

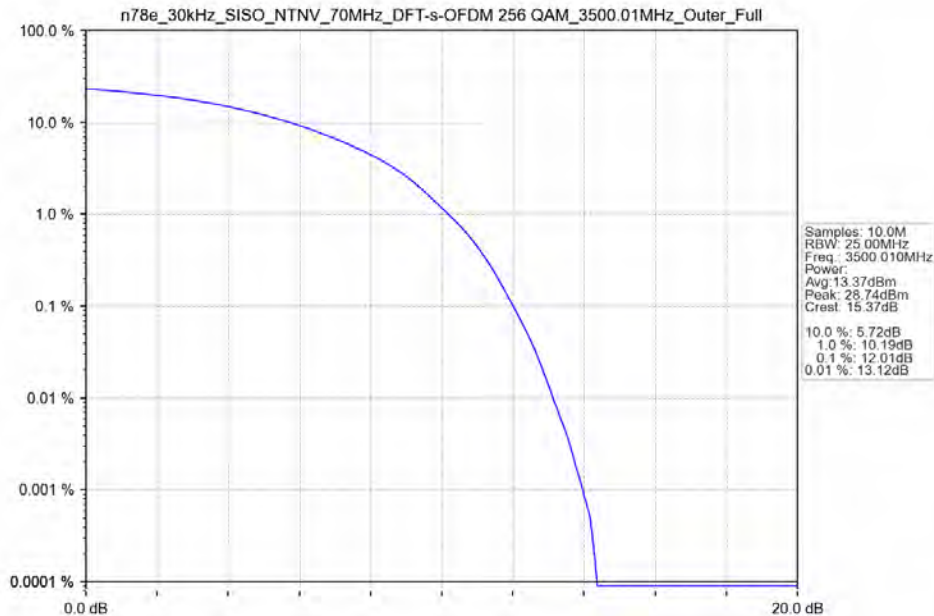


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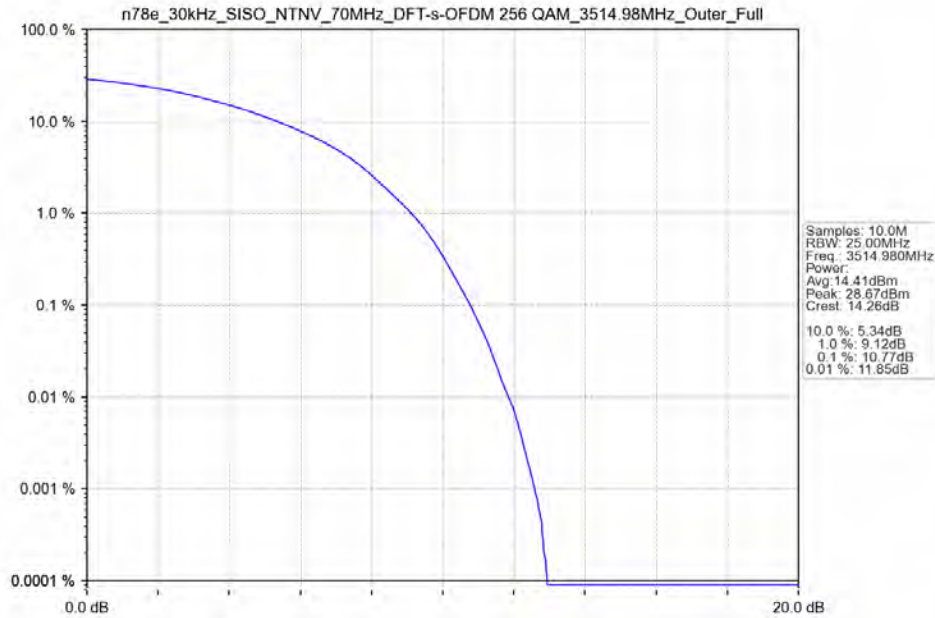
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n78e_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_256_QAM_3514.98MHz_Outer_Full



n78e_30kHz_SISO_NTNV_70MHz_CP-OFDM_QPSK_3485.01MHz_Outer_Full



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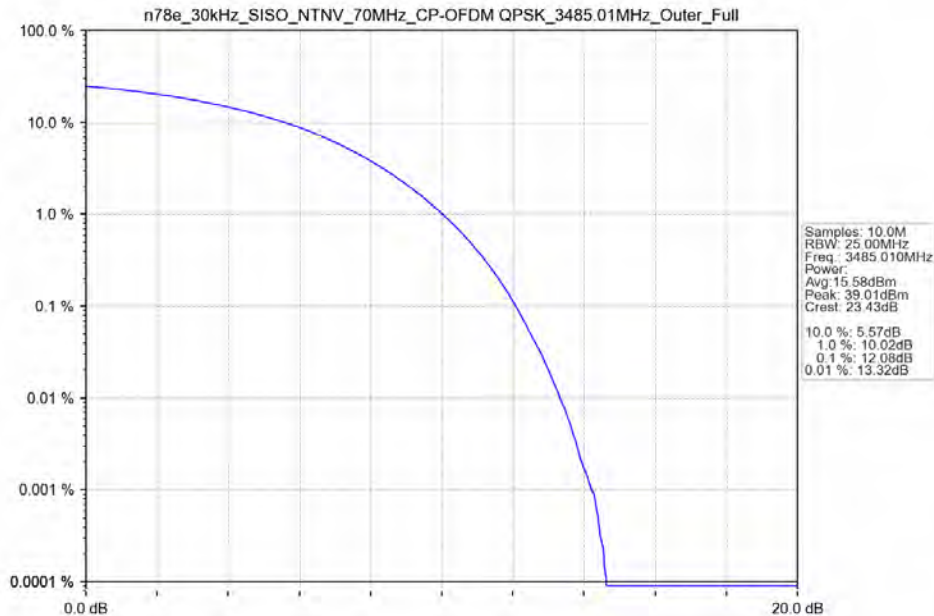


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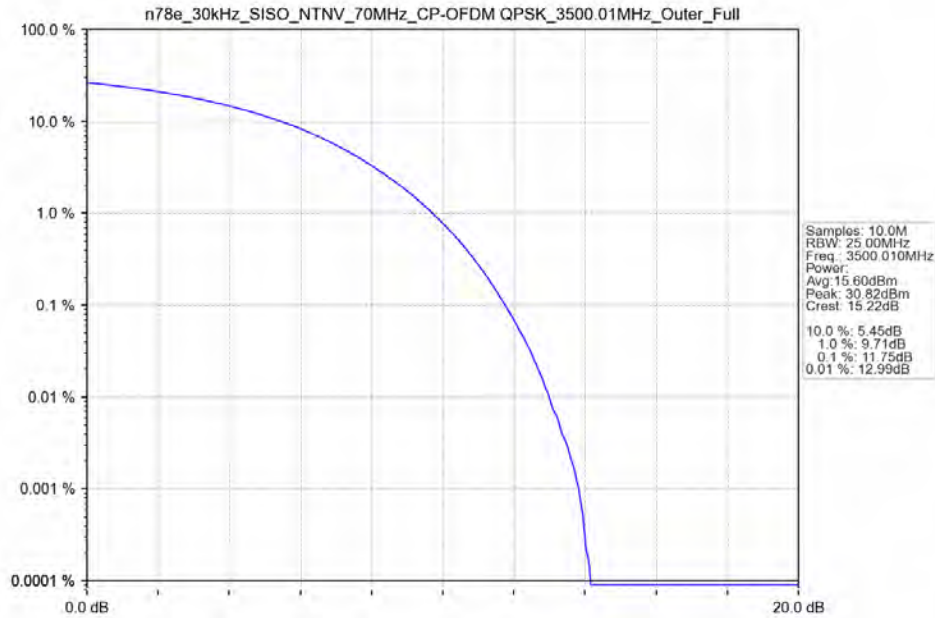
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n78e_30kHz_SISO_NTNV_70MHz_CP-OFDM QPSK_3500.01MHz_Outer_Full



n78e_30kHz_SISO_NTNV_70MHz_CP-OFDM QPSK_3514.98MHz_Outer_Full



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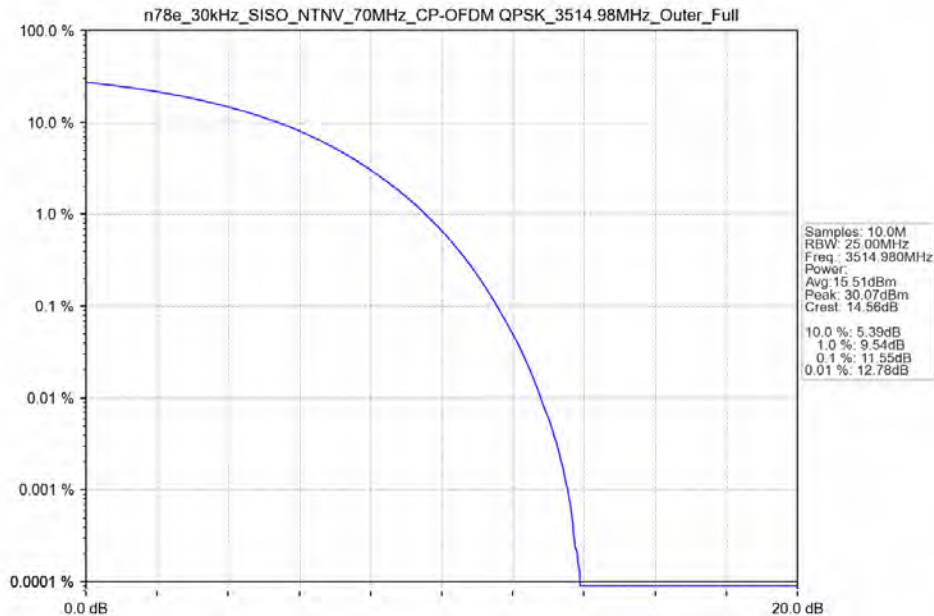


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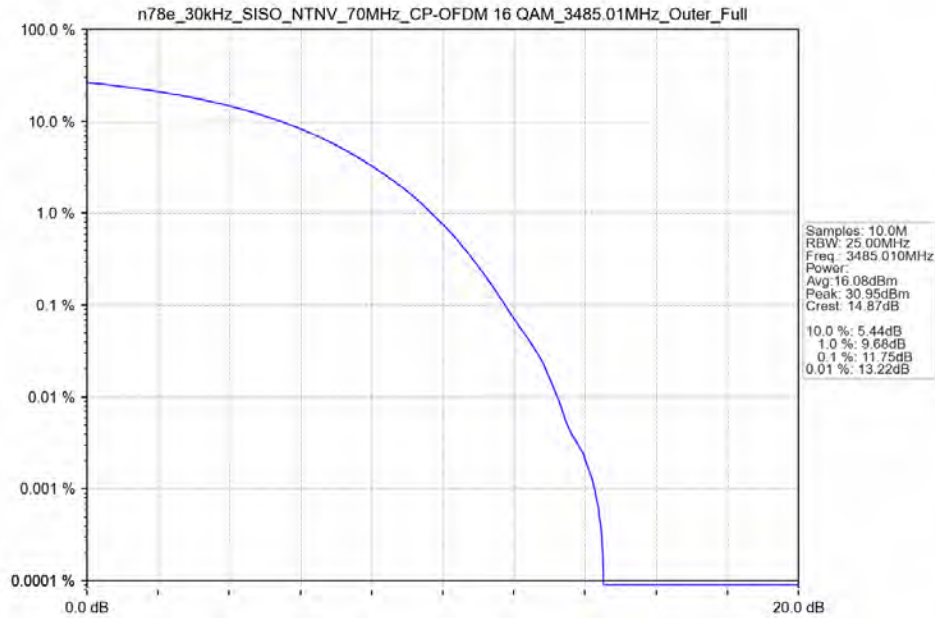
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n78e_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM_3485.01MHz_Outer_Full



n78e_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM_3500.01MHz_Outer_Full



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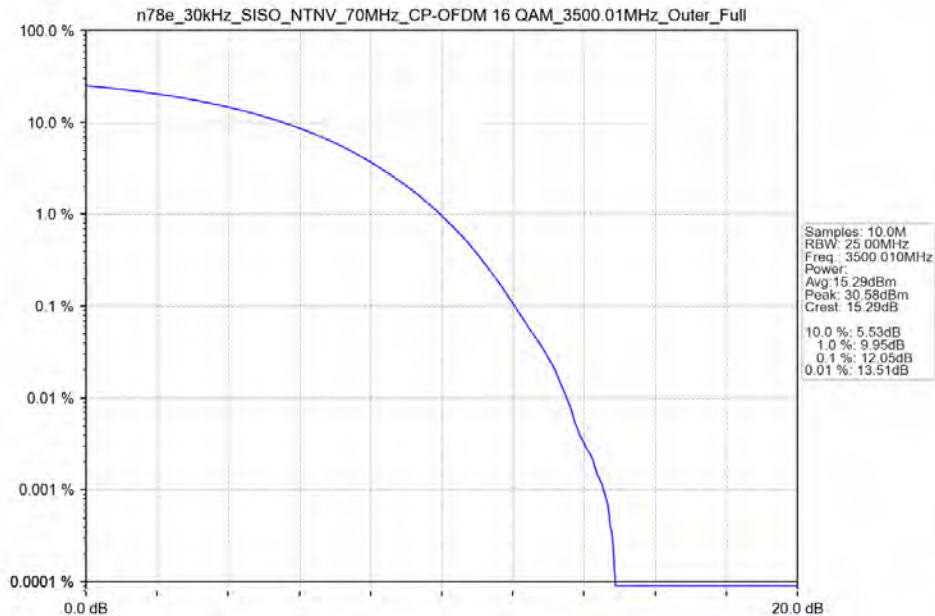


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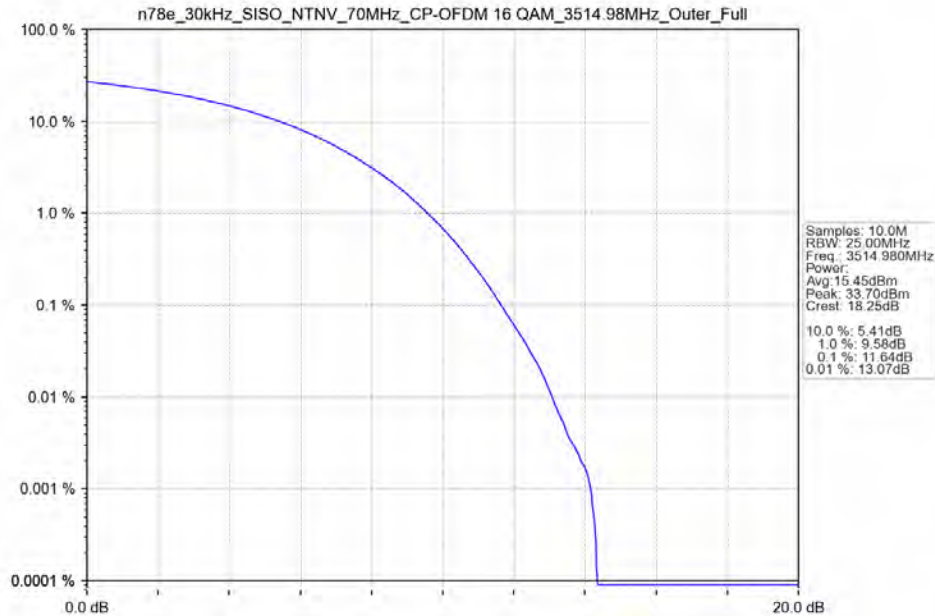
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n78e_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM_3514.98MHz_Outer_Full



n78e_30kHz_SISO_NTNV_70MHz_CP-OFDM 64 QAM_3485.01MHz_Outer_Full



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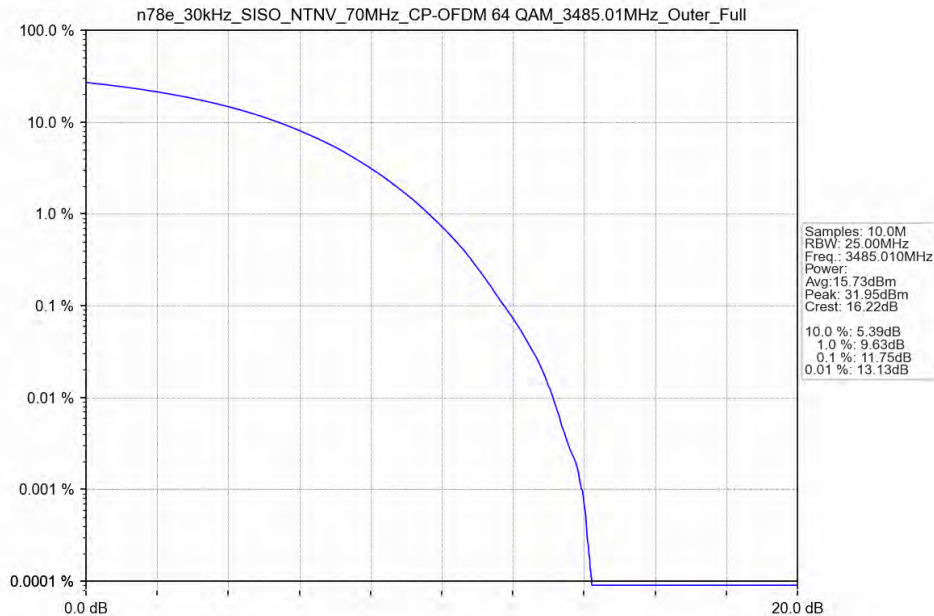


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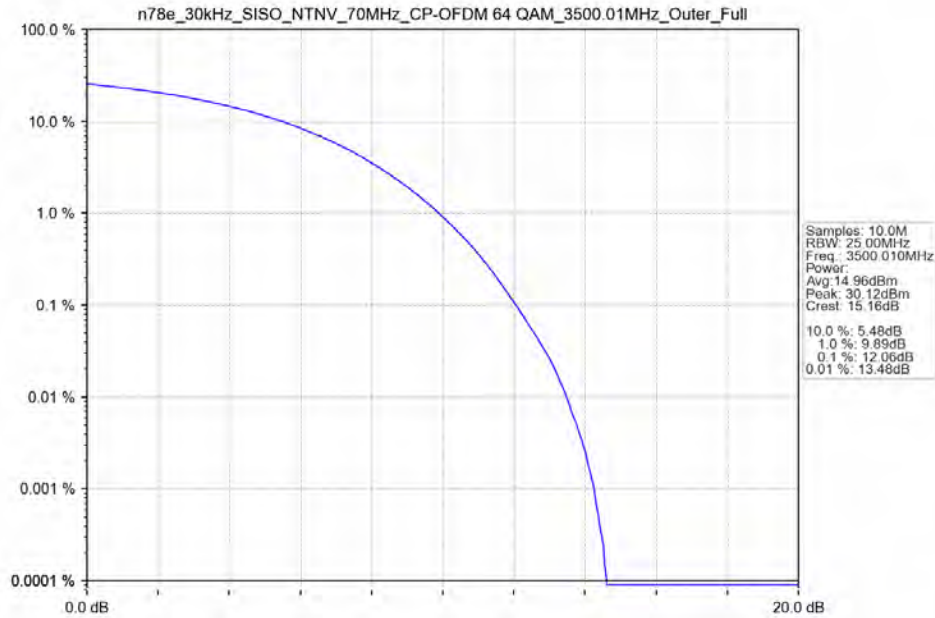
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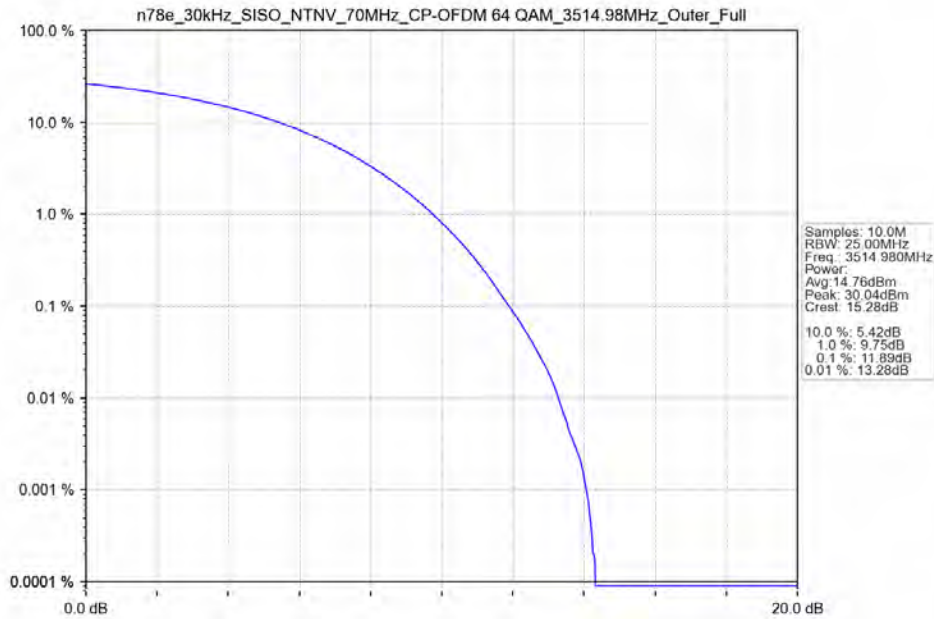


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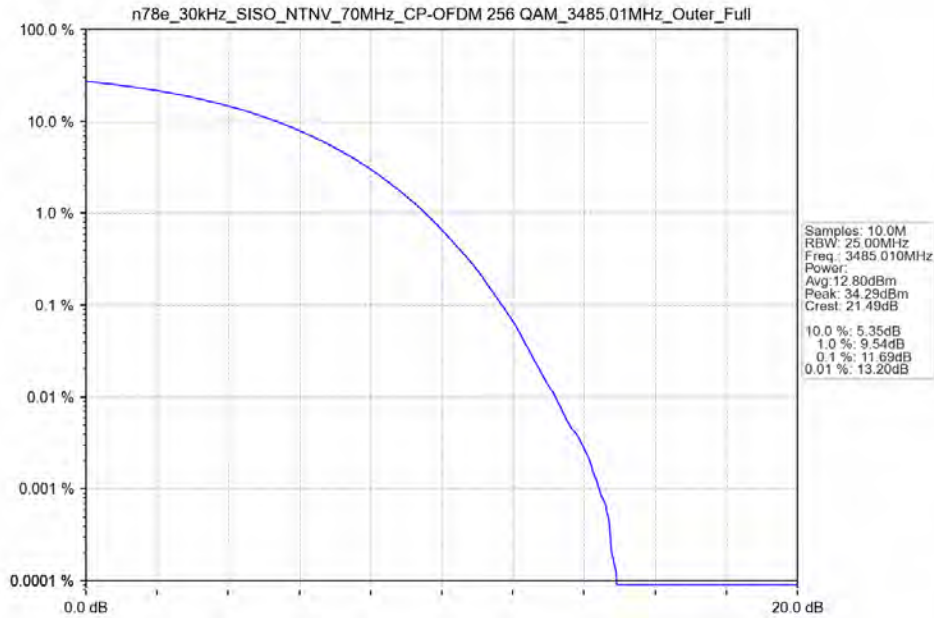
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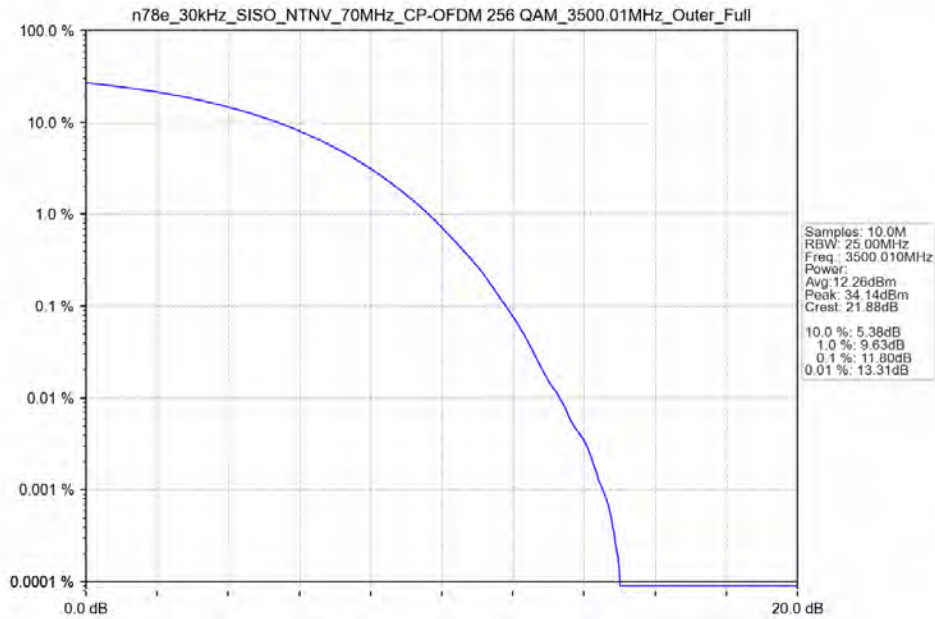


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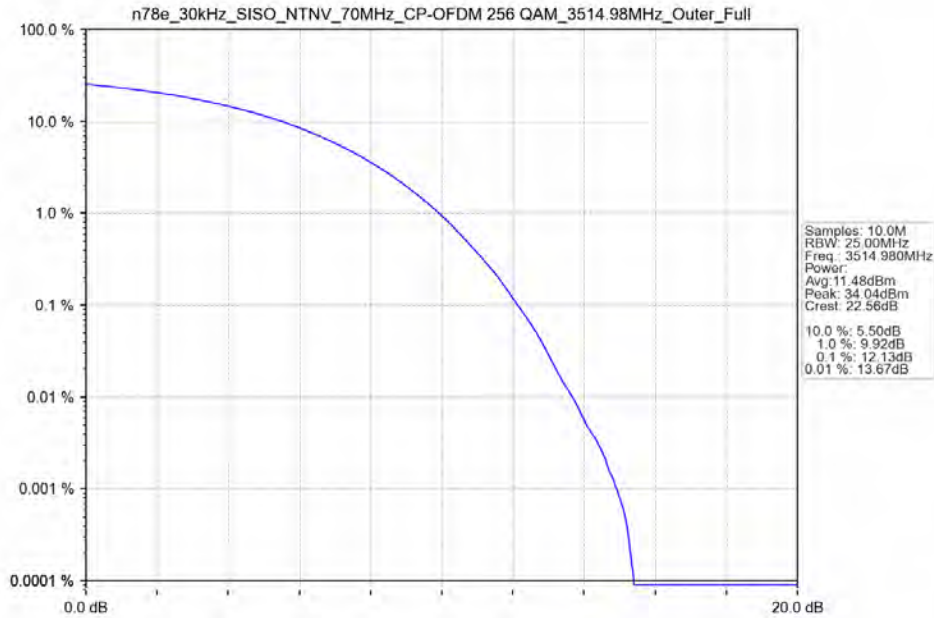
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4.7 30k_SISO_80MHz_NTNV

4.7.1 Test Result

5G NR n78e SCS=30kHz SISO 80MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3490.02	Outer Full	11.49	/	/	<=13	Pass
	3500.01	Outer Full	10.18	/	/	<=13	Pass
	3510	Outer Full	10.39	/	/	<=13	Pass
DFT-s-OFDM QPSK	3490.02	Outer Full	10.64	/	/	<=13	Pass
	3500.01	Outer Full	10.63	/	/	<=13	Pass
	3510	Outer Full	11.28	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3490.02	Outer Full	10.77	/	/	<=13	Pass
	3500.01	Outer Full	10.89	/	/	<=13	Pass
	3510	Outer Full	12.48	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3490.02	Outer Full	11.25	/	/	<=13	Pass
	3500.01	Outer Full	11.20	/	/	<=13	Pass
	3510	Outer Full	12.20	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3490.02	Outer Full	10.74	/	/	<=13	Pass
	3500.01	Outer Full	11.73	/	/	<=13	Pass
	3510	Outer Full	11.18	/	/	<=13	Pass
CP-OFDM QPSK	3490.02	Outer Full	12.04	/	/	<=13	Pass
	3500.01	Outer Full	11.33	/	/	<=13	Pass
	3510	Outer Full	12.06	/	/	<=13	Pass
CP-OFDM 16 QAM	3490.02	Outer Full	11.44	/	/	<=13	Pass
	3500.01	Outer Full	11.59	/	/	<=13	Pass
	3510	Outer Full	11.76	/	/	<=13	Pass
CP-OFDM 64 QAM	3490.02	Outer Full	11.61	/	/	<=13	Pass
	3500.01	Outer Full	11.74	/	/	<=13	Pass
	3510	Outer Full	11.90	/	/	<=13	Pass
CP-OFDM 256 QAM	3490.02	Outer Full	11.74	/	/	<=13	Pass
	3500.01	Outer Full	11.85	/	/	<=13	Pass
	3510	Outer Full	11.56	/	/	<=13	Pass



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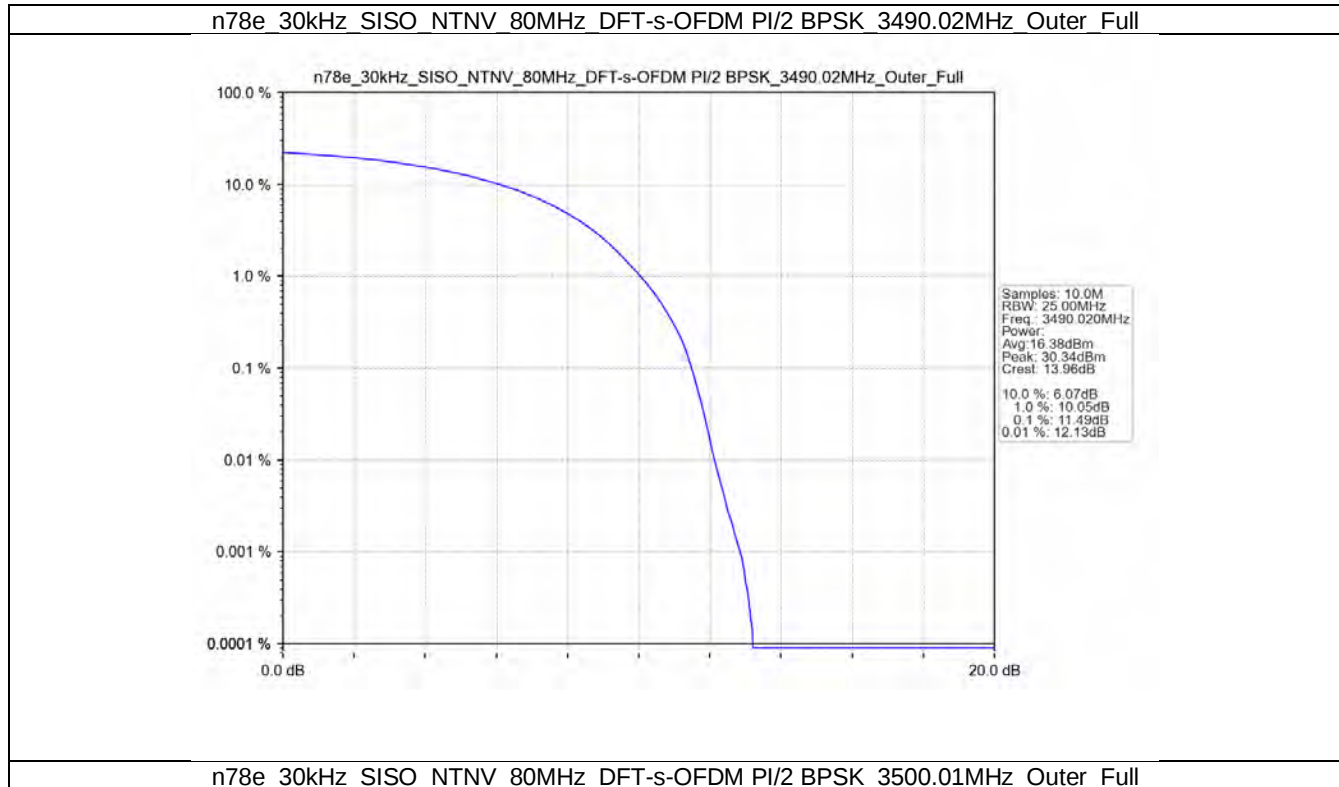
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4.7.2 Test Graph



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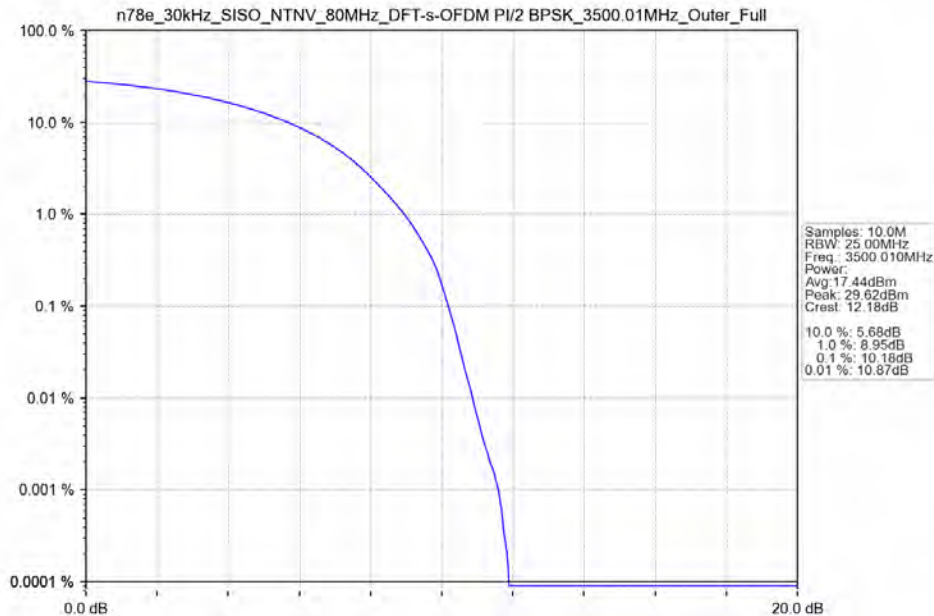


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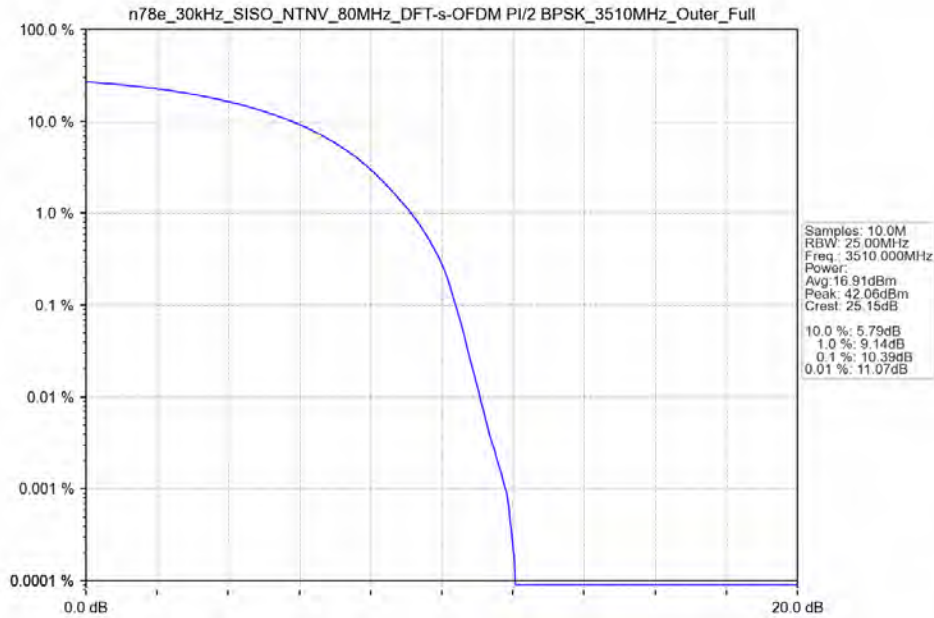
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n78e_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3510MHz_Outer_Full



n78e_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_3490.02MHz_Outer_Full



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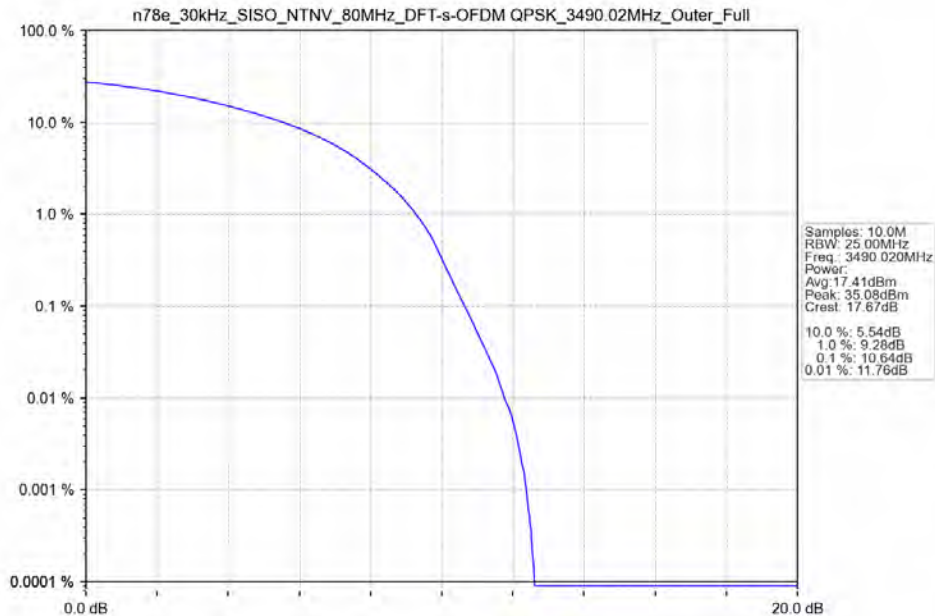


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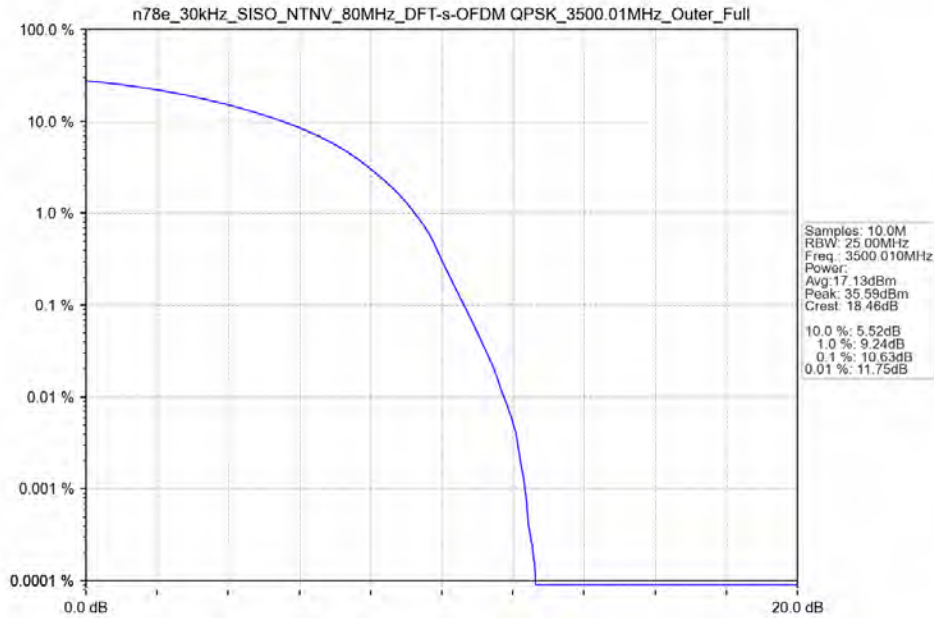
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n78e_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full



n78e_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_QPSK_3510MHz_Outer_Full



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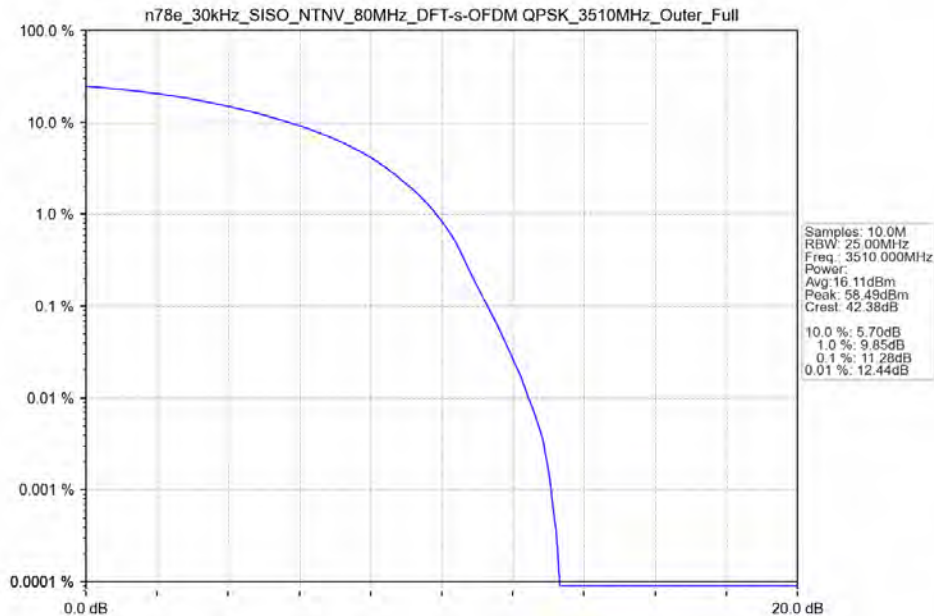


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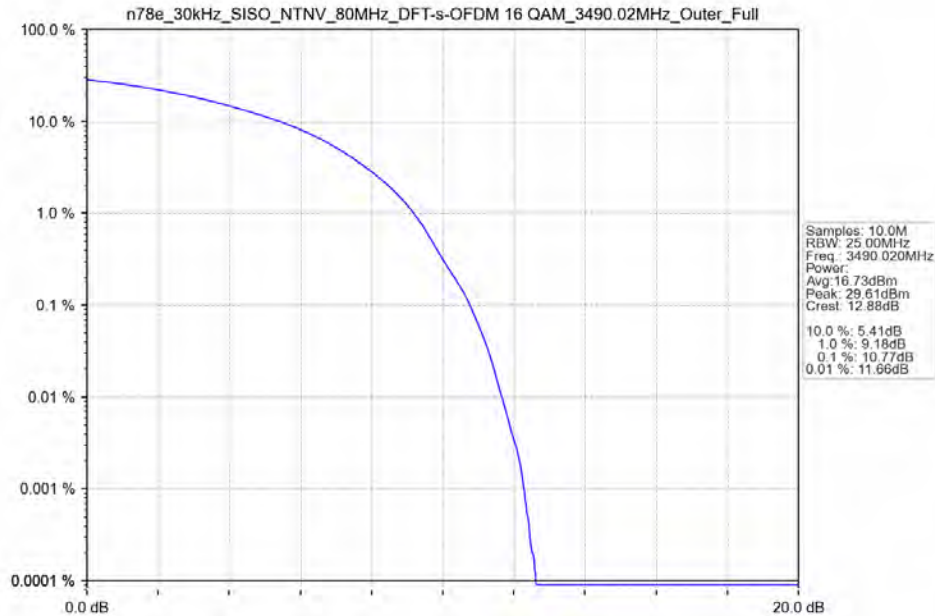
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n78e_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_16_QAM_3490.02MHz_Outer_Full



n78e_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full



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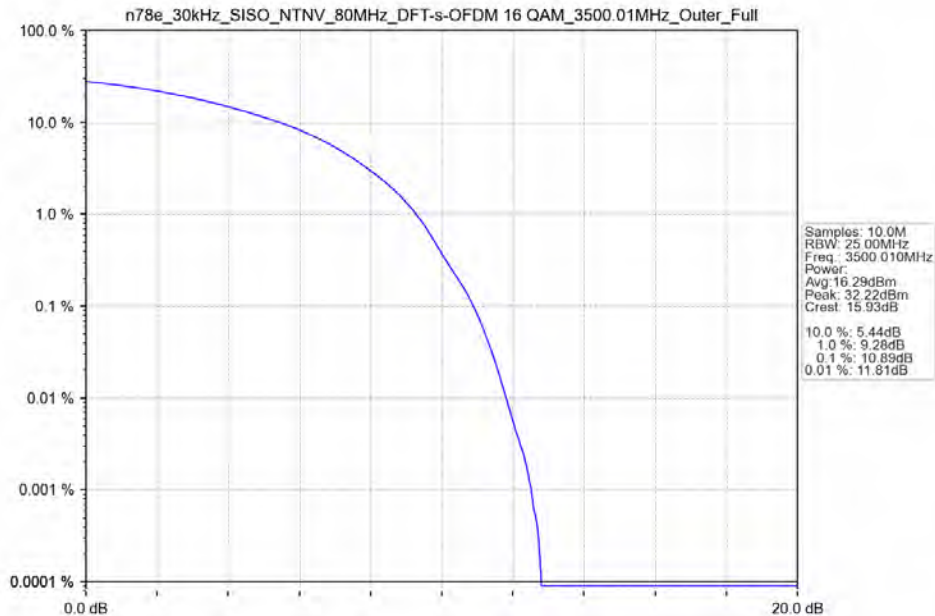


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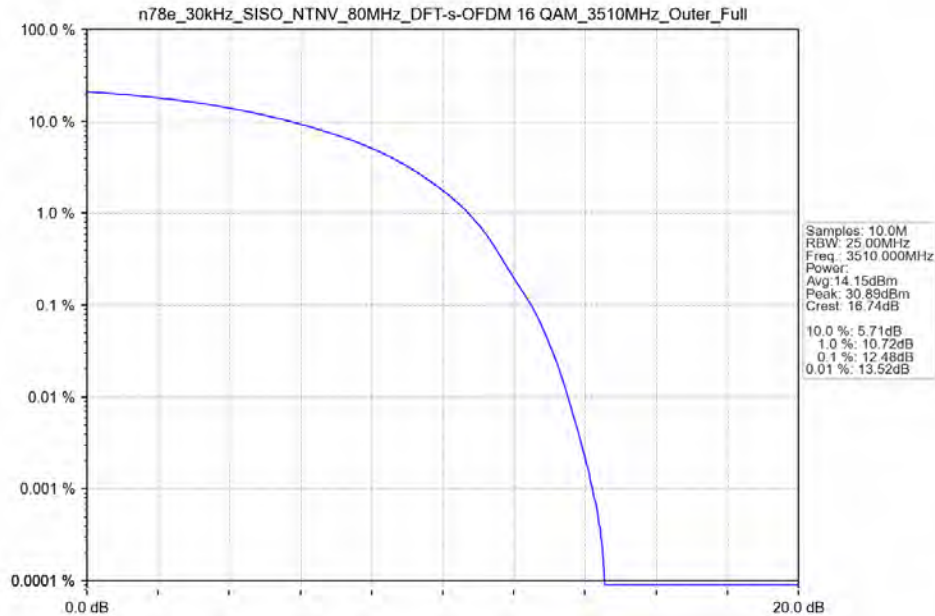
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n78e_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 16 QAM_3510MHz_Outer_Full



n78e_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 64 QAM_3490.02MHz_Outer_Full



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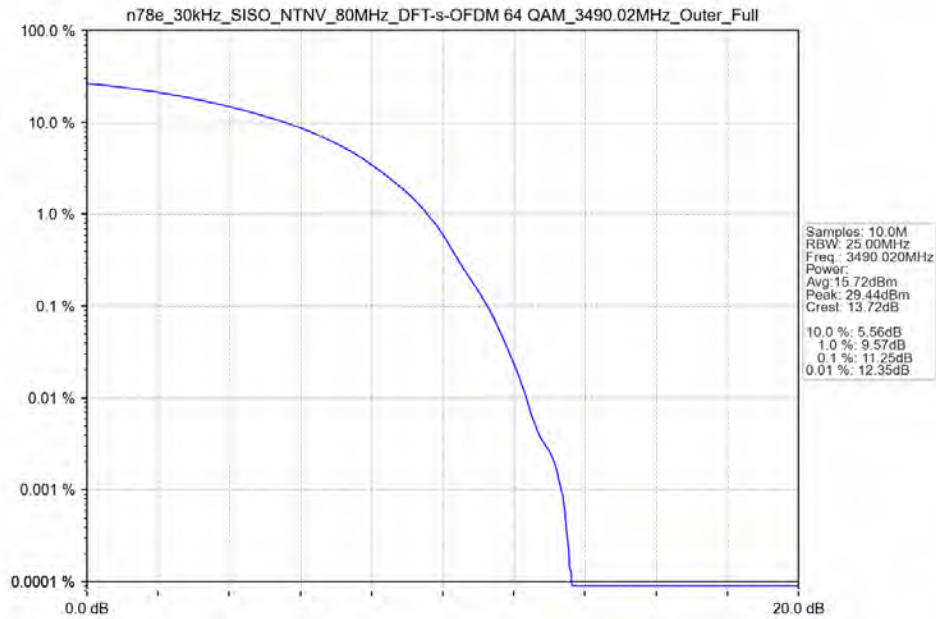


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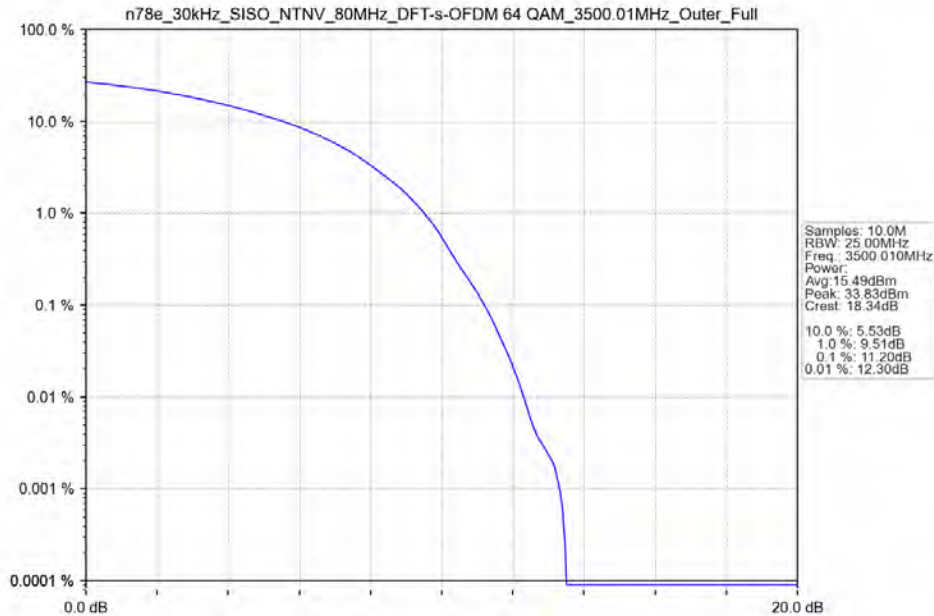
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n78e_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 64 QAM_3500.01MHz_Outer_Full



n78e_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM 64 QAM_3510MHz_Outer_Full



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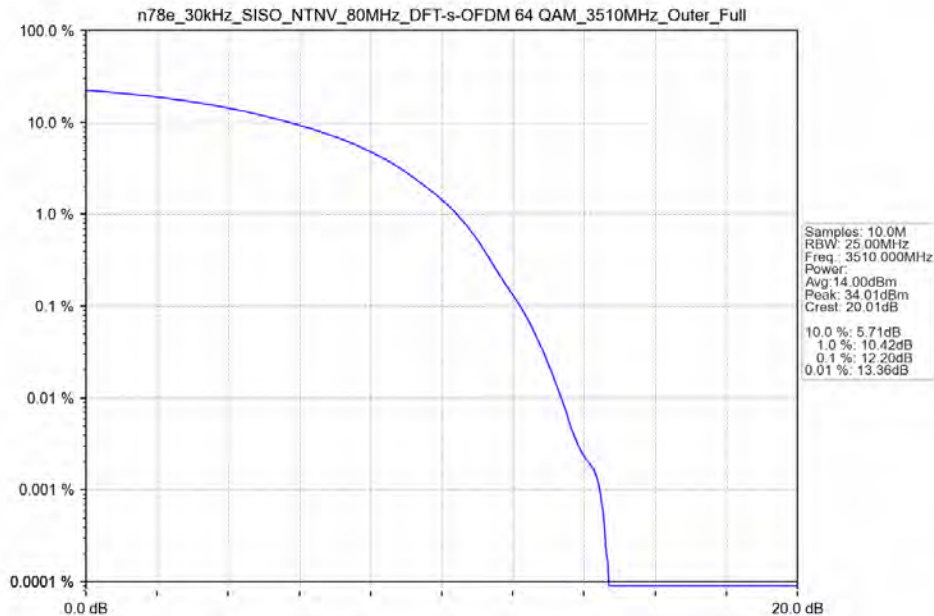


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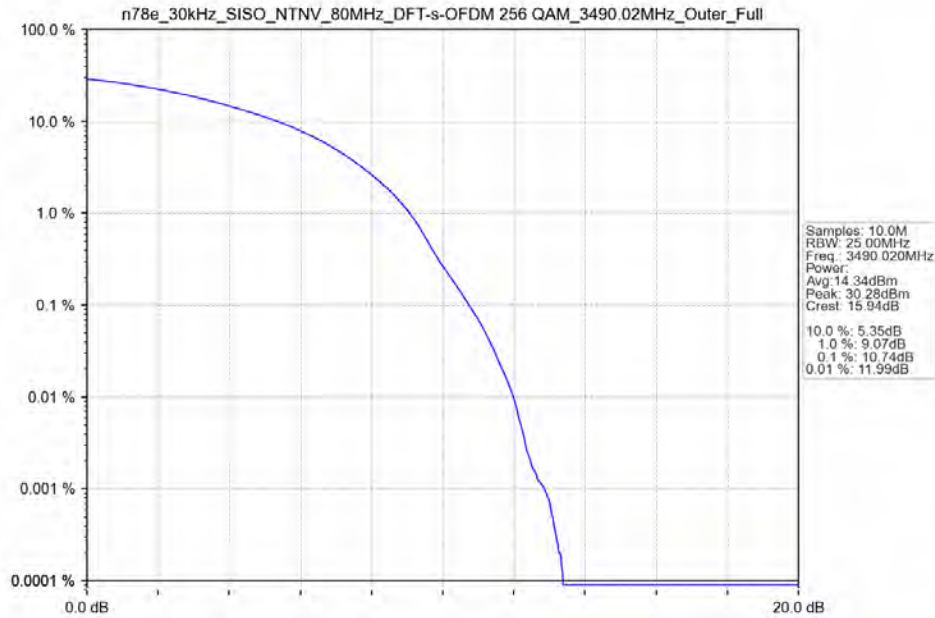
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n78e_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_256_QAM_3490.02MHz_Outer_Full



n78e_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full



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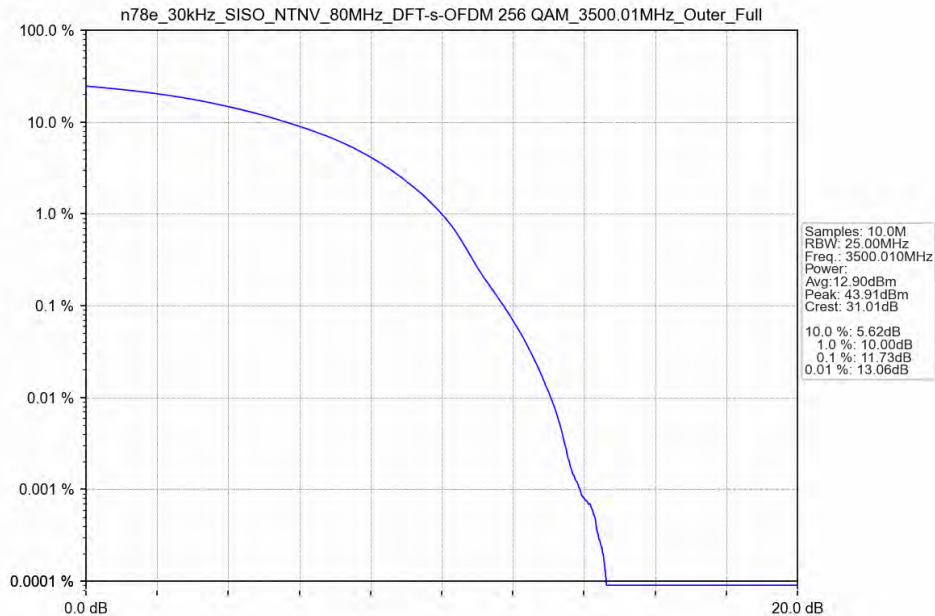


