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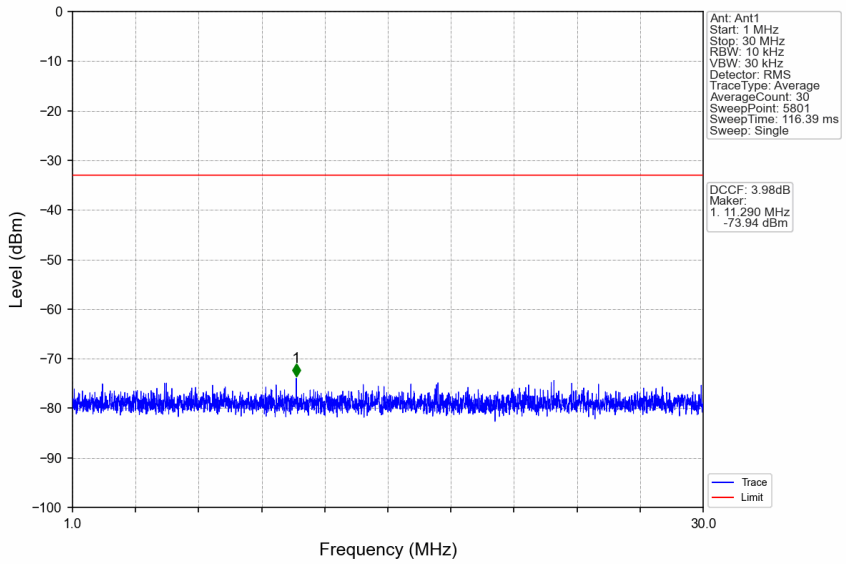

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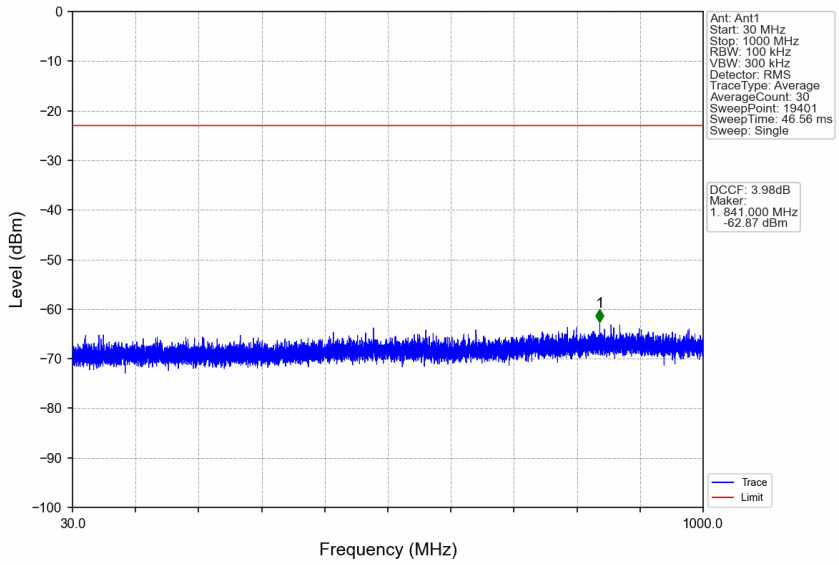

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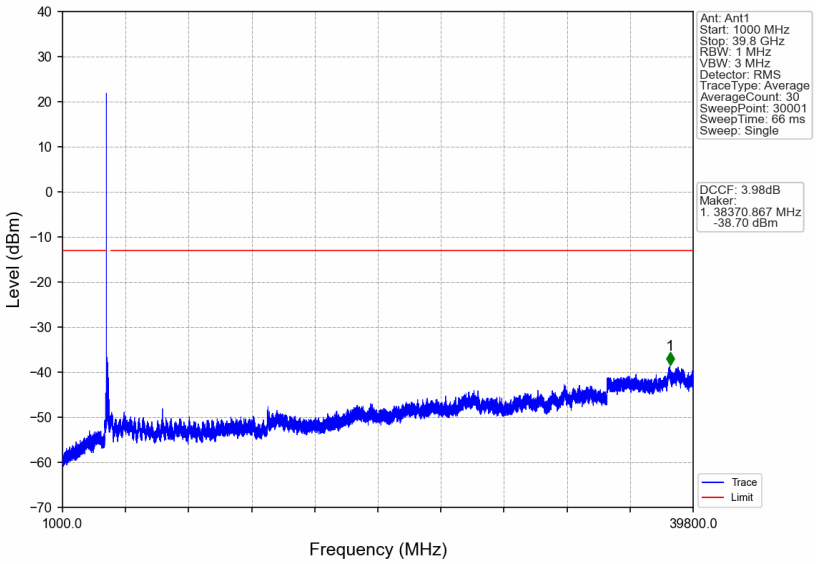
n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3745.02MHz_Edge_1RB_Left



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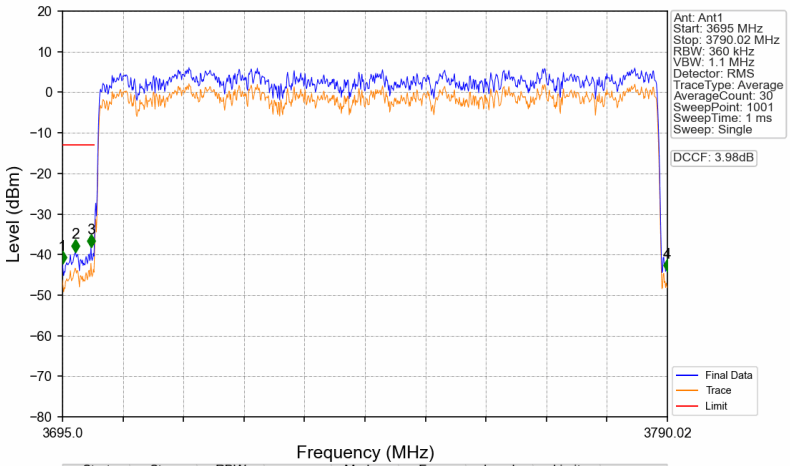

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	/	1	3695.000	-42.32	-13	Pass
3695.02	3699.02	0.5	/	2	3696.995	-39.37	-13	Pass
3699.02	3700.02	0.36	/	3	3699.466	-38.17	-13	Pass
3700.02	3790.02	0.36	/	4	3790.020	-44.24	-13	Pass

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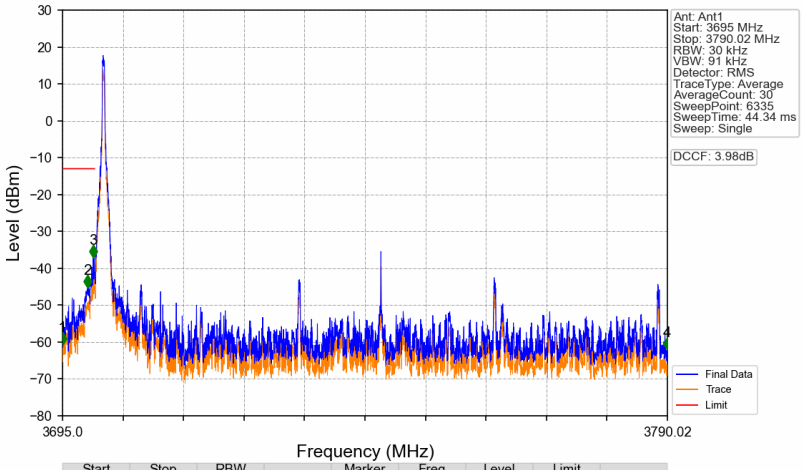
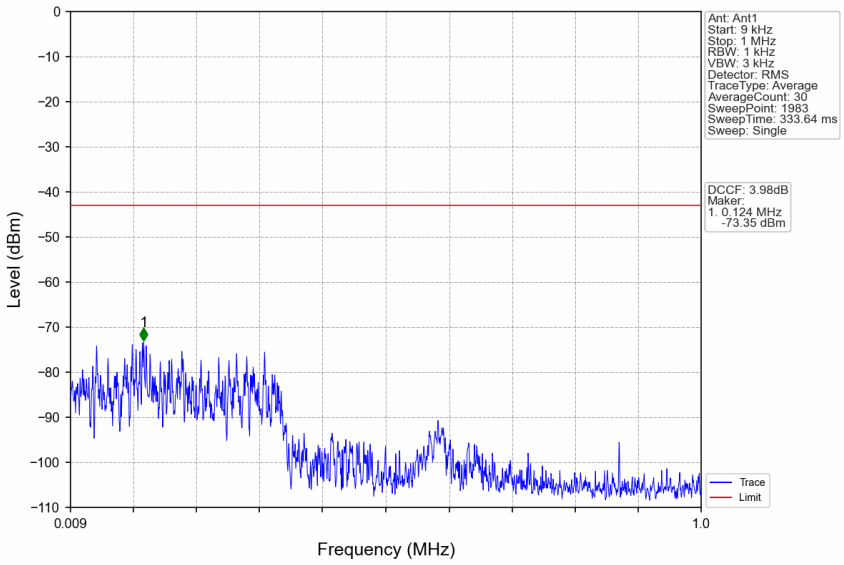
n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3745.02MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	/	1	3695.000	-60.85	-13	Pass
3695.02	3699.02	0.5	/	2	3698.975	-45.28	-13	Pass
3699.02	3700.02	0.03	/	3	3699.816	-37.10	-13	Pass
3700.02	3790.02	0.03	/	4	3790.020	-62.10	-13	Pass

n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left



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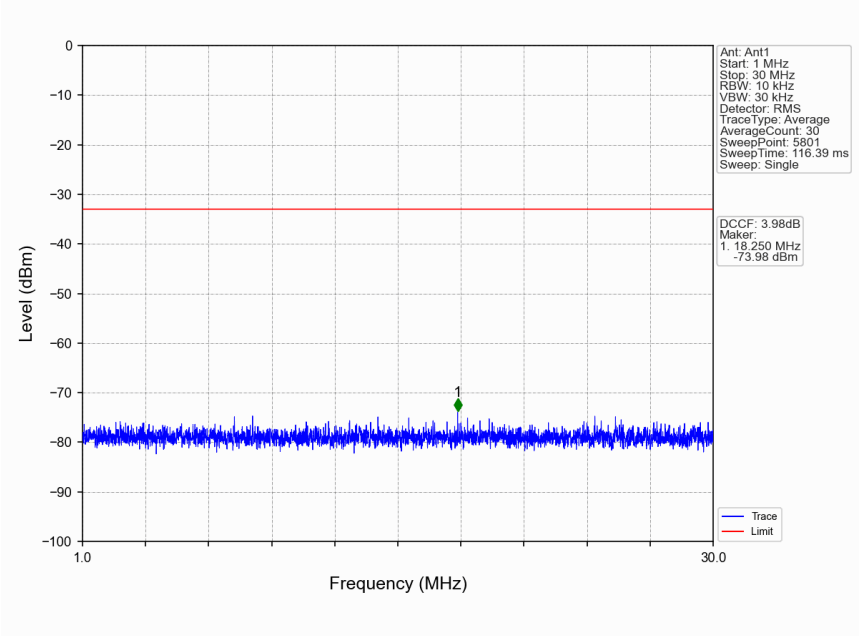
n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left



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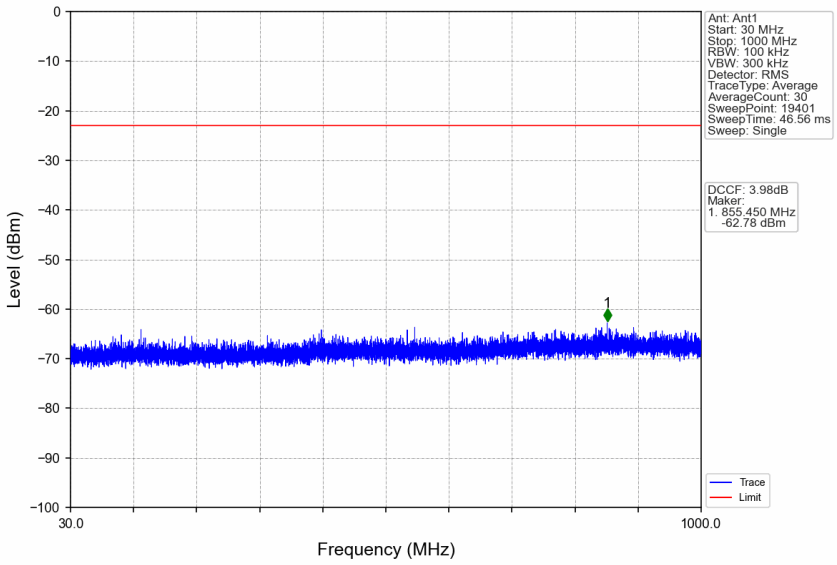

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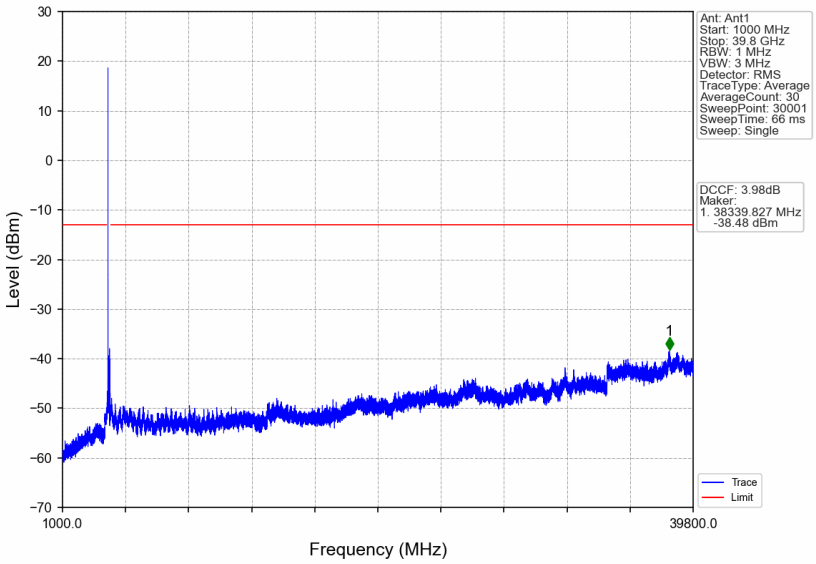
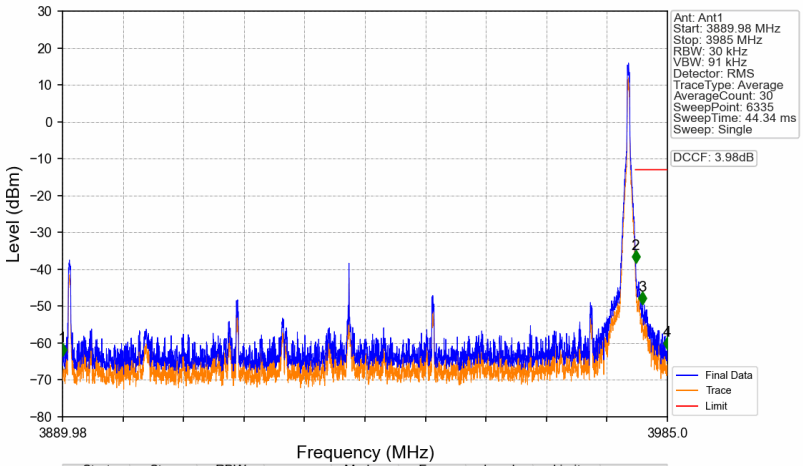
n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3934.98MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3889.98	3979.98	0.03	/	1	3889.980	-63.41	-13	Pass
3979.98	3979.98	0.03	/	/	/	/	/	/
3979.98	3980.98	0.03	/	2	3980.019	-38.35	-13	Pass
3980.98	3984.98	0.5	/	3	3981.100	-49.56	-13	Pass
3984.98	3984.98	1	/	4	3984.985	-61.81	-13	Pass

