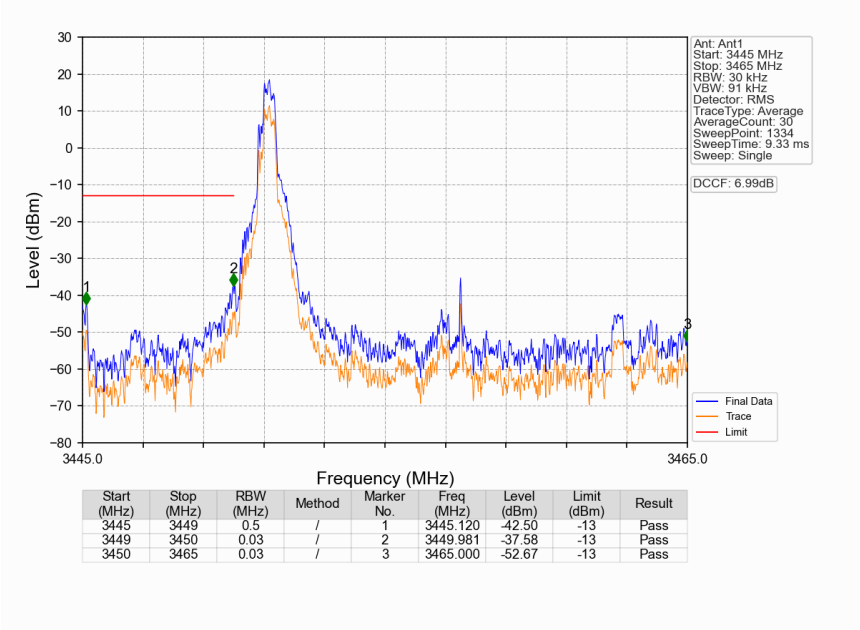
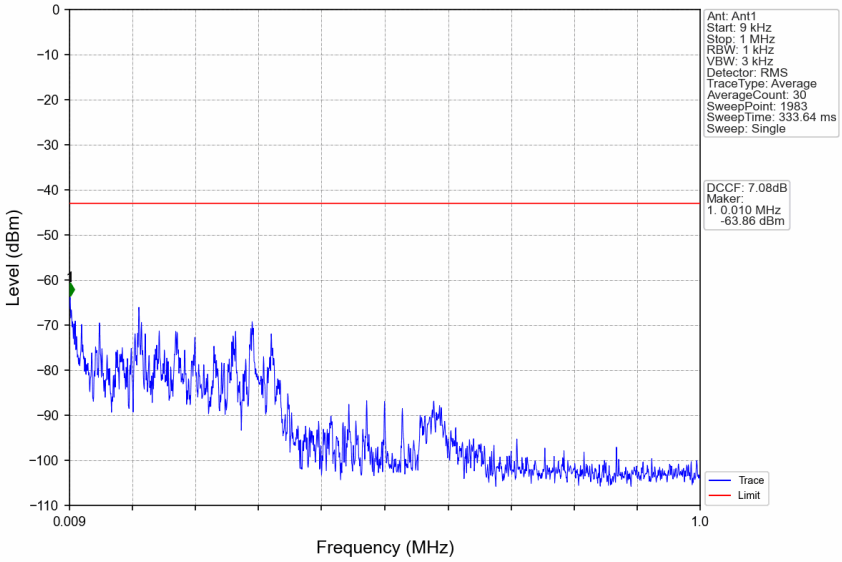
n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3457.5MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	/	1	3445.120	-42.50	-13	Pass
3449	3450	0.03	/	2	3449.981	-37.58	-13	Pass
3450	3465	0.03	/	3	3465.000	-52.67	-13	Pass

n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



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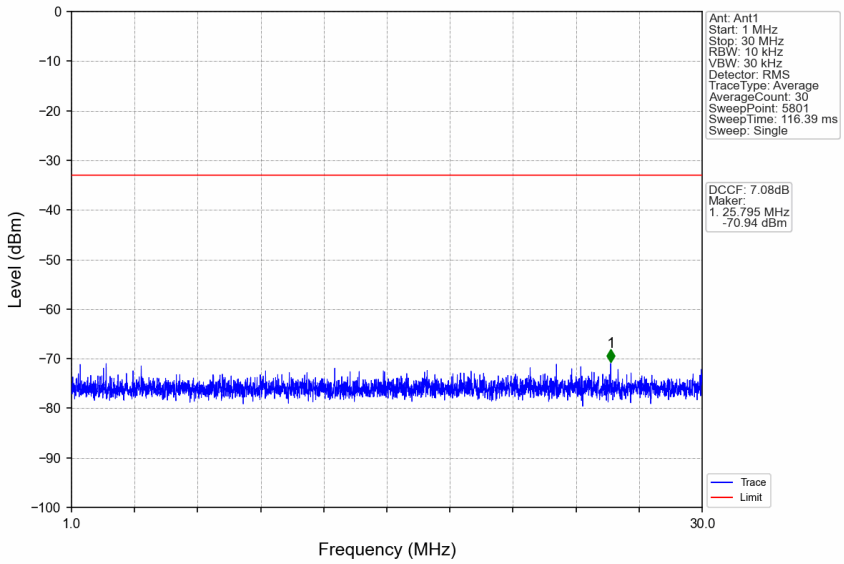
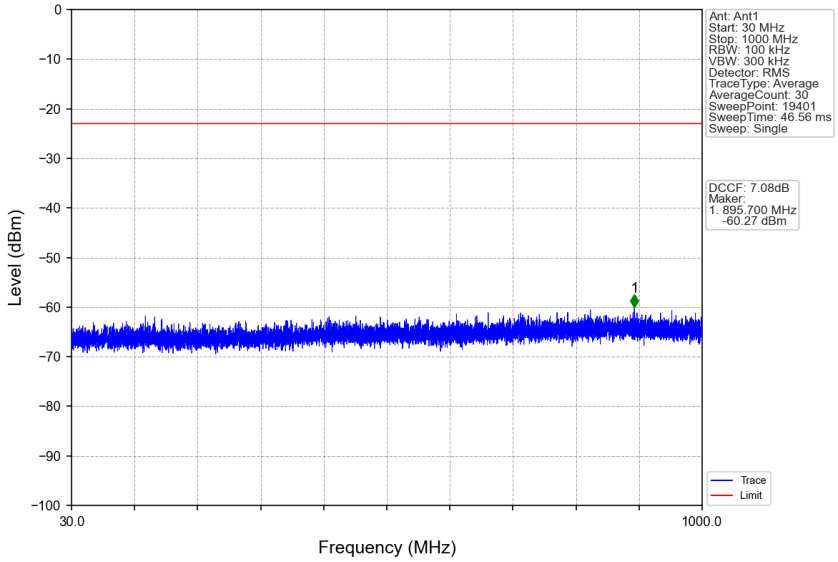
n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



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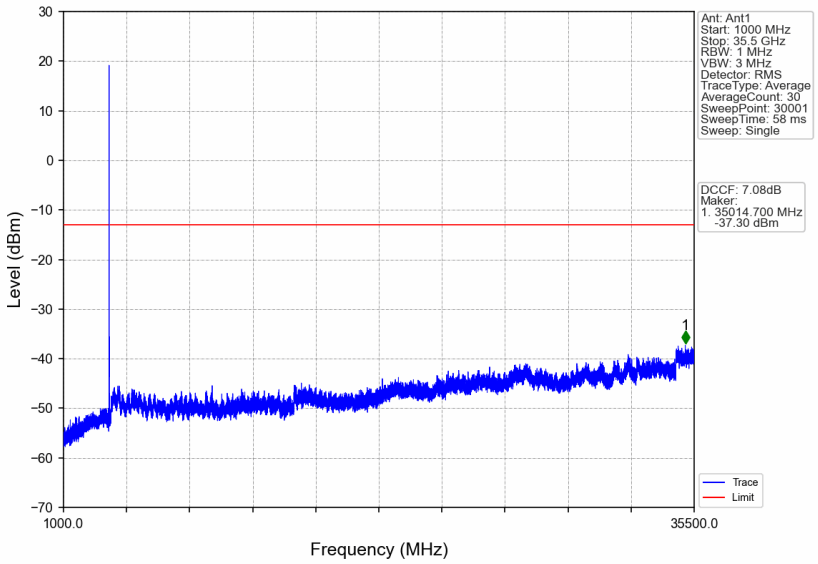
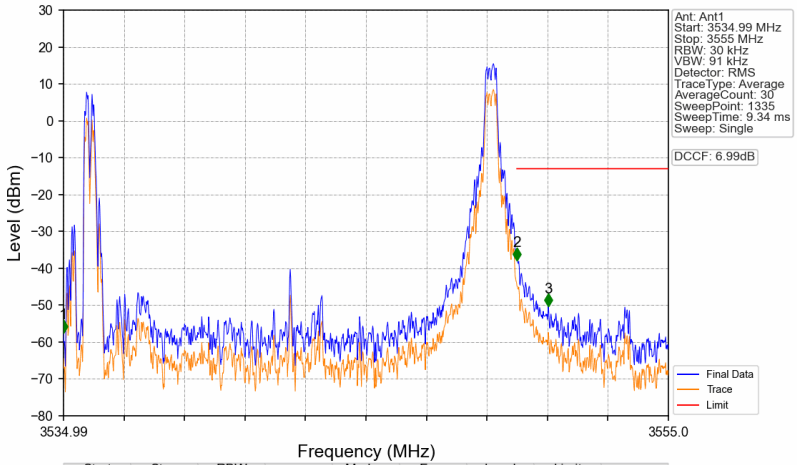
n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3542.49MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.99	3549.99	0.03	/	1	3534.990	-57.41	-13	Pass
3549.99	3549.99	0.03	/	/	/	/	/	/
3549.99	3550.99	0.03	/	2	3549.990	-37.81	-13	Pass
3550.99	3554.99	0.5	/	3	3551.025	-50.38	-13	Pass

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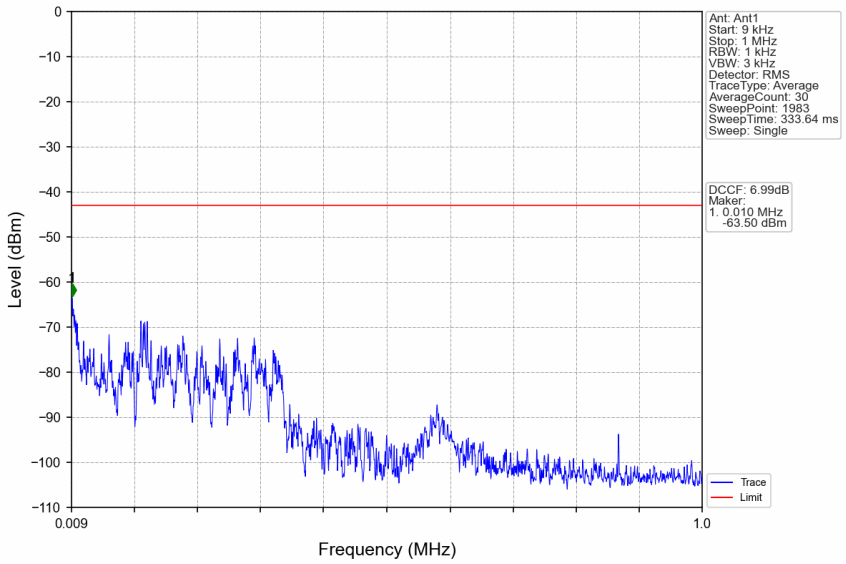
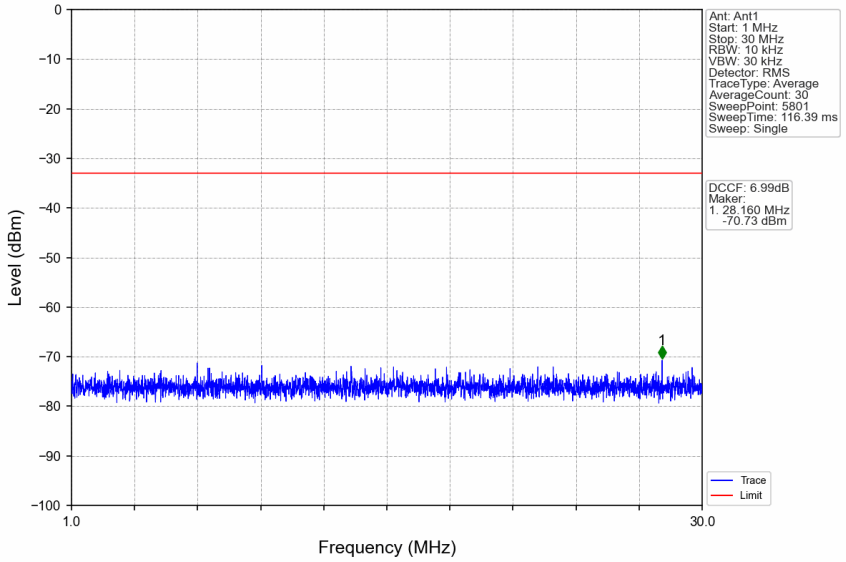
n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3542.49MHz_Edge_1RB_Right



n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3542.49MHz_Edge_1RB_Right



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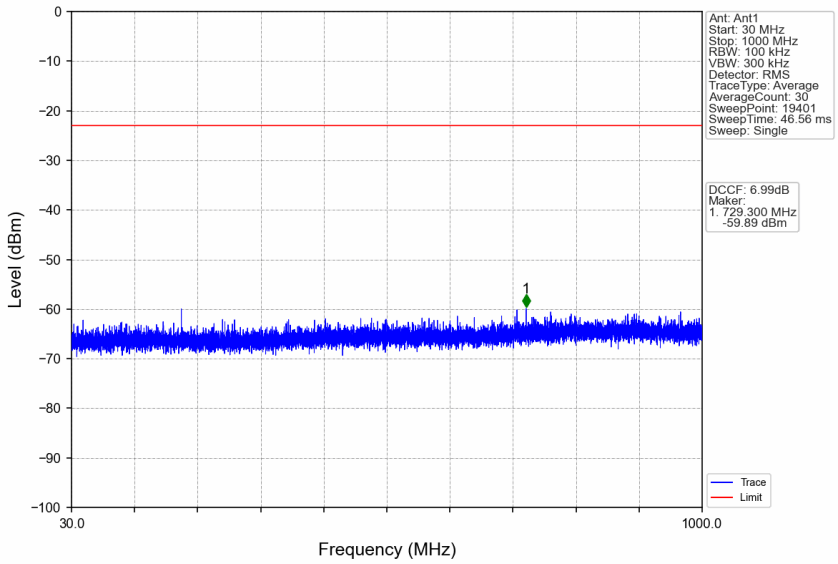
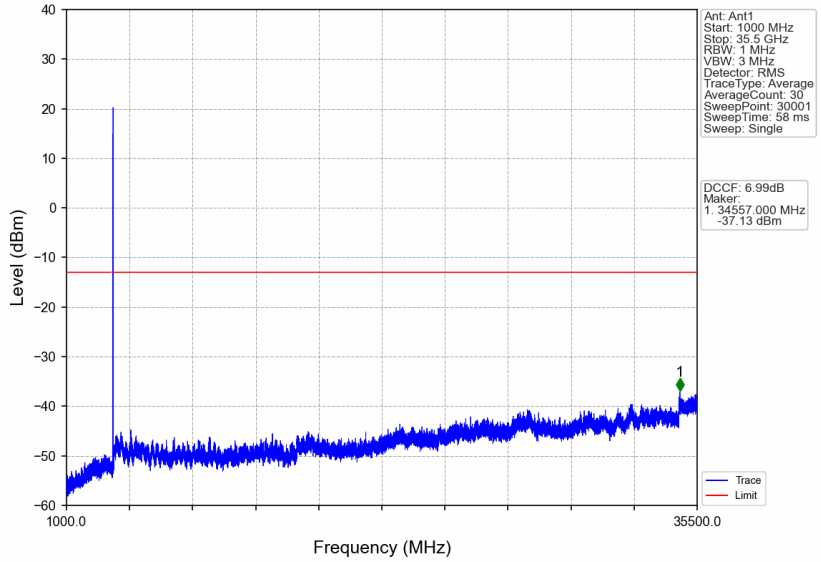
n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3542.49MHz_Edge_1RB_Right



