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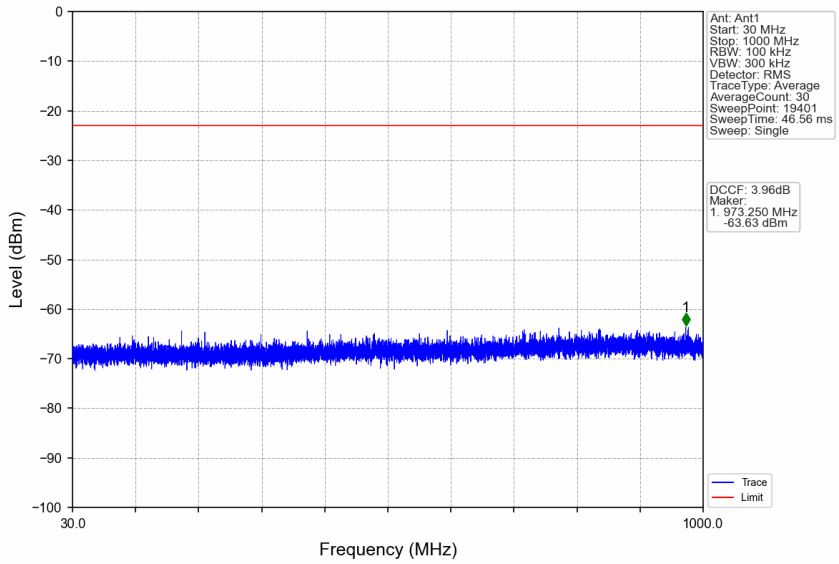

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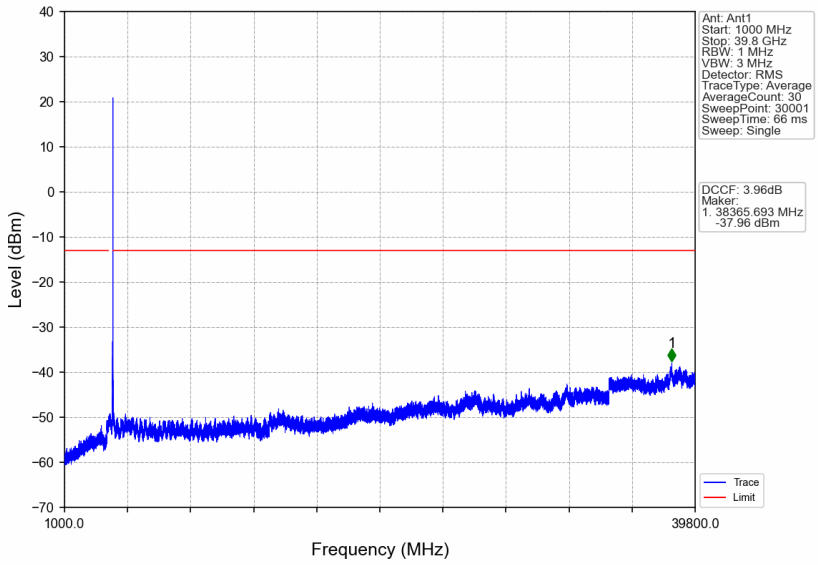

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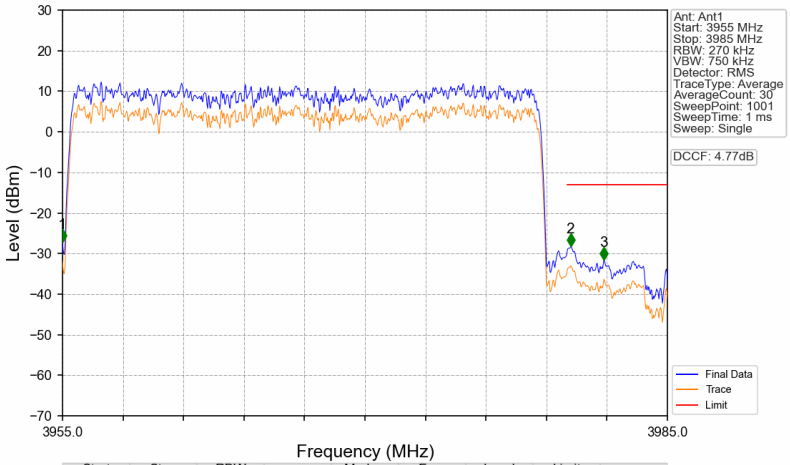
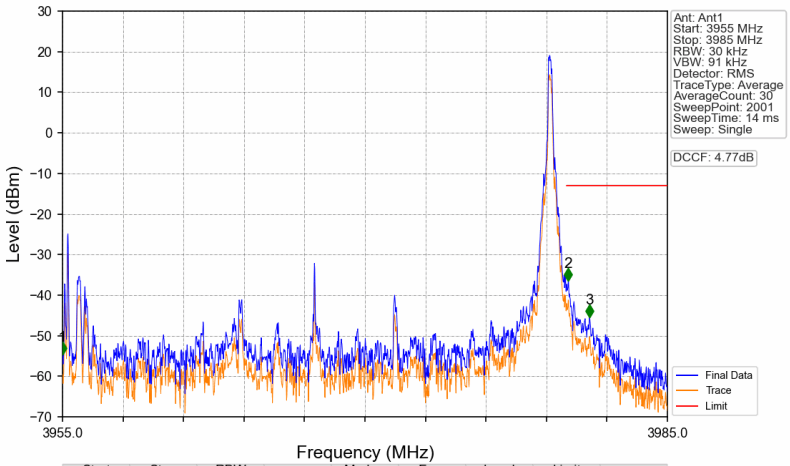
n77a_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_3967.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3955	3980	0.27	/	1	3955.000	-27.16	-13	Pass
3980	3980	0.27	/	/	/	/	/	/
3980	3981	0.27	/	2	3980.200	-28.28	-13	Pass
3981	3985	0.5	/	3	3981.850	-31.56	-13	Pass

n77a_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_3967.5MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3955	3980	0.03	/	1	3955.000	-54.73	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.080	-36.44	-13	Pass
3981	3985	0.5	/	3	3981.130	-45.51	-13	Pass

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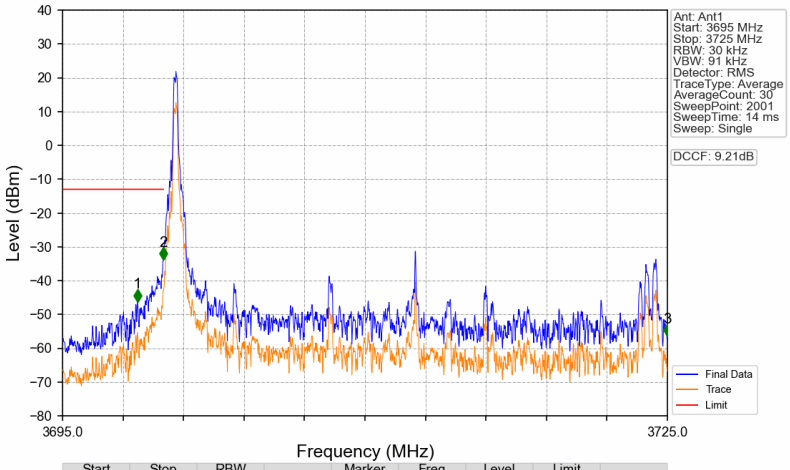
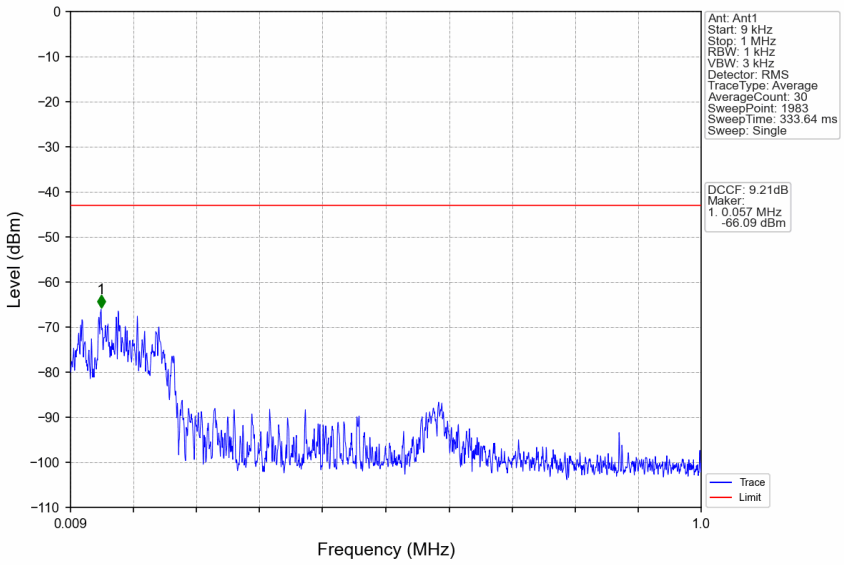
n77a_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3712.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.720	-46.27	-13	Pass
3699	3700	0.03	/	2	3699.995	-33.82	-13	Pass
3700	3725	0.03	/	3	3725.000	-56.48	-13	Pass

n77a_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3712.5MHz_Edge_1RB_Left



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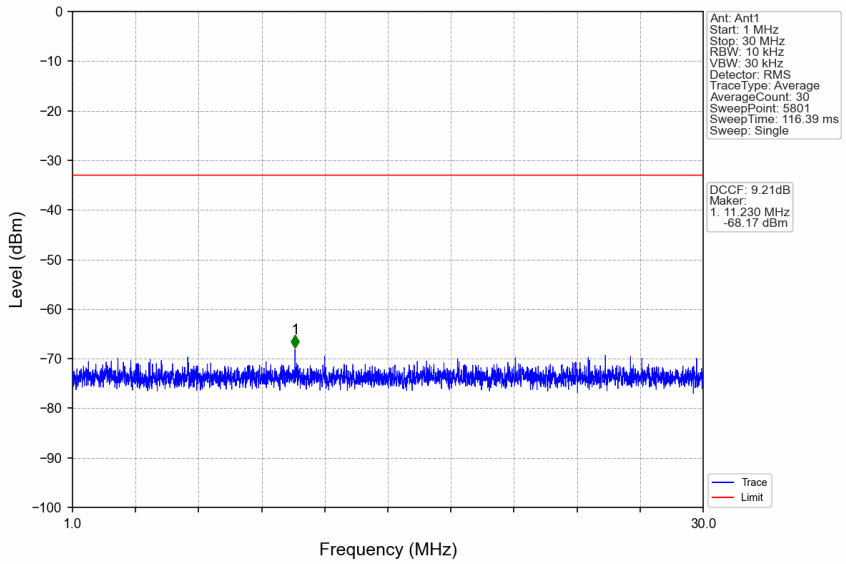
n77a_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3712.5MHz_Edge_1RB_Left



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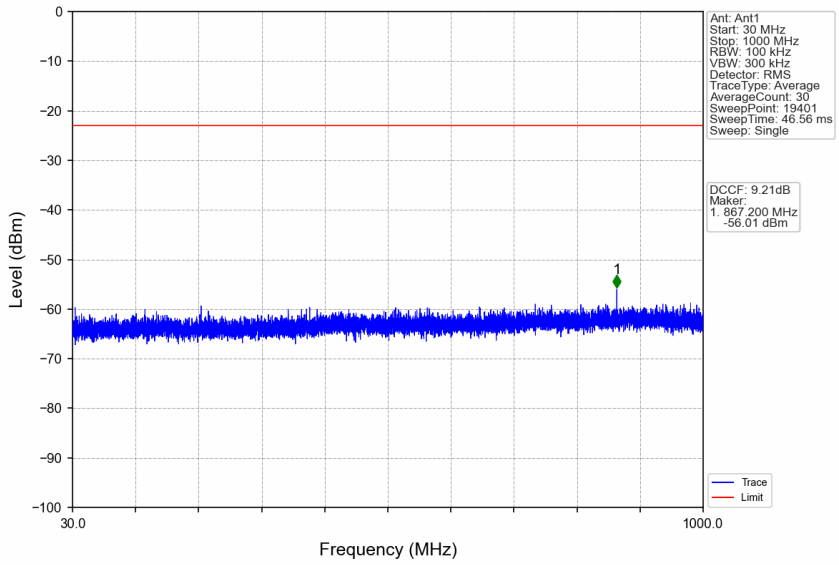

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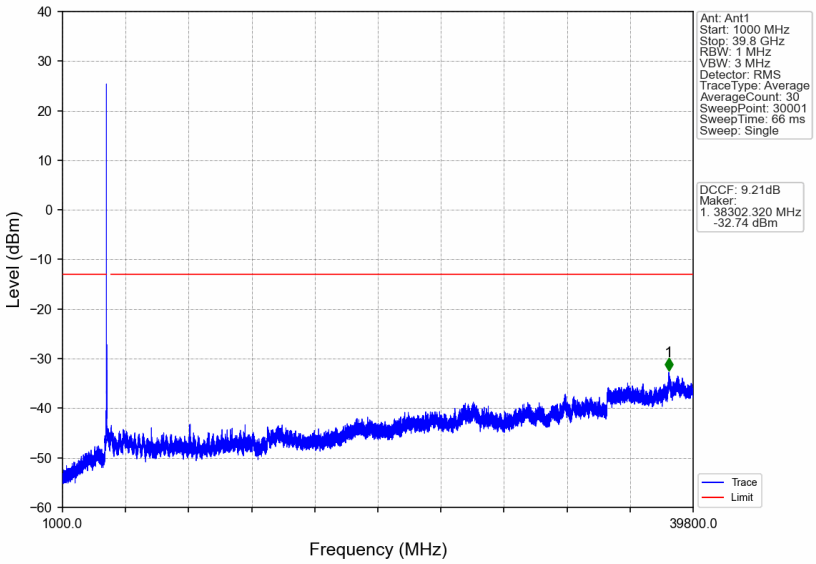
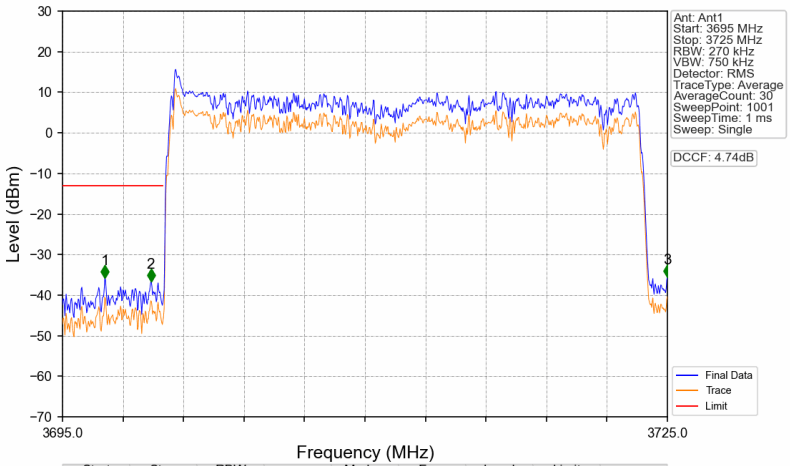
n77a_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3712.5MHz_Edge_1RB_Left



n77a_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3712.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3697.100	-35.74	-13	Pass
3699	3700	0.27	/	2	3699.380	-36.66	-13	Pass
3700	3725	0.27	/	3	3725.000	-35.58	-13	Pass

