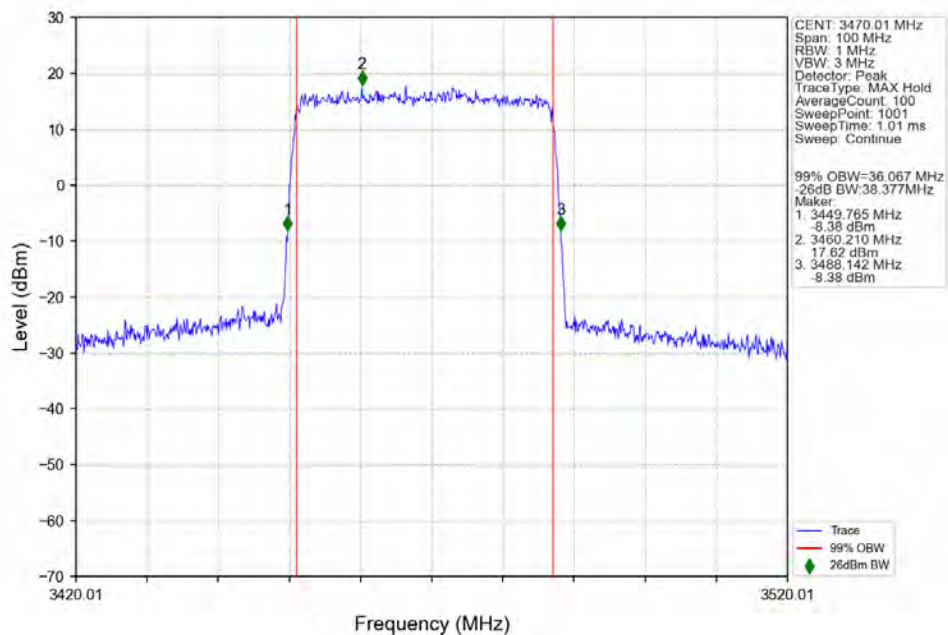
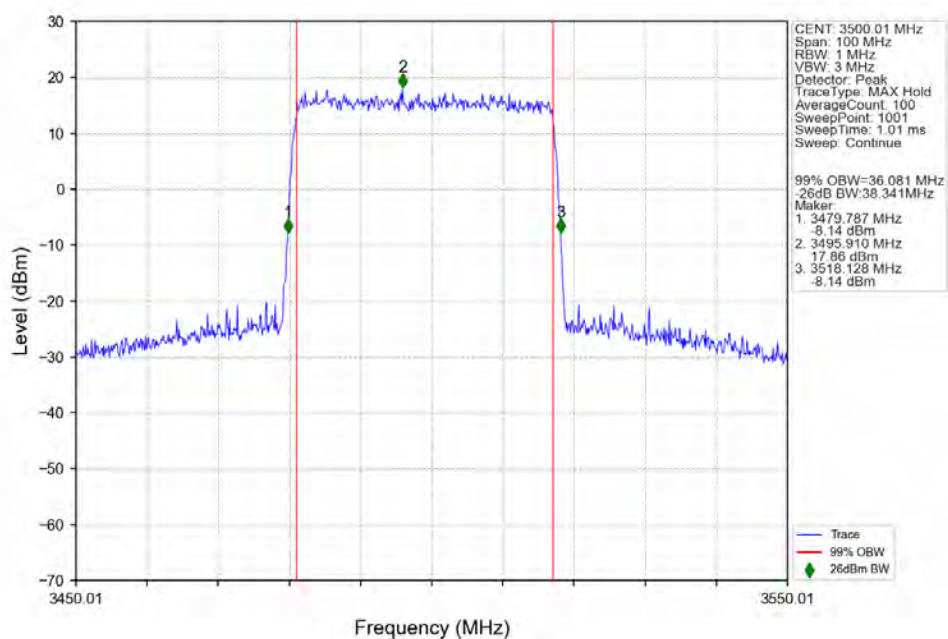


