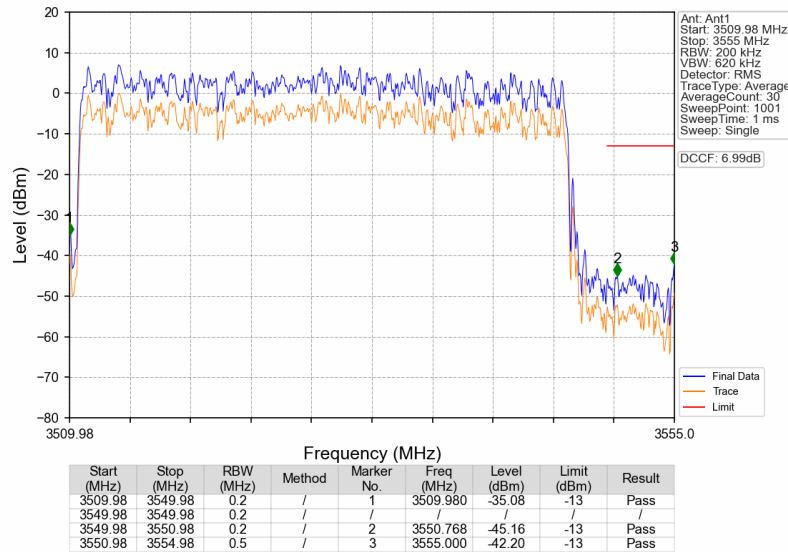
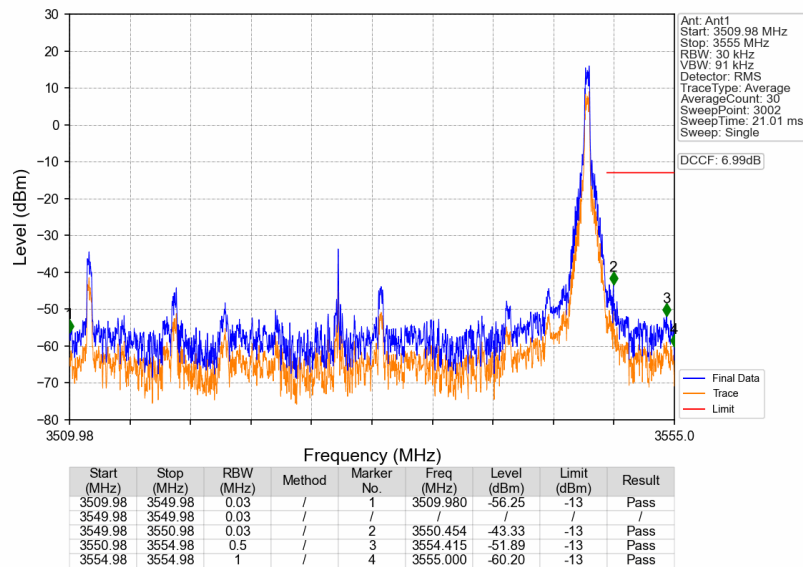




n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3529.98MHz_Outer_Full



n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3529.98MHz_Inner_1RB_Right



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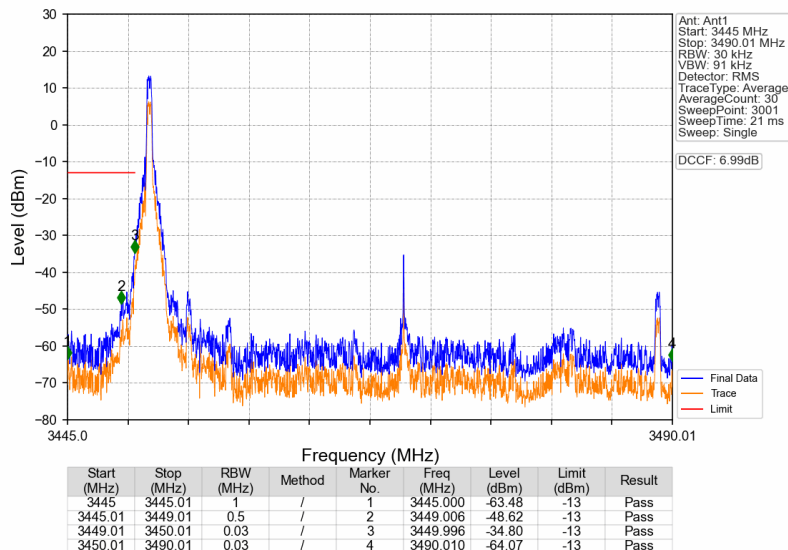
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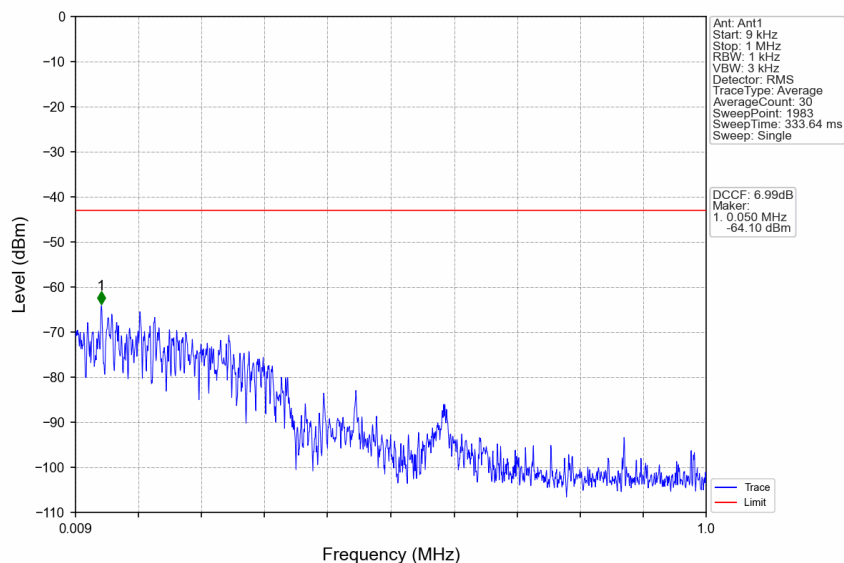
Rev.: 01

Page: 1061 of 1237

n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



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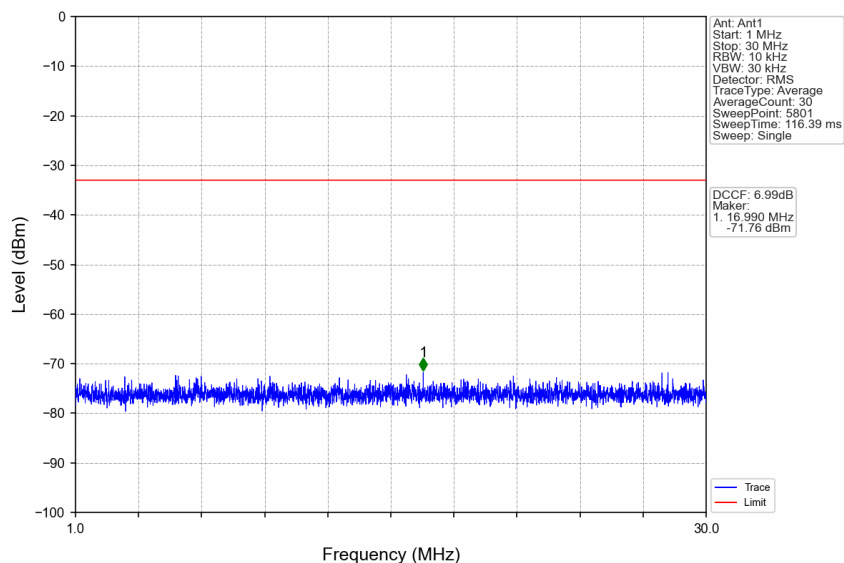


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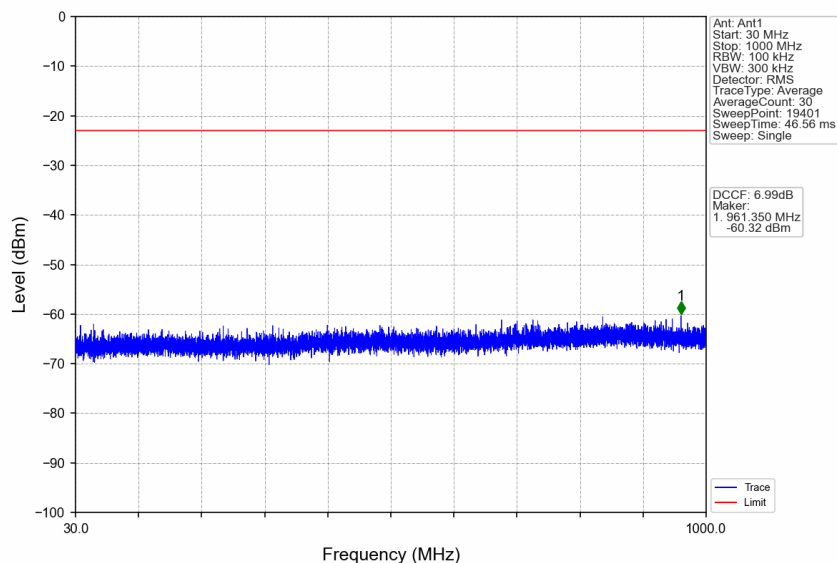
Rev.: 01

Page: 1062 of 1237

n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



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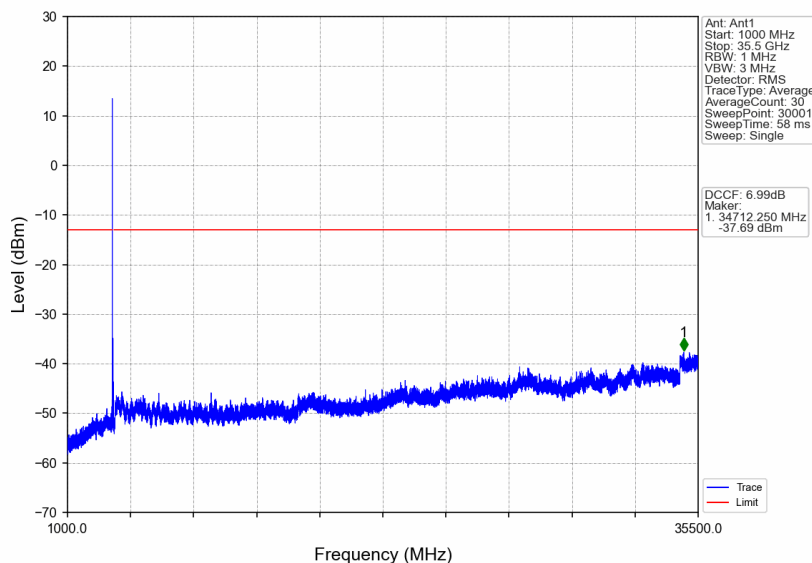
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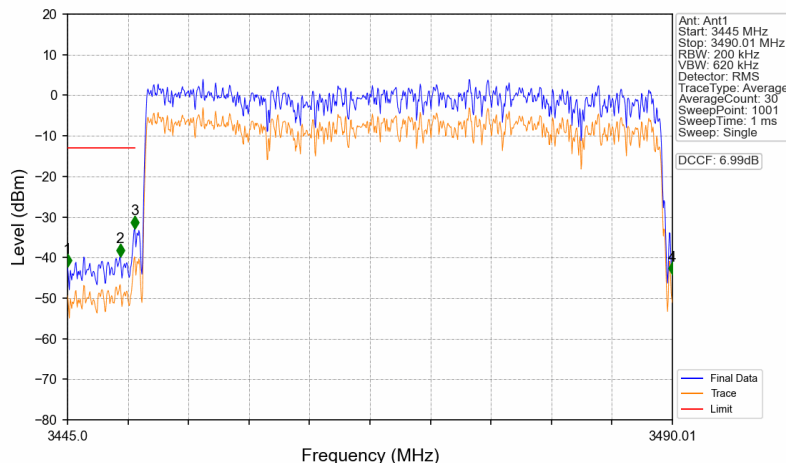
Rev.: 01

Page: 1063 of 1237

n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_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	-42.34	-13	Pass
3445.01	3449.01	0.5	/	2	3448.916	-39.69	-13	Pass
3449.01	3450.01	0.2	/	3	3449.996	-32.82	-13	Pass
3450.01	3490.01	0.2	/	4	3490.010	-44.17	-13	Pass



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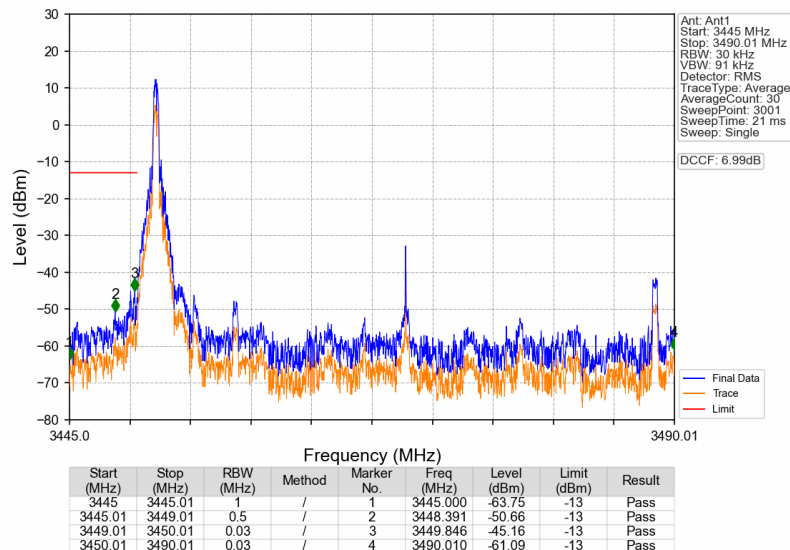
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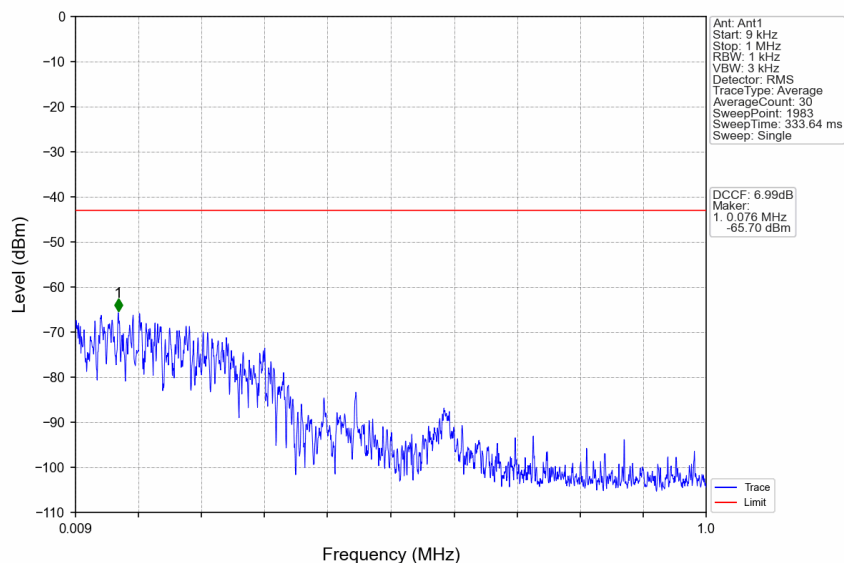
Rev.: 01

