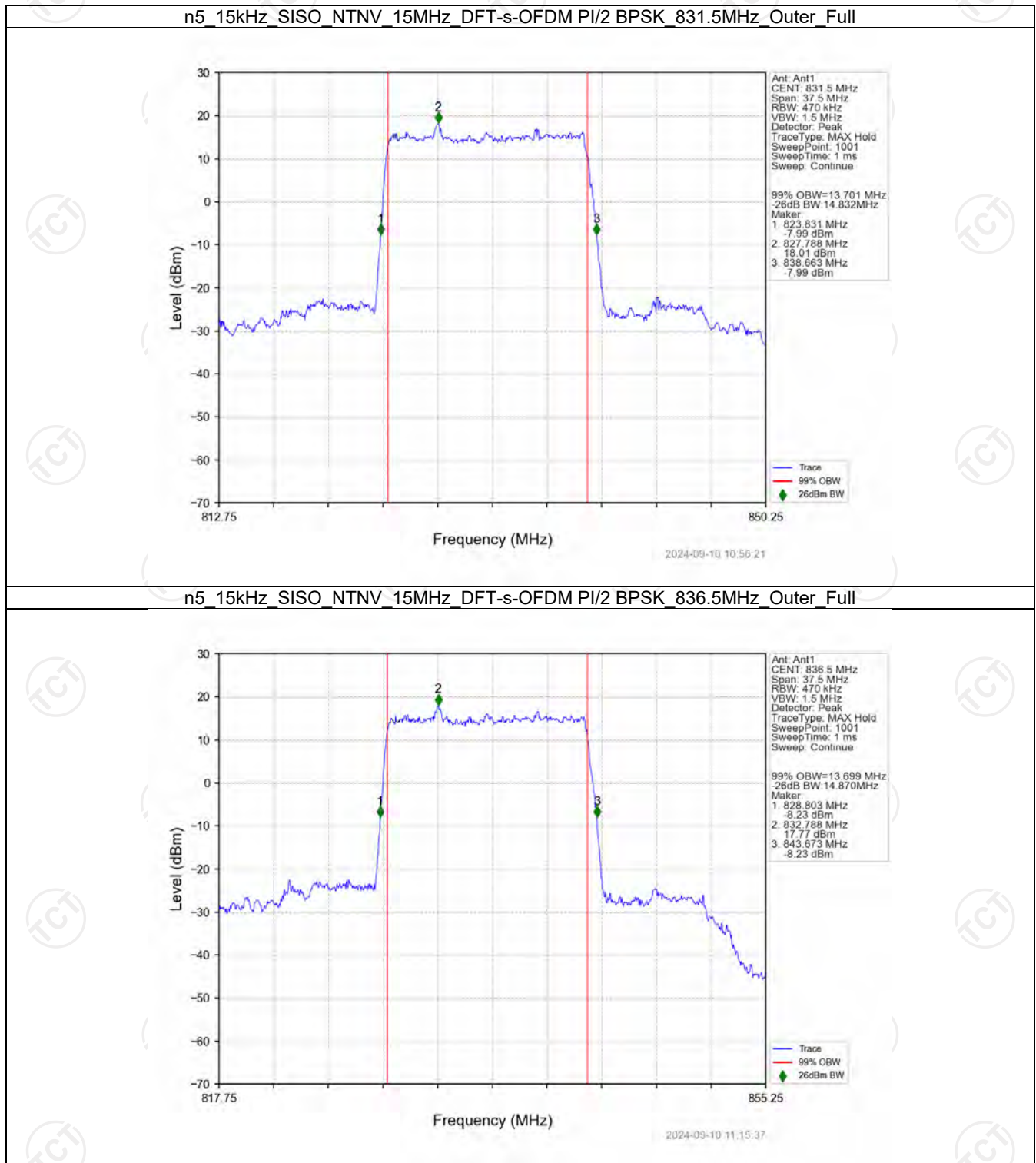
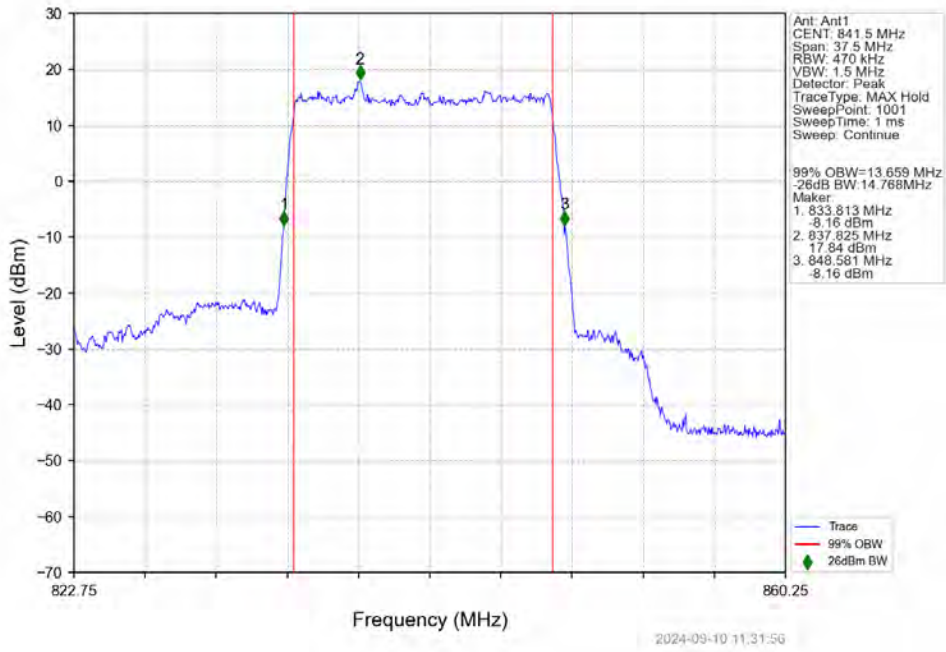


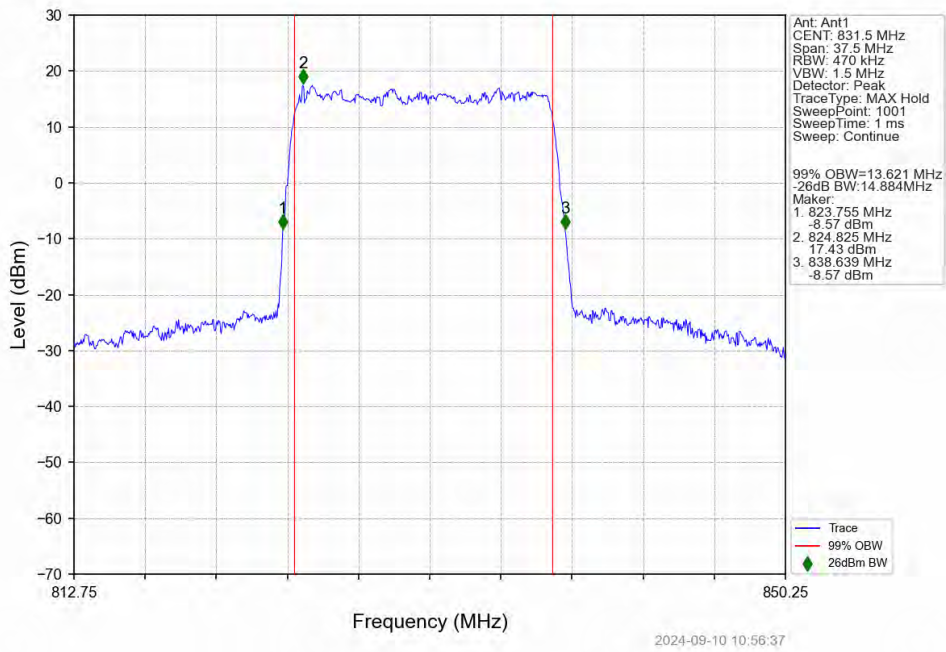
4.2.3 15k_SISO_15MHz_NTNV



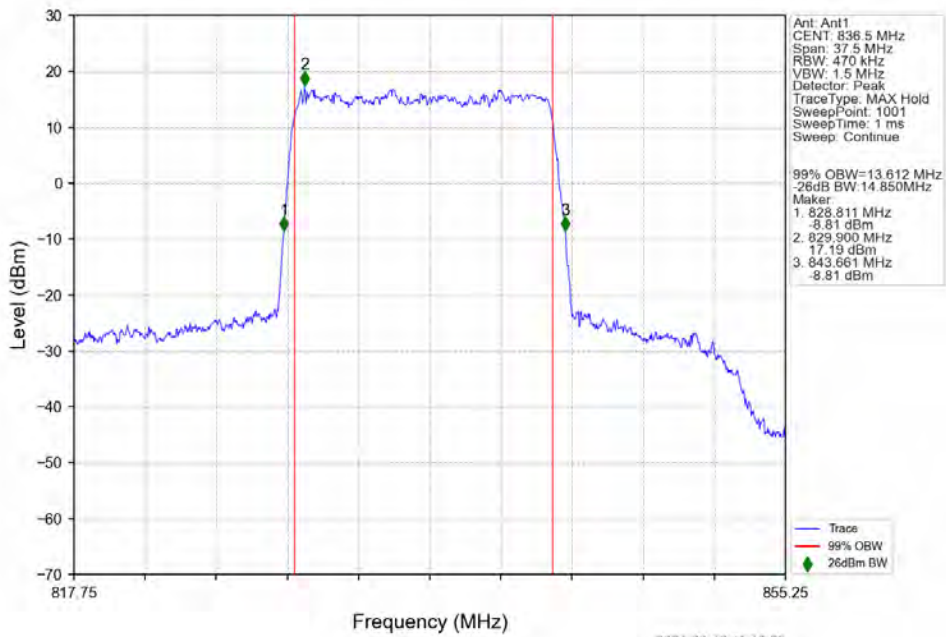
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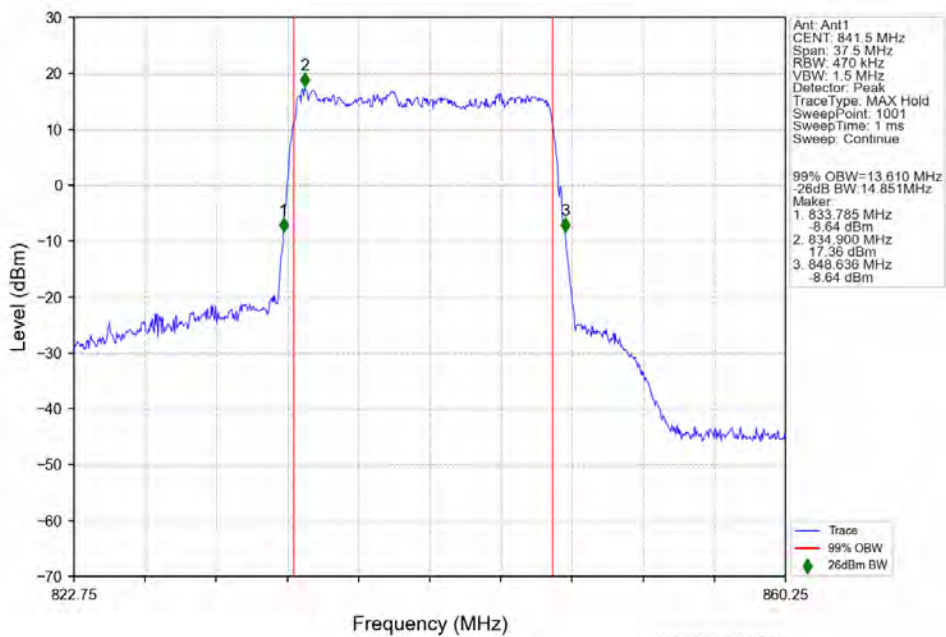
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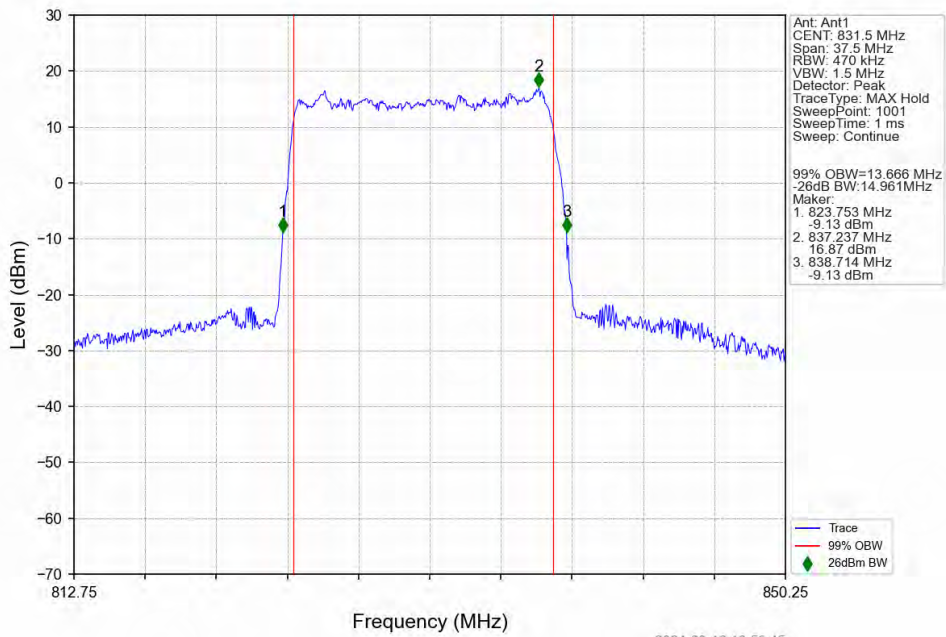
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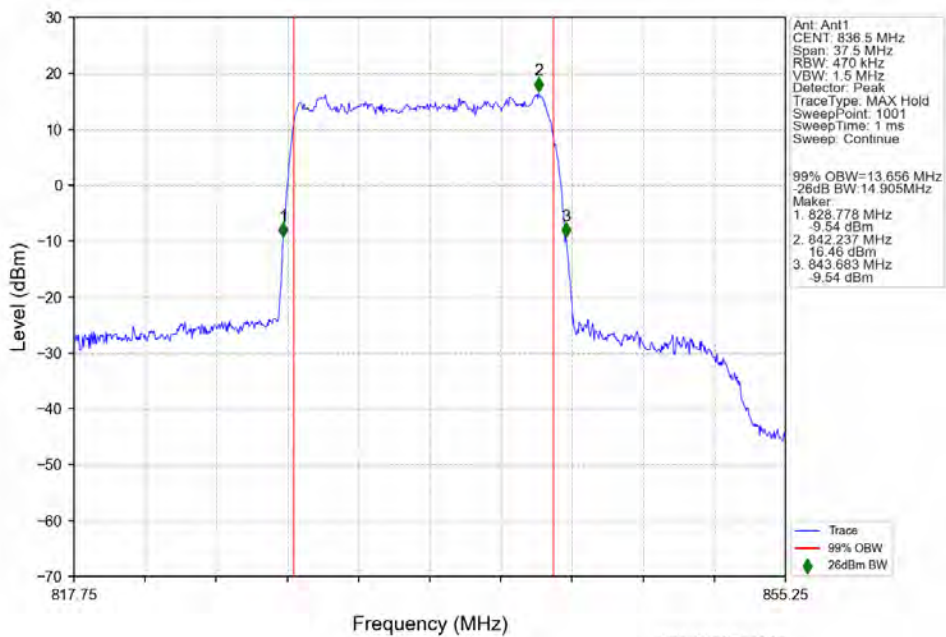
n5 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Outer Full



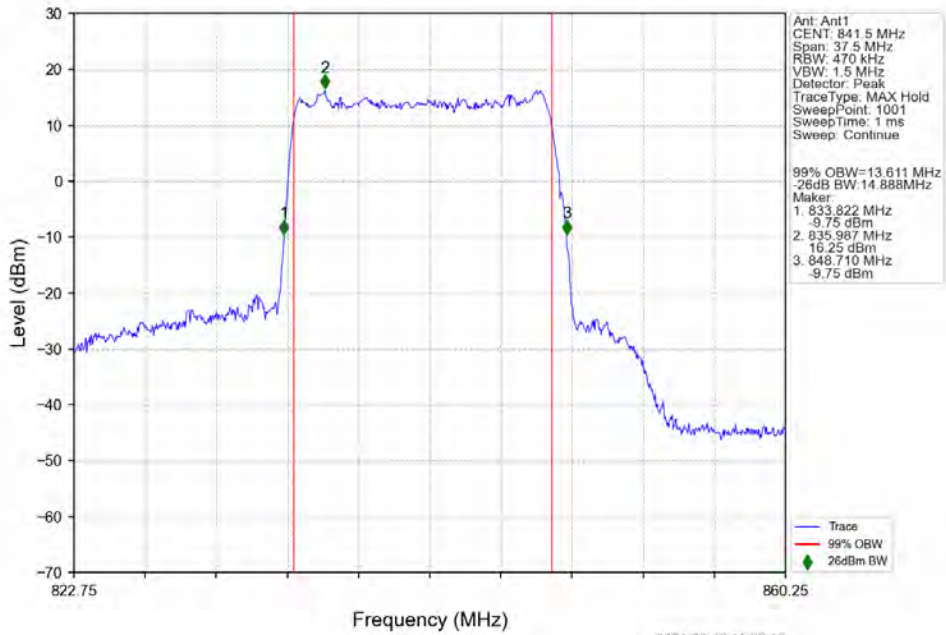
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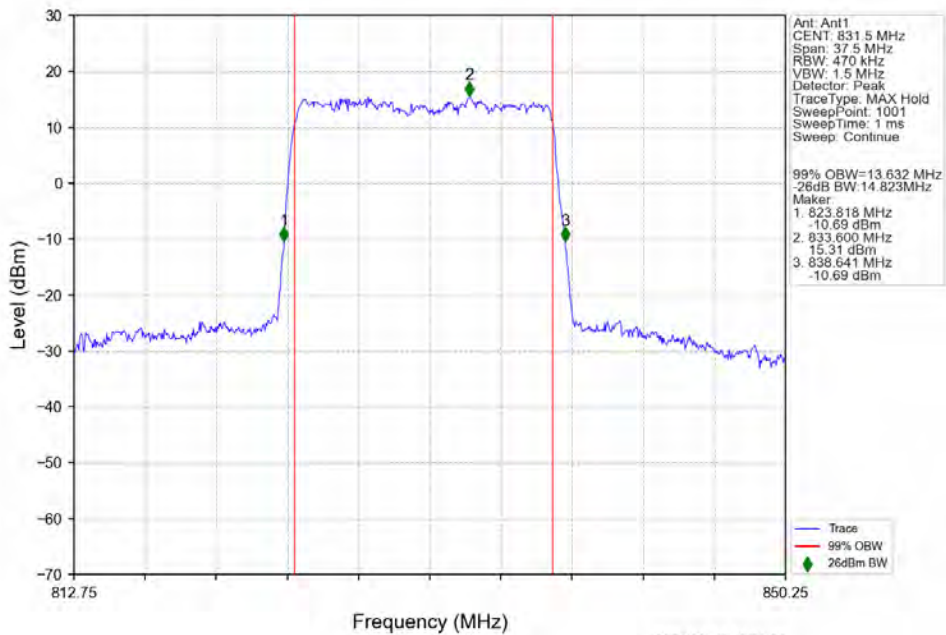
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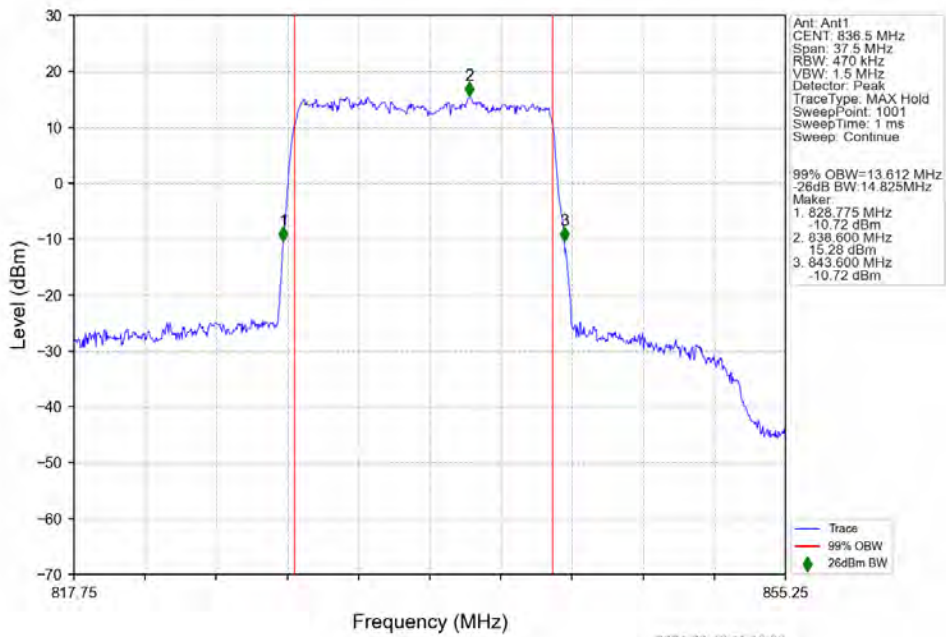
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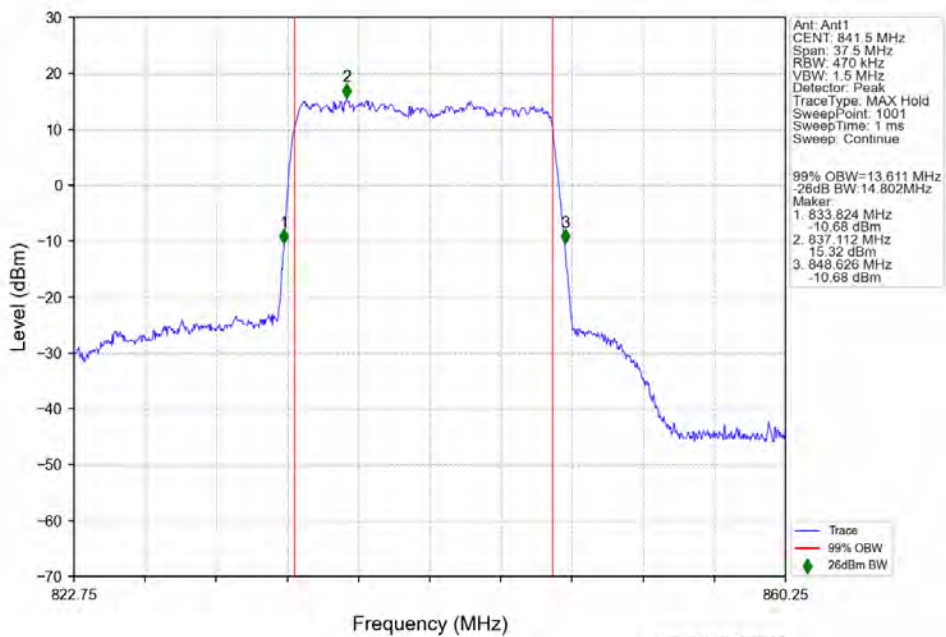
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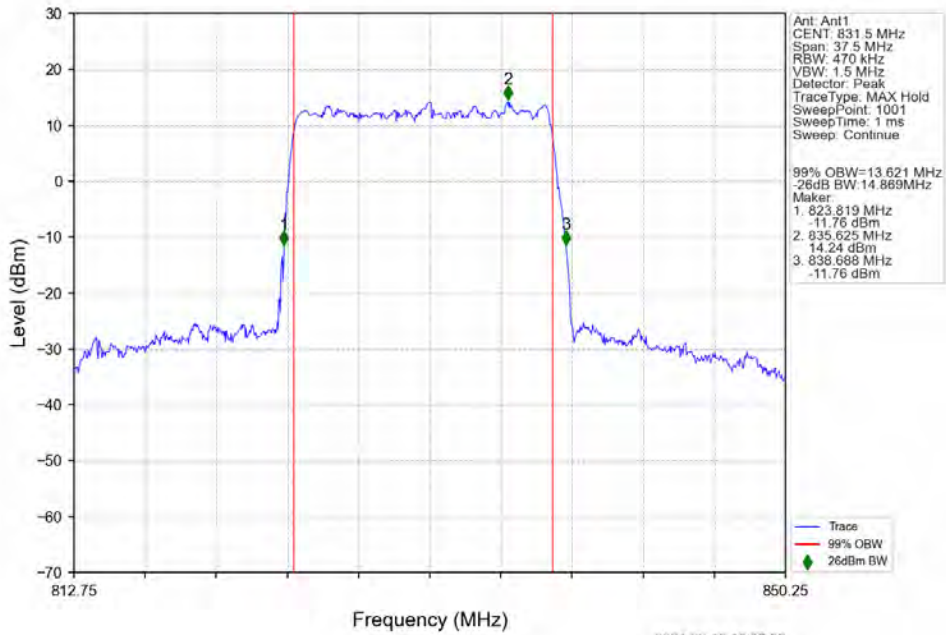
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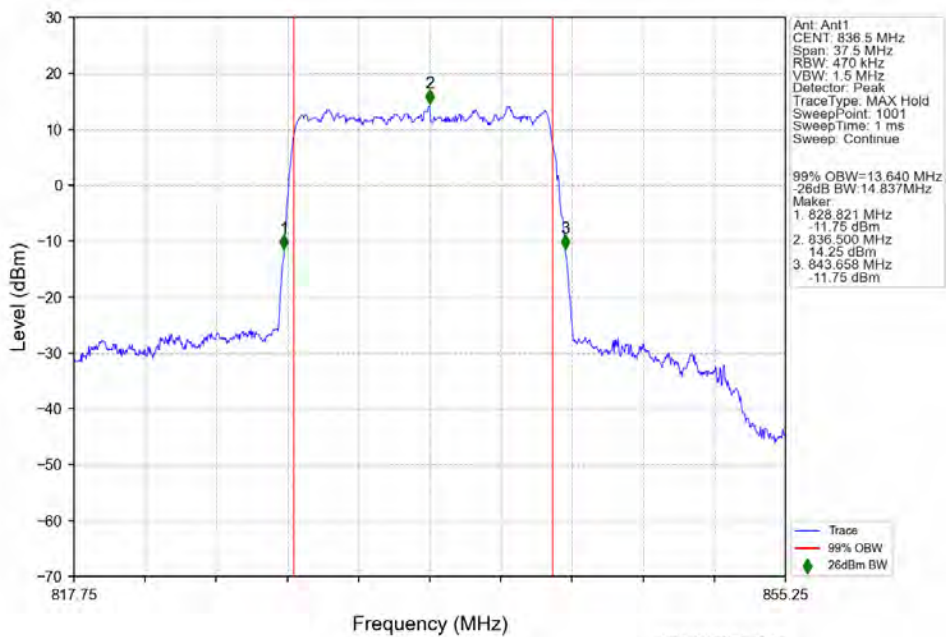
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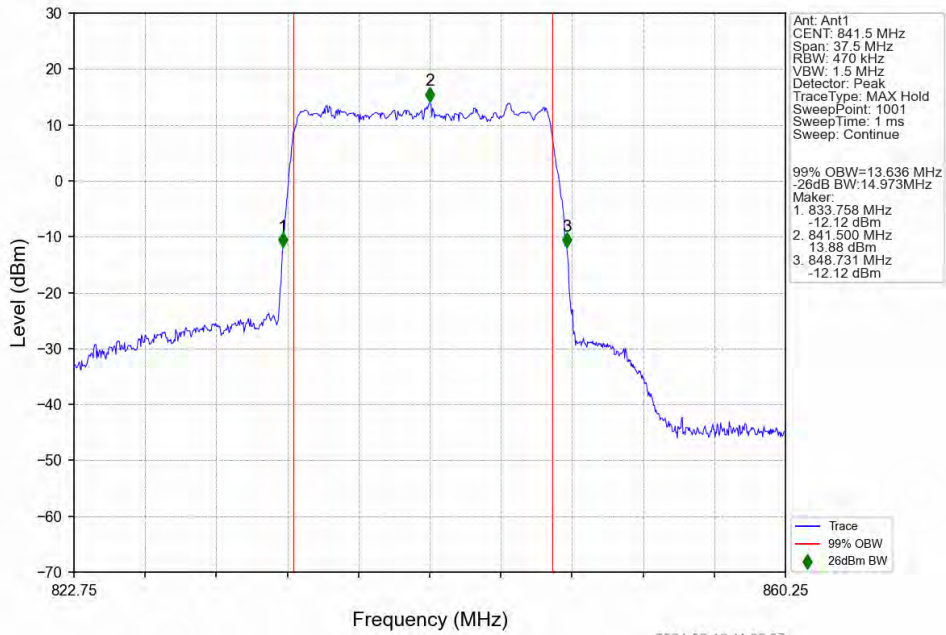
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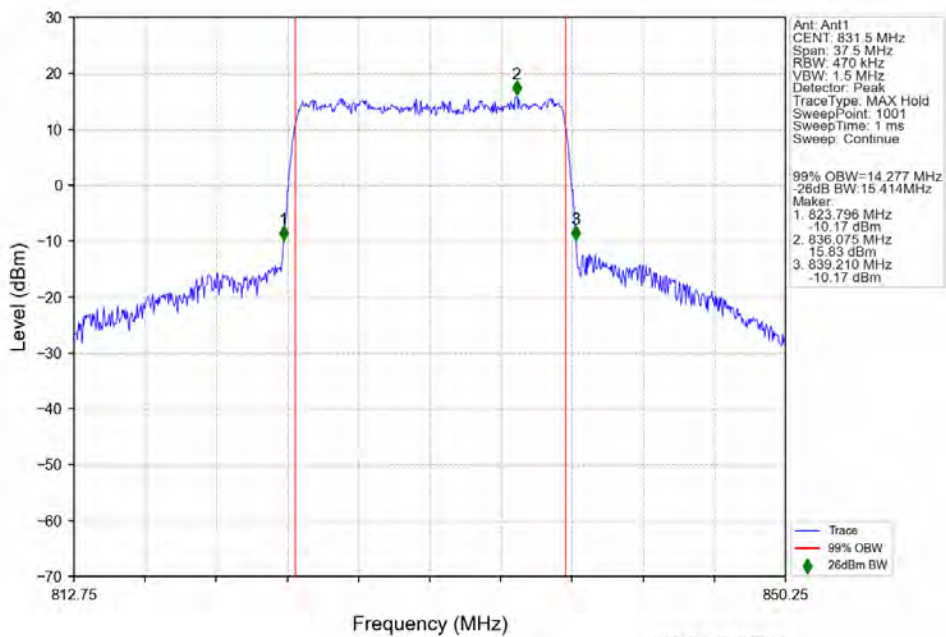
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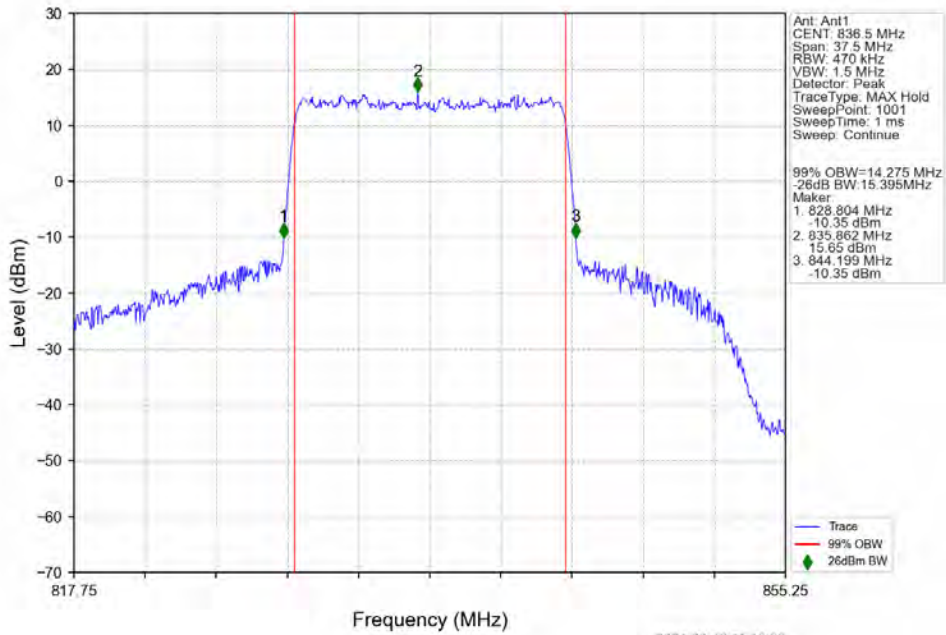
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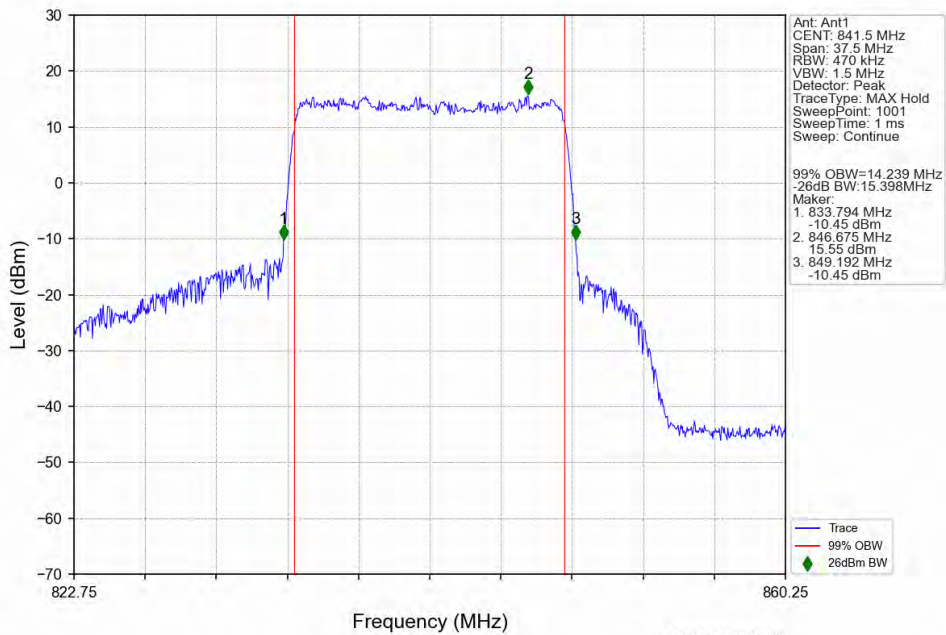
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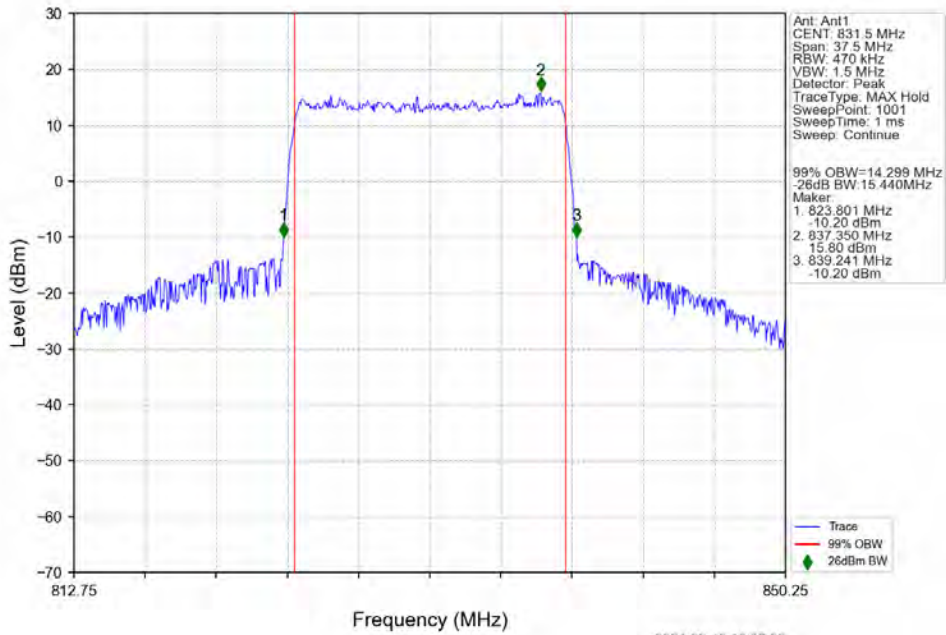
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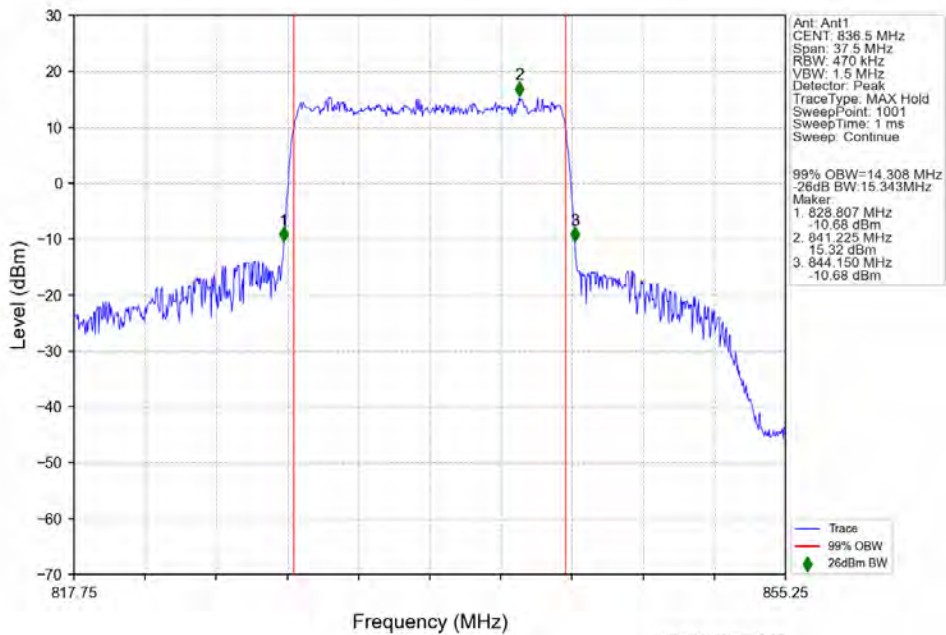
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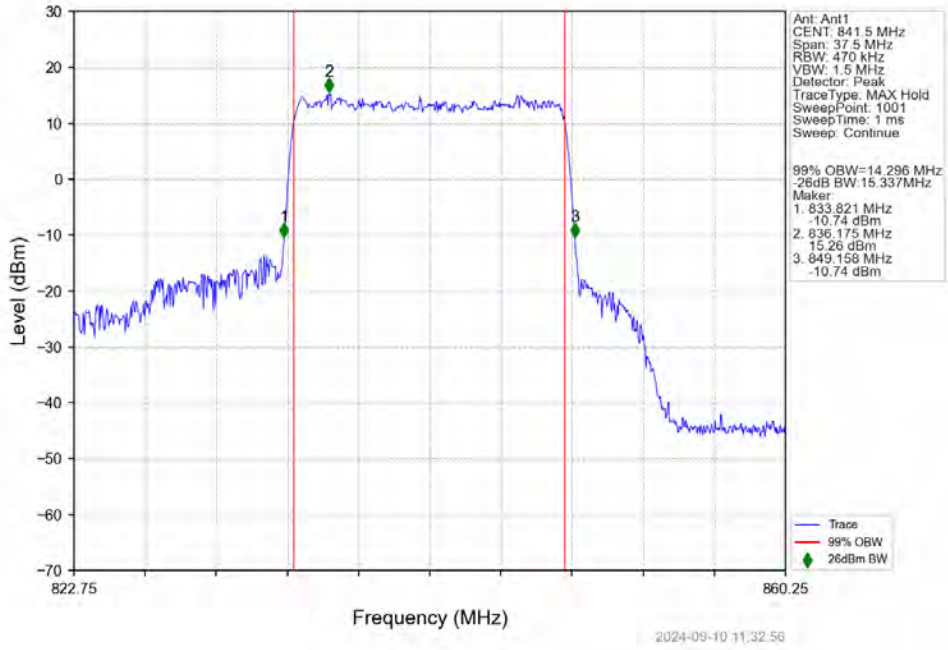
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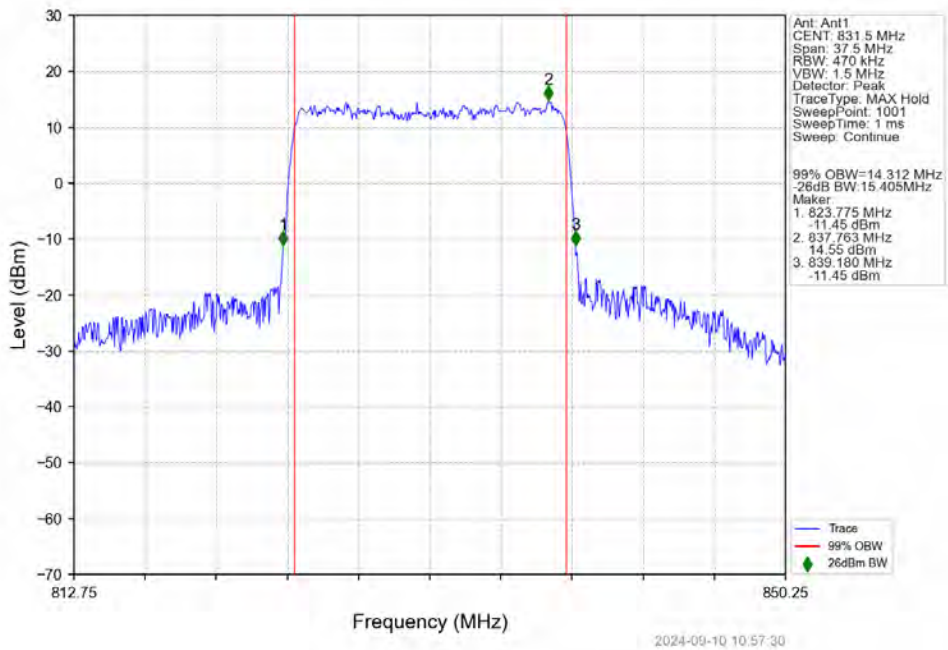
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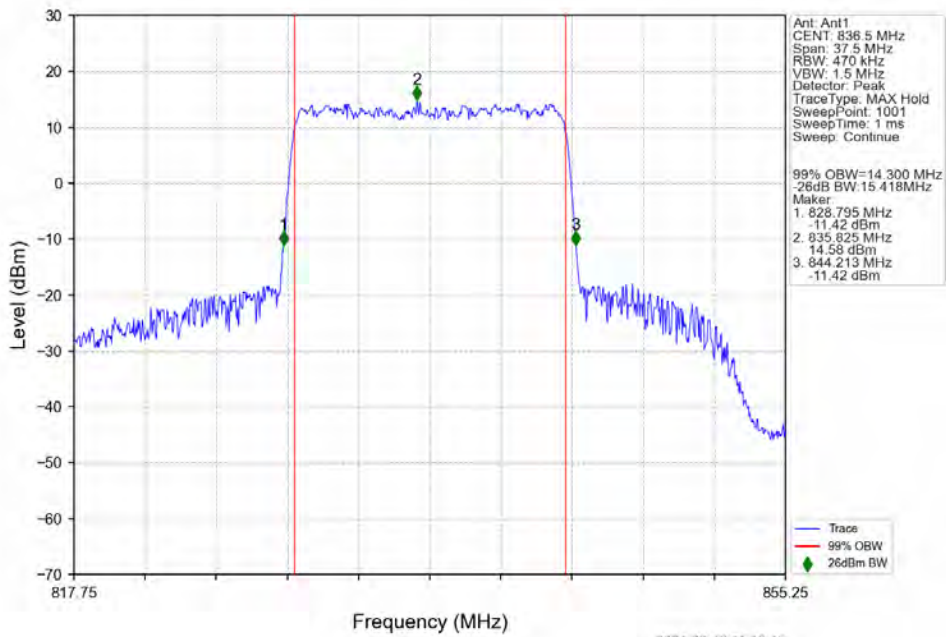
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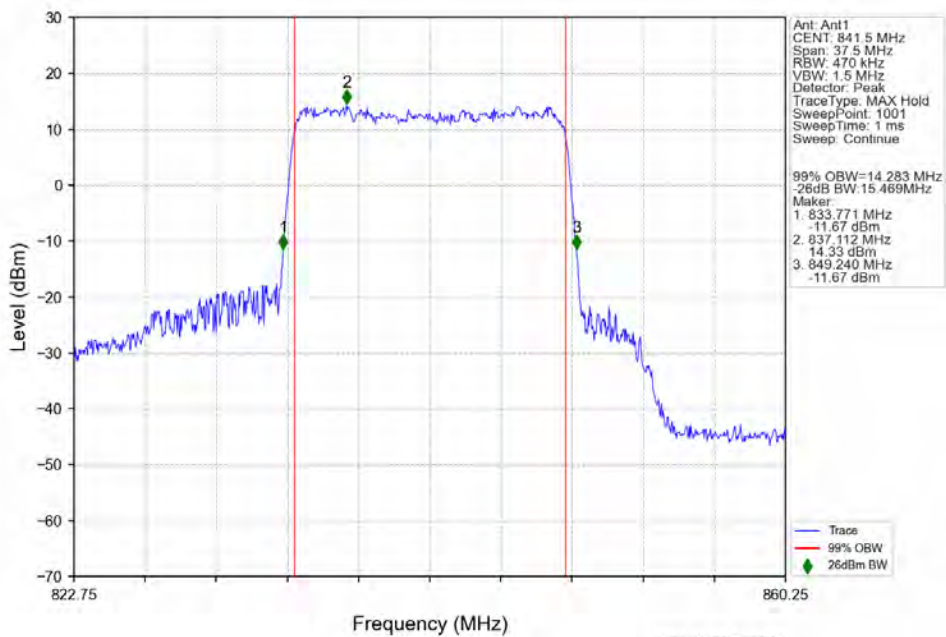
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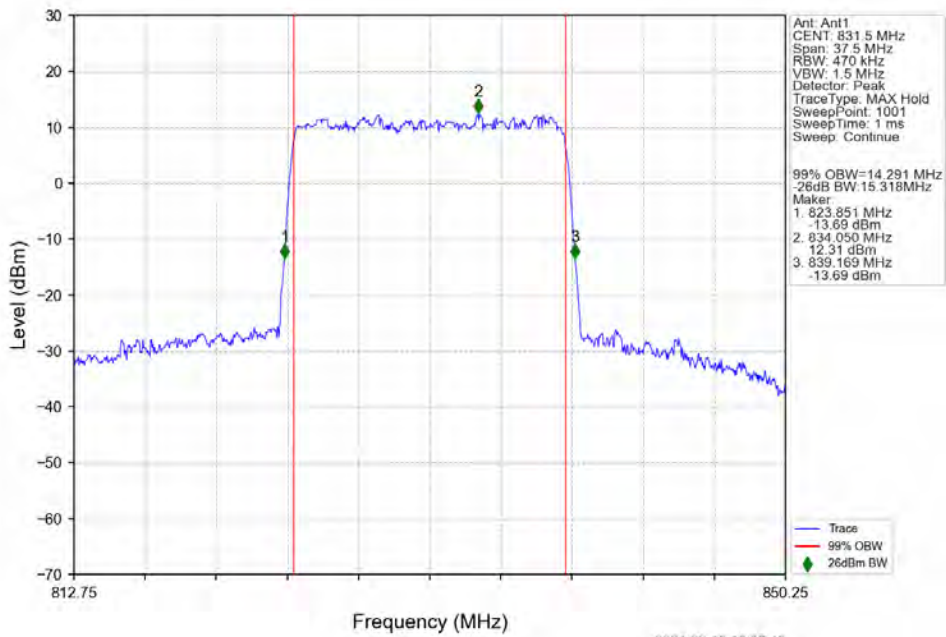
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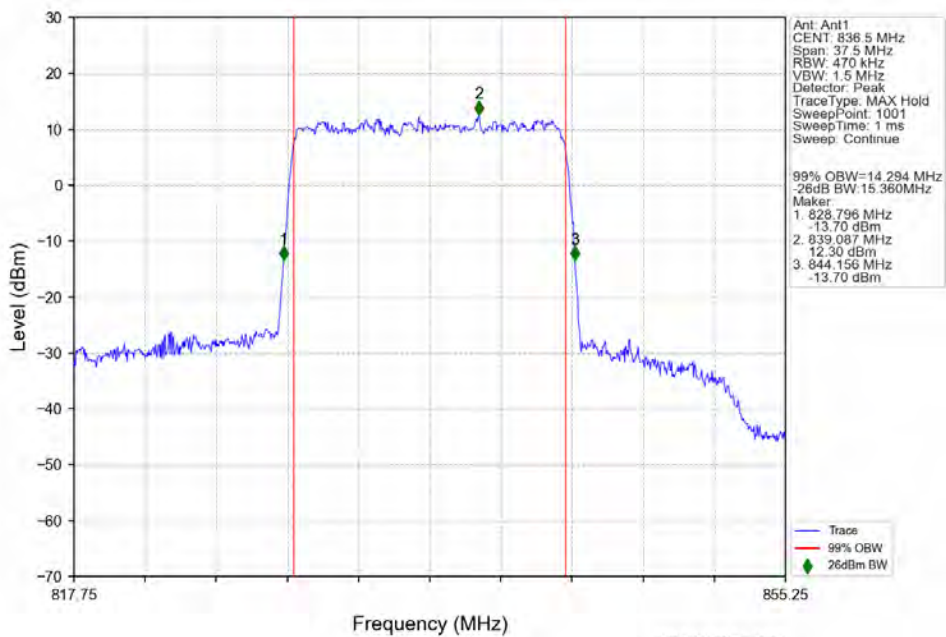
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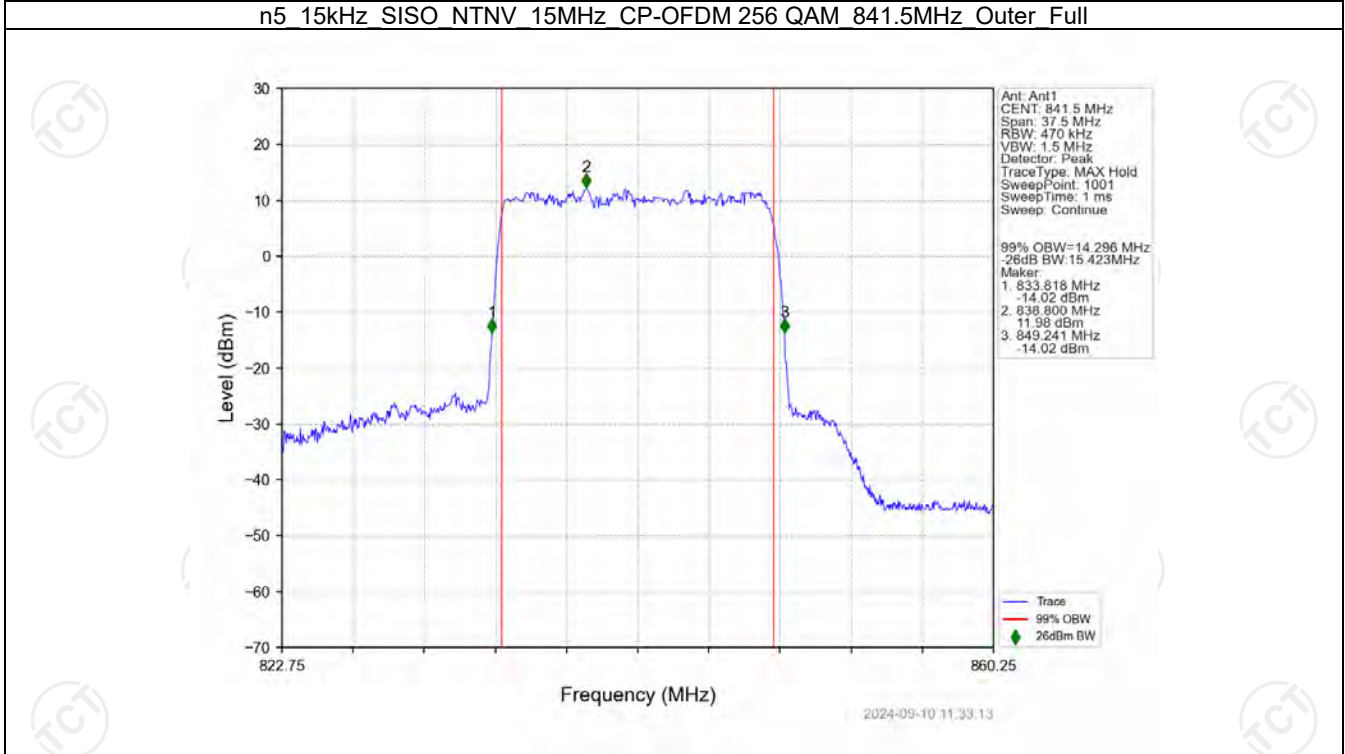
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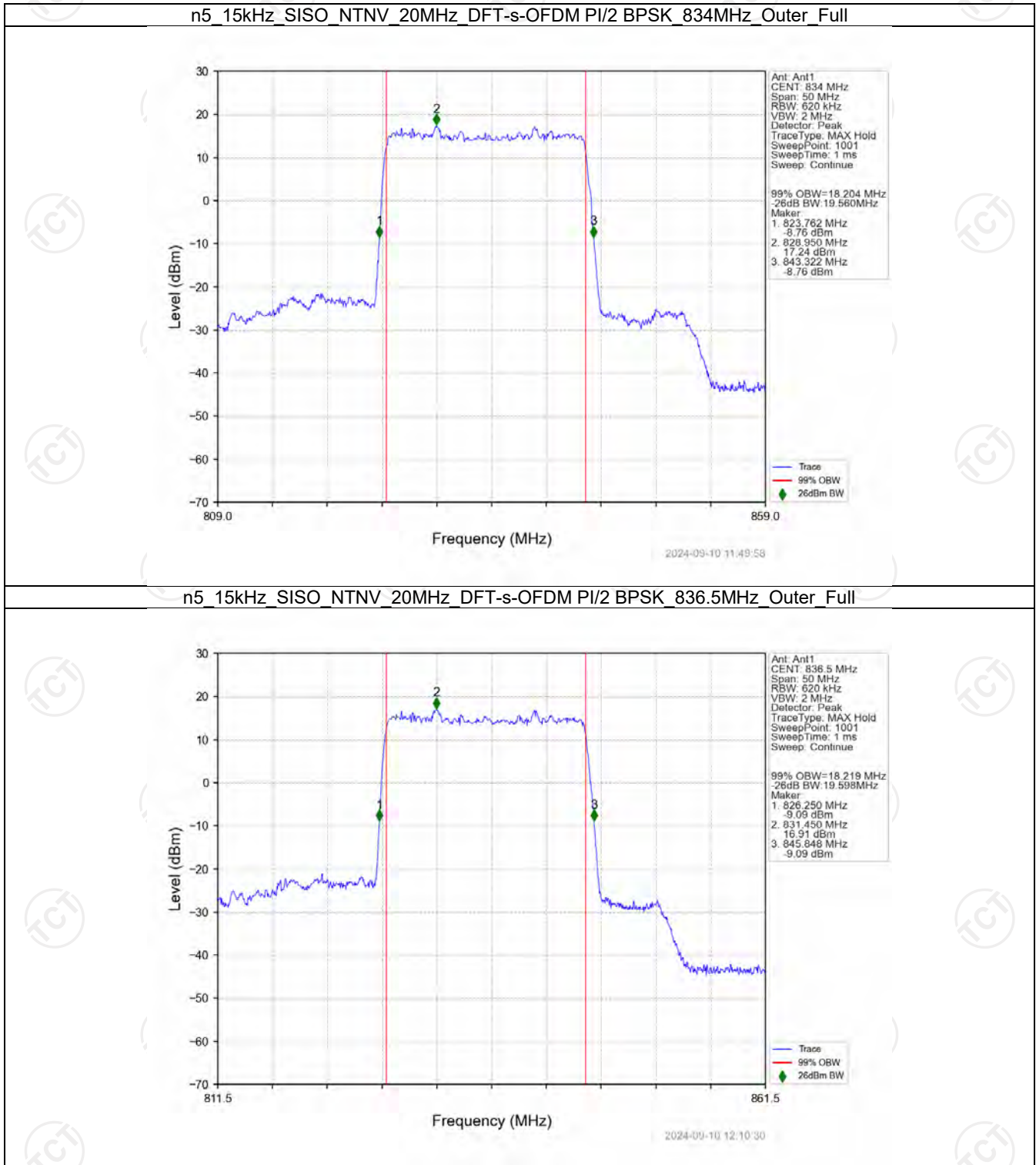
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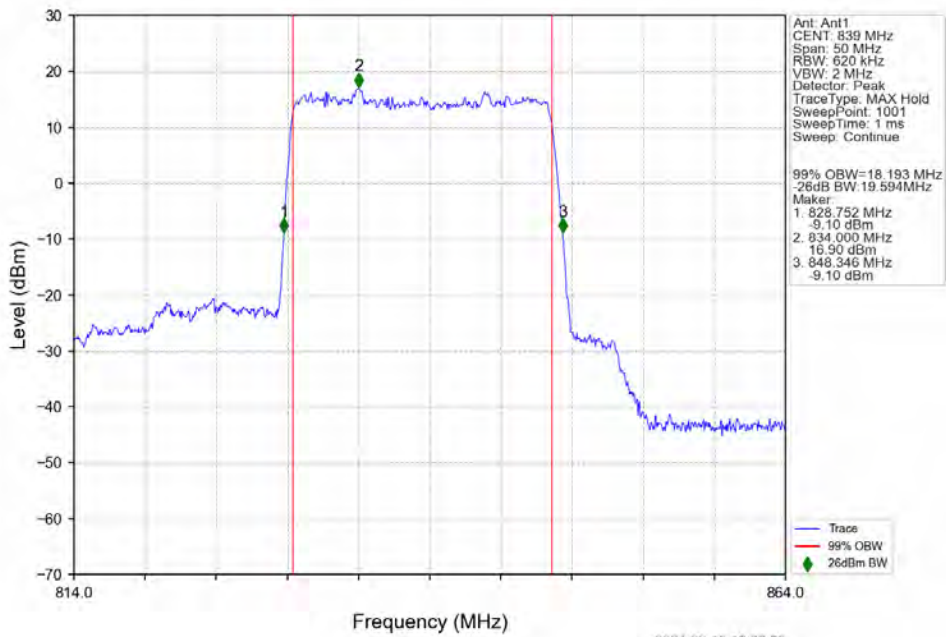
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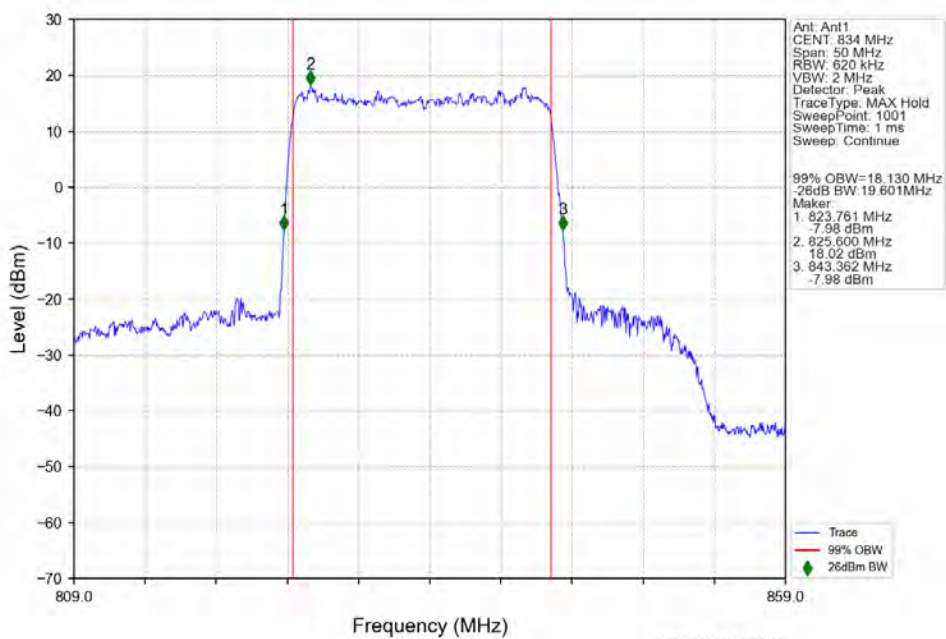
4.2.4 15k_SISO_20MHz_NTNV



