

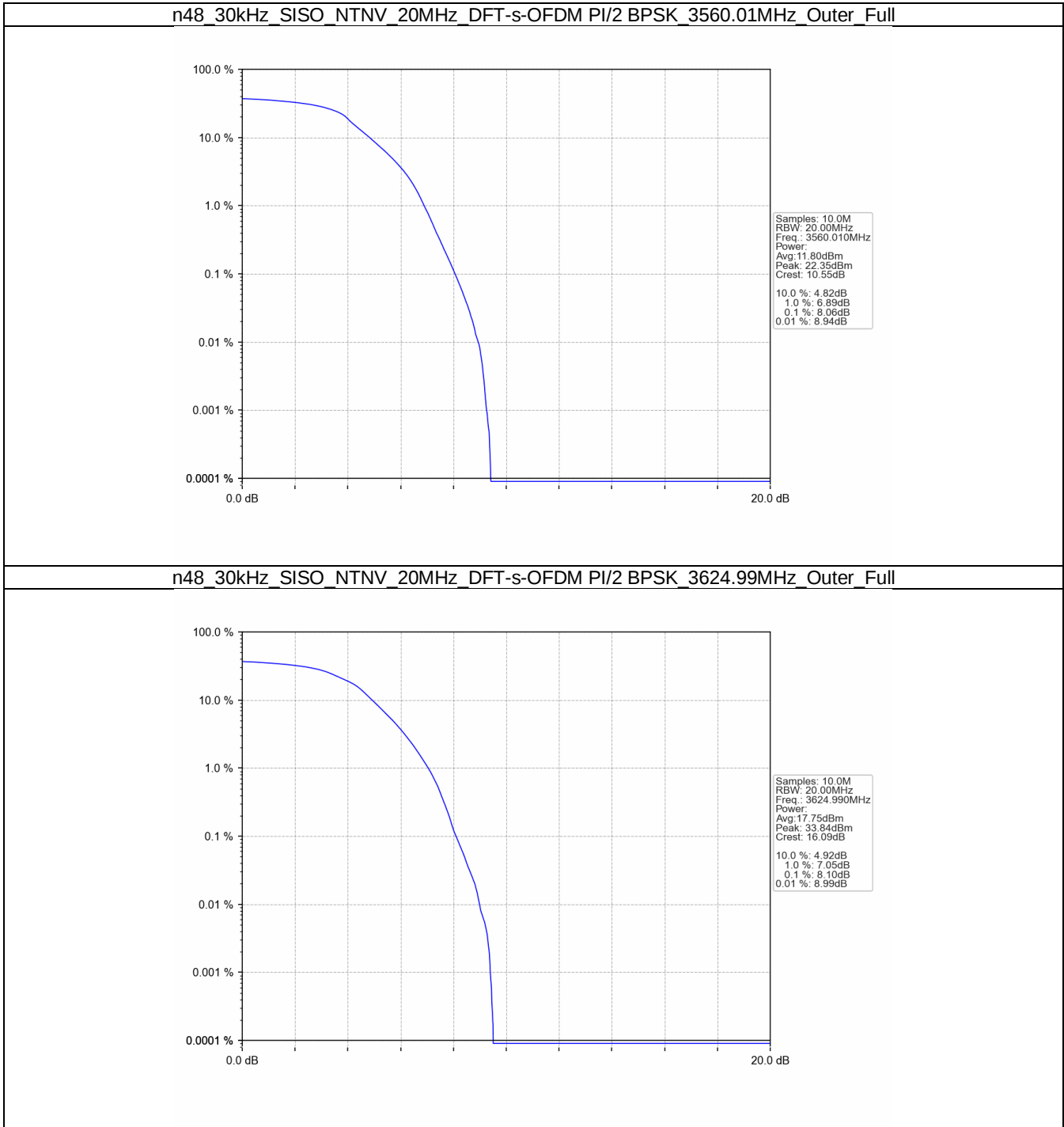
1. Peak-Average Ratio

1.1 30k_SISO_20MHz_NTNV

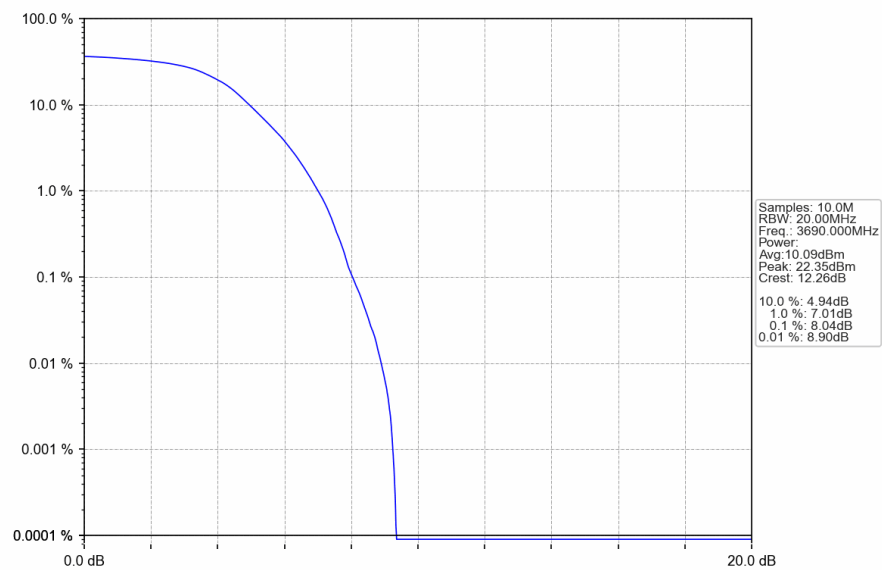
1.1.1 Test Result

5G NR n48 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3560.01	Outer_Full	8.06	/	/	<=13	Pass
	3624.99	Outer_Full	8.10	/	/	<=13	Pass
	3690	Outer_Full	8.04	/	/	<=13	Pass
DFT-s-OFDM QPSK	3560.01	Outer_Full	9.14	/	/	<=13	Pass
	3624.99	Outer_Full	9.93	/	/	<=13	Pass
	3690	Outer_Full	8.87	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3560.01	Outer_Full	9.56	/	/	<=13	Pass
	3624.99	Outer_Full	10.07	/	/	<=13	Pass
	3690	Outer_Full	9.30	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3560.01	Outer_Full	9.95	/	/	<=13	Pass
	3624.99	Outer_Full	10.36	/	/	<=13	Pass
	3690	Outer_Full	10.07	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3560.01	Outer_Full	10.04	/	/	<=13	Pass
	3624.99	Outer_Full	10.40	/	/	<=13	Pass
	3690	Outer_Full	10.18	/	/	<=13	Pass
CP-OFDM QPSK	3560.01	Outer_Full	11.11	/	/	<=13	Pass
	3624.99	Outer_Full	11.33	/	/	<=13	Pass
	3690	Outer_Full	11.17	/	/	<=13	Pass
CP-OFDM 16 QAM	3560.01	Outer_Full	11.24	/	/	<=13	Pass
	3624.99	Outer_Full	12.05	/	/	<=13	Pass
	3690	Outer_Full	10.27	/	/	<=13	Pass
CP-OFDM 64 QAM	3560.01	Outer_Full	10.95	/	/	<=13	Pass
	3624.99	Outer_Full	11.80	/	/	<=13	Pass
	3690	Outer_Full	10.90	/	/	<=13	Pass
CP-OFDM 256 QAM	3560.01	Outer_Full	11.97	/	/	<=13	Pass
	3624.99	Outer_Full	10.81	/	/	<=13	Pass
	3690	Outer_Full	11.95	/	/	<=13	Pass

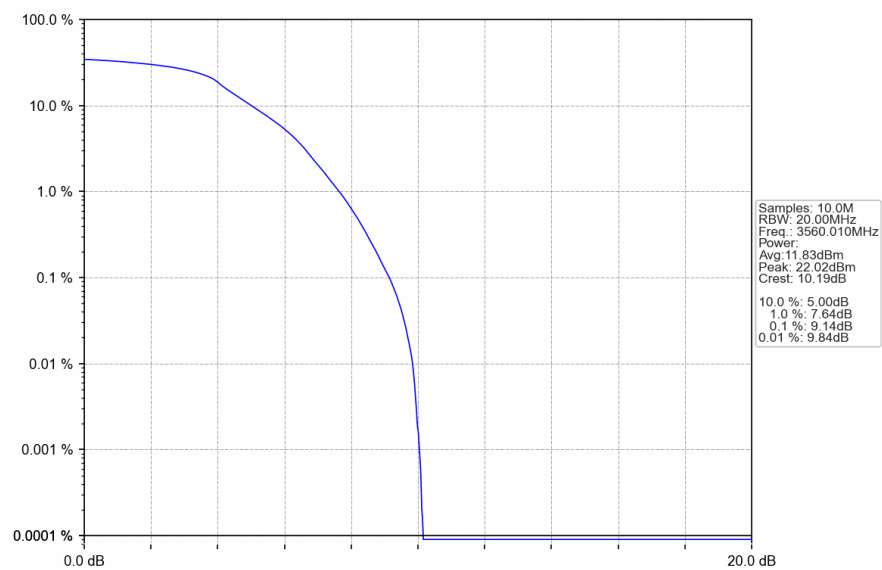
1.1.2 Test Graph



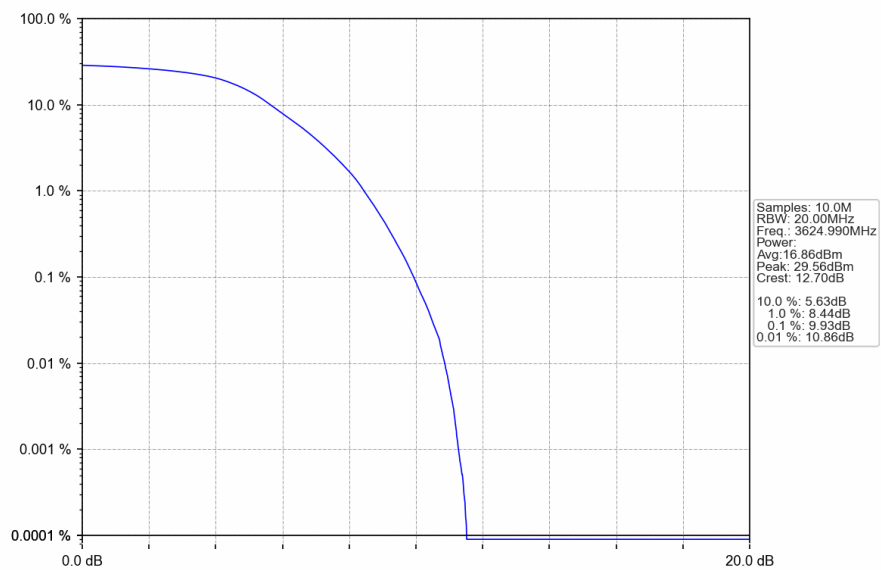
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3690MHz_Outer_Full



