

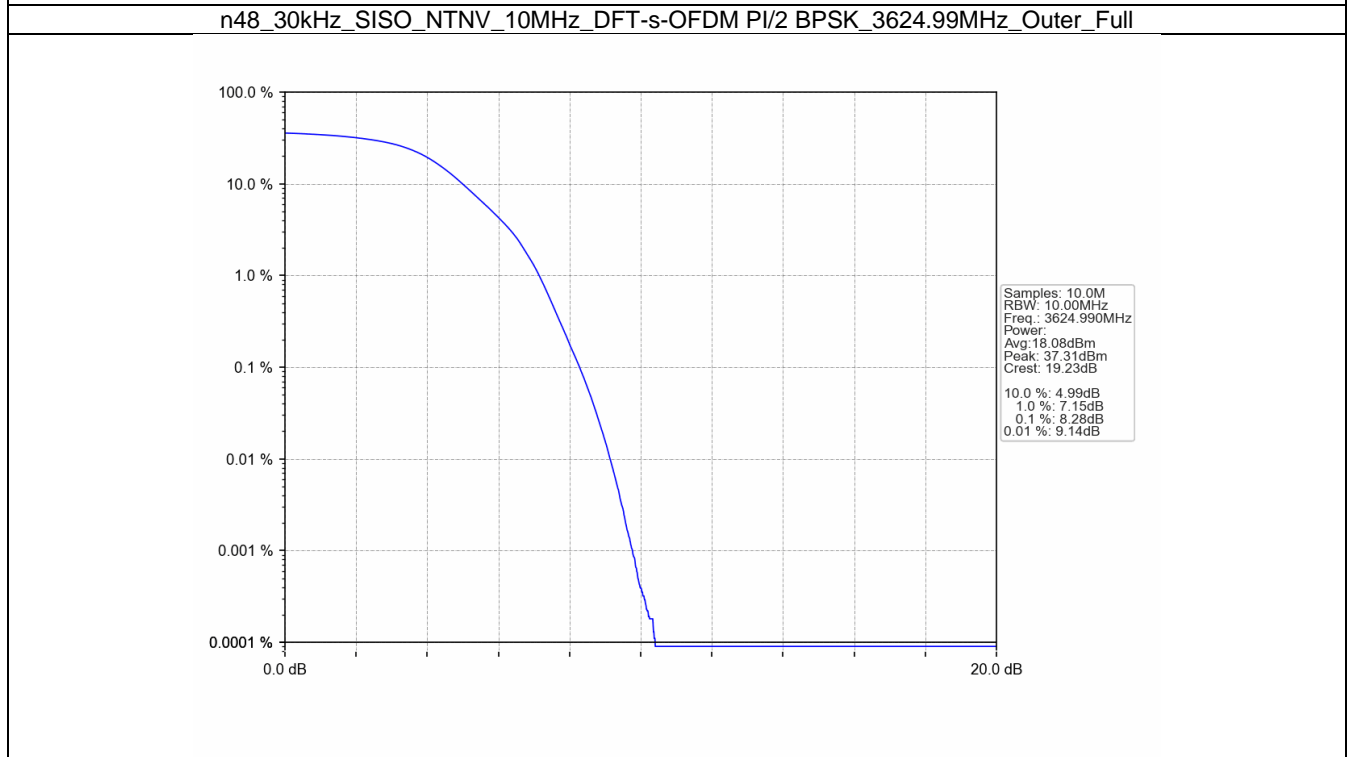
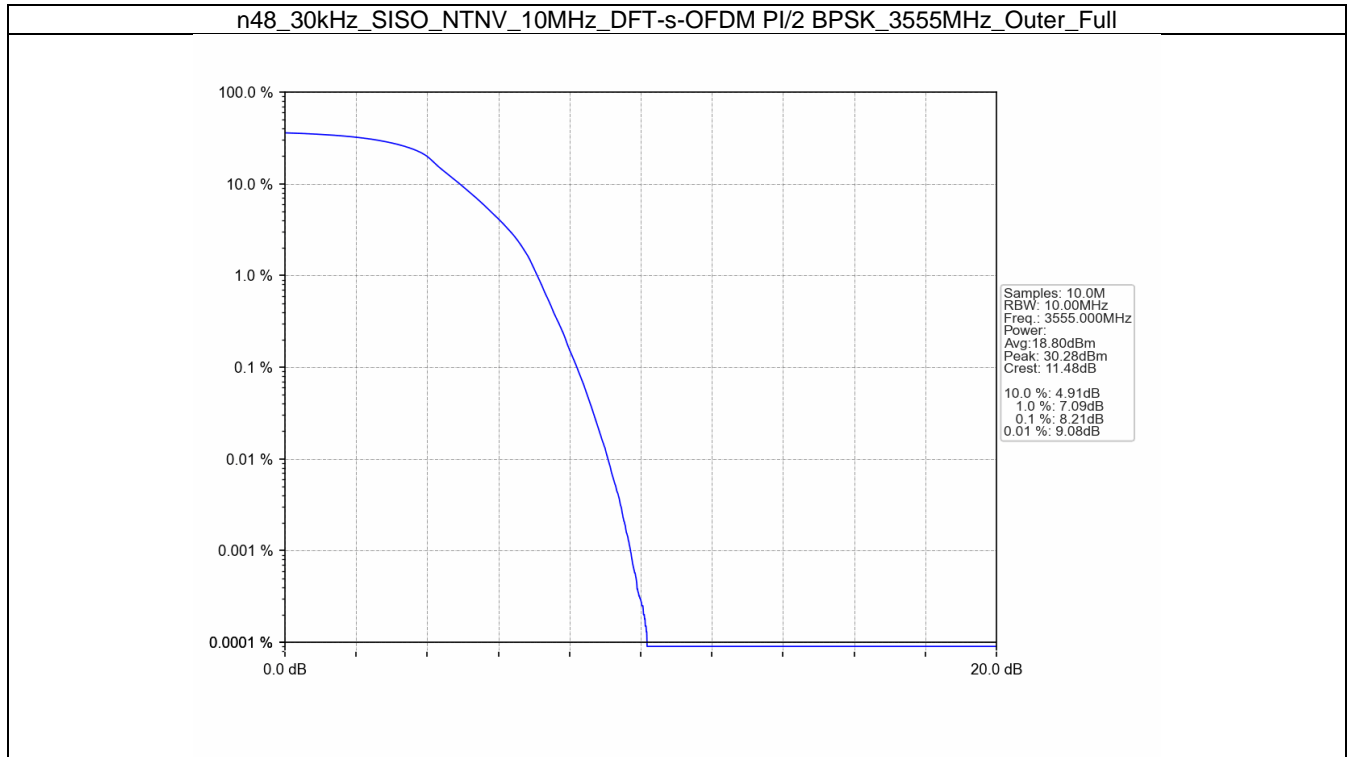
1. Peak-Average Ratio

1.1 30k_SISO_10MHz_NTNV

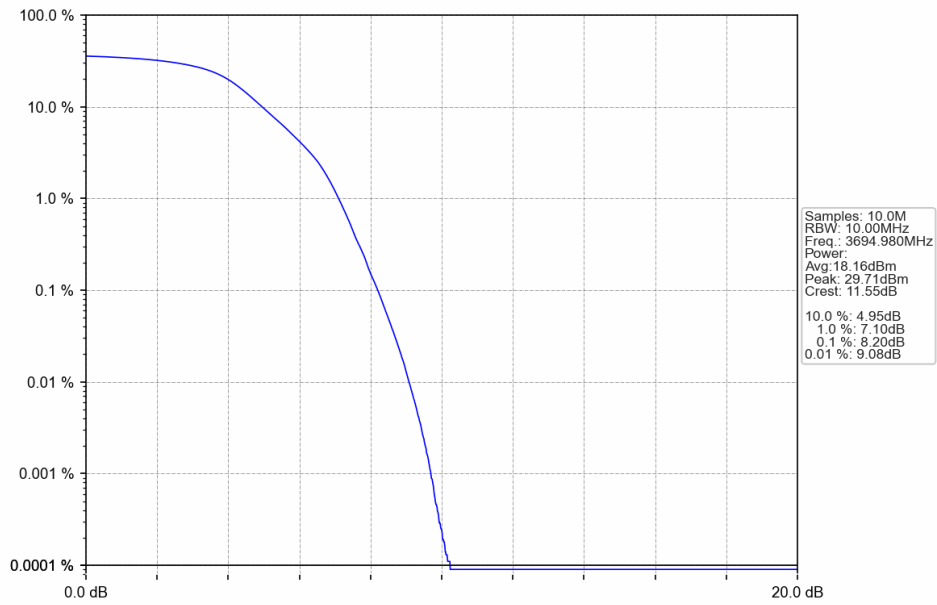
1.1.1 Test Result

5G NR n48 SCS=30kHz SISO 10MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3555	Outer_Full	8.21	/	/	<=13	Pass
	3624.99	Outer_Full	8.28	/	/	<=13	Pass
	3694.98	Outer_Full	8.20	/	/	<=13	Pass
DFT-s-OFDM QPSK	3555	Outer_Full	9.33	/	/	<=13	Pass
	3624.99	Outer_Full	9.39	/	/	<=13	Pass
	3694.98	Outer_Full	9.19	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3555	Outer_Full	10.47	/	/	<=13	Pass
	3624.99	Outer_Full	10.09	/	/	<=13	Pass
	3694.98	Outer_Full	10.01	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3555	Outer_Full	10.18	/	/	<=13	Pass
	3624.99	Outer_Full	10.26	/	/	<=13	Pass
	3694.98	Outer_Full	9.94	/	/	<=13	Pass
CP-OFDM QPSK	3555	Outer_Full	11.80	/	/	<=13	Pass
	3624.99	Outer_Full	11.81	/	/	<=13	Pass
	3694.98	Outer_Full	11.81	/	/	<=13	Pass
CP-OFDM 64 QAM	3555	Outer_Full	11.80	/	/	<=13	Pass
	3624.99	Outer_Full	11.45	/	/	<=13	Pass
	3694.98	Outer_Full	11.67	/	/	<=13	Pass
CP-OFDM 256 QAM	3555	Outer_Full	11.72	/	/	<=13	Pass
	3624.99	Outer_Full	11.71	/	/	<=13	Pass
	3694.98	Outer_Full	11.74	/	/	<=13	Pass

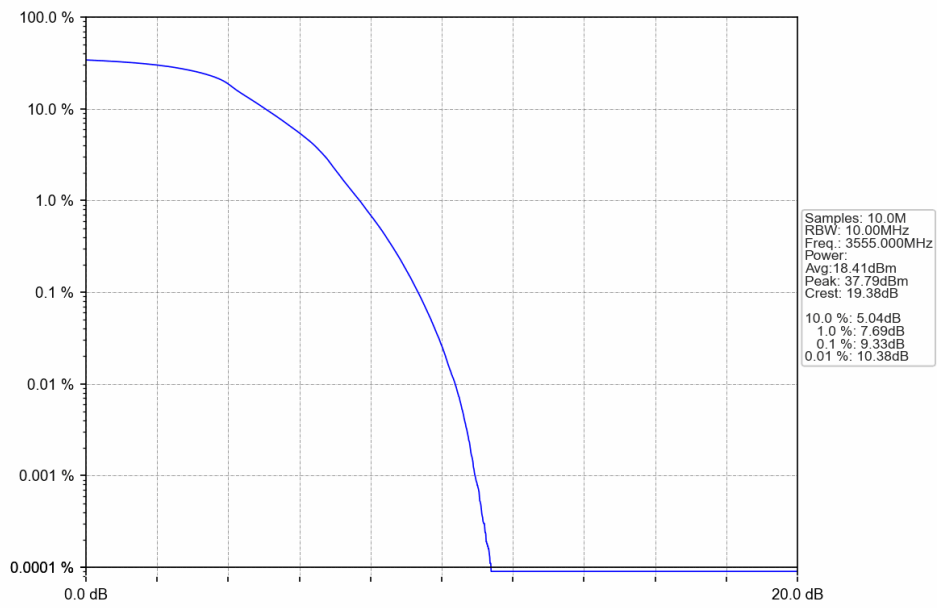
1.1.2 Test Graph



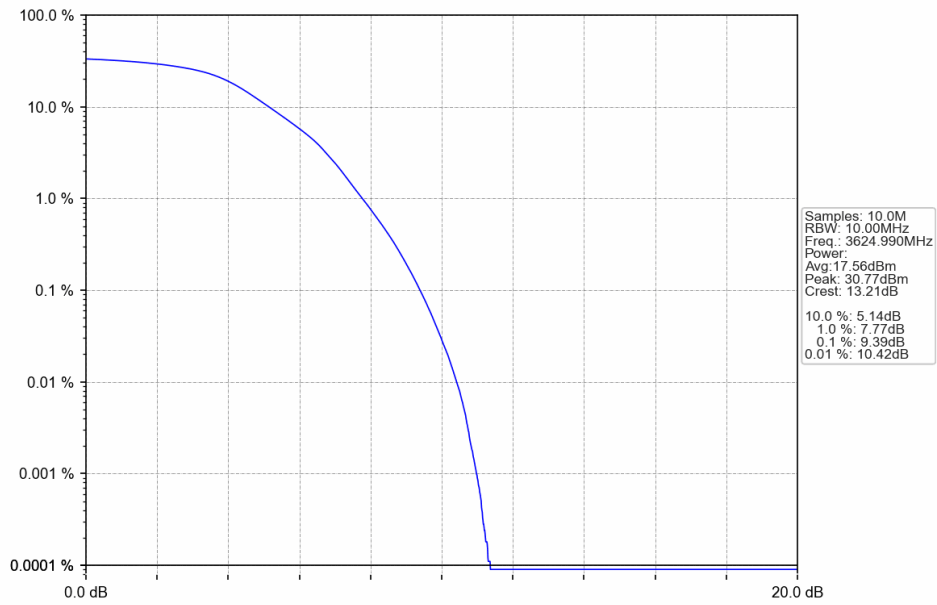
n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3694.98MHz_Outer_Full



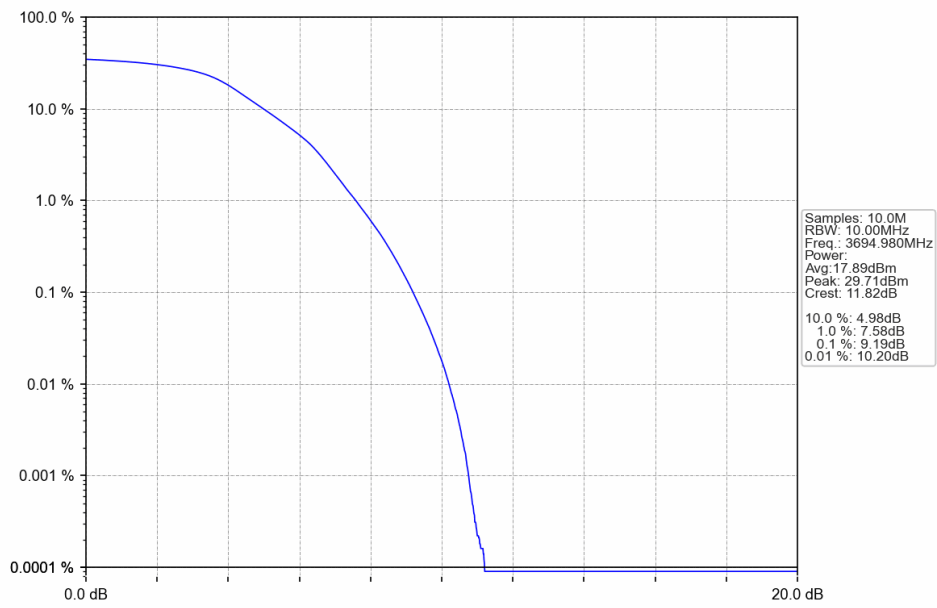
n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3555MHz_Outer_Full