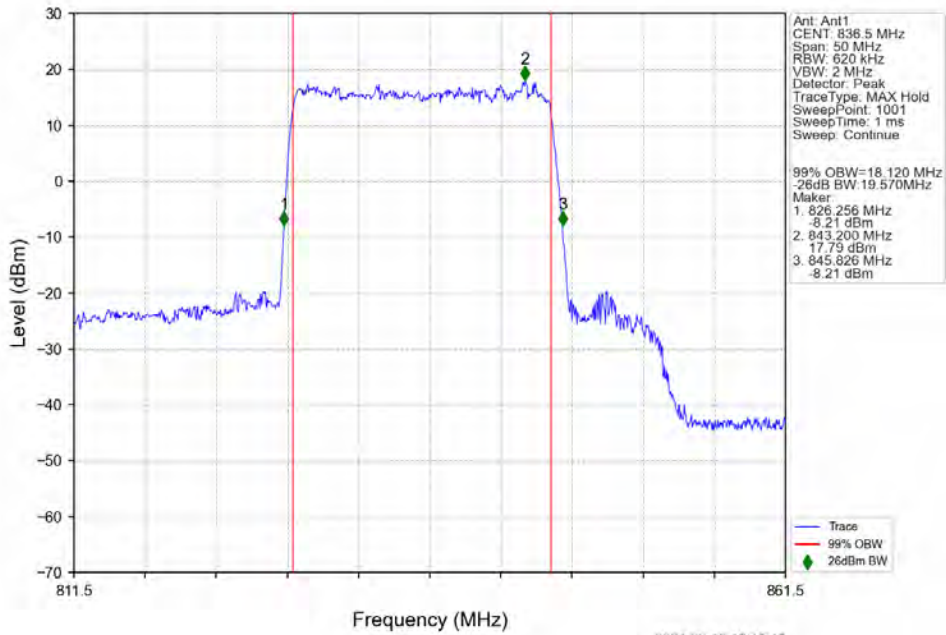
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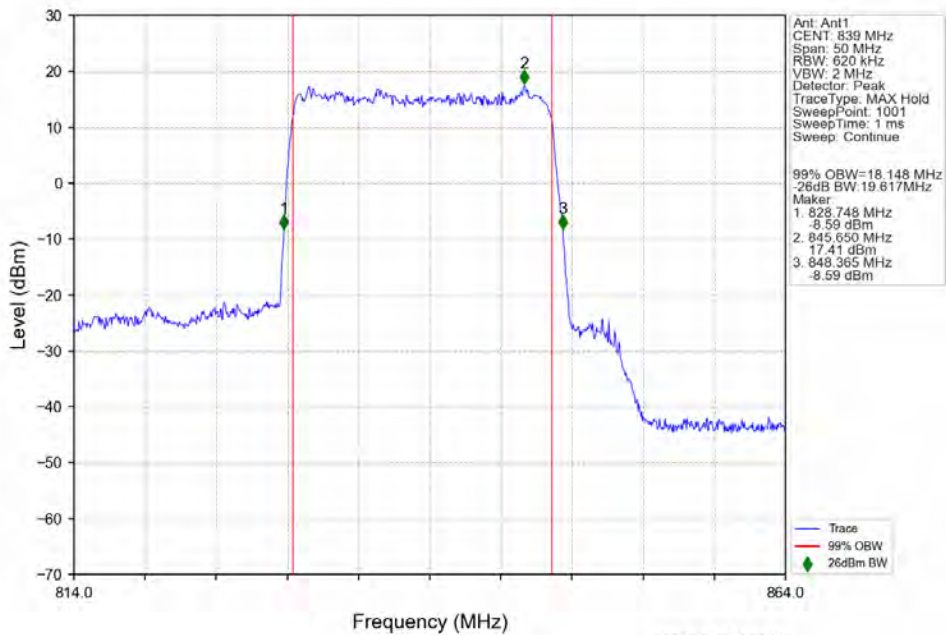
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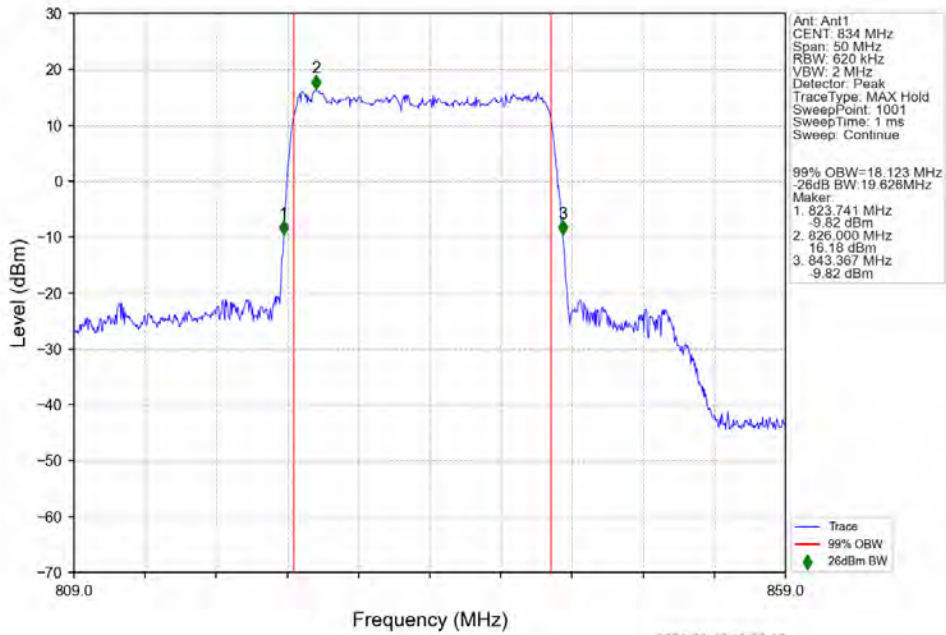
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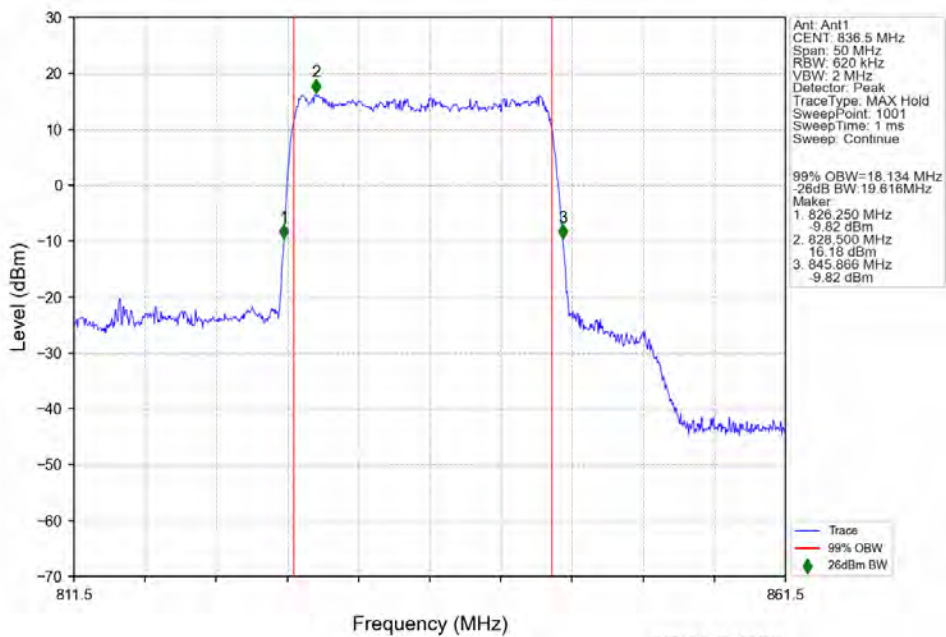
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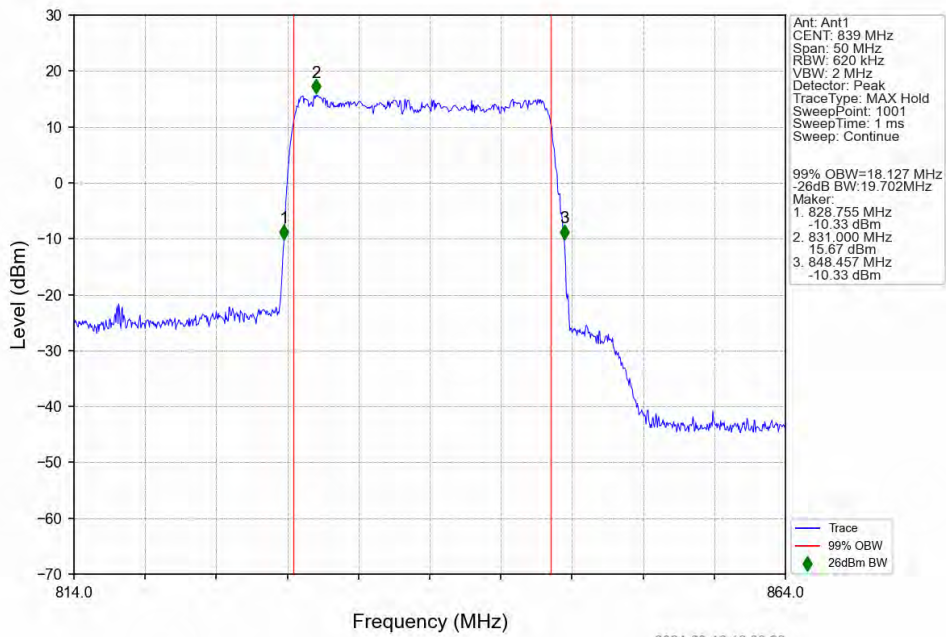
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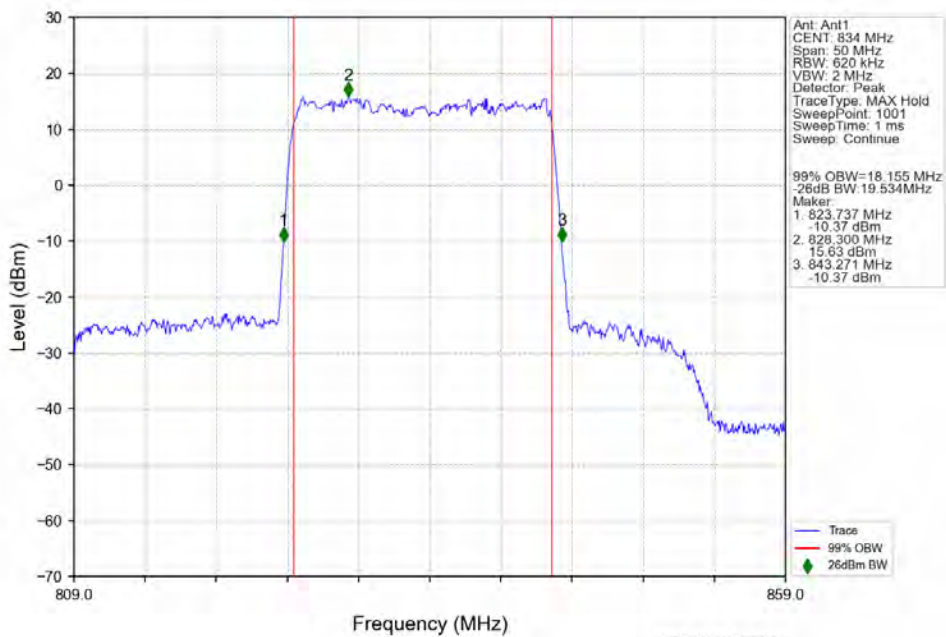
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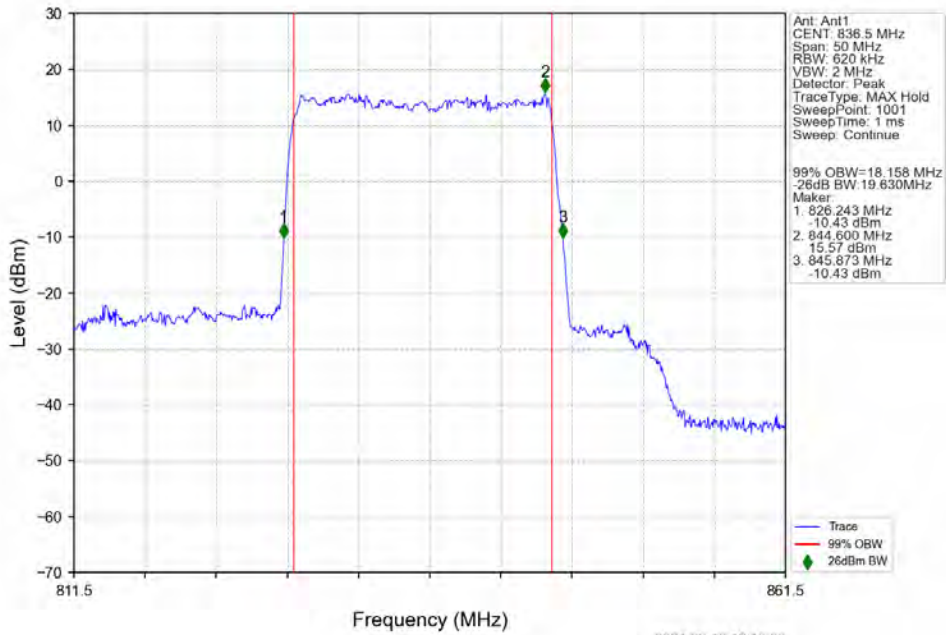
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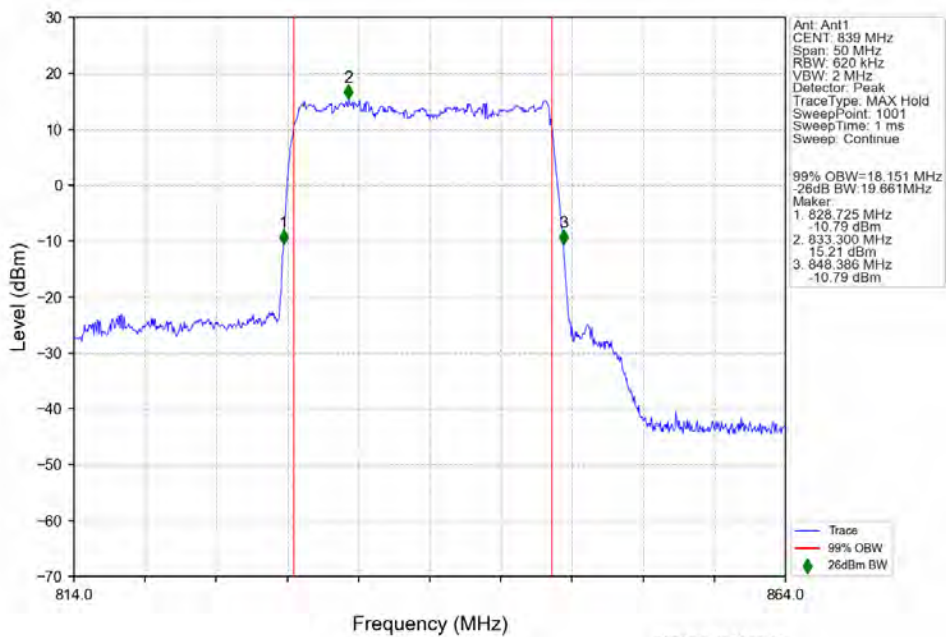
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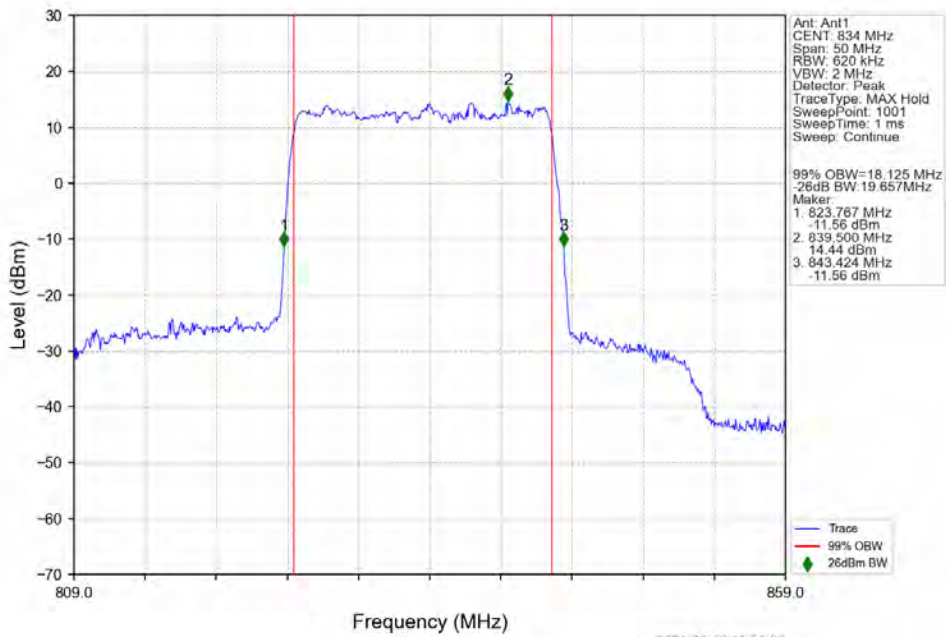
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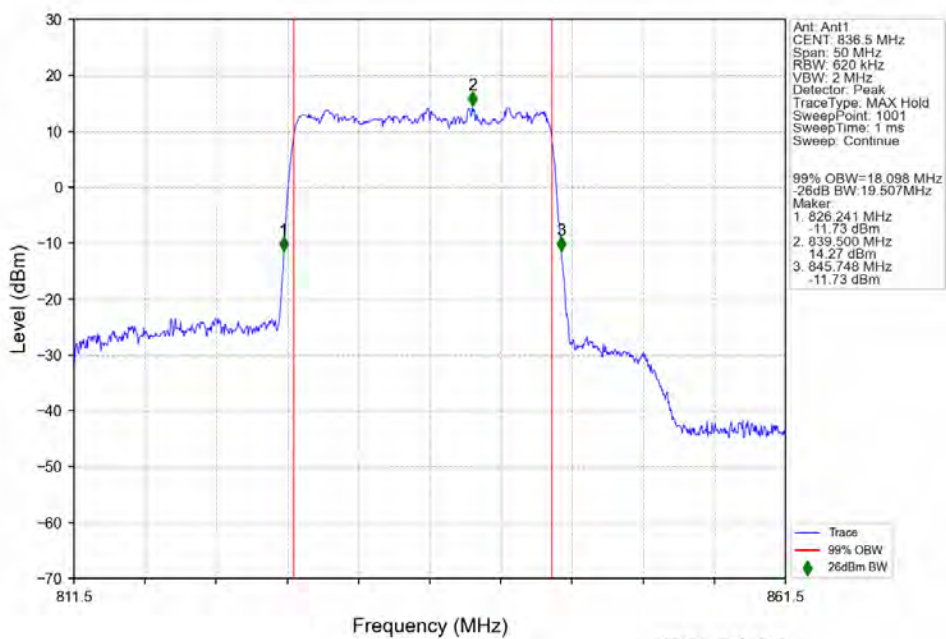
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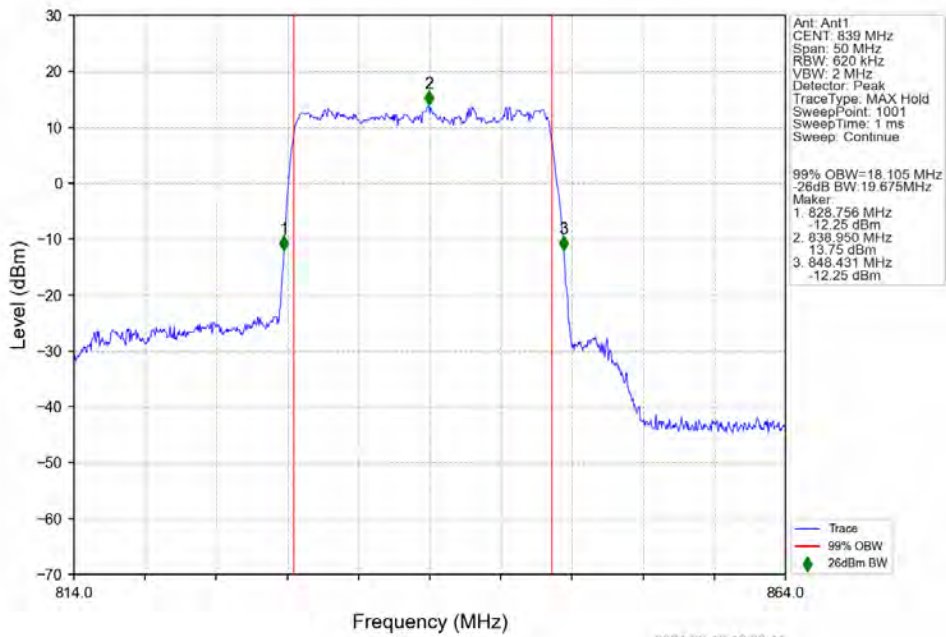
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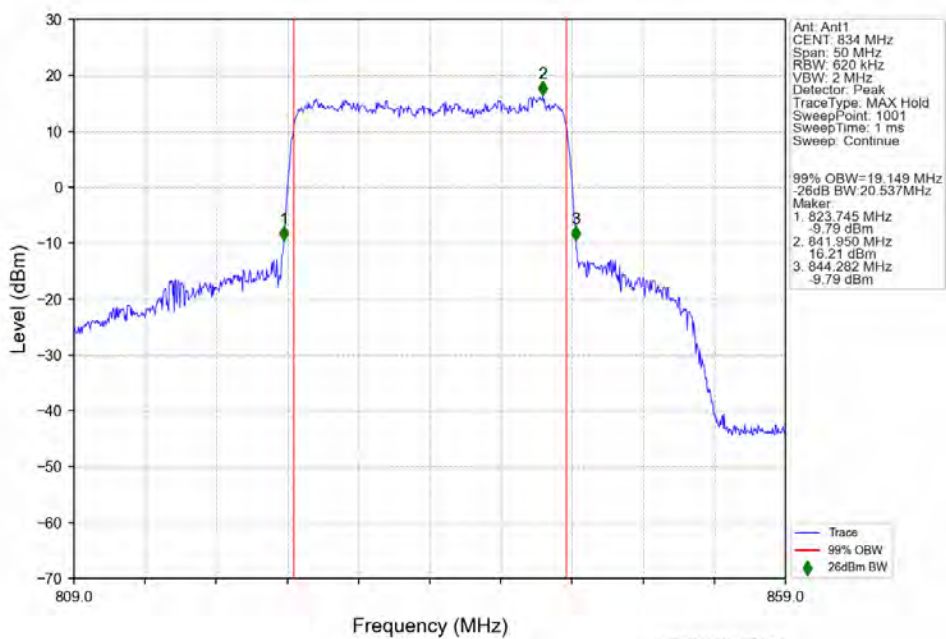
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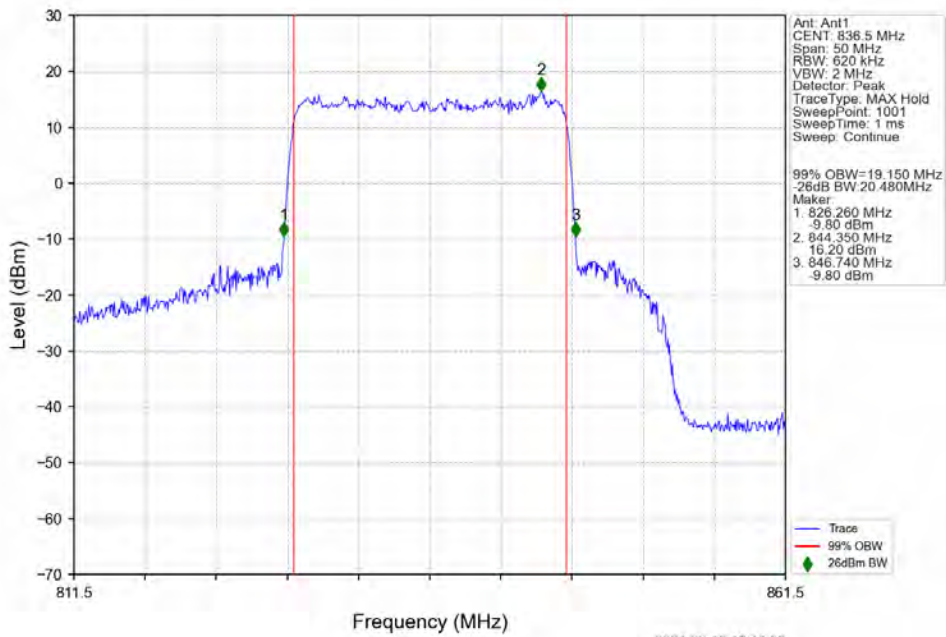
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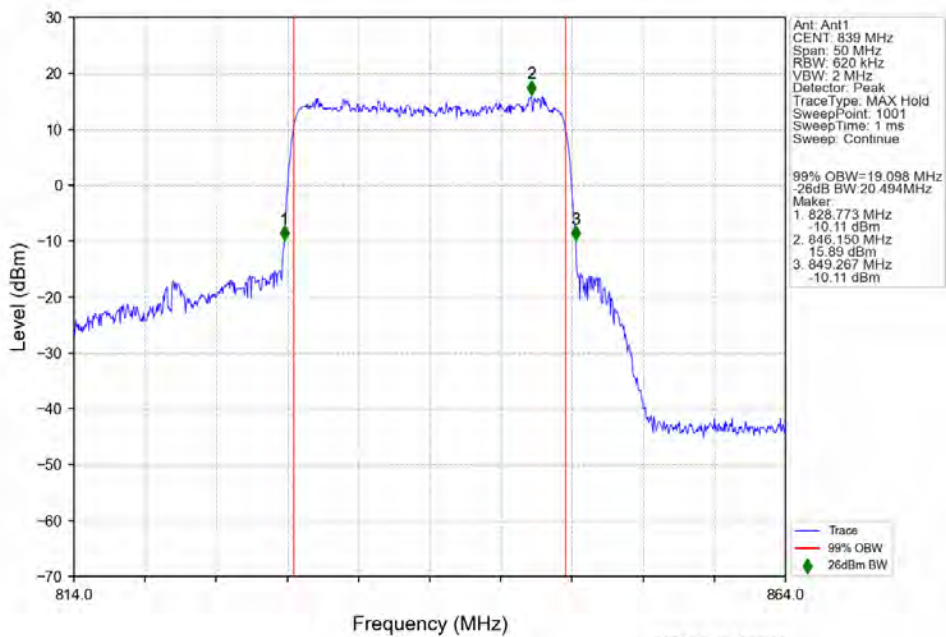
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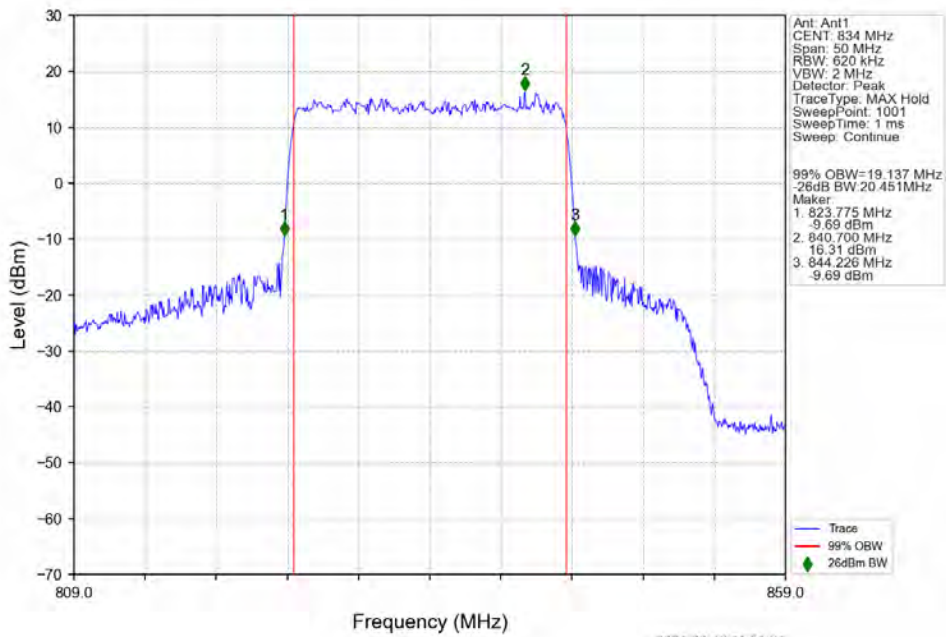
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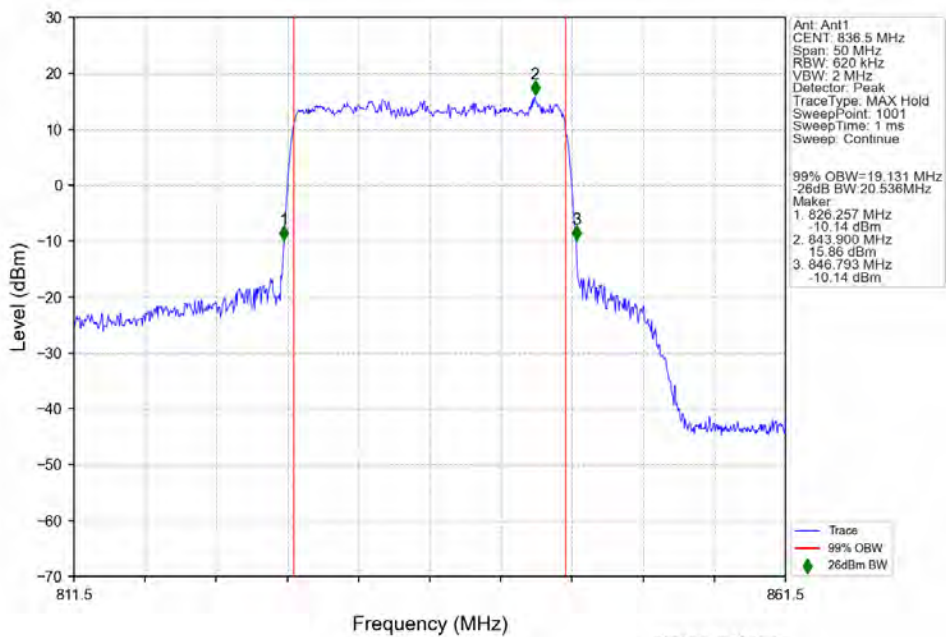
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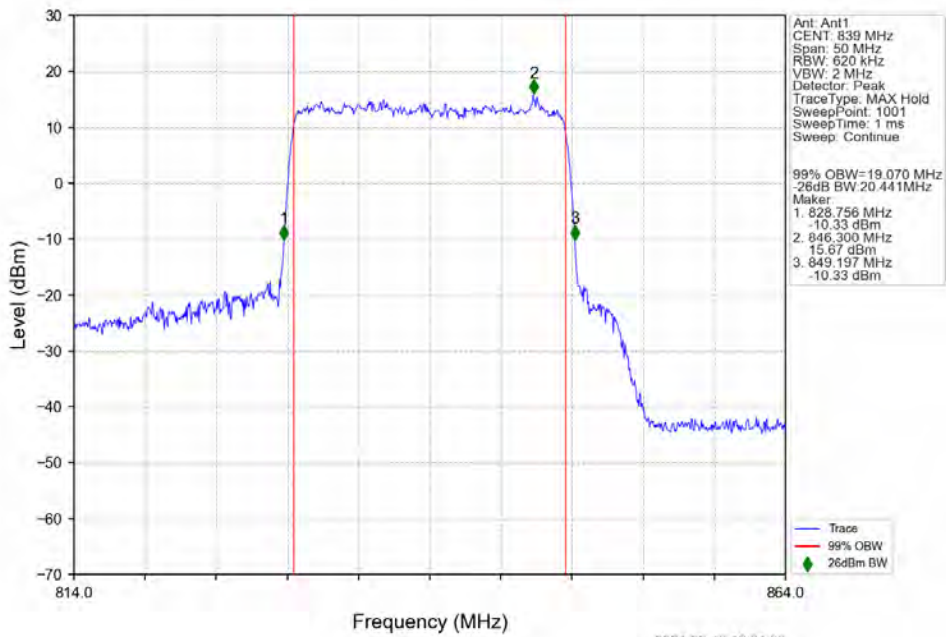
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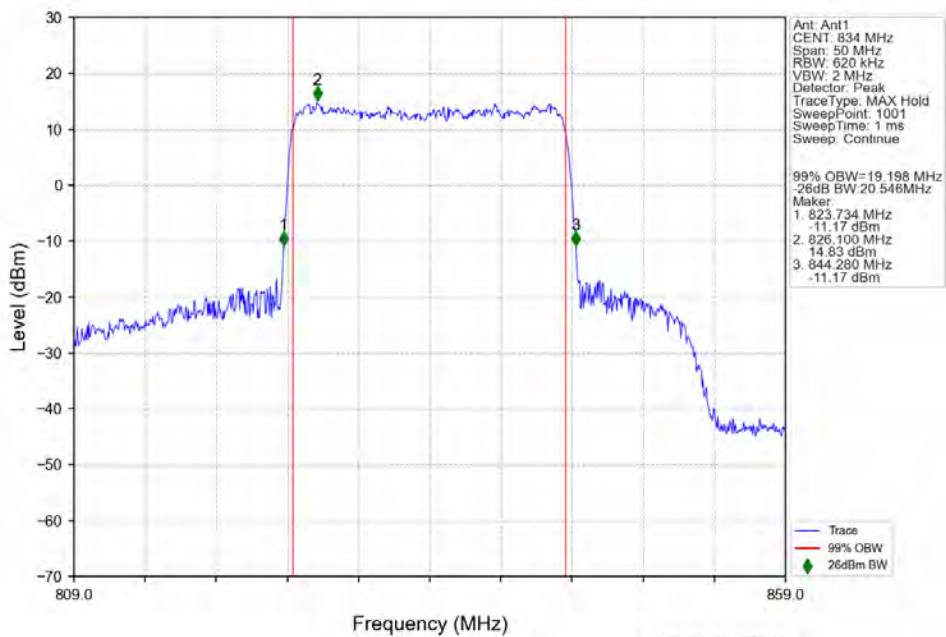
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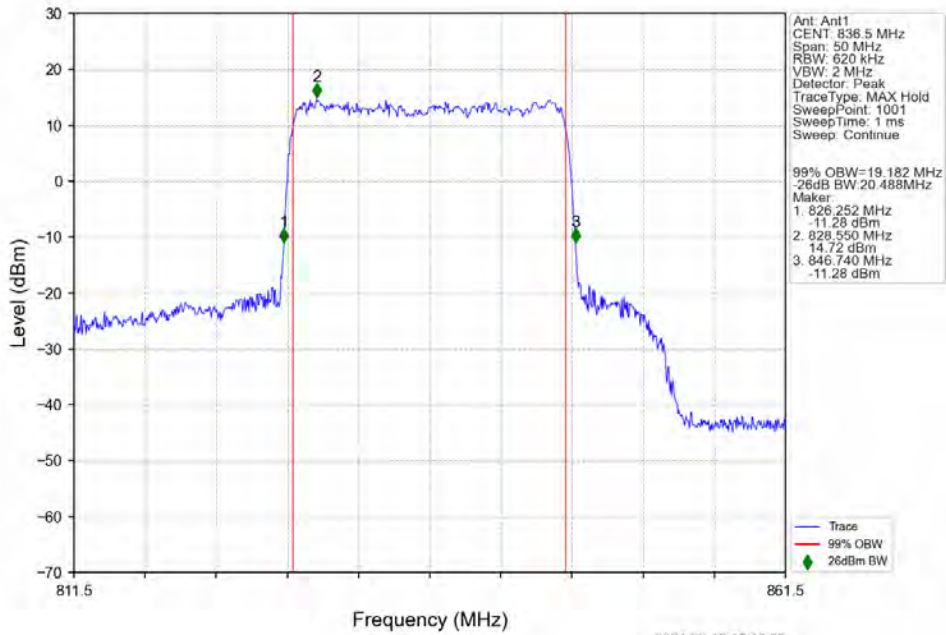
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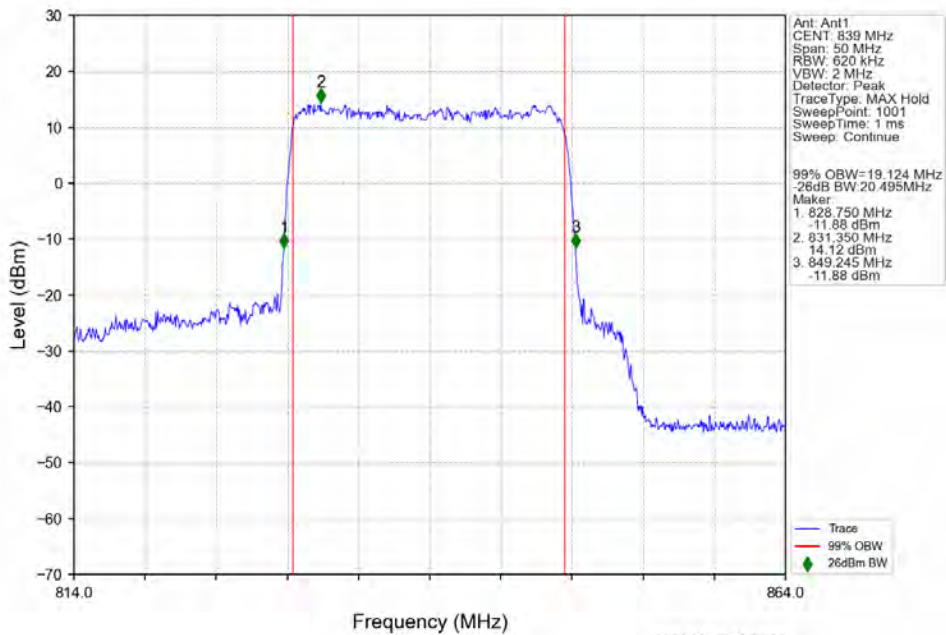
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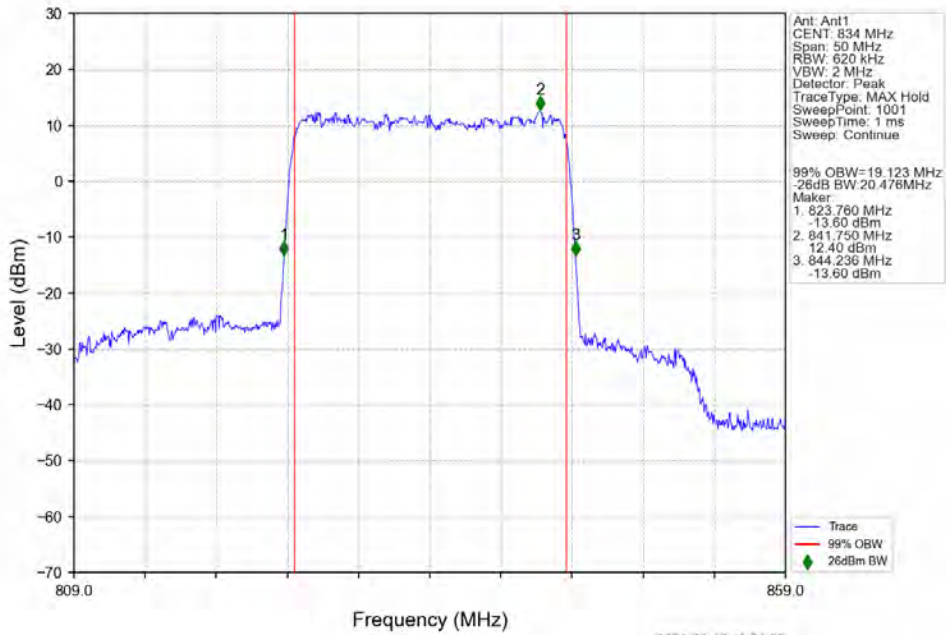
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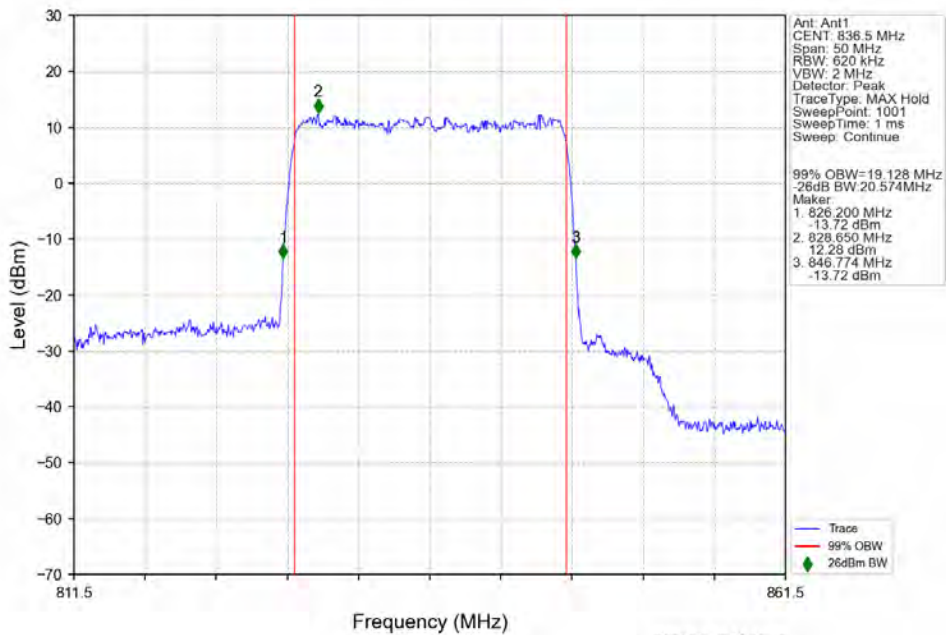
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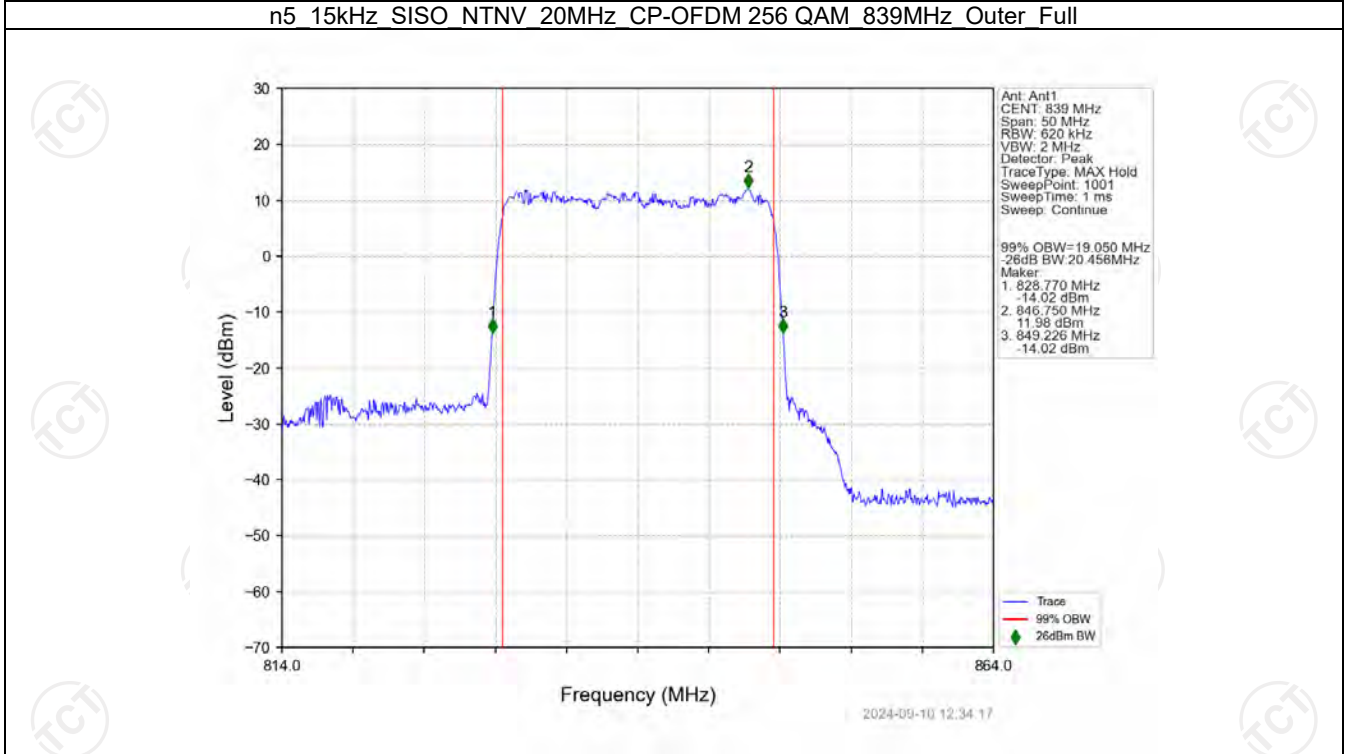
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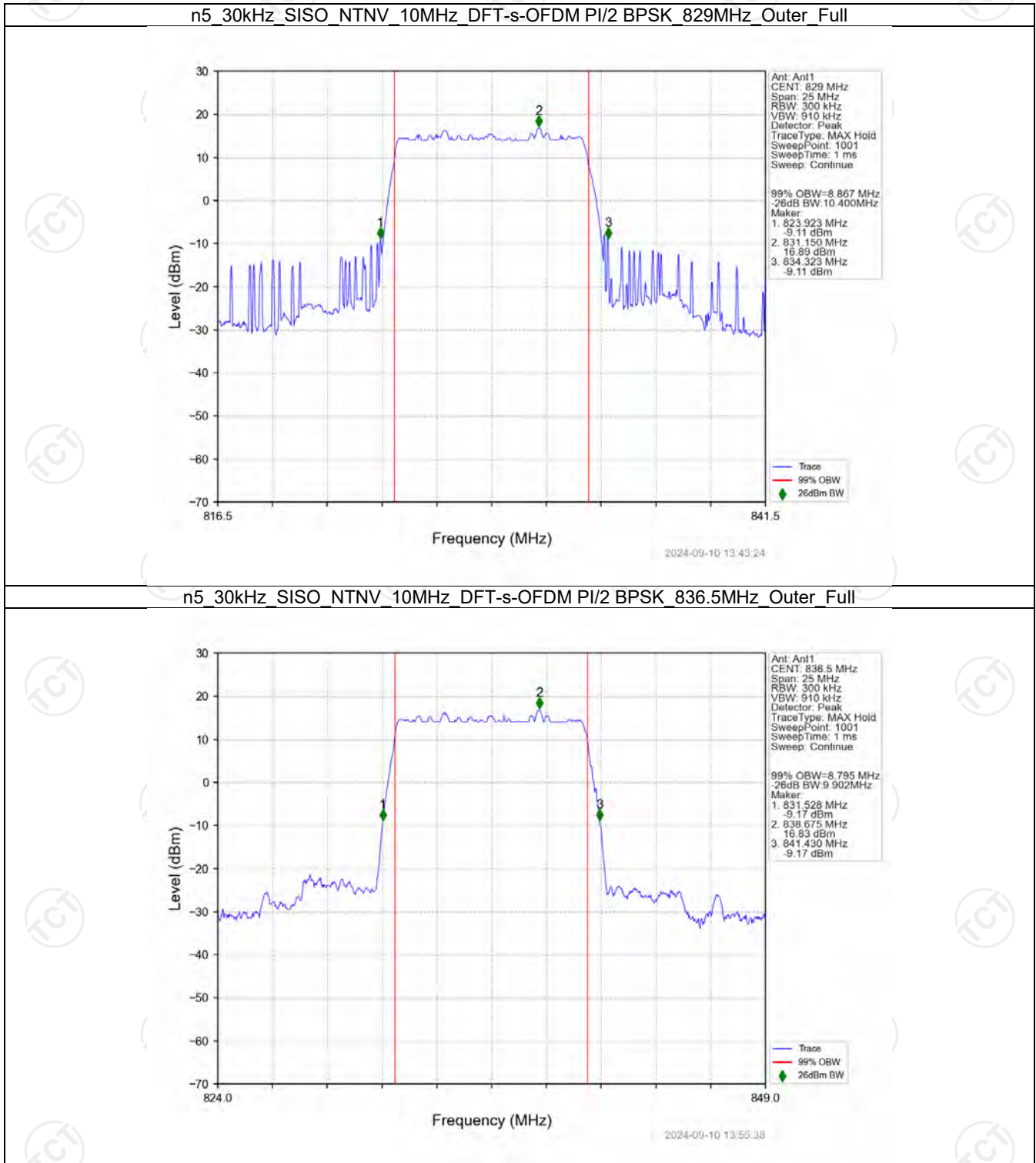
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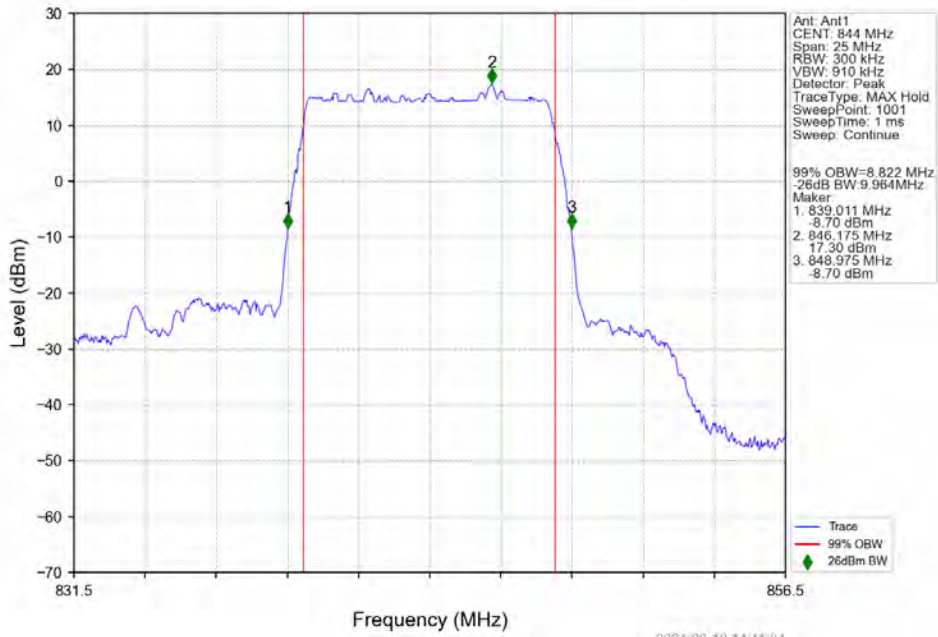
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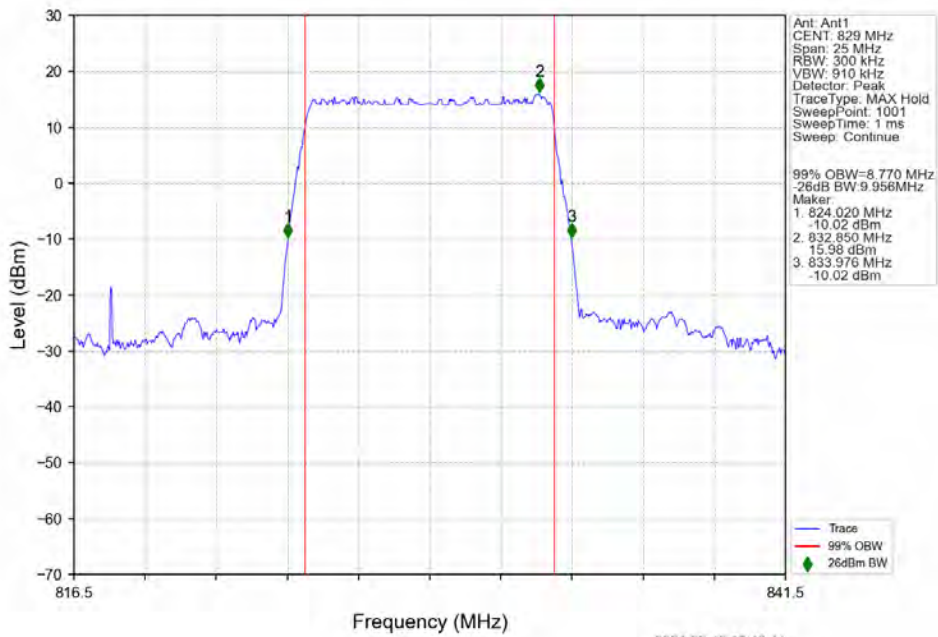
4.2.5 30k_SISO_10MHz_NTNV



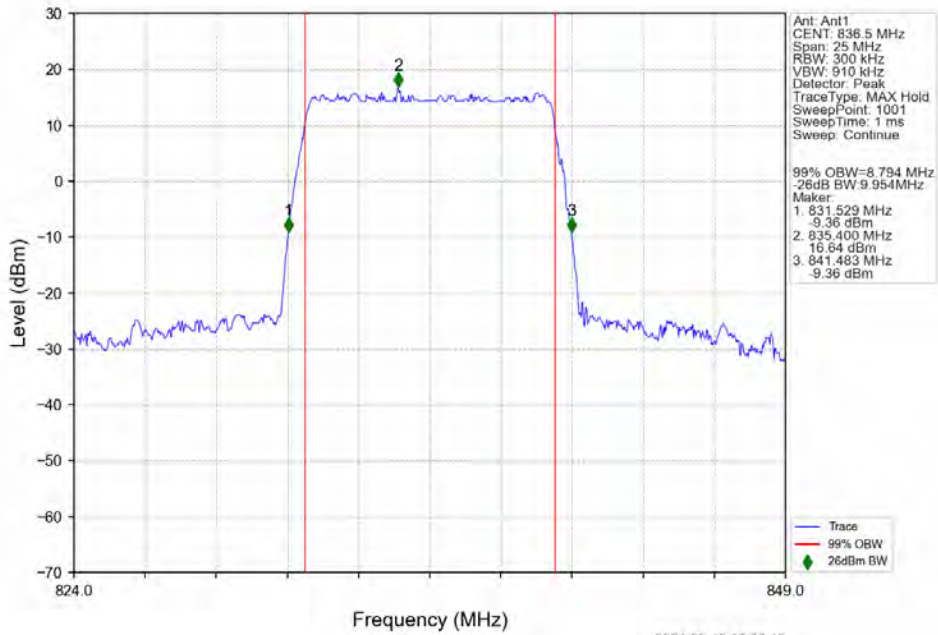
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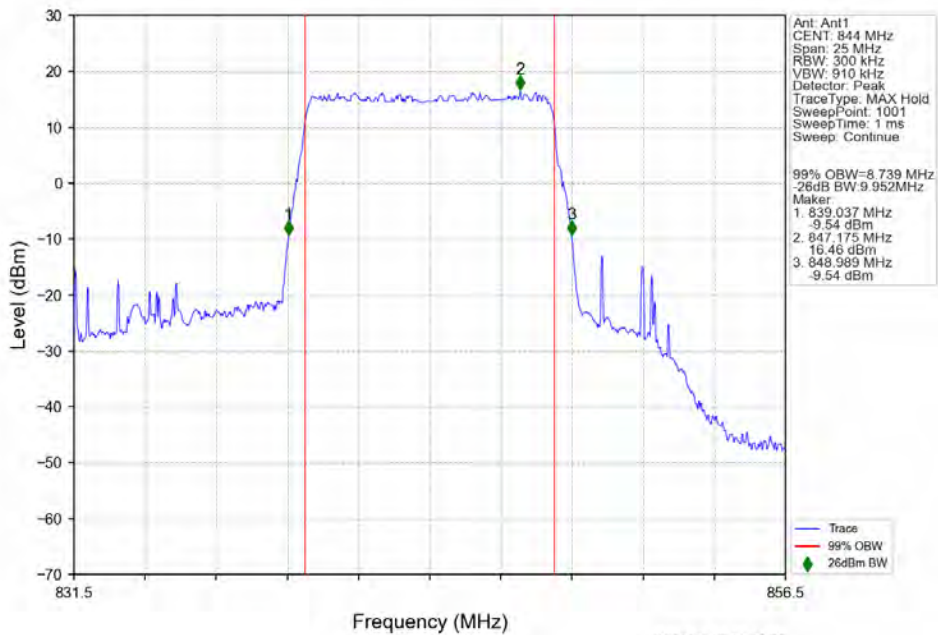
n5 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 829MHz Outer Full



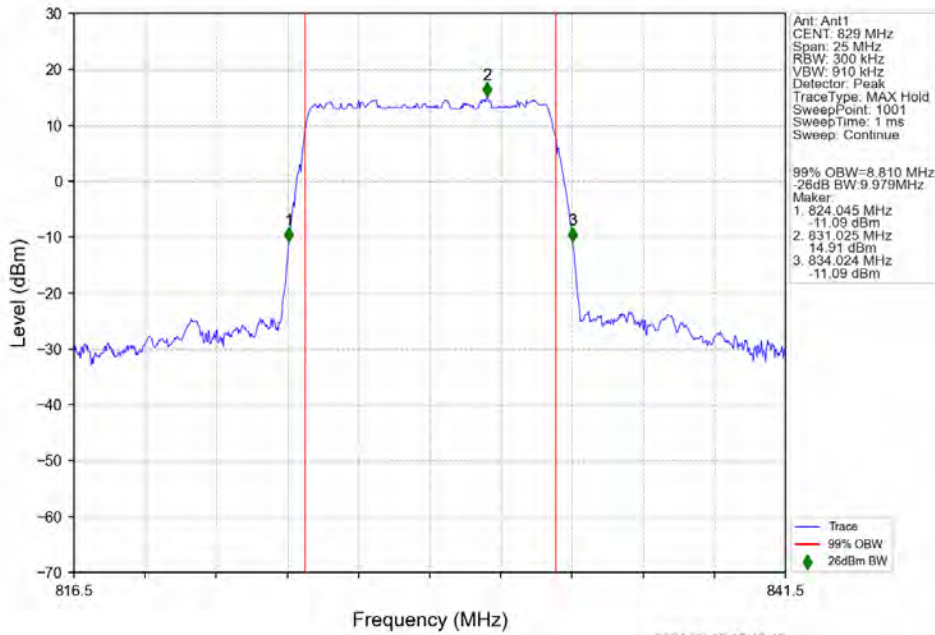
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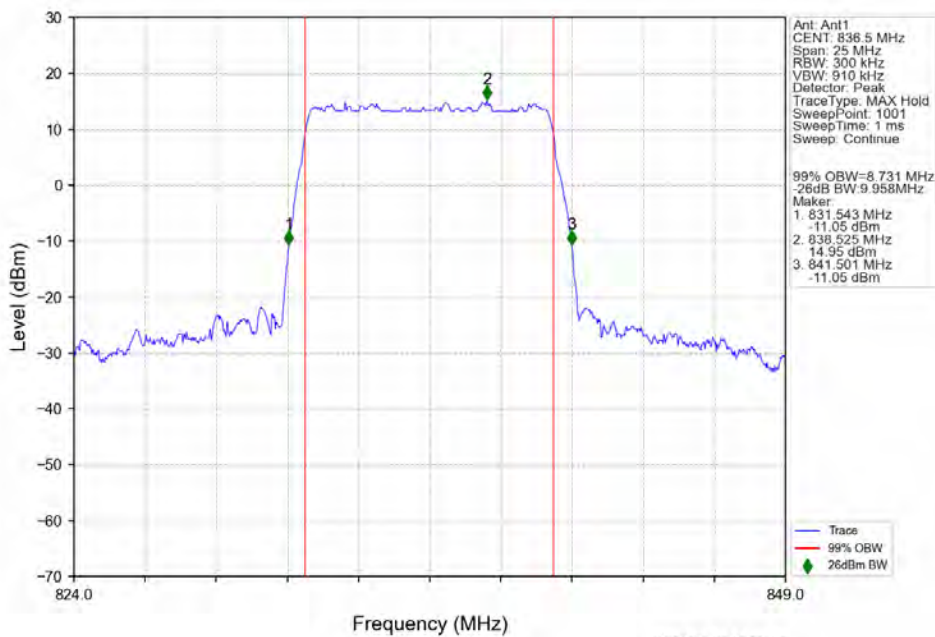
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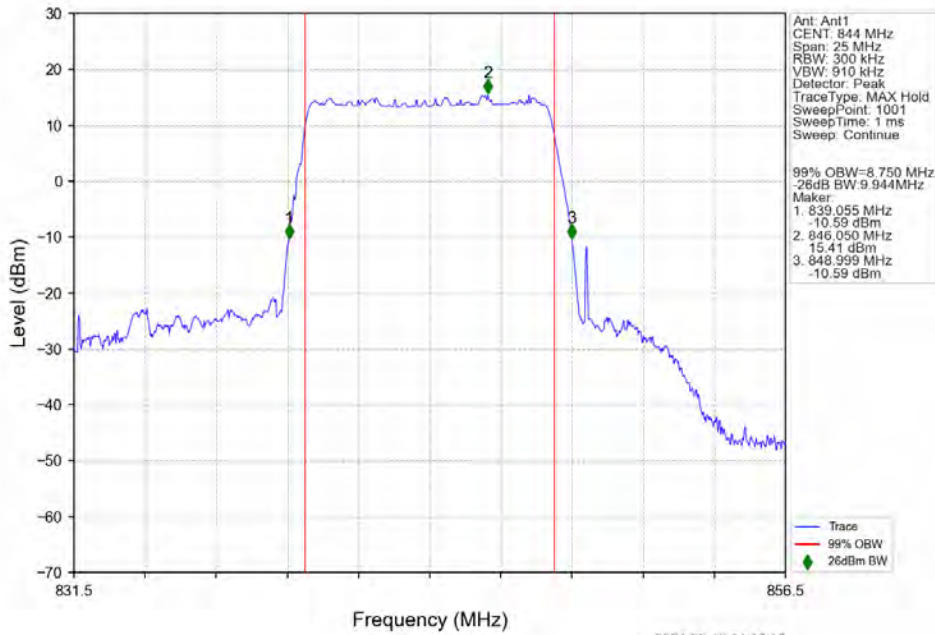
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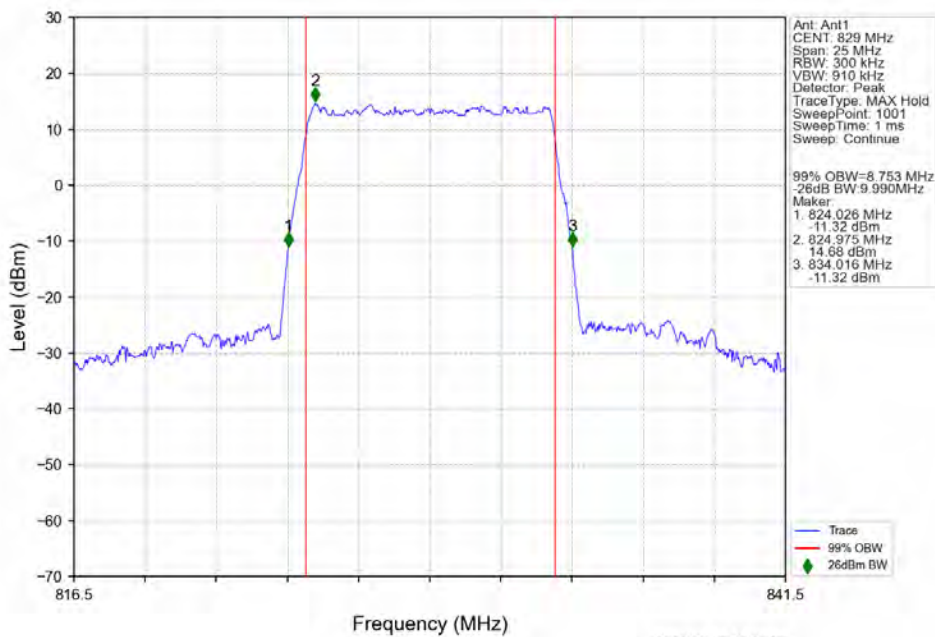
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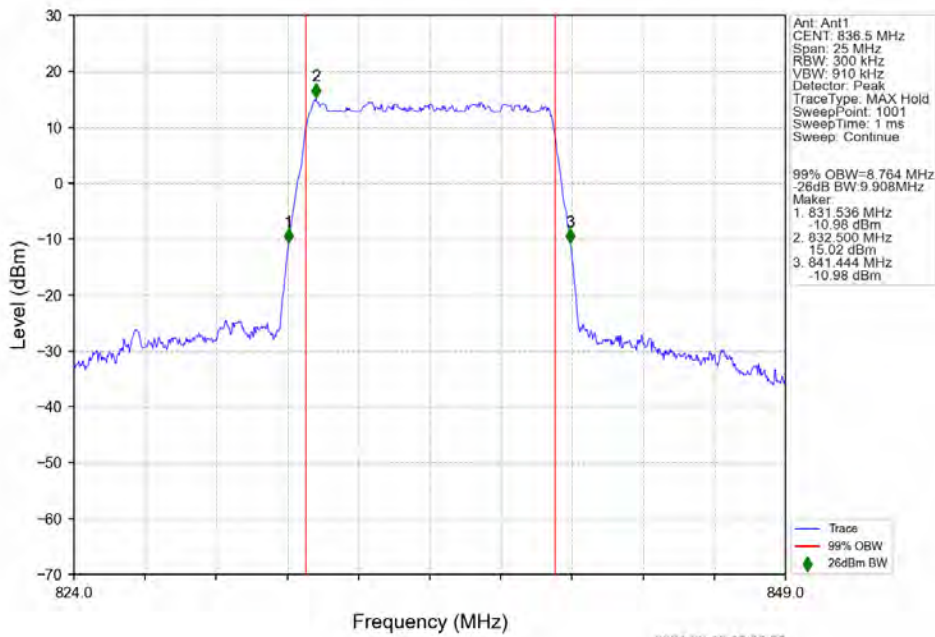
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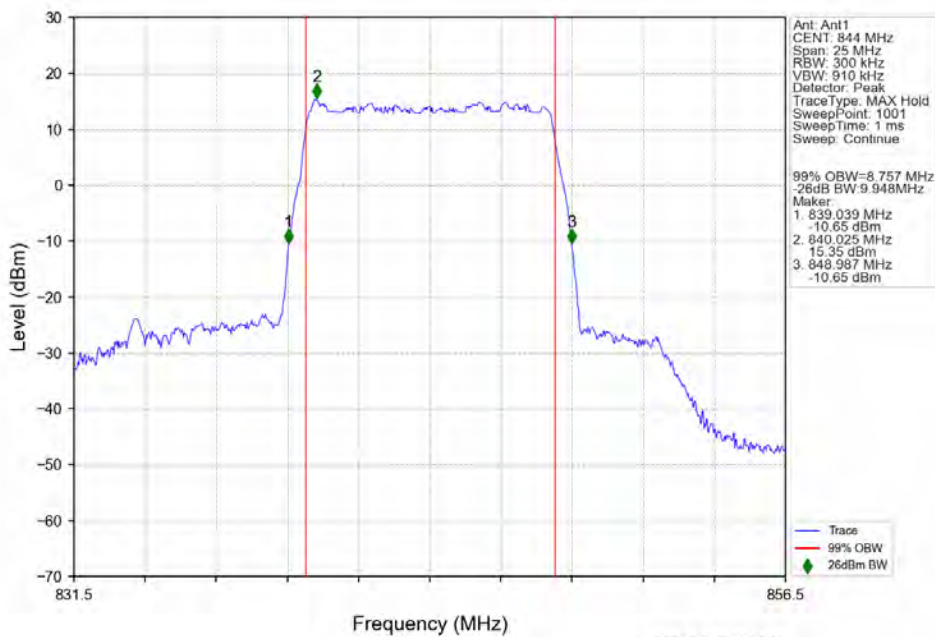
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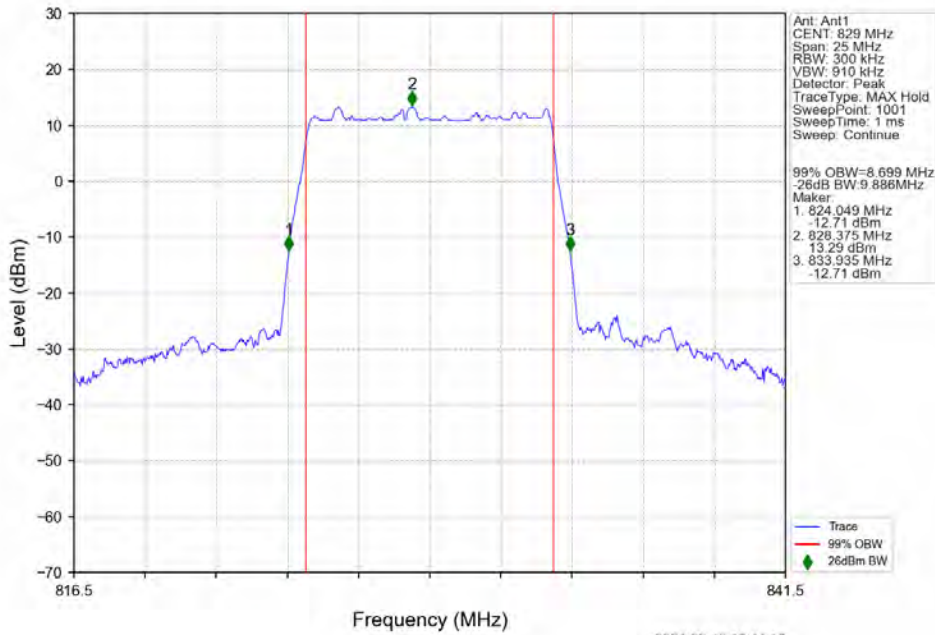
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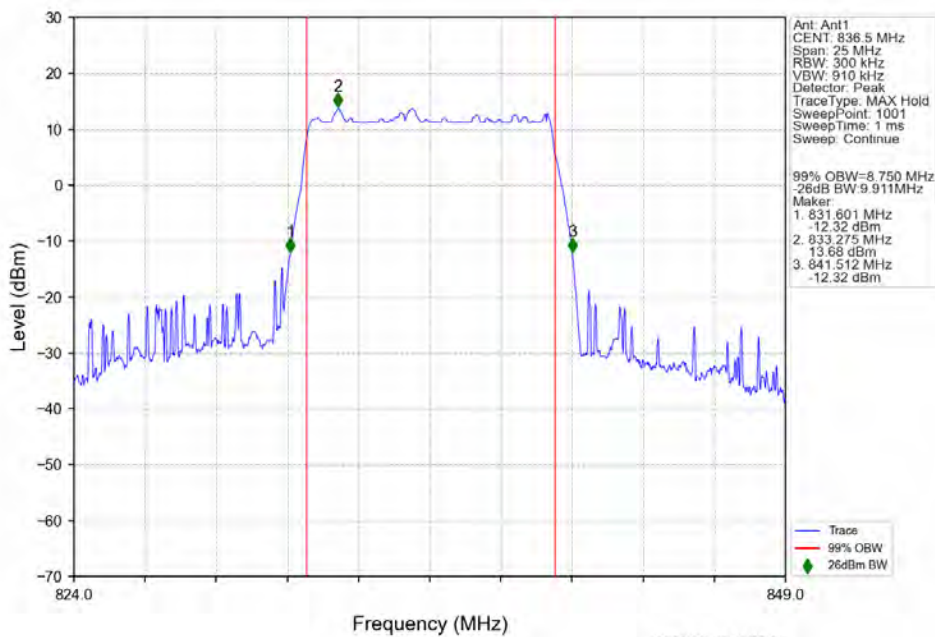
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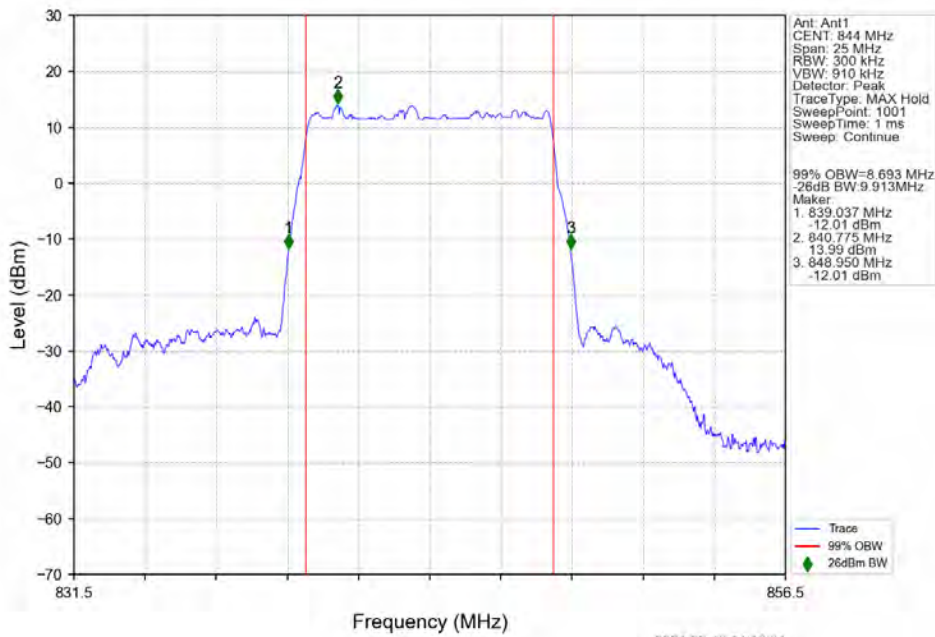
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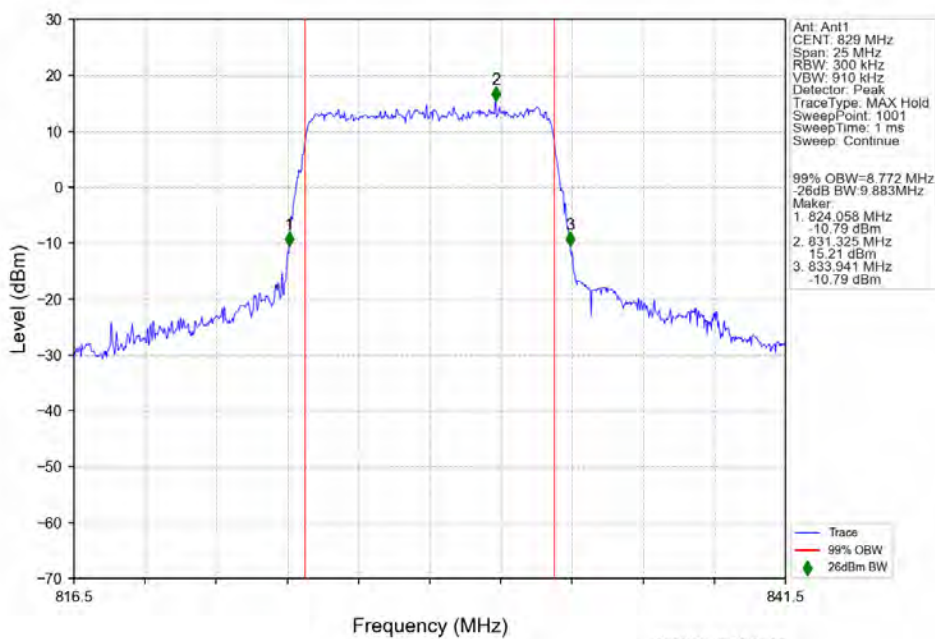
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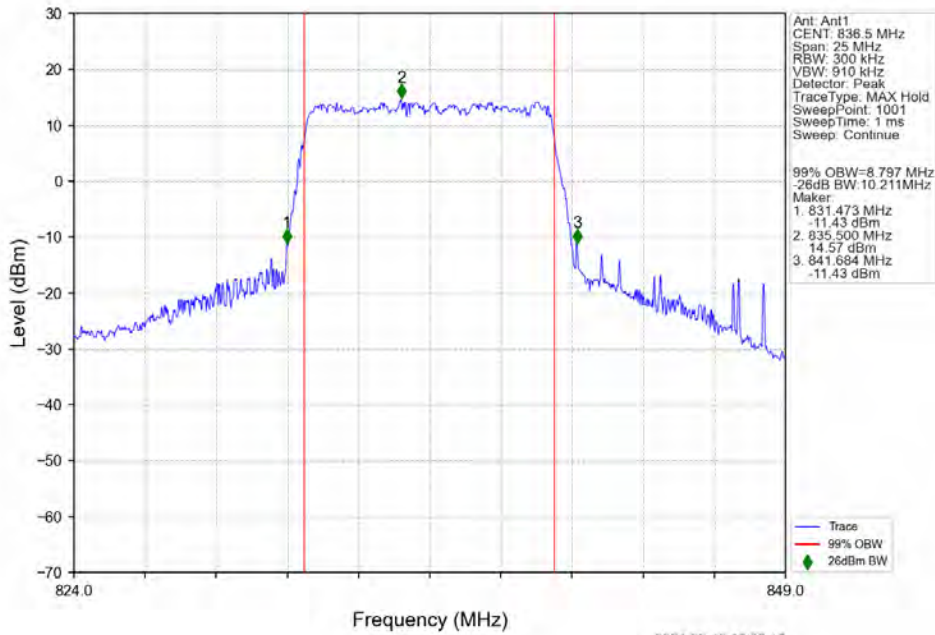
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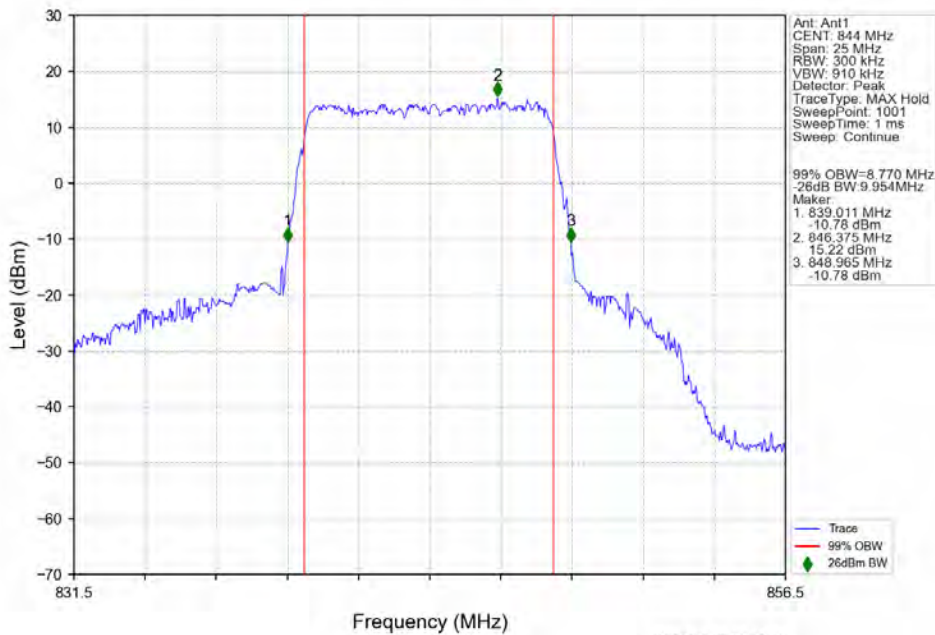
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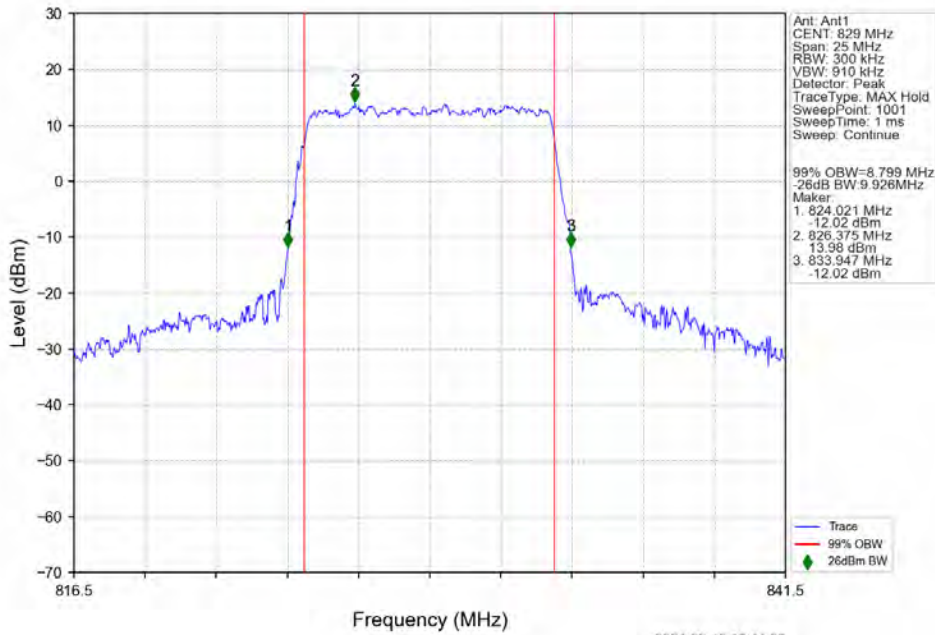
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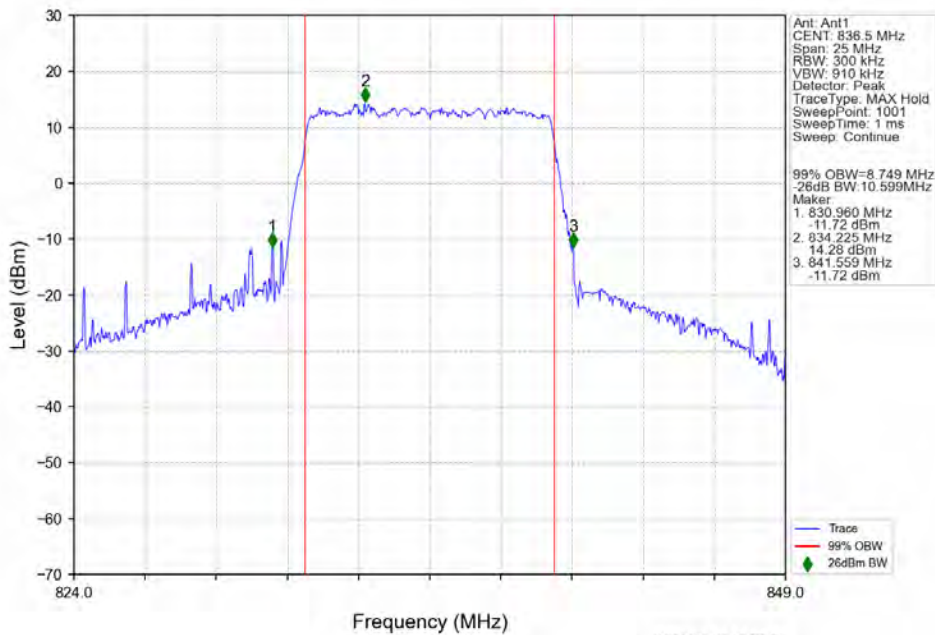
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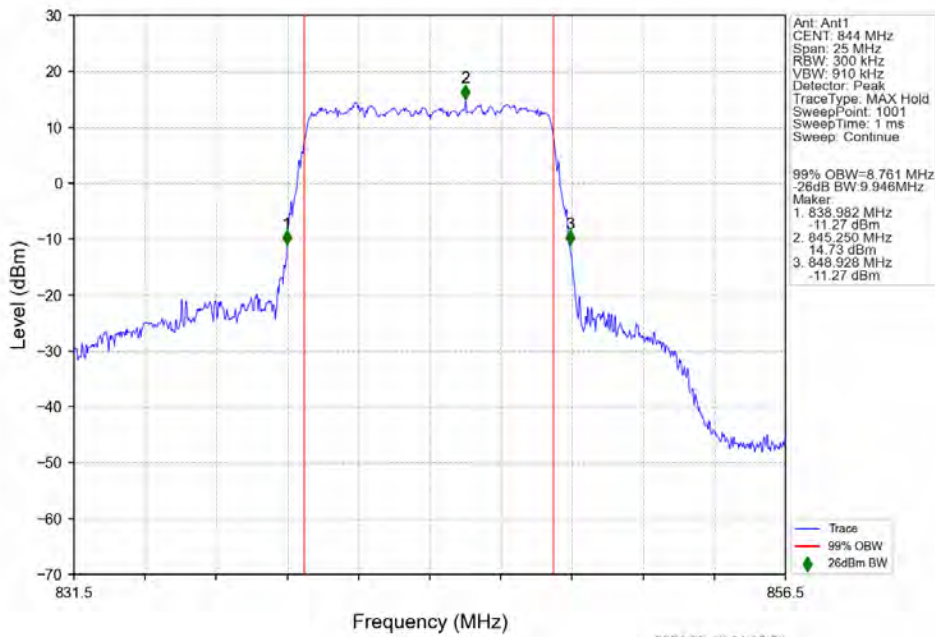
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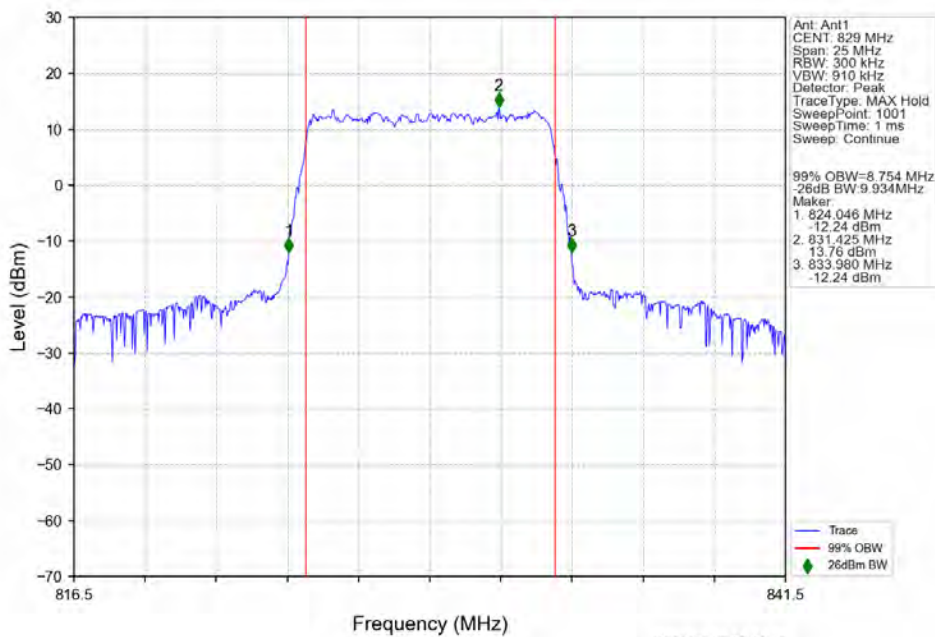
n5 30kHz SISO NTN 10MHz CP-OFDM 16 QAM 836.5MHz Outer Full



