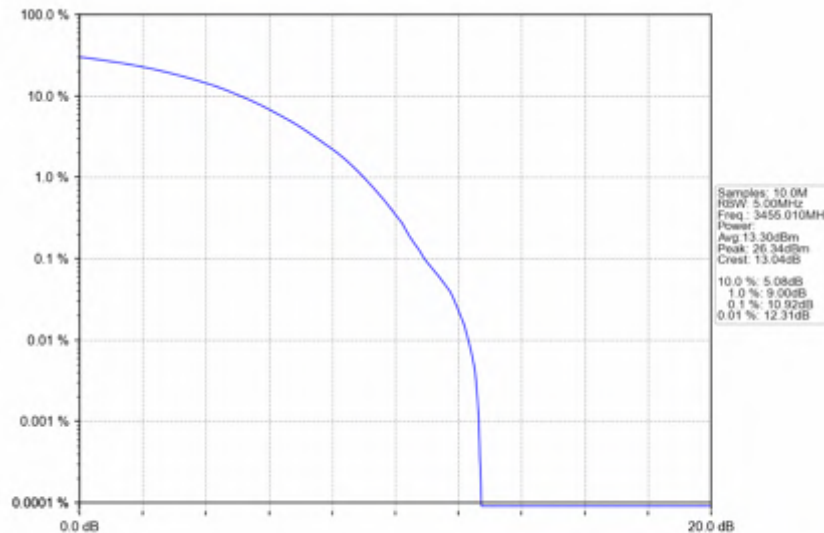
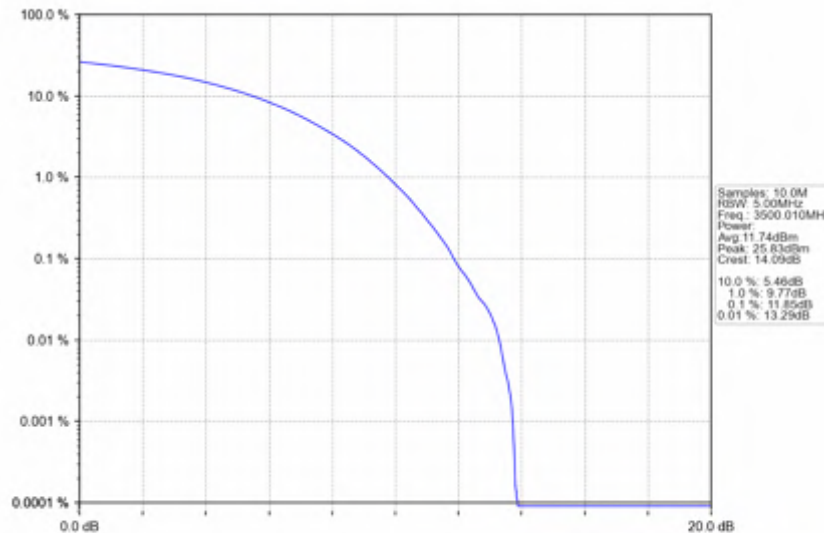


n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3455.01MHz_Outer_Full



n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full

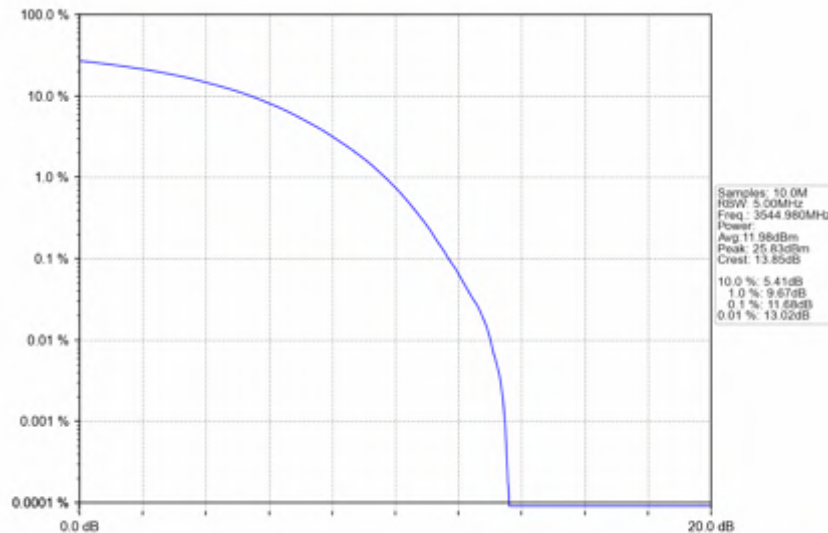


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n78e_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3544.98MHz_Outer_Full



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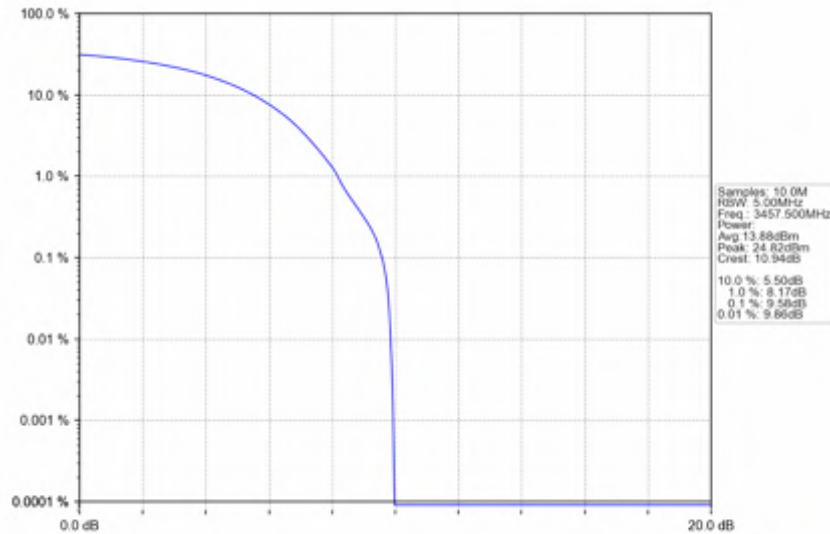
9.9 30k_SISO_15MHz_NTNV

9.9.1 Test Result

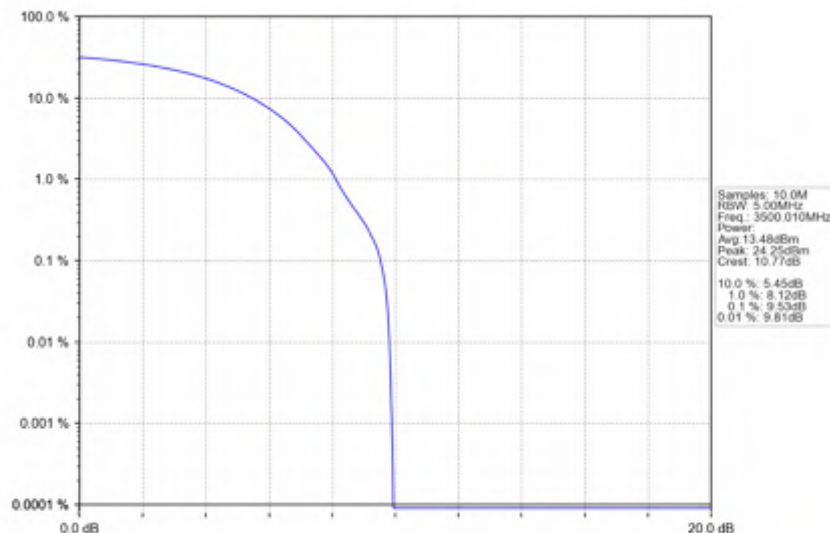
5G NR n78e SCS=30kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3457.5	Outer_Full	9.58	/	/	<=13	Pass
	3500.01	Outer_Full	9.53	/	/	<=13	Pass
	3542.49	Outer_Full	9.69	/	/	<=13	Pass
DFT-s-OFDM QPSK	3457.5	Outer_Full	9.88	/	/	<=13	Pass
	3500.01	Outer_Full	9.94	/	/	<=13	Pass
	3542.49	Outer_Full	9.93	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3457.5	Outer_Full	10.09	/	/	<=13	Pass
	3500.01	Outer_Full	10.51	/	/	<=13	Pass
	3542.49	Outer_Full	10.69	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3457.5	Outer_Full	10.09	/	/	<=13	Pass
	3500.01	Outer_Full	10.52	/	/	<=13	Pass
	3542.49	Outer_Full	10.67	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3457.5	Outer_Full	10.57	/	/	<=13	Pass
	3500.01	Outer_Full	10.54	/	/	<=13	Pass
	3542.49	Outer_Full	10.48	/	/	<=13	Pass
CP-OFDM QPSK	3457.5	Outer_Full	11.83	/	/	<=13	Pass
	3500.01	Outer_Full	11.71	/	/	<=13	Pass
	3542.49	Outer_Full	11.69	/	/	<=13	Pass
CP-OFDM 16 QAM	3457.5	Outer_Full	11.67	/	/	<=13	Pass
	3500.01	Outer_Full	11.69	/	/	<=13	Pass
	3542.49	Outer_Full	11.79	/	/	<=13	Pass
CP-OFDM 64 QAM	3457.5	Outer_Full	11.70	/	/	<=13	Pass
	3500.01	Outer_Full	11.75	/	/	<=13	Pass
	3542.49	Outer_Full	11.78	/	/	<=13	Pass
CP-OFDM 256 QAM	3457.5	Outer_Full	11.62	/	/	<=13	Pass
	3500.01	Outer_Full	11.81	/	/	<=13	Pass
	3542.49	Outer_Full	11.59	/	/	<=13	Pass

