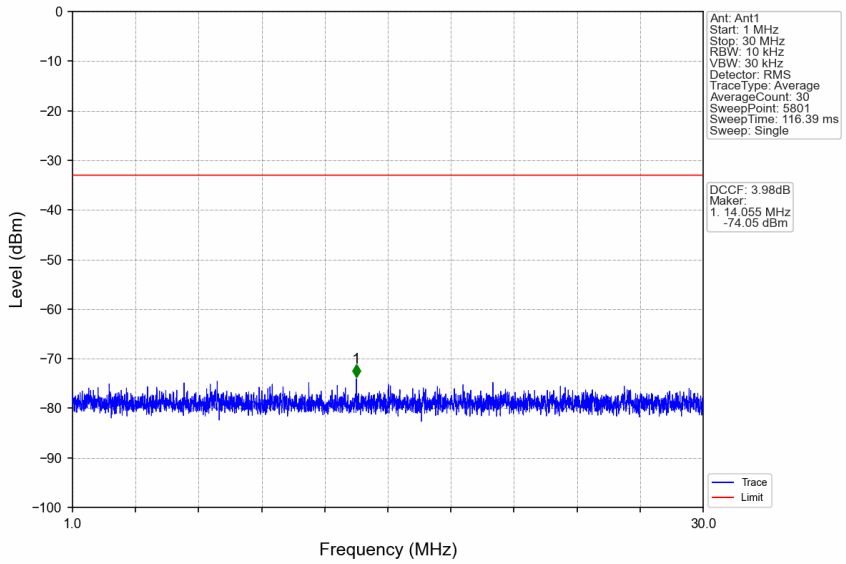
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3710.01MHz_Edge_1RB_Left



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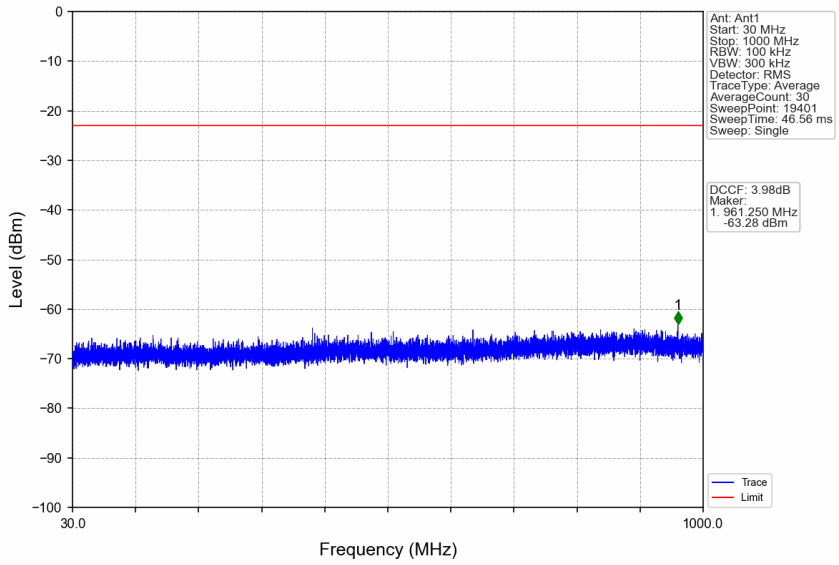

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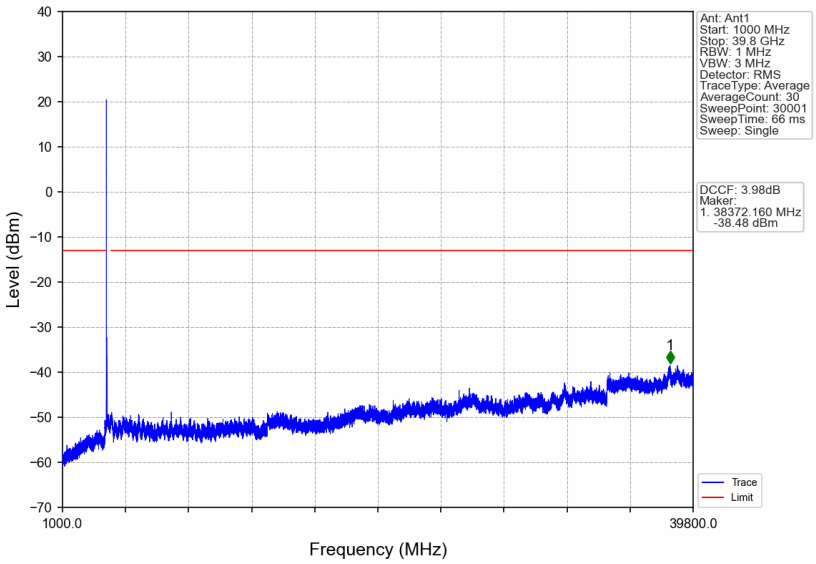
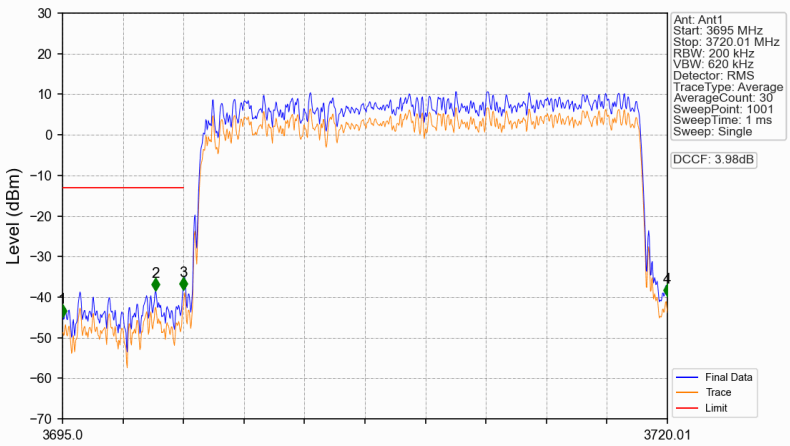


n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3710.01MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	/	1	3695.000	-44.87	-13	Pass
3695.01	3699.01	0.5	/	2	3698.852	-38.50	-13	Pass
3699.01	3700.01	0.2	/	3	3700.002	-38.20	-13	Pass
3700.01	3720.01	0.2	/	4	3720.010	-39.85	-13	Pass

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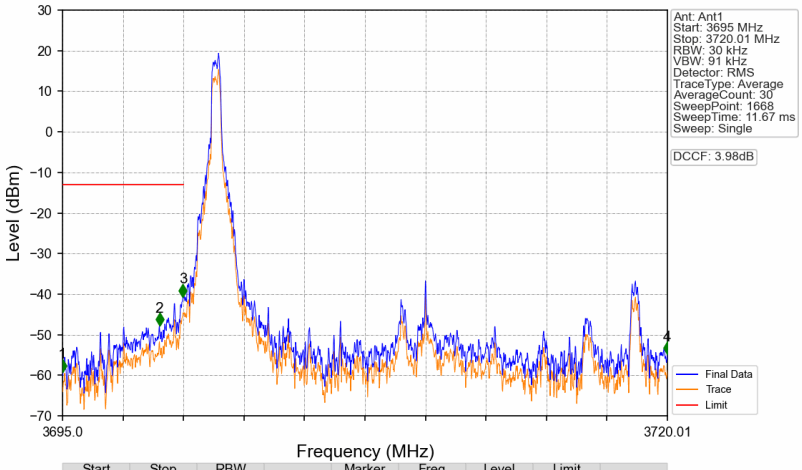
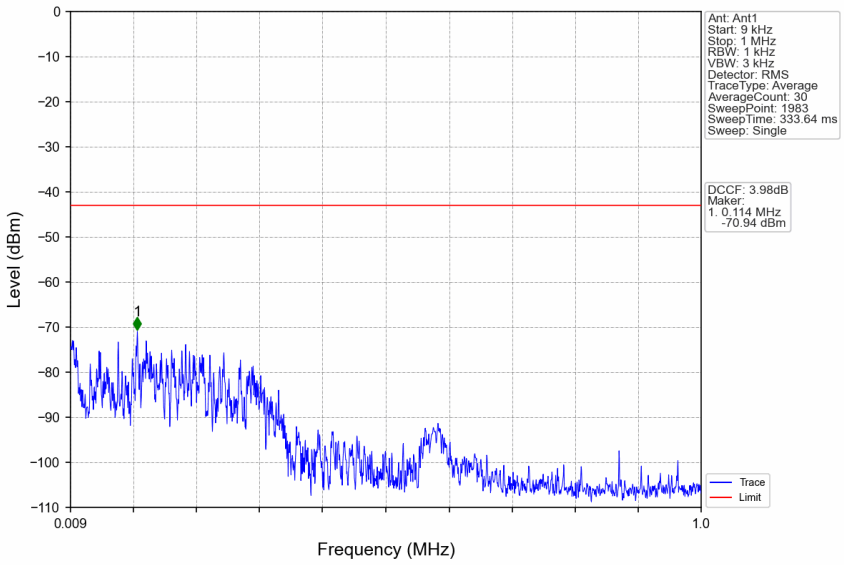
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3710.01MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	/	1	3695.000	-59.15	-13	Pass
3695.01	3699.01	0.5	/	2	3699.006	-47.80	-13	Pass
3699.01	3700.01	0.03	/	3	3699.981	-40.64	-13	Pass
3700.01	3720.01	0.03	/	4	3720.010	-54.90	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3840MHz_Edge_1RB_Left



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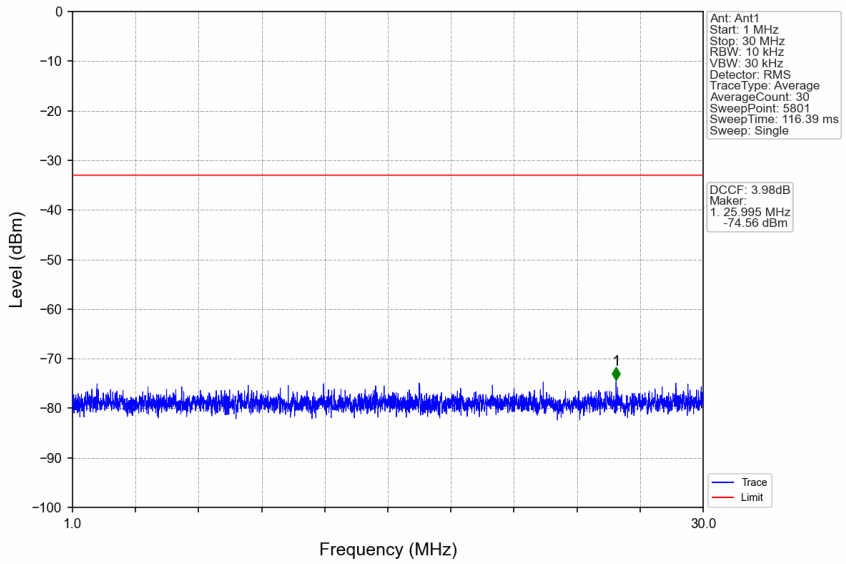
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3840MHz_Edge_1RB_Left



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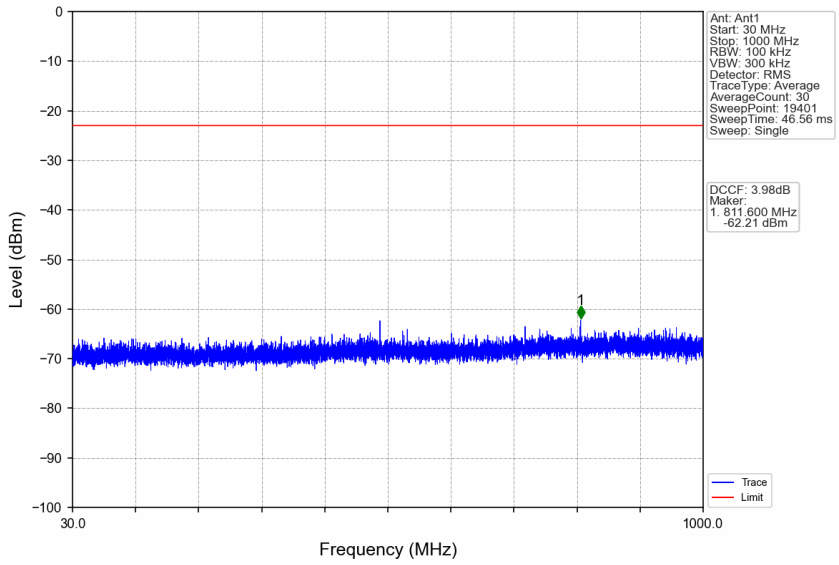

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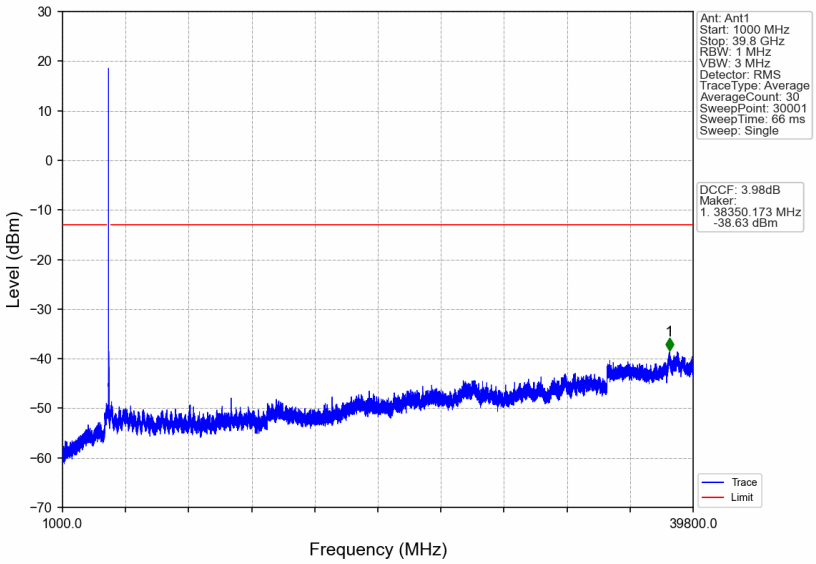
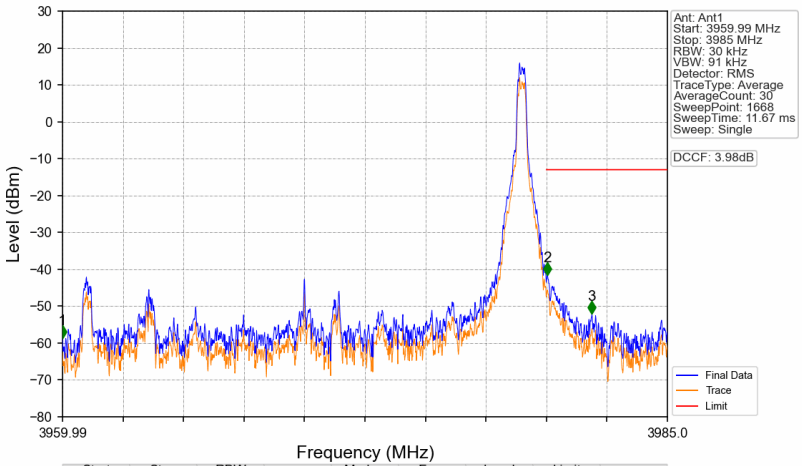


n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3969.99MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.03	/	1	3959.990	-58.63	-13	Pass
3979.99	3979.99	0.03	/	/	/	/	/	/
3979.99	3980.99	0.03	/	2	3980.034	-41.61	-13	Pass
3980.99	3984.99	0.5	/	3	3981.879	-52.11	-13	Pass

