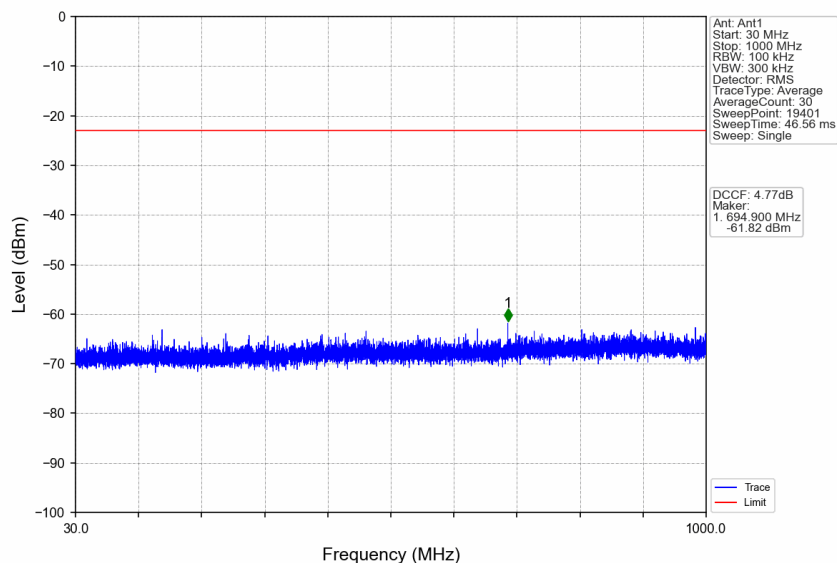


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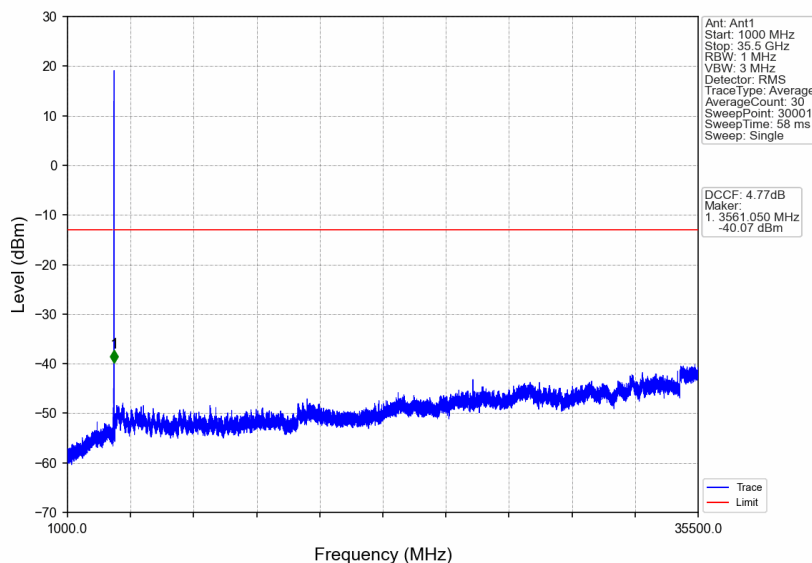
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n77d_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_QPSK_3537.495MHz_Edge_1RB_Right



n77d_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_QPSK_3537.495MHz_Edge_1RB_Right



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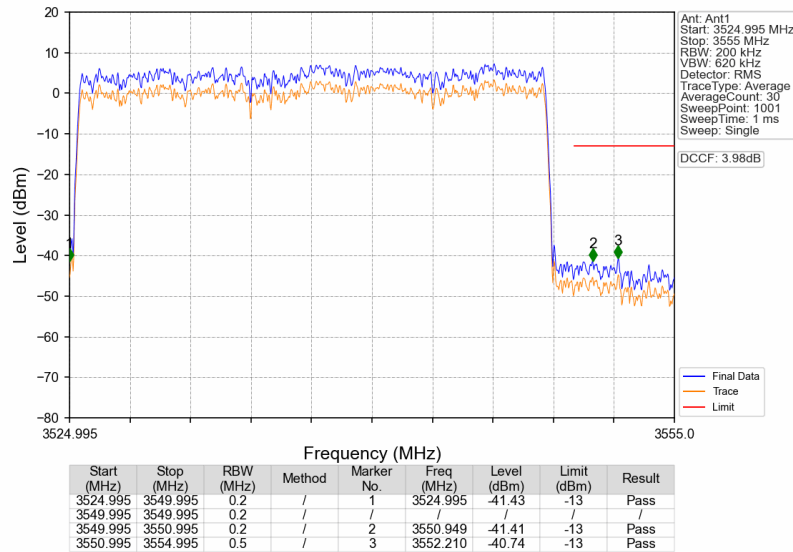
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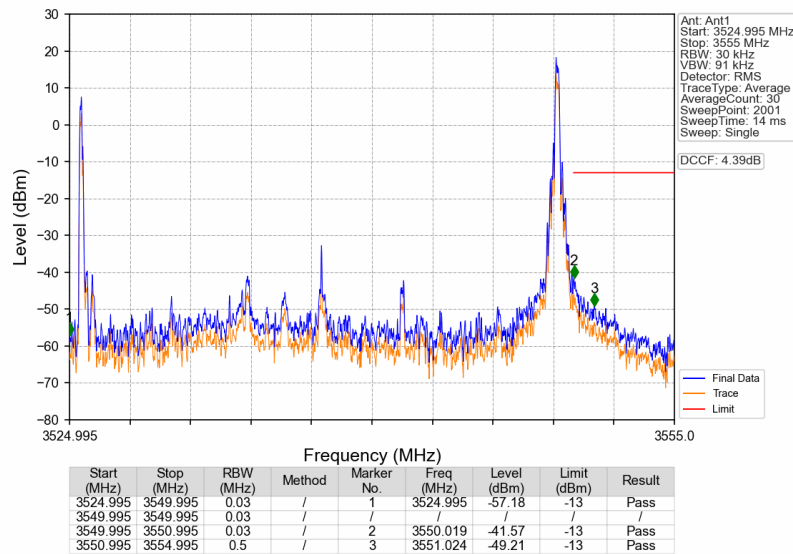
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n77d_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_QPSK_3537.495MHz_Outer_Full



n77d_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_QPSK_3537.495MHz_Inner_1RB_Right



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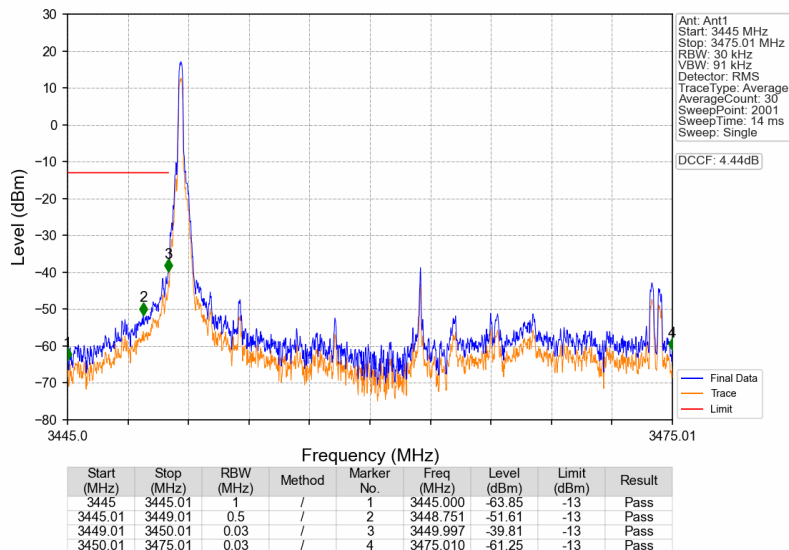
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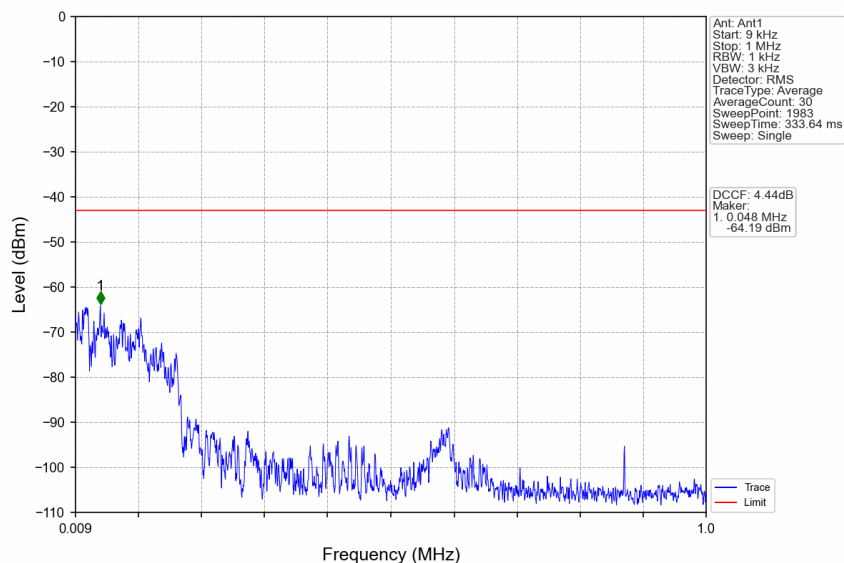
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n77d_15kHz_SISO_NTNV_25MHz_CP-OFDM_QPSK_3462.51MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_25MHz_CP-OFDM_QPSK_3462.51MHz_Edge_1RB_Left



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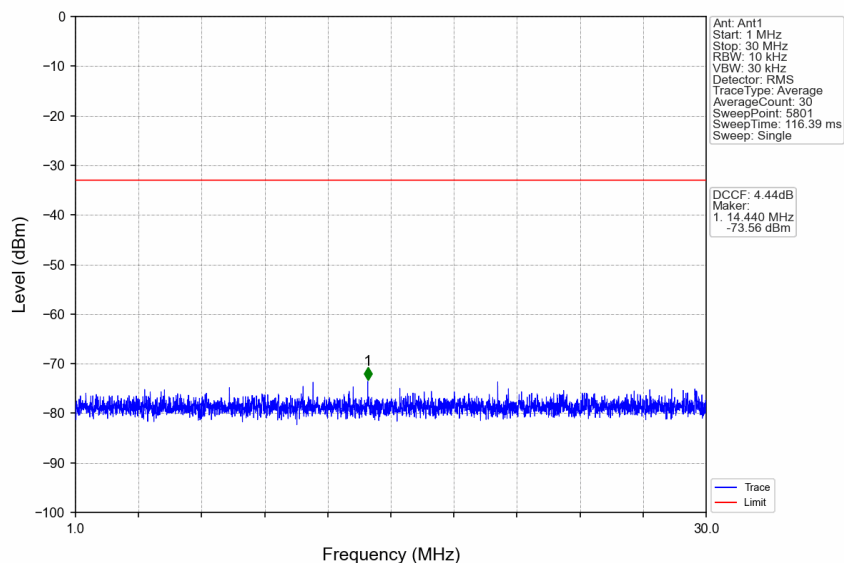
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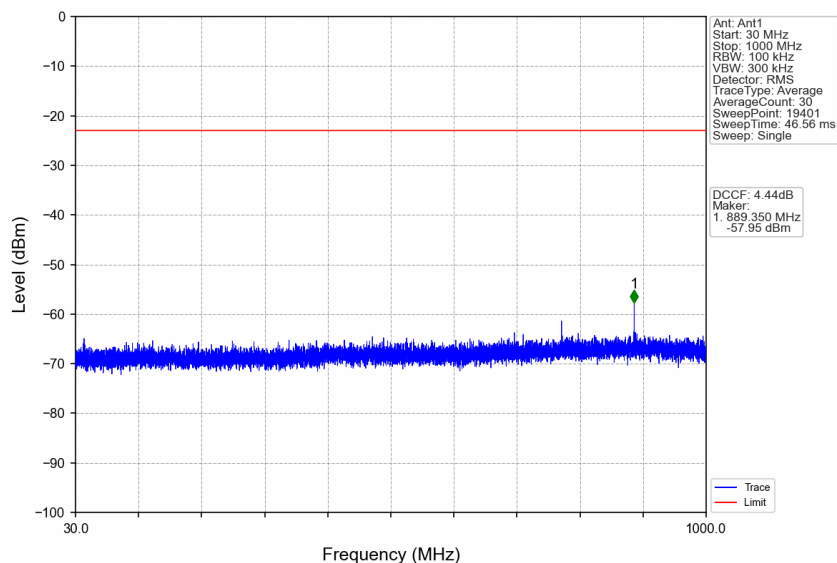
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n77d_15kHz_SISO_NTNV_25MHz_CP-OFDM_QPSK_3462.51MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_25MHz_CP-OFDM_QPSK_3462.51MHz_Edge_1RB_Left



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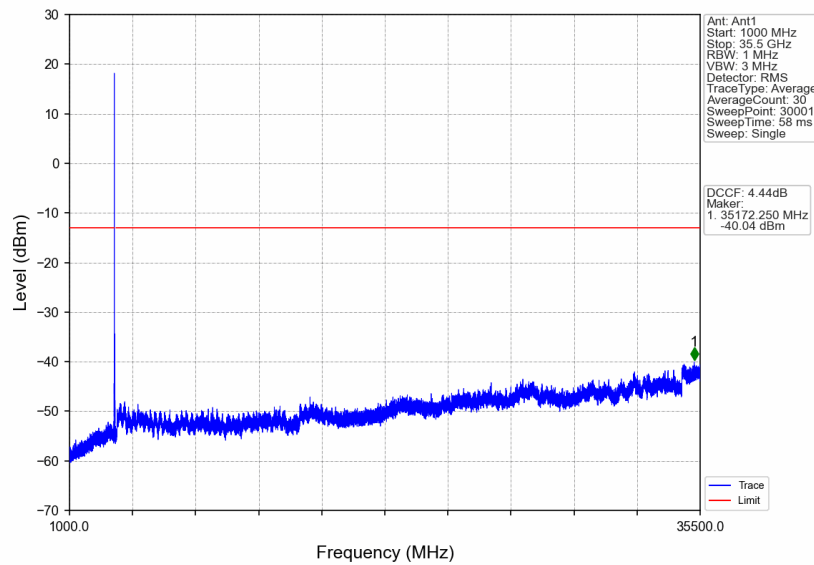
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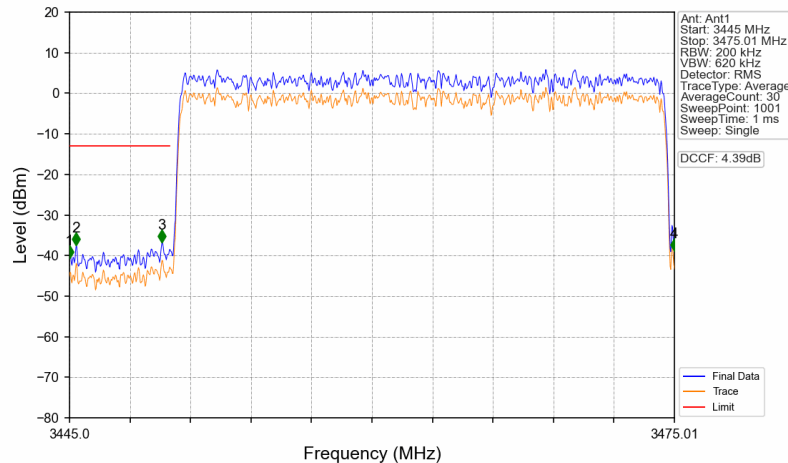
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n77d_15kHz_SISO_NTNV_25MHz_CP-OFDM_QPSK_3462.51MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_25MHz_CP-OFDM_QPSK_3462.51MHz_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	-40.72	-13	Pass
3445.01	3449.01	0.5	/	2	3445.330	-37.53	-13	Pass
3449.01	3450.01	0.2	/	3	3449.592	-36.78	-13	Pass
3450.01	3475.01	0.2	/	4	3475.010	-38.97	-13	Pass