Page: 1064 of 1237

n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3470.01MHz_Inner_1RB_Left



n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



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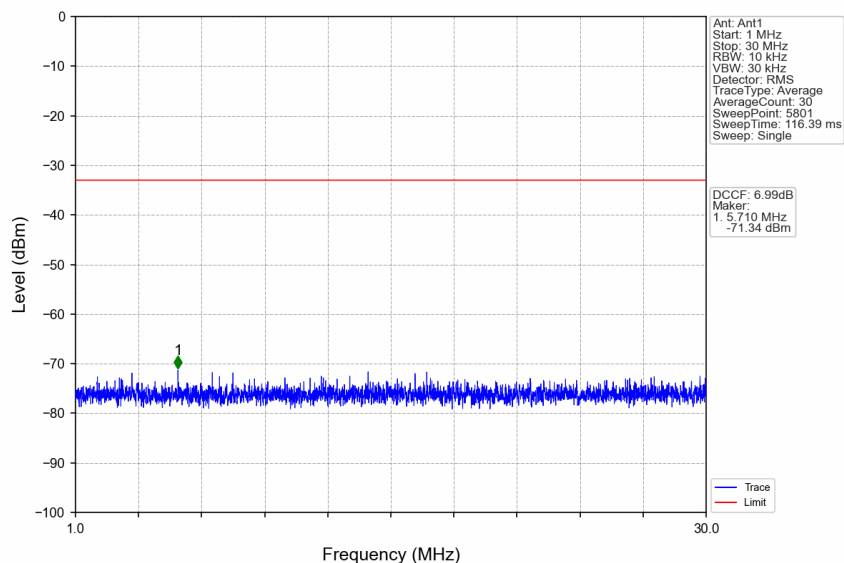
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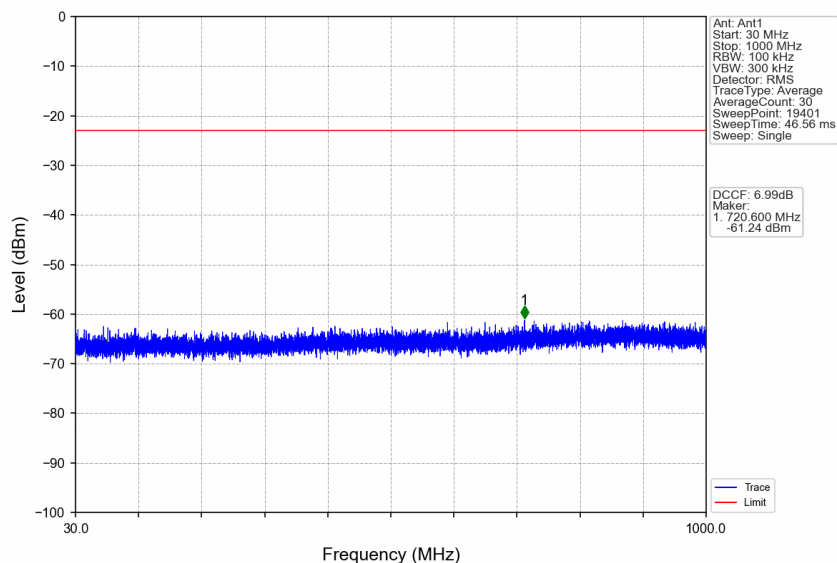
Rev.: 01

Page: 1065 of 1237

n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



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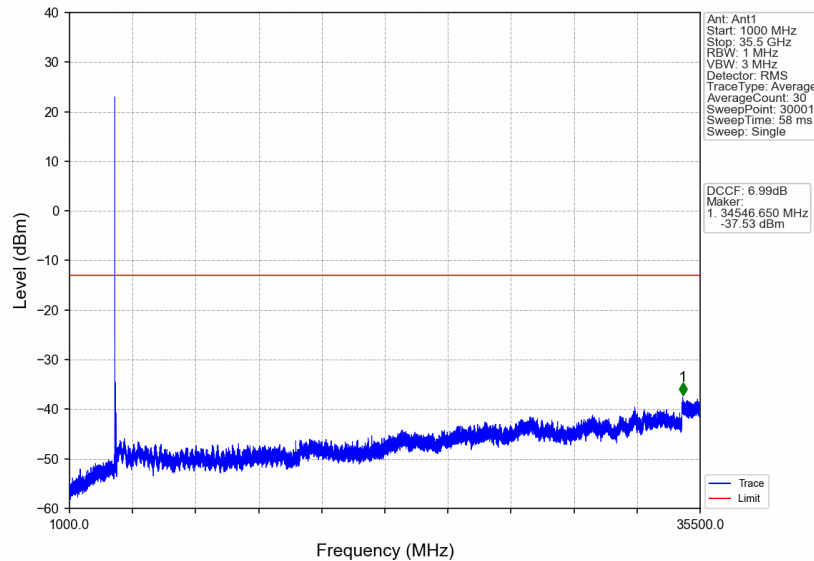


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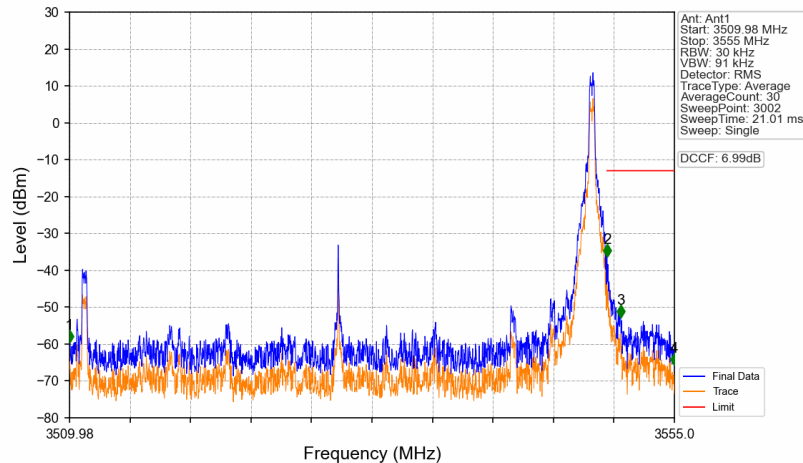
Rev.: 01

Page: 1066 of 1237

n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3529.98MHz_Edge_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3509.98	3549.98	0.03	/	1	3509.980	-59.62	-13	Pass
3549.98	3549.98	0.03	/	1	/	/	/	/
3549.98	3550.98	0.03	/	2	3549.989	-36.43	-13	Pass
3550.98	3554.98	0.5	/	3	3550.995	-52.82	-13	Pass
3554.98	3554.98	1	/	4	3554.985	-65.78	-13	Pass



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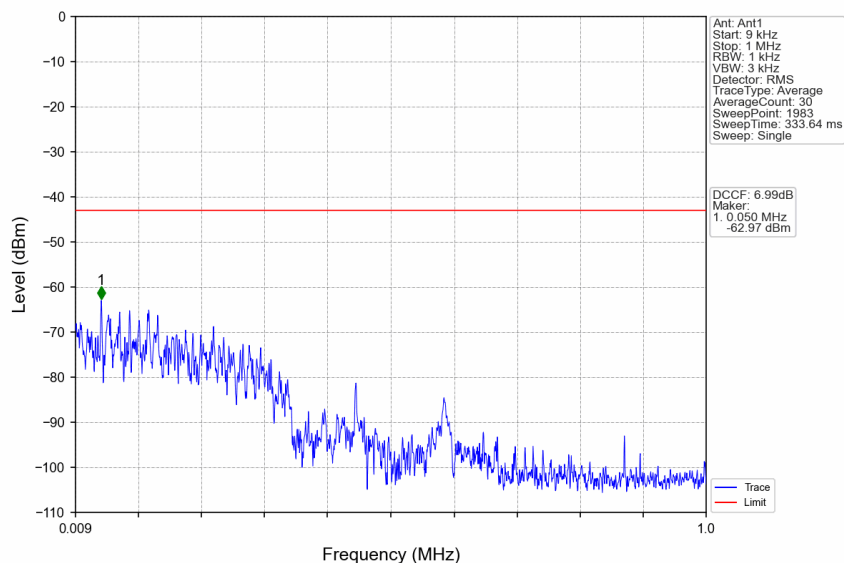
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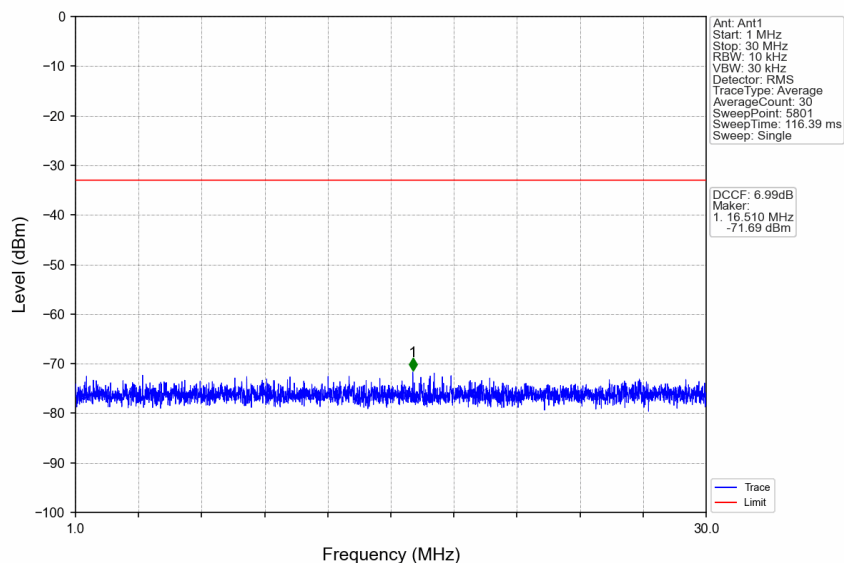
Rev.: 01

Page: 1067 of 1237

n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3529.98MHz_Edge_1RB_Right



n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3529.98MHz_Edge_1RB_Right



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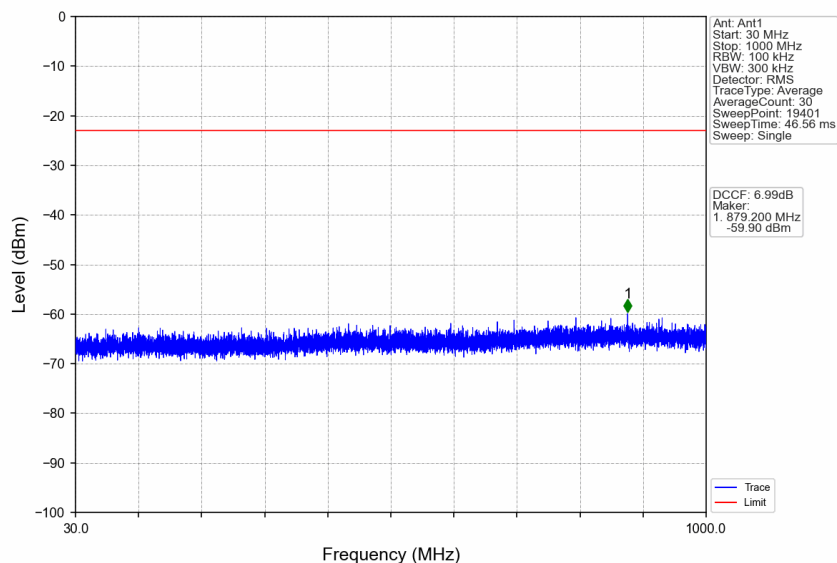
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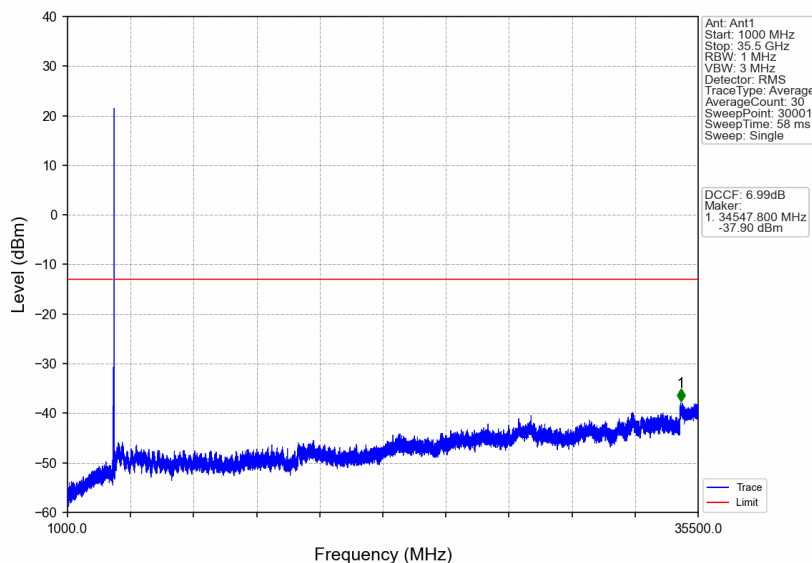
Rev.: 01

Page: 1068 of 1237

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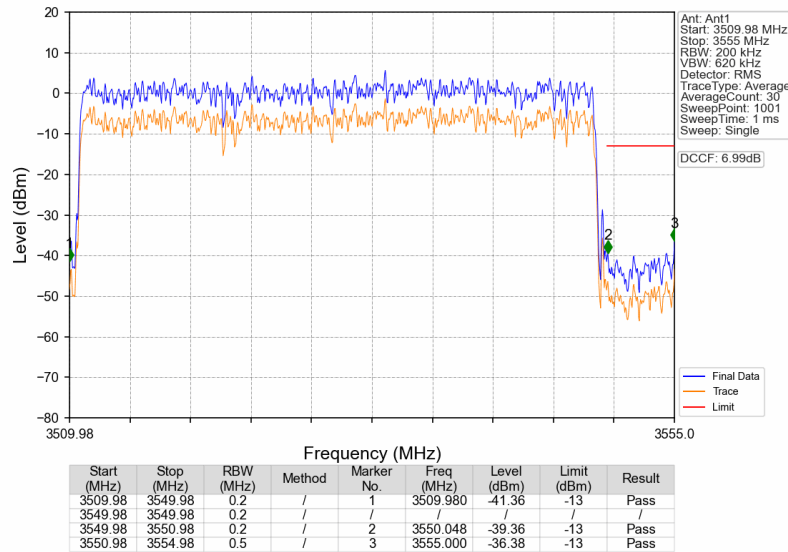


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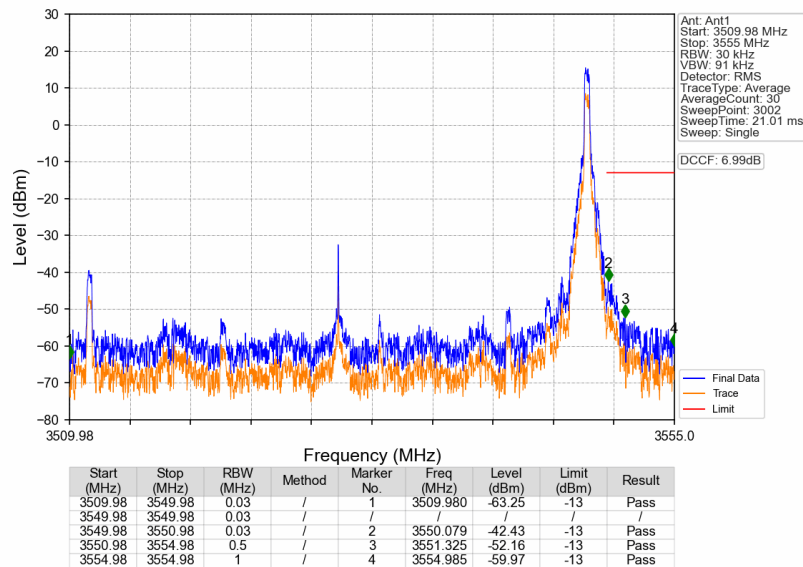
Rev.: 01

Page: 1069 of 1237

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n77d_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3529.98MHz_Inner_1RB_Right



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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 1070 of 1237

6.14 30k_SISO_50MHz_NTNV

6.14.1 Test Result

5G NR n77d SCS=30kHz SISO 50MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant5	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3475.02	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	
		3525	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3475.02		Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Inner_1RB_Left	Refer To Test Graph				Pass	
		3525	Edge_1RB_Left	Refer To Test Graph				Pass
			Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	3475.02		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass	
		Edge_1RB_Left	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Right	Refer To Test Graph				Pass	
		3525	Outer_Full	Refer To Test Graph				Pass
			Inner_1RB_Right	Refer To Test Graph				Pass