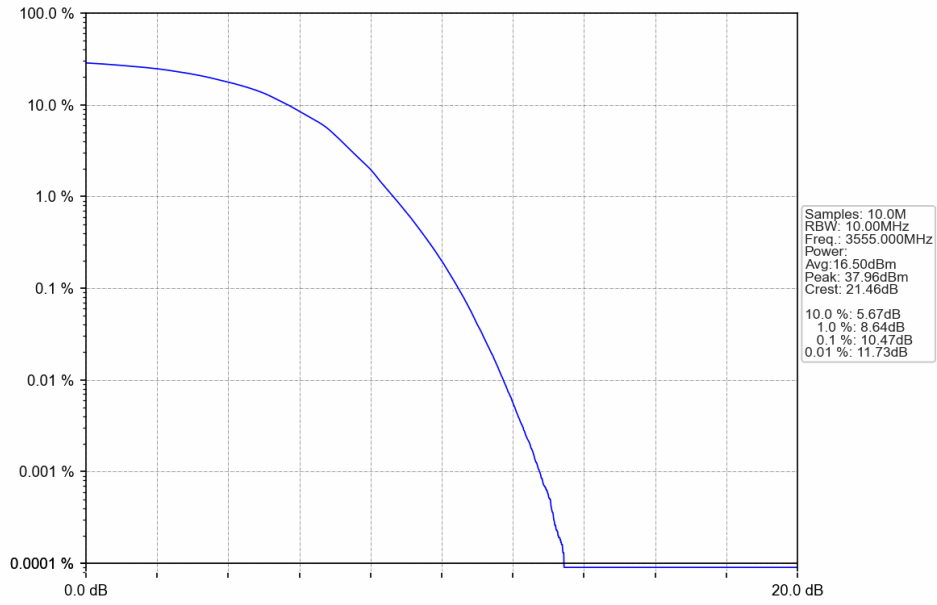
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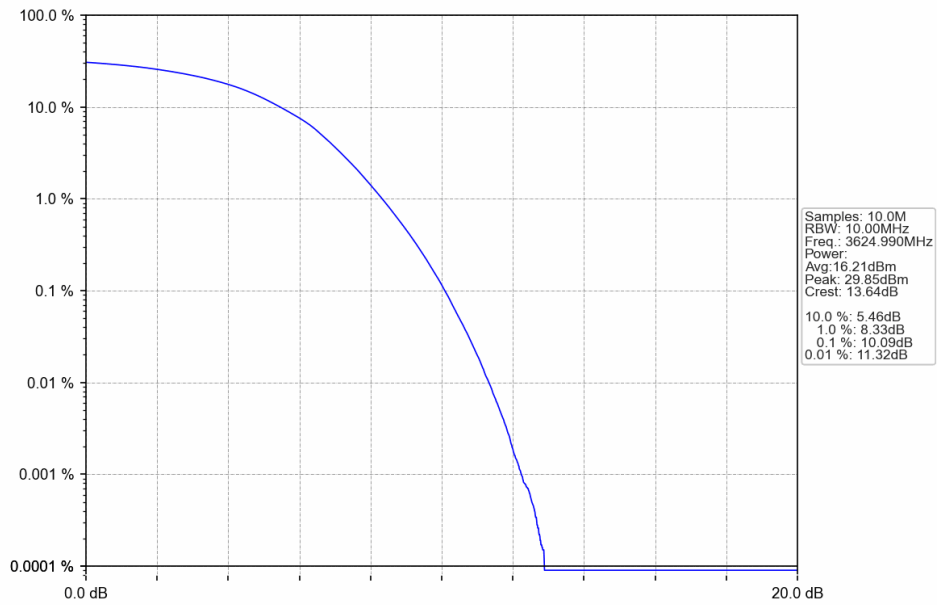
n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3694.98MHz_Outer_Full



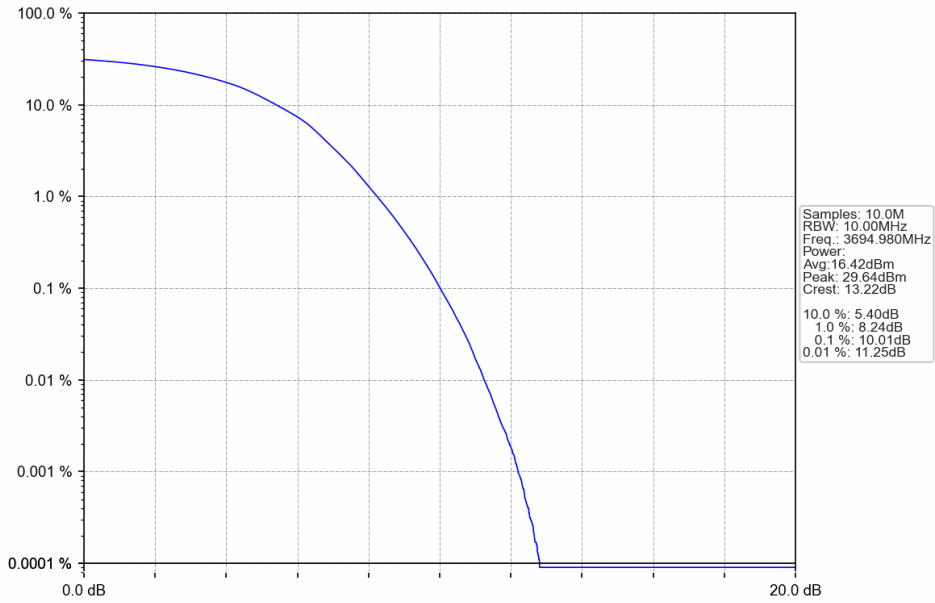
n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_3555MHz_Outer_Full



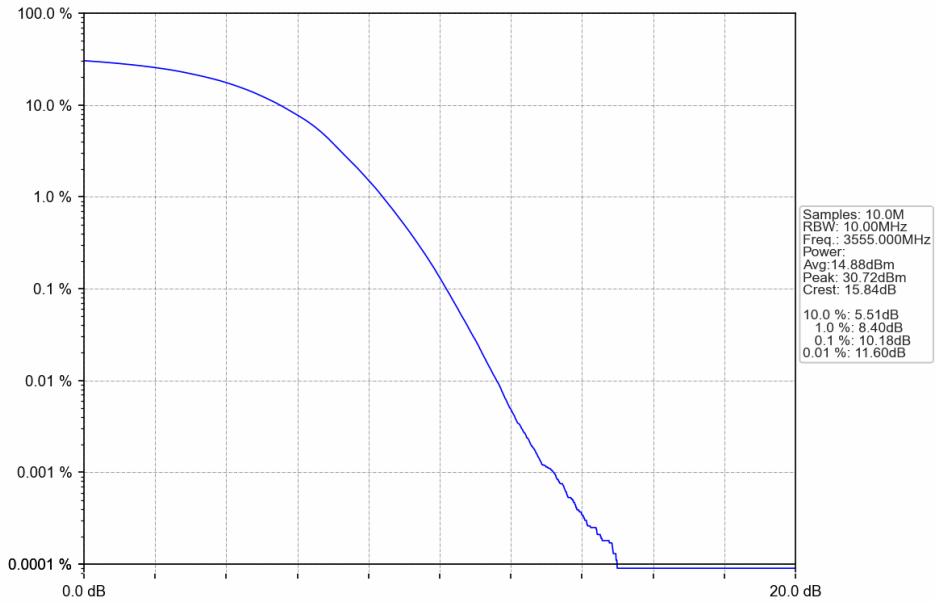
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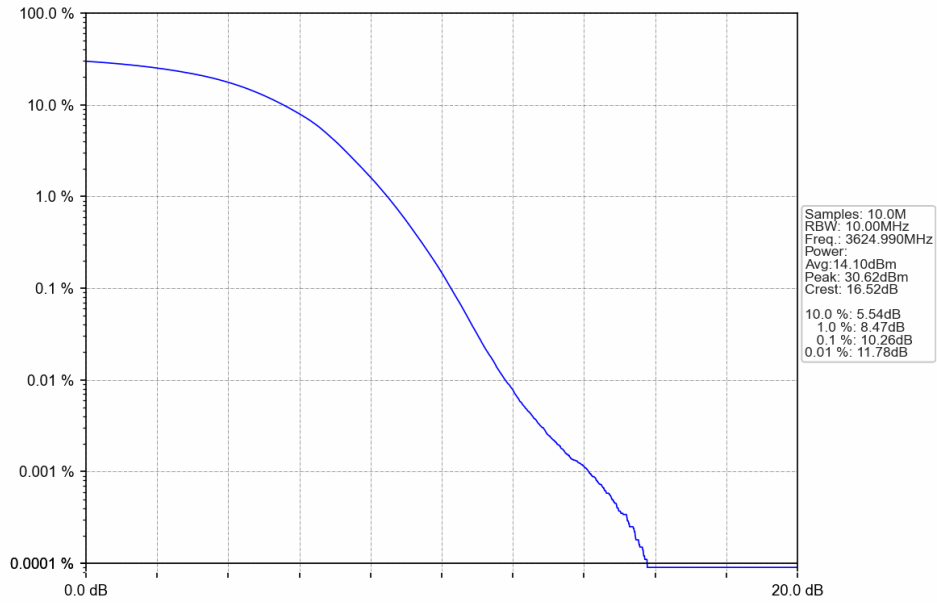
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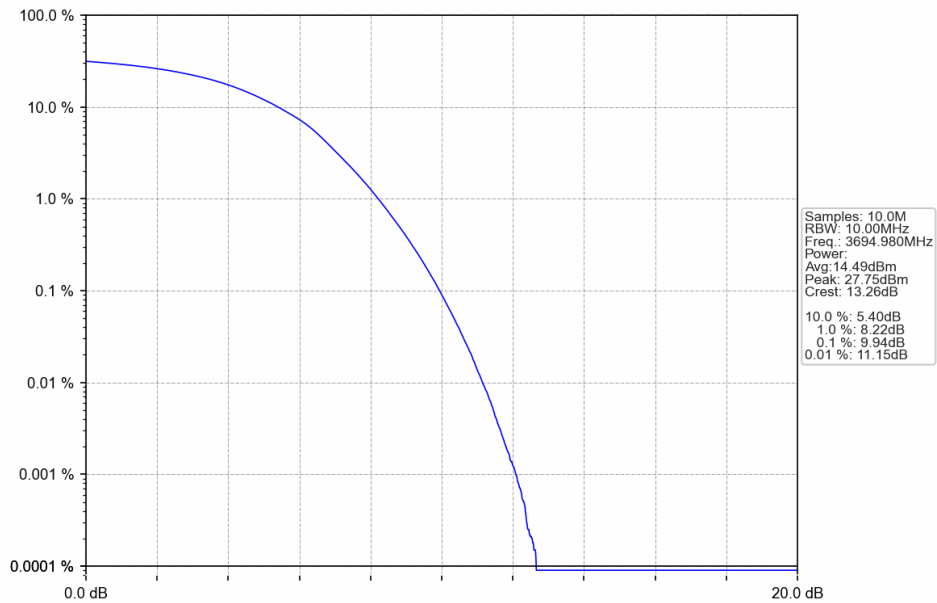
n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_3555MHz_Outer_Full



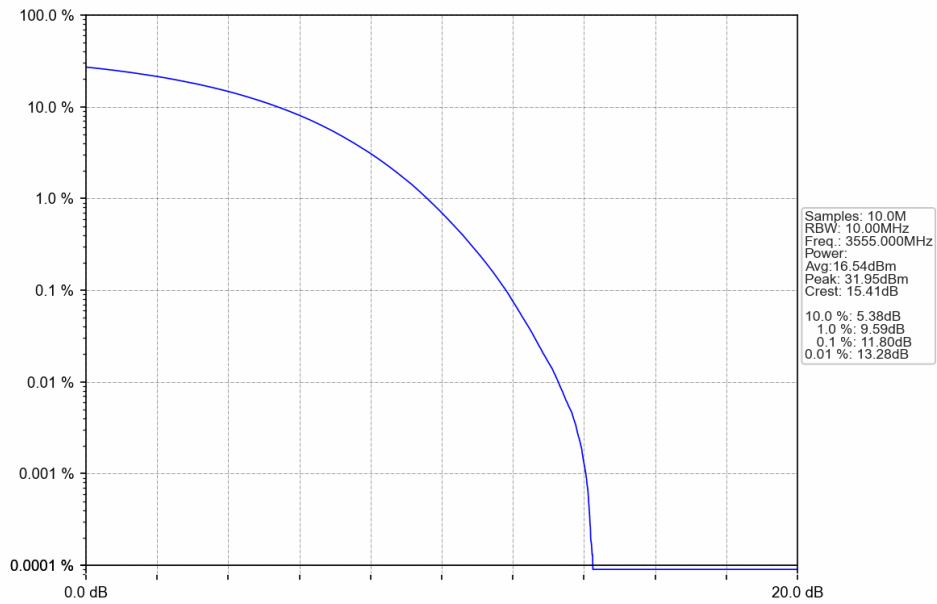
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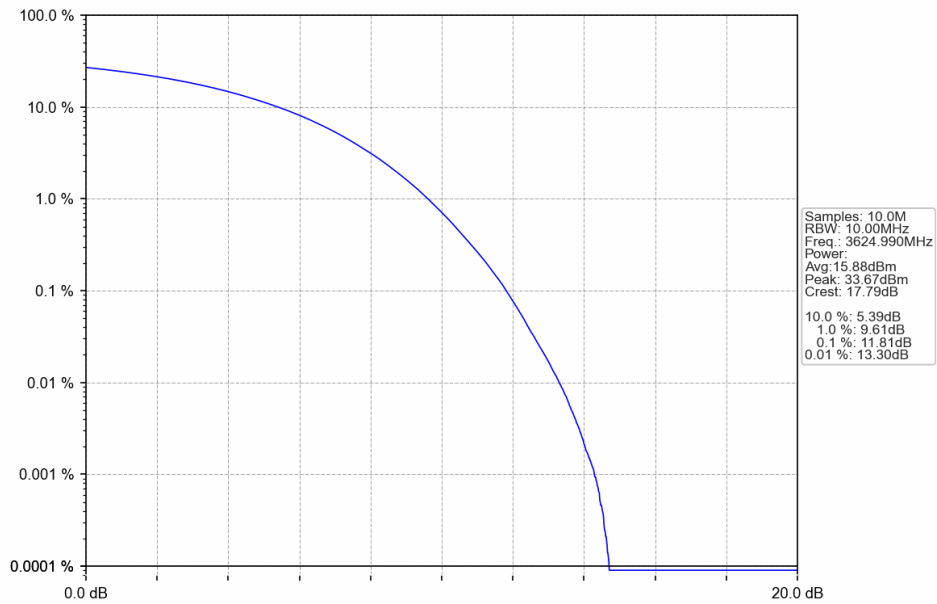
n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_3694.98MHz_Outer_Full