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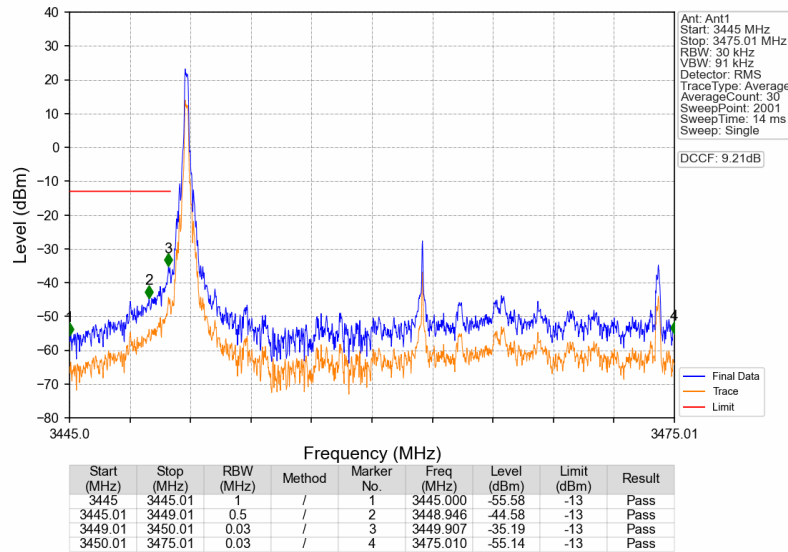
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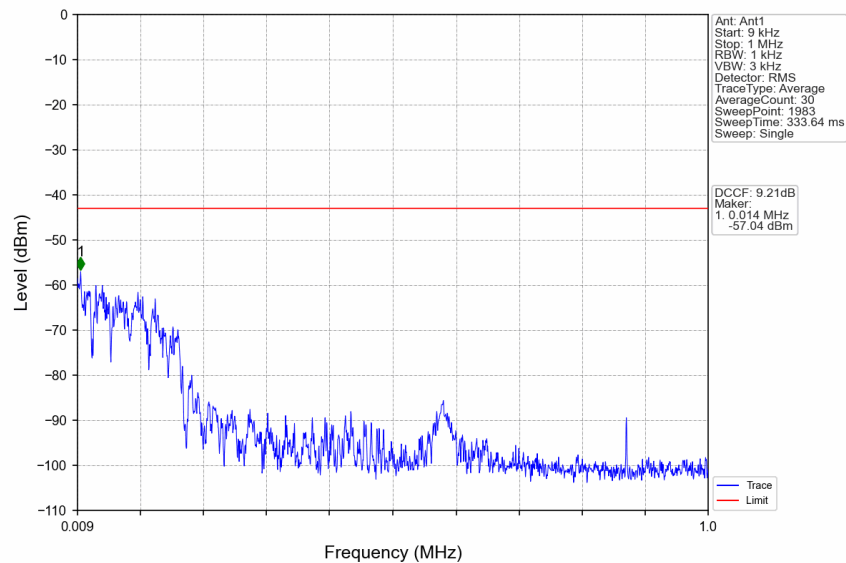
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n77d 15kHz SISO_NTNV_25MHz_CP-OFDM QPSK_3462.51MHz_Inner_1RB_Left



n77d 15kHz SISO_NTNV_25MHz_CP-OFDM QPSK_3499.995MHz_Edge_1RB_Left



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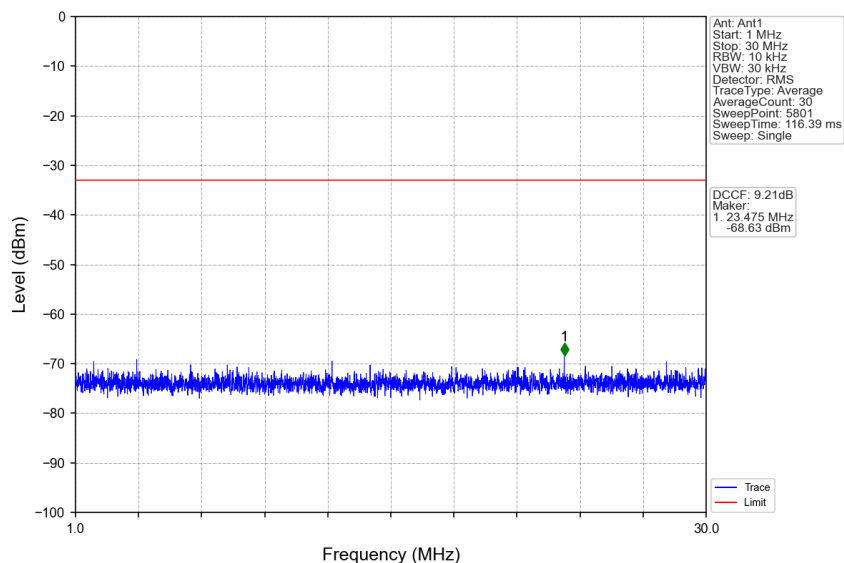
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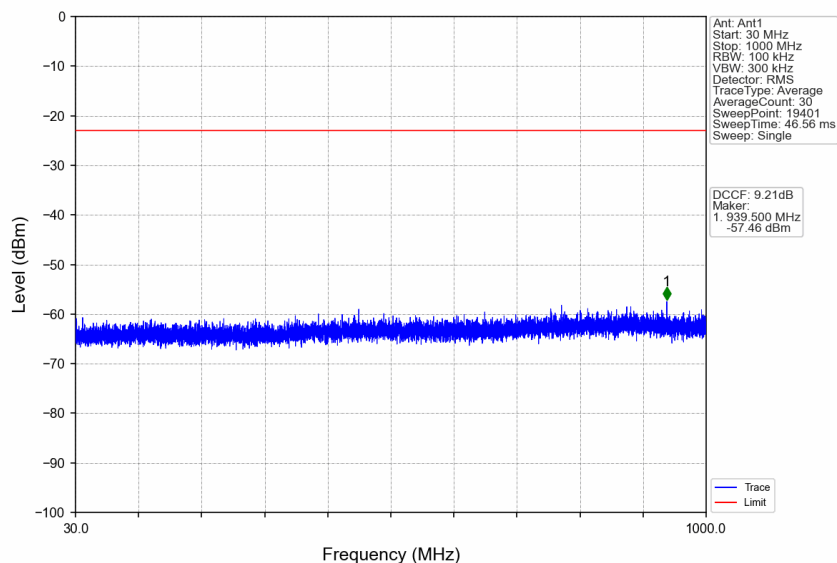
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n77d_15kHz_SISO_NTNV_25MHz_CP-OFDM_QPSK_3499.995MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_25MHz_CP-OFDM_QPSK_3499.995MHz_Edge_1RB_Left



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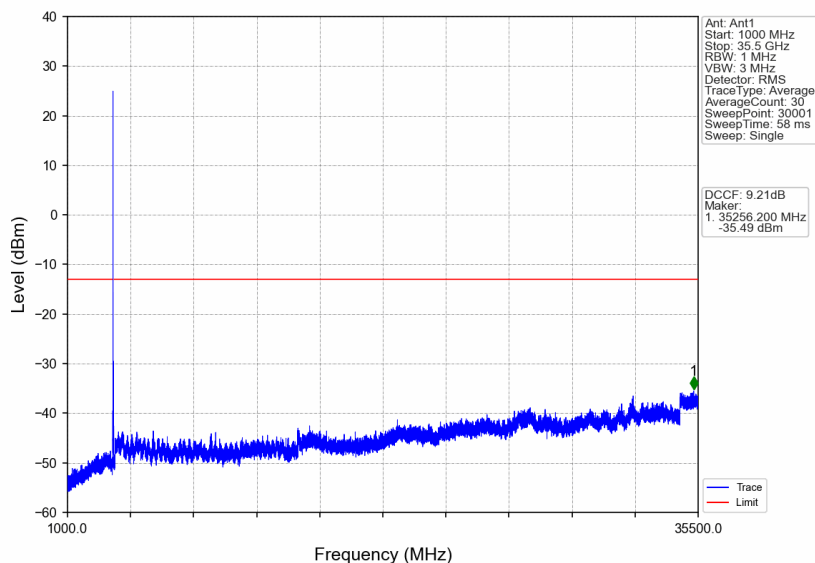


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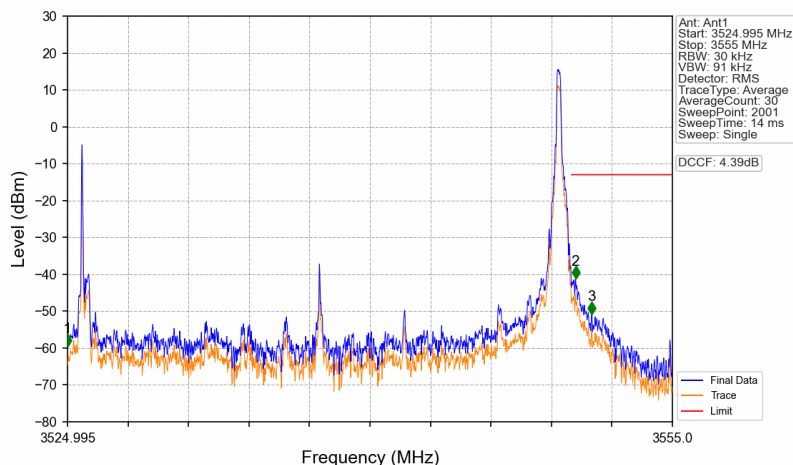
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n77d_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3499.995MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3537.495MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3524.995	3549.995	0.03	/	1	3524.995	-59.55	-13	Pass
3549.995	3549.995	0.03	/	/	/	/	/	/
3549.995	3550.995	0.03	/	2	3550.199	-41.22	-13	Pass
3550.995	3554.995	0.5	/	3	3551.009	-50.80	-13	Pass



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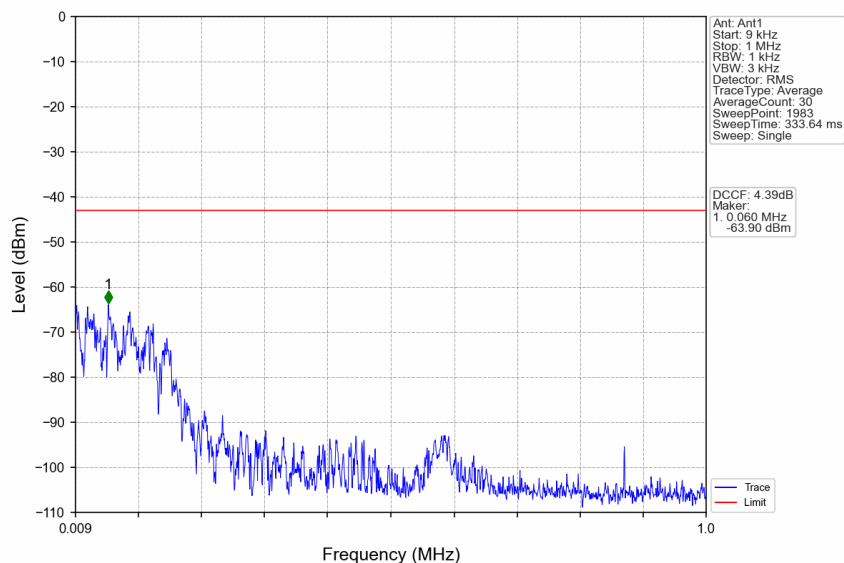
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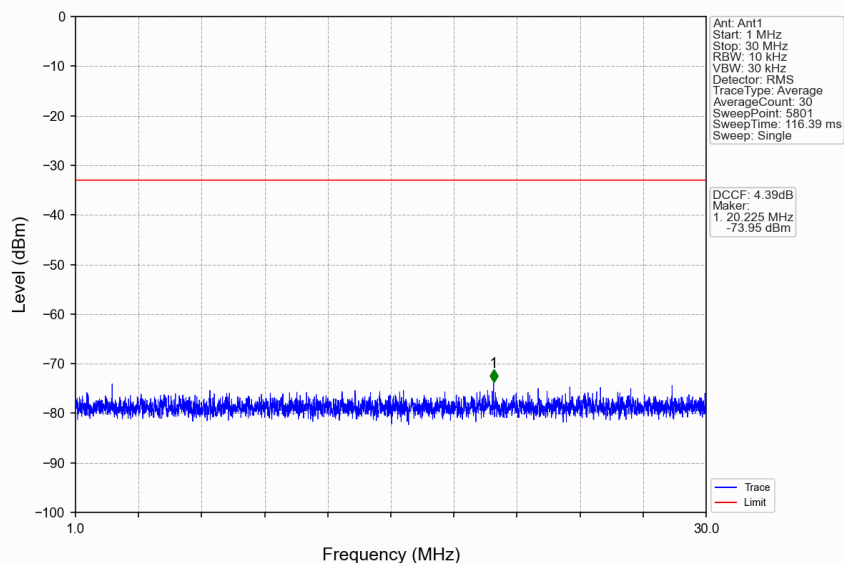
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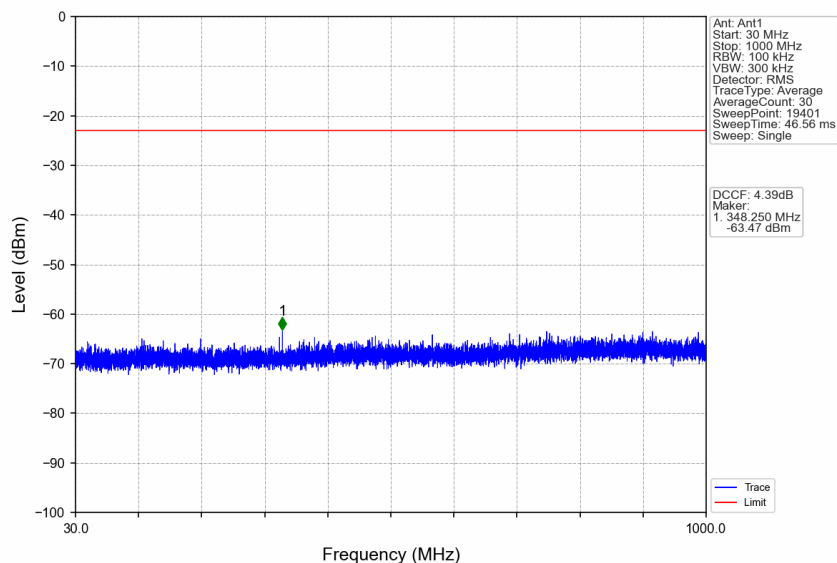
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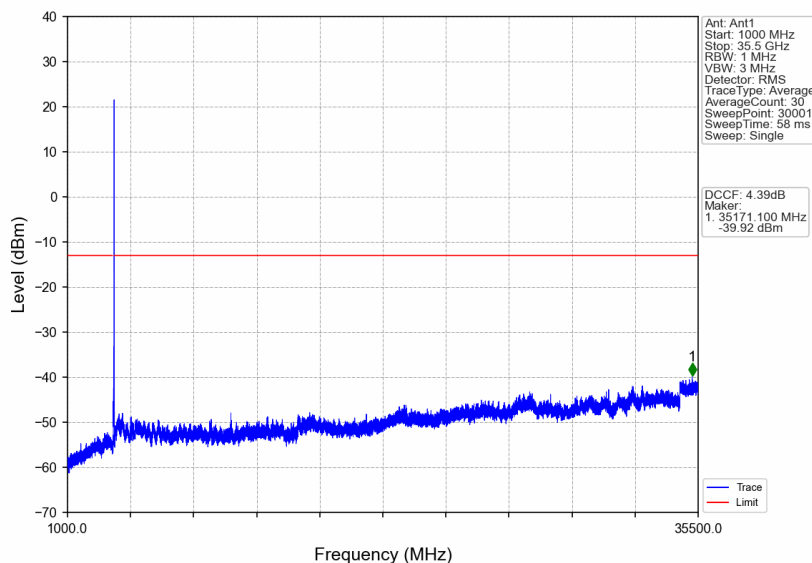
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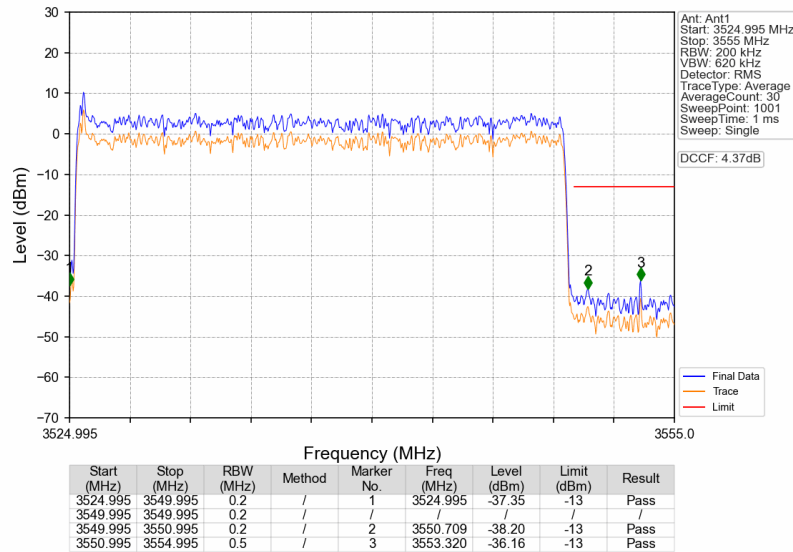
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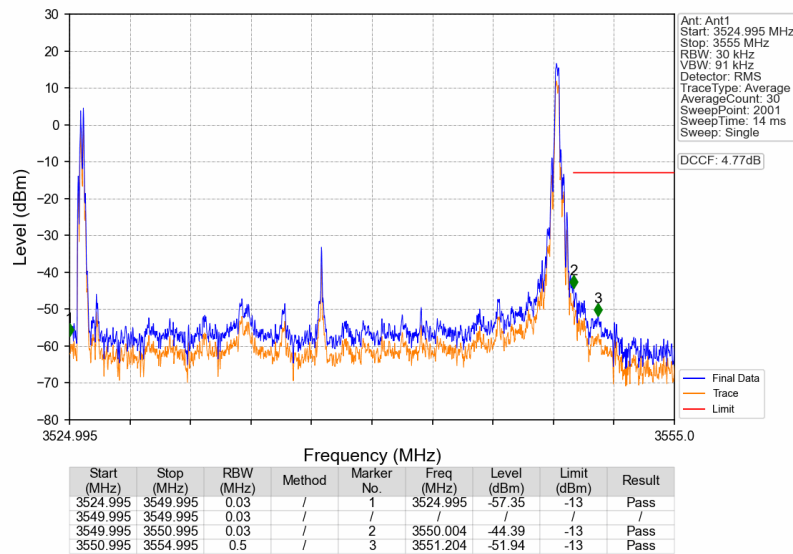
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n77d_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3537.495MHz_Outer_Full



n77d_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3537.495MHz_Inner_1RB_Right