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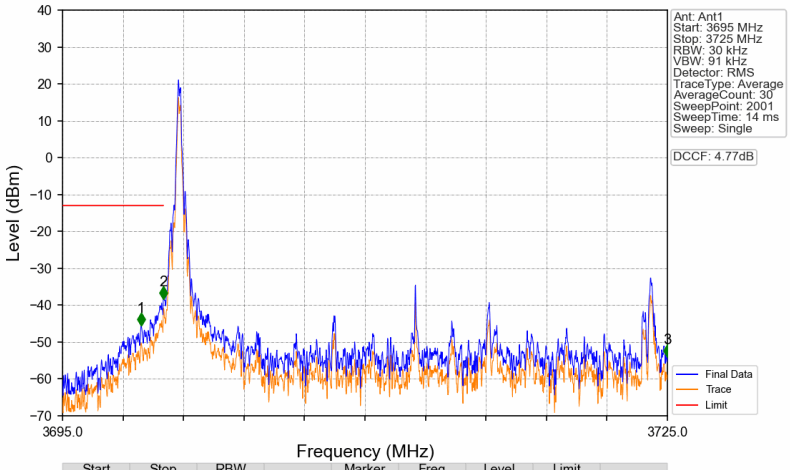
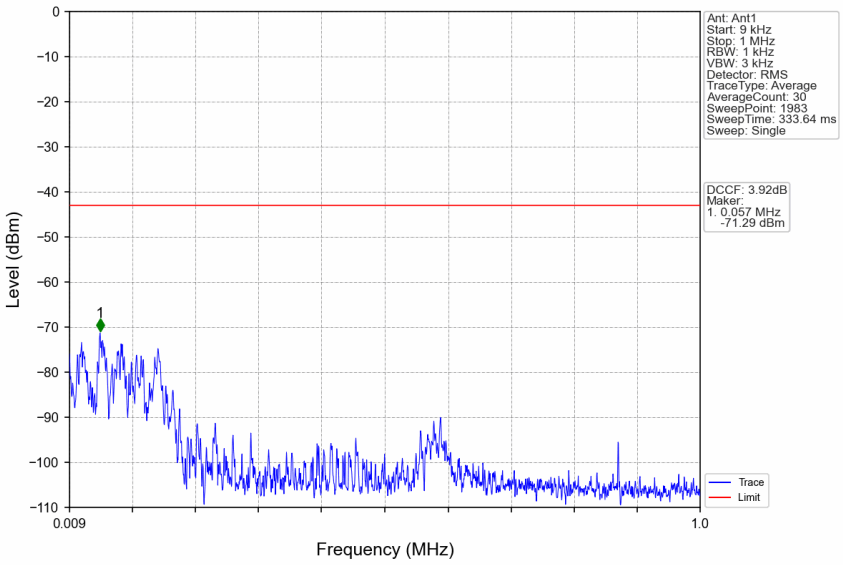


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.900	-45.53	-13	Pass
3699	3700	0.03	/	2	3699.995	-38.32	-13	Pass
3700	3725	0.03	/	3	3725.000	-54.04	-13	Pass

n77a_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3840MHz_Edge_1RB_Left



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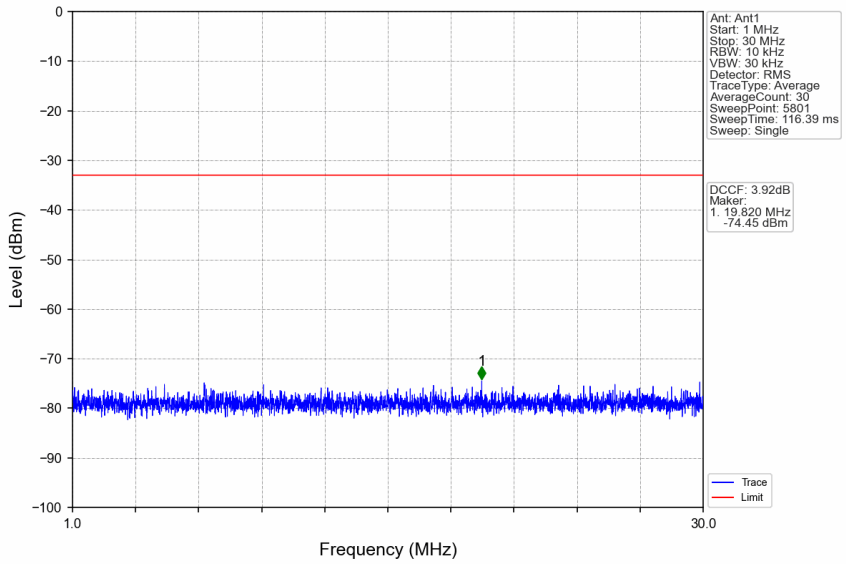

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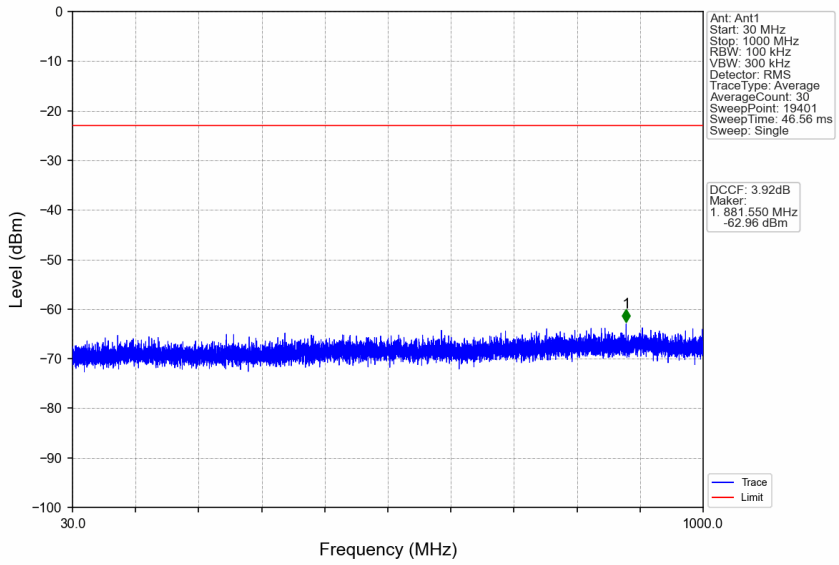

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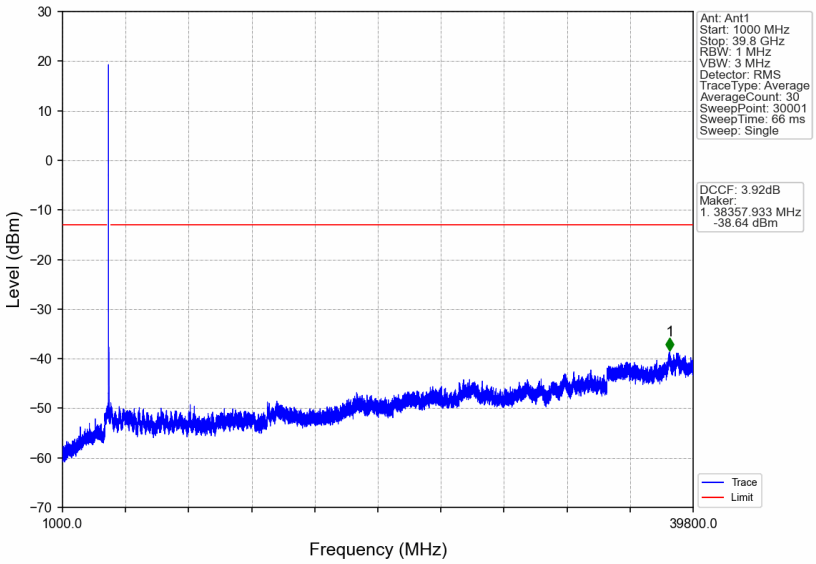
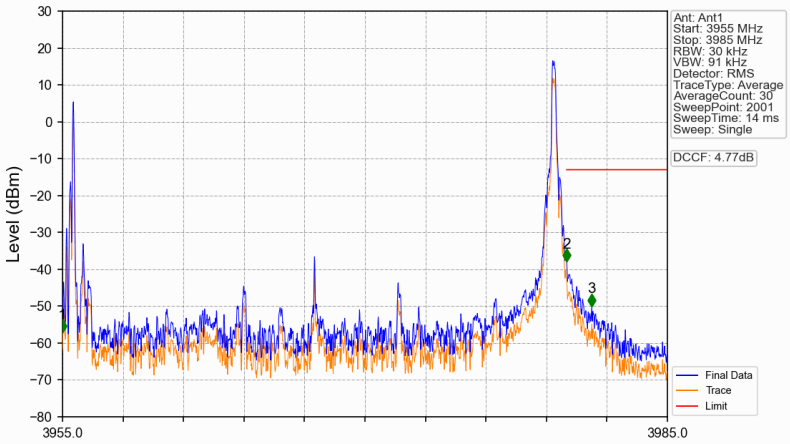


n77a_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3967.5MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3955	3980	0.03	/	1	3955.000	-57.13	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.005	-37.97	-13	Pass
3981	3985	0.5	/	3	3981.250	-50.03	-13	Pass

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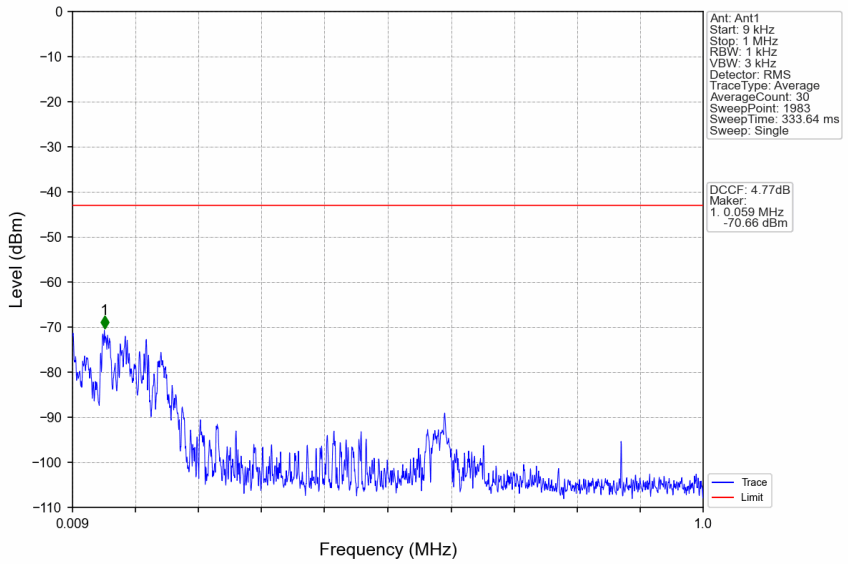

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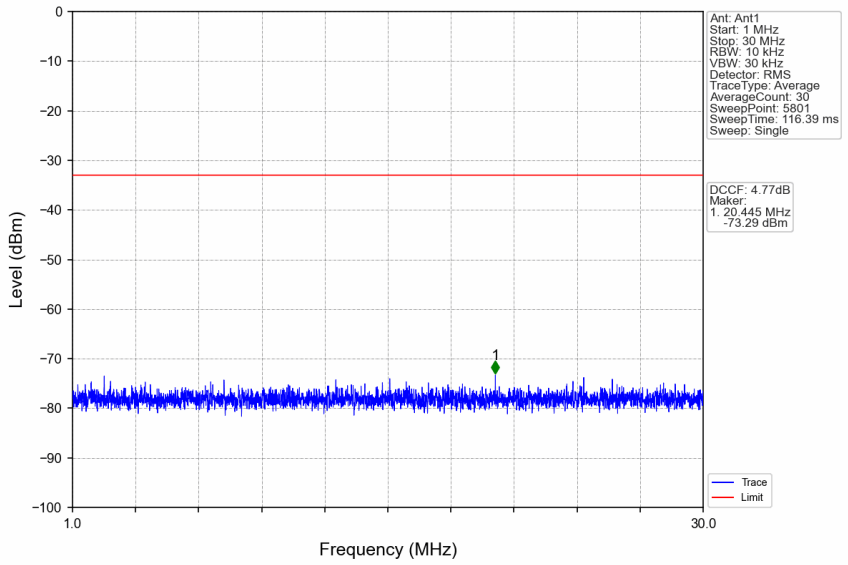

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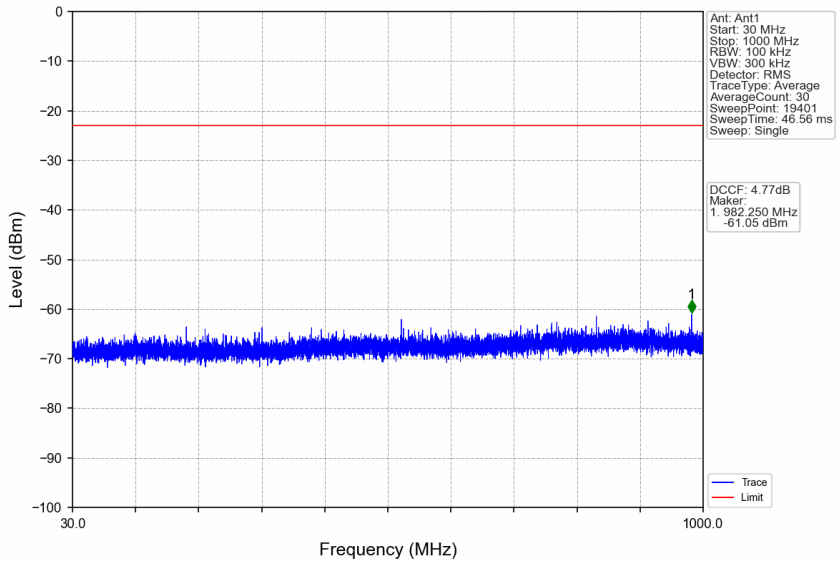
n77a_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3967.5MHz_Edge_1RB_Right



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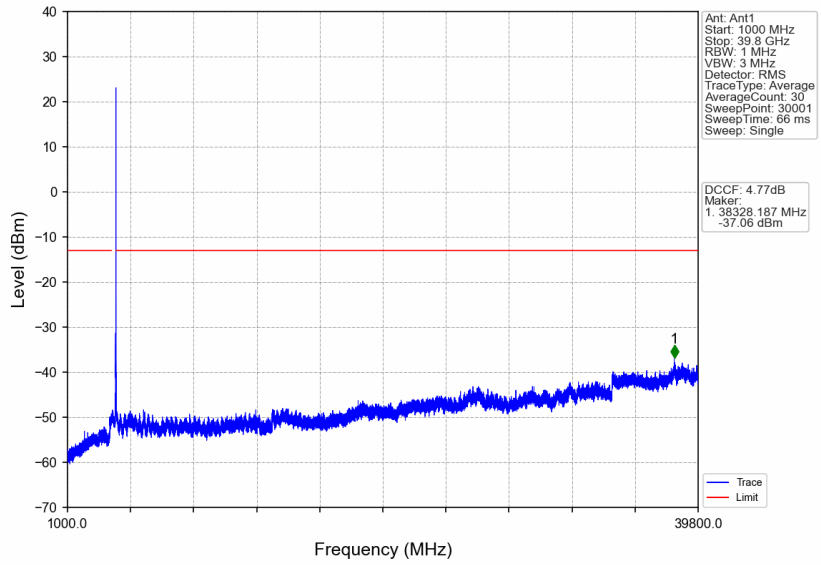

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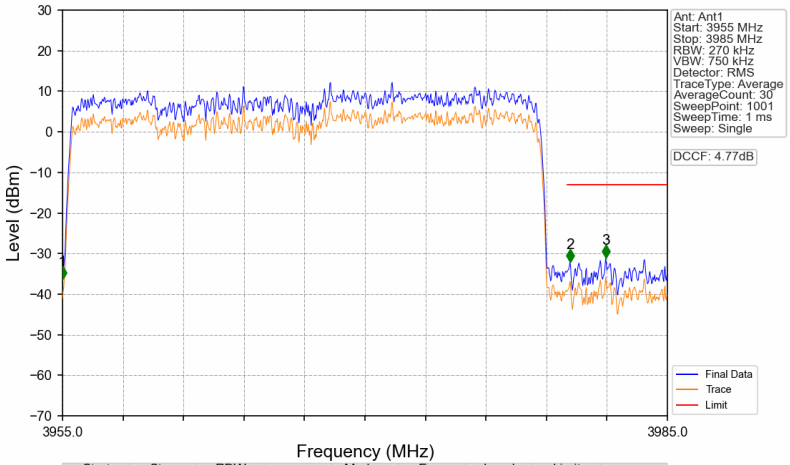
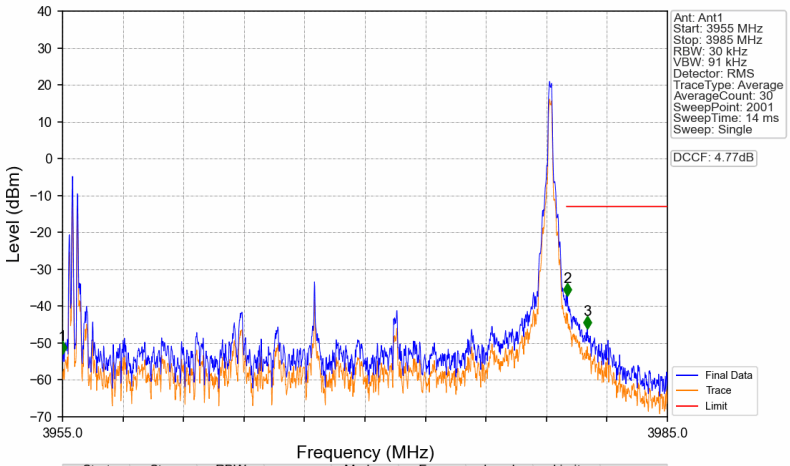
n77a_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3967.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3955	3980	0.27	/	1	3955.000	-36.38	-13	Pass
3980	3980	0.27	/	/	/	/	/	/
3980	3981	0.27	/	2	3980.170	-32.09	-13	Pass
3981	3985	0.5	/	3	3981.940	-31.02	-13	Pass

n77a_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3967.5MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3955	3980	0.03	/	1	3955.000	-52.98	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.035	-37.26	-13	Pass
3981	3985	0.5	/	3	3981.025	-46.18	-13	Pass

