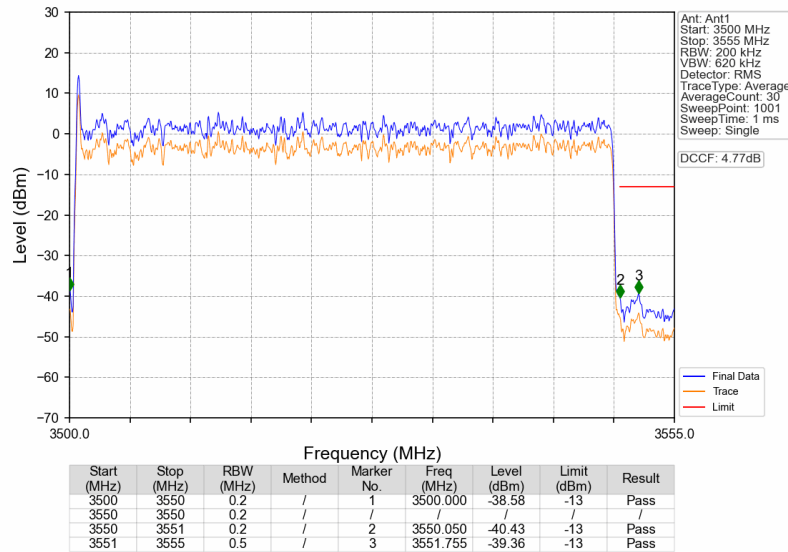


Report No.: SEWM2311000456RG02

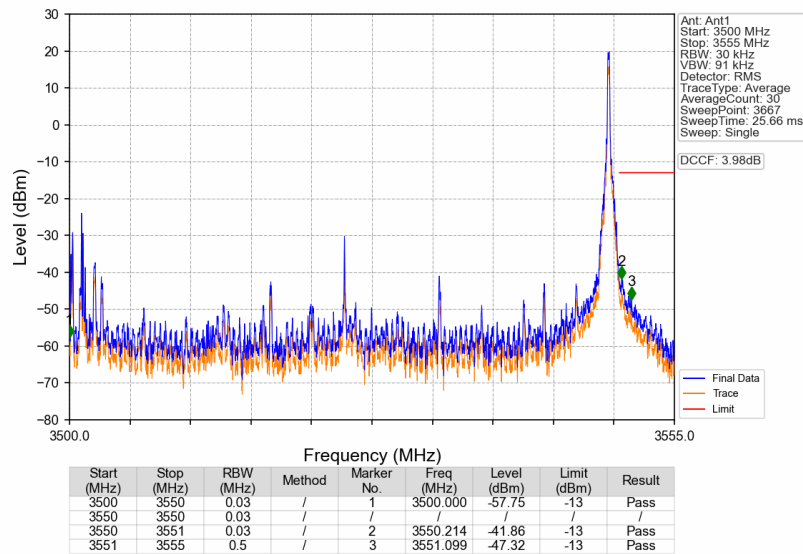
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n77d_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3525MHz_Outer_Full



n77d_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3525MHz_Inner_1RB_Right



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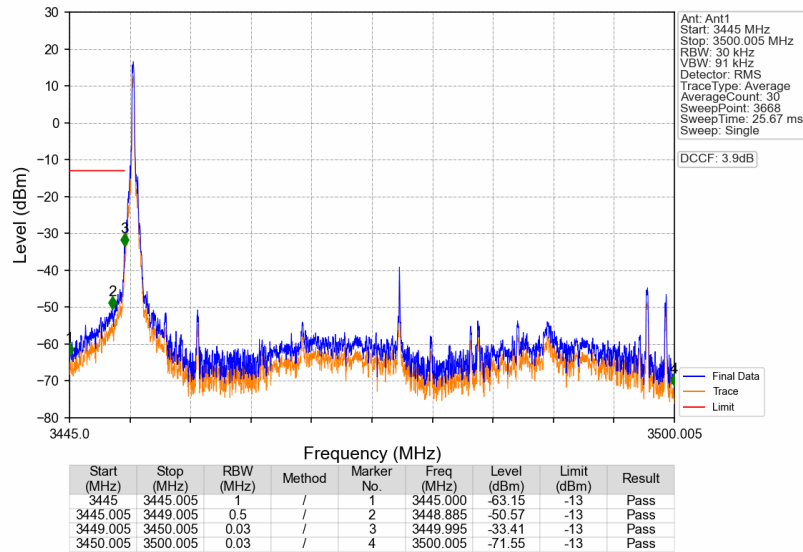
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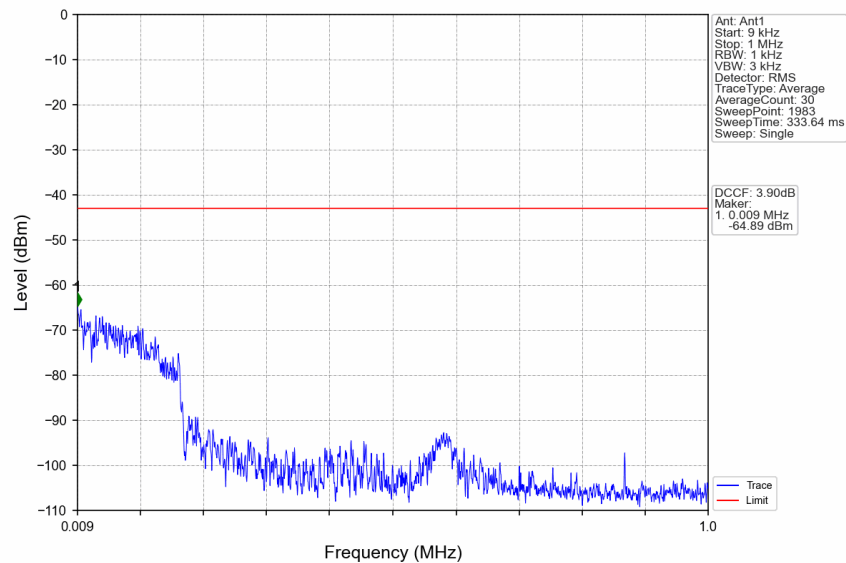
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n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3475.005MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3475.005MHz_Edge_1RB_Left



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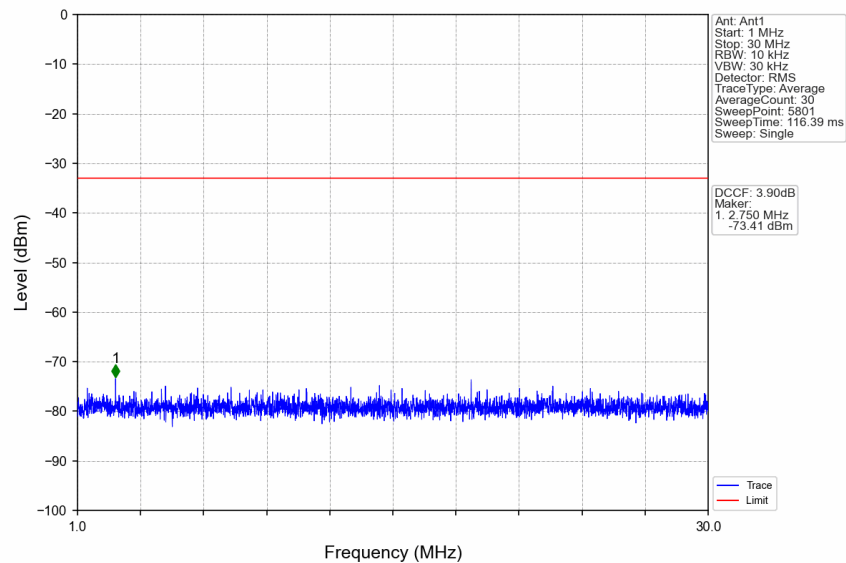


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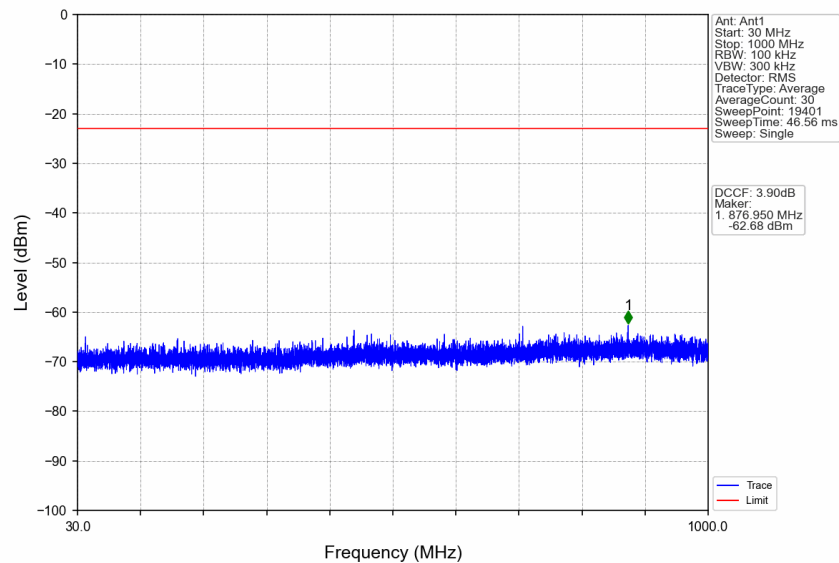
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n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM QPSK 3475.005MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM QPSK 3475.005MHz_Edge_1RB_Left



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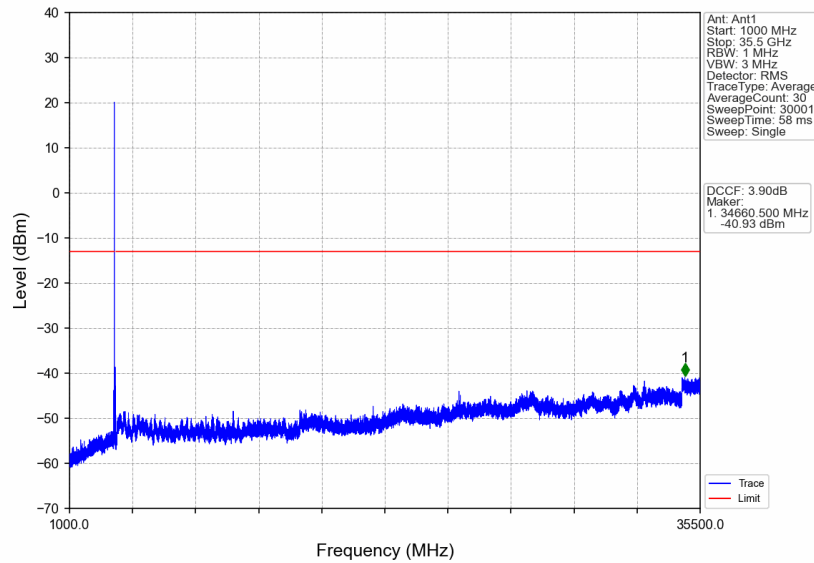
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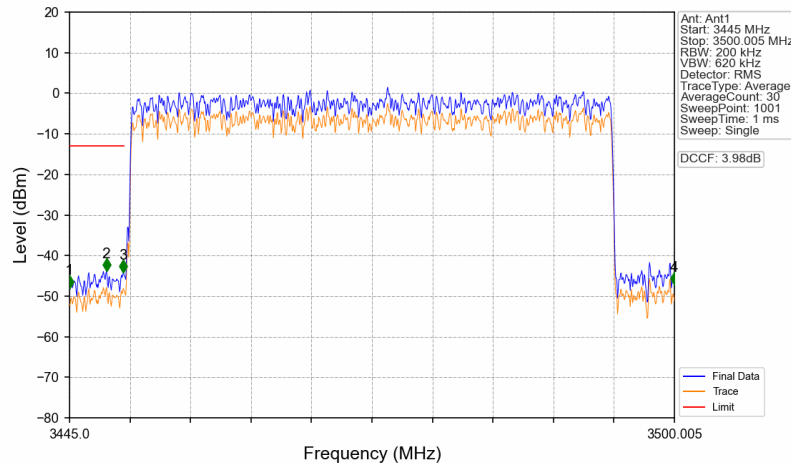
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n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3475.005MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3475.005MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.005	1	/	1	3445.000	-48.00	-13	Pass
3445.005	3449.005	0.5	/	2	3448.355	-43.85	-13	Pass
3449.005	3450.005	0.2	/	3	3449.895	-44.15	-13	Pass
3450.005	3500.005	0.2	/	4	3500.005	-47.26	-13	Pass



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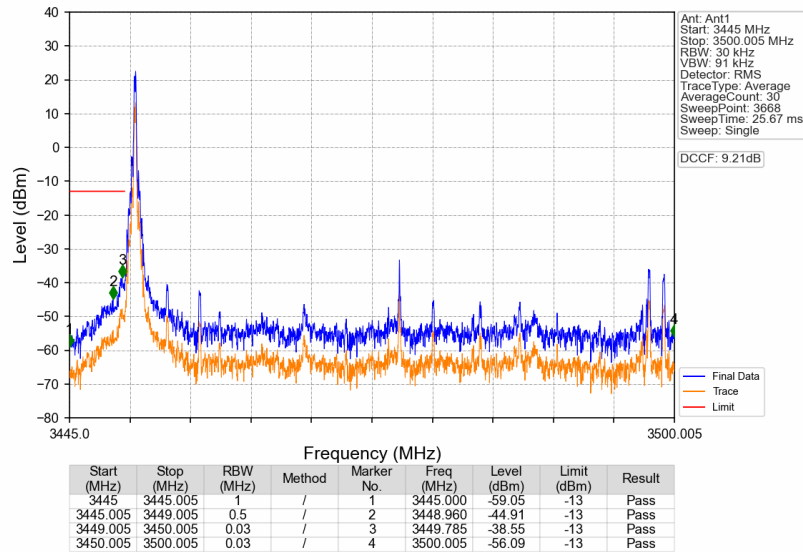
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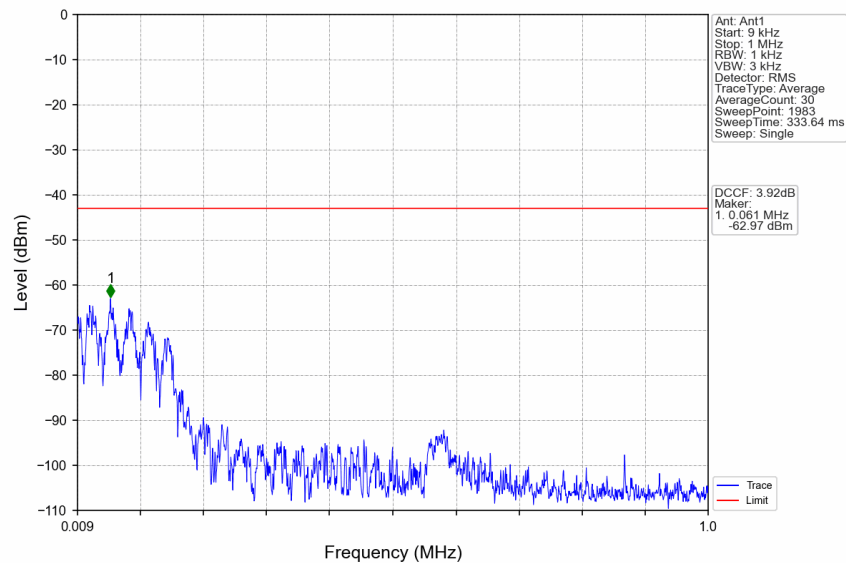
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n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3475.005MHz_Inner_1RB_Left