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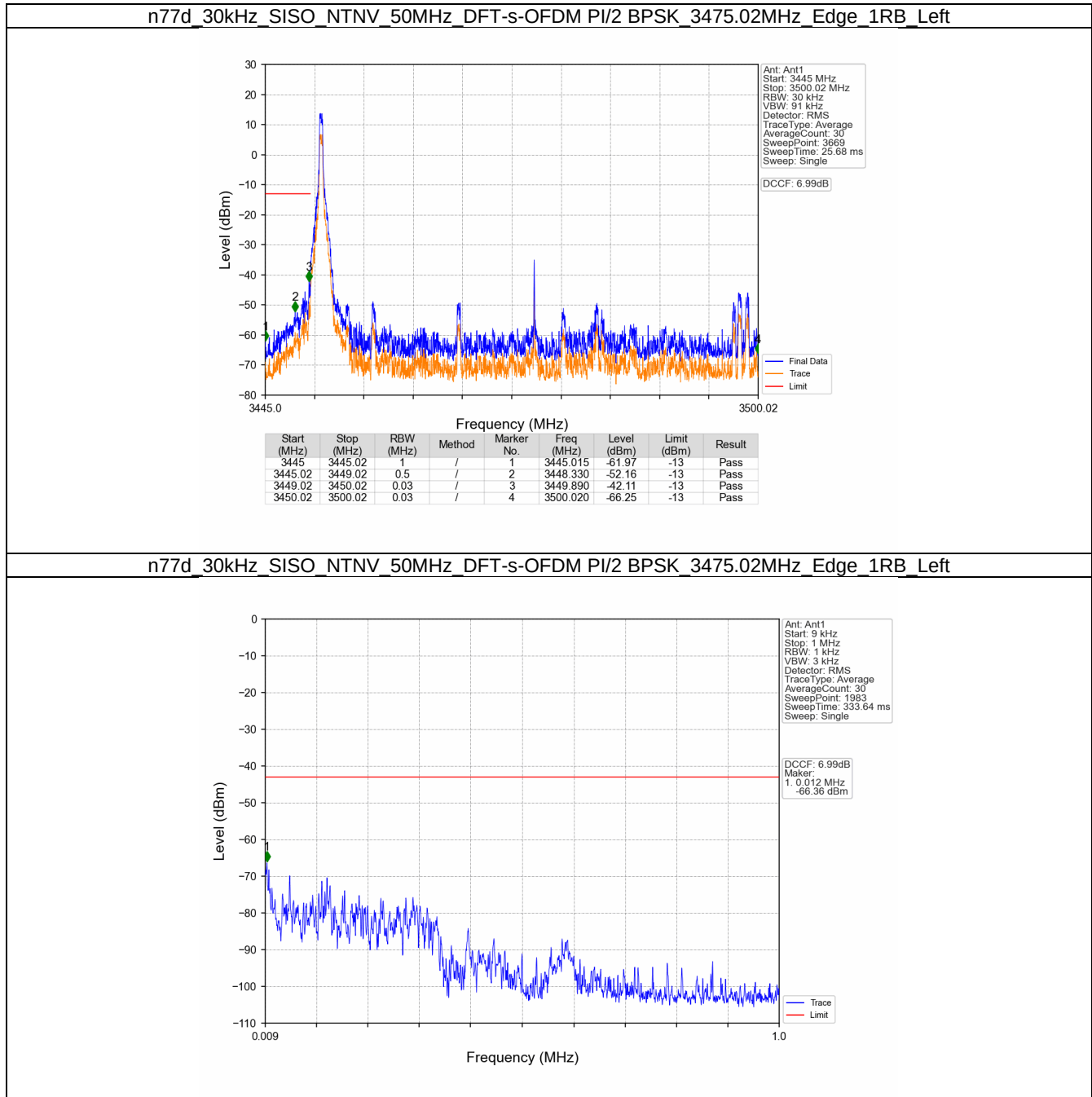
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Report No.: SEWM2311000456RG02

Rev.: 01

Page: 1071 of 1237

6.14.2 Test Graph



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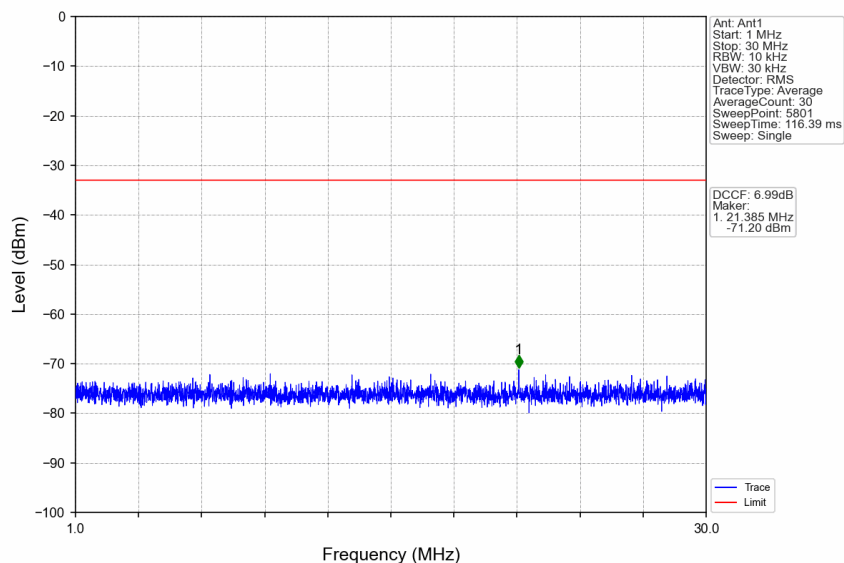


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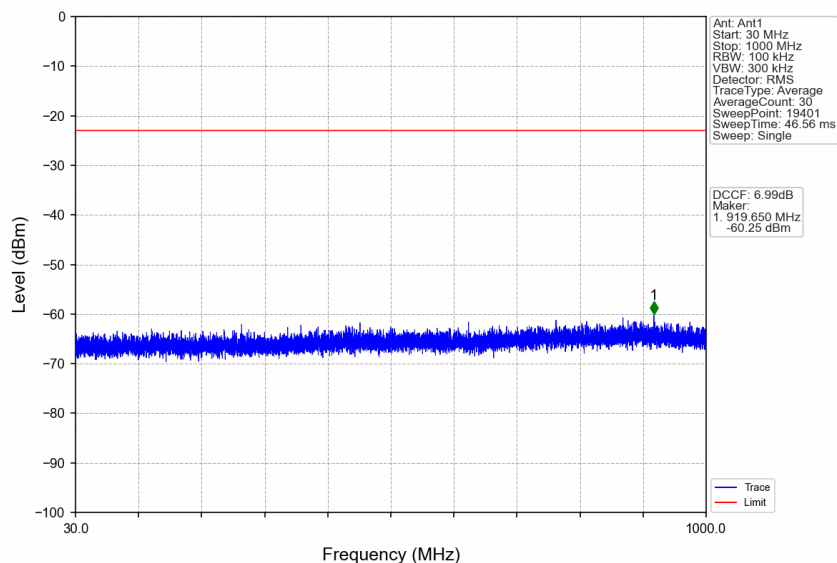
Rev.: 01

Page: 1072 of 1237

n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_Edge_1RB_Left



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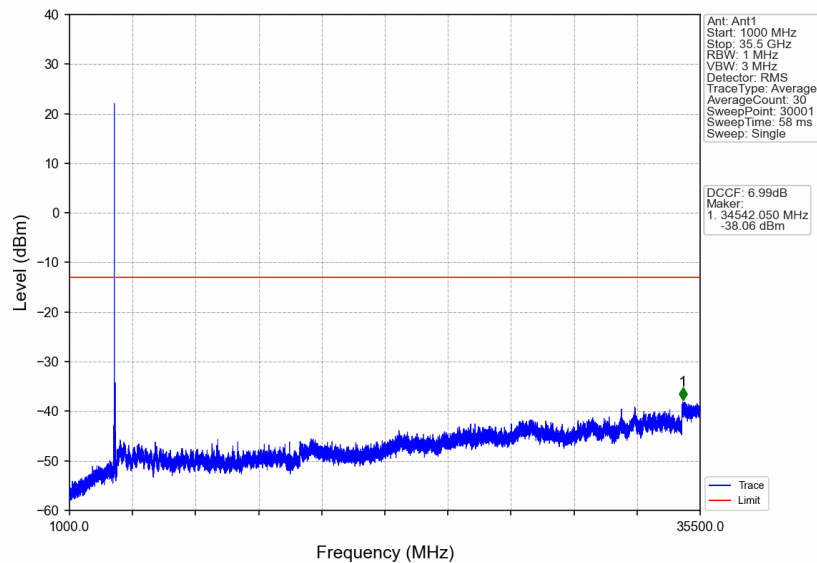


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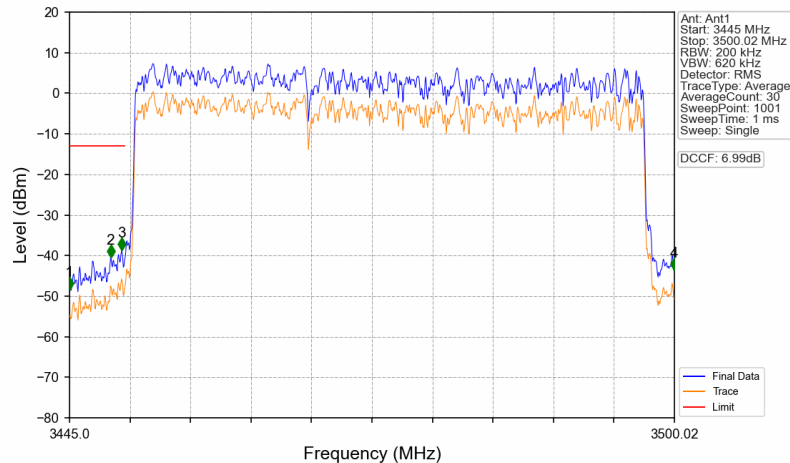
Rev.: 01

Page: 1073 of 1237

n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_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	-48.38	-13	Pass
3445.02	3449.02	0.5	/	2	3448.741	-40.46	-13	Pass
3449.02	3450.02	0.2	/	3	3449.732	-38.77	-13	Pass
3450.02	3500.02	0.2	/	4	3500.020	-43.72	-13	Pass



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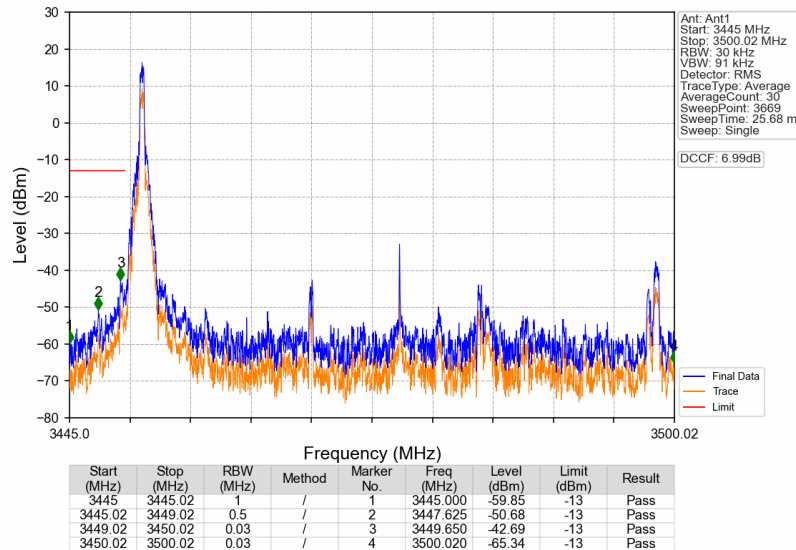


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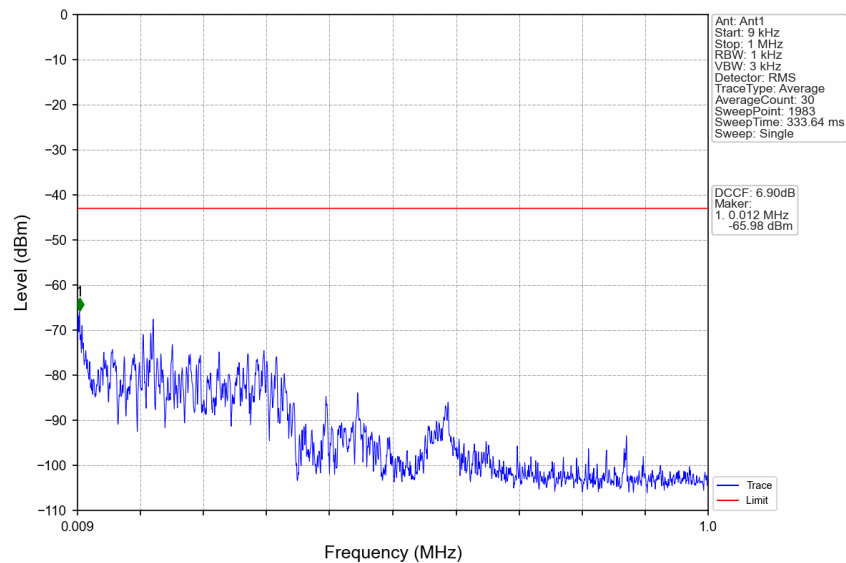
Rev.: 01

Page: 1074 of 1237

n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK 3475.02MHz_Inner_1RB_Left



n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK 3500.01MHz_Edge_1RB_Left



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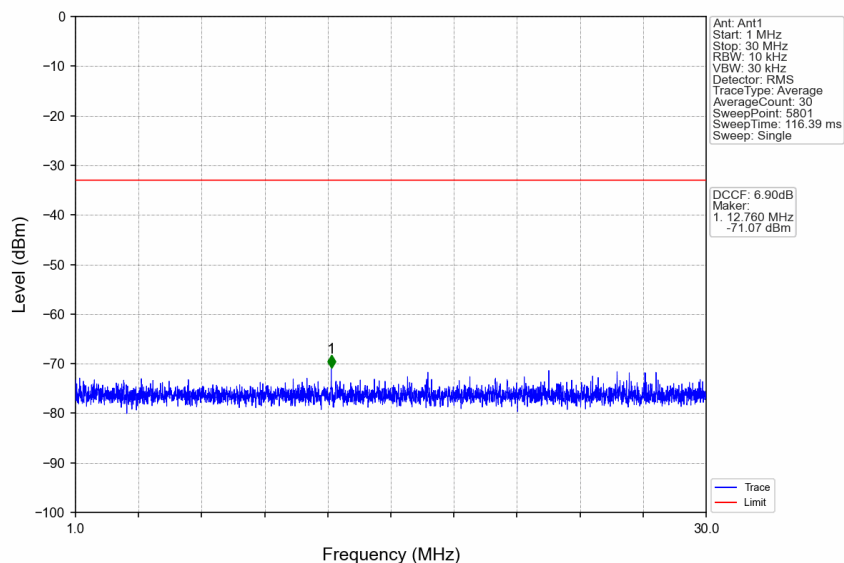


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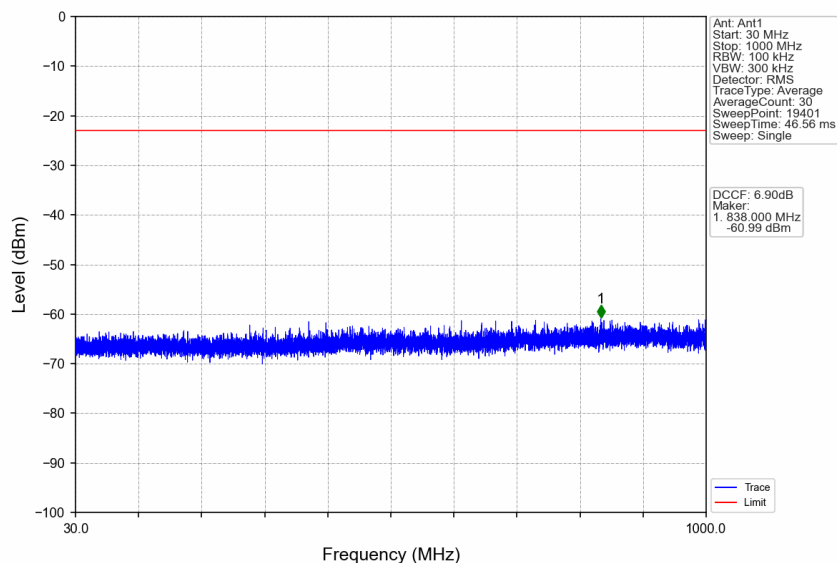
Rev.: 01