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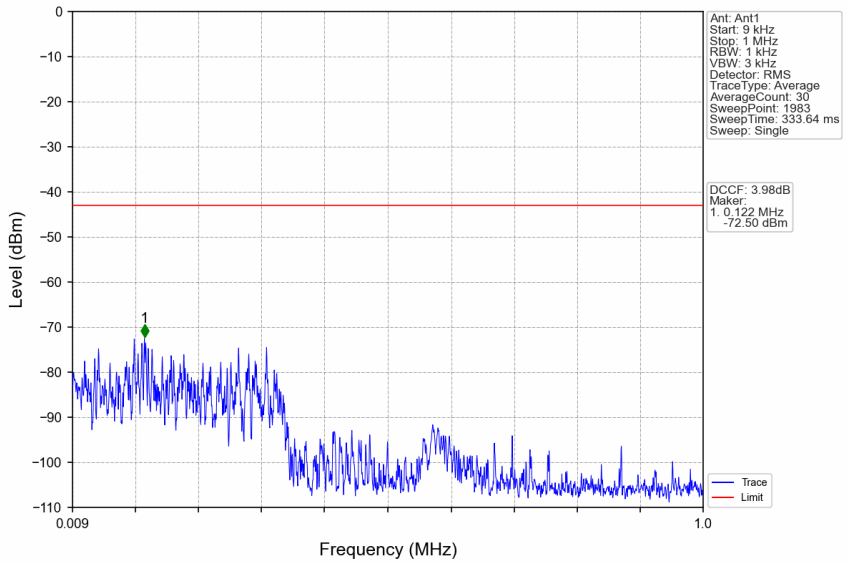
n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3934.98MHz_Edge_1RB_Right



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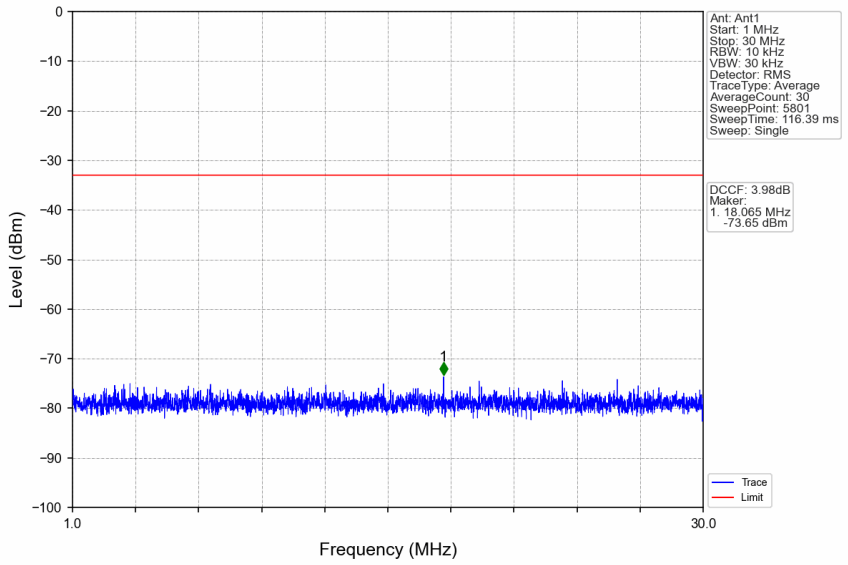

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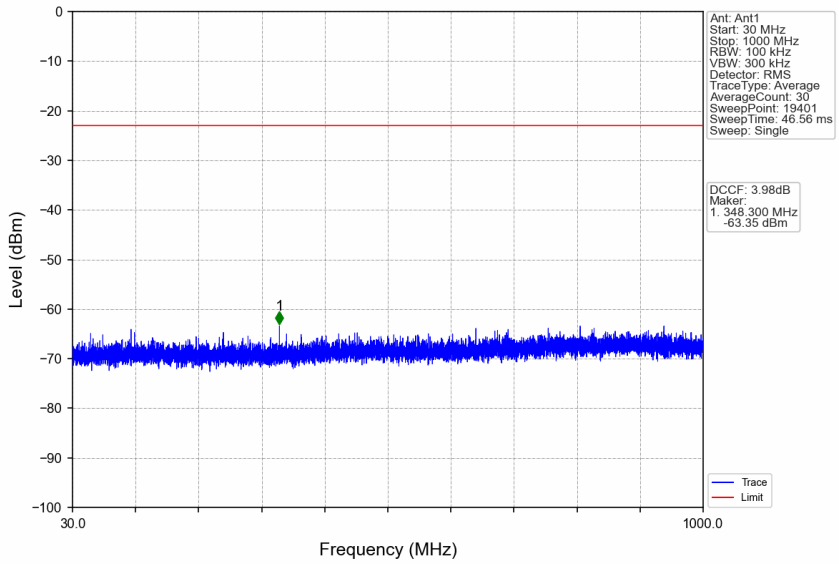

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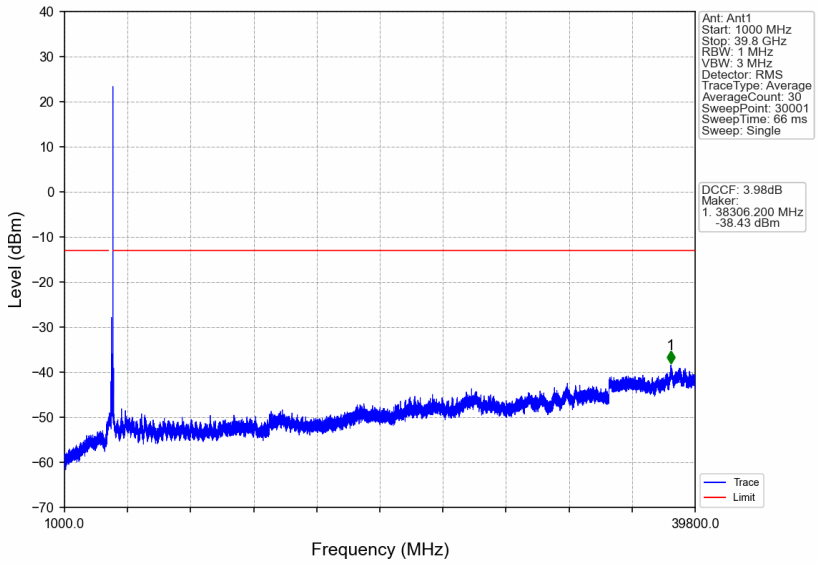

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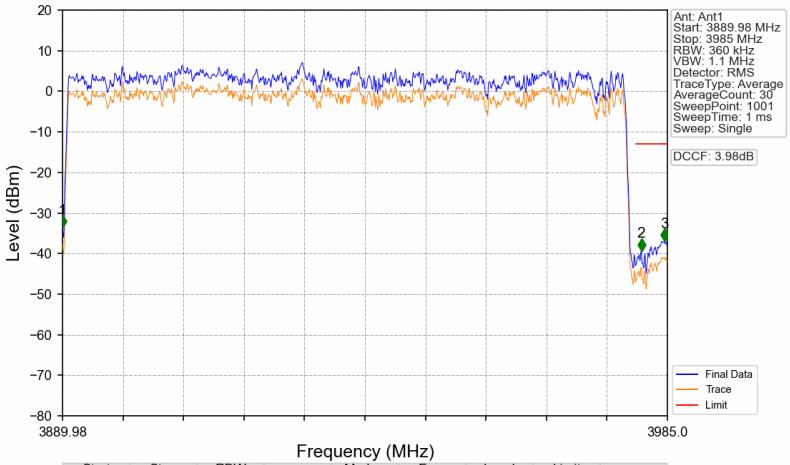
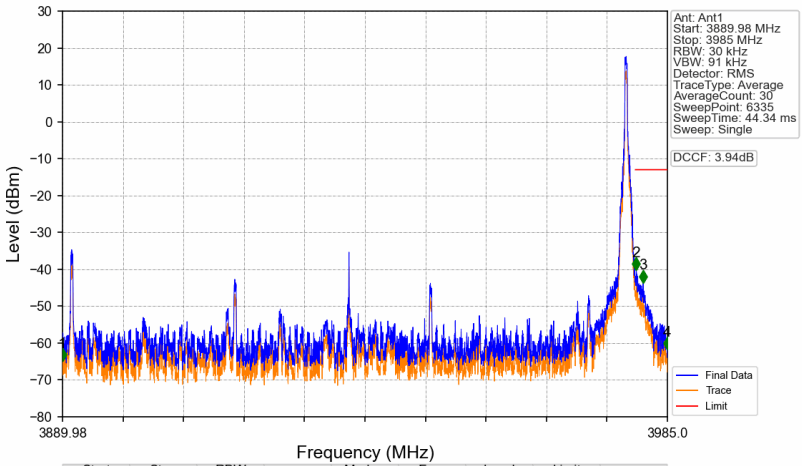


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3889.98	3979.98	0.36	/	1	3889.980	-33.69	-13	Pass
3979.98	3979.98	0.36	/	/	/	/	/	/
3979.98	3980.98	0.36	/	2	3980.914	-39.38	-13	Pass
3980.98	3984.98	0.5	/	3	3984.525	-36.95	-13	Pass

n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3934.98MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3889.98	3979.98	0.03	/	1	3889.980	-64.86	-13	Pass
3979.98	3979.98	0.03	/	/	/	/	/	/
3979.98	3980.98	0.03	/	2	3980.109	-40.32	-13	Pass
3980.98	3984.98	0.5	/	3	3981.190	-43.64	-13	Pass
3984.98	3984.98	1	/	4	3985.000	-61.84	-13	Pass

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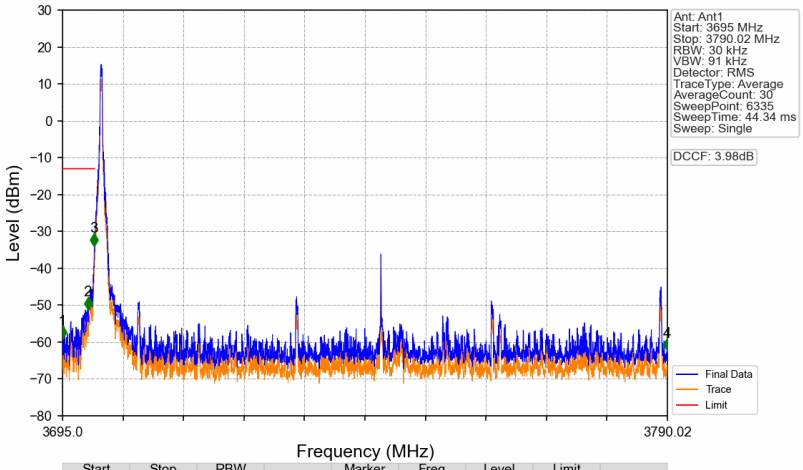
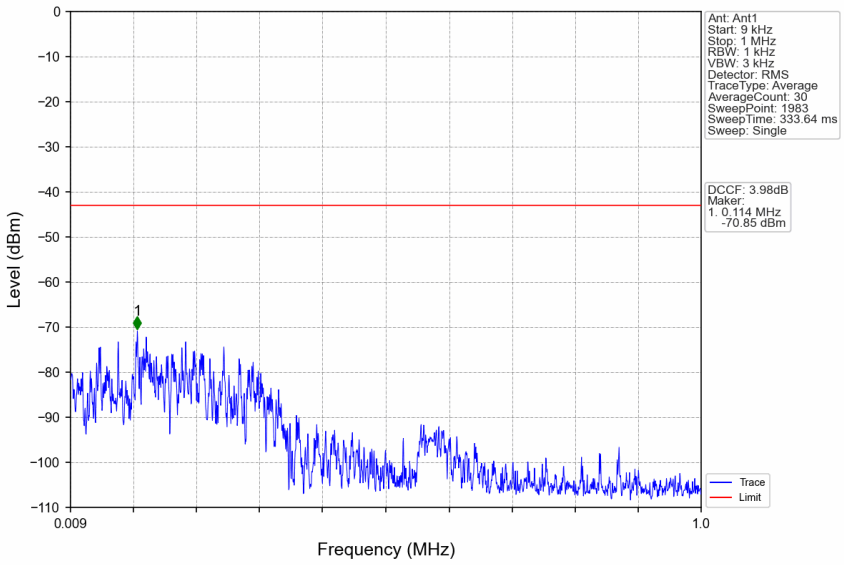


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	/	1	3695.000	-59.08	-13	Pass
3695.02	3699.02	0.5	/	2	3698.990	-51.19	-13	Pass
3699.02	3700.02	0.03	/	3	3699.996	-33.93	-13	Pass
3700.02	3790.02	0.03	/	4	3790.020	-62.38	-13	Pass

n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3745.02MHz_Edge_1RB_Left



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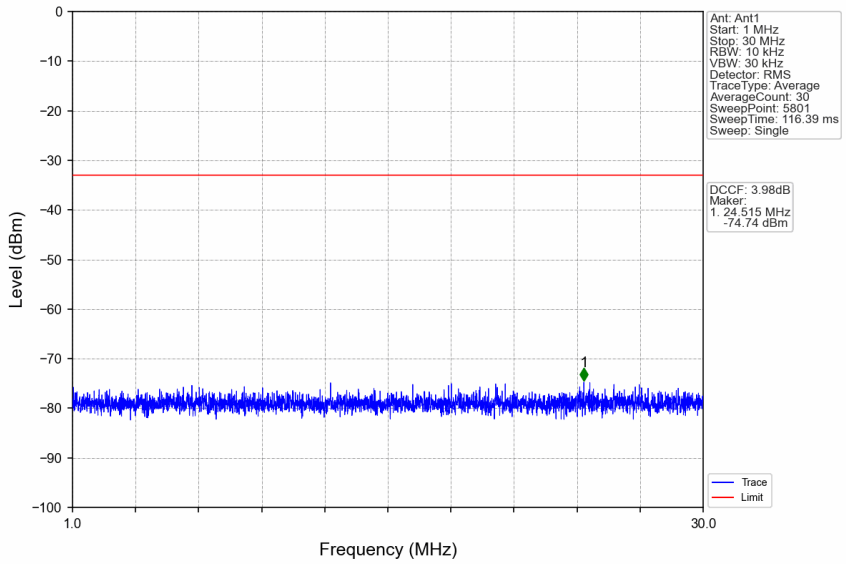

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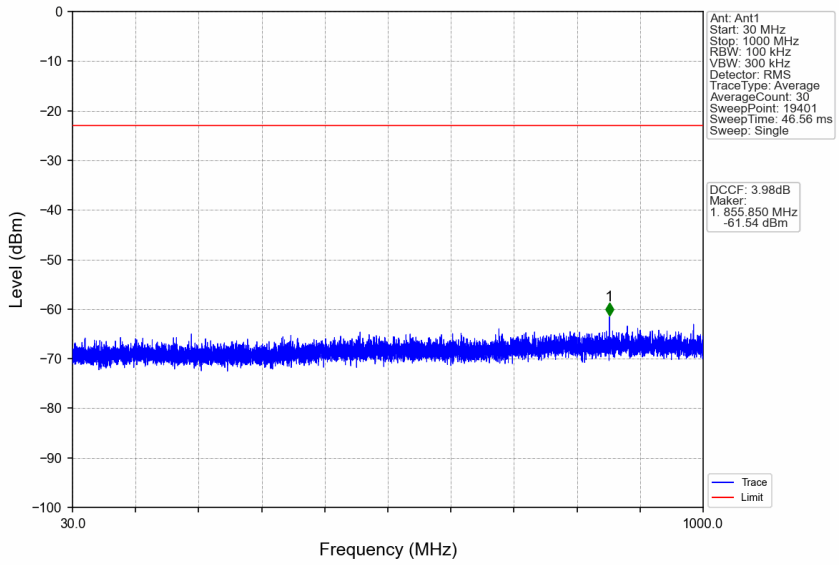

