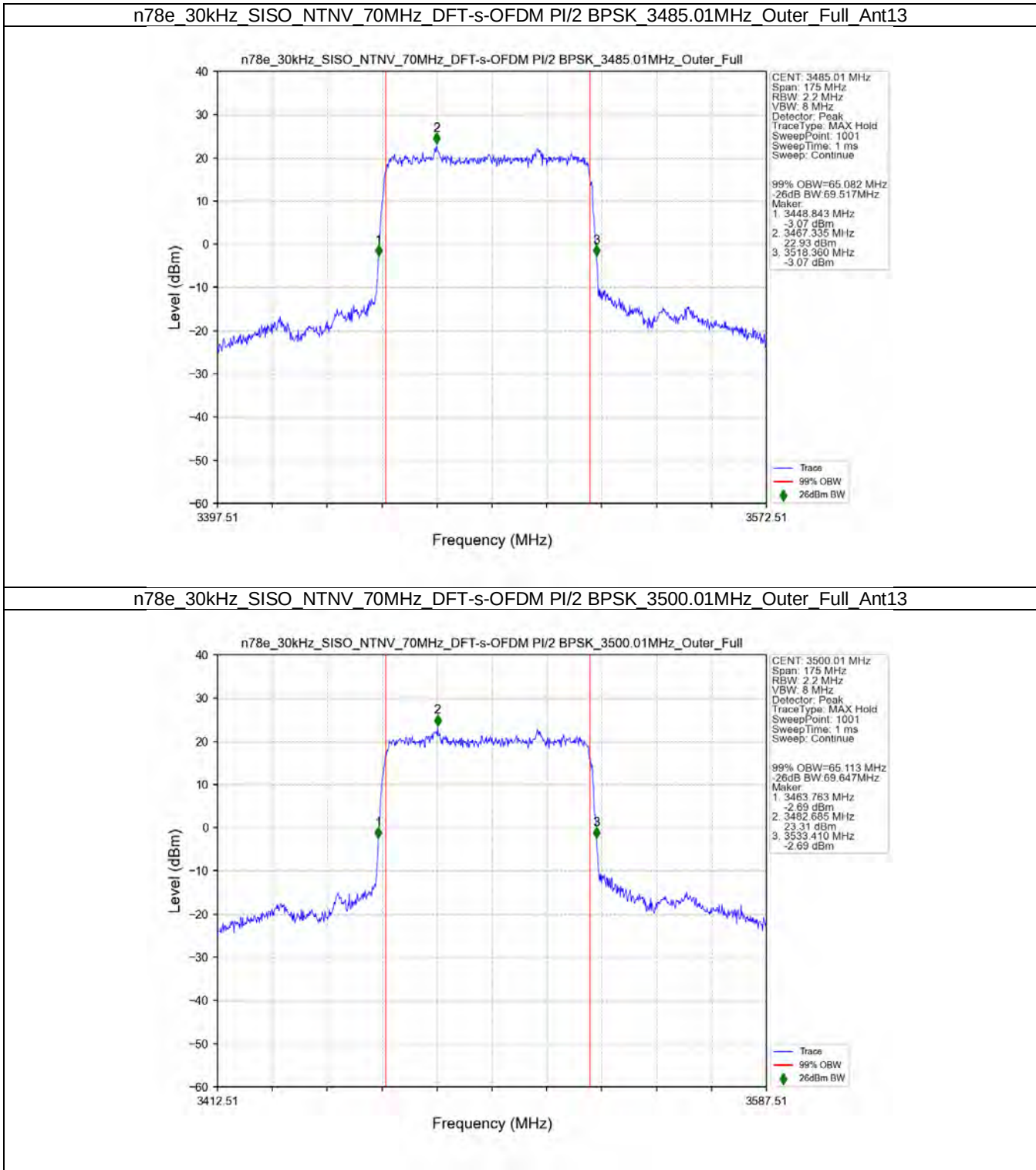
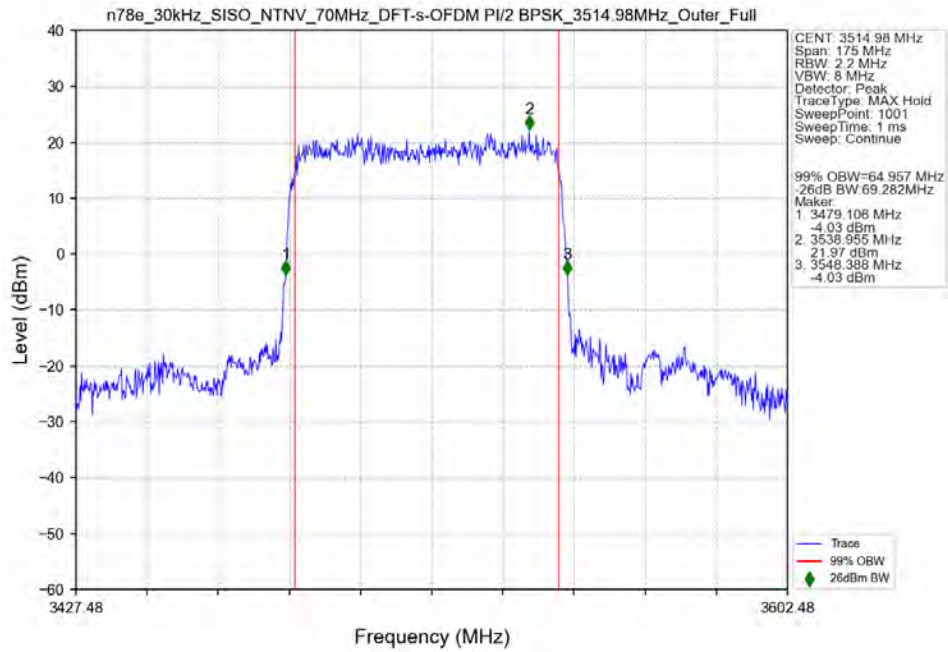


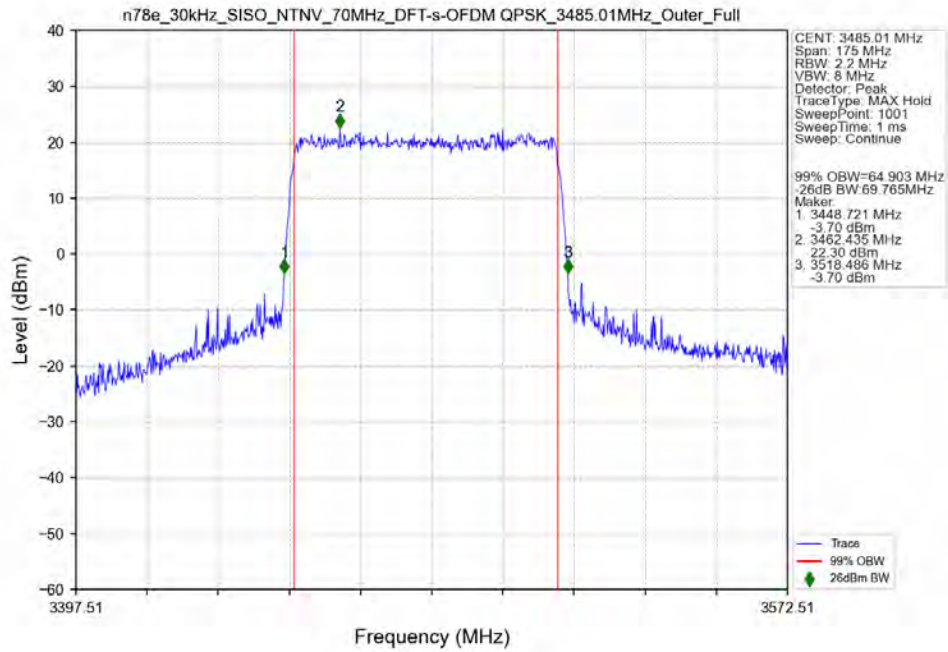
3.2.8 30k_SISO_70MHz_NTNV



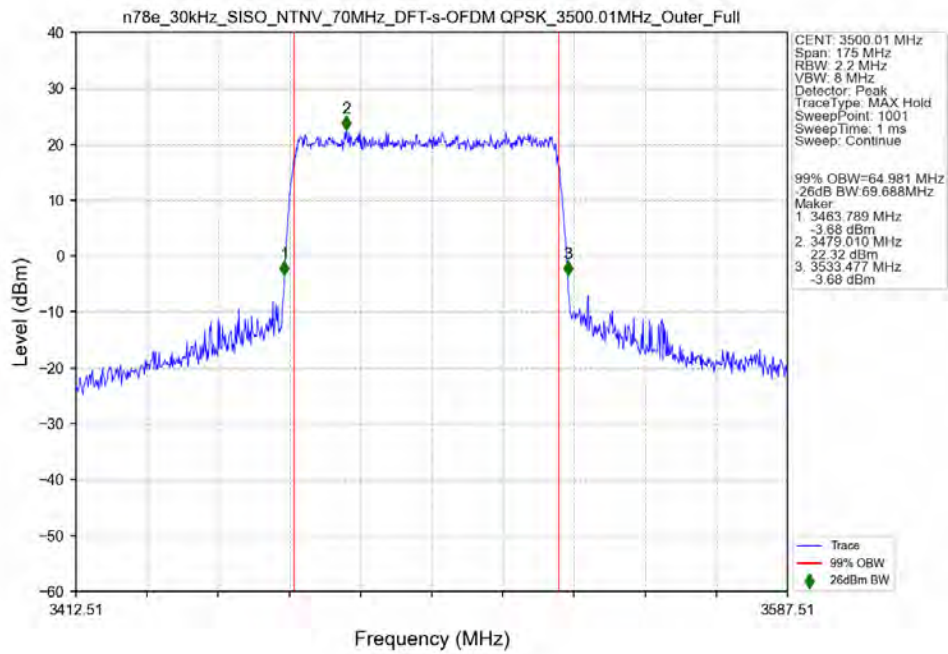
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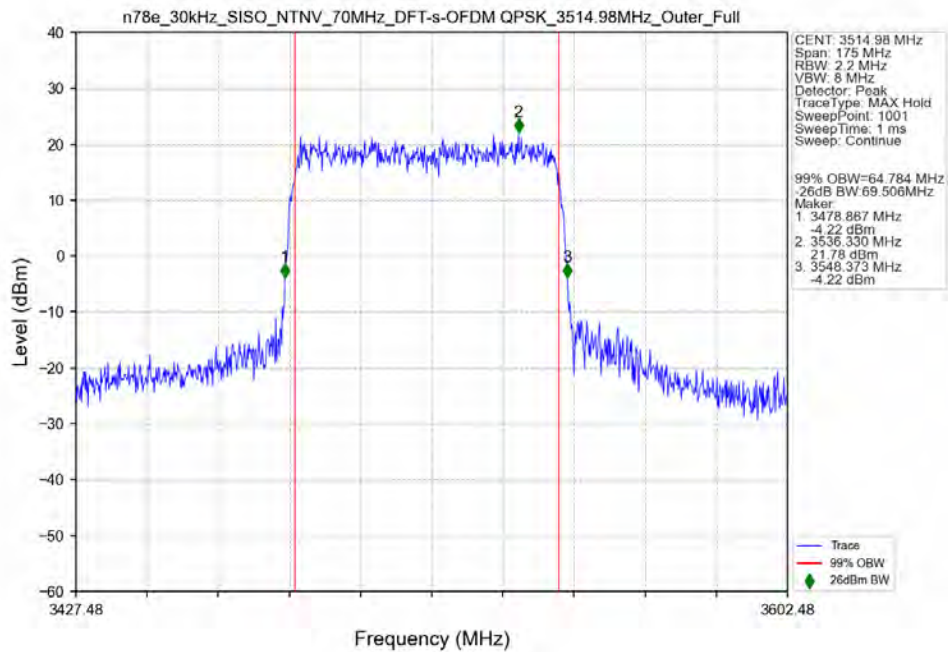
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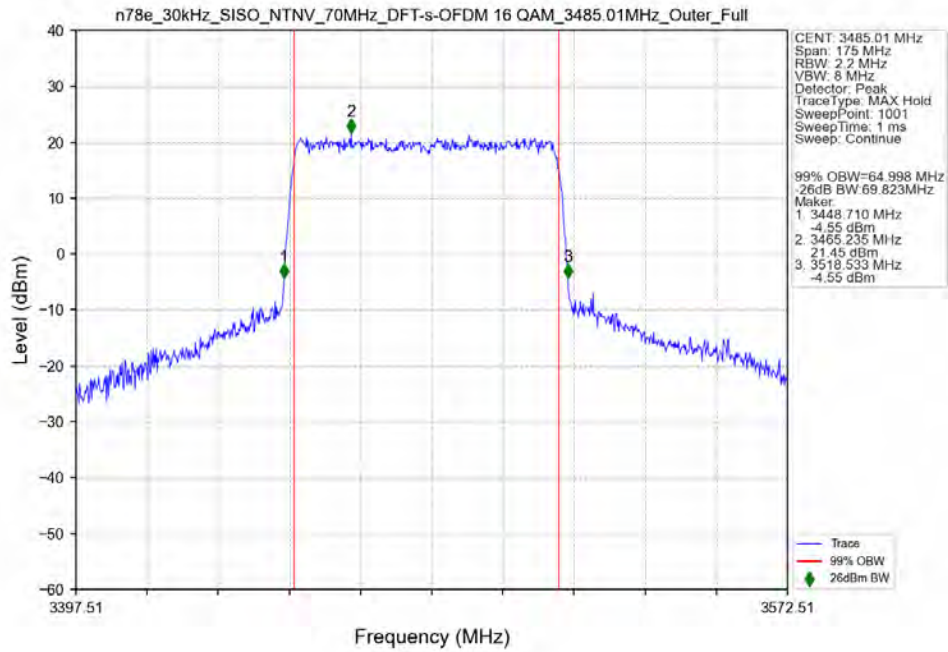
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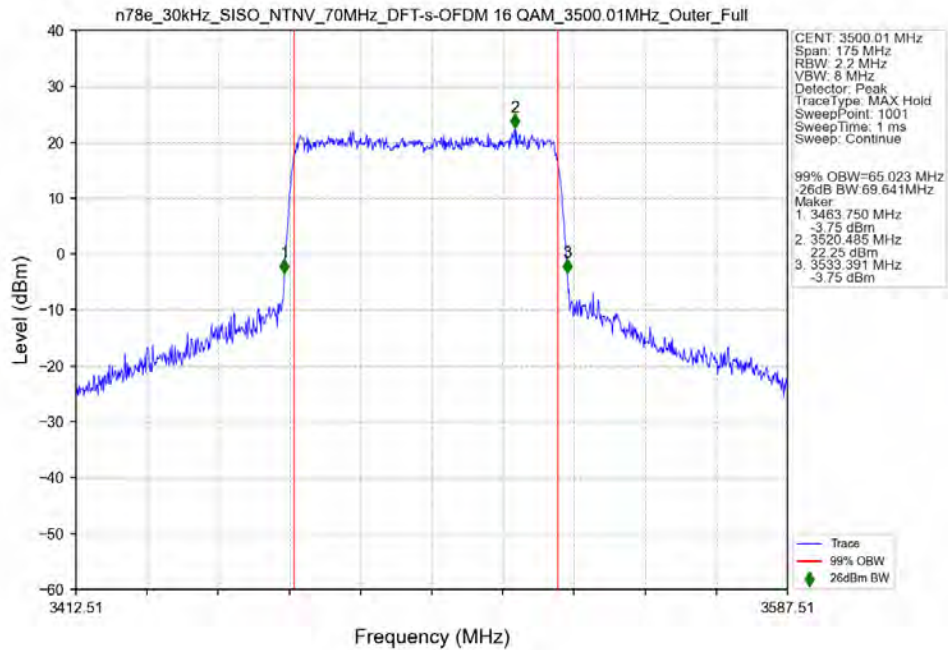
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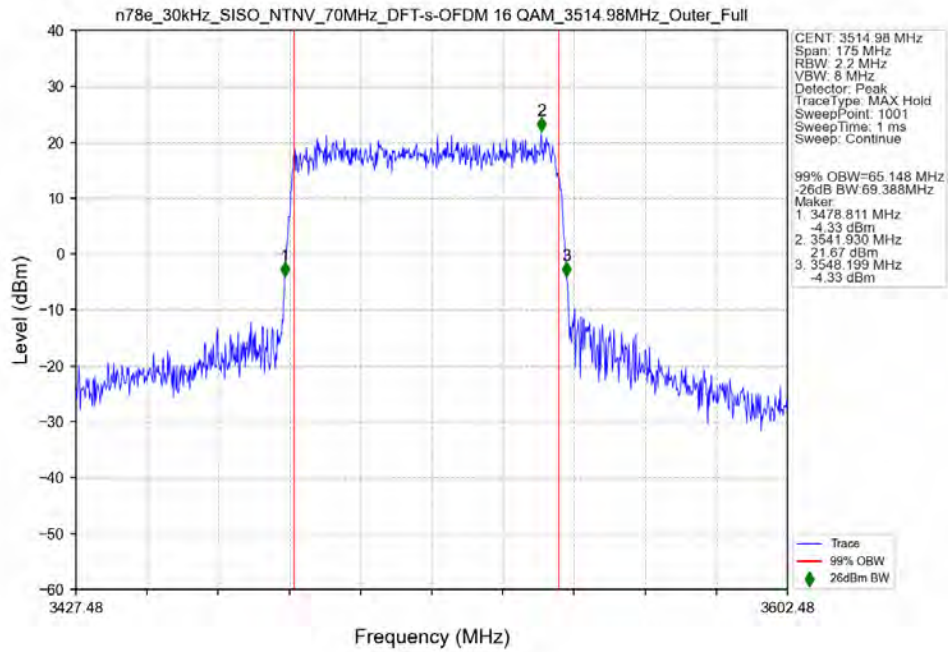
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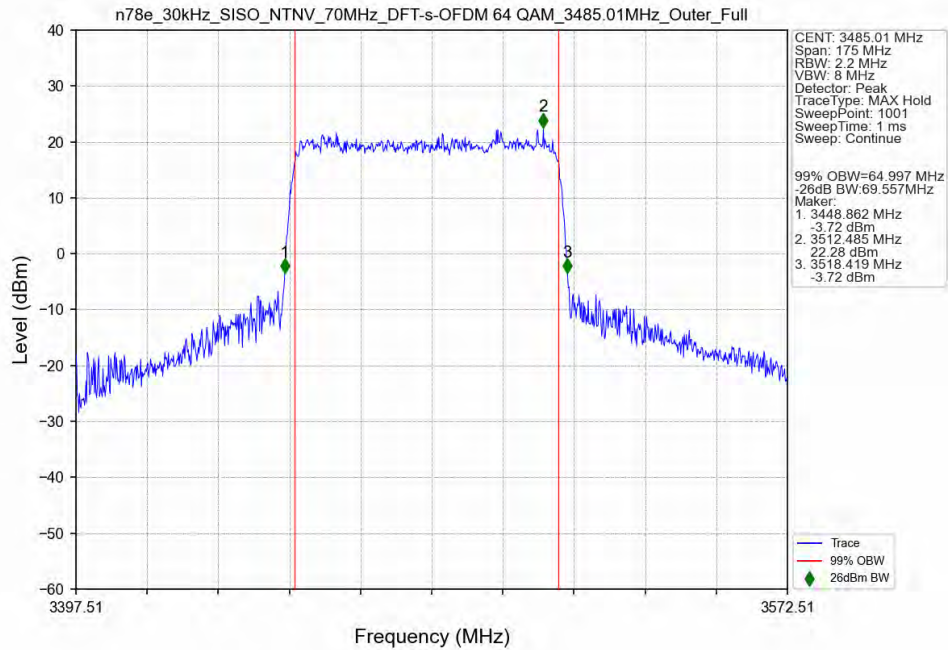
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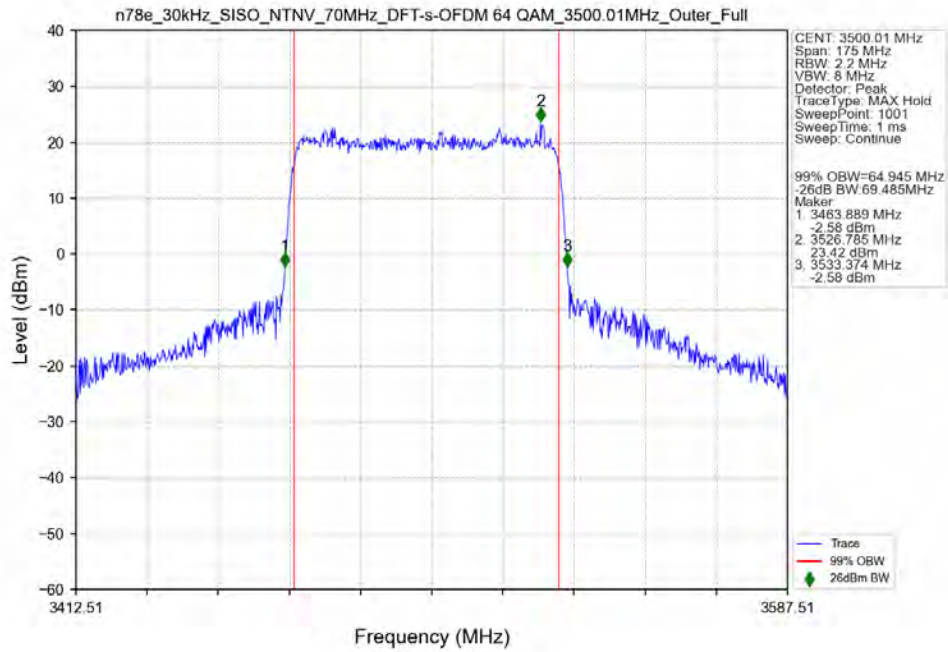
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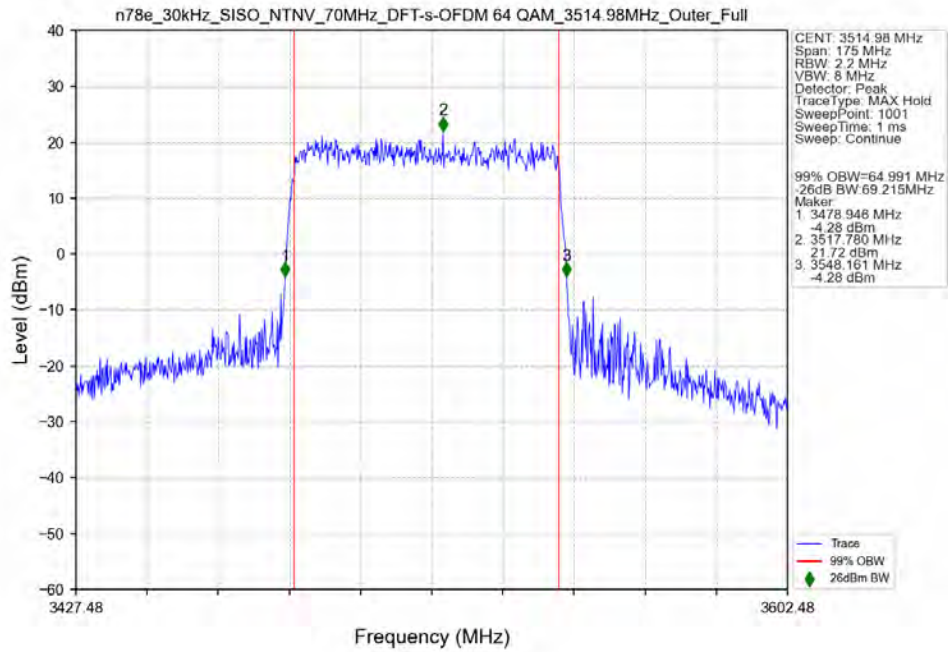
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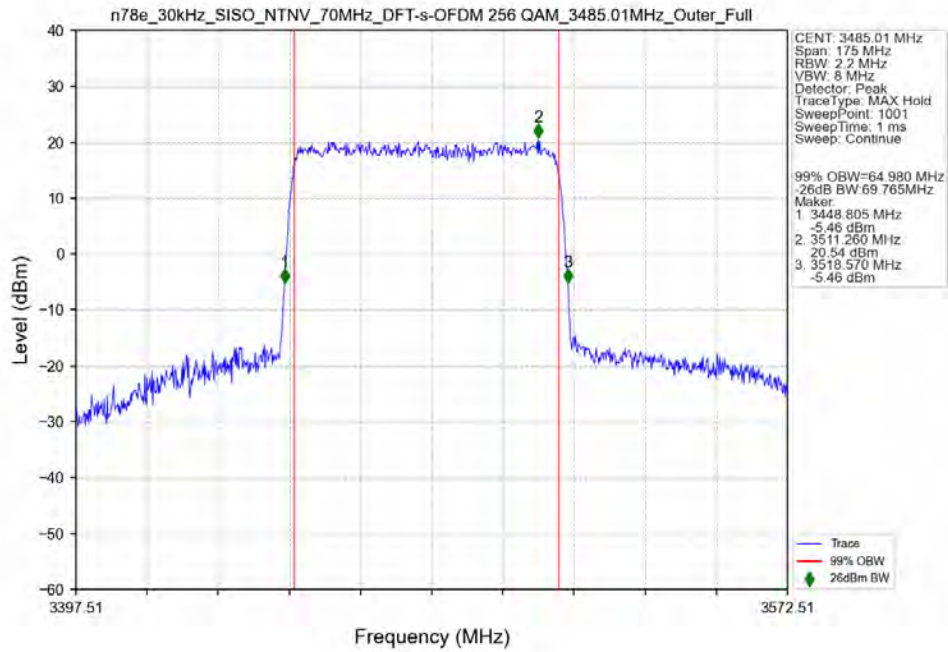
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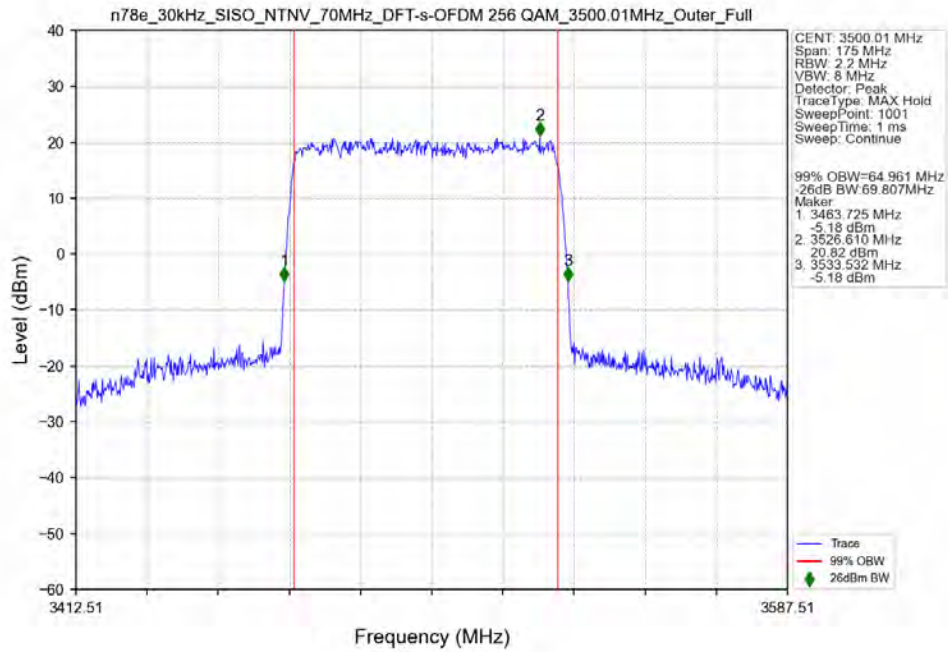
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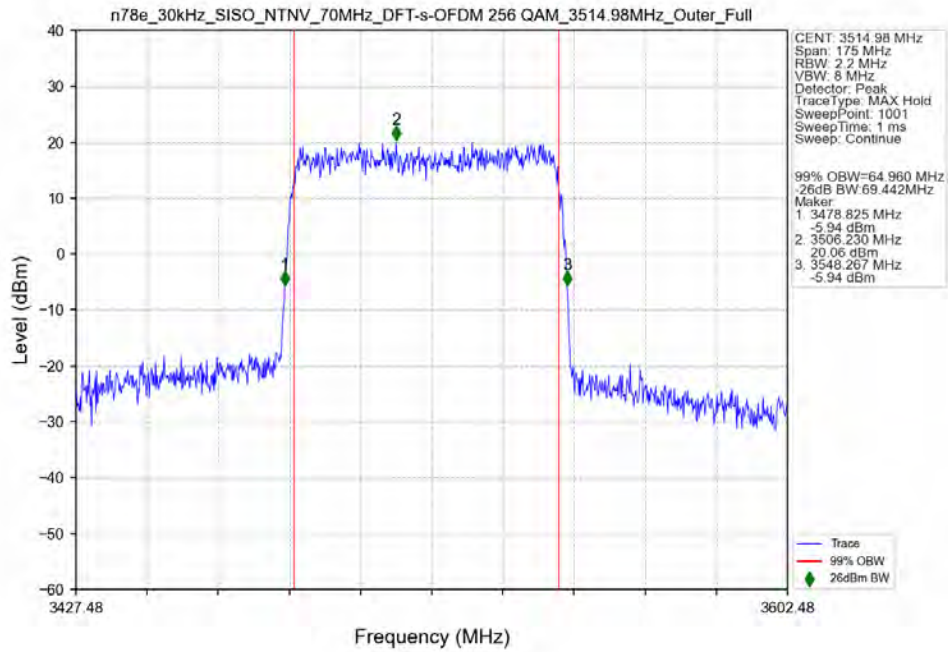
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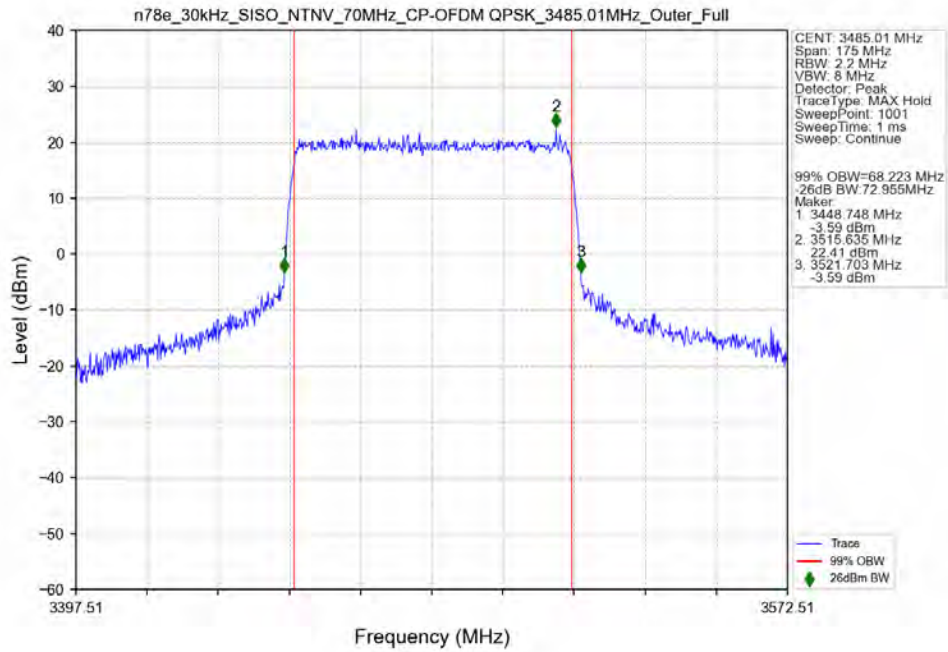
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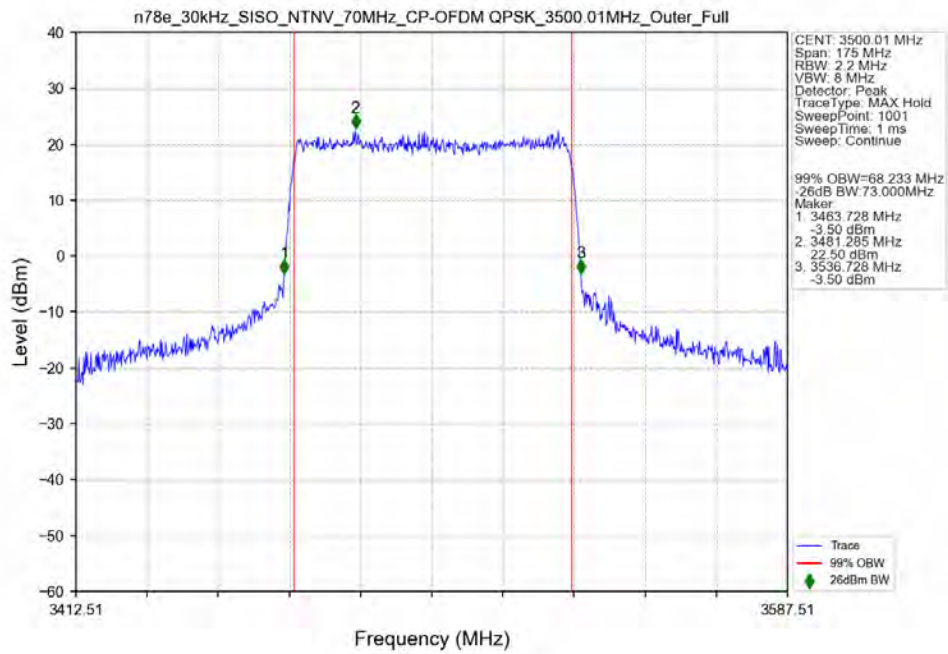
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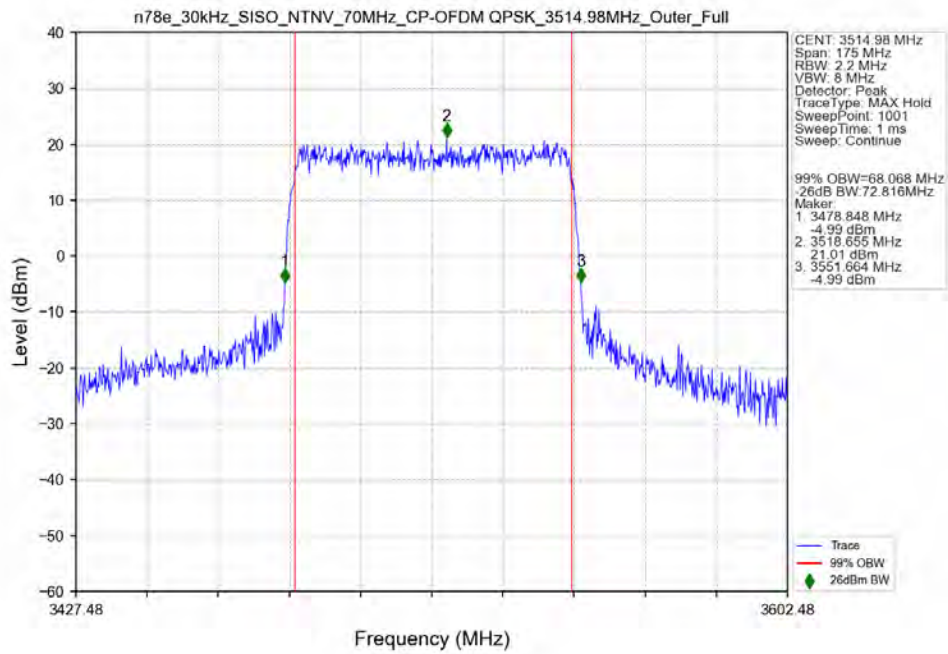
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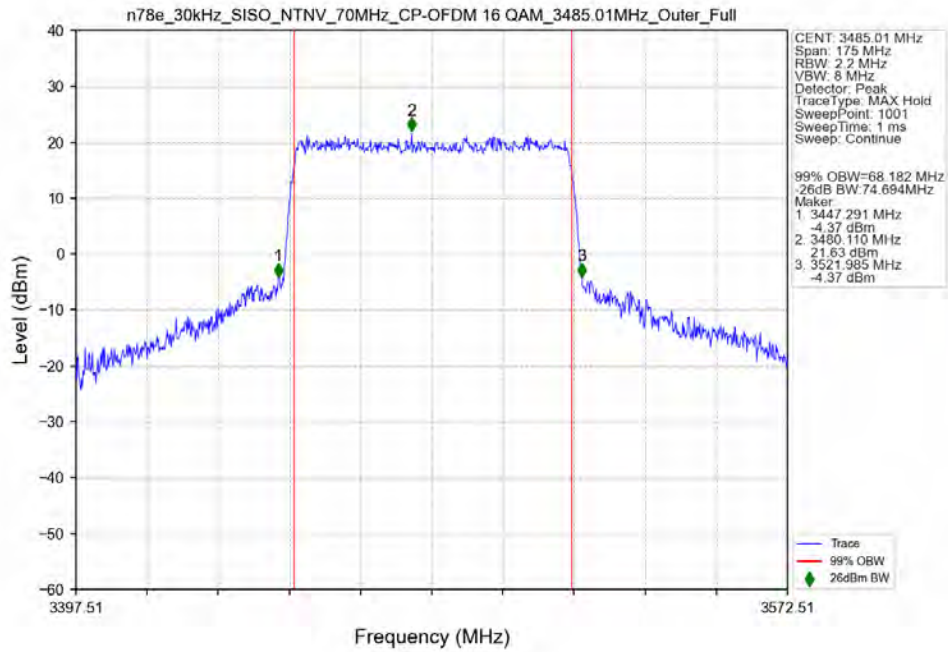
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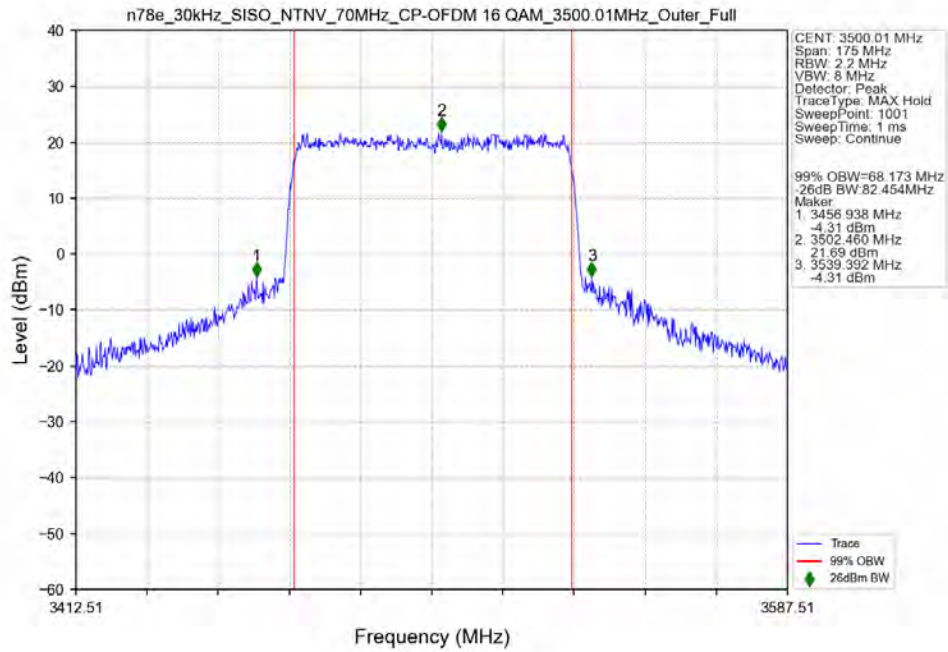
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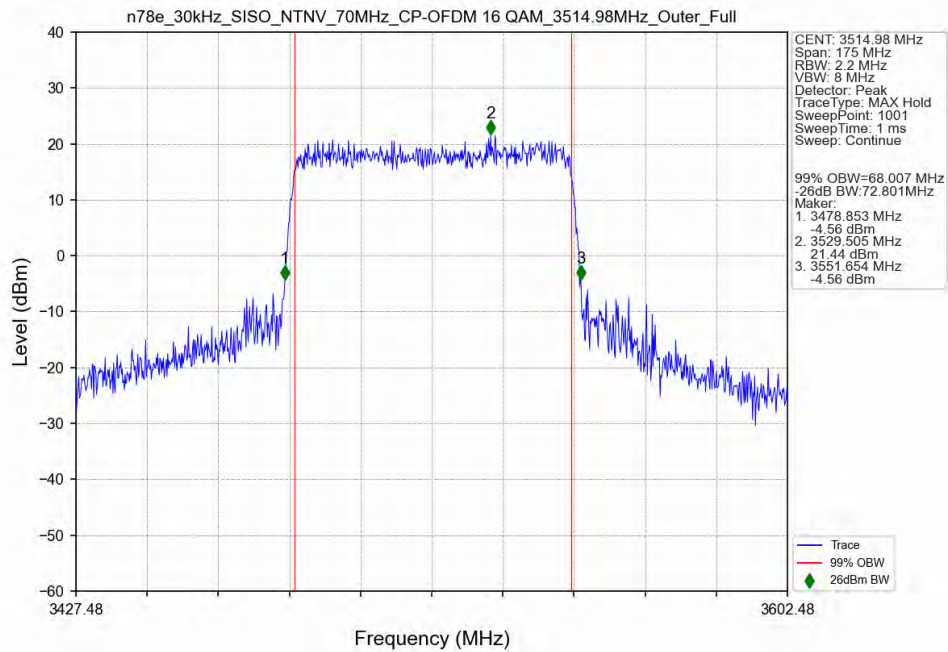
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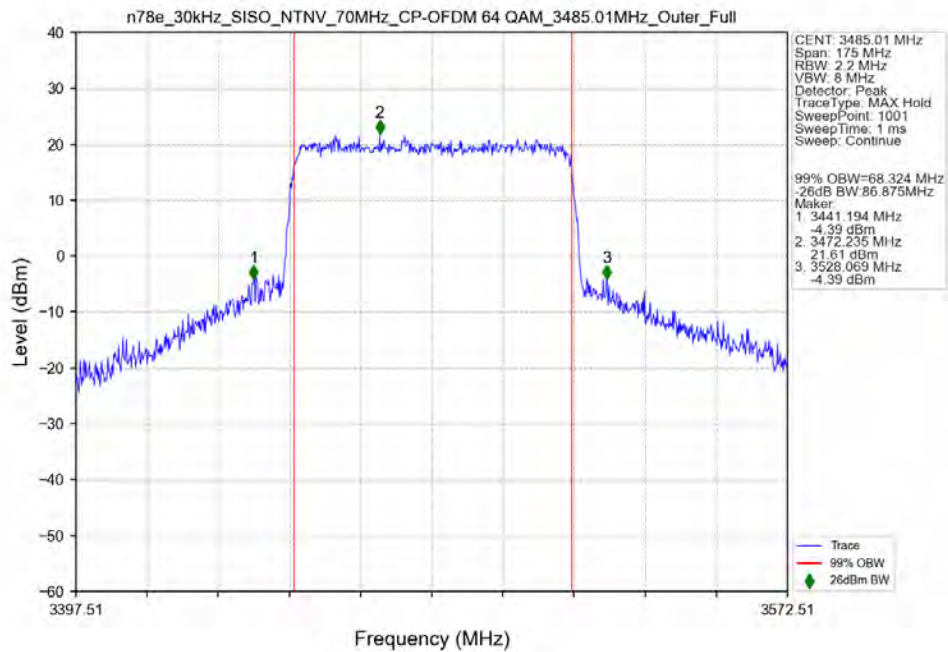
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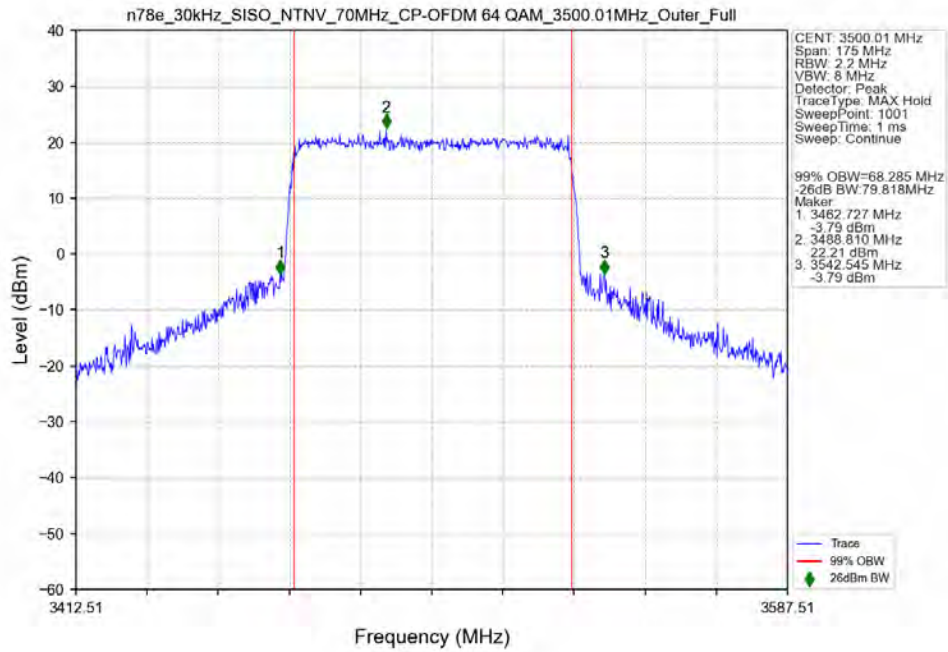
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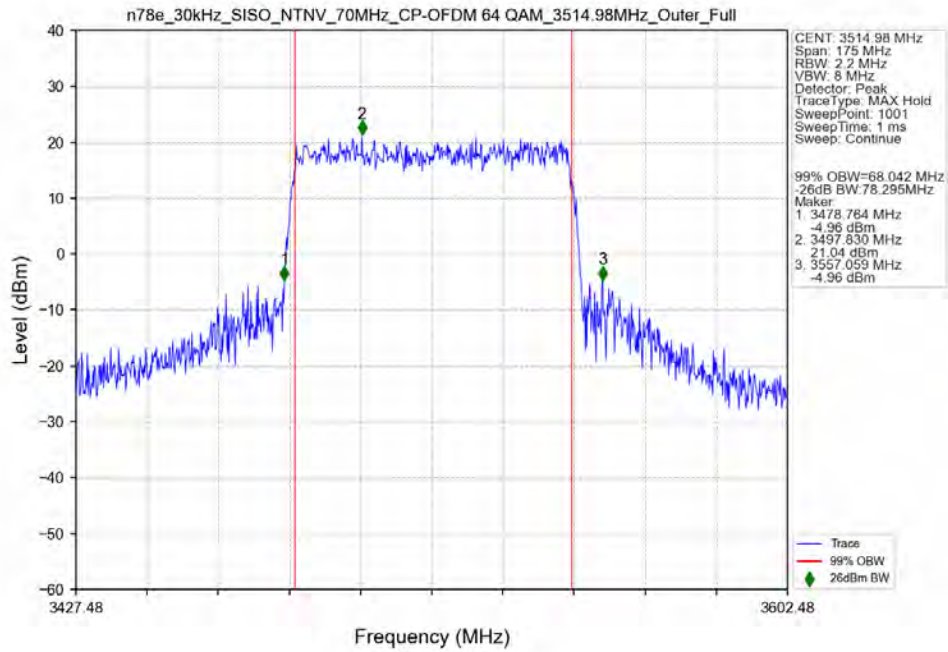
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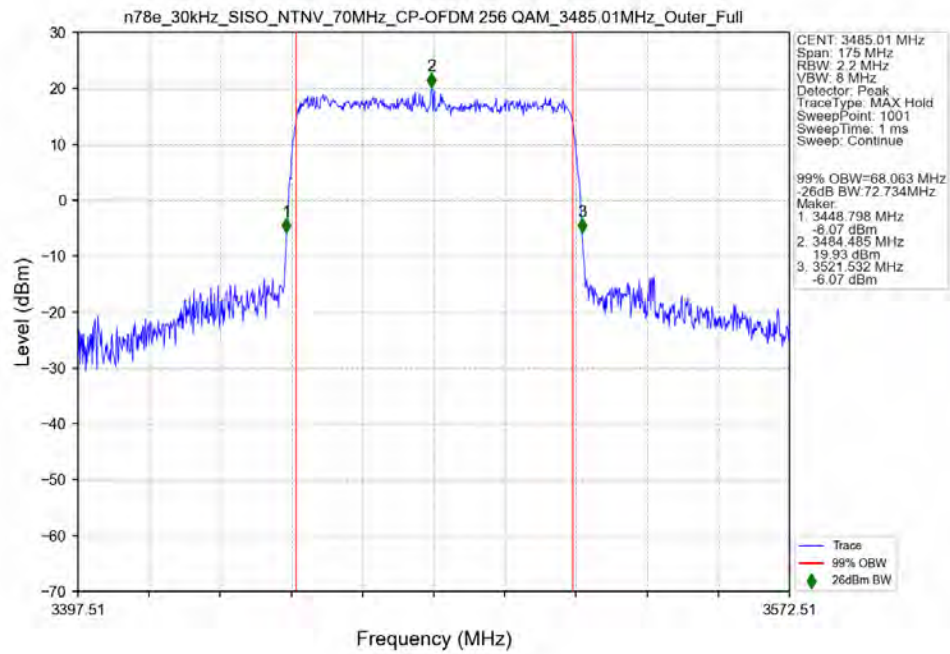
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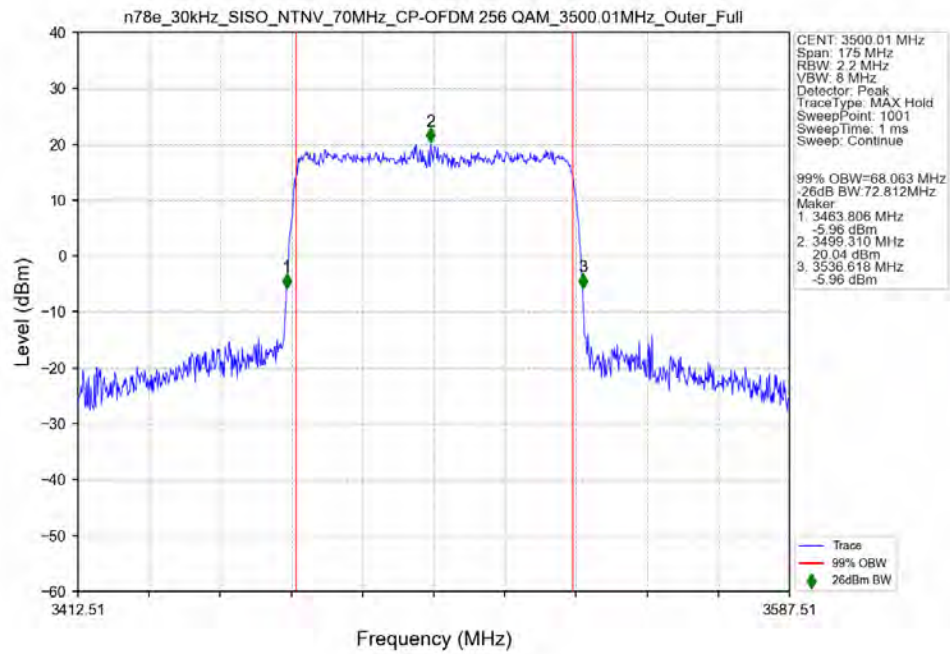
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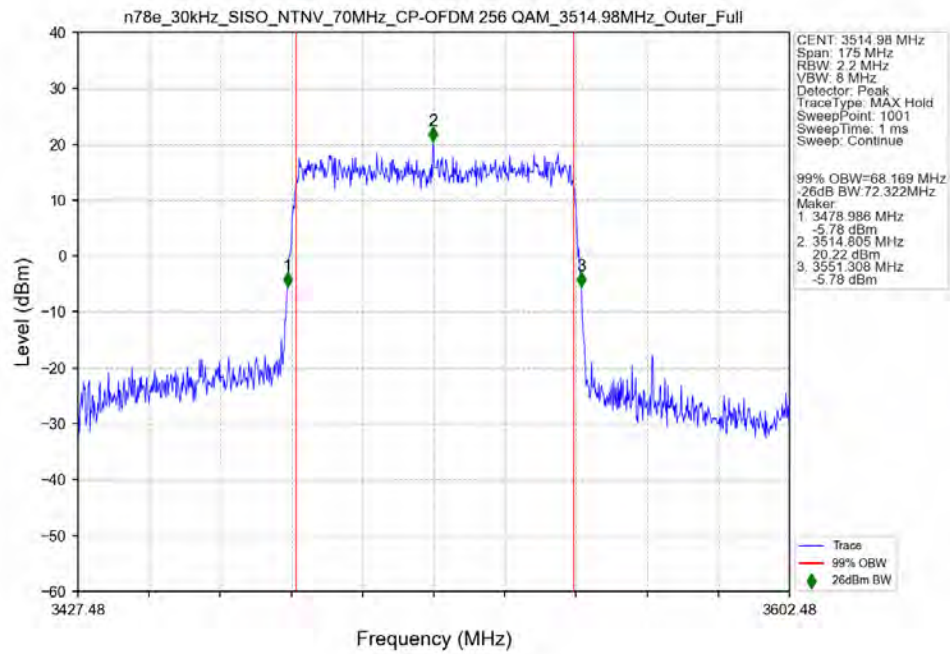
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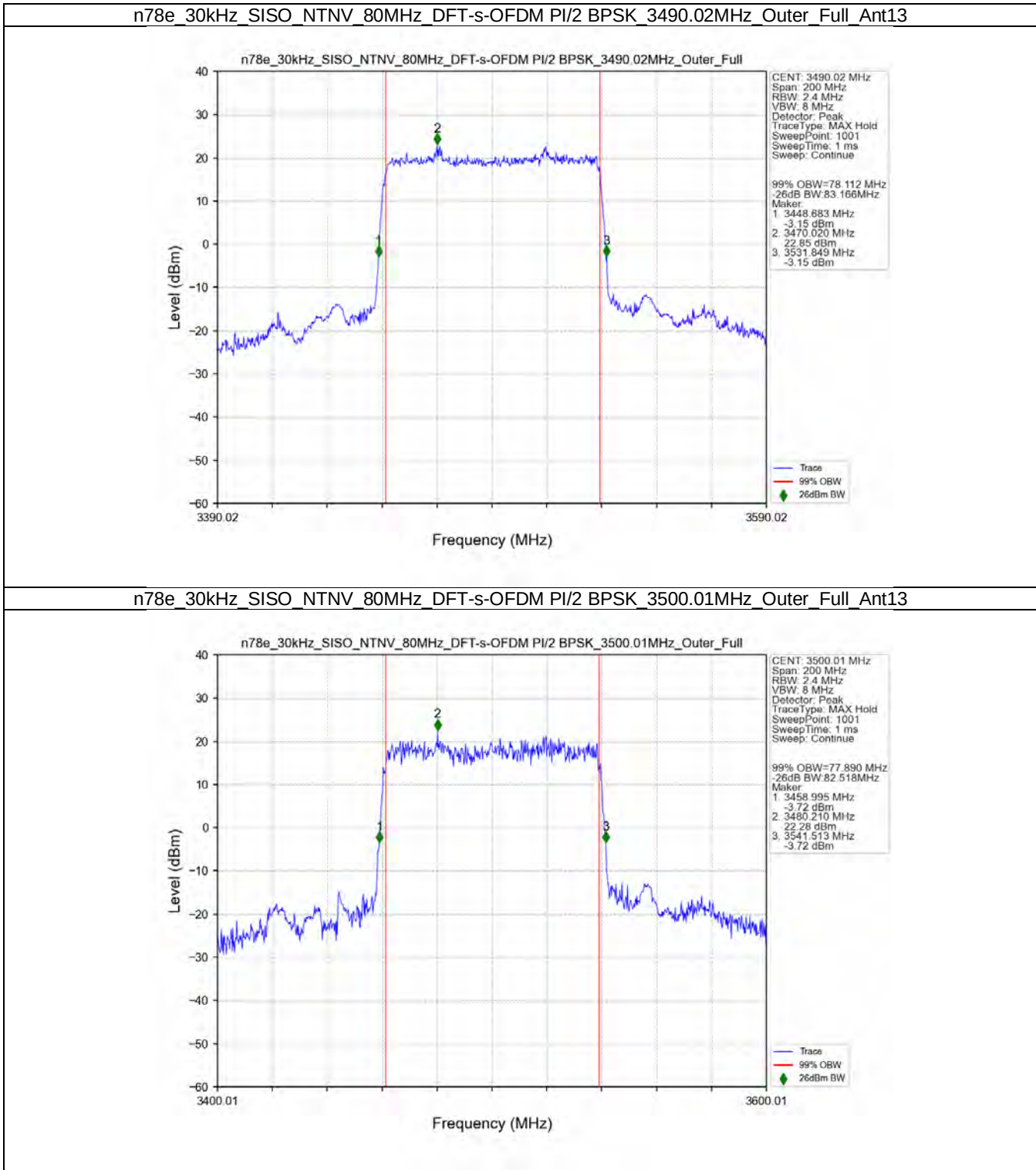
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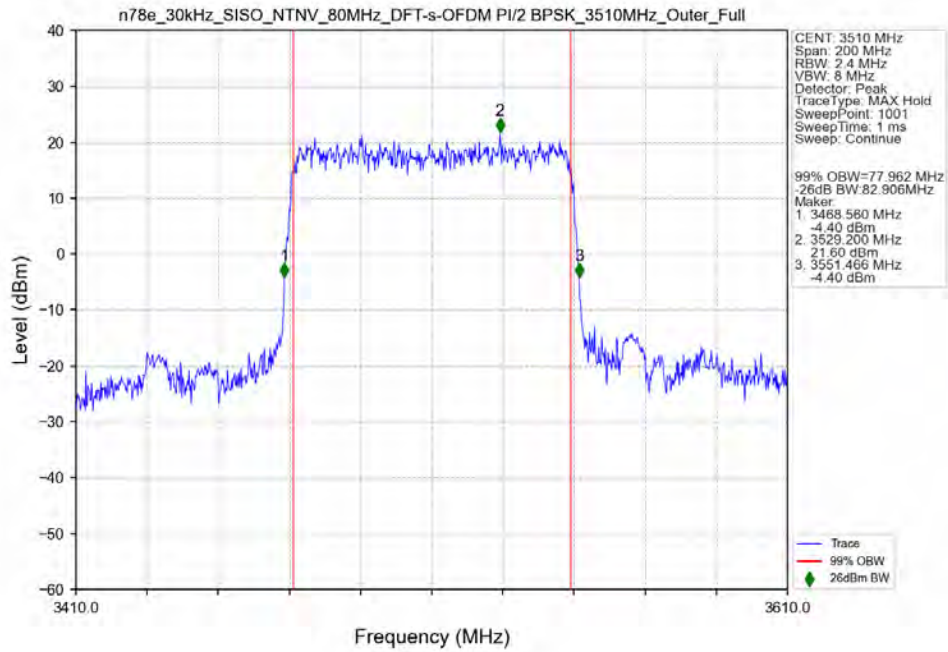
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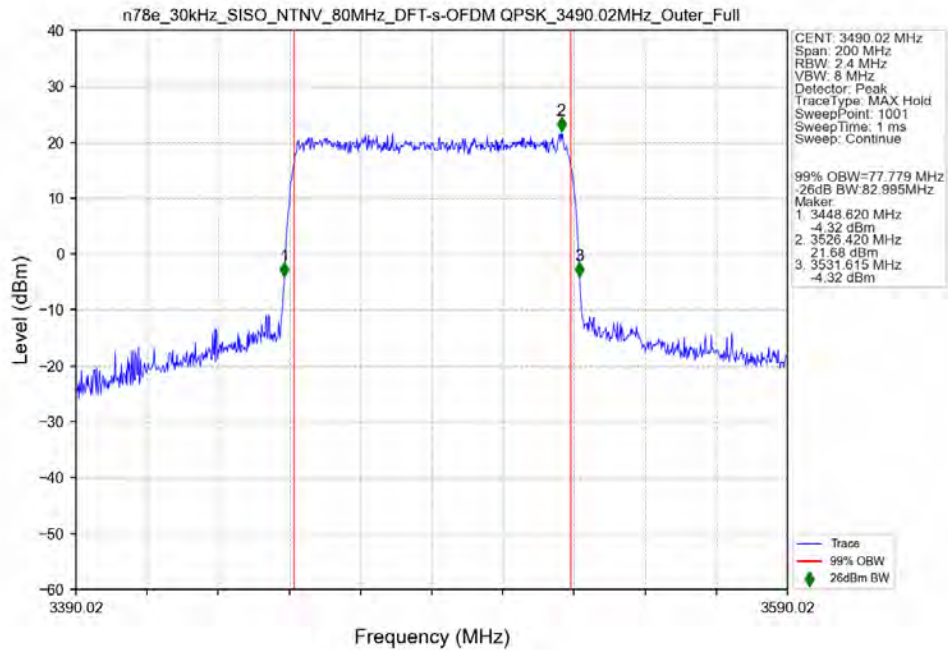
3.2.9 30k_SISO_80MHz_NTNV