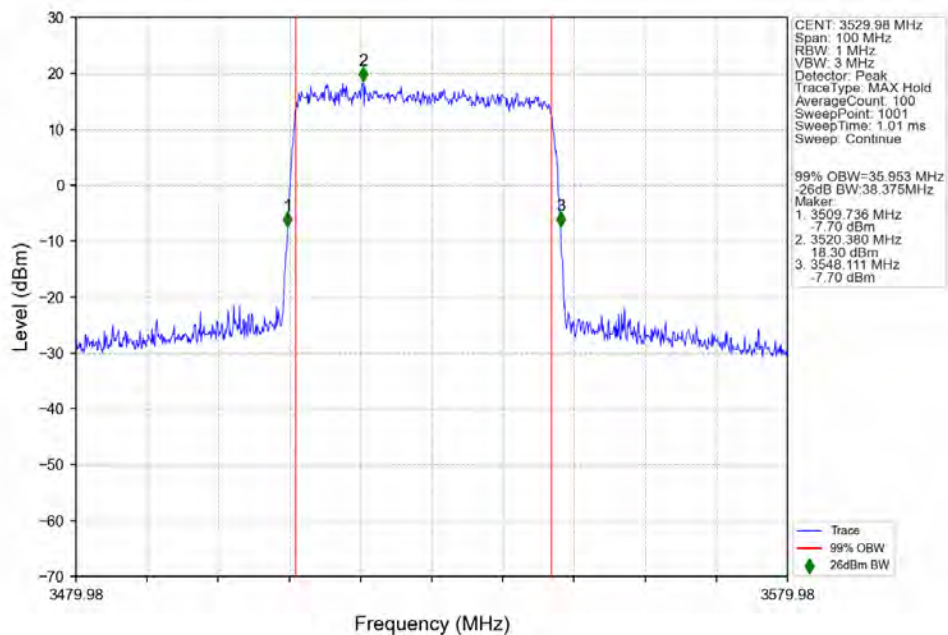
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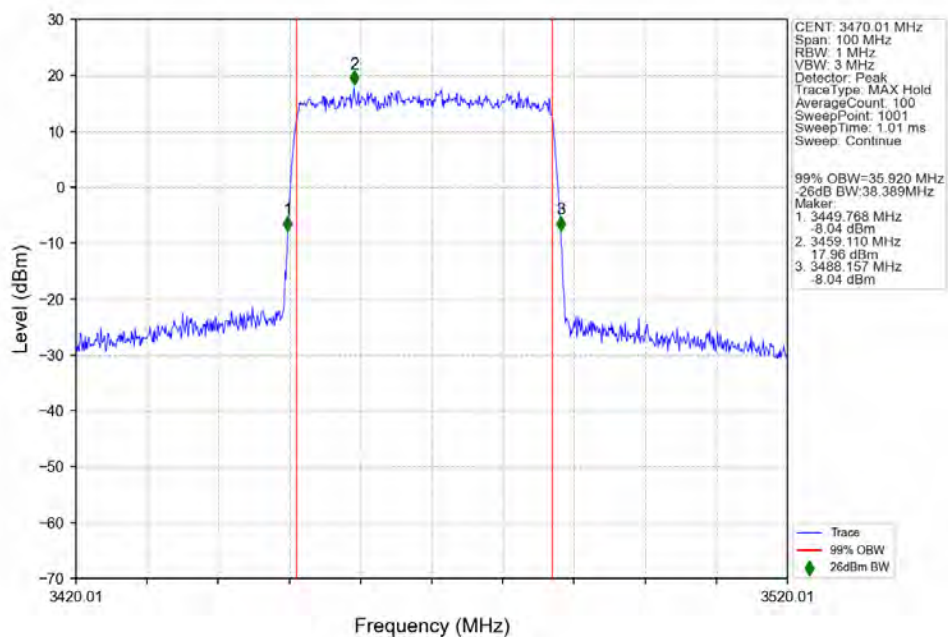
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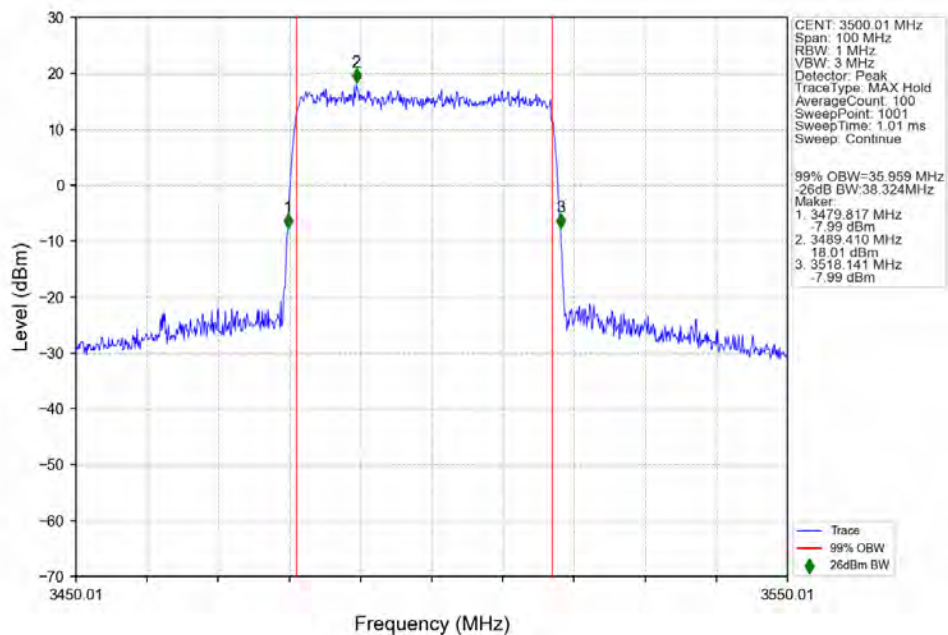
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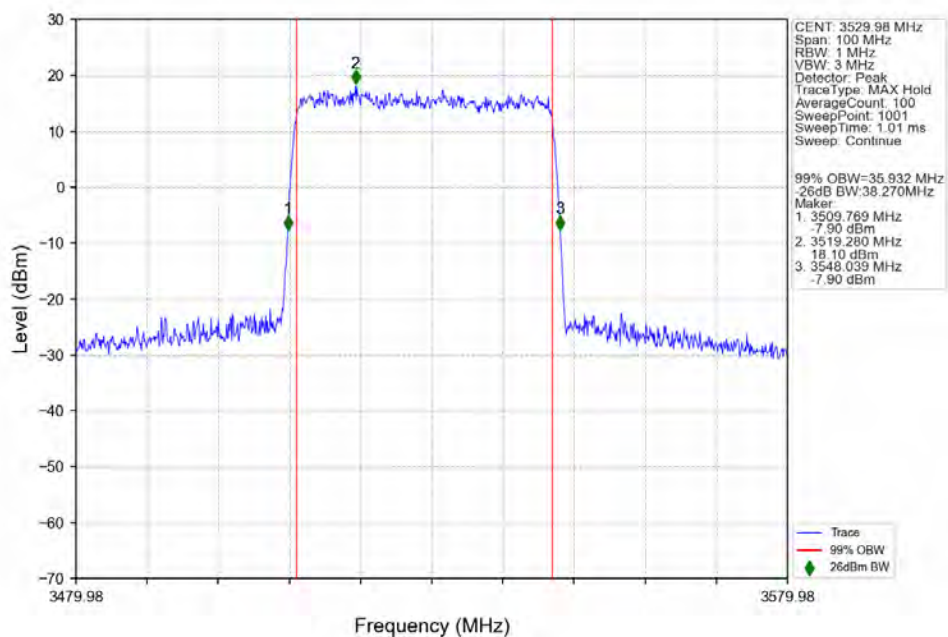
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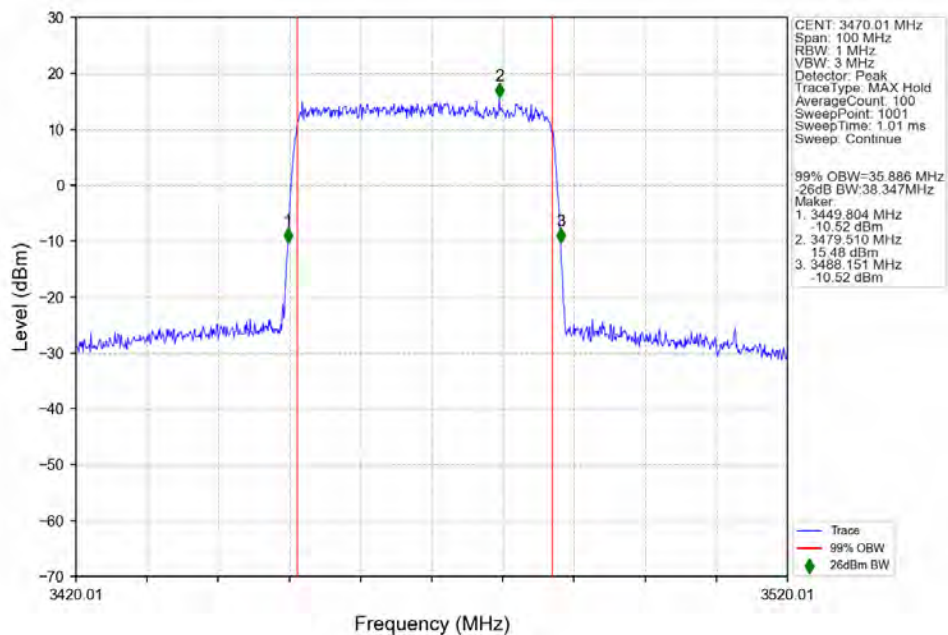
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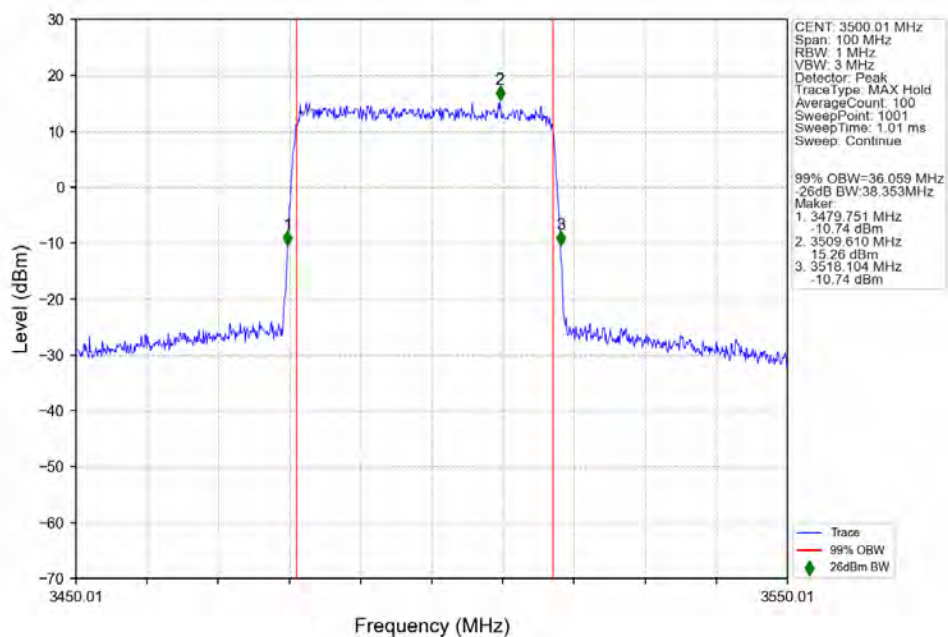
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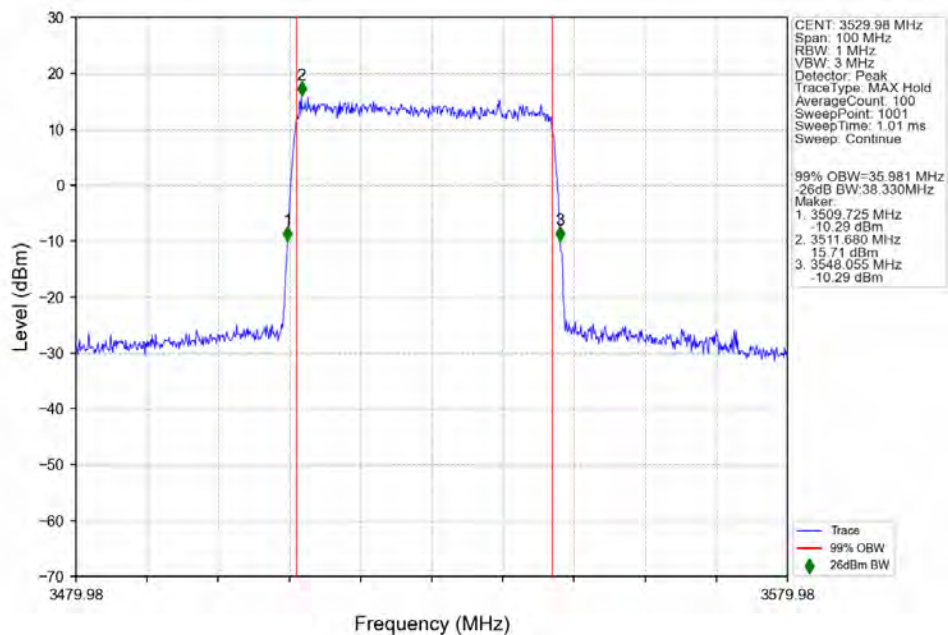
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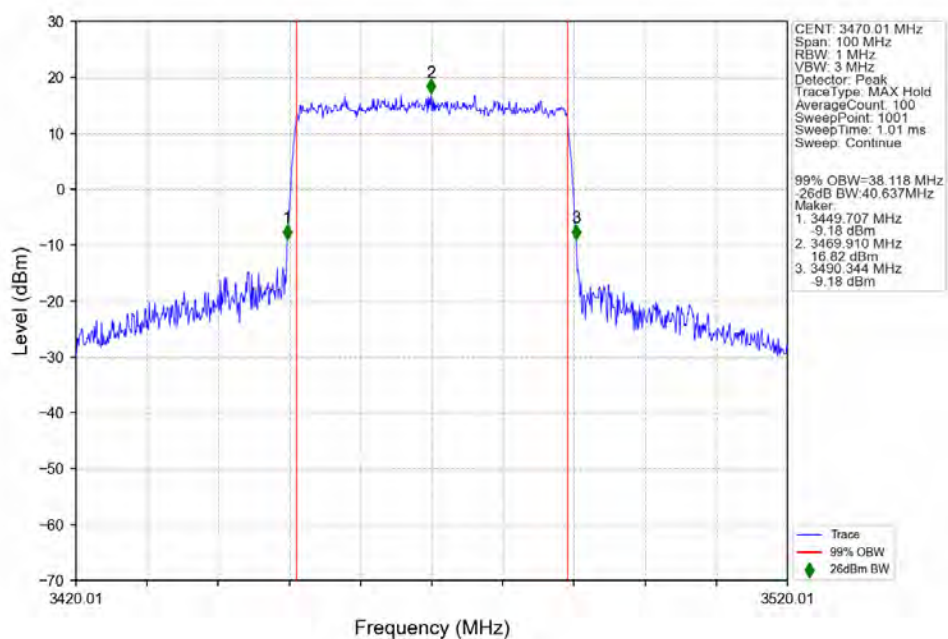
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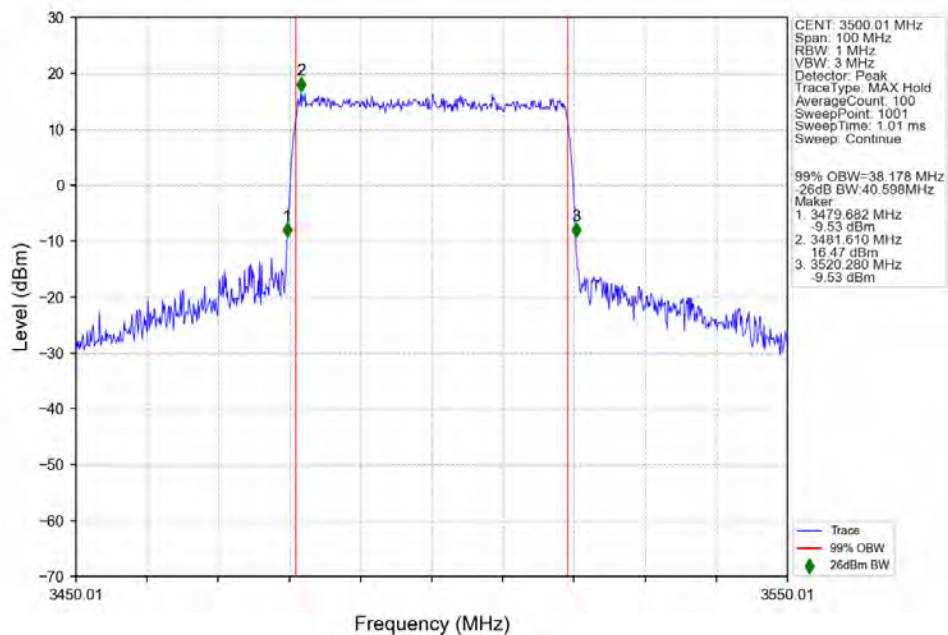
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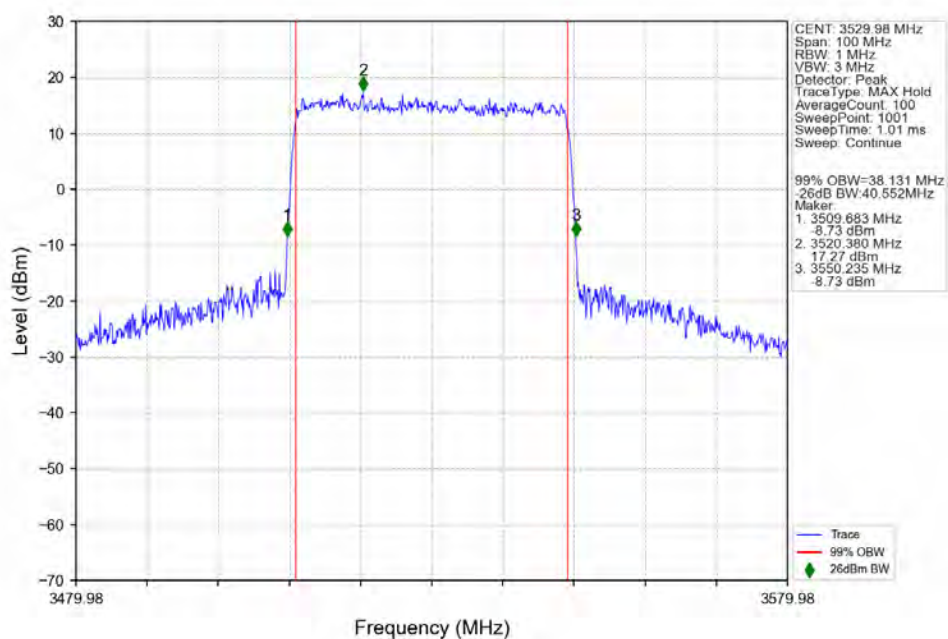
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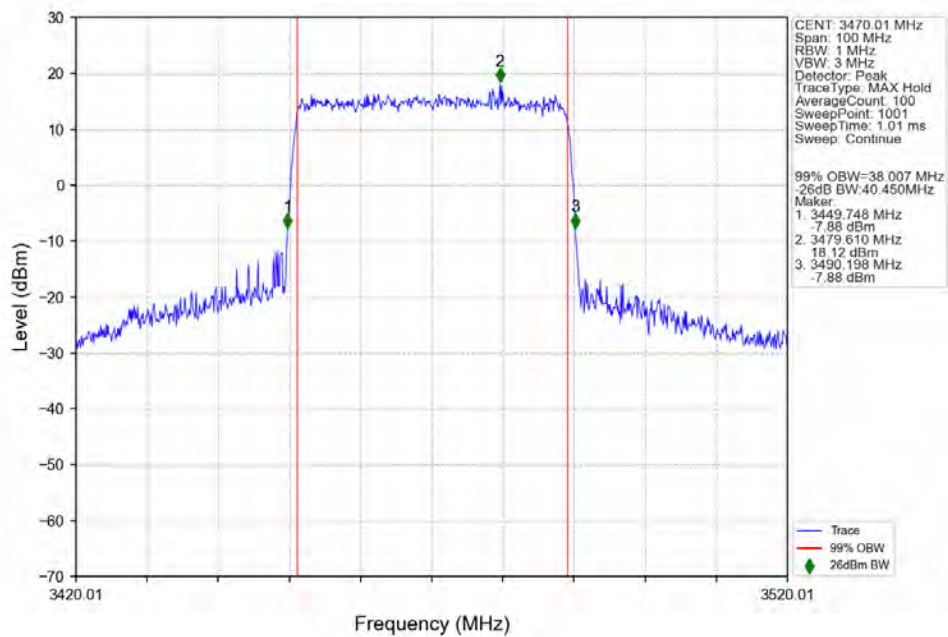
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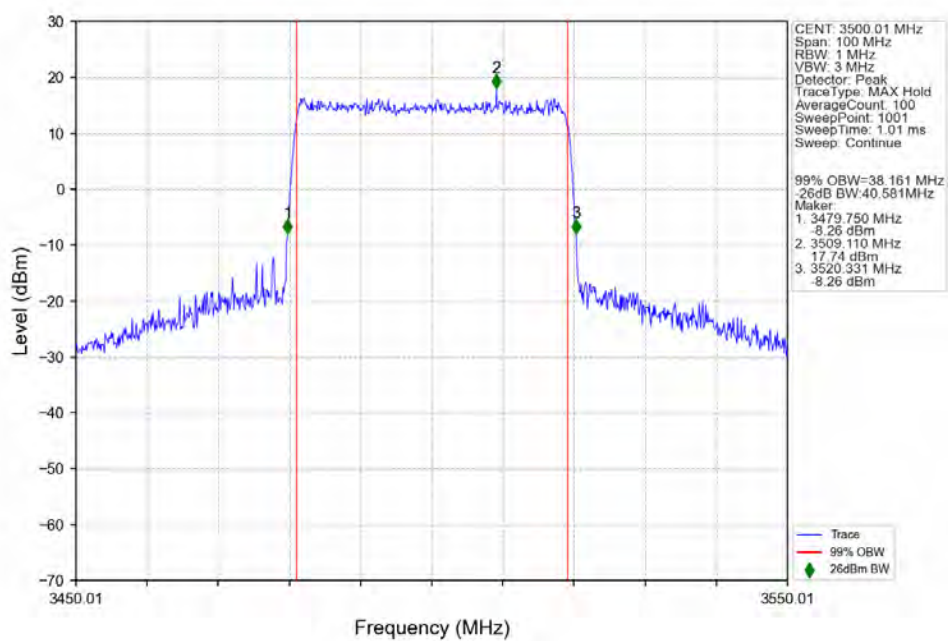
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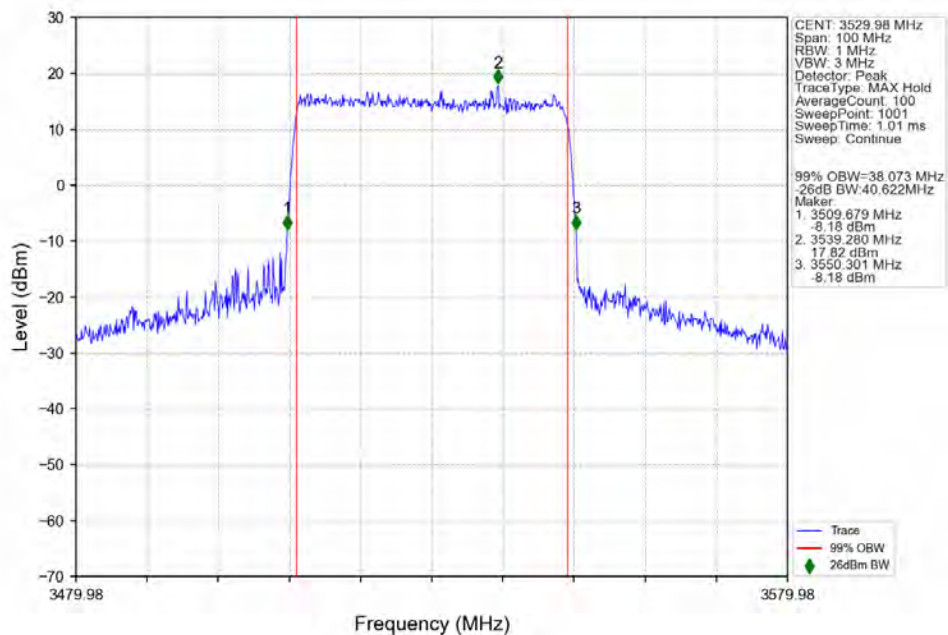
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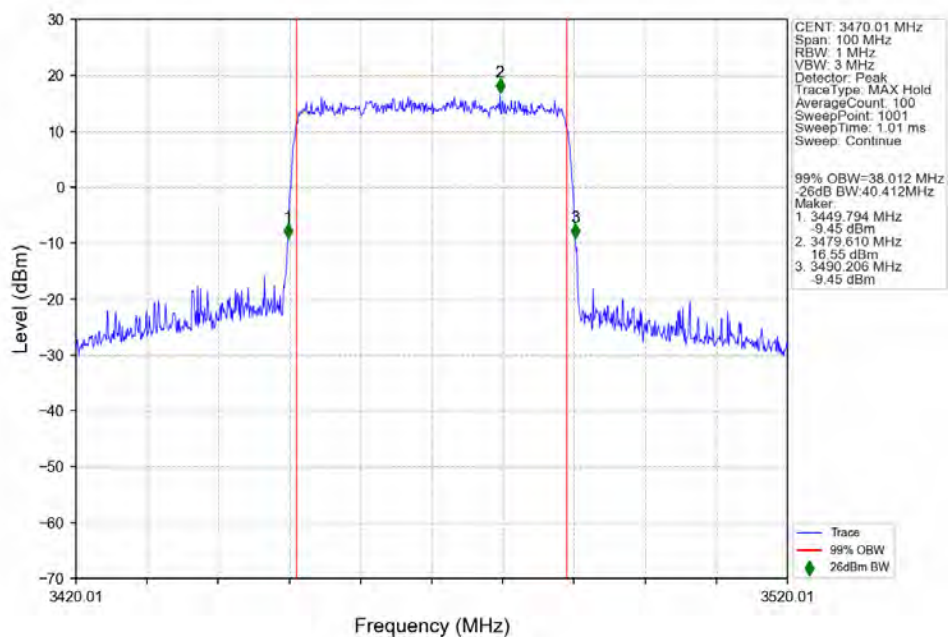
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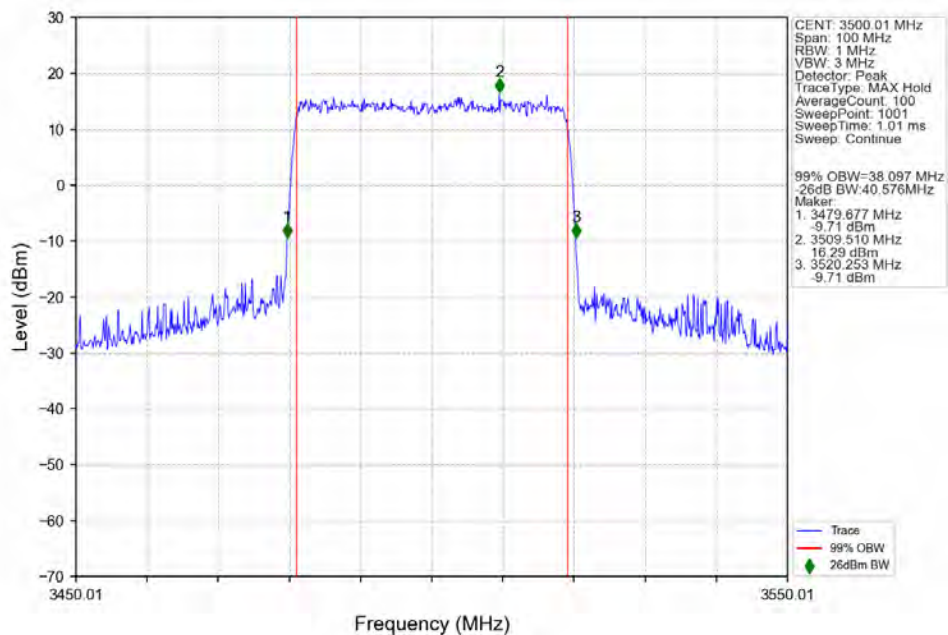
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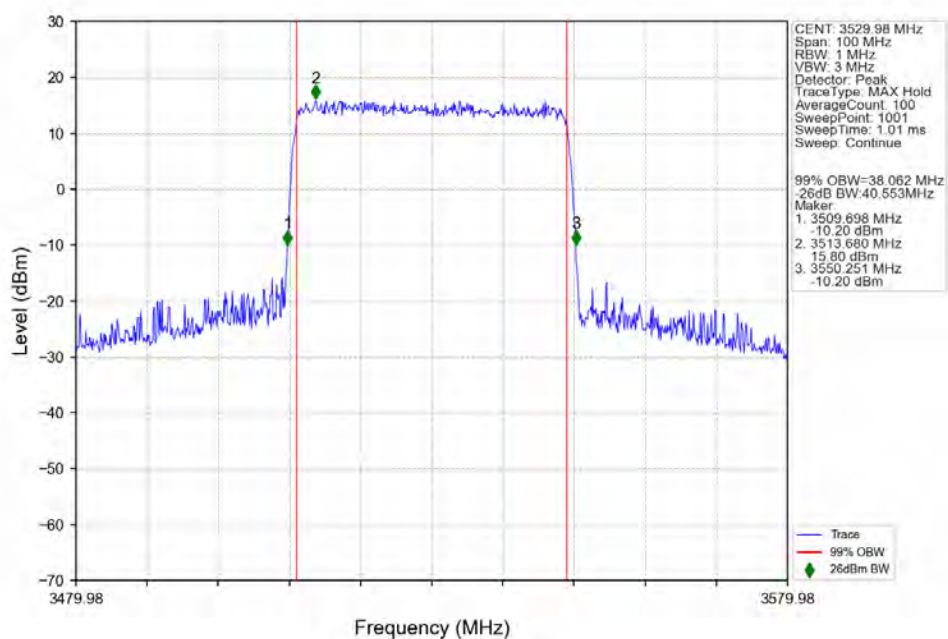
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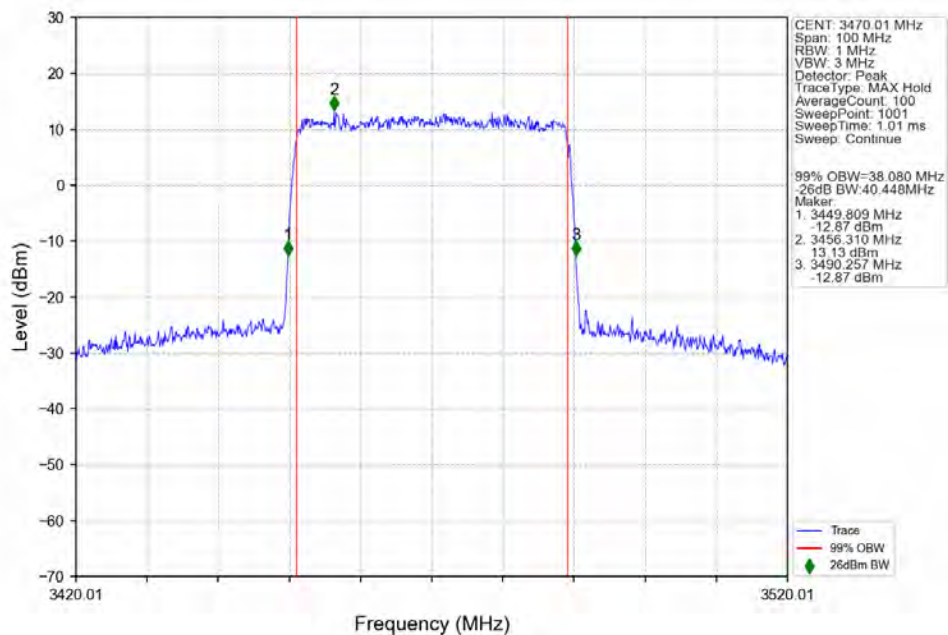
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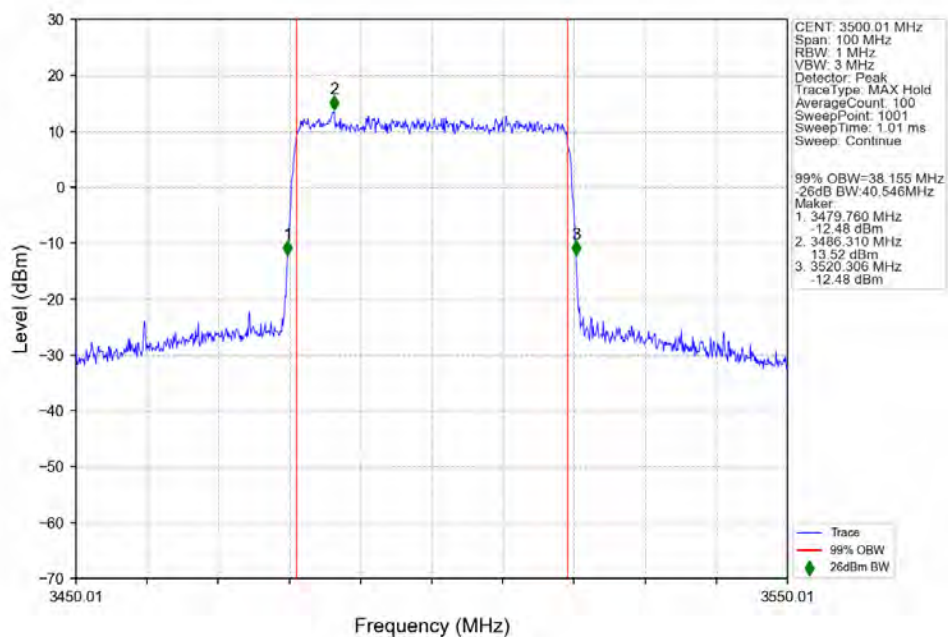
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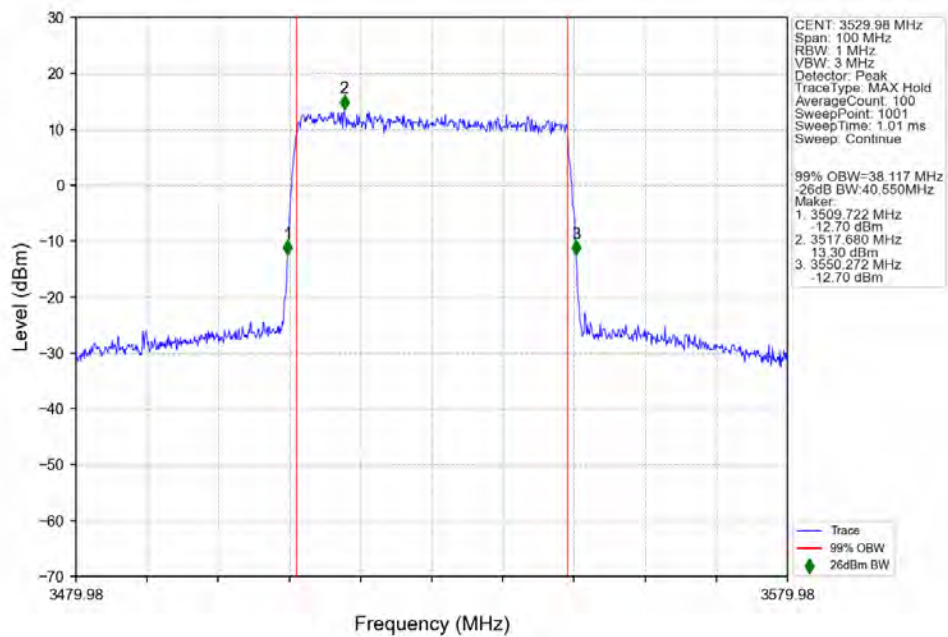
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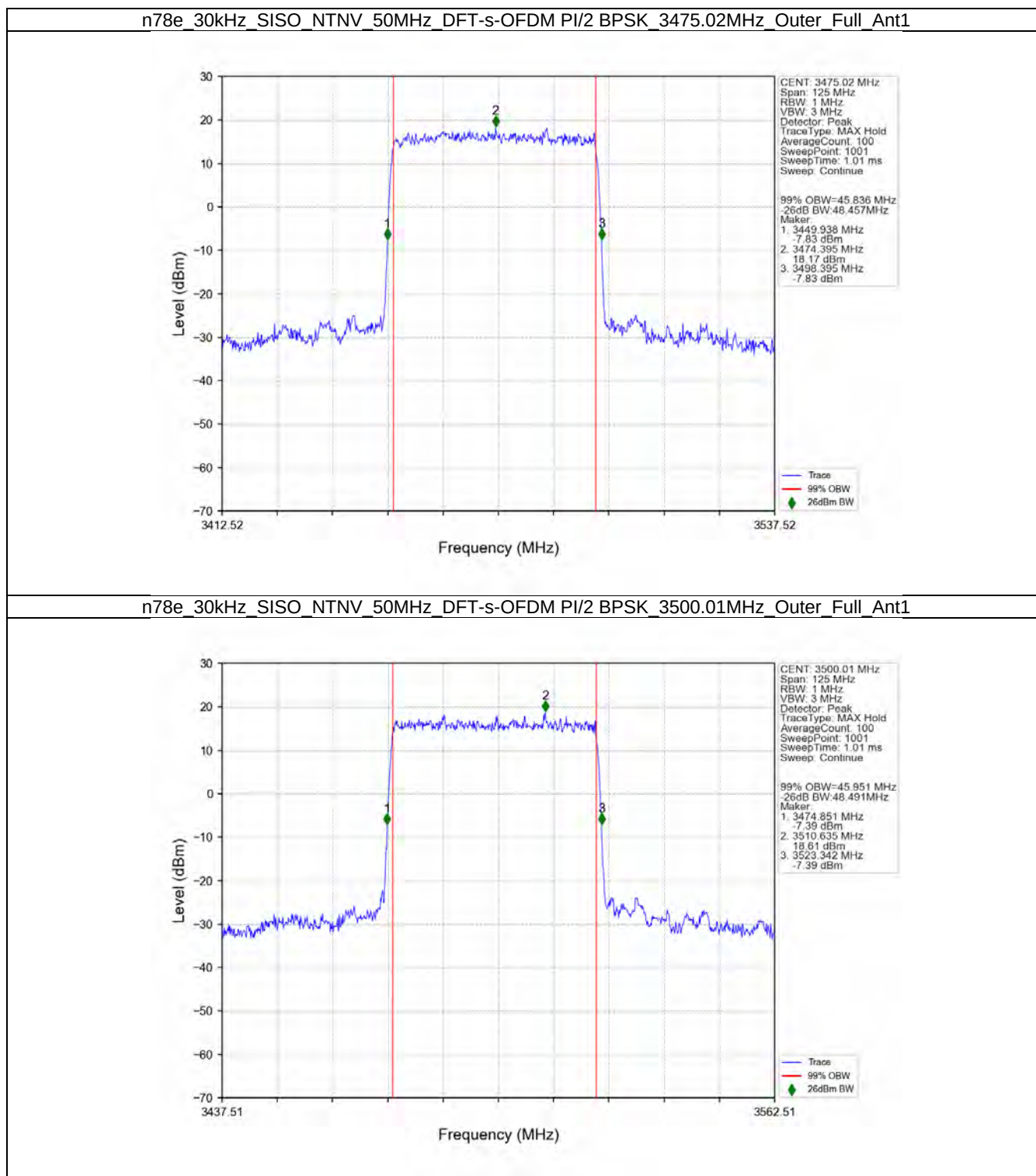
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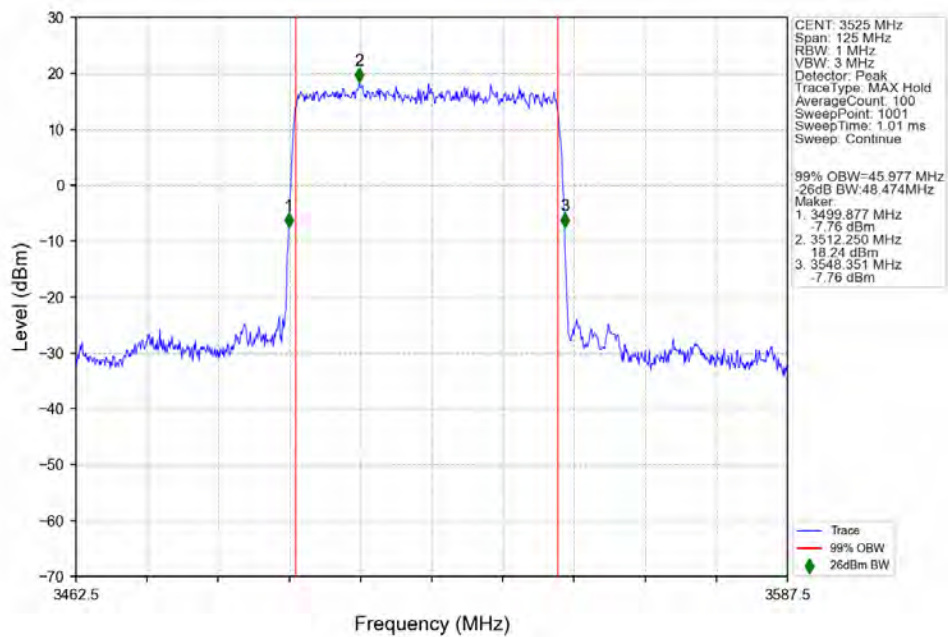
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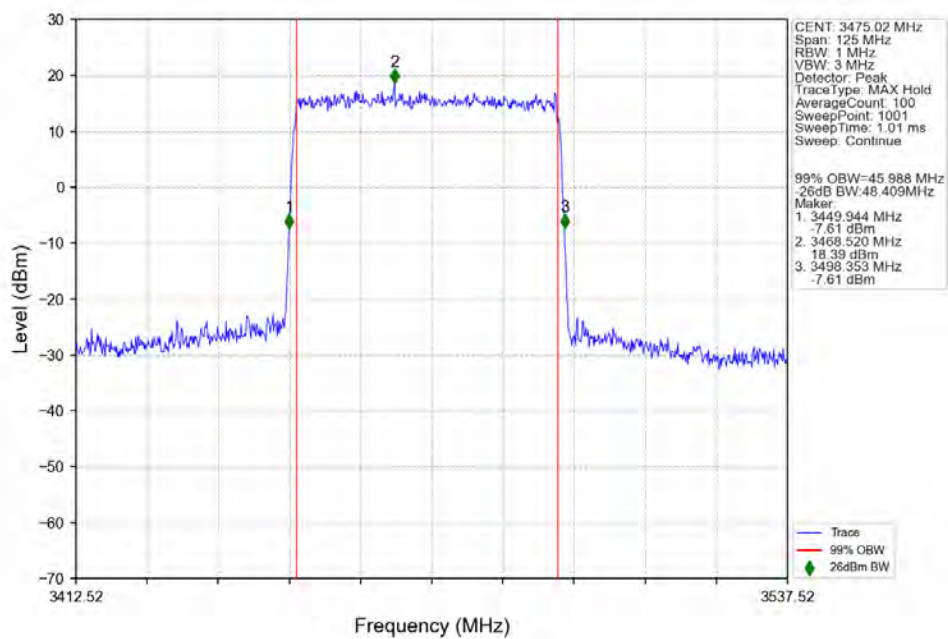
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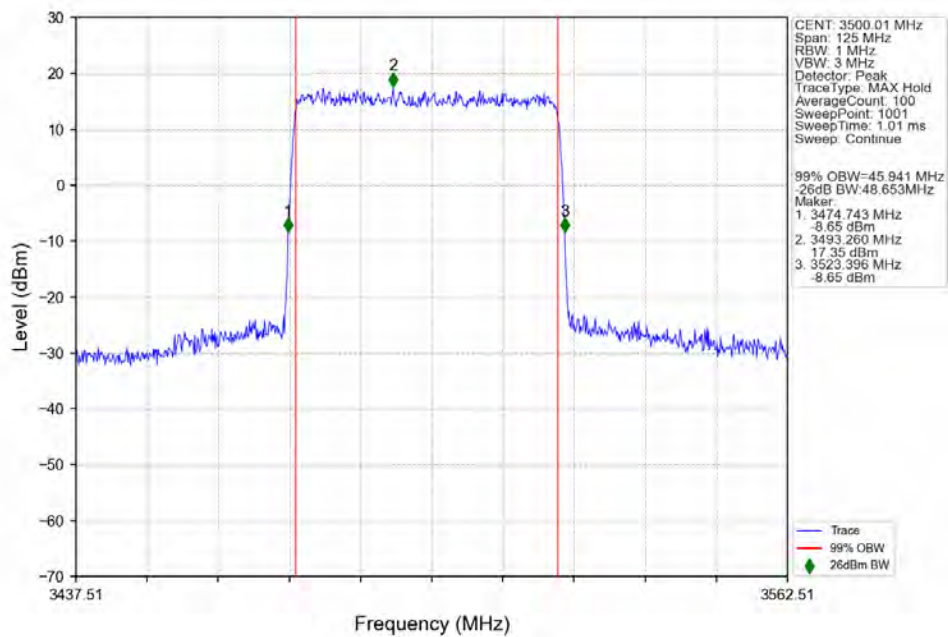
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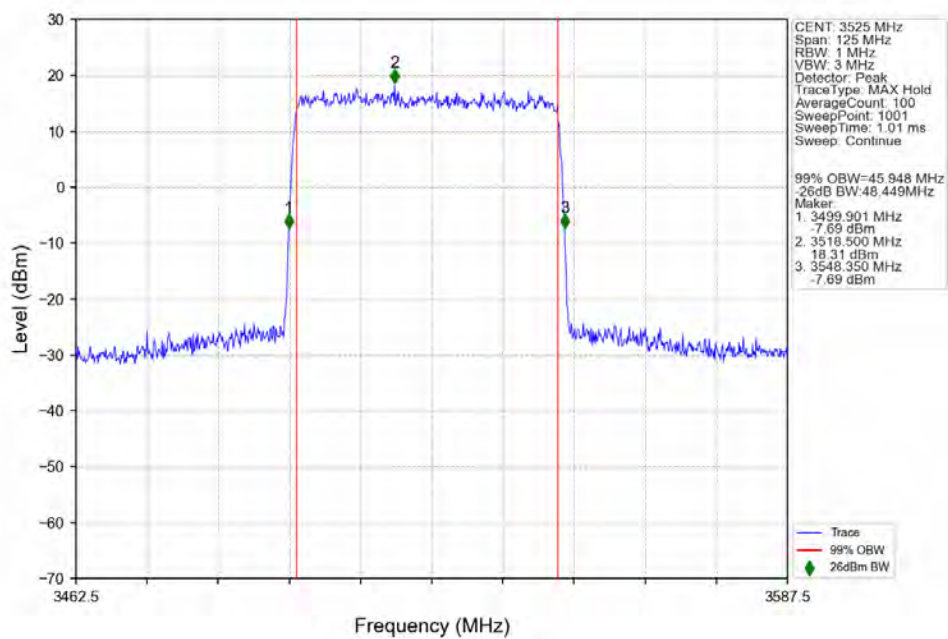
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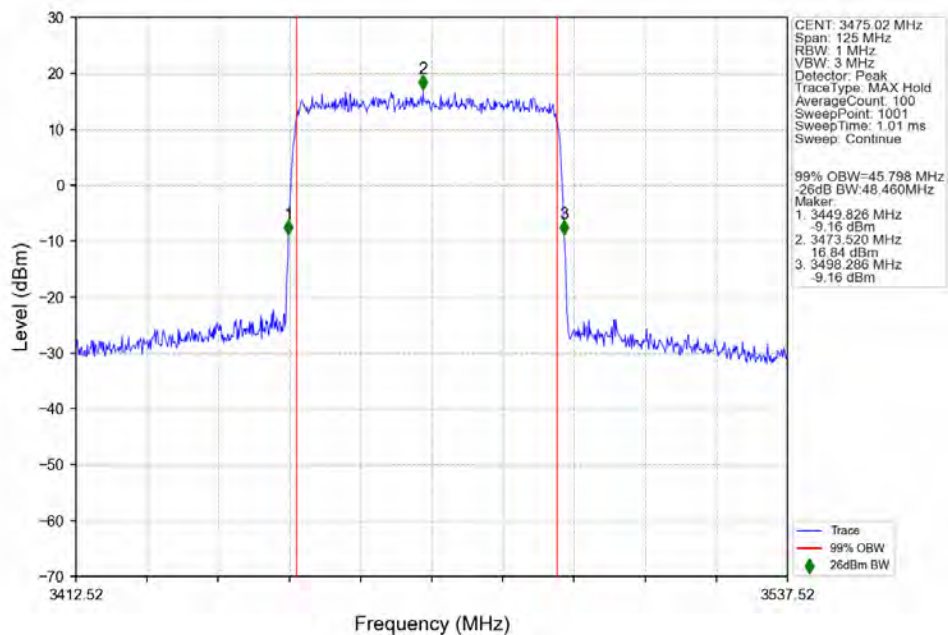
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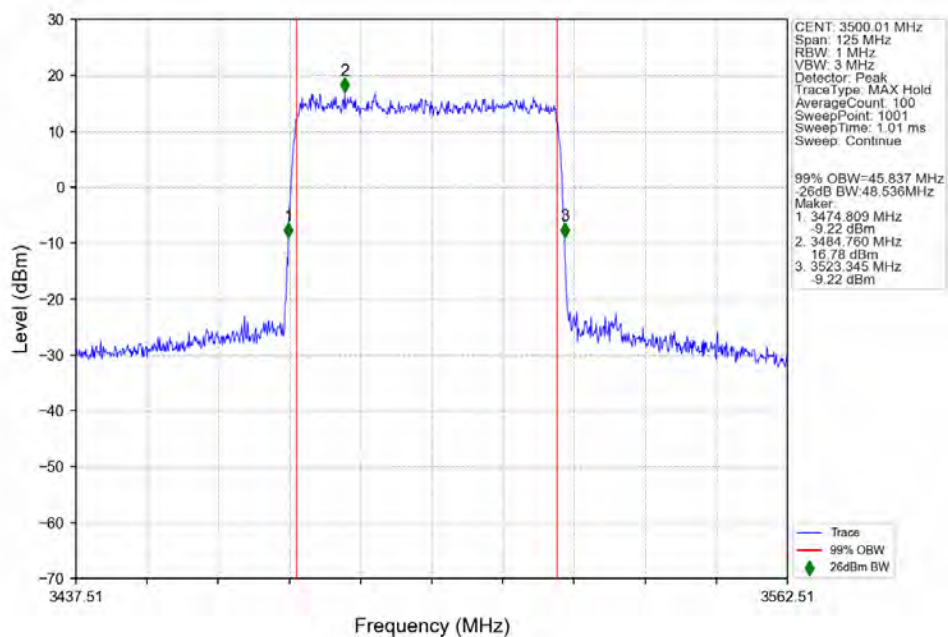
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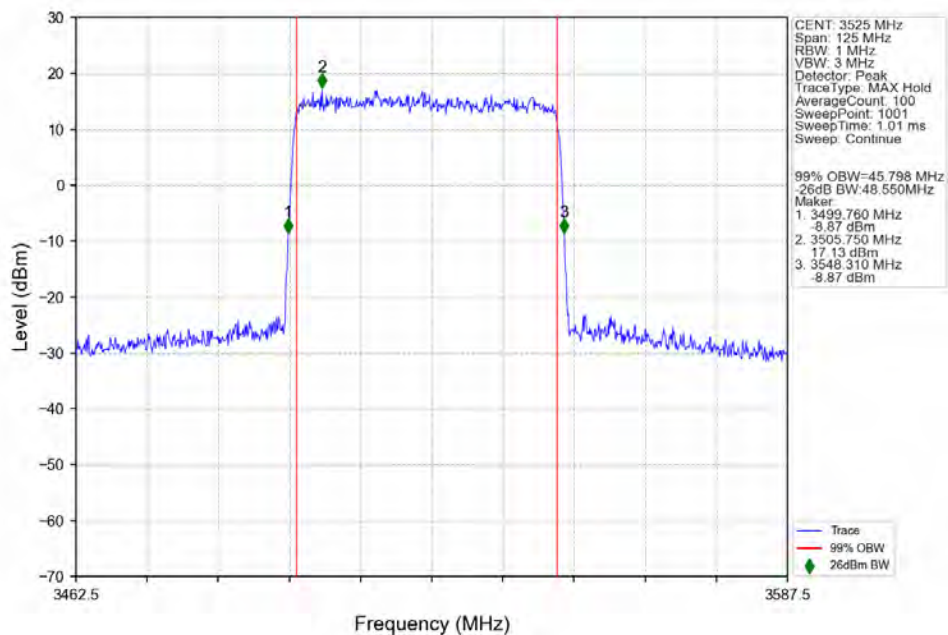
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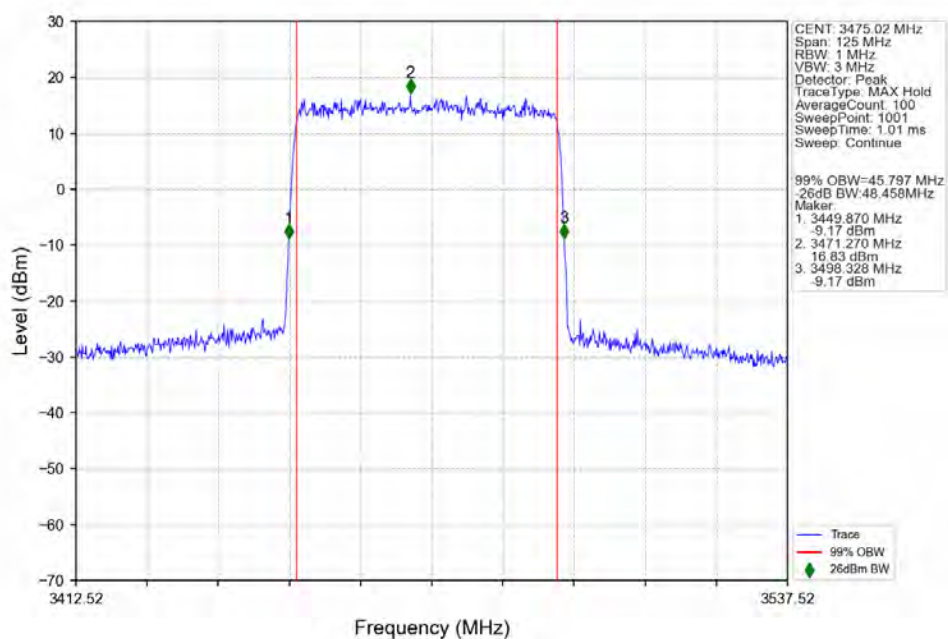
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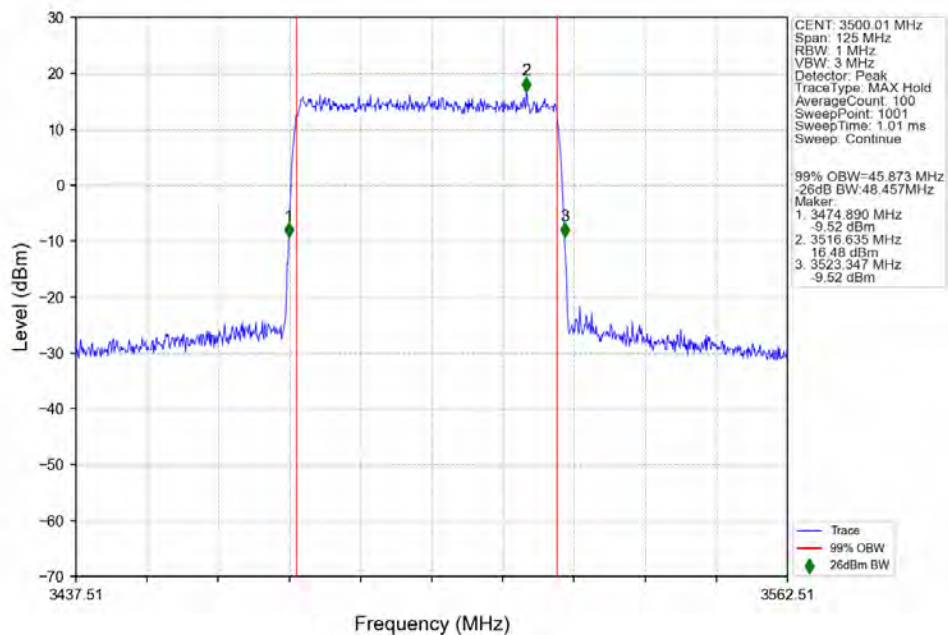
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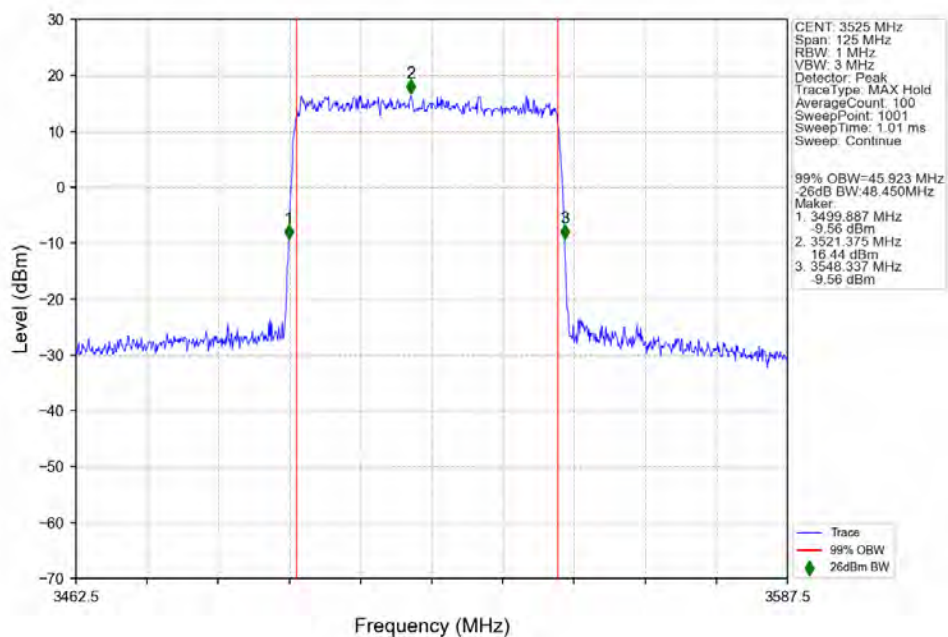
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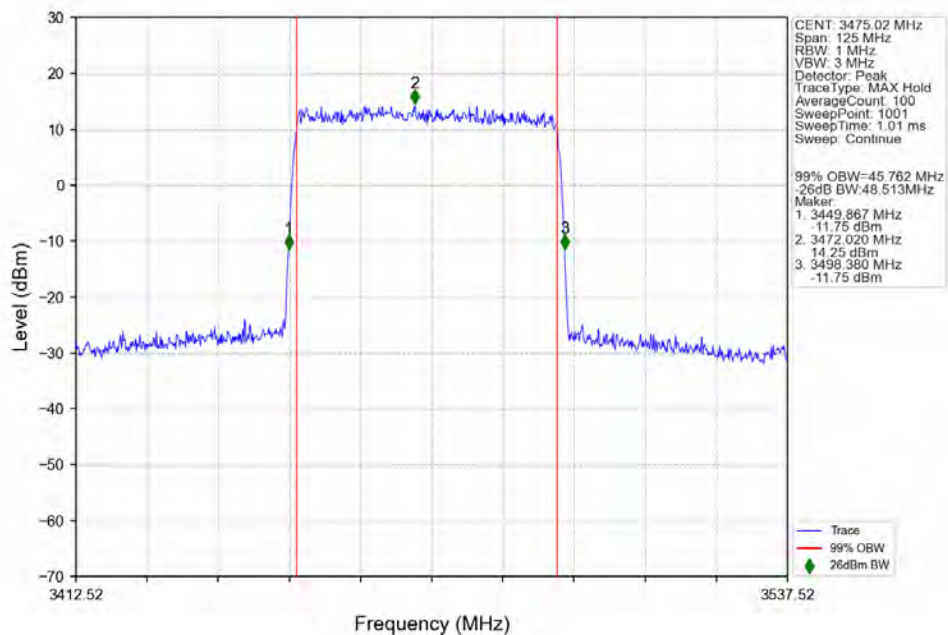
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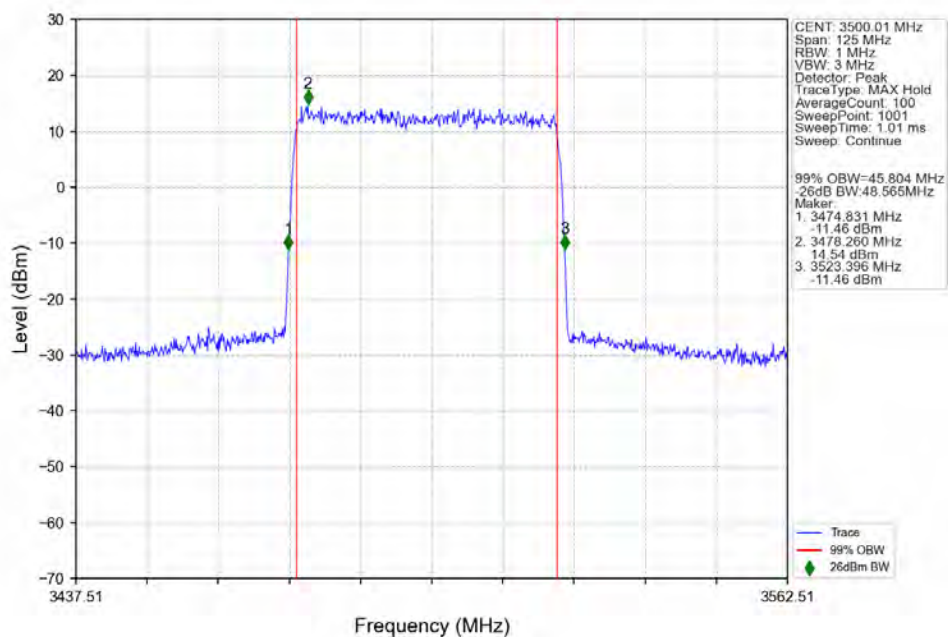
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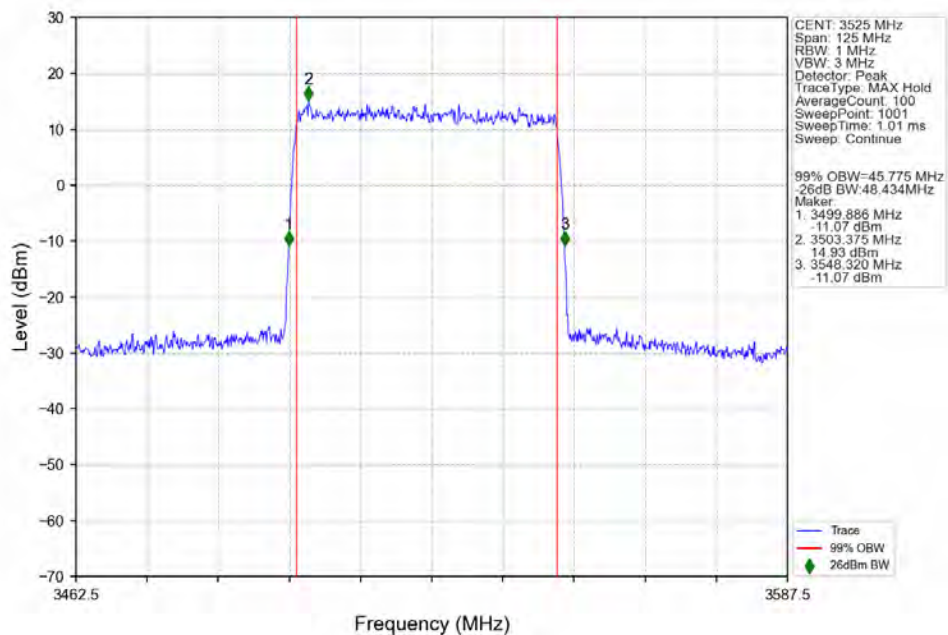
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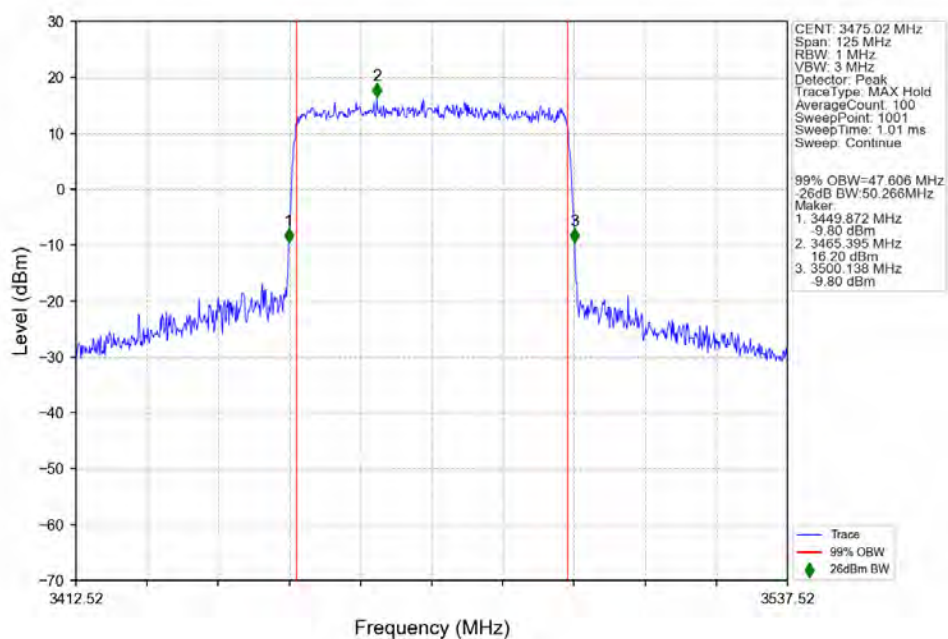
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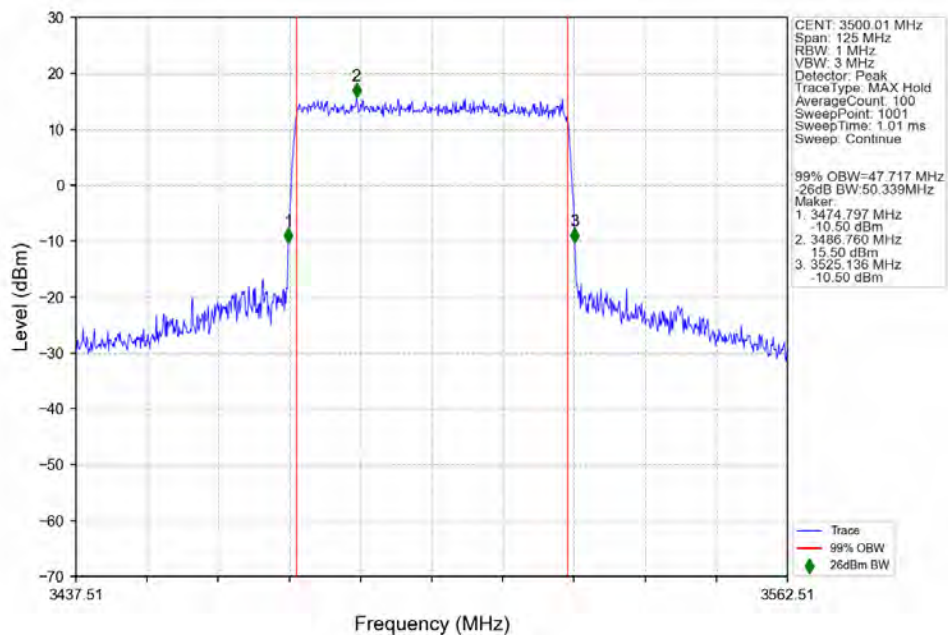
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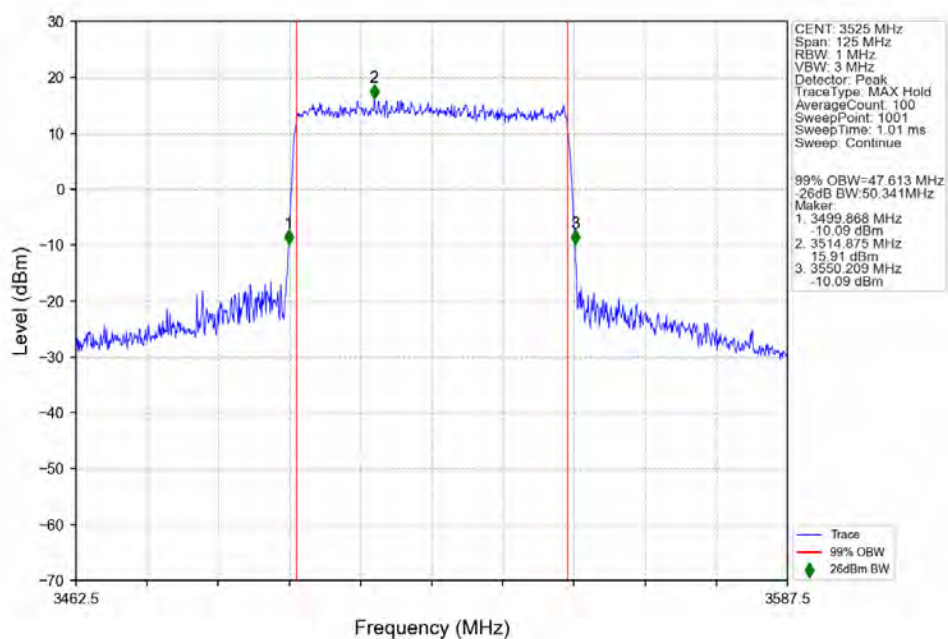
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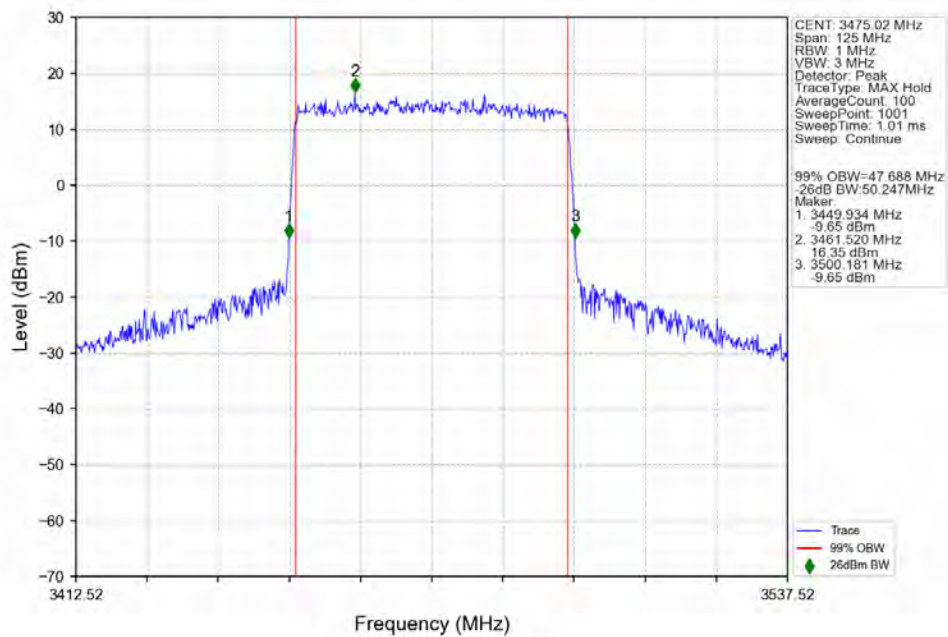
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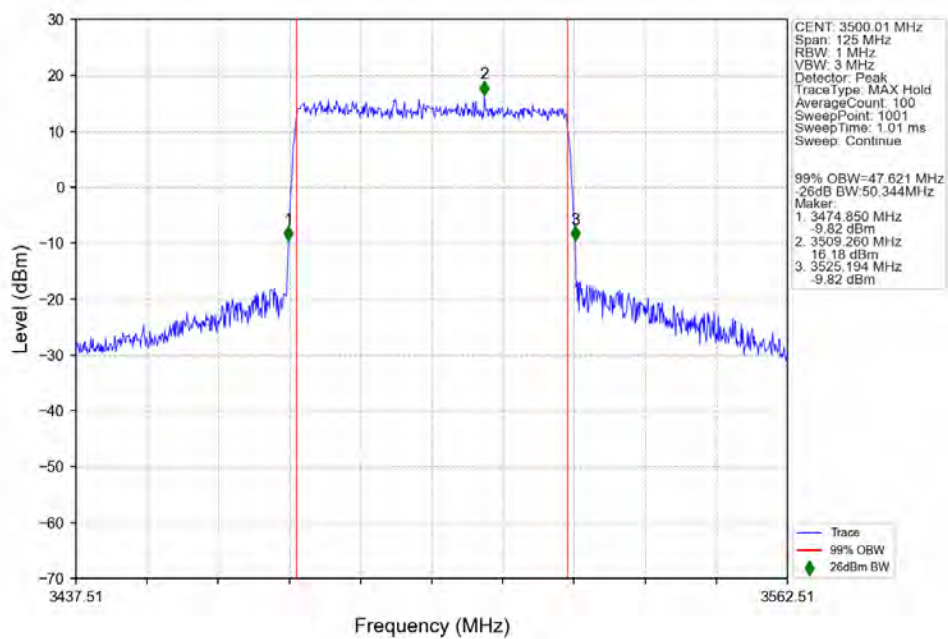
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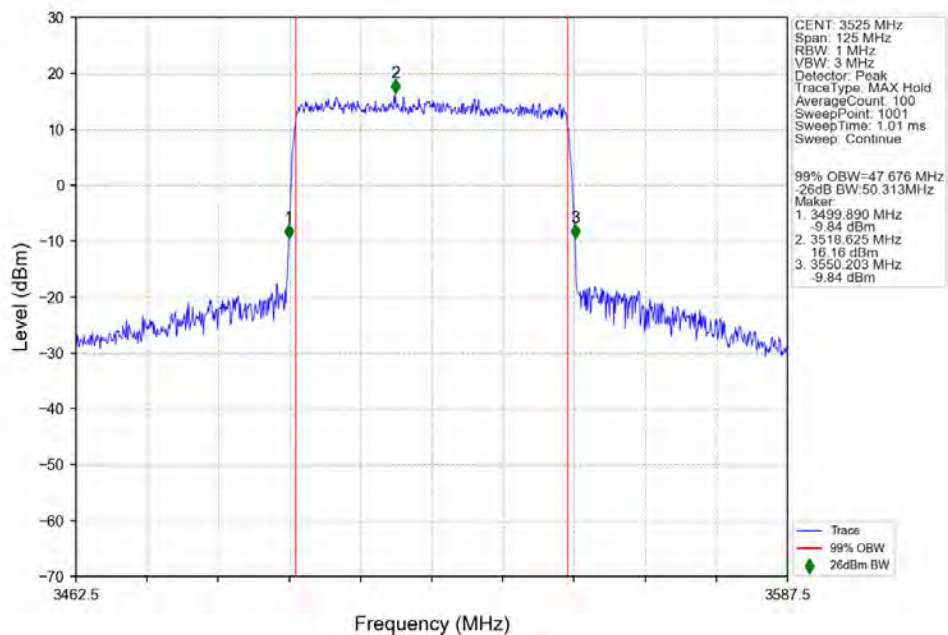
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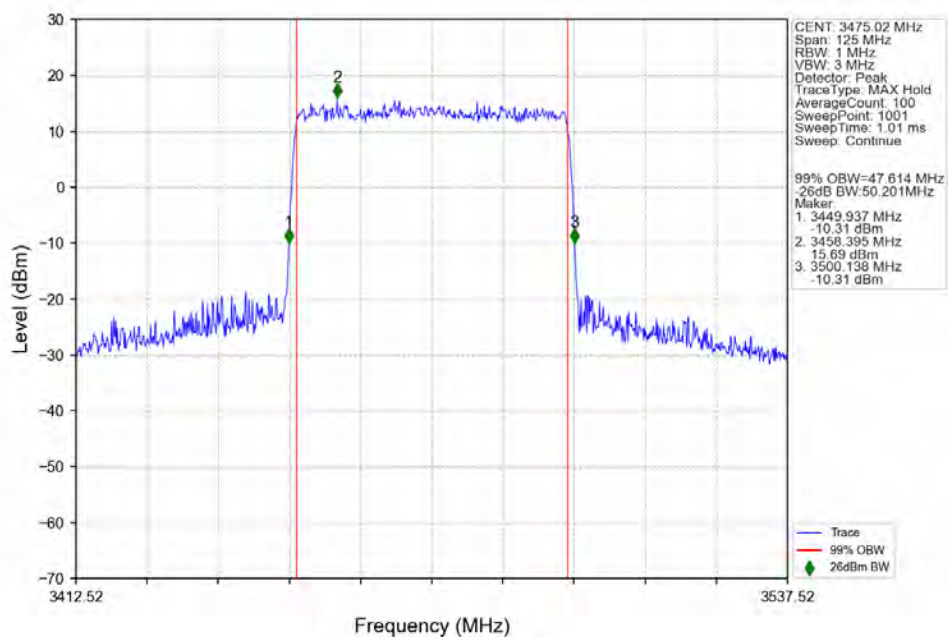
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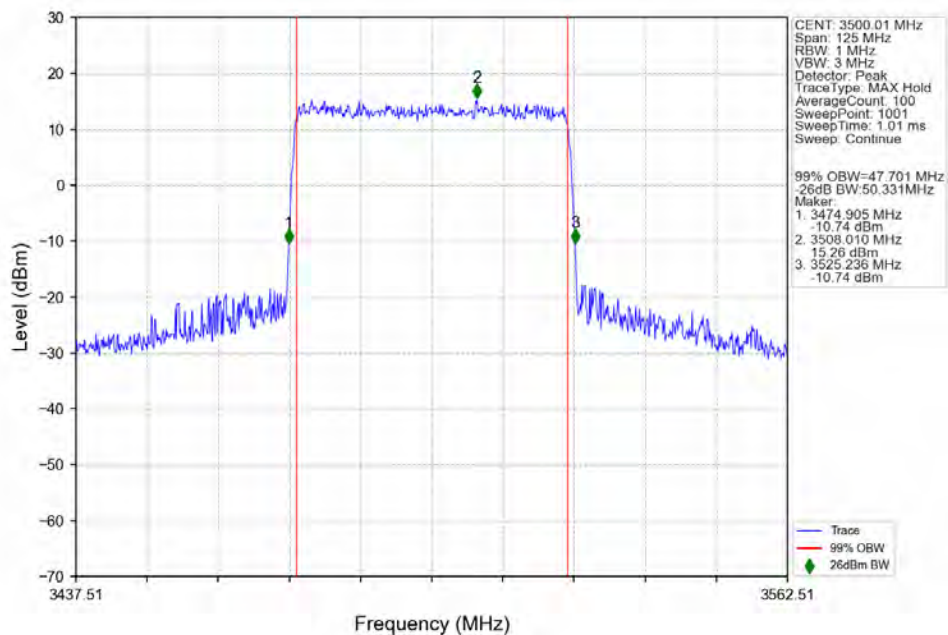
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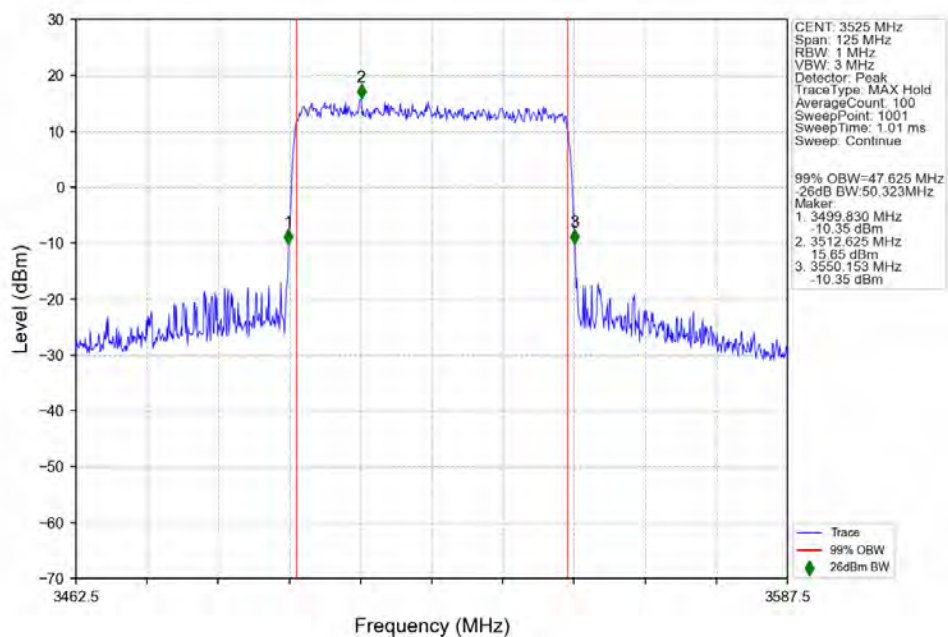
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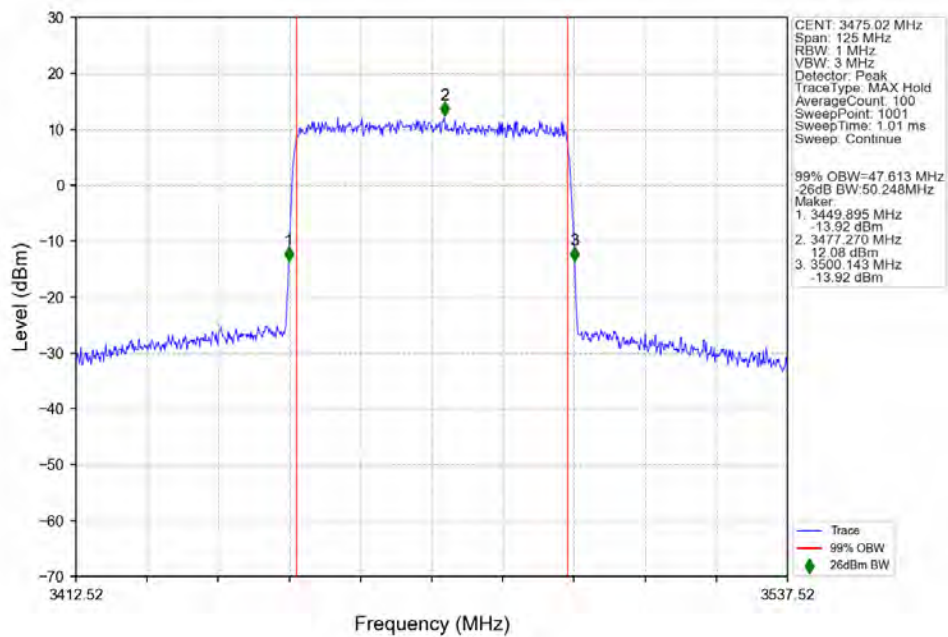
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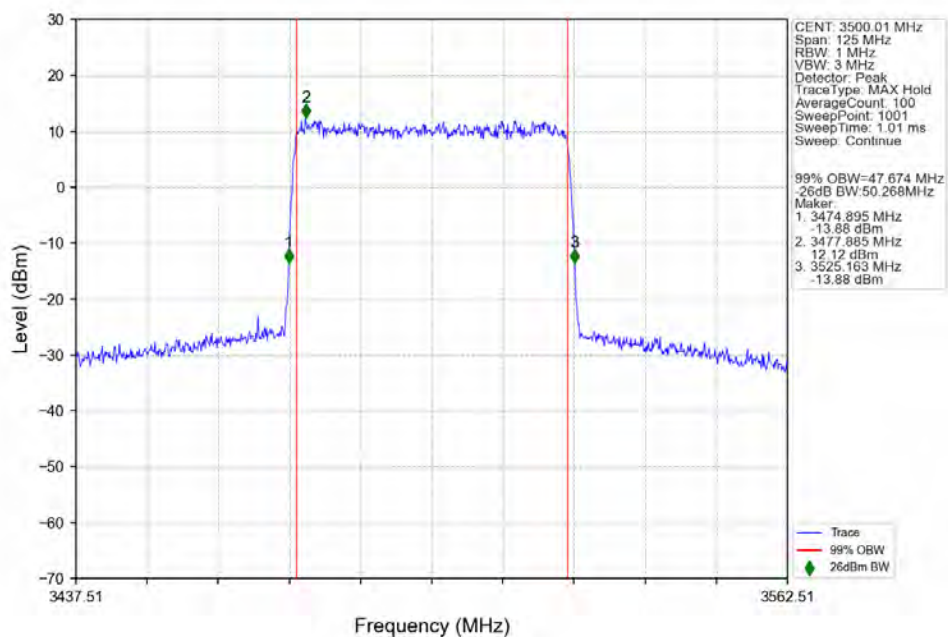
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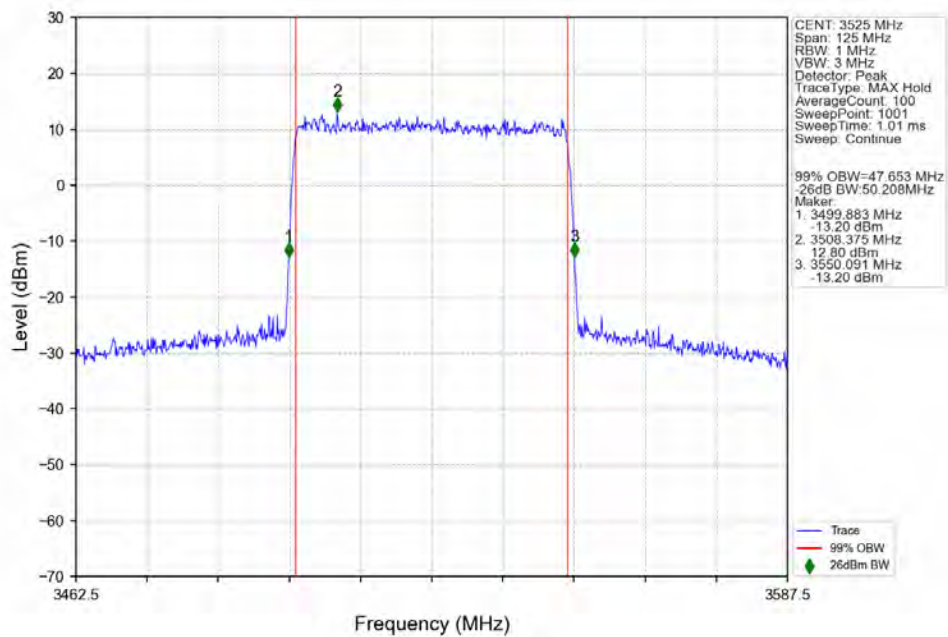
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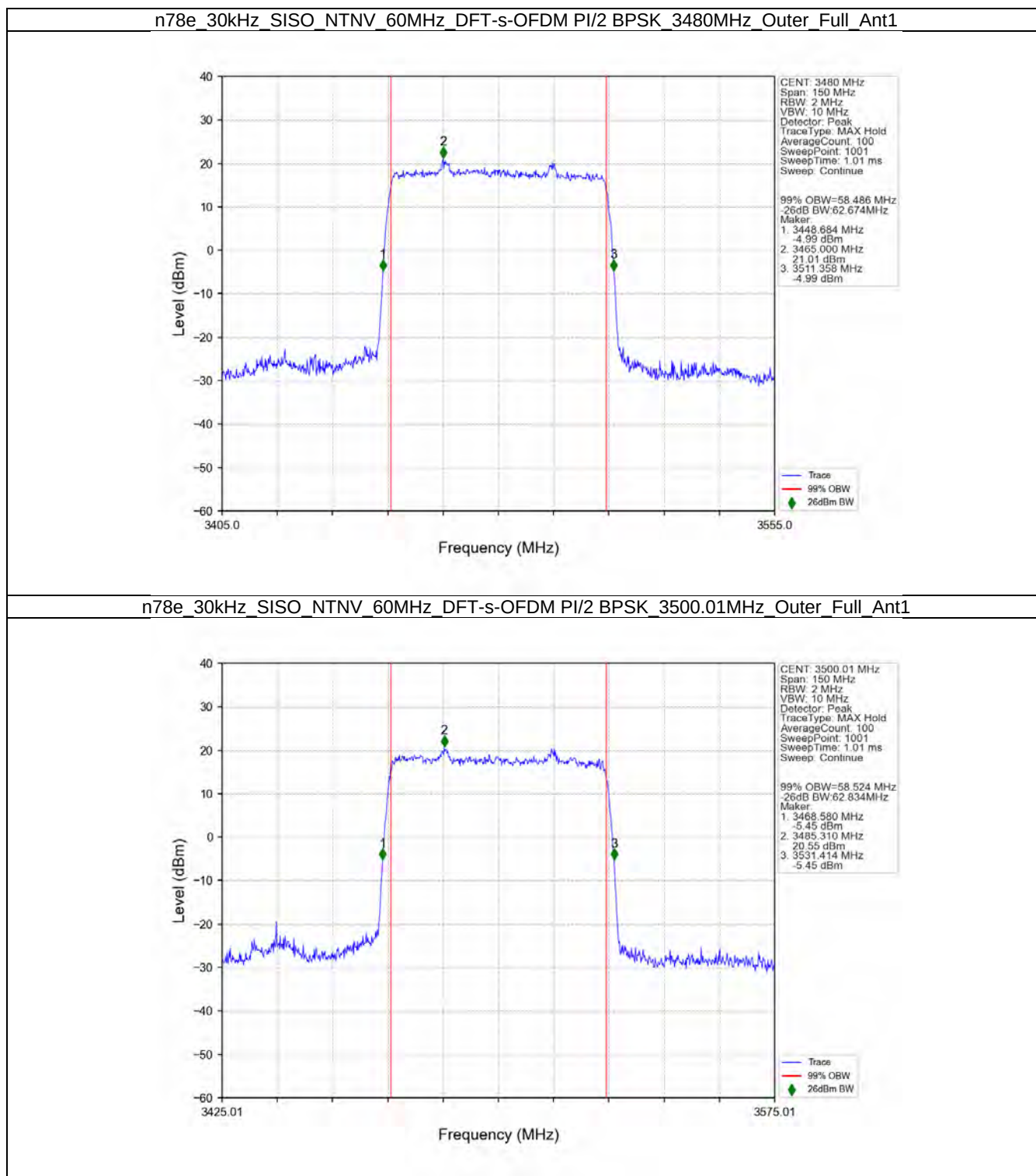
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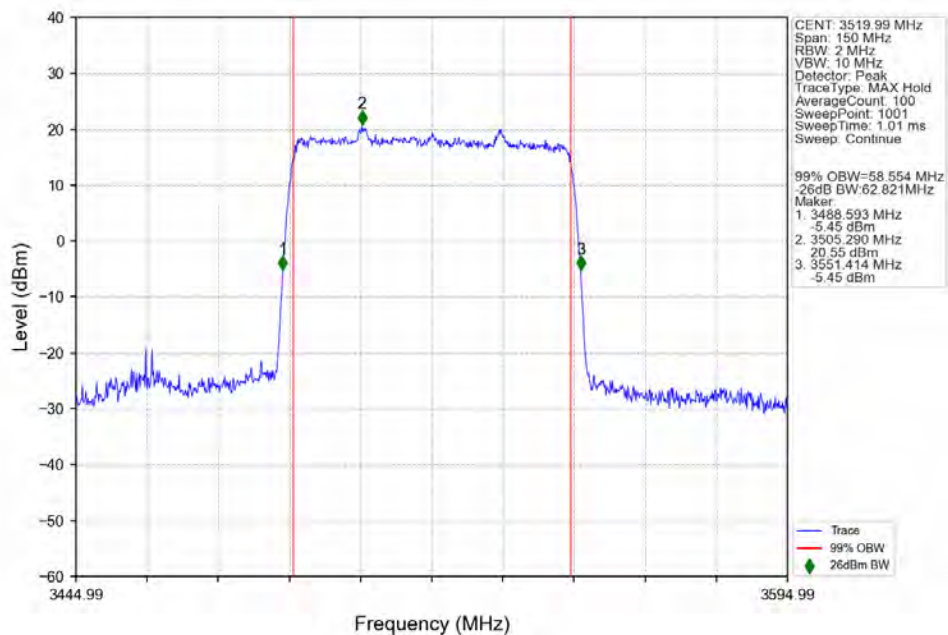
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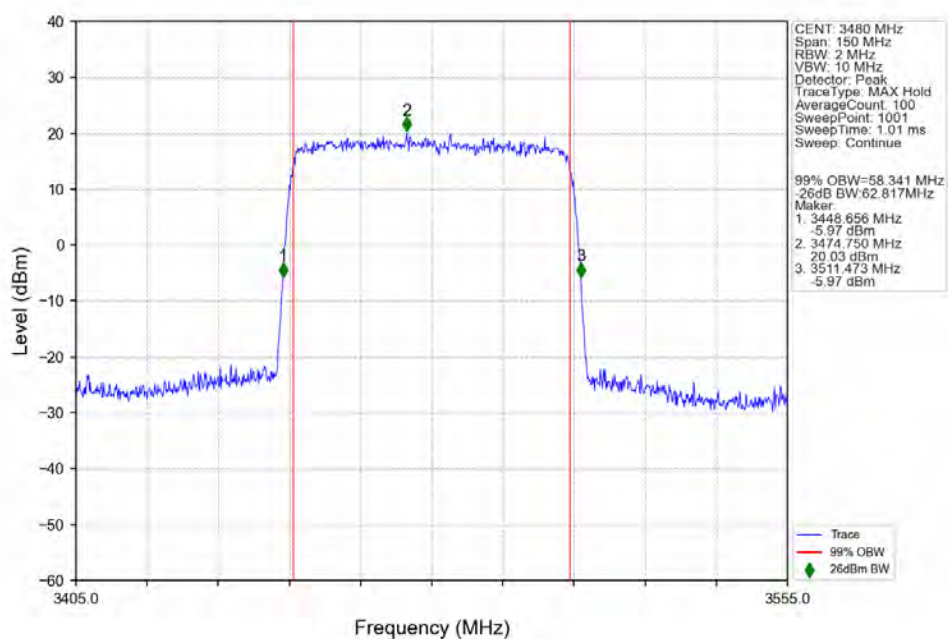
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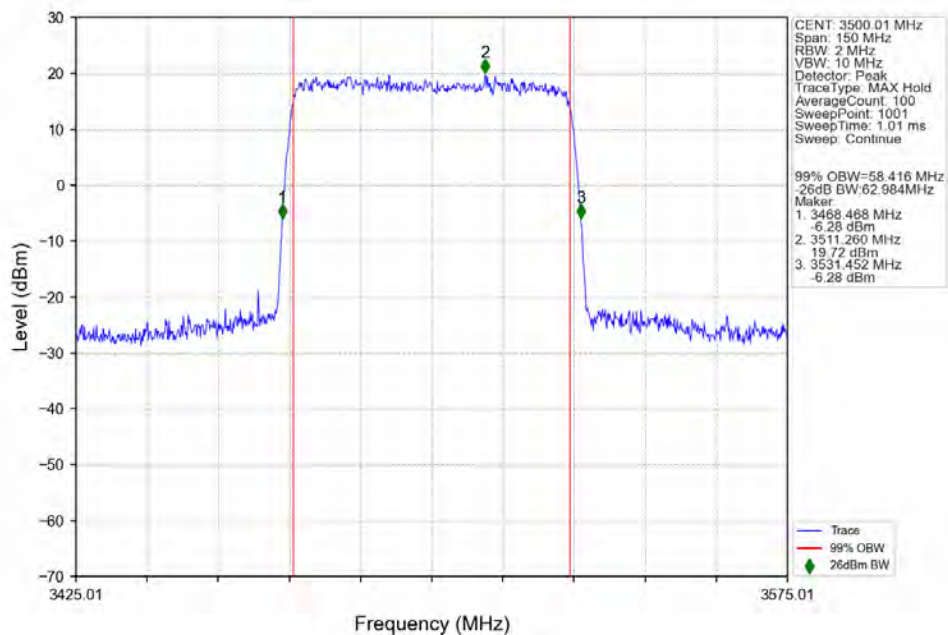
