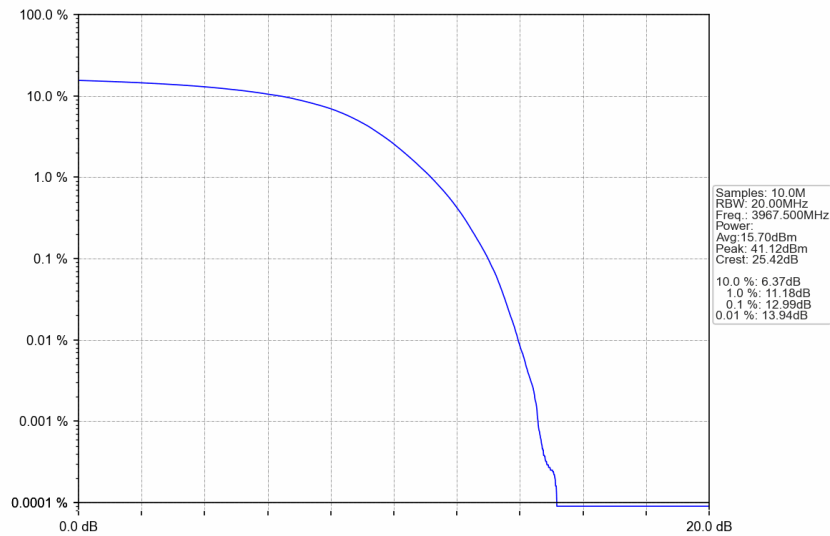
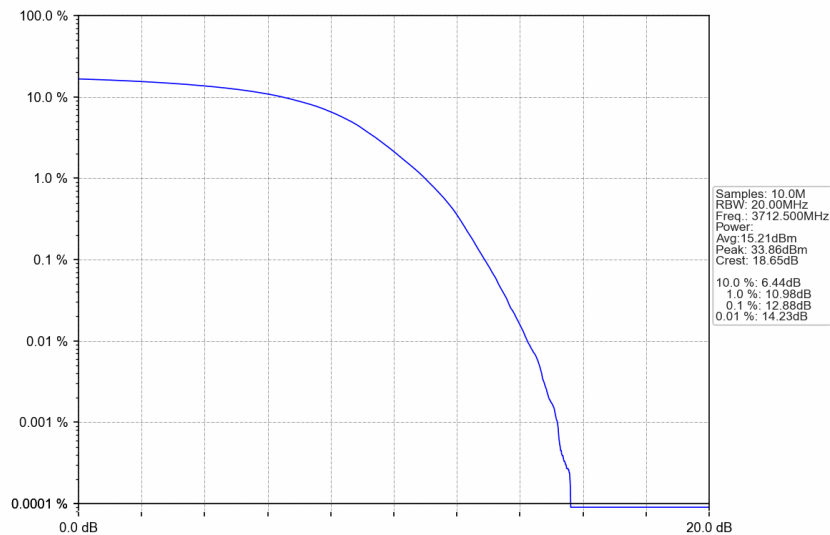




n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM 16 QAM_3967.5MHz_Outer_Full



n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM 64 QAM_3712.5MHz_Outer_Full



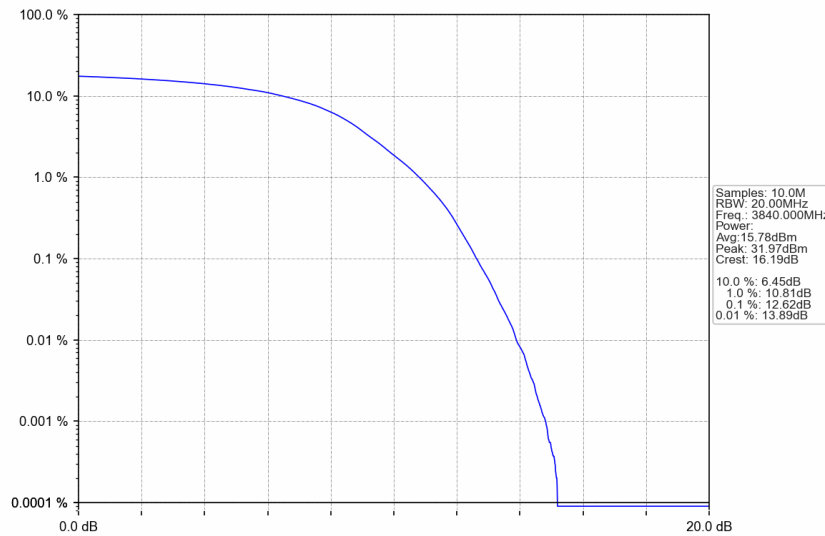
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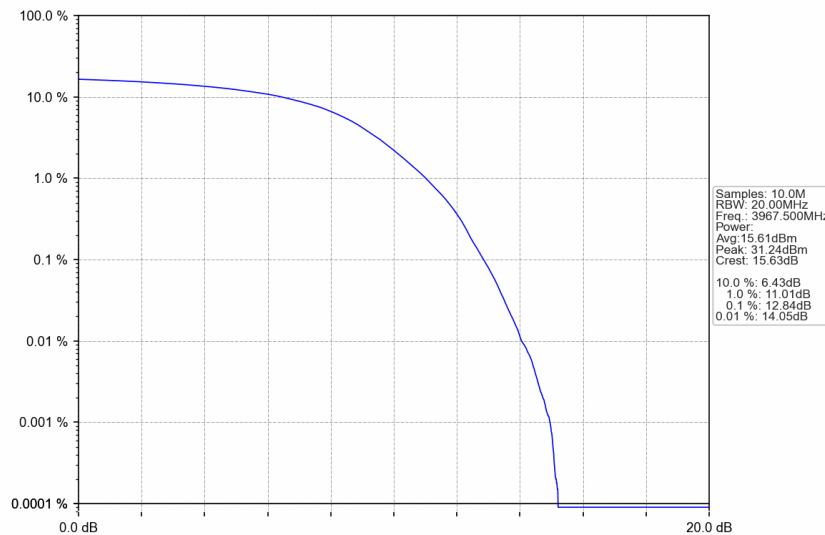
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n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM 64 QAM_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM 64 QAM_3967.5MHz_Outer_Full



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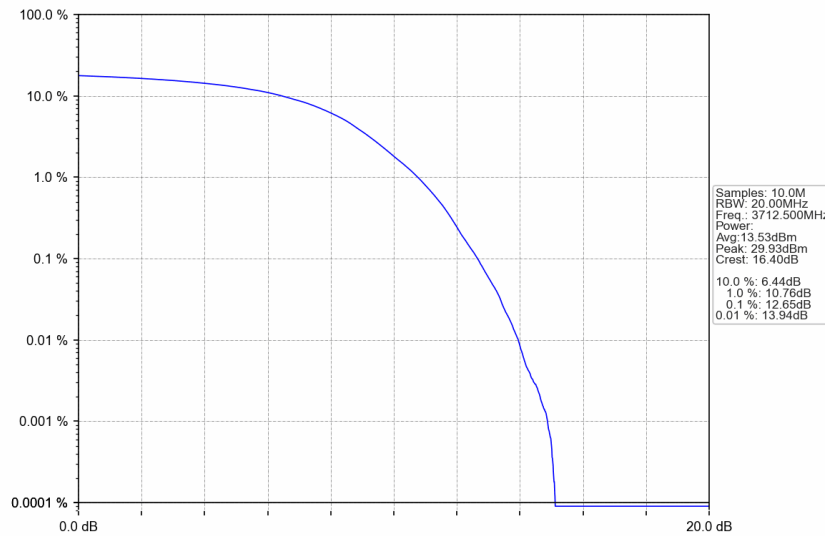
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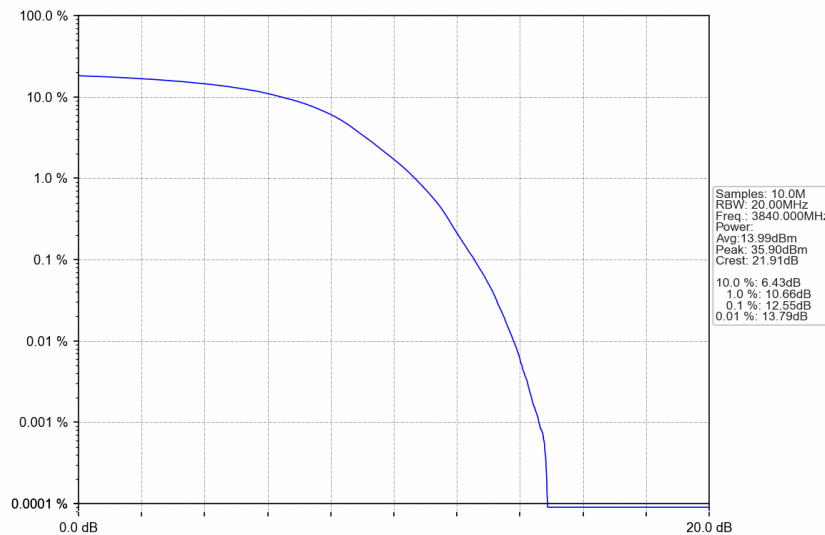
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n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM 256 QAM_3712.5MHz_Outer_Full



n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM 256 QAM_3840MHz_Outer_Full



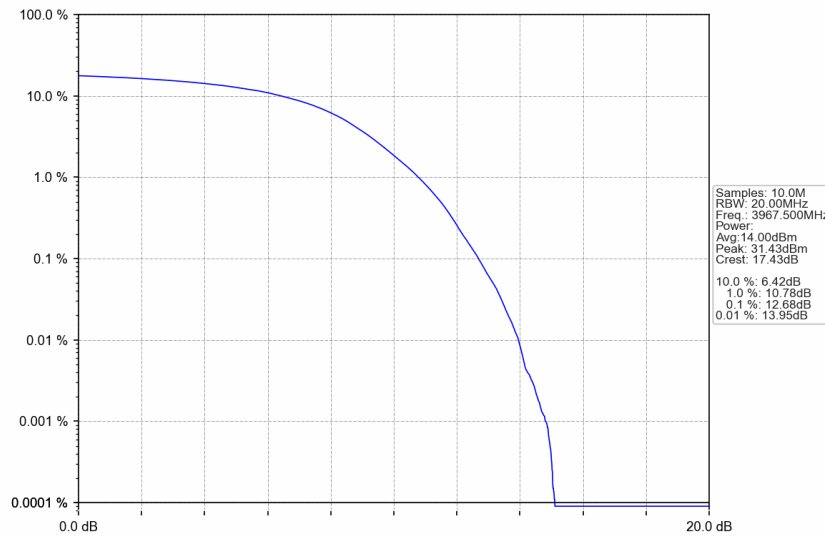
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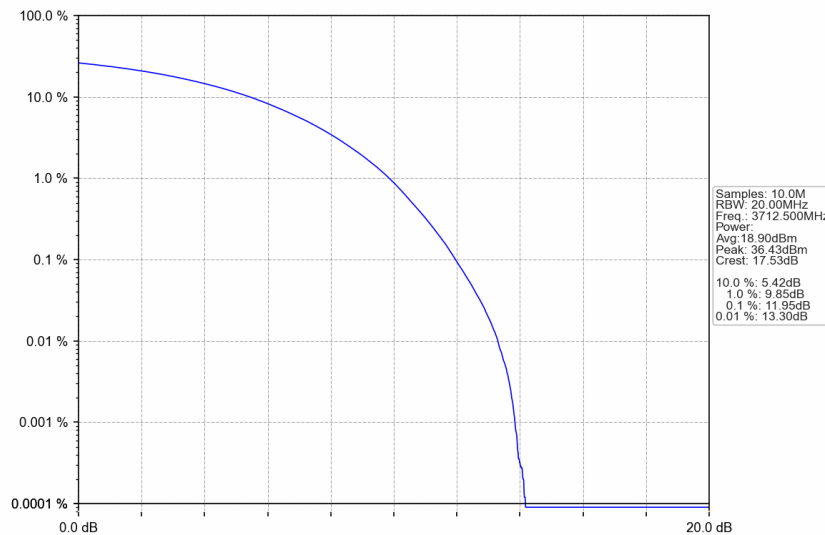
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n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM 256 QAM_3967.5MHz_Outer_Full



n77a_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3712.5MHz_Outer_Full



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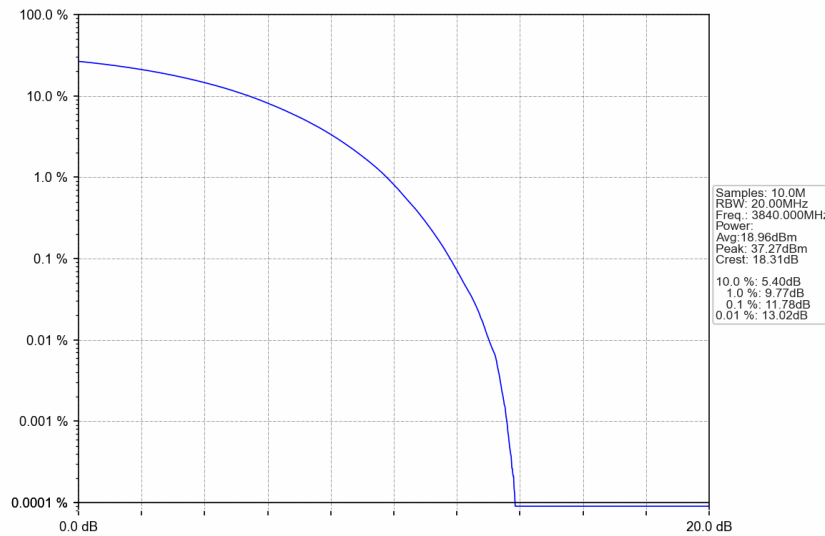
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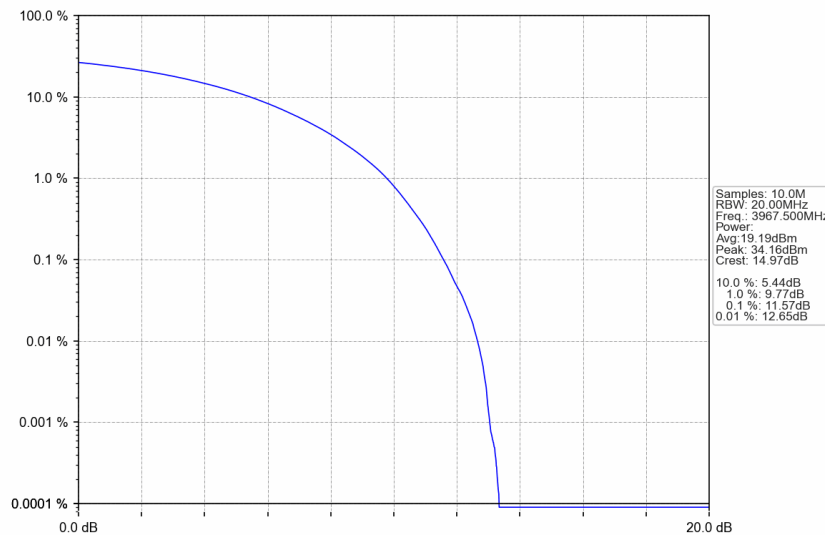
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n77a_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_3967.5MHz_Outer_Full

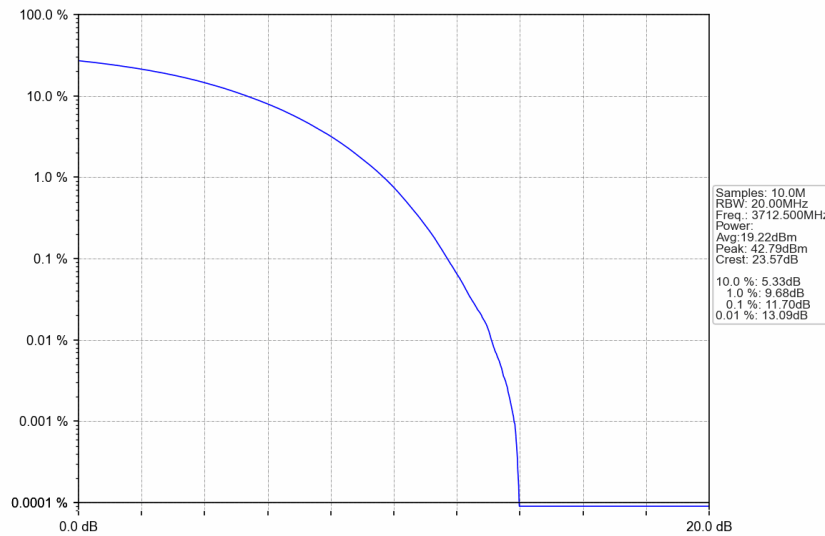


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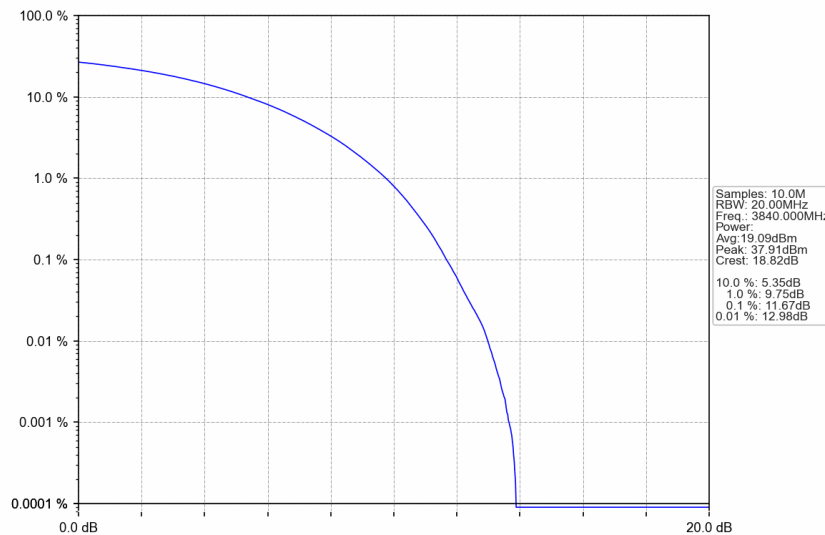
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n77a_30kHz_SISO_NTNV_25MHz_CP-OFDM 16 QAM_3712.5MHz_Outer_Full



n77a_30kHz_SISO_NTNV_25MHz_CP-OFDM 16 QAM_3840MHz_Outer_Full



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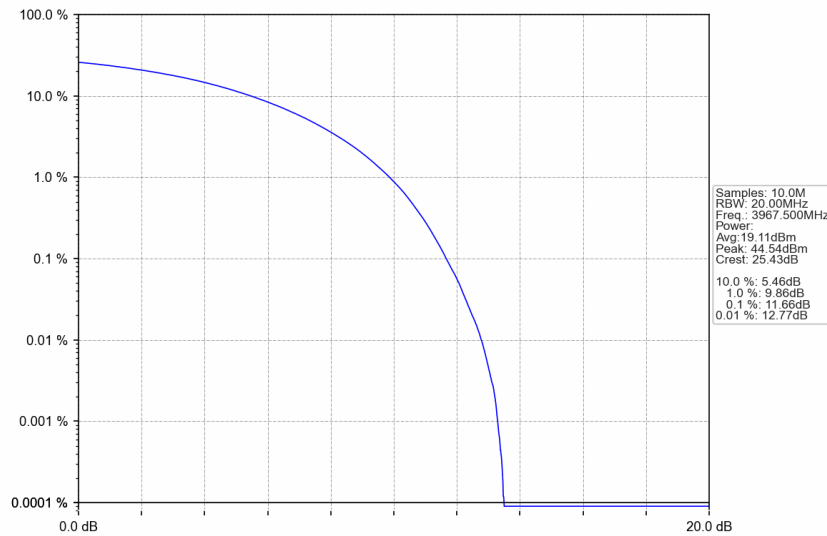
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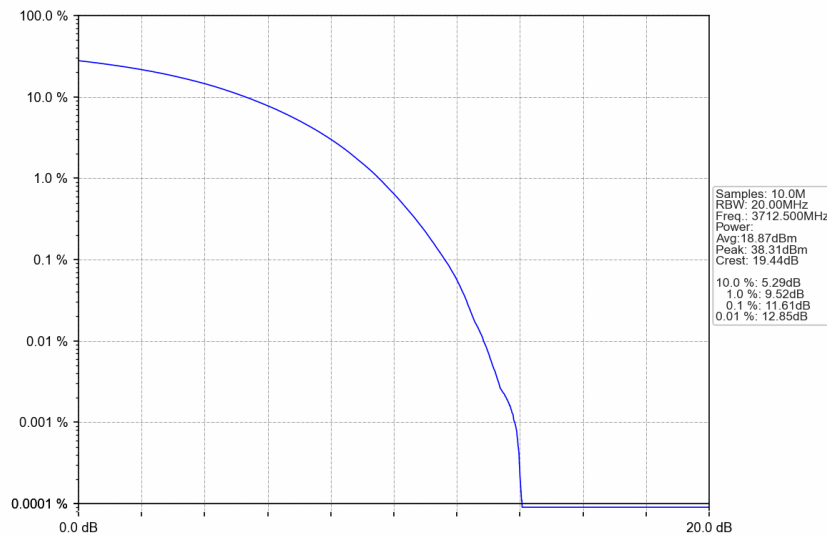
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n77a_30kHz_SISO_NTNV_25MHz_CP-OFDM 16 QAM_3967.5MHz_Outer_Full