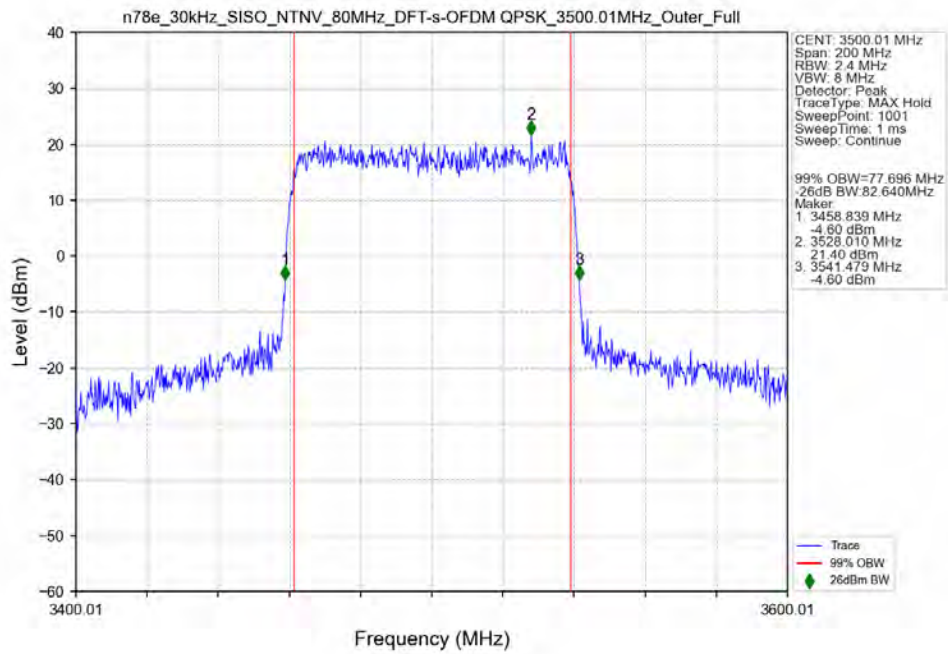
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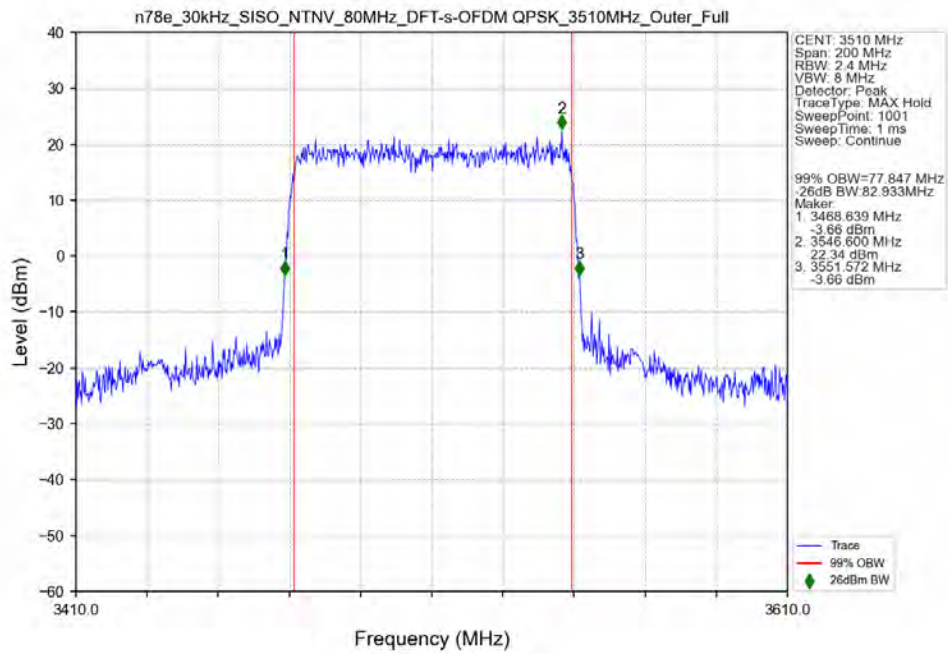
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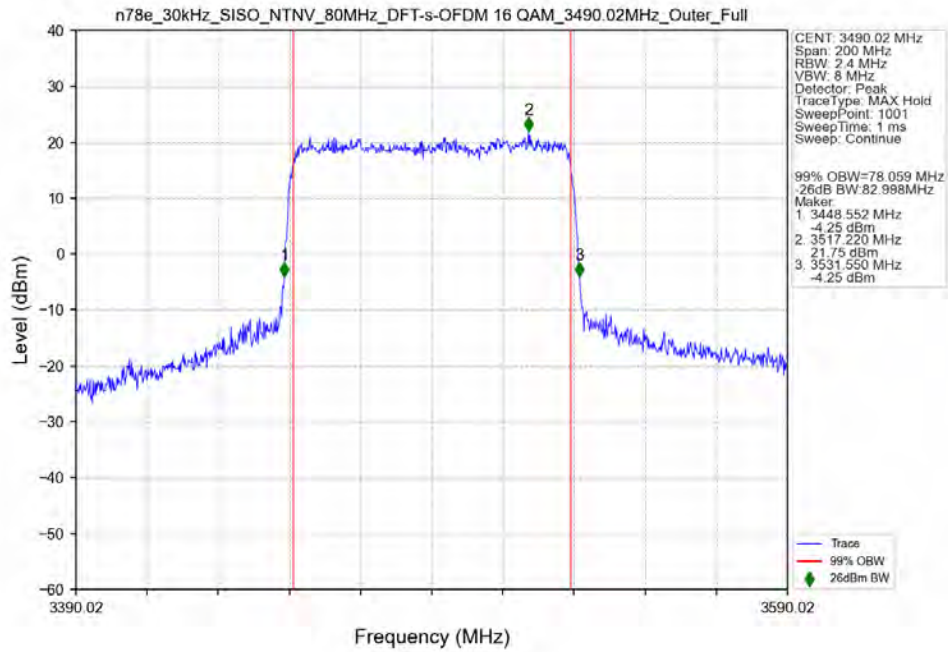
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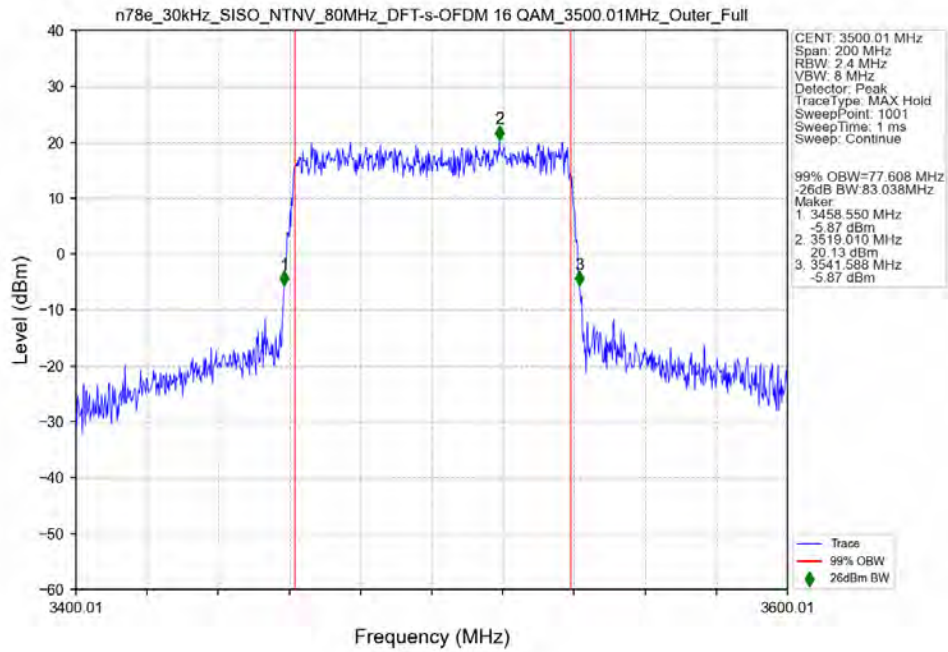
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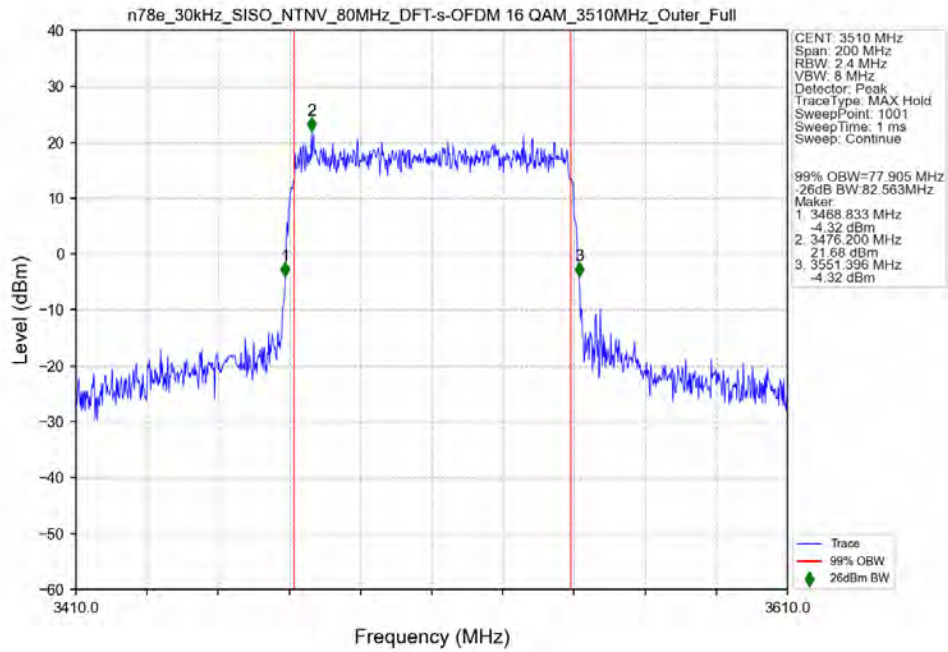
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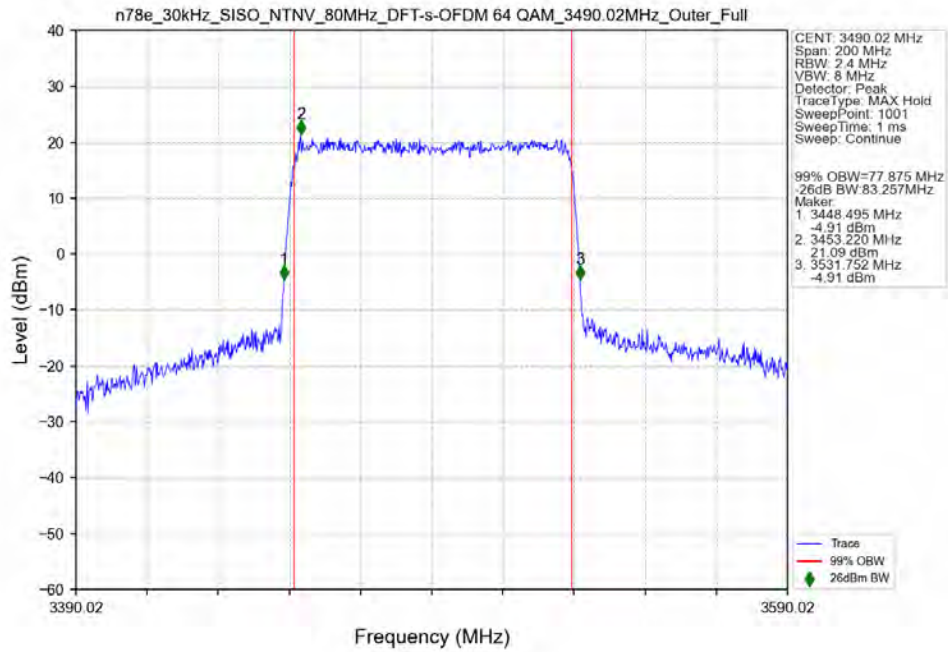
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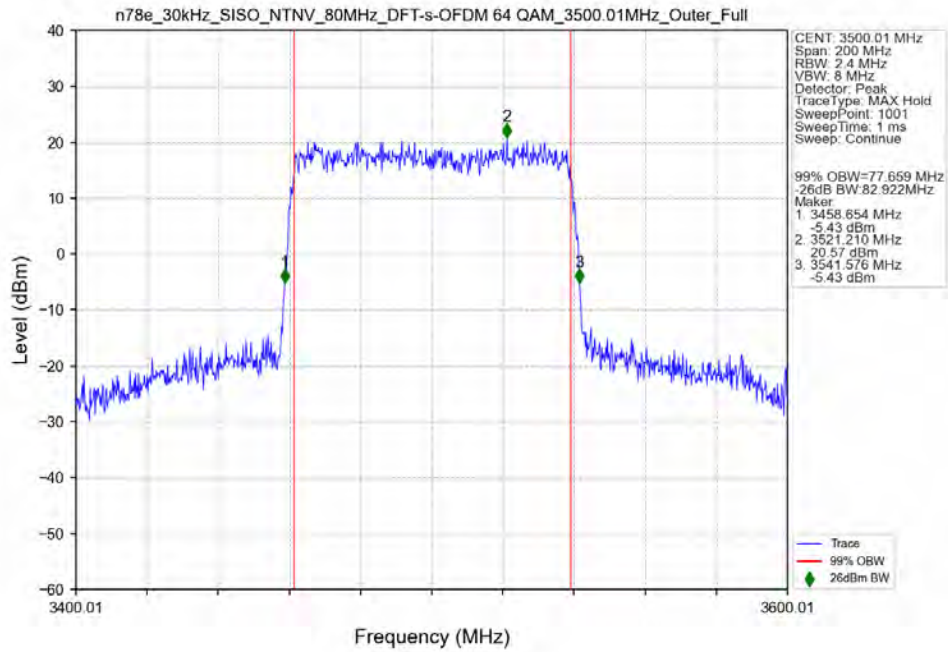
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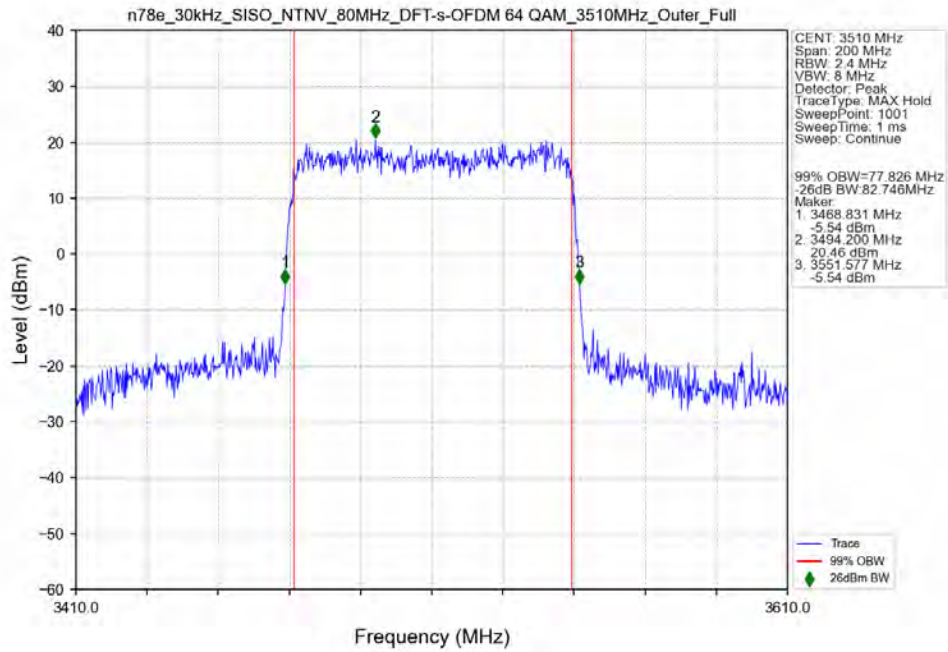
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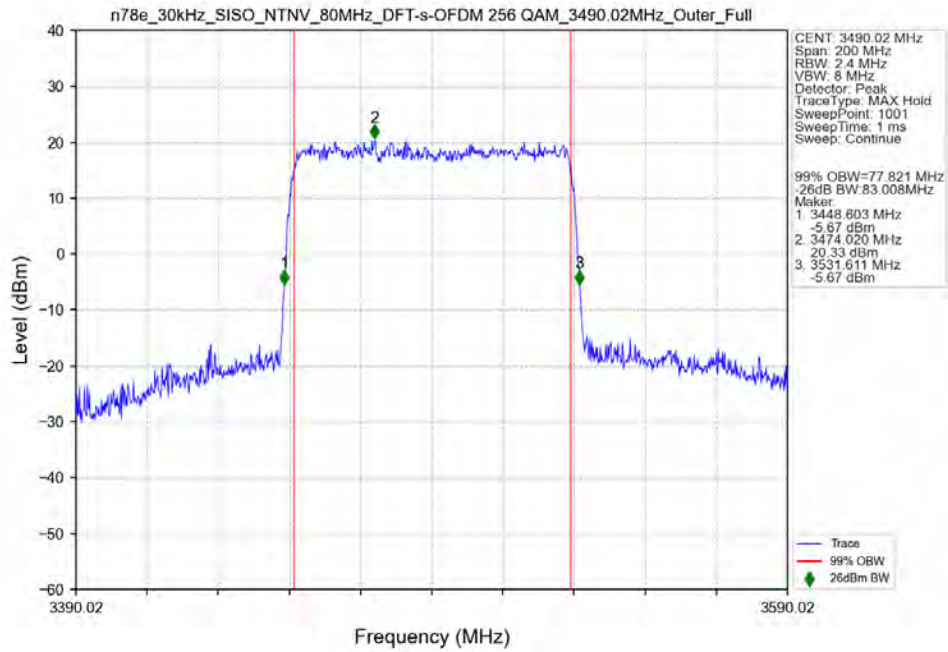
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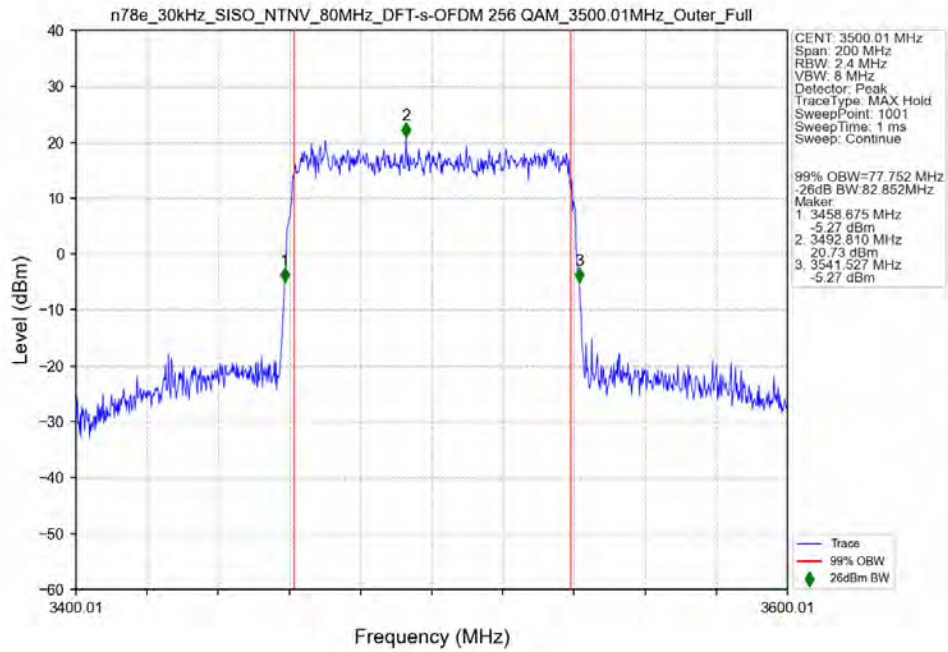
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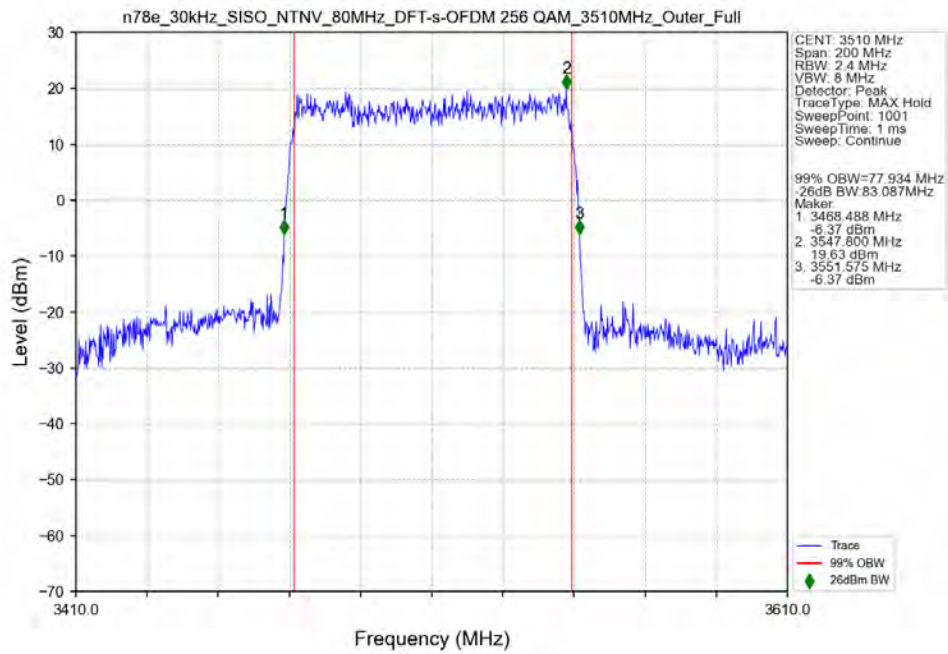
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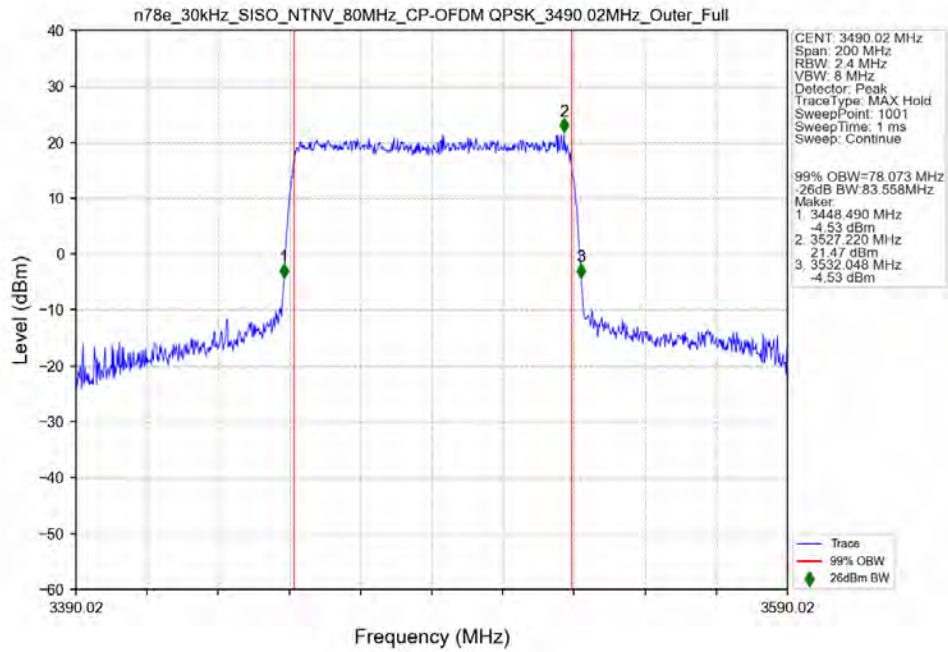
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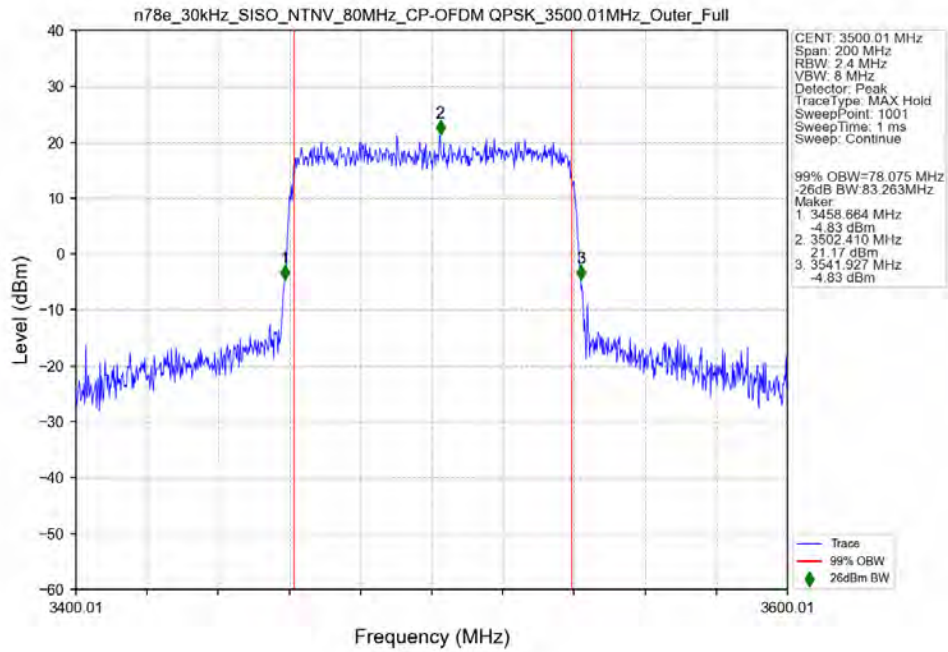
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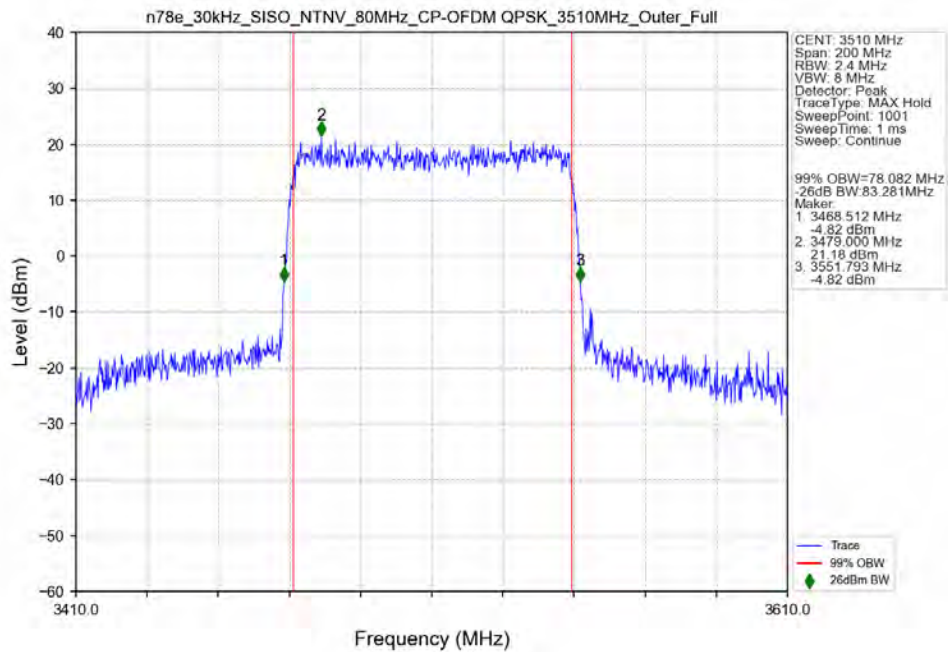
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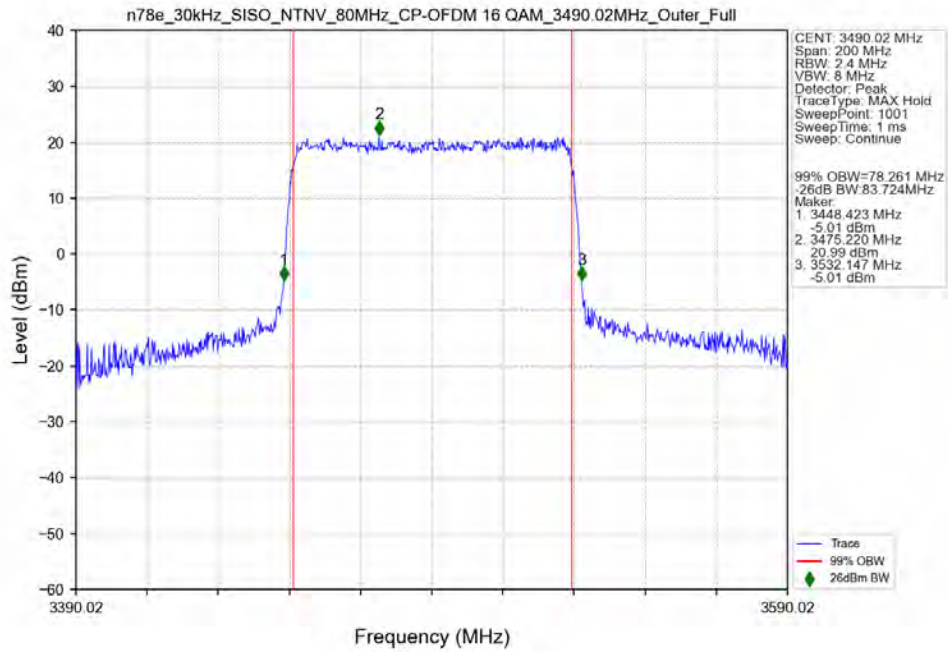
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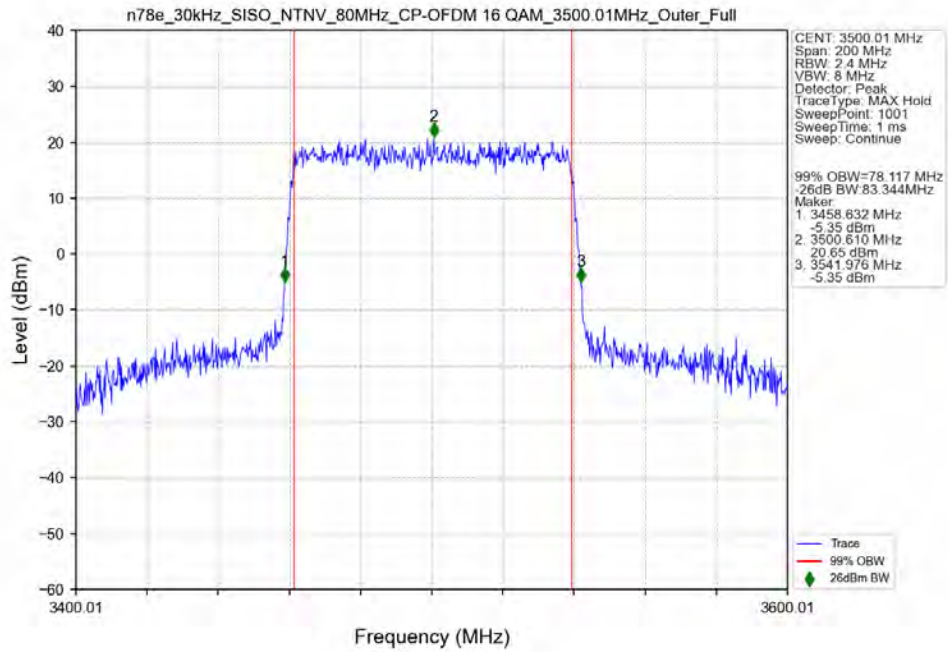
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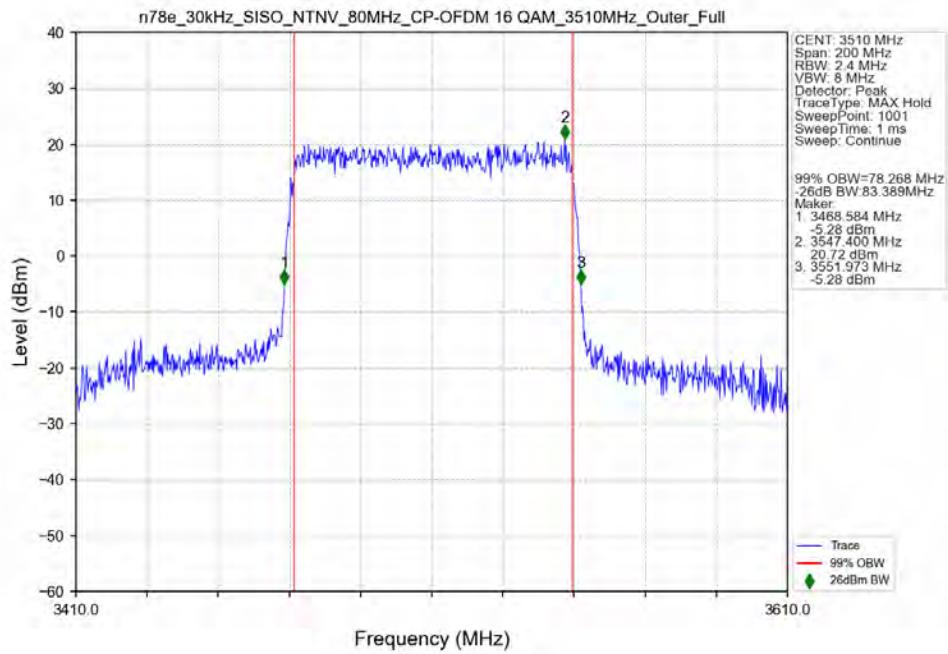
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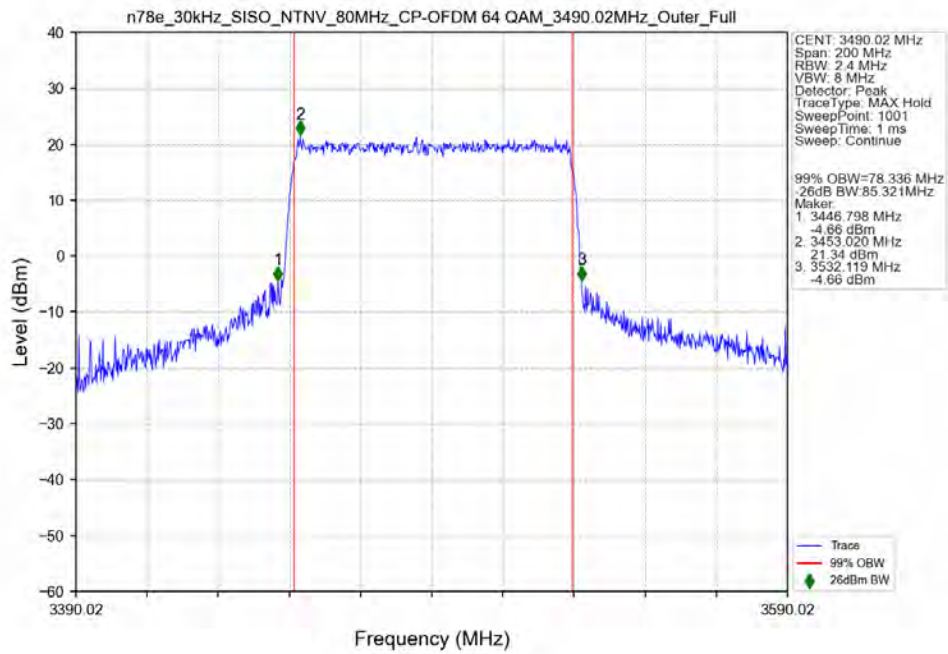
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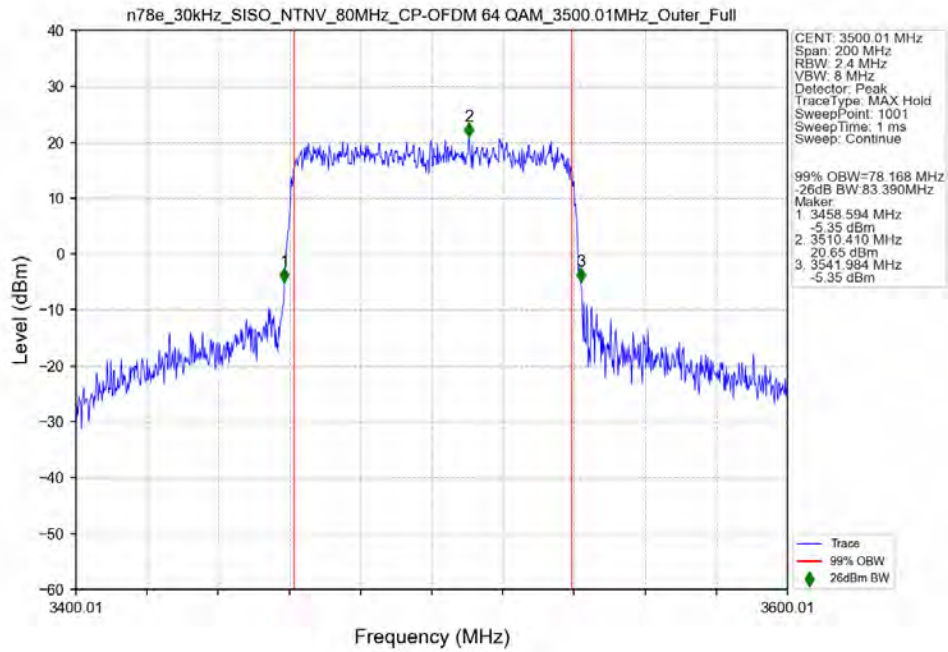
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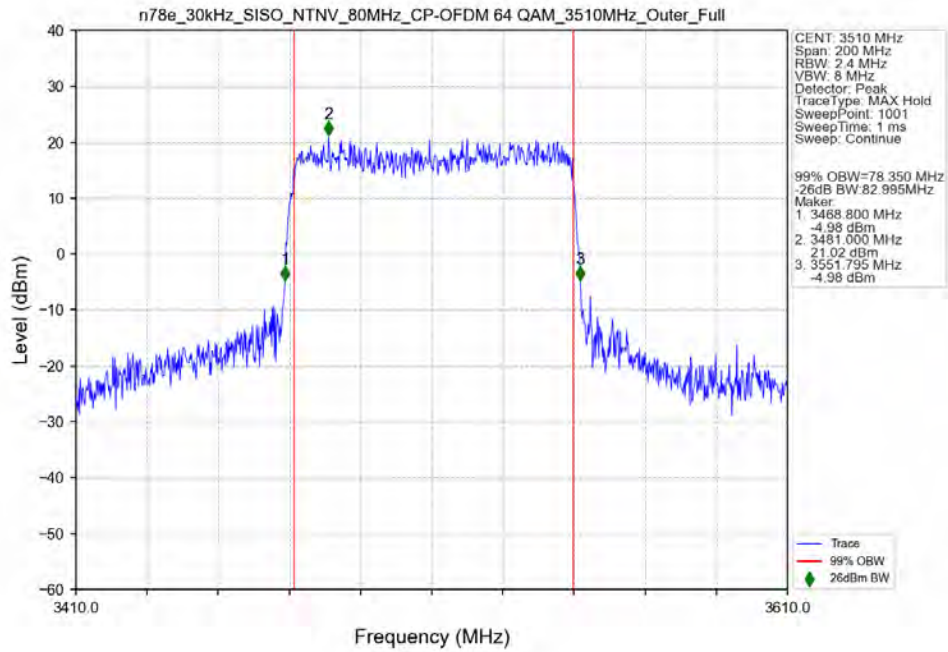
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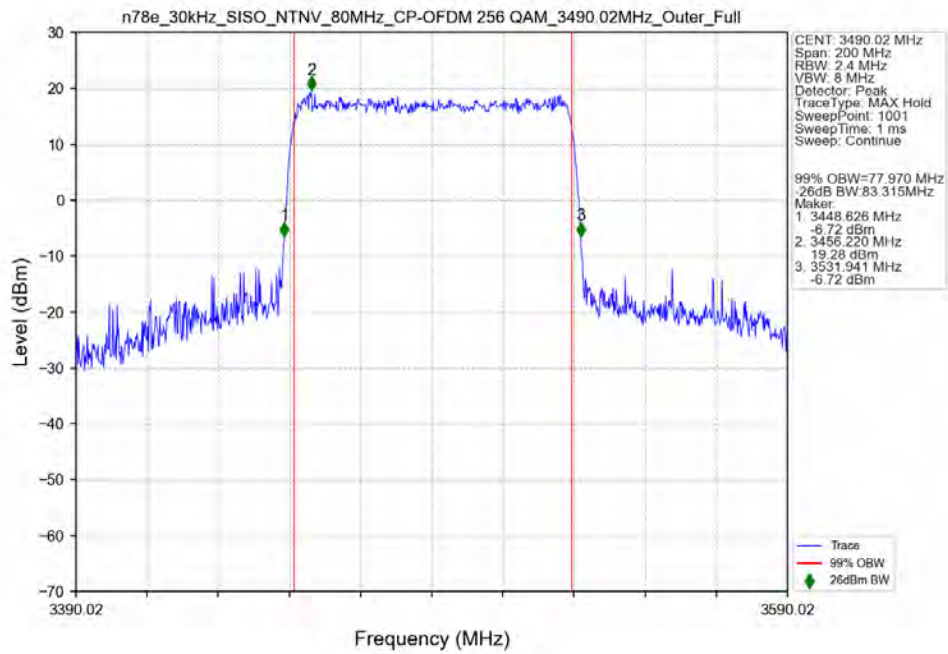
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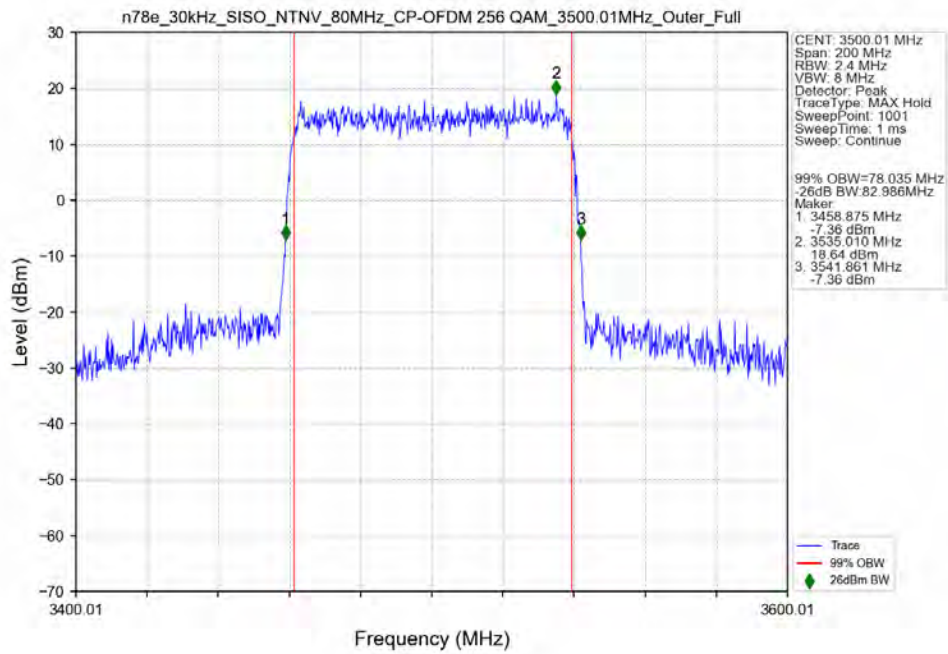
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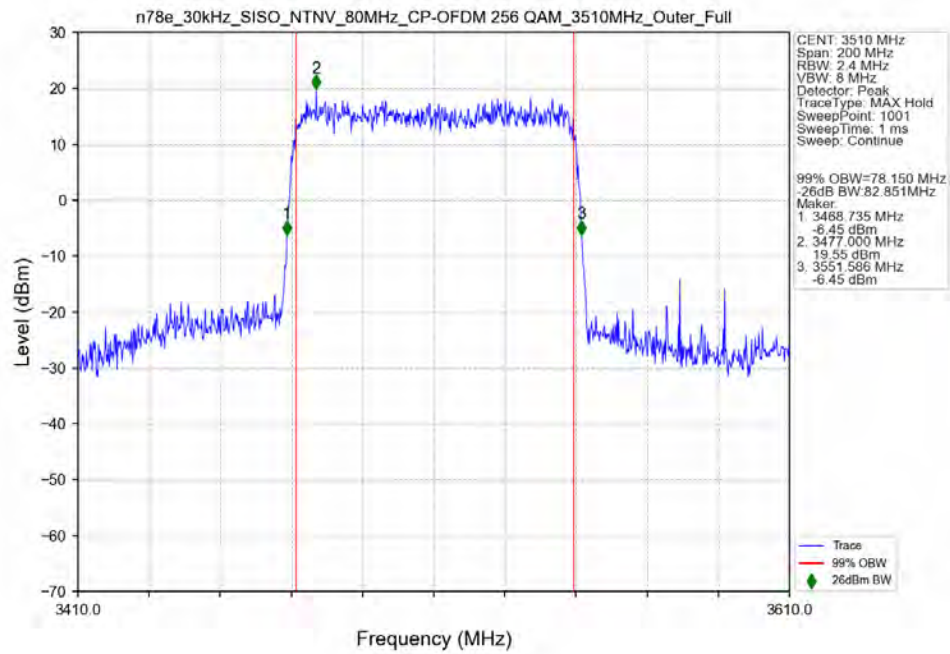
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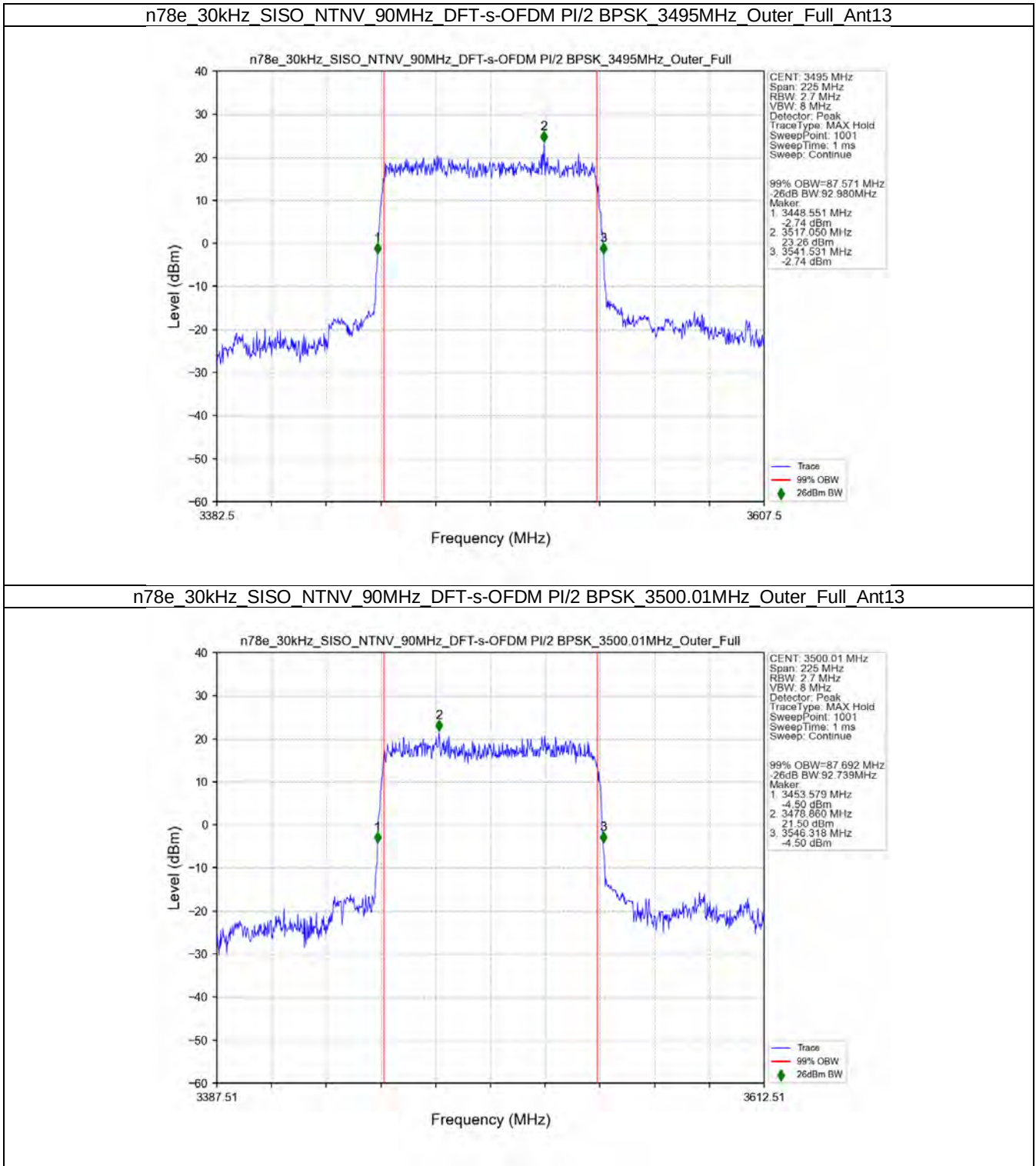
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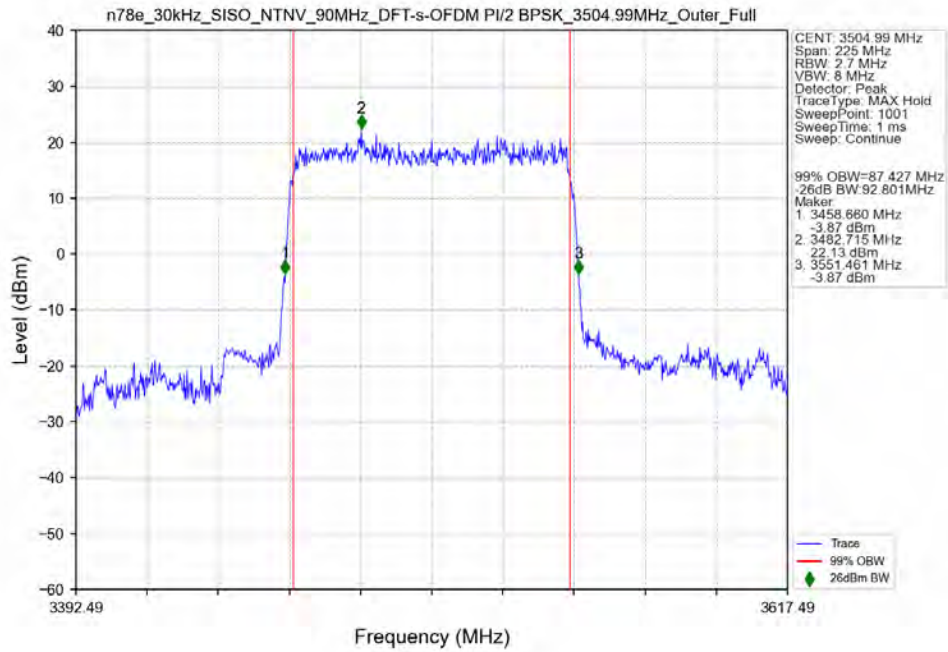
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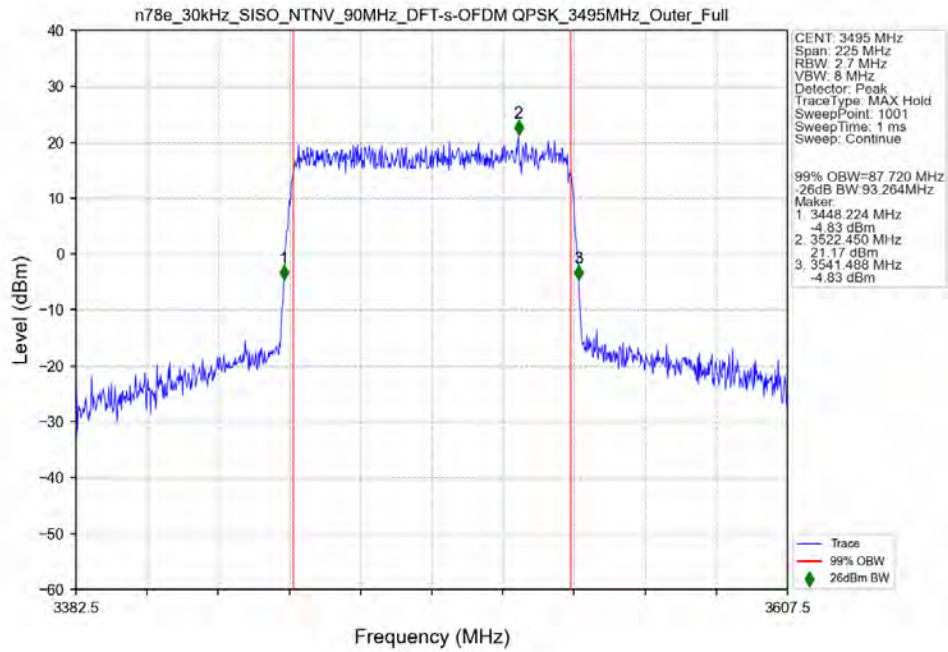
3.2.10 30k_SISO_90MHz_NTNV



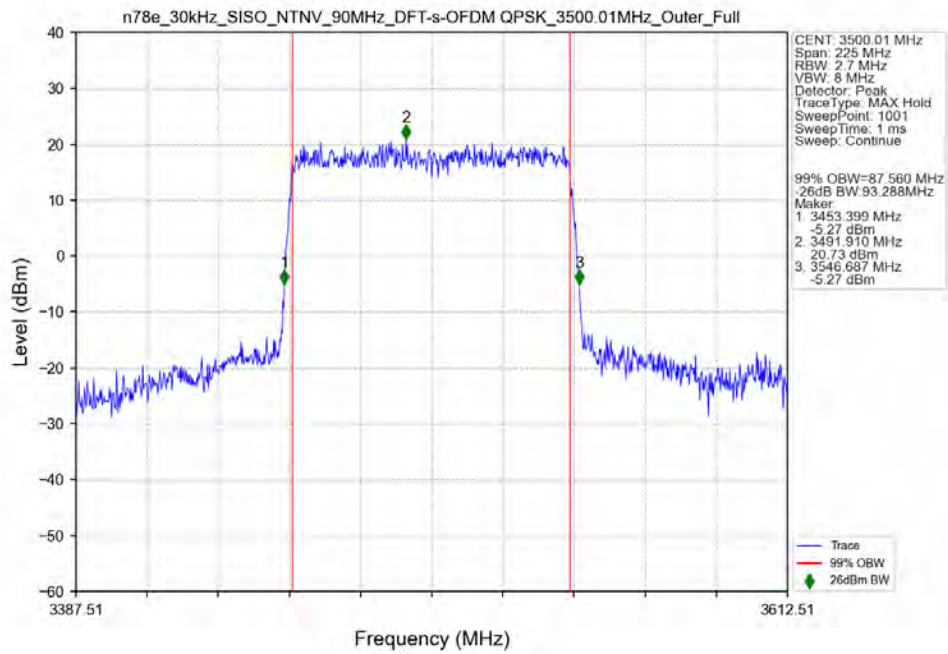
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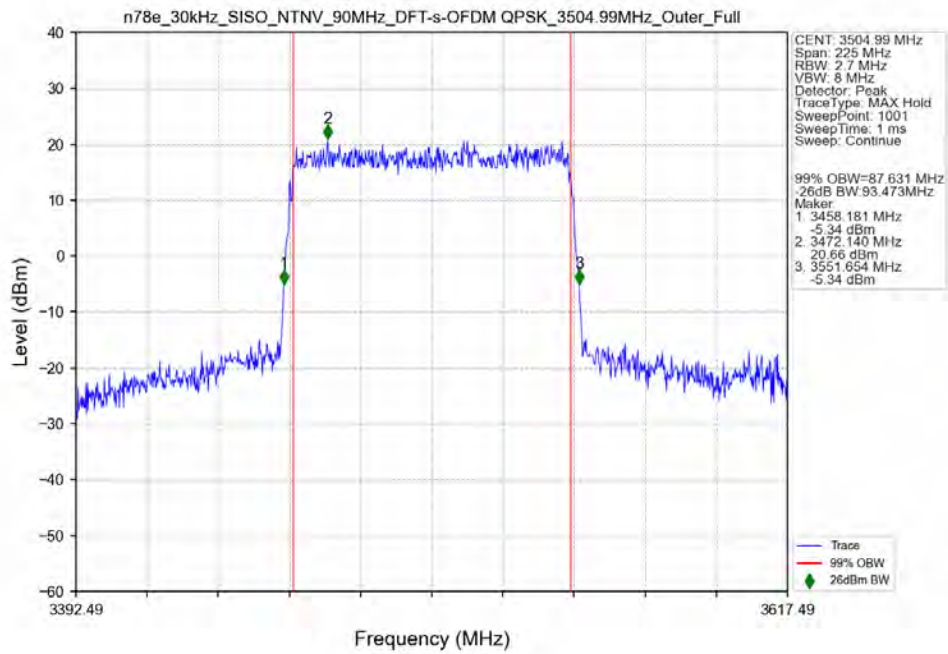
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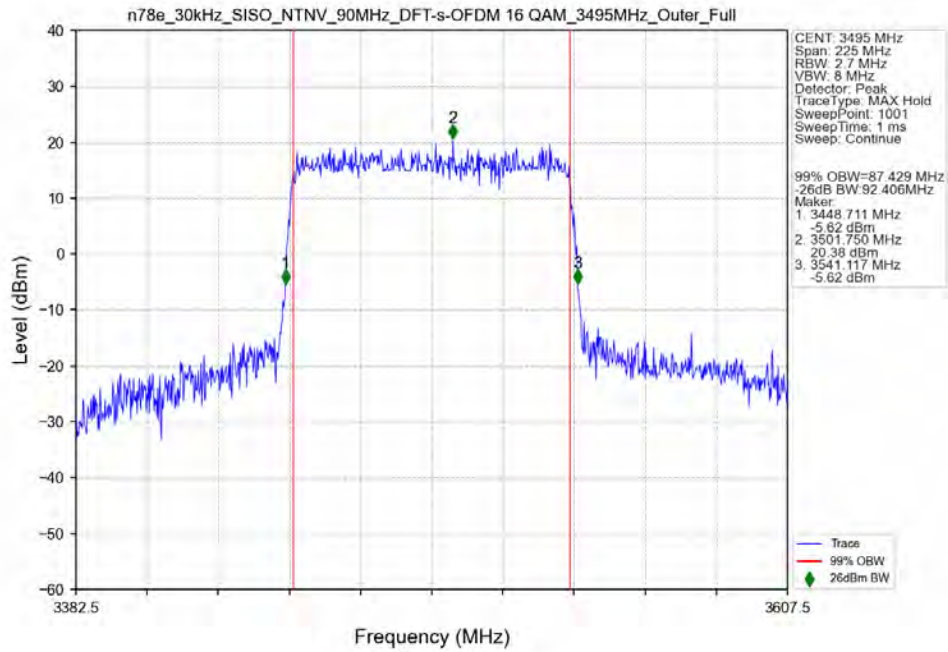
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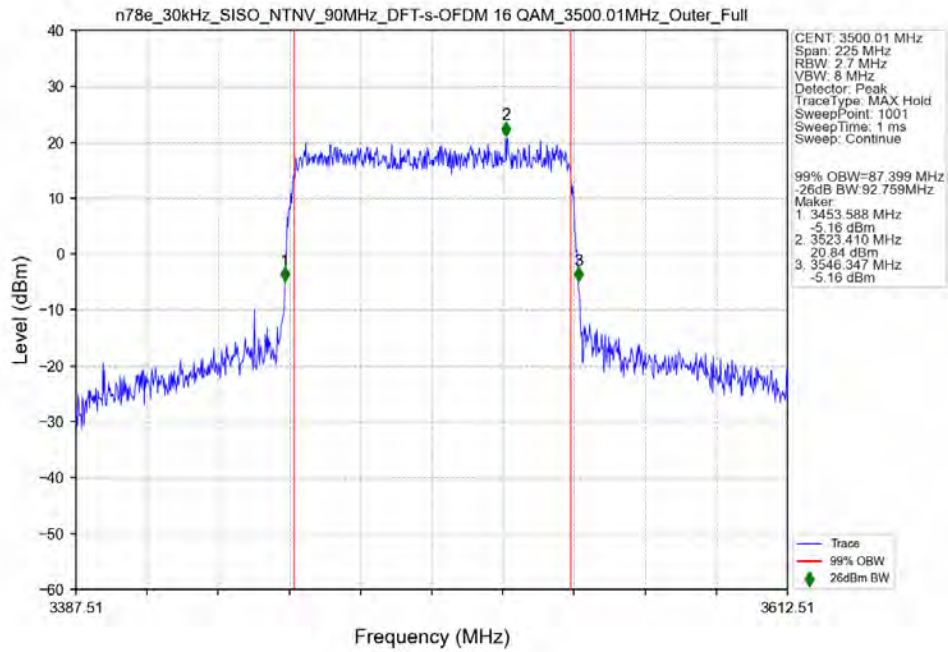
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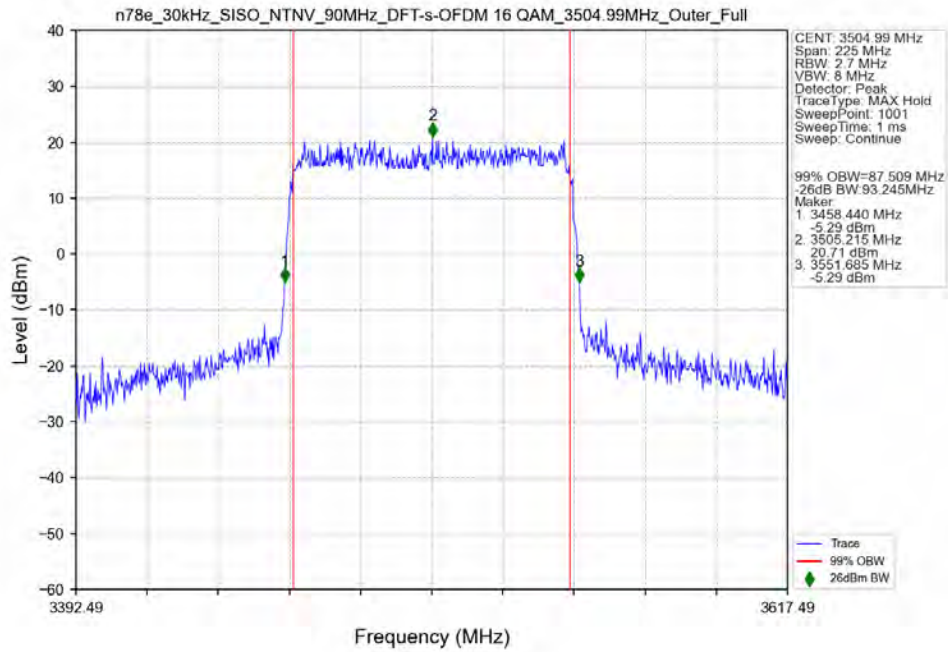
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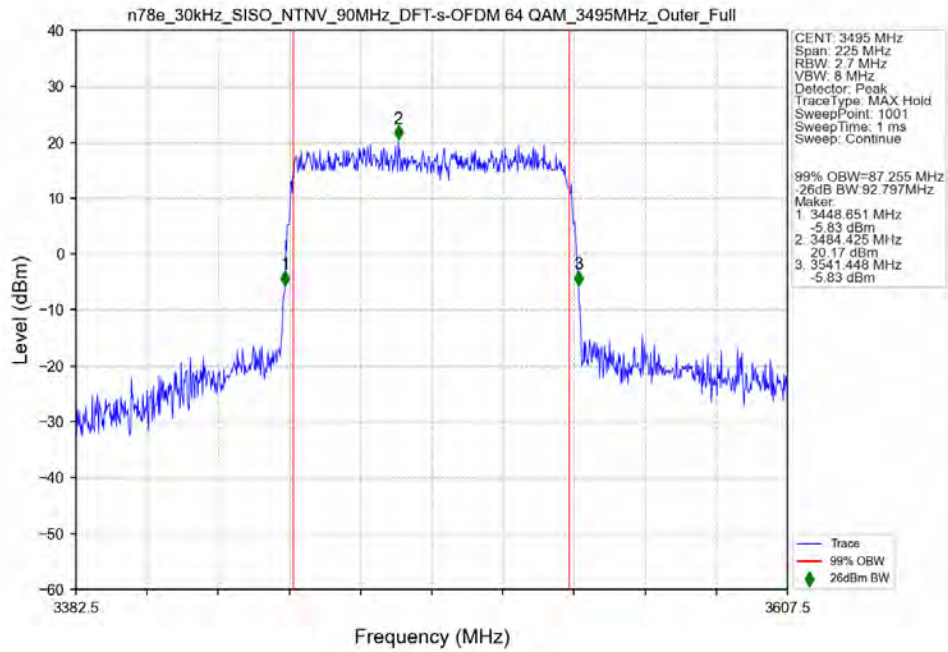
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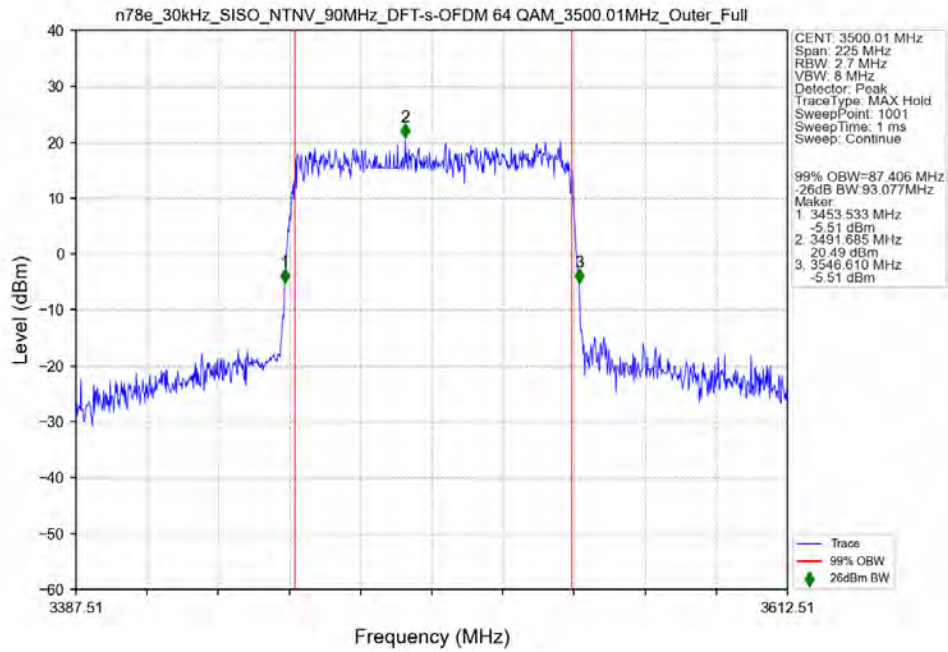
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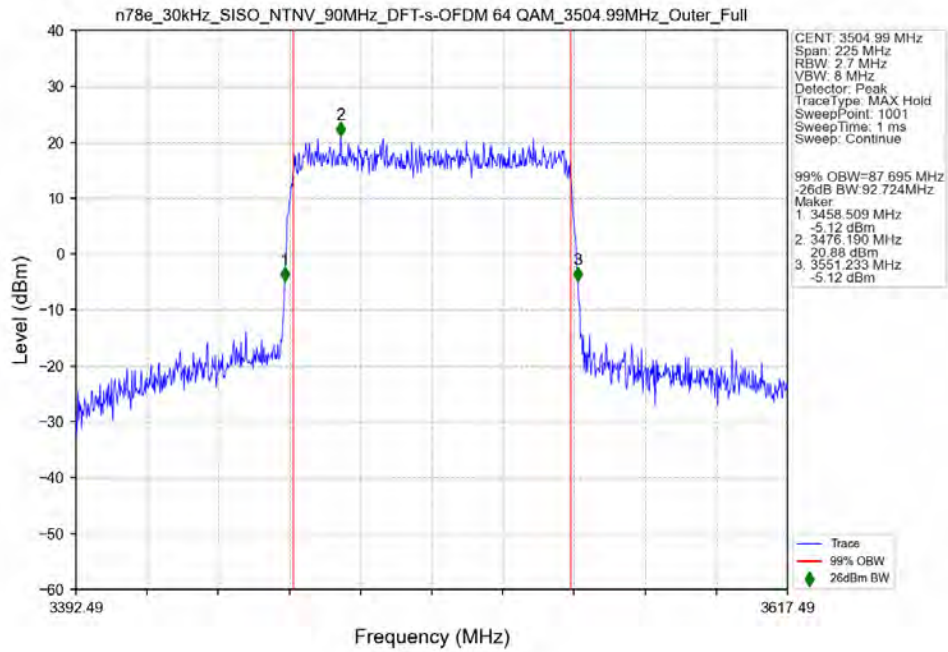
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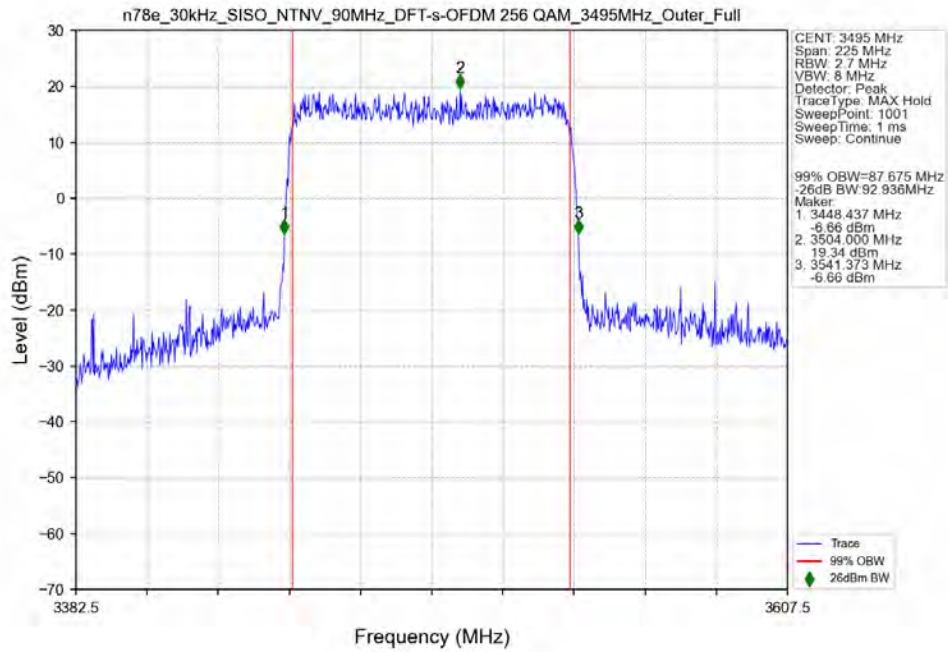
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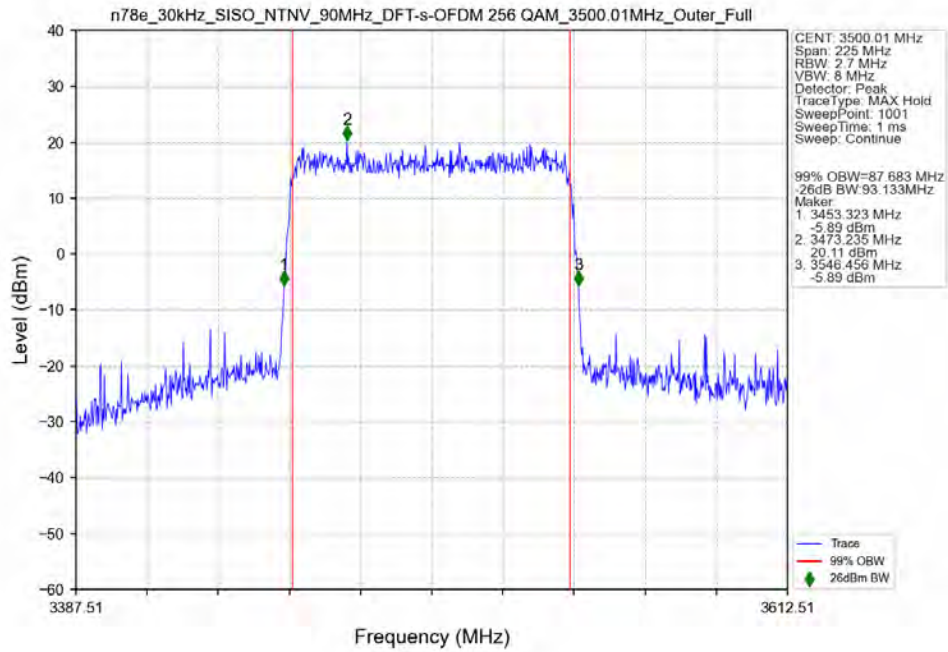
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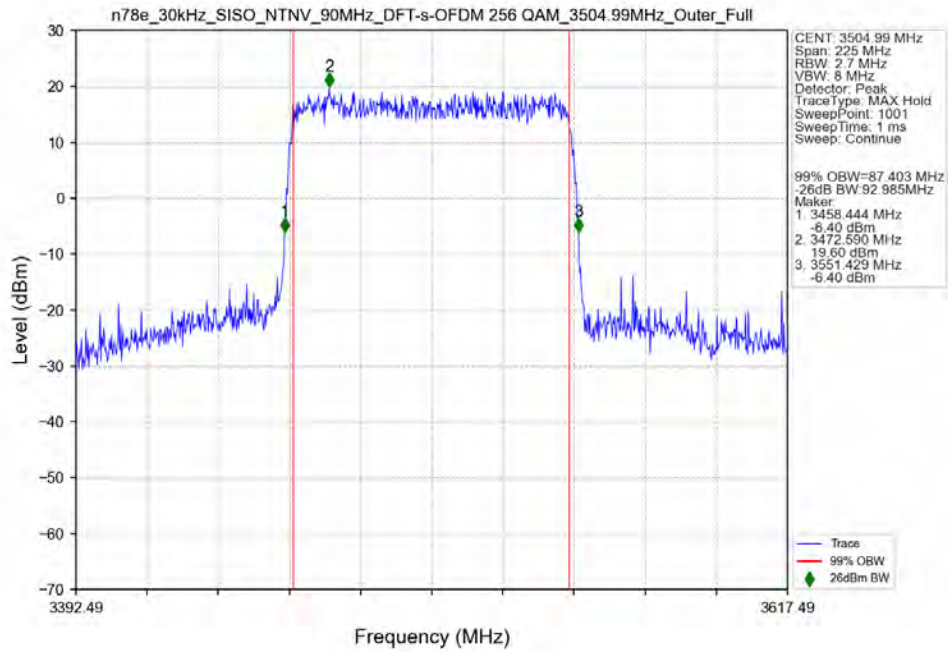
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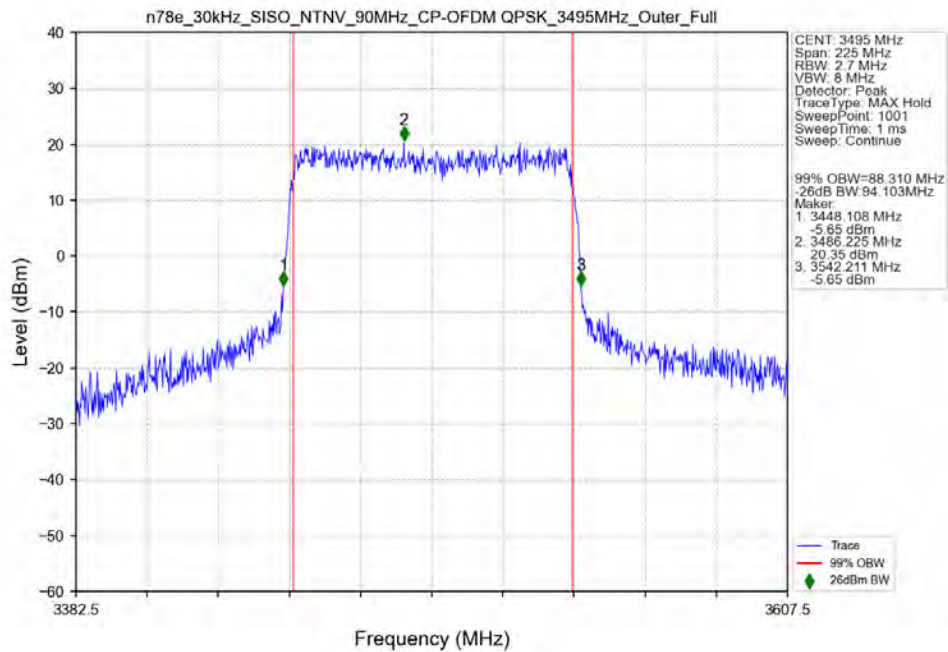
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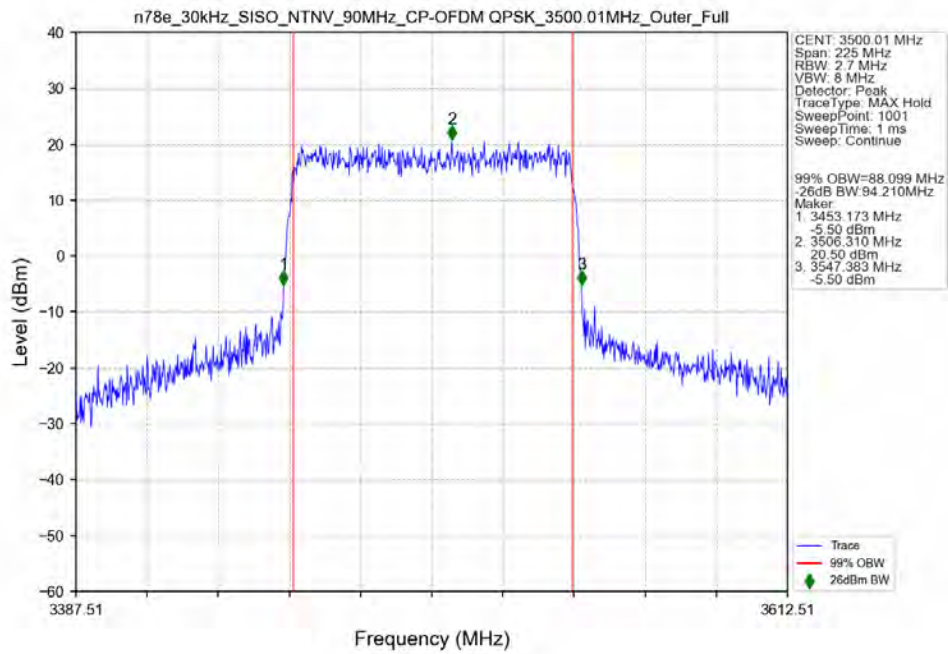
n78e 30kHz SISO NTN 90MHz DFT-s-OFDM 256 QAM 3504.99MHz Outer Full Ant13