Page: 1075 of 1237

n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



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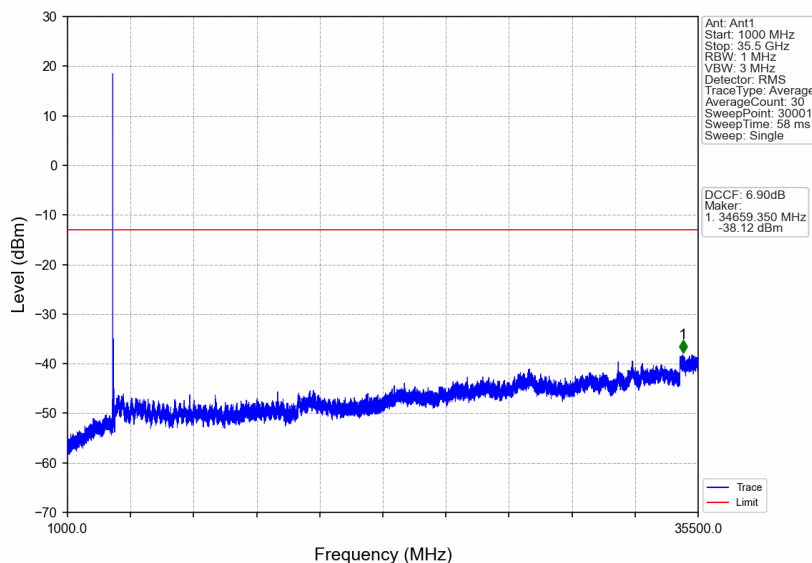
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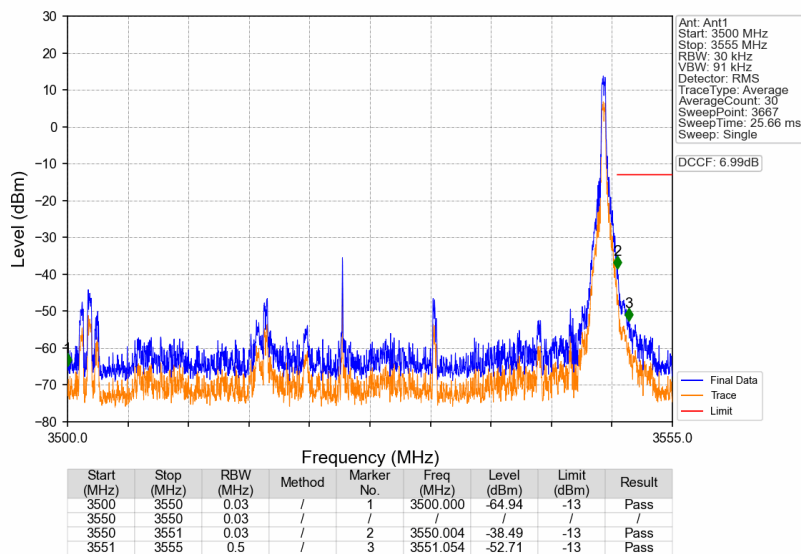
Rev.: 01

Page: 1076 of 1237

n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3525MHz_Edge_1RB_Right



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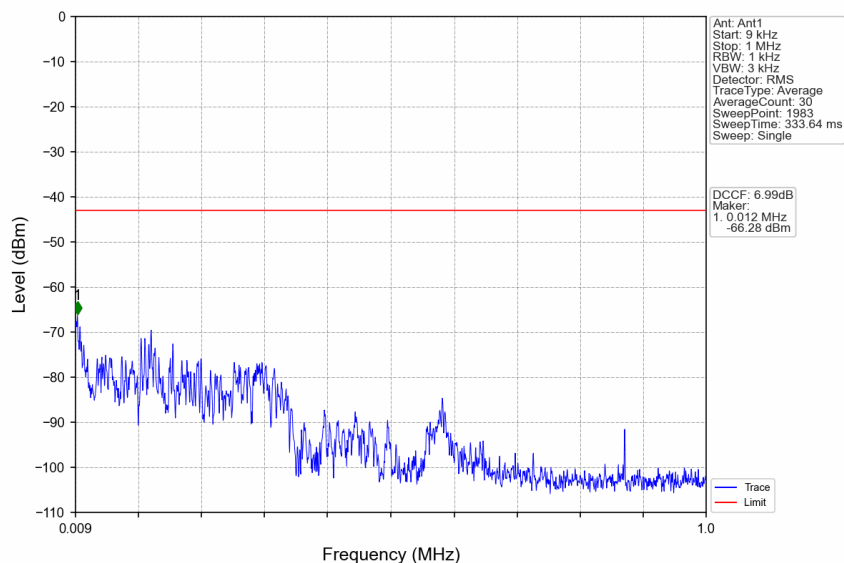


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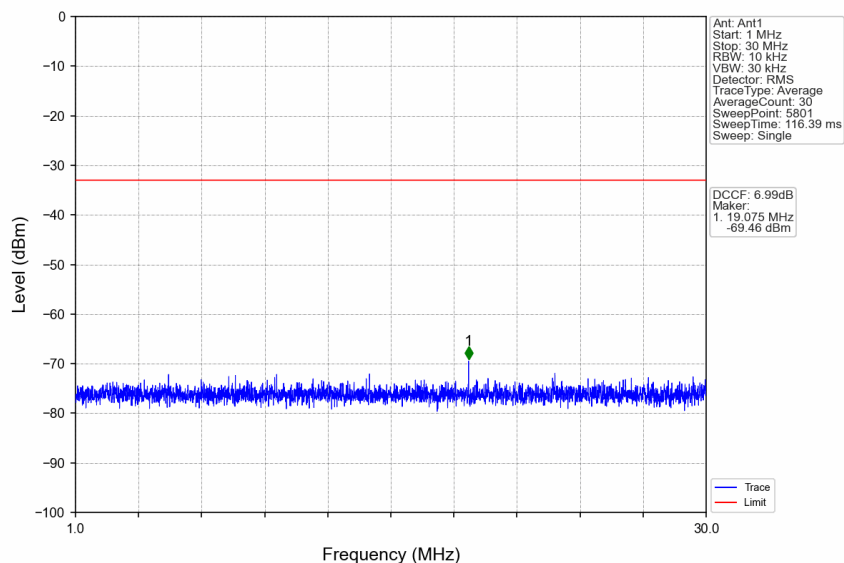
Rev.: 01

Page: 1077 of 1237

n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3525MHz_Edge_1RB_Right



n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3525MHz_Edge_1RB_Right



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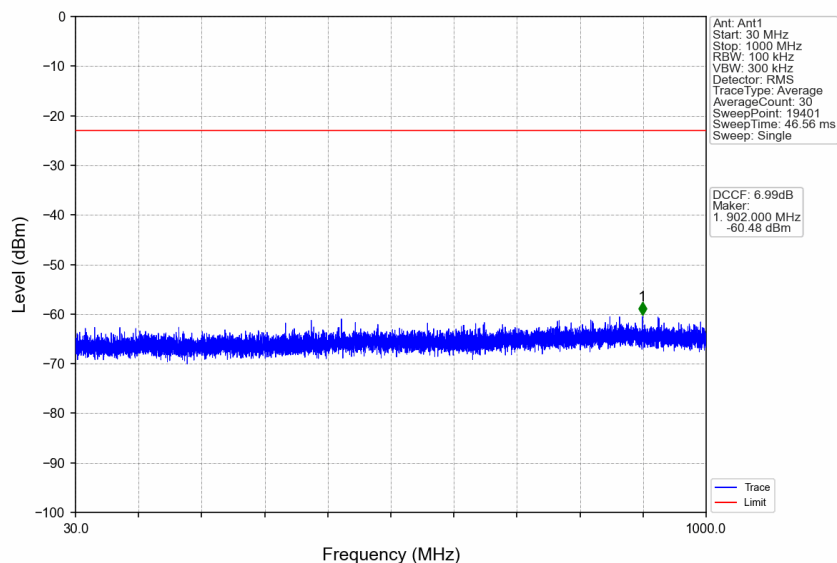


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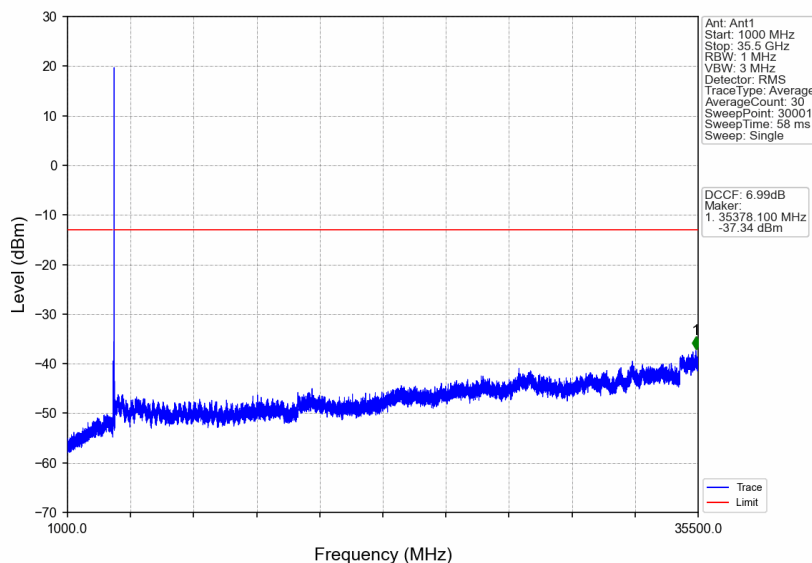
Rev.: 01

Page: 1078 of 1237

n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_PI/2_BPSK_3525MHz_Edge_1RB_Right



n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_PI/2_BPSK_3525MHz_Edge_1RB_Right



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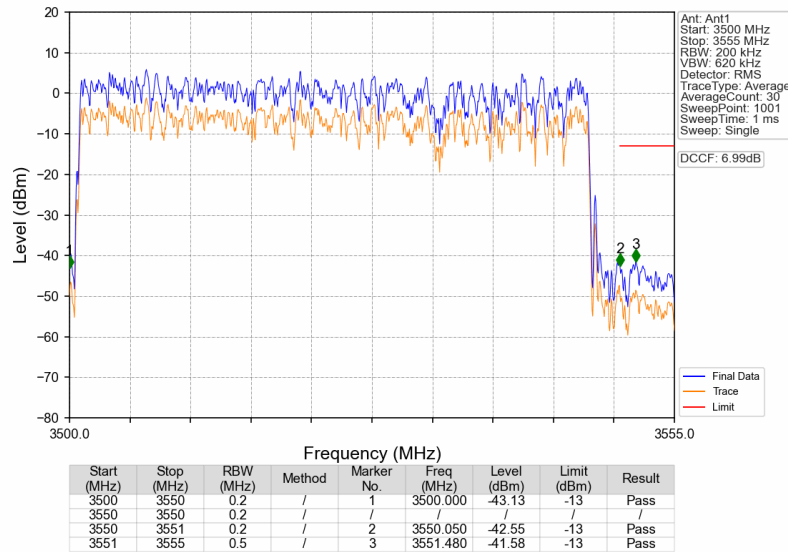


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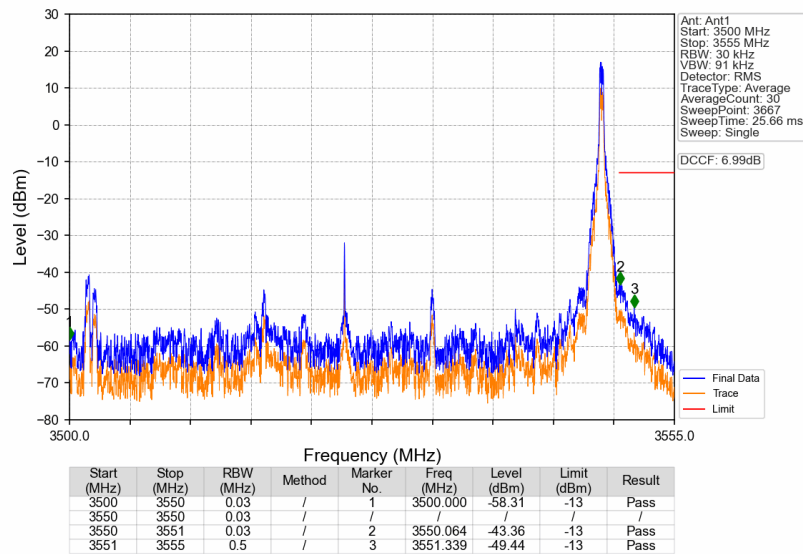
Rev.: 01

Page: 1079 of 1237

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n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3525MHz_Inner_1RB_Right



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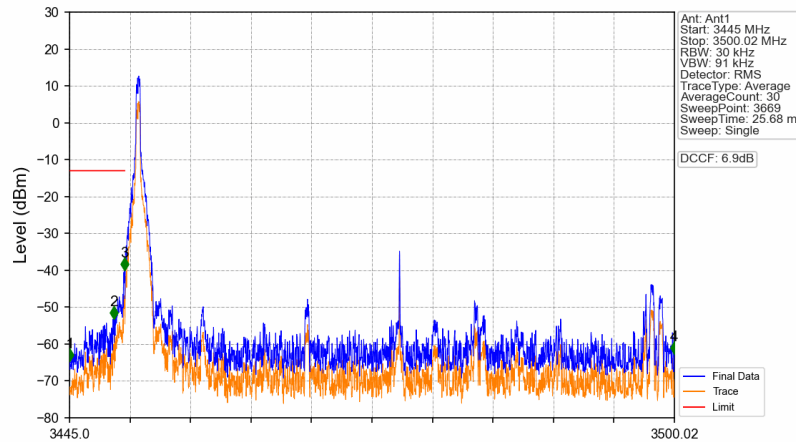
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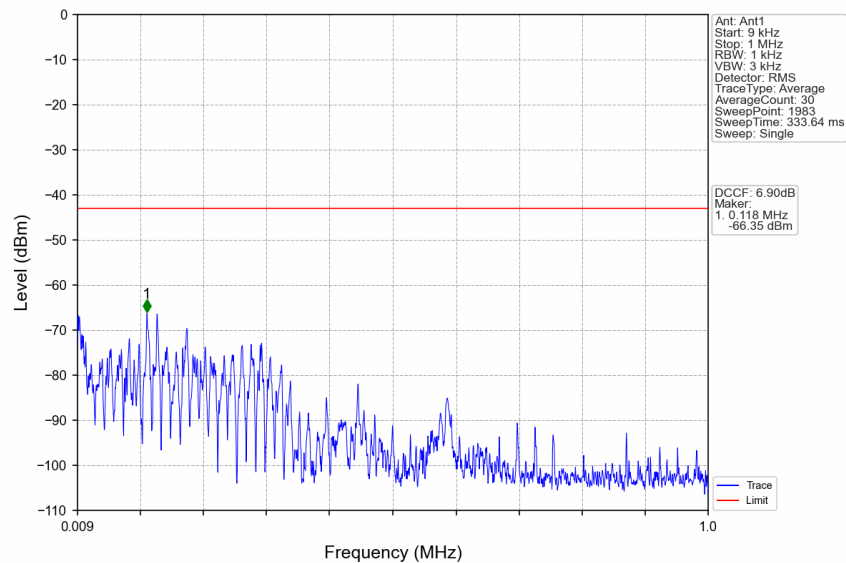
Page: 1080 of 1237

