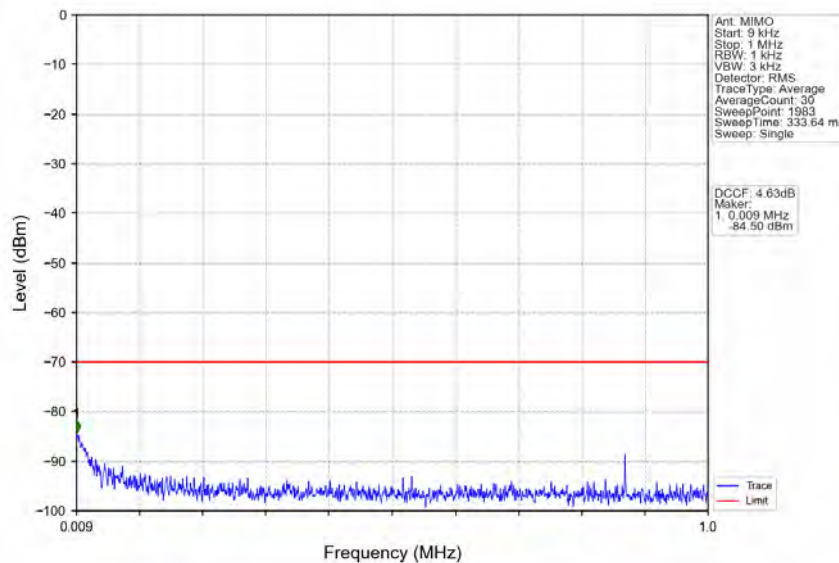
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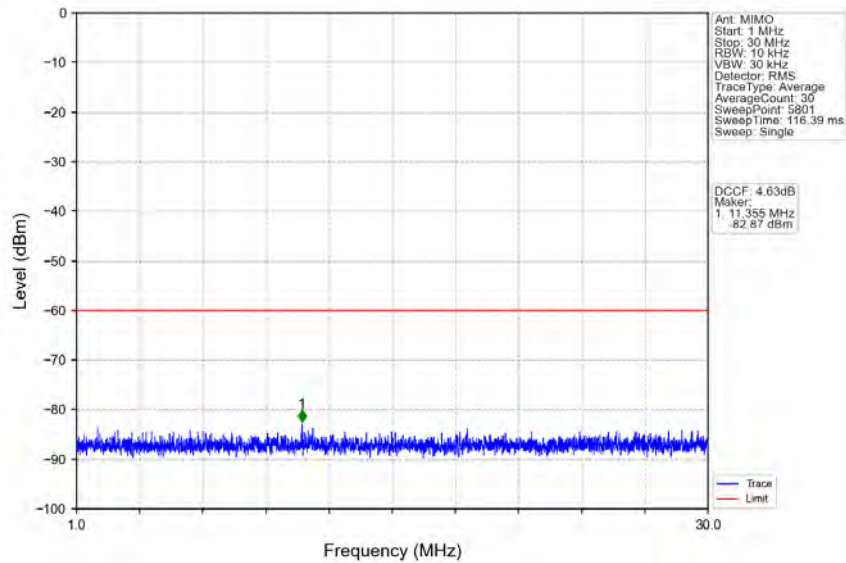
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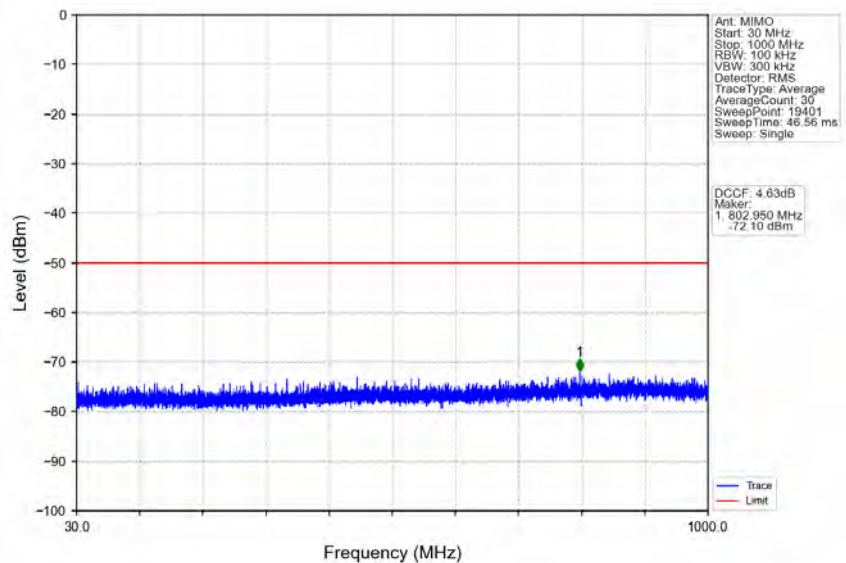


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n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM QPSK_3675MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM QPSK_3675MHz_Outer_Full



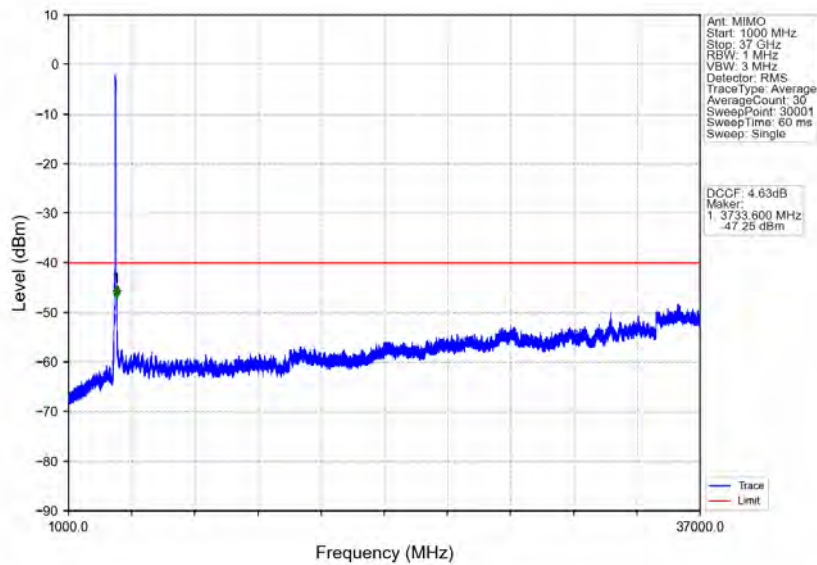