n77a_30kHz_SISO_NTNV_25MHz_CP-OFDM 64 QAM_3712.5MHz_Outer_Full

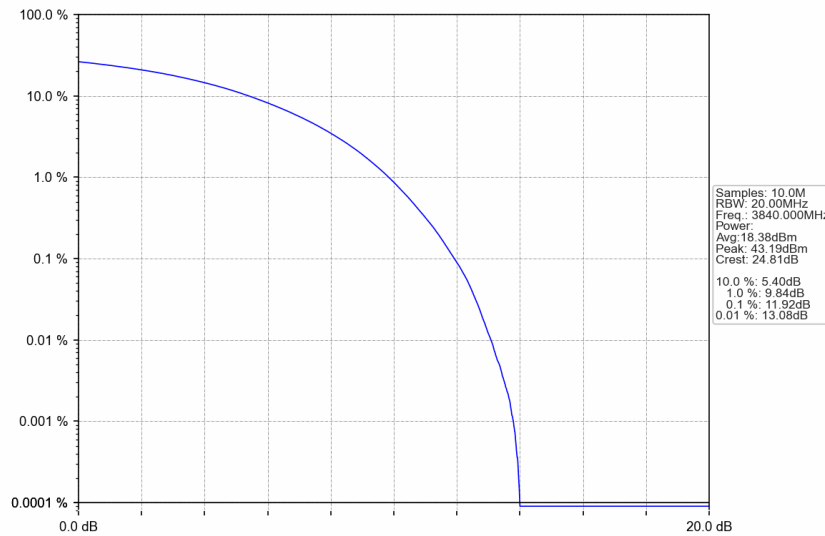


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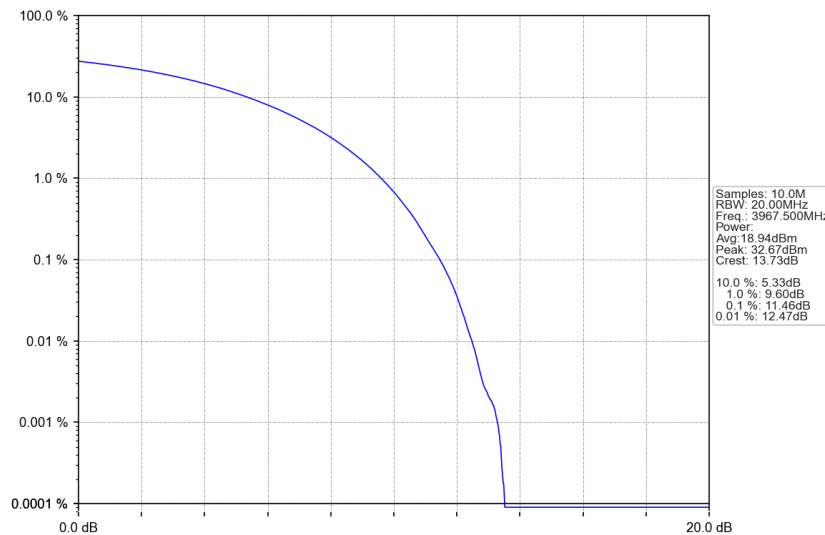
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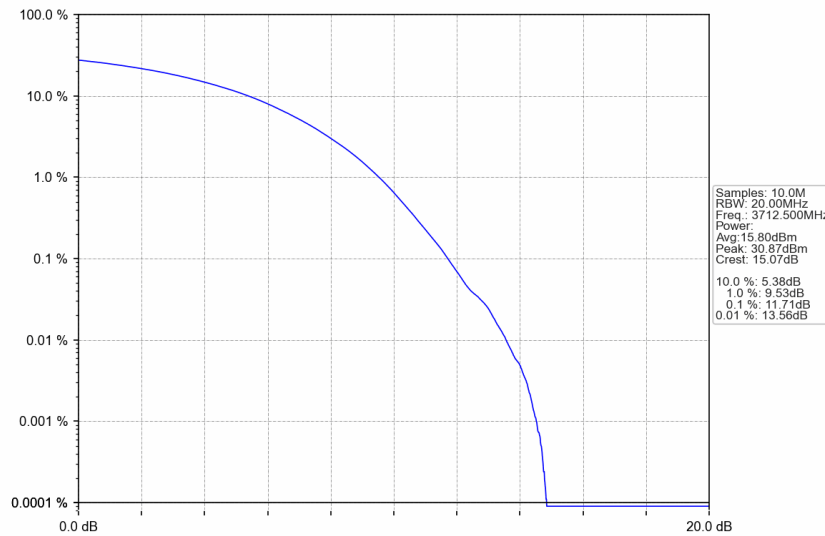
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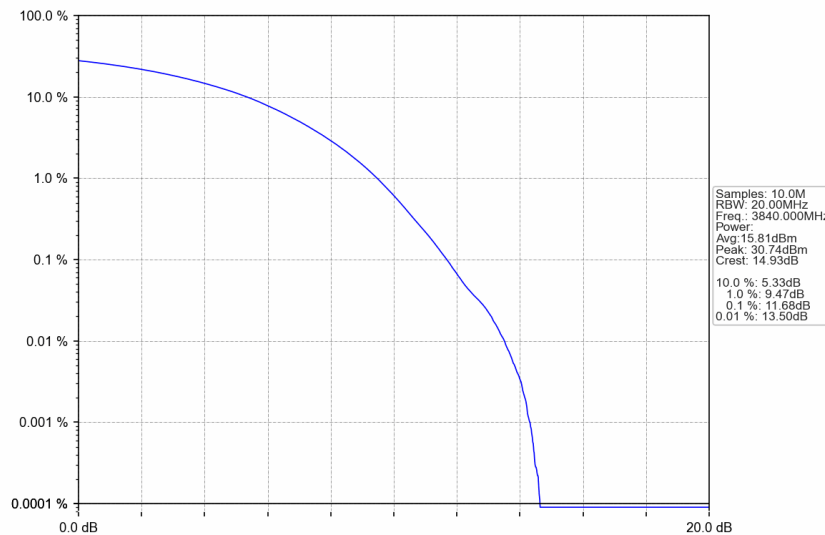
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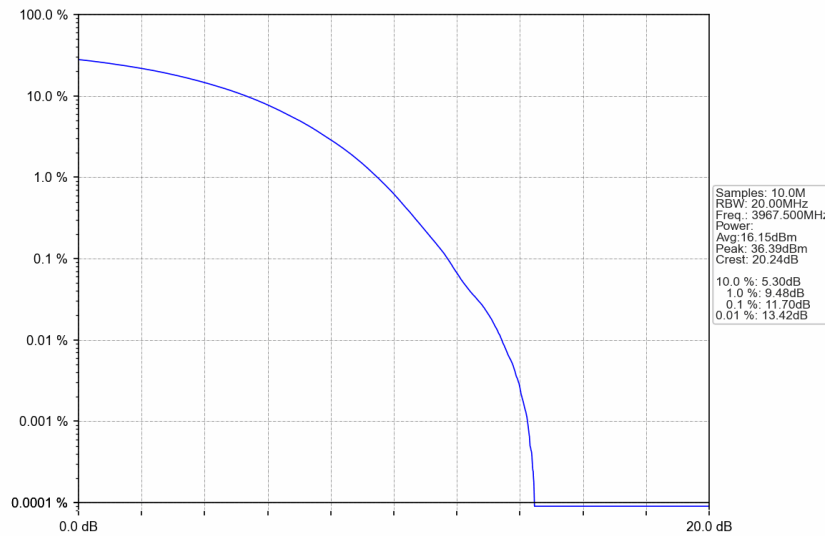


Report No.: SEWM2311000456RG02

Rev.: 01

Page: 587 of 1239

n77a_30kHz_SISO_NTNV_25MHz_CP-OFDM 256 QAM_3967.5MHz_Outer_Full



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5.12 30k_SISO_30MHz_NTNV

5.12.1 Test Result

5G NR n77a SCS=30kHz SISO 30MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3715.02	Outer_Full	11.42	/	/	<=13	Pass
	3840	Outer_Full	10.88	/	/	<=13	Pass
	3964.98	Outer_Full	10.26	/	/	<=13	Pass
DFT-s-OFDM QPSK	3715.02	Outer_Full	11.51	/	/	<=13	Pass
	3840	Outer_Full	11.80	/	/	<=13	Pass
	3964.98	Outer_Full	11.39	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3715.02	Outer_Full	12.32	/	/	<=13	Pass
	3840	Outer_Full	12.55	/	/	<=13	Pass
	3964.98	Outer_Full	12.60	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3715.02	Outer_Full	12.76	/	/	<=13	Pass
	3840	Outer_Full	9.78	/	/	<=13	Pass
	3964.98	Outer_Full	12.69	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3715.02	Outer_Full	9.97	/	/	<=13	Pass
	3840	Outer_Full	12.87	/	/	<=13	Pass
	3964.98	Outer_Full	12.92	/	/	<=13	Pass
CP-OFDM QPSK	3715.02	Outer_Full	11.78	/	/	<=13	Pass
	3840	Outer_Full	11.78	/	/	<=13	Pass
	3964.98	Outer_Full	11.42	/	/	<=13	Pass
CP-OFDM 16 QAM	3715.02	Outer_Full	11.72	/	/	<=13	Pass
	3840	Outer_Full	11.81	/	/	<=13	Pass
	3964.98	Outer_Full	11.55	/	/	<=13	Pass
CP-OFDM 64 QAM	3715.02	Outer_Full	11.98	/	/	<=13	Pass
	3840	Outer_Full	11.69	/	/	<=13	Pass
	3964.98	Outer_Full	11.75	/	/	<=13	Pass
CP-OFDM 256 QAM	3715.02	Outer_Full	11.53	/	/	<=13	Pass
	3840	Outer_Full	11.57	/	/	<=13	Pass
	3964.98	Outer_Full	11.74	/	/	<=13	Pass

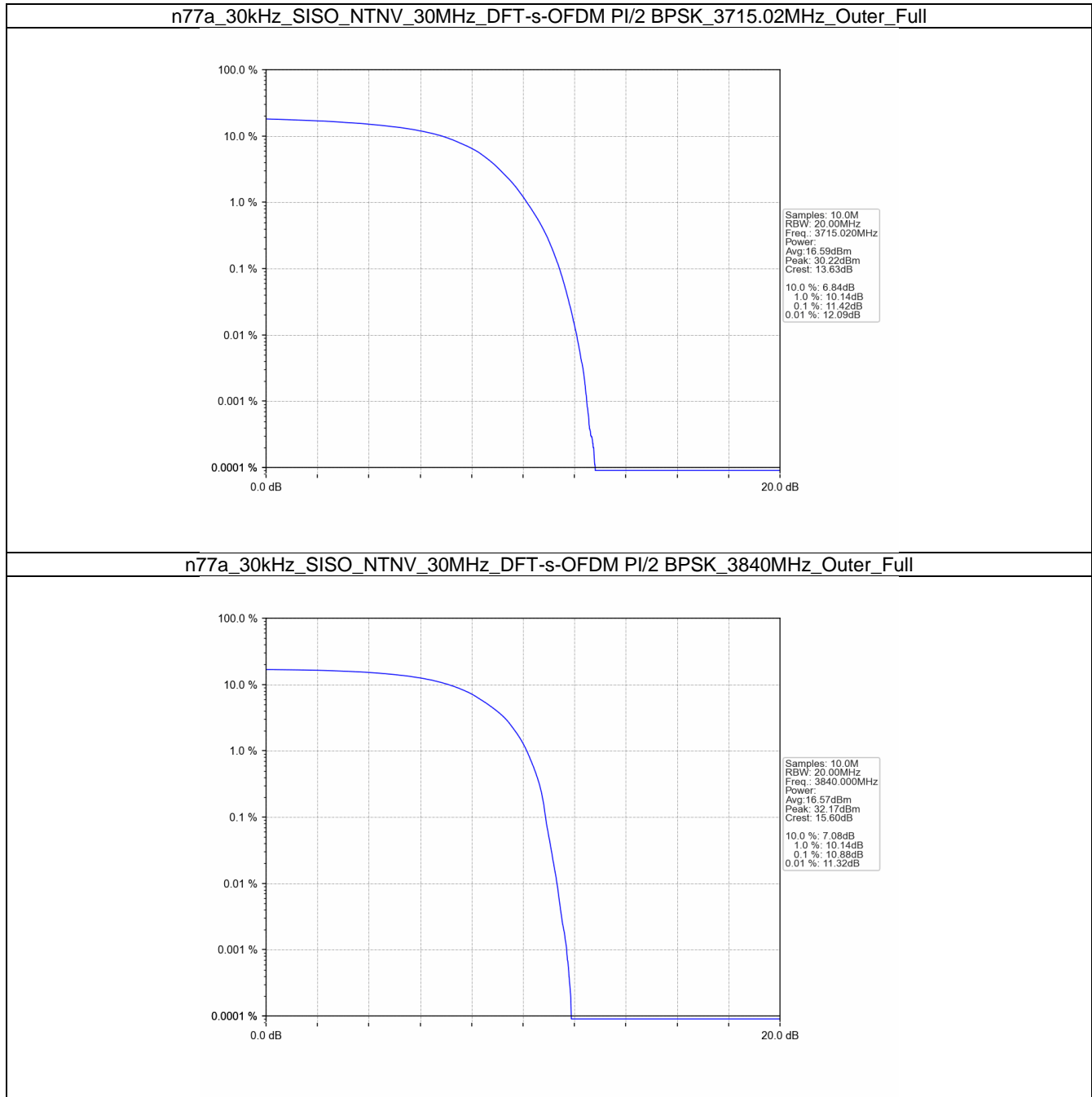


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5.12.2 Test Graph



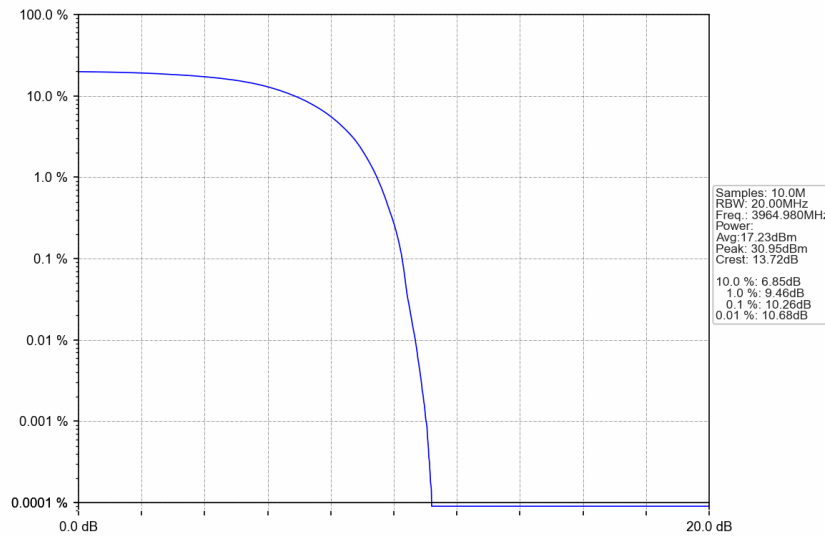
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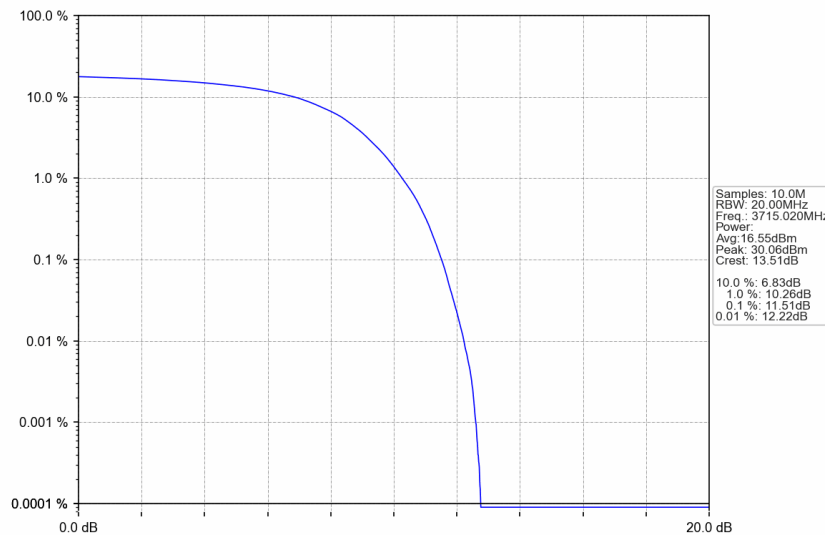
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n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3964.98MHz_Outer_Full



n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3715.02MHz_Outer_Full

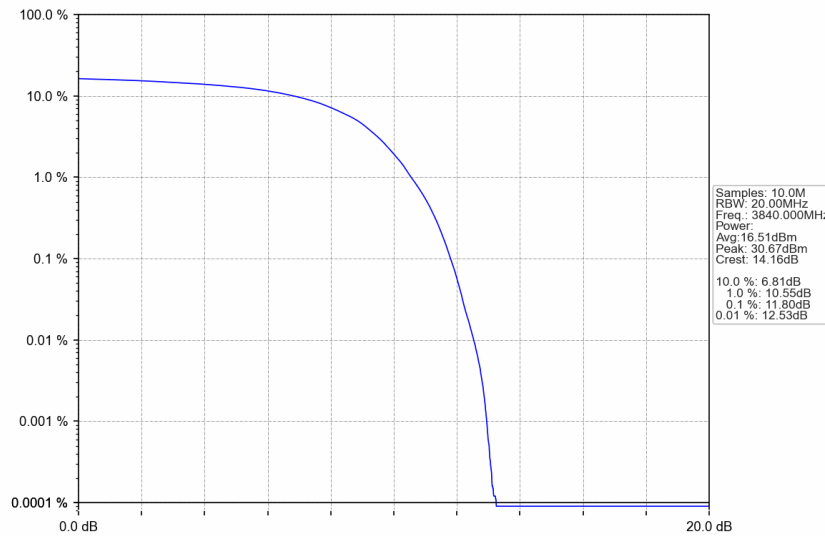


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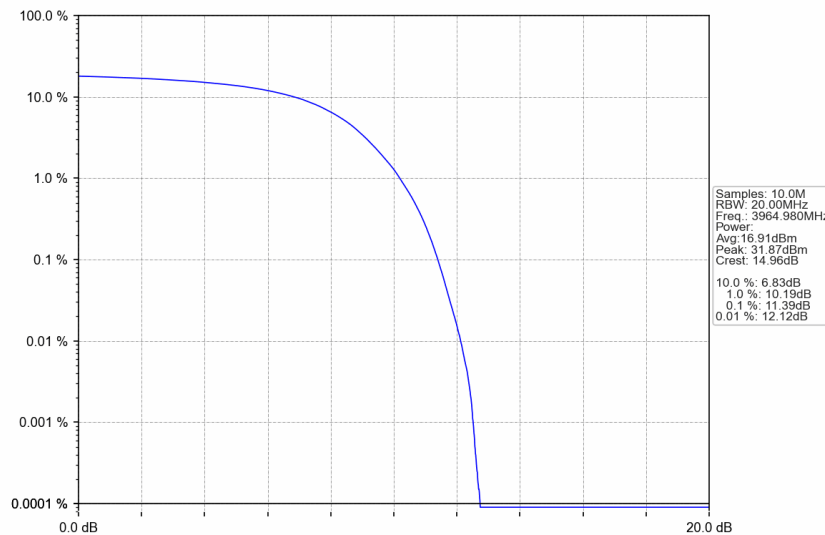
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n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3964.98MHz_Outer_Full



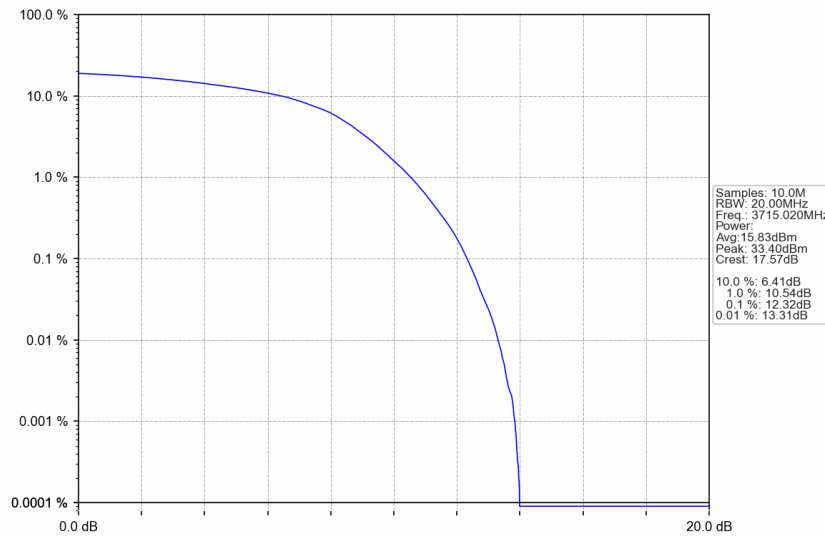
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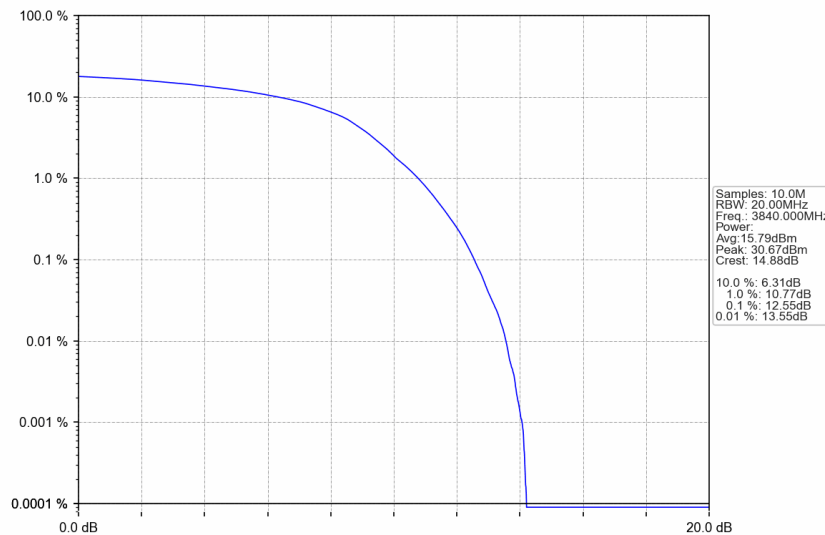
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n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_3840MHz_Outer_Full



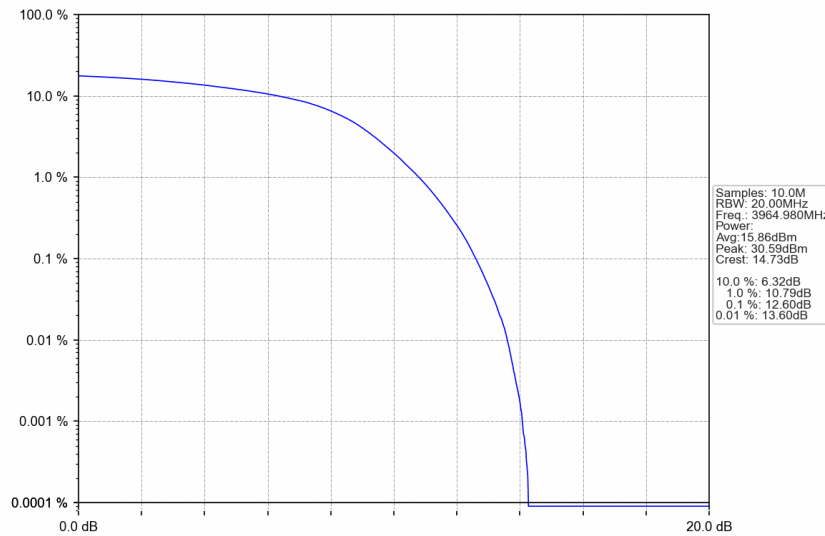
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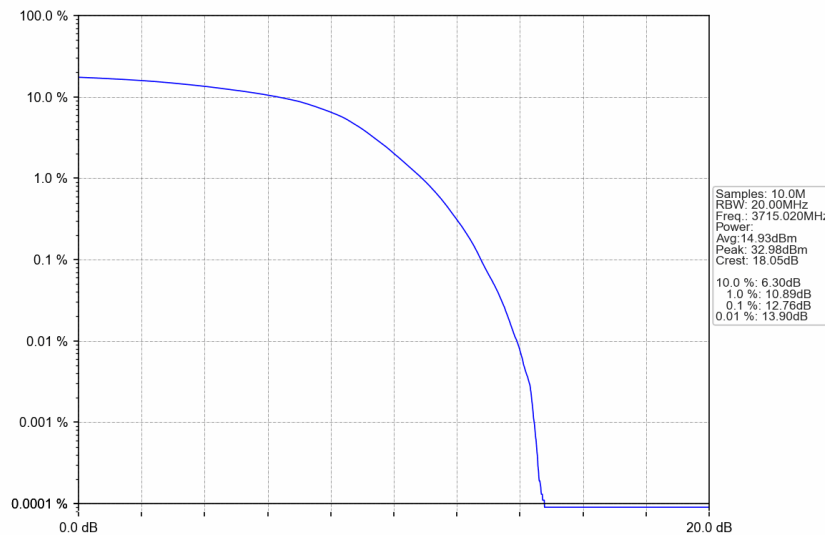
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n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3715.02MHz_Outer_Full



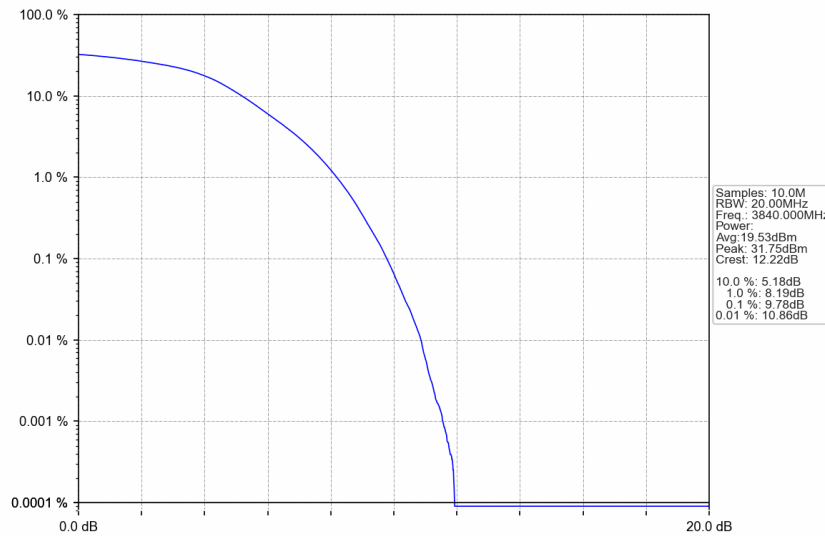
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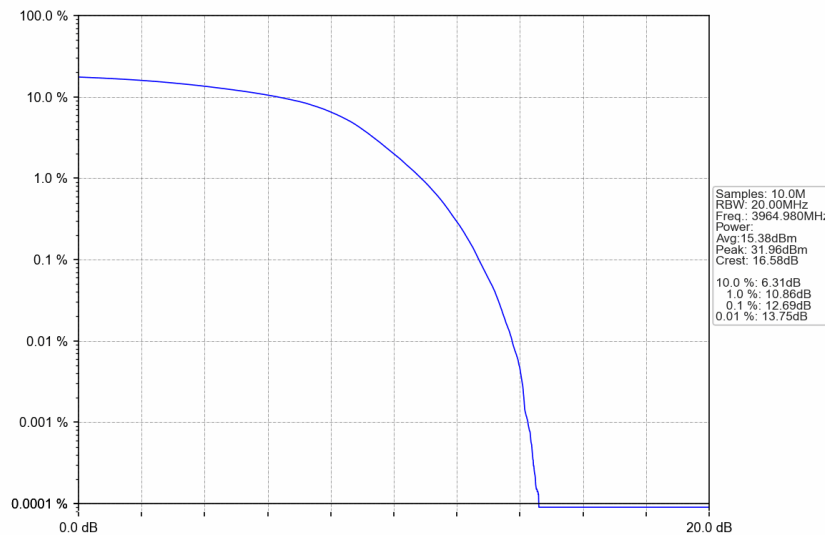
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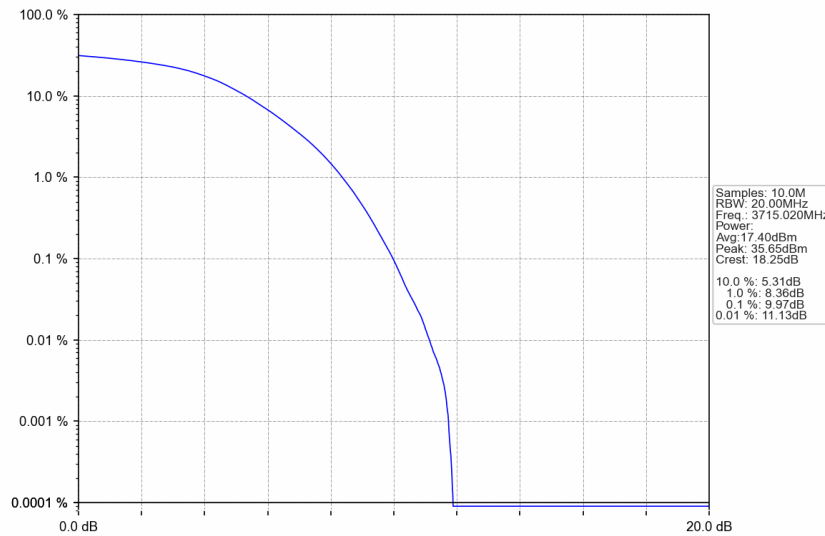