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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	3445.015	-64.70	-13	Pass
3445.02	3449.02	0.5	/	2	3449.020	-53.21	-13	Pass
3449.02	3450.02	0.03	/	3	3449.995	-40.00	-13	Pass
3450.02	3500.02	0.03	/	4	3500.020	-62.76	-13	Pass

n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3475.02MHz_Edge_1RB_Left



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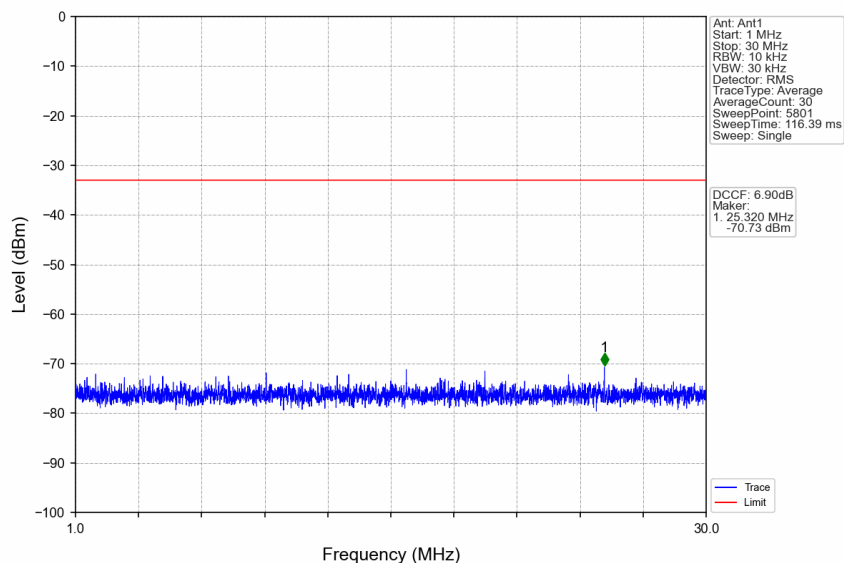


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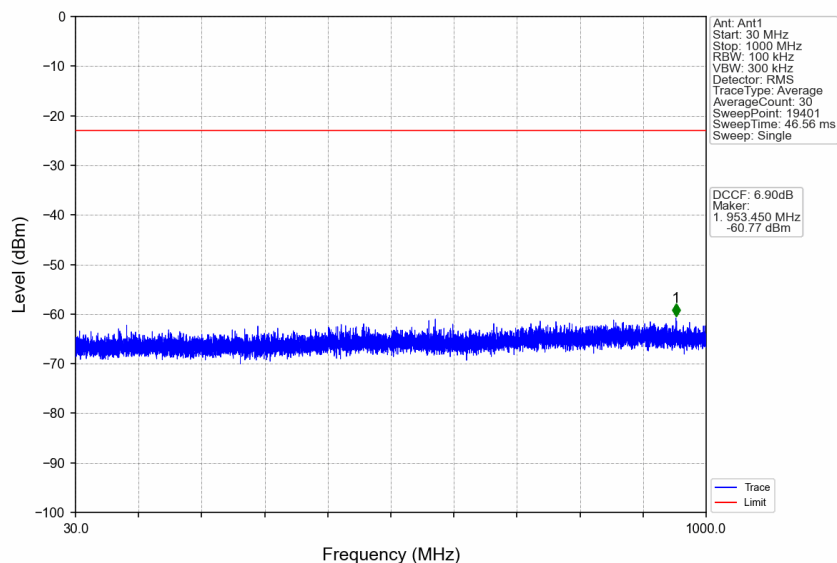
Rev.: 01

Page: 1081 of 1237

n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3475.02MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3475.02MHz_Edge_1RB_Left



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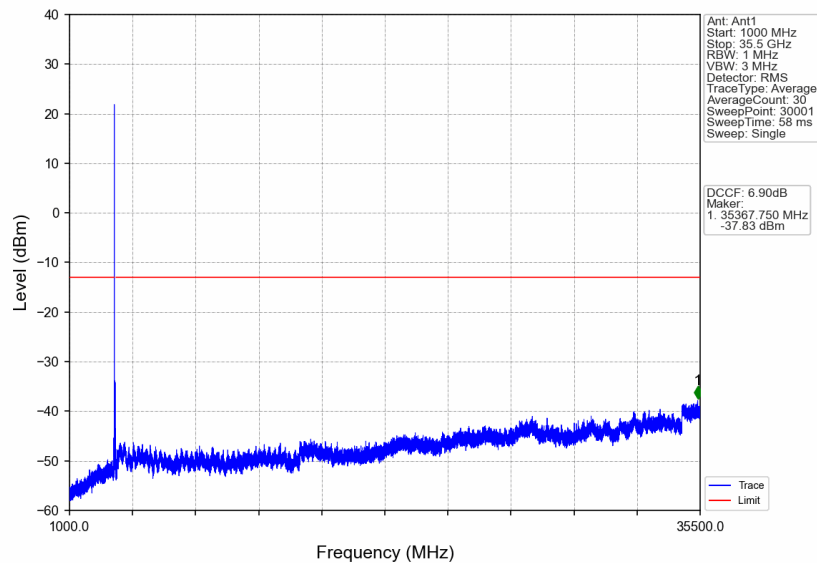


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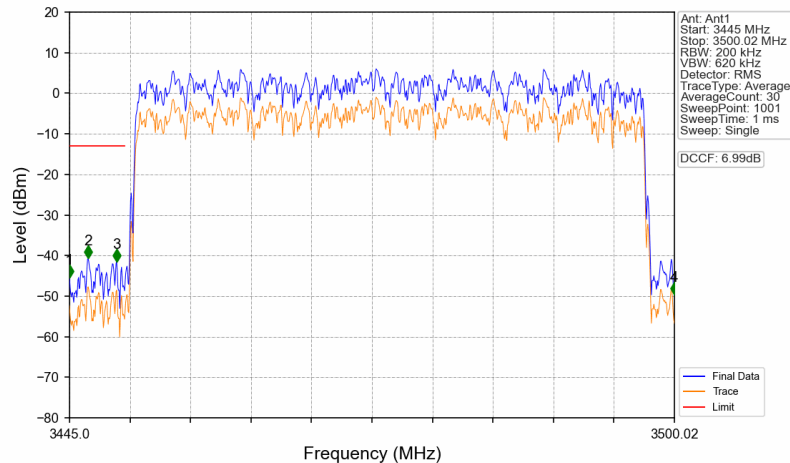
Rev.: 01

Page: 1082 of 1237

n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3475.02MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3475.02MHz_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	-45.39	-13	Pass
3445.02	3449.02	0.5	/	2	3446.706	-40.74	-13	Pass
3449.02	3450.02	0.2	/	3	3449.292	-41.56	-13	Pass
3450.02	3500.02	0.2	/	4	3500.020	-49.73	-13	Pass



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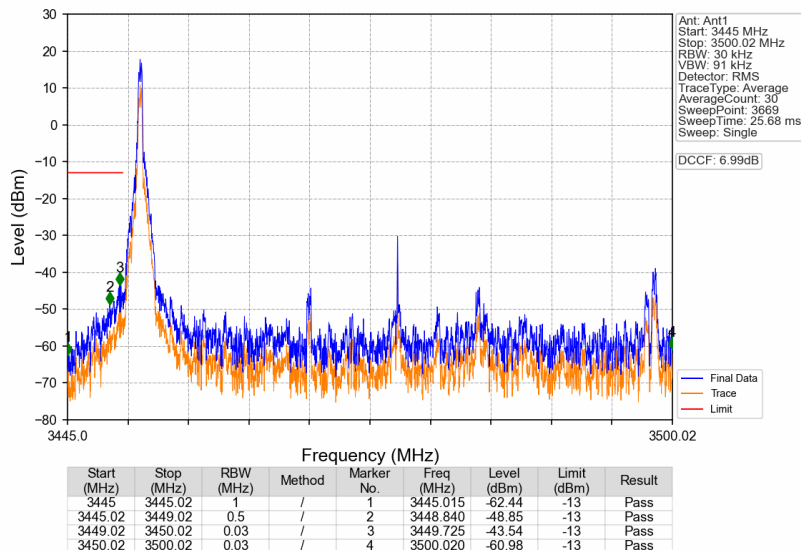
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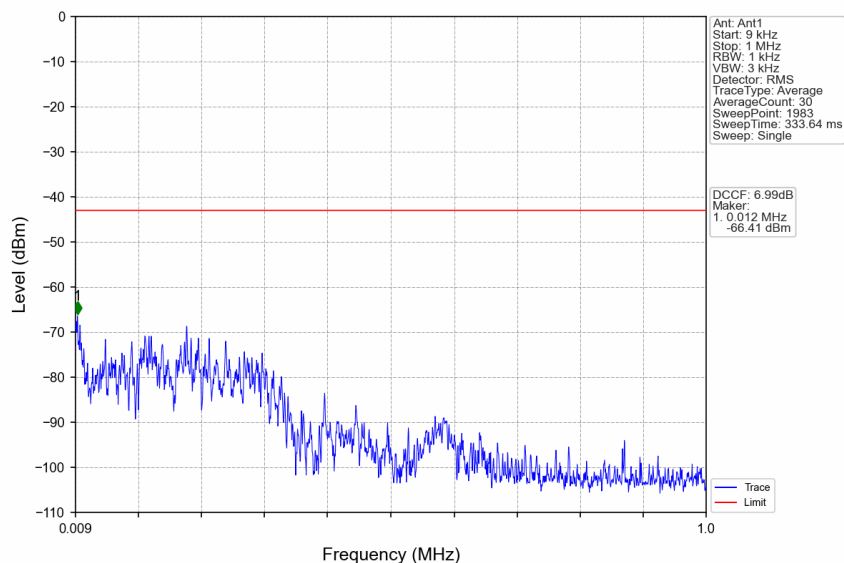
Rev.: 01

Page: 1083 of 1237

n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3475.02MHz_Inner_1RB_Left



n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



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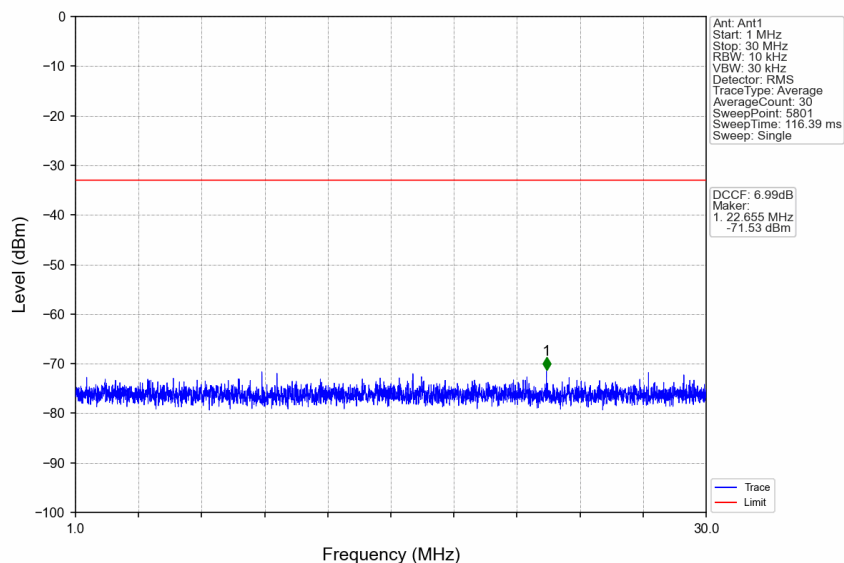


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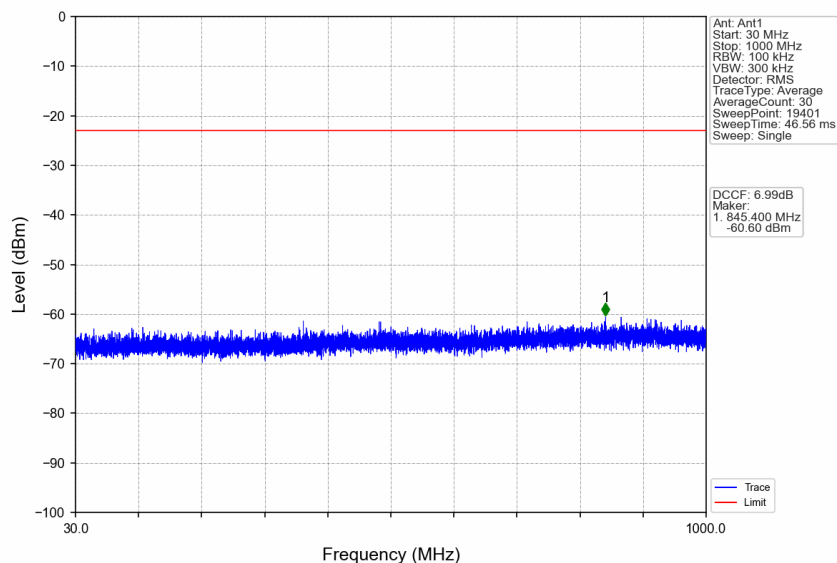
Rev.: 01

Page: 1084 of 1237

n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



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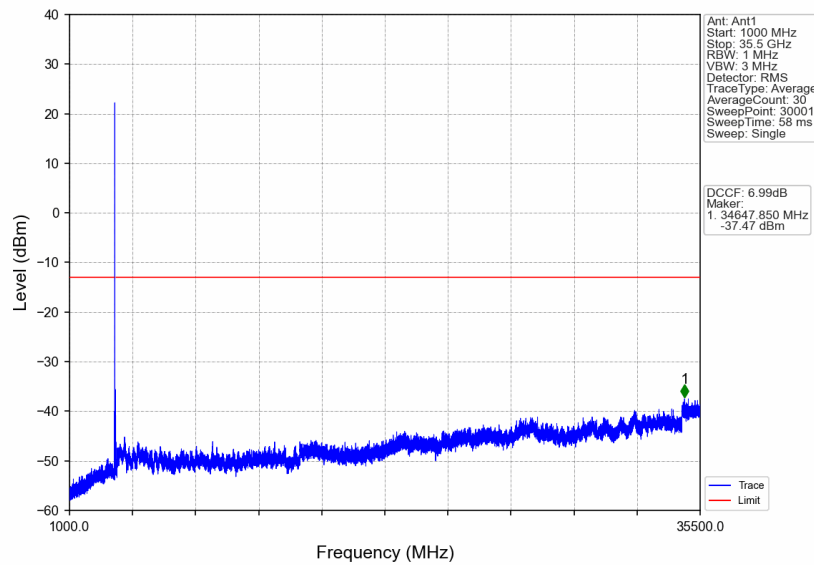
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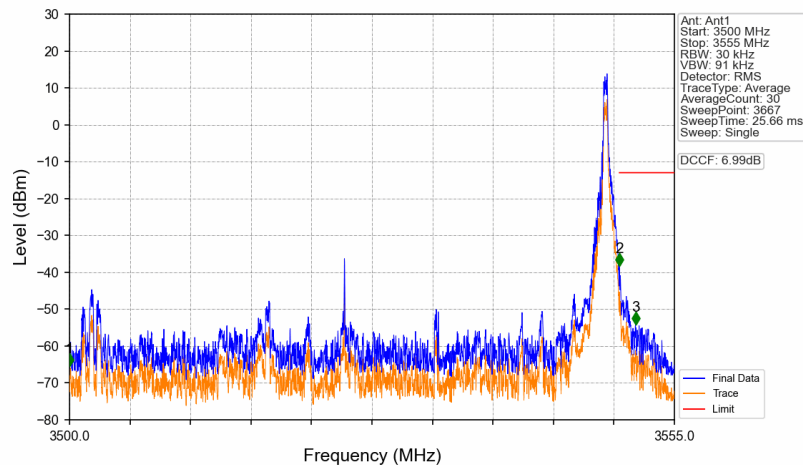
Rev.: 01

Page: 1085 of 1237

n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_50MHz_DFT-s-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	-65.39	-13	Pass
3550	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	2	3550.004	-38.34	-13	Pass
3551	3555	0.5	/	3	3551.459	-54.25	-13	Pass



