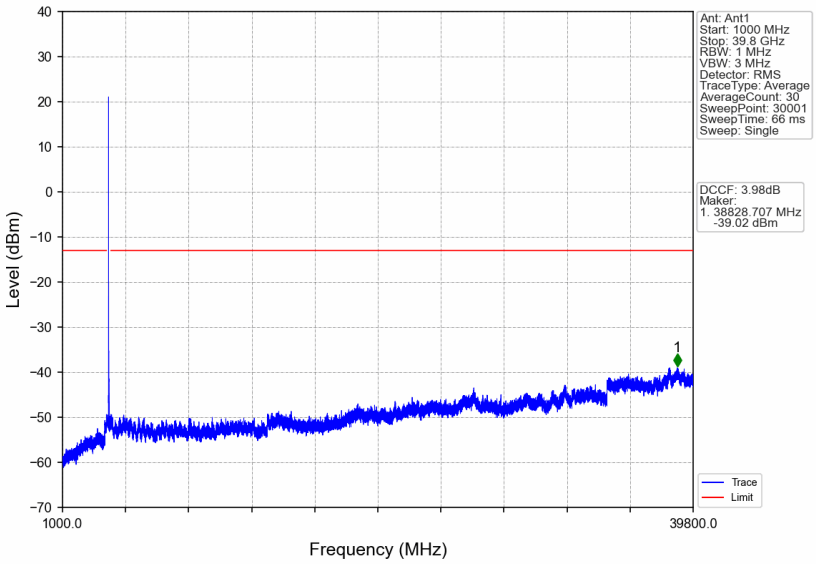
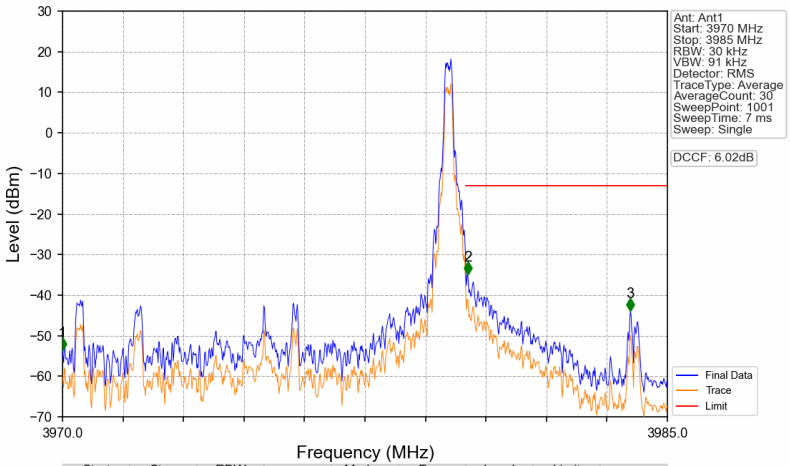
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left



n77a_15kHz_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	-53.67	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.050	-34.97	-13	Pass
3981	3985	0.5	/	3	3984.085	-43.89	-13	Pass

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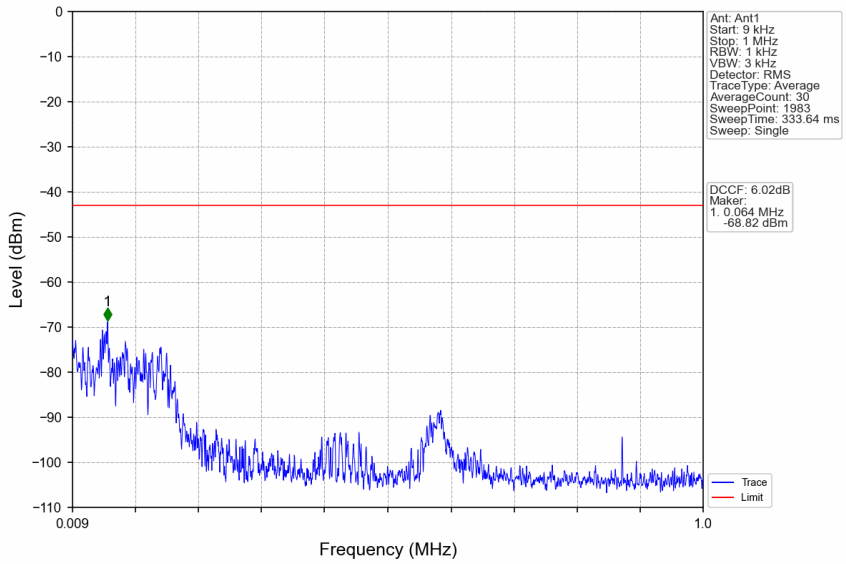
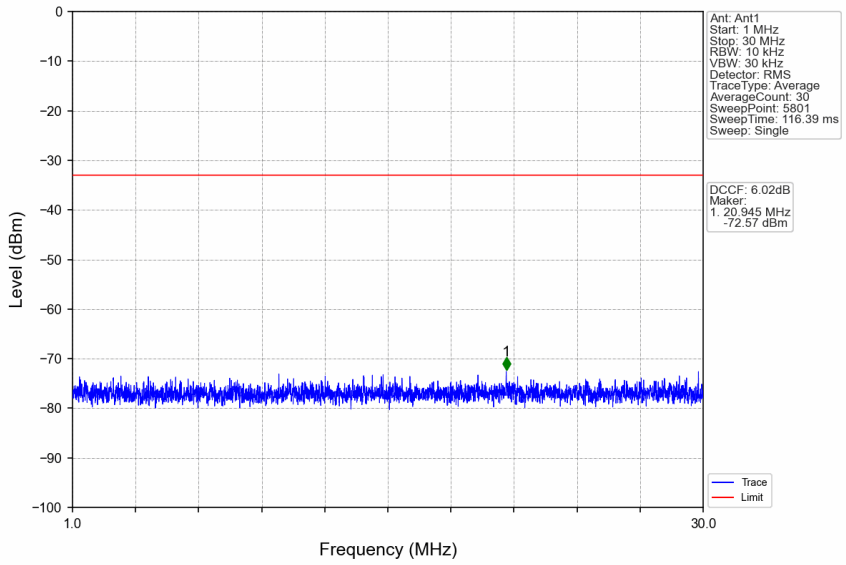
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3975MHz_Edge_1RB_Right



n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3975MHz_Edge_1RB_Right



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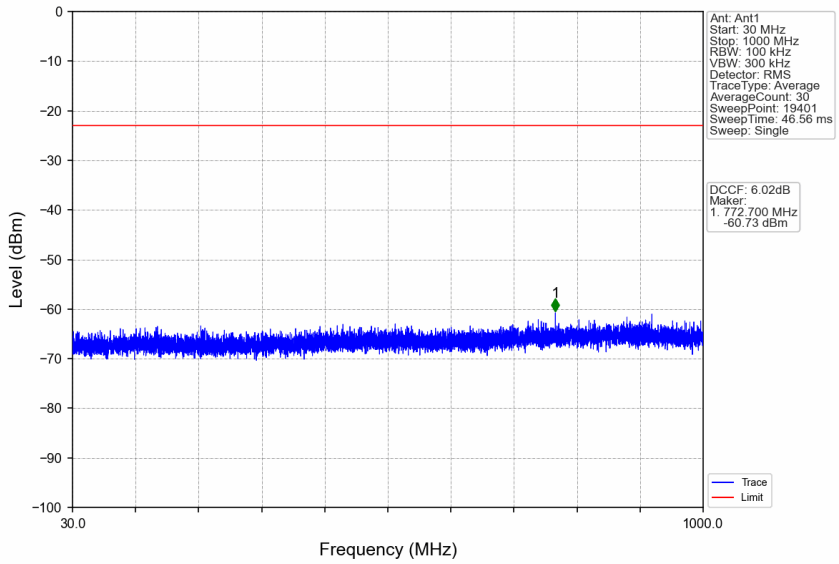
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3975MHz_Edge_1RB_Right



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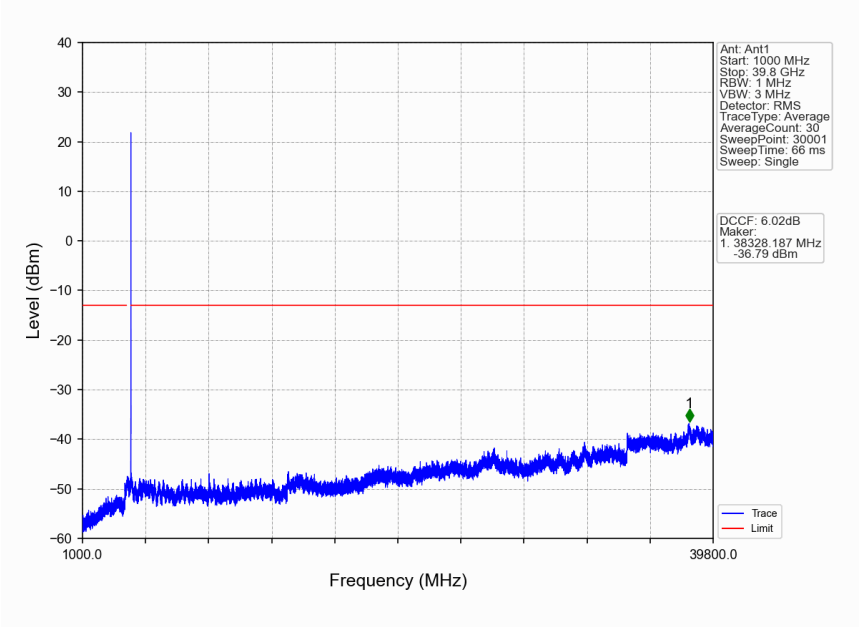

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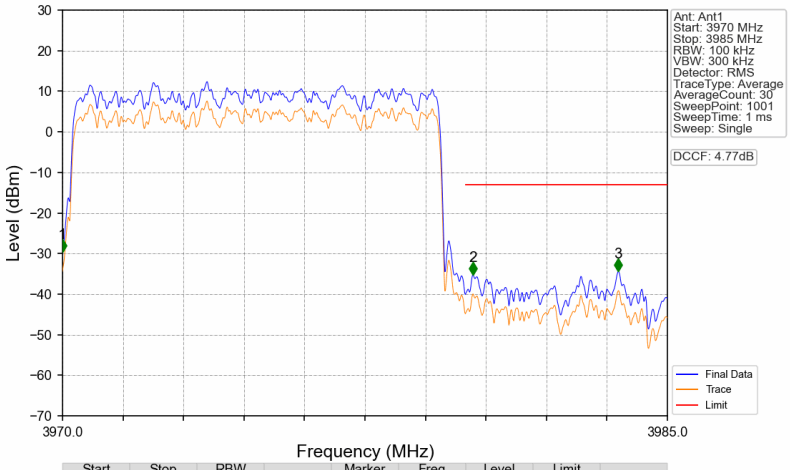
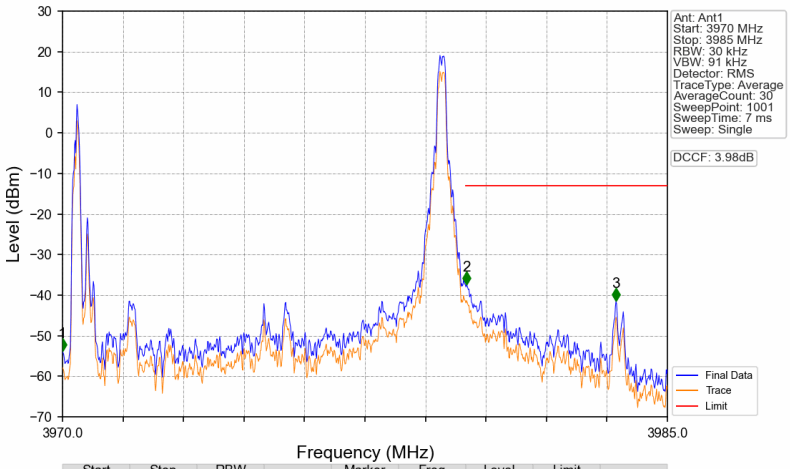
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3975MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3970	3980	0.1	/	1	3970.000	-29.61	-13	Pass
3980	3980	0.1	/	/	/	/	/	/
3980	3981	0.1	/	2	3980.185	-35.22	-13	Pass
3981	3985	0.5	/	3	3983.785	-34.39	-13	Pass

n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_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	-53.81	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.020	-37.34	-13	Pass
3981	3985	0.5	/	3	3983.725	-41.47	-13	Pass

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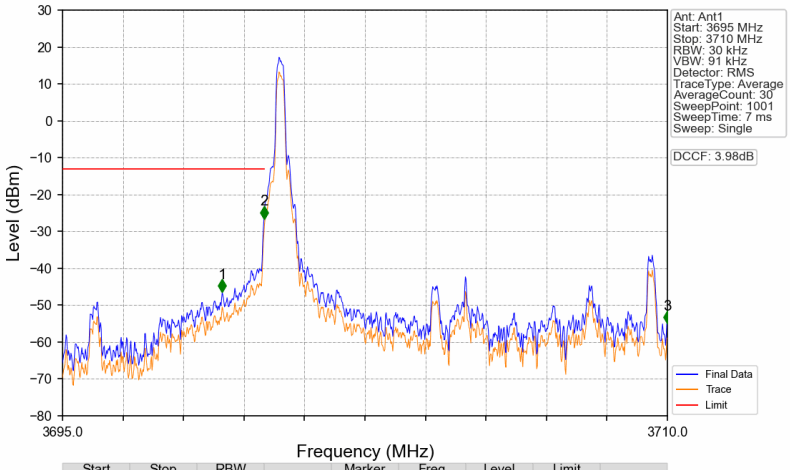
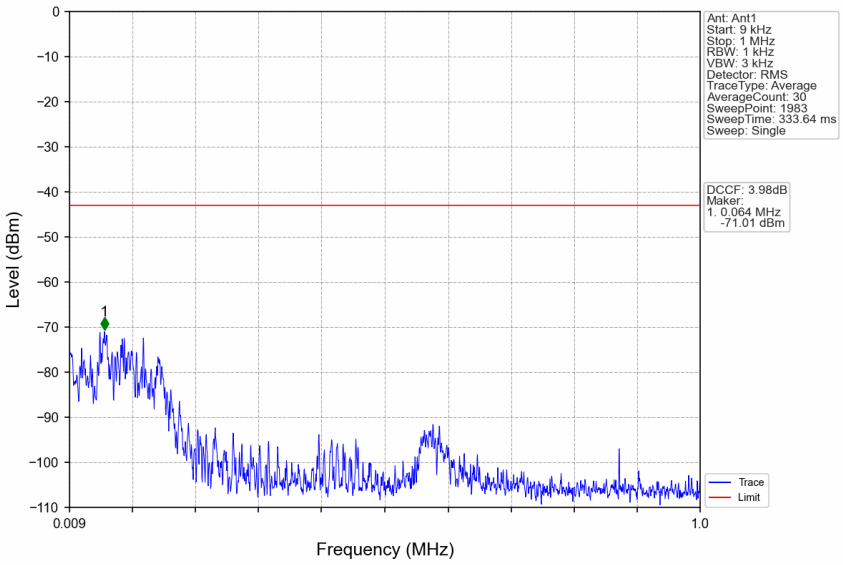
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3705MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.960	-46.50	-13	Pass
3699	3700	0.03	/	2	3699.995	-26.56	-13	Pass
3700	3710	0.03	/	3	3710.000	-55.04	-13	Pass

n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3705MHz_Edge_1RB_Left



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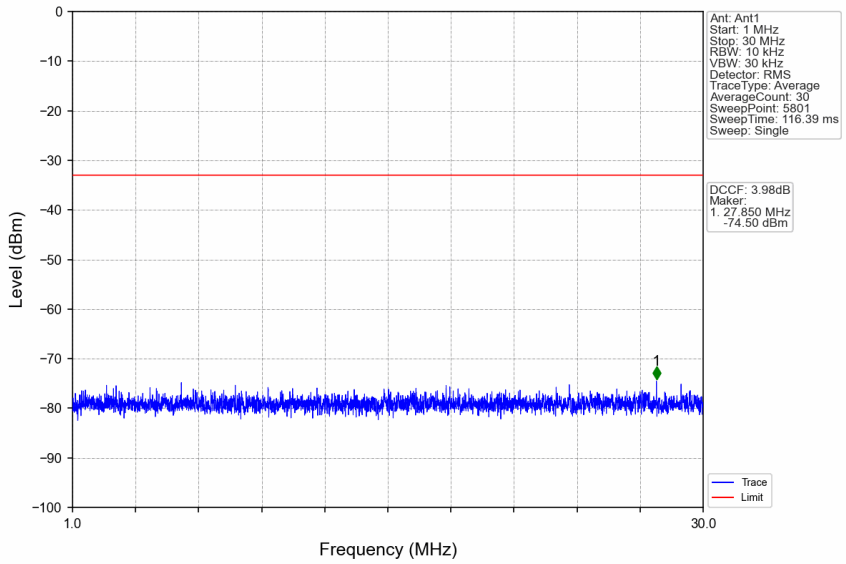
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3705MHz_Edge_1RB_Left