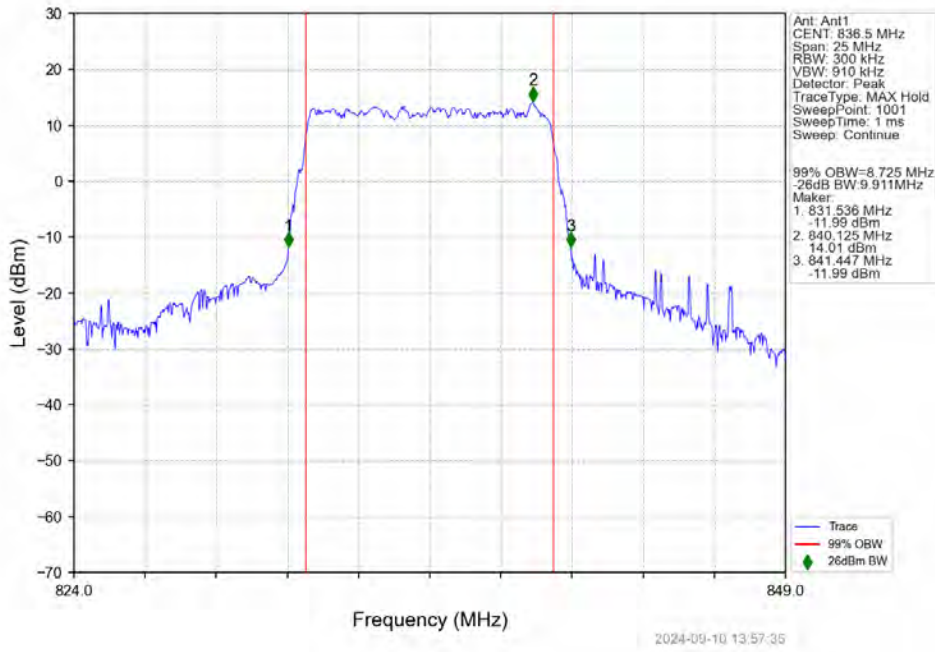
n5 30kHz SISO NTV 10MHz CP-OFDM 16 QAM 844MHz Outer Full



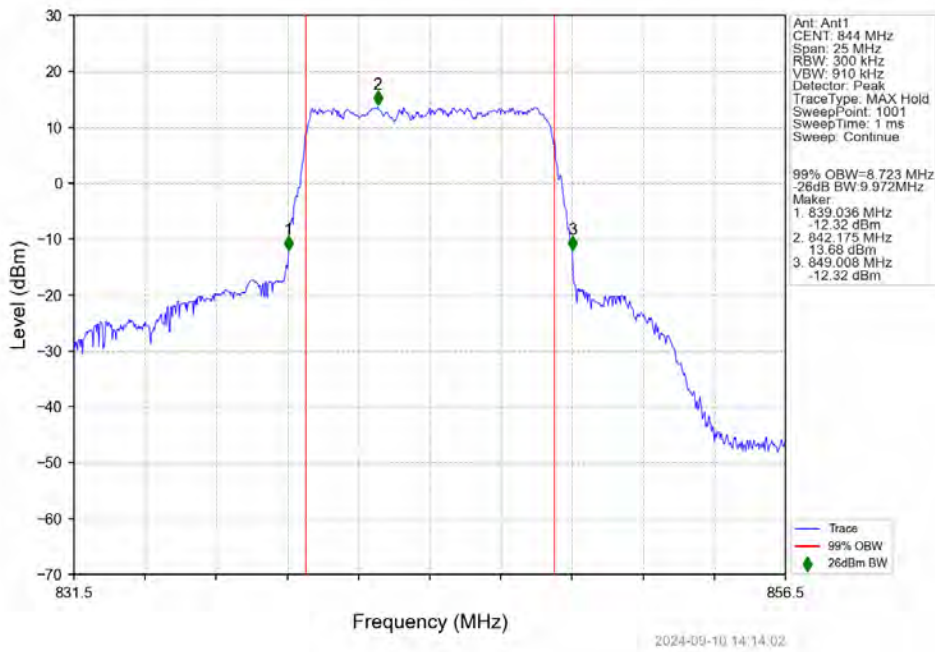
n5 30kHz SISO NTV 10MHz CP-OFDM 64 QAM 829MHz Outer Full



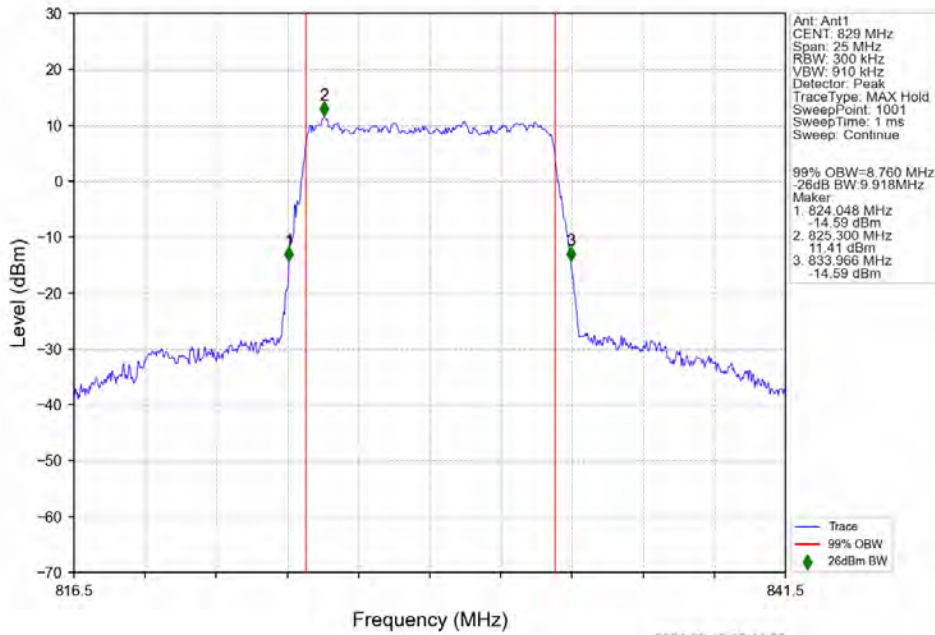
n5 30kHz SISO NTV 10MHz CP-OFDM 64 QAM 836.5MHz Outer Full



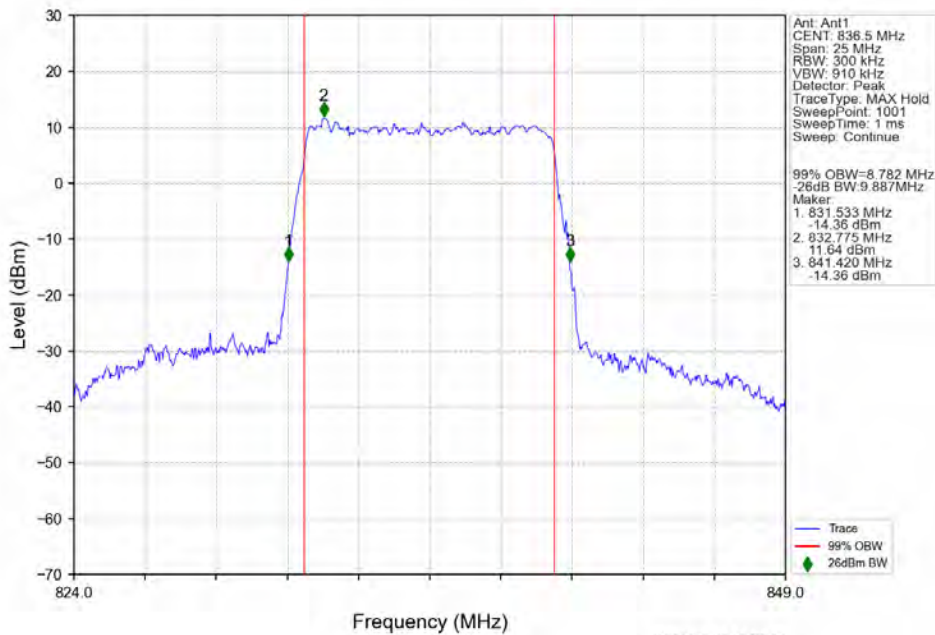
n5 30kHz SISO NTV 10MHz CP-OFDM 64 QAM 844MHz Outer Full



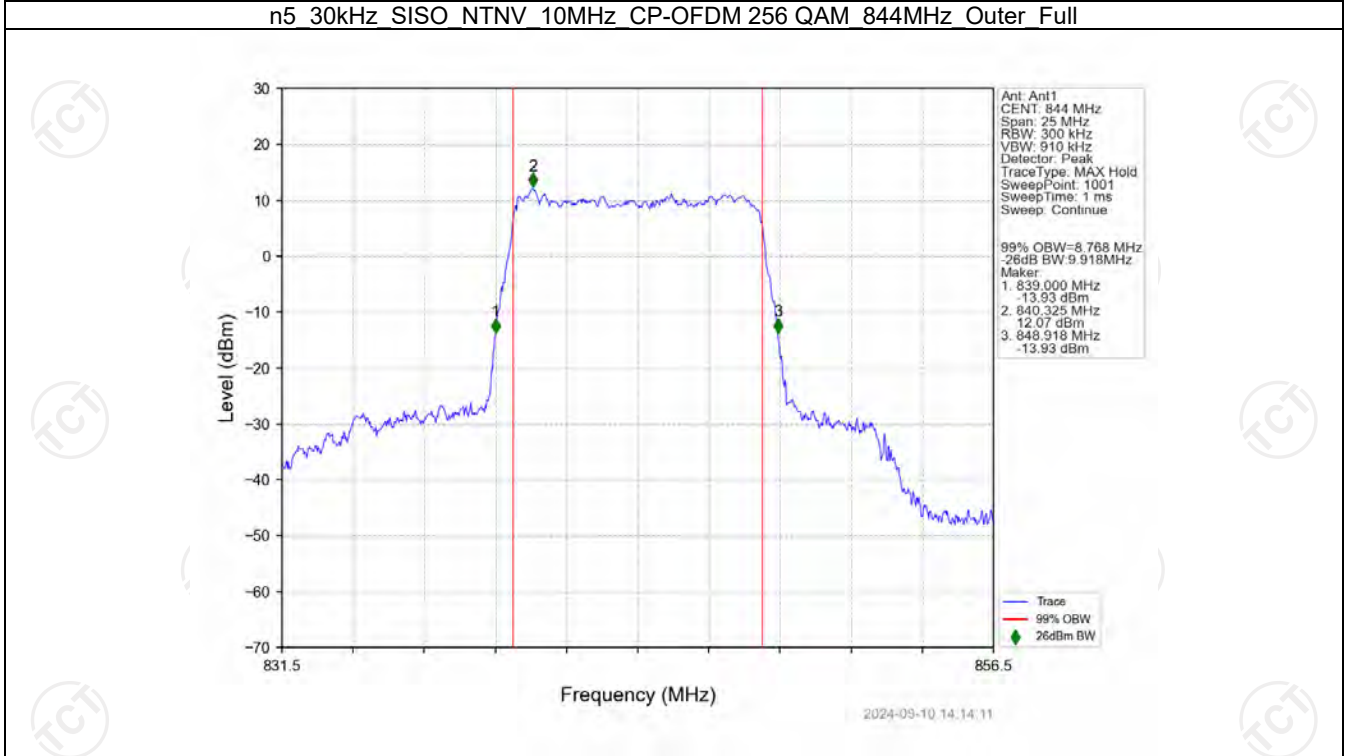
n5 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 829MHz Outer Full



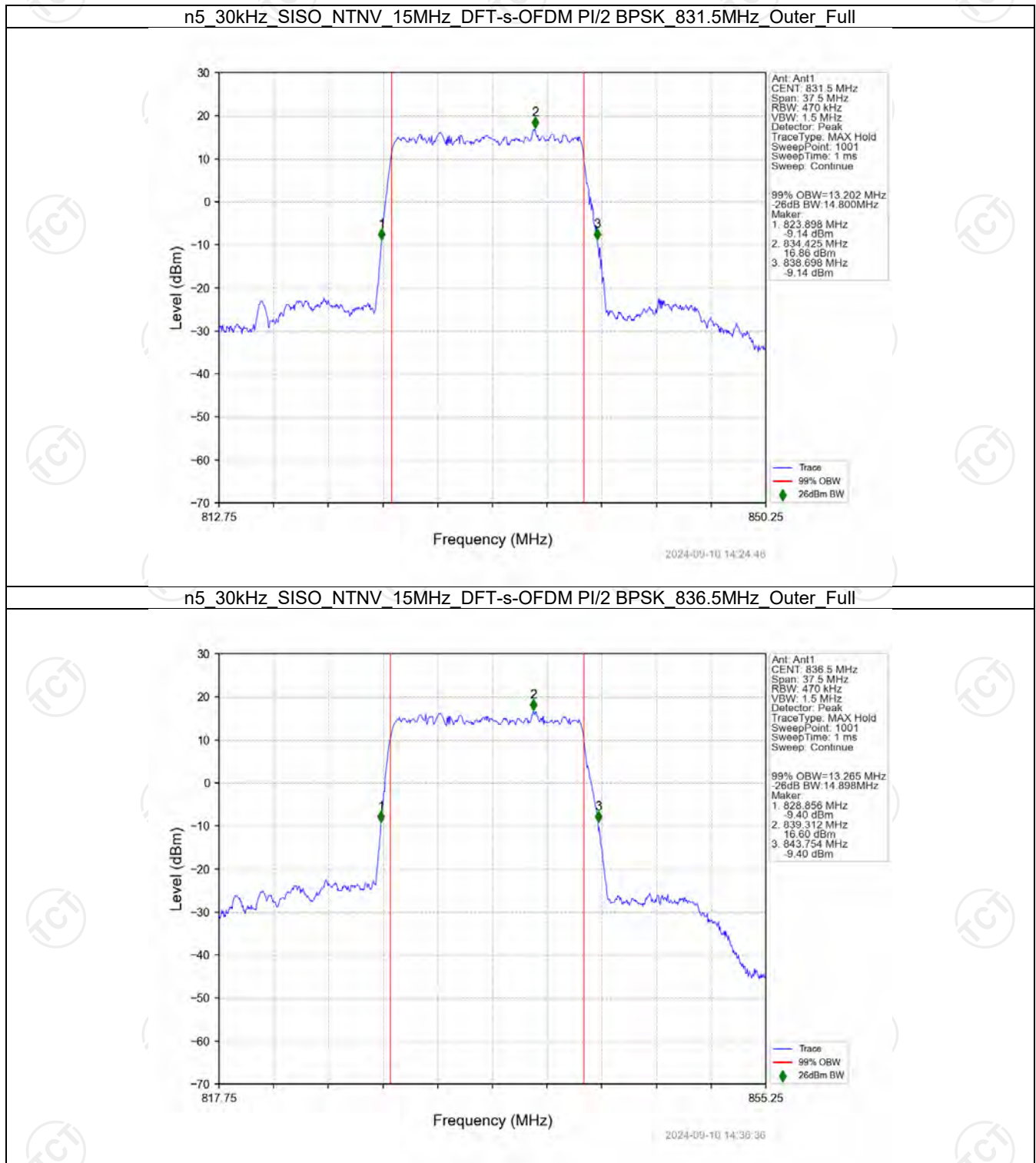
n5 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 836.5MHz Outer Full



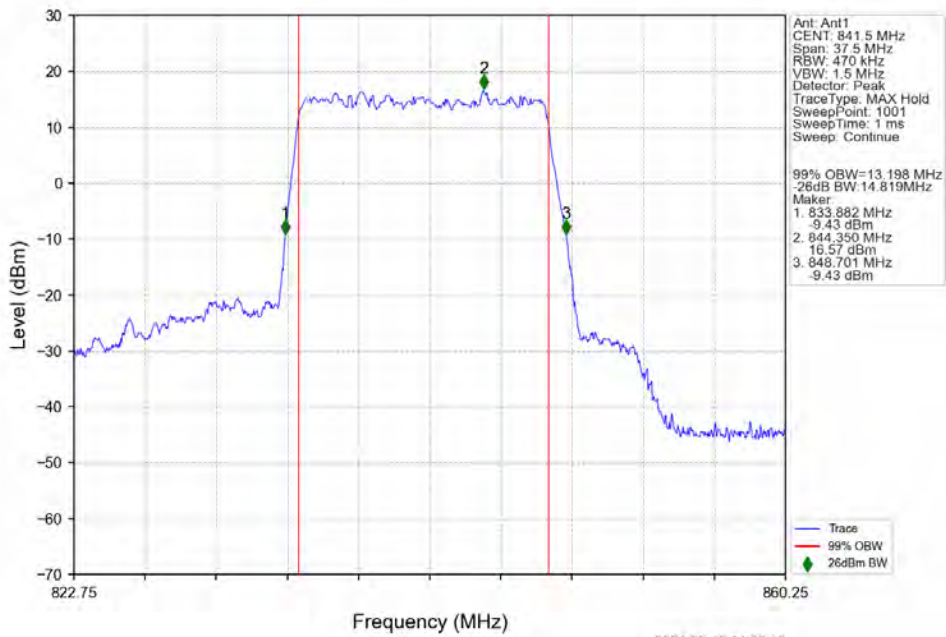
n5 30kHz SISO NTV 10MHz CP-OFDM 256 QAM 844MHz Outer Full



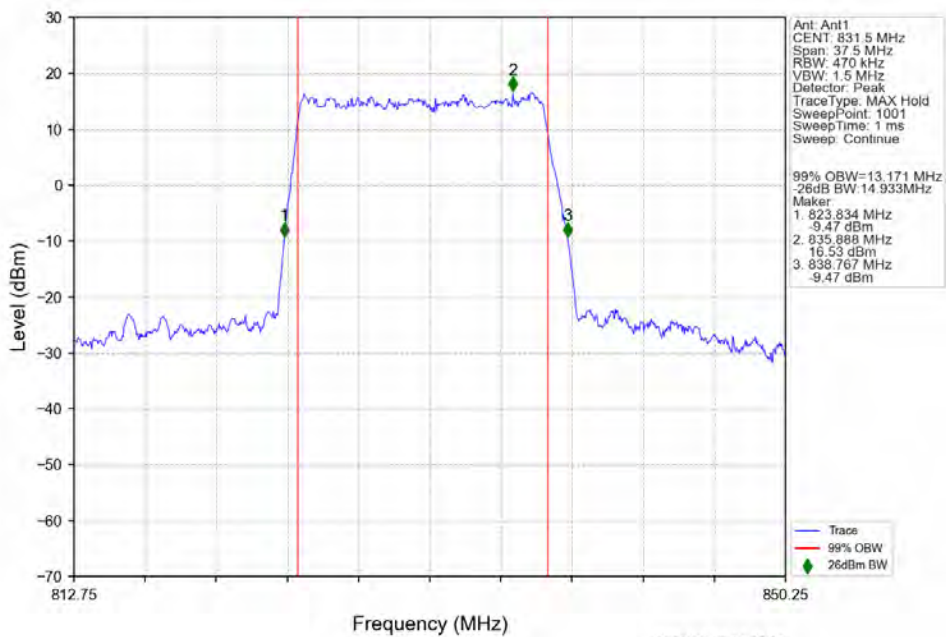
4.2.6 30k_SISO_15MHz_NTNV



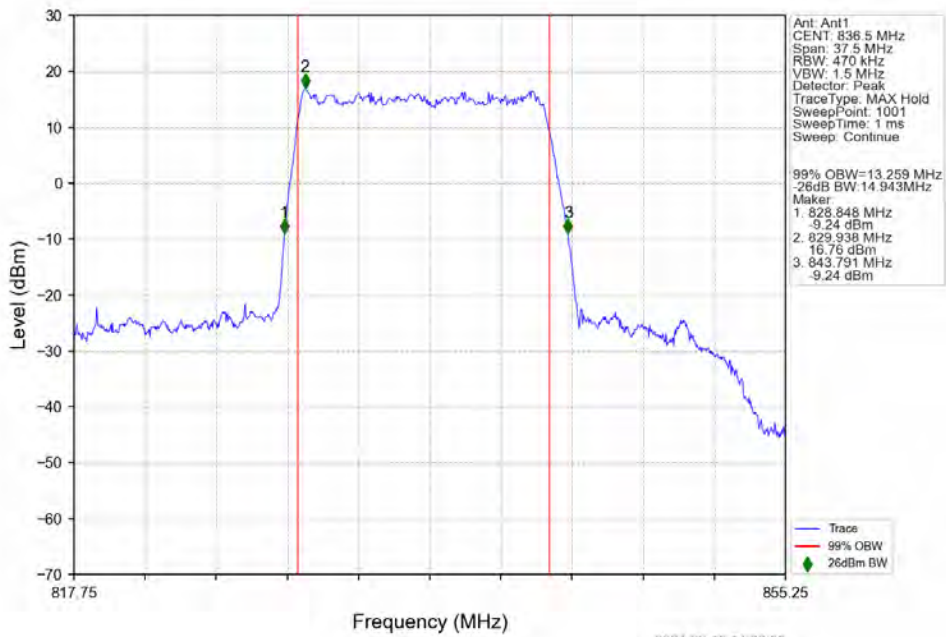
n5 30kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 841.5MHz Outer Full



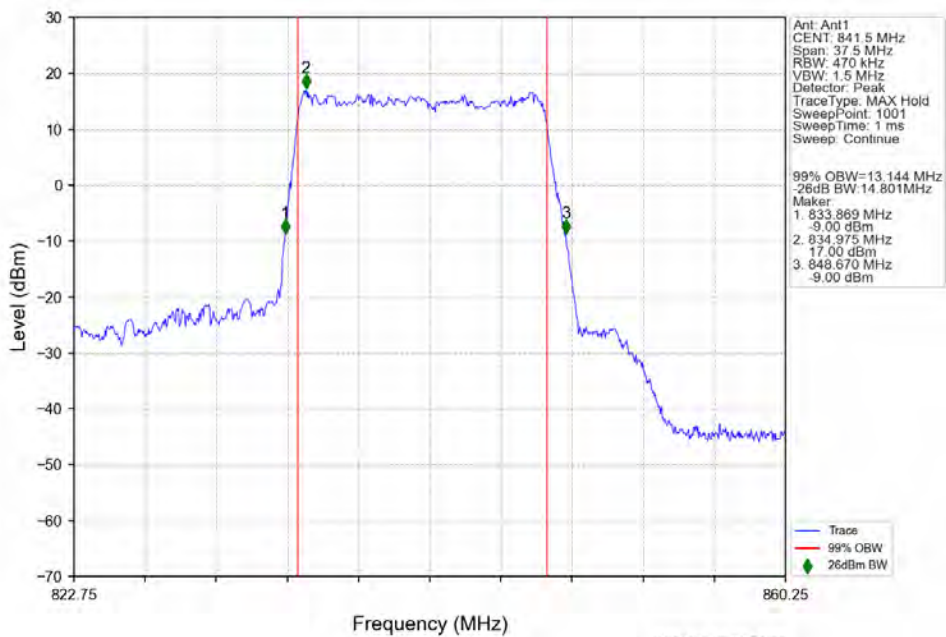
n5 30kHz SISO NTN 15MHz DFT-s-OFDM QPSK 831.5MHz Outer Full



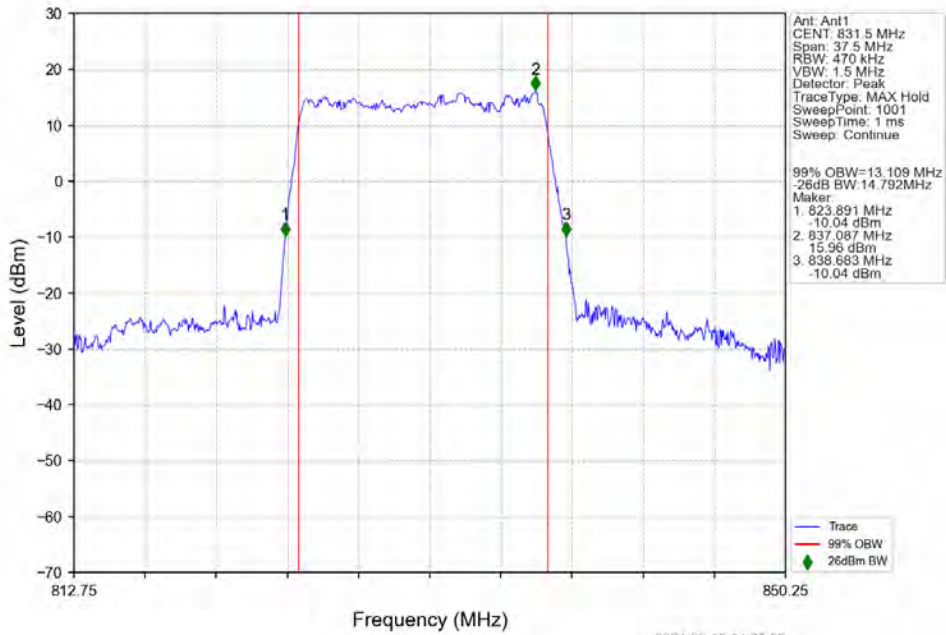
n5 30kHz SISO NTN 15MHz DFT-s-OFDM QPSK 836.5MHz Outer Full



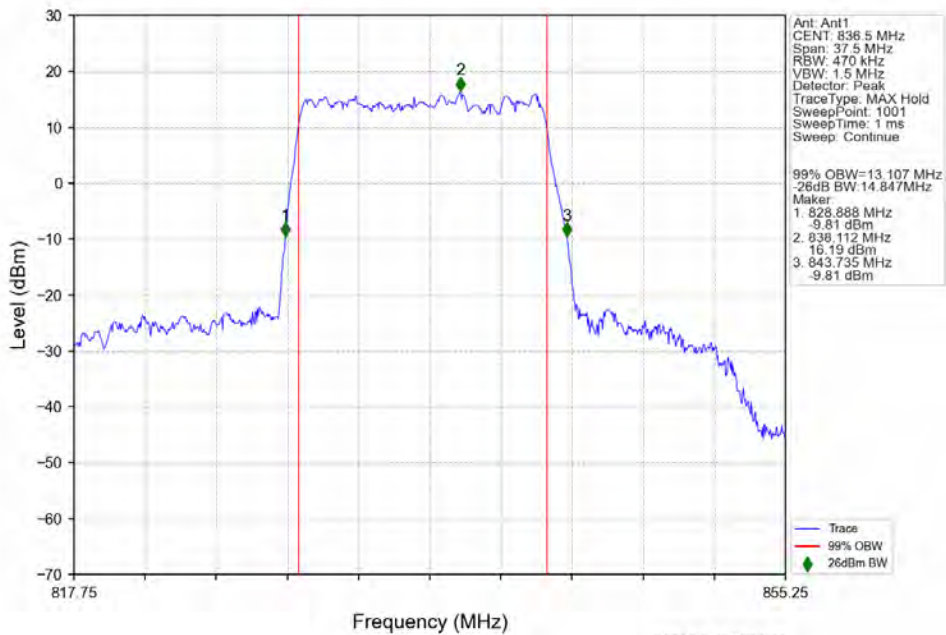
n5 30kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Outer Full



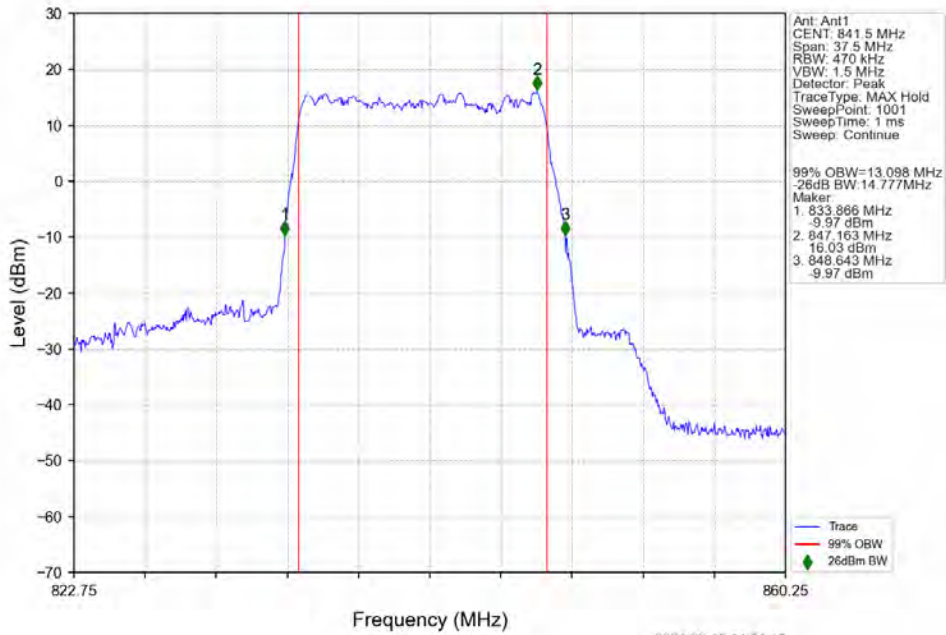
n5 30kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 831.5MHz Outer Full



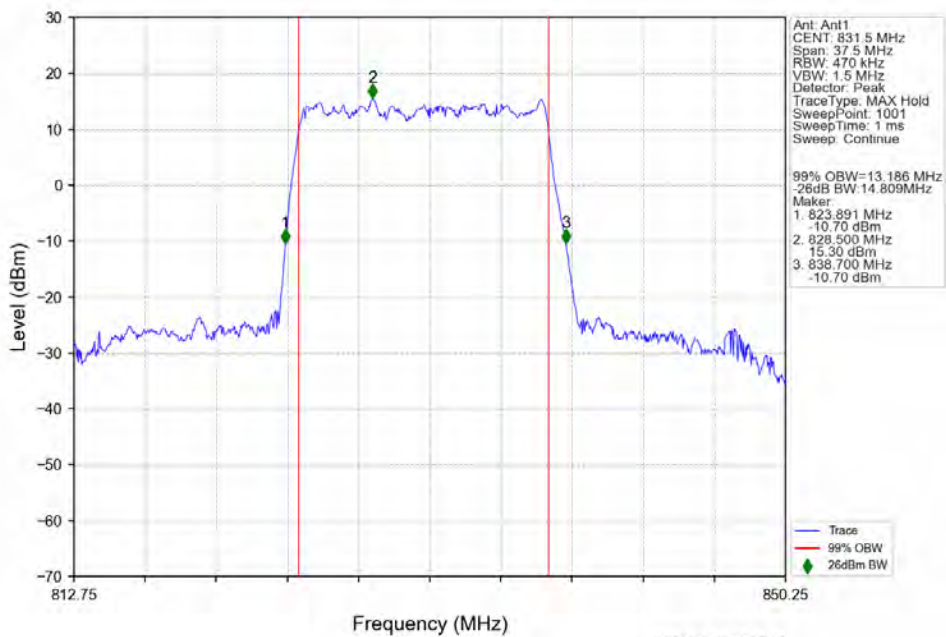
n5 30kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full



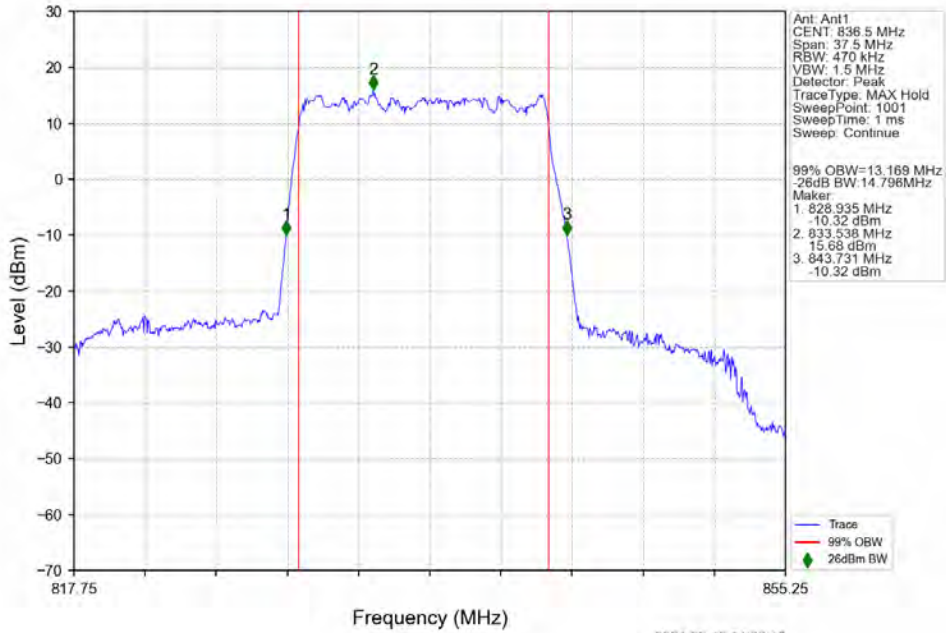
n5 30kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 841.5MHz Outer Full



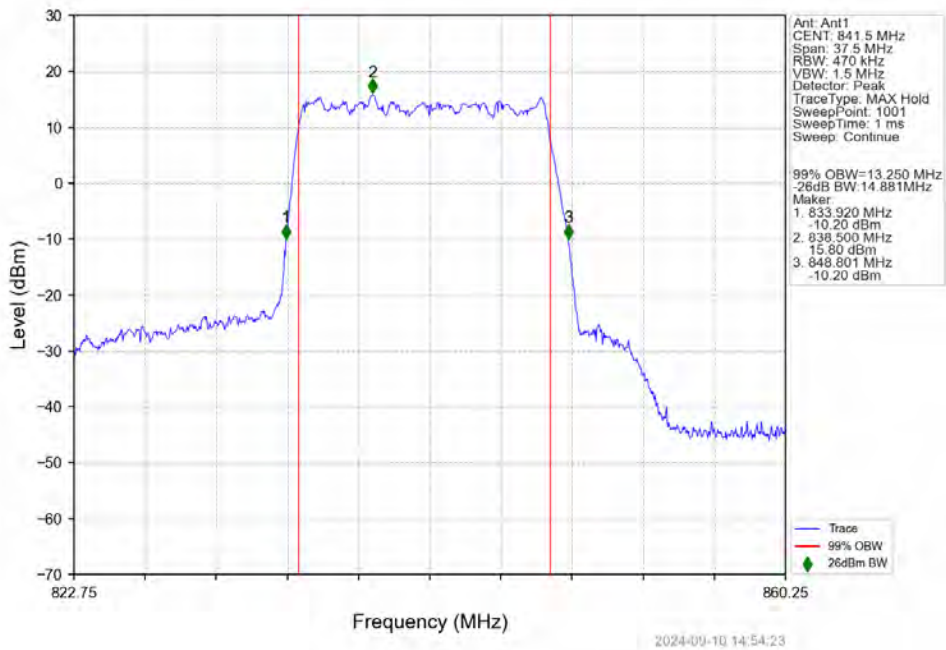
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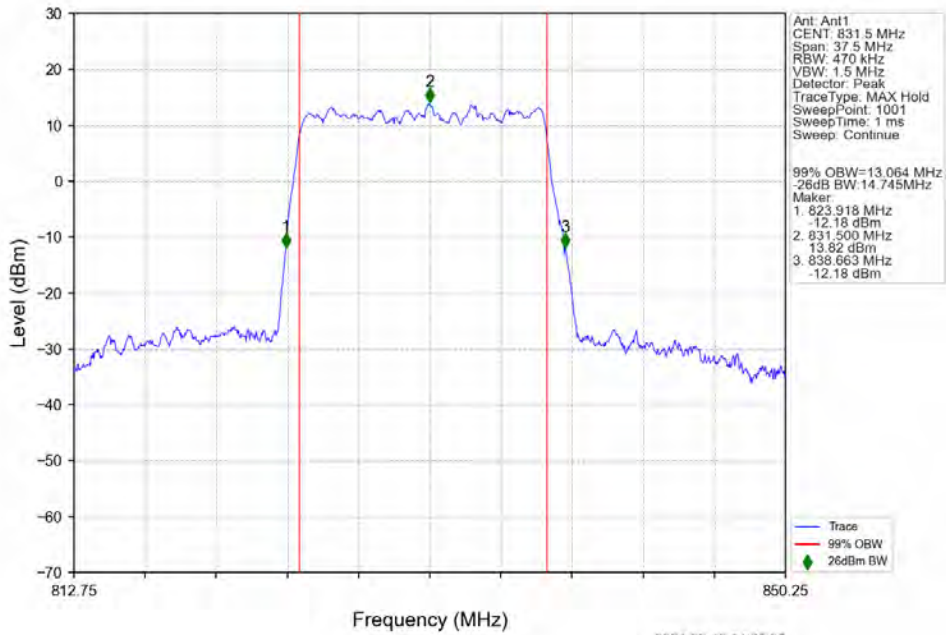
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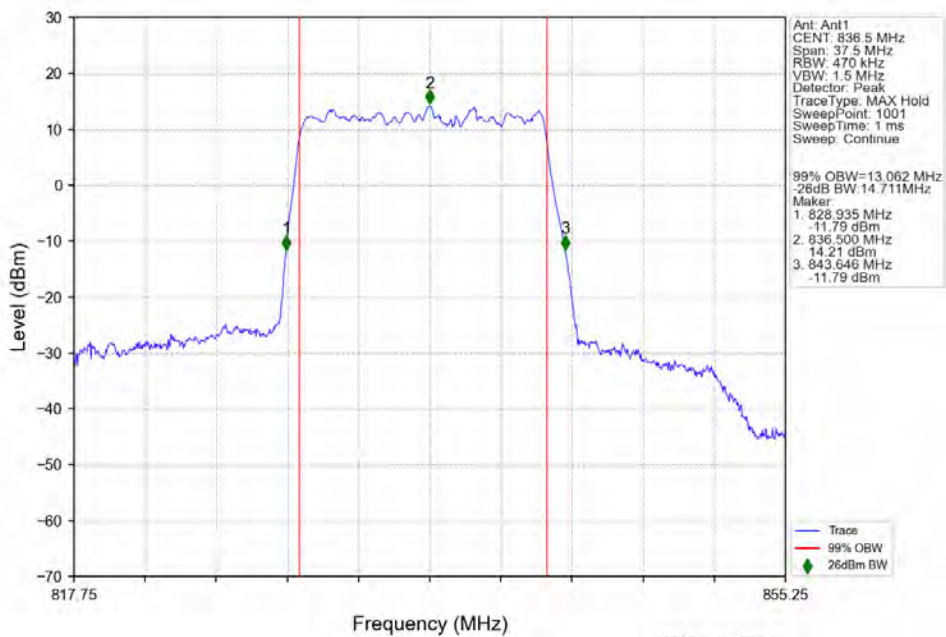
n5 30kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 841.5MHz Outer Full



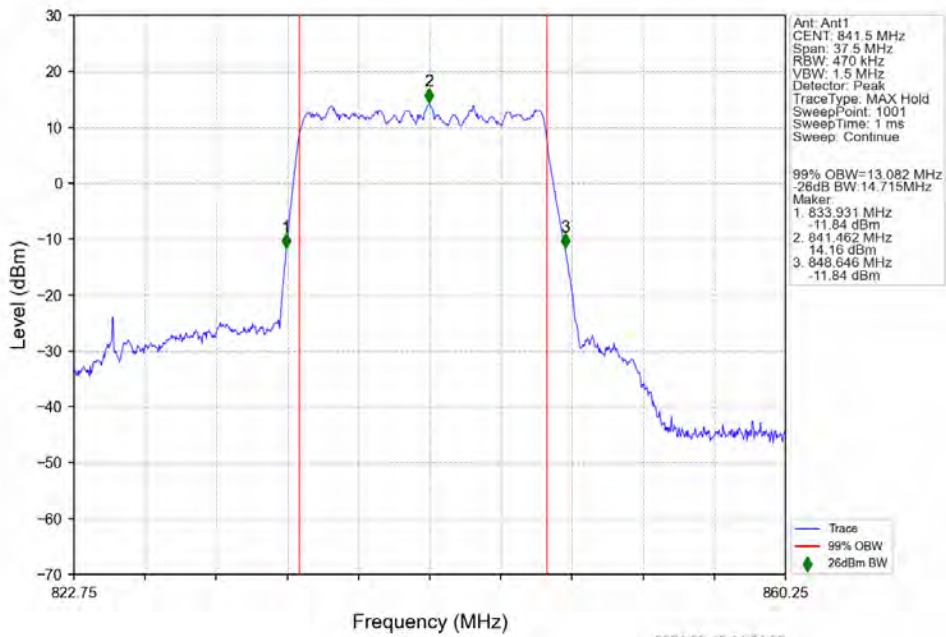
n5 30kHz SISO NTV 15MHz DFT-s-OFDM 256 QAM 831.5MHz Outer Full



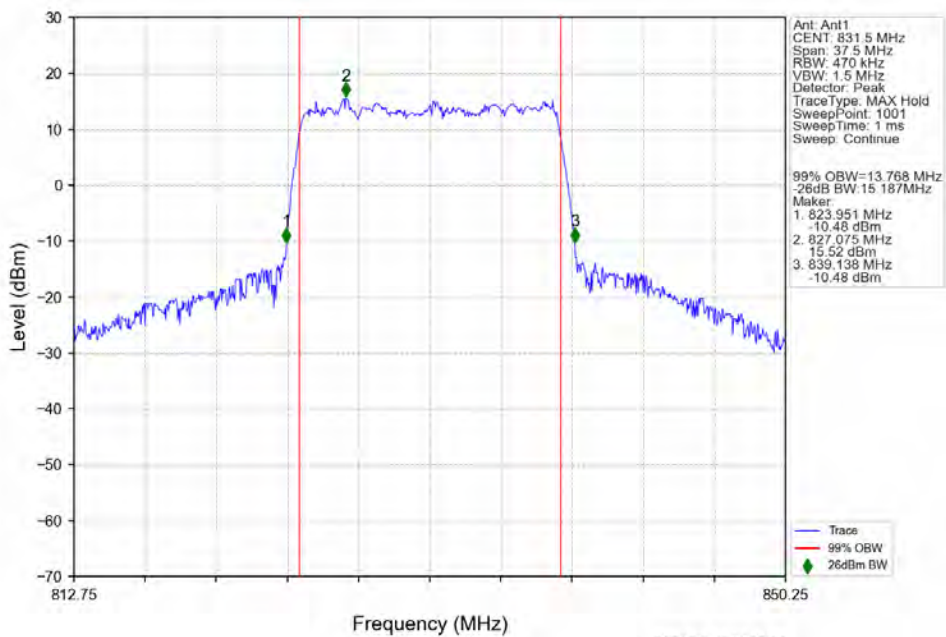
n5 30kHz SISO NTV 15MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full



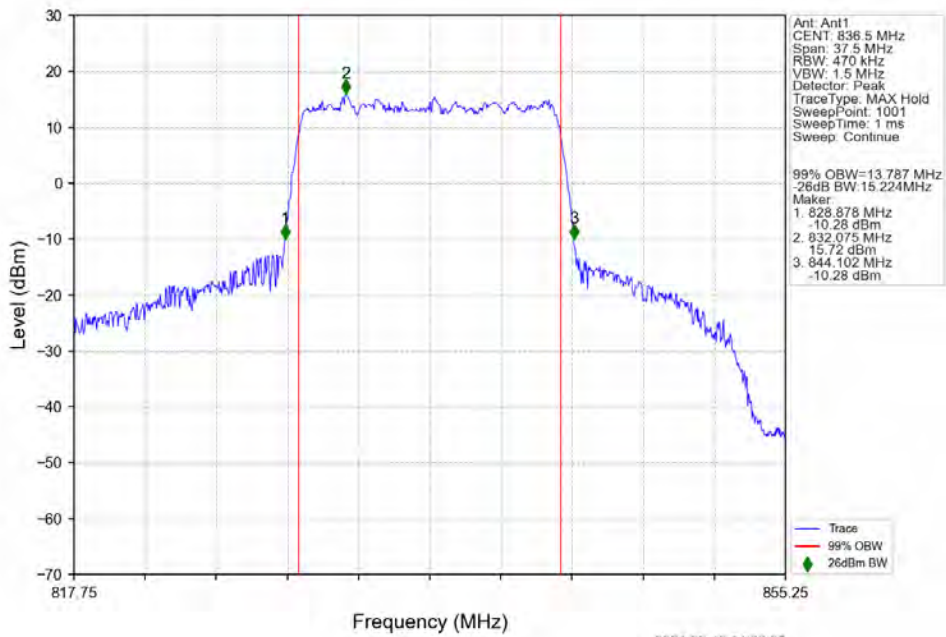
n5 30kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 841.5MHz Outer Full



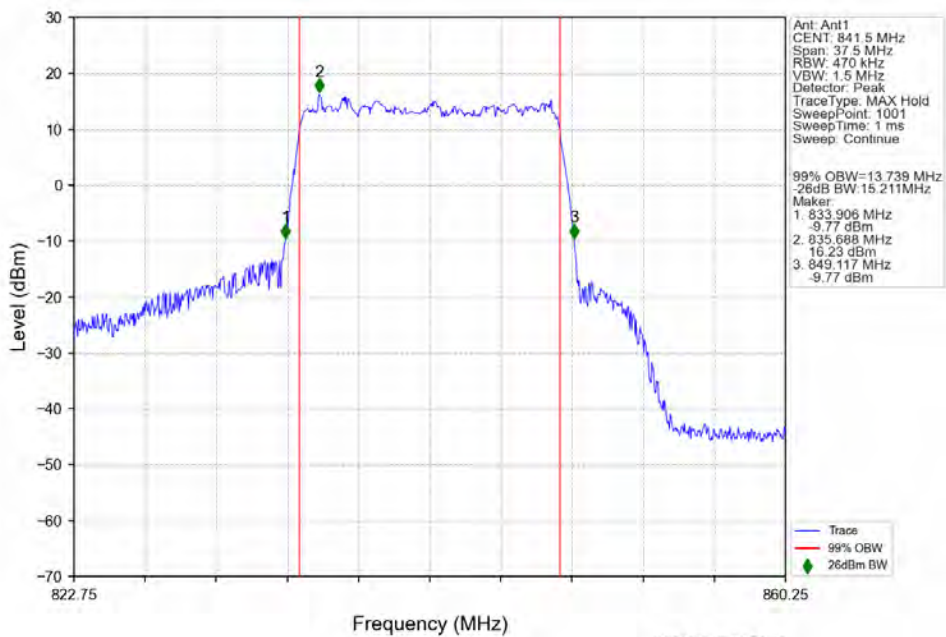
n5 30kHz SISO NTN 15MHz CP-OFDM QPSK 831.5MHz Outer Full



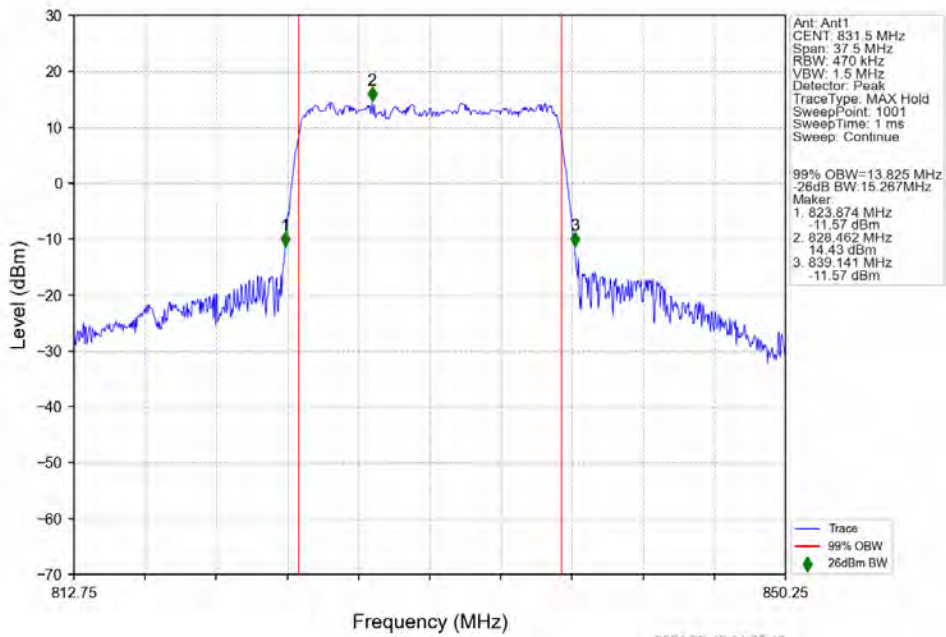
n5 30kHz SISO NTV 15MHz CP-OFDM QPSK 836.5MHz Outer Full



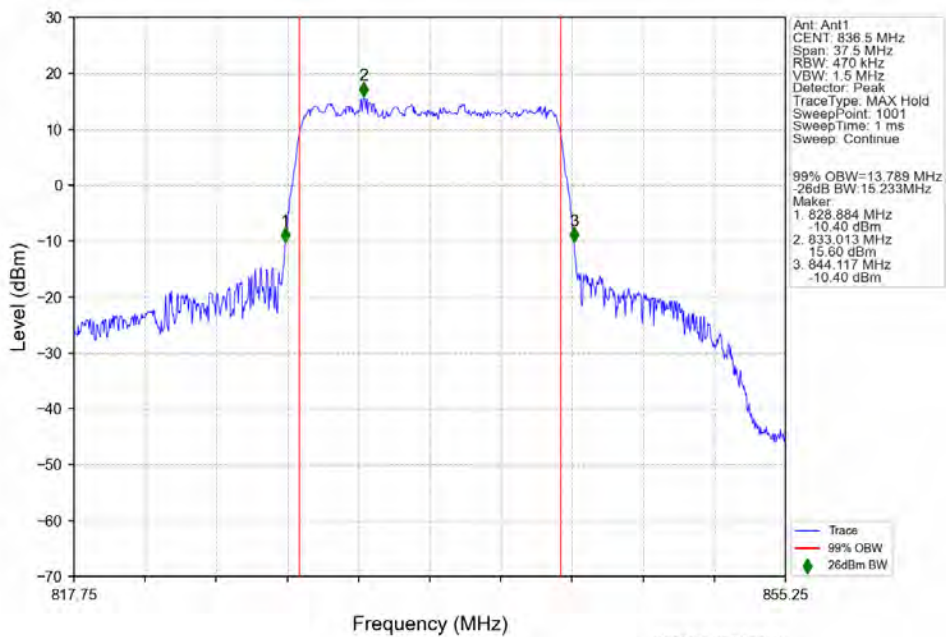
n5 30kHz SISO NTV 15MHz CP-OFDM QPSK 841.5MHz Outer Full



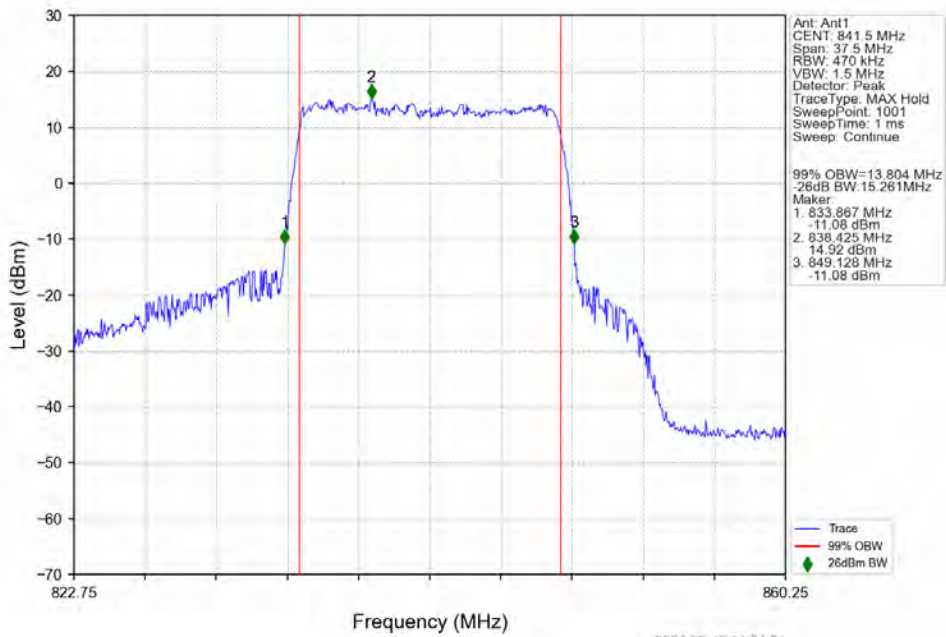
n5 30kHz SISO NTV 15MHz CP-OFDM 16 QAM 831.5MHz Outer Full



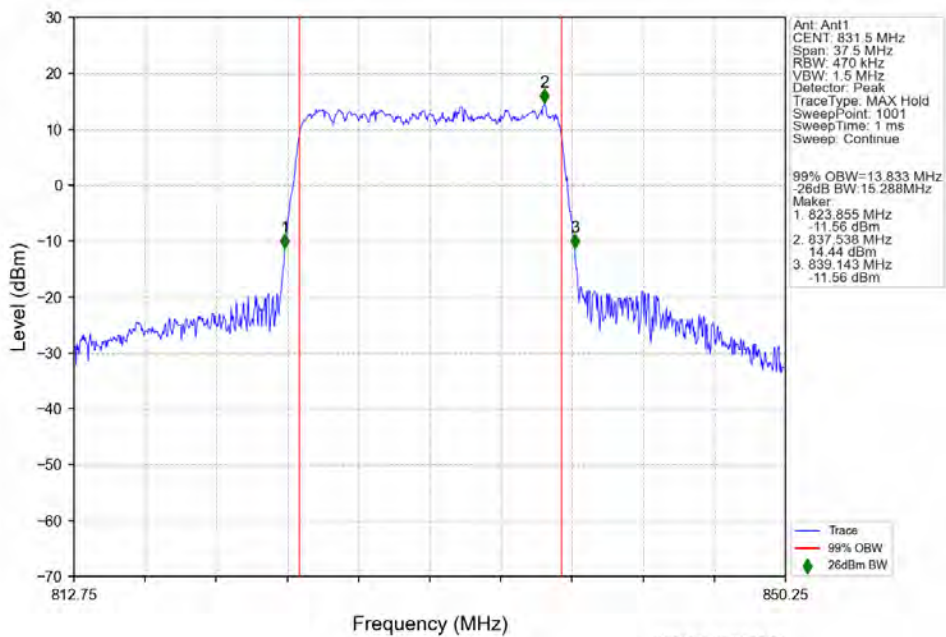
n5 30kHz SISO NTV 15MHz CP-OFDM 16 QAM 836.5MHz Outer Full



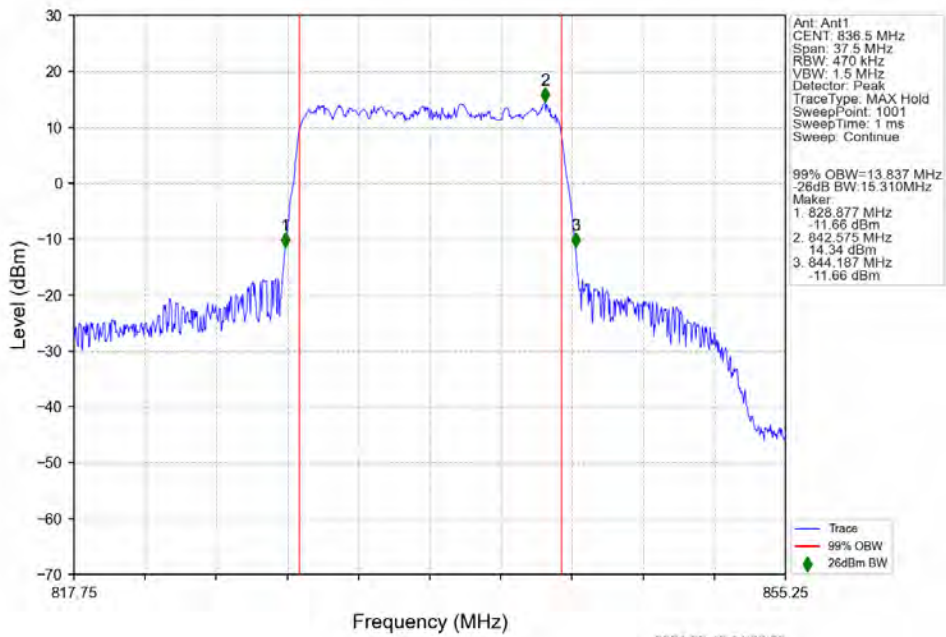
n5 30kHz SISO NTV 15MHz CP-OFDM 16 QAM 841.5MHz Outer Full