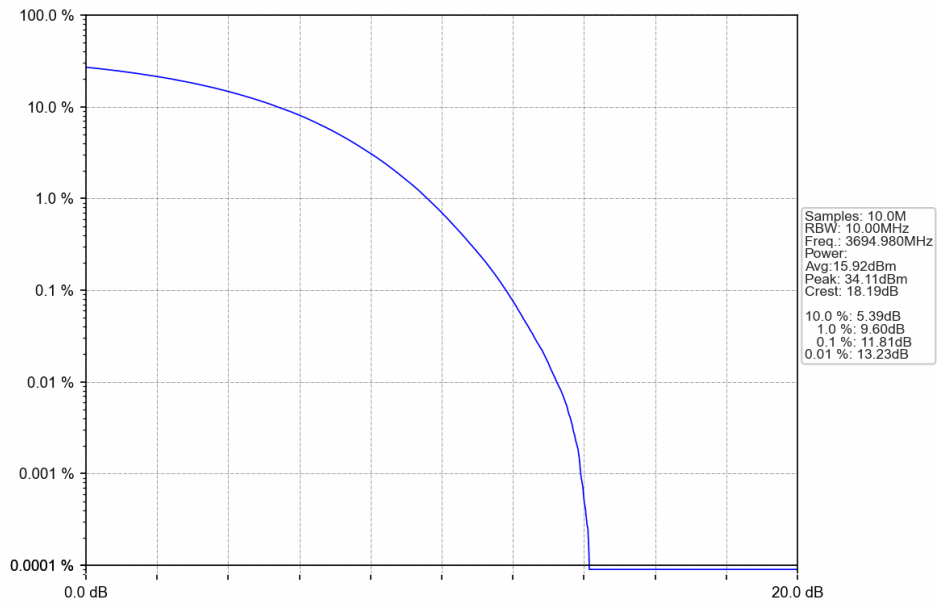
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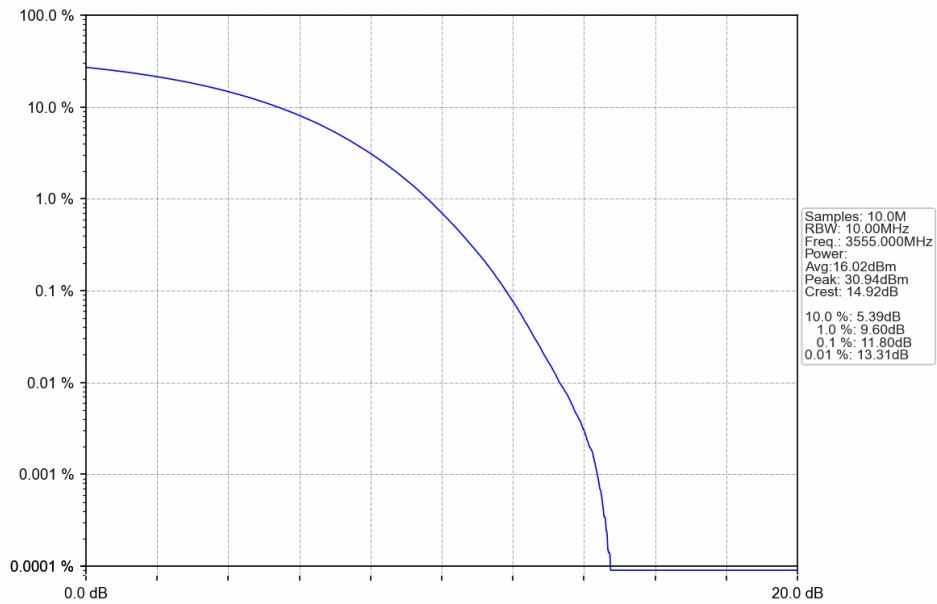
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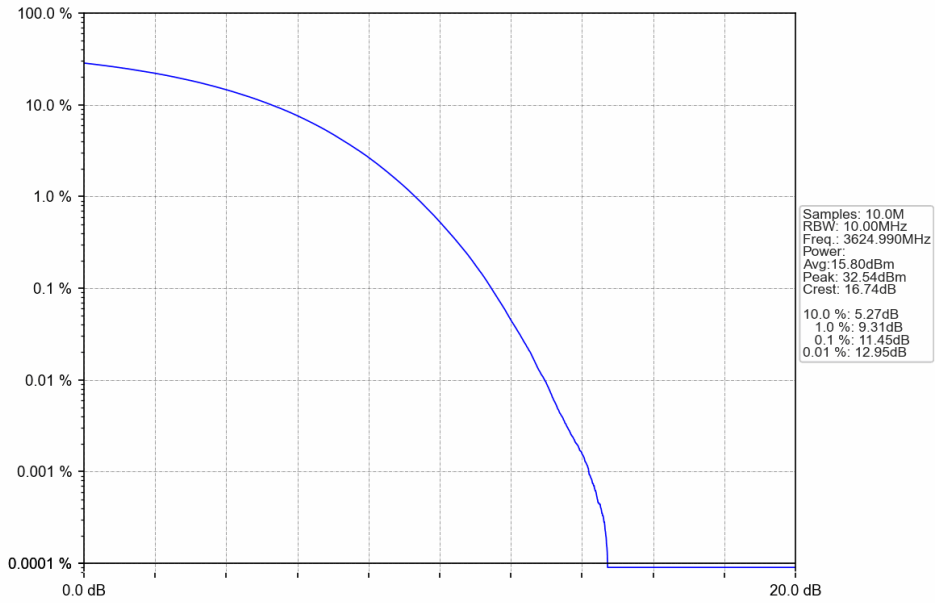
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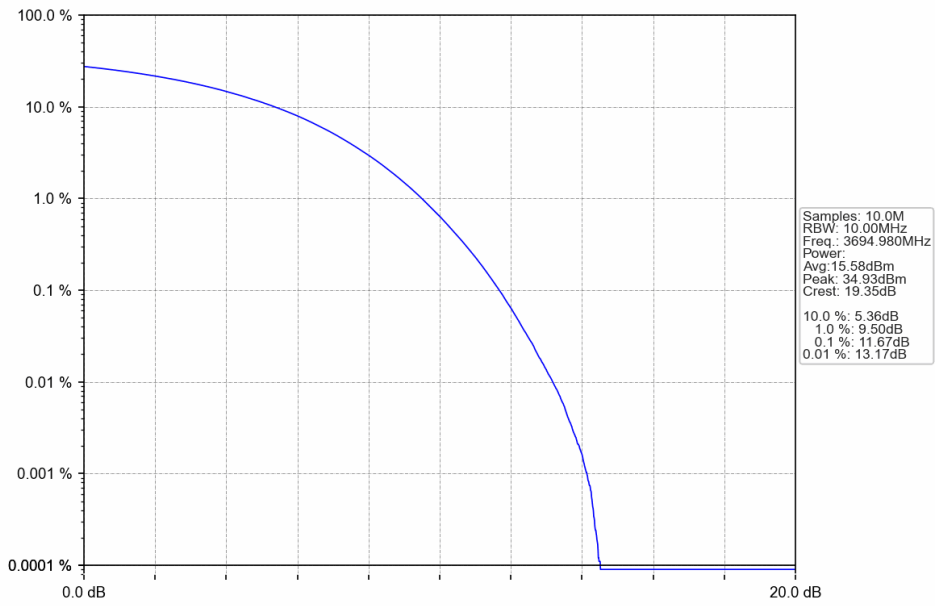
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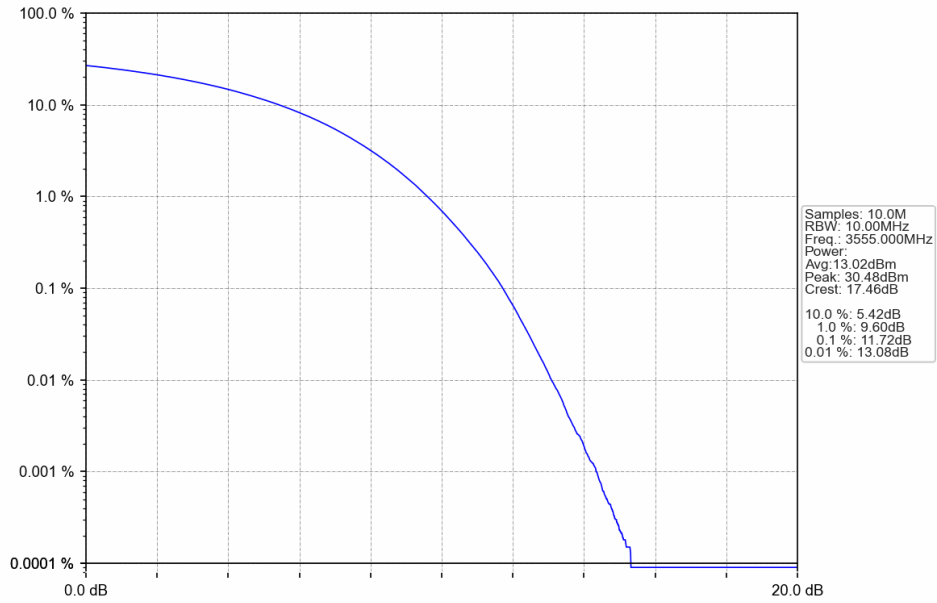
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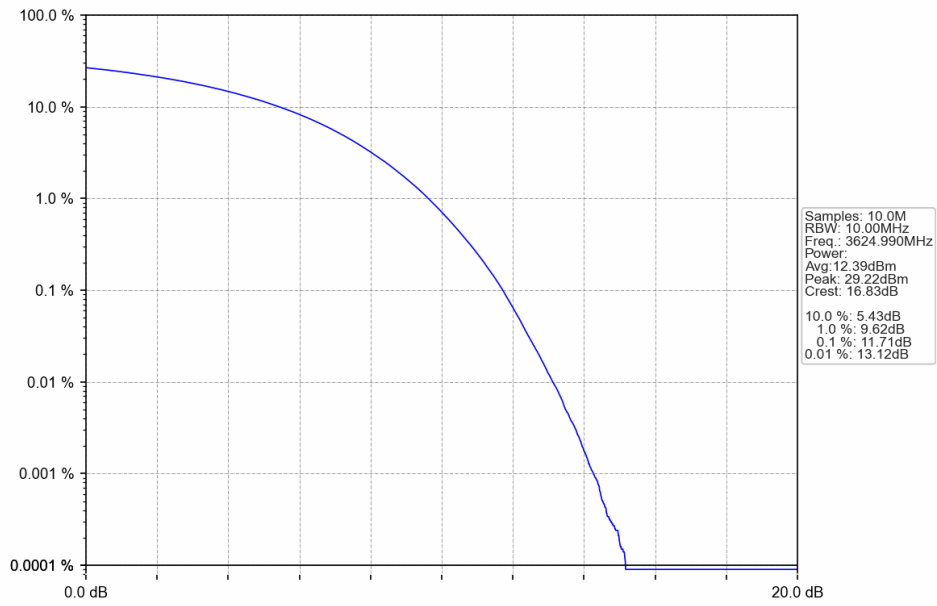
n48_30kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_3694.98MHz_Outer_Full



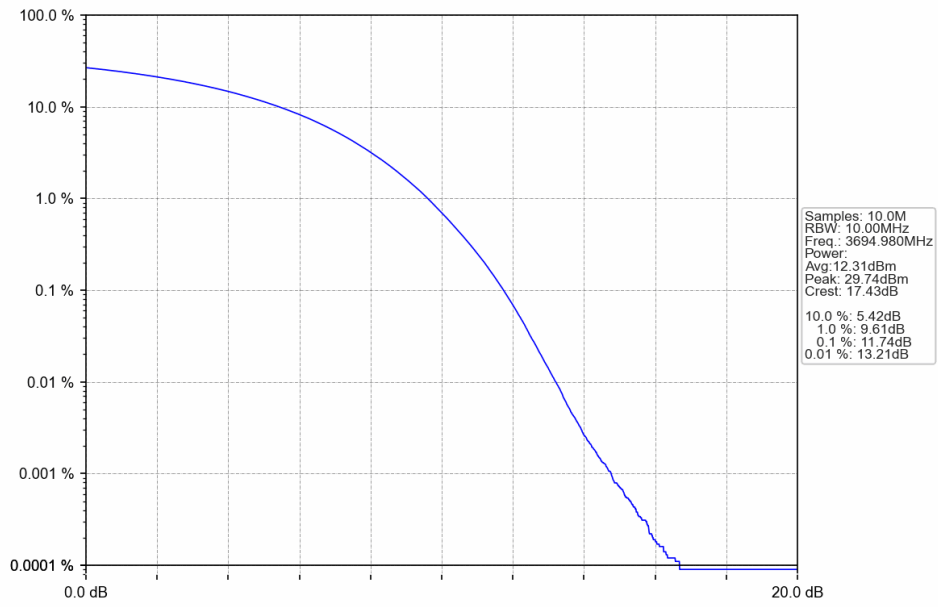
n48_30kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_3555MHz_Outer_Full



n48_30kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n48_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3694.98MHz_Outer_Full



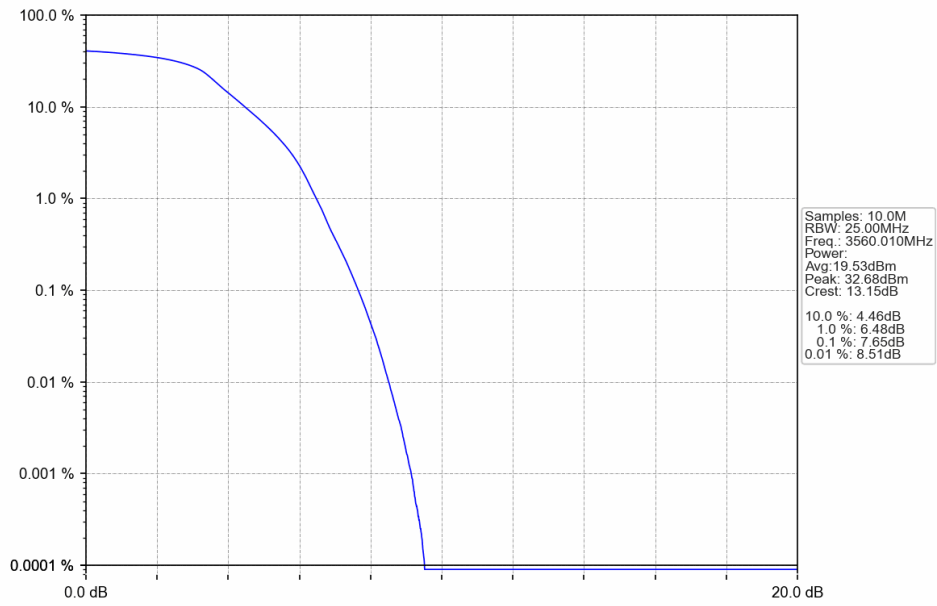
1.2 30k_SISO_20MHz_NTNV

1.2.1 Test Result

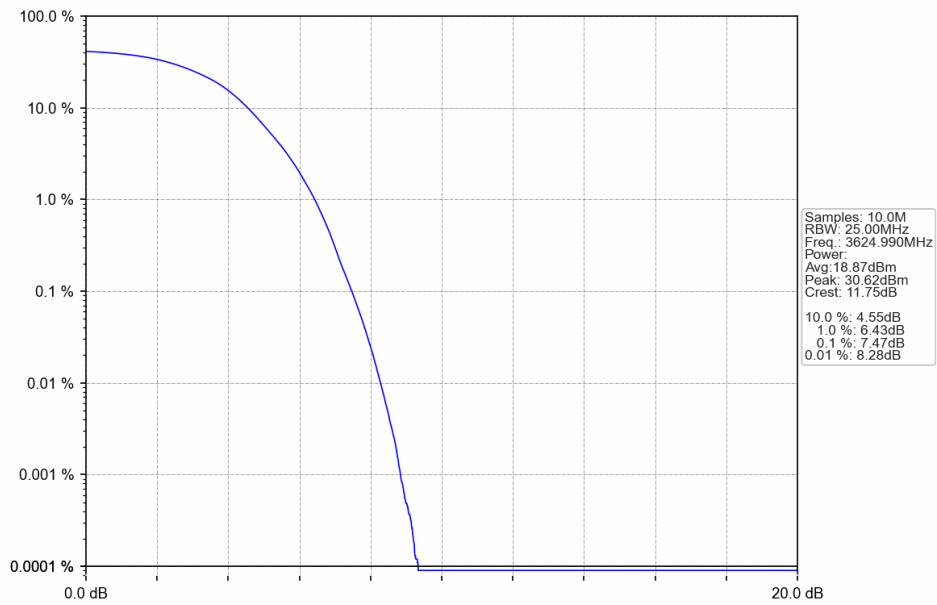
5G NR n48 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3560.01	Outer_Full	7.65	/	/	<=13	Pass
	3624.99	Outer_Full	7.47	/	/	<=13	Pass
	3690	Outer_Full	7.89	/	/	<=13	Pass
DFT-s-OFDM QPSK	3560.01	Outer_Full	9.35	/	/	<=13	Pass
	3624.99	Outer_Full	8.66	/	/	<=13	Pass
	3690	Outer_Full	9.18	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3560.01	Outer_Full	9.97	/	/	<=13	Pass
	3624.99	Outer_Full	9.71	/	/	<=13	Pass
	3690	Outer_Full	9.83	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3560.01	Outer_Full	10.13	/	/	<=13	Pass
	3624.99	Outer_Full	9.96	/	/	<=13	Pass
	3690	Outer_Full	9.64	/	/	<=13	Pass
CP-OFDM QPSK	3560.01	Outer_Full	12.51	/	/	<=13	Pass
	3624.99	Outer_Full	11.50	/	/	<=13	Pass
	3690	Outer_Full	12.14	/	/	<=13	Pass
CP-OFDM 64 QAM	3560.01	Outer_Full	12.41	/	/	<=13	Pass
	3624.99	Outer_Full	12.02	/	/	<=13	Pass
	3690	Outer_Full	11.93	/	/	<=13	Pass
CP-OFDM 256 QAM	3560.01	Outer_Full	11.40	/	/	<=13	Pass
	3624.99	Outer_Full	11.86	/	/	<=13	Pass
	3690	Outer_Full	11.90	/	/	<=13	Pass

1.2.2 Test Graph

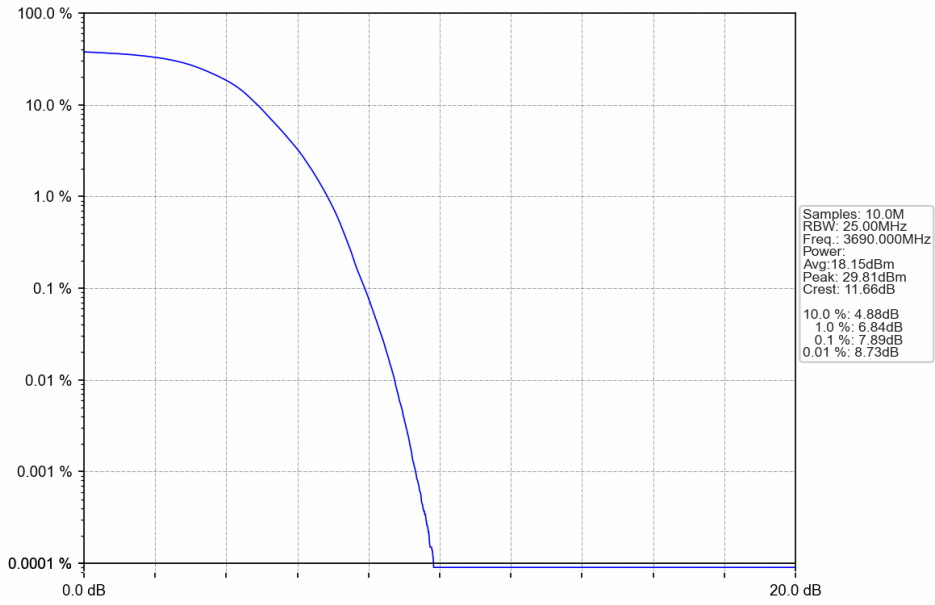
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3560.01MHz_Outer_Full