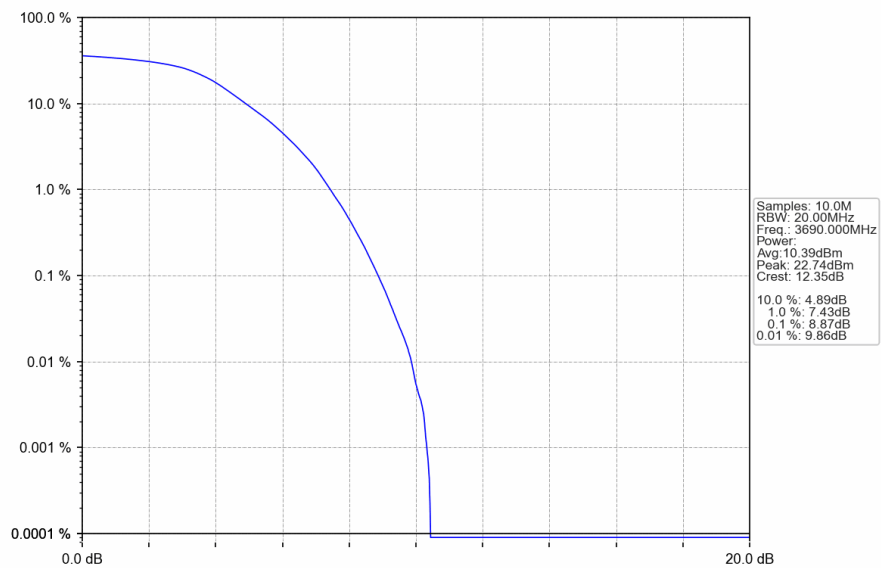
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3560.01MHz_Outer_Full



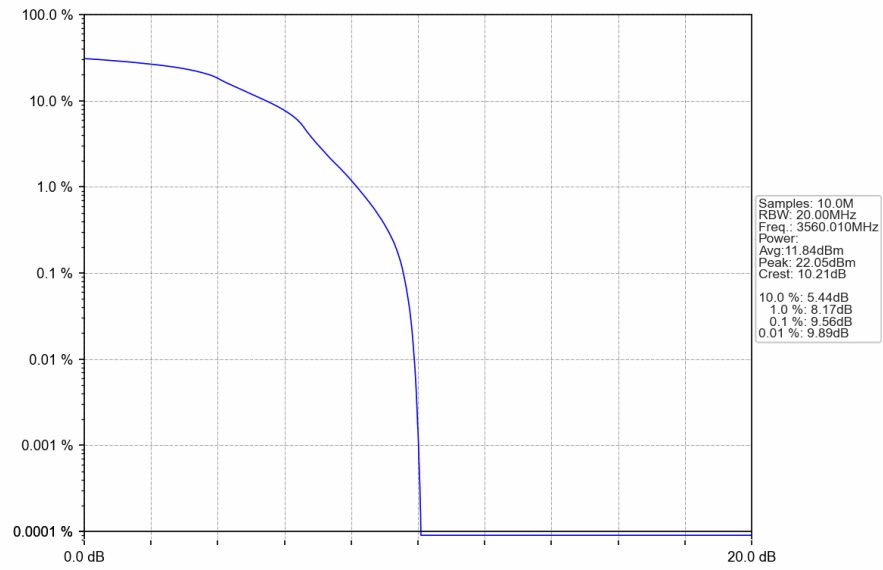
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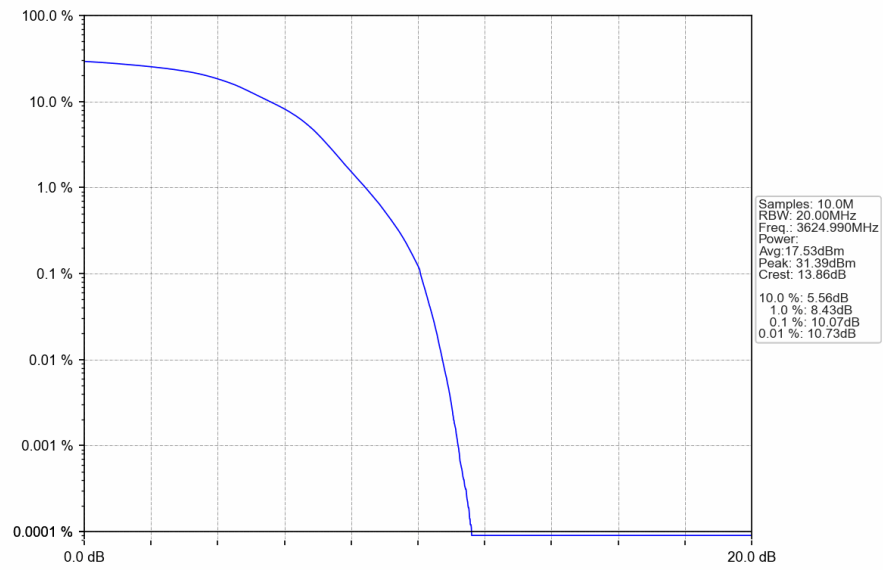
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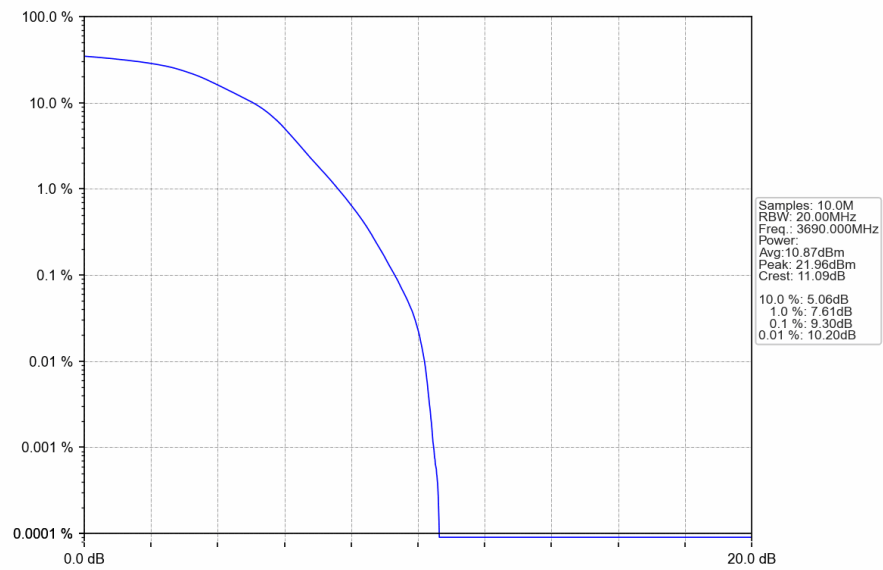
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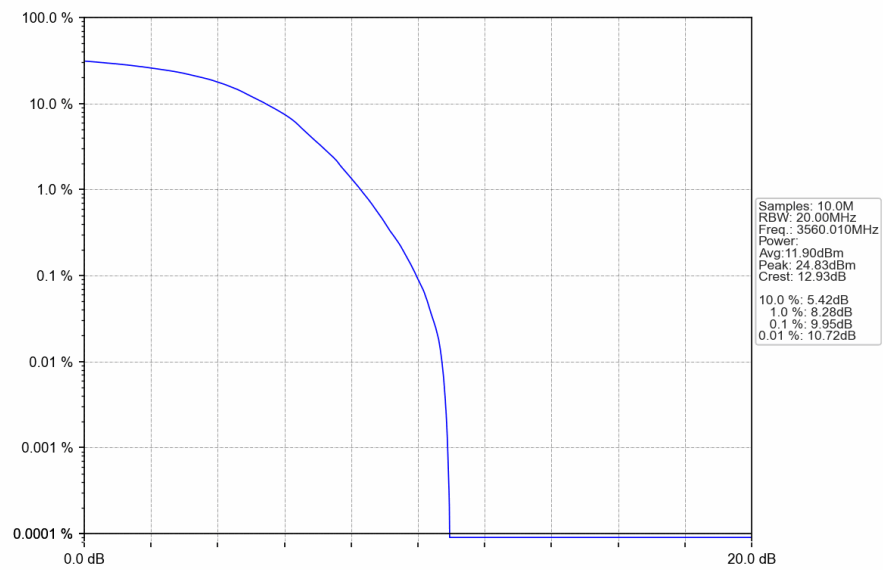
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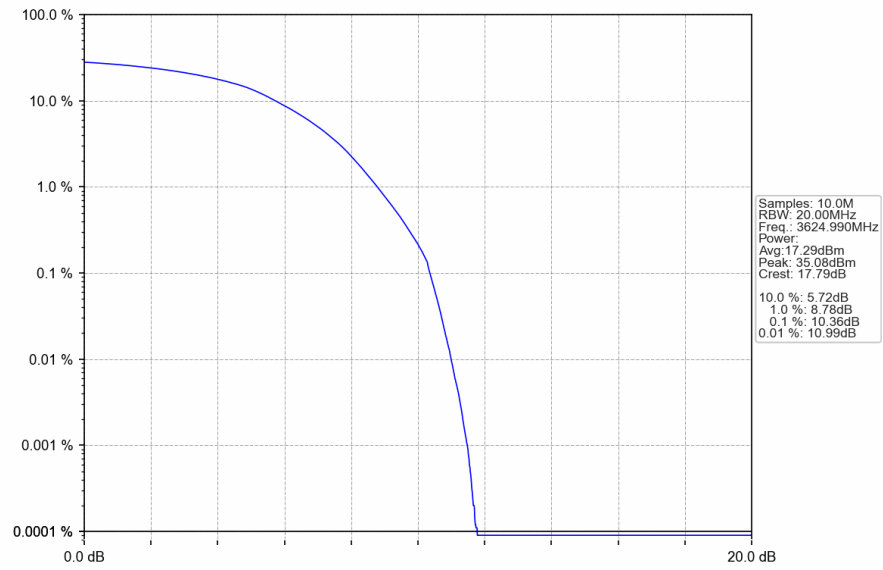
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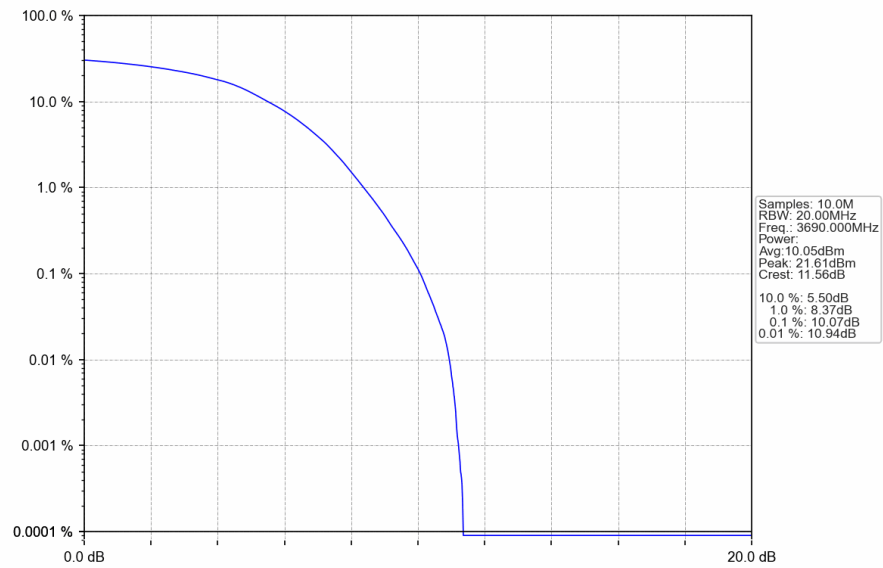
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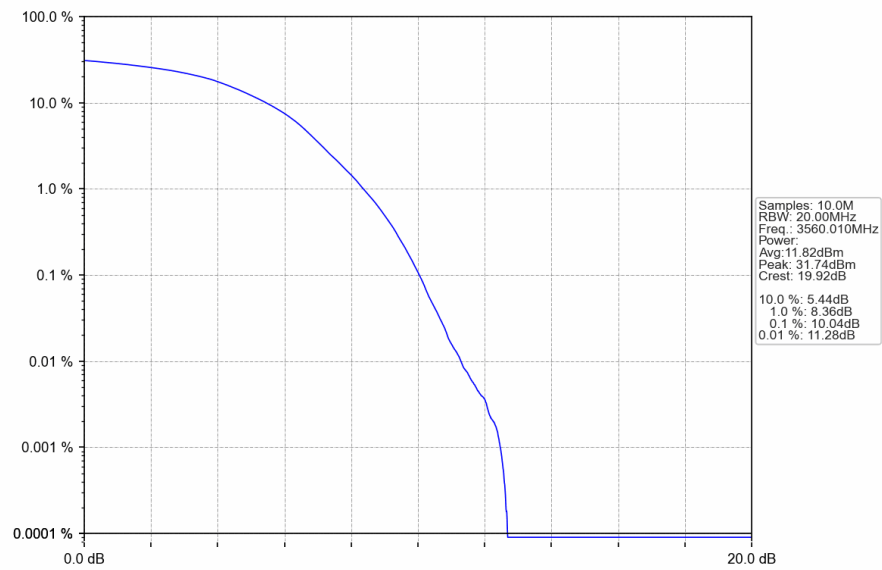
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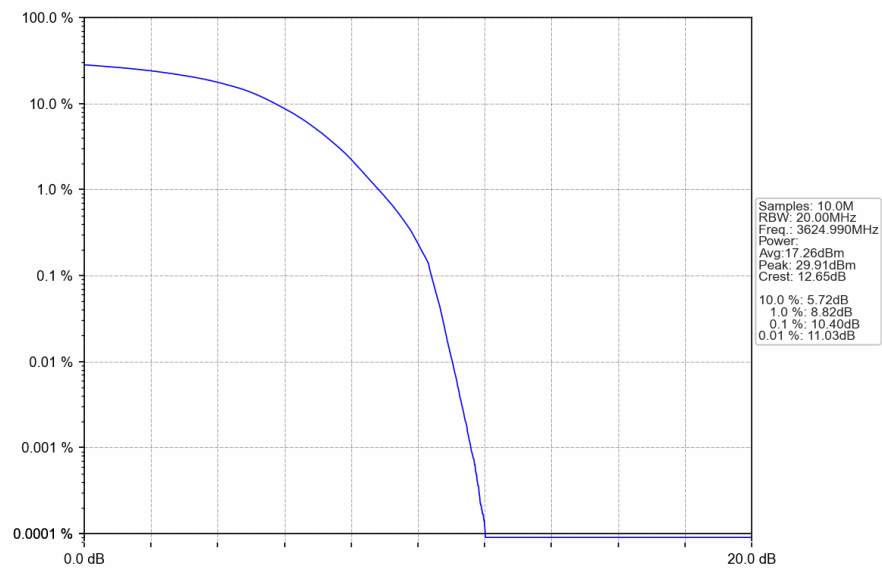
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_3690MHz_Outer_Full