n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3542.49MHz_Edge_1RB_Right



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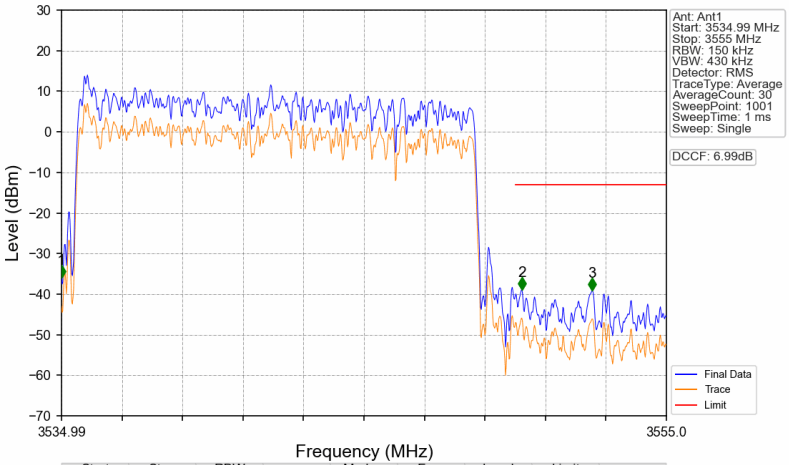
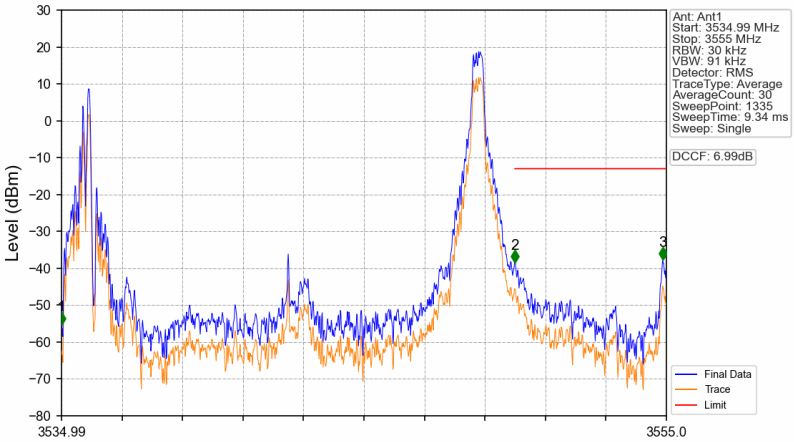
n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3542.49MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.99	3549.99	0.15	/	1	3534.990	-35.98	-13	Pass
3549.99	3549.99	0.15	/	/	/	/	/	/
3549.99	3550.99	0.15	/	2	3550.218	-38.93	-13	Pass
3550.99	3554.99	0.5	/	3	3552.539	-39.14	-13	Pass

n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3542.49MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.99	3549.99	0.03	/	1	3534.990	-55.29	-13	Pass
3549.99	3549.99	0.03	/	/	/	/	/	/
3549.99	3550.99	0.03	/	2	3549.990	-38.54	-13	Pass
3550.99	3554.99	0.5	/	3	3554.880	-37.74	-13	Pass

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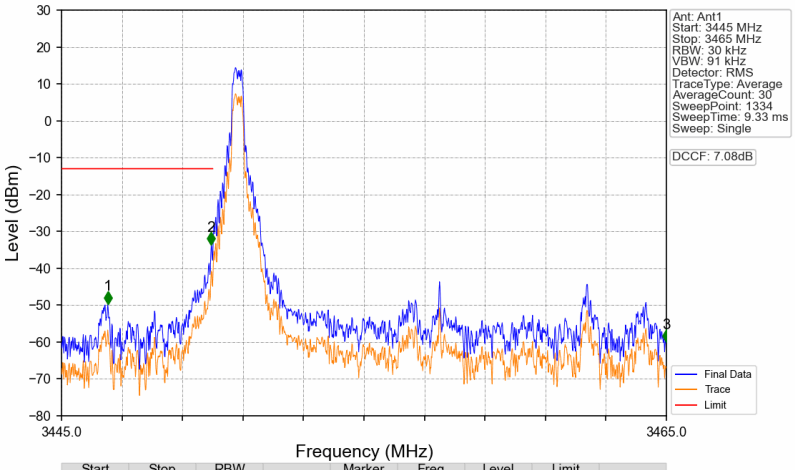
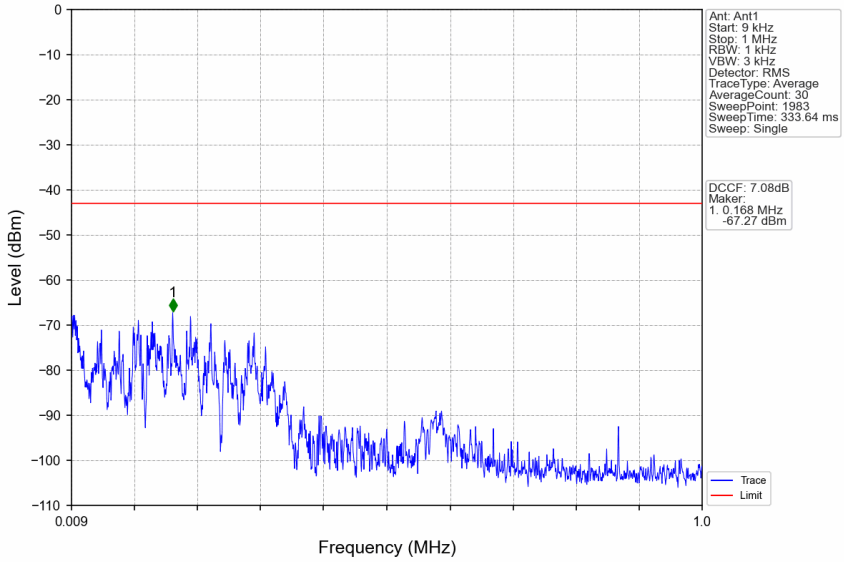


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	/	1	3446.530	-49.65	-13	Pass
3449	3450	0.03	/	2	3449.951	-33.69	-13	Pass
3450	3465	0.03	/	3	3465.000	-60.03	-13	Pass

n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3457.5MHz_Edge_1RB_Left



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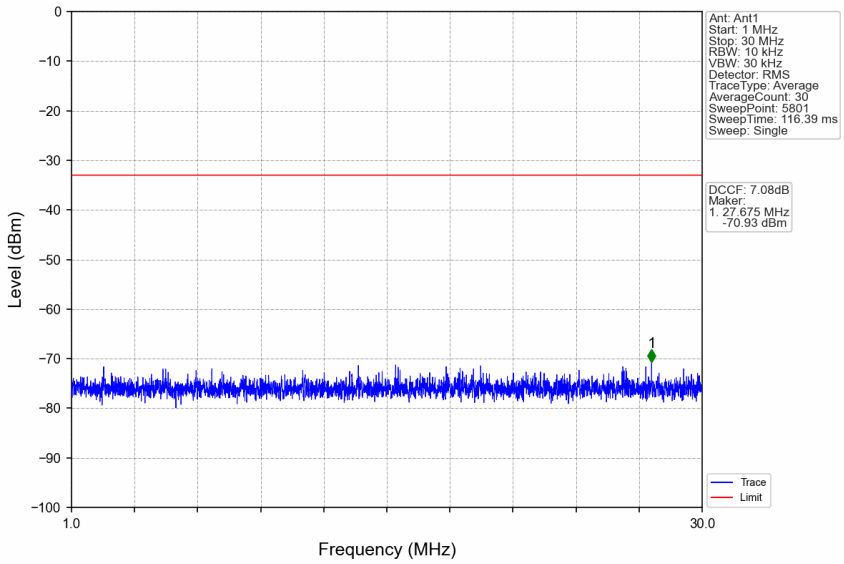

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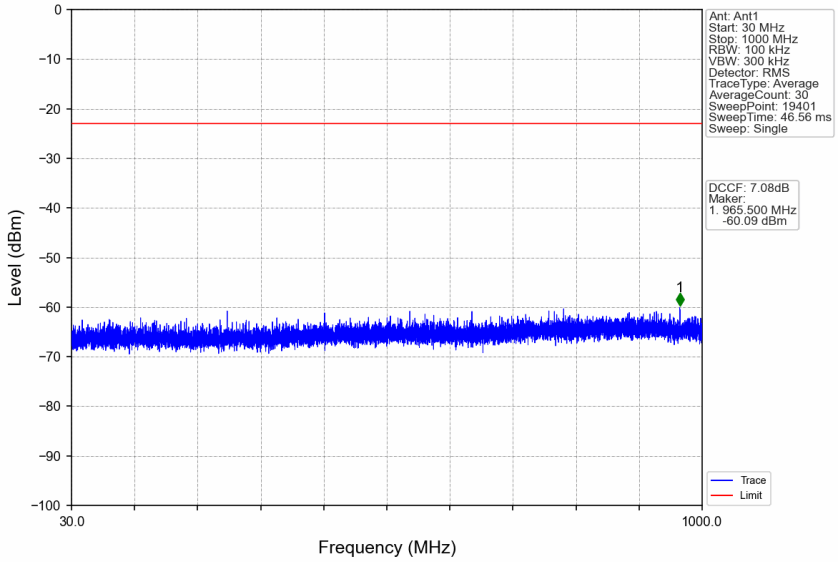

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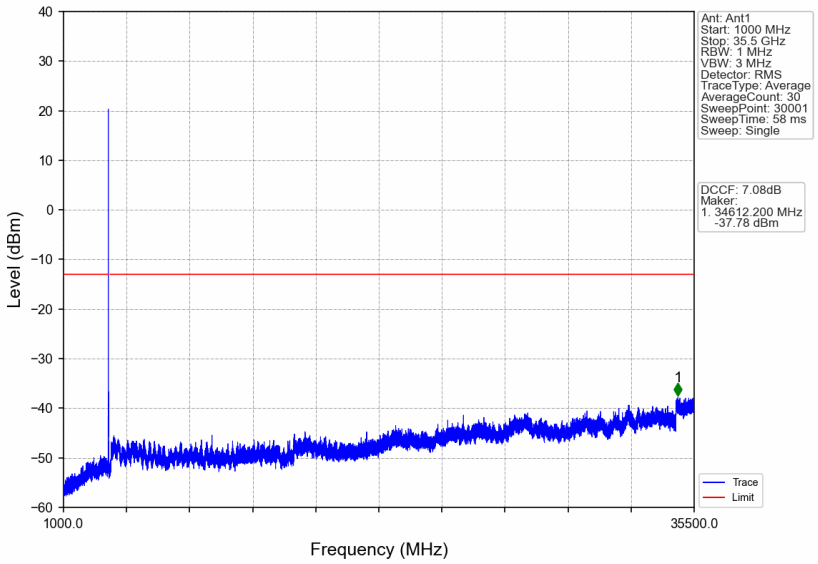
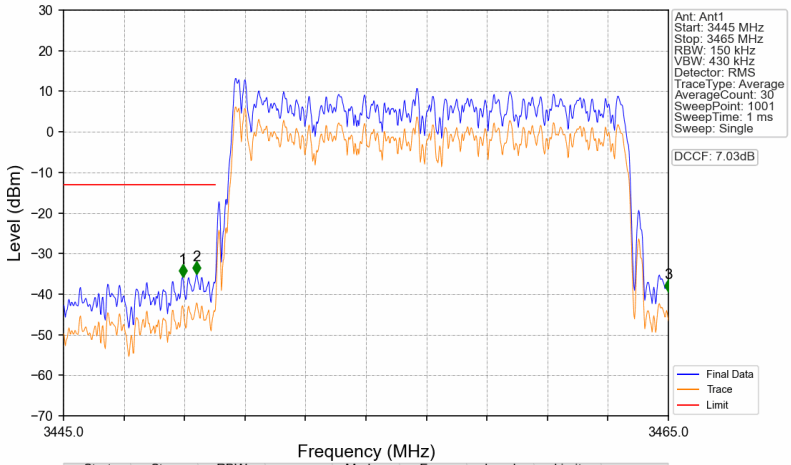
n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3457.5MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3457.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	/	1	3448.940	-35.84	-13	Pass
3449	3450	0.15	/	2	3449.400	-35.14	-13	Pass
3450	3465	0.15	/	3	3465.000	-39.54	-13	Pass

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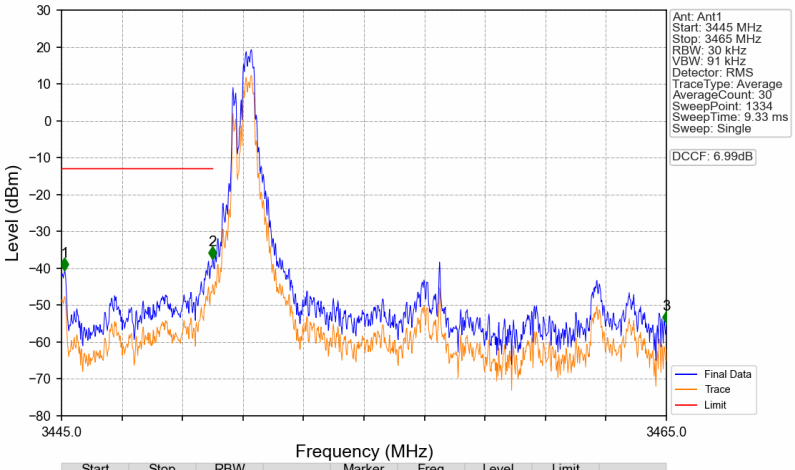
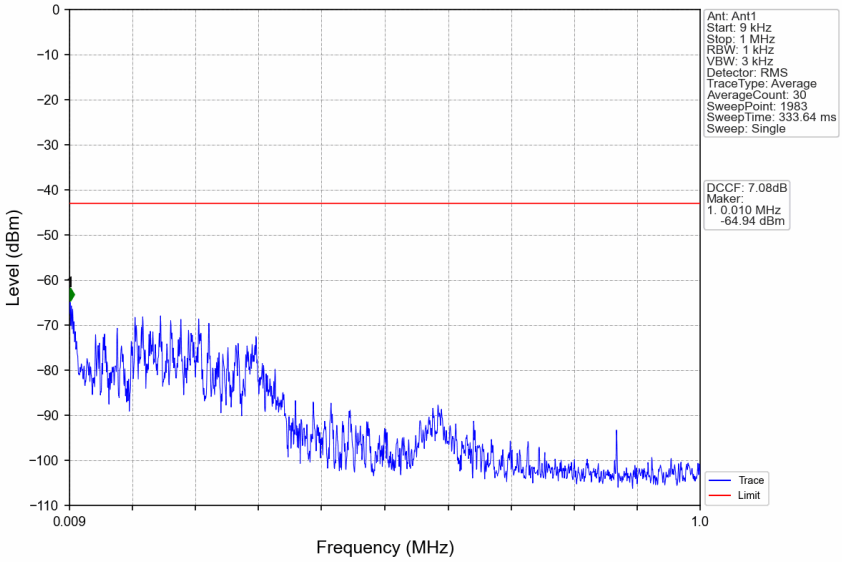
n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3457.5MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	/	1	3445.105	-40.69	-13	Pass
3449	3450	0.03	/	2	3449.996	-37.50	-13	Pass
3450	3465	0.03	/	3	3465.000	-54.97	-13	Pass

n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3500.01MHz_Edge_1RB_Left



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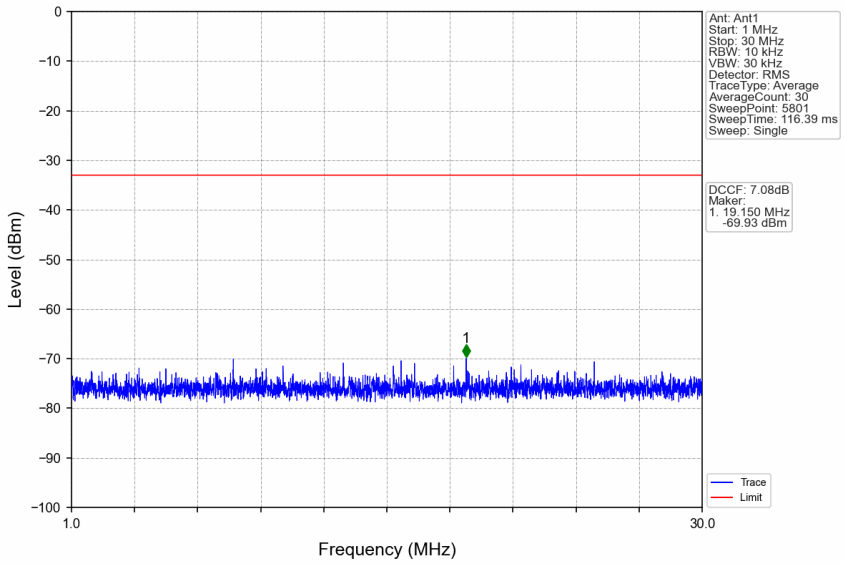