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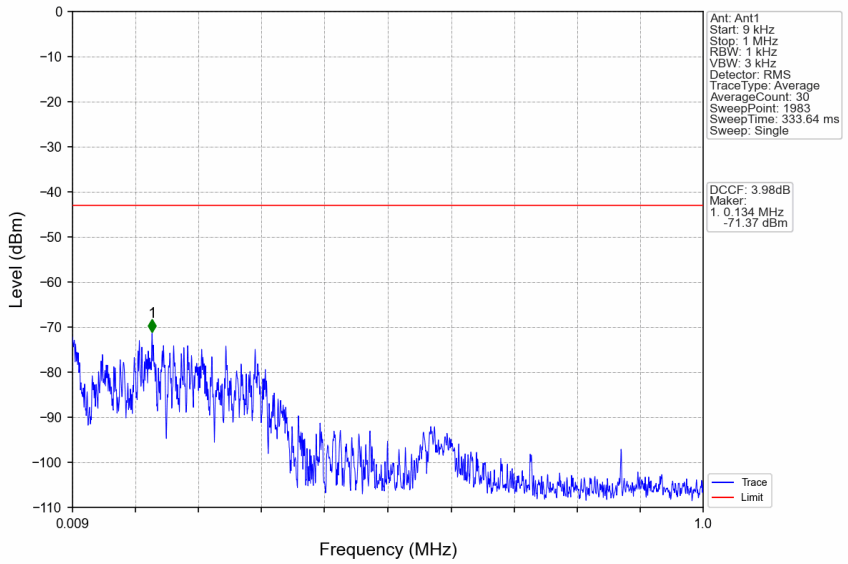
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3969.99MHz_Edge_1RB_Right



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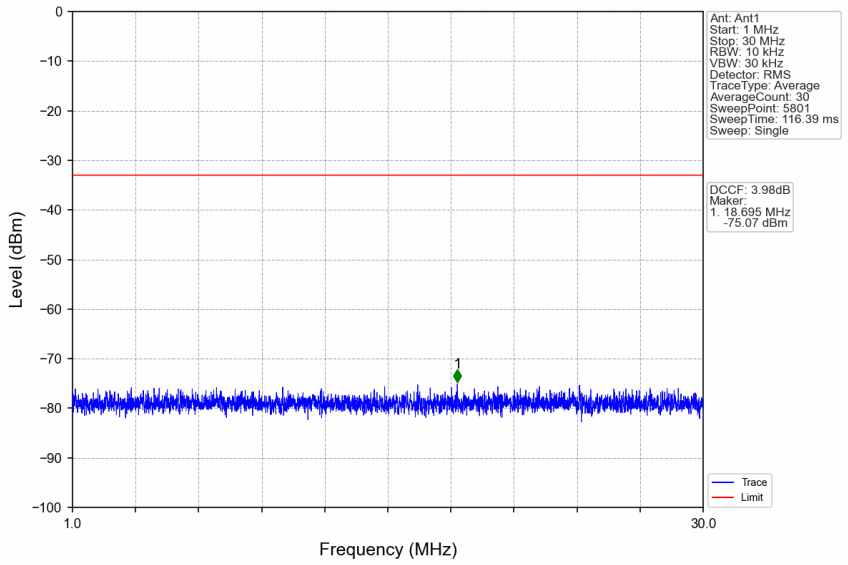

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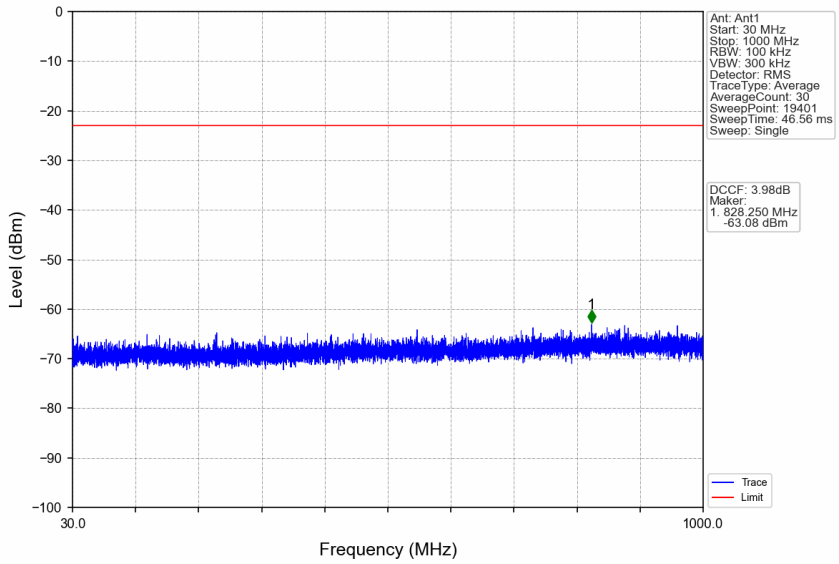

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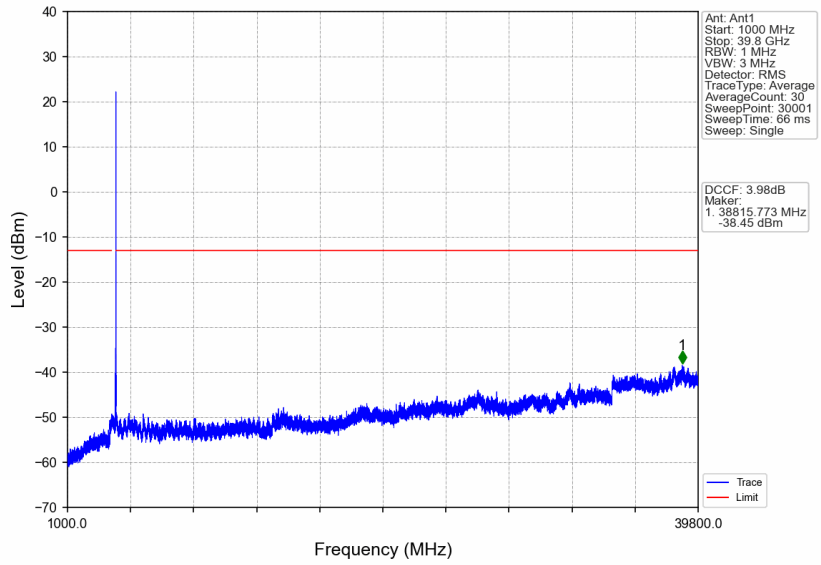

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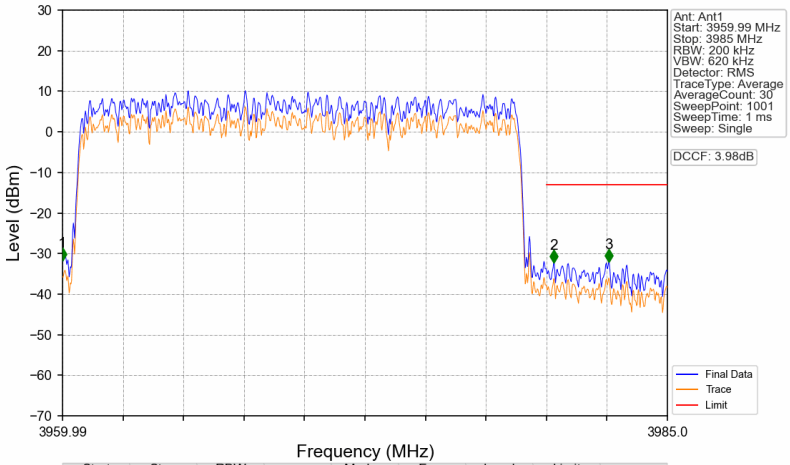
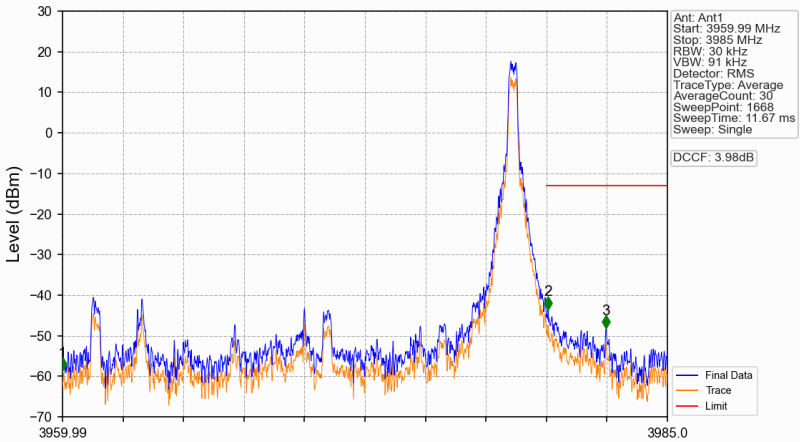


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.2	/	1	3959.990	-31.72	-13	Pass
3979.99	3979.99	0.2	/	/	/	/	/	/
3979.99	3980.99	0.2	/	2	3980.298	-32.21	-13	Pass
3980.99	3984.99	0.5	/	3	3982.574	-32.05	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3969.99MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.03	/	1	3959.990	-58.55	-13	Pass
3979.99	3979.99	0.03	/	/	/	/	/	/
3979.99	3980.99	0.03	/	2	3980.064	-43.46	-13	Pass
3980.99	3984.99	0.5	/	3	3982.464	-48.10	-13	Pass

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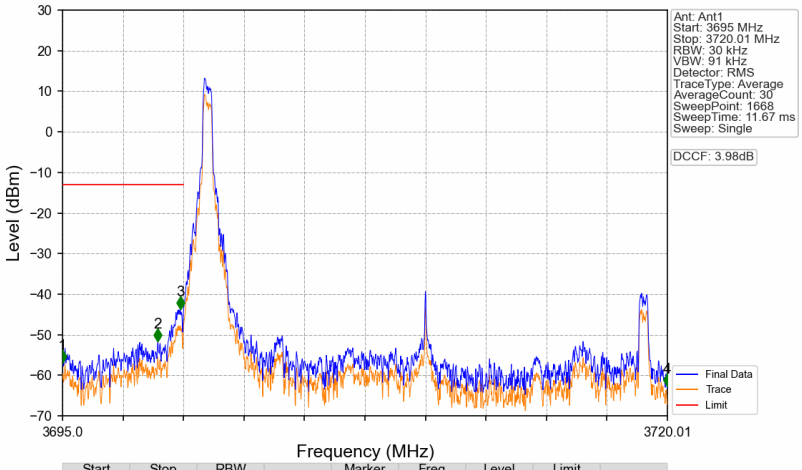

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	/	1	3695.000	-56.97	-13	Pass
3695.01	3699.01	0.5	/	2	3698.946	-51.66	-13	Pass
3699.01	3700.01	0.03	/	3	3699.876	-43.79	-13	Pass
3700.01	3720.01	0.03	/	4	3720.010	-62.84	-13	Pass

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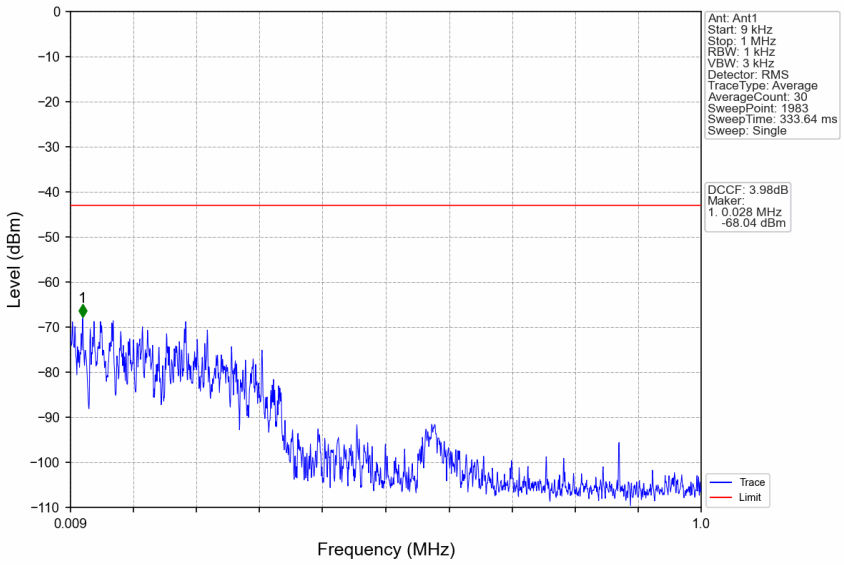

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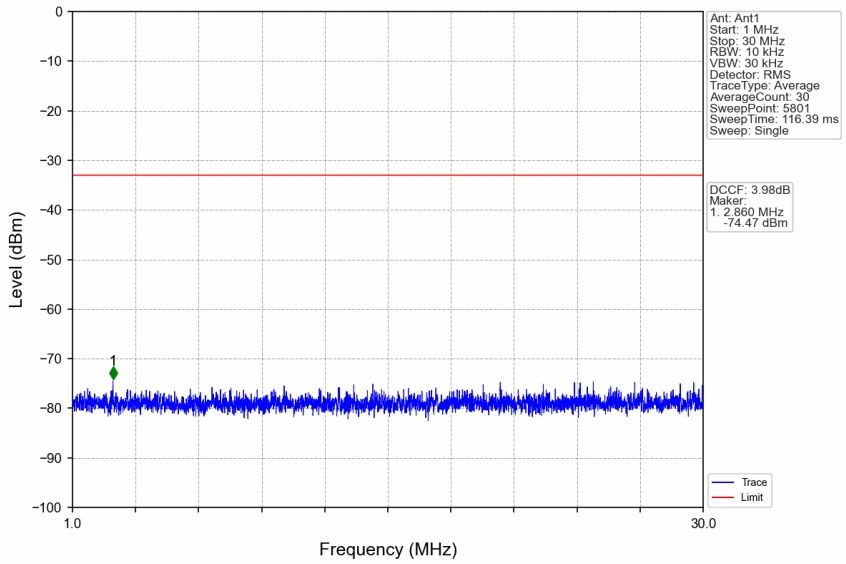

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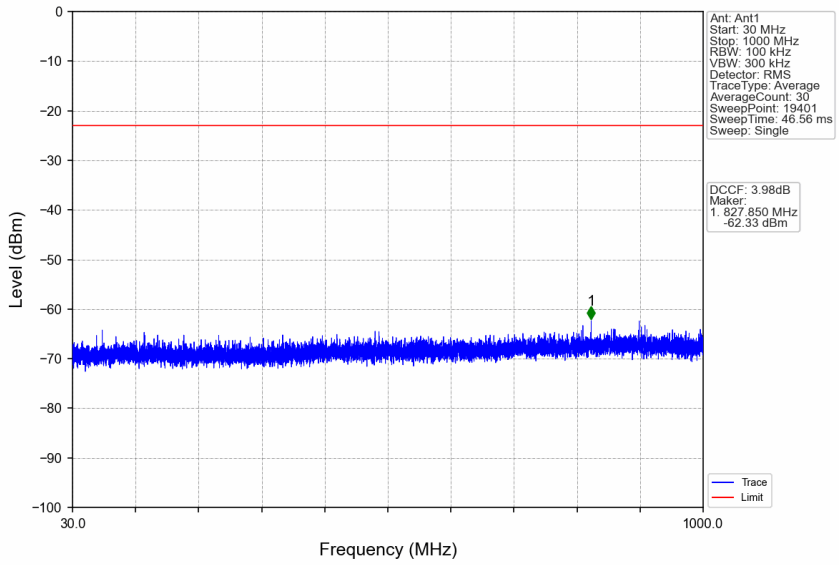