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6.5 15k_SISO_30MHz_NTNV

6.5.1 Test Result

5G NR n77d SCS=15kHz SISO 30MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant5	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3465	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3499.995	Edge_1RB_Left	Refer To Test Graph				Pass	
		3534.99	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3465		Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3499.995	Inner_1RB_Left	Refer To Test Graph				Pass	
		3534.99	Edge_1RB_Left	Refer To Test Graph				Pass
			Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	3465		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass	
		Inner_1RB_Left	Refer To Test Graph				Pass	
	3499.995	Edge_1RB_Left	Refer To Test Graph				Pass	
		3534.99	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
3534.99	Inner_1RB_Right		Refer To Test Graph				Pass	



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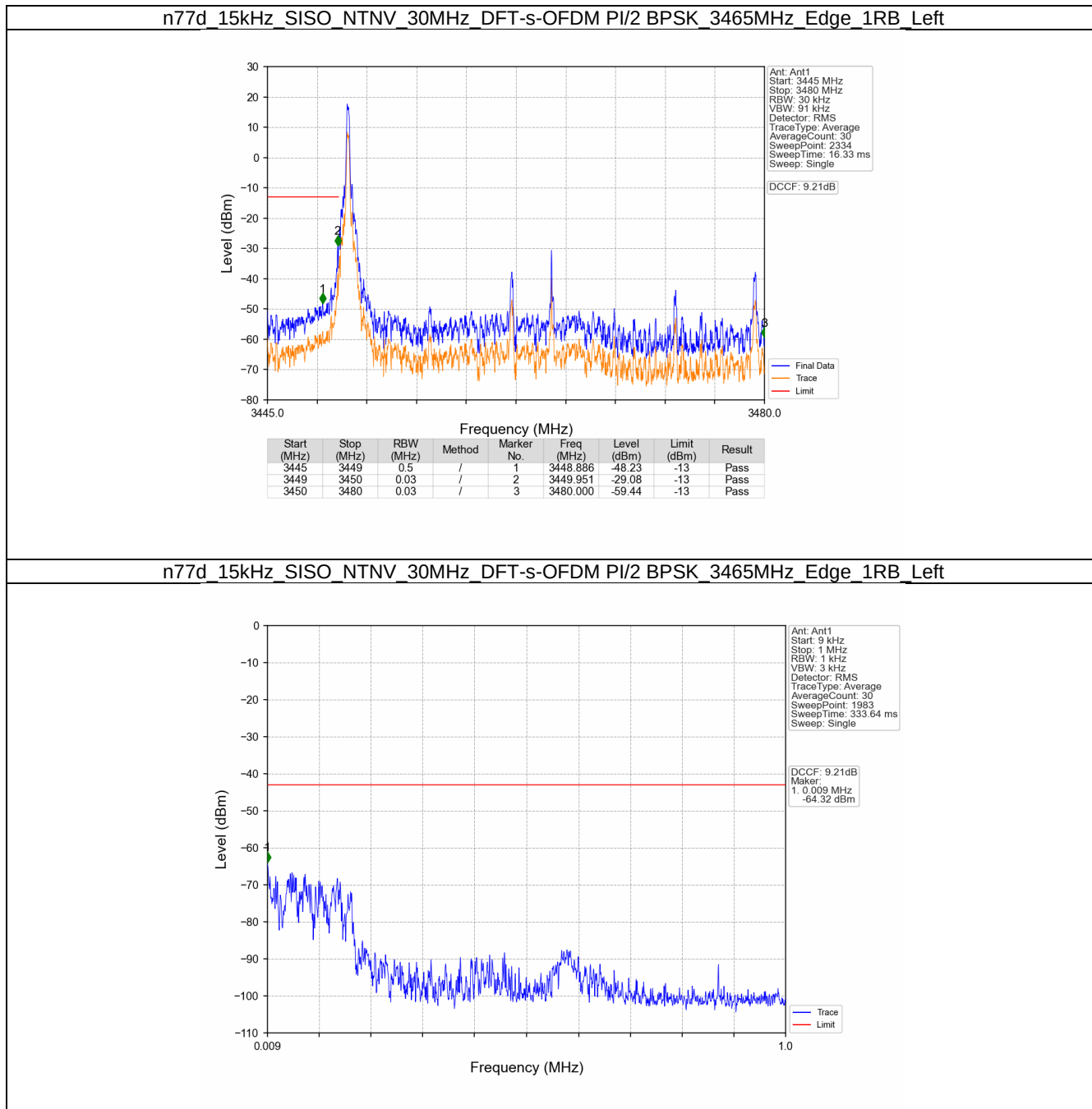
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6.5.2 Test Graph



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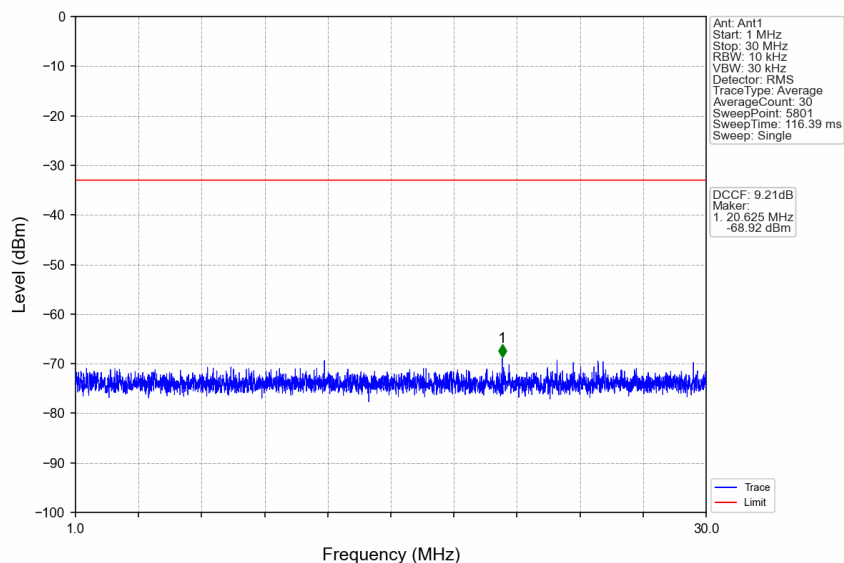


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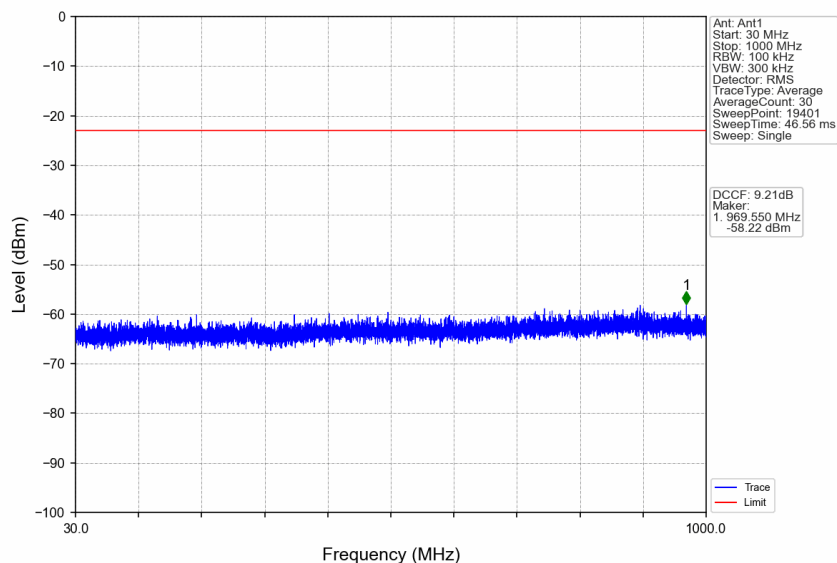
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n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Edge_1RB_Left



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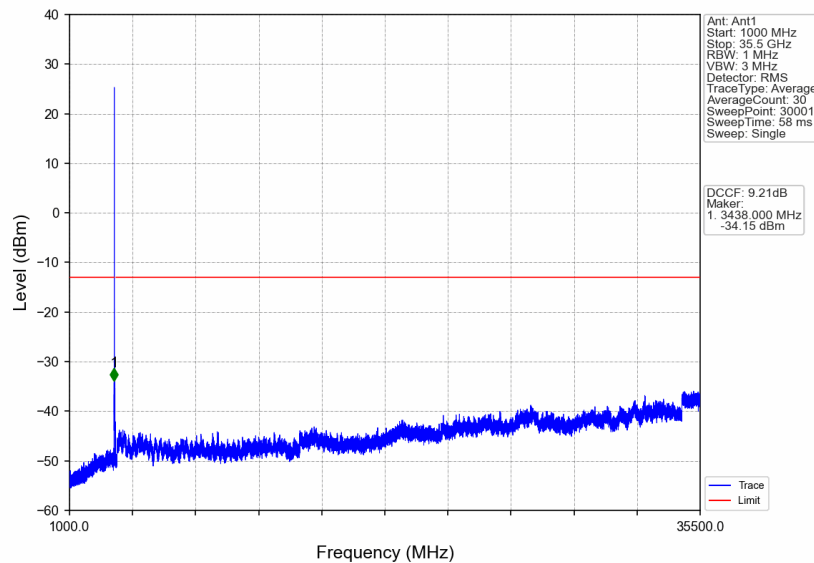
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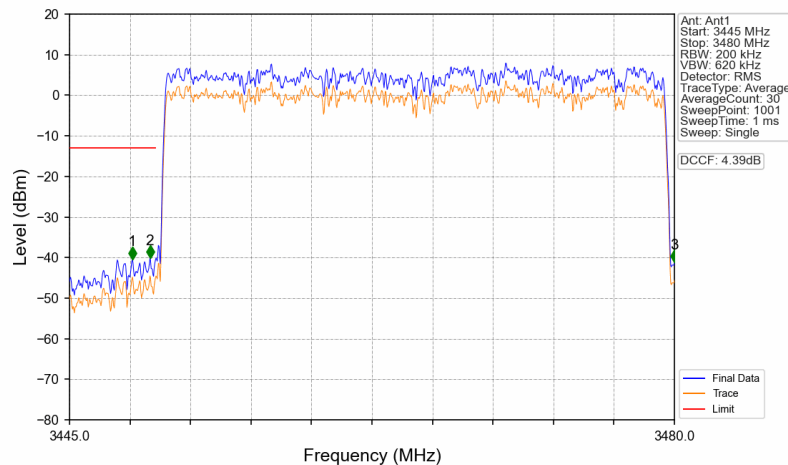
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n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	/	1	3448.640	-40.43	-13	Pass
3449	3450	0.2	/	2	3449.655	-40.14	-13	Pass
3450	3480	0.2	/	3	3480.000	-41.18	-13	Pass



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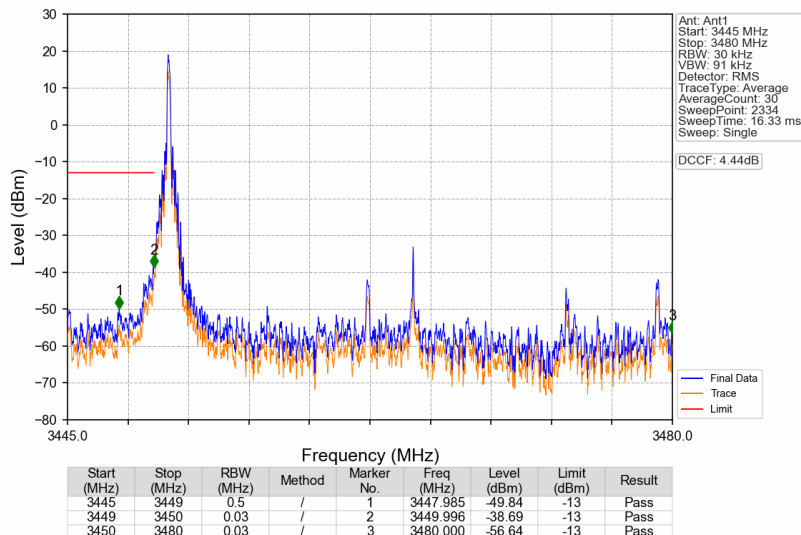
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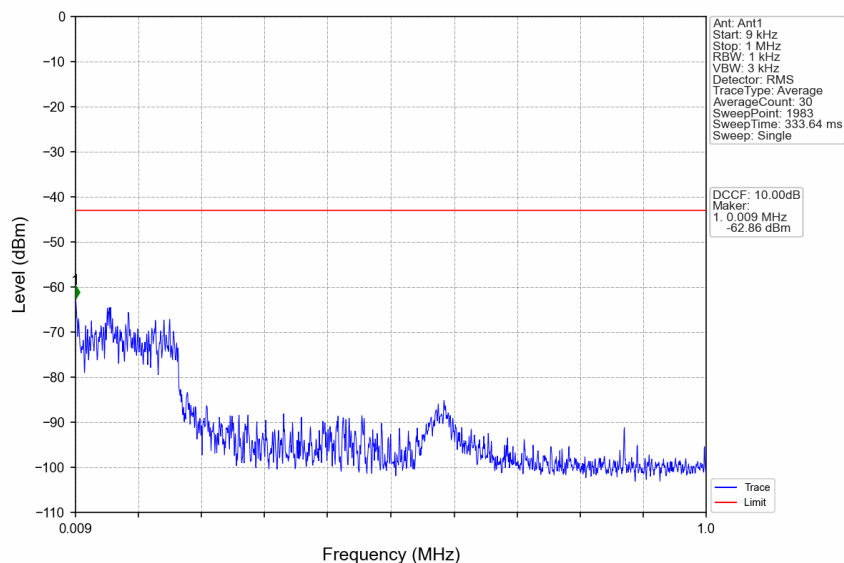
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n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Inner_1RB_Left



n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3499.995MHz_Edge_1RB_Left



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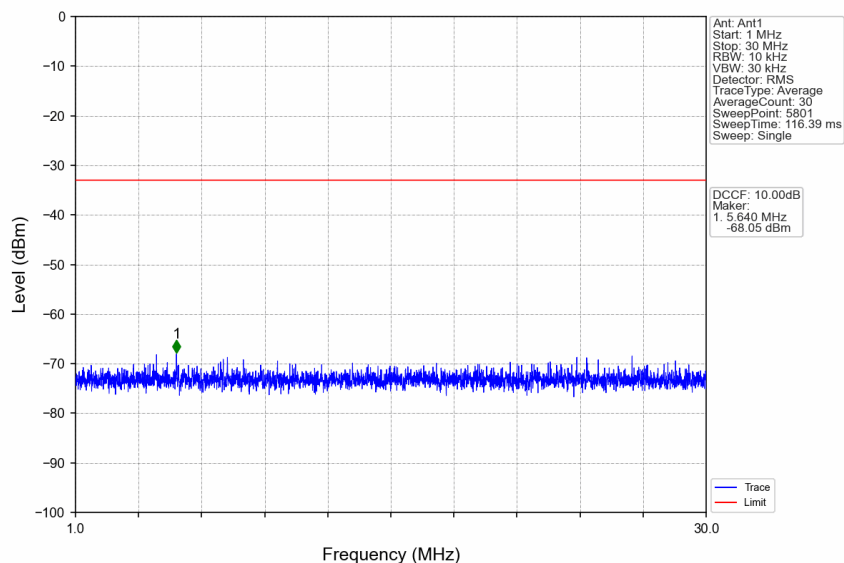