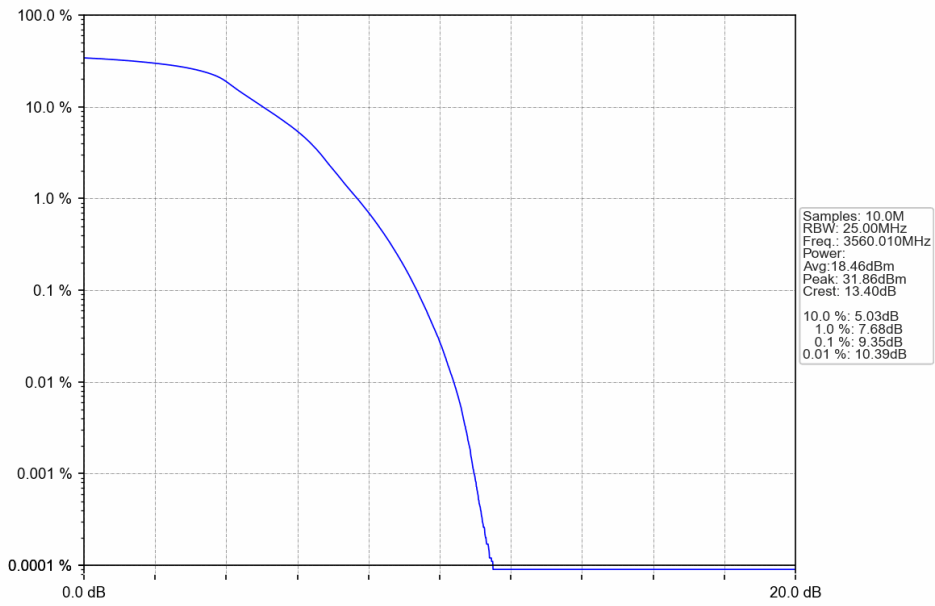
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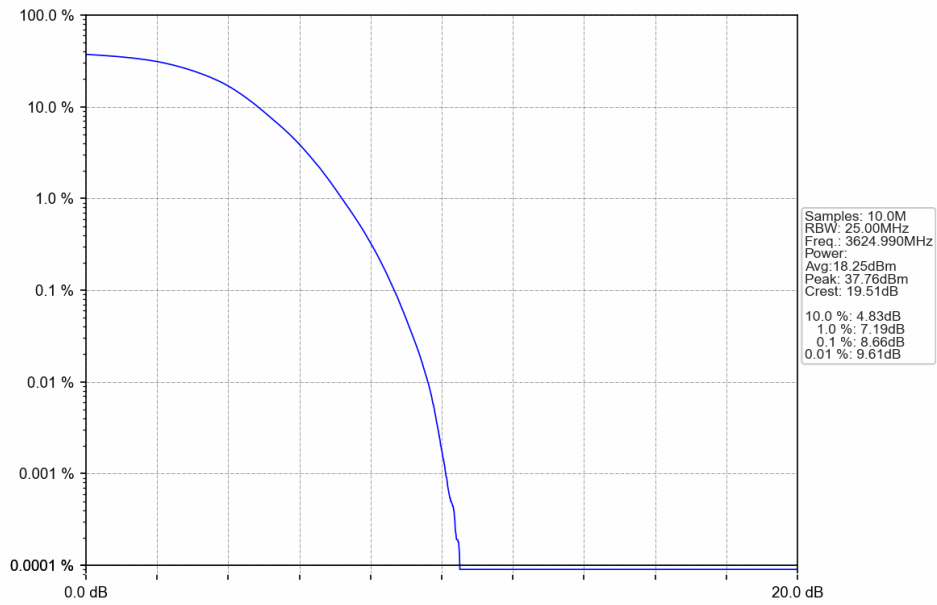
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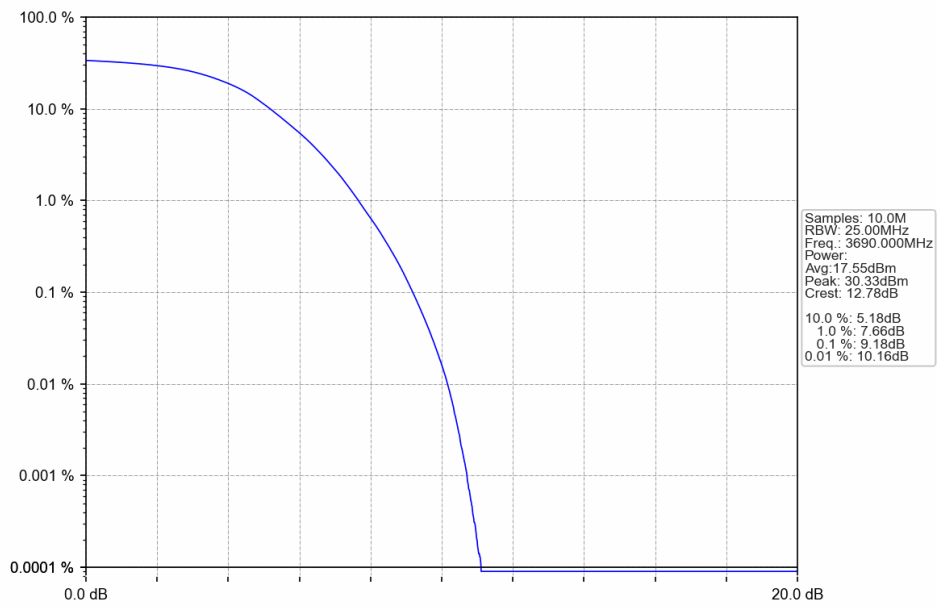
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3560.01MHz_Outer_Full



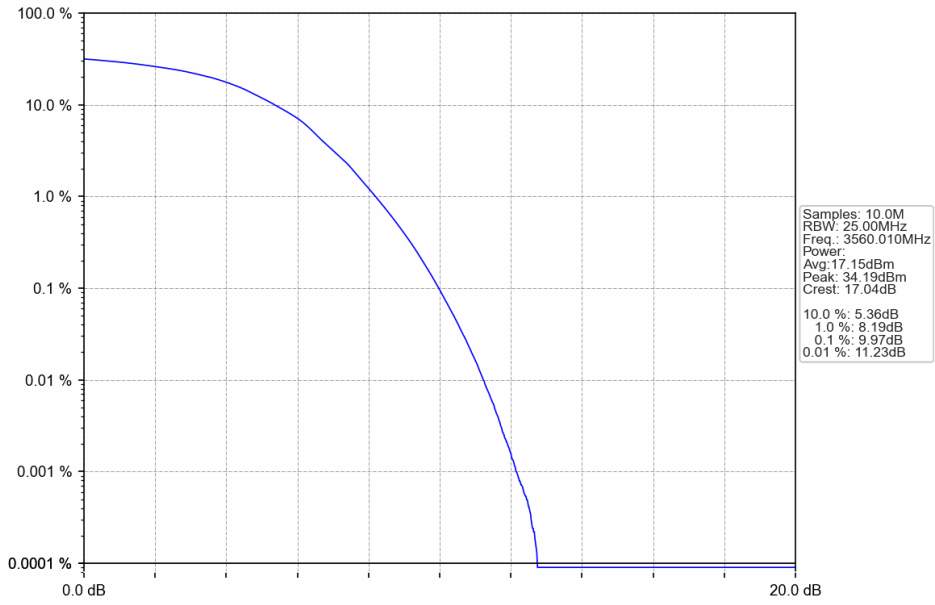
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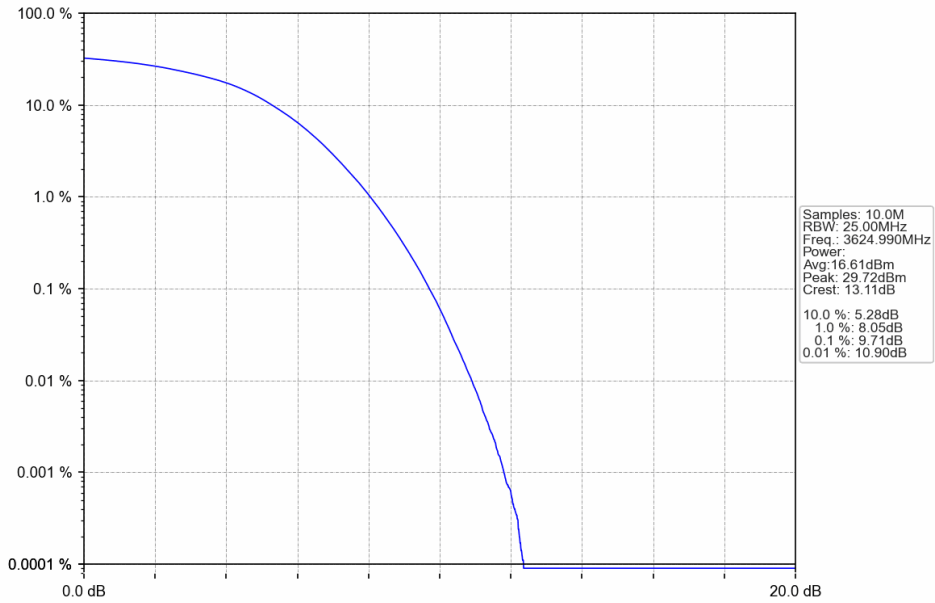
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3690MHz_Outer_Full



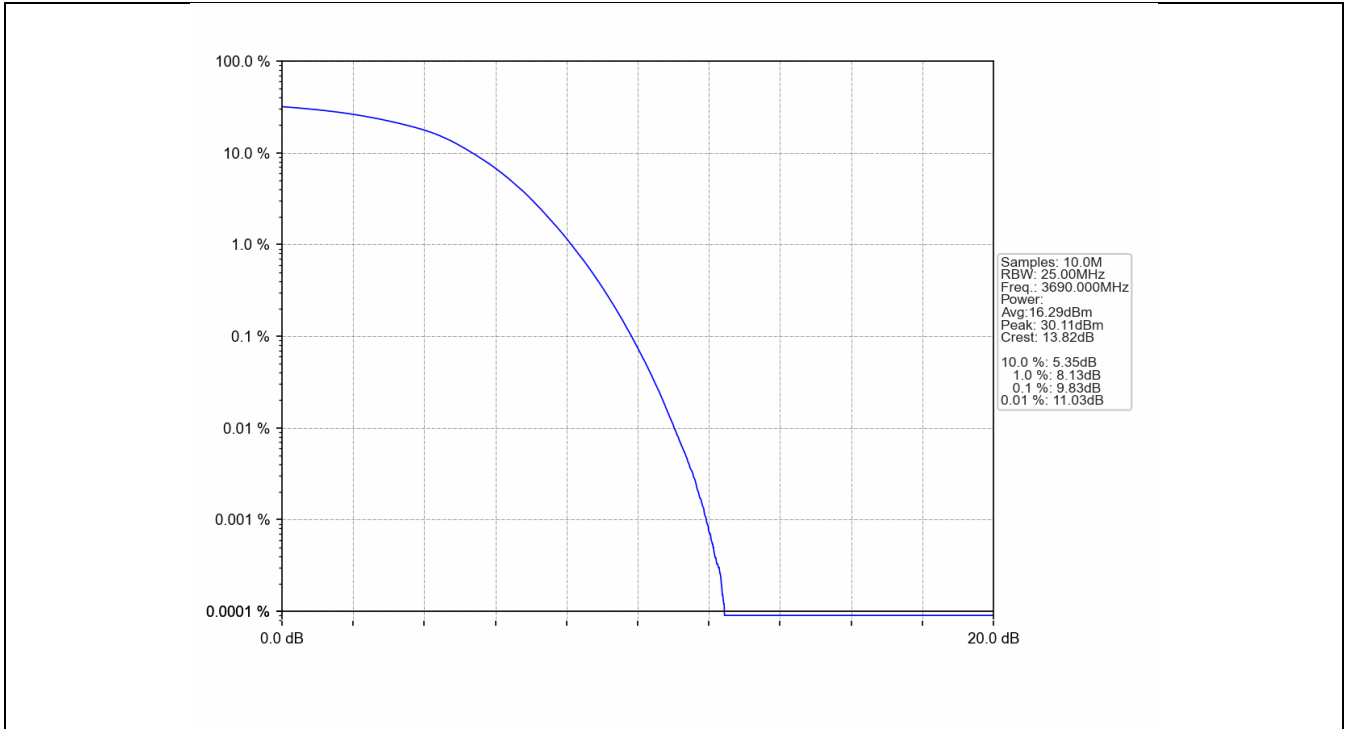
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3560.01MHz_Outer_Full