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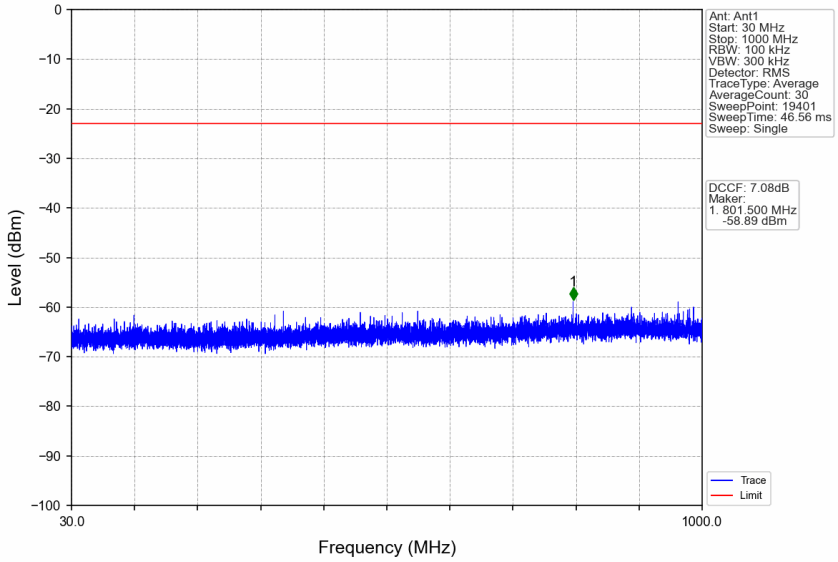

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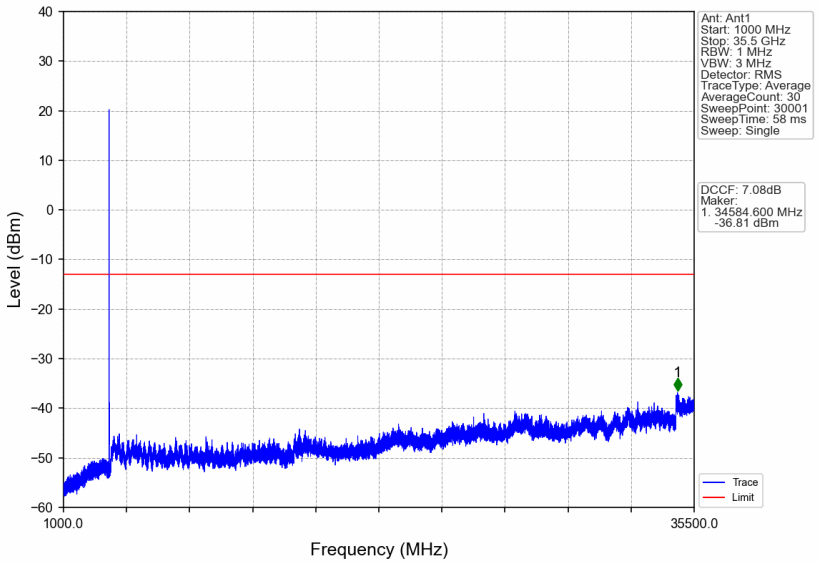
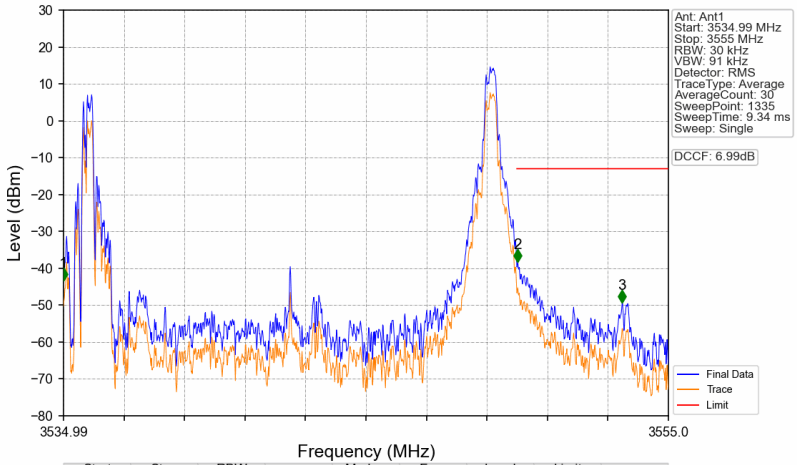


n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3542.49MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.99	3549.99	0.03	/	1	3534.990	-43.33	-13	Pass
3549.99	3549.99	0.03	/	/	/	/	/	/
3549.99	3550.99	0.03	/	2	3550.020	-38.31	-13	Pass
3550.99	3554.99	0.5	/	3	3553.470	-49.35	-13	Pass

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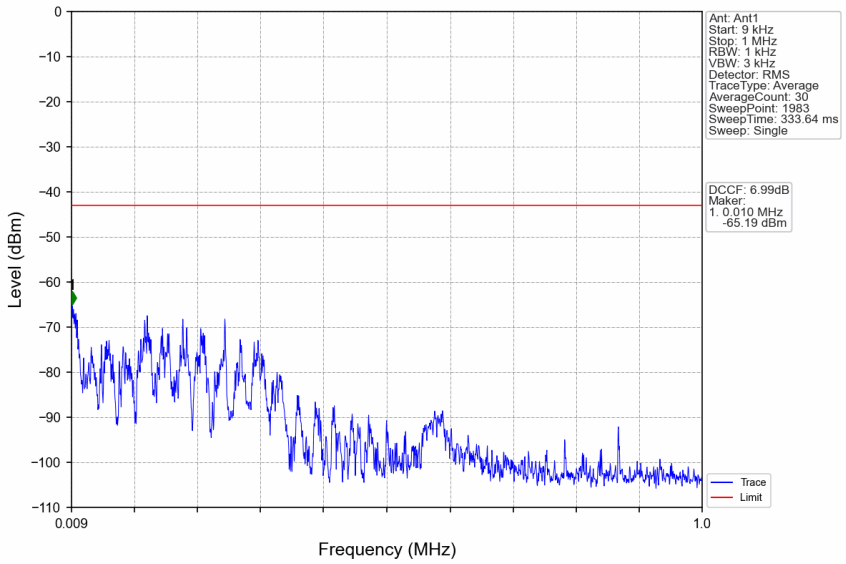
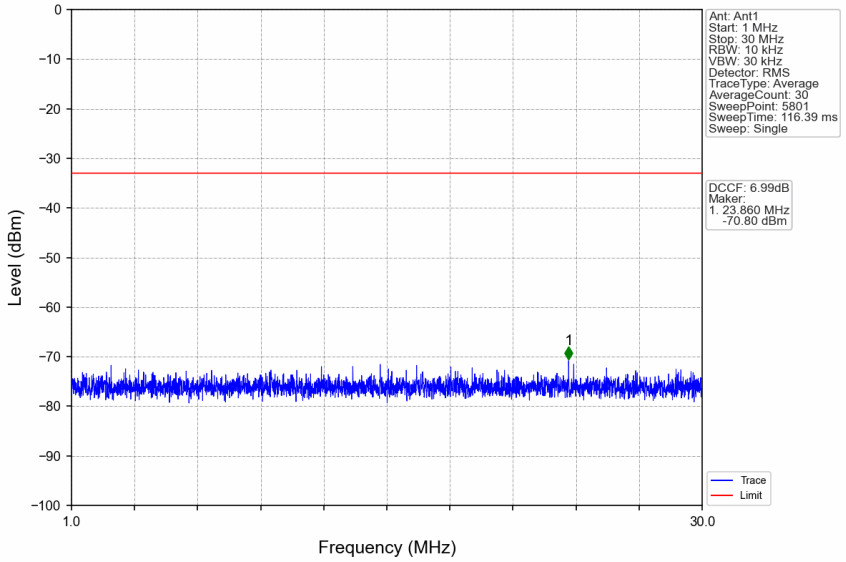
n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3542.49MHz_Edge_1RB_Right



n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3542.49MHz_Edge_1RB_Right



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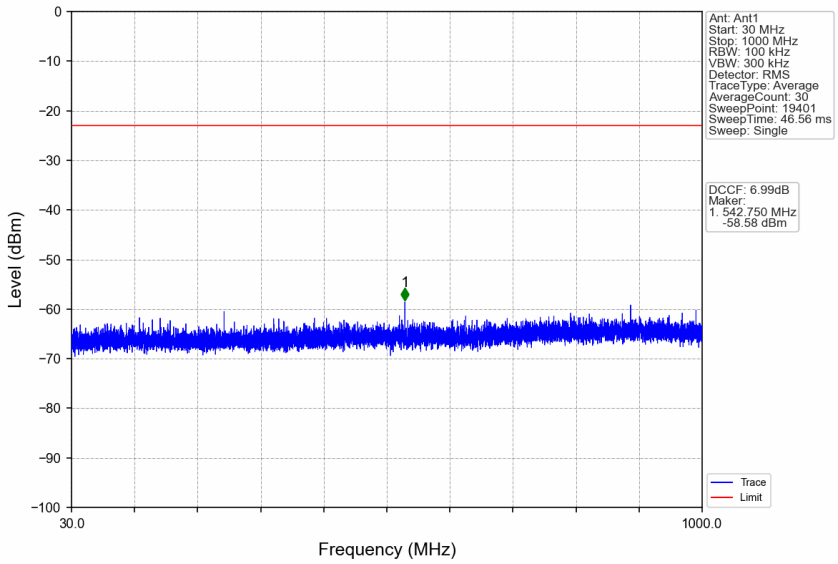

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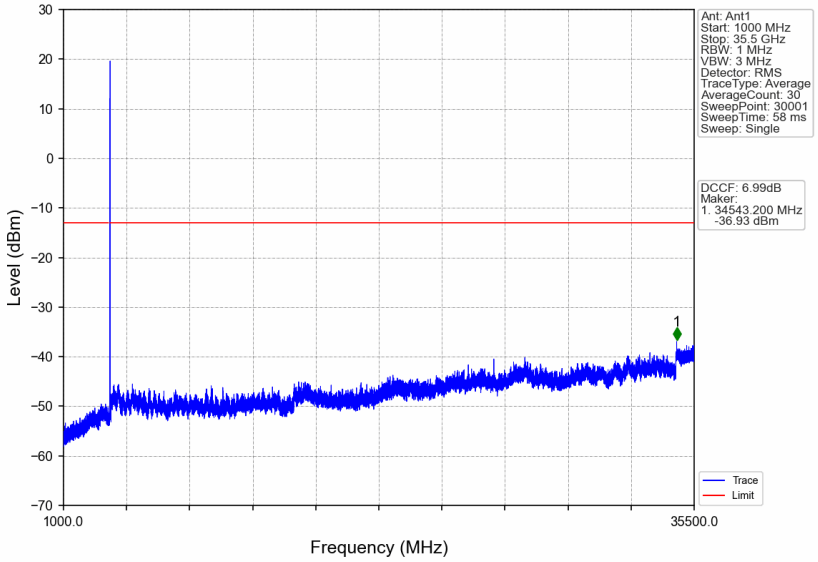

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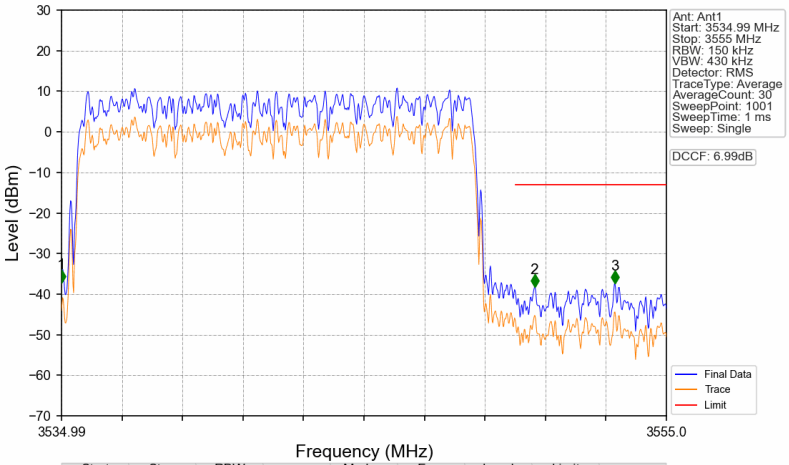
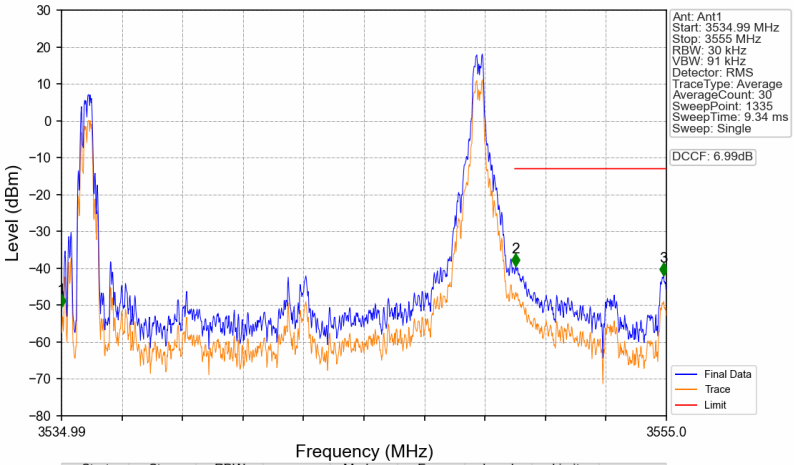


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.99	3549.99	0.15	/	1	3534.990	-37.12	-13	Pass
3549.99	3549.99	0.15	/	/	/	/	/	/
3549.99	3550.99	0.15	/	2	3550.638	-38.28	-13	Pass
3550.99	3554.99	0.5	/	3	3553.299	-37.41	-13	Pass

n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3542.49MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.99	3549.99	0.03	/	1	3534.990	-50.59	-13	Pass
3549.99	3549.99	0.03	/	/	/	/	/	/
3549.99	3550.99	0.03	/	2	3550.020	-39.49	-13	Pass
3550.99	3554.99	0.5	/	3	3554.910	-41.97	-13	Pass