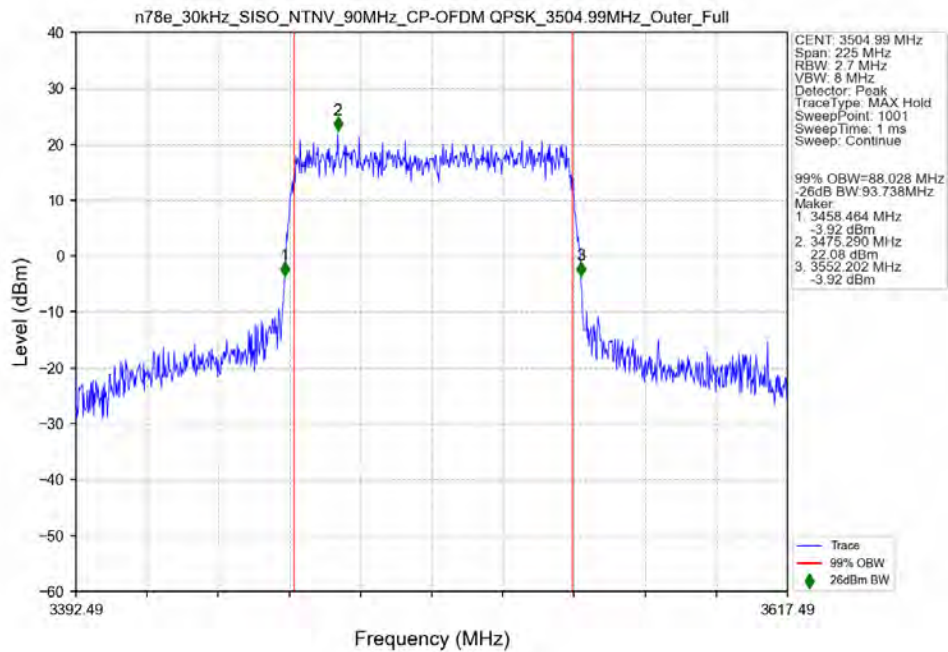
n78e 30kHz SISO NTN 90MHz CP-OFDM QPSK 3495MHz Outer Full Ant13



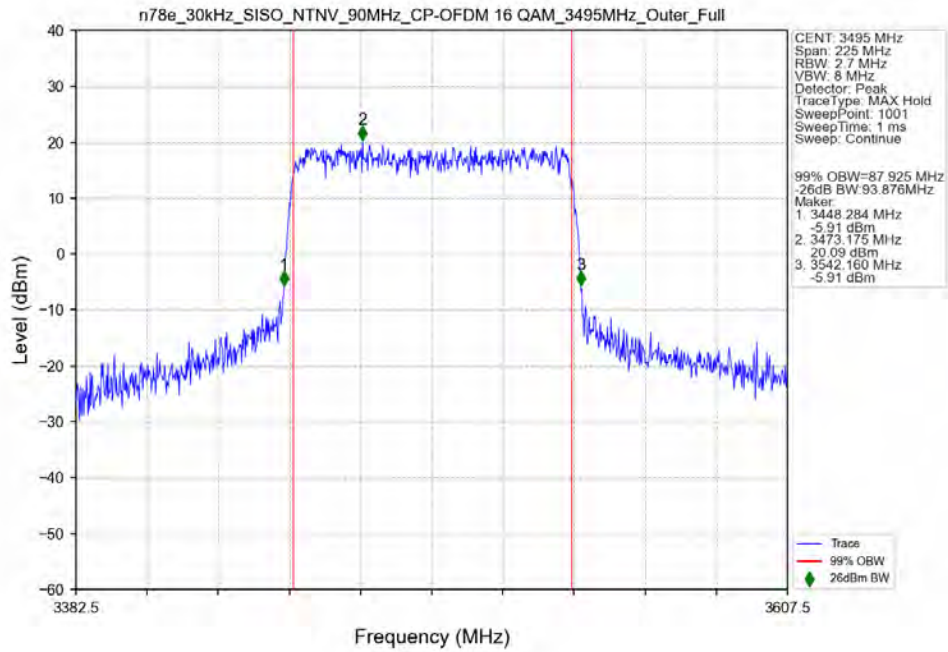
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant13



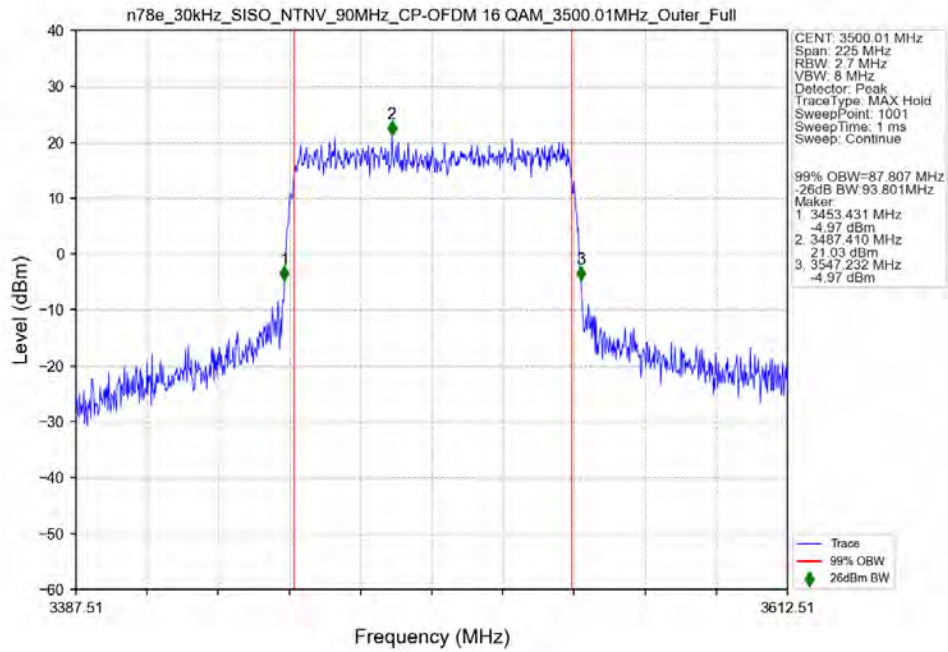
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_3504.99MHz_Outer_Full_Ant13



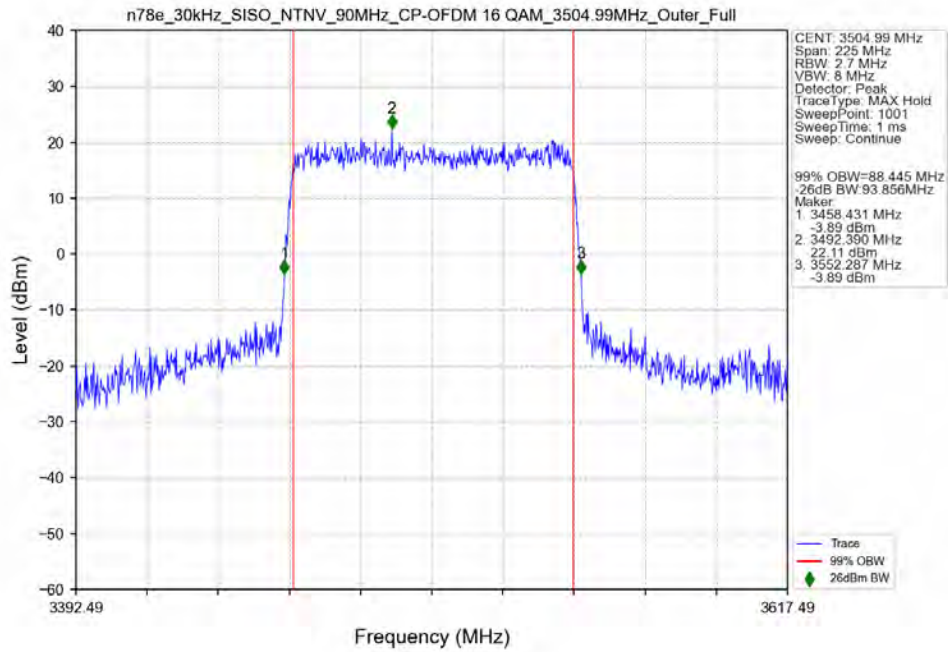
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_16_QAM_3495MHz_Outer_Full_Ant13



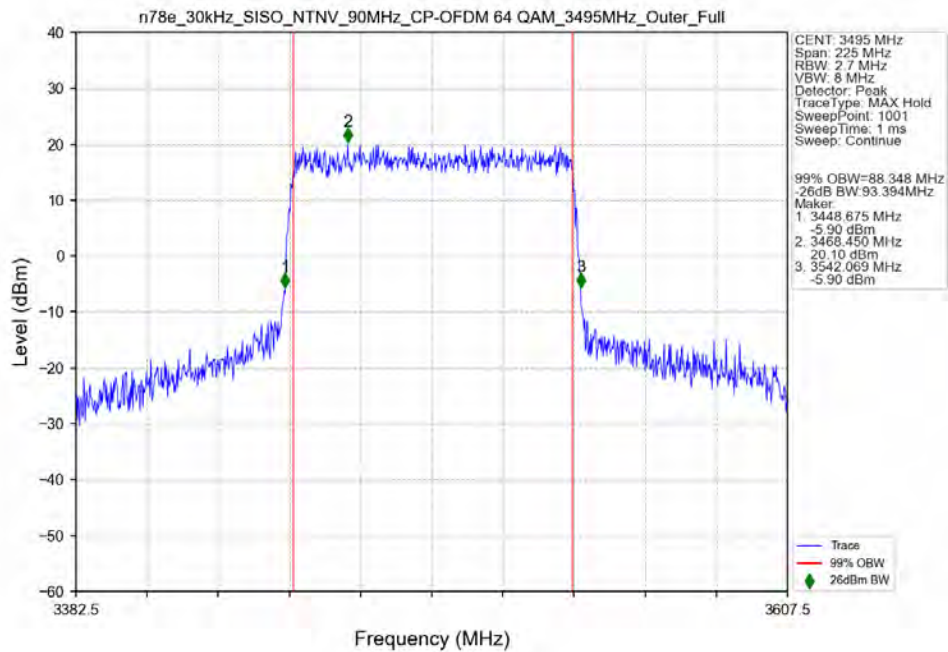
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant13



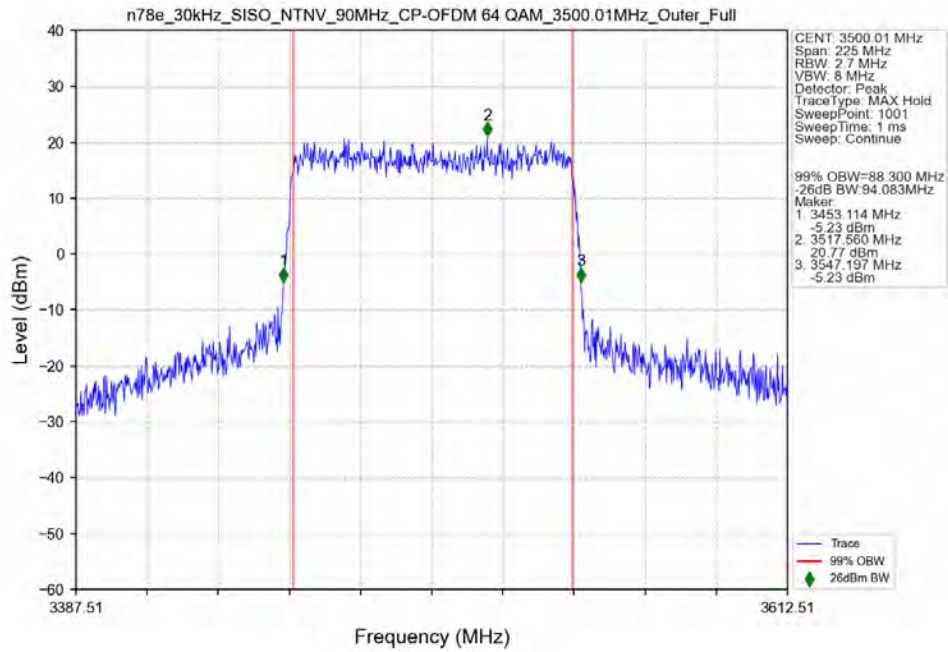
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM 16 QAM 3504.99MHz Outer_Full_Ant13



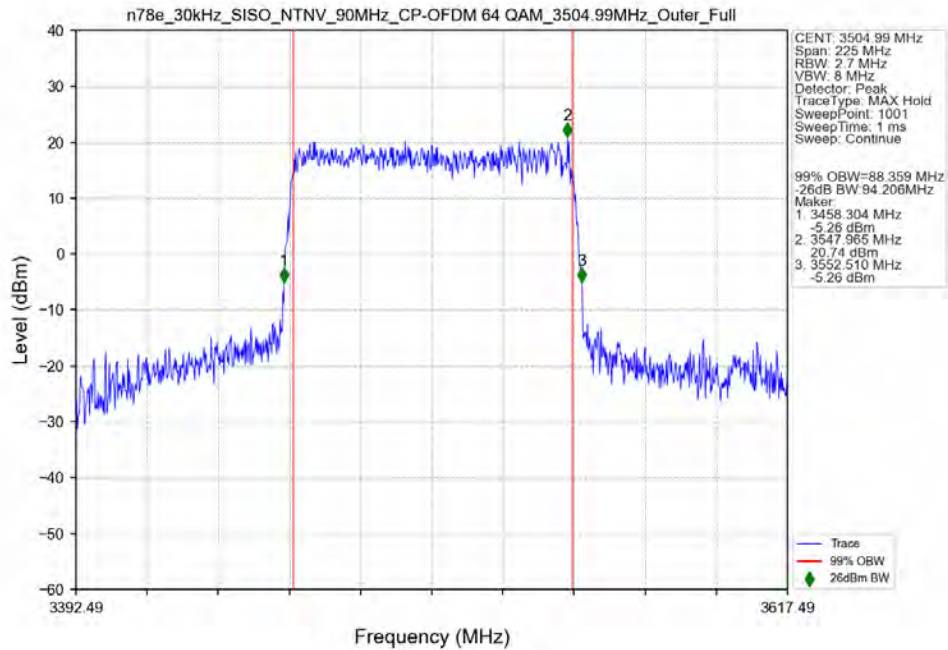
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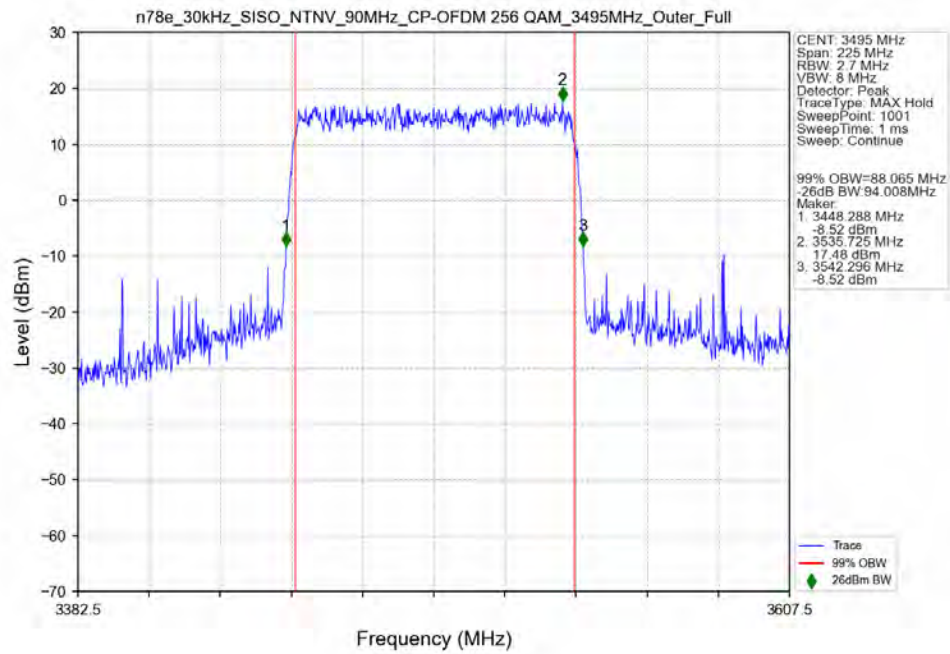
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant13



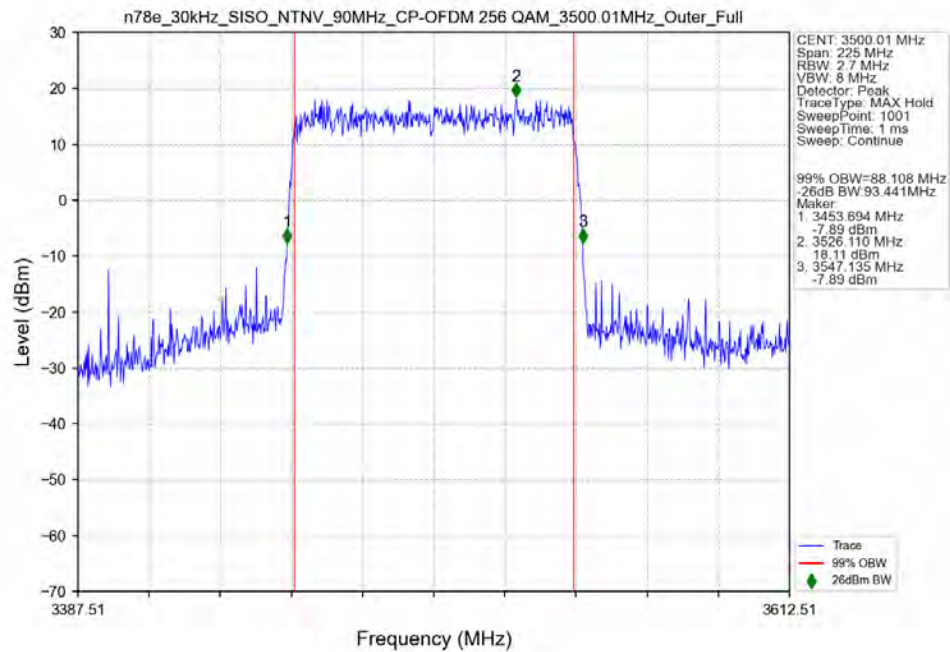
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_64_QAM_3504.99MHz_Outer_Full_Ant13



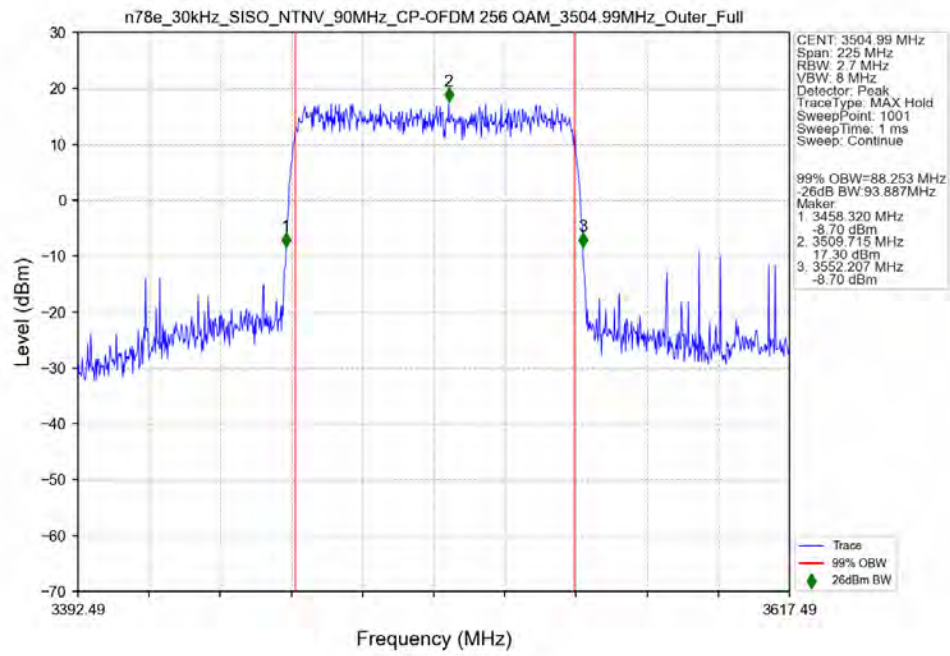
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3495MHz_Outer_Full_Ant13



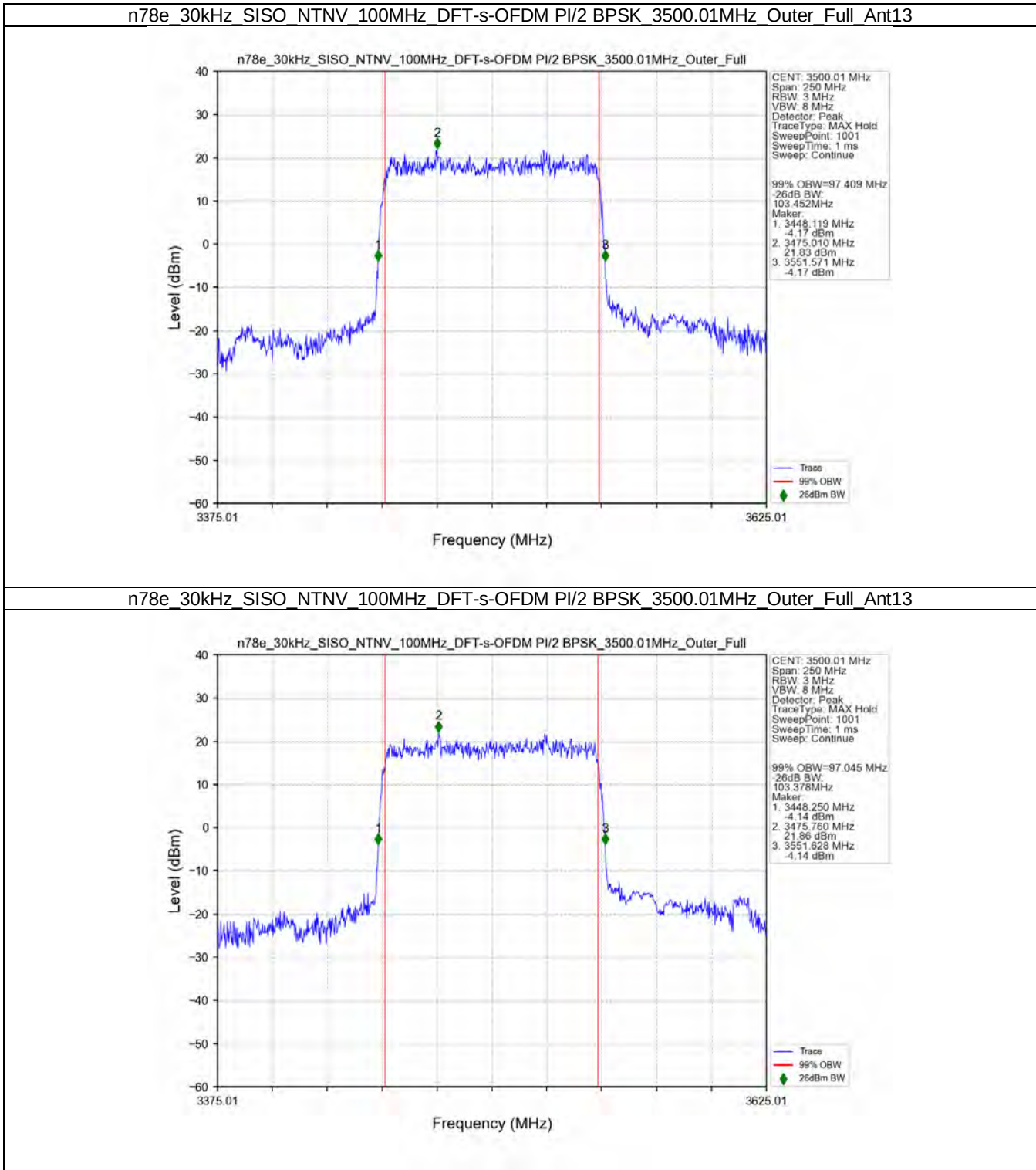
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant13



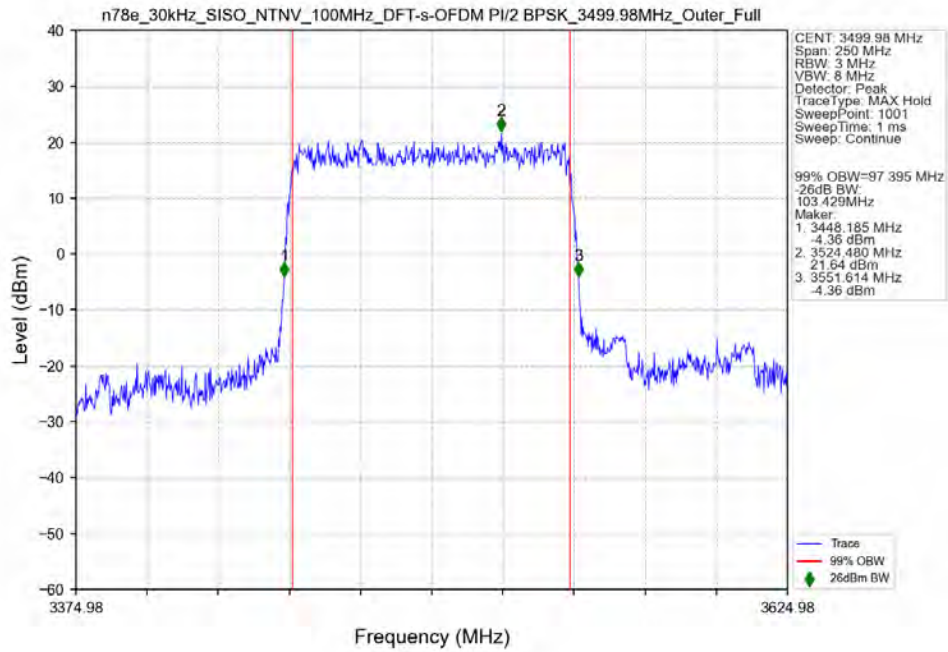
n78e 30kHz SISO NTN 90MHz CP-OFDM 256 QAM 3504.99MHz Outer Full Ant13



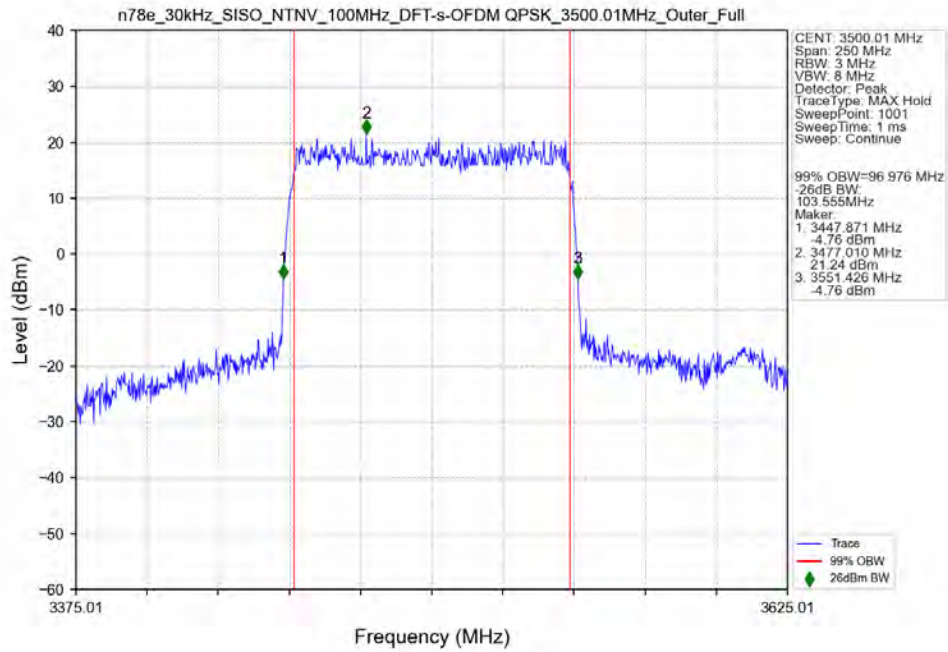
3.2.11 30k_SISO_100MHz_NTNV



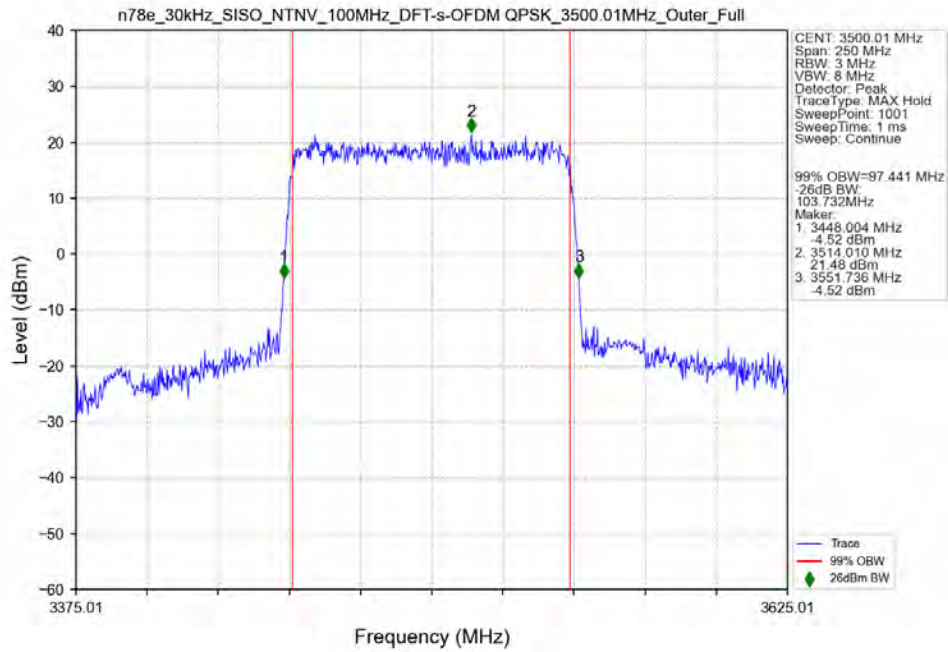
n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3499.98MHz_Outer_Full_Ant13



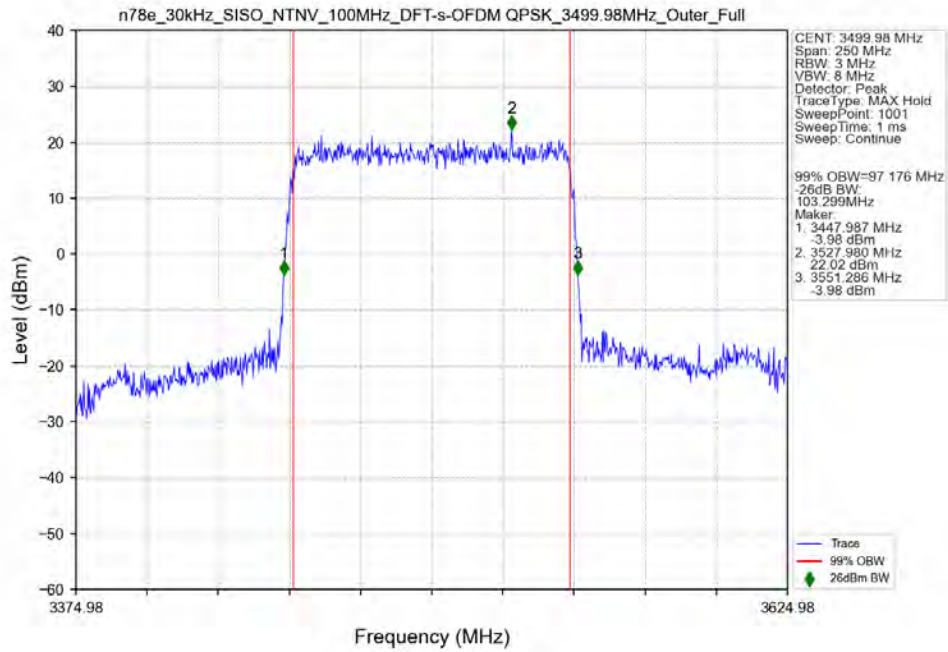
n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3500.01MHz_Outer_Full_Ant13



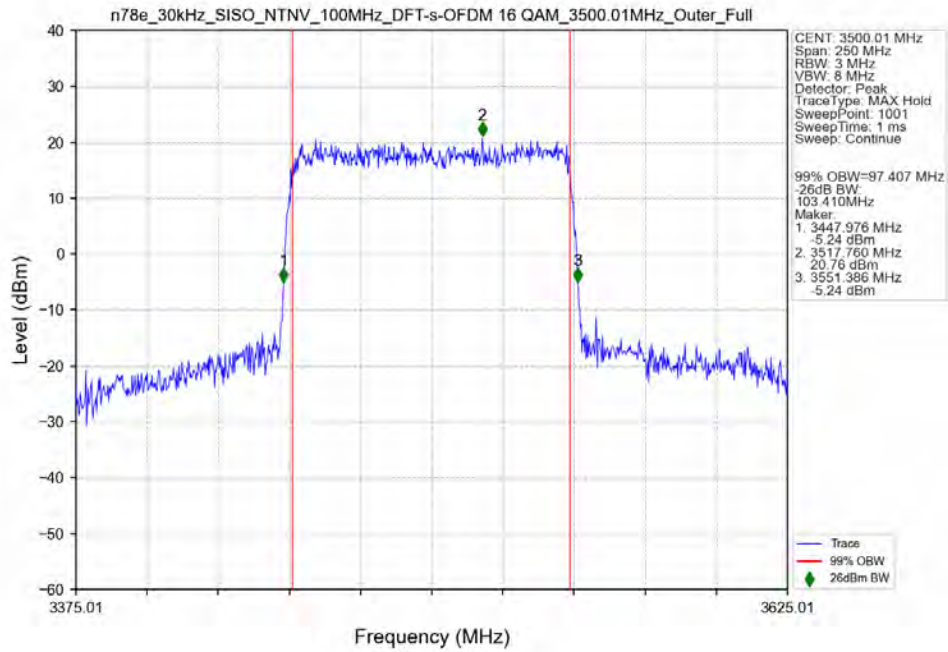
n78e 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3500.01MHz Outer Full Ant13



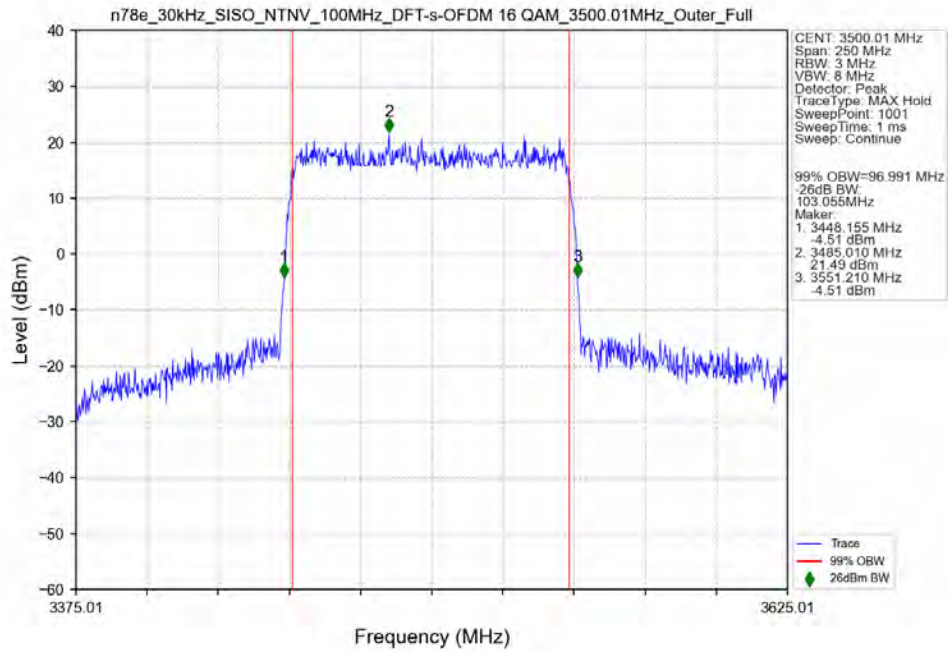
n78e 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3499.98MHz Outer Full Ant13



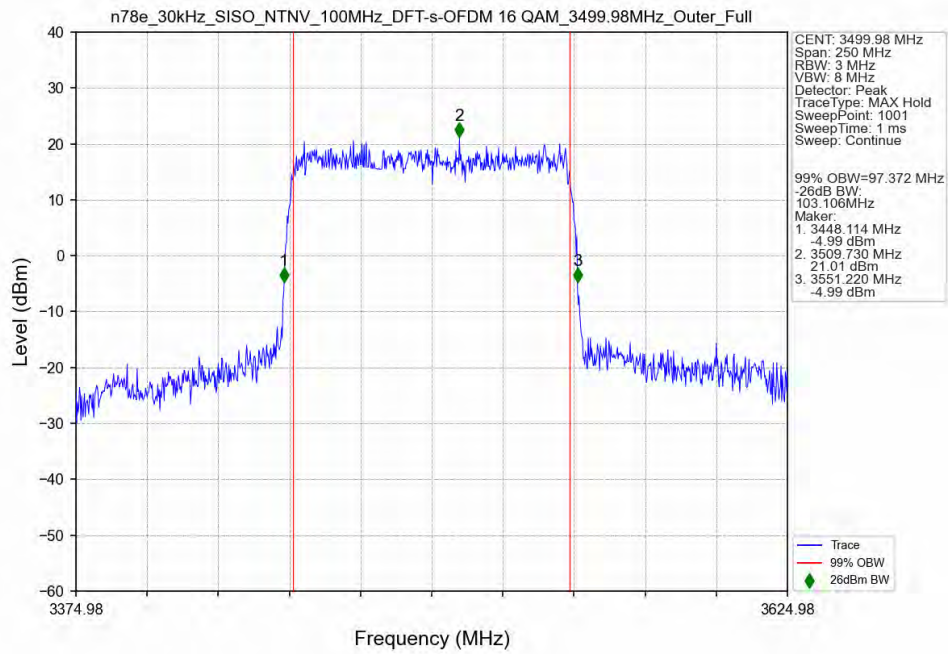
n78e 30kHz SISO NTN 100MHz DFT-s-OFDM 16 QAM 3500.01MHz Outer Full Ant13



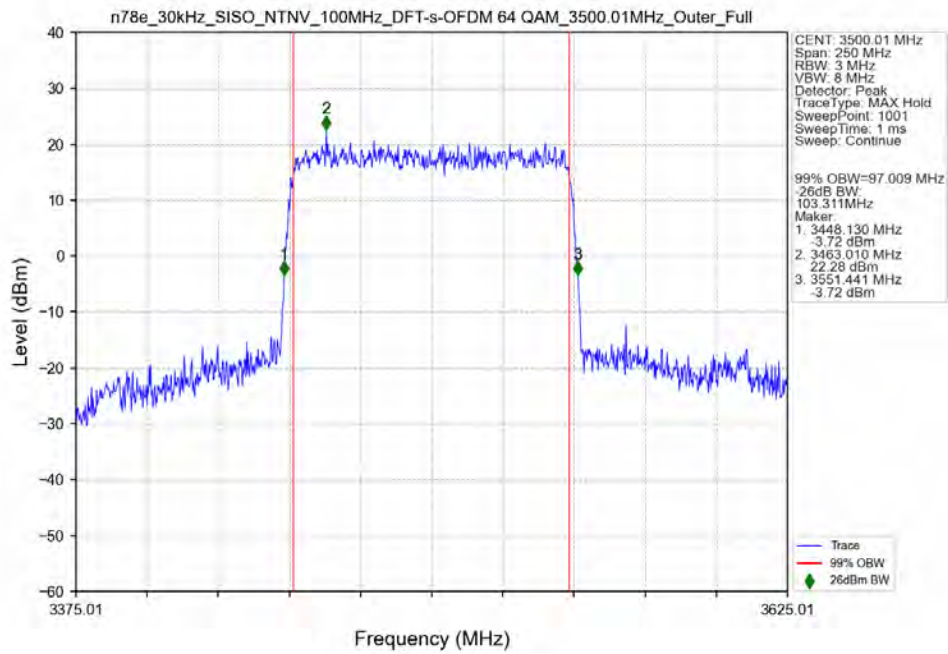
n78e 30kHz SISO NTN 100MHz DFT-s-OFDM 16 QAM 3500.01MHz Outer Full Ant13



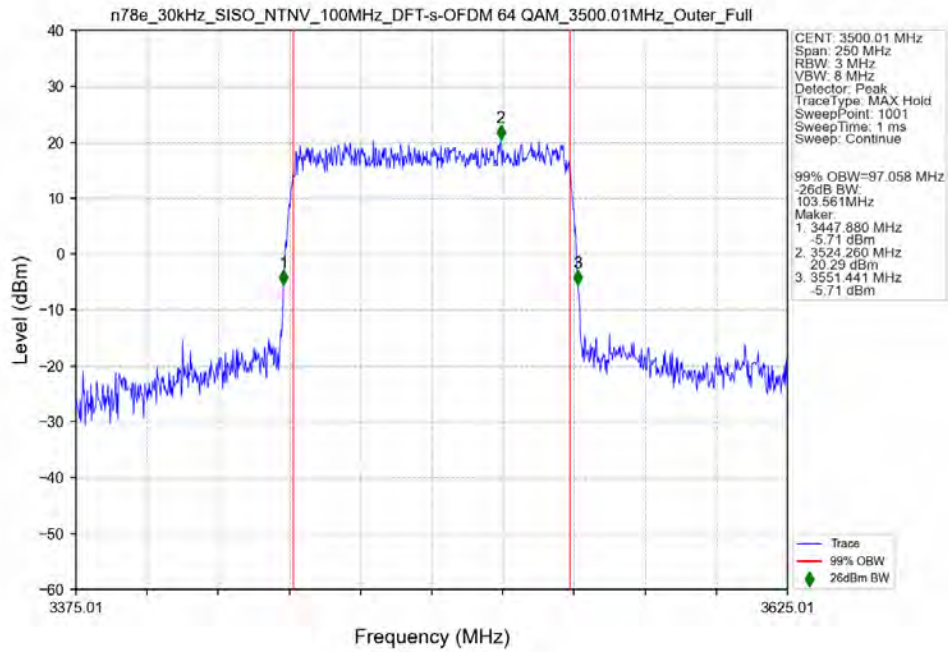
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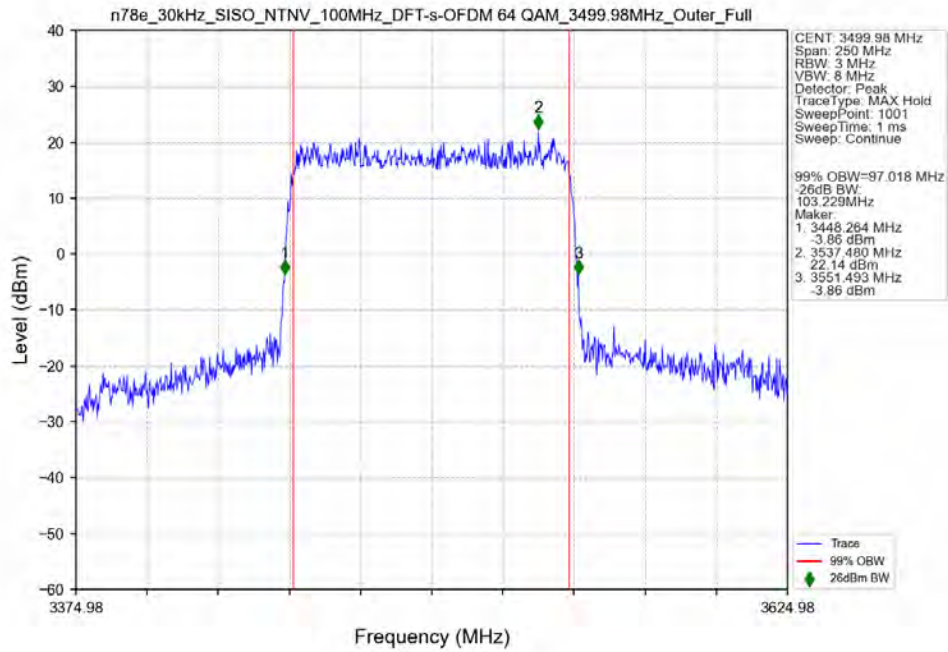
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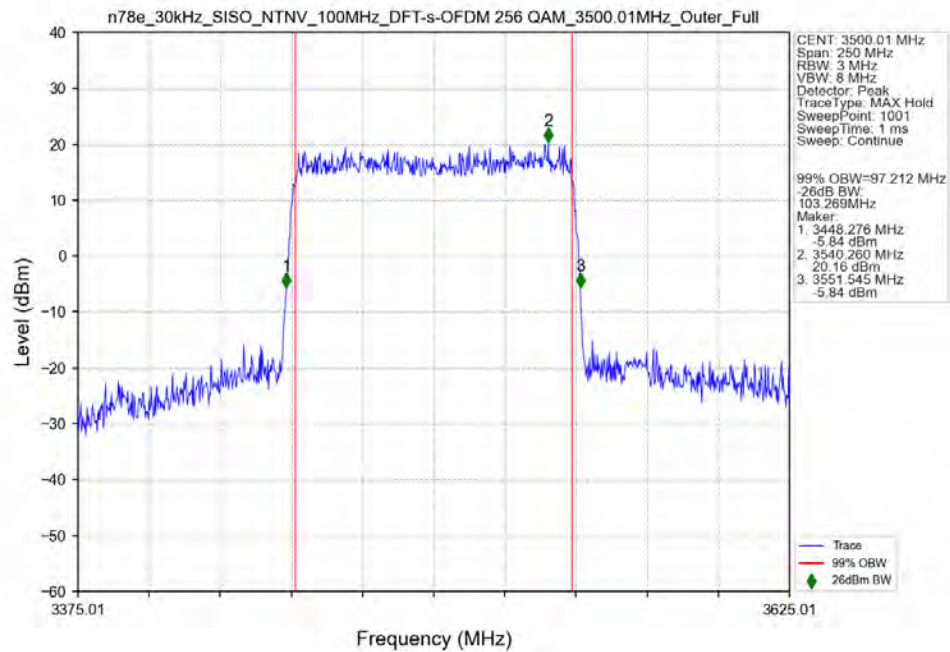
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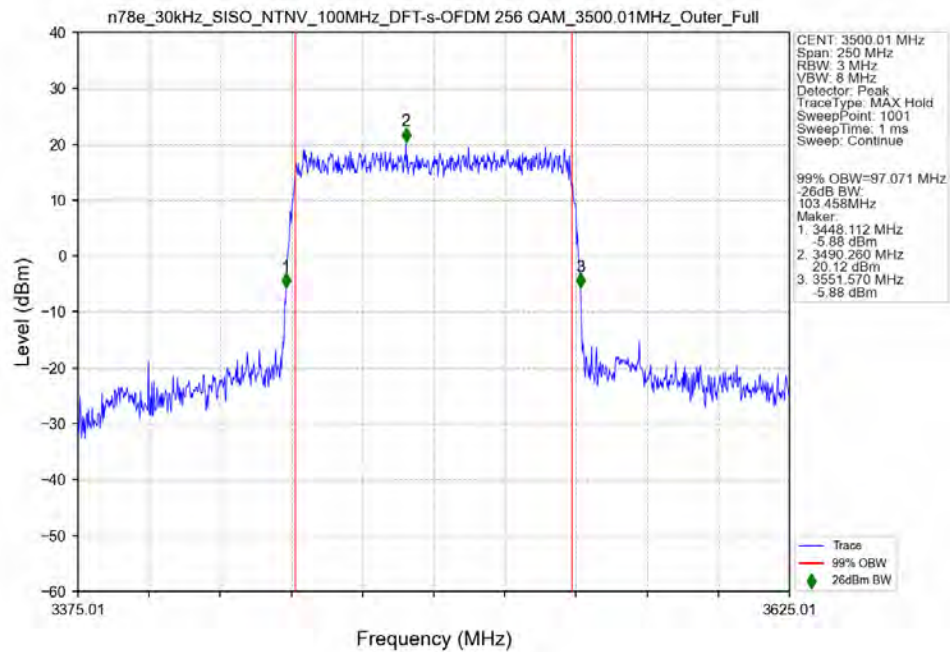
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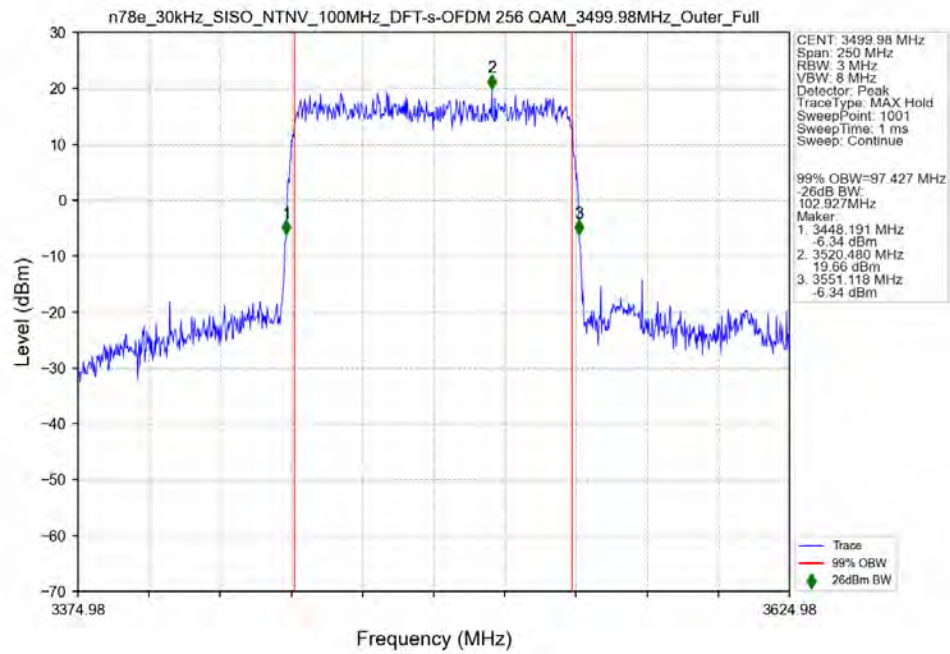
n78e 30kHz SISO NTN 100MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full Ant13



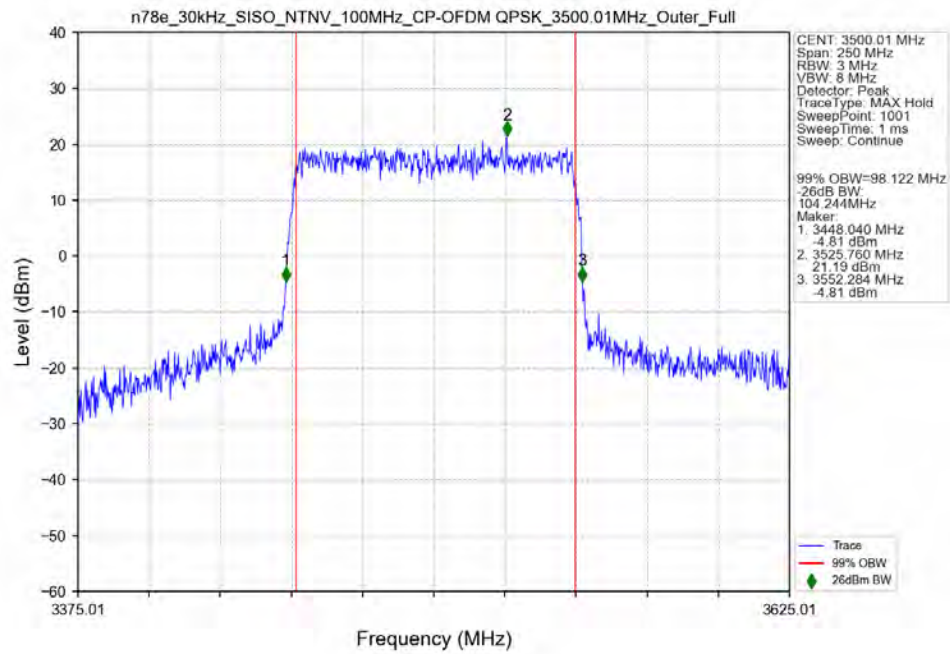
n78e 30kHz SISO NTN 100MHz DFT-s-OFDM 256 QAM 3500.01MHz Outer Full Ant13



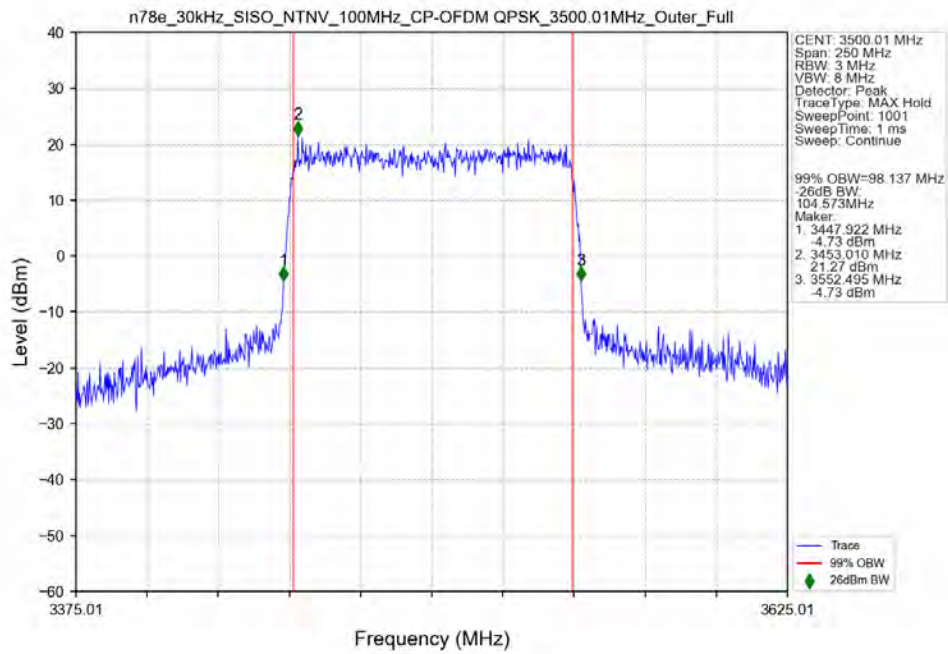
n78e 30kHz SISO NTN 100MHz DFT-s-OFDM 256 QAM 3499.98MHz Outer Full Ant13



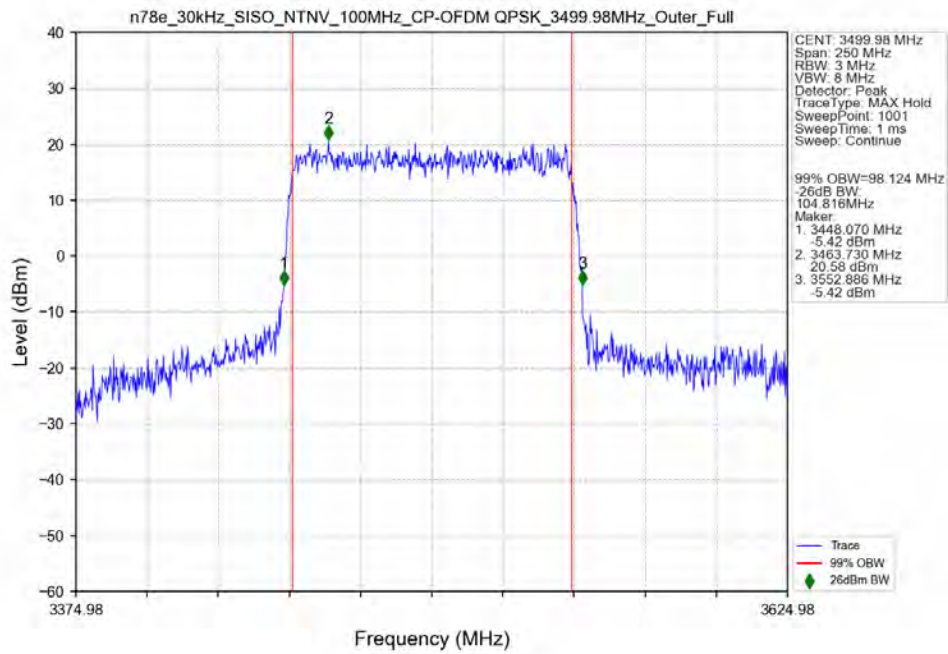
n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant13