n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3499.995MHz_Edge_1RB_Left



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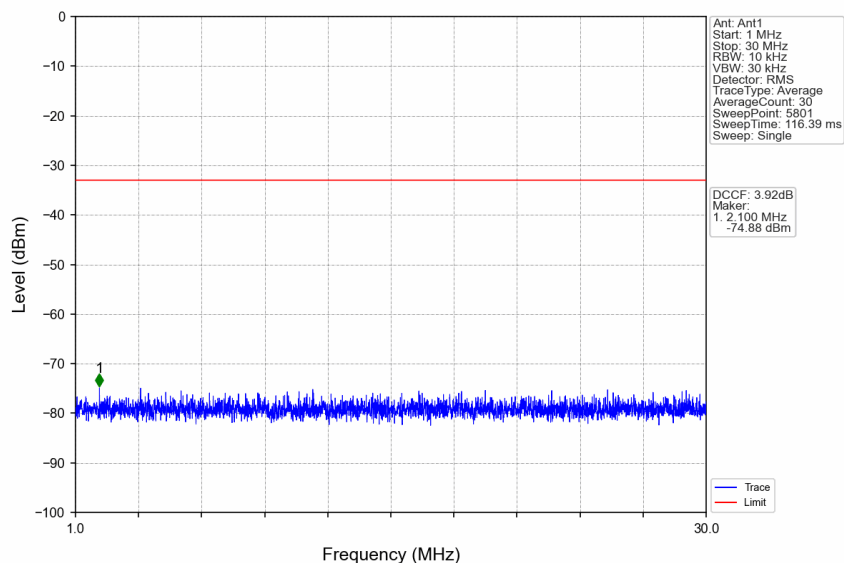
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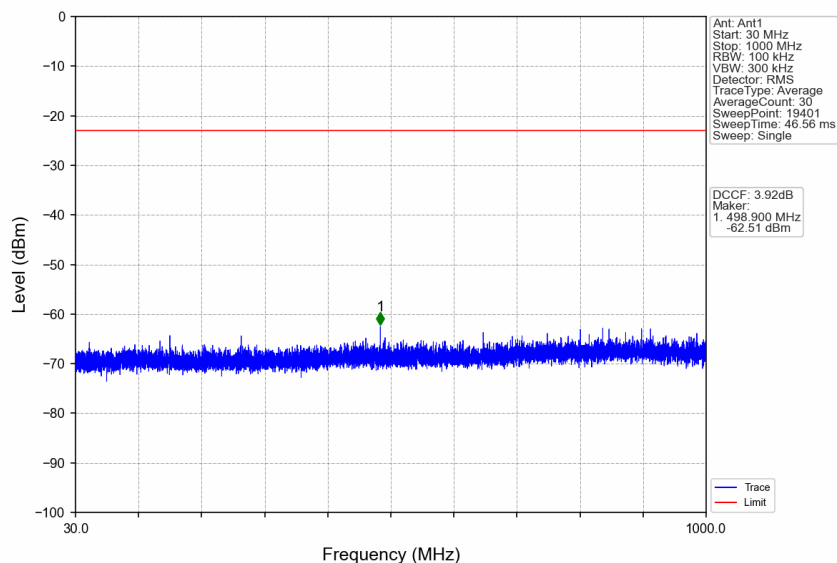
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n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3499.995MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3499.995MHz_Edge_1RB_Left



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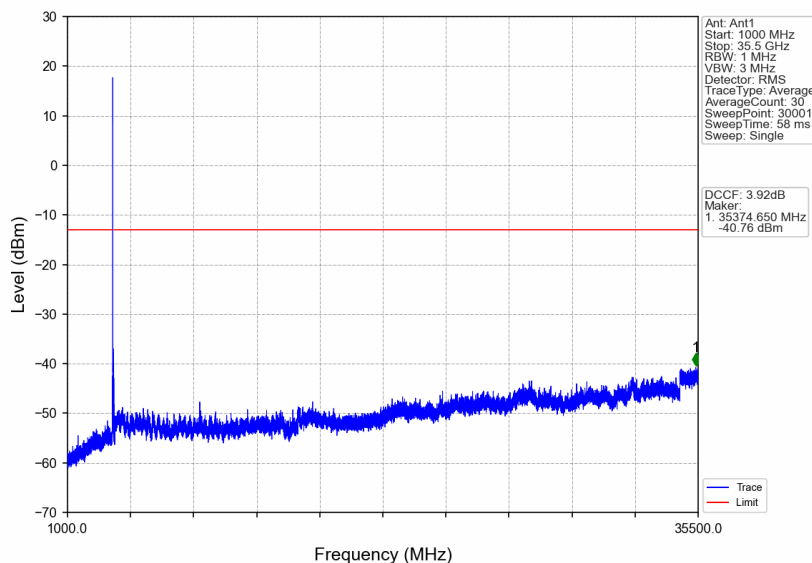


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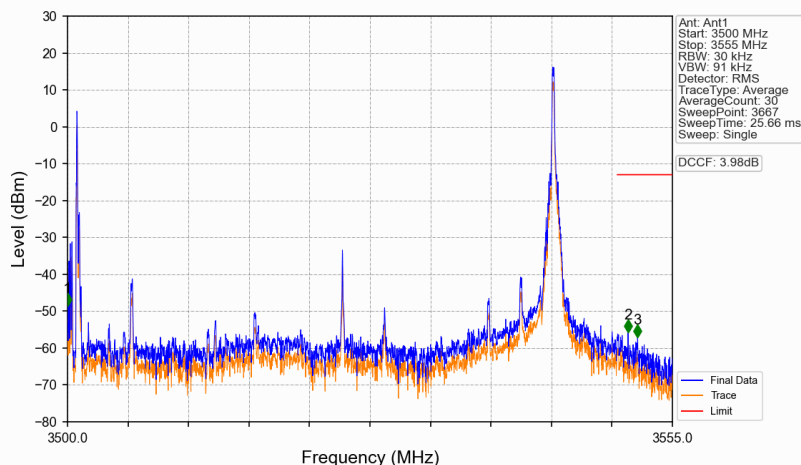
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n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM QPSK 3499.995MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM QPSK 3525MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3500	3550	0.03	/	1	3500.000	-48.59	-13	Pass
3550	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	2	3550.964	-55.76	-13	Pass
3551	3555	0.5	/	3	3551.834	-57.08	-13	Pass



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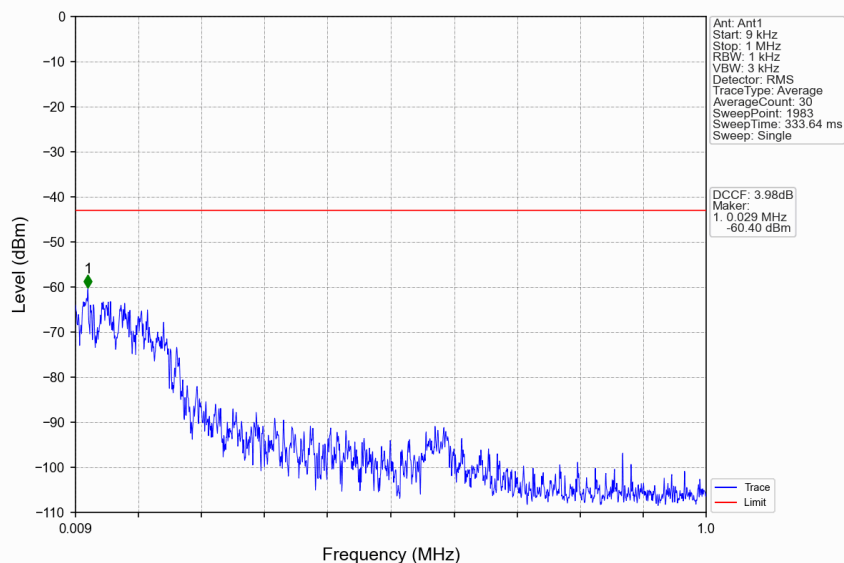
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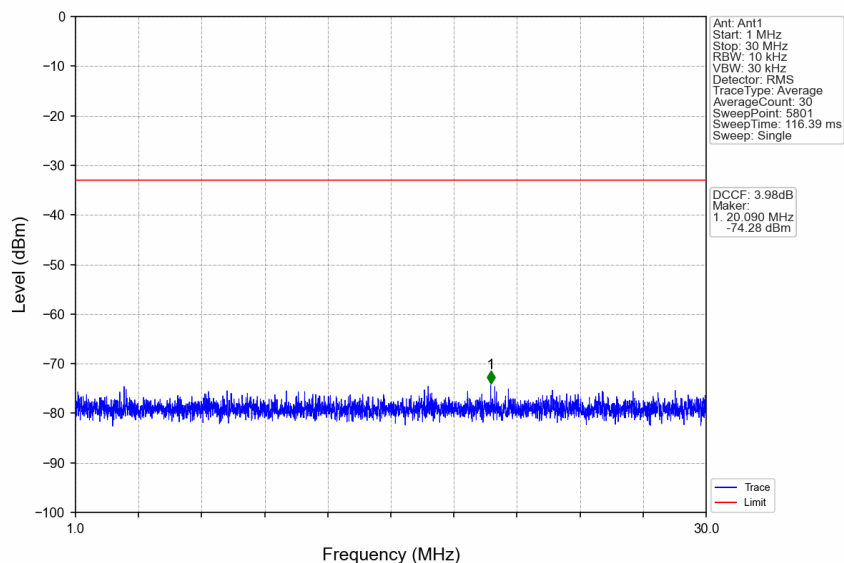
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n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3525MHz_Edge_1RB_Right



n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3525MHz_Edge_1RB_Right



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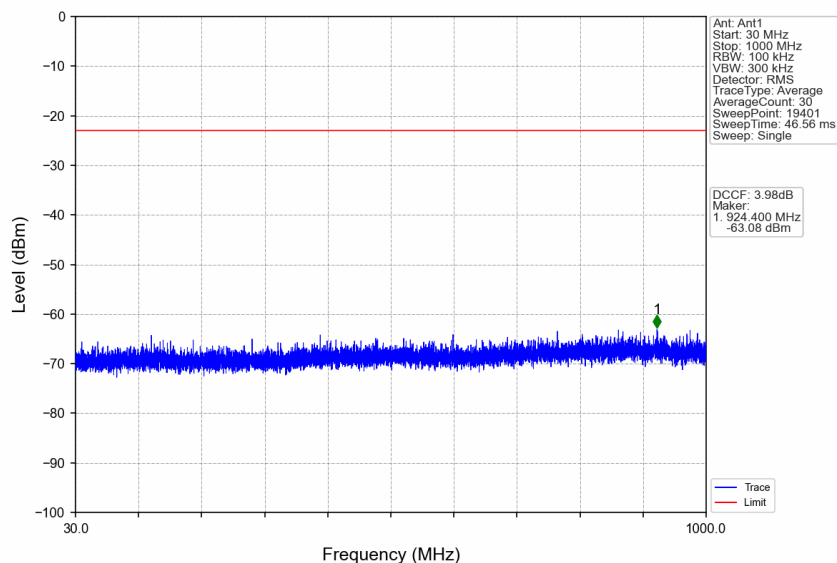


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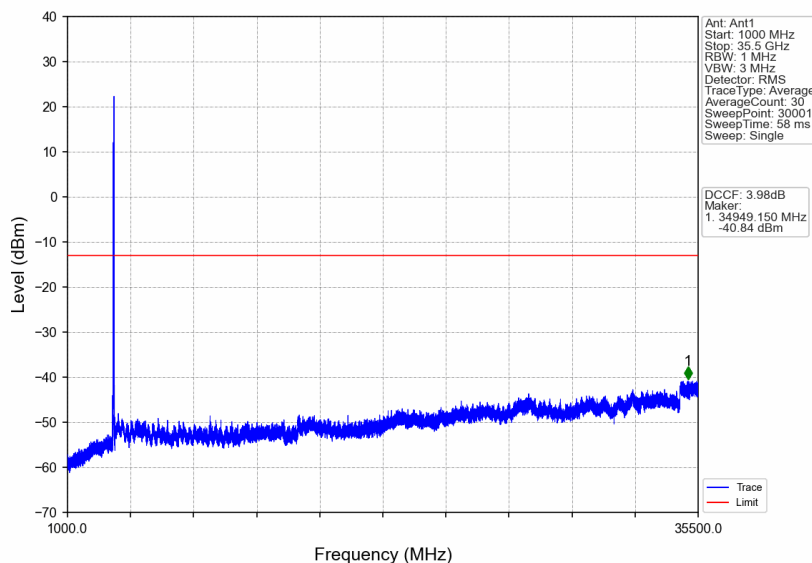
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n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3525MHz_Edge_1RB_Right



n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3525MHz_Edge_1RB_Right



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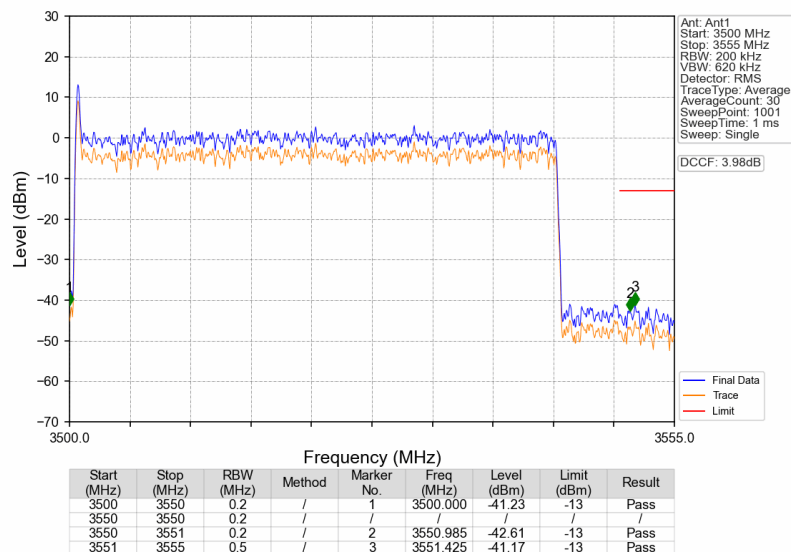
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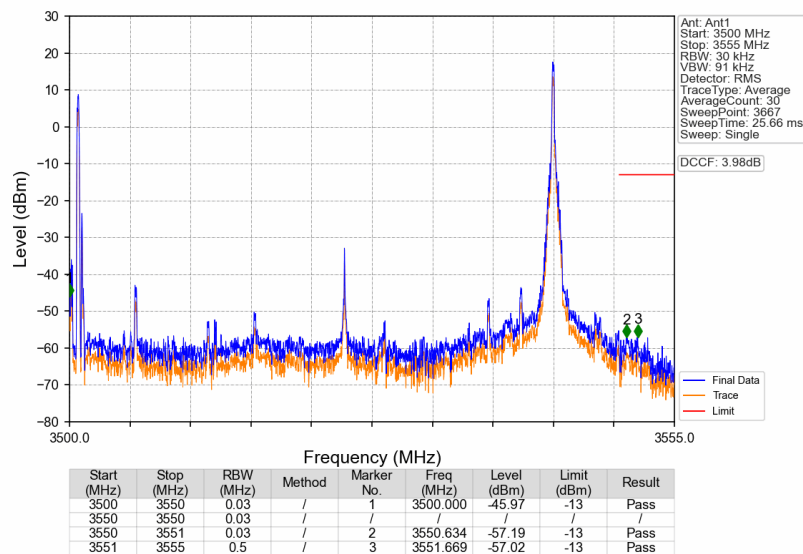
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n77d_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3525MHz_Inner_1RB_Right



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6.8 30k_SISO_10MHz_NTNV

6.8.1 Test Result

5G NR n77d SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3455.01	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
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3455.01	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
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3455.01	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
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
3544.98	Edge_1RB_Left	Refer To Test Graph				Pass	
	Outer_Full	Refer To Test Graph				Pass	
	Inner_1RB_Right	Refer To Test Graph				Pass	