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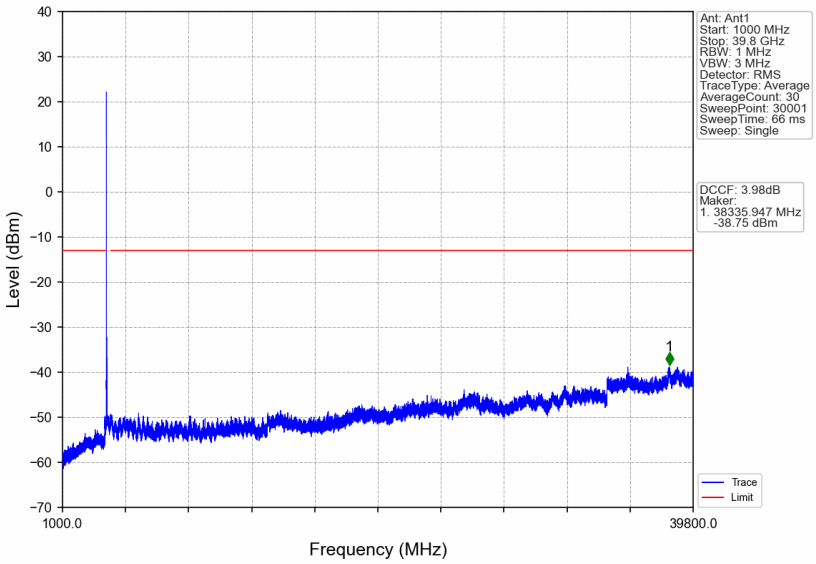
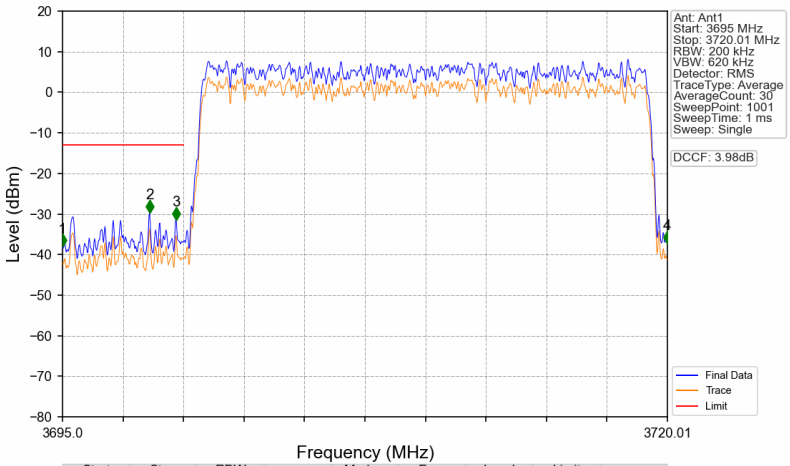


n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	/	1	3695.000	-38.04	-13	Pass
3695.01	3699.01	0.5	/	2	3698.601	-29.65	-13	Pass
3699.01	3700.01	0.2	/	3	3699.702	-31.44	-13	Pass
3700.01	3720.01	0.2	/	4	3720.010	-37.25	-13	Pass

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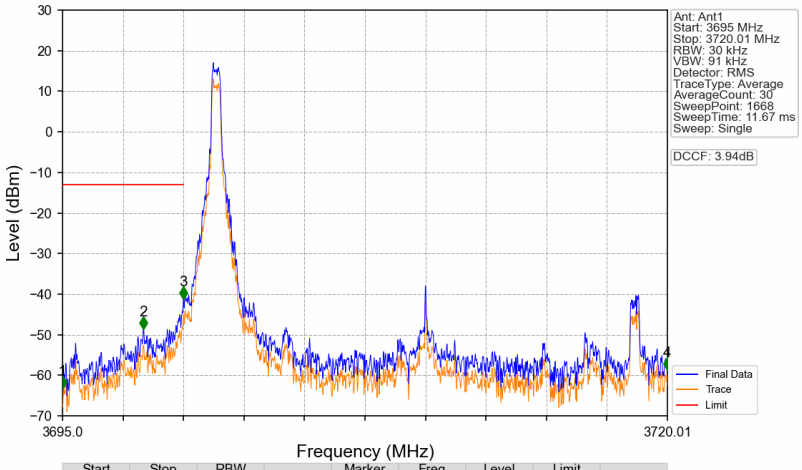
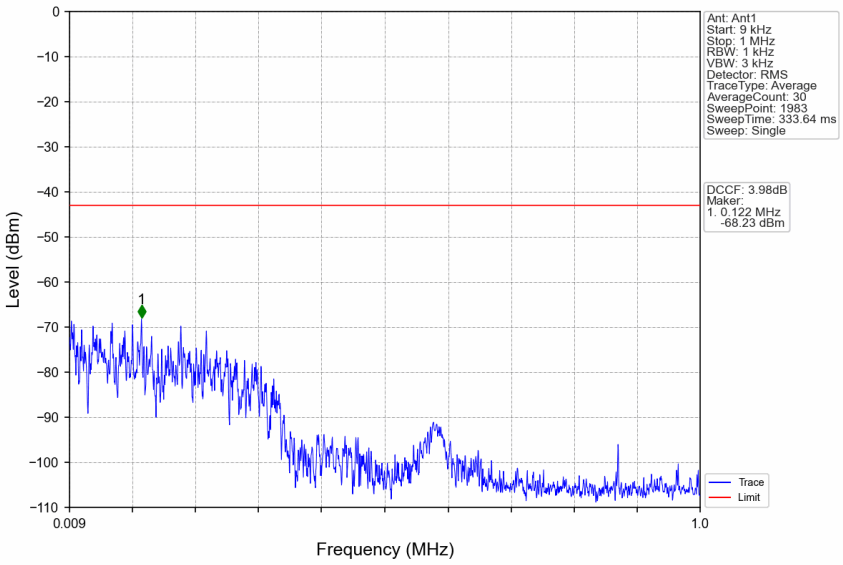
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	/	1	3695.000	-63.26	-13	Pass
3695.01	3699.01	0.5	/	2	3698.346	-48.64	-13	Pass
3699.01	3700.01	0.03	/	3	3699.996	-41.32	-13	Pass
3700.01	3720.01	0.03	/	4	3720.010	-58.66	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3840MHz_Edge_1RB_Left



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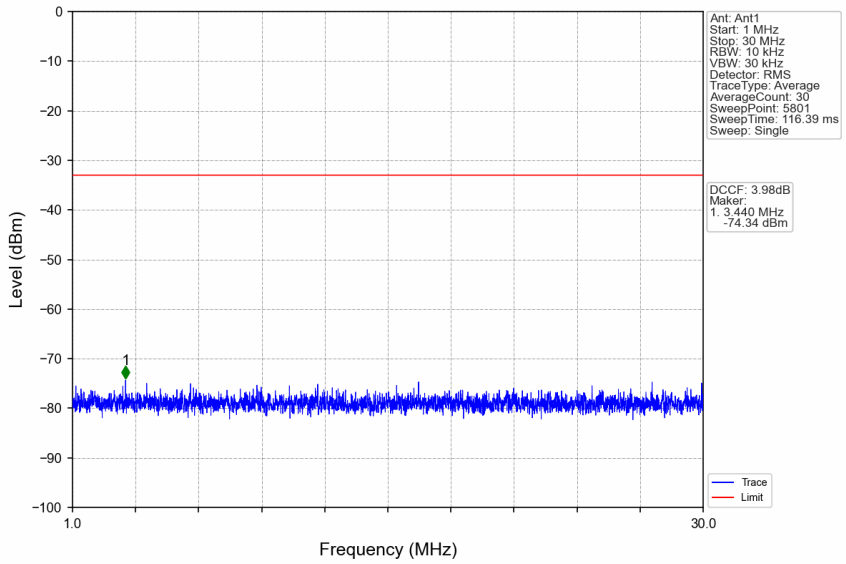
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3840MHz_Edge_1RB_Left



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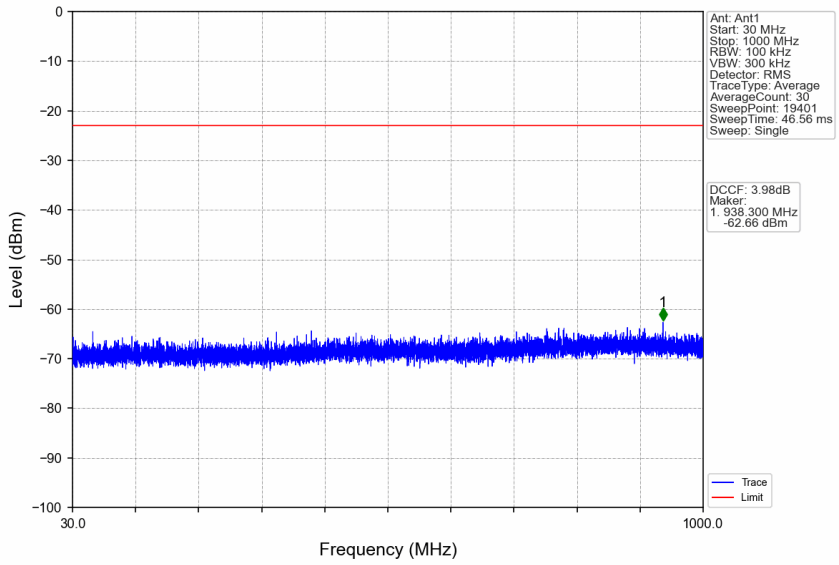

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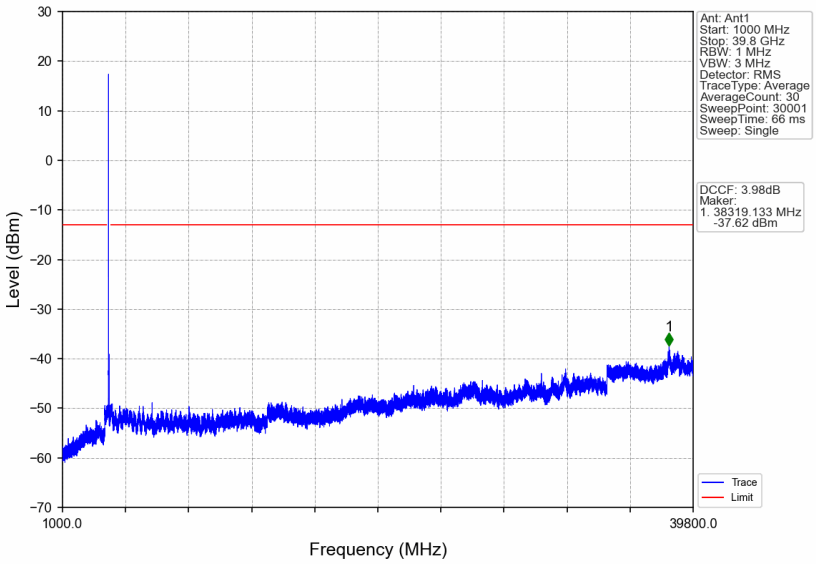
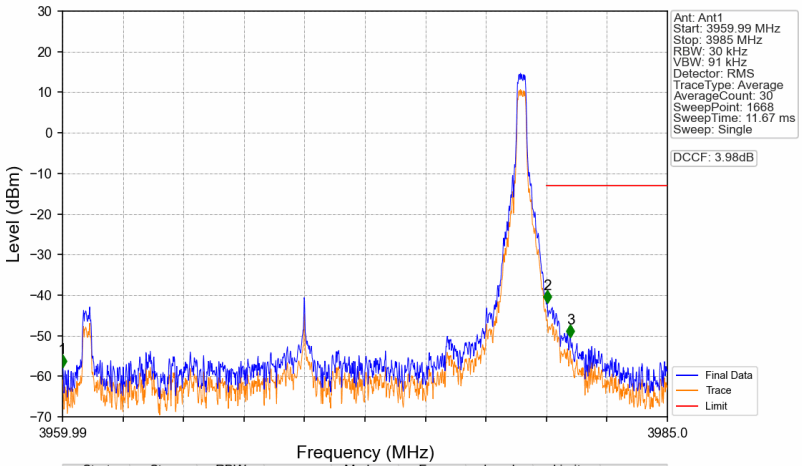


n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.03	/	1	3959.990	-57.74	-13	Pass
3979.99	3979.99	0.03	/	/	/	/	/	/
3979.99	3980.99	0.03	/	2	3980.034	-42.00	-13	Pass
3980.99	3984.99	0.5	/	3	3980.994	-50.43	-13	Pass

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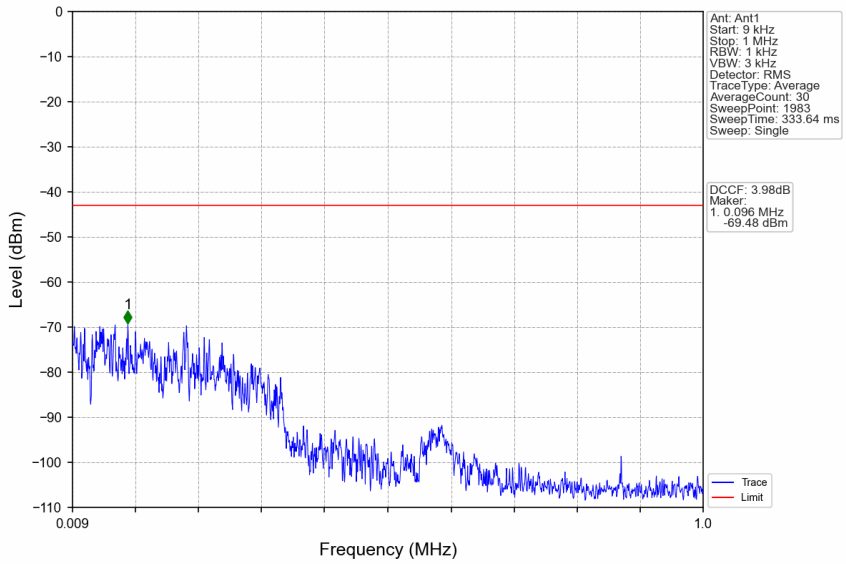

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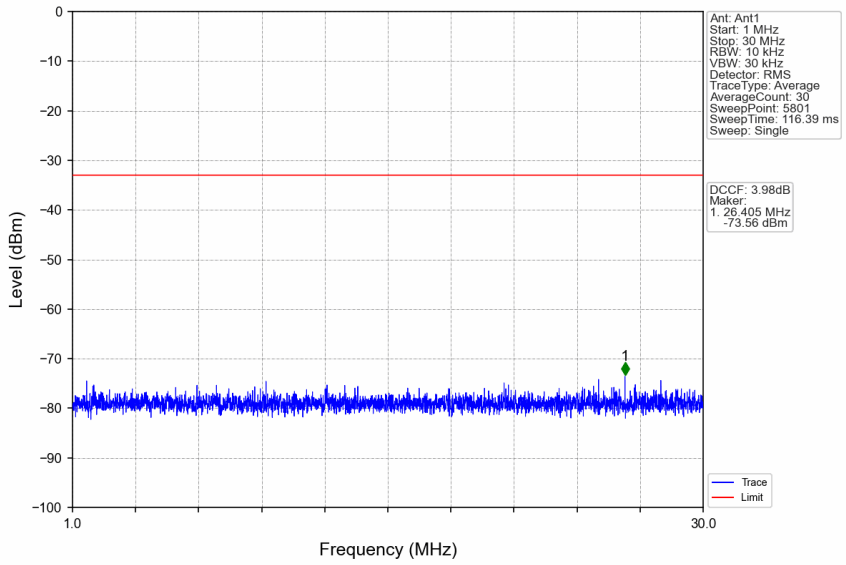