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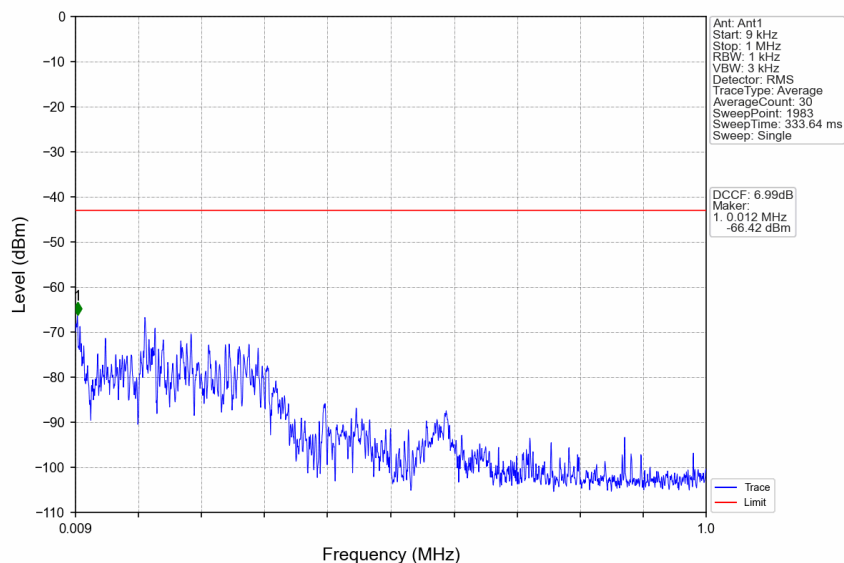
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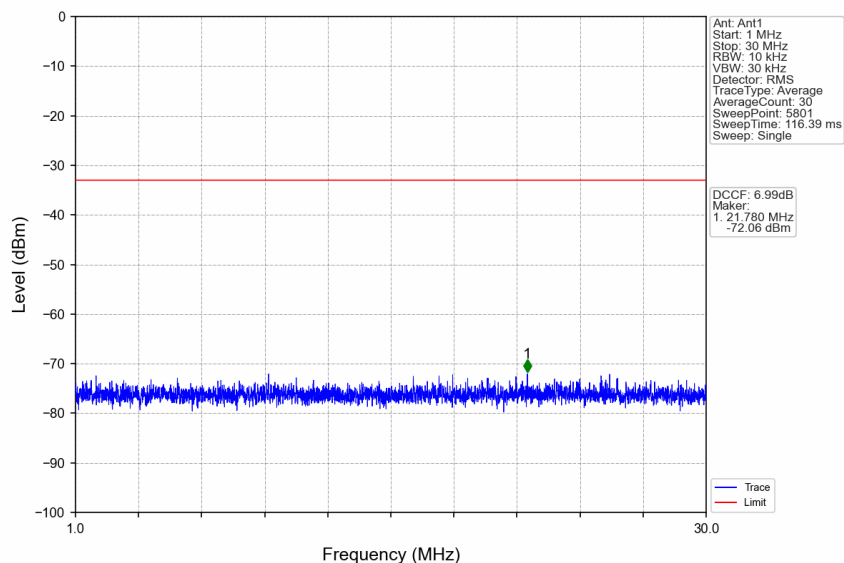
Rev.: 01

Page: 1086 of 1237

n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3525MHz_Edge_1RB_Right



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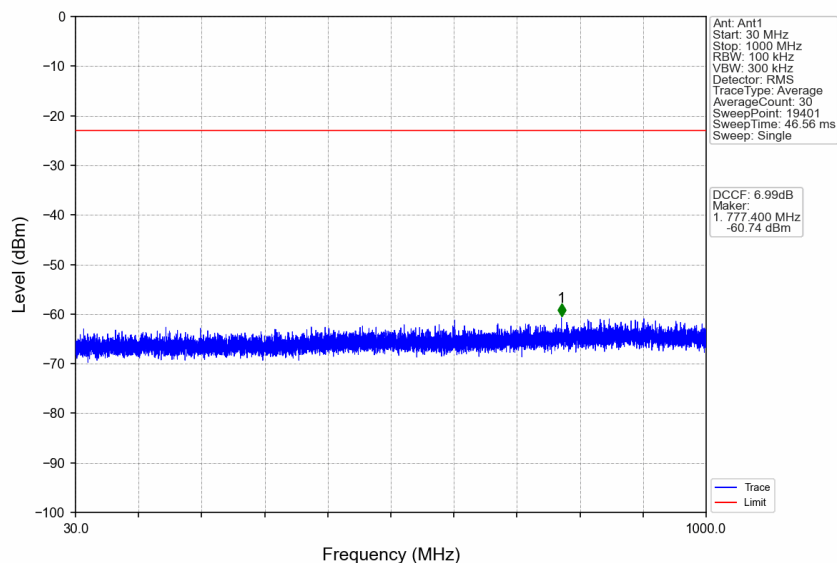


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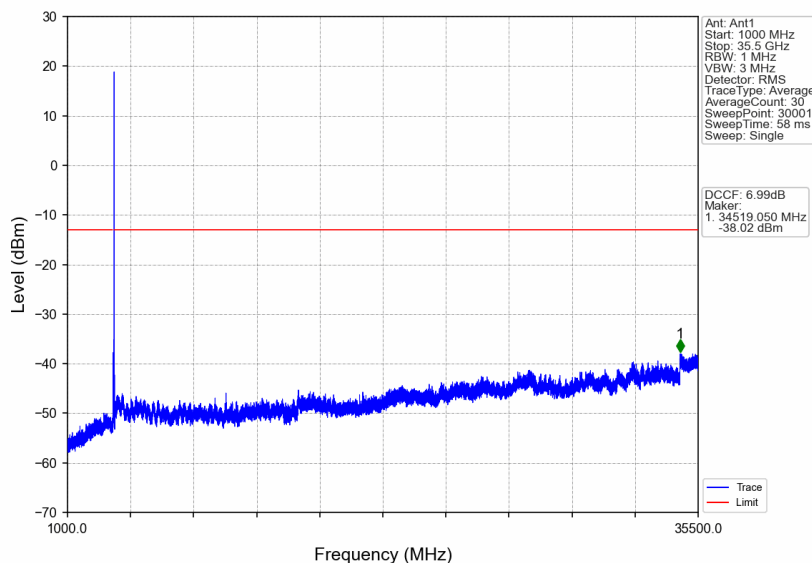
Rev.: 01

Page: 1087 of 1237

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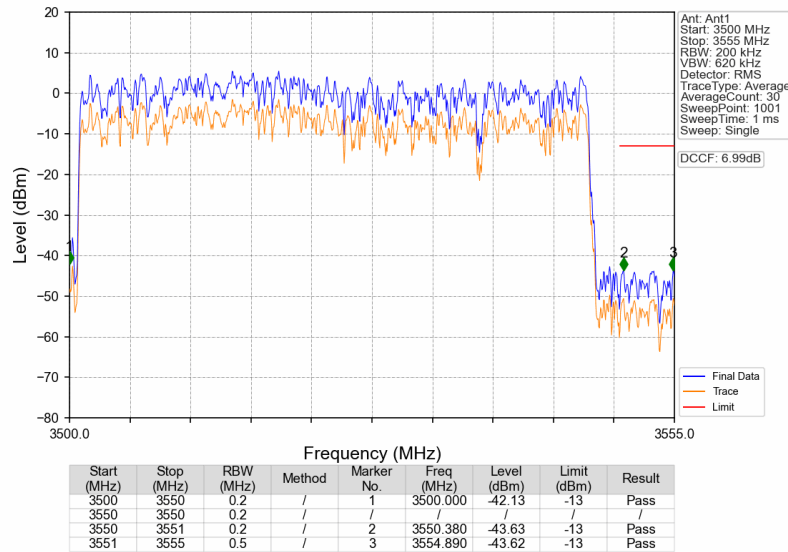
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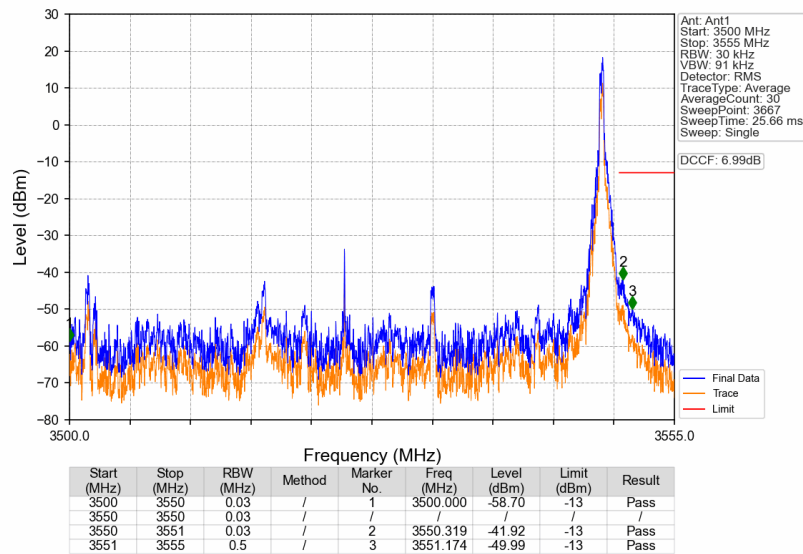
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Page: 1088 of 1237

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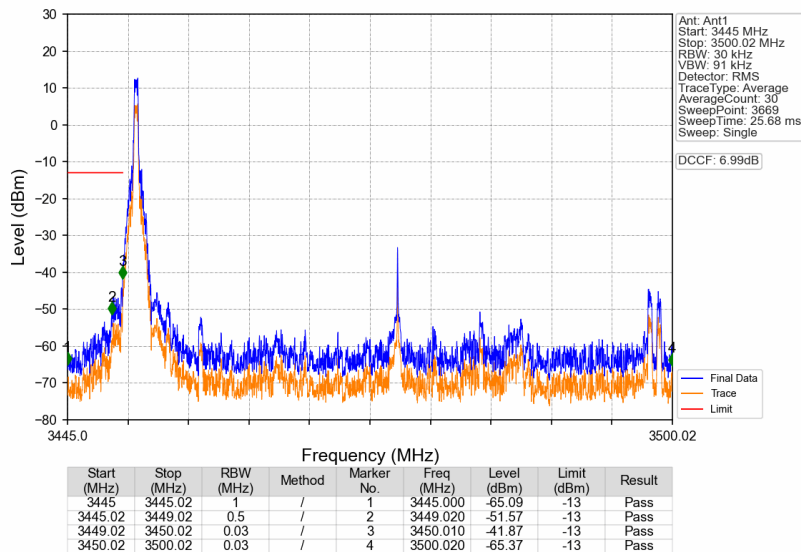
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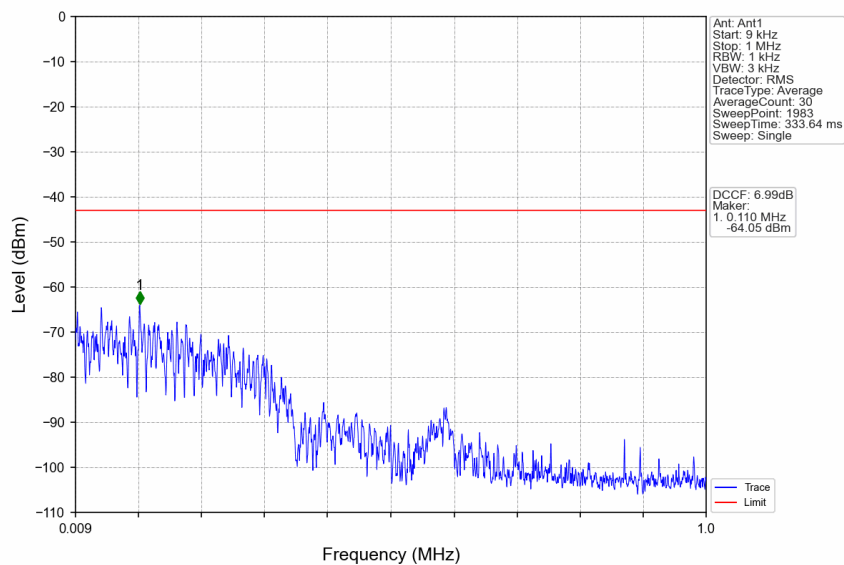
Rev.: 01

Page: 1089 of 1237

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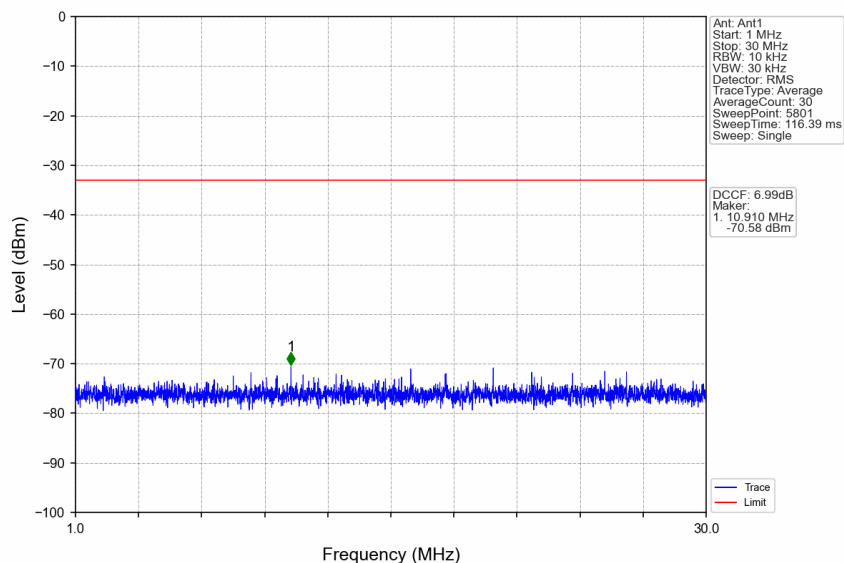
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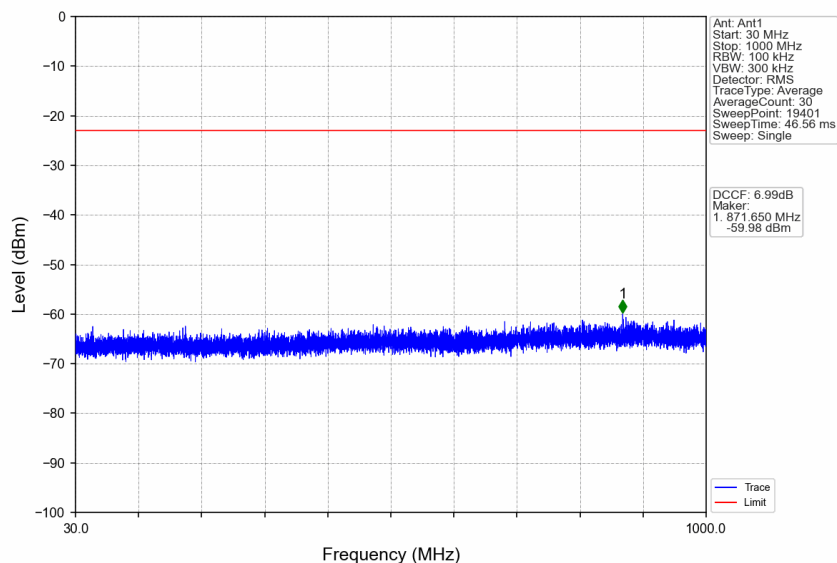
Rev.: 01

Page: 1090 of 1237

n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3475.02MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3475.02MHz_Edge_1RB_Left