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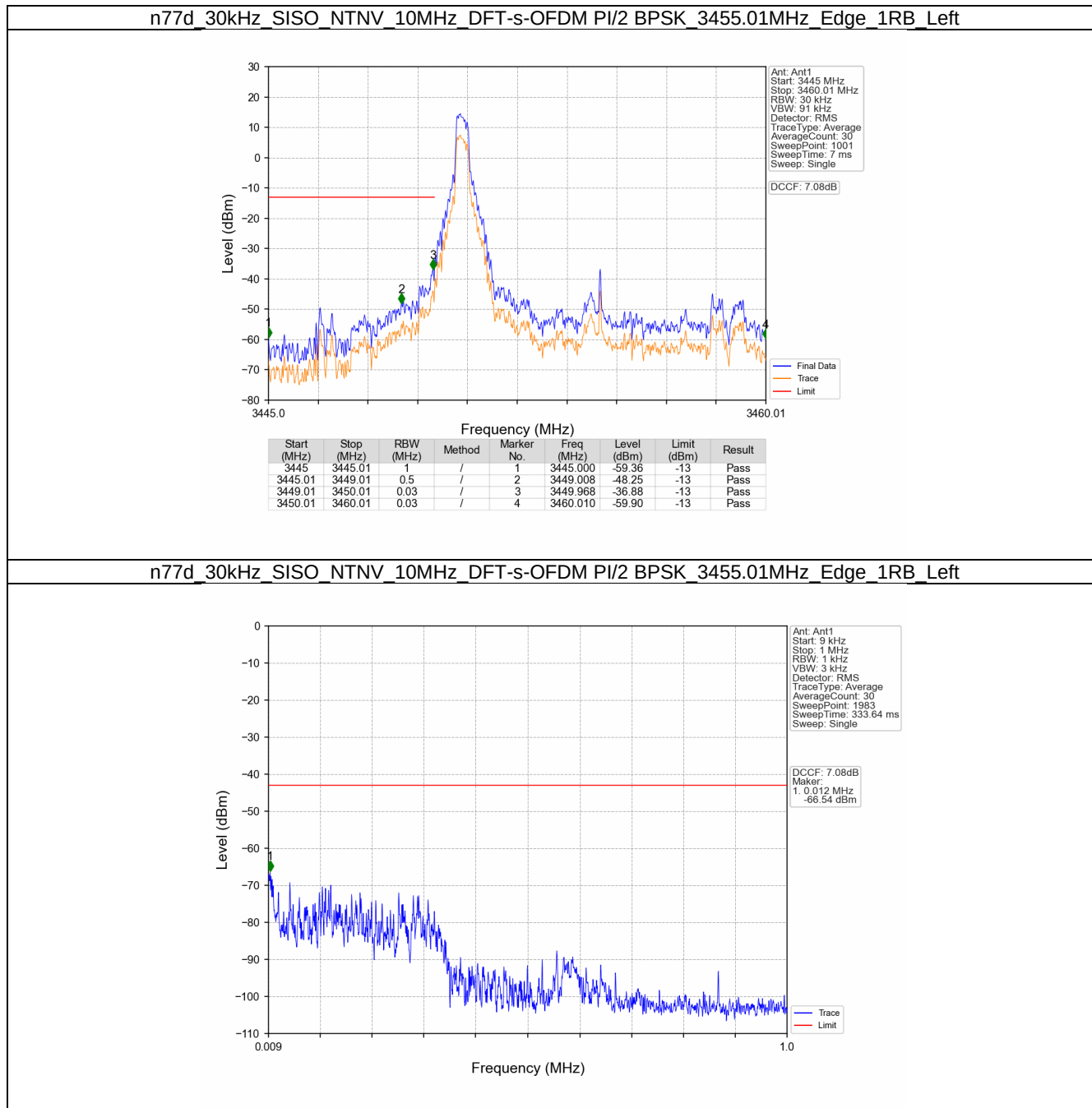
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6.8.2 Test Graph



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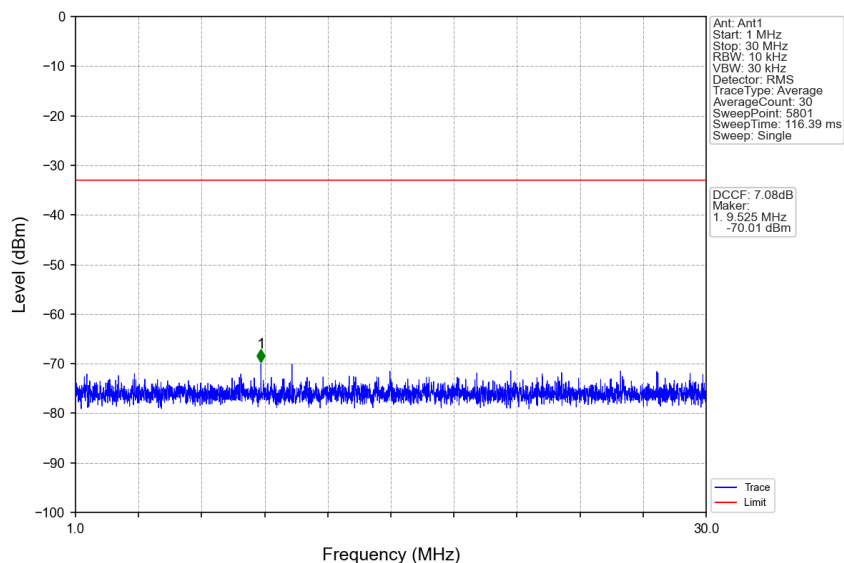


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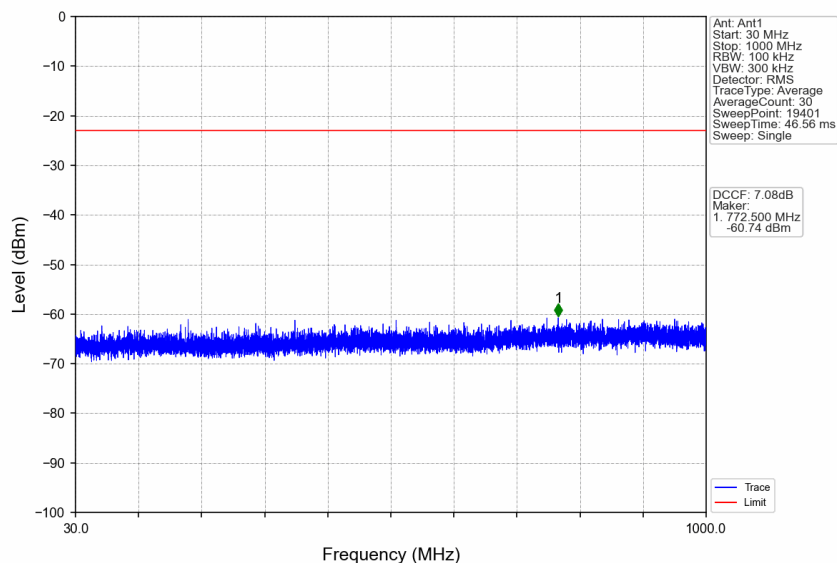
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3455.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3455.01MHz_Edge_1RB_Left



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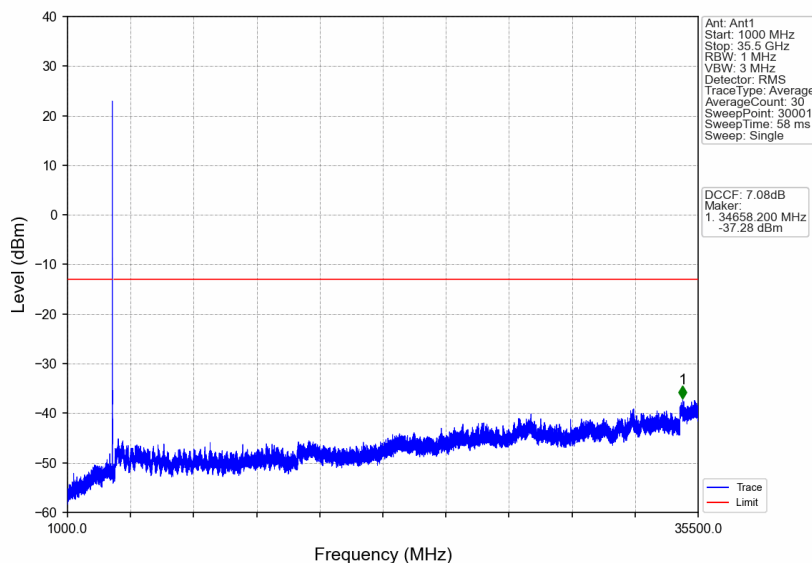
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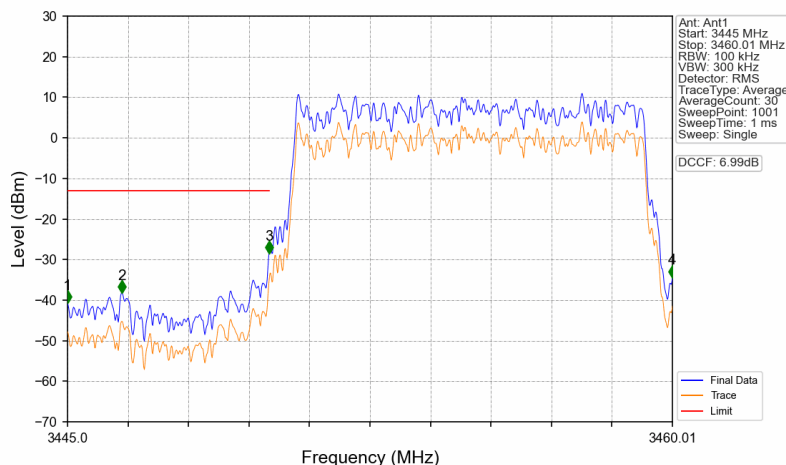
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3455.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3455.01MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.01	1	/	1	3445.000	-40.77	-13	Pass
3445.01	3449.01	0.5	/	2	3446.351	-38.24	-13	Pass
3449.01	3450.01	0.1	/	3	3449.998	-28.52	-13	Pass
3450.01	3460.01	0.1	/	4	3460.010	-34.49	-13	Pass



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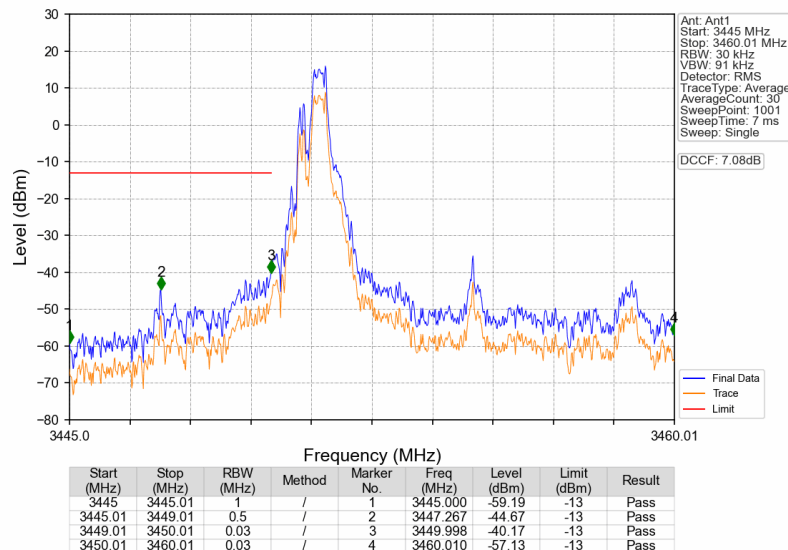
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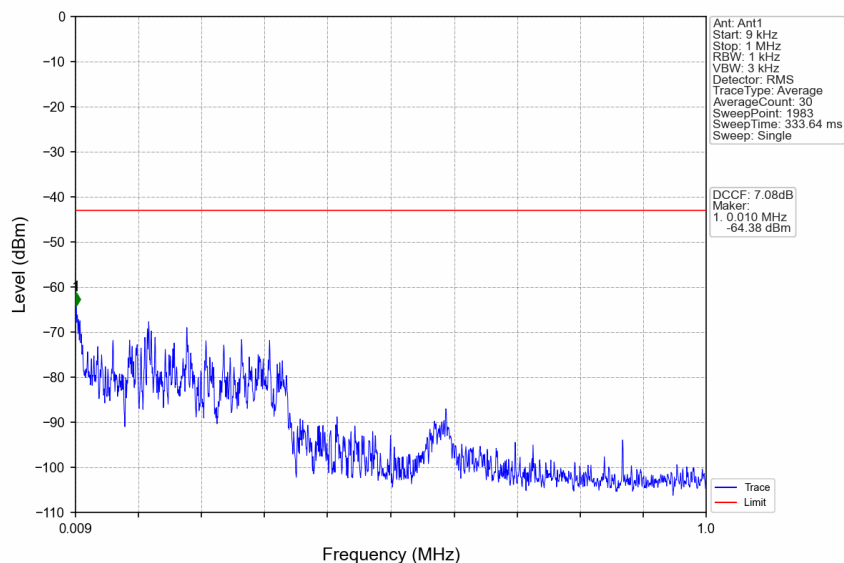
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK 3455.01MHz_Inner_1RB_Left



n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK 3500.01MHz_Edge_1RB_Left



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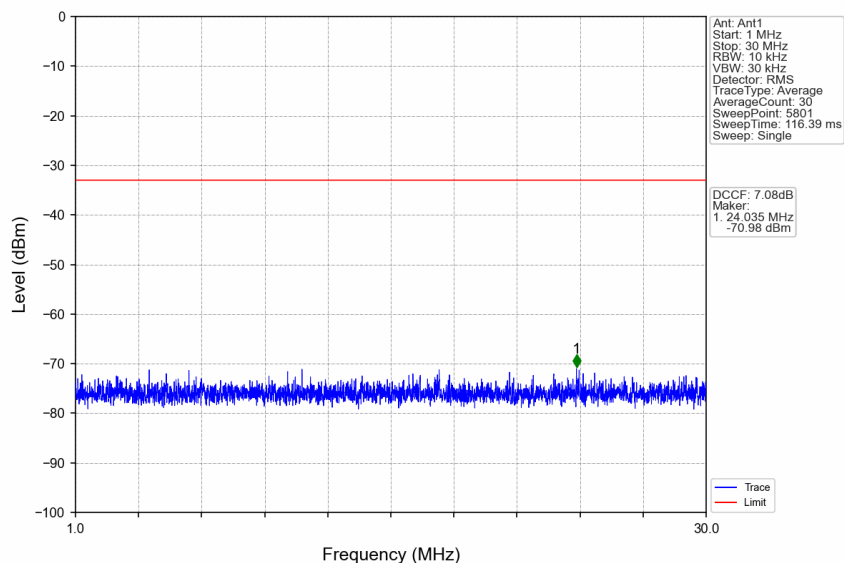


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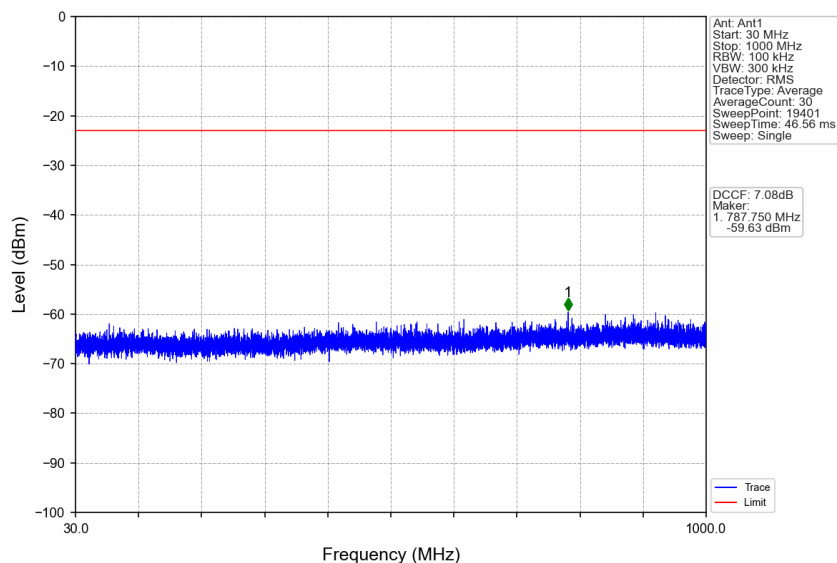
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