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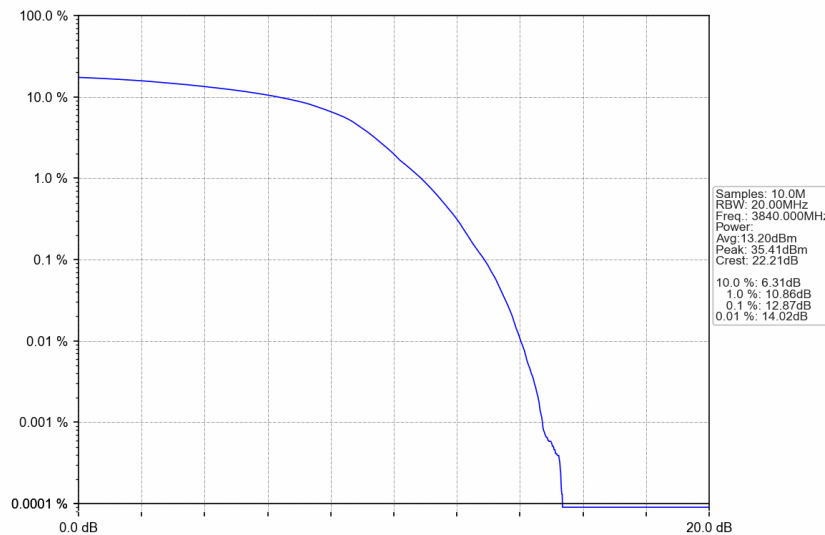
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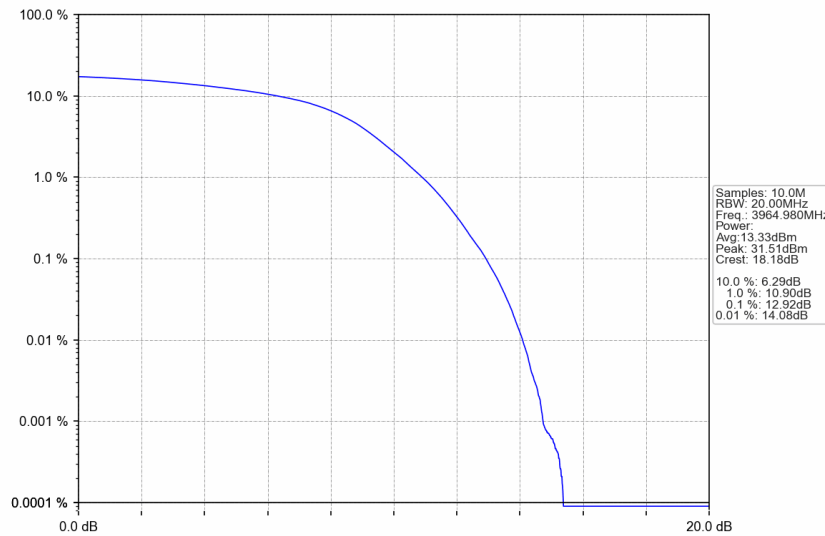
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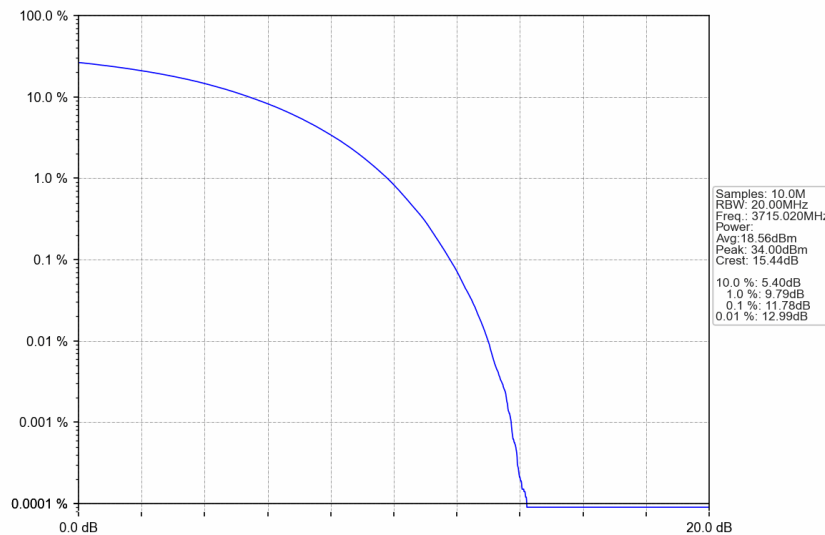
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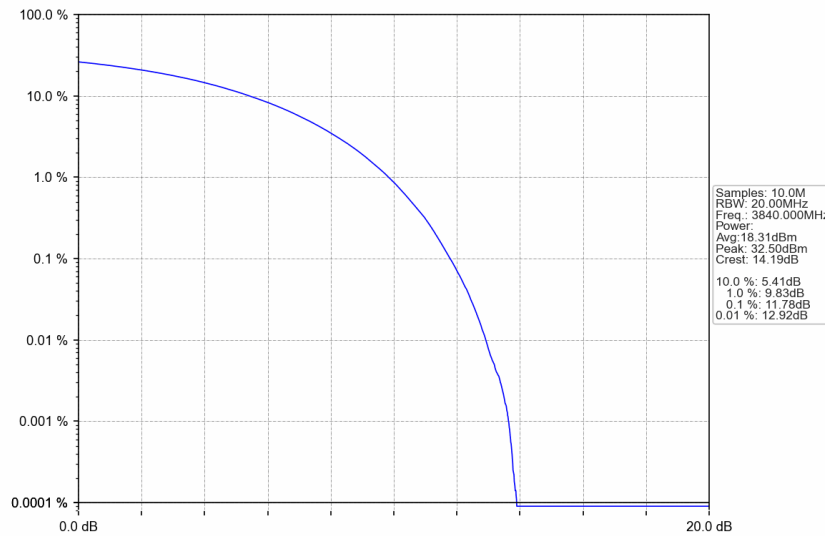
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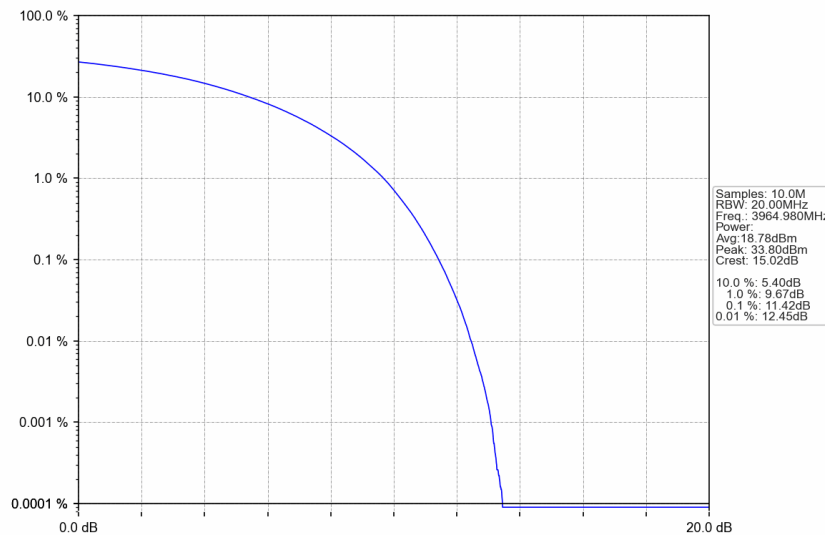
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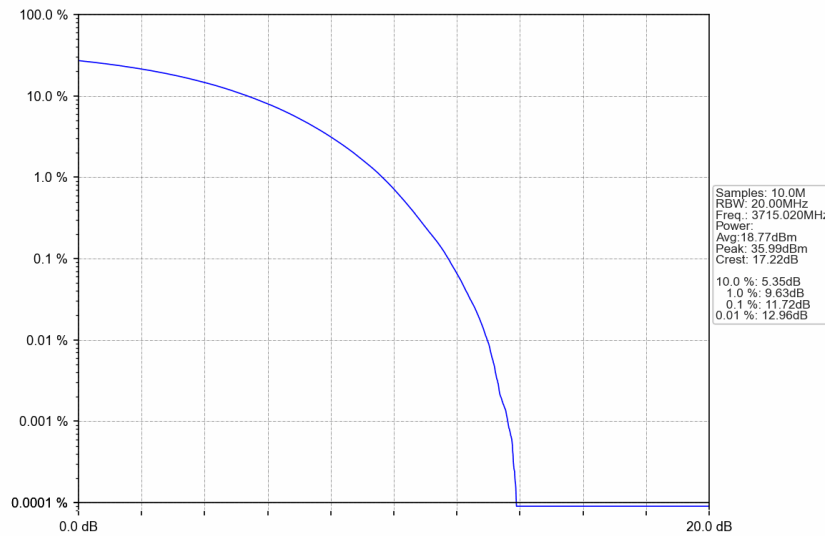
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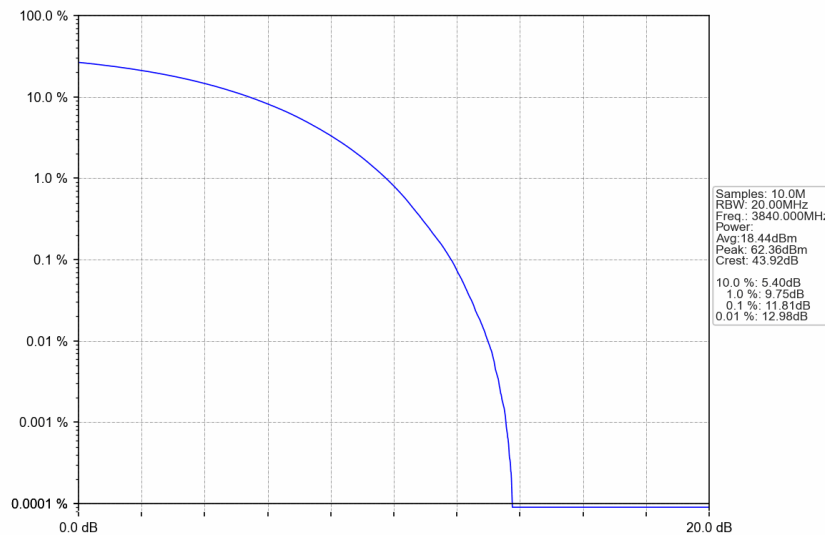
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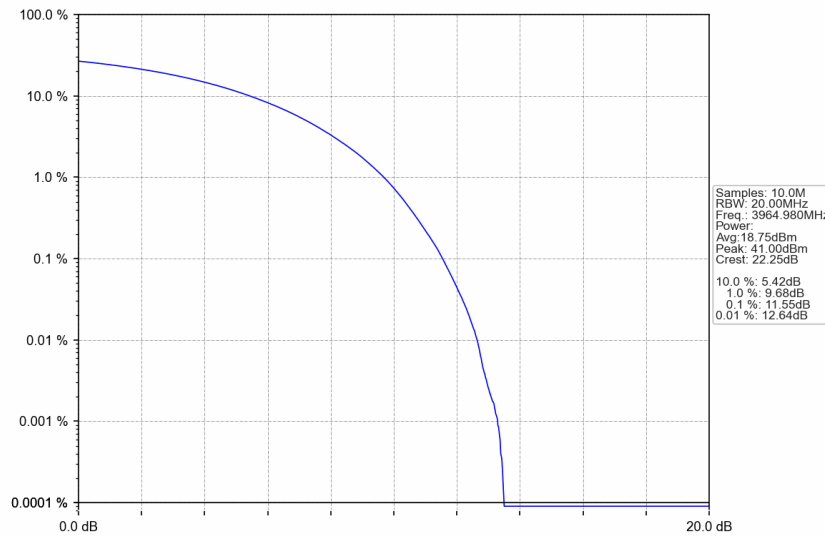
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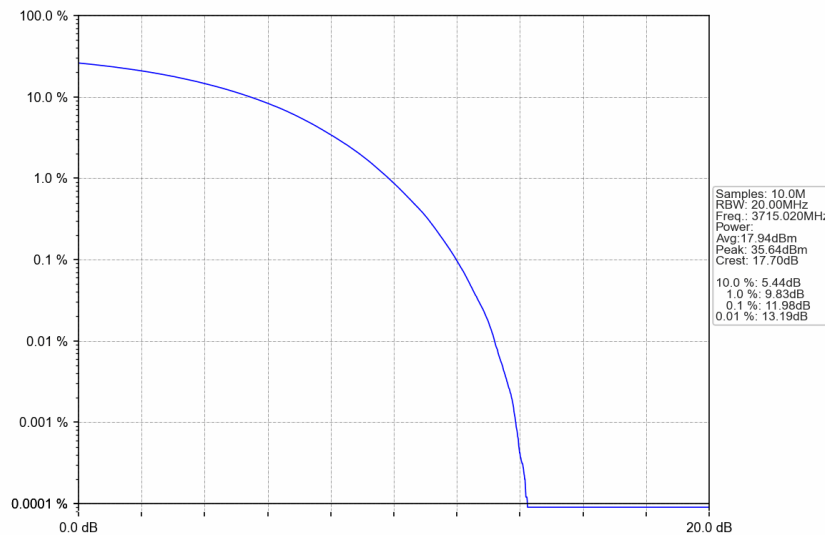
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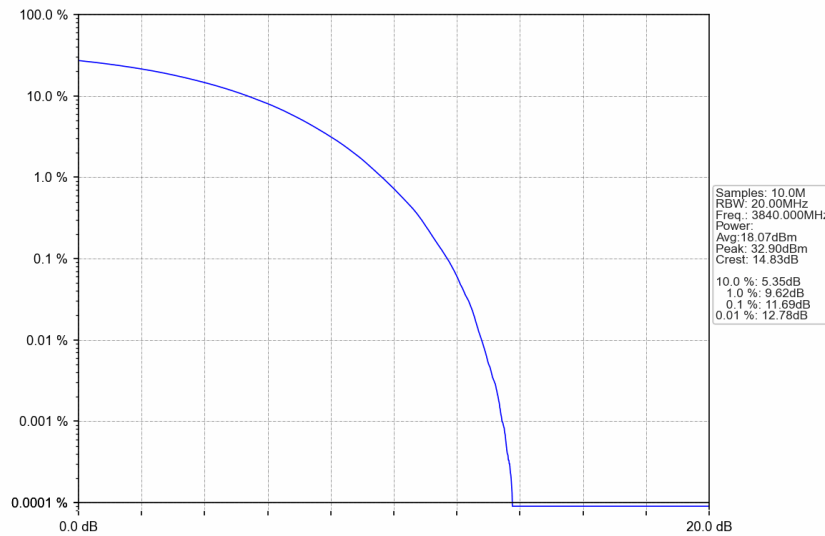
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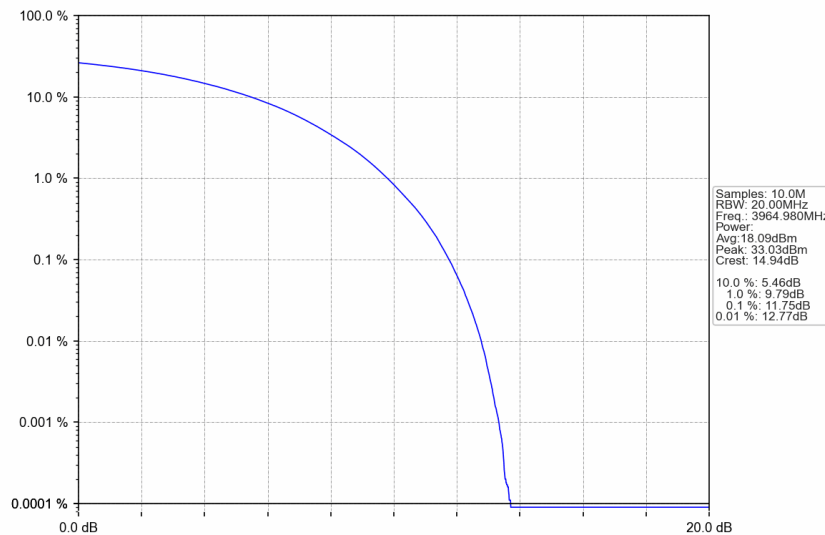
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n77a_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3964.98MHz_Outer_Full



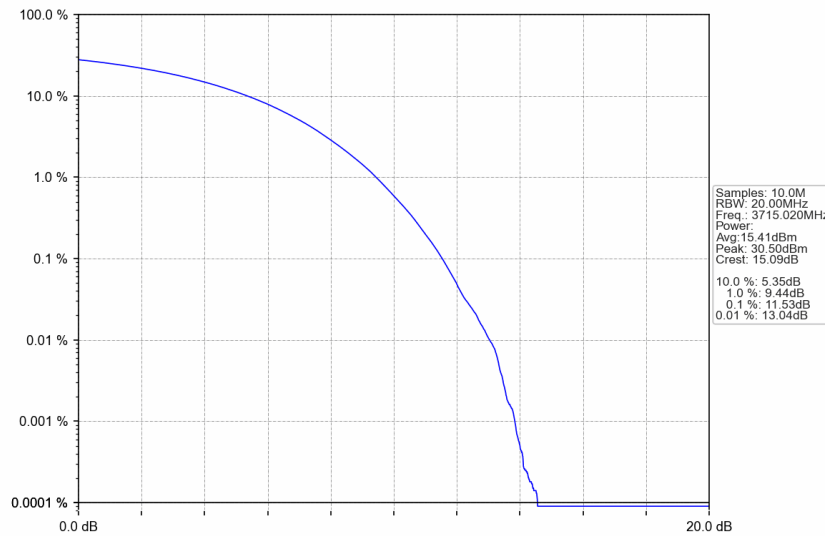
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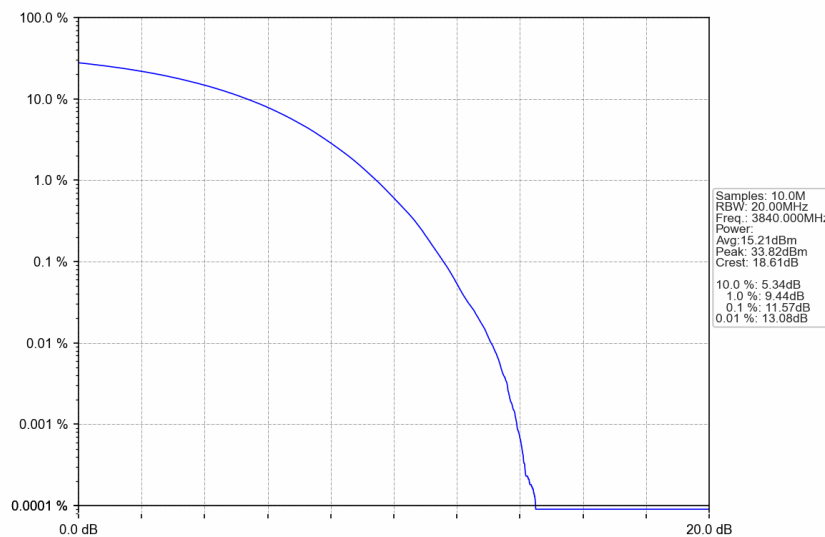
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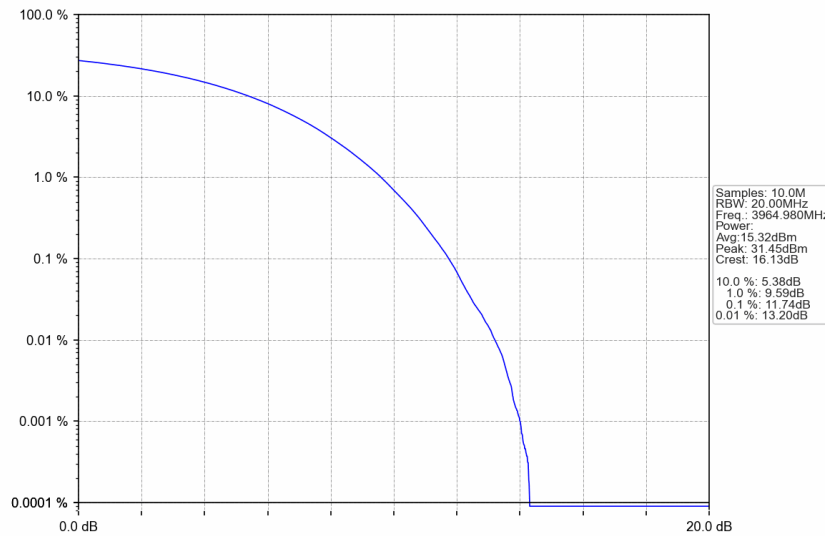


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5.13 30k_SISO_40MHz_NTNV

5.13.1 Test Result

5G NR n77a SCS=30kHz SISO 40MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3720	Outer_Full	12.79	/	/	<=13	Pass
	3840	Outer_Full	9.83	/	/	<=13	Pass
	3960	Outer_Full	7.91	/	/	<=13	Pass
DFT-s-OFDM QPSK	3720	Outer_Full	12.87	/	/	<=13	Pass
	3840	Outer_Full	9.85	/	/	<=13	Pass
	3960	Outer_Full	9.17	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3720	Outer_Full	10.07	/	/	<=13	Pass
	3840	Outer_Full	10.71	/	/	<=13	Pass
	3960	Outer_Full	10.36	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	12.86	/	/	<=13	Pass
	3840	Outer_Full	10.49	/	/	<=13	Pass
	3960	Outer_Full	10.15	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	12.81	/	/	<=13	Pass
	3840	Outer_Full	10.33	/	/	<=13	Pass
	3960	Outer_Full	10.05	/	/	<=13	Pass
CP-OFDM QPSK	3720	Outer_Full	11.89	/	/	<=13	Pass
	3840	Outer_Full	11.68	/	/	<=13	Pass
	3960	Outer_Full	11.84	/	/	<=13	Pass
CP-OFDM 16 QAM	3720	Outer_Full	11.91	/	/	<=13	Pass
	3840	Outer_Full	11.83	/	/	<=13	Pass
	3960	Outer_Full	11.73	/	/	<=13	Pass
CP-OFDM 64 QAM	3720	Outer_Full	11.99	/	/	<=13	Pass
	3840	Outer_Full	11.73	/	/	<=13	Pass
	3960	Outer_Full	11.74	/	/	<=13	Pass
CP-OFDM 256 QAM	3720	Outer_Full	11.55	/	/	<=13	Pass
	3840	Outer_Full	11.67	/	/	<=13	Pass
	3960	Outer_Full	11.70	/	/	<=13	Pass