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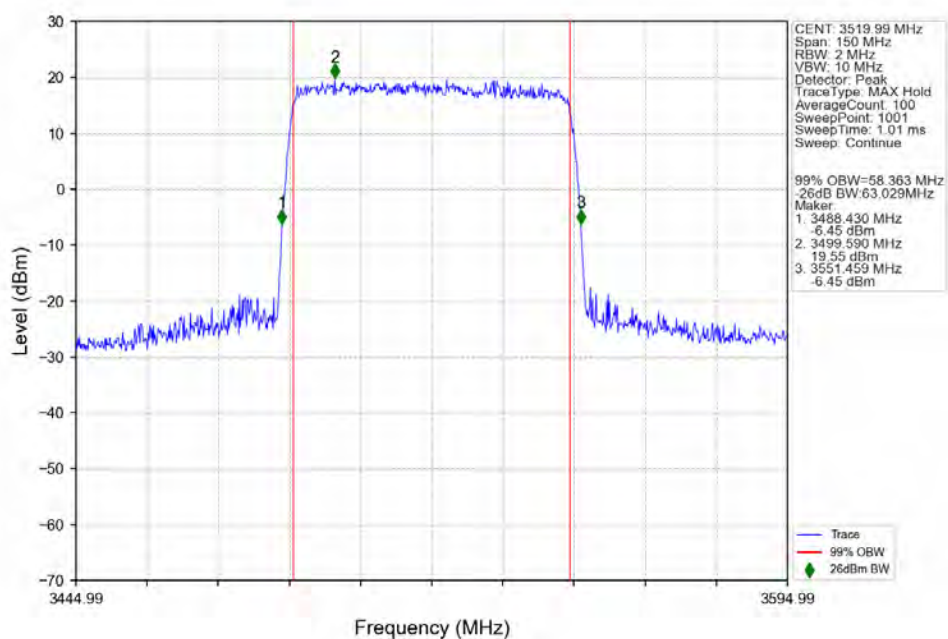
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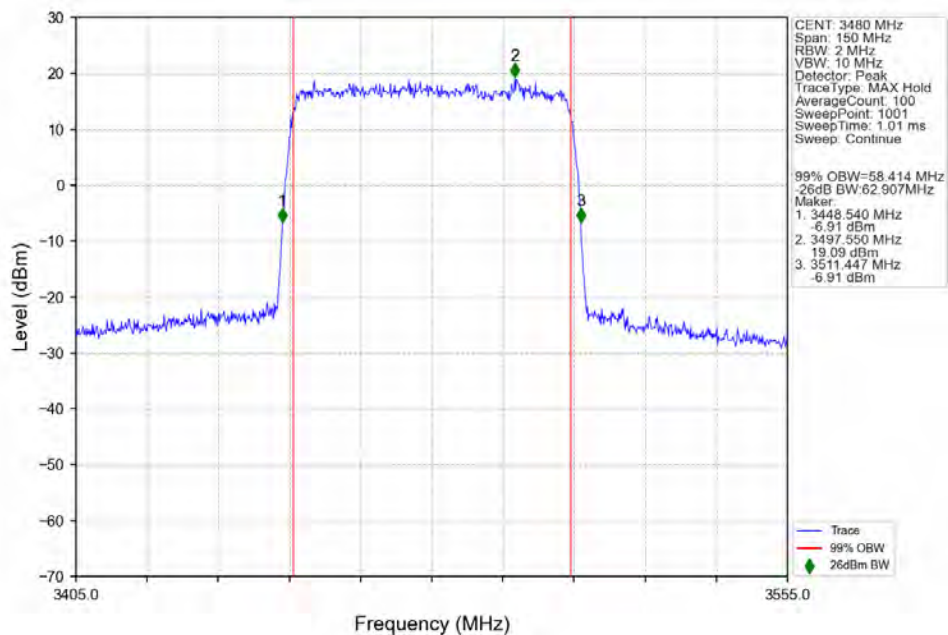
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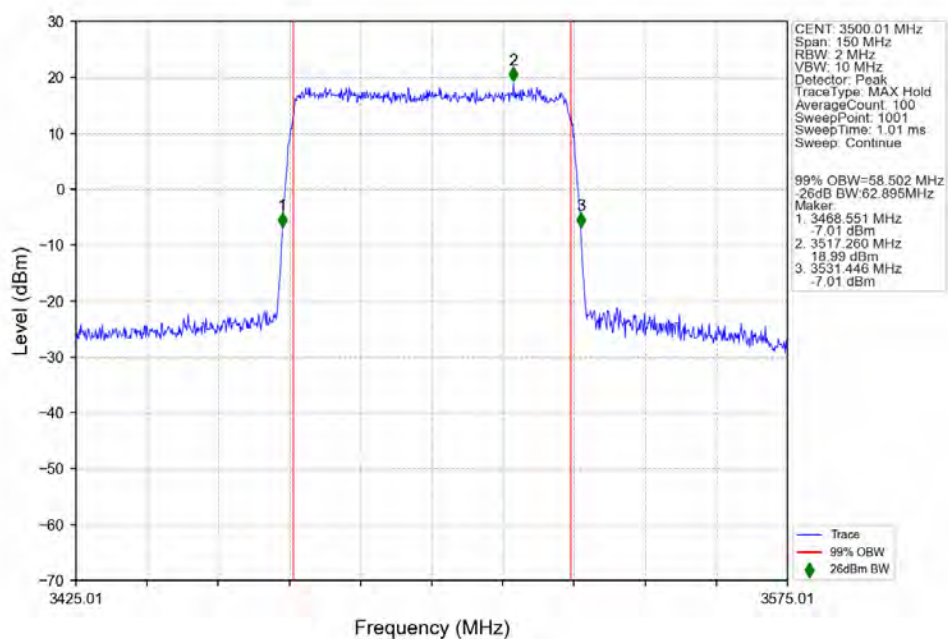
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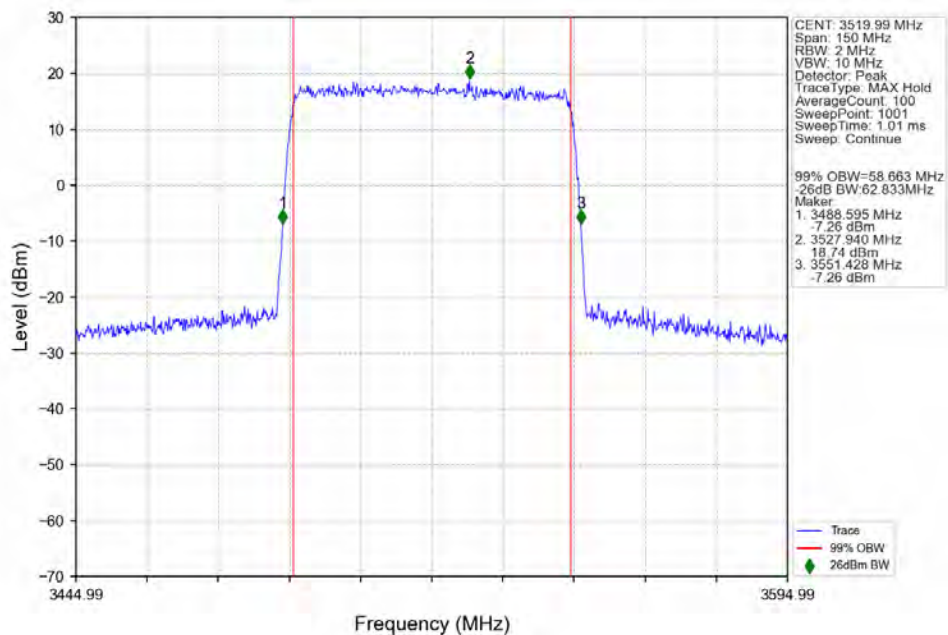
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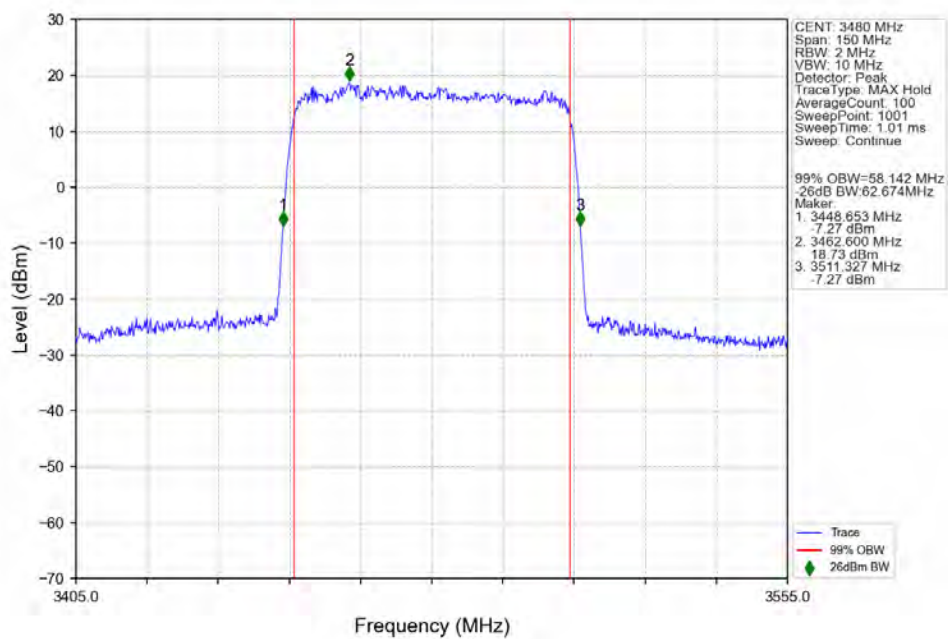
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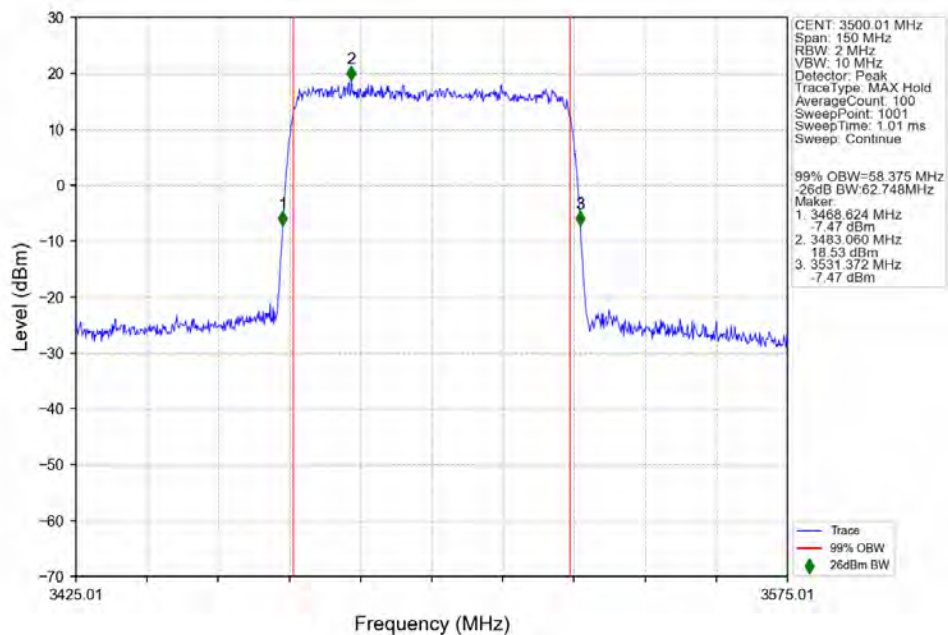
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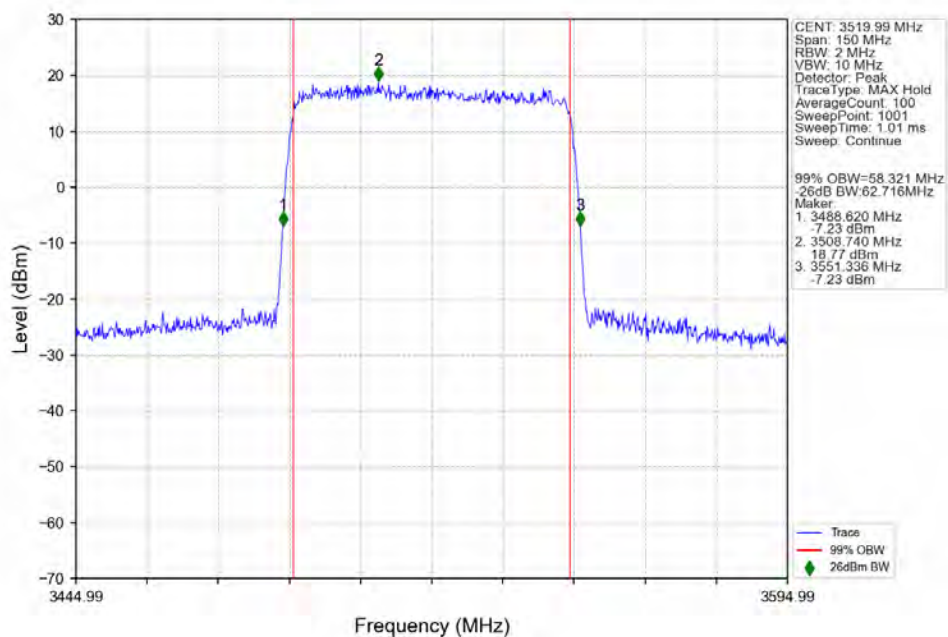
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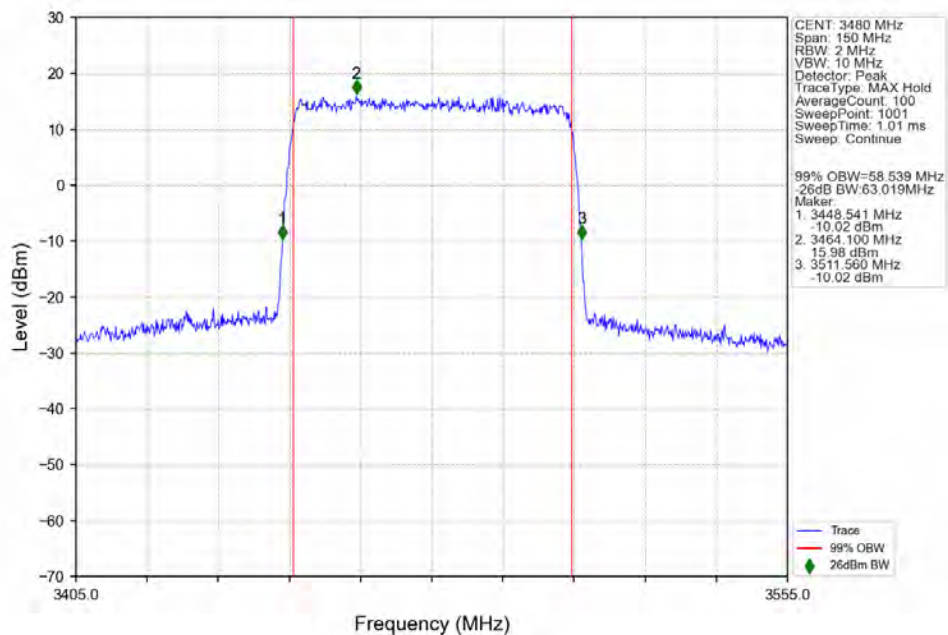
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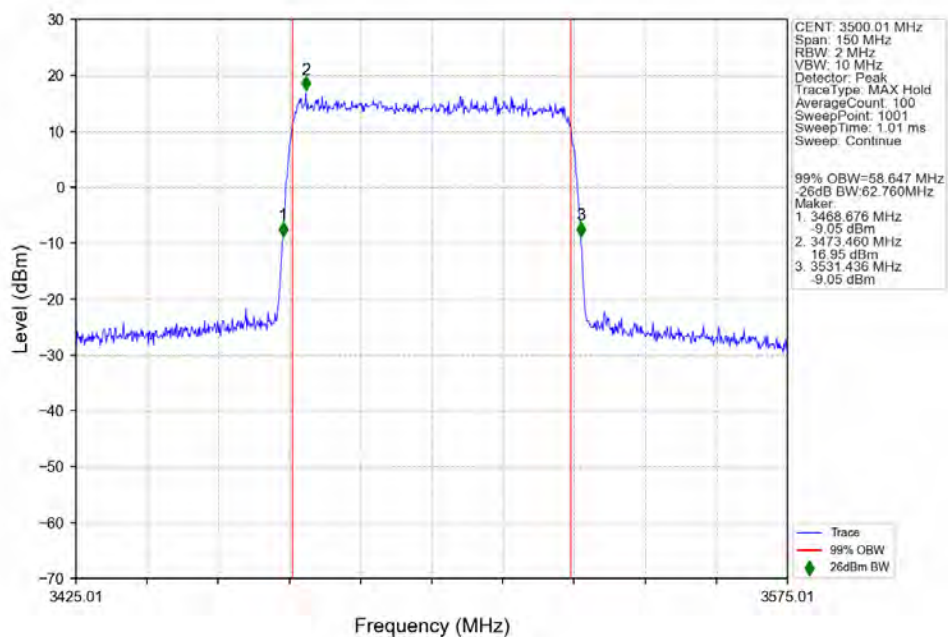
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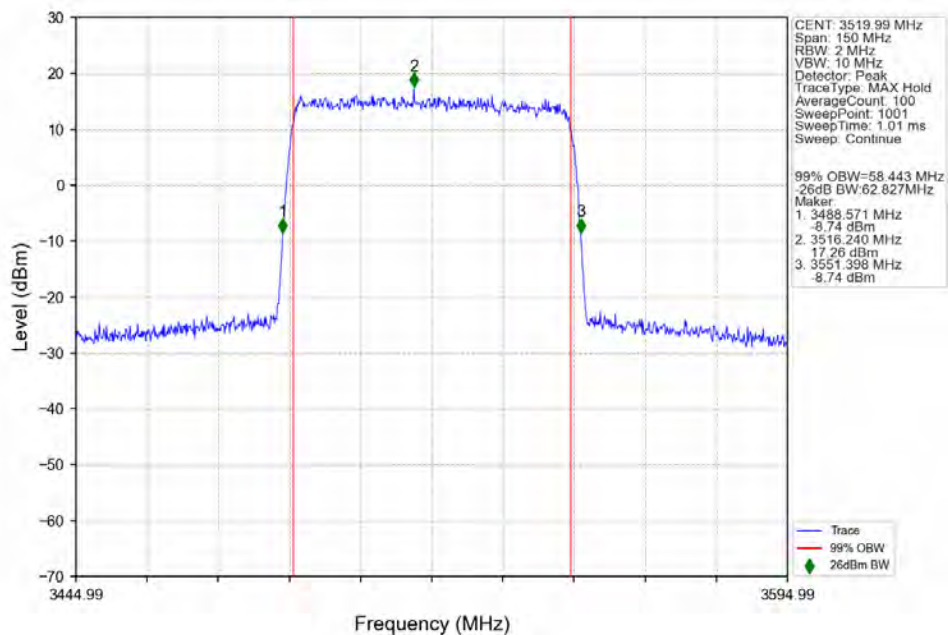
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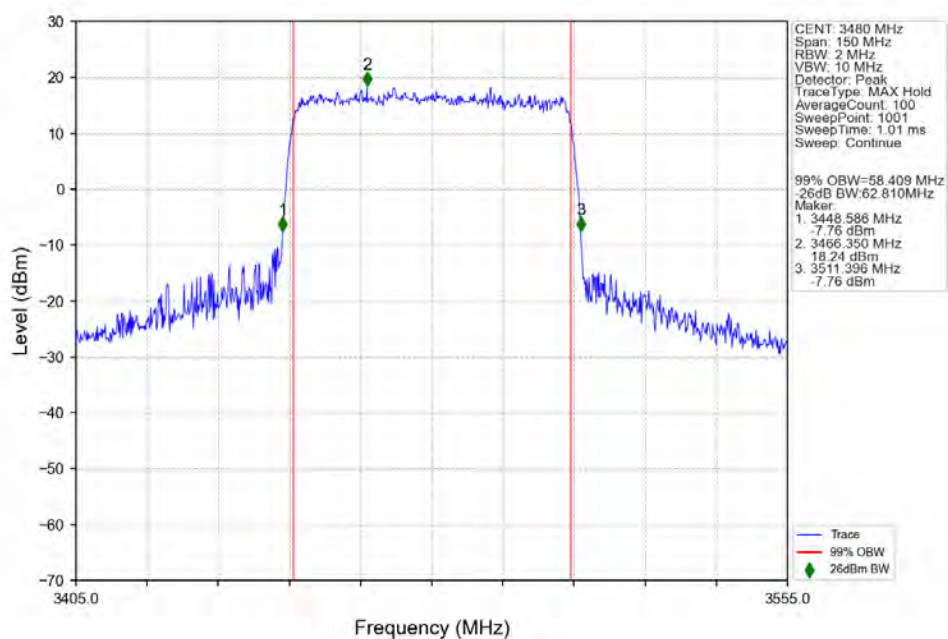
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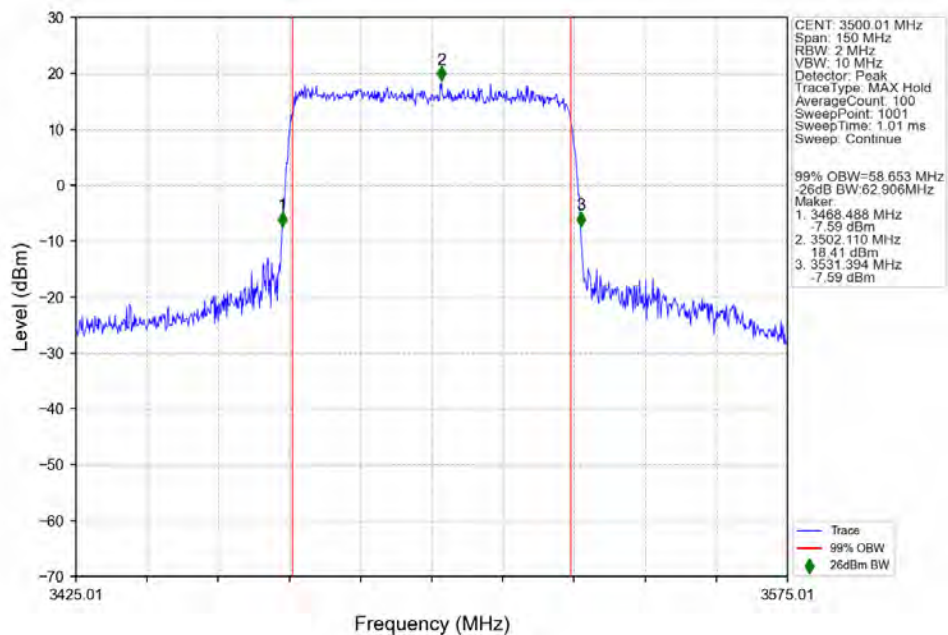
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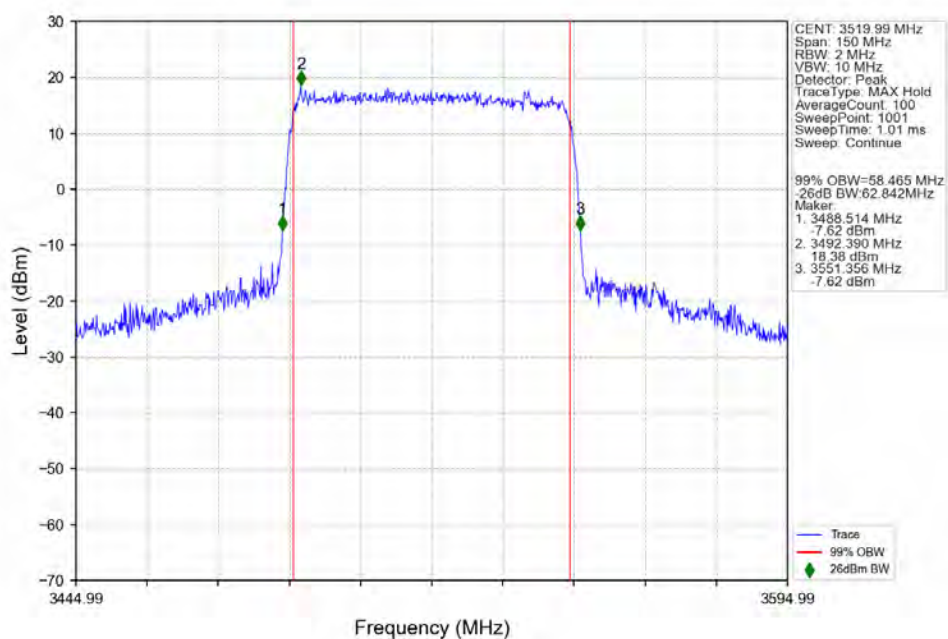
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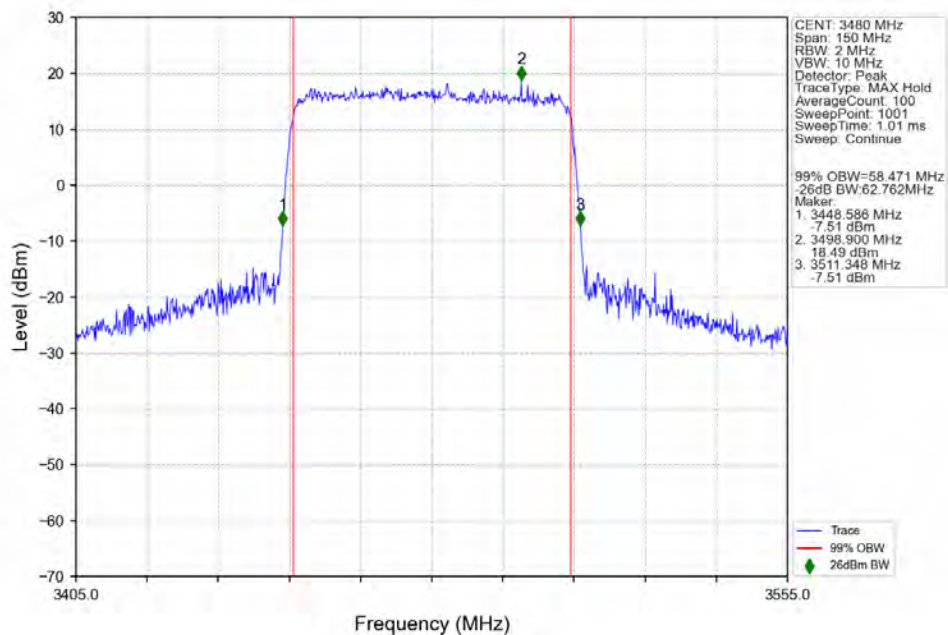
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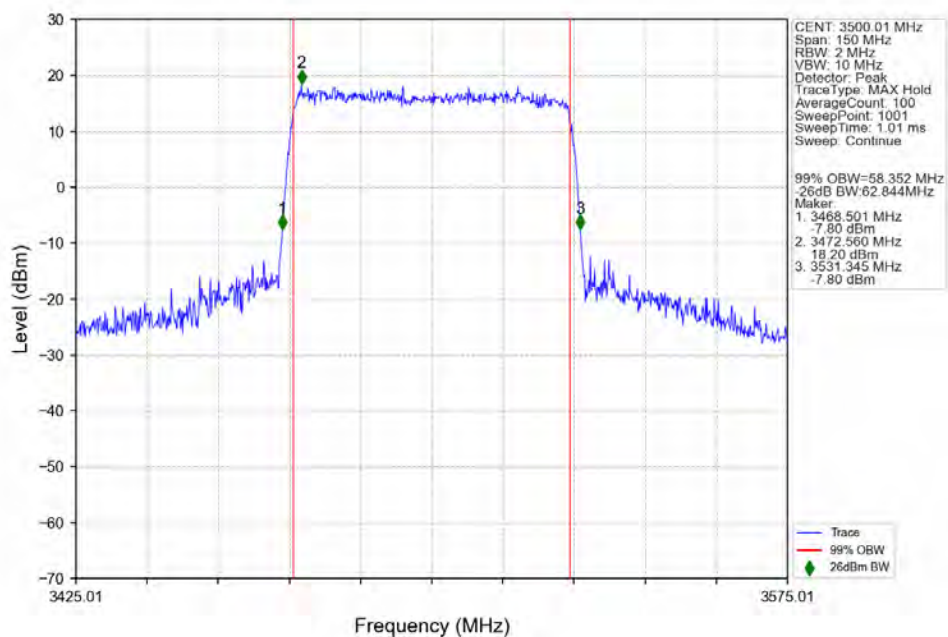
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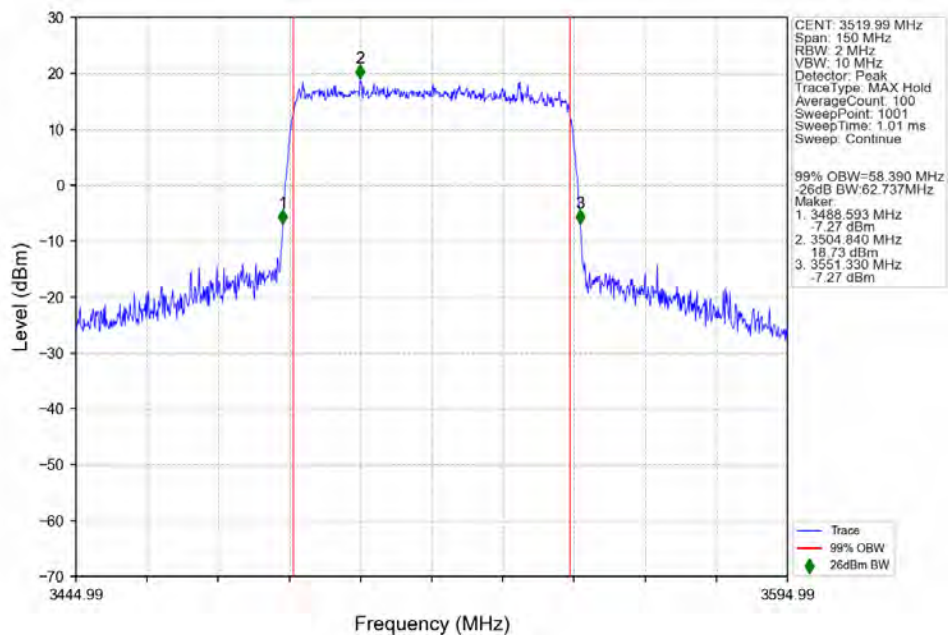
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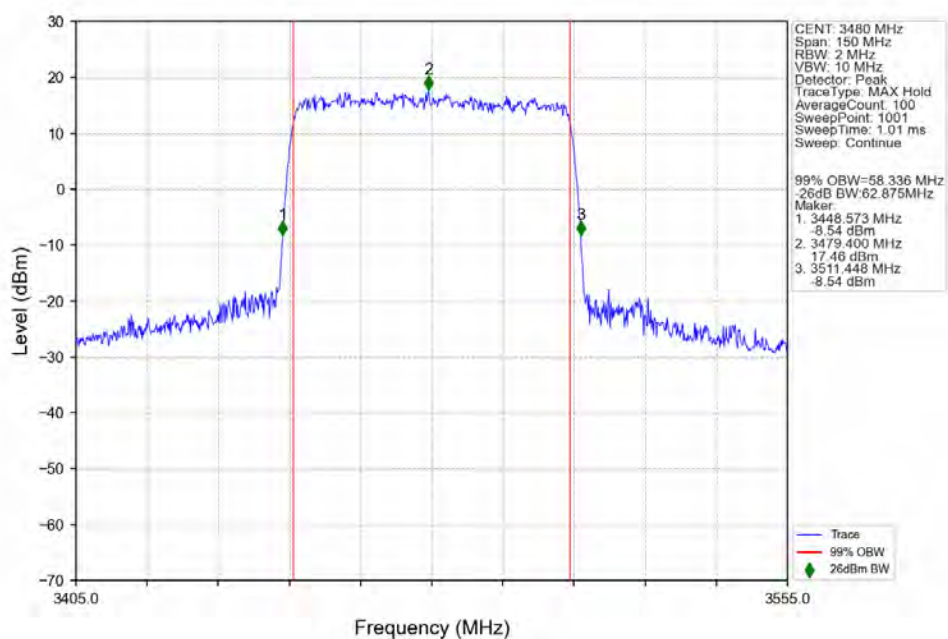
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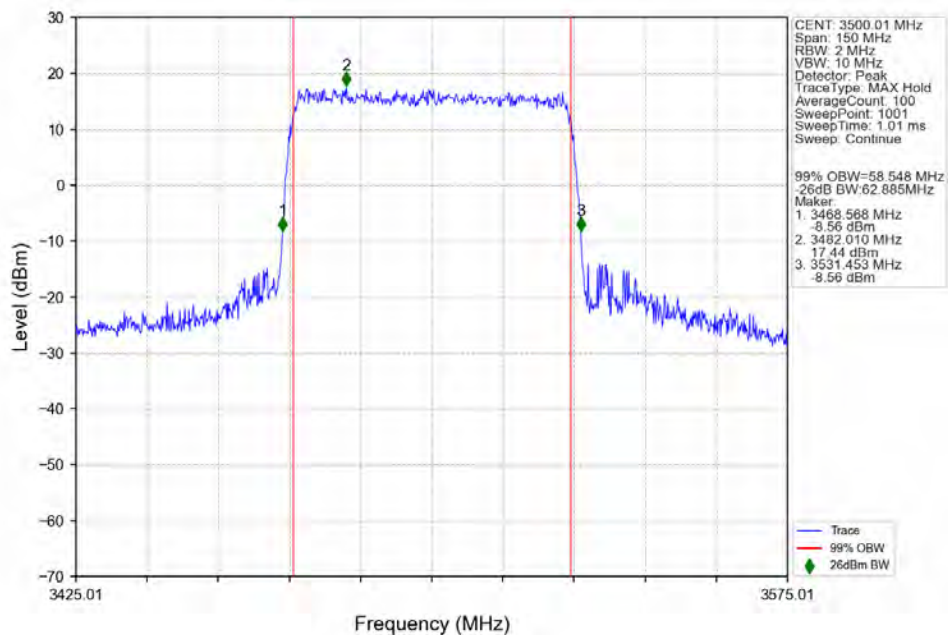
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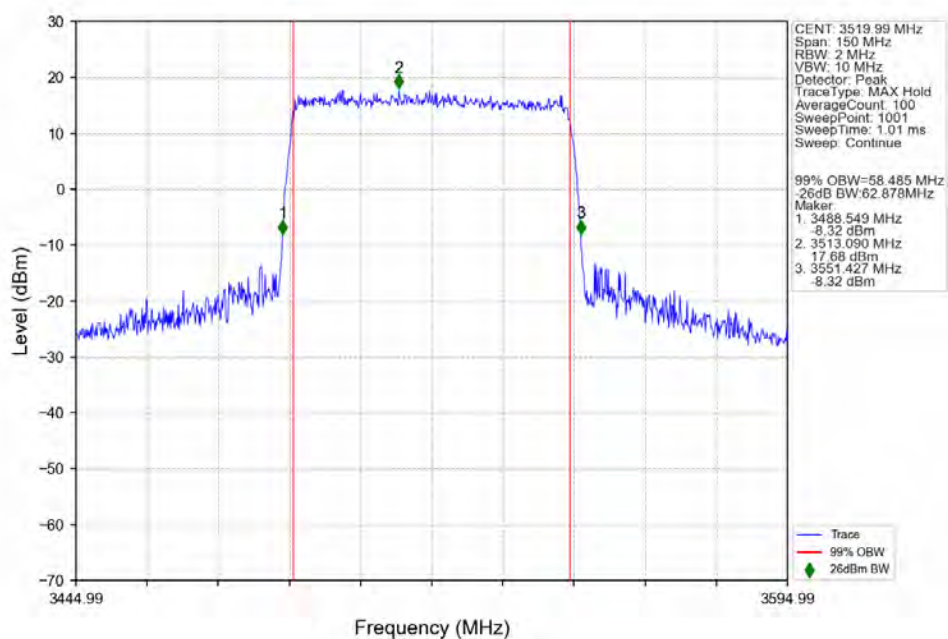
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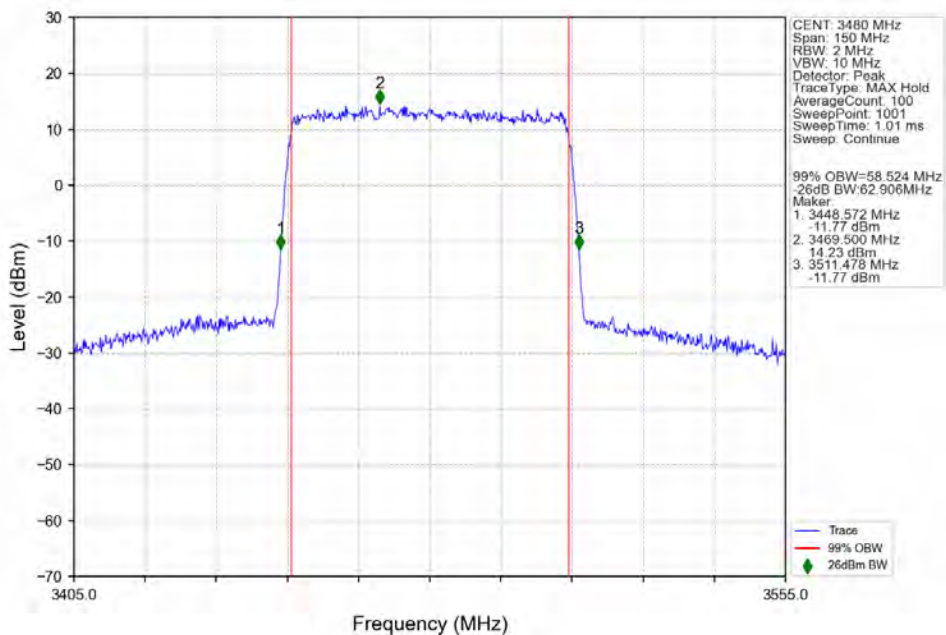
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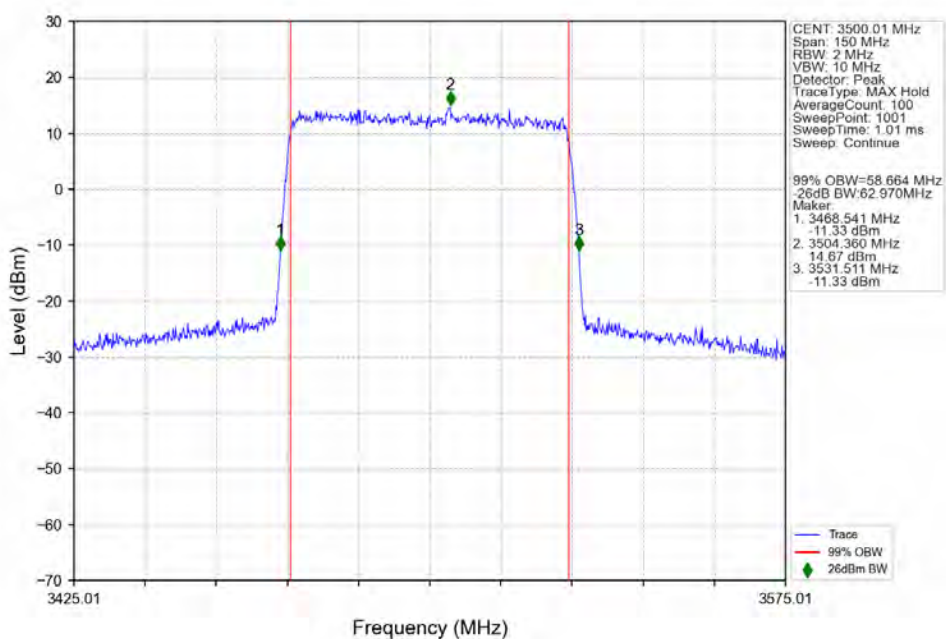
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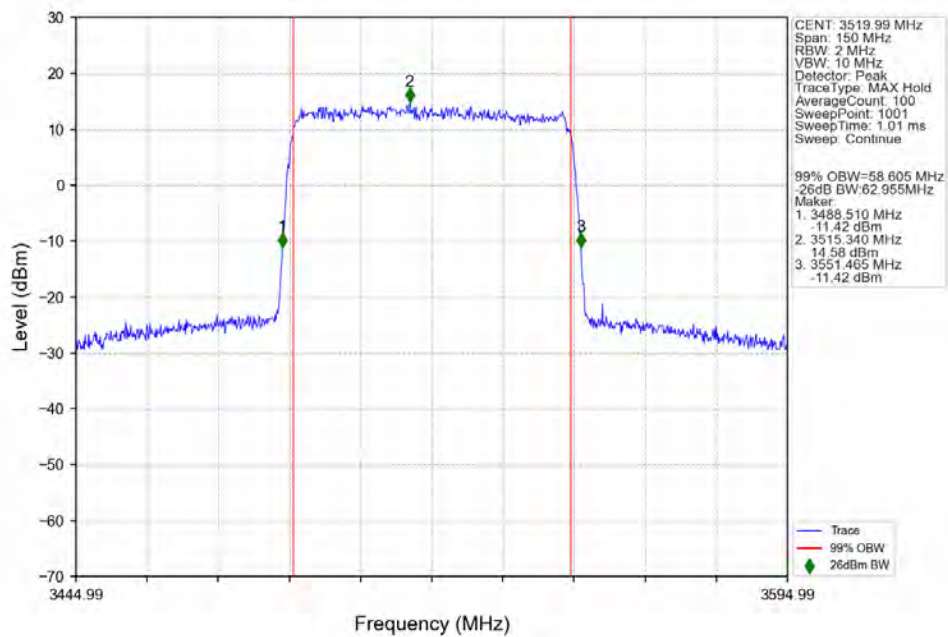
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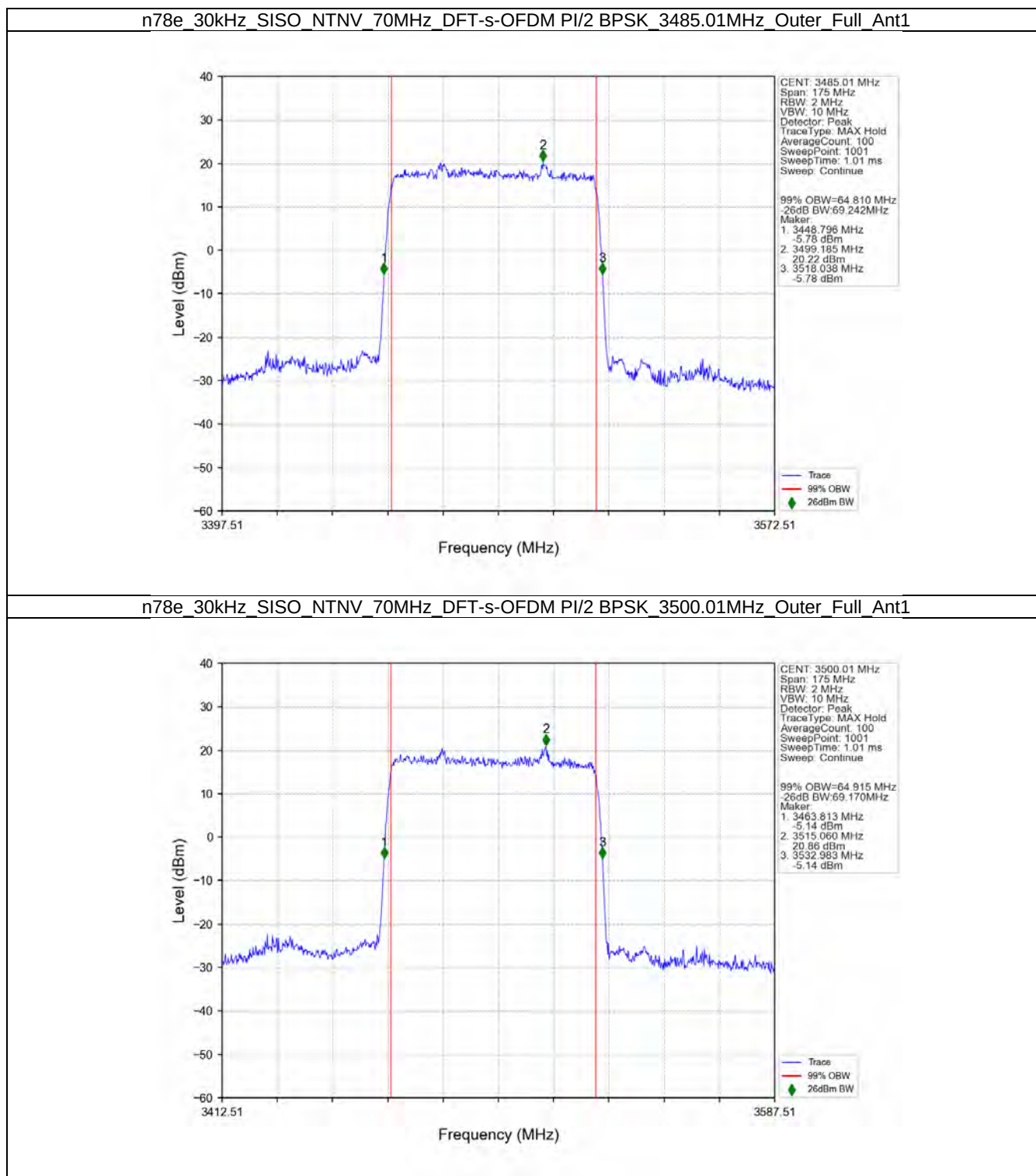
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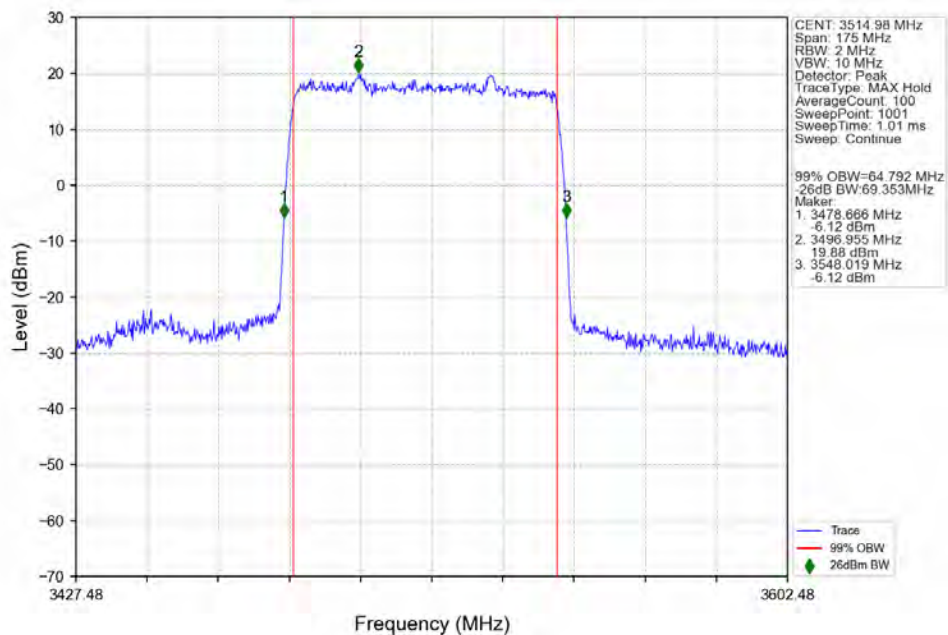
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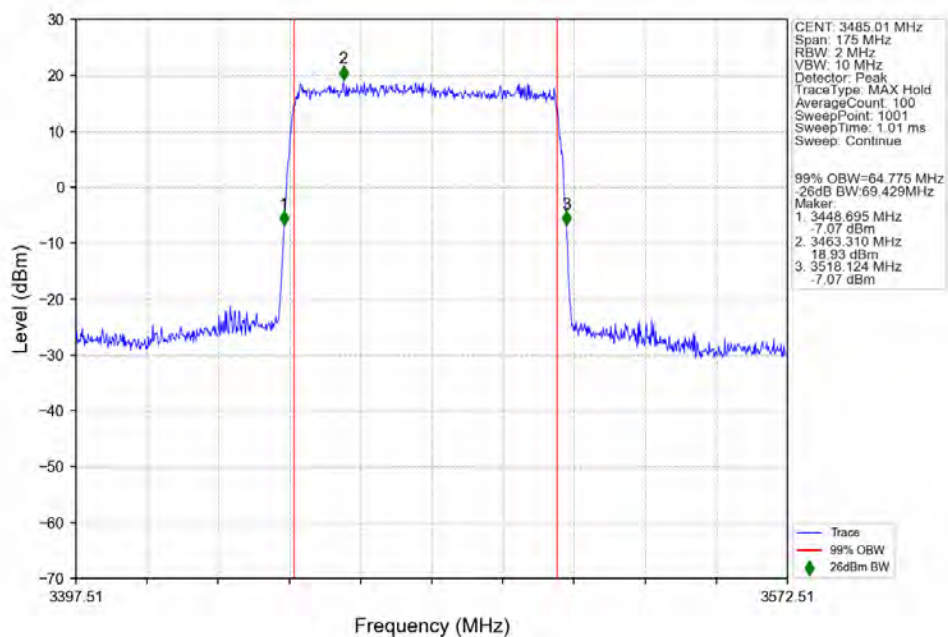
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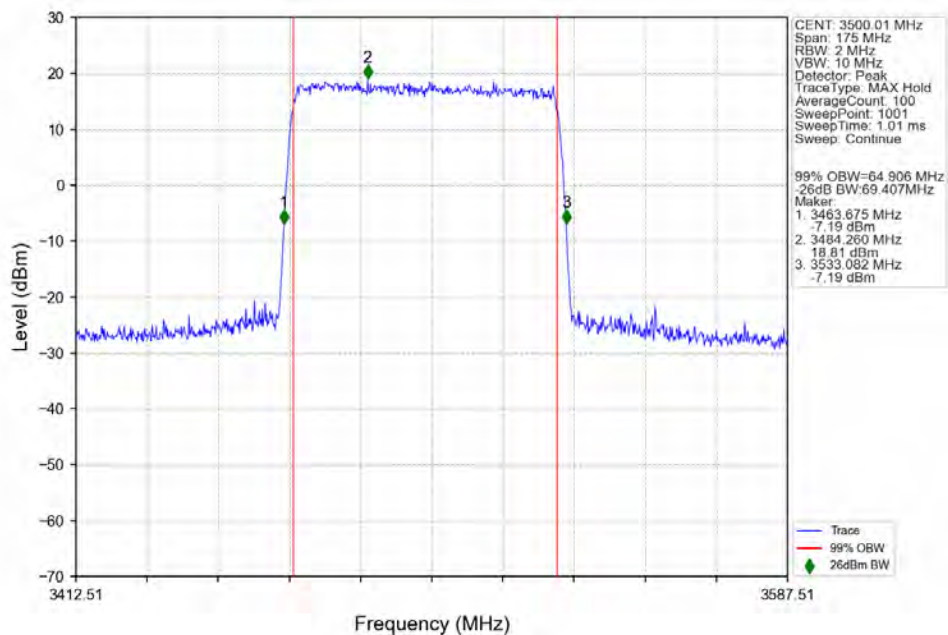
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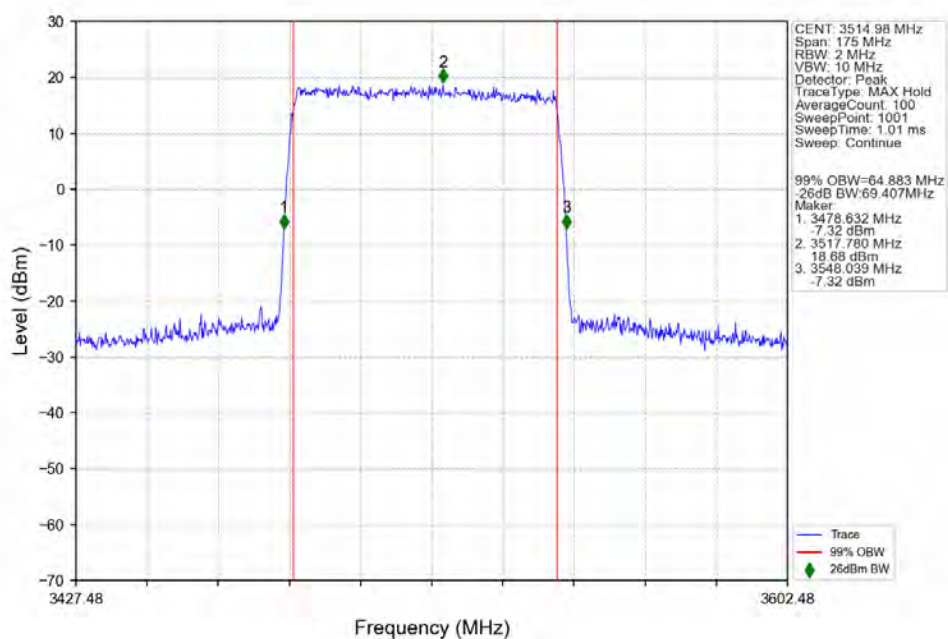
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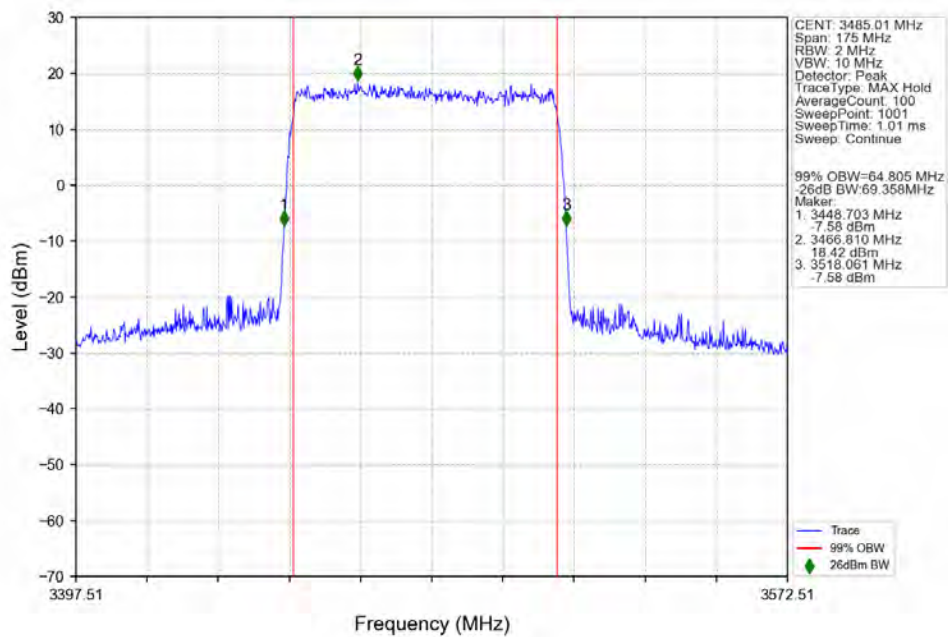
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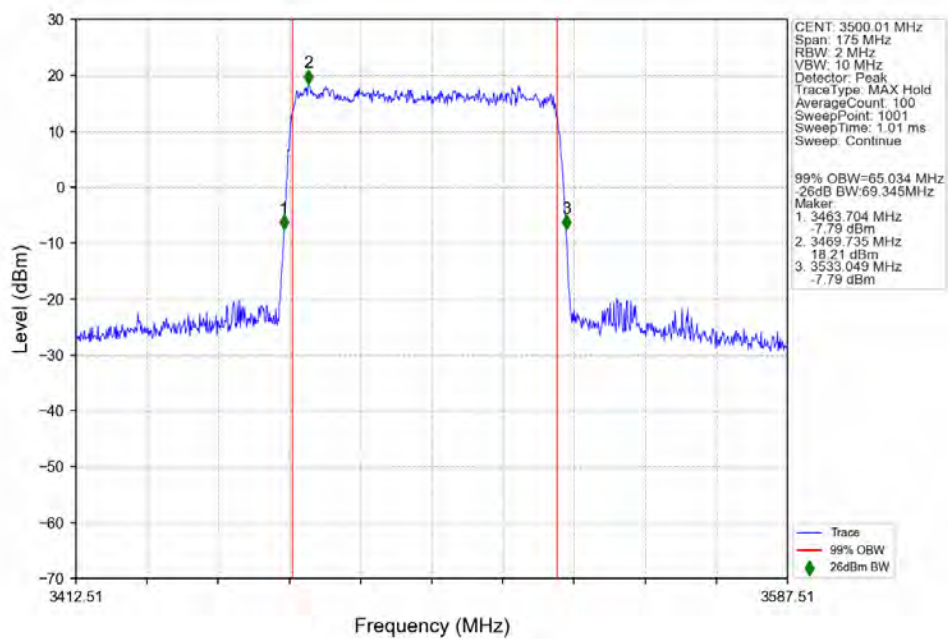
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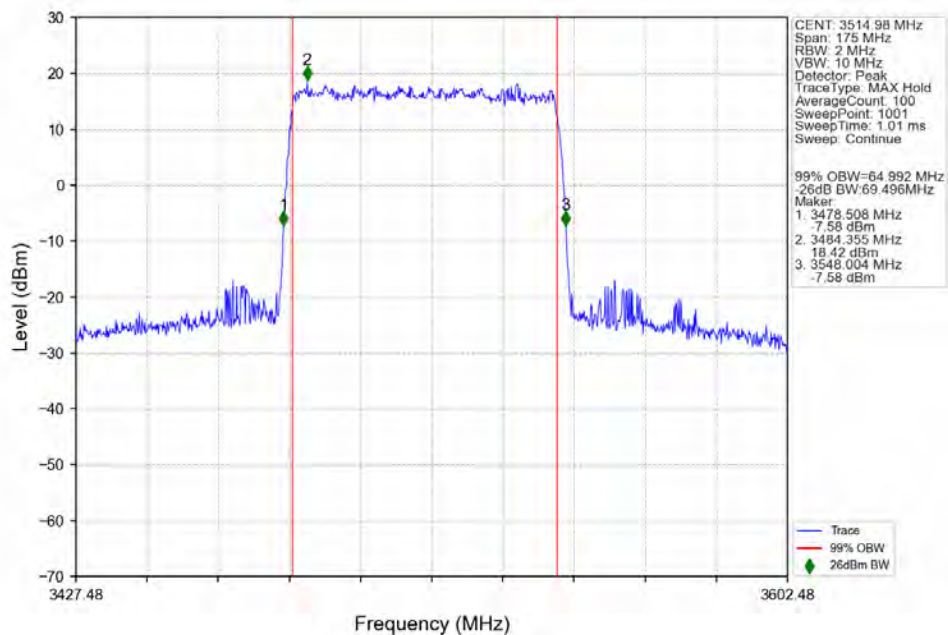
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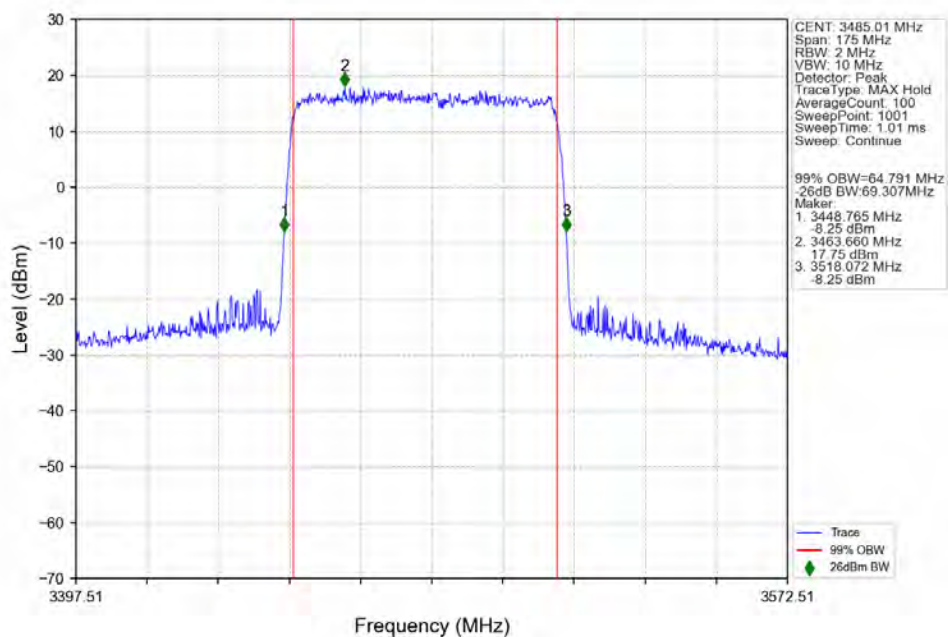
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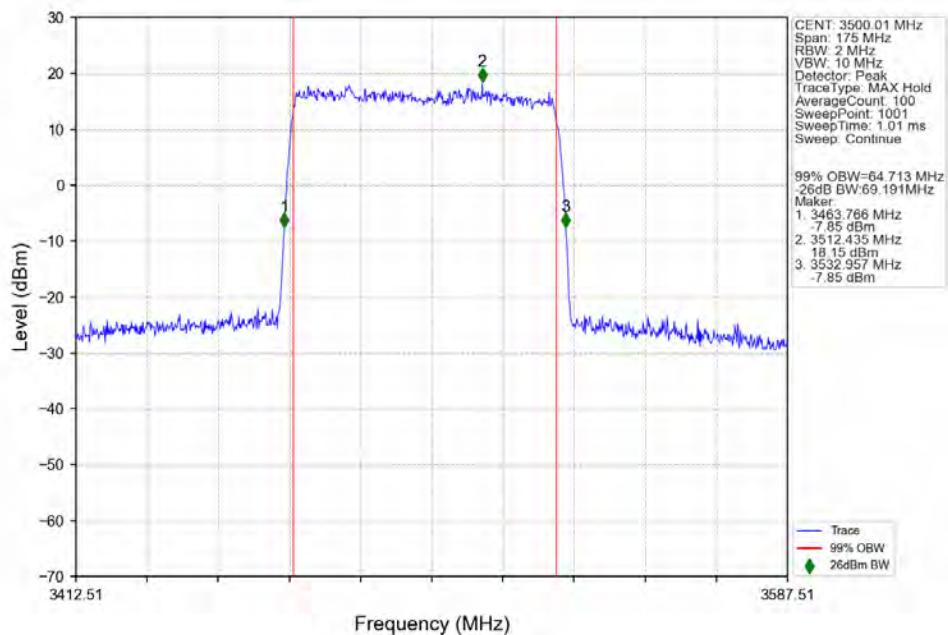
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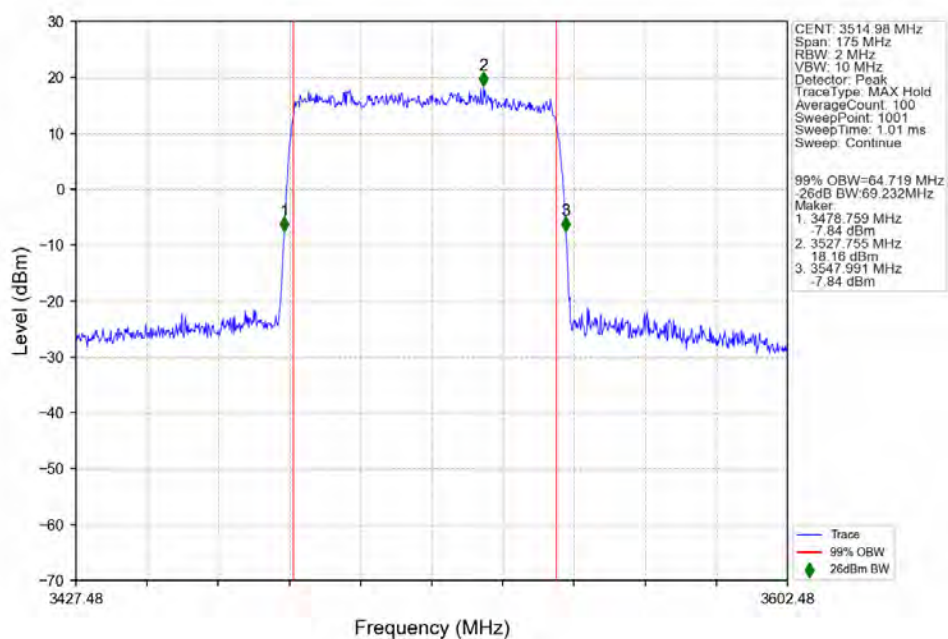
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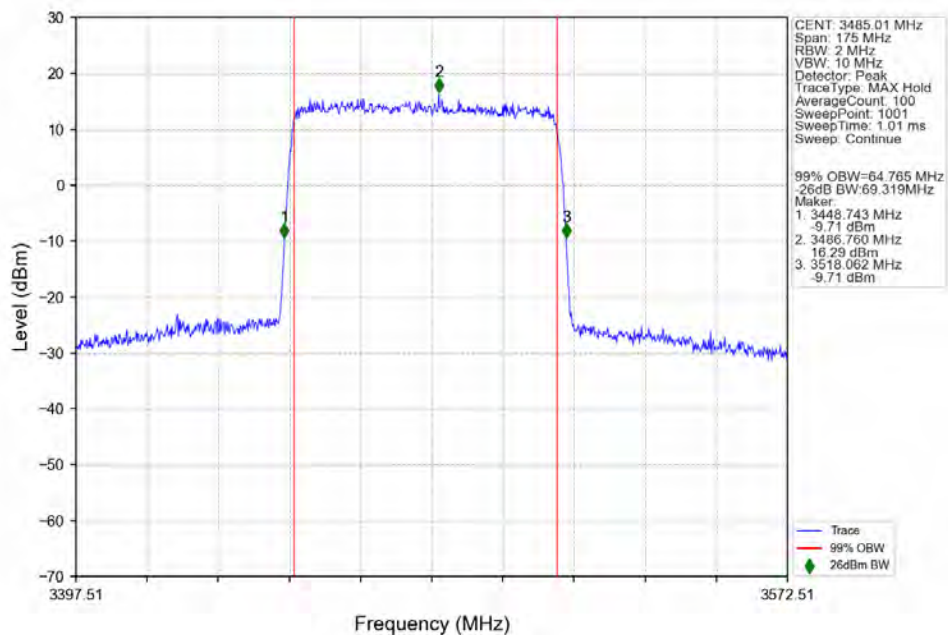
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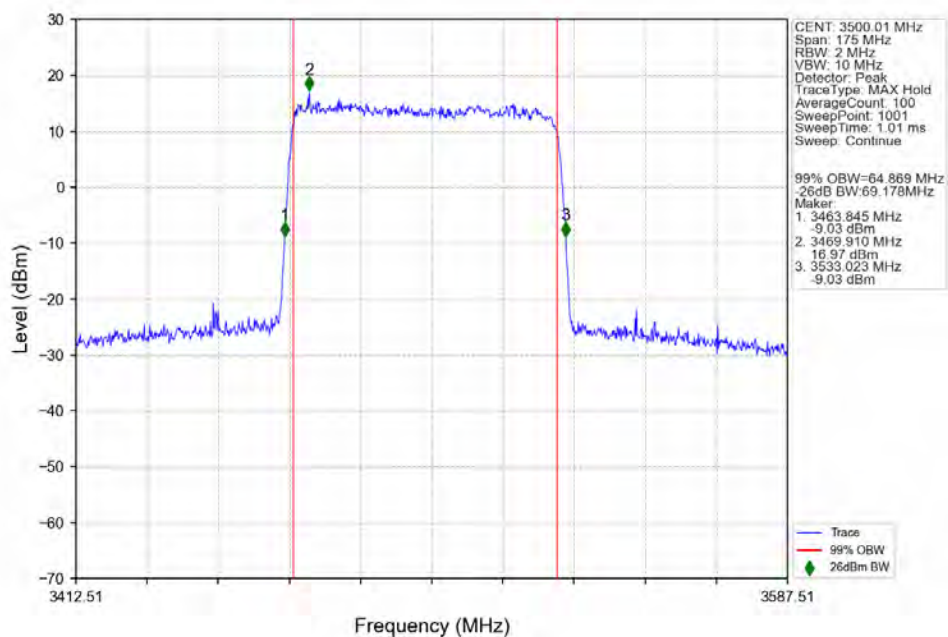
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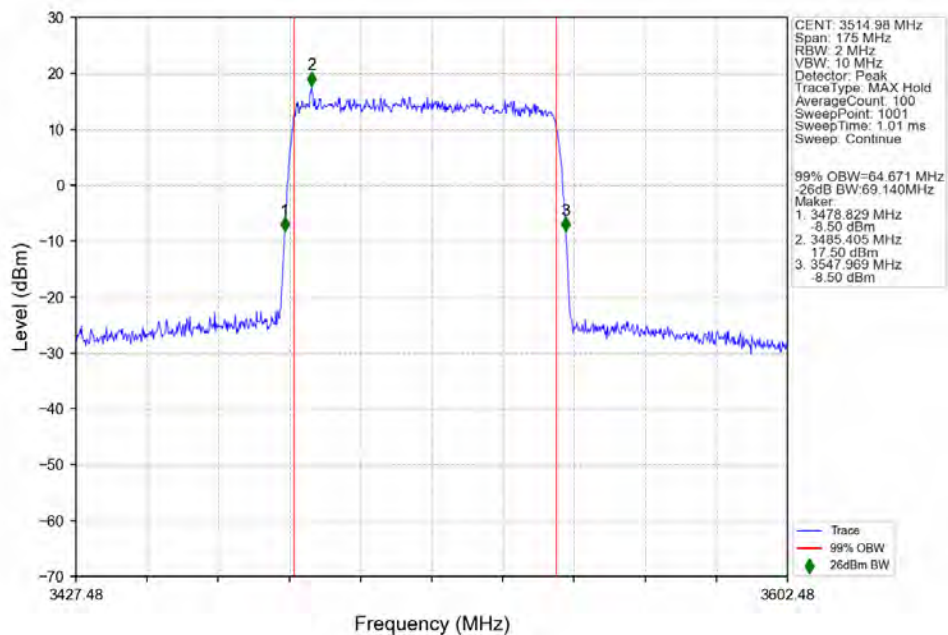
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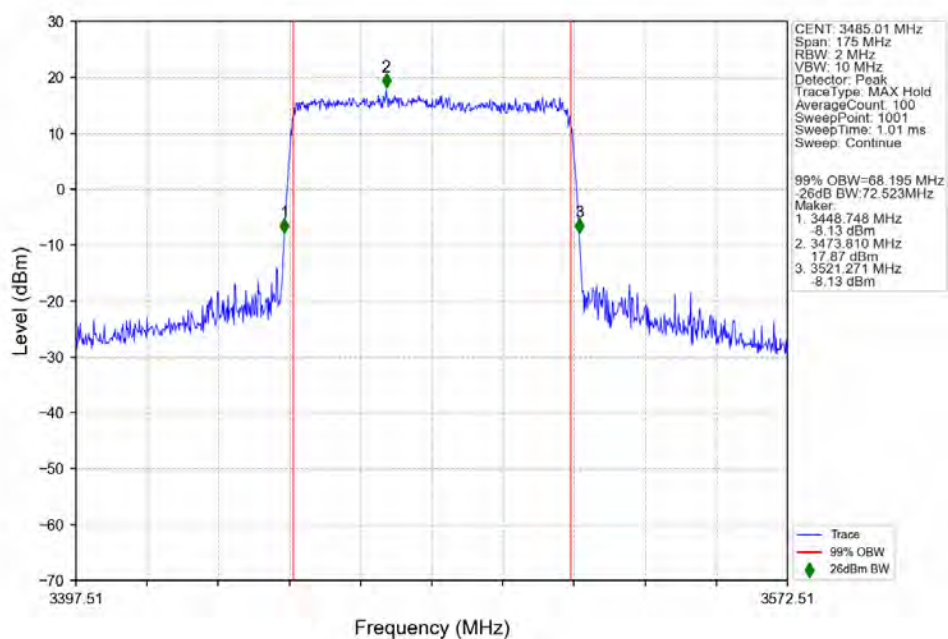
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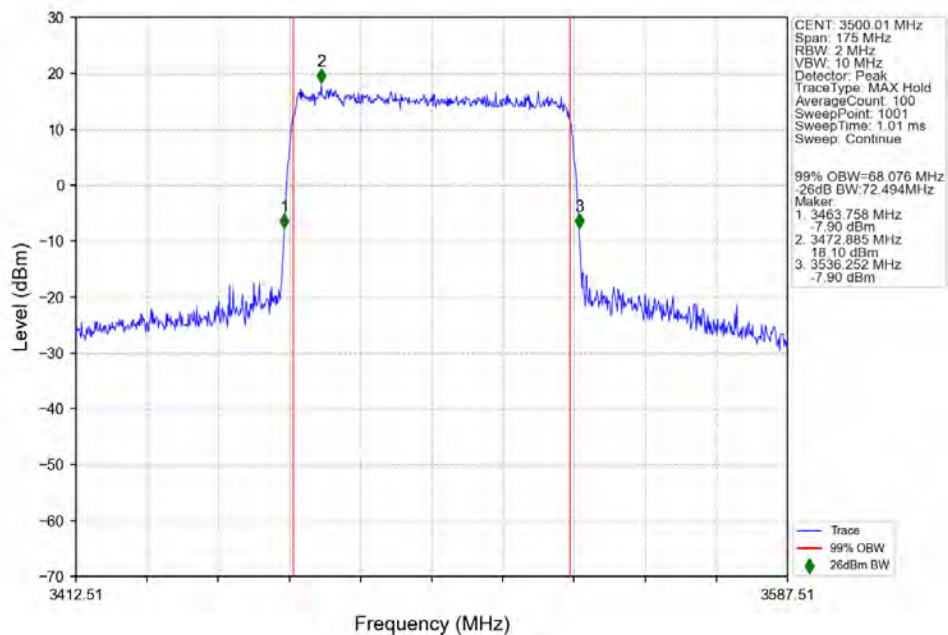
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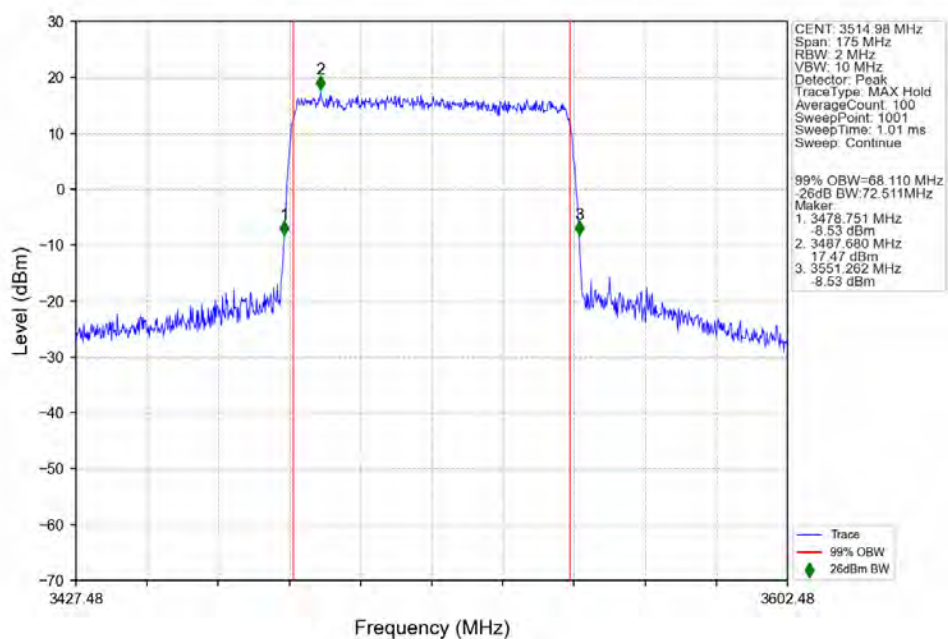
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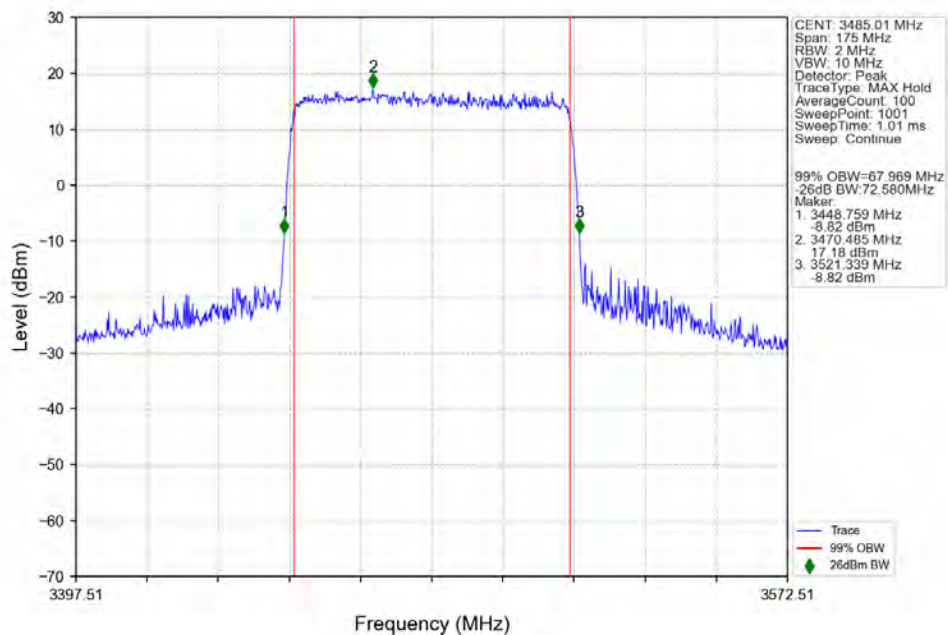
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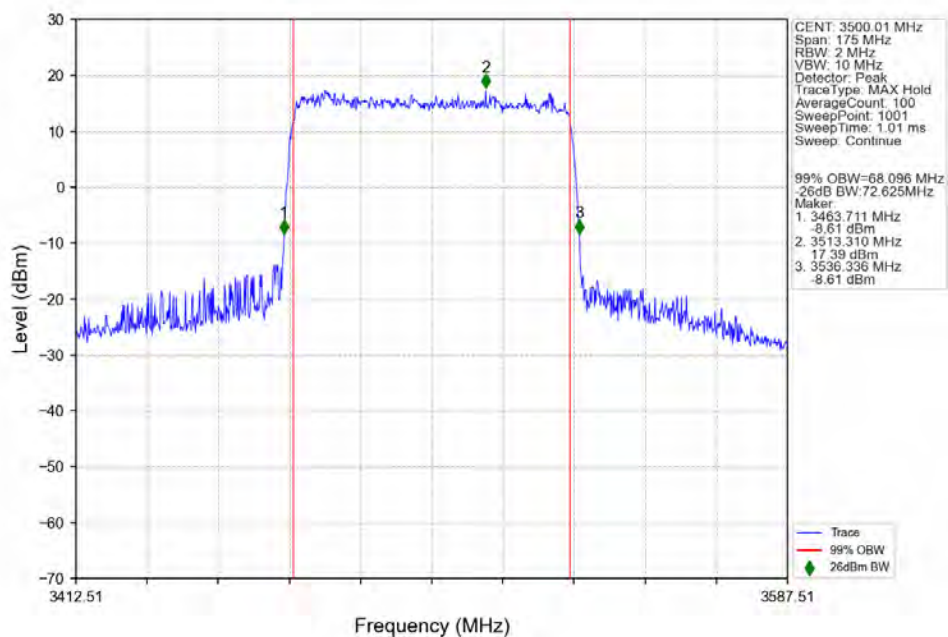
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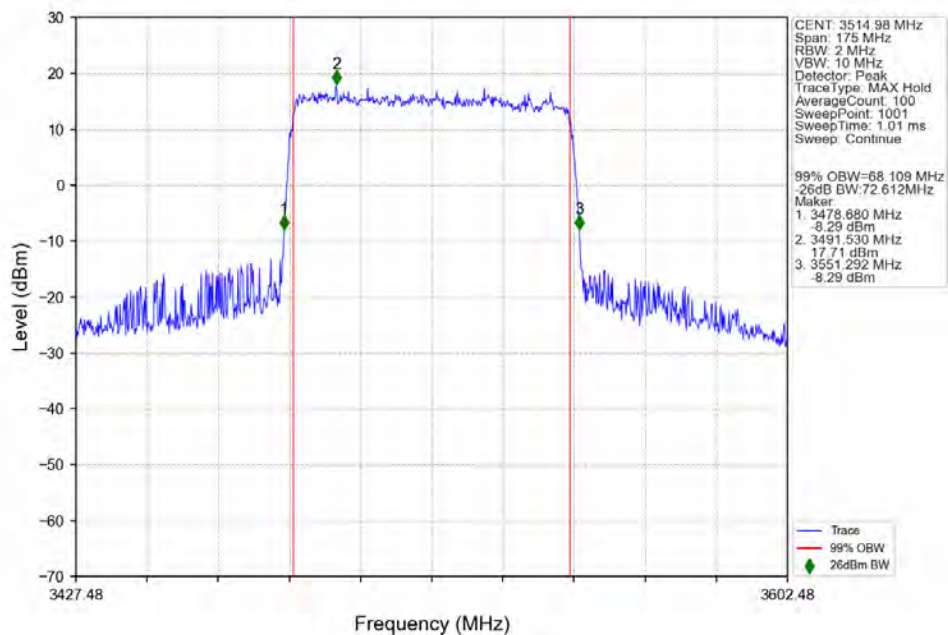
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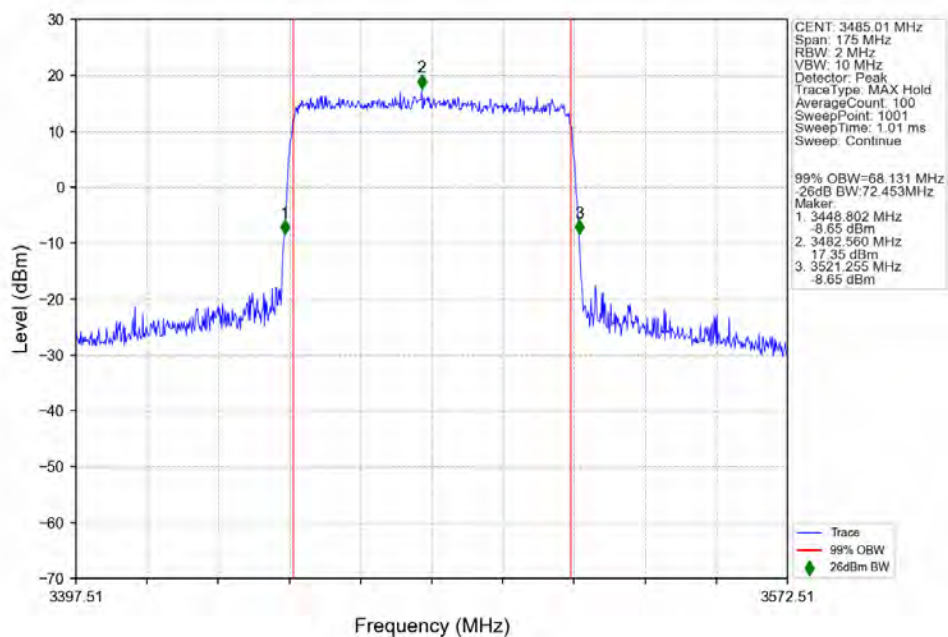
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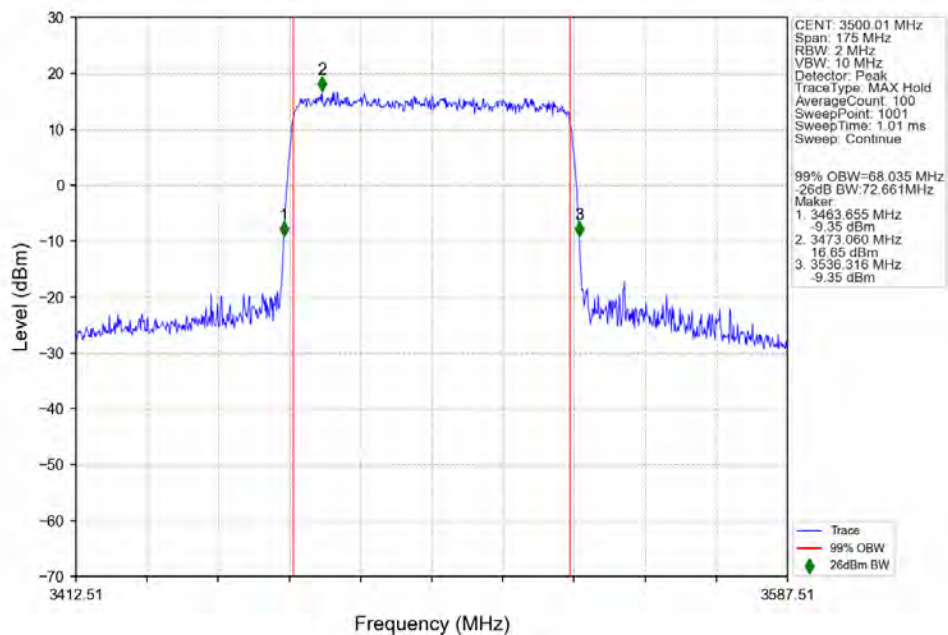
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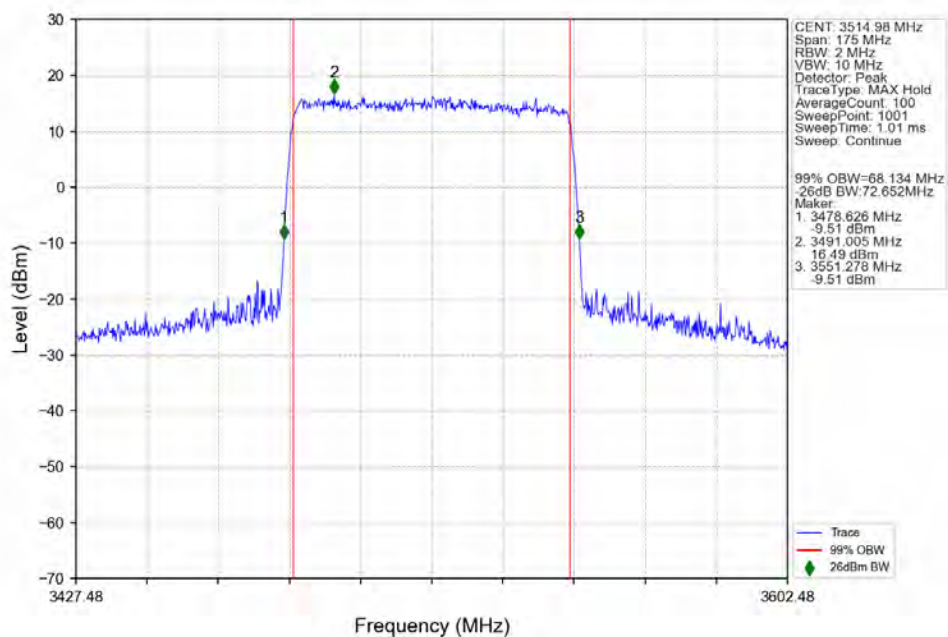
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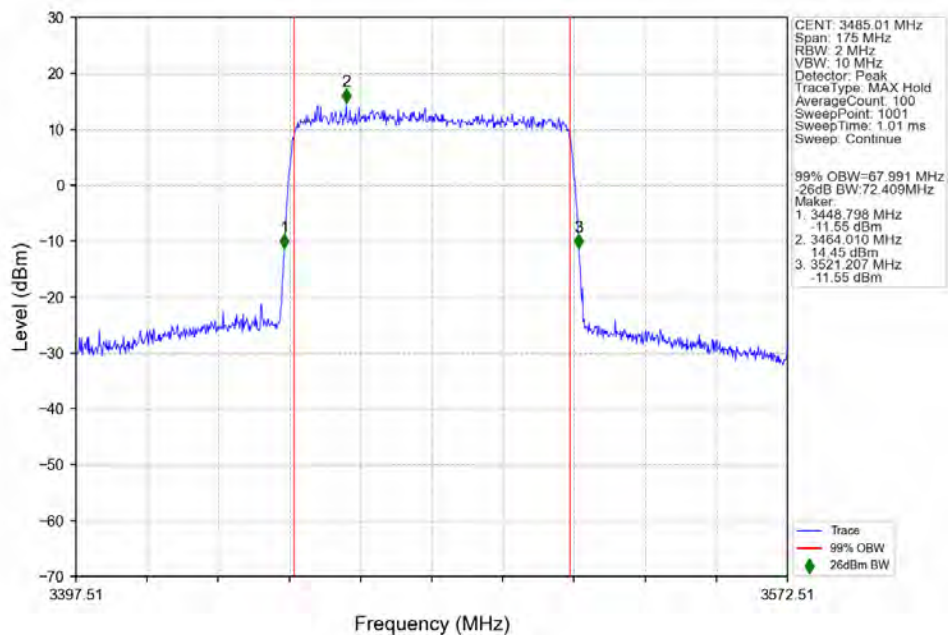
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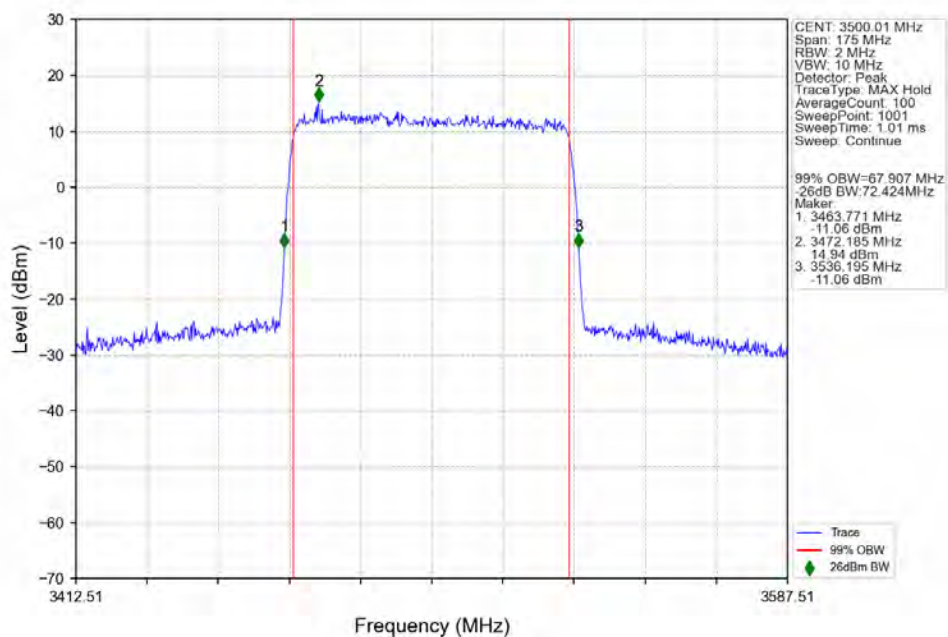
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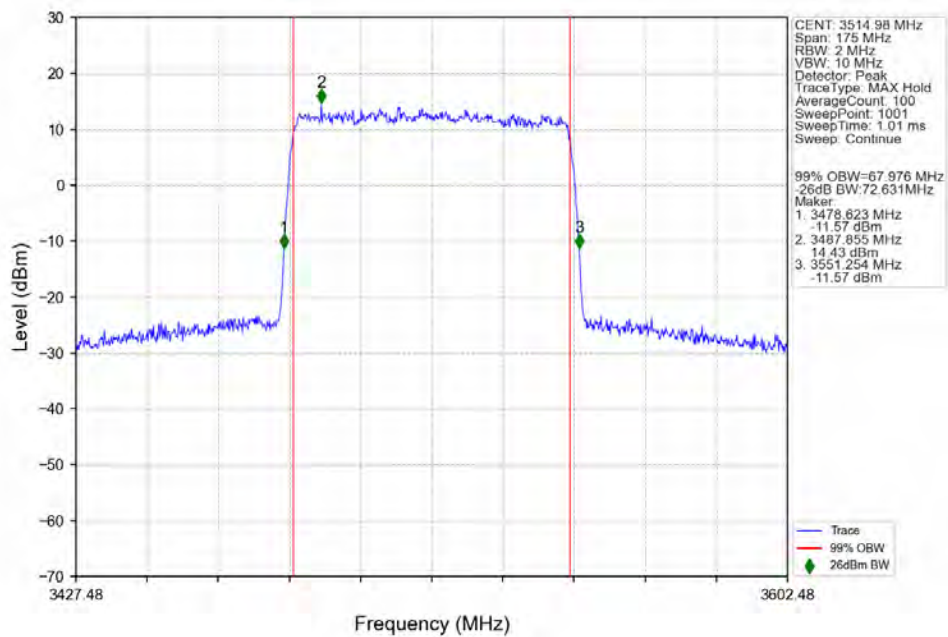
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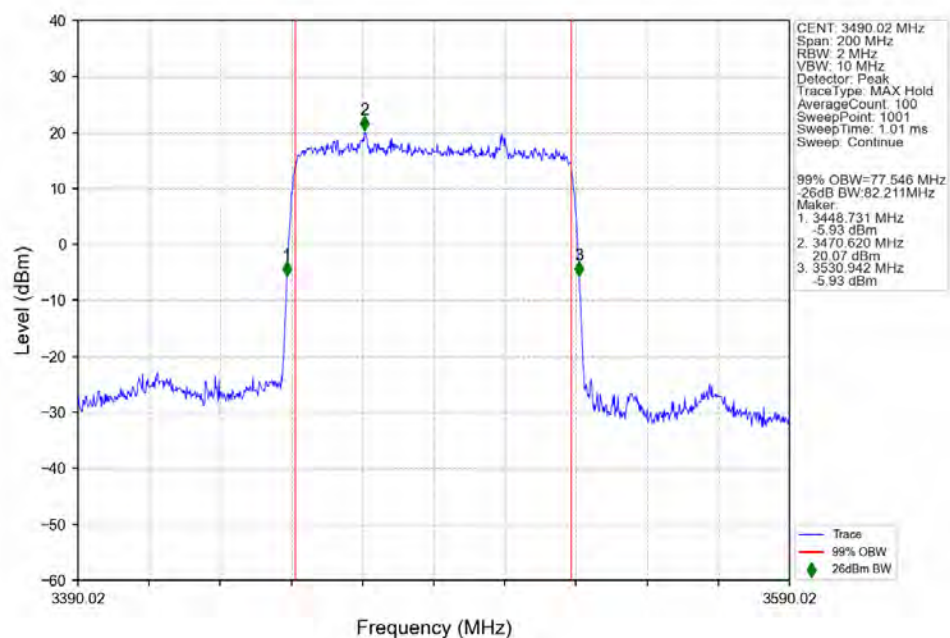