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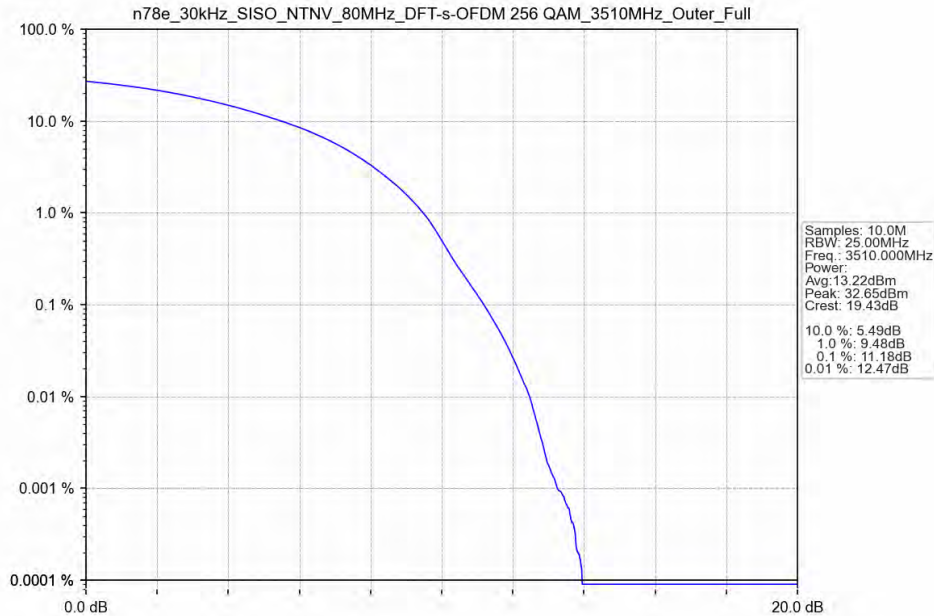
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n78e_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_256_QAM_3510MHz_Outer_Full



n78e_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3490.02MHz_Outer_Full



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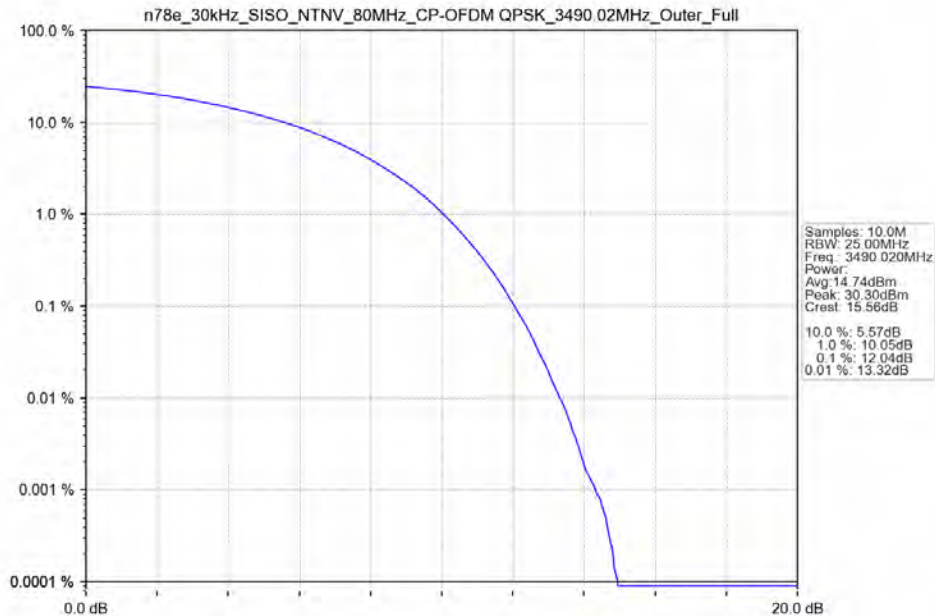


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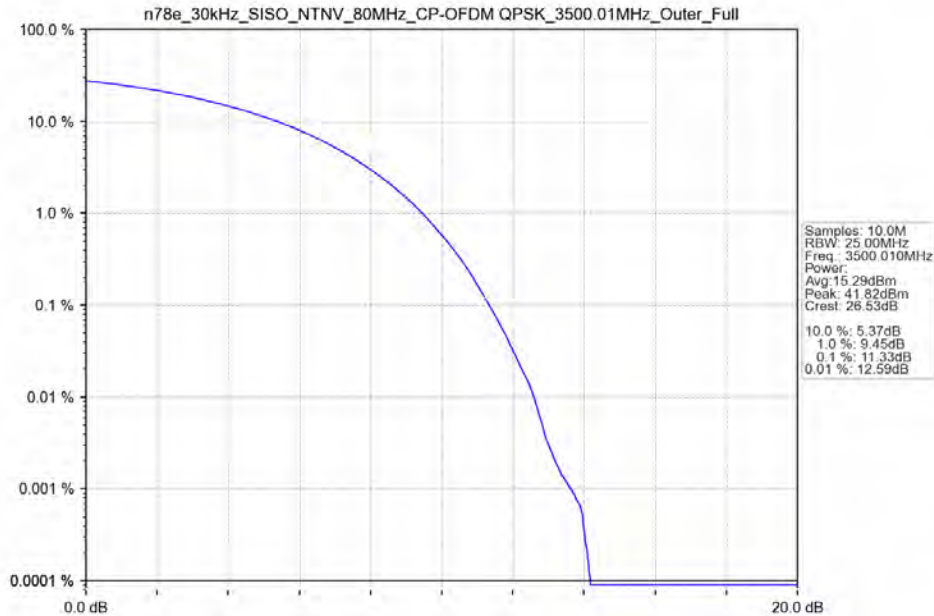
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n78e_30kHz_SISO_NTNV_80MHz_CP-OFDM QPSK_3500.01MHz_Outer_Full



n78e_30kHz_SISO_NTNV_80MHz_CP-OFDM QPSK_3510MHz_Outer_Full



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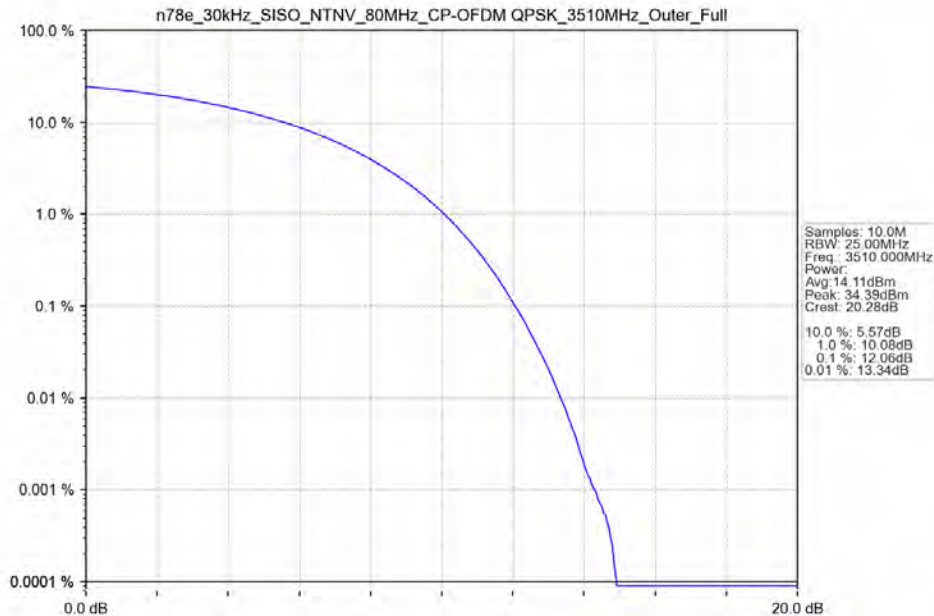


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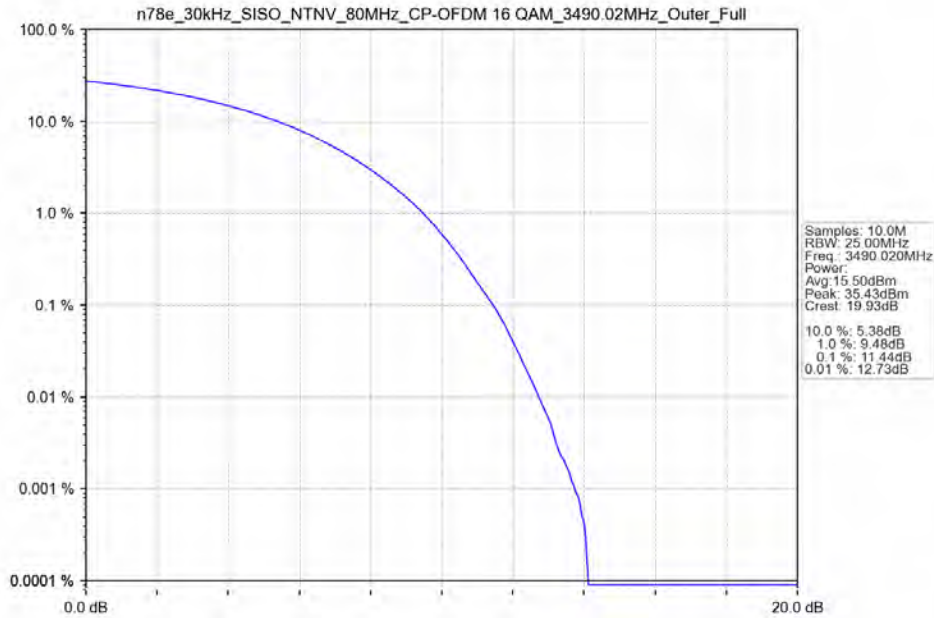
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n78e_30kHz_SISO_NTNV_80MHz_CP-OFDM 16 QAM_3490.02MHz_Outer_Full



n78e_30kHz_SISO_NTNV_80MHz_CP-OFDM 16 QAM_3500.01MHz_Outer_Full



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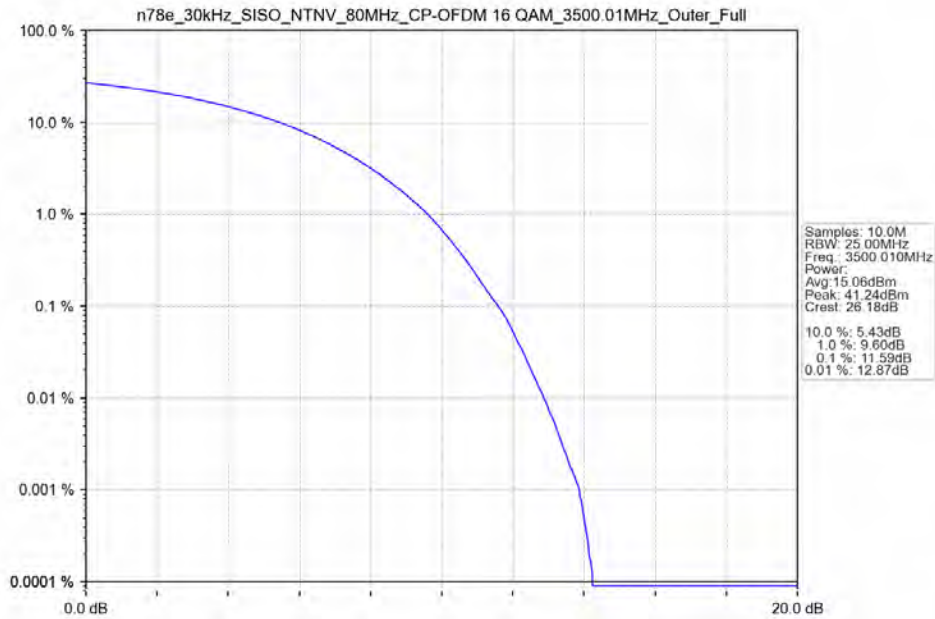


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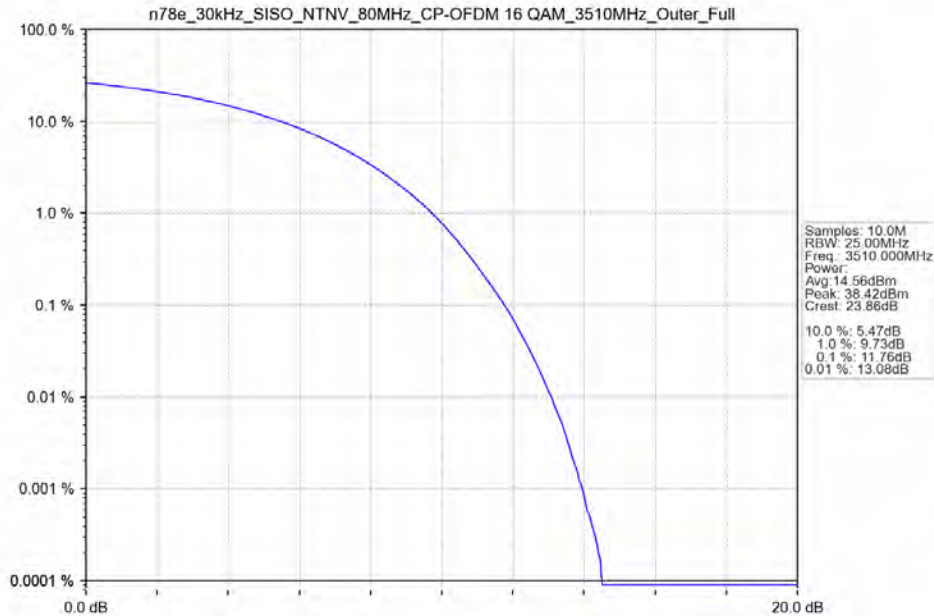
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n78e_30kHz_SISO_NTNV_80MHz_CP-OFDM 16 QAM_3510MHz_Outer_Full



n78e_30kHz_SISO_NTNV_80MHz_CP-OFDM 64 QAM_3490.02MHz_Outer_Full



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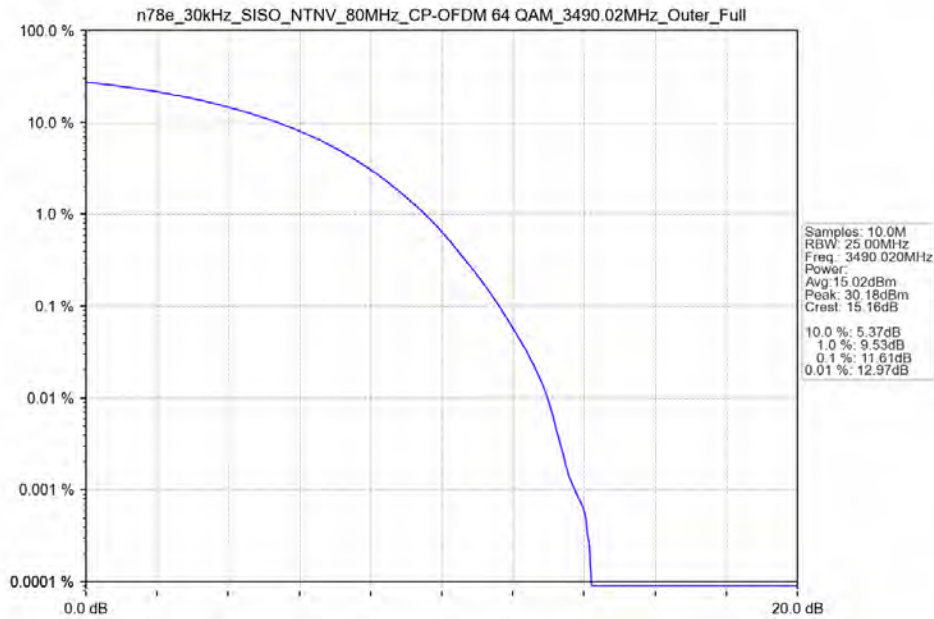


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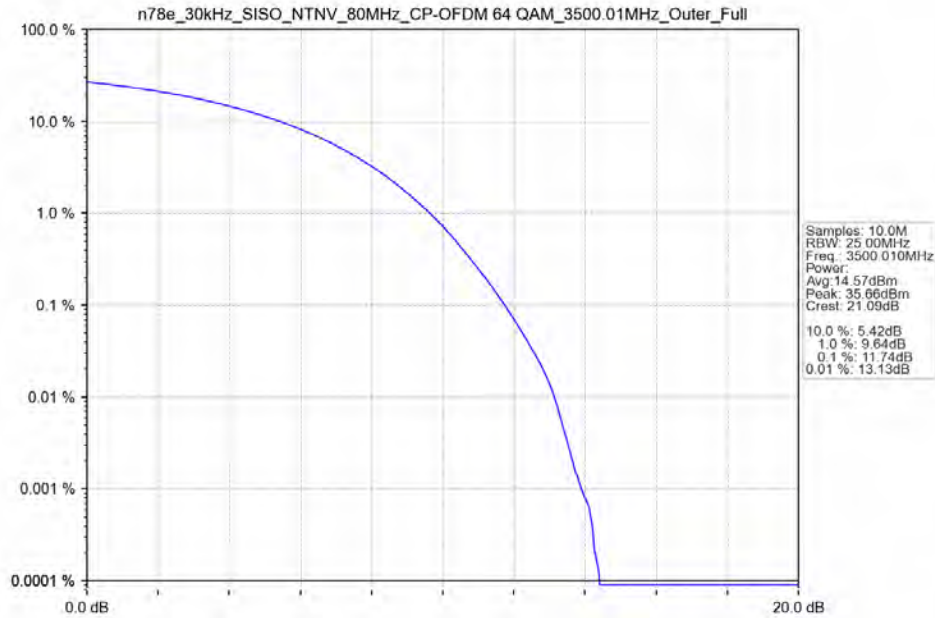
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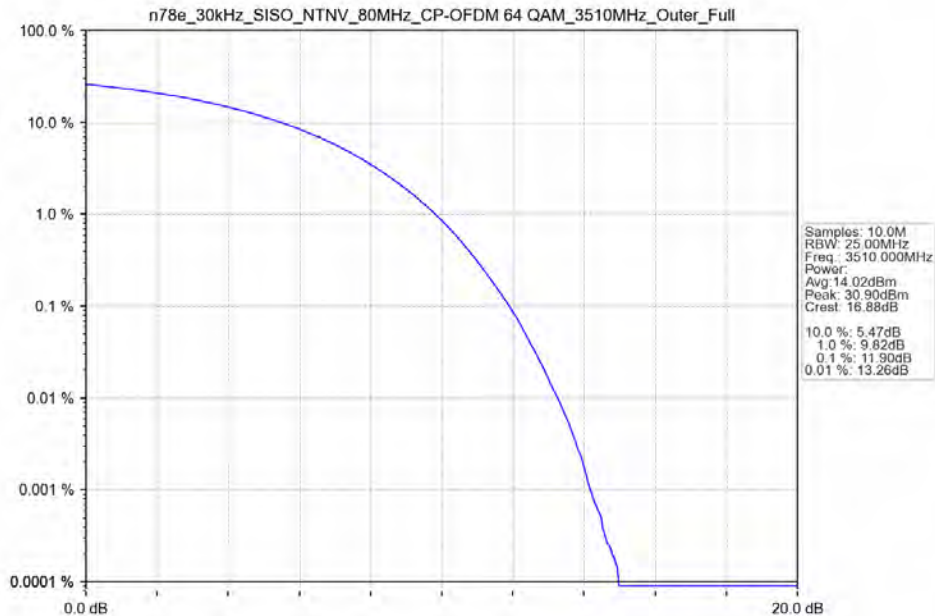


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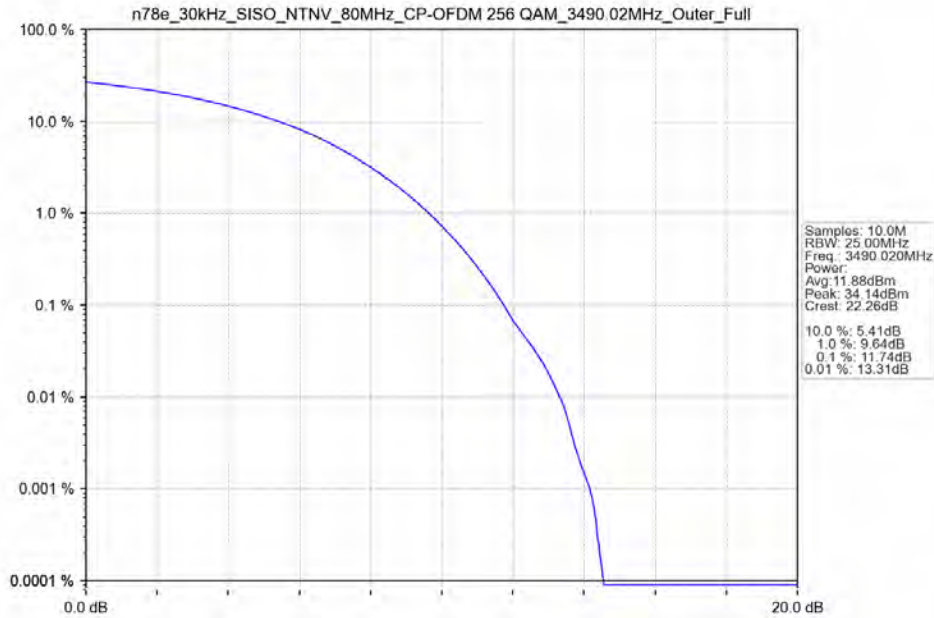
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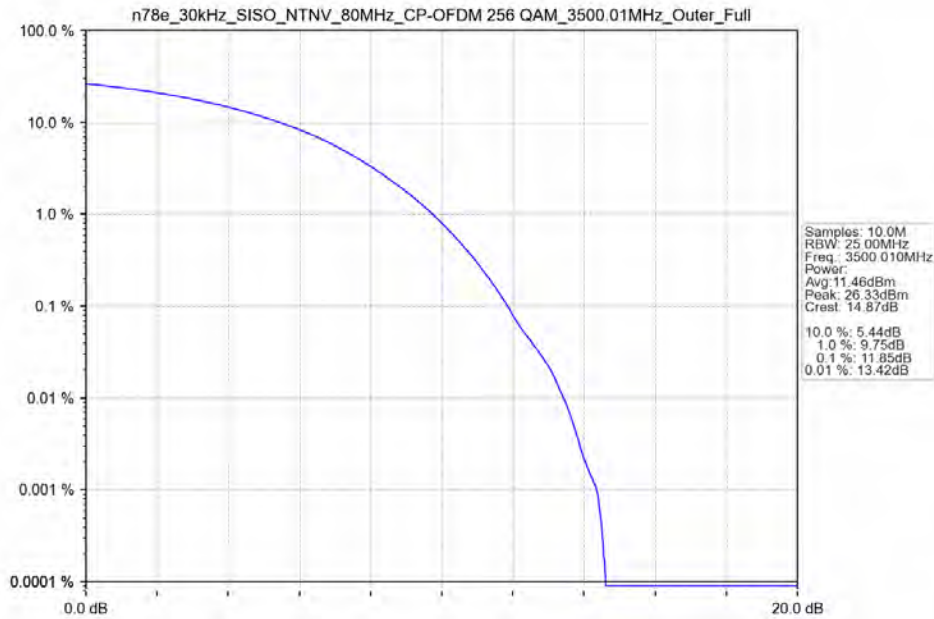


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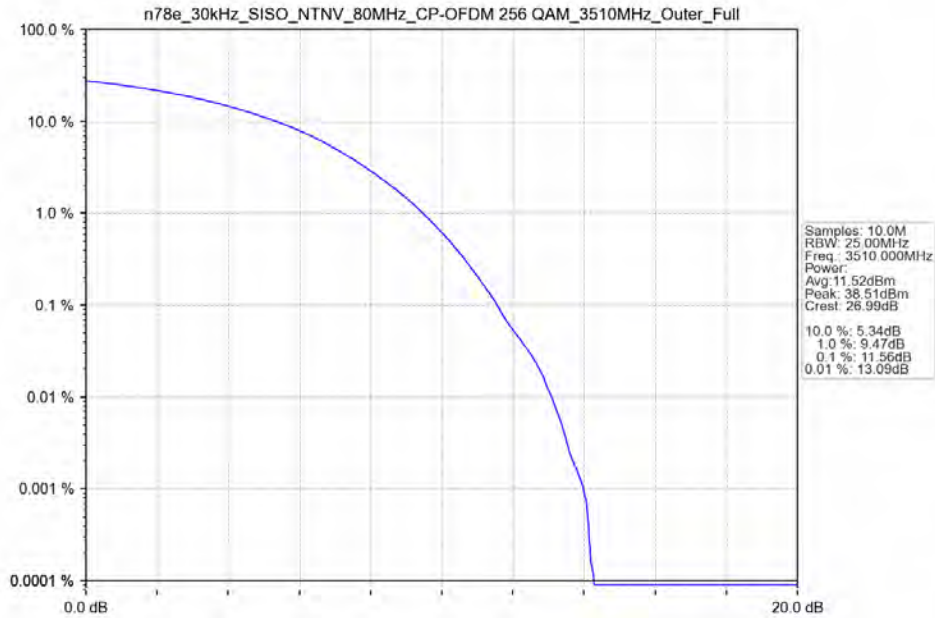
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4.8 30k_SISO_90MHz_NTNV

4.8.1 Test Result

5G NR n78e SCS=30kHz SISO 90MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3495	Outer_Full	10.26	/	/	<=13	Pass
	3500.01	Outer_Full	11.12	/	/	<=13	Pass
	3504.99	Outer_Full	10.06	/	/	<=13	Pass
DFT-s-OFDM QPSK	3495	Outer_Full	10.29	/	/	<=13	Pass
	3500.01	Outer_Full	10.31	/	/	<=13	Pass
	3504.99	Outer_Full	10.76	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3495	Outer_Full	11.31	/	/	<=13	Pass
	3500.01	Outer_Full	11.20	/	/	<=13	Pass
	3504.99	Outer_Full	10.71	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3495	Outer_Full	11.50	/	/	<=13	Pass
	3500.01	Outer_Full	11.27	/	/	<=13	Pass
	3504.99	Outer_Full	10.86	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3495	Outer_Full	11.77	/	/	<=13	Pass
	3500.01	Outer_Full	11.58	/	/	<=13	Pass
	3504.99	Outer_Full	11.27	/	/	<=13	Pass
CP-OFDM QPSK	3495	Outer_Full	11.64	/	/	<=13	Pass
	3500.01	Outer_Full	12.59	/	/	<=13	Pass
	3504.99	Outer_Full	11.34	/	/	<=13	Pass
CP-OFDM 16 QAM	3495	Outer_Full	12.16	/	/	<=13	Pass
	3500.01	Outer_Full	12.60	/	/	<=13	Pass
	3504.99	Outer_Full	11.65	/	/	<=13	Pass
CP-OFDM 64 QAM	3495	Outer_Full	11.86	/	/	<=13	Pass
	3500.01	Outer_Full	12.40	/	/	<=13	Pass
	3504.99	Outer_Full	12.10	/	/	<=13	Pass
CP-OFDM 256 QAM	3495	Outer_Full	12.31	/	/	<=13	Pass
	3500.01	Outer_Full	11.73	/	/	<=13	Pass
	3504.99	Outer_Full	11.60	/	/	<=13	Pass



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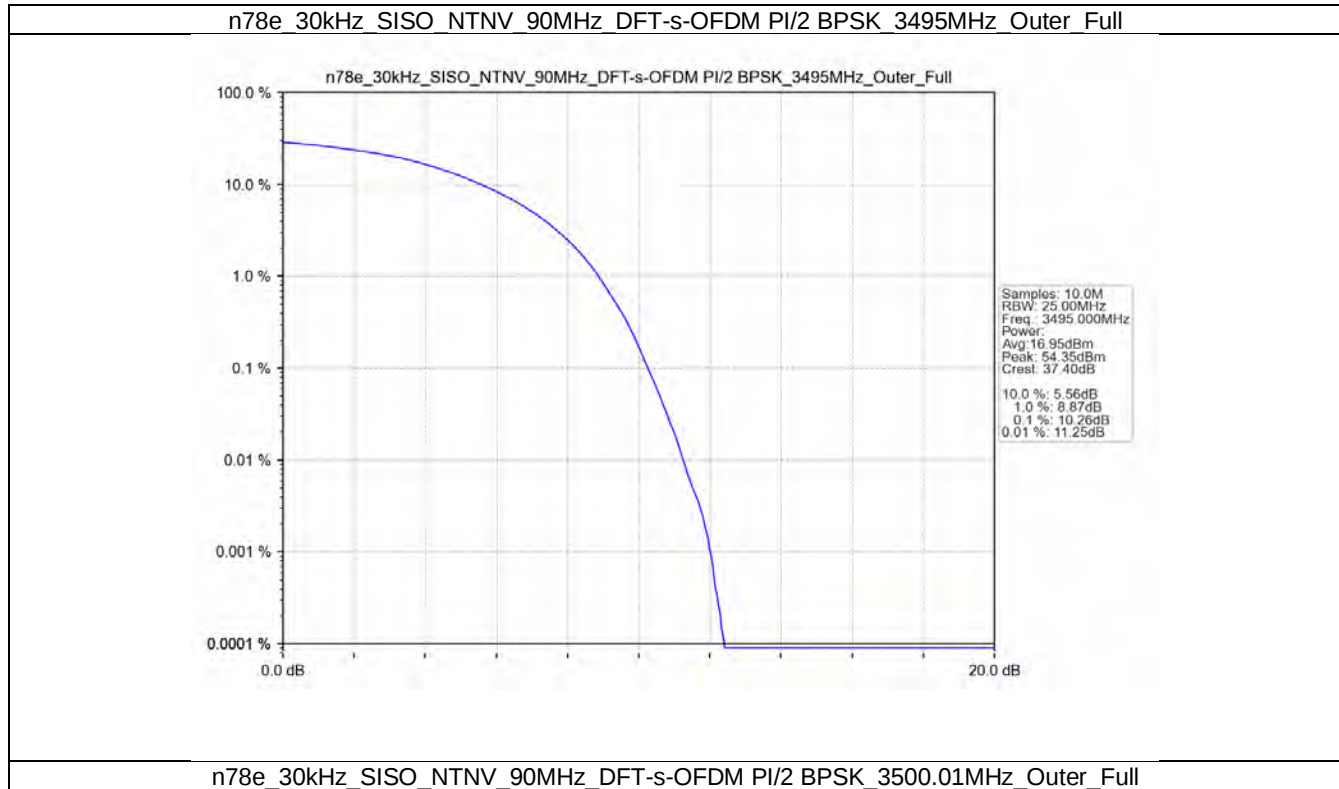
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4.8.2 Test Graph



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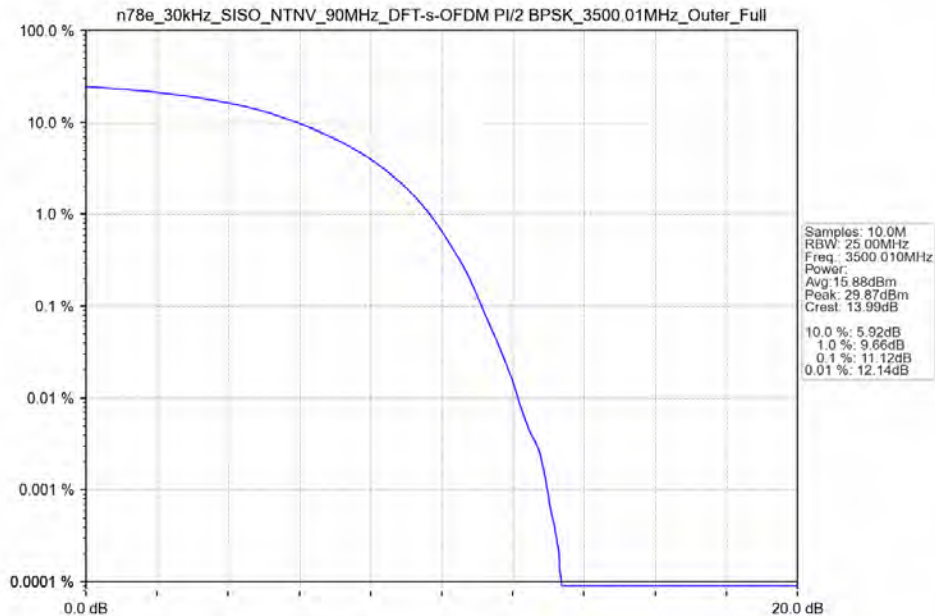


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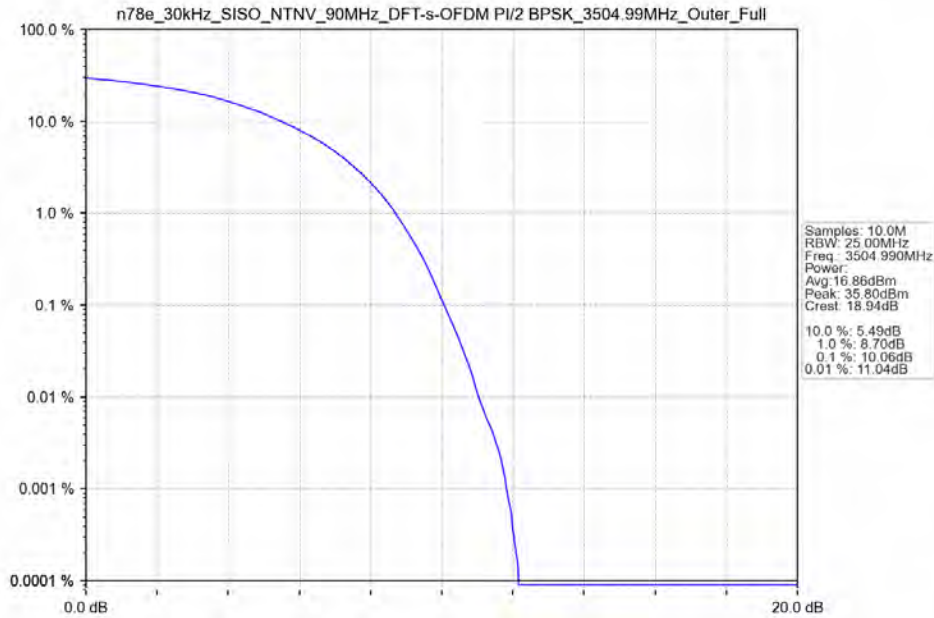
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n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3504.99MHz_Outer_Full



n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3495MHz_Outer_Full



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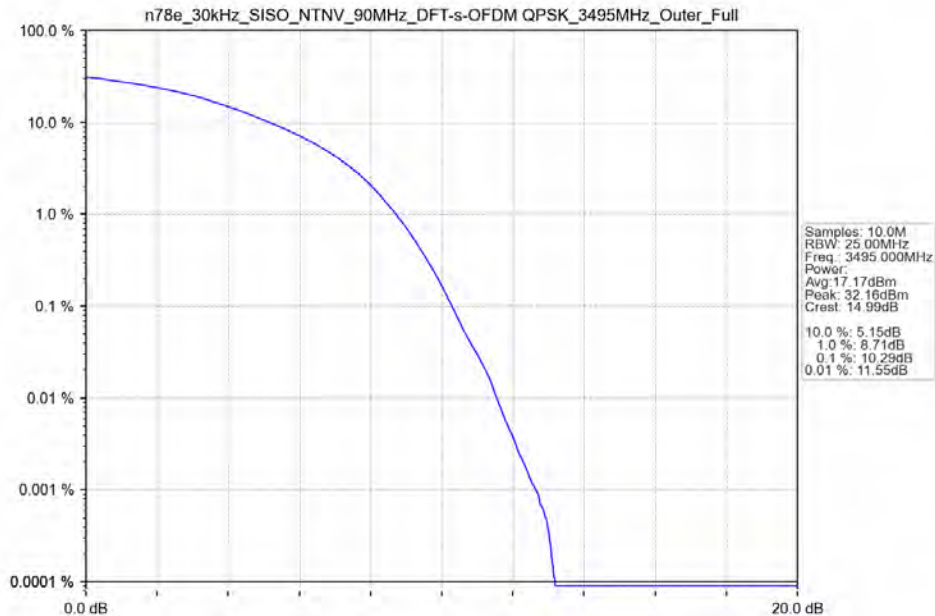


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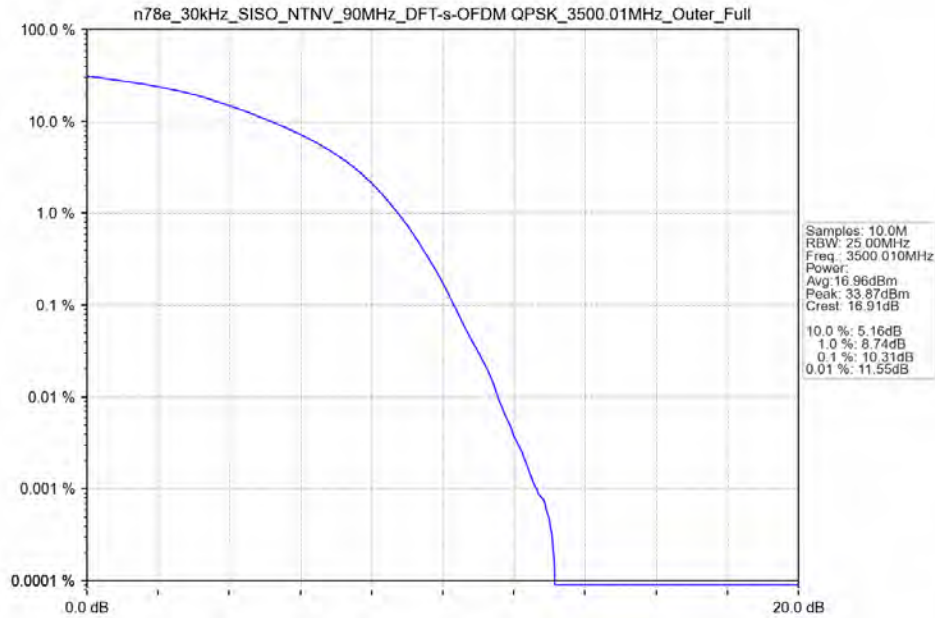
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n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full



n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_QPSK_3504.99MHz_Outer_Full



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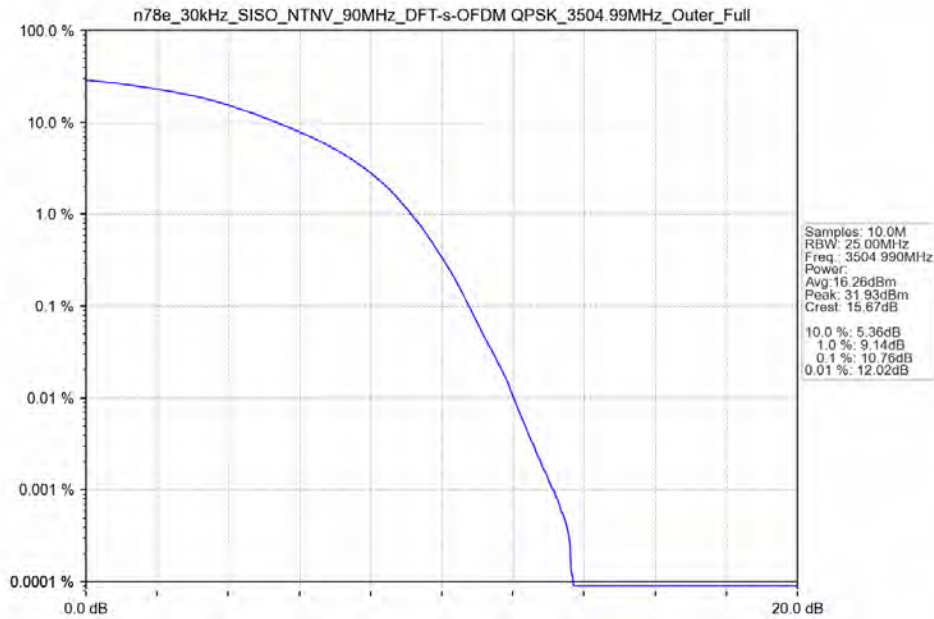


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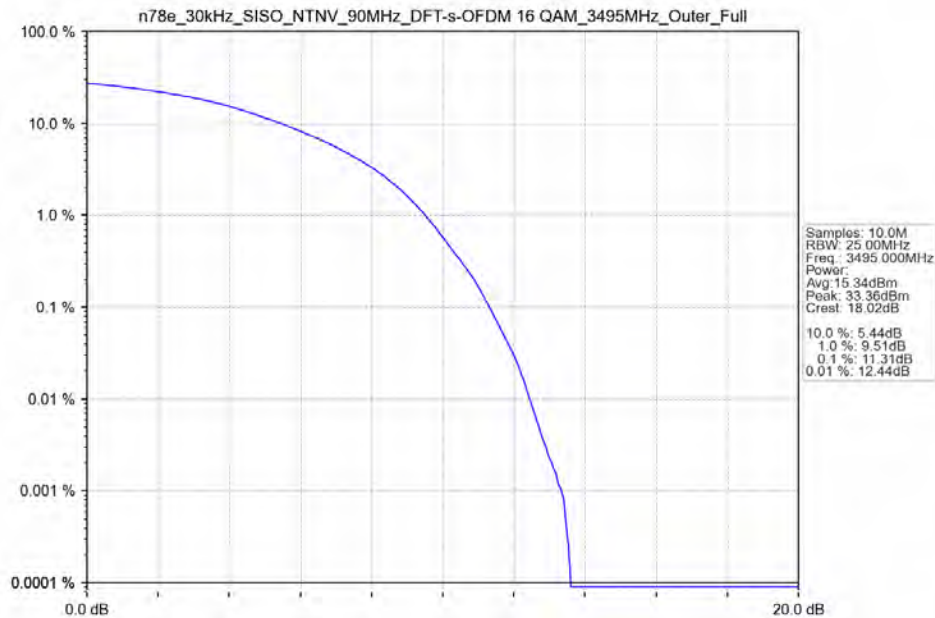
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n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 16 QAM_3495MHz_Outer_Full



n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 16 QAM_3500.01MHz_Outer_Full



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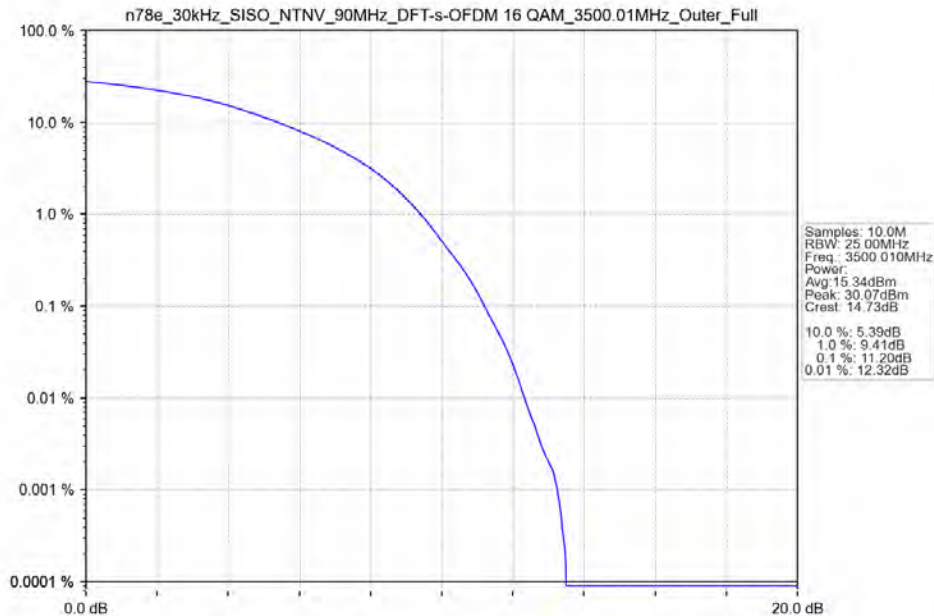


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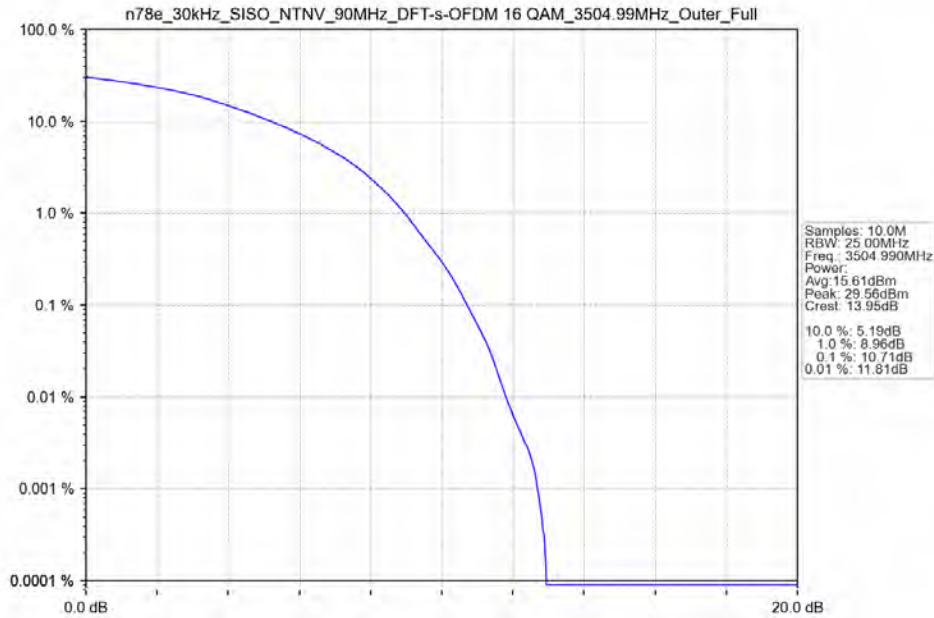
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n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 16 QAM_3504.99MHz_Outer_Full



n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 64 QAM_3495MHz_Outer_Full



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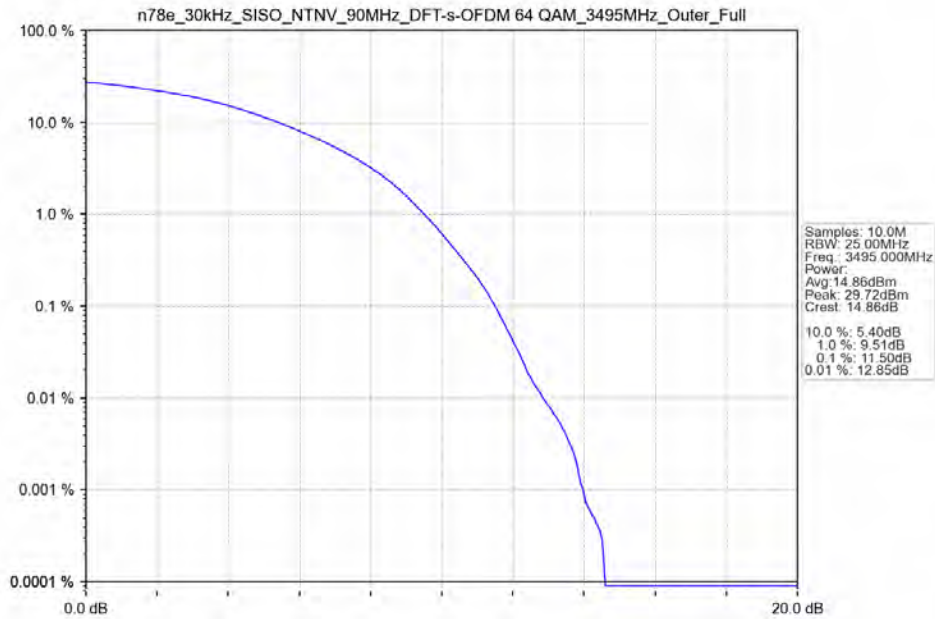


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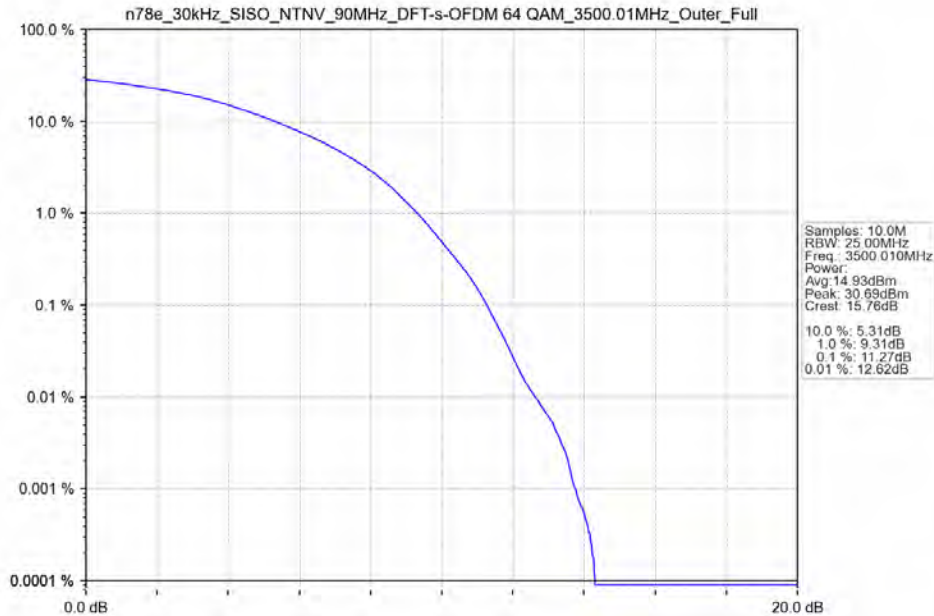
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n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 64 QAM_3500.01MHz_Outer_Full



n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 64 QAM_3504.99MHz_Outer_Full



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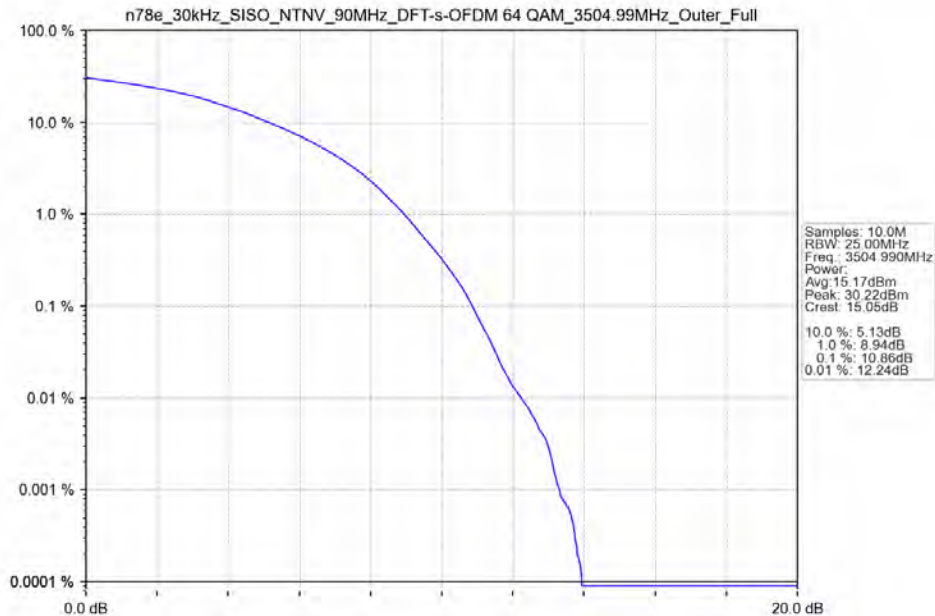


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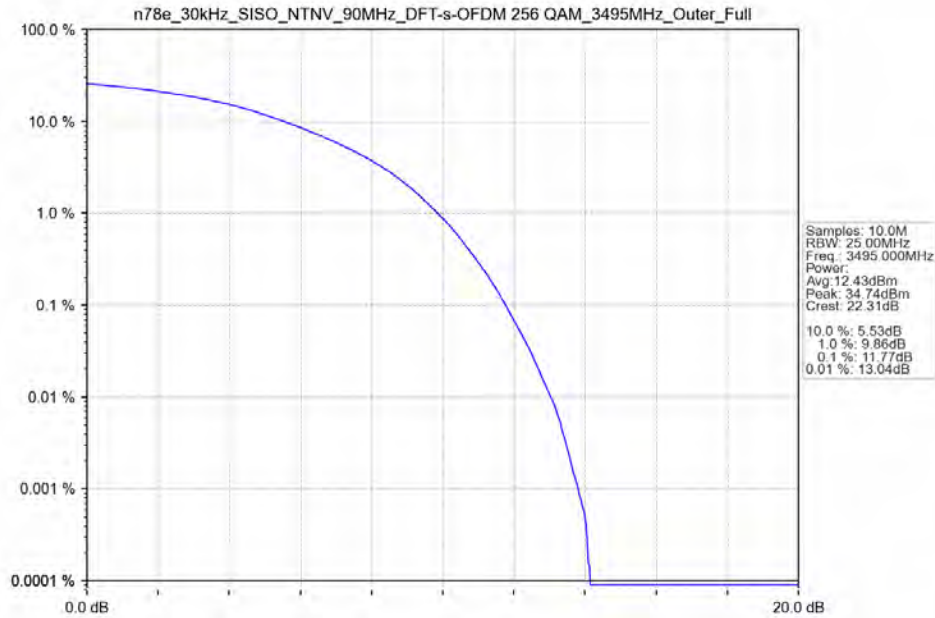
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n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full



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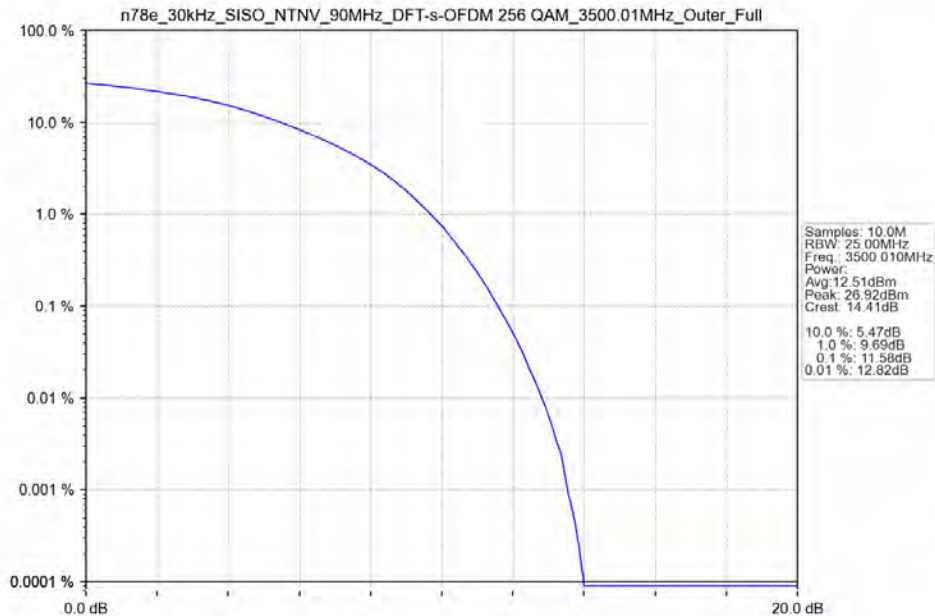


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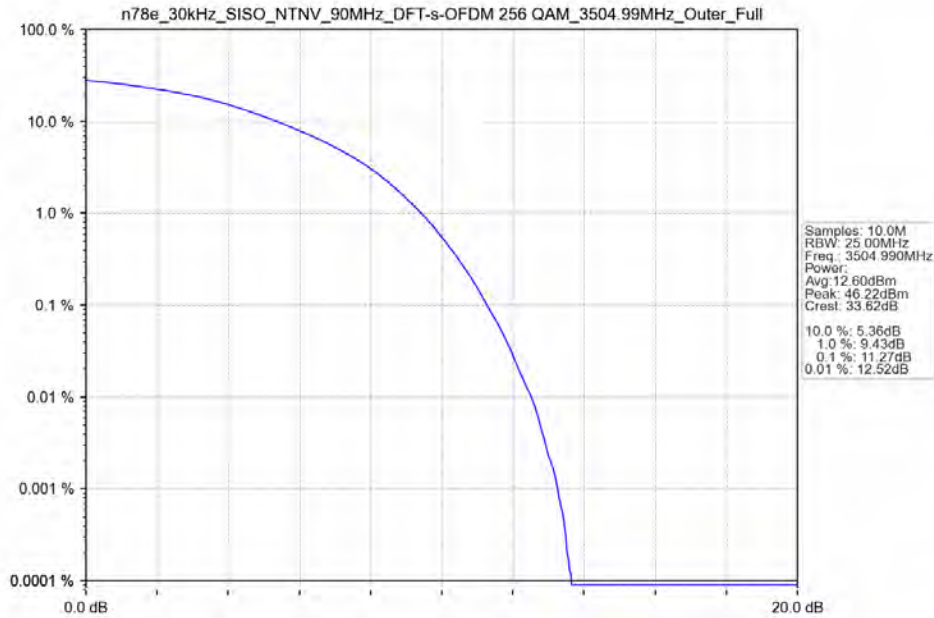
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n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3504.99MHz_Outer_Full



n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_3495MHz_Outer_Full



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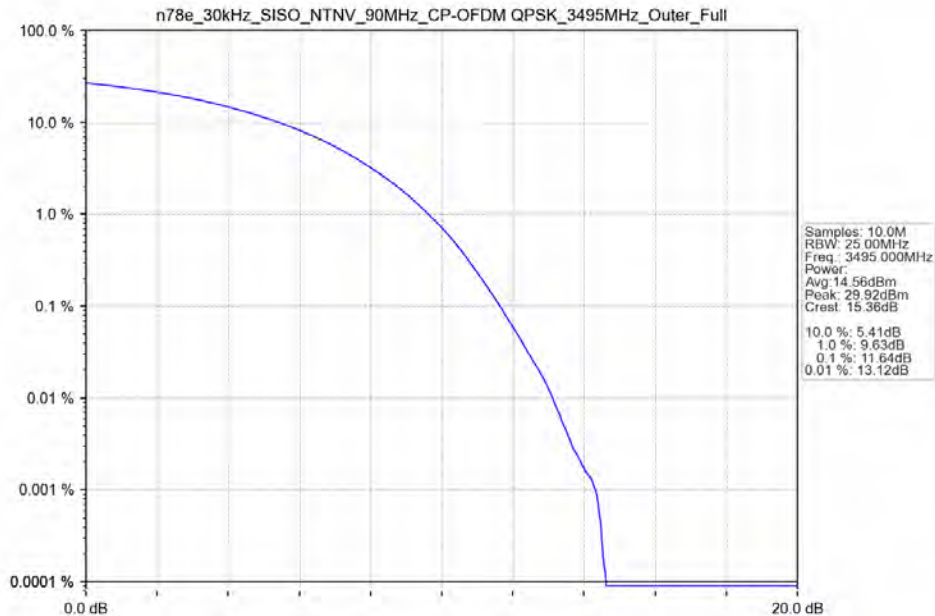