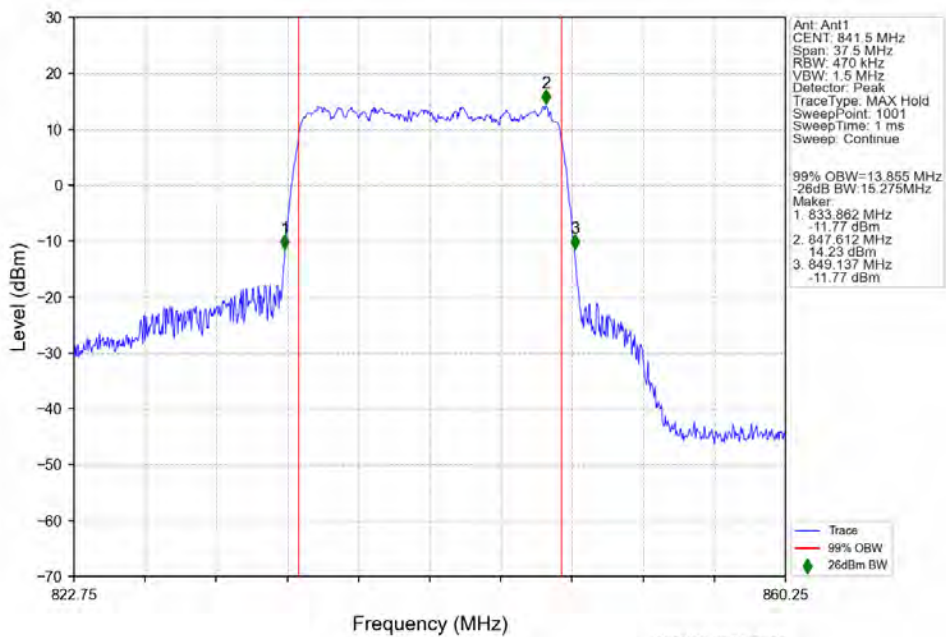
n5 30kHz SISO NTV 15MHz CP-OFDM 64 QAM 831.5MHz Outer Full



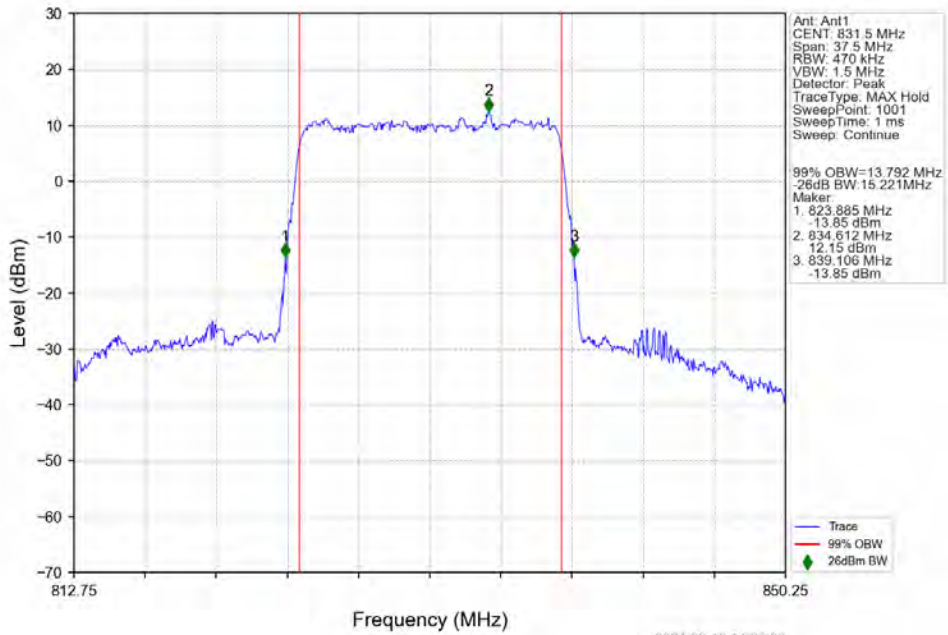
n5 30kHz SISO NTV 15MHz CP-OFDM 64 QAM 836.5MHz Outer Full



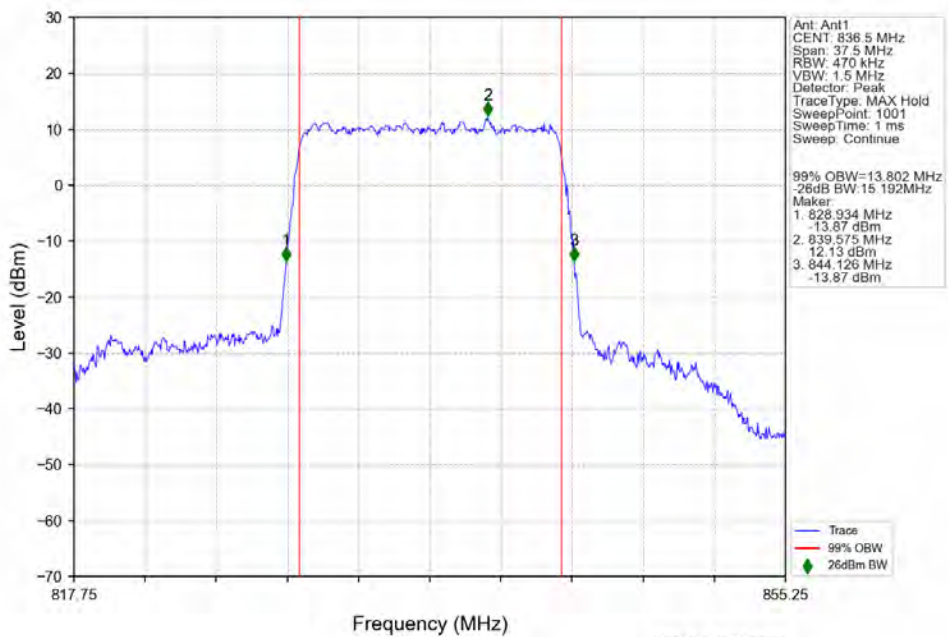
n5 30kHz SISO NTV 15MHz CP-OFDM 64 QAM 841.5MHz Outer Full



n5 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 831.5MHz Outer Full



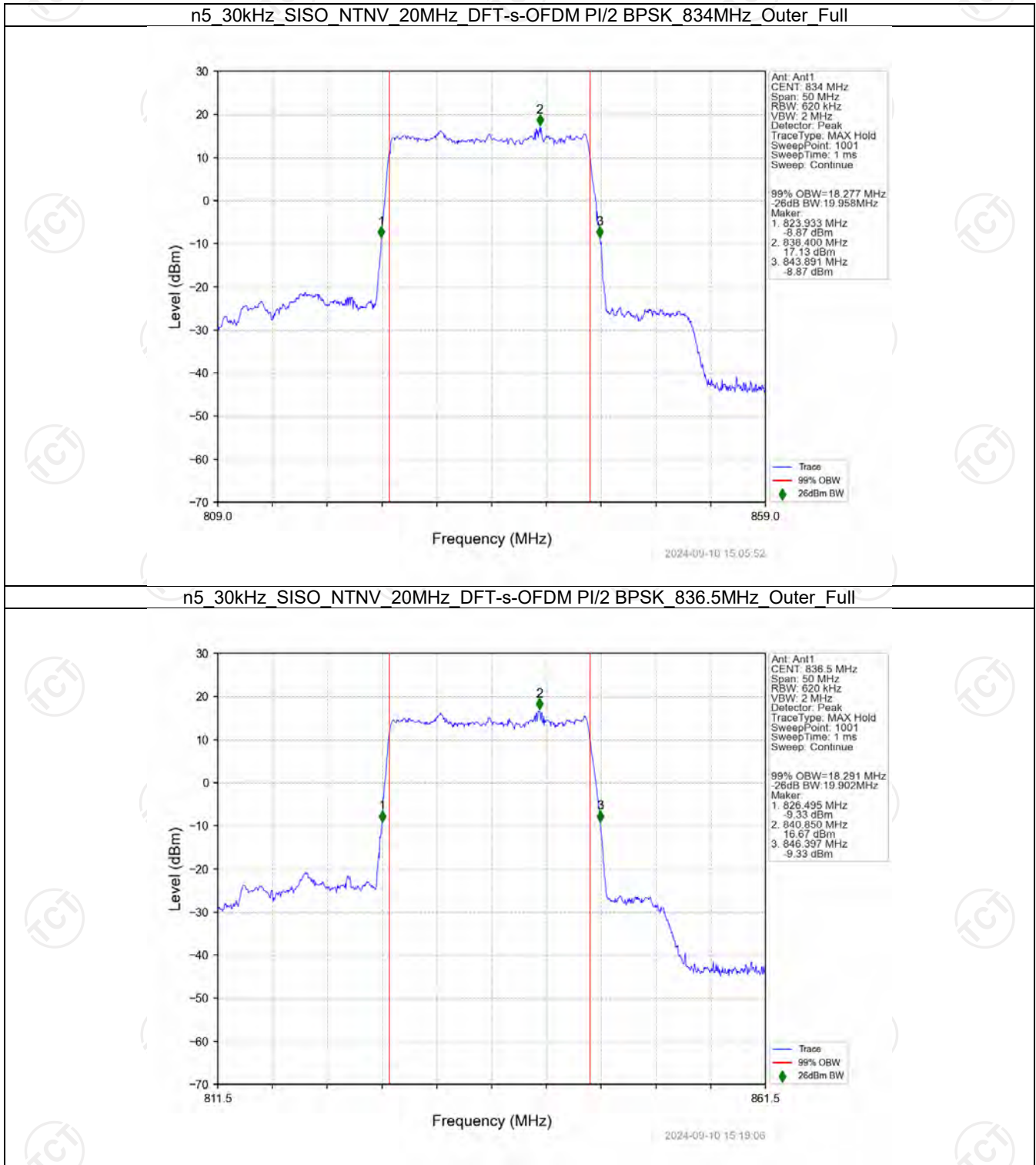
n5 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 836.5MHz Outer Full



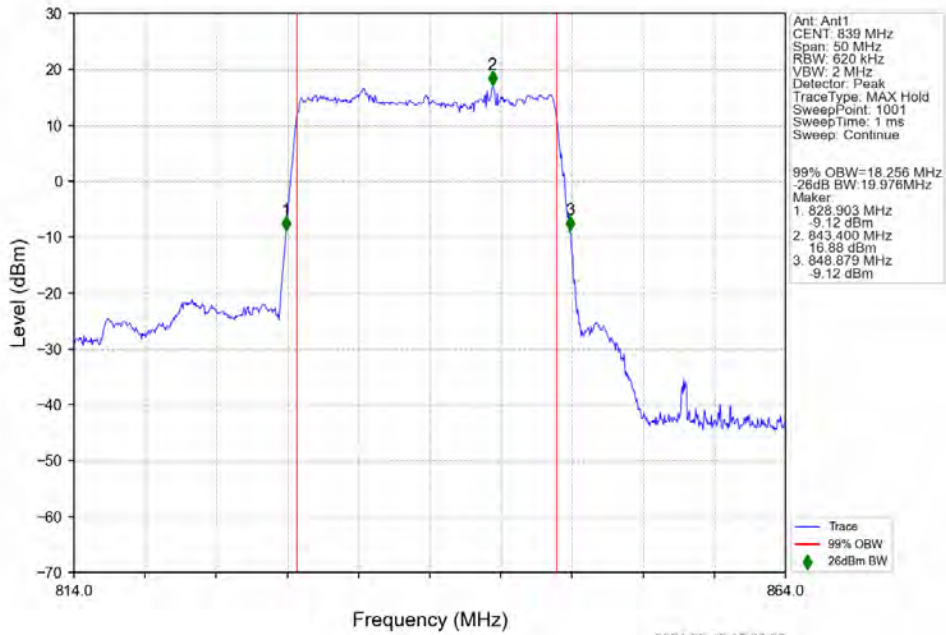
n5 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 841.5MHz Outer Full



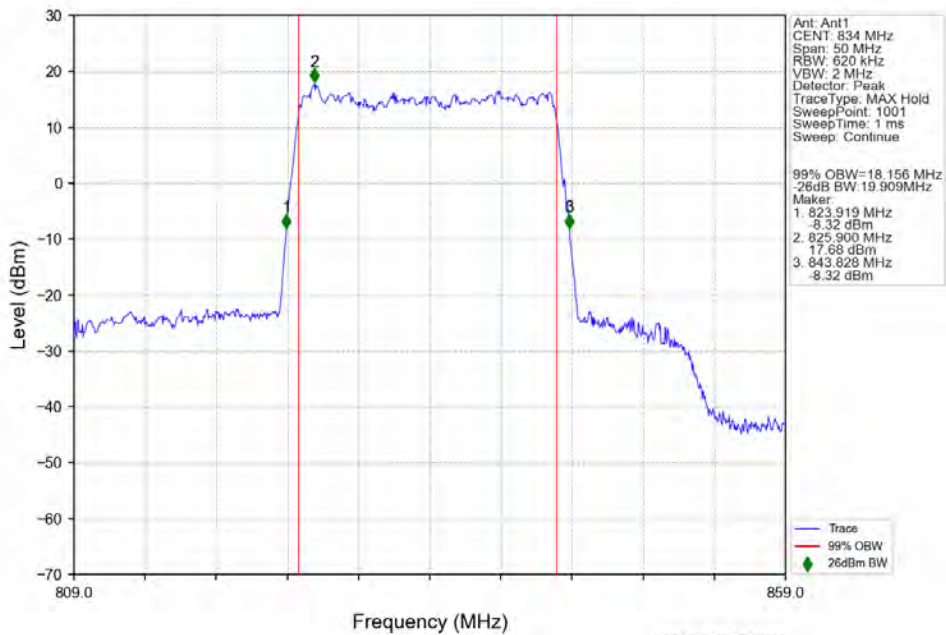
4.2.7 30k_SISO_20MHz_NTNV



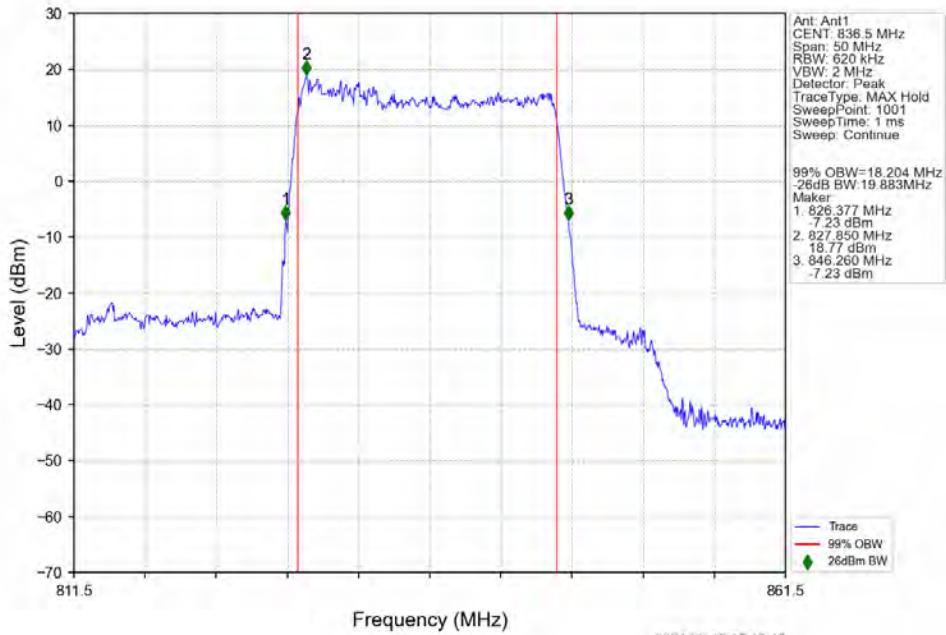
n5 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 839MHz Outer Full



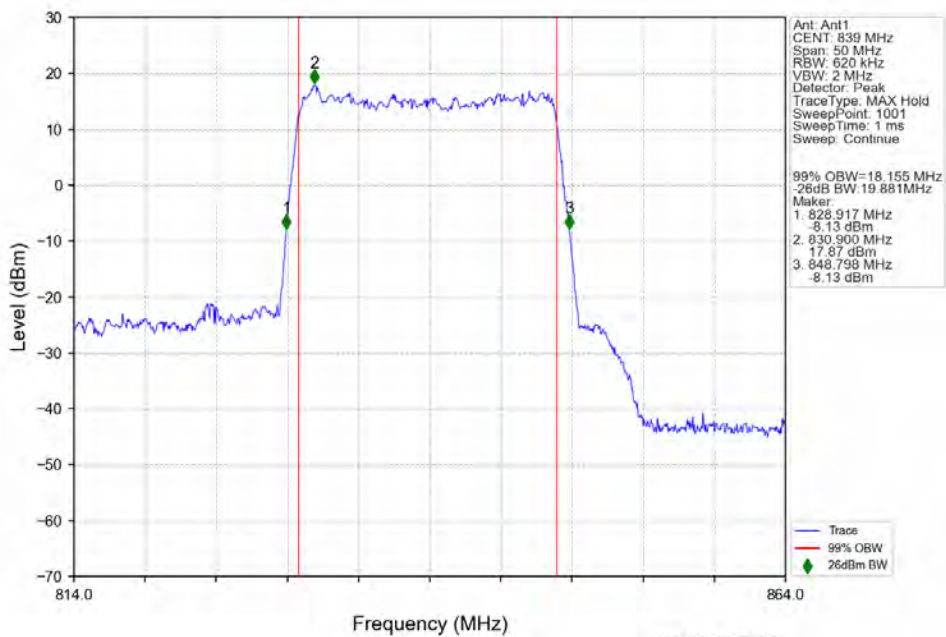
n5 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 834MHz Outer Full



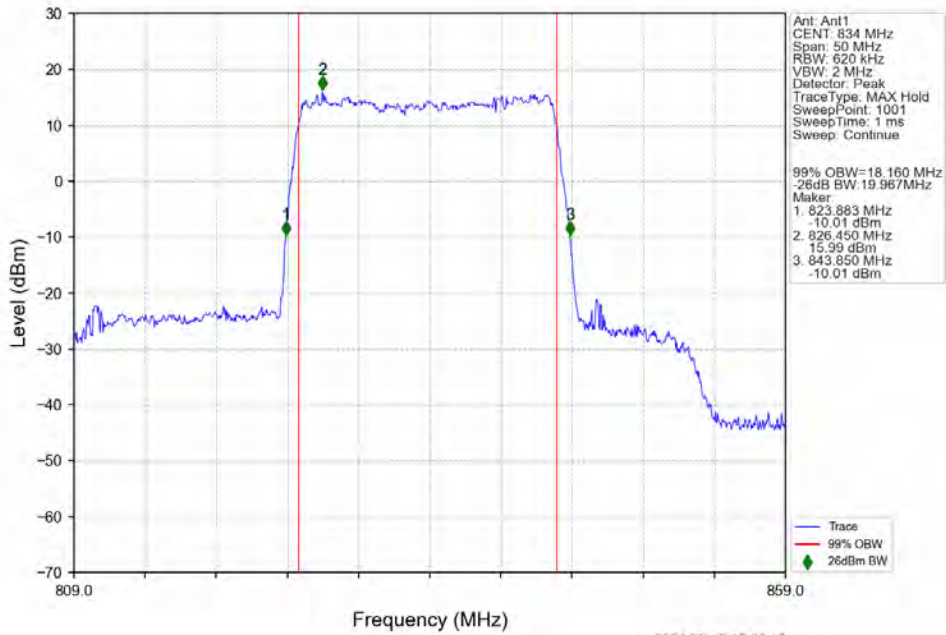
n5 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 836.5MHz Outer Full



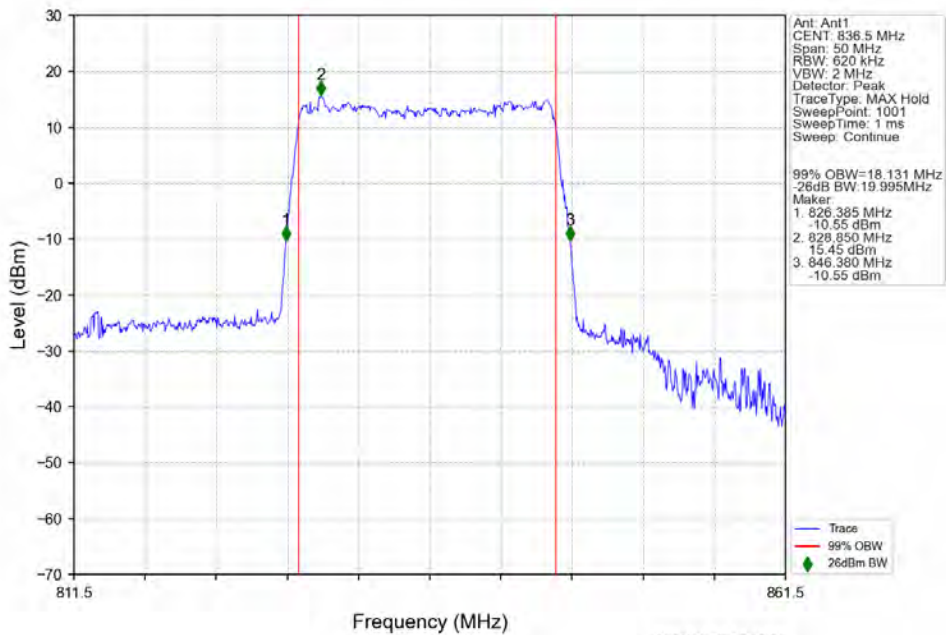
n5 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 839MHz Outer Full



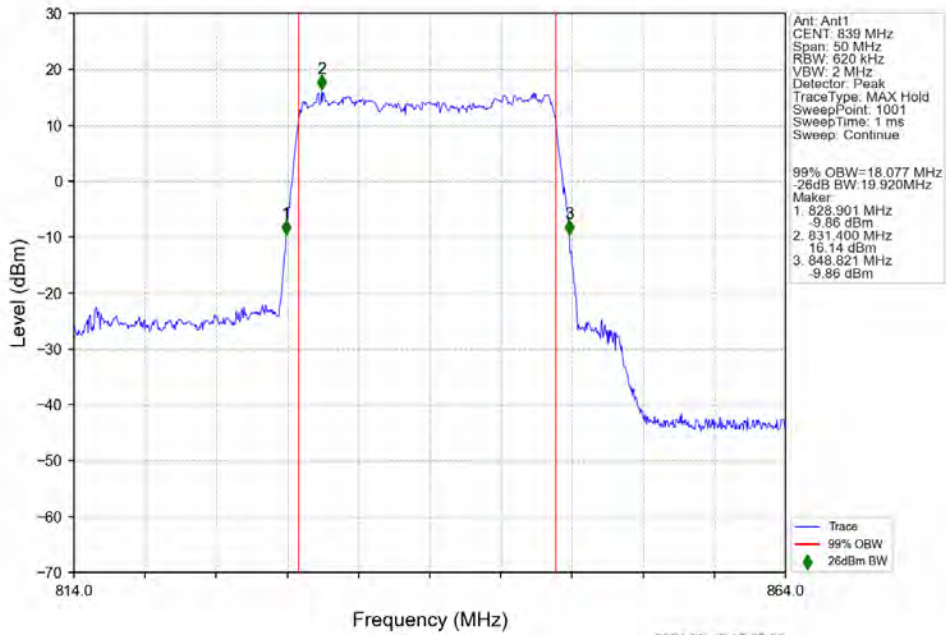
n5 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 834MHz Outer Full



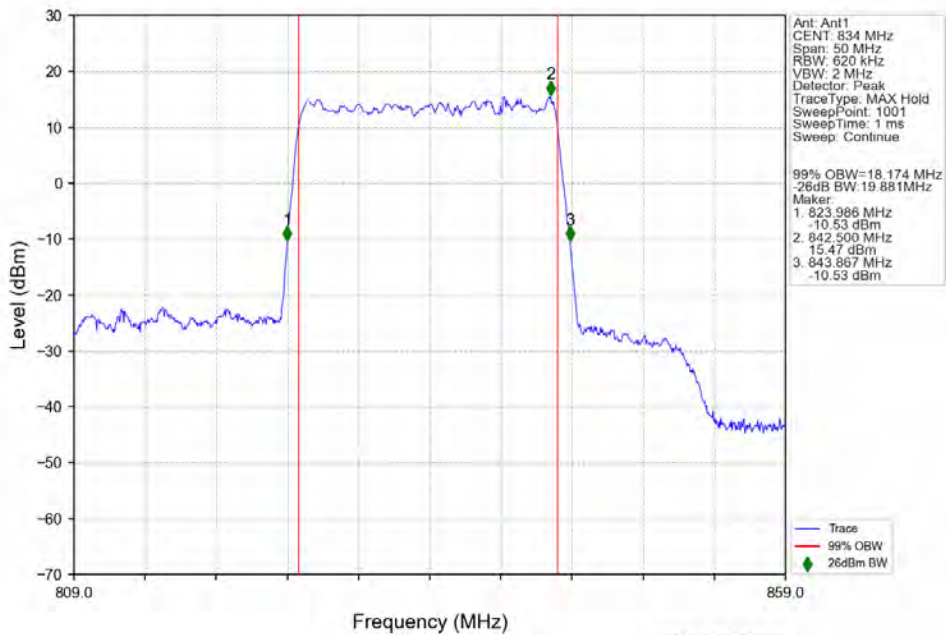
n5 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full



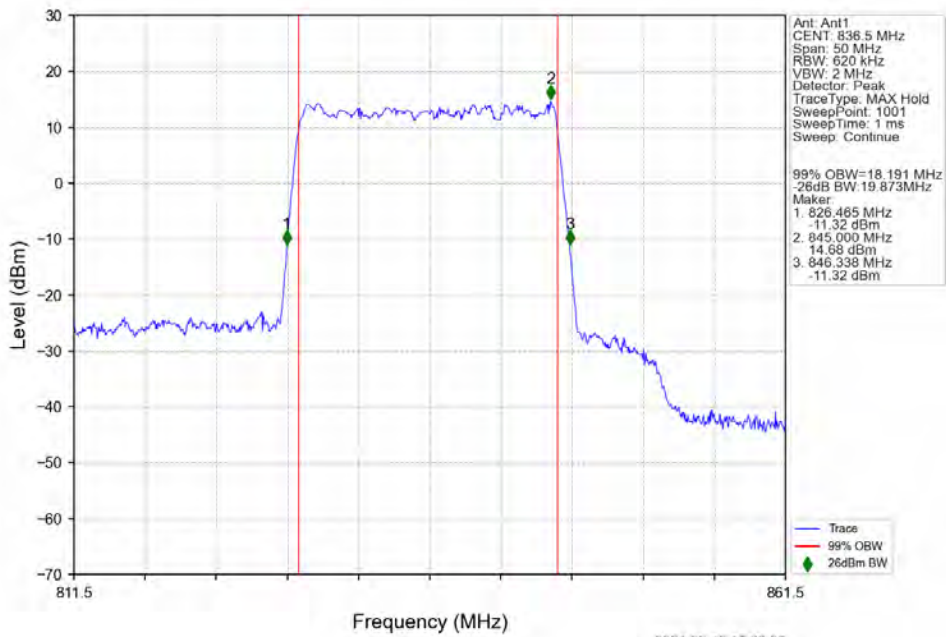
n5 30kHz SISO NTNv 20MHz DFT-s-OFDM 16 QAM 839MHz Outer Full



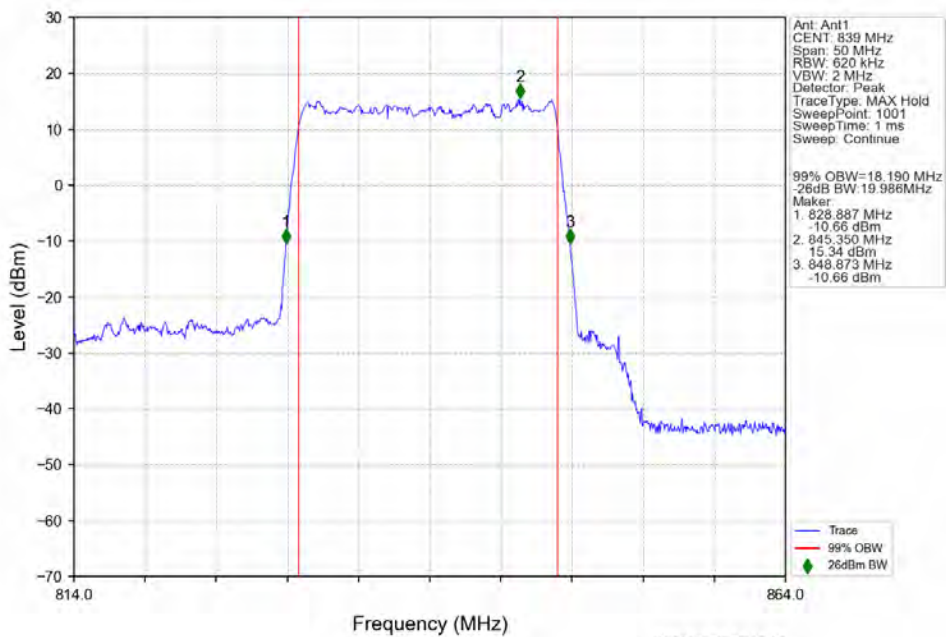
n5 30kHz SISO NTNv 20MHz DFT-s-OFDM 64 QAM 834MHz Outer Full



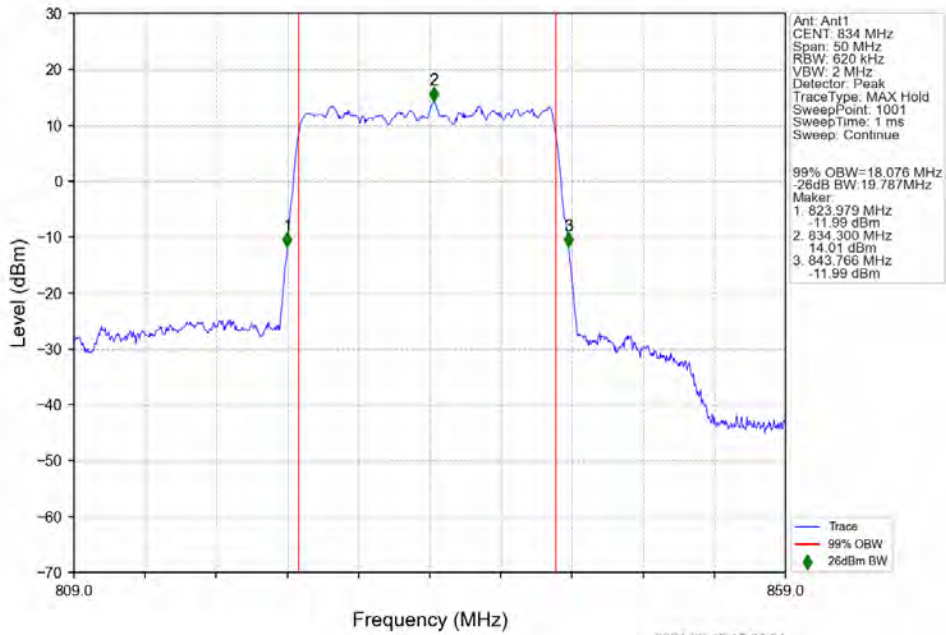
n5 30kHz SISO NTNv 20MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full



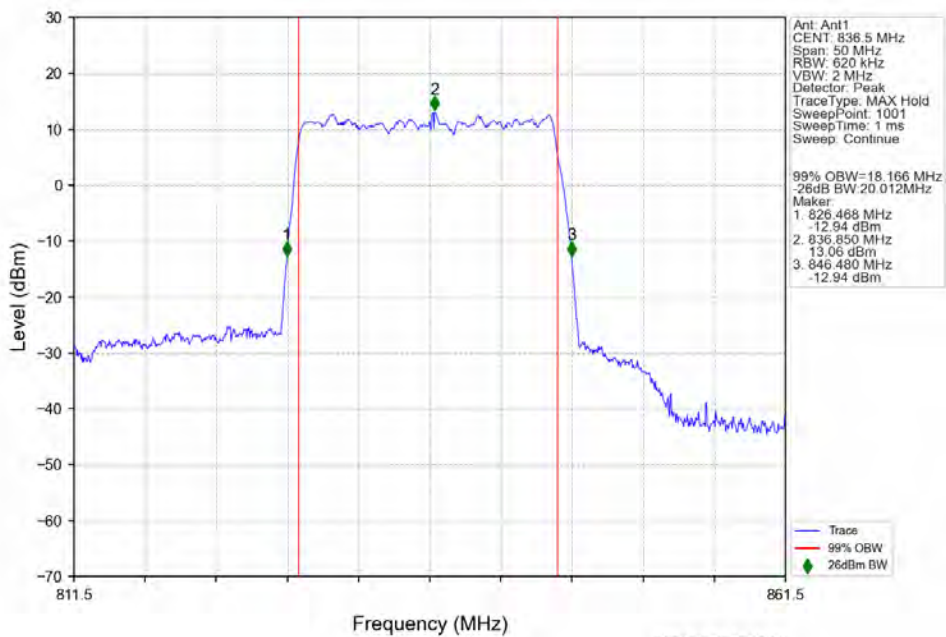
n5 30kHz SISO NTNv 20MHz DFT-s-OFDM 64 QAM 839MHz Outer Full



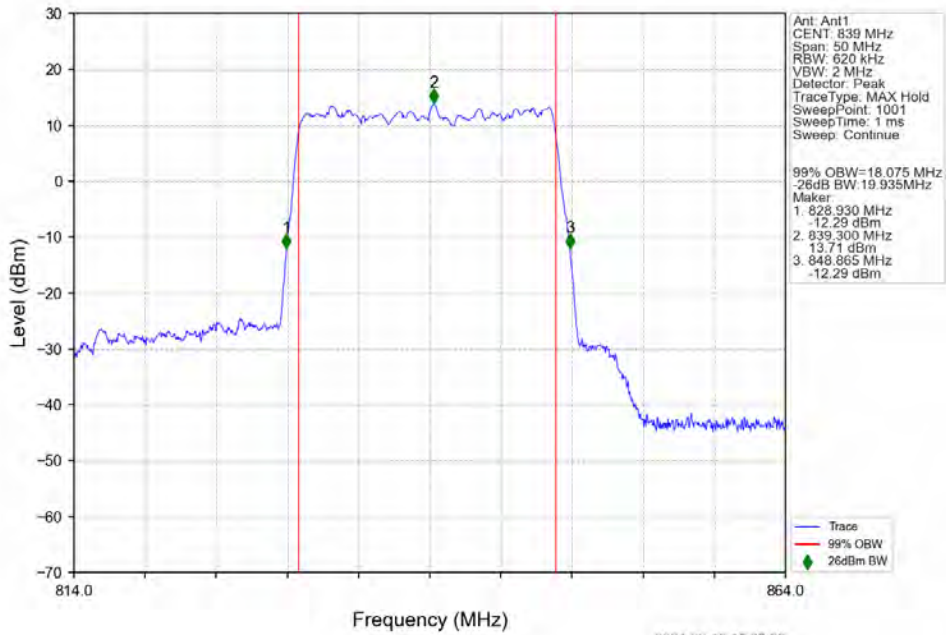
n5 30kHz SISO NTV 20MHz DFT-s-OFDM 256 QAM 834MHz Outer Full



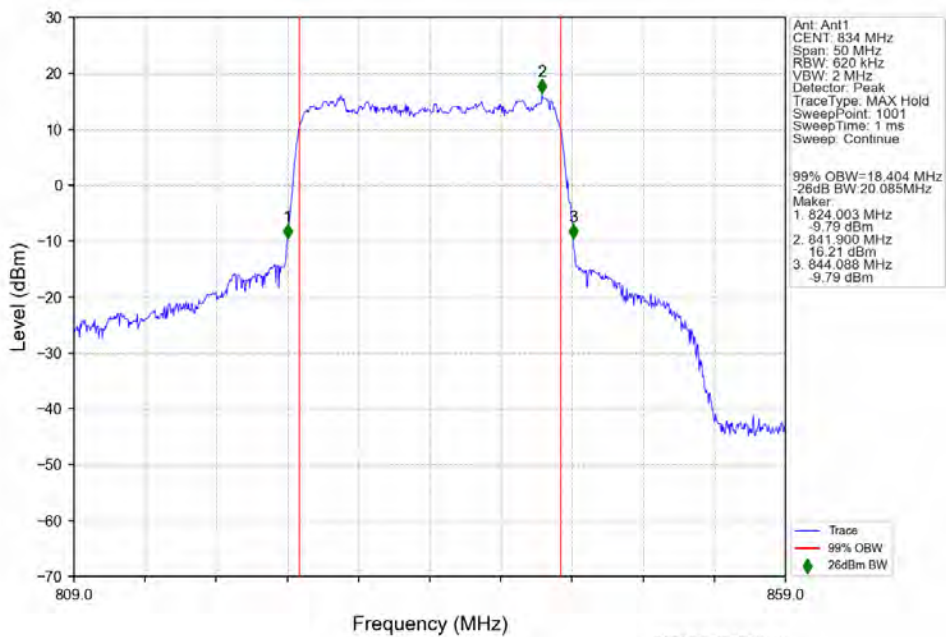
n5 30kHz SISO NTV 20MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full



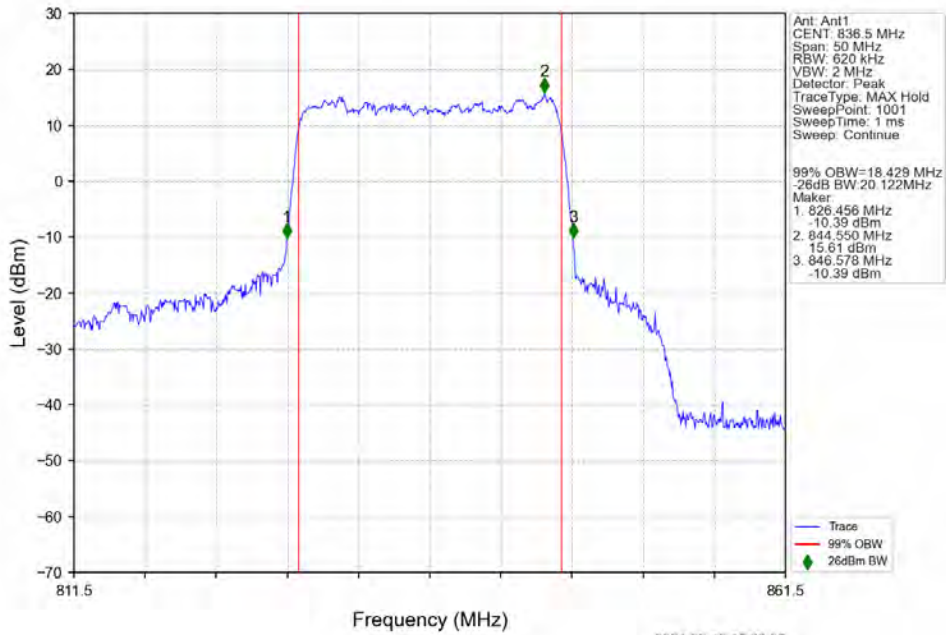
n5_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_839MHz_Outer_Full



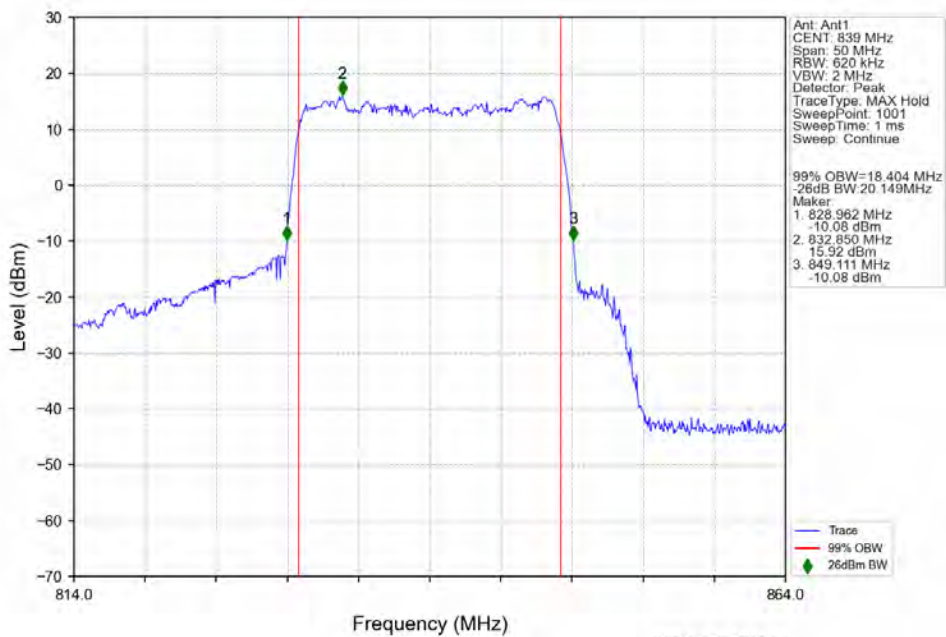
n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_834MHz_Outer_Full



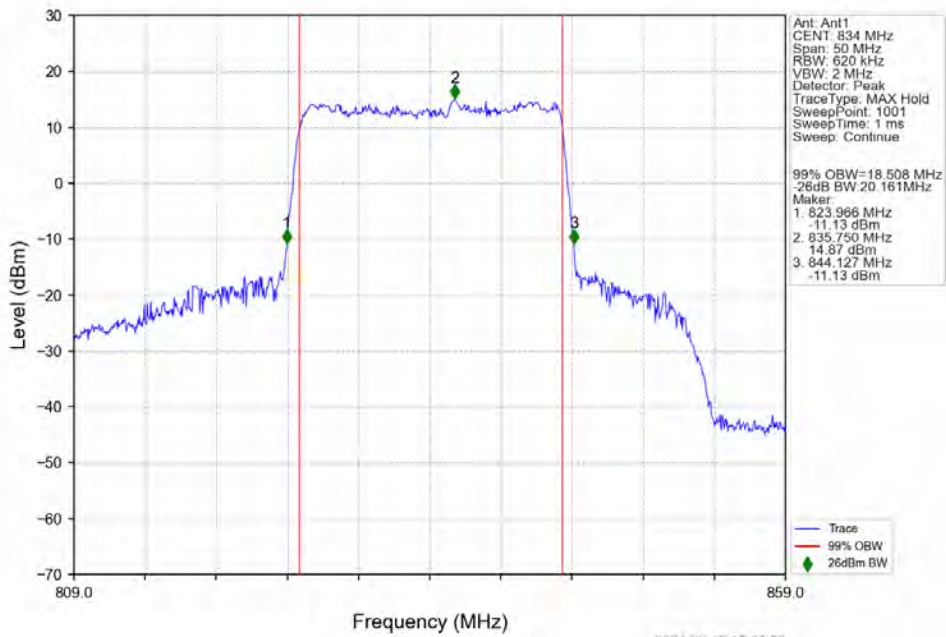
n5 30kHz SISO NTN 20MHz CP-OFDM QPSK 836.5MHz Outer Full



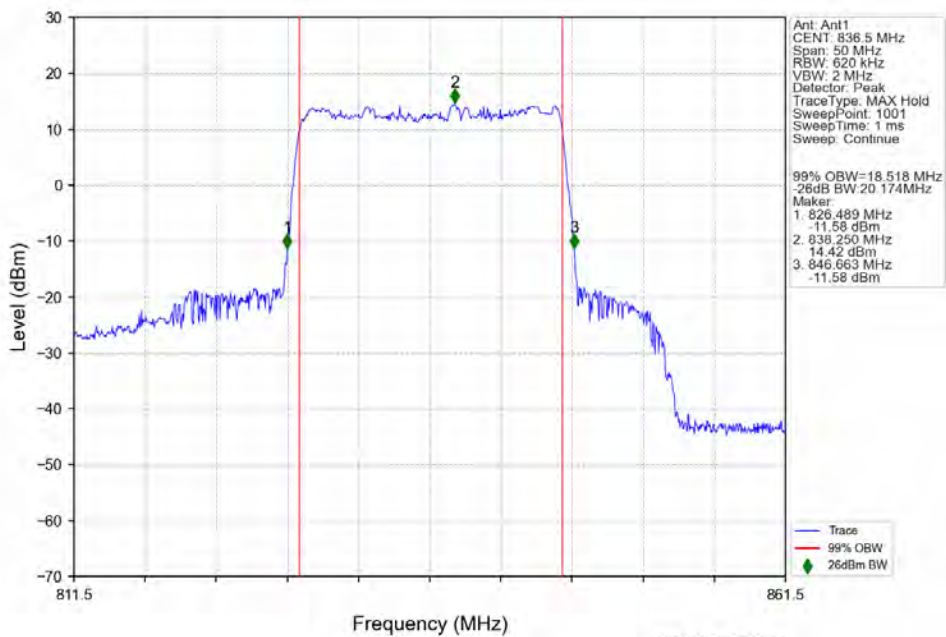
n5 30kHz SISO NTN 20MHz CP-OFDM QPSK 839MHz Outer Full



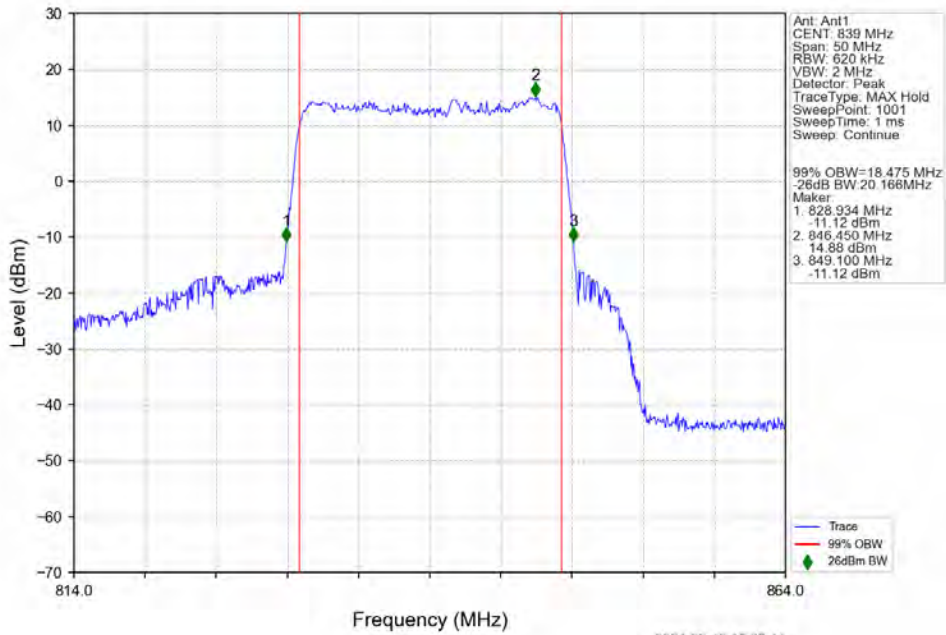
n5 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 834MHz Outer Full



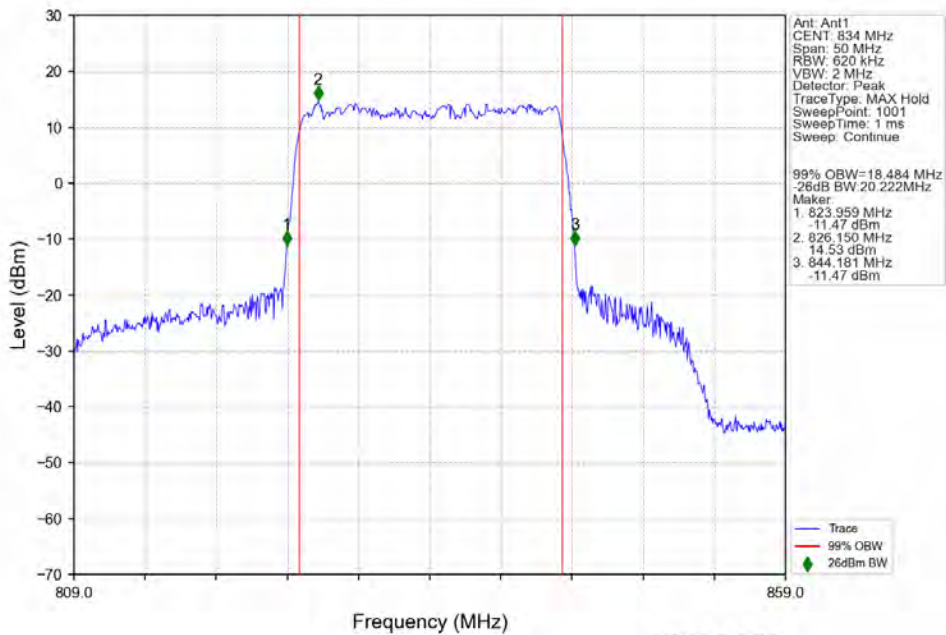
n5 30kHz SISO NTN 20MHz CP-OFDM 16 QAM 836.5MHz Outer Full



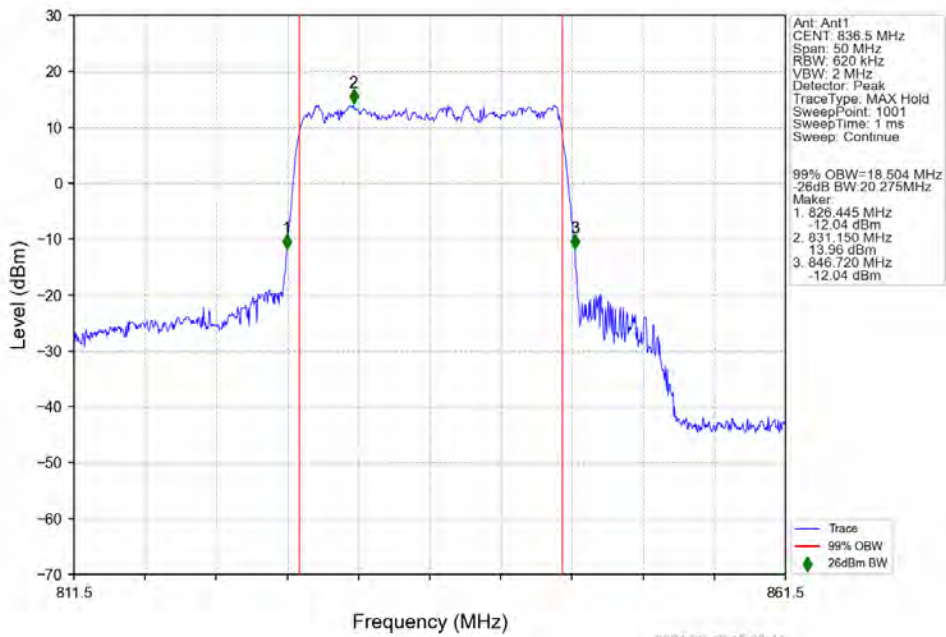
n5 30kHz SISO NTV 20MHz CP-OFDM 16 QAM 839MHz Outer Full



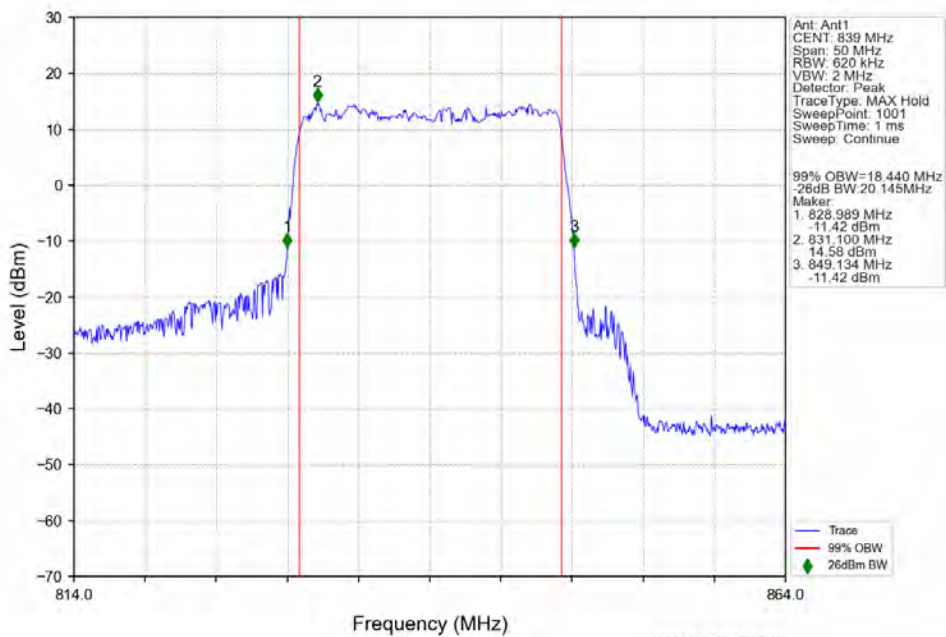
n5 30kHz SISO NTV 20MHz CP-OFDM 64 QAM 834MHz Outer Full



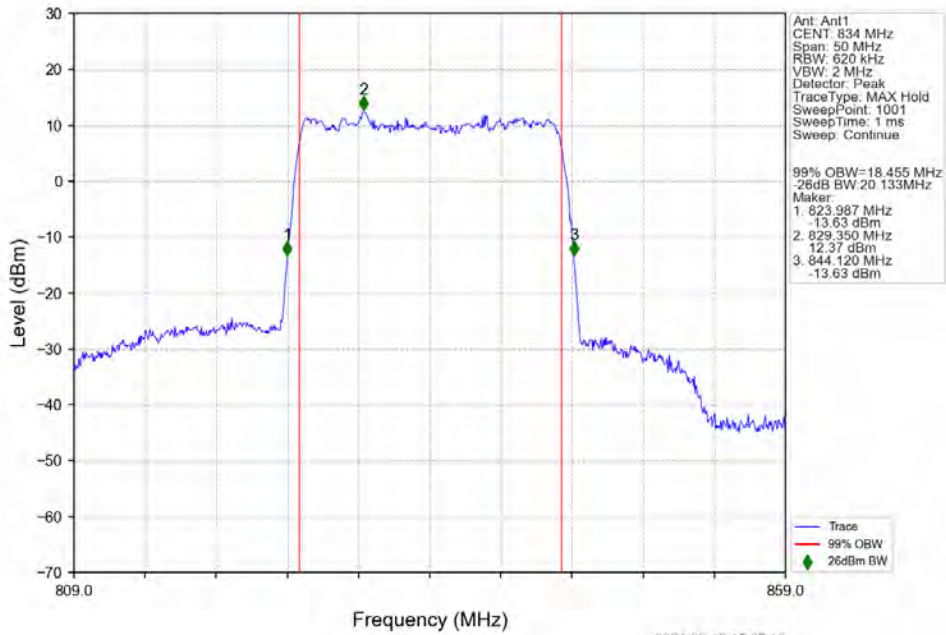
n5 30kHz SISO NTV 20MHz CP-OFDM 64 QAM 836.5MHz Outer Full



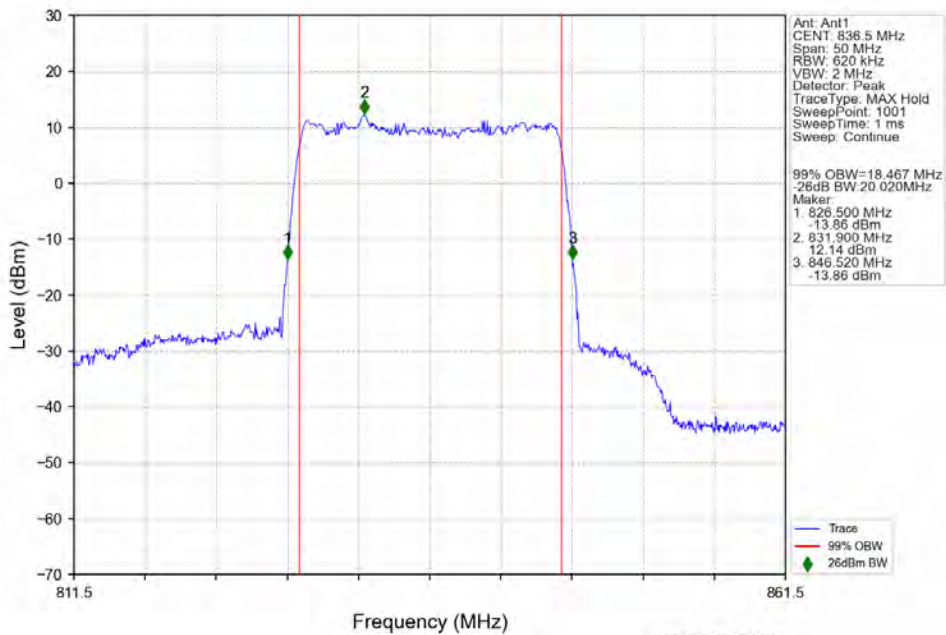
n5 30kHz SISO NTV 20MHz CP-OFDM 64 QAM 839MHz Outer Full



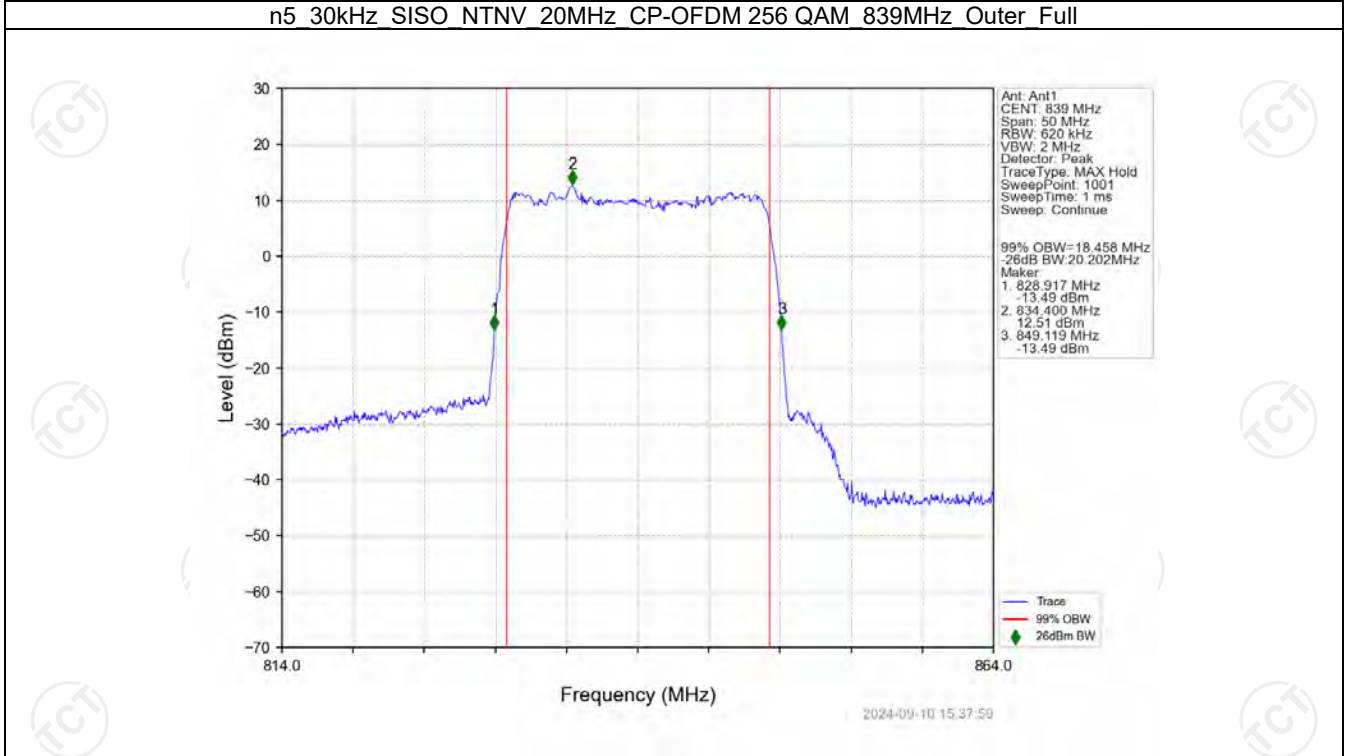
n5 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 834MHz Outer Full



n5 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 836.5MHz Outer Full



n5 30kHz SISO NTV 20MHz CP-OFDM 256 QAM 839MHz Outer Full



5. Peak-Average Ratio

5.1 Test Result

5.1.1 15k_SISO_5MHz_NTNV

5G NR n5 SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	826.5	Outer Full	4.59	/	/	<=13	Pass
	836.5	Outer Full	4.58	/	/	<=13	Pass
	846.5	Outer Full	4.55	/	/	<=13	Pass
DFT-s-OFDM QPSK	826.5	Outer Full	5.82	/	/	<=13	Pass
	836.5	Outer Full	5.75	/	/	<=13	Pass
	846.5	Outer Full	5.91	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	826.5	Outer Full	6.46	/	/	<=13	Pass
	836.5	Outer Full	6.39	/	/	<=13	Pass
	846.5	Outer Full	6.52	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	826.5	Outer Full	6.59	/	/	<=13	Pass
	836.5	Outer Full	6.53	/	/	<=13	Pass
	846.5	Outer Full	6.64	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	826.5	Outer Full	6.93	/	/	<=13	Pass
	836.5	Outer Full	6.89	/	/	<=13	Pass
	846.5	Outer Full	6.97	/	/	<=13	Pass
CP-OFDM QPSK	826.5	Outer Full	7.95	/	/	<=13	Pass
	836.5	Outer Full	7.86	/	/	<=13	Pass
	846.5	Outer Full	8.33	/	/	<=13	Pass
CP-OFDM 16 QAM	826.5	Outer Full	8.11	/	/	<=13	Pass
	836.5	Outer Full	8.04	/	/	<=13	Pass
	846.5	Outer Full	8.47	/	/	<=13	Pass
CP-OFDM 64 QAM	826.5	Outer Full	8.46	/	/	<=13	Pass
	836.5	Outer Full	8.35	/	/	<=13	Pass
	846.5	Outer Full	8.71	/	/	<=13	Pass
CP-OFDM 256 QAM	826.5	Outer Full	8.56	/	/	<=13	Pass
	836.5	Outer Full	8.56	/	/	<=13	Pass
	846.5	Outer Full	8.66	/	/	<=13	Pass

5.1.2 15k_SISO_10MHz_NTNV

5G NR n5 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	829	Outer Full	5.92	/	/	<=13	Pass
	836.5	Outer Full	4.61	/	/	<=13	Pass
	844	Outer Full	4.51	/	/	<=13	Pass
DFT-s-OFDM QPSK	829	Outer Full	5.68	/	/	<=13	Pass
	836.5	Outer Full	5.65	/	/	<=13	Pass
	844	Outer Full	5.67	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	829	Outer Full	6.49	/	/	<=13	Pass
	836.5	Outer Full	6.47	/	/	<=13	Pass
	844	Outer Full	6.55	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	829	Outer Full	6.60	/	/	<=13	Pass
	836.5	Outer Full	6.59	/	/	<=13	Pass
	844	Outer Full	6.68	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	829	Outer Full	6.66	/	/	<=13	Pass
	836.5	Outer Full	6.65	/	/	<=13	Pass
	844	Outer Full	6.66	/	/	<=13	Pass
CP-OFDM QPSK	829	Outer Full	8.07	/	/	<=13	Pass
	836.5	Outer Full	7.97	/	/	<=13	Pass
	844	Outer Full	8.19	/	/	<=13	Pass
CP-OFDM 16 QAM	829	Outer Full	8.41	/	/	<=13	Pass
	836.5	Outer Full	8.33	/	/	<=13	Pass
	844	Outer Full	8.53	/	/	<=13	Pass
CP-OFDM 64 QAM	829	Outer Full	8.40	/	/	<=13	Pass
	836.5	Outer Full	8.32	/	/	<=13	Pass
	844	Outer Full	8.46	/	/	<=13	Pass
CP-OFDM 256 QAM	829	Outer Full	8.57	/	/	<=13	Pass
	836.5	Outer Full	8.56	/	/	<=13	Pass
	844	Outer Full	8.61	/	/	<=13	Pass

5.1.3 15k_SISO_15MHz_NTNV

5G NR n5 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	831.5	Outer Full	4.78	/	/	<=13	Pass
	836.5	Outer Full	4.74	/	/	<=13	Pass
	841.5	Outer Full	4.84	/	/	<=13	Pass
DFT-s-OFDM QPSK	831.5	Outer Full	5.67	/	/	<=13	Pass
	836.5	Outer Full	5.68	/	/	<=13	Pass
	841.5	Outer Full	5.78	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	831.5	Outer Full	6.40	/	/	<=13	Pass
	836.5	Outer Full	6.40	/	/	<=13	Pass
	841.5	Outer Full	6.50	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	831.5	Outer Full	6.58	/	/	<=13	Pass
	836.5	Outer Full	6.59	/	/	<=13	Pass
	841.5	Outer Full	6.71	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	831.5	Outer Full	6.68	/	/	<=13	Pass
	836.5	Outer Full	6.66	/	/	<=13	Pass
	841.5	Outer Full	6.71	/	/	<=13	Pass
CP-OFDM QPSK	831.5	Outer Full	7.82	/	/	<=13	Pass
	836.5	Outer Full	7.90	/	/	<=13	Pass
	841.5	Outer Full	8.14	/	/	<=13	Pass
CP-OFDM 16 QAM	831.5	Outer Full	8.06	/	/	<=13	Pass
	836.5	Outer Full	8.16	/	/	<=13	Pass
	841.5	Outer Full	8.33	/	/	<=13	Pass
CP-OFDM 64 QAM	831.5	Outer Full	8.12	/	/	<=13	Pass
	836.5	Outer Full	8.16	/	/	<=13	Pass
	841.5	Outer Full	8.29	/	/	<=13	Pass
CP-OFDM 256 QAM	831.5	Outer Full	8.58	/	/	<=13	Pass
	836.5	Outer Full	8.60	/	/	<=13	Pass
	841.5	Outer Full	8.64	/	/	<=13	Pass

5.1.4 15k_SISO_20MHz_NTNV

5G NR n5 SCS=15kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	834	Outer Full	4.73	/	/	<=13	Pass
	836.5	Outer Full	4.77	/	/	<=13	Pass

DFT-s-OFDM QPSK	839	Outer Full	4.82	/	/	<=13	Pass
	834	Outer Full	5.65	/	/	<=13	Pass
	836.5	Outer Full	5.75	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	839	Outer Full	5.82	/	/	<=13	Pass
	834	Outer Full	6.33	/	/	<=13	Pass
	836.5	Outer Full	6.40	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	839	Outer Full	6.48	/	/	<=13	Pass
	834	Outer Full	6.61	/	/	<=13	Pass
	836.5	Outer Full	6.66	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	839	Outer Full	6.69	/	/	<=13	Pass
	834	Outer Full	6.66	/	/	<=13	Pass
	836.5	Outer Full	6.68	/	/	<=13	Pass
CP-OFDM QPSK	839	Outer Full	6.70	/	/	<=13	Pass
	834	Outer Full	7.95	/	/	<=13	Pass
	836.5	Outer Full	8.06	/	/	<=13	Pass
CP-OFDM 16 QAM	839	Outer Full	8.20	/	/	<=13	Pass
	834	Outer Full	8.15	/	/	<=13	Pass
	836.5	Outer Full	8.28	/	/	<=13	Pass
CP-OFDM 64 QAM	839	Outer Full	8.41	/	/	<=13	Pass
	834	Outer Full	8.33	/	/	<=13	Pass
	836.5	Outer Full	8.43	/	/	<=13	Pass
CP-OFDM 256 QAM	839	Outer Full	8.50	/	/	<=13	Pass
	834	Outer Full	8.53	/	/	<=13	Pass
	836.5	Outer Full	8.55	/	/	<=13	Pass
	839	Outer Full	8.57	/	/	<=13	Pass