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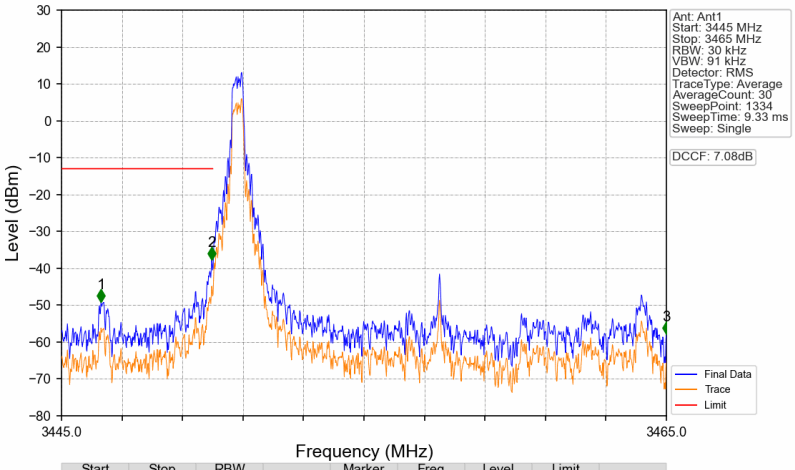
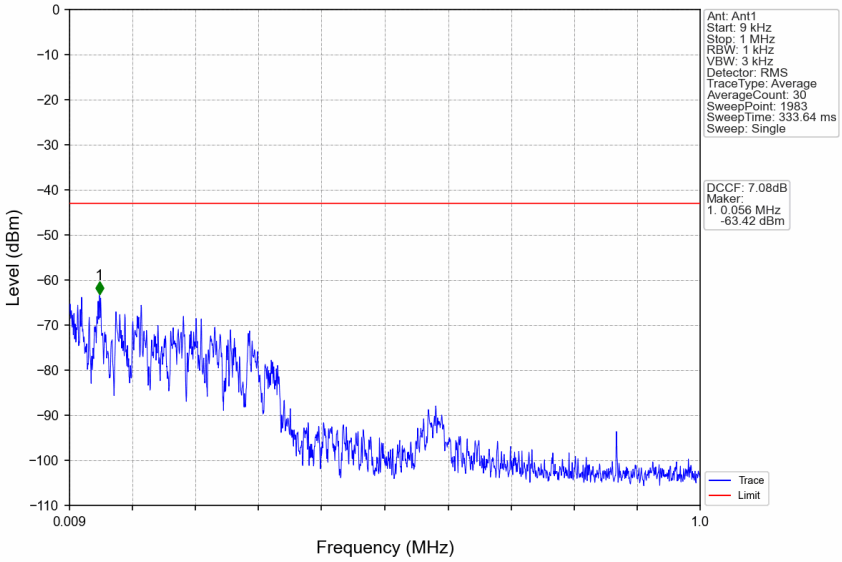


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	/	1	3446.305	-49.14	-13	Pass
3449	3450	0.03	/	2	3449.966	-37.79	-13	Pass
3450	3465	0.03	/	3	3465.000	-57.84	-13	Pass

n77d_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3457.5MHz_Edge_1RB_Left



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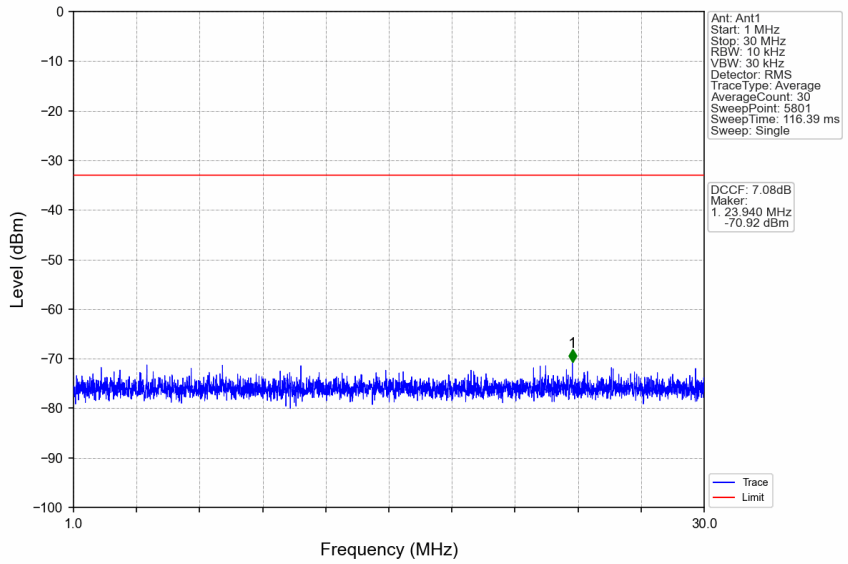

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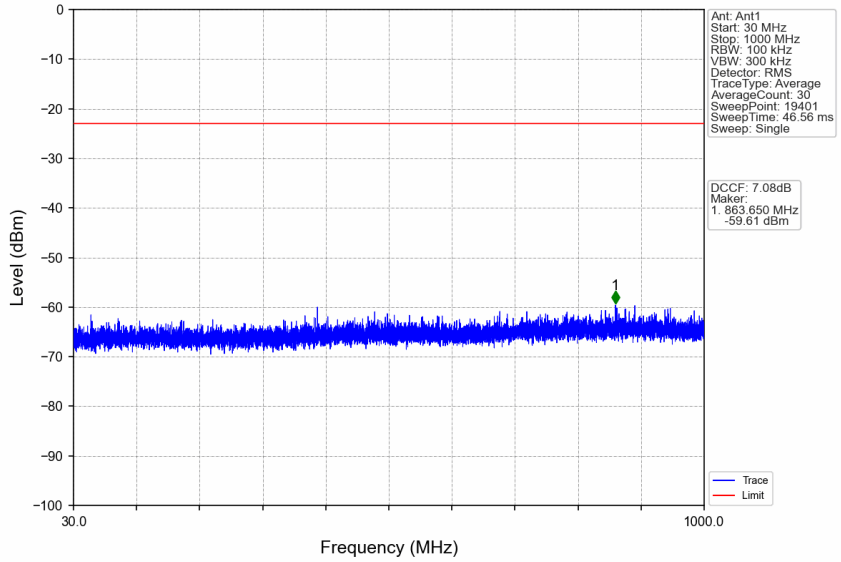

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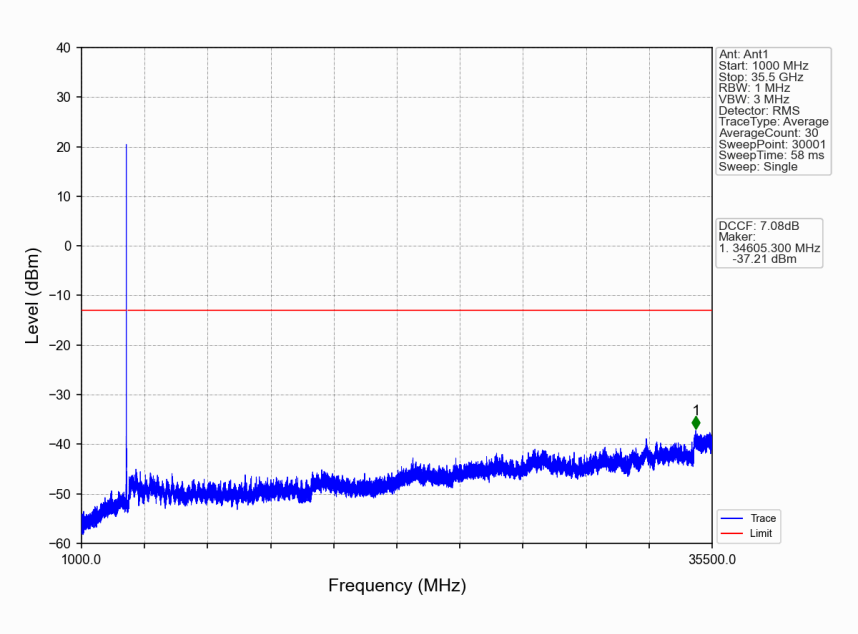
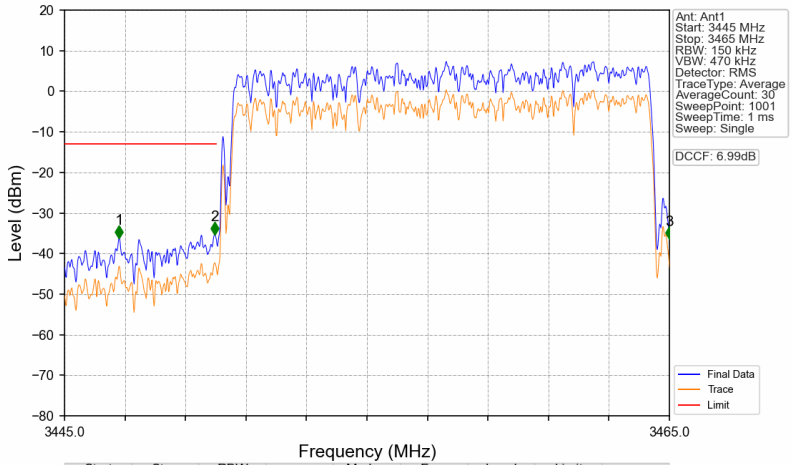
n77d_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3457.5MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3457.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	/	1	3446.800	-36.17	-13	Pass
3449	3450	0.15	/	2	3449.960	-35.29	-13	Pass
3450	3465	0.15	/	3	3465.000	-36.38	-13	Pass

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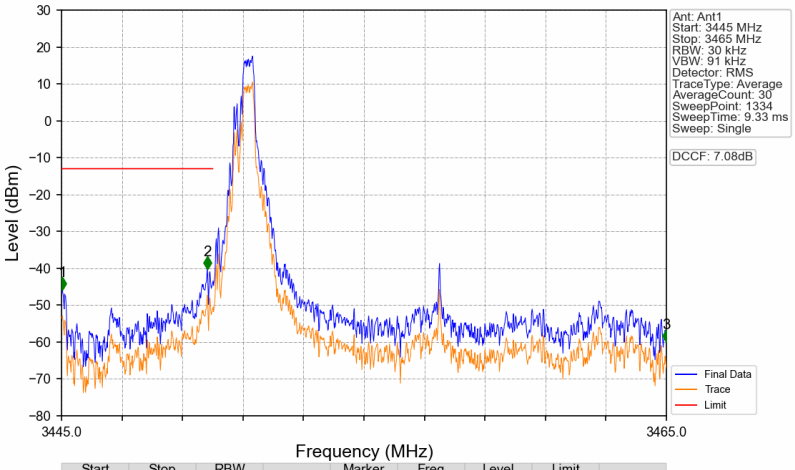
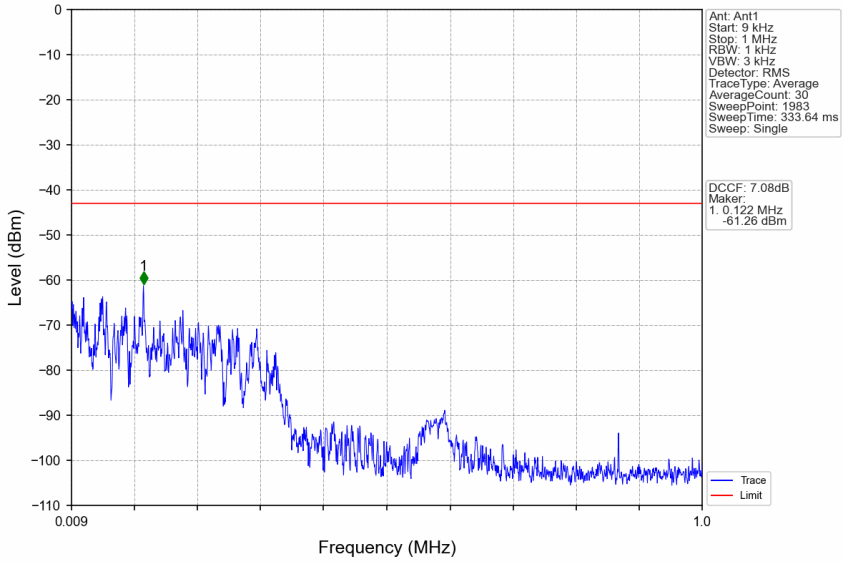
n77d_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3457.5MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	/	1	3445.030	-45.86	-13	Pass
3449	3450	0.03	/	2	3449.816	-40.19	-13	Pass
3450	3465	0.03	/	3	3465.000	-60.00	-13	Pass

n77d_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3500.01MHz_Edge_1RB_Left



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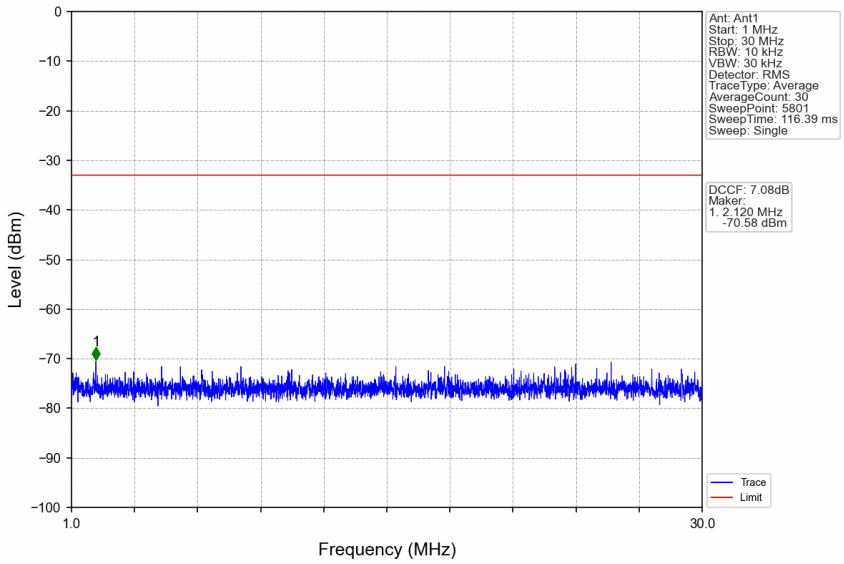
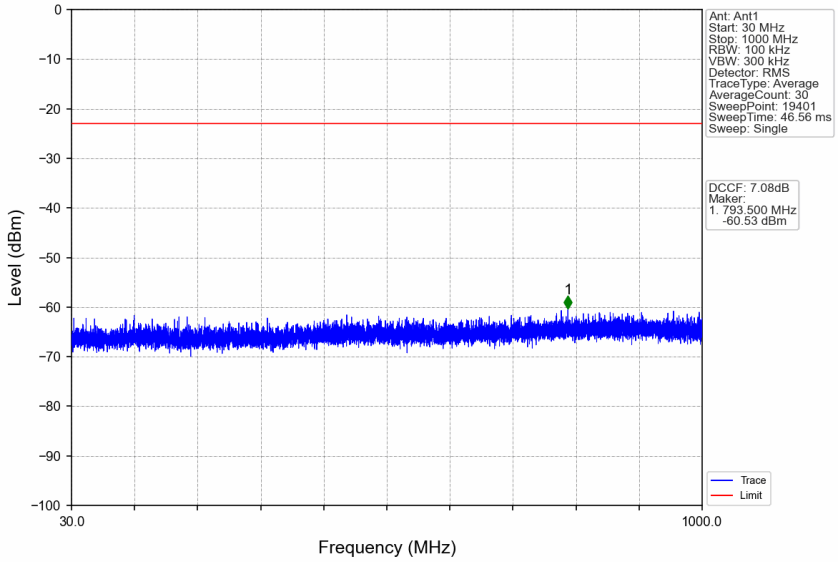


n77d_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3500.01MHz_Edge_1RB_Left