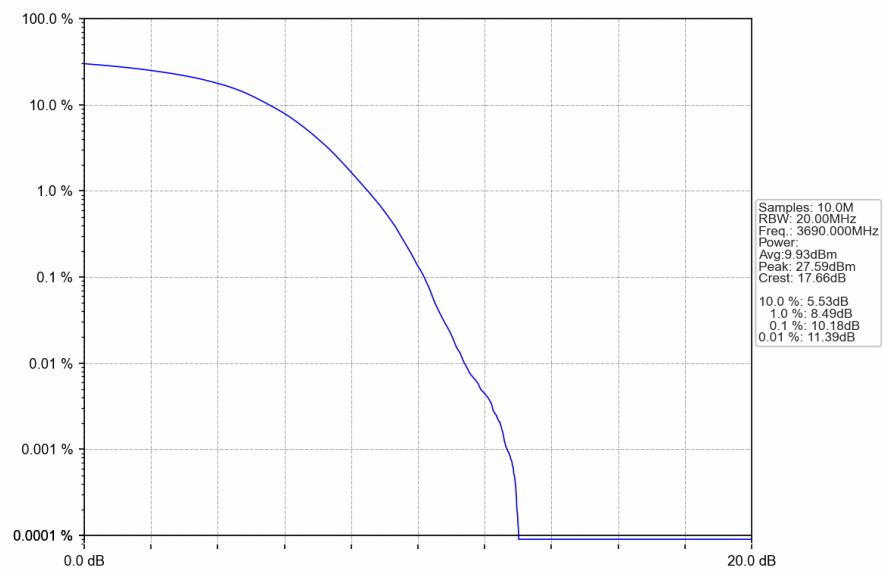
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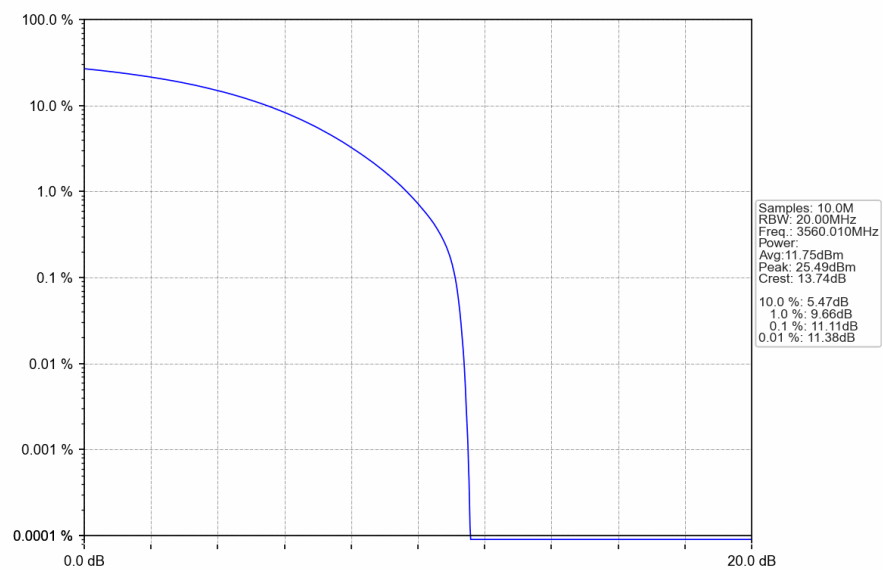
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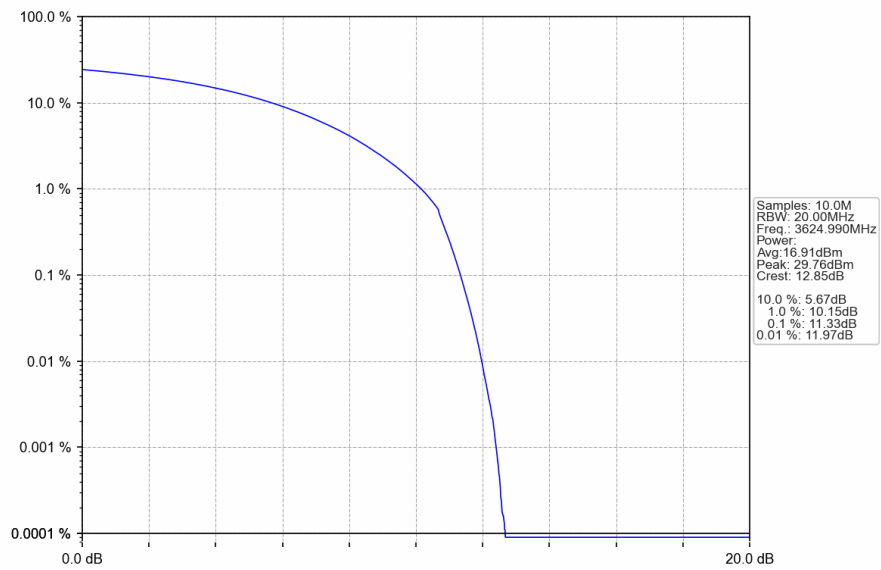
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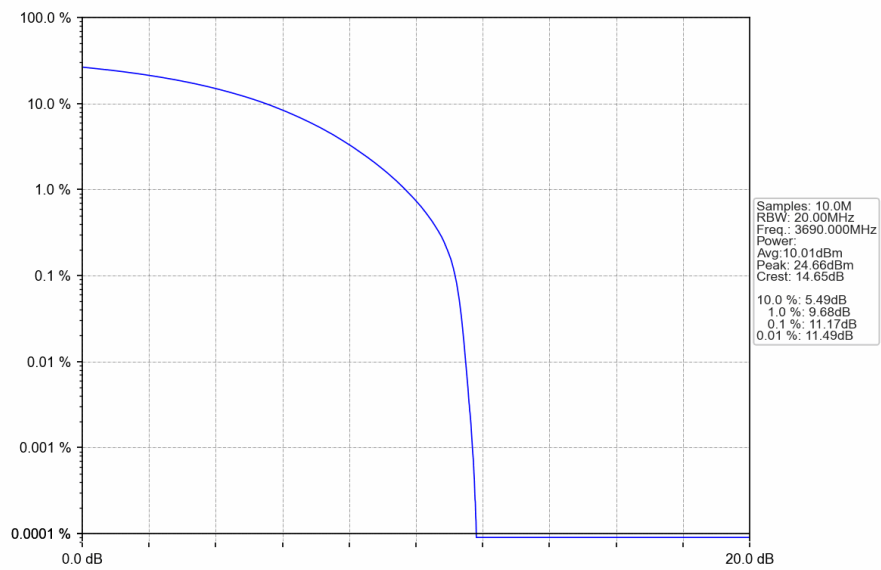
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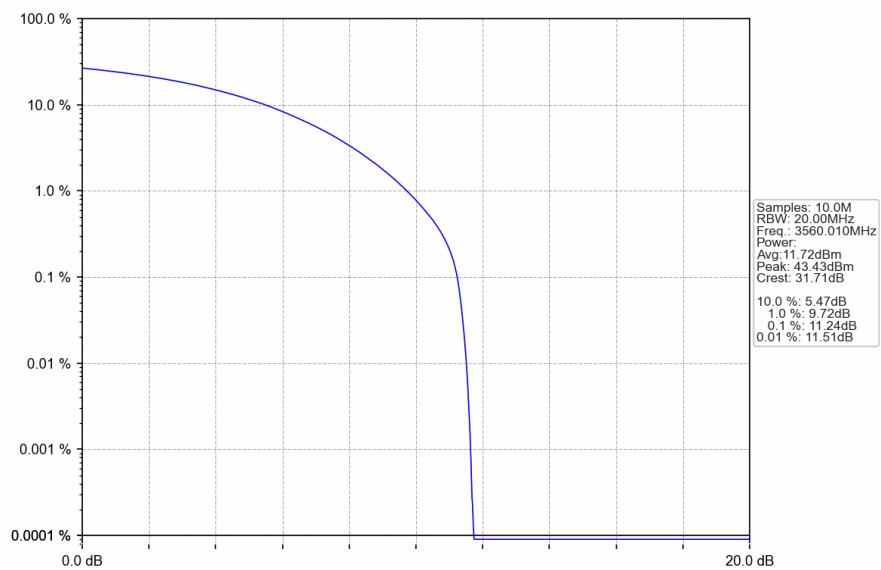
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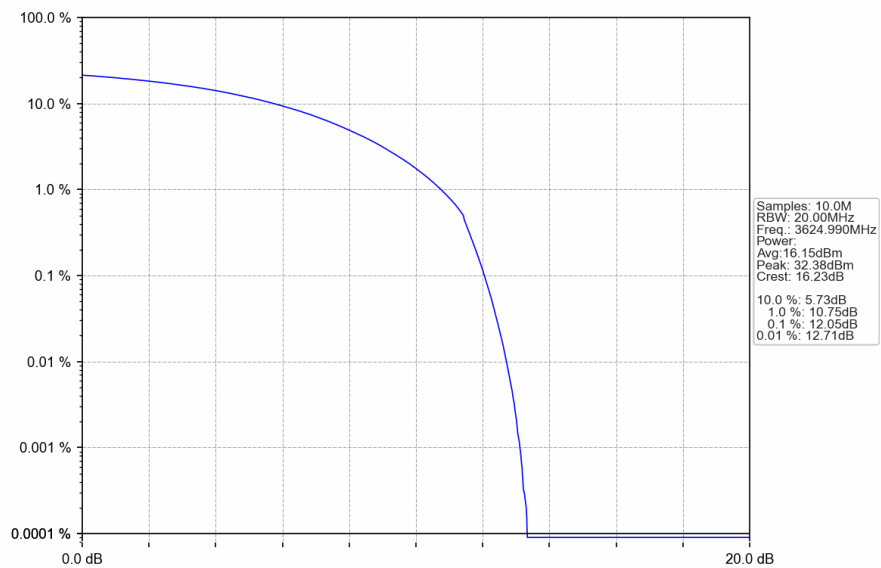
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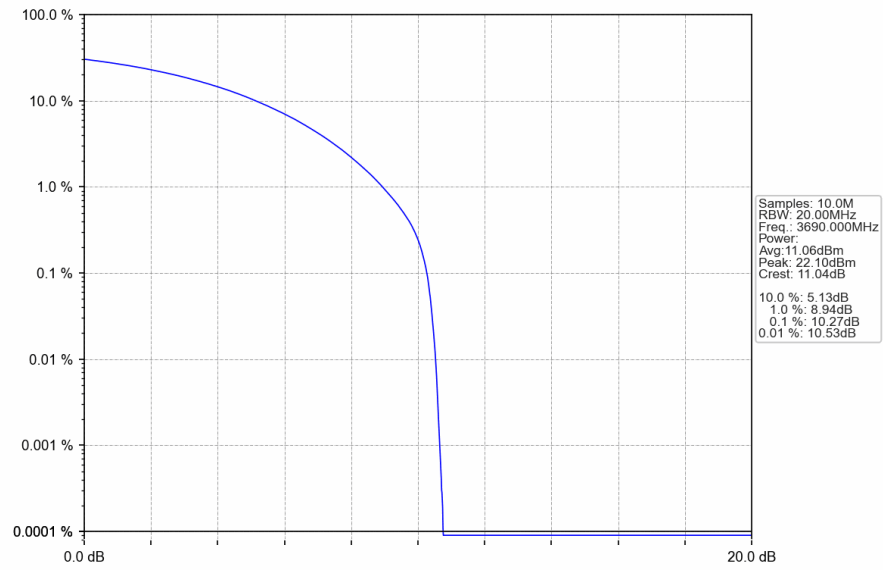
n48_30kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_3560.01MHz_Outer_Full