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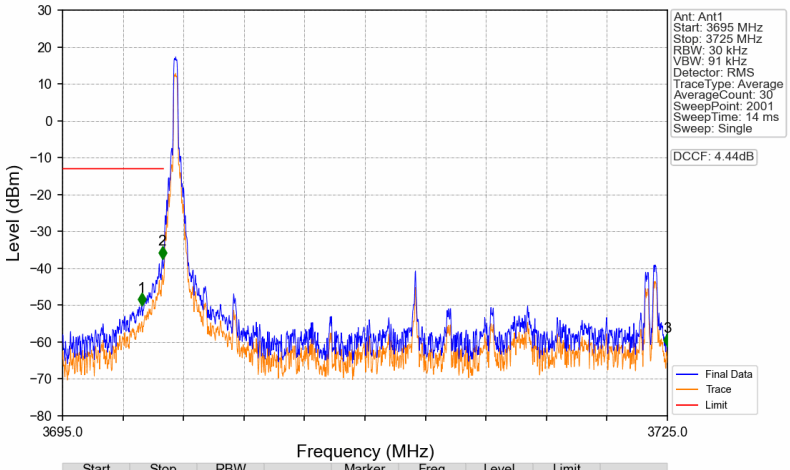
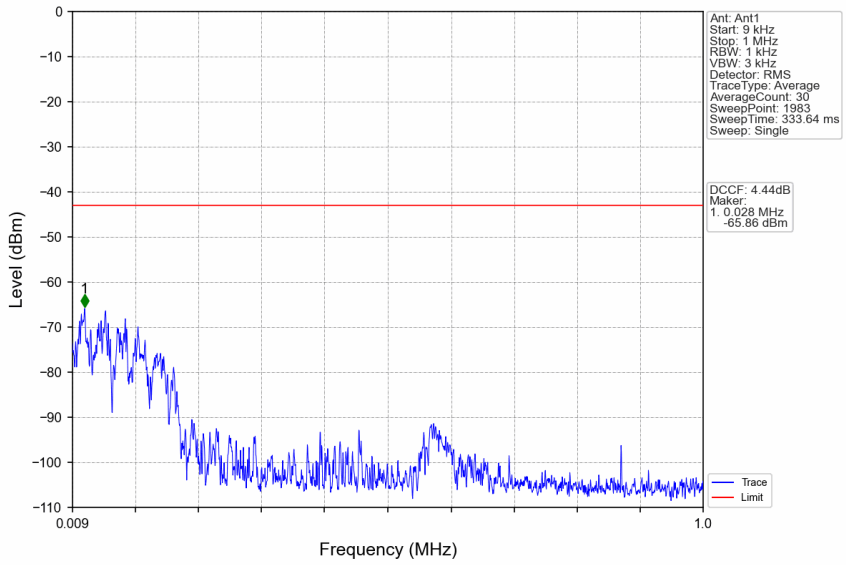
n77a_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3712.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.930	-50.06	-13	Pass
3699	3700	0.03	/	2	3699.950	-37.43	-13	Pass
3700	3725	0.03	/	3	3725.000	-61.11	-13	Pass

n77a_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3712.5MHz_Edge_1RB_Left



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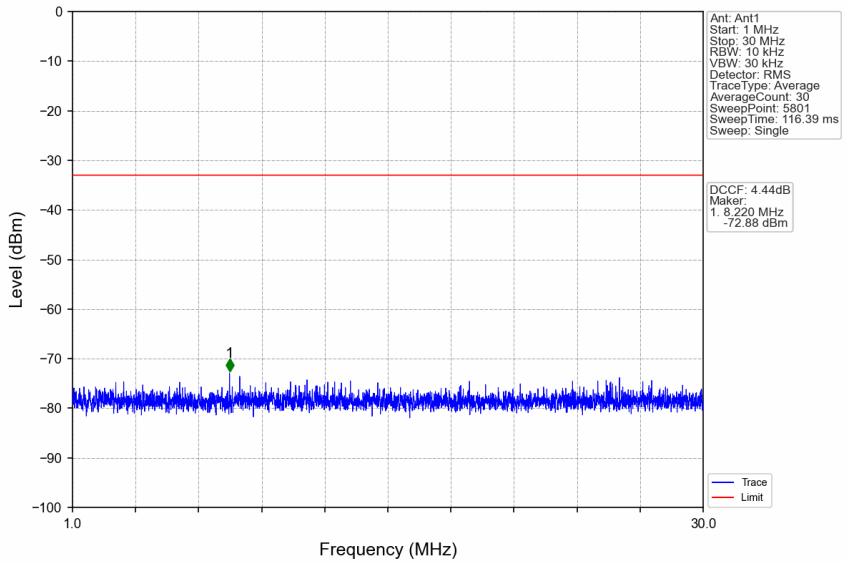
n77a_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3712.5MHz_Edge_1RB_Left



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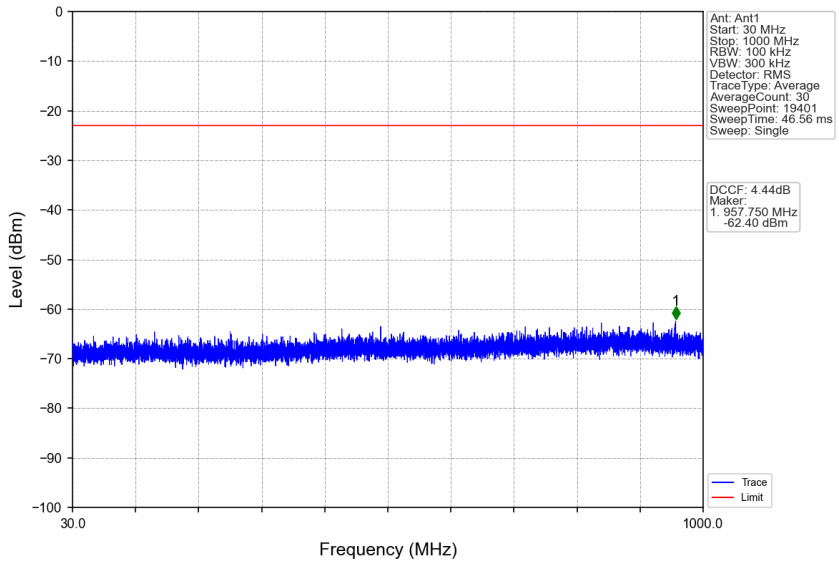

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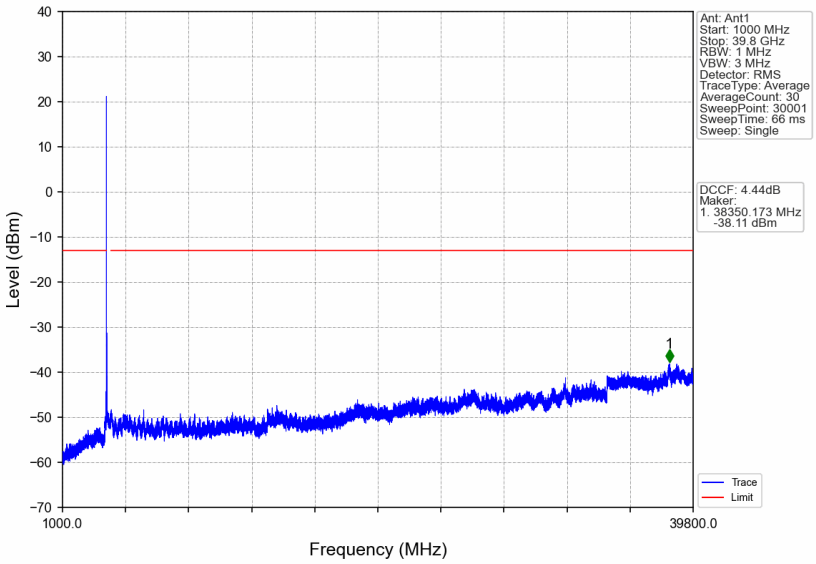
n77a_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3712.5MHz_Edge_1RB_Left



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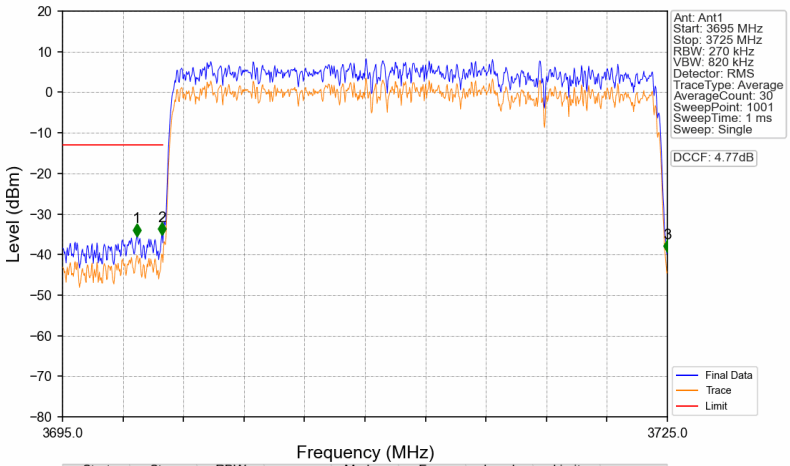

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.690	-35.47	-13	Pass
3699	3700	0.27	/	2	3699.920	-35.16	-13	Pass
3700	3725	0.27	/	3	3725.000	-39.42	-13	Pass

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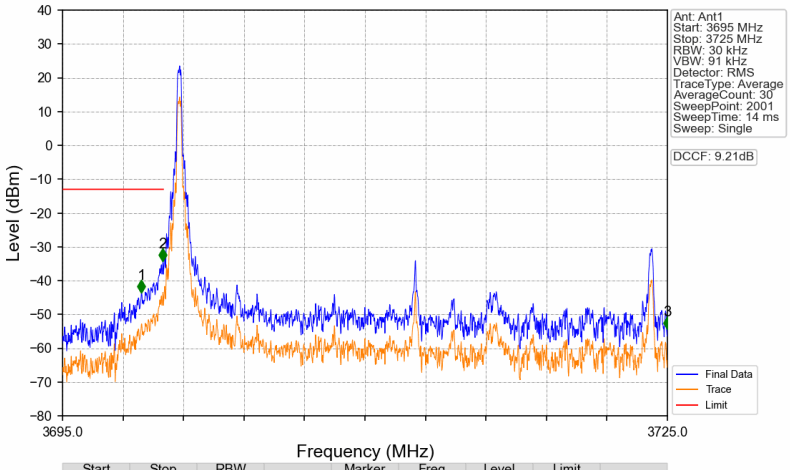
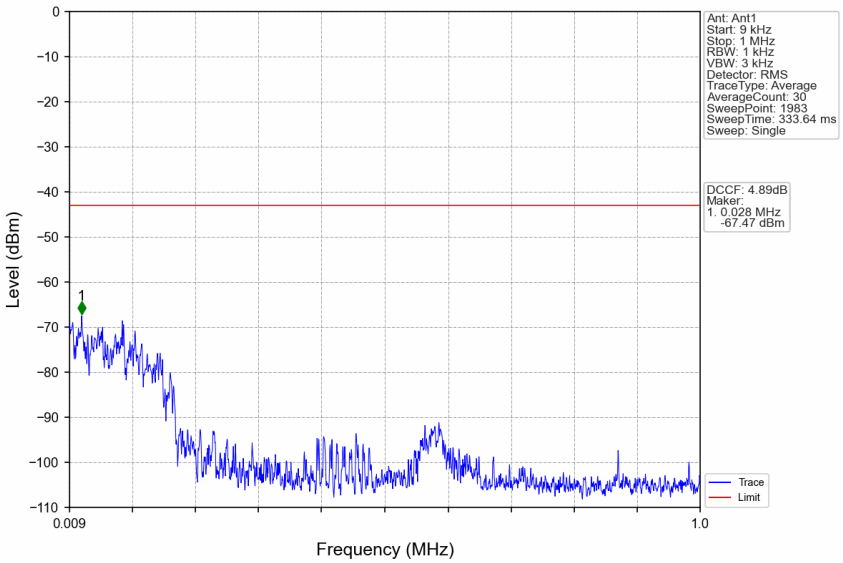


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.915	-43.57	-13	Pass
3699	3700	0.03	/	2	3699.980	-34.26	-13	Pass
3700	3725	0.03	/	3	3725.000	-54.41	-13	Pass

n77a_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3840MHz_Edge_1RB_Left



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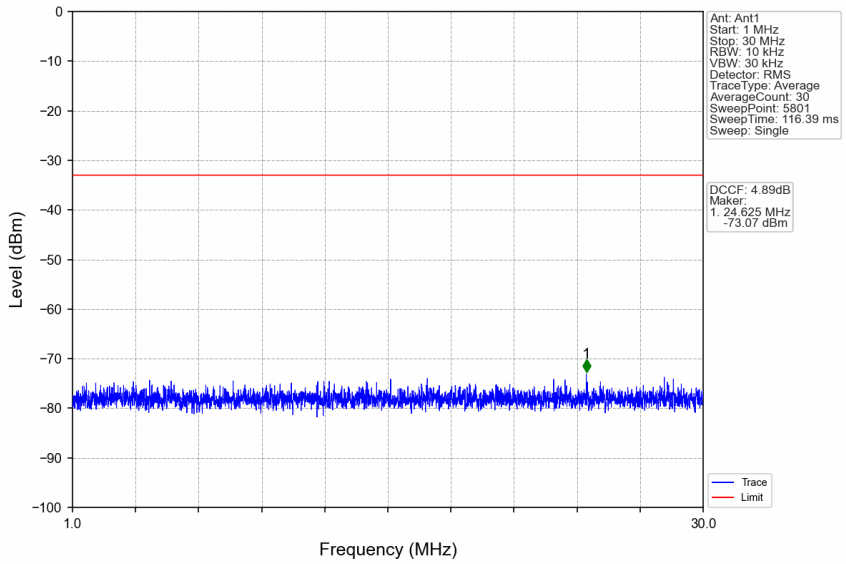
n77a_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3840MHz_Edge_1RB_Left