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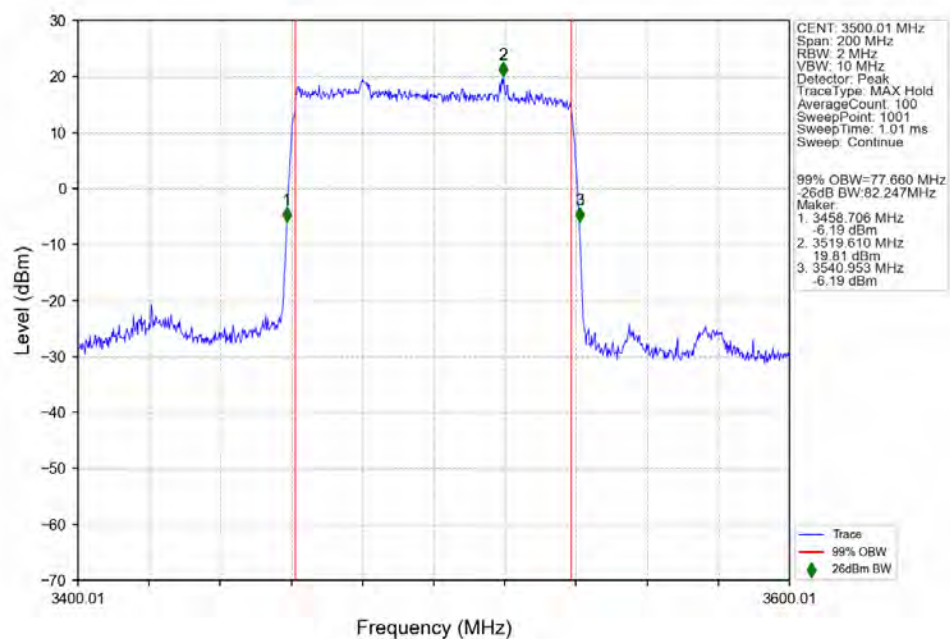