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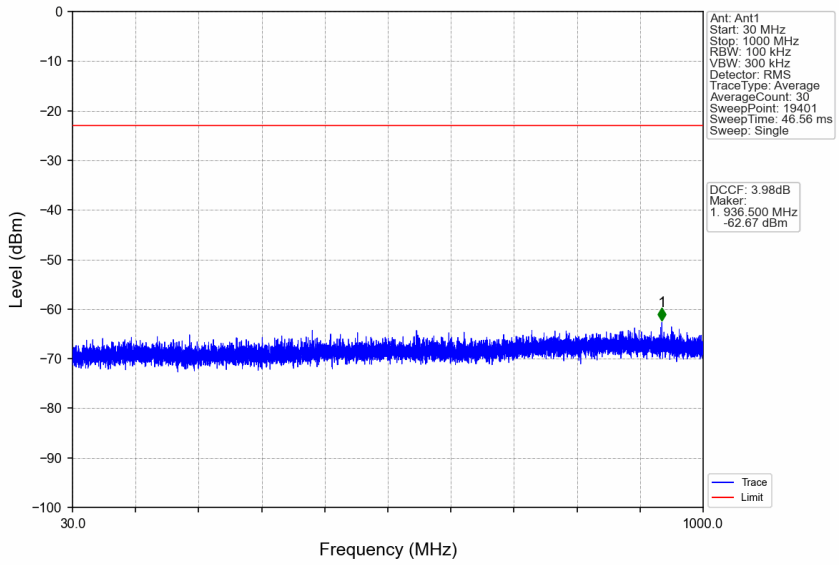

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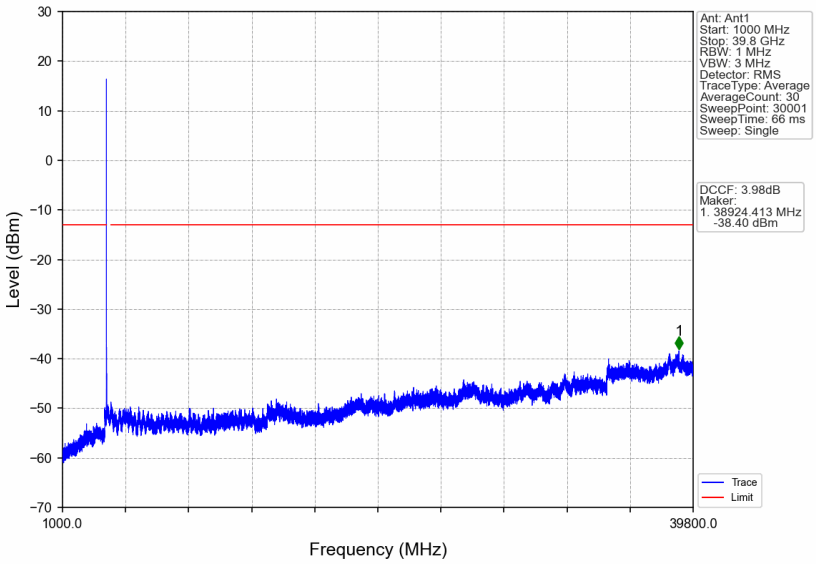
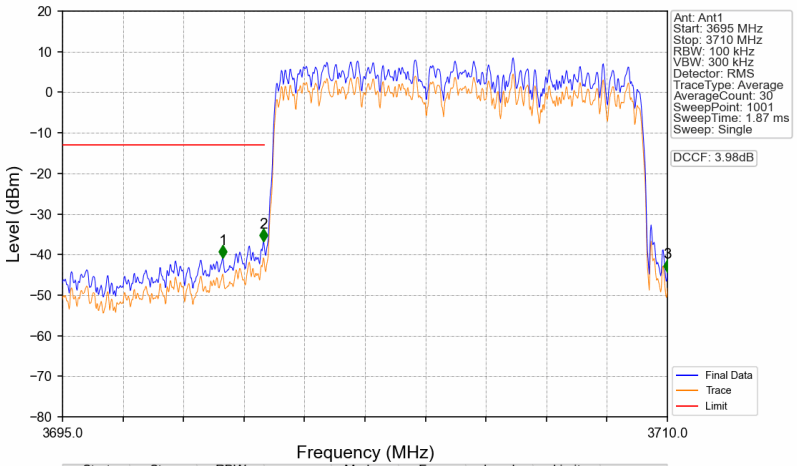


n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3705MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.975	-40.82	-13	Pass
3699	3700	0.1	/	2	3699.980	-36.81	-13	Pass
3700	3710	0.1	/	3	3710.000	-44.29	-13	Pass

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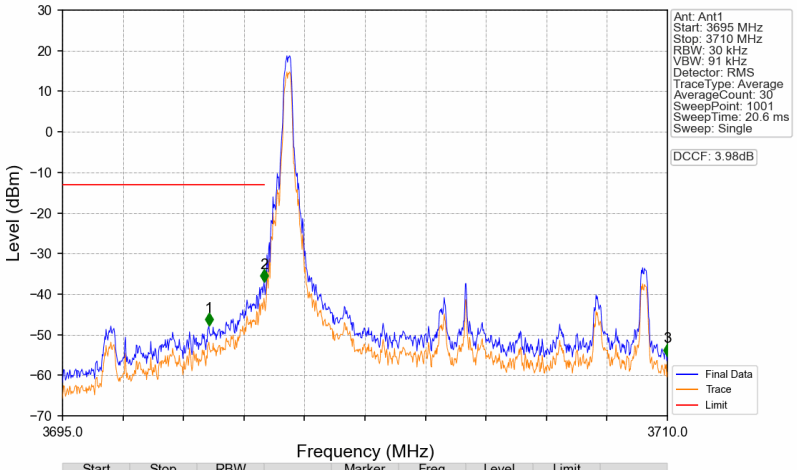
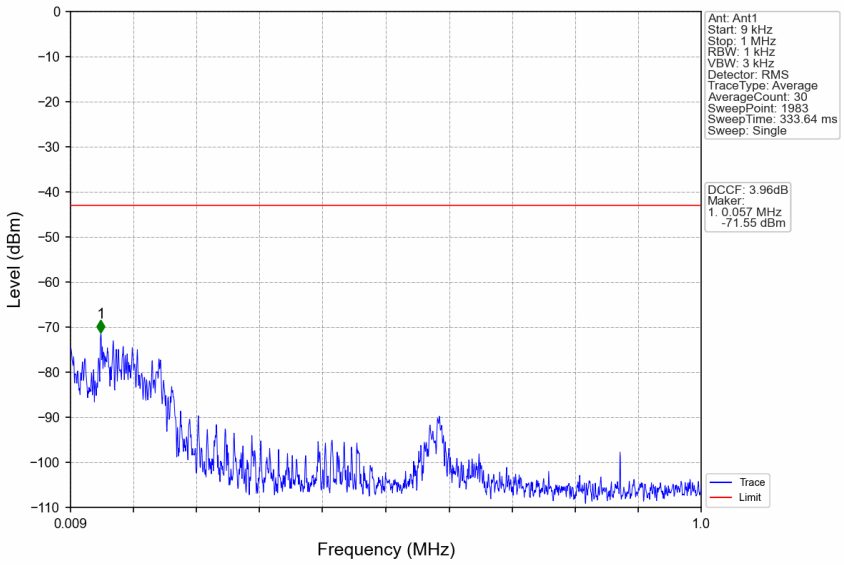


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.630	-47.84	-13	Pass
3699	3700	0.03	/	2	3699.995	-37.05	-13	Pass
3700	3710	0.03	/	3	3710.000	-55.30	-13	Pass

n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3840MHz_Edge_1RB_Left



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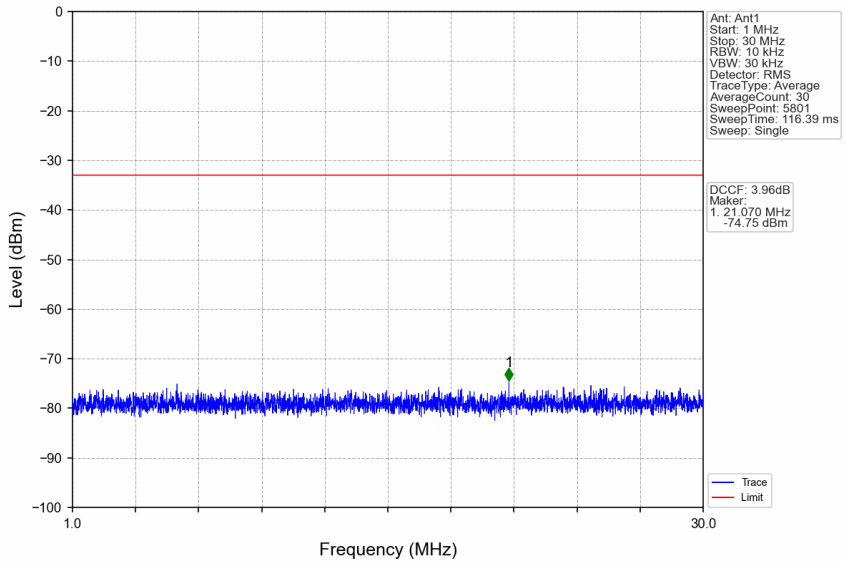
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3840MHz_Edge_1RB_Left



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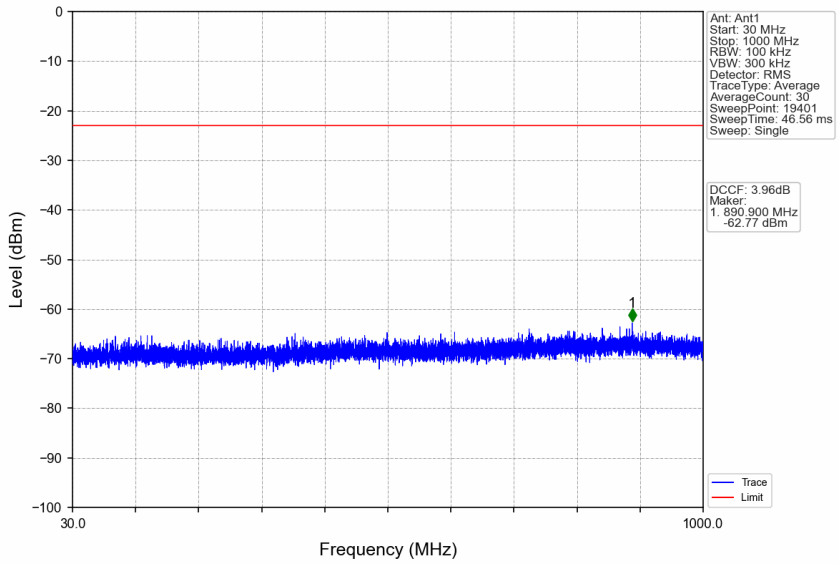

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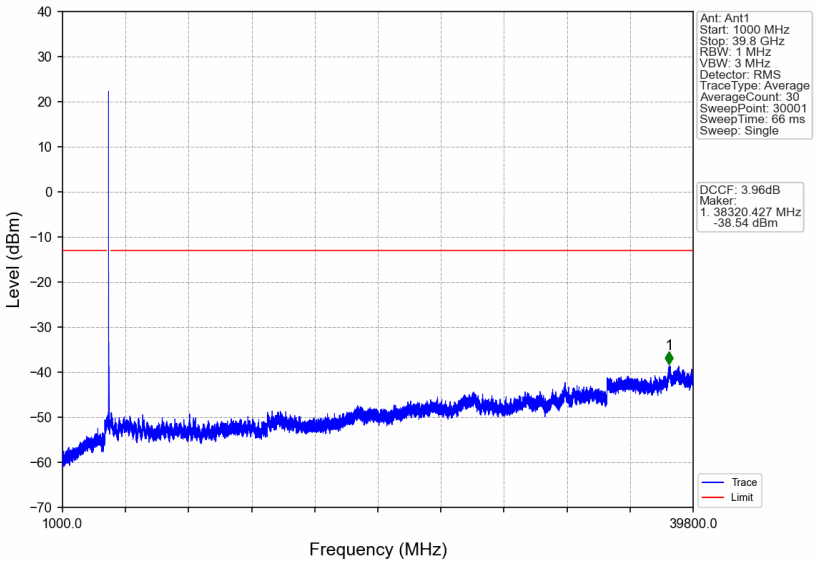

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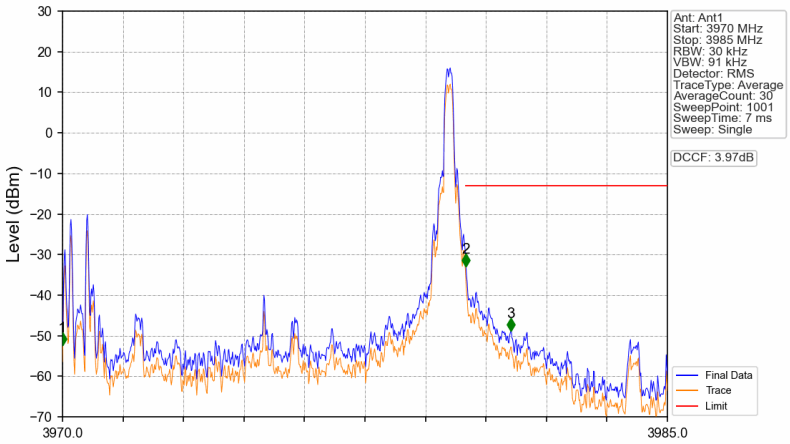

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3970	3980	0.03	/	1	3970.000	-52.43	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.005	-33.03	-13	Pass
3981	3985	0.5	/	3	3981.115	-48.83	-13	Pass

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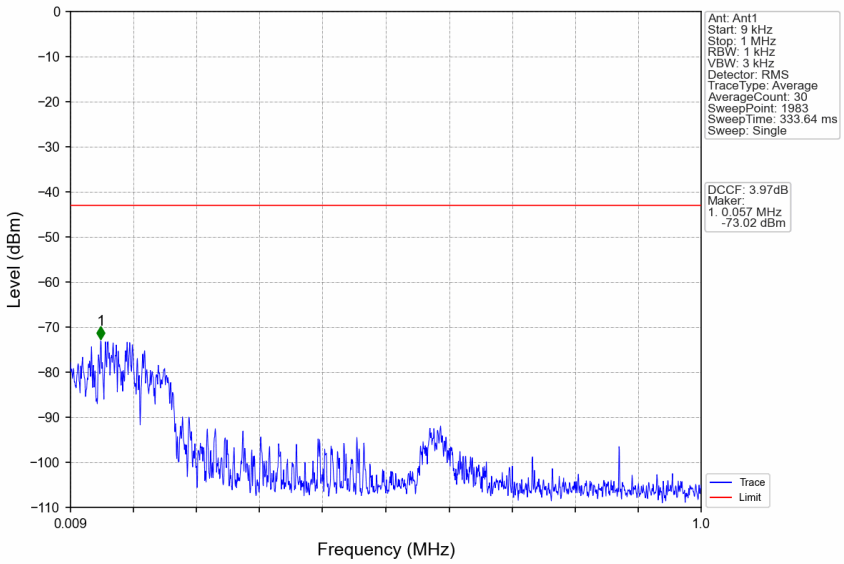
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3975MHz_Edge_1RB_Right