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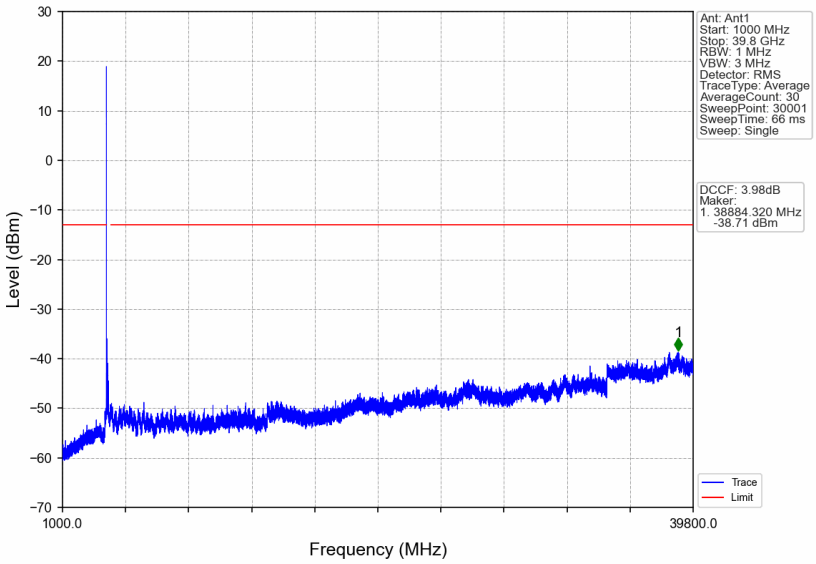
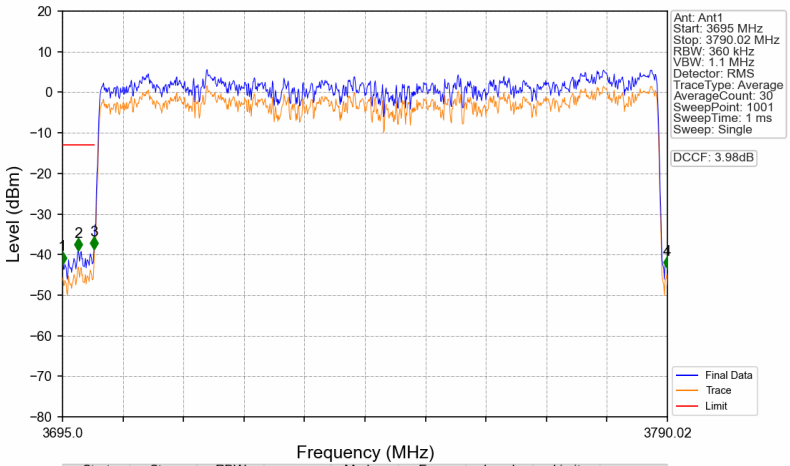
n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3745.02MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3745.02MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	/	1	3695.000	-42.34	-13	Pass
3695.02	3699.02	0.5	/	2	3697.471	-39.05	-13	Pass
3699.02	3700.02	0.36	/	3	3699.941	-38.76	-13	Pass
3700.02	3790.02	0.36	/	4	3790.020	-43.51	-13	Pass

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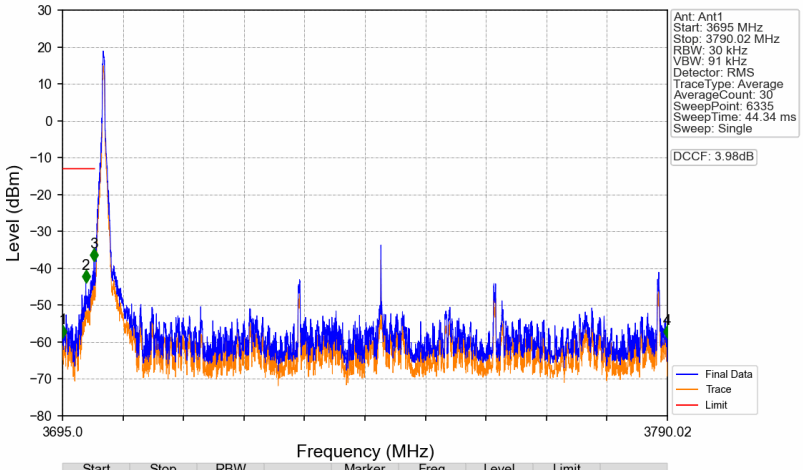
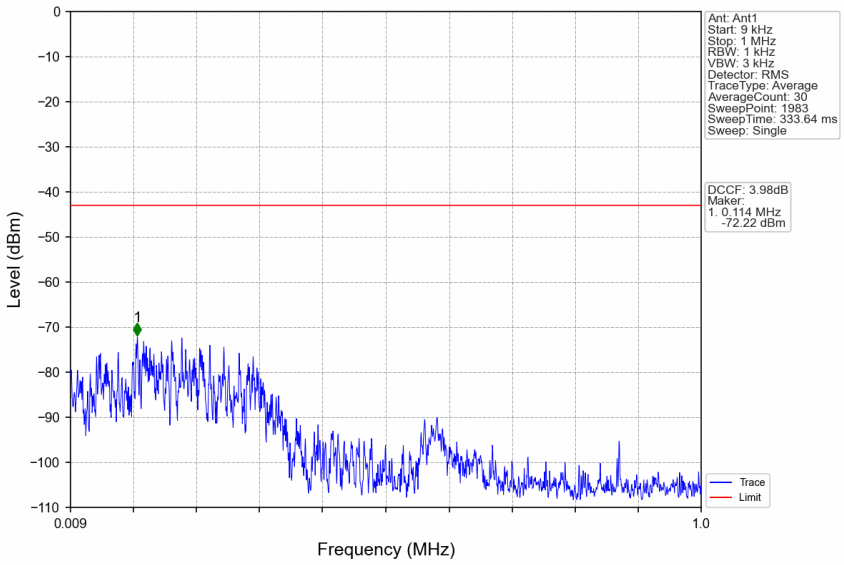
n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3745.02MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	/	1	3695.015	-58.77	-13	Pass
3695.02	3699.02	0.5	/	2	3698.660	-43.93	-13	Pass
3699.02	3700.02	0.03	/	3	3699.951	-38.17	-13	Pass
3700.02	3790.02	0.03	/	4	3790.020	-58.93	-13	Pass

n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3840MHz_Edge_1RB_Left



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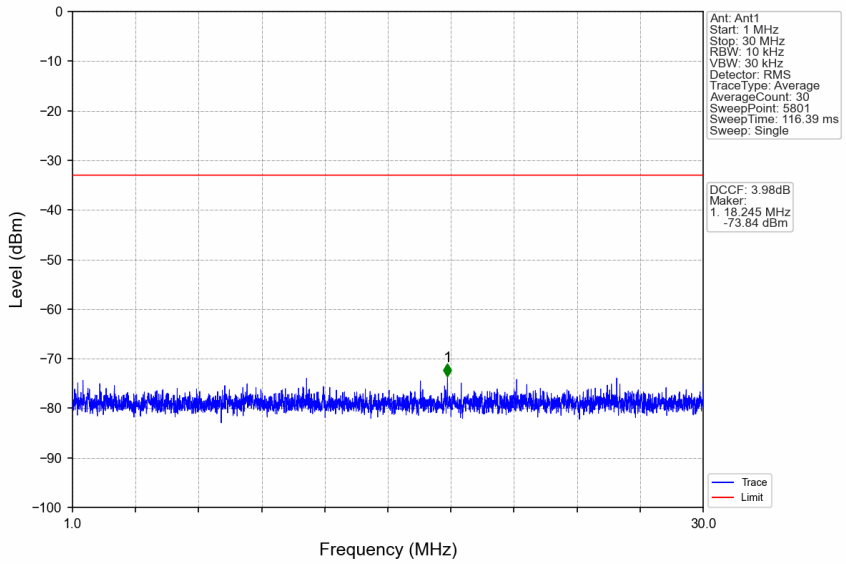
n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3840MHz_Edge_1RB_Left



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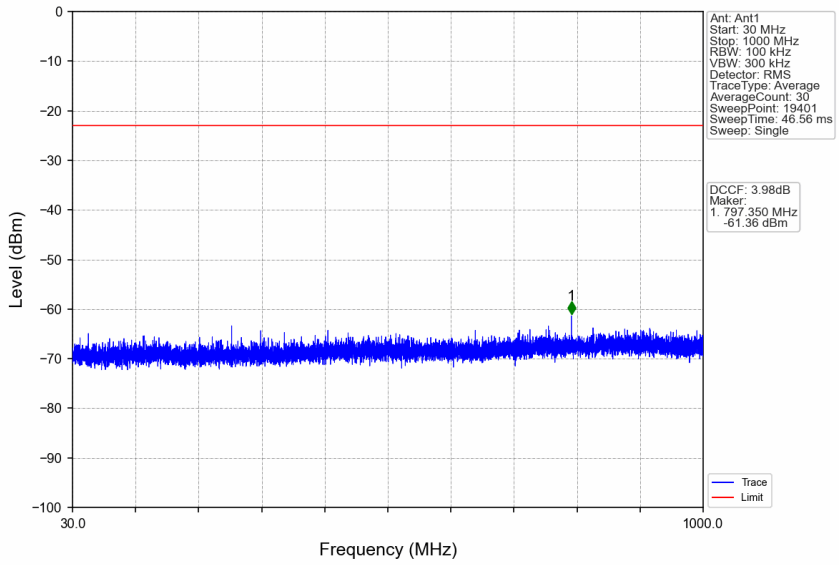

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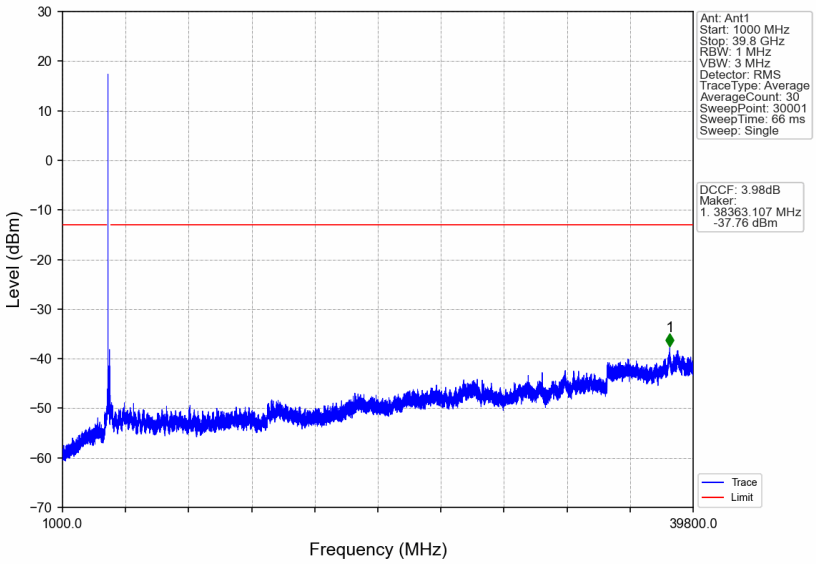
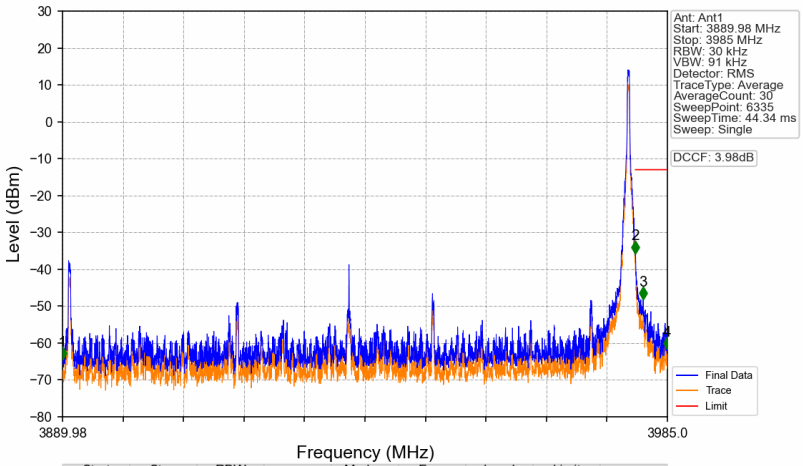
n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3840MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3934.98MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3889.98	3979.98	0.03	/	1	3889.980	-64.51	-13	Pass
3979.98	3979.98	0.03	/	/	/	/	/	/
3979.98	3980.98	0.03	/	2	3979.989	-35.68	-13	Pass
3980.98	3984.98	0.5	/	3	3981.190	-48.26	-13	Pass
3984.98	3984.98	1	/	4	3984.985	-61.81	-13	Pass

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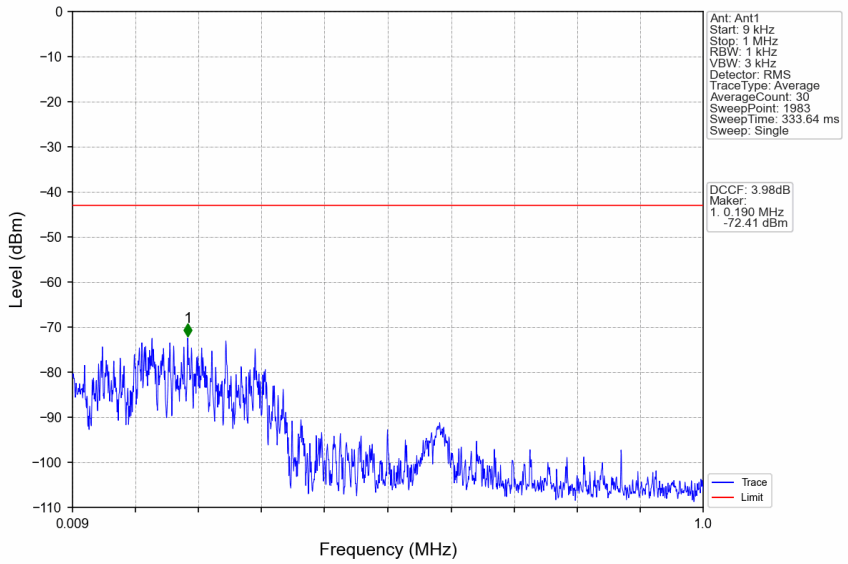

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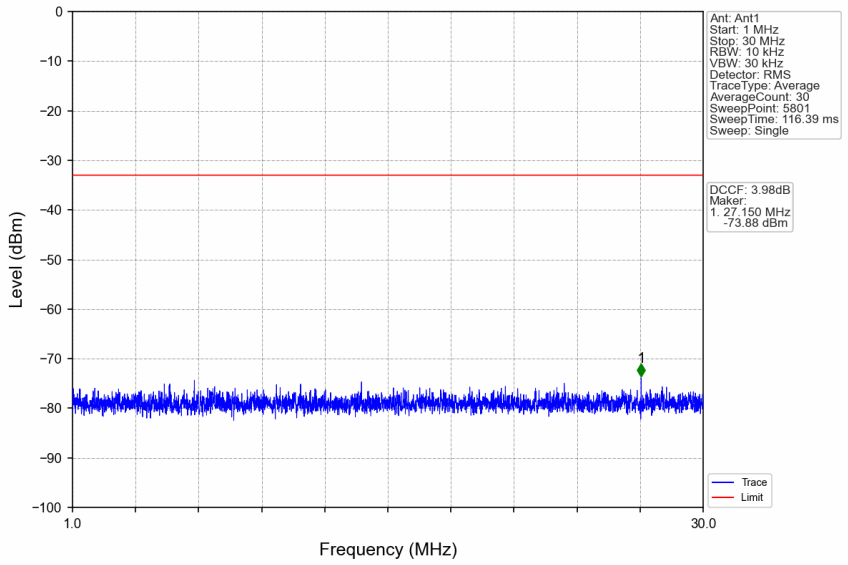

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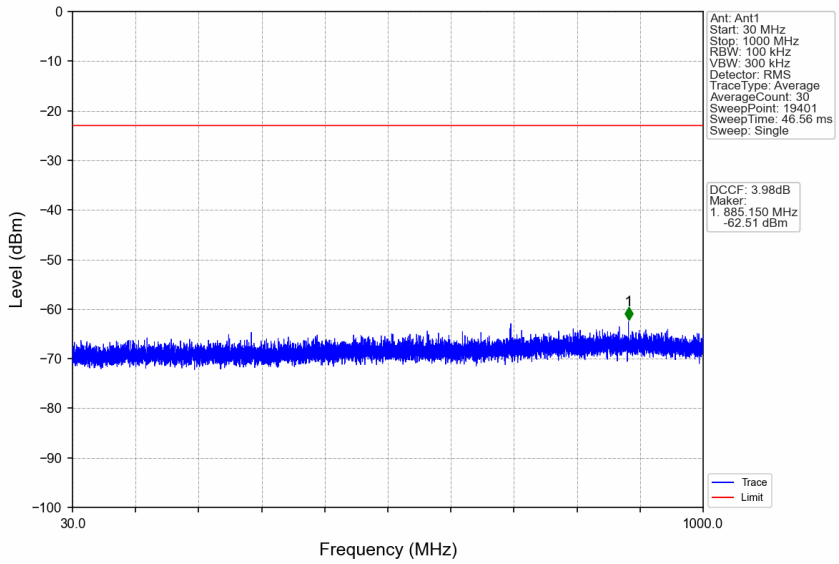

