

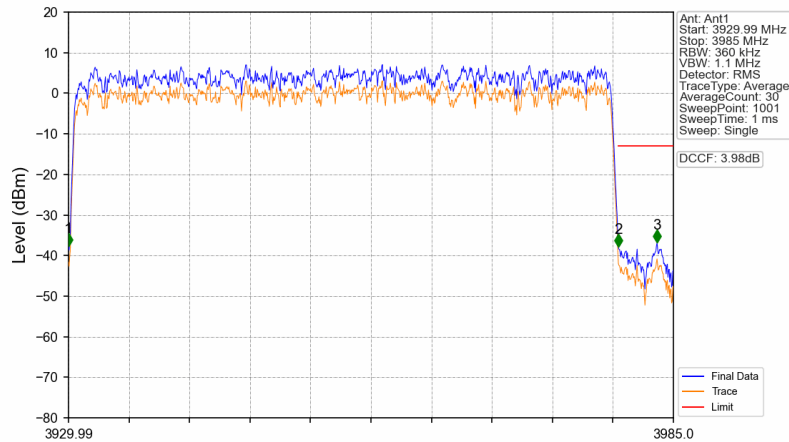


Report No.: SEWM2311000456RG02

Rev.: 01

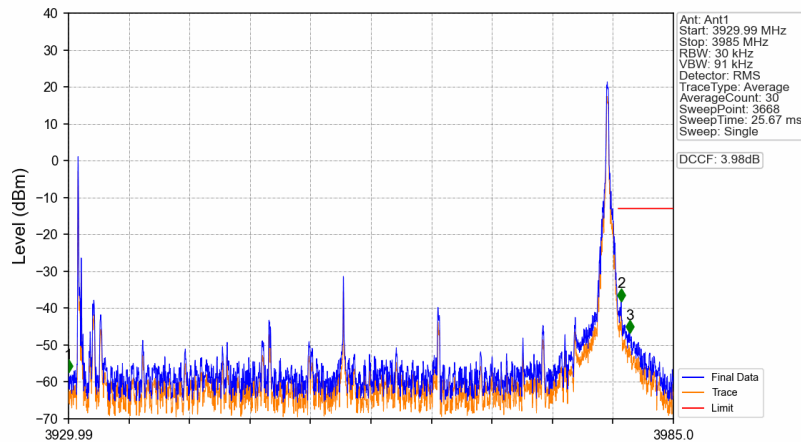
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n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3954.99MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3929.99	3979.99	0.36	/	1	3929.990	-37.67	-13	Pass
3979.99	3979.99	0.36	/	/	/	/	/	/
3979.99	3980.99	0.36	/	2	3979.994	-37.91	-13	Pass
3980.99	3984.99	0.5	/	3	3983.515	-36.85	-13	Pass

n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3954.99MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3929.99	3979.99	0.03	/	1	3929.990	-57.43	-13	Pass
3979.99	3979.99	0.03	/	/	/	/	/	/
3979.99	3980.99	0.03	/	2	3980.245	-38.09	-13	Pass
3980.99	3984.99	0.5	/	3	3981.025	-46.81	-13	Pass



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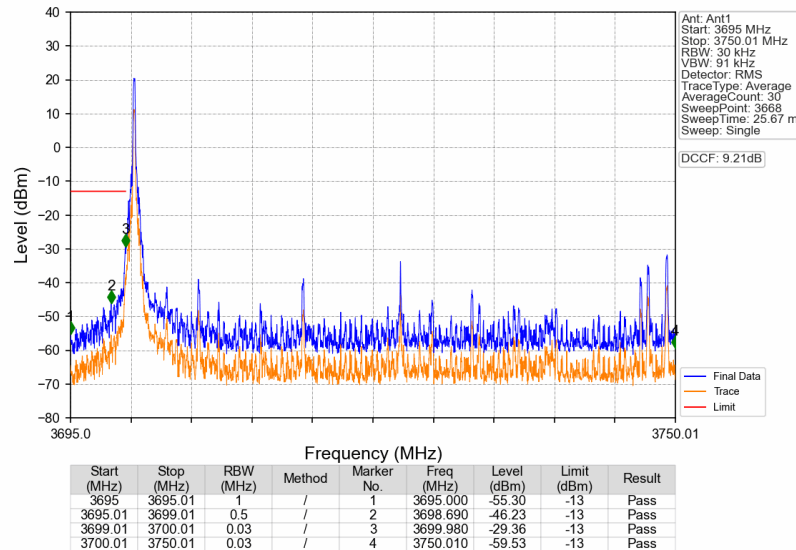


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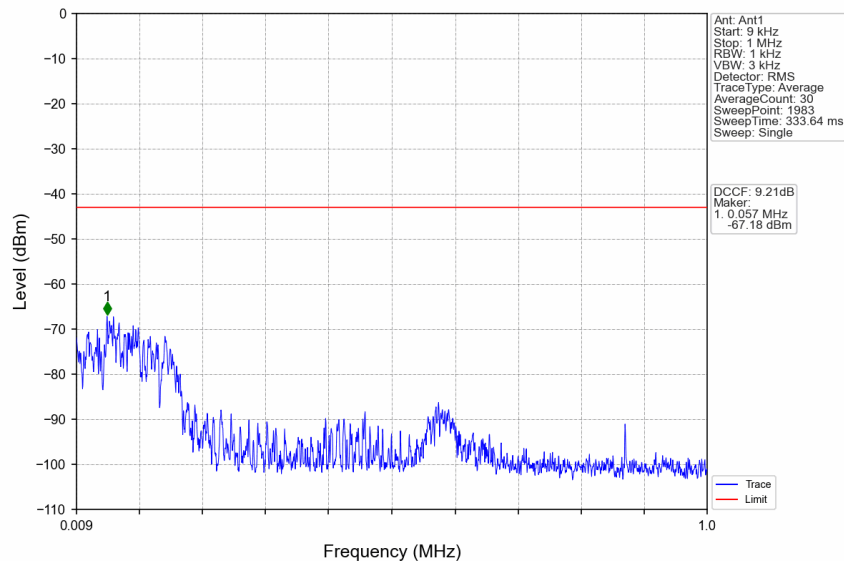
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n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3725.01MHz_Edge_1RB_Left



n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3725.01MHz_Edge_1RB_Left



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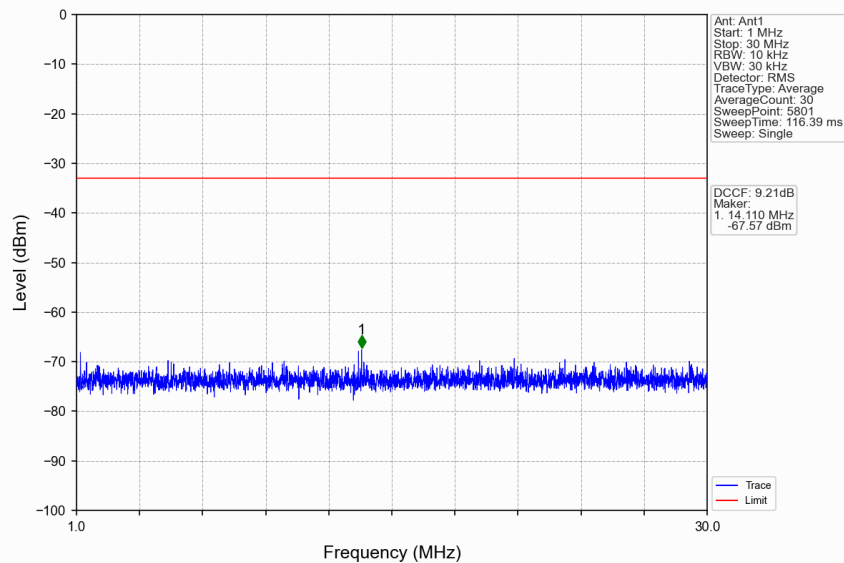


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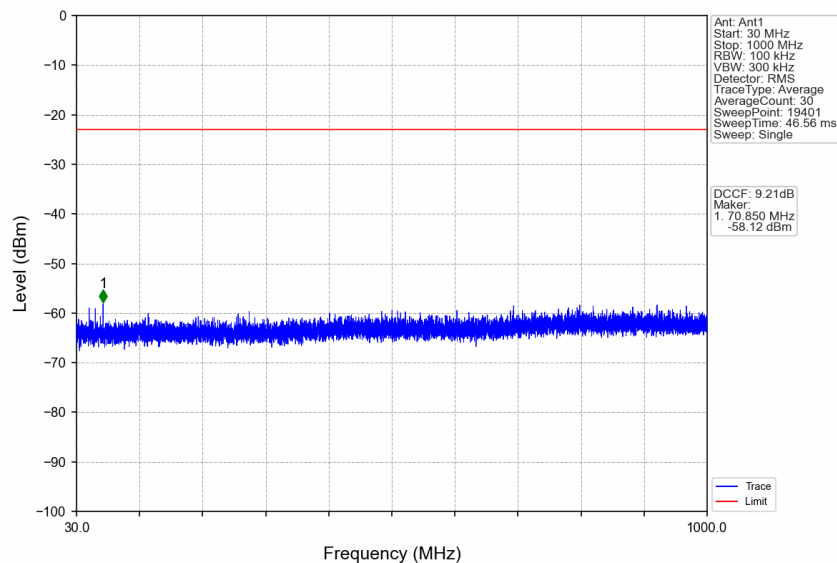
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n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3725.01MHz_Edge_1RB_Left



n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3725.01MHz_Edge_1RB_Left



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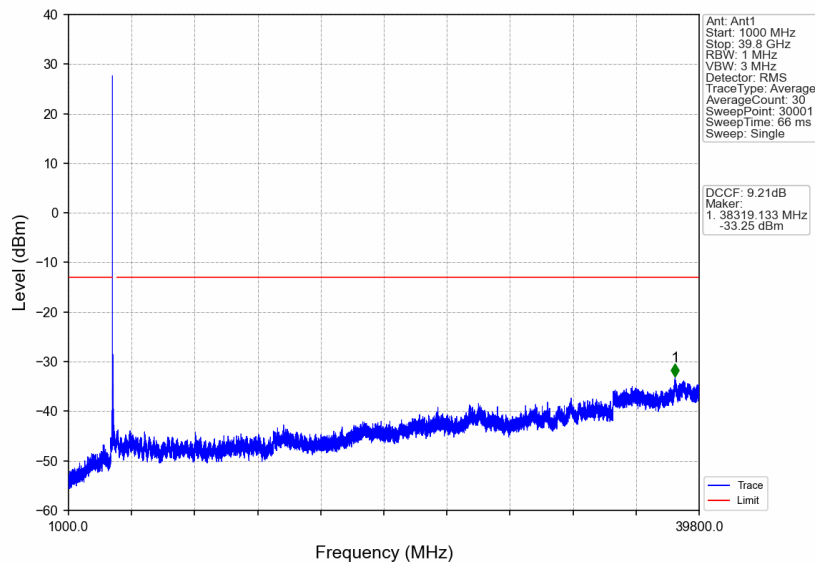


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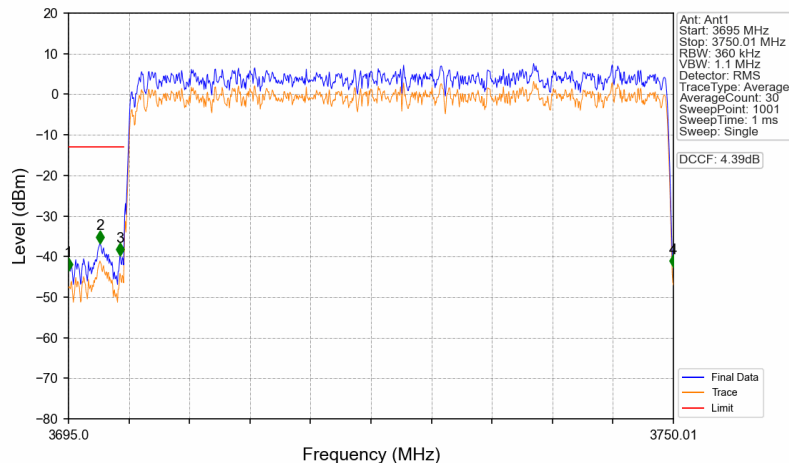
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n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3725.01MHz_Edge_1RB_Left



n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3725.01MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	/	1	3695.000	-43.40	-13	Pass
3695.01	3699.01	0.5	/	2	3697.861	-36.71	-13	Pass
3699.01	3700.01	0.36	/	3	3699.676	-39.76	-13	Pass
3700.01	3750.01	0.36	/	4	3750.010	-42.65	-13	Pass



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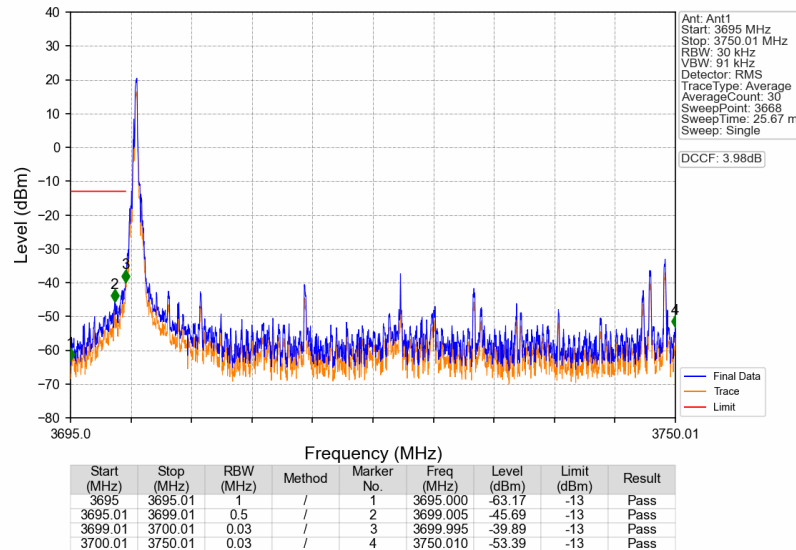
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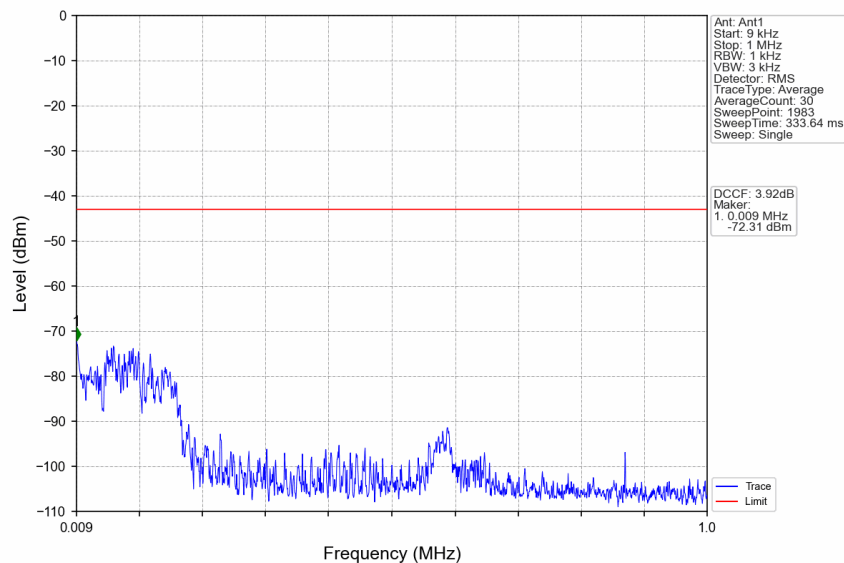
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n77a 15kHz SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3725.01MHz_Inner_1RB_Left



n77a 15kHz SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3840MHz_Edge_1RB_Left