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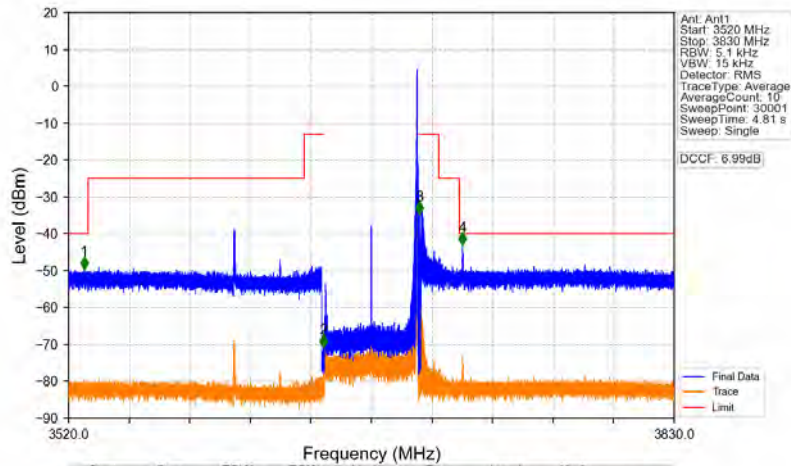
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n78d_30kHz_MIMO_NTNV_50MHz_CP-OFDM QPSK_3675MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3649.558	1	22.92	1	3527.977	-49.69	-40	Pass
3649.558	3650.558	0.0051	0	2	3650.479	-70.88	-13	Pass
3650.558	3699.443	0.0051	0	/	/	/	/	/
3699.443	3700.443	0.0051	0	3	3699.480	-34.70	-13	Pass
3700.443	3830	1	22.92	4	3721.707	-43.05	-40	Pass



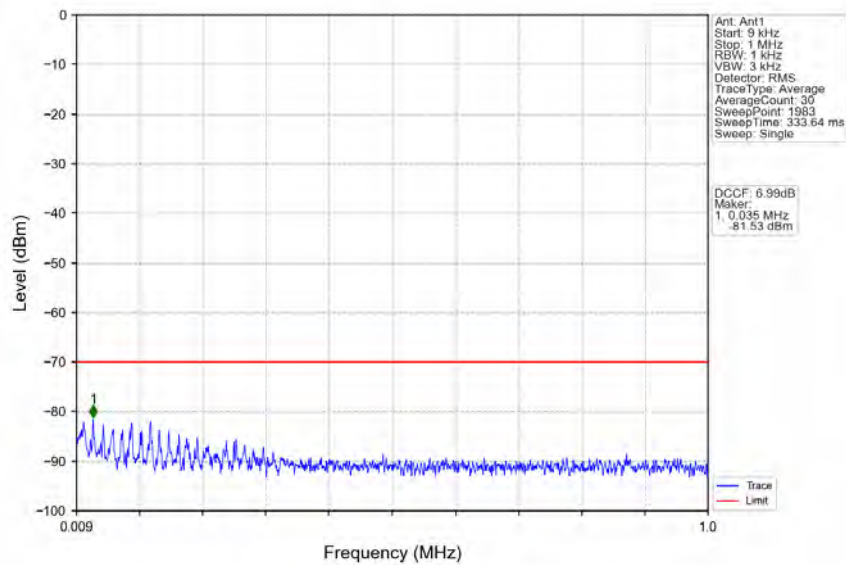