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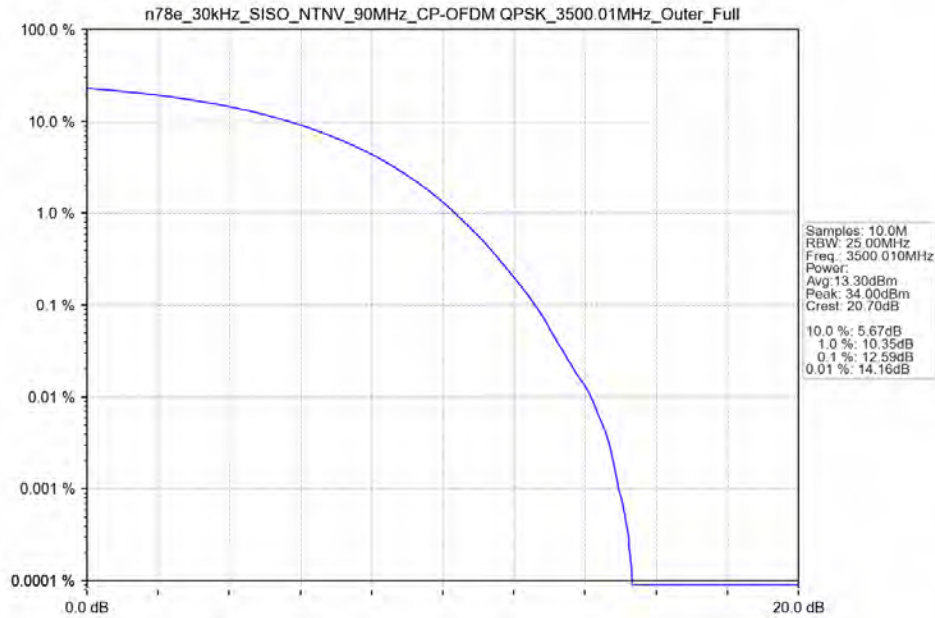
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n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3500.01MHz_Outer_Full



n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_3504.99MHz_Outer_Full



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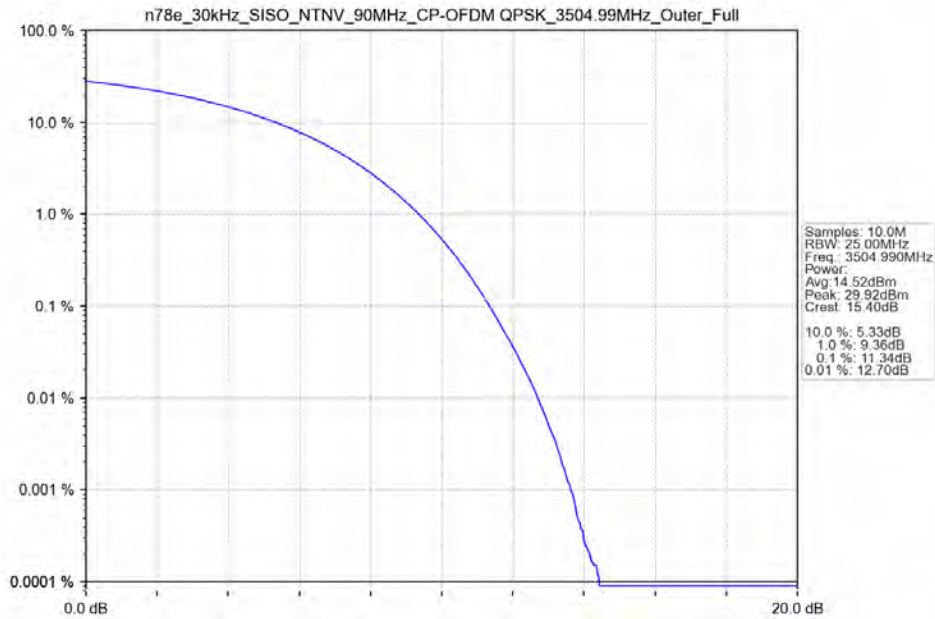


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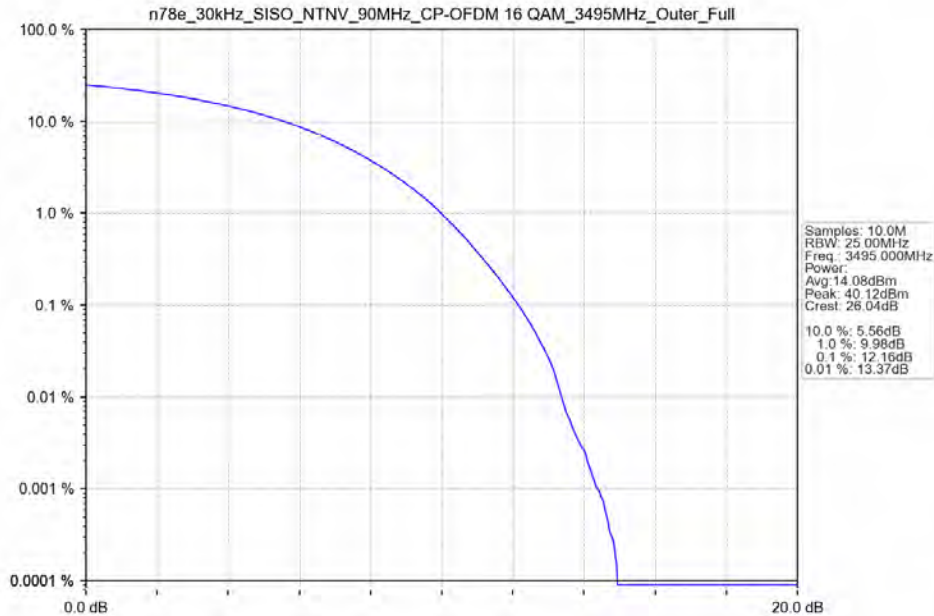
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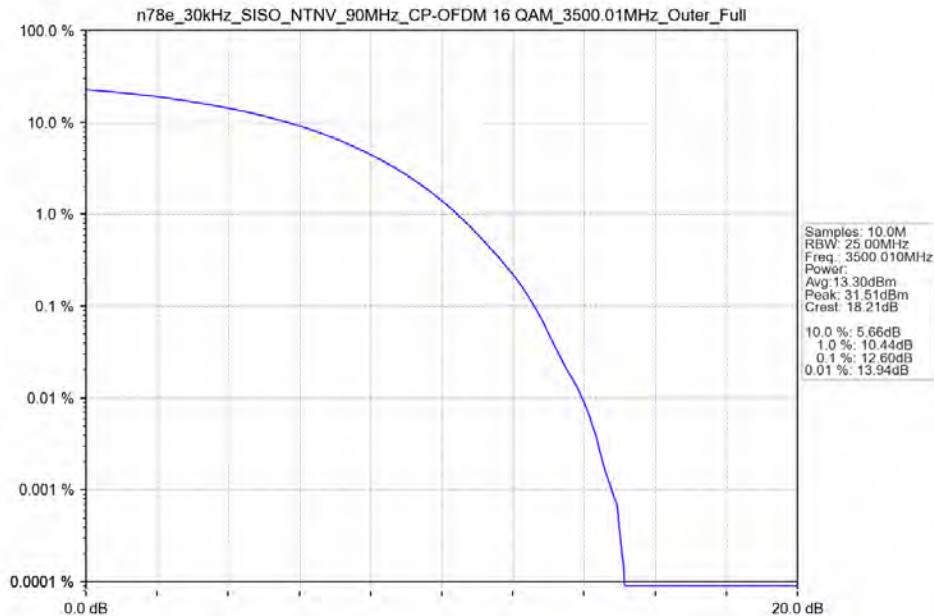


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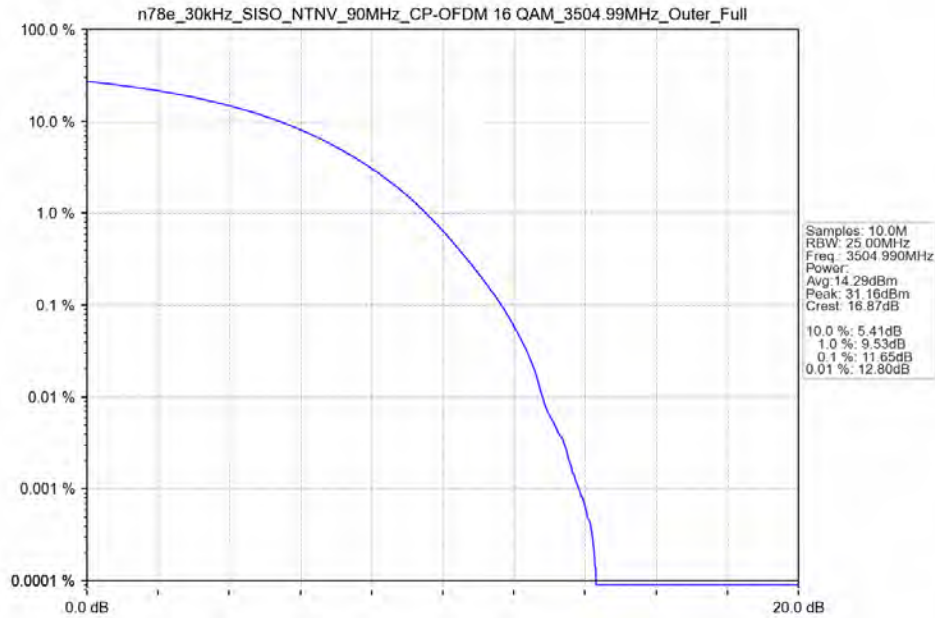
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n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM 64 QAM_3495MHz_Outer_Full



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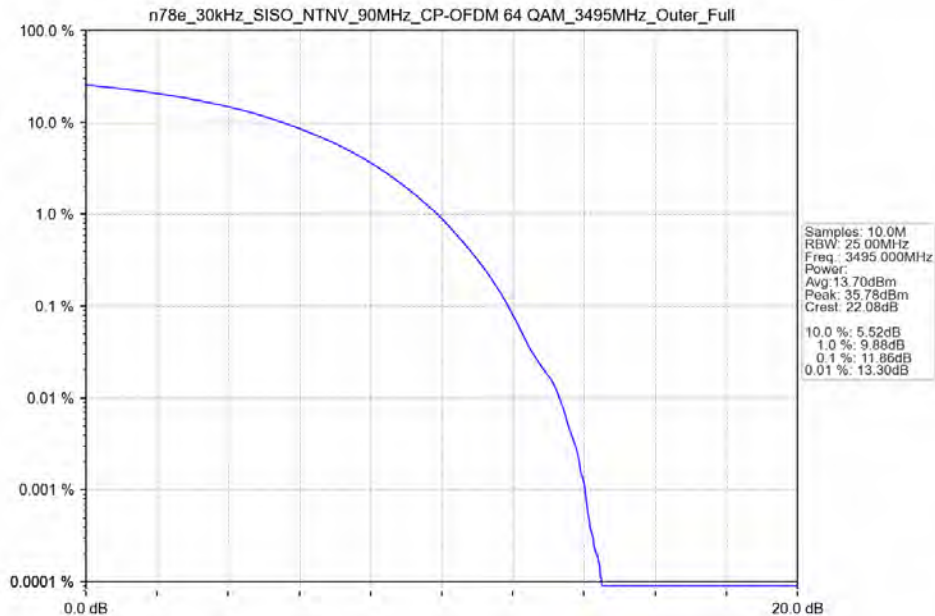


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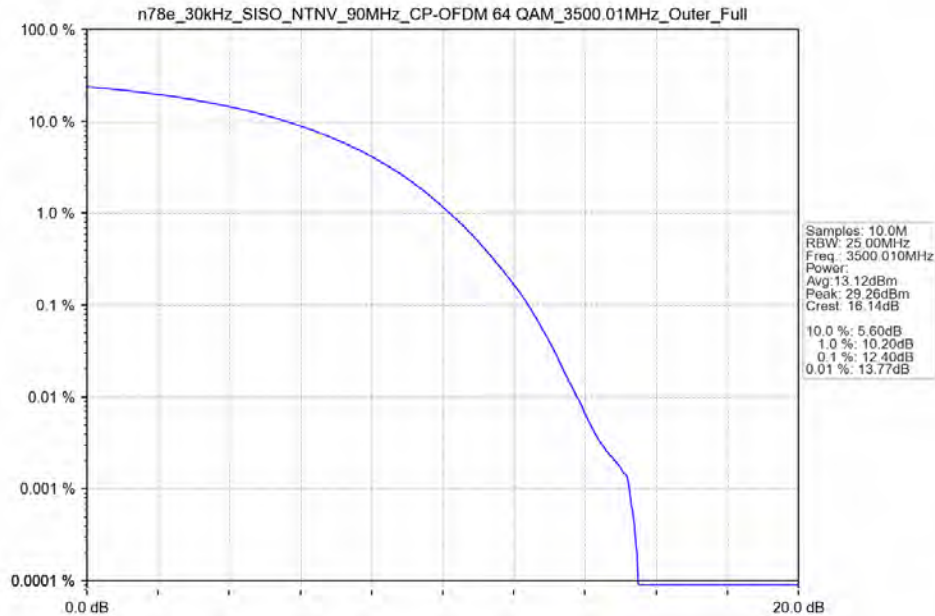
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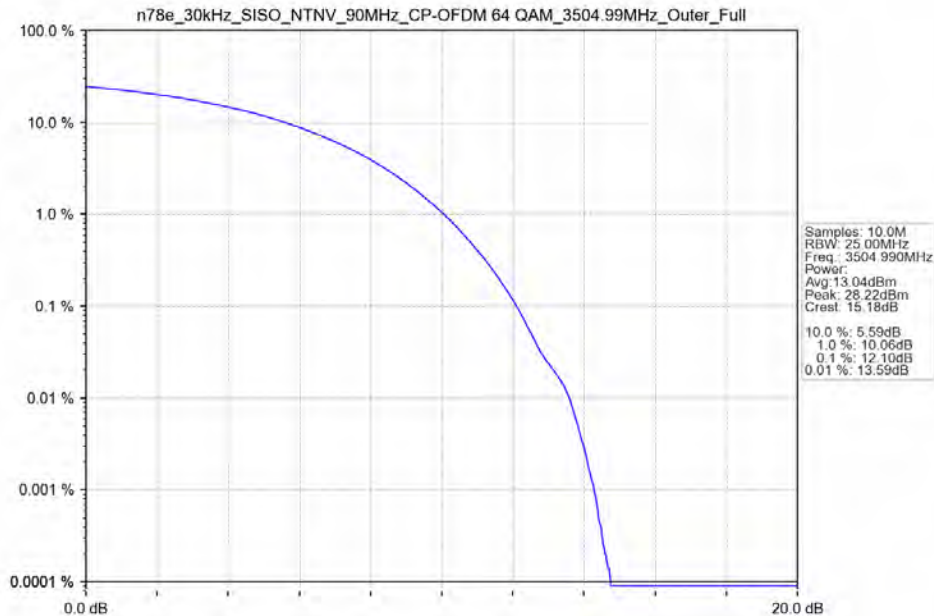


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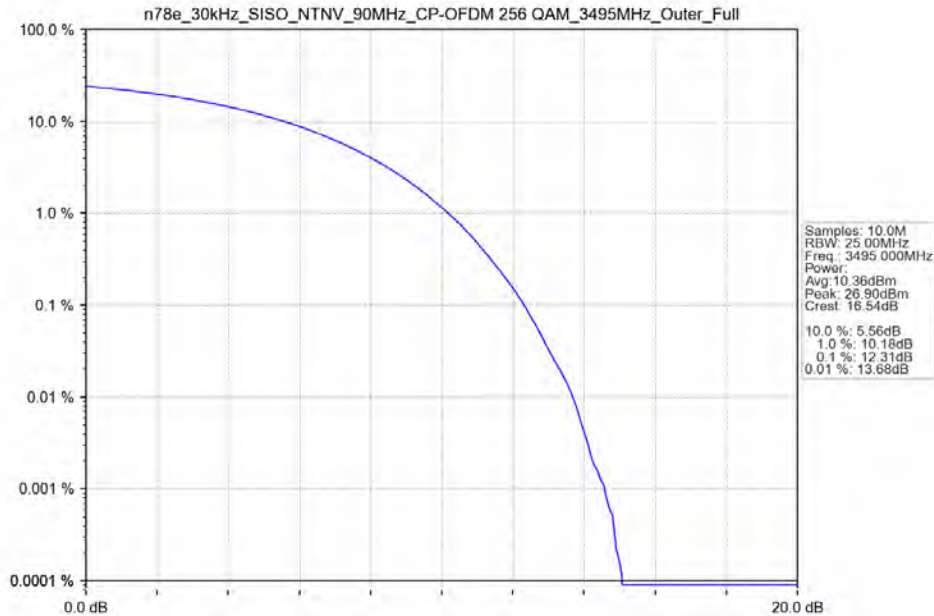
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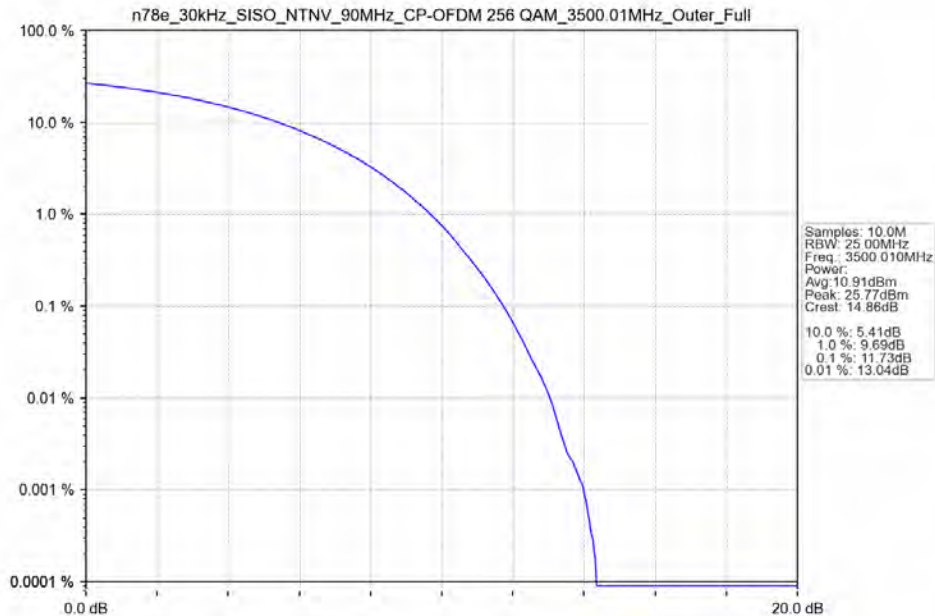


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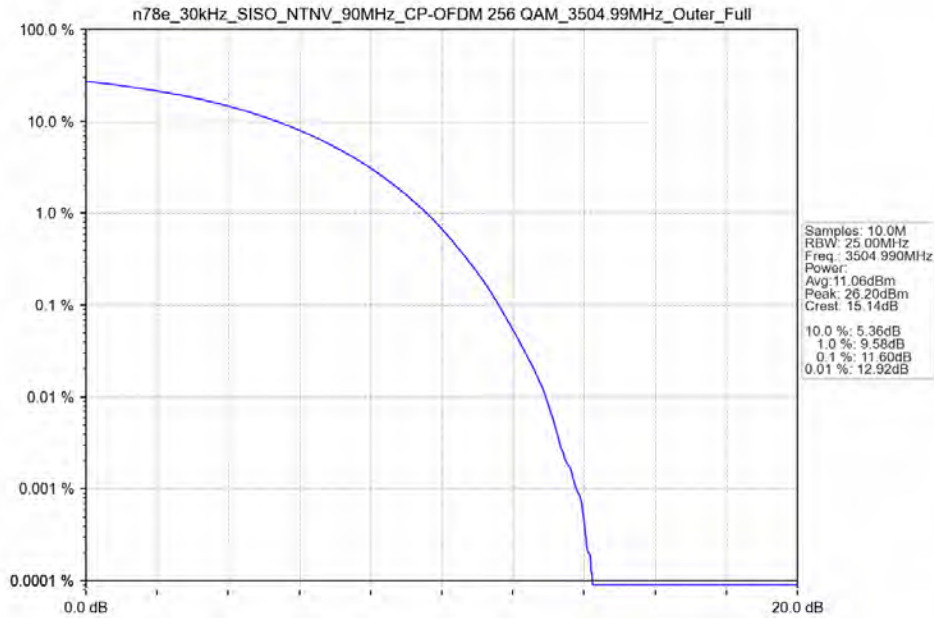
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4.9 30k_SISO_100MHz_NTNV

4.9.1 Test Result

5G NR n78e SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant4	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer Full	10.19	/	/	<=13	Pass
	3500.01	Outer Full	10.29	/	/	<=13	Pass
	3499.98	Outer Full	10.06	/	/	<=13	Pass
DFT-s-OFDM QPSK	3500.01	Outer Full	10.80	/	/	<=13	Pass
	3500.01	Outer Full	11.04	/	/	<=13	Pass
	3499.98	Outer Full	11.09	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer Full	11.24	/	/	<=13	Pass
	3500.01	Outer Full	11.21	/	/	<=13	Pass
	3499.98	Outer Full	11.01	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer Full	11.25	/	/	<=13	Pass
	3500.01	Outer Full	11.00	/	/	<=13	Pass
	3499.98	Outer Full	11.02	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer Full	11.58	/	/	<=13	Pass
	3500.01	Outer Full	11.31	/	/	<=13	Pass
	3499.98	Outer Full	10.92	/	/	<=13	Pass
CP-OFDM QPSK	3500.01	Outer Full	11.69	/	/	<=13	Pass
	3500.01	Outer Full	11.68	/	/	<=13	Pass
	3499.98	Outer Full	11.55	/	/	<=13	Pass
CP-OFDM 16 QAM	3500.01	Outer Full	11.92	/	/	<=13	Pass
	3500.01	Outer Full	12.25	/	/	<=13	Pass
	3499.98	Outer Full	11.67	/	/	<=13	Pass
CP-OFDM 64 QAM	3500.01	Outer Full	11.62	/	/	<=13	Pass
	3500.01	Outer Full	11.79	/	/	<=13	Pass
	3499.98	Outer Full	11.58	/	/	<=13	Pass
CP-OFDM 256 QAM	3500.01	Outer Full	11.57	/	/	<=13	Pass
	3500.01	Outer Full	11.79	/	/	<=13	Pass
	3499.98	Outer Full	12.09	/	/	<=13	Pass



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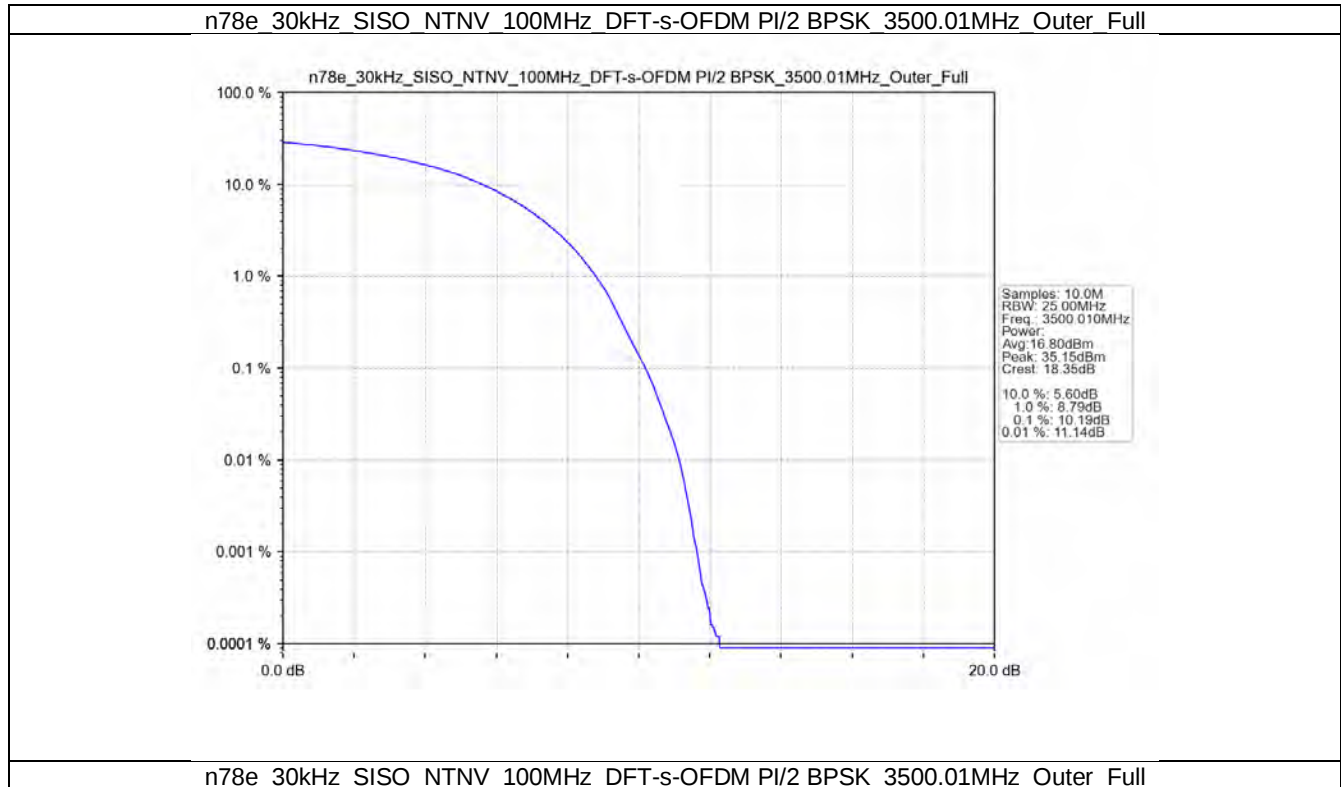
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4.9.2 Test Graph



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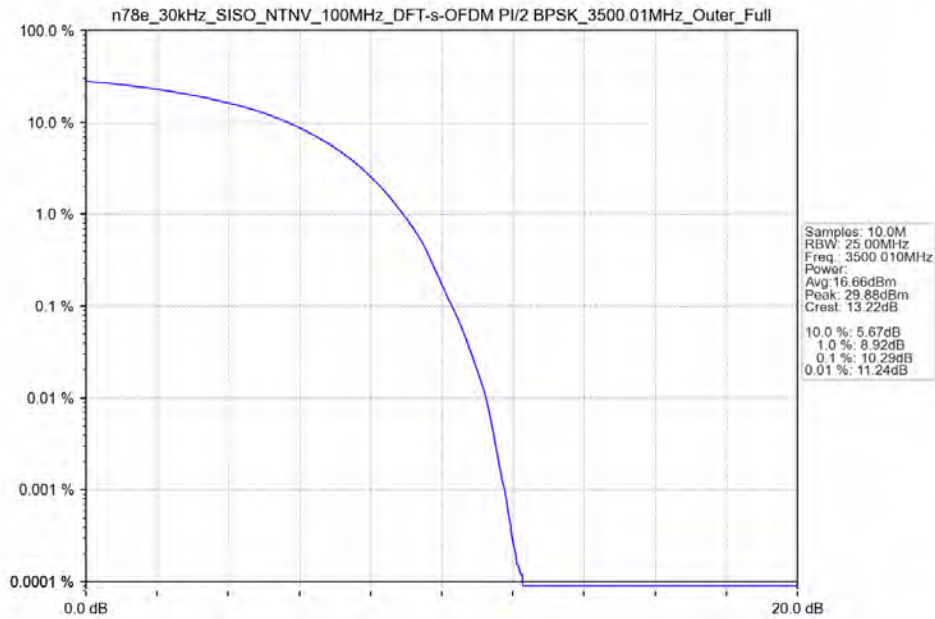


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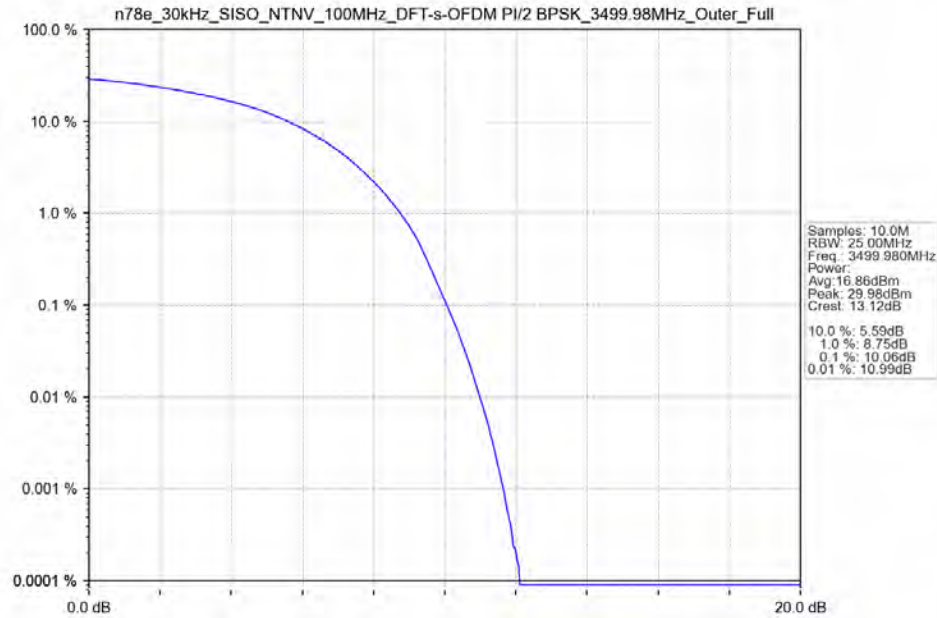
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n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3499.98MHz_Outer_Full



n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3500.01MHz_Outer_Full



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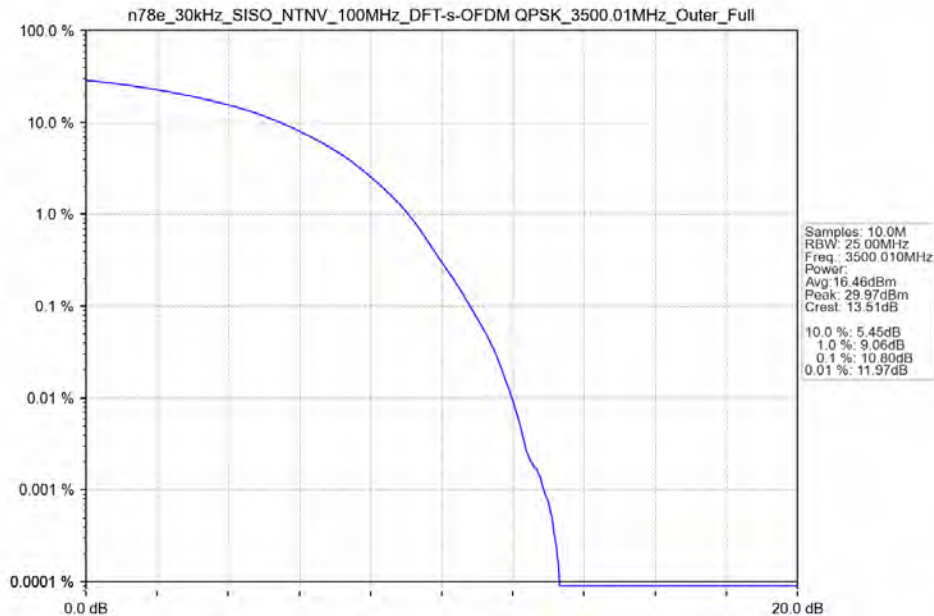


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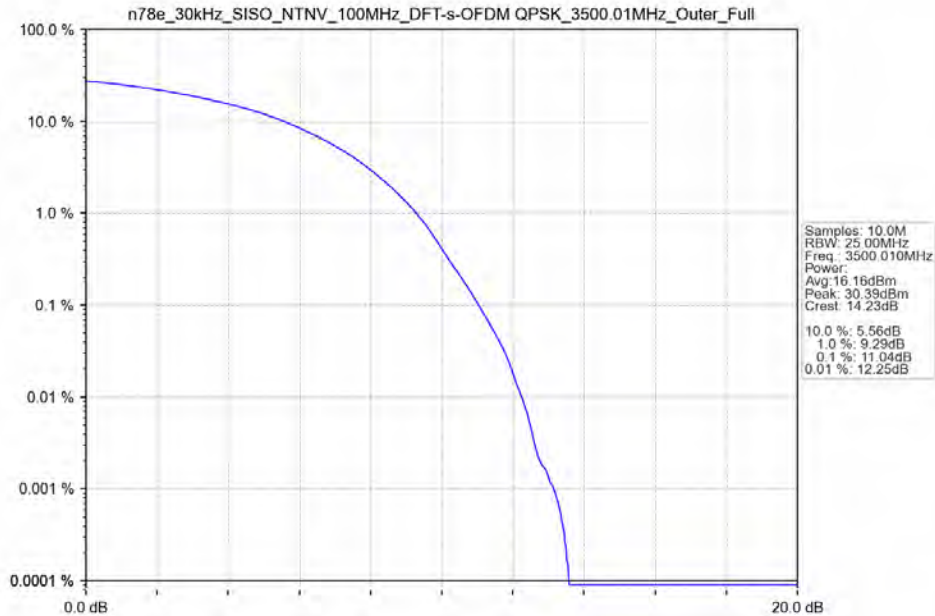
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n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3500.01MHz_Outer_Full



n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3499.98MHz_Outer_Full



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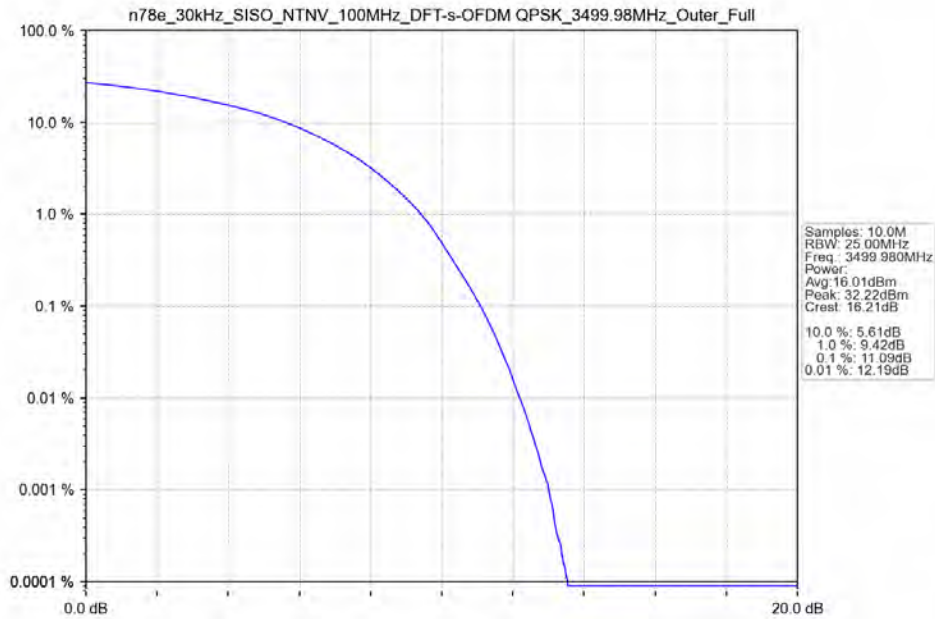


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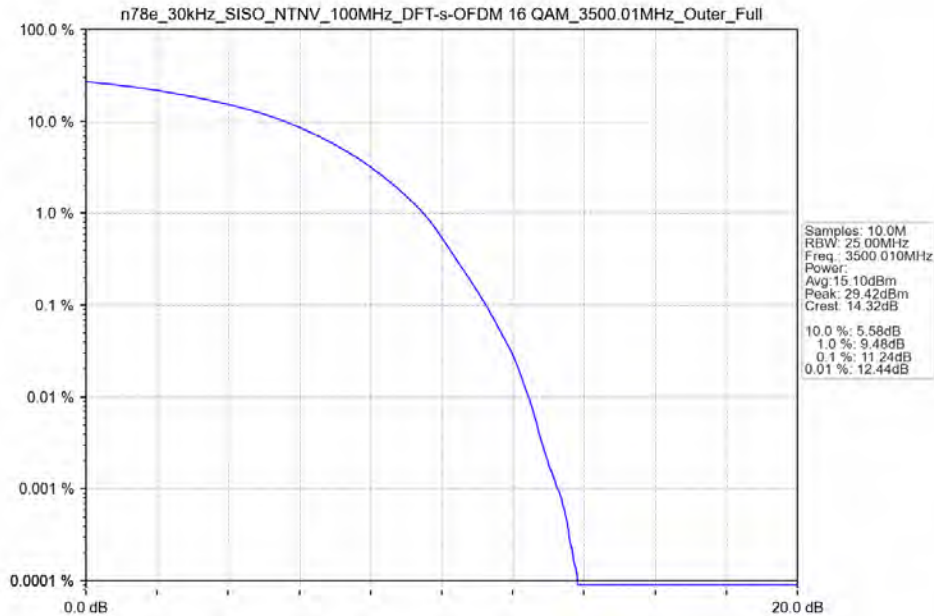
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n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full



n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full



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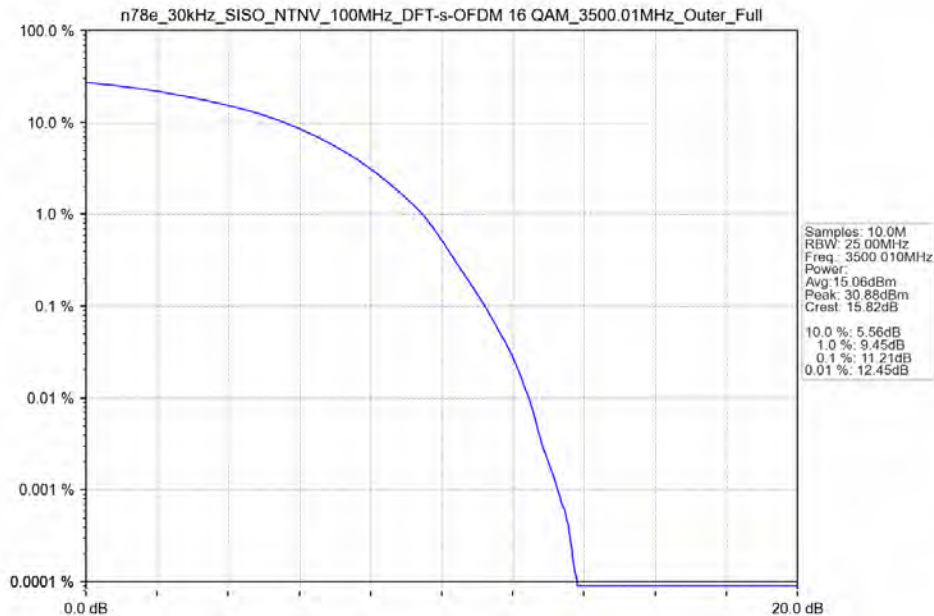


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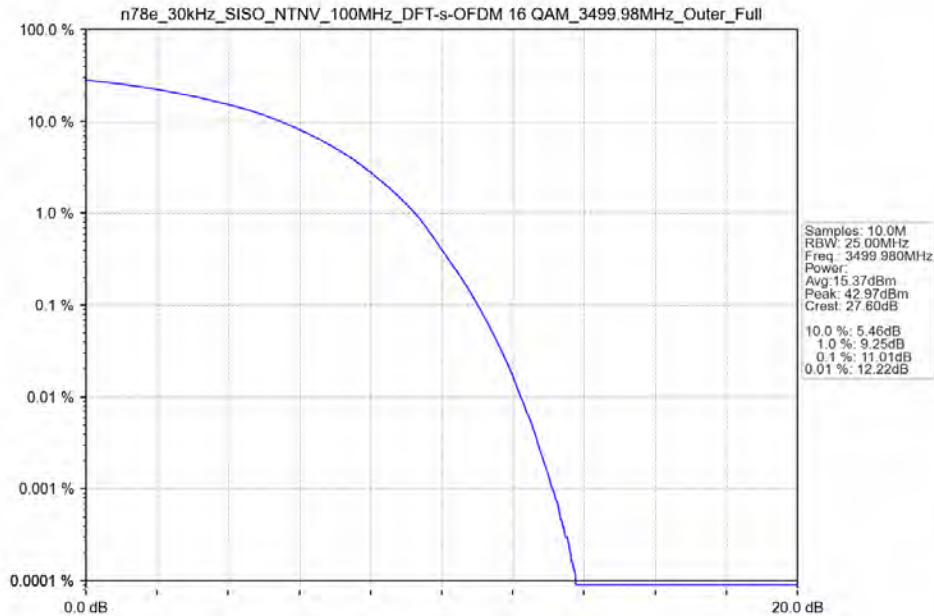
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n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 64 QAM_3500.01MHz_Outer_Full



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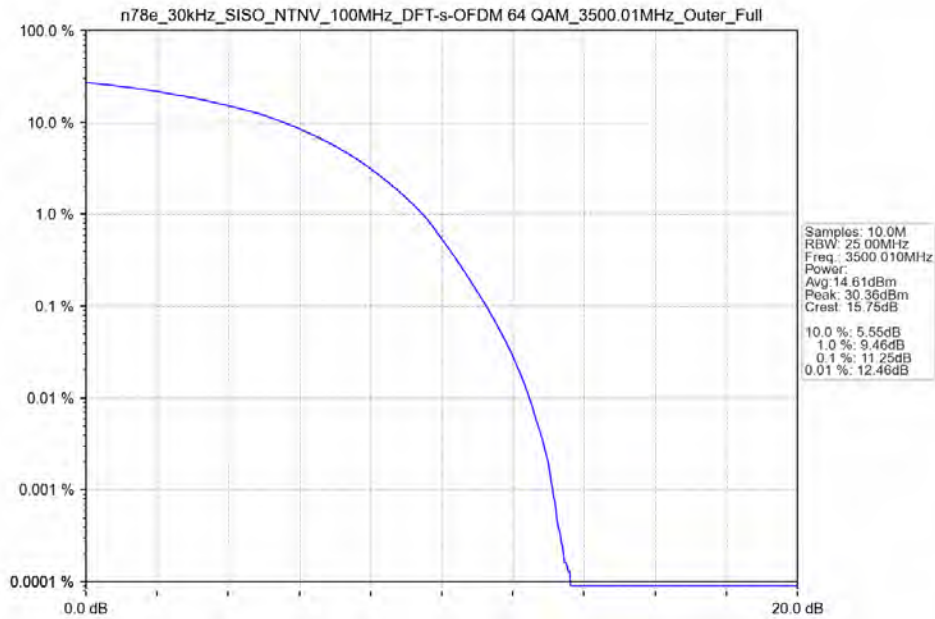


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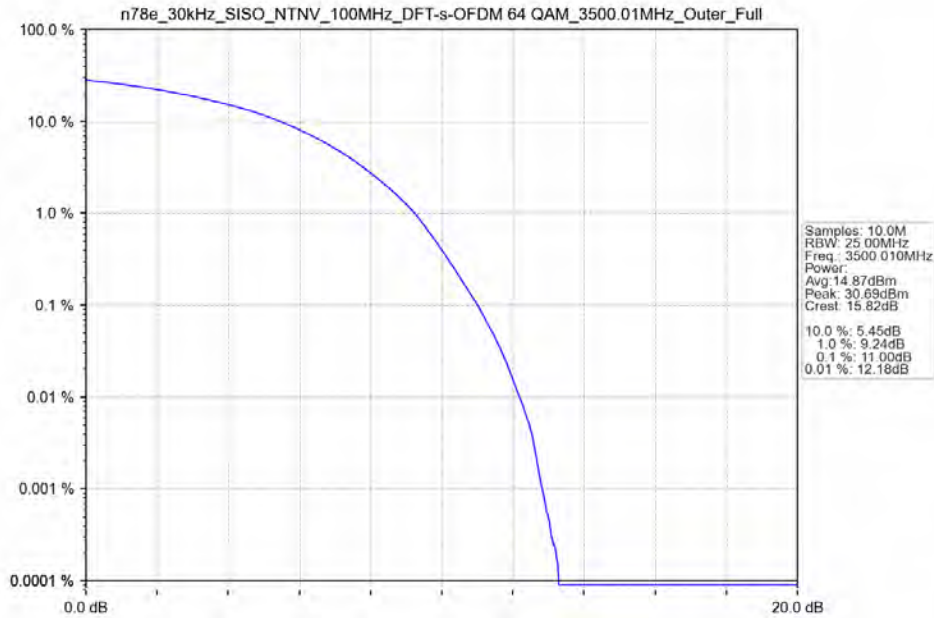
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n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 64 QAM_3499.98MHz_Outer_Full



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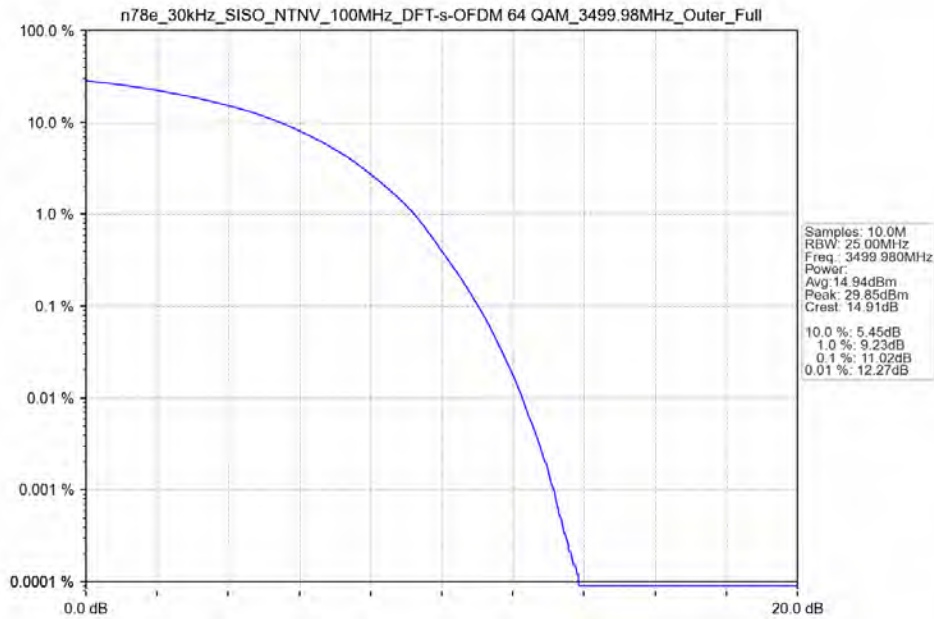


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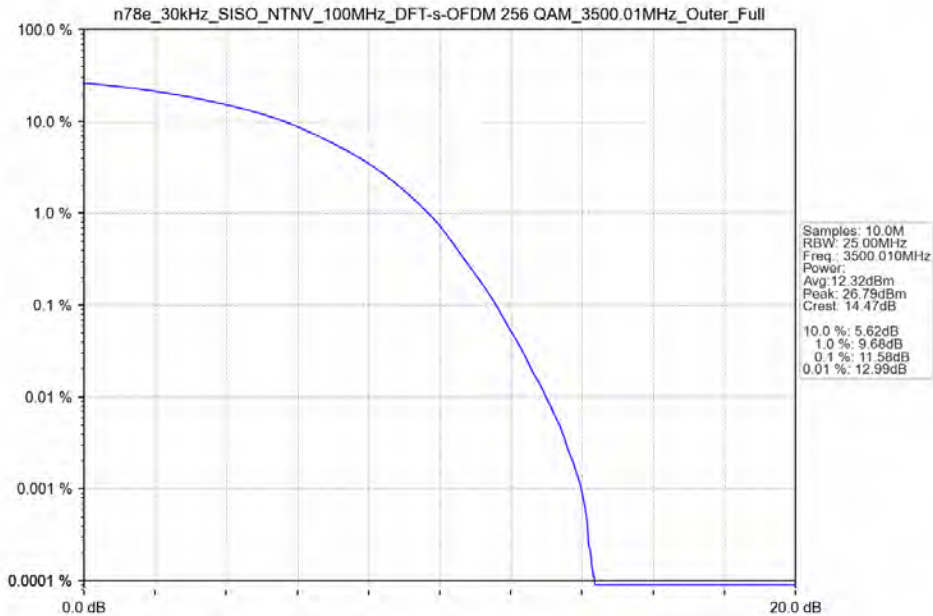
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n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full



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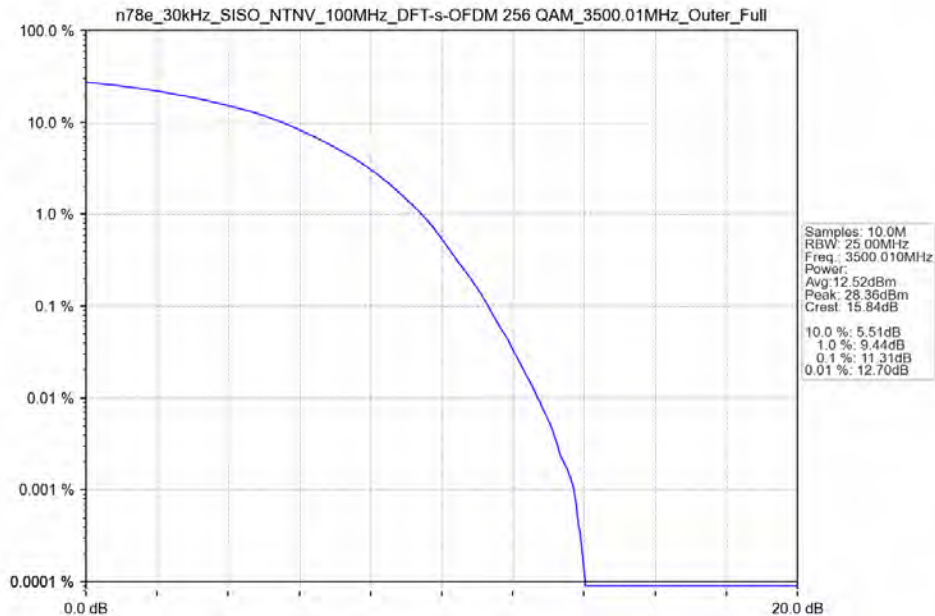


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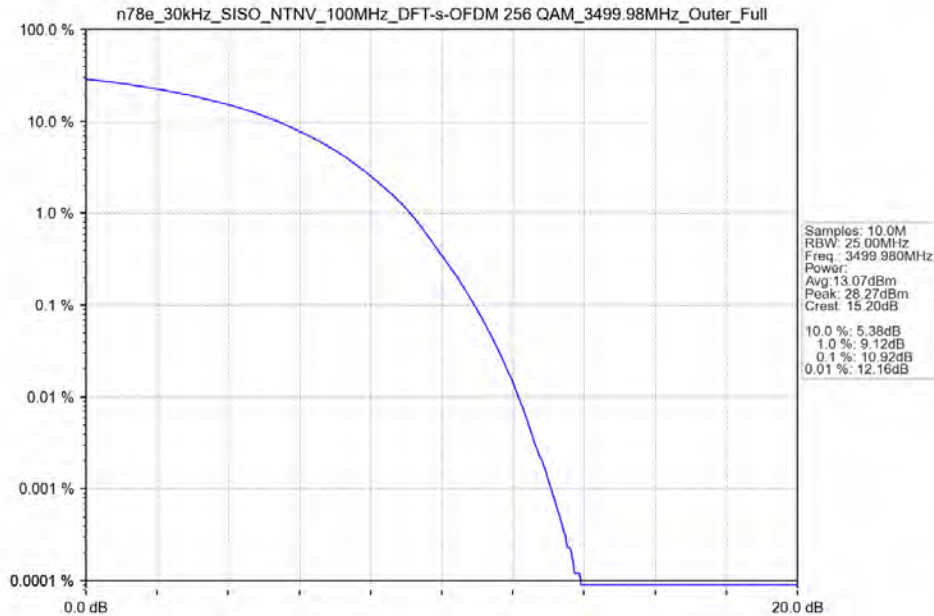
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n78e_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK 3500.01MHz_Outer_Full



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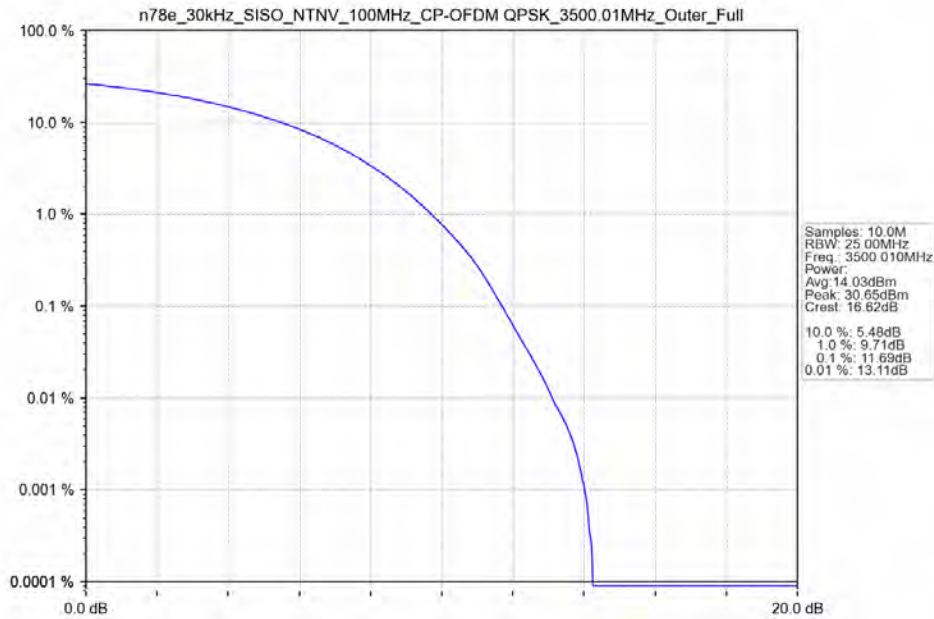


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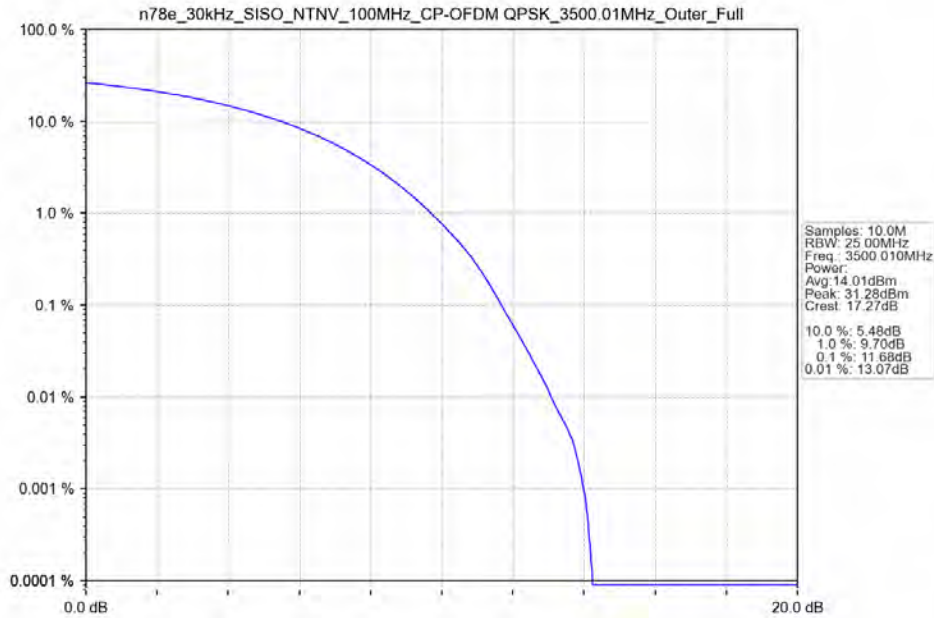
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n78e_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3499.98MHz_Outer_Full