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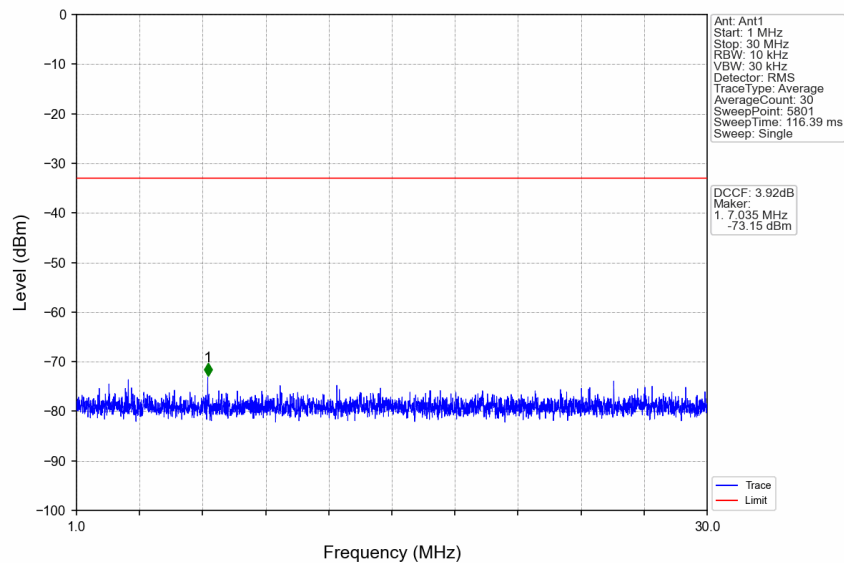
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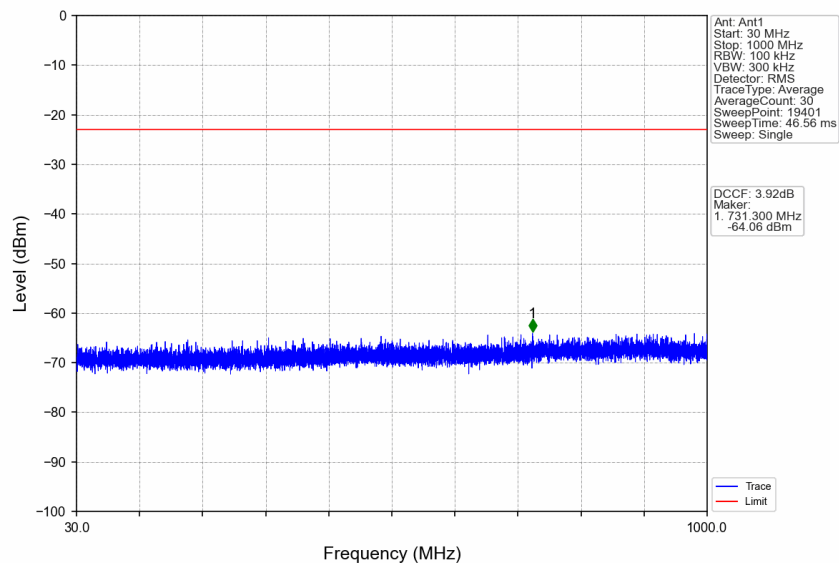
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n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3840MHz_Edge_1RB_Left



n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3840MHz_Edge_1RB_Left



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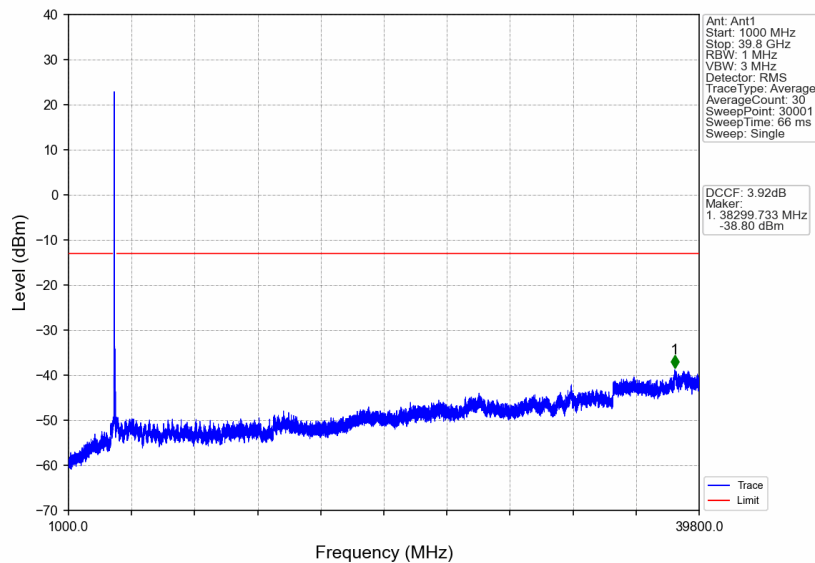


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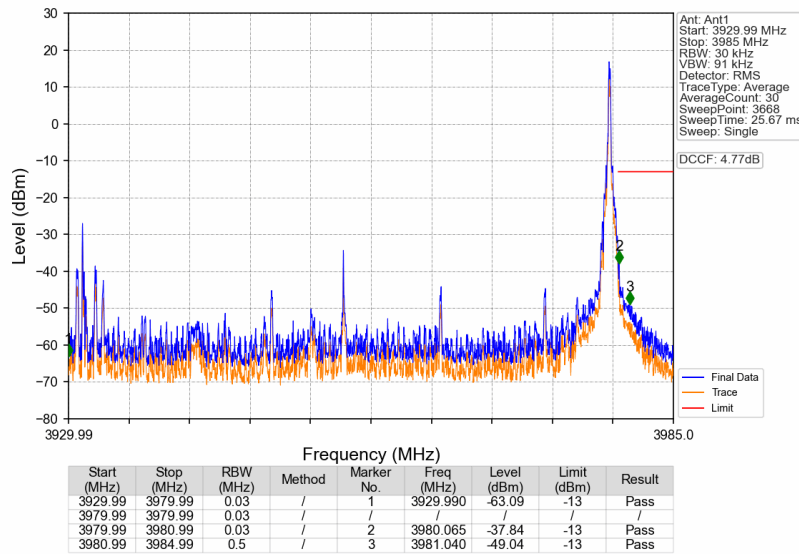
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n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3840MHz_Edge_1RB_Left



n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3954.99MHz_Edge_1RB_Right



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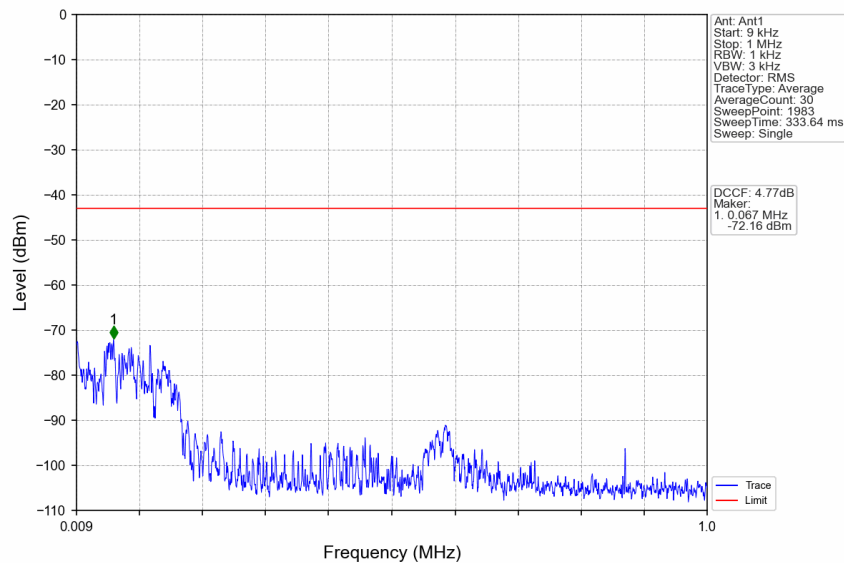


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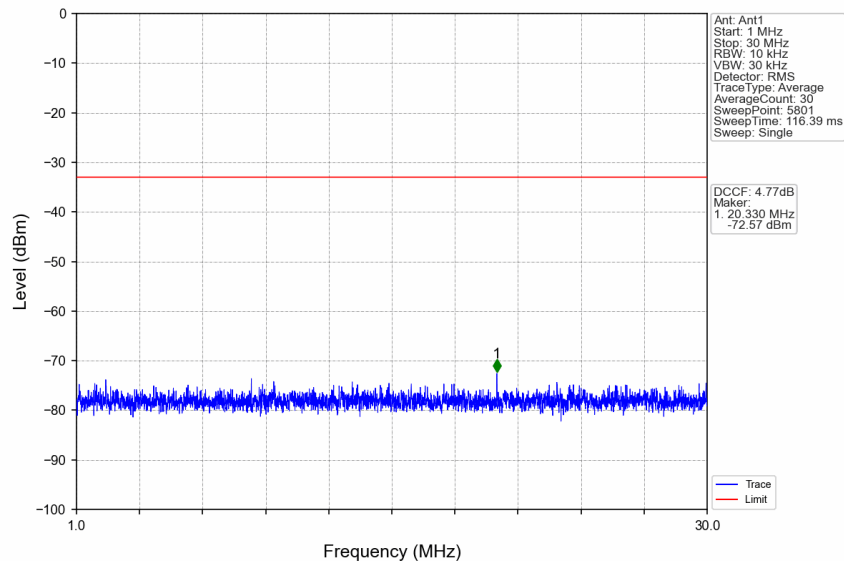
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n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3954.99MHz_Edge_1RB_Right



n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3954.99MHz_Edge_1RB_Right



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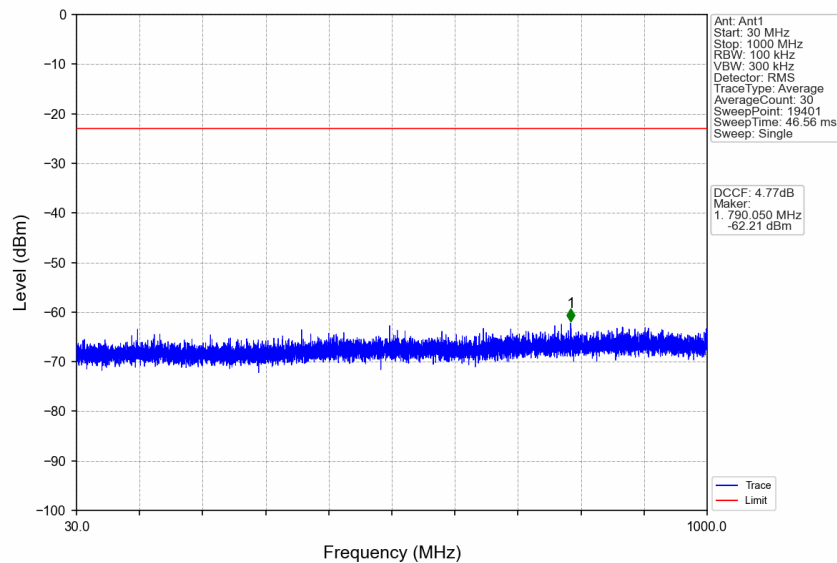


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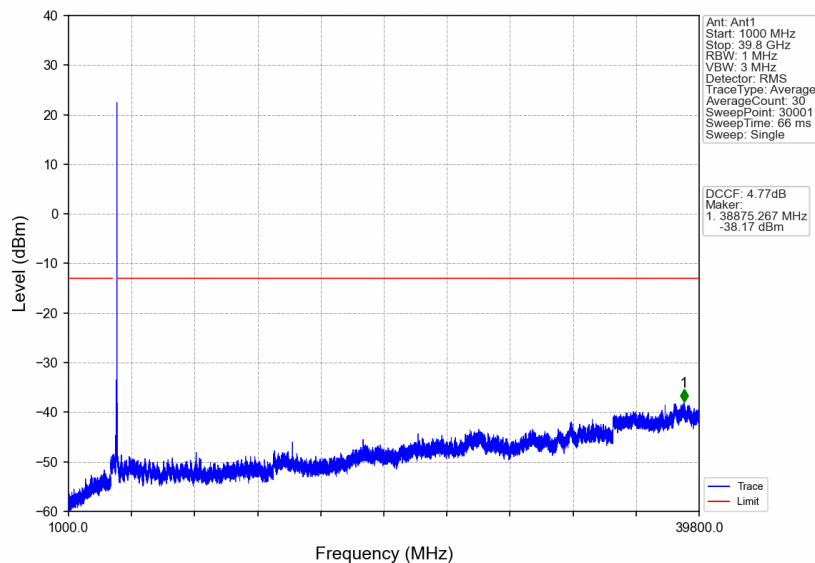
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n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3954.99MHz_Edge_1RB_Right



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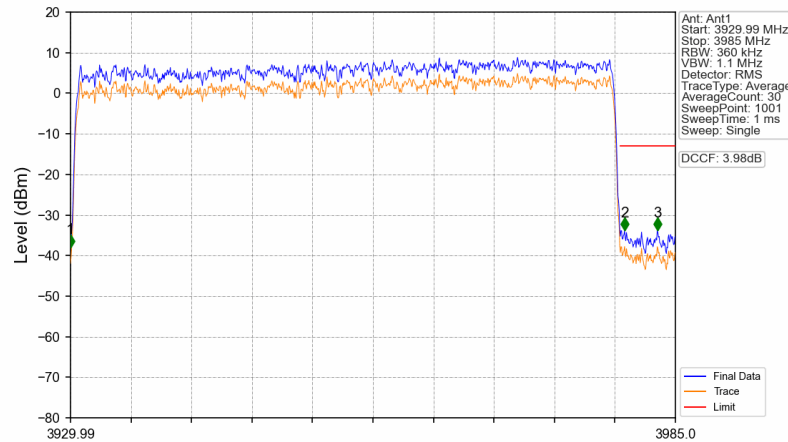
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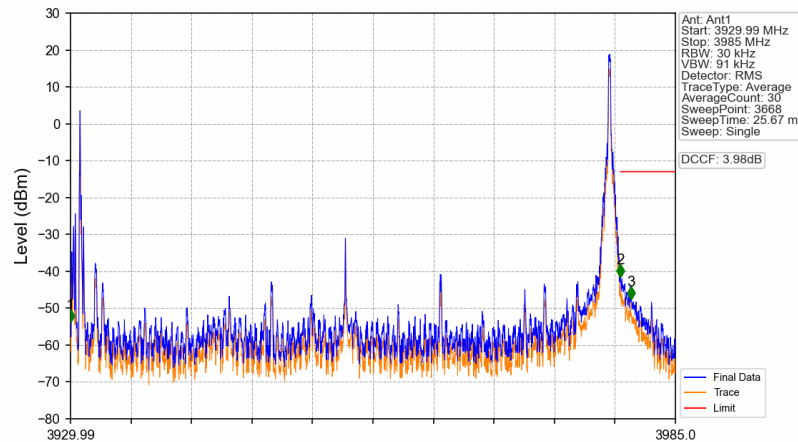
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n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3954.99MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3929.99	3979.99	0.36	/	1	3929.990	-37.95	-13	Pass
3979.99	3979.99	0.36	/	/	/	/	/	/
3979.99	3980.99	0.36	/	2	3980.379	-33.80	-13	Pass
3980.99	3984.99	0.5	/	3	3983.350	-33.86	-13	Pass

n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3954.99MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3929.99	3979.99	0.03	/	1	3929.990	-53.80	-13	Pass
3979.99	3979.99	0.03	/	/	/	/	/	/
3979.99	3980.99	0.03	/	2	3980.005	-41.66	-13	Pass
3980.99	3984.99	0.5	/	3	3980.995	-47.61	-13	Pass