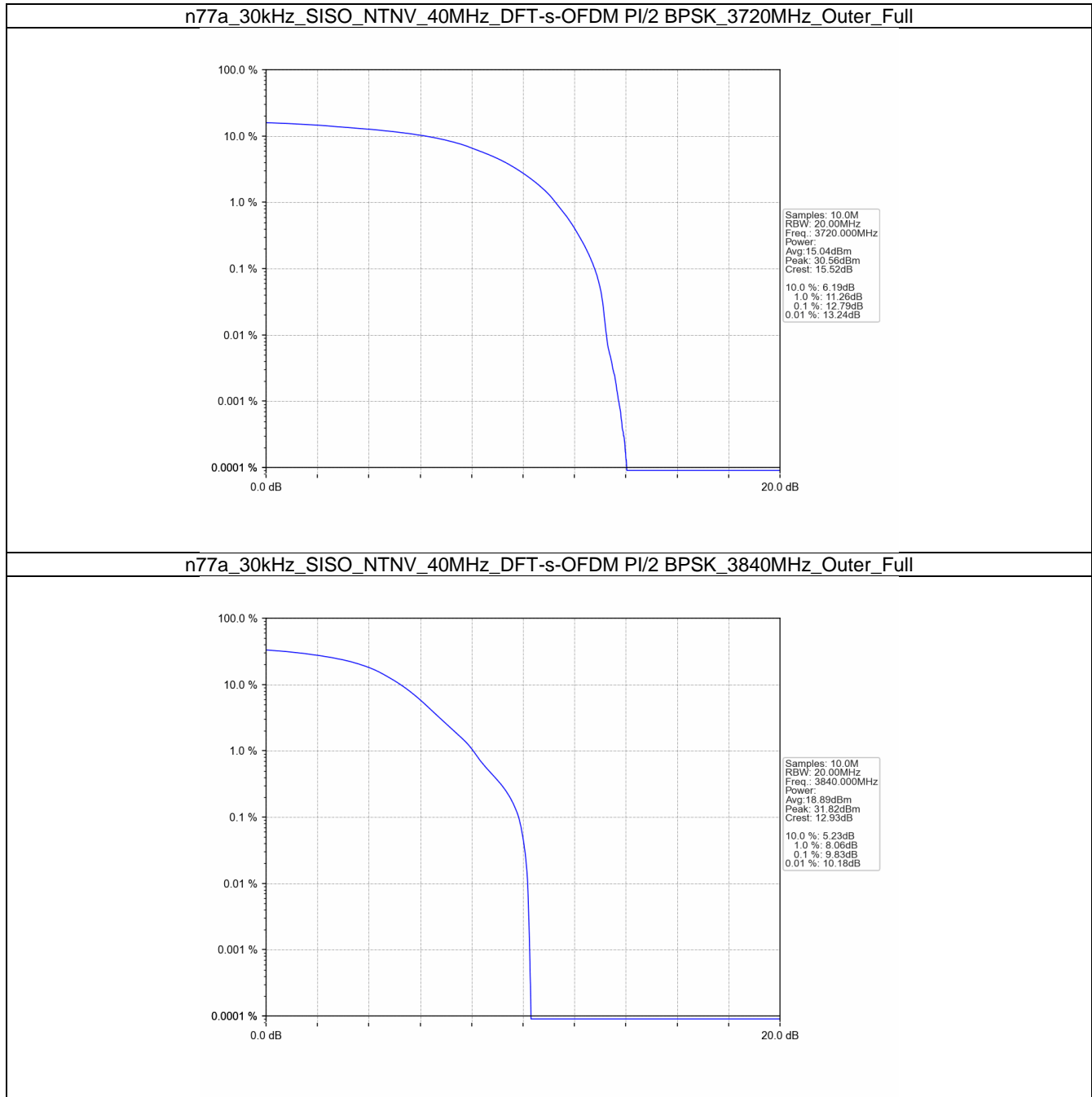


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5.13.2 Test Graph

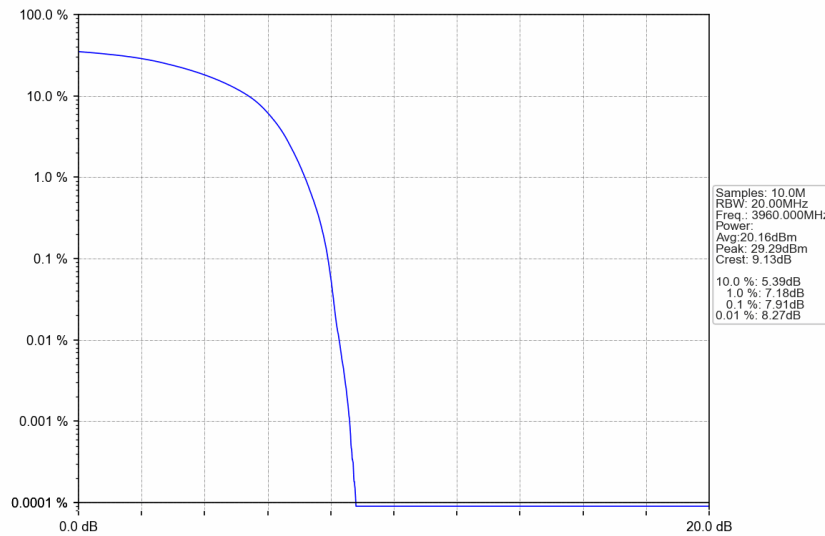


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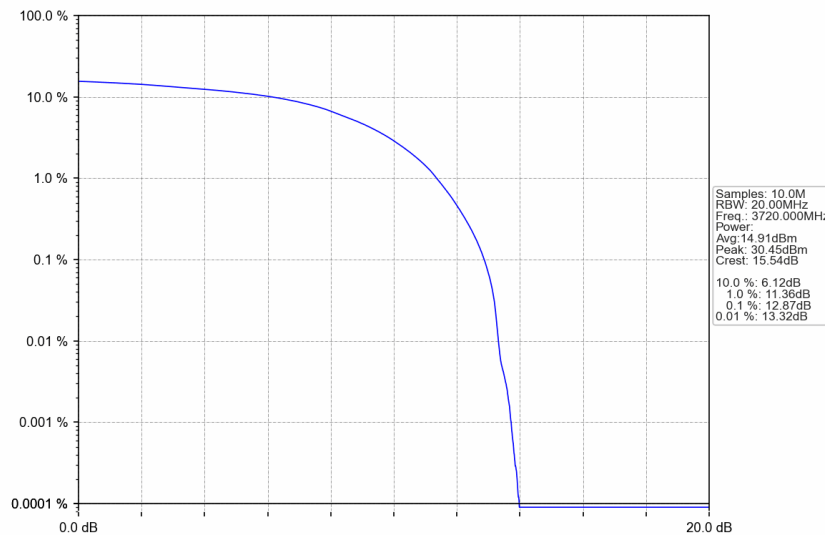
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n77a_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3720MHz_Outer_Full



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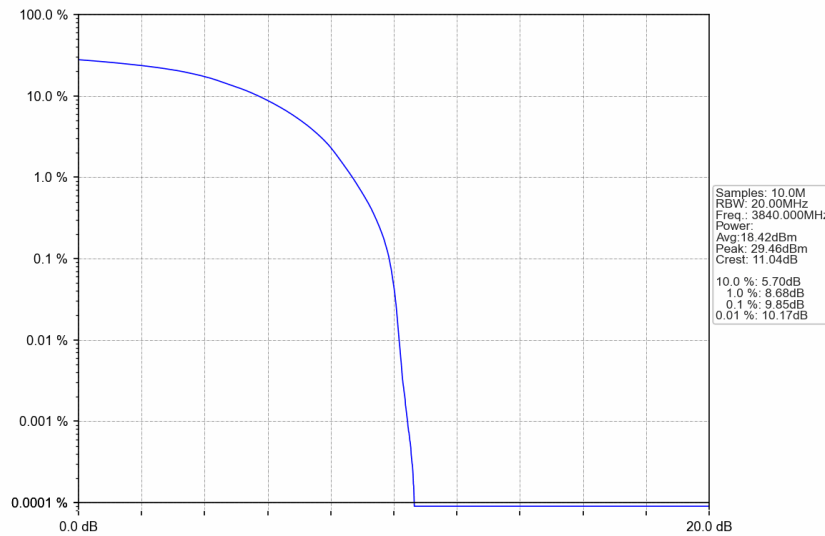
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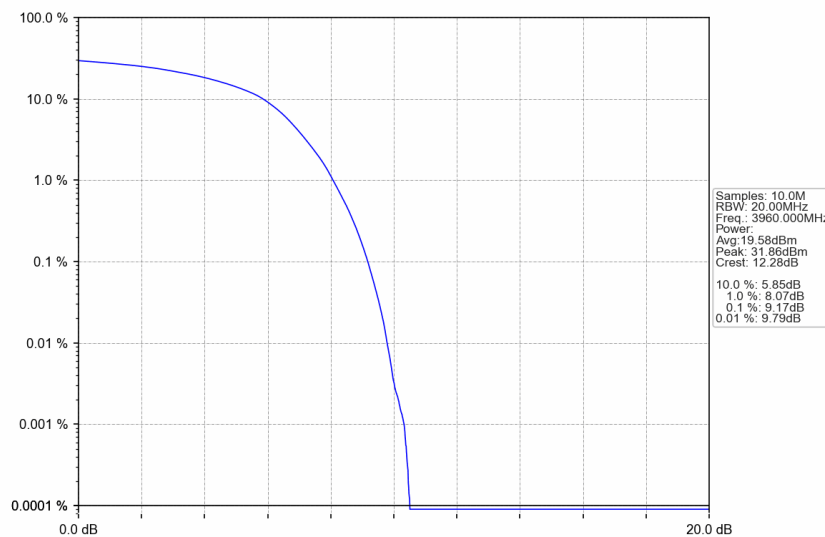
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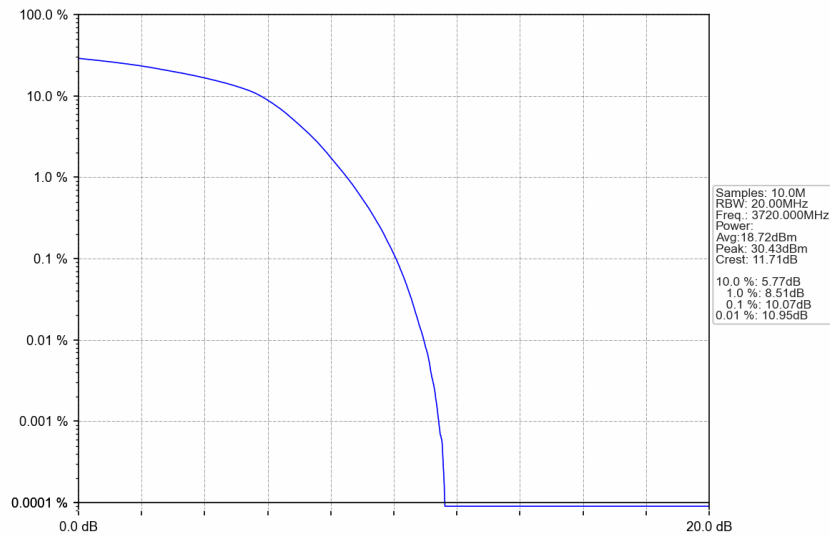
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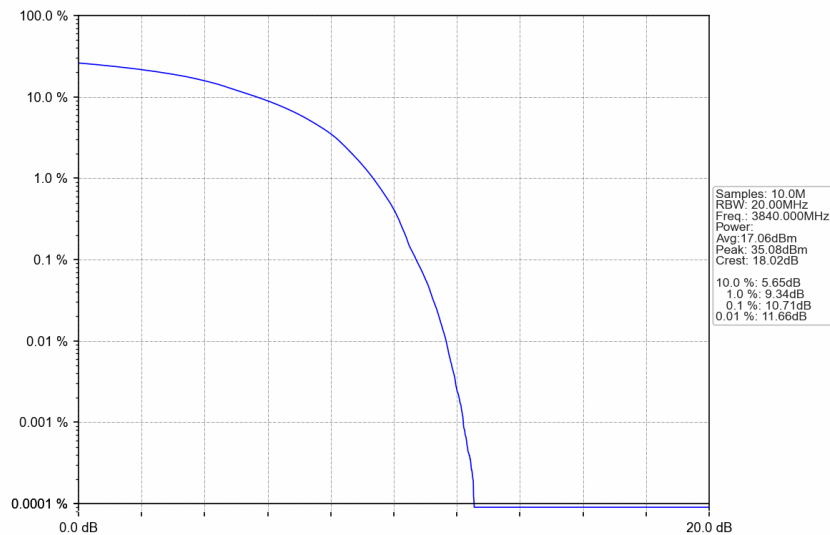
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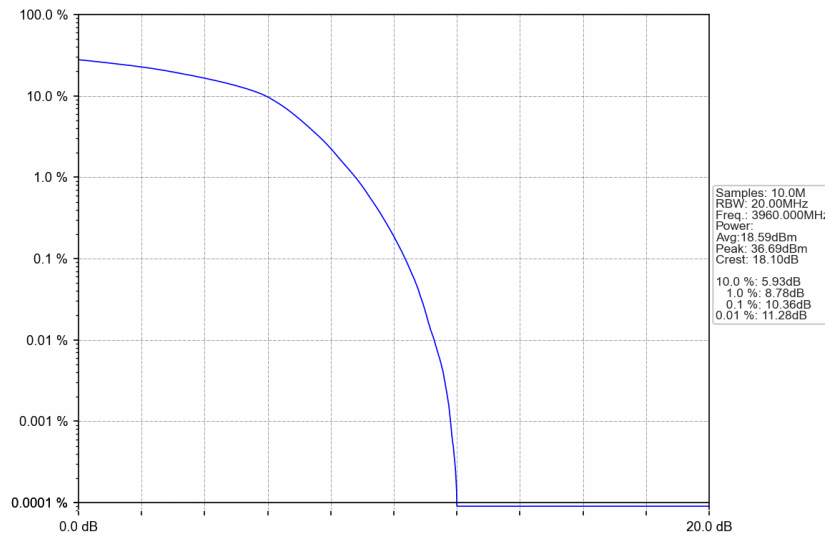


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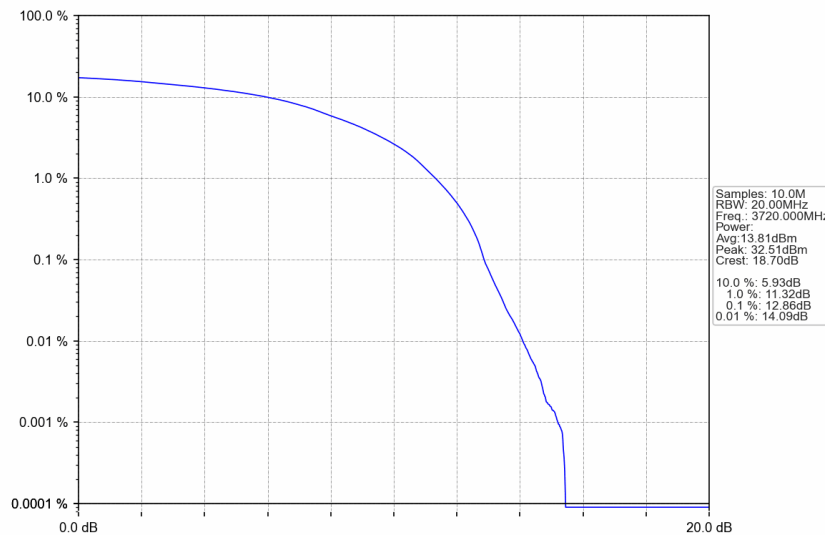
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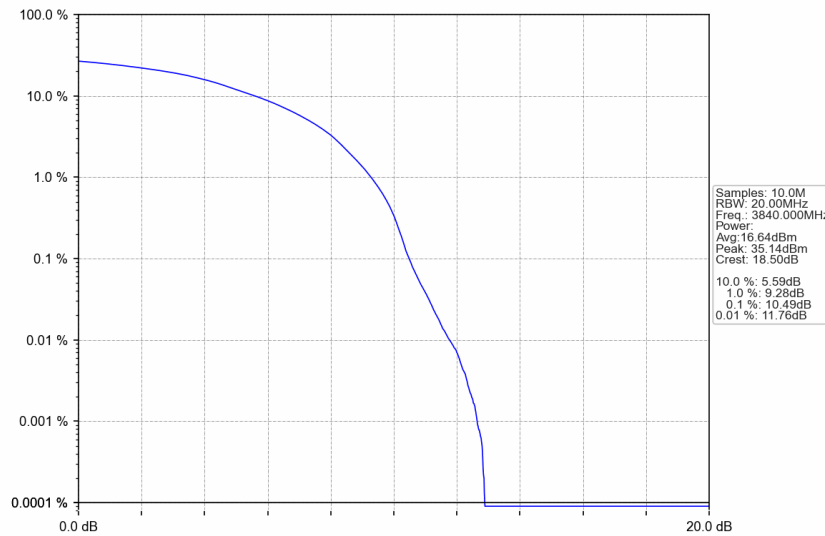
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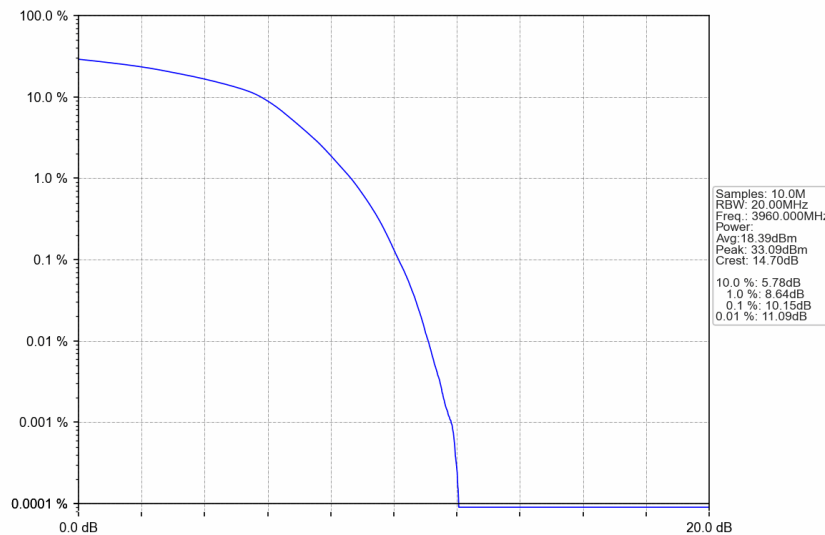
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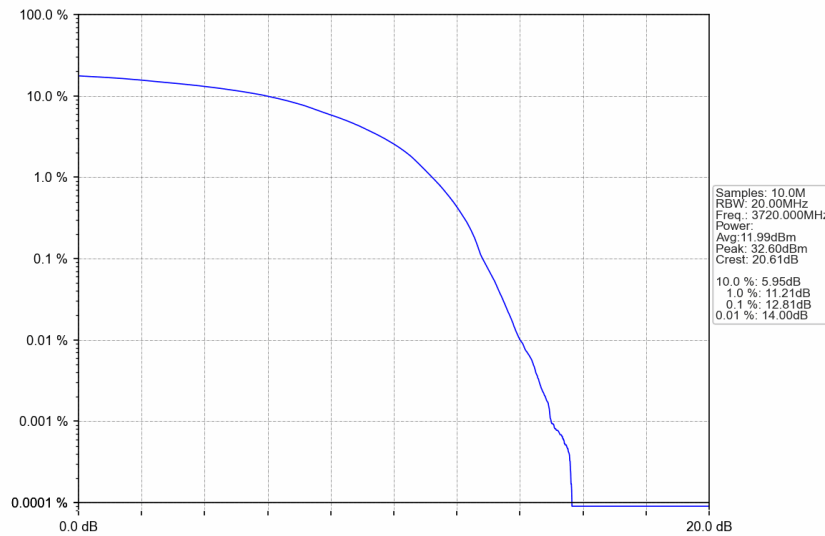
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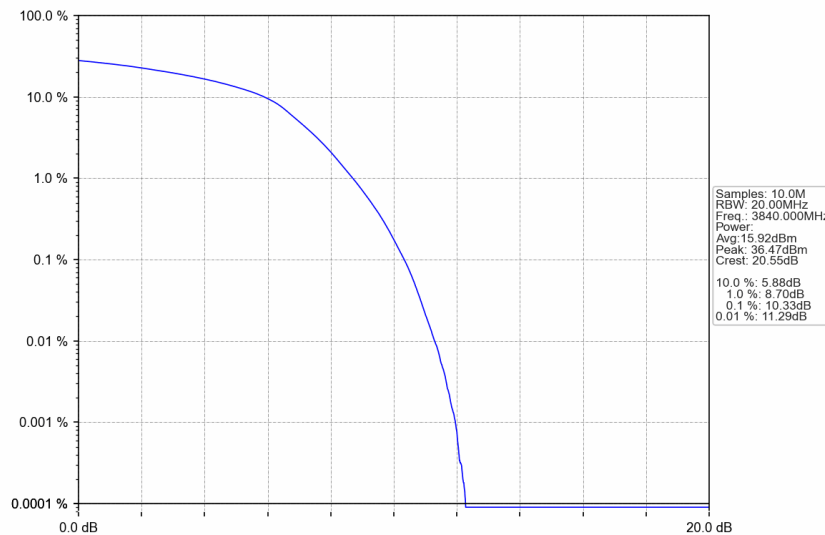
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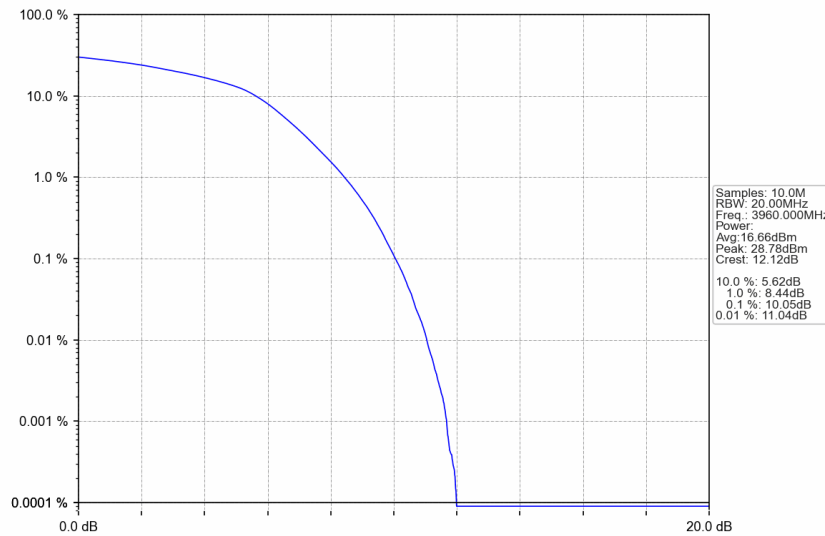
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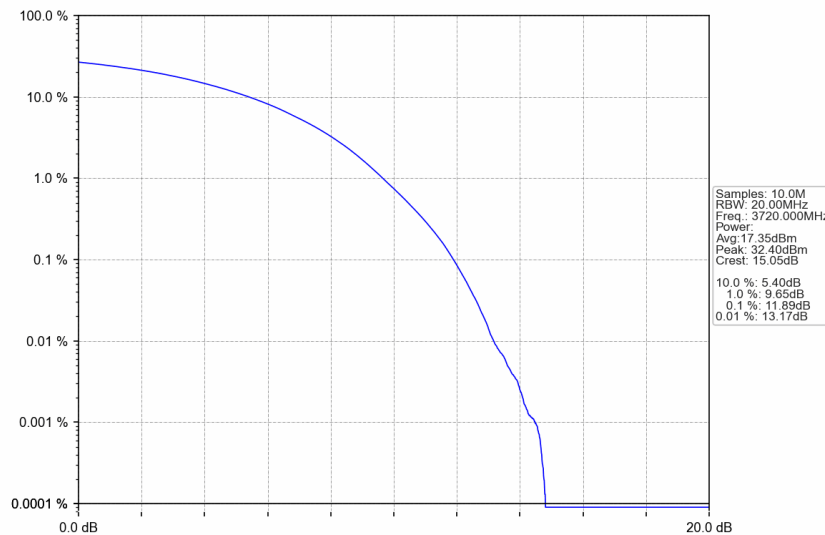
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n77a_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3960MHz_Outer_Full



n77a_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3720MHz_Outer_Full



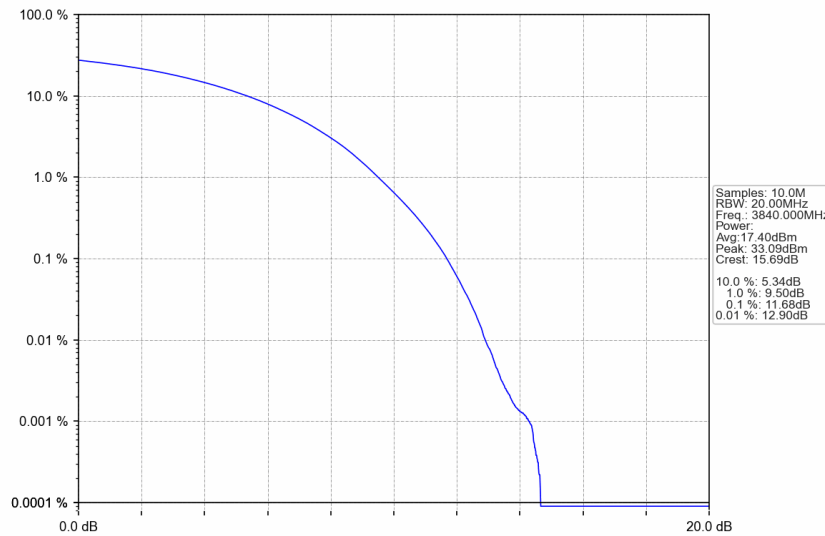
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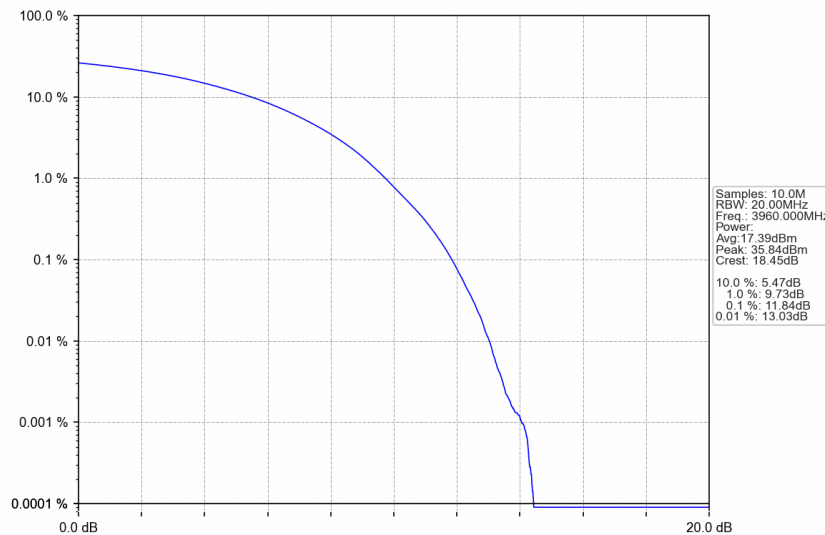
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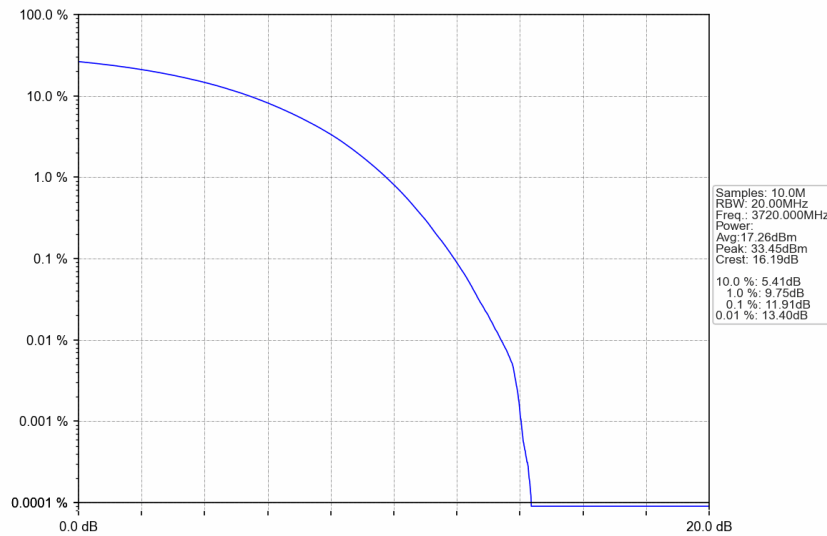