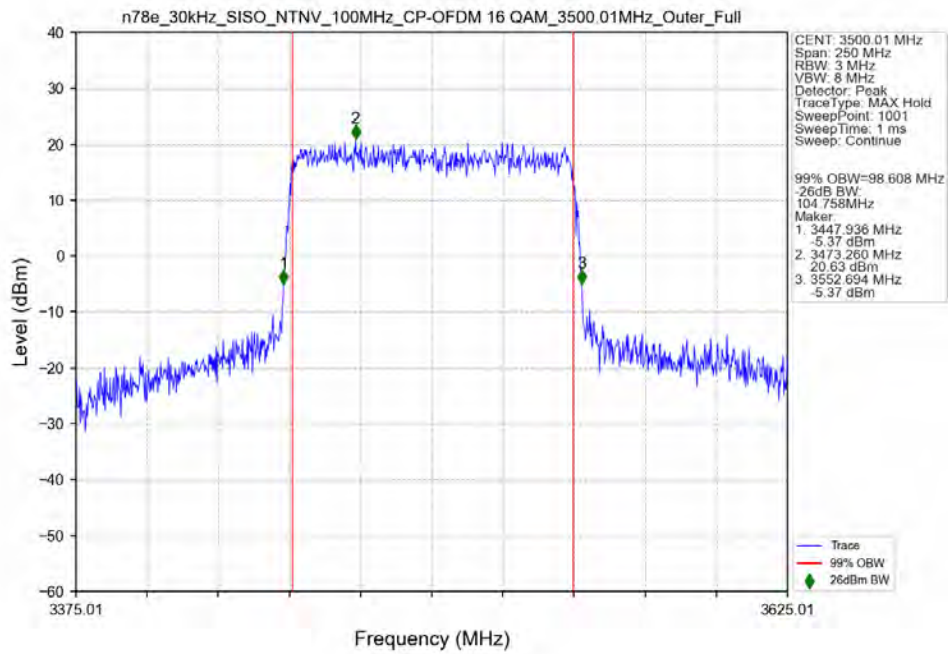
n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Outer Full Ant13



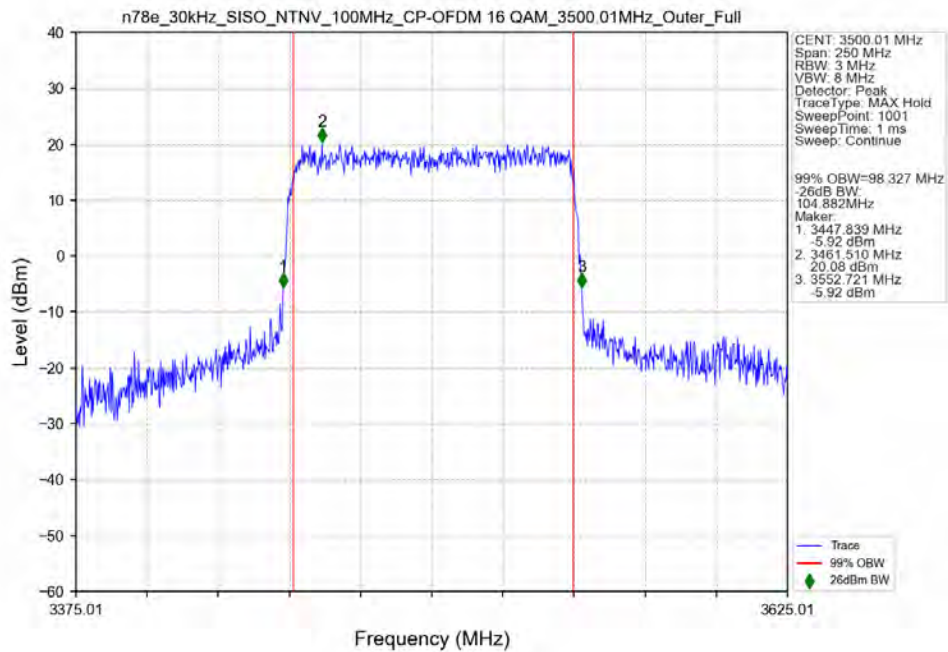
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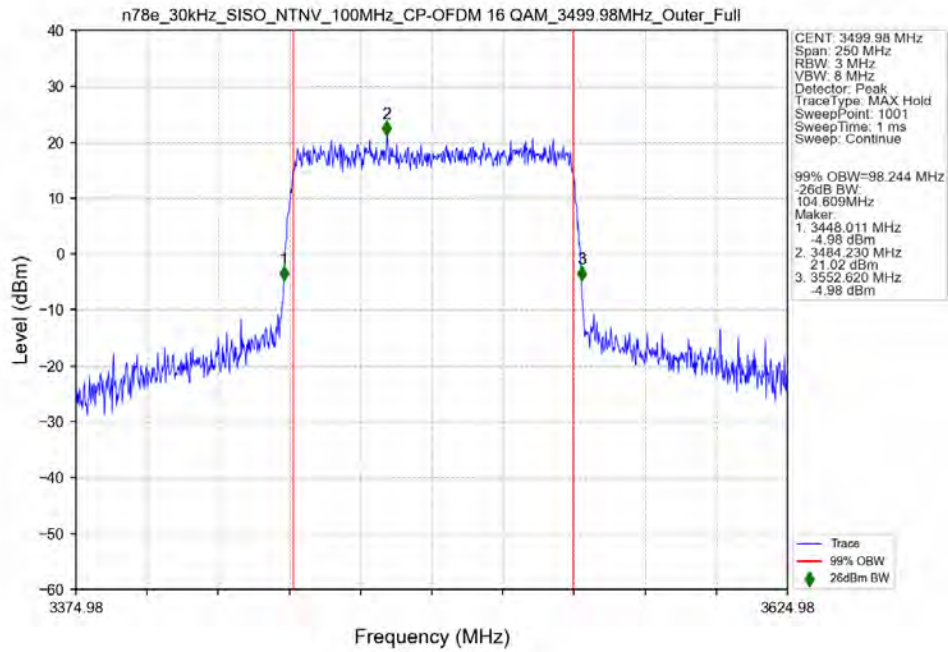
n78e 30kHz SISO NTN 100MHz CP-OFDM 16 QAM 3500.01MHz Outer Full Ant13



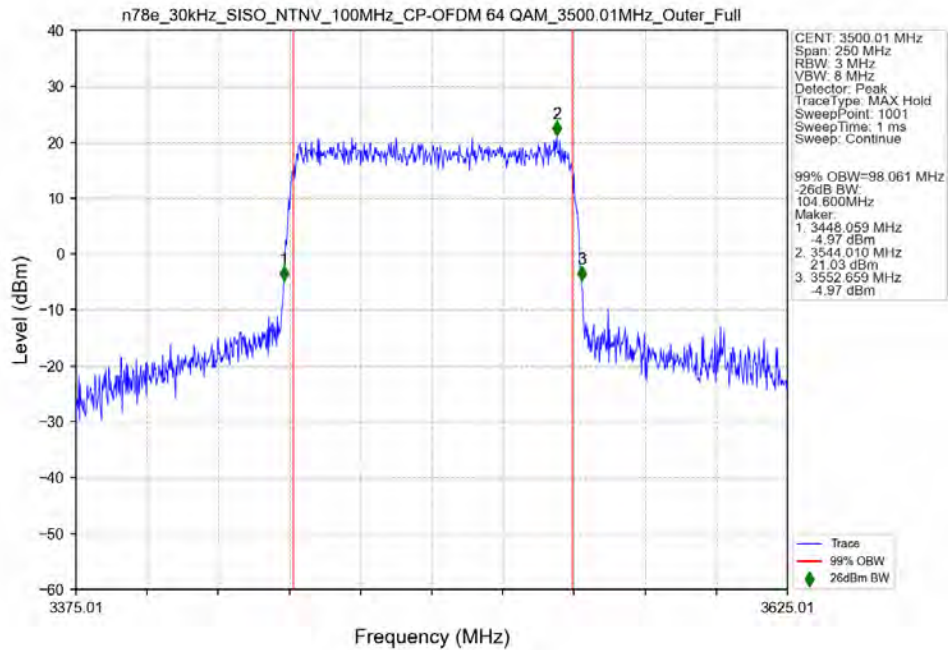
n78e 30kHz SISO NTN 100MHz CP-OFDM 16 QAM 3500.01MHz Outer Full Ant13



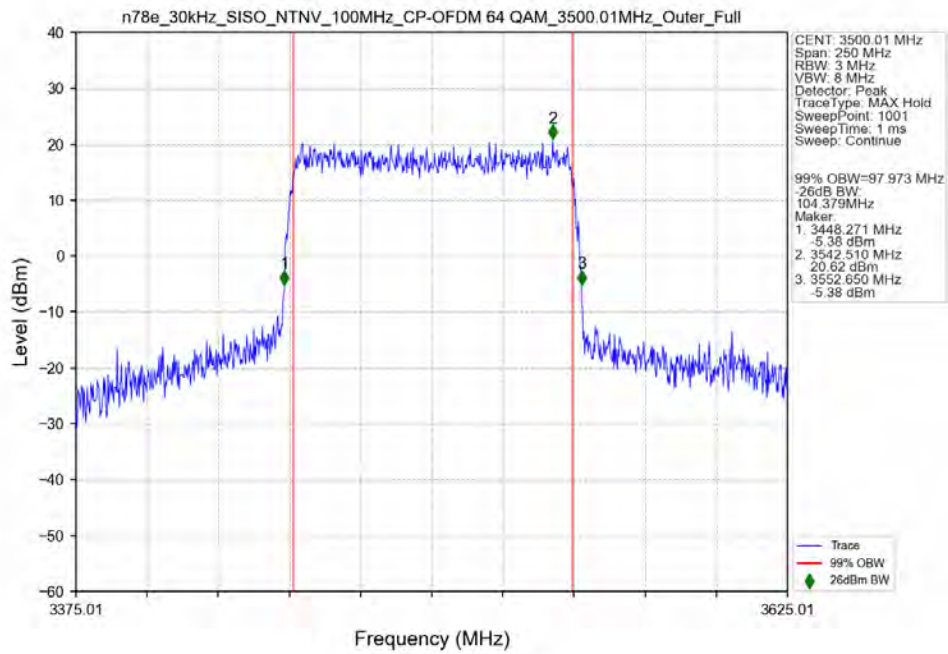
n78e 30kHz SISO NTN 100MHz CP-OFDM 16 QAM 3499.98MHz Outer Full Ant13



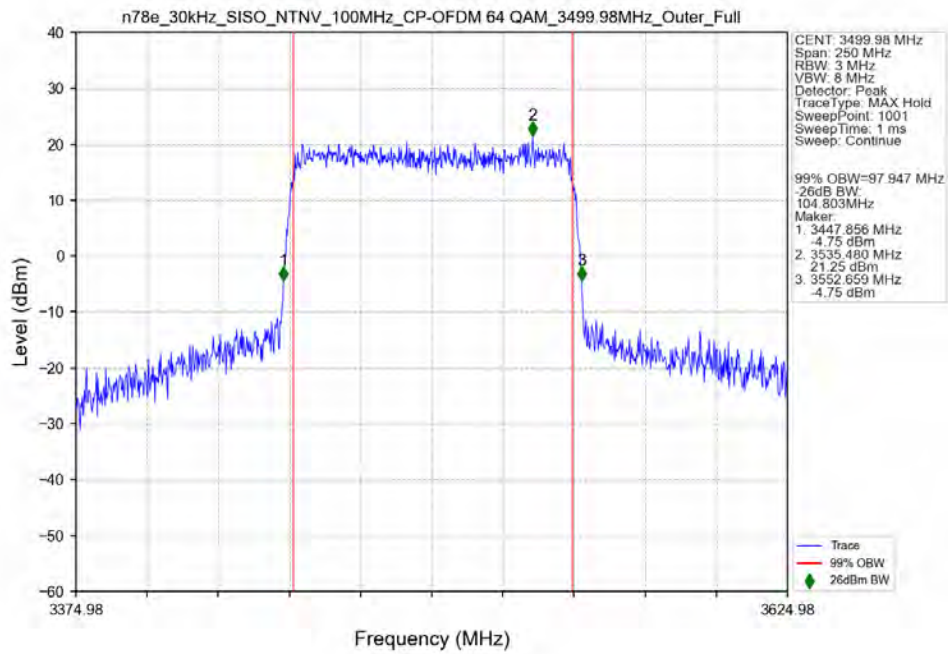
n78e 30kHz SISO NTN 100MHz CP-OFDM 64 QAM 3500.01MHz Outer Full Ant13



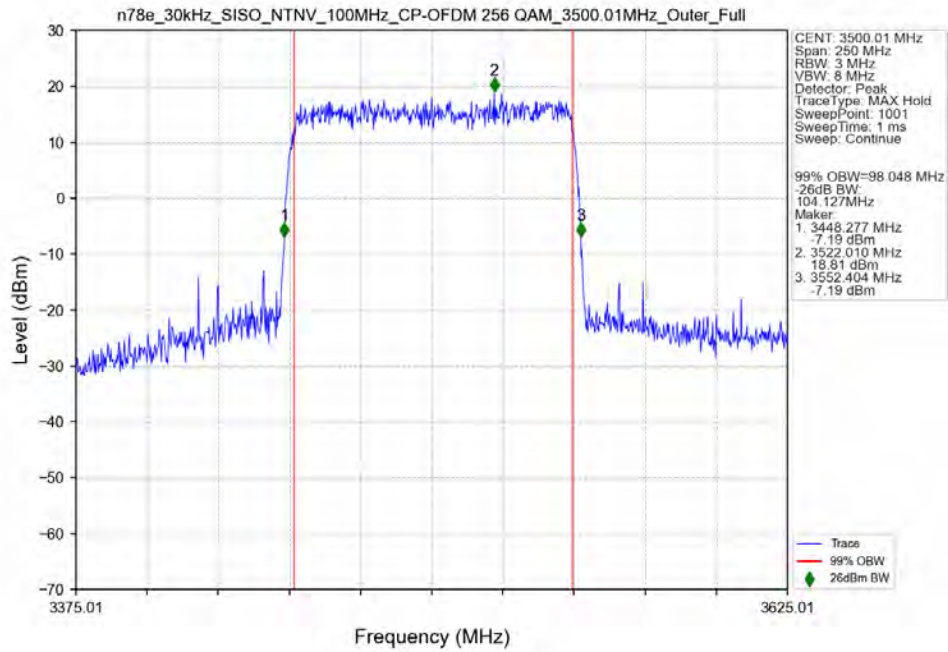
n78e_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM_3500.01MHz_Outer_Full_Ant13



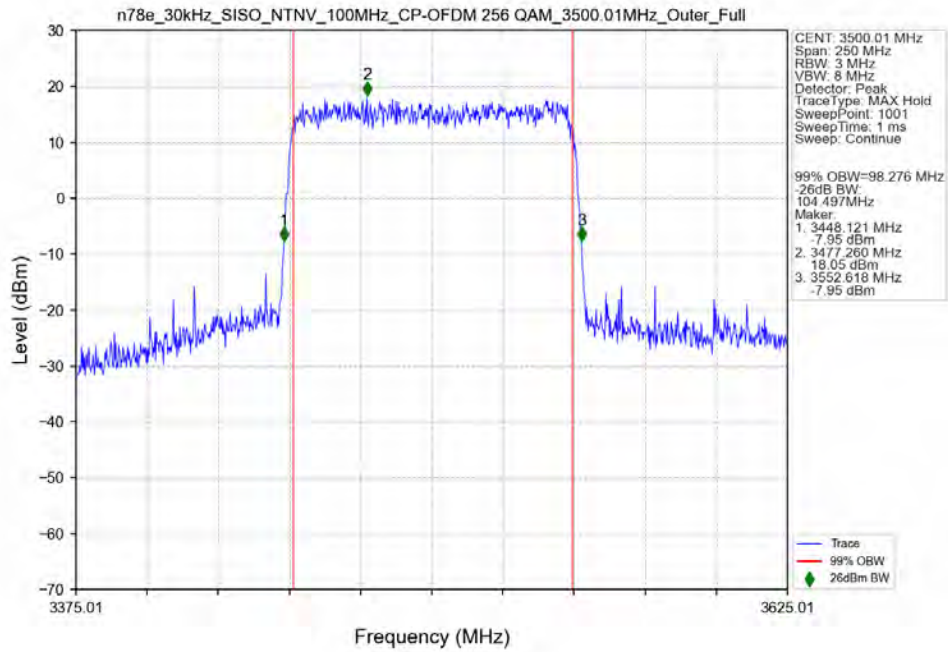
n78e_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM_3499.98MHz_Outer_Full_Ant13



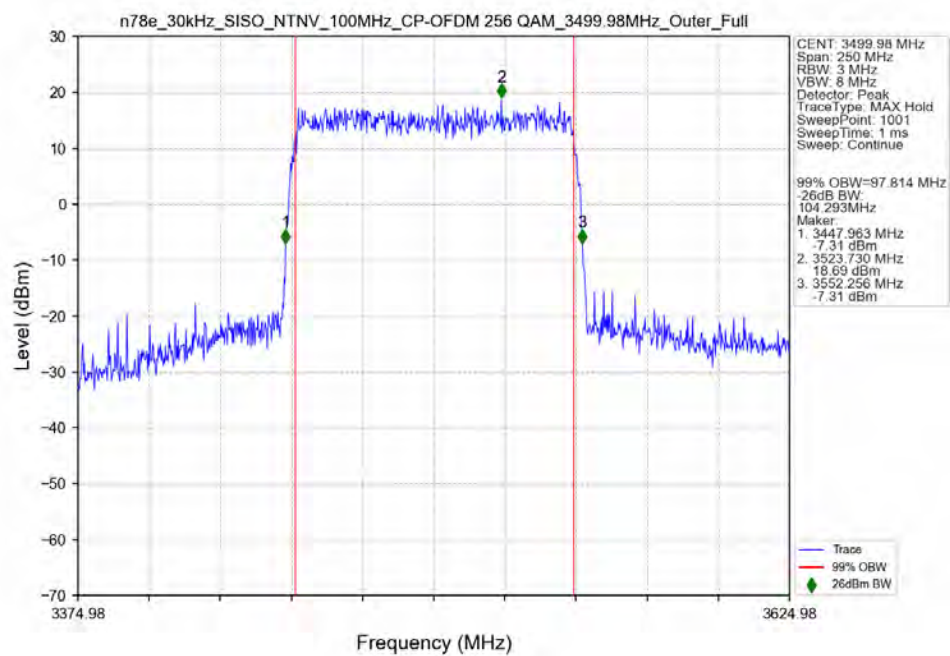
n78e 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant13



n78e 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 3500.01MHz Outer Full Ant13



n78e 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 3499.98MHz Outer Full Ant13



4. Peak-Average Ratio

4.1 Test Result

4.1.1 30k_SISO_10MHz_NTNV

5G NR n78e SCS=30kHz SISO 10MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3455.01	Outer_Full	3.49	/	/	<=13	Pass
	3500.01	Outer_Full	3.56	/	/	<=13	Pass
	3544.98	Outer_Full	3.57	/	/	<=13	Pass
DFT-s-OFDM QPSK	3455.01	Outer_Full	3.85	/	/	<=13	Pass
	3500.01	Outer_Full	4.09	/	/	<=13	Pass
	3544.98	Outer_Full	4.15	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3455.01	Outer_Full	4.53	/	/	<=13	Pass
	3500.01	Outer_Full	4.55	/	/	<=13	Pass
	3544.98	Outer_Full	4.65	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3455.01	Outer_Full	4.56	/	/	<=13	Pass
	3500.01	Outer_Full	4.66	/	/	<=13	Pass
	3544.98	Outer_Full	4.70	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3455.01	Outer_Full	5.32	/	/	<=13	Pass
	3500.01	Outer_Full	5.30	/	/	<=13	Pass
	3544.98	Outer_Full	5.31	/	/	<=13	Pass
CP-OFDM QPSK	3455.01	Outer_Full	5.19	/	/	<=13	Pass
	3500.01	Outer_Full	5.25	/	/	<=13	Pass
	3544.98	Outer_Full	5.37	/	/	<=13	Pass
CP-OFDM 16 QAM	3455.01	Outer_Full	5.22	/	/	<=13	Pass
	3500.01	Outer_Full	5.37	/	/	<=13	Pass
	3544.98	Outer_Full	5.34	/	/	<=13	Pass
CP-OFDM 64 QAM	3455.01	Outer_Full	5.22	/	/	<=13	Pass
	3500.01	Outer_Full	5.37	/	/	<=13	Pass
	3544.98	Outer_Full	5.39	/	/	<=13	Pass
CP-OFDM 256 QAM	3455.01	Outer_Full	6.72	/	/	<=13	Pass
	3500.01	Outer_Full	6.75	/	/	<=13	Pass
	3544.98	Outer_Full	6.76	/	/	<=13	Pass

4.1.2 30k_SISO_15MHz_NTNV

5G NR n78e SCS=30kHz SISO 15MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3457.5	Outer_Full	3.35	/	/	<=13	Pass
	3500.01	Outer_Full	3.34	/	/	<=13	Pass
	3542.49	Outer_Full	3.47	/	/	<=13	Pass
DFT-s-OFDM QPSK	3457.5	Outer_Full	3.70	/	/	<=13	Pass
	3500.01	Outer_Full	3.84	/	/	<=13	Pass
	3542.49	Outer_Full	3.86	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3457.5	Outer_Full	4.44	/	/	<=13	Pass
	3500.01	Outer_Full	4.39	/	/	<=13	Pass
	3542.49	Outer_Full	4.46	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3457.5	Outer_Full	4.44	/	/	<=13	Pass
	3500.01	Outer_Full	4.45	/	/	<=13	Pass
	3542.49	Outer_Full	4.53	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	3457.5	Outer_Full	5.15	/	/	<=13	Pass
	3500.01	Outer_Full	5.07	/	/	<=13	Pass
	3542.49	Outer_Full	5.13	/	/	<=13	Pass
CP-OFDM QPSK	3457.5	Outer_Full	5.12	/	/	<=13	Pass
	3500.01	Outer_Full	5.08	/	/	<=13	Pass
	3542.49	Outer_Full	5.25	/	/	<=13	Pass
CP-OFDM 16 QAM	3457.5	Outer_Full	5.12	/	/	<=13	Pass
	3500.01	Outer_Full	5.16	/	/	<=13	Pass
	3542.49	Outer_Full	5.28	/	/	<=13	Pass
CP-OFDM 64 QAM	3457.5	Outer_Full	5.13	/	/	<=13	Pass
	3500.01	Outer_Full	5.20	/	/	<=13	Pass
	3542.49	Outer_Full	5.29	/	/	<=13	Pass
CP-OFDM 256 QAM	3457.5	Outer_Full	6.66	/	/	<=13	Pass
	3500.01	Outer_Full	6.60	/	/	<=13	Pass
	3542.49	Outer_Full	6.68	/	/	<=13	Pass

4.1.3 30k_SISO_20MHz_NTNV

5G NR n78e SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3460.02	Outer_Full	3.34	/	/	<=13	Pass
	3500.01	Outer_Full	3.33	/	/	<=13	Pass
	3540	Outer_Full	3.53	/	/	<=13	Pass
DFT-s-OFDM QPSK	3460.02	Outer_Full	3.78	/	/	<=13	Pass
	3500.01	Outer_Full	3.89	/	/	<=13	Pass
	3540	Outer_Full	3.98	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3460.02	Outer_Full	4.39	/	/	<=13	Pass
	3500.01	Outer_Full	4.42	/	/	<=13	Pass
	3540	Outer_Full	4.54	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3460.02	Outer_Full	4.54	/	/	<=13	Pass
	3500.01	Outer_Full	4.53	/	/	<=13	Pass
	3540	Outer_Full	4.61	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3460.02	Outer_Full	5.14	/	/	<=13	Pass
	3500.01	Outer_Full	5.12	/	/	<=13	Pass
	3540	Outer_Full	5.19	/	/	<=13	Pass
CP-OFDM QPSK	3460.02	Outer_Full	5.12	/	/	<=13	Pass
	3500.01	Outer_Full	5.25	/	/	<=13	Pass
	3540	Outer_Full	5.35	/	/	<=13	Pass
CP-OFDM 16 QAM	3460.02	Outer_Full	5.11	/	/	<=13	Pass
	3500.01	Outer_Full	5.27	/	/	<=13	Pass
	3540	Outer_Full	5.34	/	/	<=13	Pass
CP-OFDM 64 QAM	3460.02	Outer_Full	5.24	/	/	<=13	Pass
	3500.01	Outer_Full	5.31	/	/	<=13	Pass
	3540	Outer_Full	5.34	/	/	<=13	Pass
CP-OFDM 256 QAM	3460.02	Outer_Full	6.58	/	/	<=13	Pass
	3500.01	Outer_Full	6.65	/	/	<=13	Pass
	3540	Outer_Full	6.67	/	/	<=13	Pass

4.1.4 30k_SISO_30MHz_NTNV

5G NR n78e SCS=30kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3465	Outer_Full	3.60	/	/	<=13	Pass
	3500.01	Outer_Full	3.97	/	/	<=13	Pass

	3534.99	Outer_Full	4.06	/	/	<=13	Pass
DFT-s-OFDM QPSK	3465	Outer_Full	4.45	/	/	<=13	Pass
	3500.01	Outer_Full	4.54	/	/	<=13	Pass
	3534.99	Outer_Full	4.90	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3465	Outer_Full	4.97	/	/	<=13	Pass
	3500.01	Outer_Full	5.42	/	/	<=13	Pass
	3534.99	Outer_Full	5.45	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3465	Outer_Full	5.35	/	/	<=13	Pass
	3500.01	Outer_Full	5.52	/	/	<=13	Pass
	3534.99	Outer_Full	5.66	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3465	Outer_Full	5.77	/	/	<=13	Pass
	3500.01	Outer_Full	5.93	/	/	<=13	Pass
	3534.99	Outer_Full	5.96	/	/	<=13	Pass
CP-OFDM QPSK	3465	Outer_Full	6.00	/	/	<=13	Pass
	3500.01	Outer_Full	6.47	/	/	<=13	Pass
	3534.99	Outer_Full	6.49	/	/	<=13	Pass
CP-OFDM 16 QAM	3465	Outer_Full	5.99	/	/	<=13	Pass
	3500.01	Outer_Full	6.51	/	/	<=13	Pass
	3534.99	Outer_Full	6.47	/	/	<=13	Pass
CP-OFDM 64 QAM	3465	Outer_Full	6.40	/	/	<=13	Pass
	3500.01	Outer_Full	6.50	/	/	<=13	Pass
	3534.99	Outer_Full	6.55	/	/	<=13	Pass
CP-OFDM 256 QAM	3465	Outer_Full	7.43	/	/	<=13	Pass
	3500.01	Outer_Full	7.48	/	/	<=13	Pass
	3534.99	Outer_Full	7.53	/	/	<=13	Pass

4.1.5 30k_SISO_40MHz_NTNV

5G NR n78e SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3470.01	Outer_Full	4.53	/	/	<=13	Pass
	3500.01	Outer_Full	4.00	/	/	<=13	Pass
	3529.98	Outer_Full	4.09	/	/	<=13	Pass
DFT-s-OFDM QPSK	3470.01	Outer_Full	4.54	/	/	<=13	Pass
	3500.01	Outer_Full	4.59	/	/	<=13	Pass
	3529.98	Outer_Full	4.58	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3470.01	Outer_Full	5.03	/	/	<=13	Pass
	3500.01	Outer_Full	5.44	/	/	<=13	Pass
	3529.98	Outer_Full	5.52	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3470.01	Outer_Full	5.41	/	/	<=13	Pass
	3500.01	Outer_Full	5.52	/	/	<=13	Pass
	3529.98	Outer_Full	5.58	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3470.01	Outer_Full	5.76	/	/	<=13	Pass
	3500.01	Outer_Full	5.92	/	/	<=13	Pass
	3529.98	Outer_Full	5.95	/	/	<=13	Pass
CP-OFDM QPSK	3470.01	Outer_Full	5.99	/	/	<=13	Pass
	3500.01	Outer_Full	6.49	/	/	<=13	Pass
	3529.98	Outer_Full	6.45	/	/	<=13	Pass
CP-OFDM 16 QAM	3470.01	Outer_Full	6.03	/	/	<=13	Pass
	3500.01	Outer_Full	6.49	/	/	<=13	Pass
	3529.98	Outer_Full	6.47	/	/	<=13	Pass
CP-OFDM 64 QAM	3470.01	Outer_Full	6.44	/	/	<=13	Pass
	3500.01	Outer_Full	6.52	/	/	<=13	Pass
	3529.98	Outer_Full	6.57	/	/	<=13	Pass
CP-OFDM 256 QAM	3470.01	Outer_Full	7.53	/	/	<=13	Pass
	3500.01	Outer_Full	7.60	/	/	<=13	Pass

	3529.98	Outer_Full	7.63	/	/	<=13	Pass
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4.1.6 30k_SISO_50MHz_NTNV

5G NR n78e SCS=30kHz SISO 50MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3475.02	Outer_Full	3.85	/	/	<=13	Pass
	3500.01	Outer_Full	4.33	/	/	<=13	Pass
	3525	Outer_Full	4.39	/	/	<=13	Pass
DFT-s-OFDM QPSK	3475.02	Outer_Full	4.73	/	/	<=13	Pass
	3500.01	Outer_Full	4.71	/	/	<=13	Pass
	3525	Outer_Full	4.71	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3475.02	Outer_Full	5.23	/	/	<=13	Pass
	3500.01	Outer_Full	5.34	/	/	<=13	Pass
	3525	Outer_Full	5.61	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3475.02	Outer_Full	5.56	/	/	<=13	Pass
	3500.01	Outer_Full	5.66	/	/	<=13	Pass
	3525	Outer_Full	5.67	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3475.02	Outer_Full	5.91	/	/	<=13	Pass
	3500.01	Outer_Full	6.01	/	/	<=13	Pass
	3525	Outer_Full	6.05	/	/	<=13	Pass
CP-OFDM QPSK	3475.02	Outer_Full	6.25	/	/	<=13	Pass
	3500.01	Outer_Full	6.60	/	/	<=13	Pass
	3525	Outer_Full	6.58	/	/	<=13	Pass
CP-OFDM 16 QAM	3475.02	Outer_Full	6.22	/	/	<=13	Pass
	3500.01	Outer_Full	6.62	/	/	<=13	Pass
	3525	Outer_Full	6.58	/	/	<=13	Pass
CP-OFDM 64 QAM	3475.02	Outer_Full	6.57	/	/	<=13	Pass
	3500.01	Outer_Full	6.65	/	/	<=13	Pass
	3525	Outer_Full	6.64	/	/	<=13	Pass
CP-OFDM 256 QAM	3475.02	Outer_Full	7.61	/	/	<=13	Pass
	3500.01	Outer_Full	7.65	/	/	<=13	Pass
	3525	Outer_Full	7.67	/	/	<=13	Pass

4.1.7 30k_SISO_60MHz_NTNV

5G NR n78e SCS=30kHz SISO 60MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3480	Outer_Full	3.75	/	/	<=13	Pass
	3500.01	Outer_Full	4.07	/	/	<=13	Pass
	3519.99	Outer_Full	4.73	/	/	<=13	Pass
DFT-s-OFDM QPSK	3480	Outer_Full	4.76	/	/	<=13	Pass
	3500.01	Outer_Full	4.74	/	/	<=13	Pass
	3519.99	Outer_Full	4.69	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3480	Outer_Full	5.36	/	/	<=13	Pass
	3500.01	Outer_Full	5.36	/	/	<=13	Pass
	3519.99	Outer_Full	5.58	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3480	Outer_Full	5.66	/	/	<=13	Pass
	3500.01	Outer_Full	5.69	/	/	<=13	Pass
	3519.99	Outer_Full	5.70	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3480	Outer_Full	5.99	/	/	<=13	Pass
	3500.01	Outer_Full	6.09	/	/	<=13	Pass
	3519.99	Outer_Full	6.10	/	/	<=13	Pass
CP-OFDM QPSK	3480	Outer_Full	6.34	/	/	<=13	Pass

CP-OFDM 16 QAM	3500.01	Outer_Full	6.66	/	/	<=13	Pass
	3519.99	Outer_Full	6.67	/	/	<=13	Pass
	3480	Outer_Full	6.30	/	/	<=13	Pass
	3500.01	Outer_Full	6.68	/	/	<=13	Pass
	3519.99	Outer_Full	6.63	/	/	<=13	Pass
CP-OFDM 64 QAM	3480	Outer_Full	6.67	/	/	<=13	Pass
	3500.01	Outer_Full	6.70	/	/	<=13	Pass
	3519.99	Outer_Full	6.69	/	/	<=13	Pass
CP-OFDM 256 QAM	3480	Outer_Full	7.60	/	/	<=13	Pass
	3500.01	Outer_Full	7.63	/	/	<=13	Pass
	3519.99	Outer_Full	7.66	/	/	<=13	Pass

4.1.8 30k_SISO_70MHz_NTNV

5G NR n78e SCS=30kHz SISO 70MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3485.01	Outer_Full	3.95	/	/	<=13	Pass
	3500.01	Outer_Full	4.21	/	/	<=13	Pass
	3514.98	Outer_Full	4.31	/	/	<=13	Pass
DFT-s-OFDM QPSK	3485.01	Outer_Full	4.85	/	/	<=13	Pass
	3500.01	Outer_Full	4.82	/	/	<=13	Pass
	3514.98	Outer_Full	4.84	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3485.01	Outer_Full	5.34	/	/	<=13	Pass
	3500.01	Outer_Full	5.36	/	/	<=13	Pass
	3514.98	Outer_Full	5.43	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3485.01	Outer_Full	5.68	/	/	<=13	Pass
	3500.01	Outer_Full	5.72	/	/	<=13	Pass
	3514.98	Outer_Full	5.75	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3485.01	Outer_Full	5.98	/	/	<=13	Pass
	3500.01	Outer_Full	6.01	/	/	<=13	Pass
	3514.98	Outer_Full	6.10	/	/	<=13	Pass
CP-OFDM QPSK	3485.01	Outer_Full	6.53	/	/	<=13	Pass
	3500.01	Outer_Full	6.53	/	/	<=13	Pass
	3514.98	Outer_Full	6.76	/	/	<=13	Pass
CP-OFDM 16 QAM	3485.01	Outer_Full	6.52	/	/	<=13	Pass
	3500.01	Outer_Full	6.57	/	/	<=13	Pass
	3514.98	Outer_Full	6.80	/	/	<=13	Pass
CP-OFDM 64 QAM	3485.01	Outer_Full	6.75	/	/	<=13	Pass
	3500.01	Outer_Full	6.80	/	/	<=13	Pass
	3514.98	Outer_Full	6.82	/	/	<=13	Pass
CP-OFDM 256 QAM	3485.01	Outer_Full	7.63	/	/	<=13	Pass
	3500.01	Outer_Full	7.66	/	/	<=13	Pass
	3514.98	Outer_Full	7.69	/	/	<=13	Pass

4.1.9 30k_SISO_80MHz_NTNV

5G NR n78e SCS=30kHz SISO 80MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3490.02	Outer_Full	4.04	/	/	<=13	Pass
	3500.01	Outer_Full	3.98	/	/	<=13	Pass
	3510	Outer_Full	4.02	/	/	<=13	Pass
DFT-s-OFDM QPSK	3490.02	Outer_Full	4.96	/	/	<=13	Pass
	3500.01	Outer_Full	4.97	/	/	<=13	Pass
	3510	Outer_Full	4.98	/	/	<=13	Pass

DFT-s-OFDM 16 QAM	3490.02	Outer_Full	5.41	/	/	<=13	Pass
	3500.01	Outer_Full	5.40	/	/	<=13	Pass
	3510	Outer_Full	5.48	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3490.02	Outer_Full	5.74	/	/	<=13	Pass
	3500.01	Outer_Full	5.77	/	/	<=13	Pass
	3510	Outer_Full	5.78	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3490.02	Outer_Full	6.04	/	/	<=13	Pass
	3500.01	Outer_Full	6.04	/	/	<=13	Pass
	3510	Outer_Full	6.09	/	/	<=13	Pass
CP-OFDM QPSK	3490.02	Outer_Full	6.47	/	/	<=13	Pass
	3500.01	Outer_Full	6.47	/	/	<=13	Pass
	3510	Outer_Full	6.50	/	/	<=13	Pass
CP-OFDM 16 QAM	3490.02	Outer_Full	6.45	/	/	<=13	Pass
	3500.01	Outer_Full	6.45	/	/	<=13	Pass
	3510	Outer_Full	6.51	/	/	<=13	Pass
CP-OFDM 64 QAM	3490.02	Outer_Full	6.77	/	/	<=13	Pass
	3500.01	Outer_Full	6.77	/	/	<=13	Pass
	3510	Outer_Full	6.83	/	/	<=13	Pass
CP-OFDM 256 QAM	3490.02	Outer_Full	7.69	/	/	<=13	Pass
	3500.01	Outer_Full	7.71	/	/	<=13	Pass
	3510	Outer_Full	7.73	/	/	<=13	Pass

4.1.10 30k_SISO_90MHz_NTNV

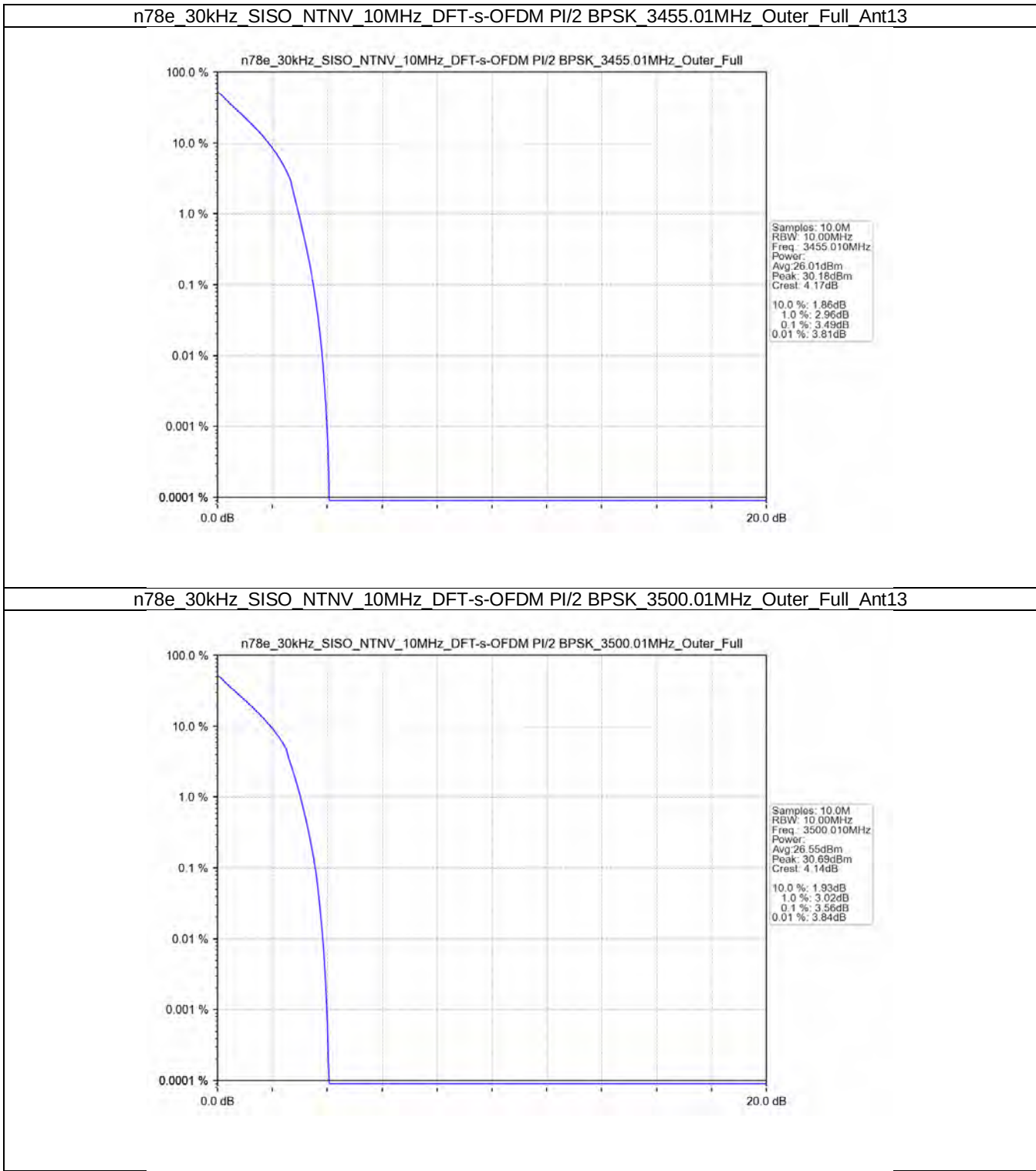
5G NR n78e SCS=30kHz SISO 90MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3495	Outer_Full	3.87	/	/	<=13	Pass
	3500.01	Outer_Full	4.04	/	/	<=13	Pass
	3504.99	Outer_Full	3.91	/	/	<=13	Pass
DFT-s-OFDM QPSK	3495	Outer_Full	4.81	/	/	<=13	Pass
	3500.01	Outer_Full	4.80	/	/	<=13	Pass
	3504.99	Outer_Full	4.81	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3495	Outer_Full	5.34	/	/	<=13	Pass
	3500.01	Outer_Full	5.35	/	/	<=13	Pass
	3504.99	Outer_Full	5.34	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3495	Outer_Full	5.63	/	/	<=13	Pass
	3500.01	Outer_Full	5.64	/	/	<=13	Pass
	3504.99	Outer_Full	5.64	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3495	Outer_Full	6.02	/	/	<=13	Pass
	3500.01	Outer_Full	6.03	/	/	<=13	Pass
	3504.99	Outer_Full	6.04	/	/	<=13	Pass
CP-OFDM QPSK	3495	Outer_Full	6.29	/	/	<=13	Pass
	3500.01	Outer_Full	6.28	/	/	<=13	Pass
	3504.99	Outer_Full	6.41	/	/	<=13	Pass
CP-OFDM 16 QAM	3495	Outer_Full	6.28	/	/	<=13	Pass
	3500.01	Outer_Full	6.29	/	/	<=13	Pass
	3504.99	Outer_Full	6.33	/	/	<=13	Pass
CP-OFDM 64 QAM	3495	Outer_Full	6.59	/	/	<=13	Pass
	3500.01	Outer_Full	6.61	/	/	<=13	Pass
	3504.99	Outer_Full	6.59	/	/	<=13	Pass
CP-OFDM 256 QAM	3495	Outer_Full	7.67	/	/	<=13	Pass
	3500.01	Outer_Full	7.70	/	/	<=13	Pass
	3504.99	Outer_Full	7.67	/	/	<=13	Pass

4.1.11 30k_SISO_100MHz_NTNV

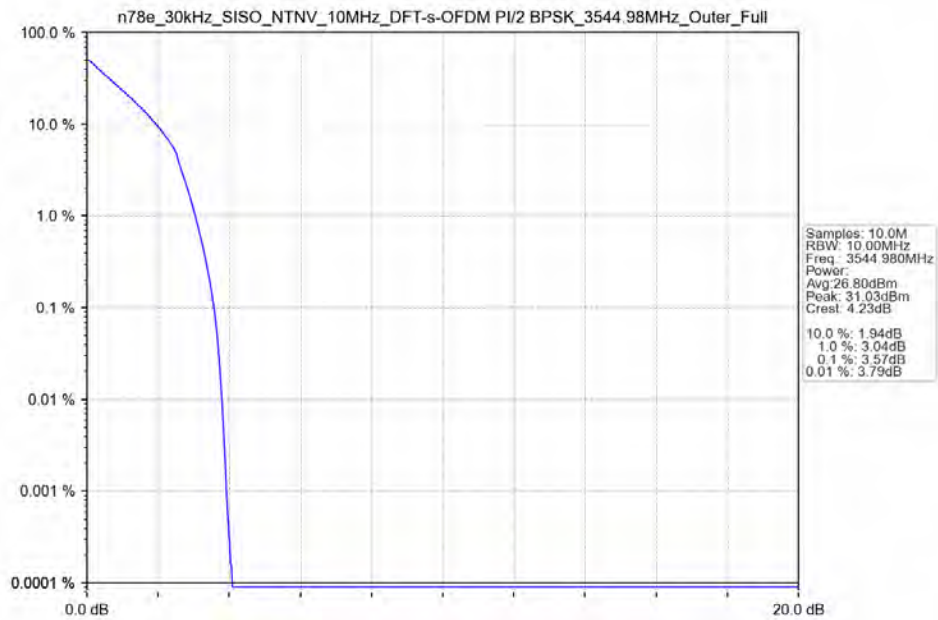
5G NR n78e SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	3.97	/	/	<=13	Pass
	3500.01	Outer_Full	4.01	/	/	<=13	Pass
	3499.98	Outer_Full	3.99	/	/	<=13	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	4.85	/	/	<=13	Pass
	3500.01	Outer_Full	4.85	/	/	<=13	Pass
	3499.98	Outer_Full	4.84	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	5.34	/	/	<=13	Pass
	3500.01	Outer_Full	5.36	/	/	<=13	Pass
	3499.98	Outer_Full	5.35	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	5.66	/	/	<=13	Pass
	3500.01	Outer_Full	5.66	/	/	<=13	Pass
	3499.98	Outer_Full	5.66	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	6.06	/	/	<=13	Pass
	3500.01	Outer_Full	6.07	/	/	<=13	Pass
	3499.98	Outer_Full	6.03	/	/	<=13	Pass
CP-OFDM QPSK	3500.01	Outer_Full	6.32	/	/	<=13	Pass
	3500.01	Outer_Full	6.27	/	/	<=13	Pass
	3499.98	Outer_Full	6.28	/	/	<=13	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	6.27	/	/	<=13	Pass
	3500.01	Outer_Full	6.28	/	/	<=13	Pass
	3499.98	Outer_Full	6.35	/	/	<=13	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	6.62	/	/	<=13	Pass
	3500.01	Outer_Full	6.61	/	/	<=13	Pass
	3499.98	Outer_Full	6.59	/	/	<=13	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	7.66	/	/	<=13	Pass
	3500.01	Outer_Full	7.64	/	/	<=13	Pass
	3499.98	Outer_Full	7.64	/	/	<=13	Pass

4.2 Test Graph

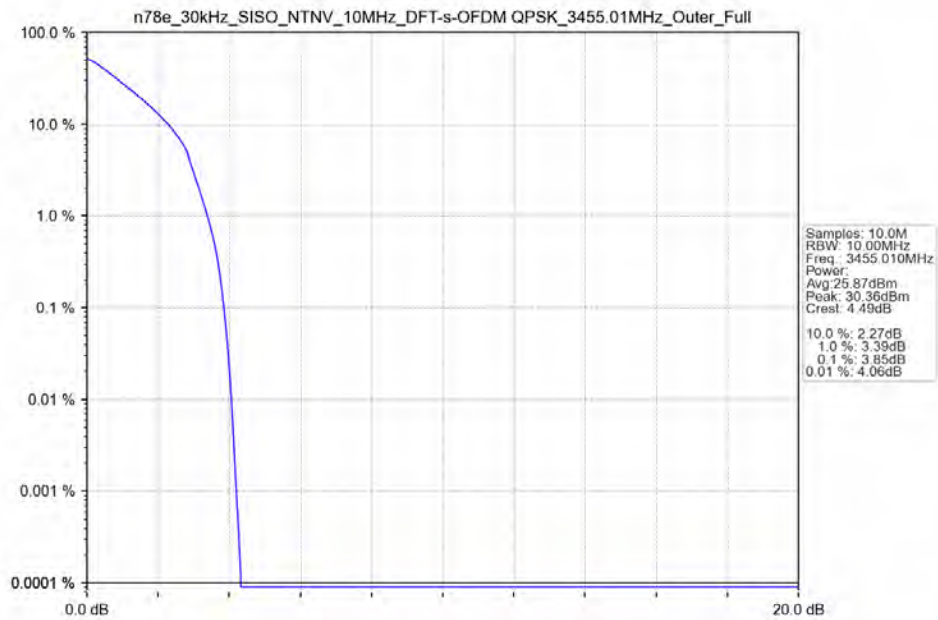
4.2.1 30k_SISO_10MHz_NTNV



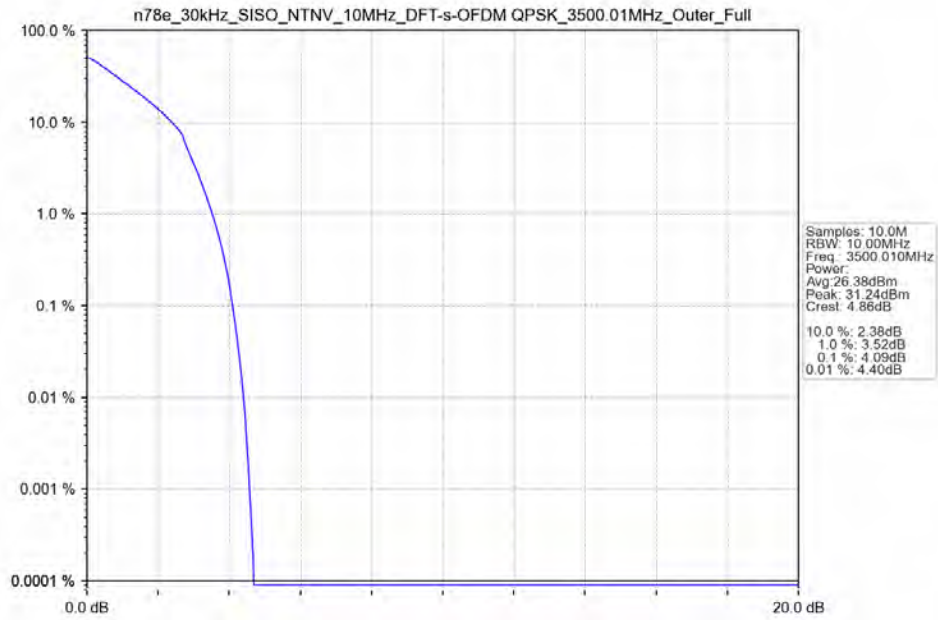
n78e 30kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 3544.98MHz Outer Full Ant13



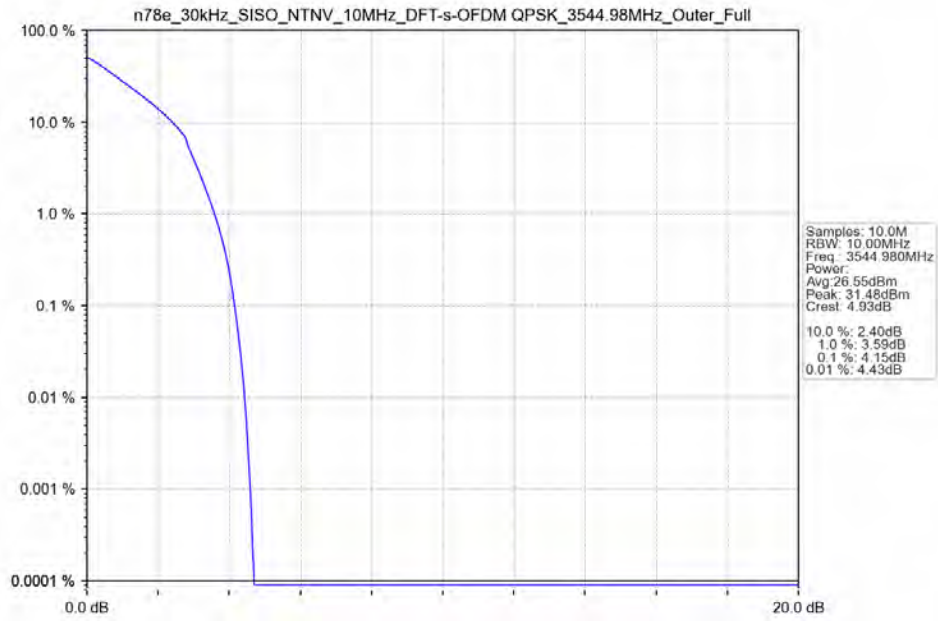
n78e 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 3455.01MHz Outer Full Ant13



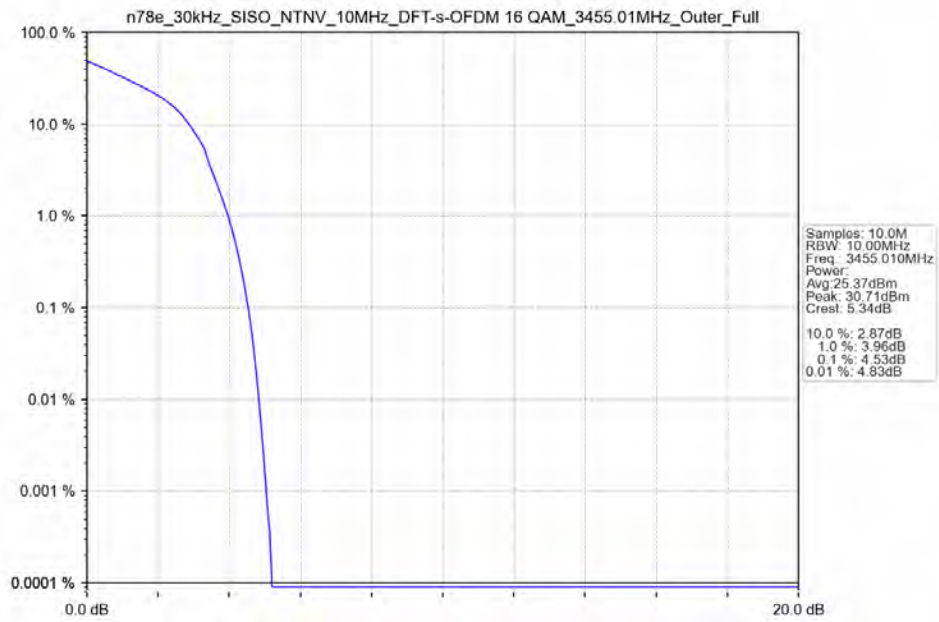
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full_Ant13



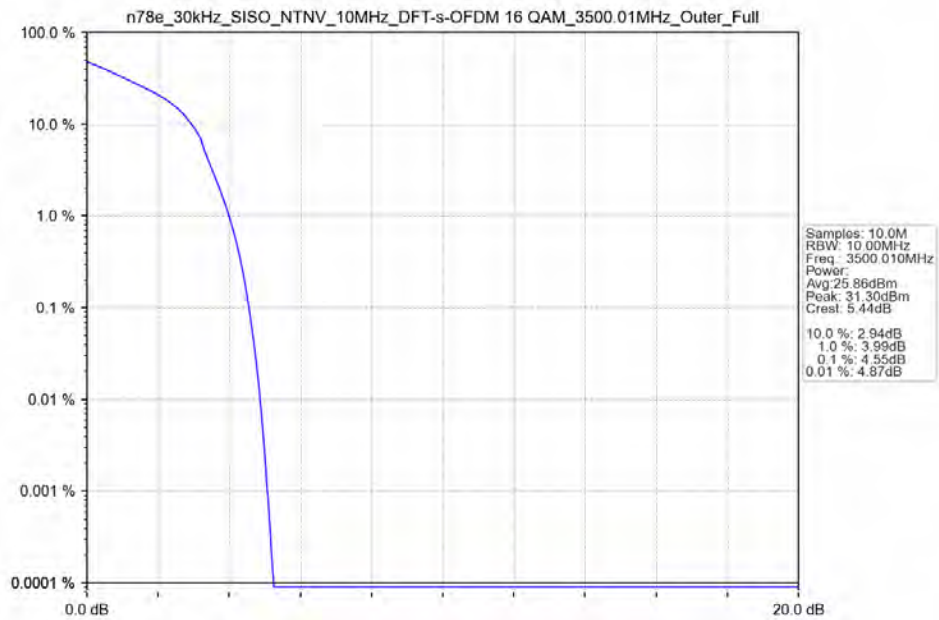
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3544.98MHz_Outer_Full_Ant13



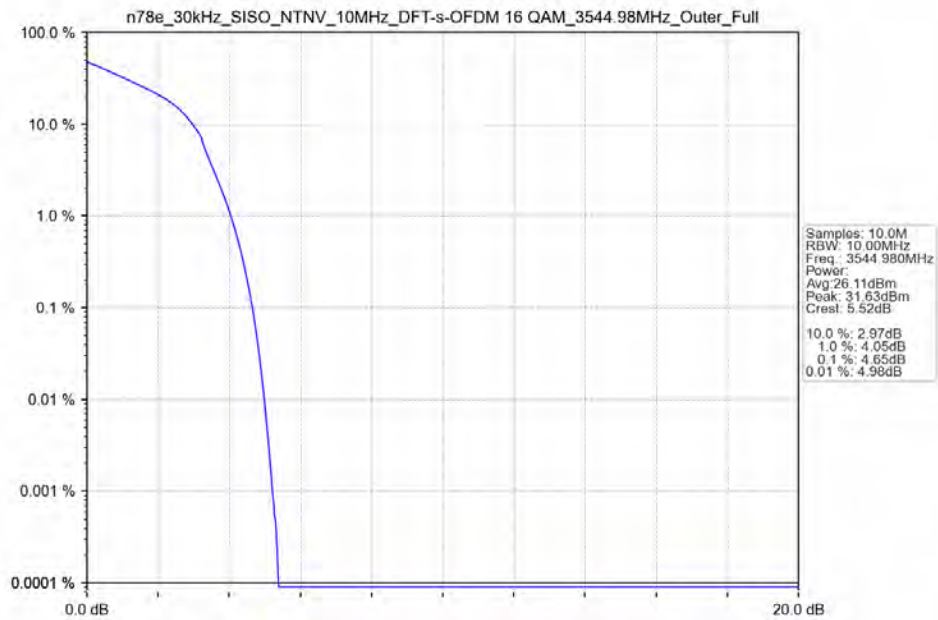
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3455.01MHz_Outer_Full_Ant13



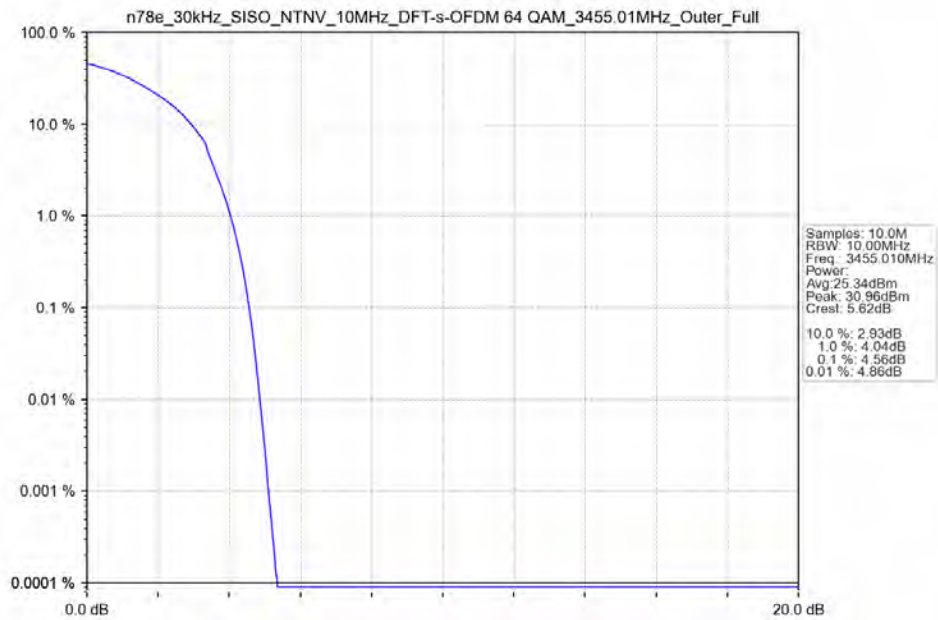
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant13



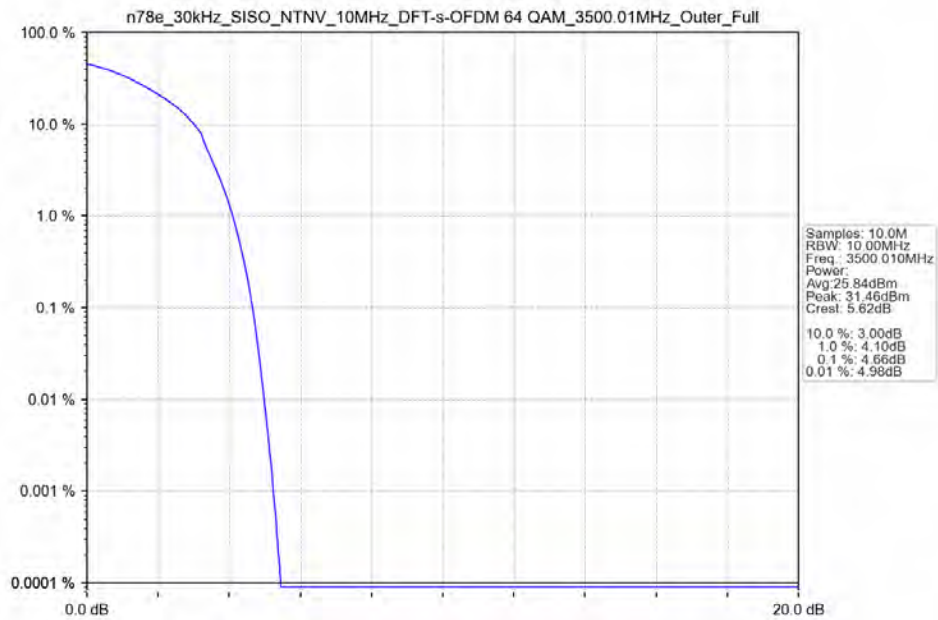
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3544.98MHz_Outer_Full_Ant13



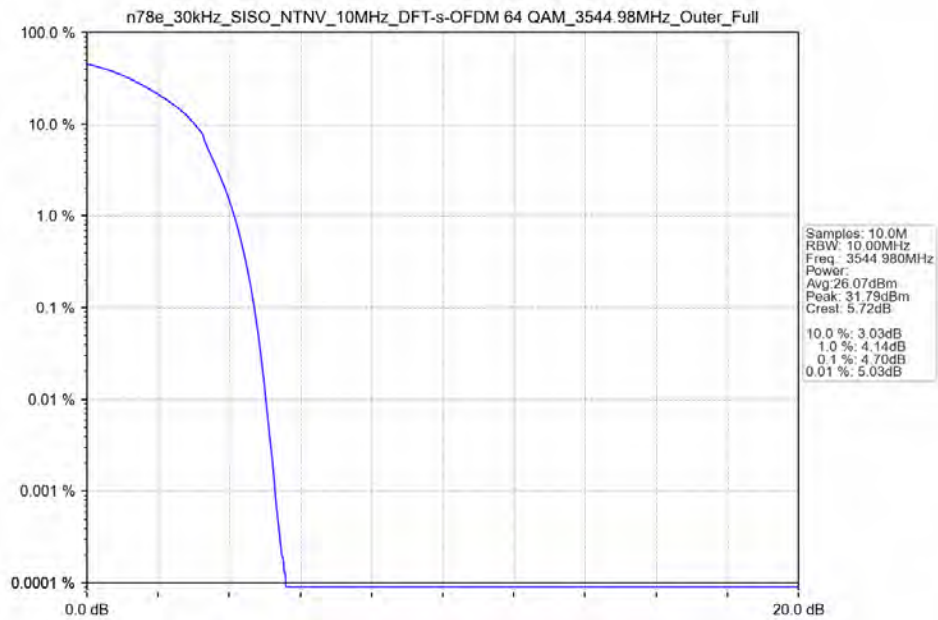
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_3455.01MHz_Outer_Full_Ant13



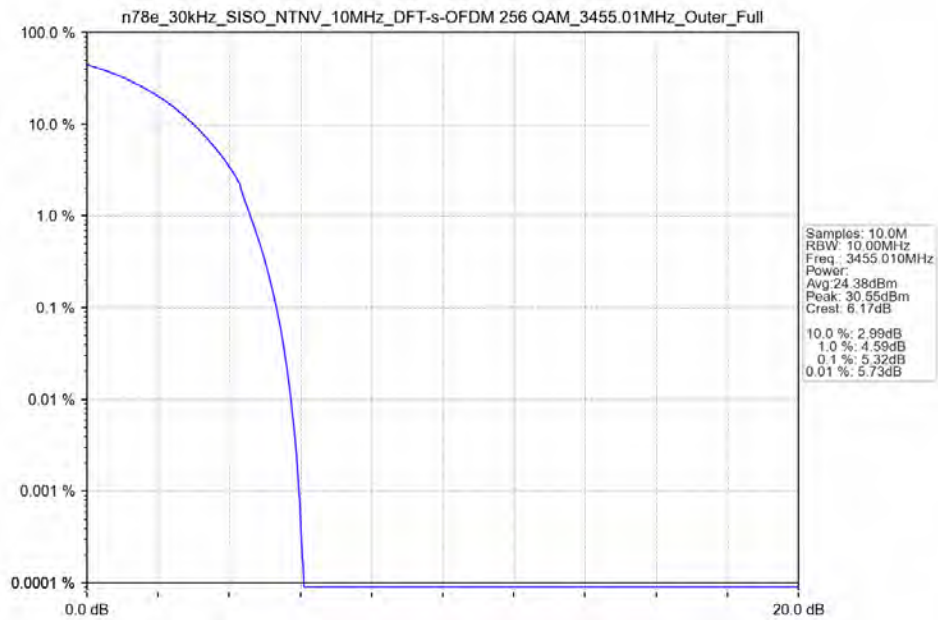
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant13