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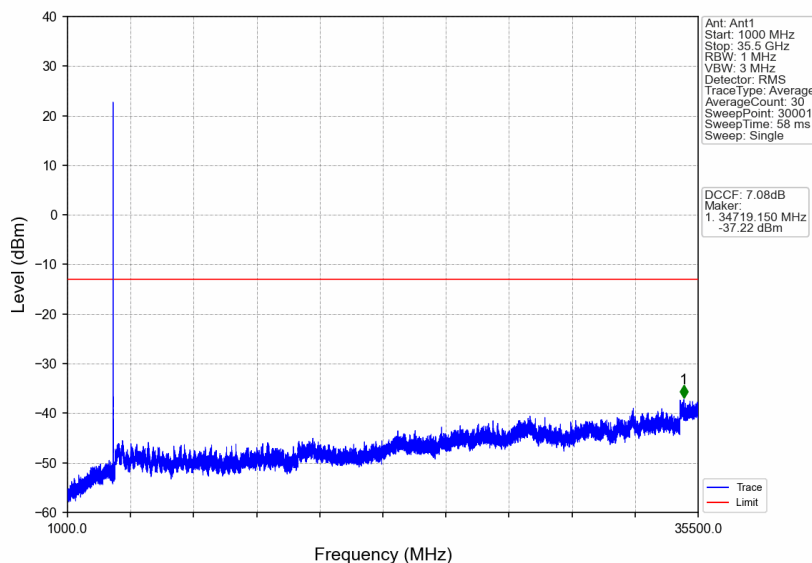


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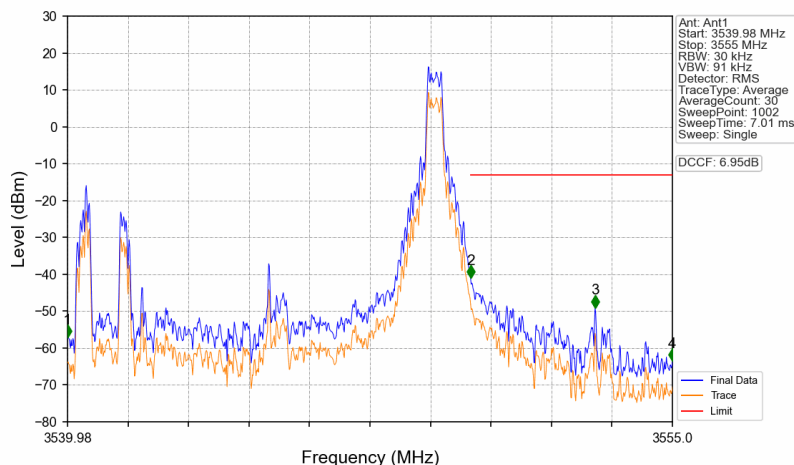
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3544.98MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3539.98	3549.98	0.03	/	1	3539.980	-57.05	-13	Pass
3549.98	3549.98	0.03	/	1	/	/	/	/
3549.98	3550.98	0.03	/	2	3549.988	-41.07	-13	Pass
3550.98	3554.98	0.5	/	3	3553.079	-49.06	-13	Pass
3554.98	3554.98	1	/	4	3555.000	-63.59	-13	Pass



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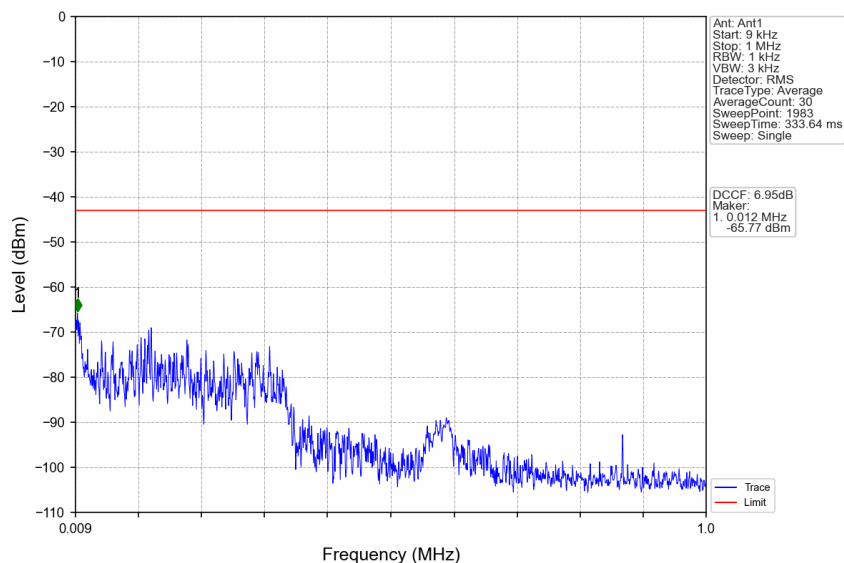
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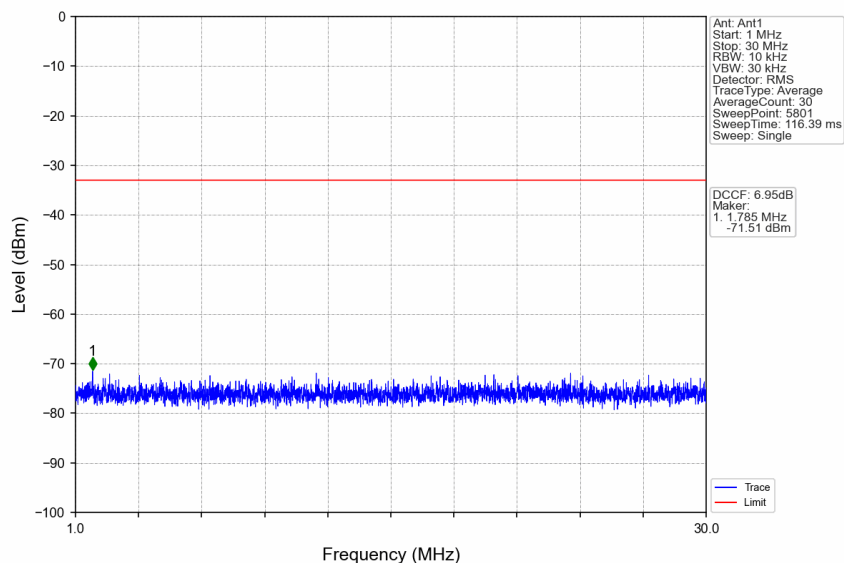
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_3544.98MHz_Edge_1RB_Right



n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_3544.98MHz_Edge_1RB_Right



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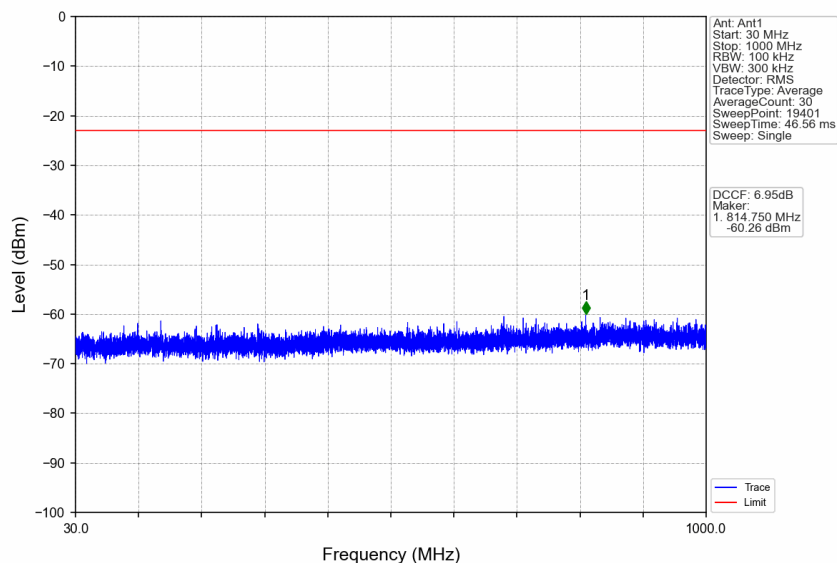


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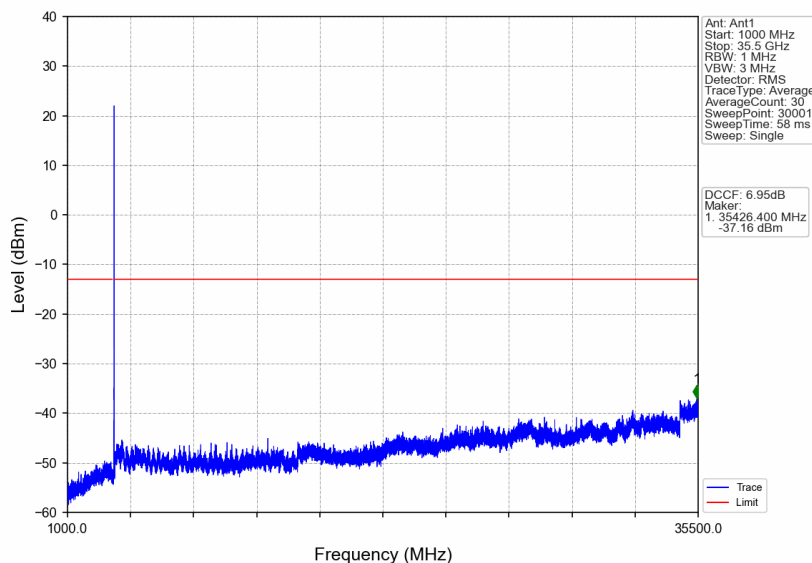
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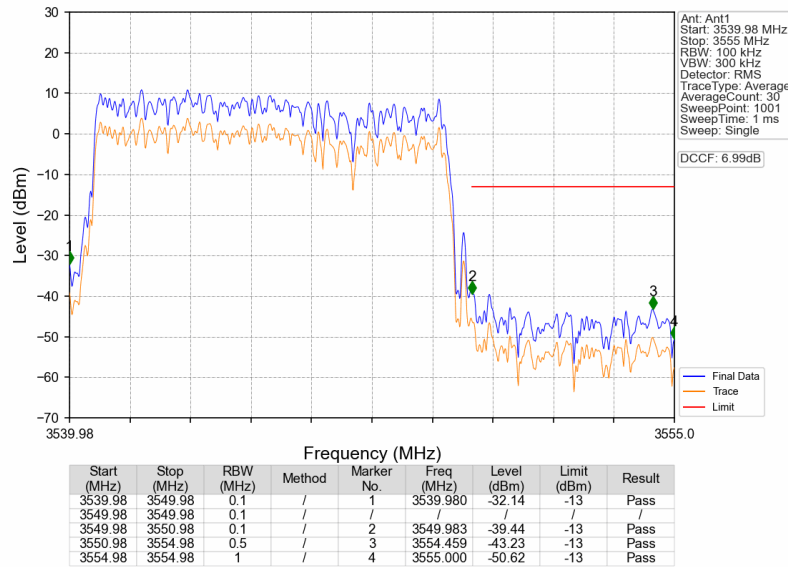
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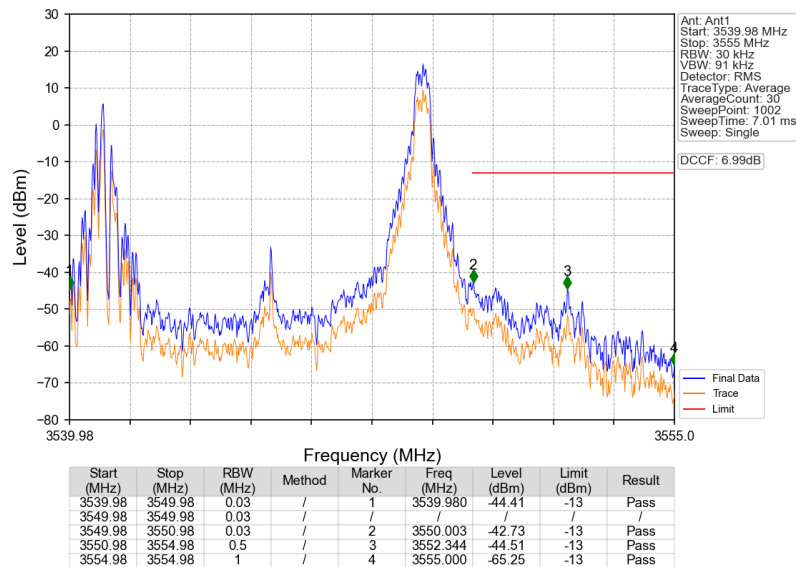
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3544.98MHz_Outer_Full



n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3544.98MHz_Inner_1RB_Right



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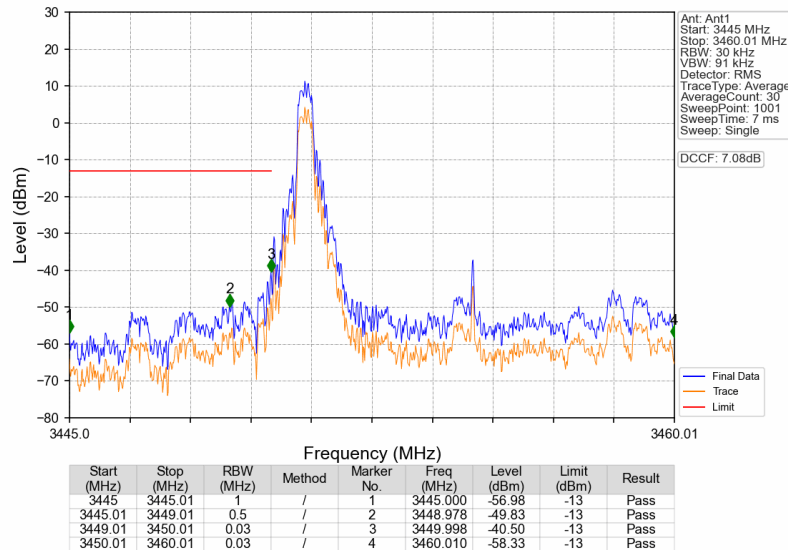
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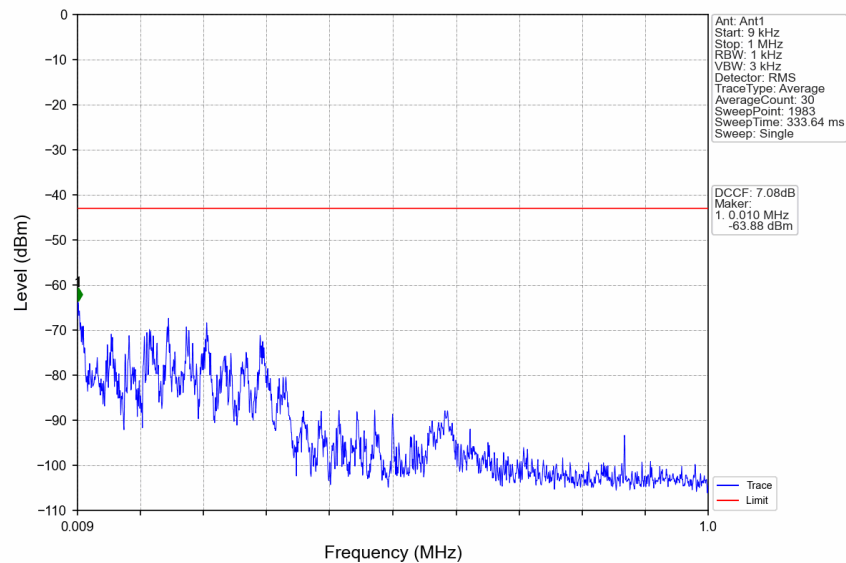
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3455.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3455.01MHz_Edge_1RB_Left