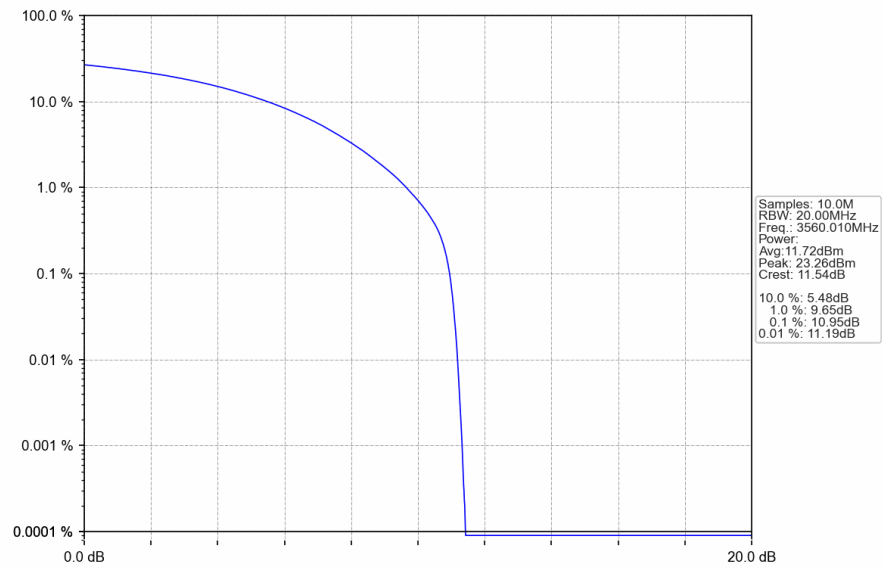
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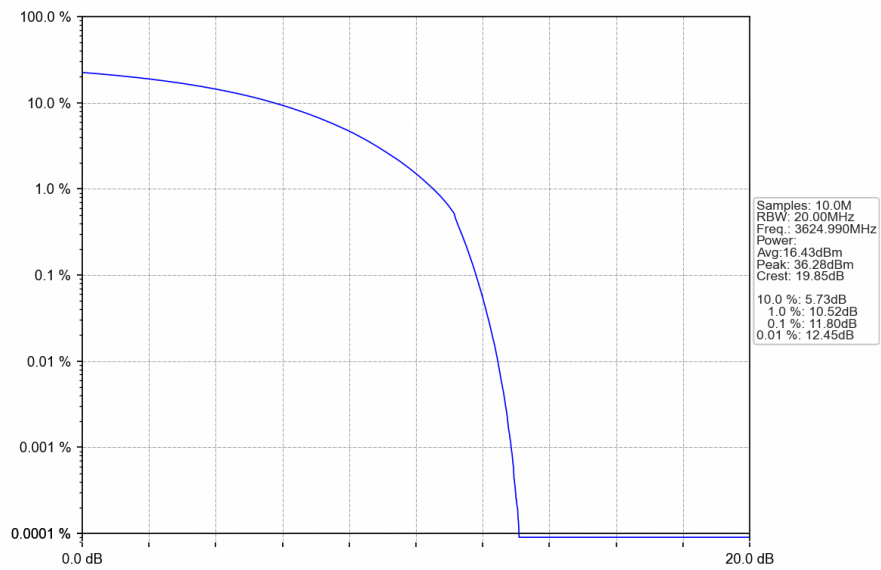
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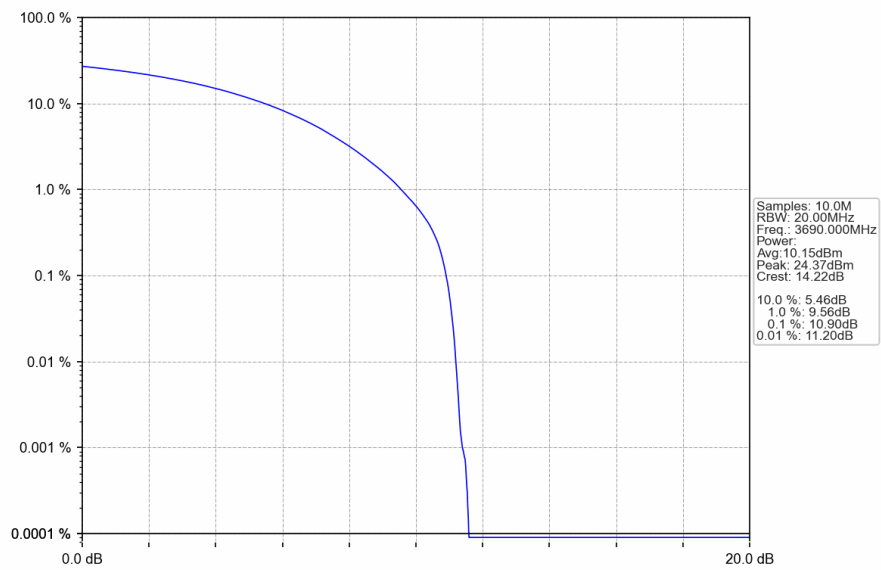
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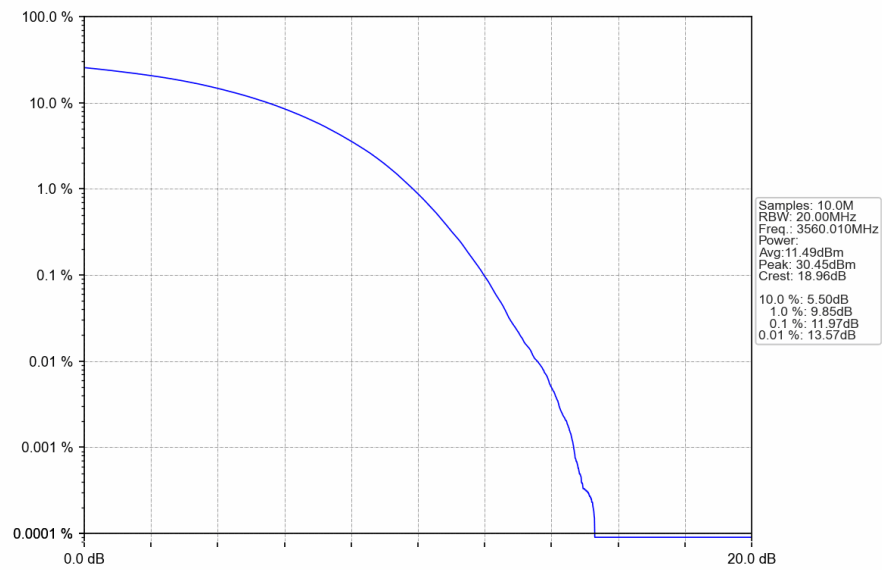
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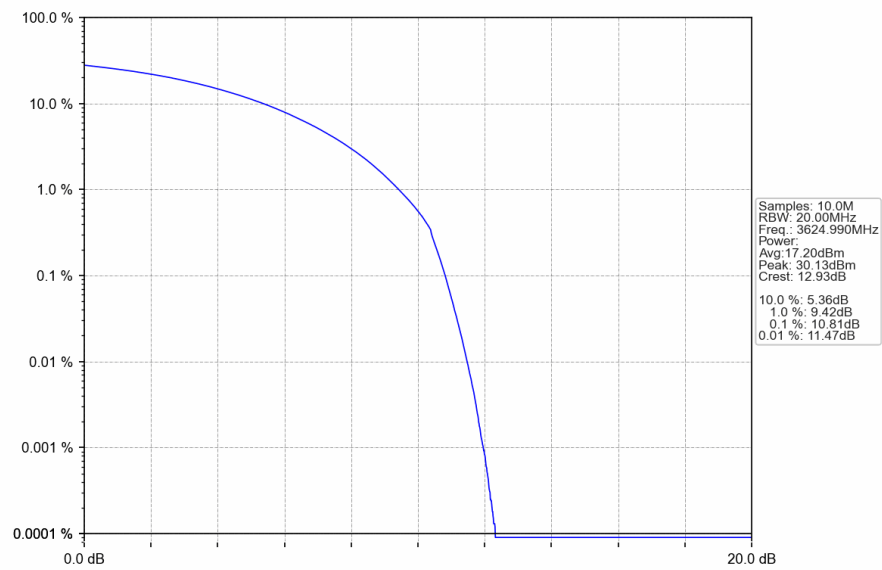
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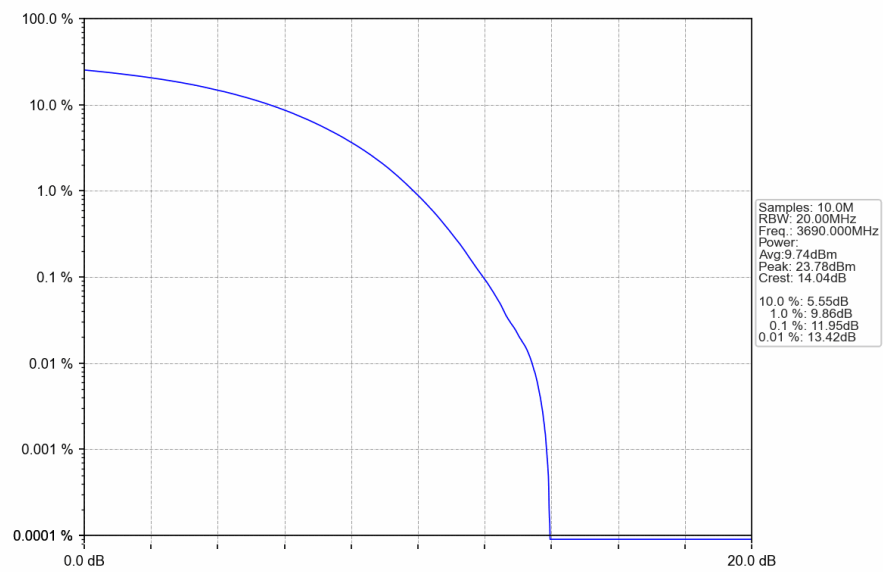