3.2.10 30k_SISO_80MHz_NTNV

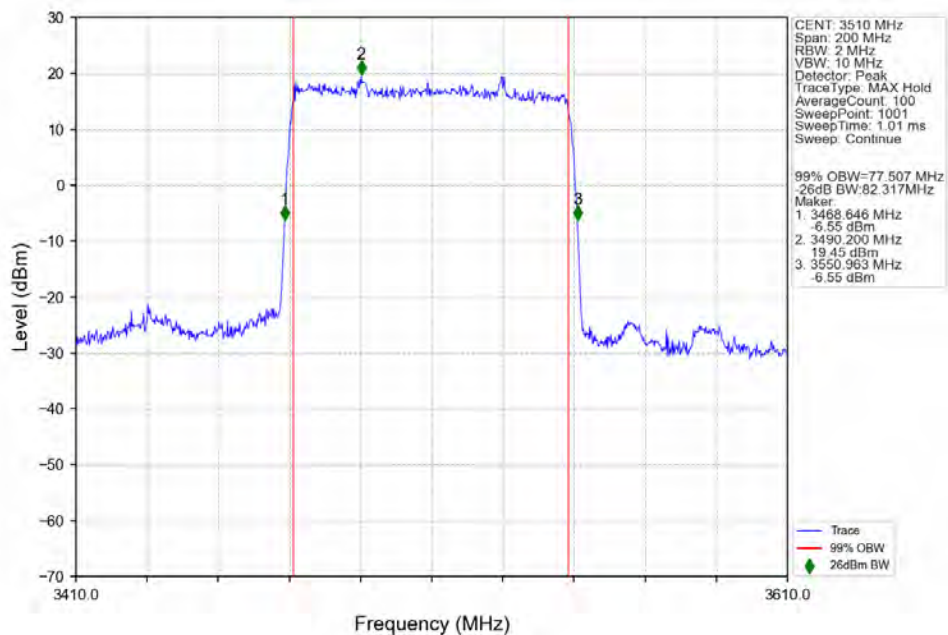
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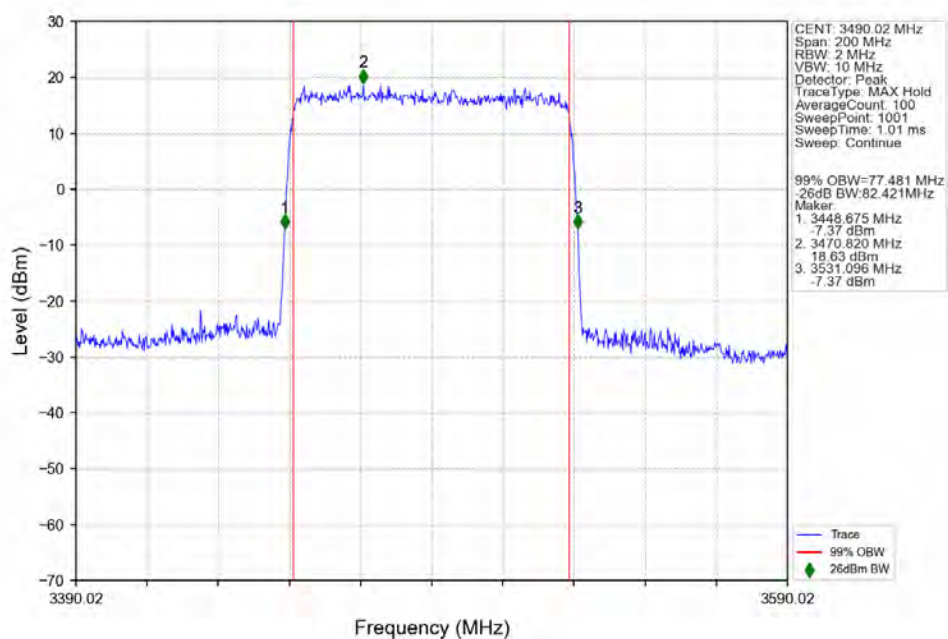
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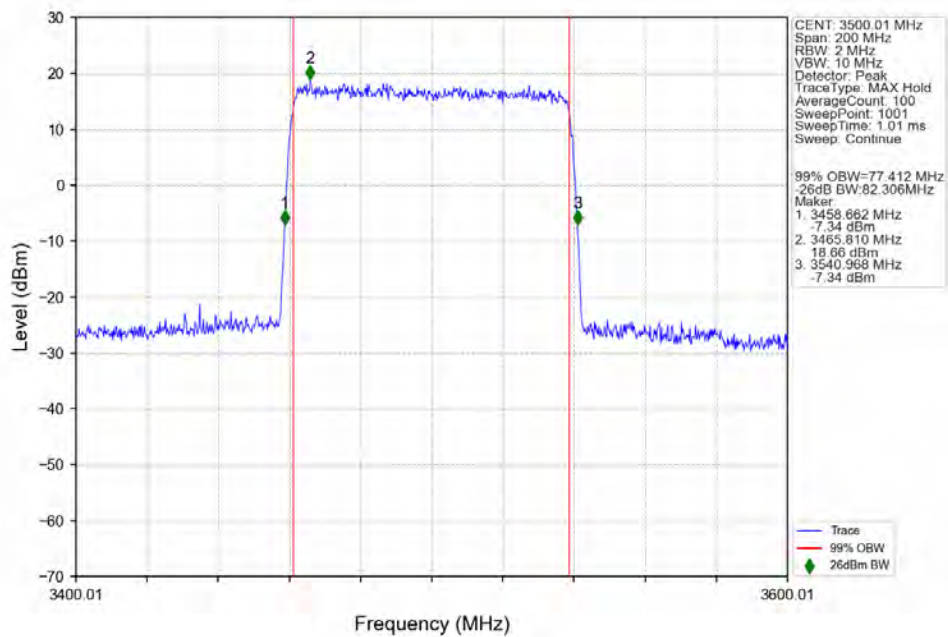
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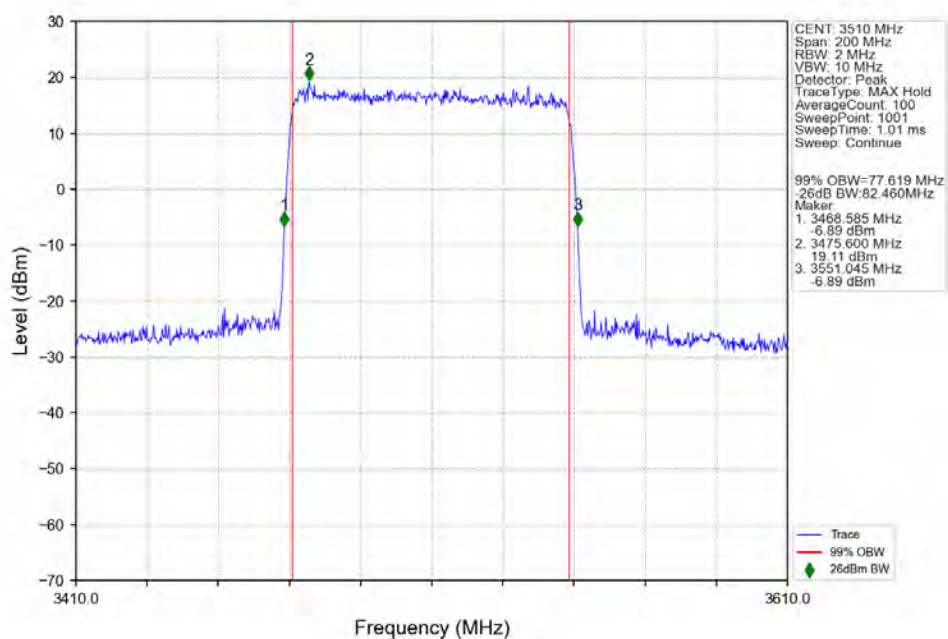
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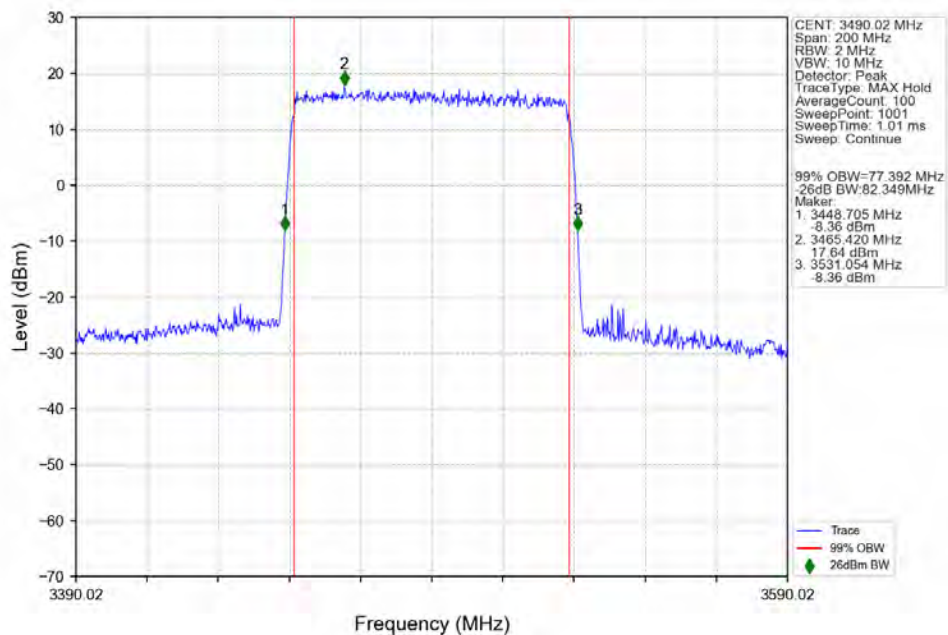
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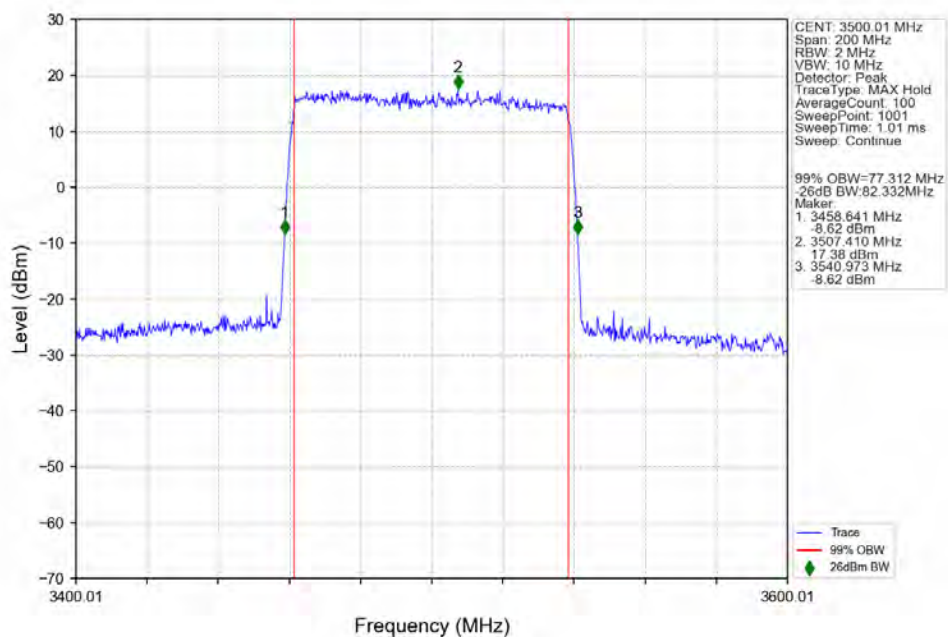
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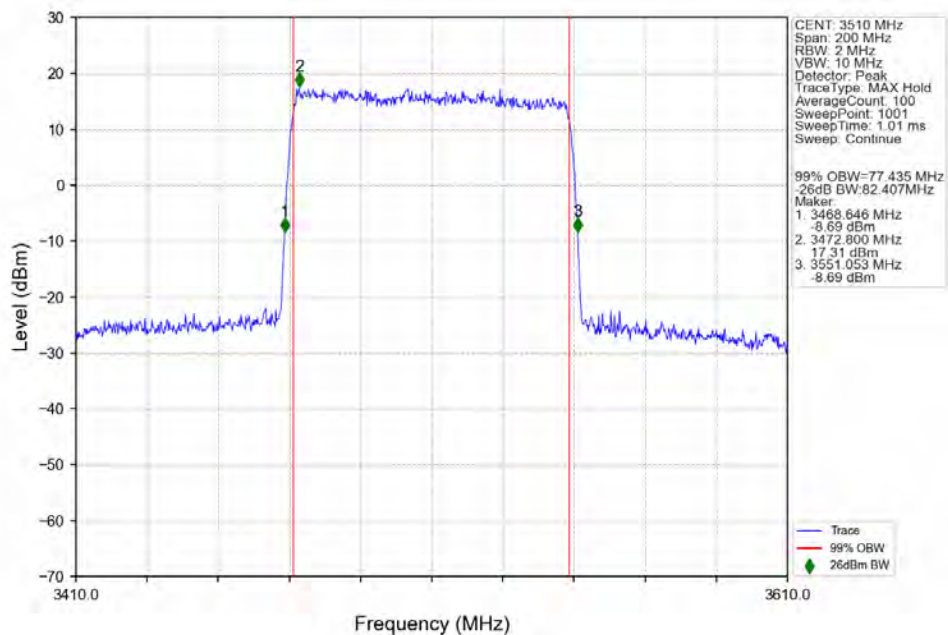
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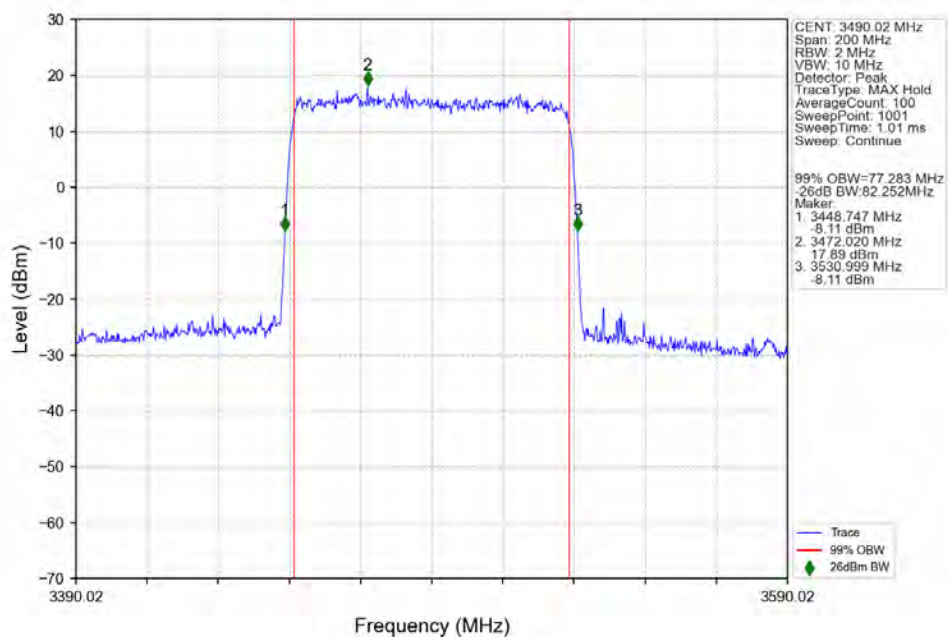
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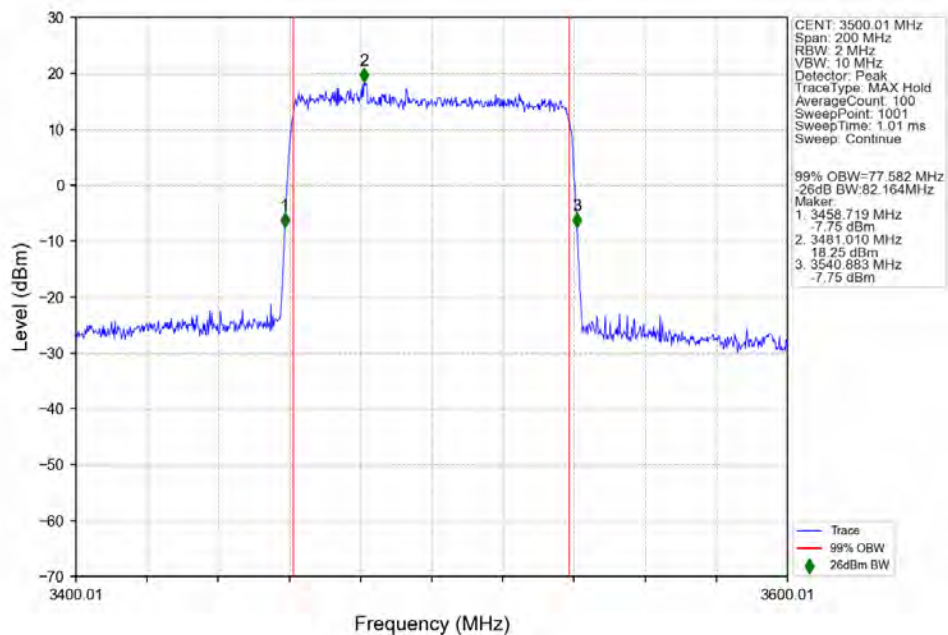
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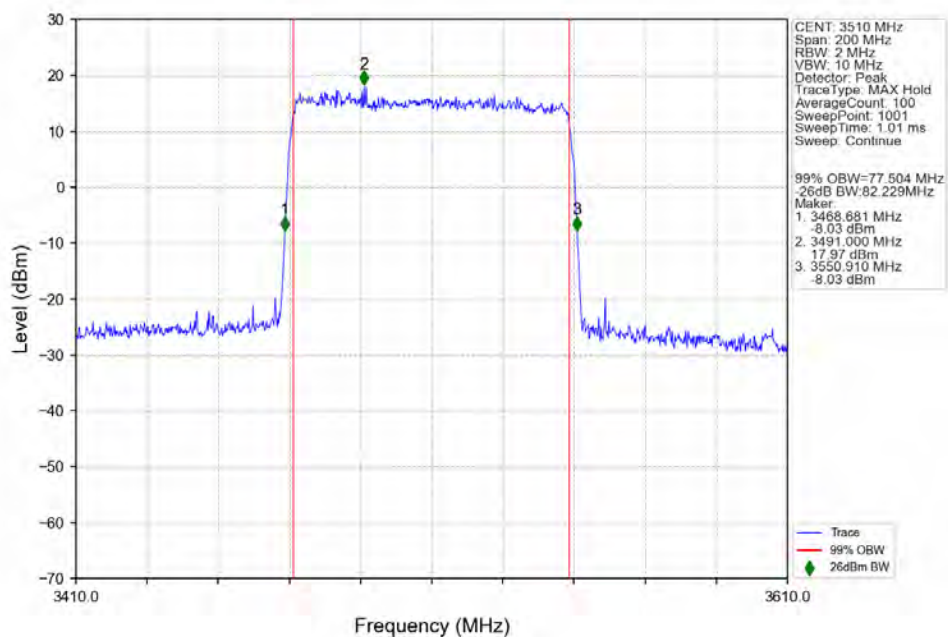
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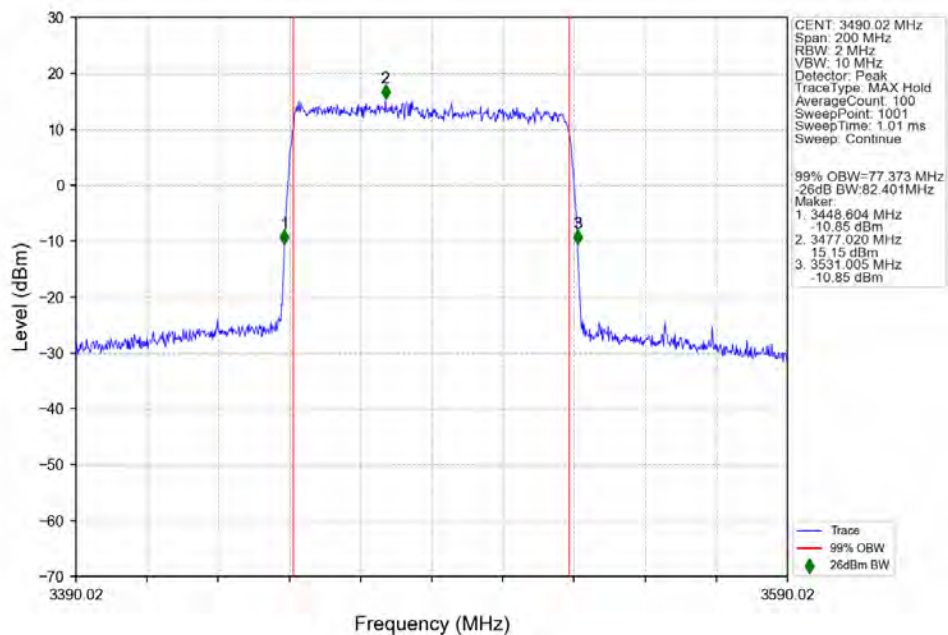
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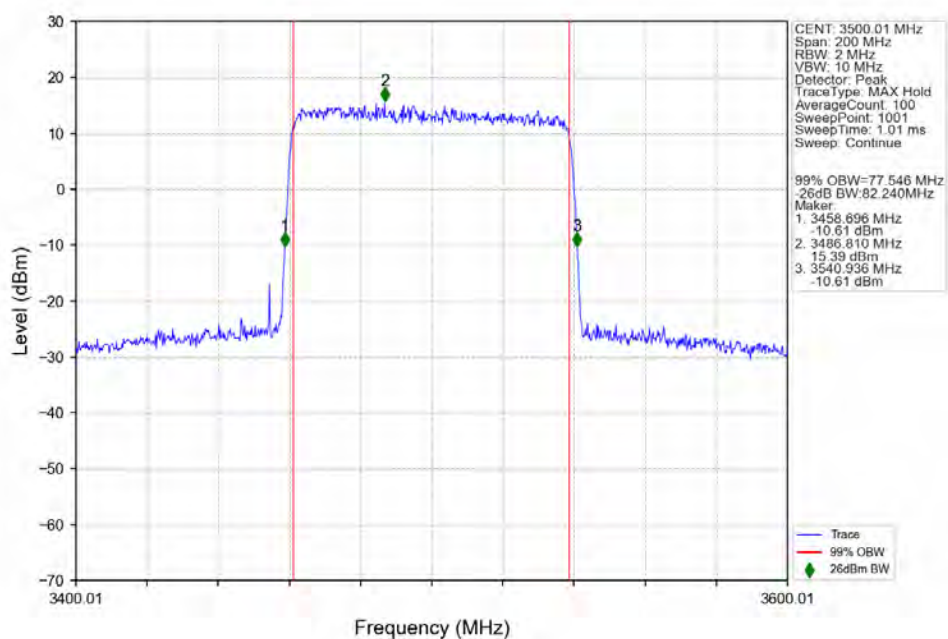
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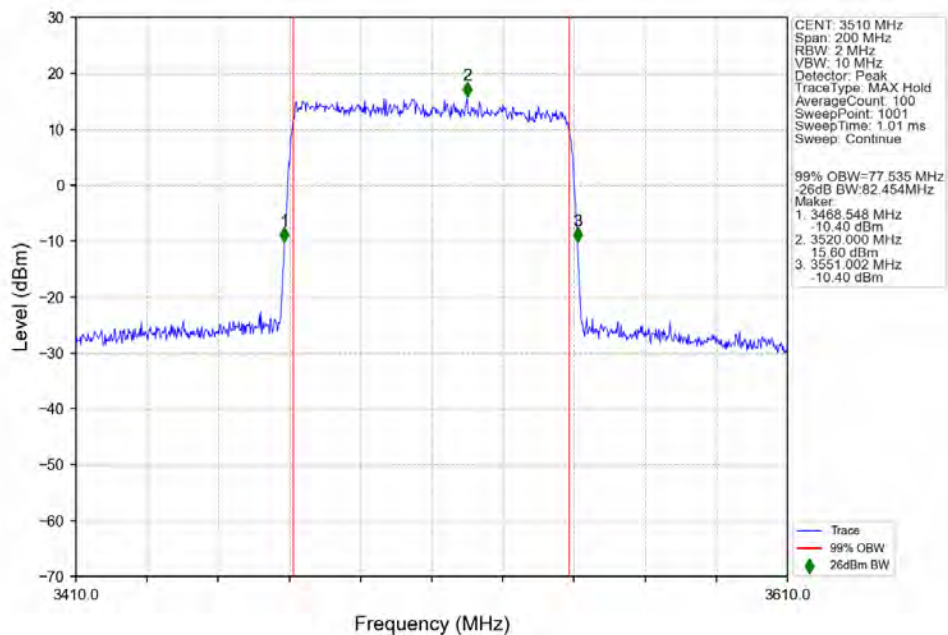
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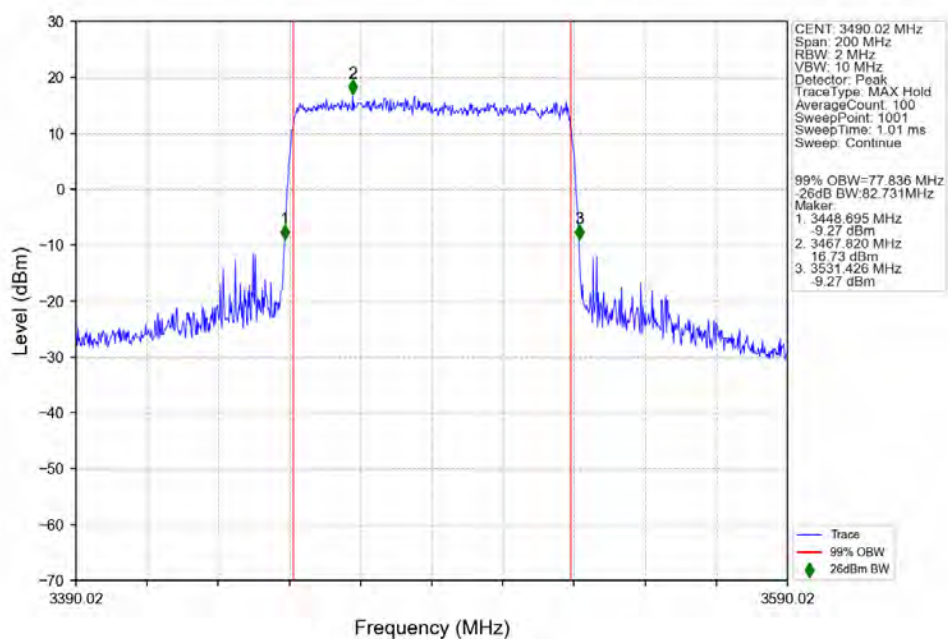
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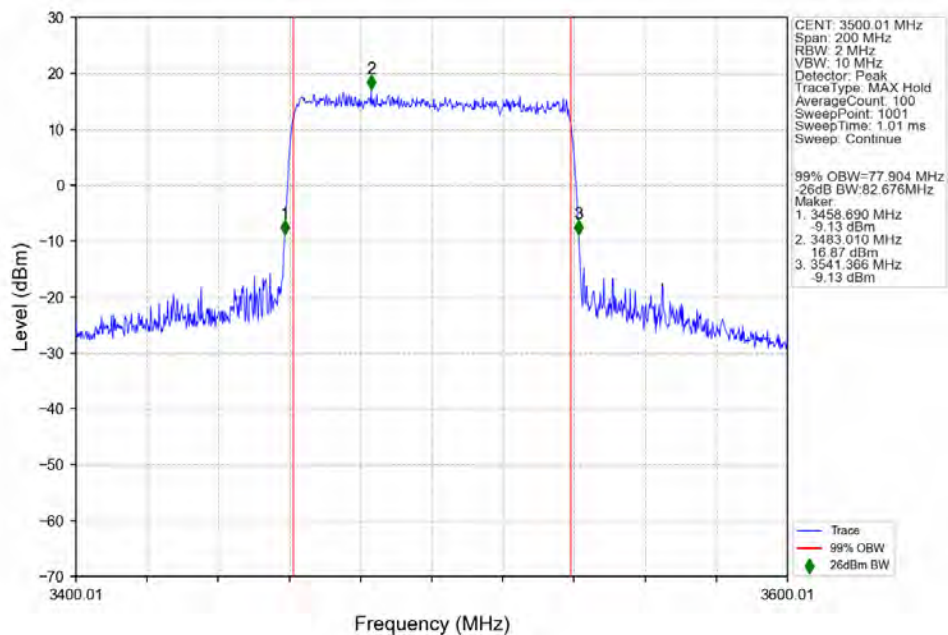
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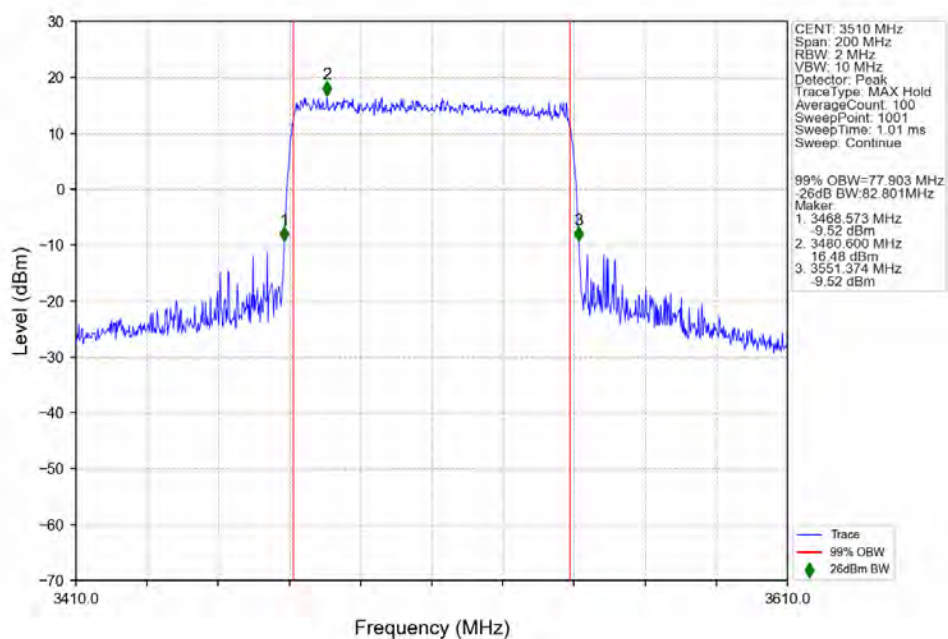
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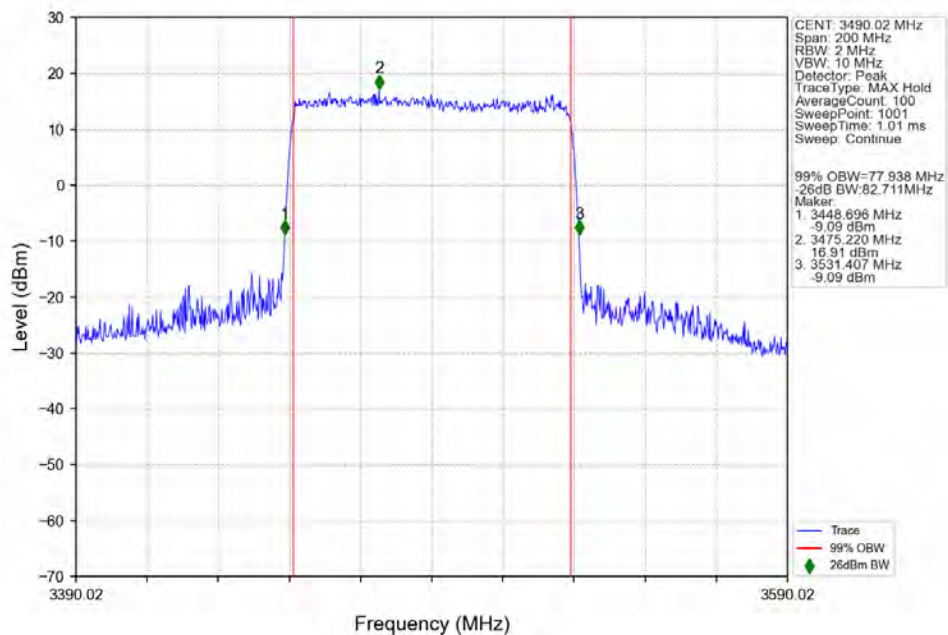
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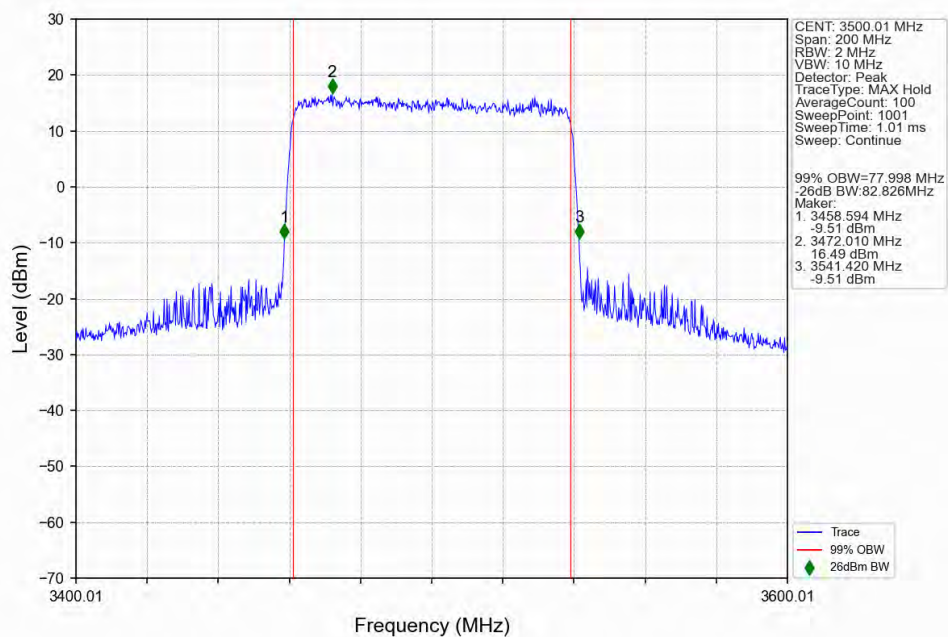
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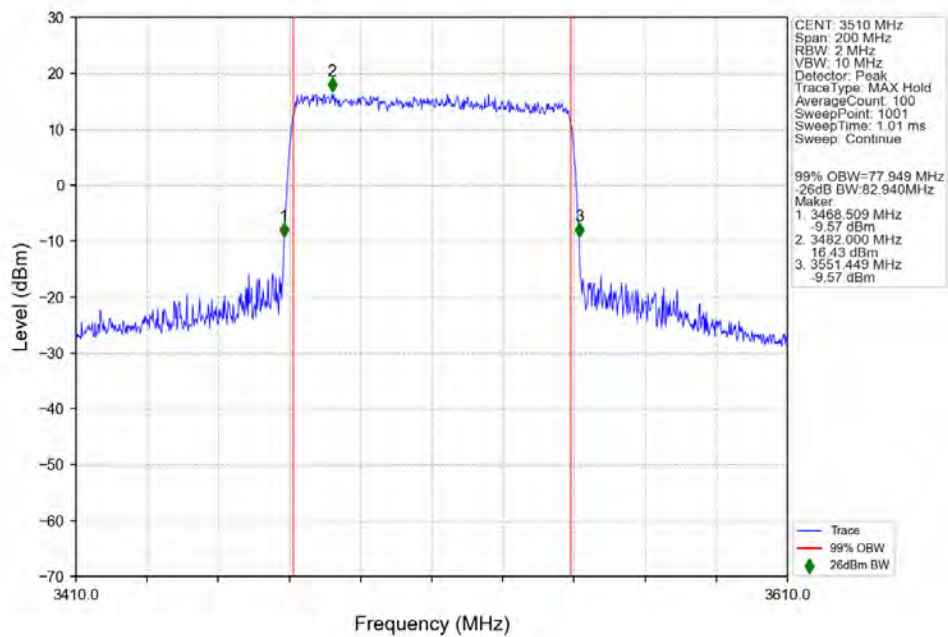
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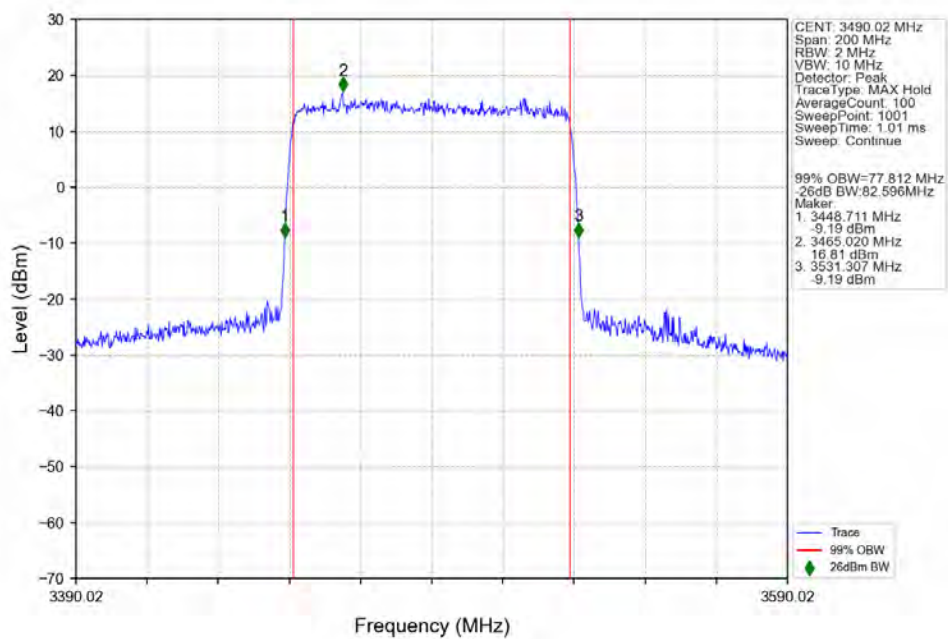
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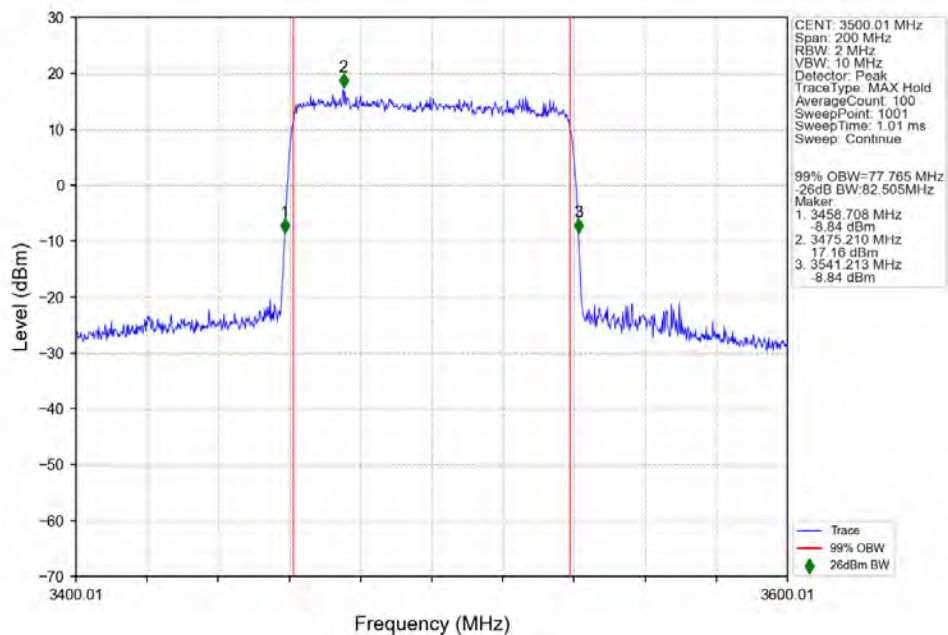
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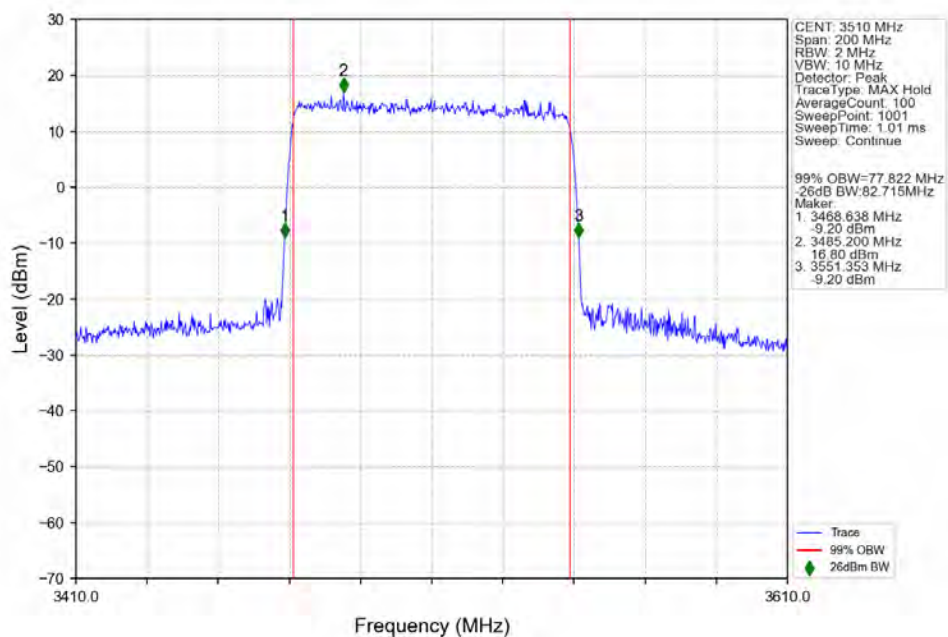
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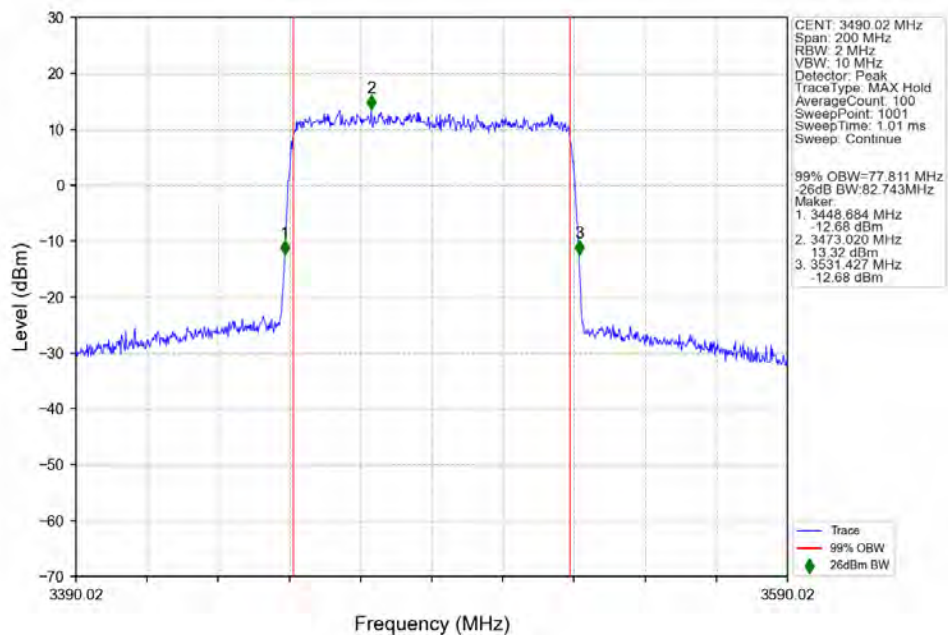
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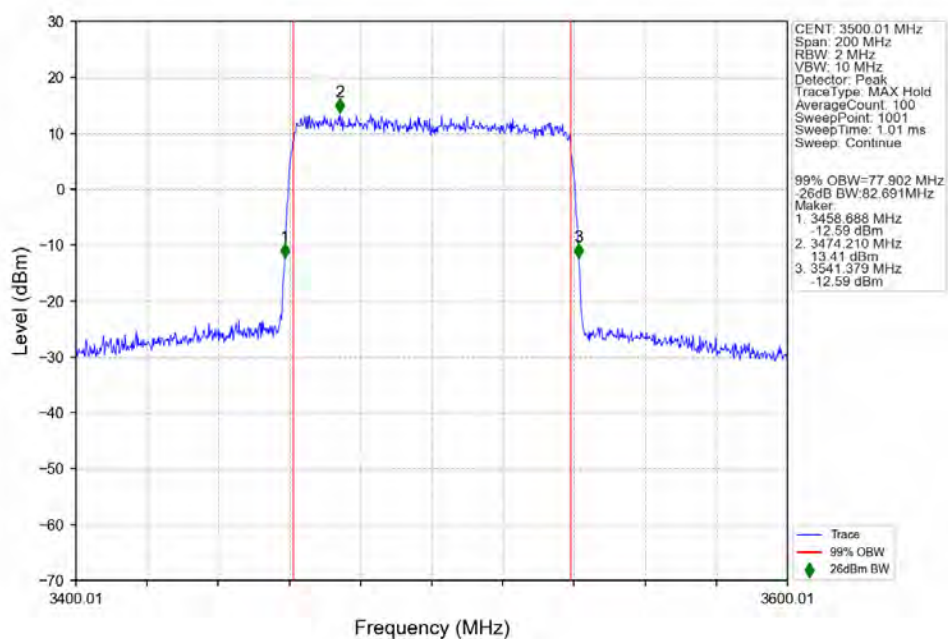
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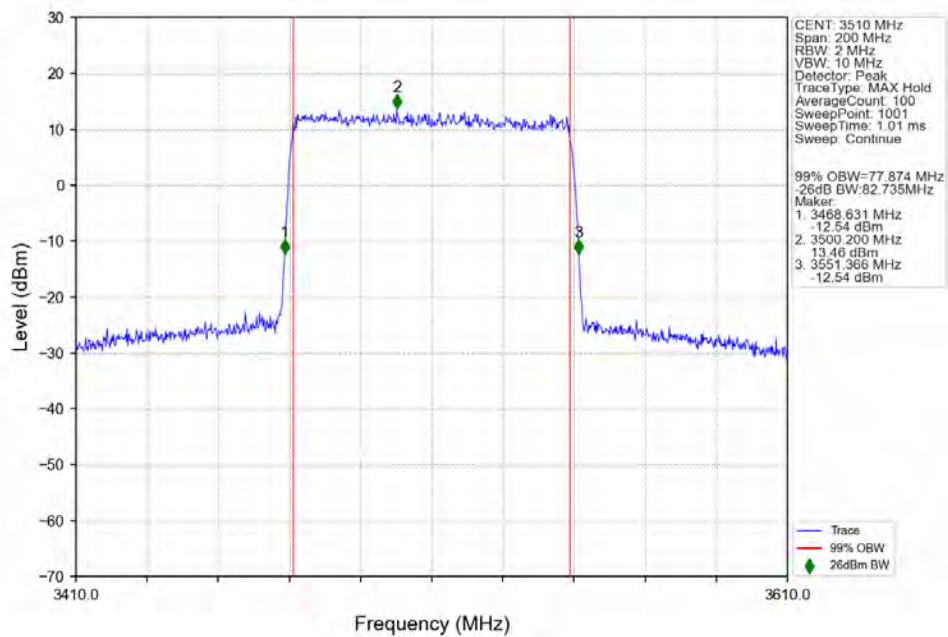
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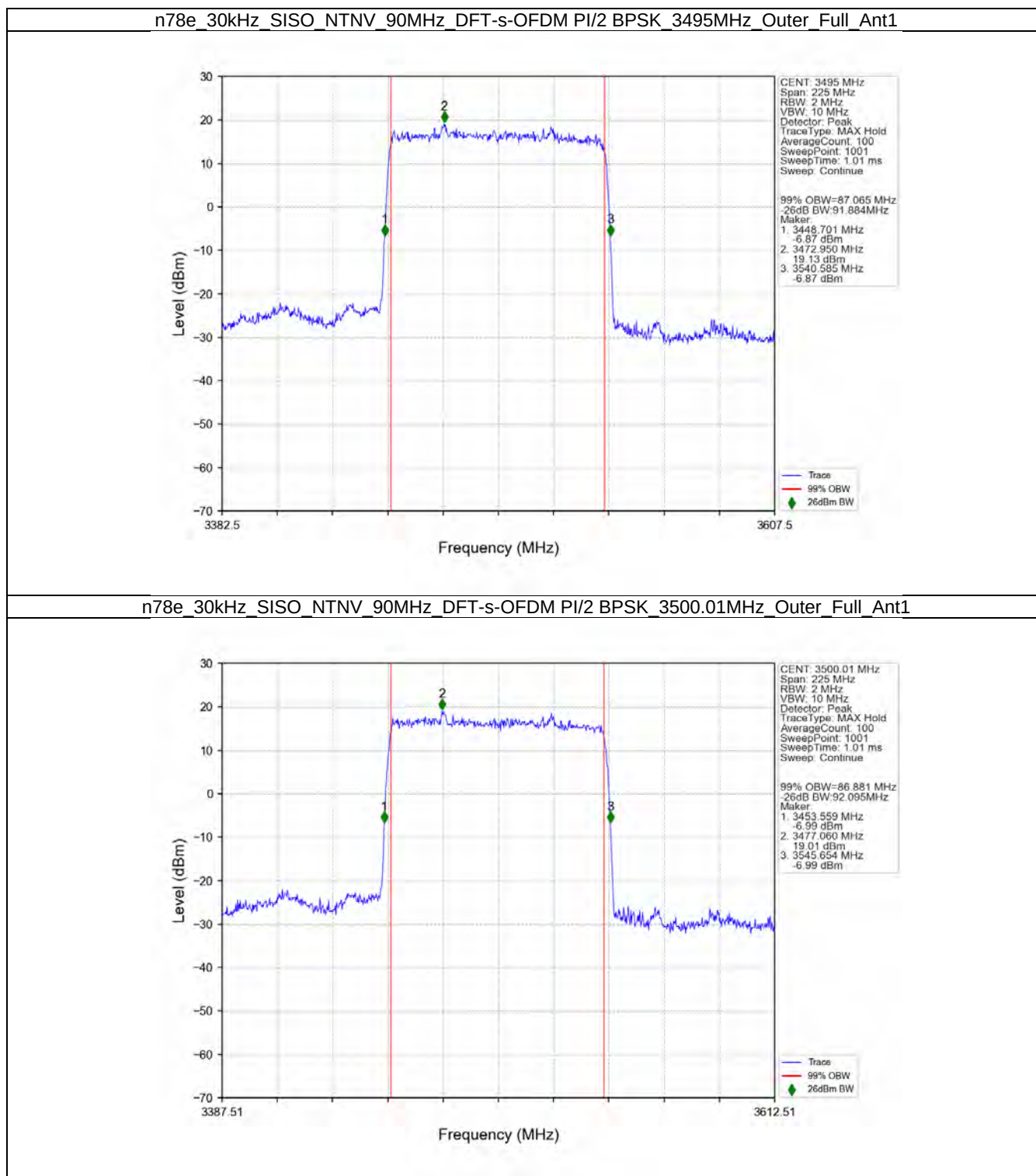
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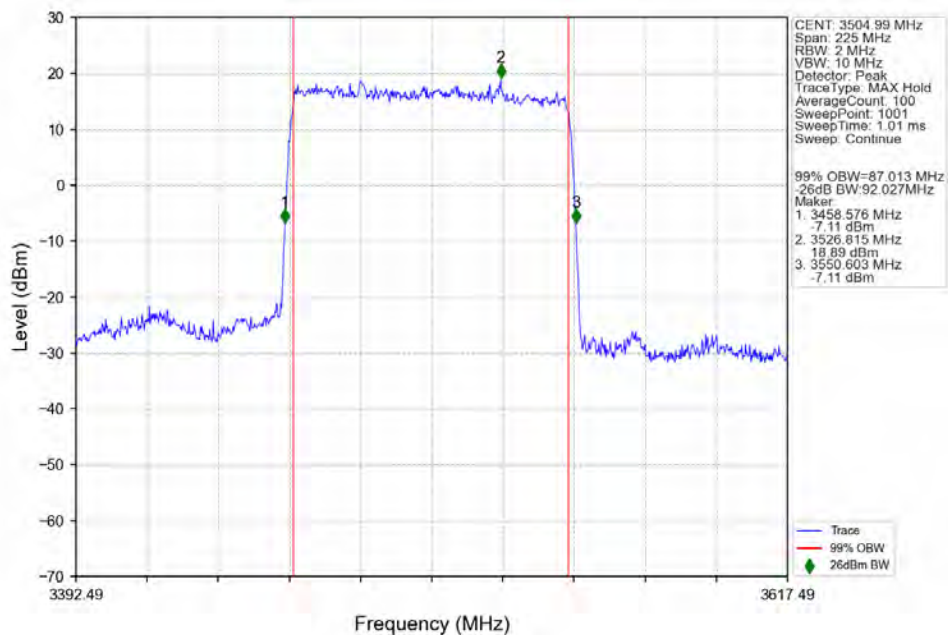
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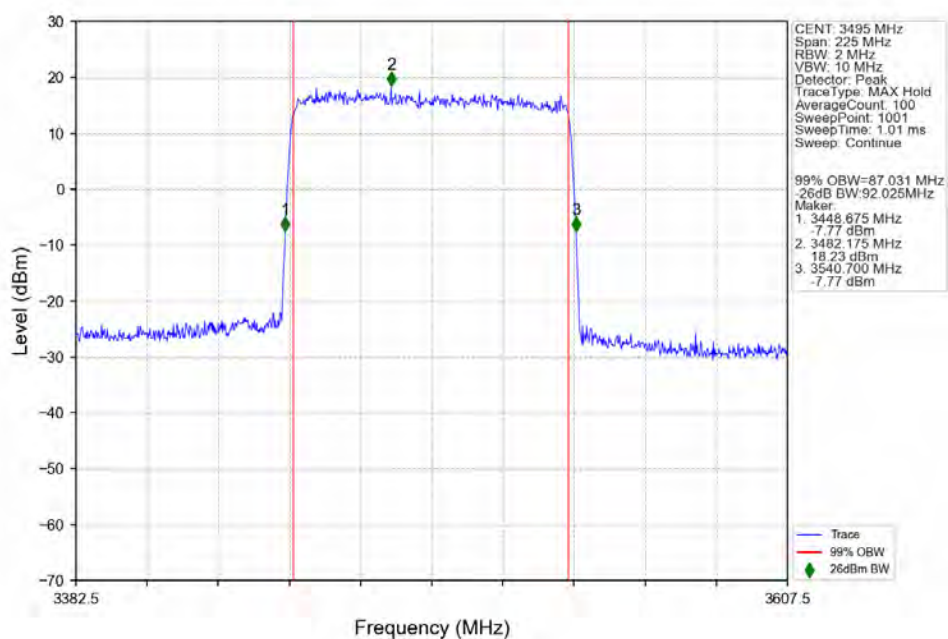
3.2.11 30k_SISO_90MHz_NTNV



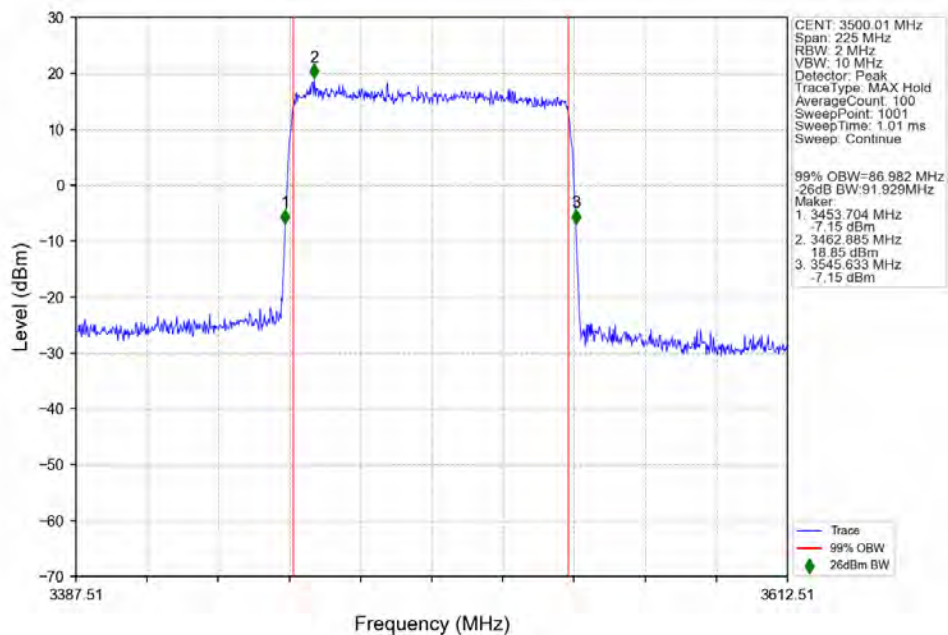
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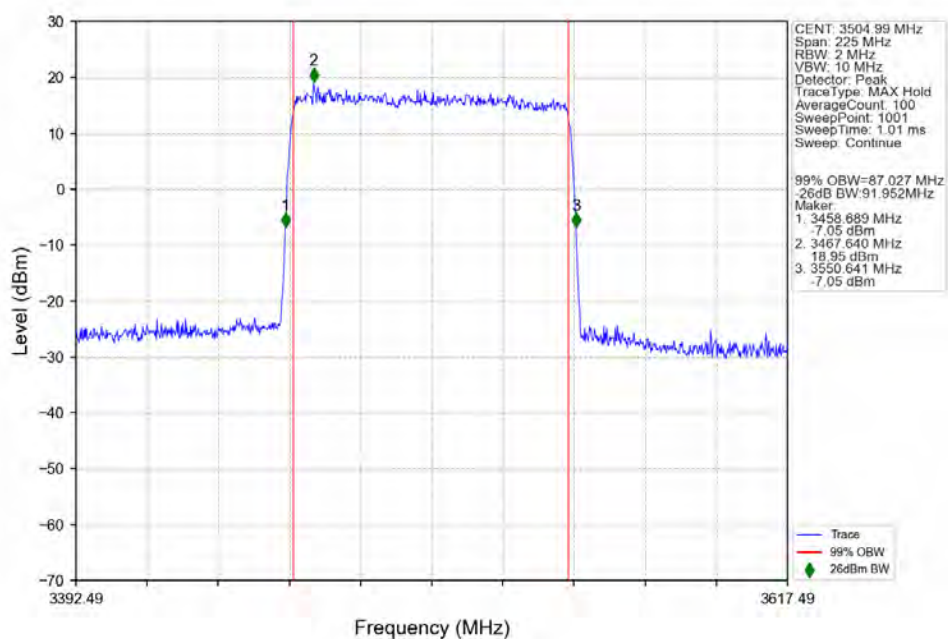
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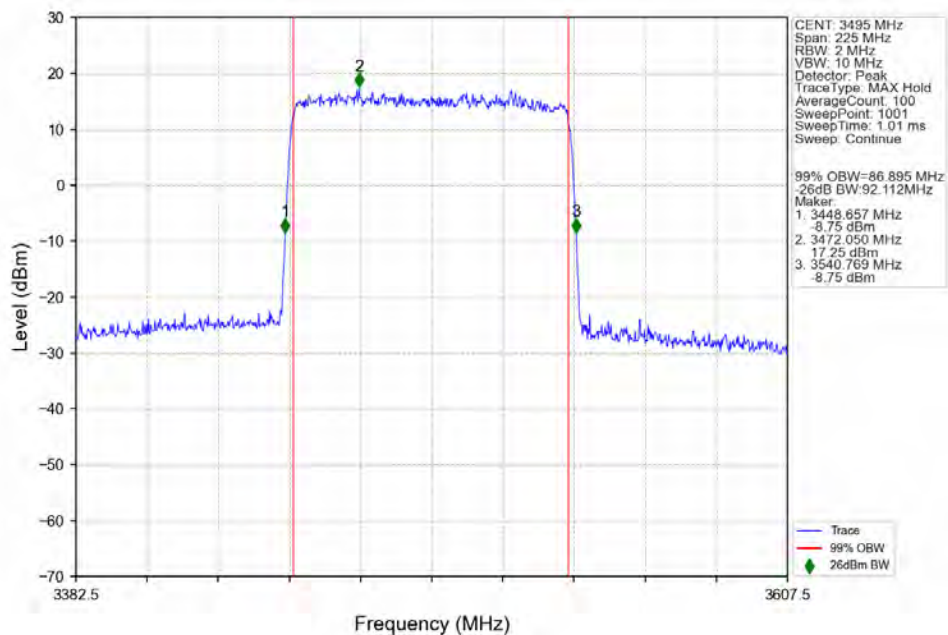
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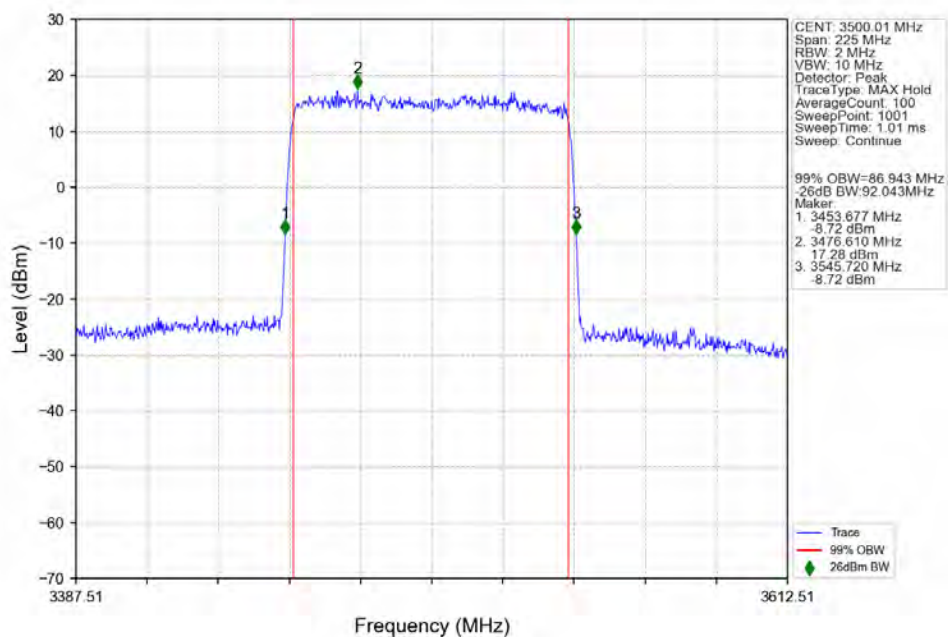
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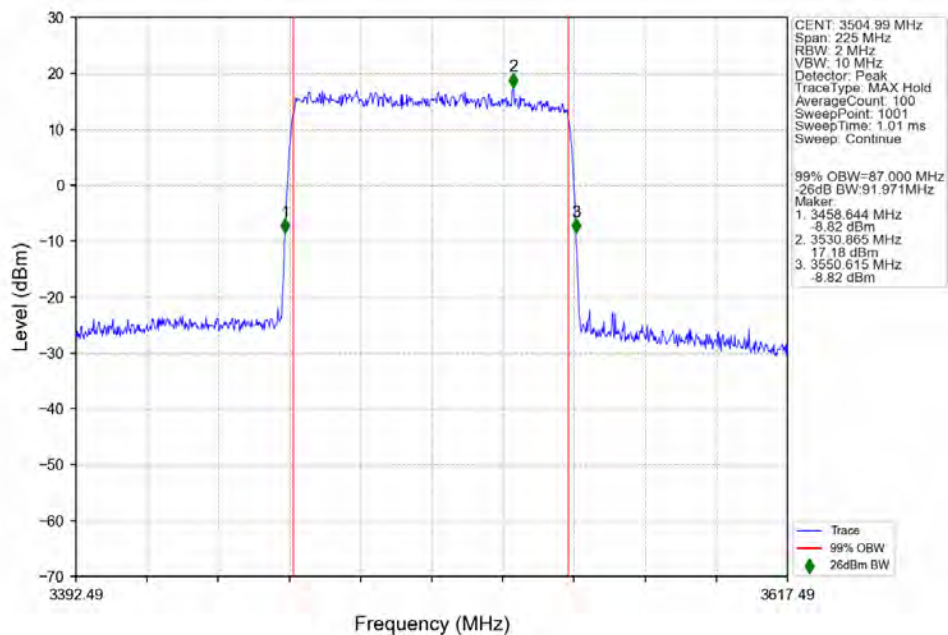
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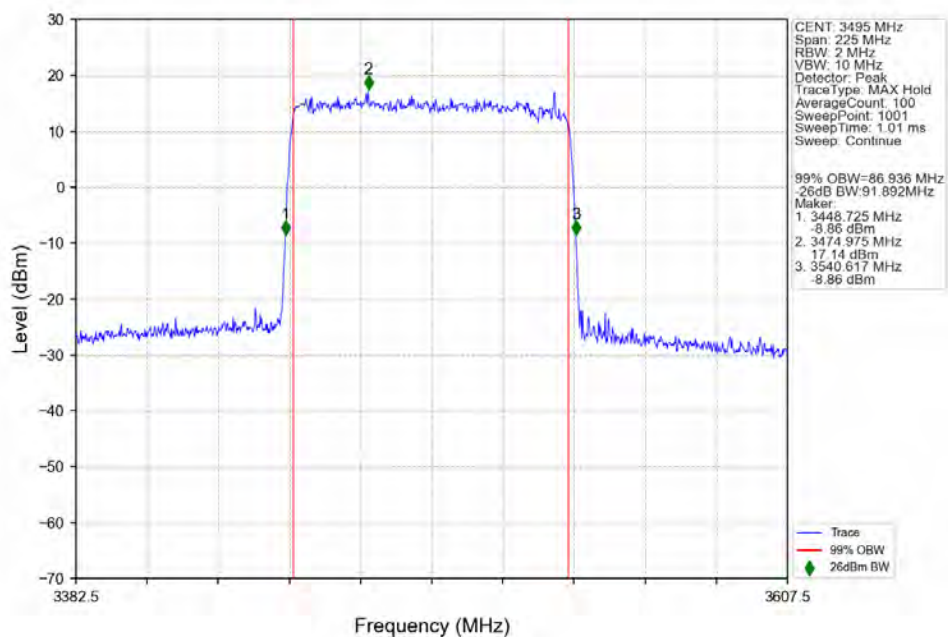
n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant1



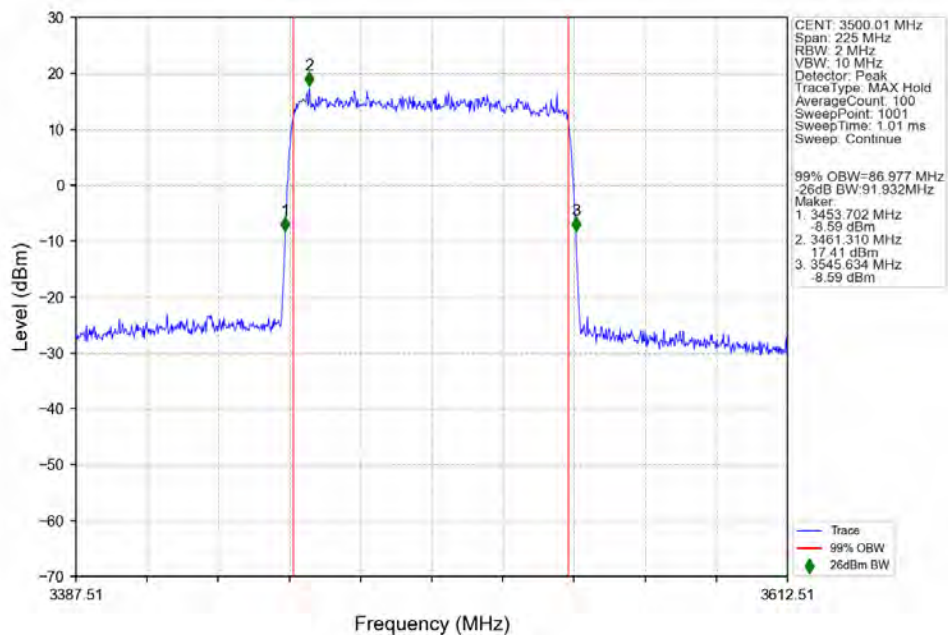
n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_3504.99MHz_Outer_Full_Ant1