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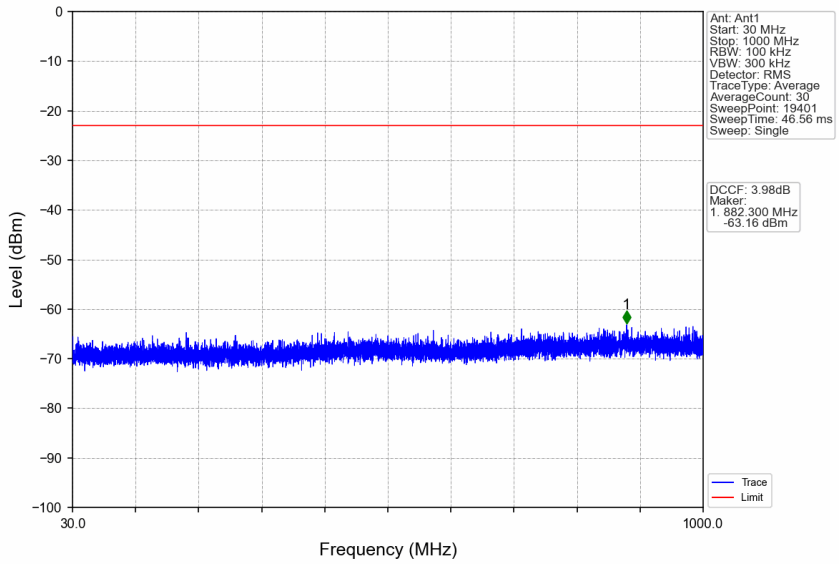

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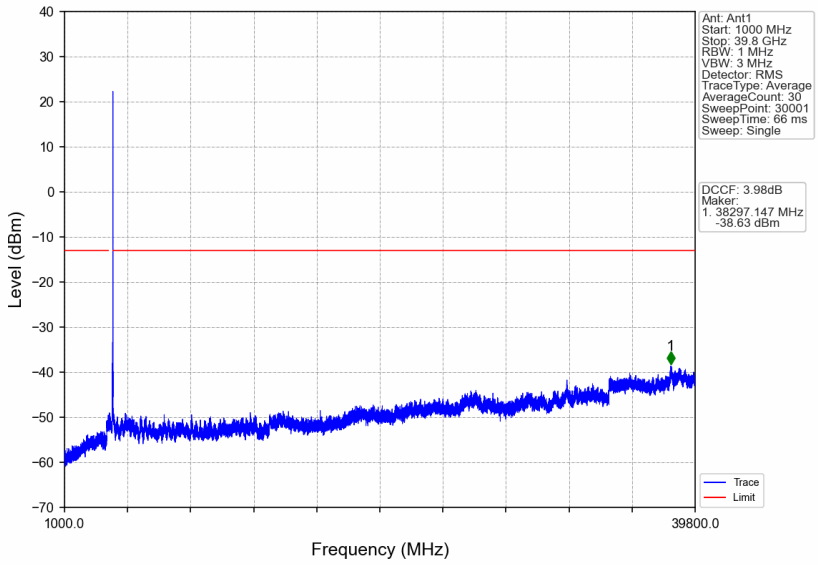

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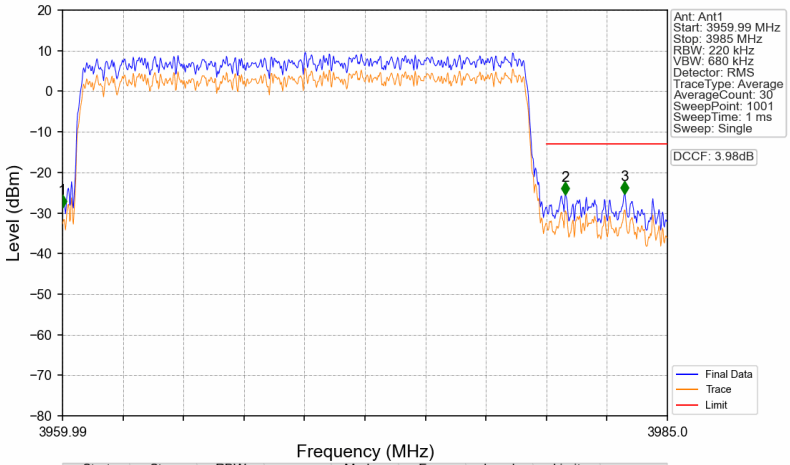
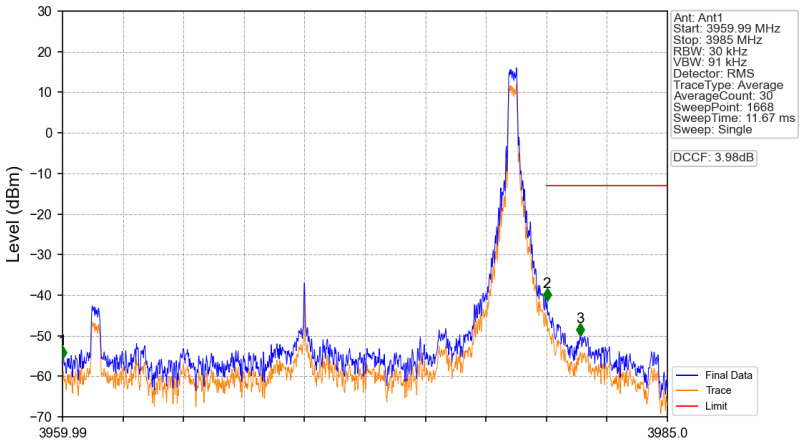
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.22	/	1	3959.990	-28.75	-13	Pass
3979.99	3979.99	0.22	/	/	/	/	/	/
3979.99	3980.99	0.22	/	2	3980.773	-25.51	-13	Pass
3980.99	3984.99	0.5	/	3	3983.224	-25.29	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.03	/	1	3959.990	-55.63	-13	Pass
3979.99	3979.99	0.03	/	/	/	/	/	/
3979.99	3980.99	0.03	/	2	3980.019	-41.43	-13	Pass
3980.99	3984.99	0.5	/	3	3981.399	-50.12	-13	Pass

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6.11 30k_SISO_25MHz_NTNV

6.11.1 Test Result

5G NR n77a SCS=30kHz SISO 25MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3712.5	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
	3967.5	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	3712.5	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
	3967.5	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	3712.5	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
	3967.5	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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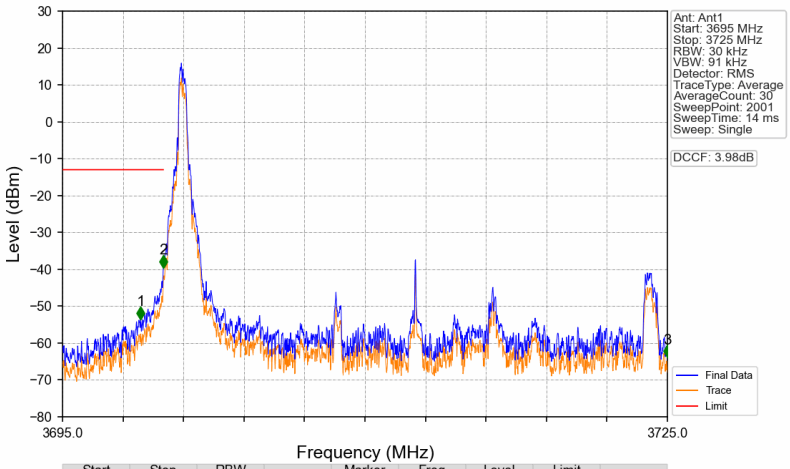
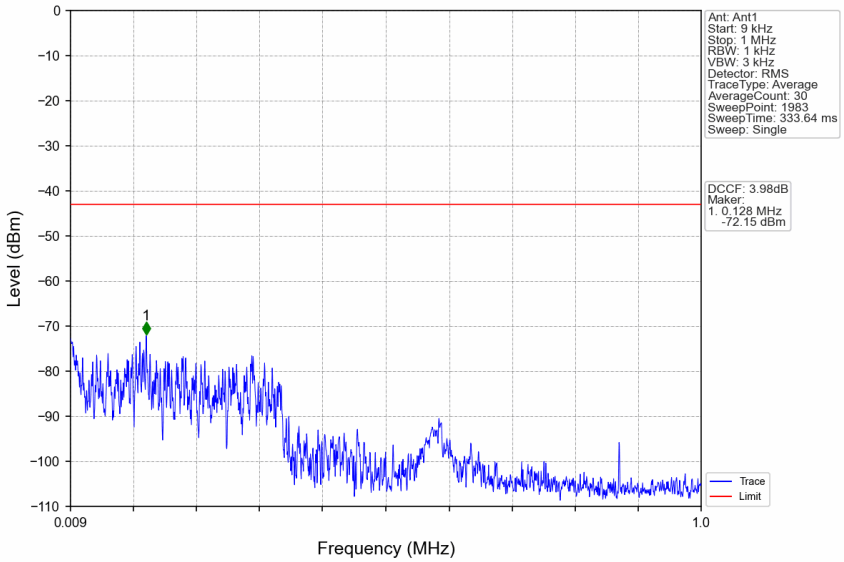
6.11.2 Test Graph

n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_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	3698.870	-53.55	-13	Pass
3699	3700	0.03	/	2	3699.995	-39.56	-13	Pass
3700	3725	0.03	/	3	3725.000	-63.94	-13	Pass

n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_3712.5MHz_Edge_1RB_Left



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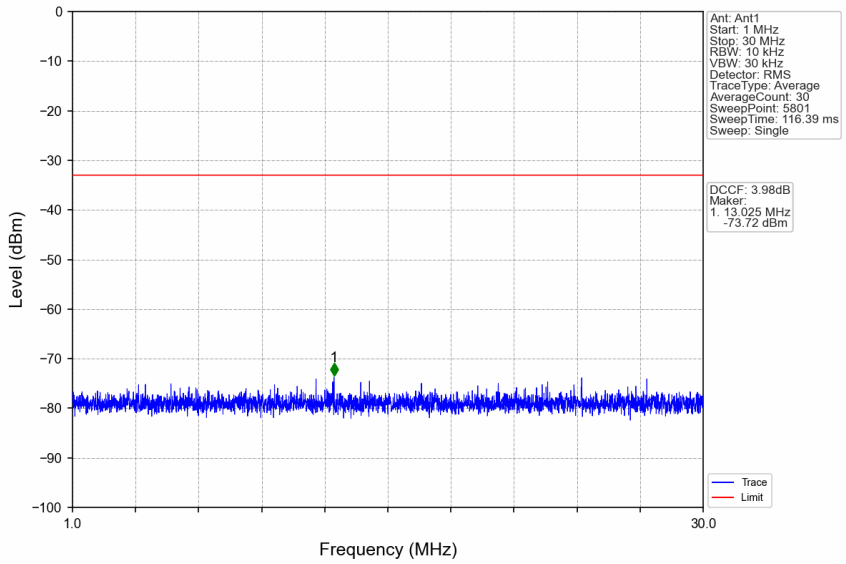
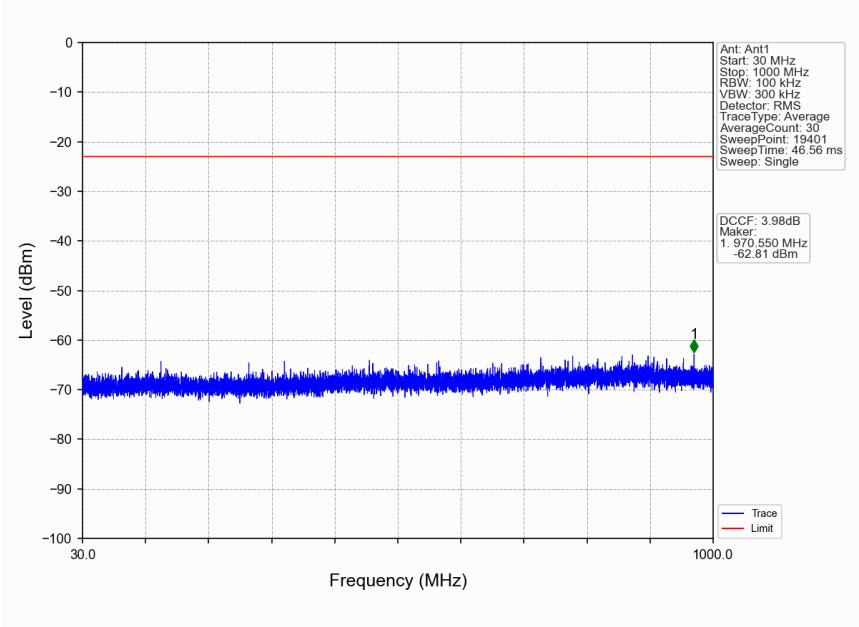


n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_3712.5MHz_Edge_1RB_Left



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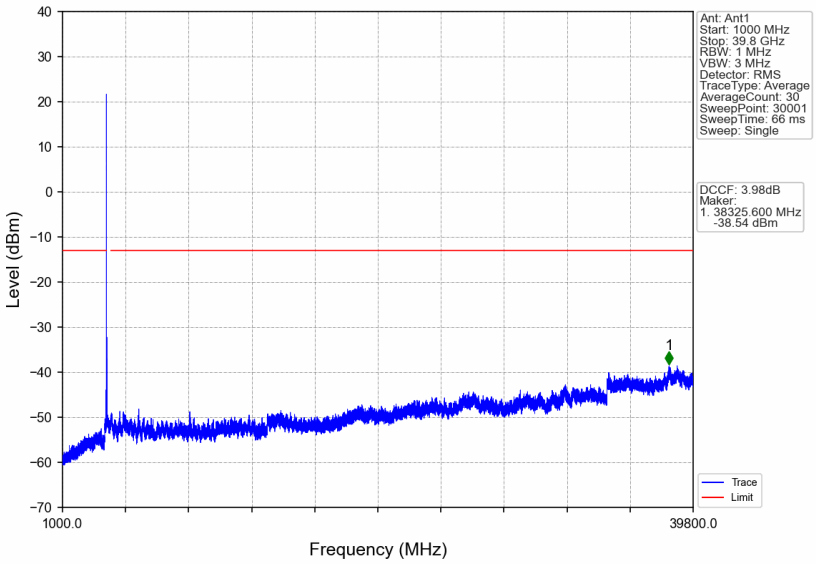
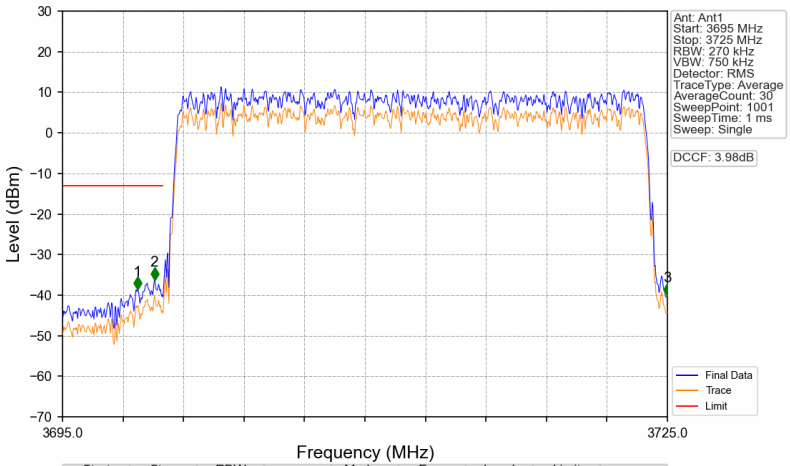


n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_3712.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.720	-38.64	-13	Pass
3699	3700	0.27	/	2	3699.560	-36.24	-13	Pass
3700	3725	0.27	/	3	3725.000	-40.11	-13	Pass