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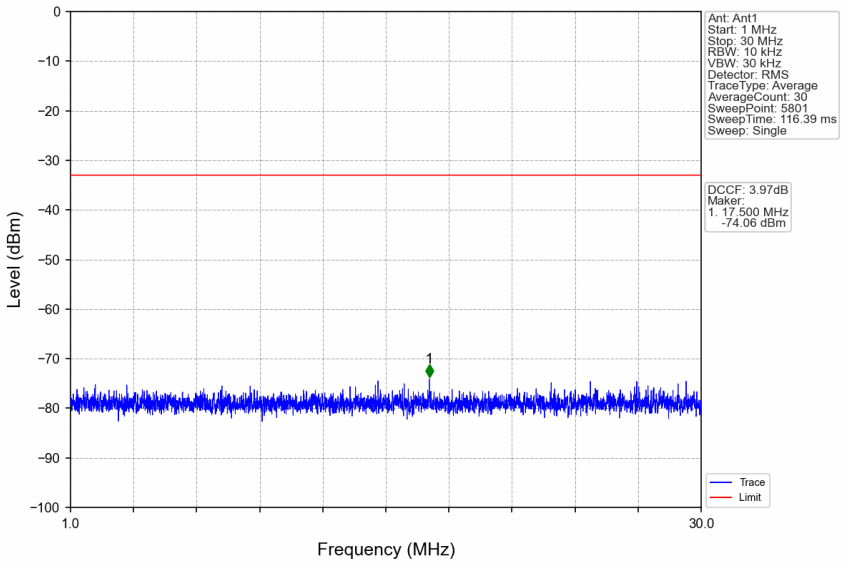

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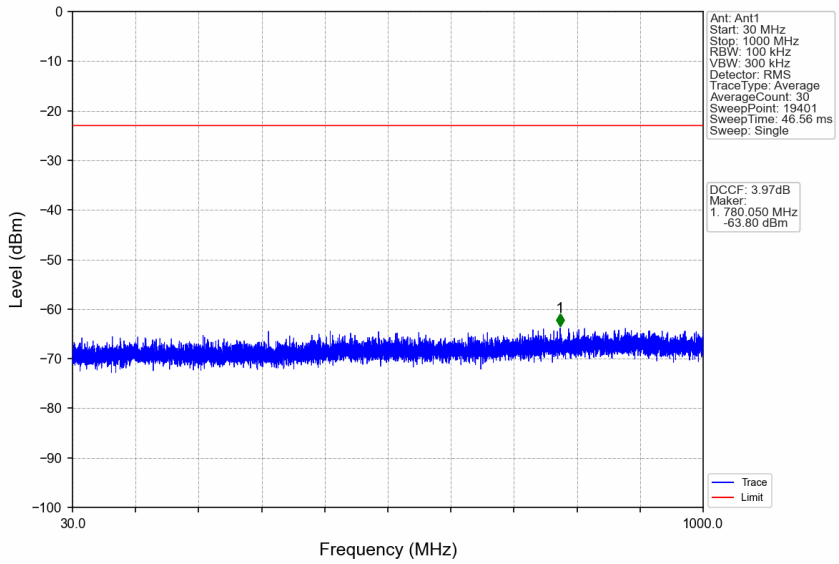
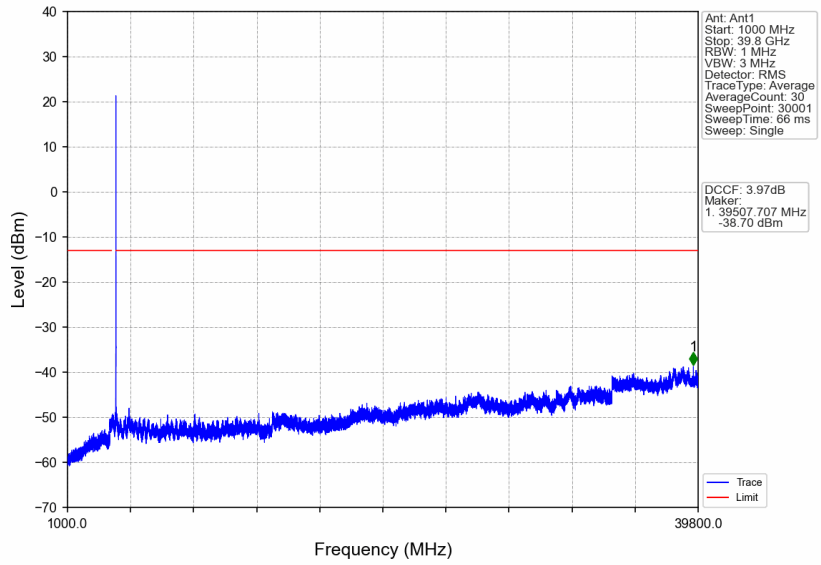


n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3975MHz_Edge_1RB_Right



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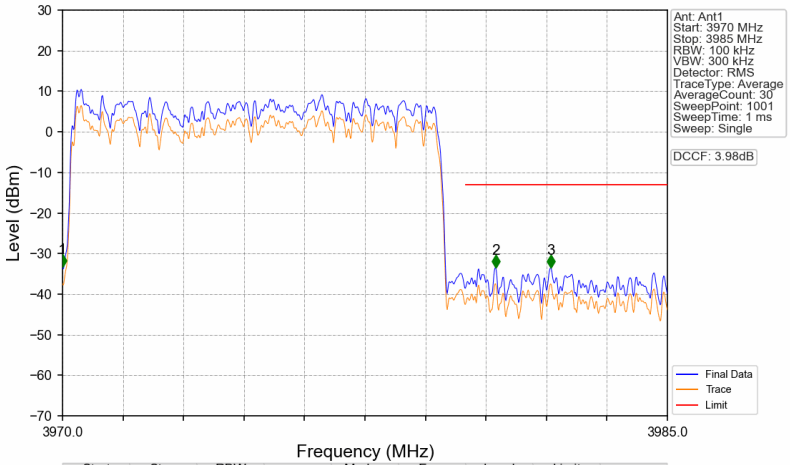
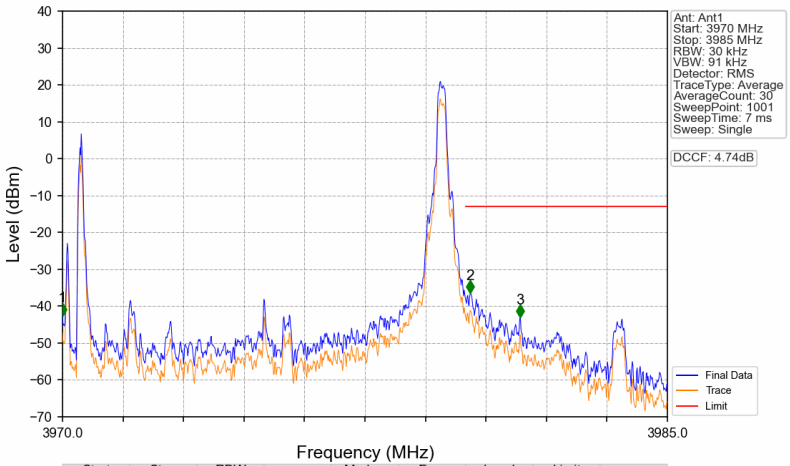
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3975MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3970	3980	0.1	/	1	3970.000	-33.35	-13	Pass
3980	3980	0.1	/	/	/	/	/	/
3980	3981	0.1	/	2	3980.740	-33.49	-13	Pass
3981	3985	0.5	/	3	3982.105	-33.47	-13	Pass

n77a_15kHz_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	-42.55	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.110	-36.42	-13	Pass
3981	3985	0.5	/	3	3981.355	-43.06	-13	Pass

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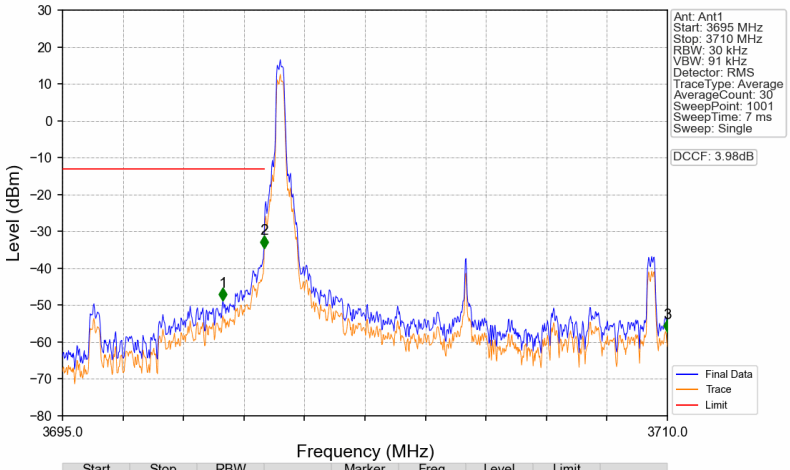
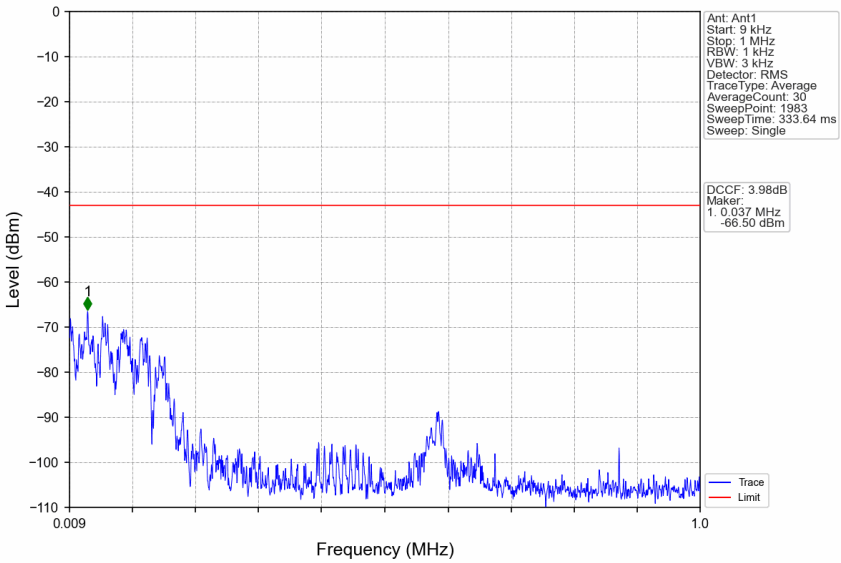
n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3705MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.975	-48.84	-13	Pass
3699	3700	0.03	/	2	3699.995	-34.50	-13	Pass
3700	3710	0.03	/	3	3710.000	-57.26	-13	Pass

n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3705MHz_Edge_1RB_Left



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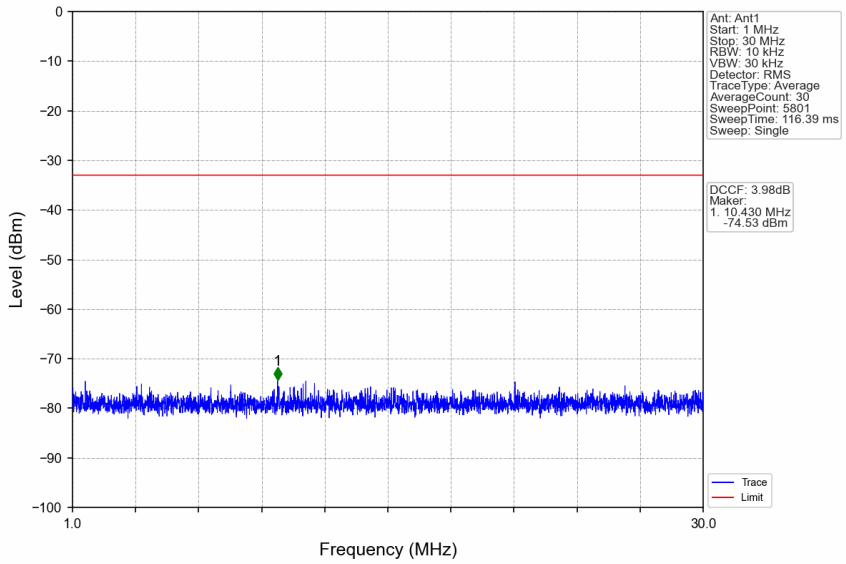

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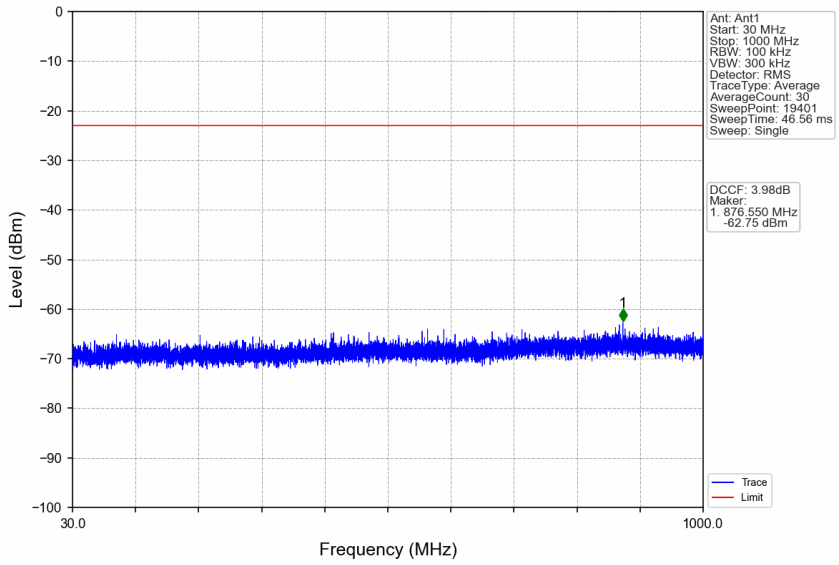

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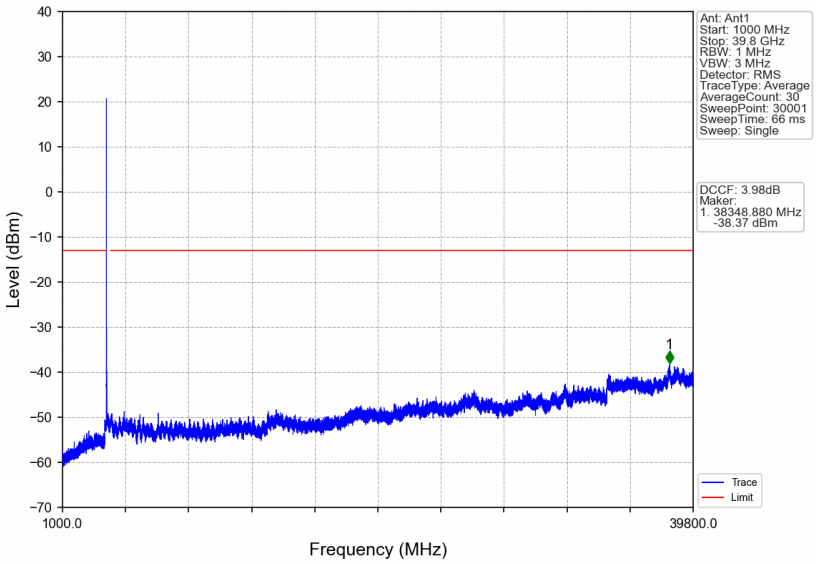

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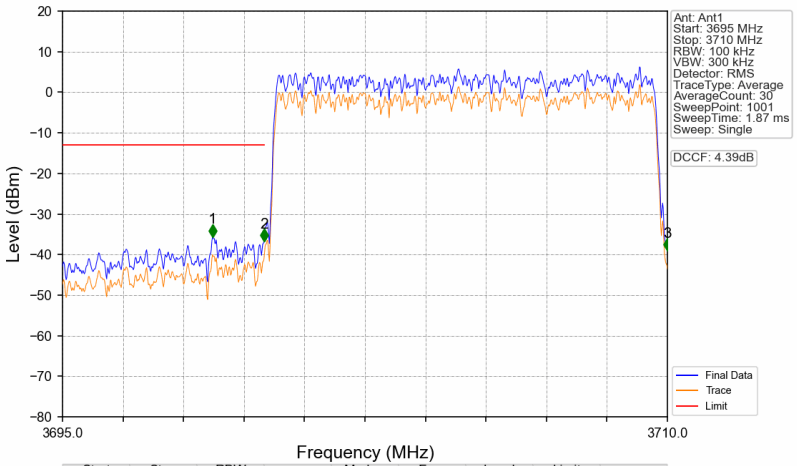

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.720	-35.66	-13	Pass
3699	3700	0.1	/	2	3699.995	-36.78	-13	Pass
3700	3710	0.1	/	3	3710.000	-39.16	-13	Pass