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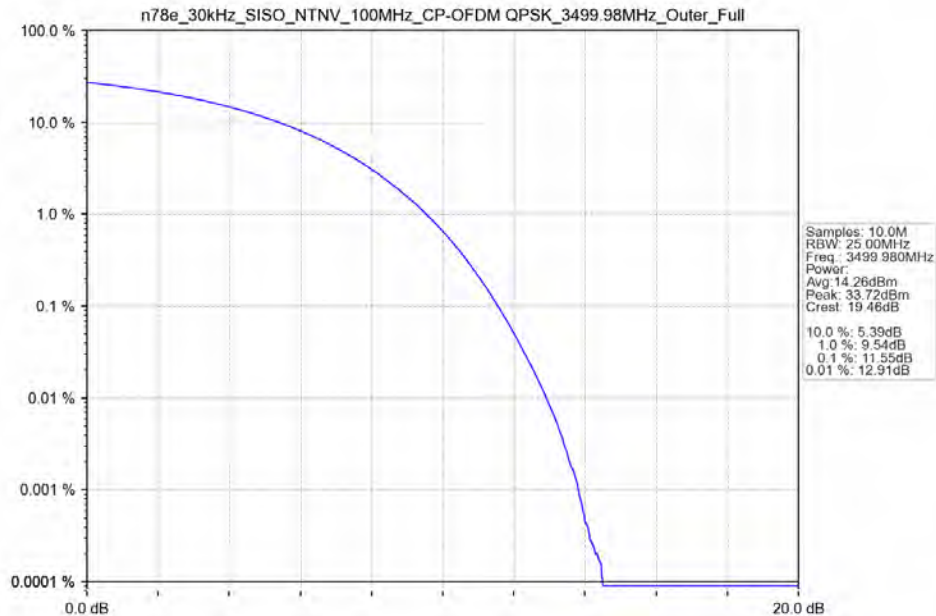


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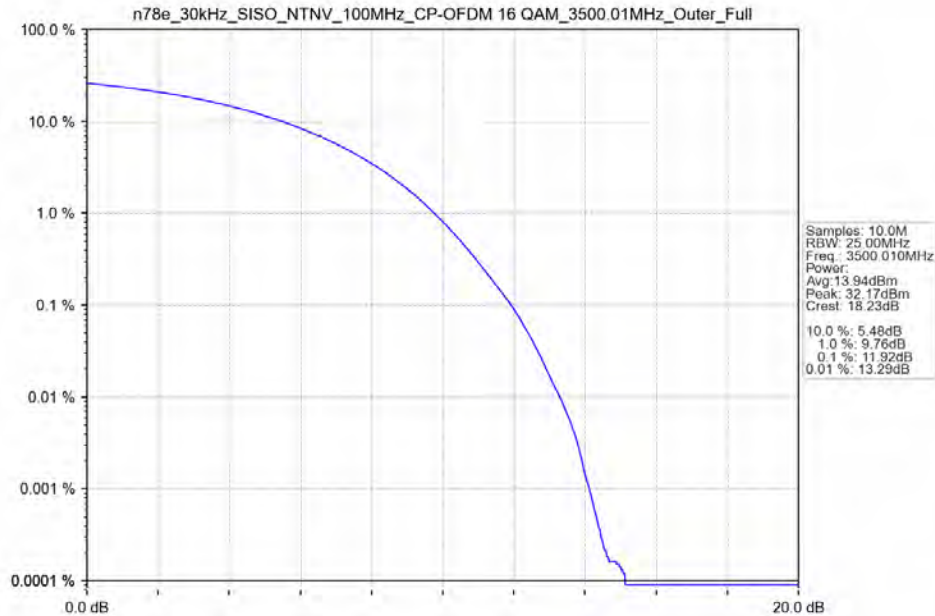
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n78e_30kHz_SISO_NTNV_100MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full



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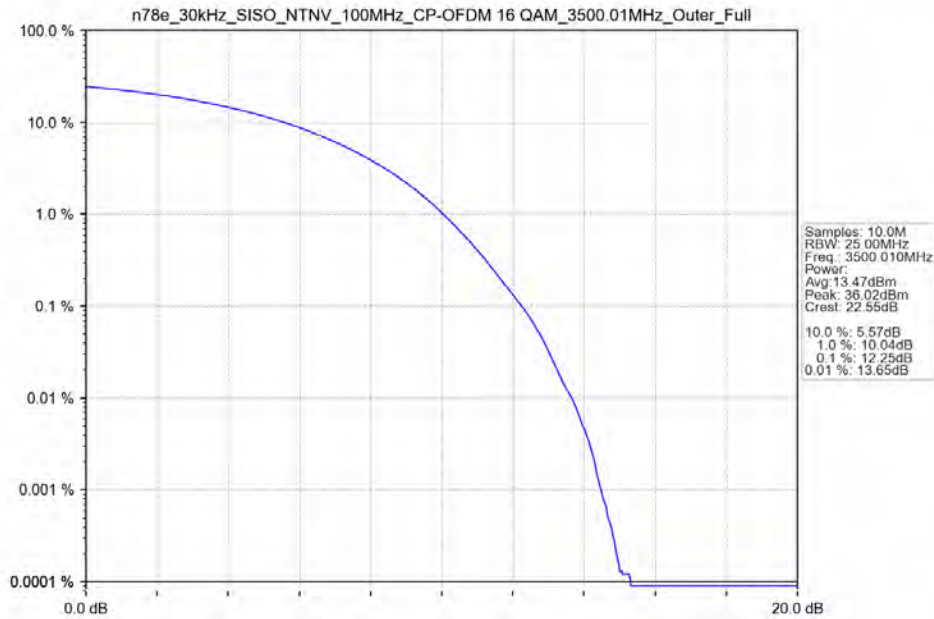


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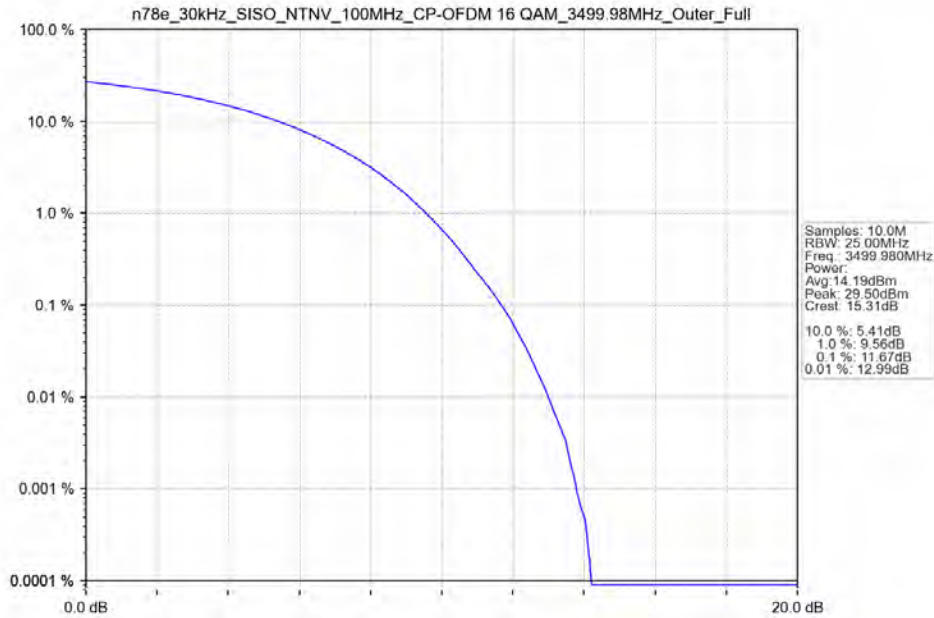
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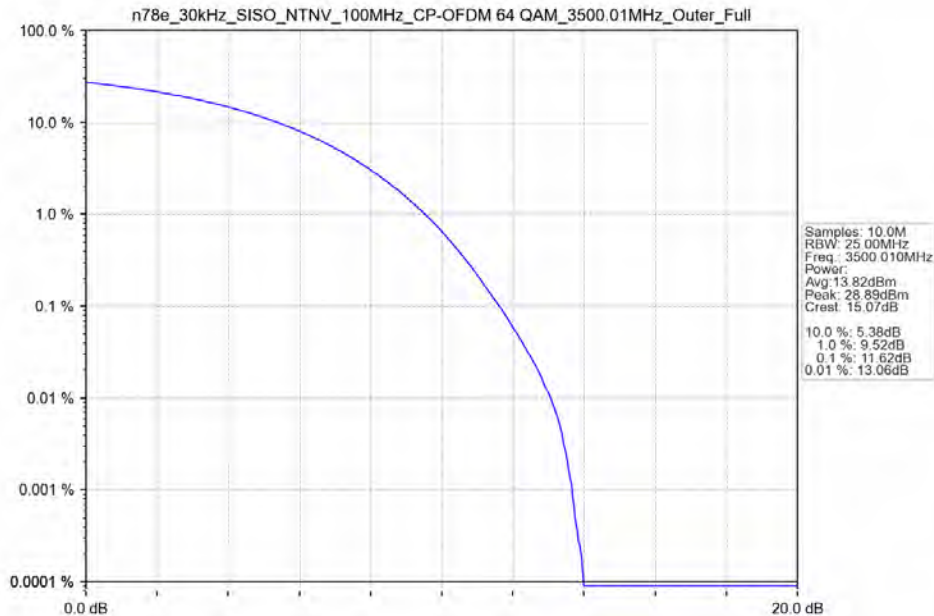


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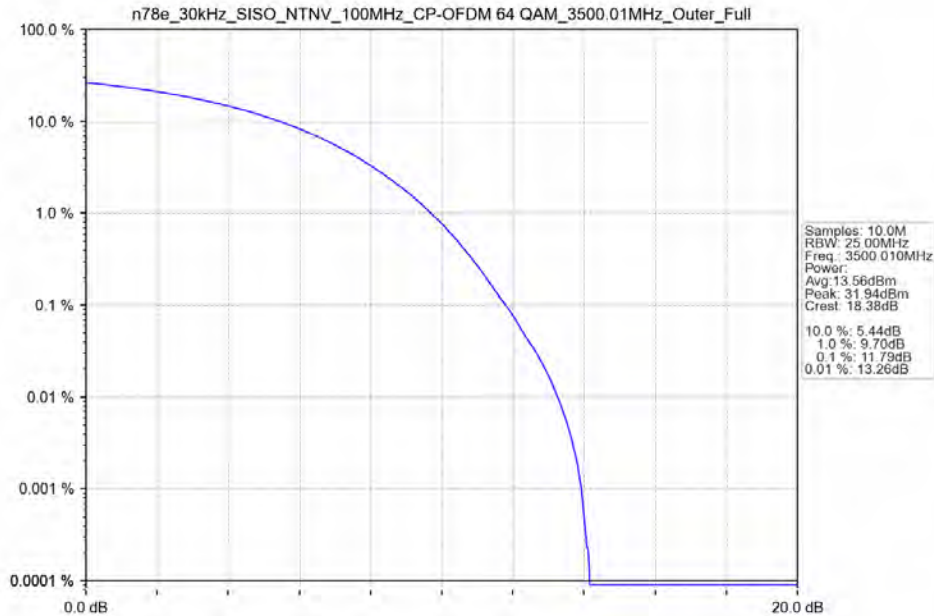
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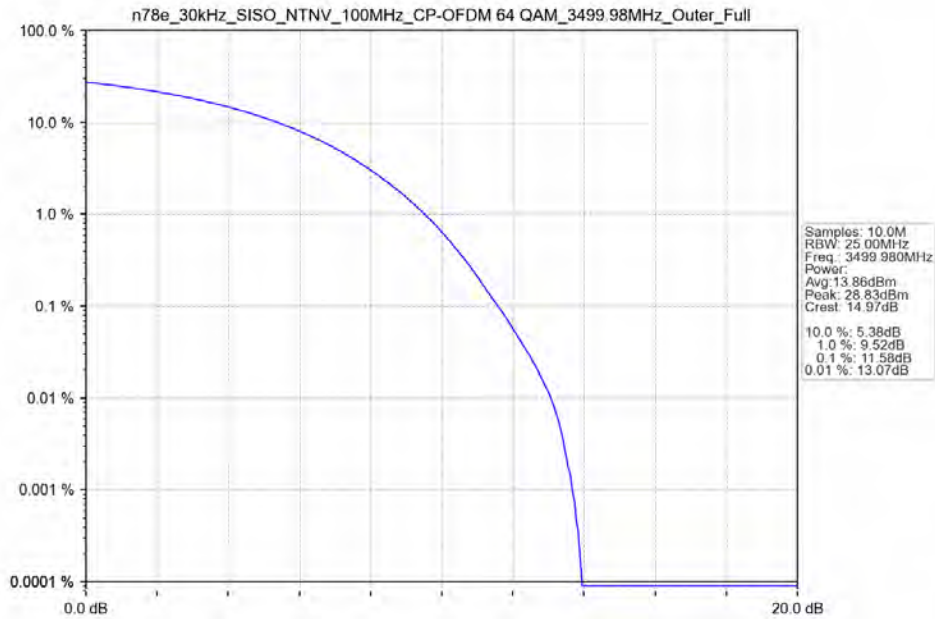


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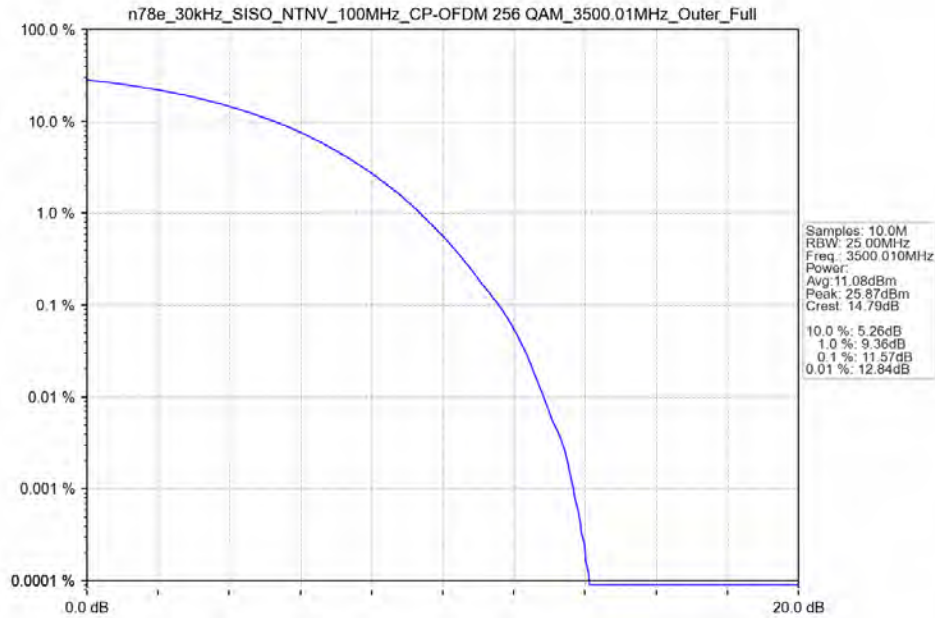
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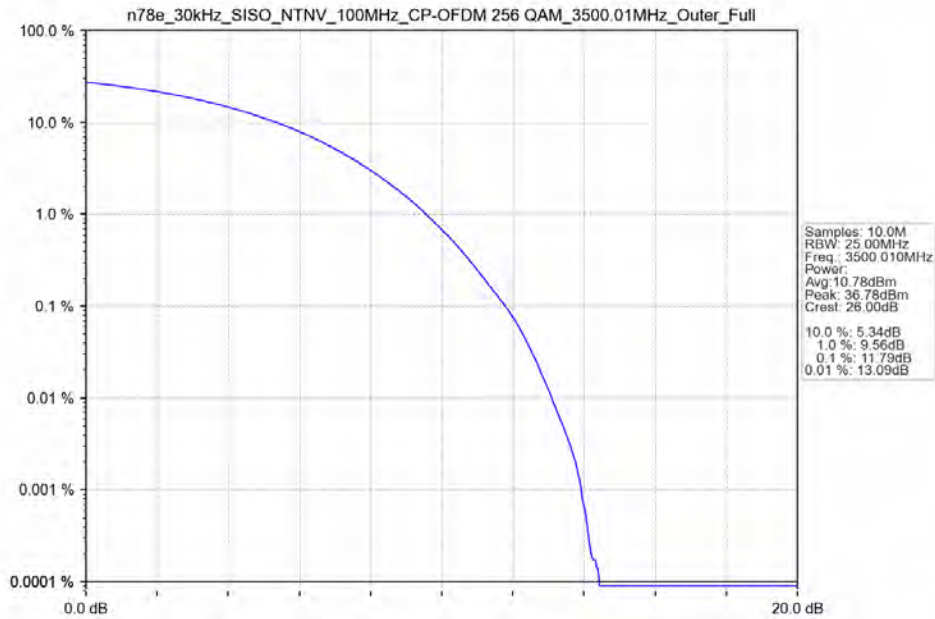


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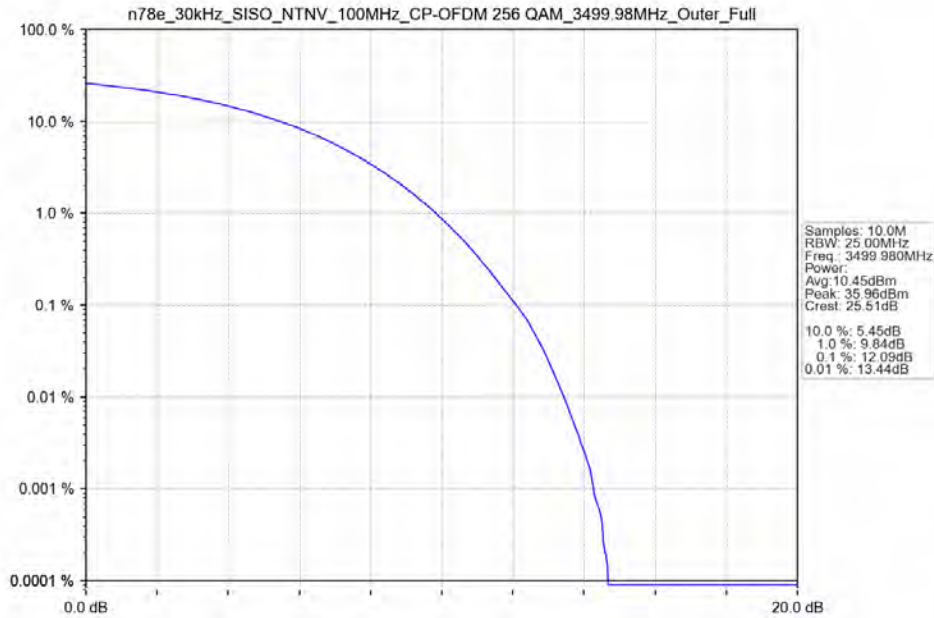
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5. Spurious Emission & Band Edges

5.1 30k_SISO_20MHz_NTNV

5.1.1 Test Result

5G NR n78e SCS=30kHz SISO 20MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant1	Ant4	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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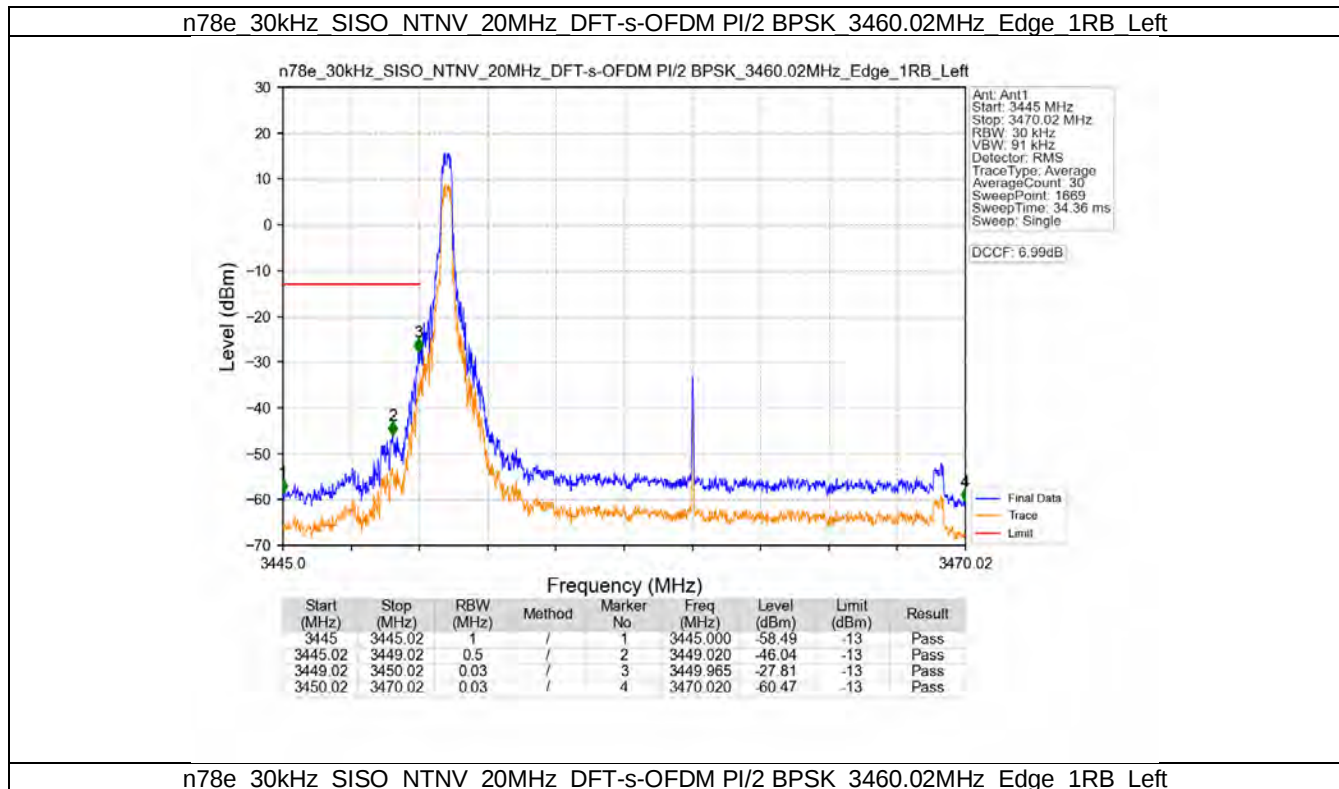
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5.1.2 Test Graph



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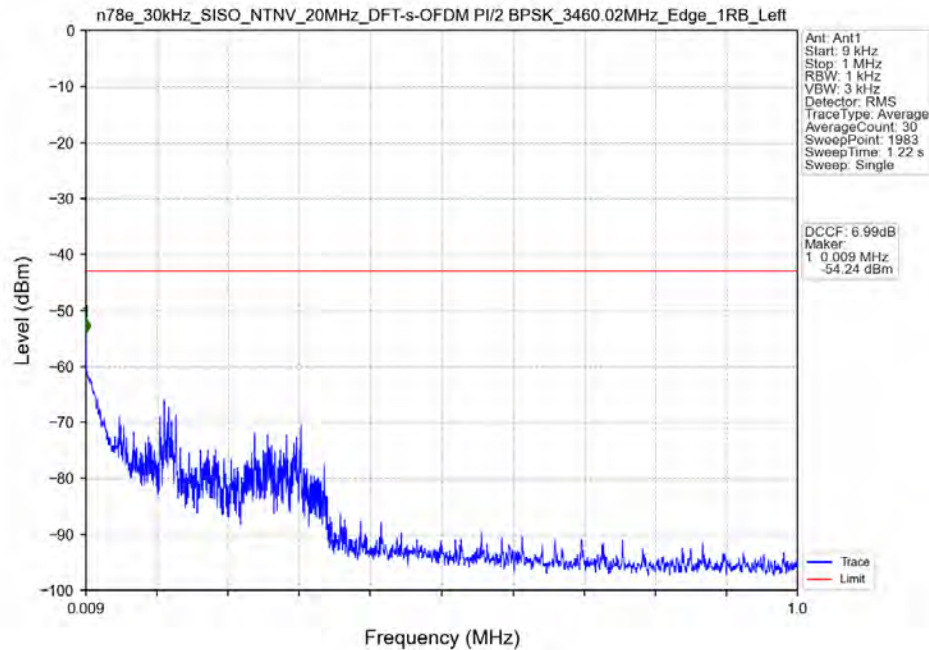


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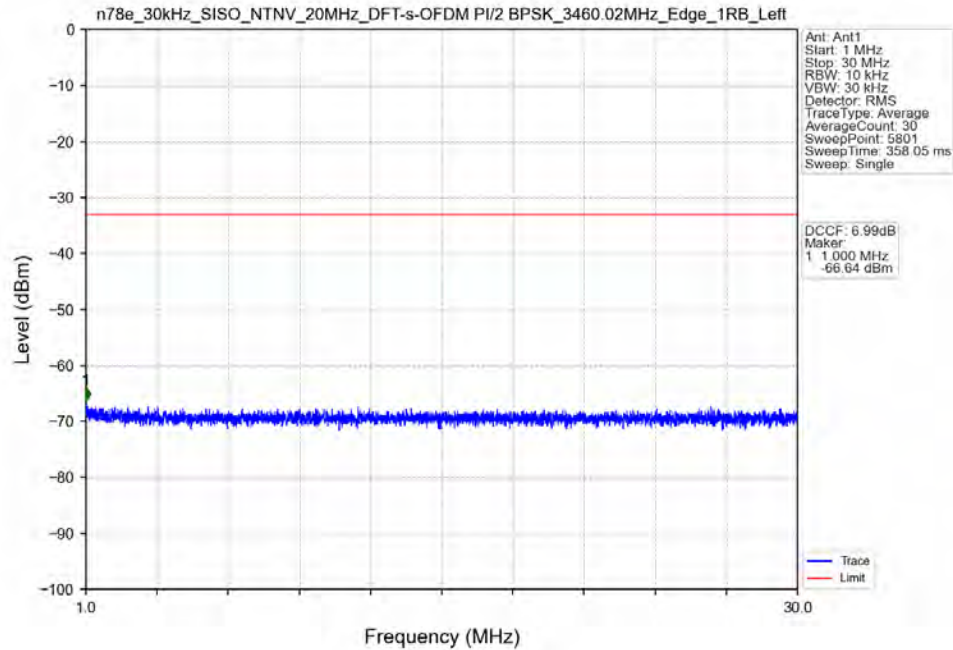
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n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Edge_1RB_Left



n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Edge_1RB_Left



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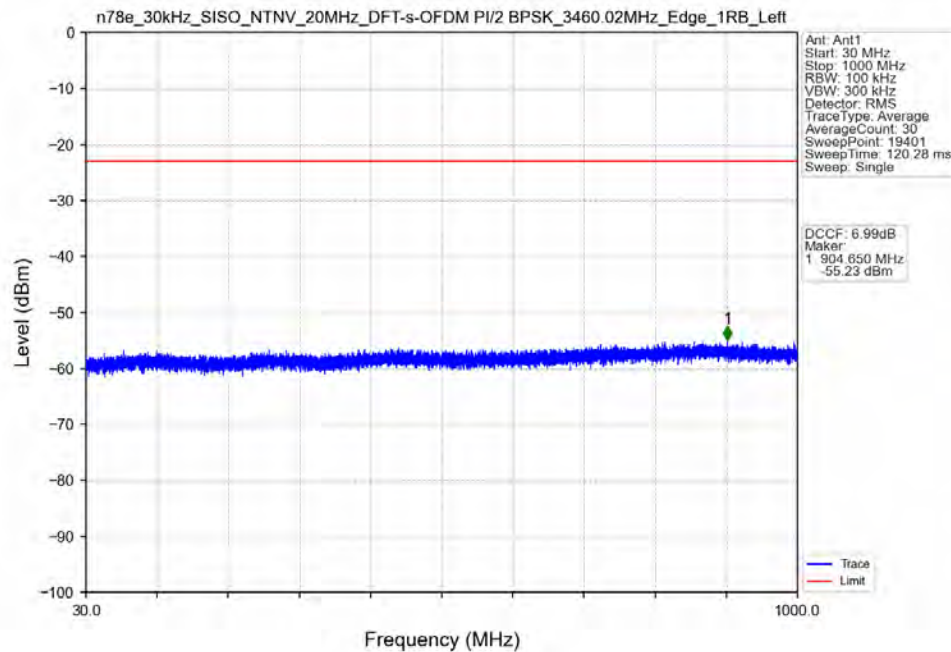


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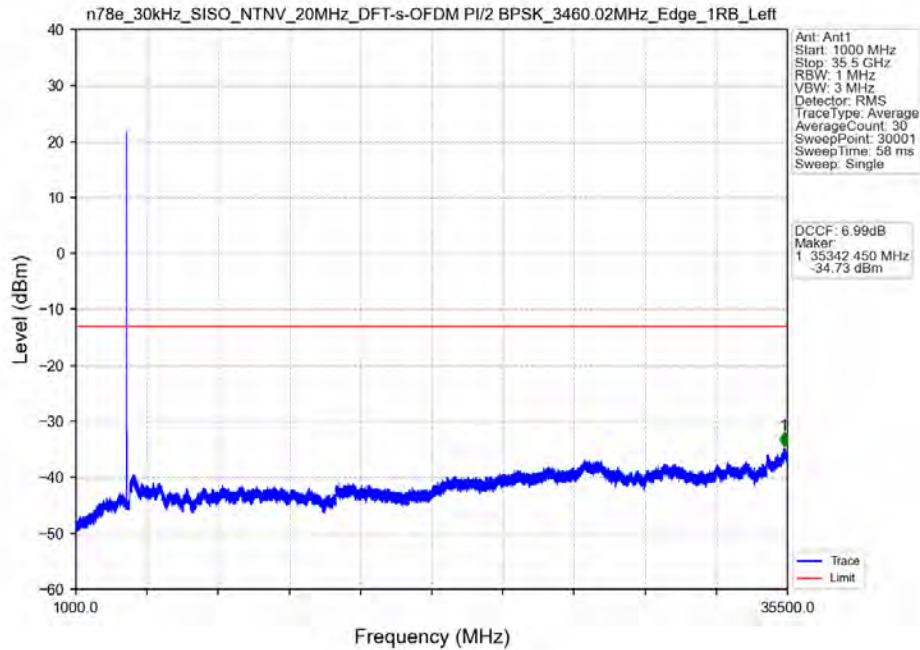
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n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Edge_1RB_Left



n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Outer_Full



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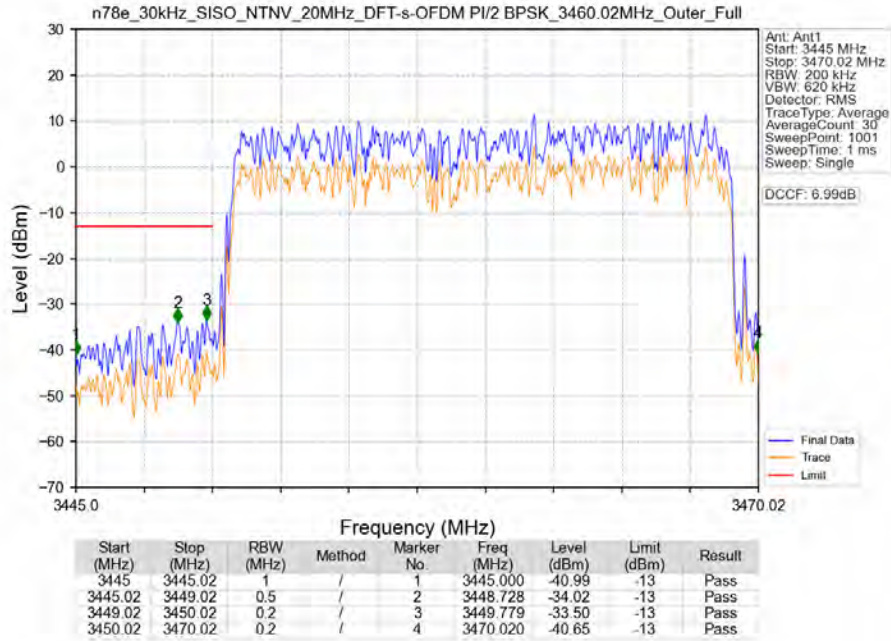


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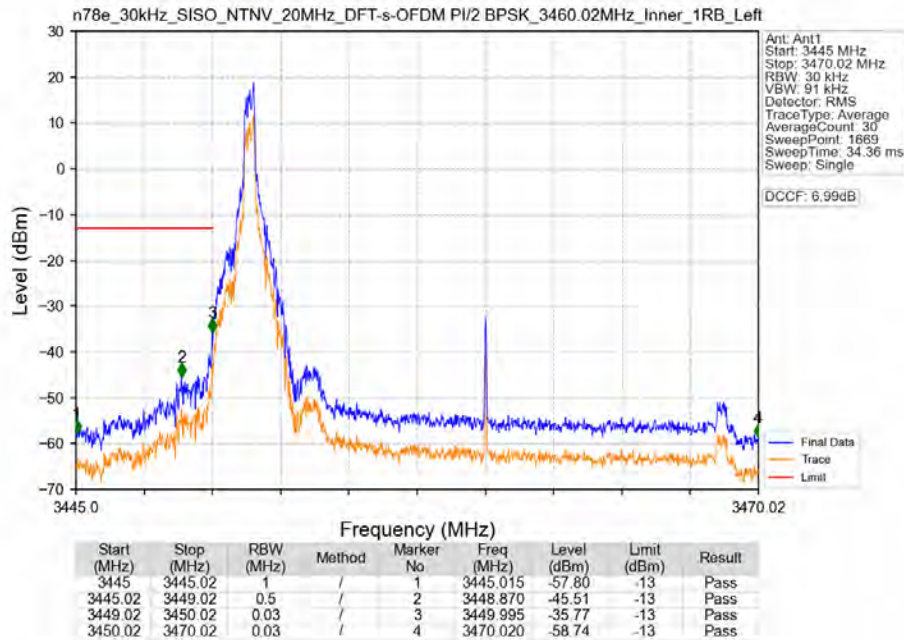
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n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK 3460.02MHz_Inner_1RB_Left



n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK 3500.01MHz_Edge_1RB_Left



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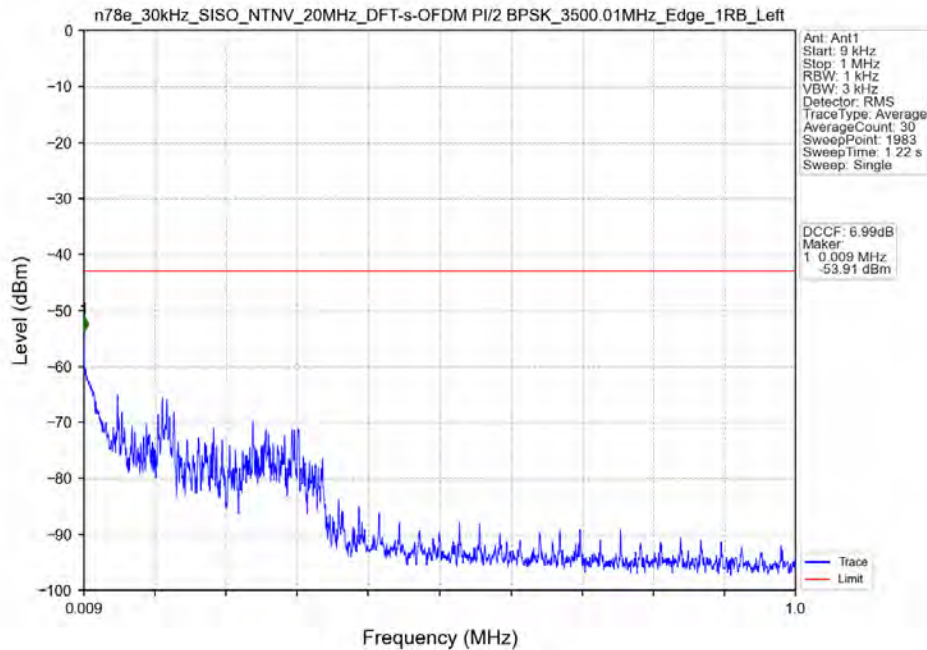


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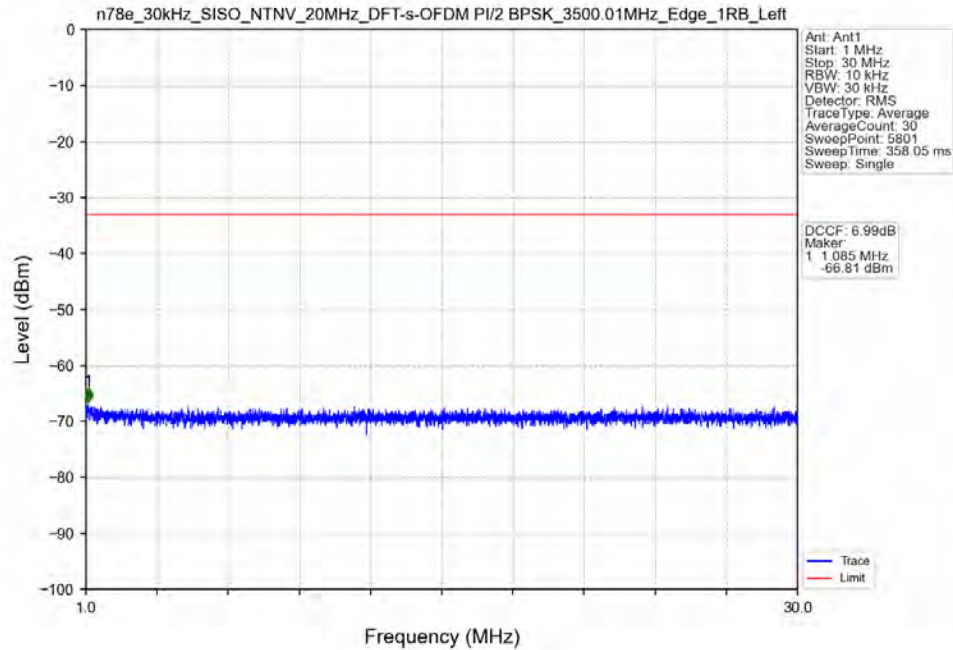
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n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



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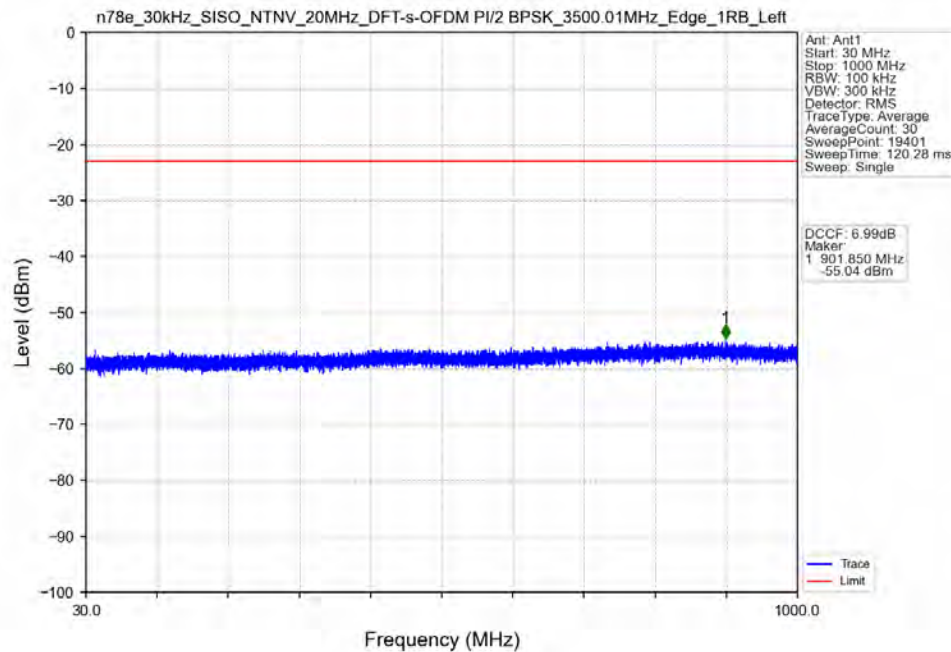


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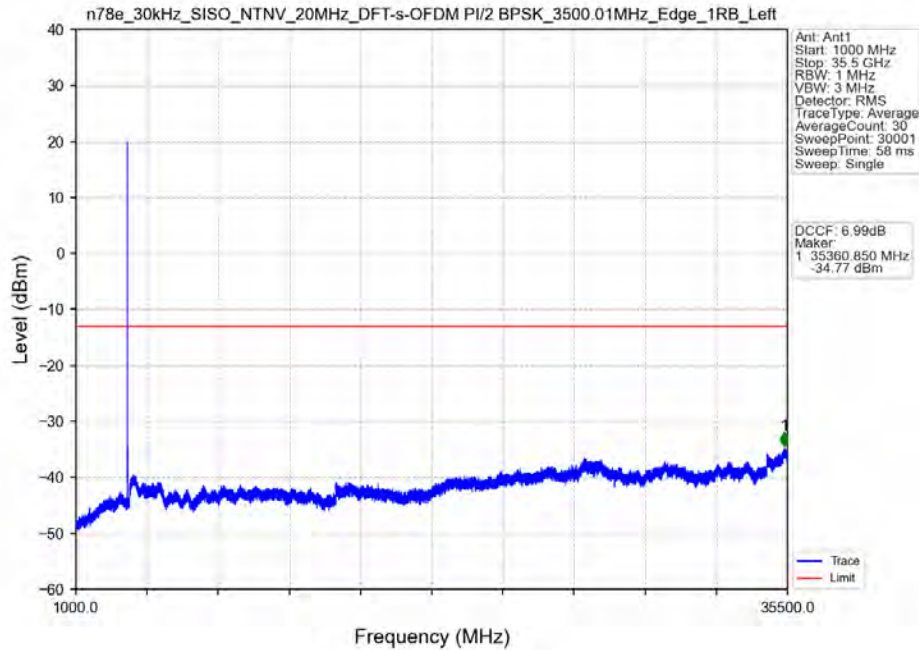
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n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3540MHz_Edge_1RB_Right



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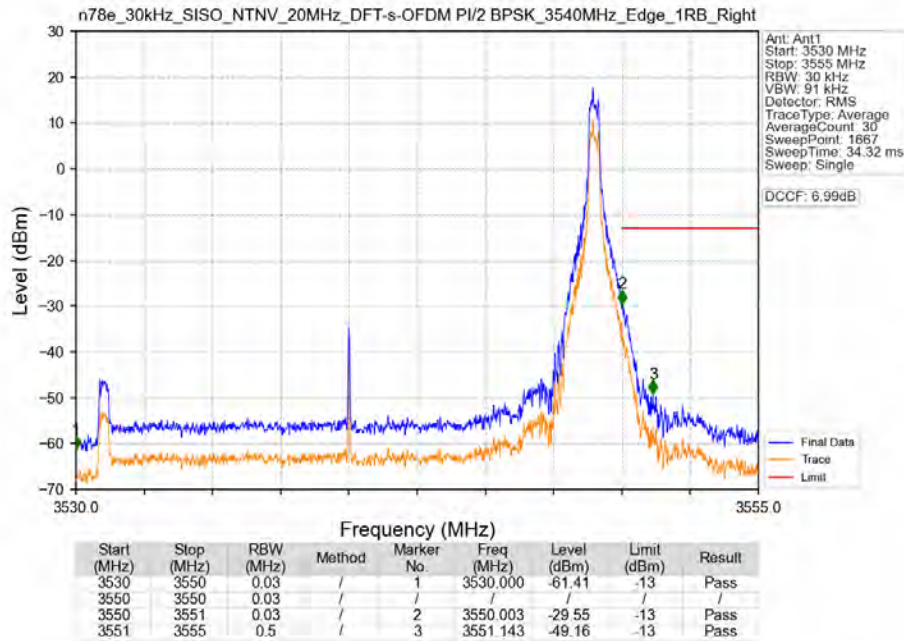


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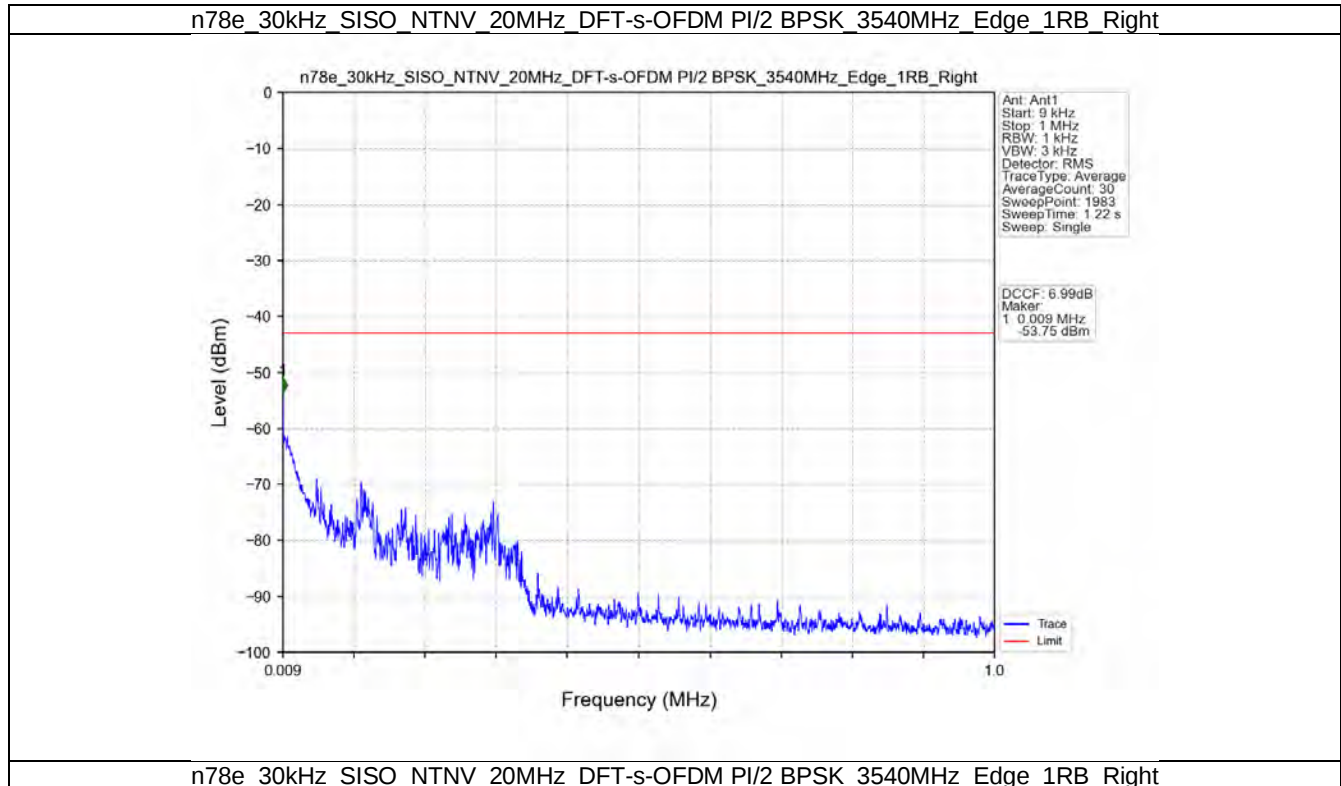


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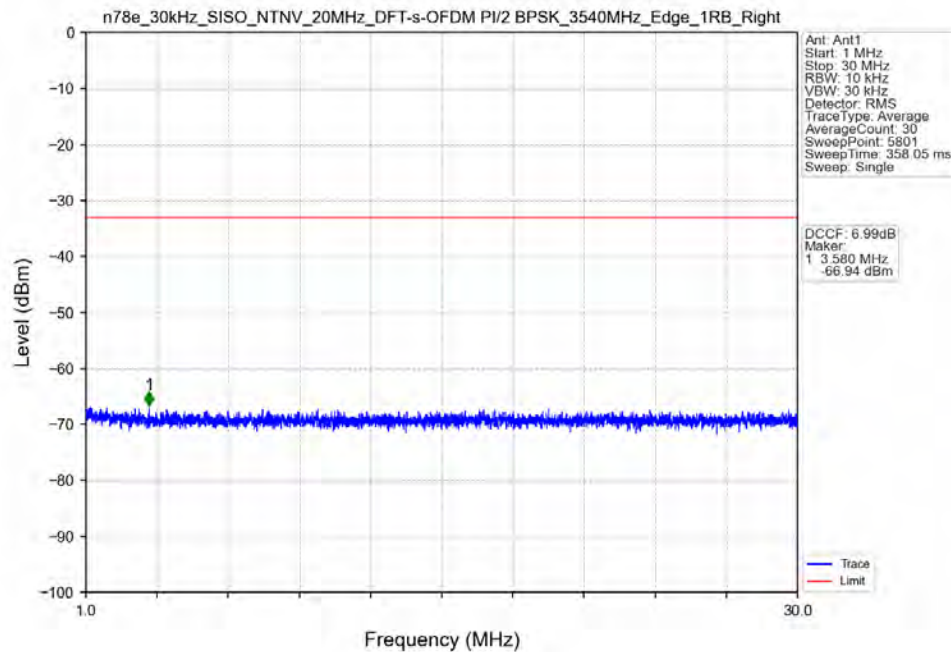


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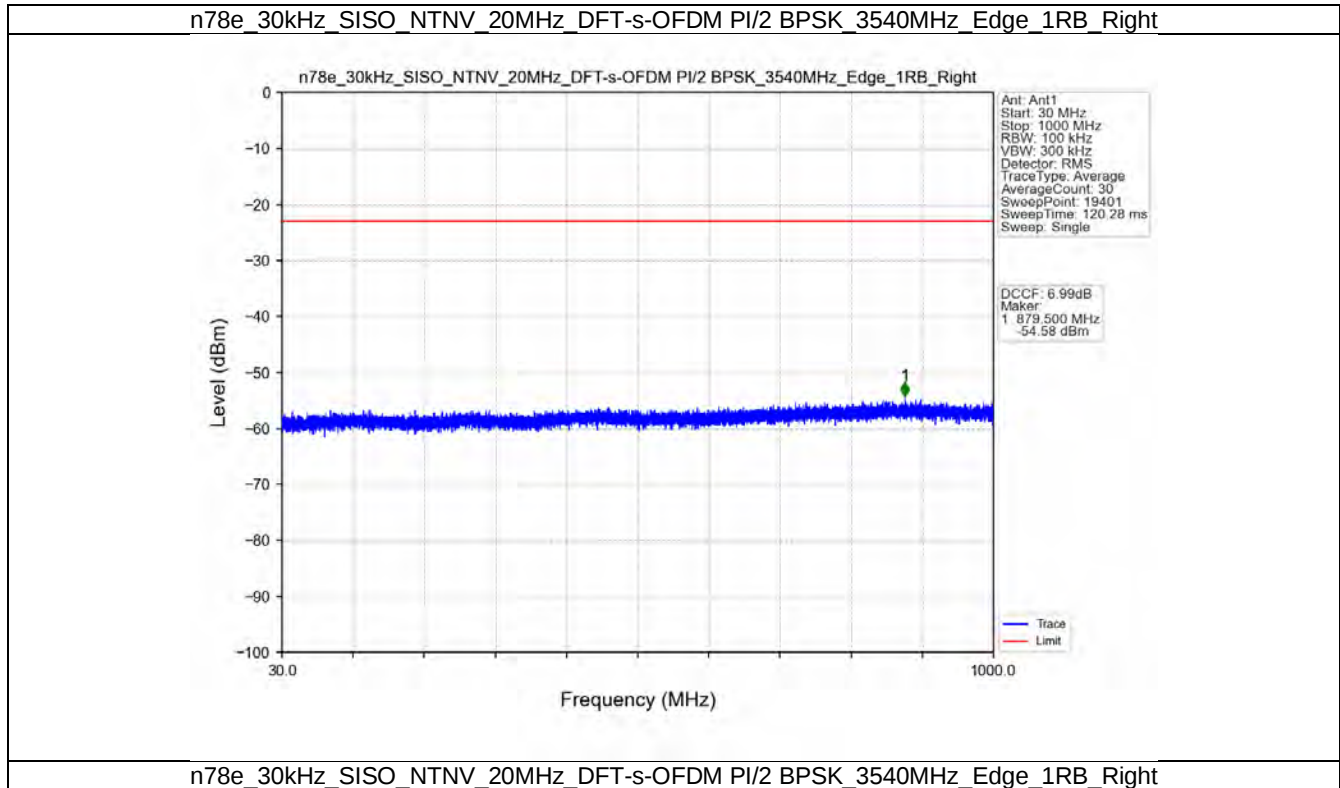


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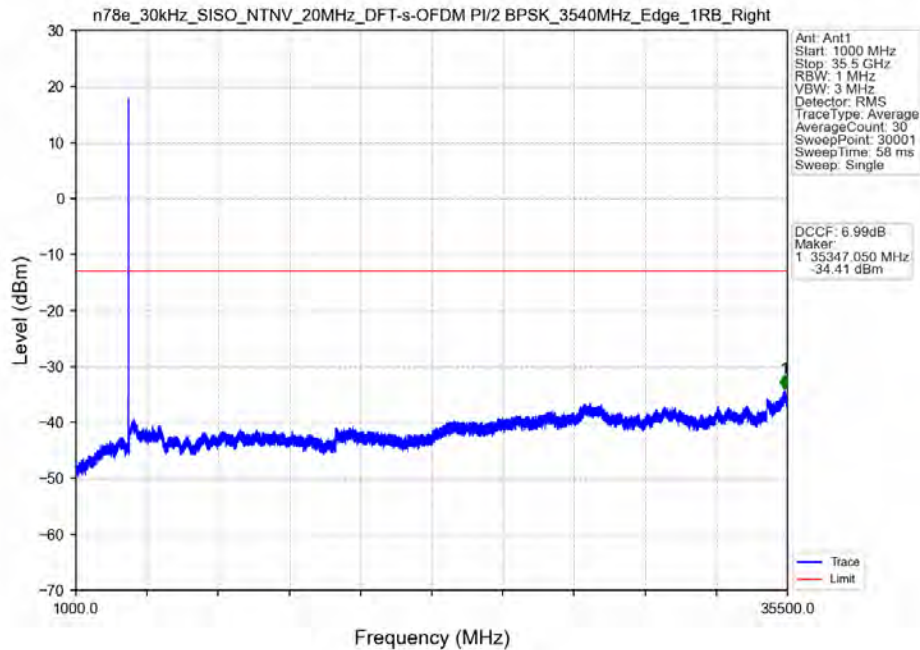


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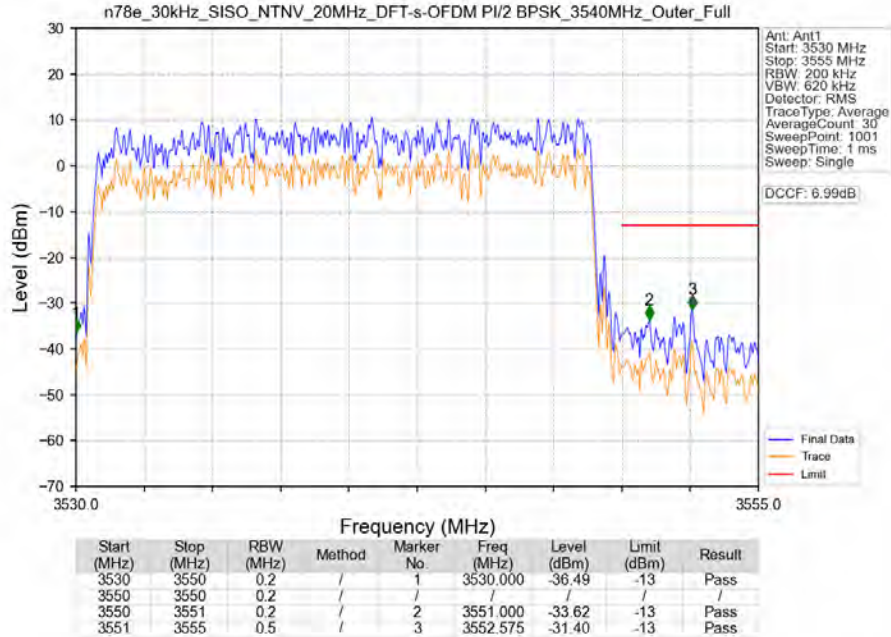
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n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3540MHz_Inner_1RB_Right



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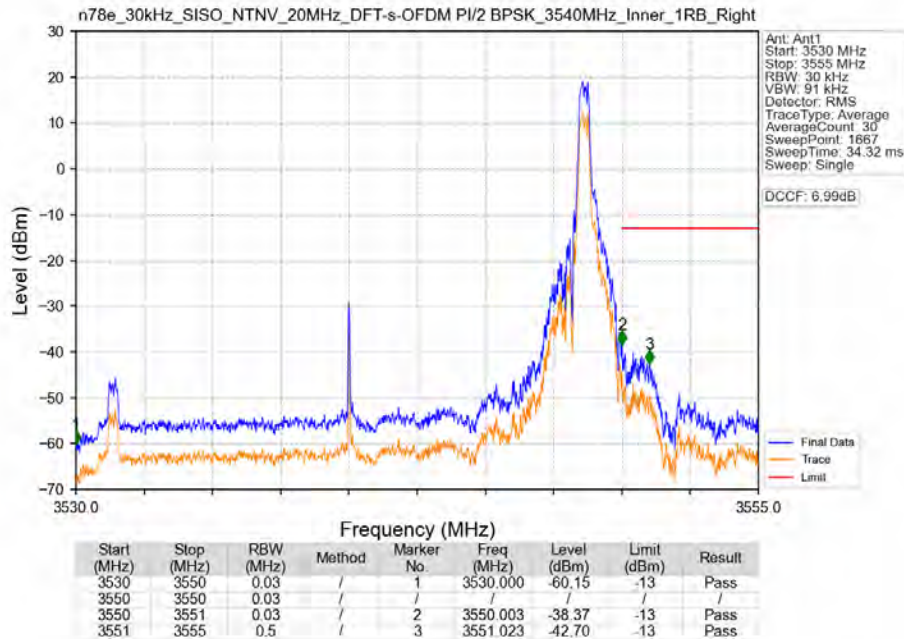