5.1.5 30k_SISO_10MHz_NTNV

5G NR n5 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	829	Outer Full	4.67	/	/	<=13	Pass
	836.5	Outer Full	4.59	/	/	<=13	Pass
	844	Outer Full	4.68	/	/	<=13	Pass
DFT-s-OFDM QPSK	829	Outer Full	5.79	/	/	<=13	Pass
	836.5	Outer Full	5.70	/	/	<=13	Pass
	844	Outer Full	5.85	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	829	Outer Full	6.59	/	/	<=13	Pass
	836.5	Outer Full	6.47	/	/	<=13	Pass
	844	Outer Full	6.56	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	829	Outer Full	6.75	/	/	<=13	Pass
	836.5	Outer Full	6.68	/	/	<=13	Pass
	844	Outer Full	6.79	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	829	Outer Full	6.95	/	/	<=13	Pass
	836.5	Outer Full	6.89	/	/	<=13	Pass
	844	Outer Full	6.94	/	/	<=13	Pass
CP-OFDM QPSK	829	Outer Full	8.30	/	/	<=13	Pass
	836.5	Outer Full	8.03	/	/	<=13	Pass
	844	Outer Full	8.40	/	/	<=13	Pass
CP-OFDM 16 QAM	829	Outer Full	8.26	/	/	<=13	Pass
	836.5	Outer Full	8.00	/	/	<=13	Pass
	844	Outer Full	8.17	/	/	<=13	Pass
CP-OFDM 64 QAM	829	Outer Full	8.35	/	/	<=13	Pass
	836.5	Outer Full	8.16	/	/	<=13	Pass
	844	Outer Full	8.35	/	/	<=13	Pass
CP-OFDM 256 QAM	829	Outer Full	8.52	/	/	<=13	Pass
	836.5	Outer Full	8.48	/	/	<=13	Pass

	844	Outer Full	8.65	/	/	<=13	Pass
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5.1.6 30k_SISO_15MHz_NTNV

5G NR n5 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	831.5	Outer Full	4.72	/	/	<=13	Pass
	836.5	Outer Full	4.60	/	/	<=13	Pass
	841.5	Outer Full	4.80	/	/	<=13	Pass
DFT-s-OFDM QPSK	831.5	Outer Full	5.88	/	/	<=13	Pass
	836.5	Outer Full	5.89	/	/	<=13	Pass
	841.5	Outer Full	5.96	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	831.5	Outer Full	6.44	/	/	<=13	Pass
	836.5	Outer Full	6.43	/	/	<=13	Pass
	841.5	Outer Full	6.45	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	831.5	Outer Full	6.67	/	/	<=13	Pass
	836.5	Outer Full	6.68	/	/	<=13	Pass
	841.5	Outer Full	6.72	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	831.5	Outer Full	6.68	/	/	<=13	Pass
	836.5	Outer Full	6.68	/	/	<=13	Pass
	841.5	Outer Full	6.69	/	/	<=13	Pass
CP-OFDM QPSK	831.5	Outer Full	7.92	/	/	<=13	Pass
	836.5	Outer Full	7.93	/	/	<=13	Pass
	841.5	Outer Full	8.08	/	/	<=13	Pass
CP-OFDM 16 QAM	831.5	Outer Full	8.19	/	/	<=13	Pass
	836.5	Outer Full	8.19	/	/	<=13	Pass
	841.5	Outer Full	8.25	/	/	<=13	Pass
CP-OFDM 64 QAM	831.5	Outer Full	8.30	/	/	<=13	Pass
	836.5	Outer Full	8.26	/	/	<=13	Pass
	841.5	Outer Full	8.34	/	/	<=13	Pass
CP-OFDM 256 QAM	831.5	Outer Full	8.67	/	/	<=13	Pass
	836.5	Outer Full	8.62	/	/	<=13	Pass
	841.5	Outer Full	8.63	/	/	<=13	Pass

5.1.7 30k_SISO_20MHz_NTNV

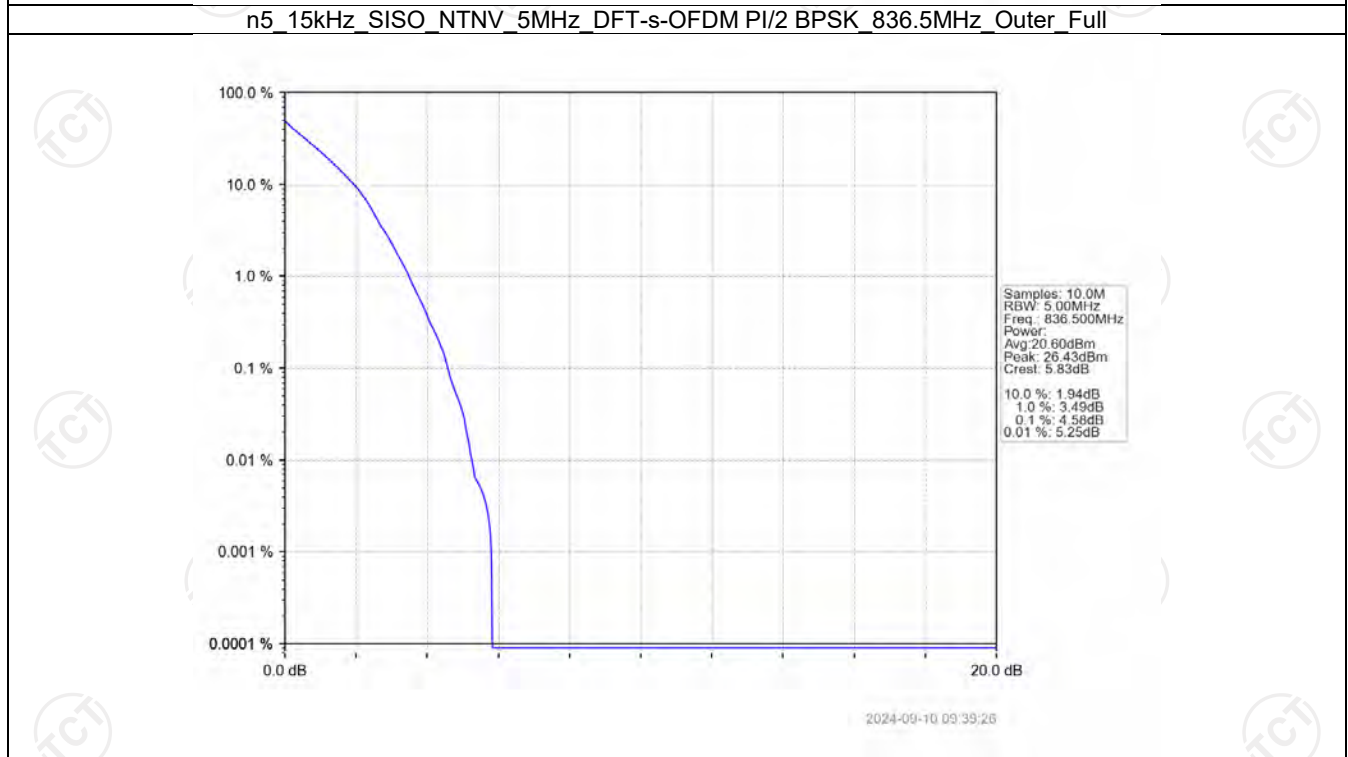
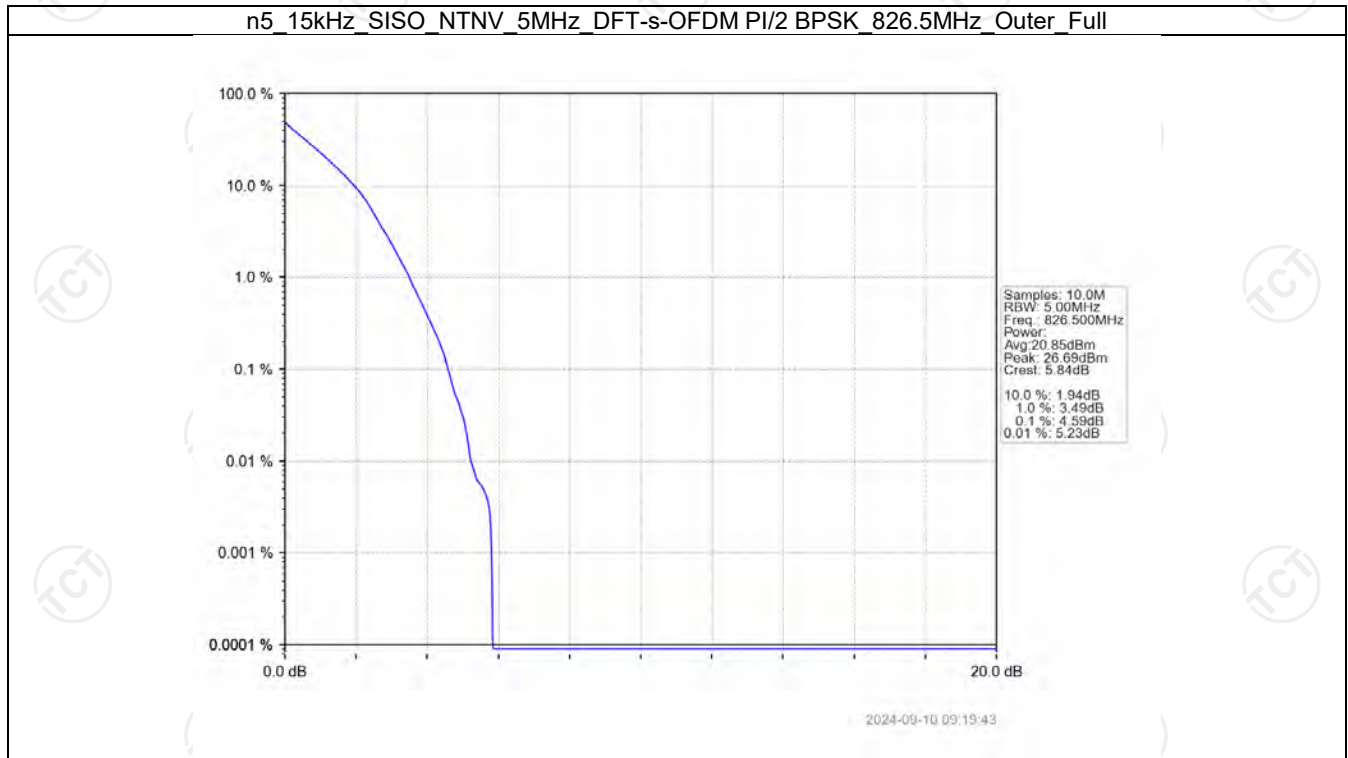
5G NR n5 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	834	Outer Full	6.38	/	/	<=13	Pass
	836.5	Outer Full	4.88	/	/	<=13	Pass
	839	Outer Full	4.95	/	/	<=13	Pass
DFT-s-OFDM QPSK	834	Outer Full	5.77	/	/	<=13	Pass
	836.5	Outer Full	5.84	/	/	<=13	Pass
	839	Outer Full	5.88	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	834	Outer Full	6.54	/	/	<=13	Pass
	836.5	Outer Full	6.59	/	/	<=13	Pass
	839	Outer Full	6.59	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	834	Outer Full	6.62	/	/	<=13	Pass
	836.5	Outer Full	6.70	/	/	<=13	Pass
	839	Outer Full	6.74	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	834	Outer Full	6.67	/	/	<=13	Pass
	836.5	Outer Full	6.68	/	/	<=13	Pass
	839	Outer Full	6.68	/	/	<=13	Pass
CP-OFDM QPSK	834	Outer Full	8.13	/	/	<=13	Pass

	836.5	Outer Full	8.22	/	/	<=13	Pass
	839	Outer Full	8.17	/	/	<=13	Pass
CP-OFDM 16 QAM	834	Outer Full	8.24	/	/	<=13	Pass
	836.5	Outer Full	8.34	/	/	<=13	Pass
	839	Outer Full	8.19	/	/	<=13	Pass
CP-OFDM 64 QAM	834	Outer Full	8.34	/	/	<=13	Pass
	836.5	Outer Full	8.41	/	/	<=13	Pass
	839	Outer Full	8.40	/	/	<=13	Pass
CP-OFDM 256 QAM	834	Outer Full	8.77	/	/	<=13	Pass
	836.5	Outer Full	8.74	/	/	<=13	Pass
	839	Outer Full	8.73	/	/	<=13	Pass

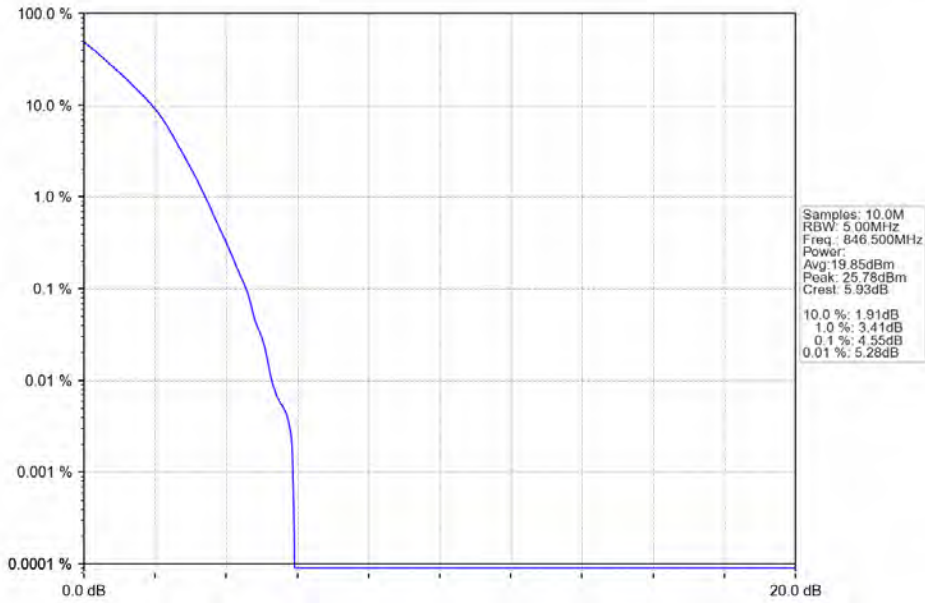


5.2 Test Graph

5.2.1 15k_SISO_5MHz_NTNV

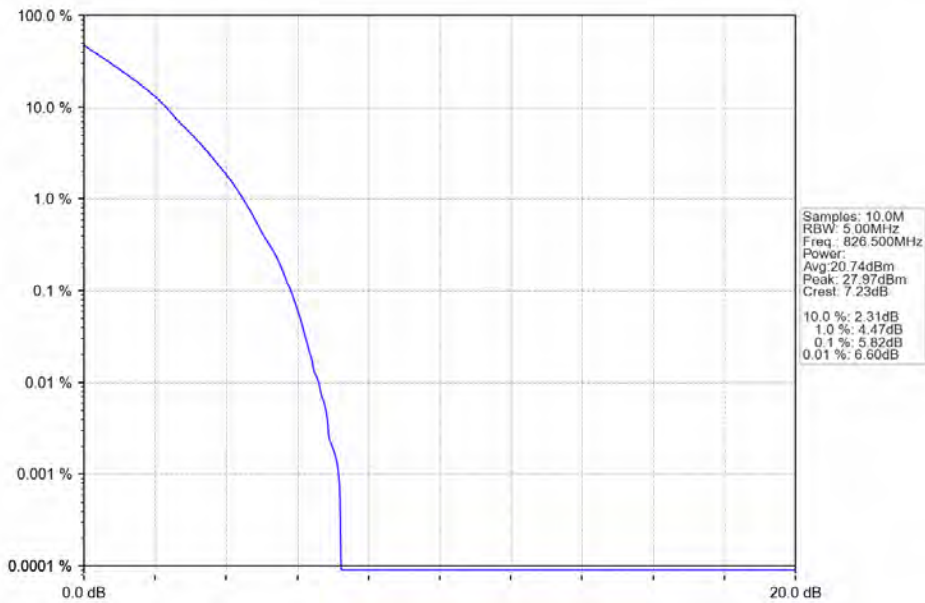


n5 15kHz SISO NTN 5MHz DFT-s-OFDM PI/2 BPSK 846.5MHz Outer Full



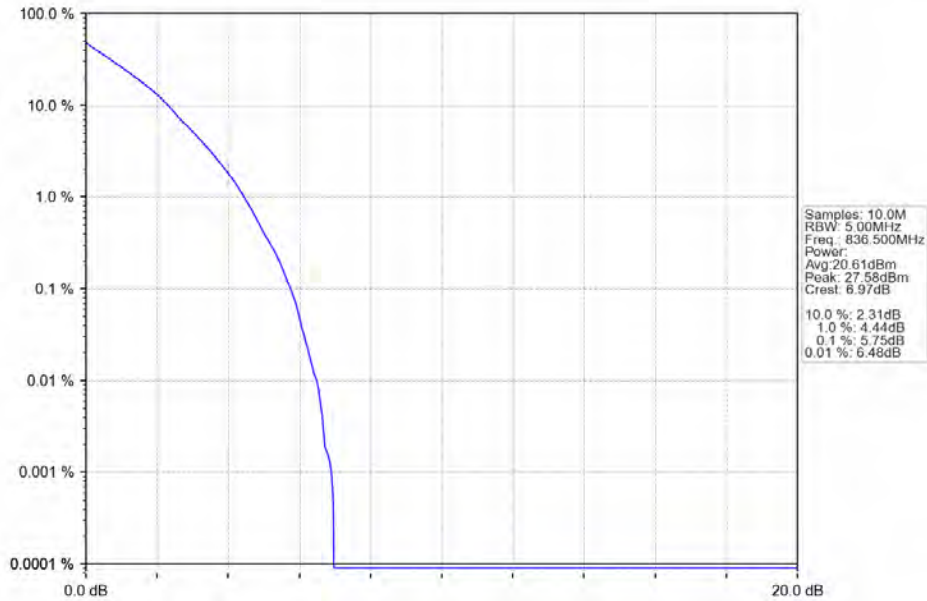
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n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 826.5MHz Outer Full



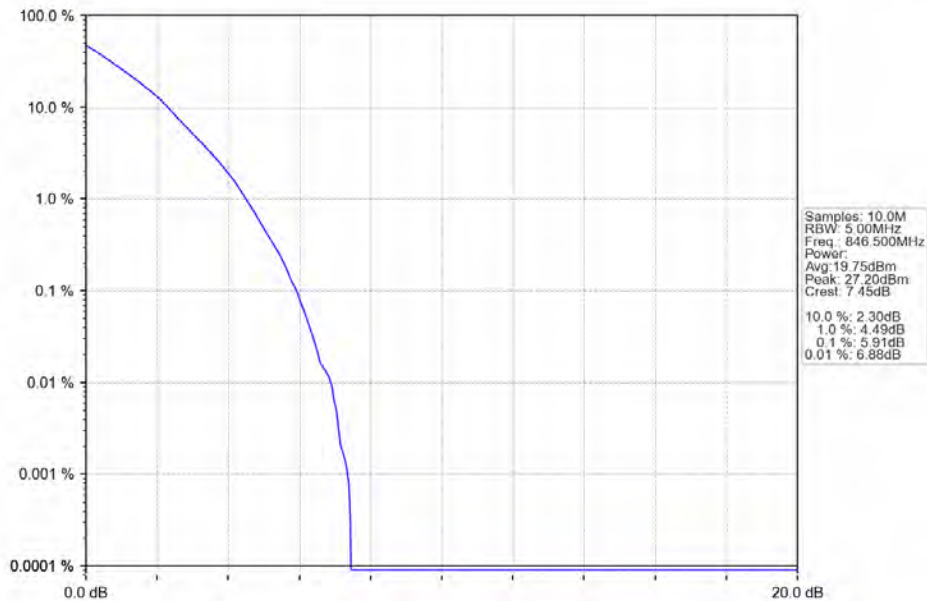
2024-09-10 09:22:24

n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 836.5MHz Outer Full



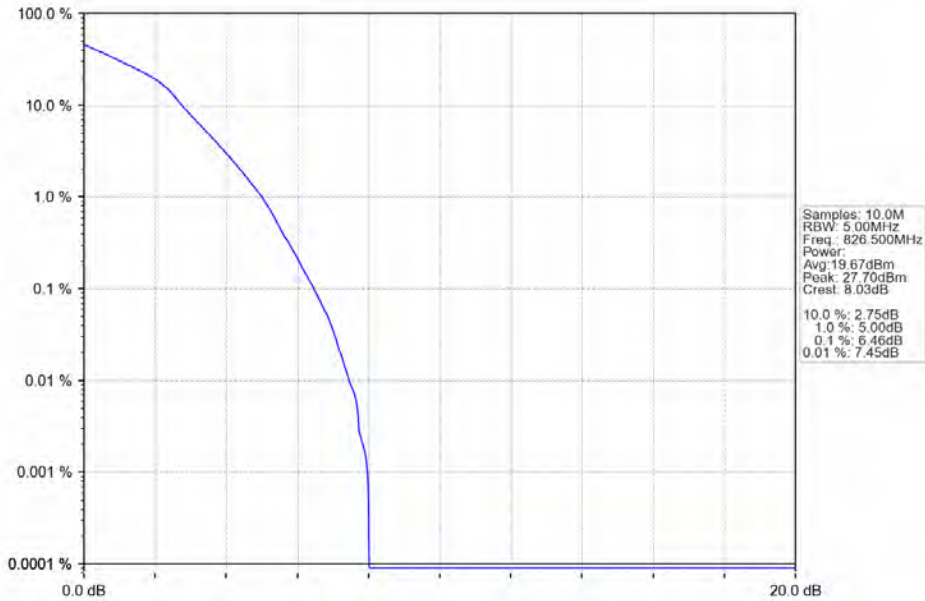
2024-09-10 09:41:53

n5 15kHz SISO NTN 5MHz DFT-s-OFDM QPSK 846.5MHz Outer Full



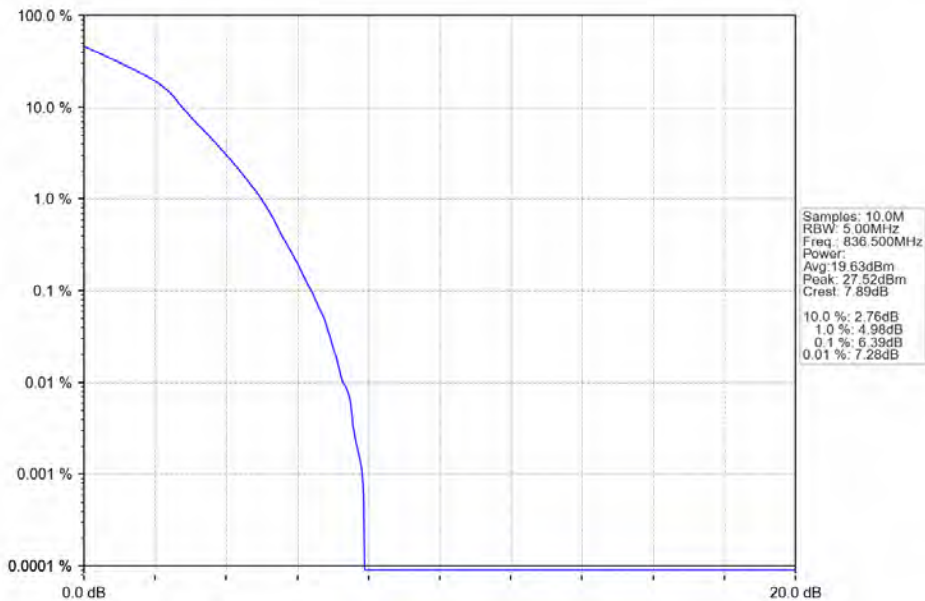
2024-09-10 09:58:05

n5 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 826.5MHz Outer Full



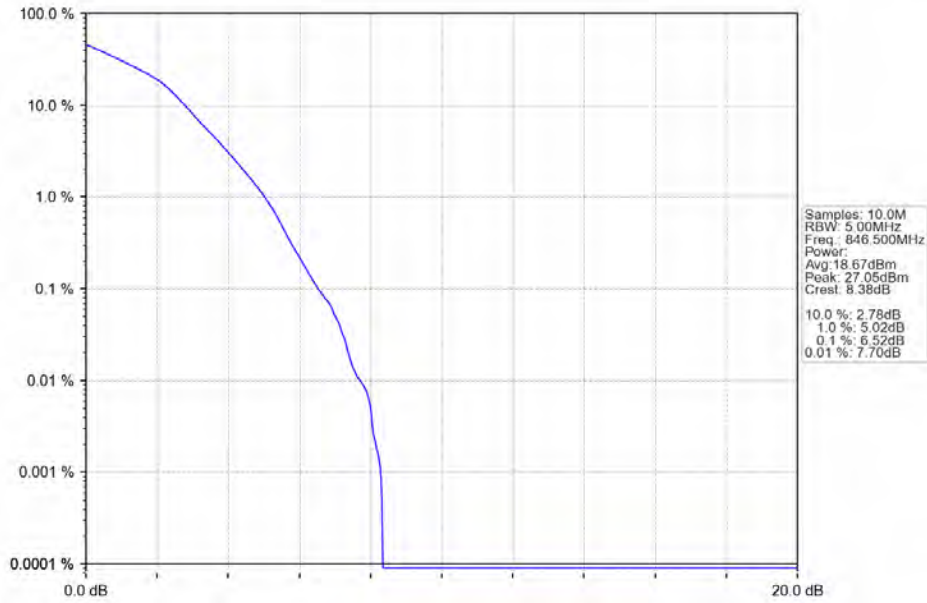
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n5 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full



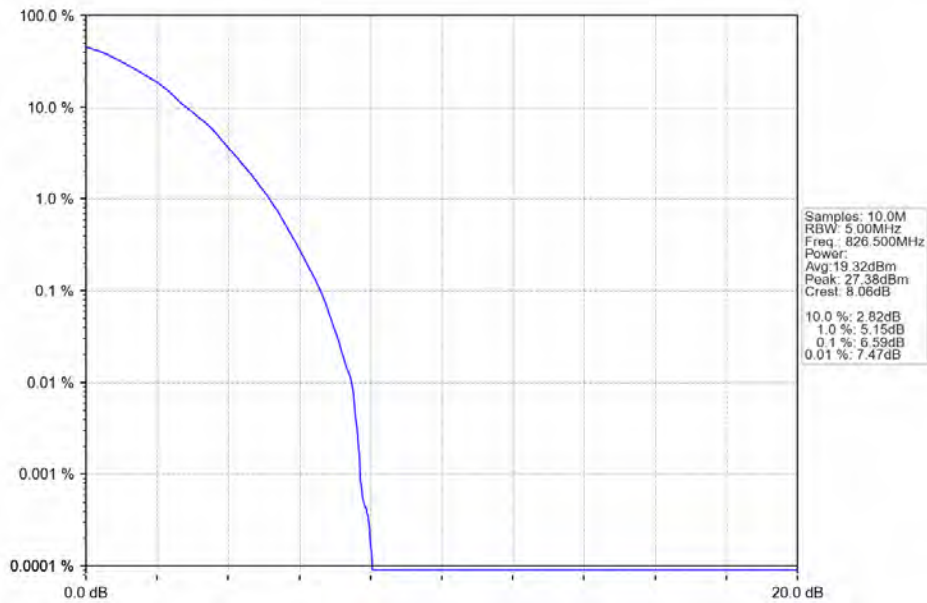
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n5 15kHz SISO NTN 5MHz DFT-s-OFDM 16 QAM 846.5MHz Outer Full



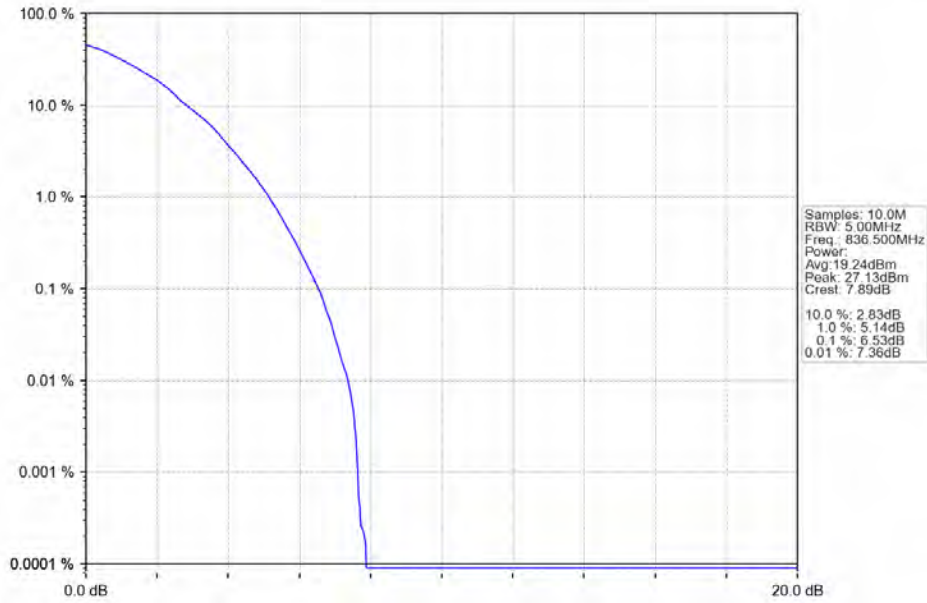
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n5 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 826.5MHz Outer Full



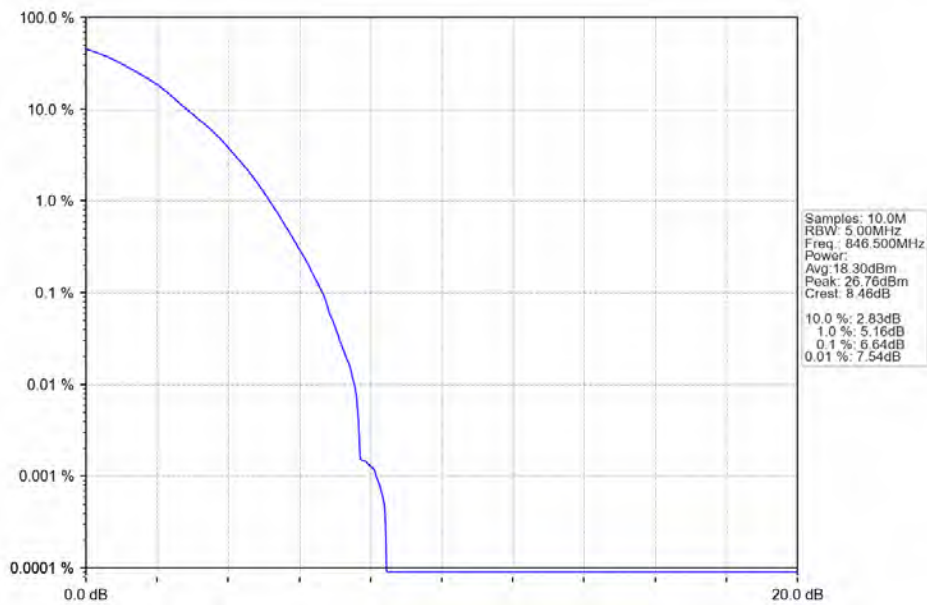
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n5 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full



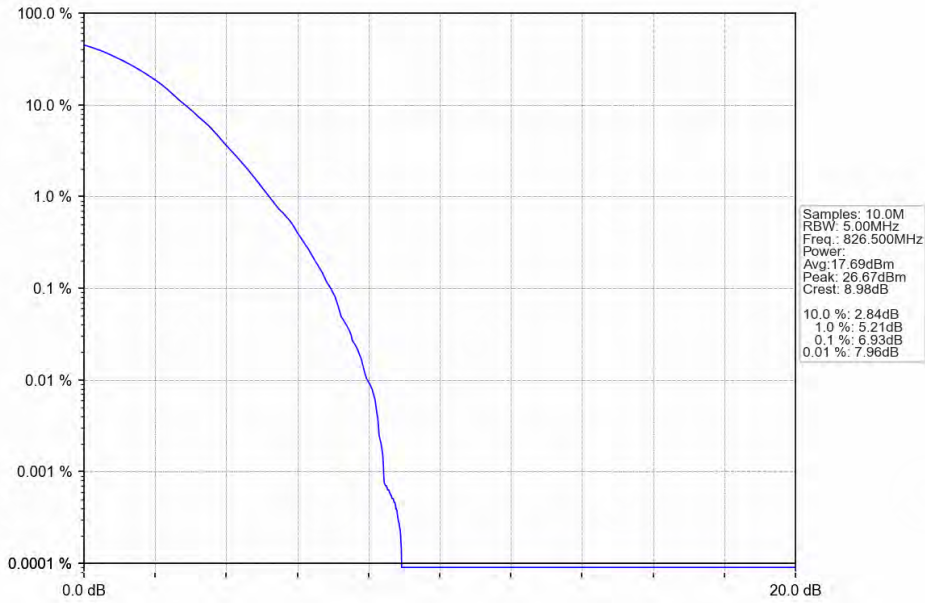
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n5 15kHz SISO NTN 5MHz DFT-s-OFDM 64 QAM 846.5MHz Outer Full



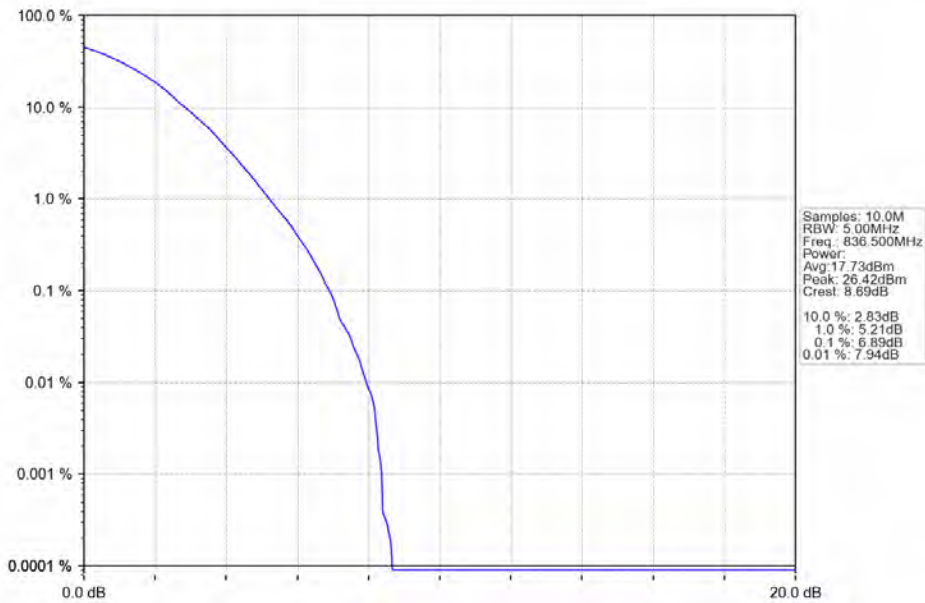
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n5 15kHz SISO NTV 5MHz DFT-s-OFDM 256 QAM 826.5MHz Outer Full



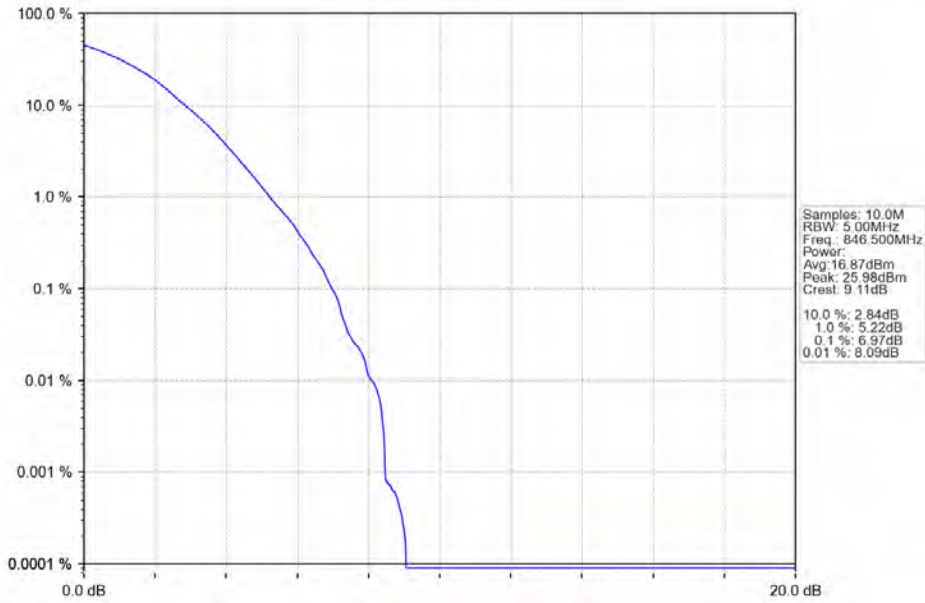
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n5 15kHz SISO NTV 5MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full



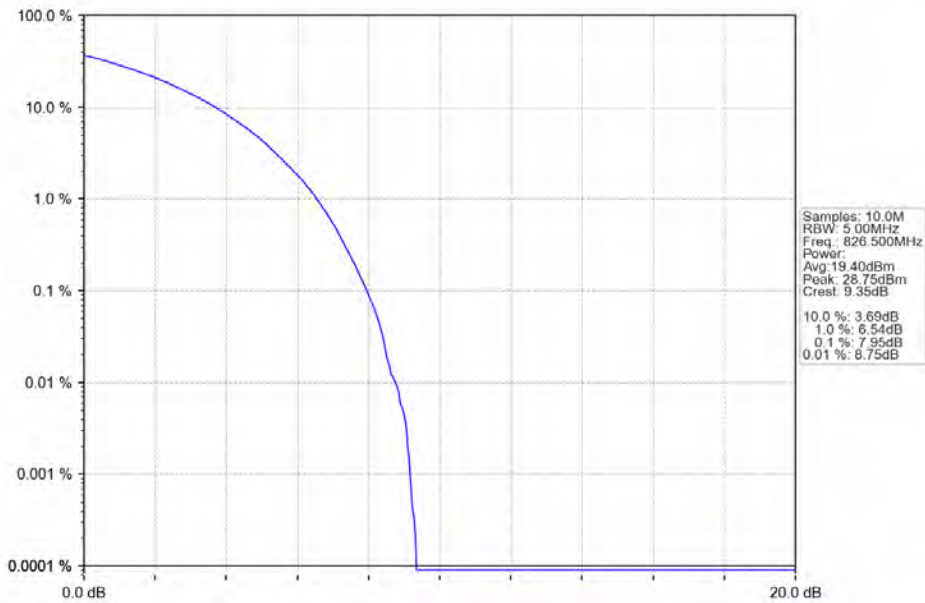
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n5 15kHz SISO NTN 5MHz DFT-s-OFDM 256 QAM 846.5MHz Outer Full



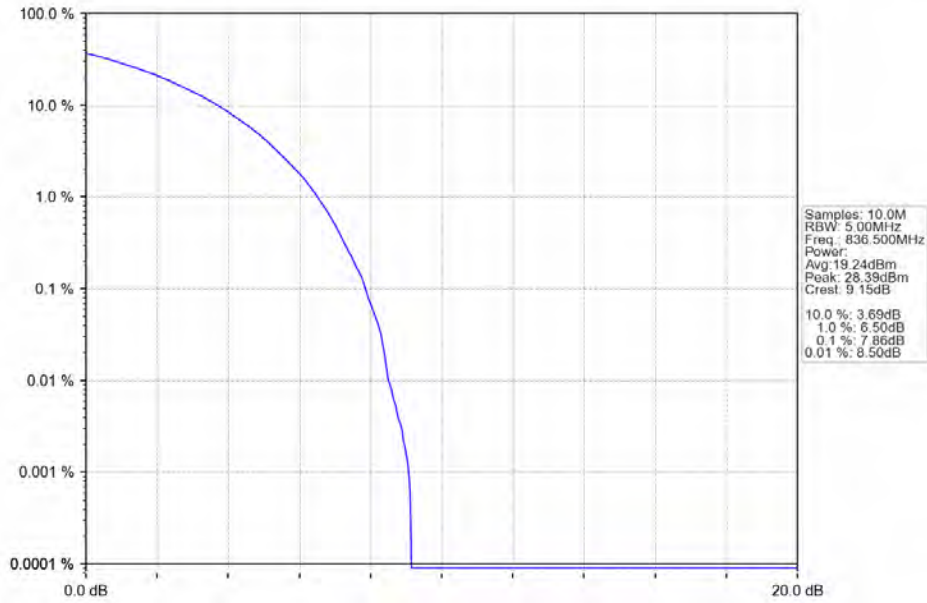
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n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 826.5MHz Outer Full



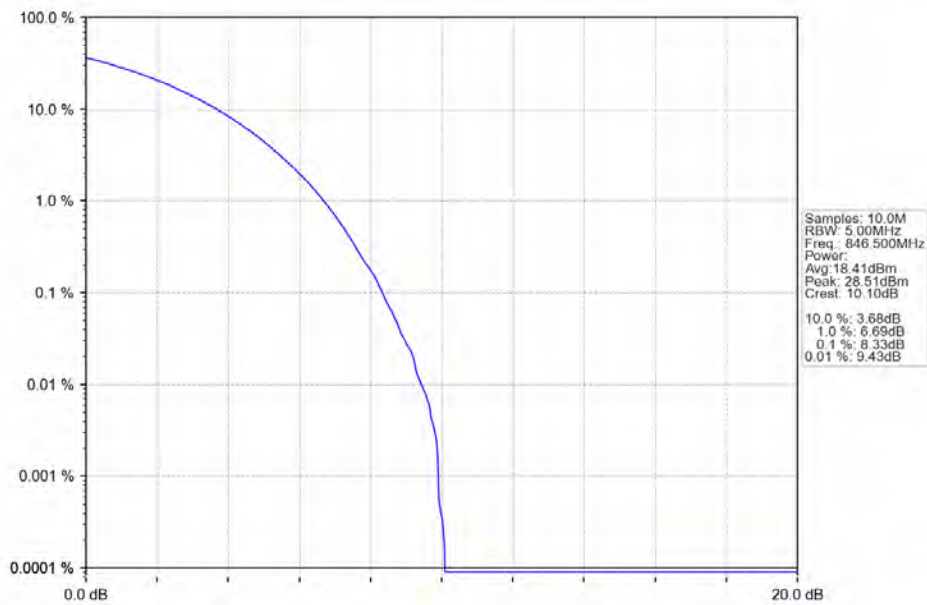
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n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 836.5MHz Outer Full



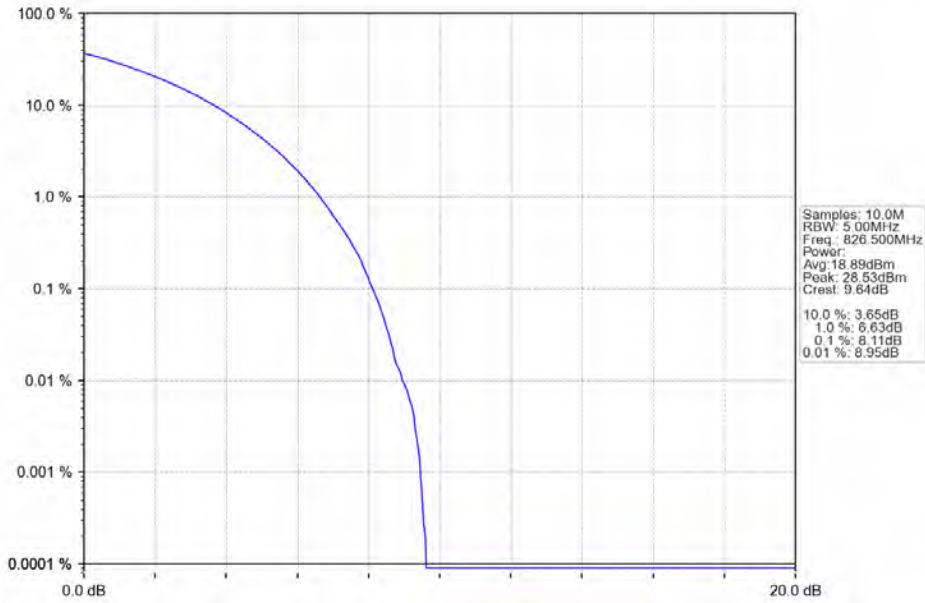
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n5 15kHz SISO NTN 5MHz CP-OFDM QPSK 846.5MHz Outer Full



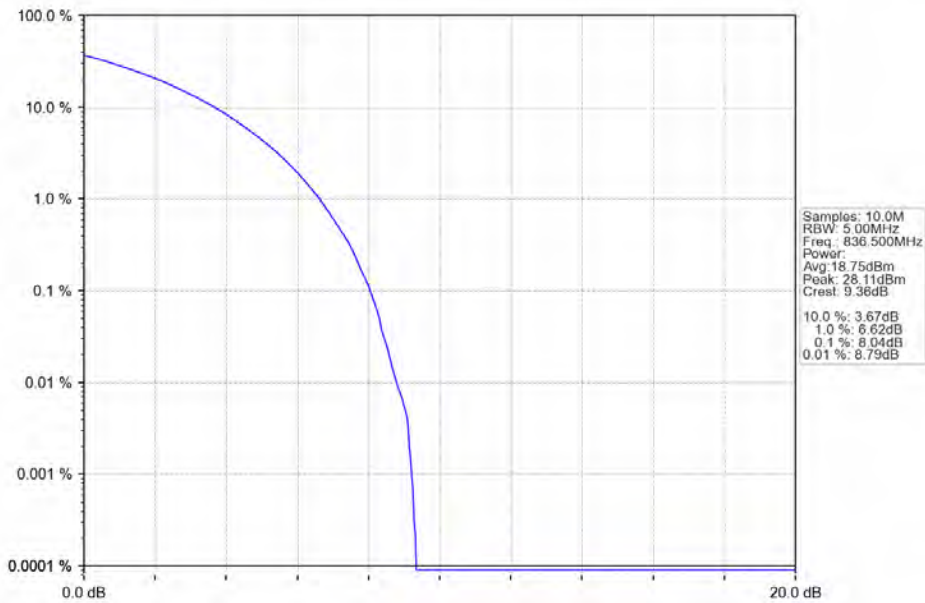
2024-09-10 10:02:21

n5 15kHz SISO NTV 5MHz CP-OFDM 16 QAM 826.5MHz Outer Full



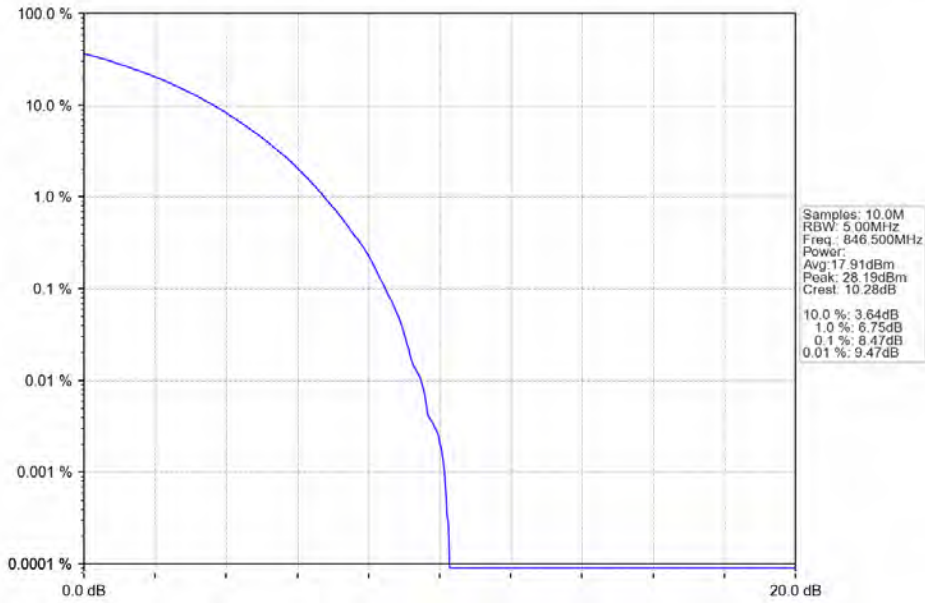
2024-09-10 09:29:03

n5 15kHz SISO NTV 5MHz CP-OFDM 16 QAM 836.5MHz Outer Full



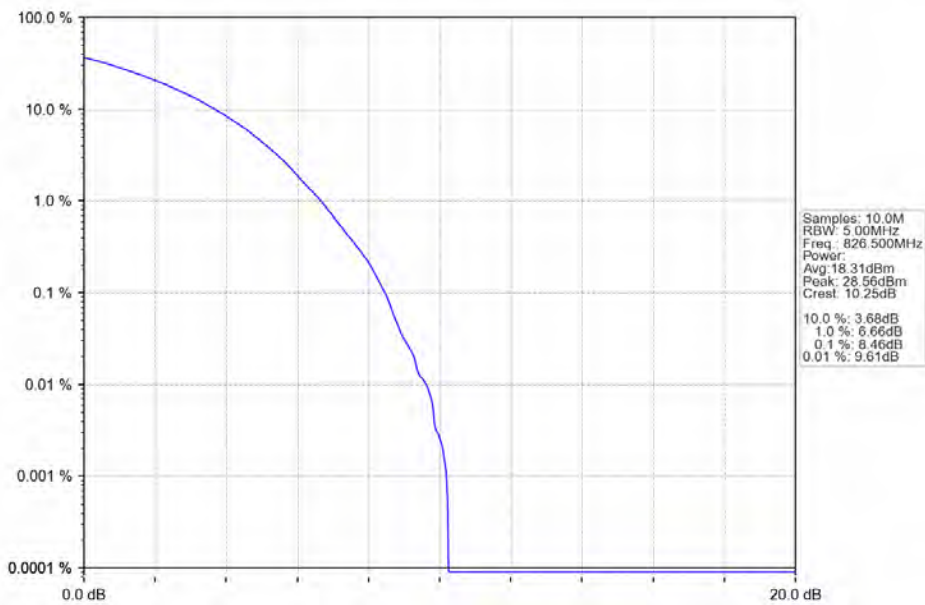
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n5 15kHz SISO NTV 5MHz CP-OFDM 16 QAM 846.5MHz Outer Full



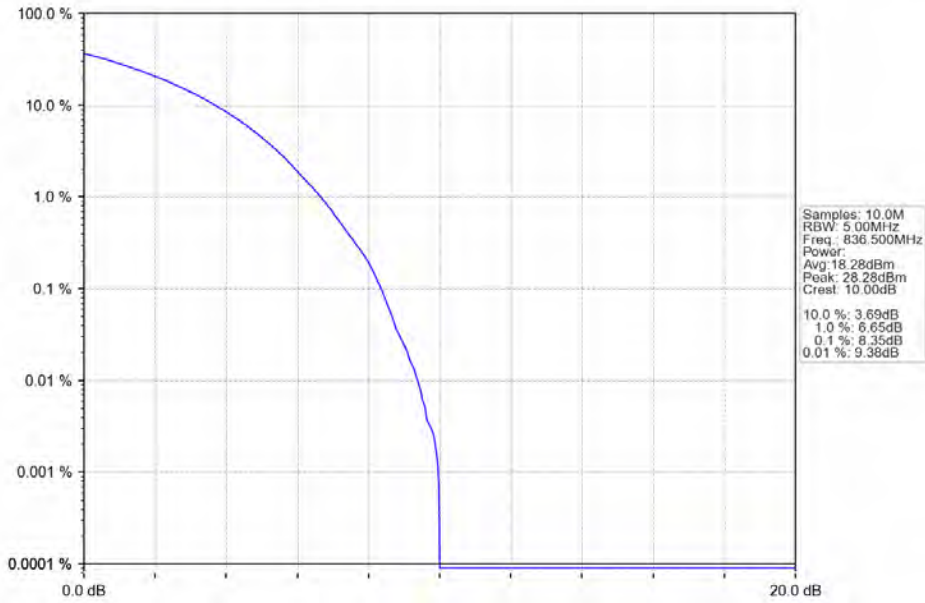
2024-09-10 10:04:57

n5 15kHz SISO NTV 5MHz CP-OFDM 64 QAM 826.5MHz Outer Full



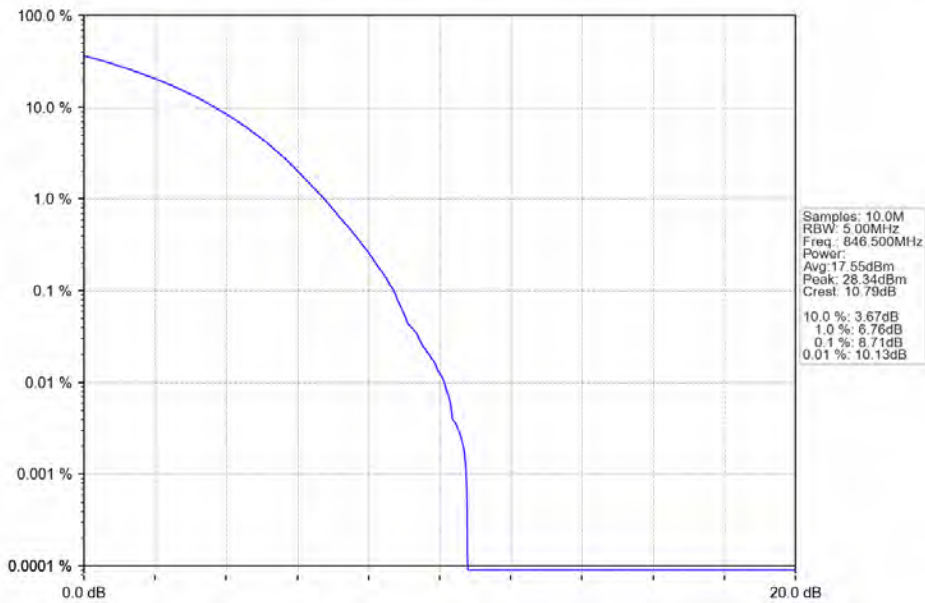
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n5 15kHz SISO NTV 5MHz CP-OFDM 64 QAM 836.5MHz Outer Full



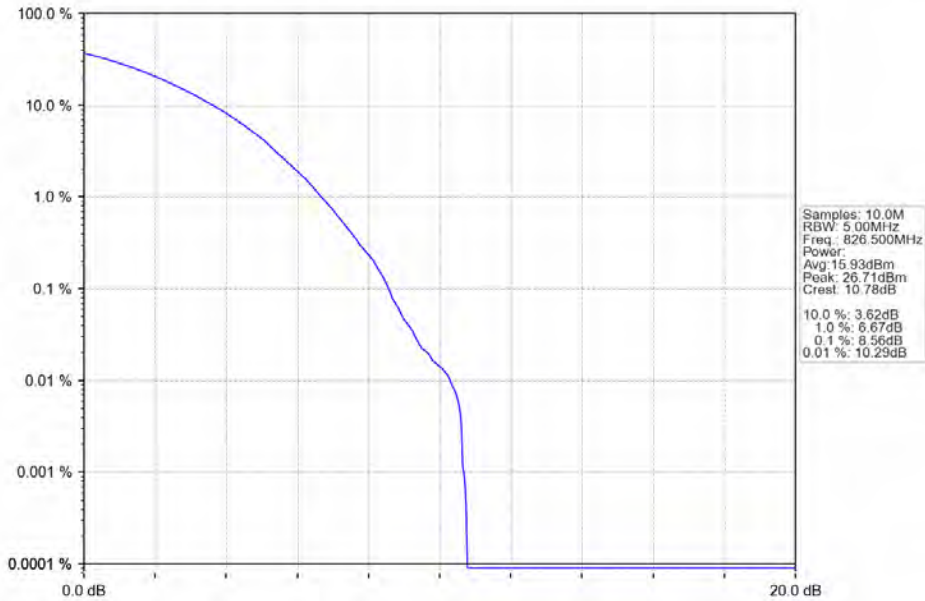
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n5 15kHz SISO NTV 5MHz CP-OFDM 64 QAM 846.5MHz Outer Full



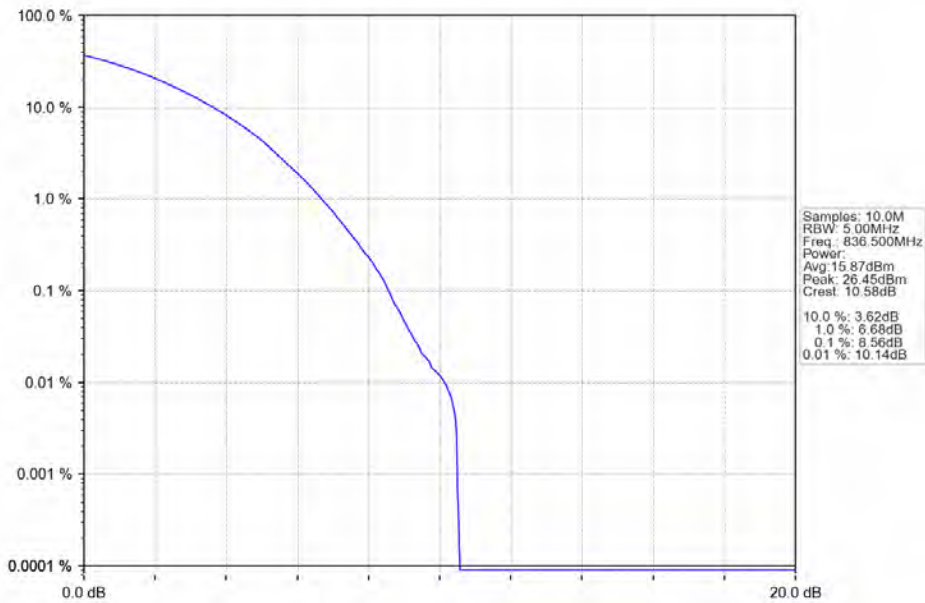
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n5 15kHz SISO NTV 5MHz CP-OFDM 256 QAM 826.5MHz Outer Full



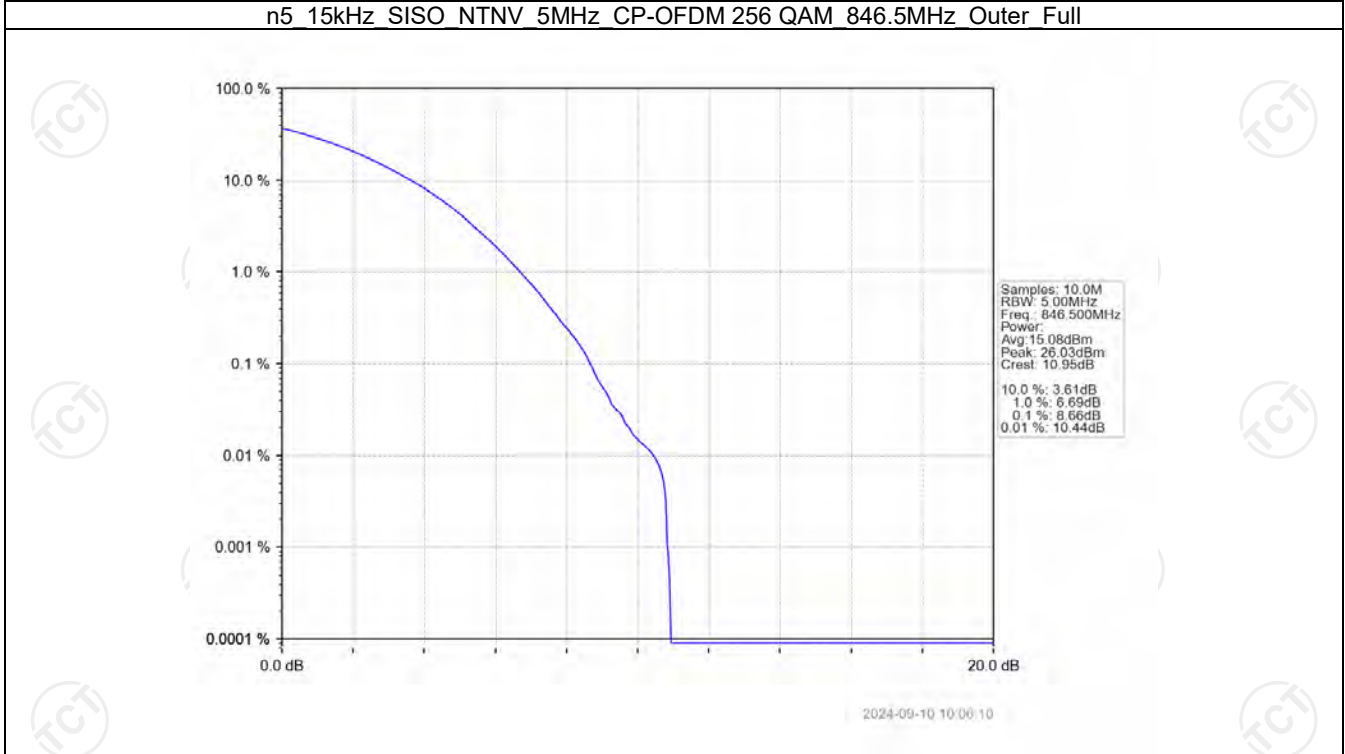
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n5 15kHz SISO NTV 5MHz CP-OFDM 256 QAM 836.5MHz Outer Full

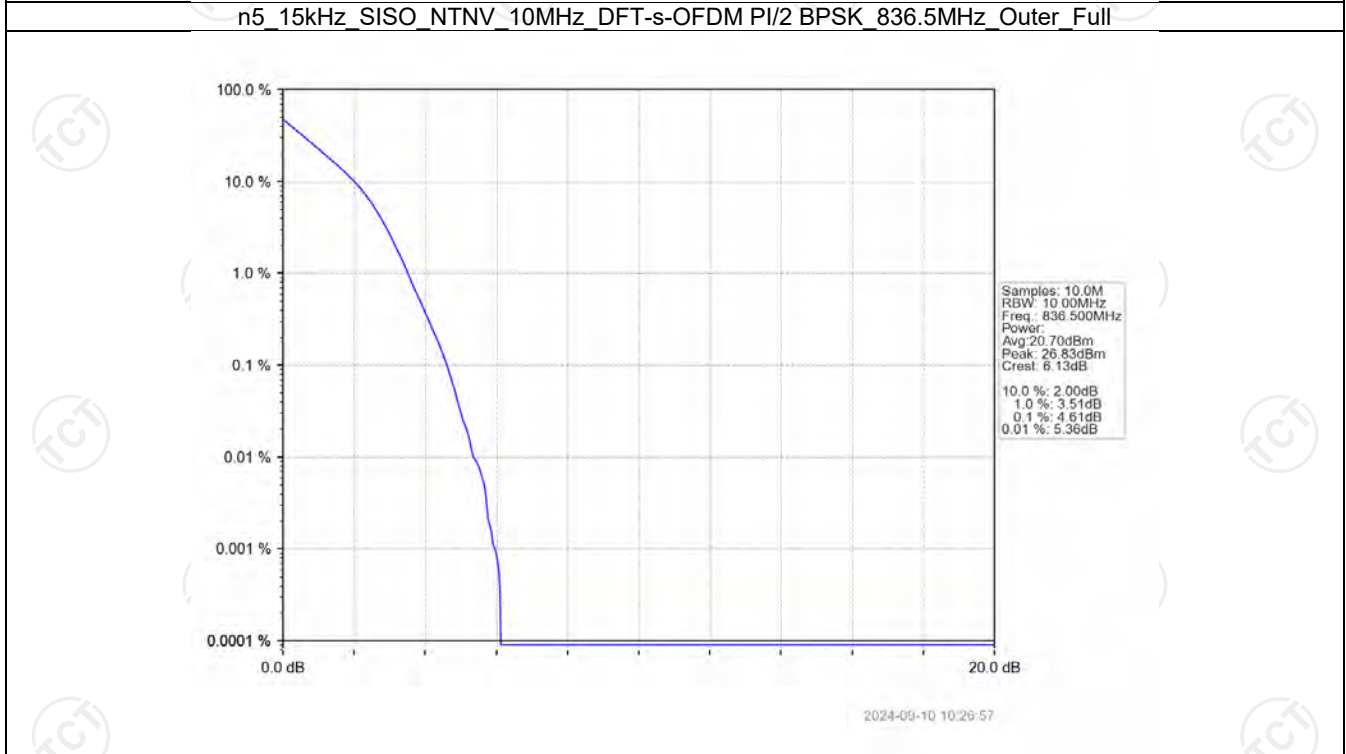
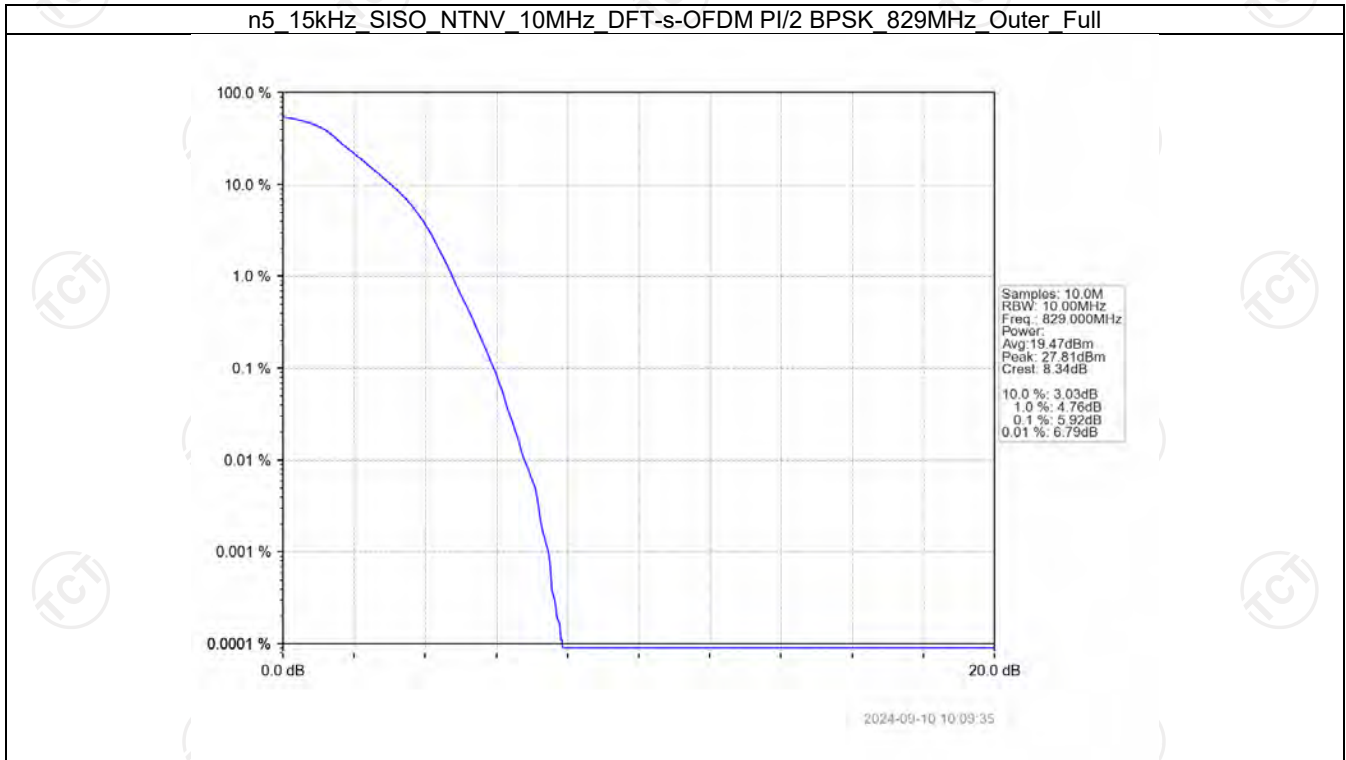


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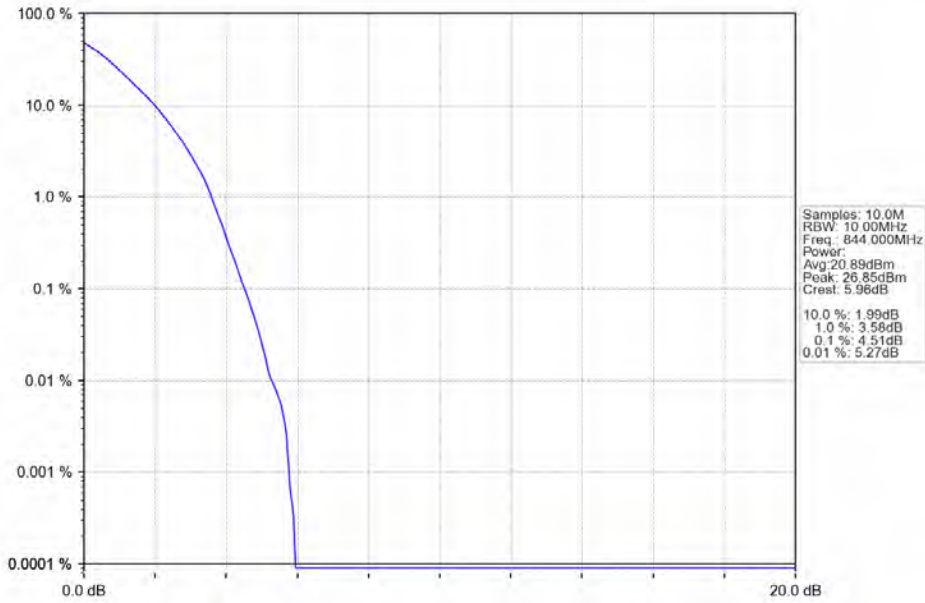
n5 15kHz SISO NTV 5MHz CP-OFDM 256 QAM 846.5MHz Outer Full