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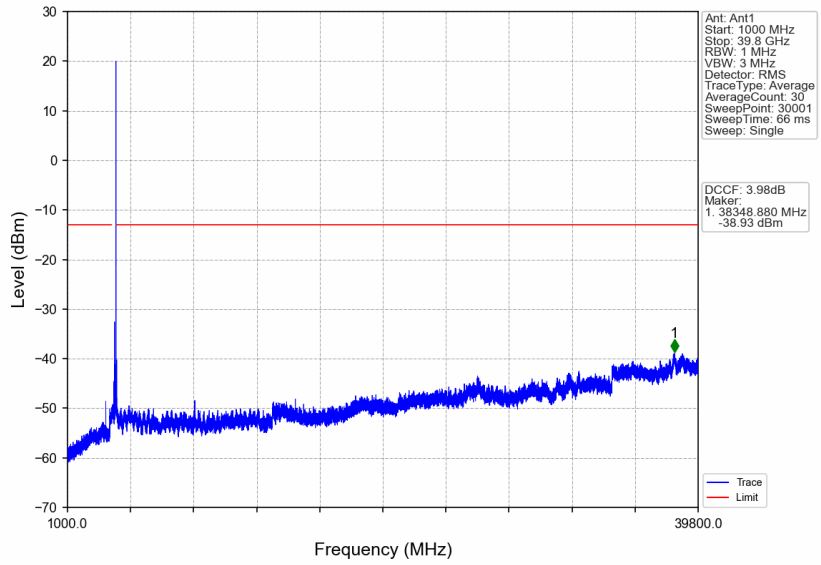

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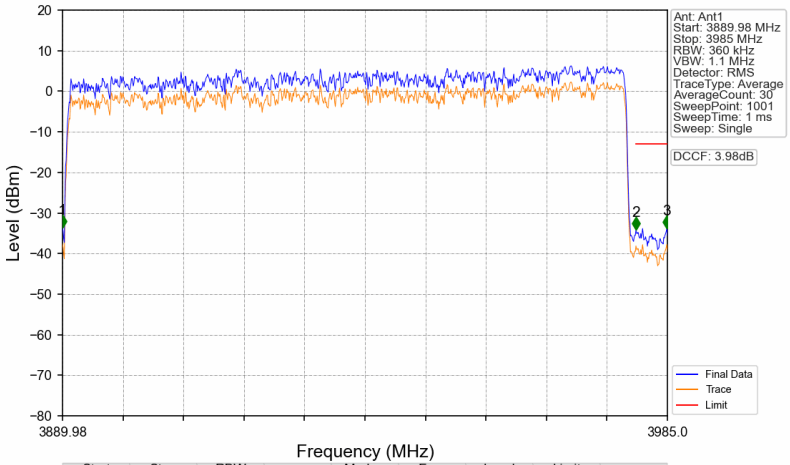
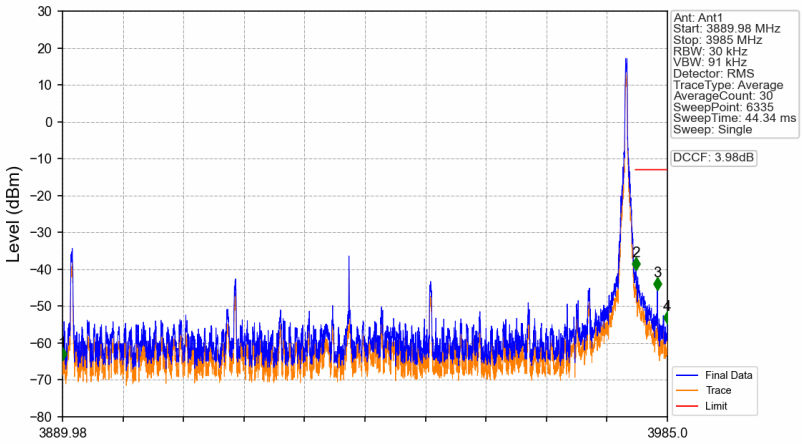


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3889.98	3979.98	0.36	/	1	3889.980	-33.60	-13	Pass
3979.98	3979.98	0.36	/	/	/	/	/	/
3979.98	3980.98	0.36	/	2	3980.059	-34.15	-13	Pass
3980.98	3984.98	0.5	/	3	3984.905	-33.80	-13	Pass

n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3934.98MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3889.98	3979.98	0.03	/	1	3889.980	-64.76	-13	Pass
3979.98	3979.98	0.03	/	/	/	/	/	/
3979.98	3980.98	0.03	/	2	3980.049	-40.29	-13	Pass
3980.98	3984.98	0.5	/	3	3983.425	-45.64	-13	Pass
3984.98	3984.98	1	/	4	3984.985	-54.85	-13	Pass

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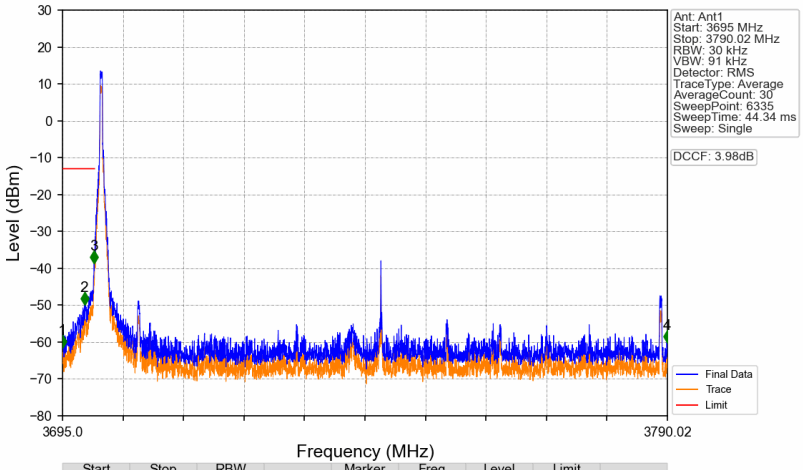
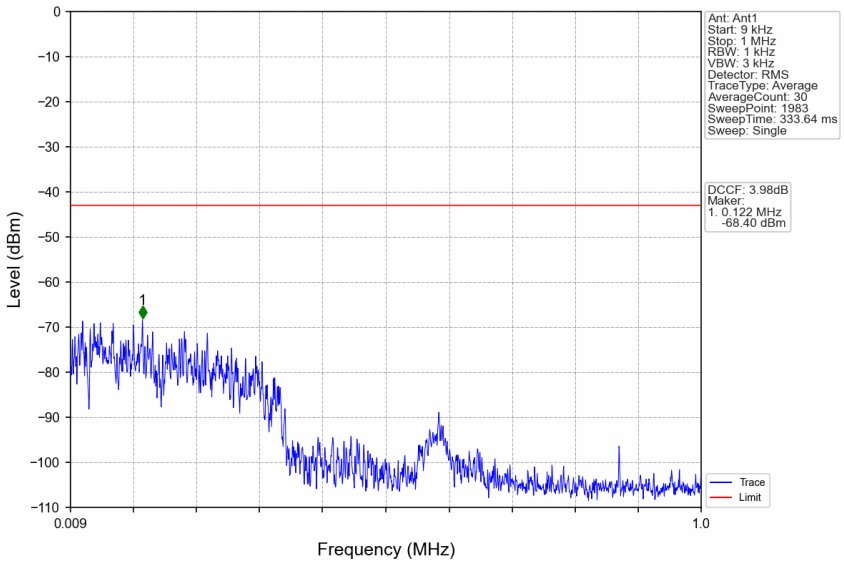
n77a_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3745.02MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	/	1	3695.000	-61.61	-13	Pass
3695.02	3699.02	0.5	/	2	3698.435	-49.90	-13	Pass
3699.02	3700.02	0.03	/	3	3699.966	-38.71	-13	Pass
3700.02	3790.02	0.03	/	4	3790.020	-60.27	-13	Pass

n77a_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3745.02MHz_Edge_1RB_Left



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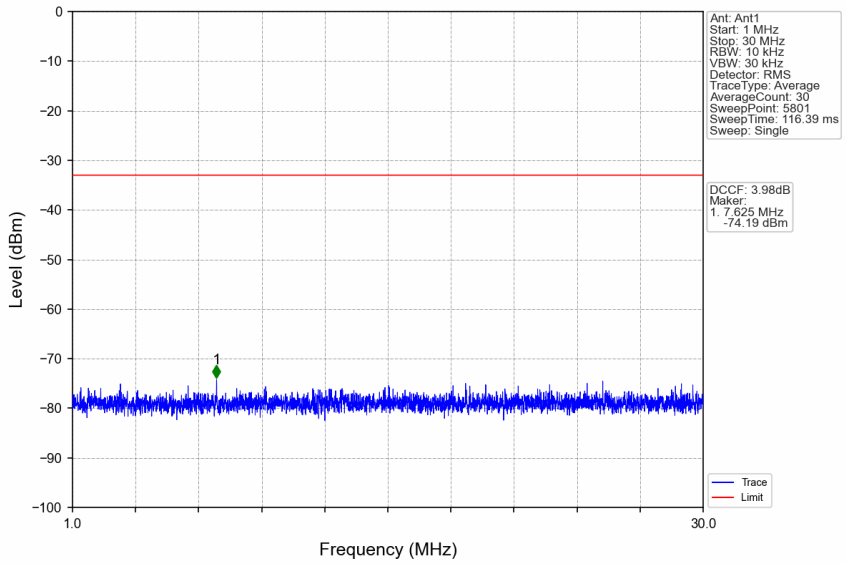
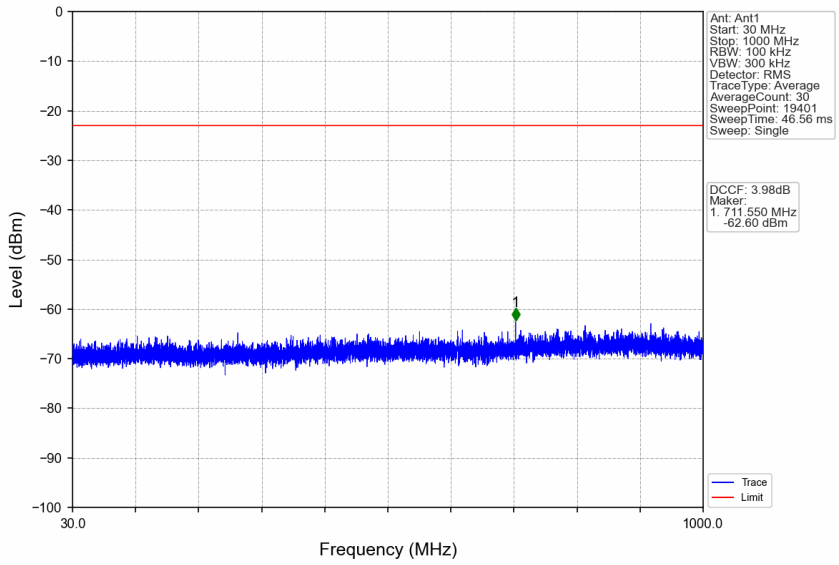


n77a_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3745.02MHz_Edge_1RB_Left



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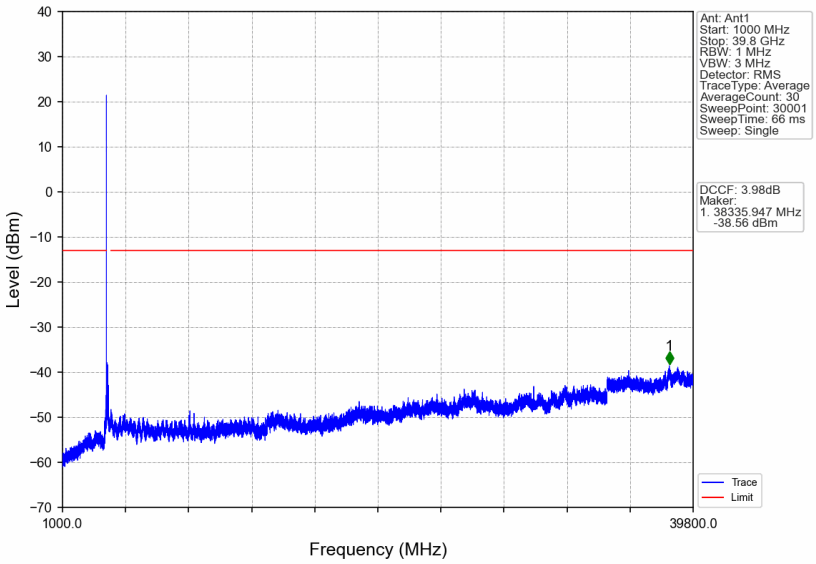
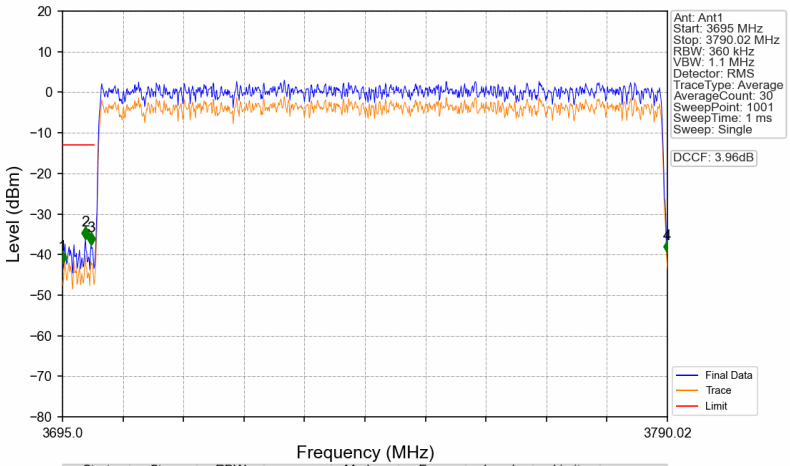
n77a_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3745.02MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3745.02MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	/	1	3695.000	-42.32	-13	Pass
3695.02	3699.02	0.5	/	2	3698.611	-36.31	-13	Pass
3699.02	3700.02	0.36	/	3	3699.466	-37.74	-13	Pass
3700.02	3790.02	0.36	/	4	3790.020	-39.66	-13	Pass

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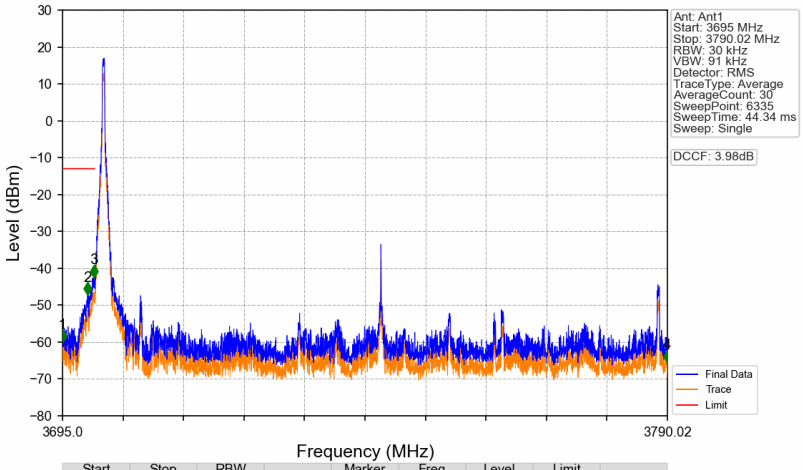
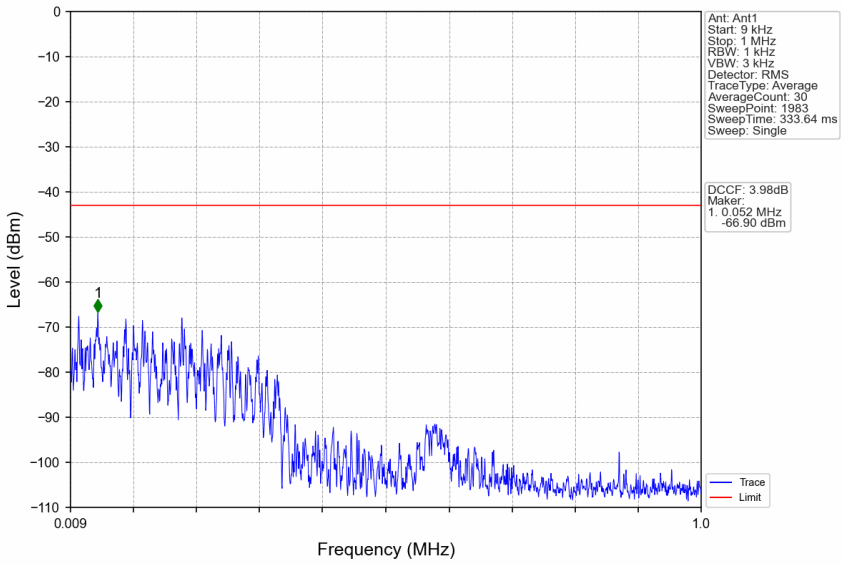
n77a_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3745.02MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	/	1	3695.000	-60.08	-13	Pass
3695.02	3699.02	0.5	/	2	3698.945	-47.28	-13	Pass
3699.02	3700.02	0.03	/	3	3699.936	-42.46	-13	Pass
3700.02	3790.02	0.03	/	4	3790.020	-65.58	-13	Pass

n77a_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3840MHz_Edge_1RB_Left



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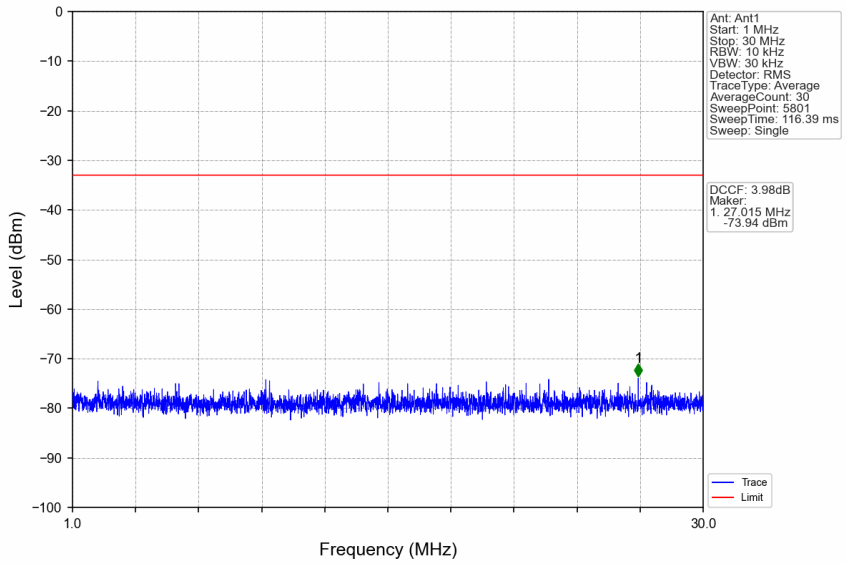
n77a_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3840MHz_Edge_1RB_Left