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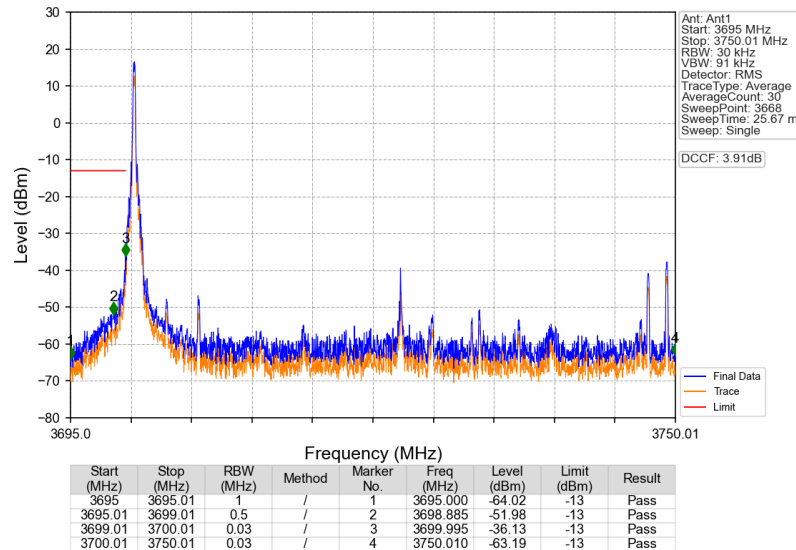
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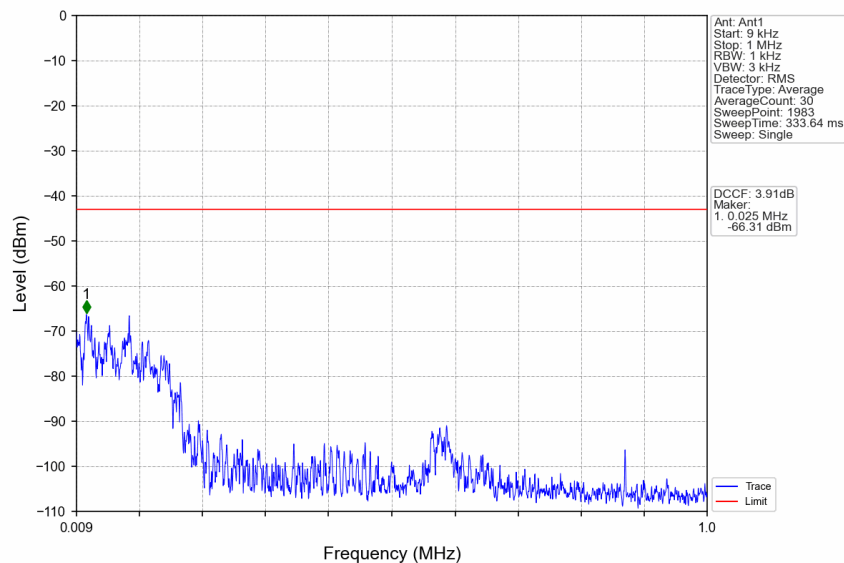
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n77a 15kHz SISO_NTNV_50MHz_CP-OFDM QPSK_3725.01MHz_Edge_1RB_Left



n77a 15kHz SISO_NTNV_50MHz_CP-OFDM QPSK_3725.01MHz_Edge_1RB_Left



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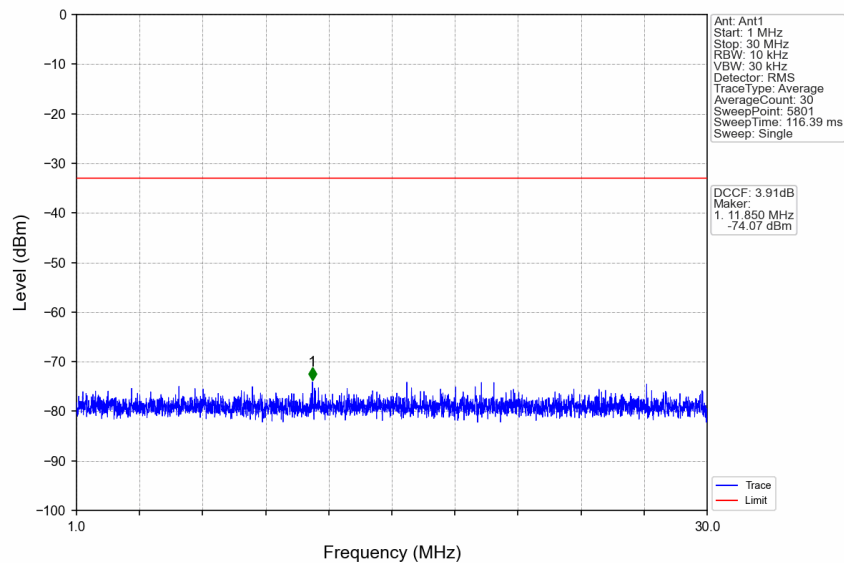


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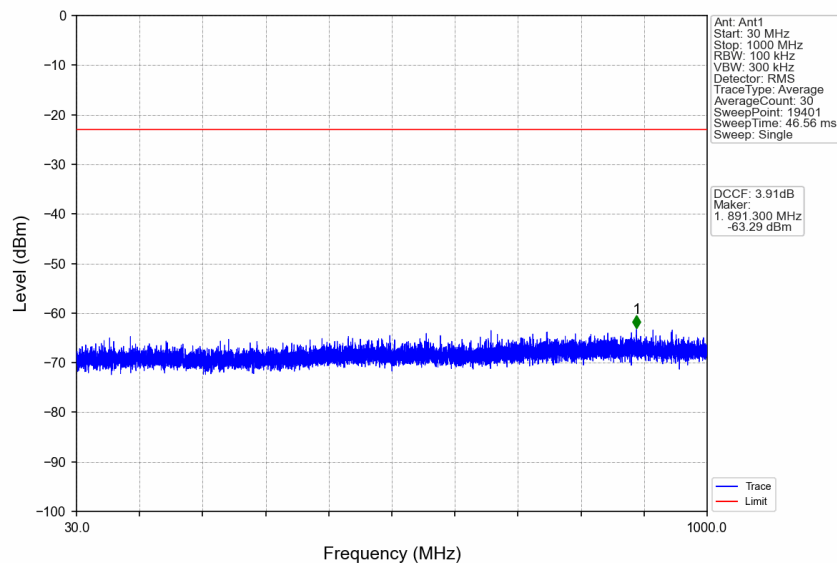
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n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3725.01MHz_Edge_1RB_Left



n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3725.01MHz_Edge_1RB_Left



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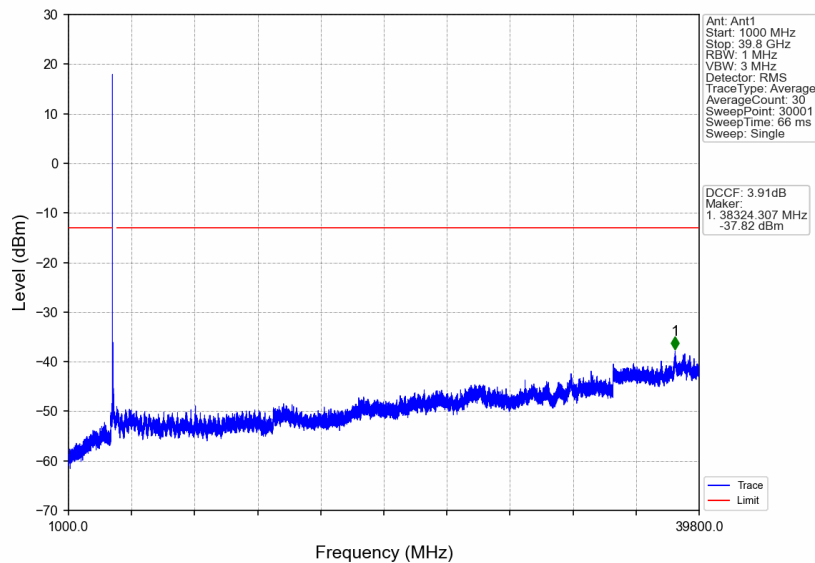
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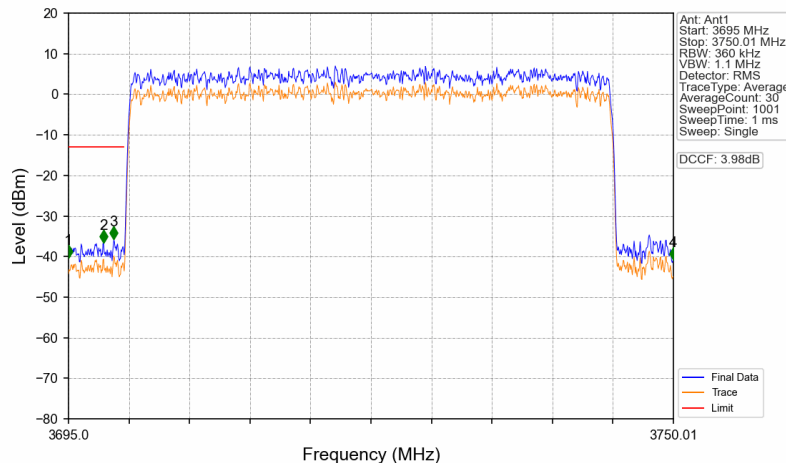
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n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3725.01MHz_Edge_1RB_Left



n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3725.01MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	/	1	3695.000	-40.30	-13	Pass
3695.01	3699.01	0.5	/	2	3698.191	-36.66	-13	Pass
3699.01	3700.01	0.36	/	3	3699.126	-35.81	-13	Pass
3700.01	3750.01	0.36	/	4	3750.010	-40.89	-13	Pass



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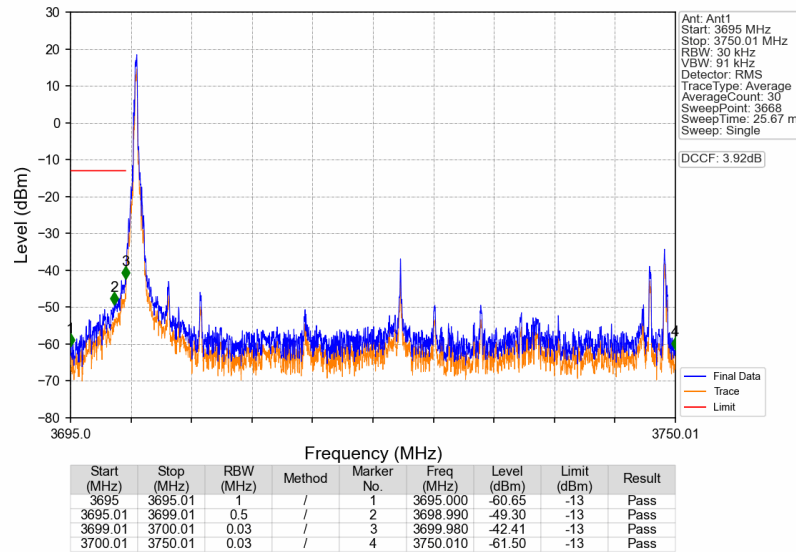
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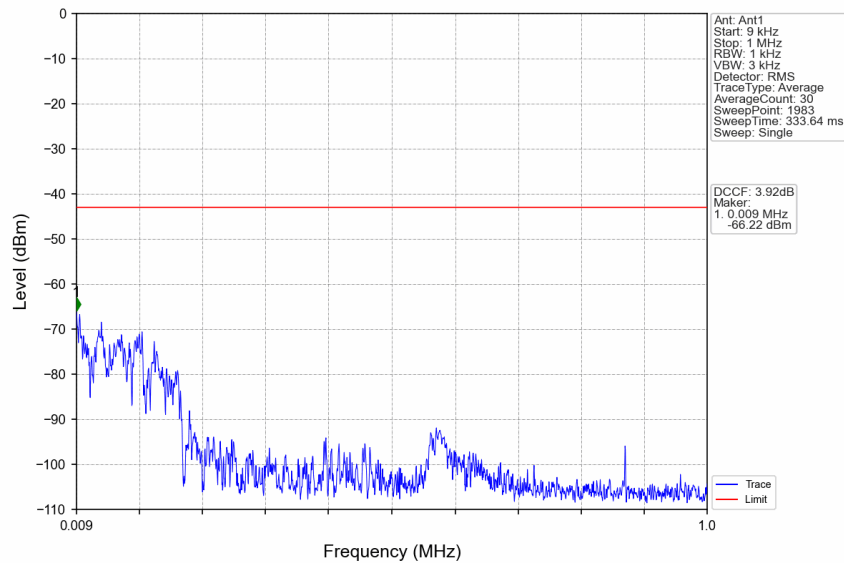
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n77a 15kHz SISO_NTNV_50MHz_CP-OFDM QPSK_3725.01MHz_Inner_1RB_Left



n77a 15kHz SISO_NTNV_50MHz_CP-OFDM QPSK_3840MHz_Edge_1RB_Left



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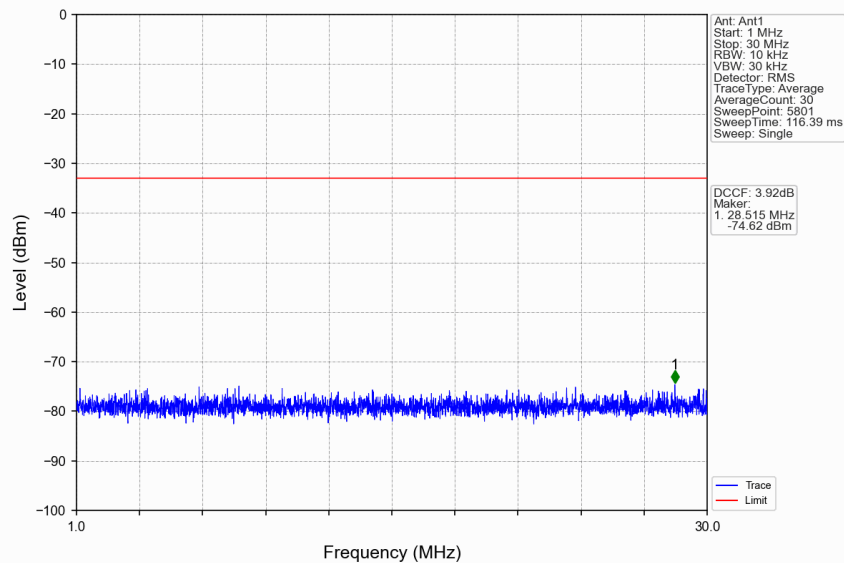
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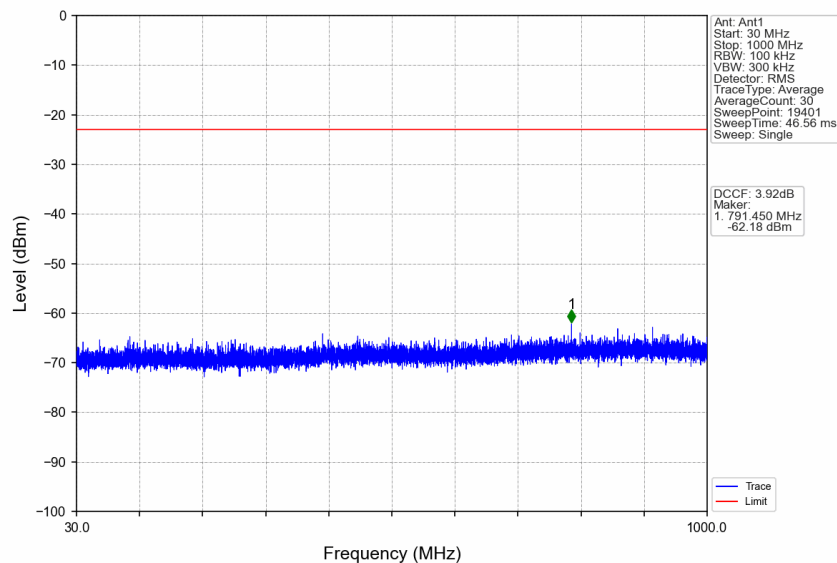
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n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3840MHz_Edge_1RB_Left



n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3840MHz_Edge_1RB_Left



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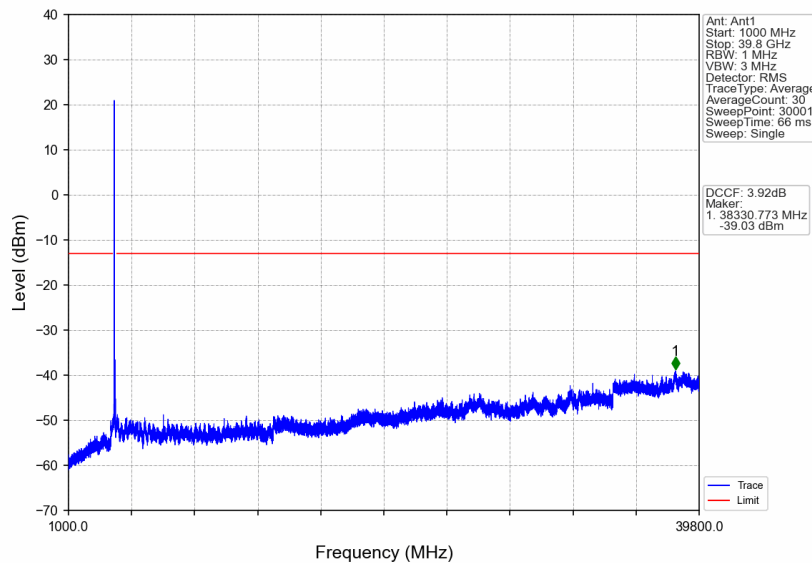
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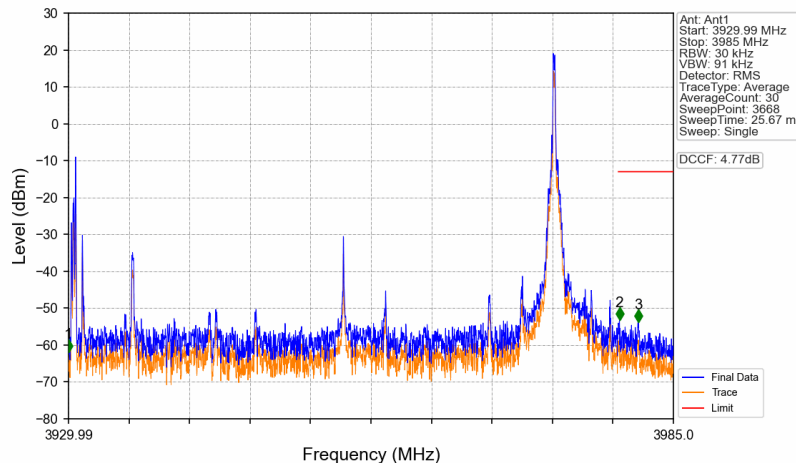
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n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3840MHz_Edge_1RB_Left



n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3954.99MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3929.99	3979.99	0.03	/	1	3929.990	-61.87	-13	Pass
3979.99	3979.99	0.03	/	/	/	/	/	/
3979.99	3980.99	0.03	/	2	3980.095	-53.25	-13	Pass
3980.99	3984.99	0.5	/	3	3981.820	-53.88	-13	Pass