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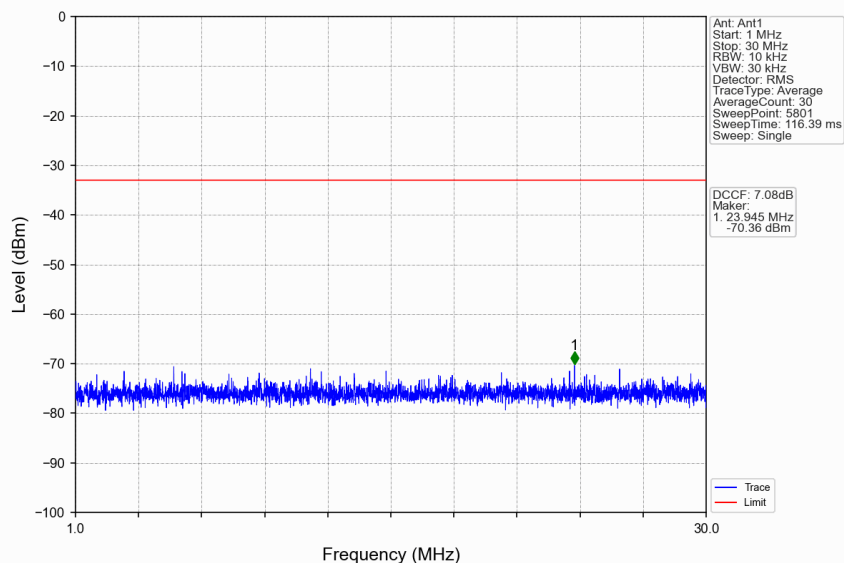


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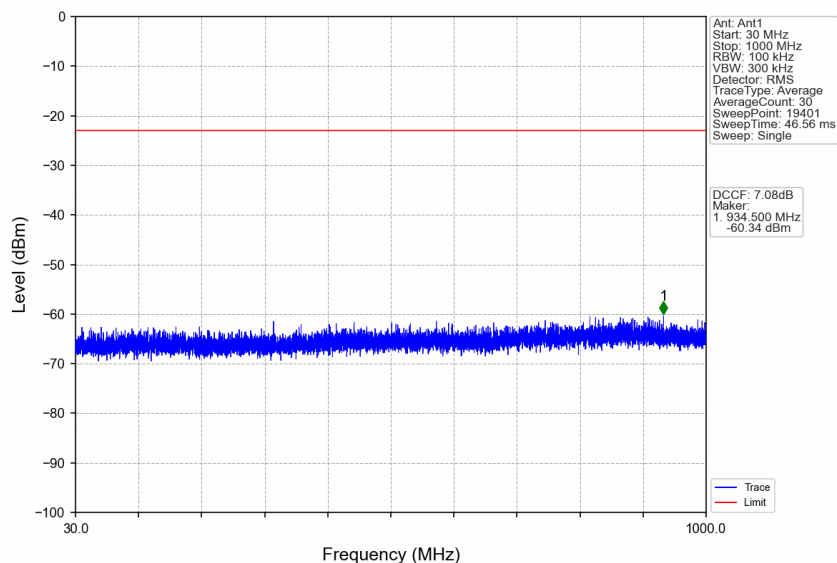
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3455.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3455.01MHz_Edge_1RB_Left



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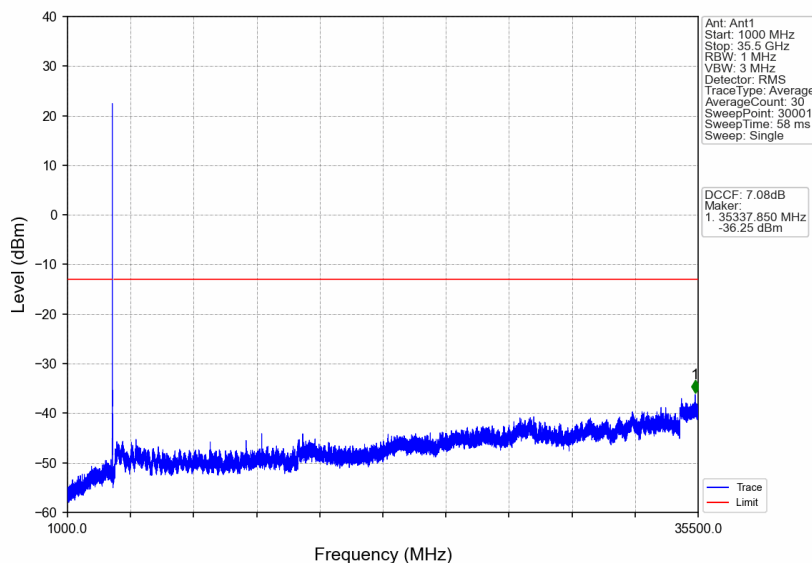
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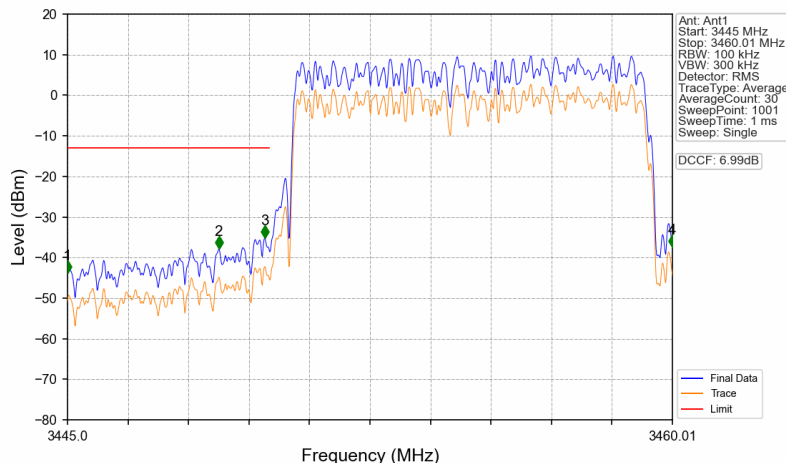
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3455.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3455.01MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.01	1	/	1	3445.000	-43.88	-13	Pass
3445.01	3449.01	0.5	/	2	3448.753	-37.88	-13	Pass
3449.01	3450.01	0.1	/	3	3449.893	-35.21	-13	Pass
3450.01	3460.01	0.1	/	4	3460.010	-37.51	-13	Pass



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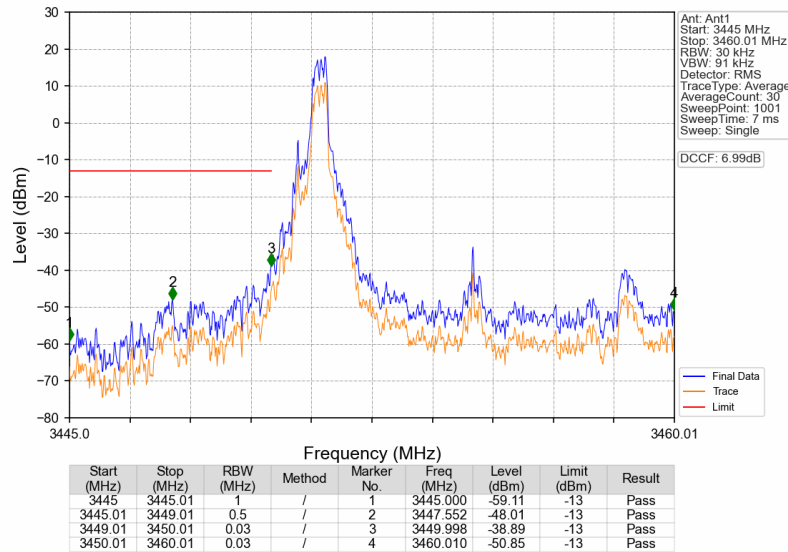
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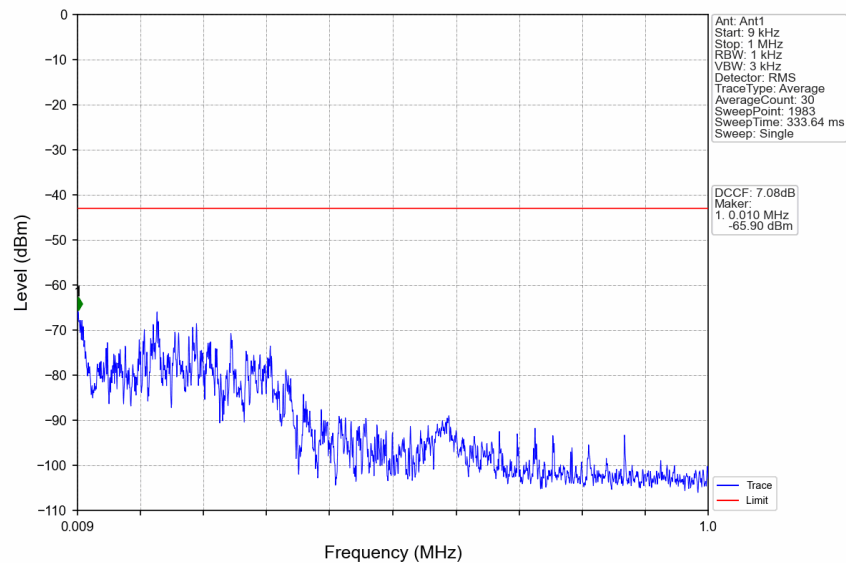
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3455.01MHz_Inner_1RB_Left



n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



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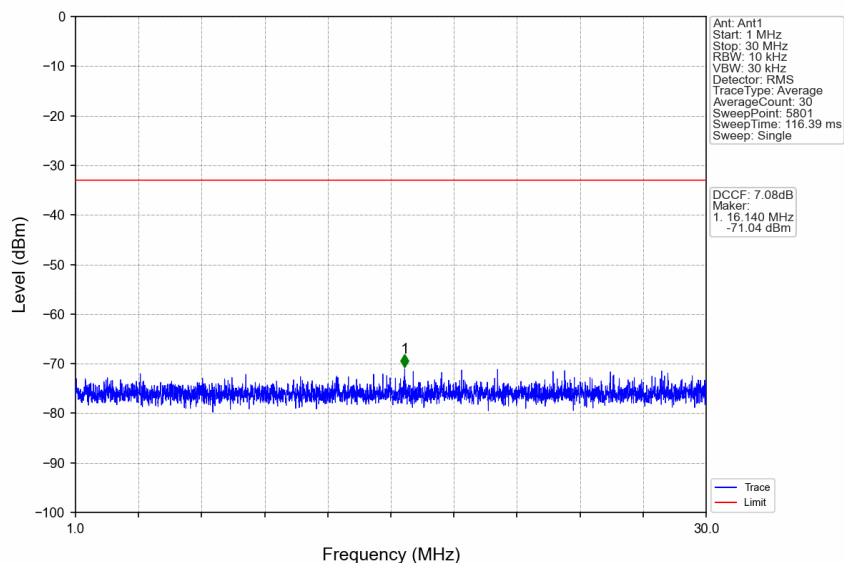
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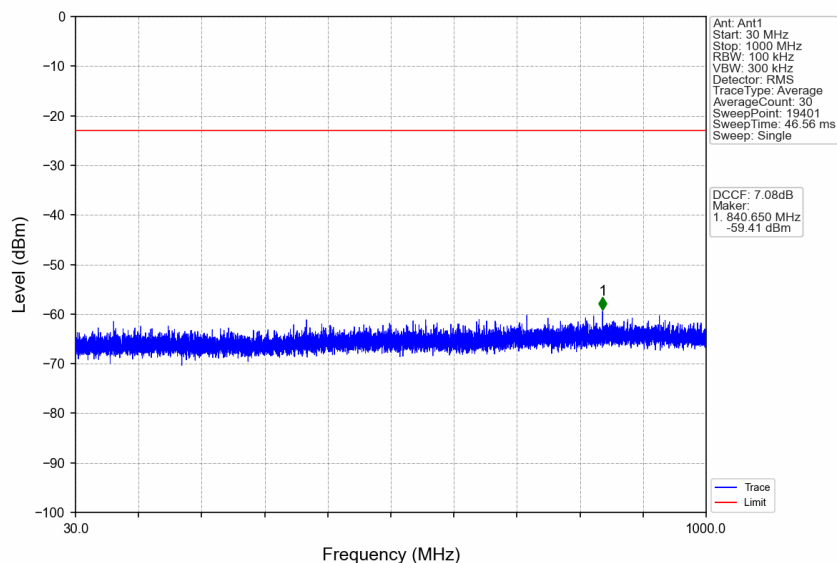
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



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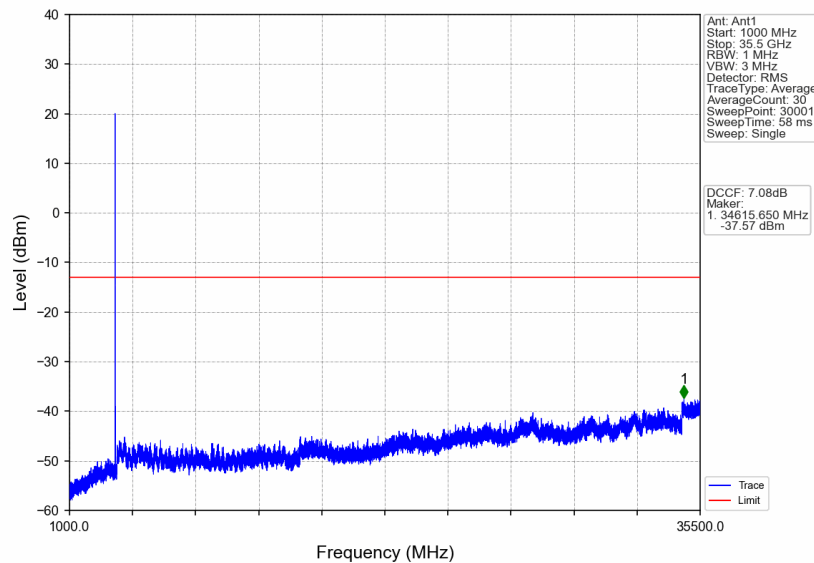
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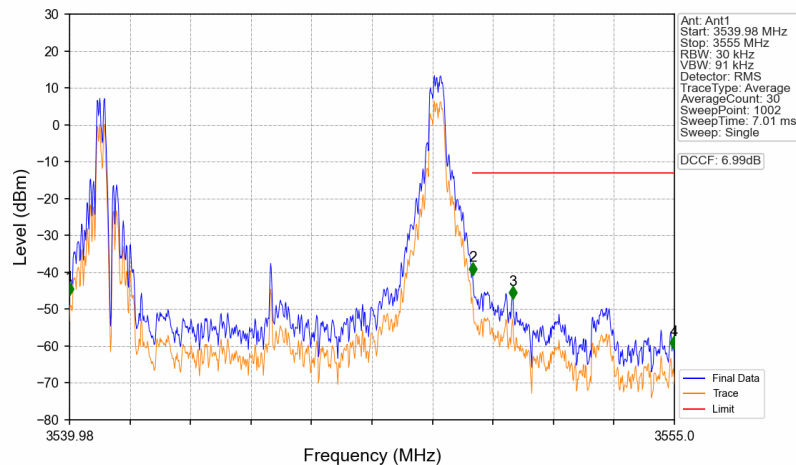
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3544.98MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3539.98	3549.98	0.03	/	1	3539.980	-46.18	-13	Pass
3549.98	3549.98	0.03	/	1	/	/	/	/
3549.98	3550.98	0.03	/	2	3549.988	-40.72	-13	Pass
3550.98	3554.98	0.5	/	3	3550.994	-47.22	-13	Pass
3554.98	3554.98	1	/	4	3554.985	-60.81	-13	Pass