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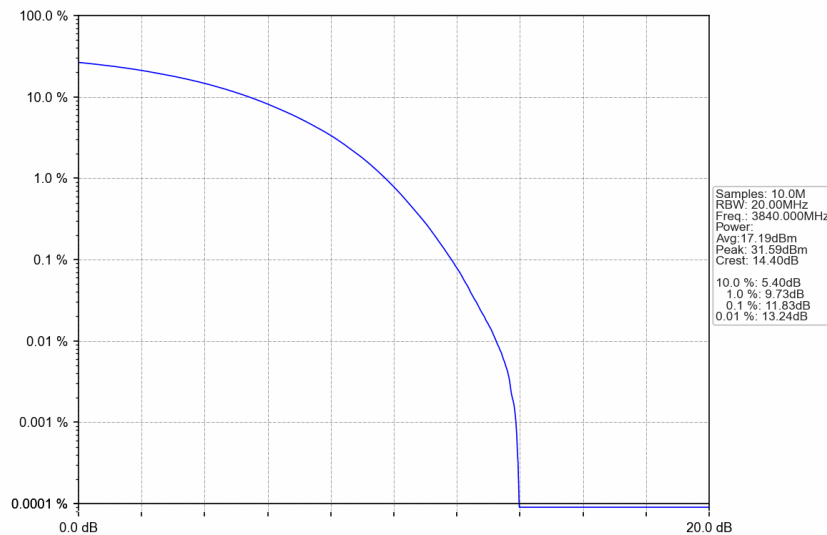
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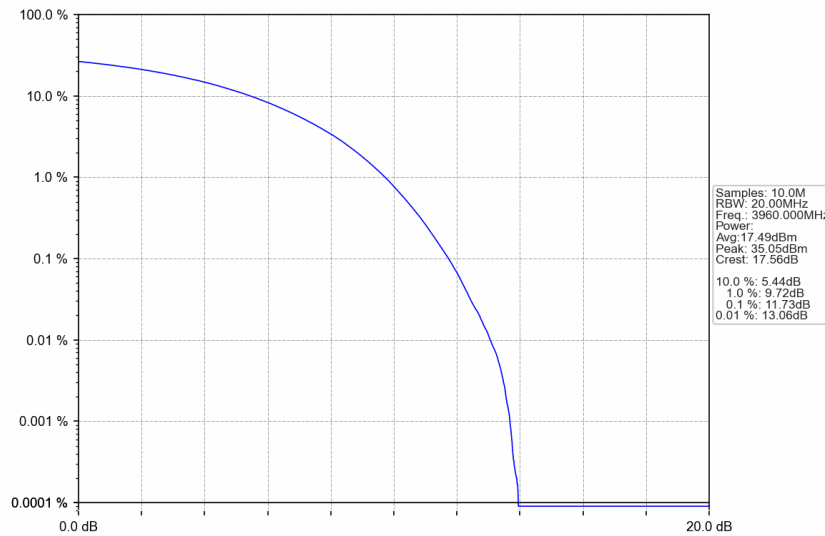


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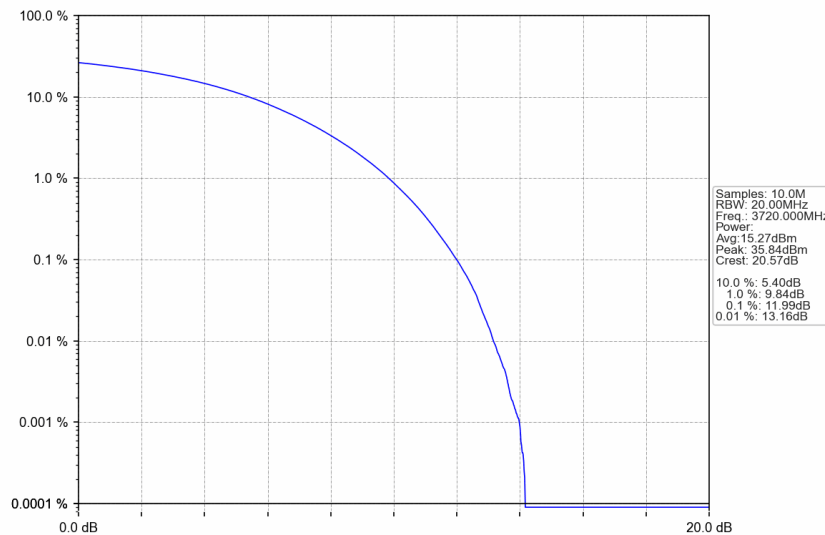
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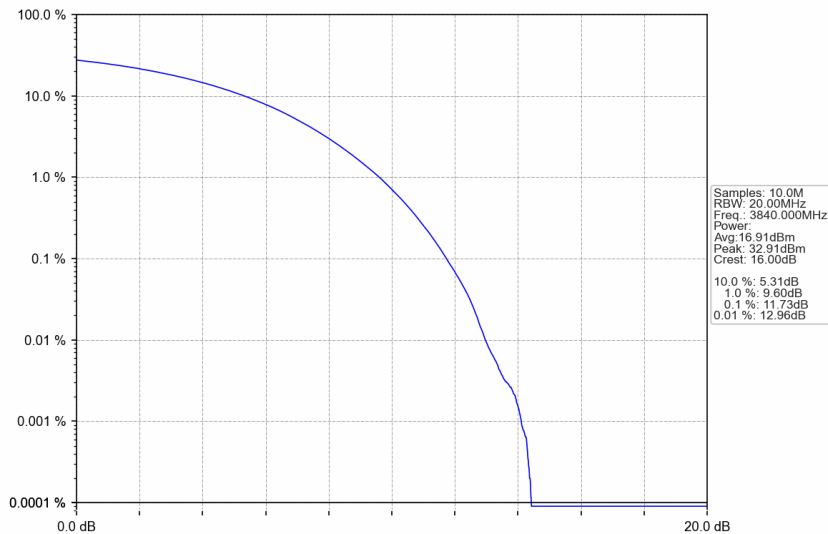
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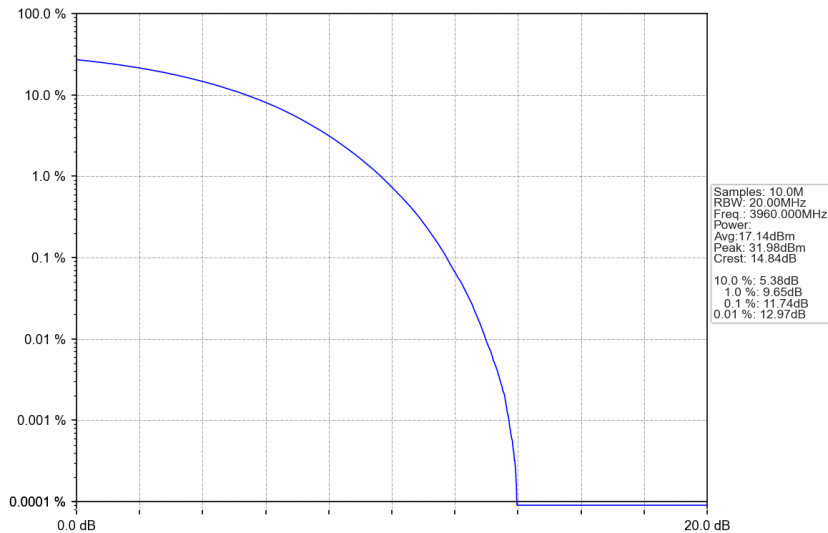
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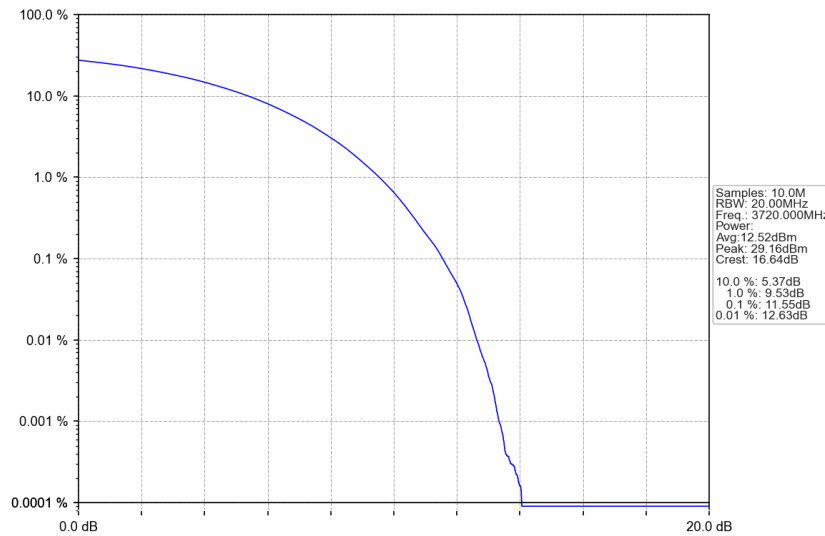
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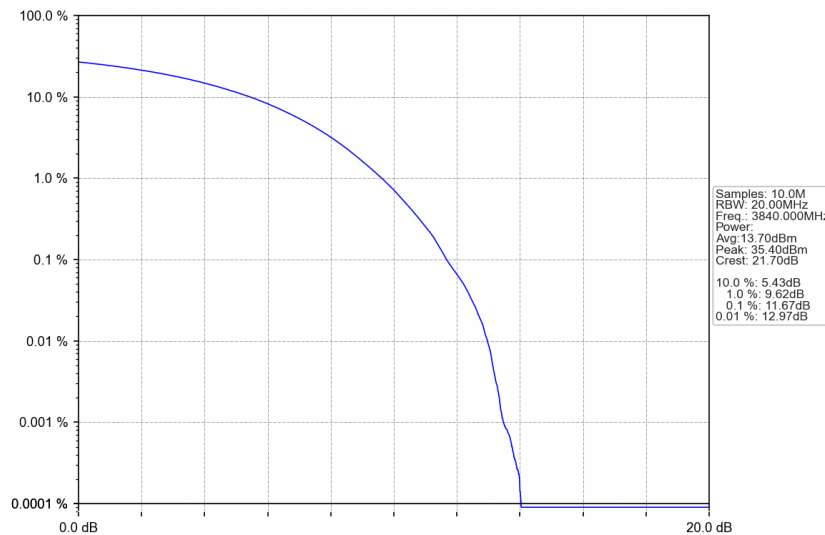
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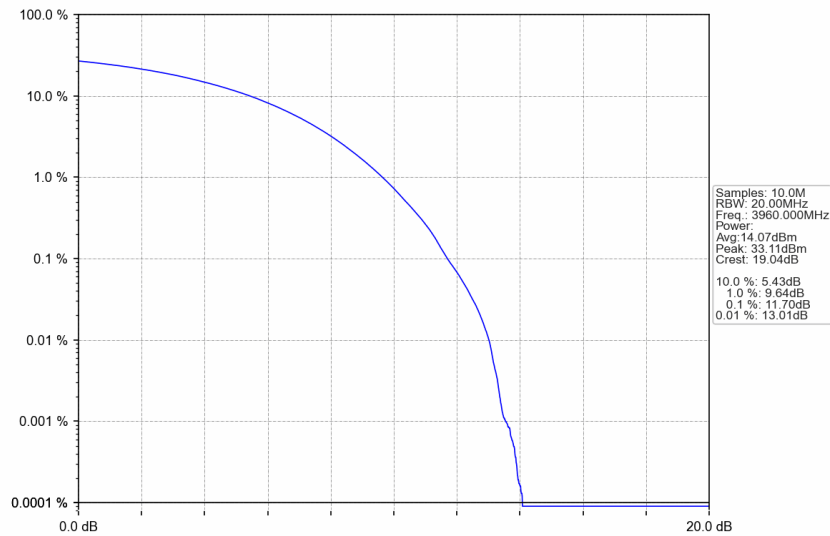


Report No.: SEWM2311000456RG02

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5.14 30k_SISO_50MHz_NTNV

5.14.1 Test Result

5G NR n77a SCS=30kHz SISO 50MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3725.01	Outer_Full	9.65	/	/	<=13	Pass
	3840	Outer_Full	8.48	/	/	<=13	Pass
	3954.99	Outer_Full	8.69	/	/	<=13	Pass
DFT-s-OFDM QPSK	3725.01	Outer_Full	9.55	/	/	<=13	Pass
	3840	Outer_Full	9.43	/	/	<=13	Pass
	3954.99	Outer_Full	9.68	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3725.01	Outer_Full	10.72	/	/	<=13	Pass
	3840	Outer_Full	10.48	/	/	<=13	Pass
	3954.99	Outer_Full	10.79	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3725.01	Outer_Full	10.49	/	/	<=13	Pass
	3840	Outer_Full	10.51	/	/	<=13	Pass
	3954.99	Outer_Full	10.25	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	10.82	/	/	<=13	Pass
	3840	Outer_Full	10.03	/	/	<=13	Pass
	3954.99	Outer_Full	10.45	/	/	<=13	Pass
CP-OFDM QPSK	3725.01	Outer_Full	11.67	/	/	<=13	Pass
	3840	Outer_Full	11.66	/	/	<=13	Pass
	3954.99	Outer_Full	11.82	/	/	<=13	Pass
CP-OFDM 16 QAM	3725.01	Outer_Full	11.79	/	/	<=13	Pass
	3840	Outer_Full	11.74	/	/	<=13	Pass
	3954.99	Outer_Full	11.38	/	/	<=13	Pass
CP-OFDM 64 QAM	3725.01	Outer_Full	11.65	/	/	<=13	Pass
	3840	Outer_Full	11.86	/	/	<=13	Pass
	3954.99	Outer_Full	11.60	/	/	<=13	Pass
CP-OFDM 256 QAM	3725.01	Outer_Full	11.77	/	/	<=13	Pass
	3840	Outer_Full	11.72	/	/	<=13	Pass
	3954.99	Outer_Full	11.79	/	/	<=13	Pass

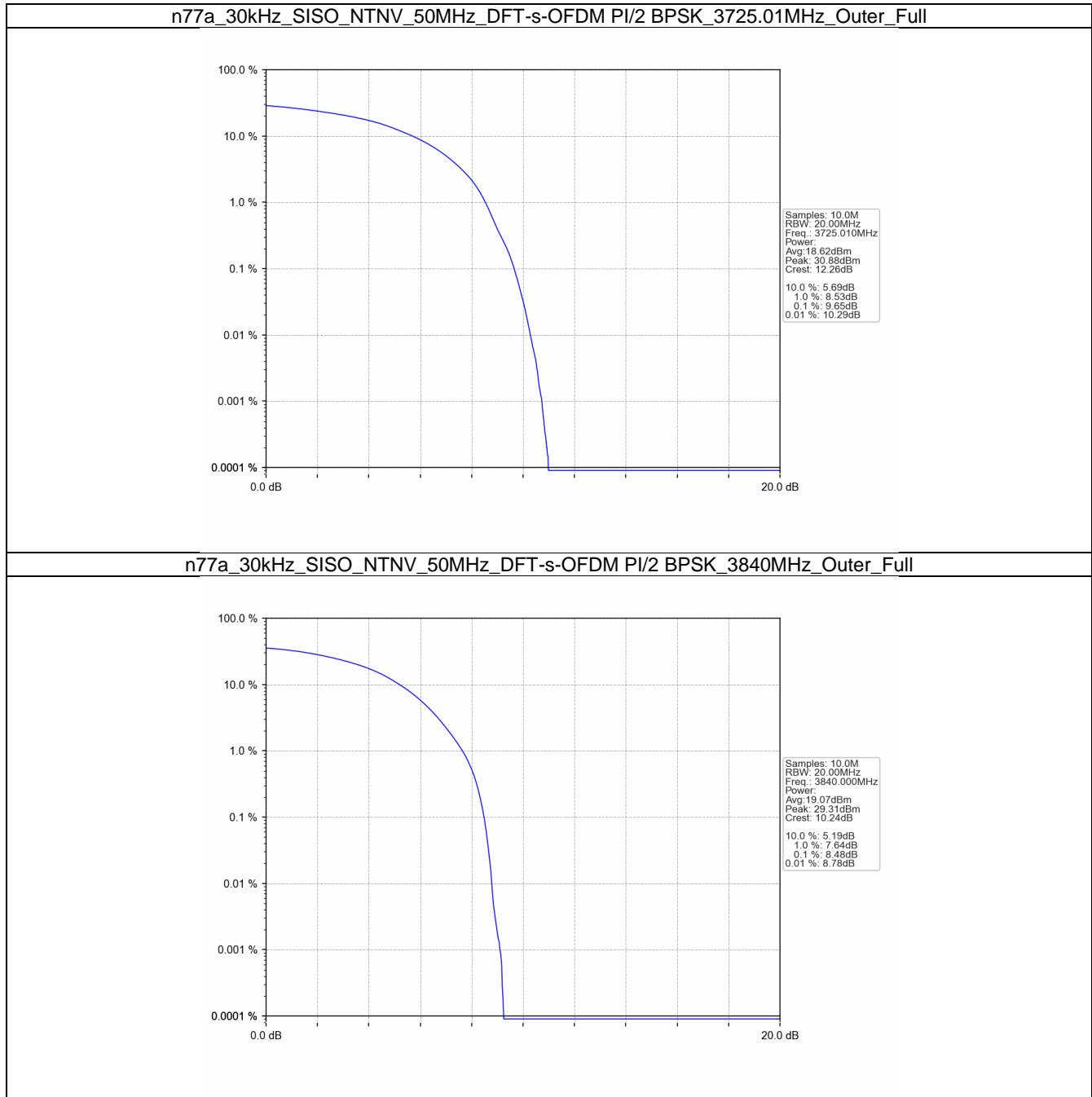


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5.14.2 Test Graph



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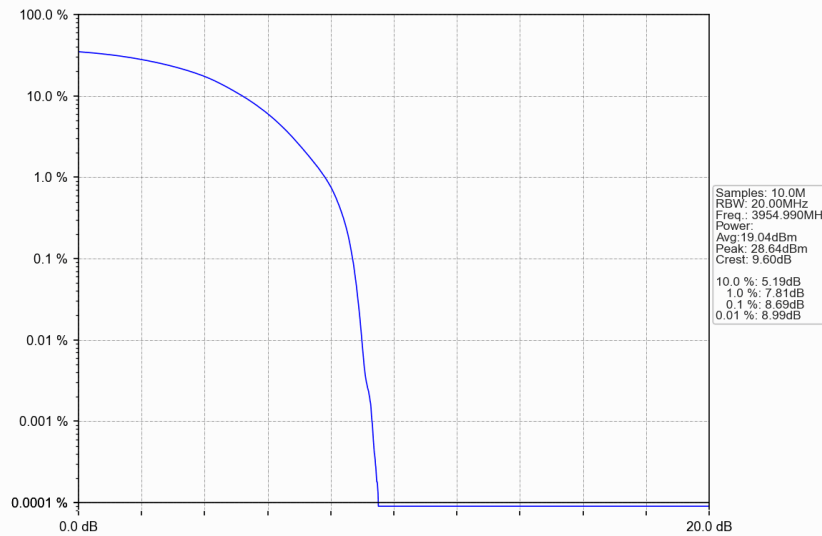


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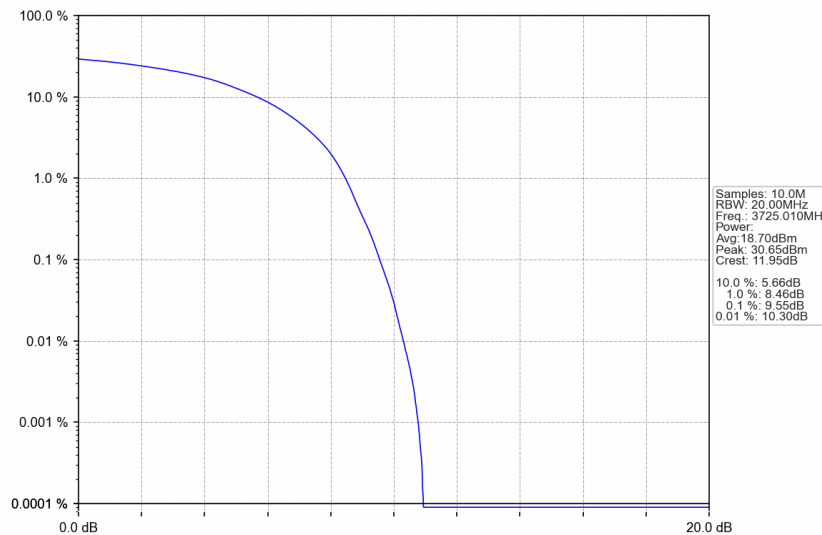
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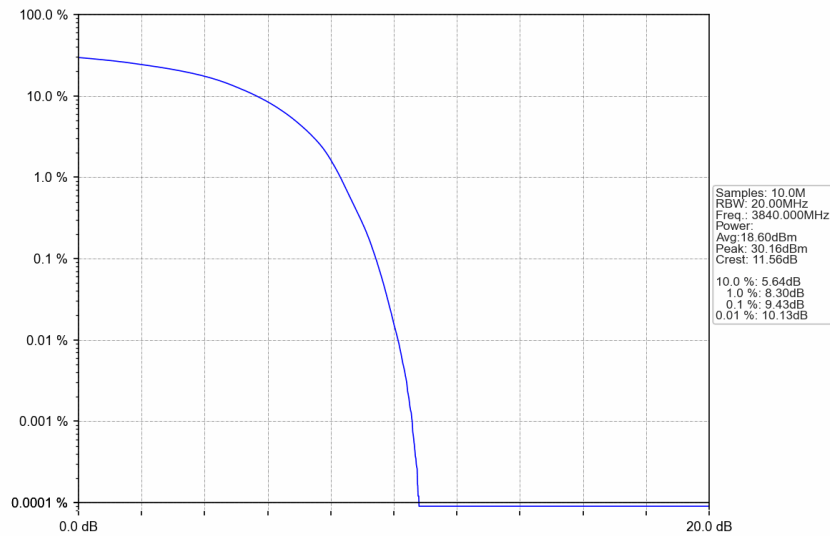
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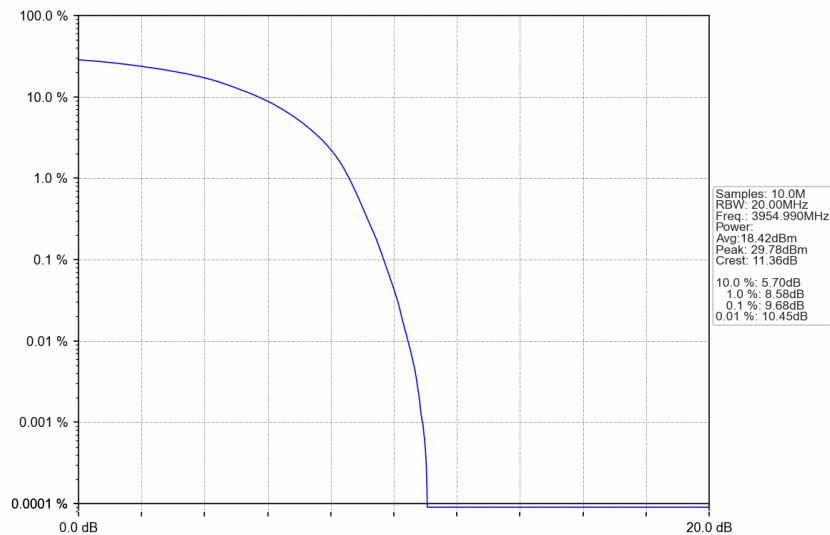
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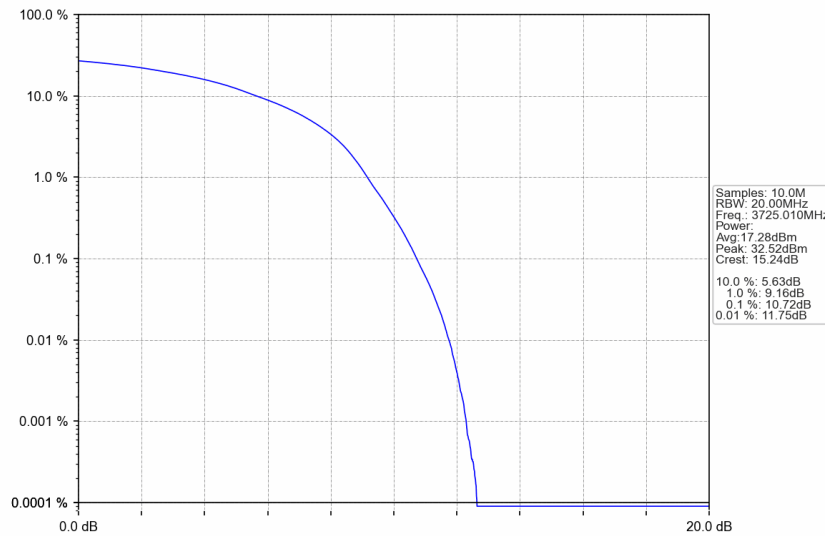