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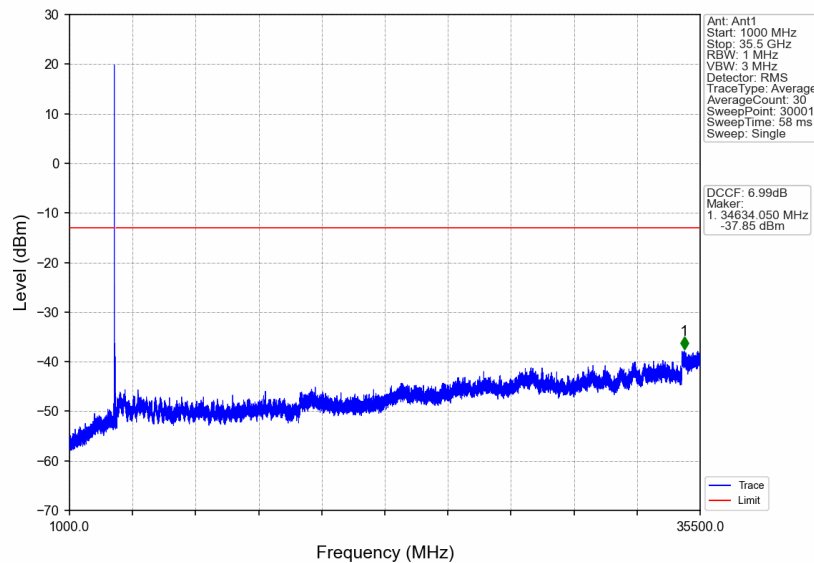
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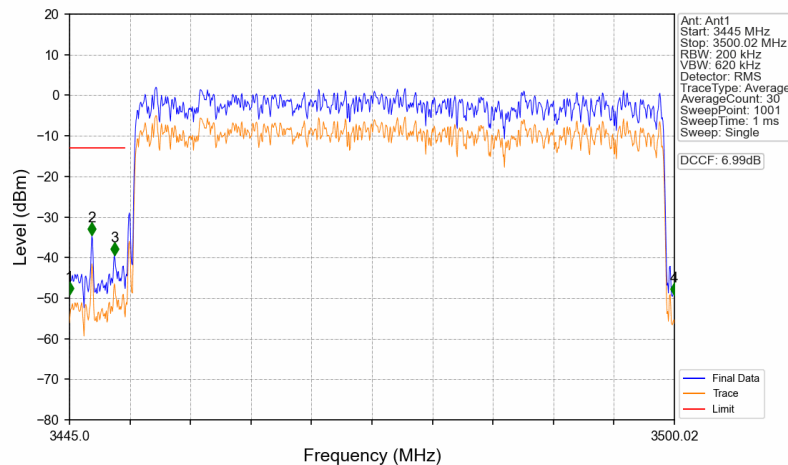
Rev.: 01

Page: 1091 of 1237

n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3475.02MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3475.02MHz_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	-49.09	-13	Pass
3445.02	3449.02	0.5	/	2	3447.036	-34.57	-13	Pass
3449.02	3450.02	0.2	/	3	3449.071	-39.46	-13	Pass
3450.02	3500.02	0.2	/	4	3500.020	-49.29	-13	Pass



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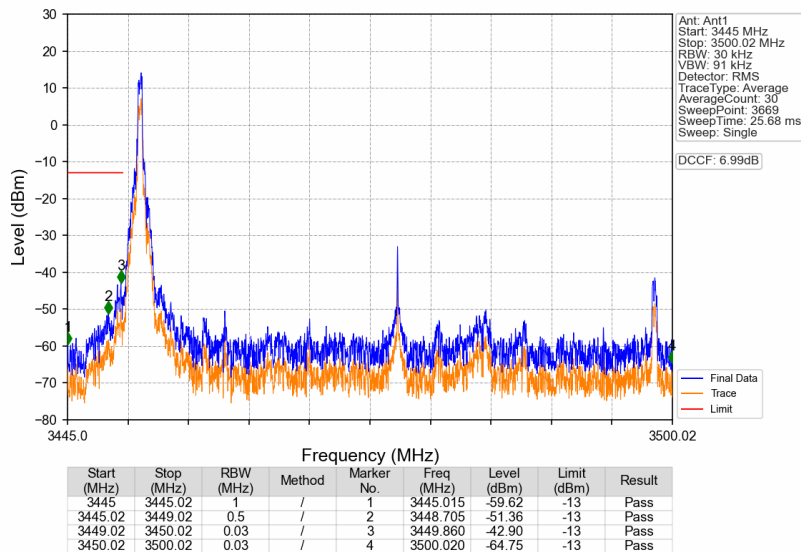
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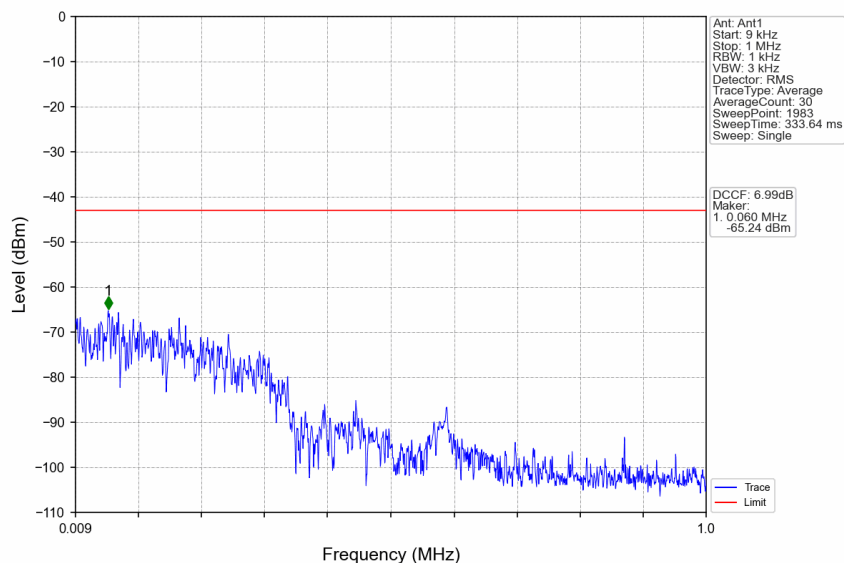
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Page: 1092 of 1237

n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3475.02MHz_Inner_1RB_Left



n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



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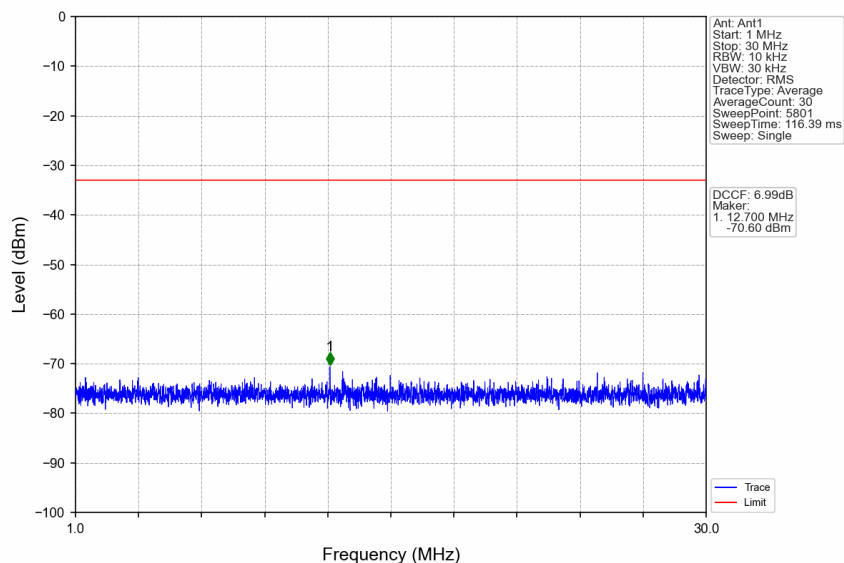
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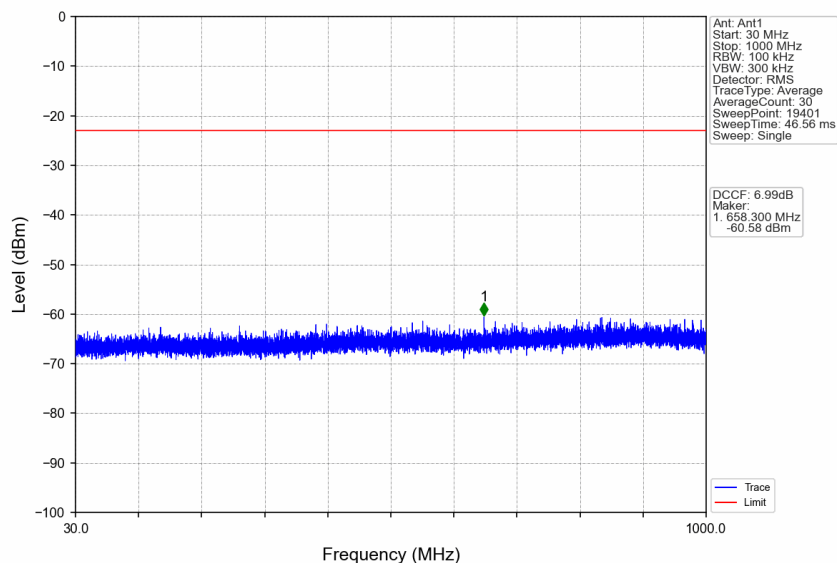
Rev.: 01

Page: 1093 of 1237

n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



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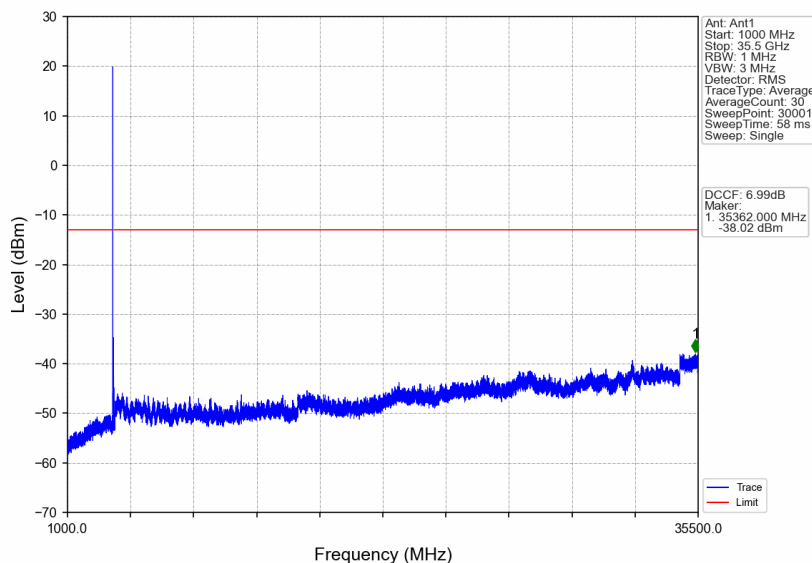
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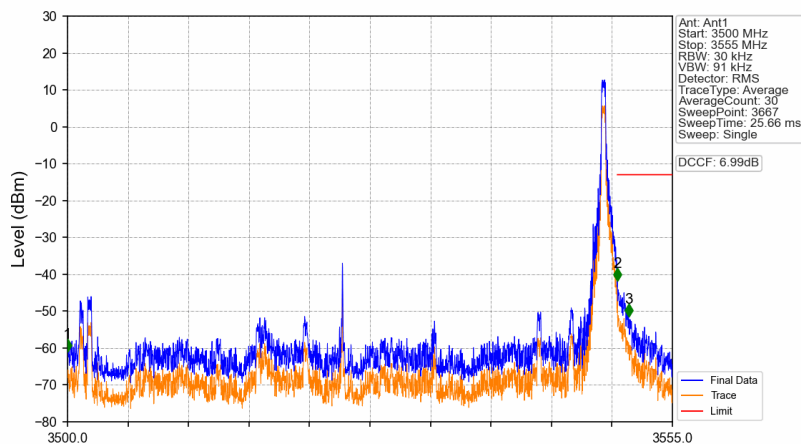
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Page: 1094 of 1237

n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



n77d_30kHz_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	-61.07	-13	Pass
3550	3550	0.03	/	/	/	/	/	/
3550	3551	0.03	/	2	3550.004	-41.79	-13	Pass
3551	3555	0.5	/	3	3551.009	-51.45	-13	Pass



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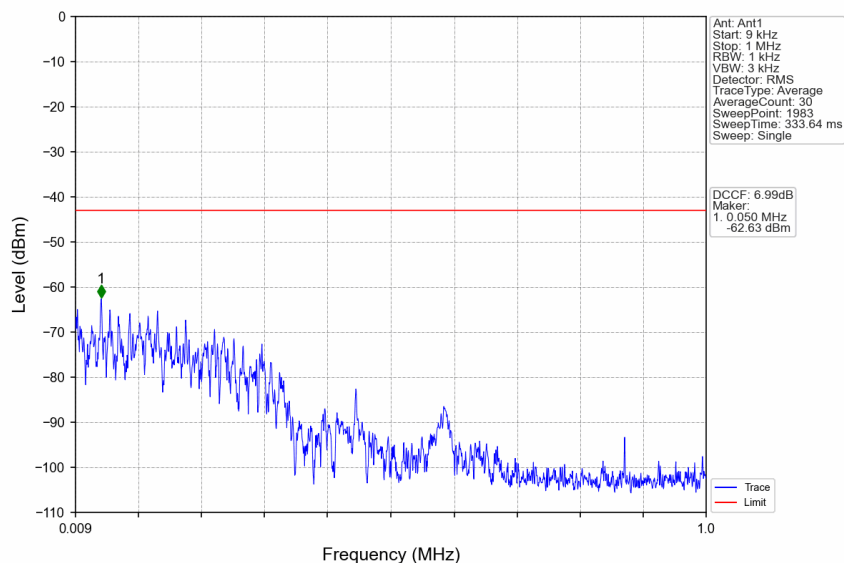
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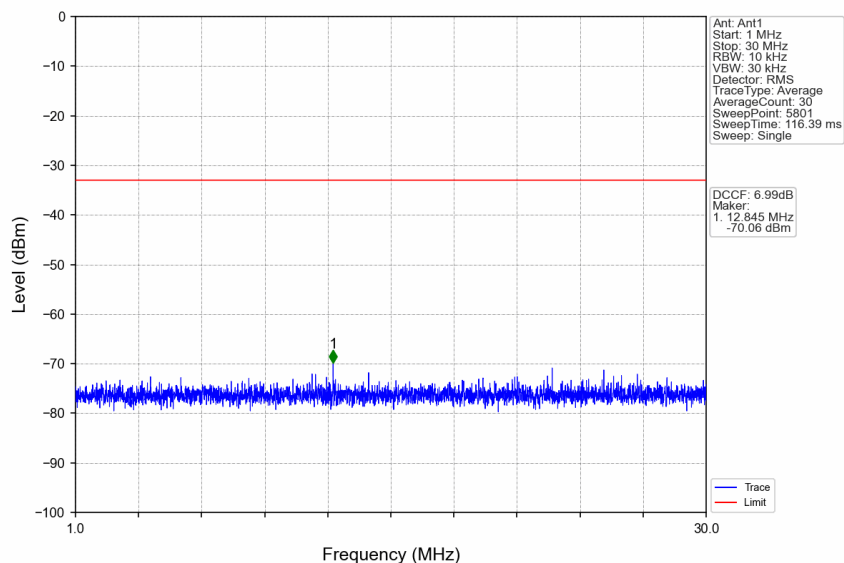
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n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3525MHz_Edge_1RB_Right