9.9.2 Test Graph

n78e_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_3457.5MHz_Outer_Full



n78e_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_3500.01MHz_Outer_Full



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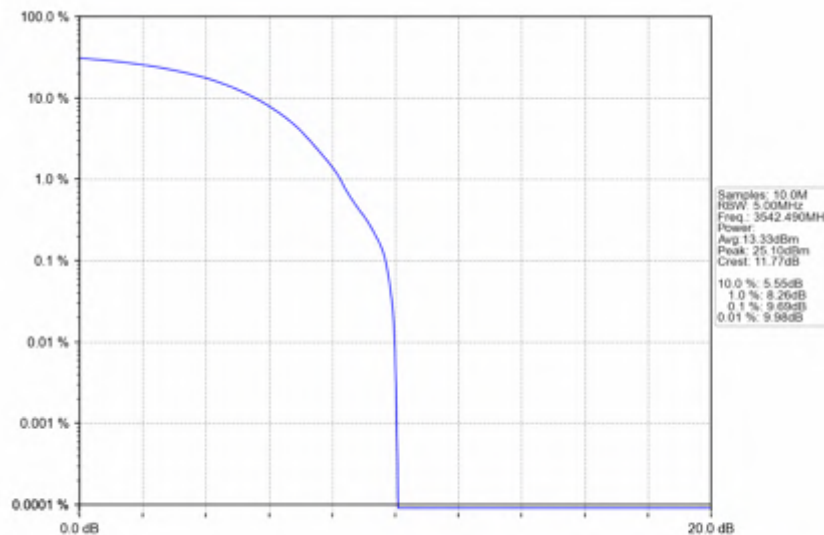
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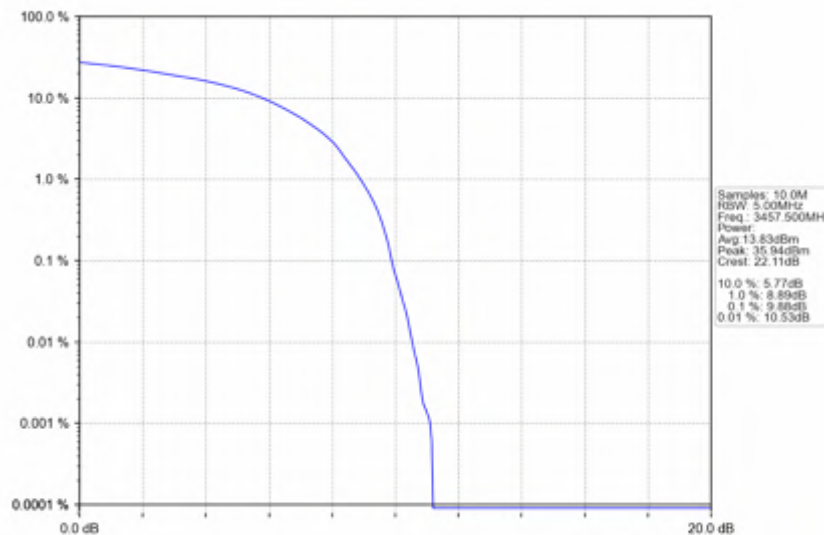
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n78e_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3542.49MHz_Outer_Full



n78e_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3457.5MHz_Outer_Full

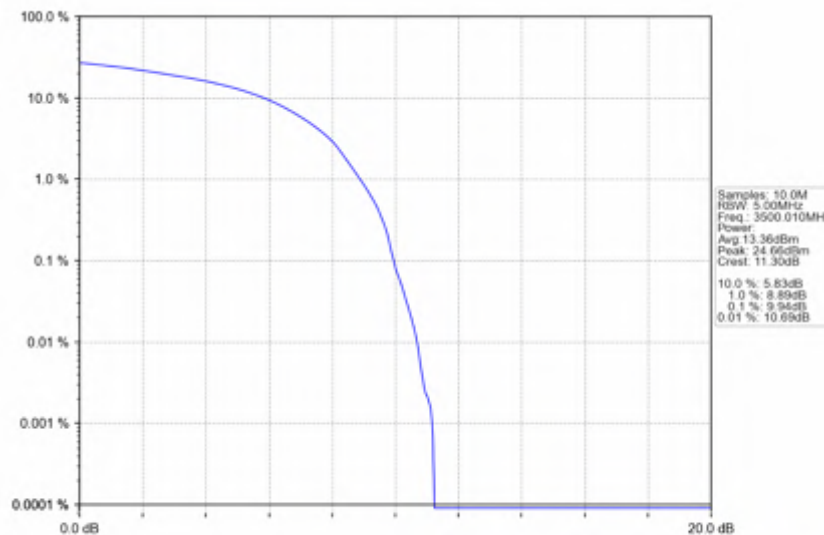


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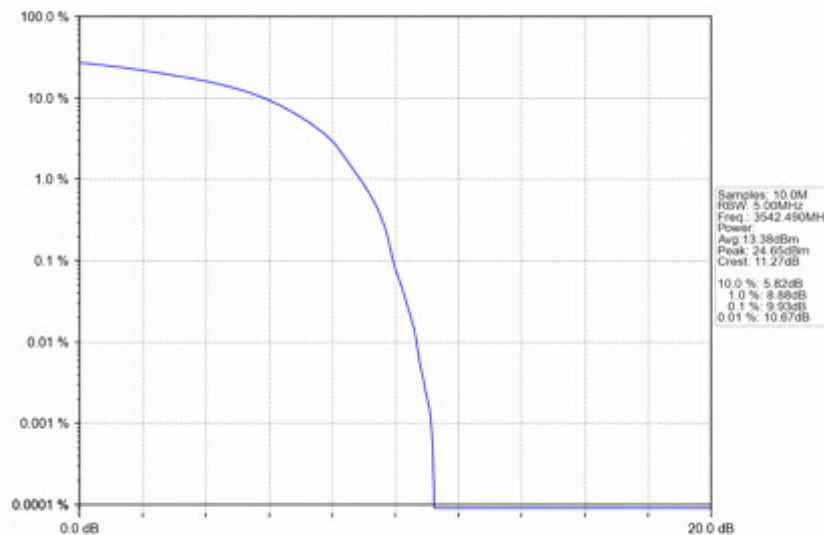
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n78e_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_3542.49MHz_Outer_Full