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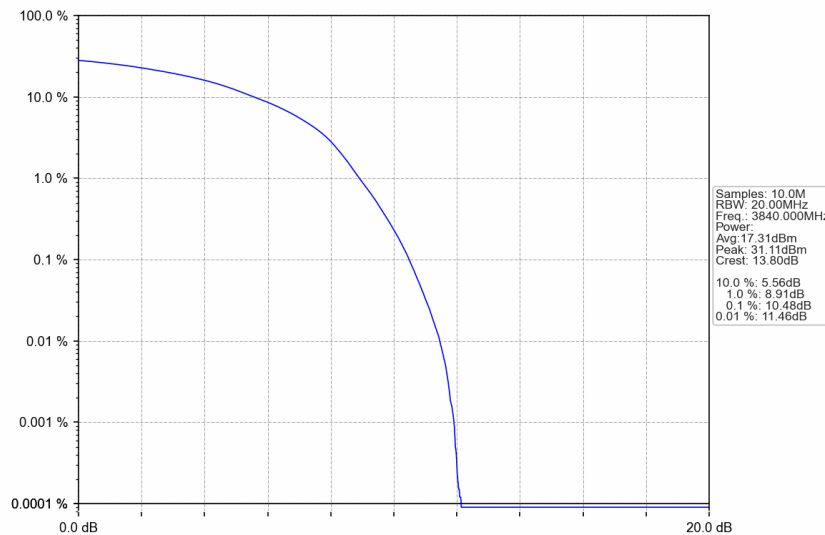
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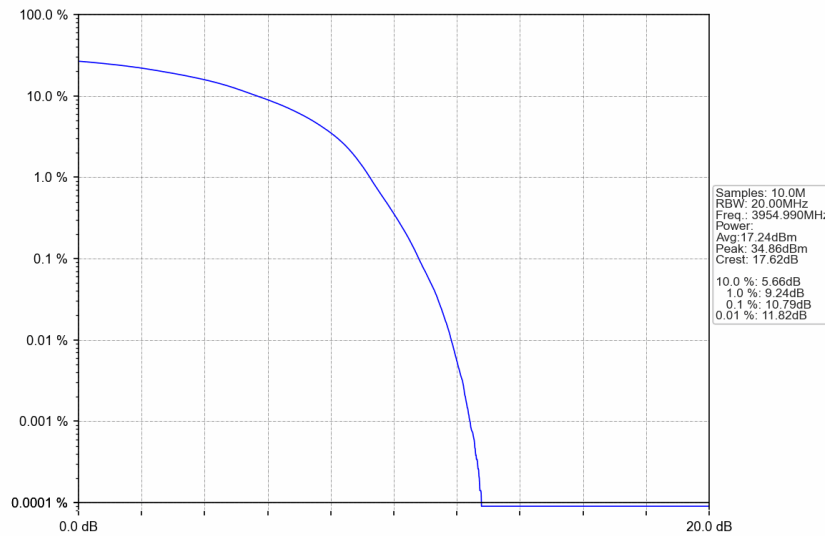


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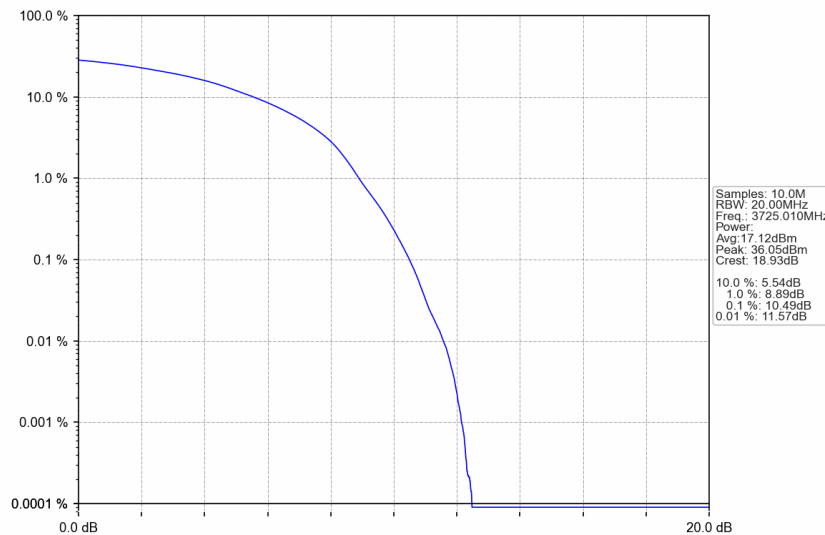
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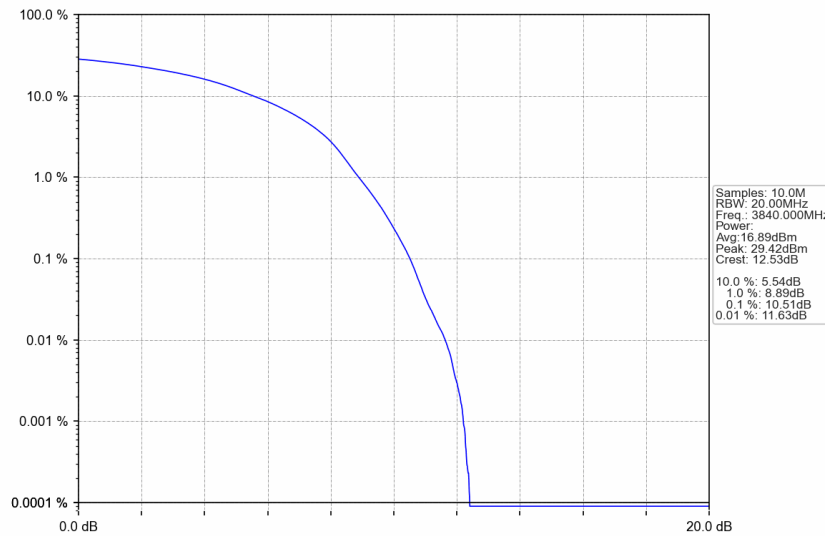
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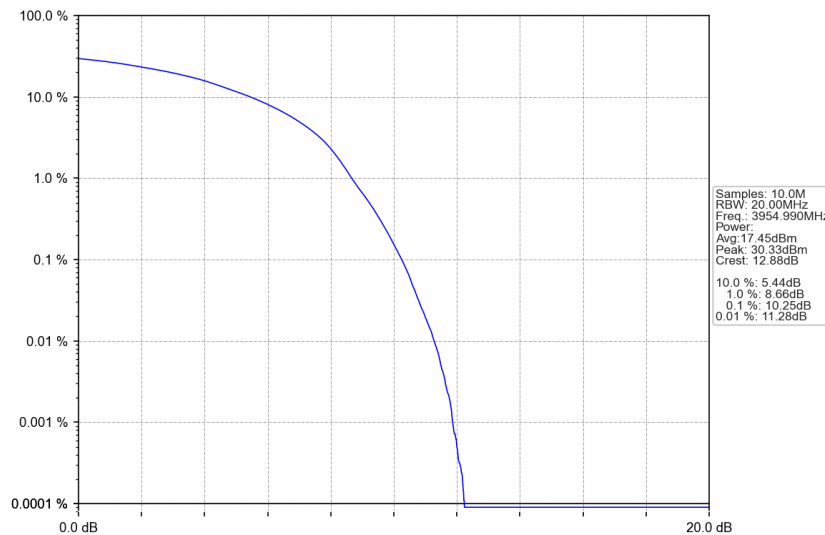
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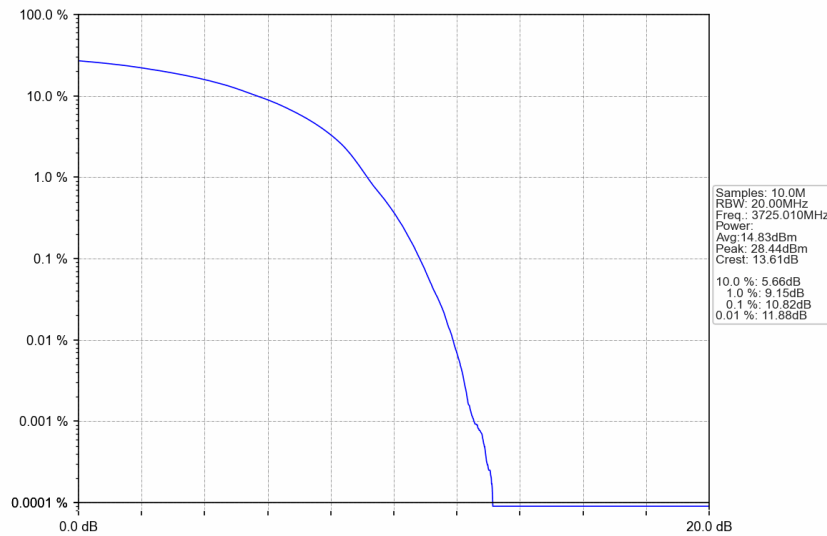
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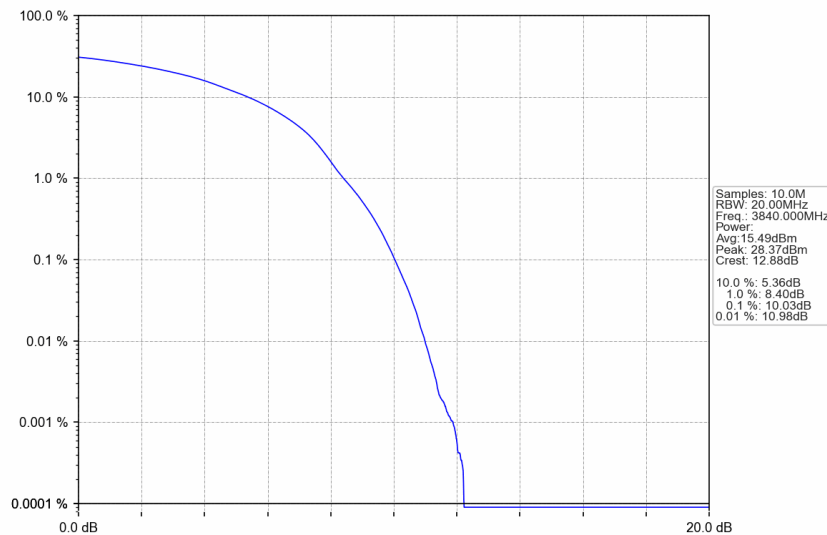
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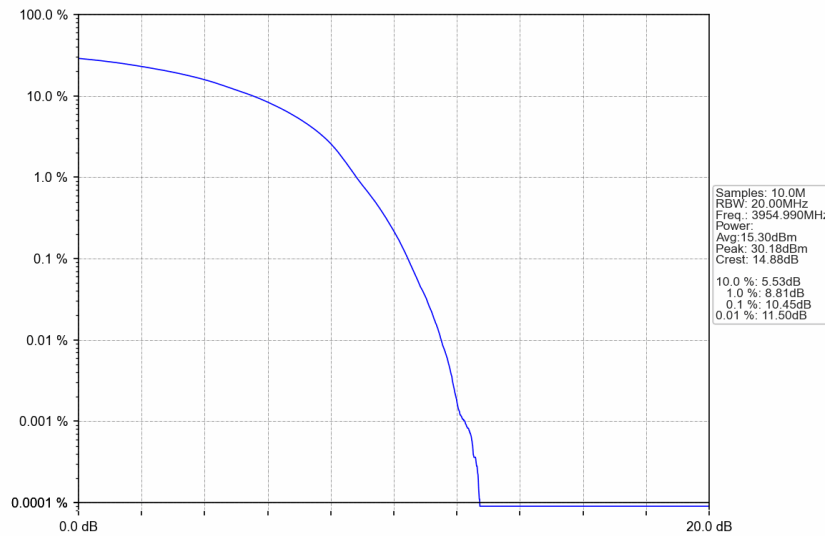
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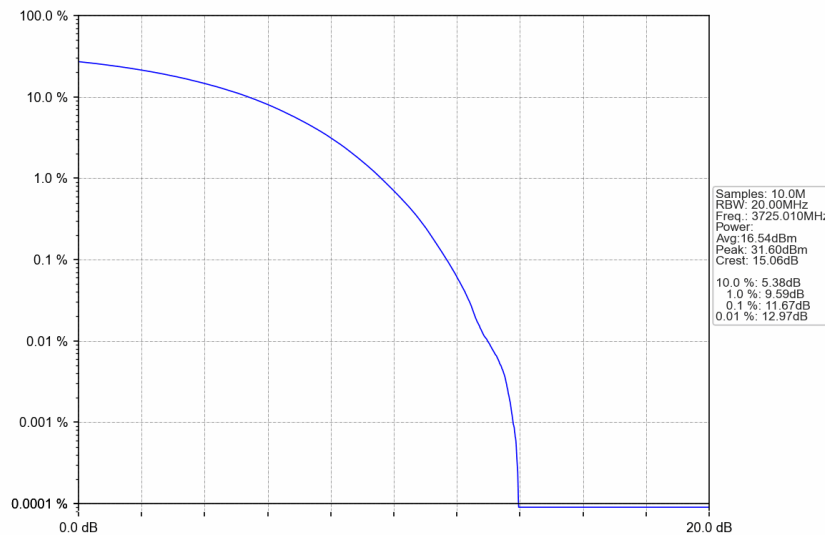
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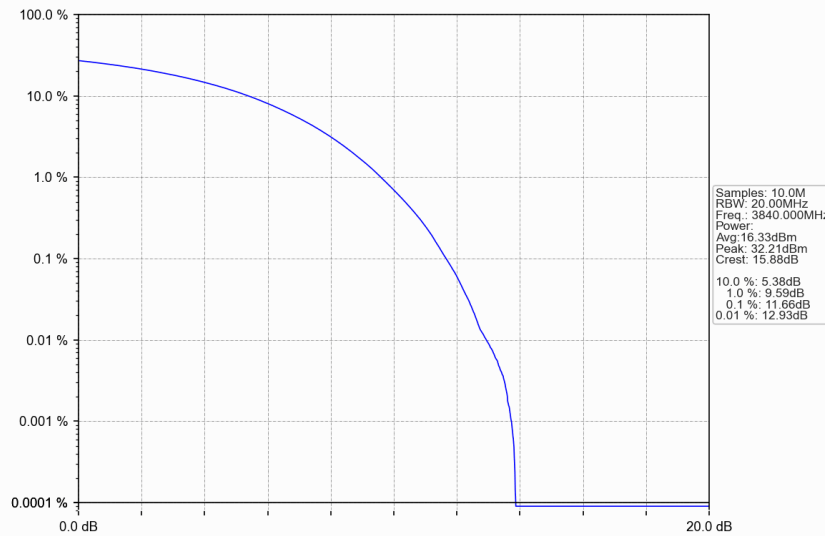
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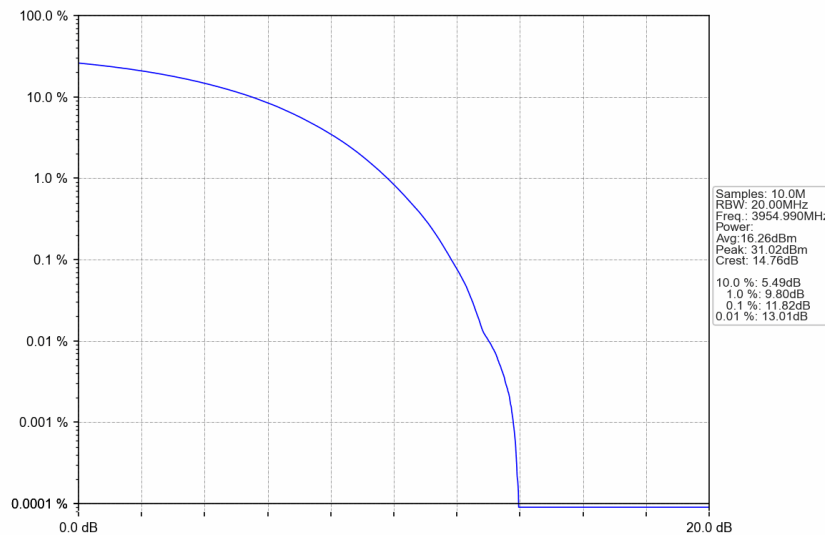
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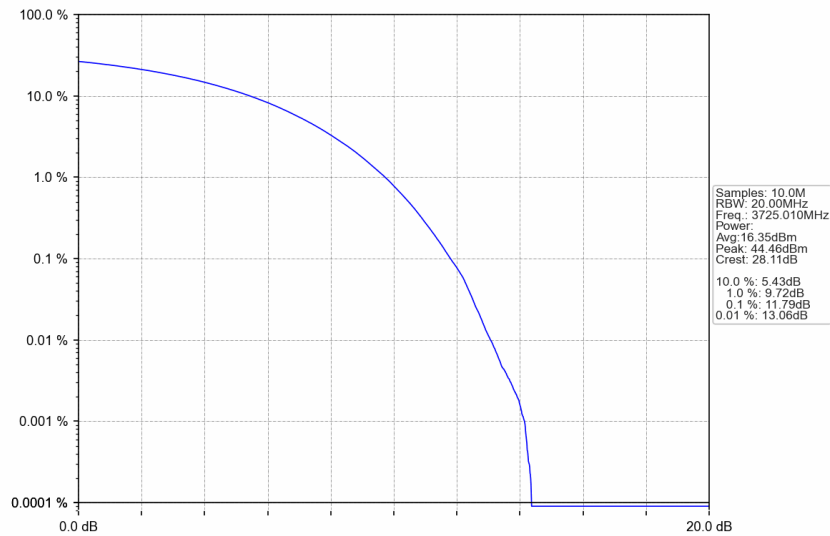
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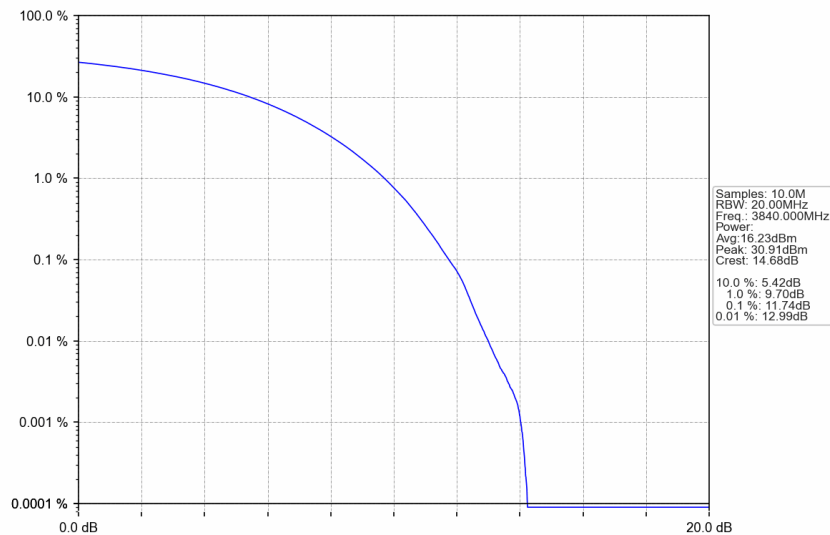
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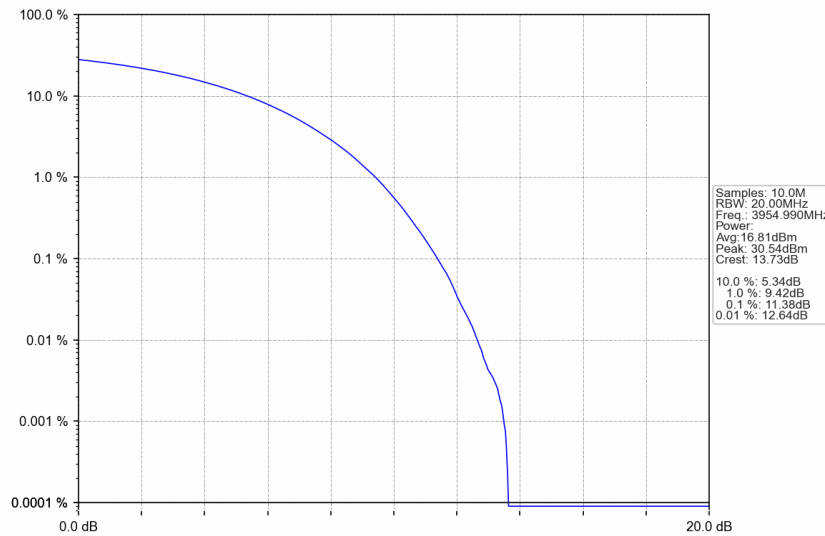
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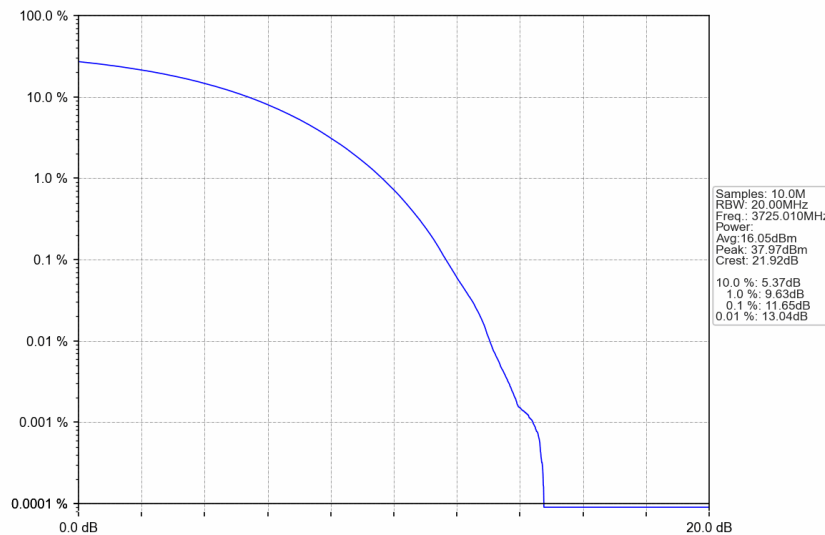
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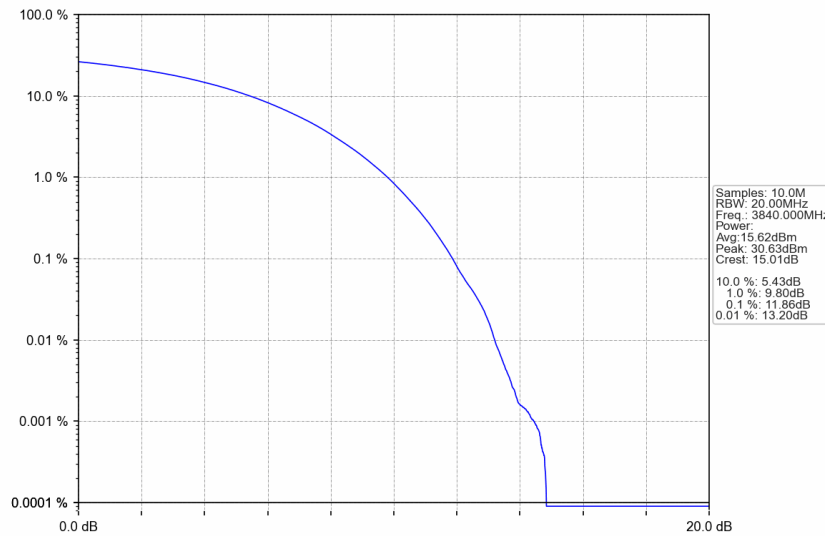