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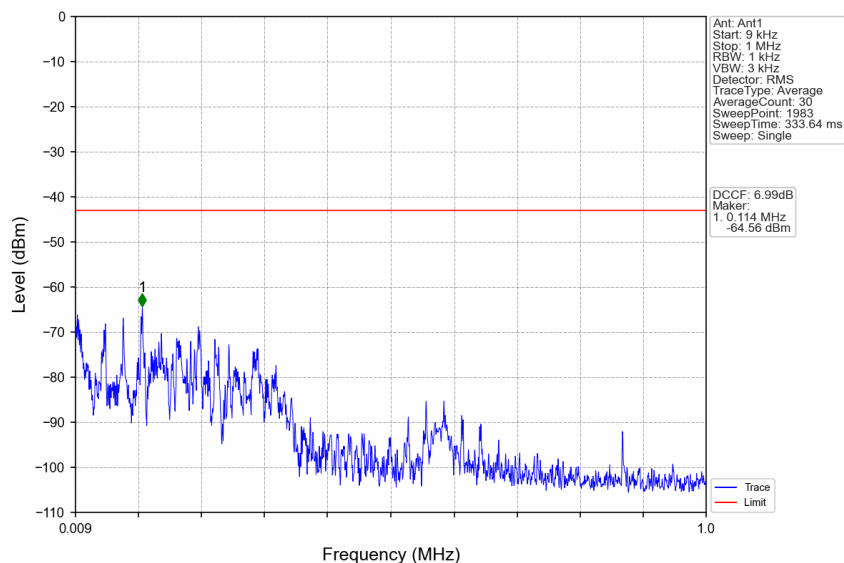
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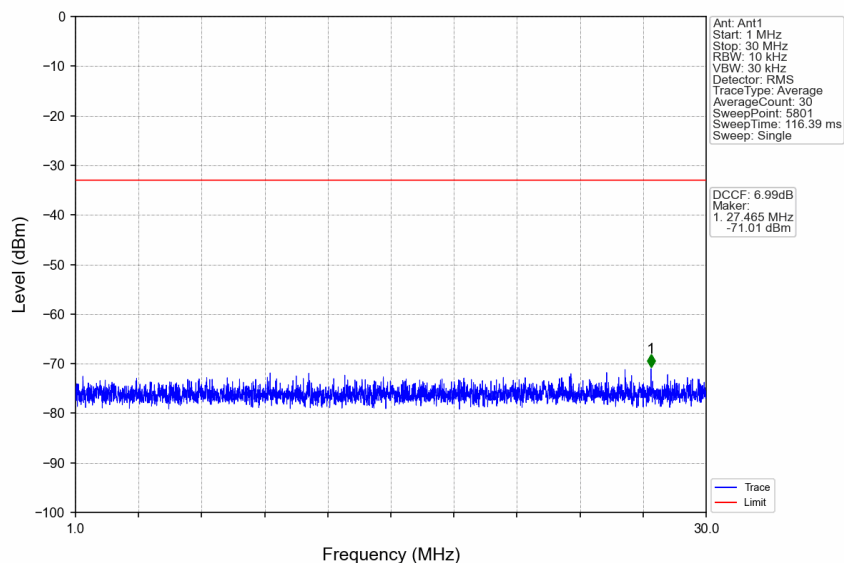
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3544.98MHz_Edge_1RB_Right



n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3544.98MHz_Edge_1RB_Right



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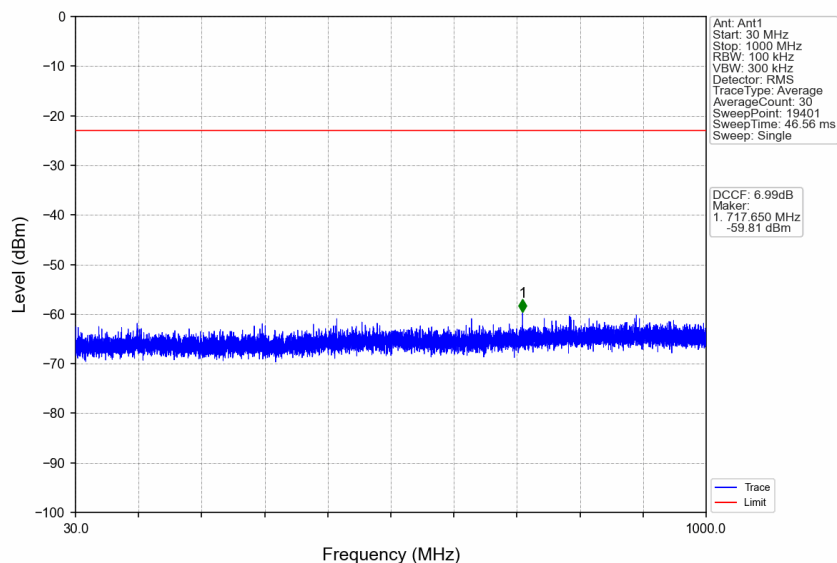


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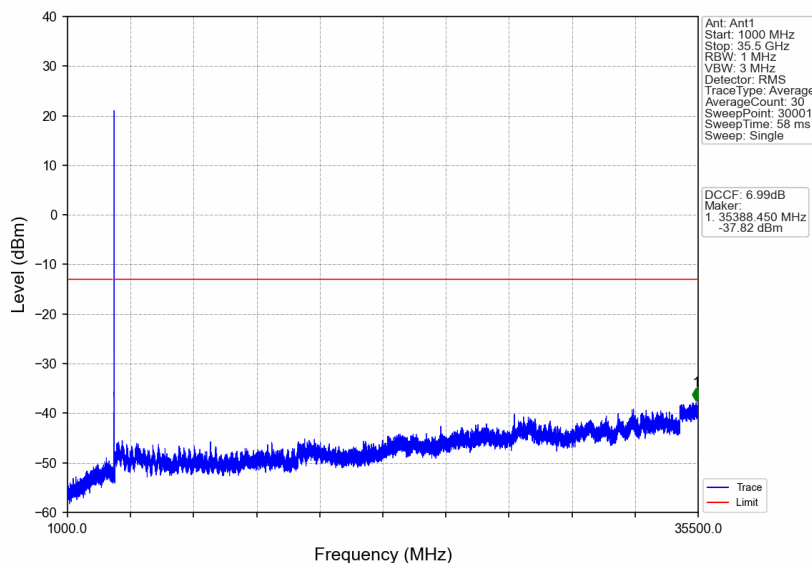
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK 3544.98MHz_Edge_1RB_Right



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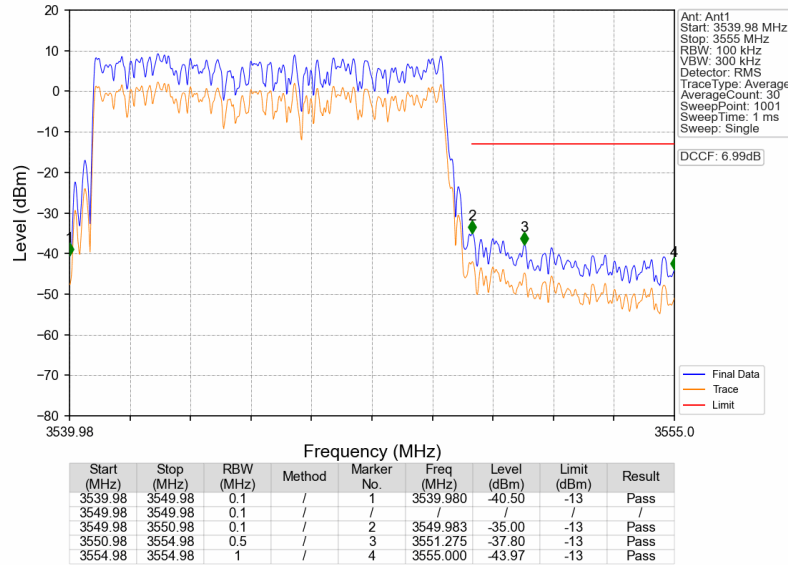
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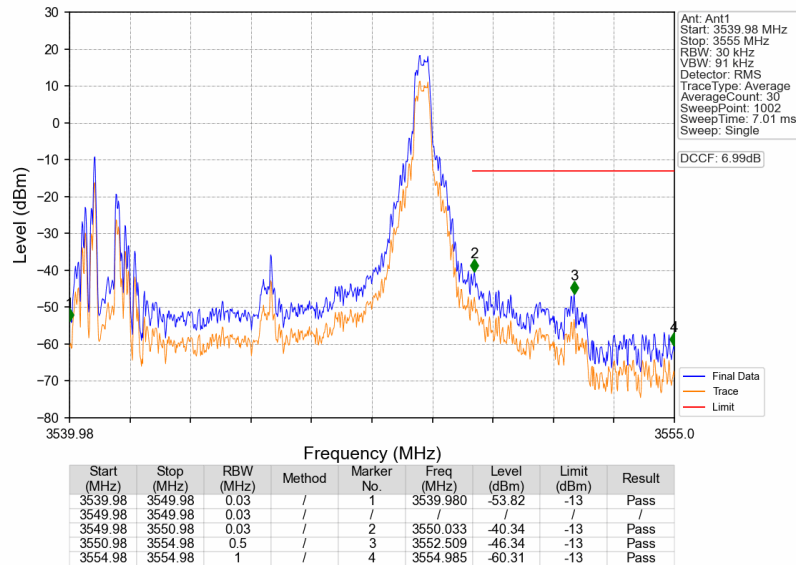
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3544.98MHz_Outer_Full



n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3544.98MHz_Inner_1RB_Right



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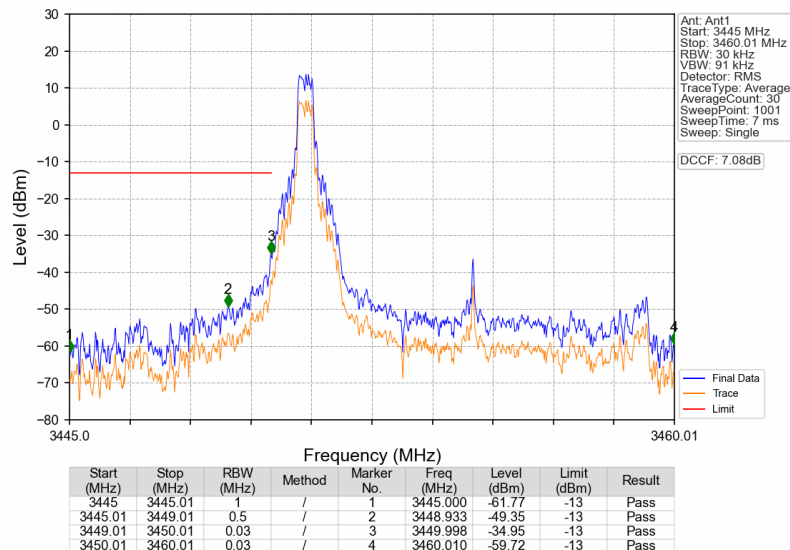
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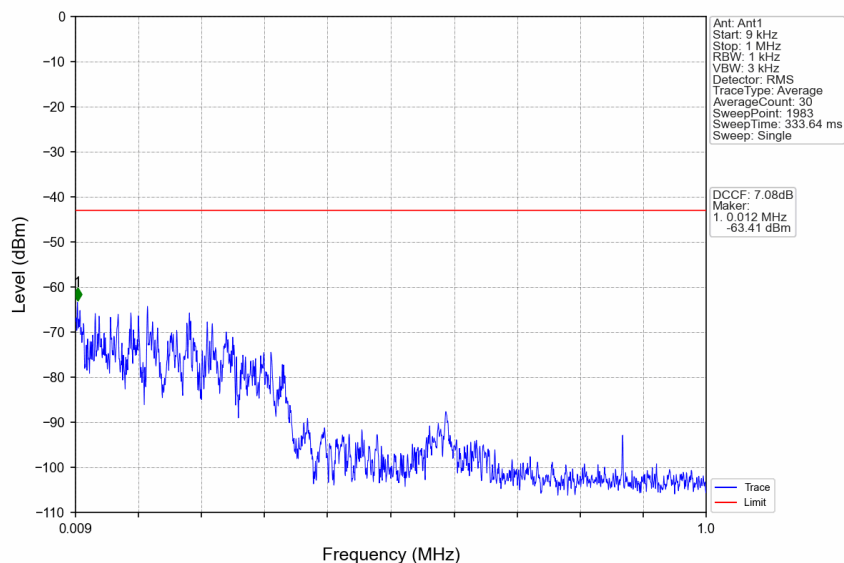
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n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3455.01MHz_Edge_1RB_Left



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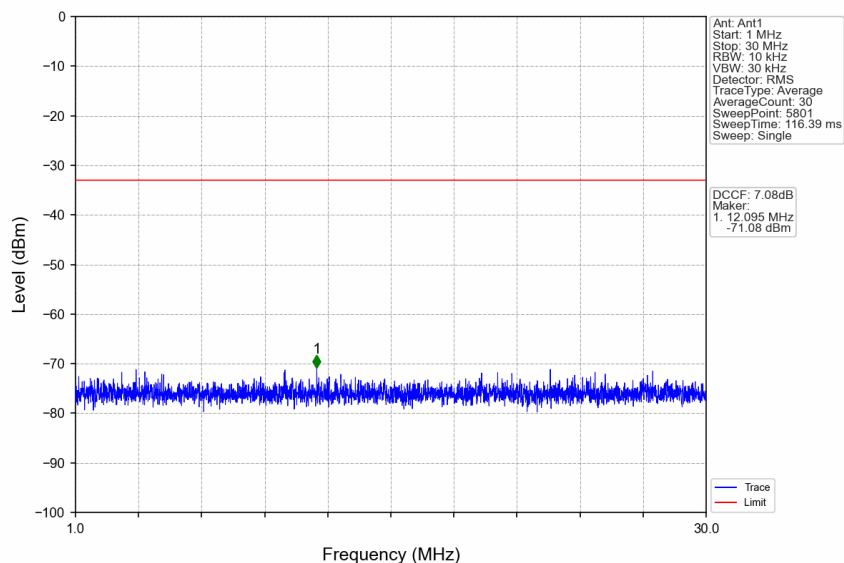
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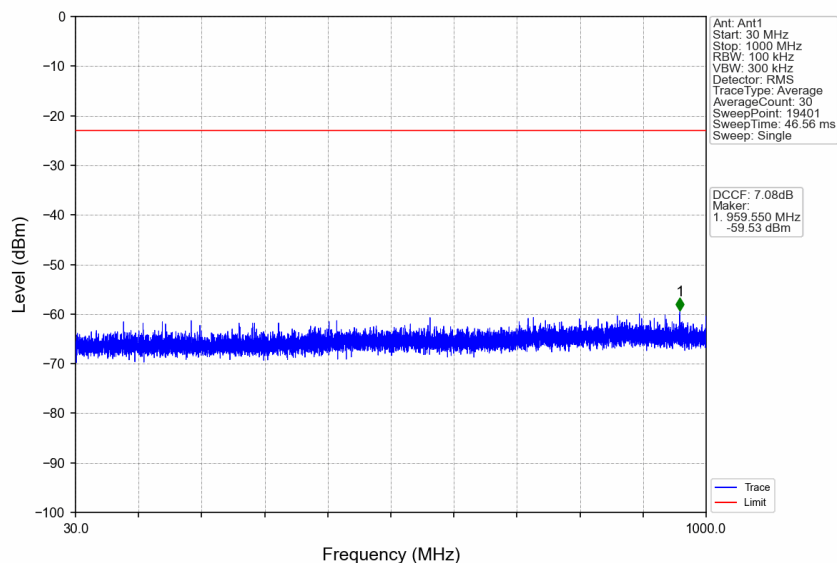
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n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3455.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3455.01MHz_Edge_1RB_Left