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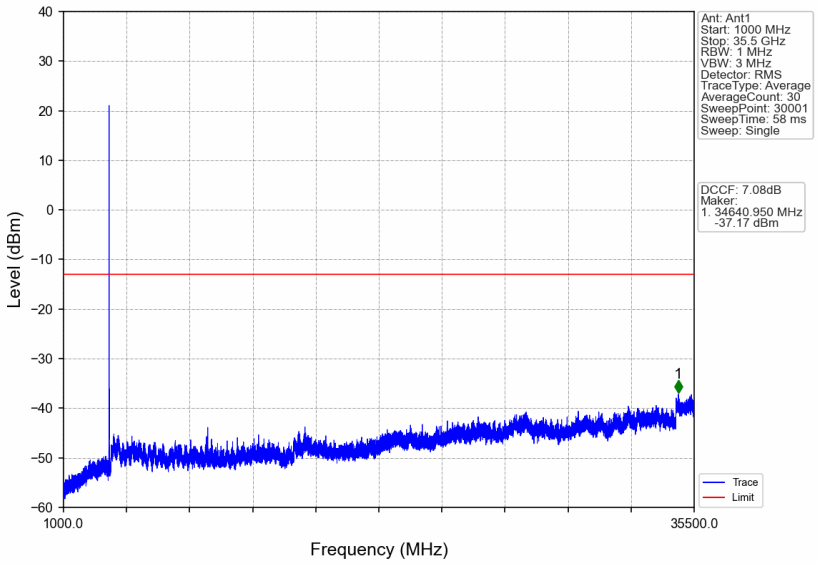
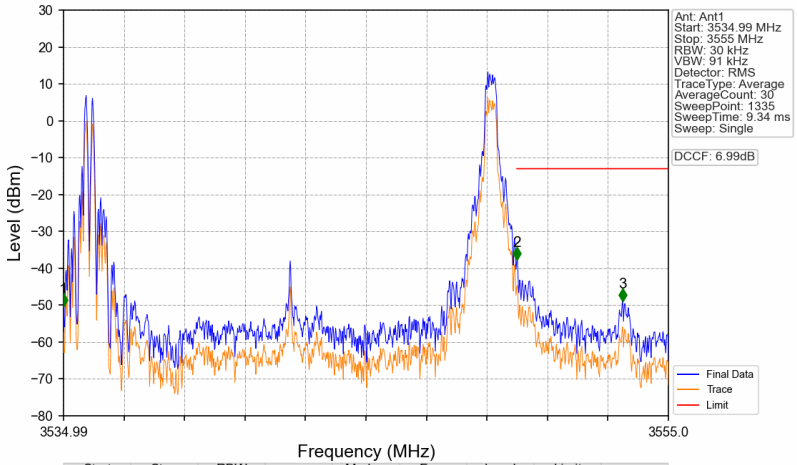


n77d_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3542.49MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.99	3549.99	0.03	/	1	3534.990	-50.31	-13	Pass
3549.99	3549.99	0.03	/	/	/	/	/	/
3549.99	3550.99	0.03	/	2	3549.990	-37.67	-13	Pass
3550.99	3554.99	0.5	/	3	3553.485	-48.94	-13	Pass

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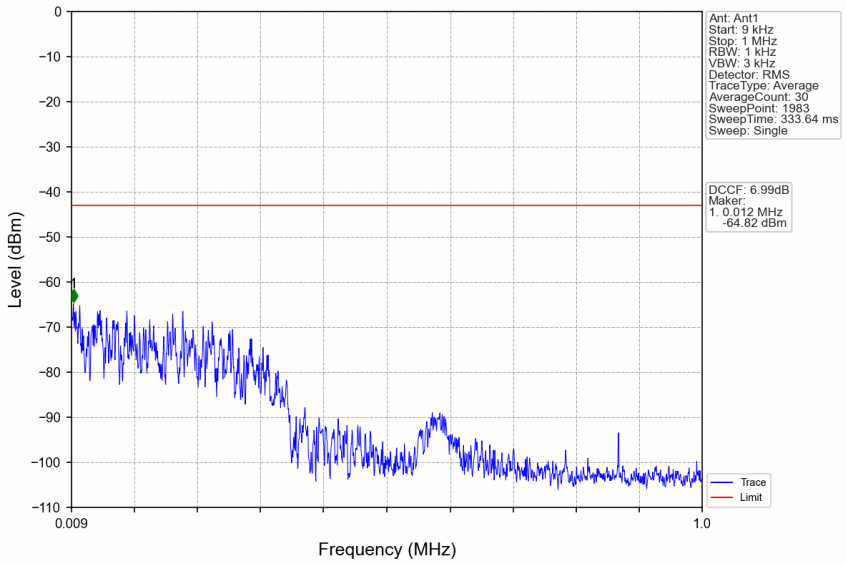
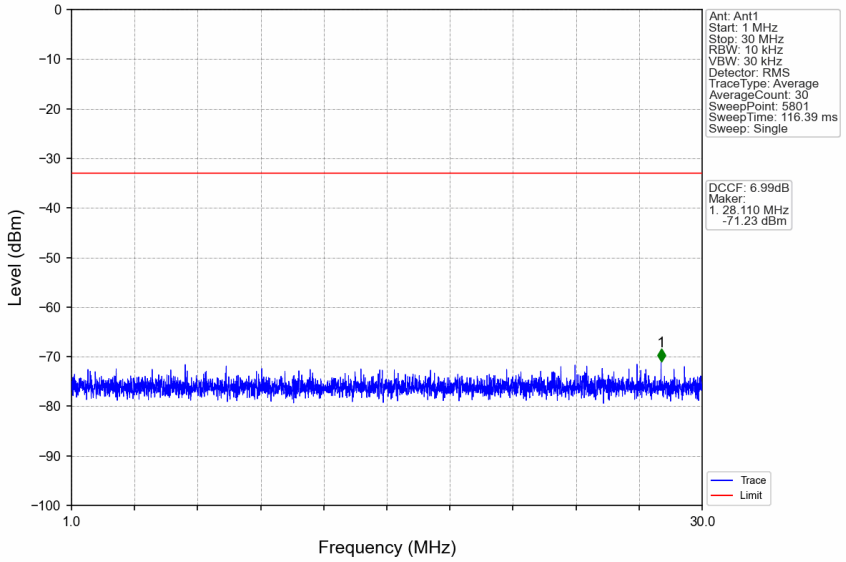
n77d_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3542.49MHz_Edge_1RB_Right



n77d_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3542.49MHz_Edge_1RB_Right



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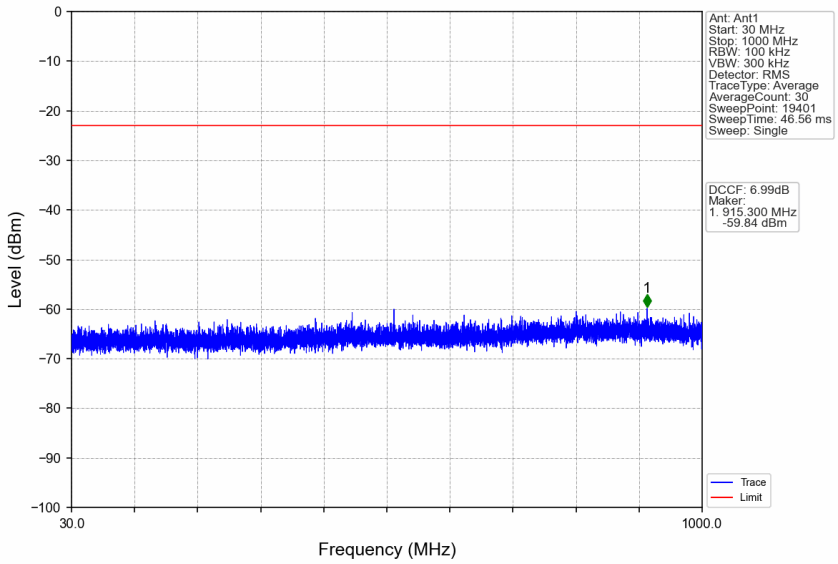
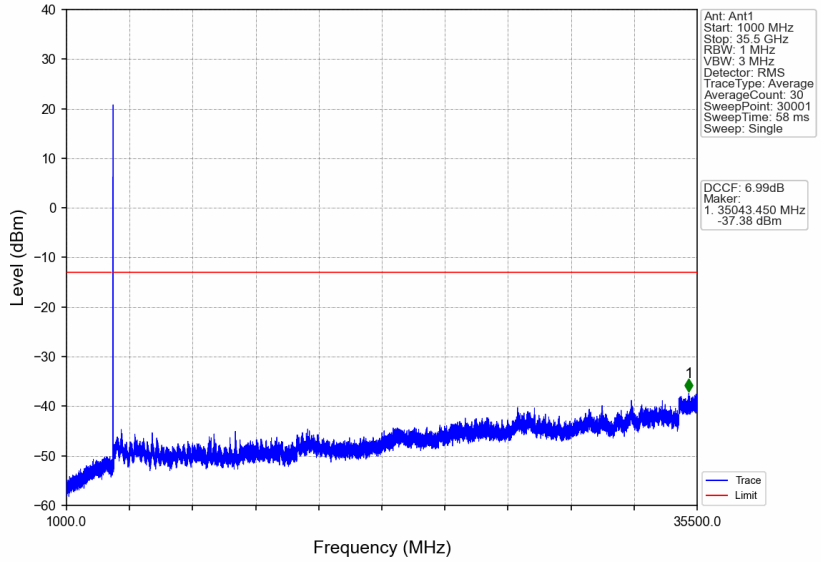
n77d_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3542.49MHz_Edge_1RB_Right



n77d_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3542.49MHz_Edge_1RB_Right



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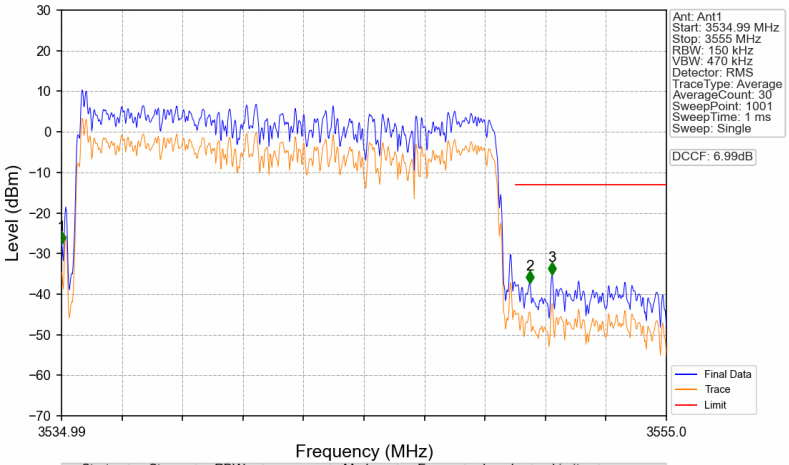
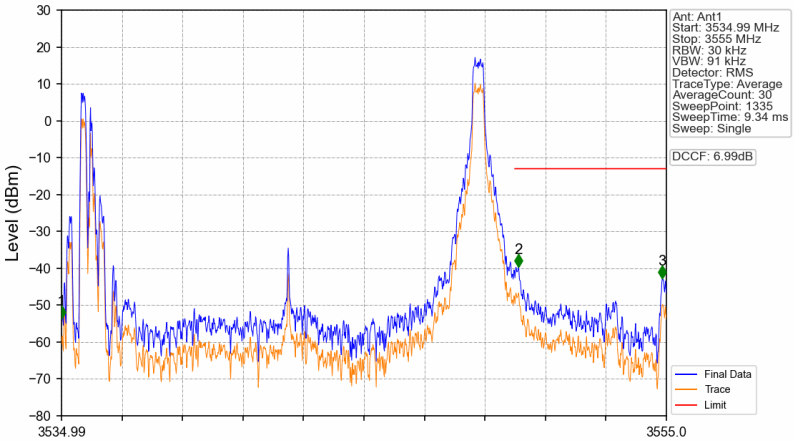


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.99	3549.99	0.15	/	1	3534.990	-27.69	-13	Pass
3549.99	3549.99	0.15	/	/	/	/	/	/
3549.99	3550.99	0.15	/	2	3550.478	-37.37	-13	Pass
3550.99	3554.99	0.5	/	3	3551.218	-35.28	-13	Pass

n77d_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_3542.49MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3534.99	3549.99	0.03	/	1	3534.990	-53.60	-13	Pass
3549.99	3549.99	0.03	/	/	/	/	/	/
3549.99	3550.99	0.03	/	2	3550.110	-39.72	-13	Pass
3550.99	3554.99	0.5	/	3	3554.865	-42.80	-13	Pass

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6.10 30k_SISO_20MHz_NTNV

6.10.1 Test Result

5G NR n77d SCS=30kHz SISO 20MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3460.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
	3540	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	3460.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
	3540	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	3460.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
	3540	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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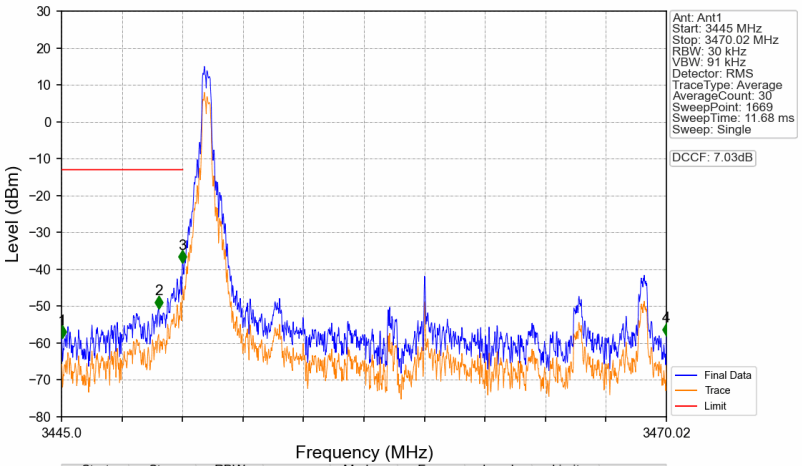
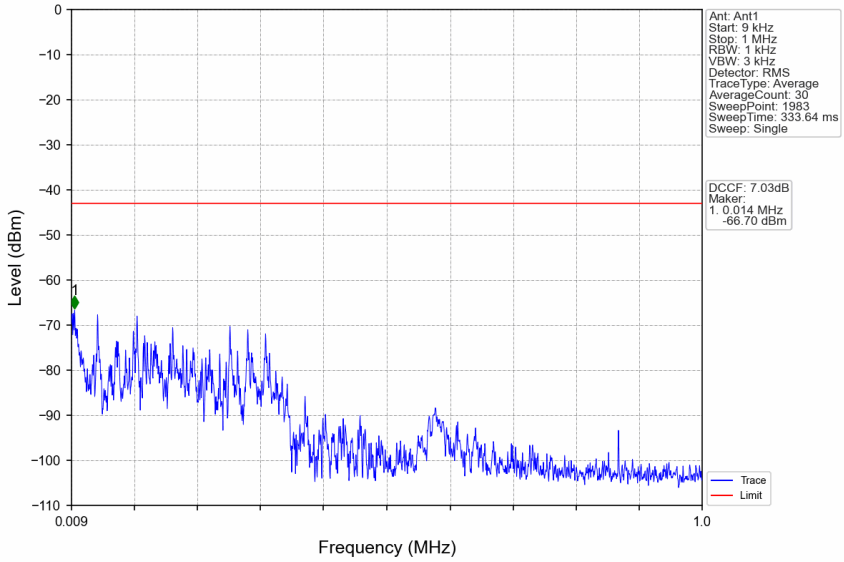
6.10.2 Test Graph

n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	/	1	3445.015	-58.74	-13	Pass
3445.02	3449.02	0.5	/	2	3449.020	-50.63	-13	Pass
3449.02	3450.02	0.03	/	3	3450.010	-38.28	-13	Pass
3450.02	3470.02	0.03	/	4	3470.020	-58.01	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Edge_1RB_Left



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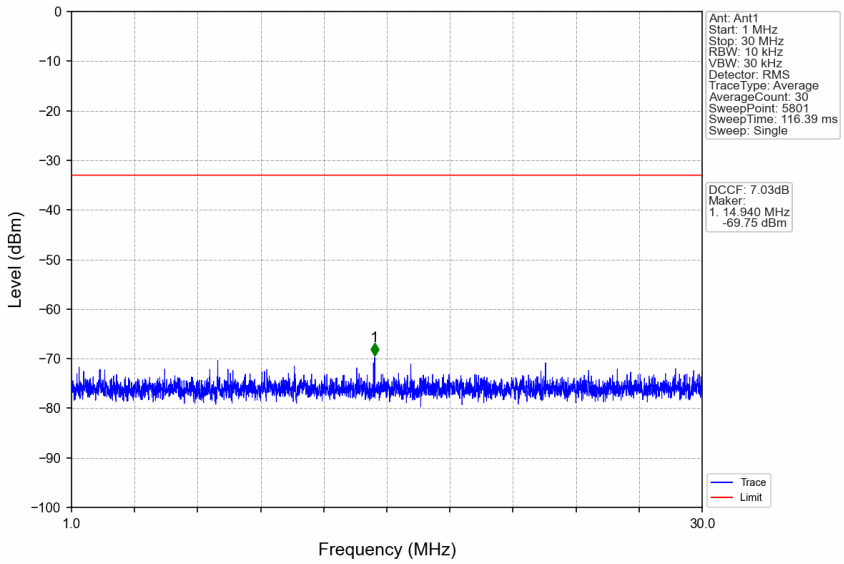