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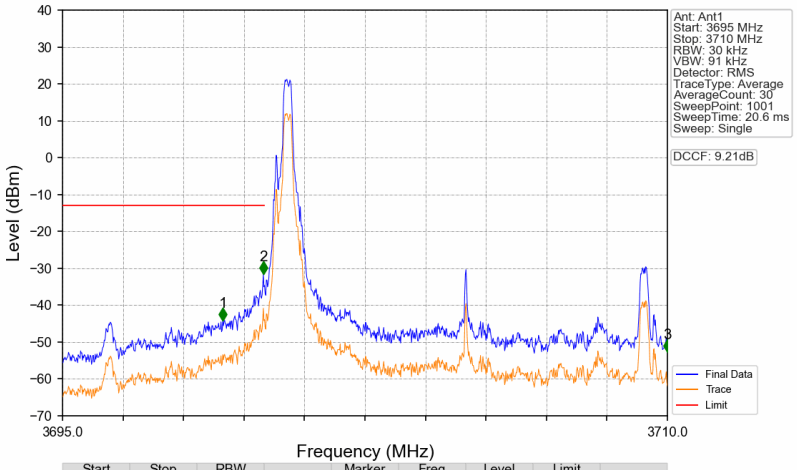
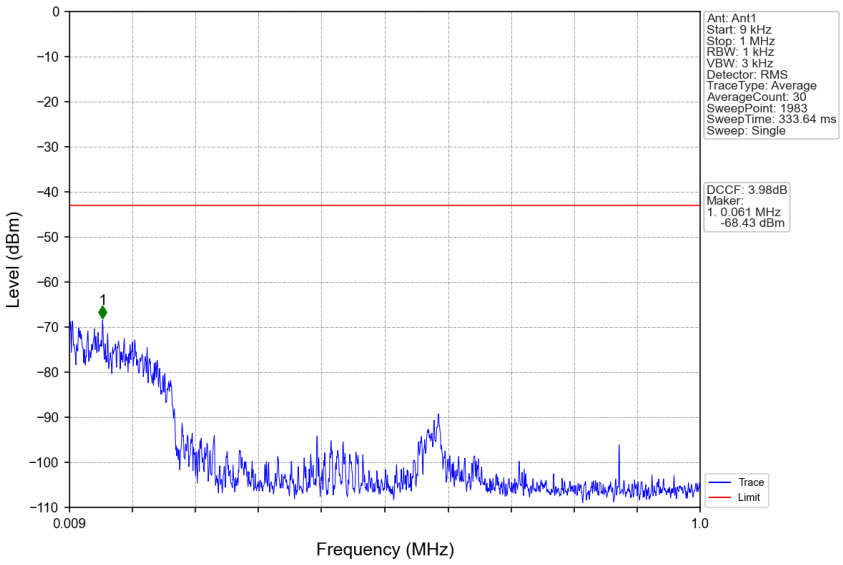


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.975	-44.16	-13	Pass
3699	3700	0.03	/	2	3699.980	-31.62	-13	Pass
3700	3710	0.03	/	3	3710.000	-52.74	-13	Pass

n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3840MHz_Edge_1RB_Left



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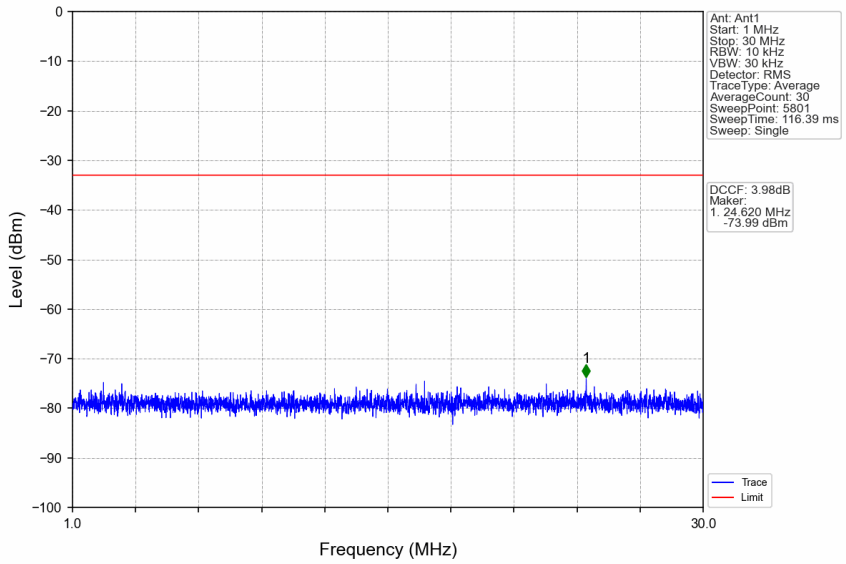
n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3840MHz_Edge_1RB_Left



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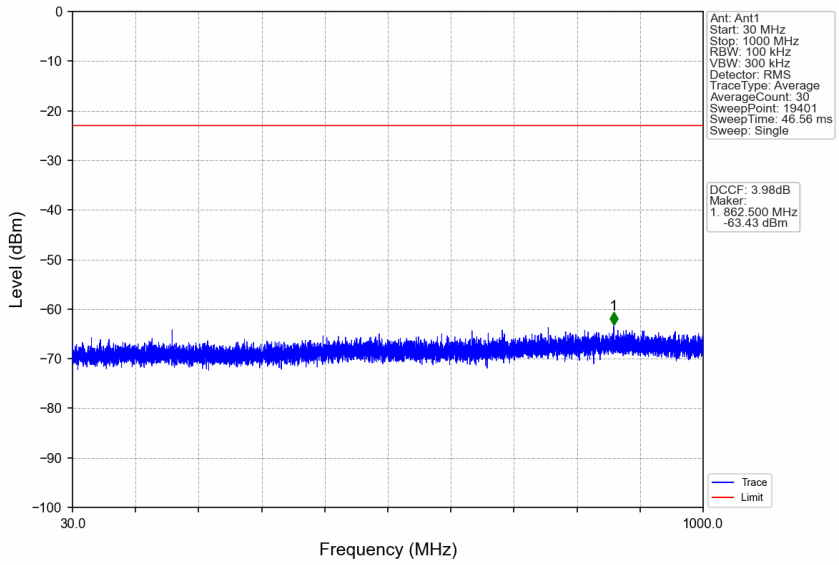

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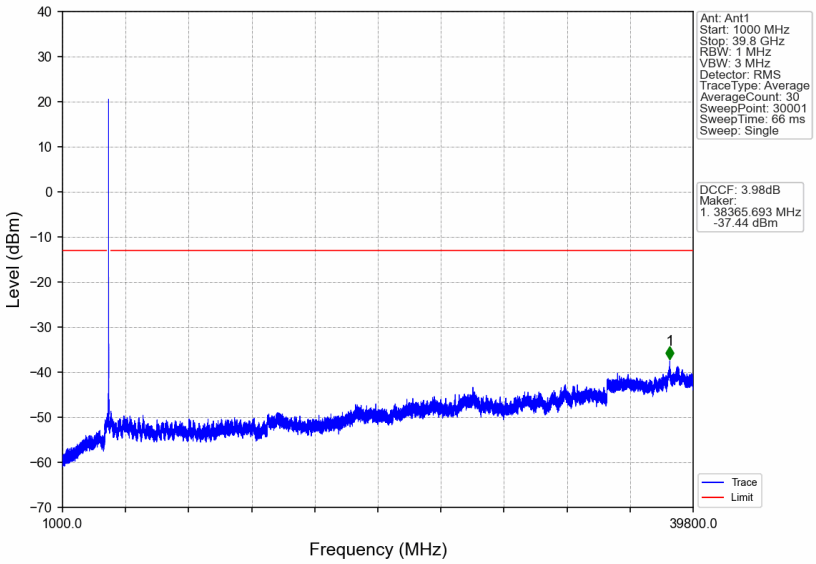
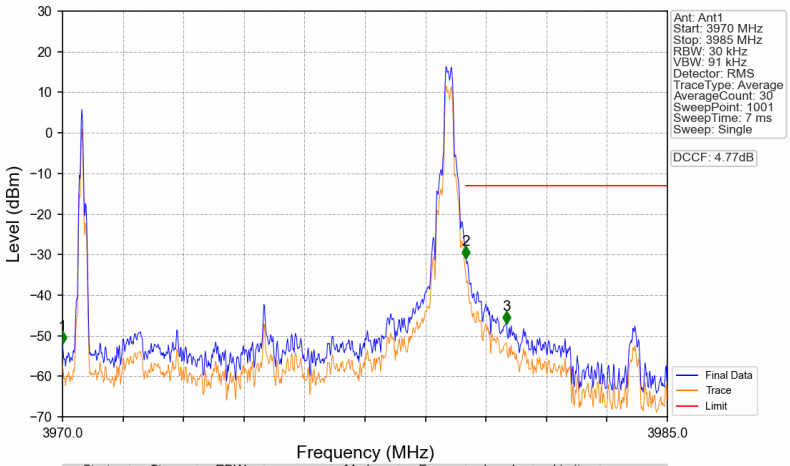


n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3975MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3970	3980	0.03	/	1	3970.000	-52.06	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.005	-31.04	-13	Pass
3981	3985	0.5	/	3	3981.010	-47.11	-13	Pass

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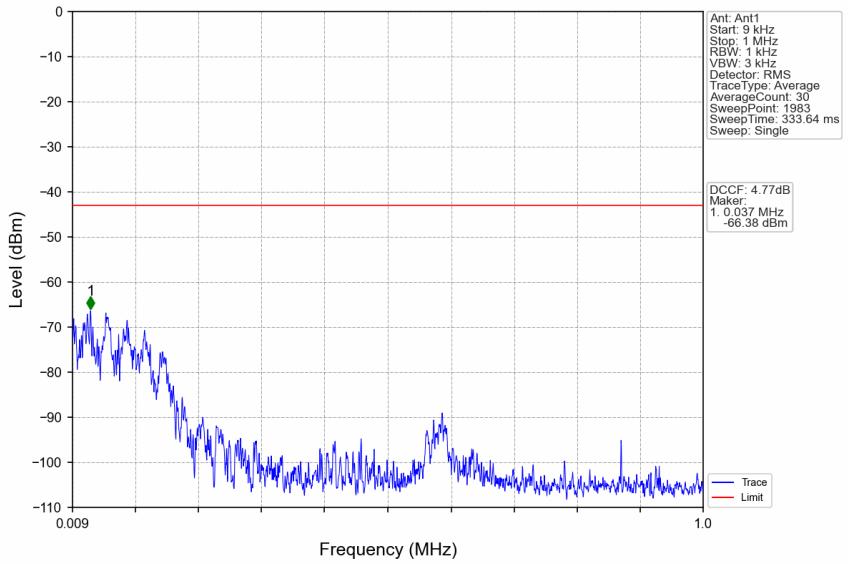
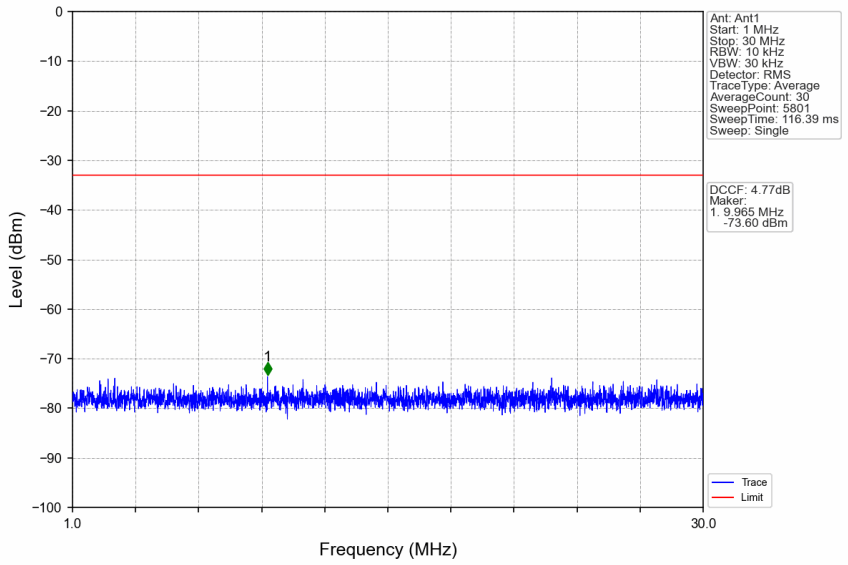
n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3975MHz_Edge_1RB_Right



n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3975MHz_Edge_1RB_Right



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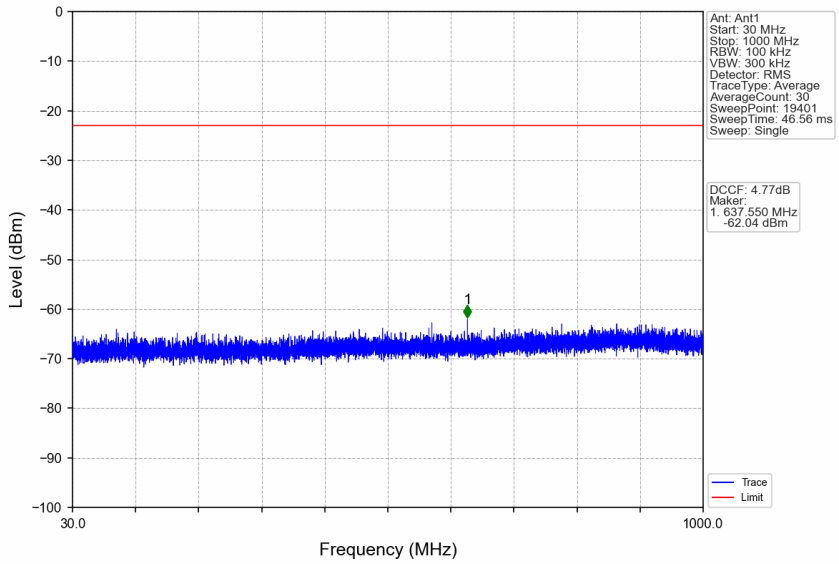
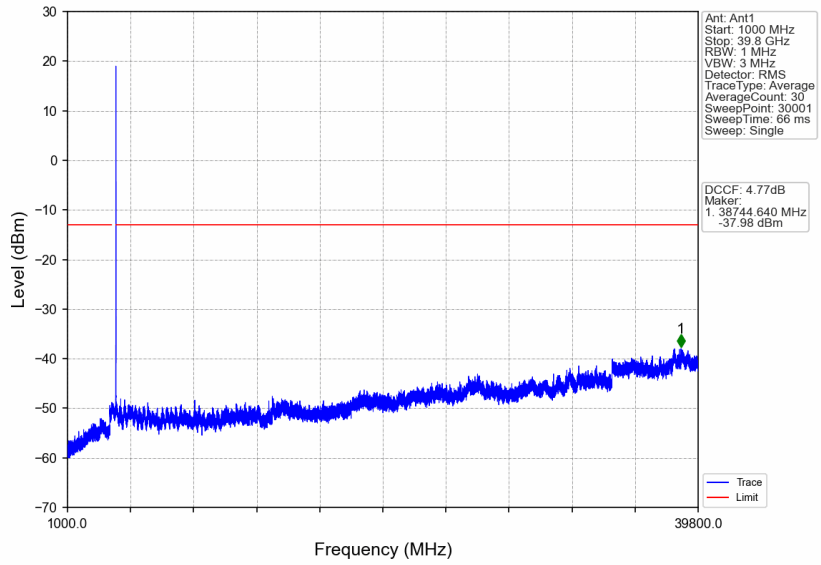
n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3975MHz_Edge_1RB_Right



n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3975MHz_Edge_1RB_Right



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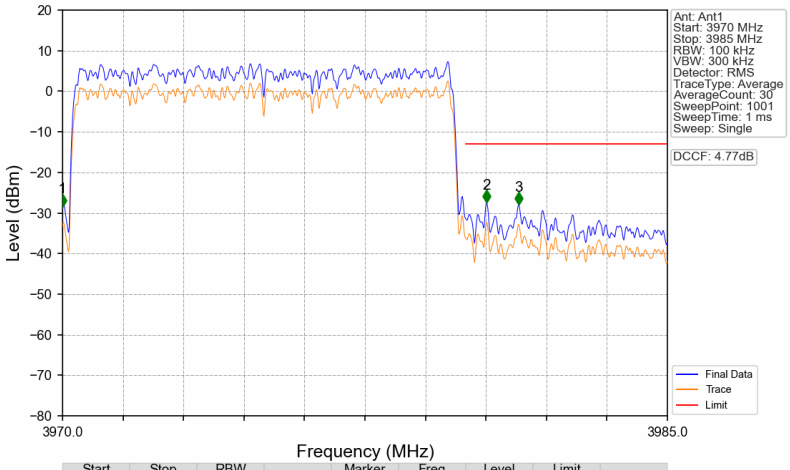
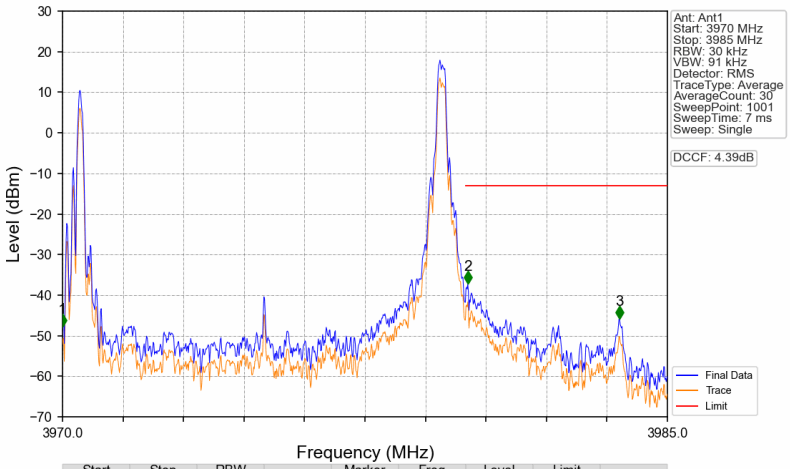
n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3975MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3970	3980	0.1	/	1	3970.000	-28.43	-13	Pass
3980	3980	0.1	/	/	/	/	/	/
3980	3981	0.1	/	2	3980.515	-27.47	-13	Pass
3981	3985	0.5	/	3	3981.310	-28.00	-13	Pass

n77a_15kHz_SISO_NTNV_10MHz_CP-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	-47.72	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.050	-37.27	-13	Pass
3981	3985	0.5	/	3	3983.815	-45.83	-13	Pass