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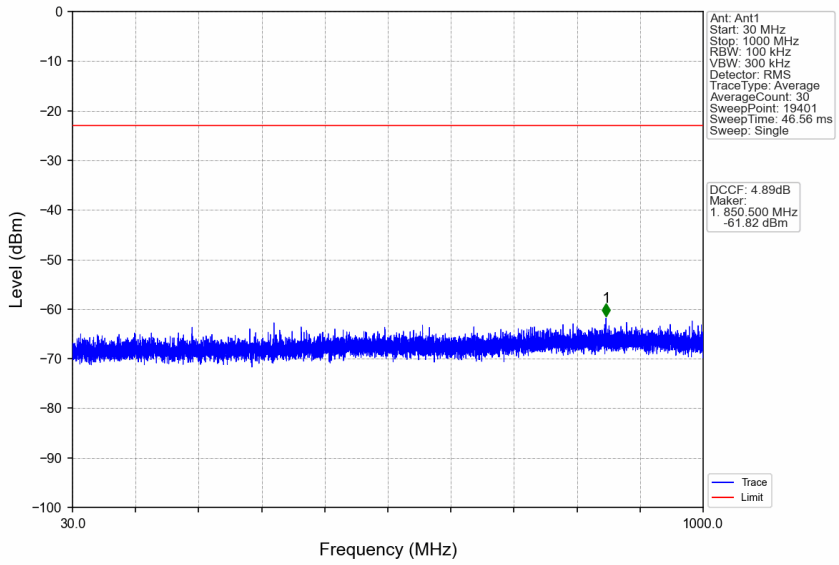

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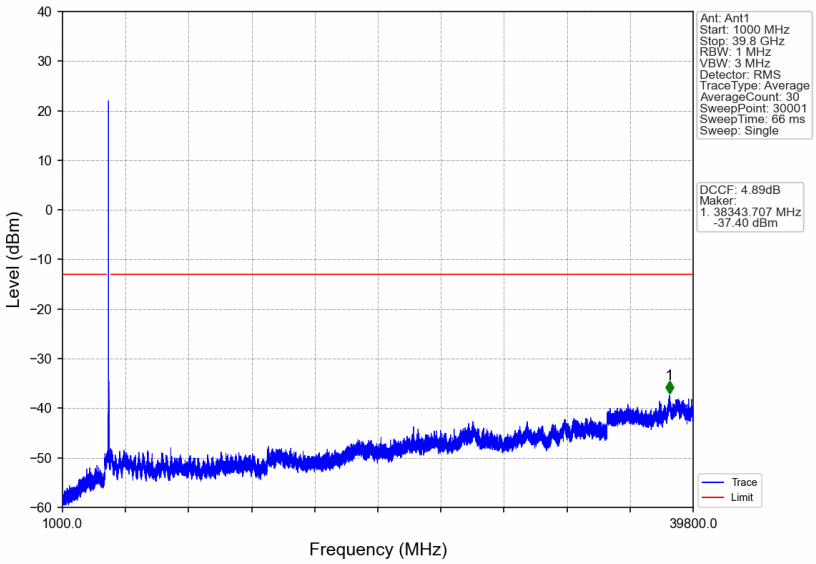
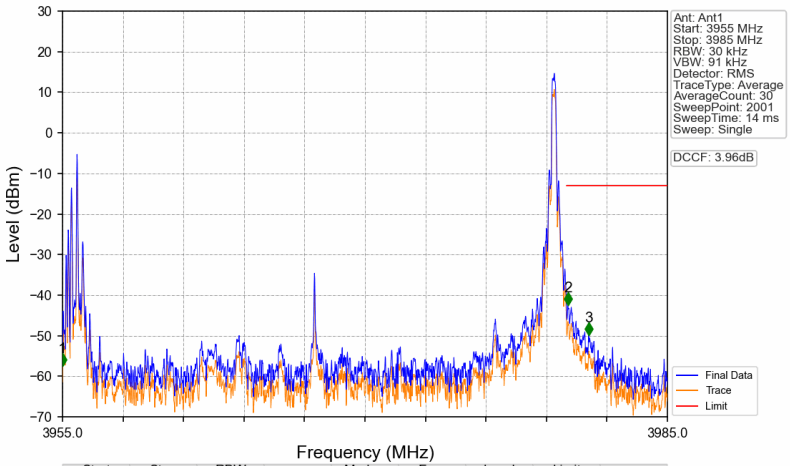


n77a_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3967.5MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3955	3980	0.03	/	1	3955.000	-57.47	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.065	-42.55	-13	Pass
3981	3985	0.5	/	3	3981.100	-49.84	-13	Pass

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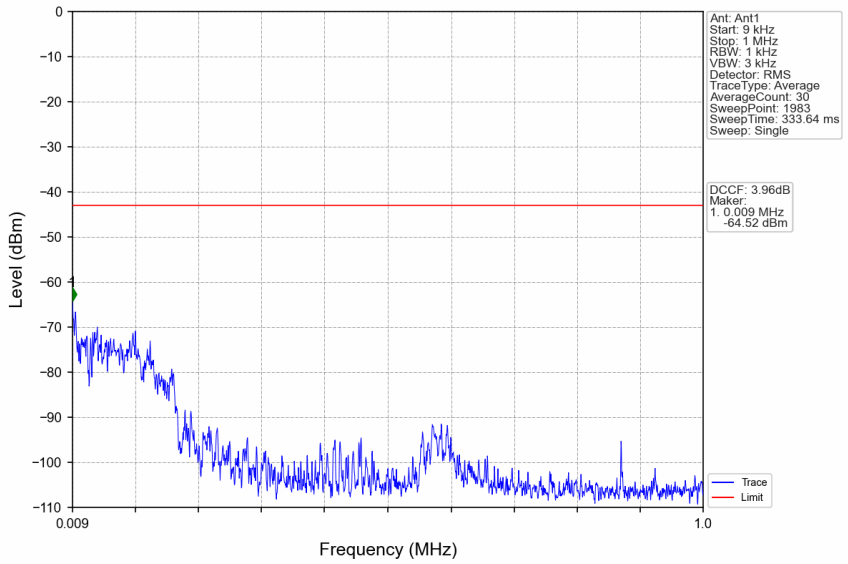
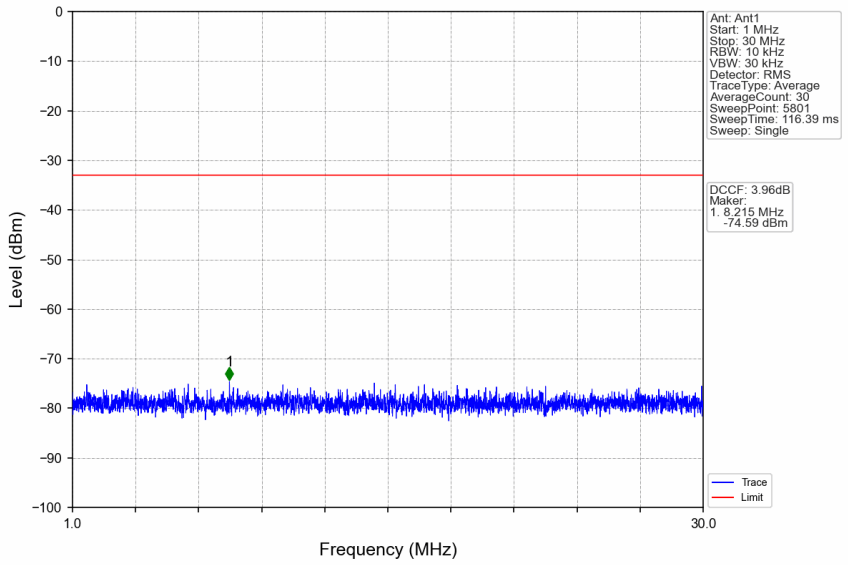
n77a_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3967.5MHz_Edge_1RB_Right



n77a_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3967.5MHz_Edge_1RB_Right



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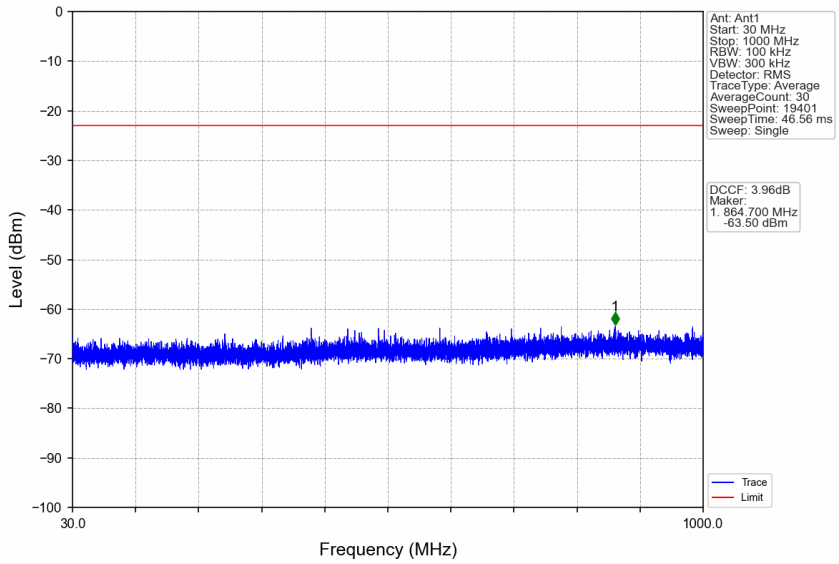
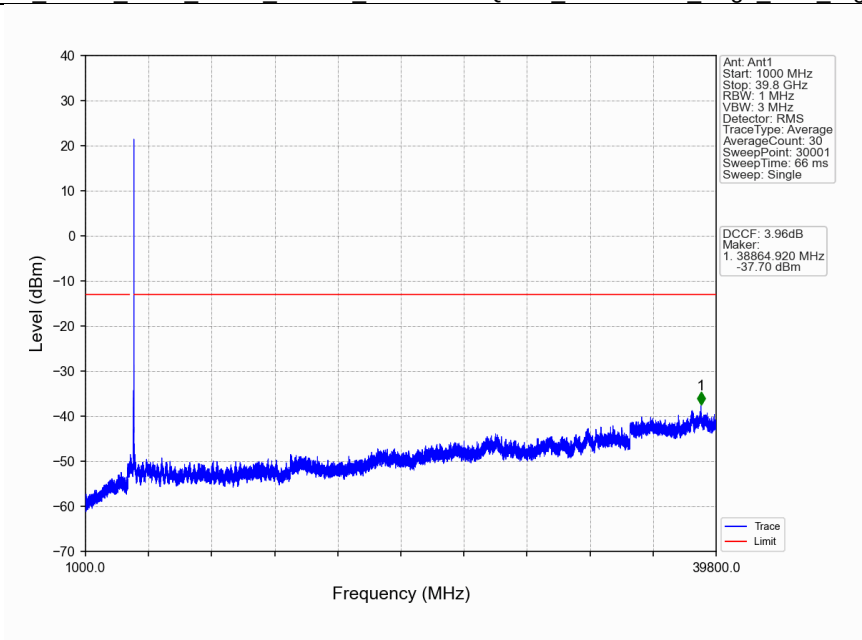


n77a_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3967.5MHz_Edge_1RB_Right



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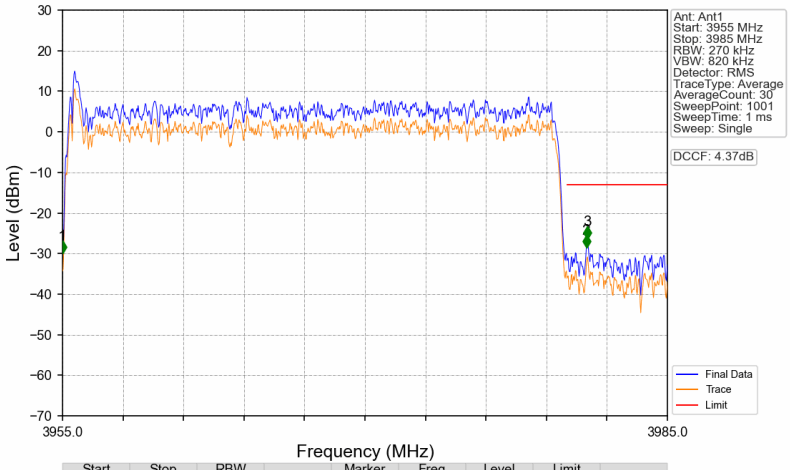
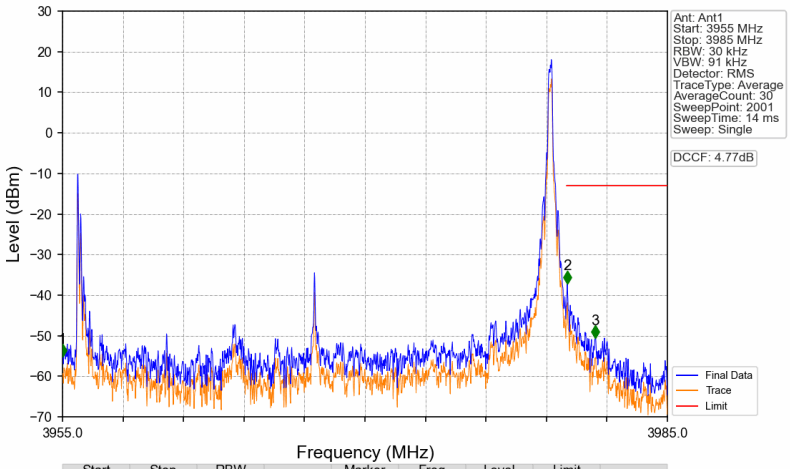
n77a_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3967.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3955	3980	0.27	/	1	3955.000	-29.96	-13	Pass
3980	3980	0.27	/	/	/	/	/	/
3980	3981	0.27	/	2	3980.980	-28.56	-13	Pass
3981	3985	0.5	/	3	3981.040	-26.45	-13	Pass

n77a_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3967.5MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3955	3980	0.03	/	1	3955.000	-55.17	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.035	-37.10	-13	Pass
3981	3985	0.5	/	3	3981.430	-50.57	-13	Pass

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6.5 15k_SISO_30MHz_NTNV

6.5.1 Test Result

5G NR n77a SCS=15kHz SISO 30MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3715.005	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
	3964.995	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	3715.005	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
	3964.995	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	3715.005	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
	3964.995	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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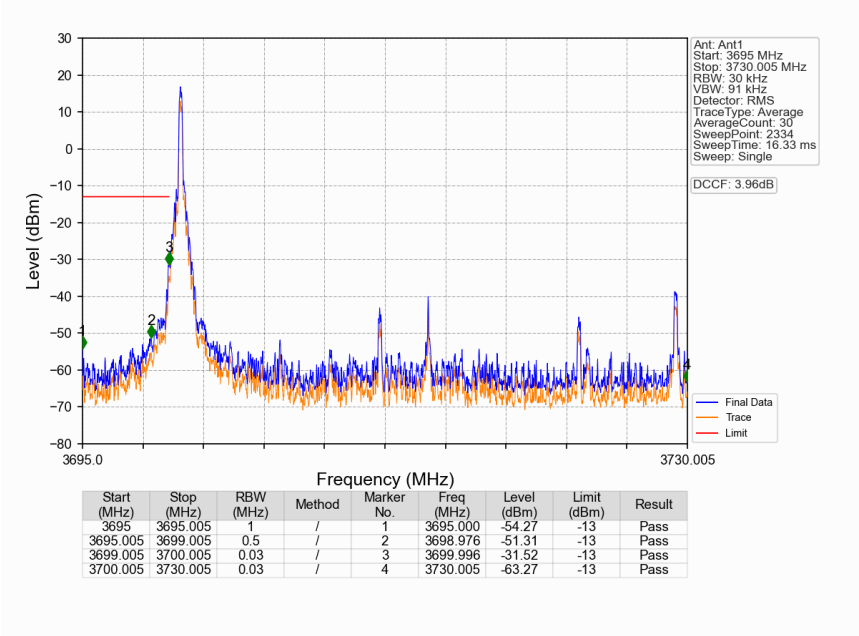
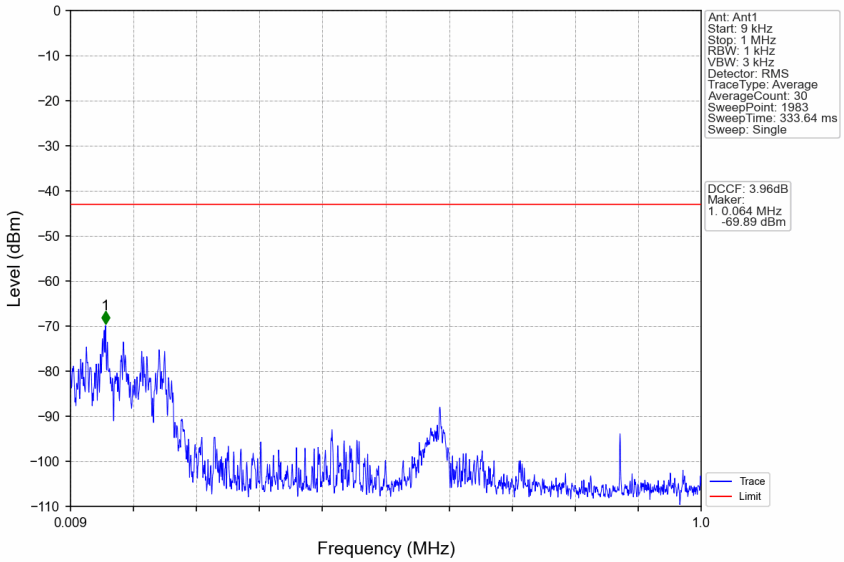
6.5.2 Test Graph