n48_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3560.01MHz_Outer_Full



n48_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Outer_Full



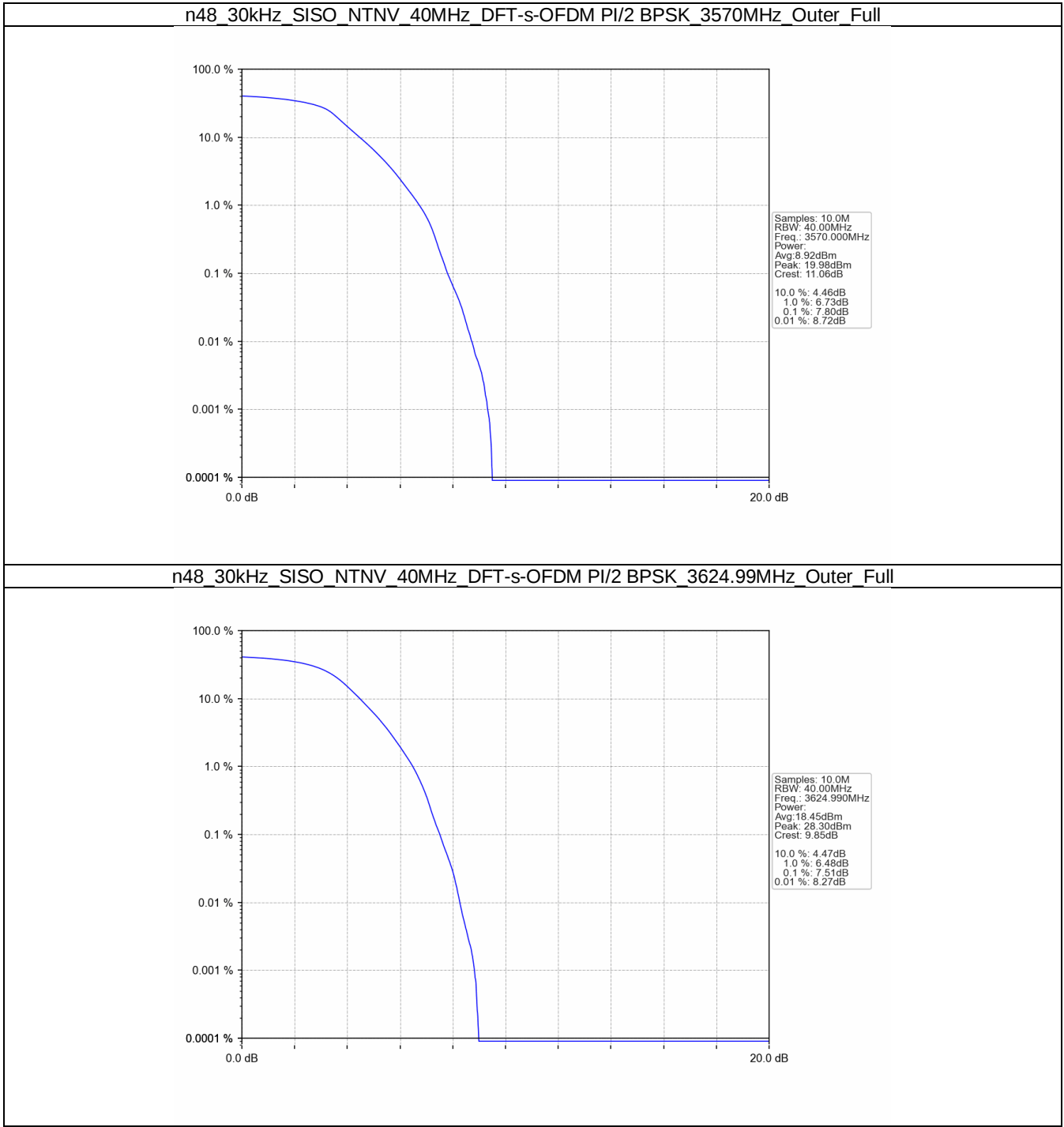


1.2 30k_SISO_40MHz_NTNV

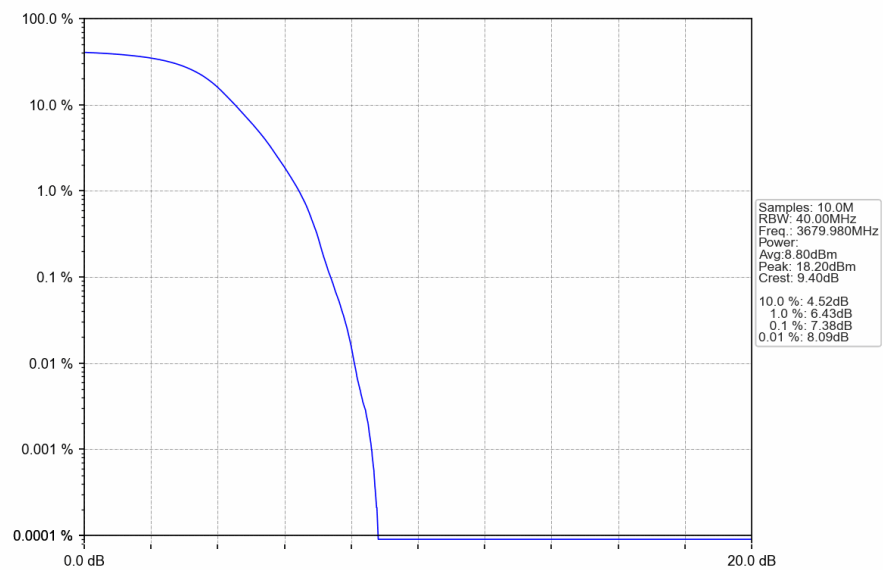
1.2.1 Test Result

5G NR n48 SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3570	Outer_Full	7.80	/	/	<=13	Pass
	3624.99	Outer_Full	7.51	/	/	<=13	Pass
	3679.98	Outer_Full	7.38	/	/	<=13	Pass
DFT-s-OFDM QPSK	3570	Outer_Full	9.15	/	/	<=13	Pass
	3624.99	Outer_Full	9.14	/	/	<=13	Pass
	3679.98	Outer_Full	8.93	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3570	Outer_Full	9.26	/	/	<=13	Pass
	3624.99	Outer_Full	8.57	/	/	<=13	Pass
	3679.98	Outer_Full	10.09	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3570	Outer_Full	10.00	/	/	<=13	Pass
	3624.99	Outer_Full	9.56	/	/	<=13	Pass
	3679.98	Outer_Full	9.97	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3570	Outer_Full	10.44	/	/	<=13	Pass
	3624.99	Outer_Full	10.32	/	/	<=13	Pass
	3679.98	Outer_Full	9.45	/	/	<=13	Pass
CP-OFDM QPSK	3570	Outer_Full	11.64	/	/	<=13	Pass
	3624.99	Outer_Full	11.01	/	/	<=13	Pass
	3679.98	Outer_Full	11.43	/	/	<=13	Pass
CP-OFDM 16 QAM	3570	Outer_Full	11.81	/	/	<=13	Pass
	3624.99	Outer_Full	11.13	/	/	<=13	Pass
	3679.98	Outer_Full	11.29	/	/	<=13	Pass
CP-OFDM 64 QAM	3570	Outer_Full	11.79	/	/	<=13	Pass
	3624.99	Outer_Full	10.46	/	/	<=13	Pass
	3679.98	Outer_Full	11.74	/	/	<=13	Pass
CP-OFDM 256 QAM	3570	Outer_Full	11.60	/	/	<=13	Pass
	3624.99	Outer_Full	11.42	/	/	<=13	Pass
	3679.98	Outer_Full	11.35	/	/	<=13	Pass

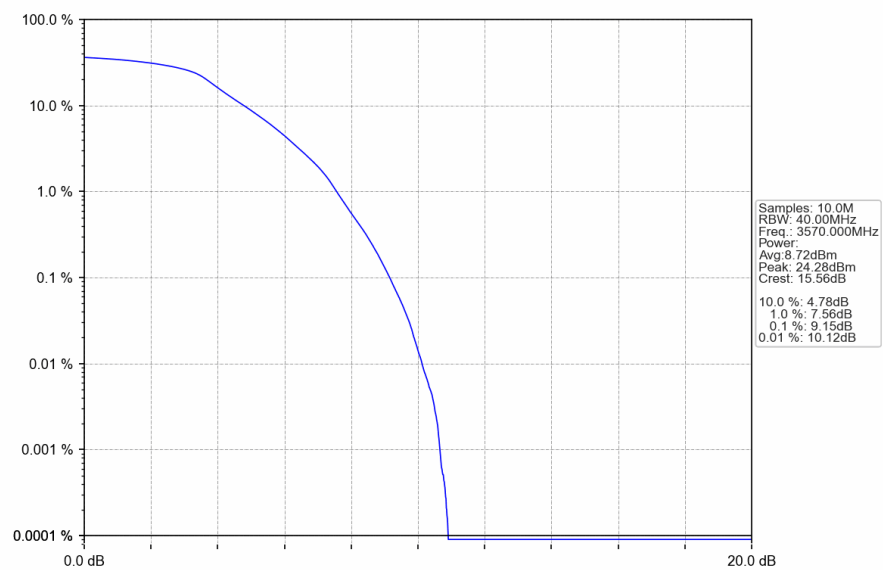
1.2.2 Test Graph



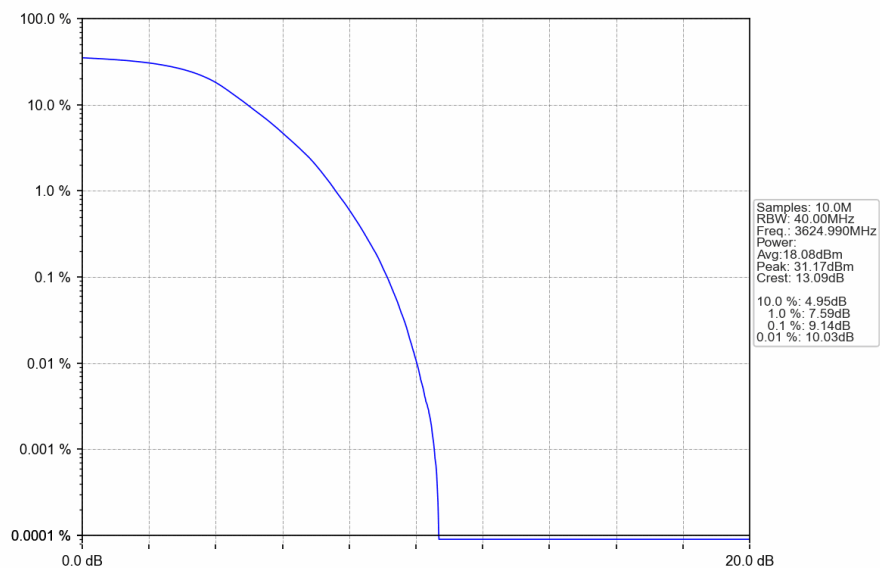
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3679.98MHz_Outer_Full