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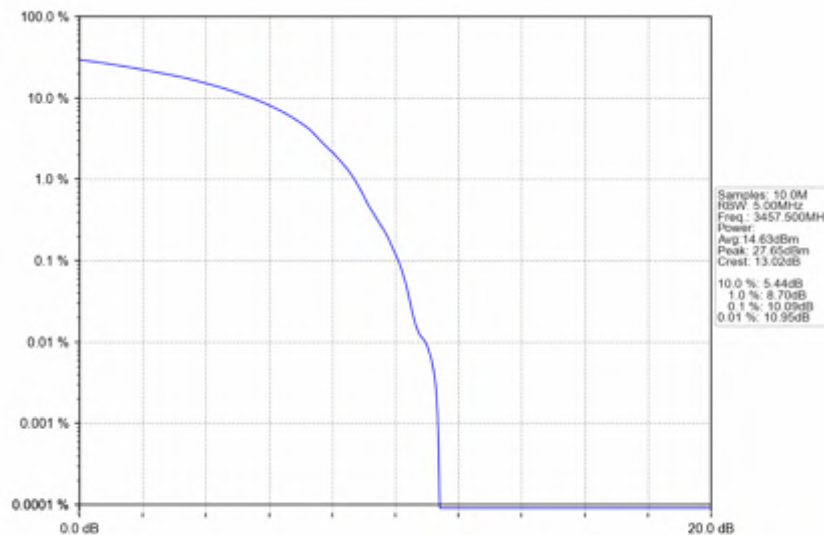
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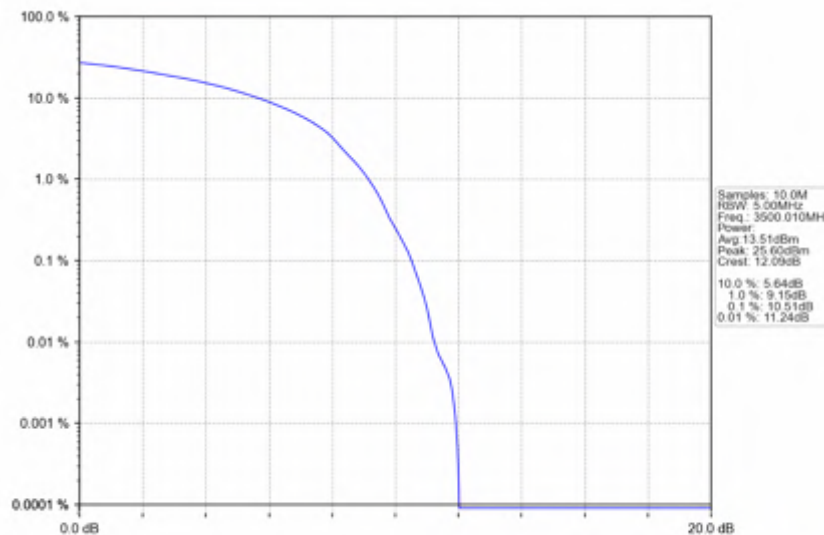
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n78e_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full

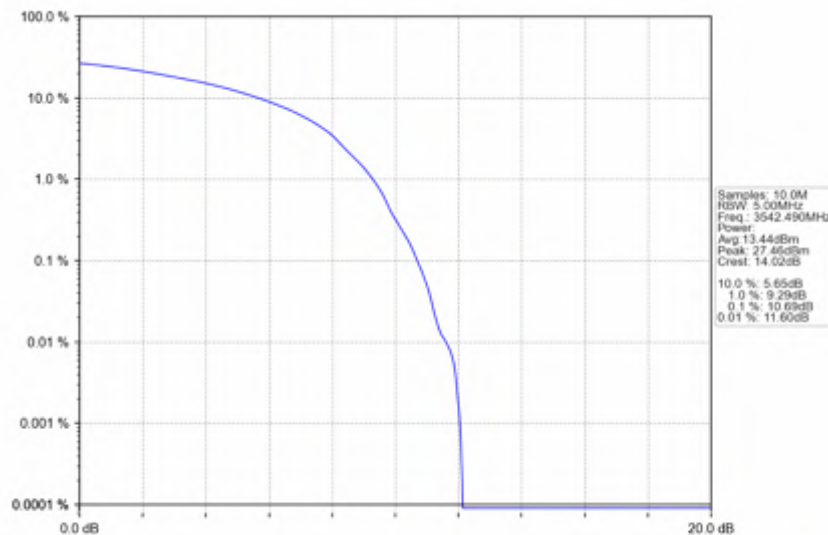


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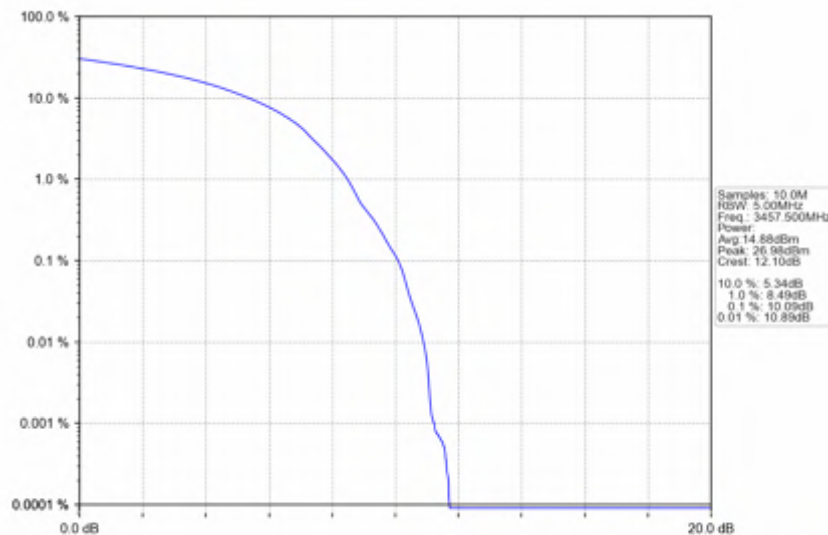
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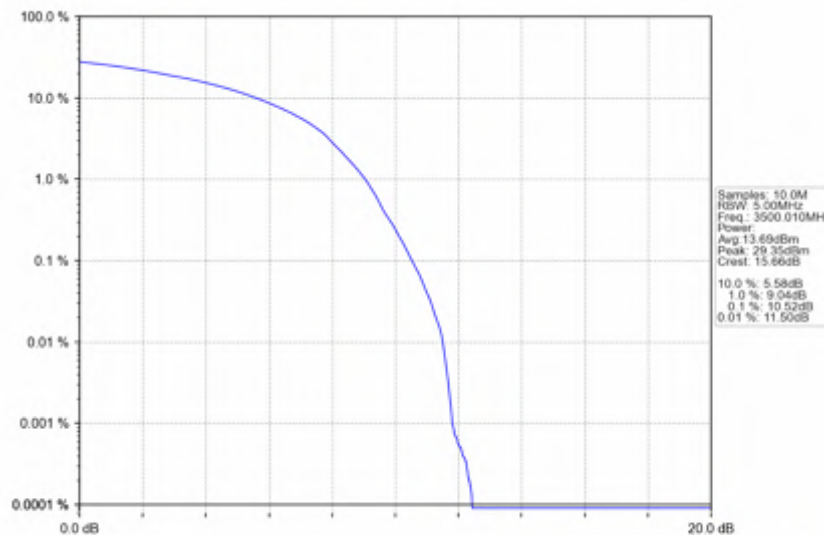
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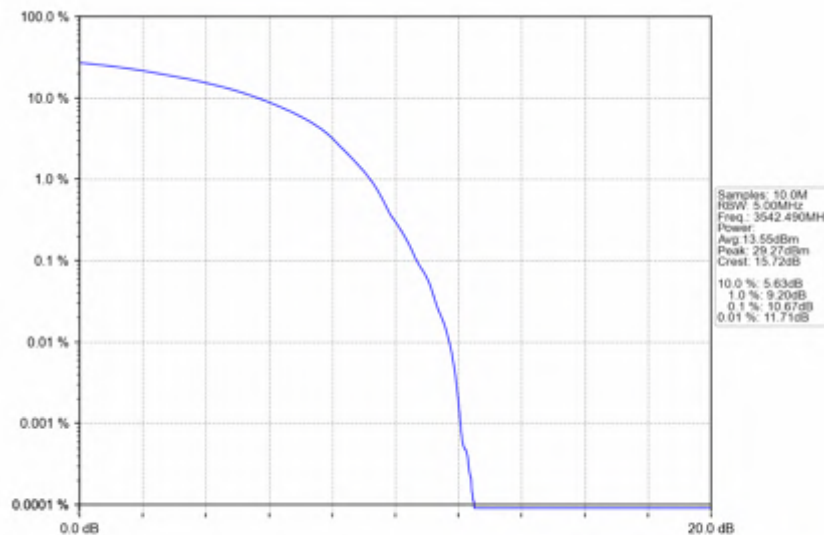
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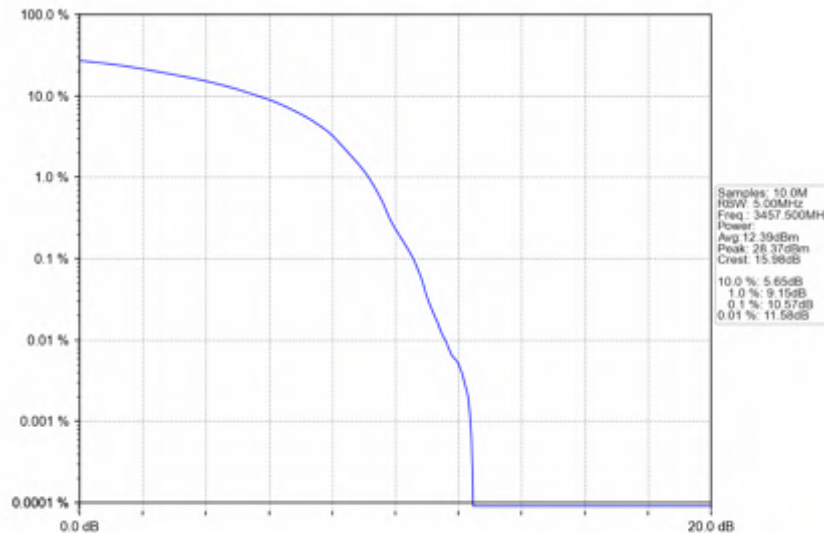