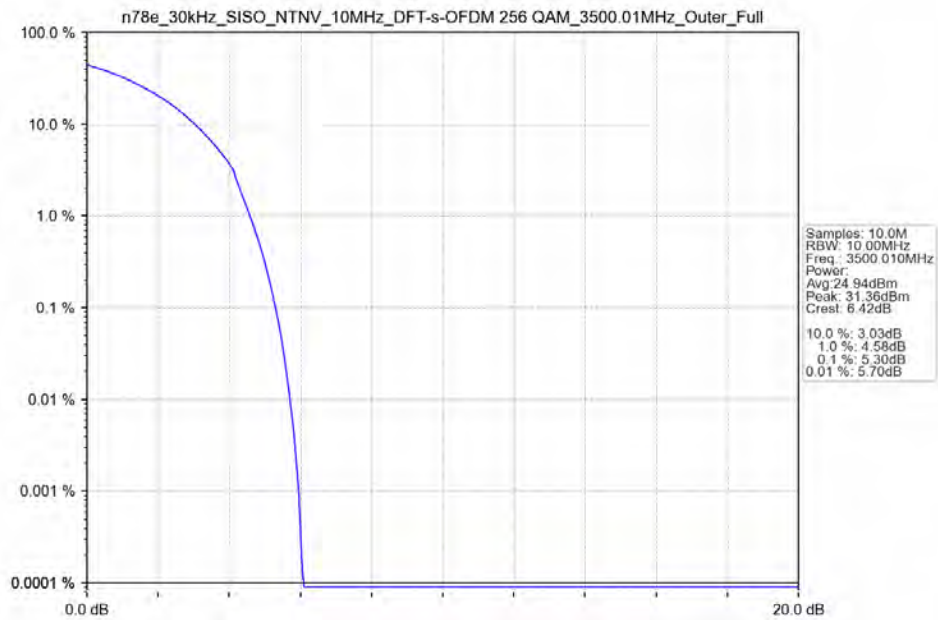
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_3544.98MHz_Outer_Full_Ant13



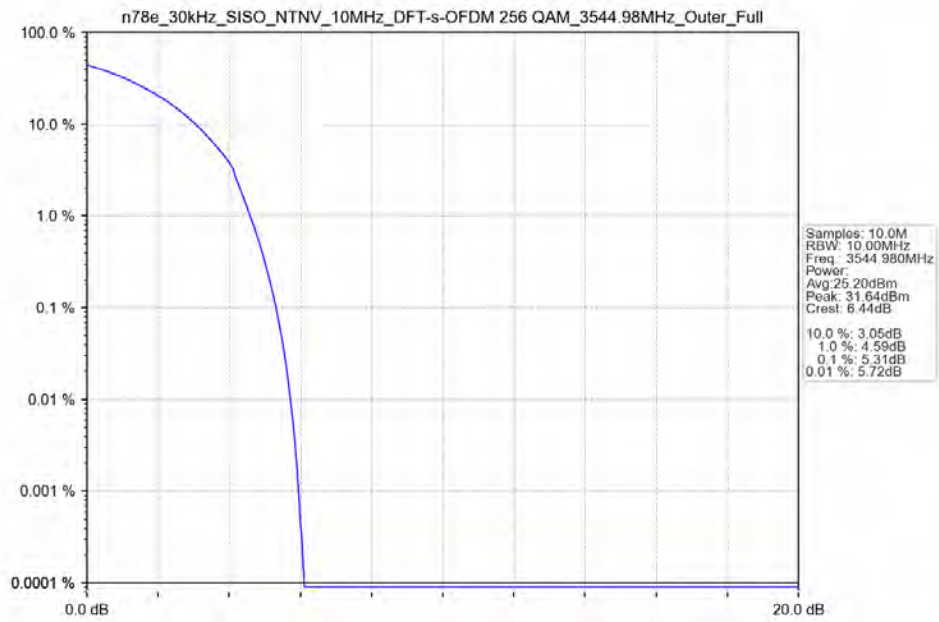
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_3455.01MHz_Outer_Full_Ant13



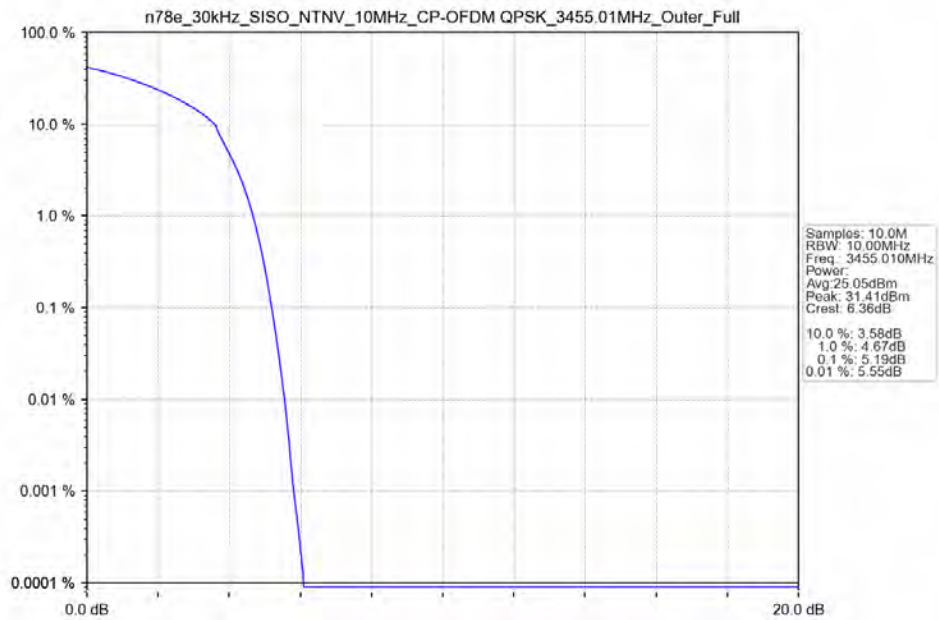
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant13



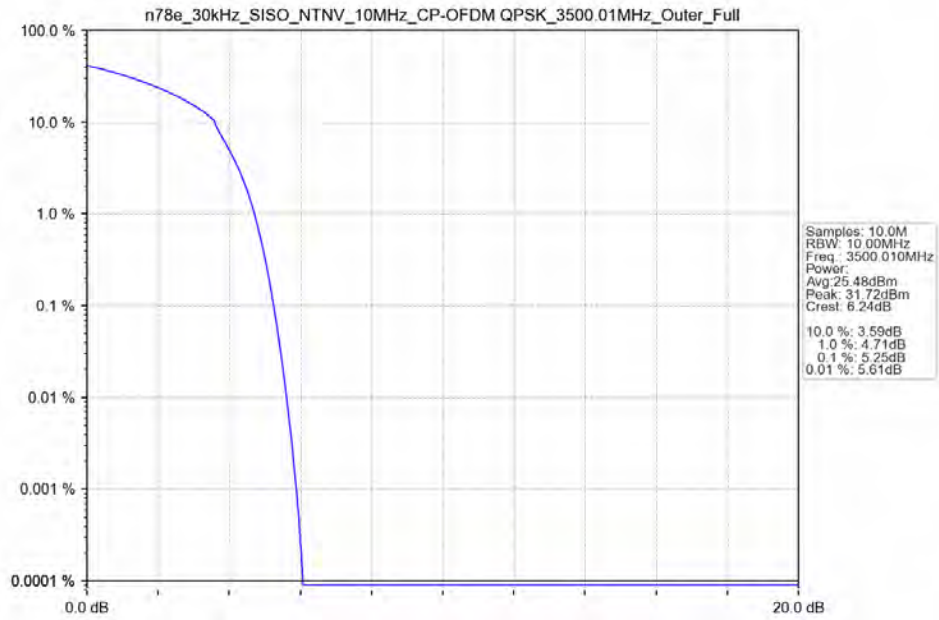
n78e 30kHz SISO NTV 10MHz DFT-s-OFDM 256 QAM 3544.98MHz Outer Full Ant13



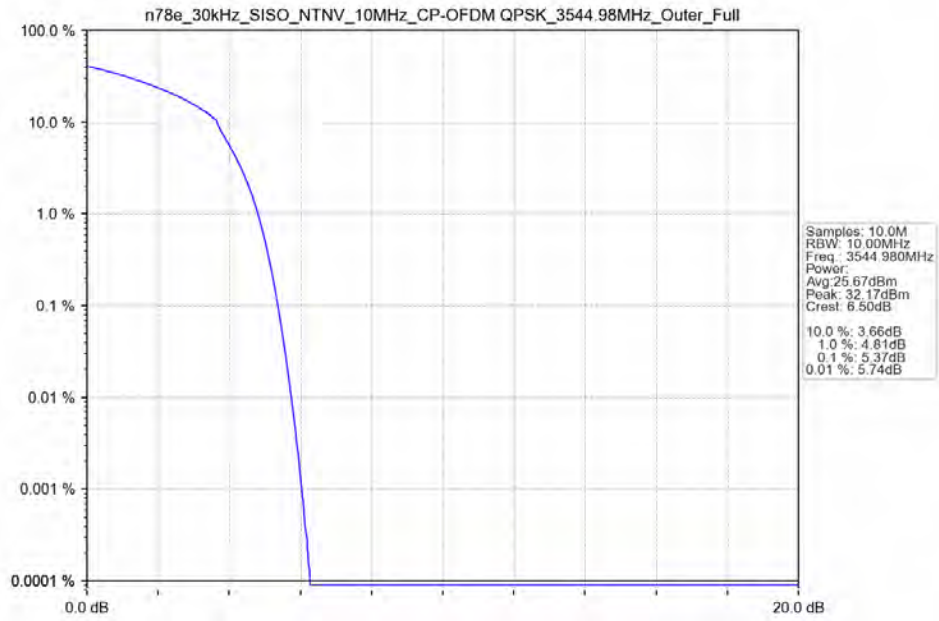
n78e 30kHz SISO NTV 10MHz CP-OFDM QPSK 3455.01MHz Outer Full Ant13



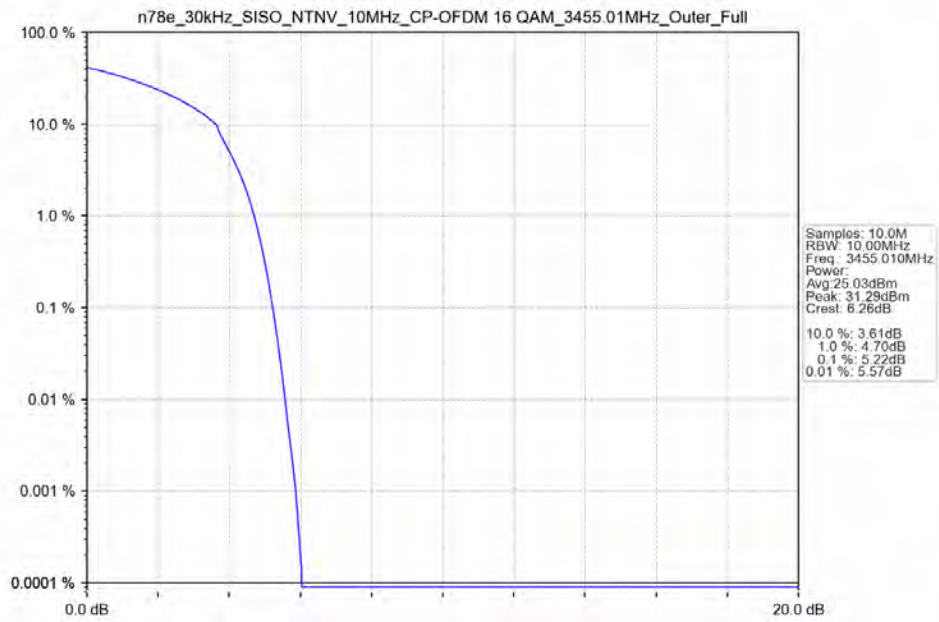
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant13



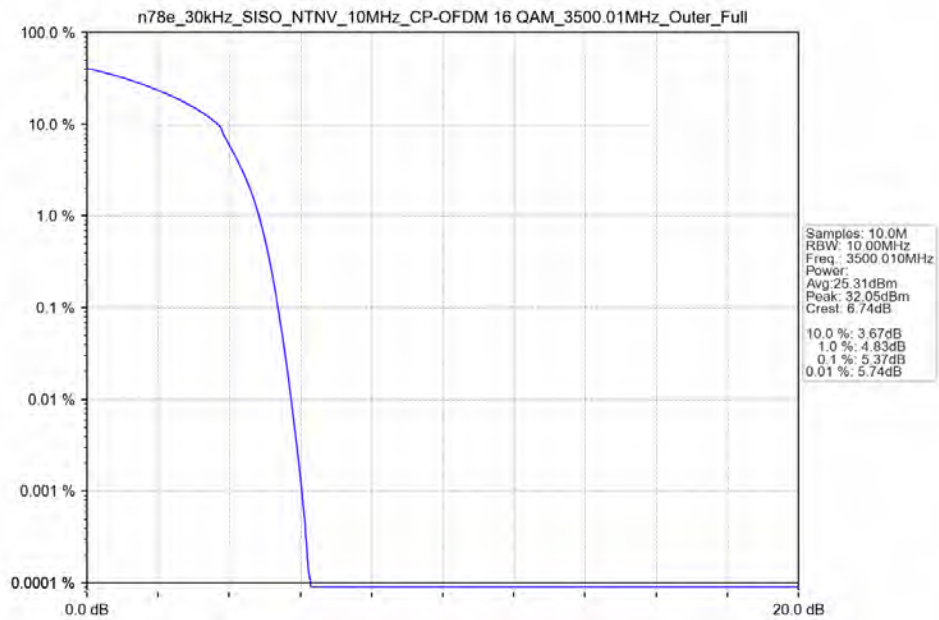
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3544.98MHz_Outer_Full_Ant13



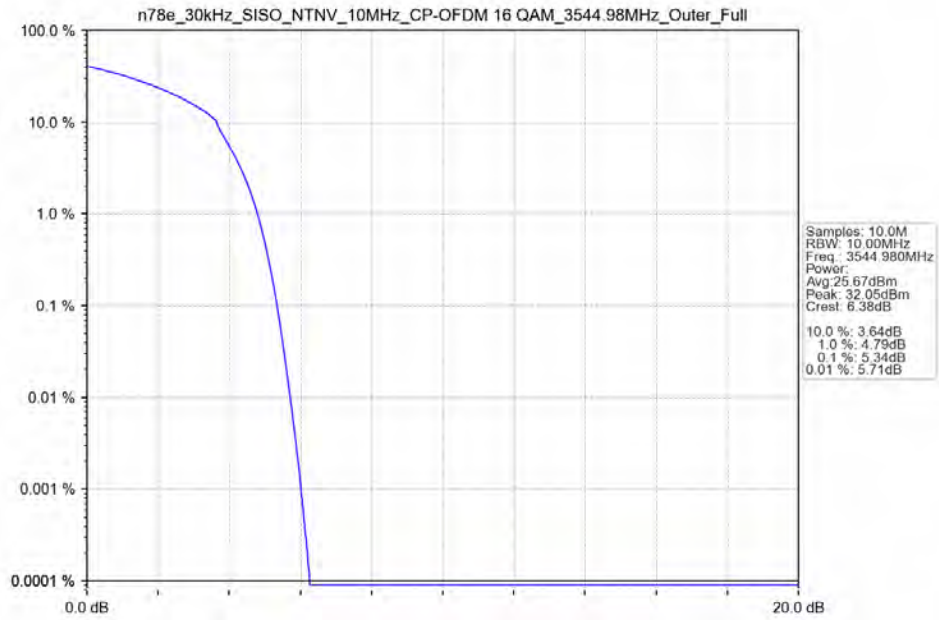
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_3455.01MHz_Outer_Full_Ant13



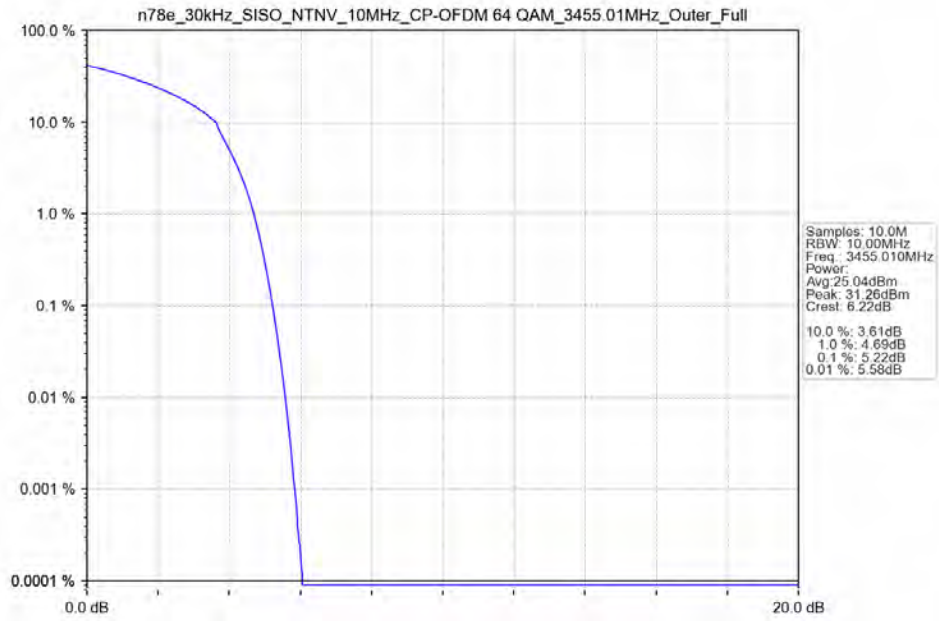
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant13



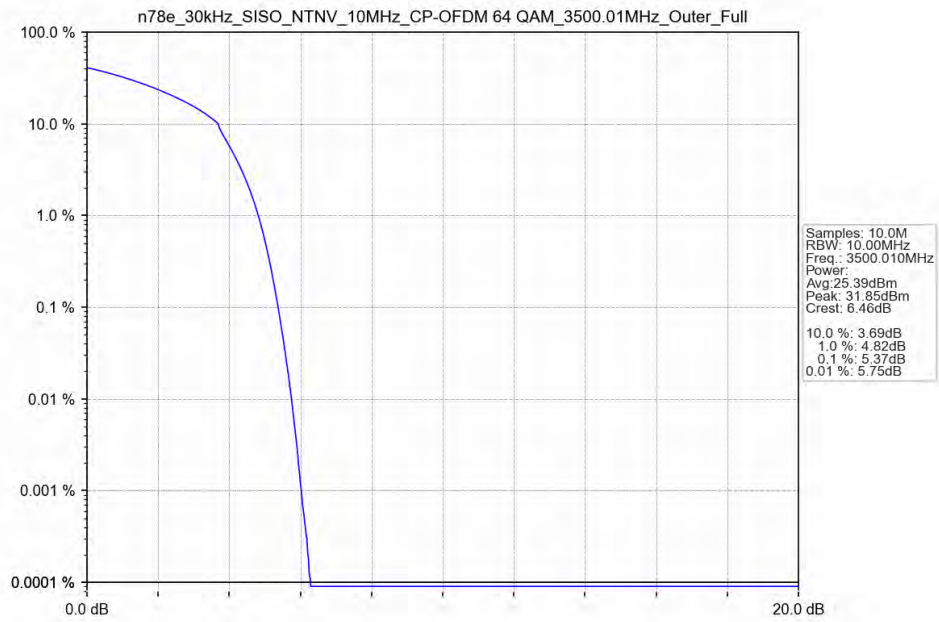
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 3544.98MHz_Outer_Full_Ant13



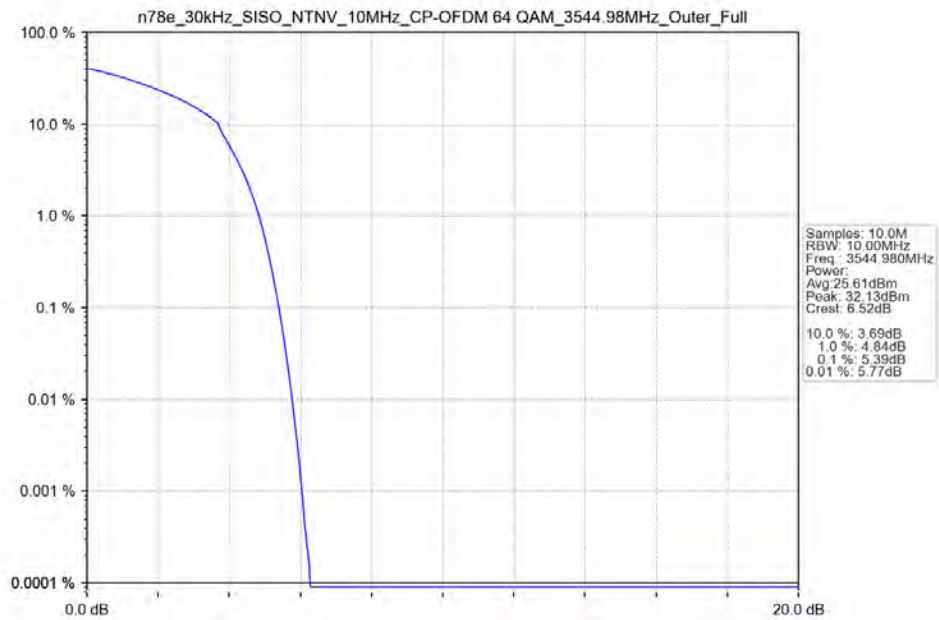
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 3455.01MHz_Outer_Full_Ant13



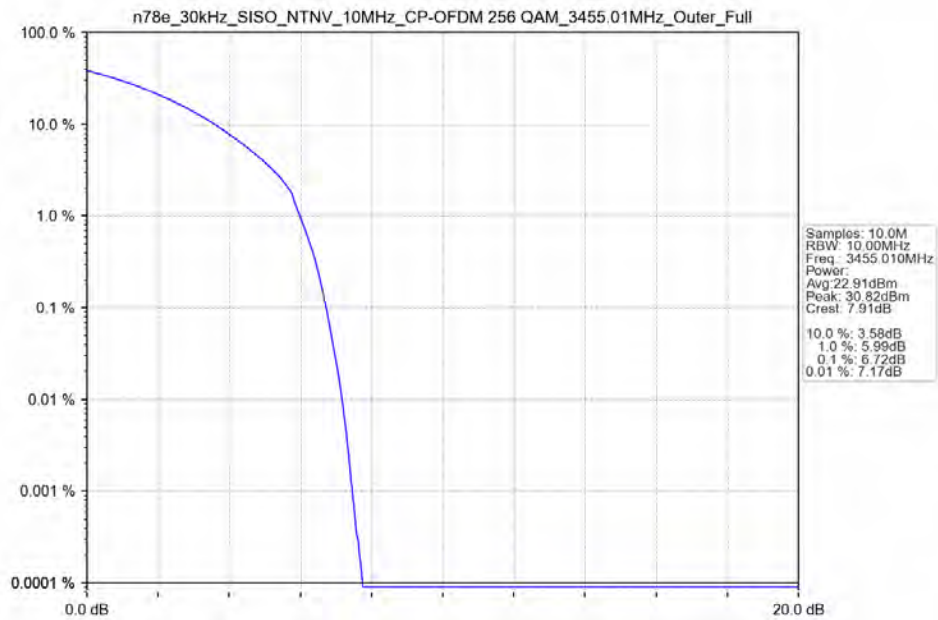
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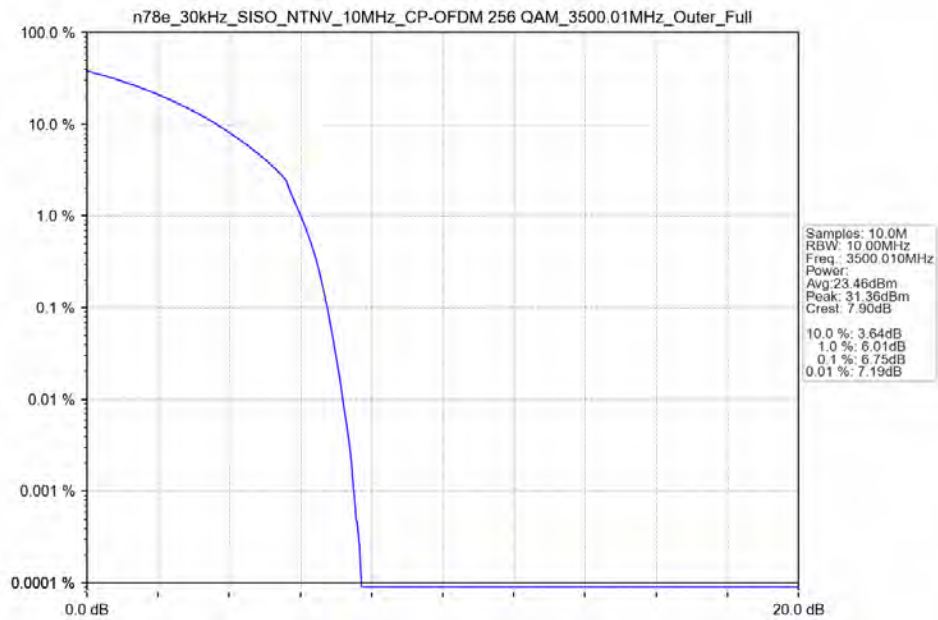
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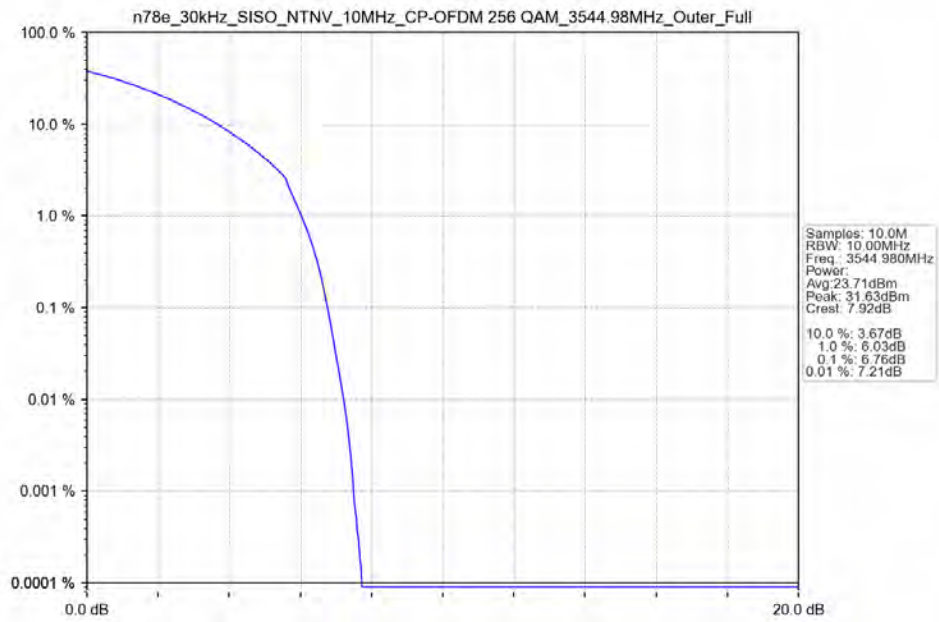
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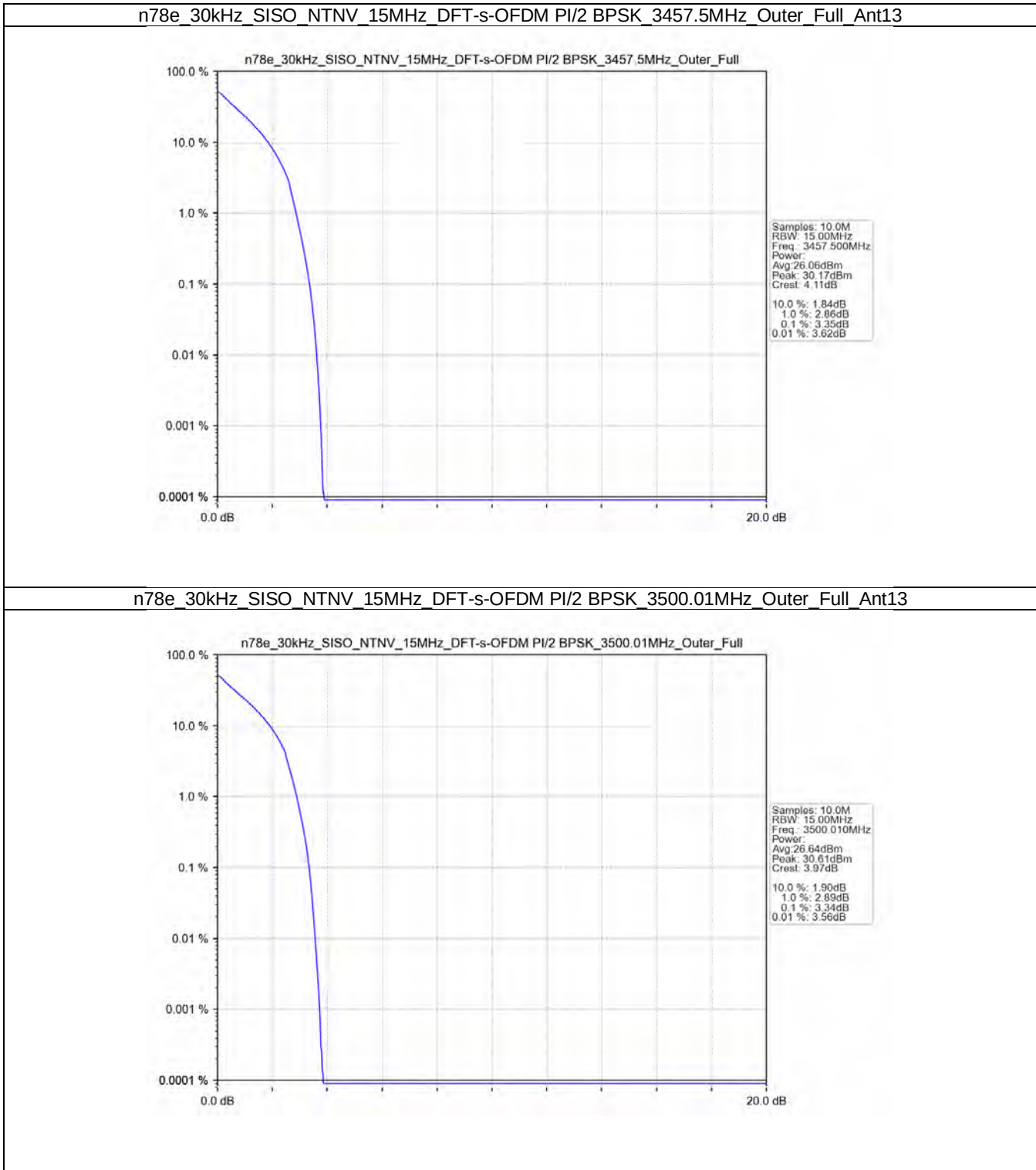
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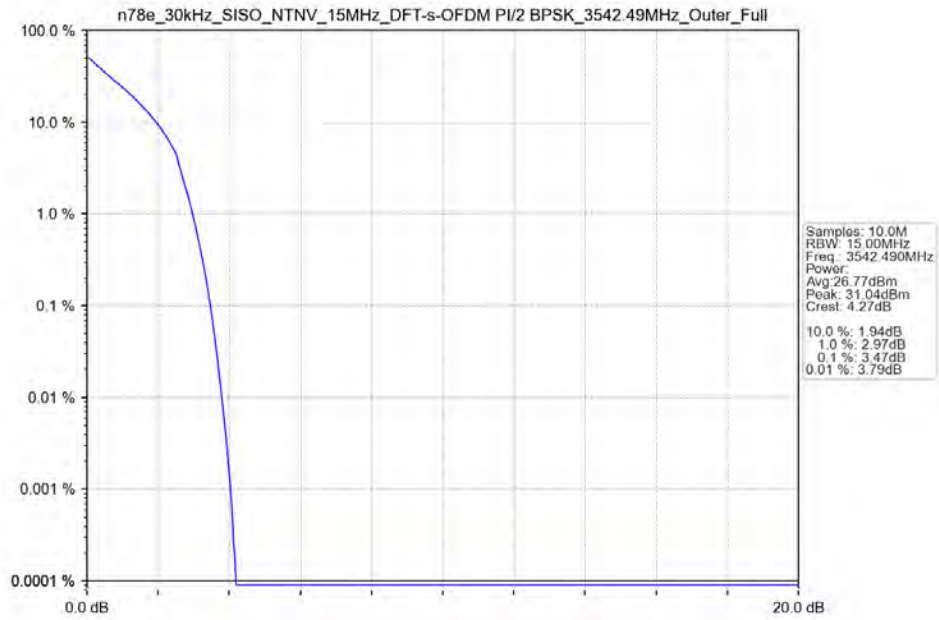
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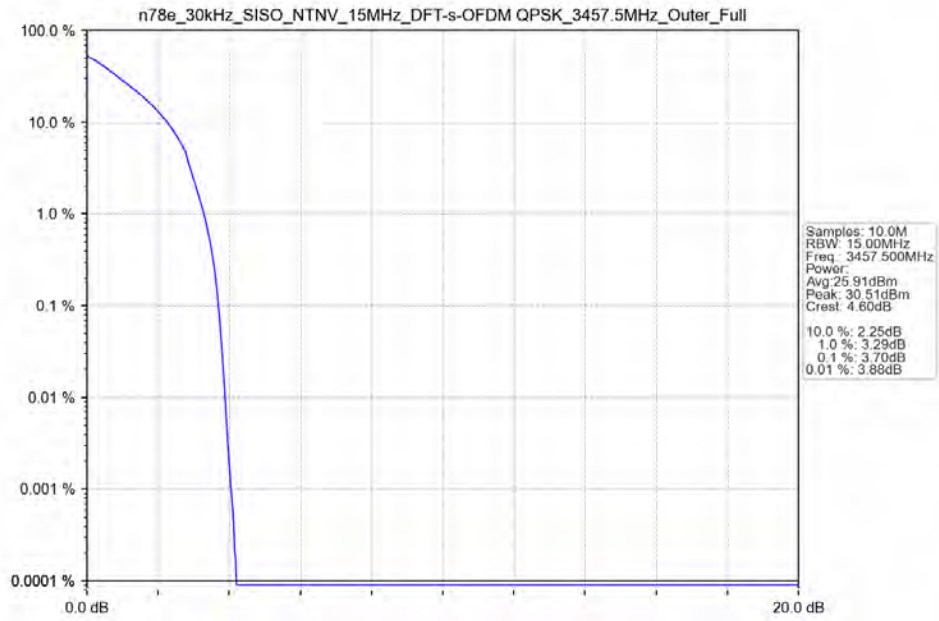
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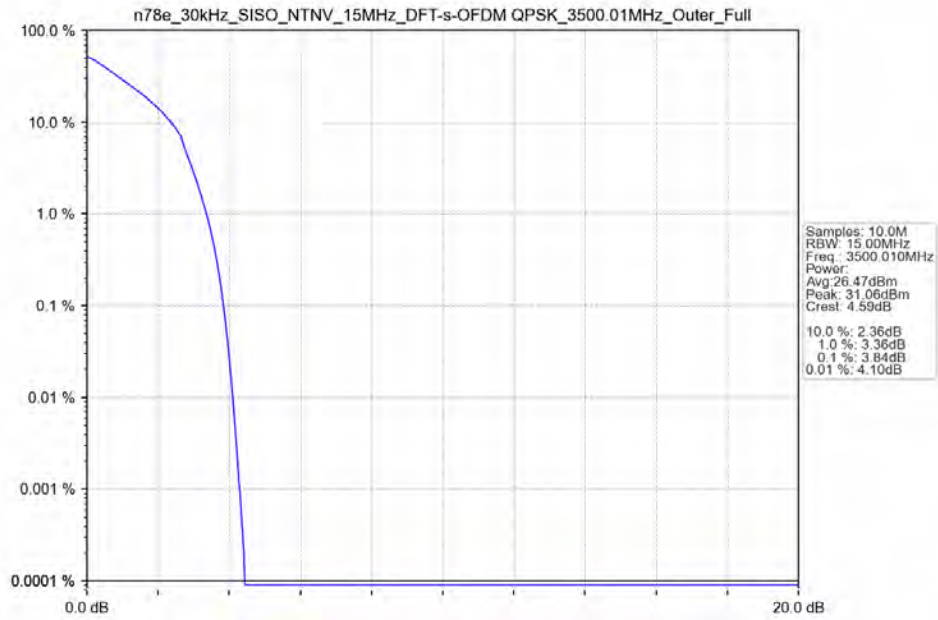
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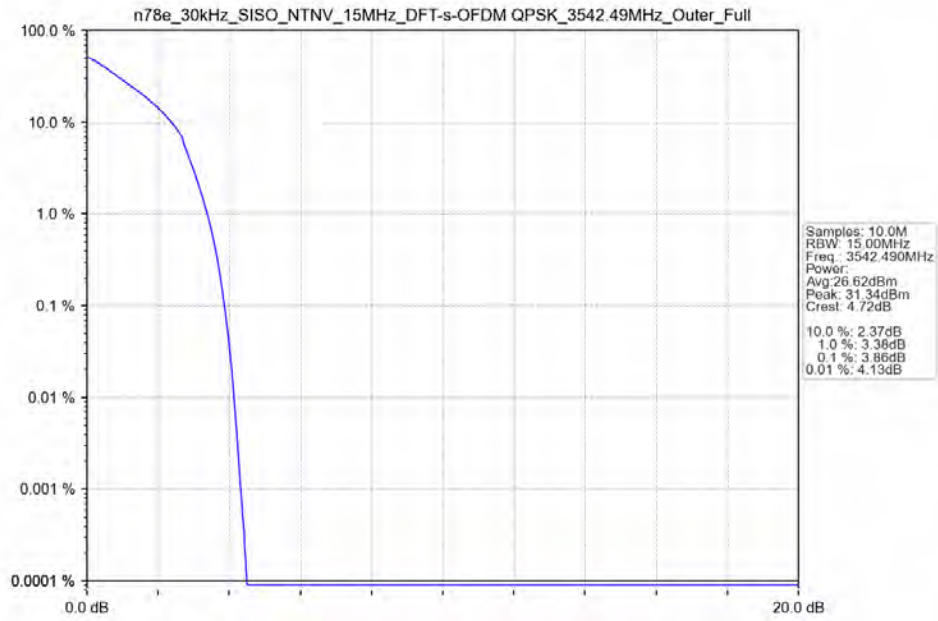
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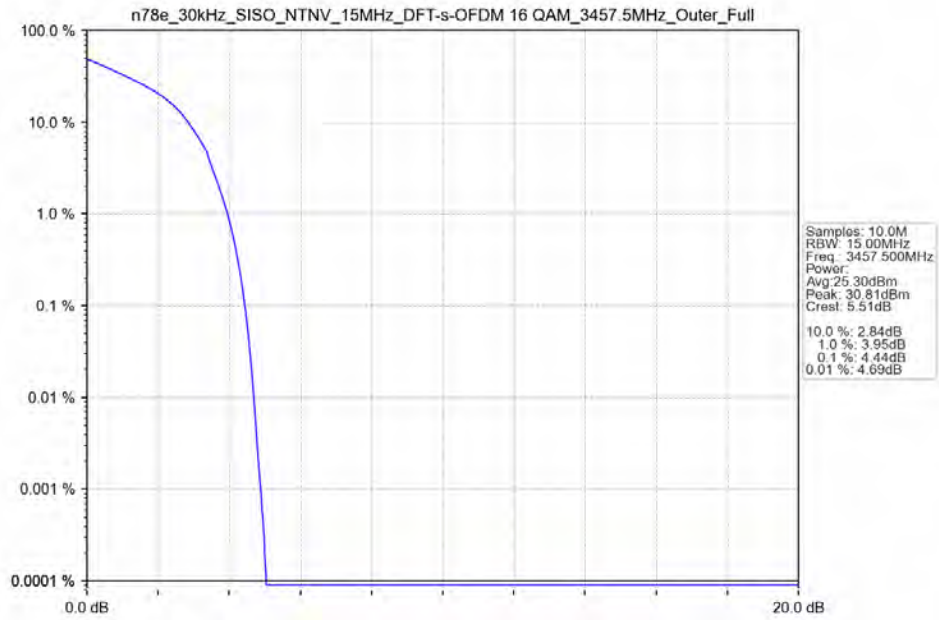
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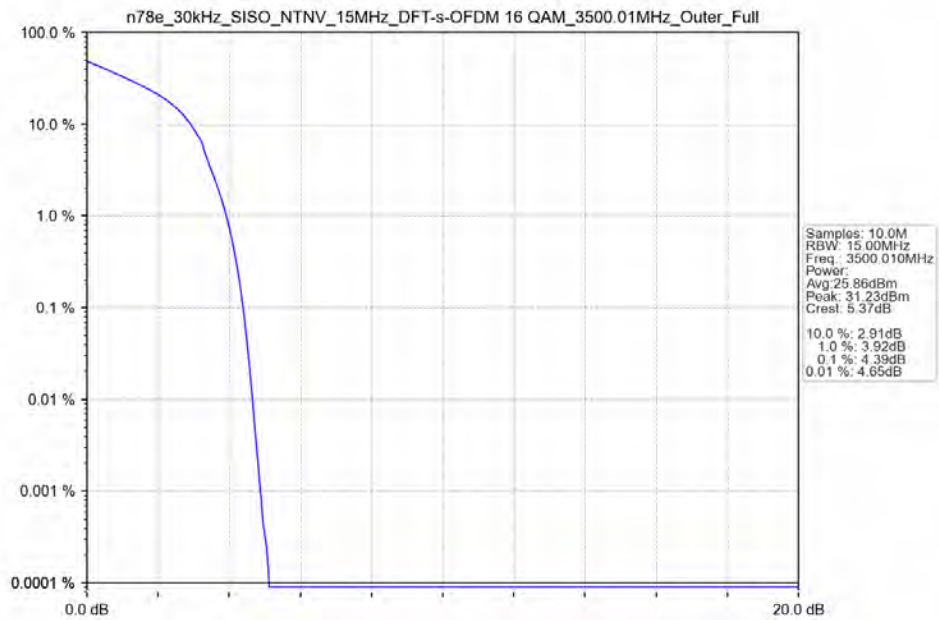
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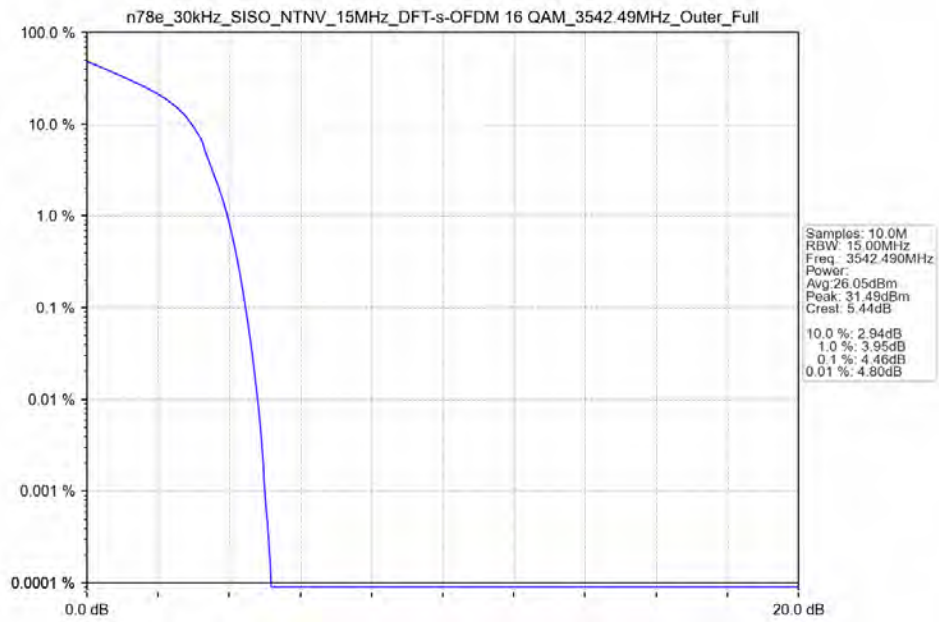
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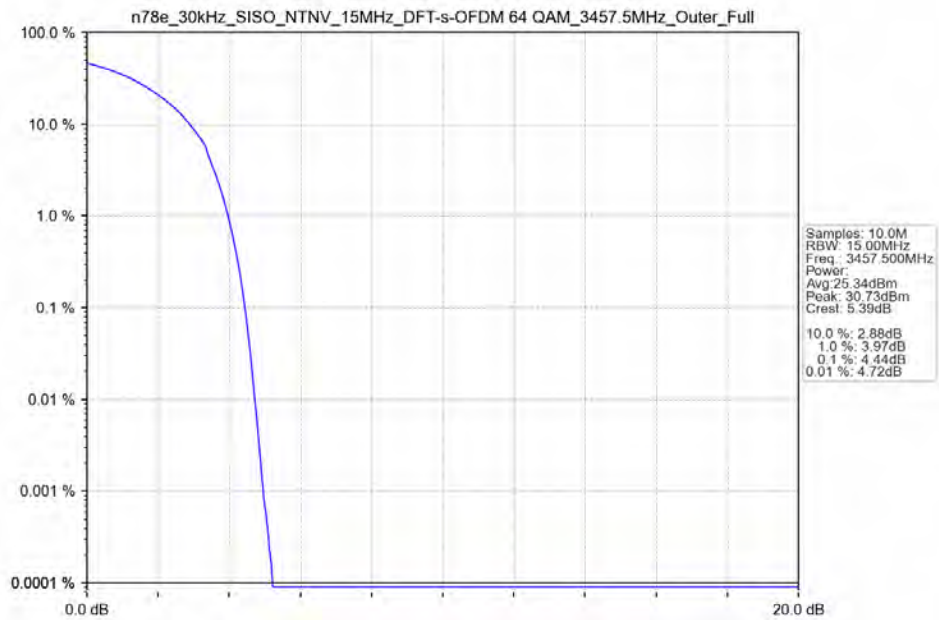
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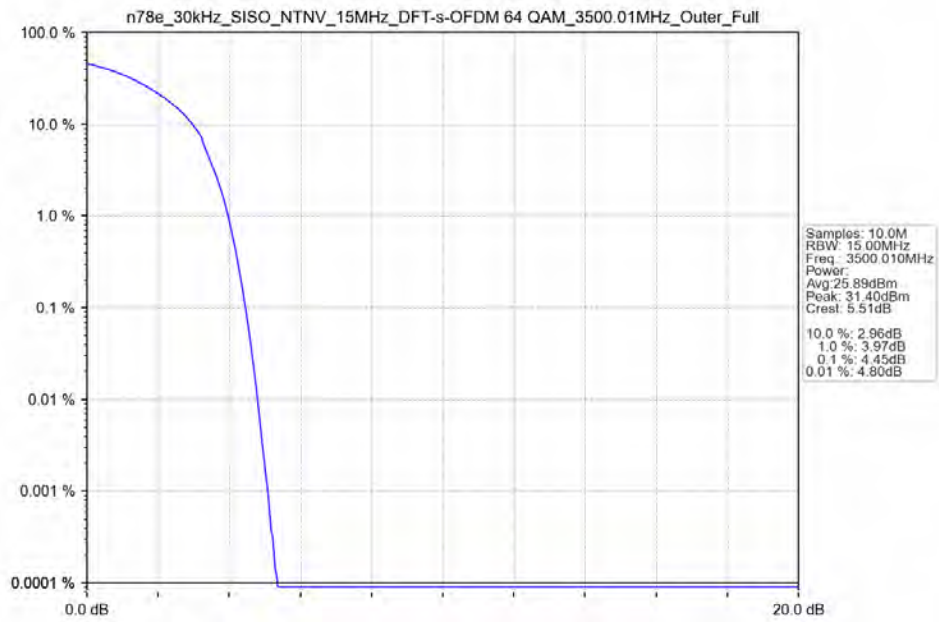
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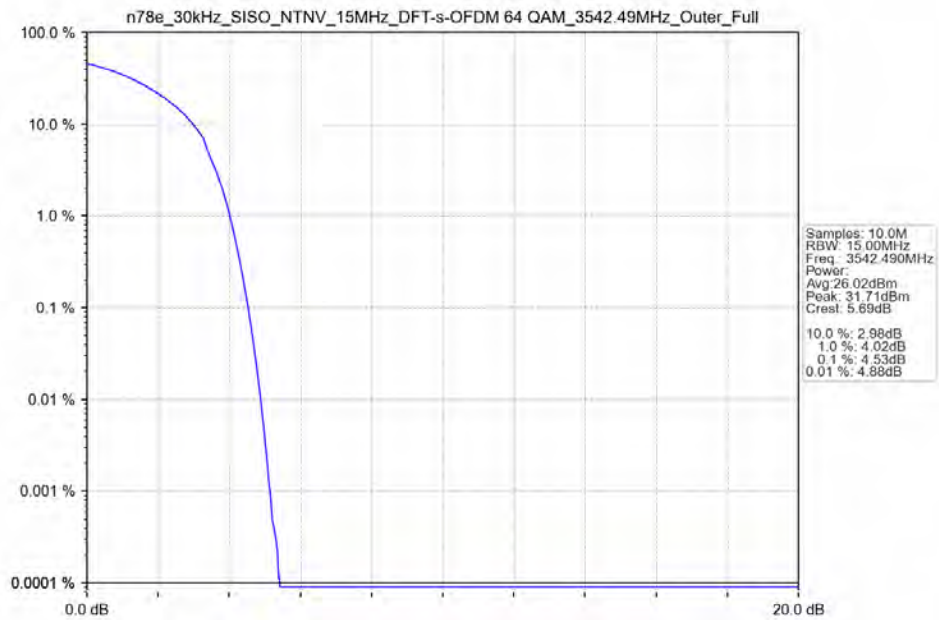
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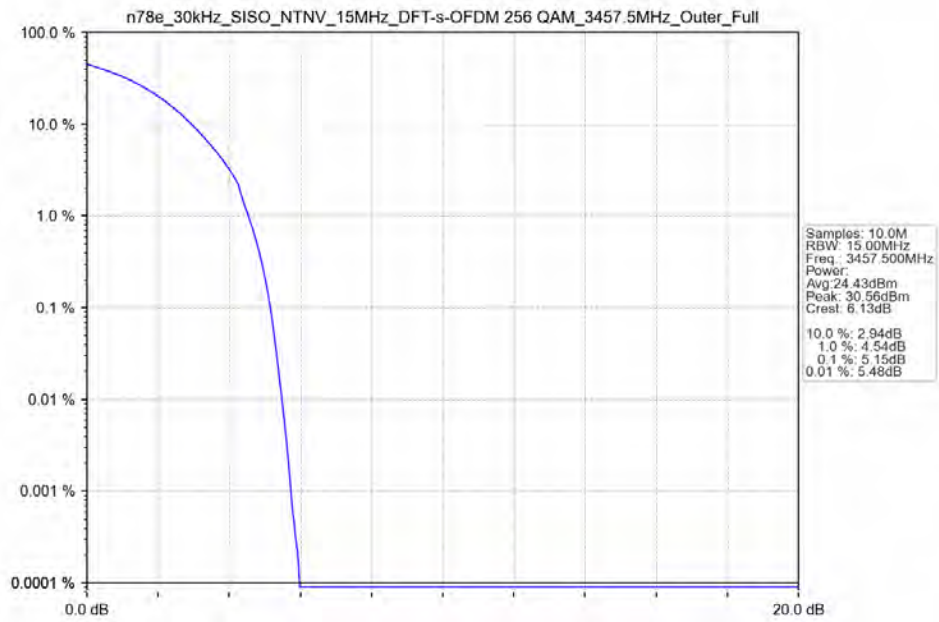
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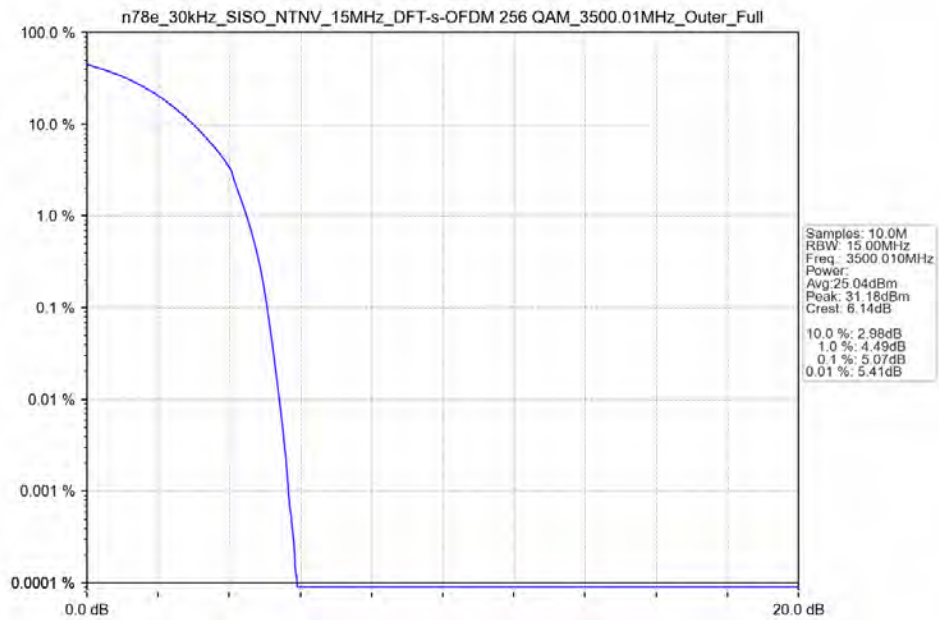
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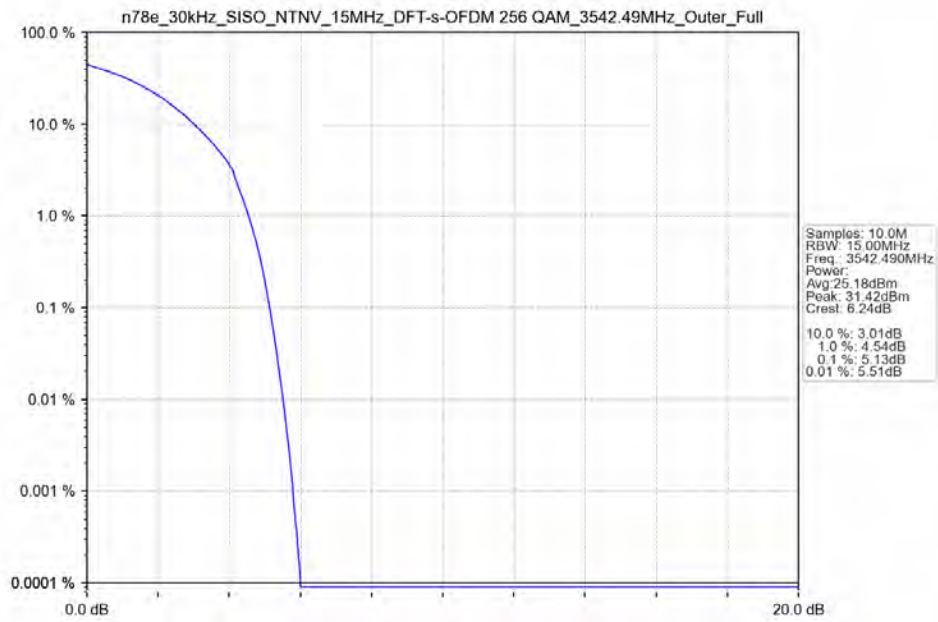
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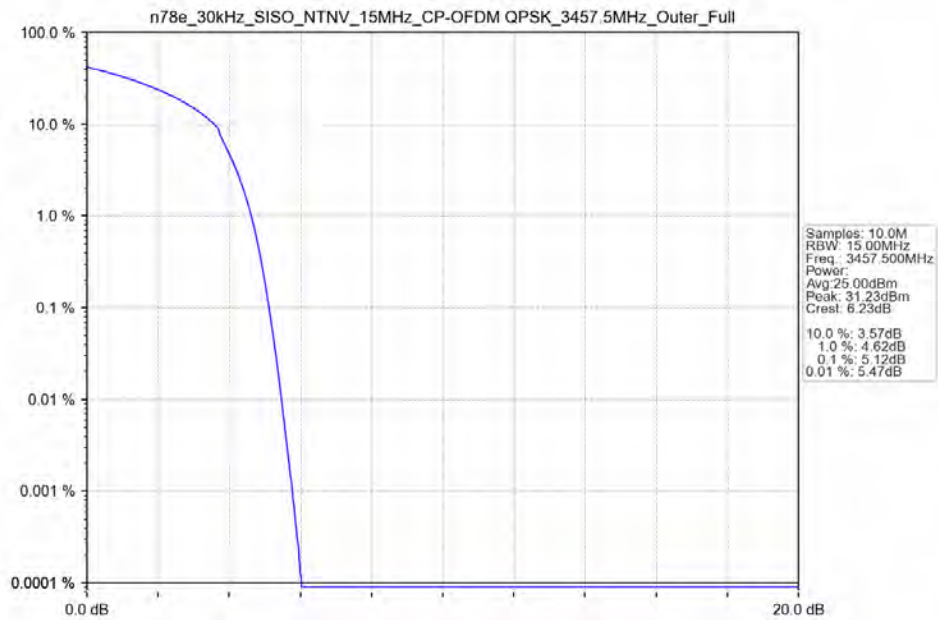
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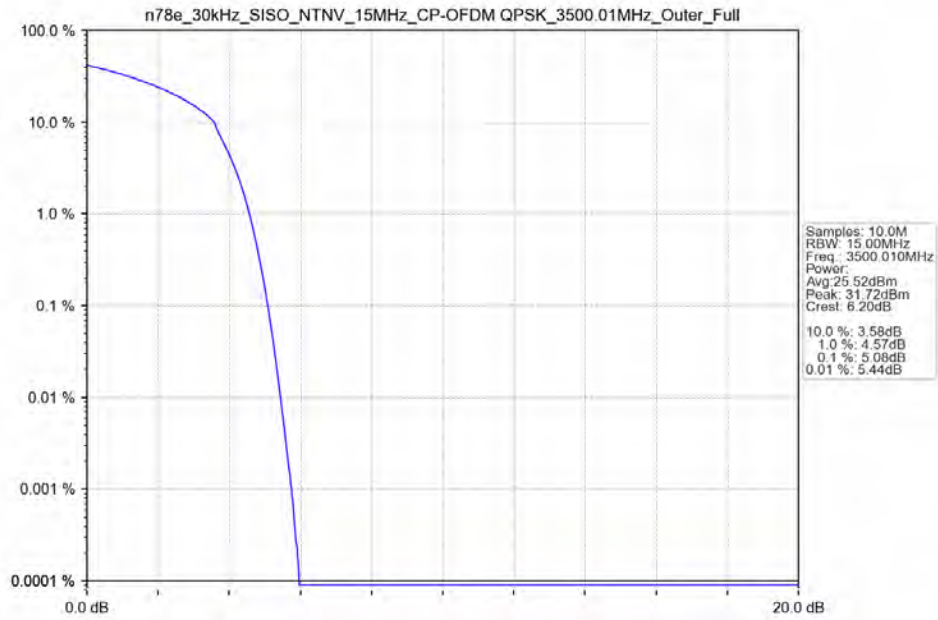
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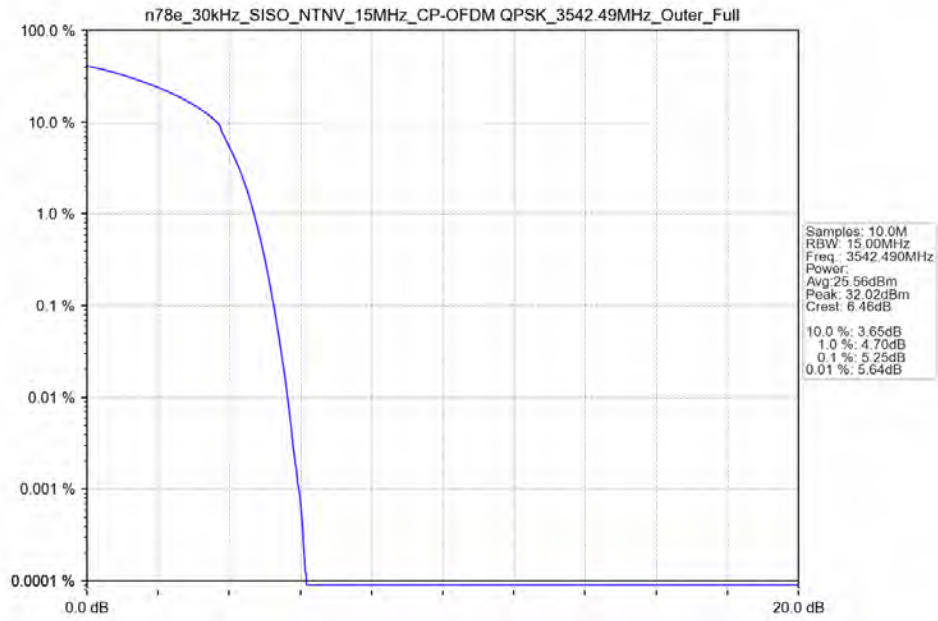
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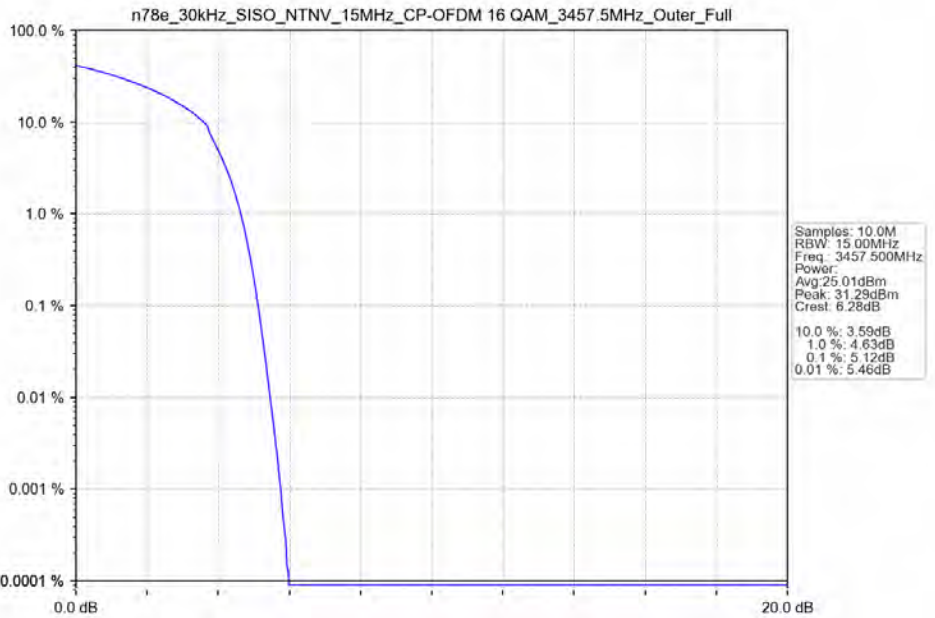
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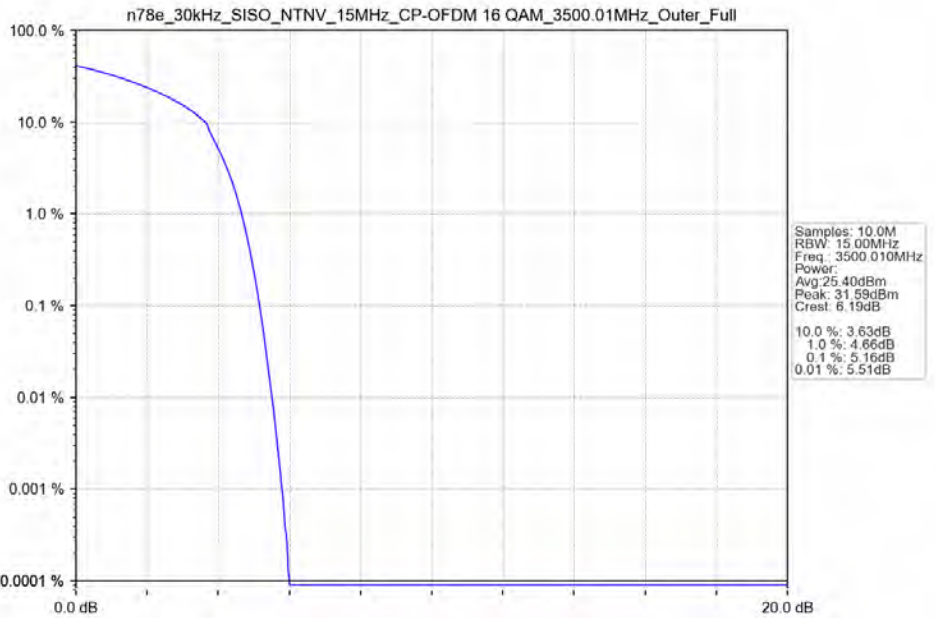
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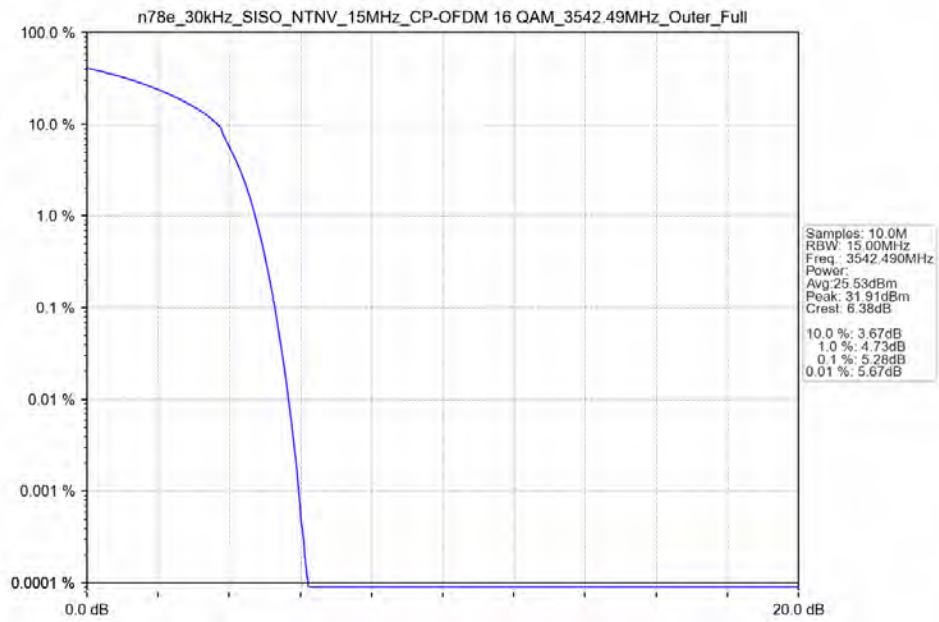
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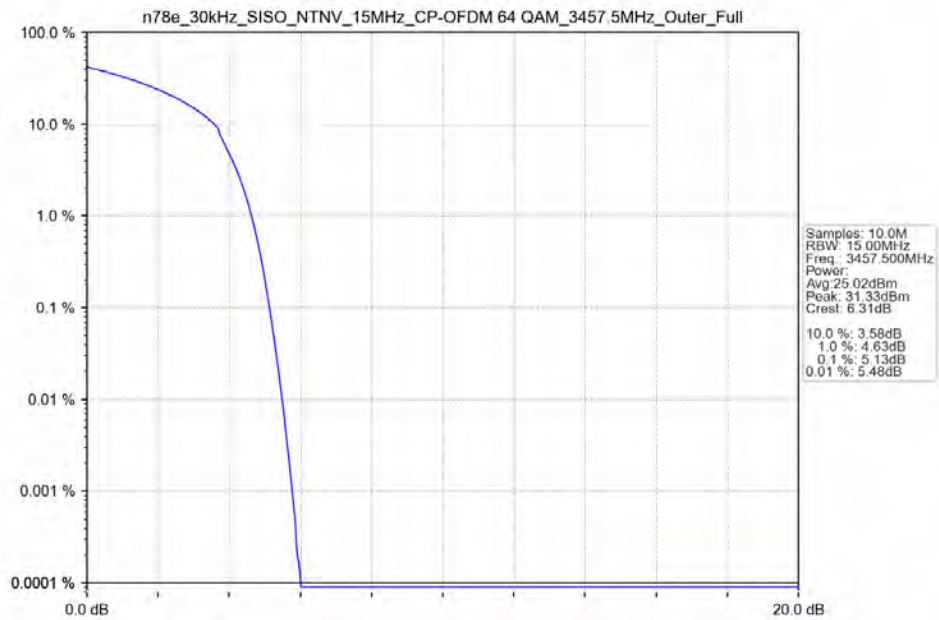
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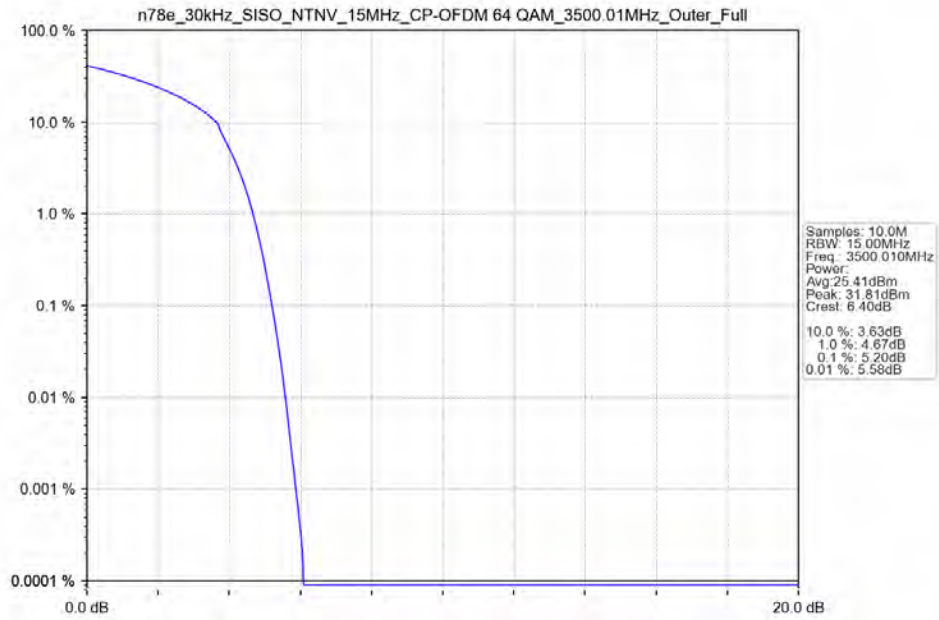
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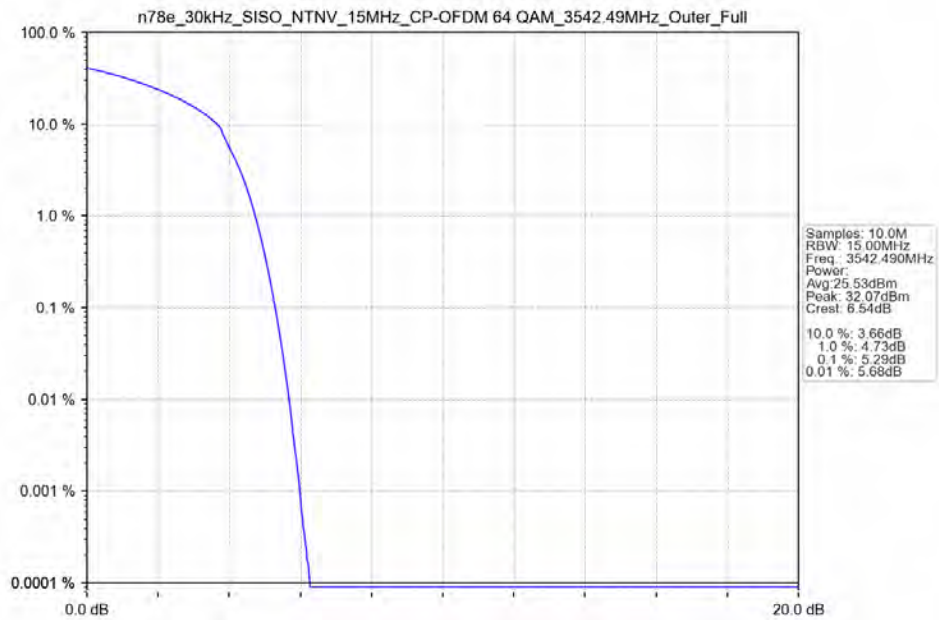
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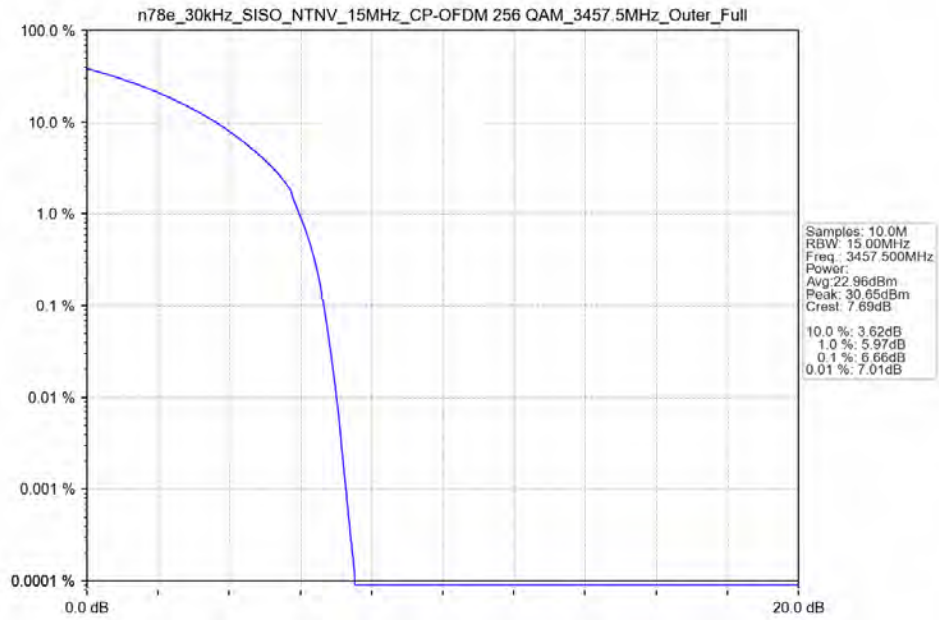
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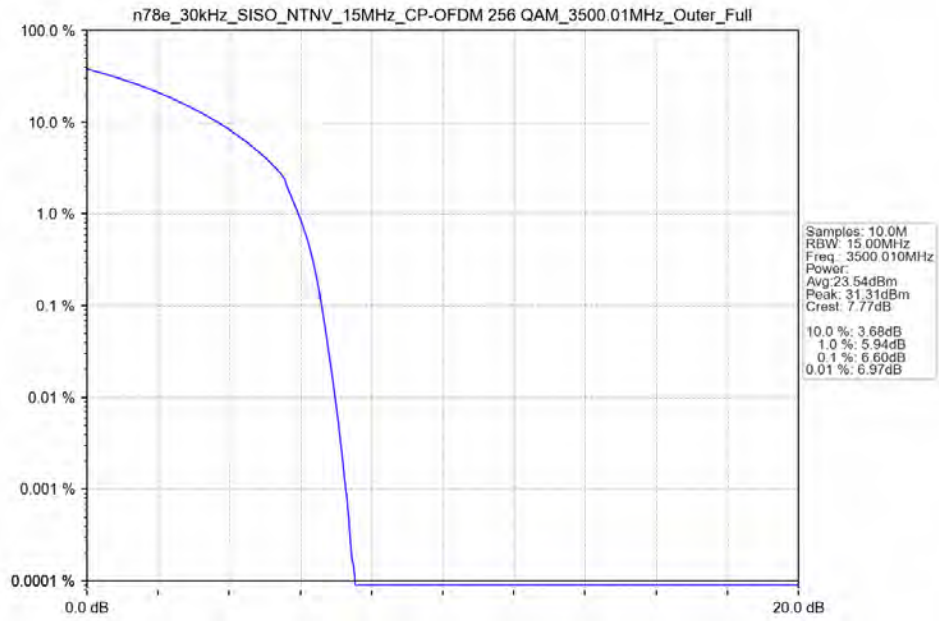
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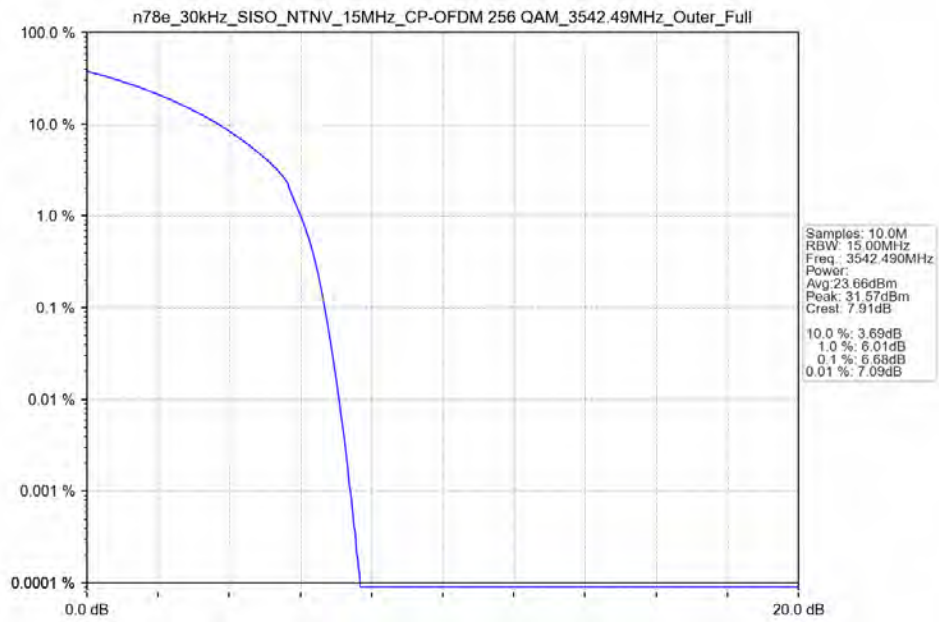
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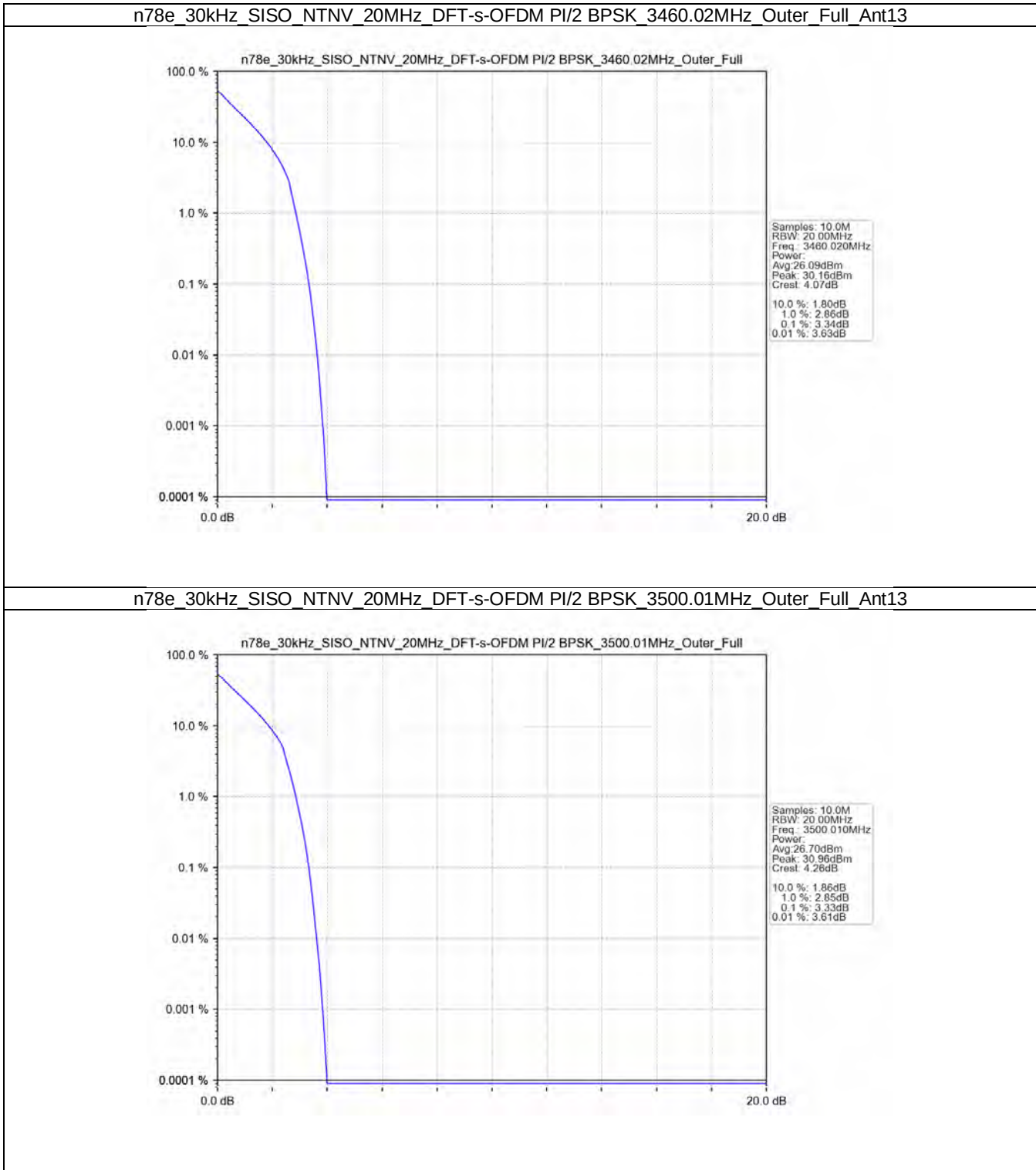
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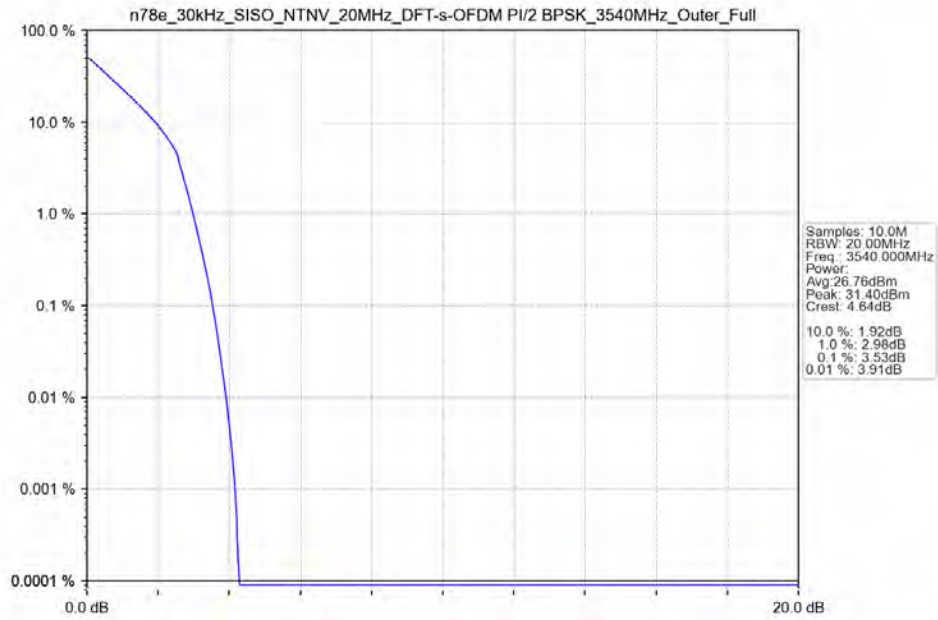
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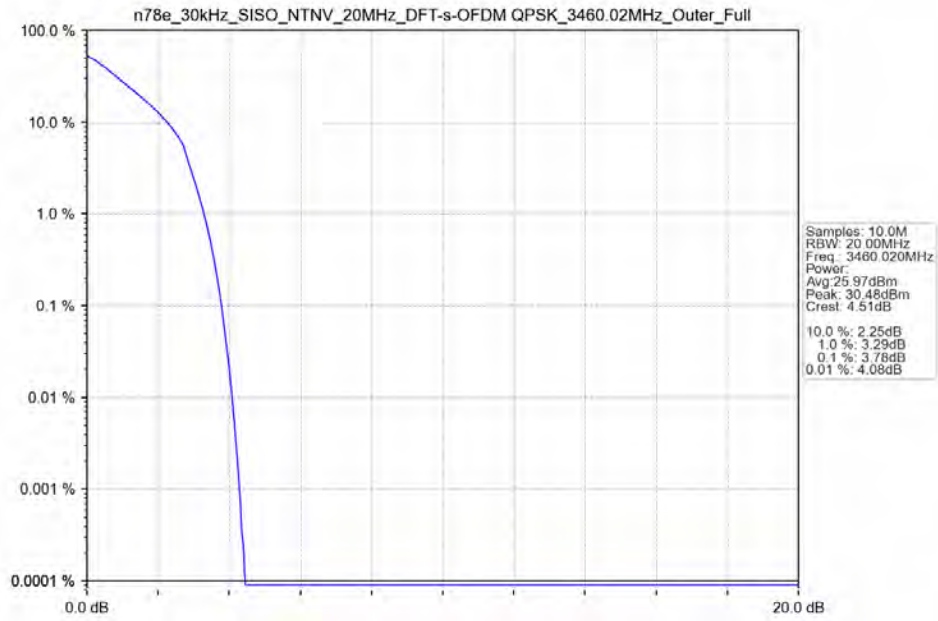
4.2.3 30k_SISO_20MHz_NTNV