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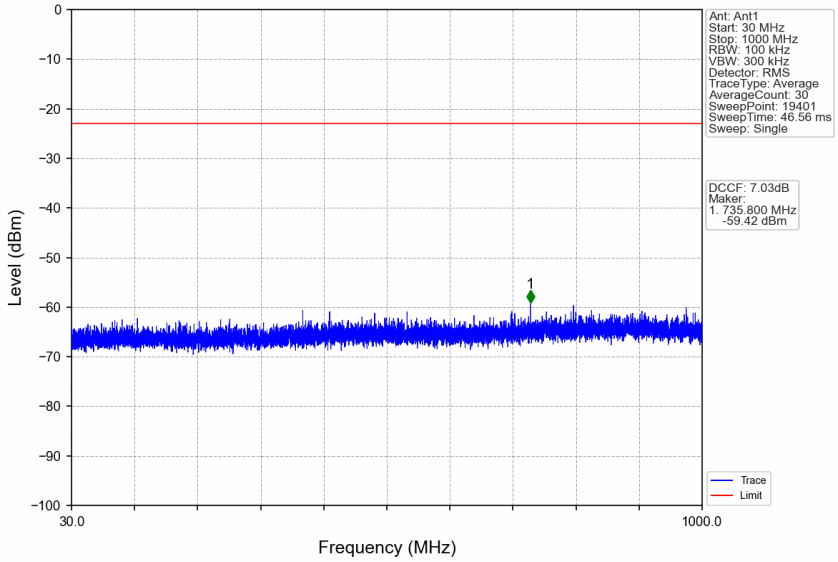

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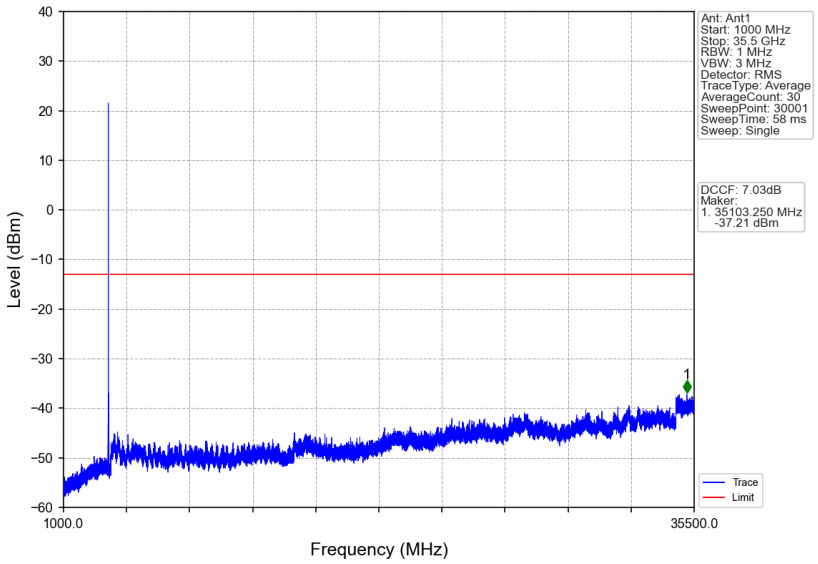
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Edge_1RB_Left



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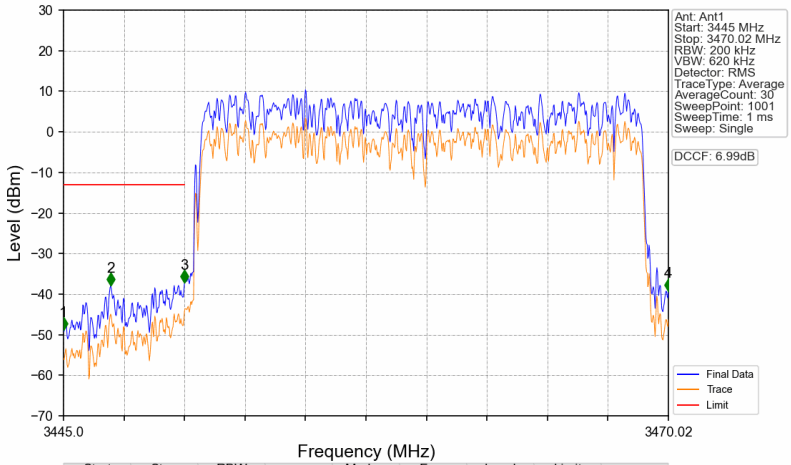

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	/	1	3445.000	-48.84	-13	Pass
3445.02	3449.02	0.5	/	2	3446.952	-37.95	-13	Pass
3449.02	3450.02	0.2	/	3	3450.004	-37.18	-13	Pass
3450.02	3470.02	0.2	/	4	3470.020	-39.24	-13	Pass

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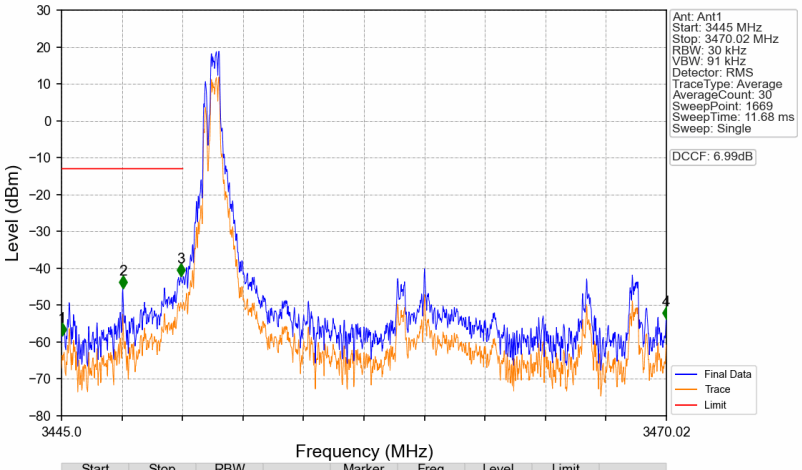
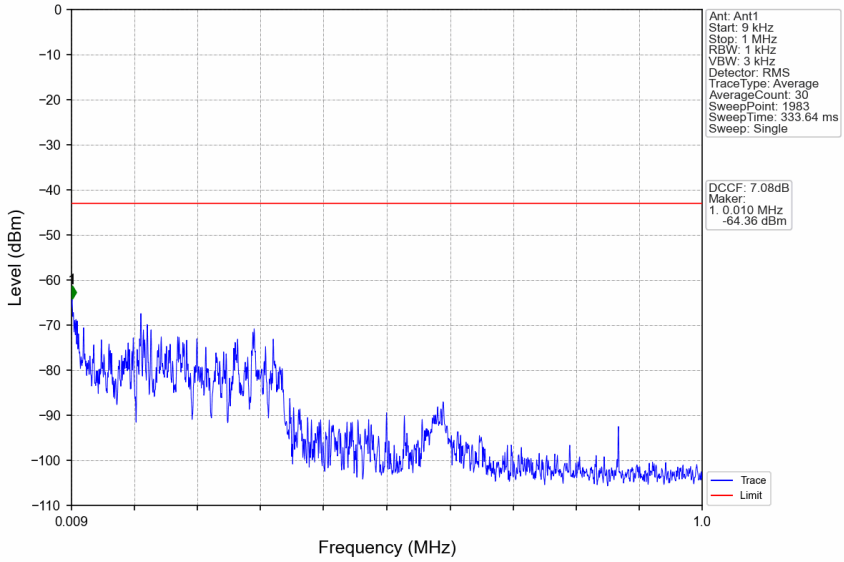
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	/	1	3445.015	-58.32	-13	Pass
3445.02	3449.02	0.5	/	2	3447.535	-45.54	-13	Pass
3449.02	3450.02	0.03	/	3	3449.935	-42.25	-13	Pass
3450.02	3470.02	0.03	/	4	3470.020	-53.75	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



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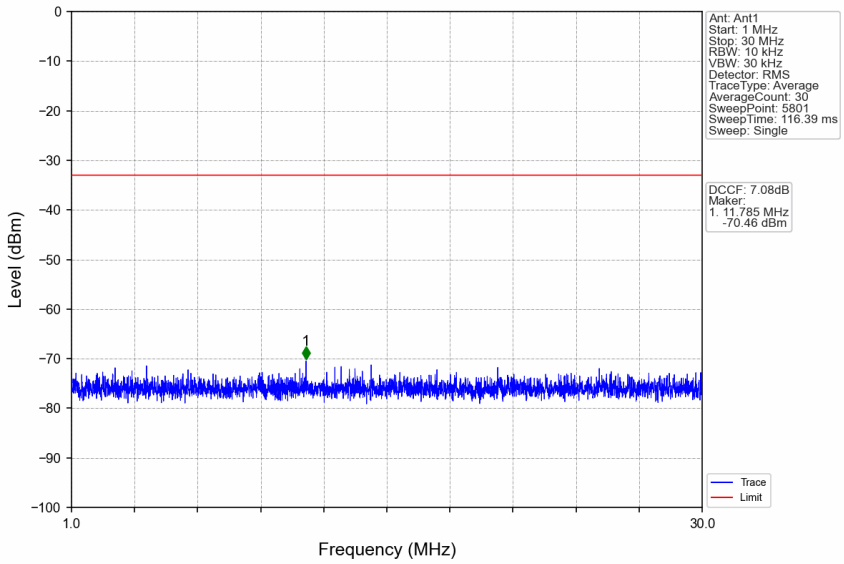

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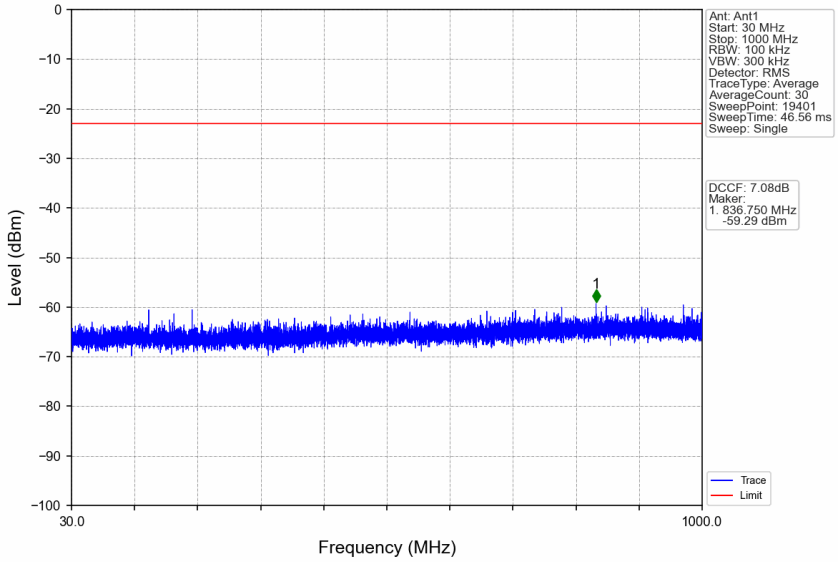

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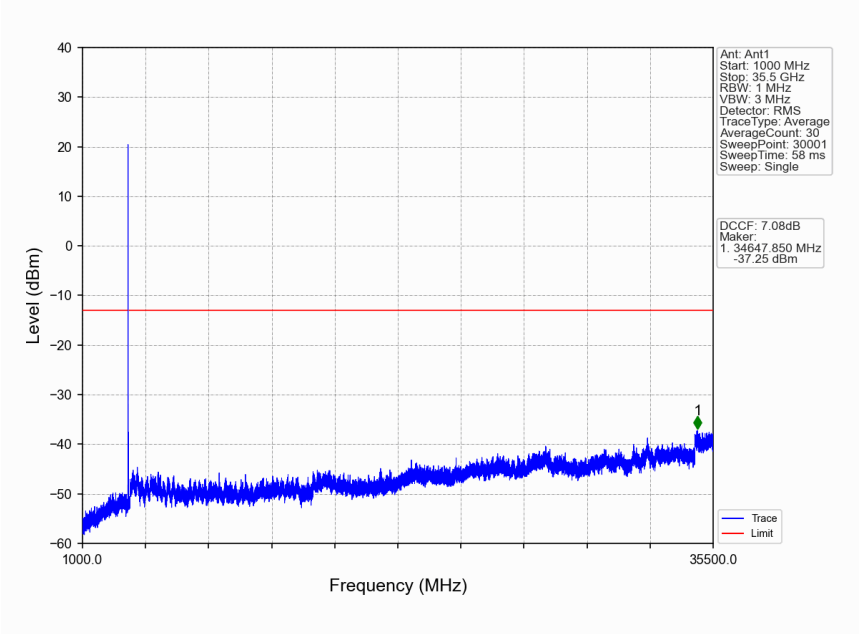
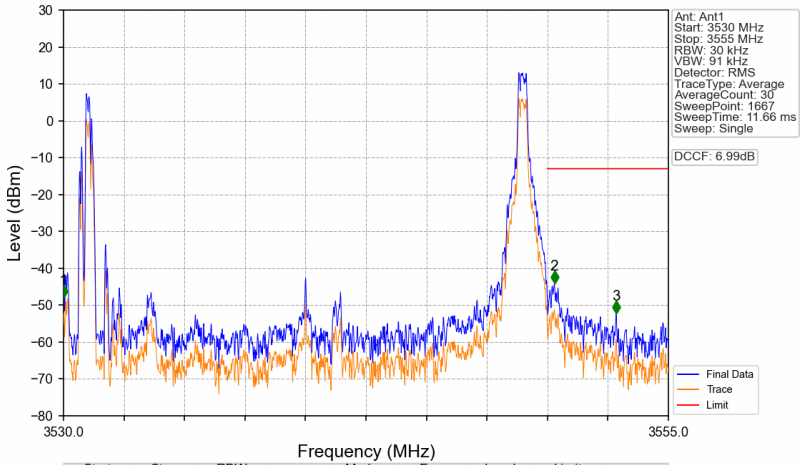


n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3540MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.03	/	1	3530.000	-48.08	-13	Pass
3550	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	2	3550.288	-44.19	-13	Pass
3551	3555	0.5	/	3	3552.839	-52.26	-13	Pass

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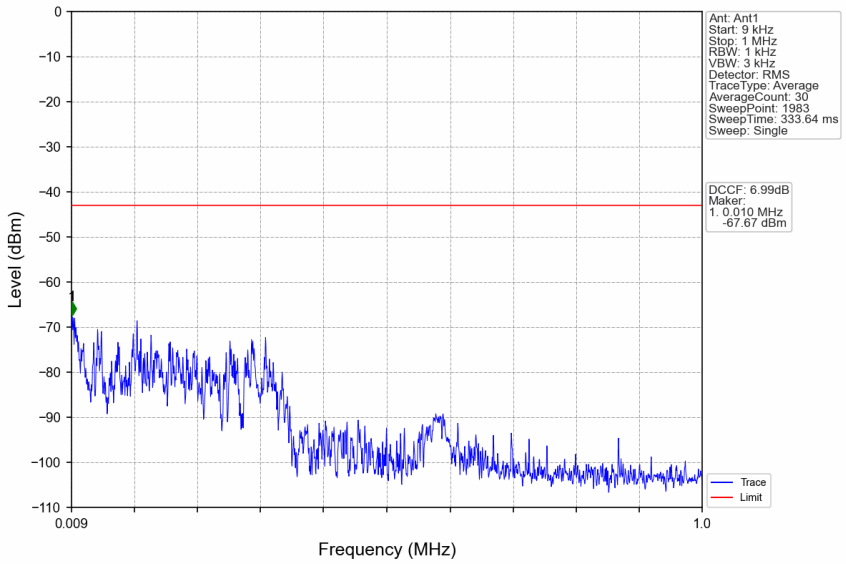