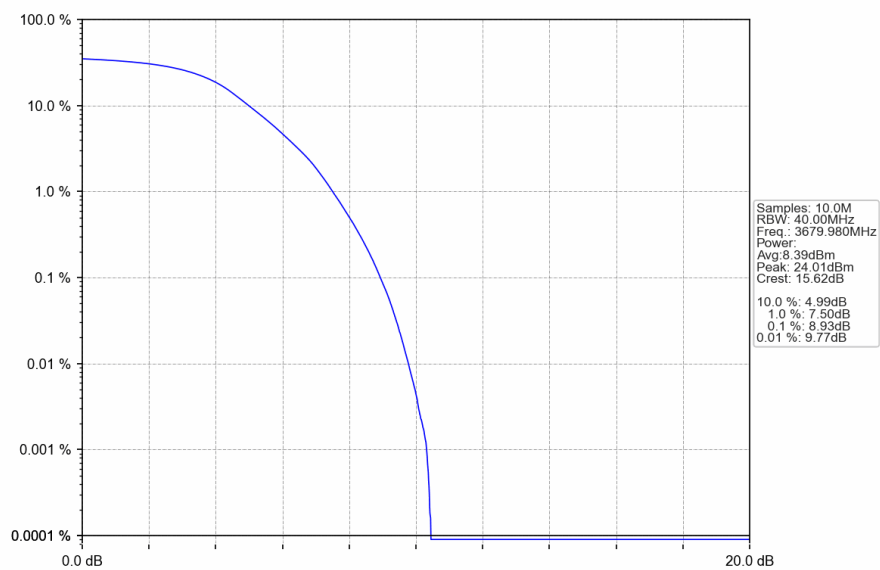
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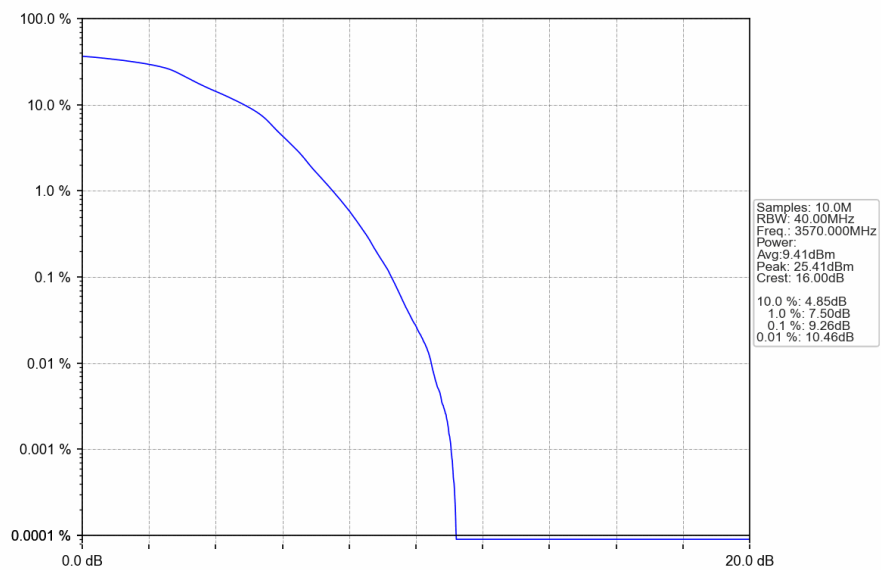
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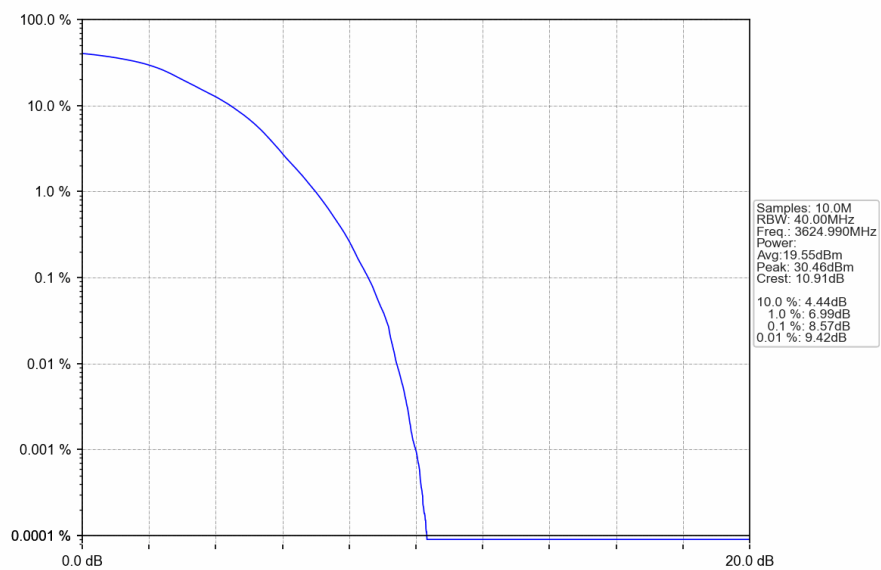
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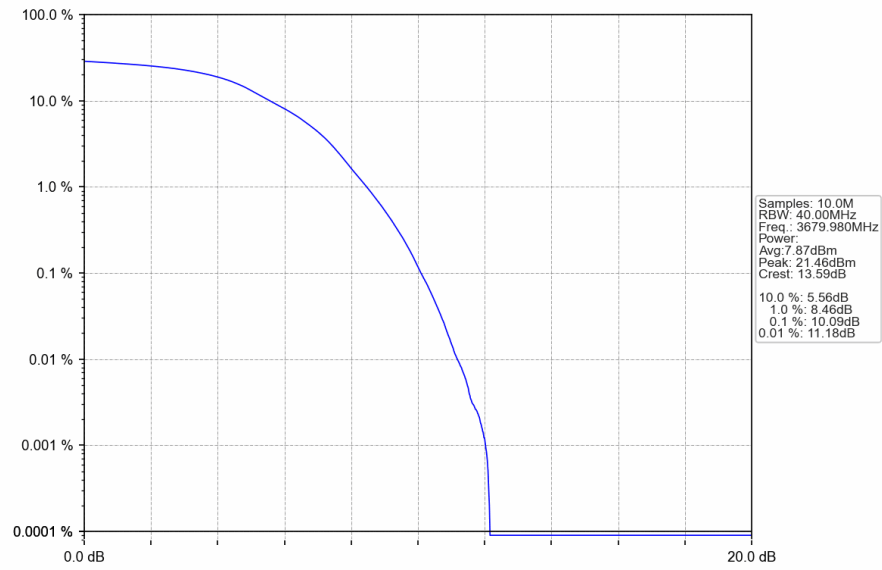
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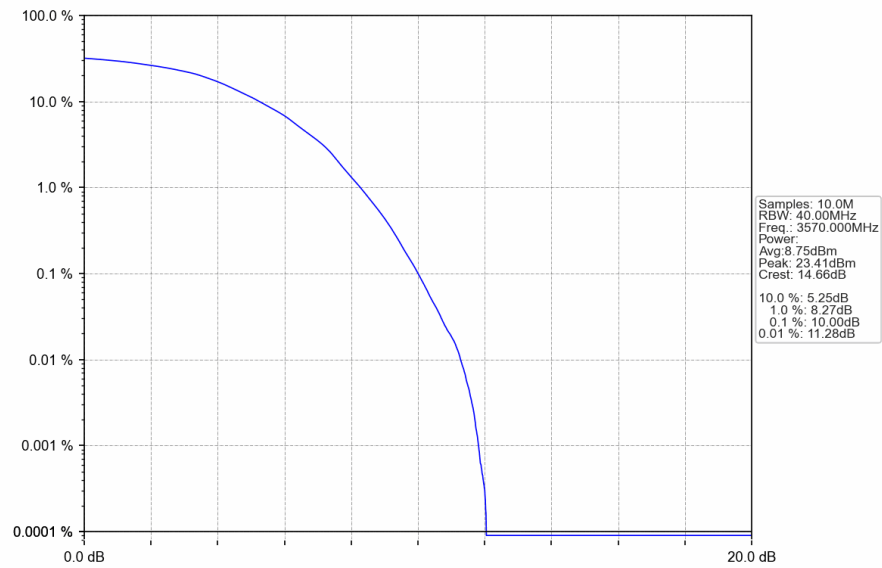
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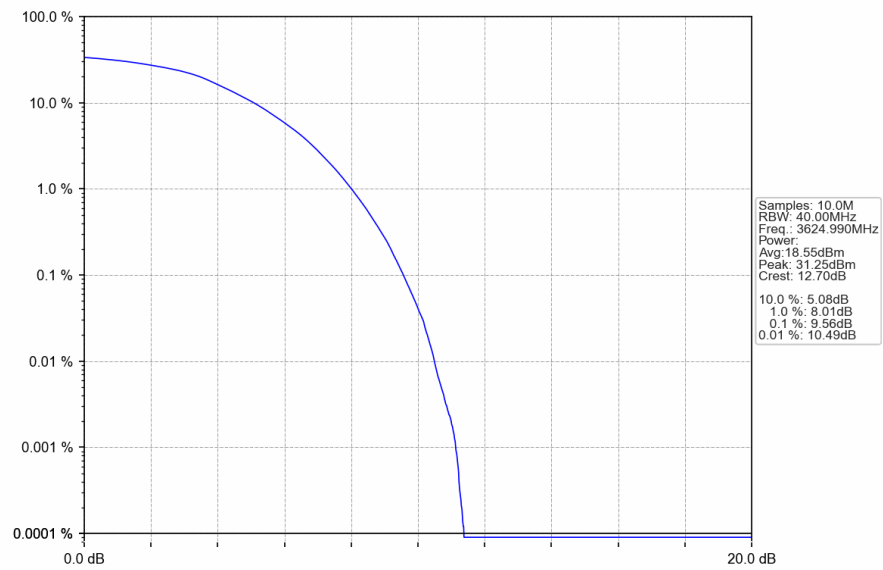
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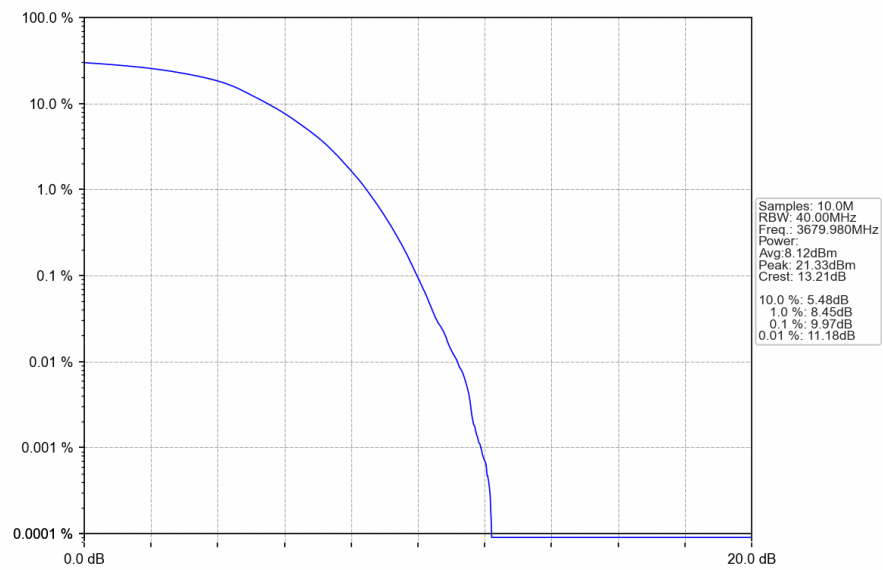
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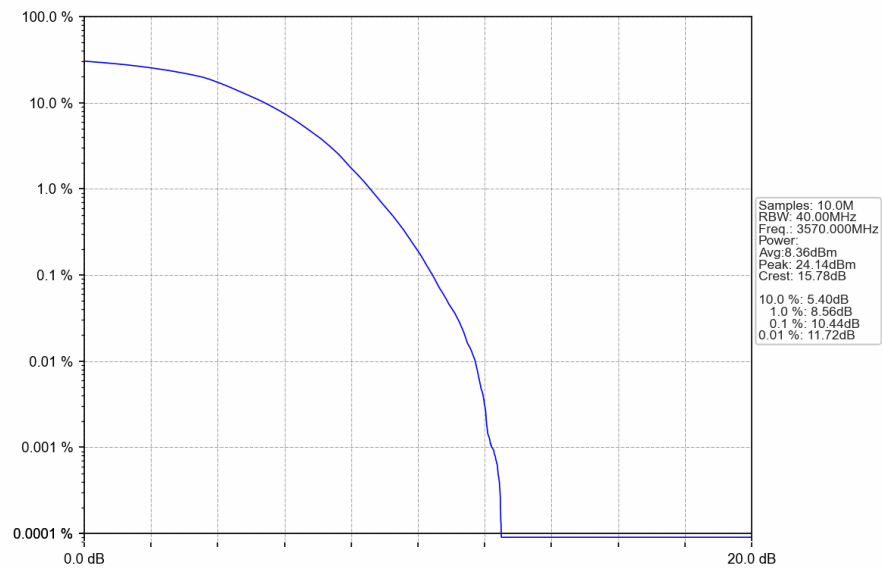