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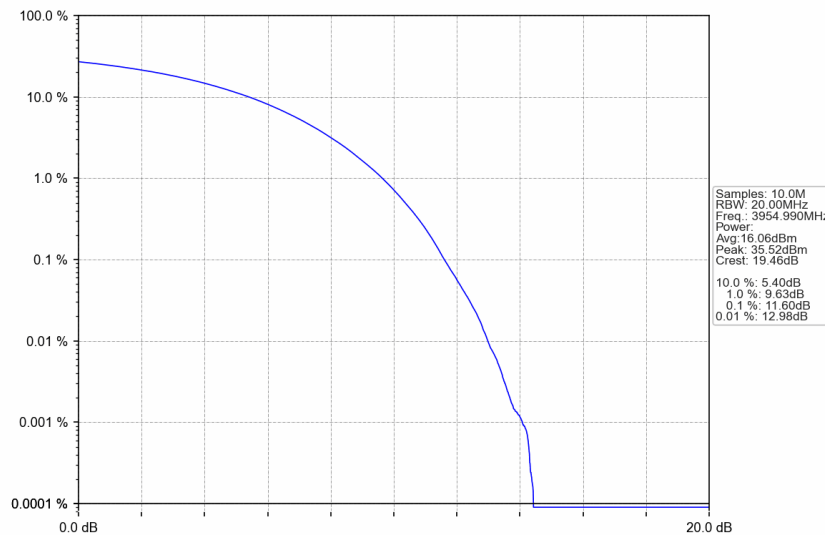
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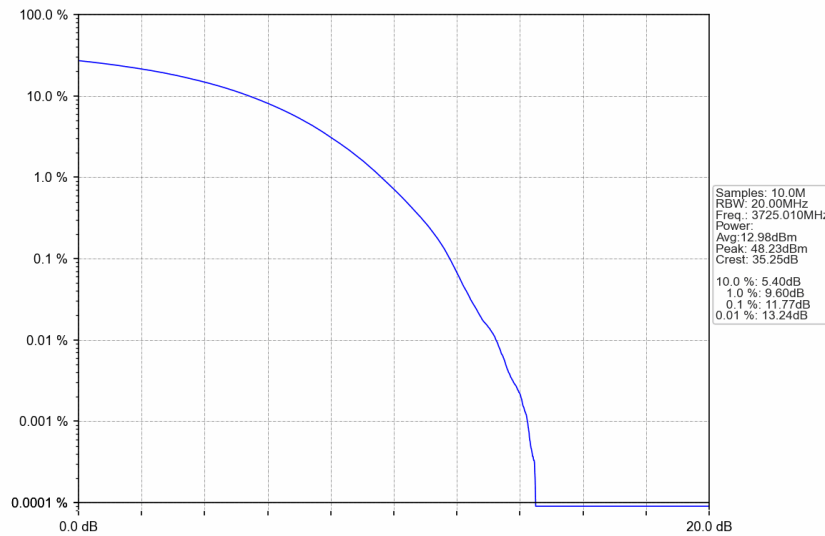
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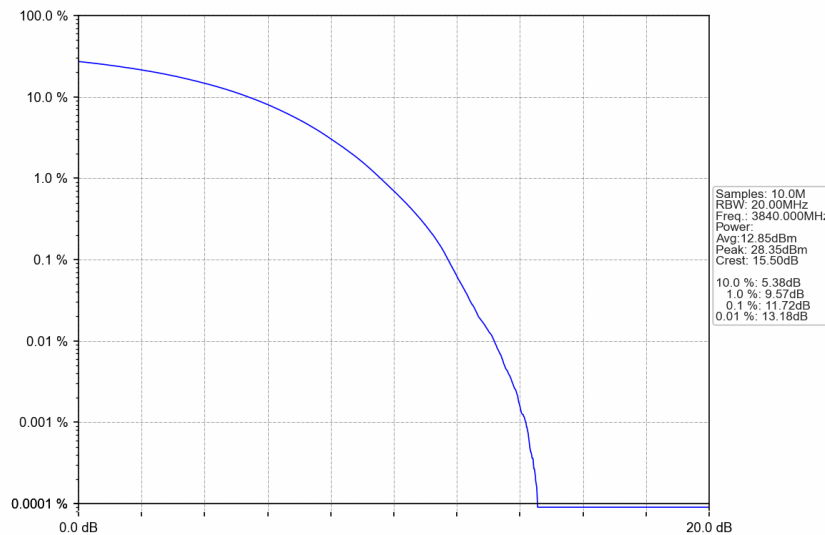
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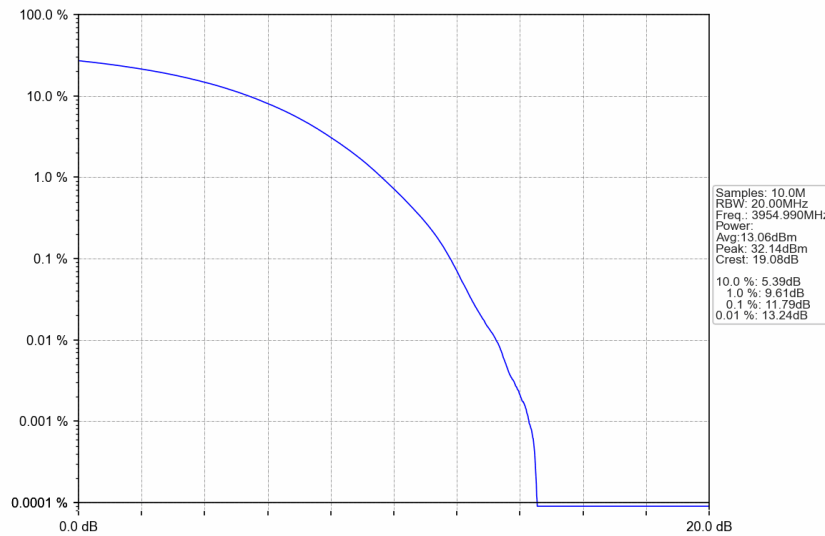


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5.15 30k_SISO_60MHz_NTNV

5.15.1 Test Result

5G NR n77a SCS=30kHz SISO 60MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3730.02	Outer_Full	10.00	/	/	<=13	Pass
	3840	Outer_Full	9.89	/	/	<=13	Pass
	3949.98	Outer_Full	9.79	/	/	<=13	Pass
DFT-s-OFDM QPSK	3730.02	Outer_Full	9.98	/	/	<=13	Pass
	3840	Outer_Full	10.17	/	/	<=13	Pass
	3949.98	Outer_Full	10.06	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3730.02	Outer_Full	10.69	/	/	<=13	Pass
	3840	Outer_Full	10.40	/	/	<=13	Pass
	3949.98	Outer_Full	10.93	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3730.02	Outer_Full	10.46	/	/	<=13	Pass
	3840	Outer_Full	10.51	/	/	<=13	Pass
	3949.98	Outer_Full	10.64	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3730.02	Outer_Full	10.88	/	/	<=13	Pass
	3840	Outer_Full	10.87	/	/	<=13	Pass
	3949.98	Outer_Full	10.80	/	/	<=13	Pass
CP-OFDM QPSK	3730.02	Outer_Full	11.83	/	/	<=13	Pass
	3840	Outer_Full	11.76	/	/	<=13	Pass
	3949.98	Outer_Full	11.50	/	/	<=13	Pass
CP-OFDM 16 QAM	3730.02	Outer_Full	11.70	/	/	<=13	Pass
	3840	Outer_Full	11.82	/	/	<=13	Pass
	3949.98	Outer_Full	11.69	/	/	<=13	Pass
CP-OFDM 64 QAM	3730.02	Outer_Full	11.81	/	/	<=13	Pass
	3840	Outer_Full	11.70	/	/	<=13	Pass
	3949.98	Outer_Full	11.78	/	/	<=13	Pass
CP-OFDM 256 QAM	3730.02	Outer_Full	11.56	/	/	<=13	Pass
	3840	Outer_Full	11.64	/	/	<=13	Pass
	3949.98	Outer_Full	11.64	/	/	<=13	Pass

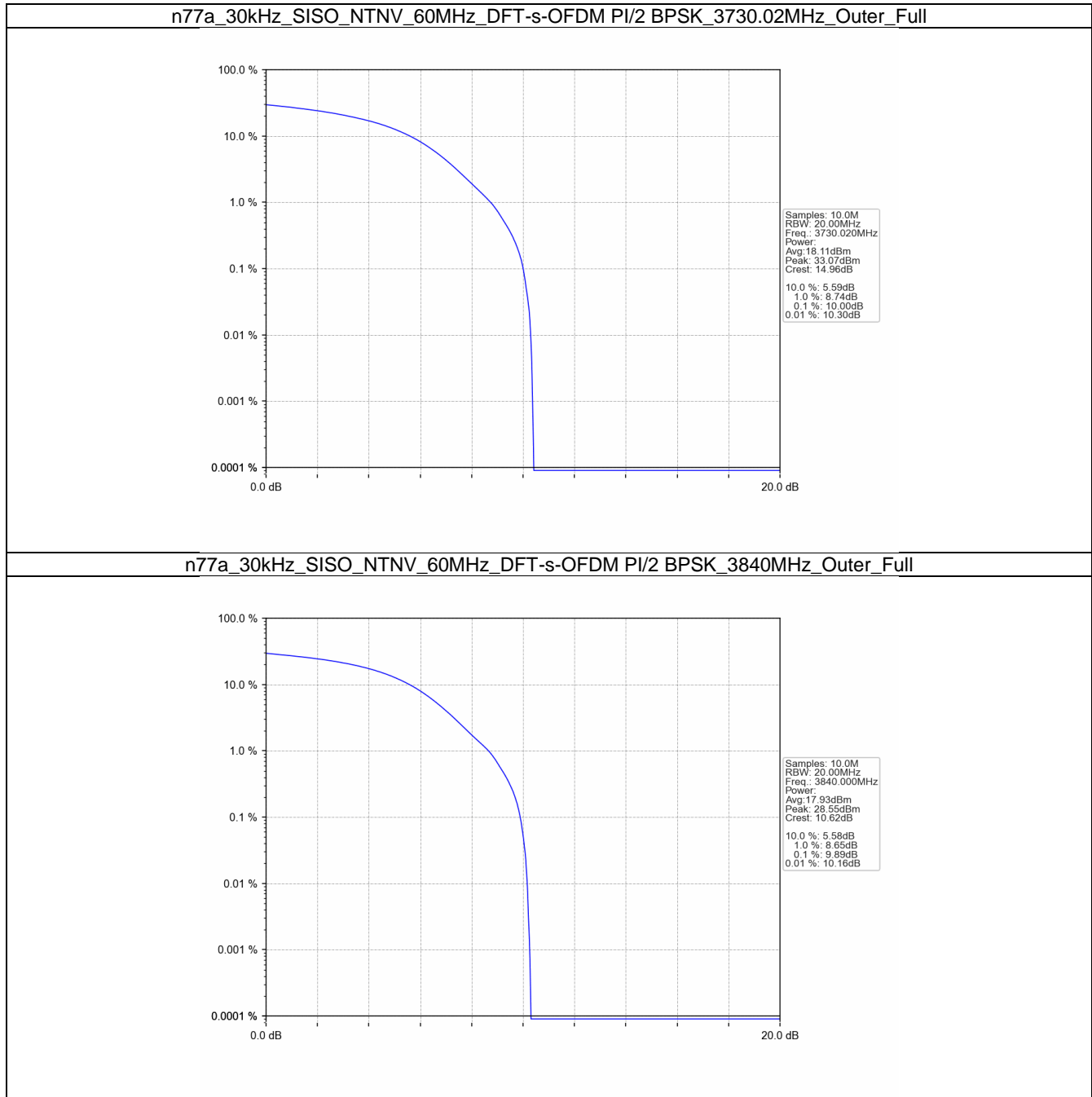


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5.15.2 Test Graph



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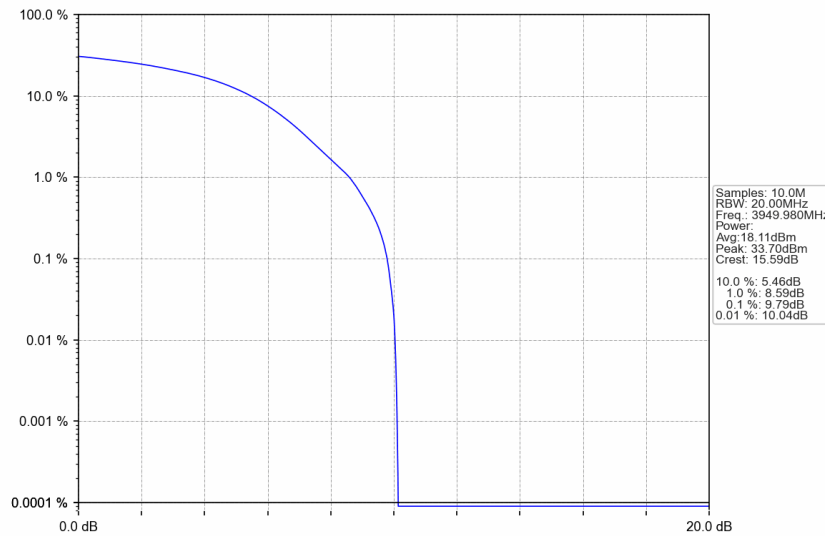
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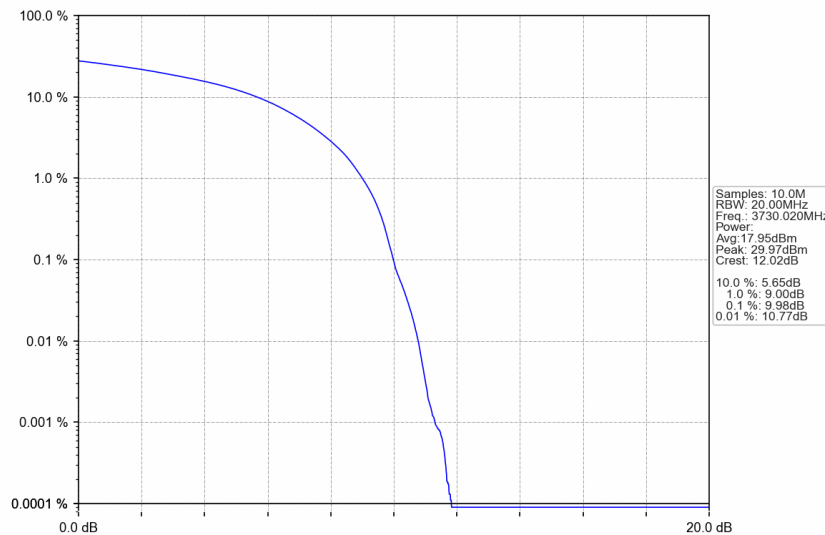
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n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_3730.02MHz_Outer_Full



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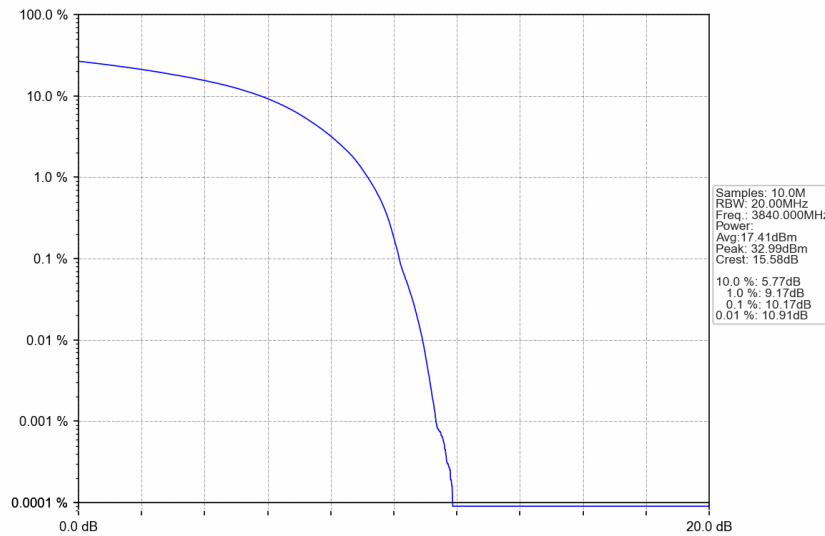
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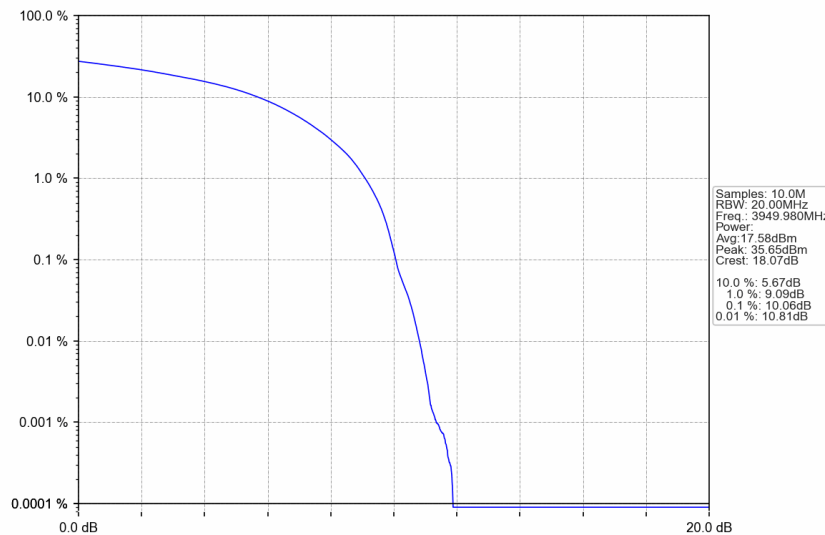
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n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_3949.98MHz_Outer_Full



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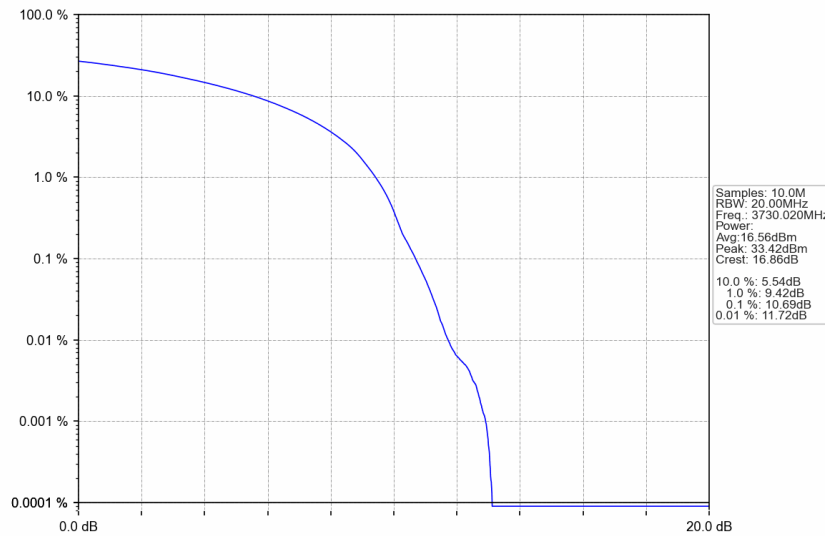
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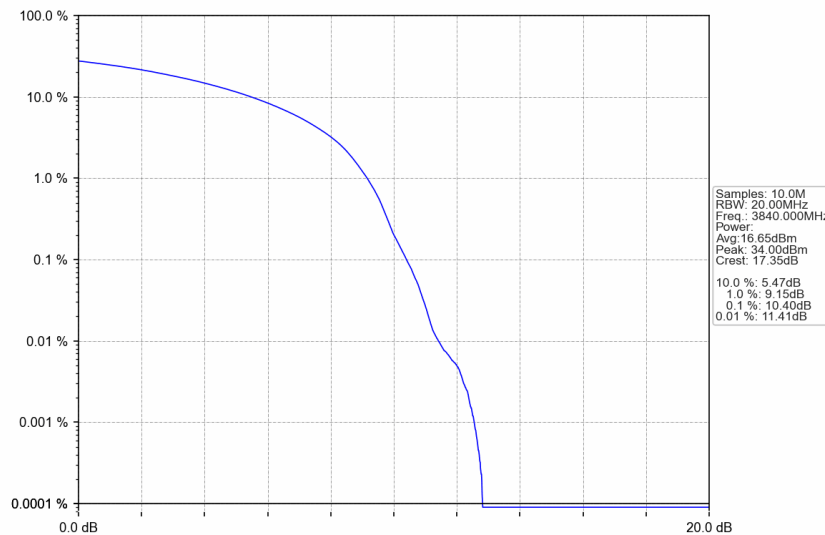
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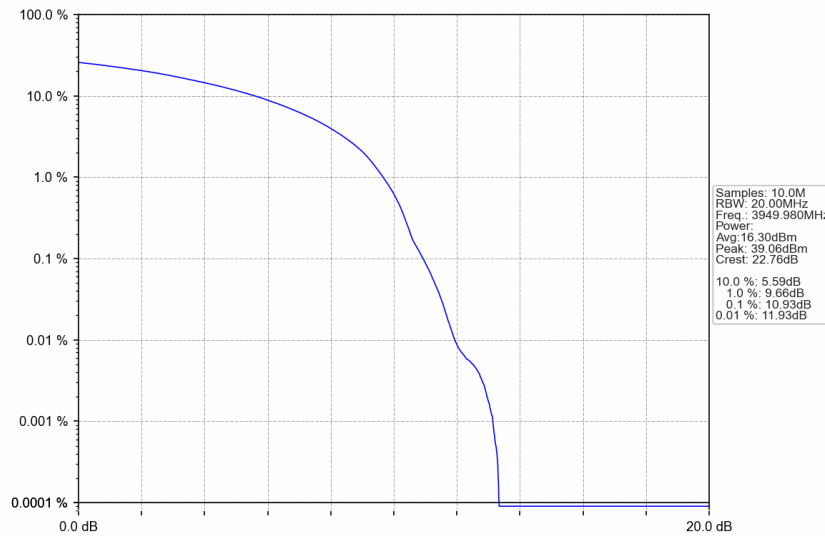