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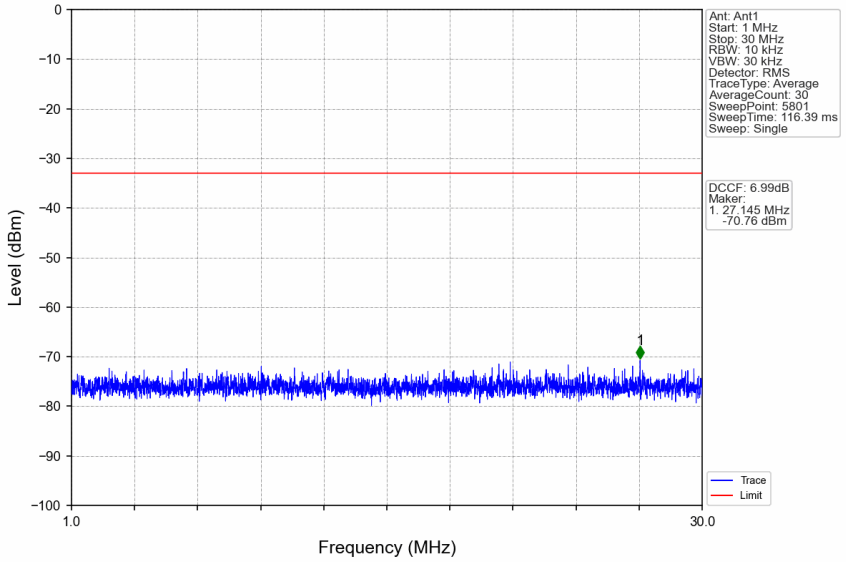

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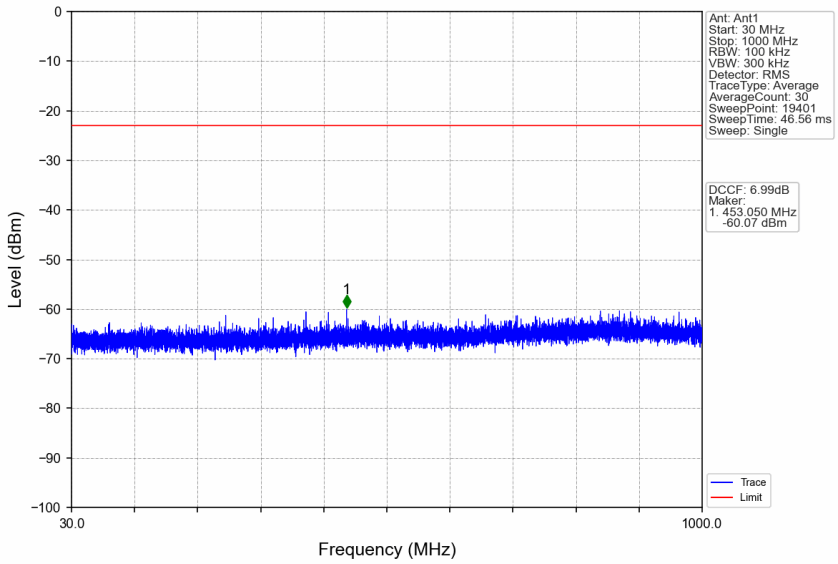

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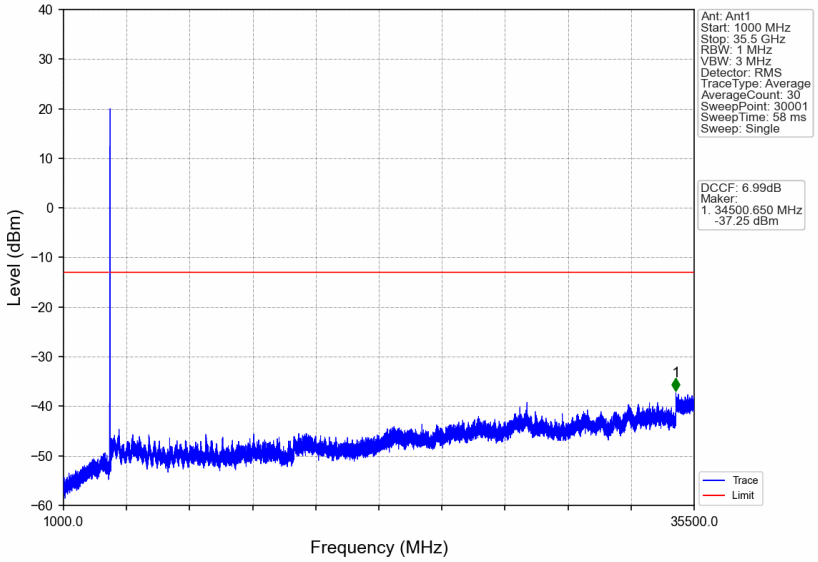

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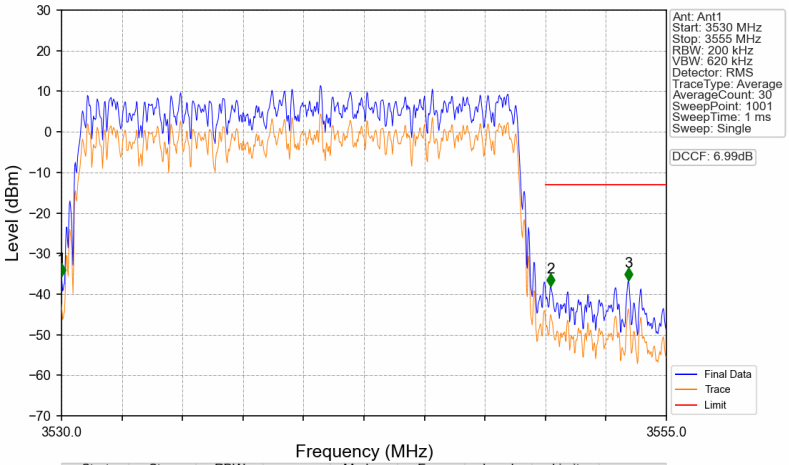
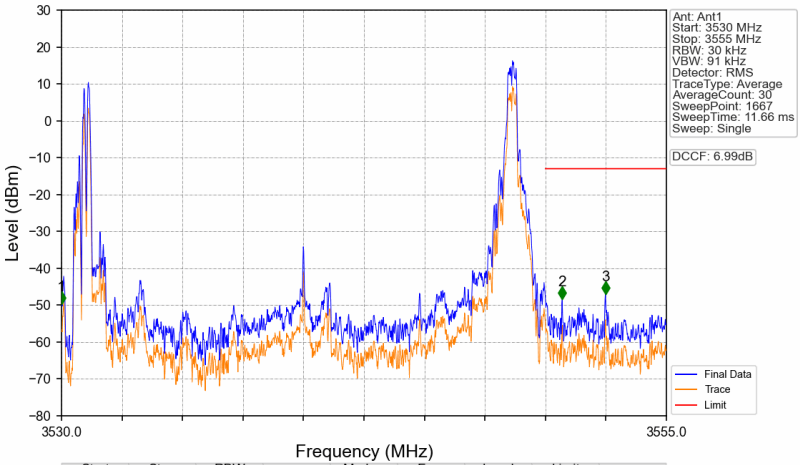


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.2	/	1	3530.000	-35.57	-13	Pass
3550	3550	0.2	/	/	/	/	/	/
3550	3551	0.2	/	2	3550.225	-38.08	-13	Pass
3551	3555	0.5	/	3	3553.425	-36.62	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3540MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.03	/	1	3530.000	-49.80	-13	Pass
3550	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	2	3550.693	-48.44	-13	Pass
3551	3555	0.5	/	3	3552.479	-47.00	-13	Pass

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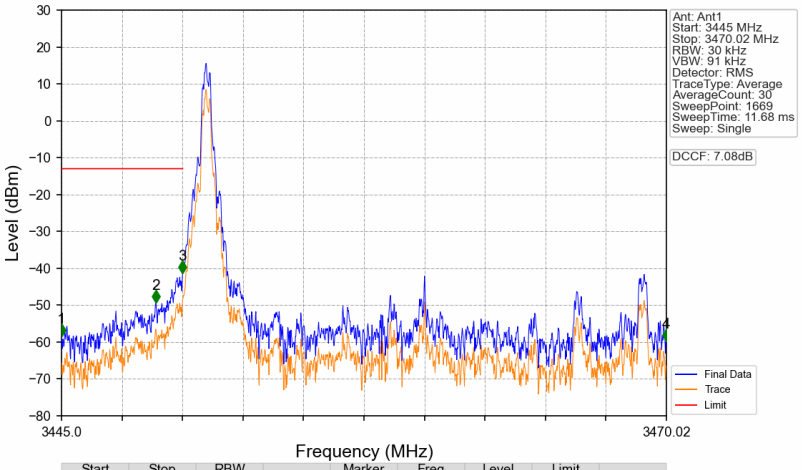
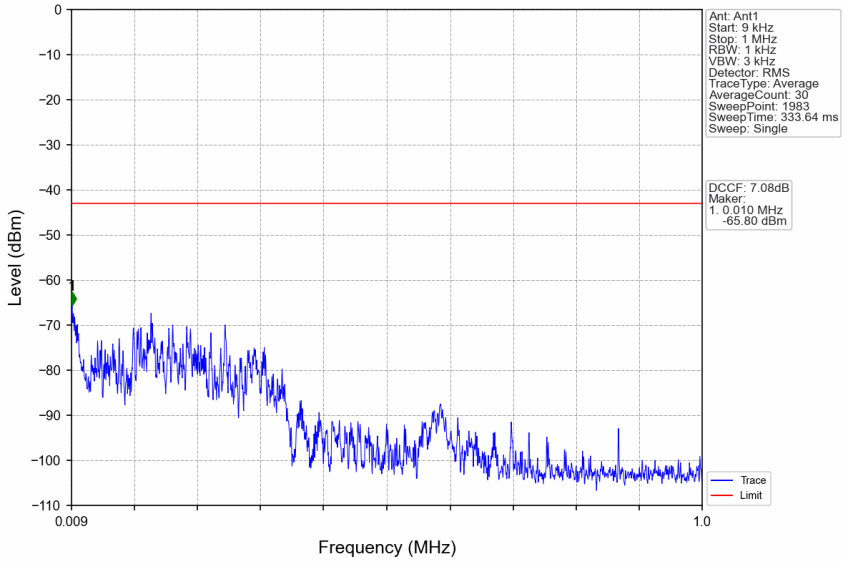
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3460.02MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	/	1	3445.000	-58.43	-13	Pass
3445.02	3449.02	0.5	/	2	3448.900	-49.43	-13	Pass
3449.02	3450.02	0.03	/	3	3450.010	-41.37	-13	Pass
3450.02	3470.02	0.03	/	4	3470.020	-59.80	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3460.02MHz_Edge_1RB_Left



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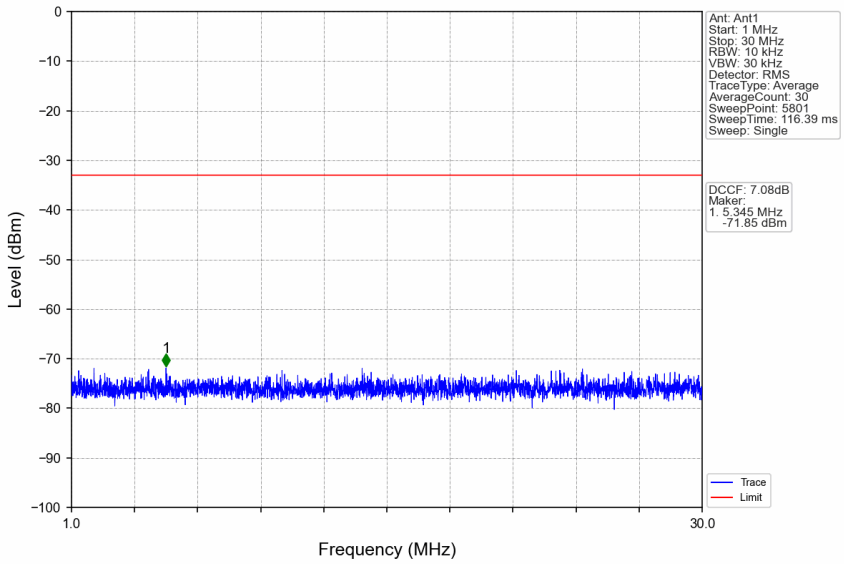

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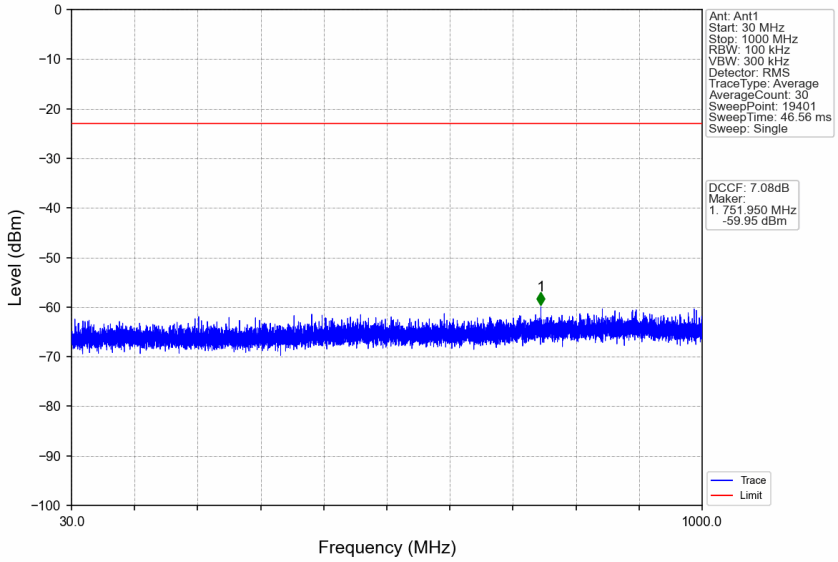

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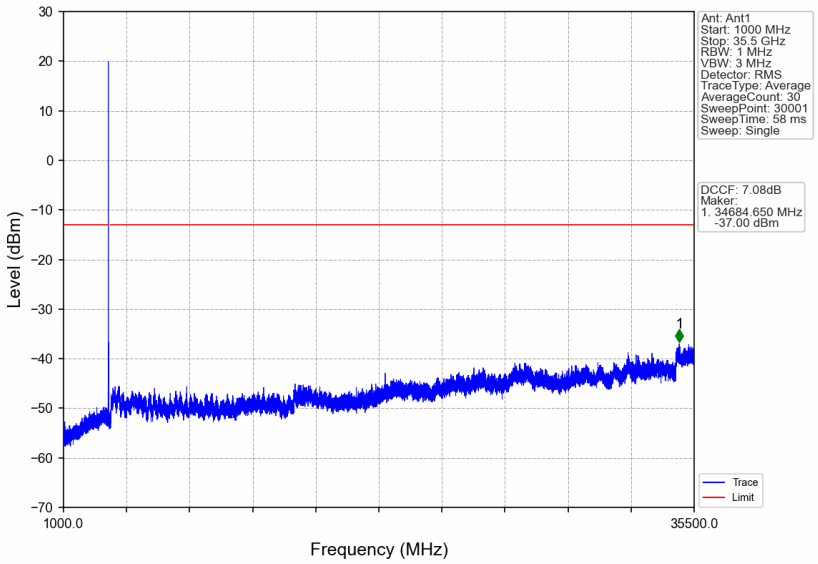
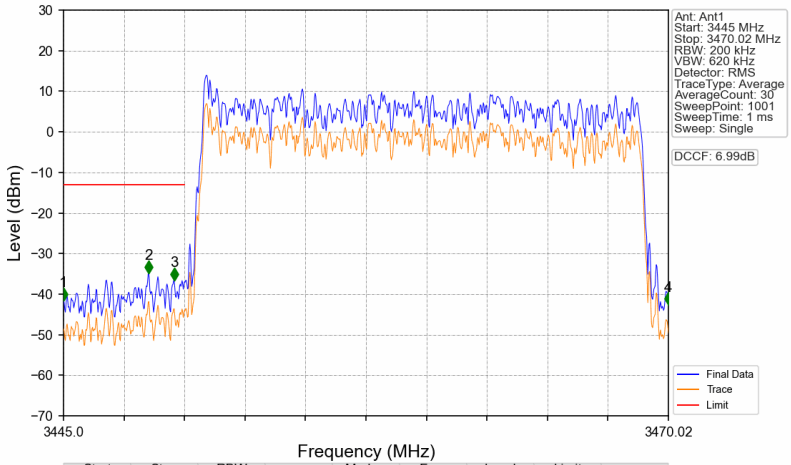


n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3460.02MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	/	1	3445.000	-41.54	-13	Pass
3445.02	3449.02	0.5	/	2	3448.528	-34.83	-13	Pass
3449.02	3450.02	0.2	/	3	3449.579	-36.61	-13	Pass
3450.02	3470.02	0.2	/	4	3470.020	-42.61	-13	Pass