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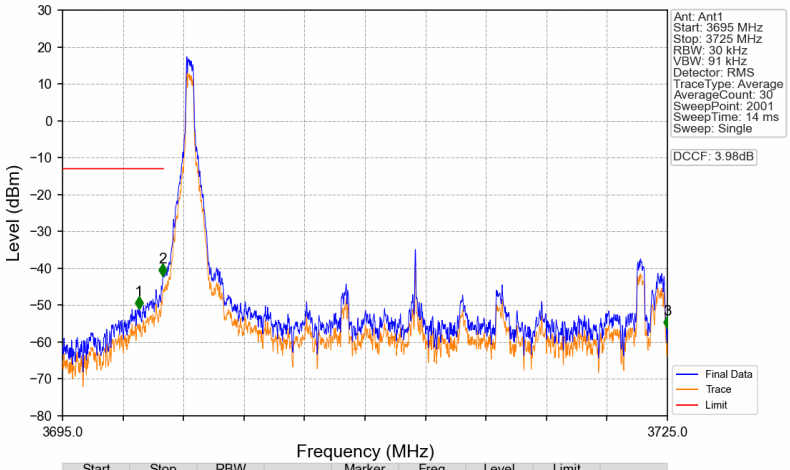
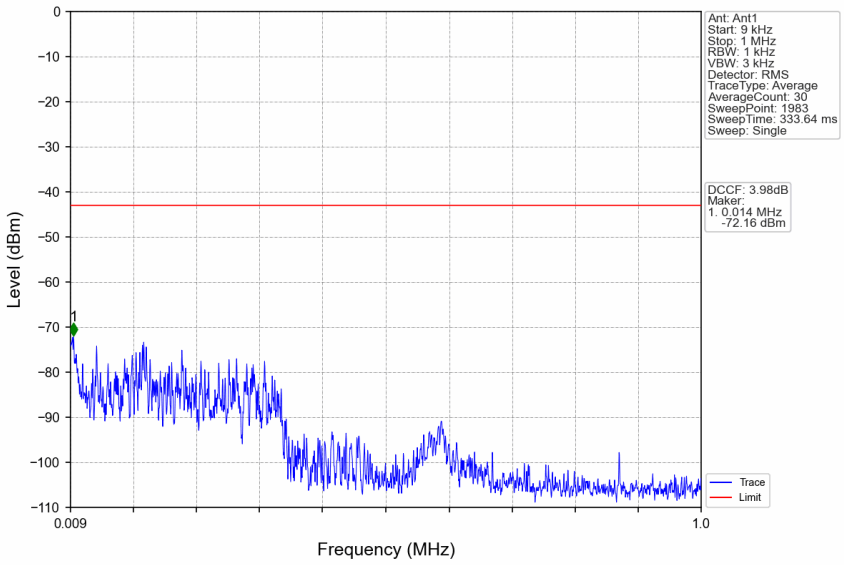


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.795	-51.08	-13	Pass
3699	3700	0.03	/	2	3699.980	-42.12	-13	Pass
3700	3725	0.03	/	3	3725.000	-56.42	-13	Pass

n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left



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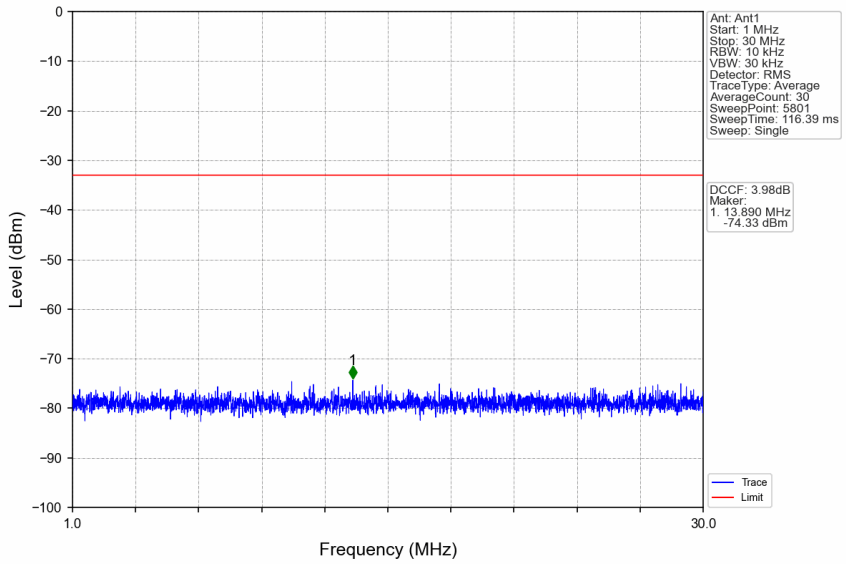

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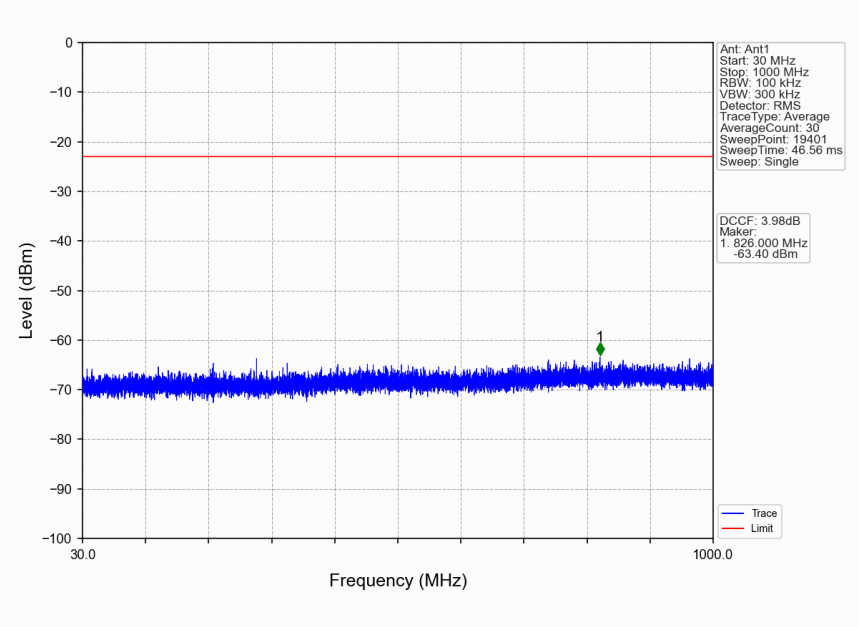

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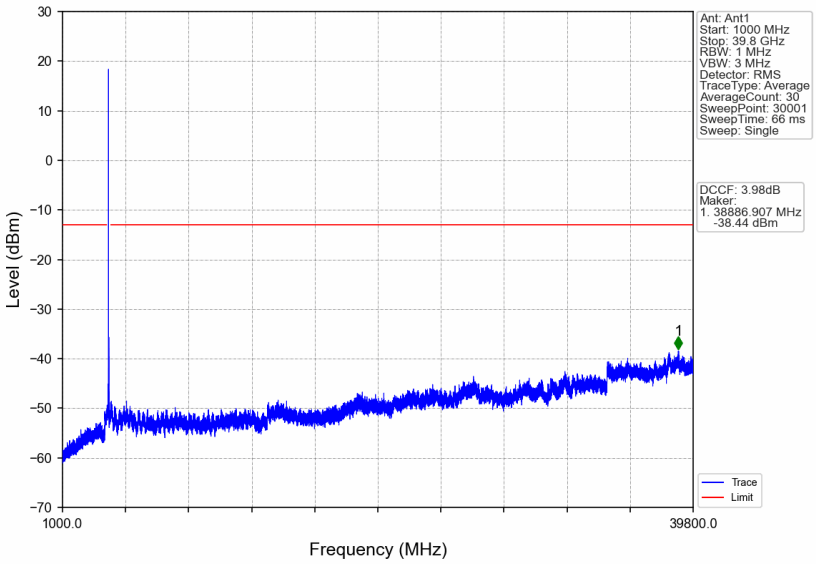
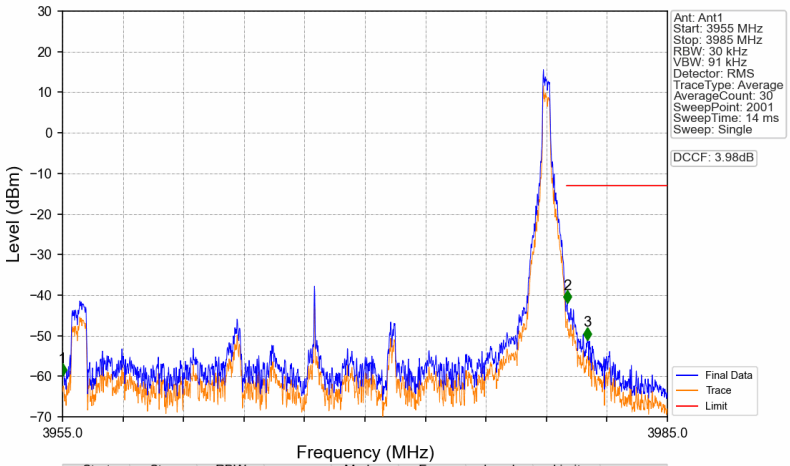


n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_3967.5MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3955	3980	0.03	/	1	3955.000	-59.95	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.035	-41.94	-13	Pass
3981	3985	0.5	/	3	3981.040	-51.06	-13	Pass

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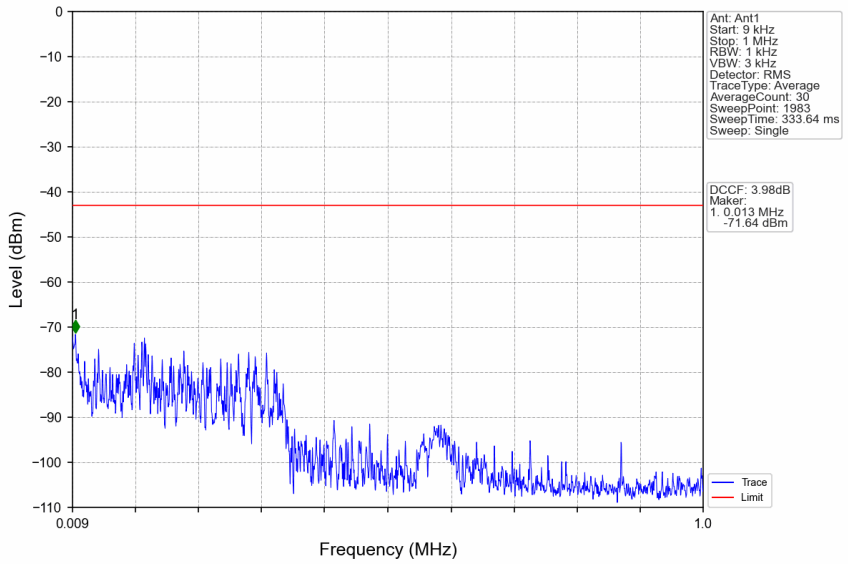

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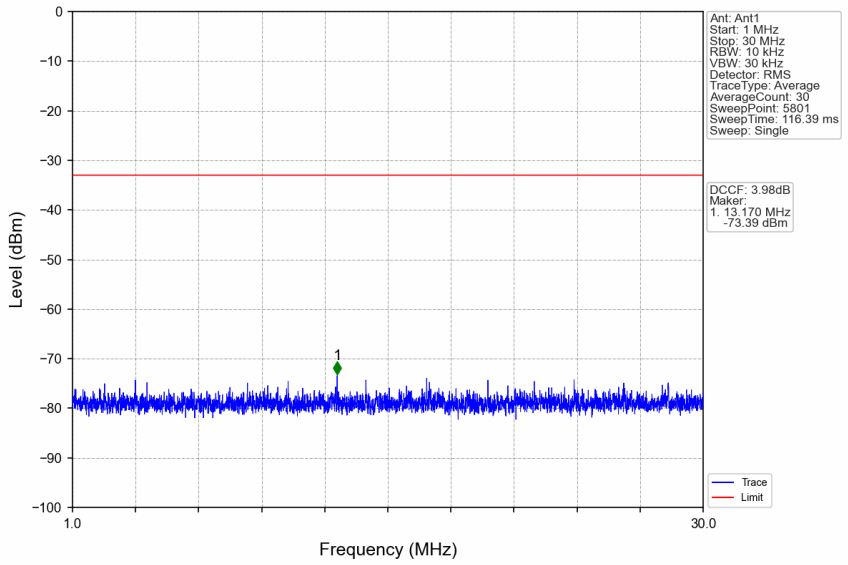

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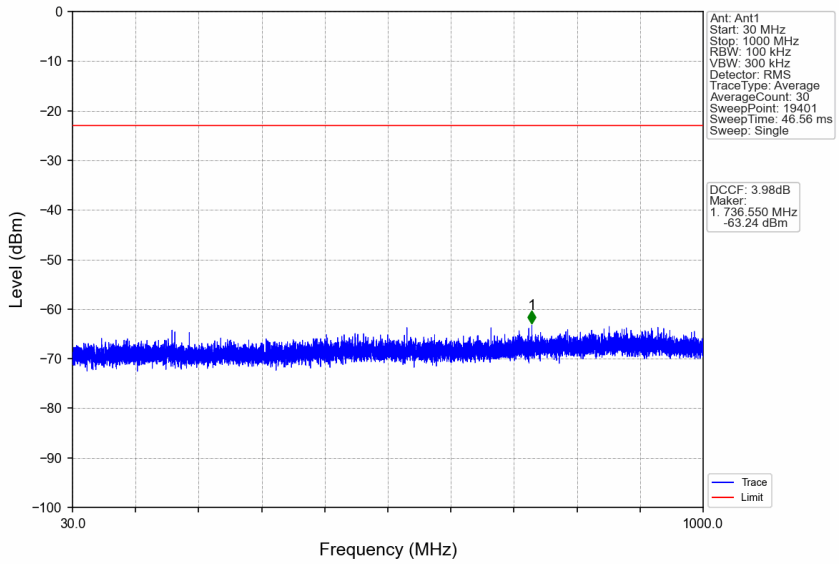

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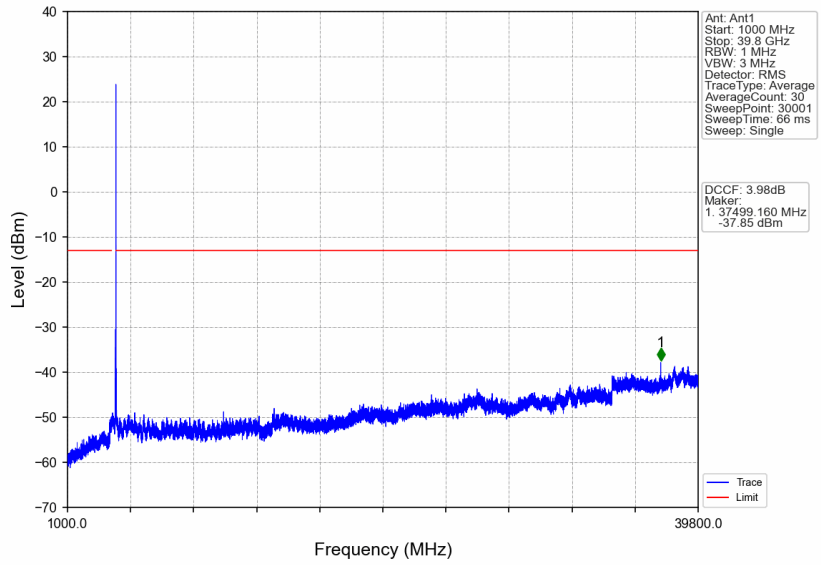