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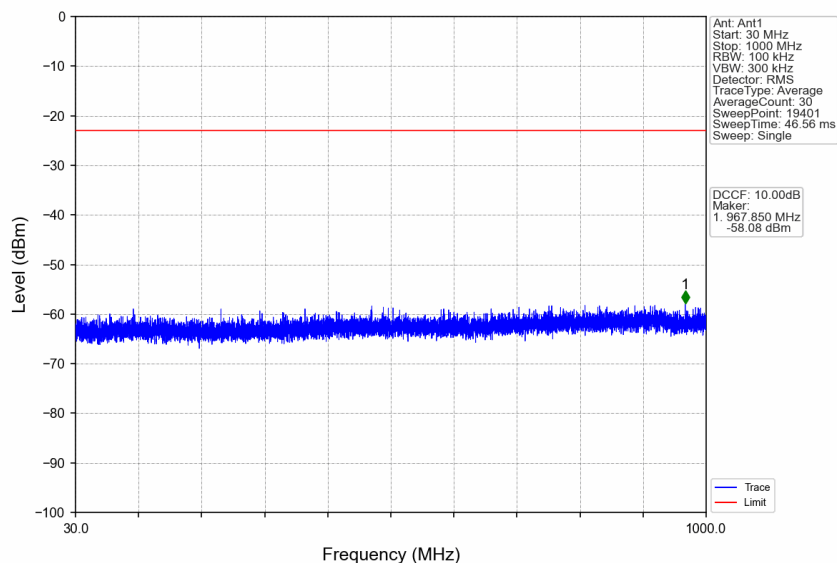
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n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3499.995MHz_Edge_1RB_Left



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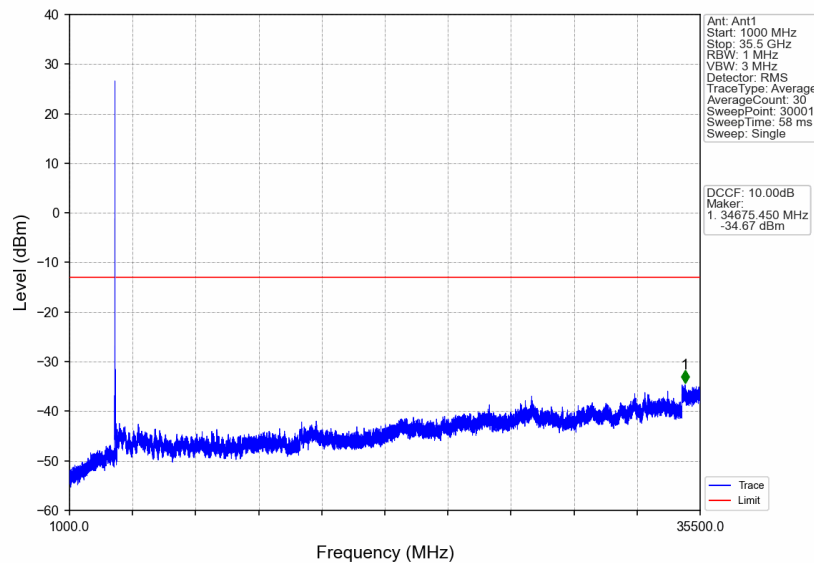


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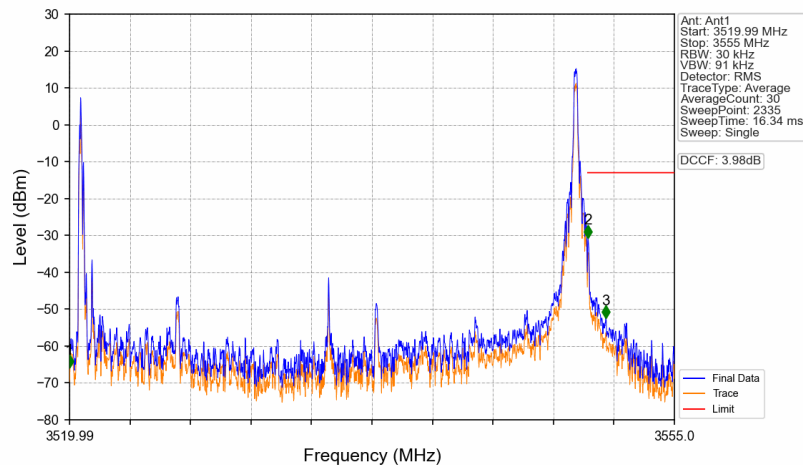
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n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3534.99MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3519.99	3549.99	0.03	/	1	3519.990	-65.80	-13	Pass
3549.99	3549.99	0.03	/	/	/	/	/	/
3549.99	3550.99	0.03	/	2	3550.005	-30.65	-13	Pass
3550.99	3554.99	0.5	/	3	3551.040	-52.40	-13	Pass



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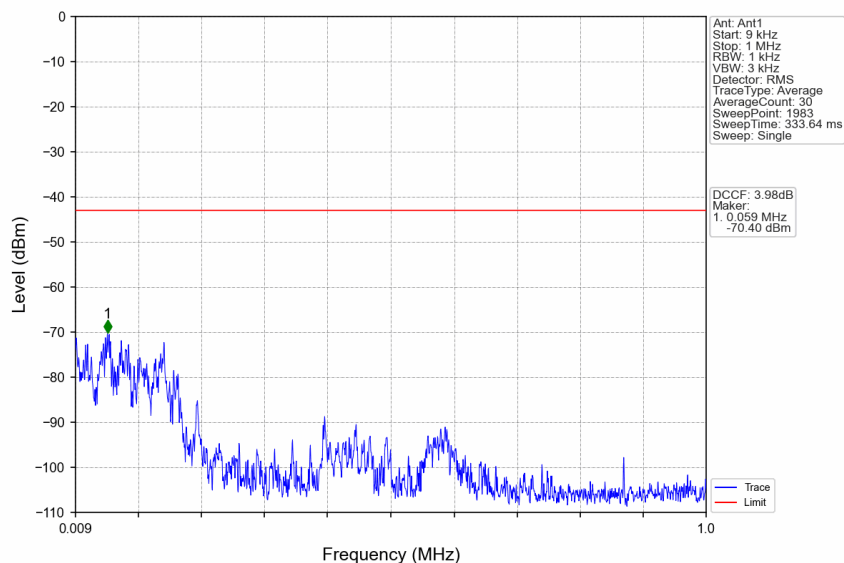


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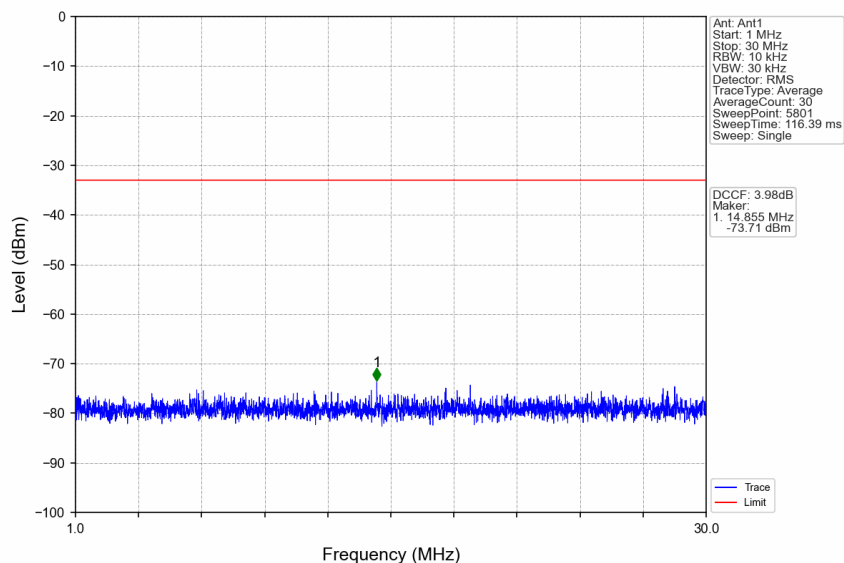
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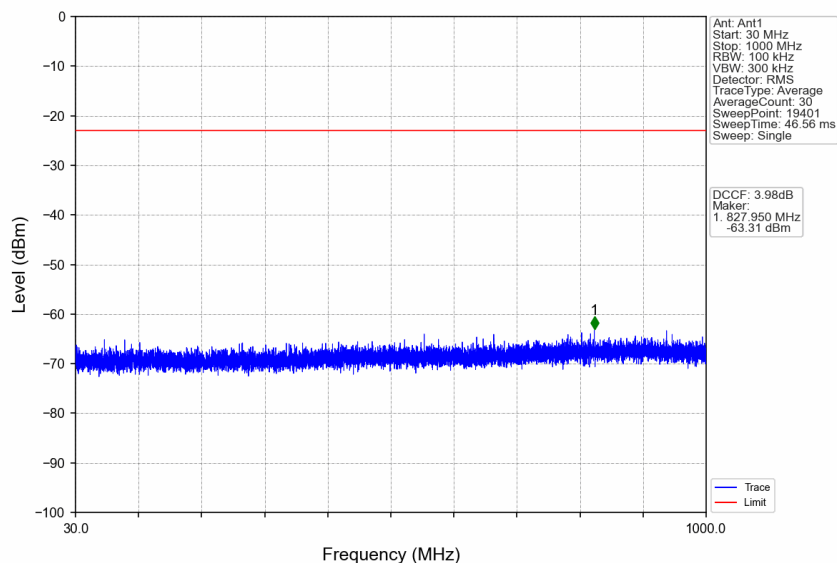


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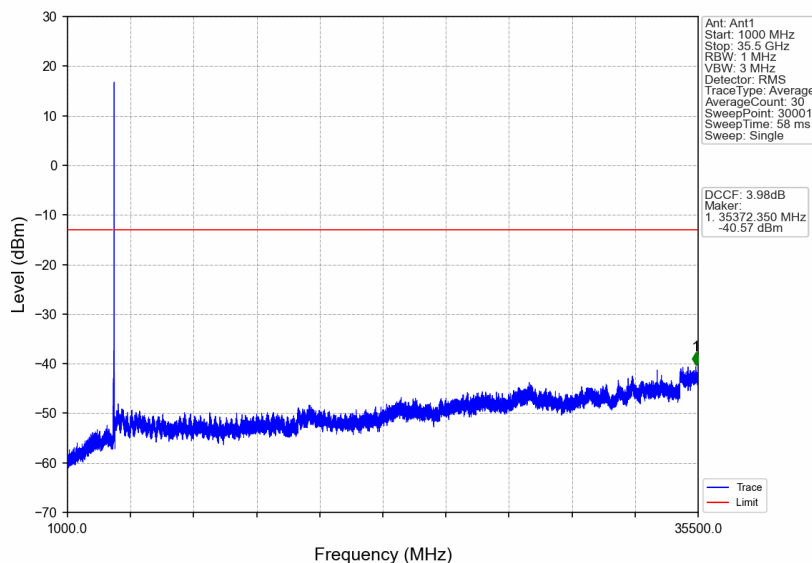
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n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_PI/2_BPSK_3534.99MHz_Edge_1RB_Right



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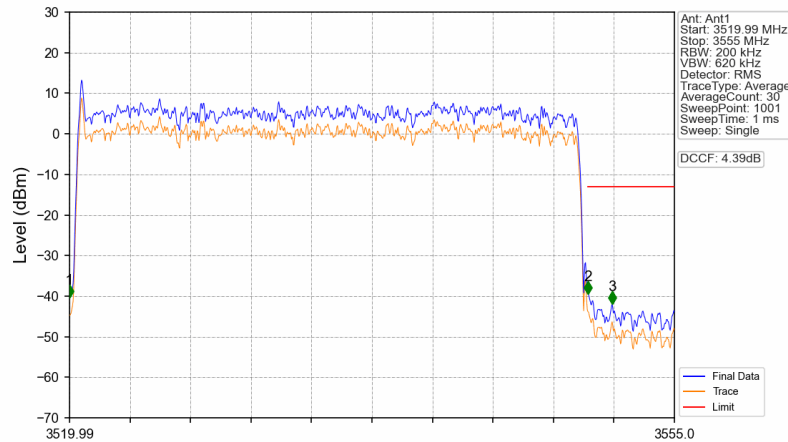
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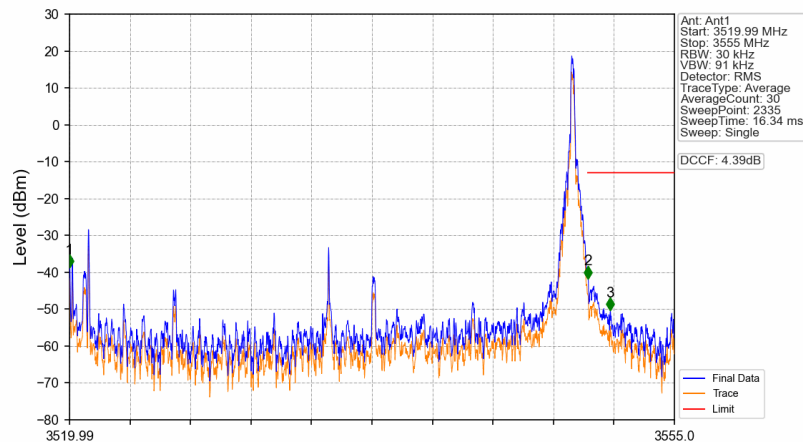
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n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3534.99MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3519.99	3549.99	0.2	/	1	3519.990	-40.35	-13	Pass
3549.99	3549.99	0.2	/	1	/	/	/	/
3549.99	3550.99	0.2	/	2	3549.994	-39.48	-13	Pass
3550.99	3554.99	0.5	/	3	3551.394	-41.95	-13	Pass

n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3534.99MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3519.99	3549.99	0.03	/	1	3519.990	-38.84	-13	Pass
3549.99	3549.99	0.03	/	1	/	/	/	/
3549.99	3550.99	0.03	/	2	3549.990	-41.71	-13	Pass
3550.99	3554.99	0.5	/	3	3551.295	-50.30	-13	Pass