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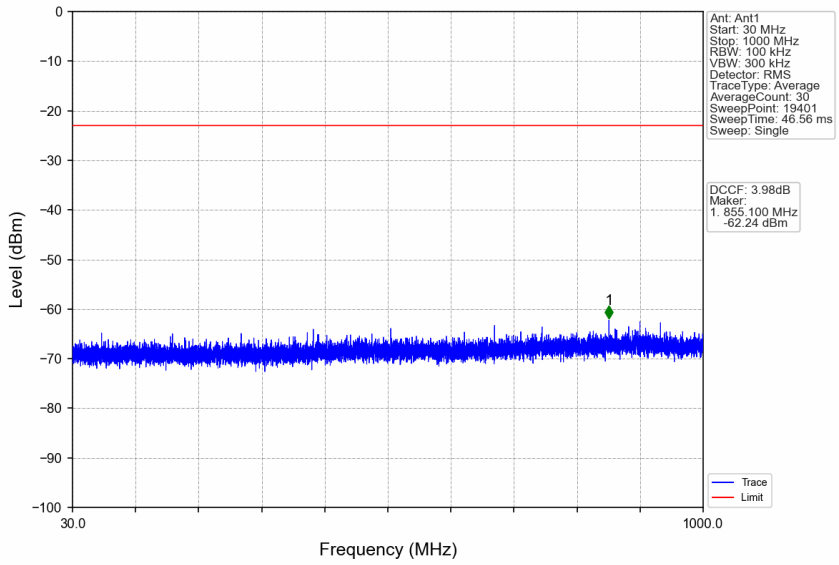

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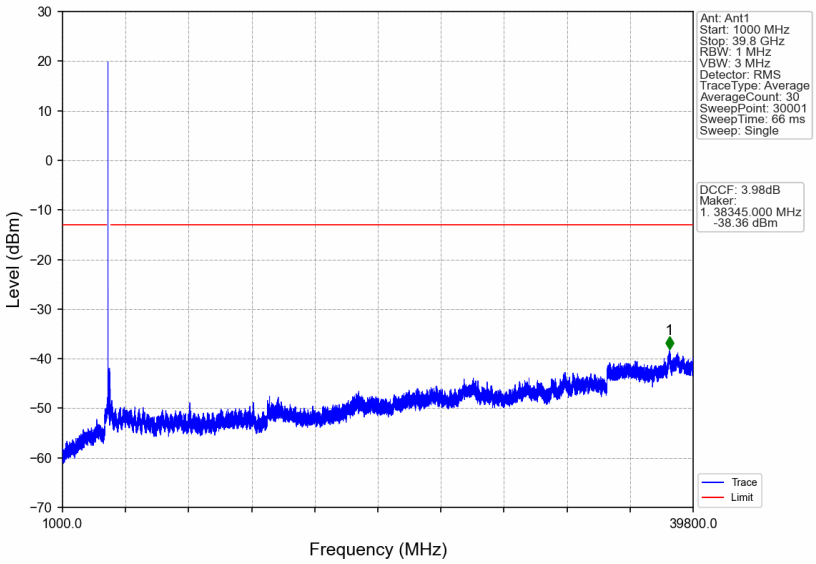
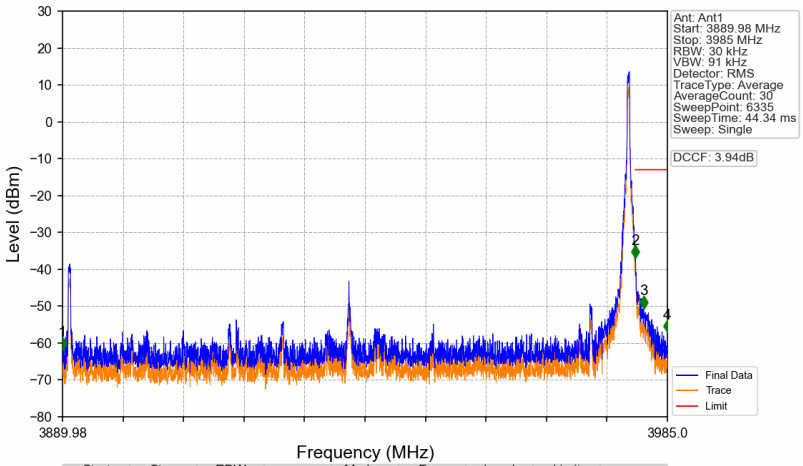


n77a_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3934.98MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3889.98	3979.98	0.03	/	1	3889.980	-61.89	-13	Pass
3979.98	3979.98	0.03	/	/	/	/	/	/
3979.98	3980.98	0.03	/	2	3979.989	-36.98	-13	Pass
3980.98	3984.98	0.5	/	3	3981.265	-50.61	-13	Pass
3984.98	3984.98	1	/	4	3985.000	-57.12	-13	Pass

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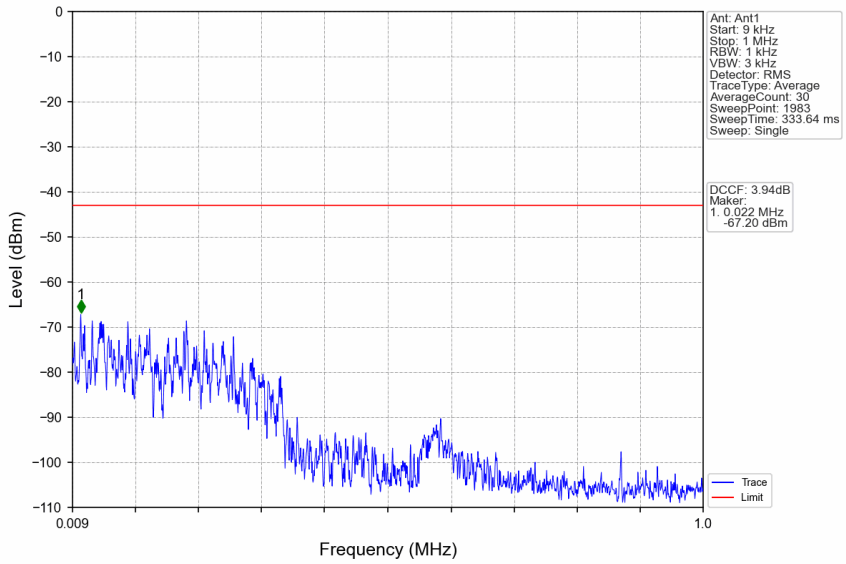
n77a_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3934.98MHz_Edge_1RB_Right



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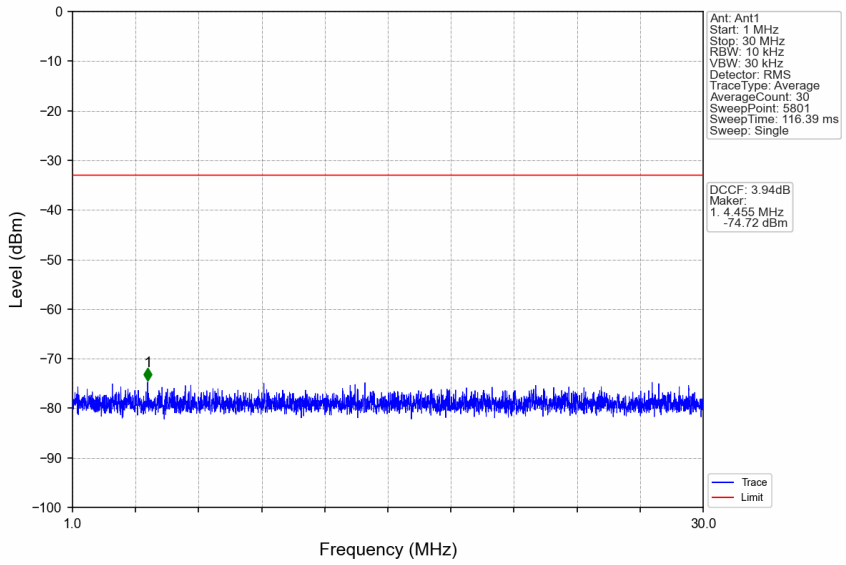

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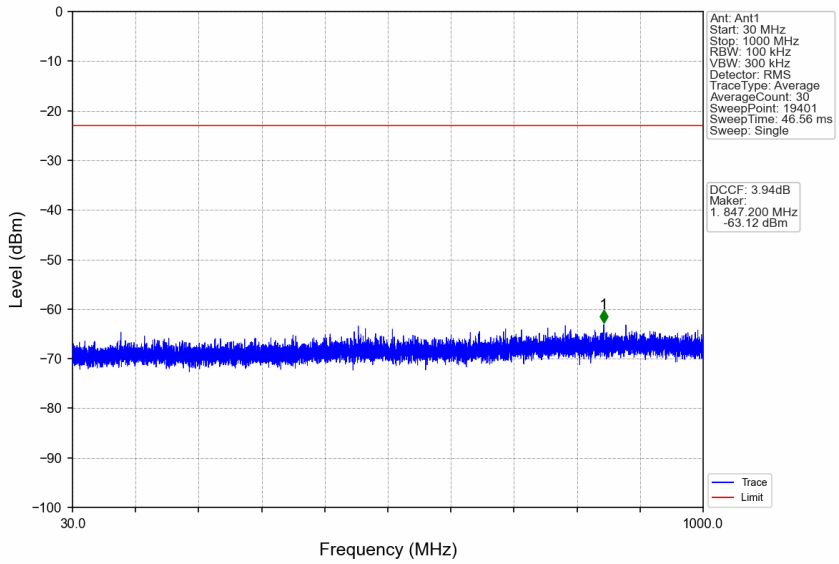

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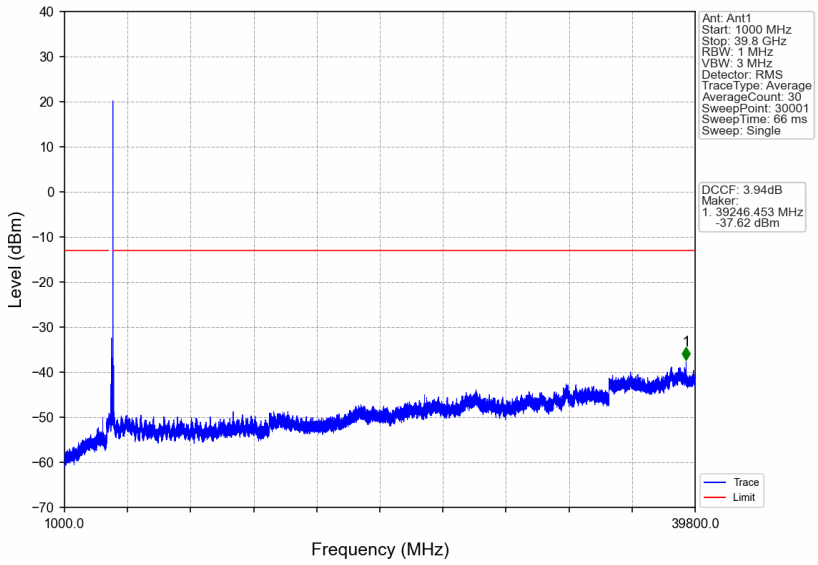

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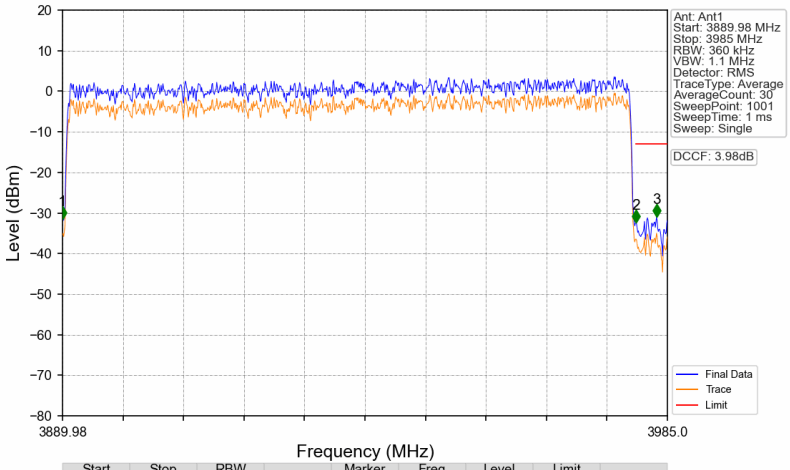
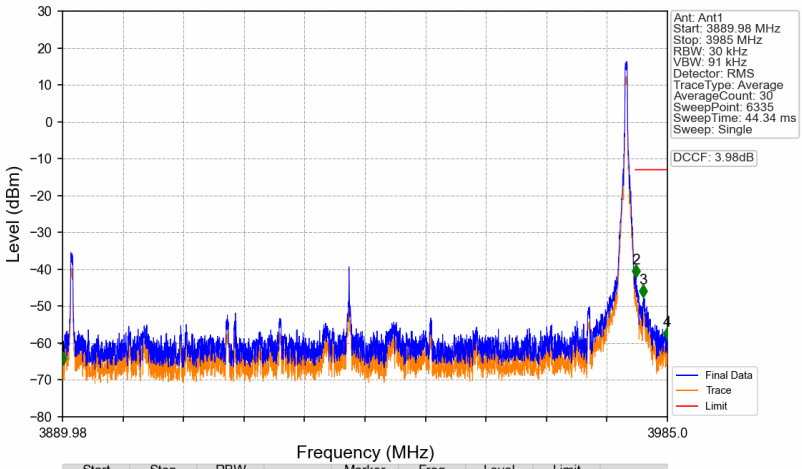
n77a_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3934.98MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3889.98	3979.98	0.36	/	1	3889.980	-31.50	-13	Pass
3979.98	3979.98	0.36	/	/	/	/	/	/
3979.98	3980.98	0.36	/	2	3980.059	-32.42	-13	Pass
3980.98	3984.98	0.5	/	3	3983.290	-31.02	-13	Pass

n77a_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3934.98MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3889.98	3979.98	0.03	/	1	3889.980	-65.92	-13	Pass
3979.98	3979.98	0.03	/	/	/	/	/	/
3979.98	3980.98	0.03	/	2	3980.064	-42.24	-13	Pass
3980.98	3984.98	0.5	/	3	3981.235	-47.67	-13	Pass
3984.98	3984.98	1	/	4	3984.985	-59.07	-13	Pass