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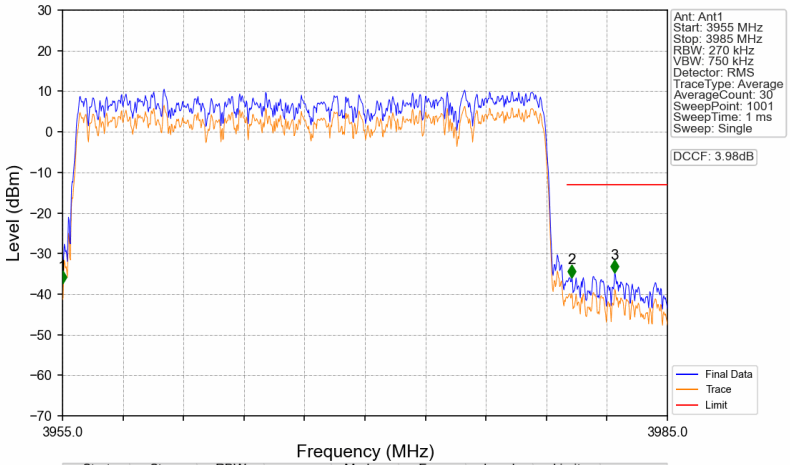
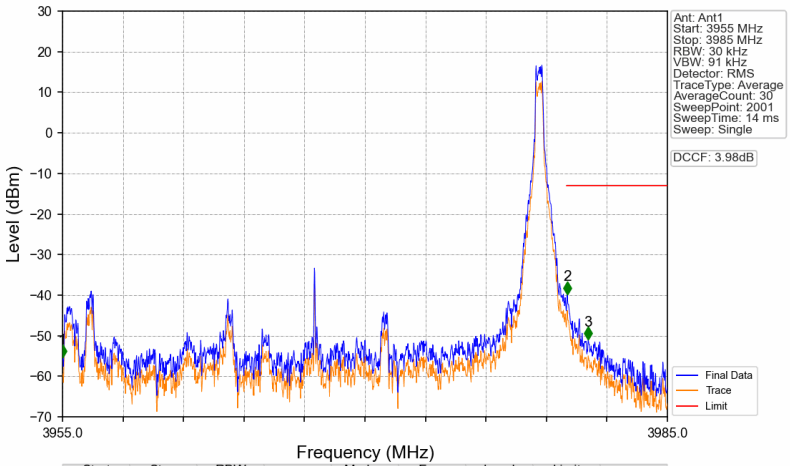
n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_3967.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3955	3980	0.27	/	1	3955.000	-37.40	-13	Pass
3980	3980	0.27	/	/	/	/	/	/
3980	3981	0.27	/	2	3980.260	-35.87	-13	Pass
3981	3985	0.5	/	3	3982.390	-34.80	-13	Pass

n77a_30kHz_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	-55.39	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.035	-39.78	-13	Pass
3981	3985	0.5	/	3	3981.070	-50.96	-13	Pass

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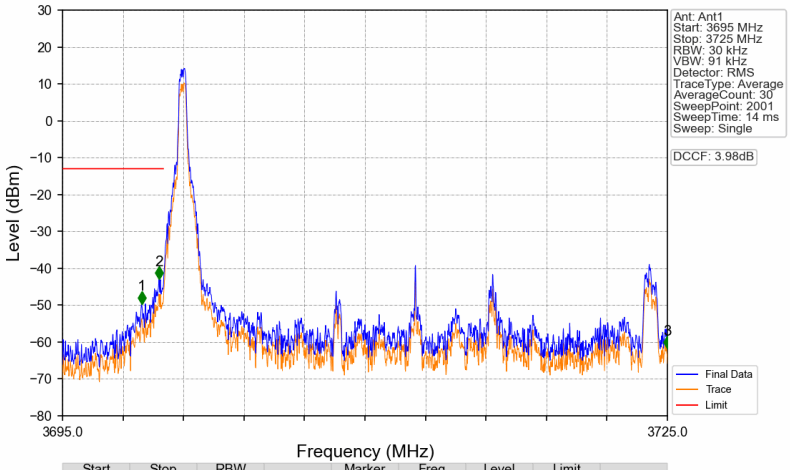
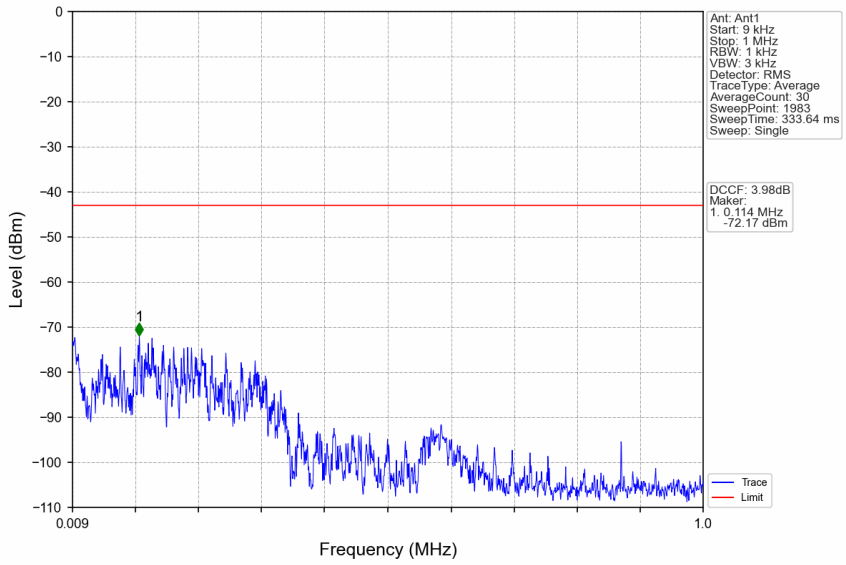
n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3712.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.930	-49.67	-13	Pass
3699	3700	0.03	/	2	3699.785	-43.01	-13	Pass
3700	3725	0.03	/	3	3725.000	-61.84	-13	Pass

n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3712.5MHz_Edge_1RB_Left



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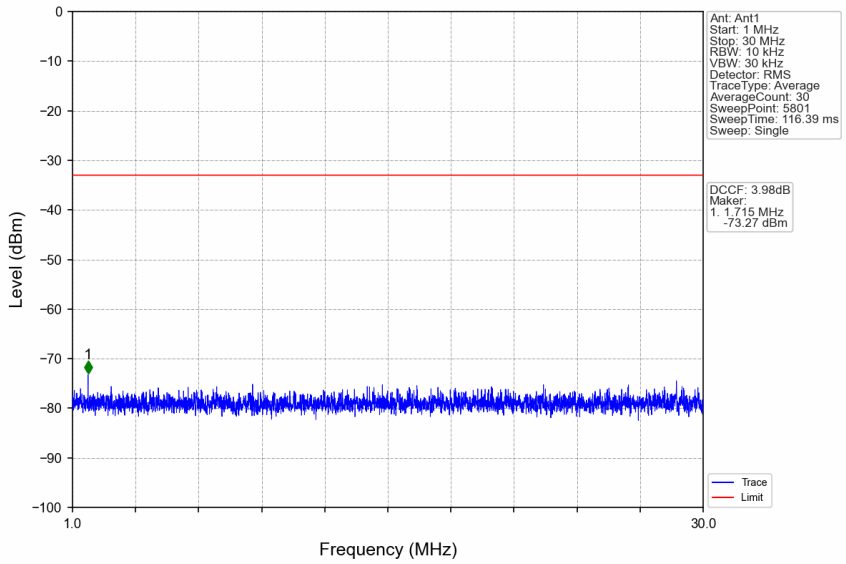
n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3712.5MHz_Edge_1RB_Left



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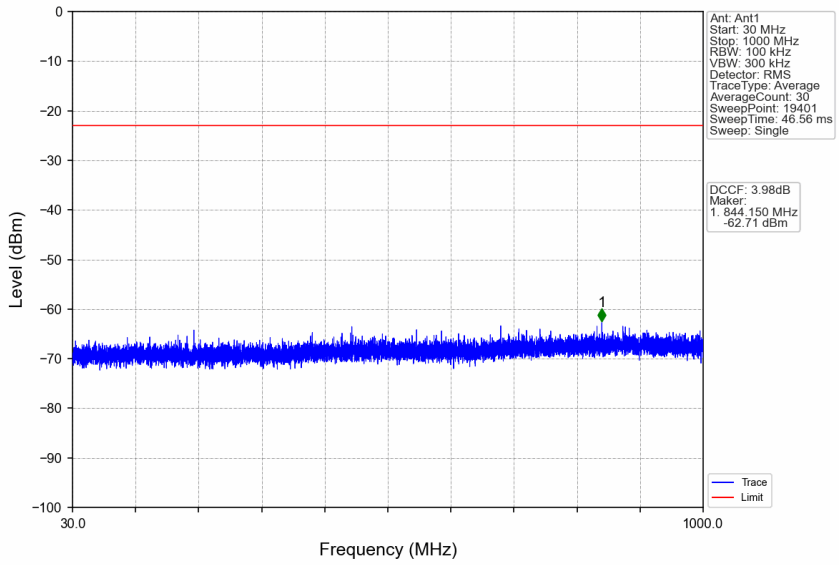

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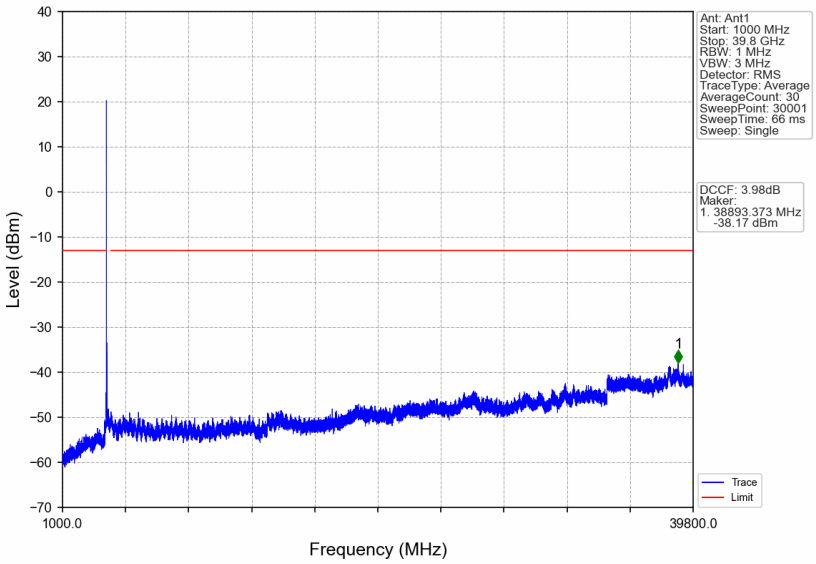
n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3712.5MHz_Edge_1RB_Left



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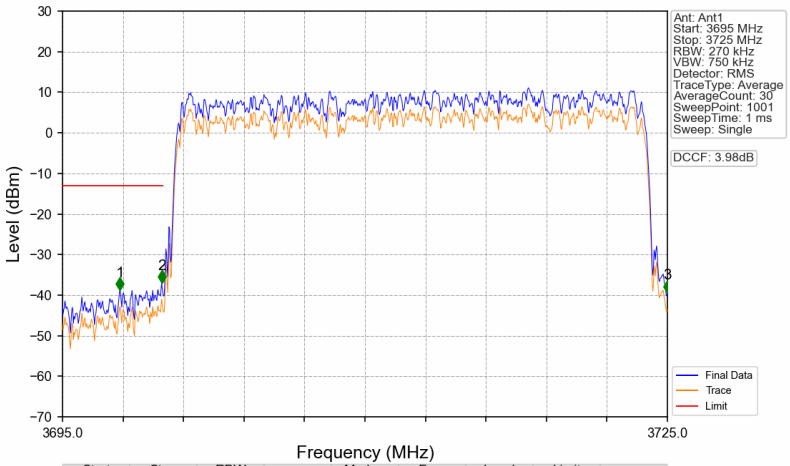

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3697.850	-38.82	-13	Pass
3699	3700	0.27	/	2	3699.920	-37.00	-13	Pass
3700	3725	0.27	/	3	3725.000	-39.41	-13	Pass

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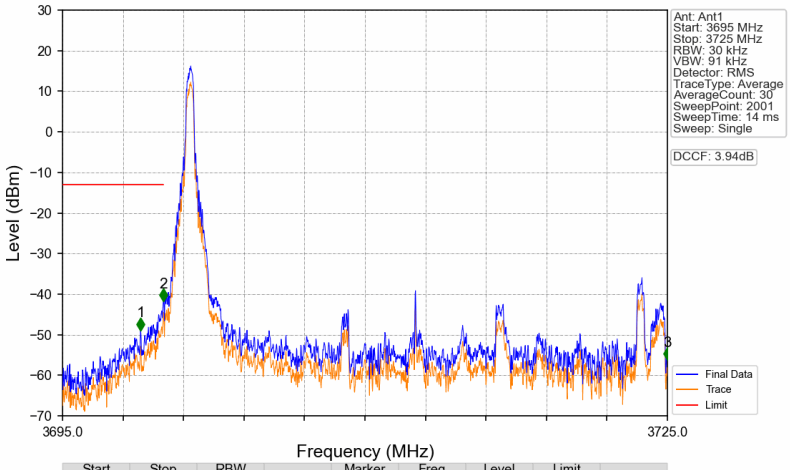
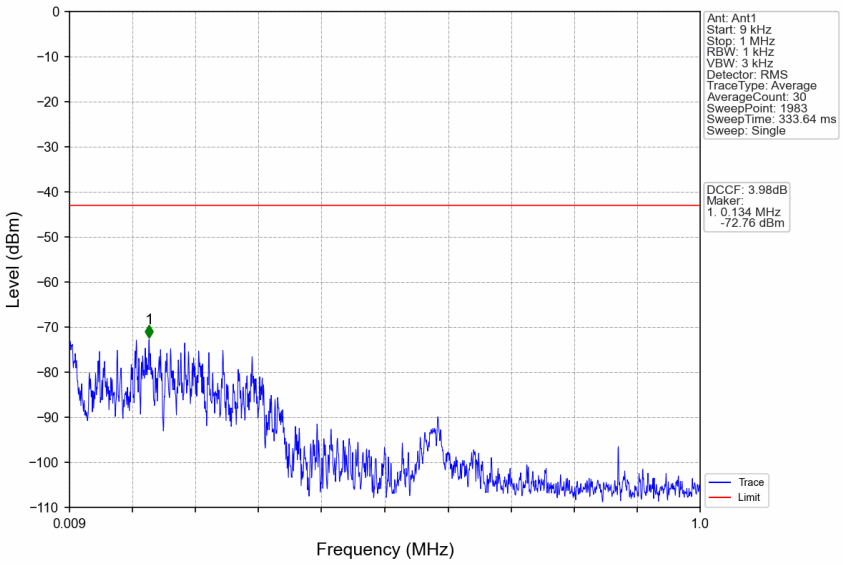


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.870	-48.93	-13	Pass
3699	3700	0.03	/	2	3699.995	-41.73	-13	Pass
3700	3725	0.03	/	3	3725.000	-56.24	-13	Pass

n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3840MHz_Edge_1RB_Left



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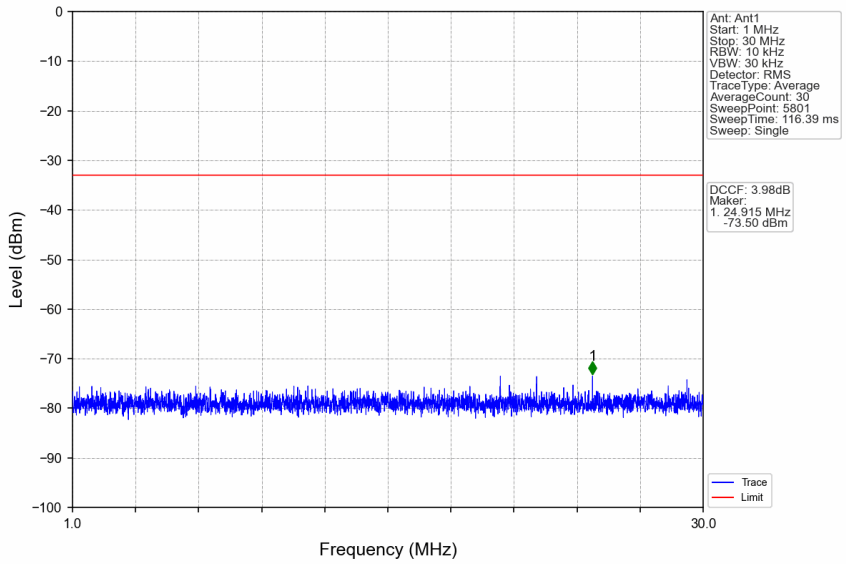