5.2.2 15k_SISO_10MHz_NTNV

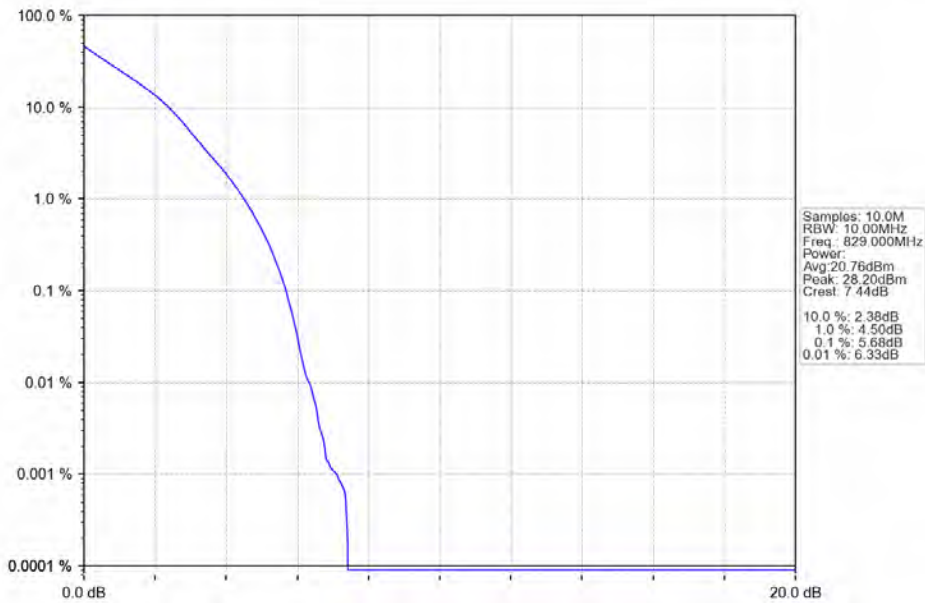


n5 15kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 844MHz Outer Full



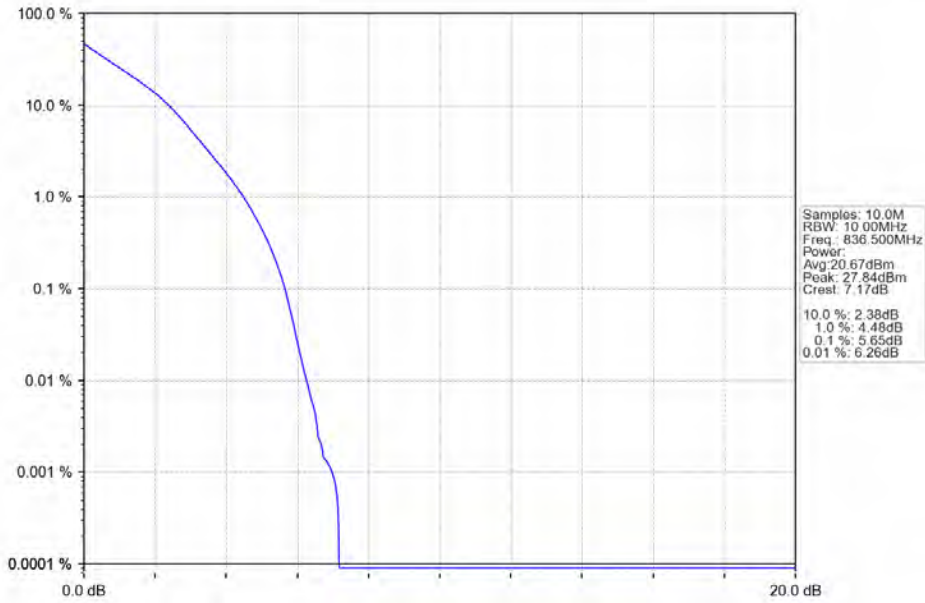
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n5 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 829MHz Outer Full



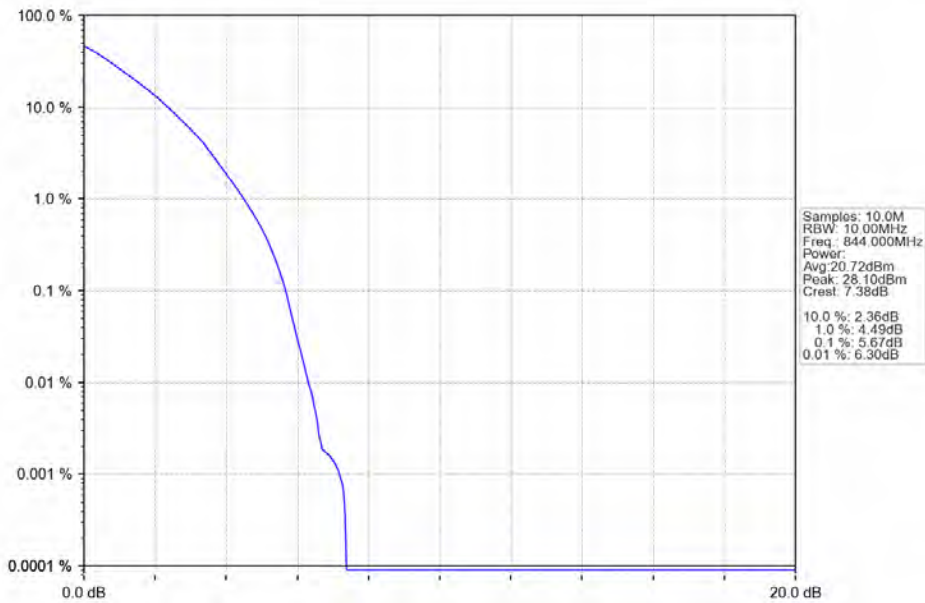
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n5 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 836.5MHz Outer Full



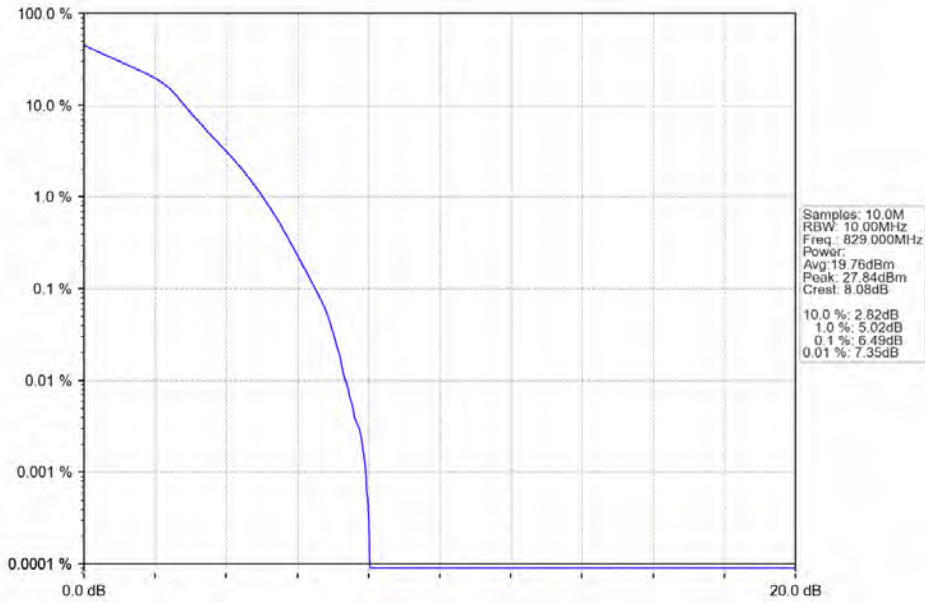
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n5 15kHz SISO NTN 10MHz DFT-s-OFDM QPSK 844MHz Outer Full



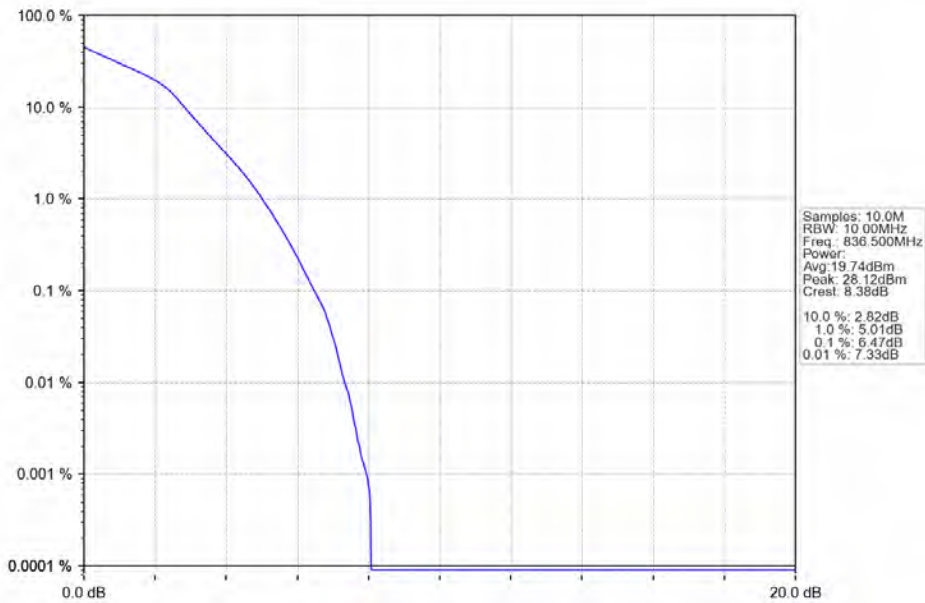
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n5 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 829MHz Outer Full



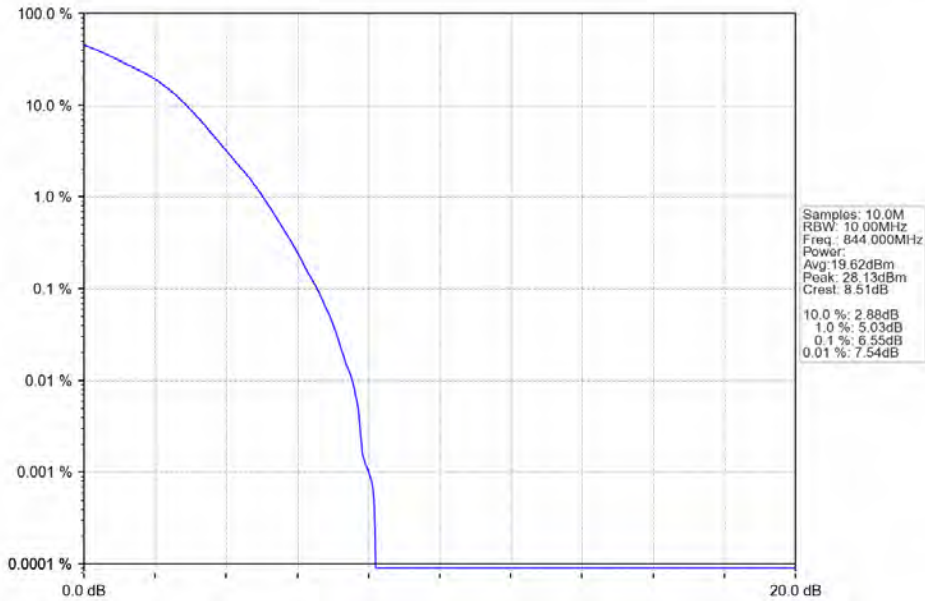
2024-09-10 10:16:16

n5 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full



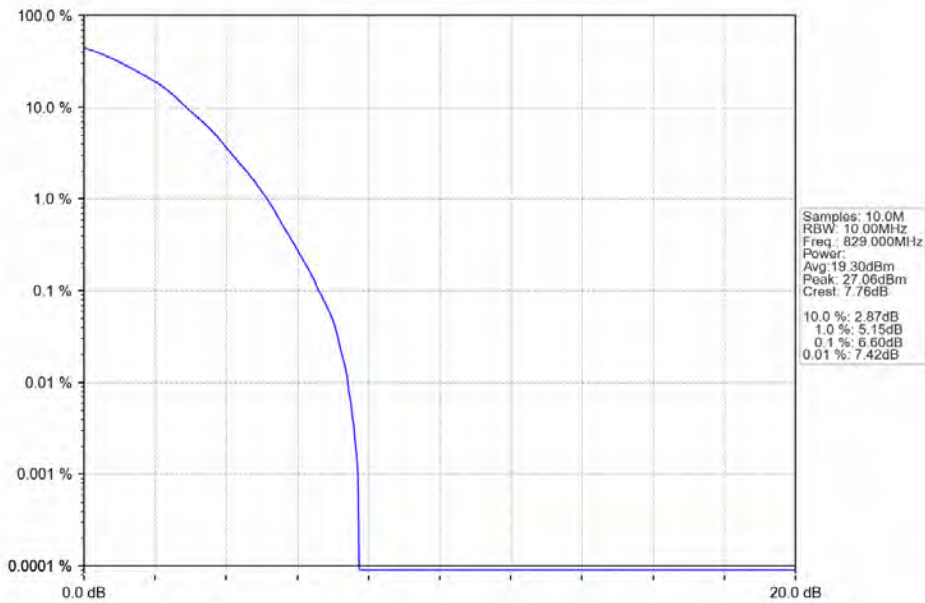
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n5 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 844MHz Outer Full



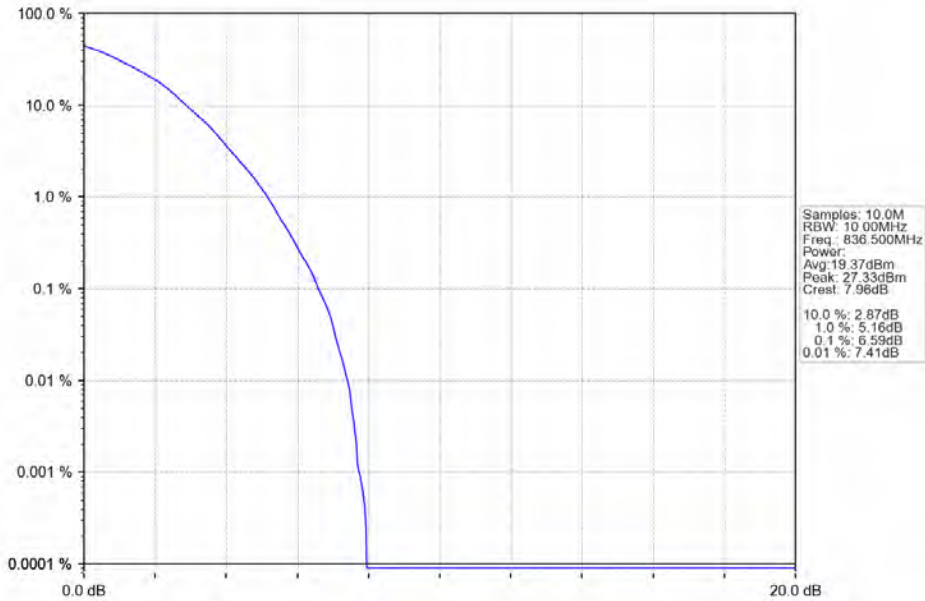
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n5 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 829MHz Outer Full



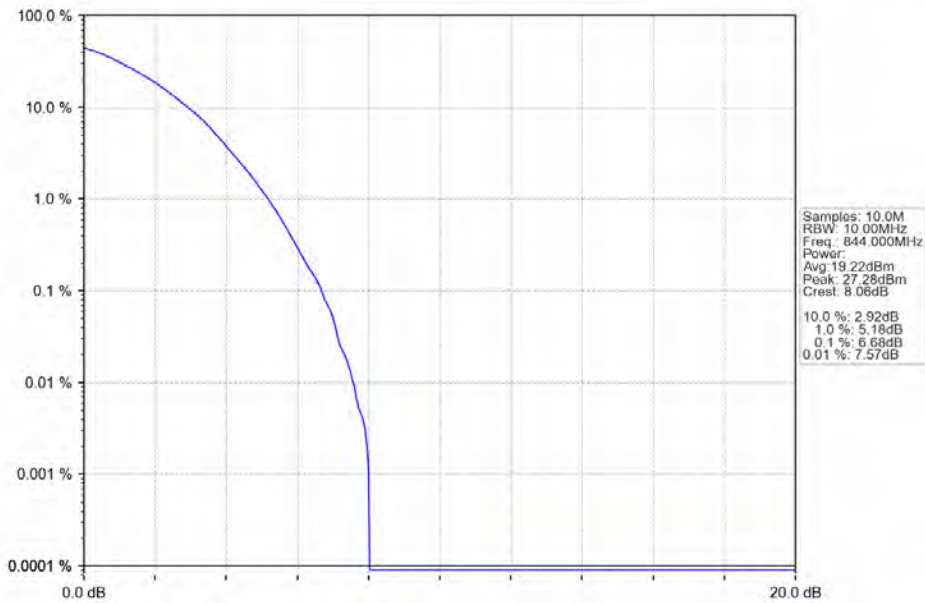
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n5 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full



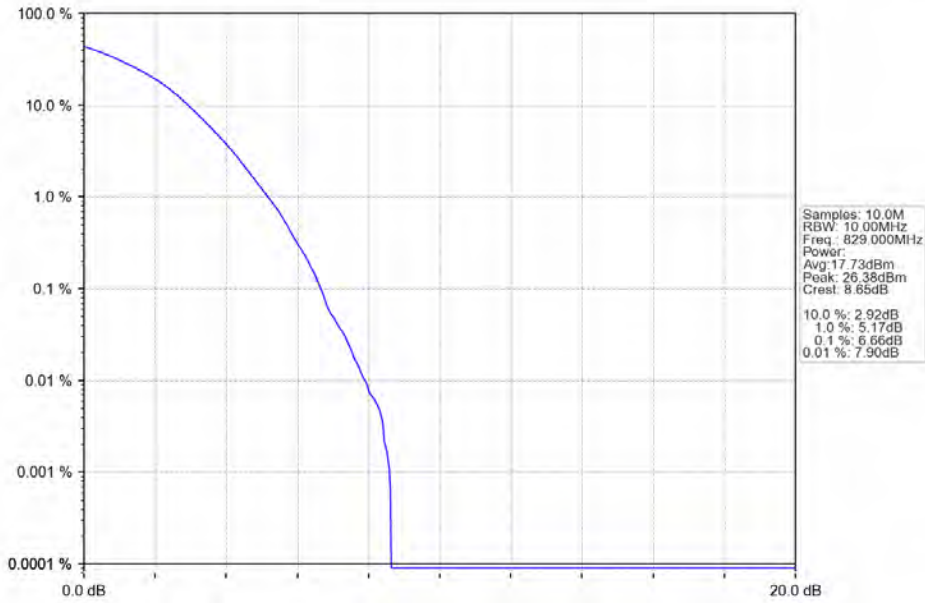
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n5 15kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 844MHz Outer Full



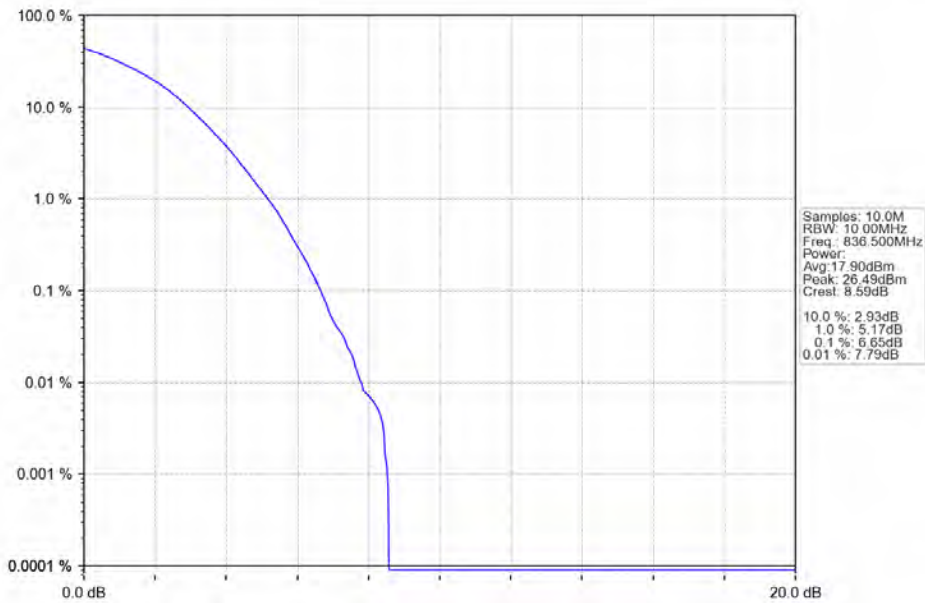
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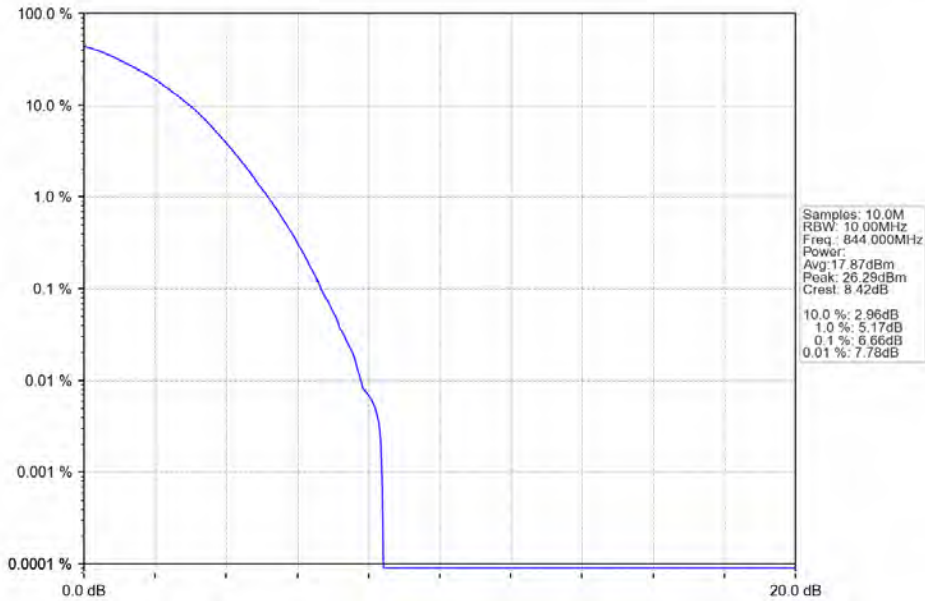
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n5 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full



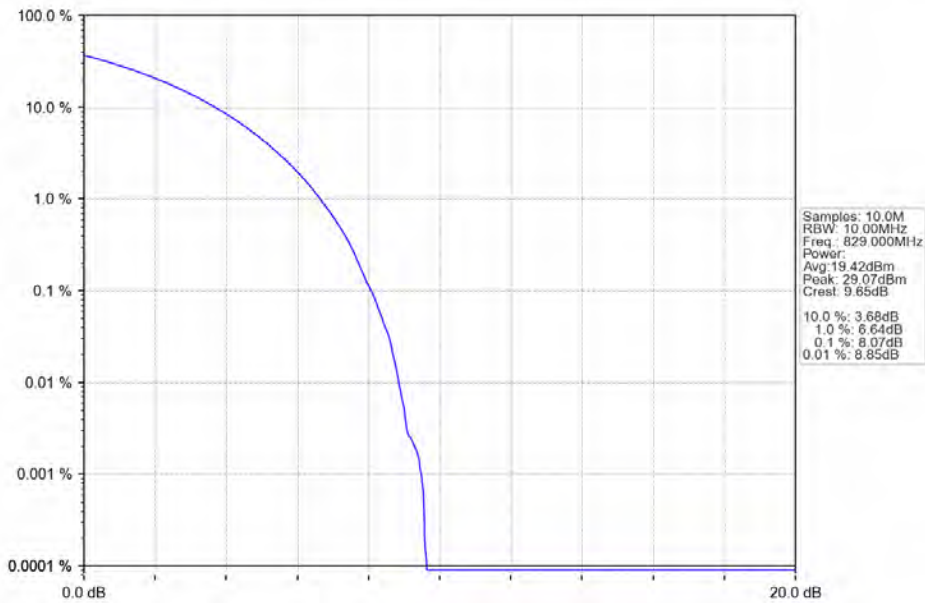
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n5 15kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 844MHz Outer Full



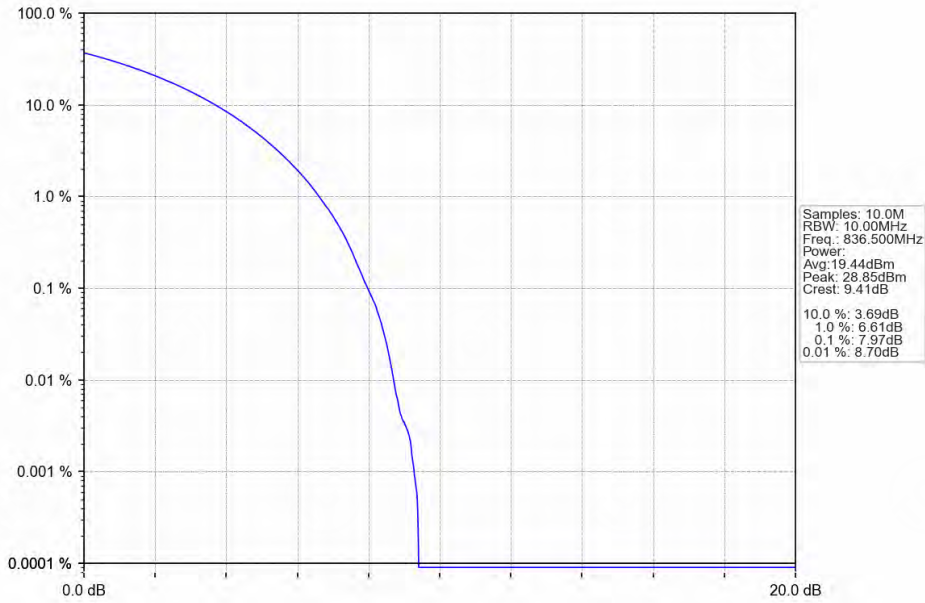
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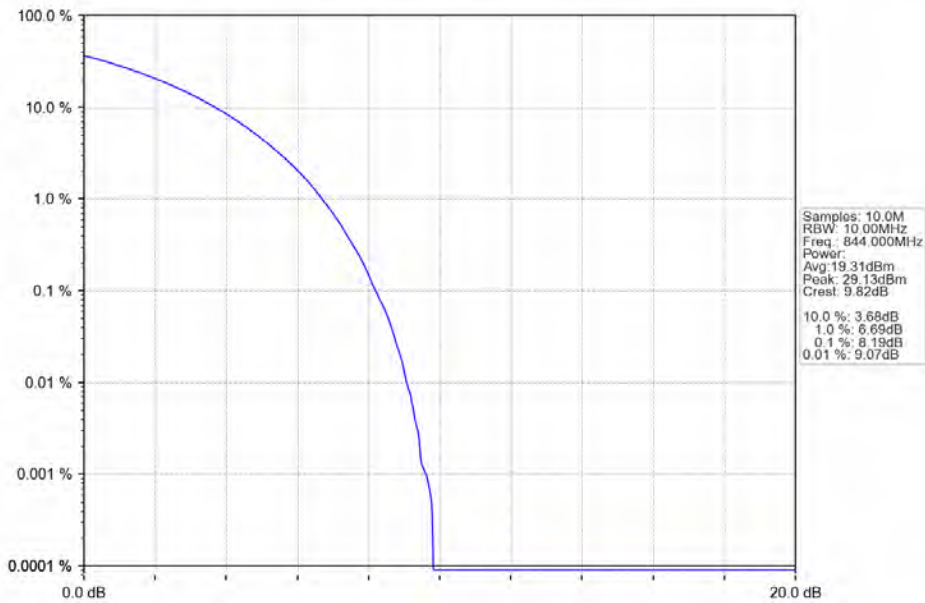
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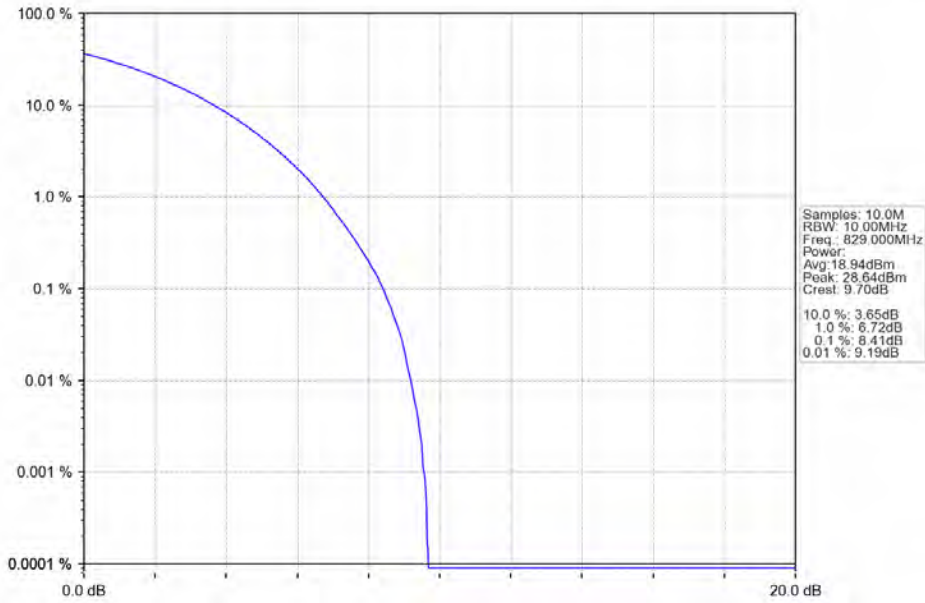
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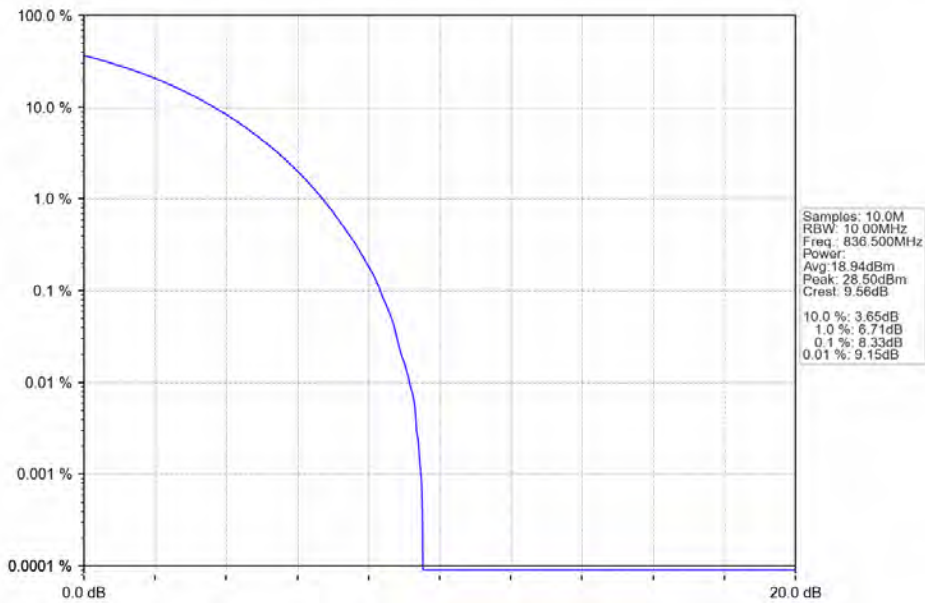
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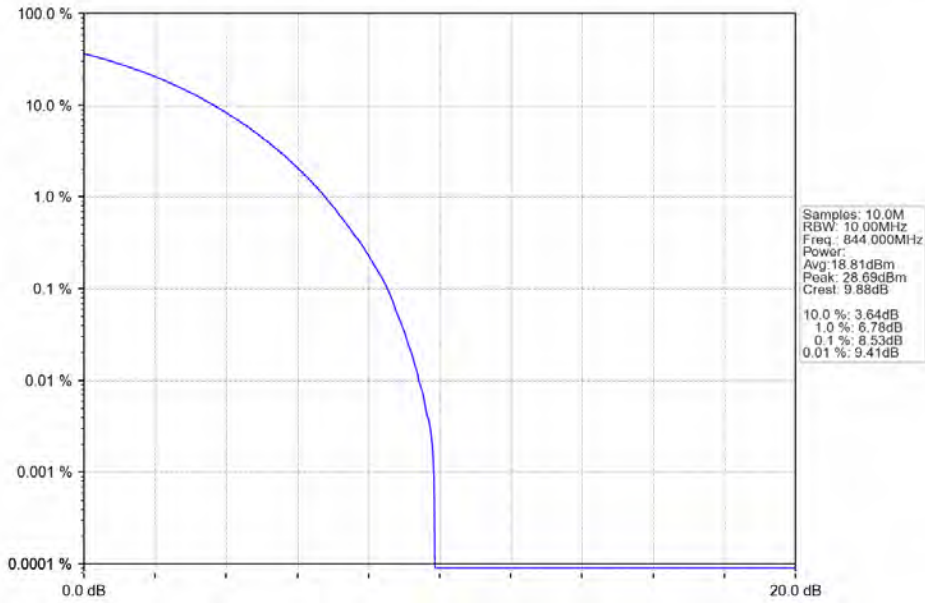
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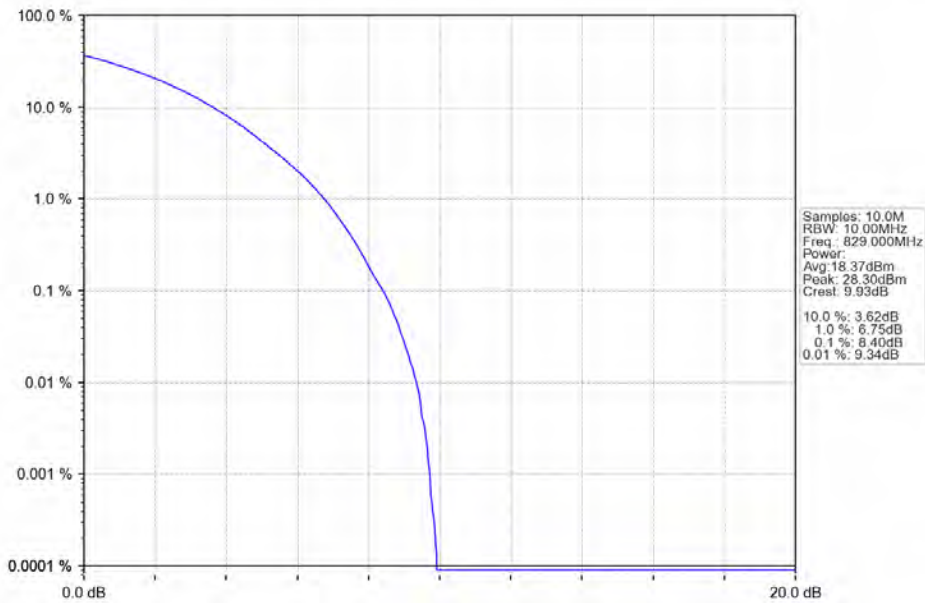
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n5 15kHz SISO NTN 10MHz CP-OFDM 16 QAM 844MHz Outer Full



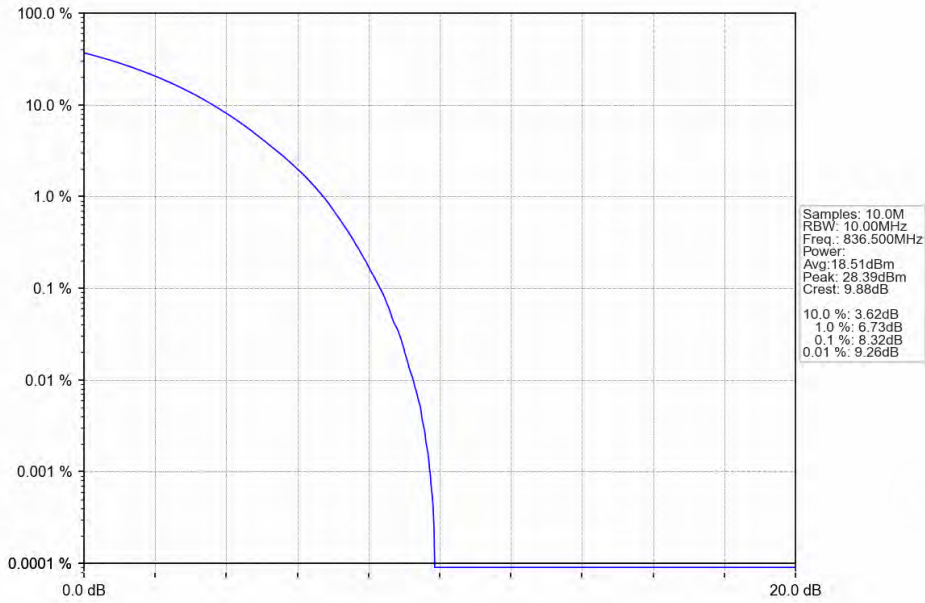
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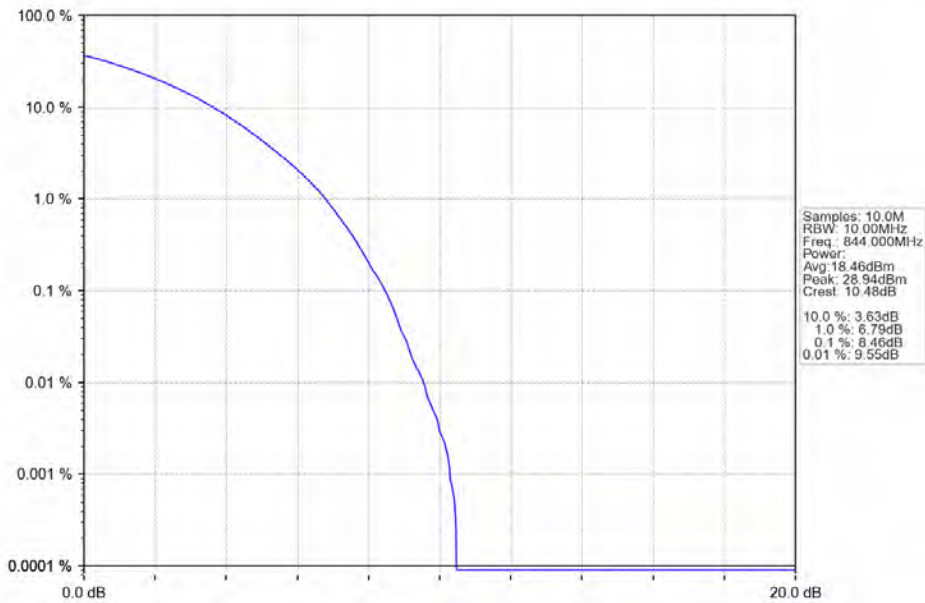
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n5 15kHz SISO NTV 10MHz CP-OFDM 64 QAM 836.5MHz Outer Full



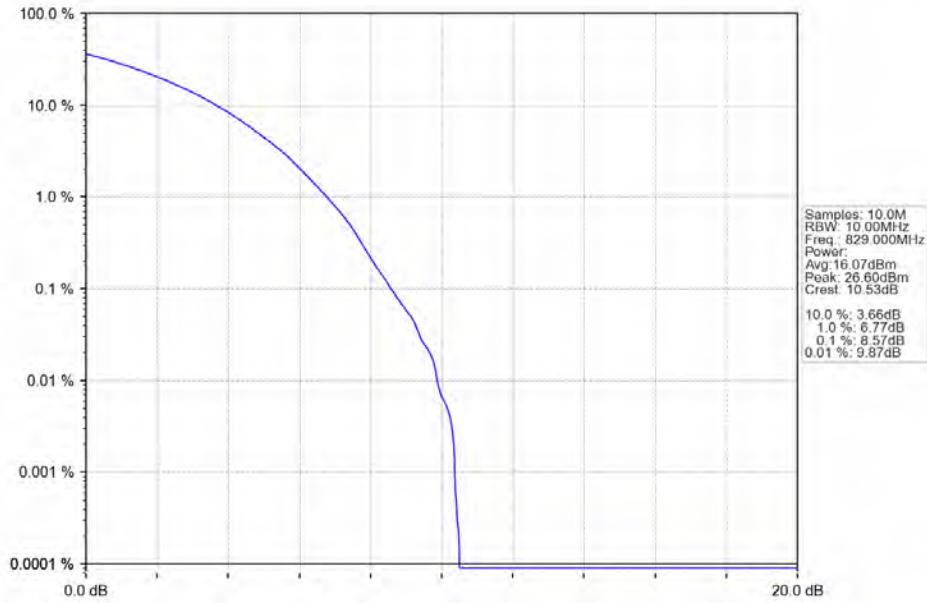
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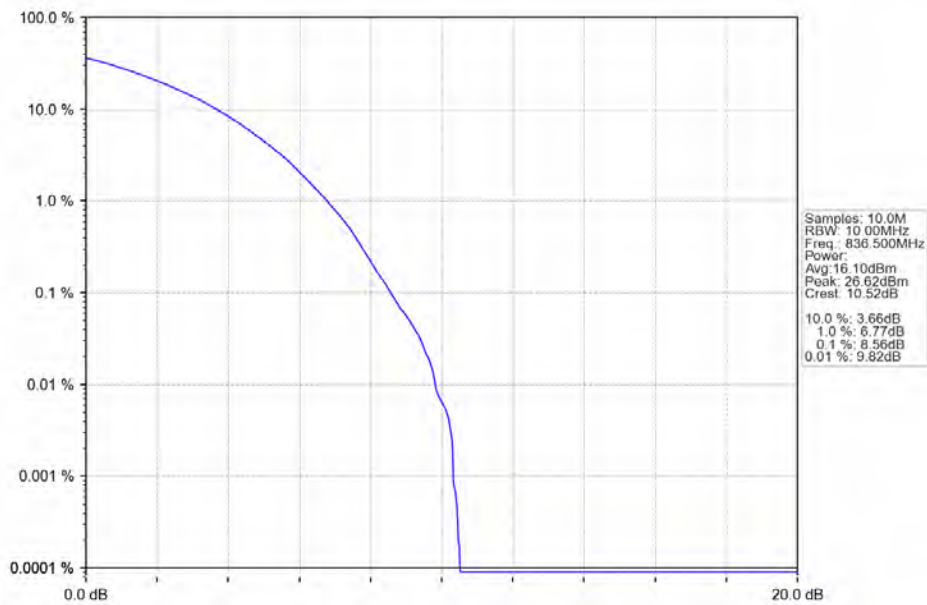
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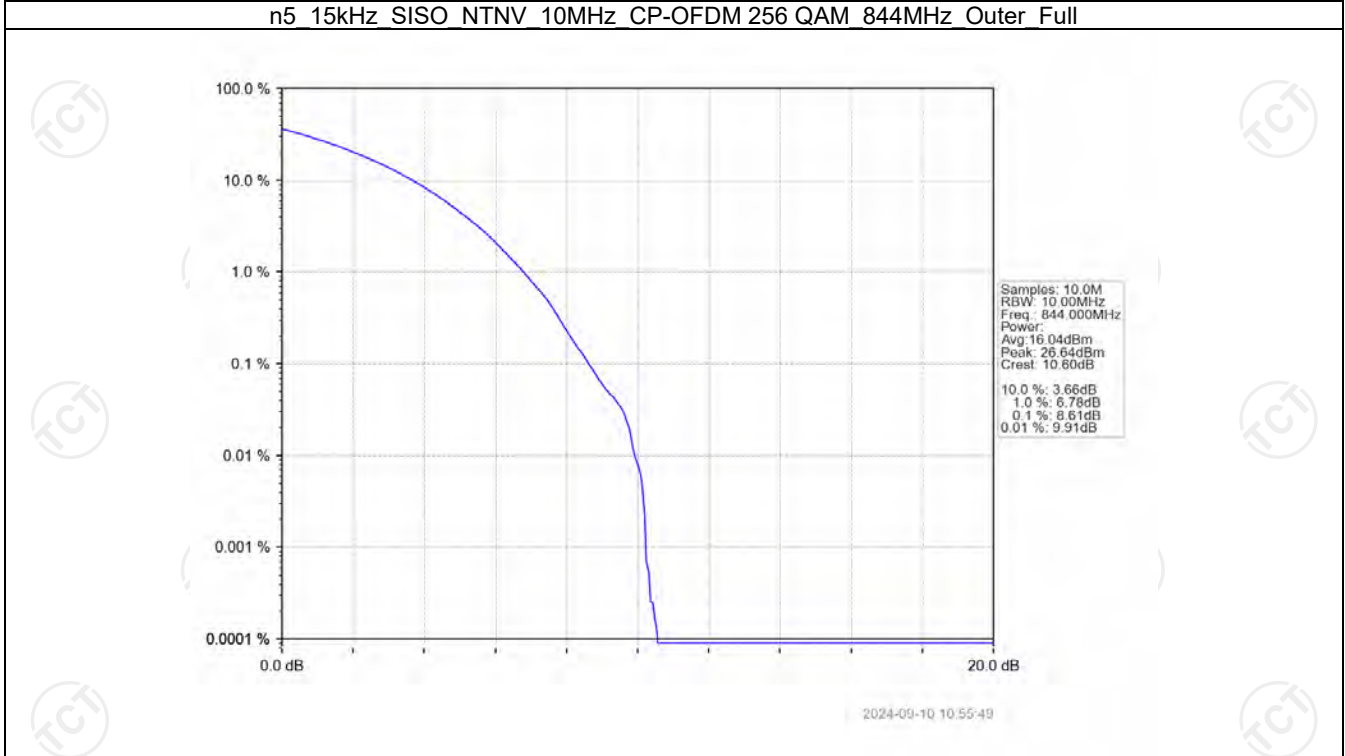
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n5 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 836.5MHz Outer Full

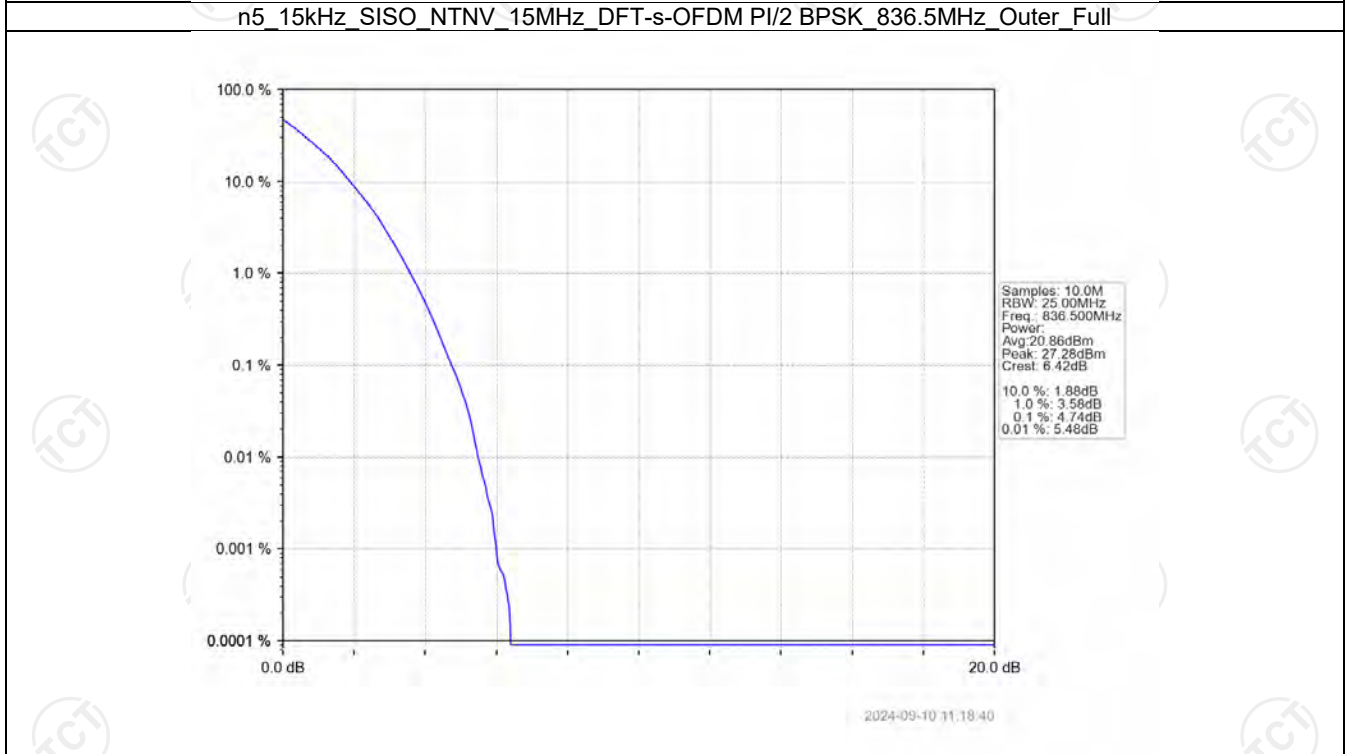
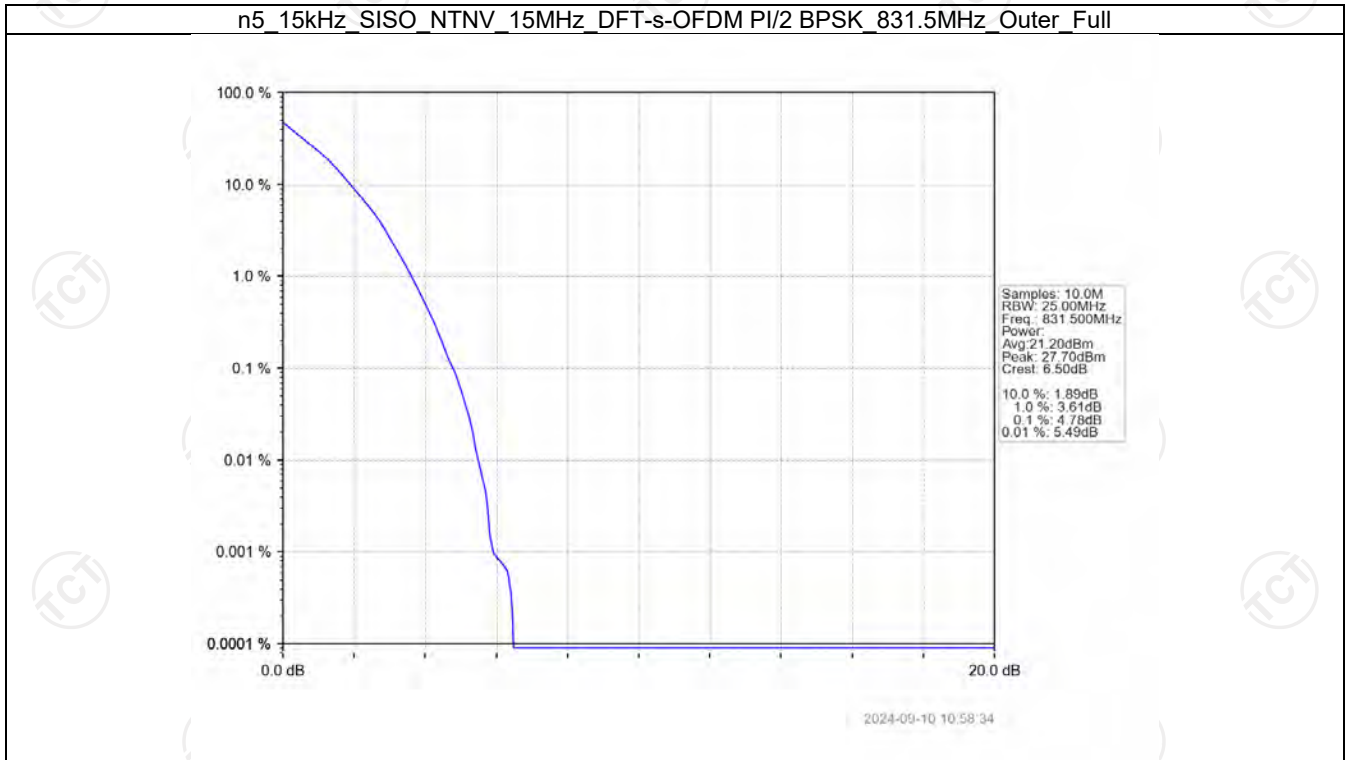


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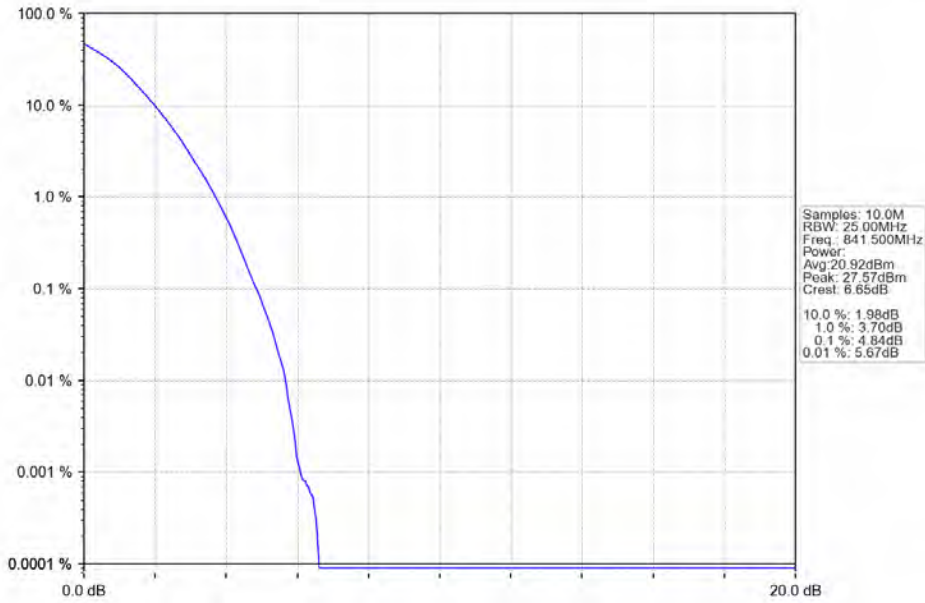
n5 15kHz SISO NTV 10MHz CP-OFDM 256 QAM 844MHz Outer Full



5.2.3 15k_SISO_15MHz_NTNV

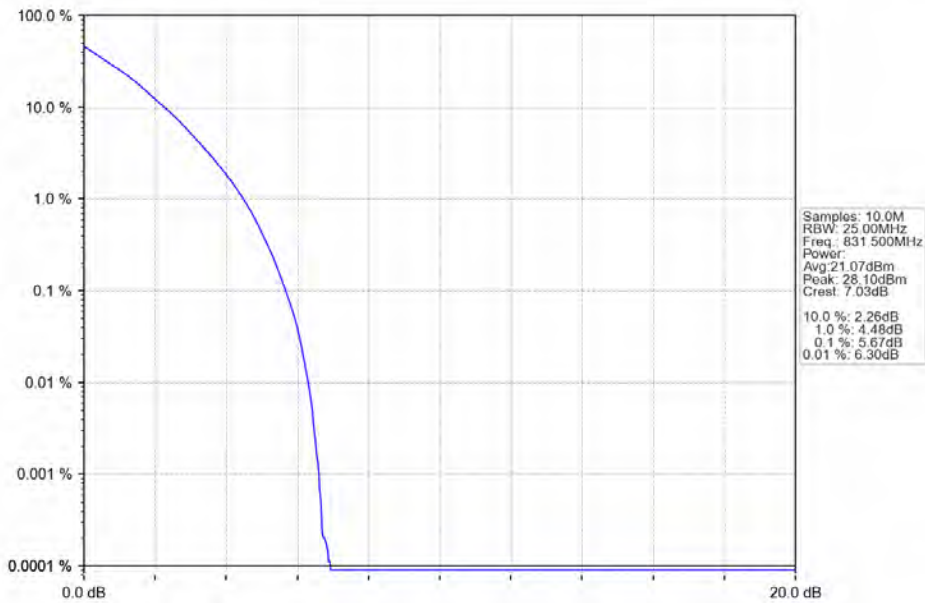


n5 15kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 841.5MHz Outer Full



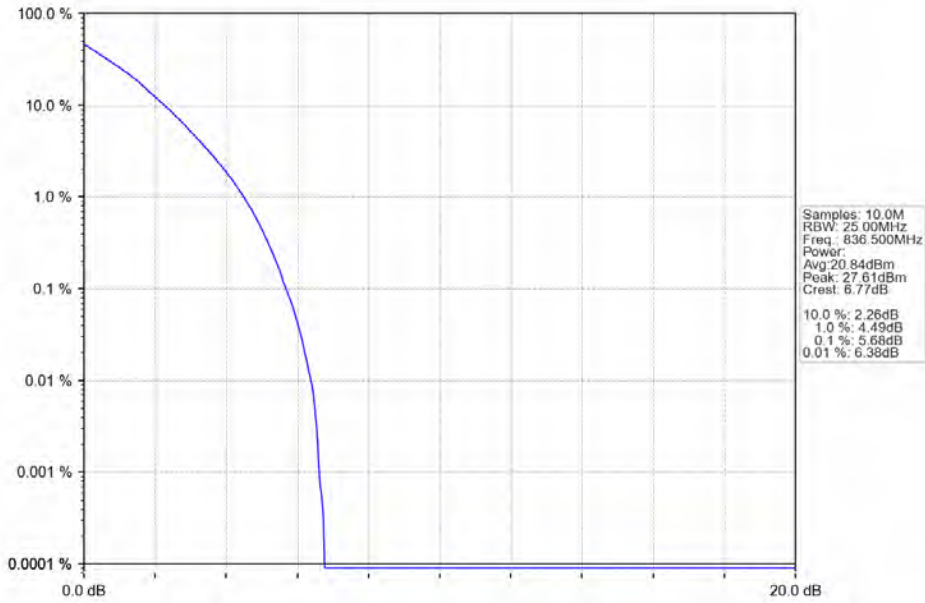
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n5 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 831.5MHz Outer Full



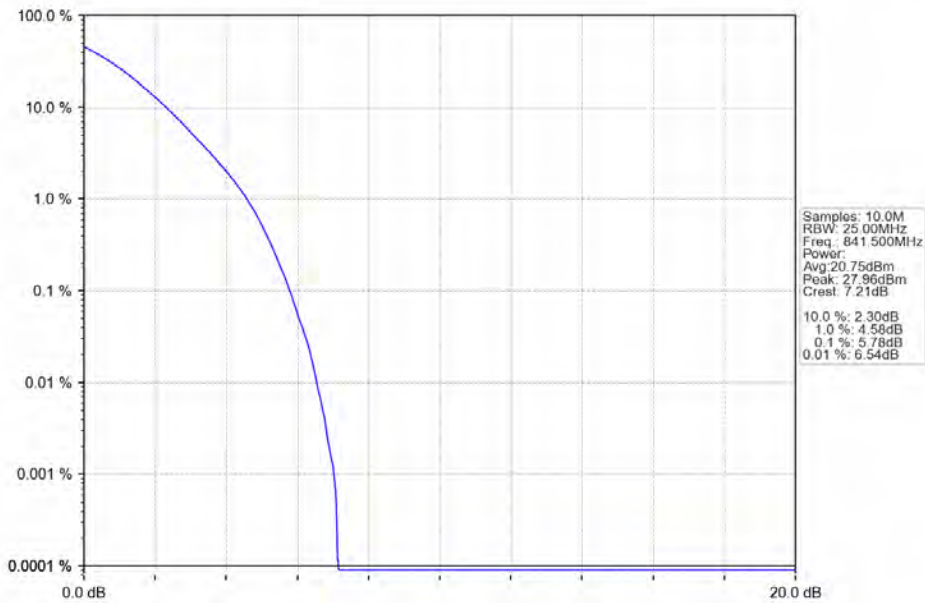
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n5 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 836.5MHz Outer Full



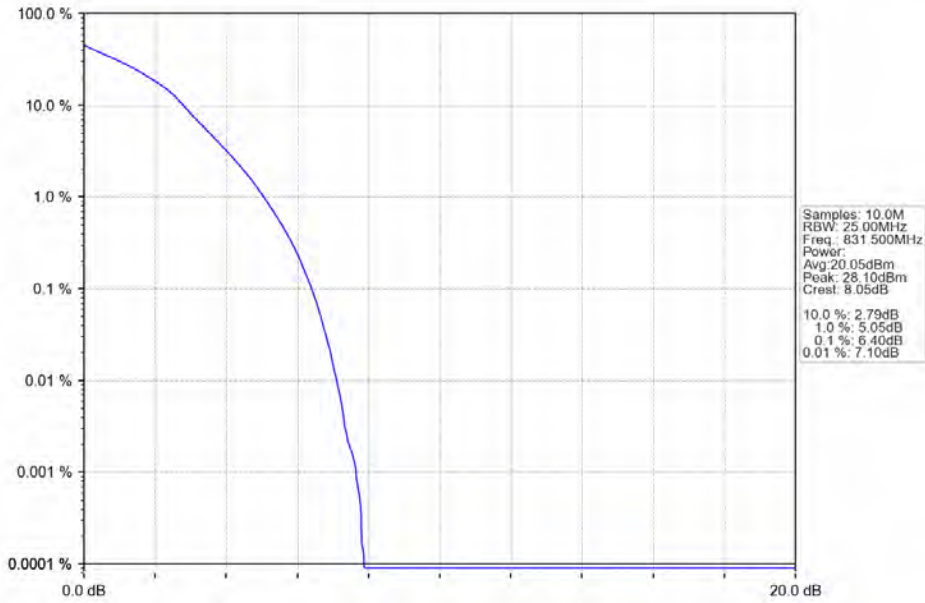
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n5 15kHz SISO NTN 15MHz DFT-s-OFDM QPSK 841.5MHz Outer Full



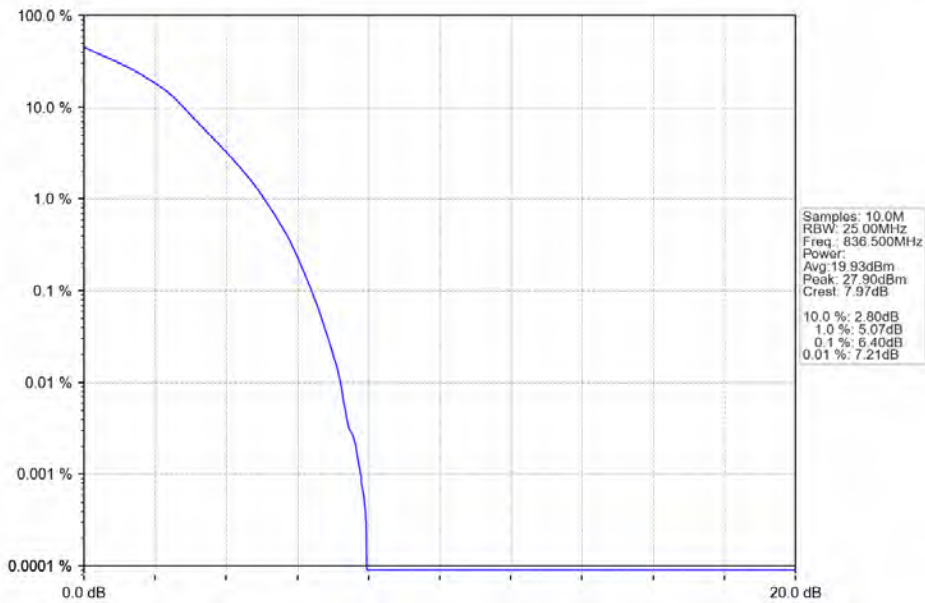
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n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 831.5MHz Outer Full



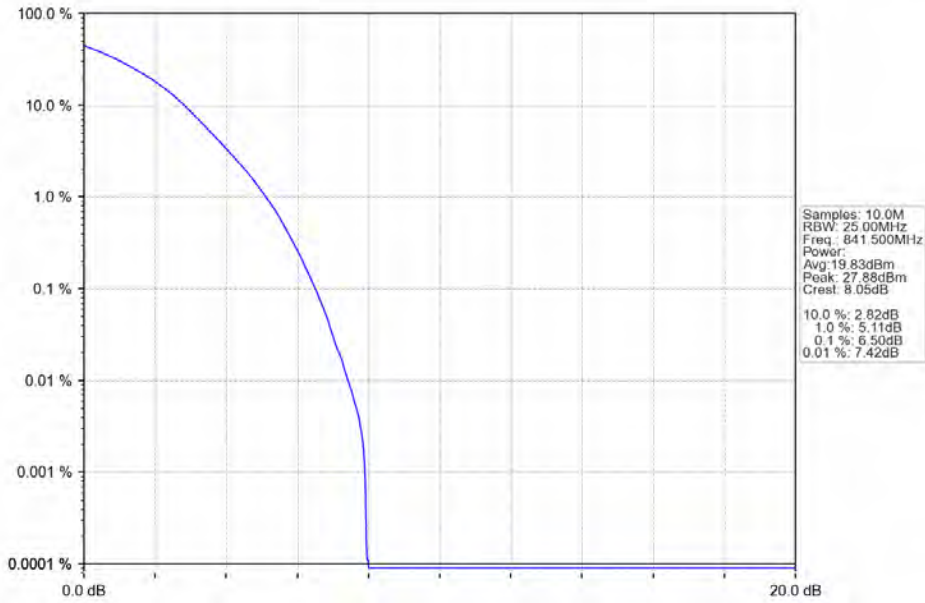
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n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full



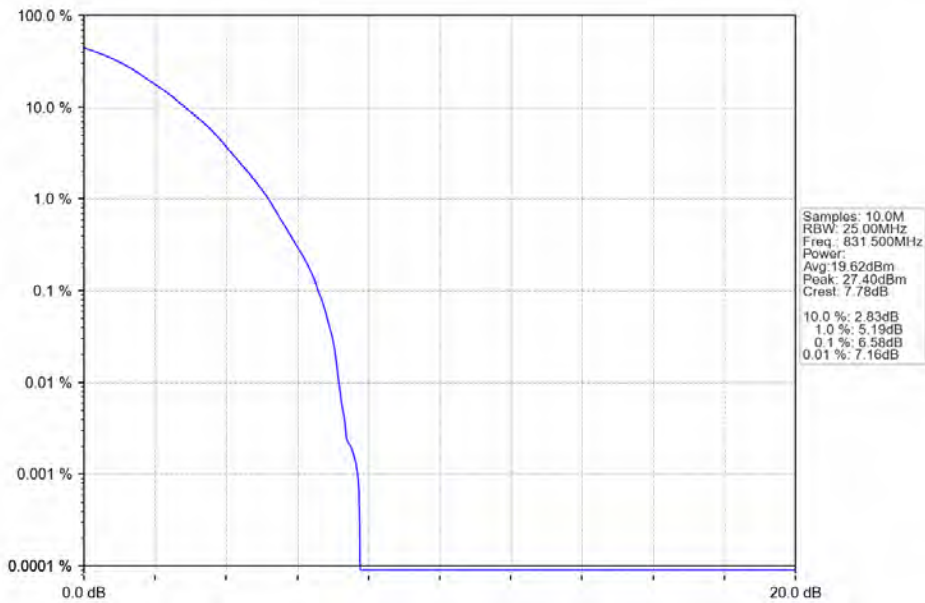
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n5 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 841.5MHz Outer Full