n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3715.005MHz_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	-54.27	-13	Pass
3695.005	3699.005	0.5	/	2	3698.976	-51.31	-13	Pass
3699.005	3700.005	0.03	/	3	3699.996	-31.52	-13	Pass
3700.005	3730.005	0.03	/	4	3730.005	-63.27	-13	Pass

n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3715.005MHz_Edge_1RB_Left



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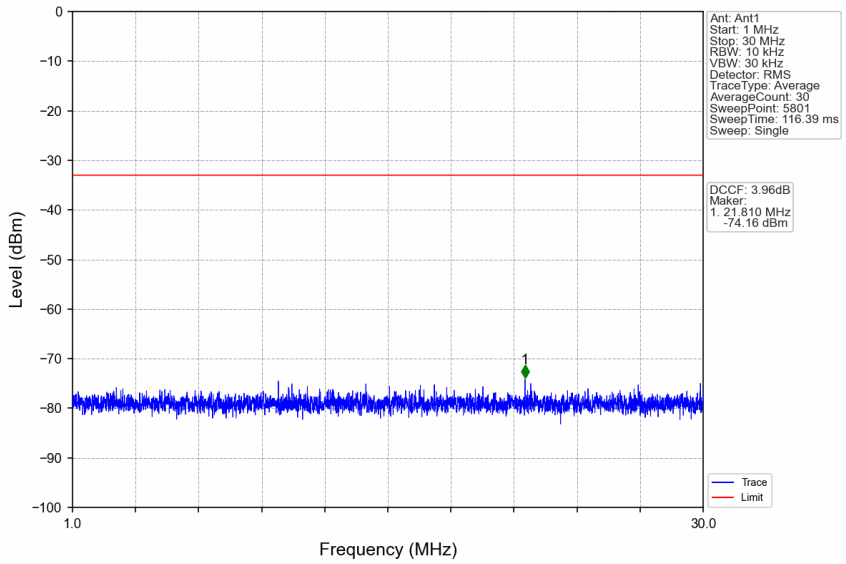
n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3715.005MHz_Edge_1RB_Left



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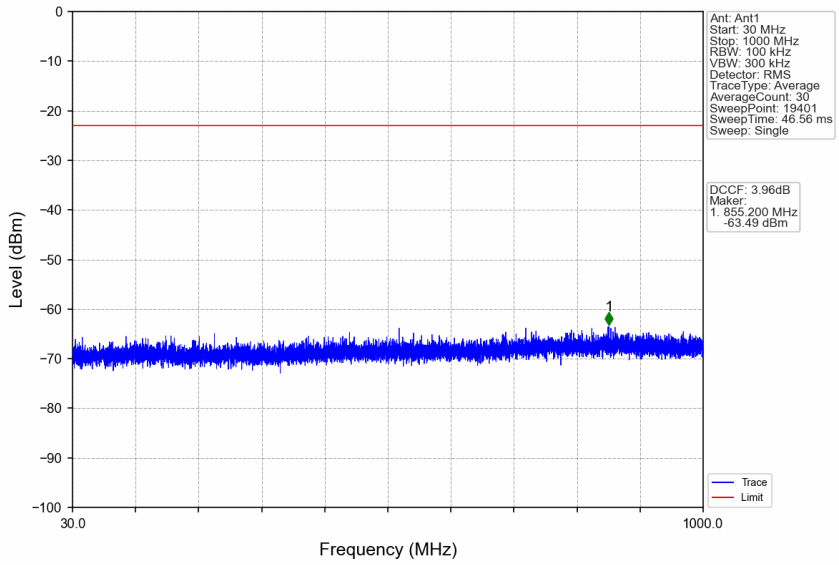

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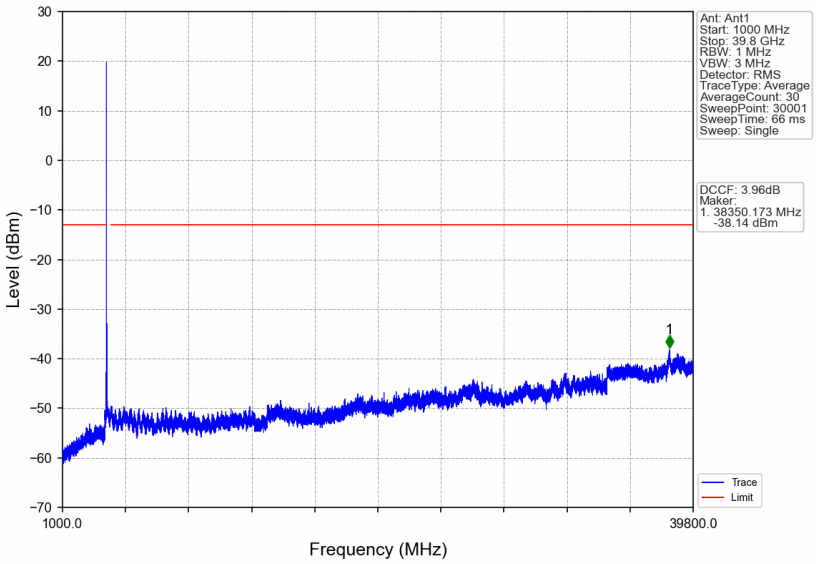
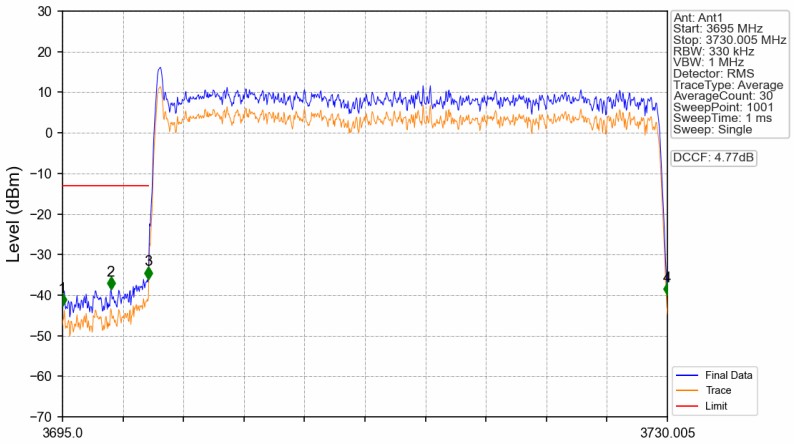


n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3715.005MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.005	1	/	1	3695.000	-42.68	-13	Pass
3695.005	3699.005	0.5	/	2	3697.800	-38.58	-13	Pass
3699.005	3700.005	0.33	/	3	3699.971	-36.07	-13	Pass
3700.005	3730.005	0.33	/	4	3730.005	-39.98	-13	Pass

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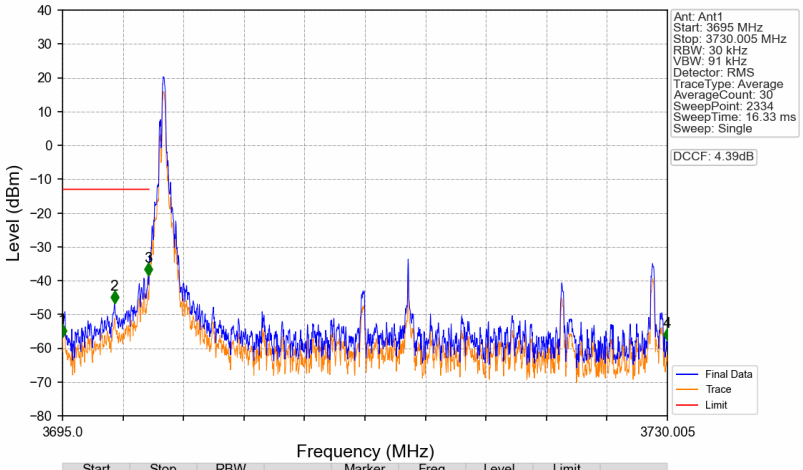
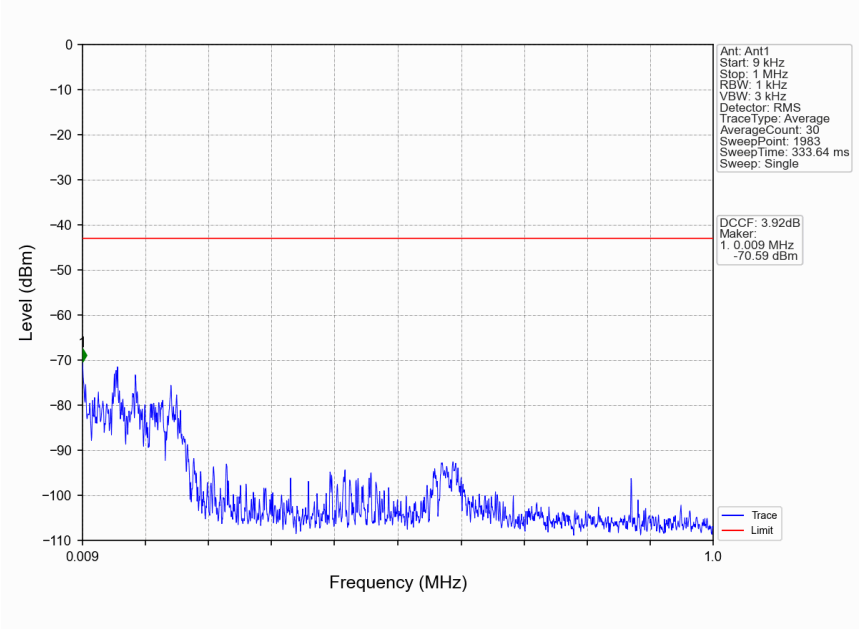


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.005	1	/	1	3695.000	-56.76	-13	Pass
3695.005	3699.005	0.5	/	2	3698.001	-46.72	-13	Pass
3699.005	3700.005	0.03	/	3	3699.951	-38.55	-13	Pass
3700.005	3730.005	0.03	/	4	3730.005	-57.74	-13	Pass

n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left



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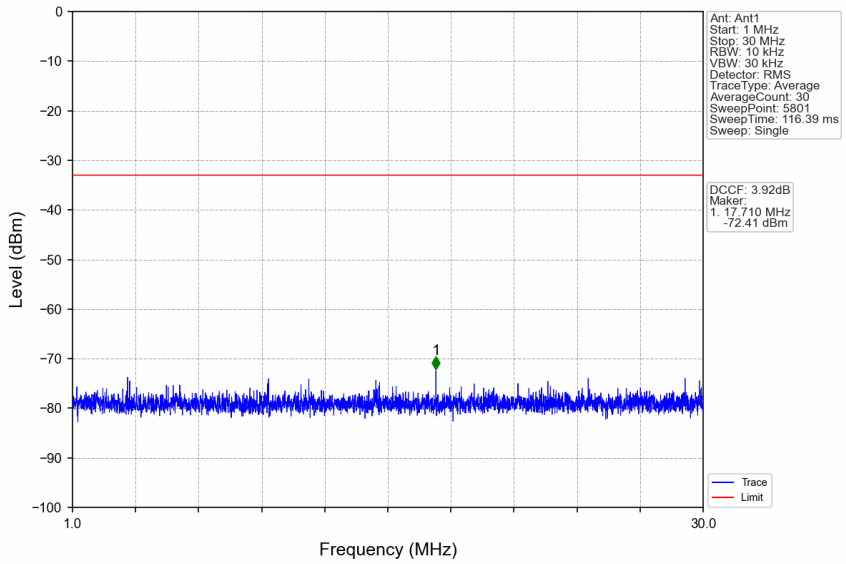
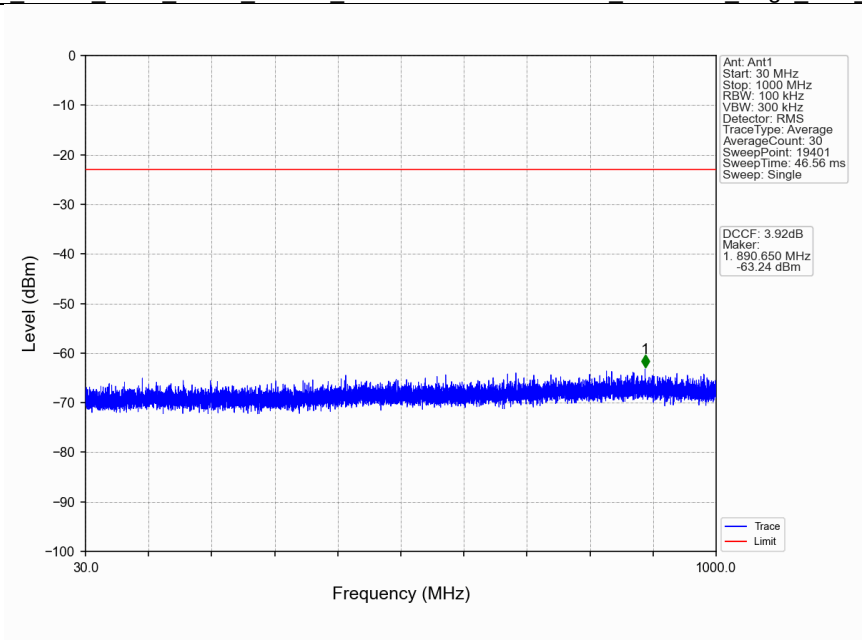


n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left



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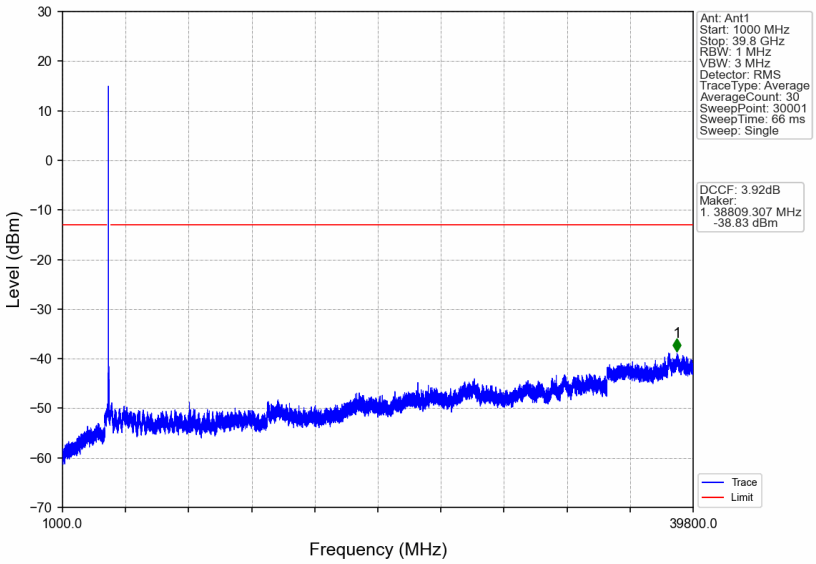
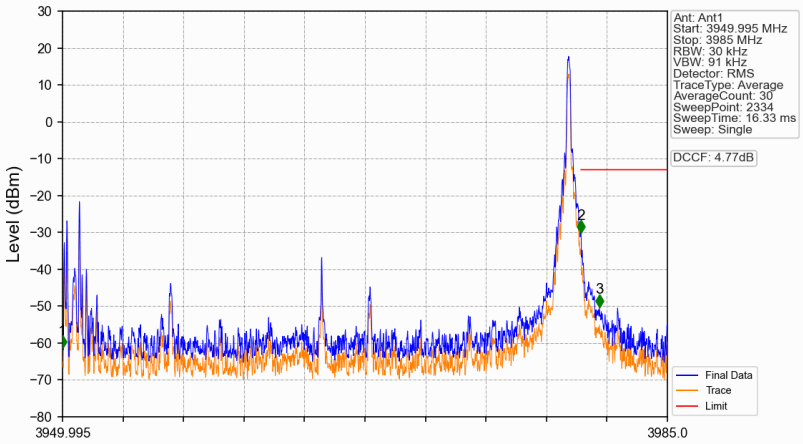


n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3964.995MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3949.995	3979.995	0.03	/	1	3949.995	-61.33	-13	Pass
3979.995	3979.995	0.03	/	/	/	/	/	/
3979.995	3980.995	0.03	/	2	3980.004	-30.19	-13	Pass
3980.995	3984.995	0.5	/	3	3981.069	-50.24	-13	Pass