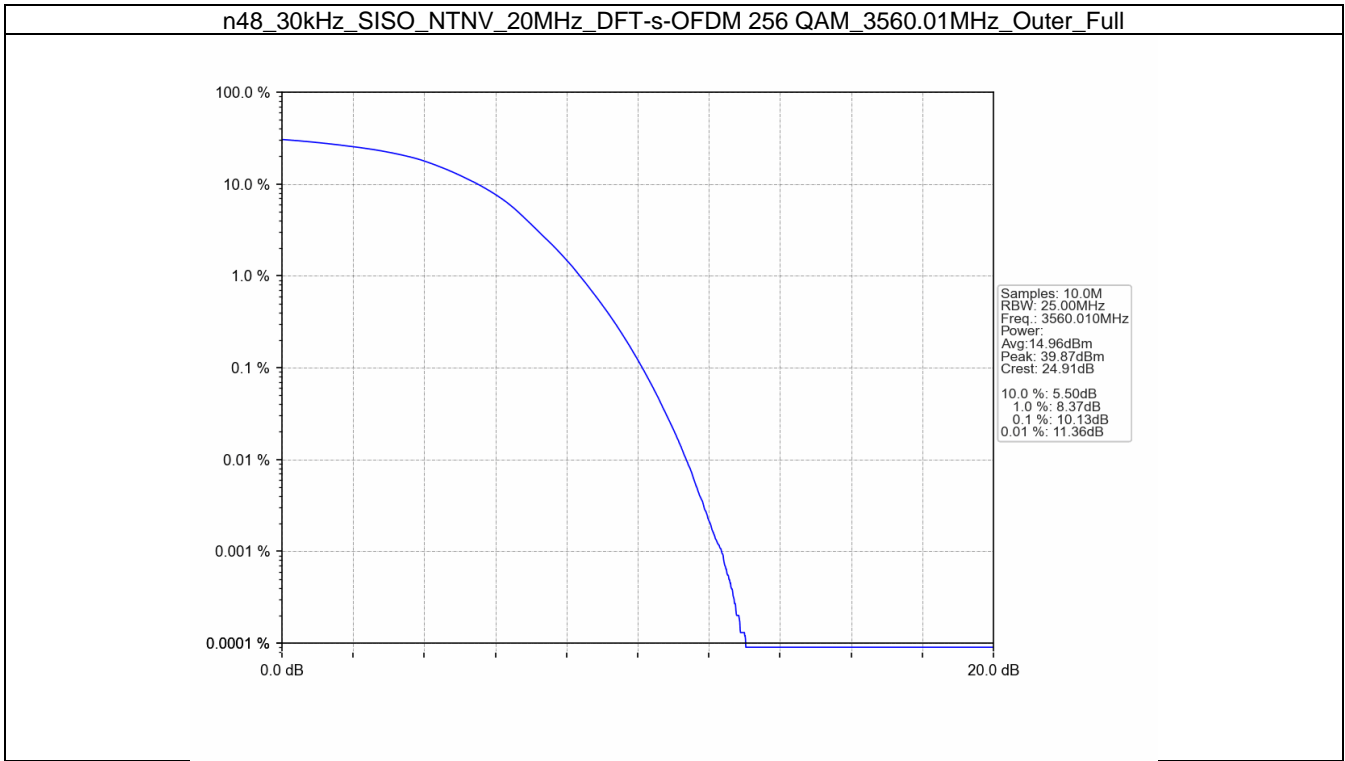
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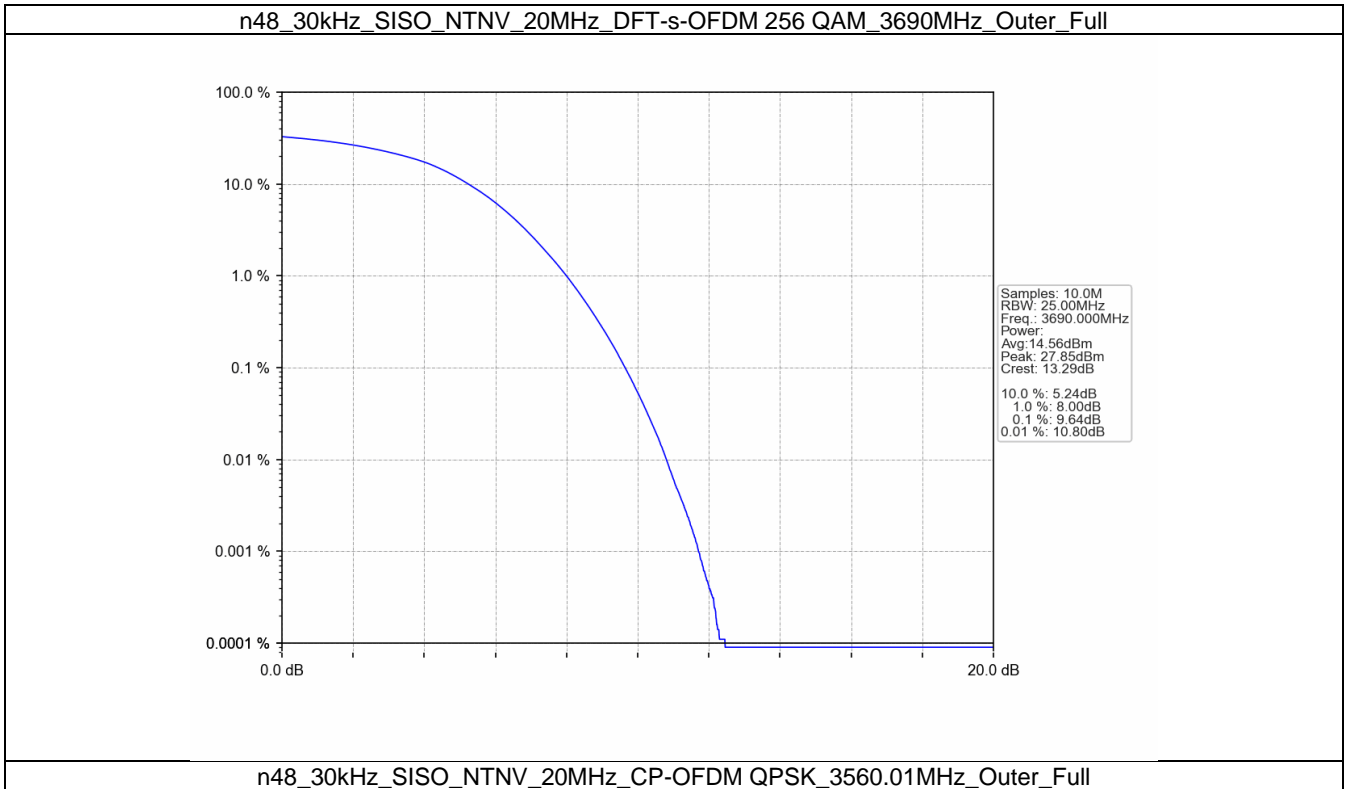
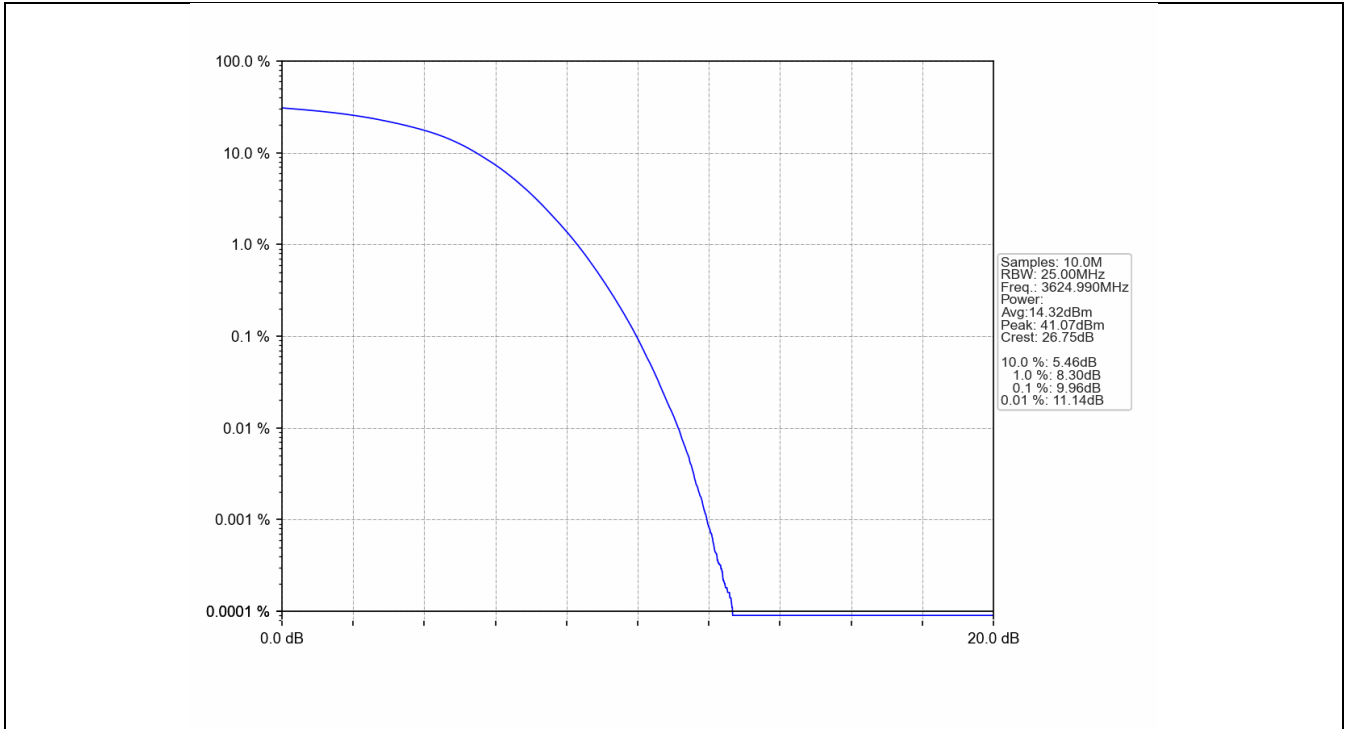
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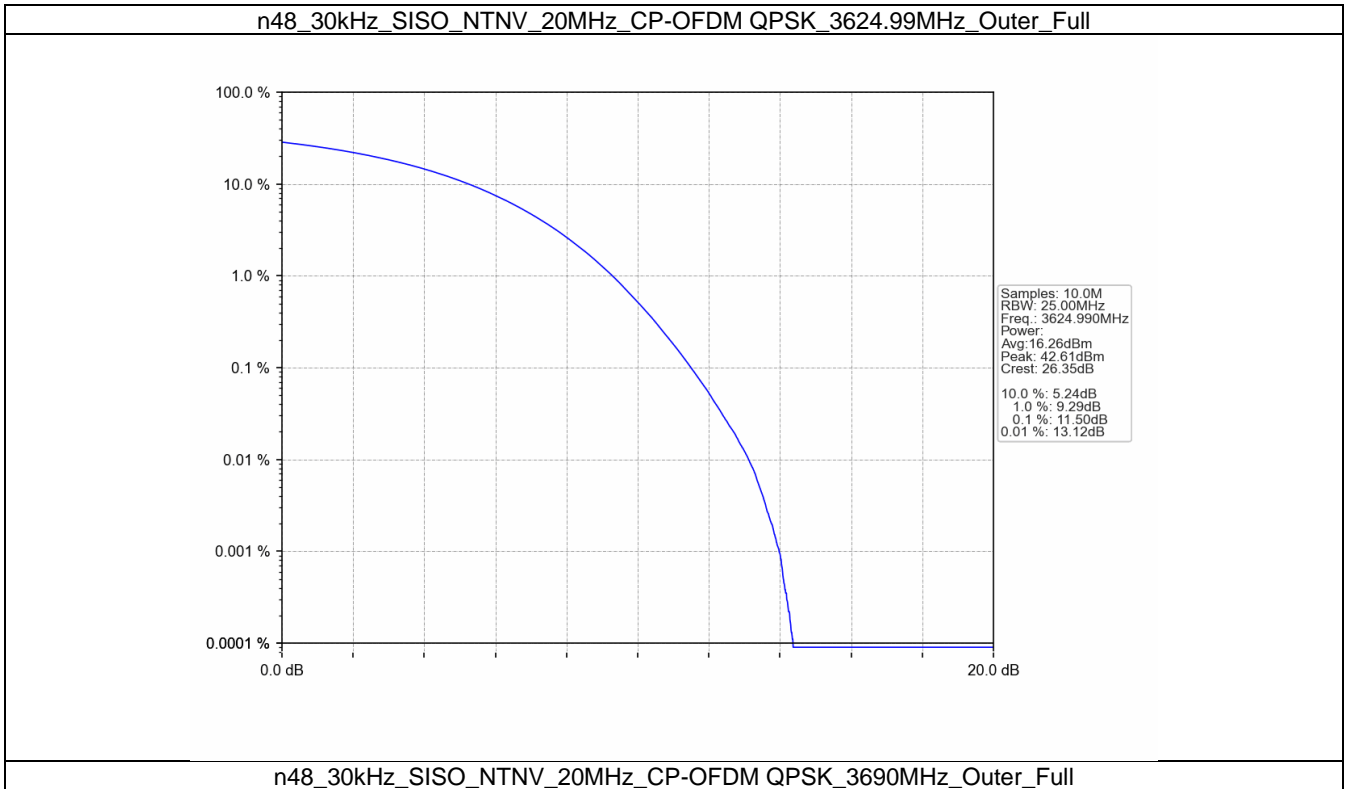
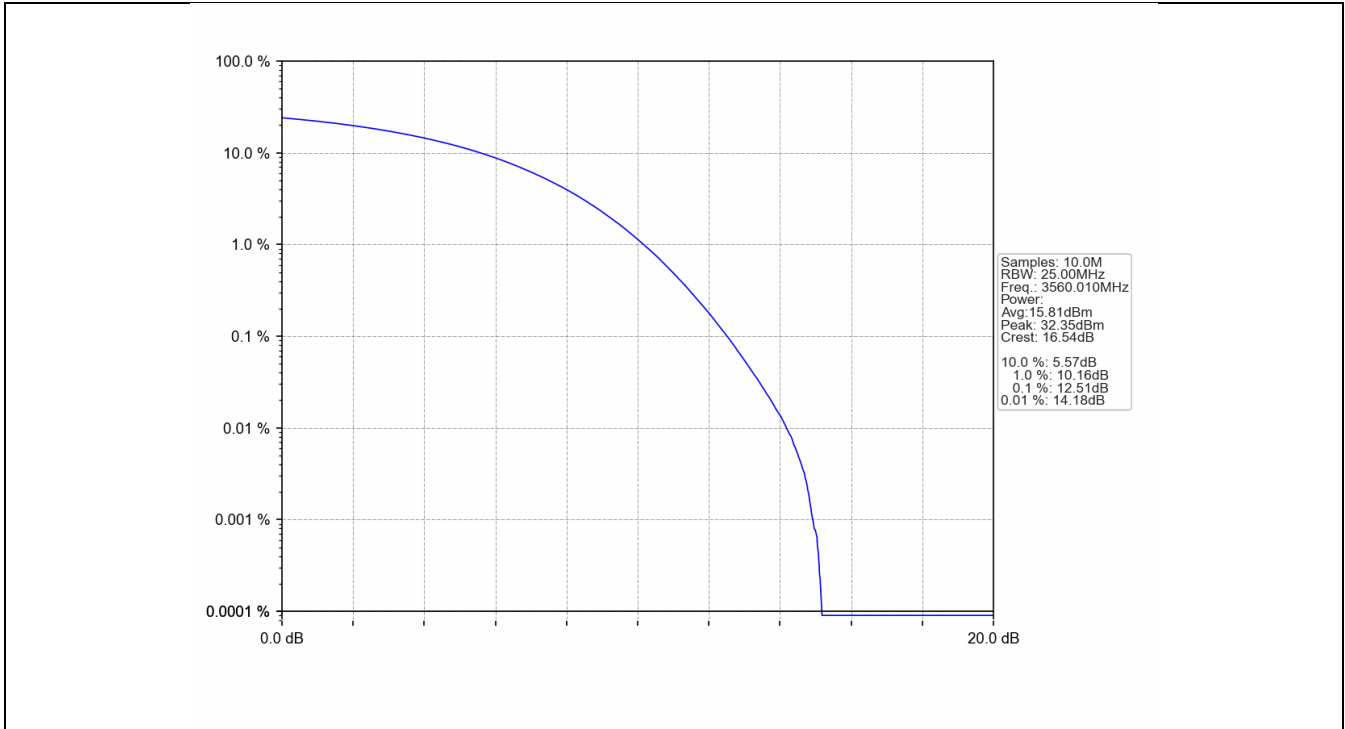


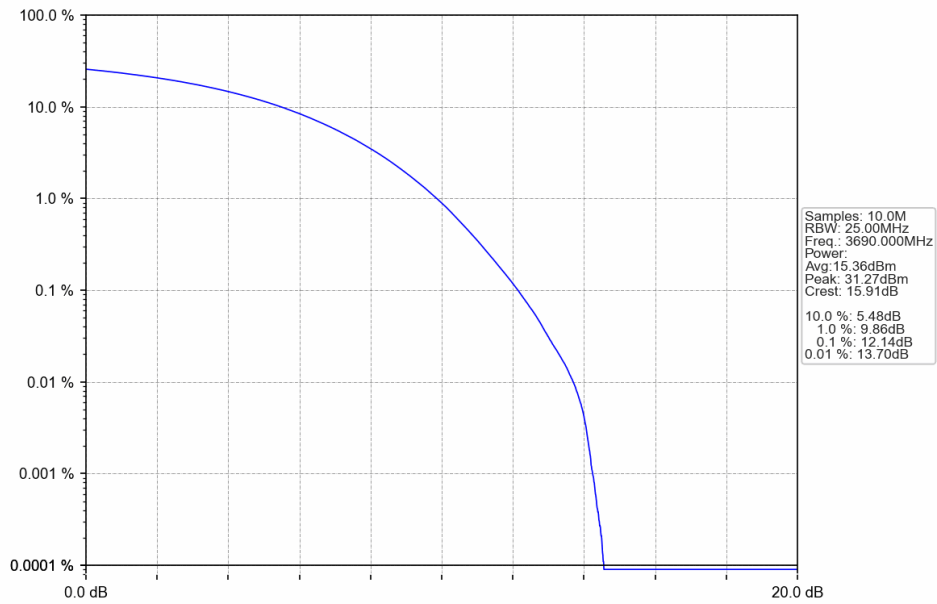
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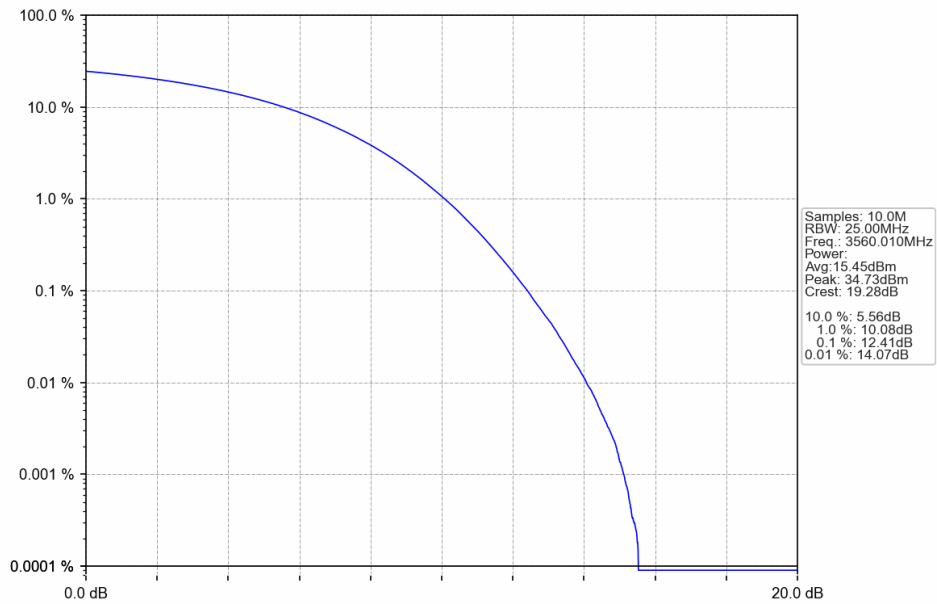
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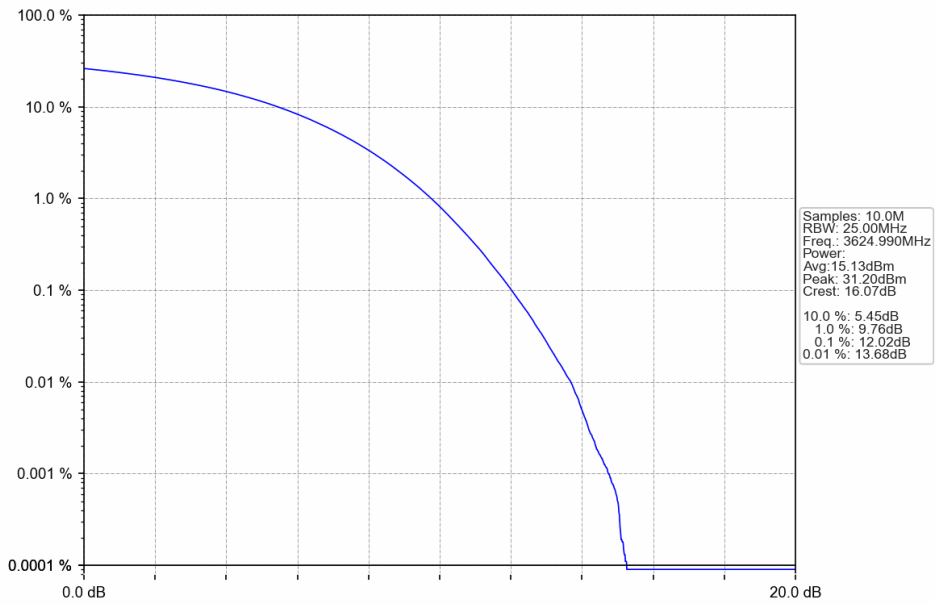