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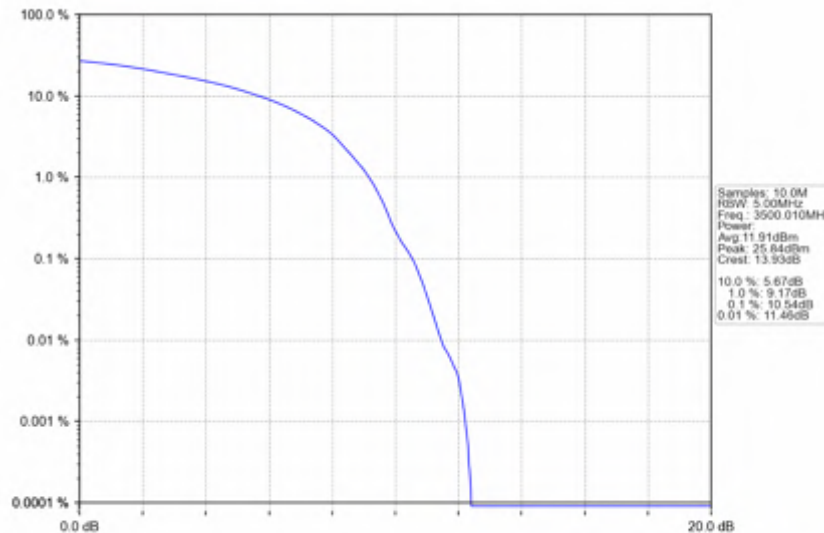
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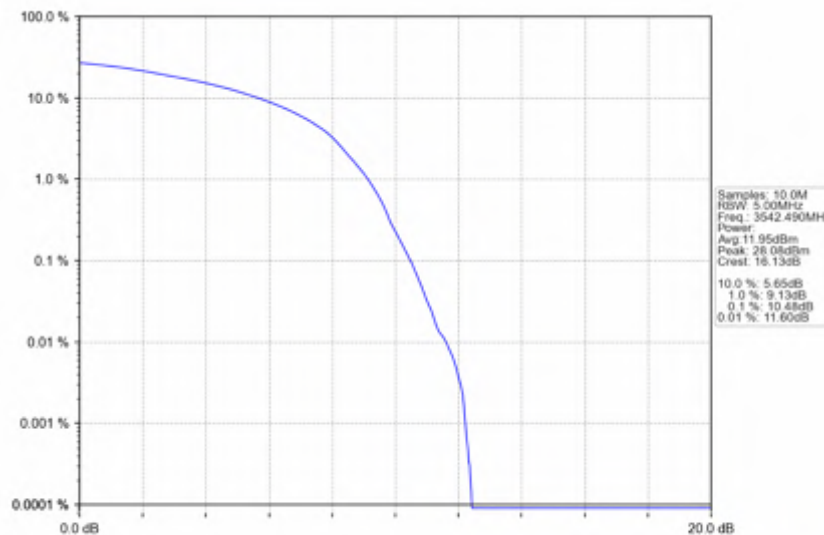


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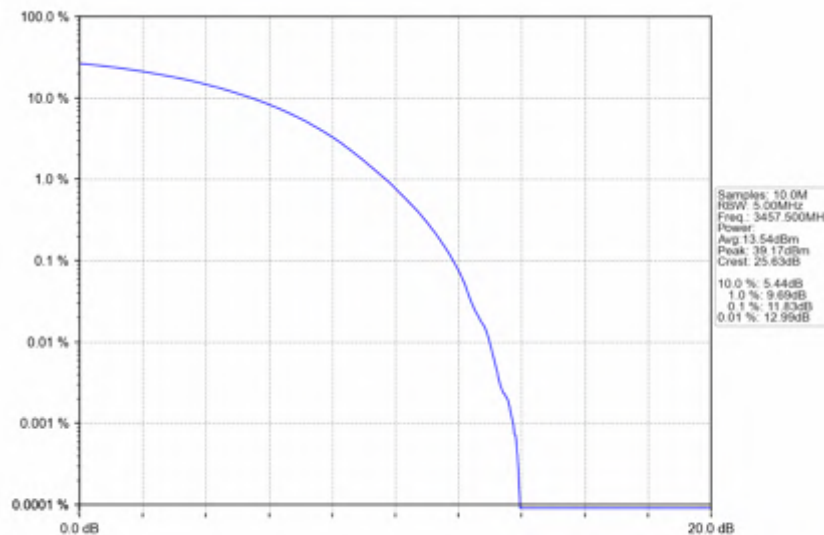
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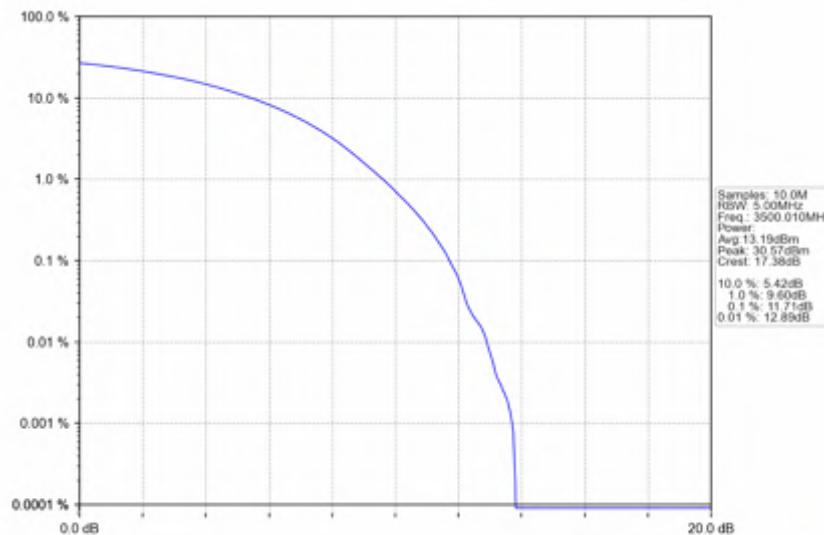