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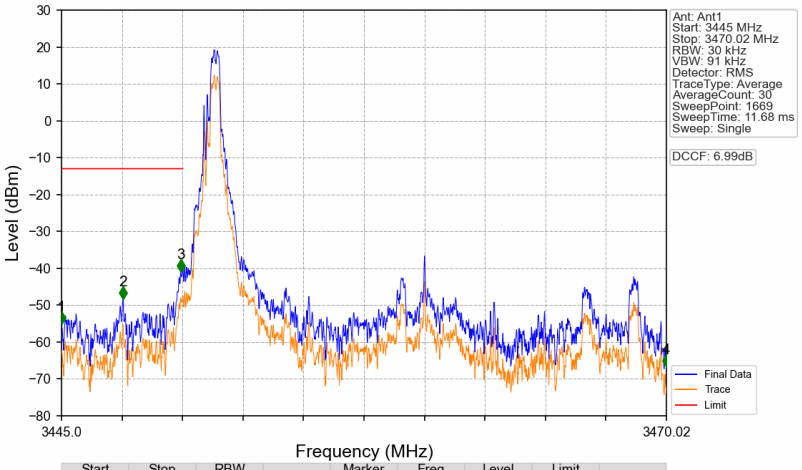
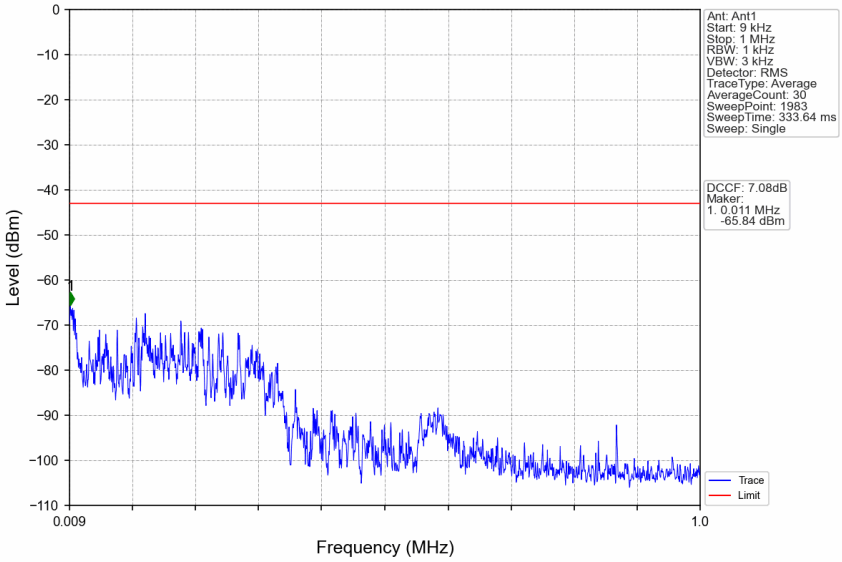


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	/	1	3445.000	-55.25	-13	Pass
3445.02	3449.02	0.5	/	2	3447.550	-48.37	-13	Pass
3449.02	3450.02	0.03	/	3	3449.935	-41.04	-13	Pass
3450.02	3470.02	0.03	/	4	3470.020	-66.80	-13	Pass

n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3500.01MHz_Edge_1RB_Left



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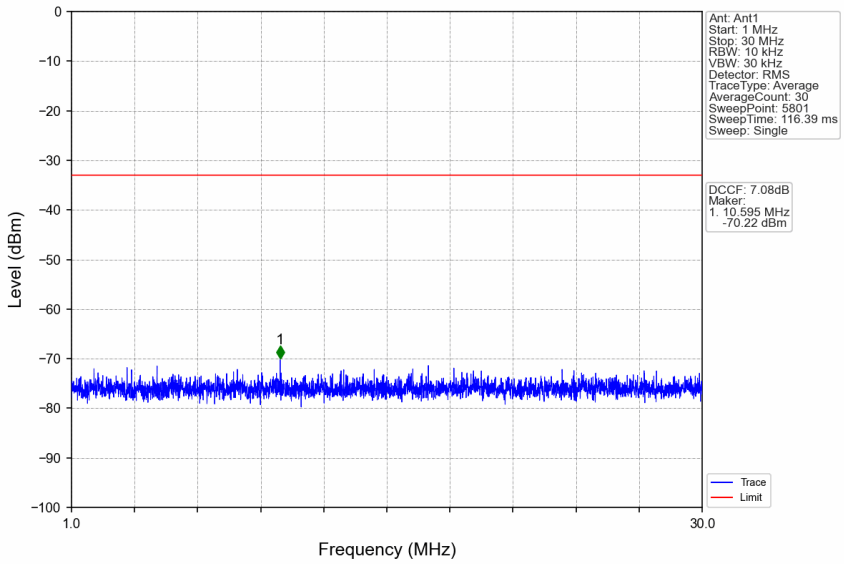
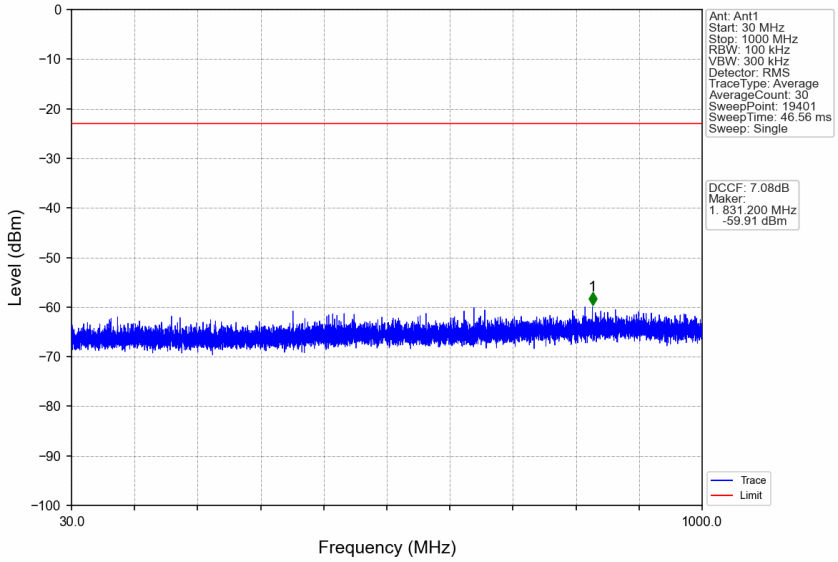


n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3500.01MHz_Edge_1RB_Left



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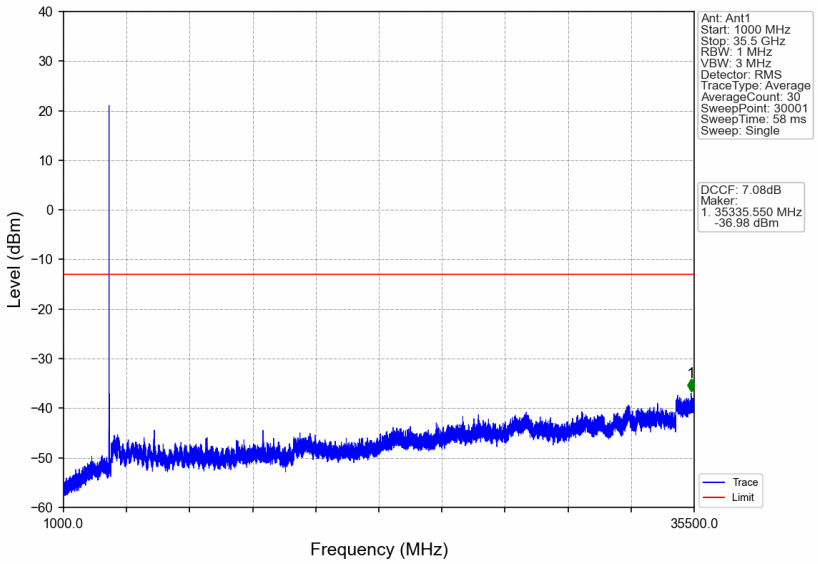
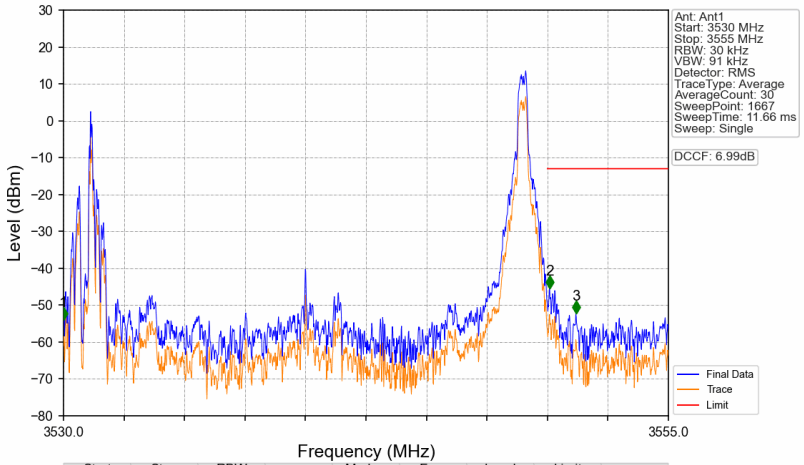


n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3540MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.03	/	1	3530.000	-53.97	-13	Pass
3550	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	2	3550.093	-45.54	-13	Pass
3551	3555	0.5	/	3	3551.173	-52.34	-13	Pass

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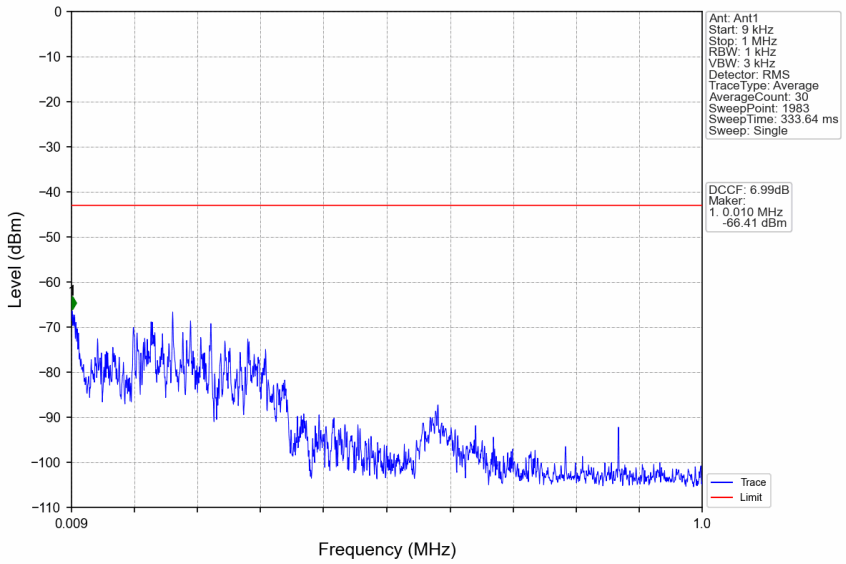

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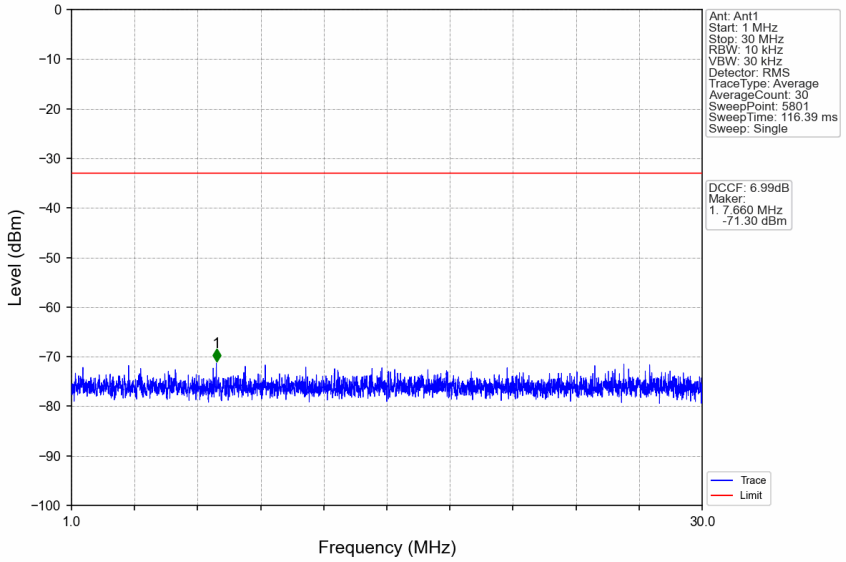

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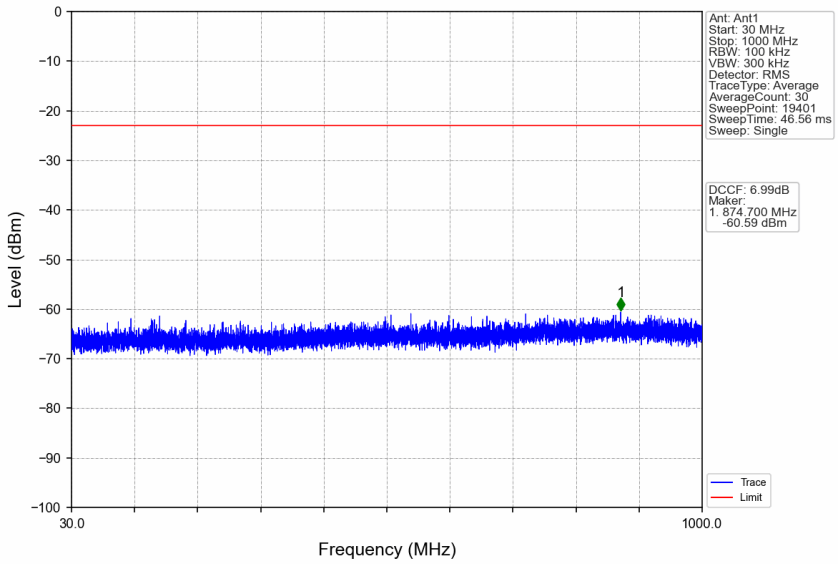

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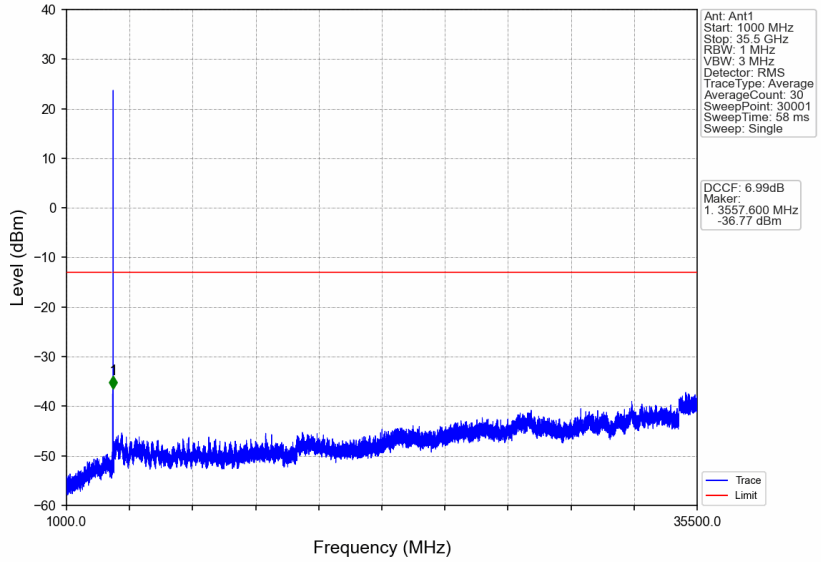

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