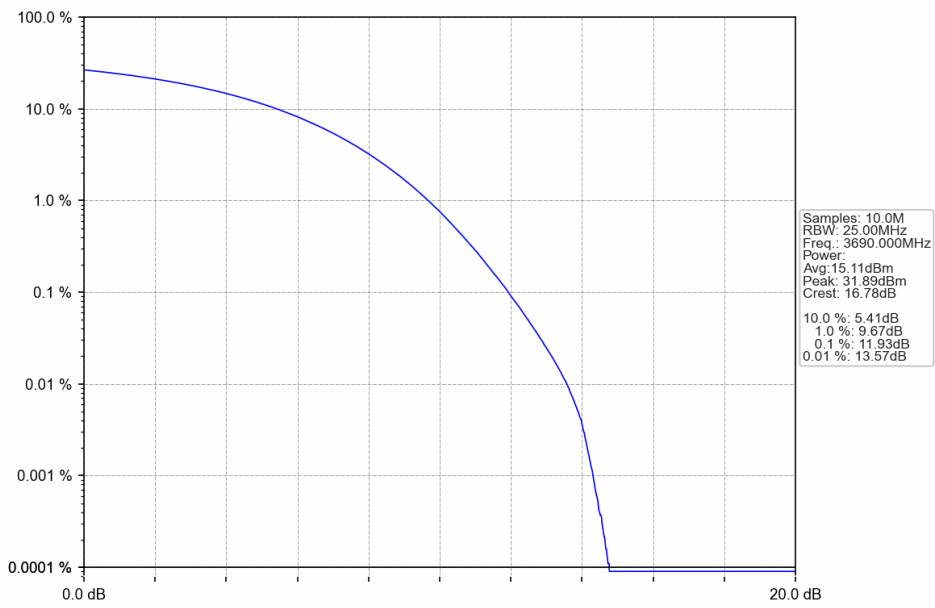
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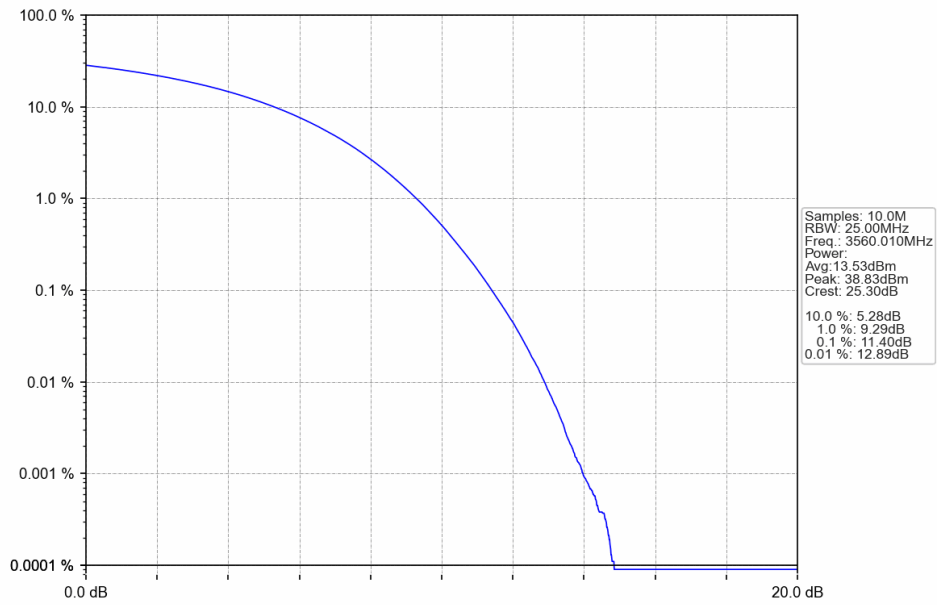
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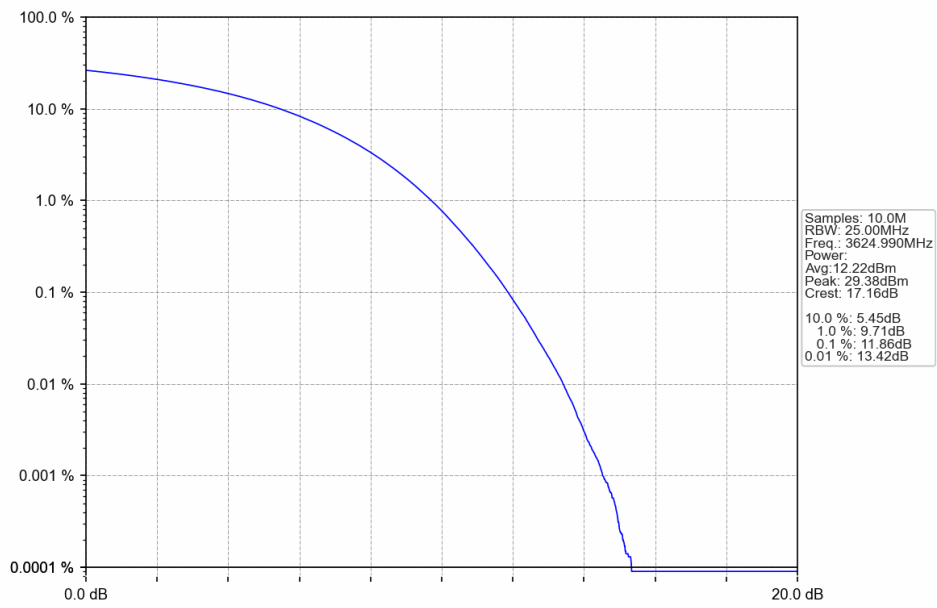
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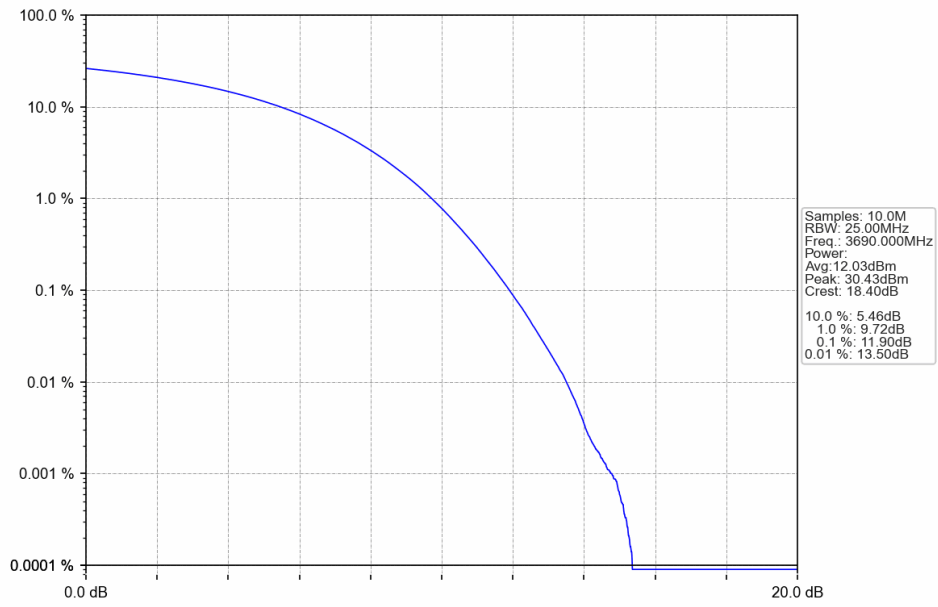
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n48_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Outer_Full



n48_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3690MHz_Outer_Full

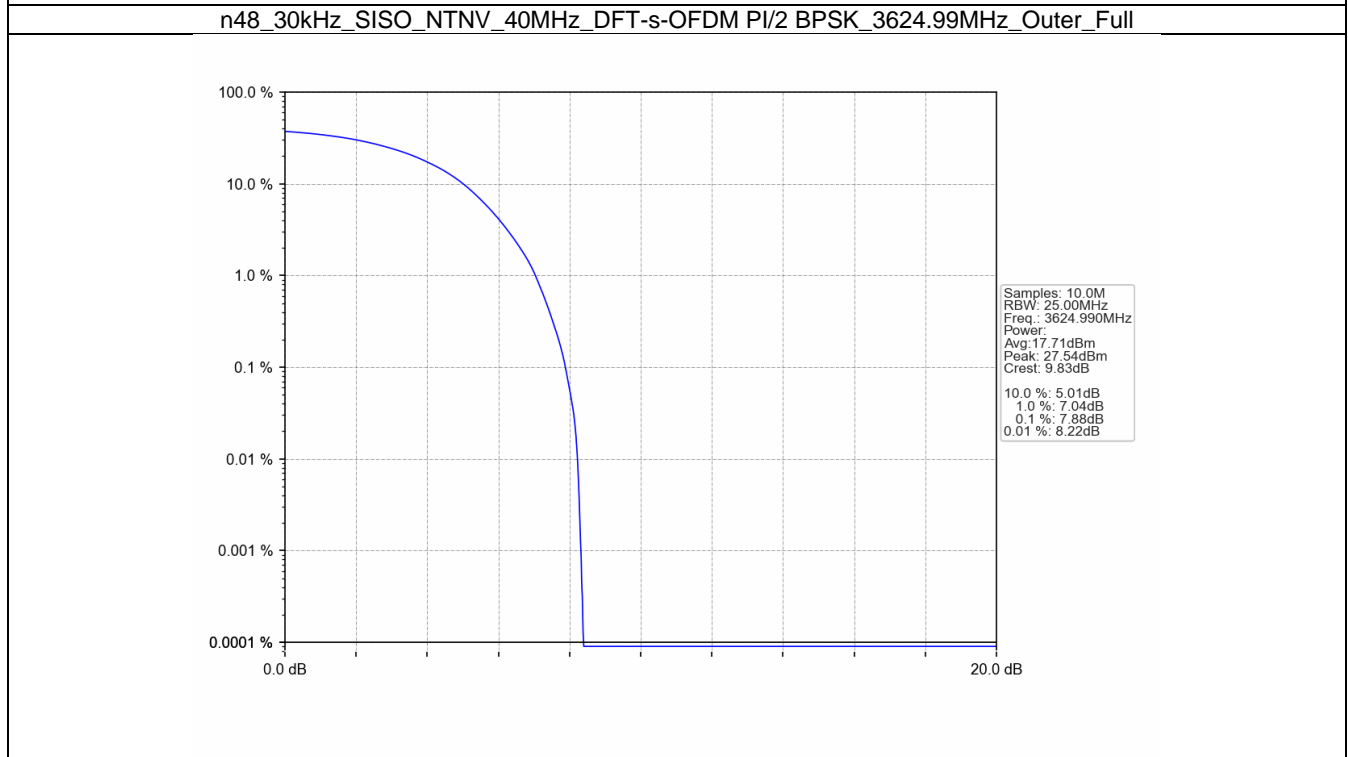
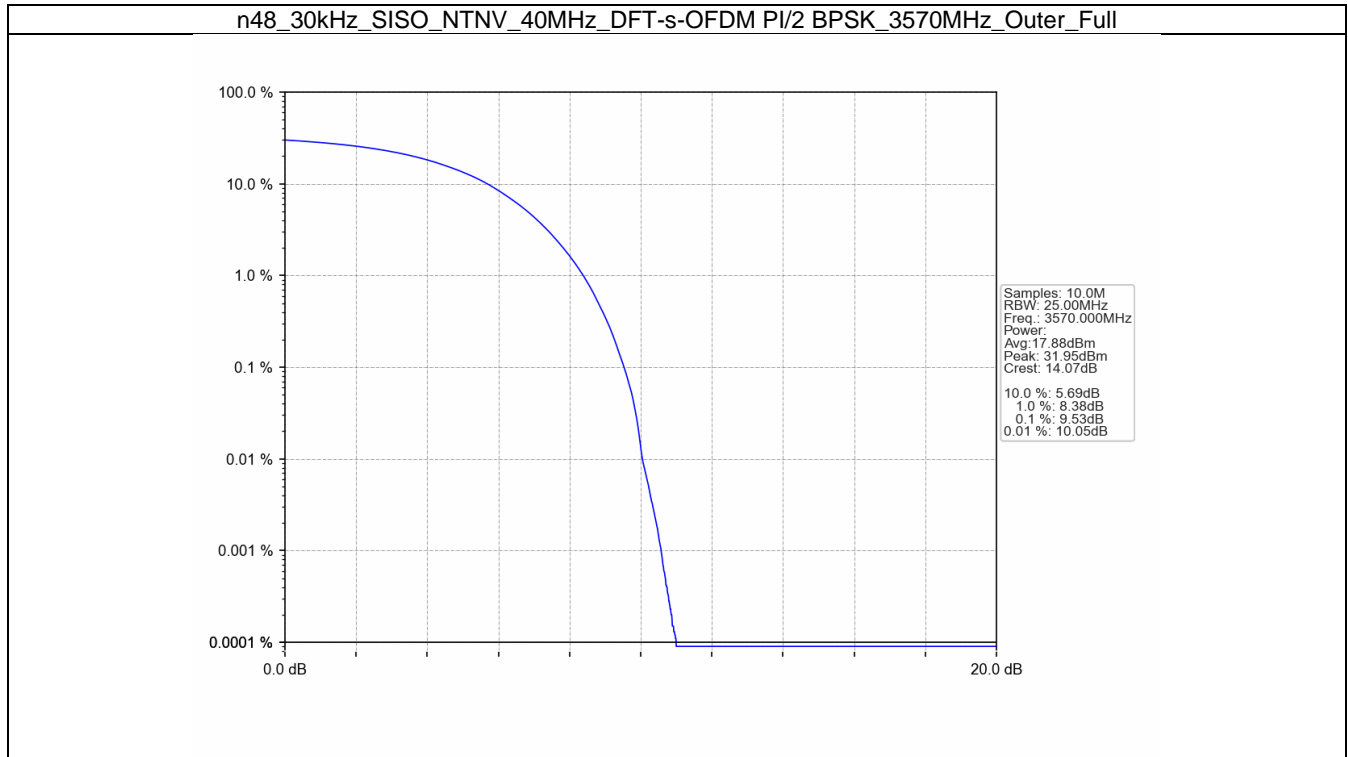