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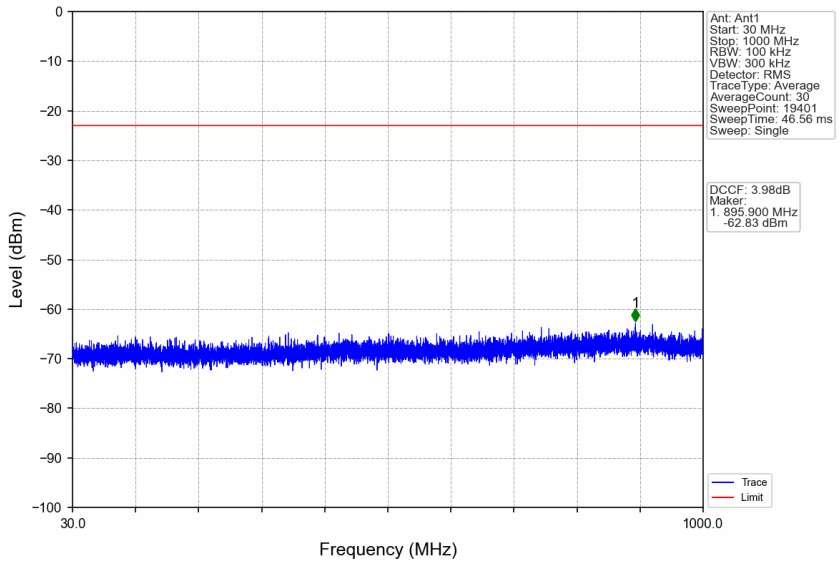

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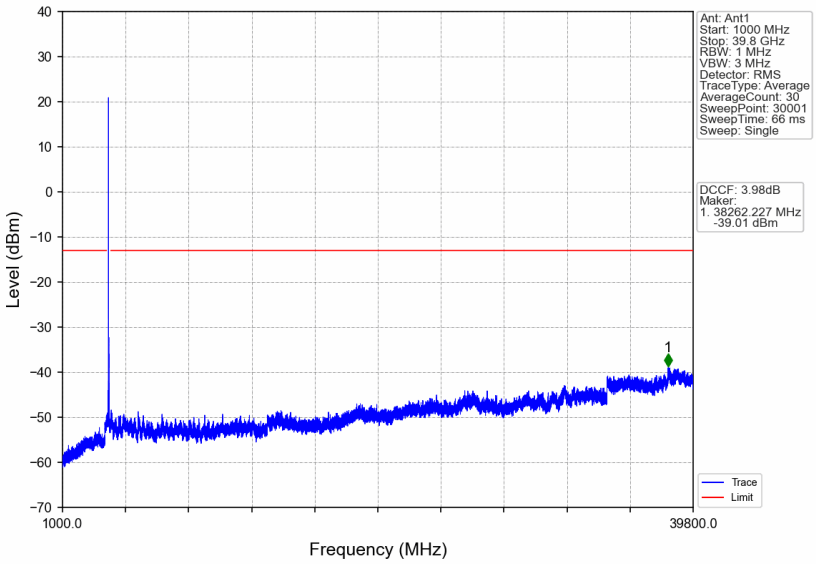

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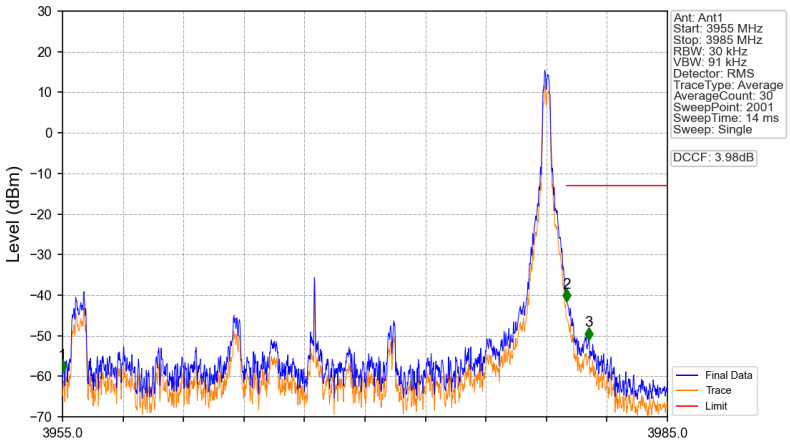

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3955	3980	0.03	/	1	3955.000	-59.04	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.005	-41.61	-13	Pass
3981	3985	0.5	/	3	3981.100	-51.07	-13	Pass

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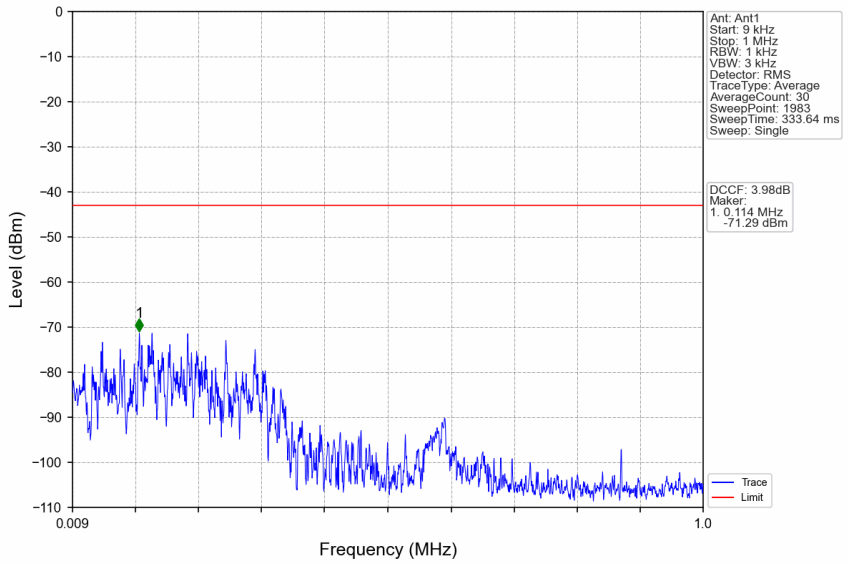

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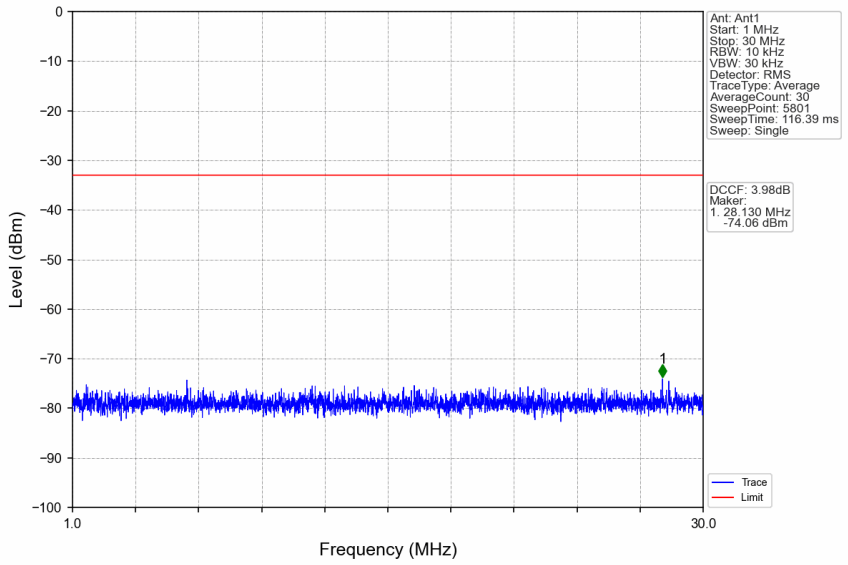

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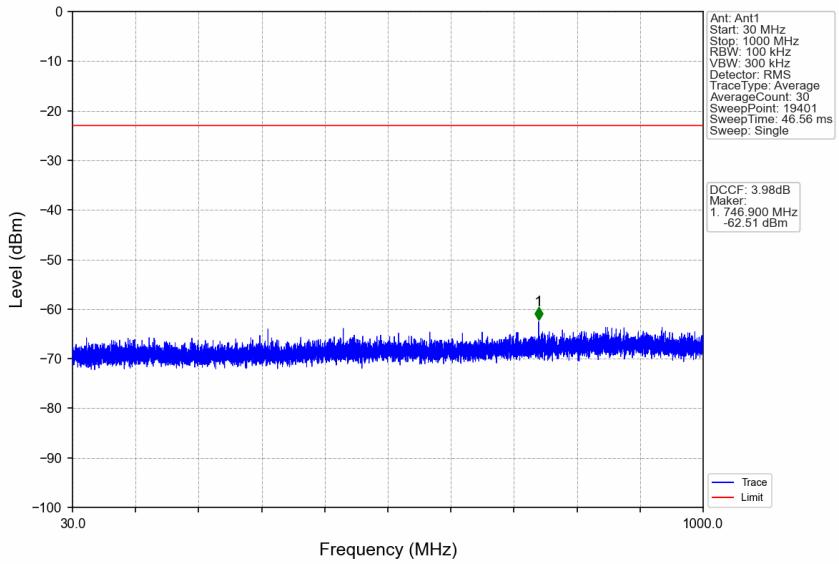
n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3967.5MHz_Edge_1RB_Right



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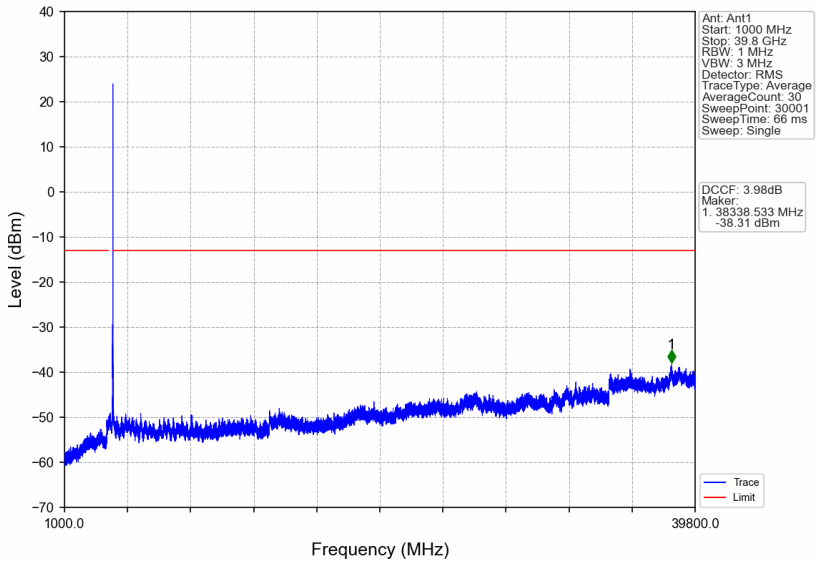

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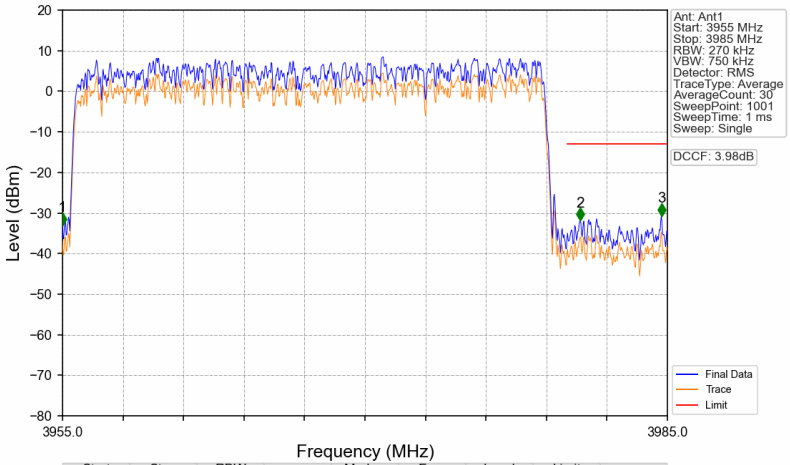
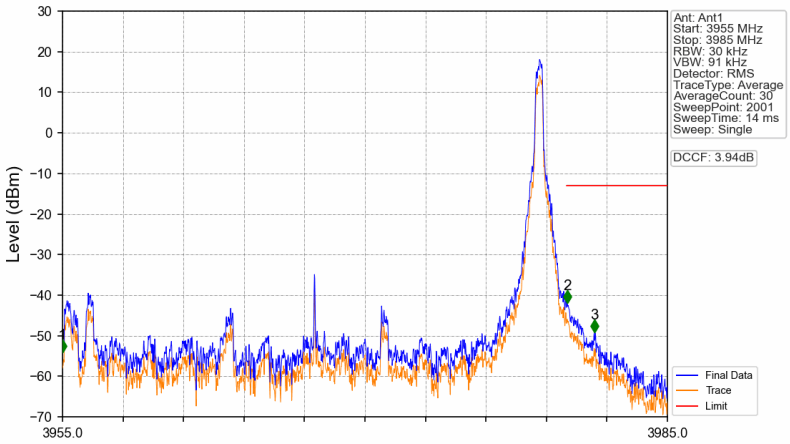
n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3967.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3955	3980	0.27	/	1	3955.000	-33.01	-13	Pass
3980	3980	0.27	/	/	/	/	/	/
3980	3981	0.27	/	2	3980.680	-31.90	-13	Pass
3981	3985	0.5	/	3	3984.700	-30.72	-13	Pass

n77a_30kHz_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	-54.09	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.035	-41.98	-13	Pass
3981	3985	0.5	/	3	3981.370	-49.23	-13	Pass

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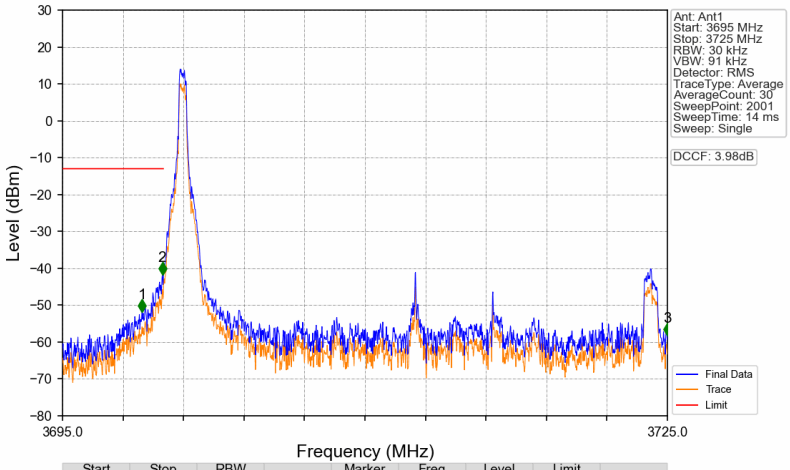
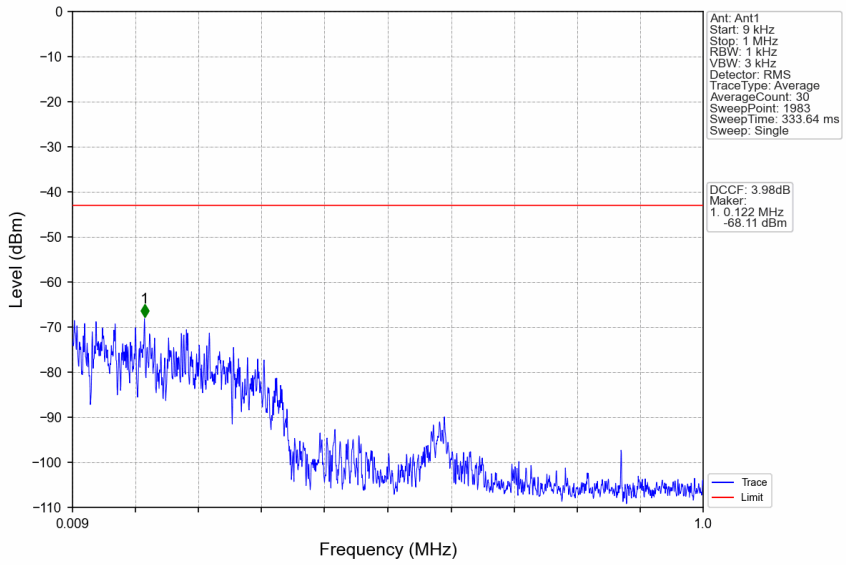
n77a_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3712.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.945	-51.89	-13	Pass
3699	3700	0.03	/	2	3699.950	-41.81	-13	Pass
3700	3725	0.03	/	3	3725.000	-58.21	-13	Pass

n77a_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3712.5MHz_Edge_1RB_Left