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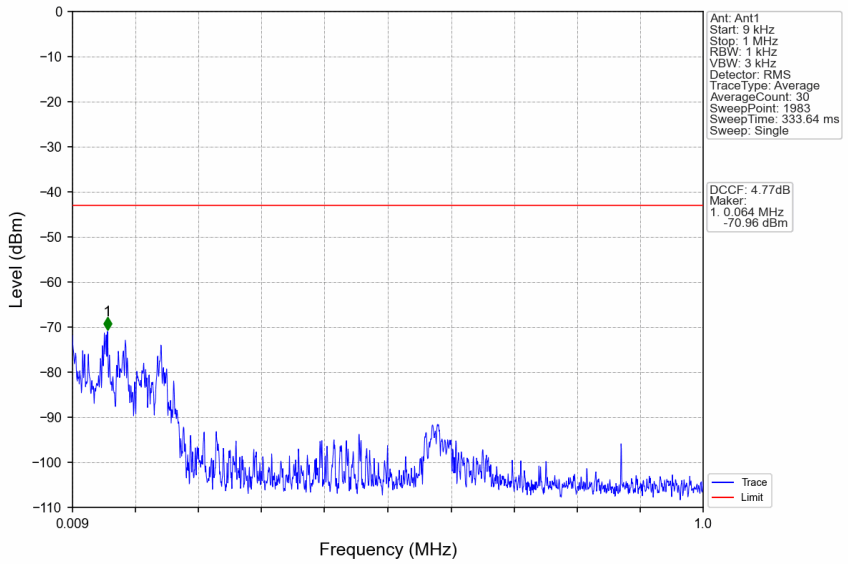
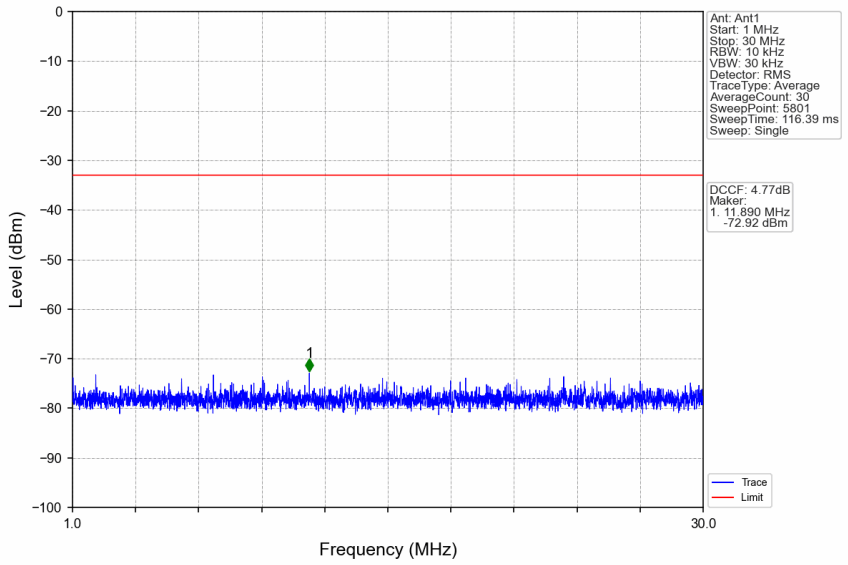
n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3964.995MHz_Edge_1RB_Right



n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3964.995MHz_Edge_1RB_Right



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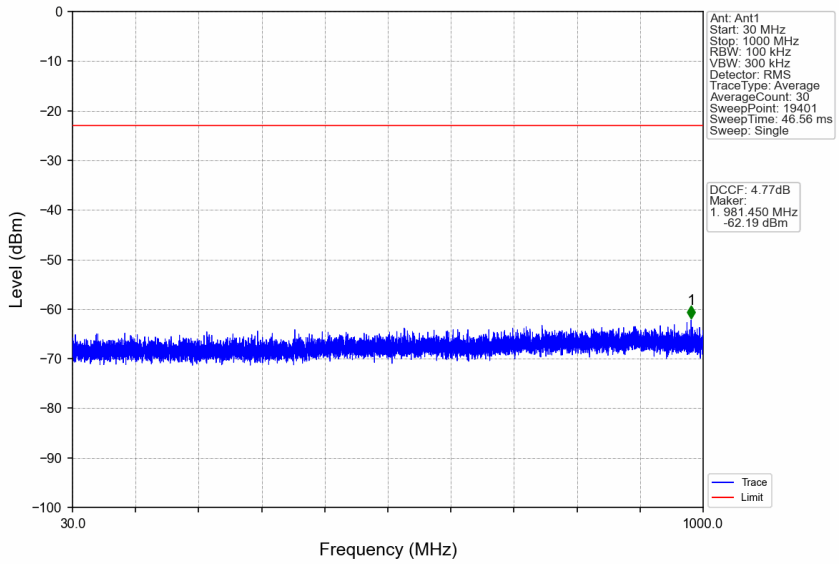
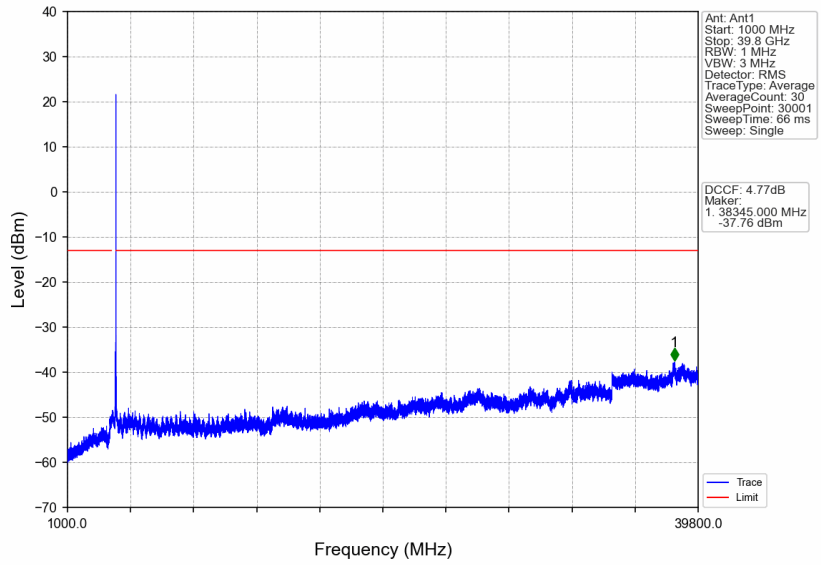
n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3964.995MHz_Edge_1RB_Right



n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3964.995MHz_Edge_1RB_Right



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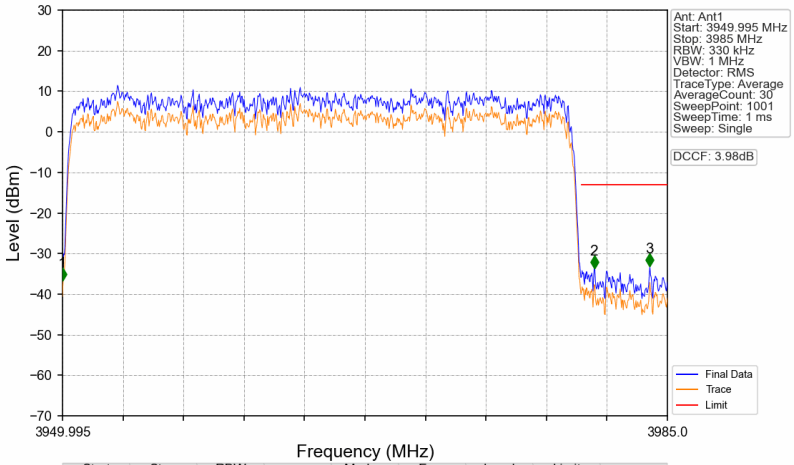
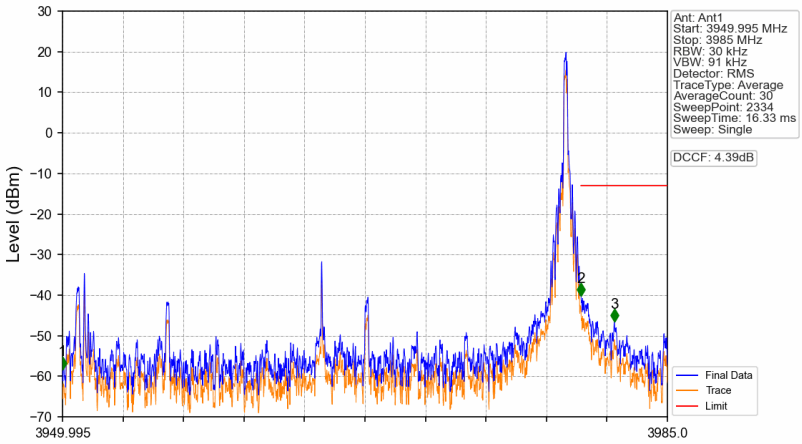
n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3964.995MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3949.995	3979.995	0.33	/	1	3949.995	-36.62	-13	Pass
3979.995	3979.995	0.33	/	/	/	/	/	/
3979.995	3980.995	0.33	/	2	3980.764	-33.69	-13	Pass
3980.995	3984.995	0.5	/	3	3983.985	-33.15	-13	Pass

n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3964.995MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3949.995	3979.995	0.03	/	1	3949.995	-58.28	-13	Pass
3979.995	3979.995	0.03	/	/	/	/	/	/
3979.995	3980.995	0.03	/	2	3980.004	-40.17	-13	Pass
3980.995	3984.995	0.5	/	3	3981.924	-46.57	-13	Pass

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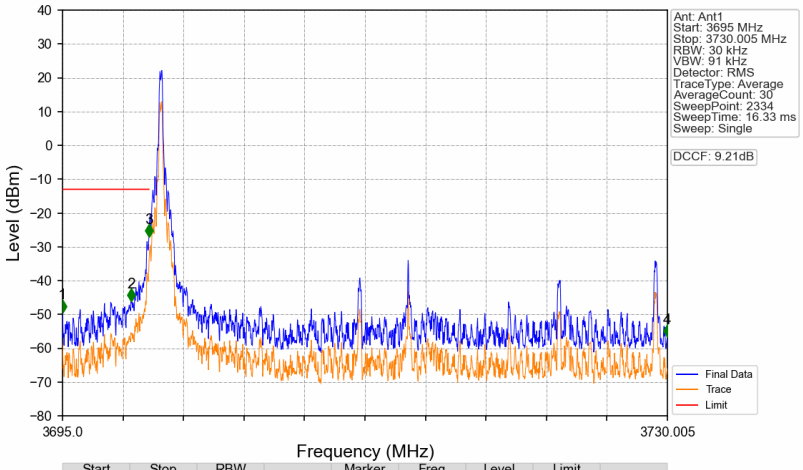
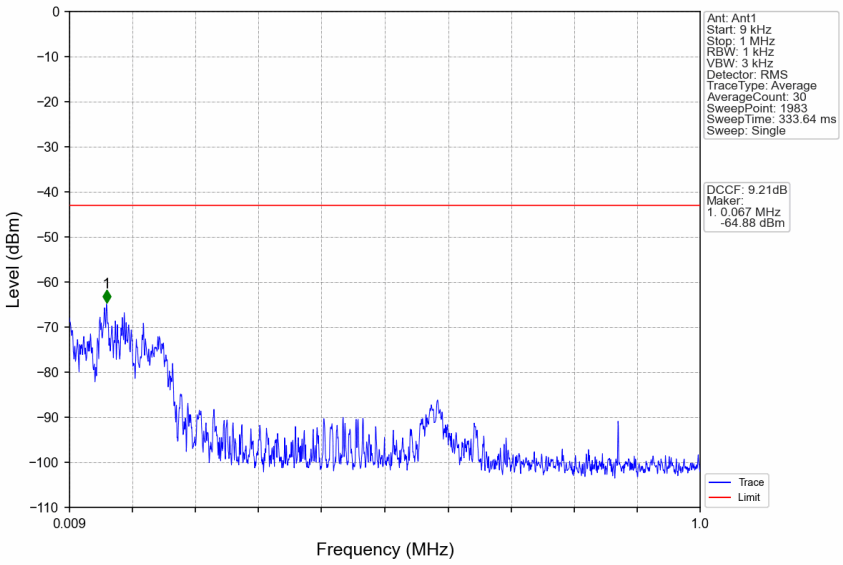
n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3715.005MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.005	1	/	1	3695.000	-49.44	-13	Pass
3695.005	3699.005	0.5	/	2	3698.961	-46.20	-13	Pass
3699.005	3700.005	0.03	/	3	3699.996	-27.07	-13	Pass
3700.005	3730.005	0.03	/	4	3730.005	-56.79	-13	Pass

n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3715.005MHz_Edge_1RB_Left



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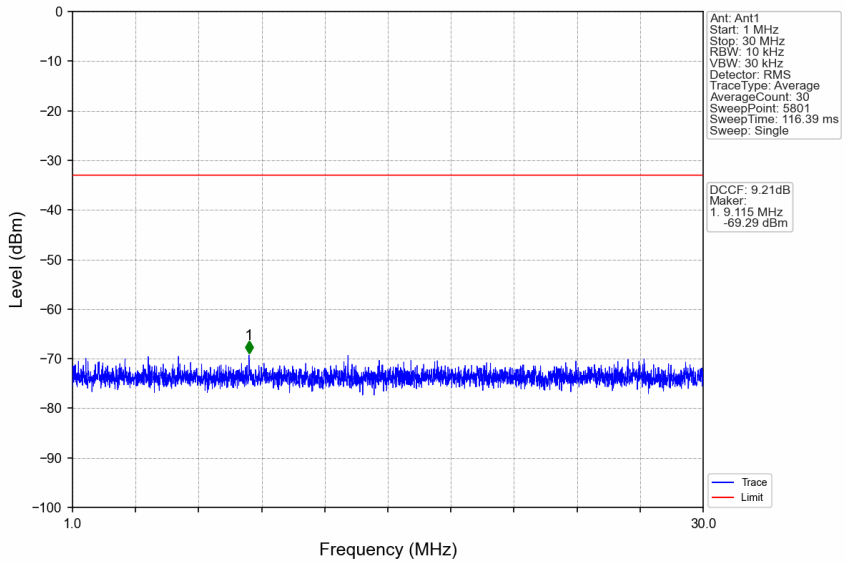

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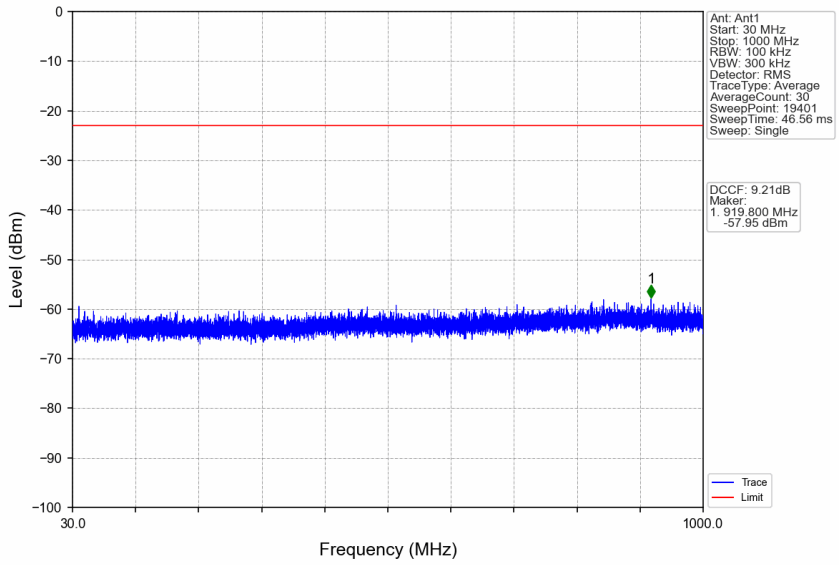