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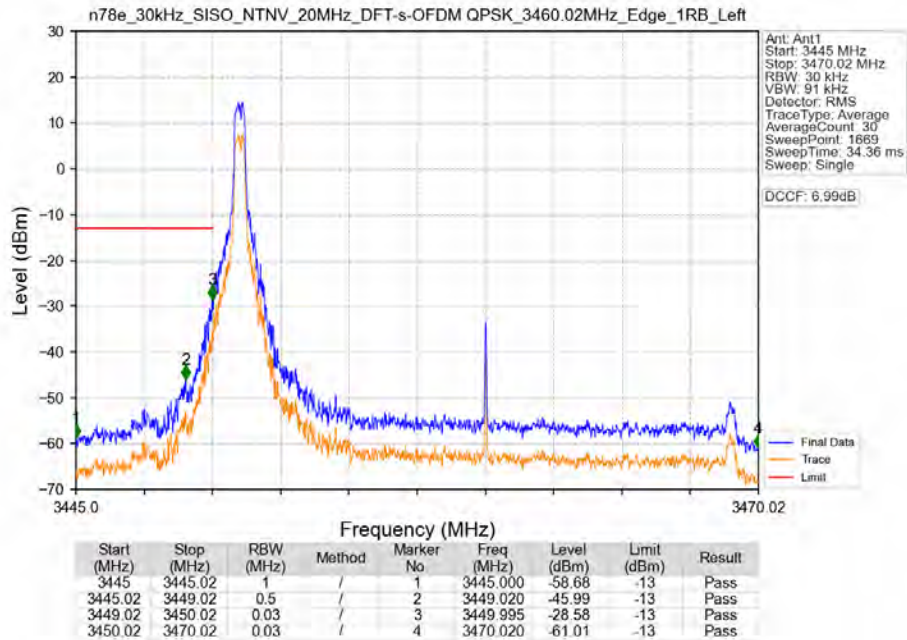
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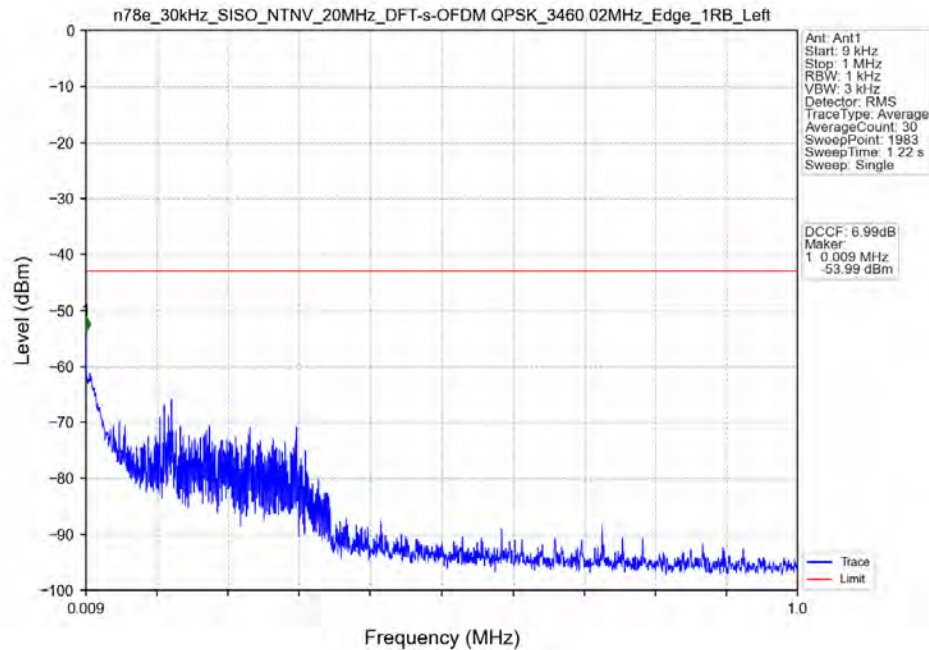


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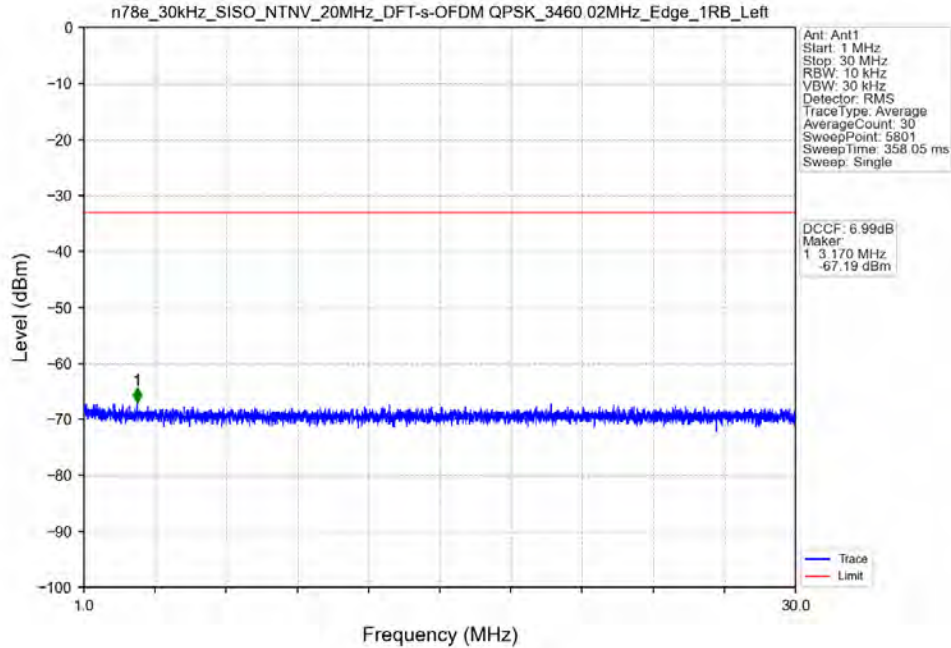
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n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3460.02MHz_Edge_1RB_Left



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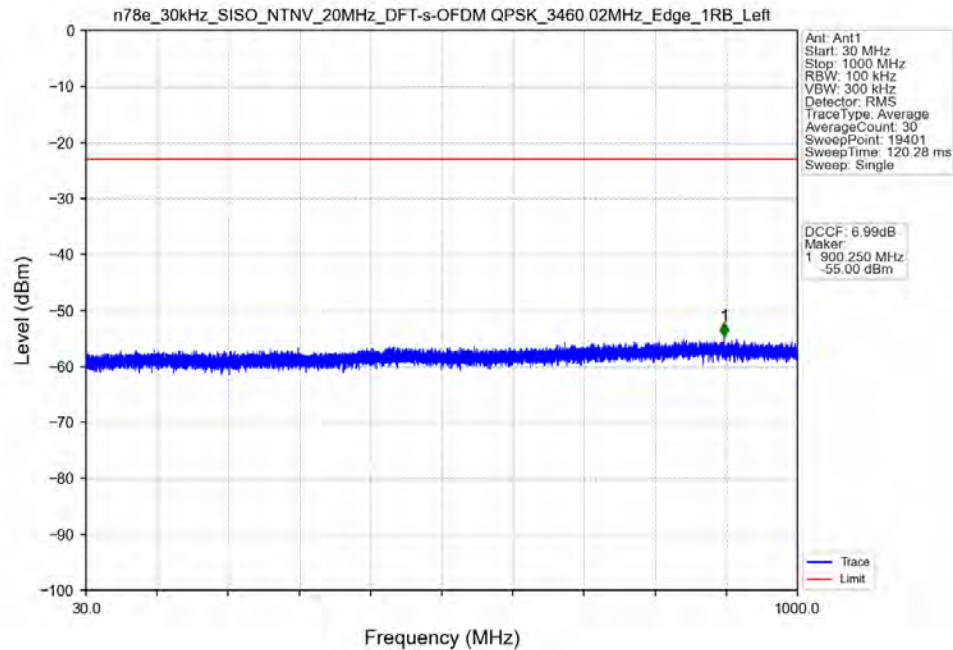


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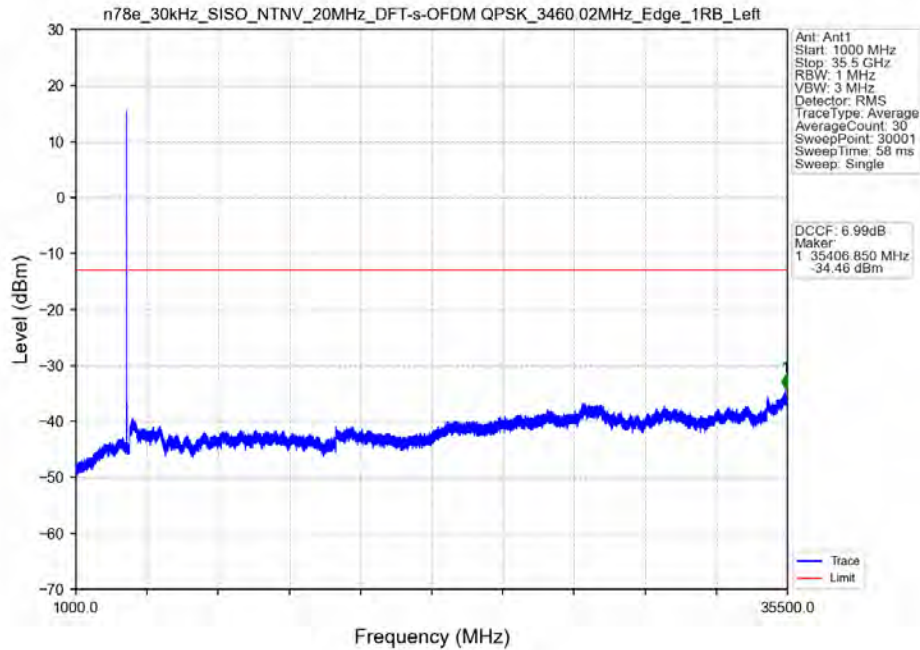
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n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3460.02MHz_Outer_Full



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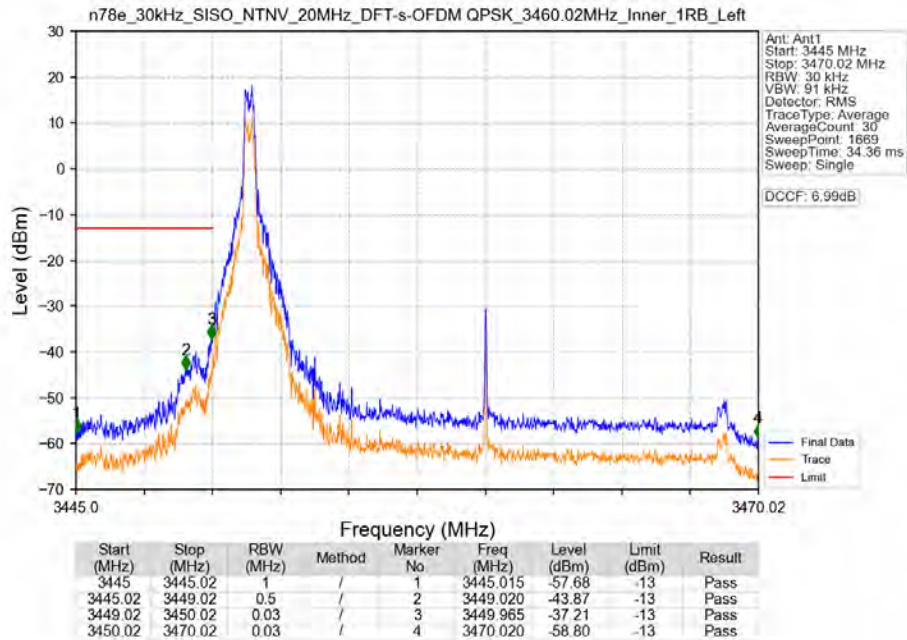
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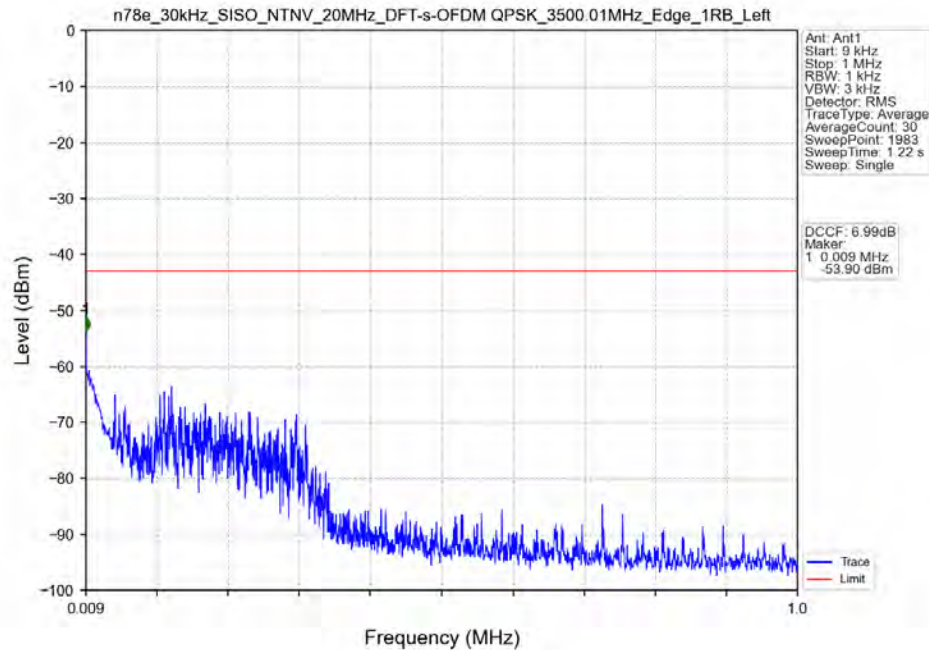


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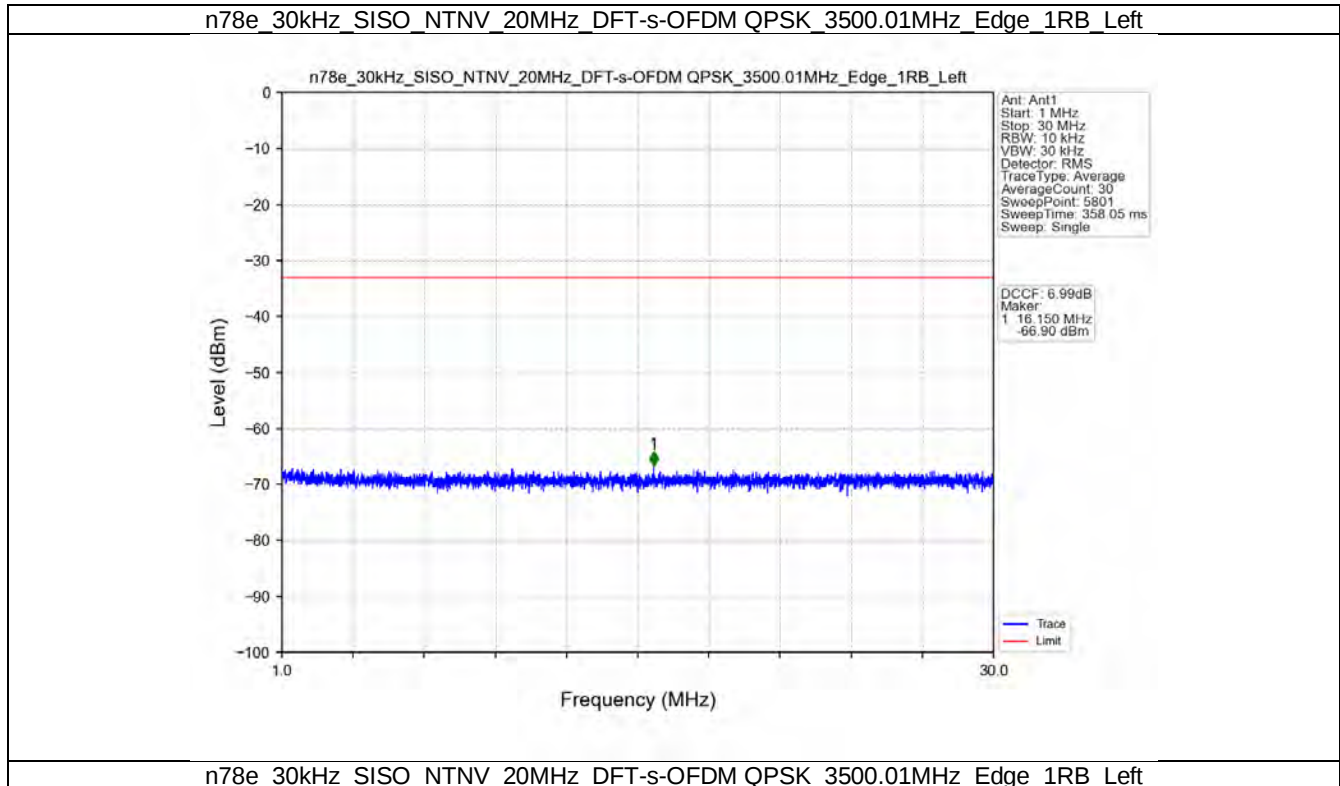


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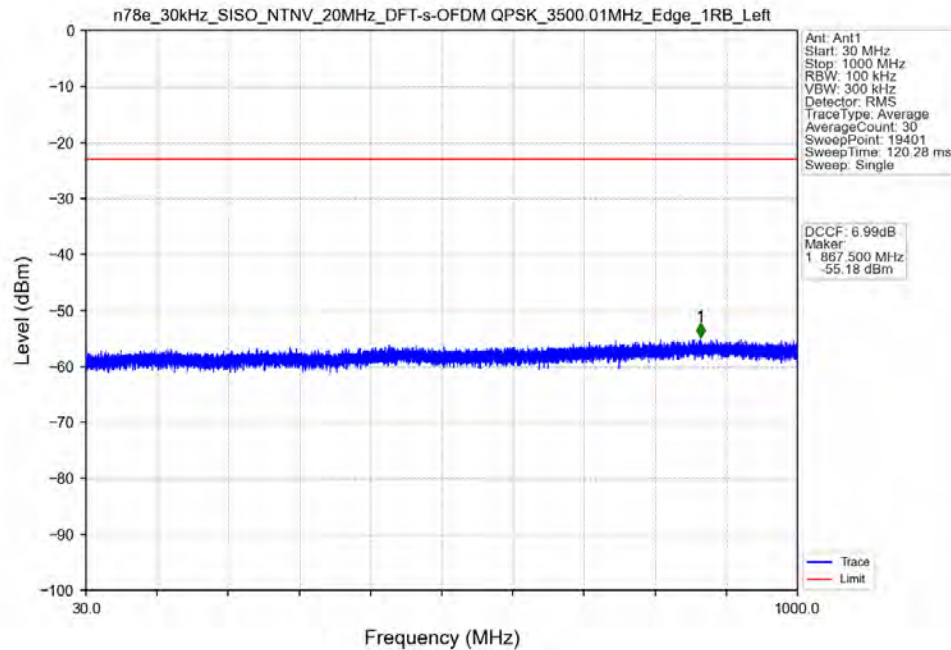


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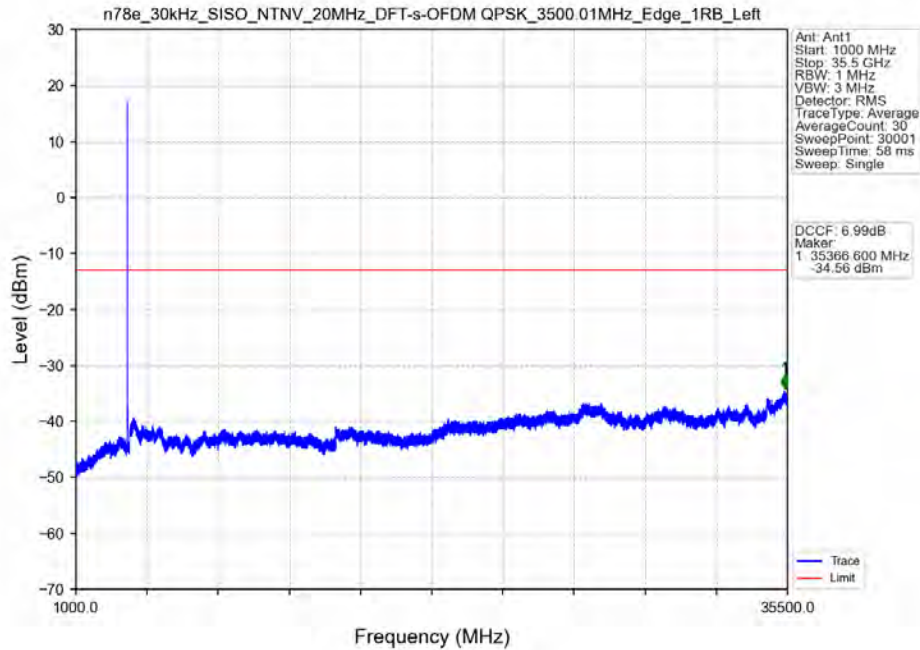
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n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3540MHz_Edge_1RB_Right



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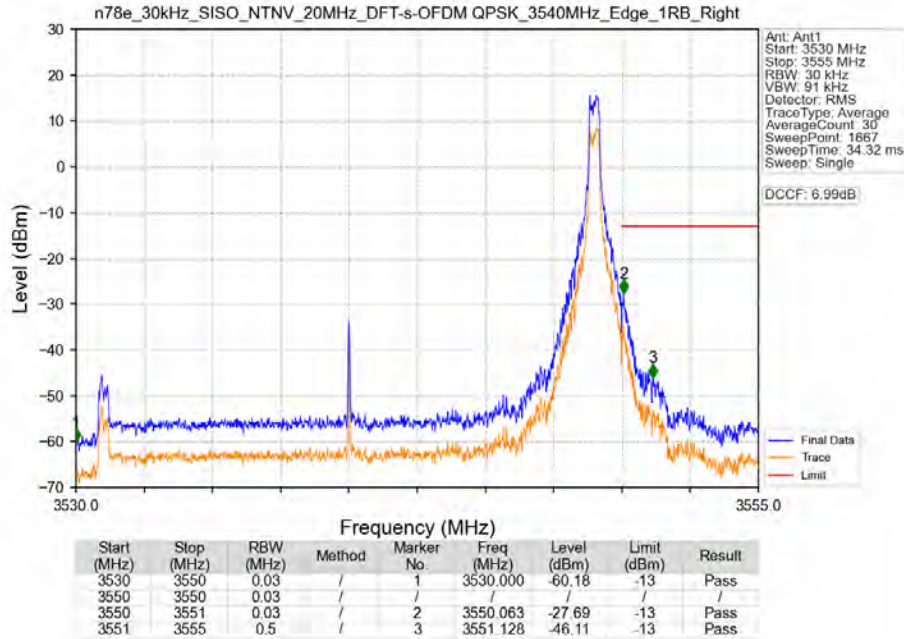


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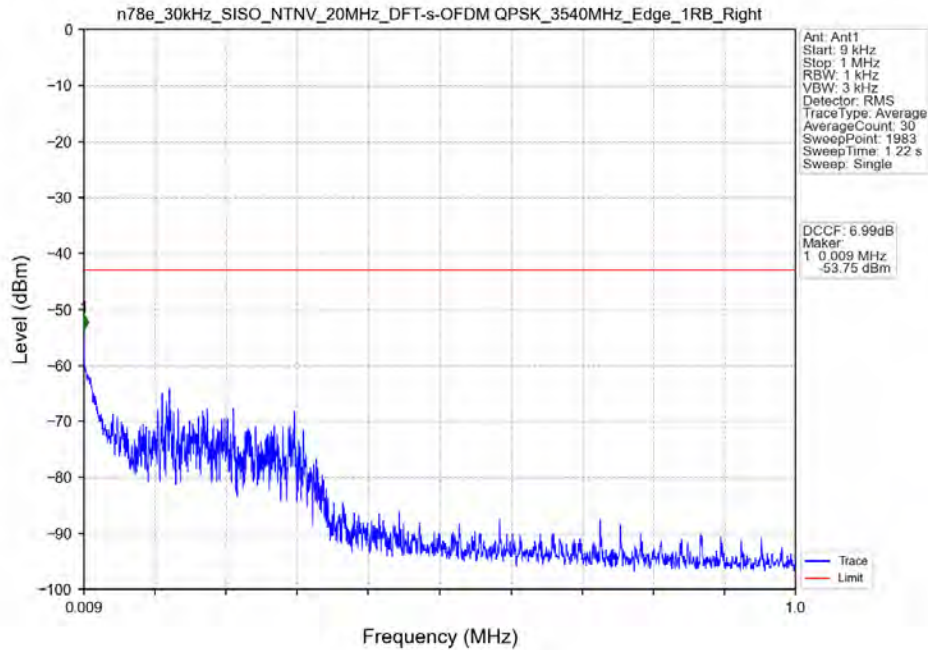
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n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3540MHz_Edge_1RB_Right



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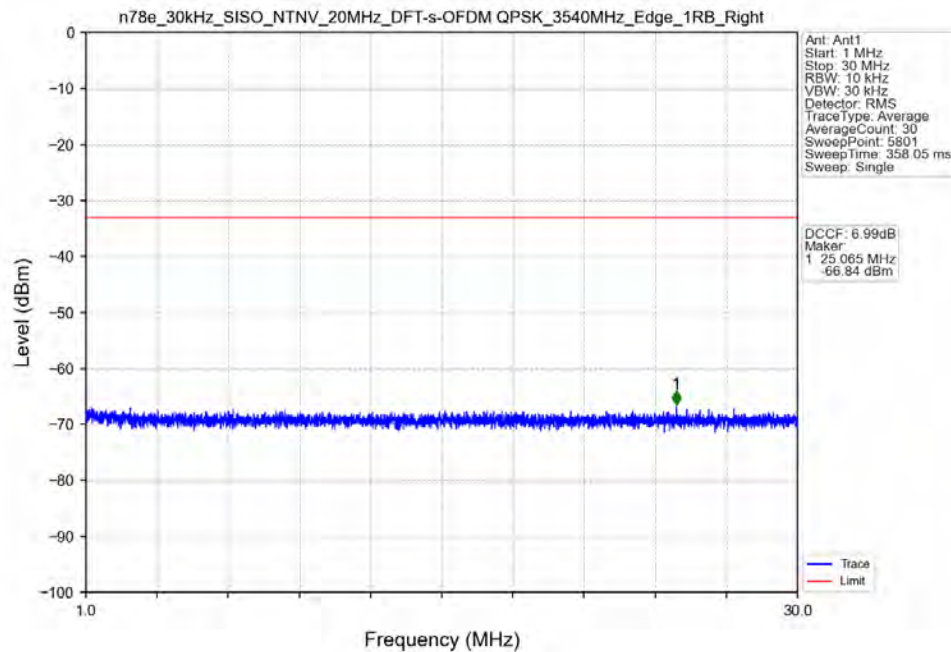


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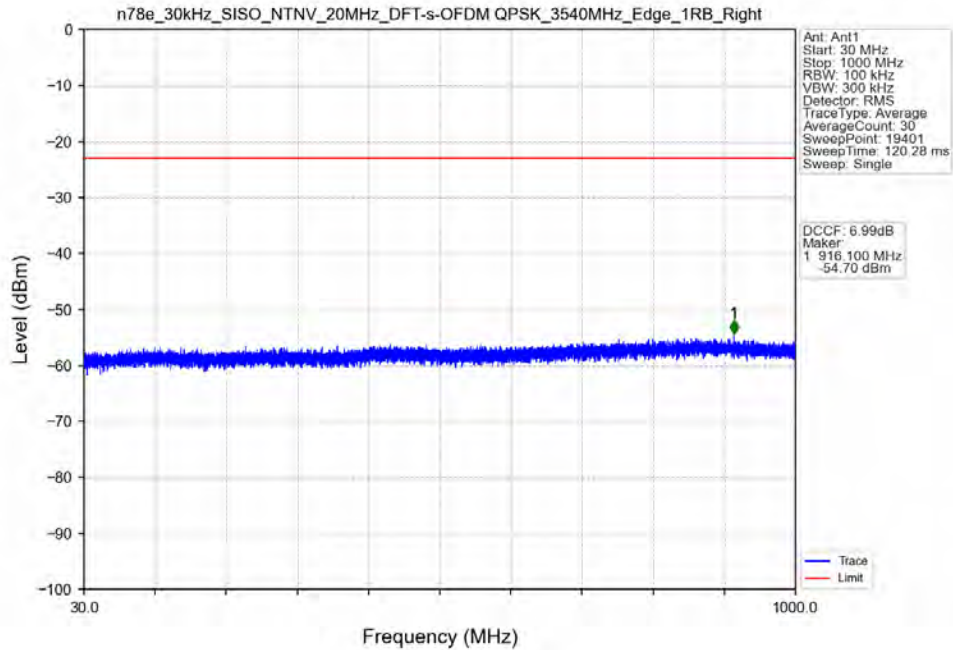
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n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3540MHz_Edge_1RB_Right



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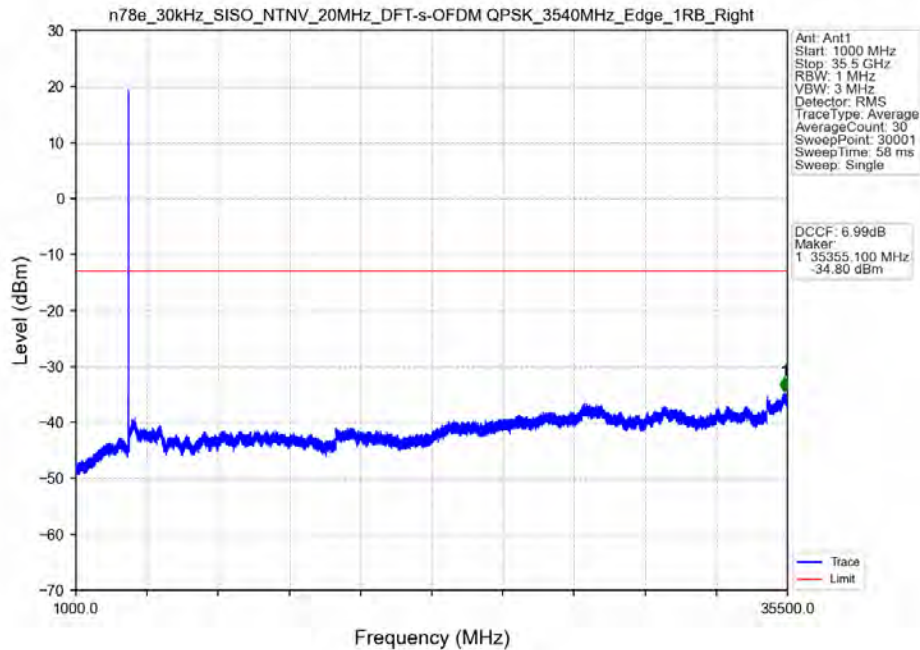


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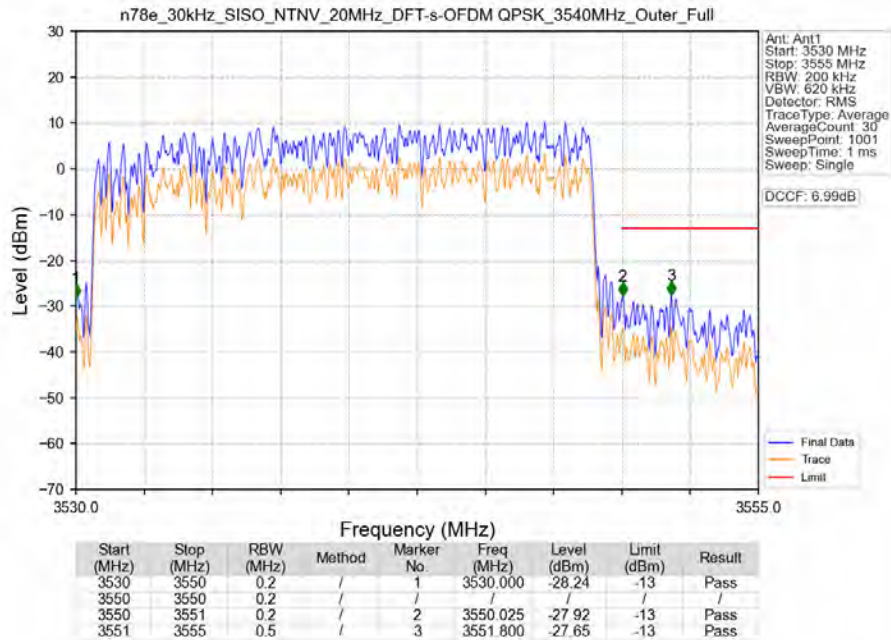
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n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3540MHz_Inner_1RB_Right



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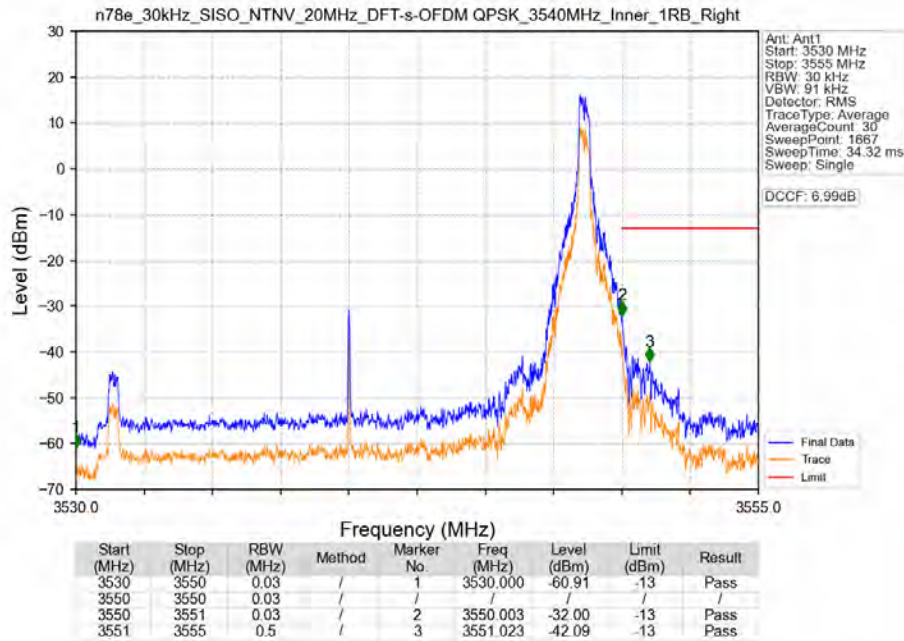


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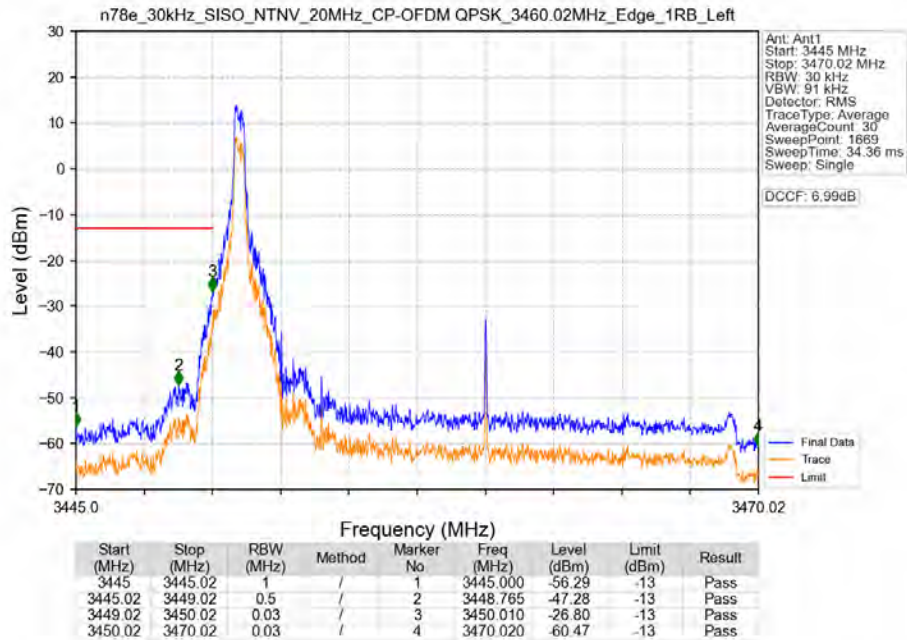
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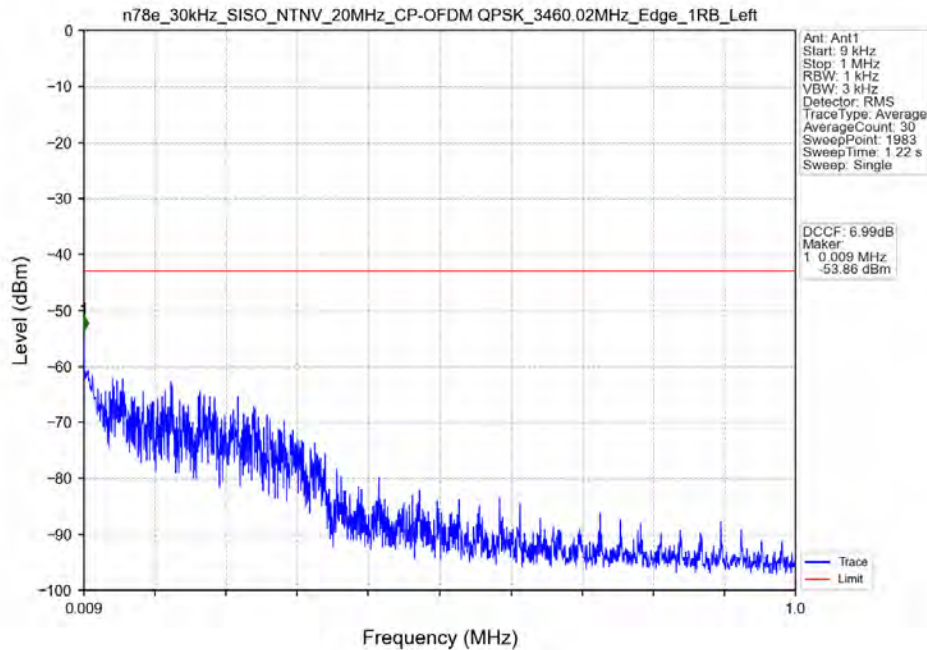


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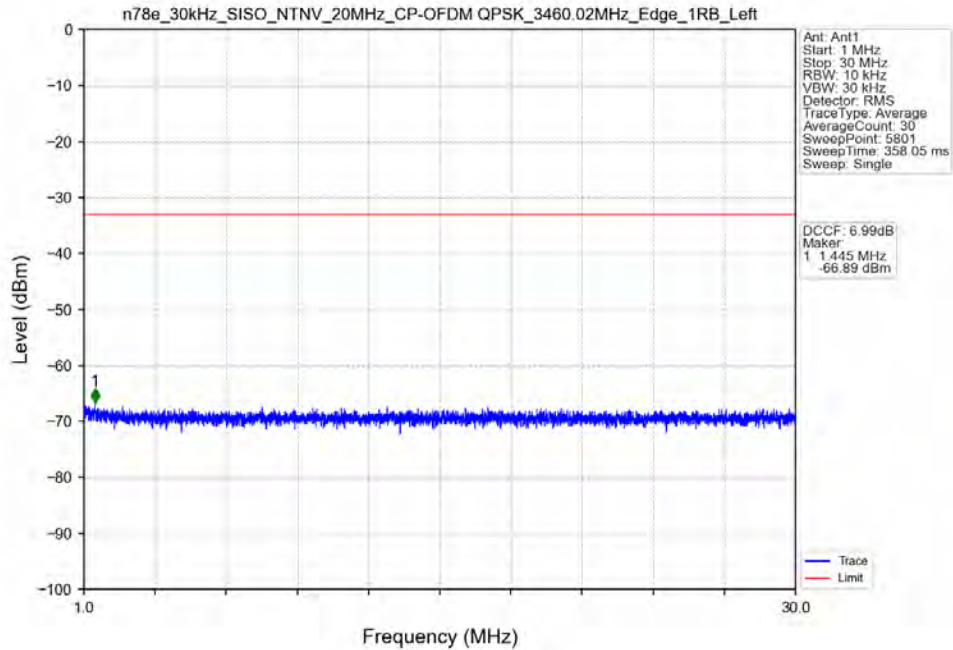
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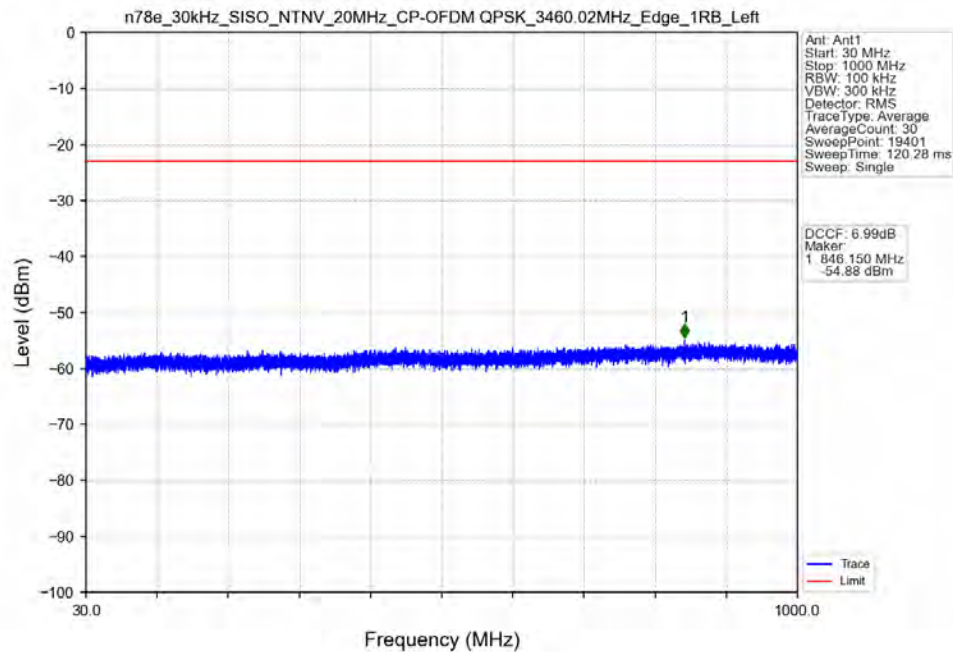


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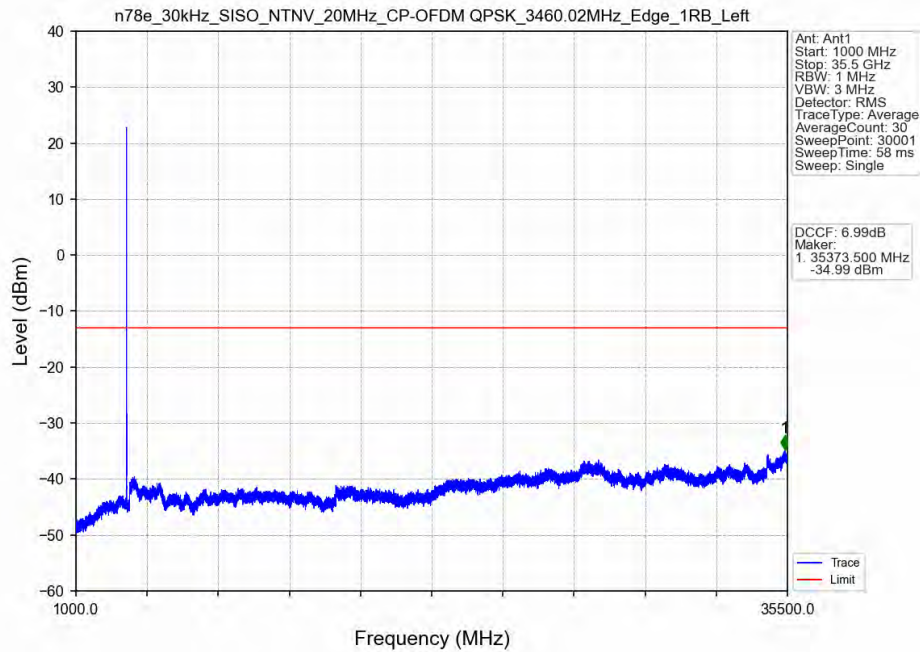
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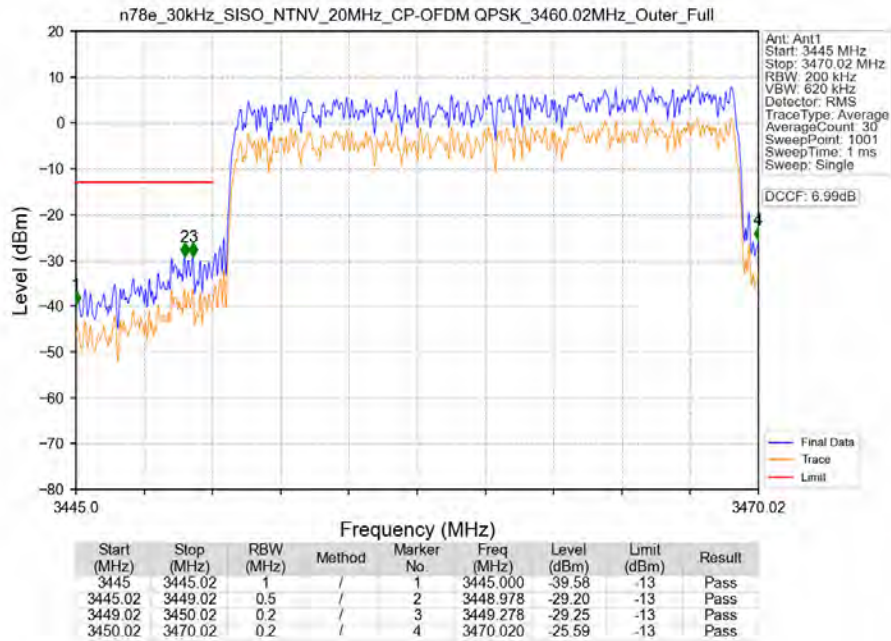


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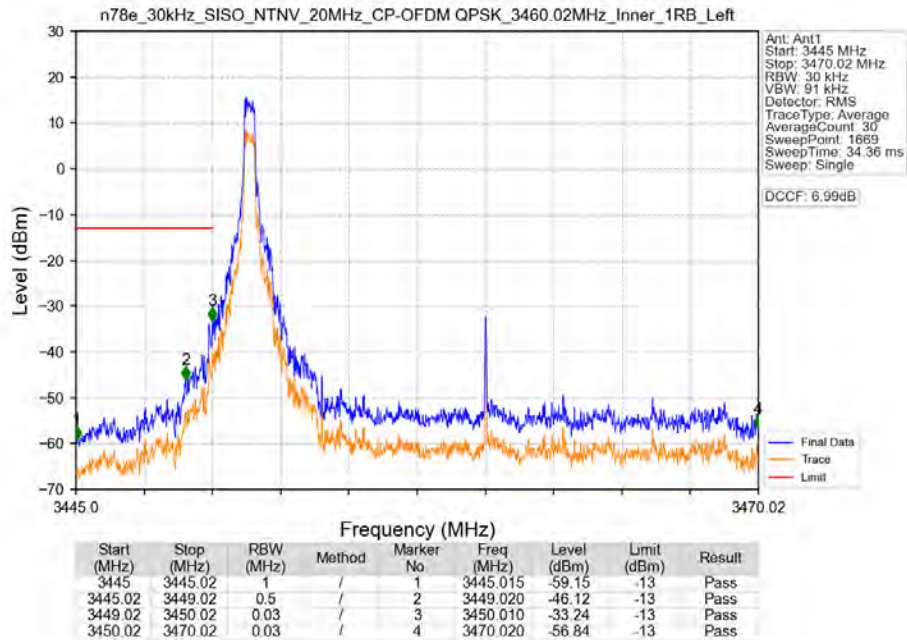
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n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3460.02MHz_Inner_1RB_Left



n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3500.01MHz_Edge_1RB_Left



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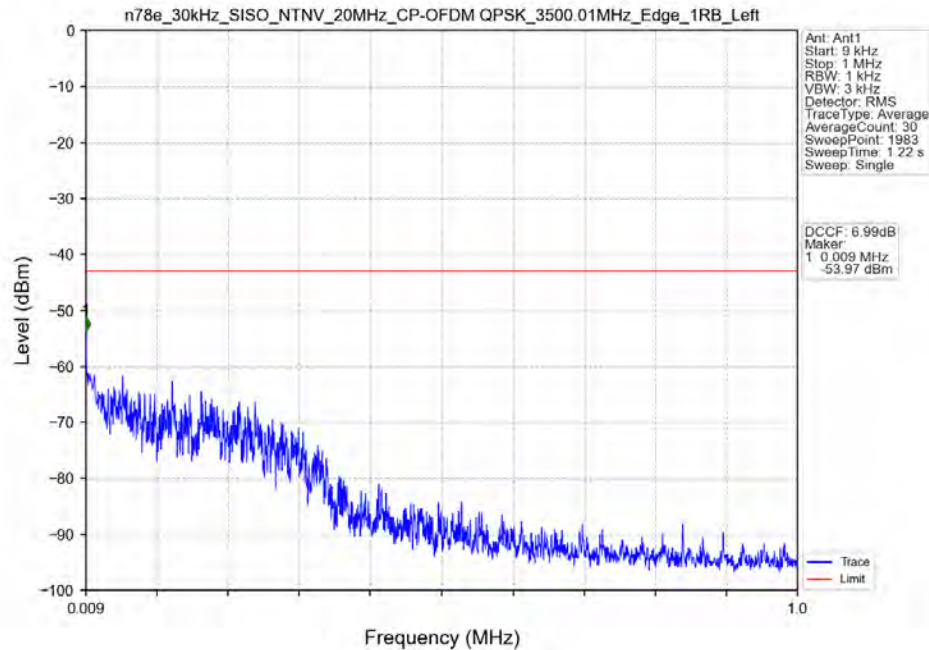


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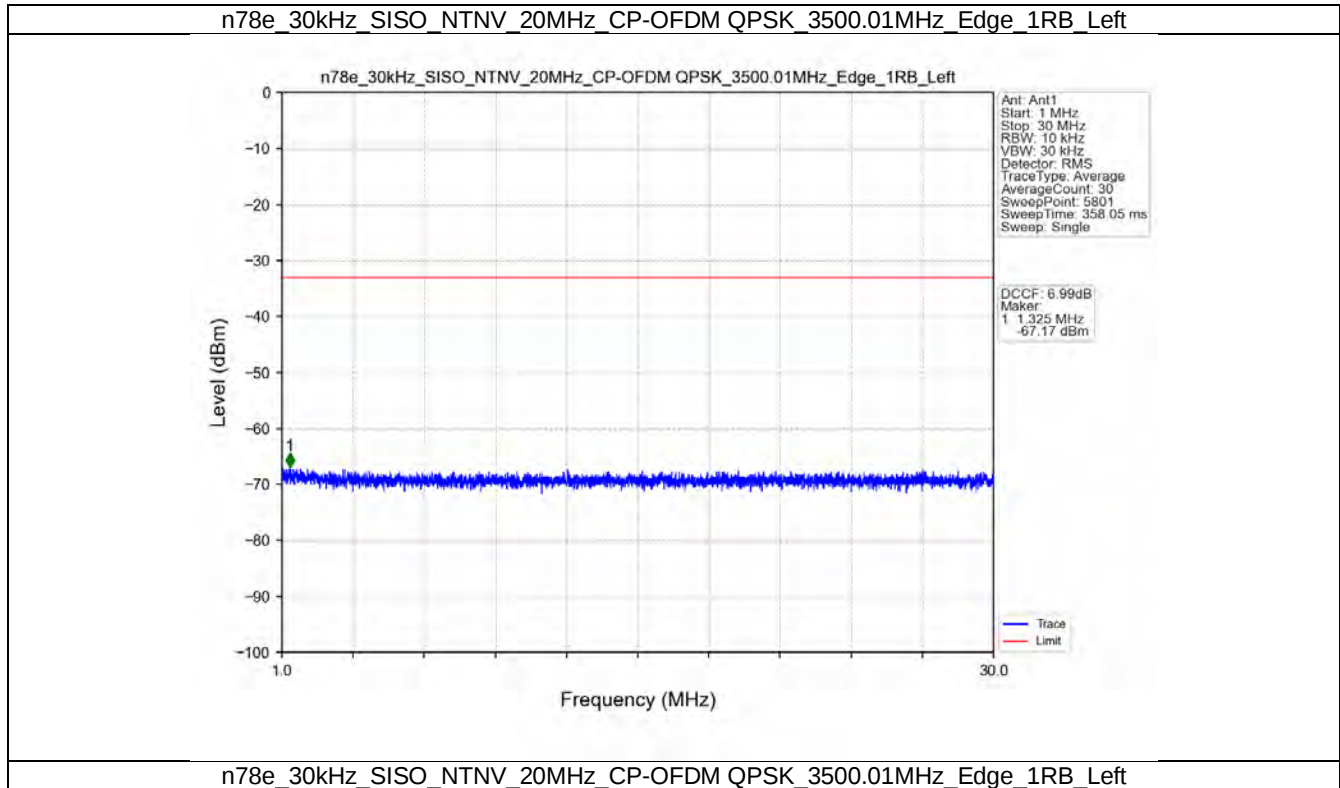


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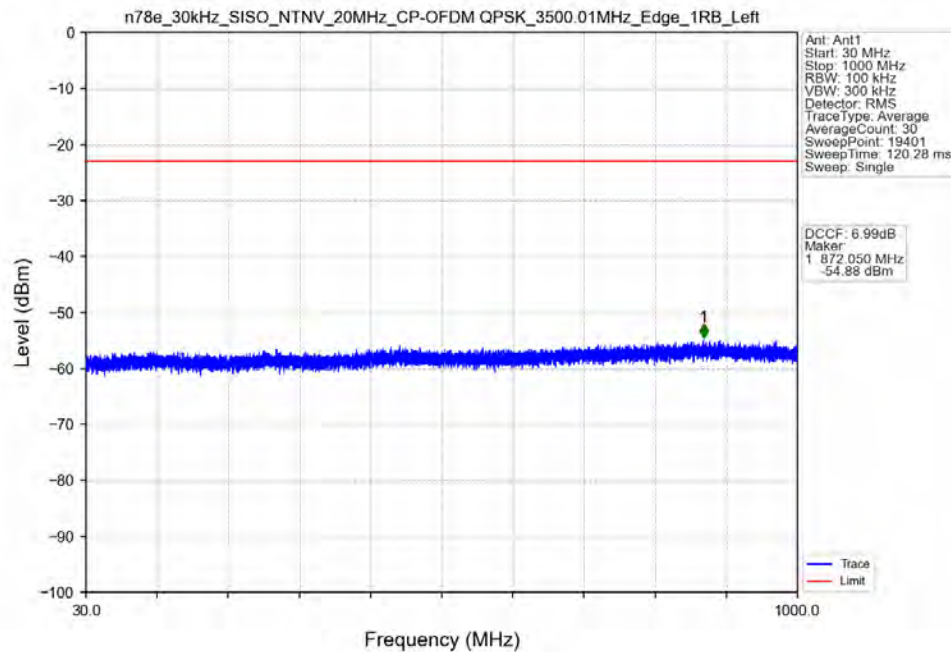


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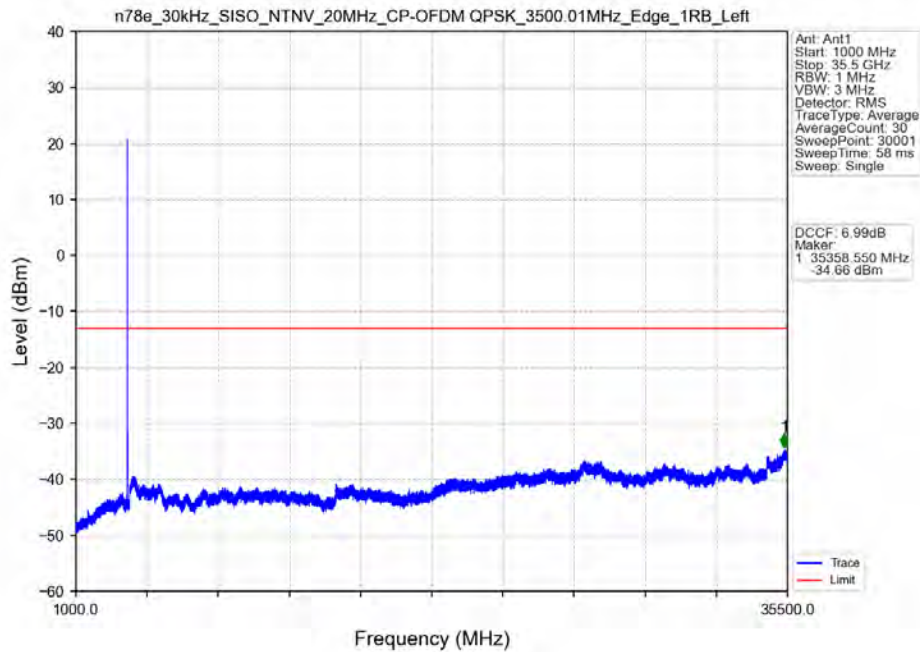
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n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3540MHz_Edge_1RB_Right