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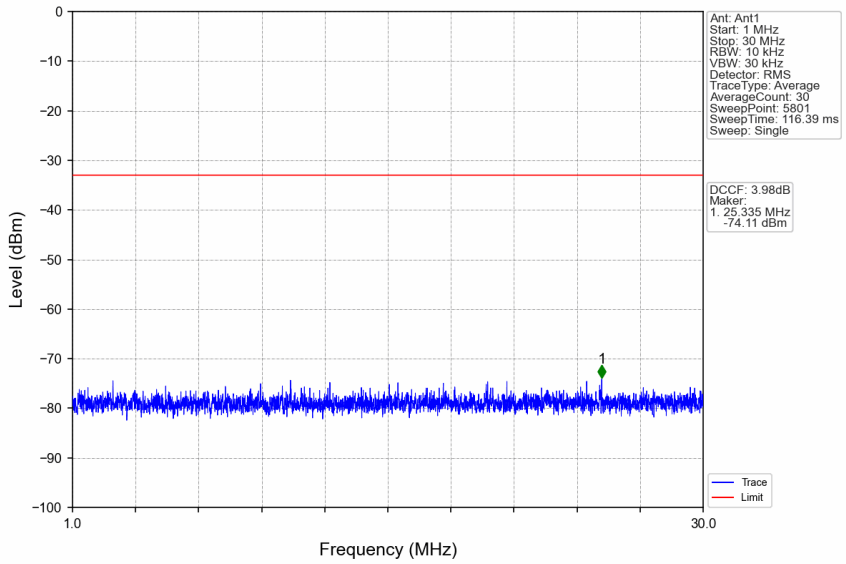
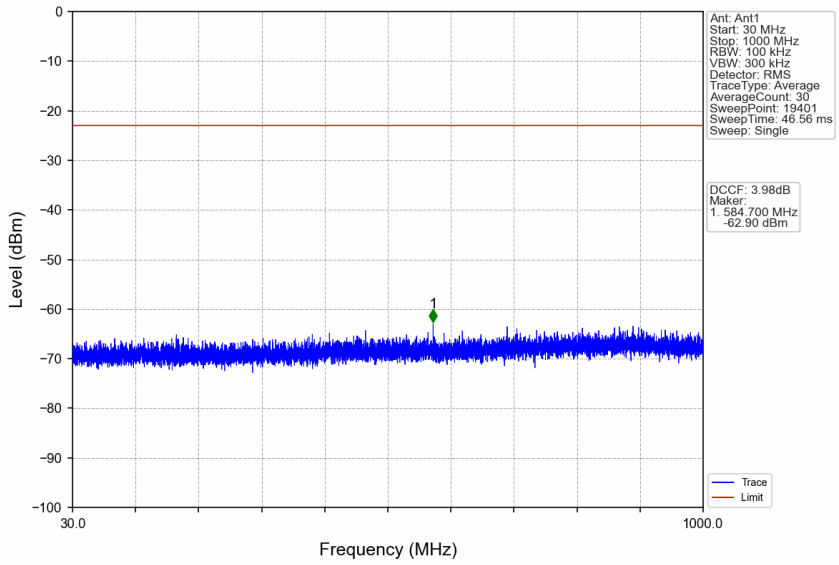


n77a_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3712.5MHz_Edge_1RB_Left



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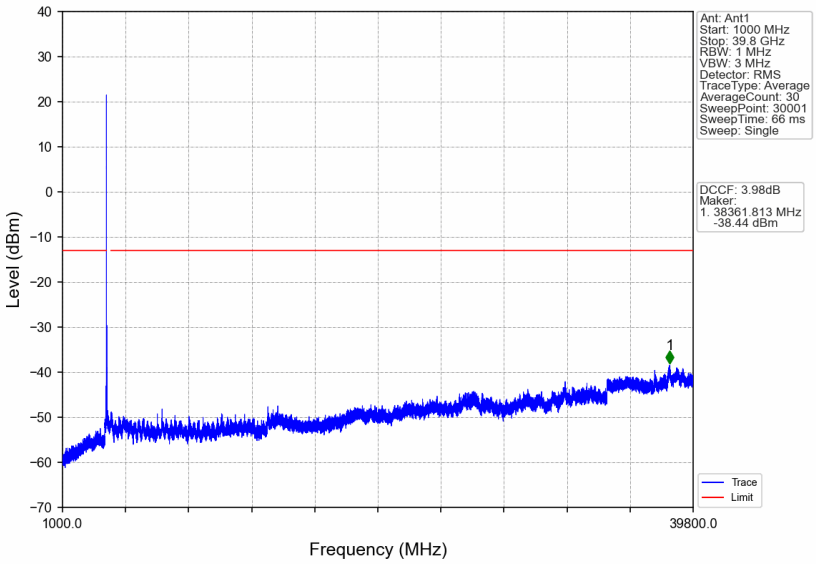
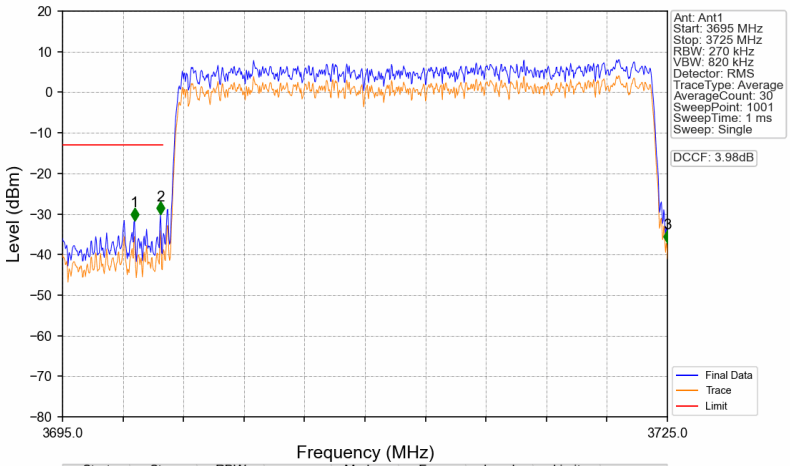


n77a_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3712.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.570	-31.58	-13	Pass
3699	3700	0.27	/	2	3699.860	-30.14	-13	Pass
3700	3725	0.27	/	3	3725.000	-37.06	-13	Pass

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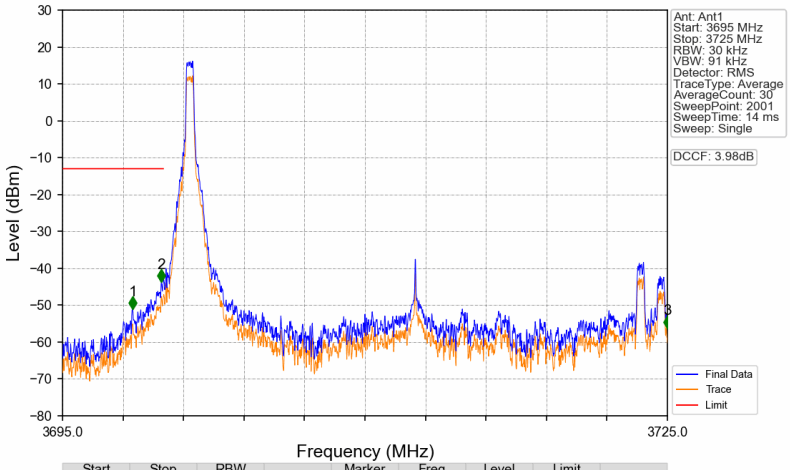
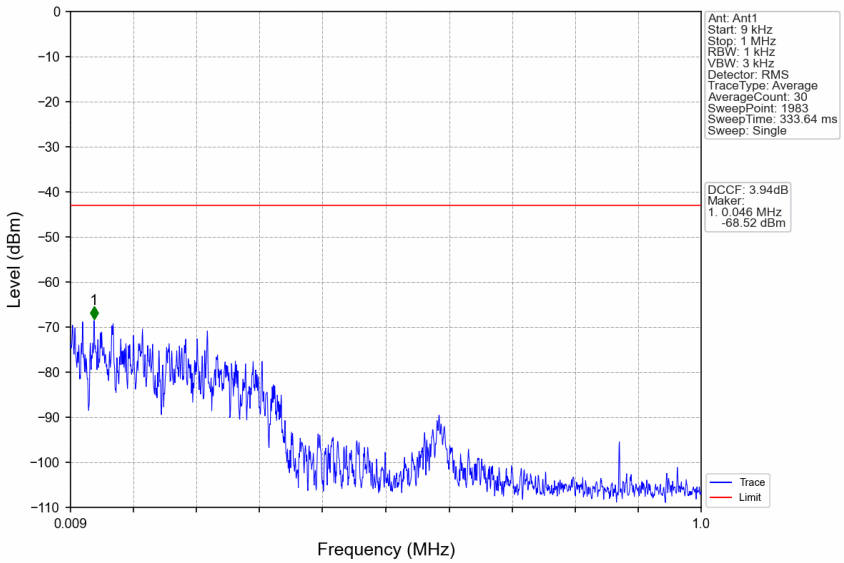


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	/	1	3698.480	-51.10	-13	Pass
3699	3700	0.03	/	2	3699.905	-43.72	-13	Pass
3700	3725	0.03	/	3	3725.000	-56.26	-13	Pass

n77a_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3840MHz_Edge_1RB_Left



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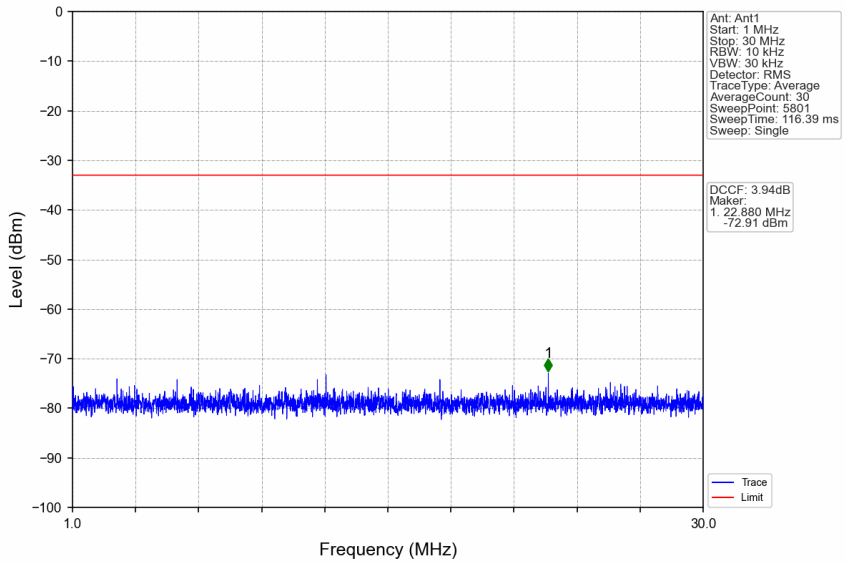

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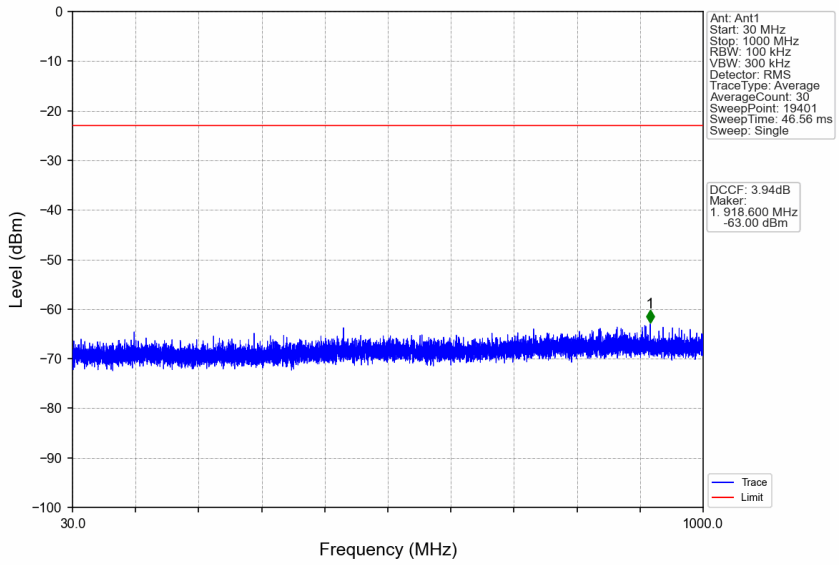

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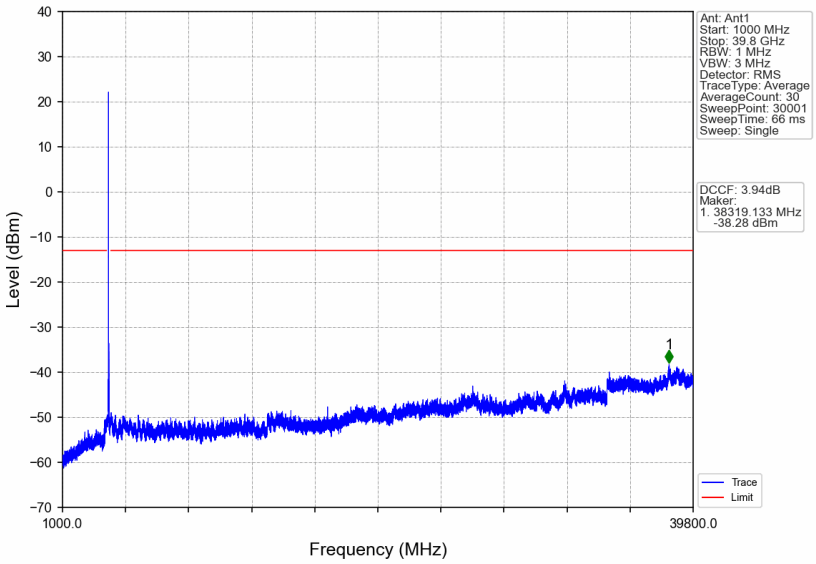
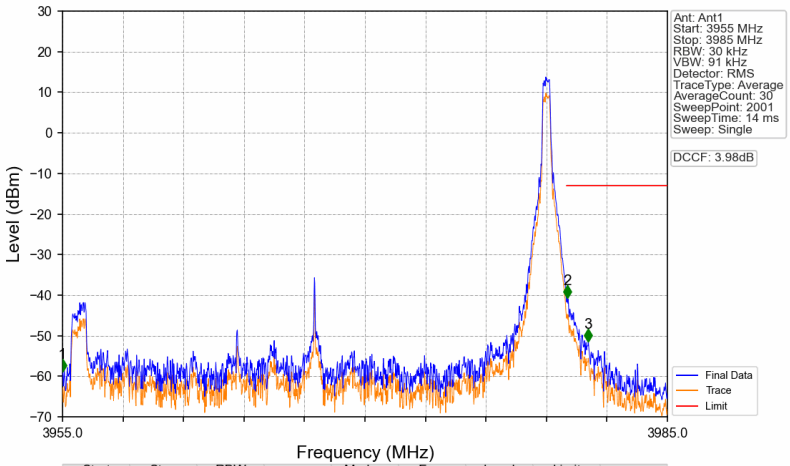


n77a_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3967.5MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3955	3980	0.03	/	1	3955.000	-58.97	-13	Pass
3980	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	2	3980.035	-40.68	-13	Pass
3981	3985	0.5	/	3	3981.070	-51.56	-13	Pass

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