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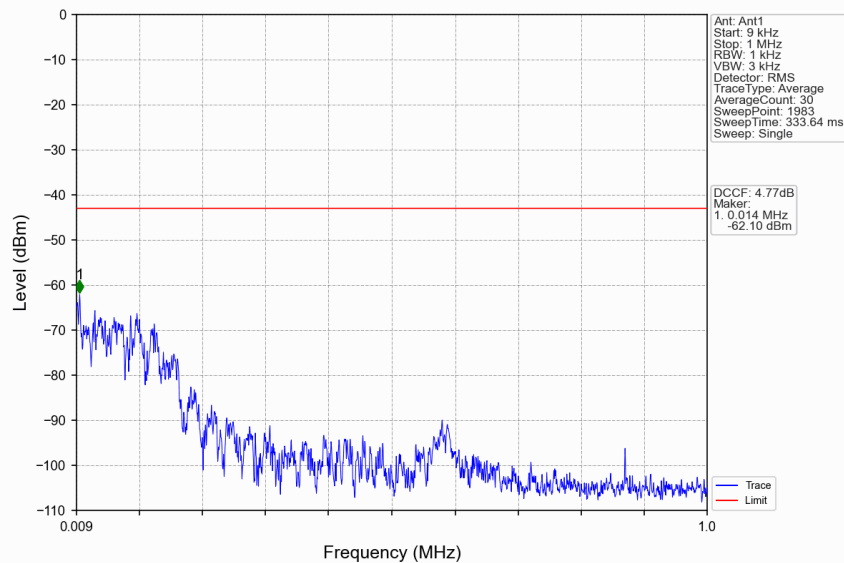
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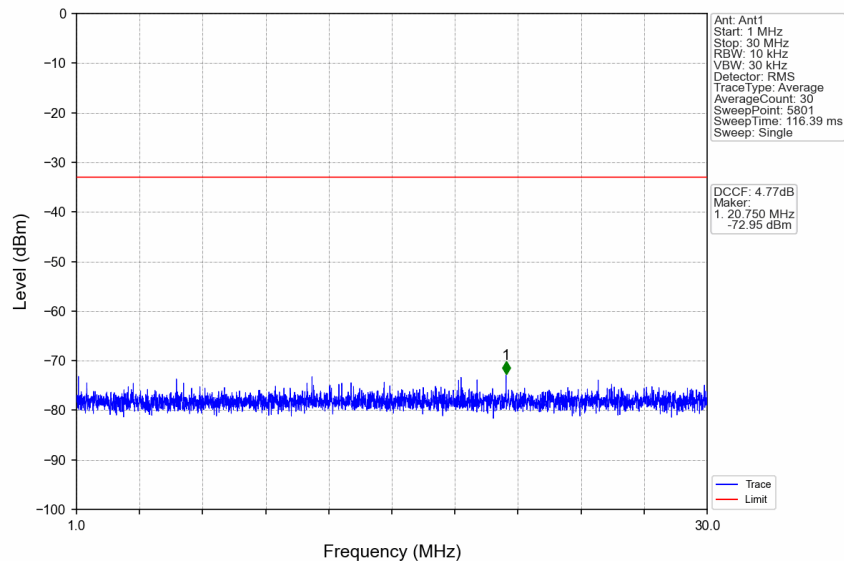
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n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3954.99MHz_Edge_1RB_Right



n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3954.99MHz_Edge_1RB_Right



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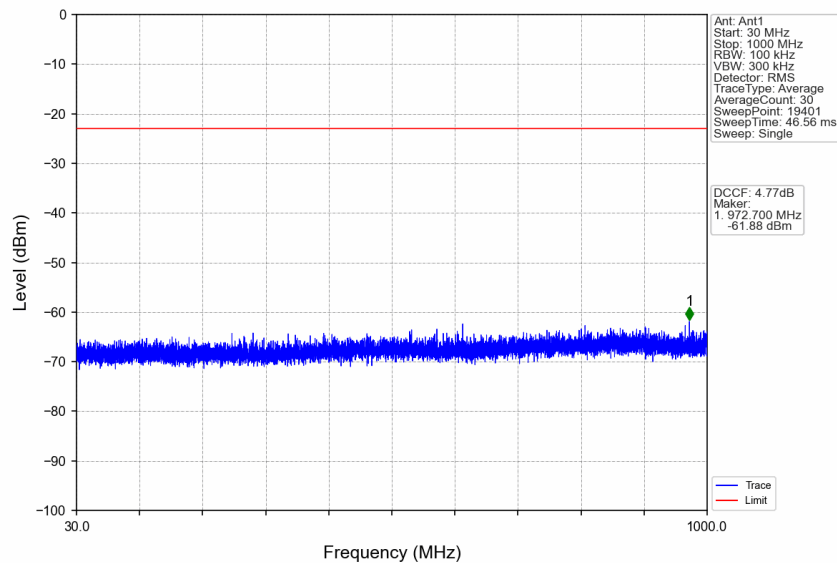


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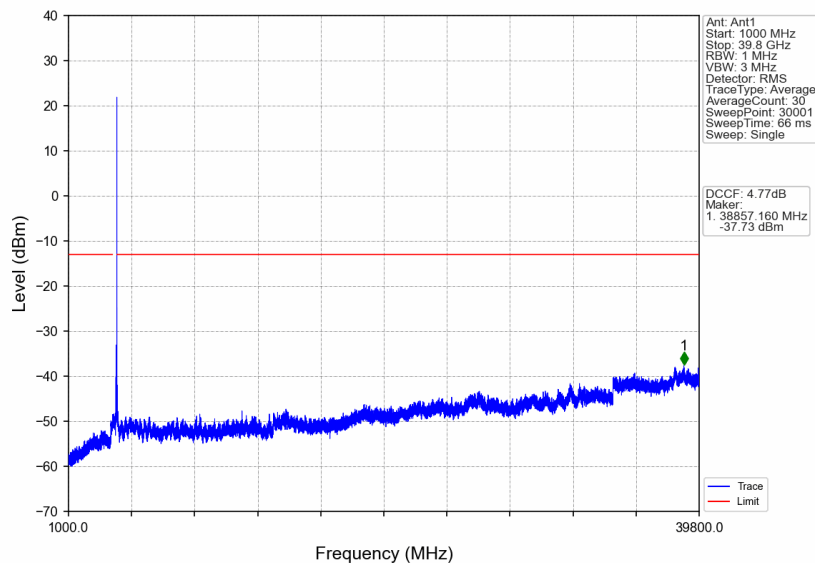
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n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3954.99MHz_Edge_1RB_Right



n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3954.99MHz_Edge_1RB_Right



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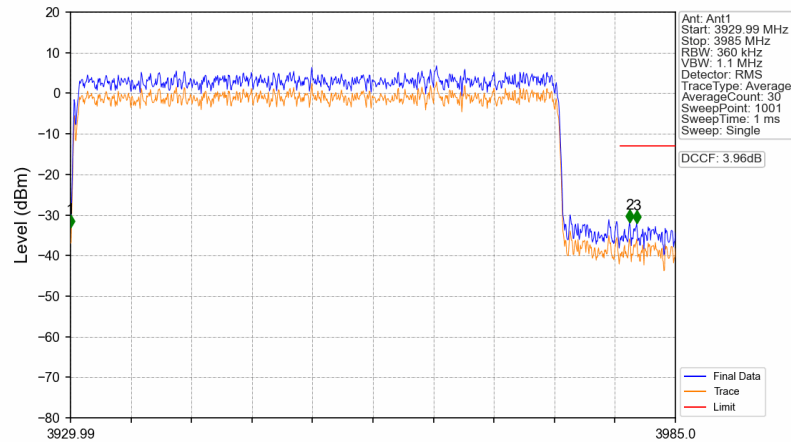


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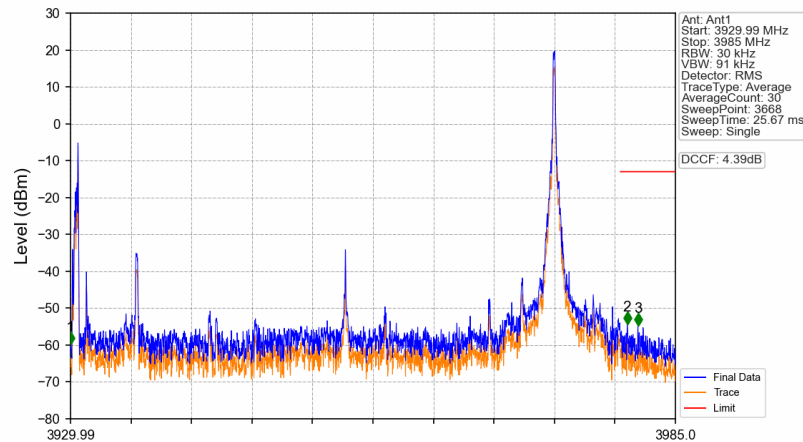
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n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3954.99MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3929.99	3979.99	0.36	/	1	3929.990	-33.03	-13	Pass
3979.99	3979.99	0.36	/	/	/	/	/	/
3979.99	3980.99	0.36	/	2	3980.819	-31.92	-13	Pass
3980.99	3984.99	0.5	/	3	3981.479	-31.98	-13	Pass

n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3954.99MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3929.99	3979.99	0.03	/	1	3929.990	-59.87	-13	Pass
3979.99	3979.99	0.03	/	/	/	/	/	/
3979.99	3980.99	0.03	/	2	3980.620	-54.42	-13	Pass
3980.99	3984.99	0.5	/	3	3981.595	-54.81	-13	Pass



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6.8 30k_SISO_10MHz_NTNV

6.8.1 Test Result

5G NR n77a SCS=30kHz SISO 10MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant5	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3705	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		Edge_1RB_Right	Refer To Test Graph				Pass	
	3975	Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Right	Refer To Test Graph				Pass	
		DFT-s-OFDM QPSK	3705	Edge_1RB_Left	Refer To Test Graph			
	Outer_Full			Refer To Test Graph				Pass
Inner_1RB_Left	Refer To Test Graph				Pass			
3840	Edge_1RB_Left		Refer To Test Graph				Pass	
	Edge_1RB_Right		Refer To Test Graph				Pass	
	Outer_Full		Refer To Test Graph				Pass	
	Inner_1RB_Right		Refer To Test Graph				Pass	
CP-OFDM QPSK	3705	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		Edge_1RB_Right	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Right	Refer To Test Graph				Pass	



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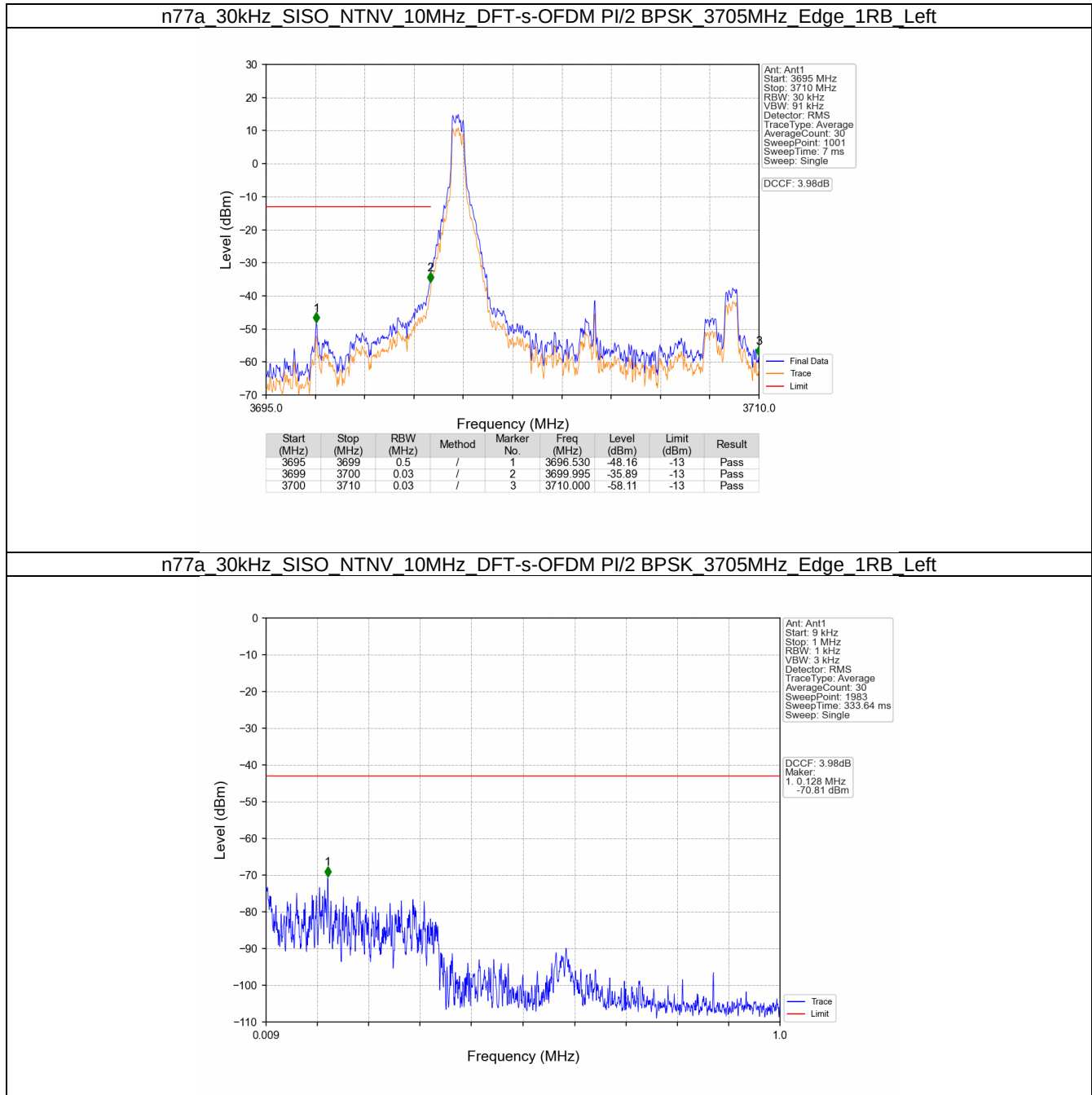
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6.8.2 Test Graph



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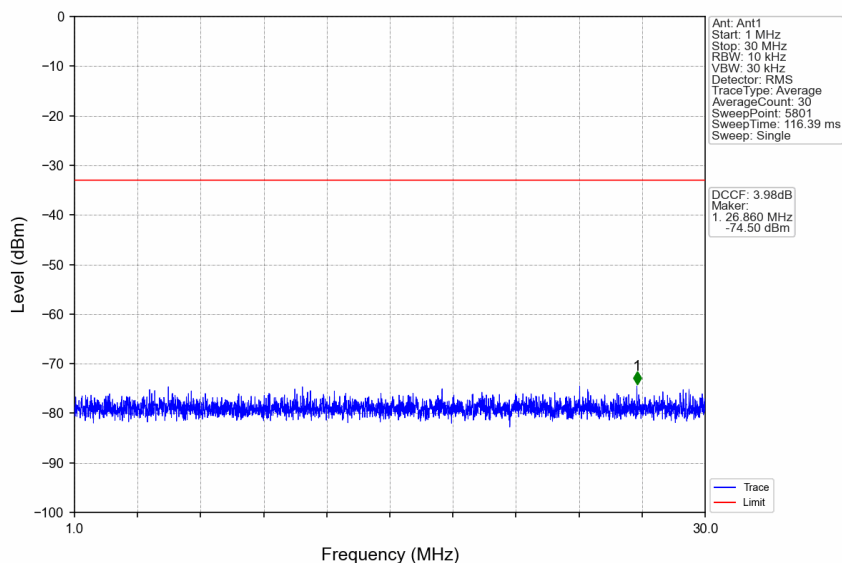