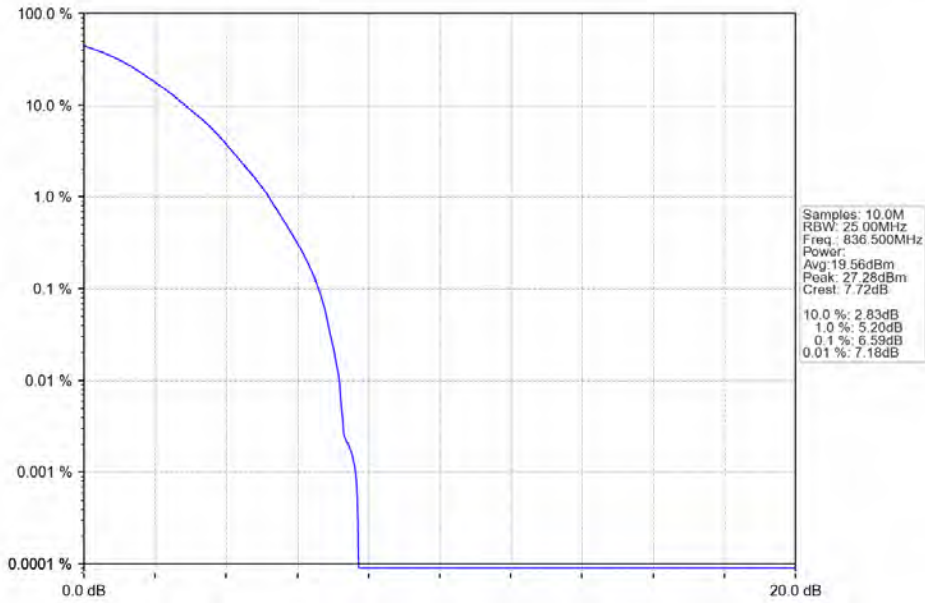
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n5 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 831.5MHz Outer Full



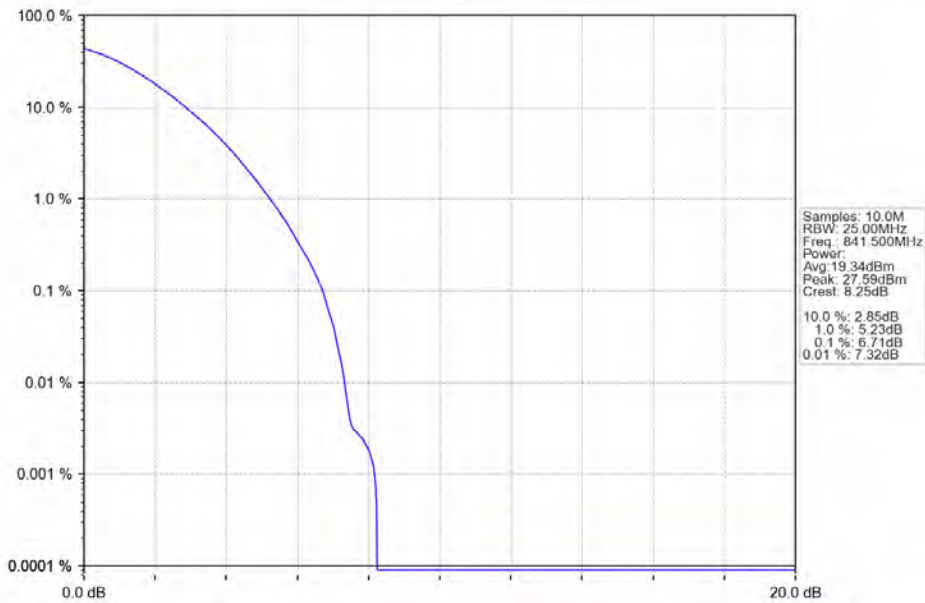
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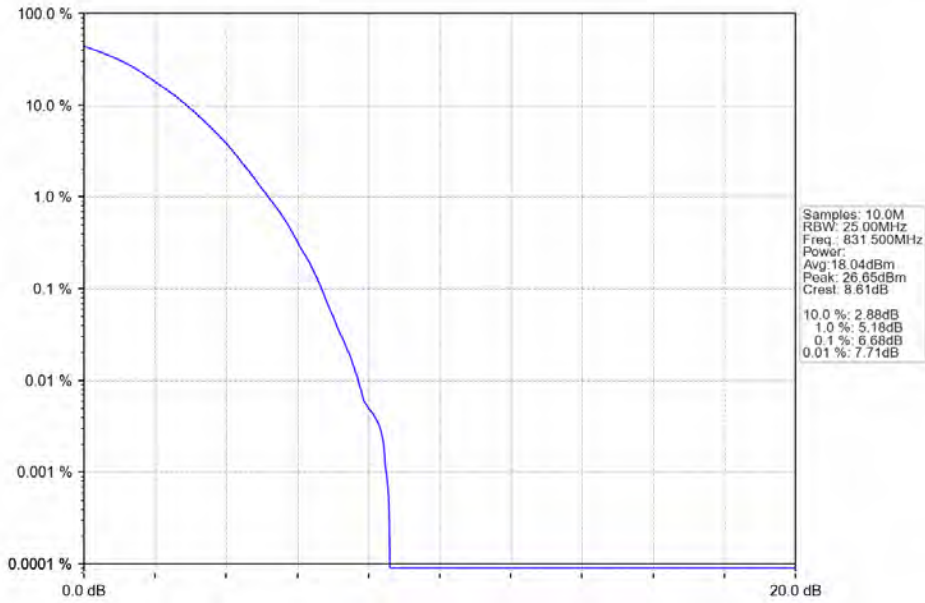
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n5 15kHz SISO NTN 15MHz DFT-s-OFDM 64 QAM 841.5MHz Outer Full



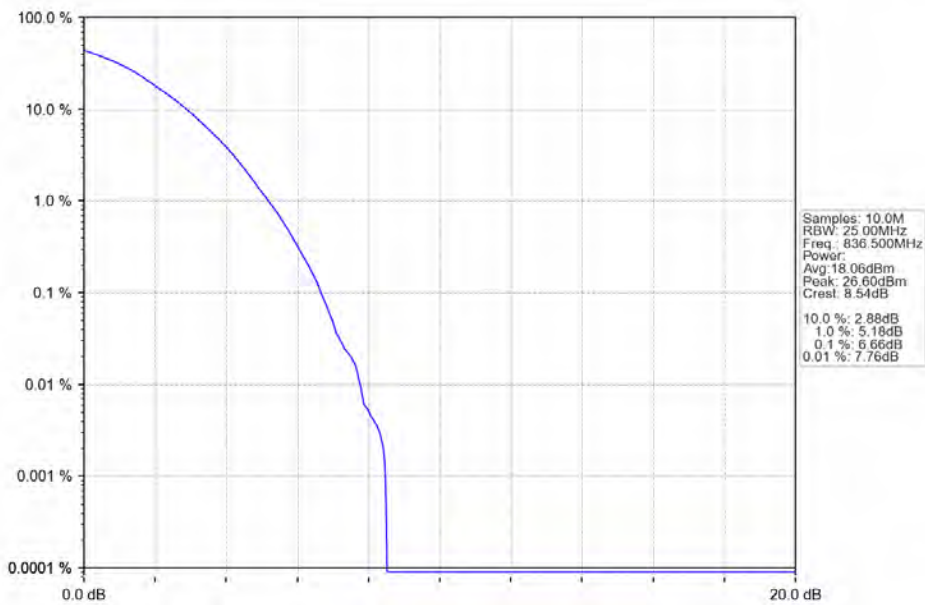
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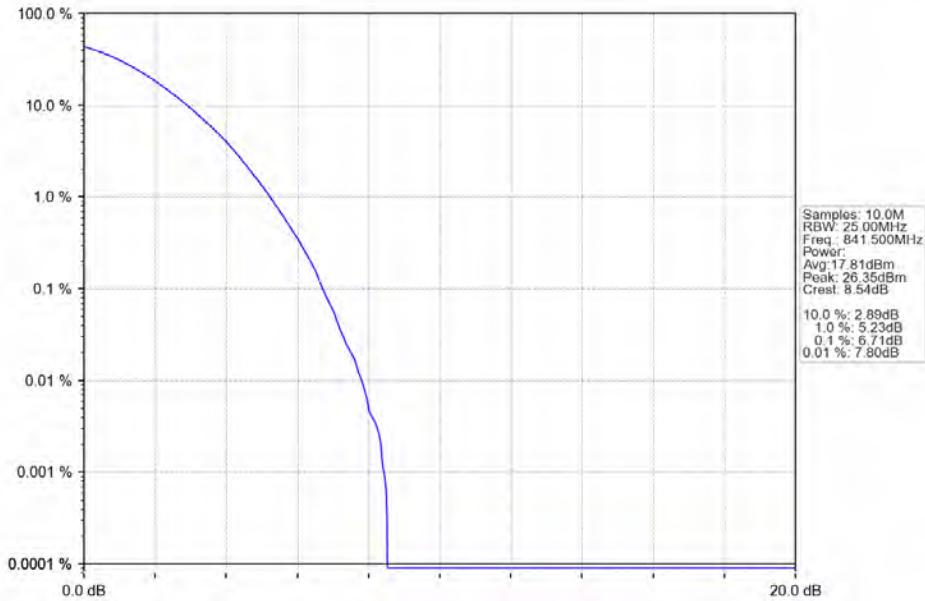
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n5 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full



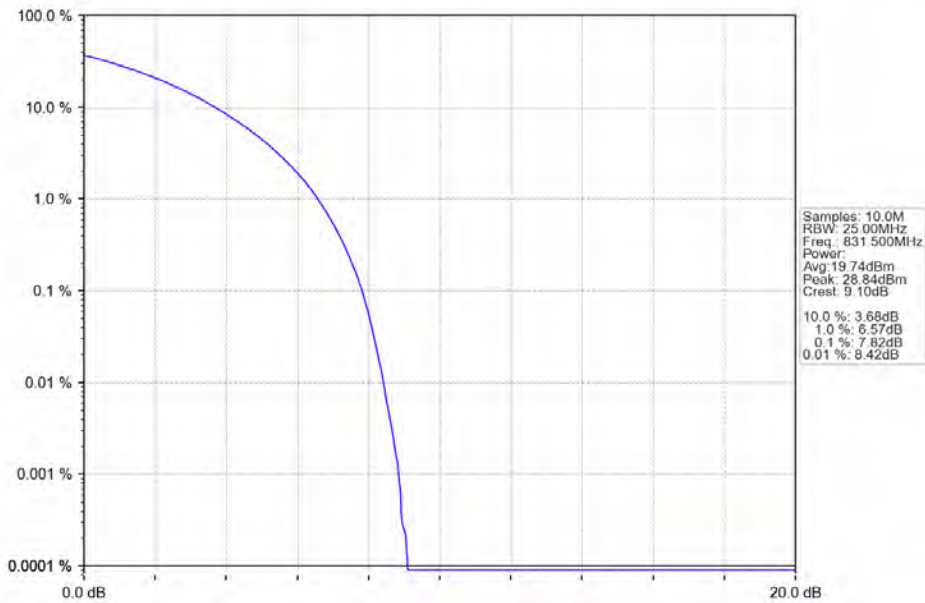
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n5 15kHz SISO NTN 15MHz DFT-s-OFDM 256 QAM 841.5MHz Outer Full



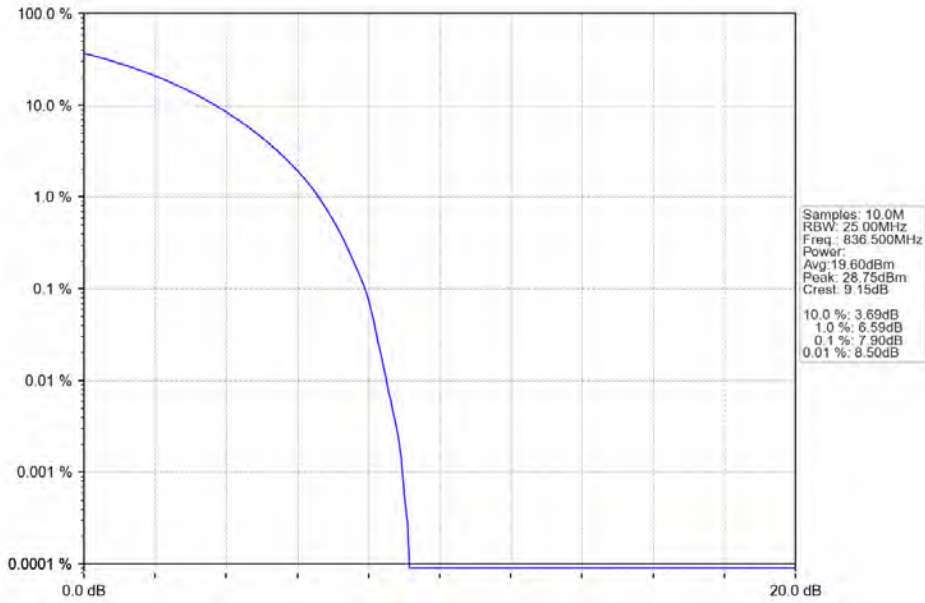
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n5 15kHz SISO NTN 15MHz CP-OFDM QPSK 831.5MHz Outer Full



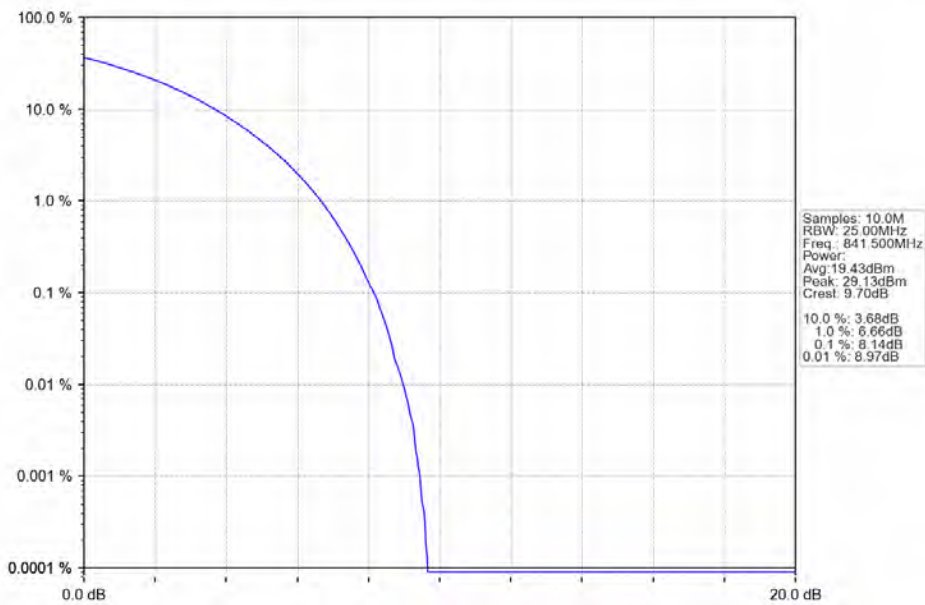
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n5 15kHz SISO NTN 15MHz CP-OFDM QPSK 836.5MHz Outer Full



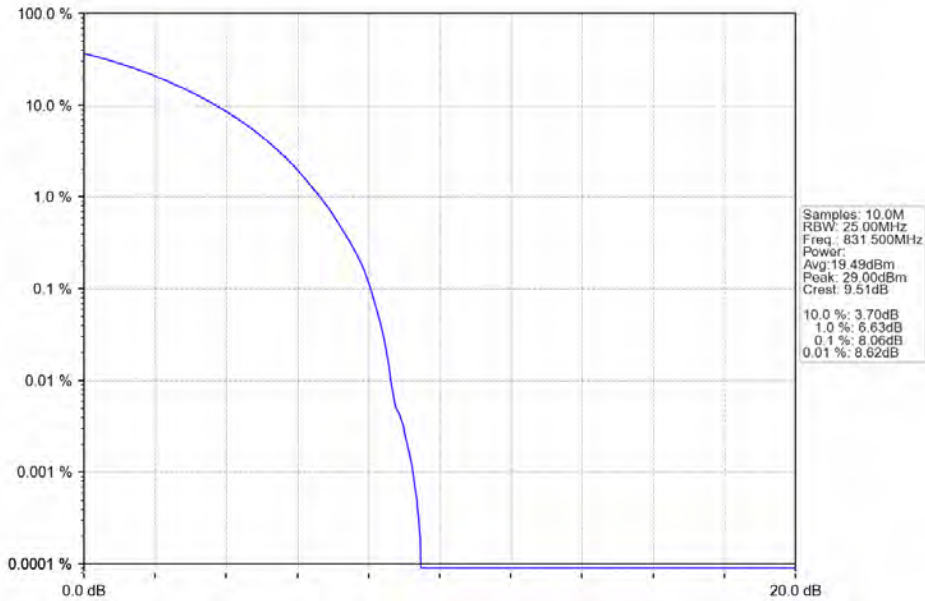
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n5 15kHz SISO NTN 15MHz CP-OFDM QPSK 841.5MHz Outer Full



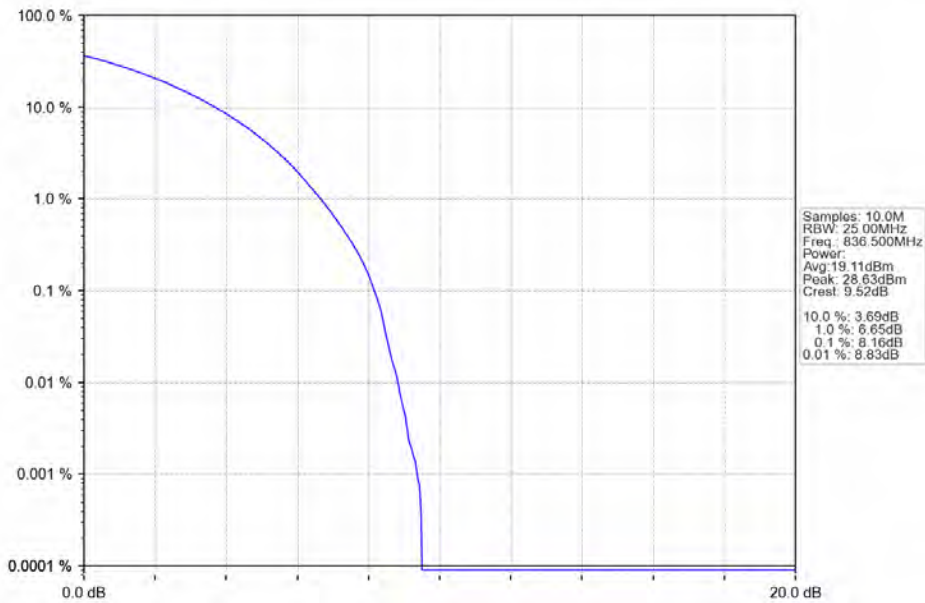
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n5 15kHz SISO NTV 15MHz CP-OFDM 16 QAM 831.5MHz Outer Full



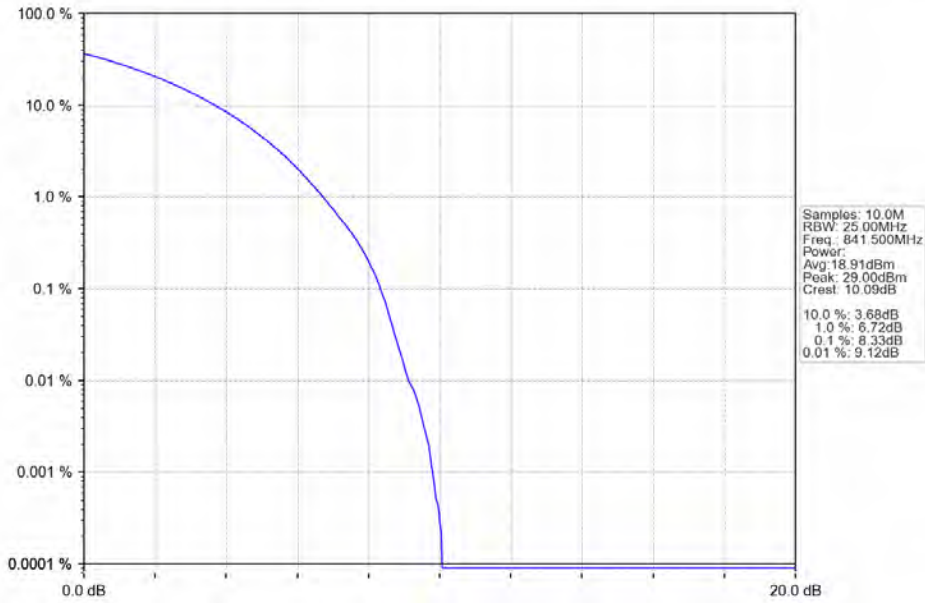
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n5 15kHz SISO NTV 15MHz CP-OFDM 16 QAM 836.5MHz Outer Full



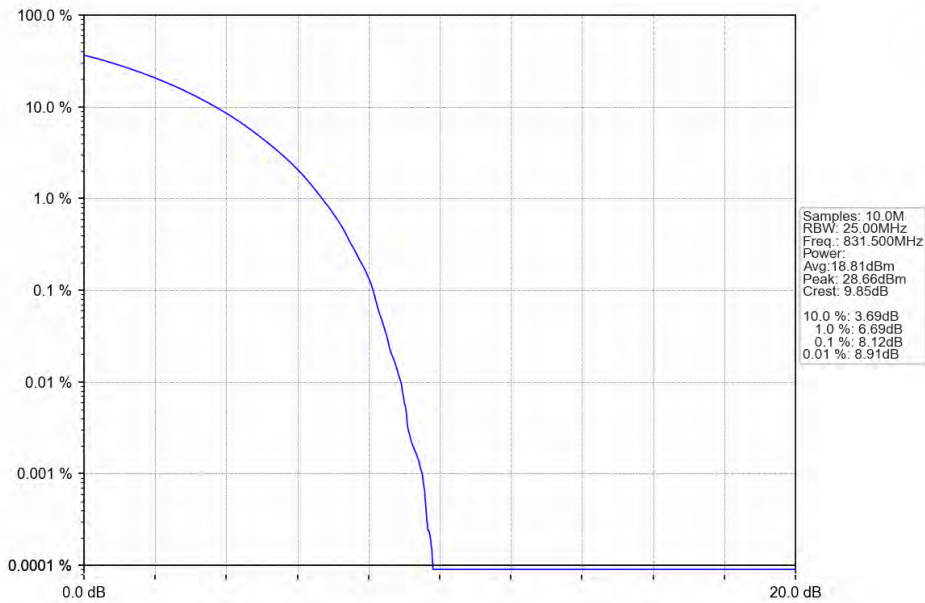
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n5 15kHz SISO NTV 15MHz CP-OFDM 16 QAM 841.5MHz Outer Full



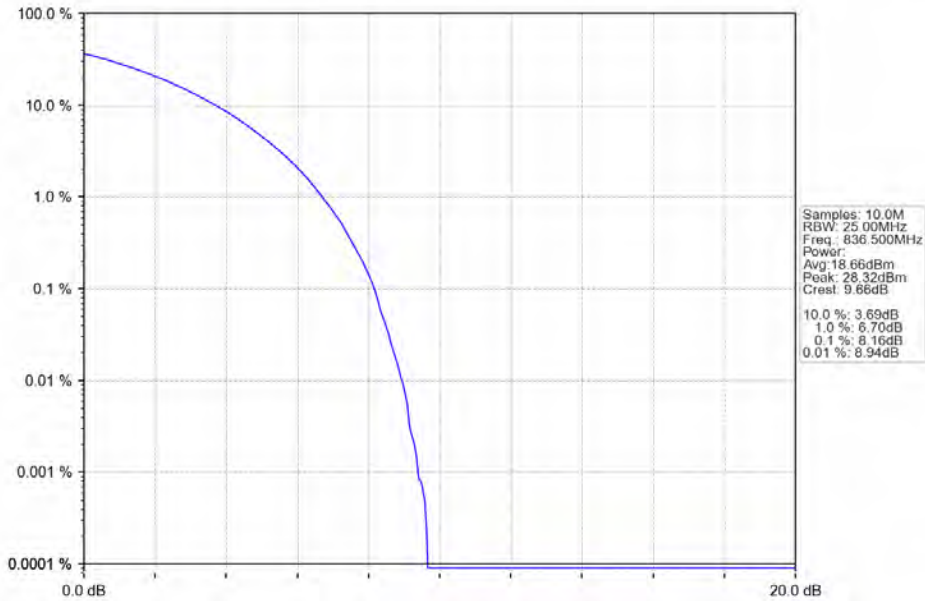
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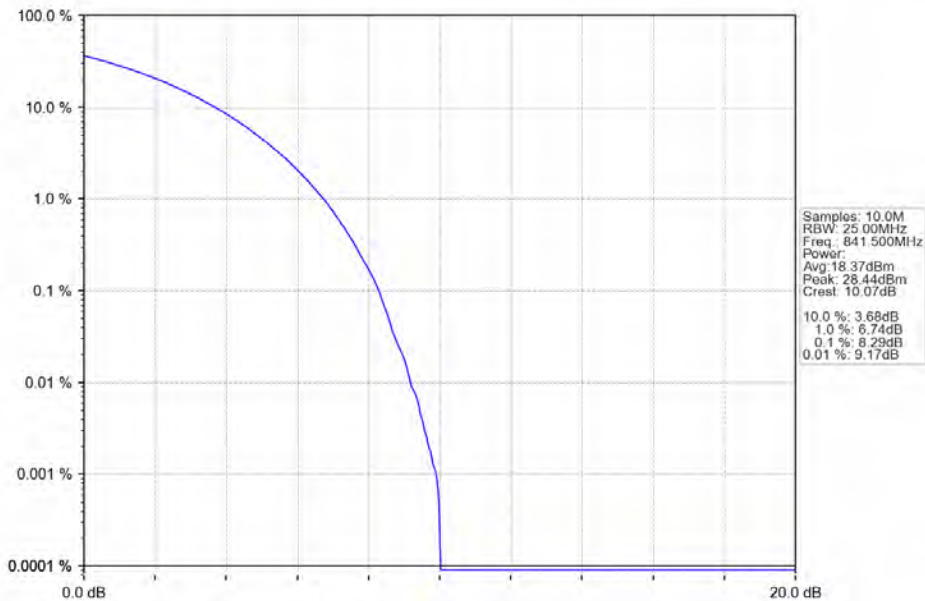
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n5 15kHz SISO NTV 15MHz CP-OFDM 64 QAM 836.5MHz Outer Full



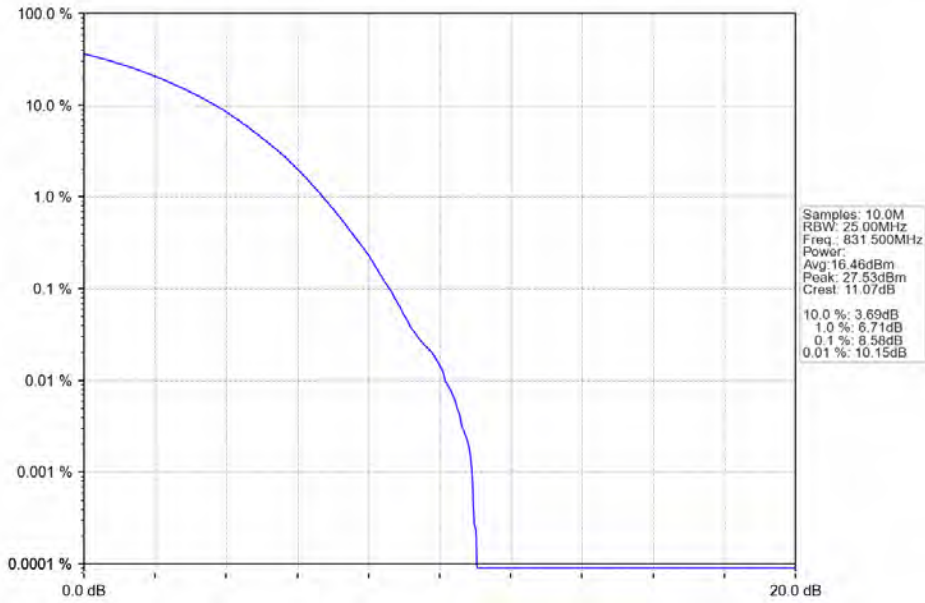
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n5 15kHz SISO NTV 15MHz CP-OFDM 64 QAM 841.5MHz Outer Full



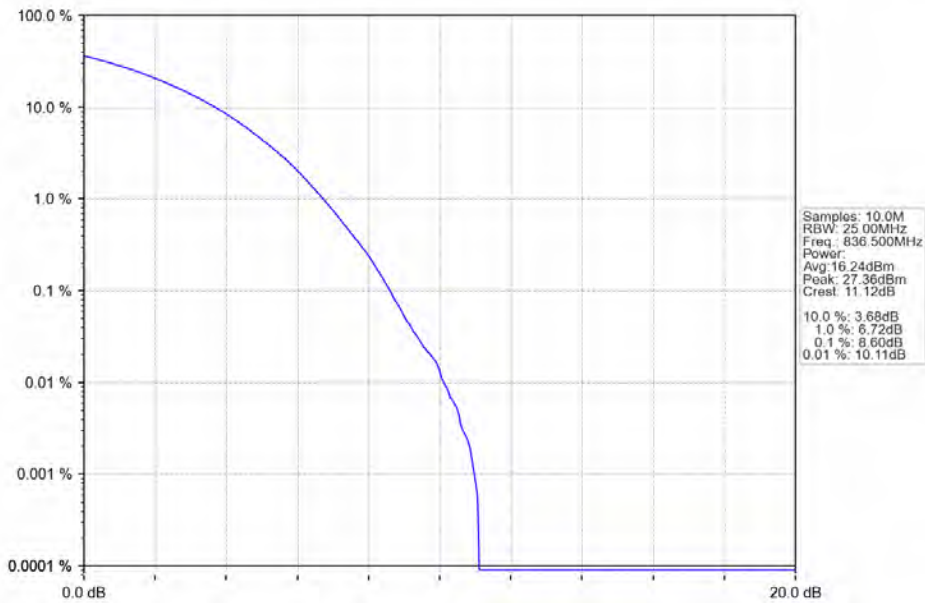
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n5 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 831.5MHz Outer Full



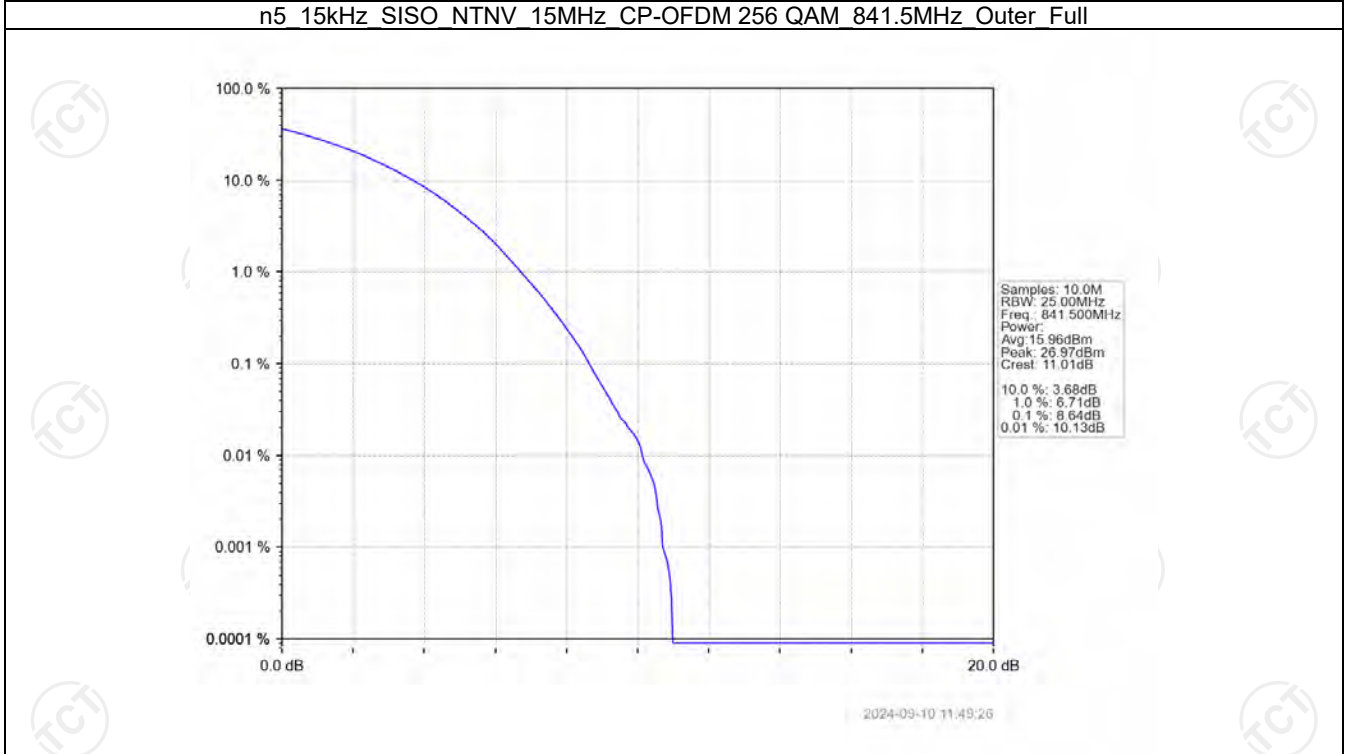
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n5 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 836.5MHz Outer Full

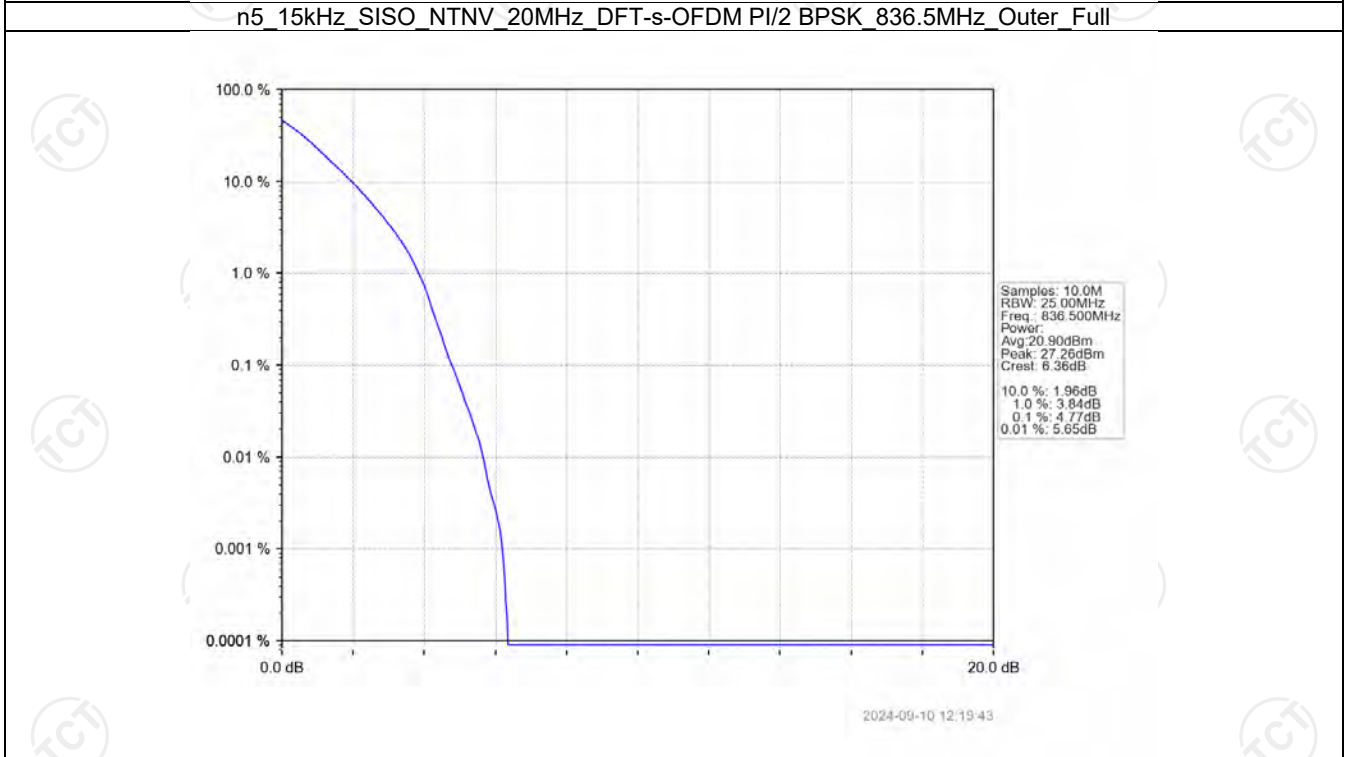
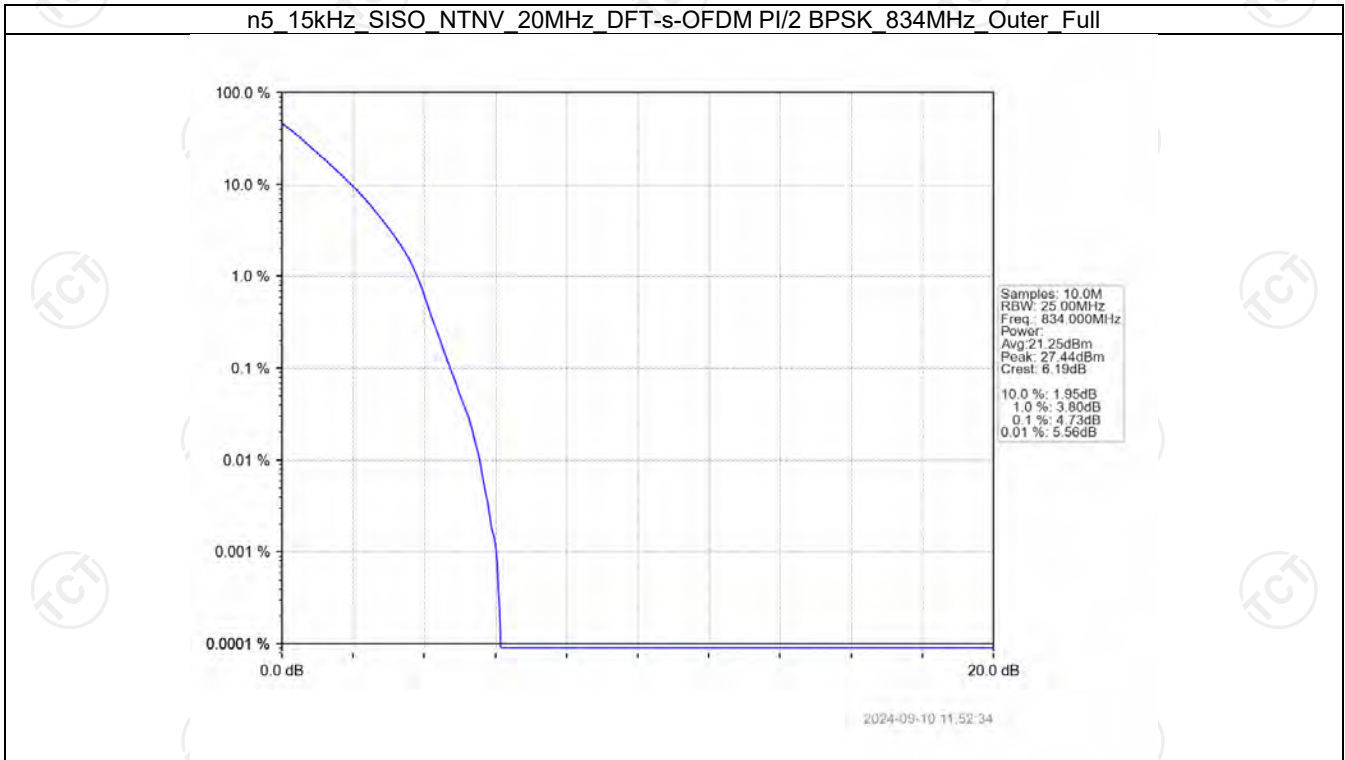


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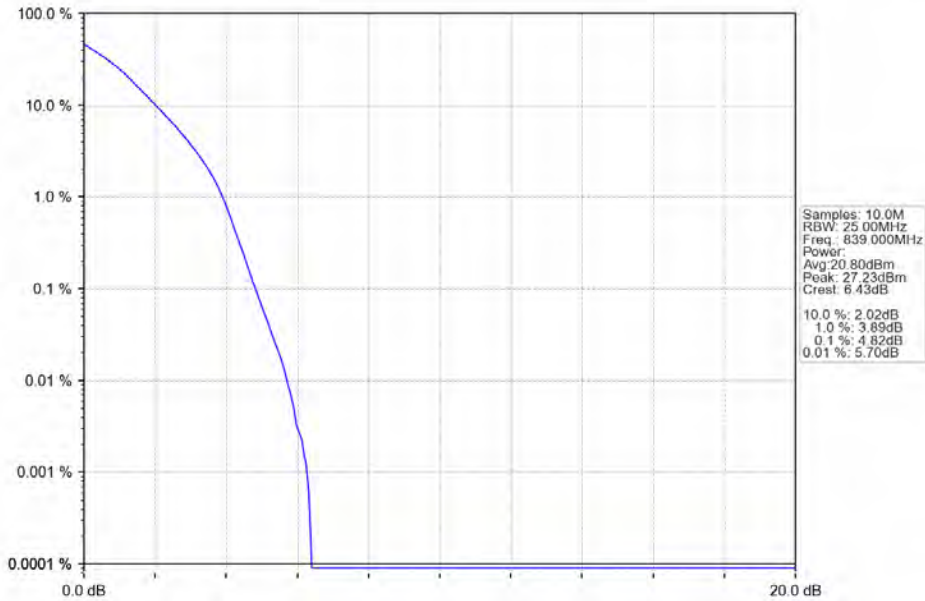
n5 15kHz SISO NTN 15MHz CP-OFDM 256 QAM 841.5MHz Outer Full



5.2.4 15k_SISO_20MHz_NTNV

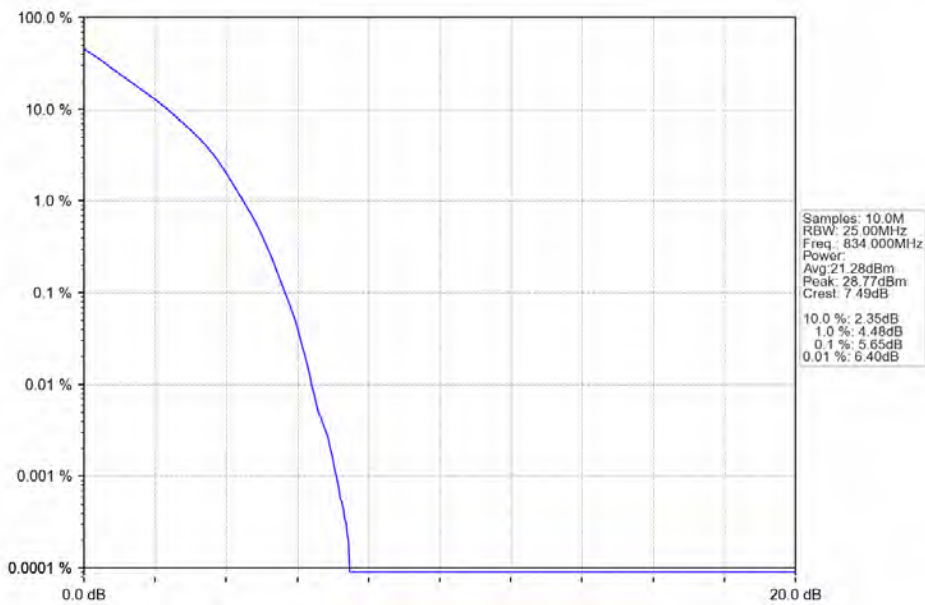


n5 15kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 839MHz Outer Full



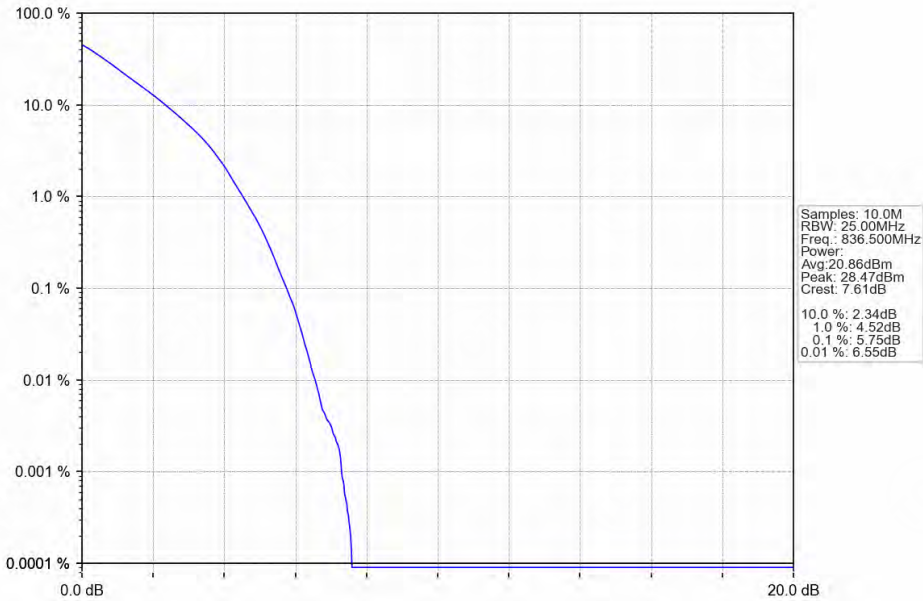
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n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 834MHz Outer Full



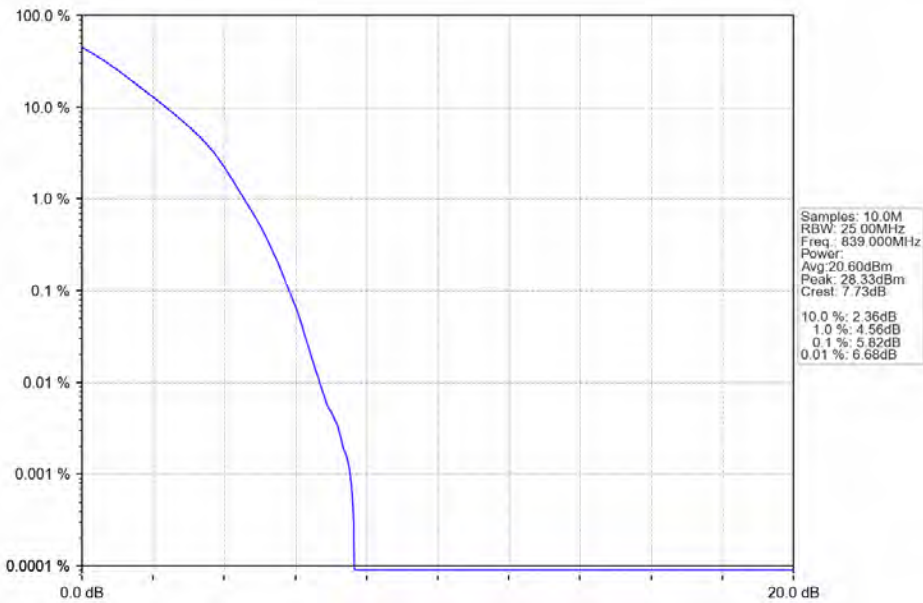
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n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 836.5MHz Outer Full



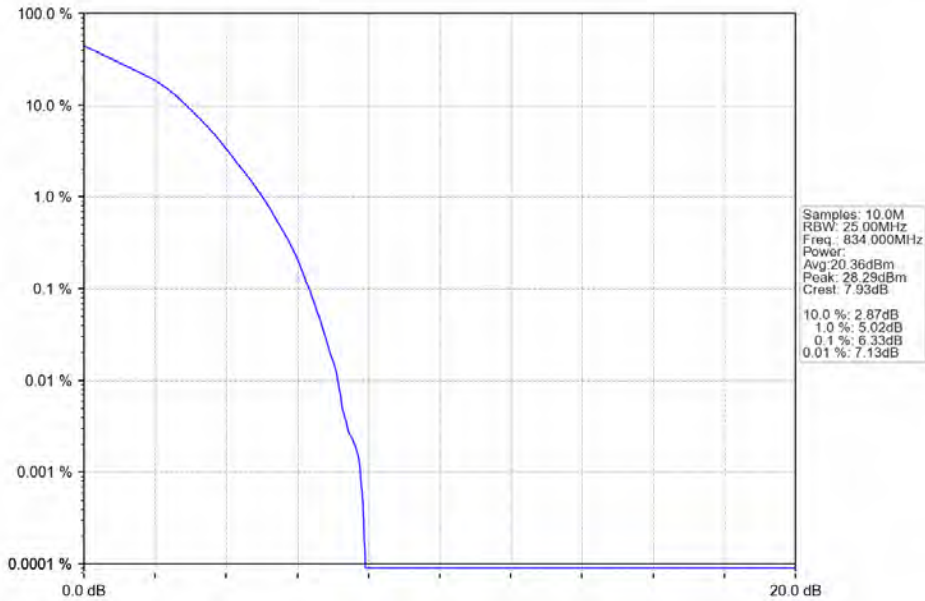
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n5 15kHz SISO NTN 20MHz DFT-s-OFDM QPSK 839MHz Outer Full



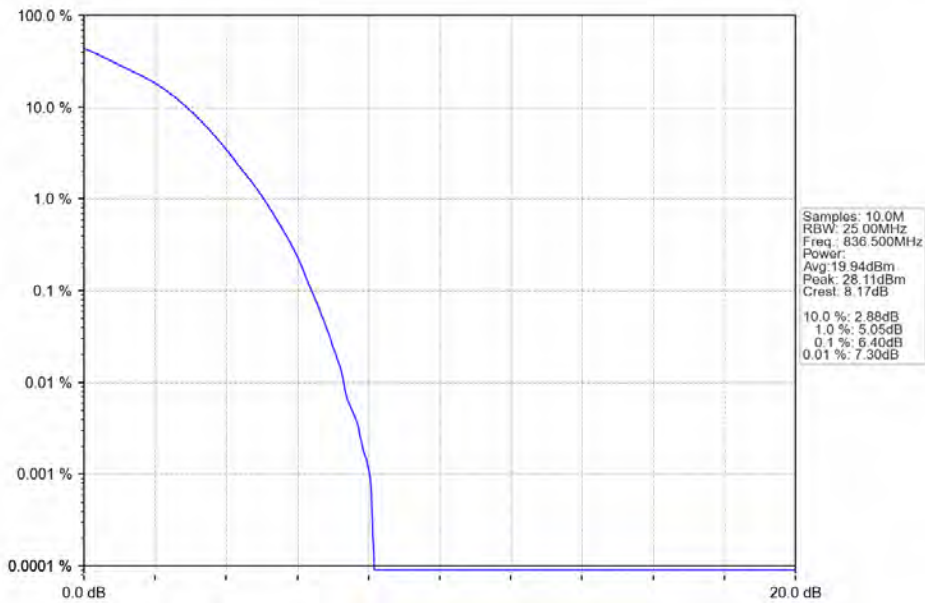
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n5 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 834MHz Outer Full



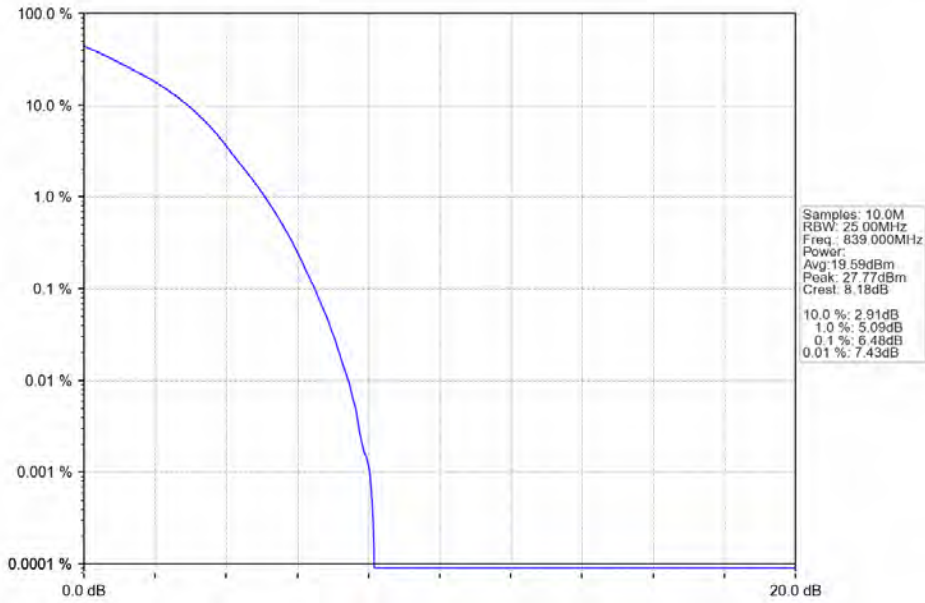
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n5 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full



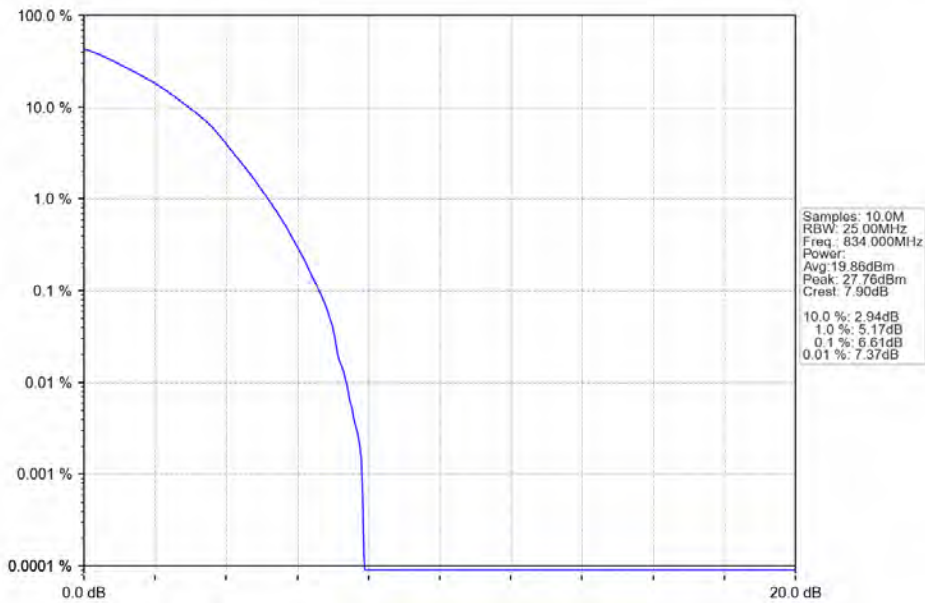
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n5 15kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 839MHz Outer Full



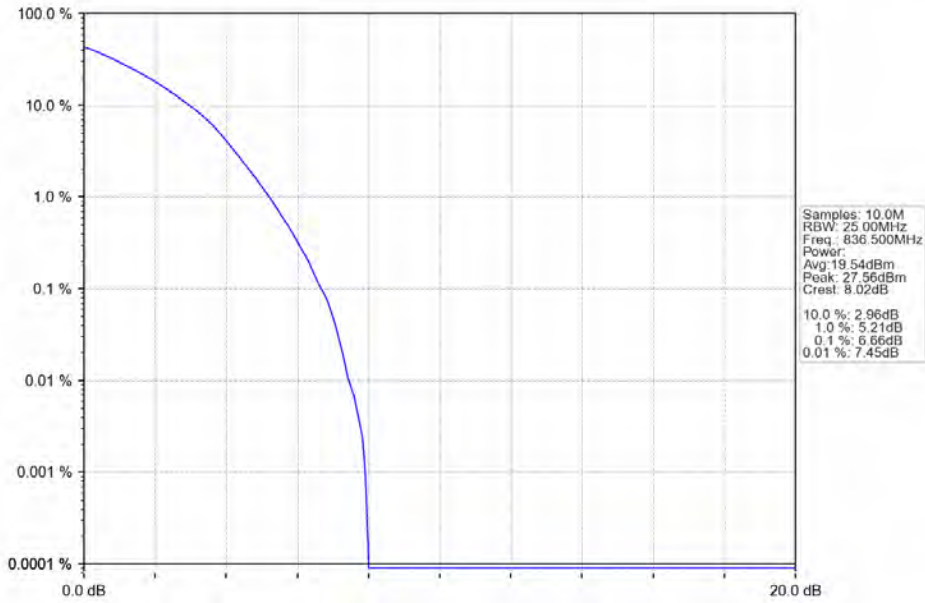
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n5 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 834MHz Outer Full



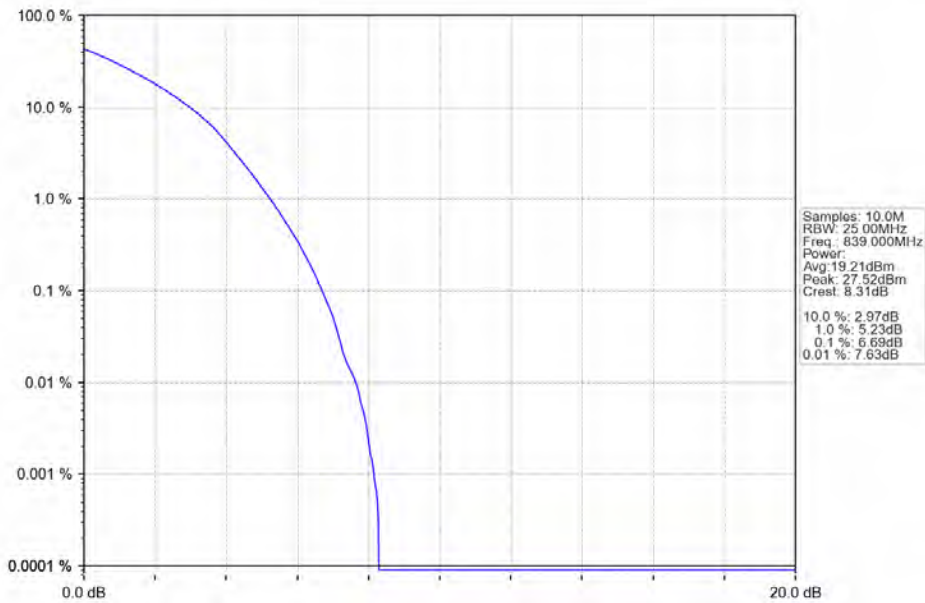
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n5 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full



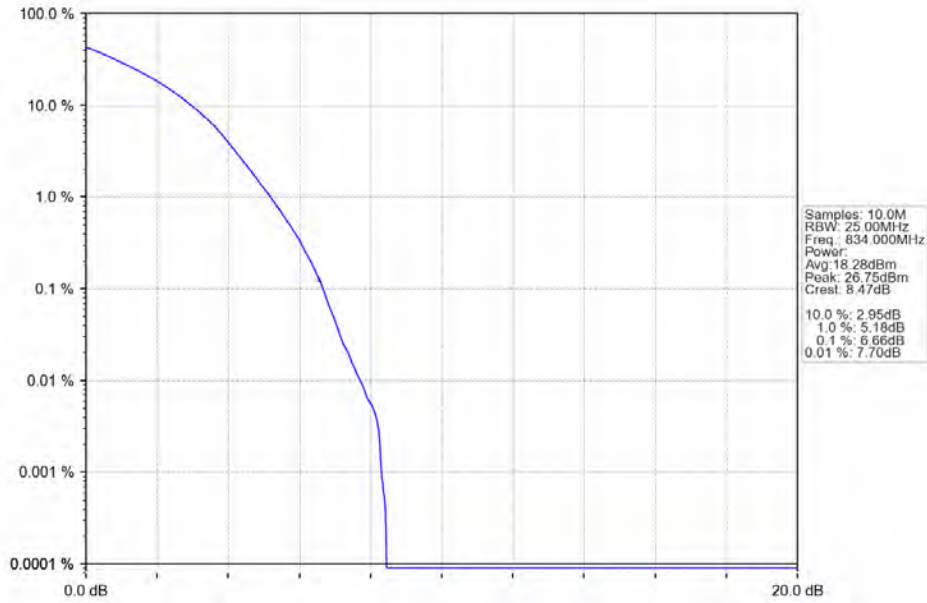
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n5 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 839MHz Outer Full



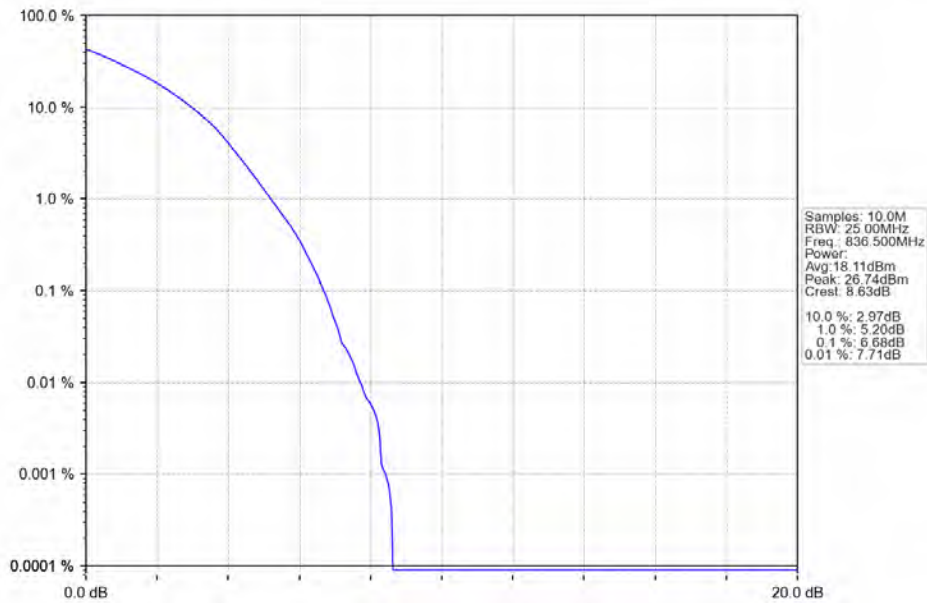
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n5 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 834MHz Outer Full



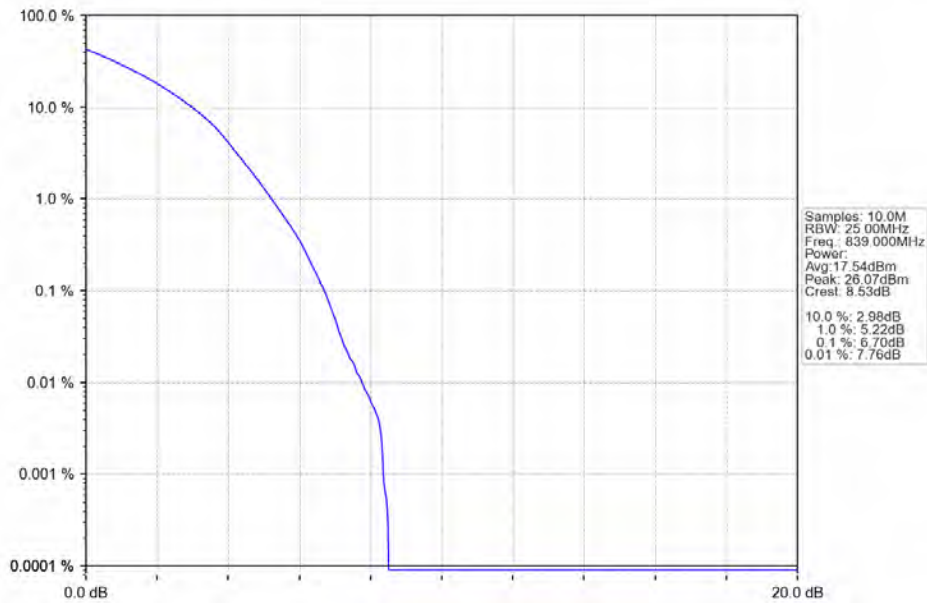
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n5 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full



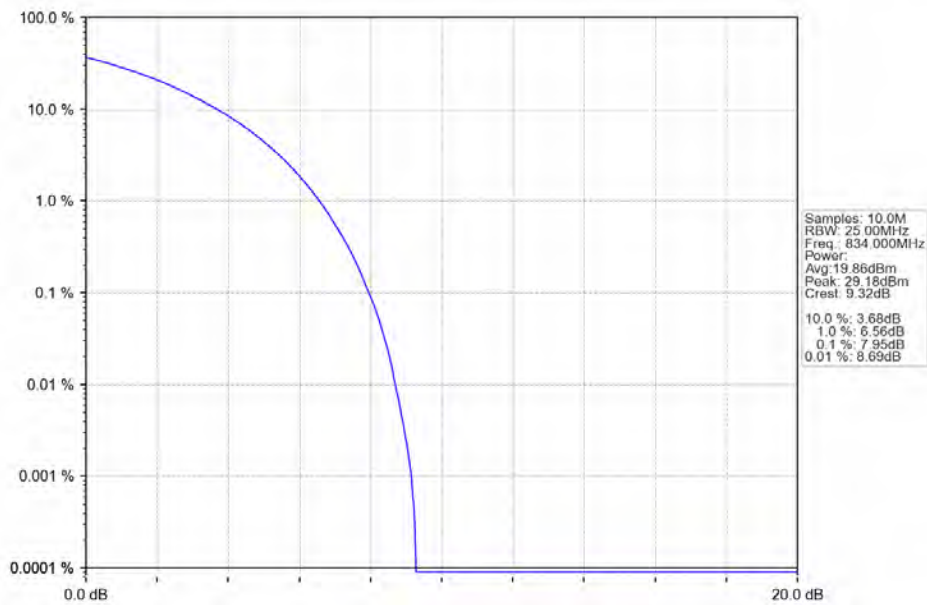
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n5 15kHz SISO NTN 20MHz DFT-s-OFDM 256 QAM 839MHz Outer Full