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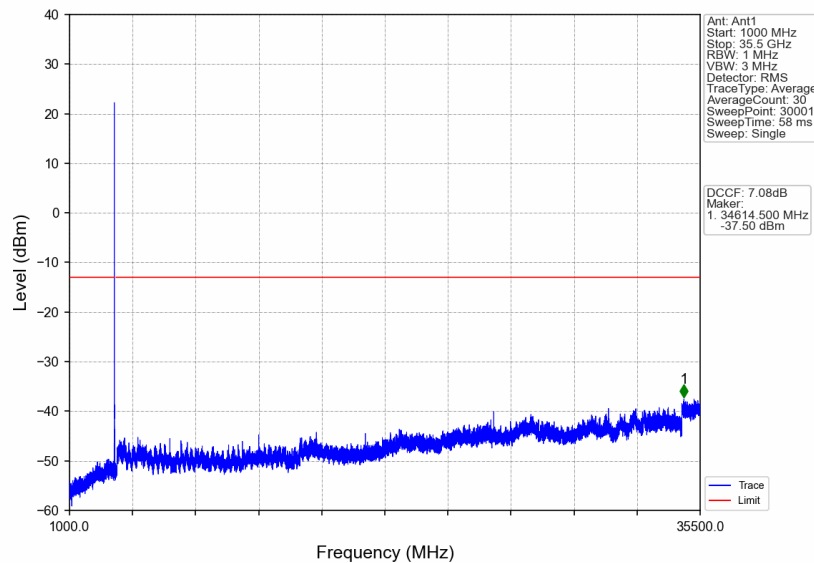


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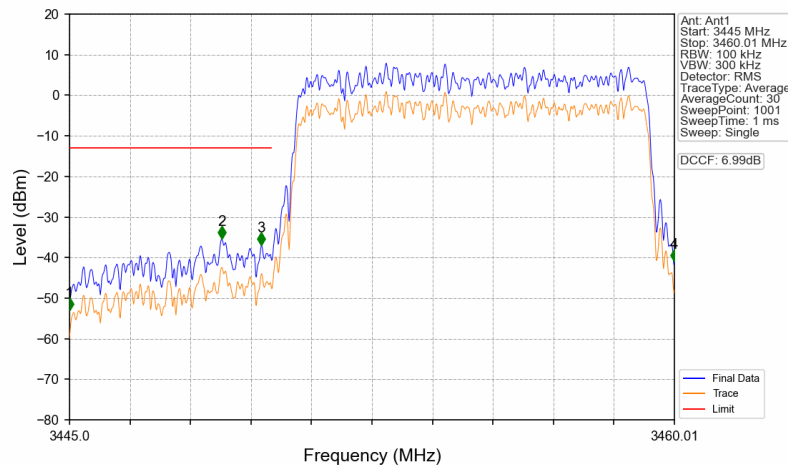
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n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3455.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3455.01MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.01	1	/	1	3445.000	-52.98	-13	Pass
3445.01	3449.01	0.5	/	2	3448.783	-35.45	-13	Pass
3449.01	3450.01	0.1	/	3	3449.758	-37.03	-13	Pass
3450.01	3460.01	0.1	/	4	3460.010	-41.07	-13	Pass



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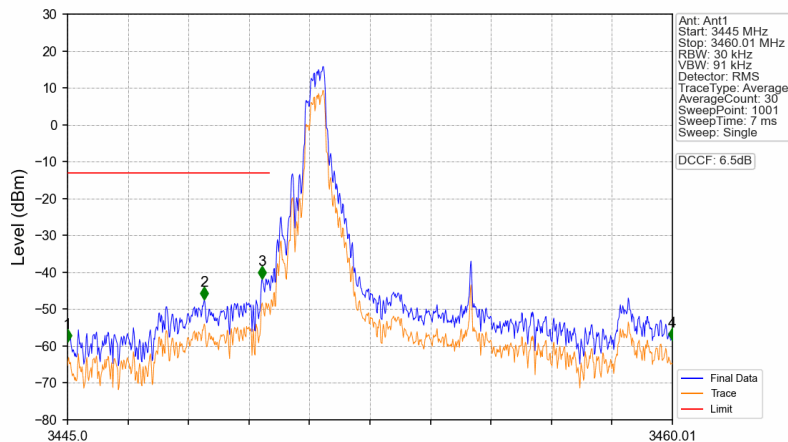
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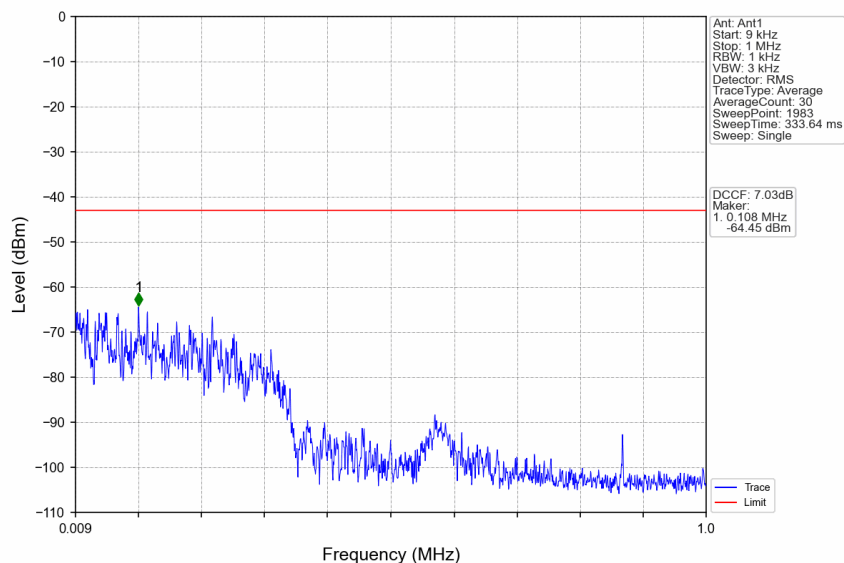
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n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3455.01MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.01	1	/	1	3445.000	-58.80	-13	Pass
3445.01	3449.01	0.5	/	2	3448.392	-47.50	-13	Pass
3449.01	3450.01	0.03	/	3	3449.833	-41.80	-13	Pass
3450.01	3460.01	0.03	/	4	3460.010	-58.42	-13	Pass

n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



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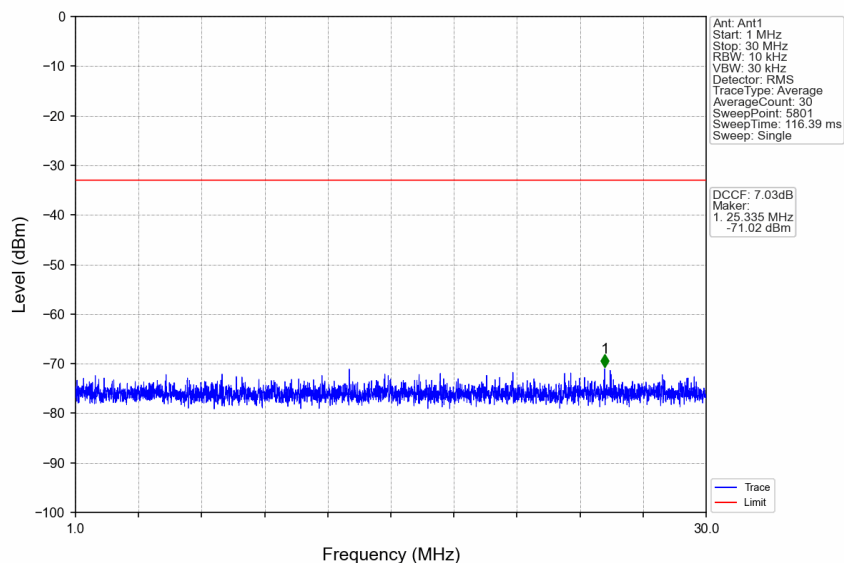
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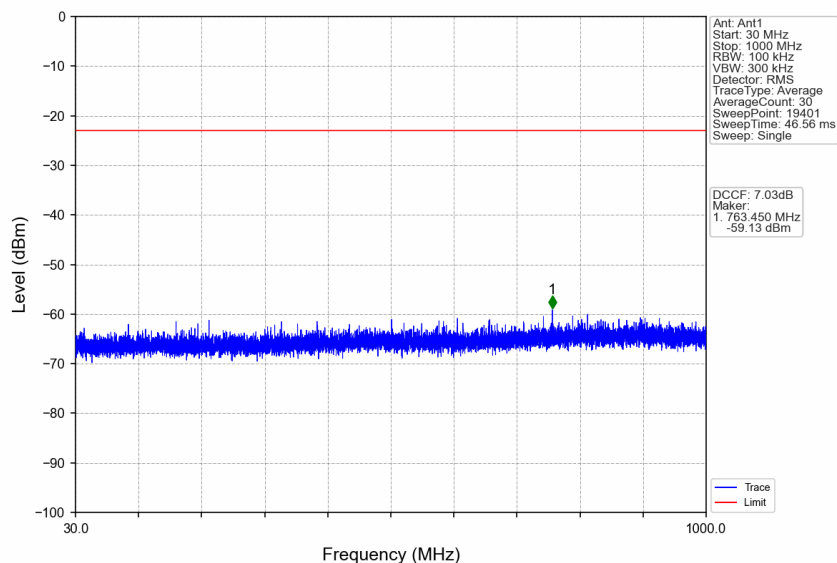
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n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



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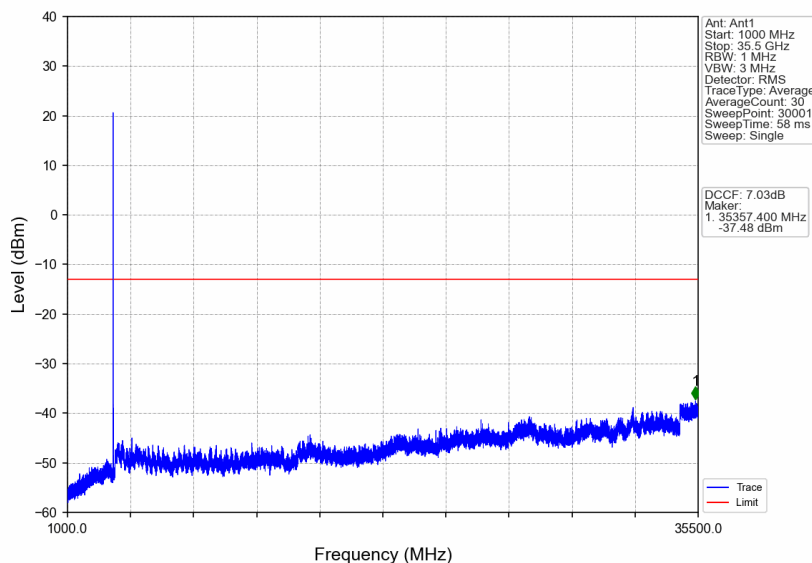
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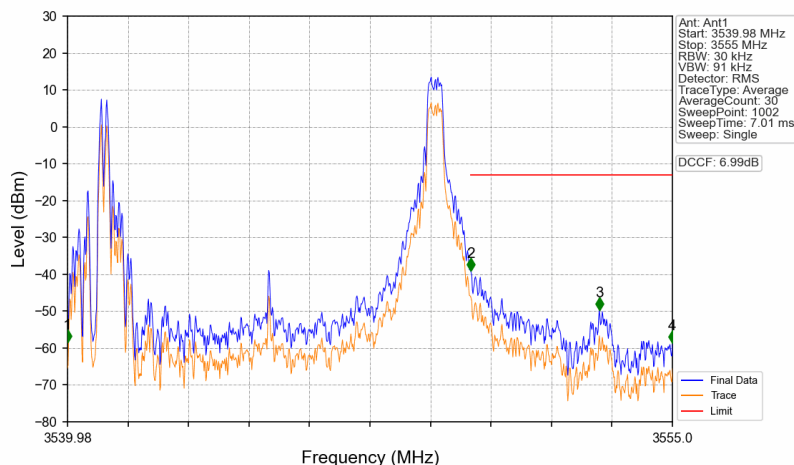
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n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3544.98MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3539.98	3549.98	0.03	/	1	3539.980	-58.48	-13	Pass
3549.98	3549.98	0.03	/	1	/	/	/	/
3549.98	3550.98	0.03	/	2	3549.988	-39.02	-13	Pass
3550.98	3554.98	0.5	/	3	3553.184	-49.69	-13	Pass
3554.98	3554.98	1	/	4	3555.000	-58.64	-13	Pass



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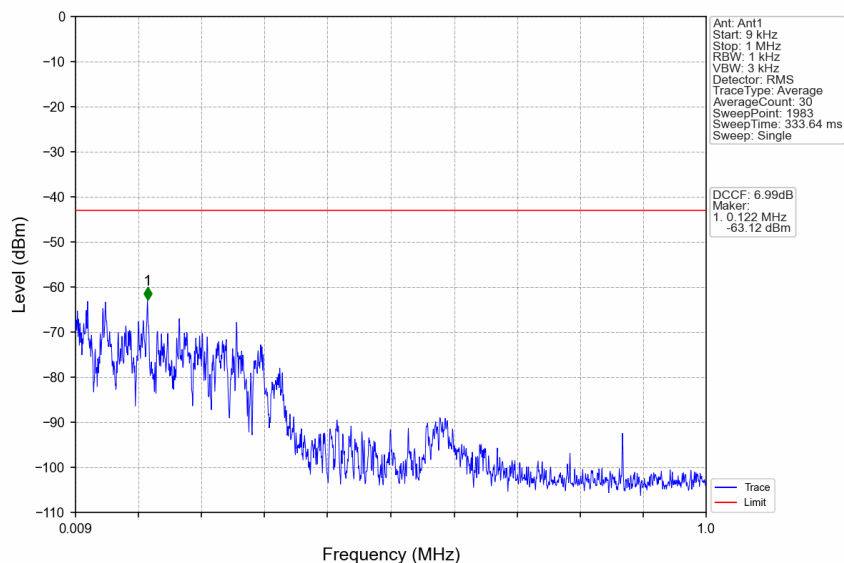
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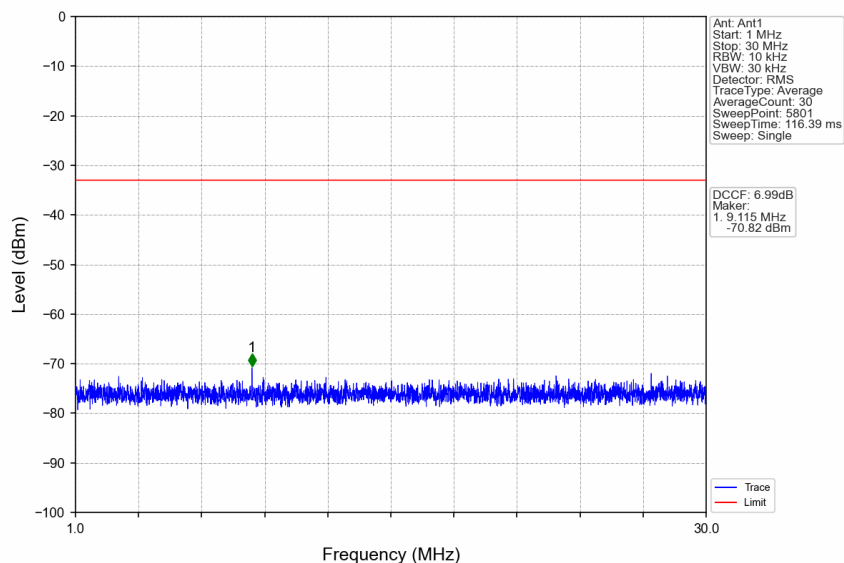
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n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3544.98MHz_Edge_1RB_Right



n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3544.98MHz_Edge_1RB_Right



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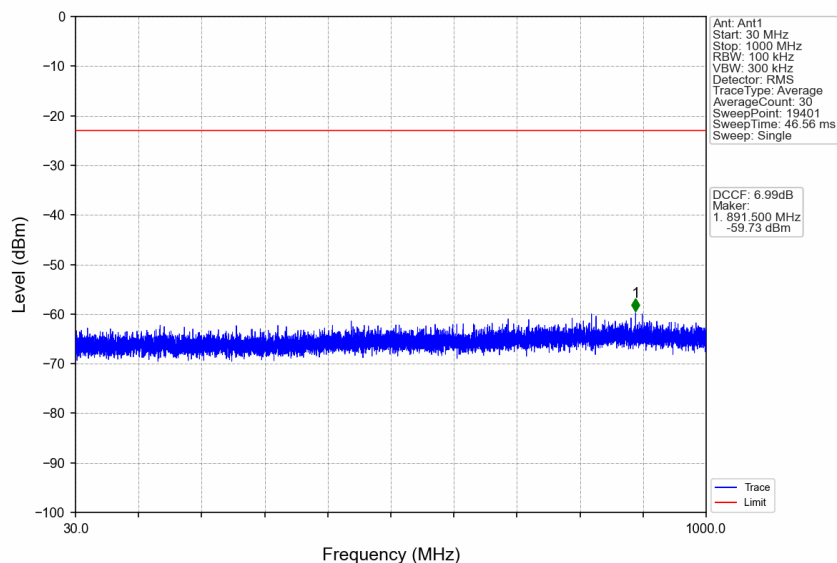