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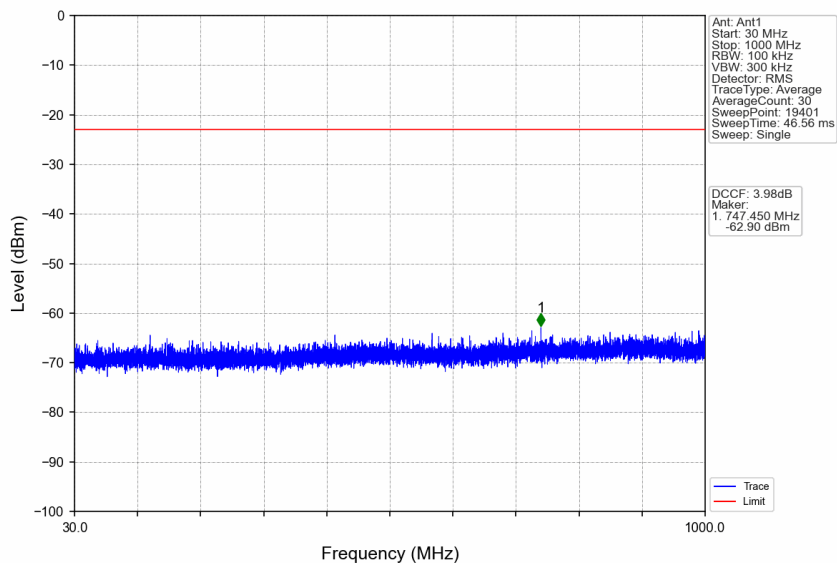
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3705MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3705MHz_Edge_1RB_Left



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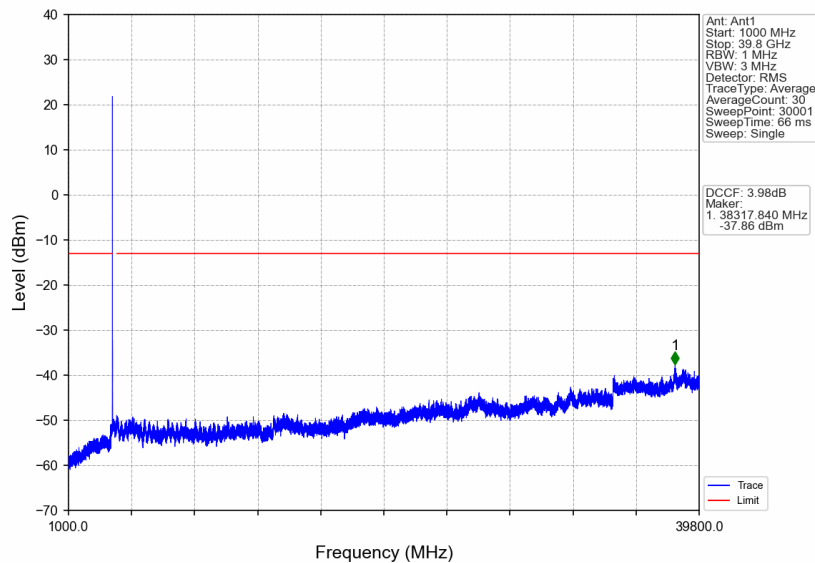
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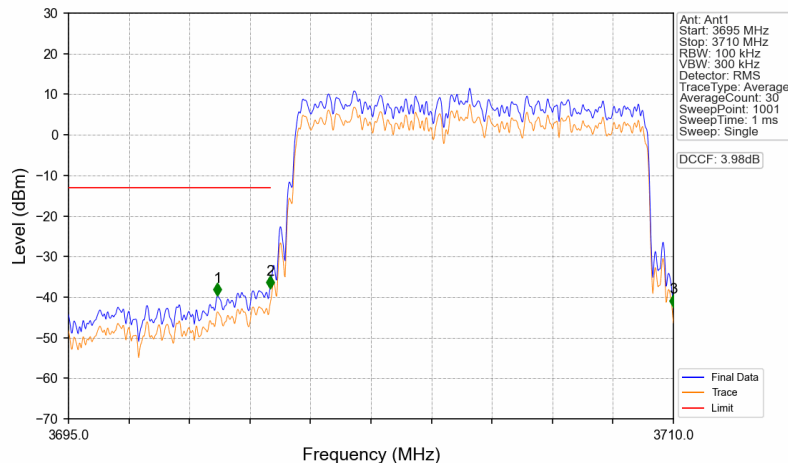
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3705MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3705MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.690	-39.67	-13	Pass
3699	3700	0.1	/	2	3699.995	-37.90	-13	Pass
3700	3710	0.1	/	3	3710.000	-42.41	-13	Pass



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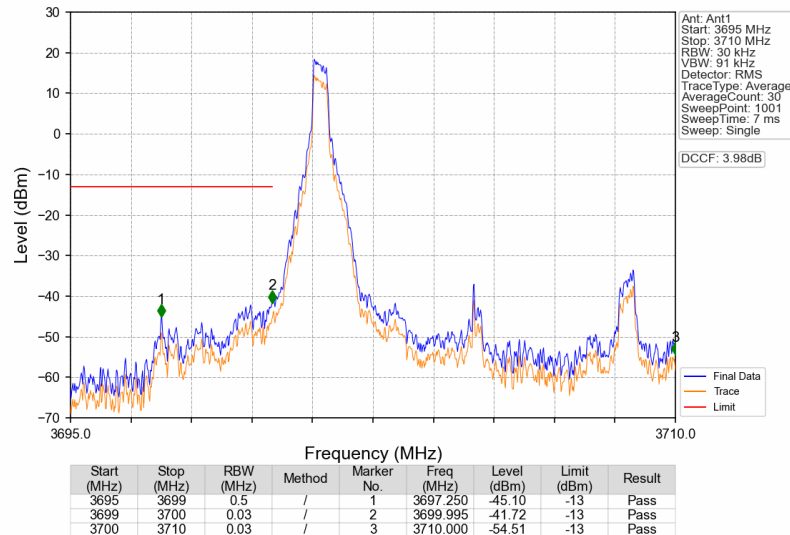
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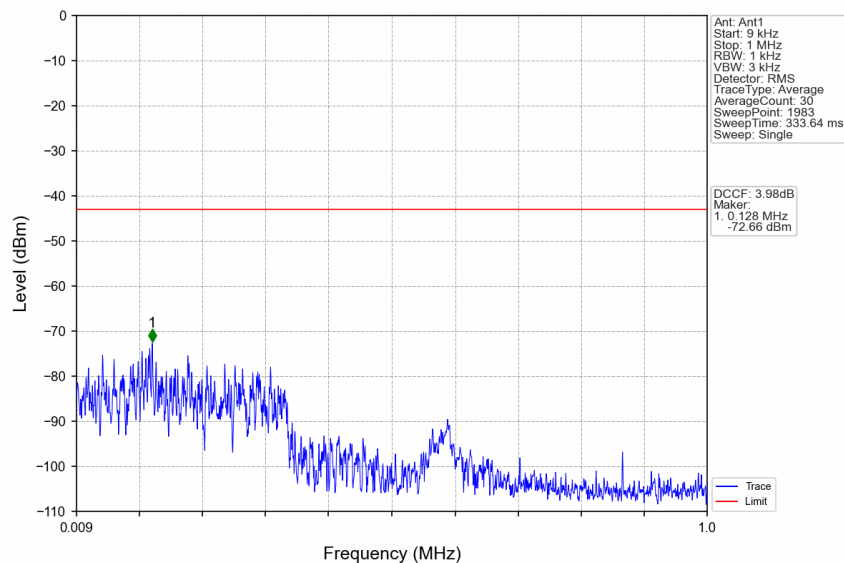
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_3705MHz_Inner_1RB_Left



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_3840MHz_Edge_1RB_Left



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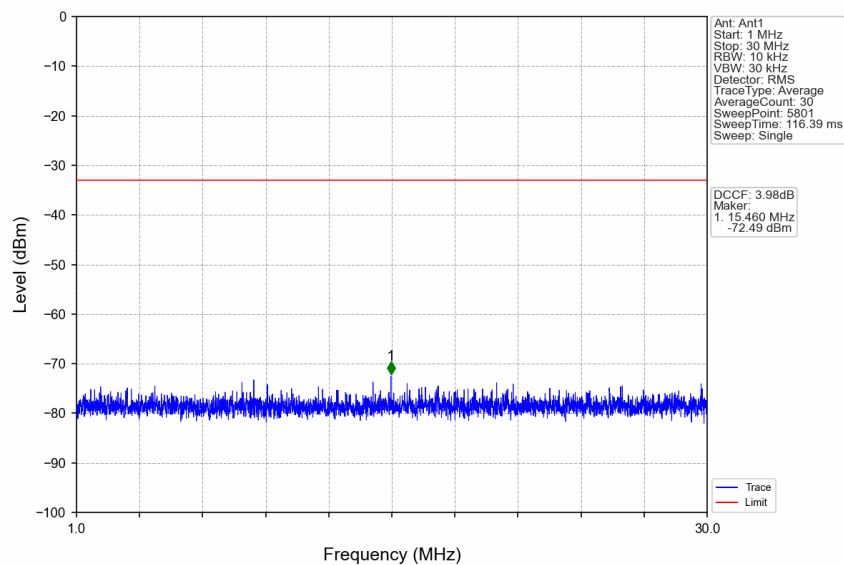


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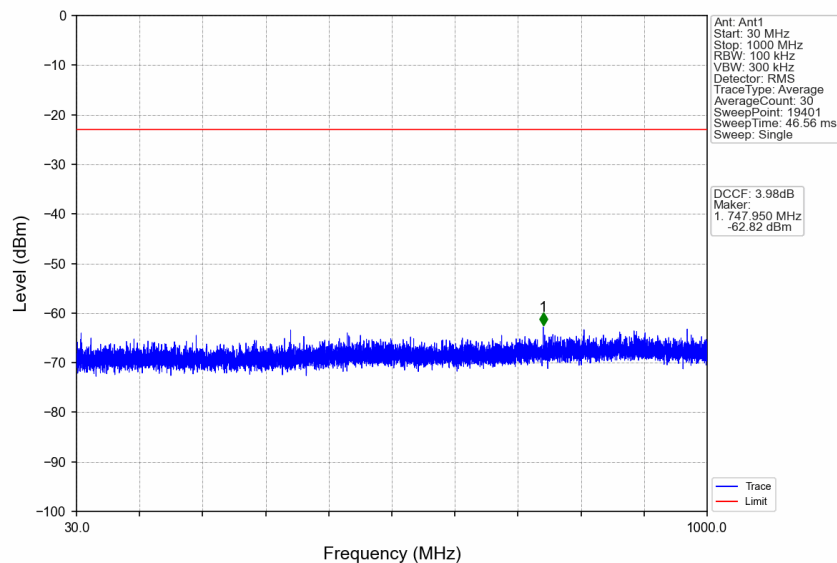
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_3840MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_3840MHz_Edge_1RB_Left



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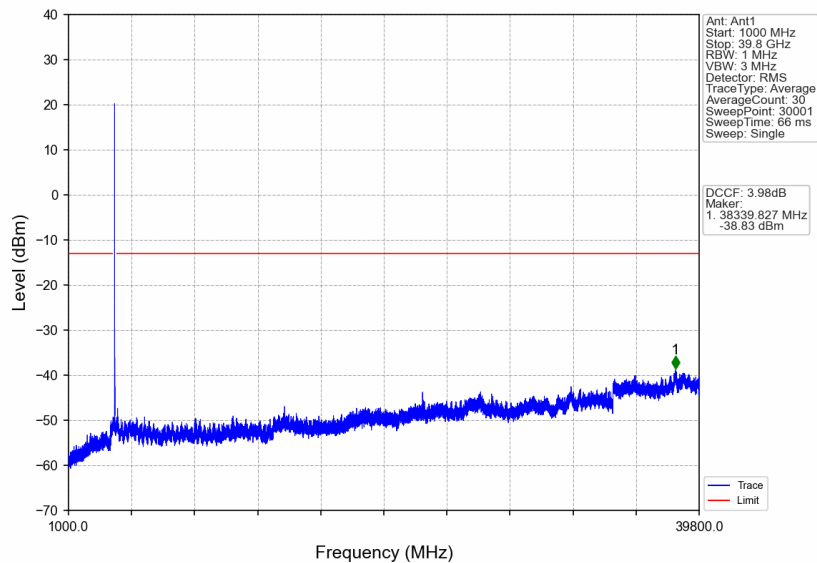


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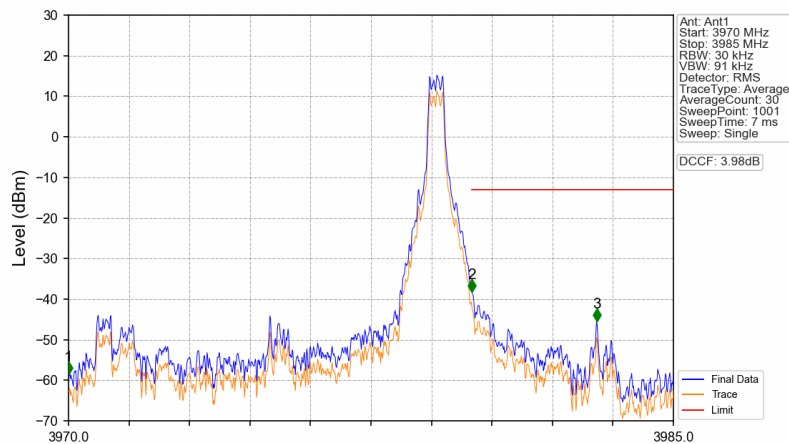
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3975MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3970	3980	0.03	/	1	3970.000	-58.59	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.005	-38.26	-13	Pass
3981	3985	0.5	/	3	3983.095	-45.44	-13	Pass



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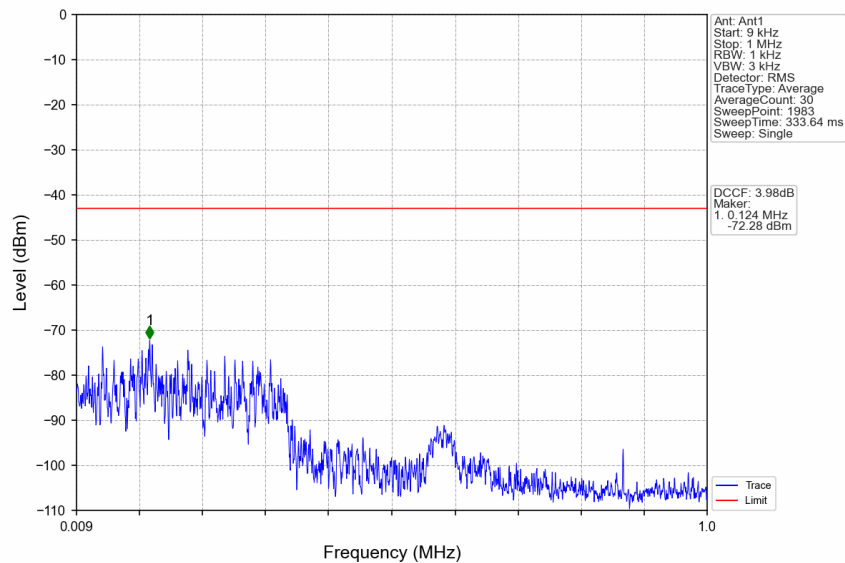
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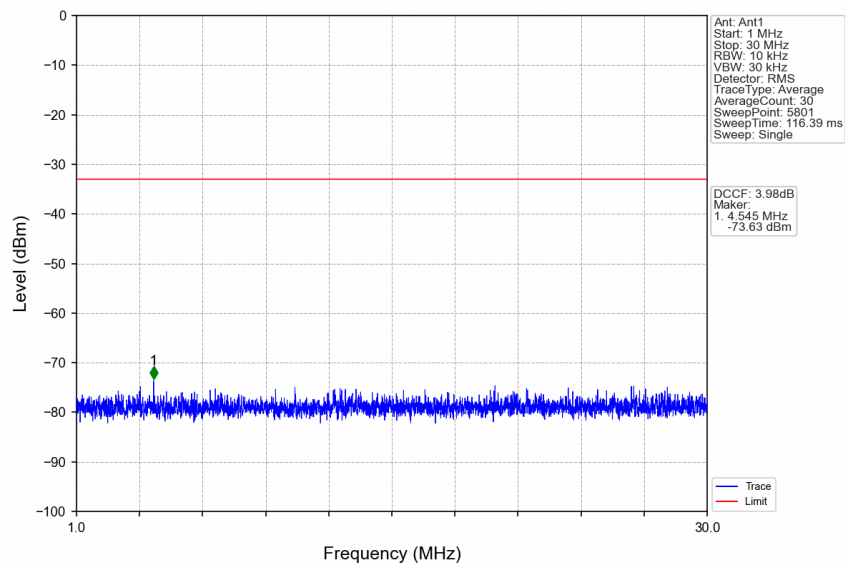
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3975MHz_Edge_1RB_Right