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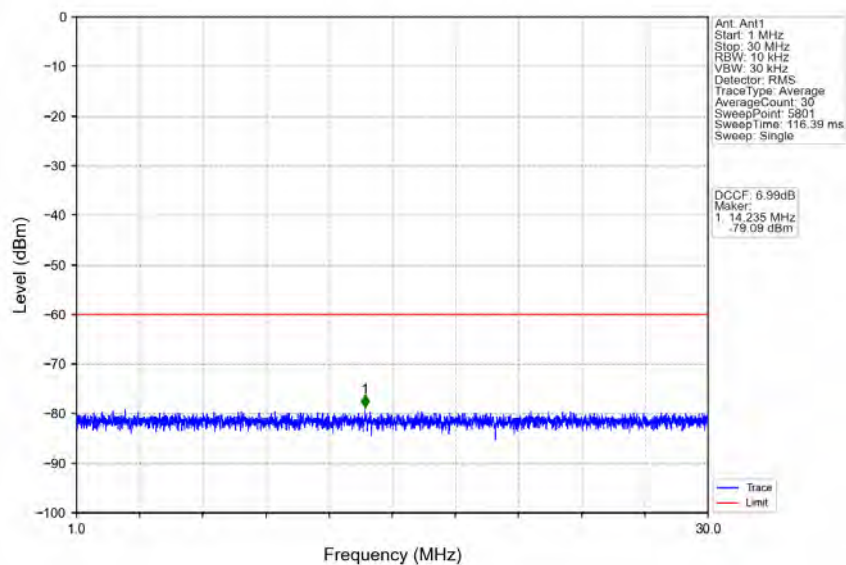
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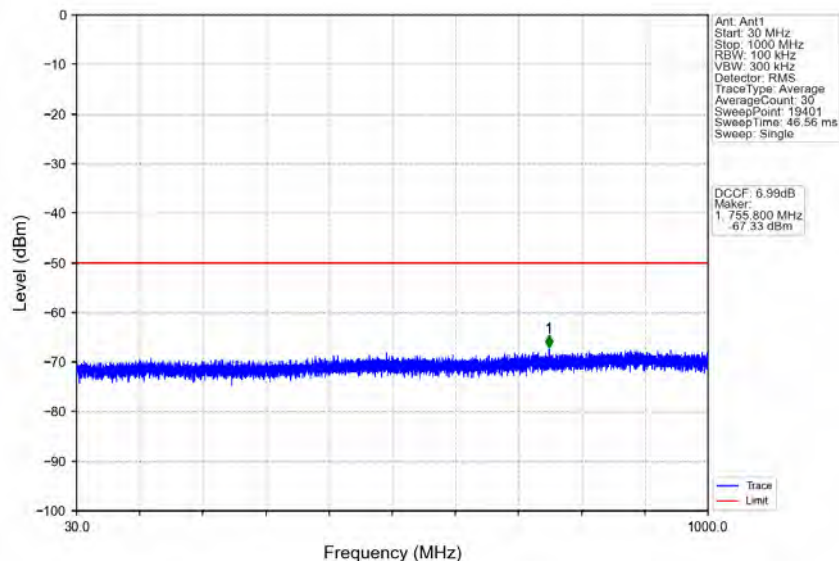
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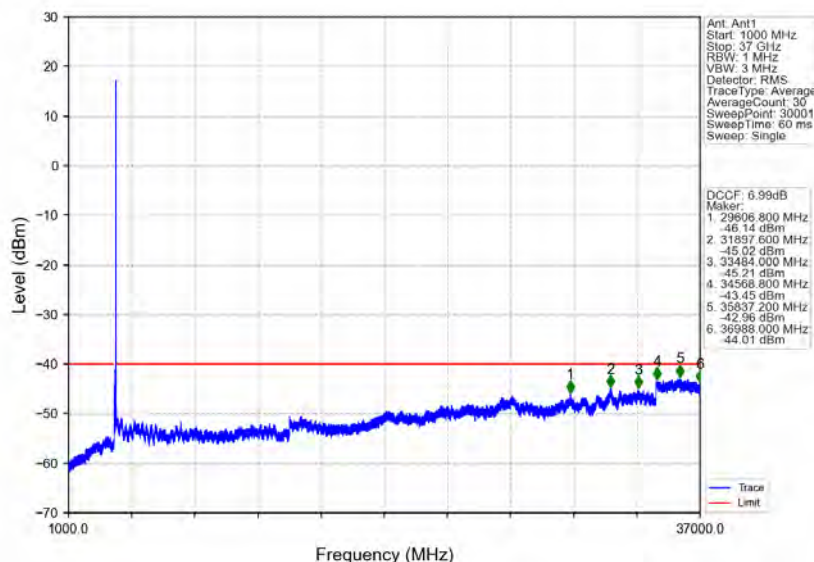
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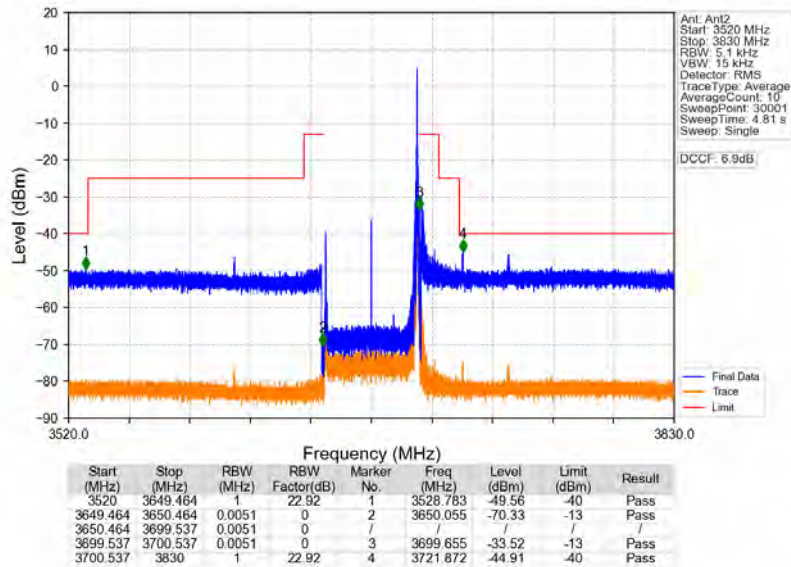
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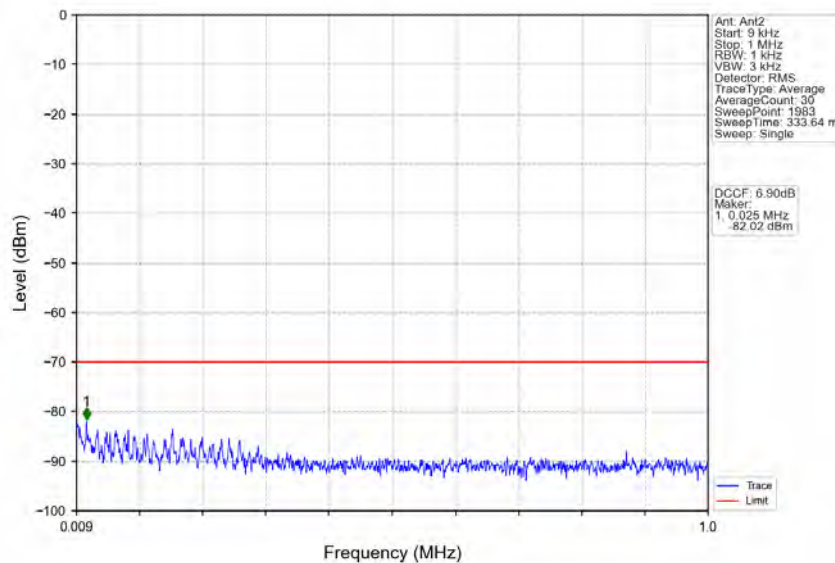