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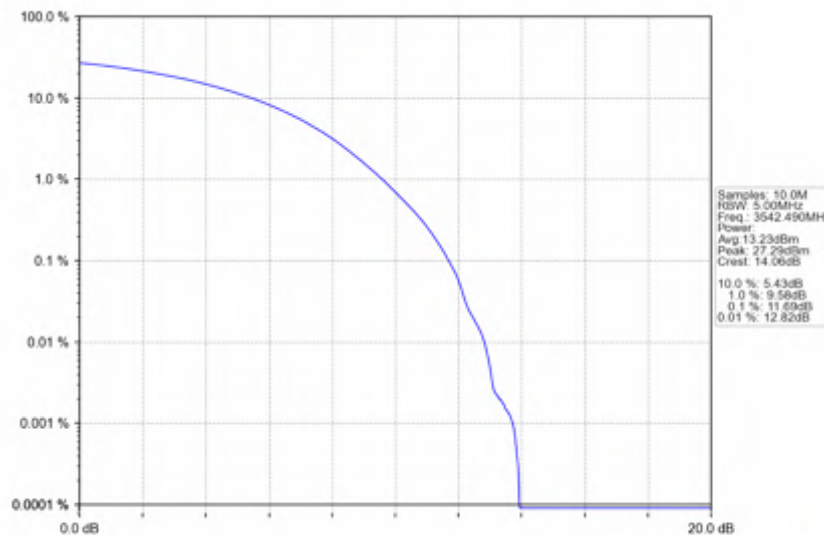
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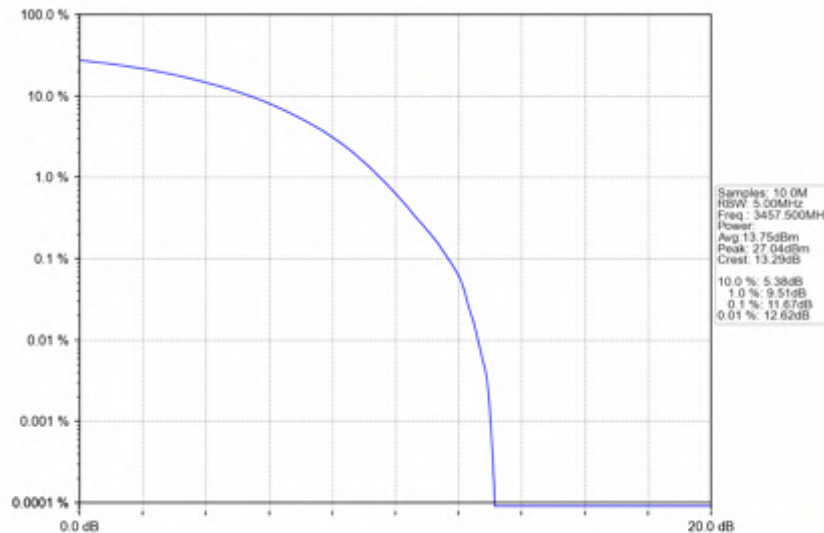
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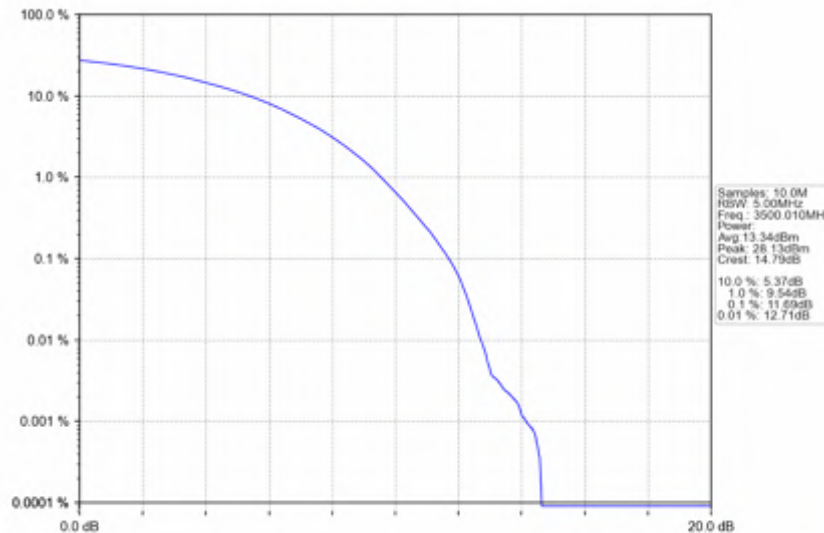
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n78e_30kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_3457.5MHz_Outer_Full



n78e_30kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full

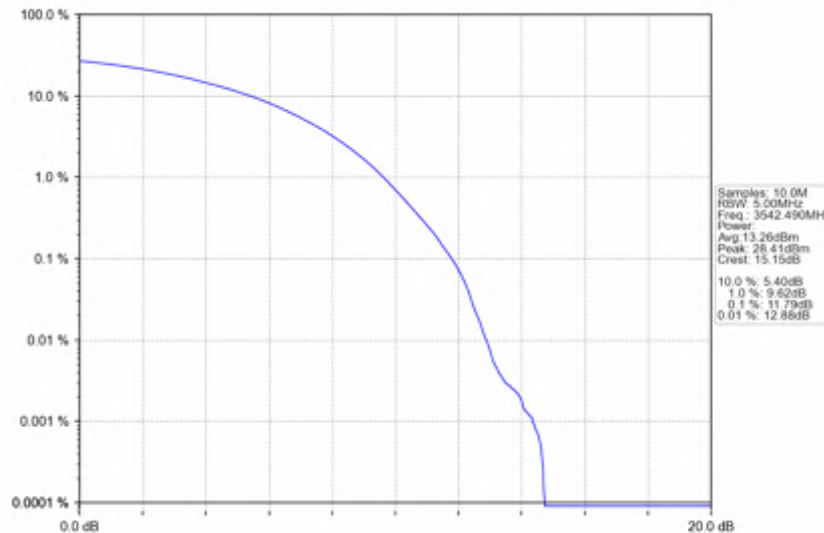


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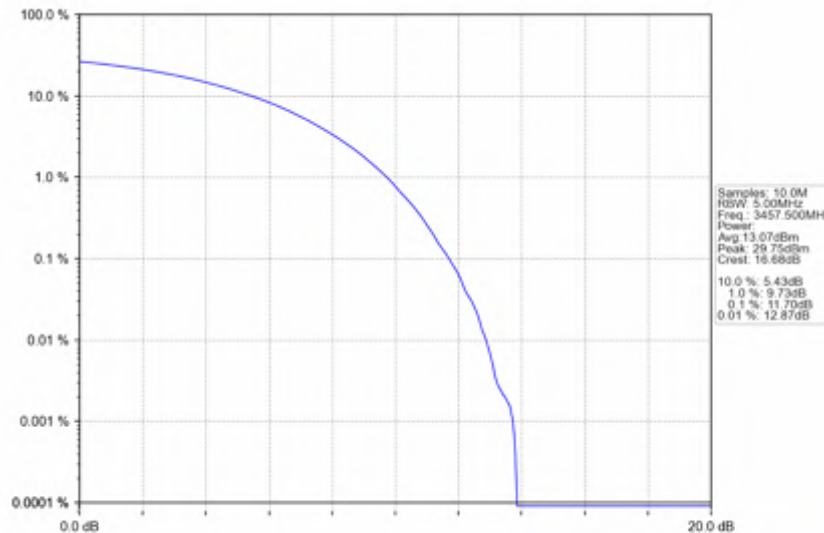
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n78e_30kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_3542.49MHz_Outer_Full



n78e_30kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_3457.5MHz_Outer_Full