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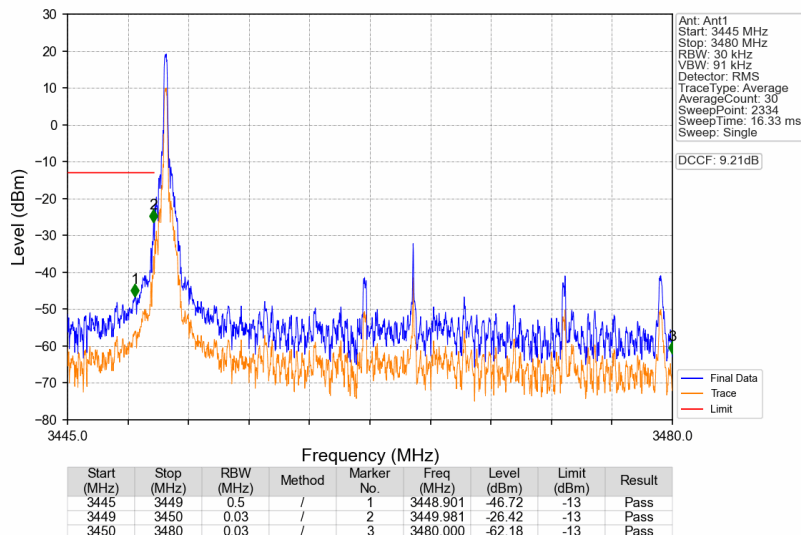
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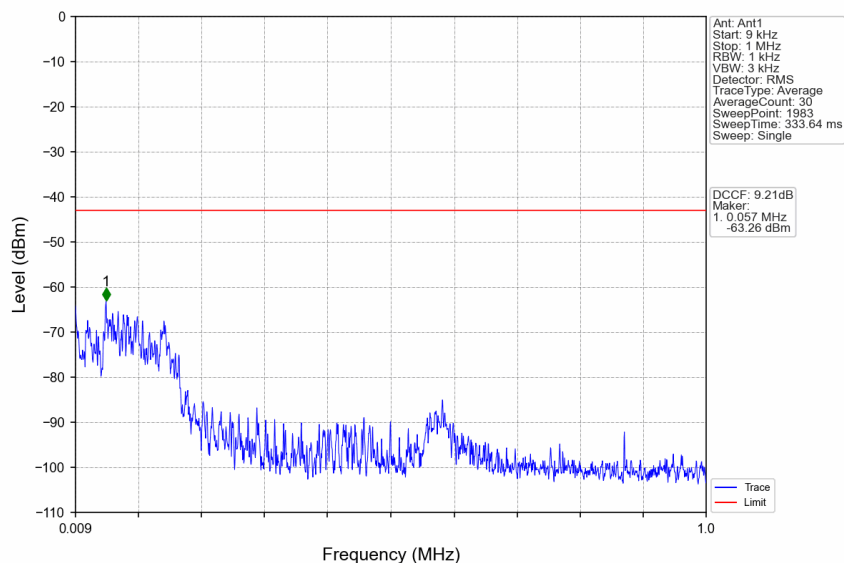
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n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Edge_1RB_Left



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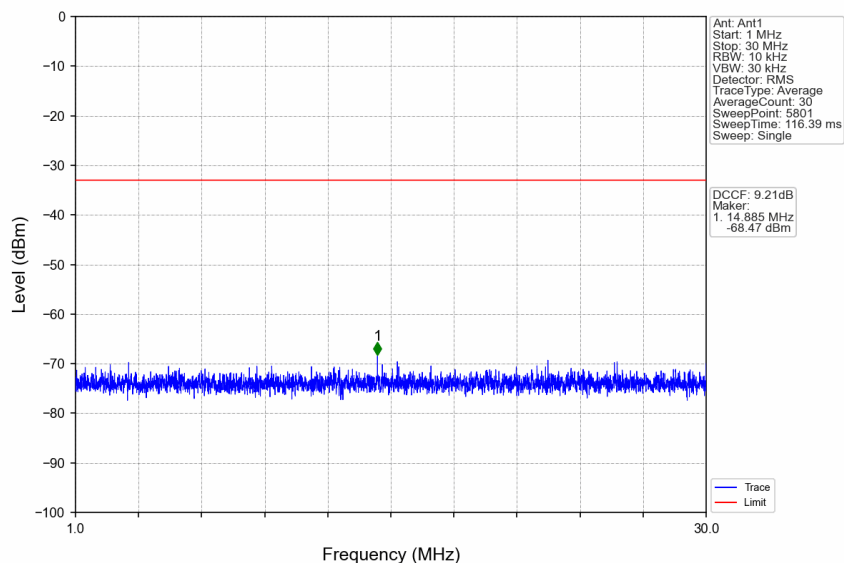
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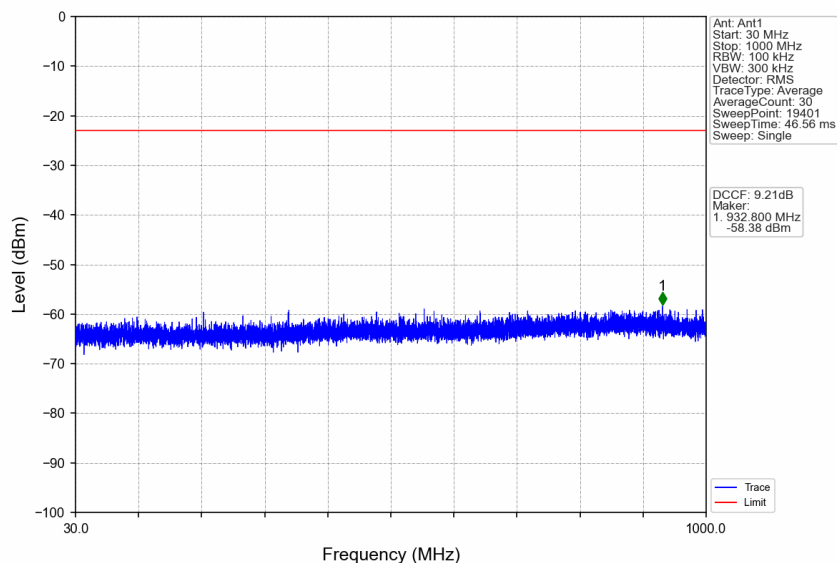
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n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Edge_1RB_Left



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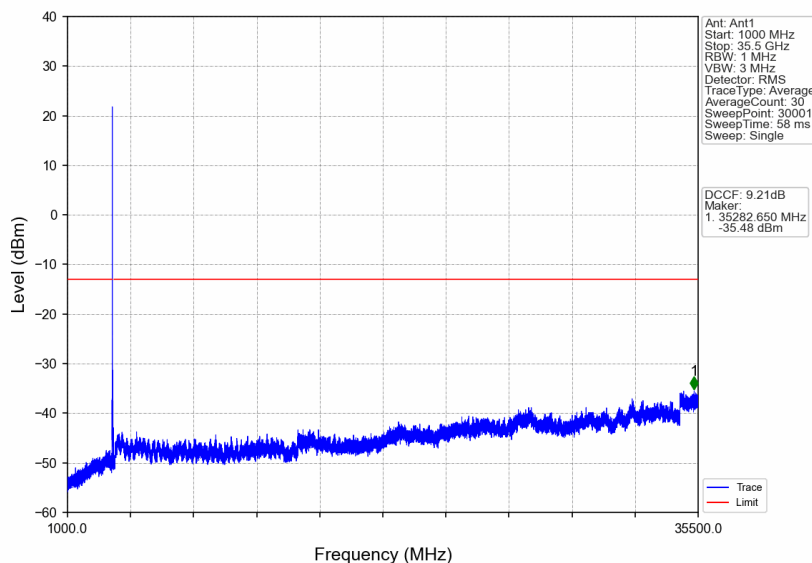
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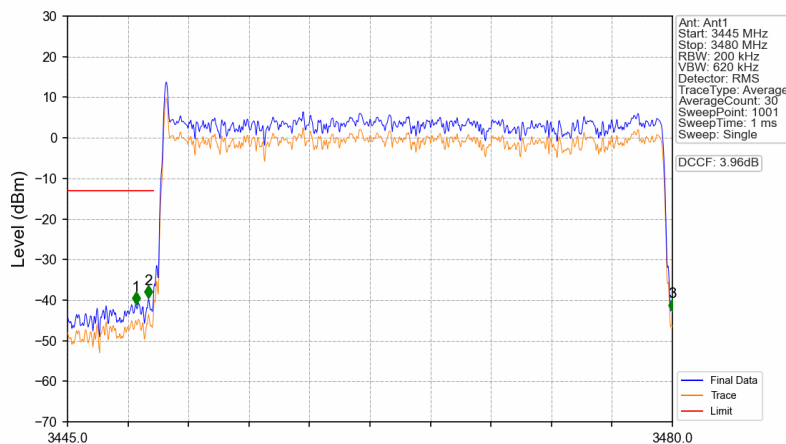
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n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	/	1	3448.955	-41.08	-13	Pass
3449	3450	0.2	/	2	3449.690	-39.55	-13	Pass
3450	3480	0.2	/	3	3480.000	-42.76	-13	Pass



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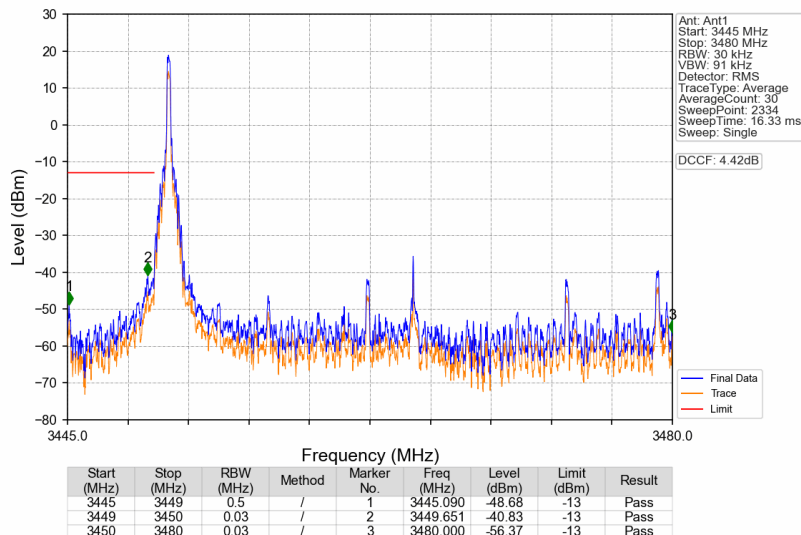
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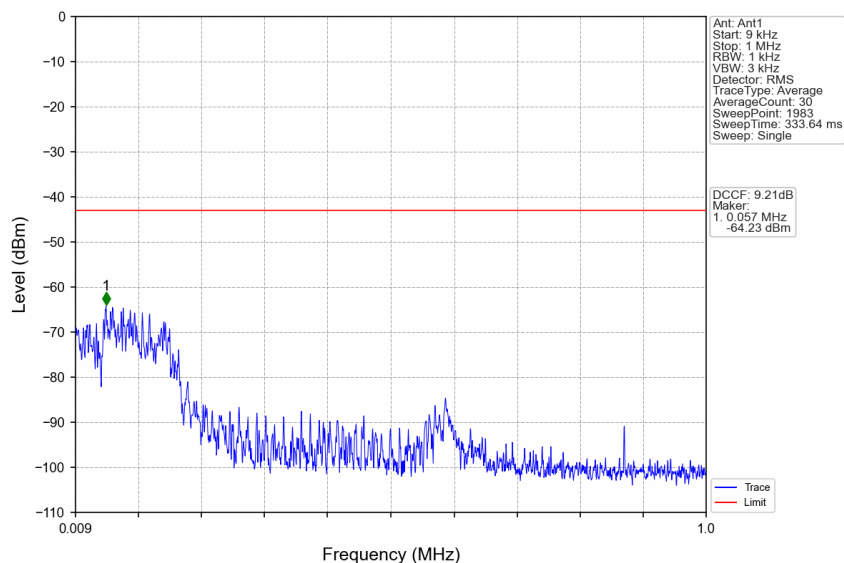
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n77d 15kHz SISO_NTNV_30MHz DFT-s-OFDM QPSK_3465MHz_Inner_1RB_Left



n77d 15kHz SISO_NTNV_30MHz DFT-s-OFDM QPSK_3499.995MHz_Edge_1RB_Left



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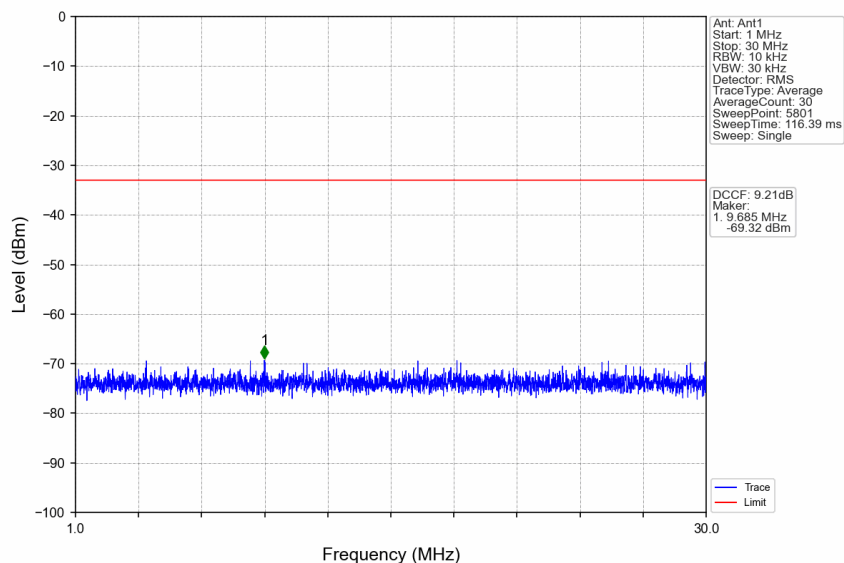
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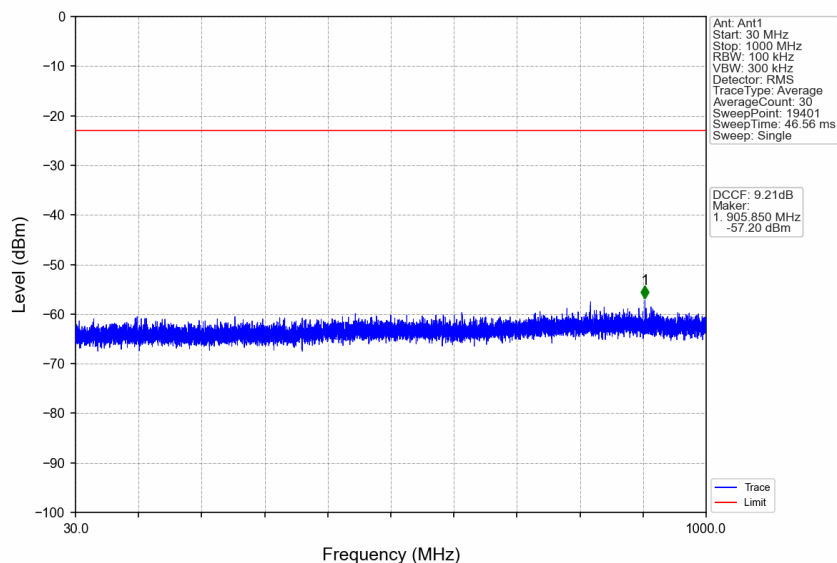
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n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3499.995MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3499.995MHz_Edge_1RB_Left



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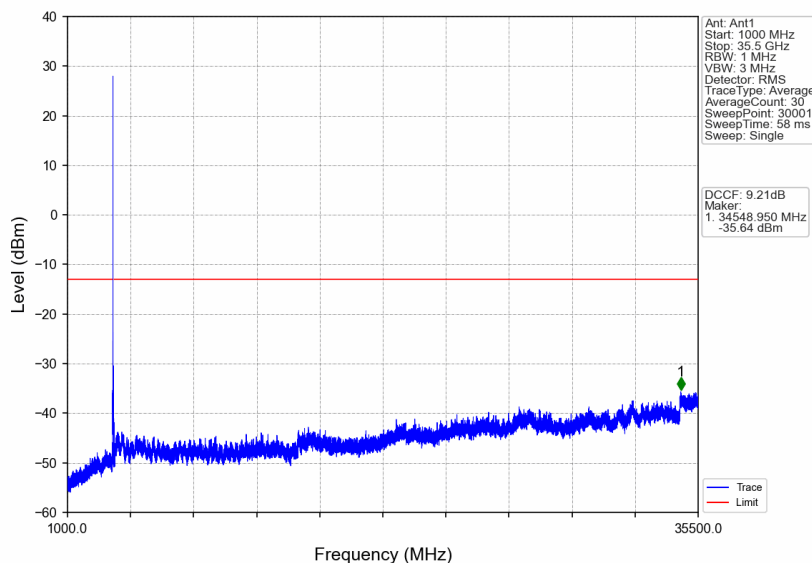
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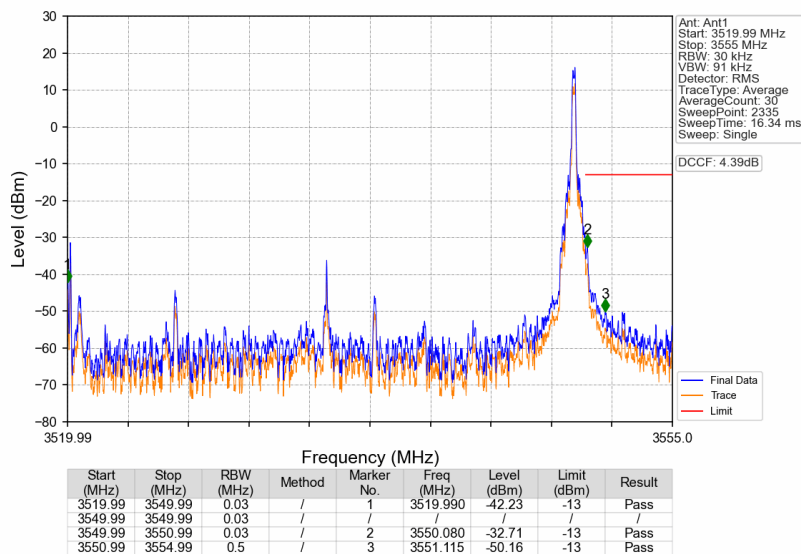
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n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK 3499.995MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK 3534.99MHz_Edge_1RB_Right