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6.19 30k_SISO_100MHz_NTNV

6.19.1 Test Result

5G NR n77a SCS=30kHz SISO 100MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	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
	3930	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	3750	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
	3930	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	3750	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
	3930	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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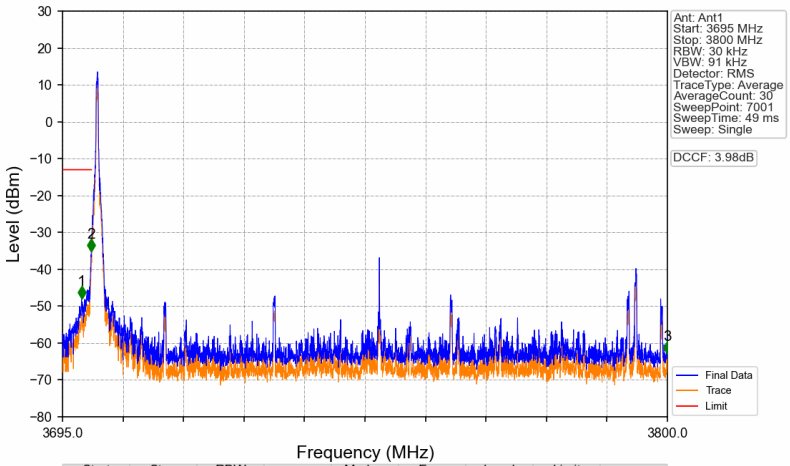
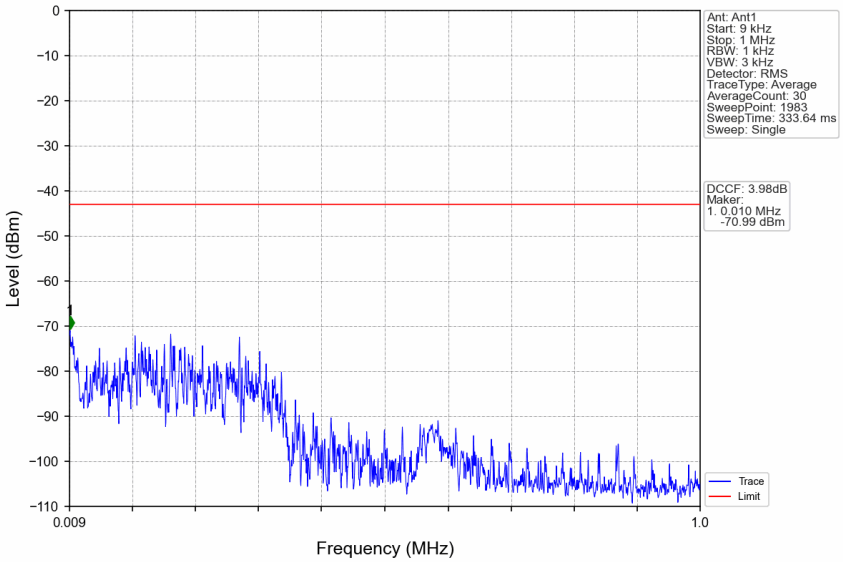
6.19.2 Test Graph

n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3750MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.300	-47.98	-13	Pass
3699	3700	0.03	/	2	3699.995	-35.19	-13	Pass
3700	3800	0.03	/	3	3800.000	-62.92	-13	Pass

n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3750MHz_Edge_1RB_Left



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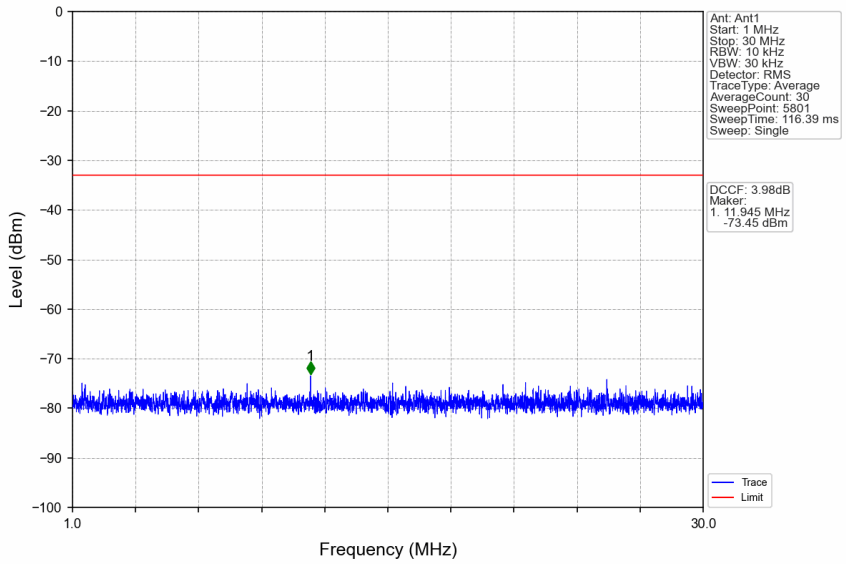
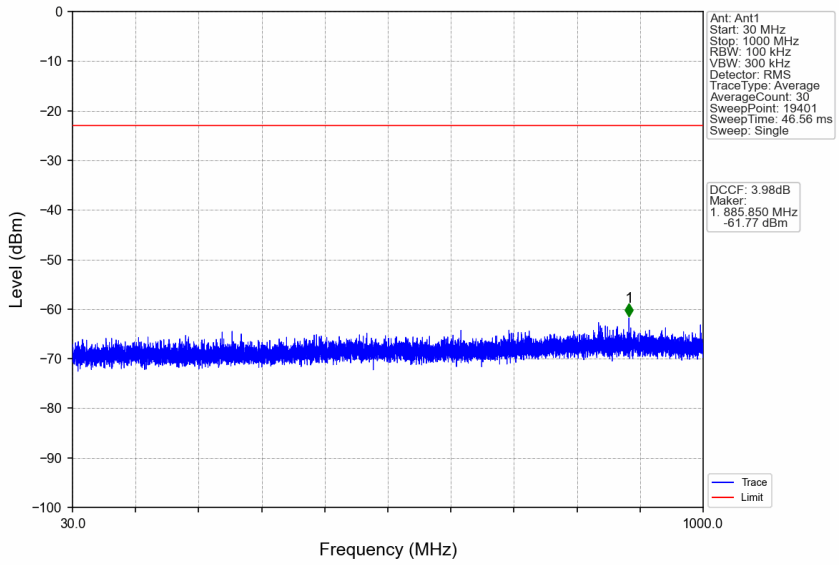
n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3750MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3750MHz_Edge_1RB_Left



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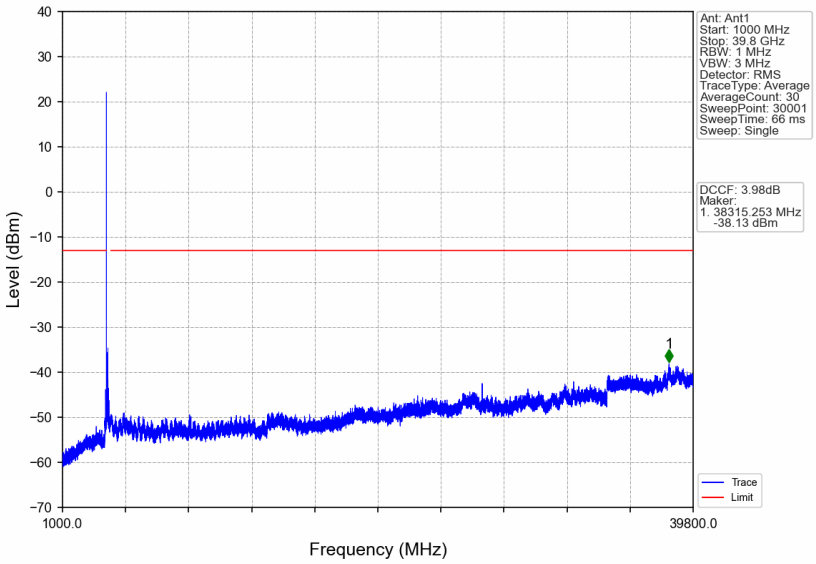
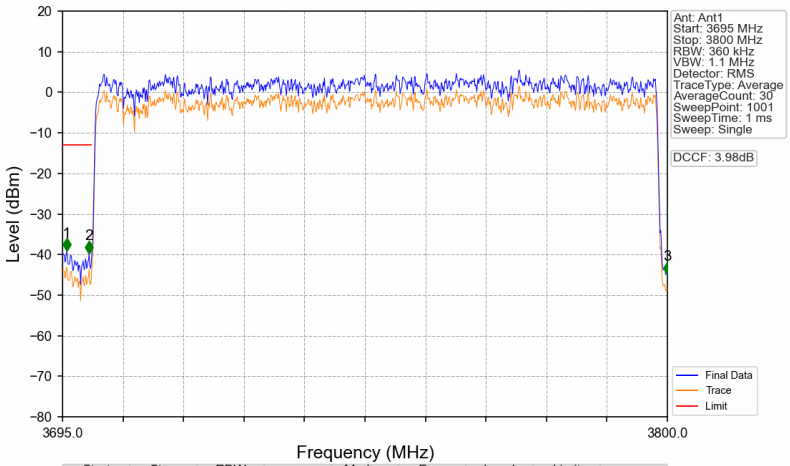


n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3750MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3695.735	-39.14	-13	Pass
3699	3700	0.36	/	2	3699.620	-39.72	-13	Pass
3700	3800	0.36	/	3	3800.000	-44.84	-13	Pass

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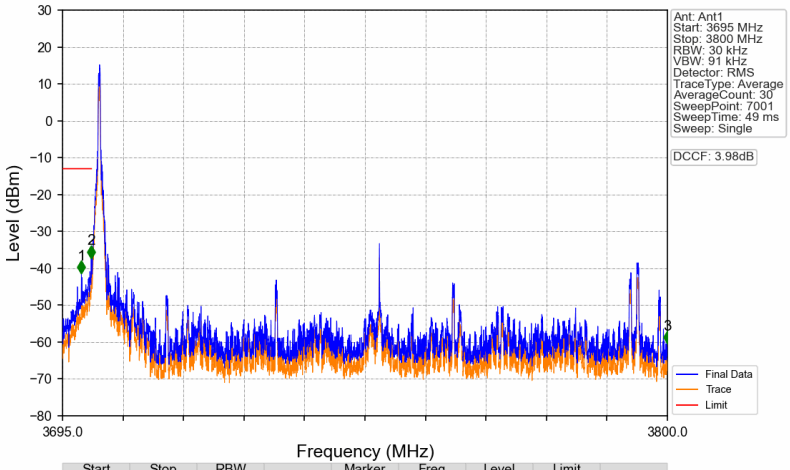
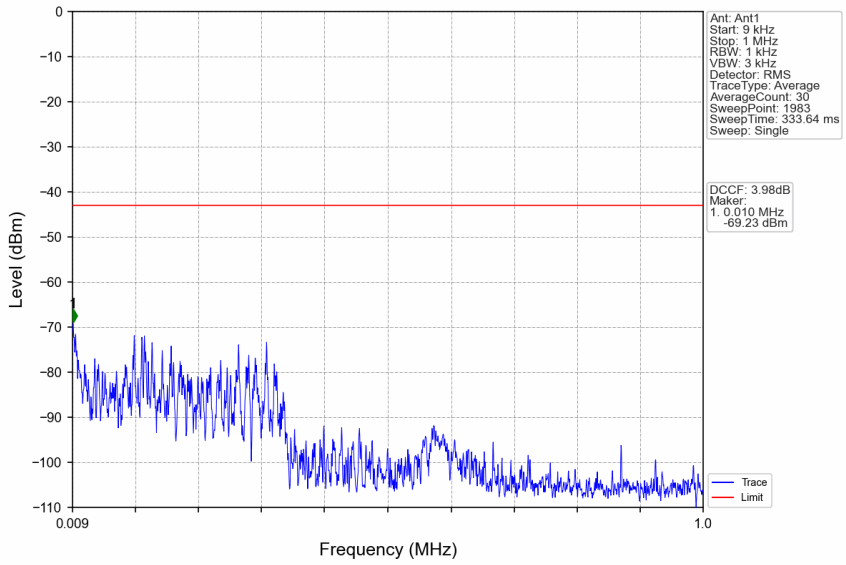


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.285	-41.33	-13	Pass
3699	3700	0.03	/	2	3699.980	-37.25	-13	Pass
3700	3800	0.03	/	3	3800.000	-60.47	-13	Pass

n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left



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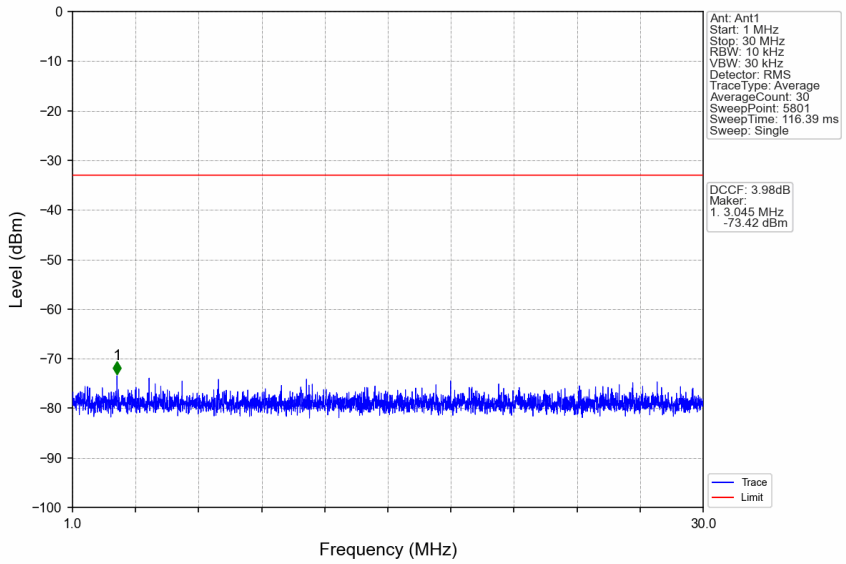

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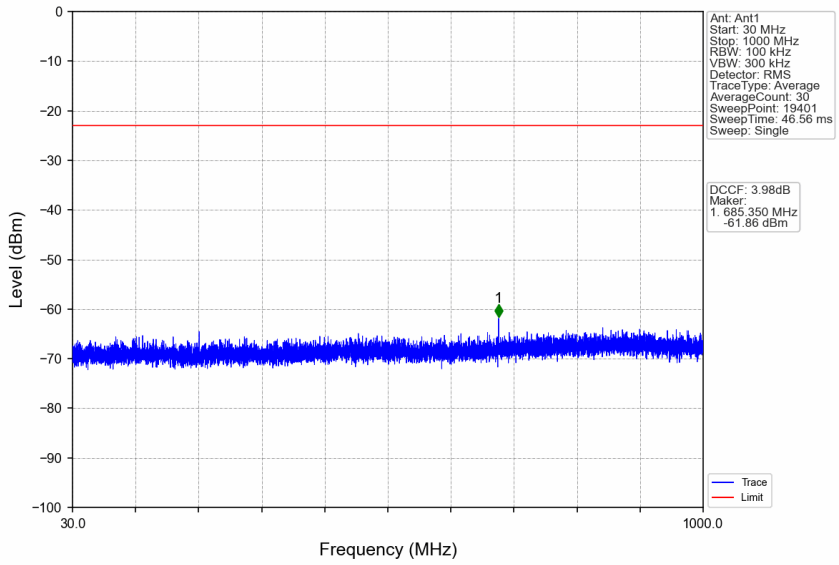