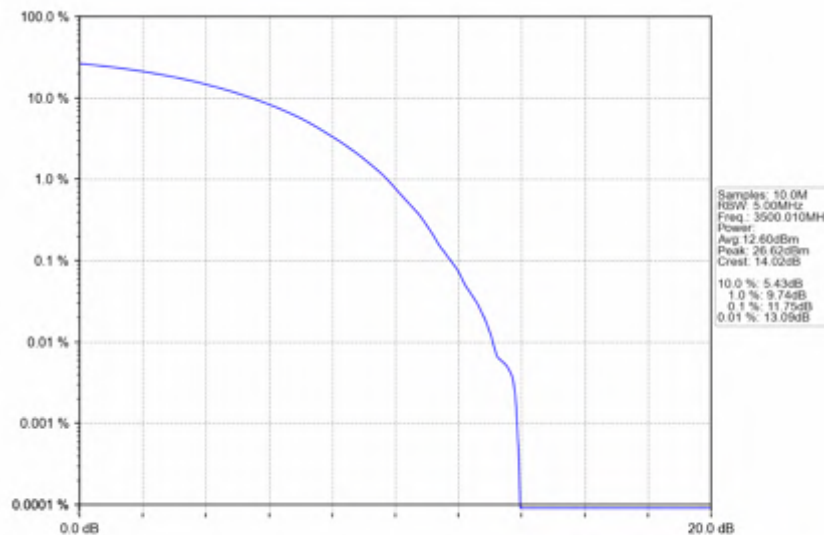


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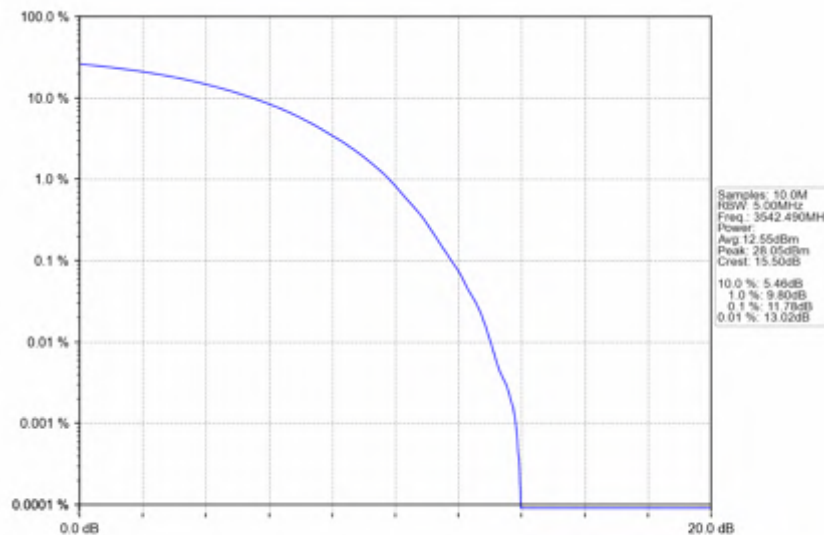
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n78e_30kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_3542.49MHz_Outer_Full



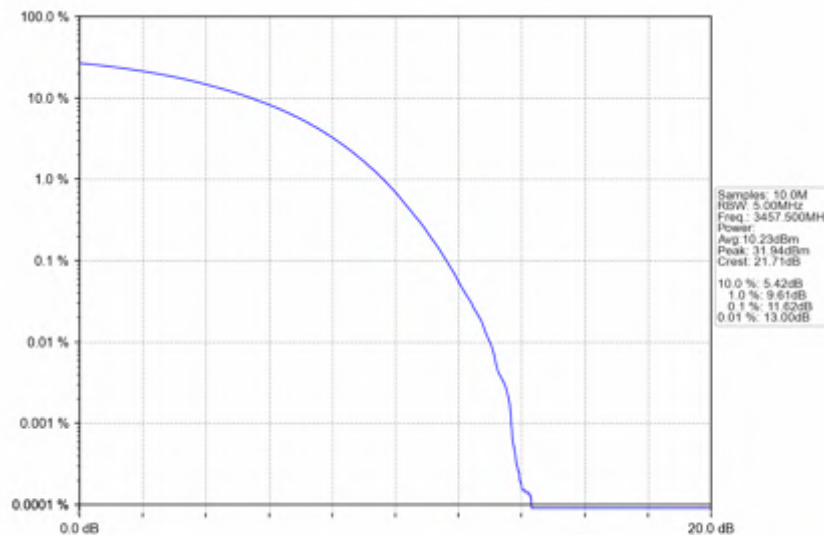
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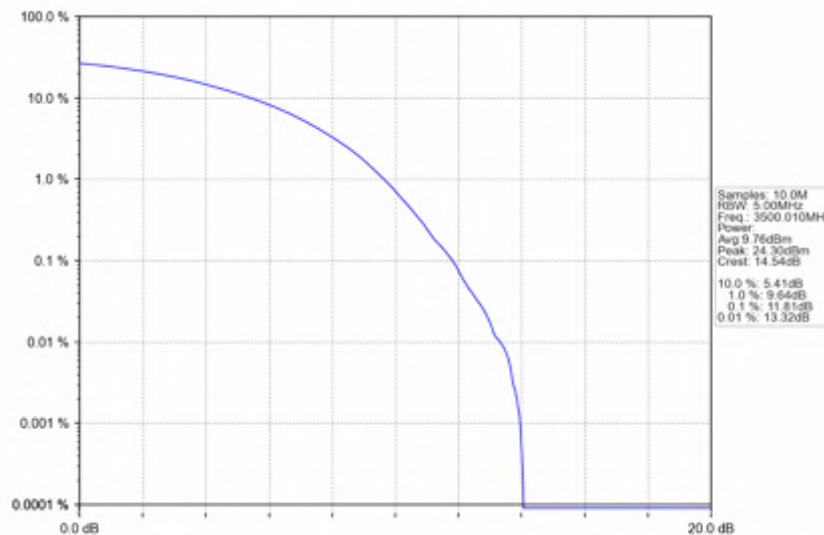
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n78e_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full