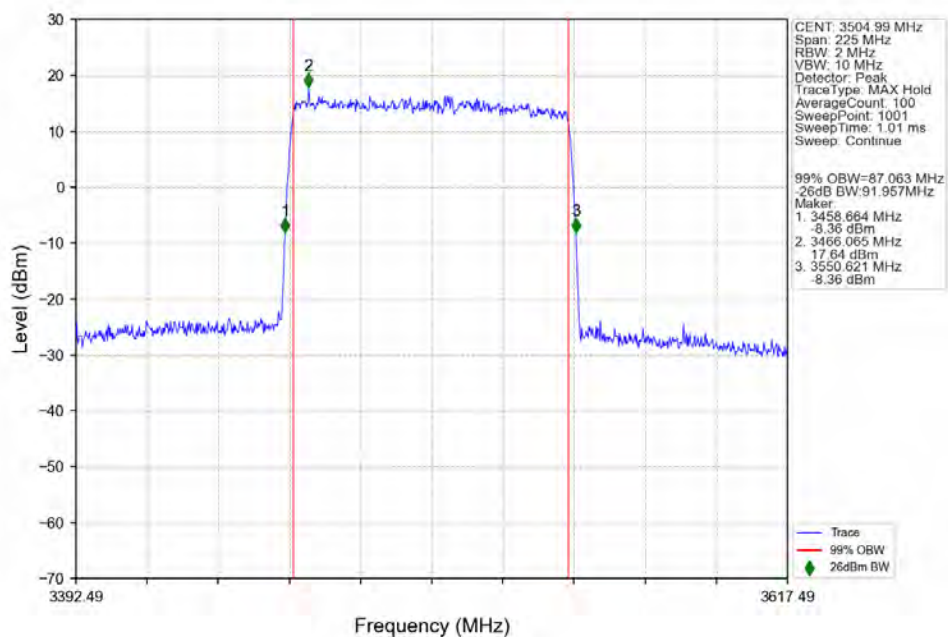
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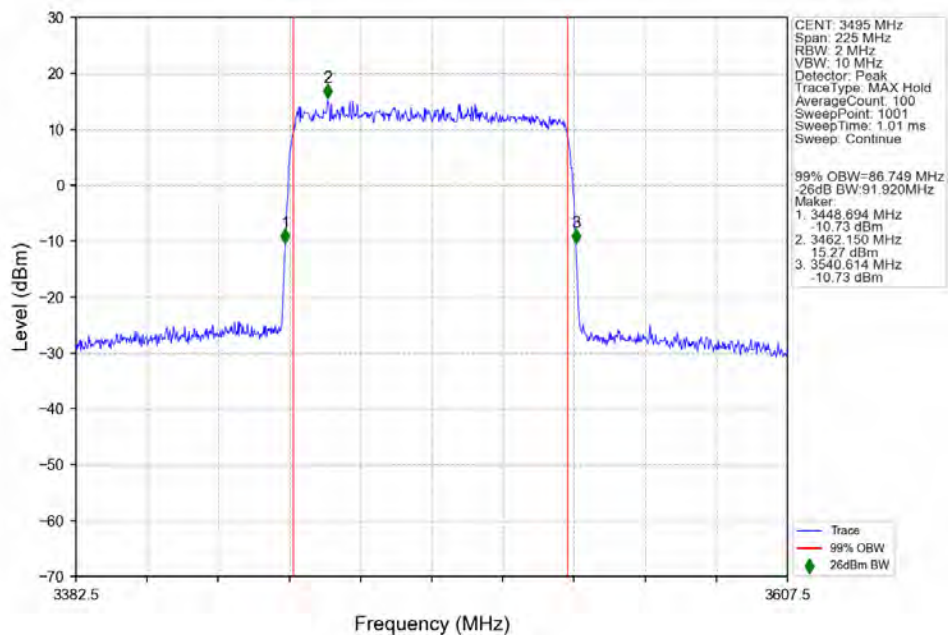
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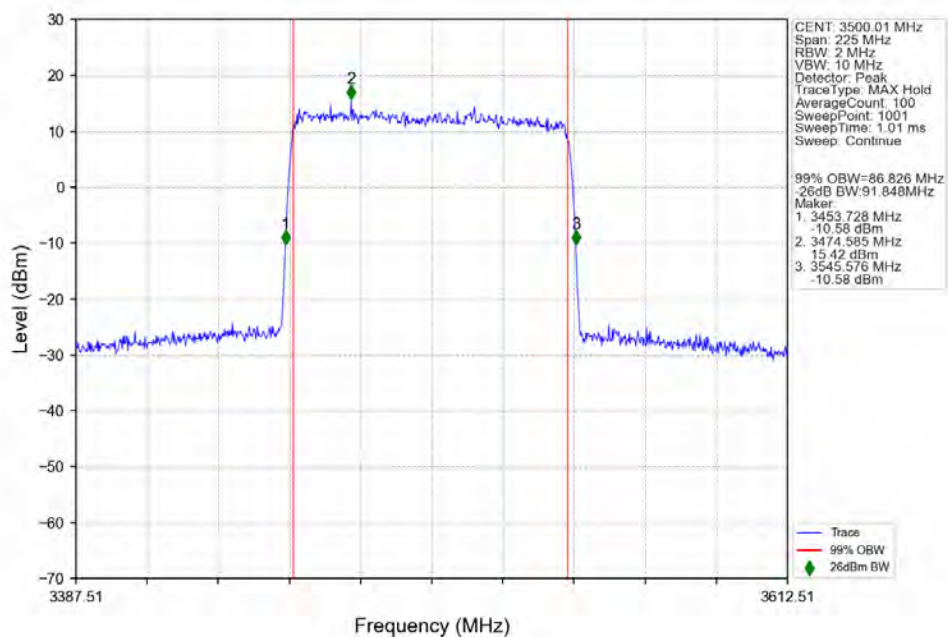
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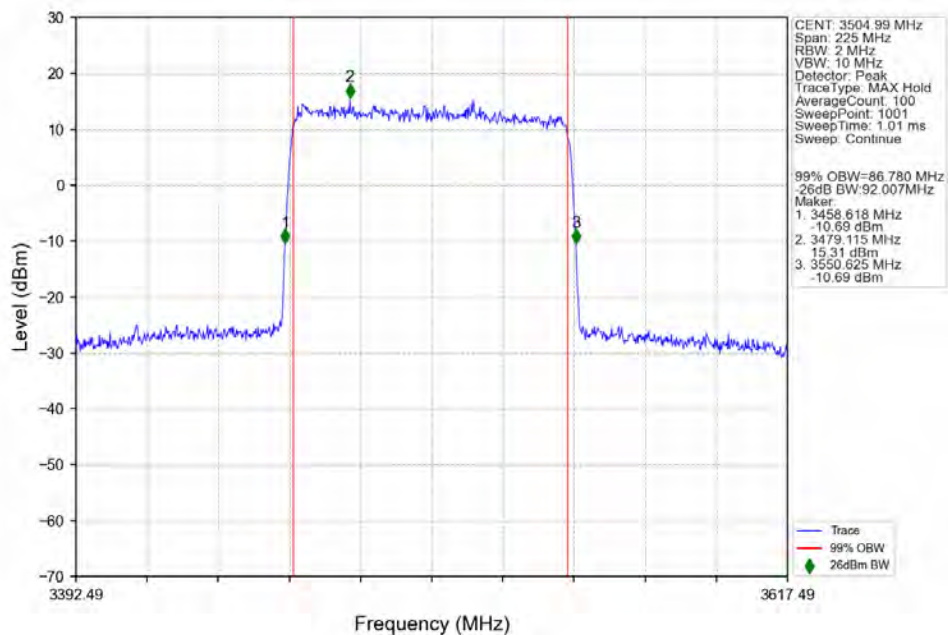
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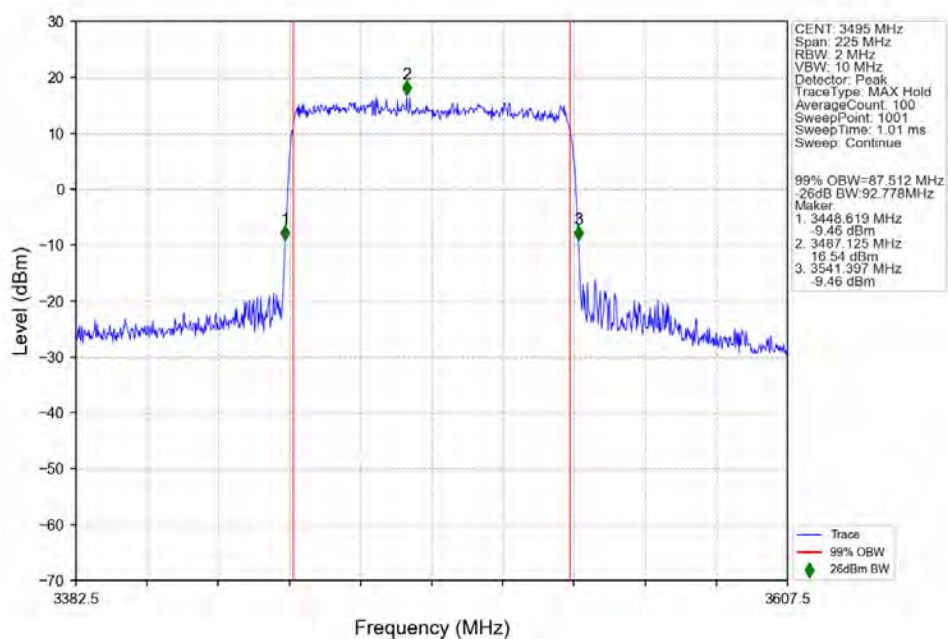
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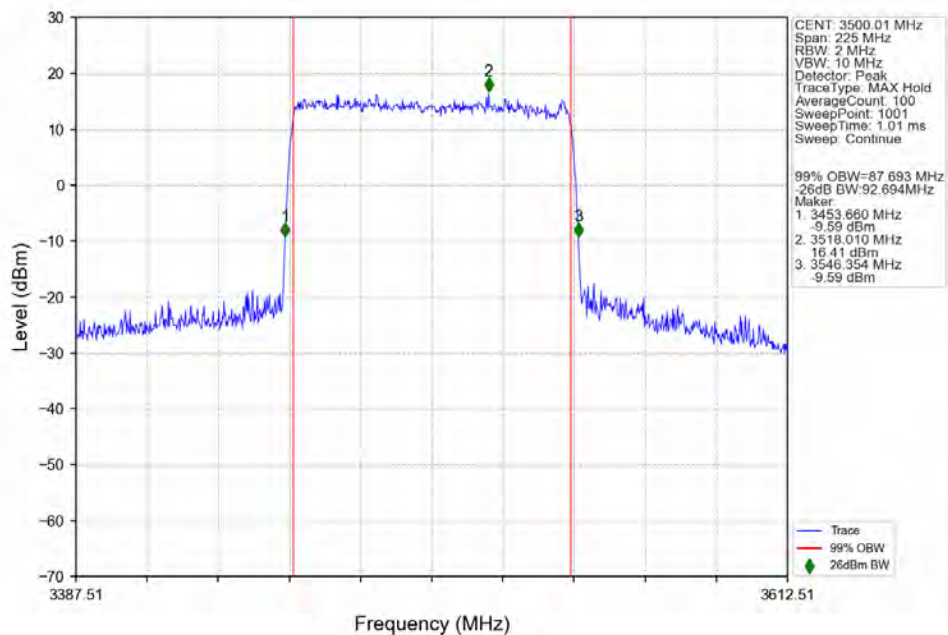
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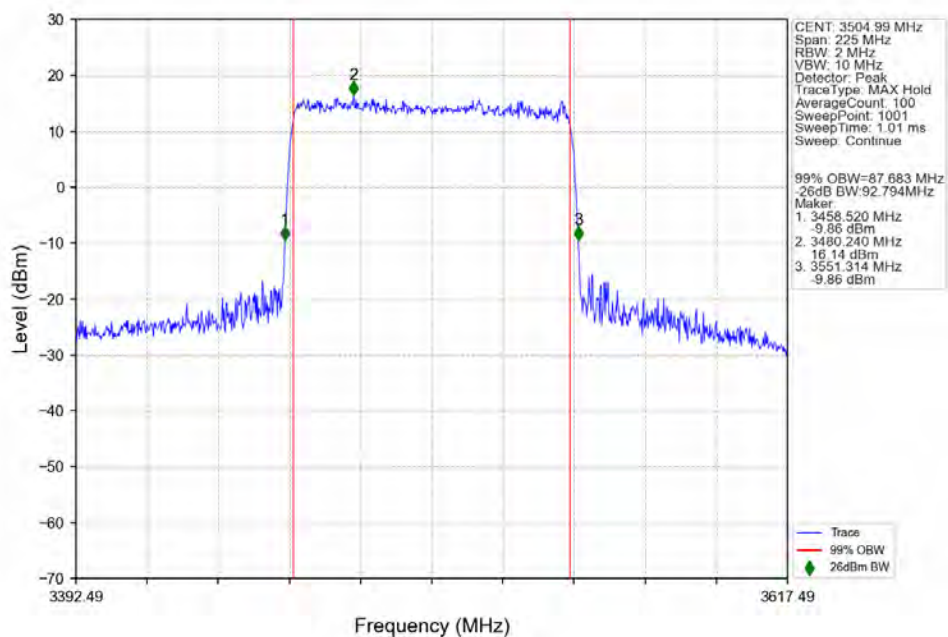
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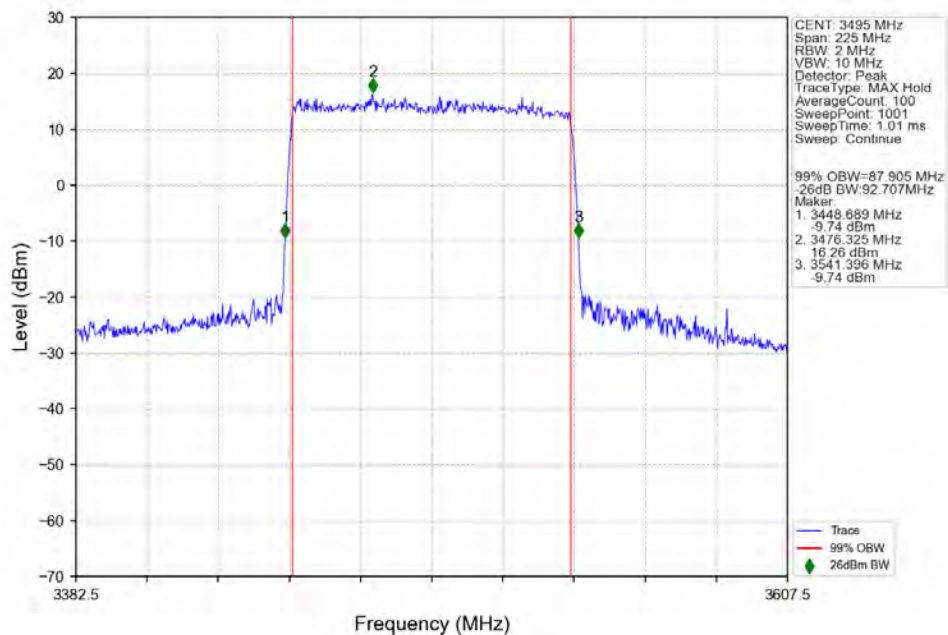
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant1



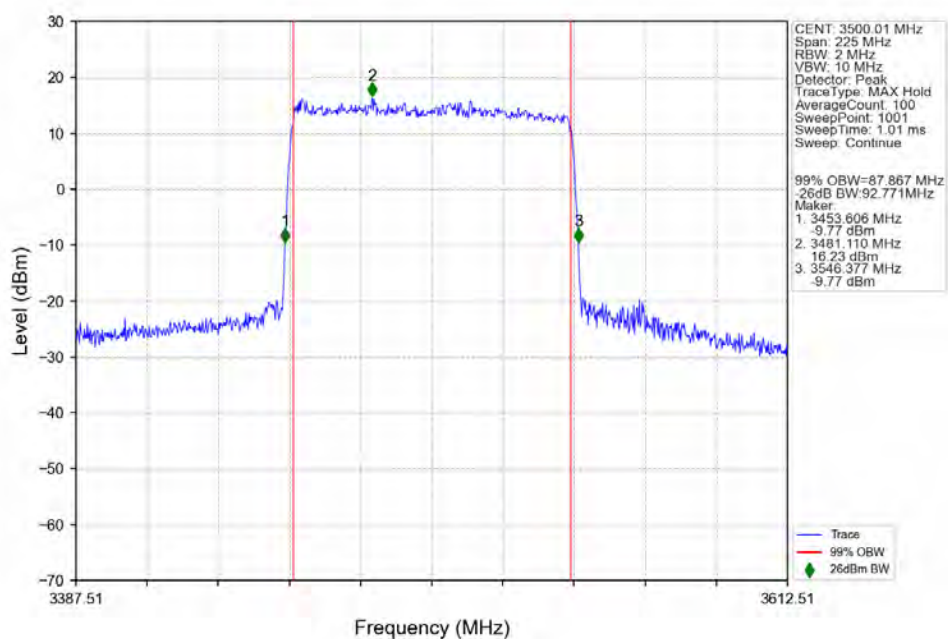
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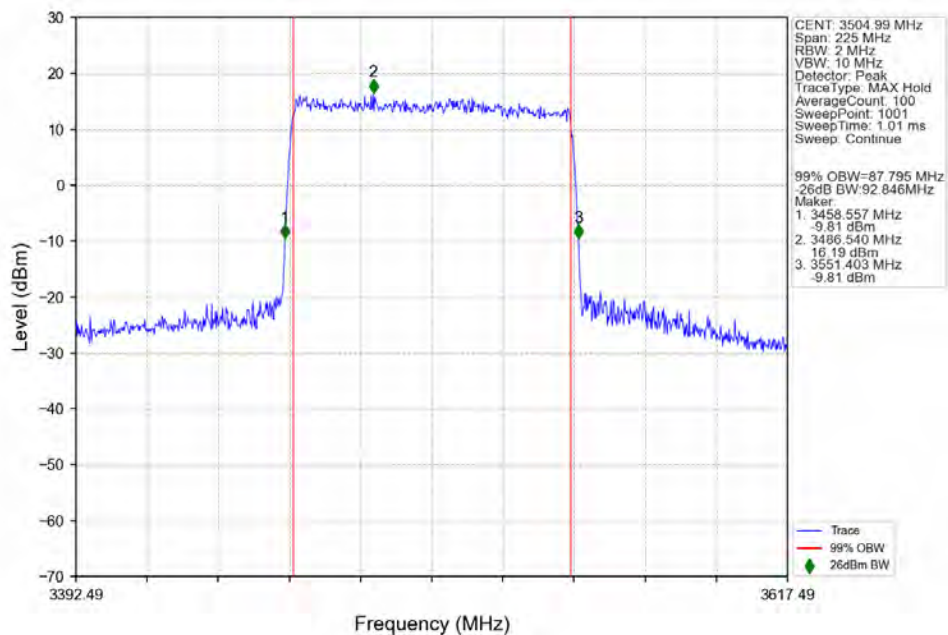
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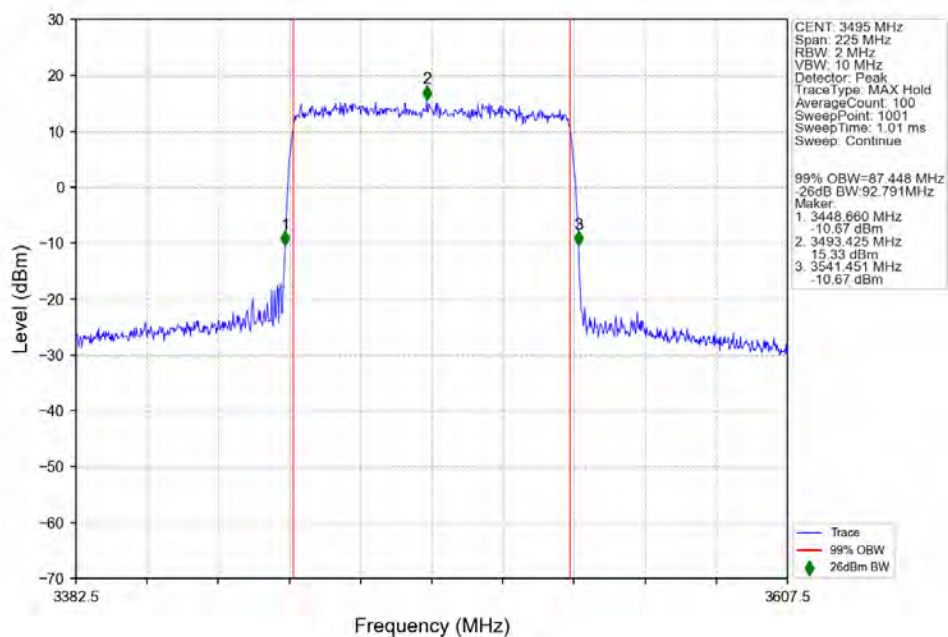
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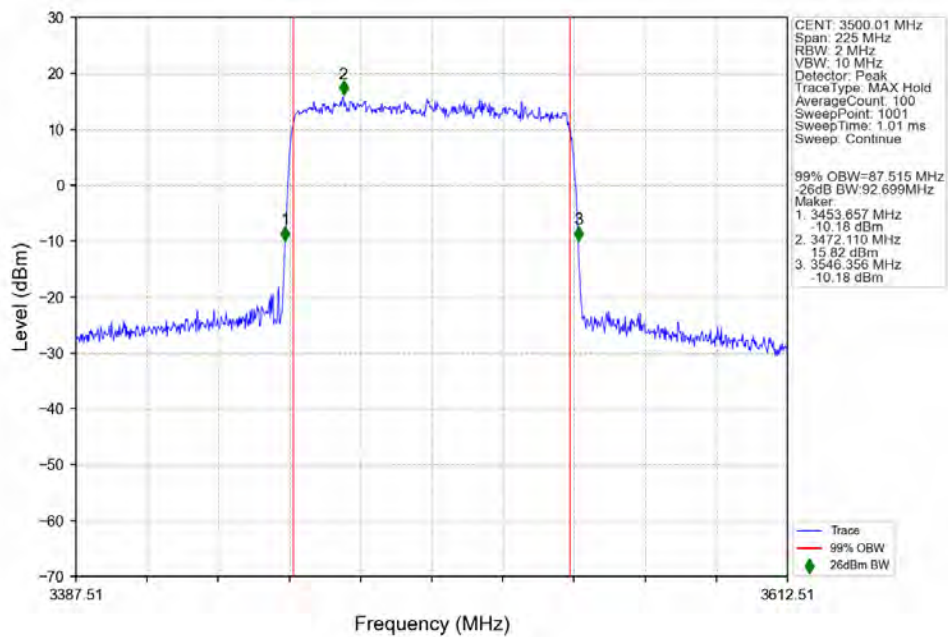
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_16_QAM_3504.99MHz_Outer_Full_Ant1



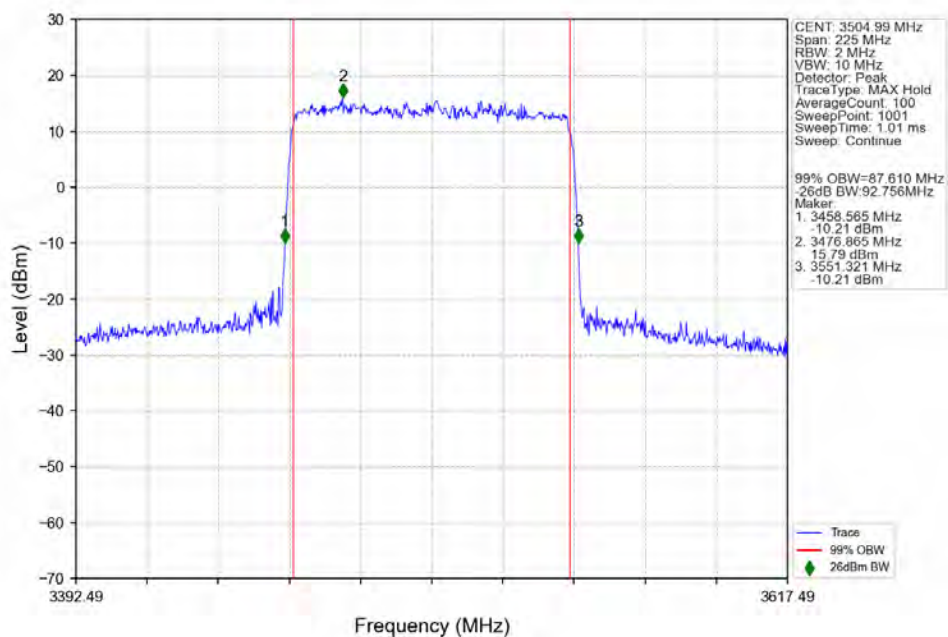
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_64_QAM_3495MHz_Outer_Full_Ant1



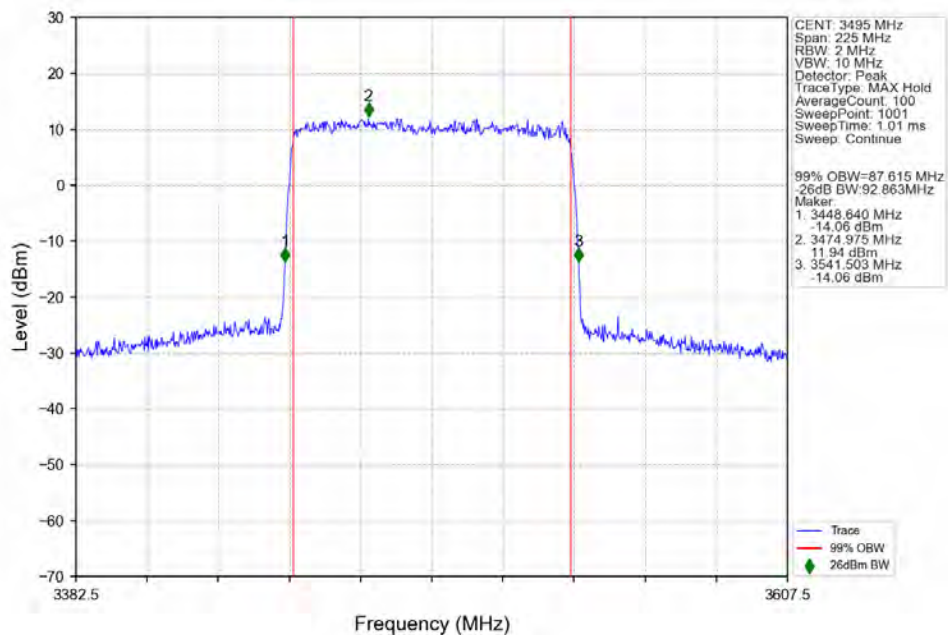
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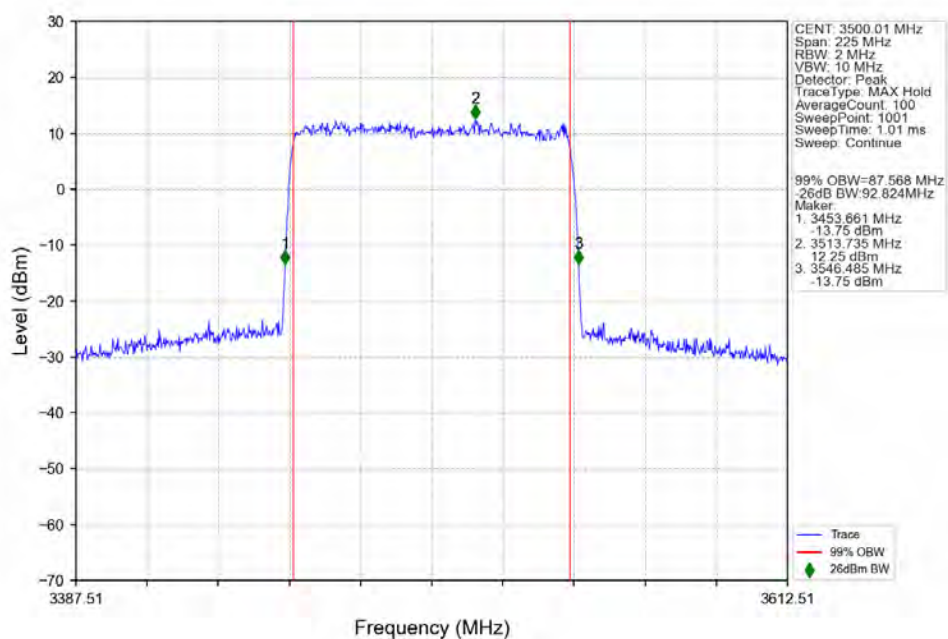
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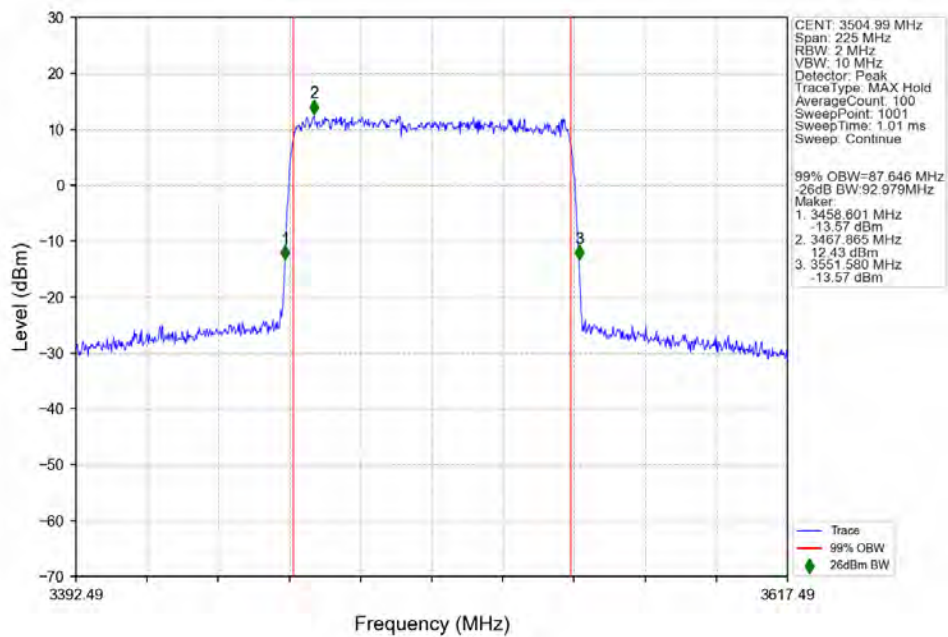
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3495MHz_Outer_Full_Ant1



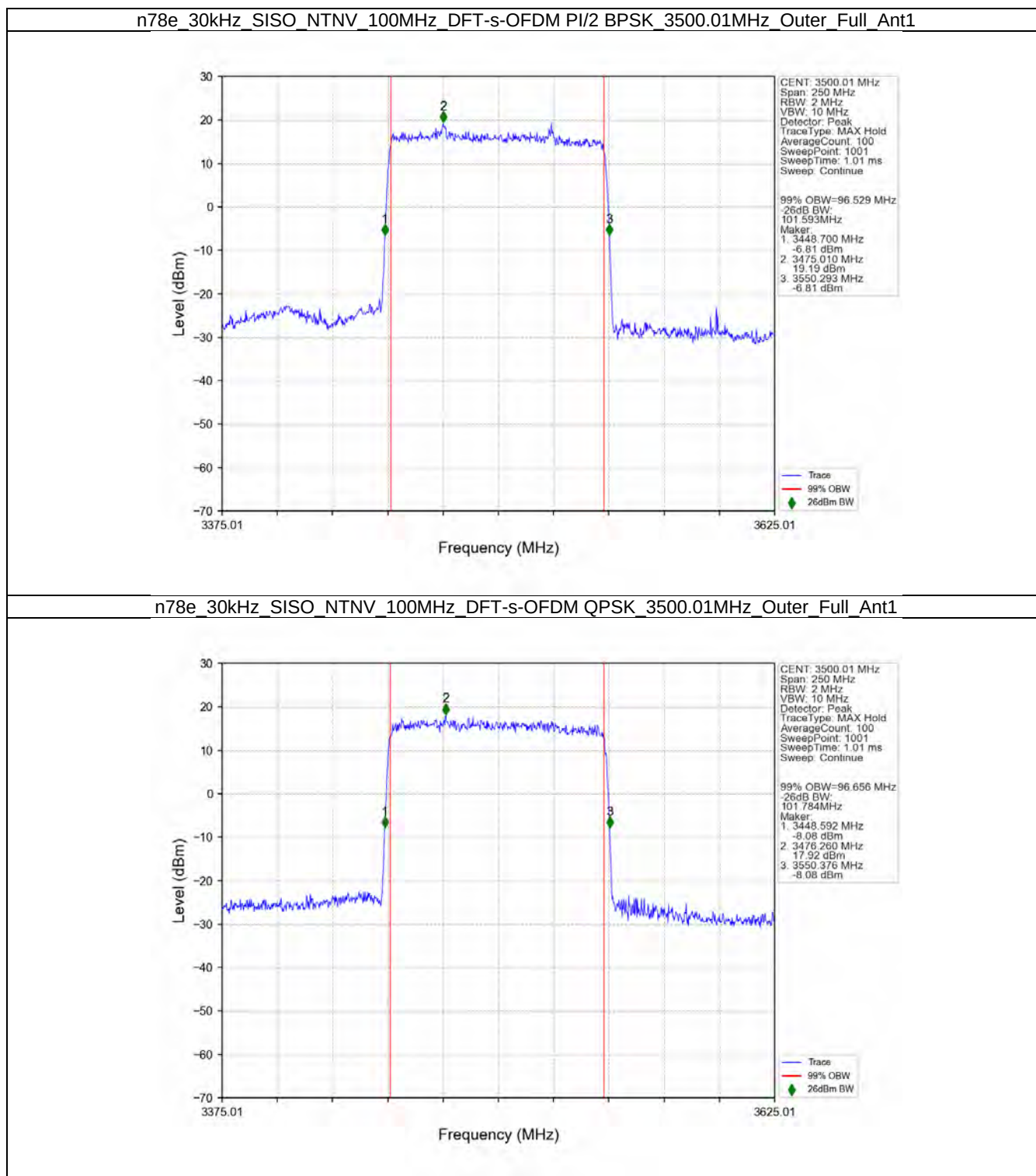
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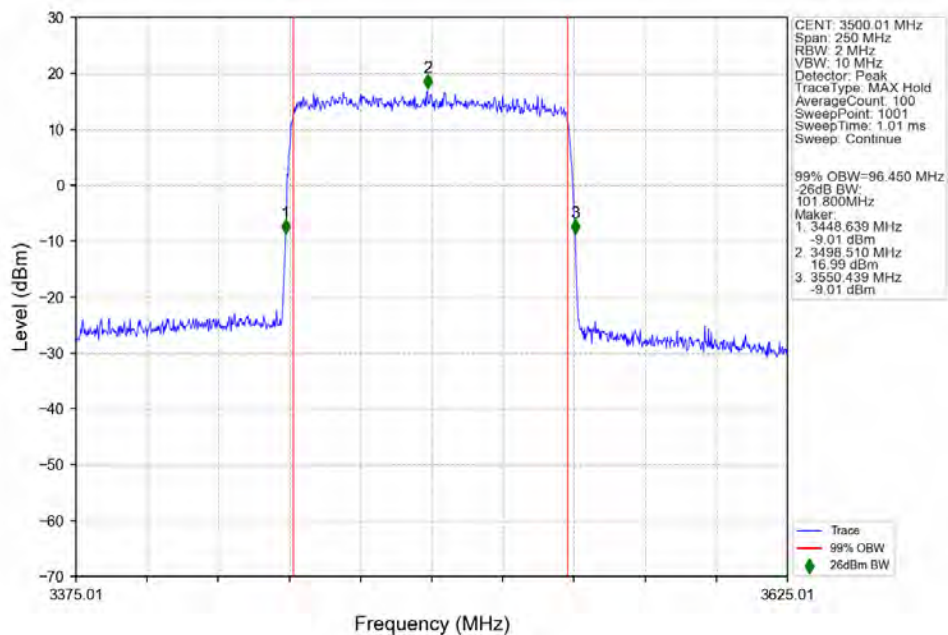
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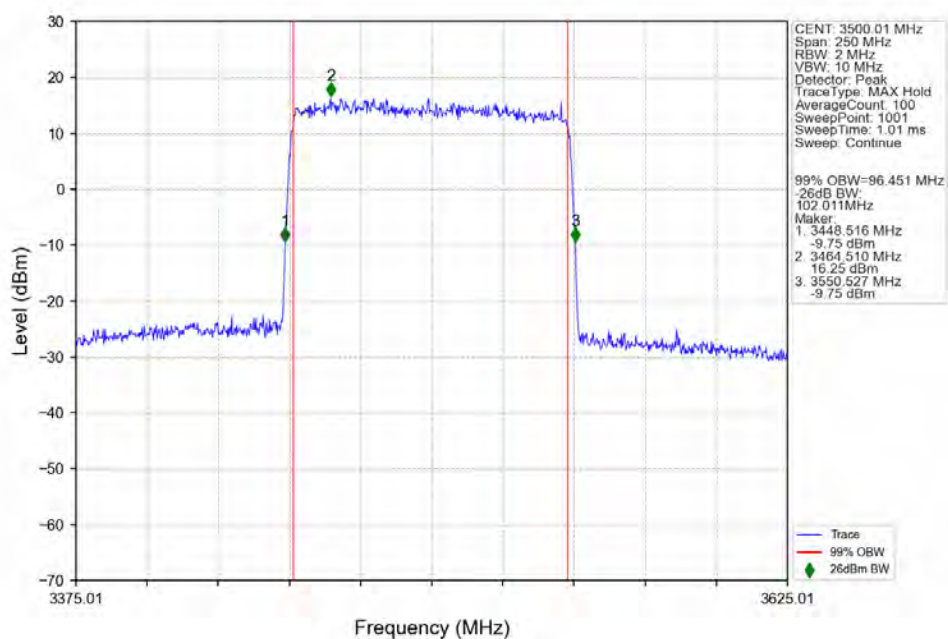
3.2.12 30k_SISO_100MHz_NTNV



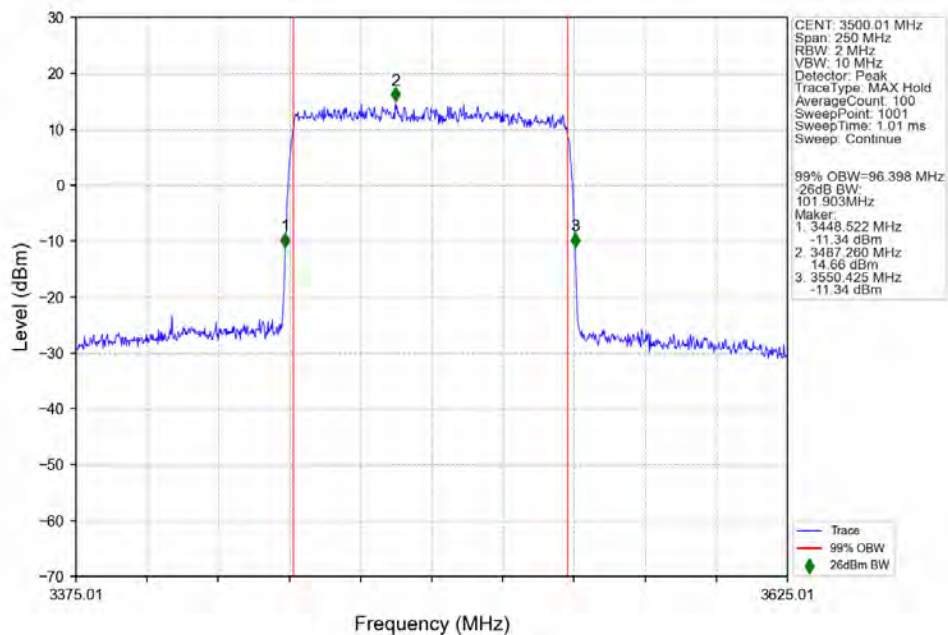
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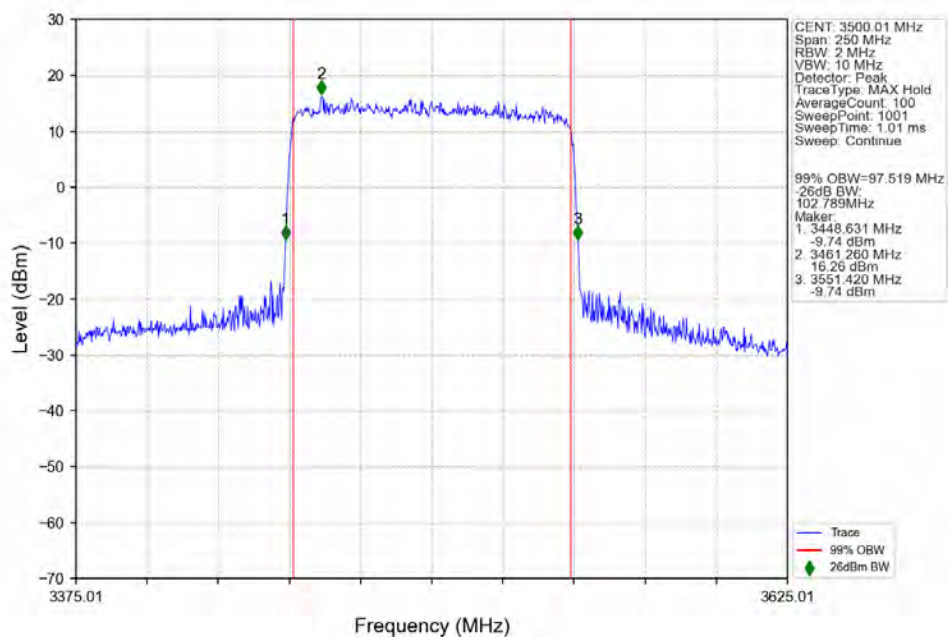
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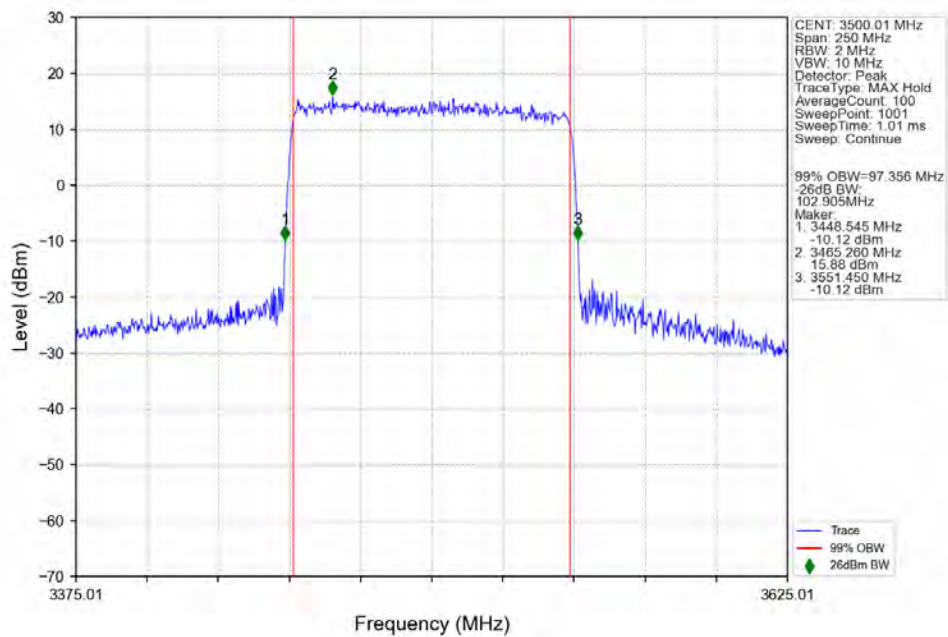
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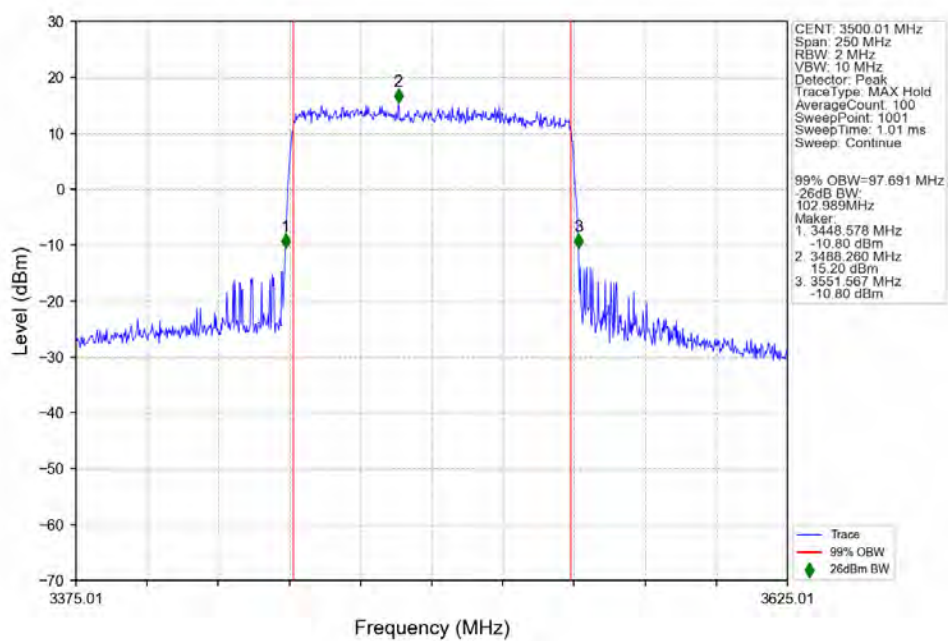
n78e_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant1



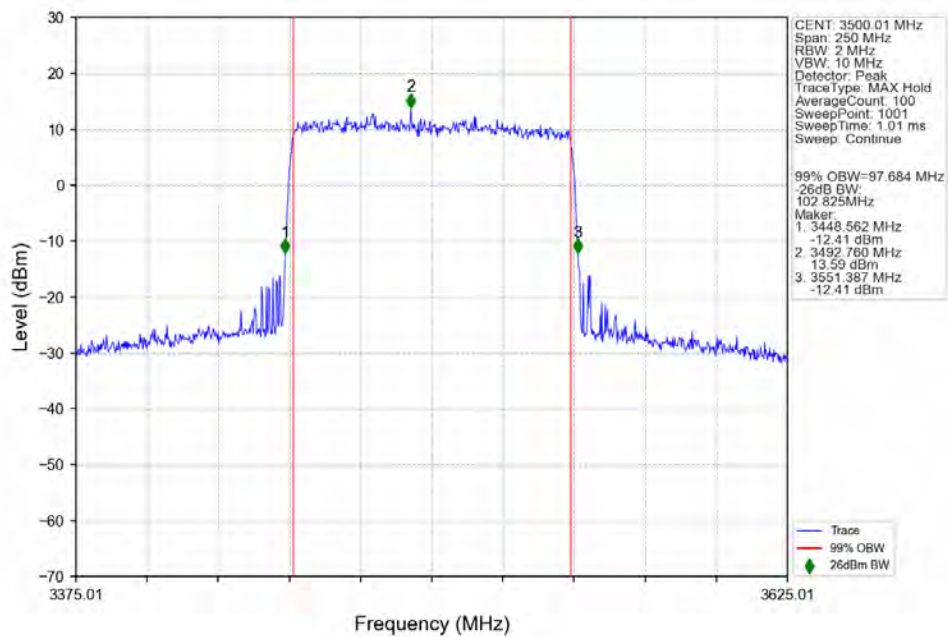
n78e_30kHz_SISO_NTNV_100MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant1



n78e_30kHz_SISO_NTNV_100MHz_CP-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant1



n78e_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant1



4. Peak-Average Ratio

4.1 Test Result

4.1.1 30k_SISO_10MHz_NTNV

5G NR n78e SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3455.01	Outer Full	4.48	/	/	<=13	Pass
	3500.01	Outer Full	4.42	/	/	<=13	Pass
	3544.98	Outer Full	4.52	/	/	<=13	Pass
DFT-s-OFDM QPSK	3455.01	Outer Full	5.76	/	/	<=13	Pass
	3500.01	Outer Full	5.62	/	/	<=13	Pass
	3544.98	Outer Full	5.72	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3455.01	Outer Full	6.62	/	/	<=13	Pass
	3500.01	Outer Full	6.46	/	/	<=13	Pass
	3544.98	Outer Full	6.54	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3455.01	Outer Full	6.70	/	/	<=13	Pass
	3500.01	Outer Full	6.68	/	/	<=13	Pass
	3544.98	Outer Full	6.70	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3455.01	Outer Full	6.86	/	/	<=13	Pass
	3500.01	Outer Full	6.80	/	/	<=13	Pass
	3544.98	Outer Full	7.00	/	/	<=13	Pass
CP-OFDM QPSK	3455.01	Outer Full	8.22	/	/	<=13	Pass
	3500.01	Outer Full	8.08	/	/	<=13	Pass
	3544.98	Outer Full	8.20	/	/	<=13	Pass
CP-OFDM 16 QAM	3455.01	Outer Full	8.60	/	/	<=13	Pass
	3500.01	Outer Full	8.38	/	/	<=13	Pass
	3544.98	Outer Full	8.58	/	/	<=13	Pass
CP-OFDM 64 QAM	3455.01	Outer Full	8.16	/	/	<=13	Pass
	3500.01	Outer Full	8.00	/	/	<=13	Pass
	3544.98	Outer Full	8.20	/	/	<=13	Pass
CP-OFDM 256 QAM	3455.01	Outer Full	8.74	/	/	<=13	Pass
	3500.01	Outer Full	8.52	/	/	<=13	Pass
	3544.98	Outer Full	8.68	/	/	<=13	Pass

4.1.2 30k_SISO_15MHz_NTNV

5G NR n78e SCS=30kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3457.5	Outer Full	4.56	/	/	<=13	Pass
	3500.01	Outer Full	4.46	/	/	<=13	Pass
	3542.49	Outer Full	4.56	/	/	<=13	Pass
DFT-s-OFDM QPSK	3457.5	Outer Full	5.72	/	/	<=13	Pass
	3500.01	Outer Full	5.56	/	/	<=13	Pass
	3542.49	Outer Full	5.68	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3457.5	Outer Full	6.34	/	/	<=13	Pass
	3500.01	Outer Full	6.20	/	/	<=13	Pass
	3542.49	Outer Full	6.40	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3457.5	Outer Full	6.62	/	/	<=13	Pass
	3500.01	Outer Full	6.48	/	/	<=13	Pass
	3542.49	Outer Full	6.62	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	3457.5	Outer_Full	6.78	/	/	<=13	Pass
	3500.01	Outer_Full	6.76	/	/	<=13	Pass
	3542.49	Outer_Full	6.86	/	/	<=13	Pass
CP-OFDM QPSK	3457.5	Outer_Full	8.18	/	/	<=13	Pass
	3500.01	Outer_Full	8.04	/	/	<=13	Pass
	3542.49	Outer_Full	8.22	/	/	<=13	Pass
CP-OFDM 16 QAM	3457.5	Outer_Full	8.06	/	/	<=13	Pass
	3500.01	Outer_Full	7.90	/	/	<=13	Pass
	3542.49	Outer_Full	8.14	/	/	<=13	Pass
CP-OFDM 64 QAM	3457.5	Outer_Full	8.28	/	/	<=13	Pass
	3500.01	Outer_Full	8.12	/	/	<=13	Pass
	3542.49	Outer_Full	8.30	/	/	<=13	Pass
CP-OFDM 256 QAM	3457.5	Outer_Full	8.58	/	/	<=13	Pass
	3500.01	Outer_Full	8.50	/	/	<=13	Pass
	3542.49	Outer_Full	8.68	/	/	<=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
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3460.02	Outer_Full	4.60	/	/	<=13	Pass
	3500.01	Outer_Full	4.54	/	/	<=13	Pass
	3540	Outer_Full	4.62	/	/	<=13	Pass
DFT-s-OFDM QPSK	3460.02	Outer_Full	5.72	/	/	<=13	Pass
	3500.01	Outer_Full	5.66	/	/	<=13	Pass
	3540	Outer_Full	5.76	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3460.02	Outer_Full	6.50	/	/	<=13	Pass
	3500.01	Outer_Full	6.42	/	/	<=13	Pass
	3540	Outer_Full	6.52	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3460.02	Outer_Full	6.60	/	/	<=13	Pass
	3500.01	Outer_Full	6.50	/	/	<=13	Pass
	3540	Outer_Full	6.62	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3460.02	Outer_Full	6.78	/	/	<=13	Pass
	3500.01	Outer_Full	6.70	/	/	<=13	Pass
	3540	Outer_Full	6.84	/	/	<=13	Pass
CP-OFDM QPSK	3460.02	Outer_Full	8.28	/	/	<=13	Pass
	3500.01	Outer_Full	8.10	/	/	<=13	Pass
	3540	Outer_Full	8.32	/	/	<=13	Pass
CP-OFDM 16 QAM	3460.02	Outer_Full	8.18	/	/	<=13	Pass
	3500.01	Outer_Full	8.06	/	/	<=13	Pass
	3540	Outer_Full	8.28	/	/	<=13	Pass
CP-OFDM 64 QAM	3460.02	Outer_Full	8.38	/	/	<=13	Pass
	3500.01	Outer_Full	8.14	/	/	<=13	Pass
	3540	Outer_Full	8.34	/	/	<=13	Pass
CP-OFDM 256 QAM	3460.02	Outer_Full	8.58	/	/	<=13	Pass
	3500.01	Outer_Full	8.30	/	/	<=13	Pass
	3540	Outer_Full	8.50	/	/	<=13	Pass

4.1.4 30k_SISO_25MHz_NTNV

5G NR n78e SCS=30kHz SISO 25MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3462.51	Outer_Full	4.50	/	/	<=13	Pass
	3500.01	Outer_Full	4.46	/	/	<=13	Pass

	3537.48	Outer_Full	4.56	/	/	<=13	Pass
DFT-s-OFDM QPSK	3462.51	Outer_Full	5.72	/	/	<=13	Pass
	3500.01	Outer_Full	5.68	/	/	<=13	Pass
	3537.48	Outer_Full	5.76	/	/	<=13	Pass
	3462.51	Outer_Full	6.40	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	6.32	/	/	<=13	Pass
	3537.48	Outer_Full	6.40	/	/	<=13	Pass
	3462.51	Outer_Full	6.58	/	/	<=13	Pass
	3500.01	Outer_Full	6.46	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3537.48	Outer_Full	6.54	/	/	<=13	Pass
	3462.51	Outer_Full	6.78	/	/	<=13	Pass
	3500.01	Outer_Full	6.78	/	/	<=13	Pass
	3537.48	Outer_Full	6.84	/	/	<=13	Pass
CP-OFDM QPSK	3462.51	Outer_Full	8.12	/	/	<=13	Pass
	3500.01	Outer_Full	7.98	/	/	<=13	Pass
	3537.48	Outer_Full	8.10	/	/	<=13	Pass
	3462.51	Outer_Full	8.18	/	/	<=13	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	8.02	/	/	<=13	Pass
	3537.48	Outer_Full	8.10	/	/	<=13	Pass
	3462.51	Outer_Full	8.18	/	/	<=13	Pass
	3500.01	Outer_Full	8.18	/	/	<=13	Pass
CP-OFDM 64 QAM	3537.48	Outer_Full	8.20	/	/	<=13	Pass
	3462.51	Outer_Full	8.52	/	/	<=13	Pass
	3500.01	Outer_Full	8.48	/	/	<=13	Pass
	3537.48	Outer_Full	8.56	/	/	<=13	Pass

4.1.5 30k_SISO_30MHz_NTNV

5G NR n78e SCS=30kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3465	Outer_Full	4.38	/	/	<=13	Pass
	3500.01	Outer_Full	4.42	/	/	<=13	Pass
	3534.99	Outer_Full	4.46	/	/	<=13	Pass
DFT-s-OFDM QPSK	3465	Outer_Full	5.62	/	/	<=13	Pass
	3500.01	Outer_Full	5.58	/	/	<=13	Pass
	3534.99	Outer_Full	5.64	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3465	Outer_Full	6.38	/	/	<=13	Pass
	3500.01	Outer_Full	6.32	/	/	<=13	Pass
	3534.99	Outer_Full	6.38	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3465	Outer_Full	6.52	/	/	<=13	Pass
	3500.01	Outer_Full	6.42	/	/	<=13	Pass
	3534.99	Outer_Full	6.48	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3465	Outer_Full	6.68	/	/	<=13	Pass
	3500.01	Outer_Full	6.66	/	/	<=13	Pass
	3534.99	Outer_Full	6.76	/	/	<=13	Pass
CP-OFDM QPSK	3465	Outer_Full	8.06	/	/	<=13	Pass
	3500.01	Outer_Full	7.94	/	/	<=13	Pass
	3534.99	Outer_Full	8.06	/	/	<=13	Pass
CP-OFDM 16 QAM	3465	Outer_Full	8.06	/	/	<=13	Pass
	3500.01	Outer_Full	7.92	/	/	<=13	Pass
	3534.99	Outer_Full	8.04	/	/	<=13	Pass
CP-OFDM 64 QAM	3465	Outer_Full	8.22	/	/	<=13	Pass
	3500.01	Outer_Full	8.12	/	/	<=13	Pass
	3534.99	Outer_Full	8.26	/	/	<=13	Pass
CP-OFDM 256 QAM	3465	Outer_Full	8.56	/	/	<=13	Pass
	3500.01	Outer_Full	8.52	/	/	<=13	Pass

	3534.99	Outer_Full	8.66	/	/	<=13	Pass
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4.1.6 30k_SISO_40MHz_NTNV

5G NR n78e SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3470.01	Outer_Full	4.34	/	/	<=13	Pass
	3500.01	Outer_Full	4.50	/	/	<=13	Pass
	3529.98	Outer_Full	4.46	/	/	<=13	Pass
DFT-s-OFDM QPSK	3470.01	Outer_Full	5.58	/	/	<=13	Pass
	3500.01	Outer_Full	5.64	/	/	<=13	Pass
	3529.98	Outer_Full	5.64	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3470.01	Outer_Full	6.34	/	/	<=13	Pass
	3500.01	Outer_Full	6.30	/	/	<=13	Pass
	3529.98	Outer_Full	6.34	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3470.01	Outer_Full	6.56	/	/	<=13	Pass
	3500.01	Outer_Full	6.54	/	/	<=13	Pass
	3529.98	Outer_Full	6.56	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3470.01	Outer_Full	6.76	/	/	<=13	Pass
	3500.01	Outer_Full	6.74	/	/	<=13	Pass
	3529.98	Outer_Full	6.82	/	/	<=13	Pass
CP-OFDM QPSK	3470.01	Outer_Full	8.14	/	/	<=13	Pass
	3500.01	Outer_Full	8.04	/	/	<=13	Pass
	3529.98	Outer_Full	8.12	/	/	<=13	Pass
CP-OFDM 16 QAM	3470.01	Outer_Full	8.16	/	/	<=13	Pass
	3500.01	Outer_Full	8.06	/	/	<=13	Pass
	3529.98	Outer_Full	8.16	/	/	<=13	Pass
CP-OFDM 64 QAM	3470.01	Outer_Full	8.26	/	/	<=13	Pass
	3500.01	Outer_Full	8.14	/	/	<=13	Pass
	3529.98	Outer_Full	8.18	/	/	<=13	Pass
CP-OFDM 256 QAM	3470.01	Outer_Full	8.58	/	/	<=13	Pass
	3500.01	Outer_Full	8.58	/	/	<=13	Pass
	3529.98	Outer_Full	8.62	/	/	<=13	Pass