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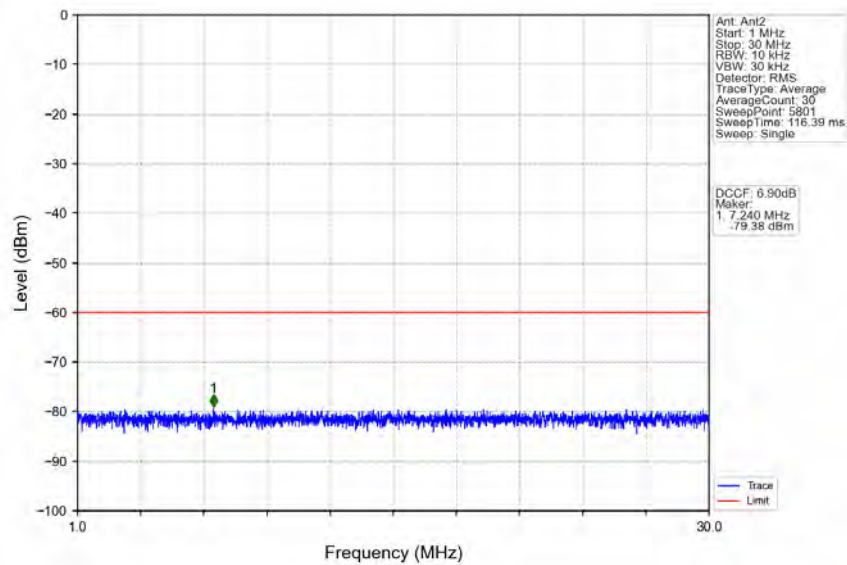
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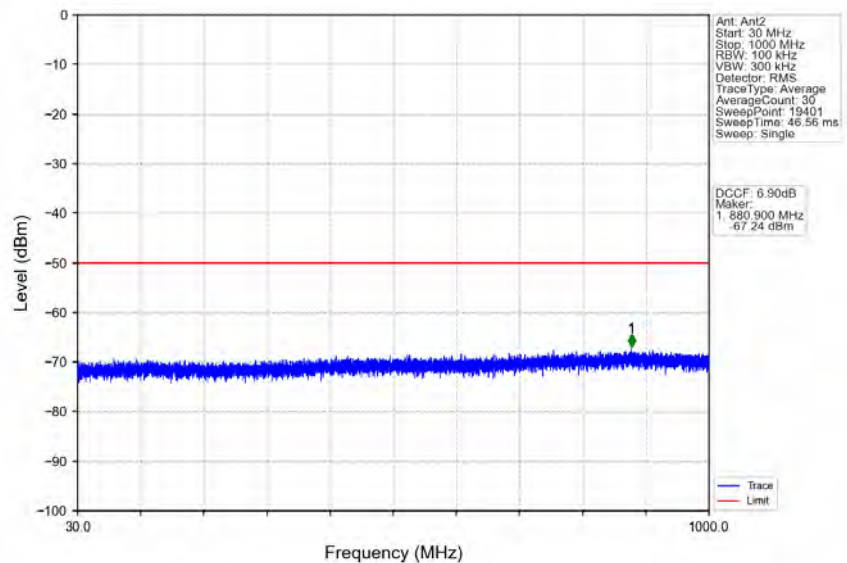
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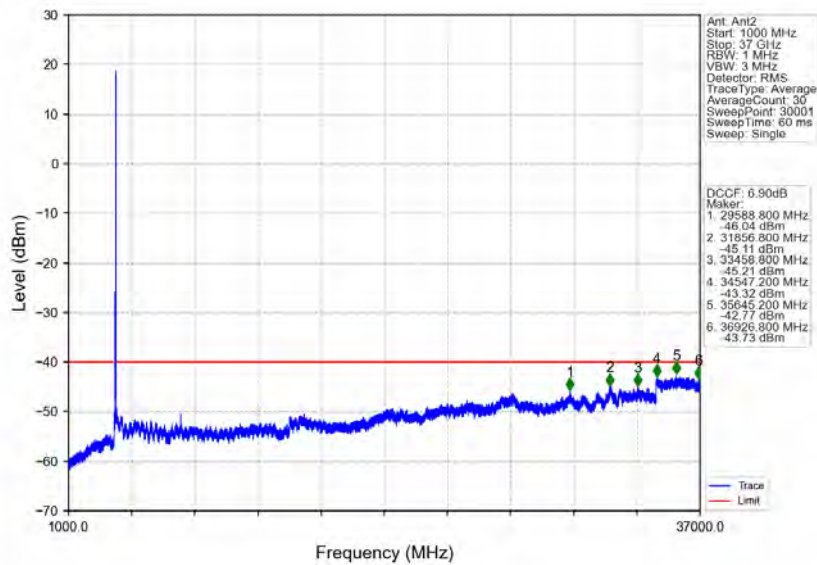
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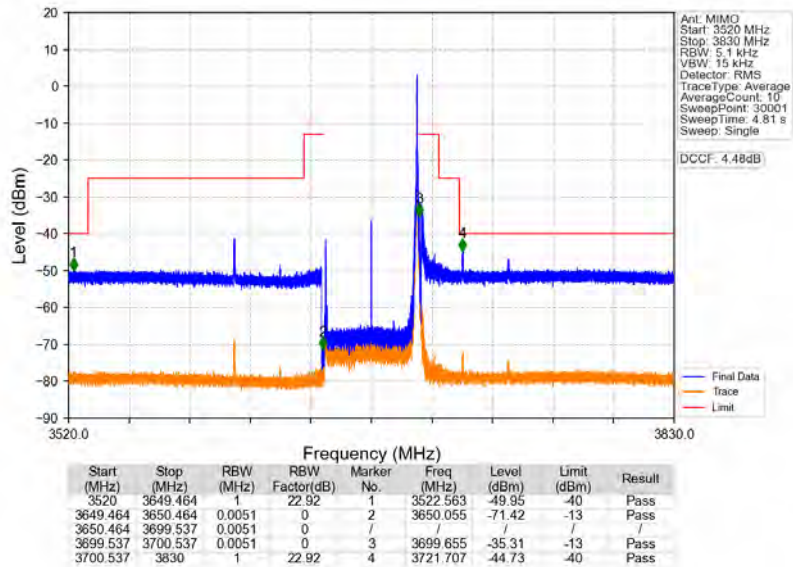
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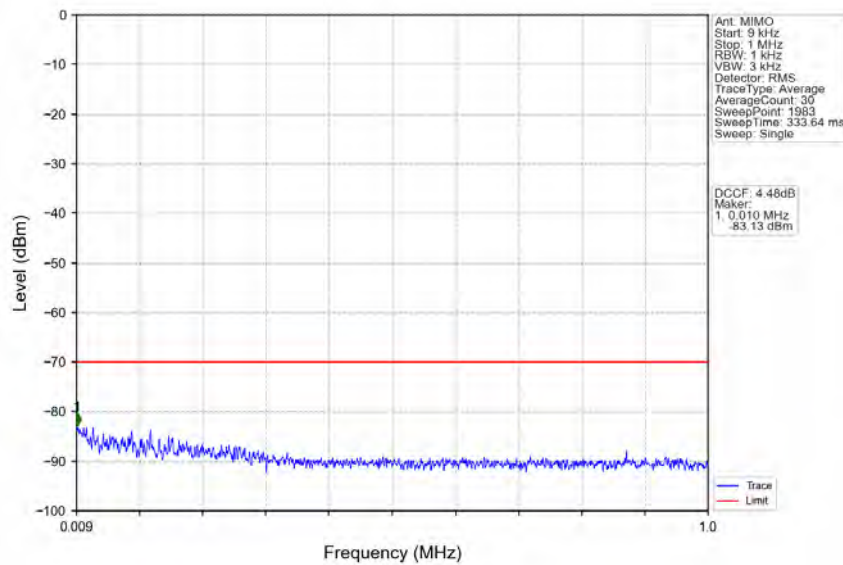
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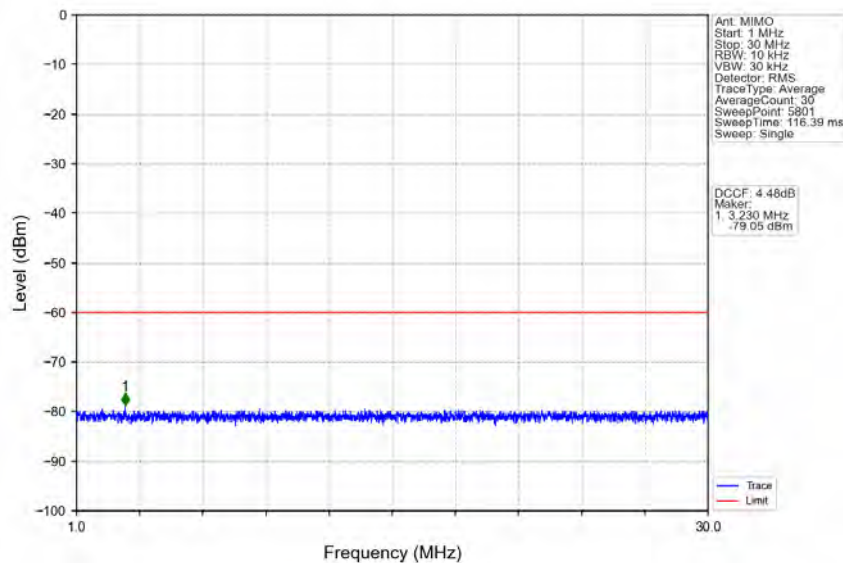