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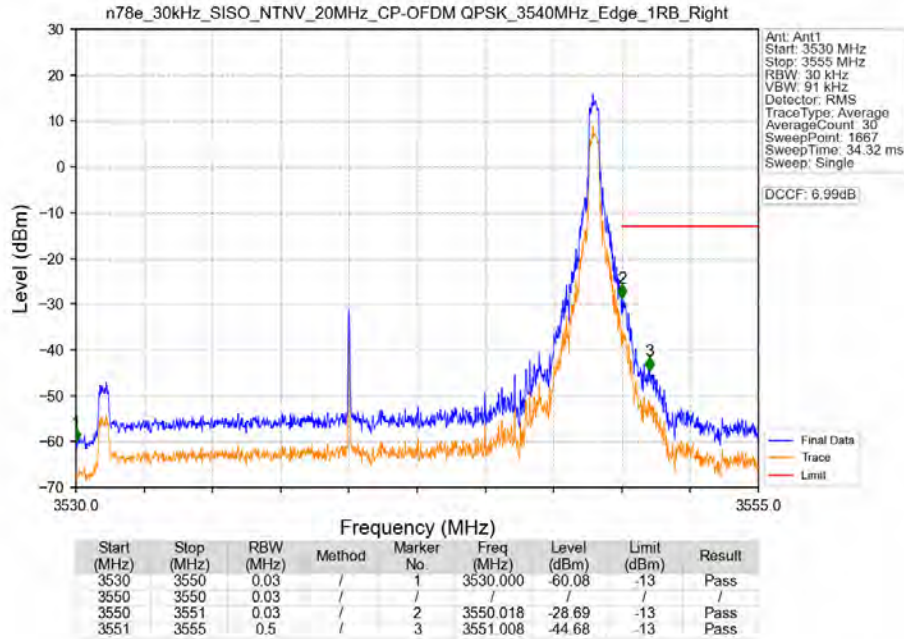


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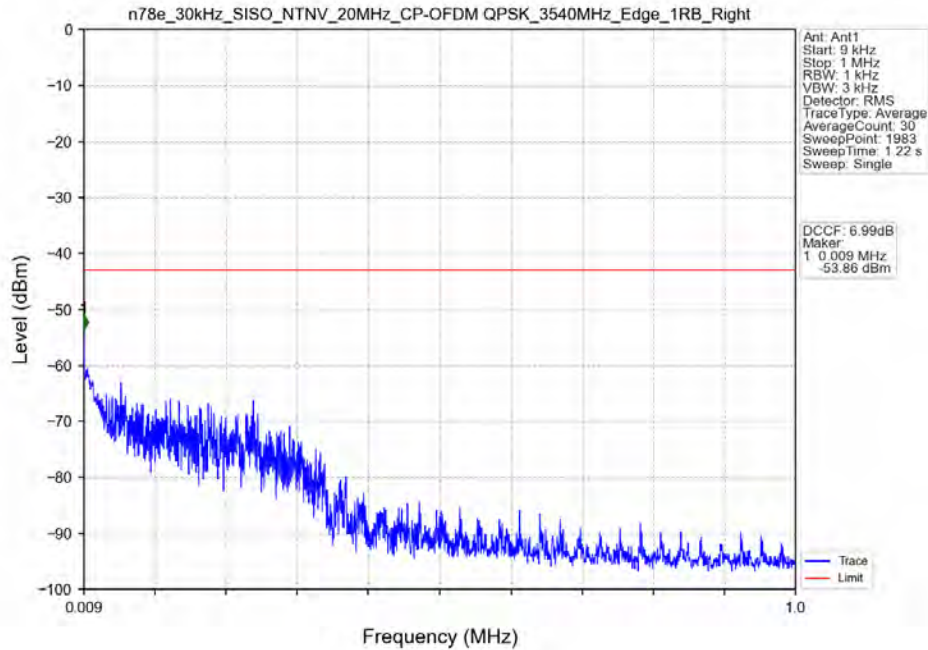
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n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Edge_1RB_Right



n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Edge_1RB_Right



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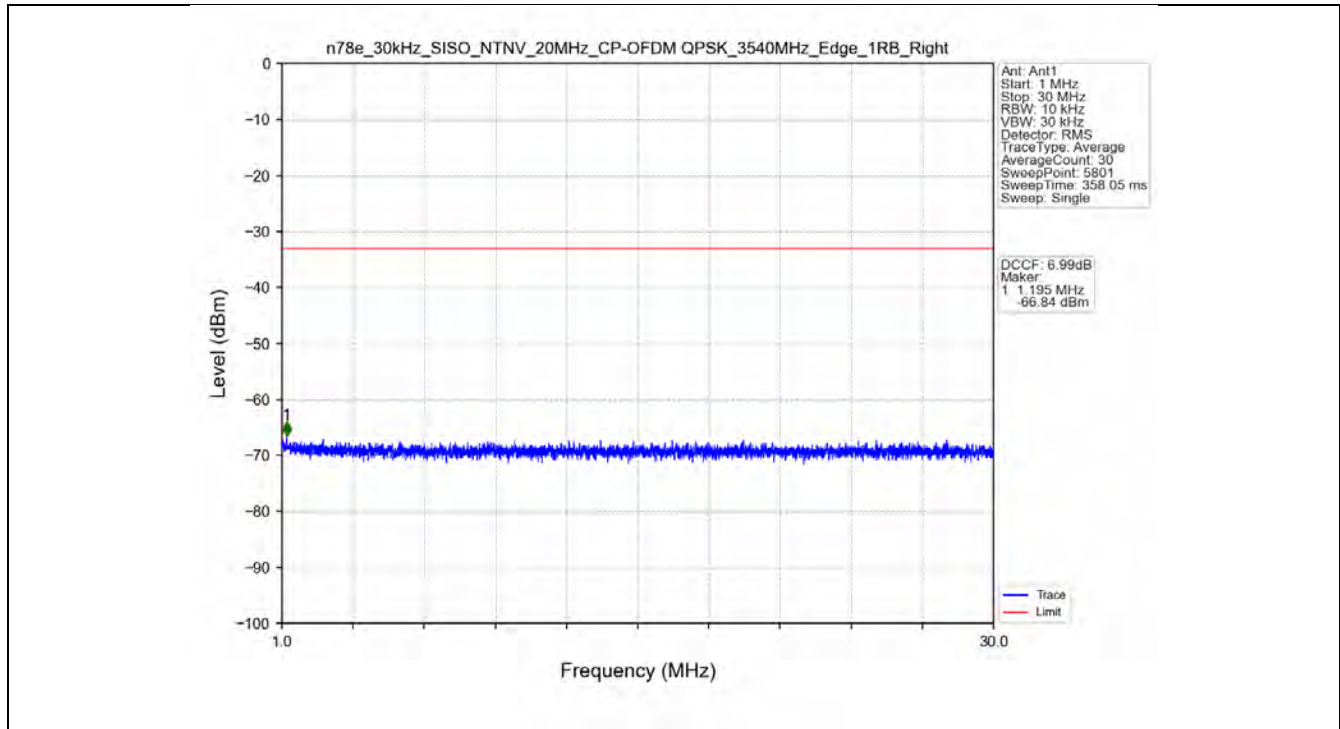


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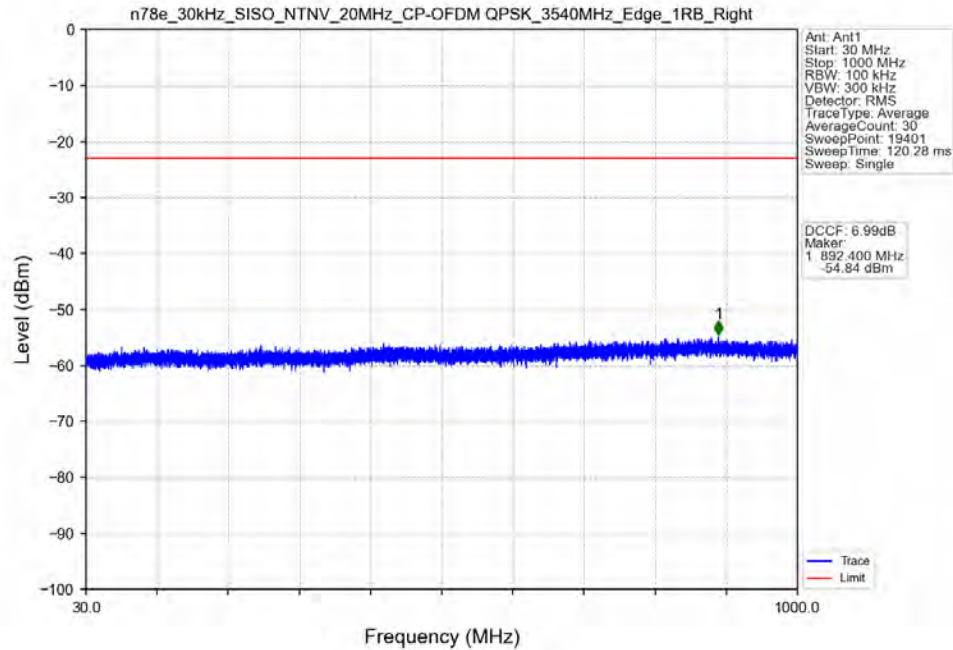
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n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3540MHz_Edge_1RB_Right



n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3540MHz_Edge_1RB_Right



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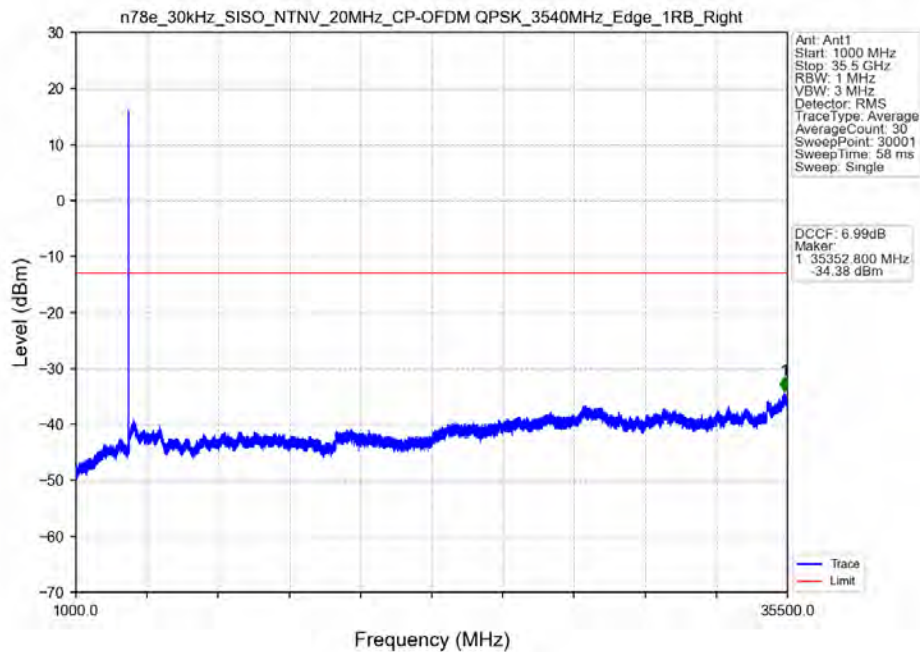


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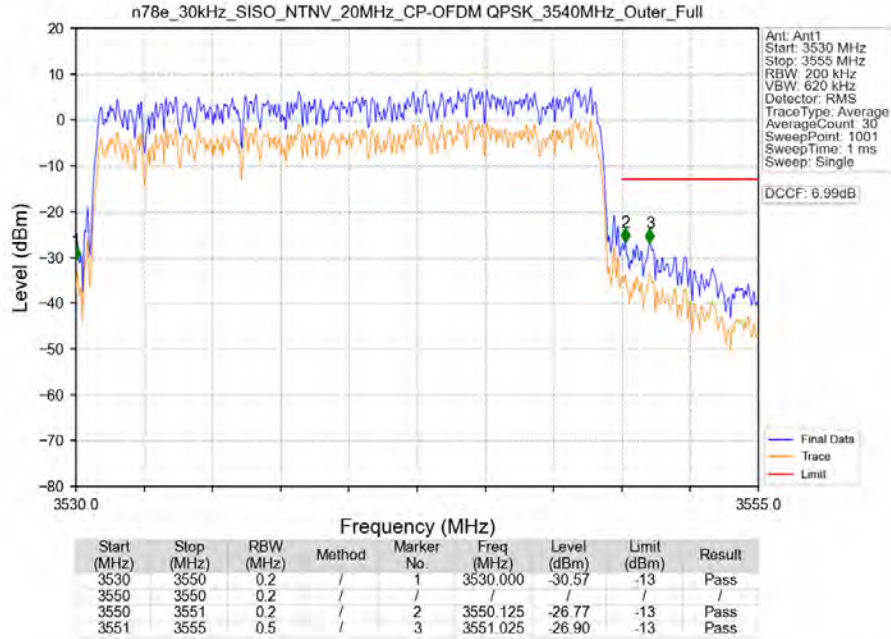
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n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3540MHz_Inner_1RB_Right



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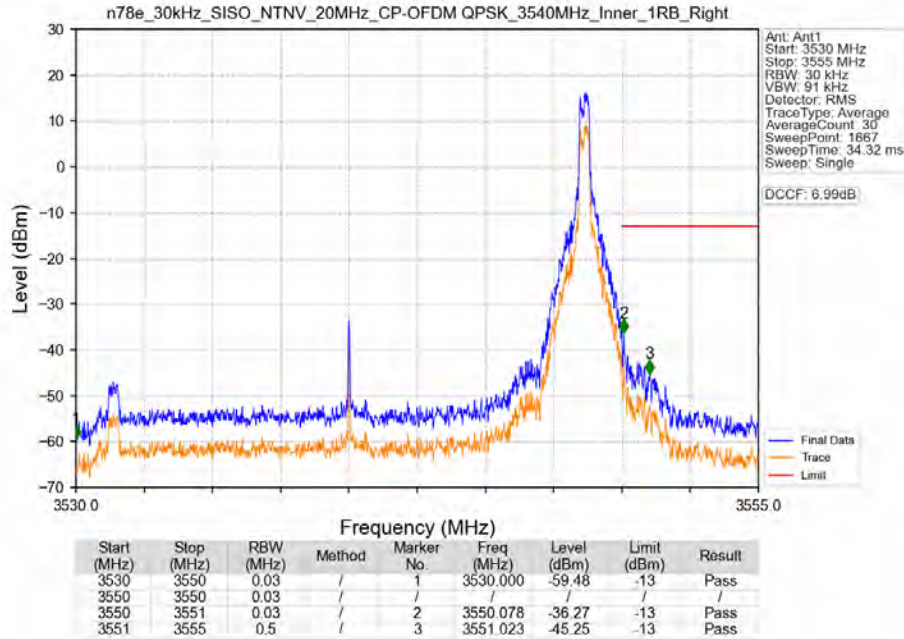


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5.2 30k_SISO_30MHz_NTNV

5.2.1 Test Result

5G NR n78e SCS=30kHz SISO 30MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant1	Ant4	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	
	3500.01	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	
	3500.01	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	
		Edge_1RB_Left	Refer To Test Graph				Pass	
	3500.01	Outer_Full	Refer To Test Graph				Pass	
		3534.99	Edge_1RB_Left	Refer To Test Graph				Pass
			Edge_1RB_Right	Refer To Test Graph				Pass



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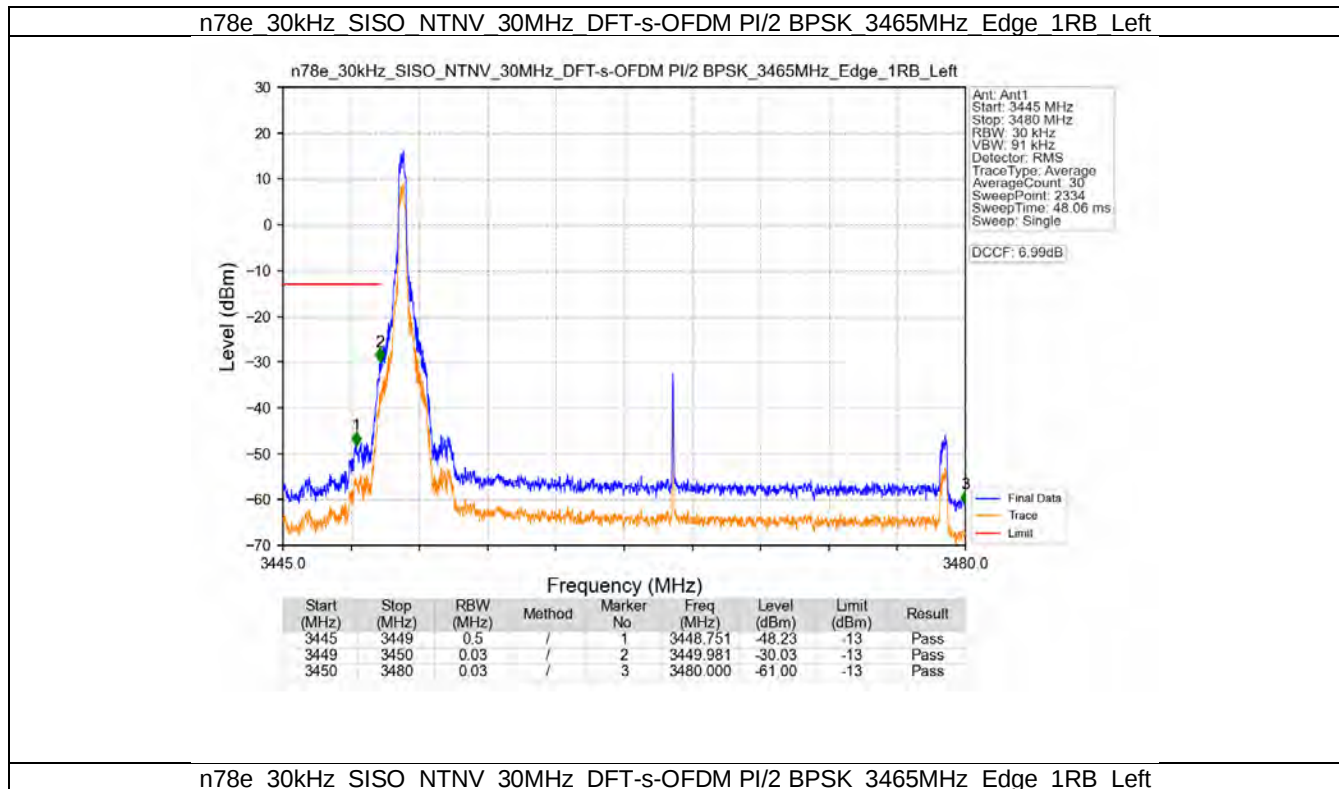
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5.2.2 Test Graph



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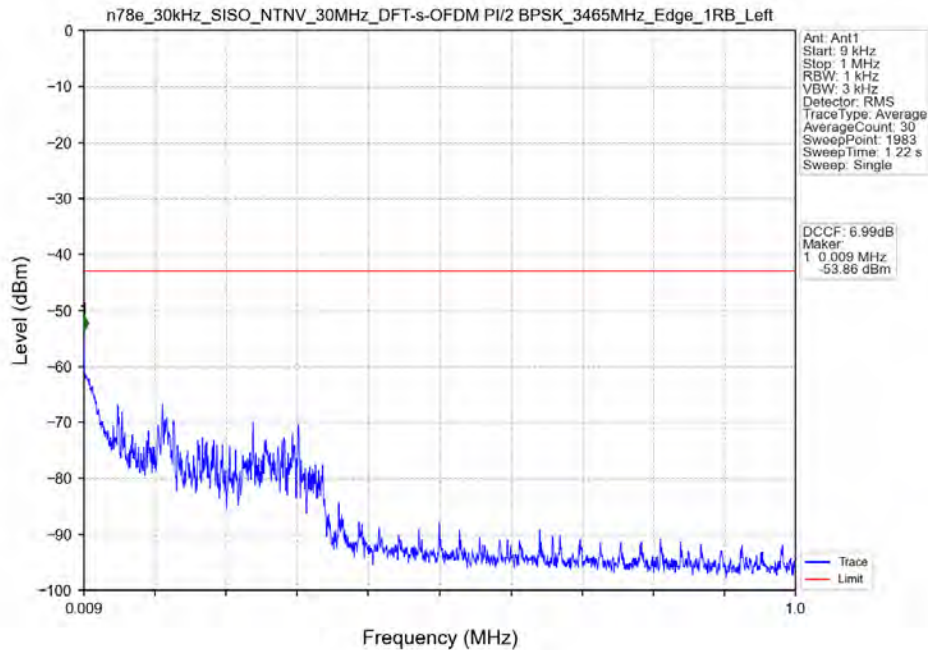


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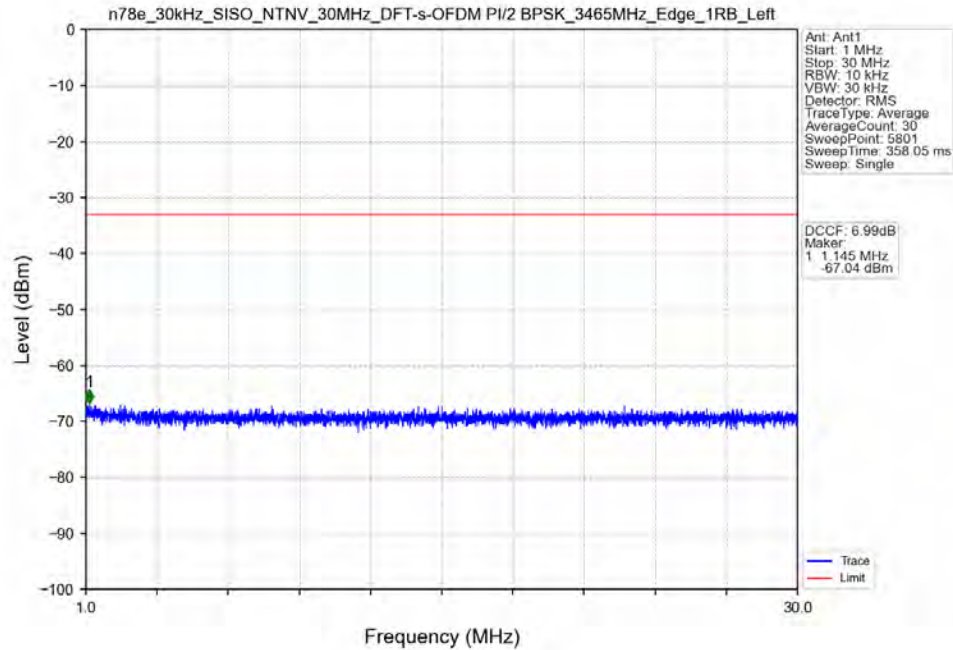
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n78e_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Edge_1RB_Left



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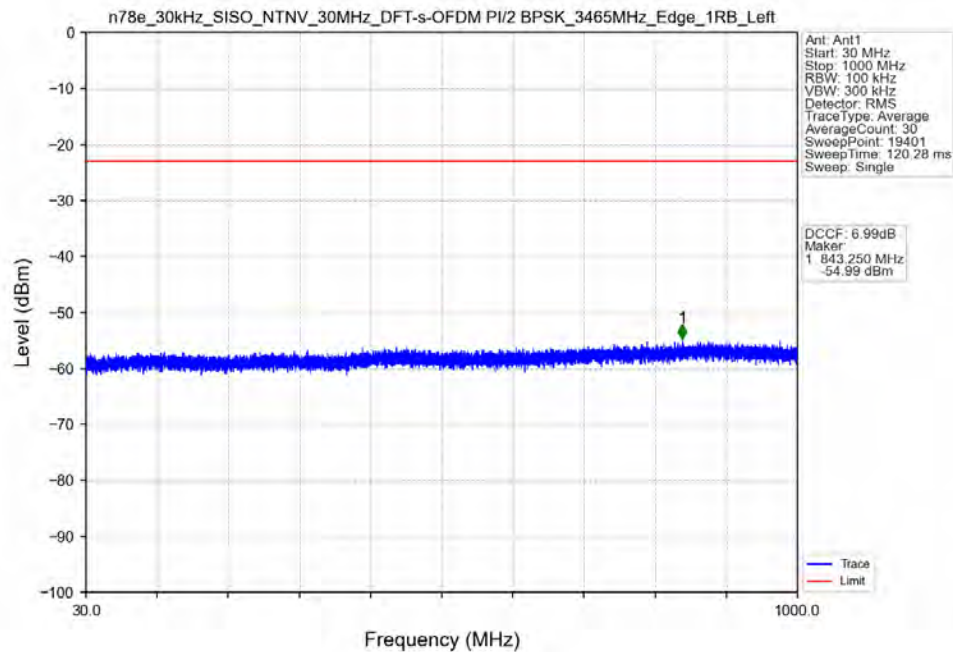


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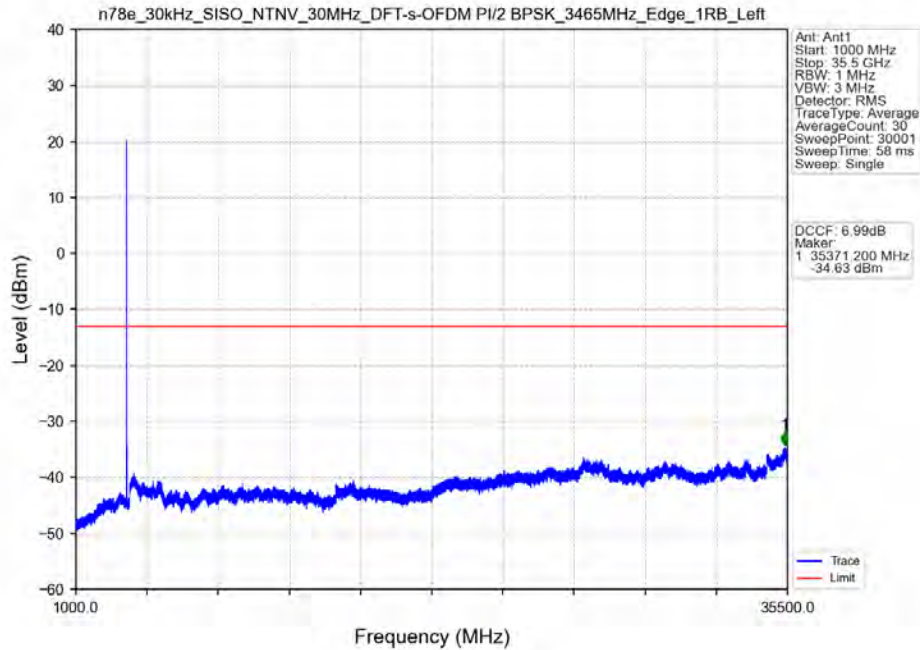
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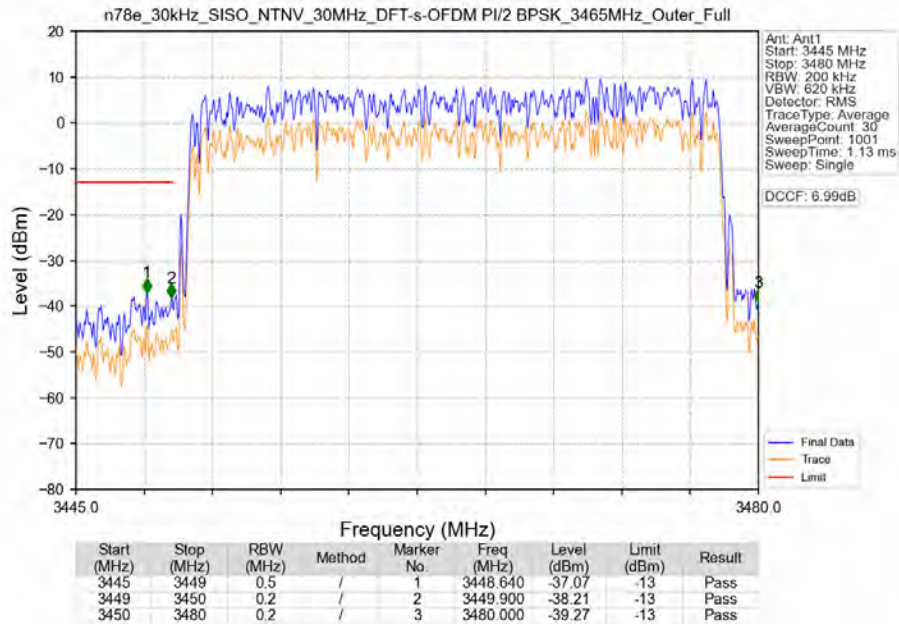


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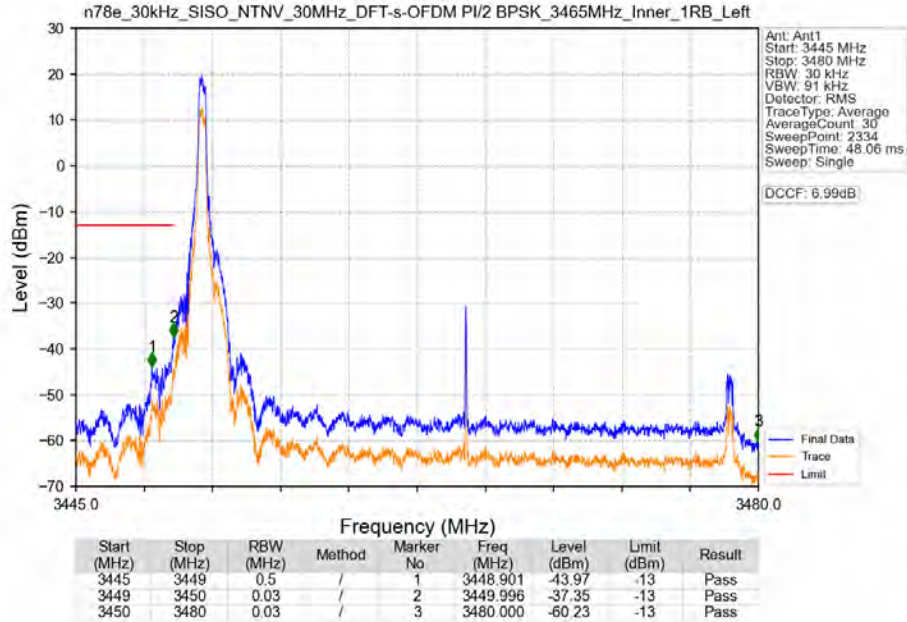
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n78e_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



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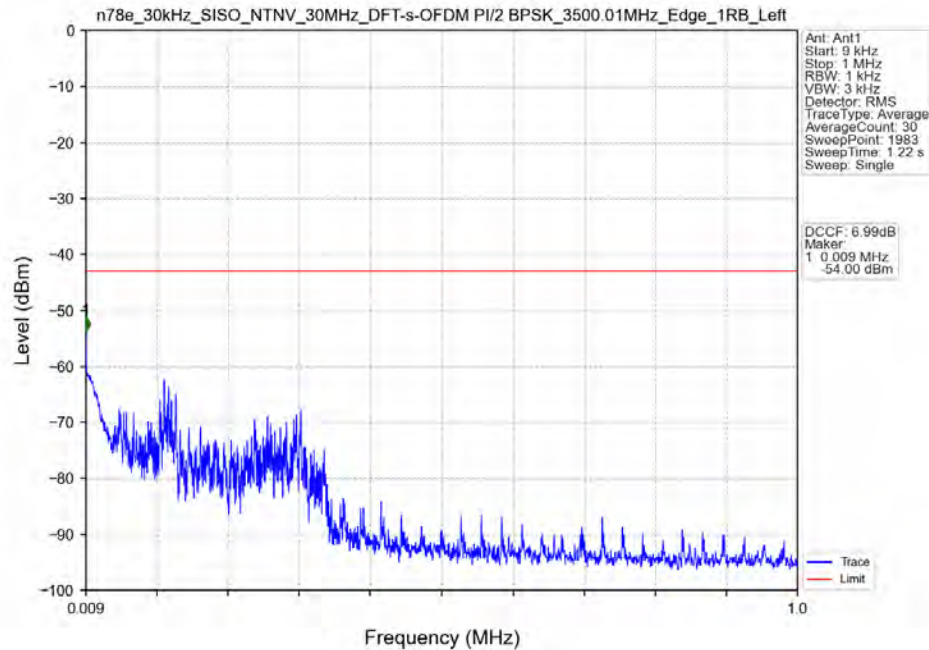


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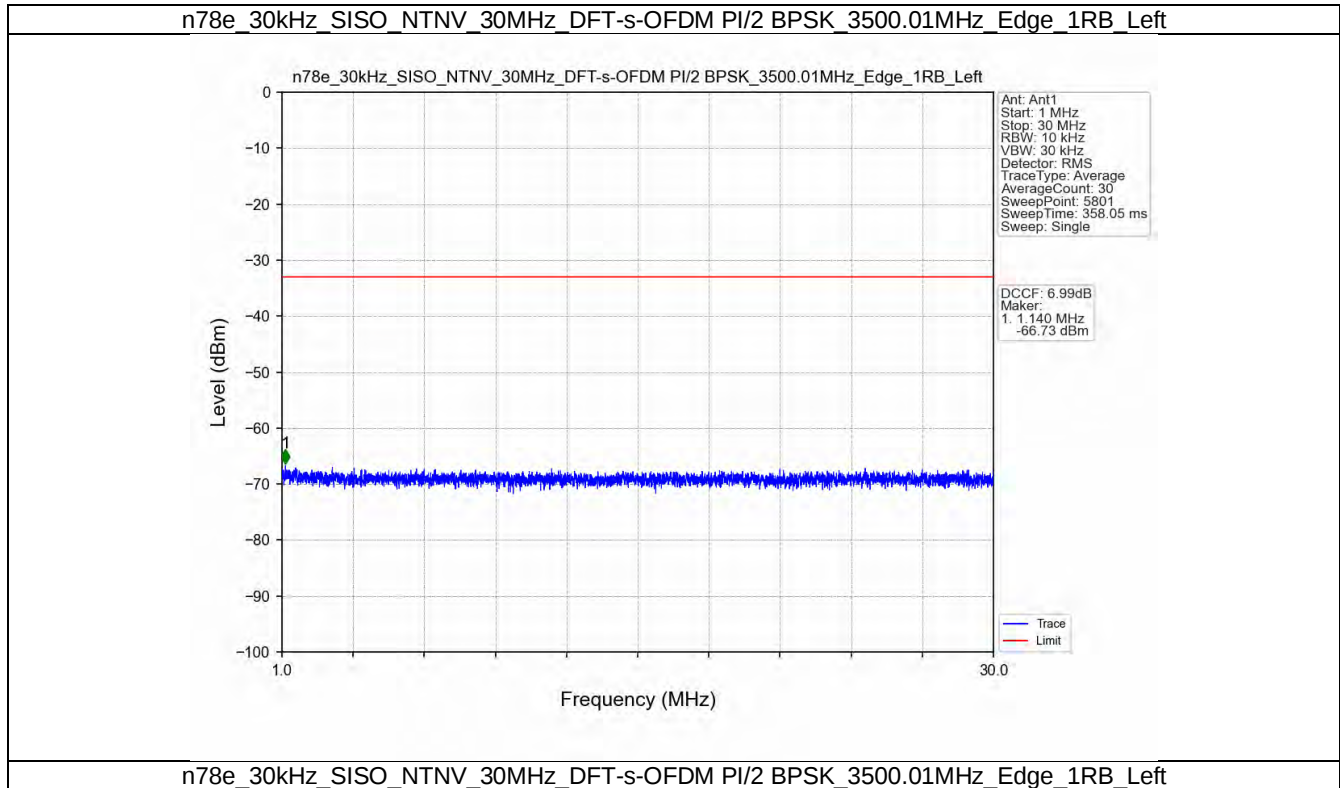


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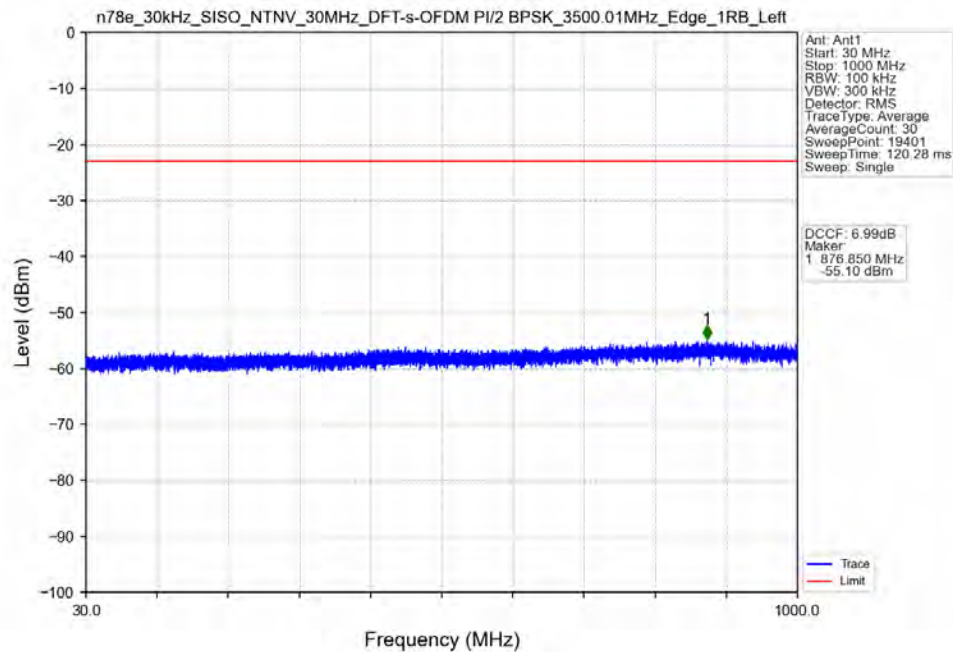


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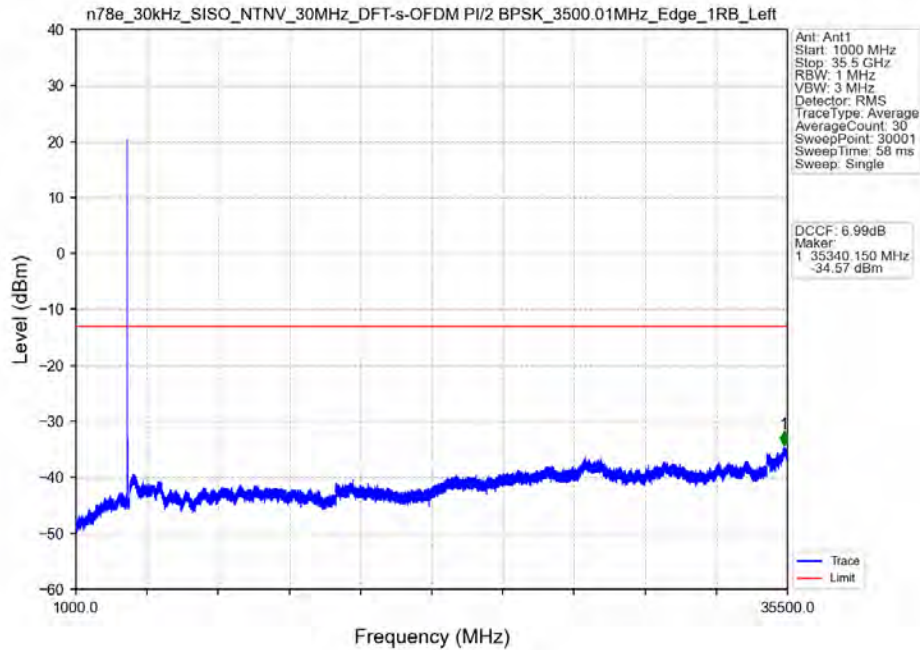
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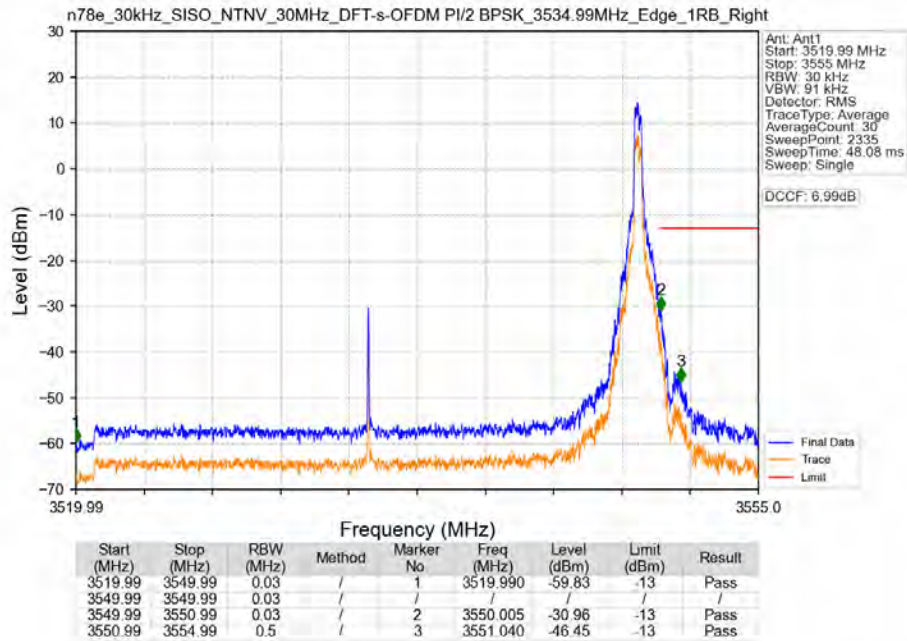


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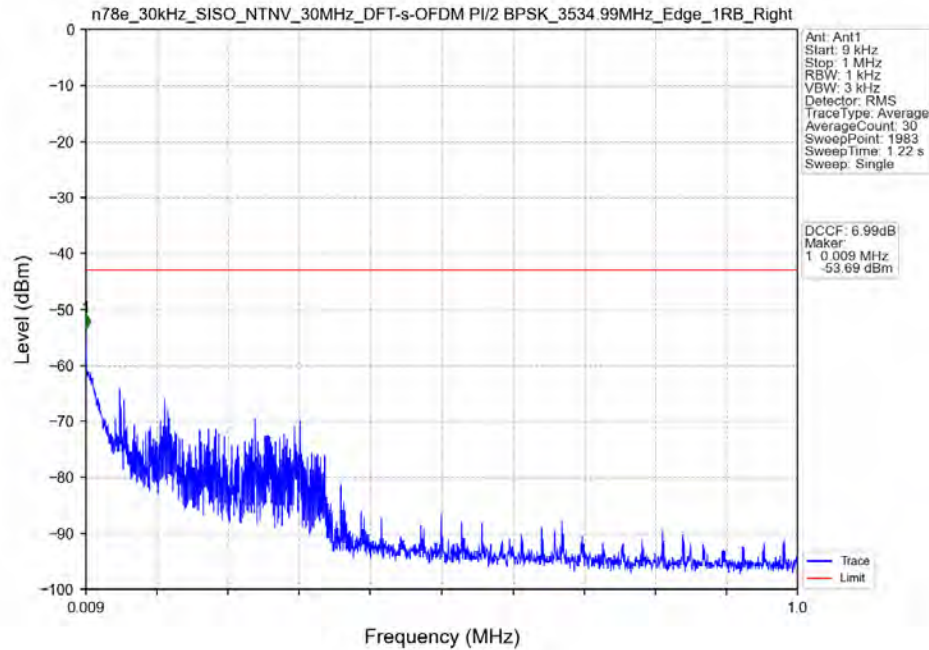
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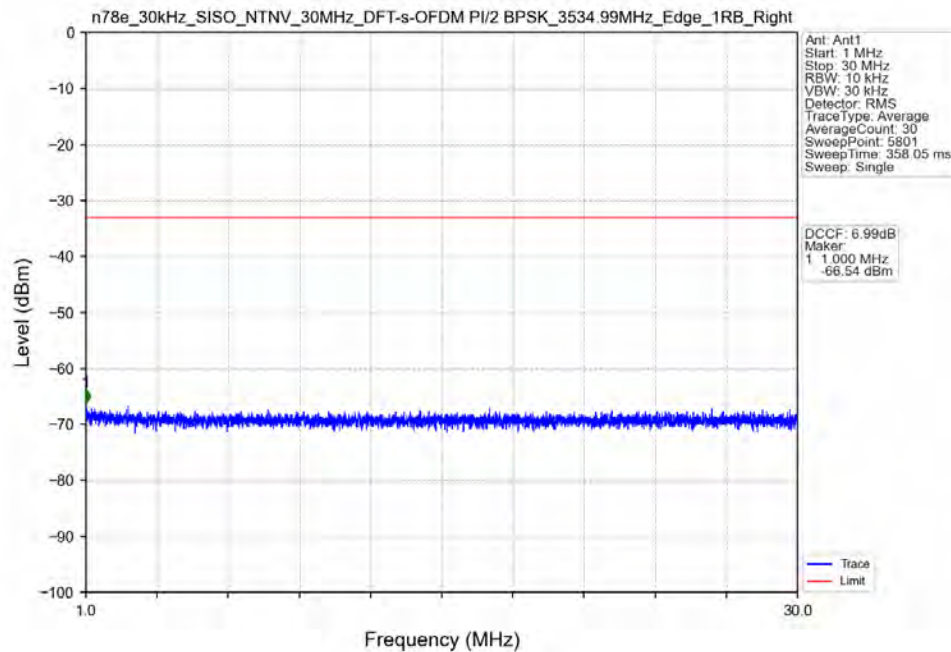


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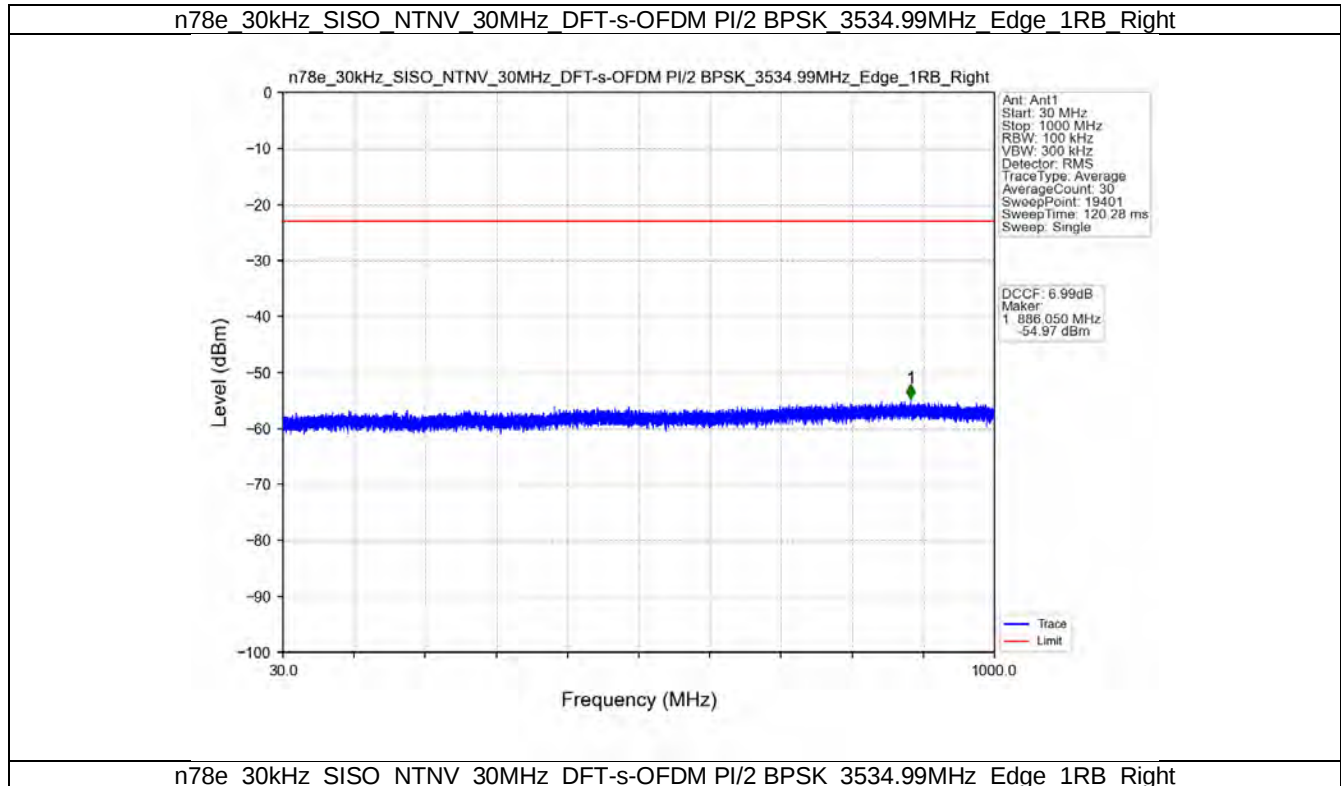


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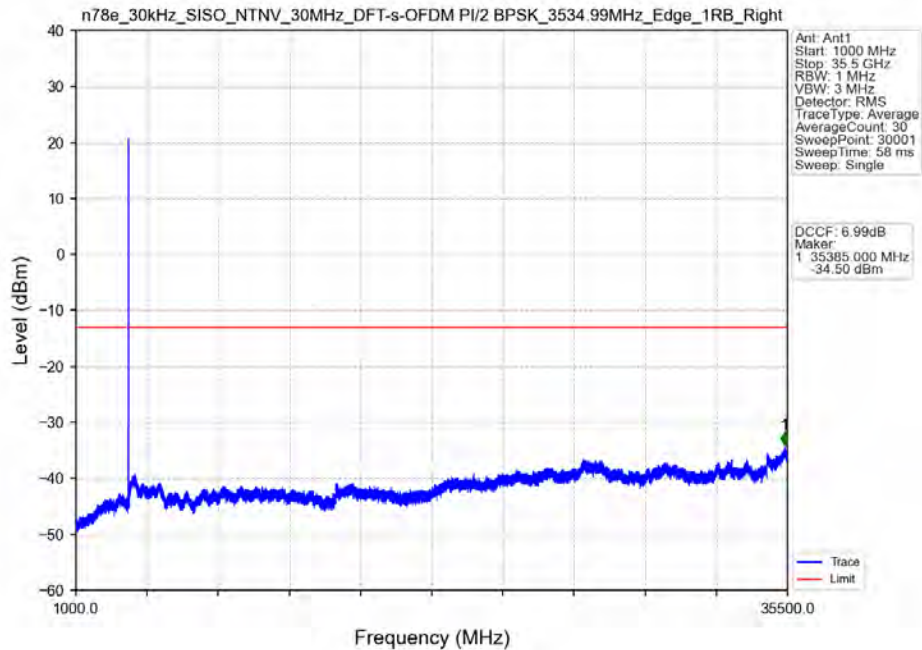


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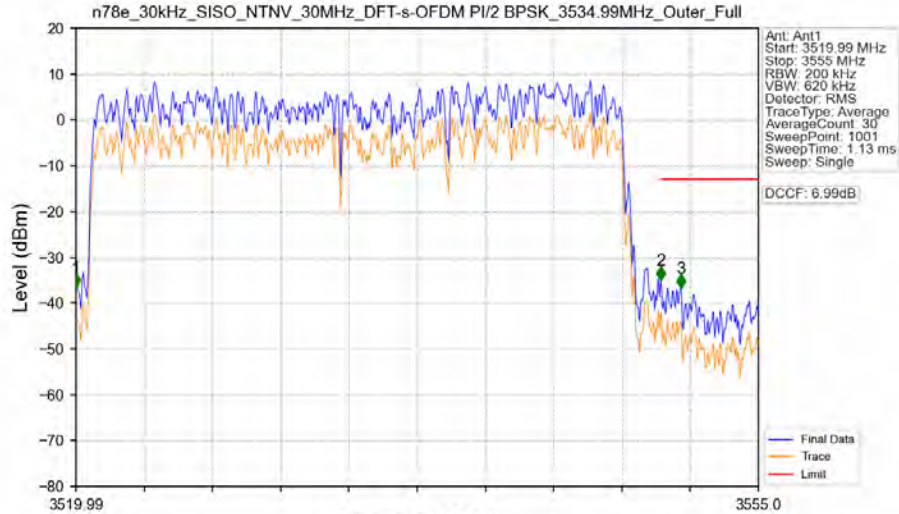
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n78e_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3534.99MHz_Outer_Full



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	-36.62	-13	Pass
3549.99	3549.99	0.2	/	/	/	/	/	/
3549.99	3550.99	0.2	/	2	3549.994	-34.97	-13	Pass
3550.99	3554.99	0.5	/	3	3551.009	-36.87	-13	Pass

n78e_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3534.99MHz_Inner_1RB_Right



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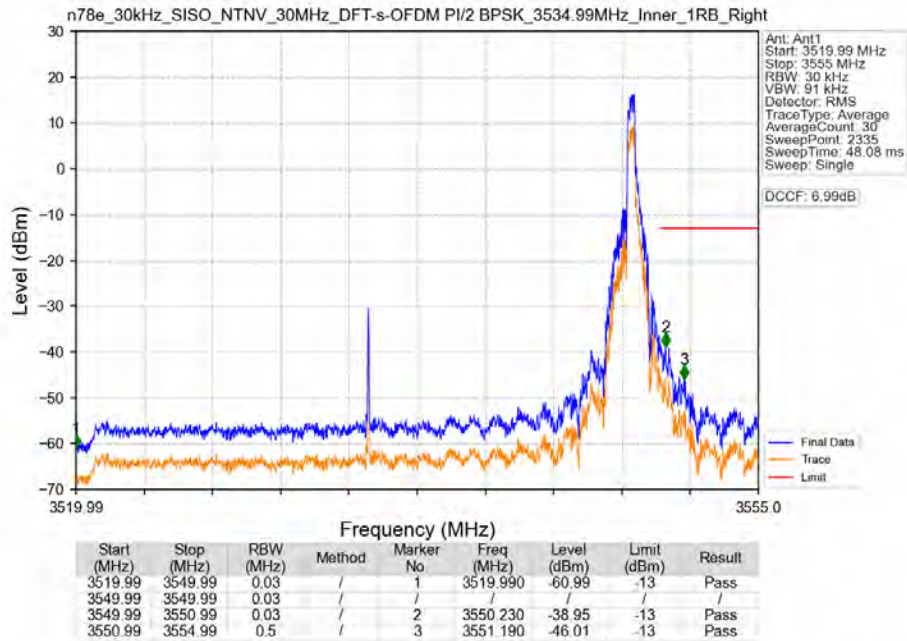


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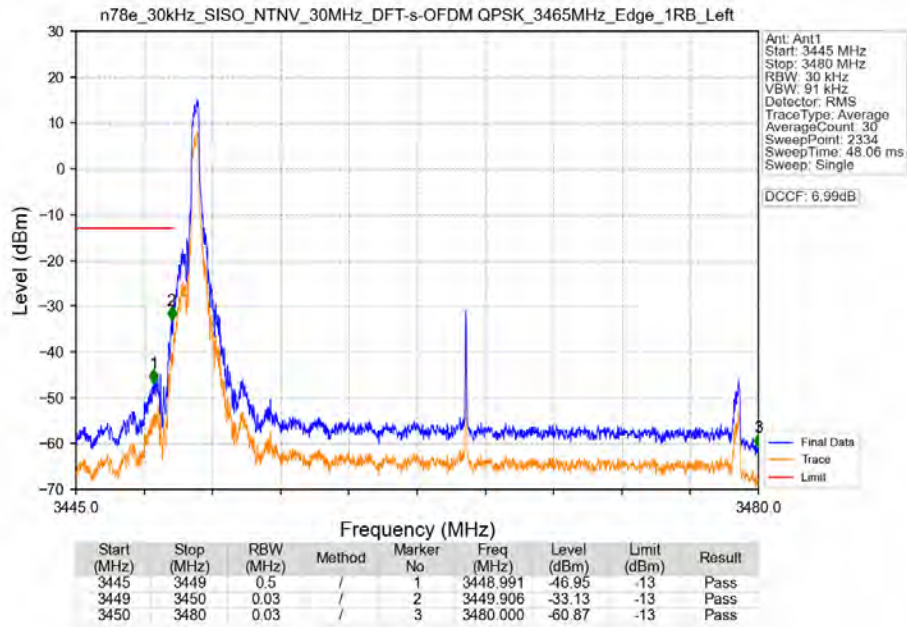
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n78e_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Edge_1RB_Left



n78e_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Edge_1RB_Left



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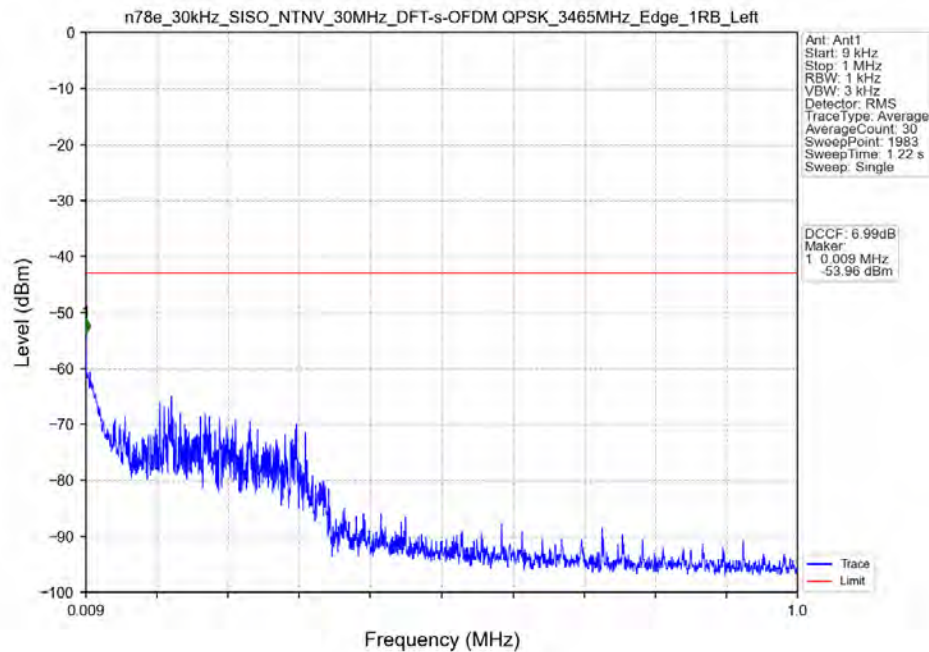