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6.2 15k_SISO_15MHz_NTNV

6.2.1 Test Result

5G NR n77a SCS=15kHz SISO 15MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3707.505	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
	3972.495	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3707.505	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
	3972.495	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	3707.505	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
	3972.495	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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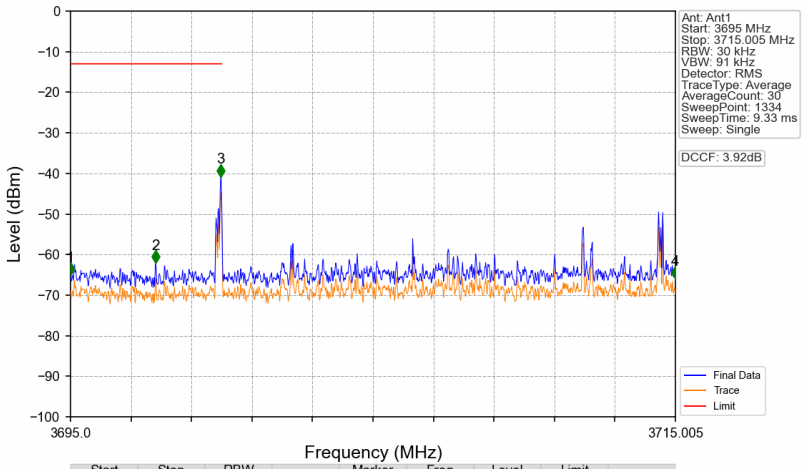
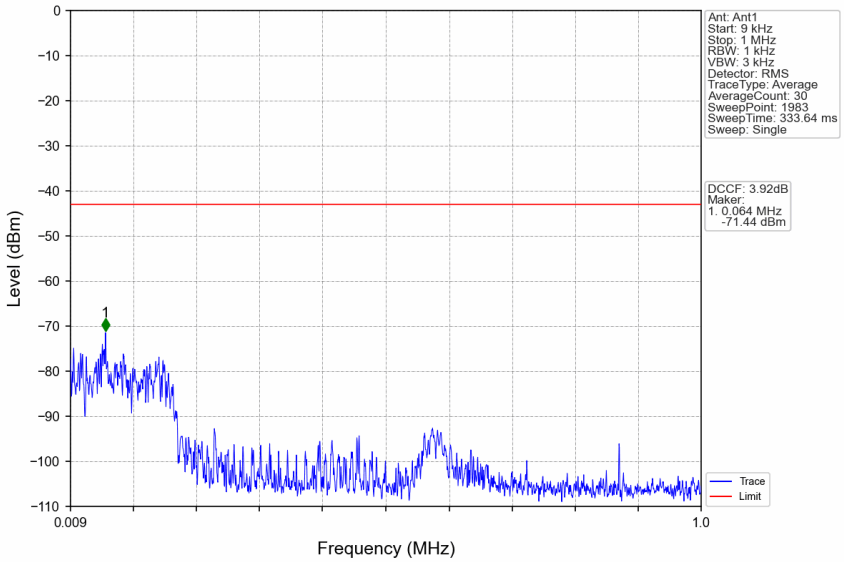
6.2.2 Test Graph

n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3707.505MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.005	1	/	1	3695.000	-65.07	-13	Pass
3695.005	3699.005	0.5	/	2	3697.821	-62.14	-13	Pass
3699.005	3700.005	0.03	/	3	3699.967	-40.83	-13	Pass
3700.005	3715.005	0.03	/	4	3715.005	-65.92	-13	Pass

n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3707.505MHz_Edge_1RB_Left



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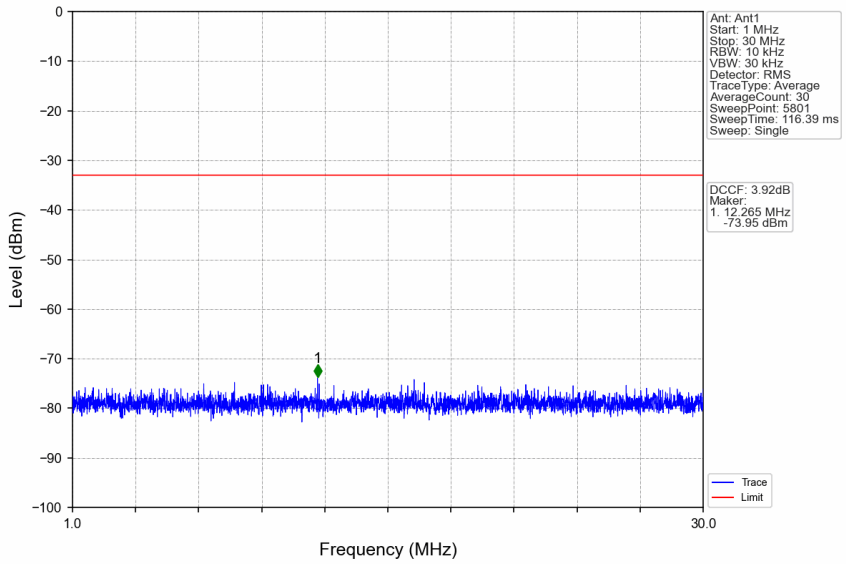
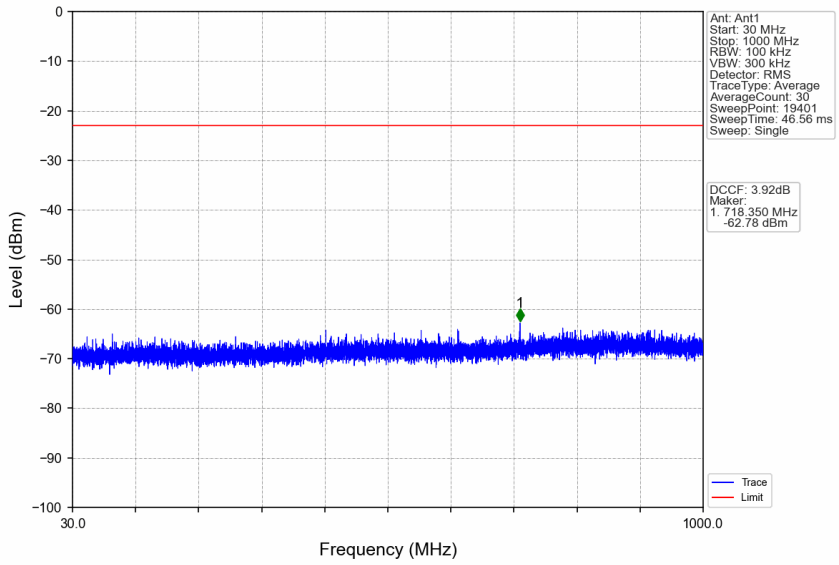


n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3707.505MHz_Edge_1RB_Left



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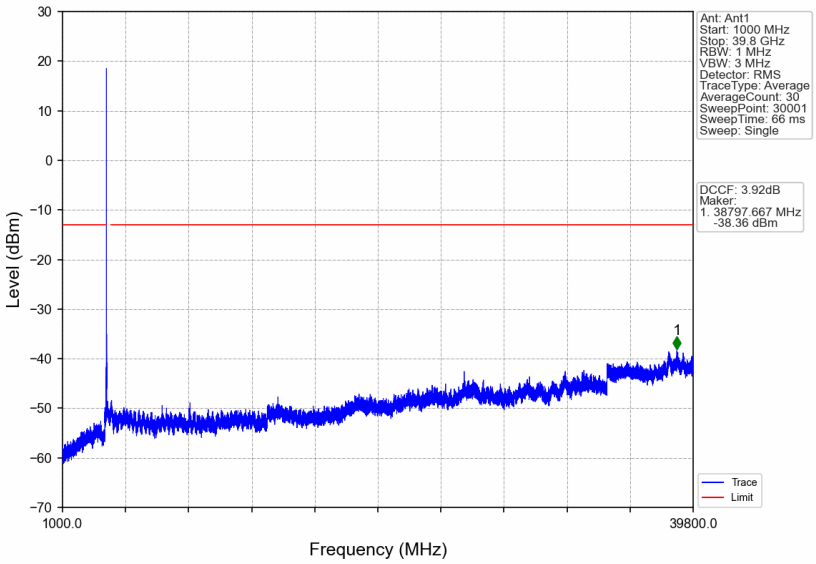
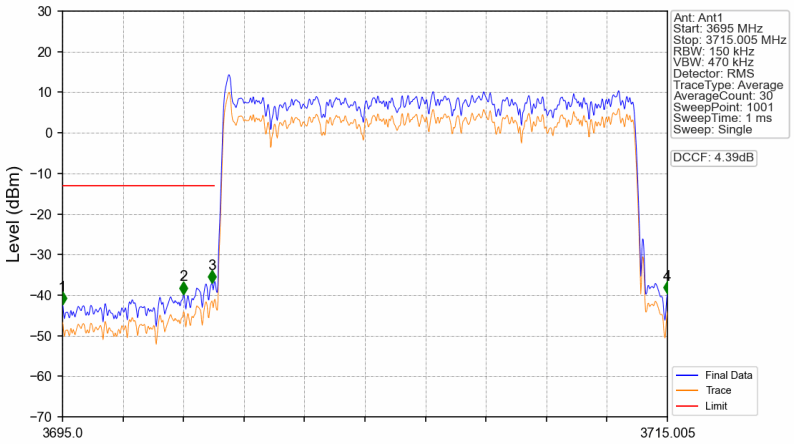


n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3707.505MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.005	1	/	1	3695.000	-42.26	-13	Pass
3695.005	3699.005	0.5	/	2	3699.001	-39.77	-13	Pass
3699.005	3700.005	0.15	/	3	3699.941	-37.04	-13	Pass
3700.005	3715.005	0.15	/	4	3715.005	-39.69	-13	Pass

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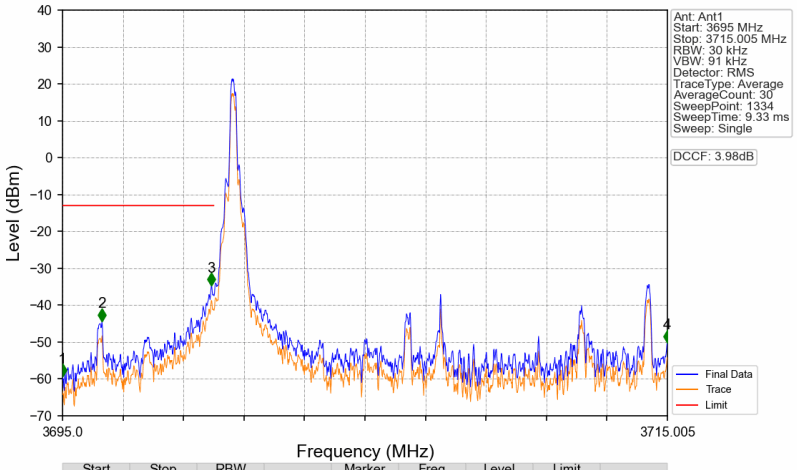
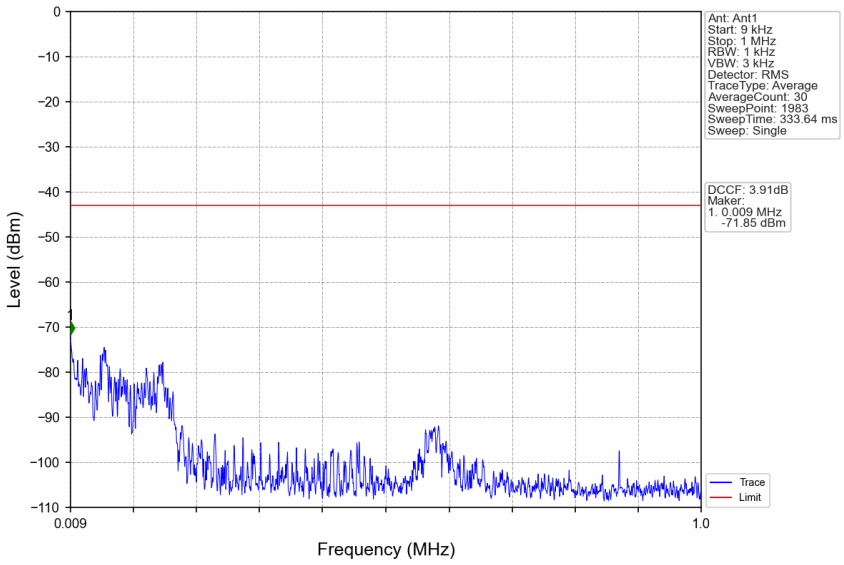
n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3707.505MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.005	1	/	1	3695.000	-59.40	-13	Pass
3695.005	3699.005	0.5	/	2	3696.306	-44.31	-13	Pass
3699.005	3700.005	0.03	/	3	3699.922	-34.74	-13	Pass
3700.005	3715.005	0.03	/	4	3715.005	-50.14	-13	Pass

n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left



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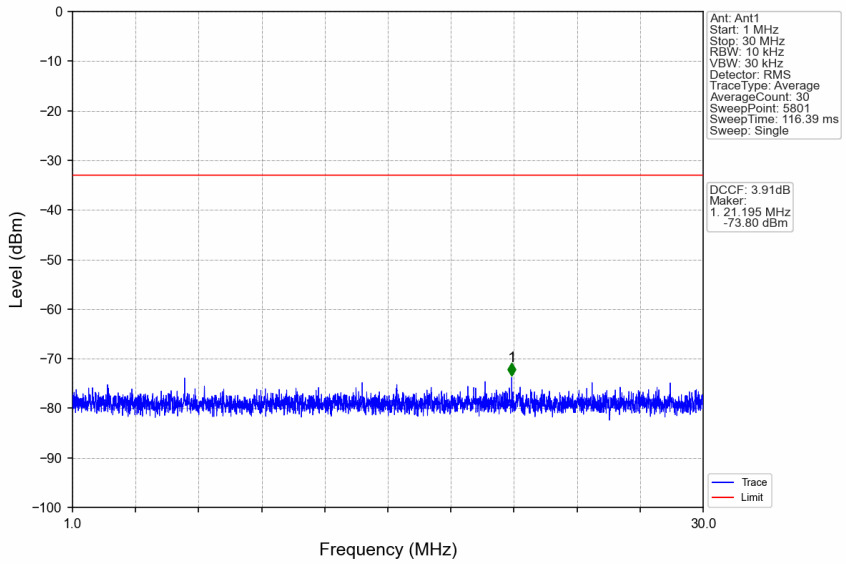
n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left