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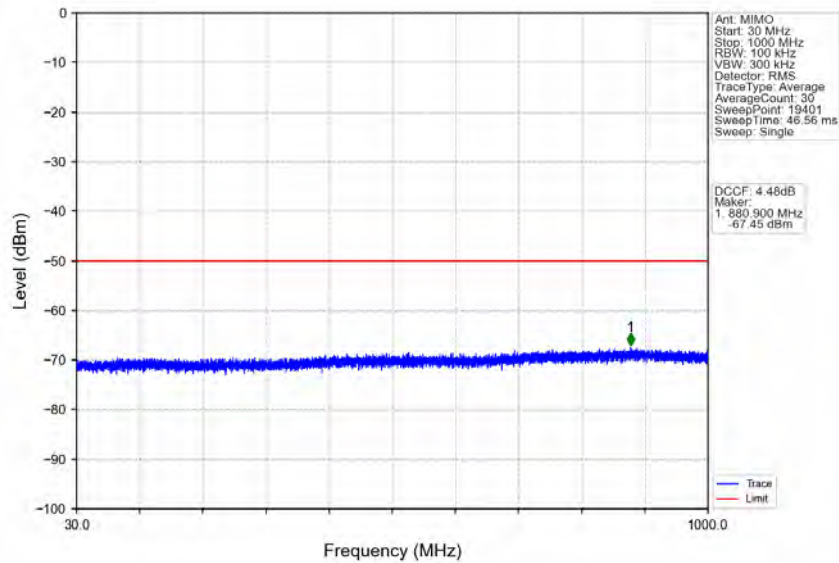
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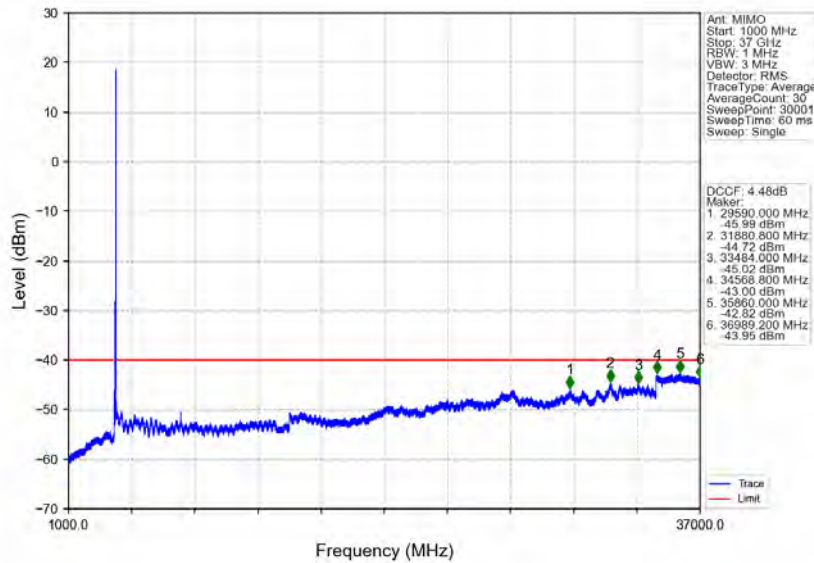
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6.7 30k_MIMO_60MHz_NTNV

6.7.1 Test Result

5G NR n78d SCS=30kHz MIMO 60MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3580.02	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
	3669.99	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			