1.3 30k_SISO_40MHz_NTNV

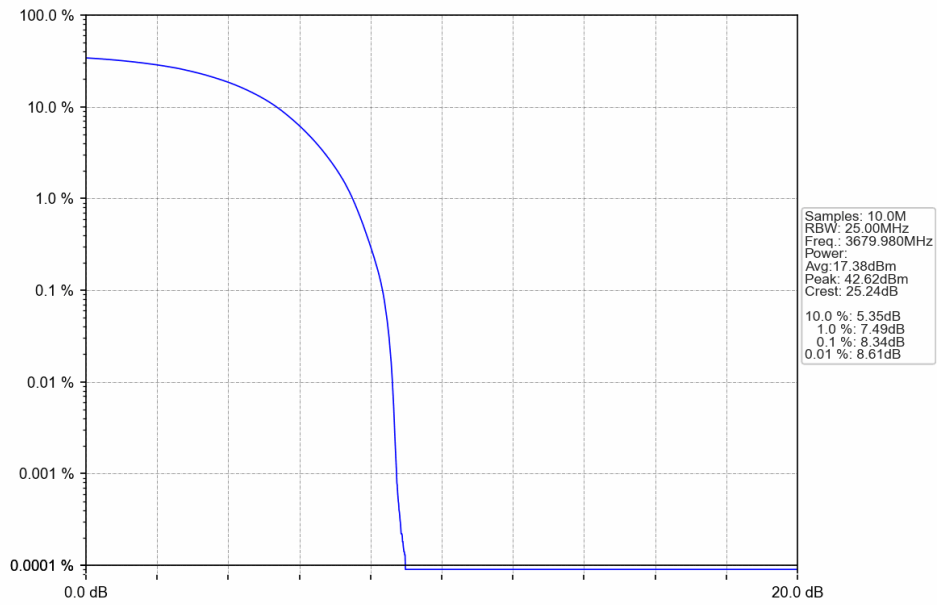
1.3.1 Test Result

5G NR n48 SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3570	Outer_Full	9.53	/	/	<=13	Pass
	3624.99	Outer_Full	7.88	/	/	<=13	Pass
	3679.98	Outer_Full	8.34	/	/	<=13	Pass
DFT-s-OFDM QPSK	3570	Outer_Full	9.67	/	/	<=13	Pass
	3624.99	Outer_Full	9.06	/	/	<=13	Pass
	3679.98	Outer_Full	9.33	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3570	Outer_Full	11.29	/	/	<=13	Pass
	3624.99	Outer_Full	10.53	/	/	<=13	Pass
	3679.98	Outer_Full	10.07	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3570	Outer_Full	10.44	/	/	<=13	Pass
	3624.99	Outer_Full	10.20	/	/	<=13	Pass
	3679.98	Outer_Full	9.94	/	/	<=13	Pass
CP-OFDM QPSK	3570	Outer_Full	12.08	/	/	<=13	Pass
	3624.99	Outer_Full	12.48	/	/	<=13	Pass
	3679.98	Outer_Full	11.55	/	/	<=13	Pass
CP-OFDM 64 QAM	3570	Outer_Full	11.57	/	/	<=13	Pass
	3624.99	Outer_Full	11.70	/	/	<=13	Pass
	3679.98	Outer_Full	11.18	/	/	<=13	Pass
CP-OFDM 256 QAM	3570	Outer_Full	11.91	/	/	<=13	Pass
	3624.99	Outer_Full	12.02	/	/	<=13	Pass
	3679.98	Outer_Full	12.46	/	/	<=13	Pass

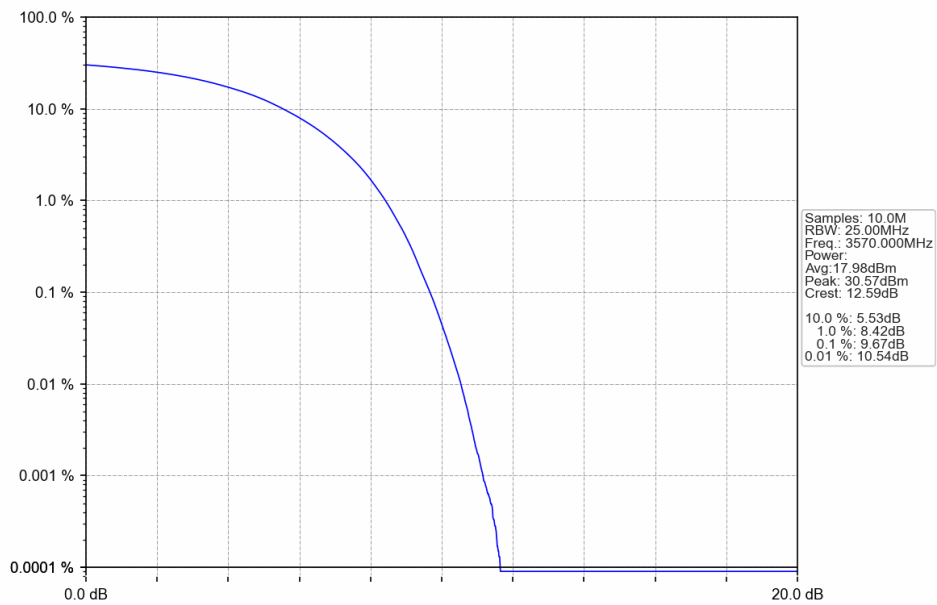
1.3.2 Test Graph



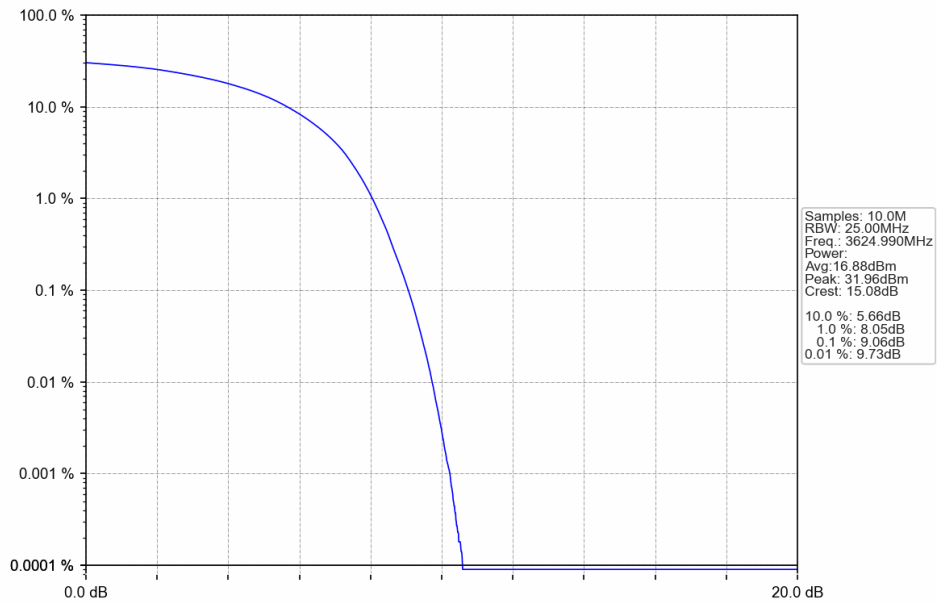
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3679.98MHz_Outer_Full



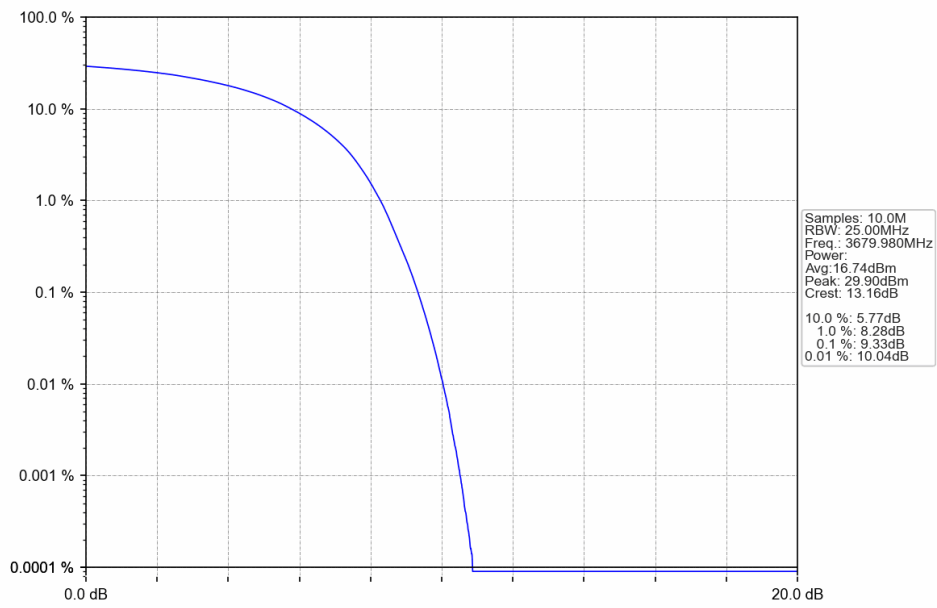
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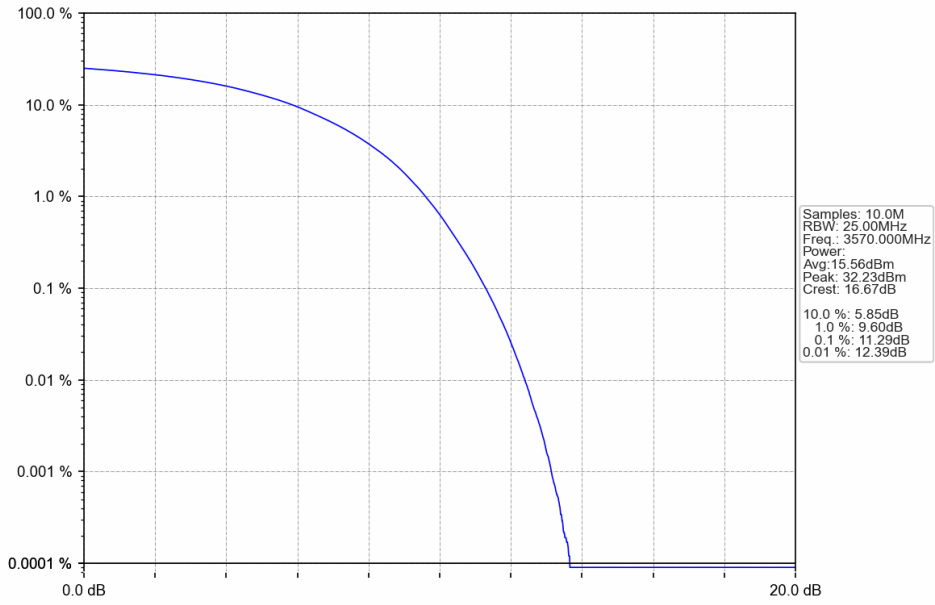
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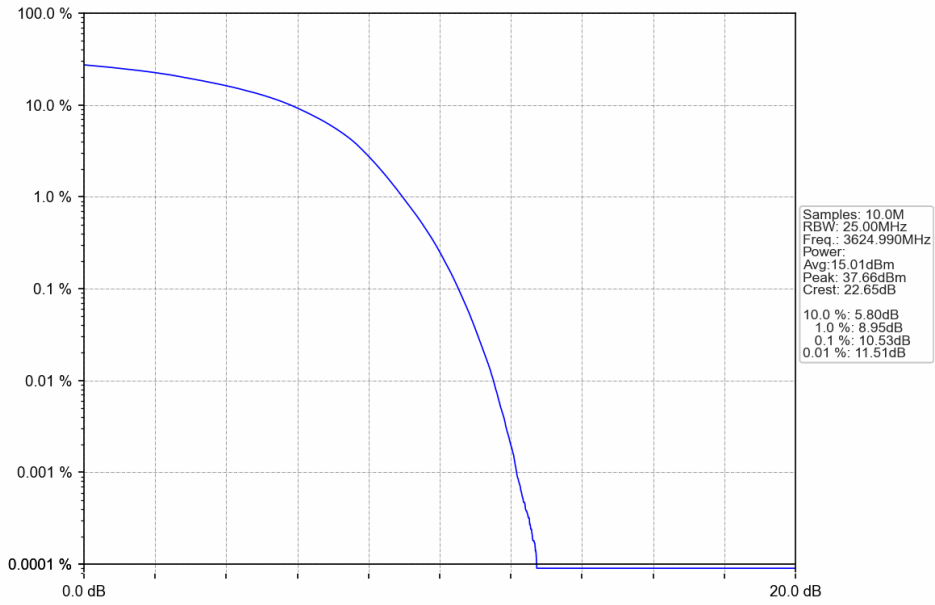
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3679.98MHz_Outer_Full