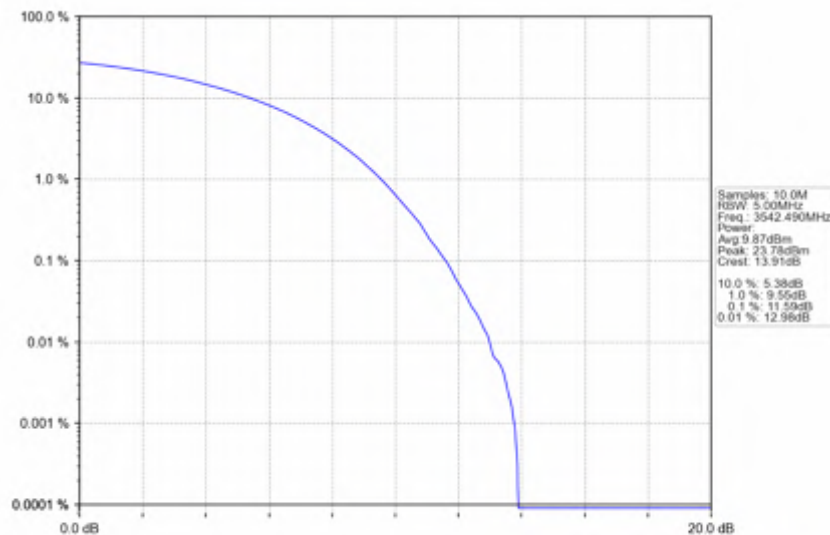


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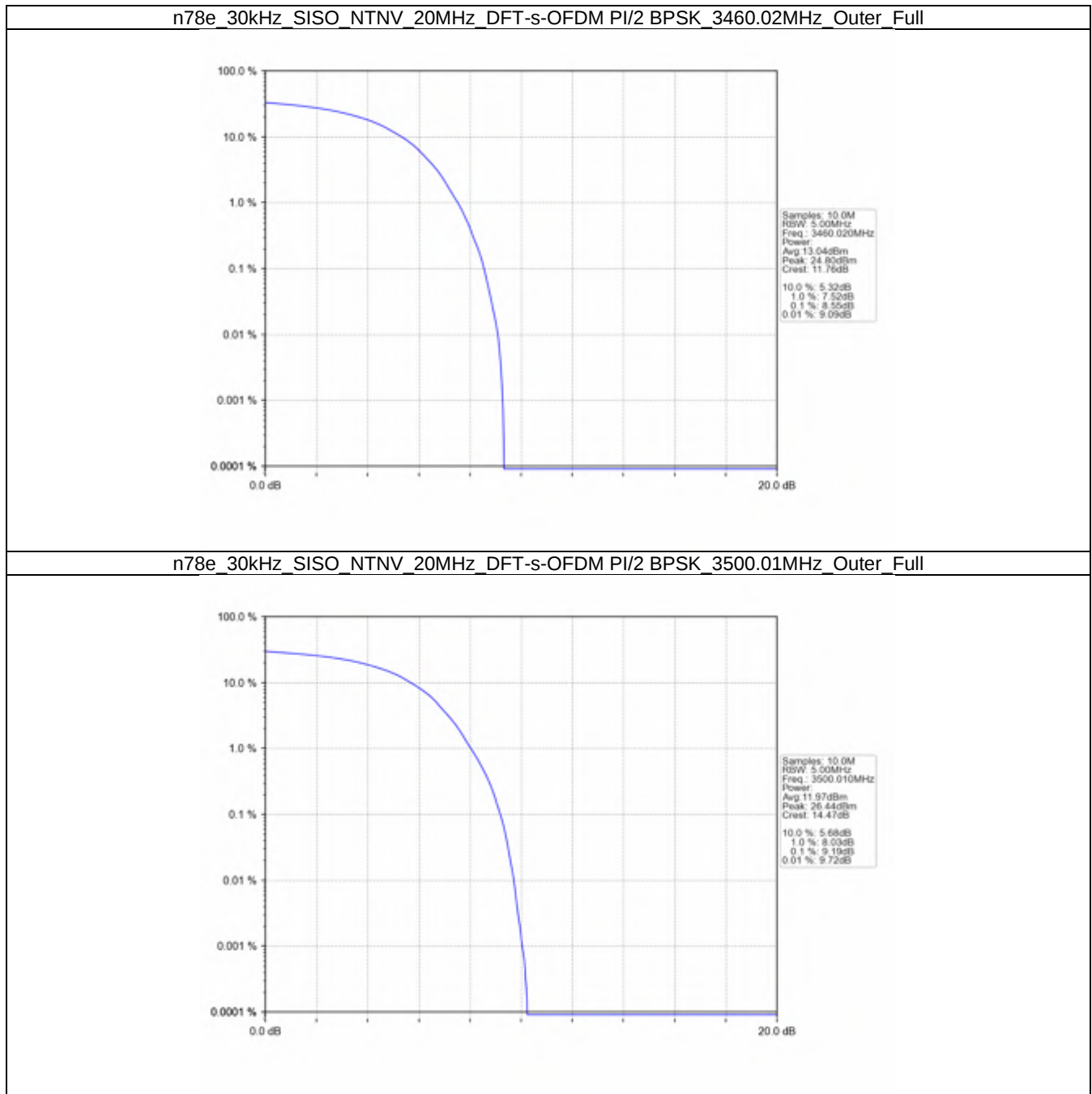
9.10 30k_SISO_20MHz_NTNV

9.10.1 Test Result

5G NR n78e SCS=30kHz SISO 20MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3460.02	Outer_Full	8.55	/	/	<=13	Pass
	3500.01	Outer_Full	9.19	/	/	<=13	Pass
	3540	Outer_Full	9.20	/	/	<=13	Pass
DFT-s-OFDM QPSK	3460.02	Outer_Full	10.43	/	/	<=13	Pass
	3500.01	Outer_Full	10.49	/	/	<=13	Pass
	3540	Outer_Full	10.38	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3460.02	Outer_Full	10.84	/	/	<=13	Pass
	3500.01	Outer_Full	10.88	/	/	<=13	Pass
	3540	Outer_Full	10.78	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3460.02	Outer_Full	10.74	/	/	<=13	Pass
	3500.01	Outer_Full	10.86	/	/	<=13	Pass
	3540	Outer_Full	10.83	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3460.02	Outer_Full	11.01	/	/	<=13	Pass
	3500.01	Outer_Full	11.00	/	/	<=13	Pass
	3540	Outer_Full	10.94	/	/	<=13	Pass
CP-OFDM QPSK	3460.02	Outer_Full	11.19	/	/	<=13	Pass
	3500.01	Outer_Full	11.15	/	/	<=13	Pass
	3540	Outer_Full	11.25	/	/	<=13	Pass
CP-OFDM 16 QAM	3460.02	Outer_Full	11.64	/	/	<=13	Pass
	3500.01	Outer_Full	11.62	/	/	<=13	Pass
	3540	Outer_Full	11.61	/	/	<=13	Pass
CP-OFDM 64 QAM	3460.02	Outer_Full	11.56	/	/	<=13	Pass
	3500.01	Outer_Full	11.51	/	/	<=13	Pass
	3540	Outer_Full	11.59	/	/	<=13	Pass
CP-OFDM 256 QAM	3460.02	Outer_Full	12.10	/	/	<=13	Pass
	3500.01	Outer_Full	11.97	/	/	<=13	Pass
	3540	Outer_Full	12.10	/	/	<=13	Pass



9.10.2 Test Graph



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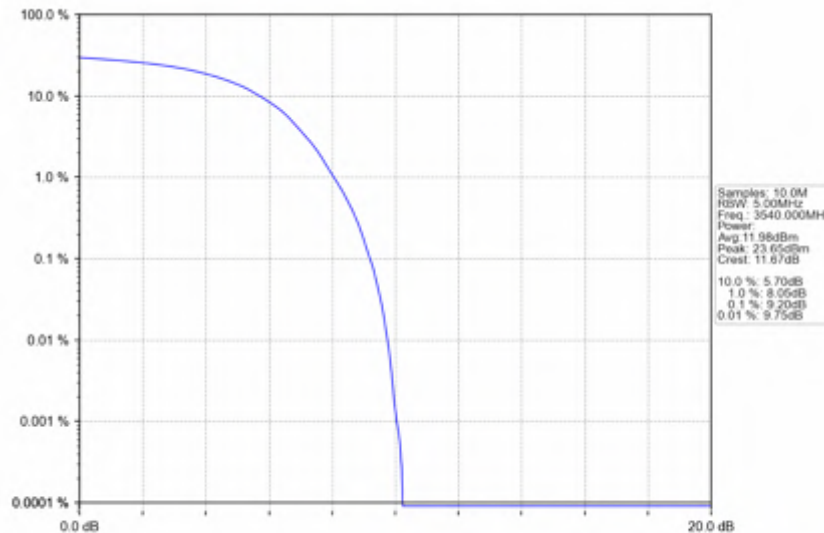
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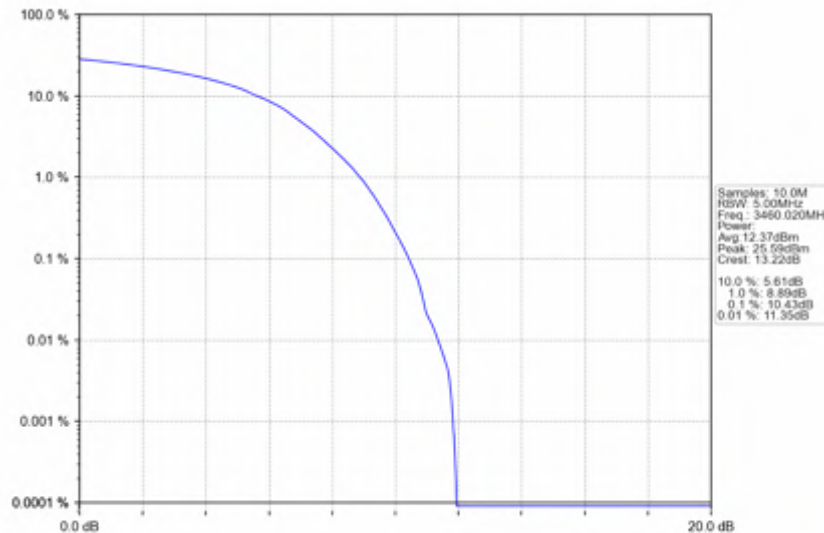
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n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3460.02MHz_Outer_Full