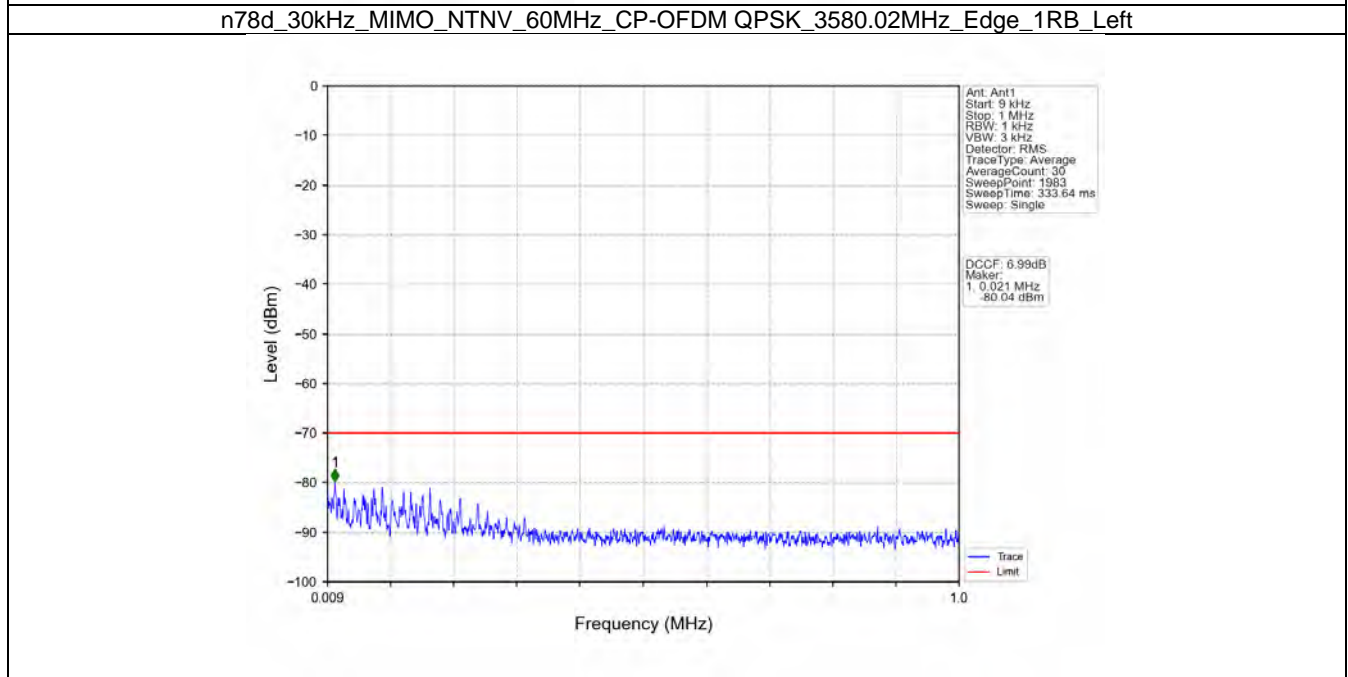
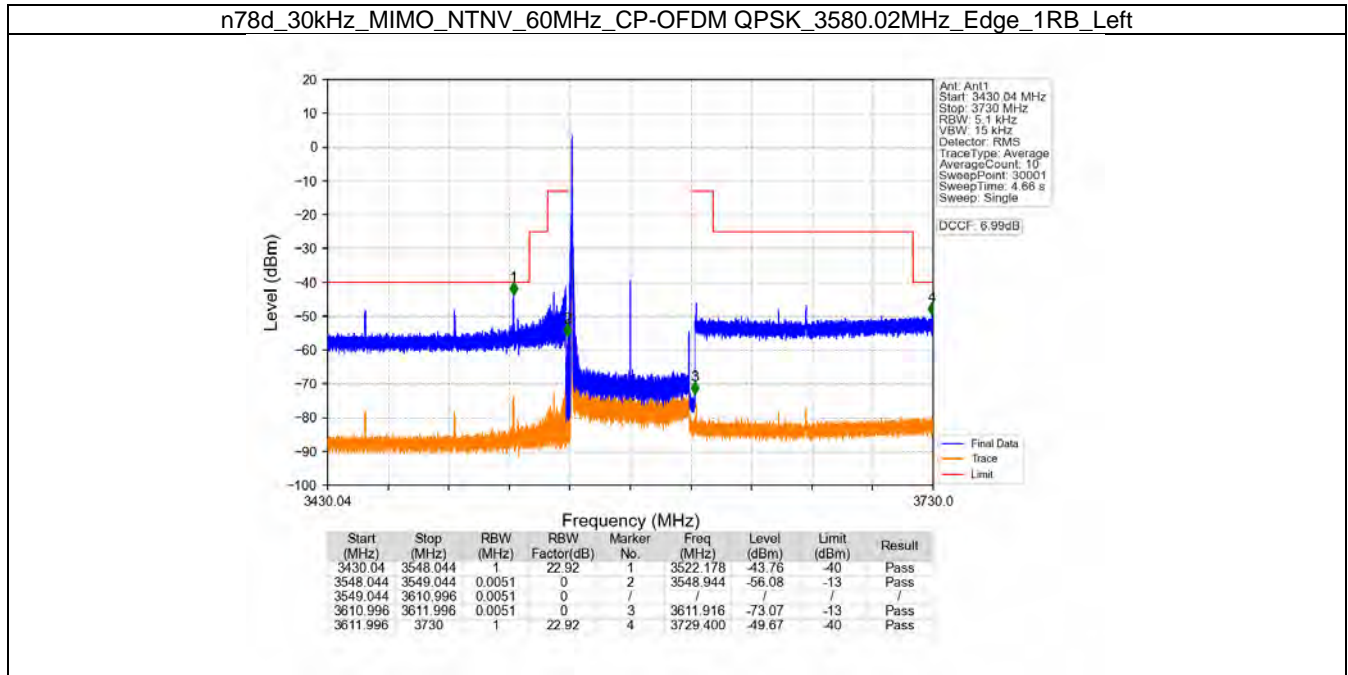


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6.7.2 Test Graph



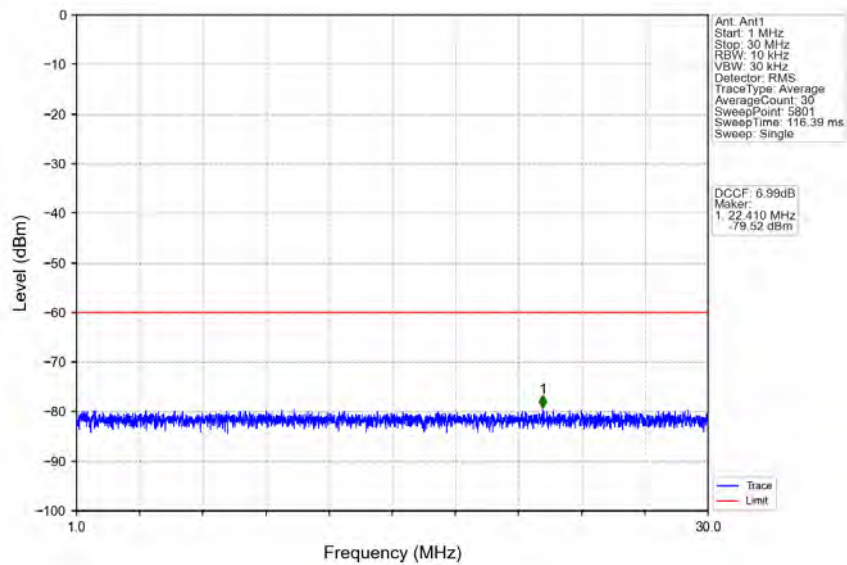
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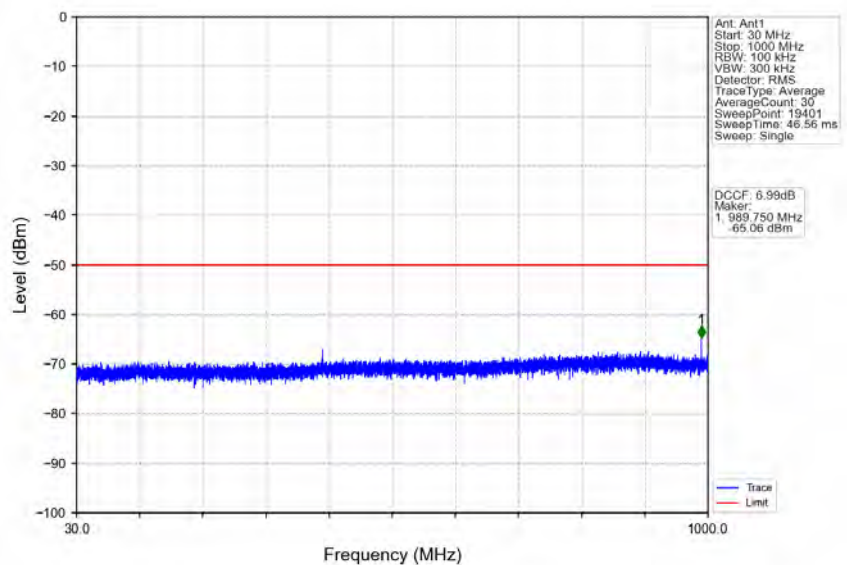
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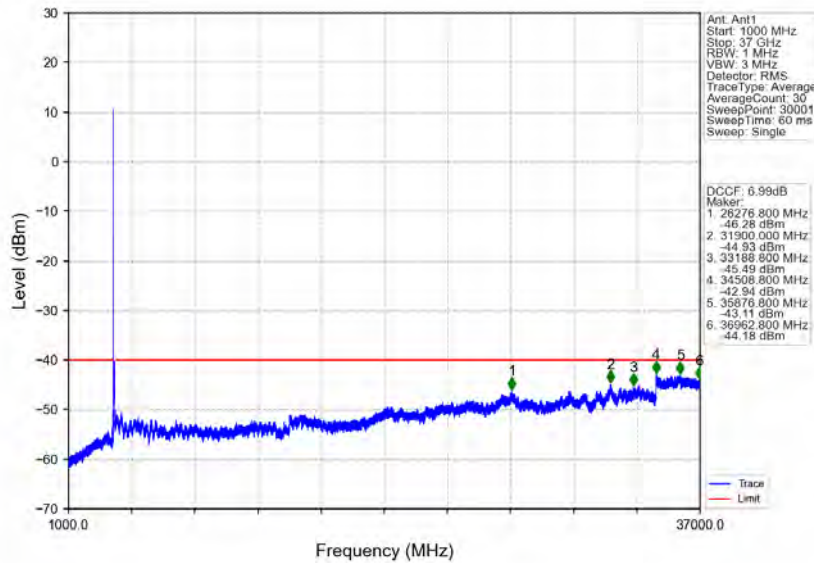
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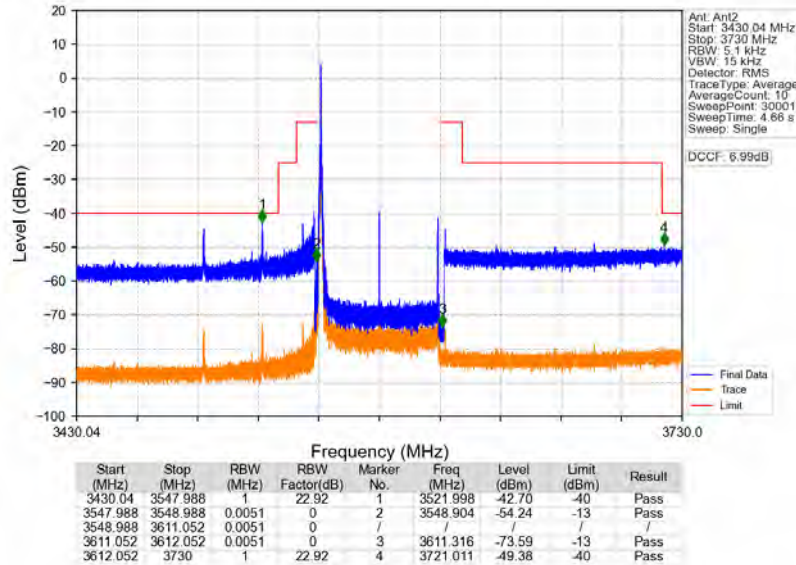