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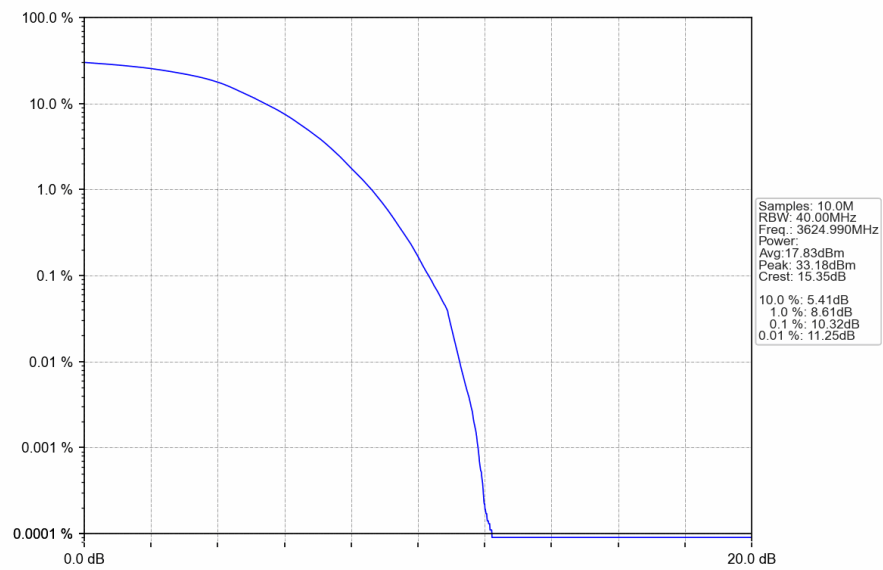
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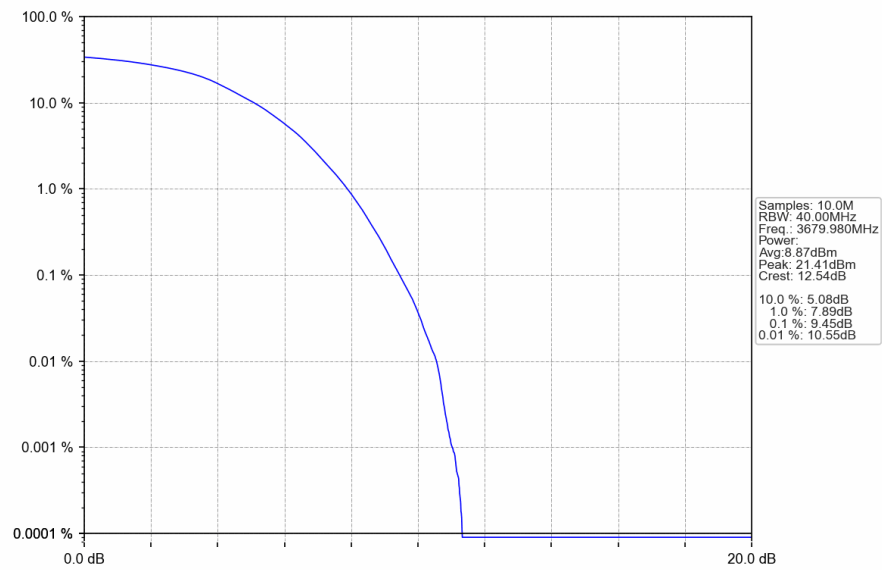
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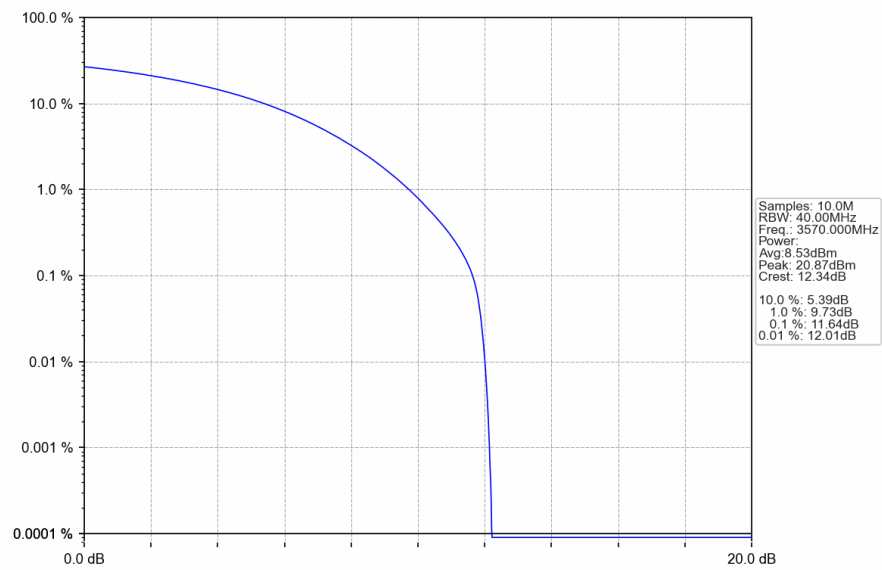
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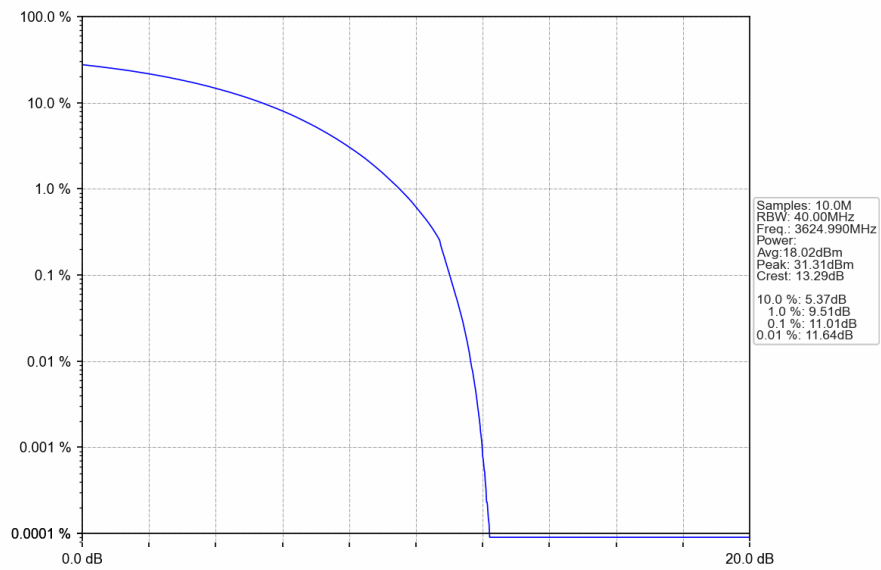
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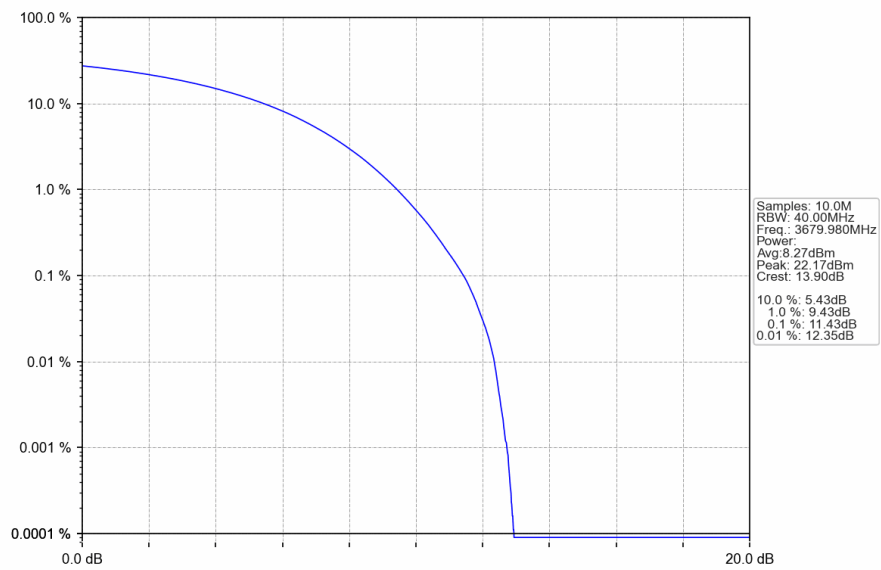
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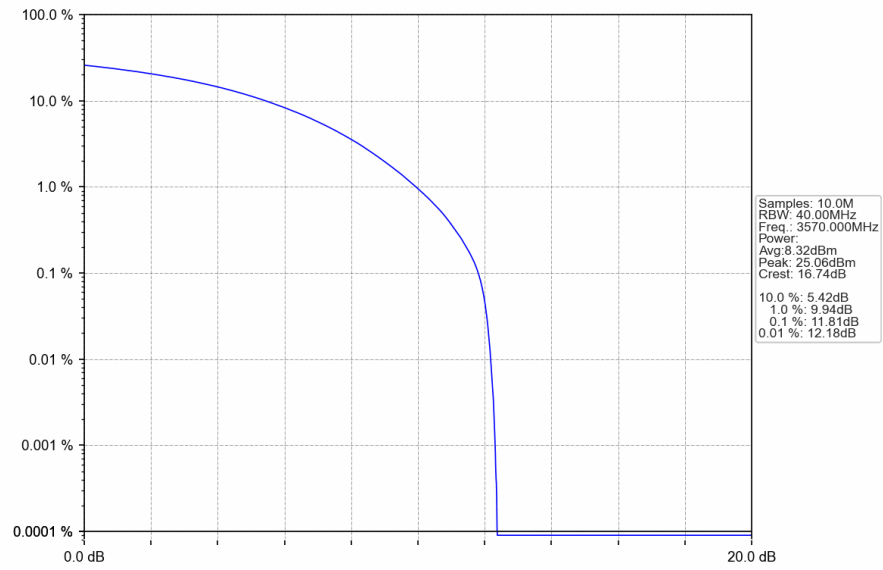
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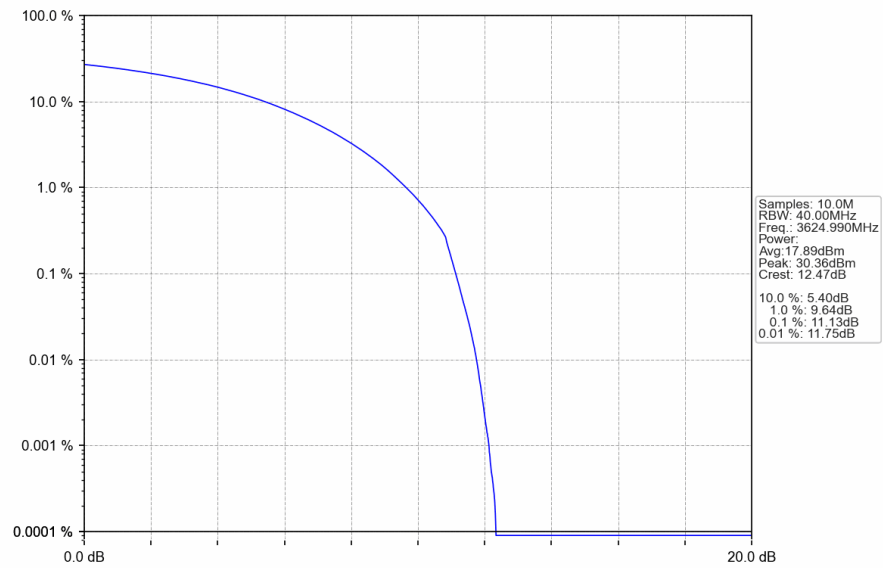
n48_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3679.98MHz_Outer_Full