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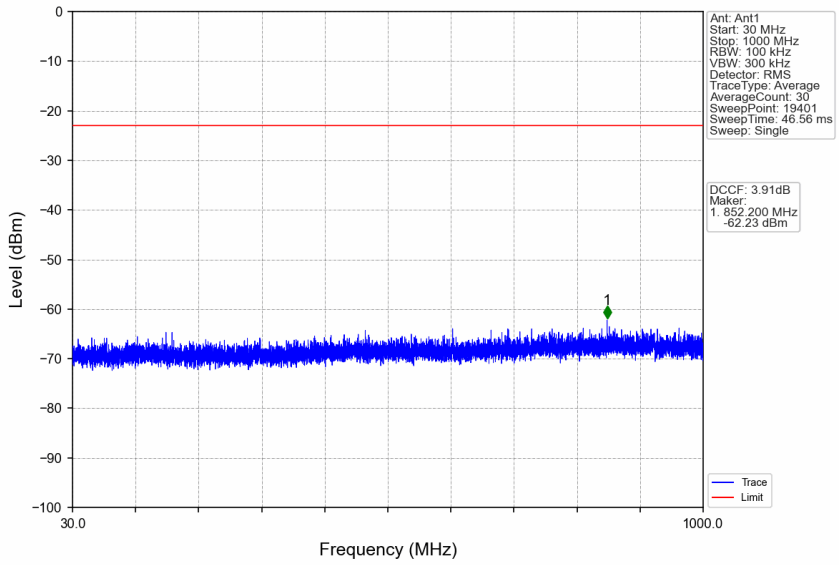

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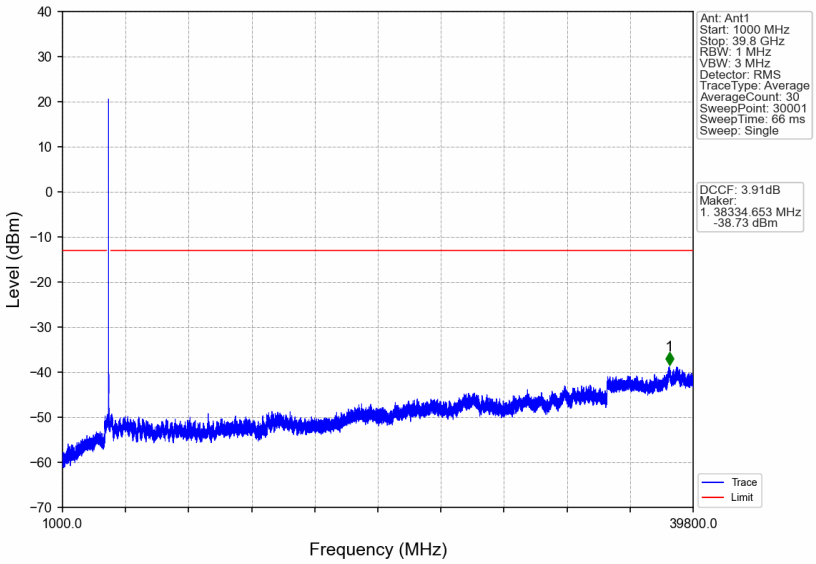
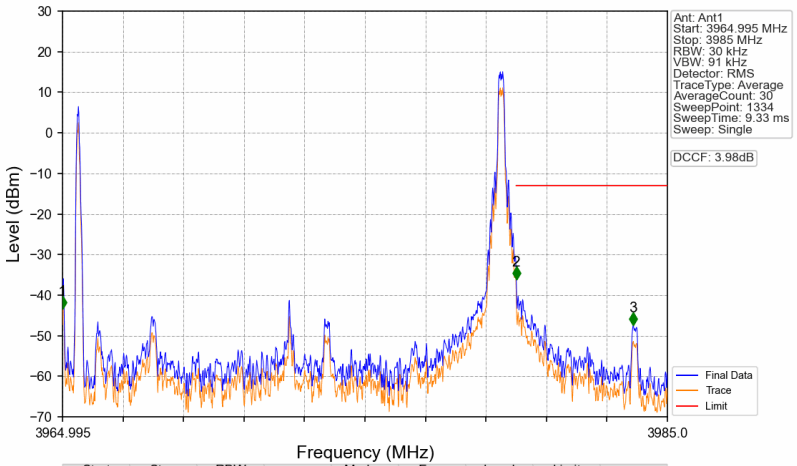


n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3972.495MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3964.995	3979.995	0.03	/	1	3964.995	-43.35	-13	Pass
3979.995	3979.995	0.03	/	/	/	/	/	/
3979.995	3980.995	0.03	/	2	3980.003	-36.21	-13	Pass
3980.995	3984.995	0.5	/	3	3983.874	-47.41	-13	Pass

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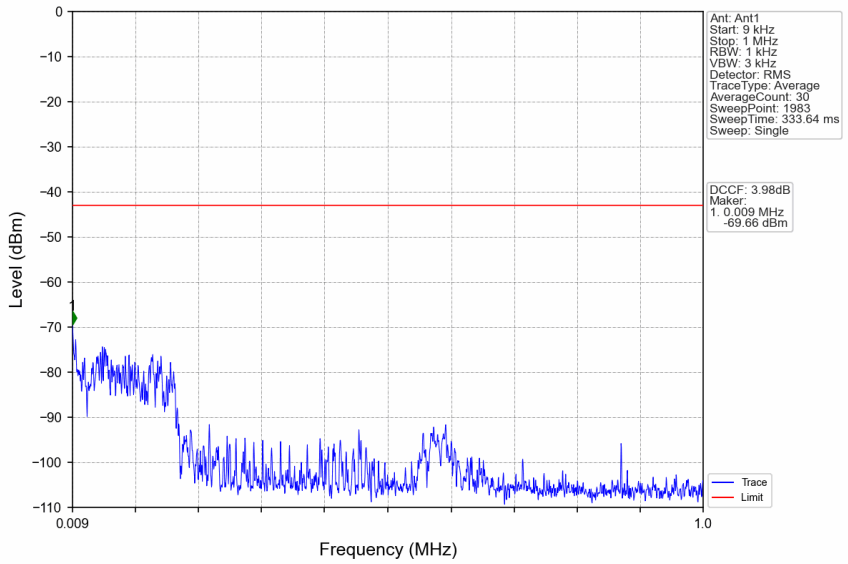
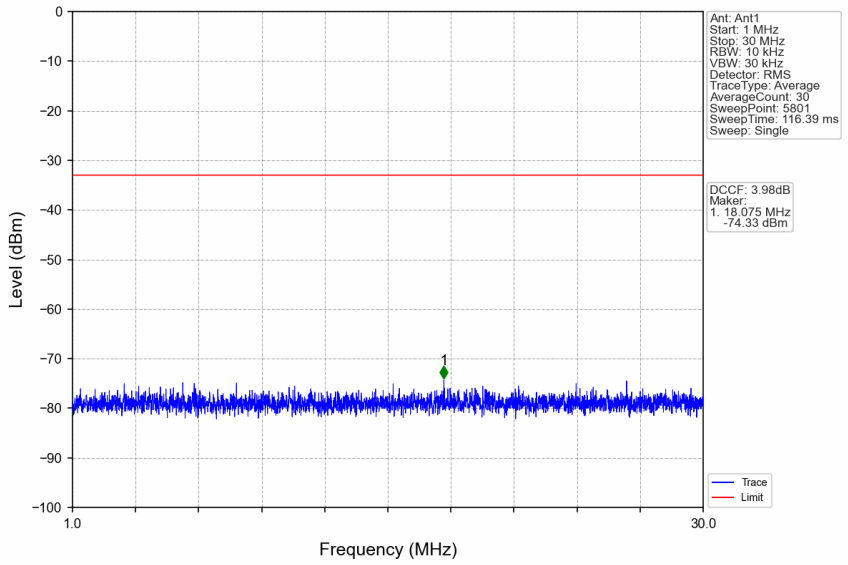
n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3972.495MHz_Edge_1RB_Right



n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3972.495MHz_Edge_1RB_Right



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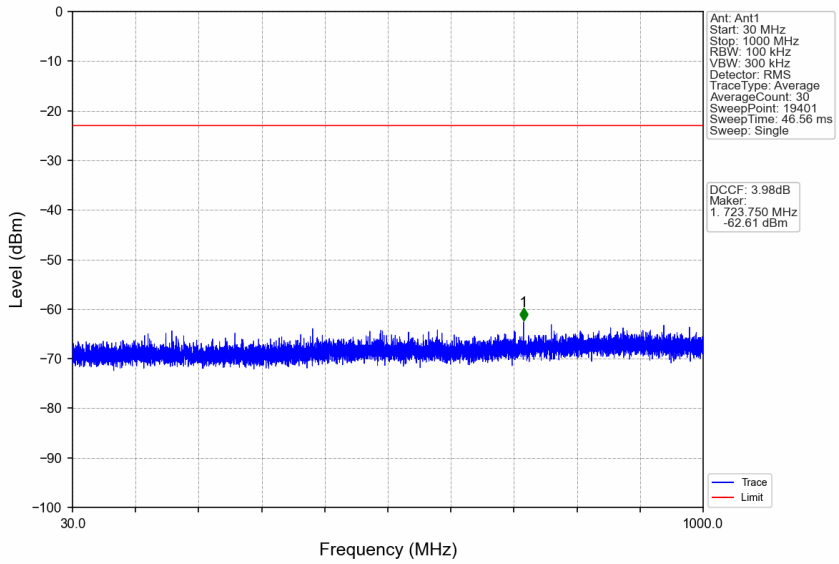
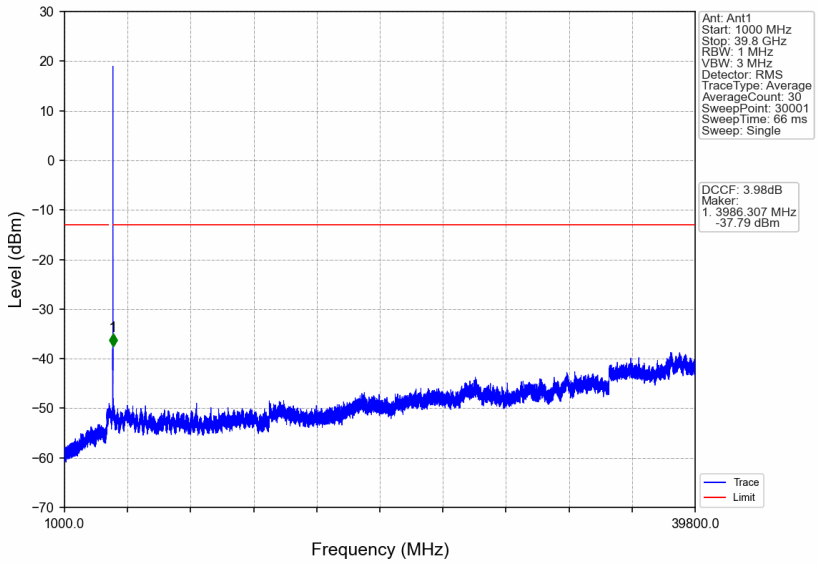
n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3972.495MHz_Edge_1RB_Right



n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3972.495MHz_Edge_1RB_Right



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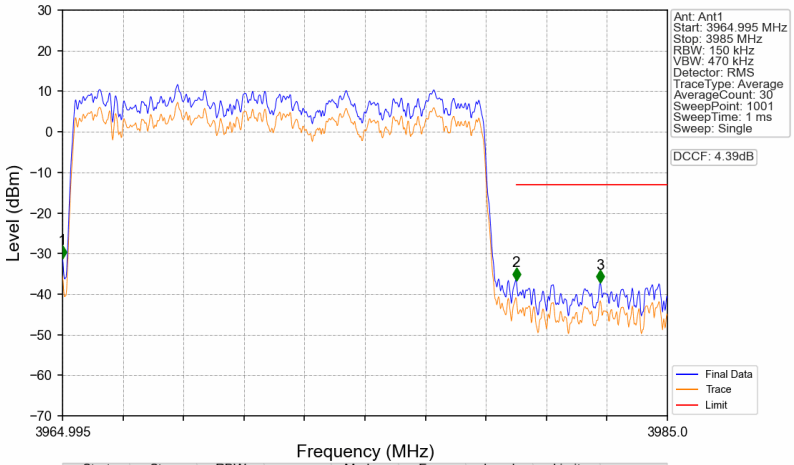
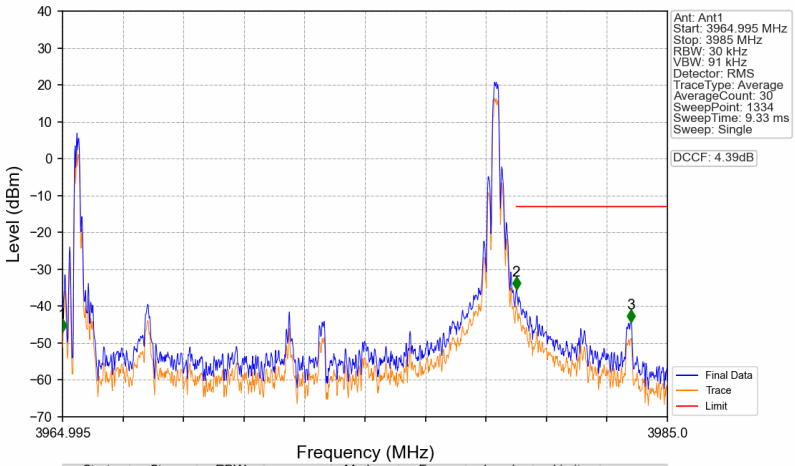


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3964.995	3979.995	0.15	/	1	3964.995	-31.14	-13	Pass
3979.995	3979.995	0.15	/	/	/	/	/	/
3979.995	3980.995	0.15	/	2	3979.999	-36.59	-13	Pass
3980.995	3984.995	0.5	/	3	3982.779	-37.24	-13	Pass

n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3972.495MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3964.995	3979.995	0.03	/	1	3964.995	-46.87	-13	Pass
3979.995	3979.995	0.03	/	/	/	/	/	/
3979.995	3980.995	0.03	/	2	3980.003	-35.50	-13	Pass
3980.995	3984.995	0.5	/	3	3983.799	-44.34	-13	Pass

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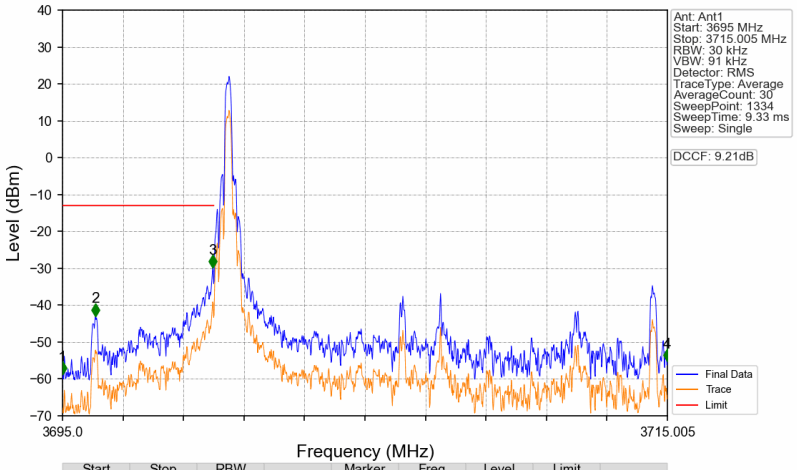
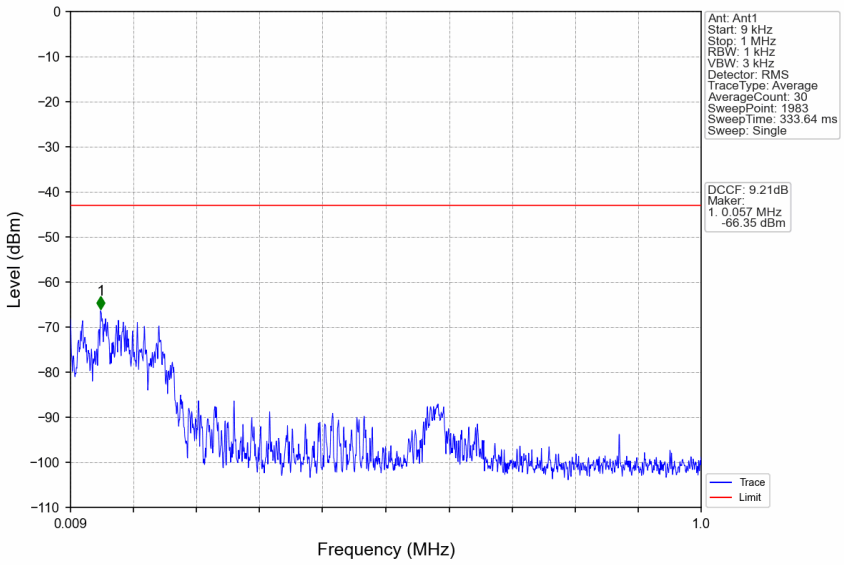