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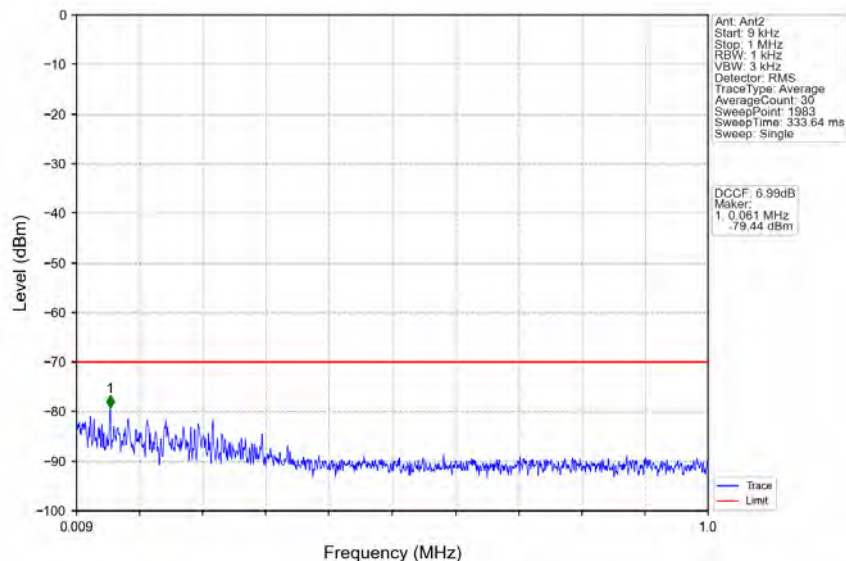
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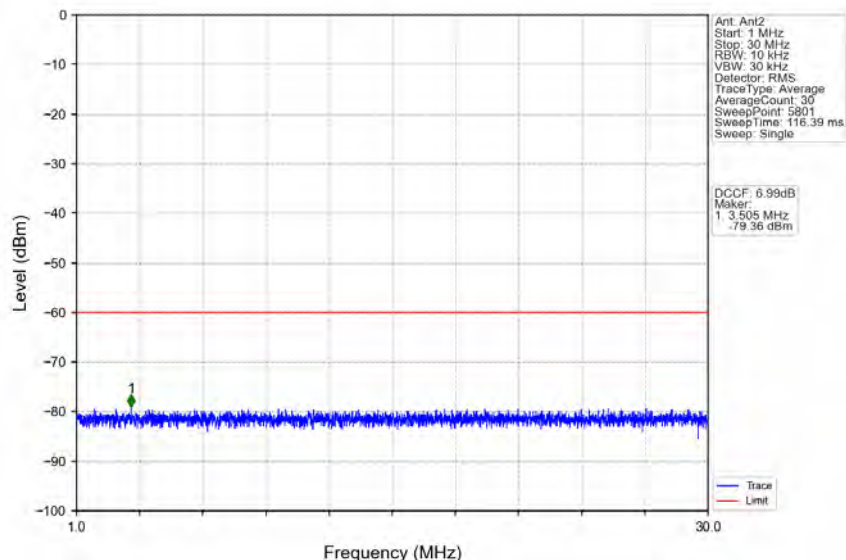
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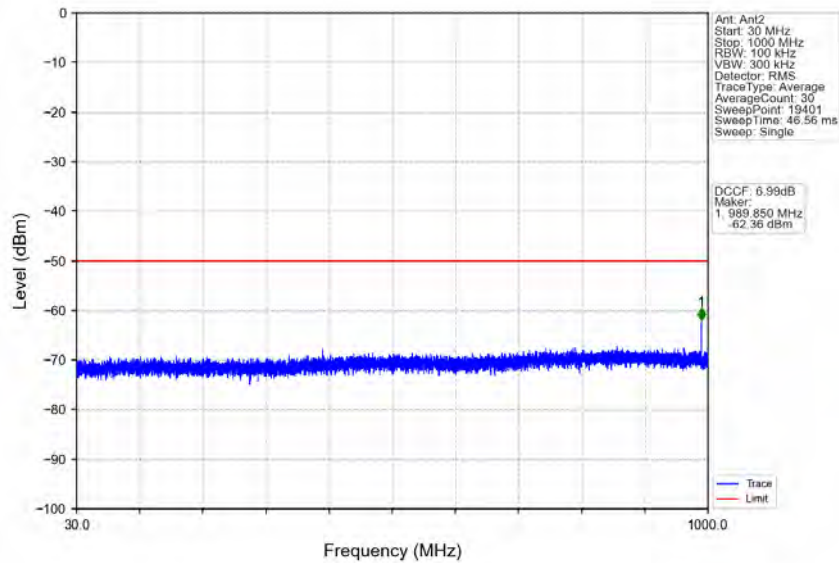
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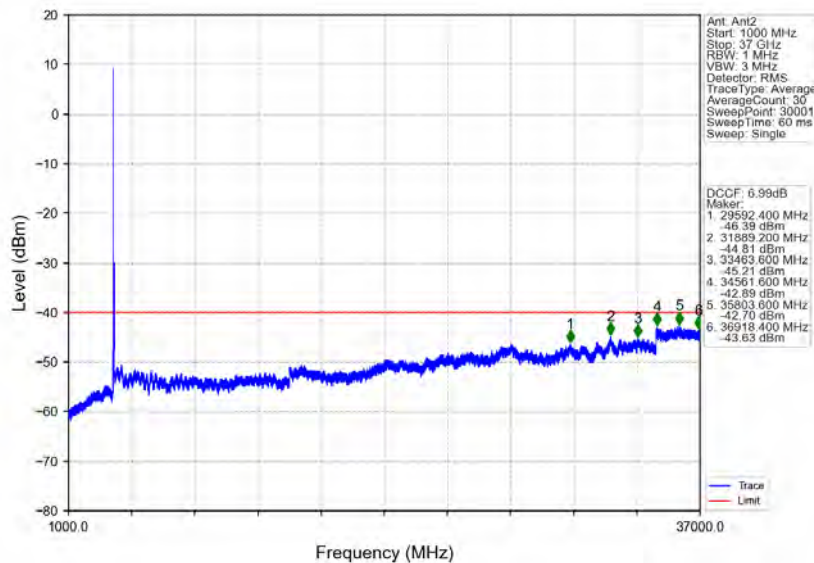
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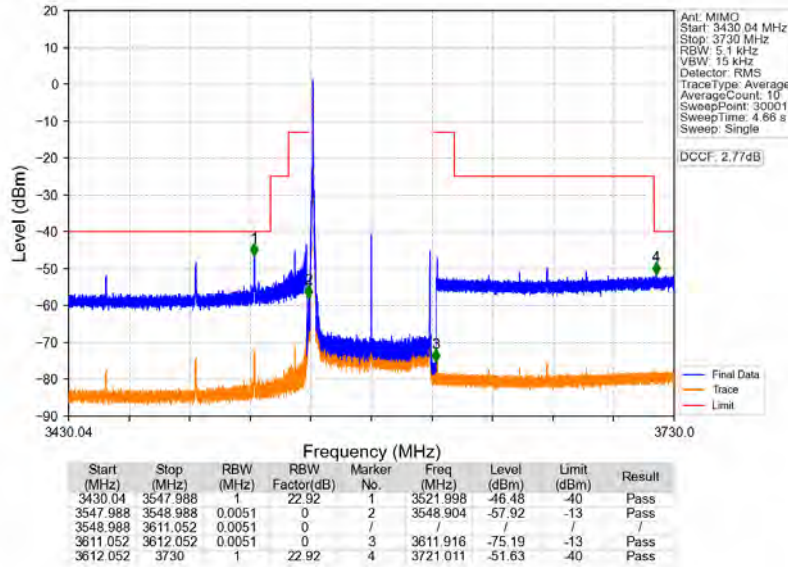