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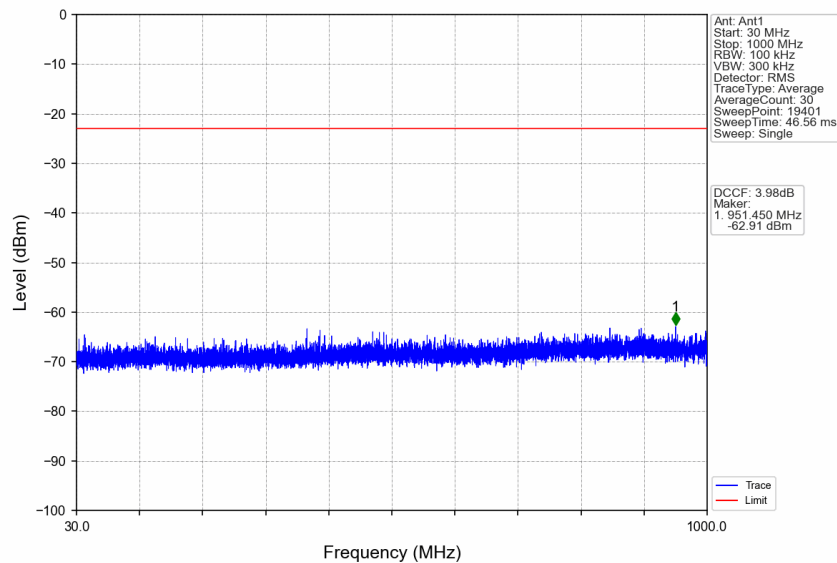


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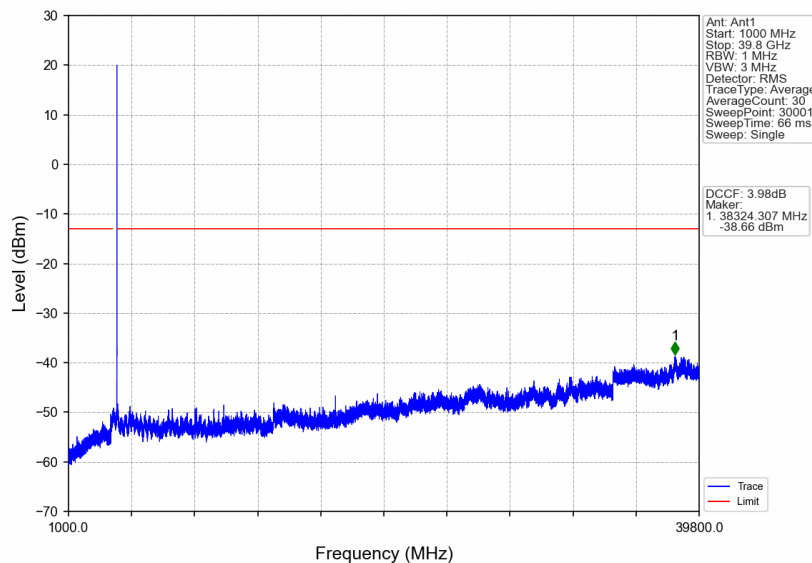
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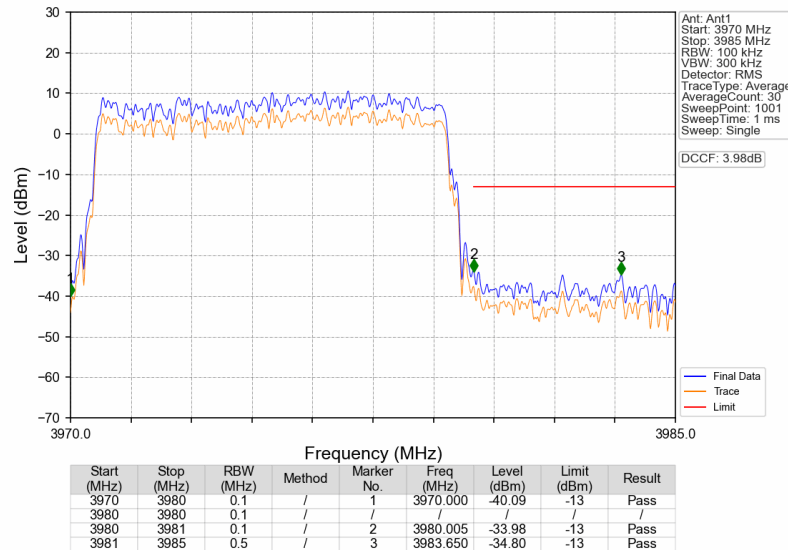
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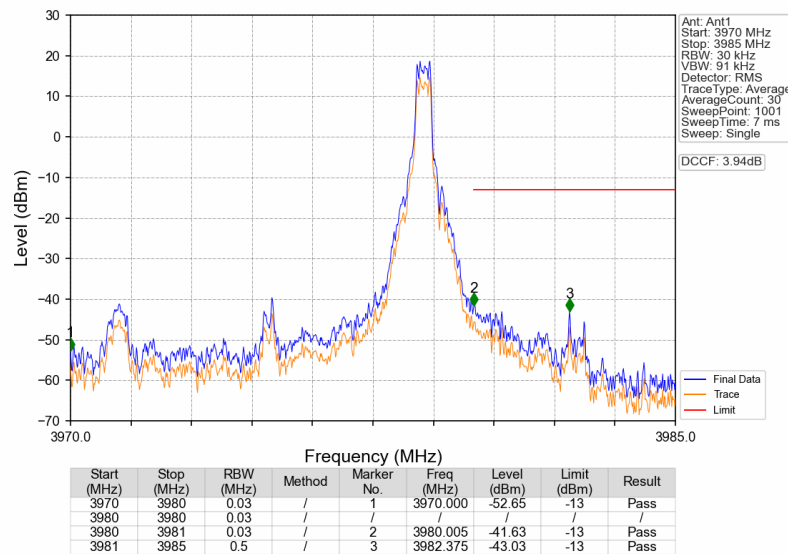
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3975MHz_Outer_Full



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3975MHz_Inner_1RB_Right



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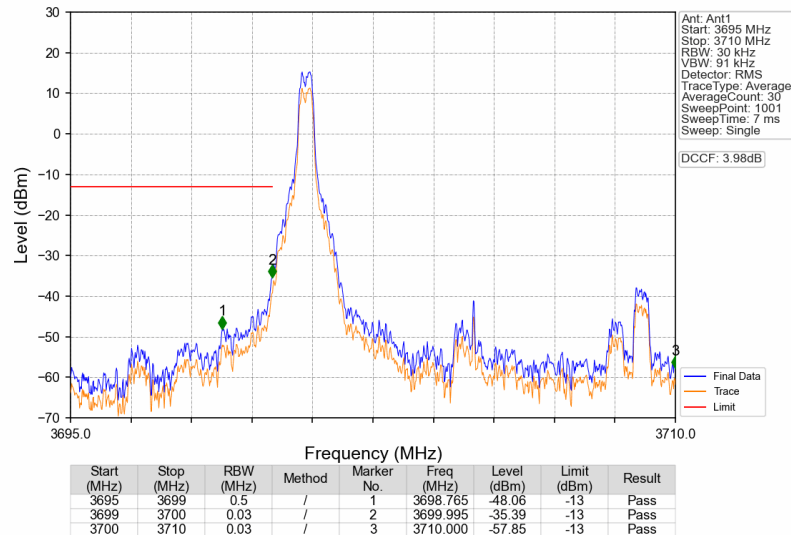
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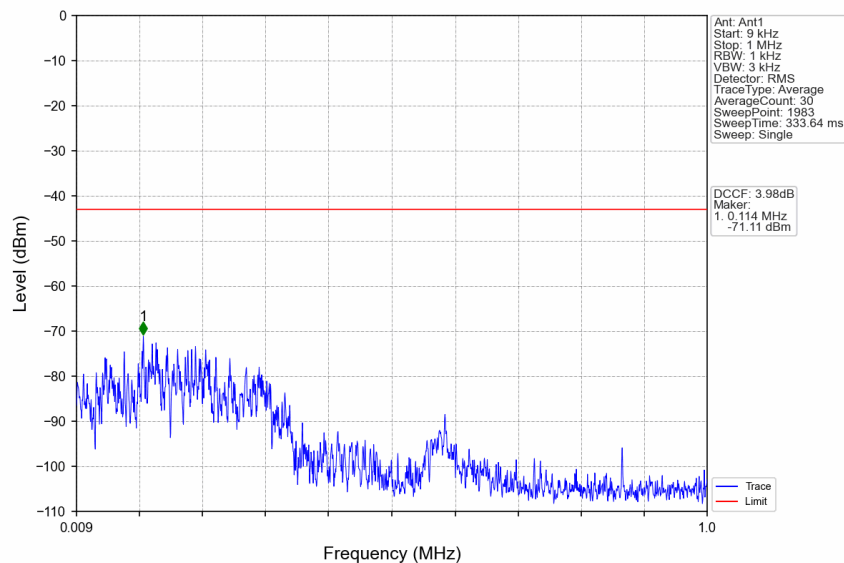
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3705MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3705MHz_Edge_1RB_Left



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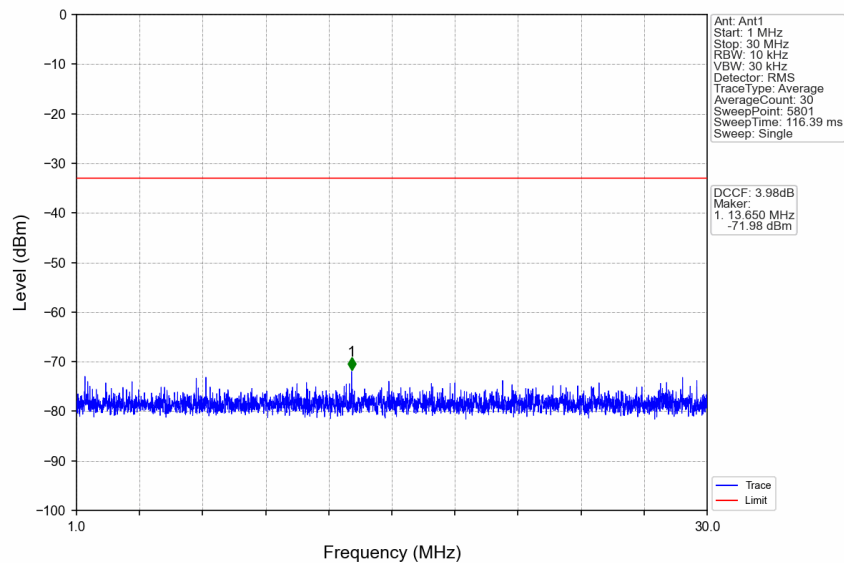


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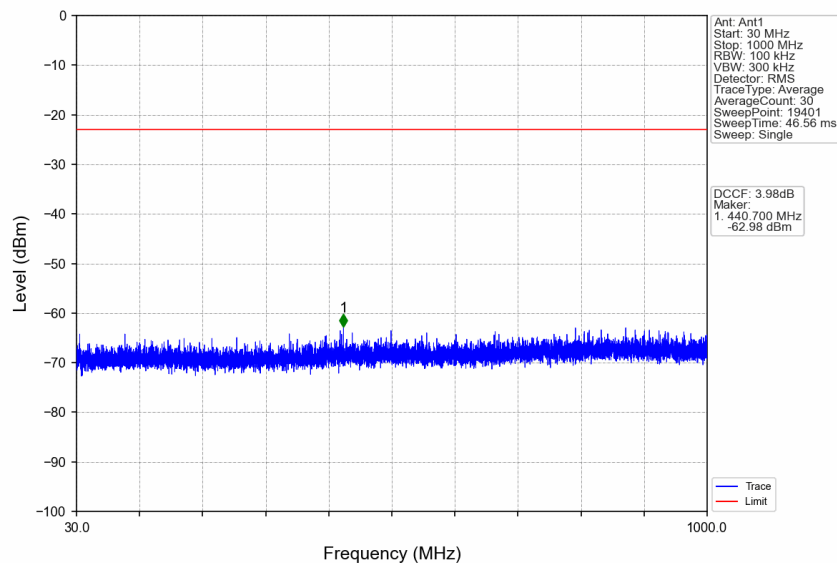
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3705MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3705MHz_Edge_1RB_Left



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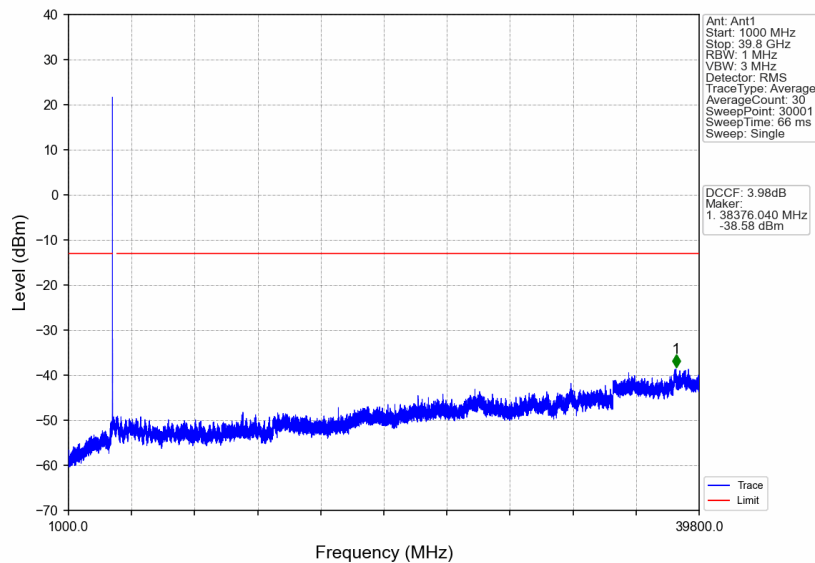
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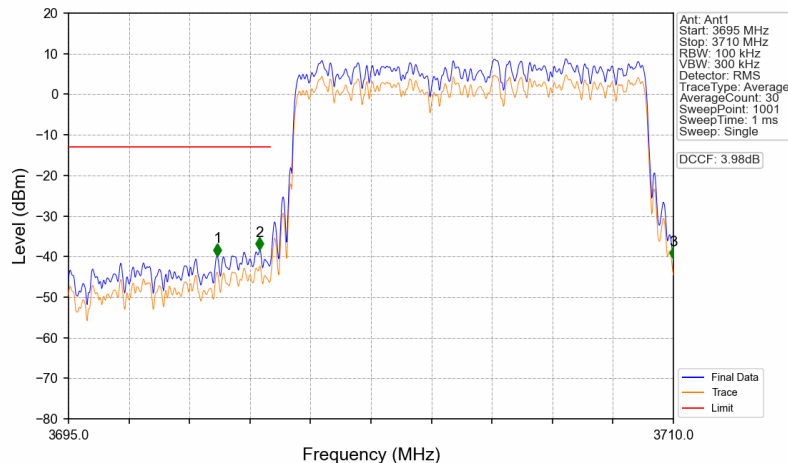
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3705MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3705MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.690	-39.90	-13	Pass
3699	3700	0.1	/	2	3699.740	-38.37	-13	Pass
3700	3710	0.1	/	3	3710.000	-40.62	-13	Pass