4.1.7 30k_SISO_50MHz_NTNV

5G NR n78e SCS=30kHz SISO 50MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3475.02	Outer_Full	4.66	/	/	<=13	Pass
	3500.01	Outer_Full	4.66	/	/	<=13	Pass
	3525	Outer_Full	4.64	/	/	<=13	Pass
DFT-s-OFDM QPSK	3475.02	Outer_Full	5.52	/	/	<=13	Pass
	3500.01	Outer_Full	5.62	/	/	<=13	Pass
	3525	Outer_Full	5.54	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3475.02	Outer_Full	6.28	/	/	<=13	Pass
	3500.01	Outer_Full	6.30	/	/	<=13	Pass
	3525	Outer_Full	6.26	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3475.02	Outer_Full	6.46	/	/	<=13	Pass
	3500.01	Outer_Full	6.46	/	/	<=13	Pass
	3525	Outer_Full	6.44	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3475.02	Outer_Full	6.72	/	/	<=13	Pass
	3500.01	Outer_Full	6.80	/	/	<=13	Pass
	3525	Outer_Full	6.74	/	/	<=13	Pass
CP-OFDM QPSK	3475.02	Outer_Full	8.02	/	/	<=13	Pass

CP-OFDM 16 QAM	3500.01	Outer_Full	7.96	/	/	<=13	Pass
	3525	Outer_Full	8.00	/	/	<=13	Pass
	3475.02	Outer_Full	7.98	/	/	<=13	Pass
	3500.01	Outer_Full	7.96	/	/	<=13	Pass
	3525	Outer_Full	7.94	/	/	<=13	Pass
CP-OFDM 64 QAM	3475.02	Outer_Full	8.14	/	/	<=13	Pass
	3500.01	Outer_Full	8.02	/	/	<=13	Pass
	3525	Outer_Full	8.04	/	/	<=13	Pass
CP-OFDM 256 QAM	3475.02	Outer_Full	8.54	/	/	<=13	Pass
	3500.01	Outer_Full	8.56	/	/	<=13	Pass
	3525	Outer_Full	8.60	/	/	<=13	Pass

4.1.8 30k_SISO_60MHz_NTNV

5G NR n78e SCS=30kHz SISO 60MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3480	Outer_Full	4.52	/	/	<=13	Pass
	3500.01	Outer_Full	4.56	/	/	<=13	Pass
	3519.99	Outer_Full	4.42	/	/	<=13	Pass
DFT-s-OFDM QPSK	3480	Outer_Full	5.68	/	/	<=13	Pass
	3500.01	Outer_Full	5.70	/	/	<=13	Pass
	3519.99	Outer_Full	5.62	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3480	Outer_Full	6.38	/	/	<=13	Pass
	3500.01	Outer_Full	6.38	/	/	<=13	Pass
	3519.99	Outer_Full	6.32	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3480	Outer_Full	6.56	/	/	<=13	Pass
	3500.01	Outer_Full	6.64	/	/	<=13	Pass
	3519.99	Outer_Full	6.60	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3480	Outer_Full	6.74	/	/	<=13	Pass
	3500.01	Outer_Full	6.74	/	/	<=13	Pass
	3519.99	Outer_Full	6.70	/	/	<=13	Pass
CP-OFDM QPSK	3480	Outer_Full	8.20	/	/	<=13	Pass
	3500.01	Outer_Full	8.14	/	/	<=13	Pass
	3519.99	Outer_Full	8.12	/	/	<=13	Pass
CP-OFDM 16 QAM	3480	Outer_Full	8.22	/	/	<=13	Pass
	3500.01	Outer_Full	8.16	/	/	<=13	Pass
	3519.99	Outer_Full	8.10	/	/	<=13	Pass
CP-OFDM 64 QAM	3480	Outer_Full	8.30	/	/	<=13	Pass
	3500.01	Outer_Full	8.24	/	/	<=13	Pass
	3519.99	Outer_Full	8.22	/	/	<=13	Pass
CP-OFDM 256 QAM	3480	Outer_Full	8.46	/	/	<=13	Pass
	3500.01	Outer_Full	8.46	/	/	<=13	Pass
	3519.99	Outer_Full	8.54	/	/	<=13	Pass

4.1.9 30k_SISO_70MHz_NTNV

5G NR n78e SCS=30kHz SISO 70MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3485.01	Outer_Full	4.64	/	/	<=13	Pass
	3500.01	Outer_Full	4.60	/	/	<=13	Pass
	3514.98	Outer_Full	4.56	/	/	<=13	Pass
DFT-s-OFDM QPSK	3485.01	Outer_Full	5.70	/	/	<=13	Pass
	3500.01	Outer_Full	12.80	/	/	<=13	Pass
	3514.98	Outer_Full	5.64	/	/	<=13	Pass

DFT-s-OFDM 16 QAM	3485.01	Outer Full	6.44	/	/	<=13	Pass
	3500.01	Outer Full	12.56	/	/	<=13	Pass
	3514.98	Outer Full	6.36	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3485.01	Outer Full	6.66	/	/	<=13	Pass
	3500.01	Outer Full	12.70	/	/	<=13	Pass
	3514.98	Outer Full	6.60	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3485.01	Outer Full	6.74	/	/	<=13	Pass
	3500.01	Outer Full	6.76	/	/	<=13	Pass
	3514.98	Outer Full	6.74	/	/	<=13	Pass
CP-OFDM QPSK	3485.01	Outer Full	8.22	/	/	<=13	Pass
	3500.01	Outer Full	8.18	/	/	<=13	Pass
	3514.98	Outer Full	8.18	/	/	<=13	Pass
CP-OFDM 16 QAM	3485.01	Outer Full	8.22	/	/	<=13	Pass
	3500.01	Outer Full	8.20	/	/	<=13	Pass
	3514.98	Outer Full	8.18	/	/	<=13	Pass
CP-OFDM 64 QAM	3485.01	Outer Full	8.34	/	/	<=13	Pass
	3500.01	Outer Full	8.30	/	/	<=13	Pass
	3514.98	Outer Full	8.28	/	/	<=13	Pass
CP-OFDM 256 QAM	3485.01	Outer Full	8.56	/	/	<=13	Pass
	3500.01	Outer Full	8.54	/	/	<=13	Pass
	3514.98	Outer Full	8.54	/	/	<=13	Pass

4.1.10 30k_SISO_80MHz_NTNV

5G NR n78e SCS=30kHz SISO 80MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3490.02	Outer Full	4.98	/	/	<=13	Pass
	3500.01	Outer Full	5.02	/	/	<=13	Pass
	3510	Outer Full	5.00	/	/	<=13	Pass
DFT-s-OFDM QPSK	3490.02	Outer Full	5.76	/	/	<=13	Pass
	3500.01	Outer Full	5.76	/	/	<=13	Pass
	3510	Outer Full	5.74	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3490.02	Outer Full	6.42	/	/	<=13	Pass
	3500.01	Outer Full	6.44	/	/	<=13	Pass
	3510	Outer Full	6.42	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3490.02	Outer Full	6.70	/	/	<=13	Pass
	3500.01	Outer Full	6.70	/	/	<=13	Pass
	3510	Outer Full	6.62	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3490.02	Outer Full	6.88	/	/	<=13	Pass
	3500.01	Outer Full	6.84	/	/	<=13	Pass
	3510	Outer Full	6.84	/	/	<=13	Pass
CP-OFDM QPSK	3490.02	Outer Full	8.30	/	/	<=13	Pass
	3500.01	Outer Full	8.30	/	/	<=13	Pass
	3510	Outer Full	8.28	/	/	<=13	Pass
CP-OFDM 16 QAM	3490.02	Outer Full	8.36	/	/	<=13	Pass
	3500.01	Outer Full	8.28	/	/	<=13	Pass
	3510	Outer Full	8.30	/	/	<=13	Pass
CP-OFDM 64 QAM	3490.02	Outer Full	8.32	/	/	<=13	Pass
	3500.01	Outer Full	8.34	/	/	<=13	Pass
	3510	Outer Full	8.32	/	/	<=13	Pass
CP-OFDM 256 QAM	3490.02	Outer Full	8.52	/	/	<=13	Pass
	3500.01	Outer Full	8.50	/	/	<=13	Pass
	3510	Outer Full	8.52	/	/	<=13	Pass

4.1.11 30k_SISO_90MHz_NTNV

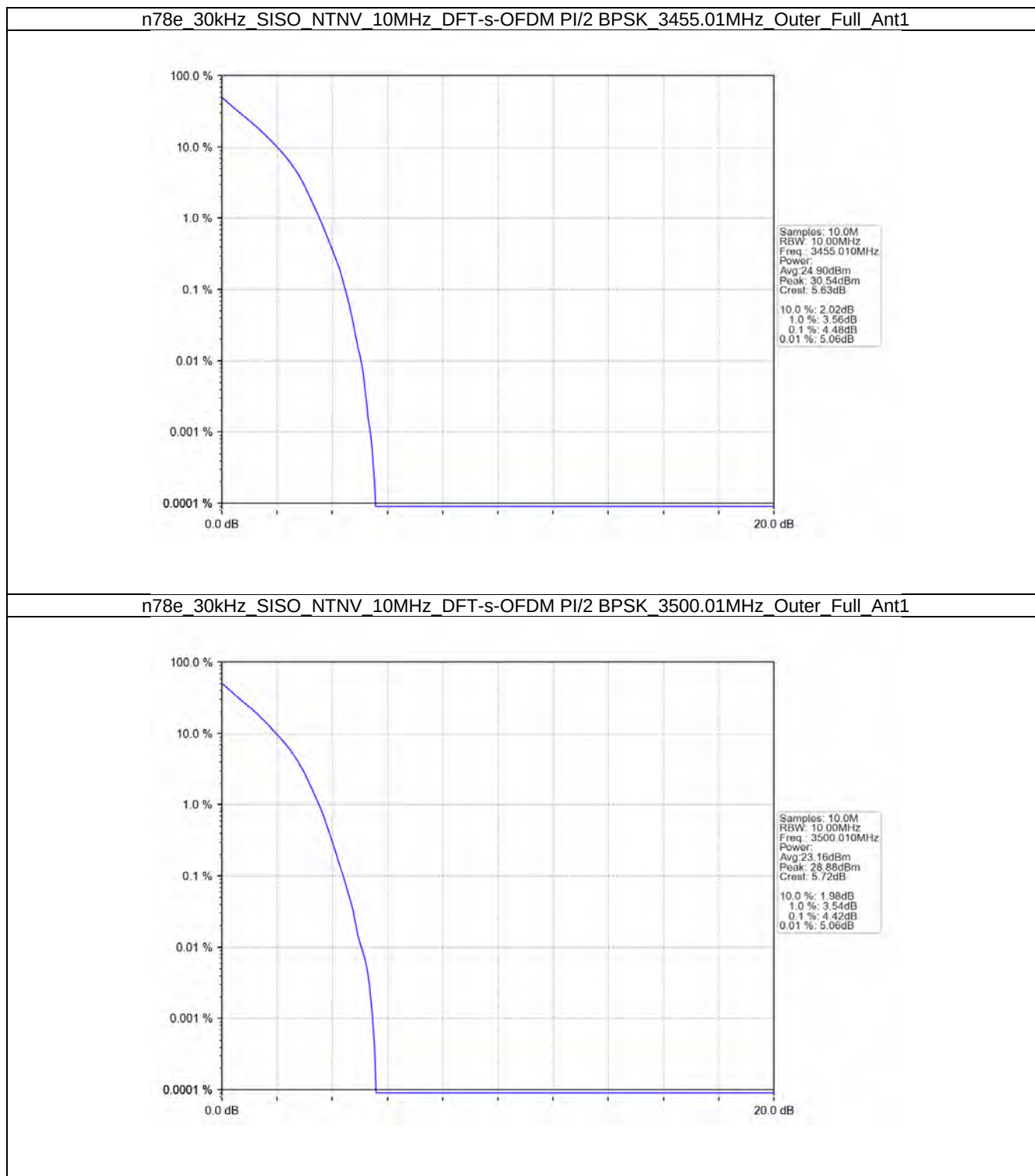
5G NR n78e SCS=30kHz SISO 90MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3495	Outer Full	4.44	/	/	<=13	Pass
	3500.01	Outer Full	4.48	/	/	<=13	Pass
	3504.99	Outer Full	4.54	/	/	<=13	Pass
DFT-s-OFDM QPSK	3495	Outer Full	5.68	/	/	<=13	Pass
	3500.01	Outer Full	5.68	/	/	<=13	Pass
	3504.99	Outer Full	12.24	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3495	Outer Full	6.40	/	/	<=13	Pass
	3500.01	Outer Full	6.40	/	/	<=13	Pass
	3504.99	Outer Full	12.54	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3495	Outer Full	6.62	/	/	<=13	Pass
	3500.01	Outer Full	6.62	/	/	<=13	Pass
	3504.99	Outer Full	12.64	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3495	Outer Full	6.82	/	/	<=13	Pass
	3500.01	Outer Full	6.80	/	/	<=13	Pass
	3504.99	Outer Full	6.84	/	/	<=13	Pass
CP-OFDM QPSK	3495	Outer Full	8.26	/	/	<=13	Pass
	3500.01	Outer Full	8.24	/	/	<=13	Pass
	3504.99	Outer Full	8.26	/	/	<=13	Pass
CP-OFDM 16 QAM	3495	Outer Full	8.24	/	/	<=13	Pass
	3500.01	Outer Full	8.22	/	/	<=13	Pass
	3504.99	Outer Full	8.22	/	/	<=13	Pass
CP-OFDM 64 QAM	3495	Outer Full	8.34	/	/	<=13	Pass
	3500.01	Outer Full	8.32	/	/	<=13	Pass
	3504.99	Outer Full	8.32	/	/	<=13	Pass
CP-OFDM 256 QAM	3495	Outer Full	8.54	/	/	<=13	Pass
	3500.01	Outer Full	8.54	/	/	<=13	Pass
	3504.99	Outer Full	8.52	/	/	<=13	Pass

4.1.12 30k_SISO_100MHz_NTN

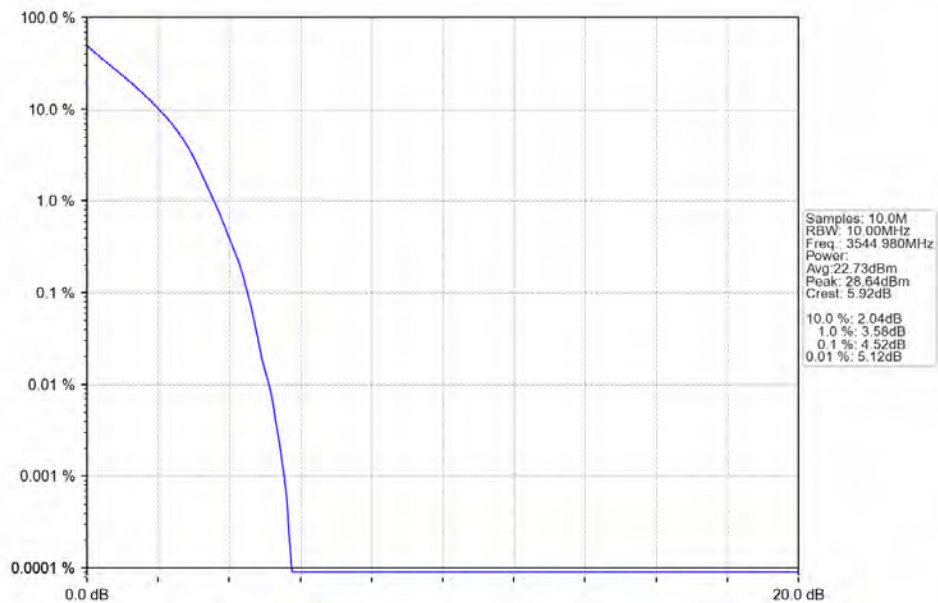
5G NR n78e SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer Full	5.02	/	/	<=13	Pass
DFT-s-OFDM QPSK	3500.01	Outer Full	12.36	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer Full	12.14	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer Full	6.66	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer Full	6.74	/	/	<=13	Pass
CP-OFDM QPSK	3500.01	Outer Full	8.24	/	/	<=13	Pass
CP-OFDM 16 QAM	3500.01	Outer Full	8.26	/	/	<=13	Pass
CP-OFDM 64 QAM	3500.01	Outer Full	8.40	/	/	<=13	Pass
CP-OFDM 256 QAM	3500.01	Outer Full	8.52	/	/	<=13	Pass

4.2 Test Graph

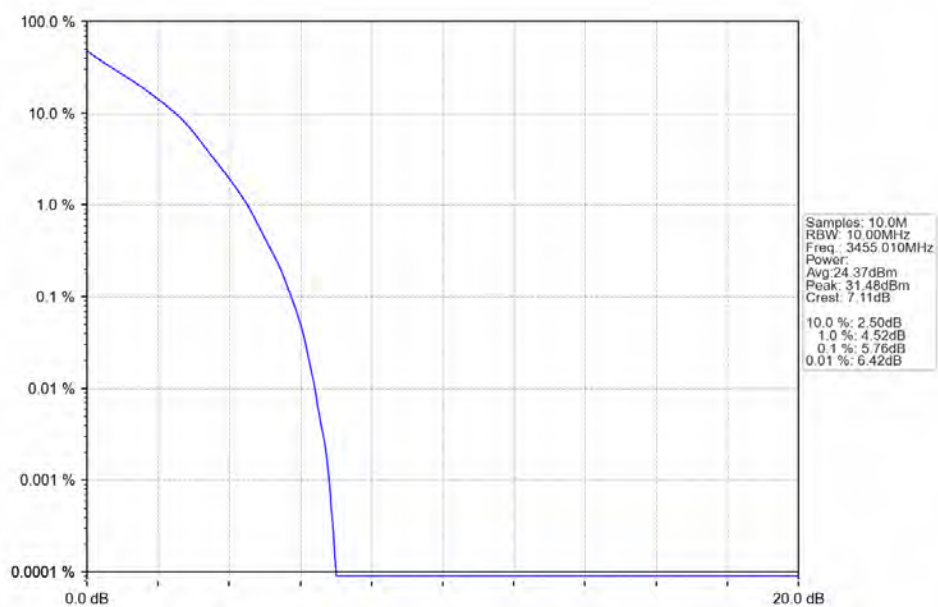
4.2.1 30k_SISO_10MHz_NTNV



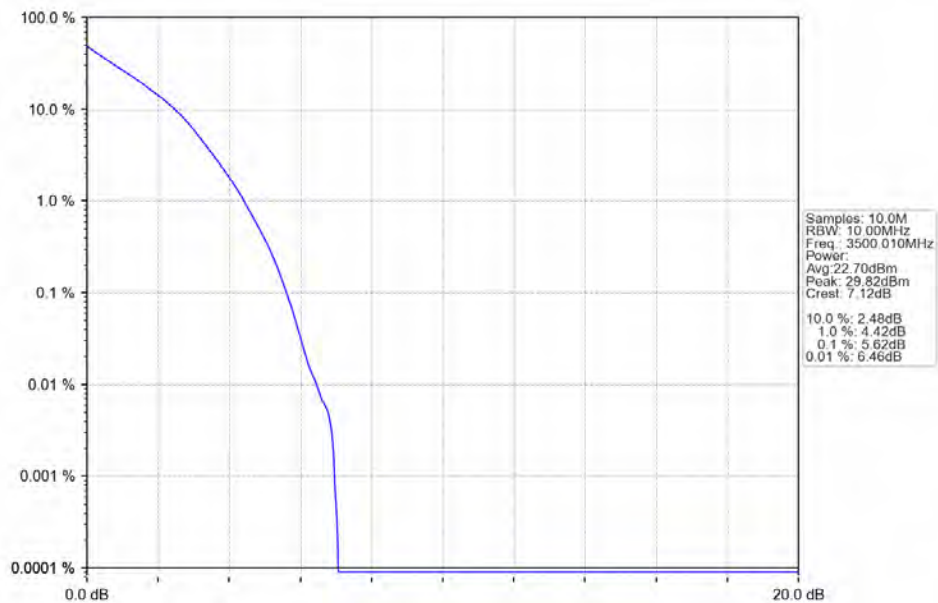
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_3544.98MHz_Outer_Full_Ant1



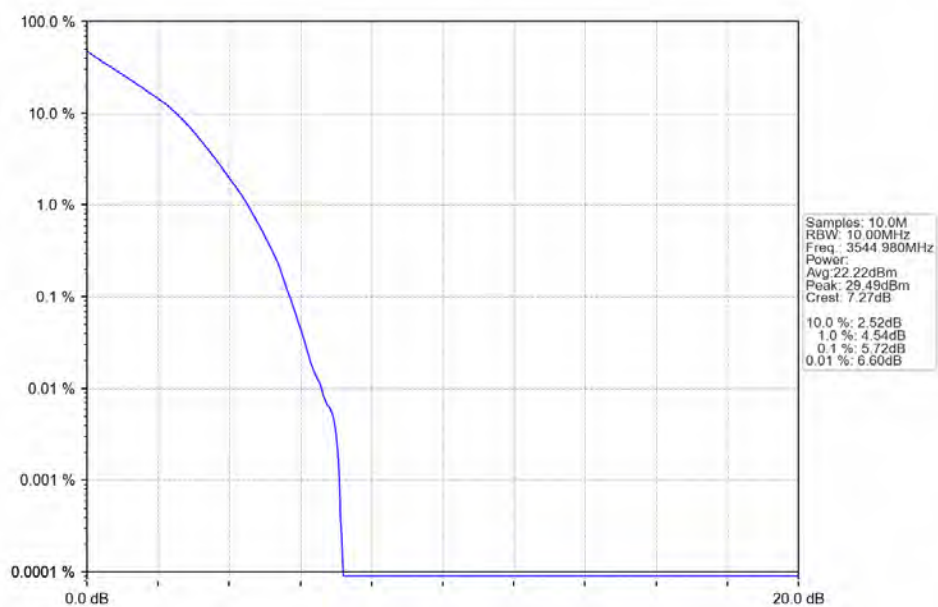
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3455.01MHz_Outer_Full_Ant1



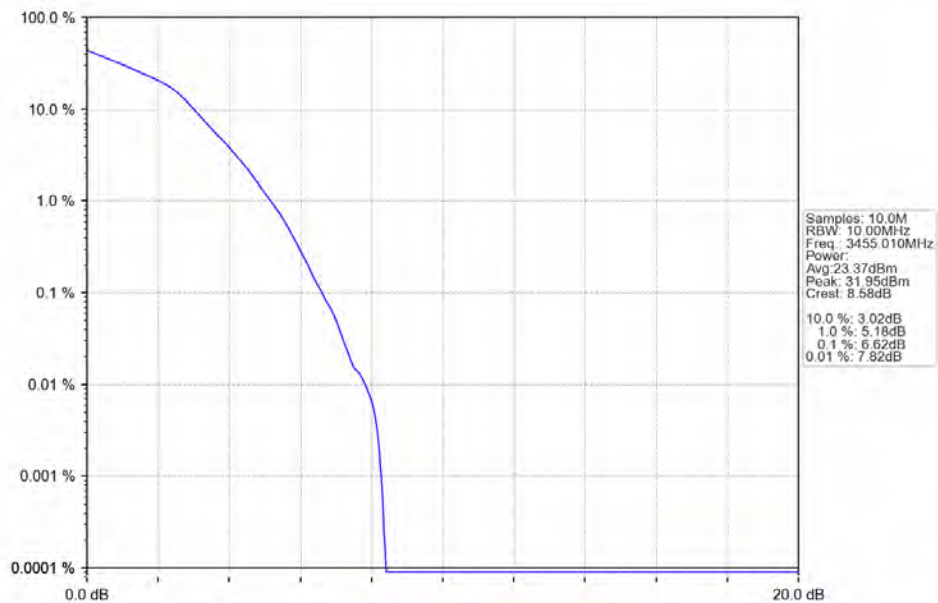
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full_Ant1



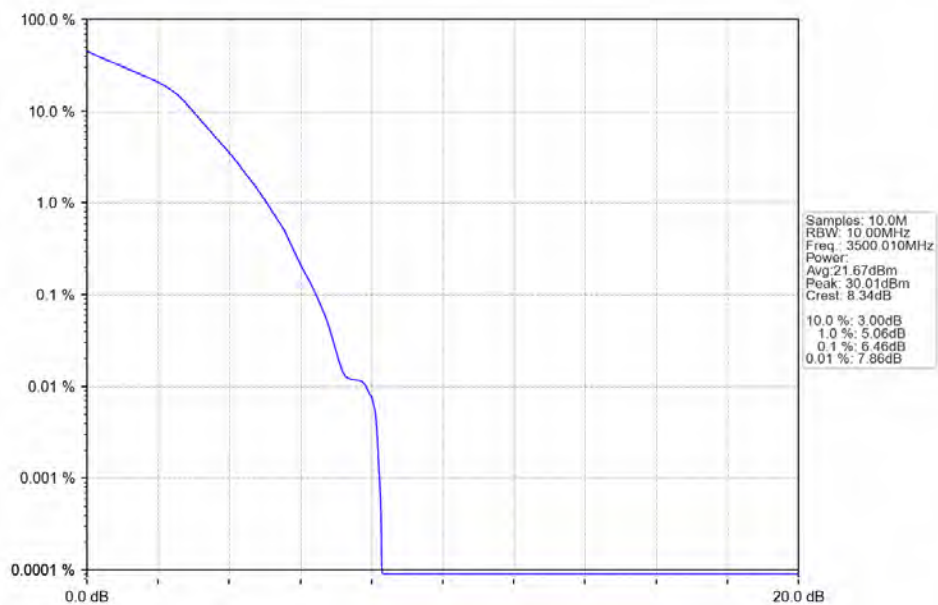
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3544.98MHz_Outer_Full_Ant1



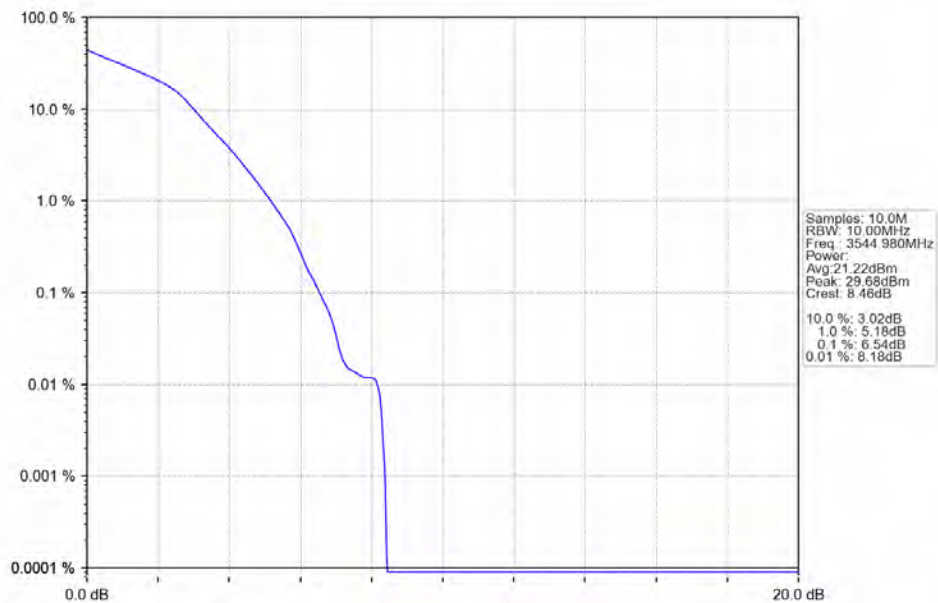
n78e 30kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 3455.01MHz Outer Full Ant1



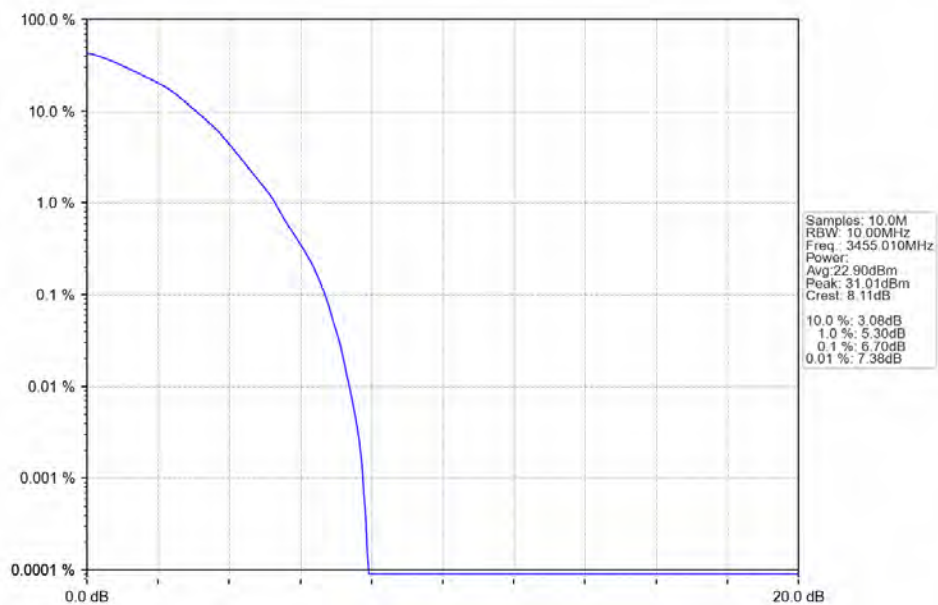
n78e 30kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 3500.01MHz Outer Full Ant1



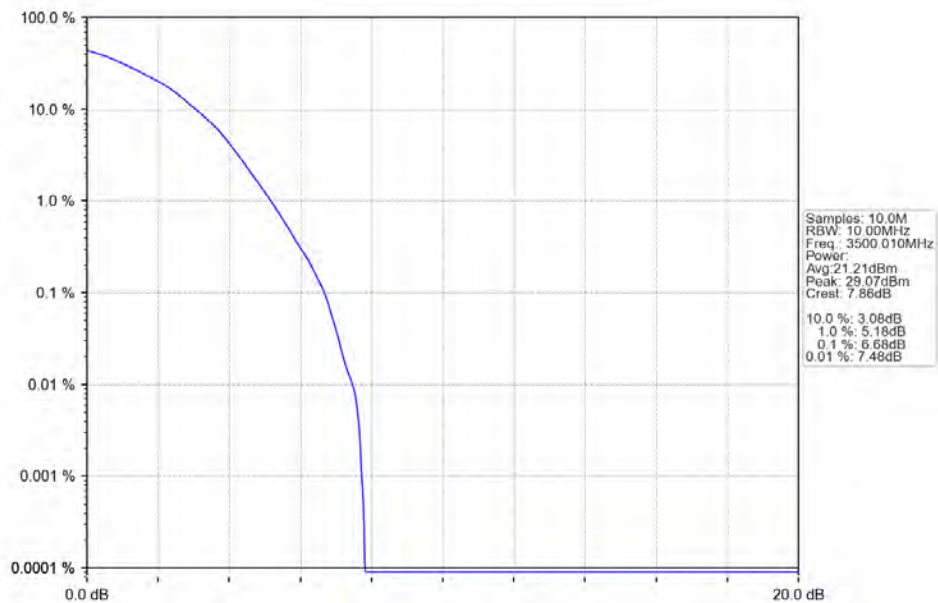
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3544.98MHz_Outer_Full_Ant1



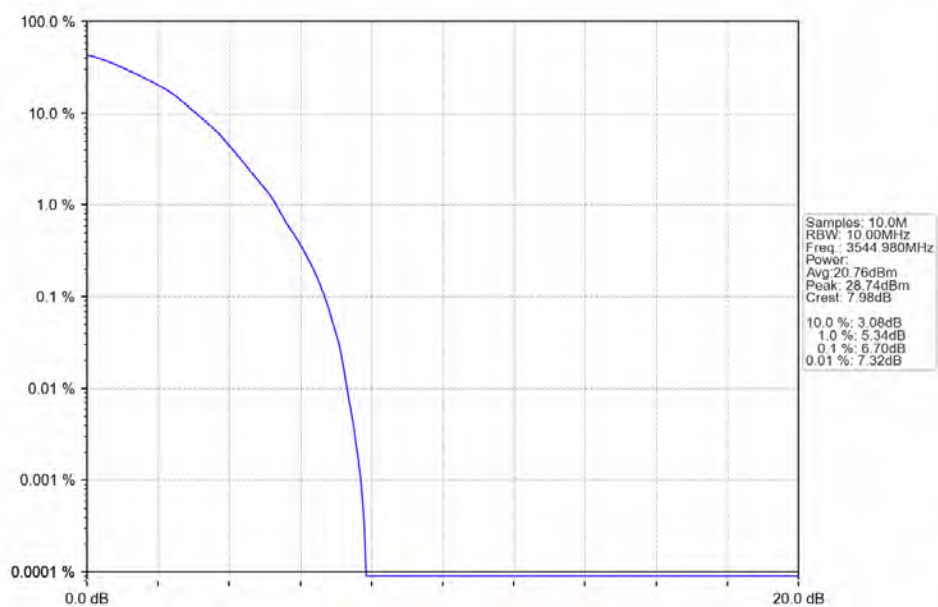
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_3455.01MHz_Outer_Full_Ant1



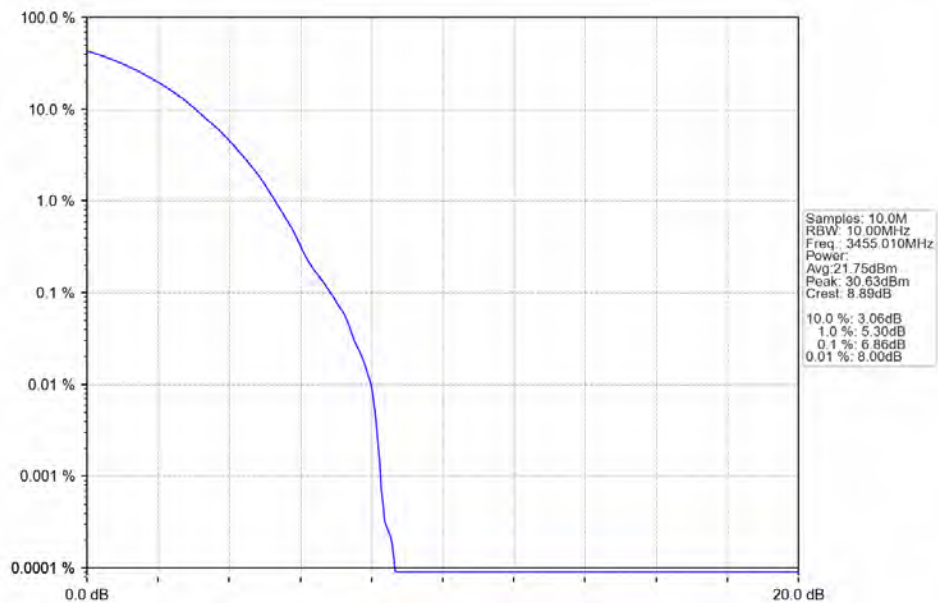
n78e 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 3500.01MHz Outer Full Ant1



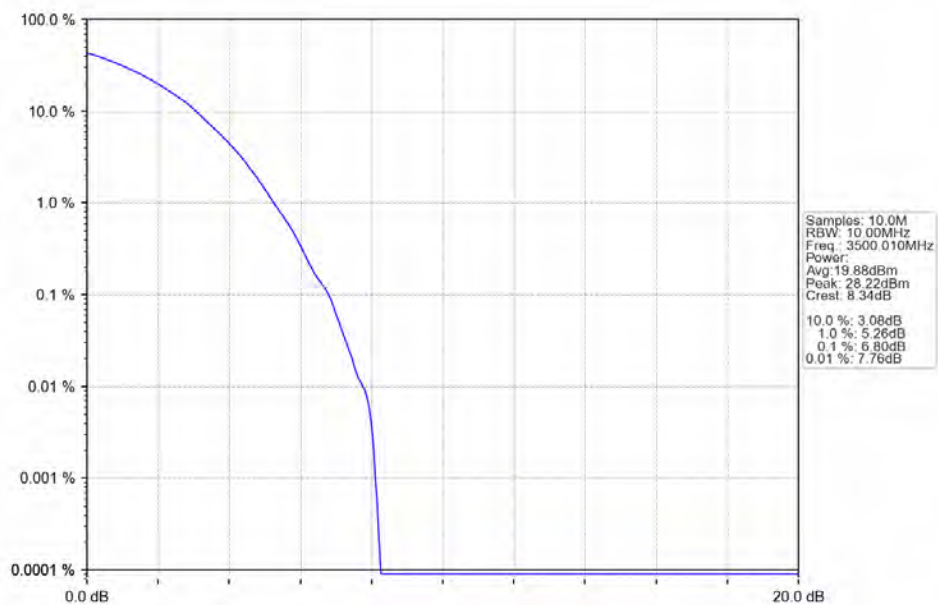
n78e 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 3544.98MHz Outer Full Ant1



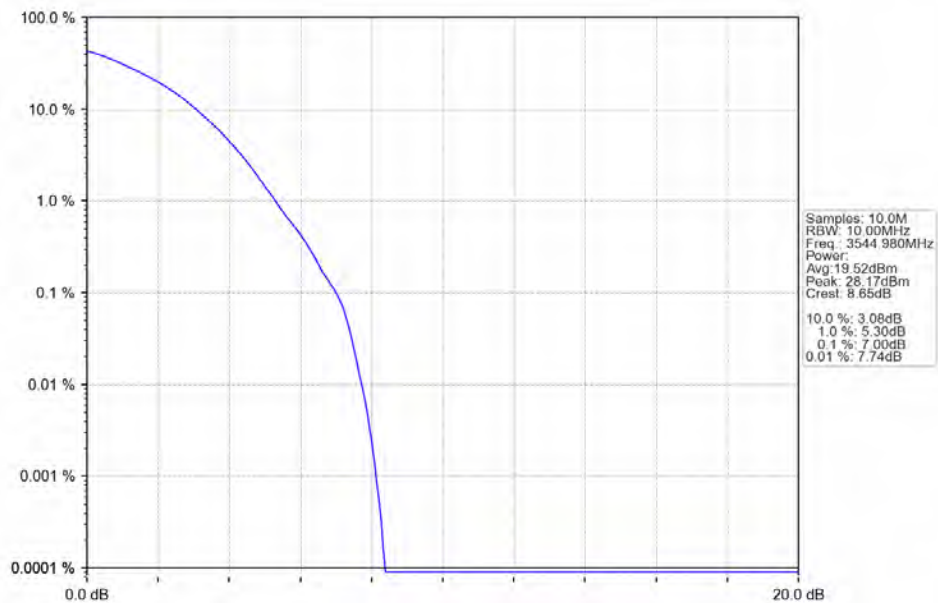
n78e_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_3455.01MHz_Outer_Full_Ant1



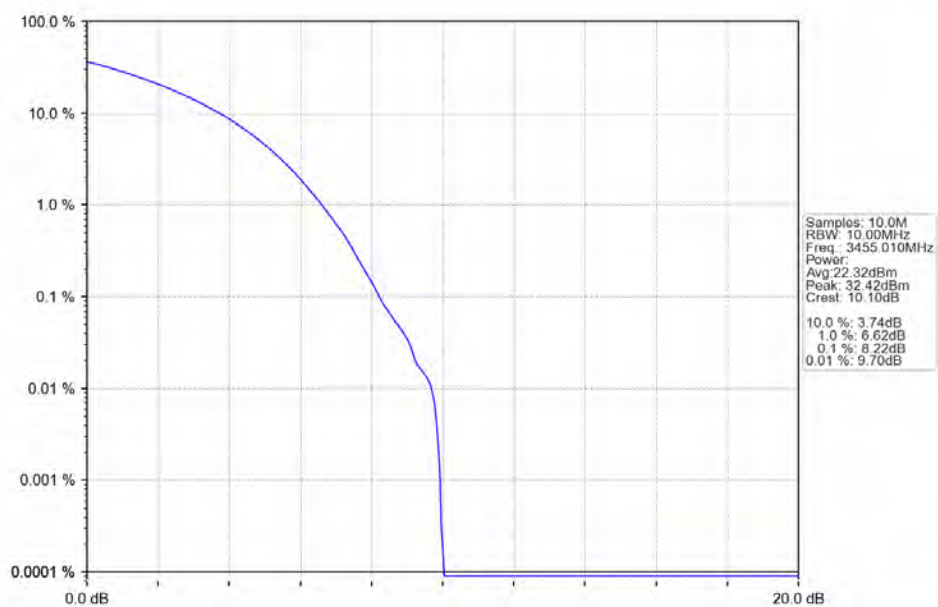
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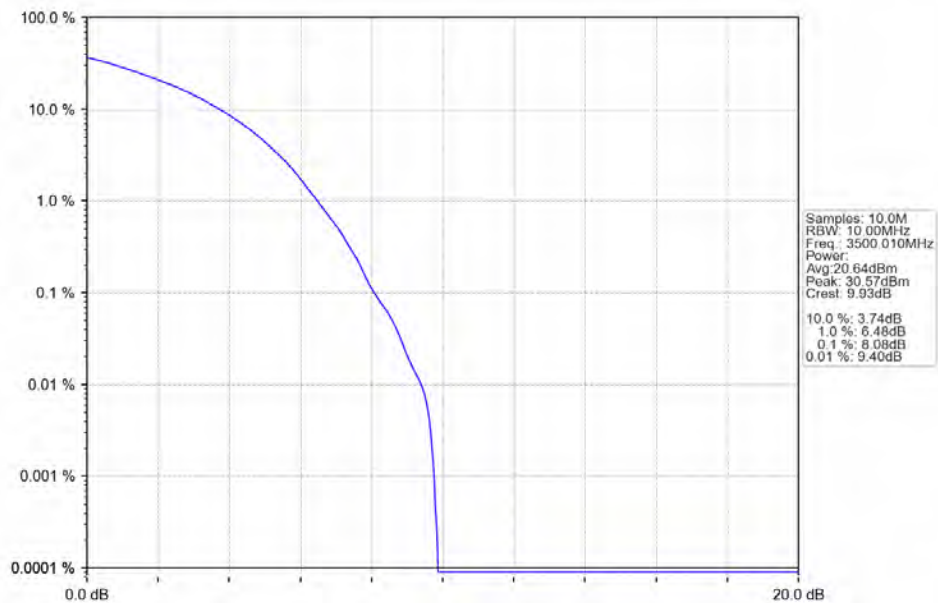
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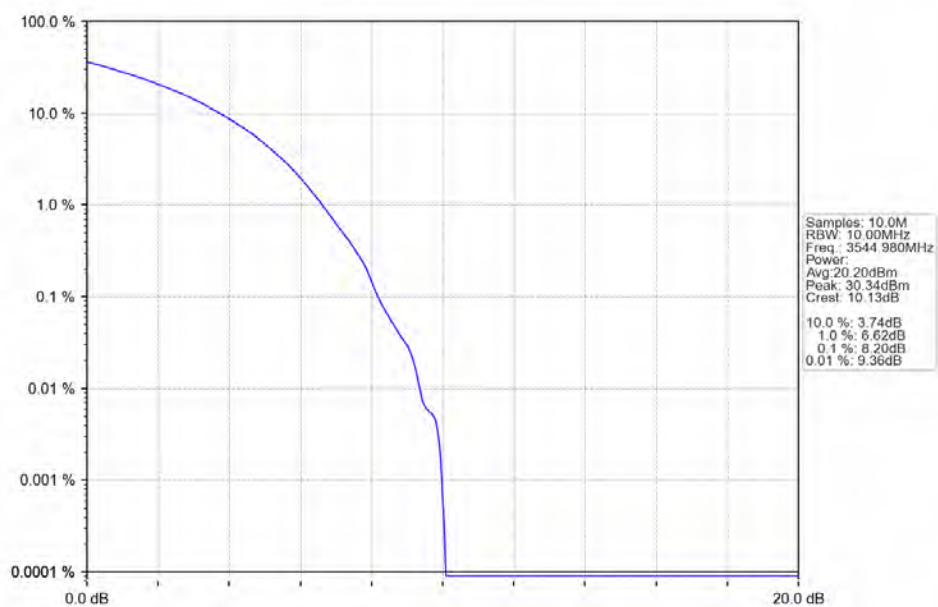
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3455.01MHz_Outer_Full_Ant1



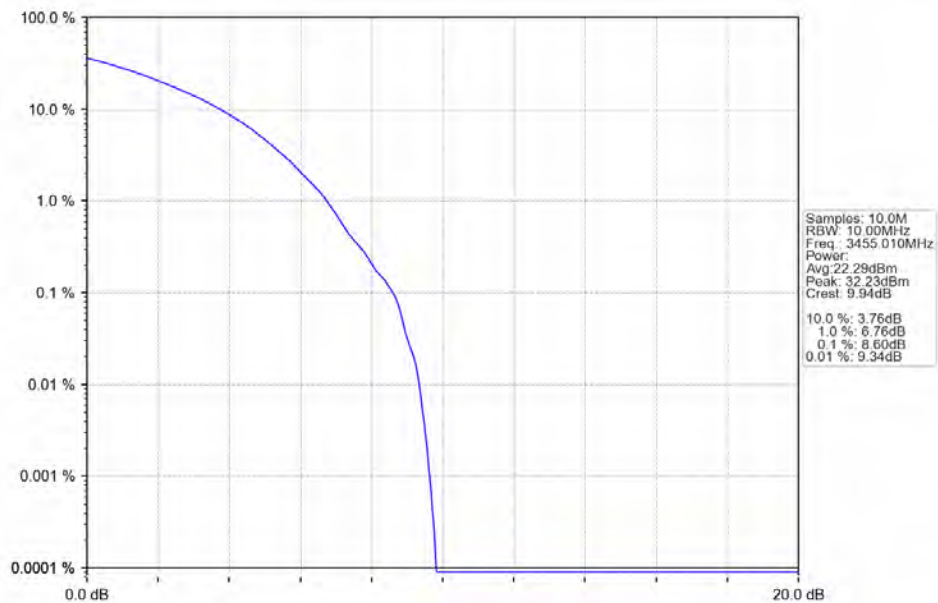
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant1



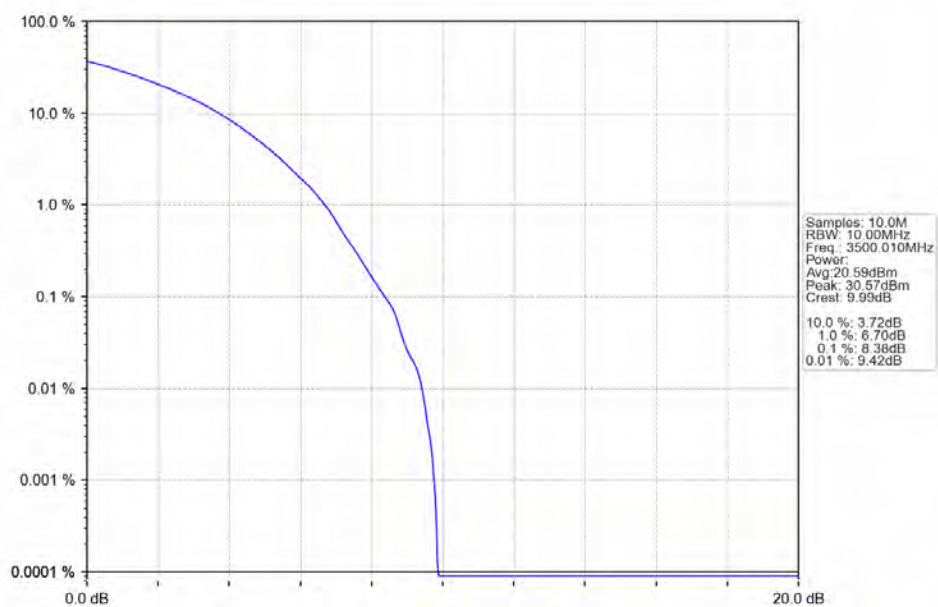
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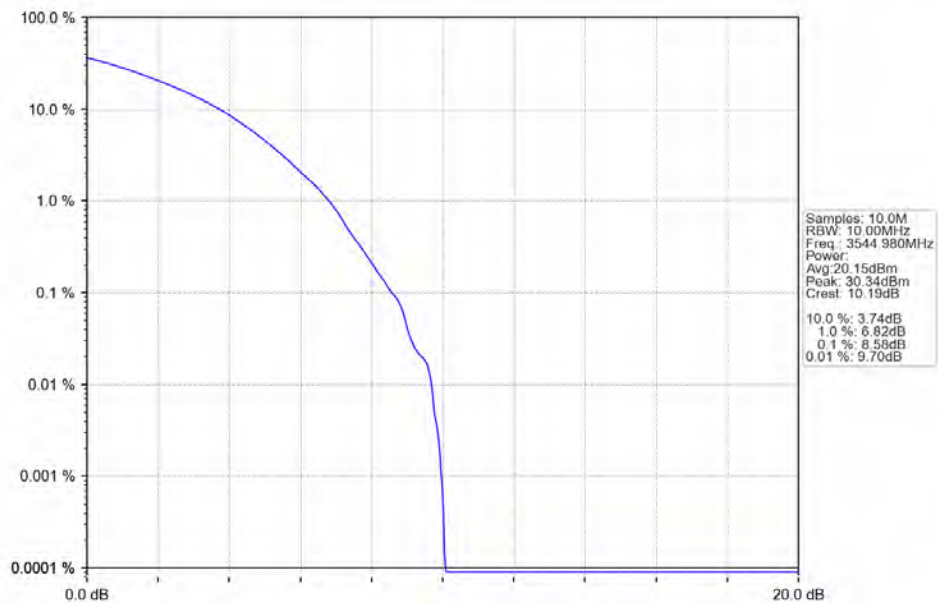
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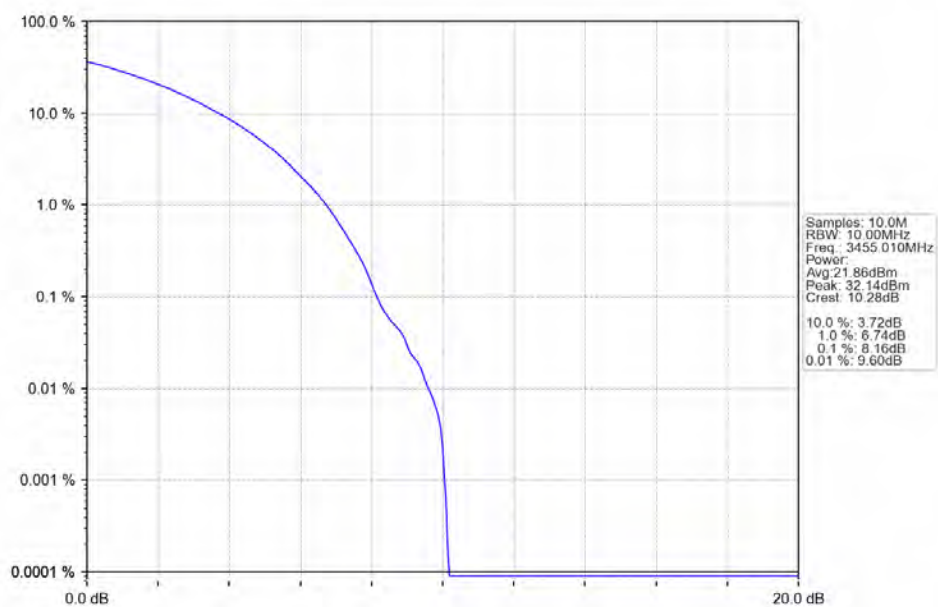
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant1



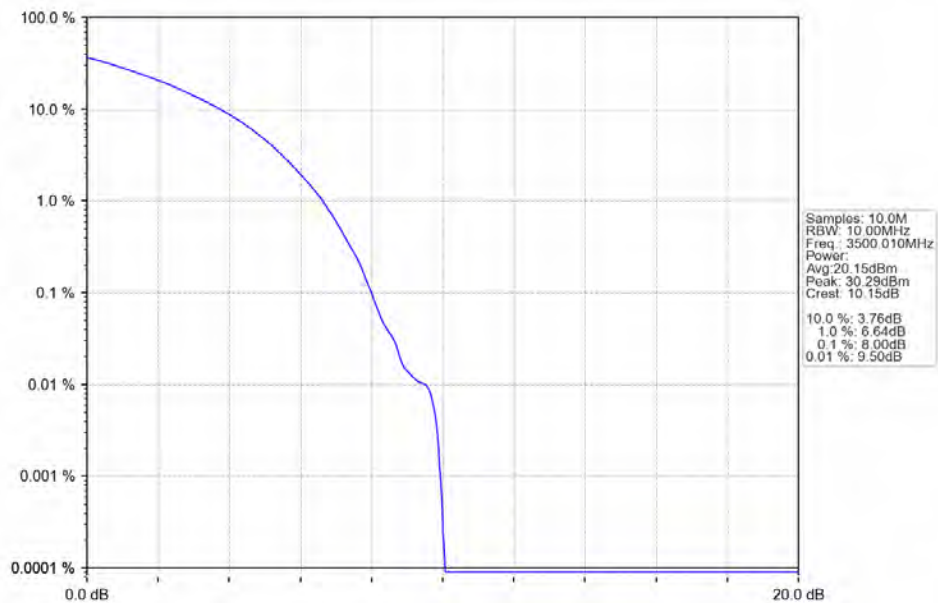
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 3544.98MHz_Outer_Full_Ant1