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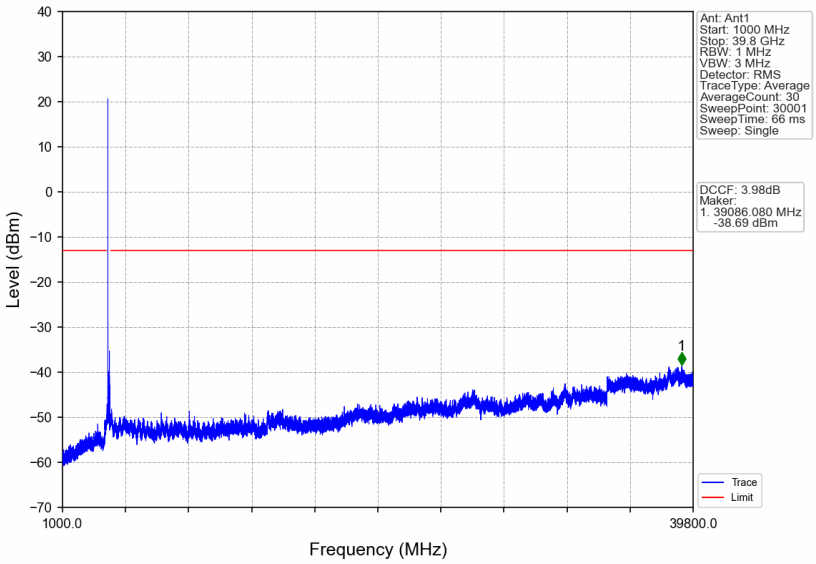
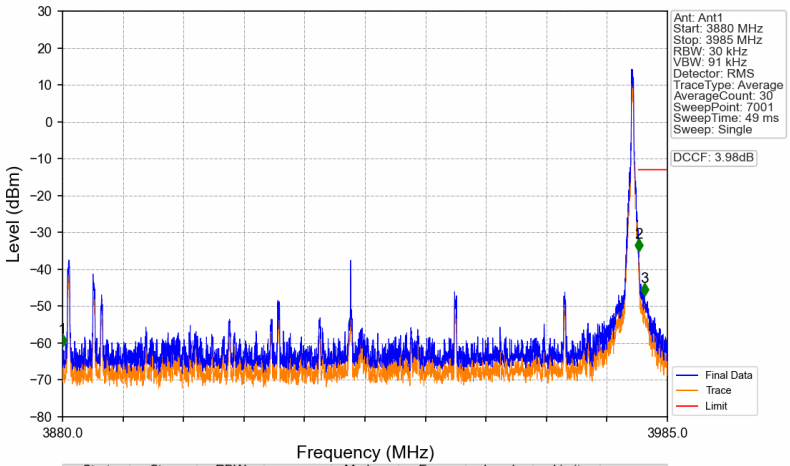


n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3930MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.03	/	1	3880.000	-61.03	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.005	-35.27	-13	Pass
3981	3985	0.5	/	3	3981.010	-47.26	-13	Pass

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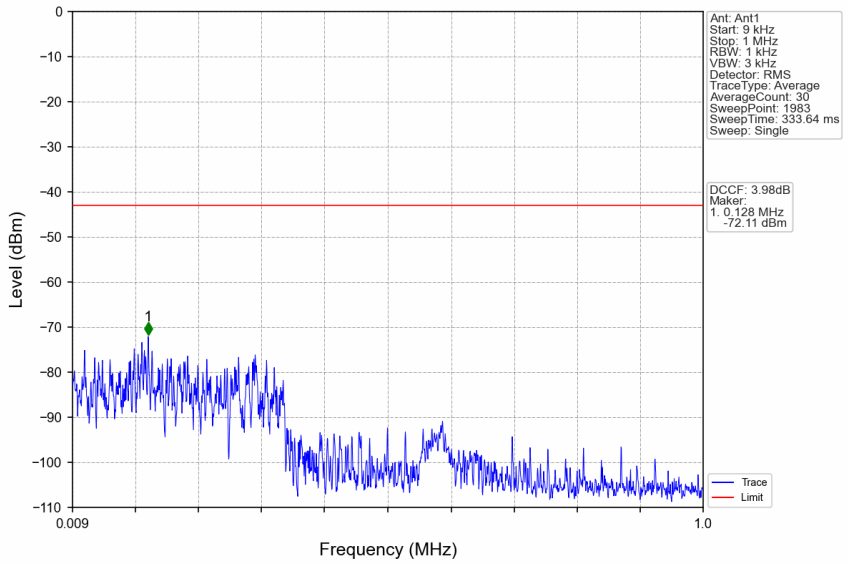

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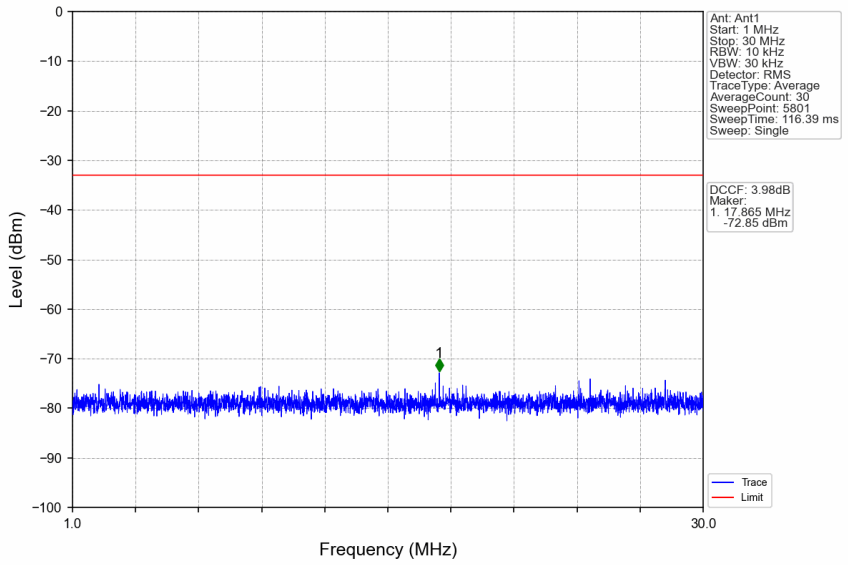

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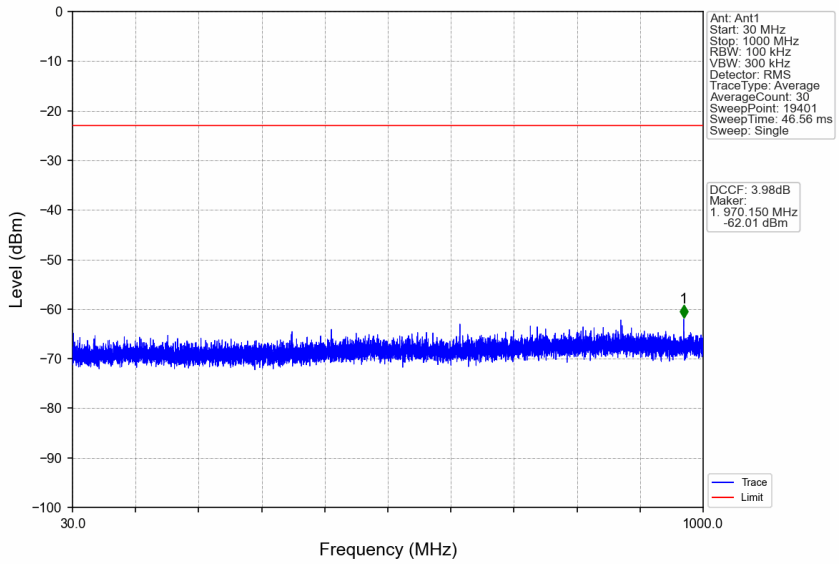
n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3930MHz_Edge_1RB_Right



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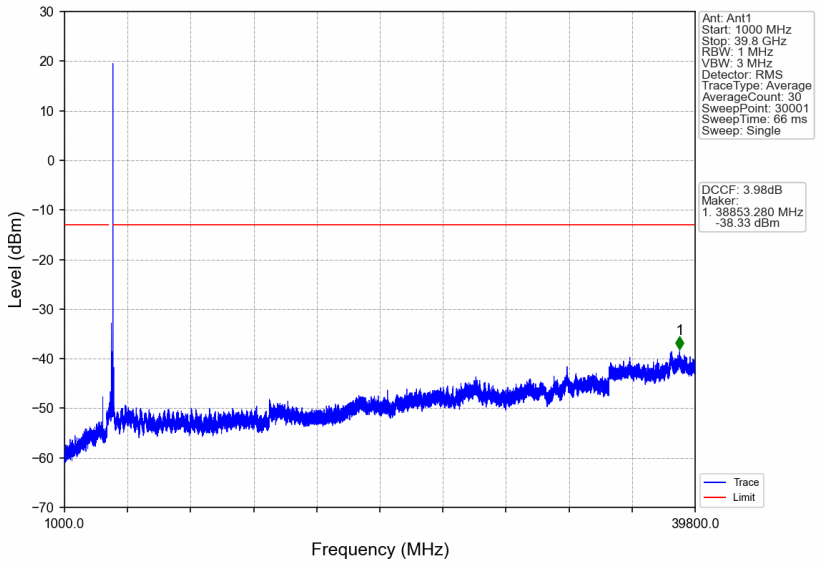

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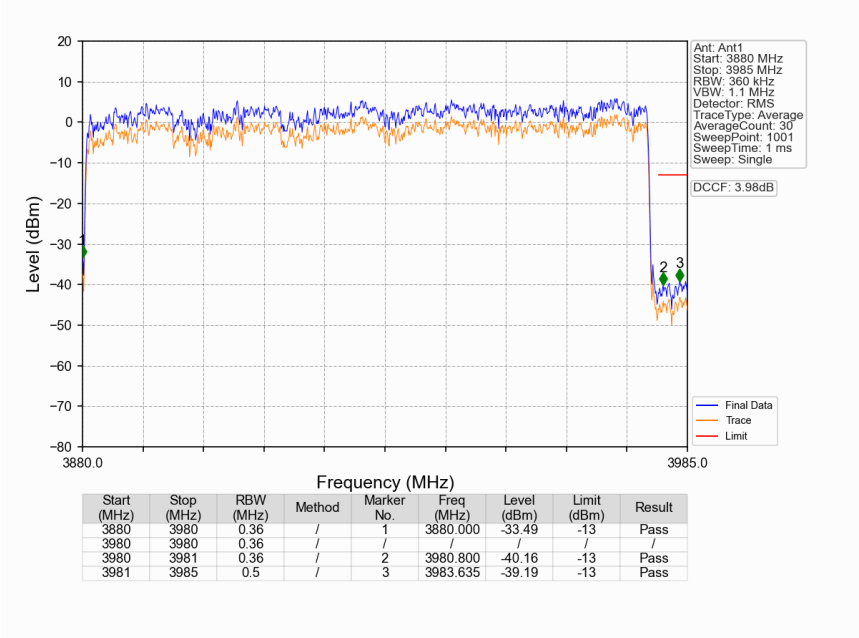
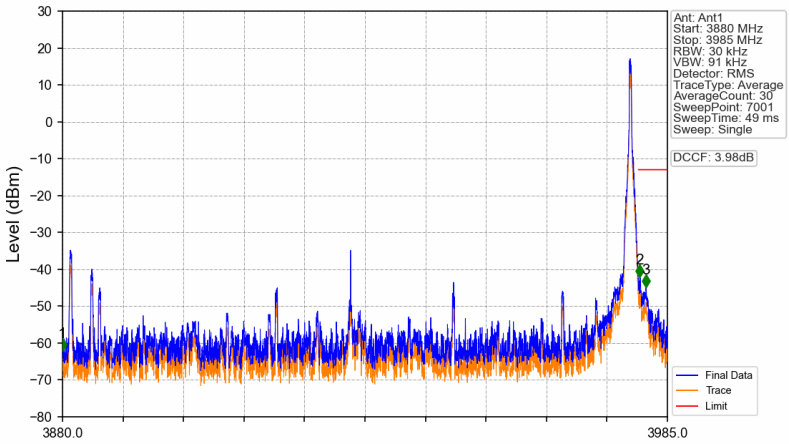
n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3930MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.36	/	1	3880.000	-33.49	-13	Pass
3980	3980	0.36	/	/	/	/	/	/
3980	3981	0.36	/	2	3980.800	-40.16	-13	Pass
3981	3985	0.5	/	3	3983.635	-39.19	-13	Pass

n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3930MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.03	/	1	3880.000	-62.10	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.200	-42.14	-13	Pass
3981	3985	0.5	/	3	3981.280	-44.93	-13	Pass

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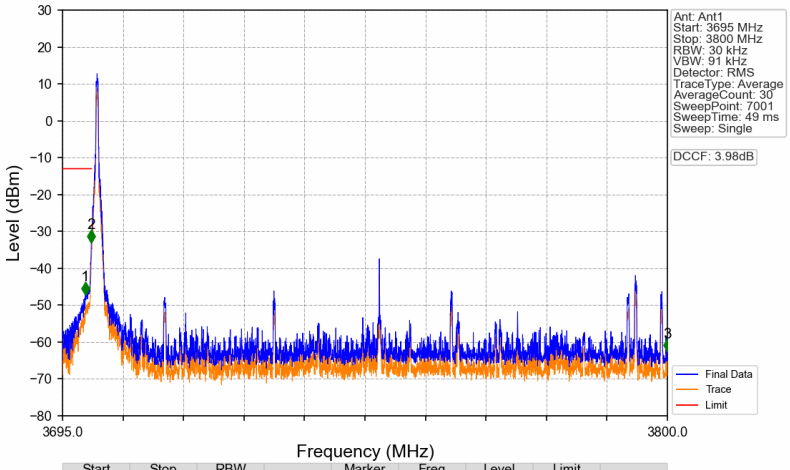
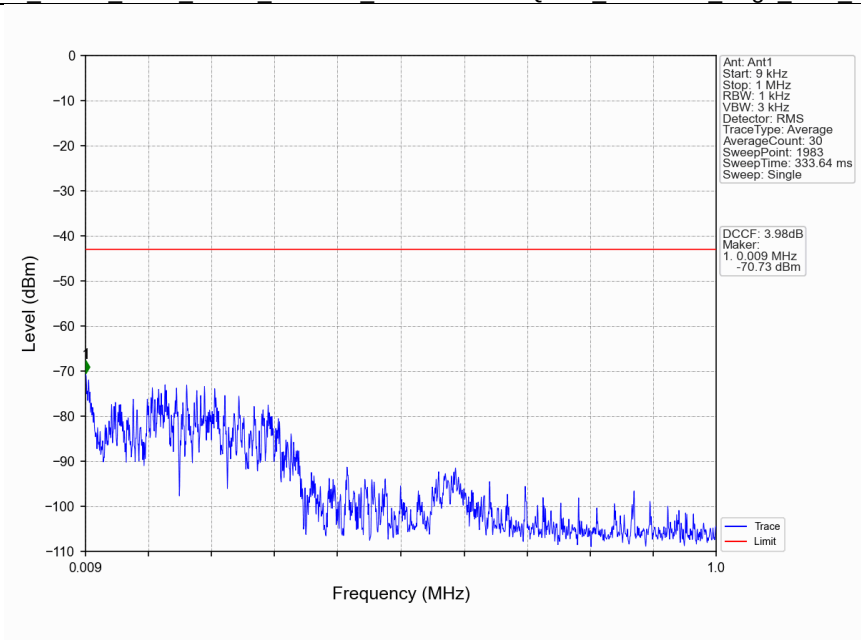
n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3750MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.945	-47.15	-13	Pass
3699	3700	0.03	/	2	3699.995	-32.98	-13	Pass
3700	3800	0.03	/	3	3800.000	-62.57	-13	Pass

n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3750MHz_Edge_1RB_Left



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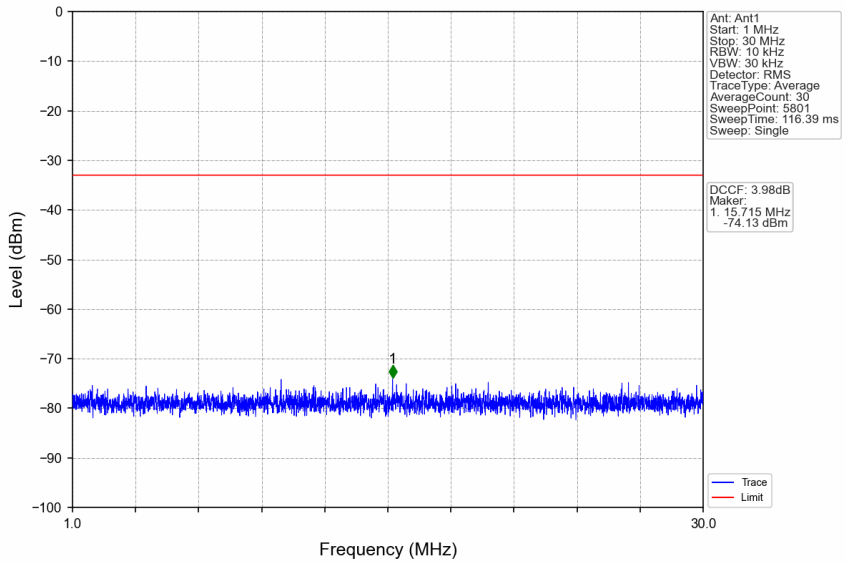
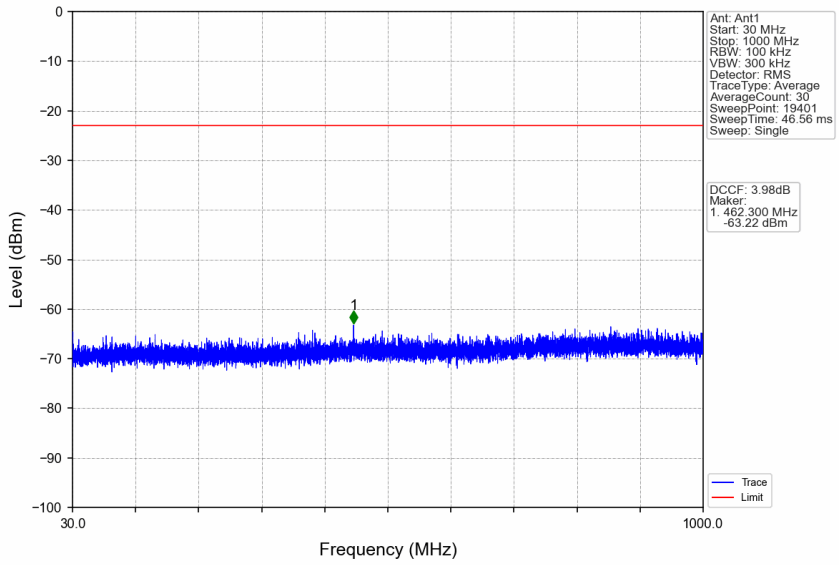
n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3750MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3750MHz_Edge_1RB_Left