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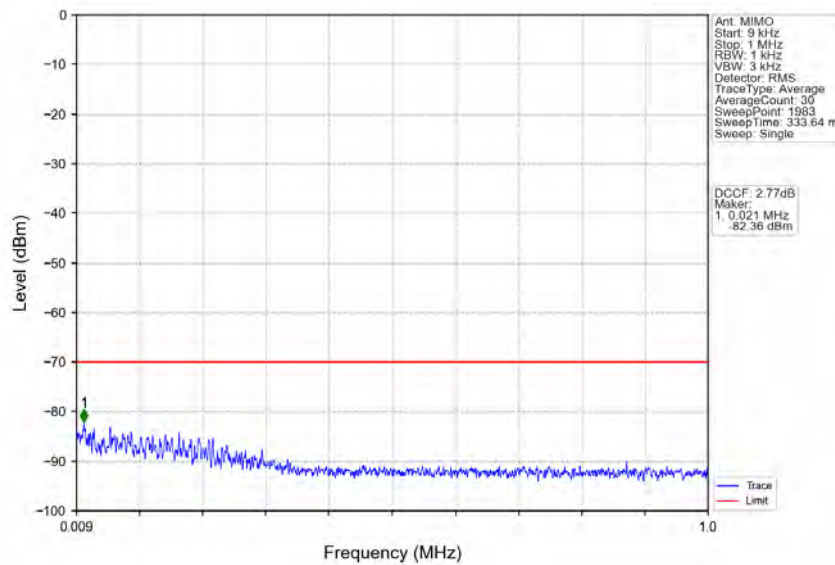
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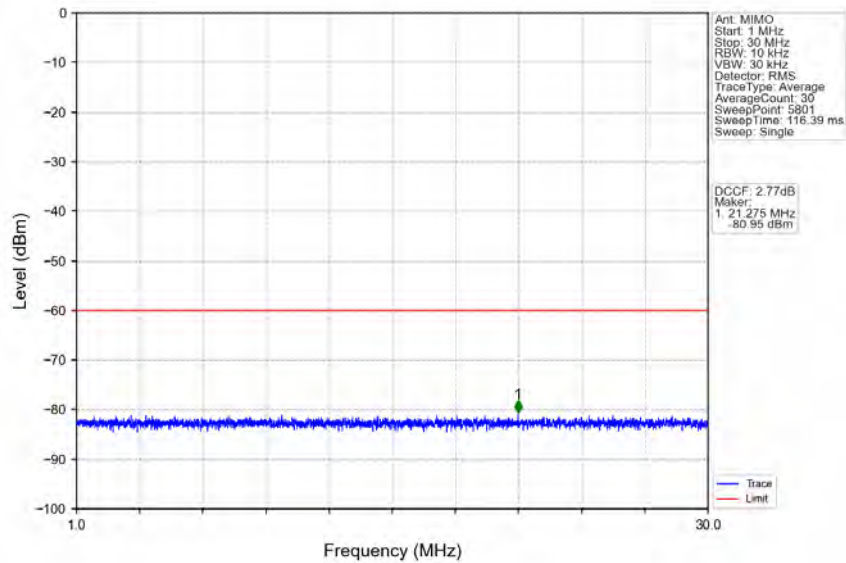
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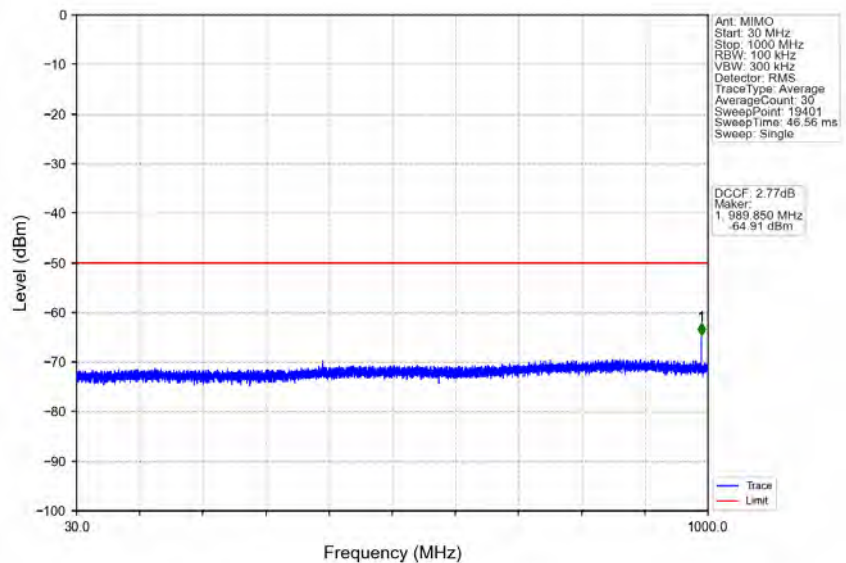


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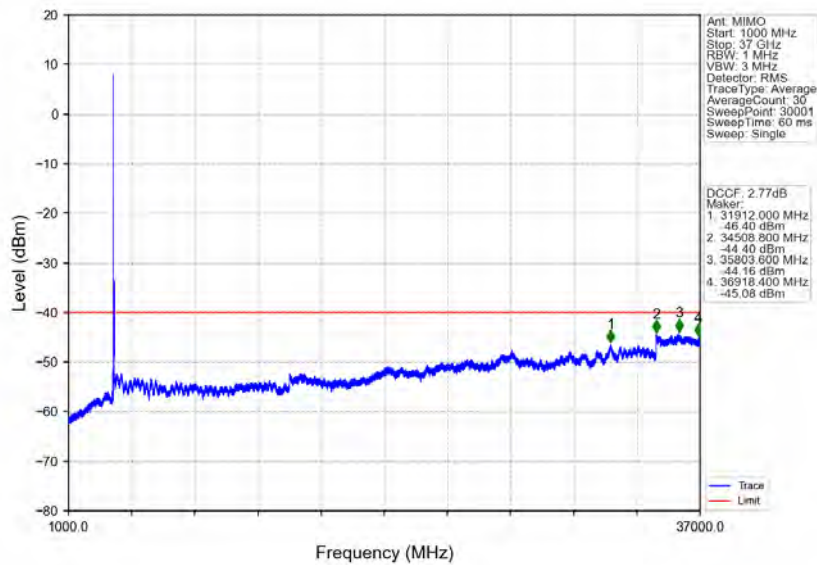
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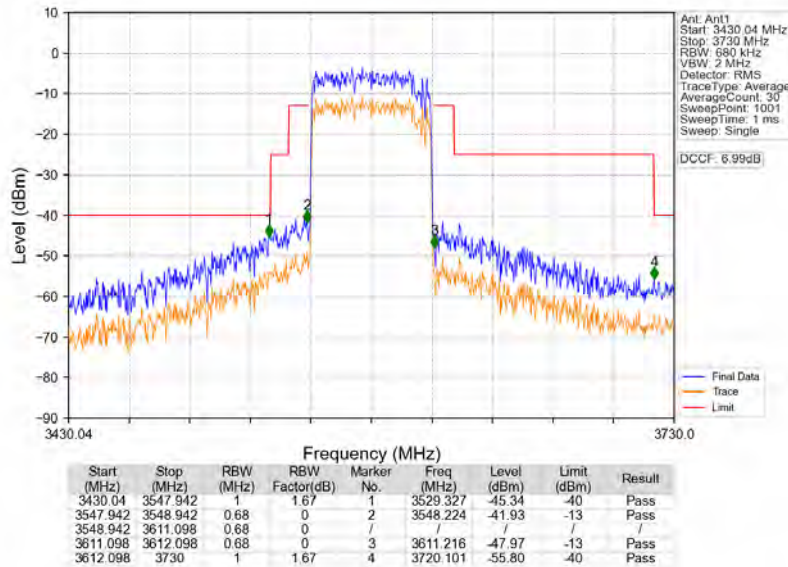
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