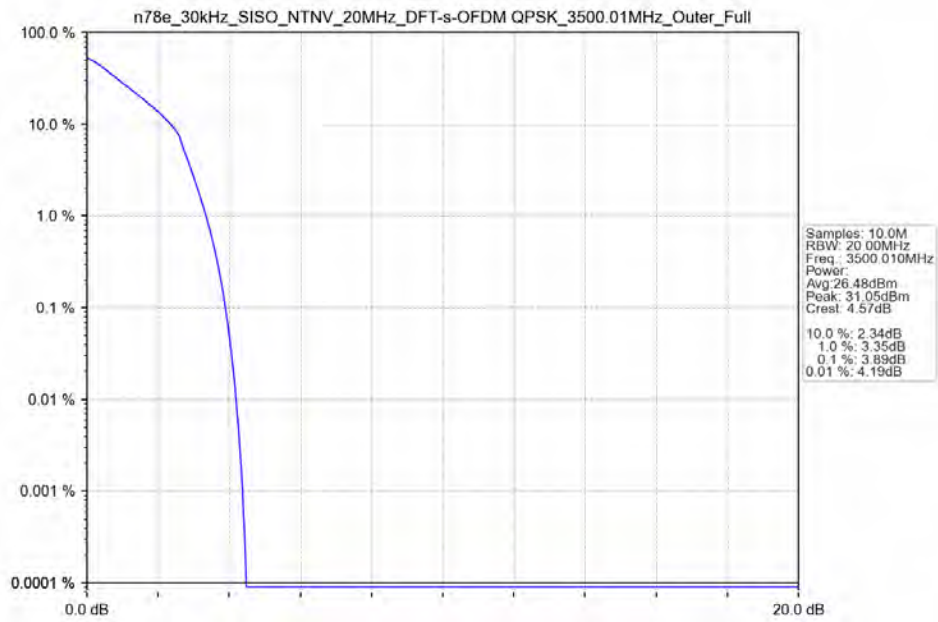
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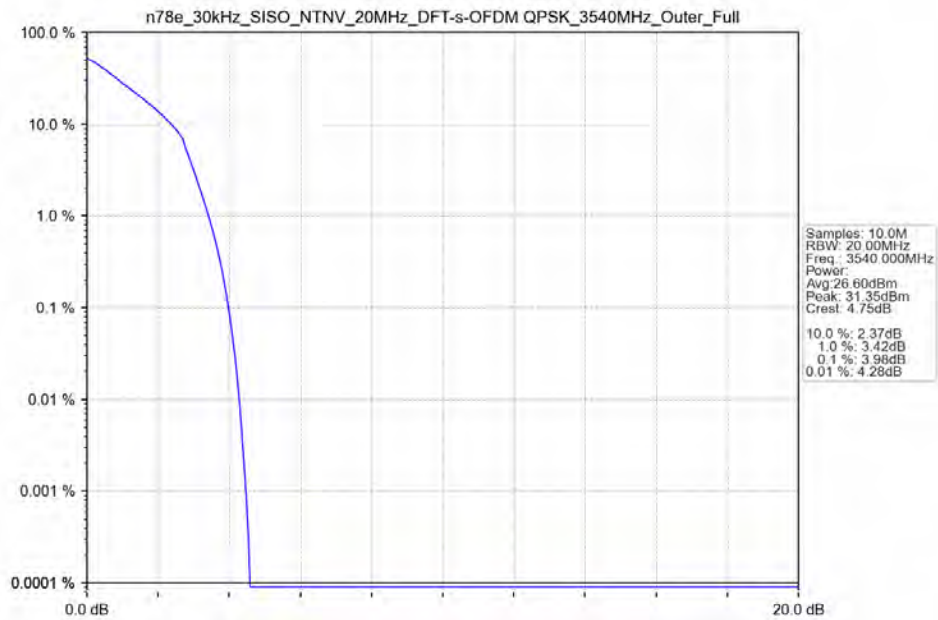
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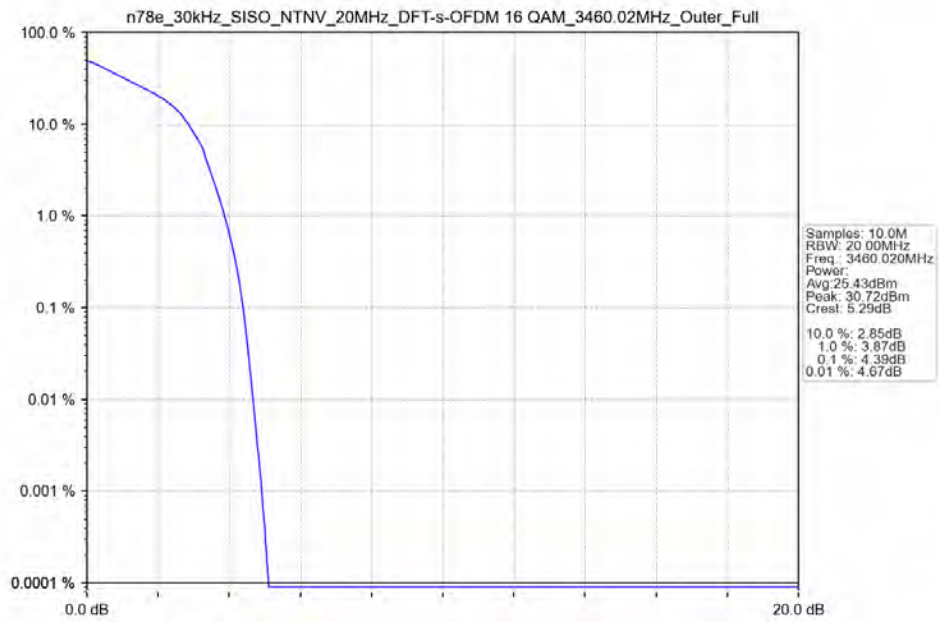
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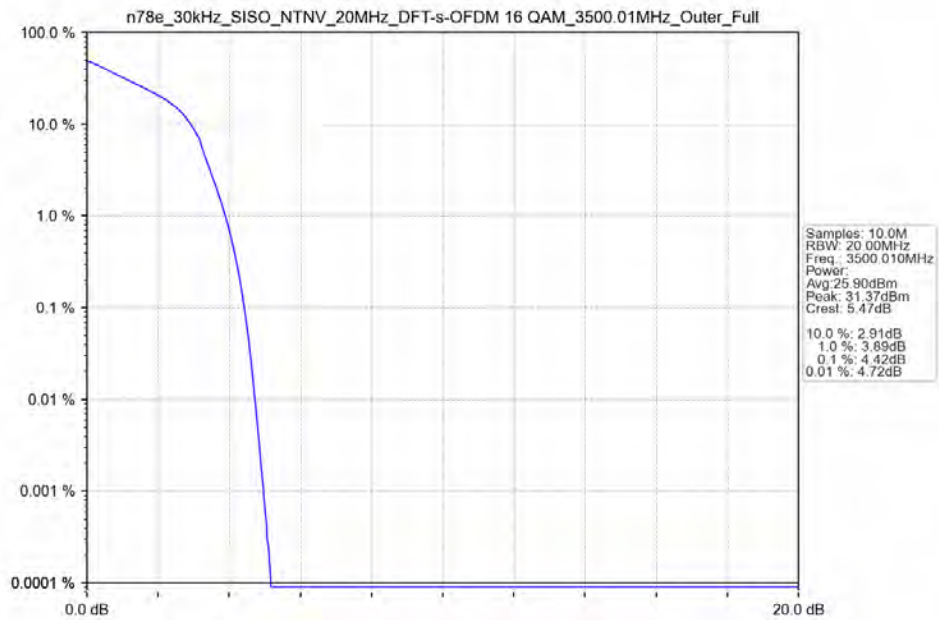
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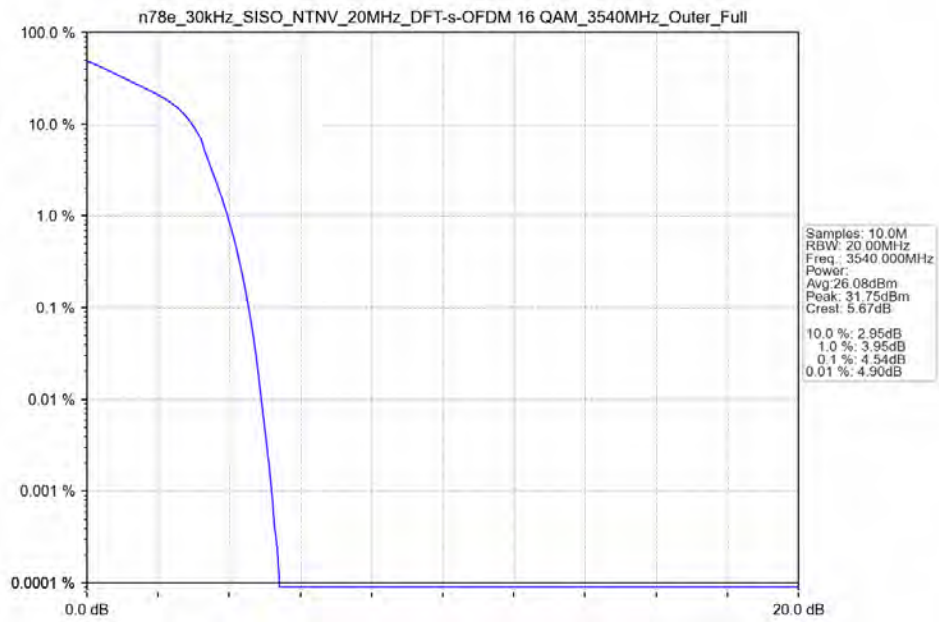
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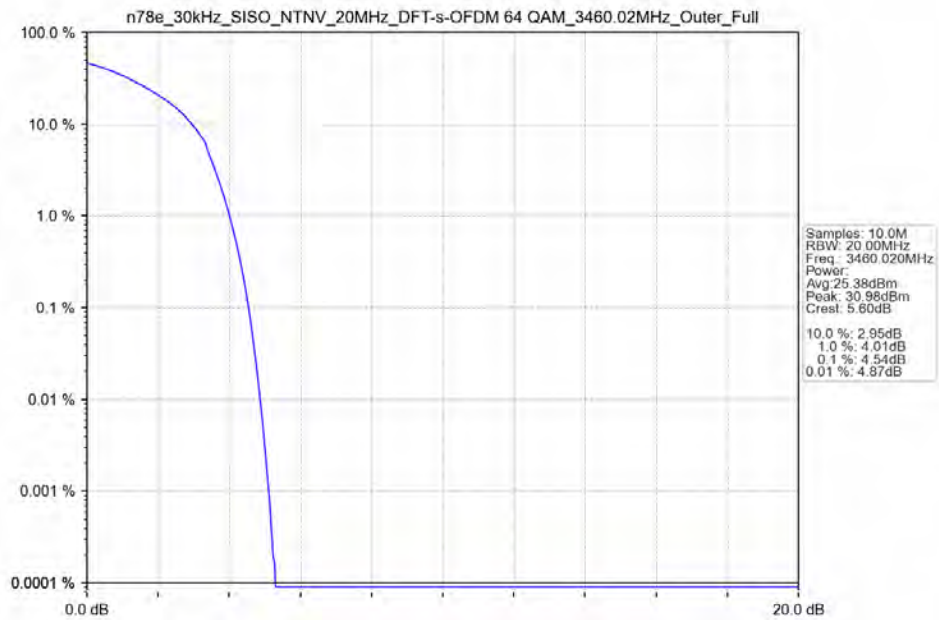
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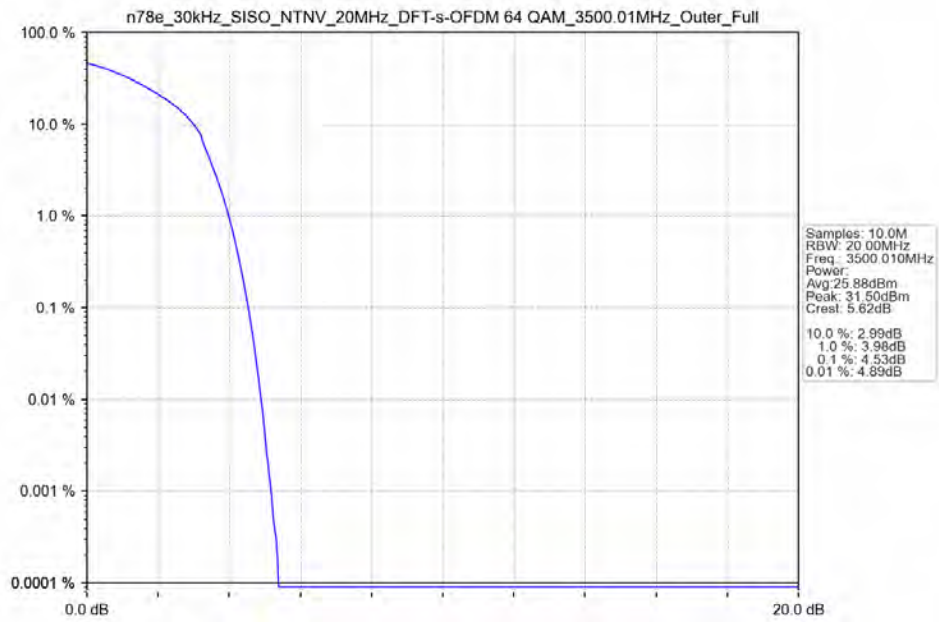
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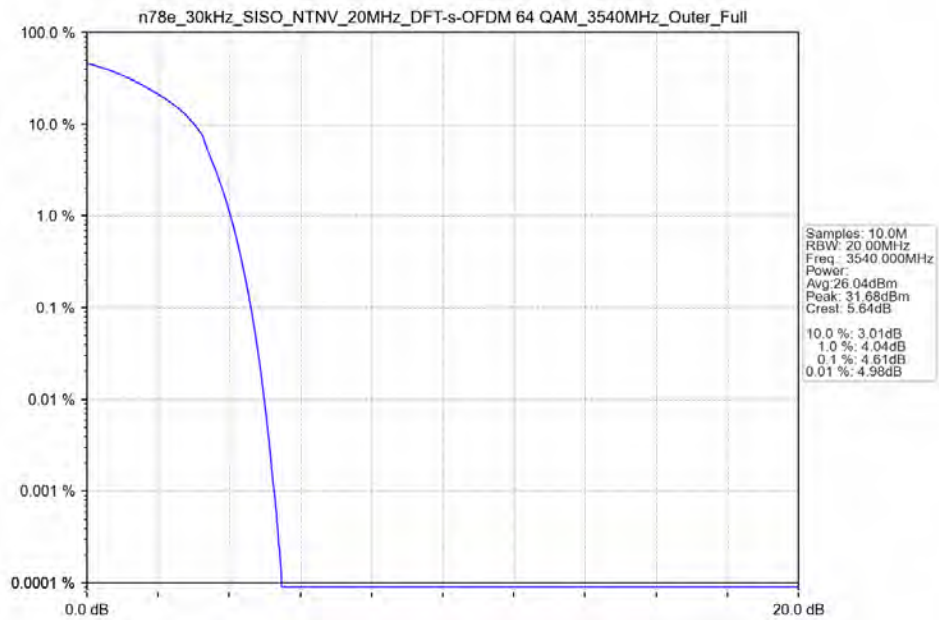
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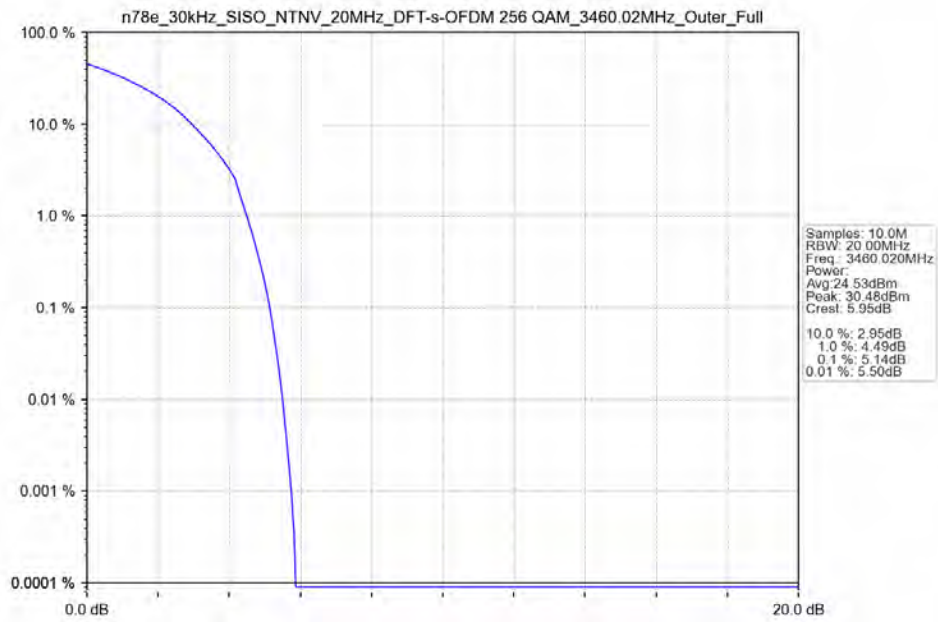
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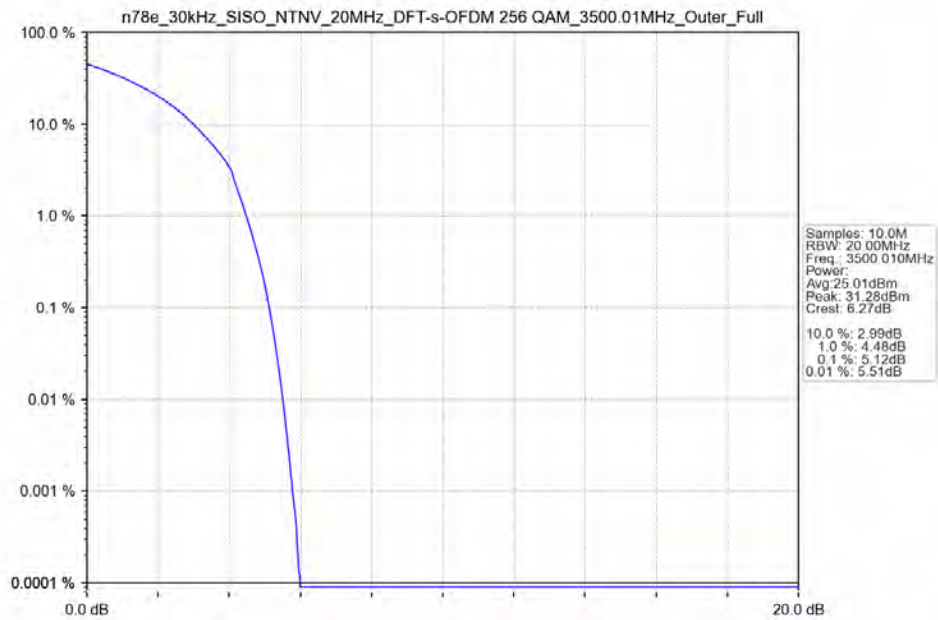
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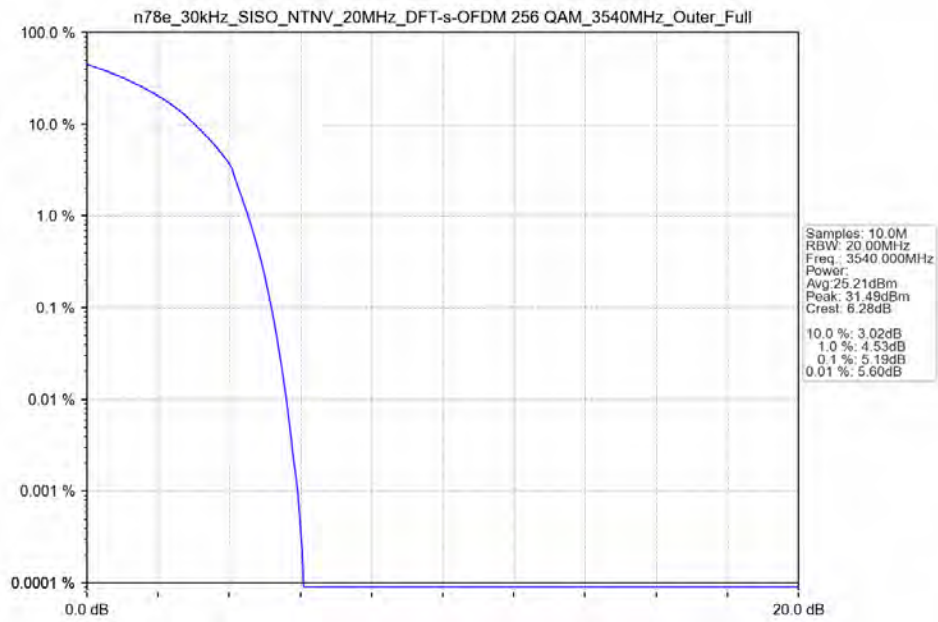
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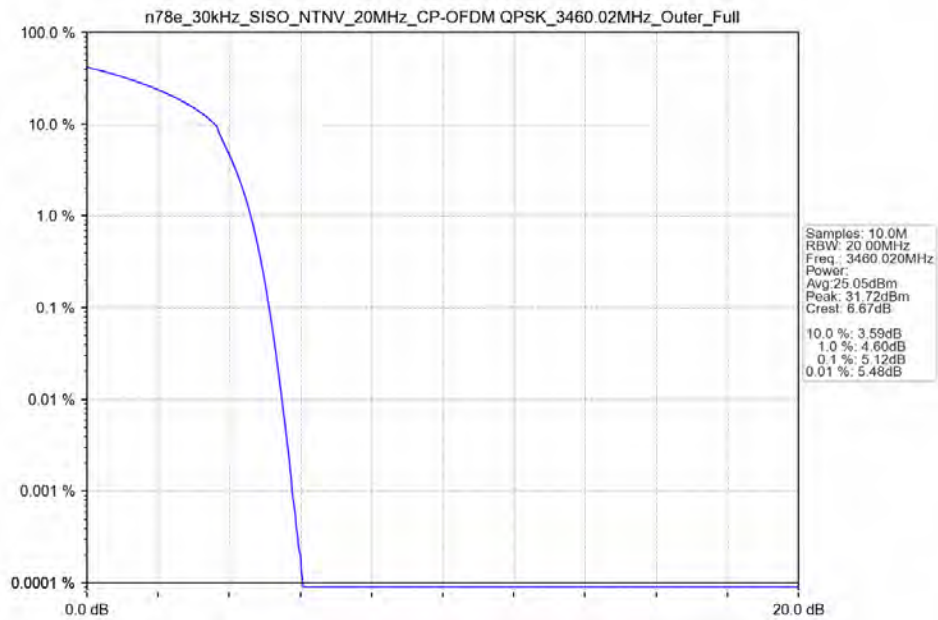
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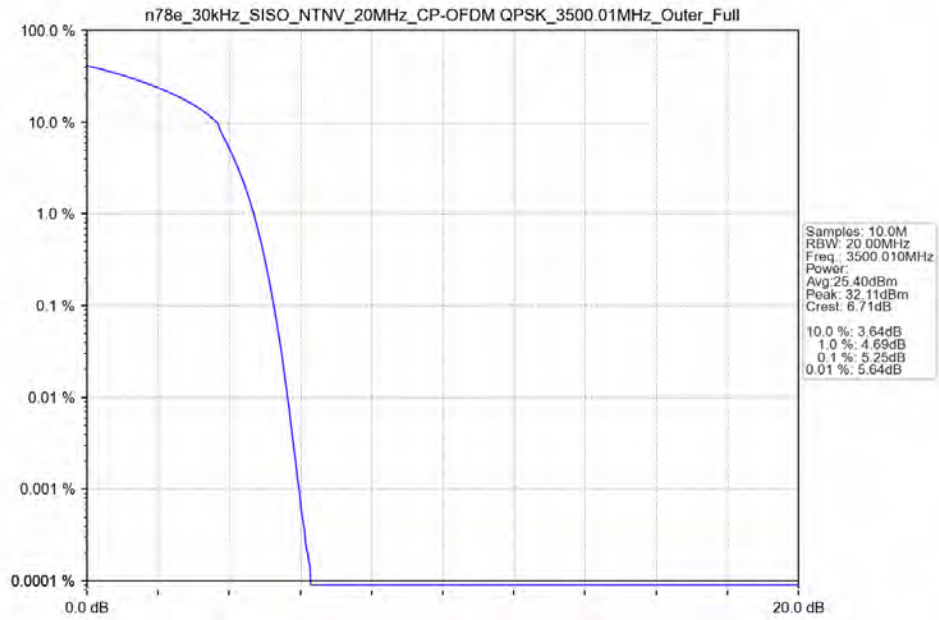
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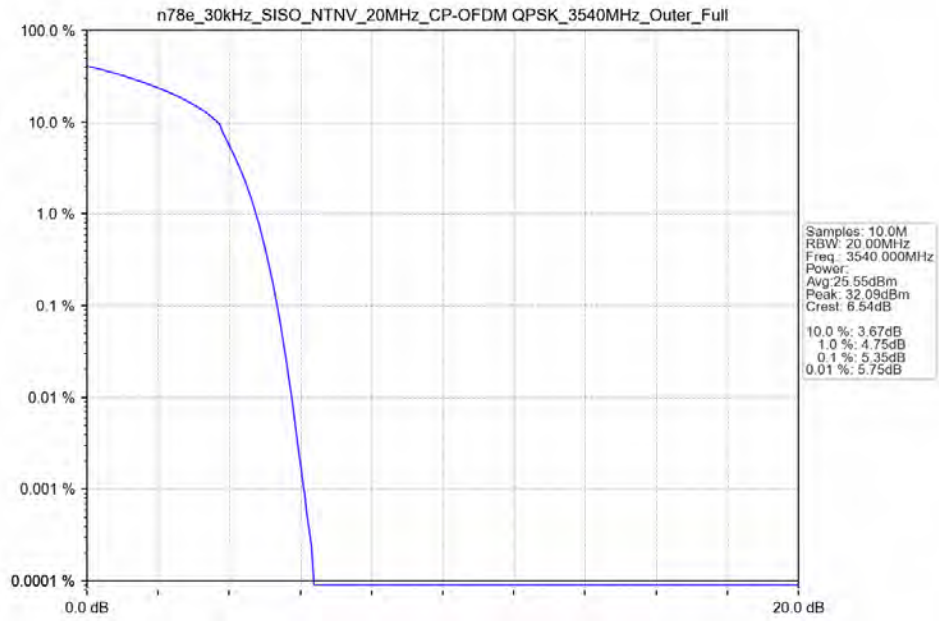
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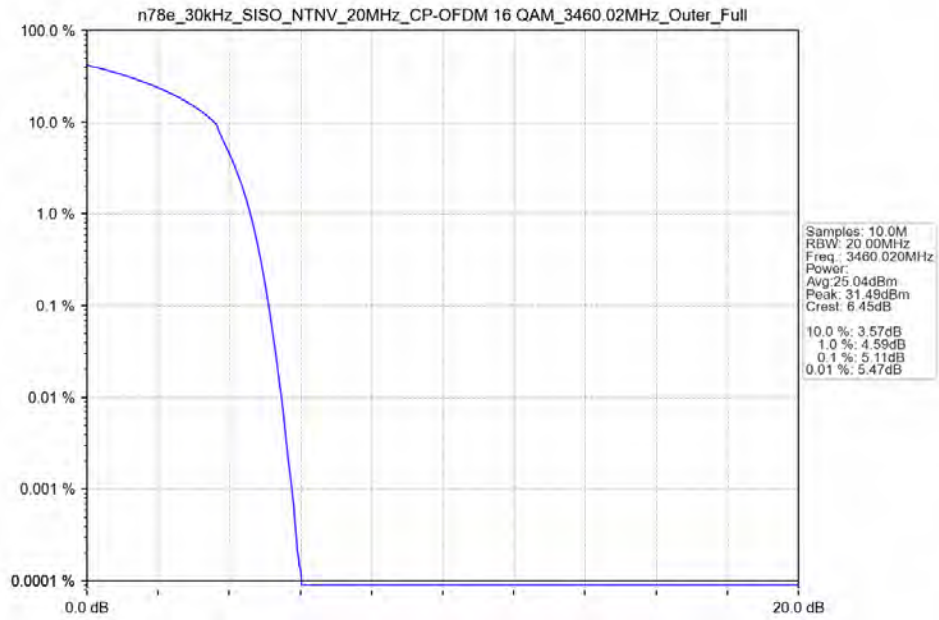
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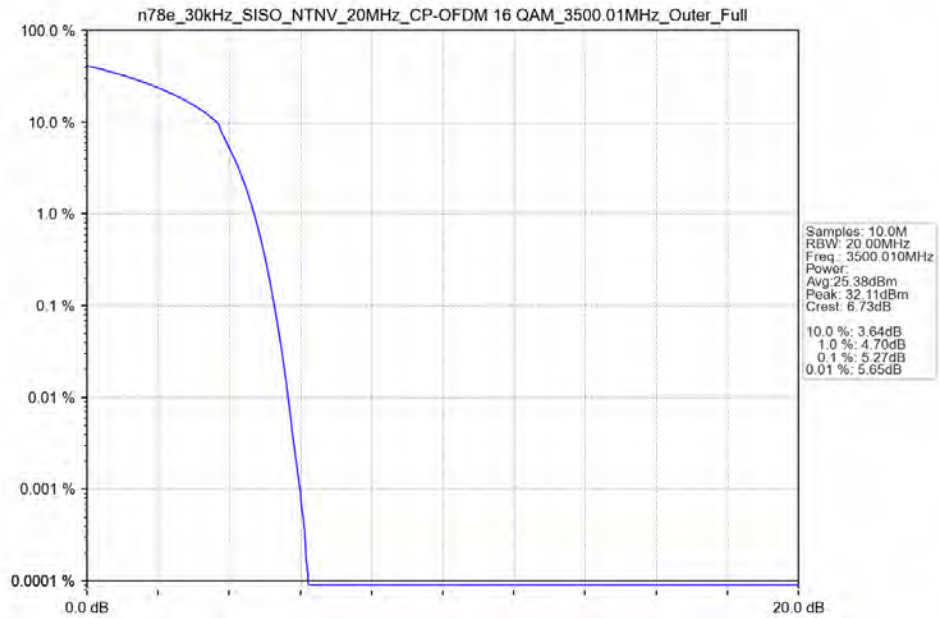
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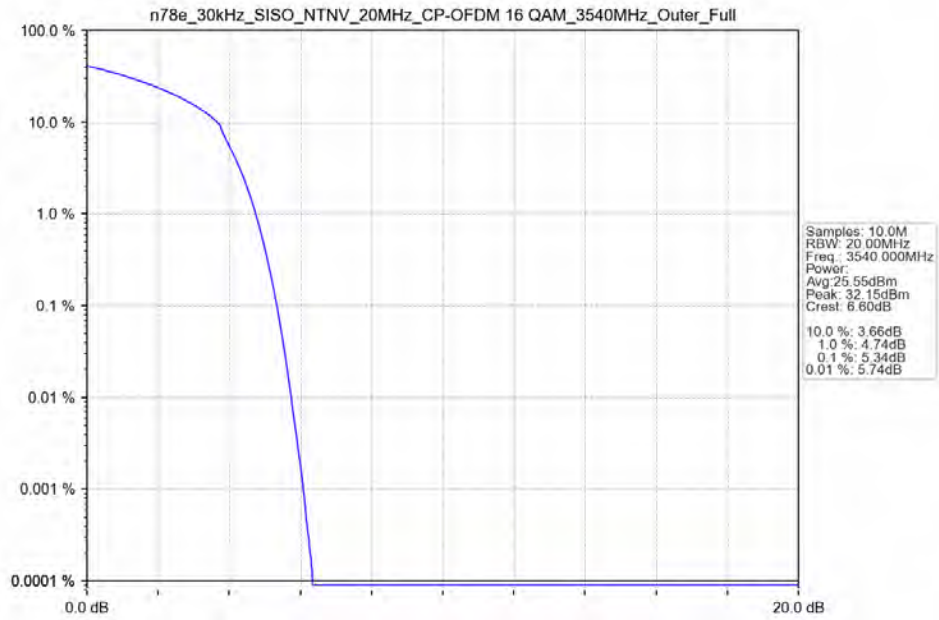
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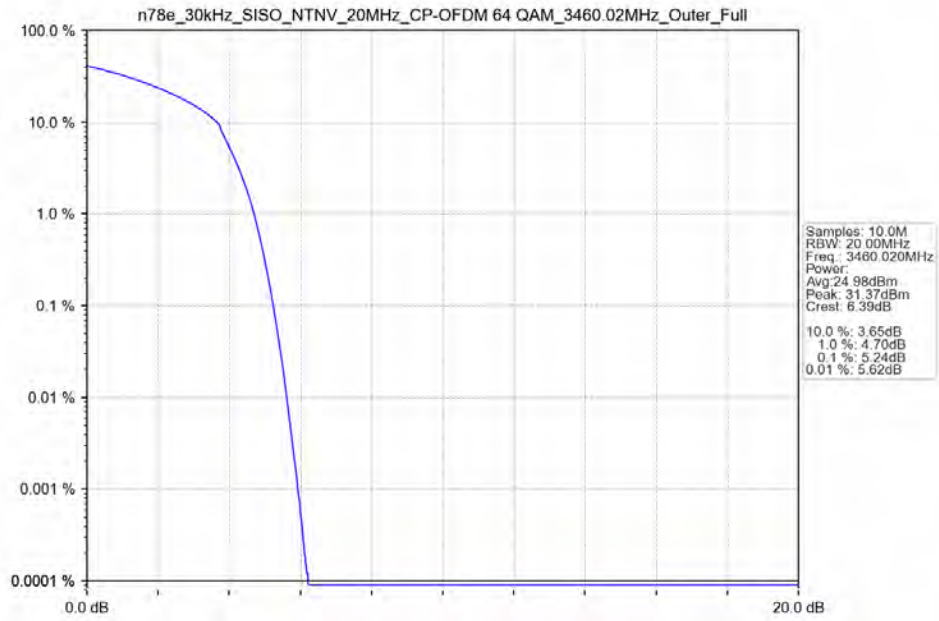
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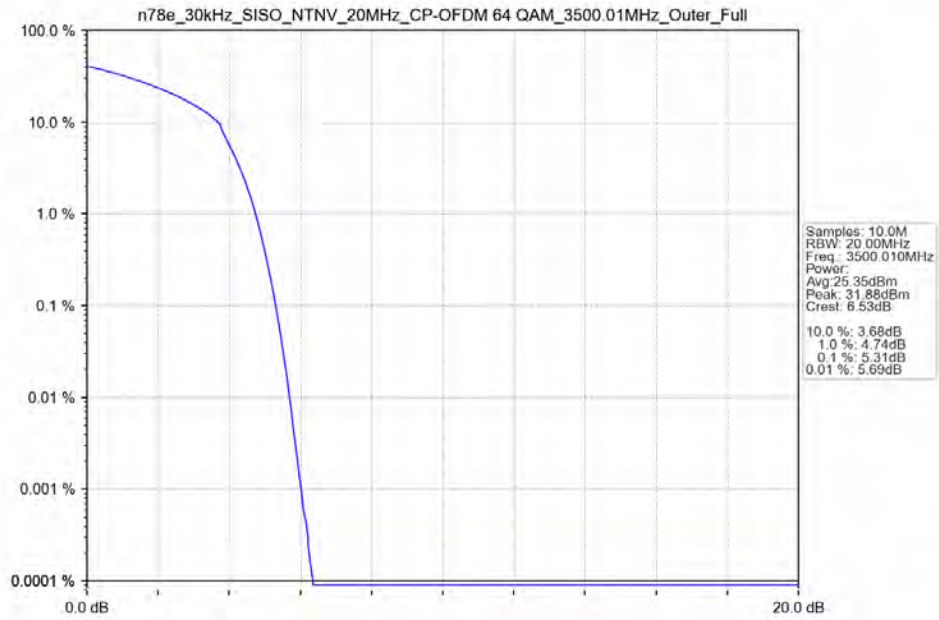
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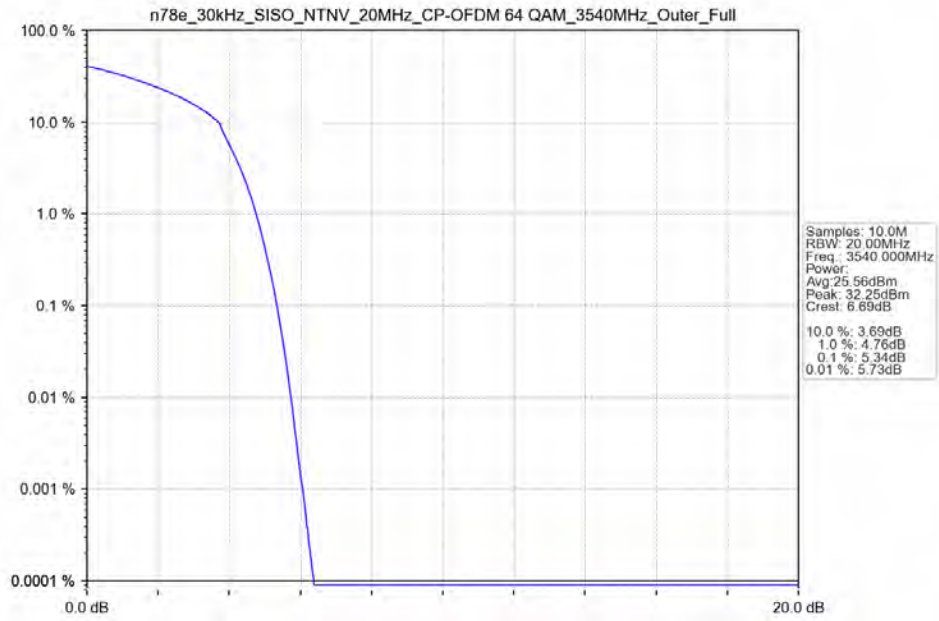
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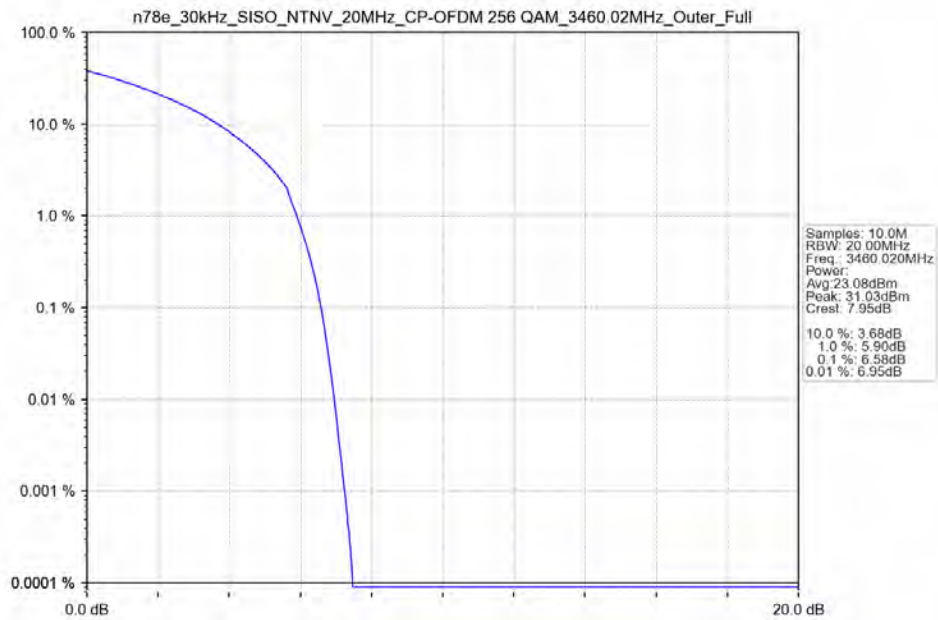
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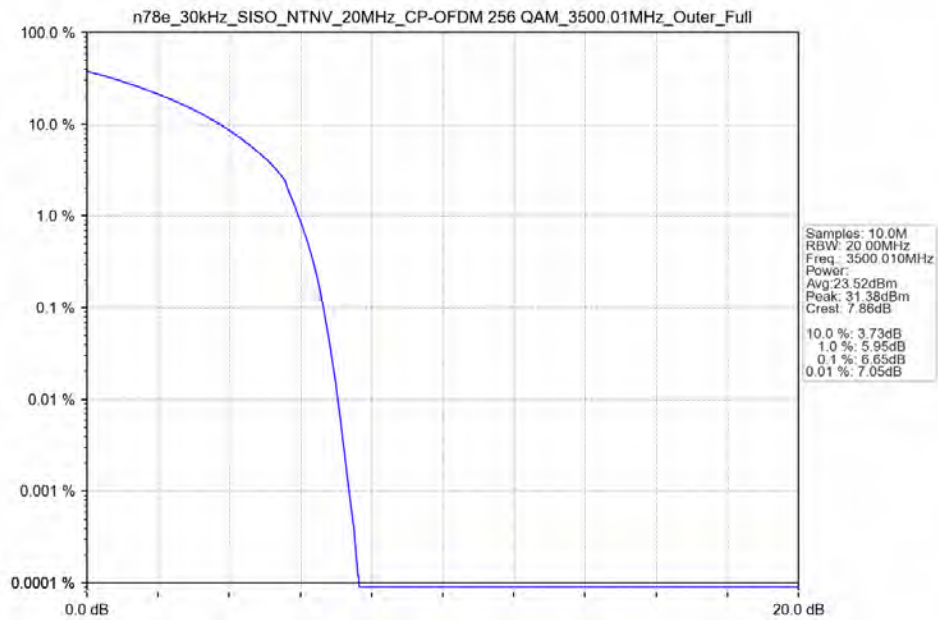
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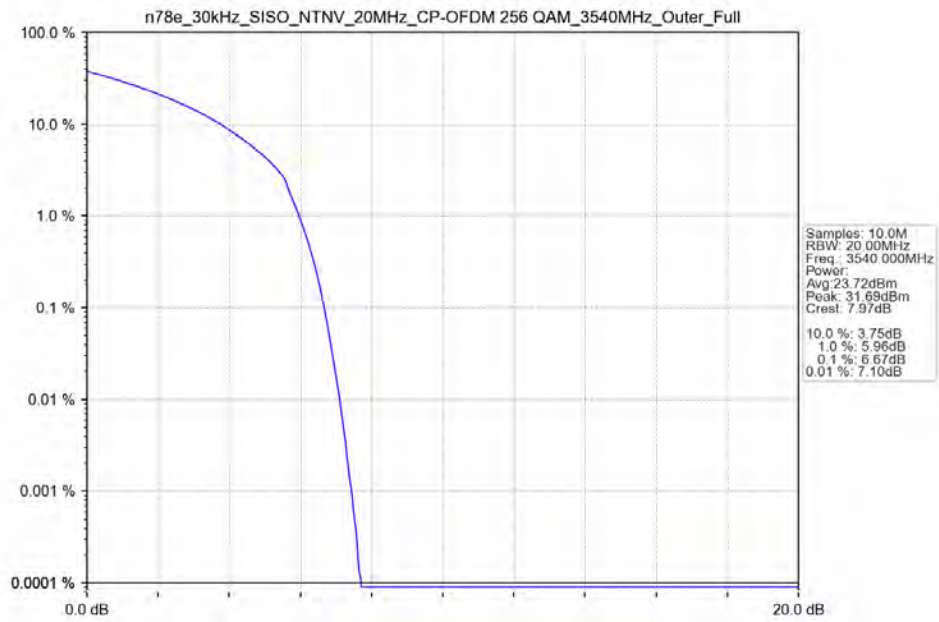
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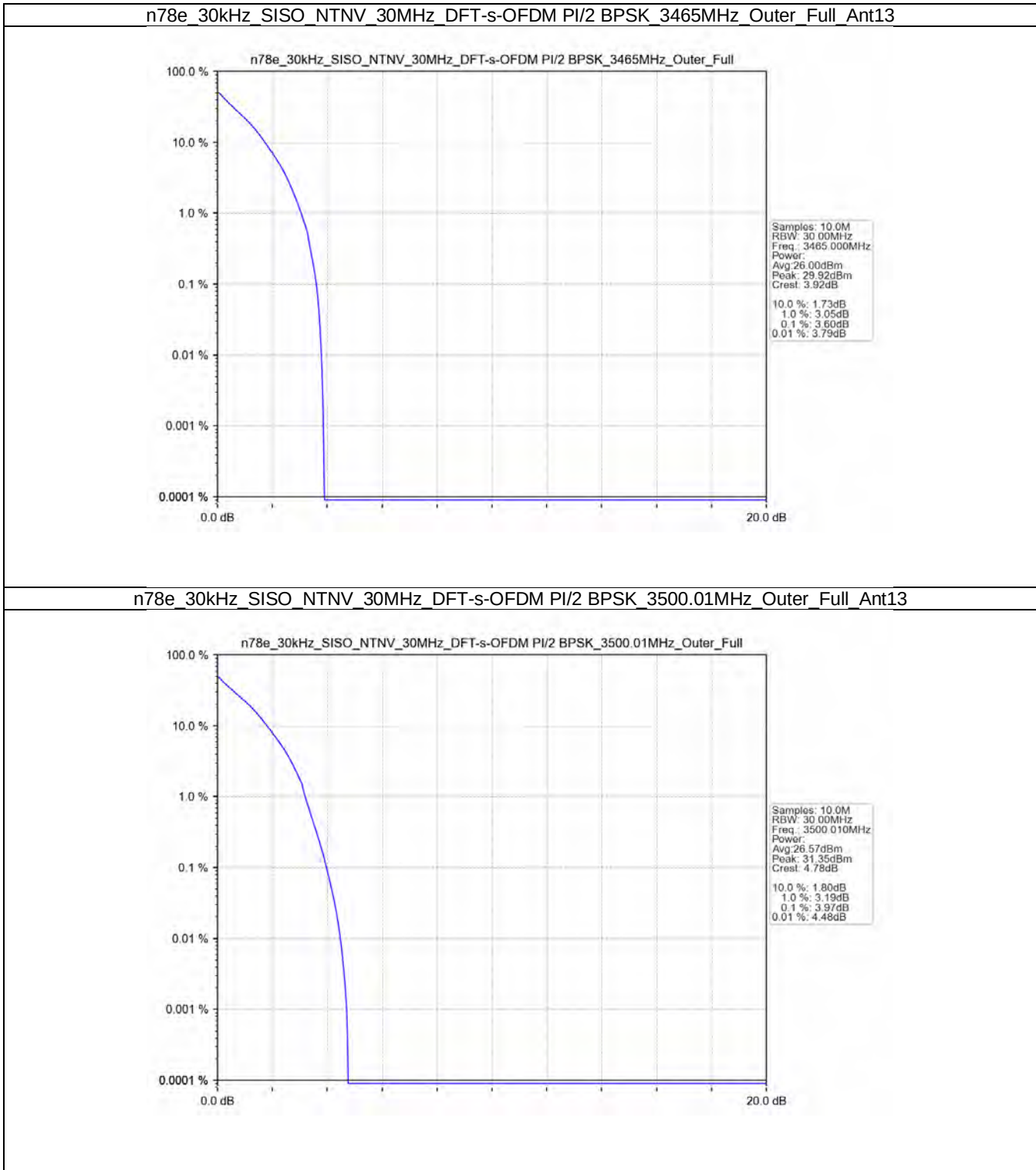
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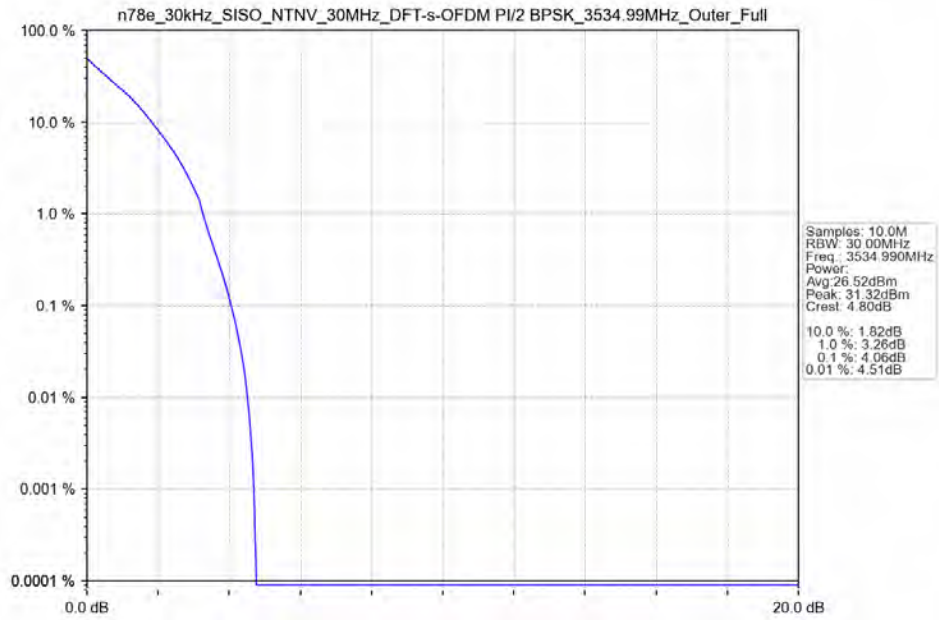
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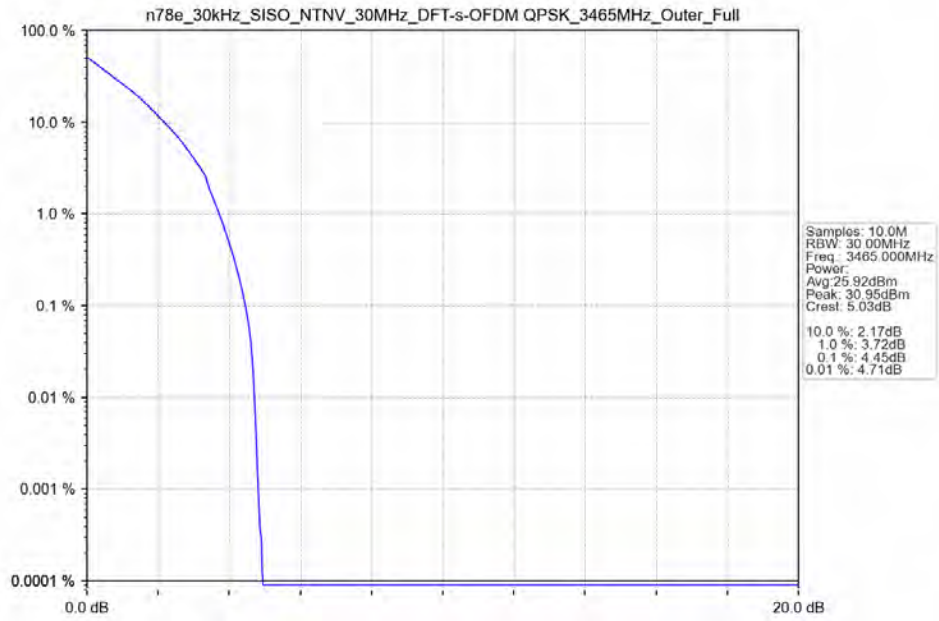
4.2.4 30k_SISO_30MHz_NTNV