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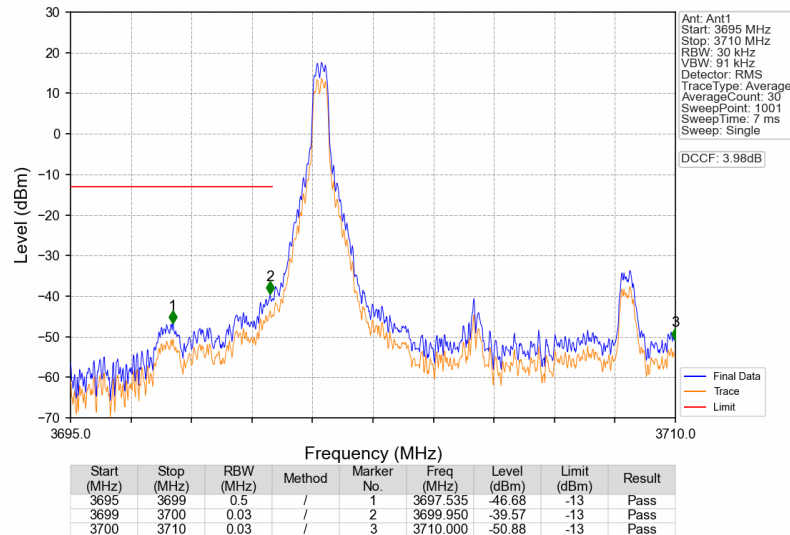
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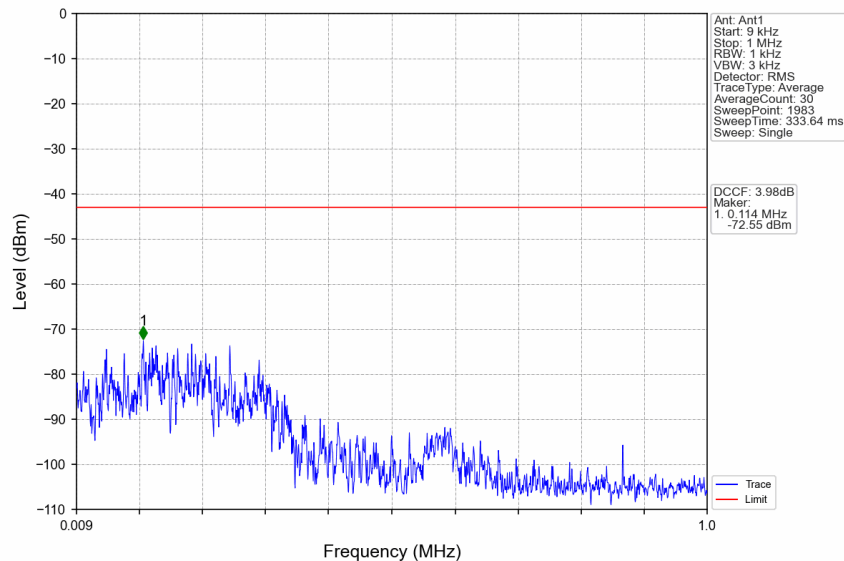
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3705MHz_Inner_1RB_Left



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3840MHz_Edge_1RB_Left



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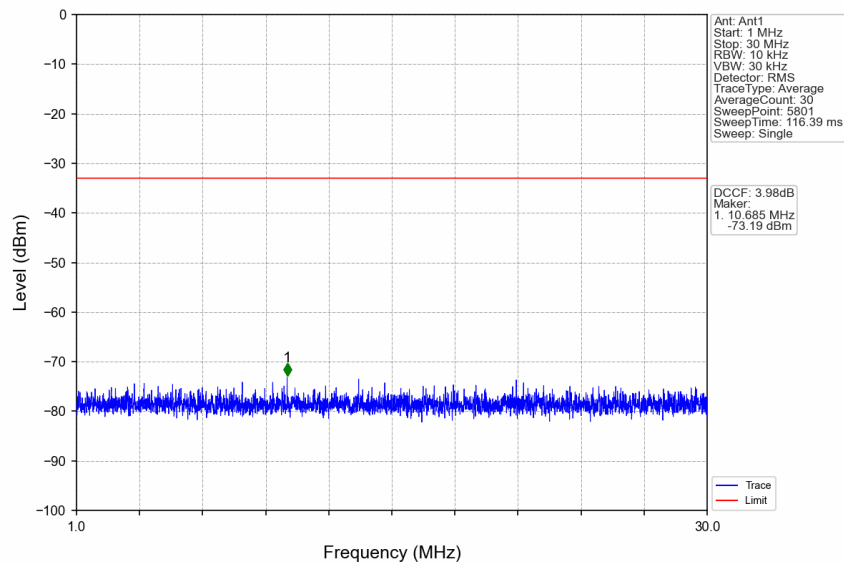
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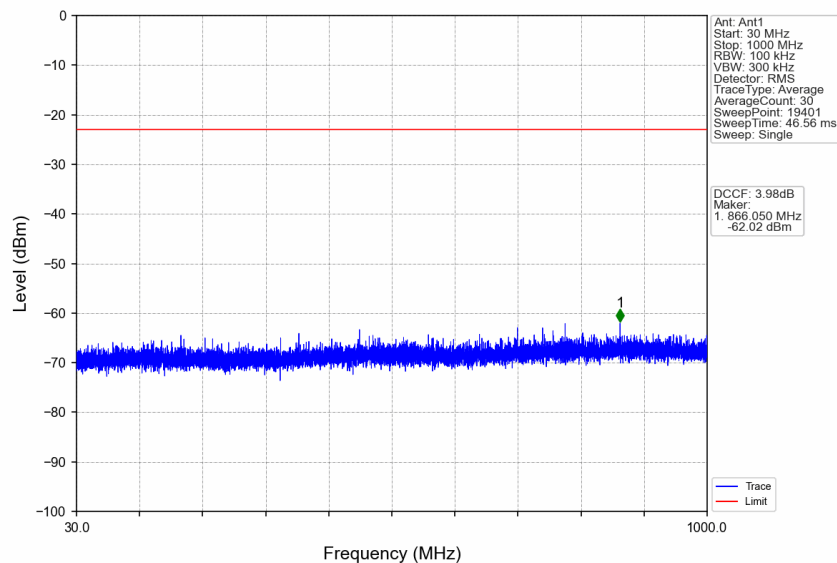
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3840MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3840MHz_Edge_1RB_Left



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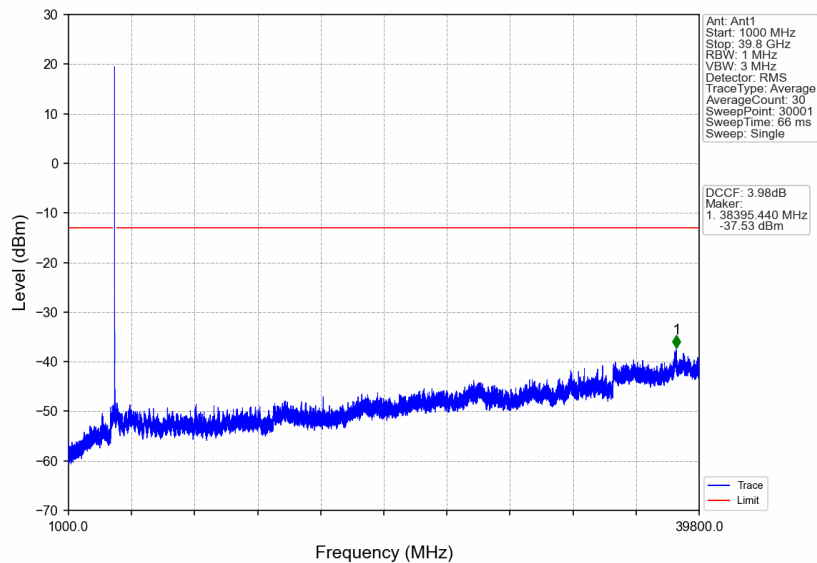


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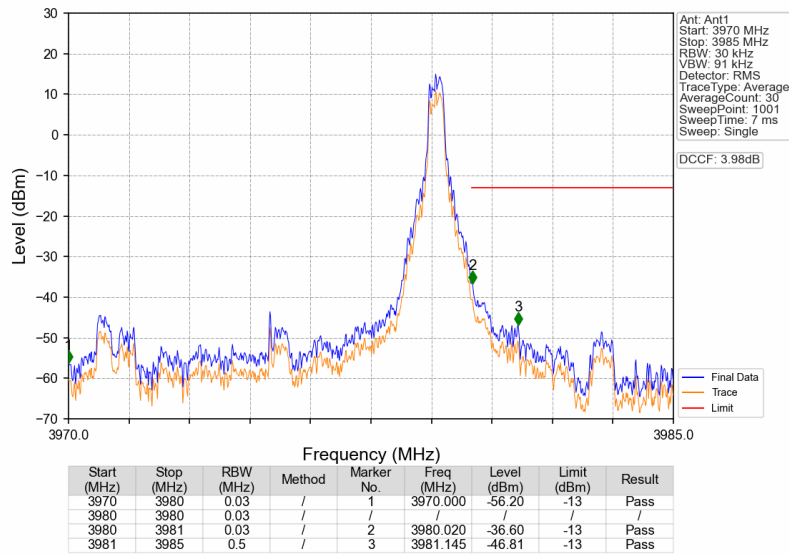
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3840MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3975MHz_Edge_1RB_Right



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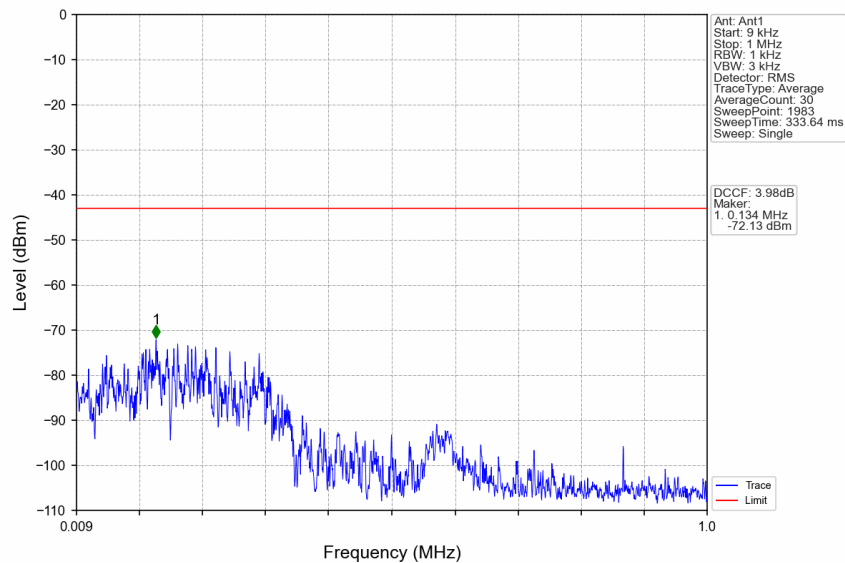


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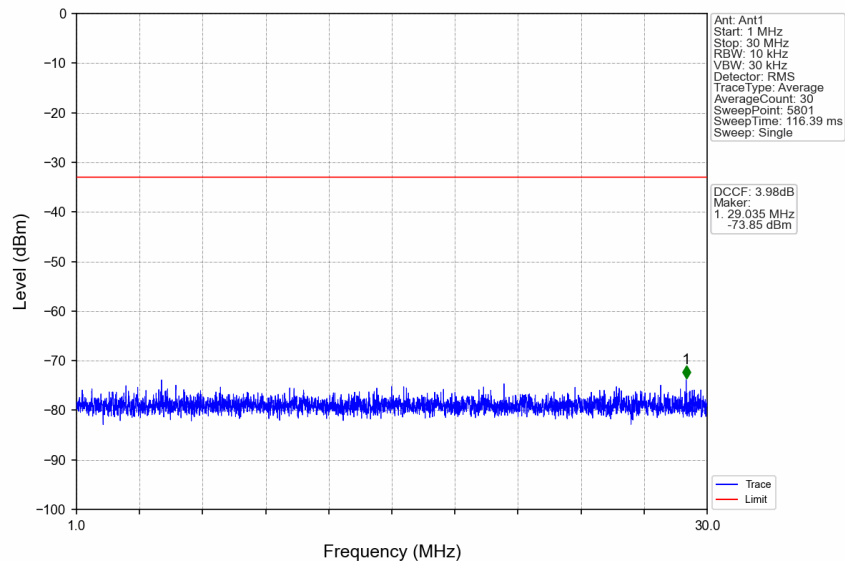
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3975MHz_Edge_1RB_Right



n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3975MHz_Edge_1RB_Right



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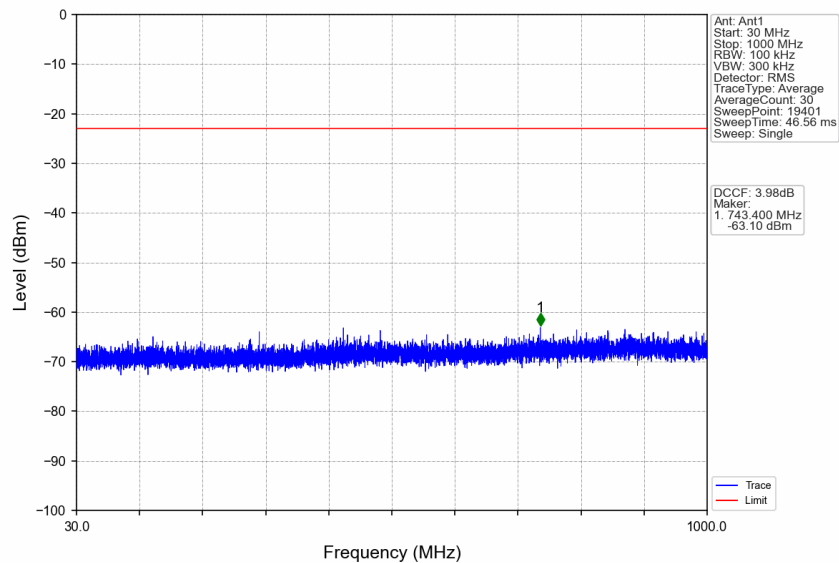
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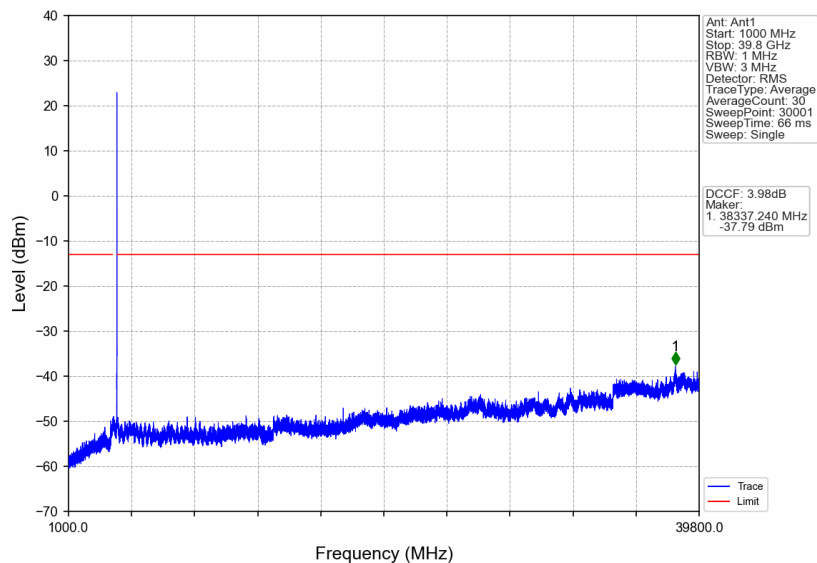
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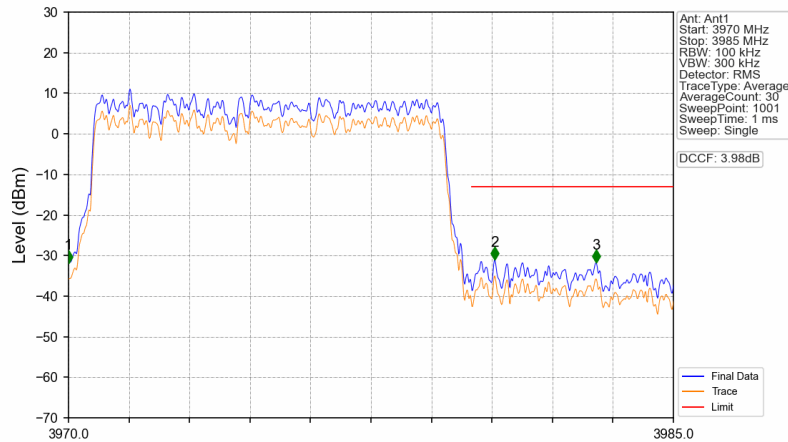
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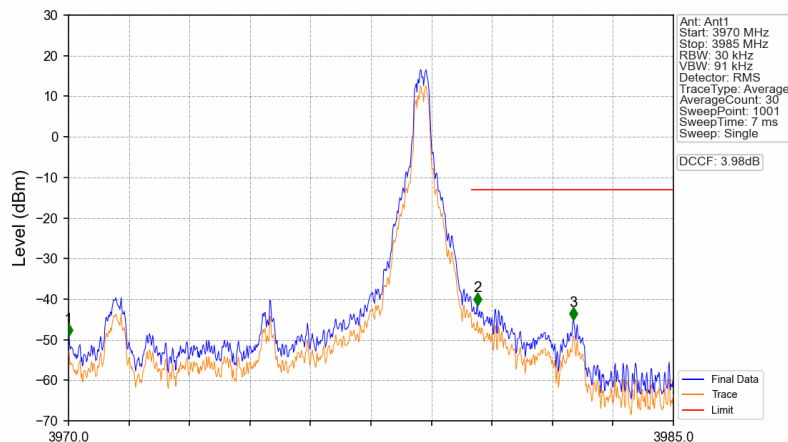
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n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3975MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3970	3980	0.1	/	1	3970.000	-31.84	-13	Pass
3980	3980	0.1	/	2	3980.575	-31.06	-13	Pass
3980	3981	0.1	/	3	3983.080	-31.78	-13	Pass

n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3975MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3970	3980	0.03	/	1	3970.000	-49.14	-13	Pass
3980	3980	0.03	/	2	3980.140	-41.51	-13	Pass
3980	3981	0.03	/	3	3982.525	-45.12	-13	Pass