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.005	1	/	1	3695.000	-58.69	-13	Pass
3695.005	3699.005	0.5	/	2	3696.096	-42.94	-13	Pass
3699.005	3700.005	0.03	/	3	3699.967	-29.89	-13	Pass
3700.005	3715.005	0.03	/	4	3715.005	-55.25	-13	Pass

n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3707.505MHz_Edge_1RB_Left



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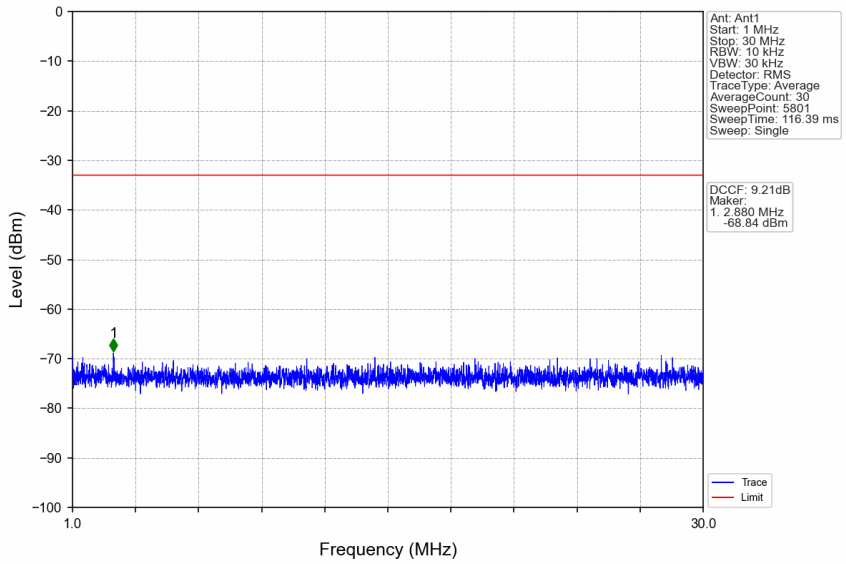
n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3707.505MHz_Edge_1RB_Left



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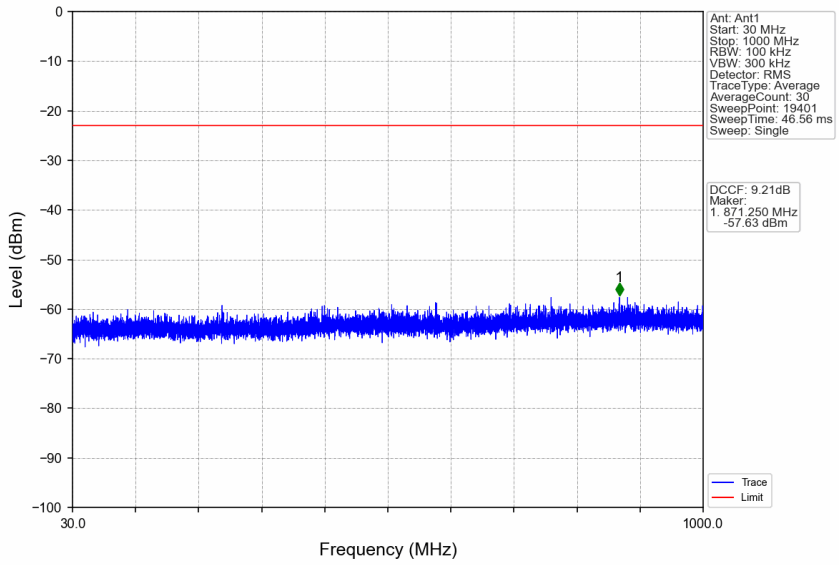

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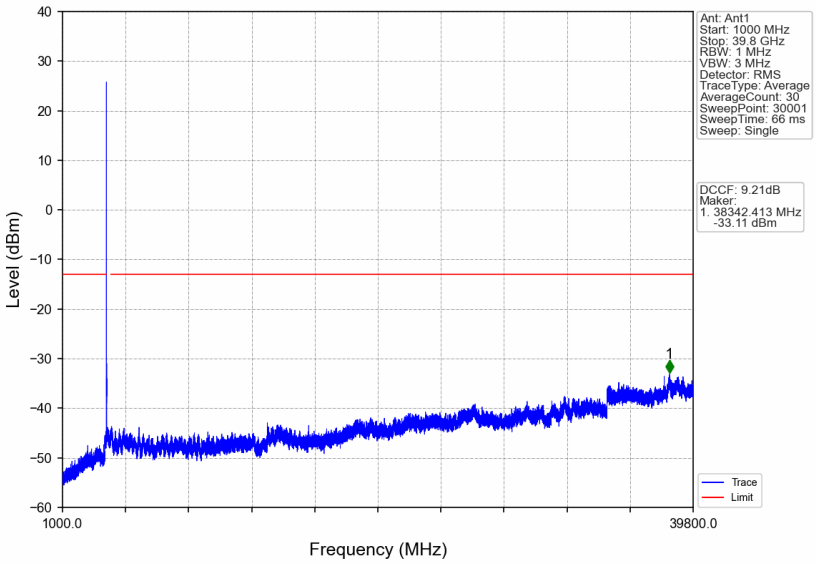
n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3707.505MHz_Edge_1RB_Left



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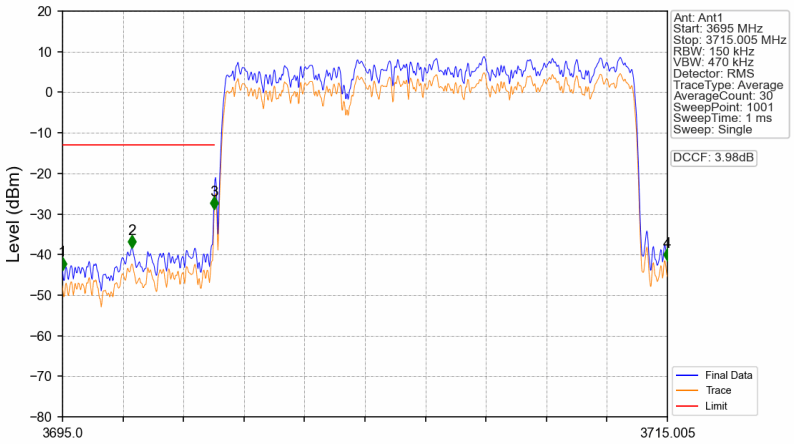

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.005	1	/	1	3695.000	-43.75	-13	Pass
3695.005	3699.005	0.5	/	2	3697.301	-38.36	-13	Pass
3699.005	3700.005	0.15	/	3	3700.001	-28.82	-13	Pass
3700.005	3715.005	0.15	/	4	3715.005	-41.51	-13	Pass

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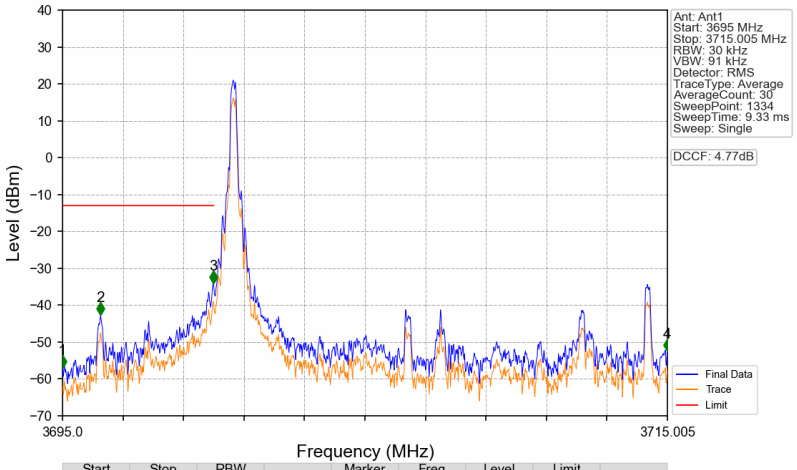
n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3707.505MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.005	1	/	1	3695.000	-57.04	-13	Pass
3695.005	3699.005	0.5	/	2	3696.261	-42.67	-13	Pass
3699.005	3700.005	0.03	/	3	3699.982	-34.17	-13	Pass
3700.005	3715.005	0.03	/	4	3715.005	-52.53	-13	Pass

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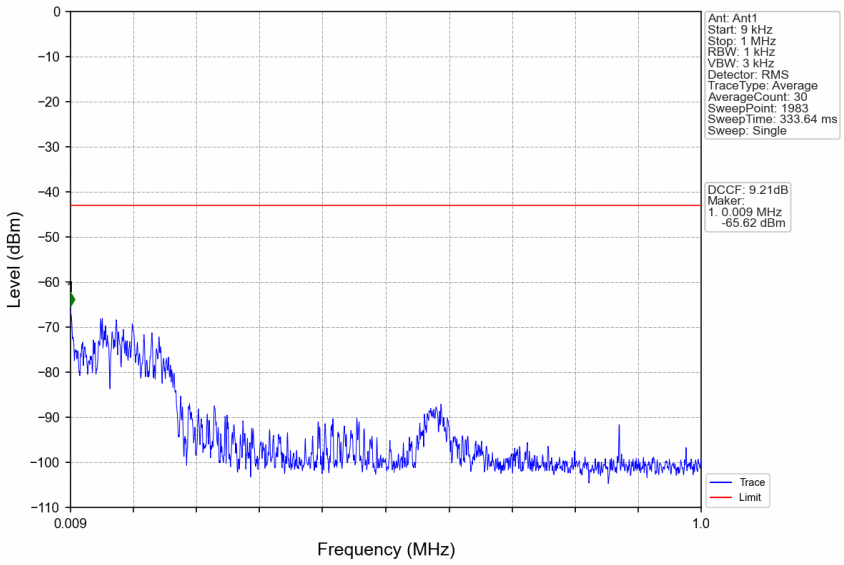

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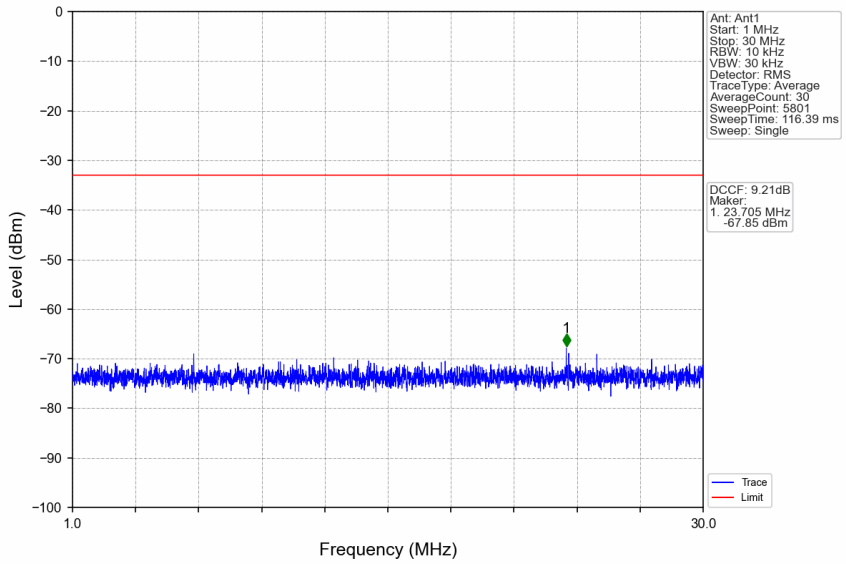

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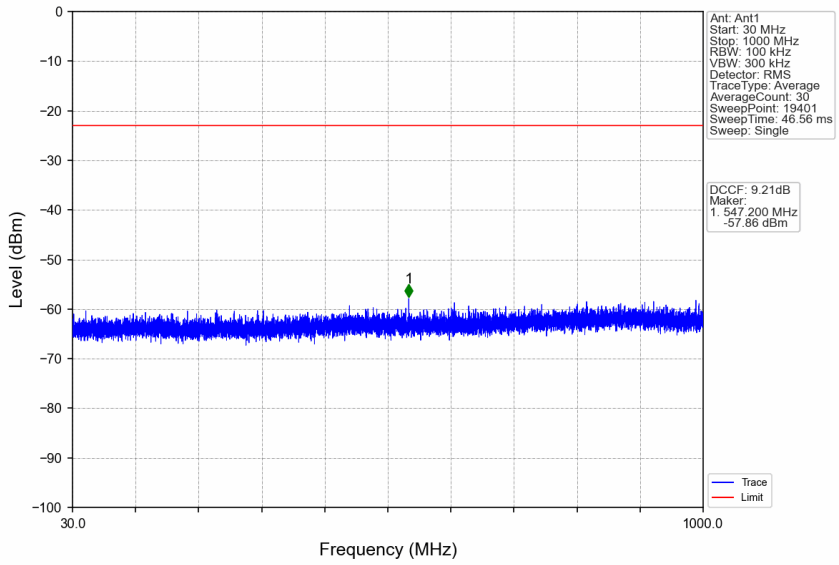

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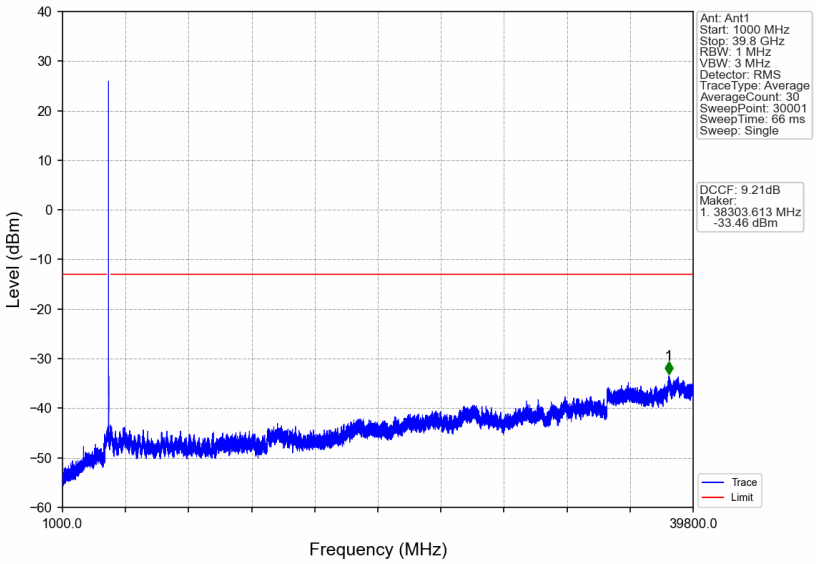
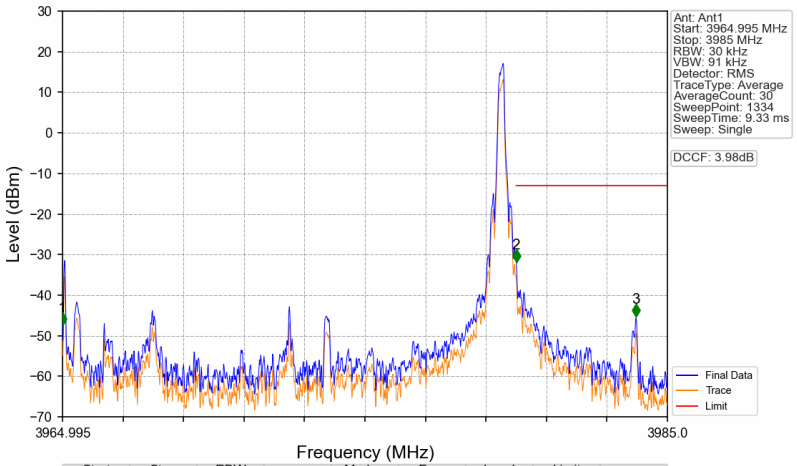


n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3972.495MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3964.995	3979.995	0.03	/	1	3964.995	-47.43	-13	Pass
3979.995	3979.995	0.03	/	/	/	/	/	/
3979.995	3980.995	0.03	/	2	3980.003	-31.94	-13	Pass
3980.995	3984.995	0.5	/	3	3983.964	-45.27	-13	Pass