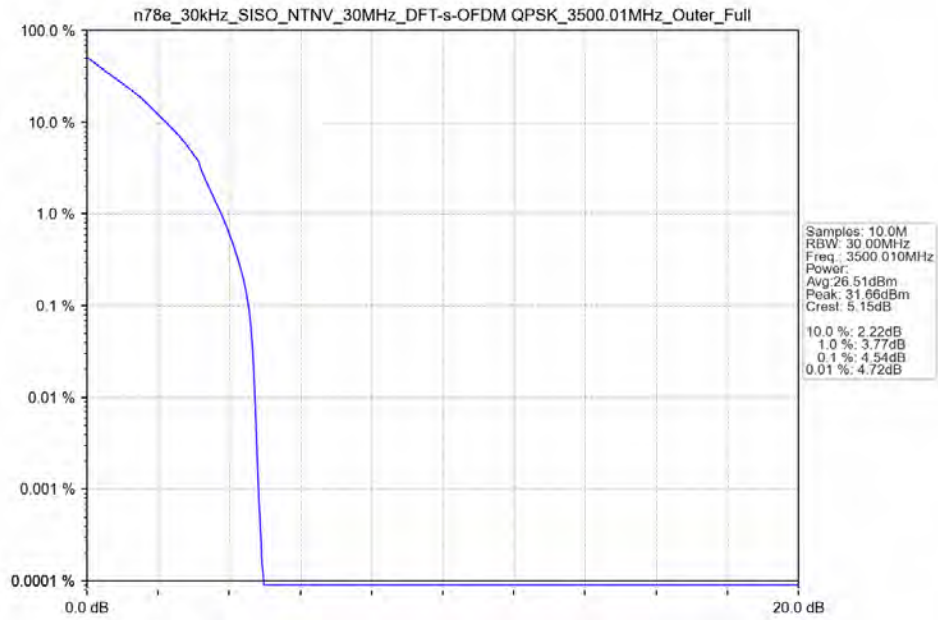
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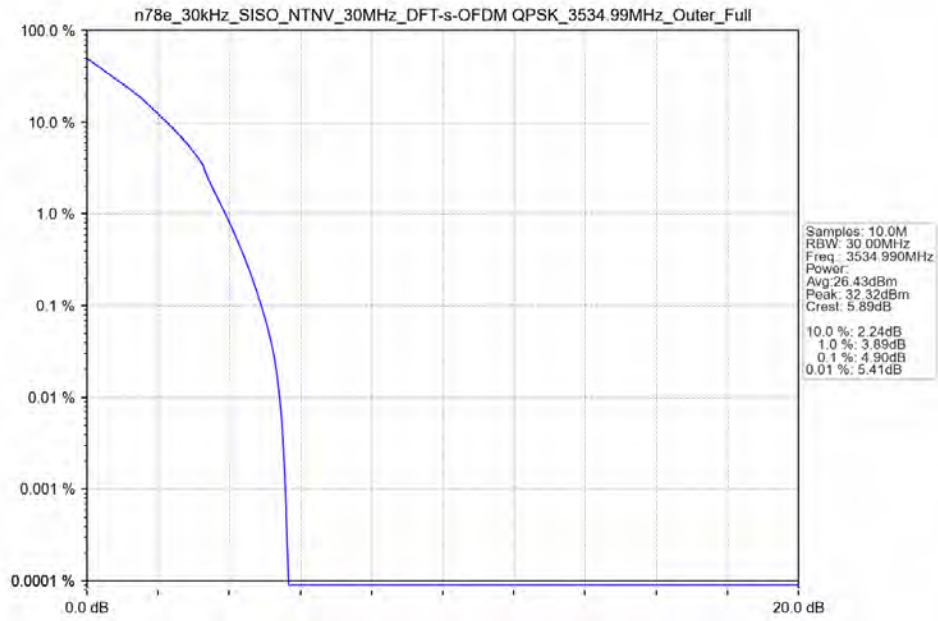
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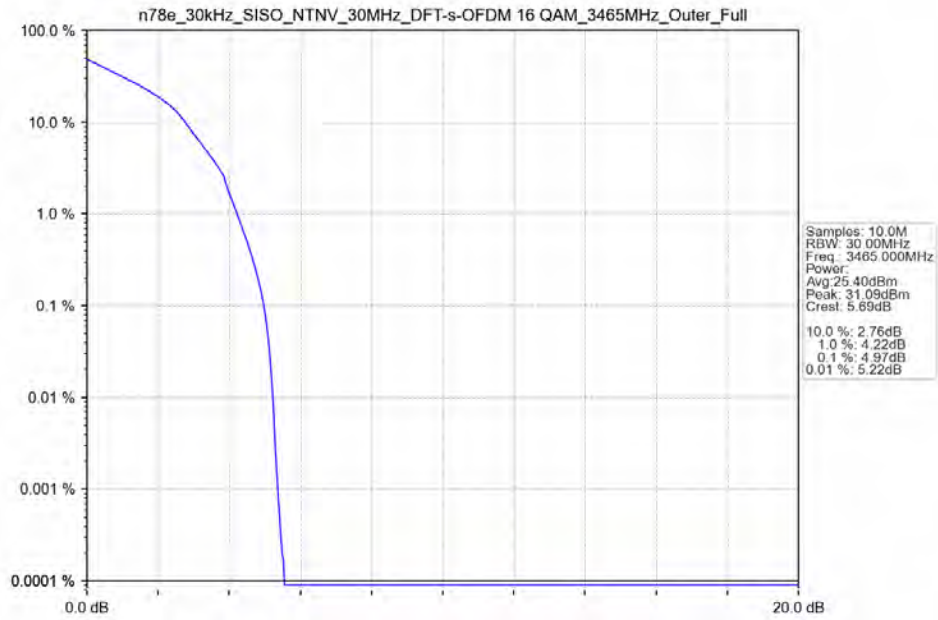
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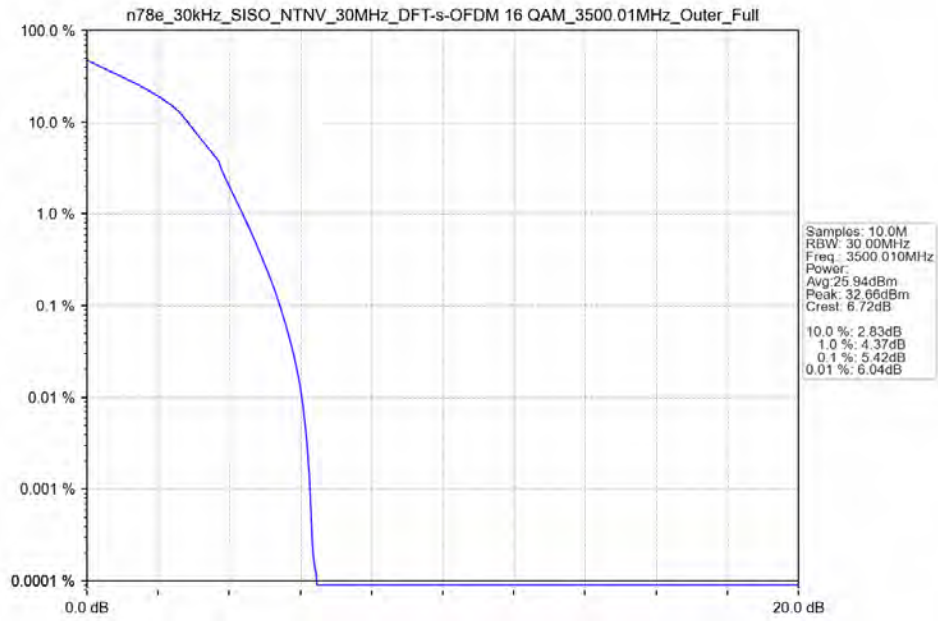
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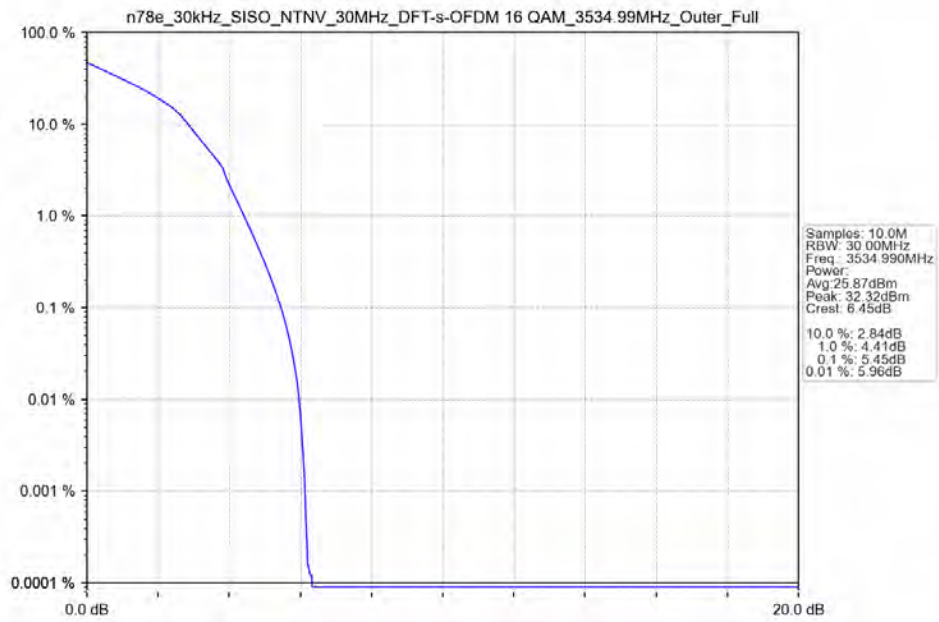
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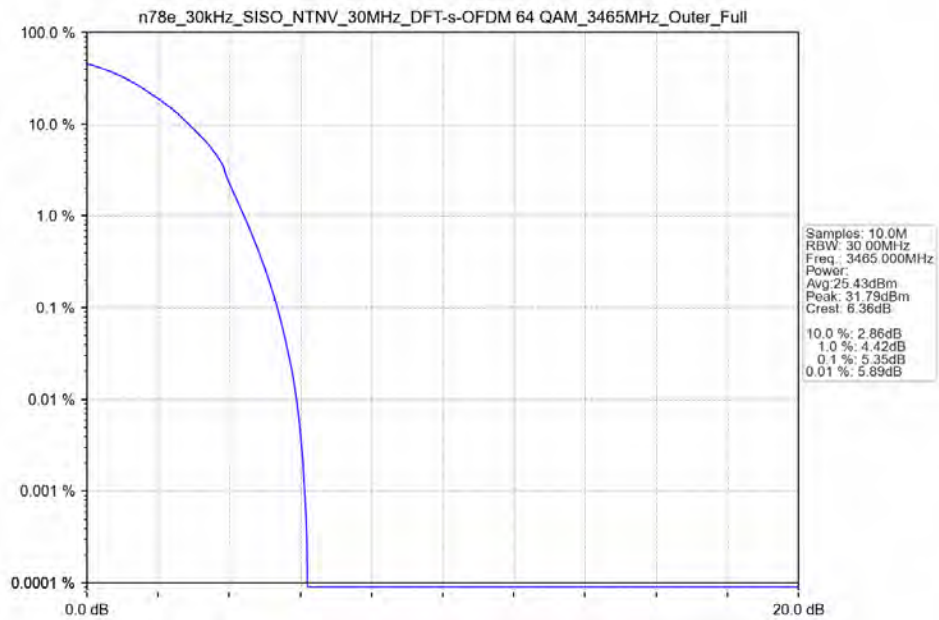
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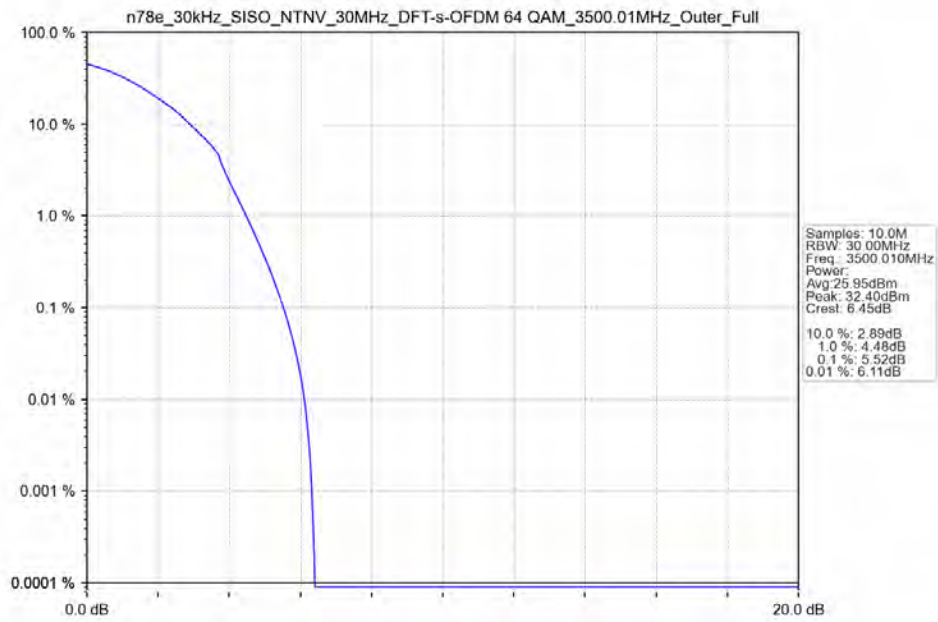
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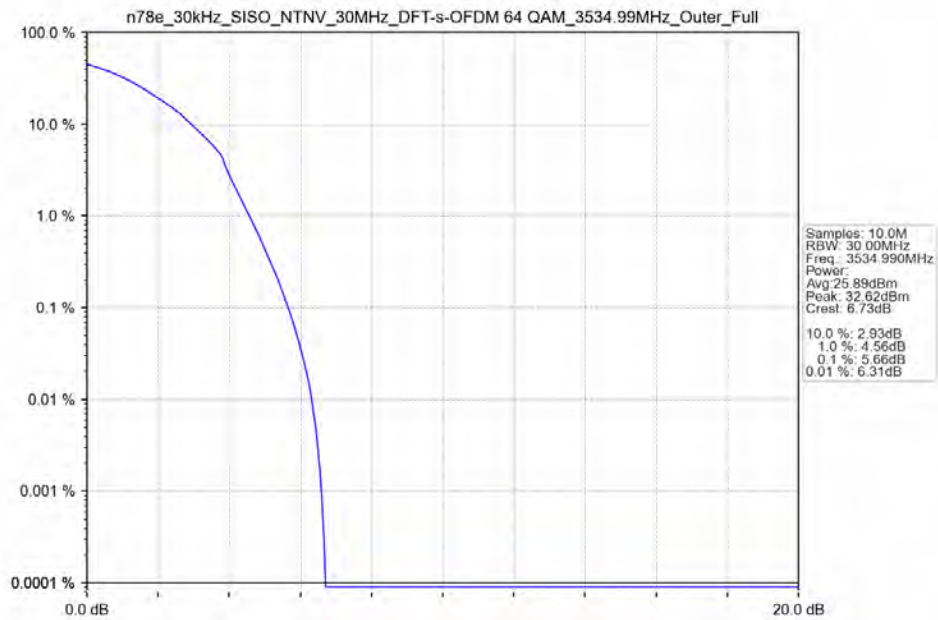
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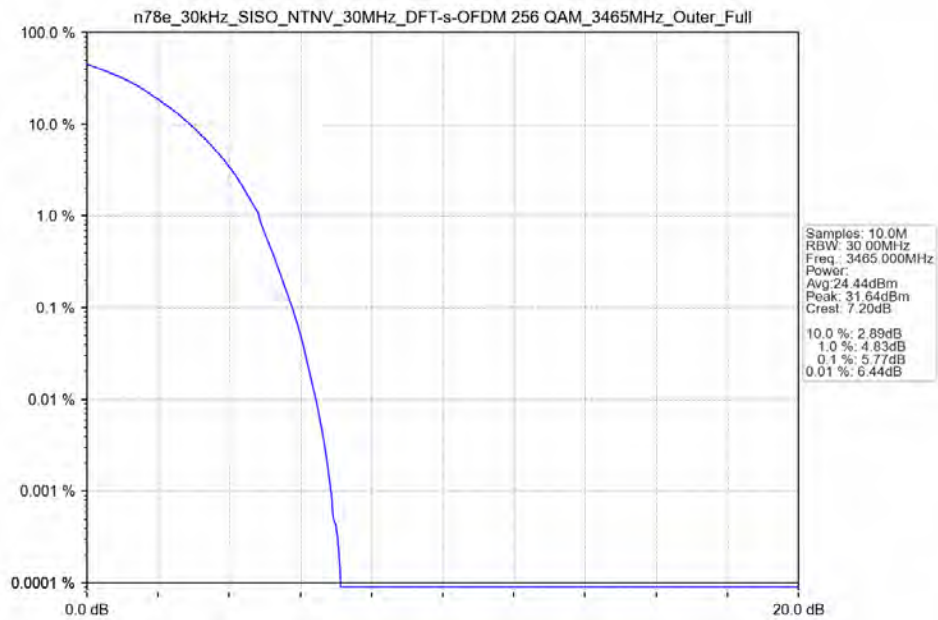
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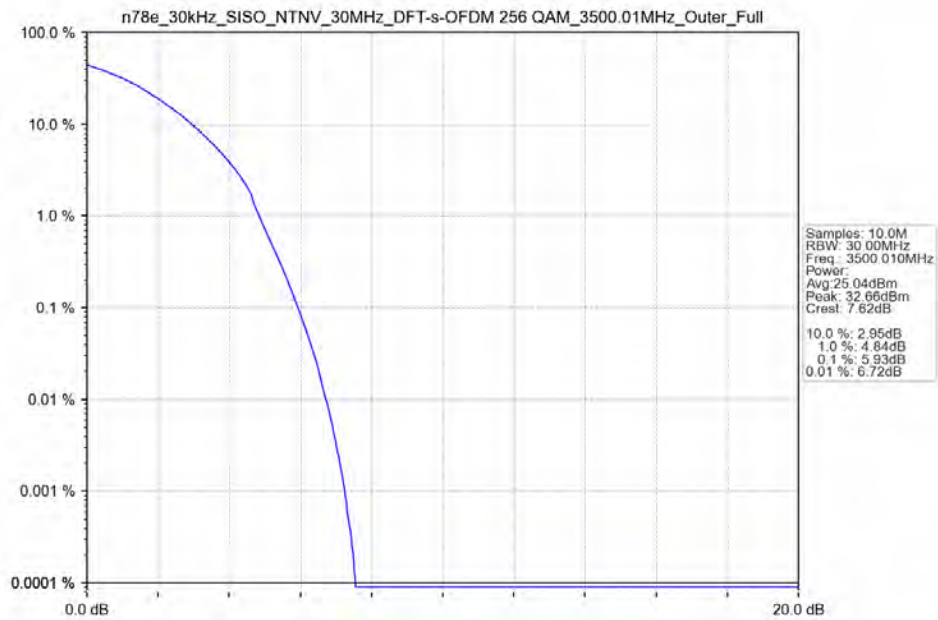
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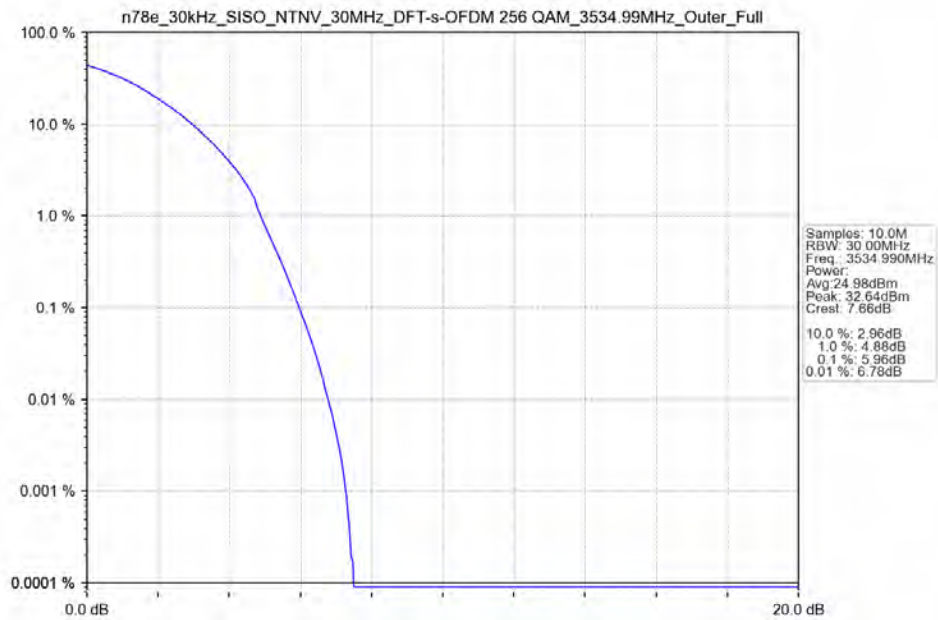
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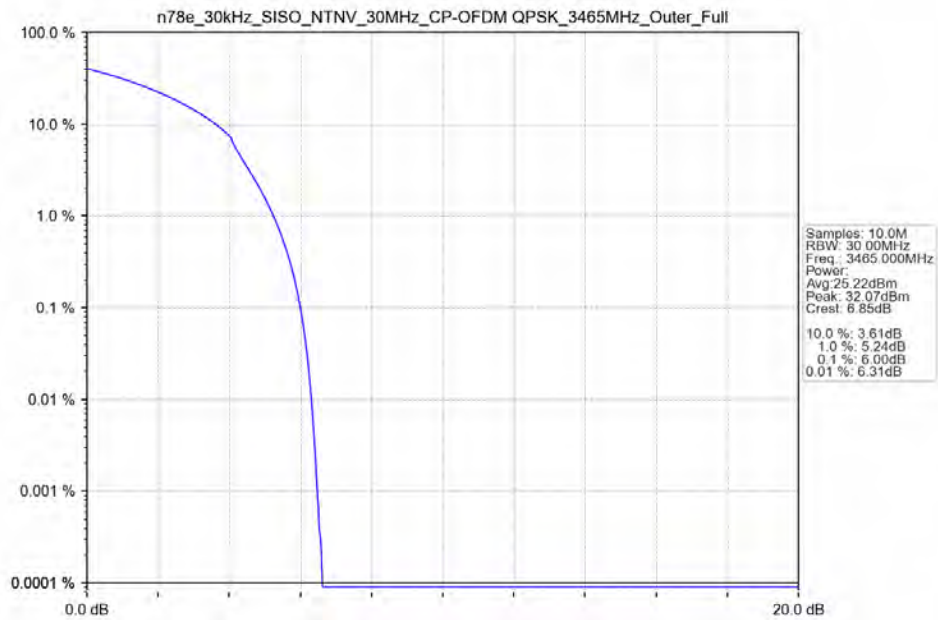
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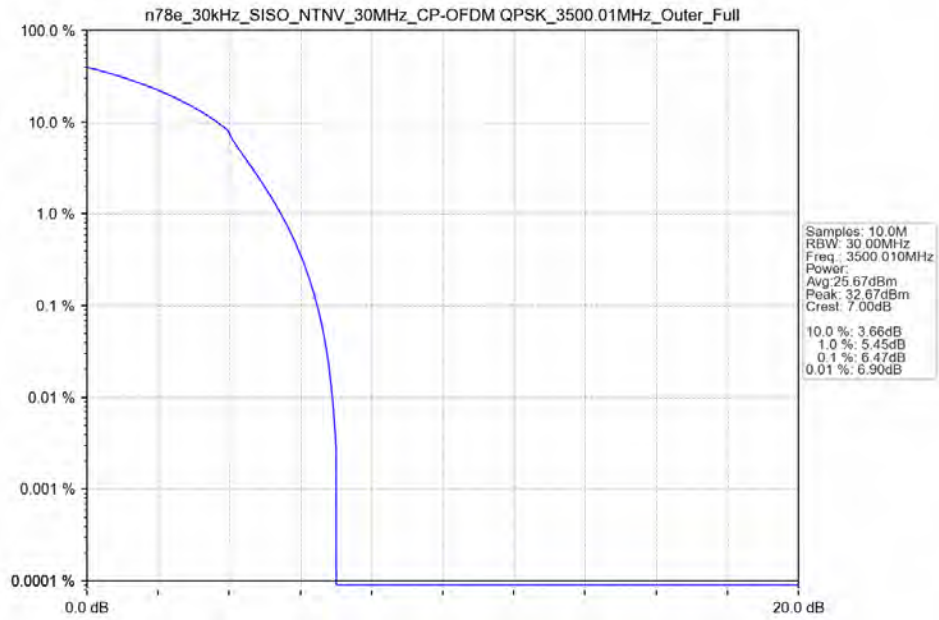
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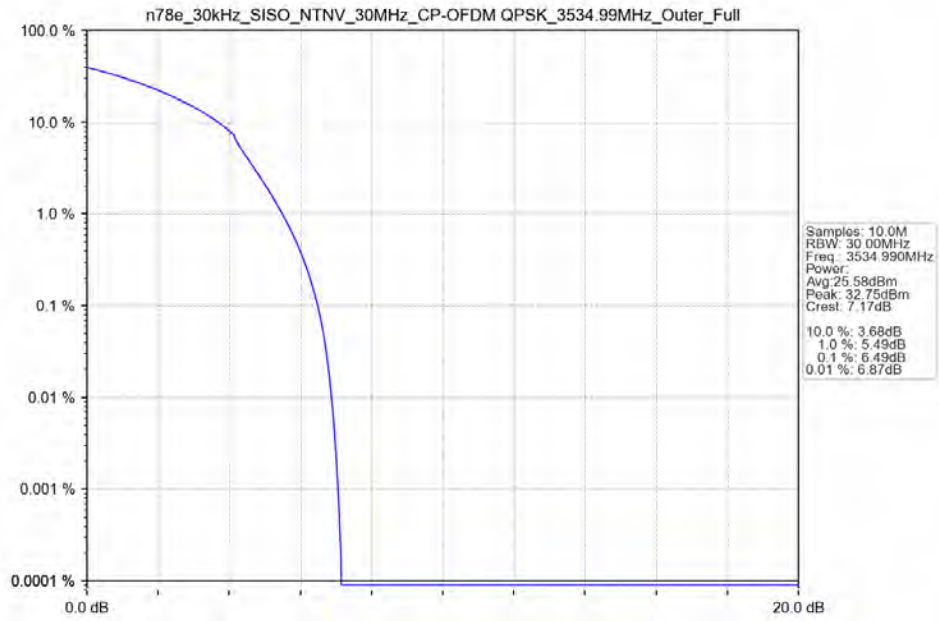
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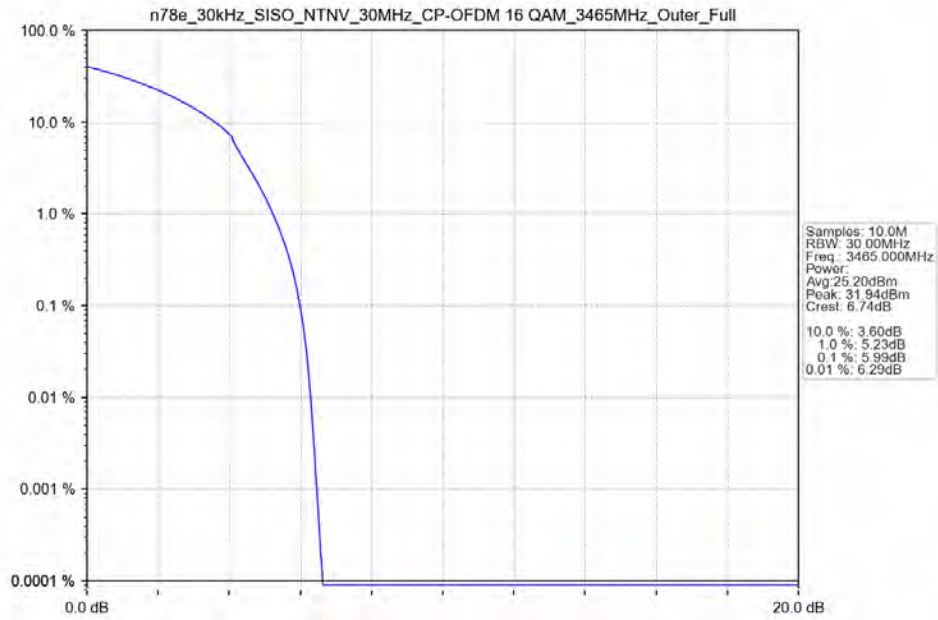
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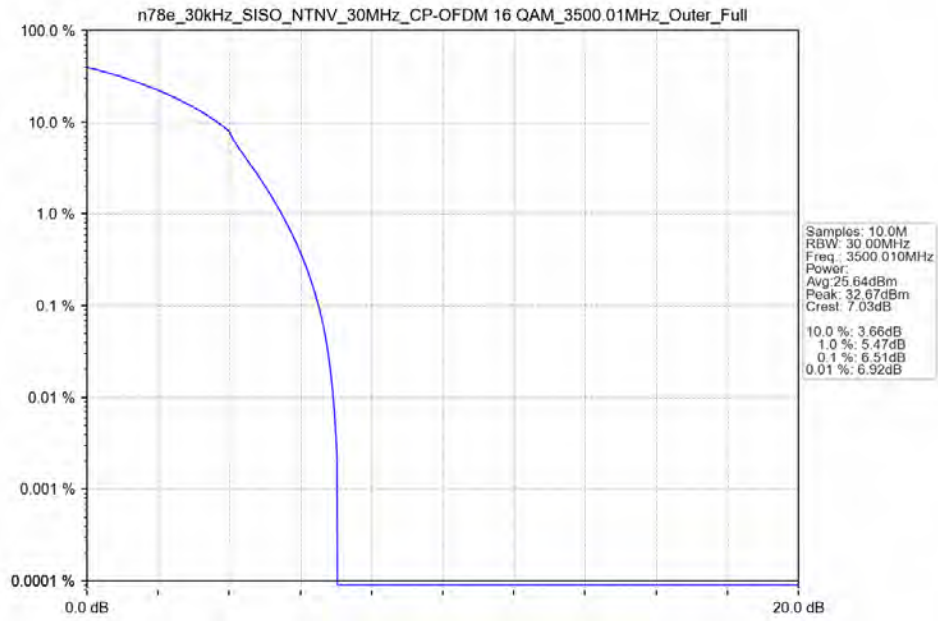
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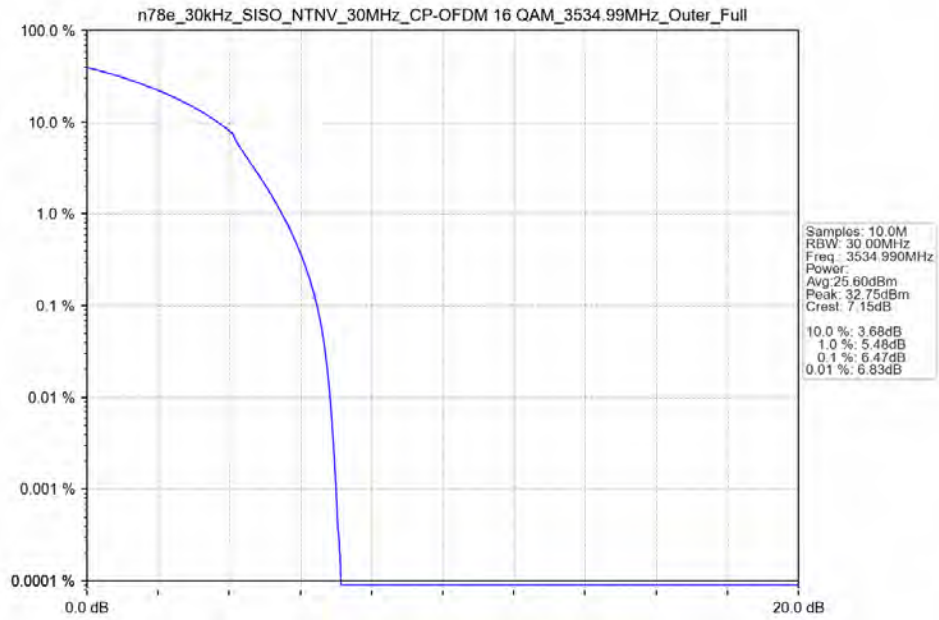
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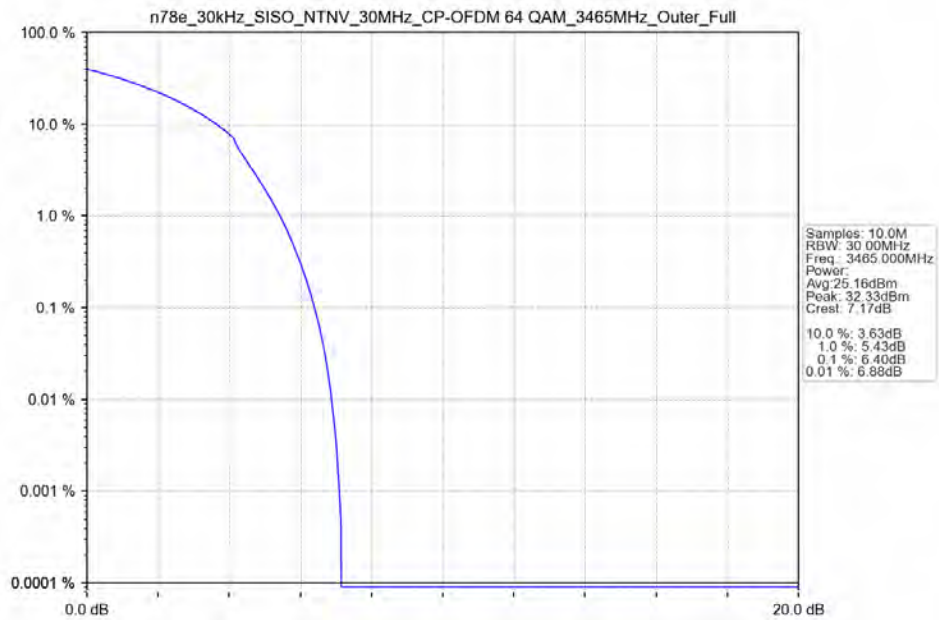
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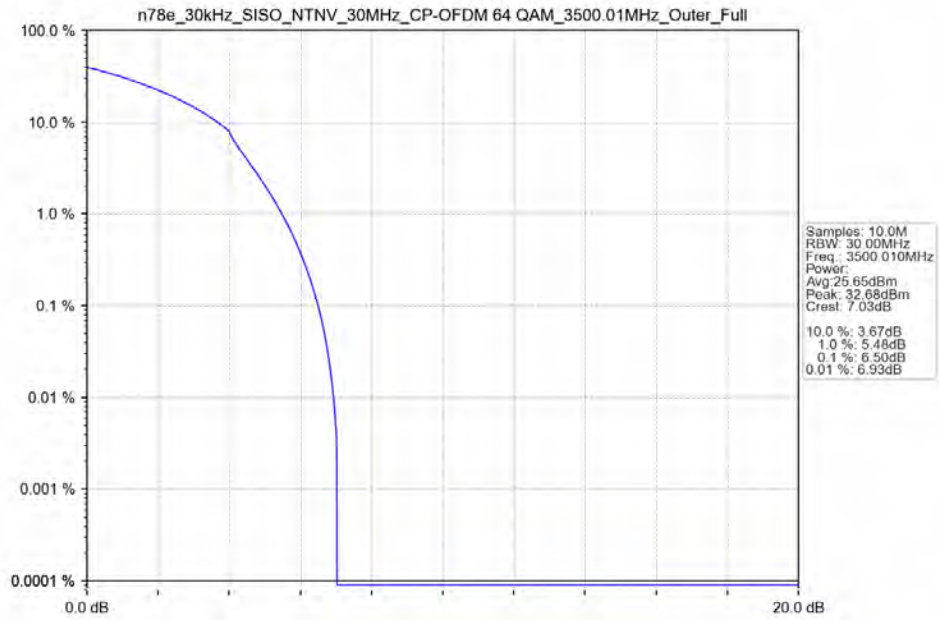
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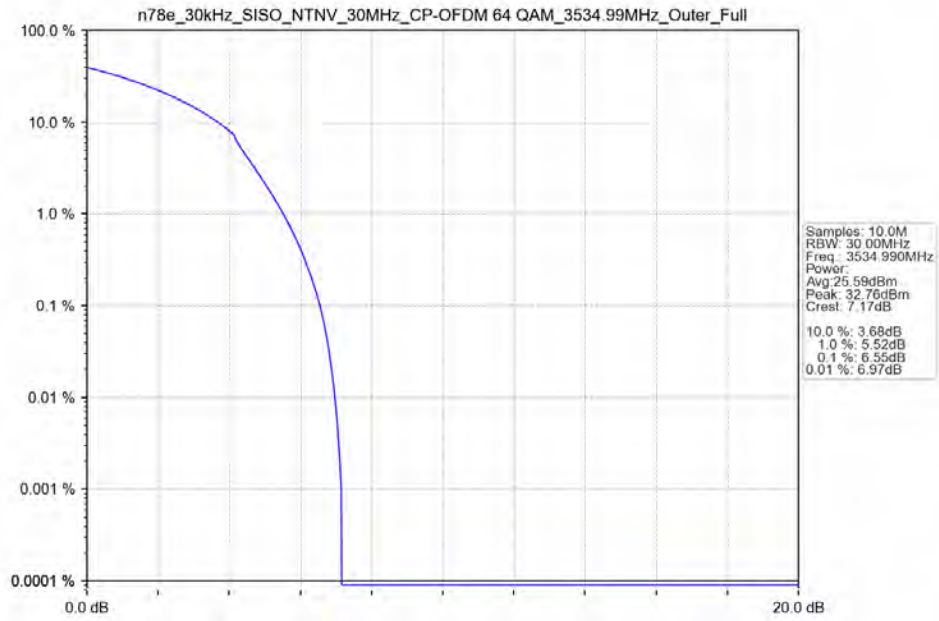
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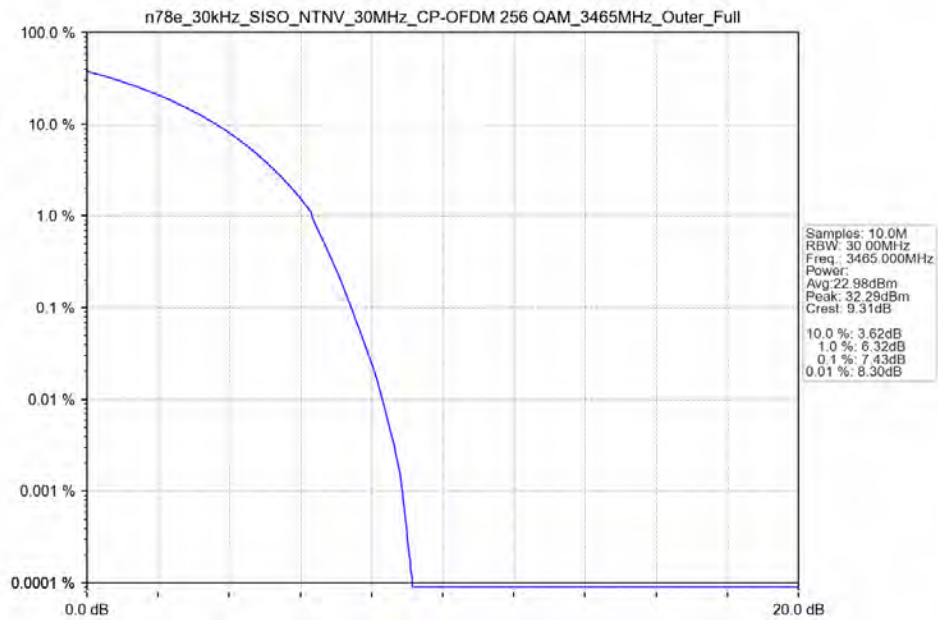
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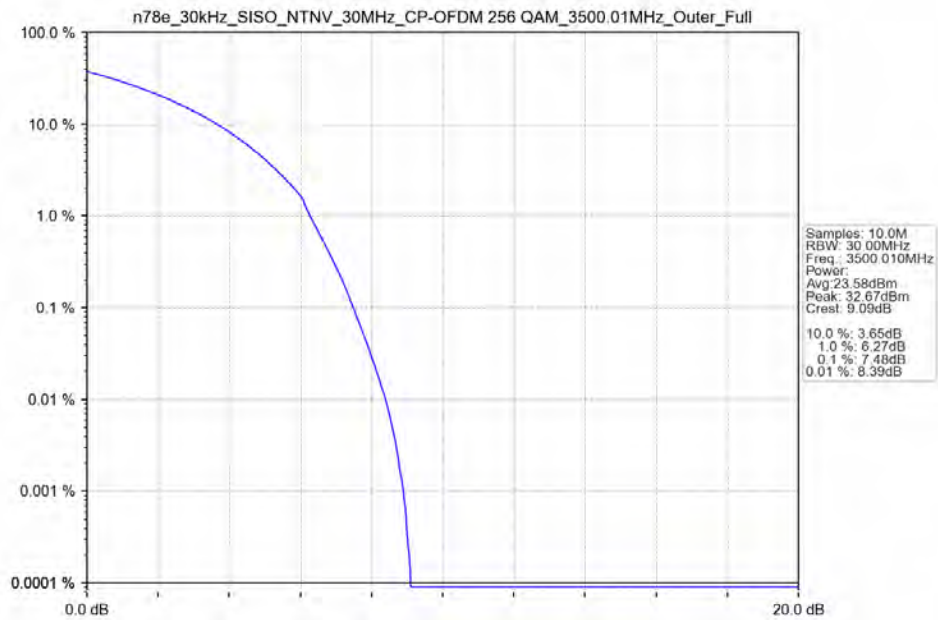
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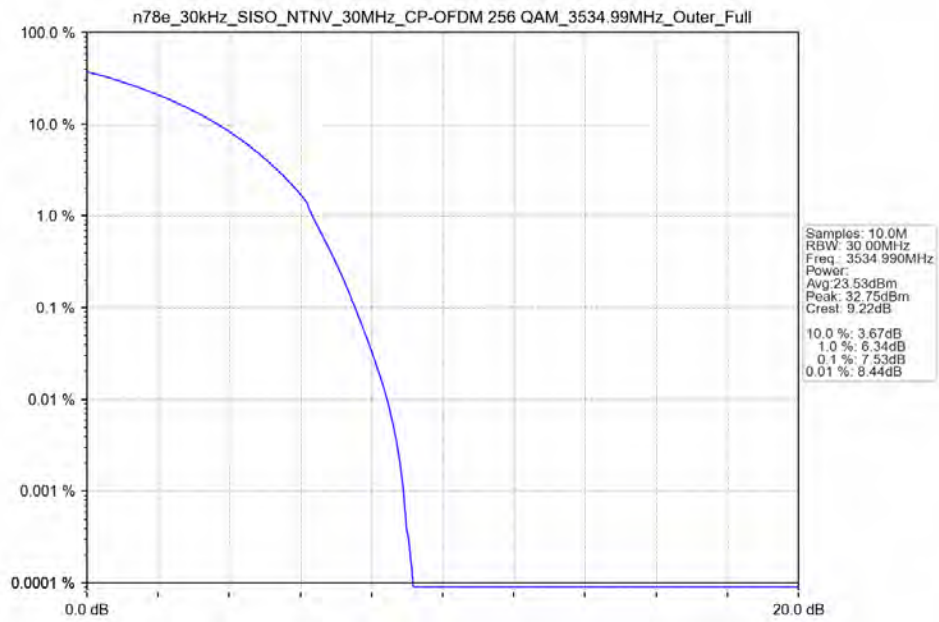
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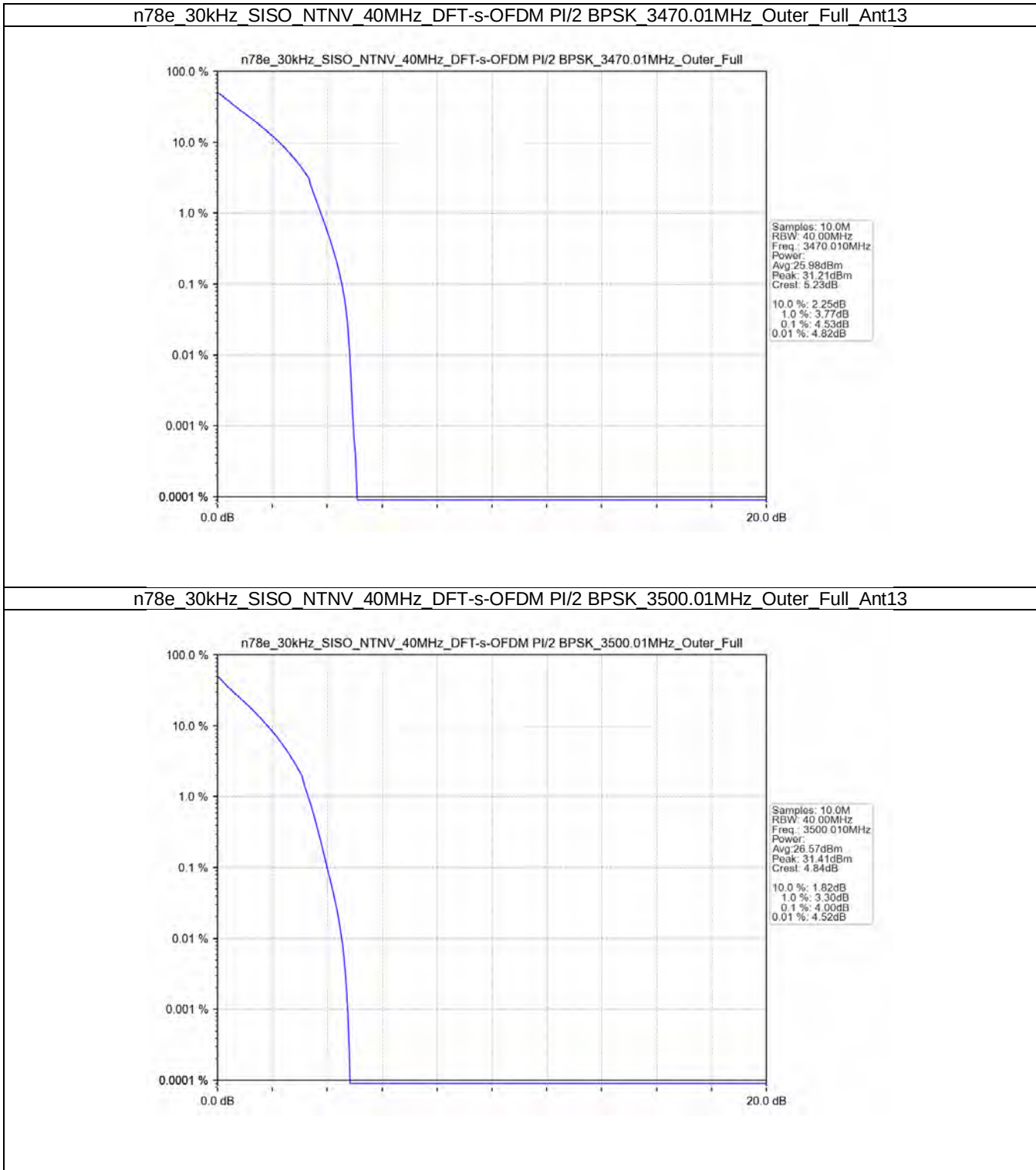
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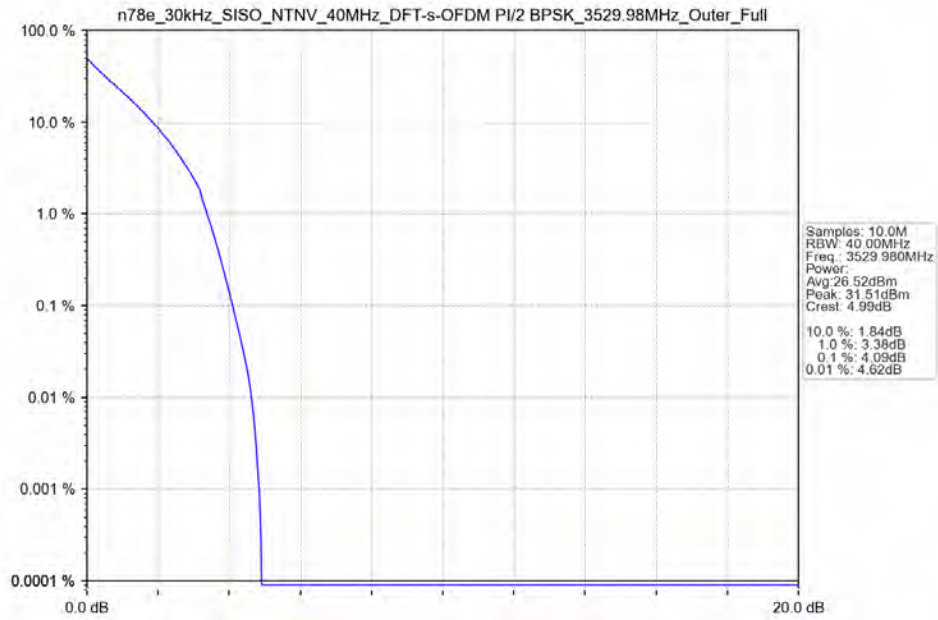
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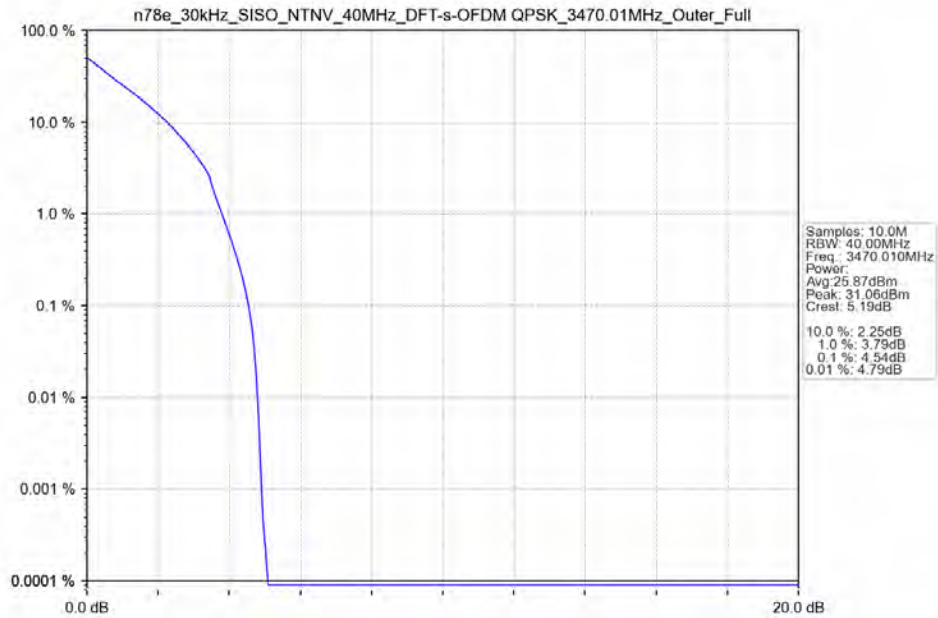
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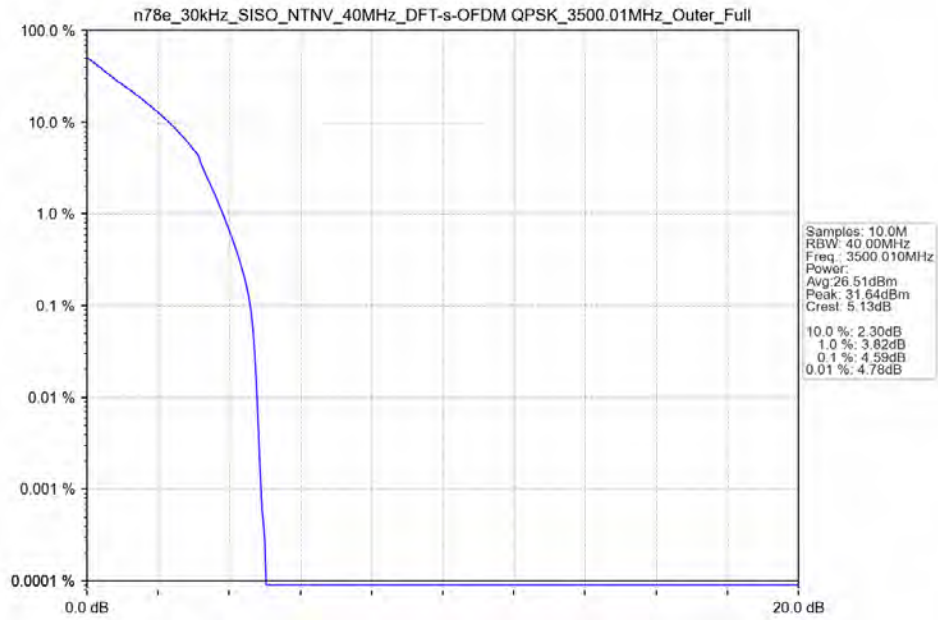
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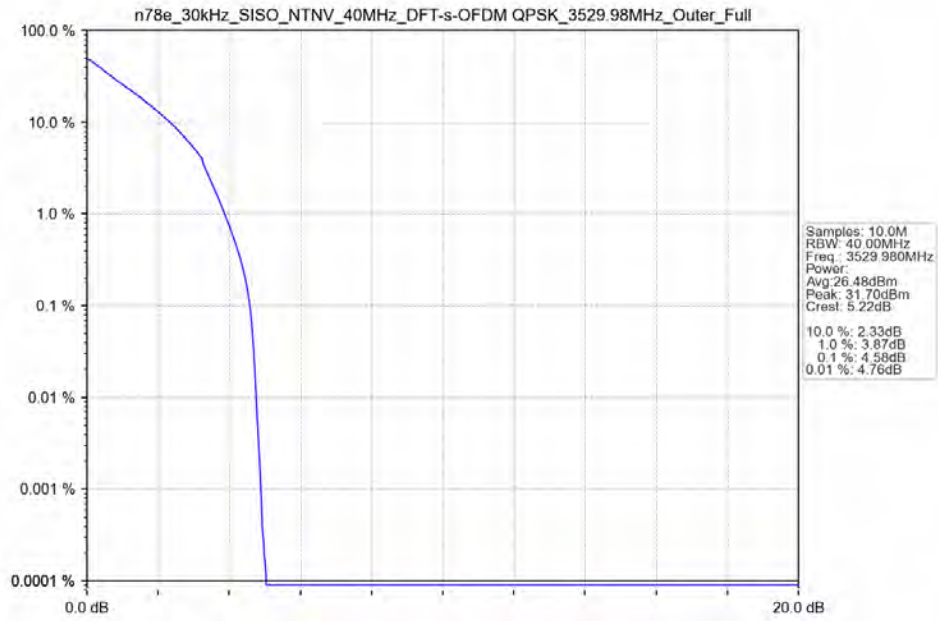
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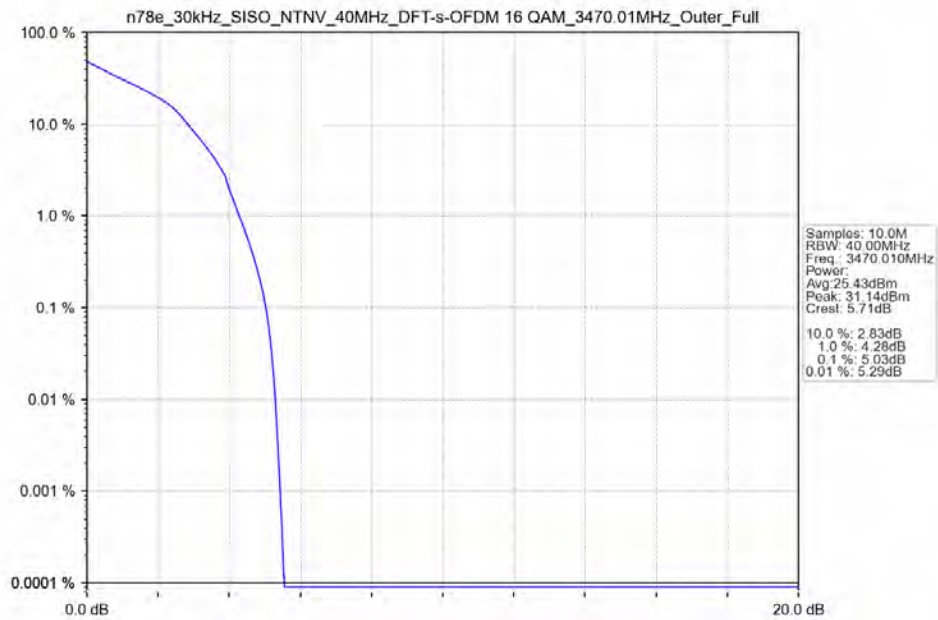
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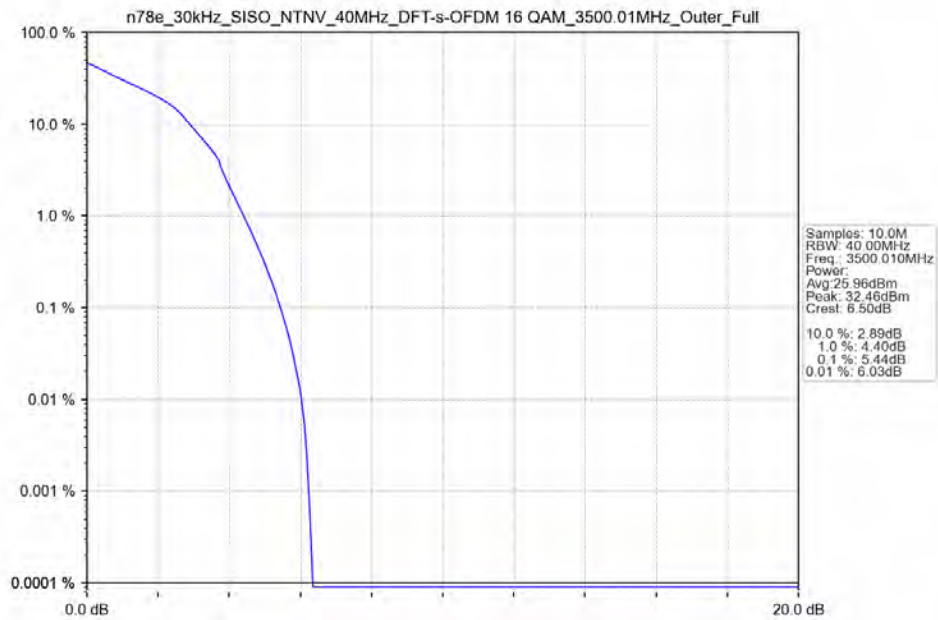
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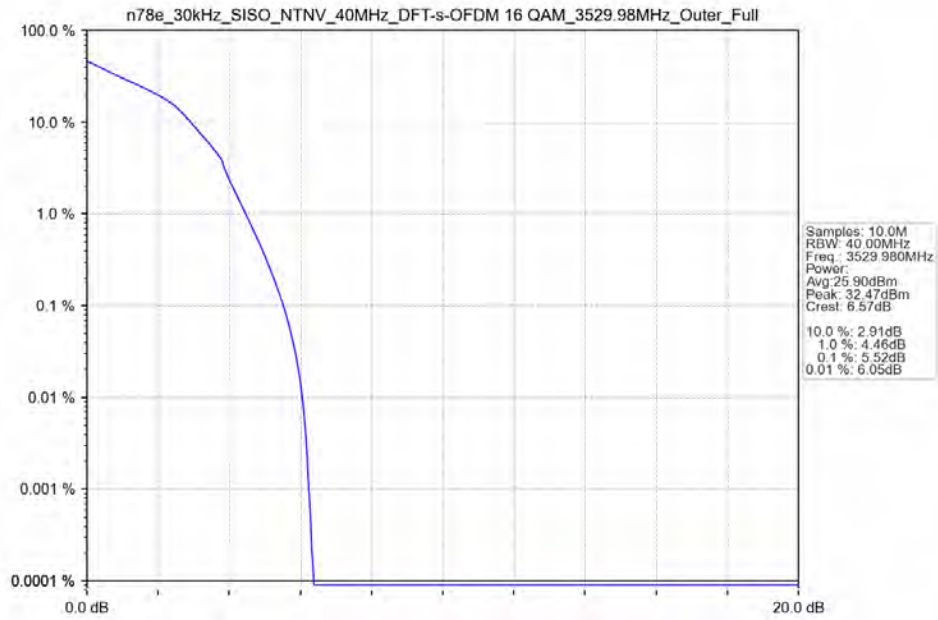
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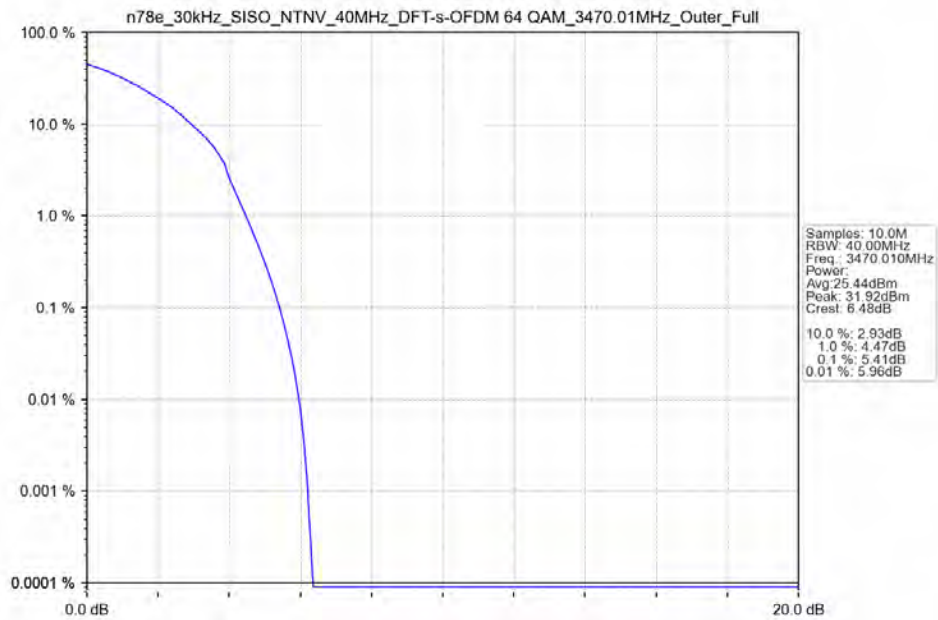
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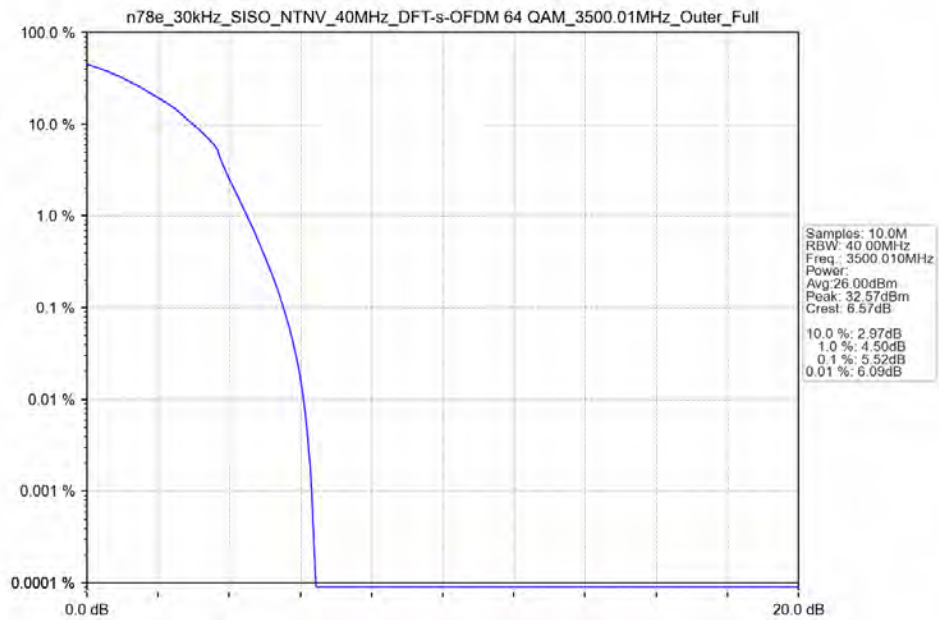
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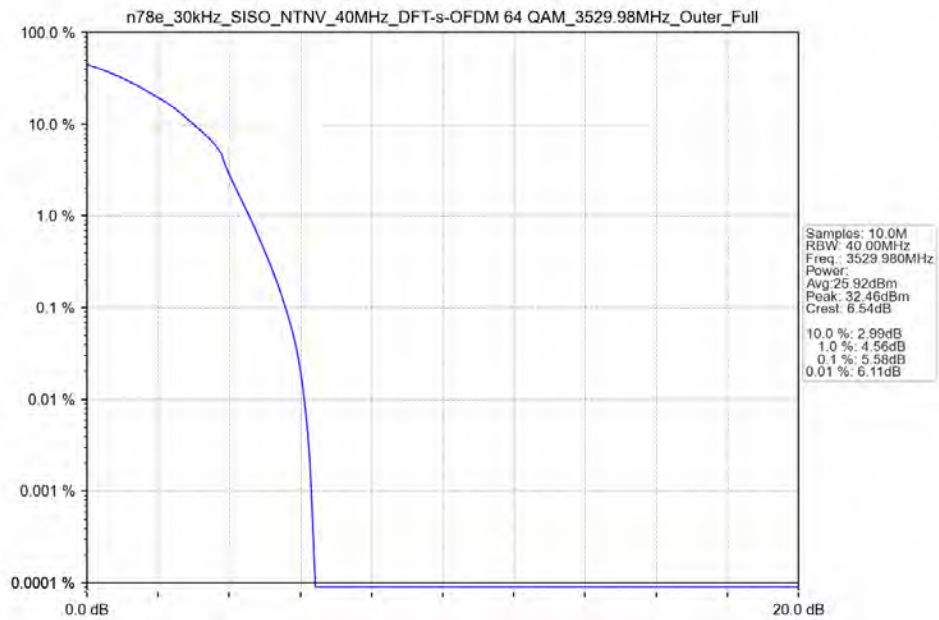
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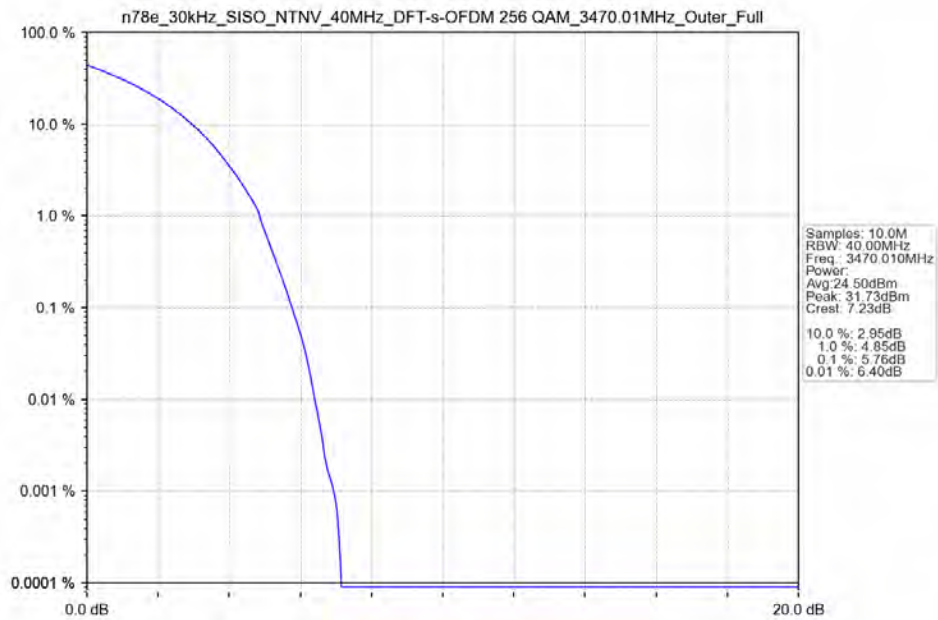
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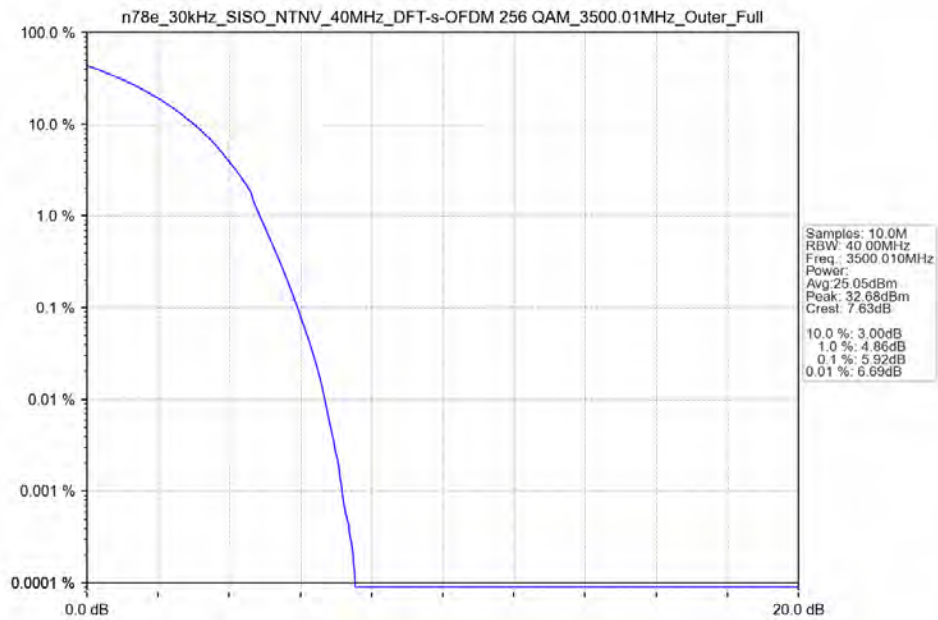
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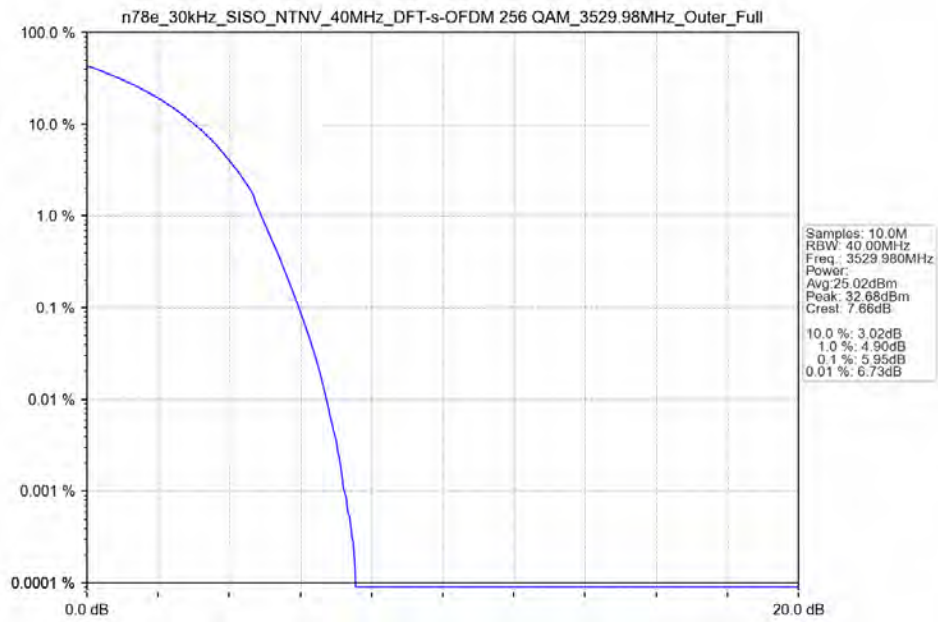
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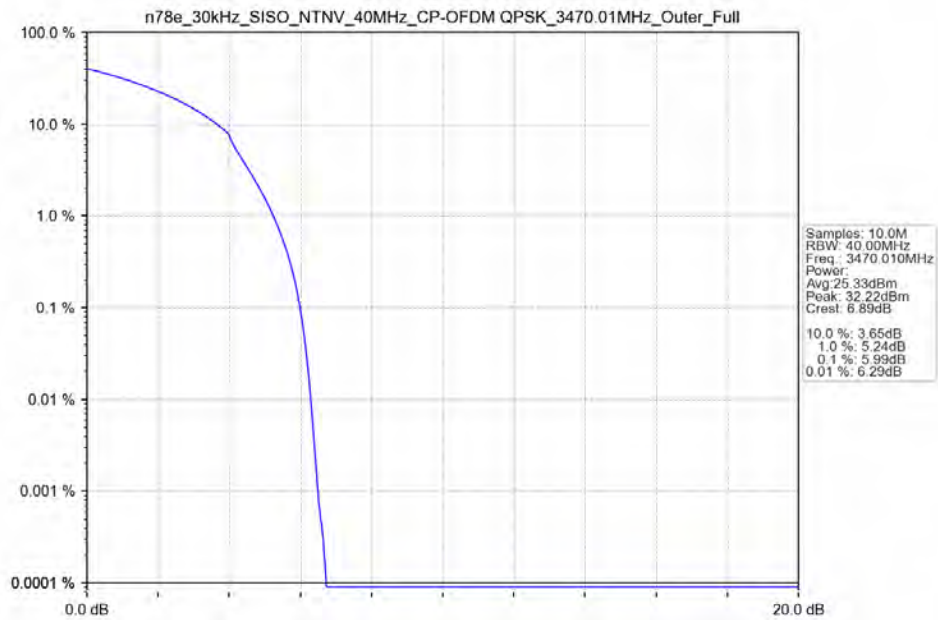
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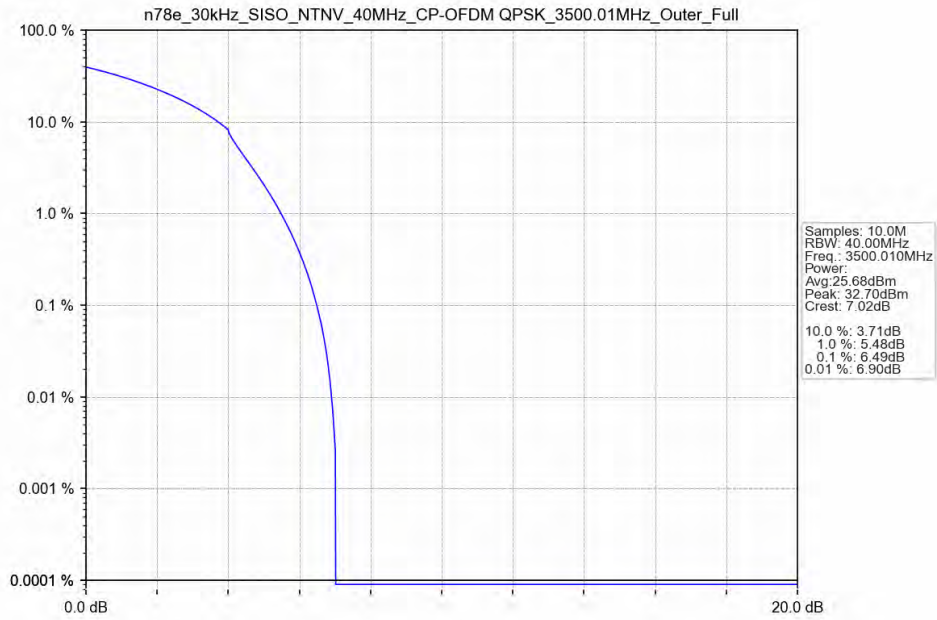
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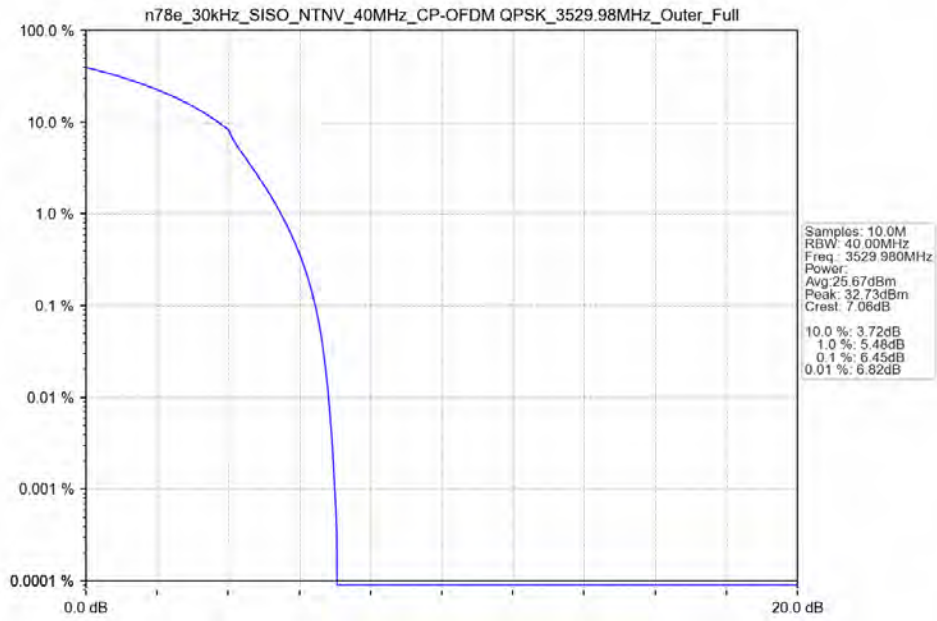
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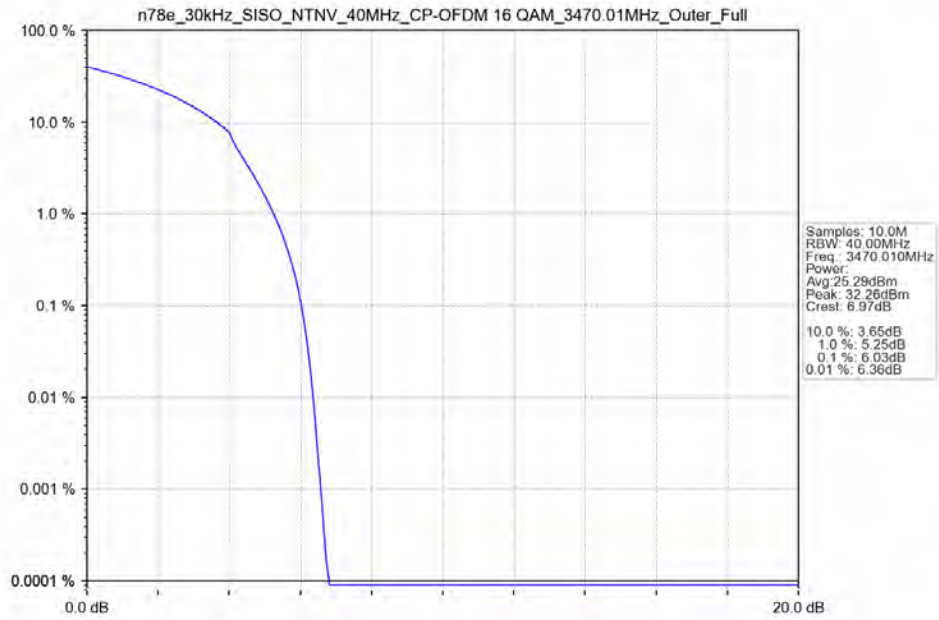
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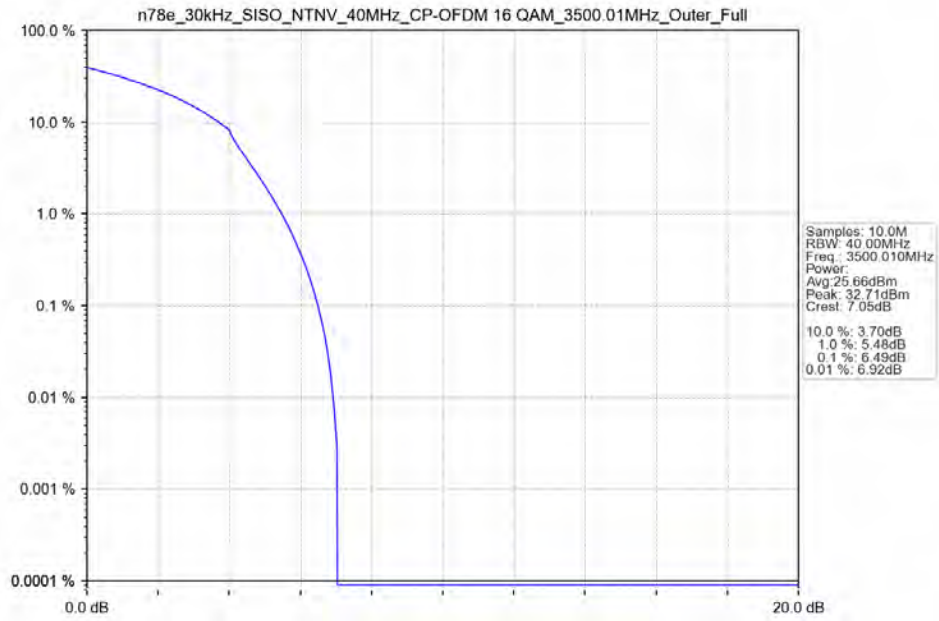
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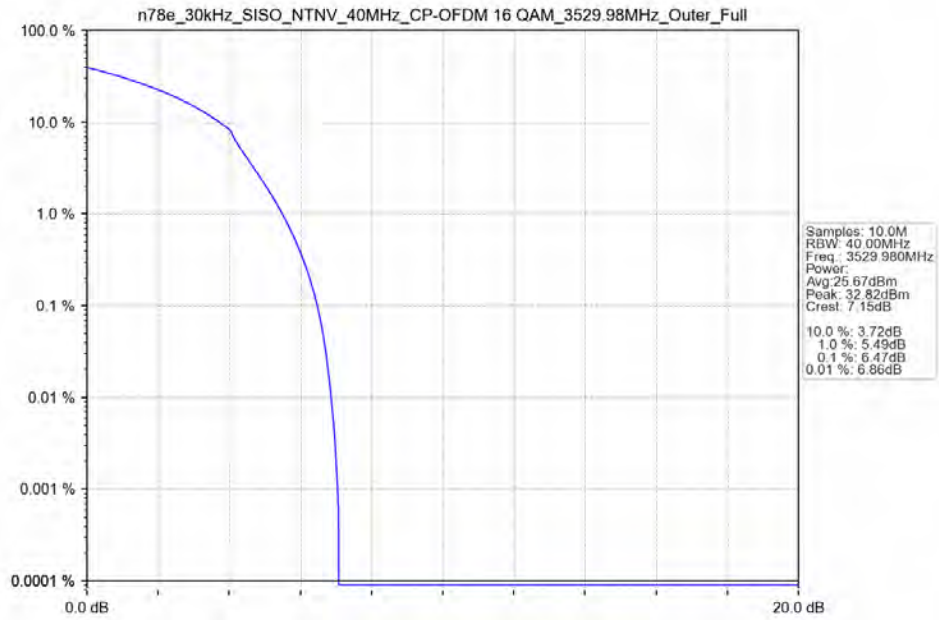
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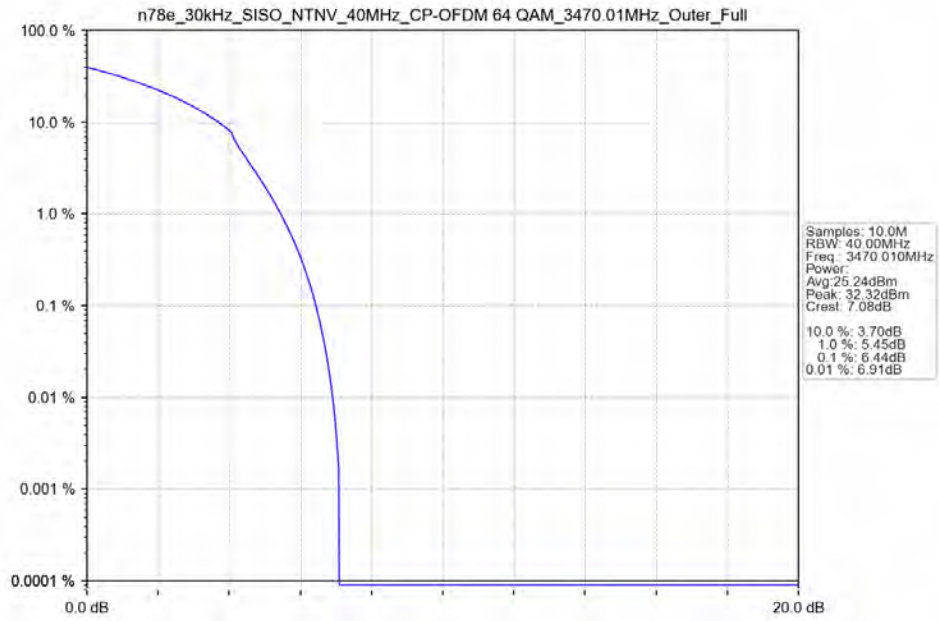
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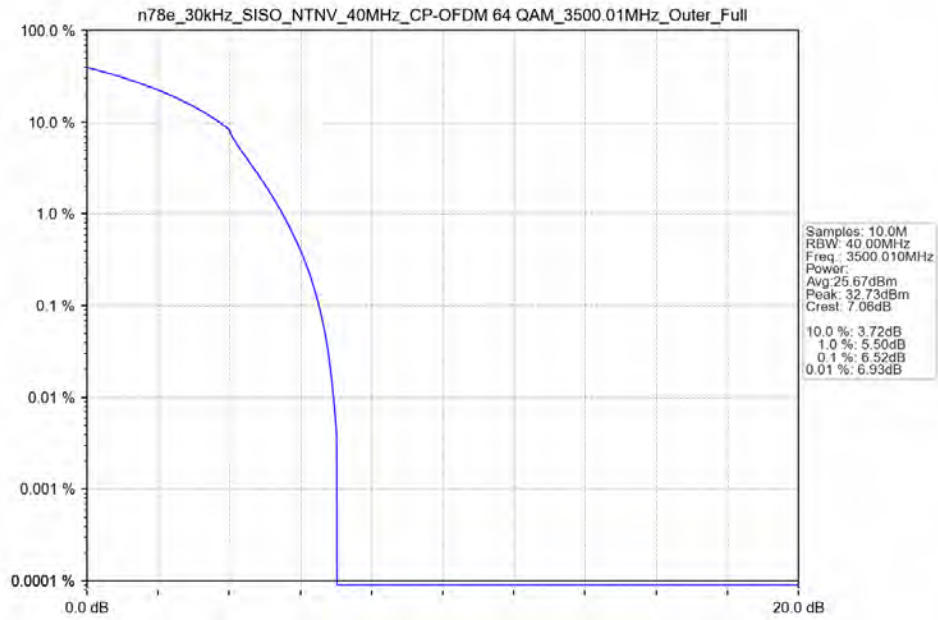
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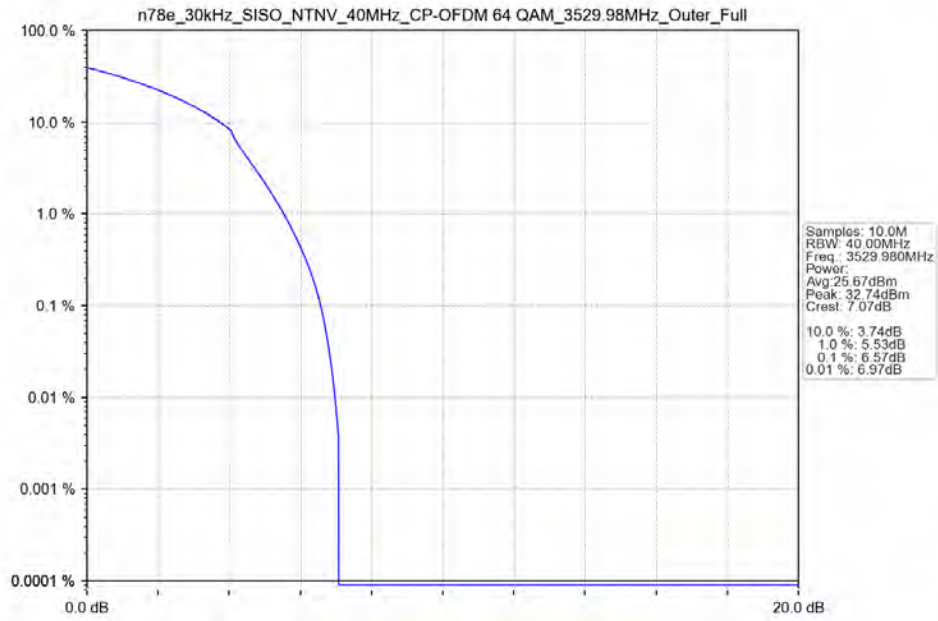
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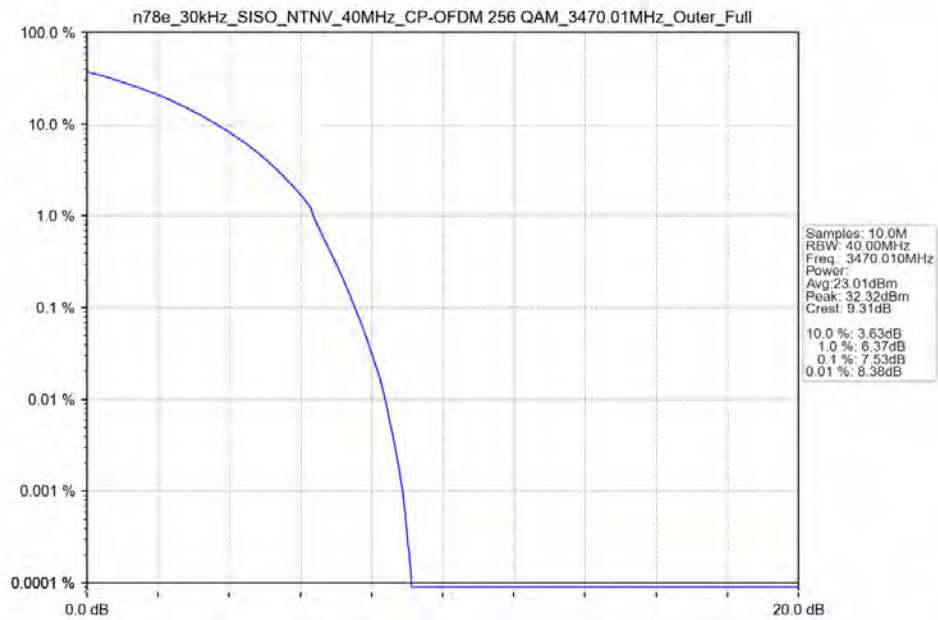
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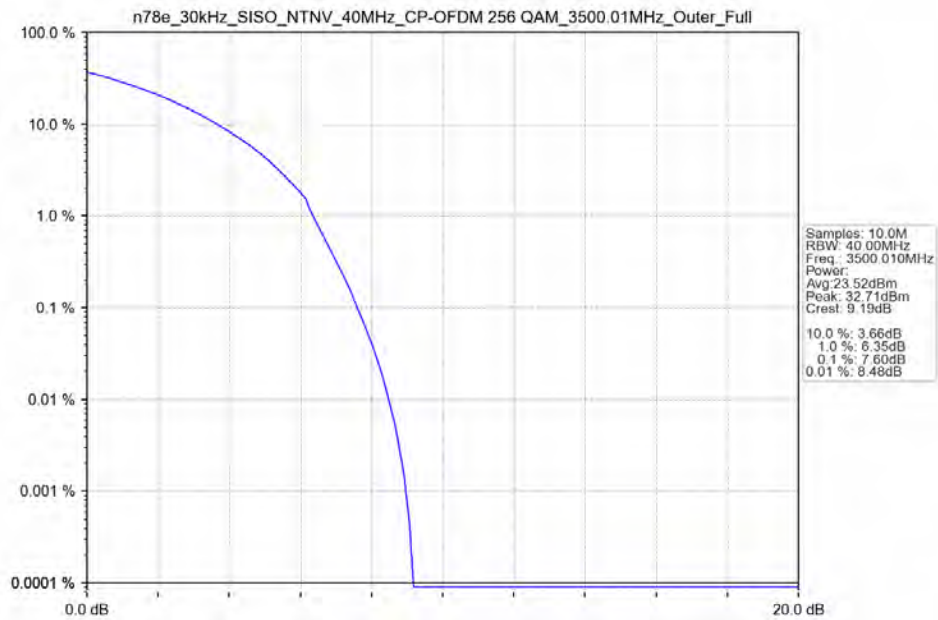
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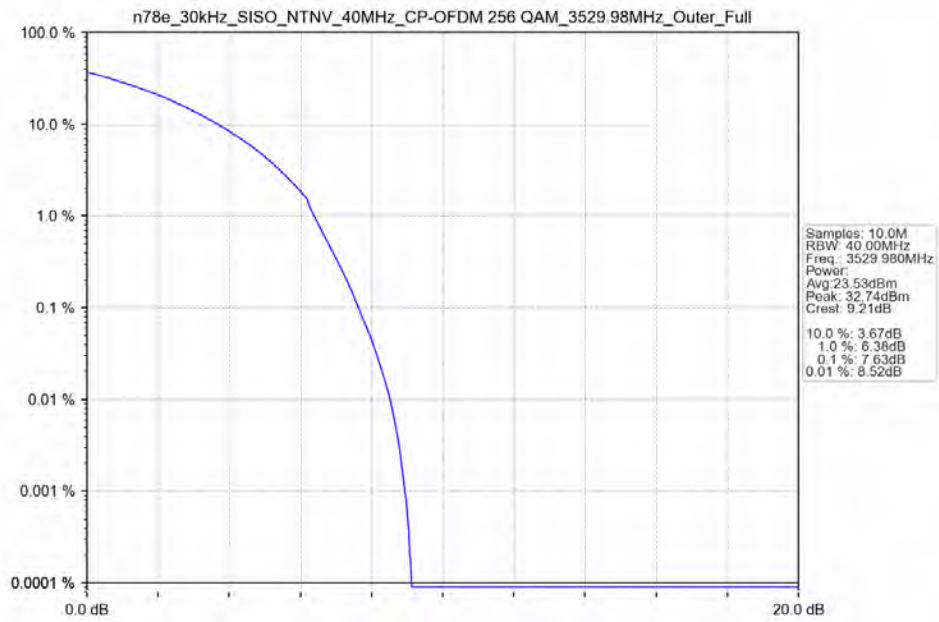
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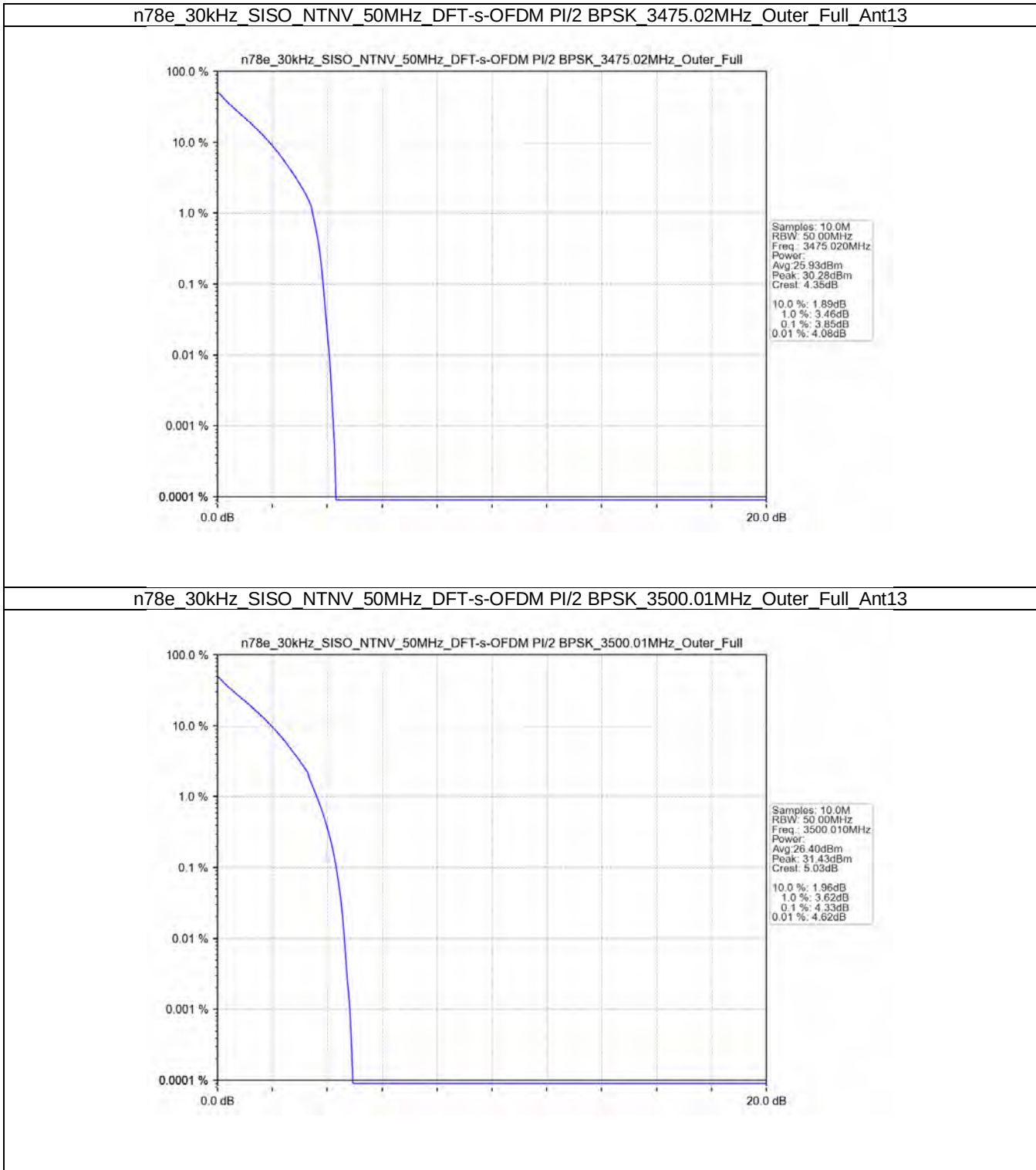
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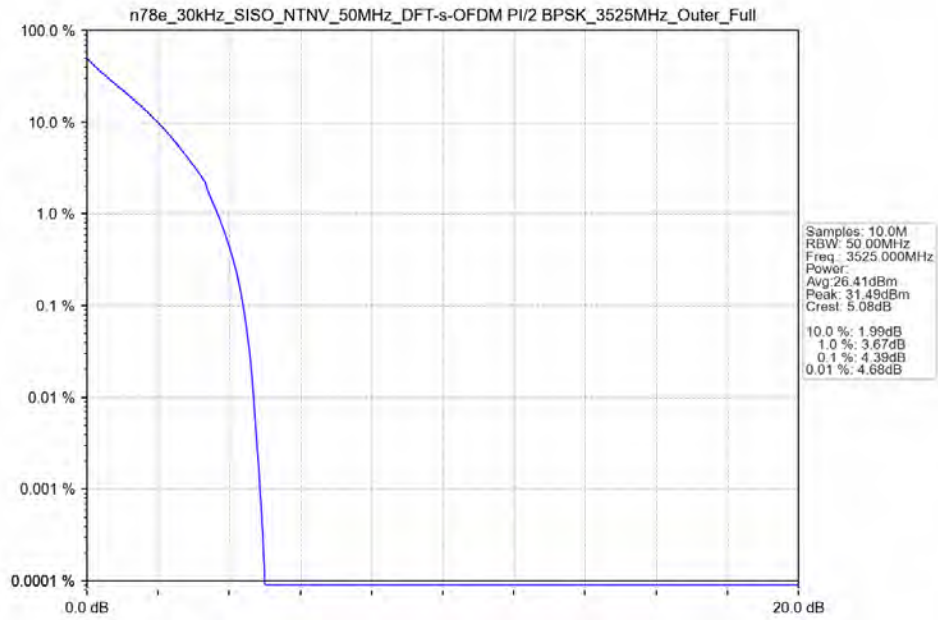
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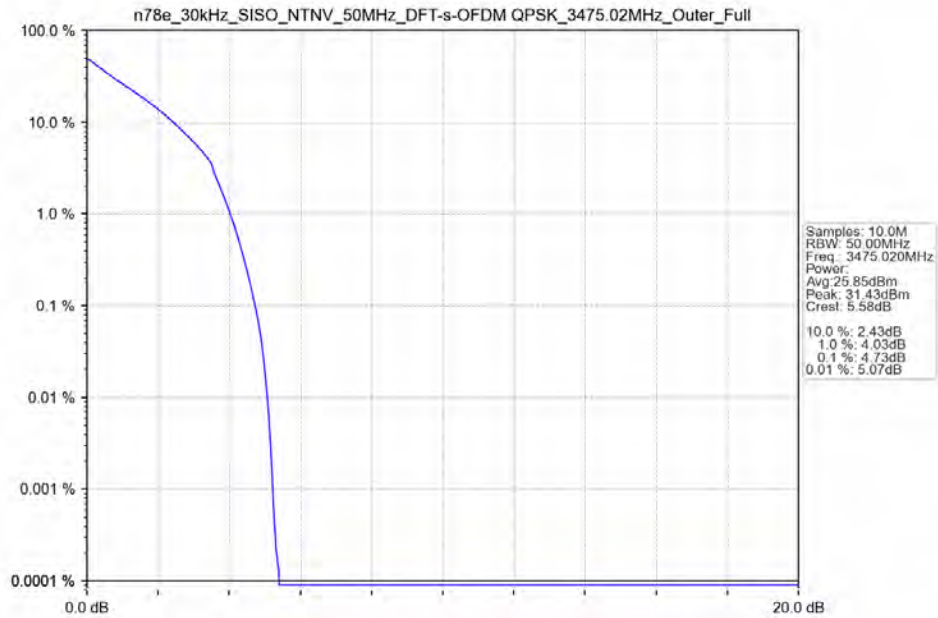
4.2.6 30k_SISO_50MHz_NTNV