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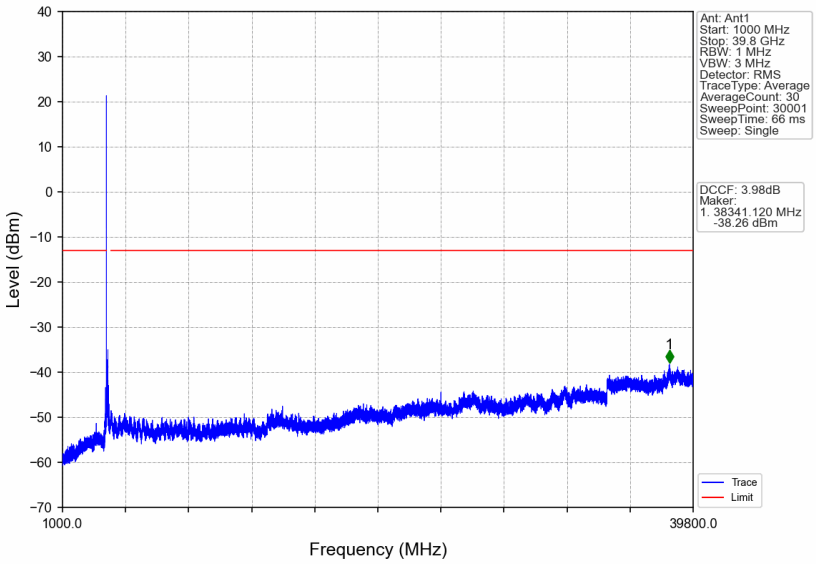
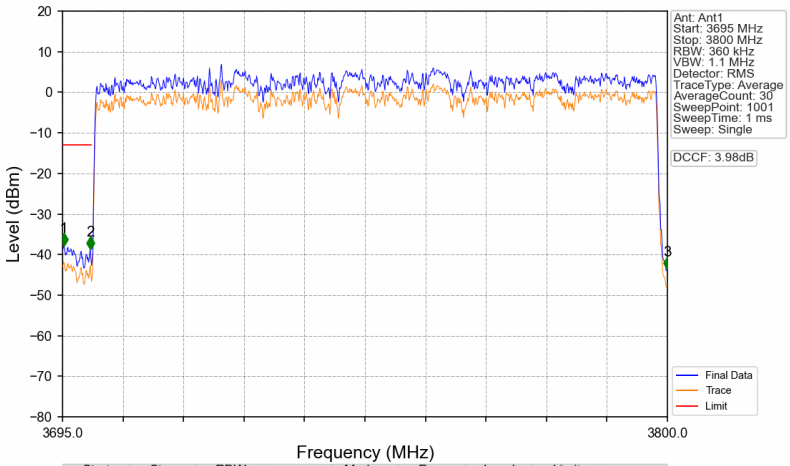
n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3750MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3750MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3695.210	-37.86	-13	Pass
3699	3700	0.36	/	2	3699.830	-38.73	-13	Pass
3700	3800	0.36	/	3	3800.000	-43.61	-13	Pass

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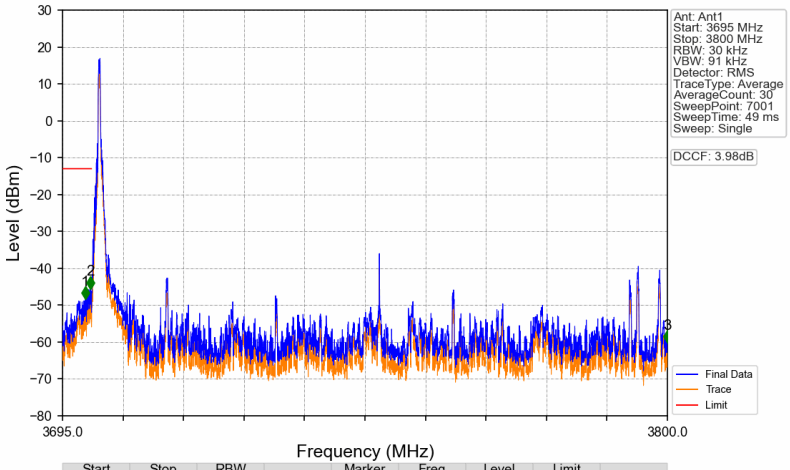
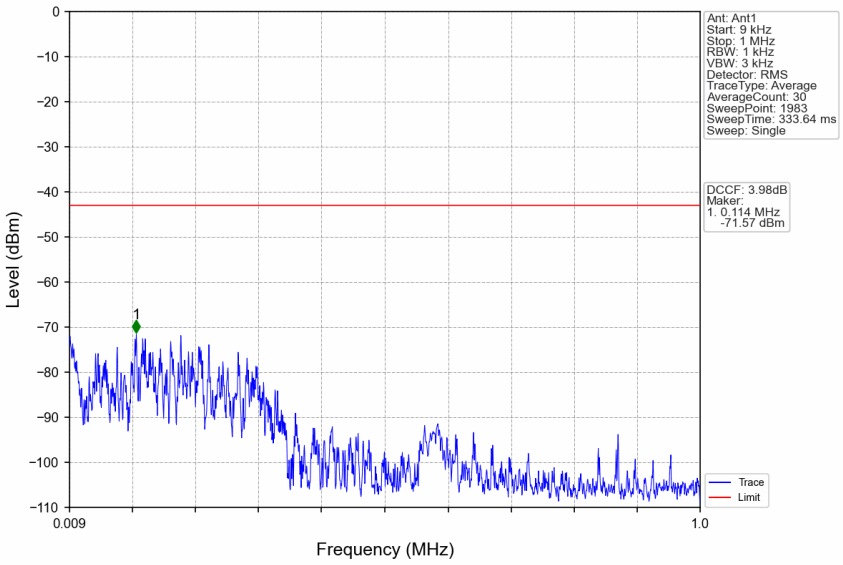


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.960	-48.39	-13	Pass
3699	3700	0.03	/	2	3699.875	-45.57	-13	Pass
3700	3800	0.03	/	3	3800.000	-60.22	-13	Pass

n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3840MHz_Edge_1RB_Left



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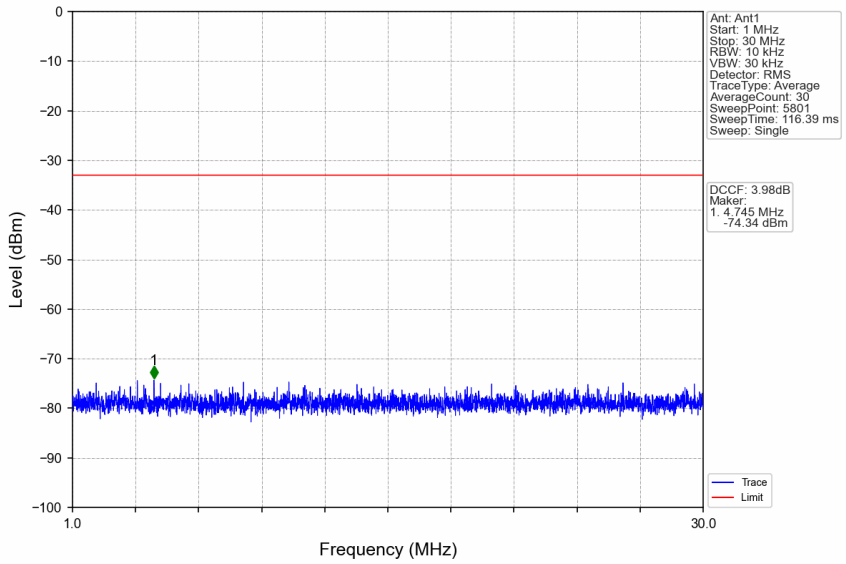
n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3840MHz_Edge_1RB_Left



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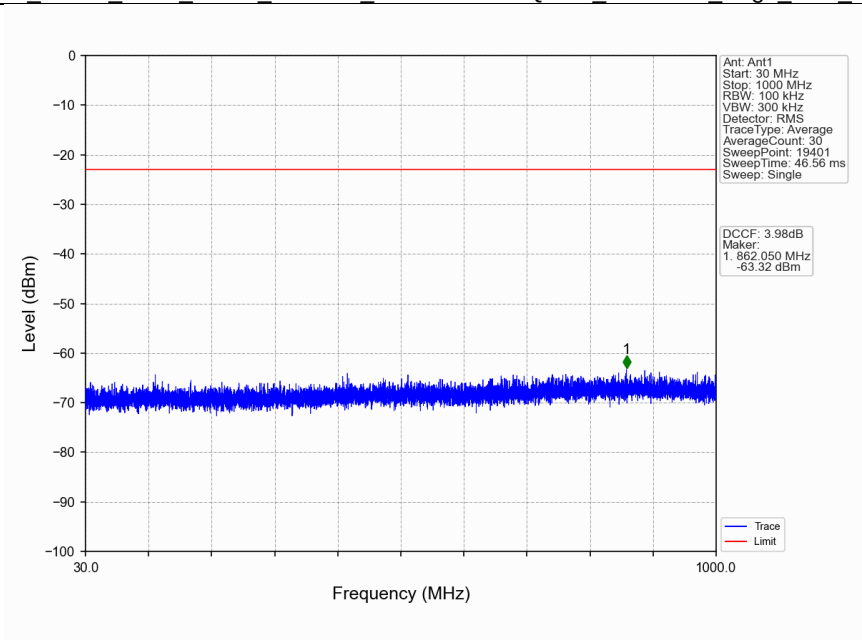

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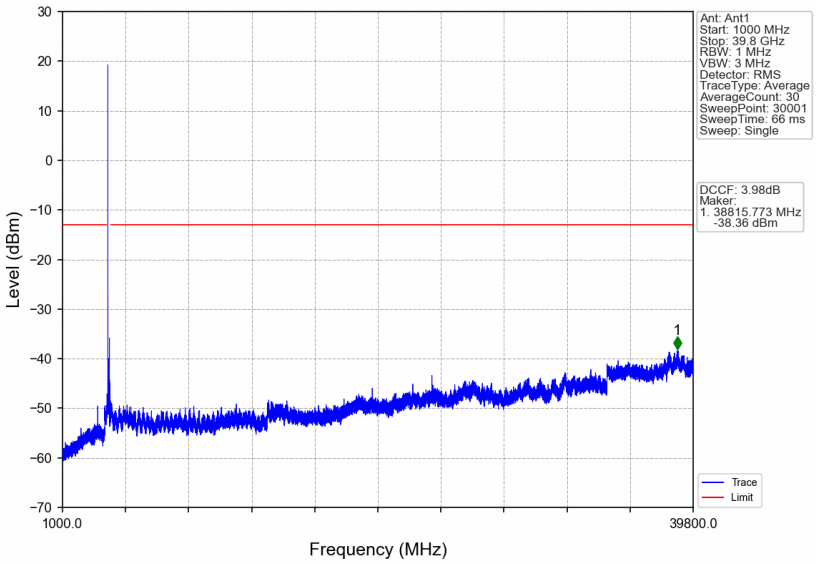
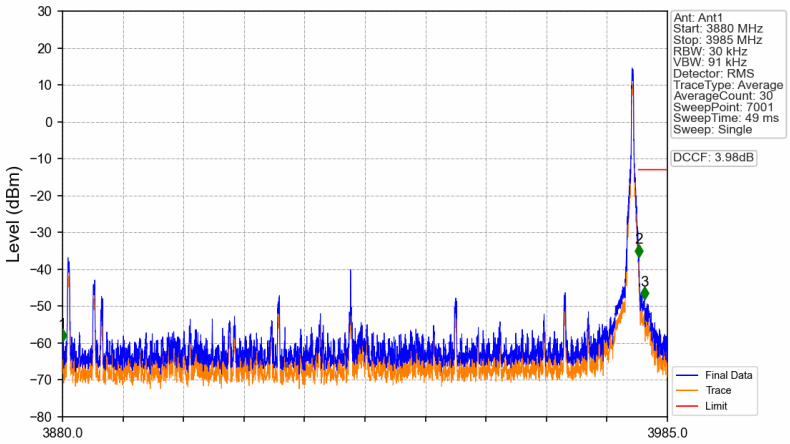


n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3930MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.03	/	1	3880.000	-59.69	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.035	-36.65	-13	Pass
3981	3985	0.5	/	3	3981.025	-48.13	-13	Pass

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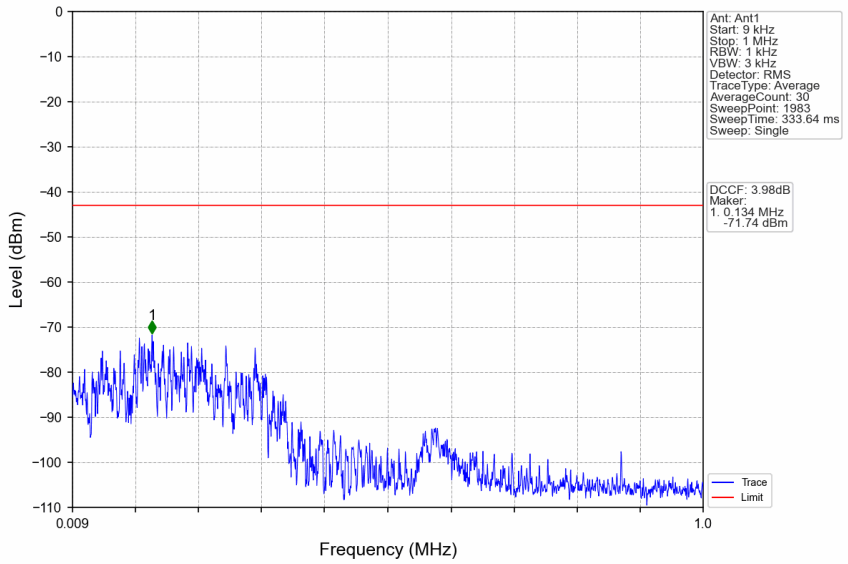
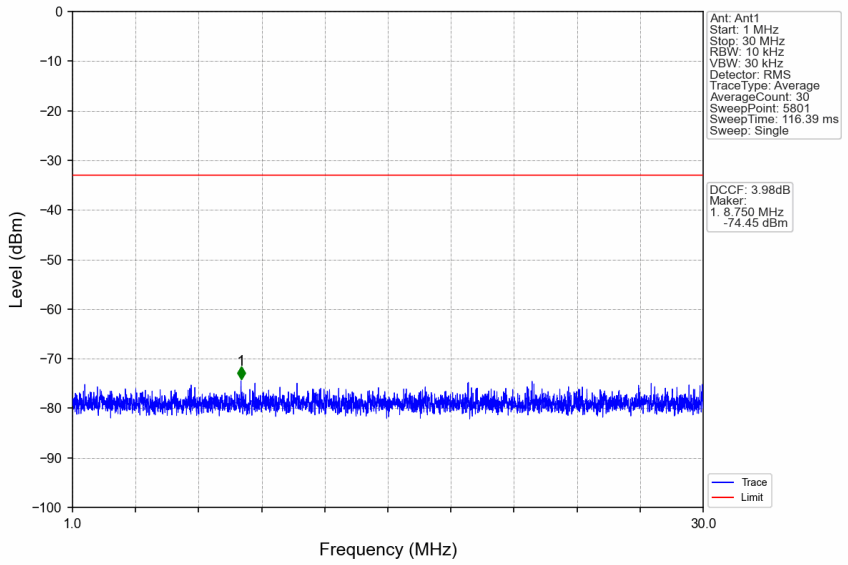
n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3930MHz_Edge_1RB_Right



n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3930MHz_Edge_1RB_Right



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