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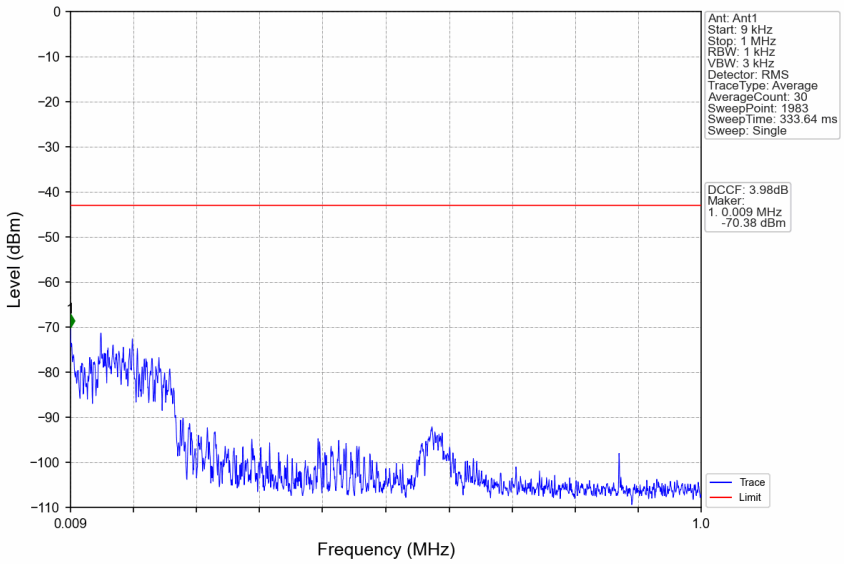

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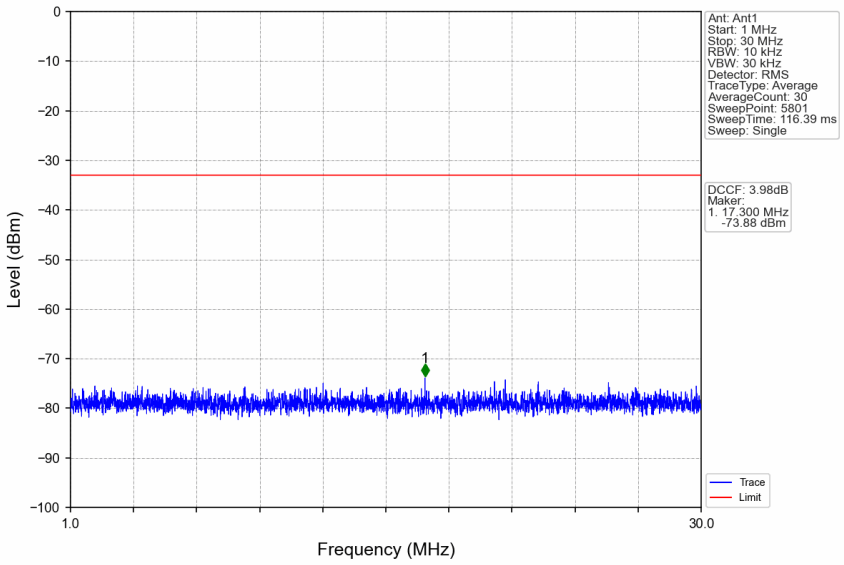

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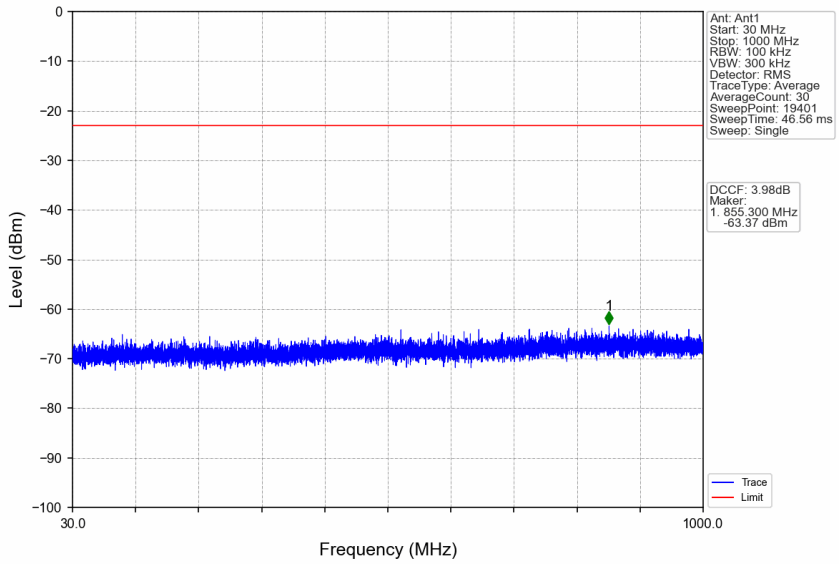

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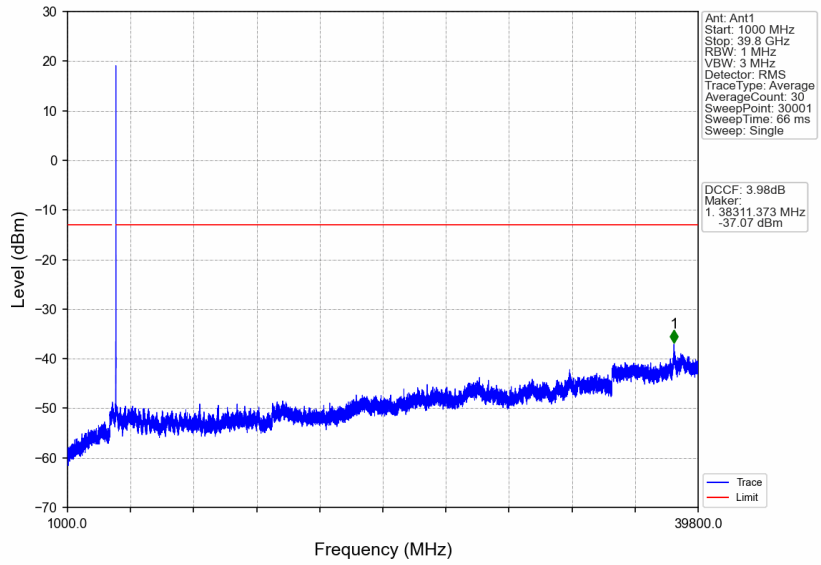

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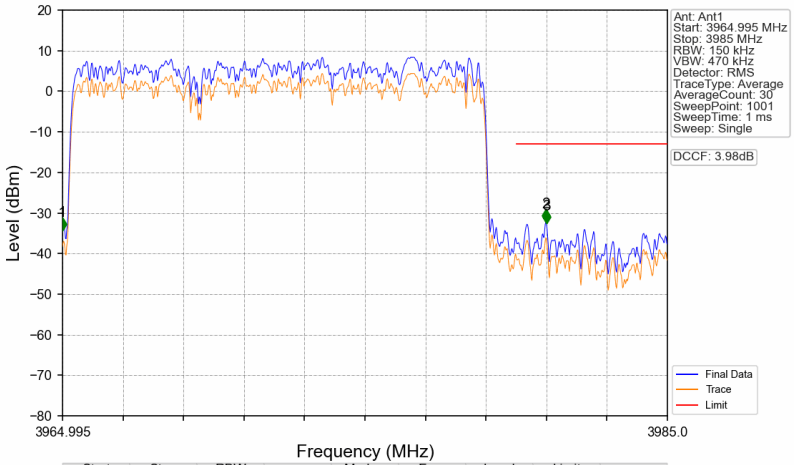
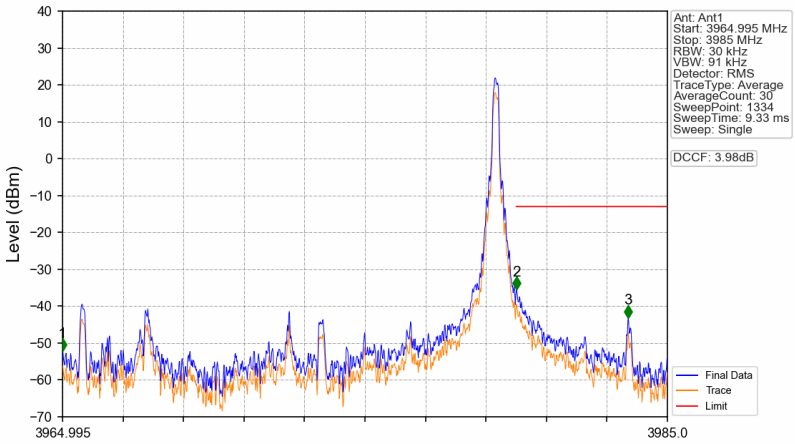


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3964.995	3979.995	0.15	/	1	3964.995	-34.25	-13	Pass
3979.995	3979.995	0.15	/	/	/	/	/	/
3979.995	3980.995	0.15	/	2	3980.979	-32.13	-13	Pass
3980.995	3984.995	0.5	/	3	3980.999	-32.54	-13	Pass

n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3972.495MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3964.995	3979.995	0.03	/	1	3964.995	-52.23	-13	Pass
3979.995	3979.995	0.03	/	/	/	/	/	/
3979.995	3980.995	0.03	/	2	3980.018	-35.52	-13	Pass
3980.995	3984.995	0.5	/	3	3983.709	-43.15	-13	Pass

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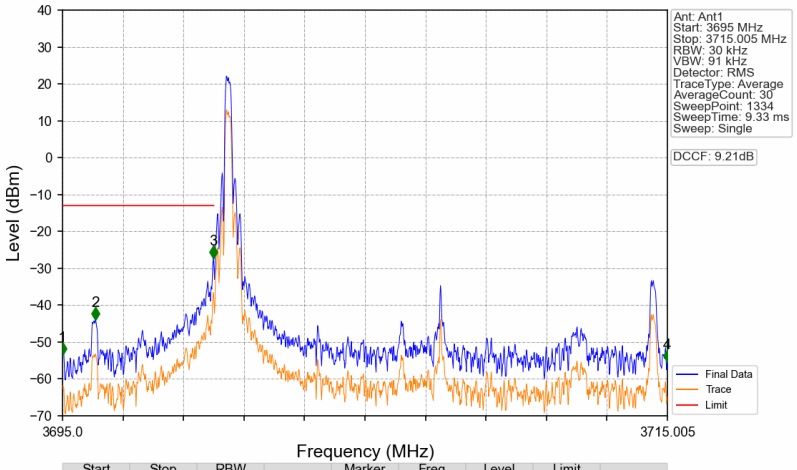

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.005	1	/	1	3695.000	-53.48	-13	Pass
3695.005	3699.005	0.5	/	2	3696.081	-44.06	-13	Pass
3699.005	3700.005	0.03	/	3	3699.982	-27.35	-13	Pass
3700.005	3715.005	0.03	/	4	3715.005	-55.46	-13	Pass

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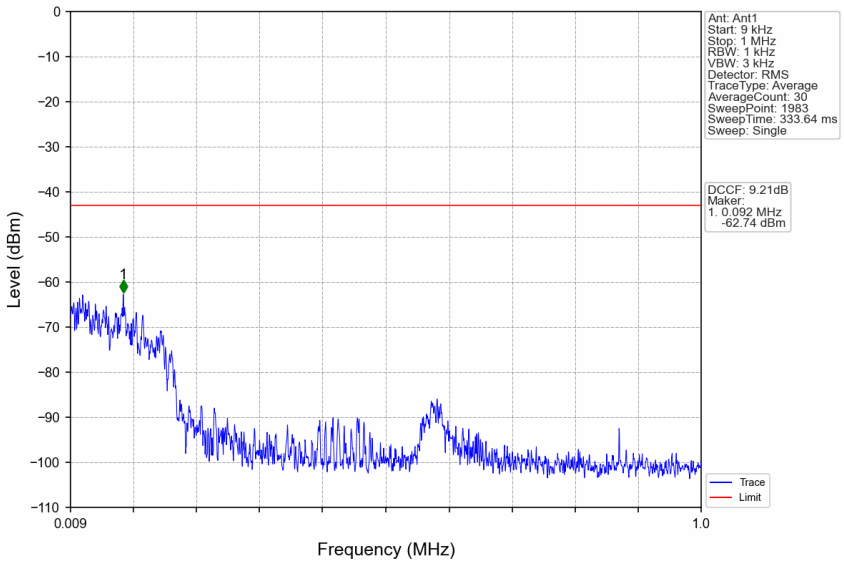

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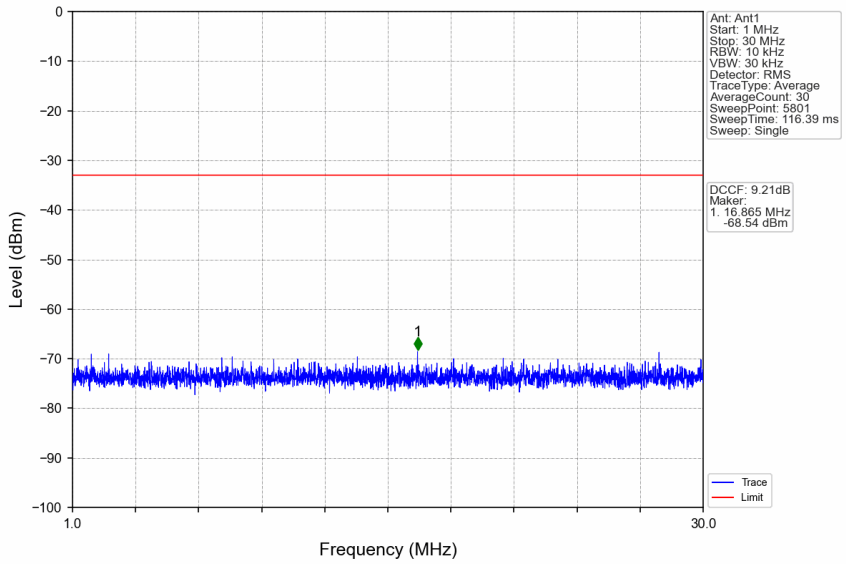
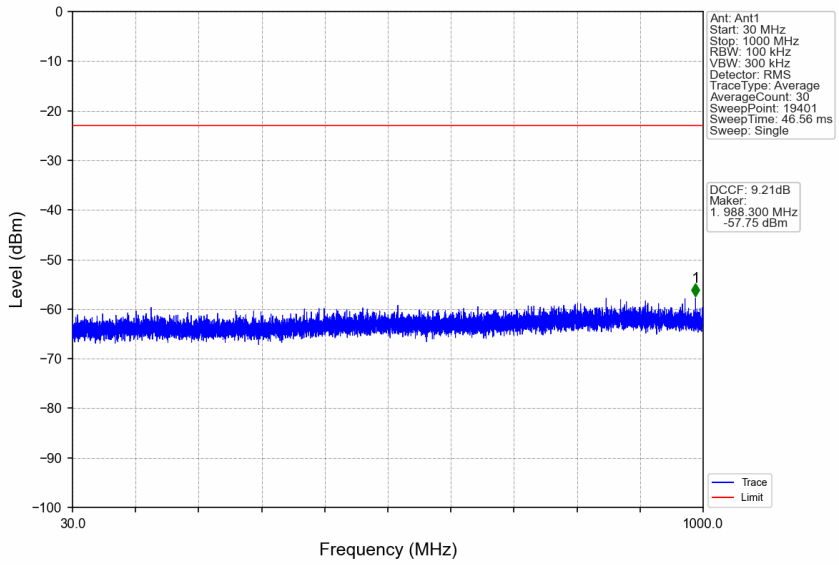
n77a_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3707.505MHz_Edge_1RB_Left



n77a_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3707.505MHz_Edge_1RB_Left



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