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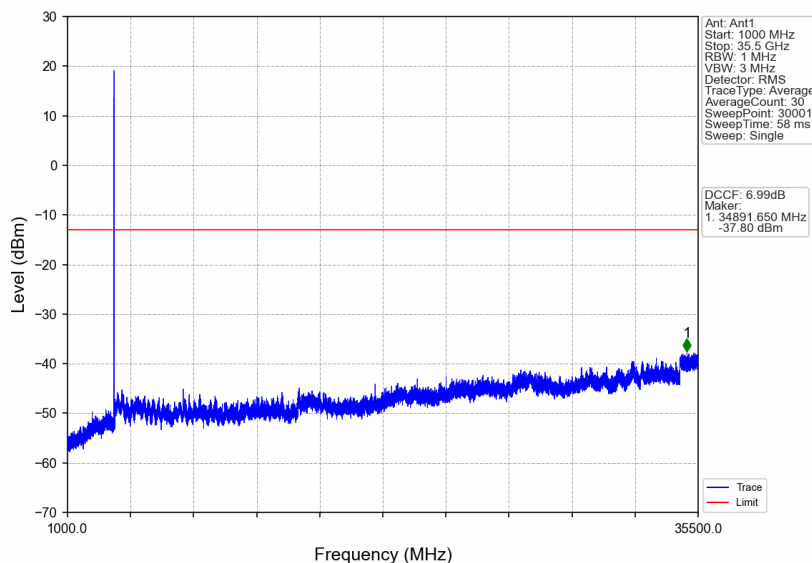
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n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3544.98MHz_Edge_1RB_Right



n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3544.98MHz_Edge_1RB_Right



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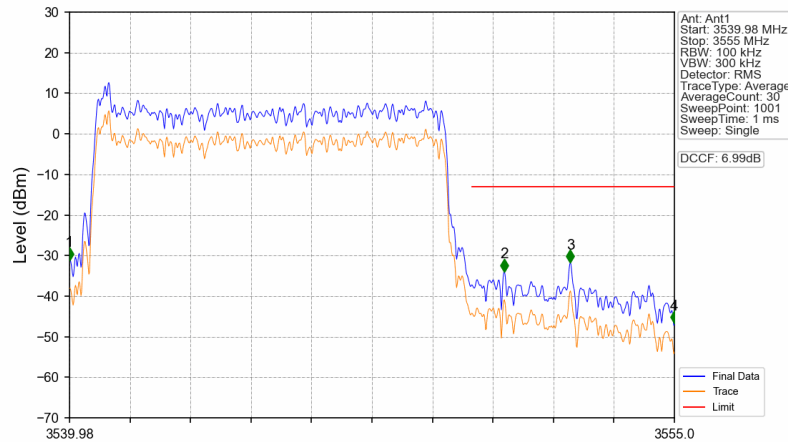
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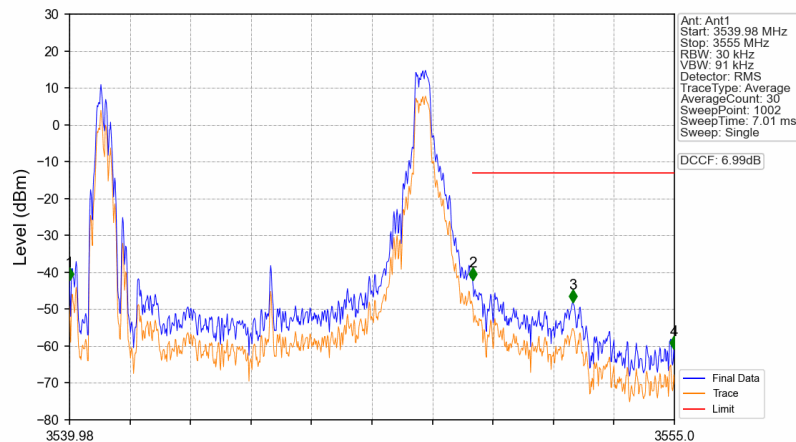
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n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3544.98MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3539.98	3549.98	0.1	/	1	3539.980	-31.14	-13	Pass
3549.98	3549.98	0.1	/	/	/	/	/	/
3549.98	3550.98	0.1	/	2	3550.779	-33.93	-13	Pass
3550.98	3554.98	0.5	/	3	3552.417	-31.73	-13	Pass
3554.98	3554.98	1	/	4	3555.000	-46.79	-13	Pass

n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3544.98MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3539.98	3549.98	0.03	/	1	3539.980	-42.21	-13	Pass
3549.98	3549.98	0.03	/	/	/	/	/	/
3549.98	3550.98	0.03	/	2	3549.988	-42.21	-13	Pass
3550.98	3554.98	0.5	/	3	3552.479	-48.22	-13	Pass
3554.98	3554.98	1	/	4	3554.985	-60.80	-13	Pass



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6.9 30k_SISO_15MHz_NTNV

6.9.1 Test Result

5G NR n77d SCS=30kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3457.5	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
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3542.49	Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3457.5	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
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3542.49	Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3457.5	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
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3542.49	Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass



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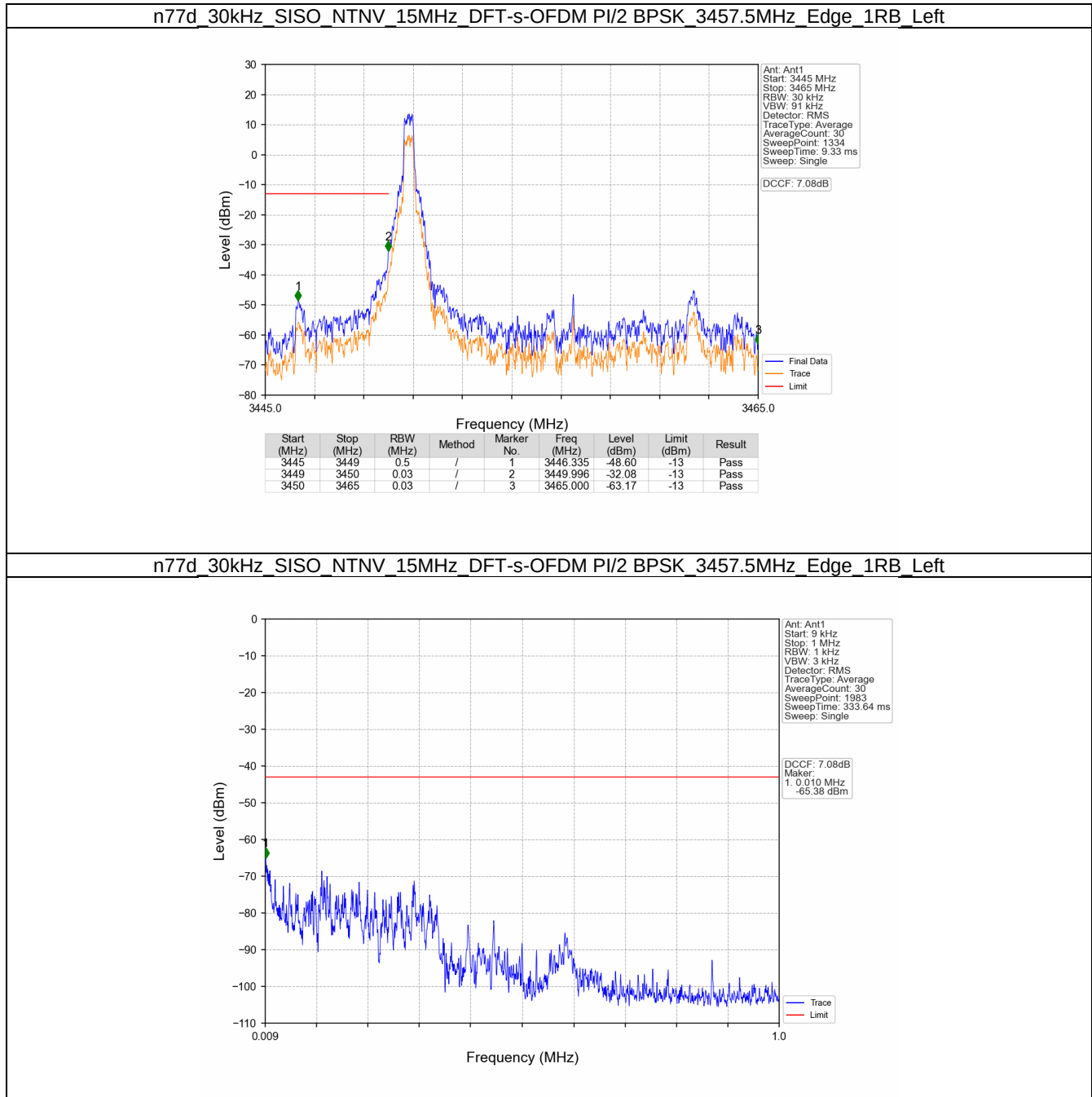
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6.9.2 Test Graph



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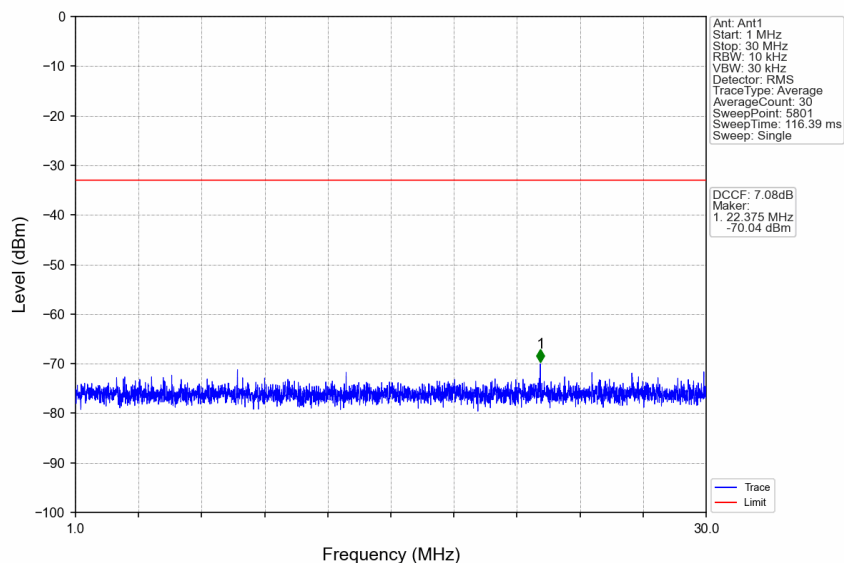


Report No.: SEWM2311000456RG02

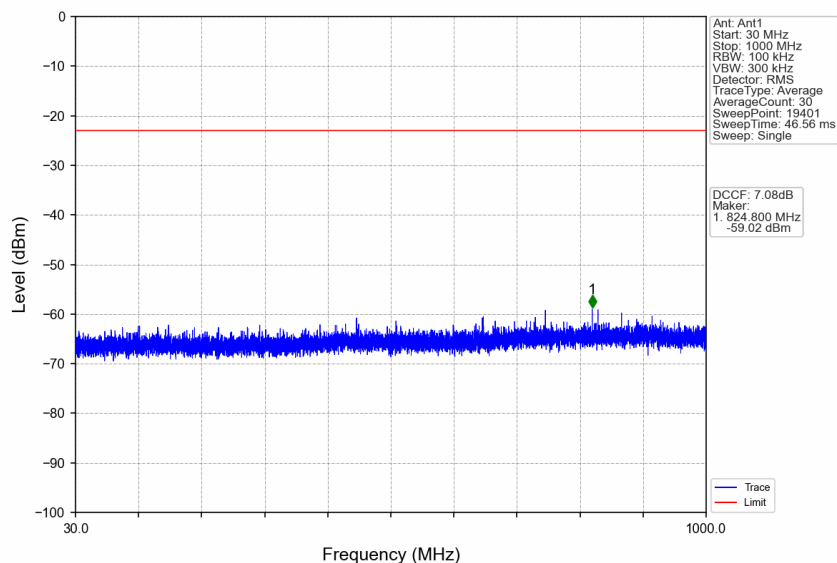
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n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_3457.5MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_3457.5MHz_Edge_1RB_Left



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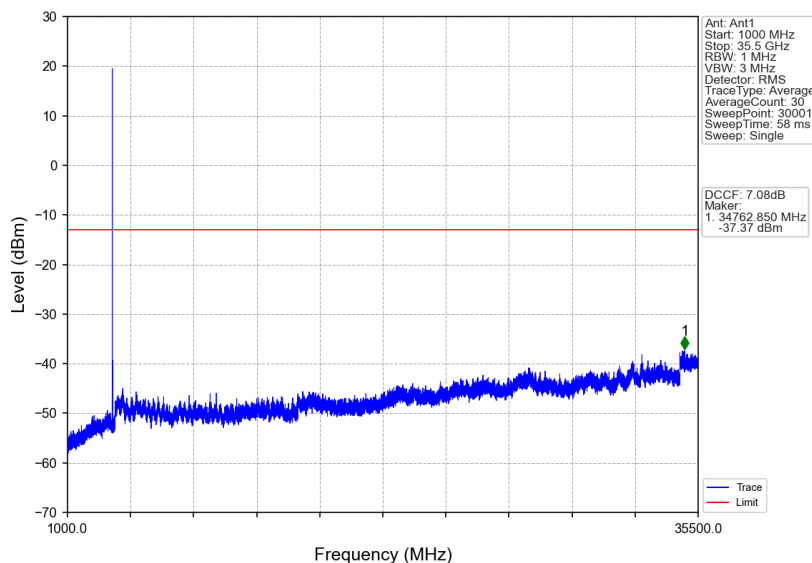


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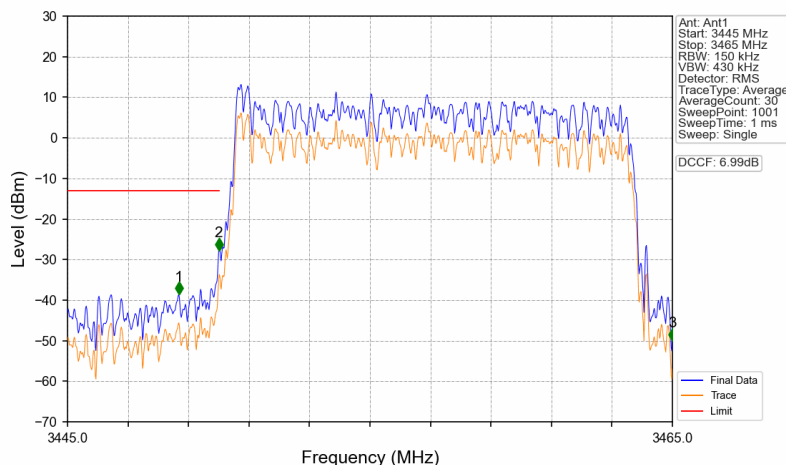
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n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3457.5MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_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	3448.680	-38.61	-13	Pass
3449	3450	0.15	/	2	3450.000	-27.78	-13	Pass
3450	3465	0.15	/	3	3465.000	-49.98	-13	Pass



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