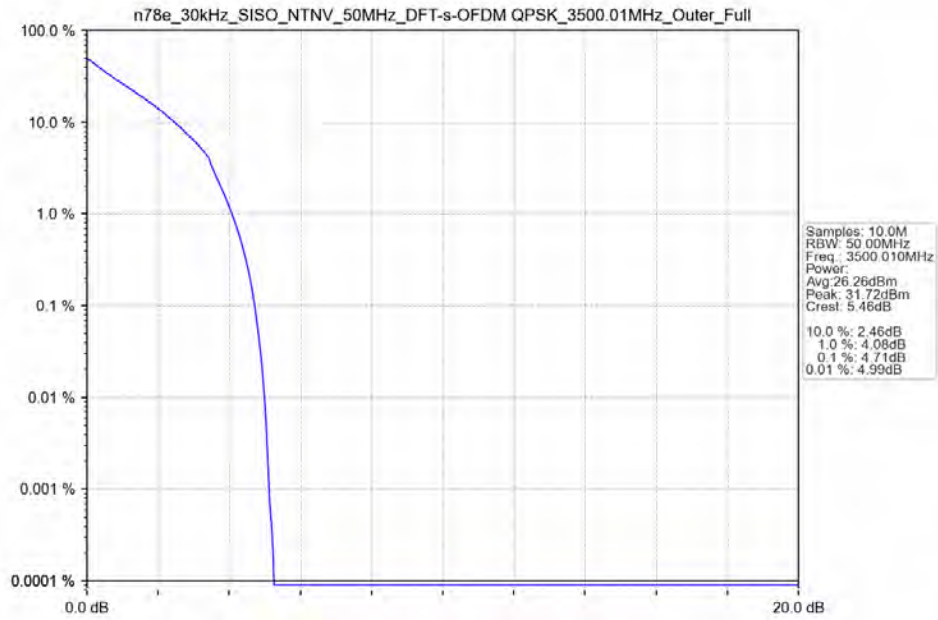
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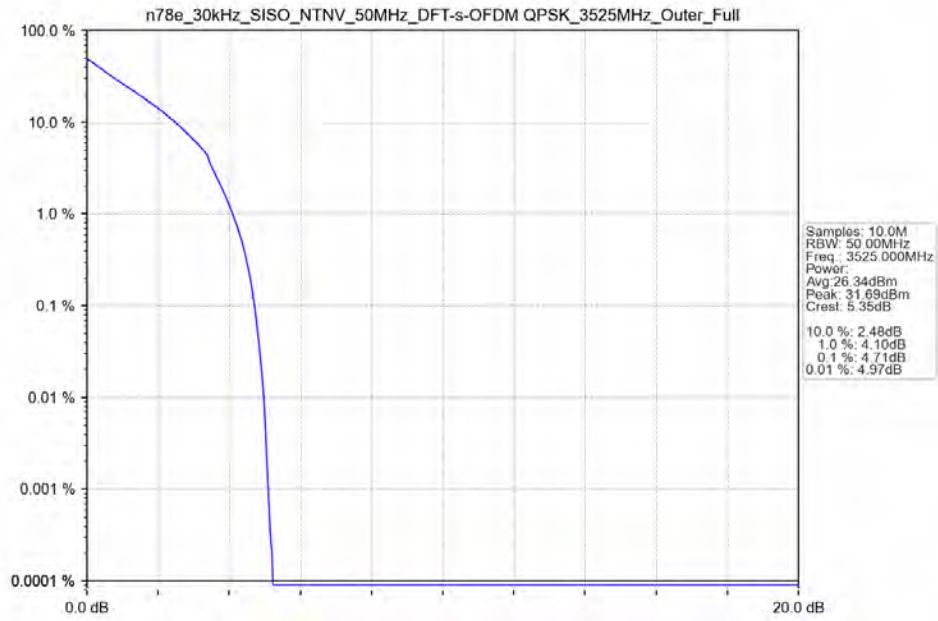
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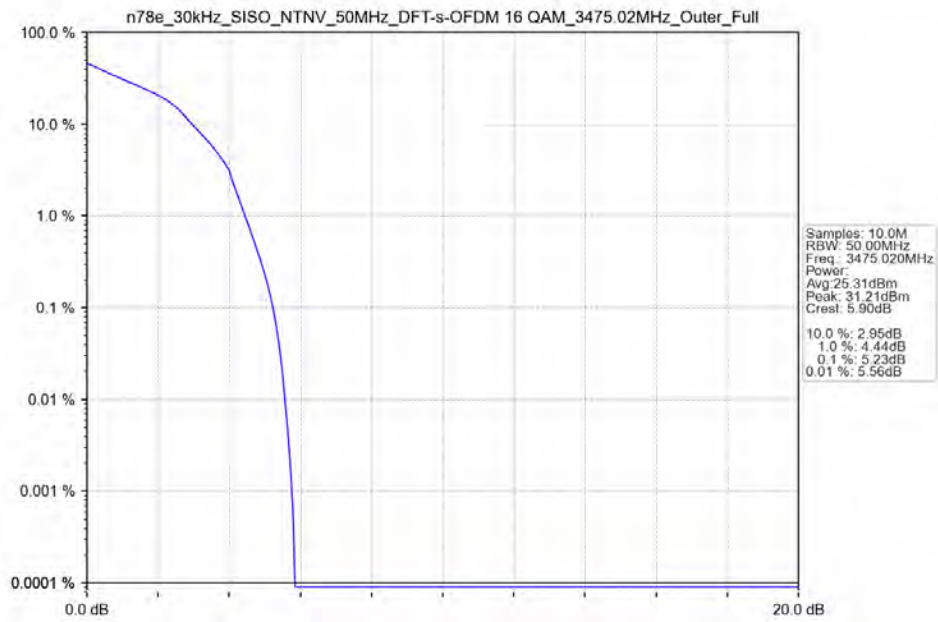
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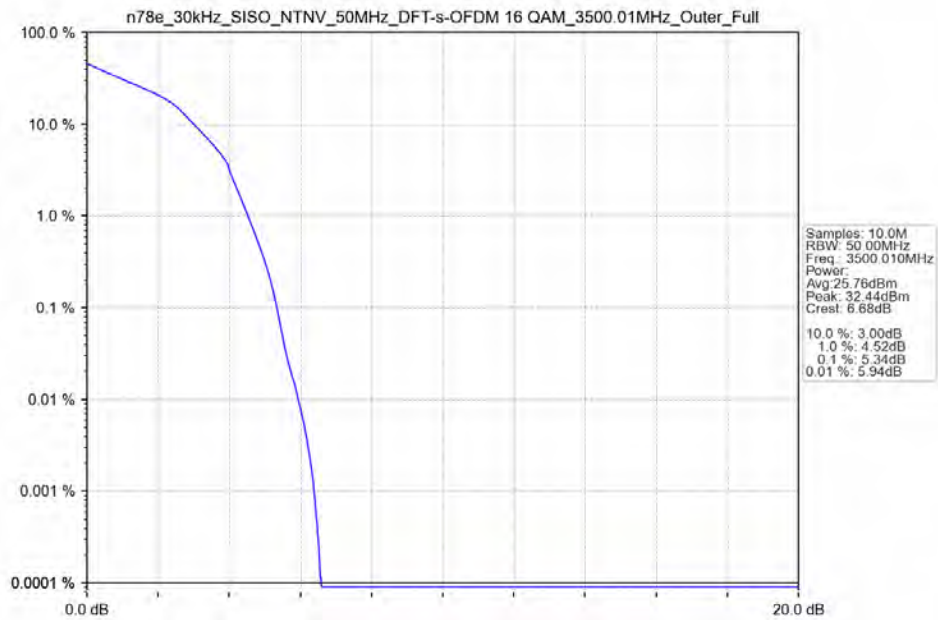
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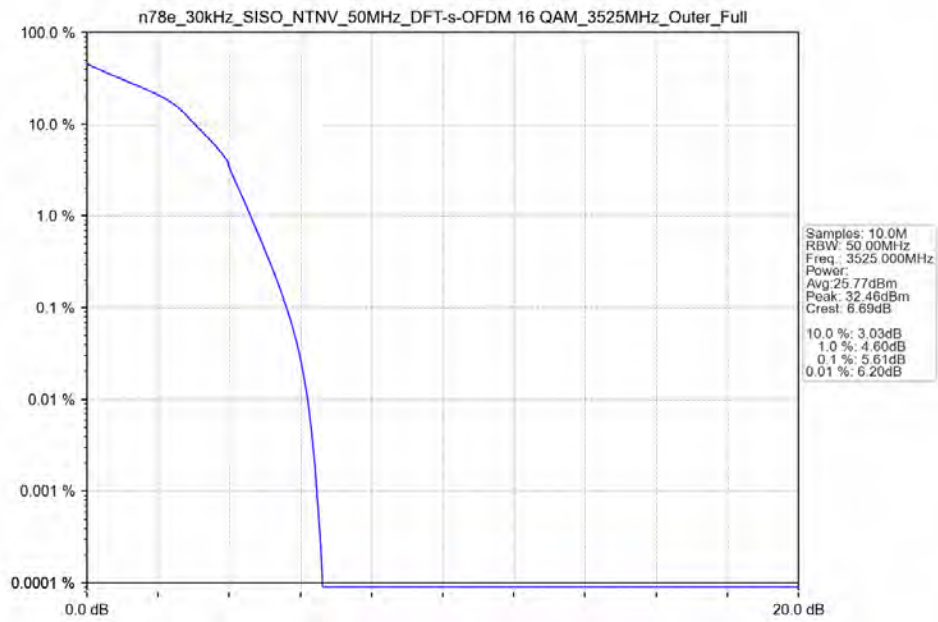
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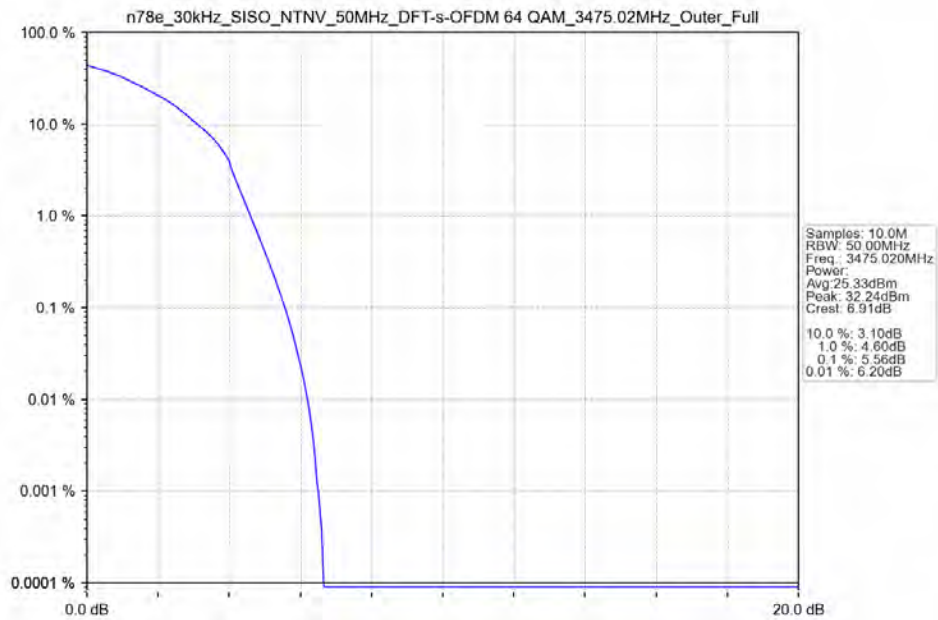
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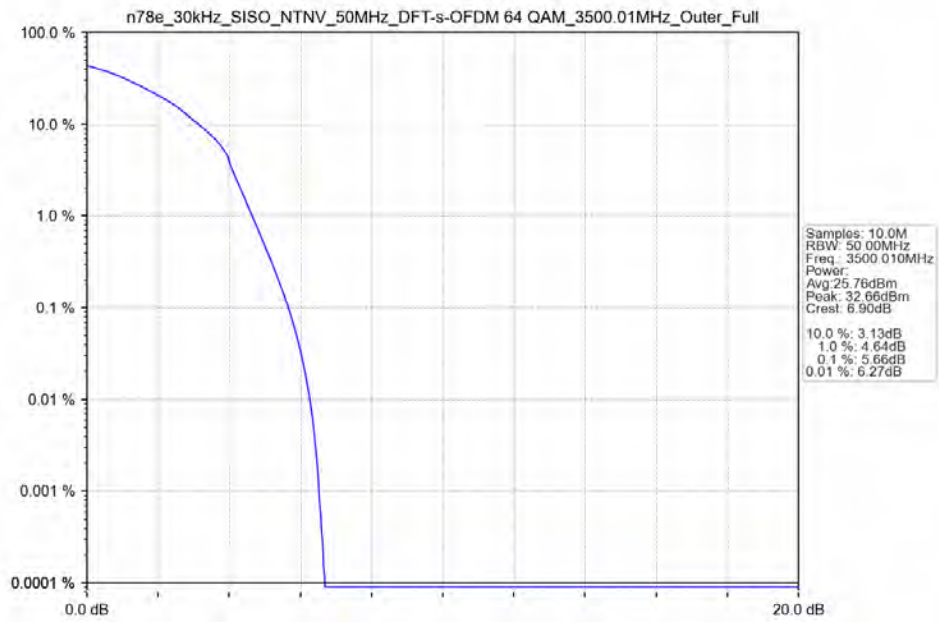
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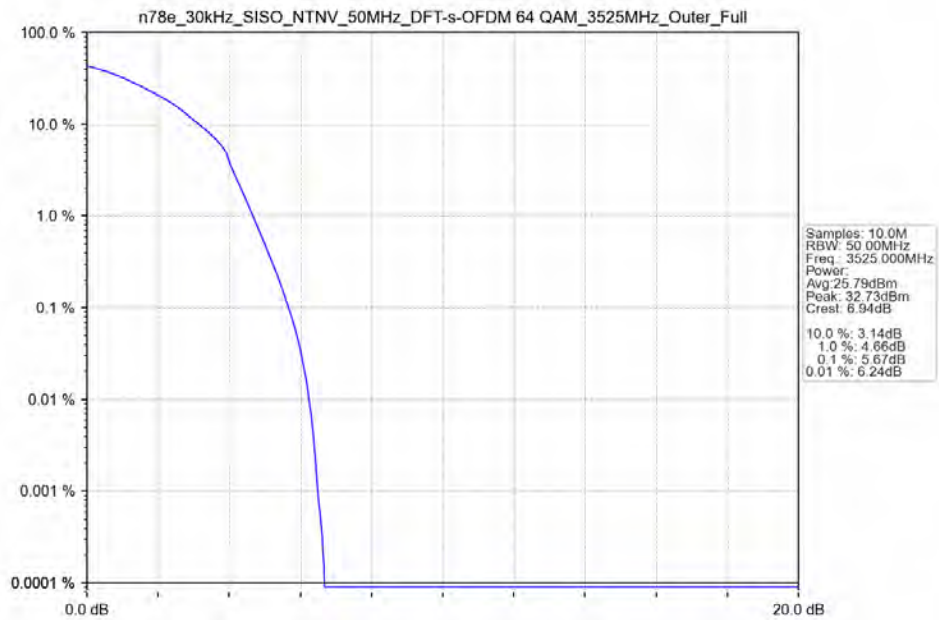
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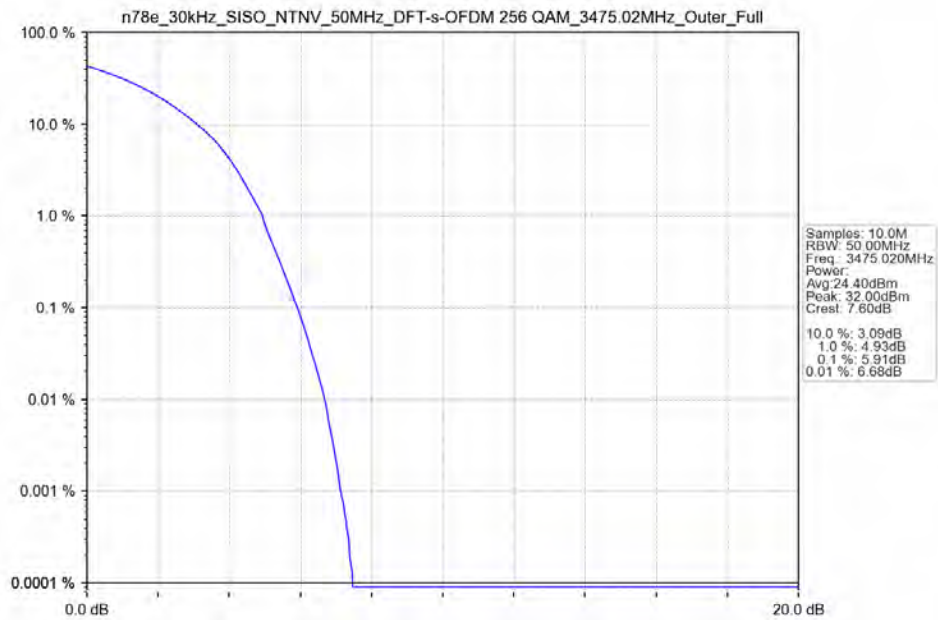
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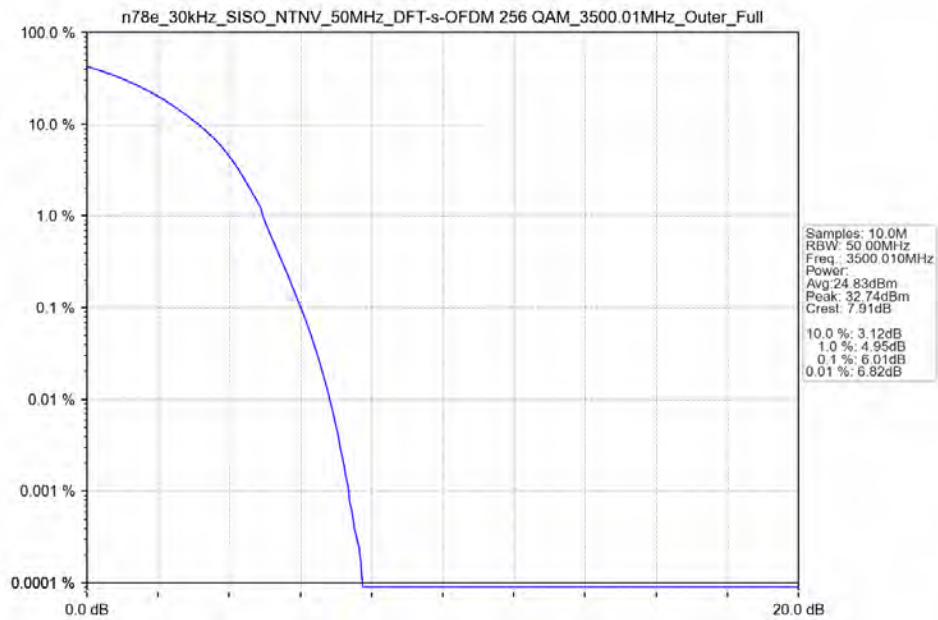
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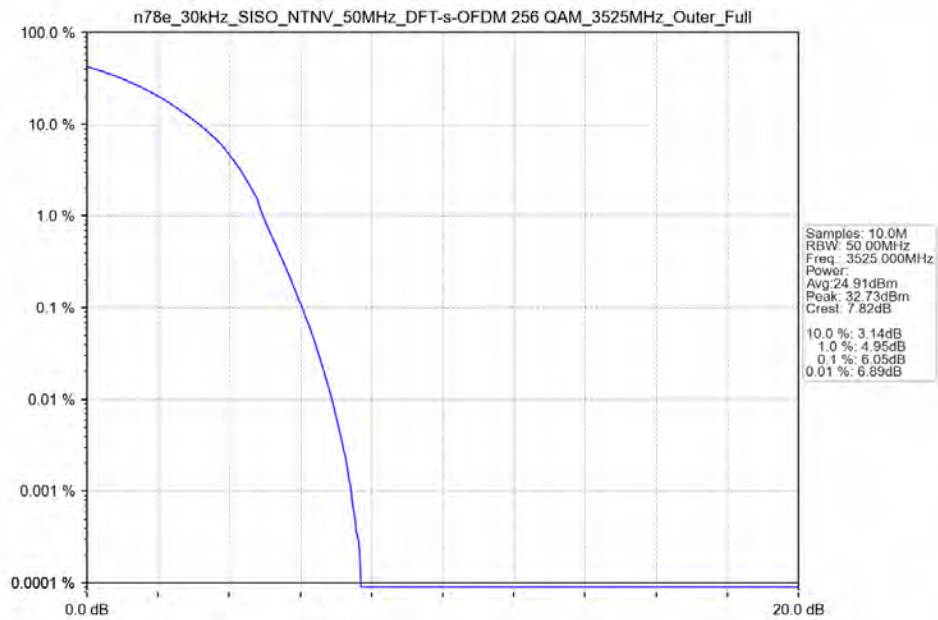
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n78e_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant13



n78e 30kHz SISO NTN 50MHz DFT-s-OFDM 256 QAM 3525MHz Outer Full Ant13



n78e 30kHz SISO NTN 50MHz CP-OFDM QPSK 3475.02MHz Outer Full Ant13