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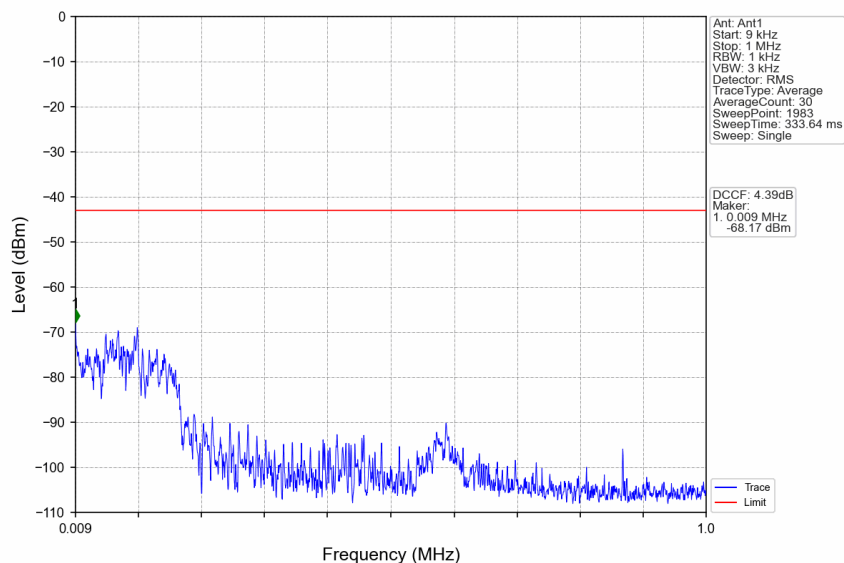
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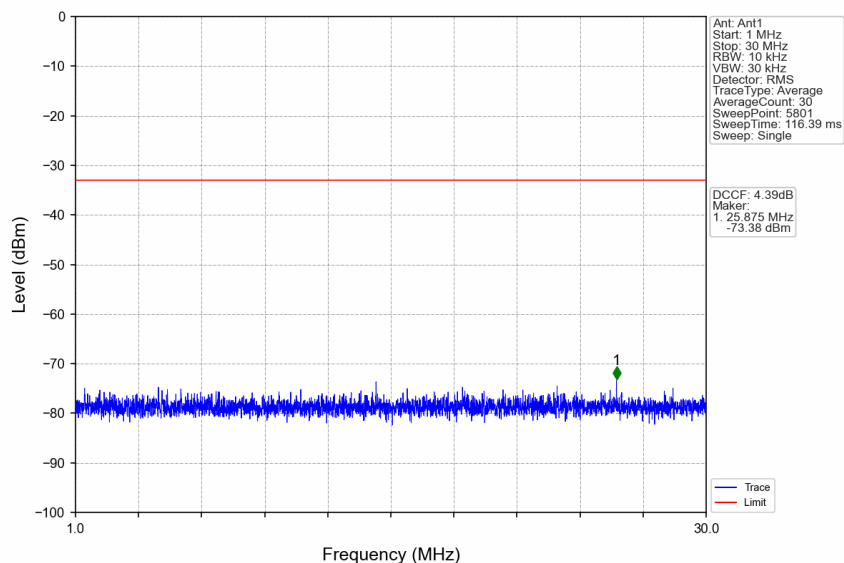
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n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3534.99MHz_Edge_1RB_Right



n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3534.99MHz_Edge_1RB_Right



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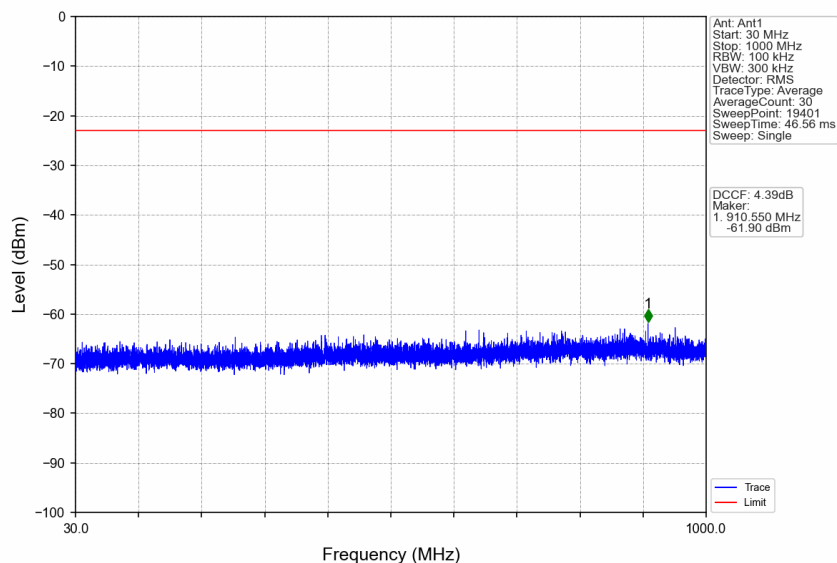


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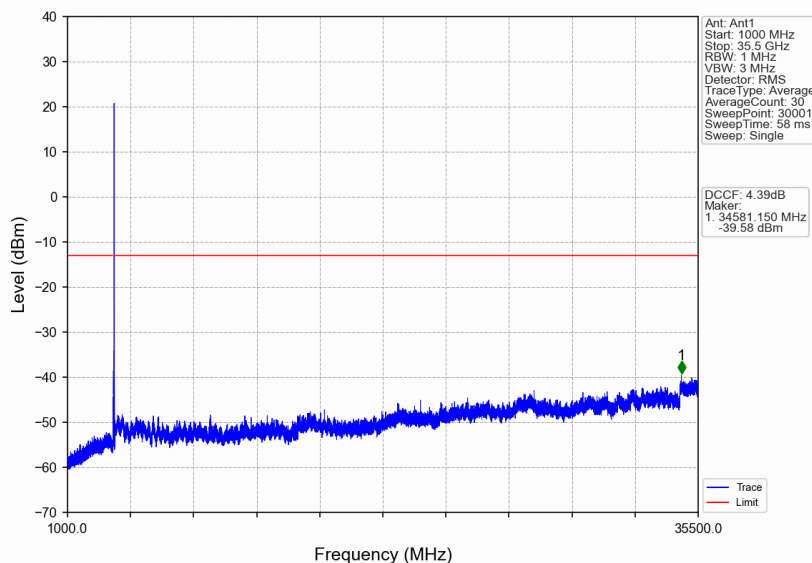
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n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK 3534.99MHz_Edge_1RB_Right



n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK 3534.99MHz_Edge_1RB_Right



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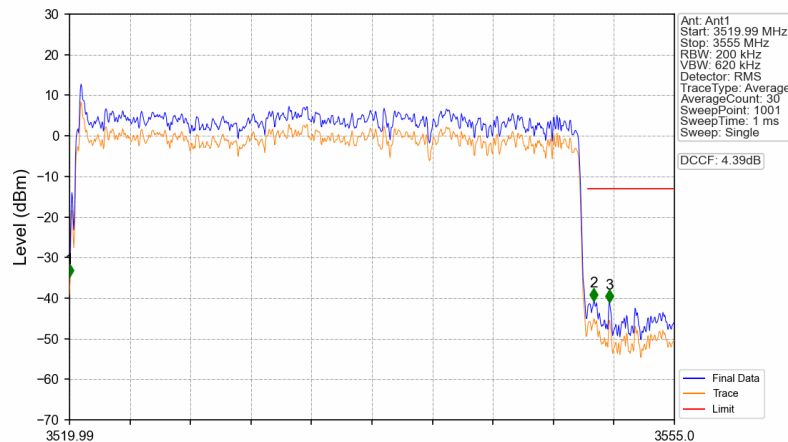
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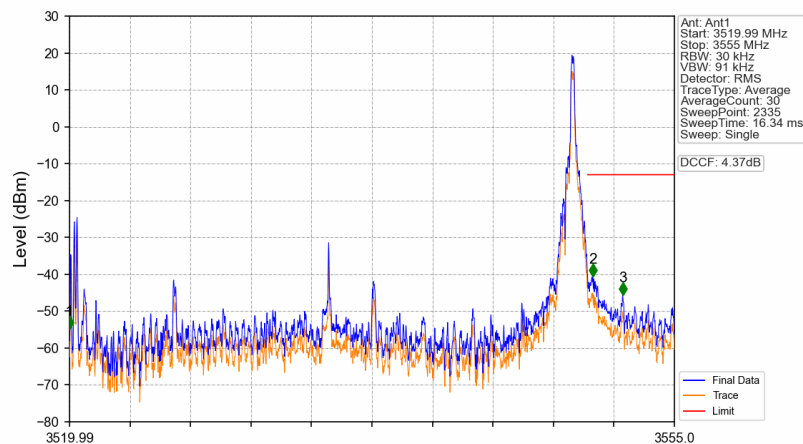
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n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3534.99MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3519.99	3549.99	0.2	/	1	3519.990	-34.81	-13	Pass
3549.99	3549.99	0.2	/	/	/	/	/	/
3549.99	3550.99	0.2	/	2	3550.344	-40.65	-13	Pass
3550.99	3554.99	0.5	/	3	3551.254	-41.05	-13	Pass

n77d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3534.99MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3519.99	3549.99	0.03	/	1	3519.990	-54.86	-13	Pass
3549.99	3549.99	0.03	/	/	/	/	/	/
3549.99	3550.99	0.03	/	2	3550.275	-40.69	-13	Pass
3550.99	3554.99	0.5	/	3	3552.000	-45.74	-13	Pass



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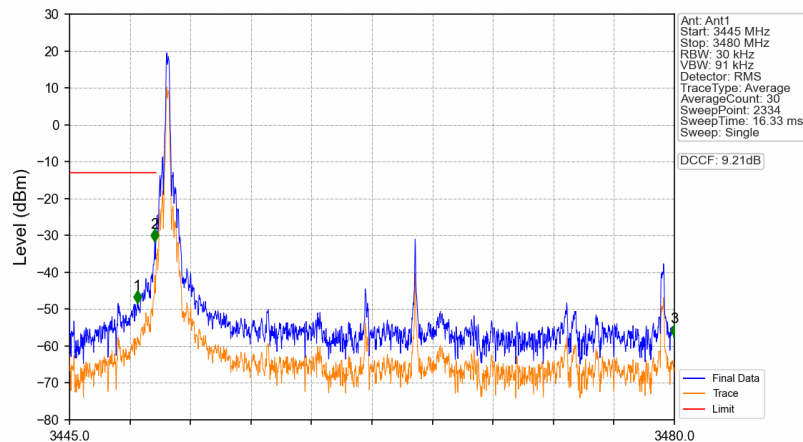
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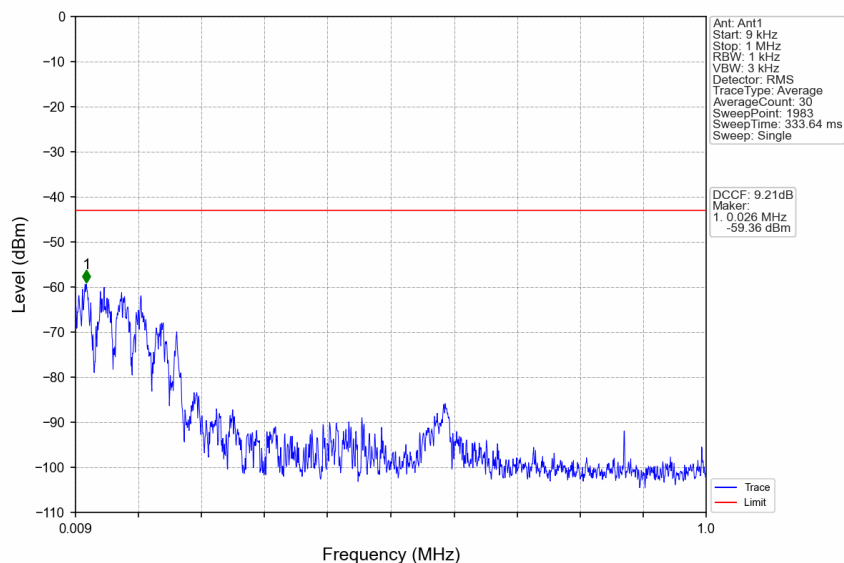
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n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	/	1	3448.931	-48.34	-13	Pass
3449	3450	0.03	/	2	3449.936	-31.70	-13	Pass
3450	3480	0.03	/	3	3480.000	-57.42	-13	Pass

n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Edge_1RB_Left



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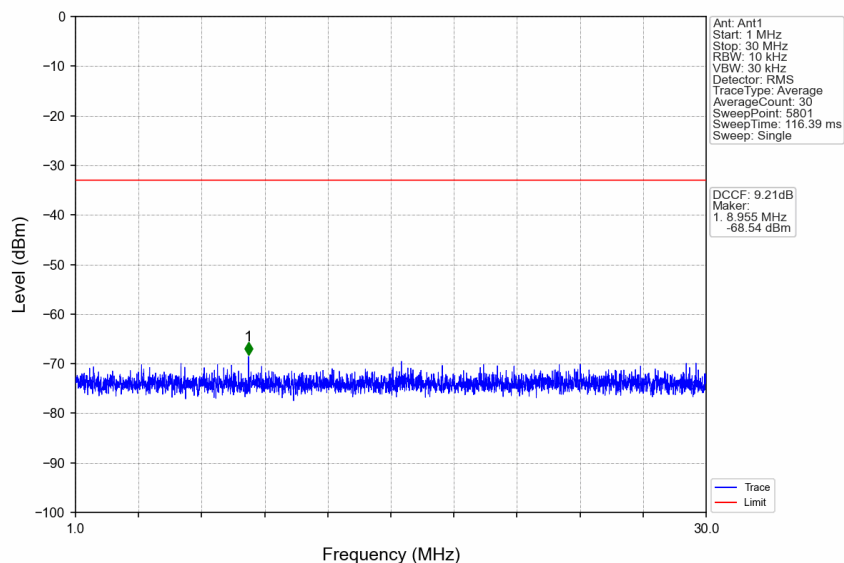
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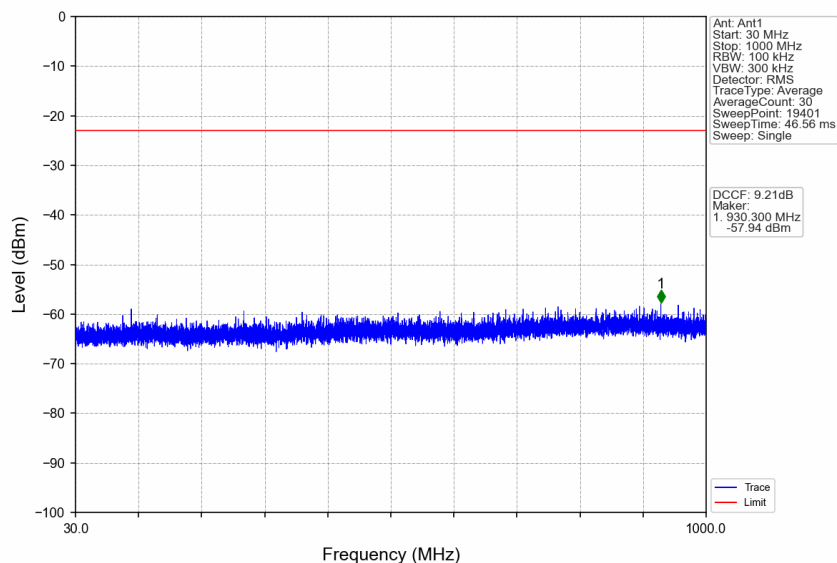
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n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Edge_1RB_Left