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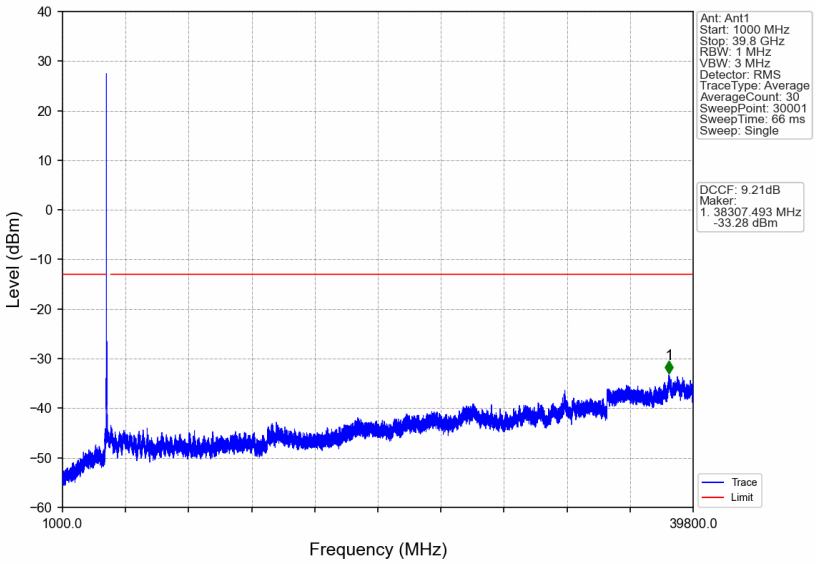

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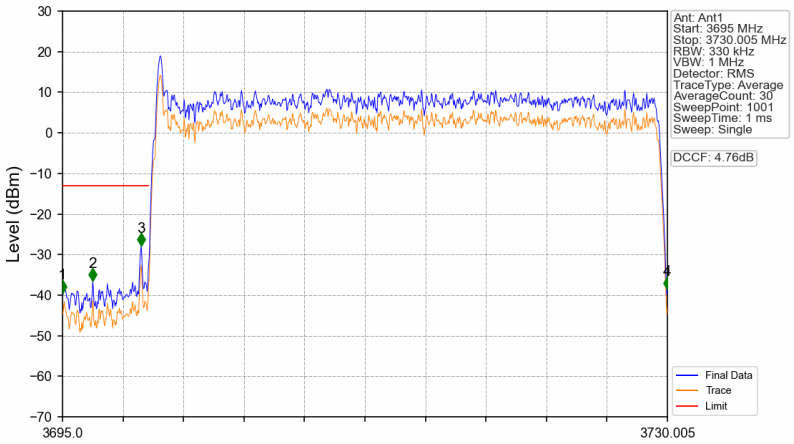

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.005	1	/	1	3695.000	-39.41	-13	Pass
3695.005	3699.005	0.5	/	2	3696.750	-36.53	-13	Pass
3699.005	3700.005	0.33	/	3	3699.551	-27.84	-13	Pass
3700.005	3730.005	0.33	/	4	3730.005	-38.52	-13	Pass

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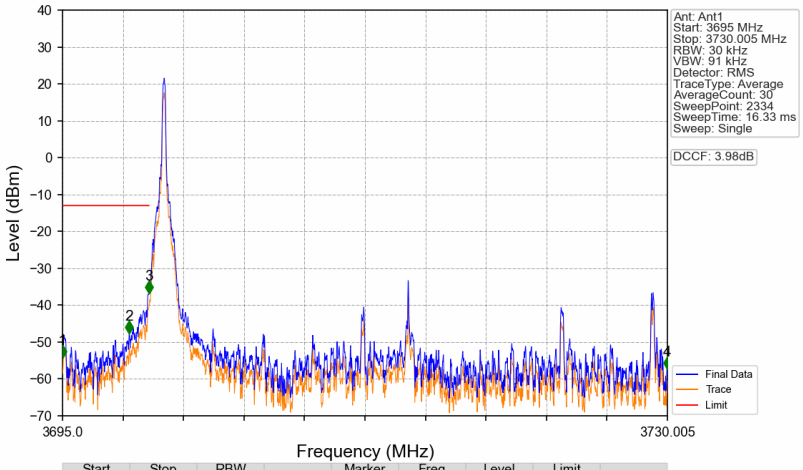

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.005	1	/	1	3695.000	-54.37	-13	Pass
3695.005	3699.005	0.5	/	2	3698.856	-47.63	-13	Pass
3699.005	3700.005	0.03	/	3	3699.996	-36.84	-13	Pass
3700.005	3730.005	0.03	/	4	3730.005	-57.45	-13	Pass

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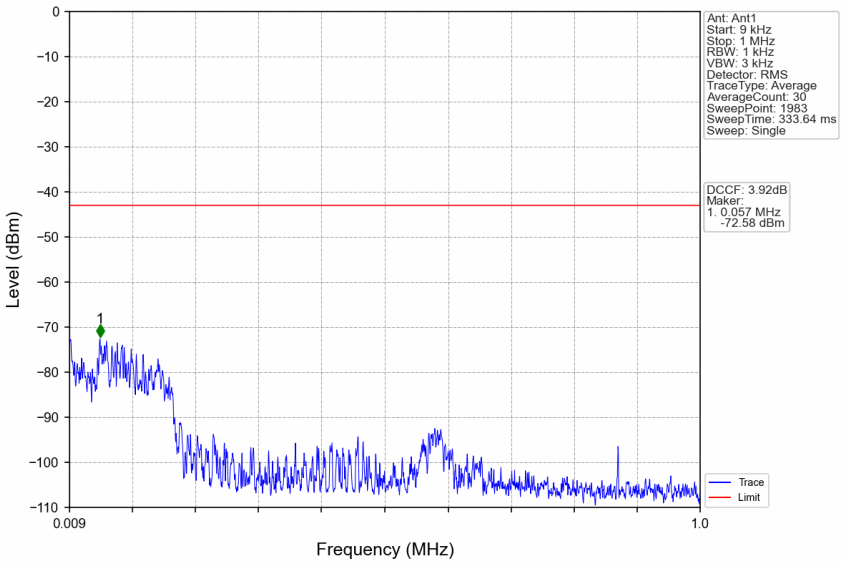

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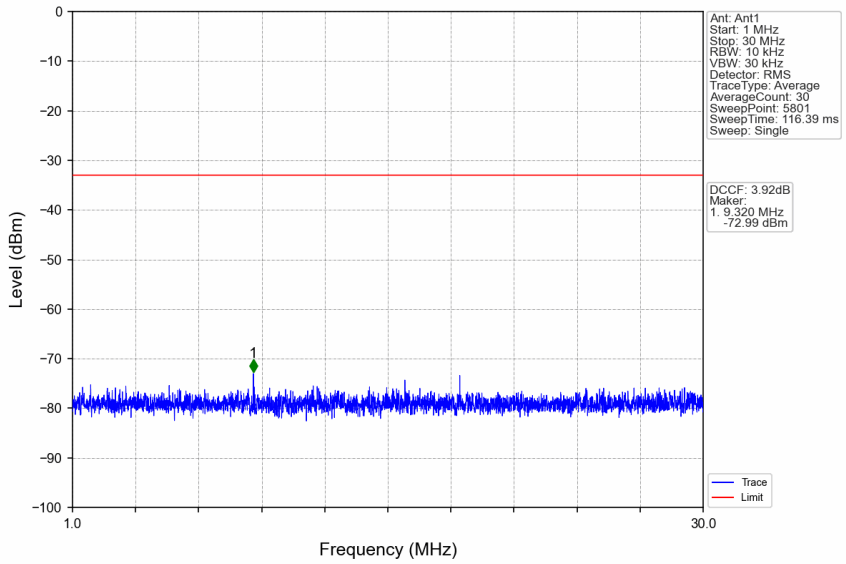

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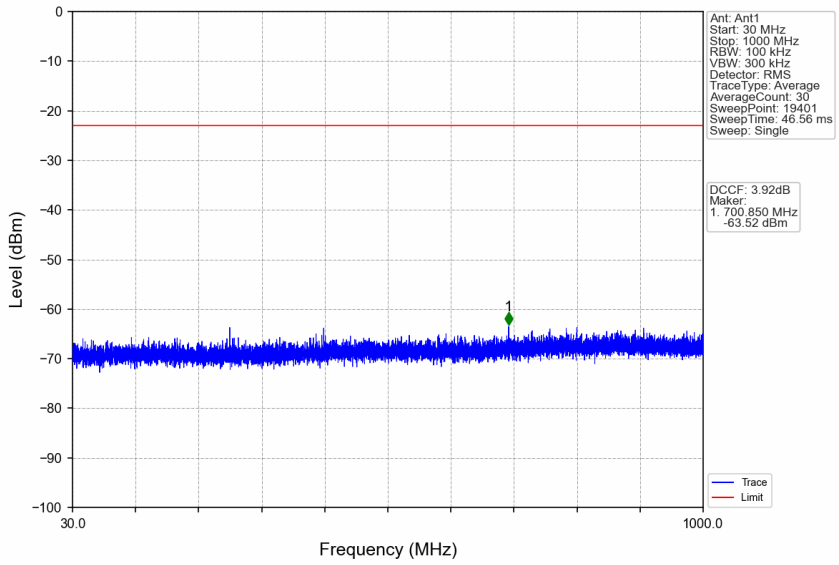

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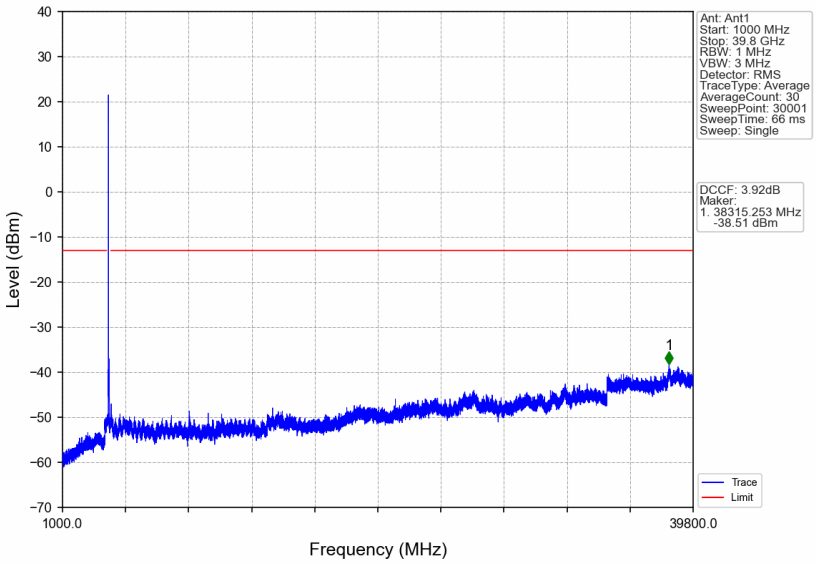
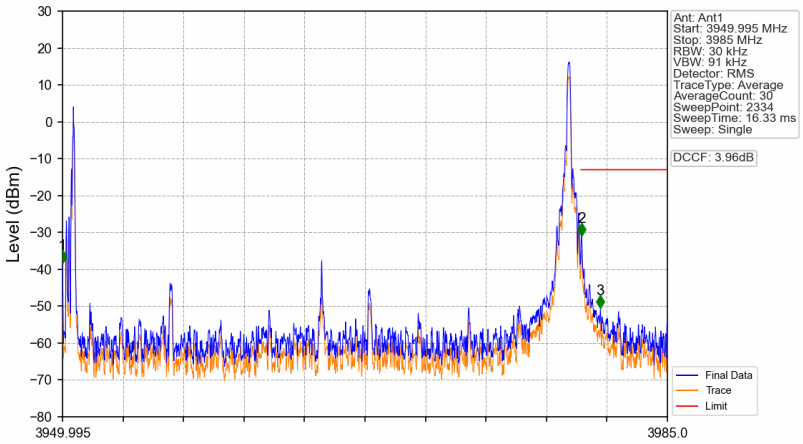


n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3964.995MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3949.995	3979.995	0.03	/	1	3949.995	-38.23	-13	Pass
3979.995	3979.995	0.03	/	/	/	/	/	/
3979.995	3980.995	0.03	/	2	3980.034	-30.99	-13	Pass
3980.995	3984.995	0.5	/	3	3981.129	-50.59	-13	Pass

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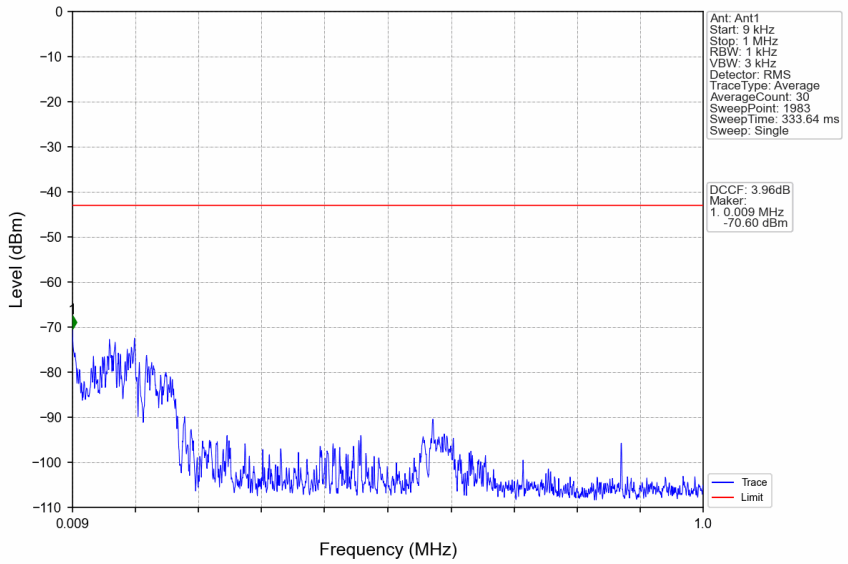
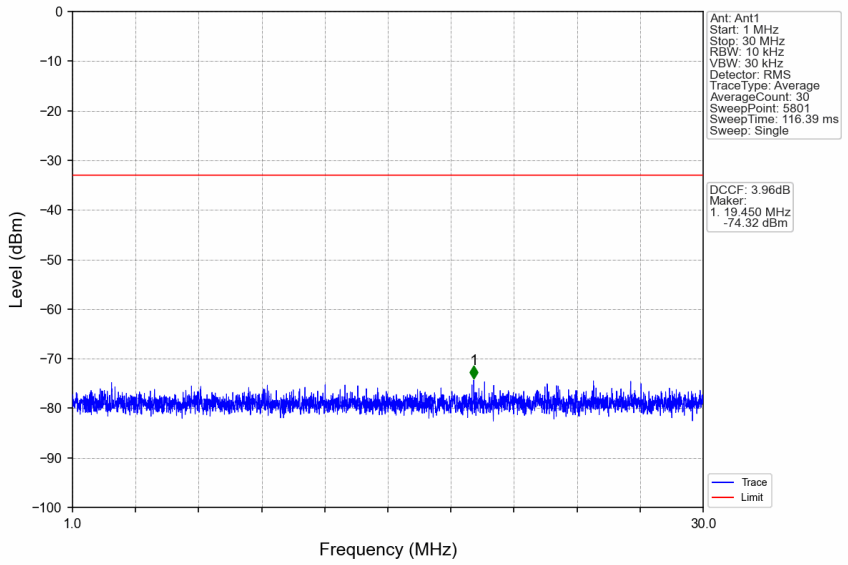
n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3964.995MHz_Edge_1RB_Right