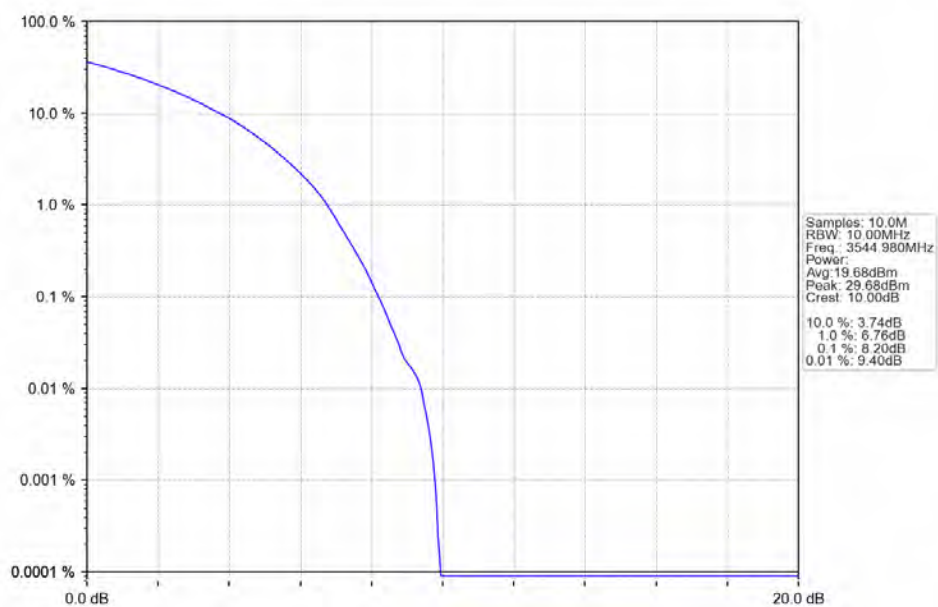
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 3455.01MHz_Outer_Full_Ant1



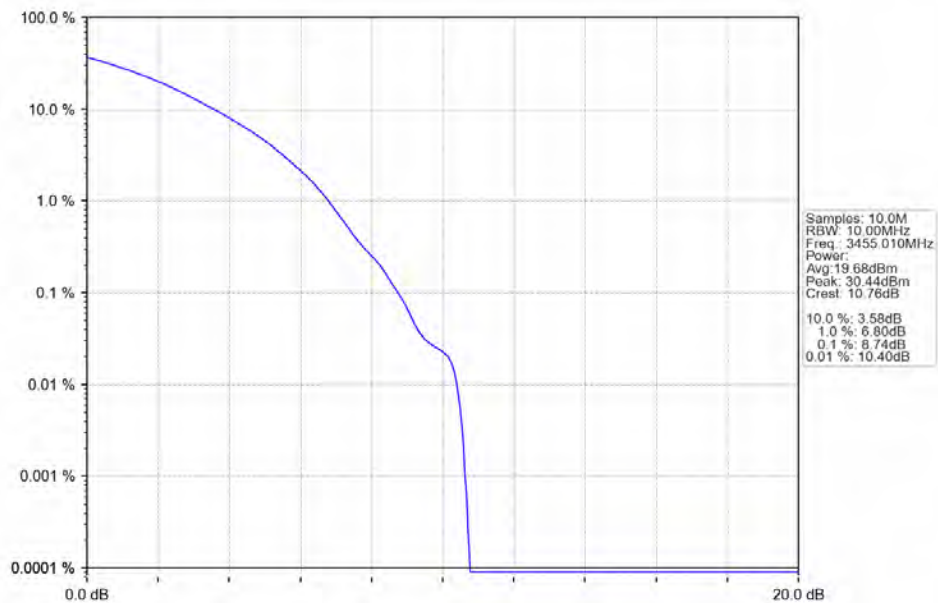
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant1



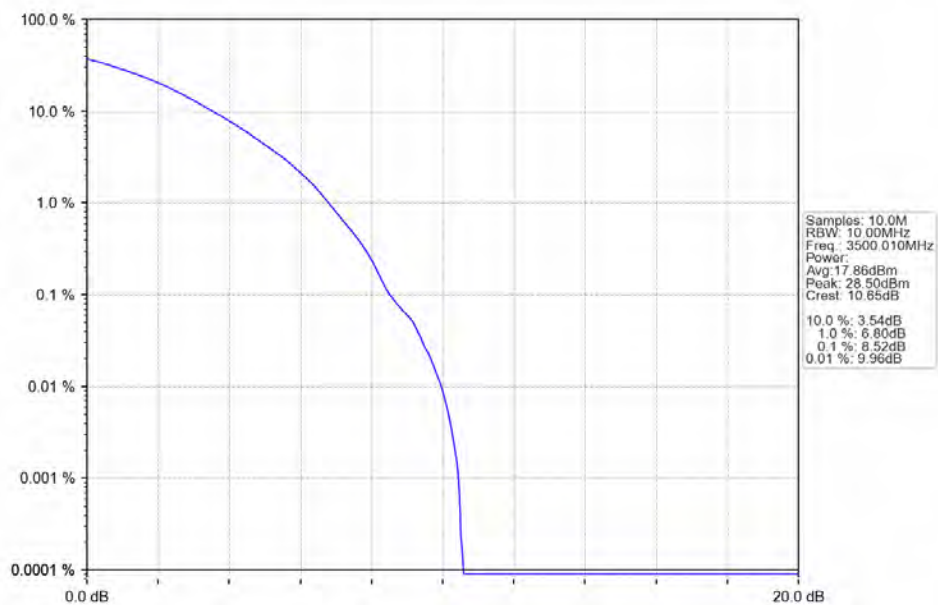
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_3544.98MHz_Outer_Full_Ant1



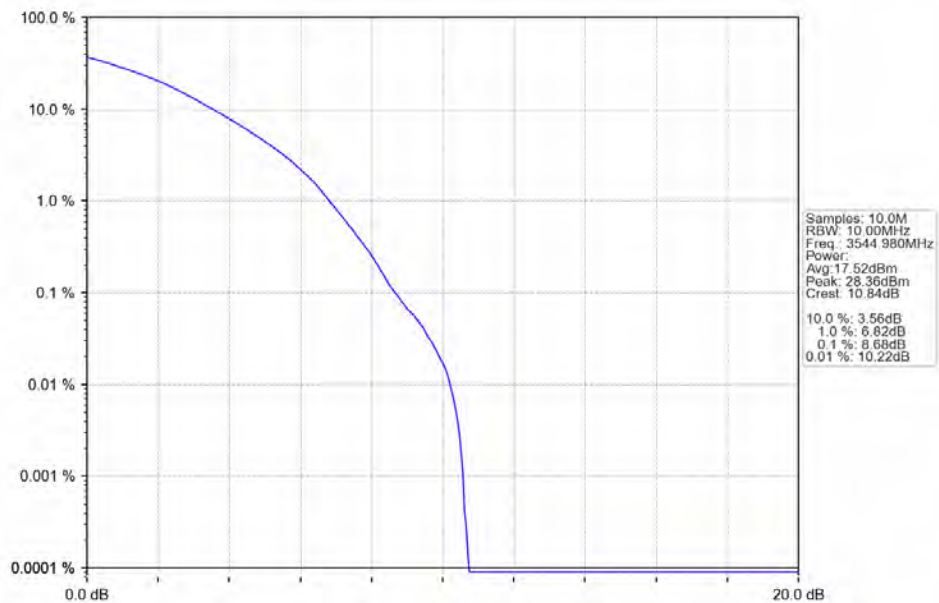
n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3455.01MHz_Outer_Full_Ant1



n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant1

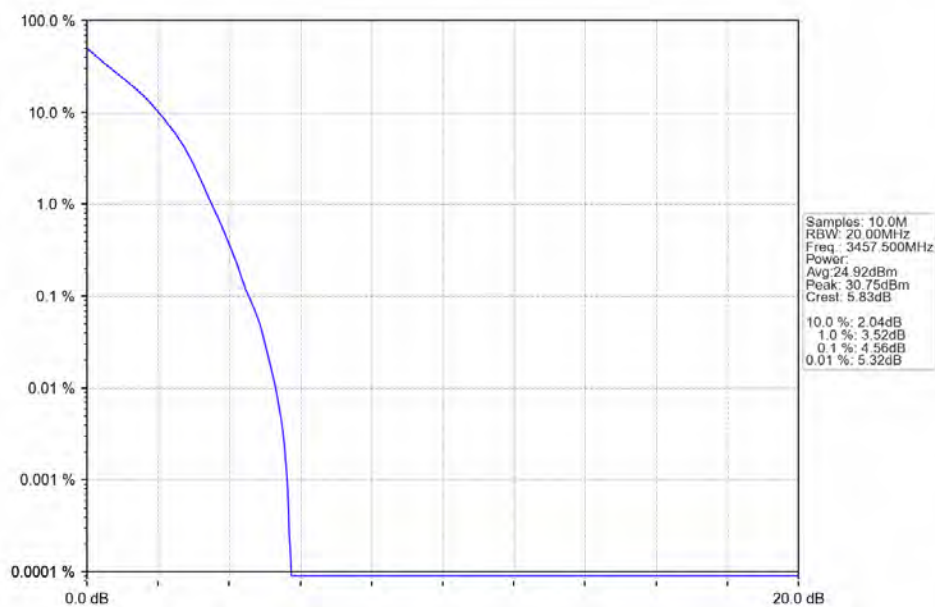


n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3544.98MHz_Outer_Full_Ant1

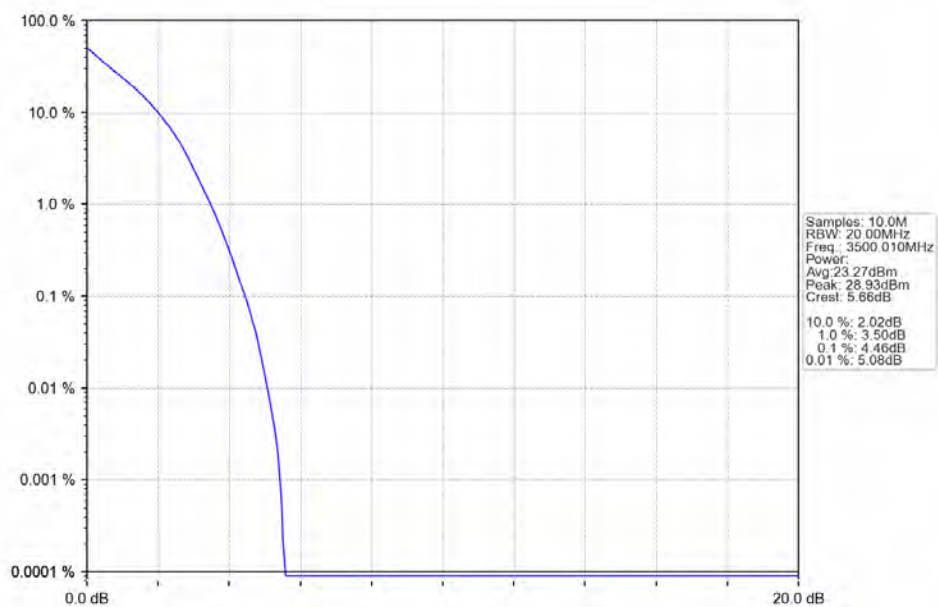


4.2.2 30k_SISO_15MHz_NTNV

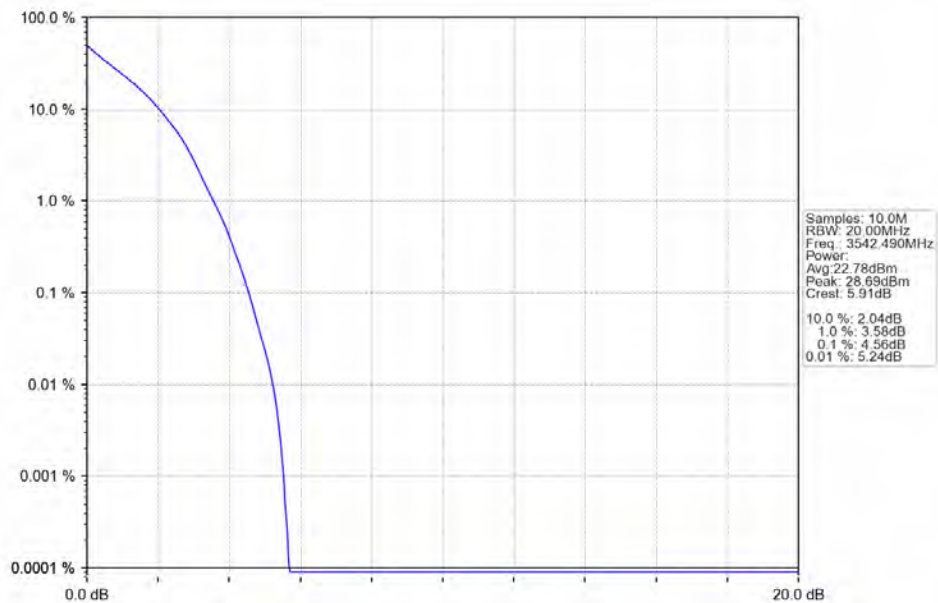
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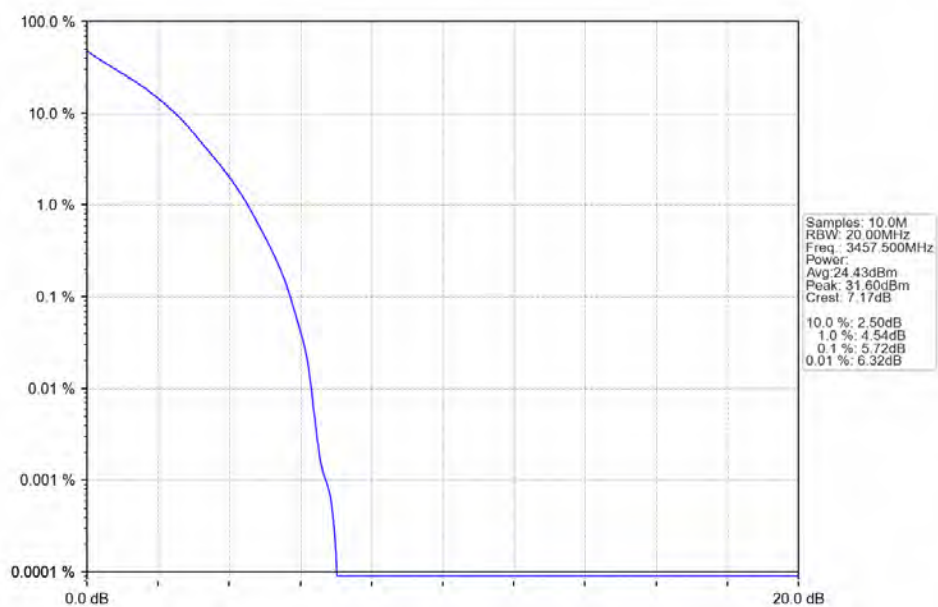
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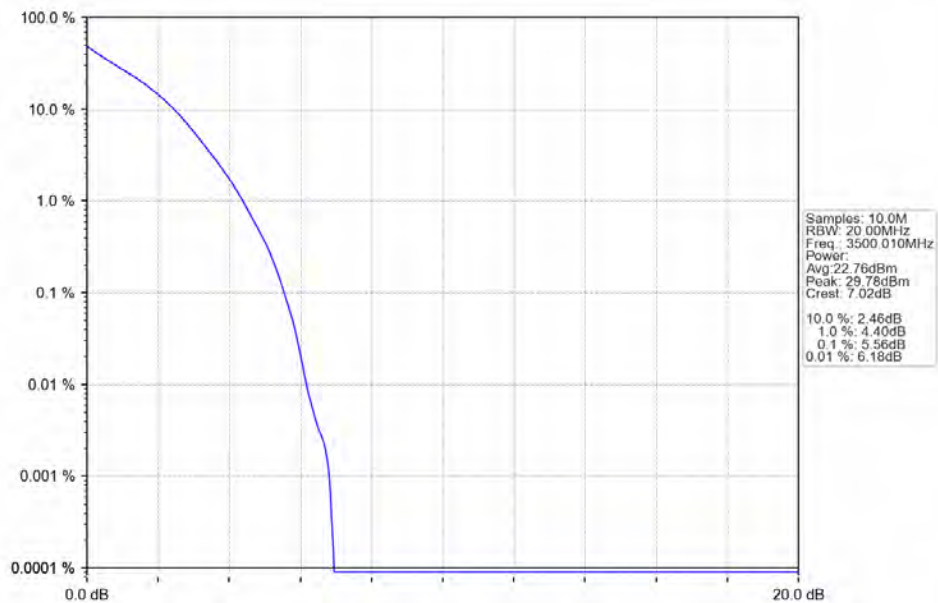
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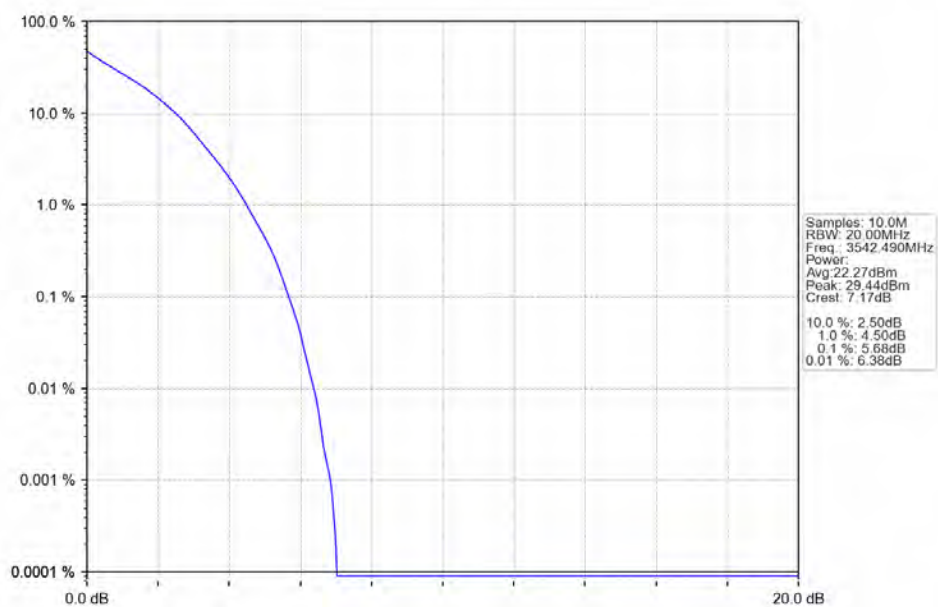
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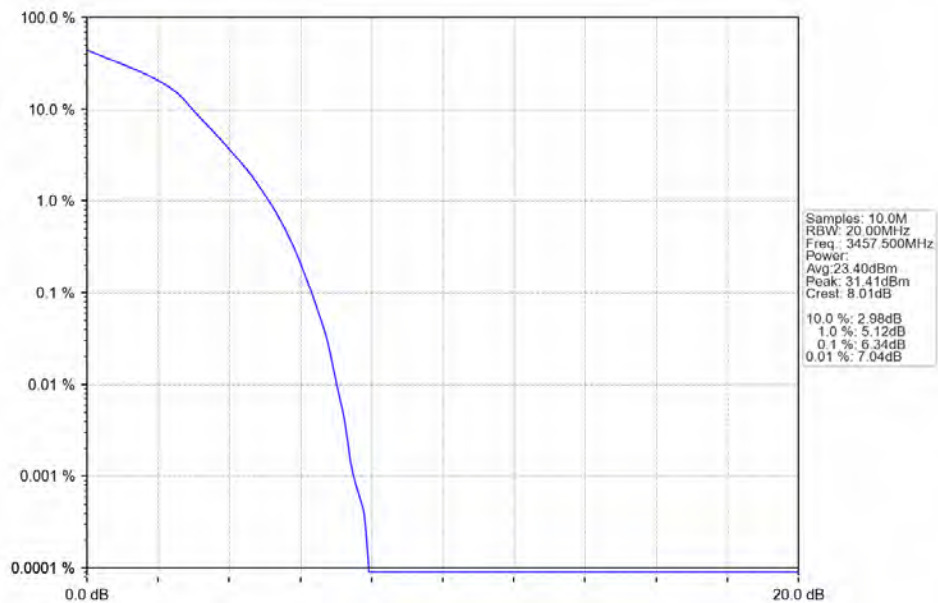
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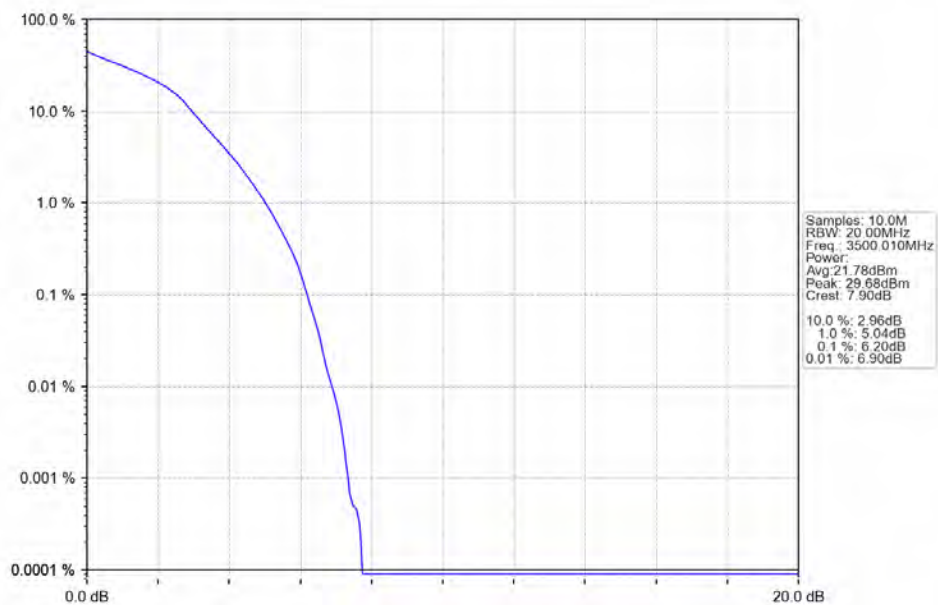
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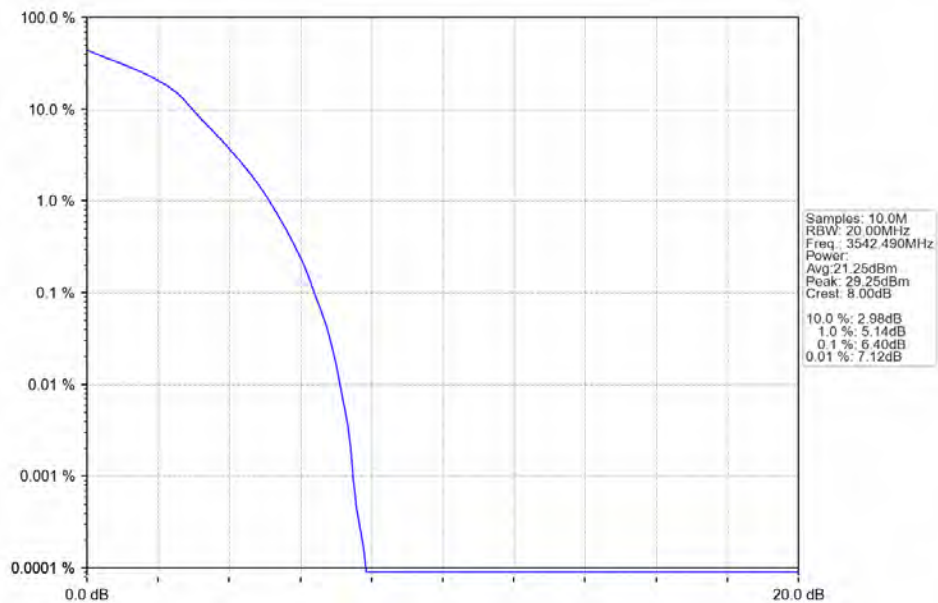
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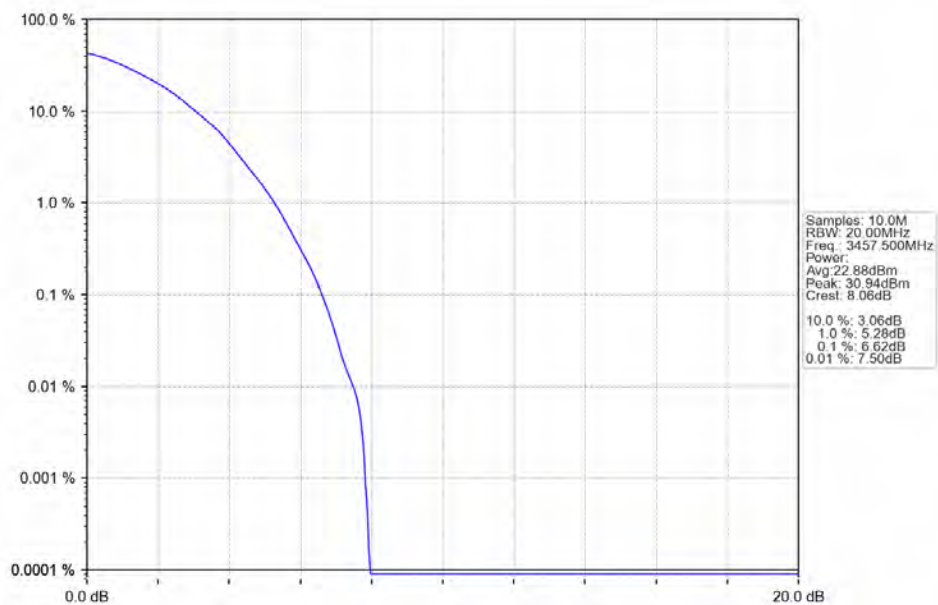
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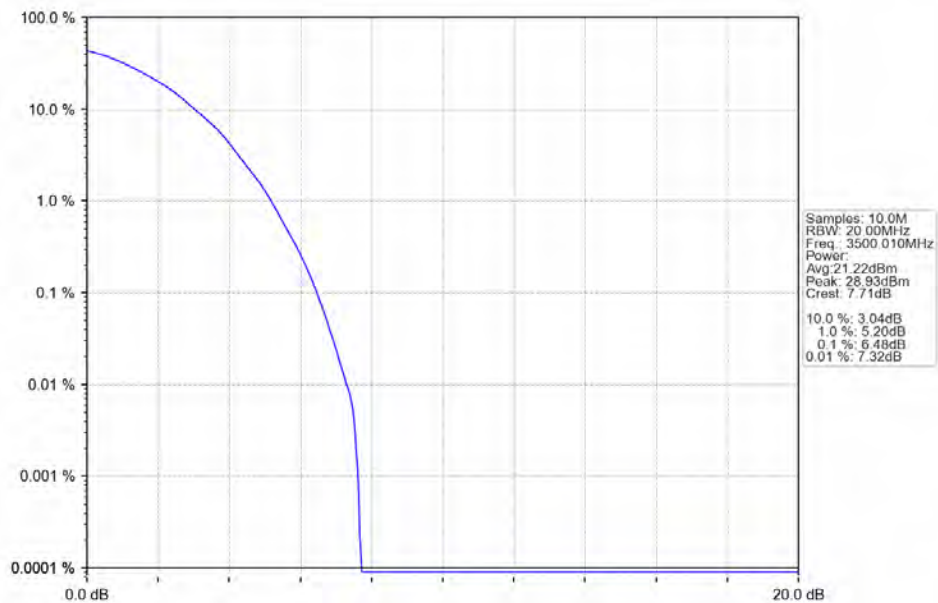
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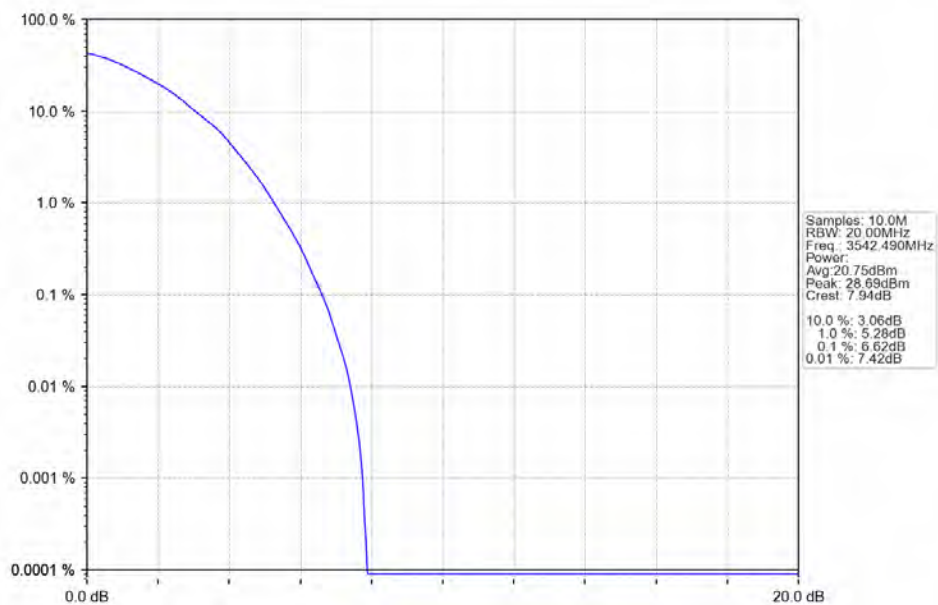
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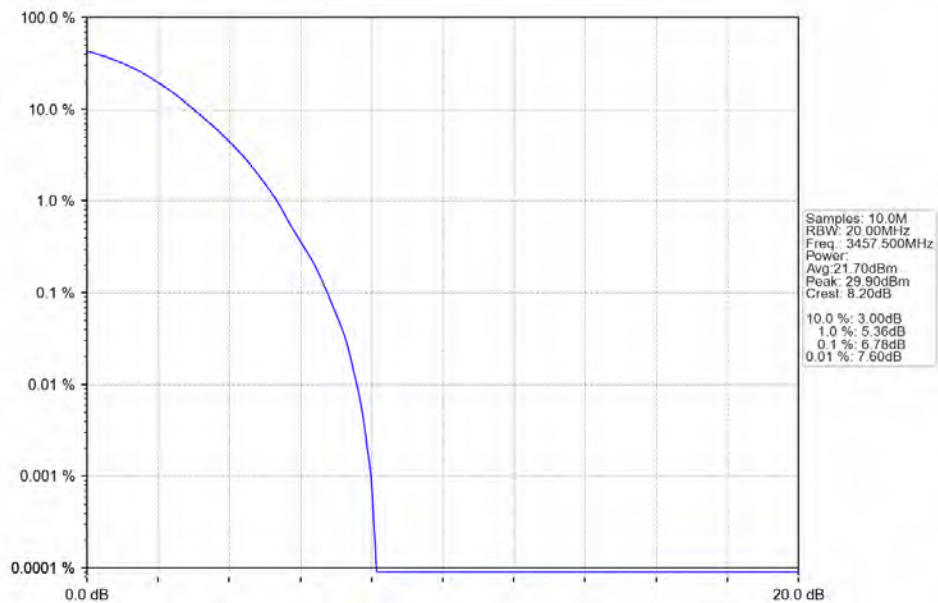
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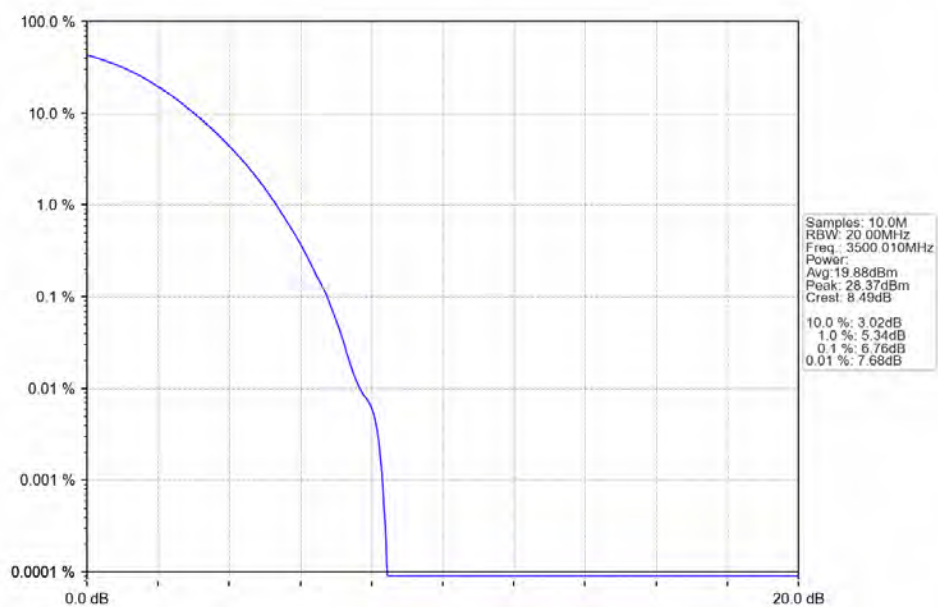
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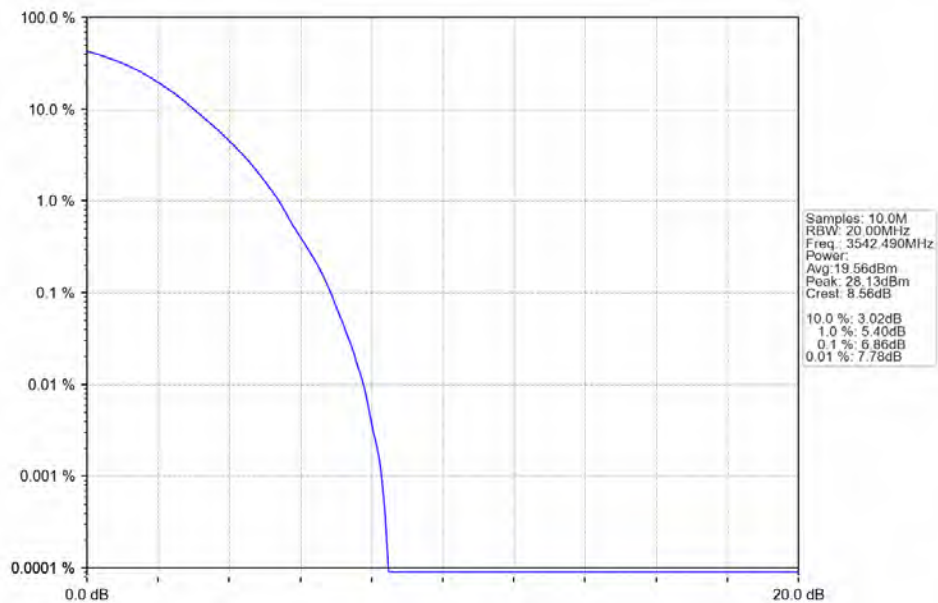
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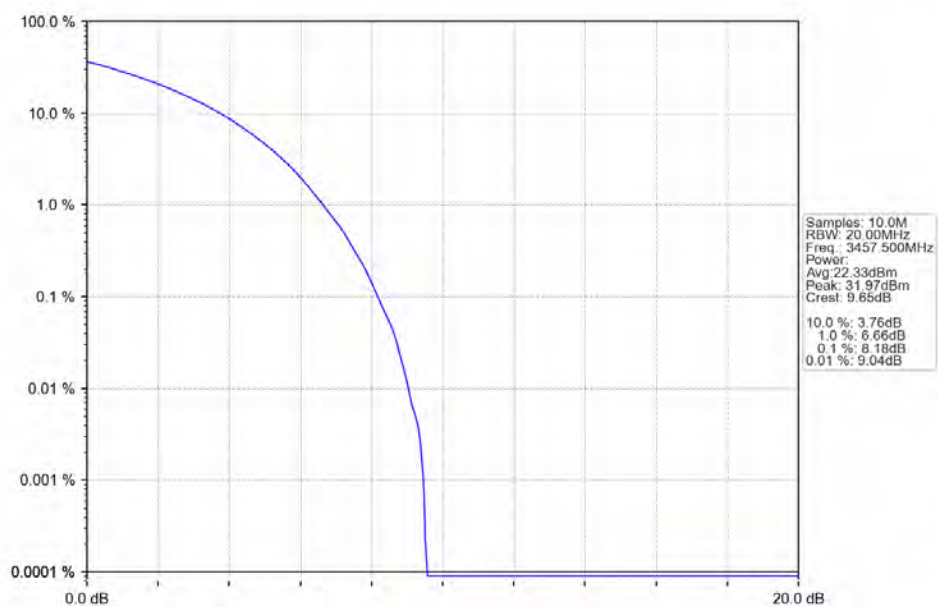
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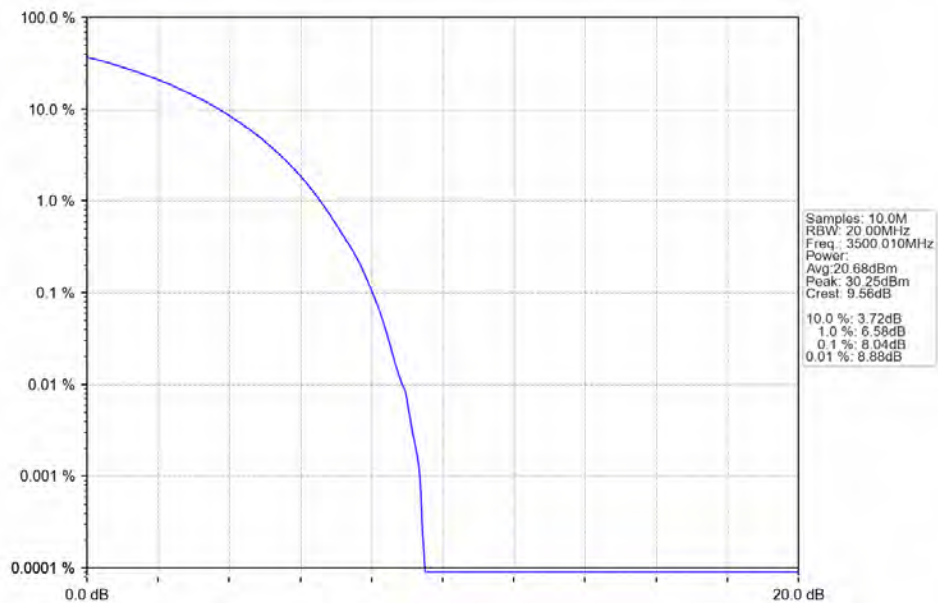
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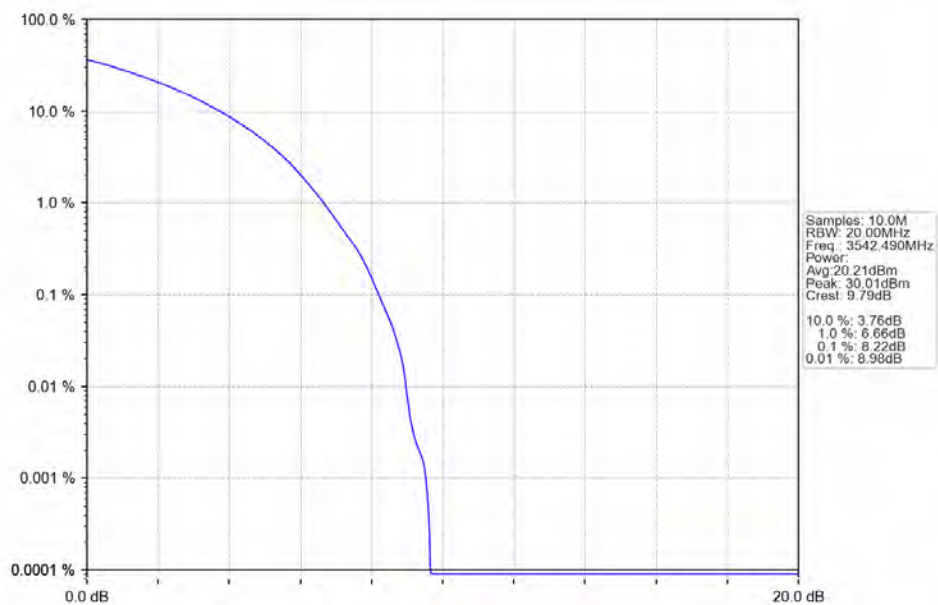
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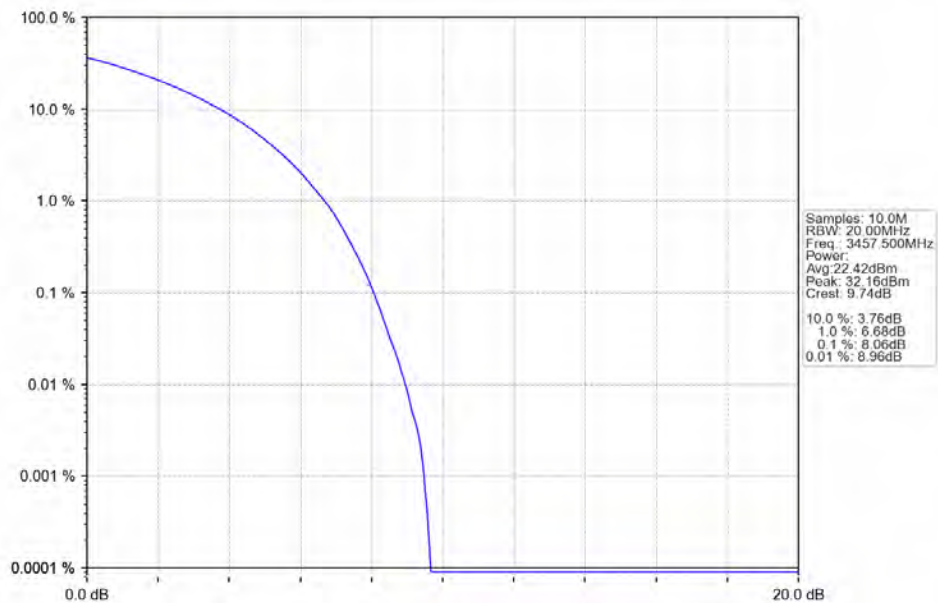
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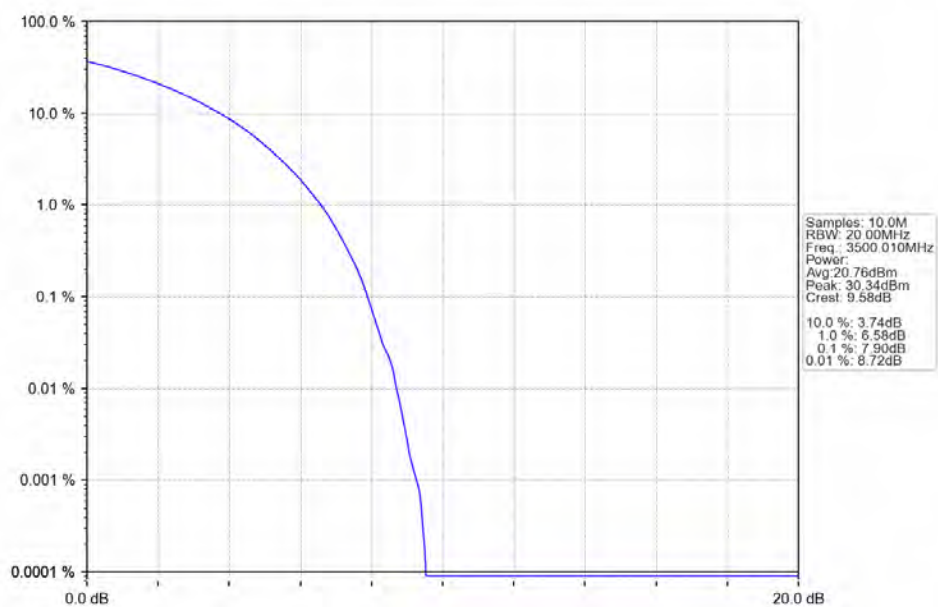
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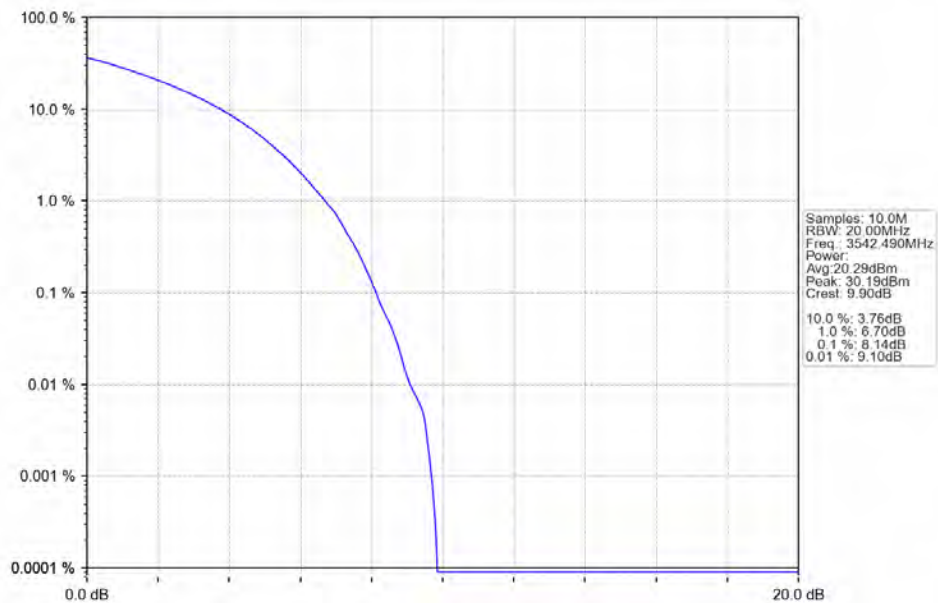
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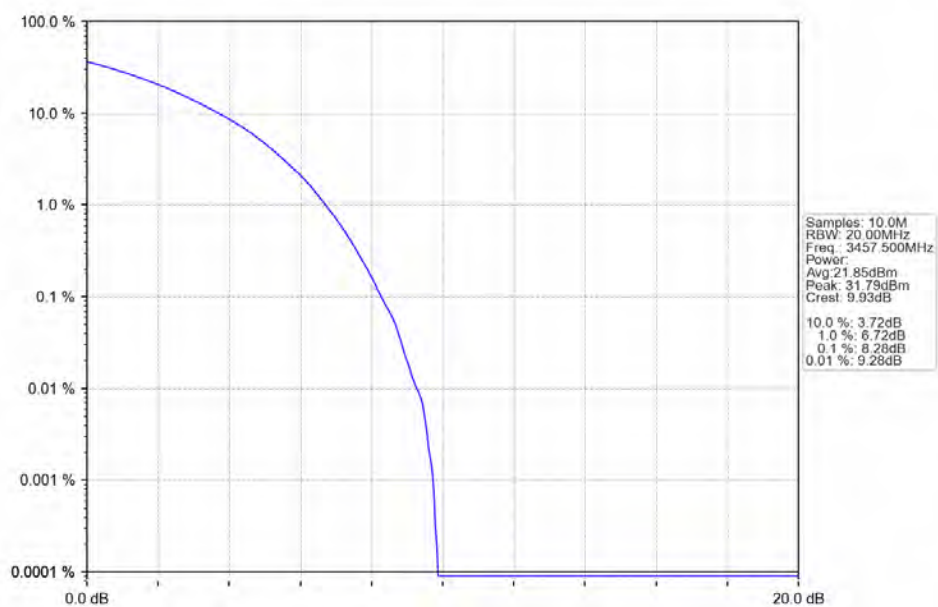
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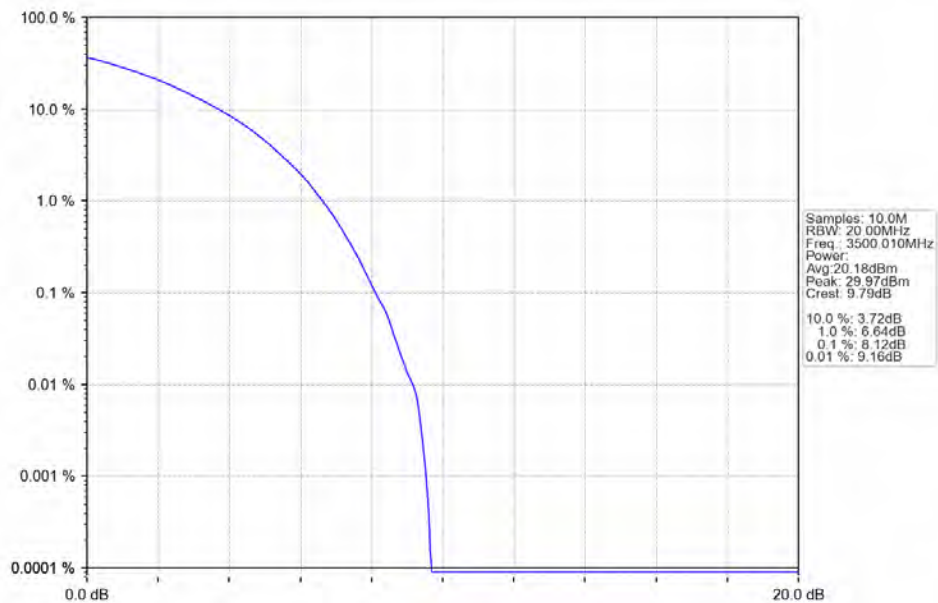
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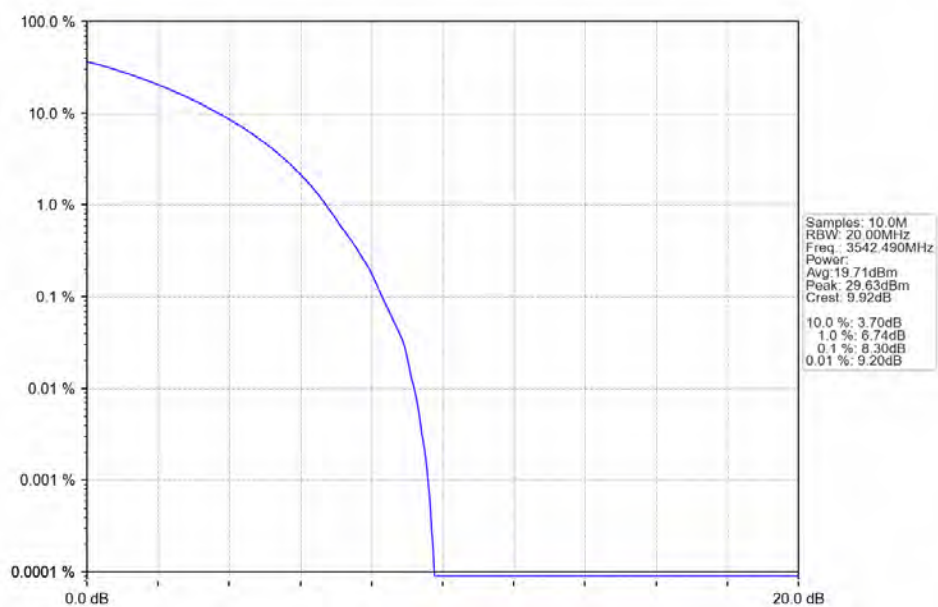
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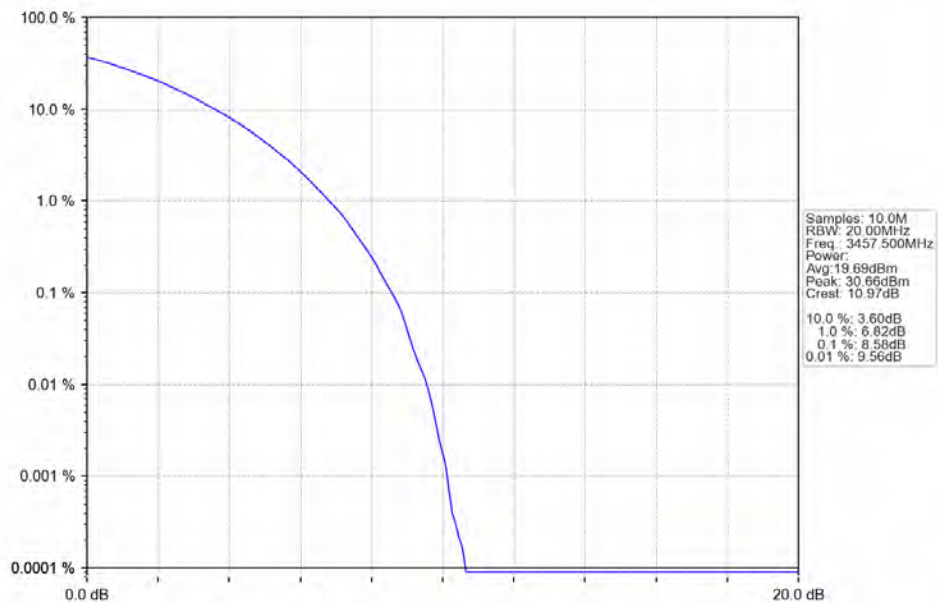
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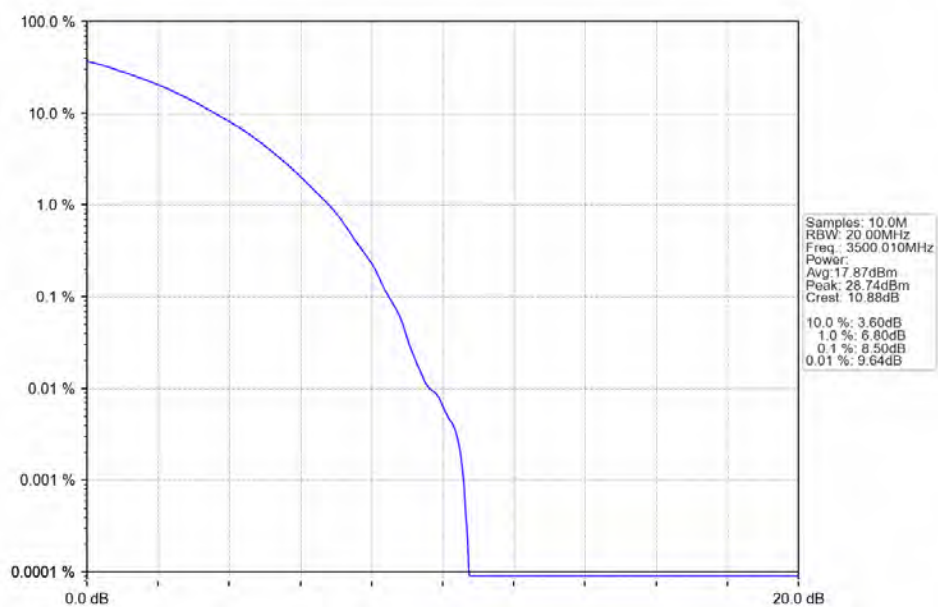
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n78e_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_3457.5MHz_Outer_Full_Ant1



n78e_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant1



n78e_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_3542.49MHz_Outer_Full_Ant1