n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3525MHz_Edge_1RB_Right



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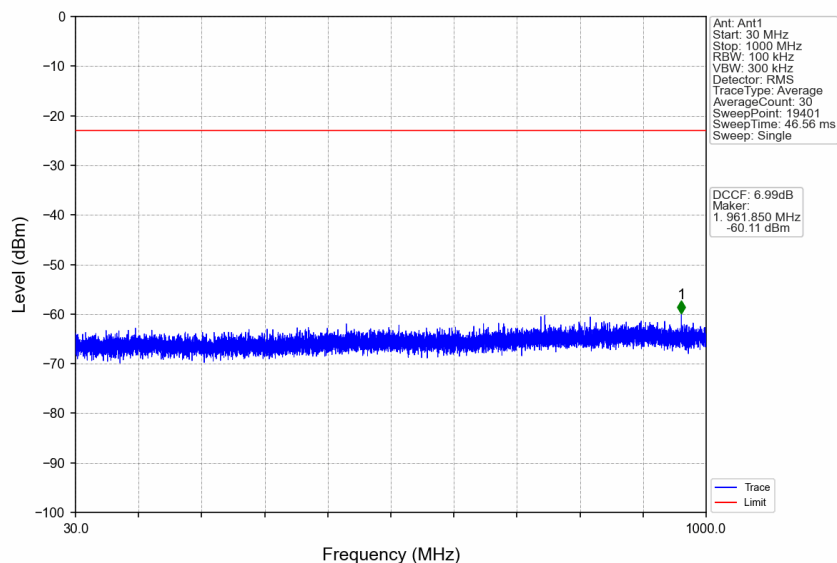
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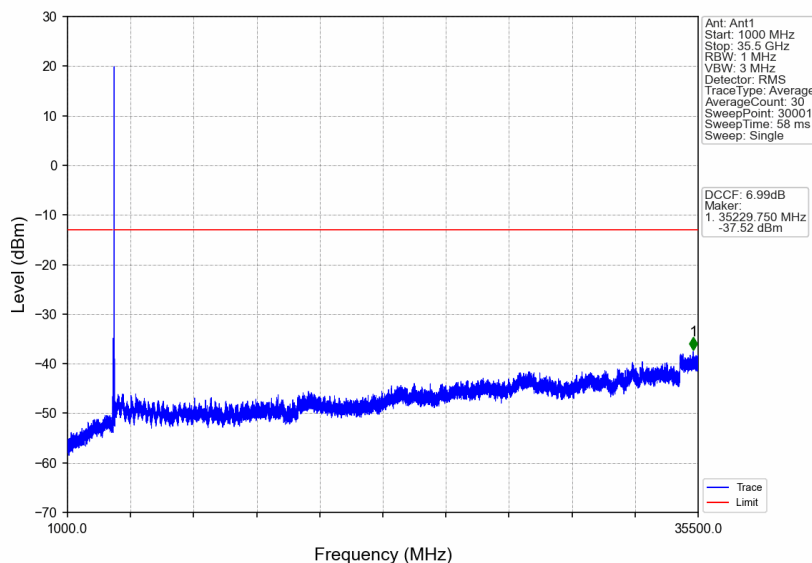
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Page: 1096 of 1237

n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3525MHz_Edge_1RB_Right



n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_3525MHz_Edge_1RB_Right



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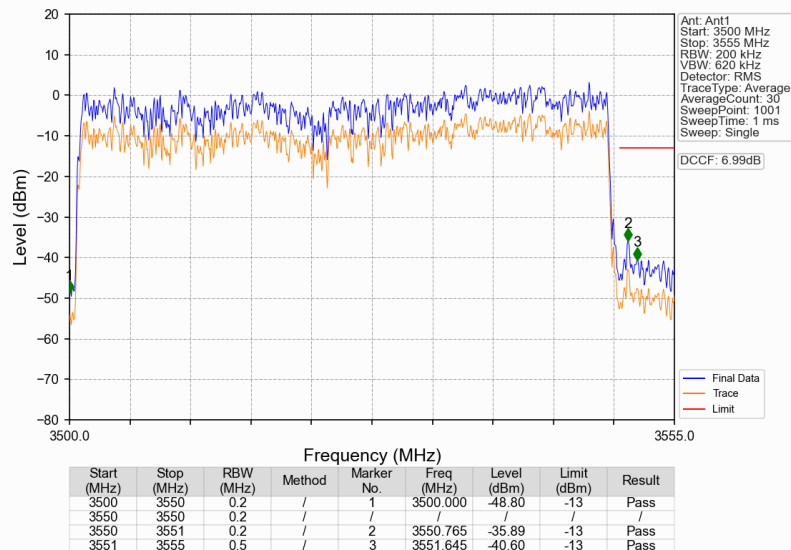
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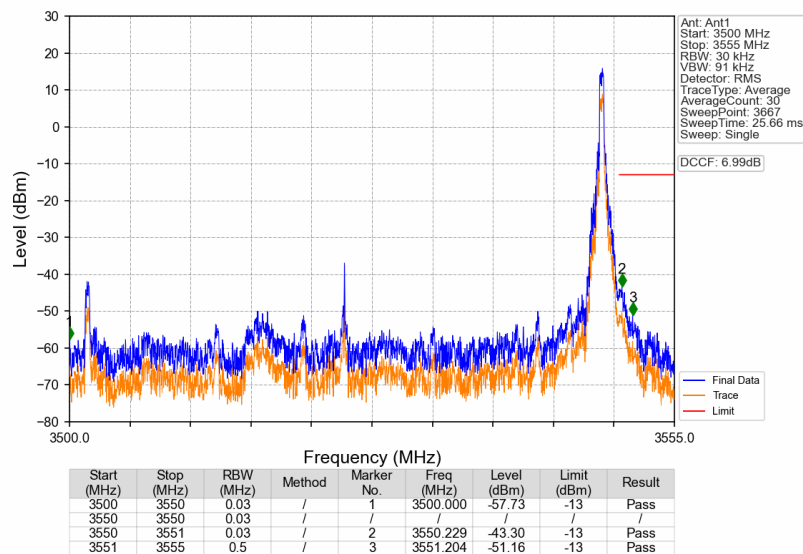
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Page: 1097 of 1237

n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3525MHz_Outer_Full



n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3525MHz_Inner_1RB_Right



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Rev.: 01

Page: 1098 of 1237

6.15 30k_SISO_60MHz_NTNV

6.15.1 Test Result

5G NR n77d SCS=30kHz SISO 60MHz NTNv								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant5	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3480	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	
		3519.99	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3480		Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Inner_1RB_Left	Refer To Test Graph				Pass	
		3519.99	Edge_1RB_Left	Refer To Test Graph				Pass
			Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	3480		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass	
		Edge_1RB_Right	Refer To Test Graph				Pass	
	3500.01	Outer_Full	Refer To Test Graph				Pass	
		3519.99	Inner_1RB_Left	Refer To Test Graph				Pass
			Edge_1RB_Left	Refer To Test Graph				Pass



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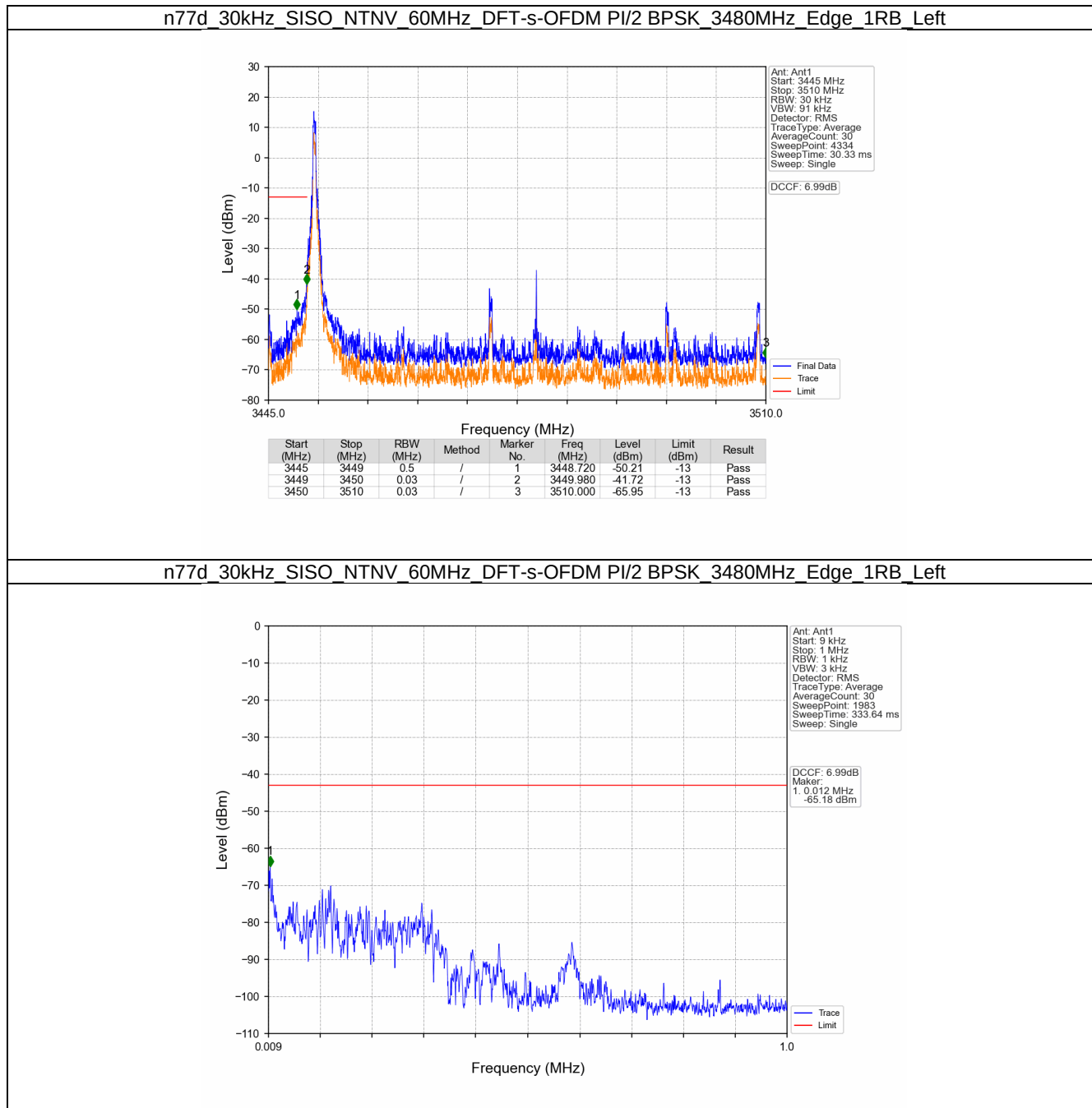
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Rev.: 01

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6.15.2 Test Graph



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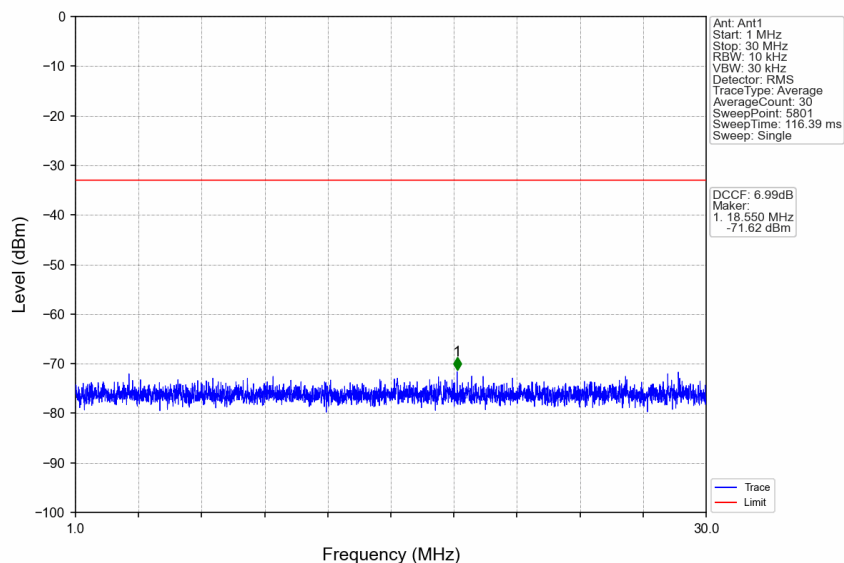


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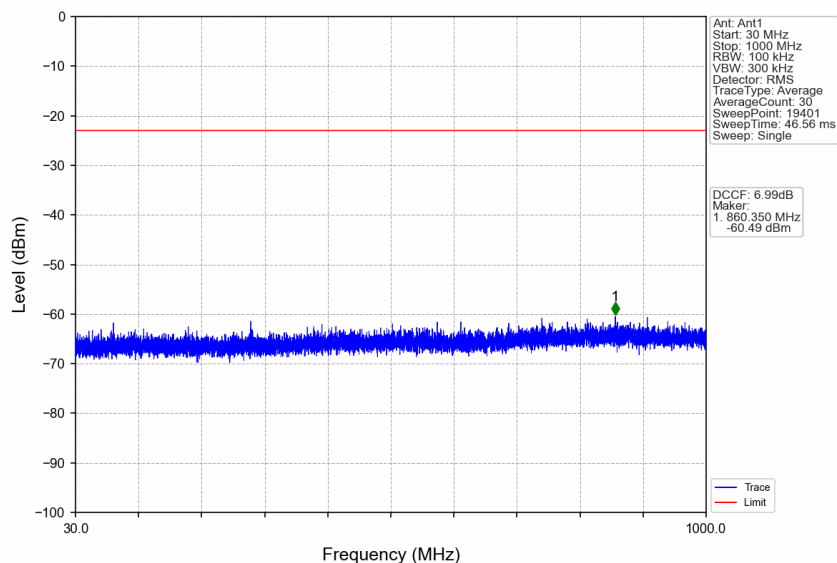
Rev.: 01

Page: 1100 of 1237

n77d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_PI/2_BPSK_3480MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_PI/2_BPSK_3480MHz_Edge_1RB_Left



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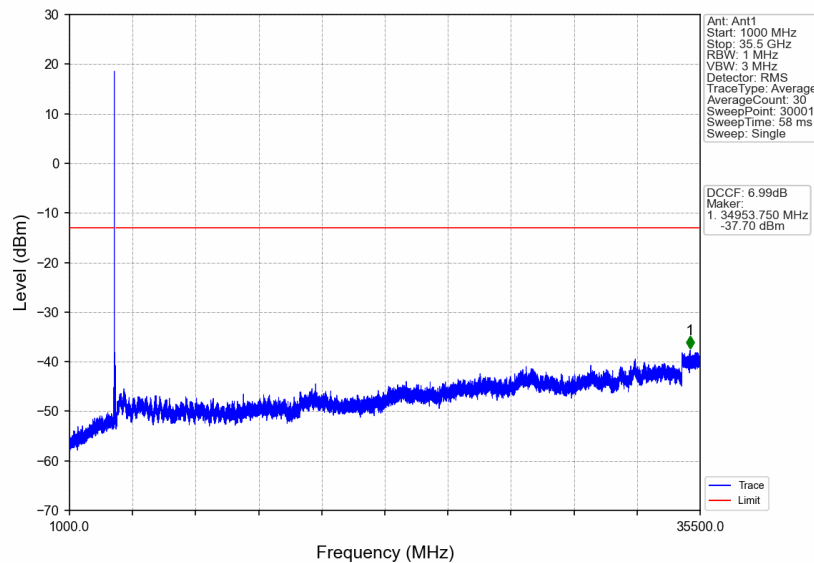
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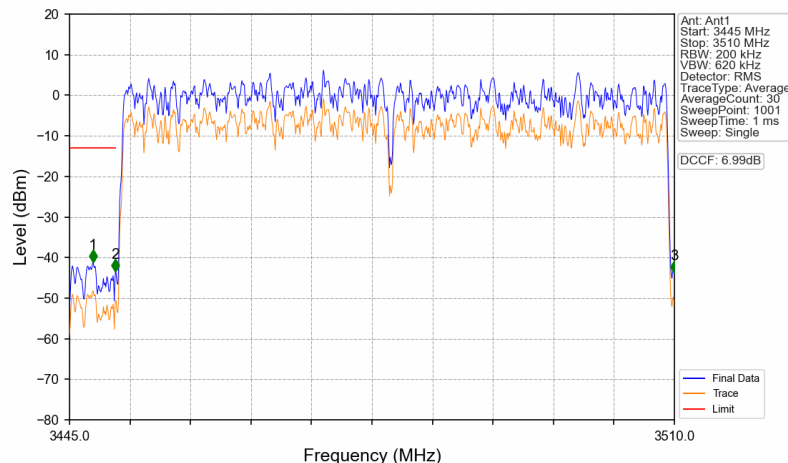
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n77d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3480MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3480MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	/	1	3447.535	-41.17	-13	Pass
3449	3450	0.2	/	2	3449.940	-43.54	-13	Pass
3450	3510	0.2	/	3	3510.000	-43.92	-13	Pass



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