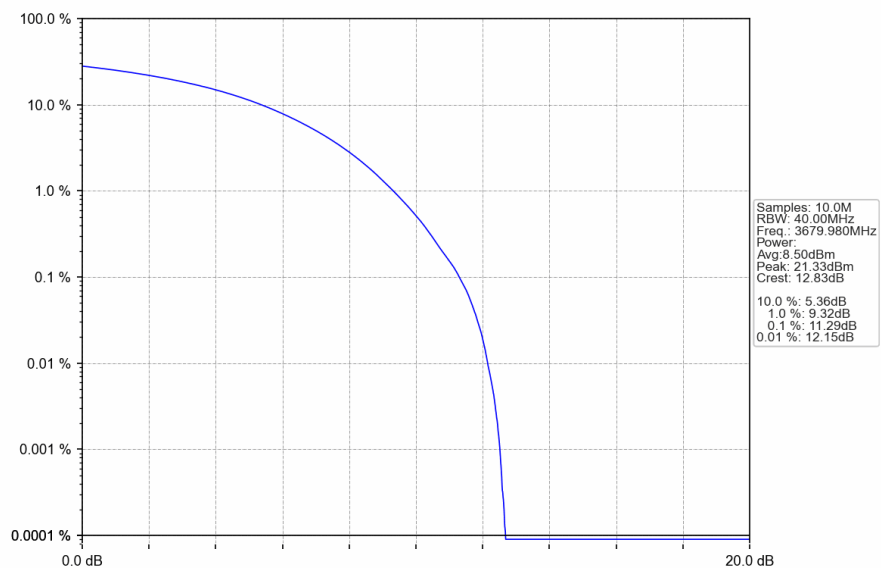
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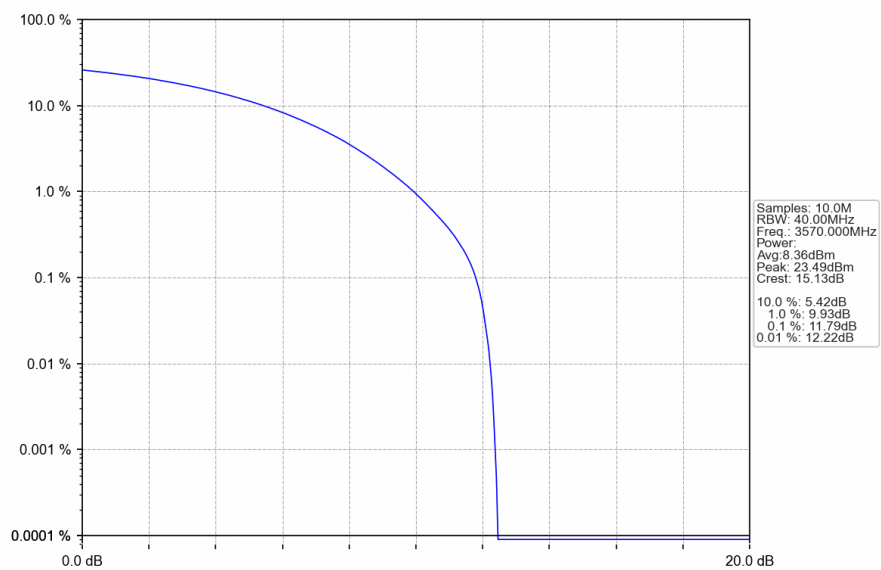
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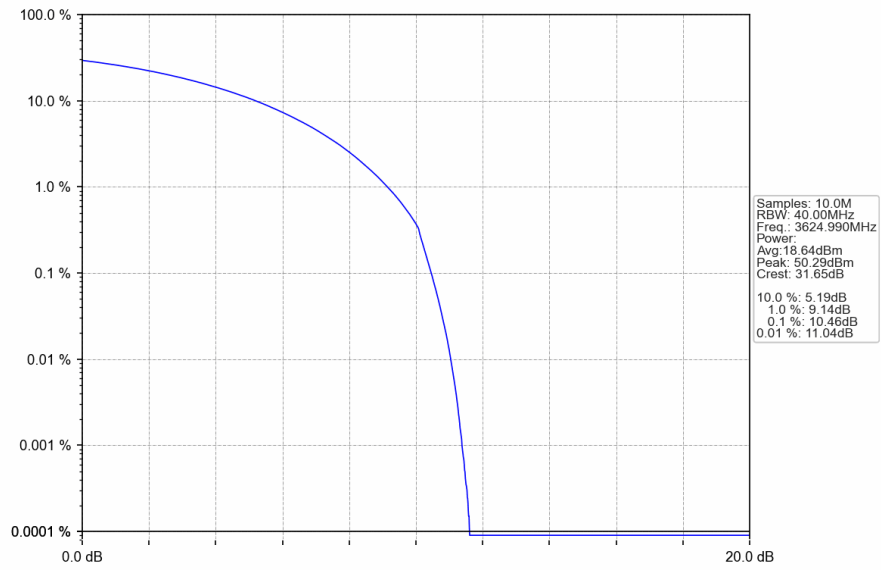
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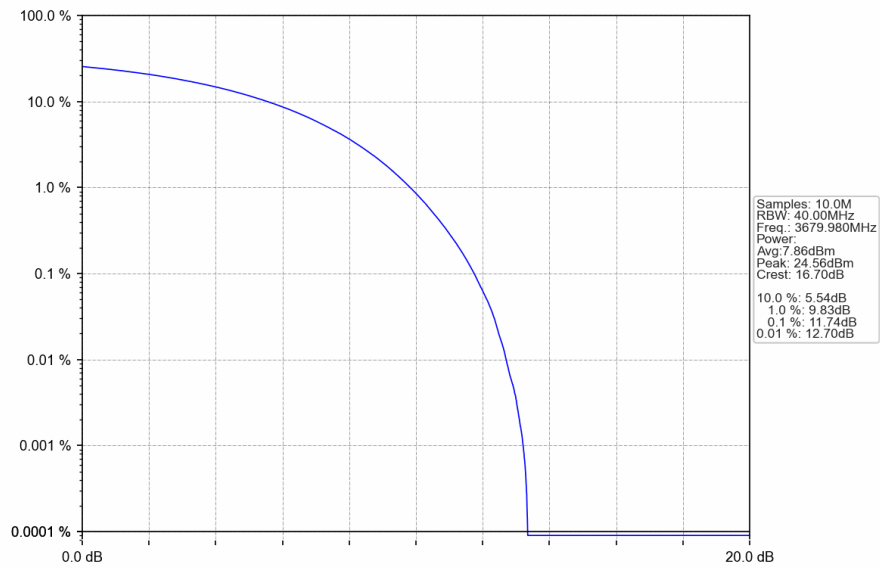
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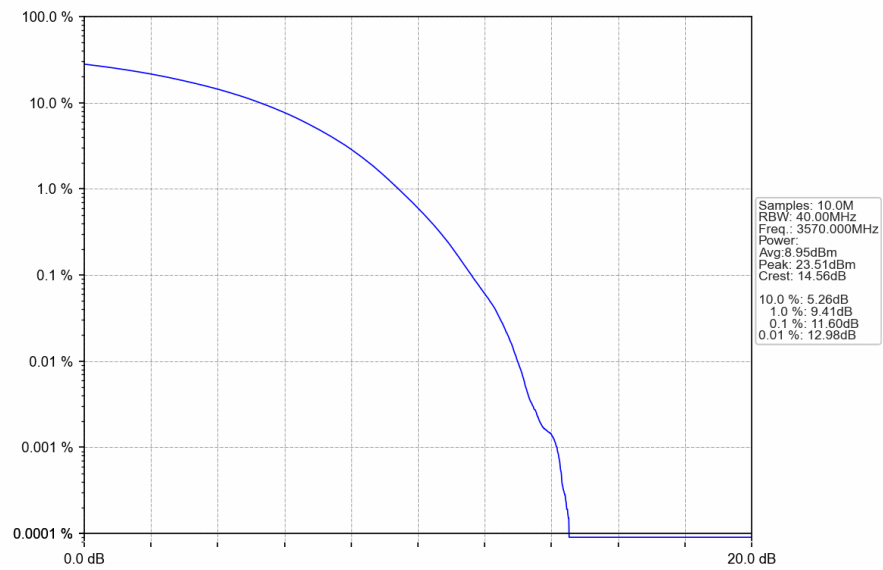
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n48_30kHz_SISO_NTNV_40MHz_CP-OFDM_64_QAM_3679.98MHz_Outer_Full



n48_30kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_3570MHz_Outer_Full



n48_30kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_3624.99MHz_Outer_Full