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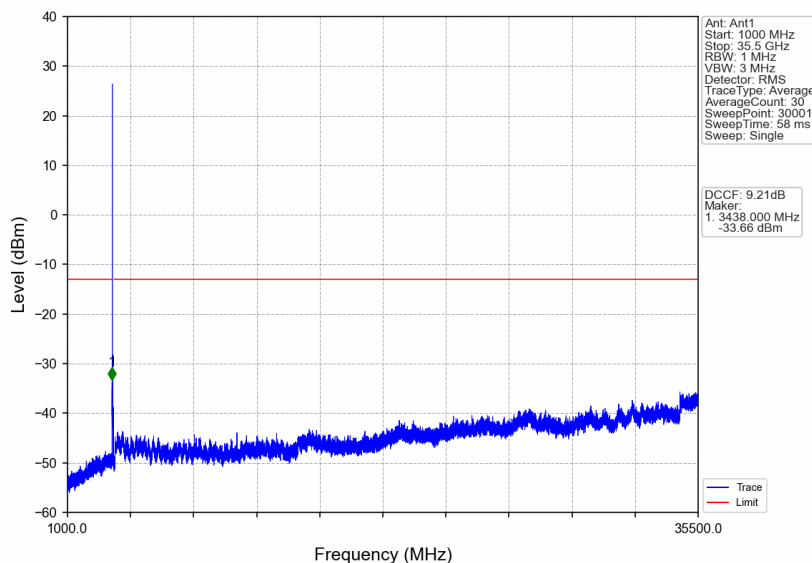
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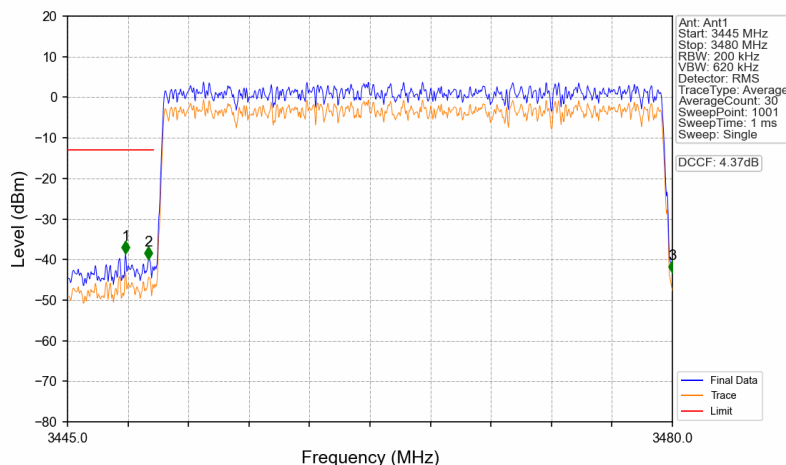
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n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	/	1	3448.360	-38.58	-13	Pass
3449	3450	0.2	/	2	3449.690	-39.98	-13	Pass
3450	3480	0.2	/	3	3480.000	-43.39	-13	Pass



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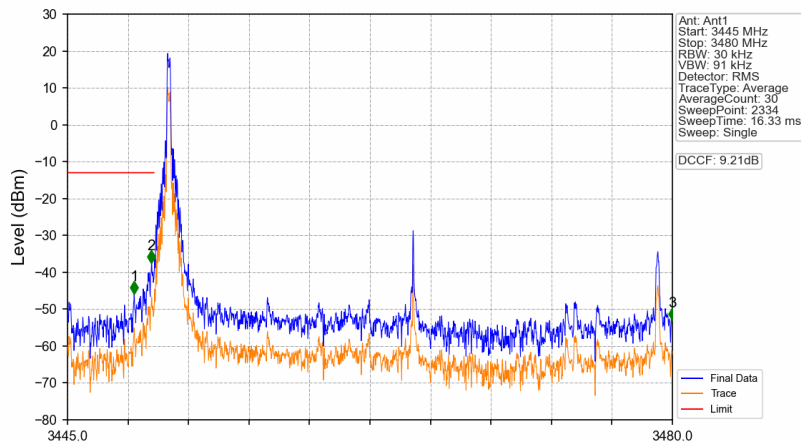
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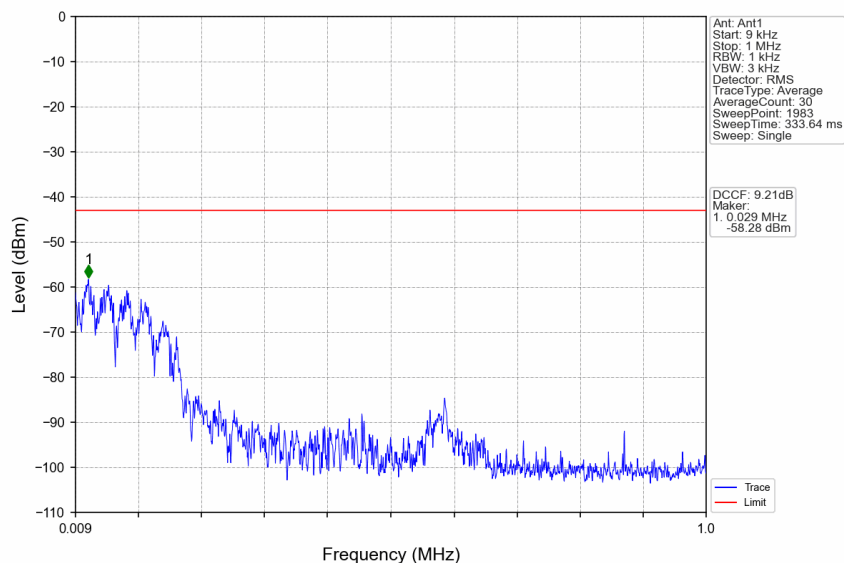
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n77d 15kHz SISO_NTNV_30MHz_CP-OFDM QPSK_3465MHz_Inner_1RB_Left



n77d 15kHz SISO_NTNV_30MHz_CP-OFDM QPSK_3499.995MHz_Edge_1RB_Left



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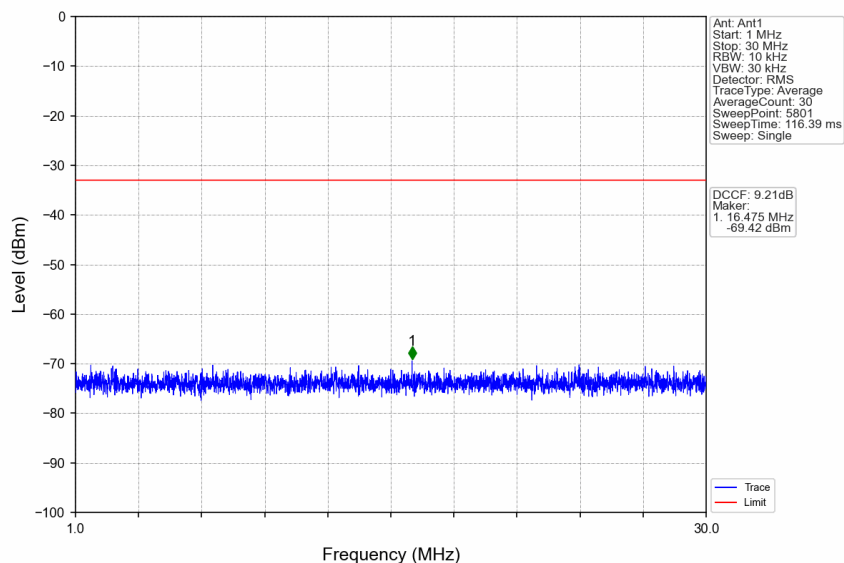
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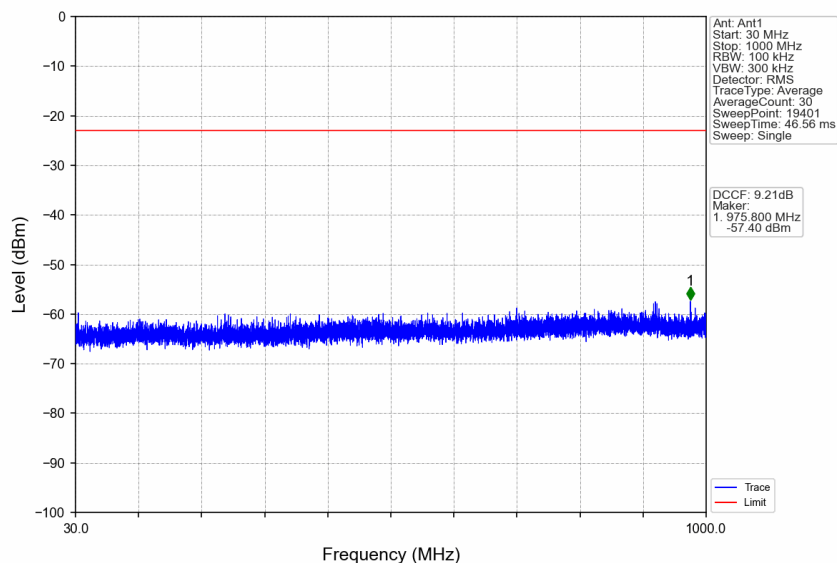
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n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3499.995MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3499.995MHz_Edge_1RB_Left



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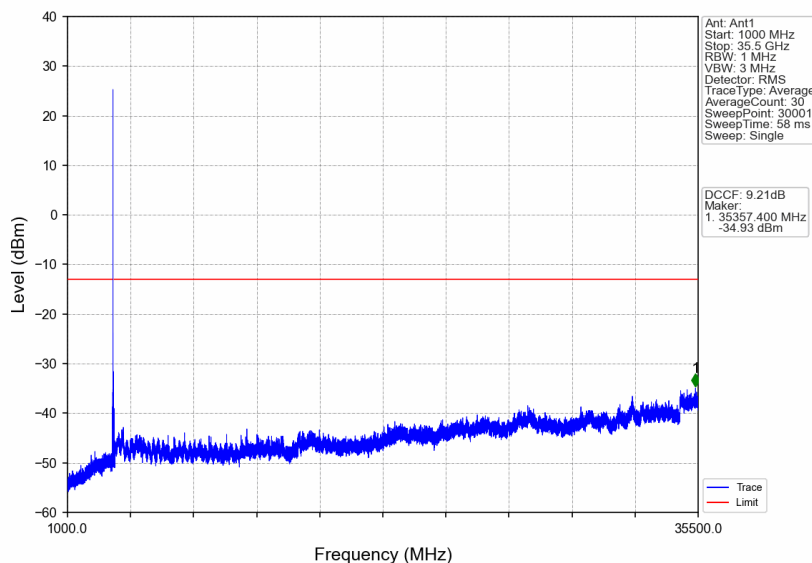
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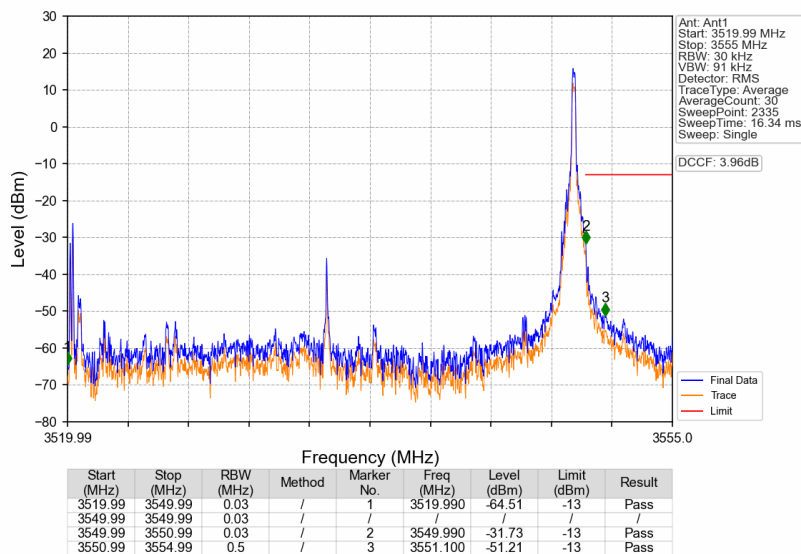
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n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3499.995MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3534.99MHz_Edge_1RB_Right



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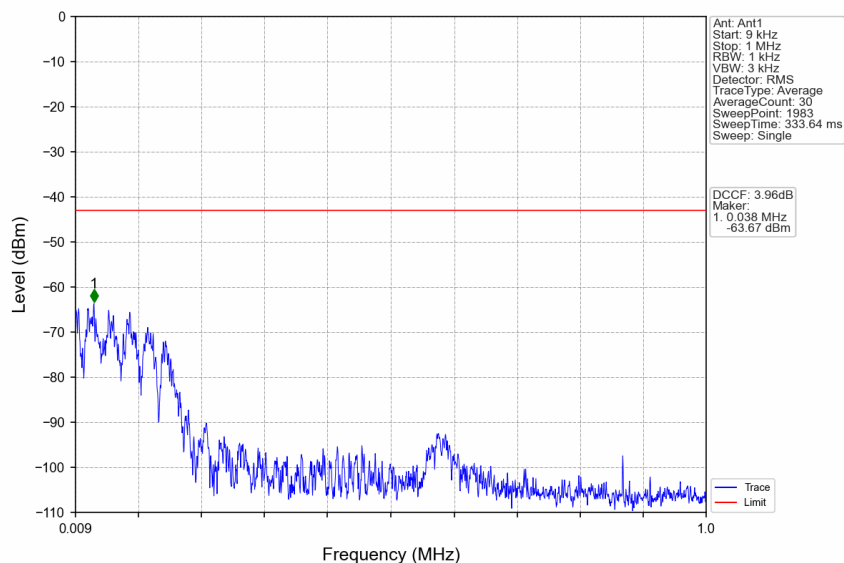
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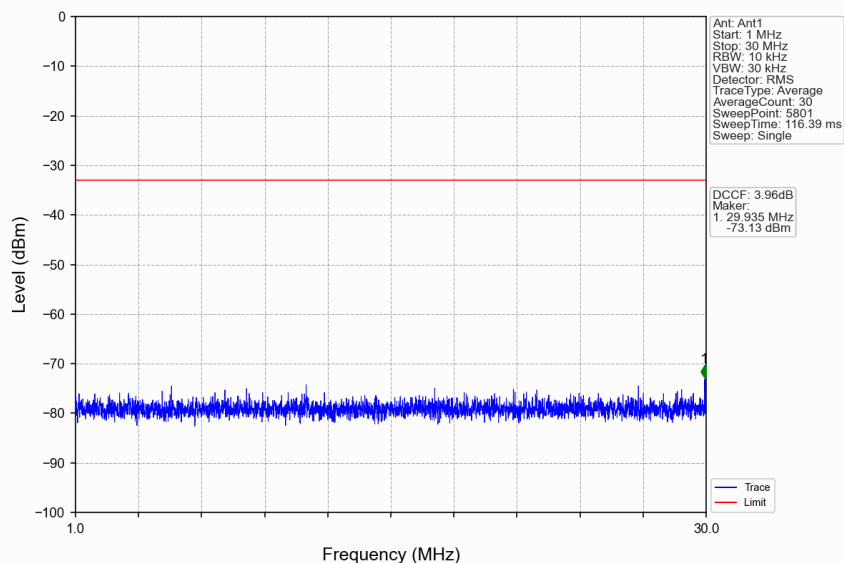
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n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3534.99MHz_Edge_1RB_Right