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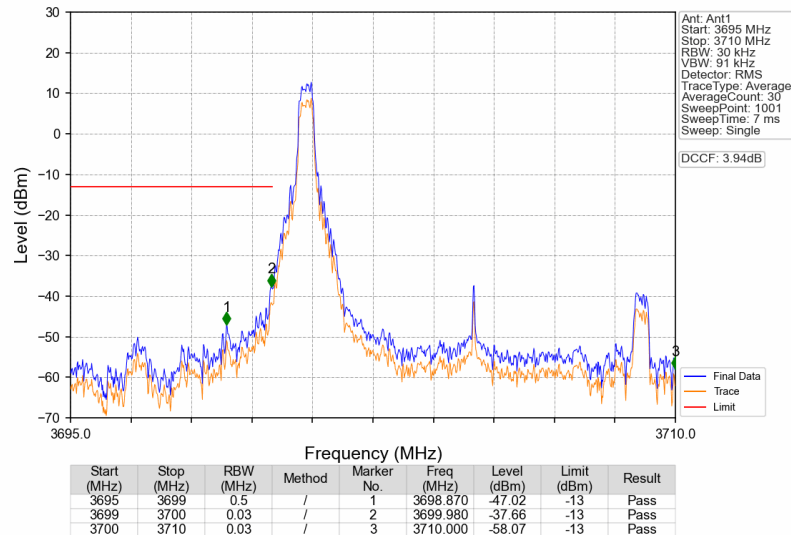
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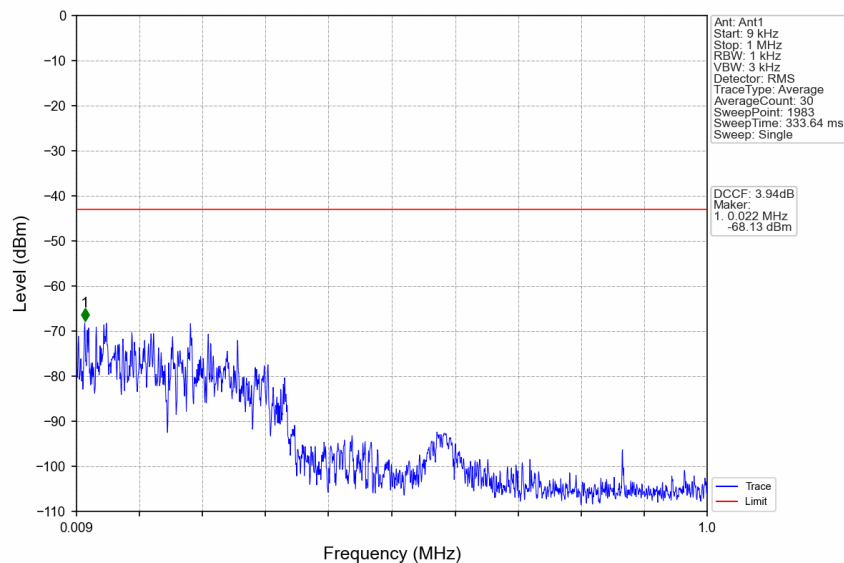
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n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3705MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3705MHz_Edge_1RB_Left



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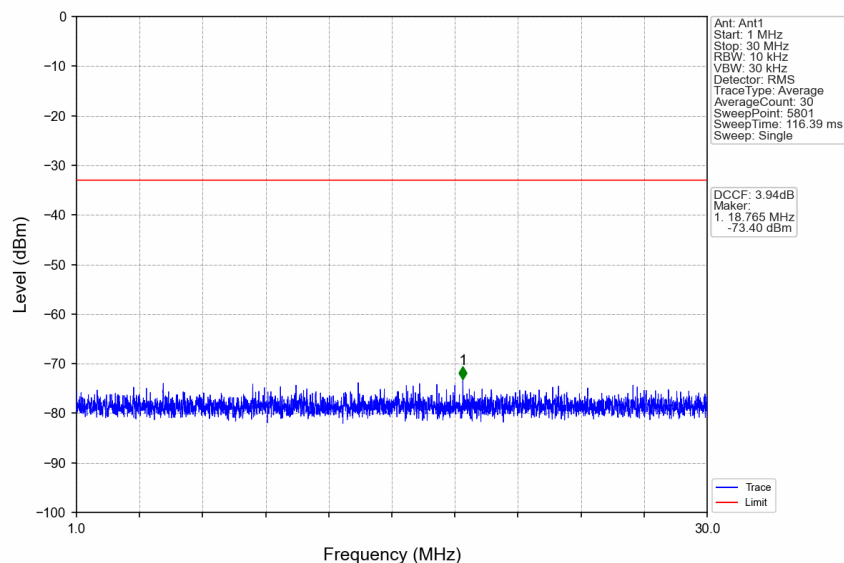


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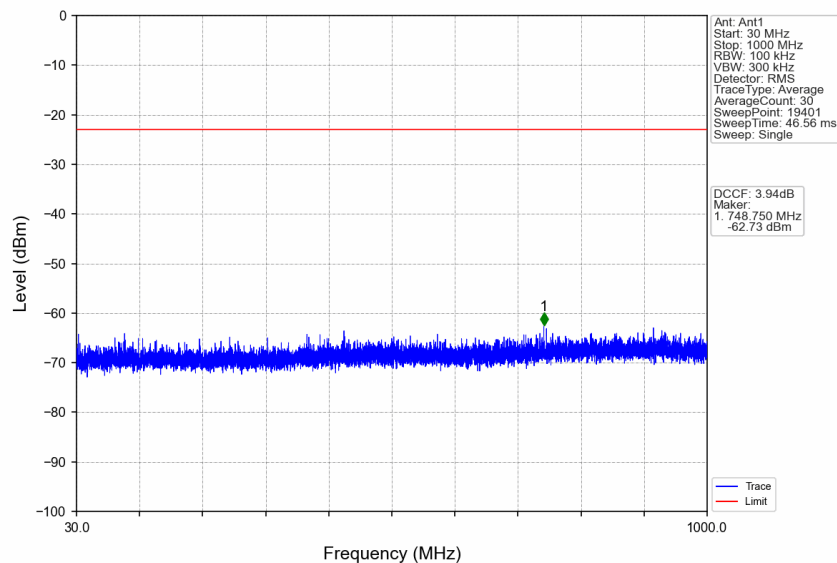
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n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3705MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3705MHz_Edge_1RB_Left



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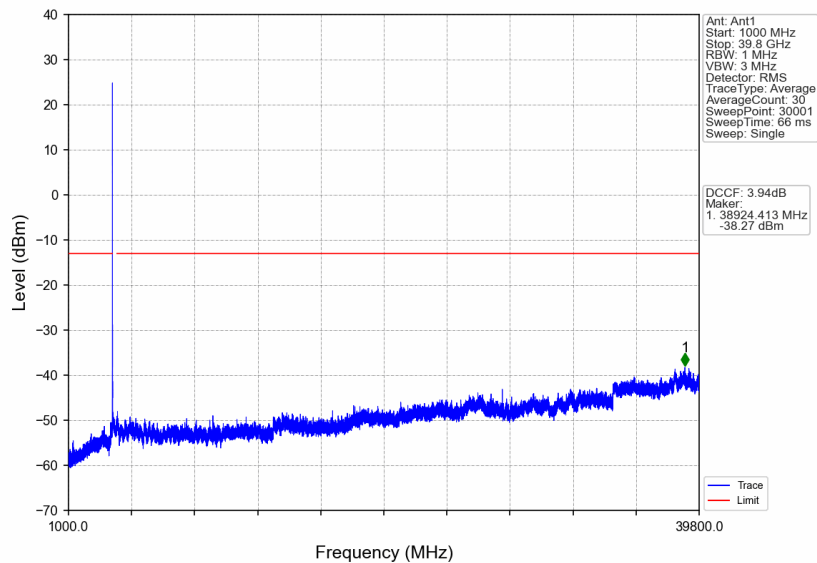


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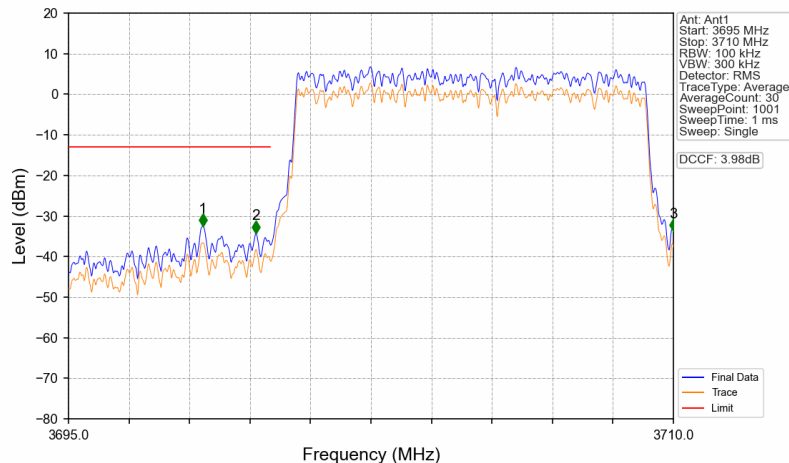
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n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3705MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3705MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.330	-32.62	-13	Pass
3699	3700	0.1	/	2	3699.650	-34.23	-13	Pass
3700	3710	0.1	/	3	3710.000	-33.75	-13	Pass



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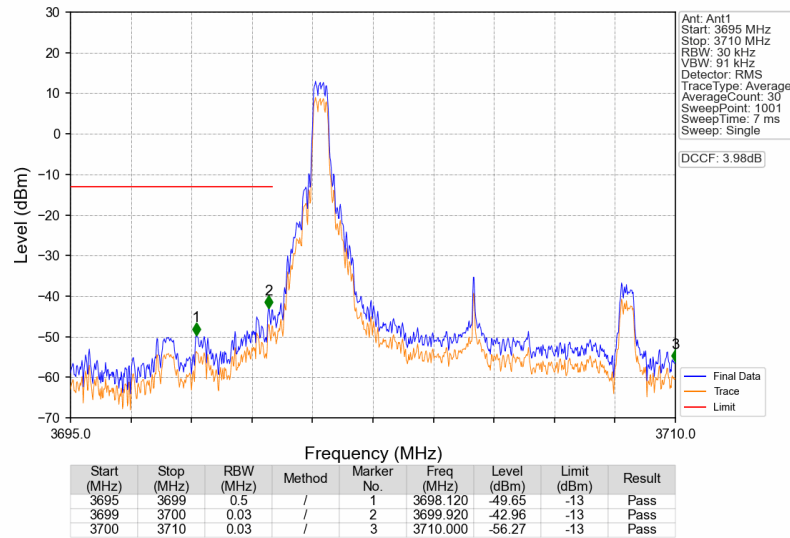
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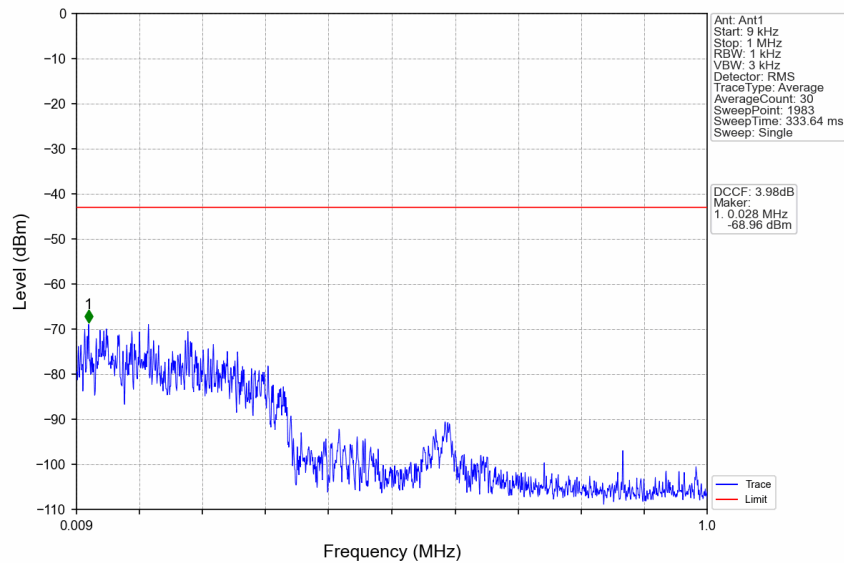
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n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3705MHz_Inner_1RB_Left



n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3840MHz_Edge_1RB_Left



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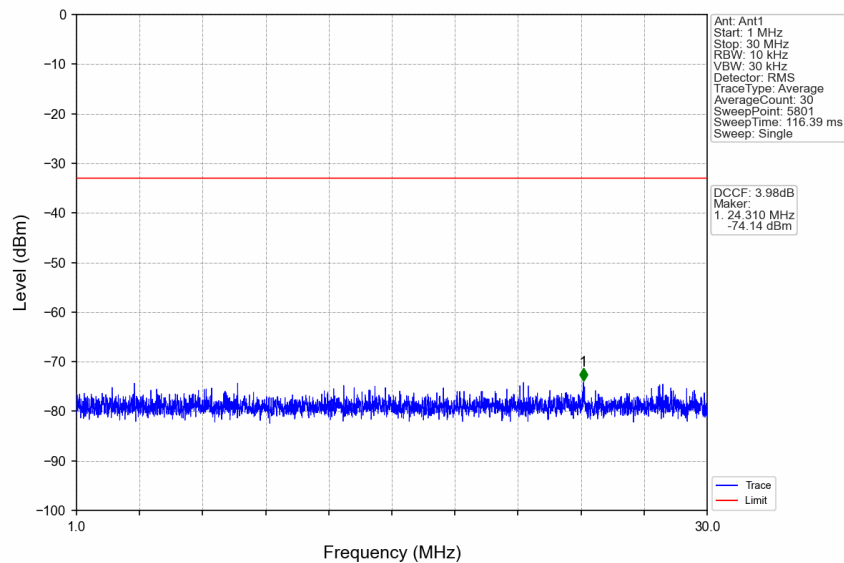


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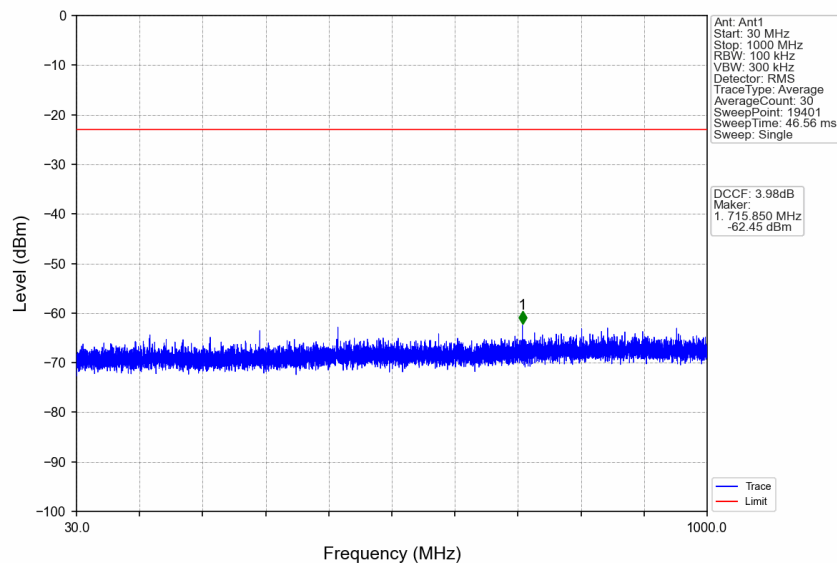
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n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3840MHz_Edge_1RB_Left



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