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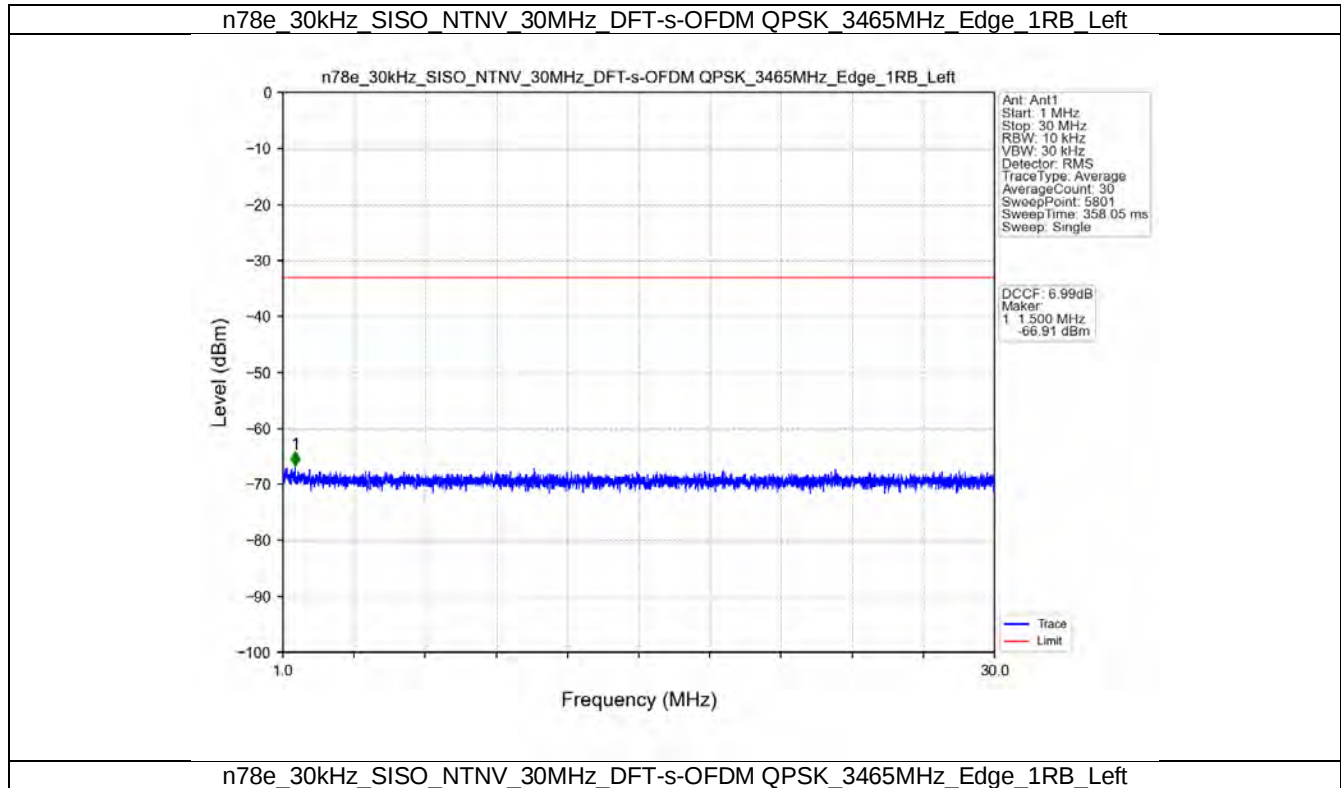


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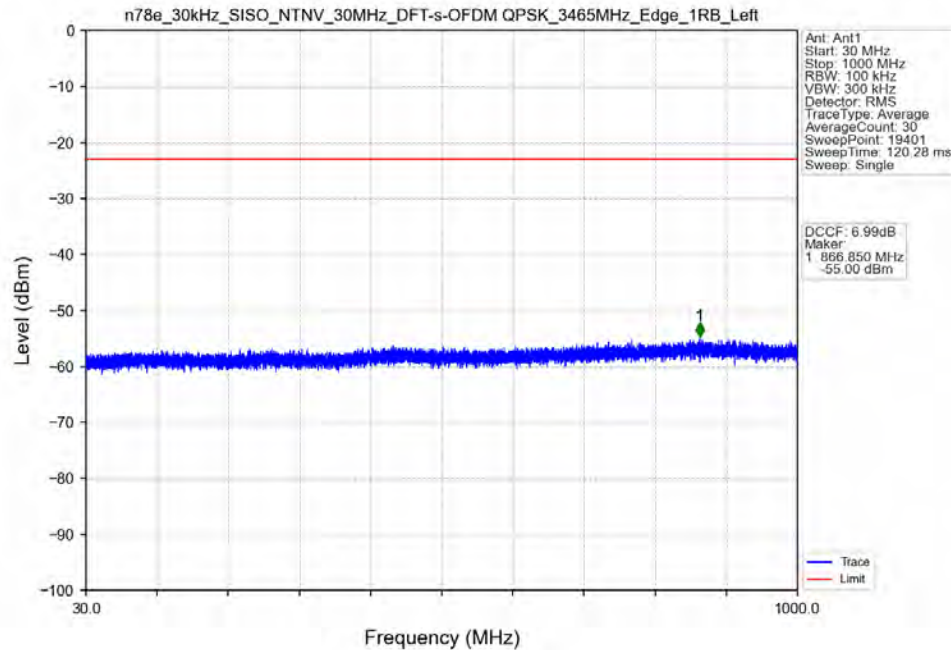


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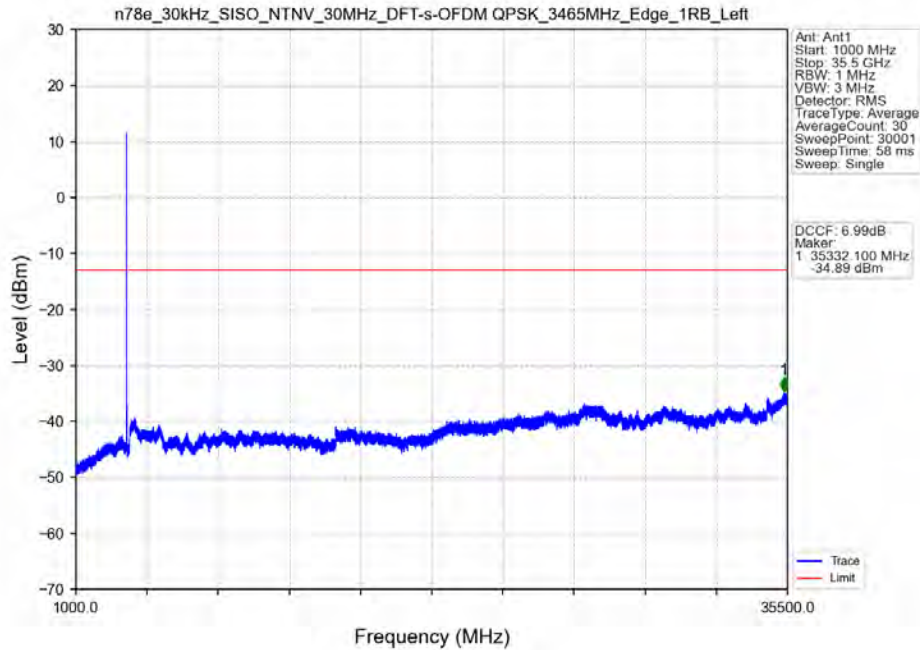
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n78e_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3465MHz_Edge_1RB_Left



n78e_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3465MHz_Outer_Full



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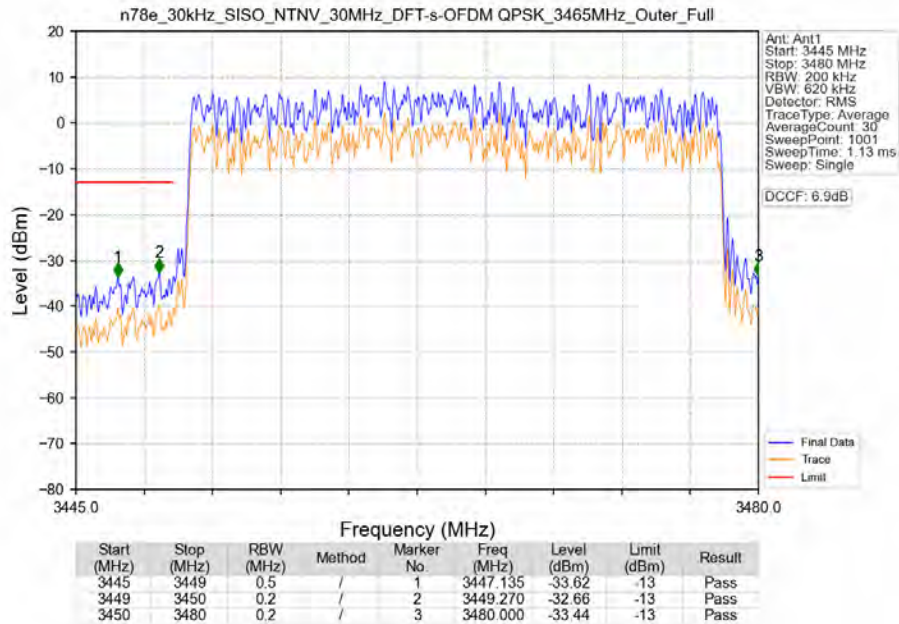


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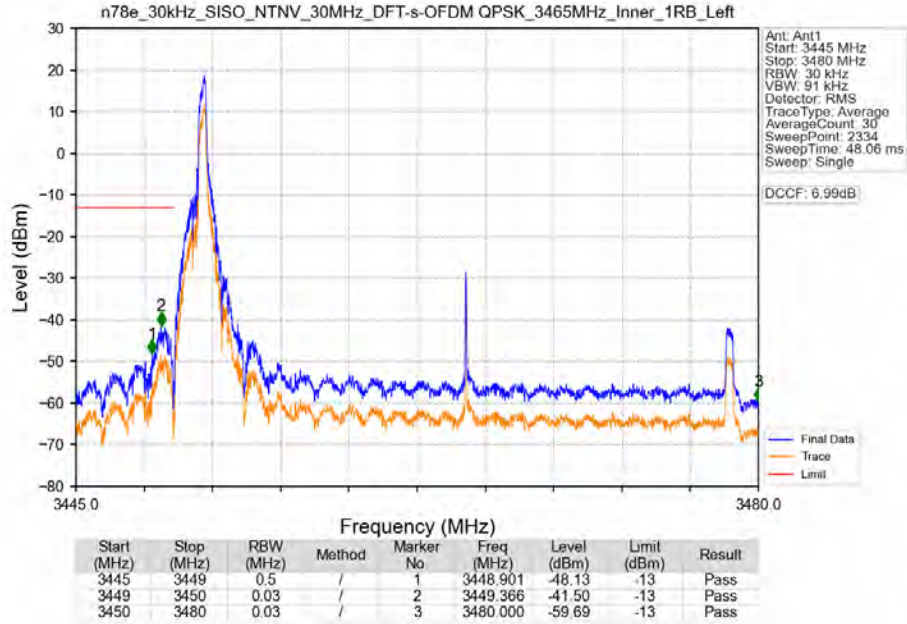
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n78e_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3500.01MHz_Edge_1RB_Left



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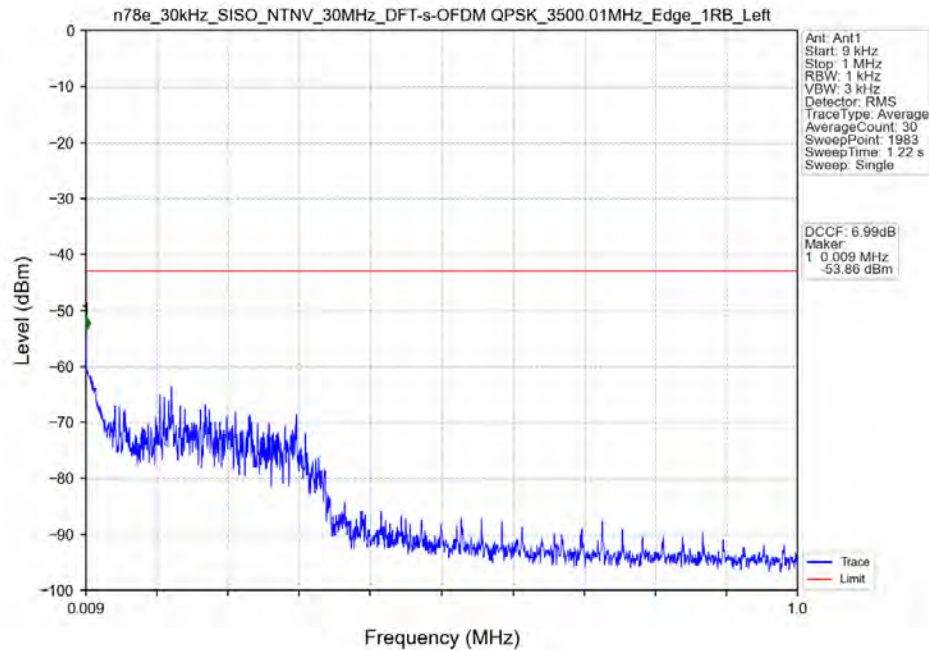


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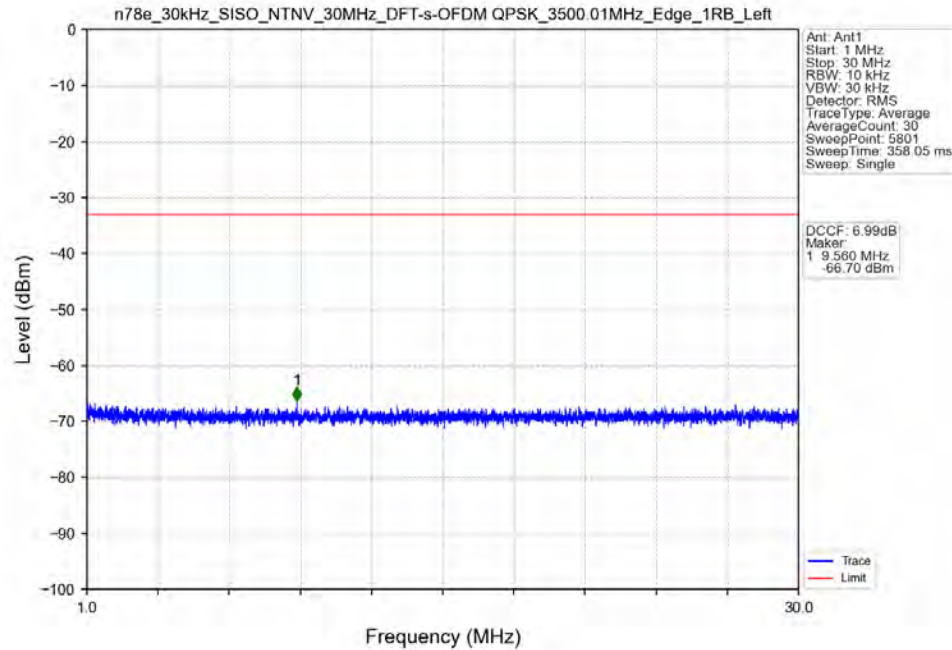
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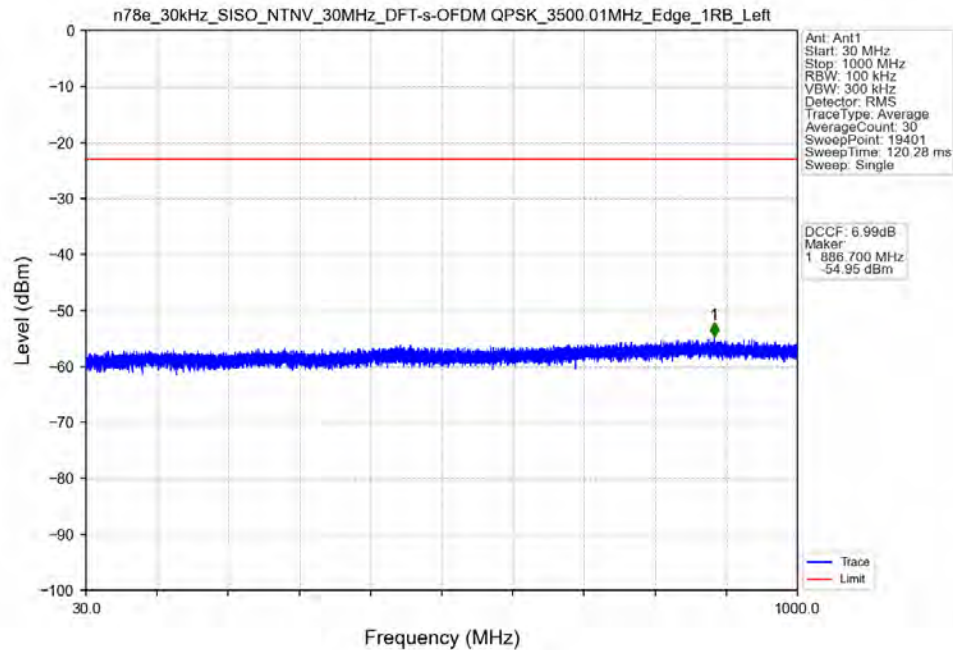


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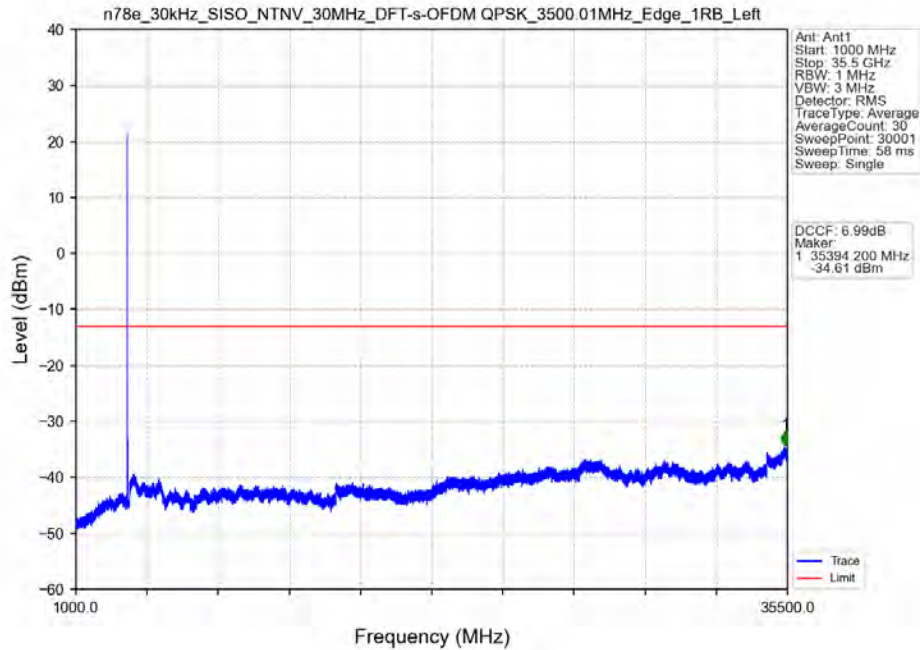
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n78e_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3534.99MHz_Edge_1RB_Right



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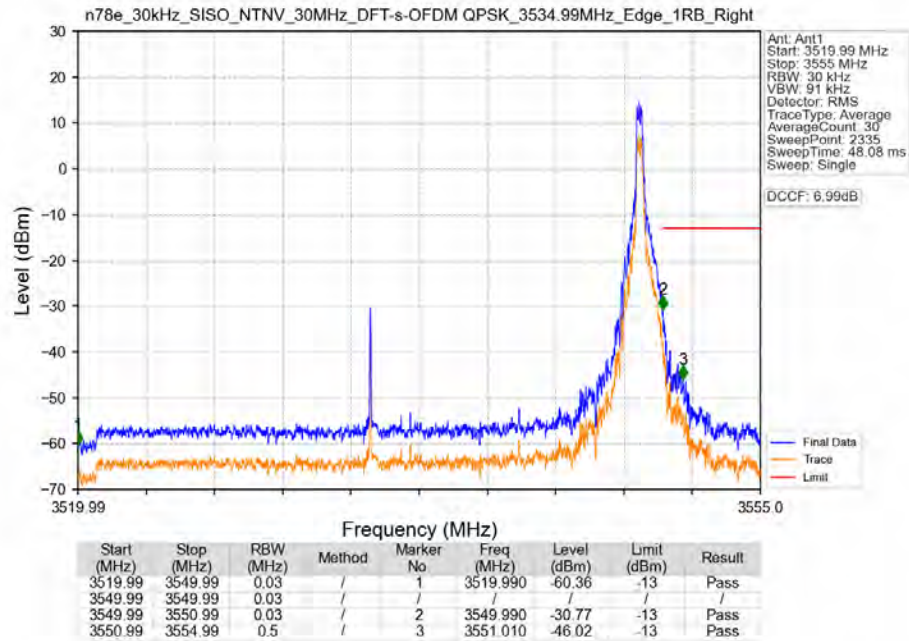


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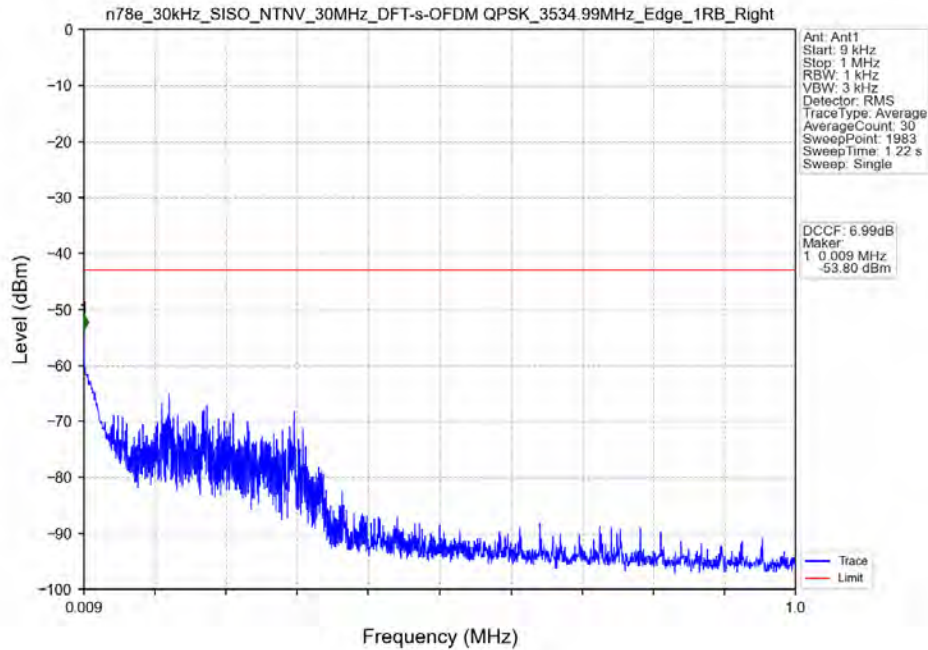
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n78e_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3534.99MHz_Edge_1RB_Right



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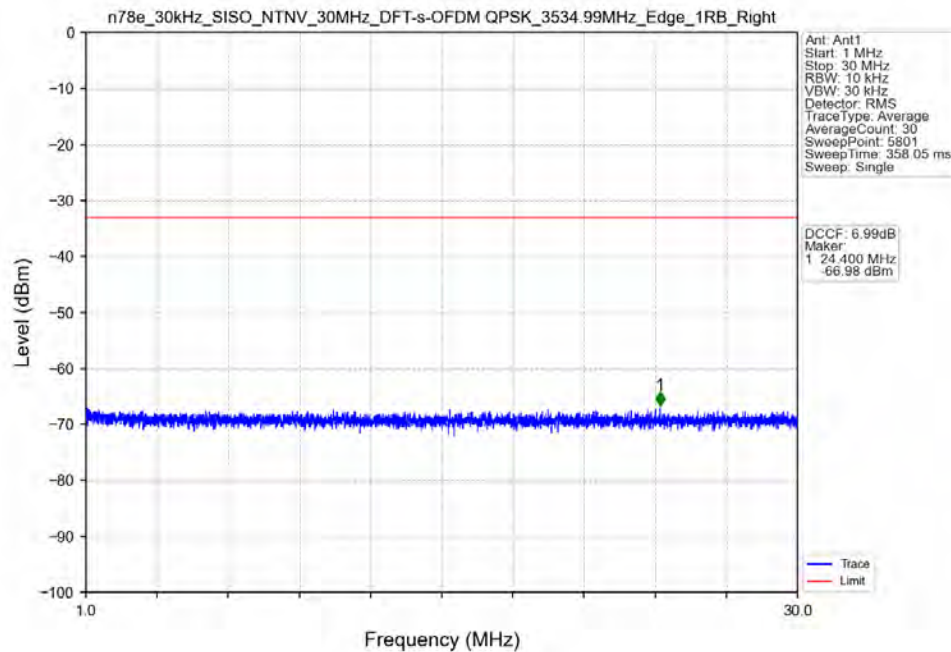


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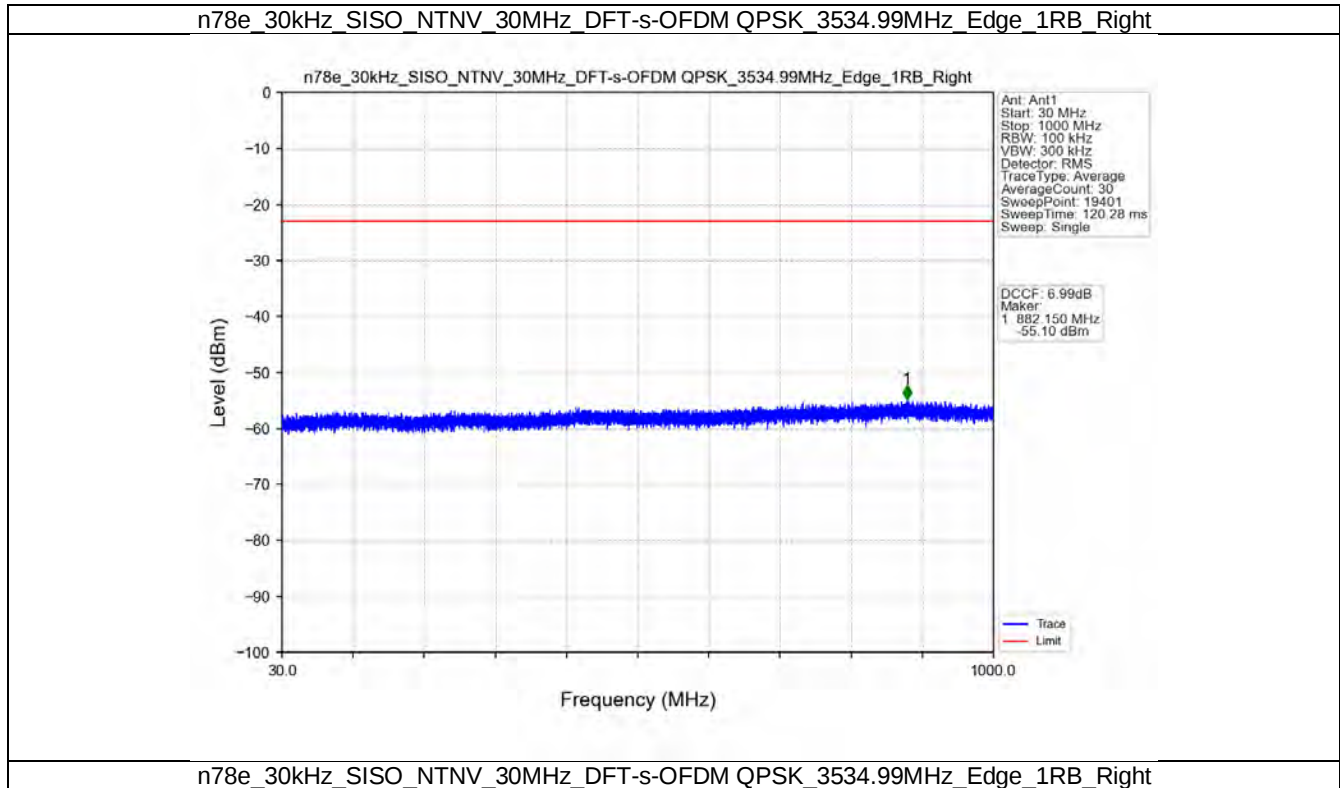


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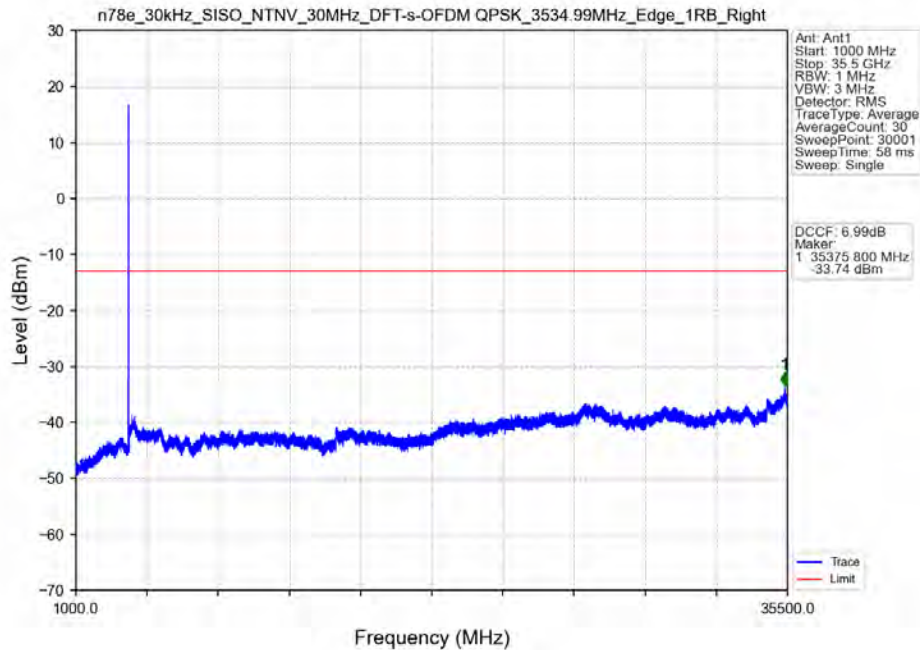


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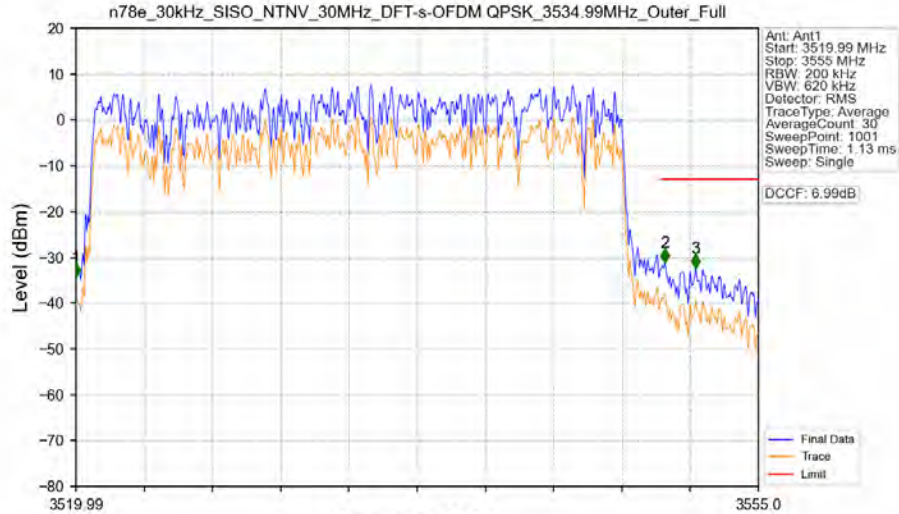
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n78e_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3534.99MHz_Outer_Full



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	-34.27	-13	Pass
3549.99	3550.99	0.2	/	2	3550.204	-31.22	-13	Pass
3550.99	3554.99	0.5	/	3	3551.779	-32.40	-13	Pass

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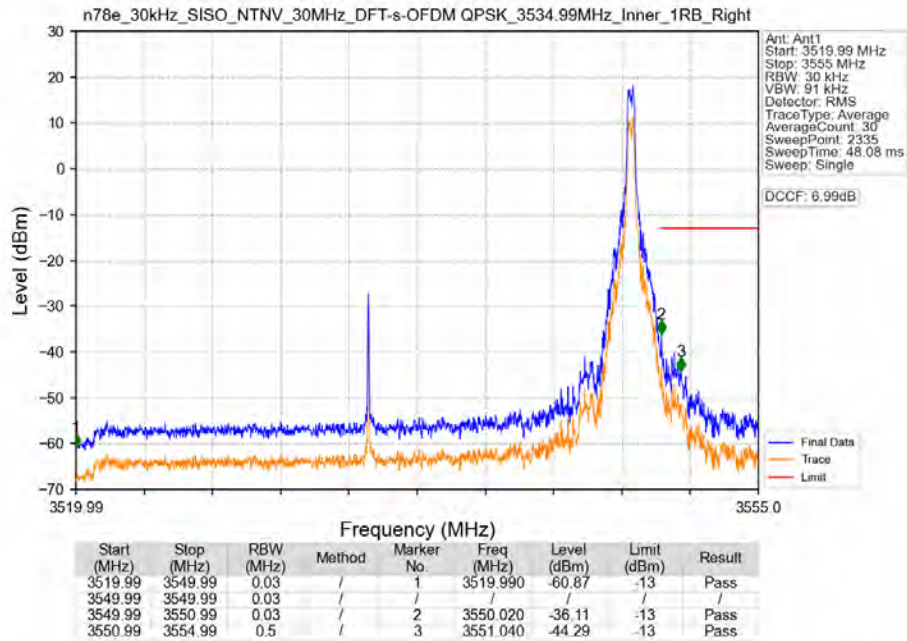


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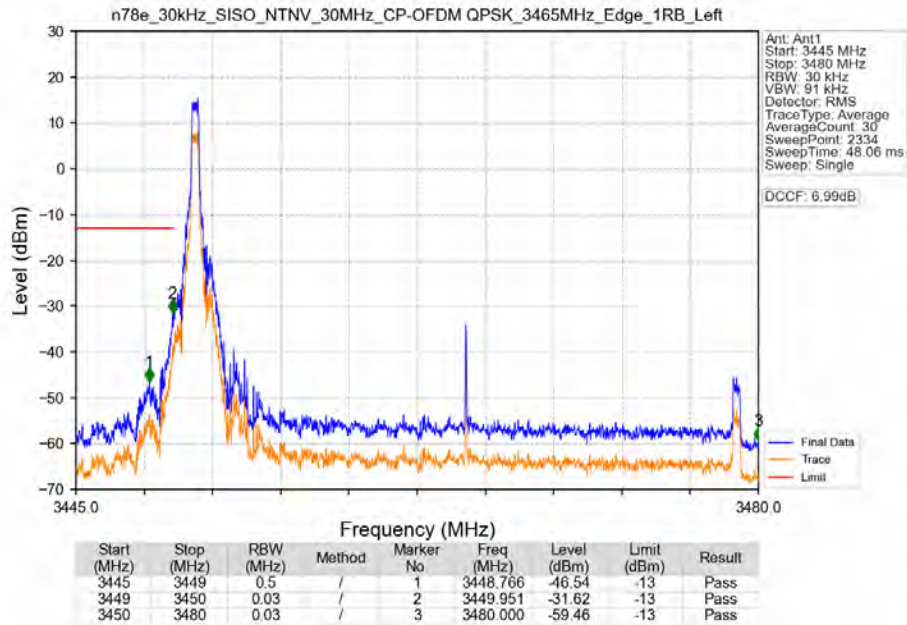
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n78e_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Edge_1RB_Left



n78e_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Edge_1RB_Left



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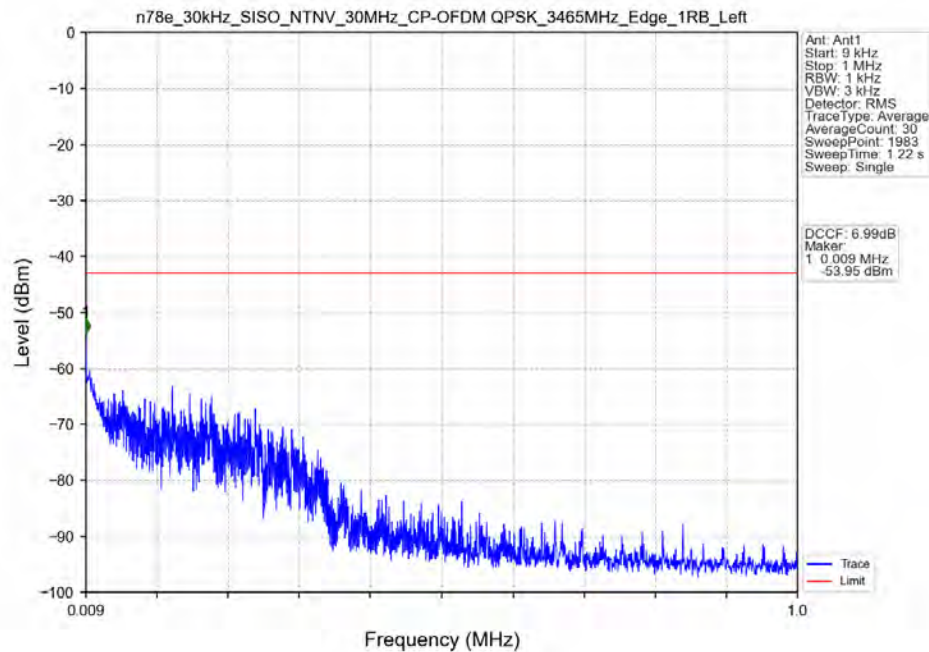


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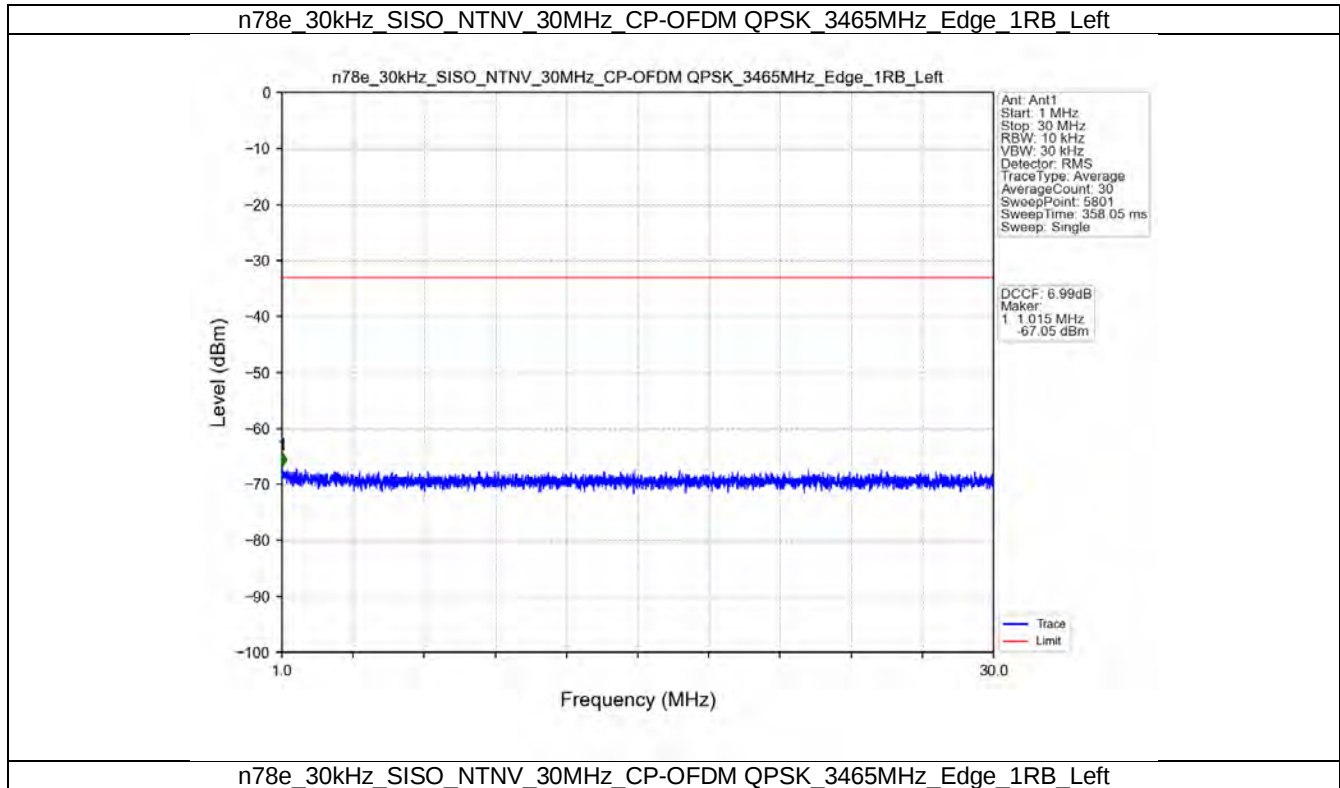


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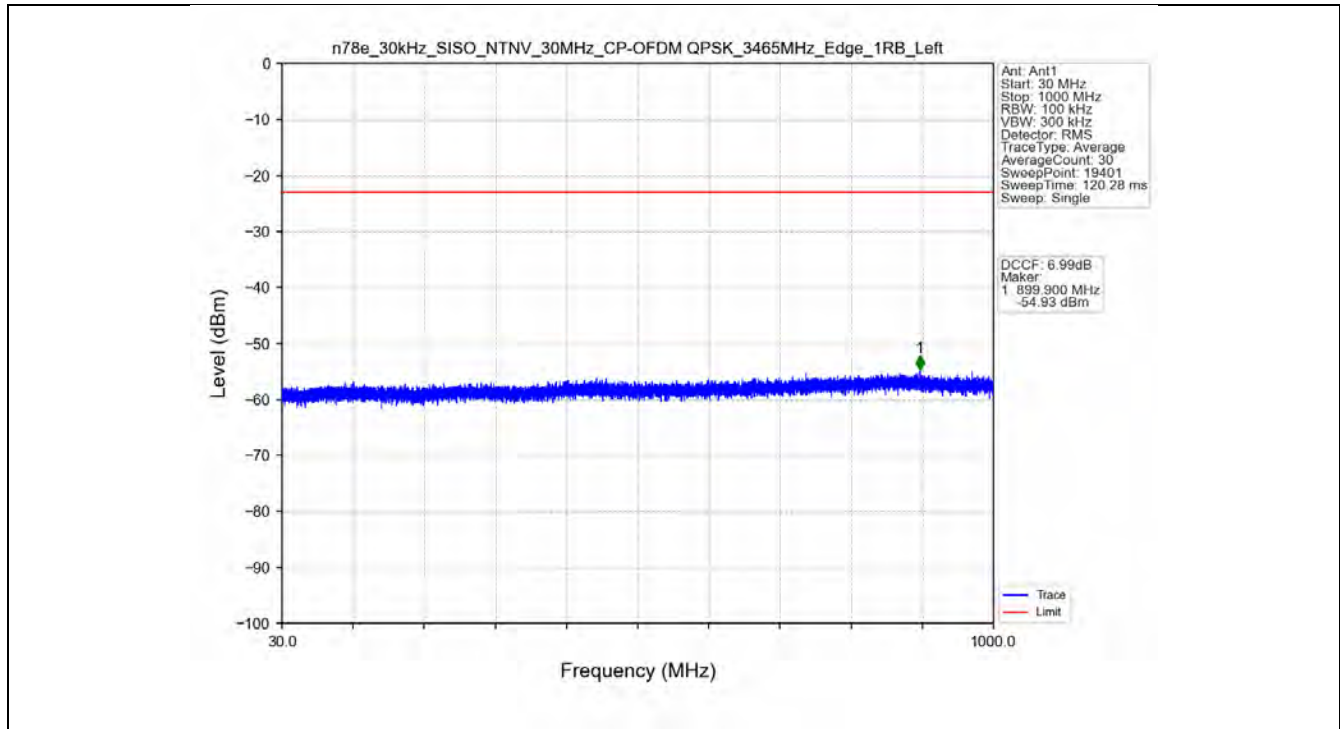


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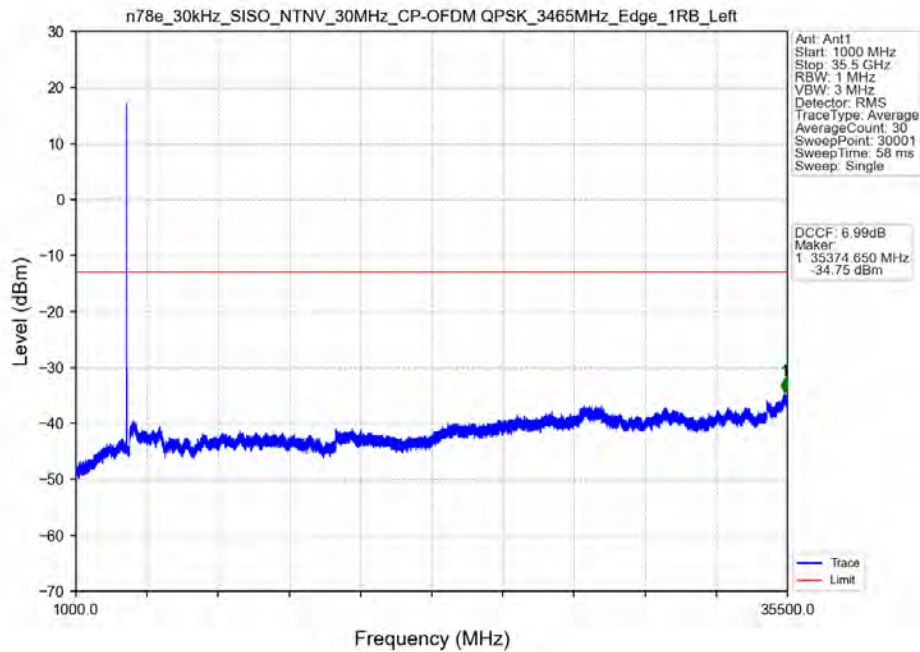
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n78e_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3465MHz_Outer_Full



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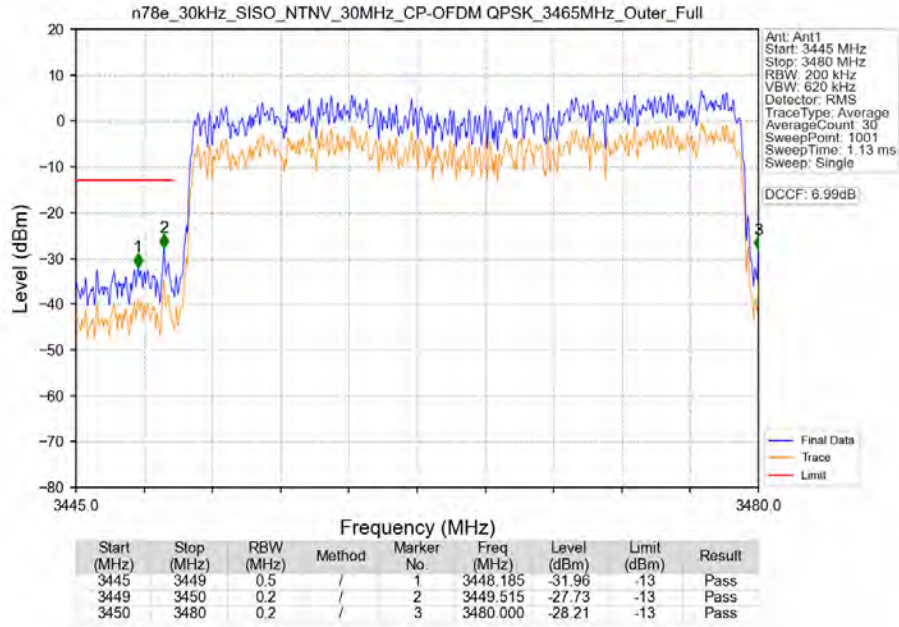


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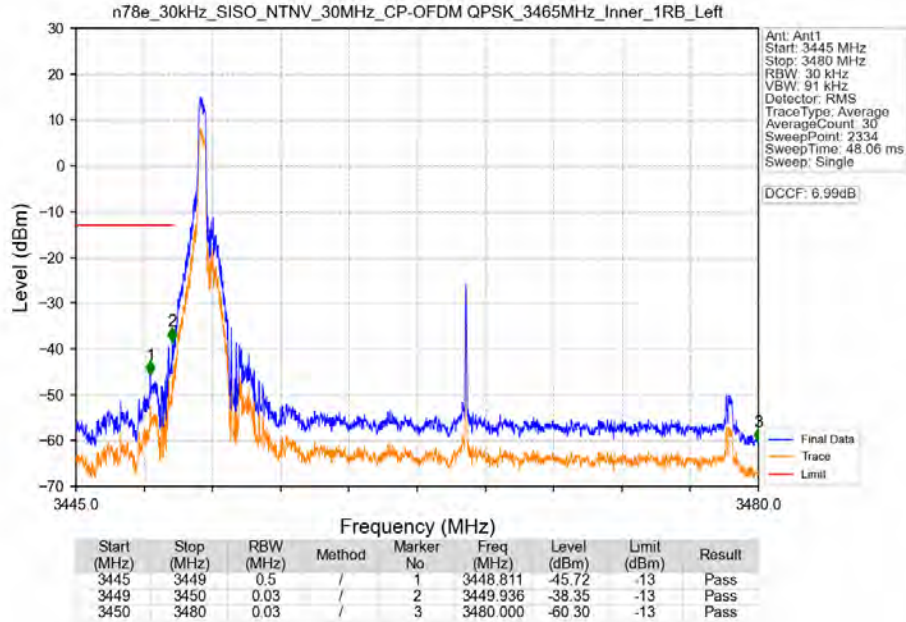
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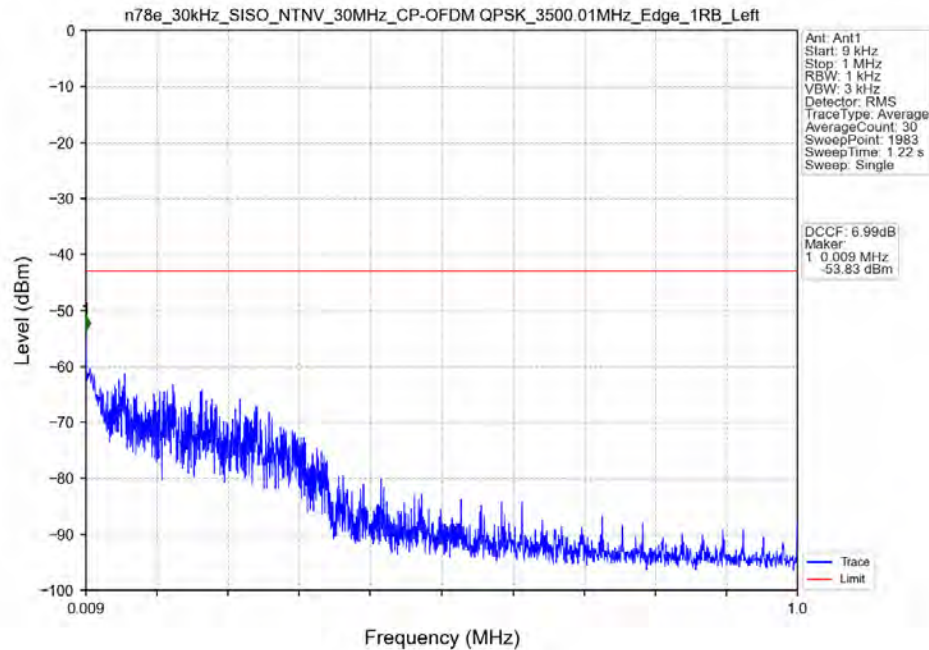


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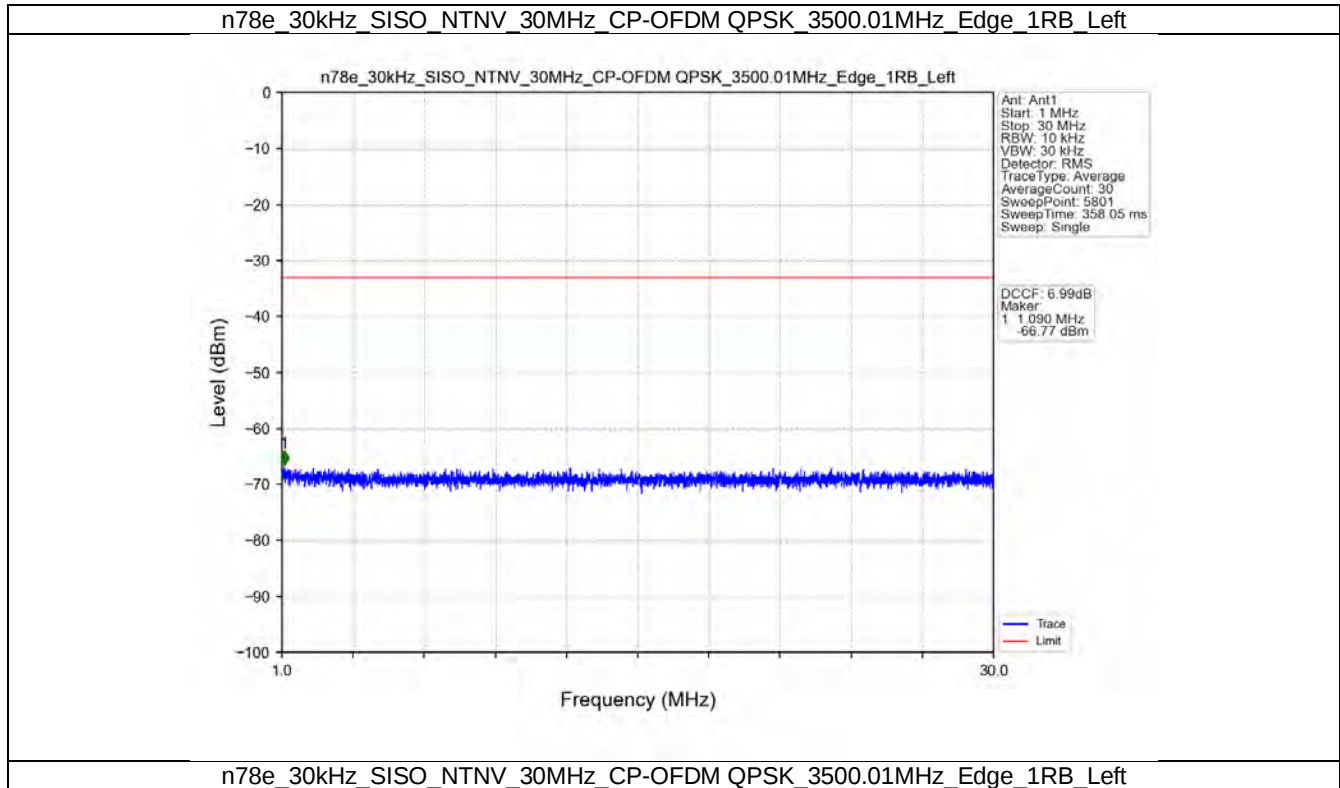