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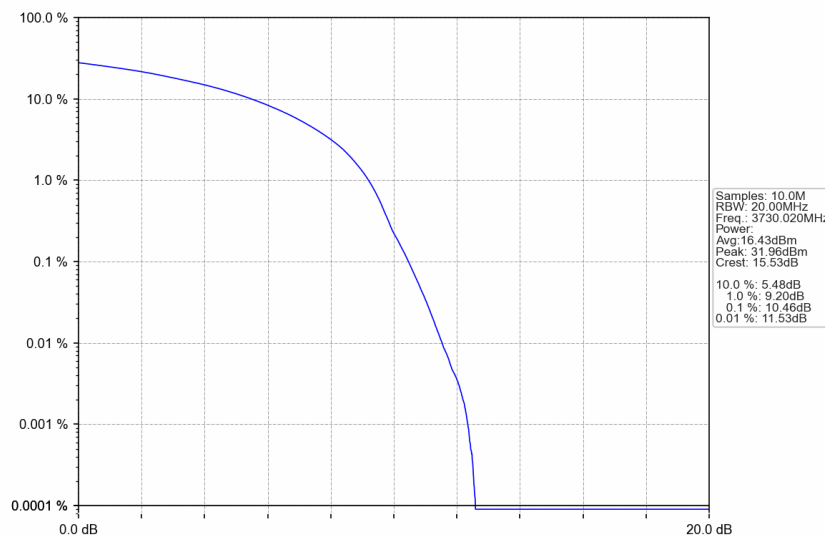
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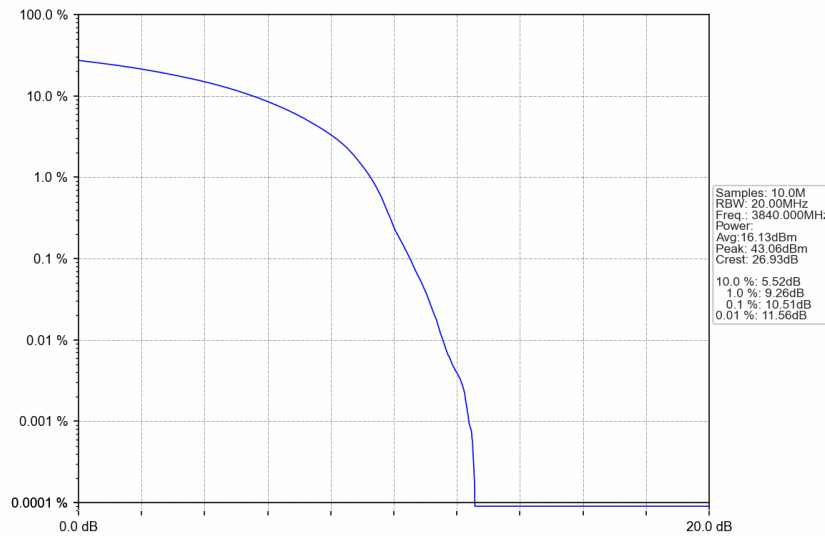
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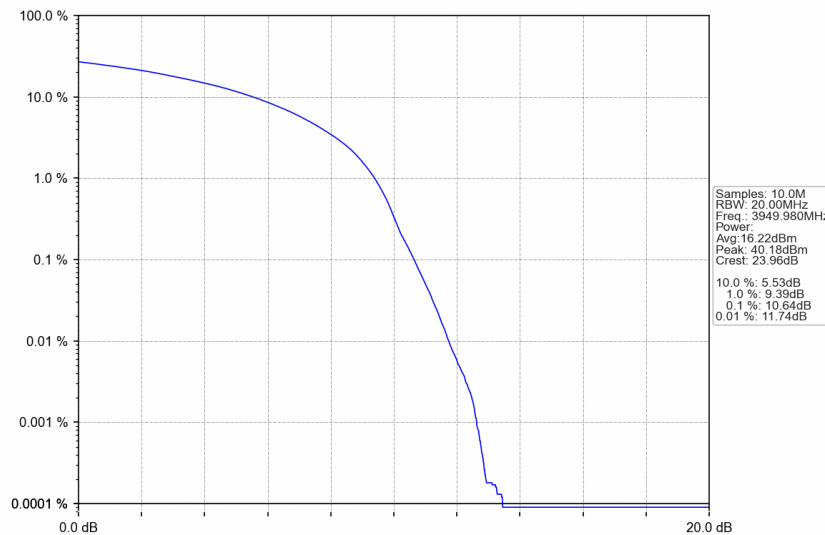
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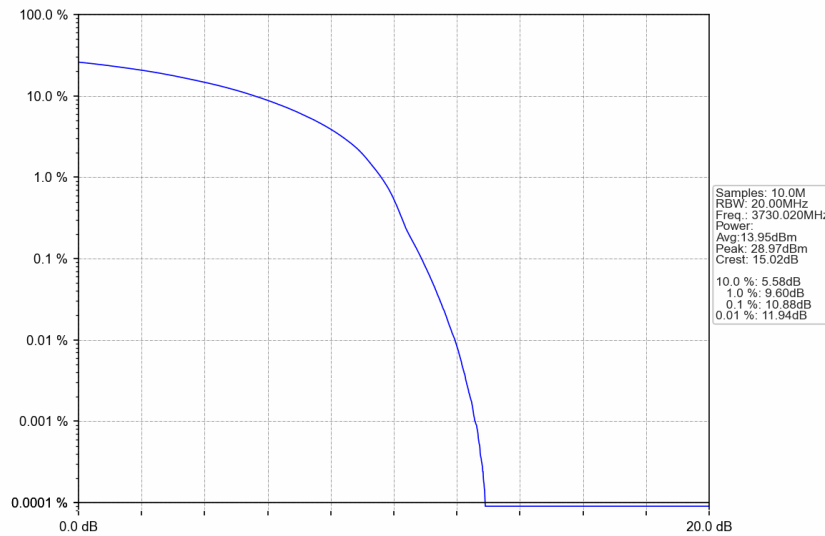
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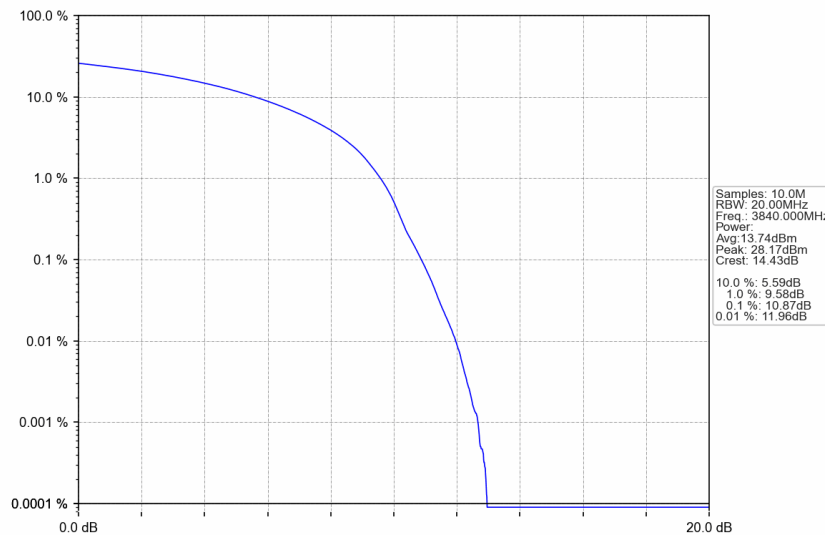
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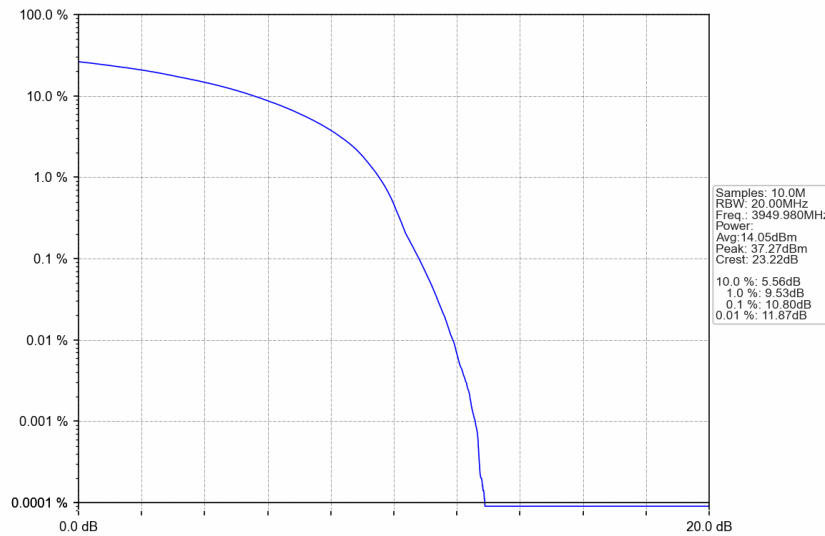


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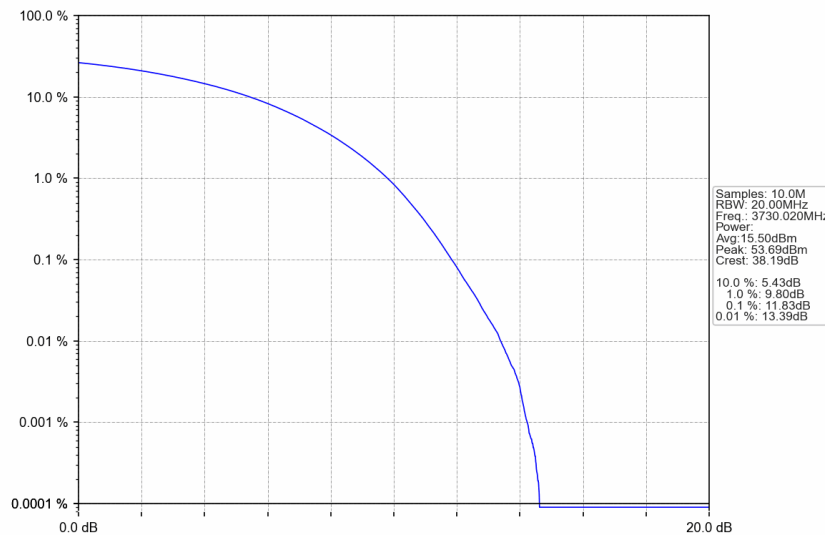
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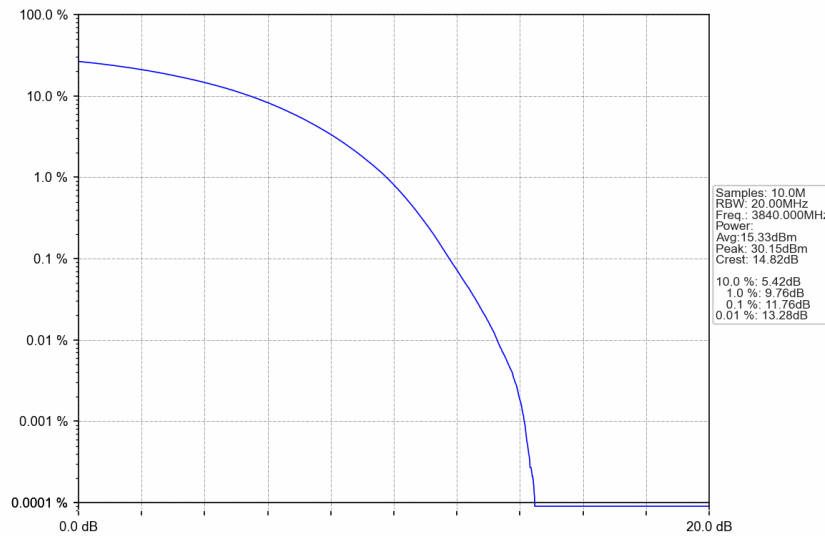
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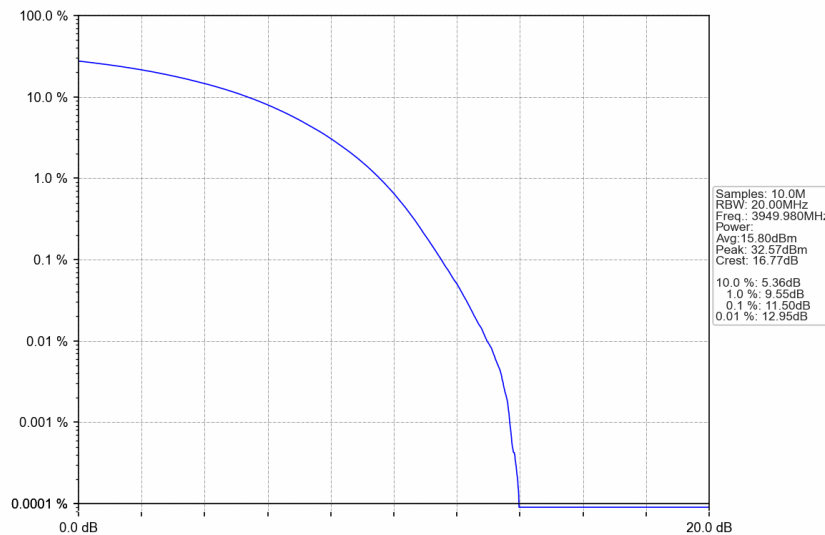
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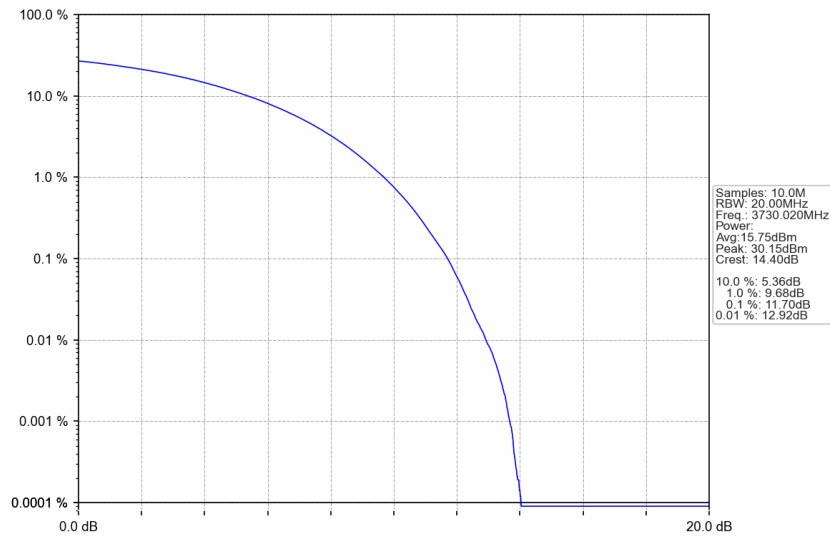
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South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

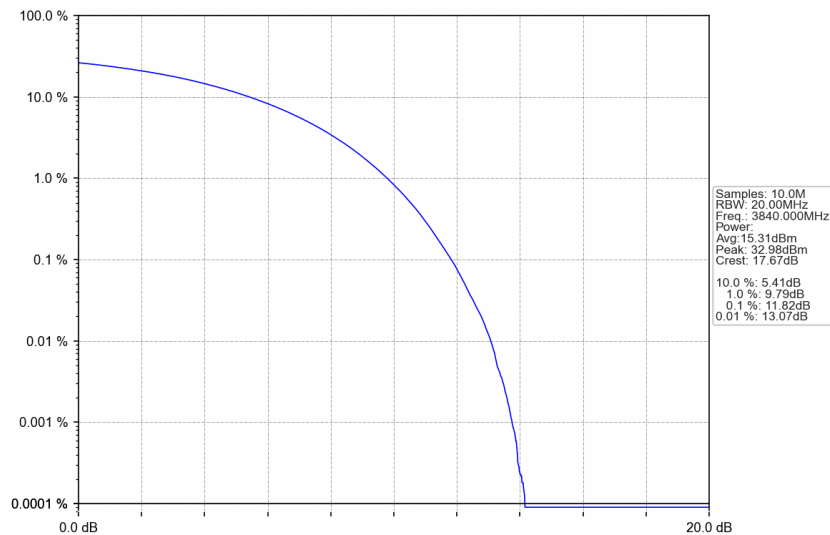
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n77a_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM_3840MHz_Outer_Full

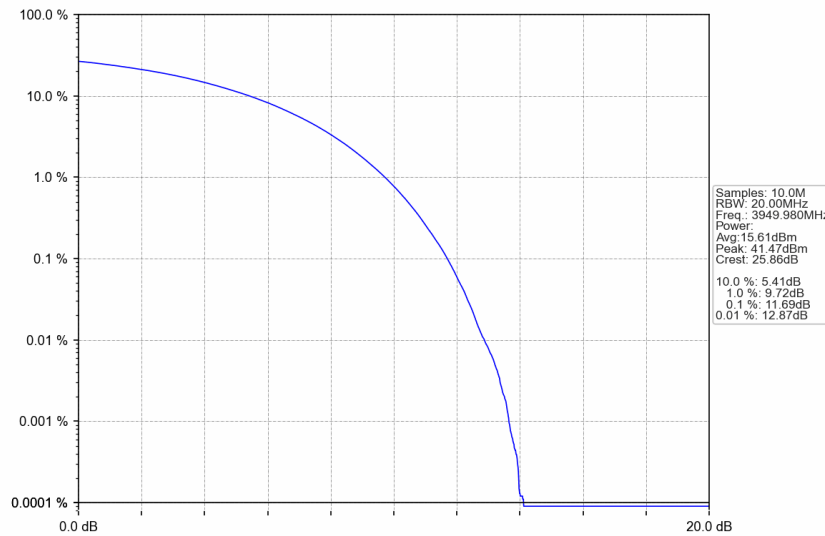


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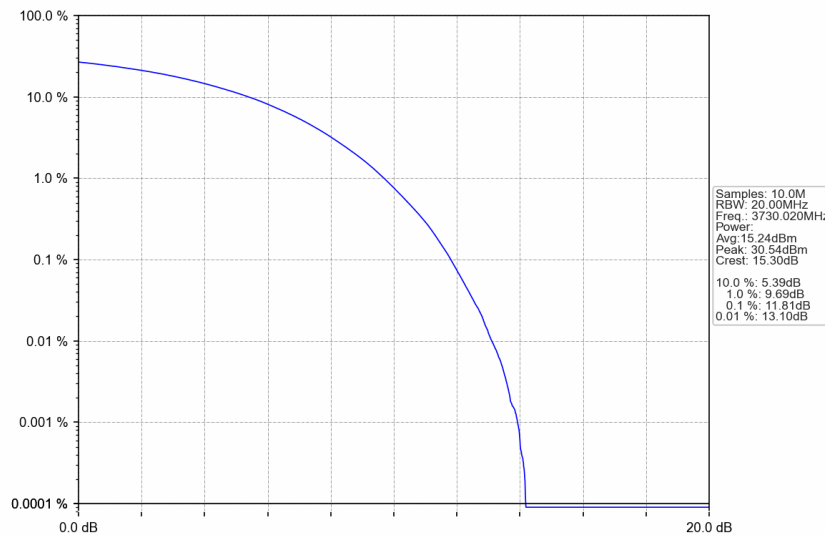
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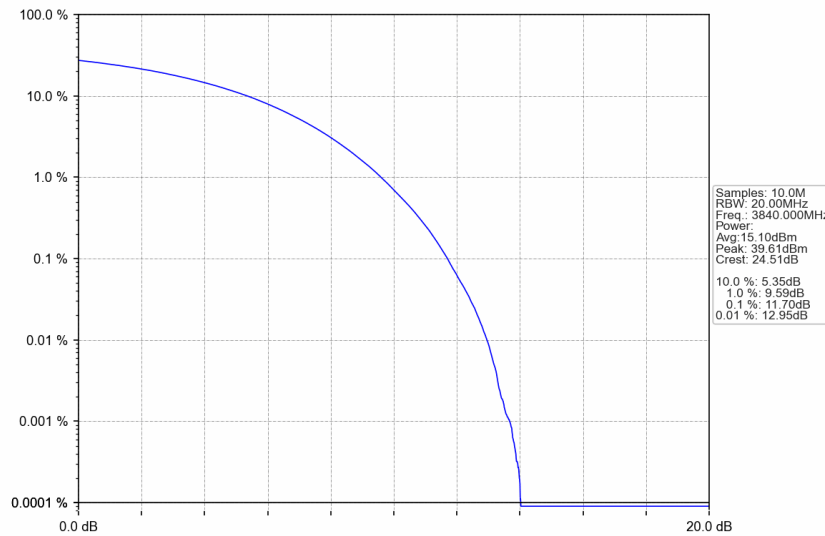


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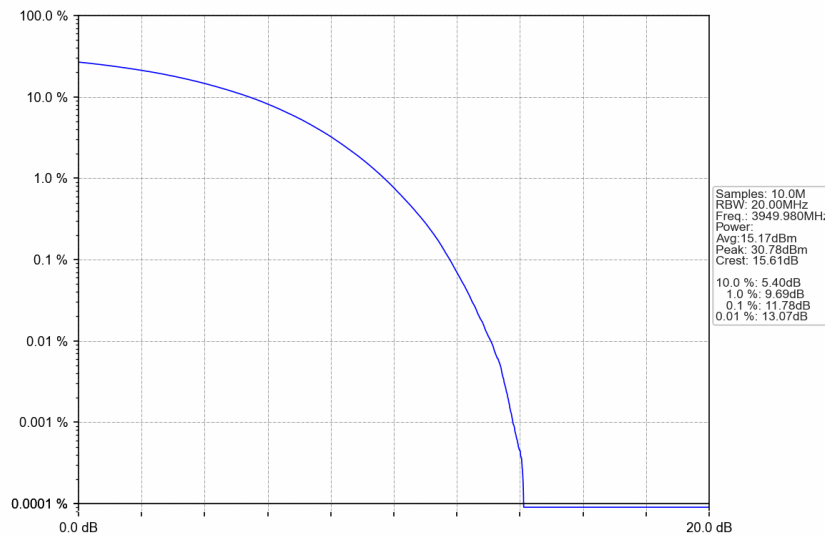
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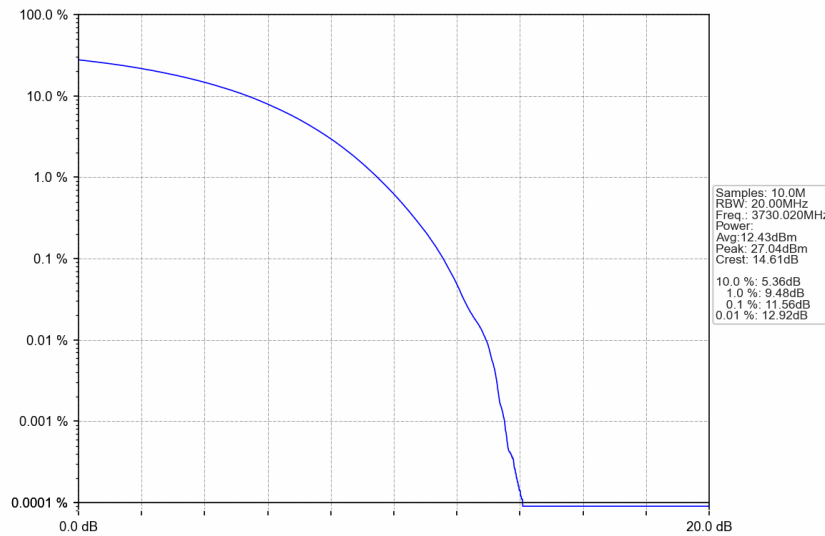
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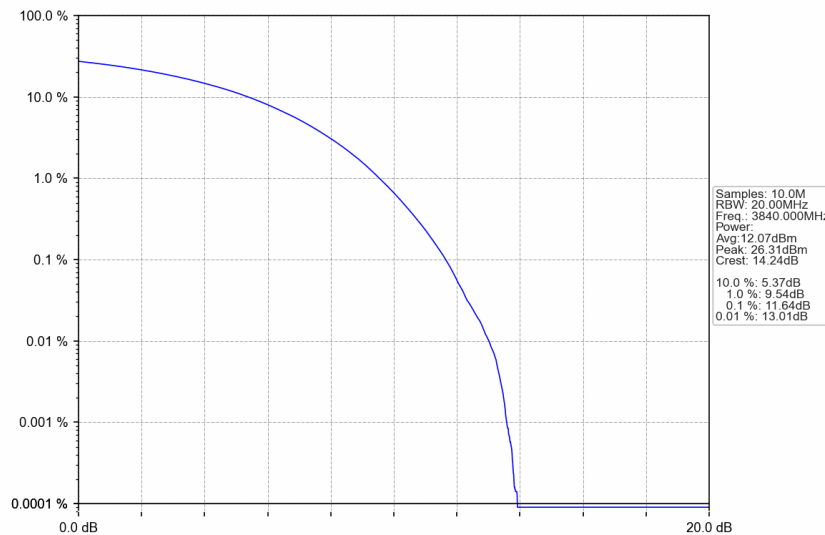
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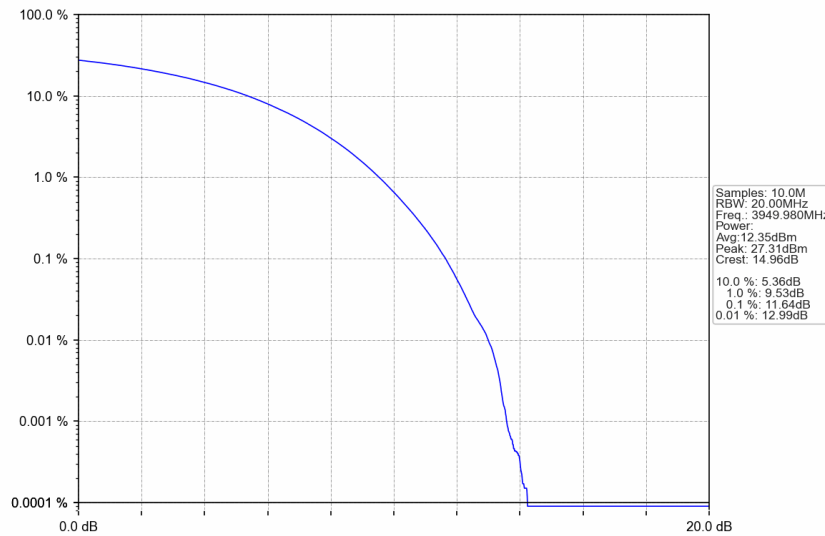


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