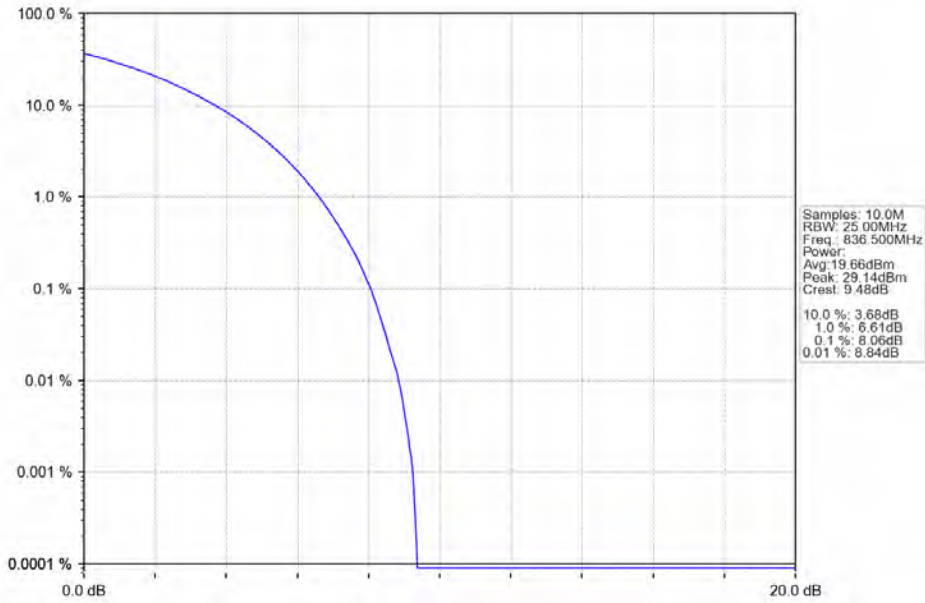
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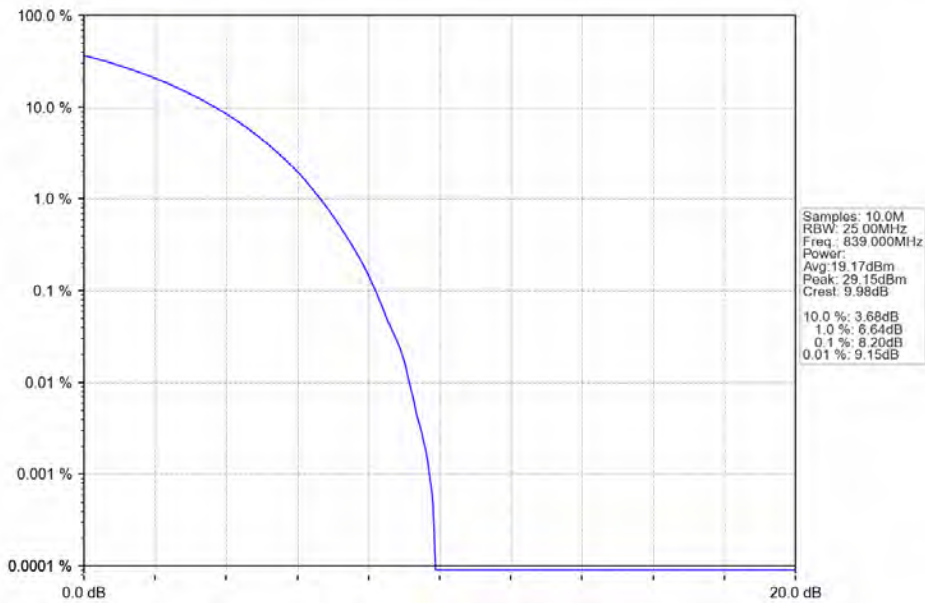
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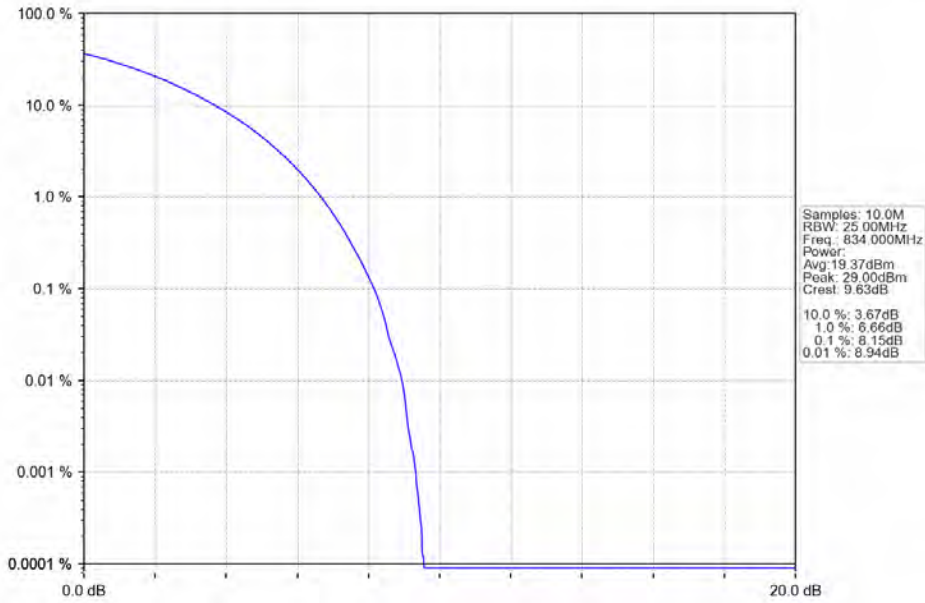
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n5 15kHz SISO NTN 20MHz CP-OFDM QPSK 839MHz Outer Full



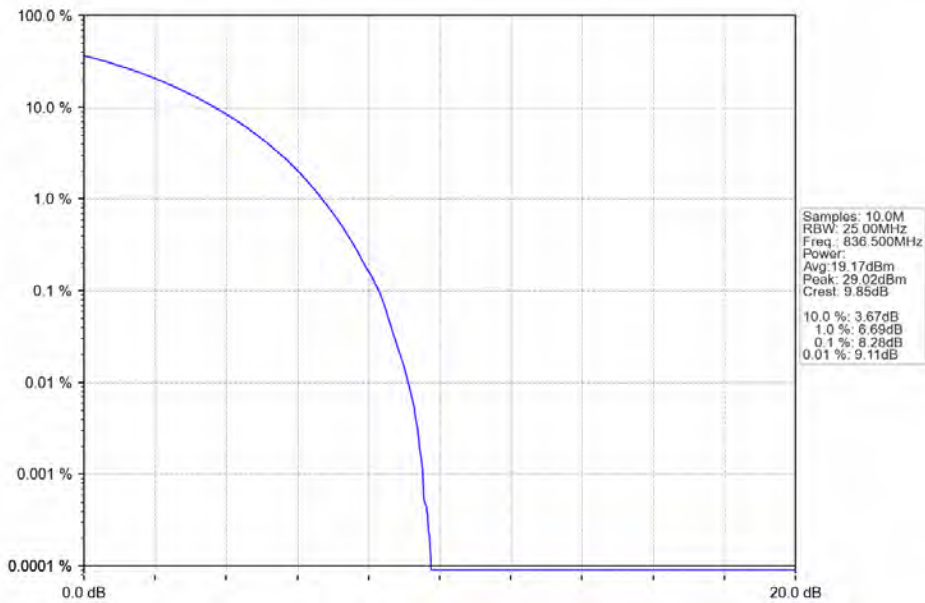
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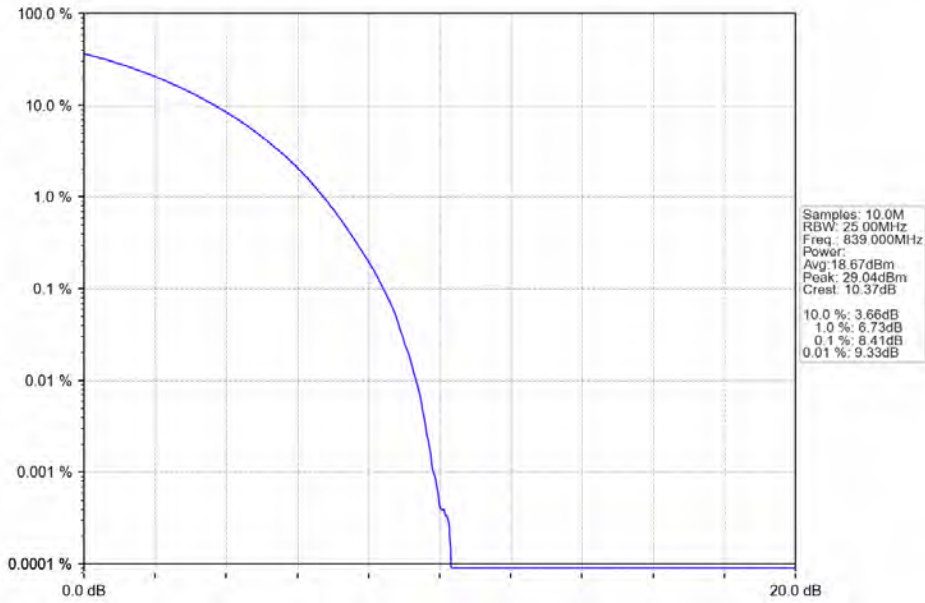
2024-09-10 12:08:52

n5 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 836.5MHz Outer Full



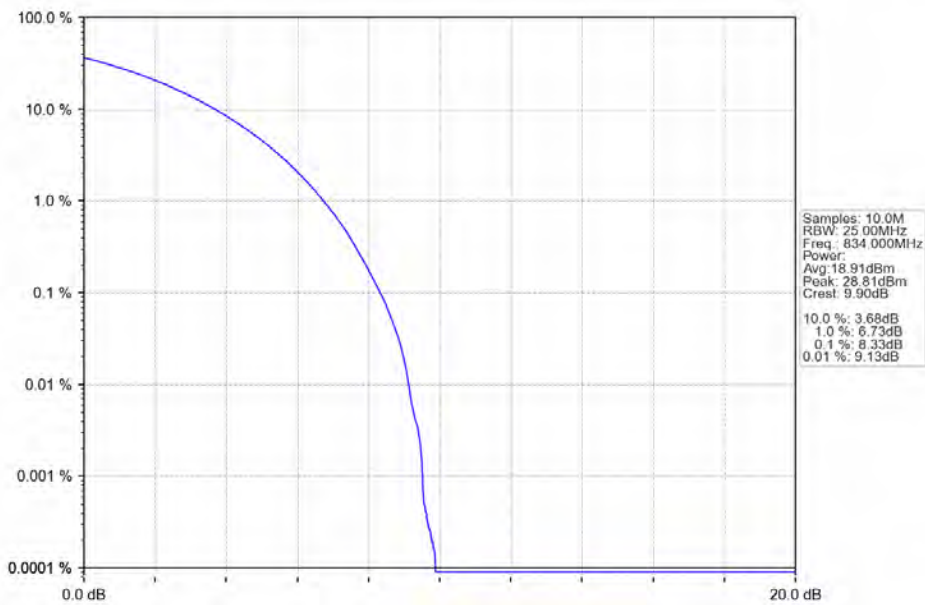
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n5 15kHz SISO NTN 20MHz CP-OFDM 16 QAM 839MHz Outer Full



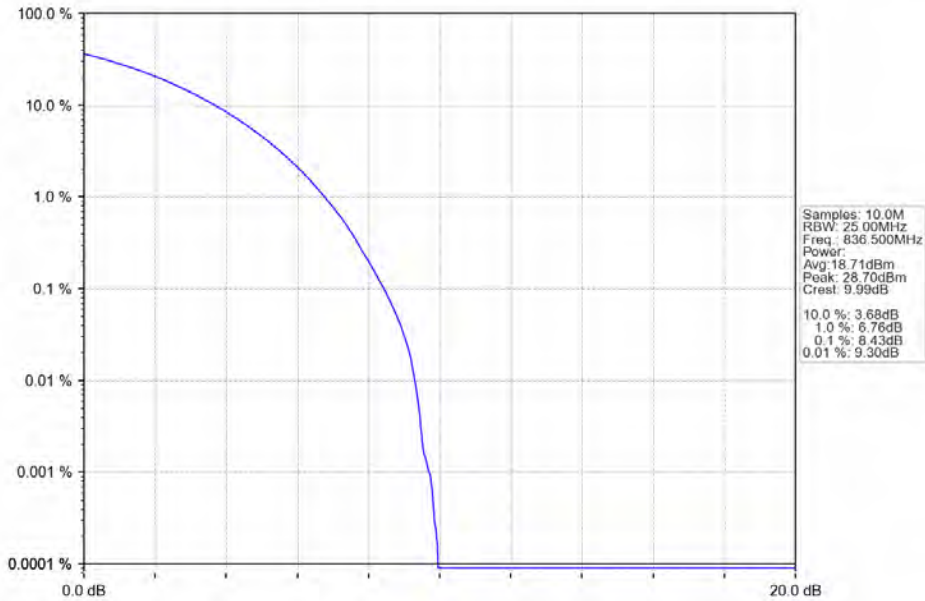
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n5 15kHz SISO NTN 20MHz CP-OFDM 64 QAM 834MHz Outer Full



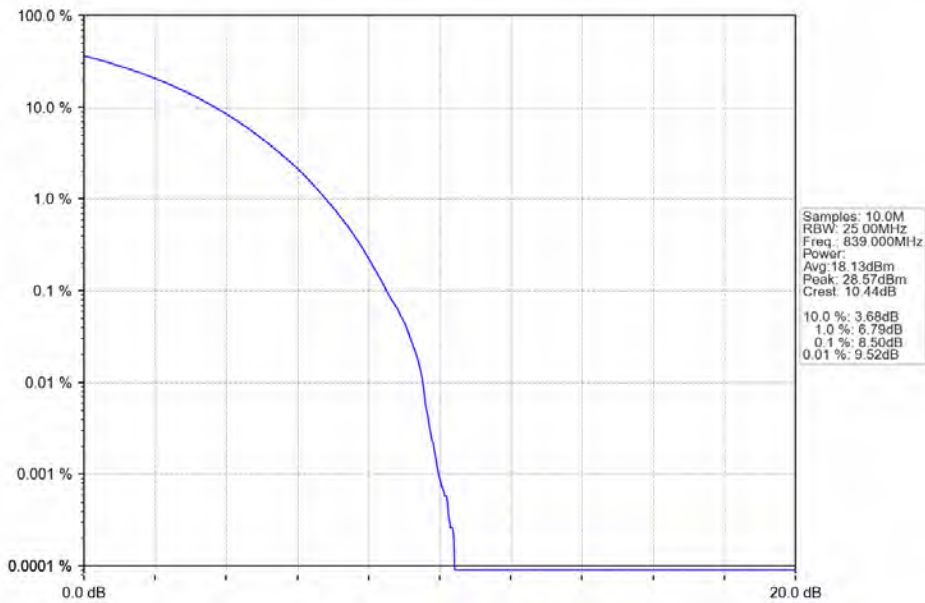
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n5 15kHz SISO NTV 20MHz CP-OFDM 64 QAM 836.5MHz Outer Full



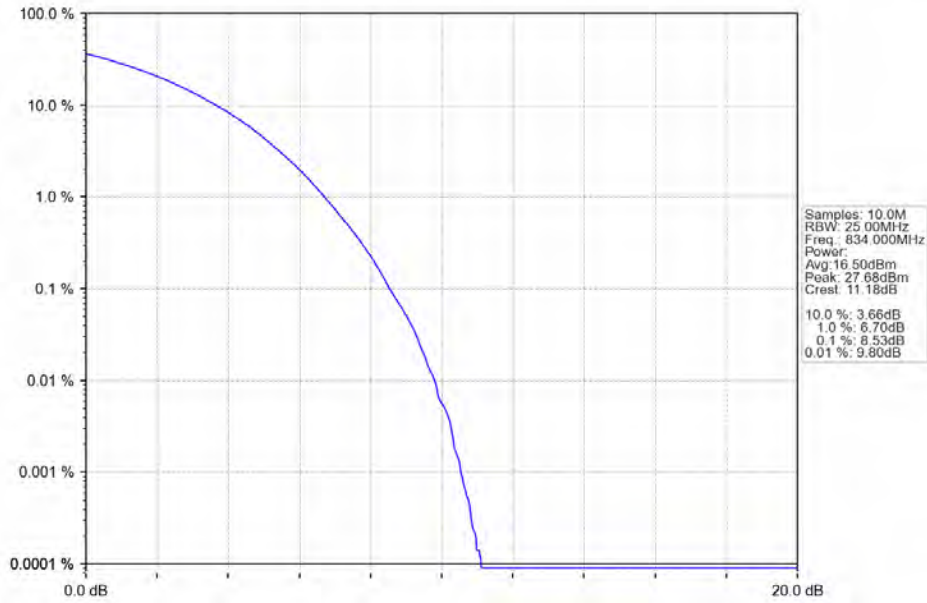
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n5 15kHz SISO NTV 20MHz CP-OFDM 64 QAM 839MHz Outer Full



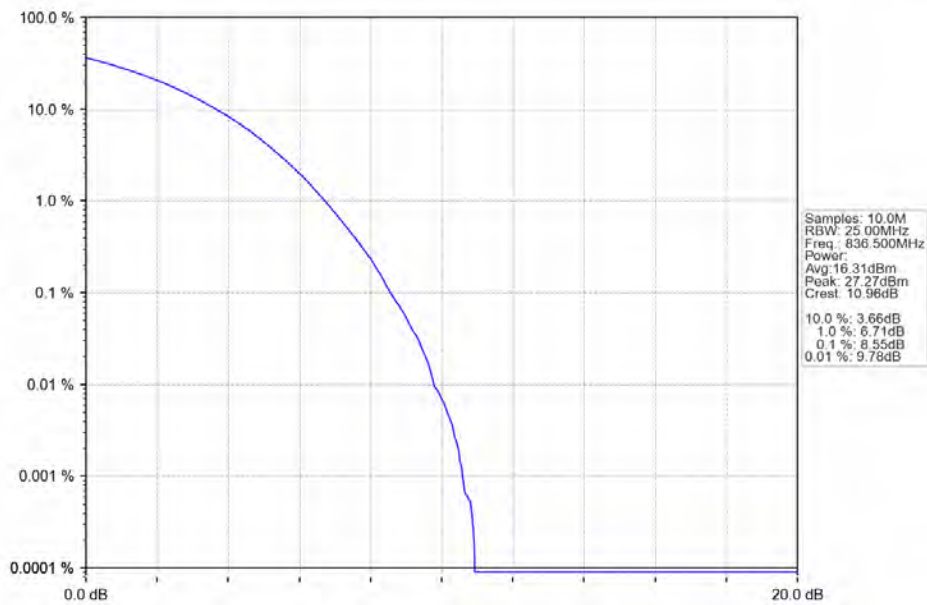
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n5 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 834MHz Outer Full



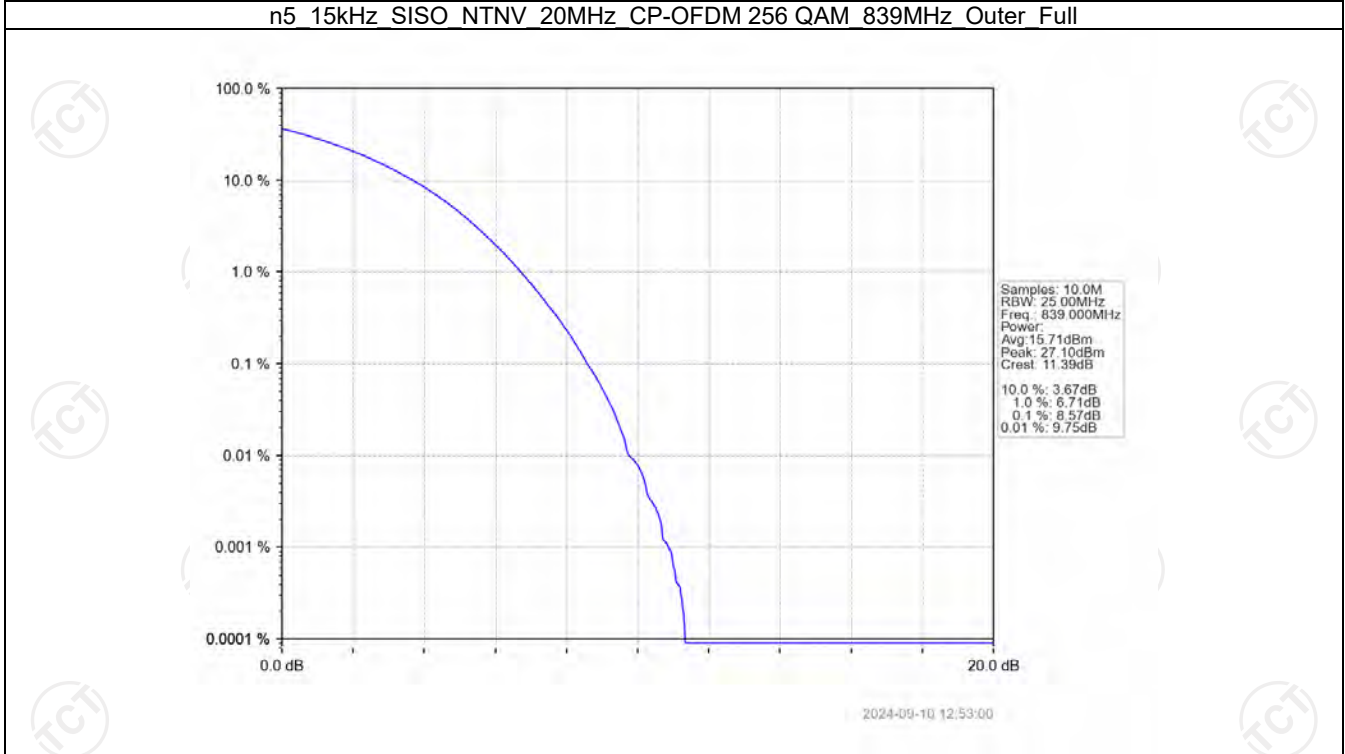
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n5 15kHz SISO NTN 20MHz CP-OFDM 256 QAM 836.5MHz Outer Full

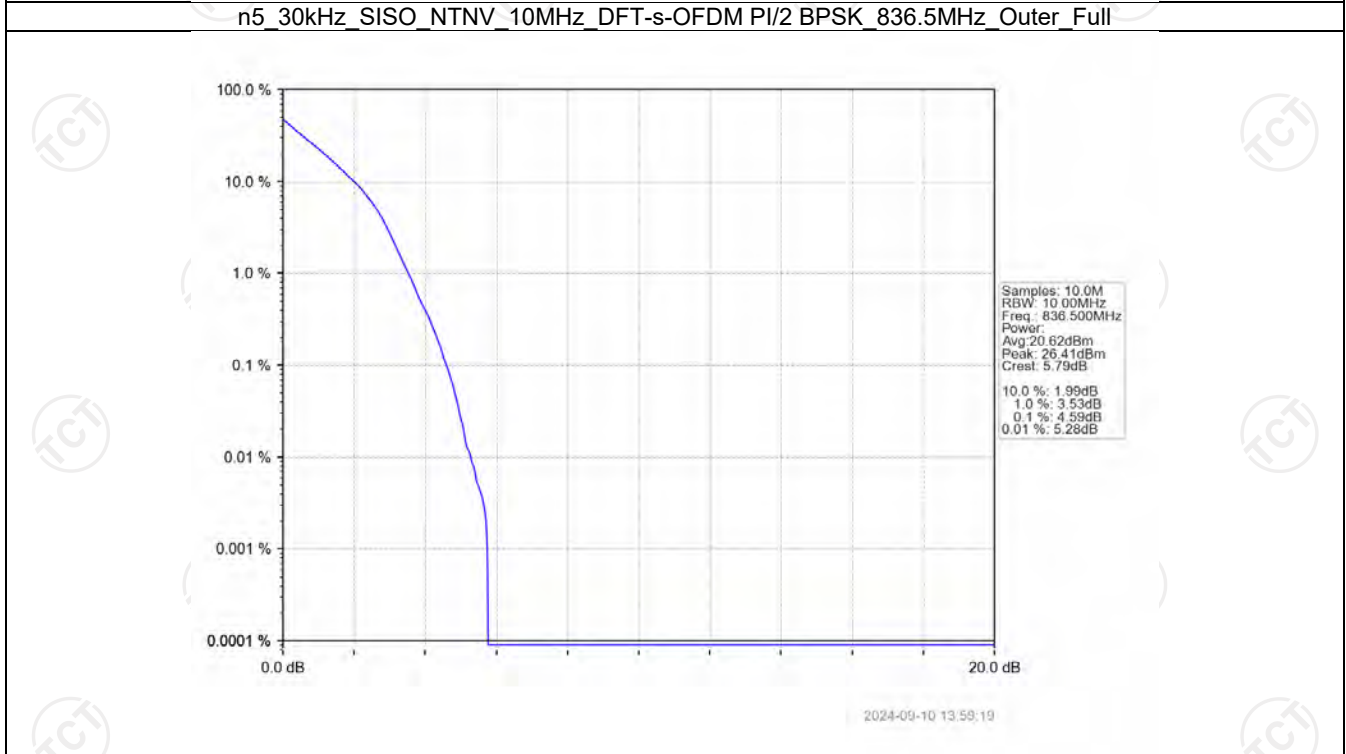
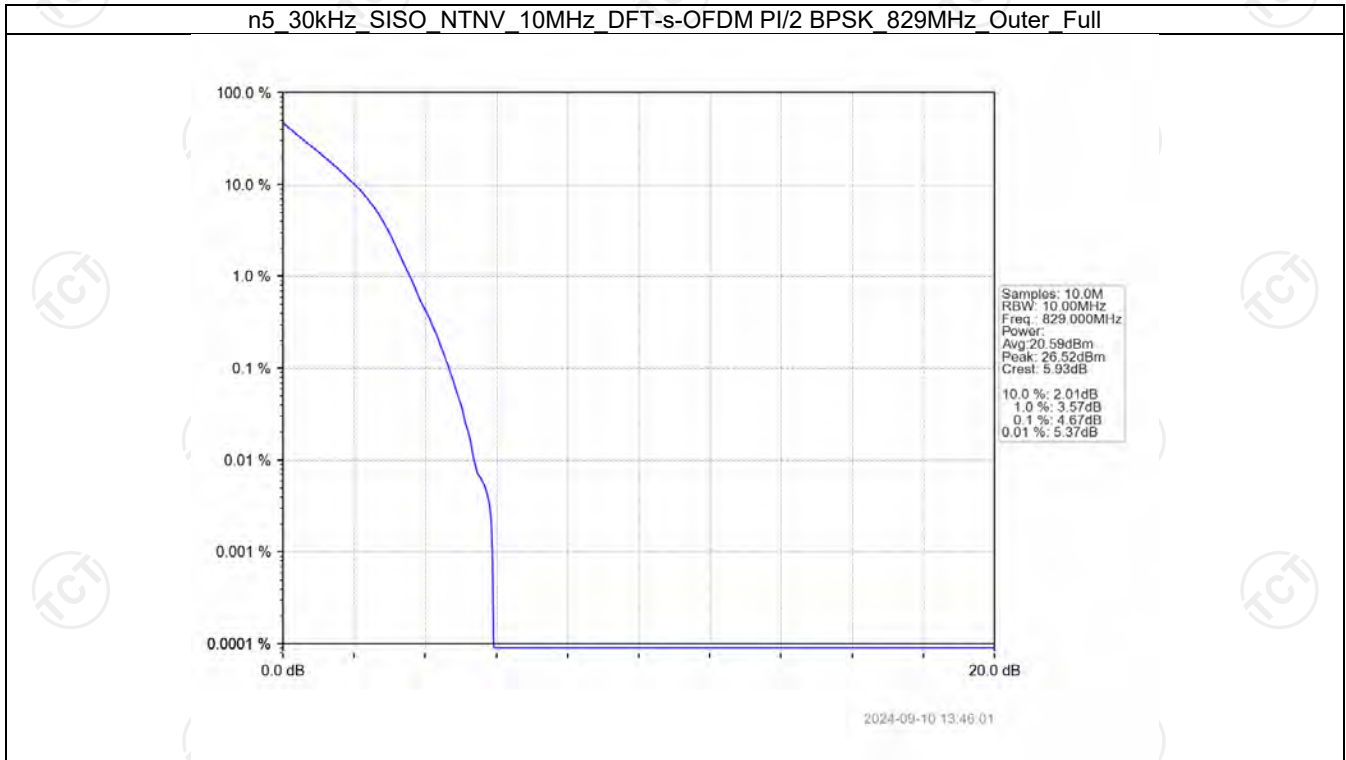


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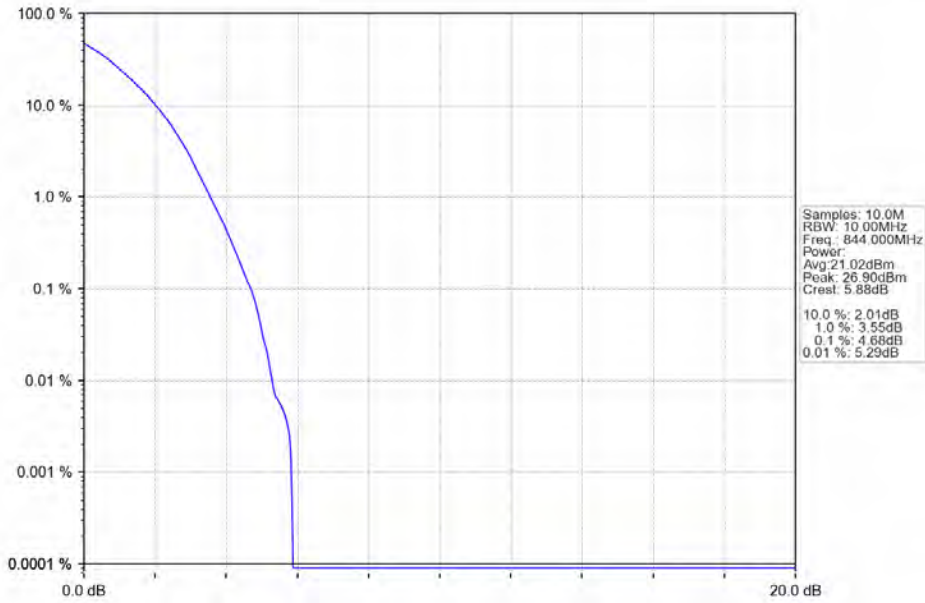
n5 15kHz SISO NTV 20MHz CP-OFDM 256 QAM 839MHz Outer Full



5.2.5 30k_SISO_10MHz_NTNV

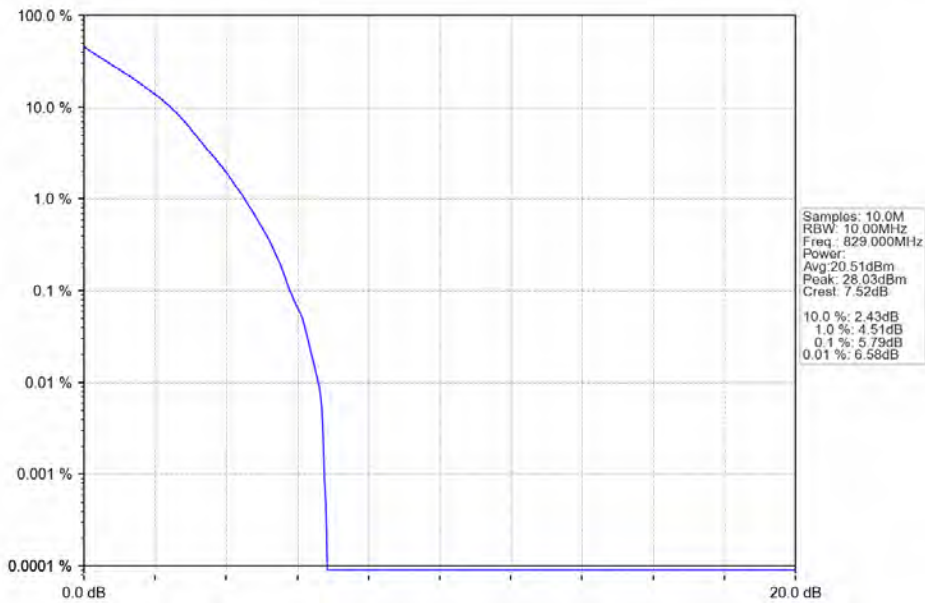


n5 30kHz SISO NTN 10MHz DFT-s-OFDM PI/2 BPSK 844MHz Outer Full



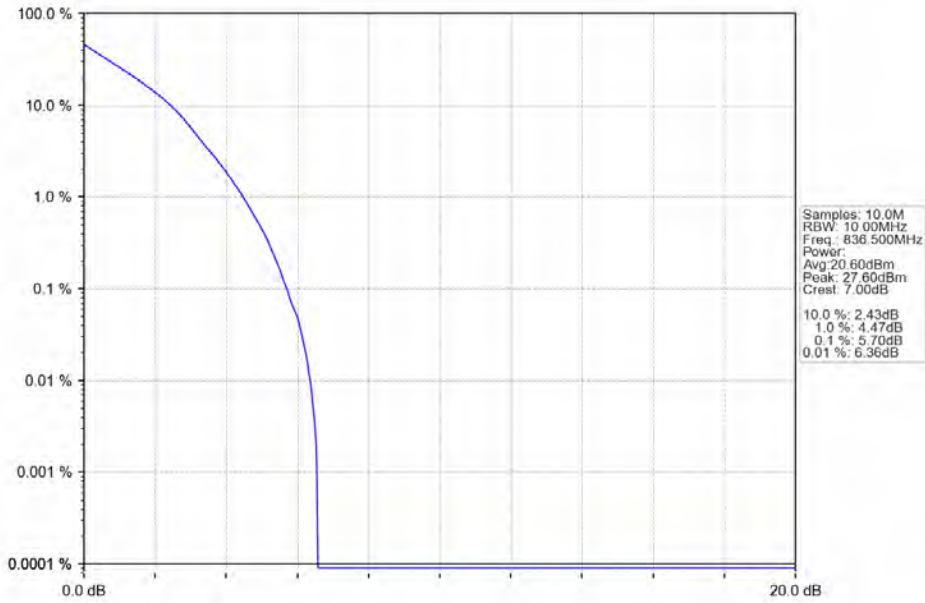
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n5 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 829MHz Outer Full



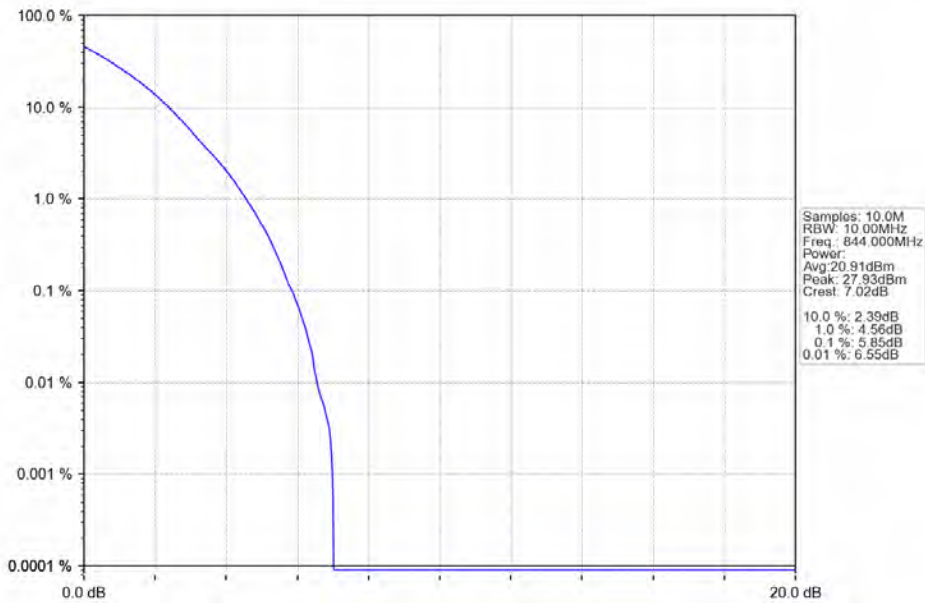
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n5 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 836.5MHz Outer Full



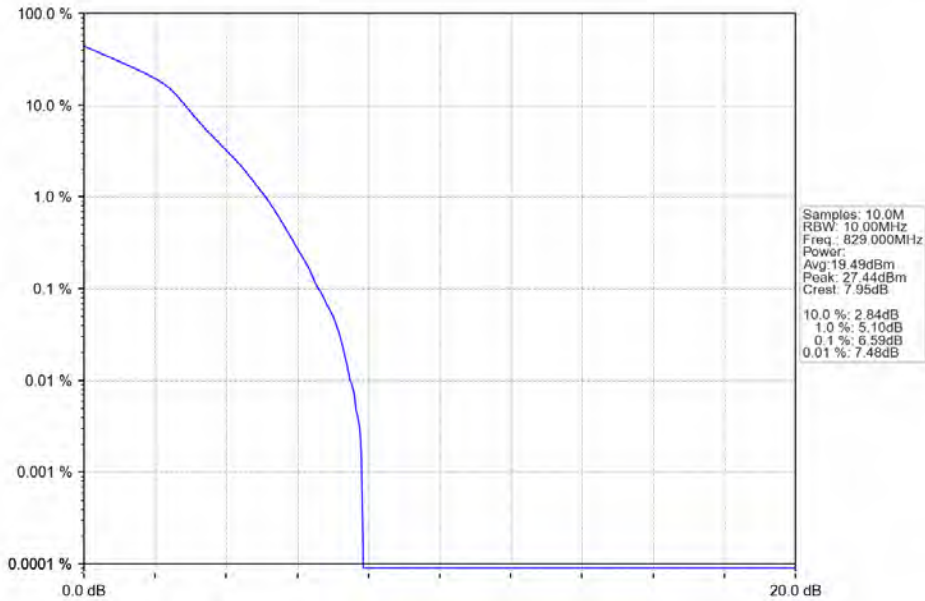
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n5 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 844MHz Outer Full



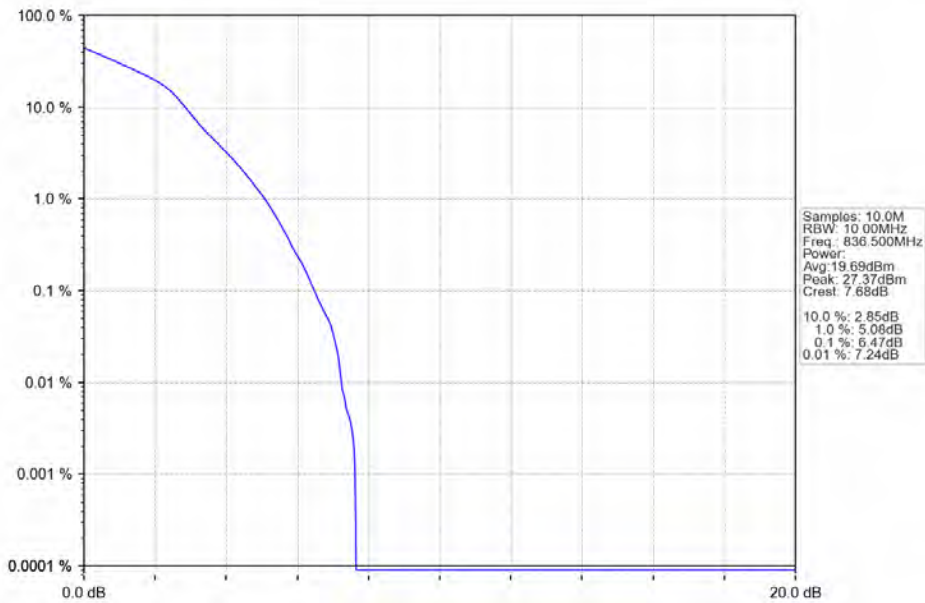
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n5 30kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 829MHz Outer Full



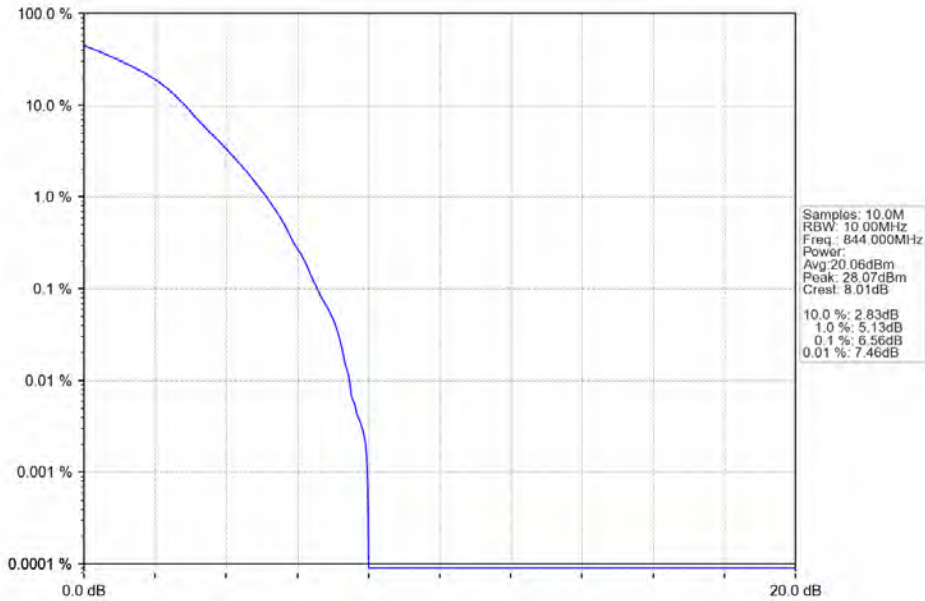
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n5 30kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 836.5MHz Outer Full



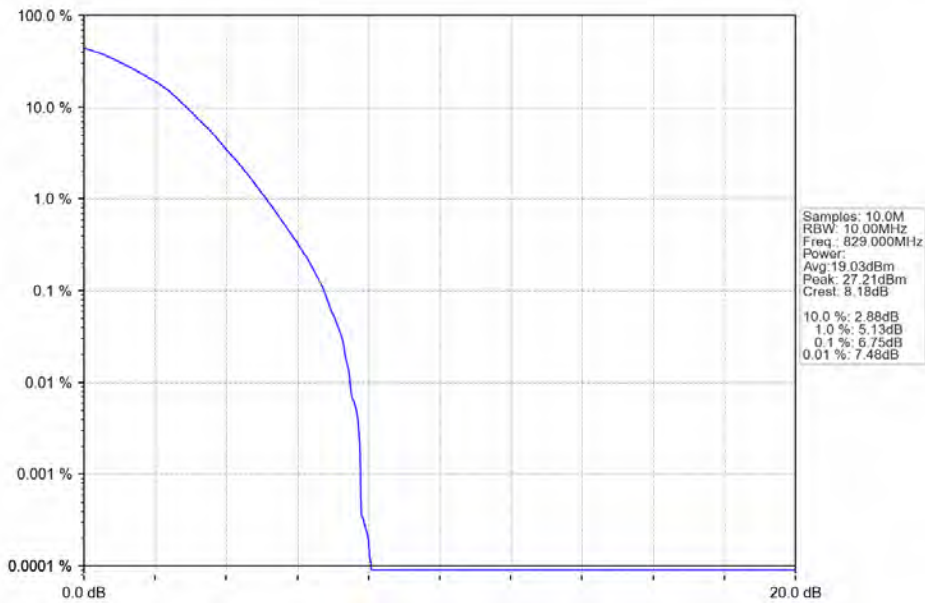
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n5 30kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 844MHz Outer Full



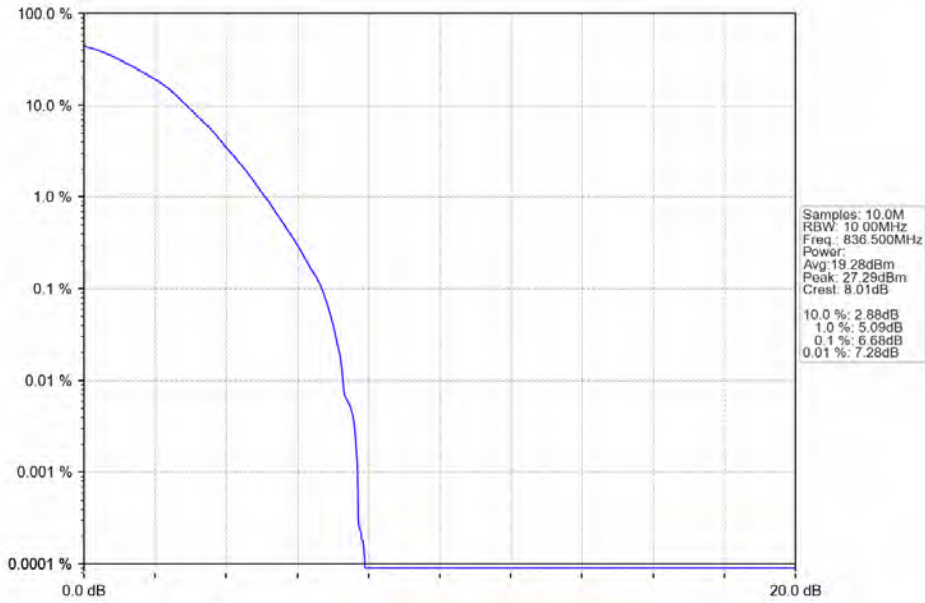
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n5 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 829MHz Outer Full



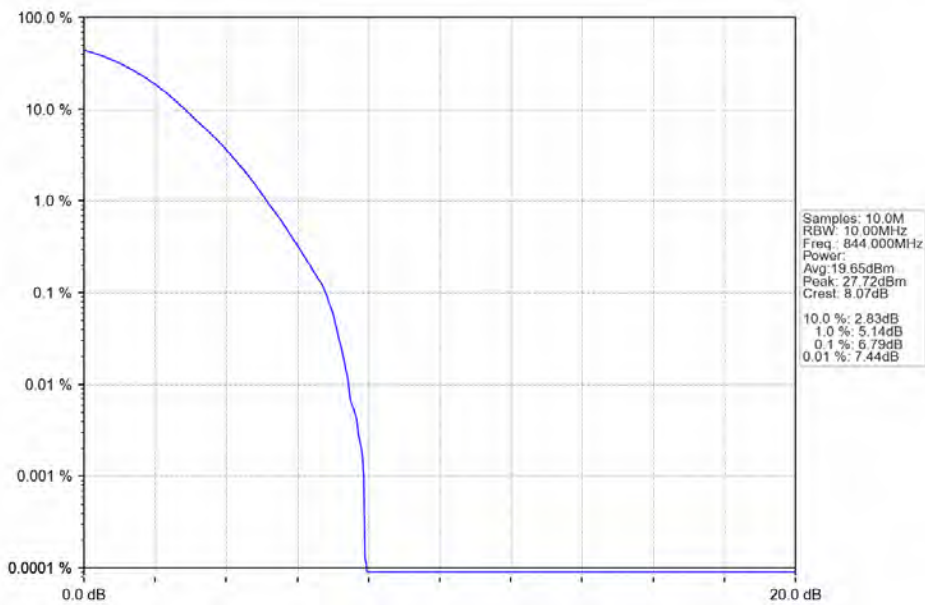
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n5 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full



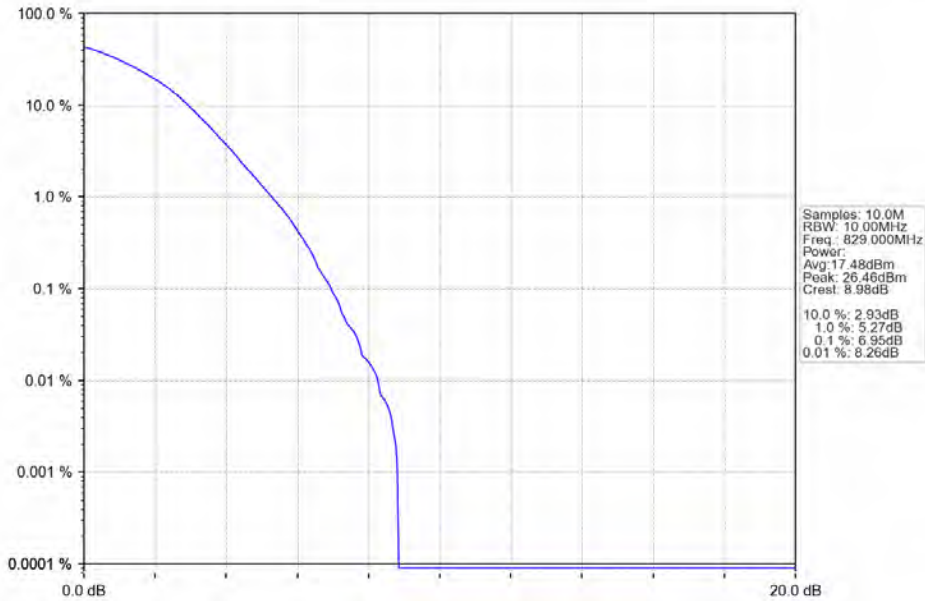
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n5 30kHz SISO NTN 10MHz DFT-s-OFDM 64 QAM 844MHz Outer Full



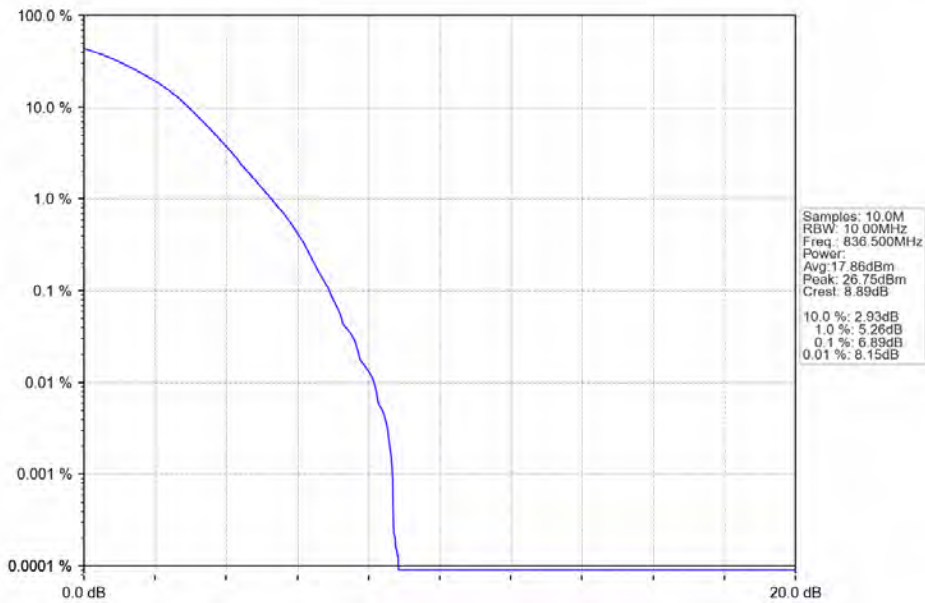
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n5 30kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 829MHz Outer Full



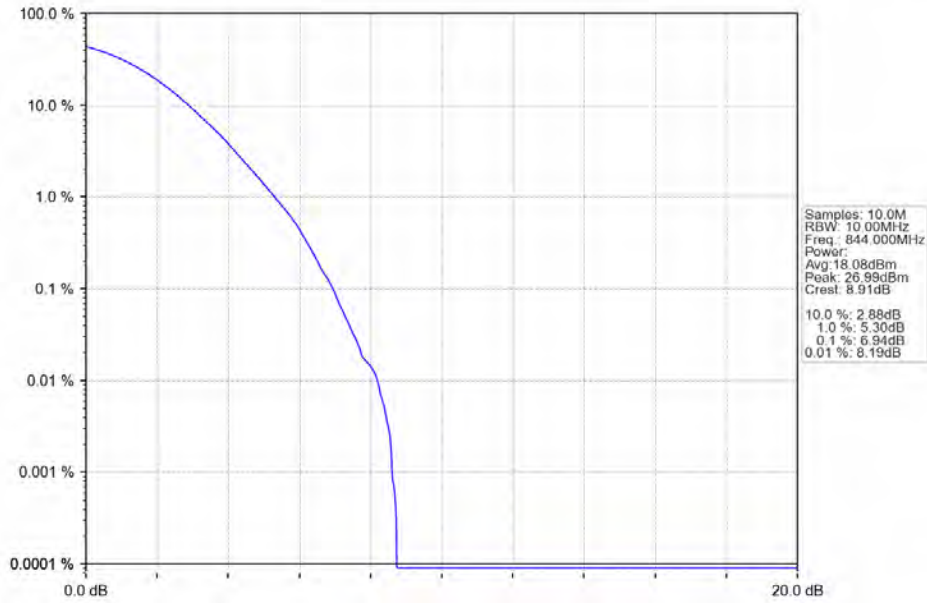
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n5 30kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 836.5MHz Outer Full



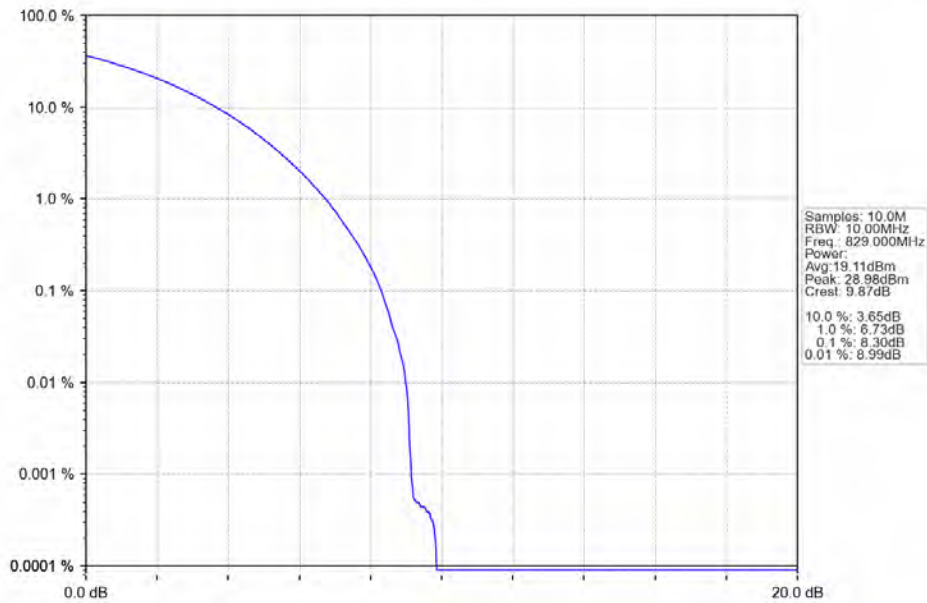
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n5 30kHz SISO NTN 10MHz DFT-s-OFDM 256 QAM 844MHz Outer Full



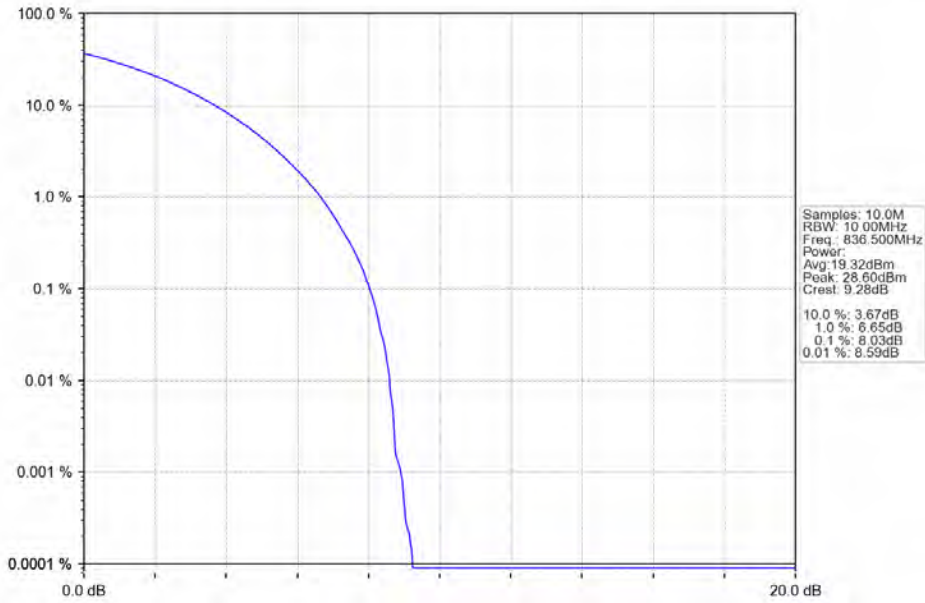
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n5 30kHz SISO NTN 10MHz CP-OFDM QPSK 829MHz Outer Full



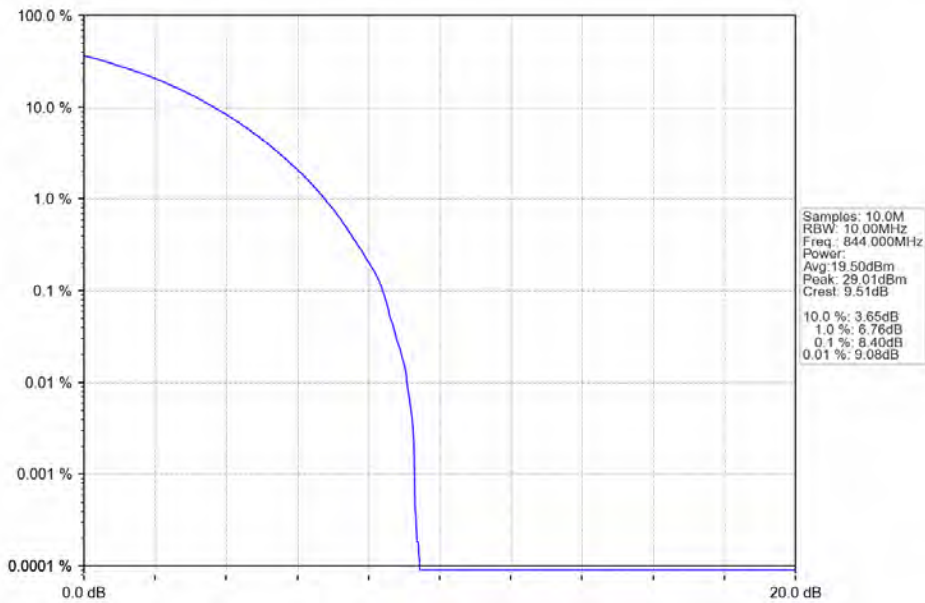
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n5 30kHz SISO NTN 10MHz CP-OFDM QPSK 836.5MHz Outer Full



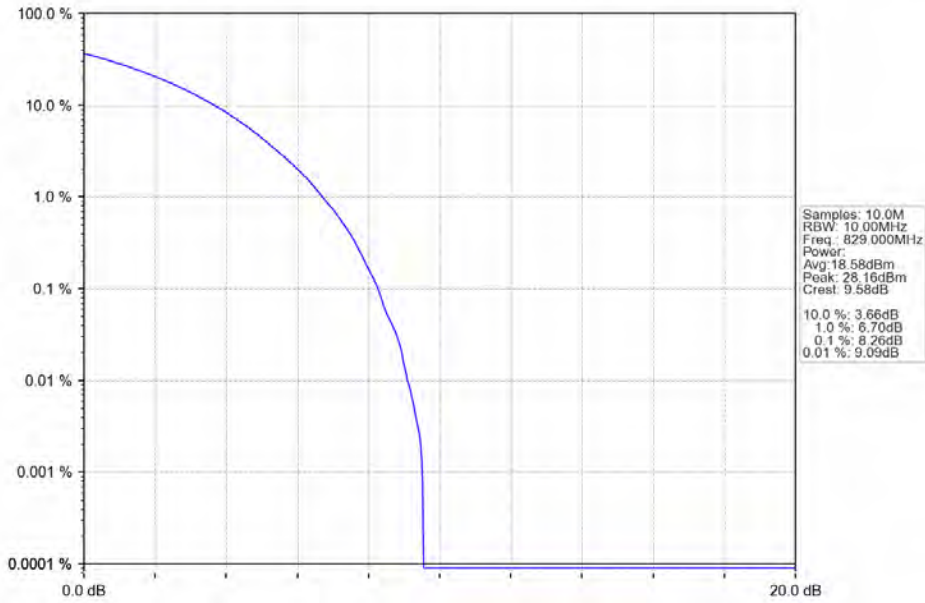
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n5 30kHz SISO NTN 10MHz CP-OFDM QPSK 844MHz Outer Full



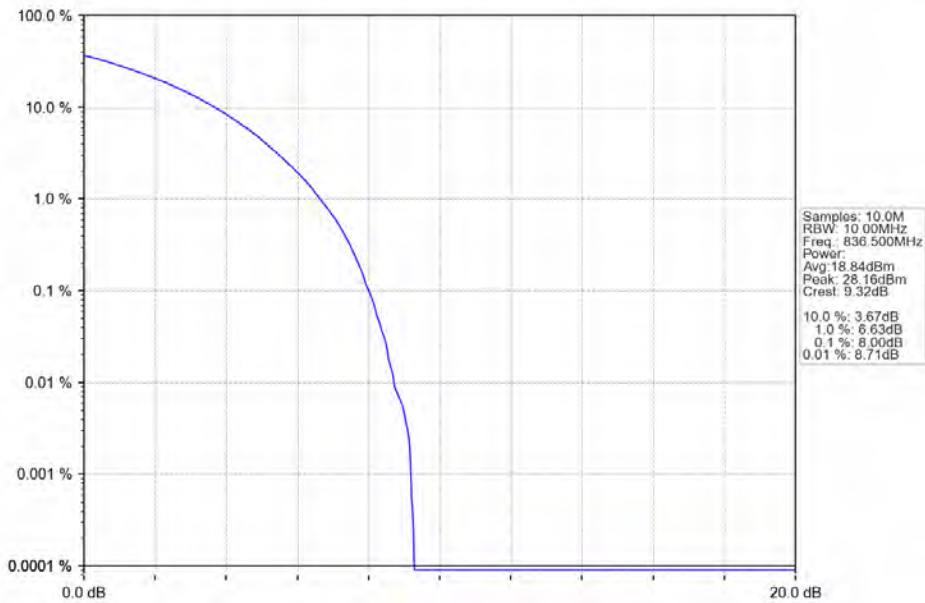
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n5 30kHz SISO NTN 10MHz CP-OFDM 16 QAM 829MHz Outer Full



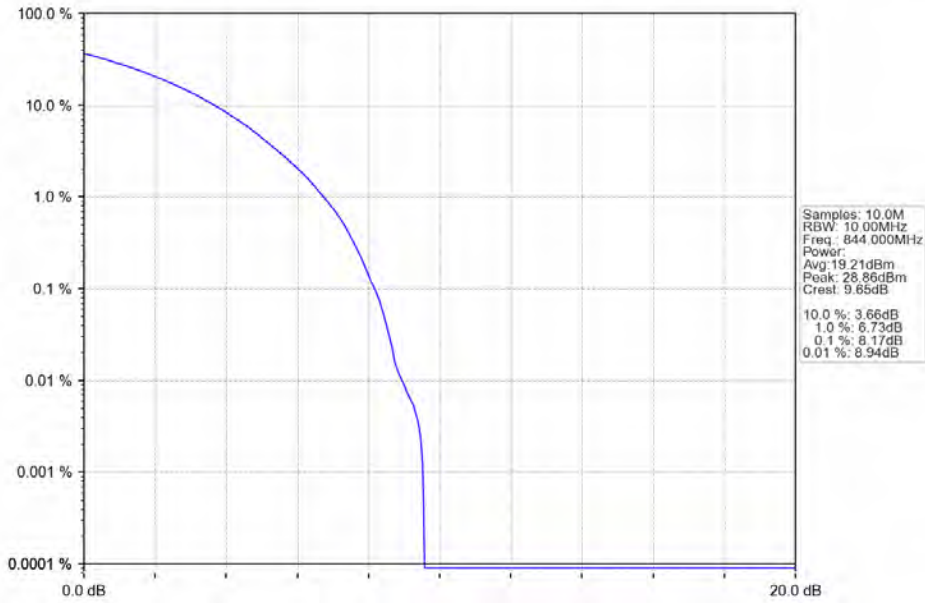
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n5 30kHz SISO NTN 10MHz CP-OFDM 16 QAM 836.5MHz Outer Full



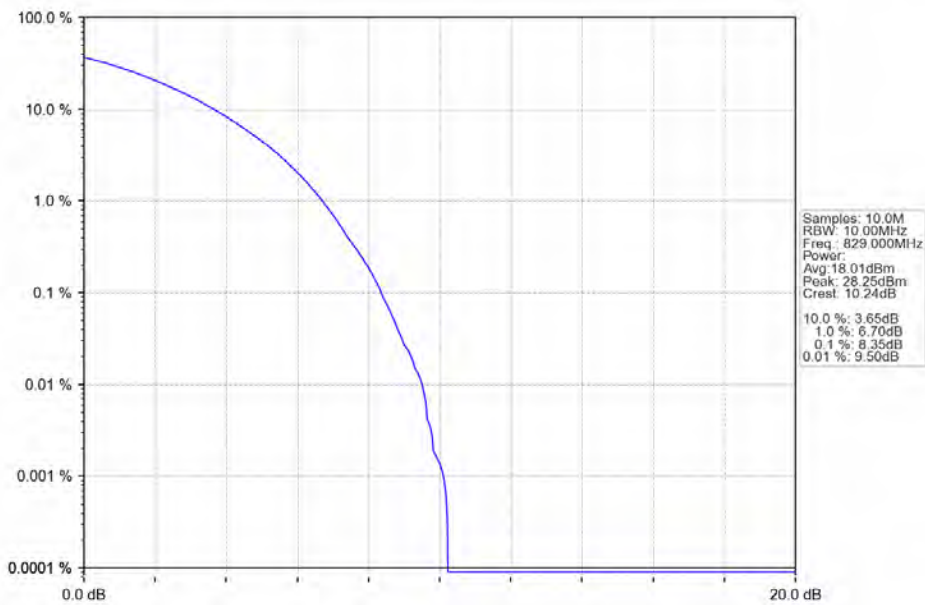
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n5 30kHz SISO NTN 10MHz CP-OFDM 16 QAM 844MHz Outer Full



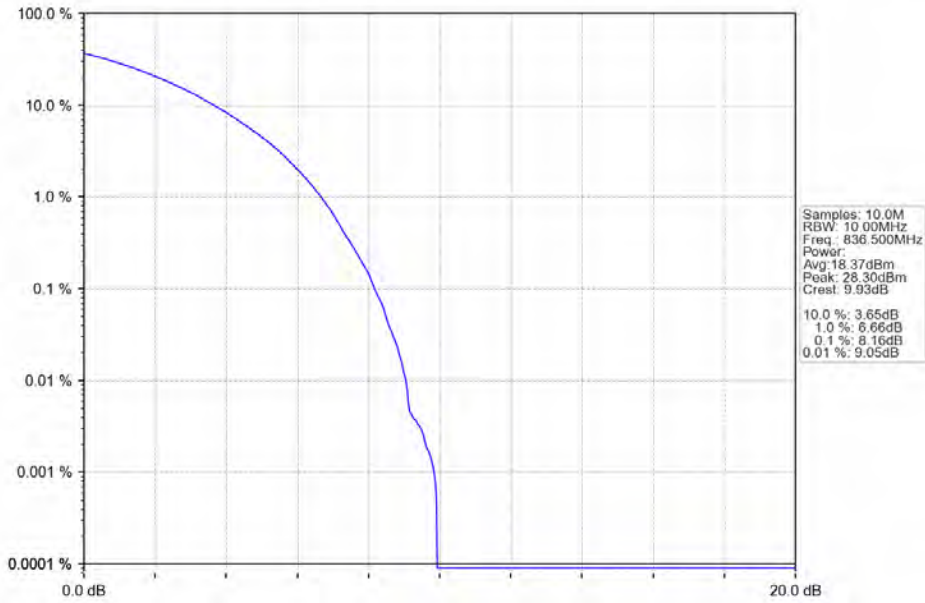
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n5 30kHz SISO NTN 10MHz CP-OFDM 64 QAM 829MHz Outer Full



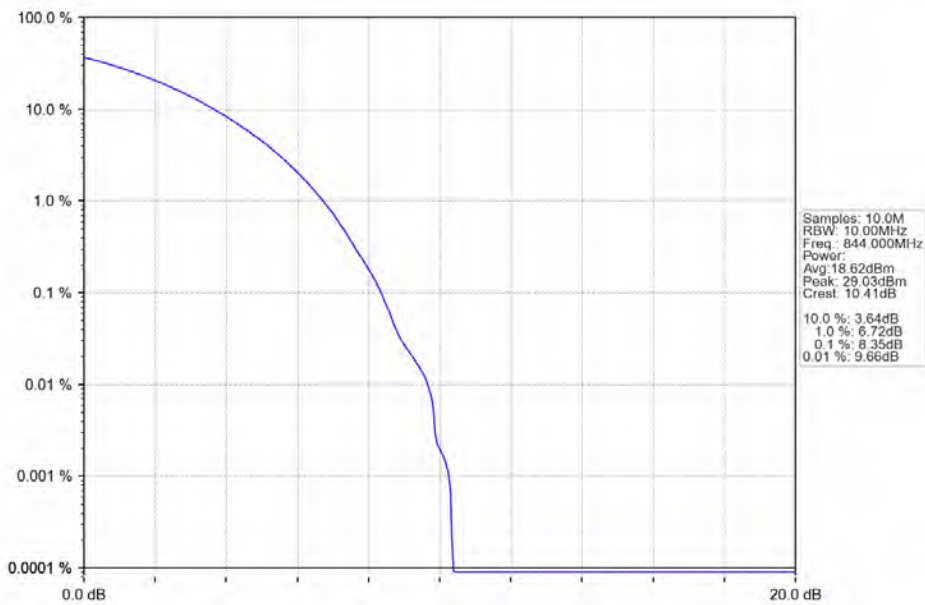
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n5 30kHz SISO NTV 10MHz CP-OFDM 64 QAM 836.5MHz Outer Full



2024-09-10 14:09:41

n5 30kHz SISO NTV 10MHz CP-OFDM 64 QAM 844MHz Outer Full



2024-09-10 14:23:36