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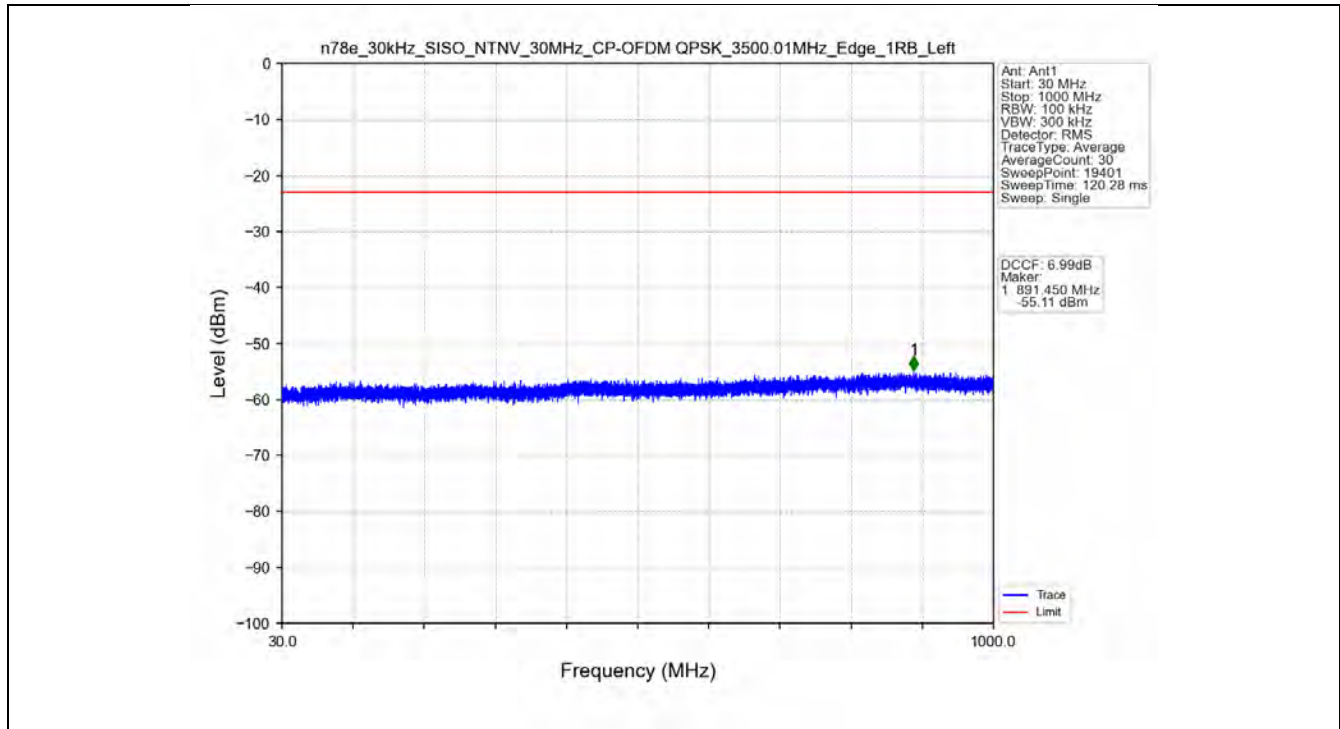


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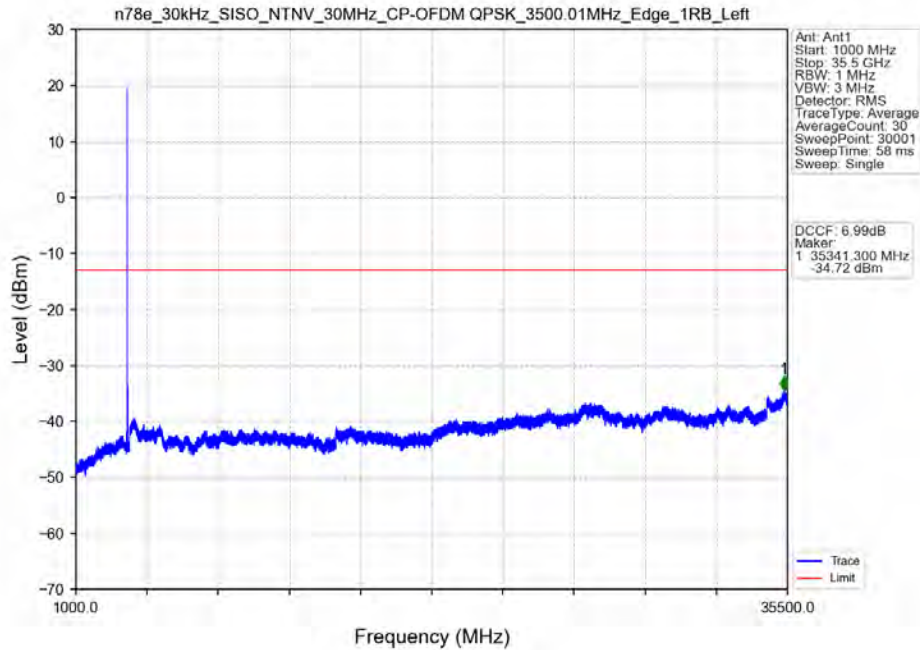
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n78e_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3500.01MHz_Edge_1RB_Left



n78e_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3534.99MHz_Edge_1RB_Right



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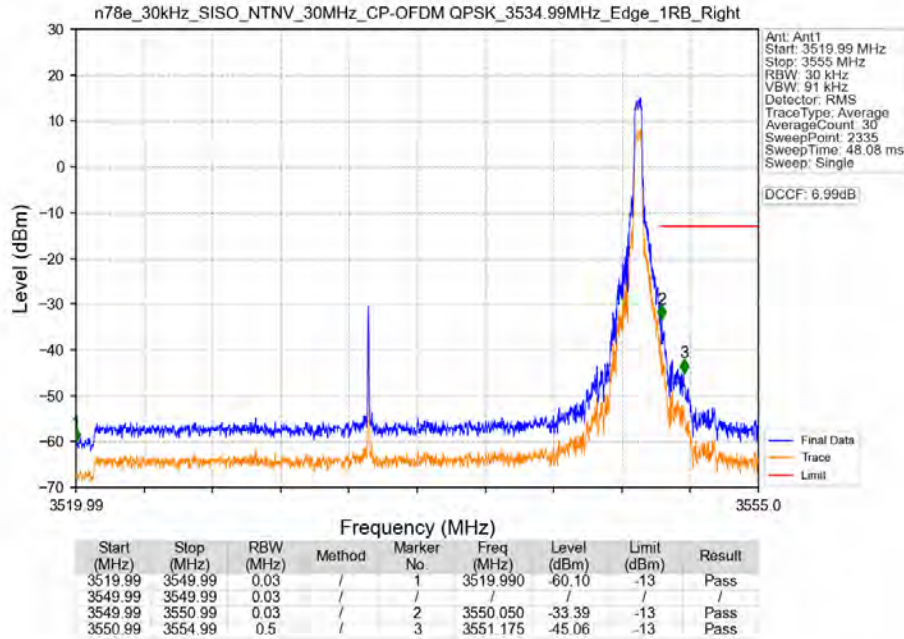


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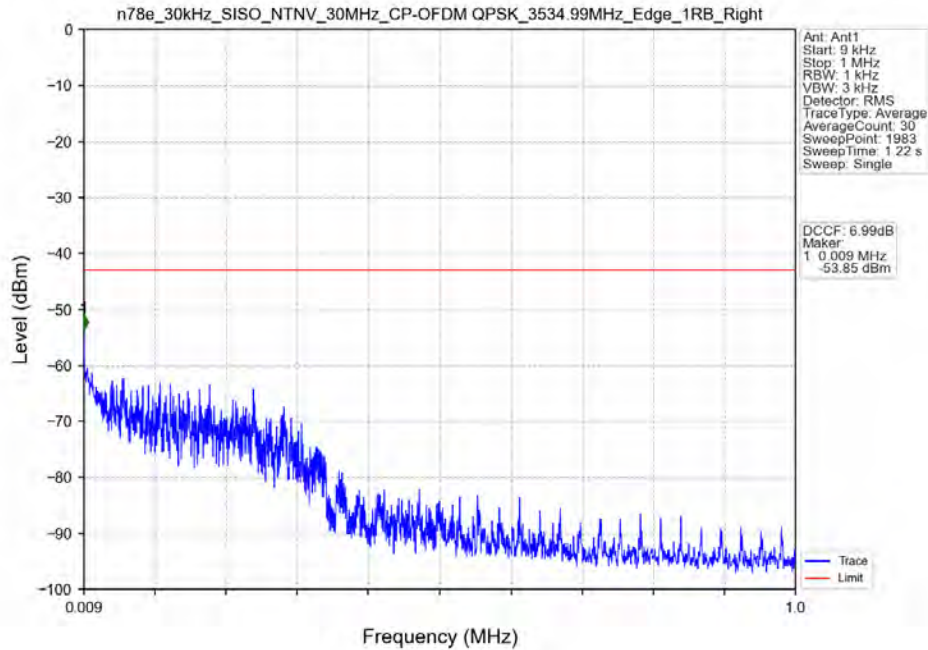
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n78e_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3534.99MHz_Edge_1RB_Right



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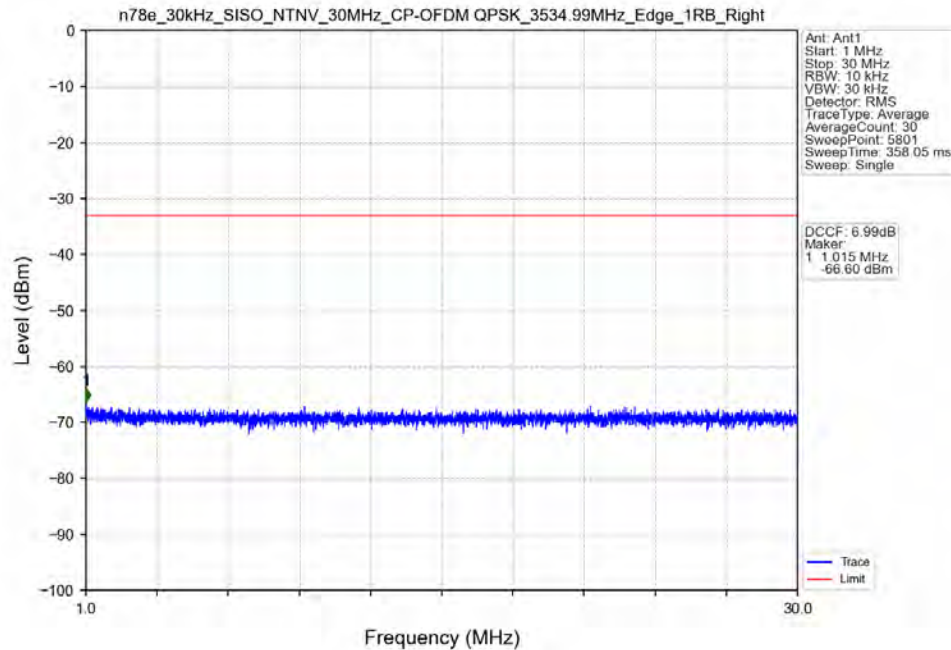


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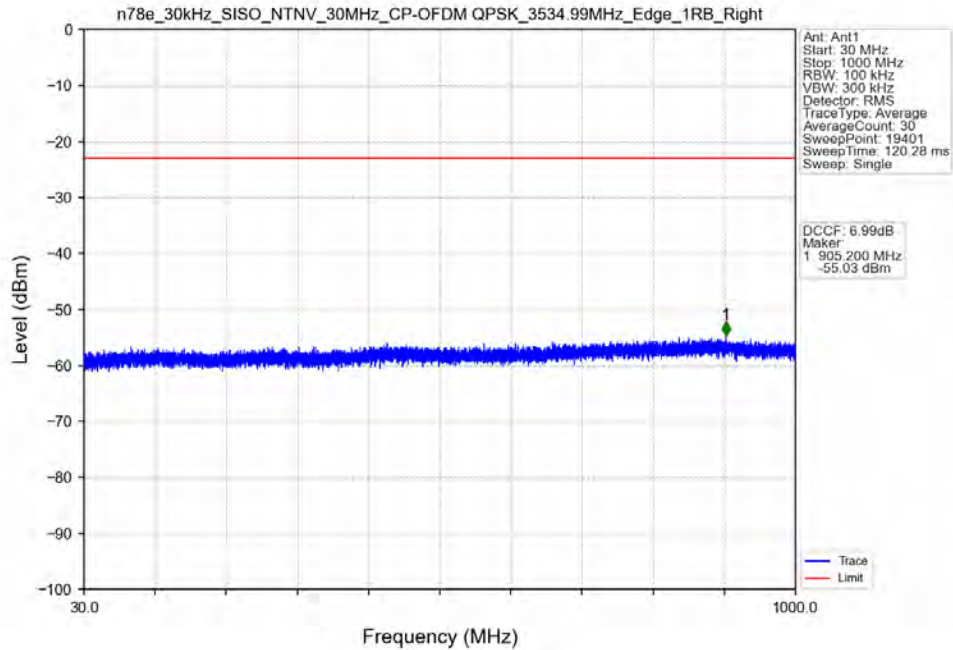
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n78e_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3534.99MHz_Edge_1RB_Right



n78e_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3534.99MHz_Edge_1RB_Right



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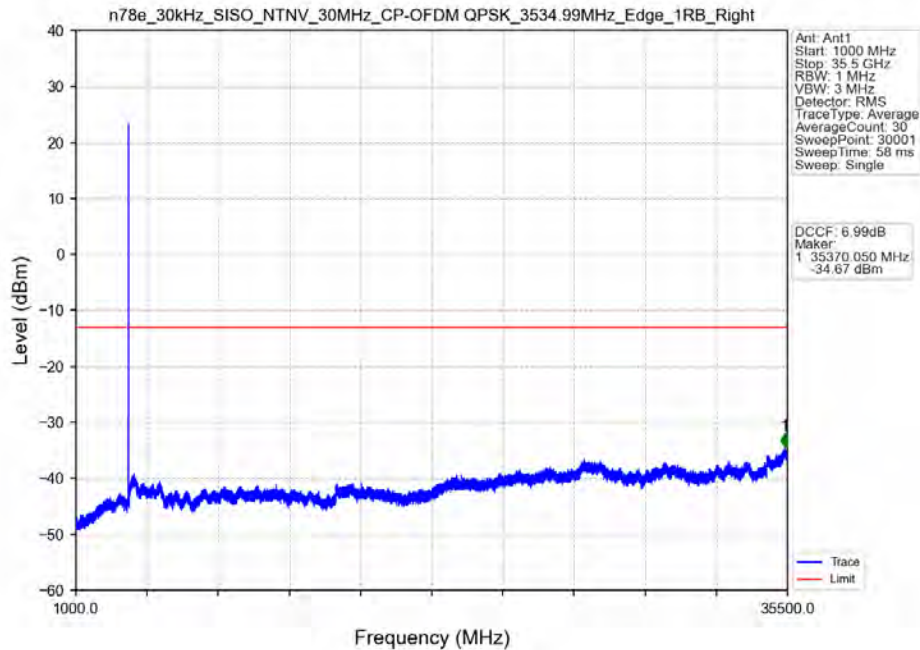


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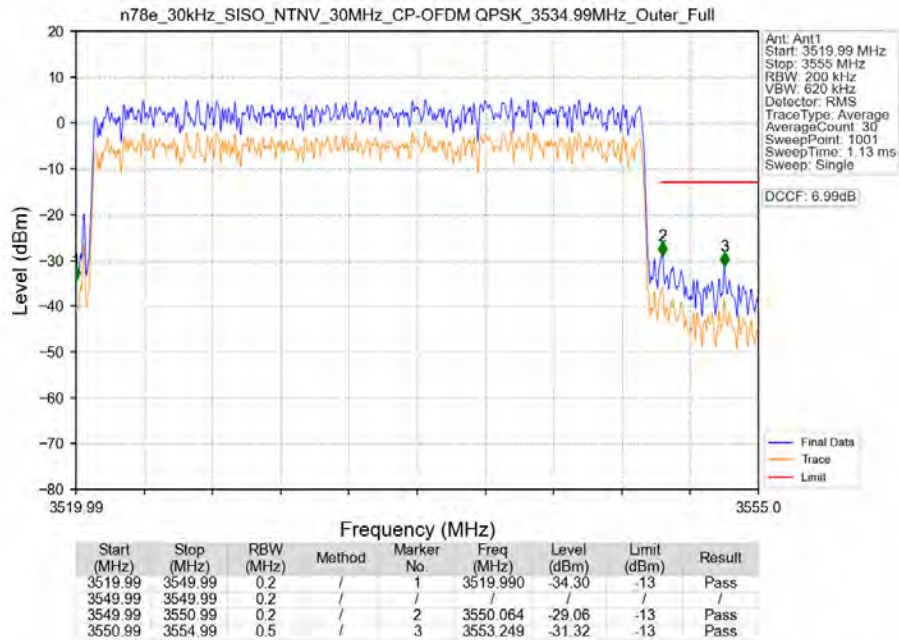
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n78e_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3534.99MHz_Inner_1RB_Right



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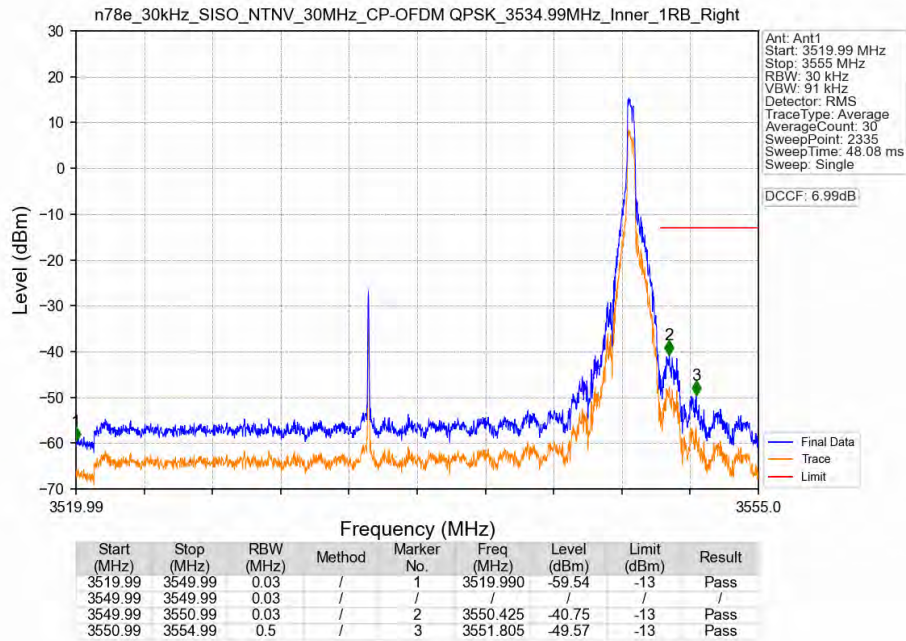


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5.3 30k_SISO_40MHz_NTNV

5.3.1 Test Result

5G NR n78e SCS=30kHz SISO 40MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant1	Ant4	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	
	3500.01	Edge 1RB Left	Refer To Test Graph				Pass	
		3529.98	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	
	3500.01	Inner 1RB Left	Refer To Test Graph				Pass	
		3529.98	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	
		Edge 1RB Left	Refer To Test Graph				Pass	
	3500.01	Outer Full	Refer To Test Graph				Pass	
		3529.98	Edge 1RB Left	Refer To Test Graph				Pass
			Edge 1RB Right	Refer To Test Graph				Pass



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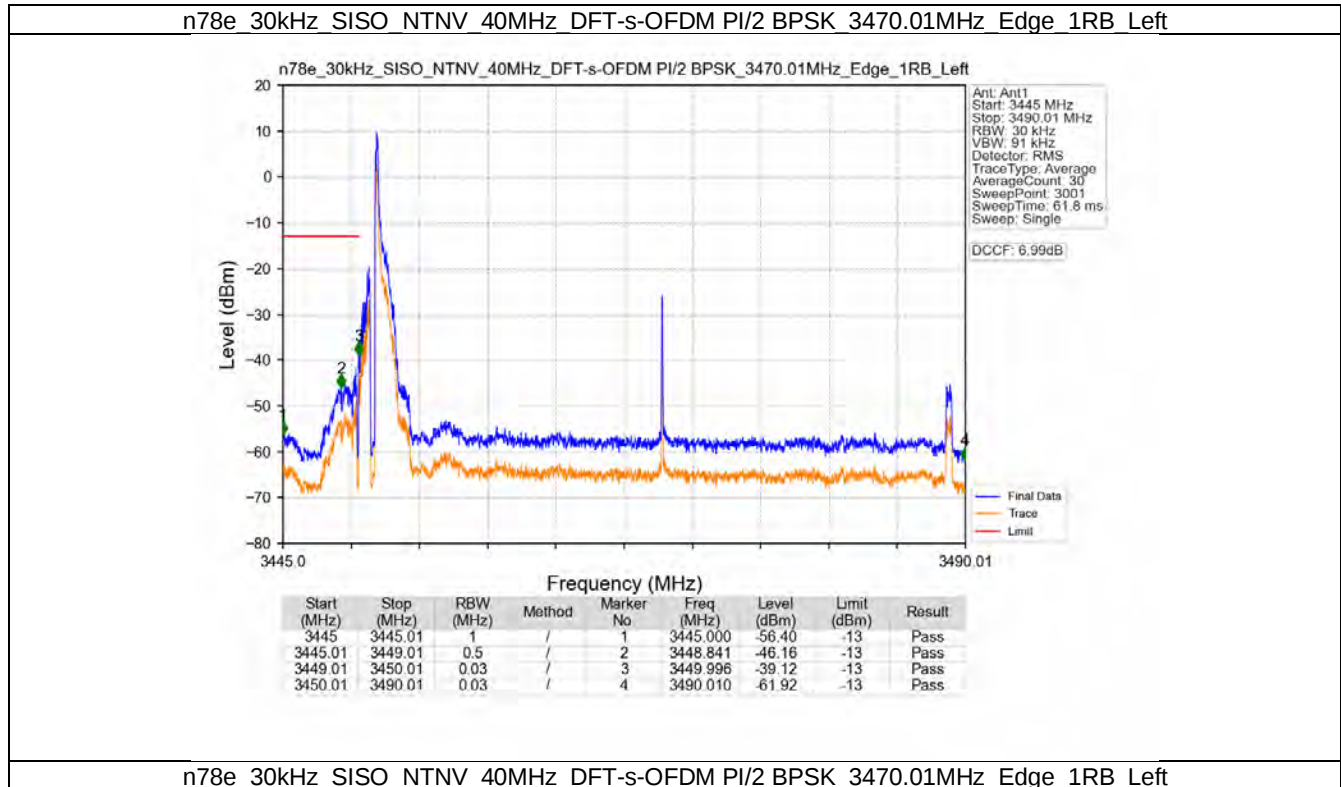
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5.3.2 Test Graph



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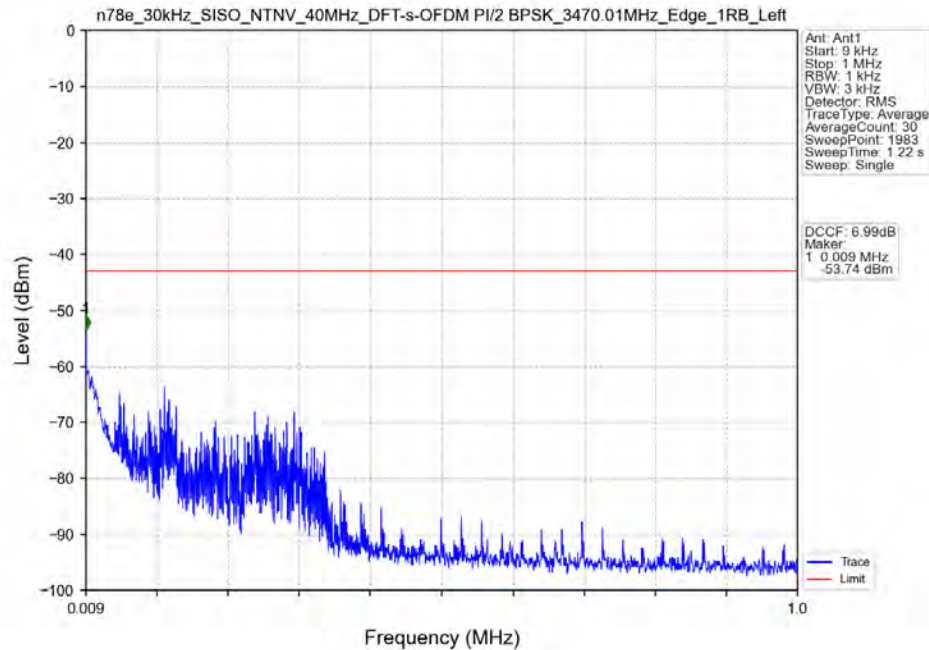


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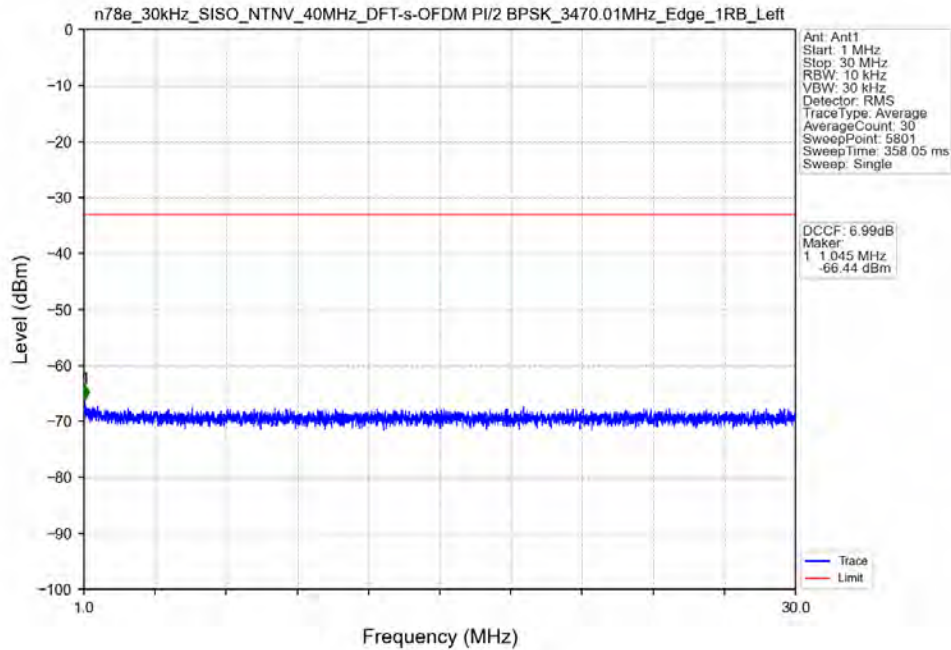
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n78e_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Edge_1RB_Left



n78e_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Edge_1RB_Left



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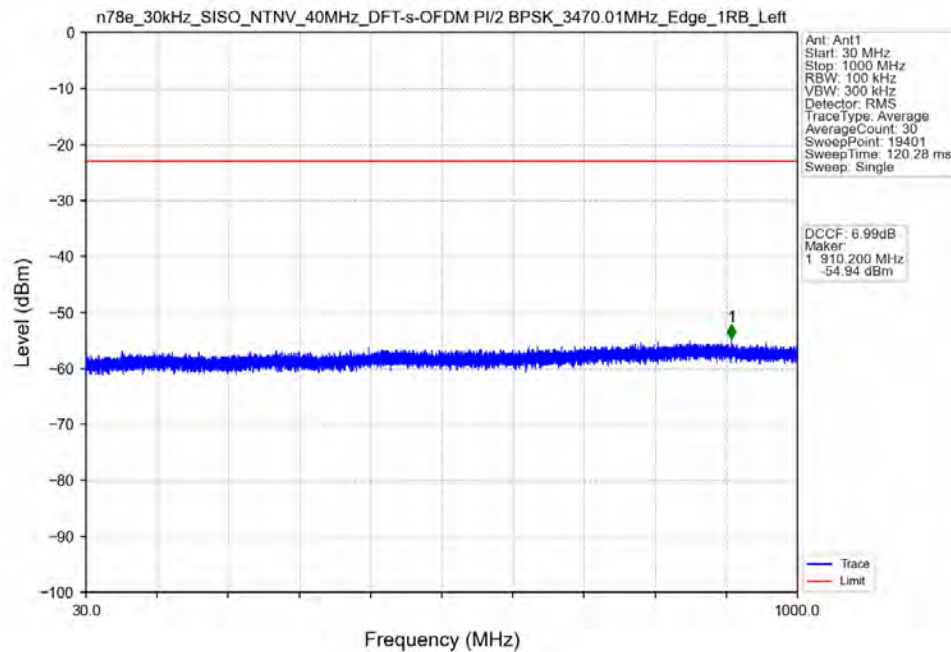


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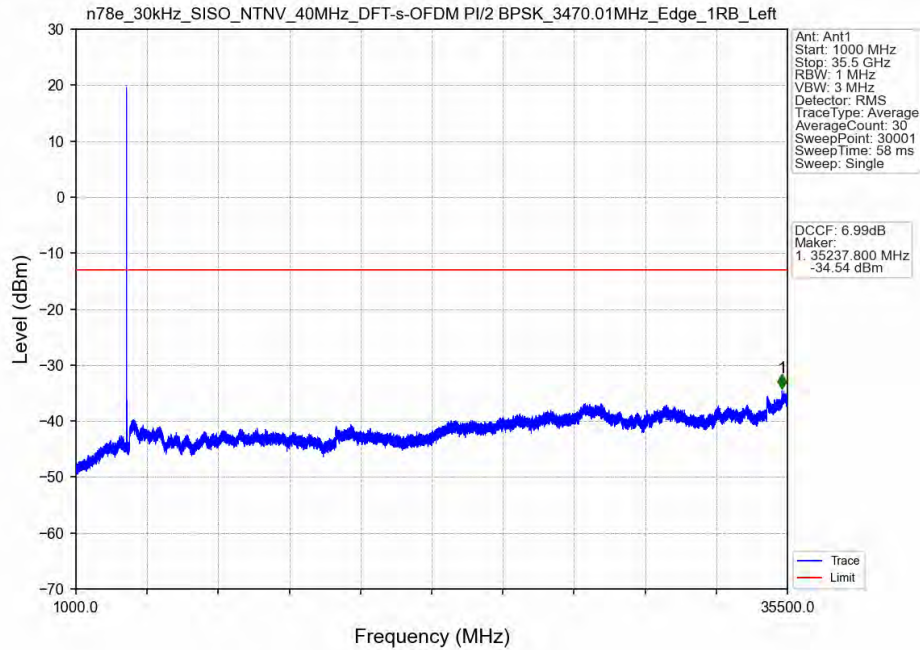
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n78e_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Outer_Full



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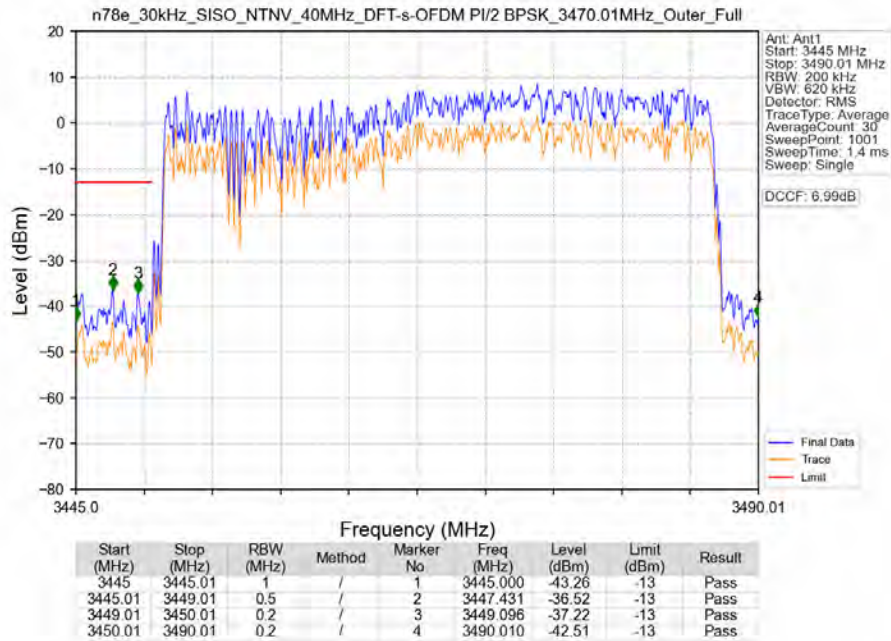


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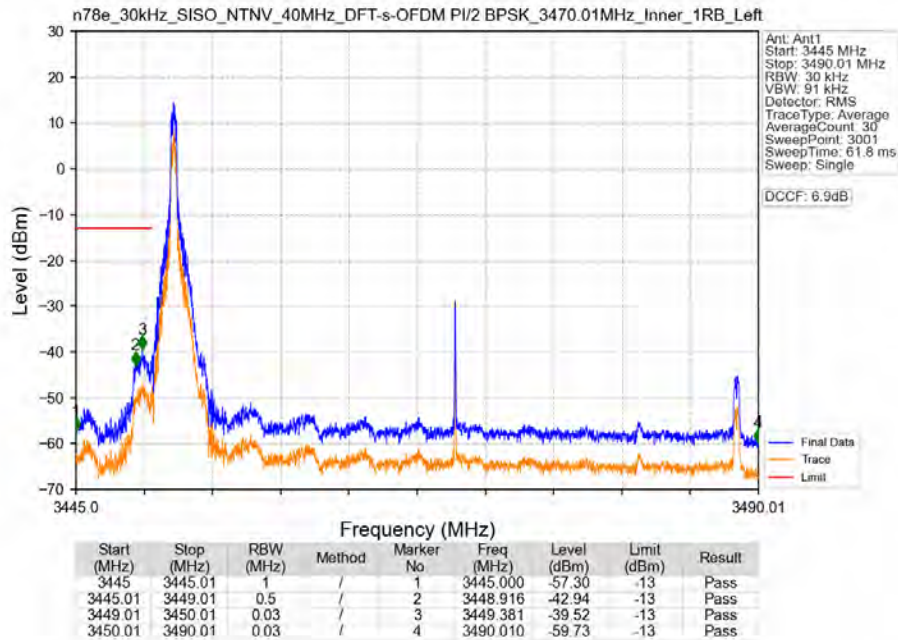
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n78e_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK 3500.01MHz_Edge_1RB_Left



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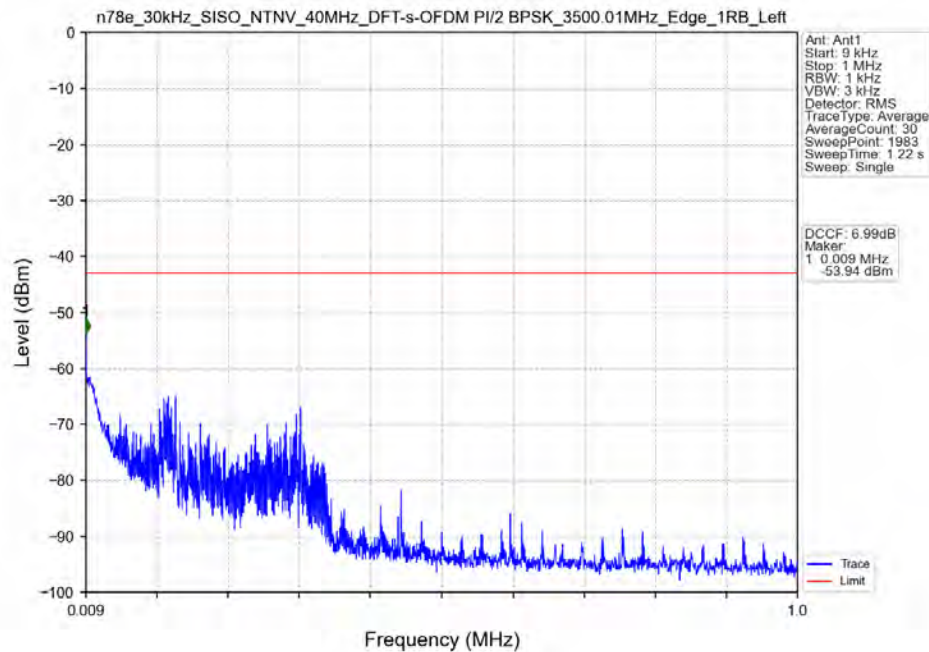


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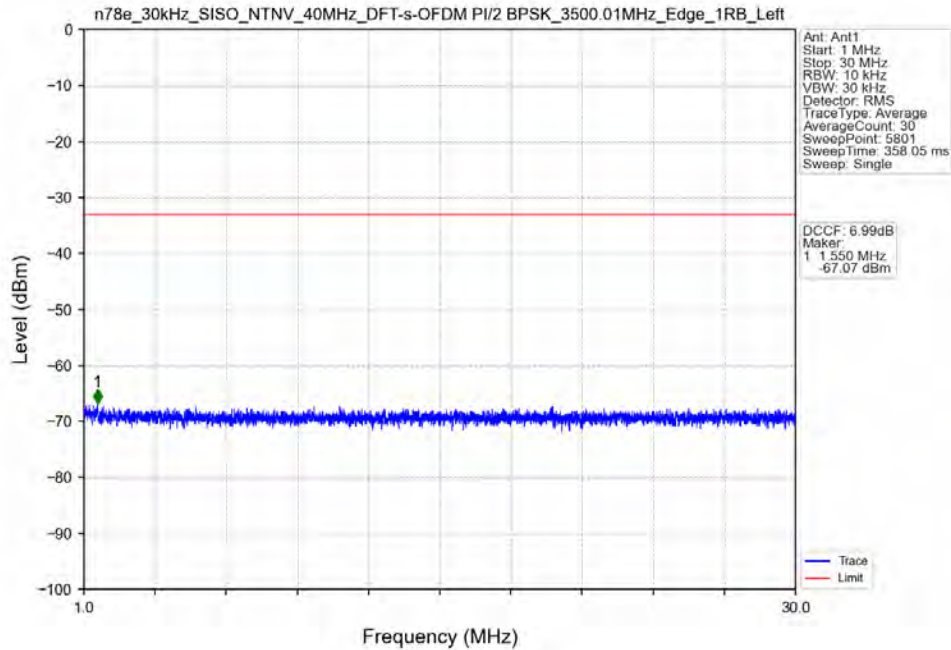
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n78e_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Edge_1RB_Left



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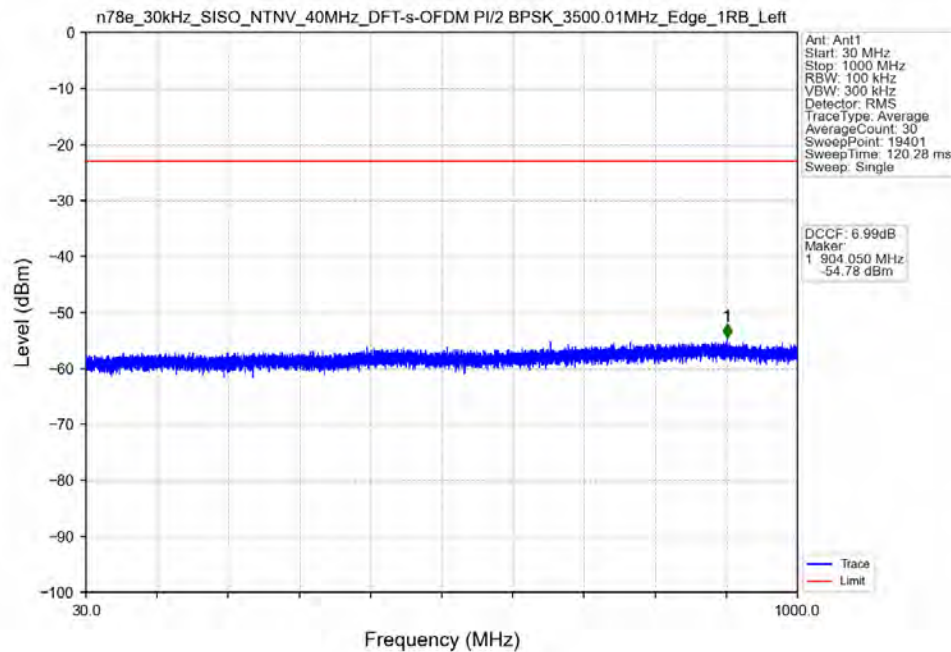


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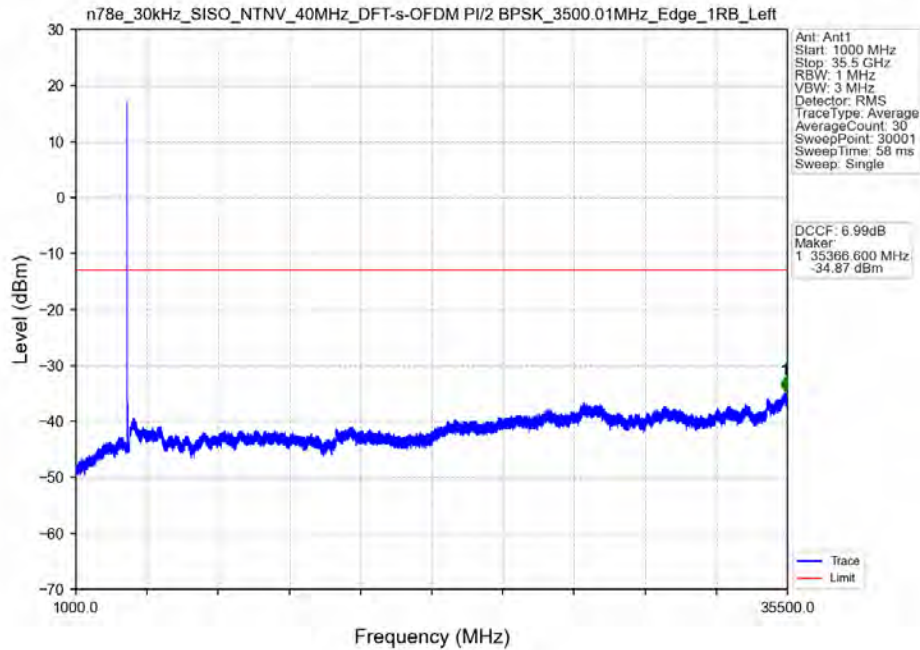
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n78e_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3529.98MHz_Edge_1RB_Right



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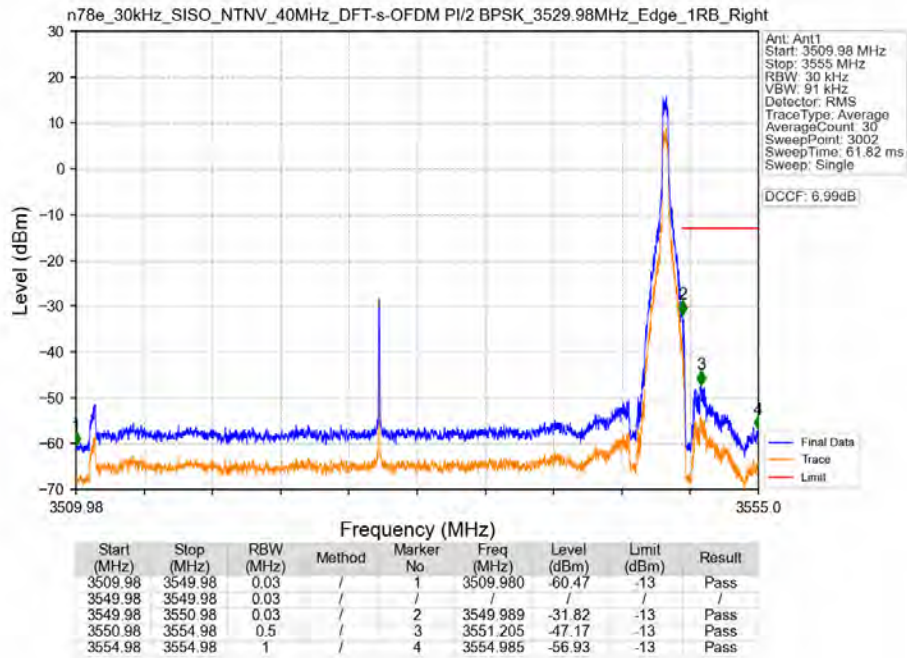


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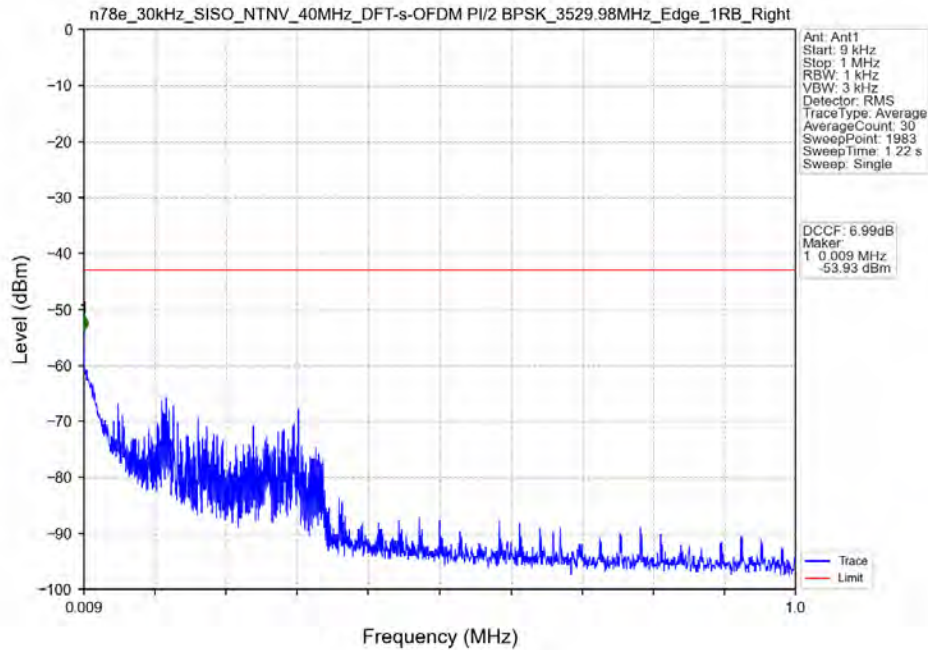
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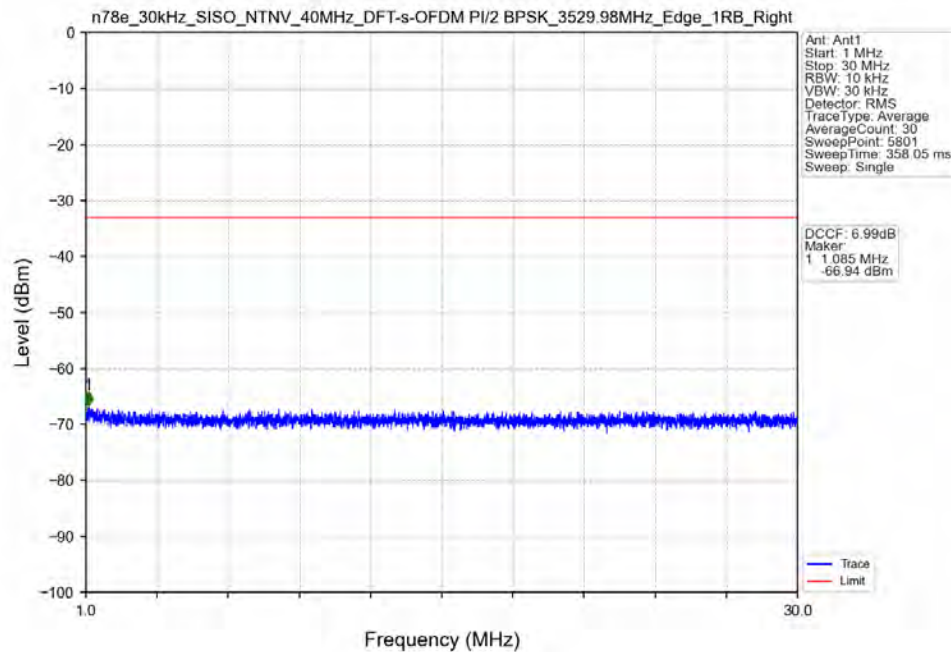


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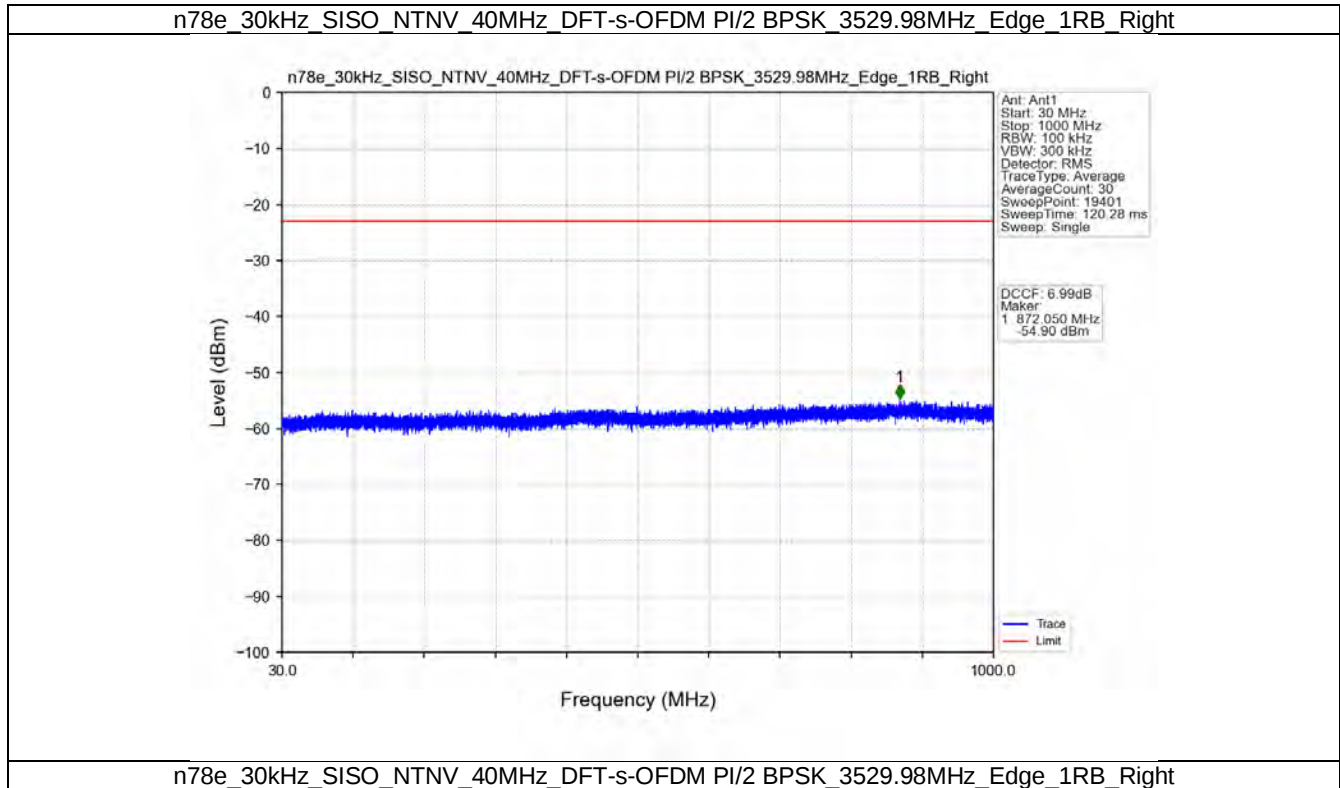


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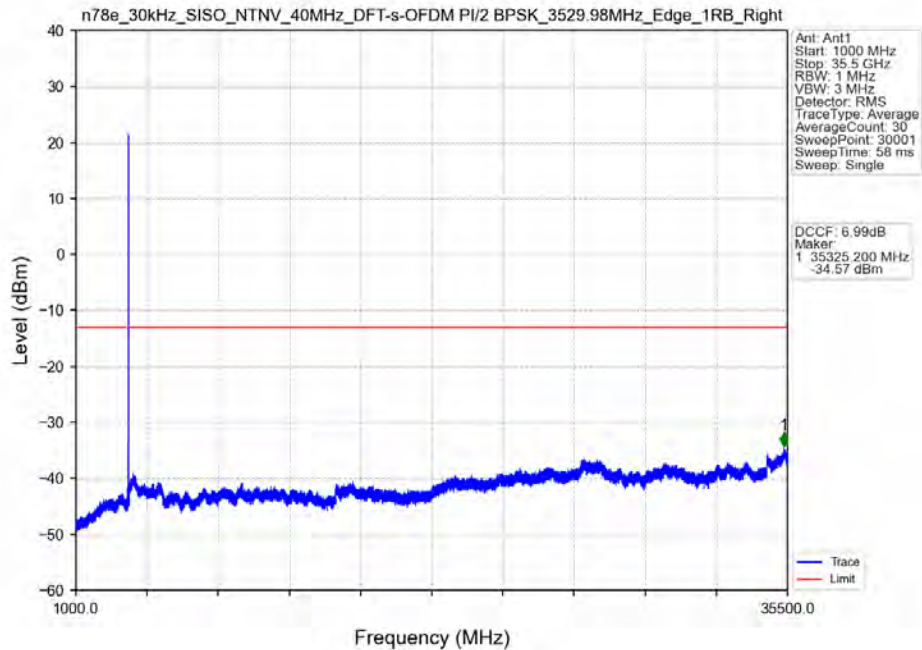


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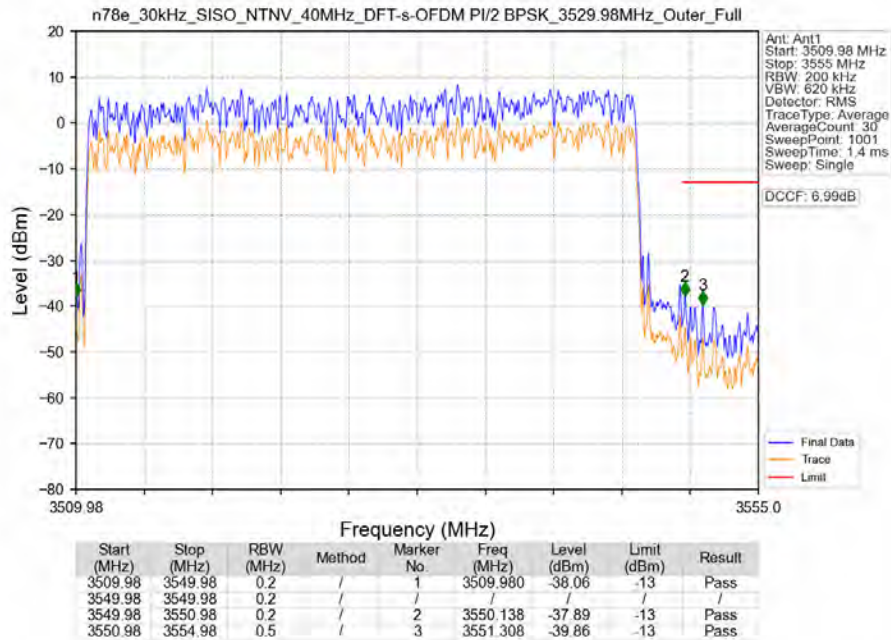
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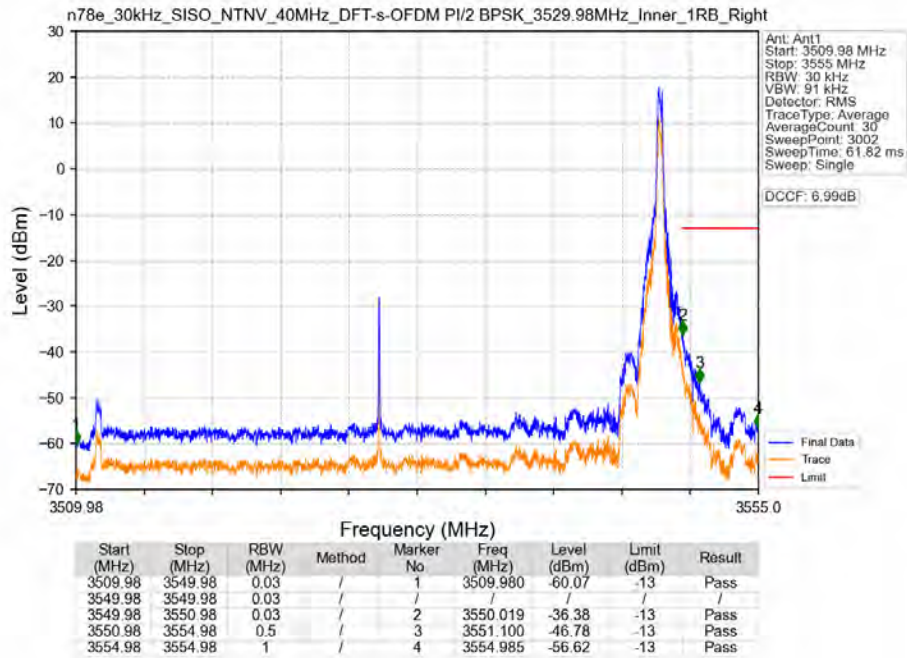


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