n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3964.995MHz_Edge_1RB_Right



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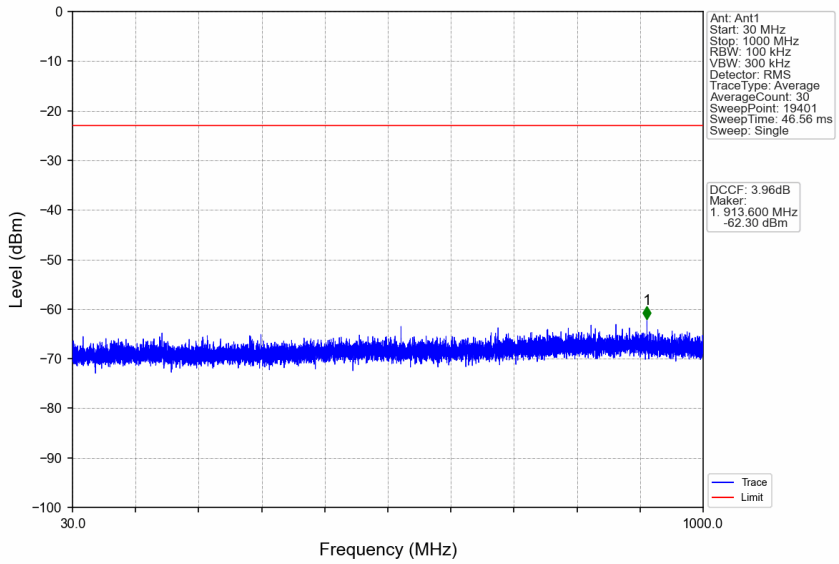
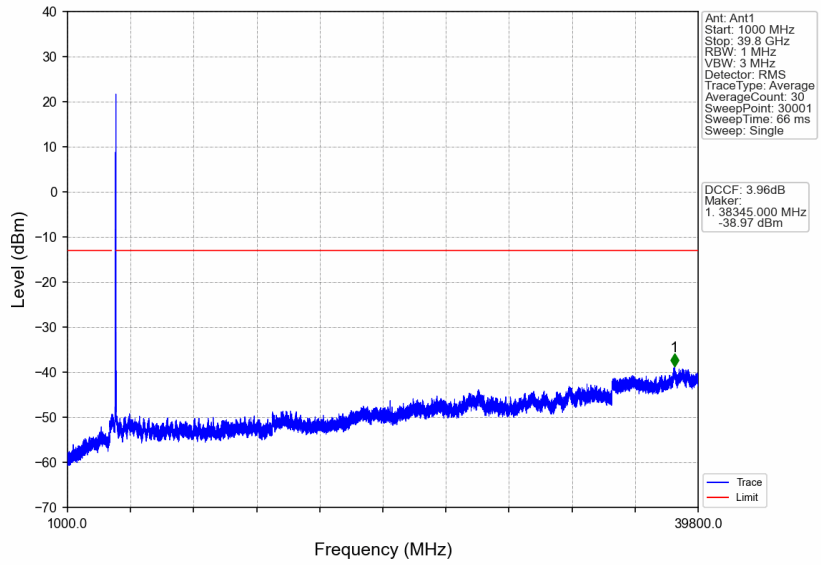
n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3964.995MHz_Edge_1RB_Right



n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3964.995MHz_Edge_1RB_Right



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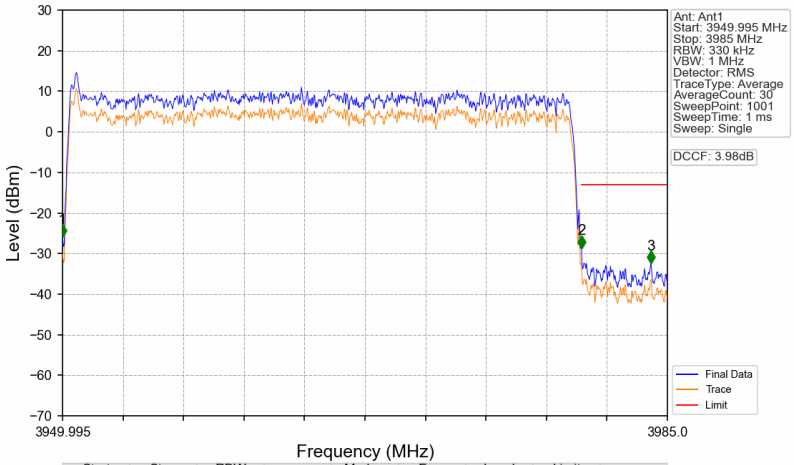
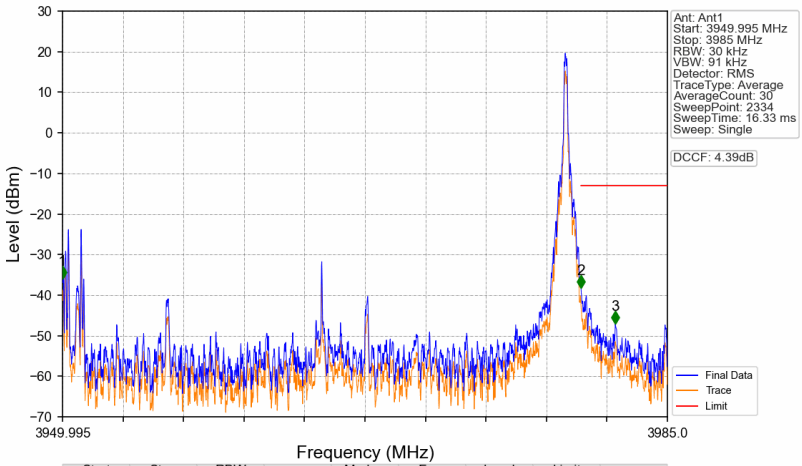
n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3964.995MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3949.995	3979.995	0.33	/	1	3949.995	-25.87	-13	Pass
3979.995	3979.995	0.33	/	/	/	/	/	/
3979.995	3980.995	0.33	/	2	3980.029	-28.64	-13	Pass
3980.995	3984.995	0.5	/	3	3984.055	-32.38	-13	Pass

n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3964.995MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3949.995	3979.995	0.03	/	1	3949.995	-35.92	-13	Pass
3979.995	3979.995	0.03	/	/	/	/	/	/
3979.995	3980.995	0.03	/	2	3980.004	-38.30	-13	Pass
3980.995	3984.995	0.5	/	3	3981.984	-47.06	-13	Pass

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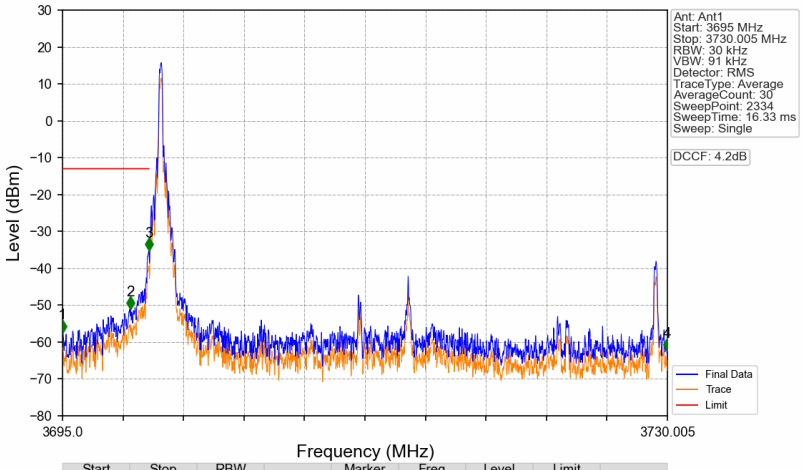
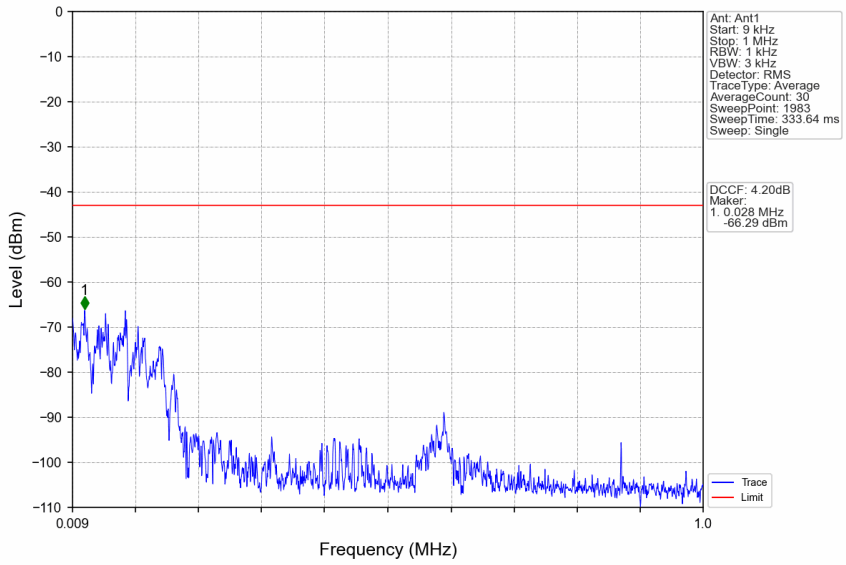
n77a_15kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3715.005MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.005	1	/	1	3695.000	-57.41	-13	Pass
3695.005	3699.005	0.5	/	2	3698.946	-51.05	-13	Pass
3699.005	3700.005	0.03	/	3	3699.996	-35.16	-13	Pass
3700.005	3730.005	0.03	/	4	3730.005	-62.32	-13	Pass

n77a_15kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3715.005MHz_Edge_1RB_Left



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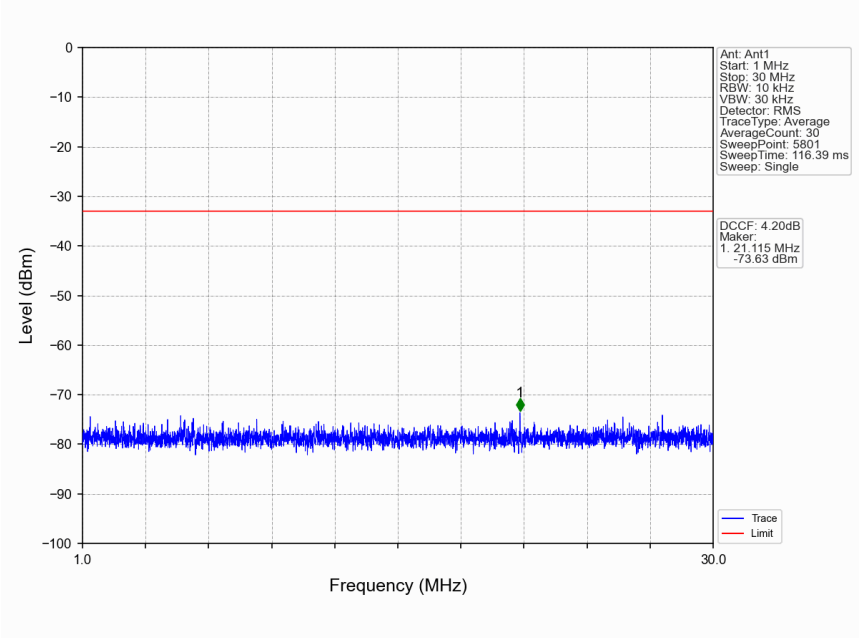
n77a_15kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3715.005MHz_Edge_1RB_Left



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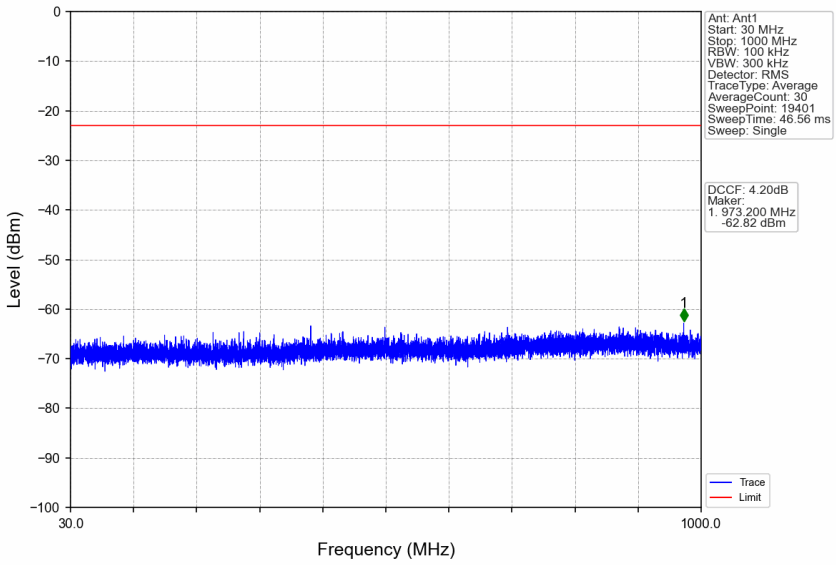

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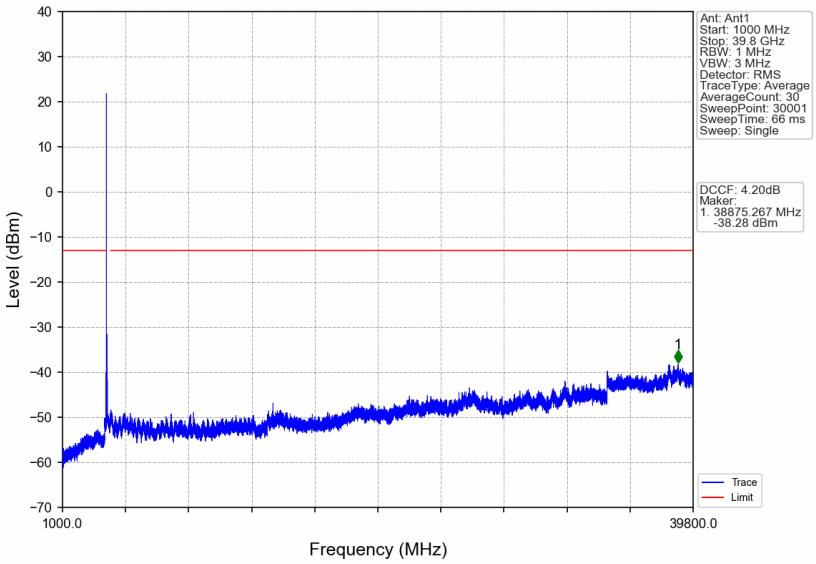
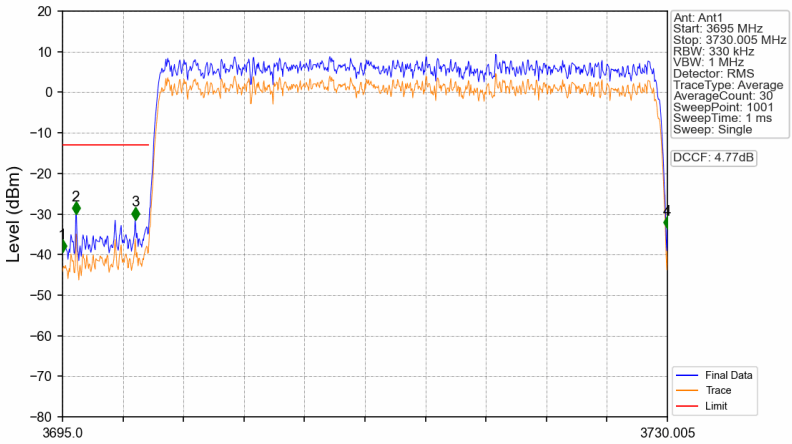


n77a_15kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3715.005MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.005	1	/	1	3695.000	-39.42	-13	Pass
3695.005	3699.005	0.5	/	2	3695.770	-30.16	-13	Pass
3699.005	3700.005	0.33	/	3	3699.201	-31.41	-13	Pass
3700.005	3730.005	0.33	/	4	3730.005	-33.63	-13	Pass

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