n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3534.99MHz_Edge_1RB_Right



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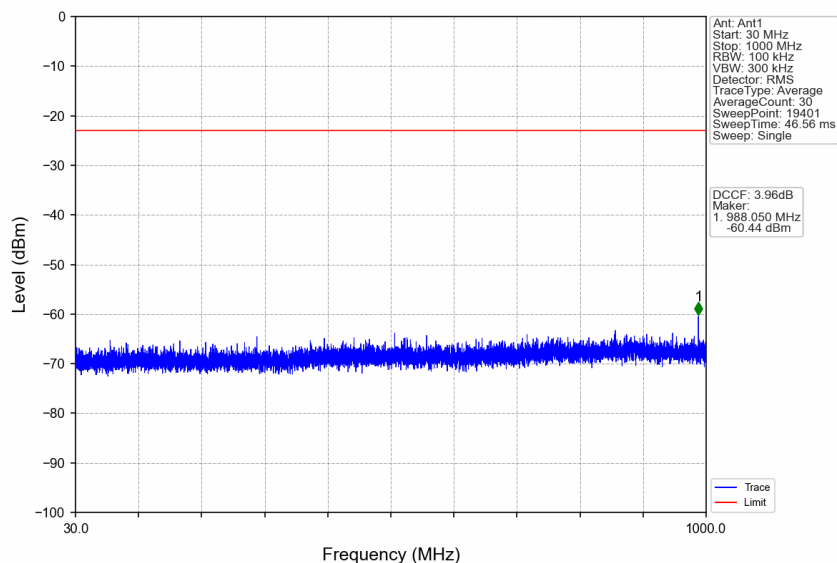
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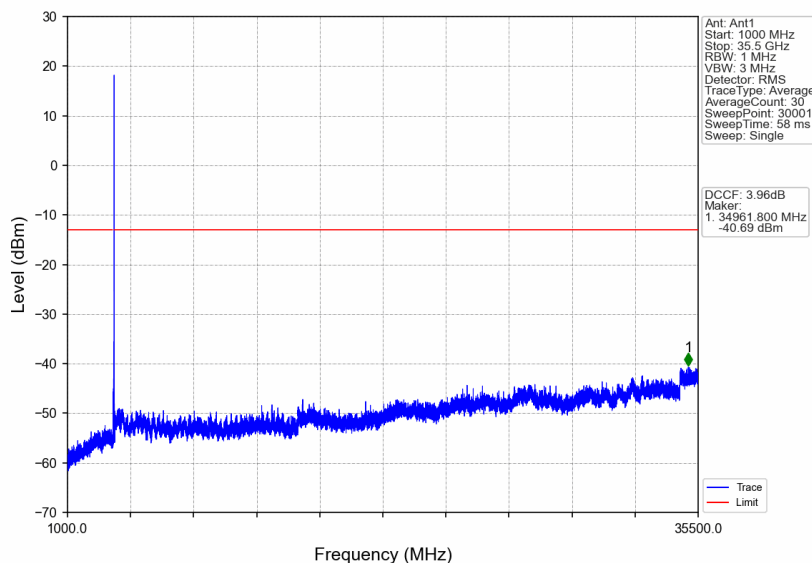
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n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3534.99MHz_Edge_1RB_Right



n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3534.99MHz_Edge_1RB_Right



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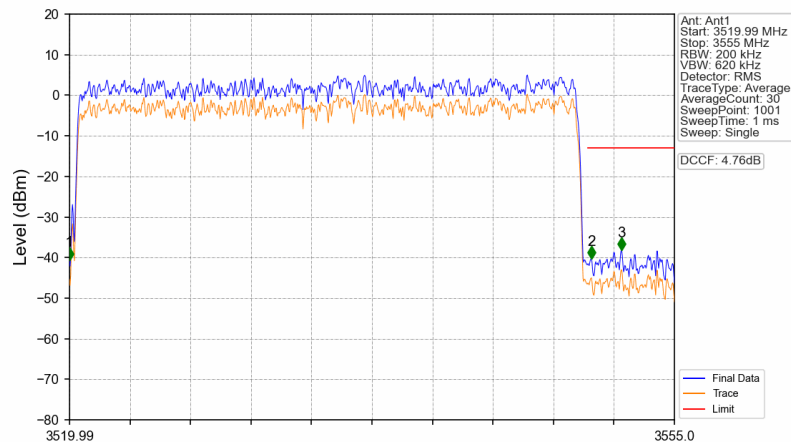
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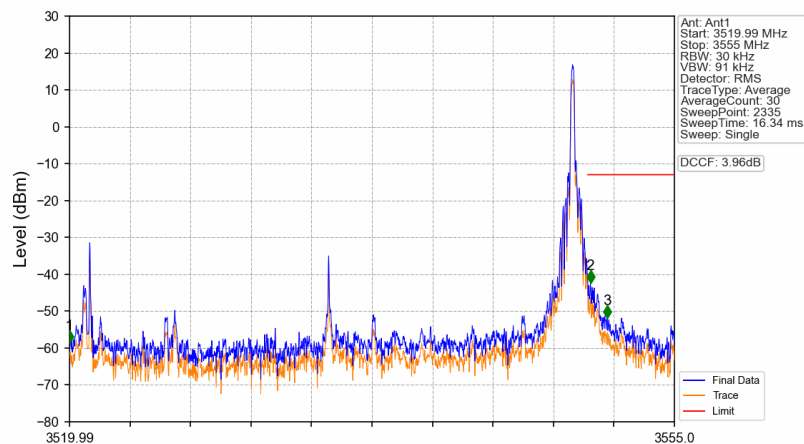
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n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3534.99MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3519.99	3549.99	0.2	/	1	3519.990	-40.61	-13	Pass
3549.99	3549.99	0.2	/	/	/	/	/	/
3549.99	3550.99	0.2	/	2	3550.204	-40.26	-13	Pass
3550.99	3554.99	0.5	/	3	3551.919	-38.24	-13	Pass

n77d_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3534.99MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3519.99	3549.99	0.03	/	1	3519.990	-58.66	-13	Pass
3549.99	3549.99	0.03	/	/	/	/	/	/
3549.99	3550.99	0.03	/	2	3550.140	-42.38	-13	Pass
3550.99	3554.99	0.5	/	3	3551.115	-51.83	-13	Pass



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6.6 15k_SISO_40MHz_NTNV

6.6.1 Test Result

5G NR n77d SCS=15kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3470.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	3499.995	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	3470.01	Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3499.995	Inner_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	3470.01	Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	3499.995	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
3529.995	Inner_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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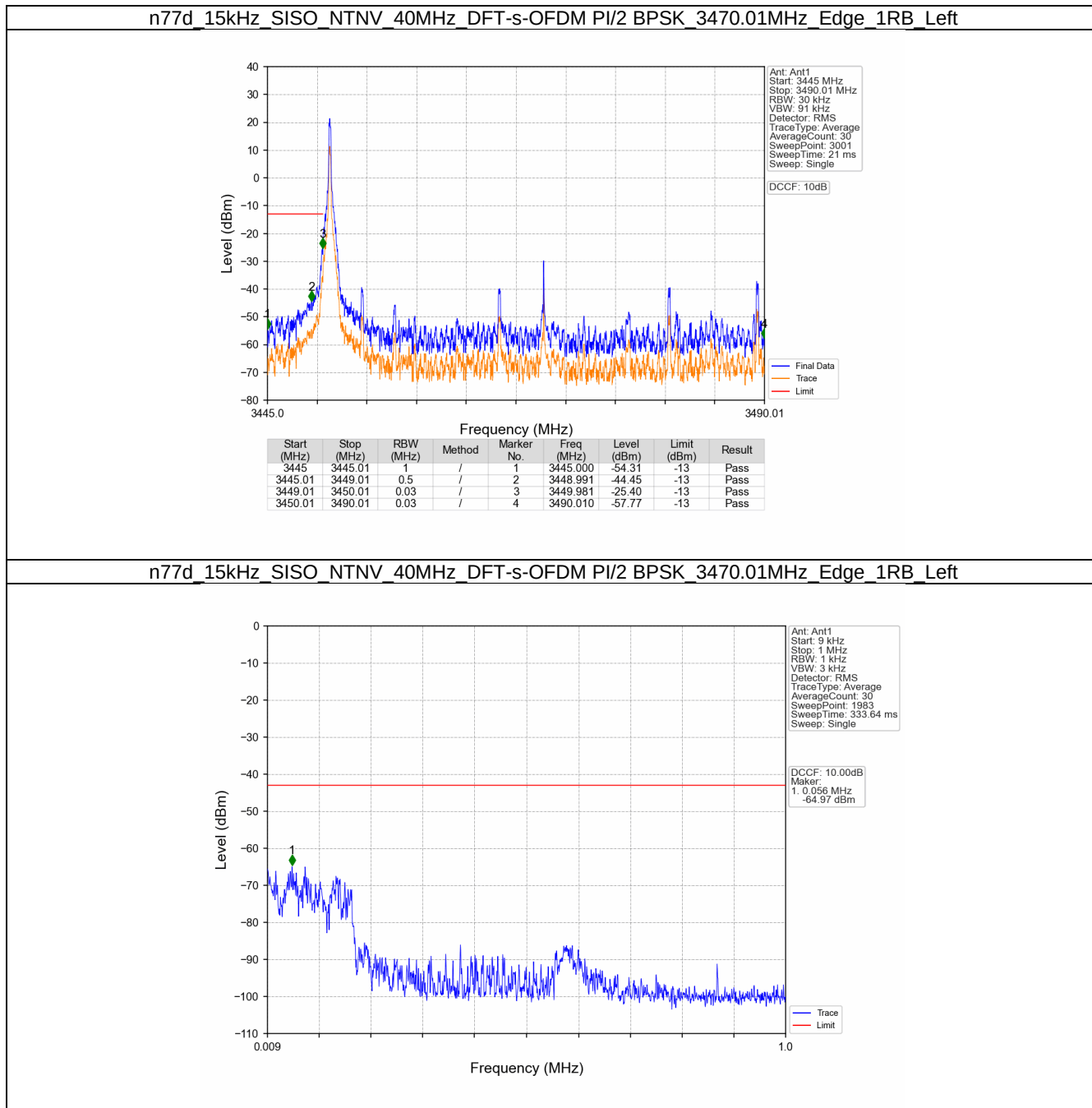
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6.6.2 Test Graph



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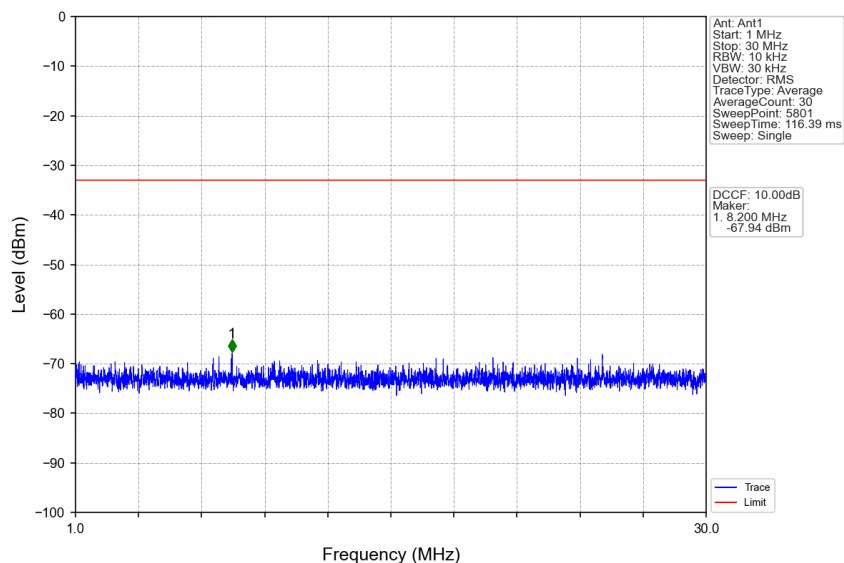
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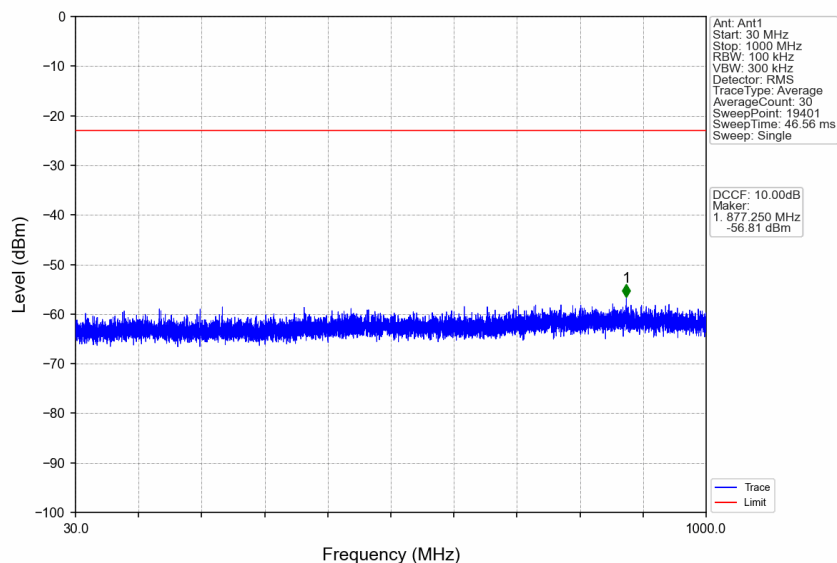
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n77d_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Edge_1RB_Left



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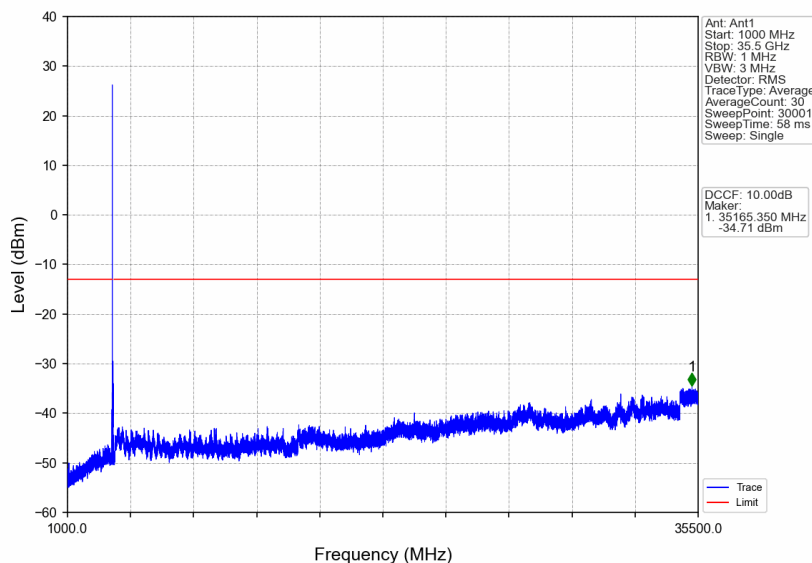
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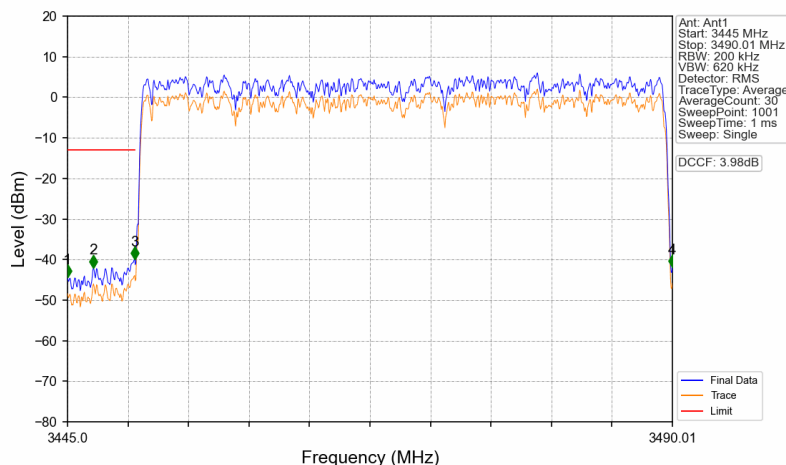
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n77d_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Edge_1RB_Left



n77d_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_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	-44.37	-13	Pass
3445.01	3449.01	0.5	/	2	3446.935	-42.01	-13	Pass
3449.01	3450.01	0.2	/	3	3449.996	-39.97	-13	Pass
3450.01	3490.01	0.2	/	4	3490.010	-41.85	-13	Pass



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