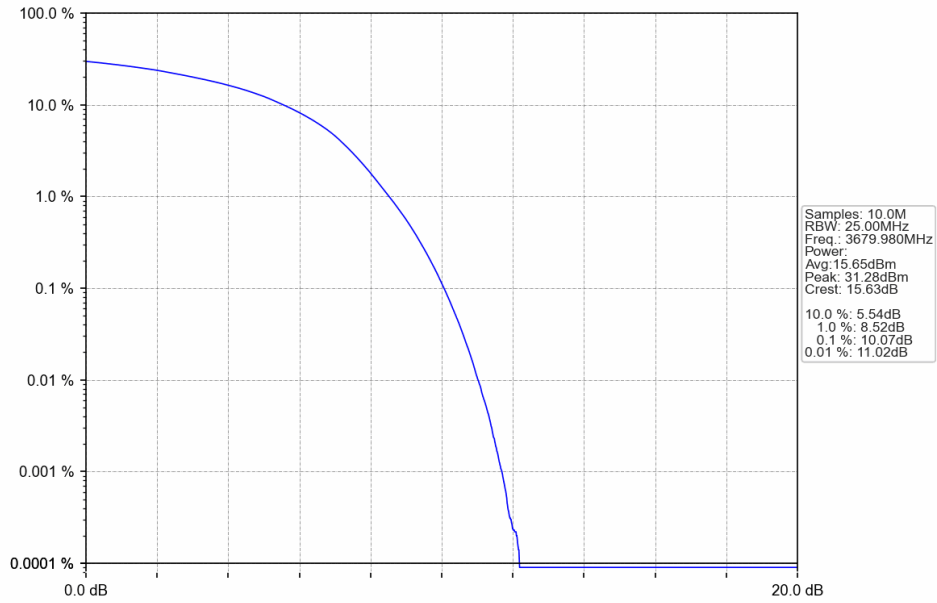
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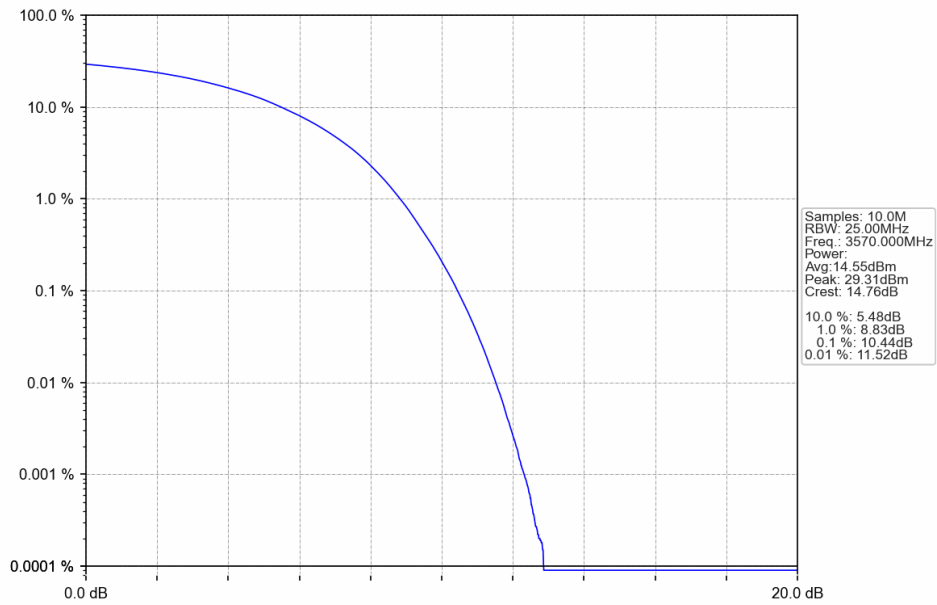
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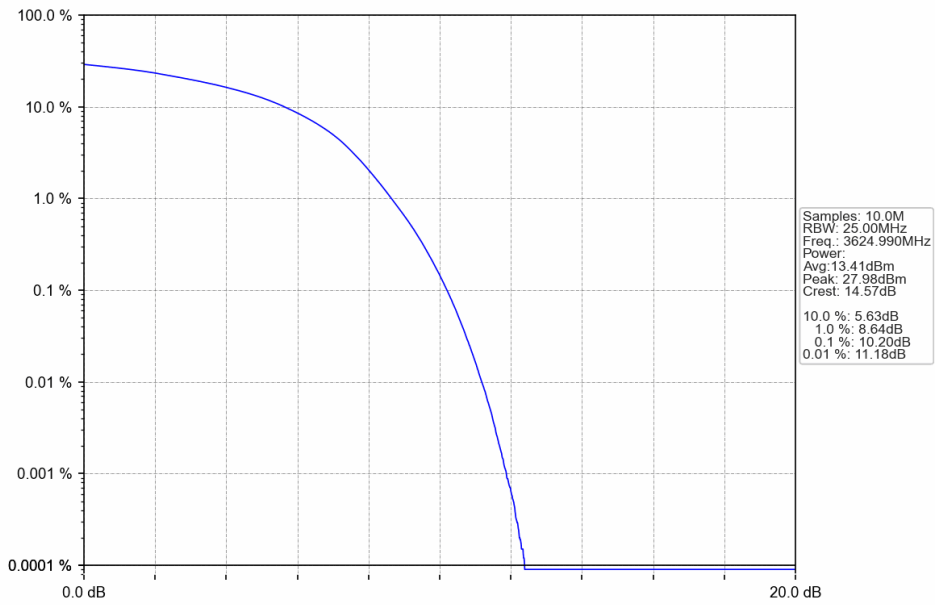
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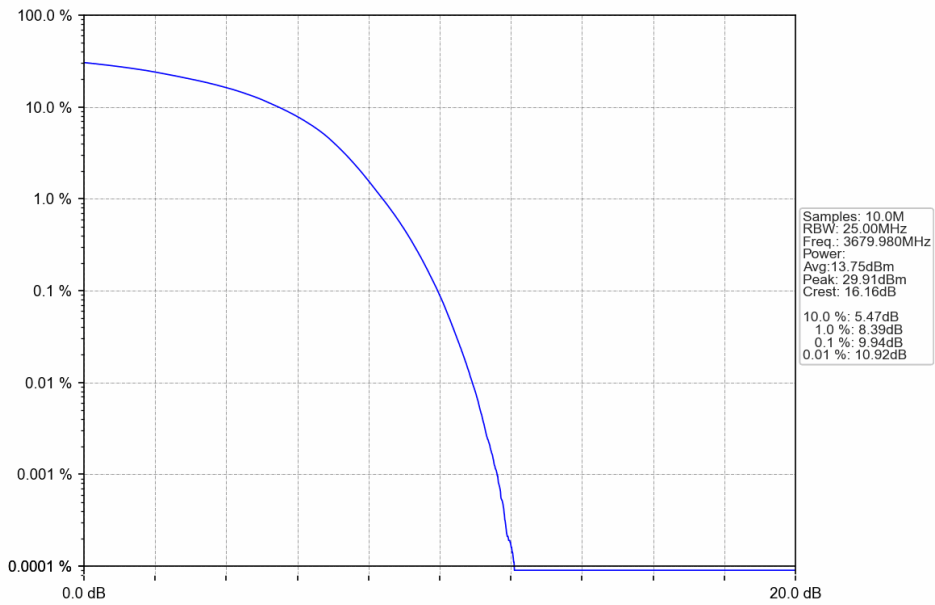
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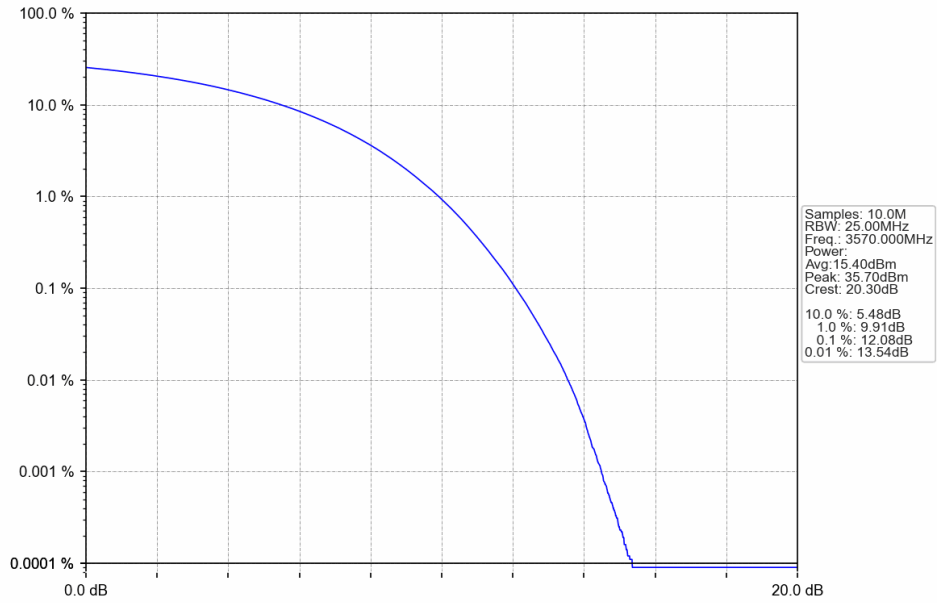
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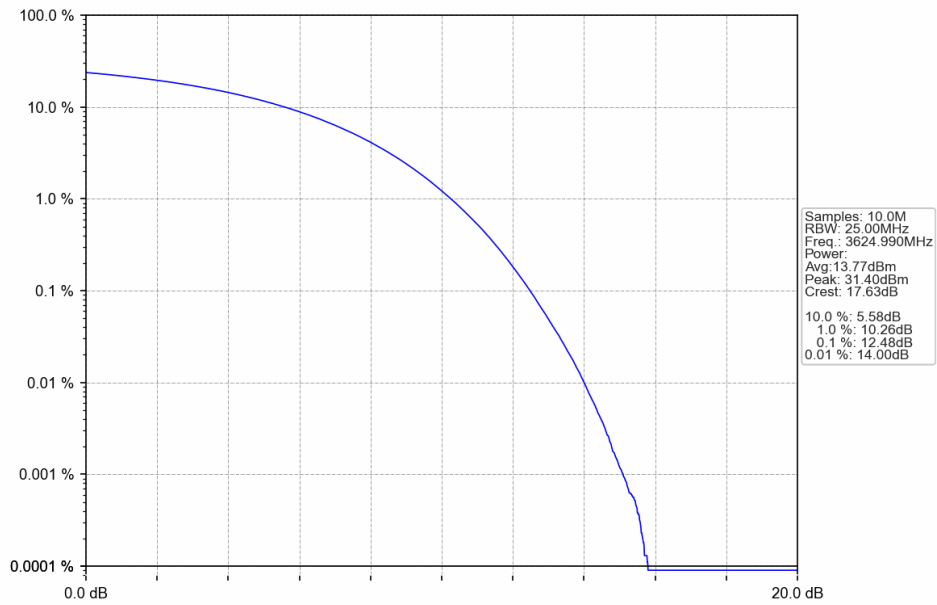
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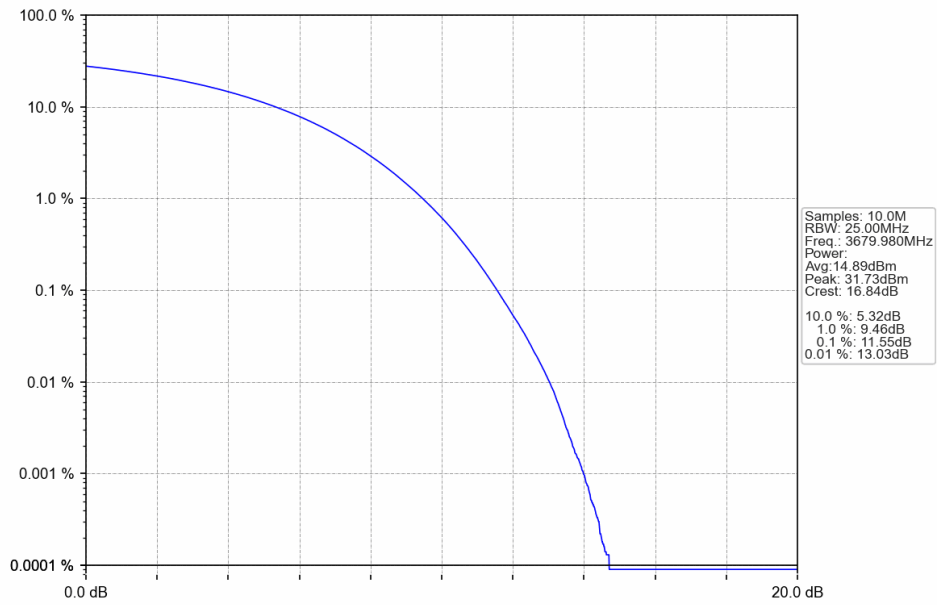
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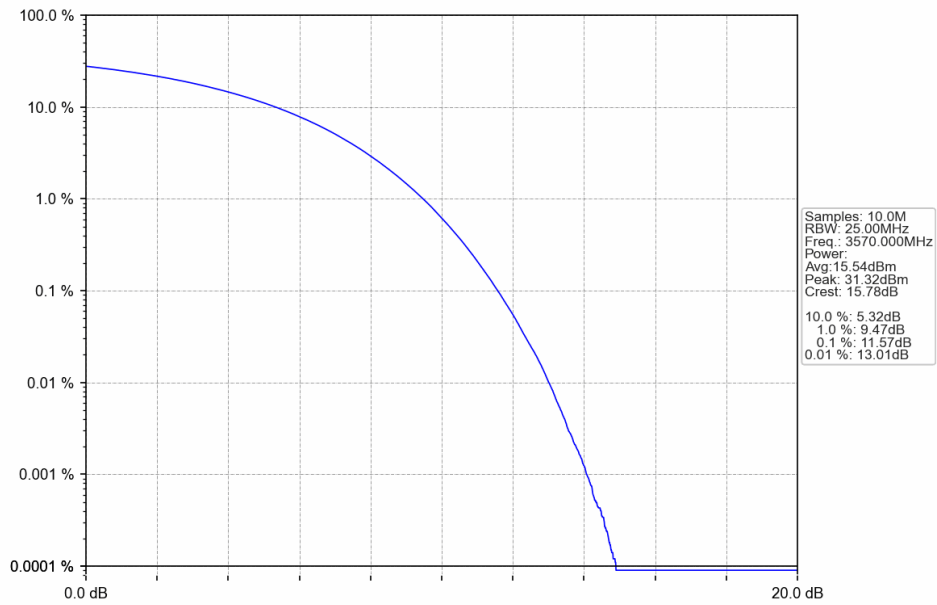
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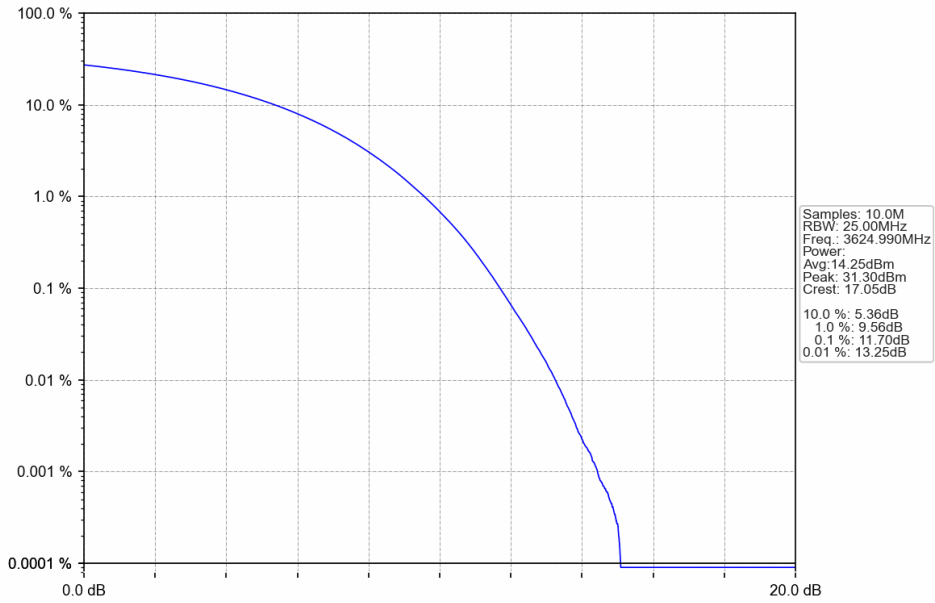
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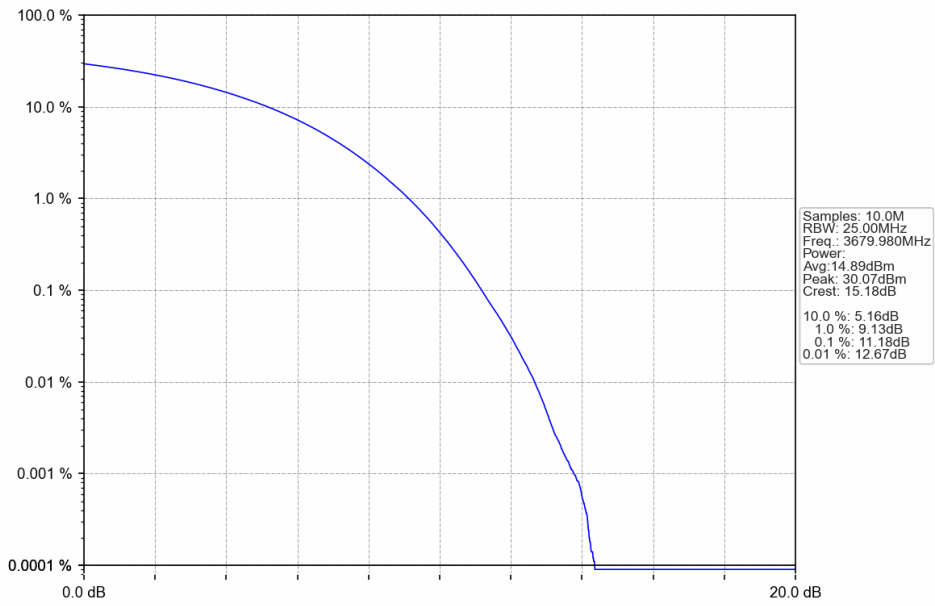
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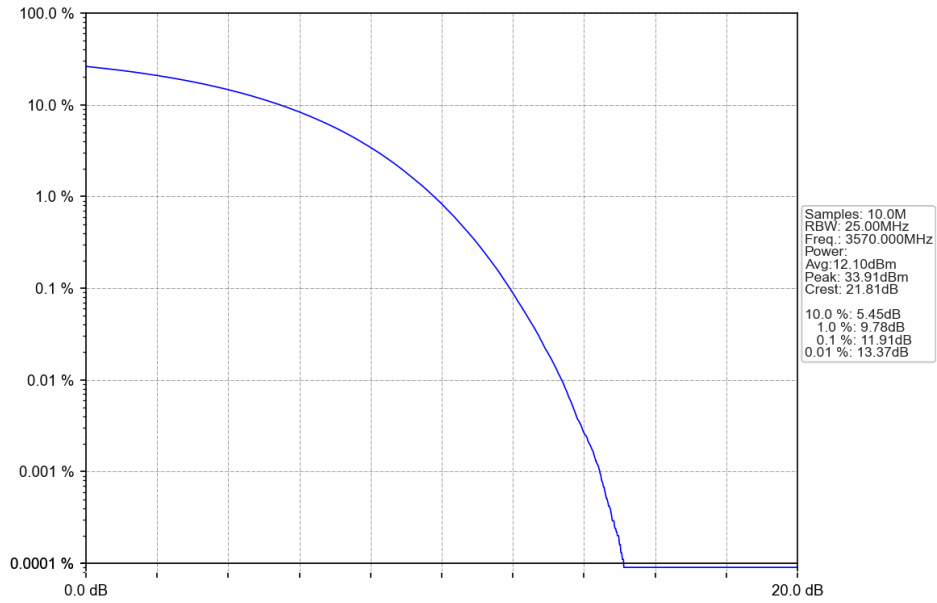
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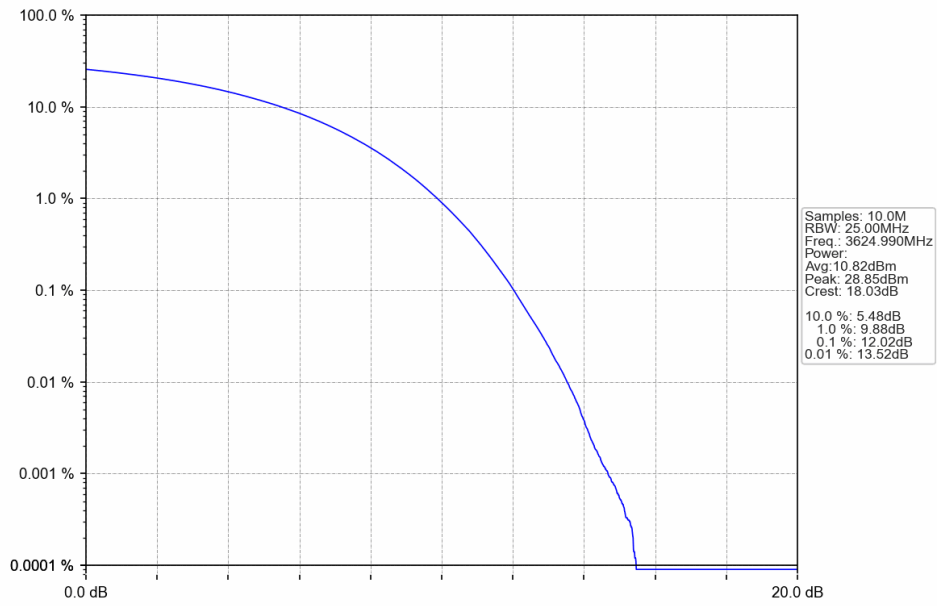
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n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3570MHz_Outer_Full



n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n48_30kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_3679.98MHz_Outer_Full