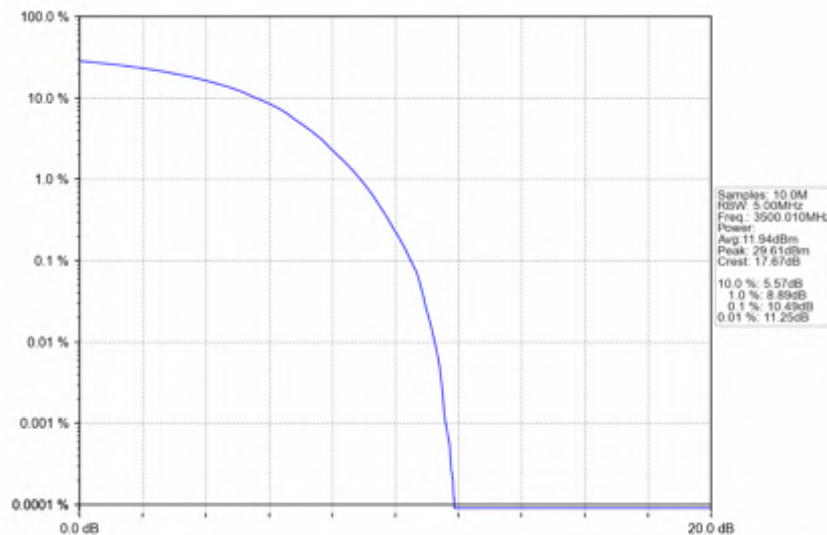


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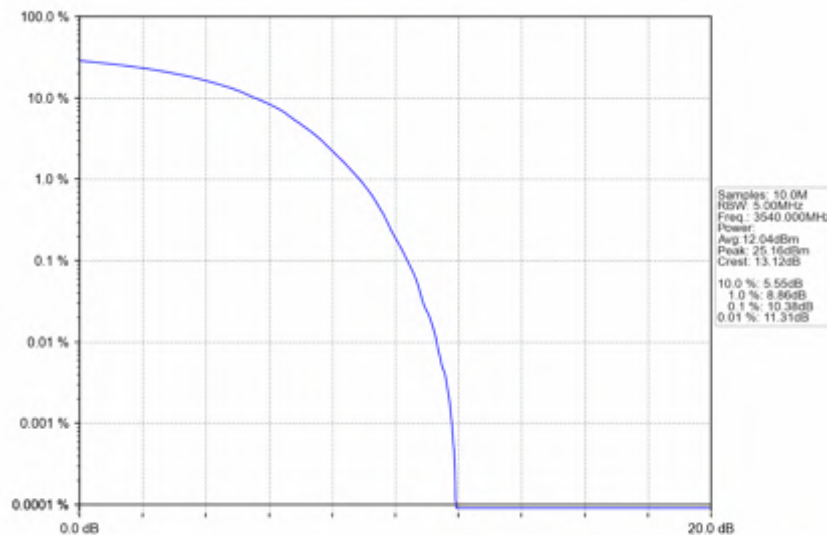
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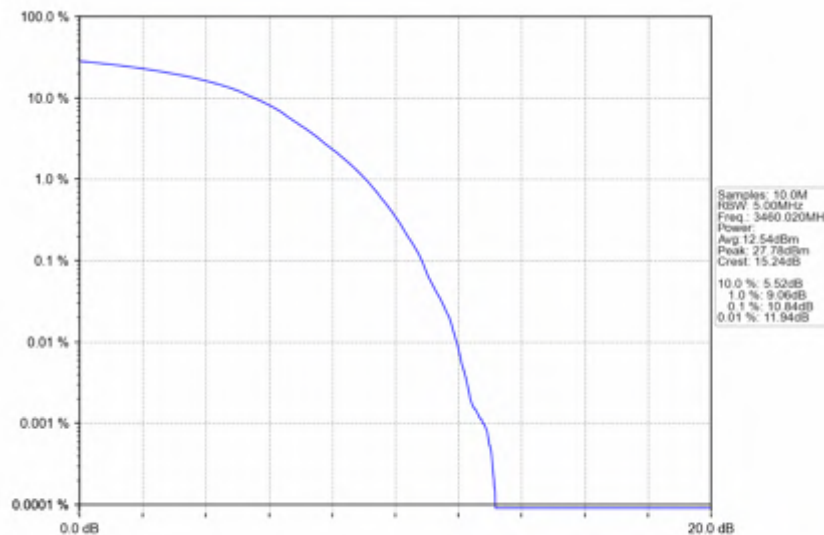


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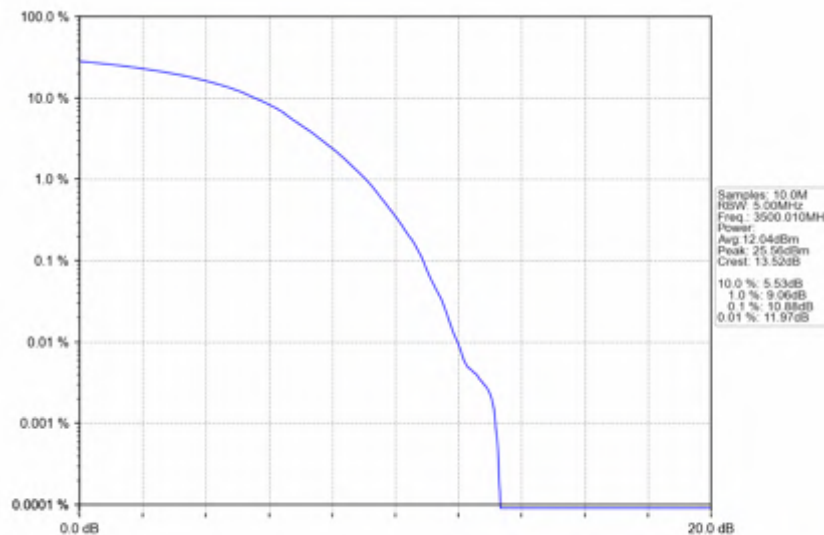
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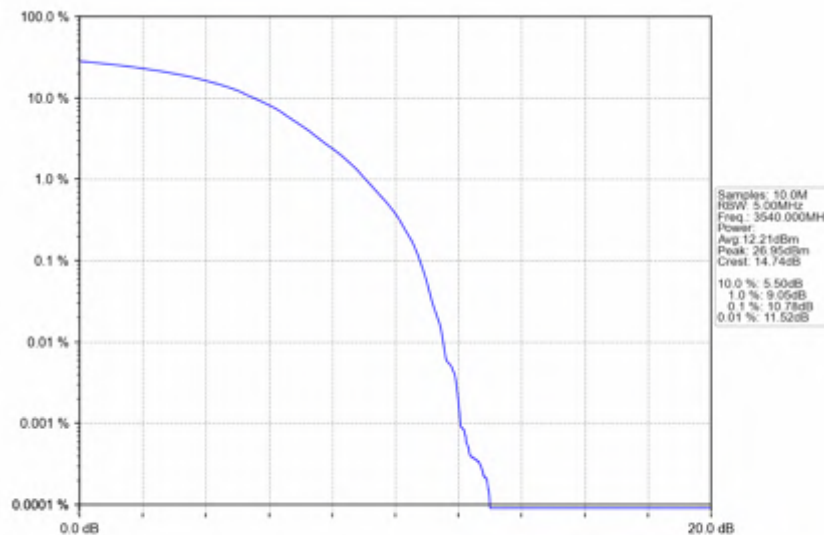
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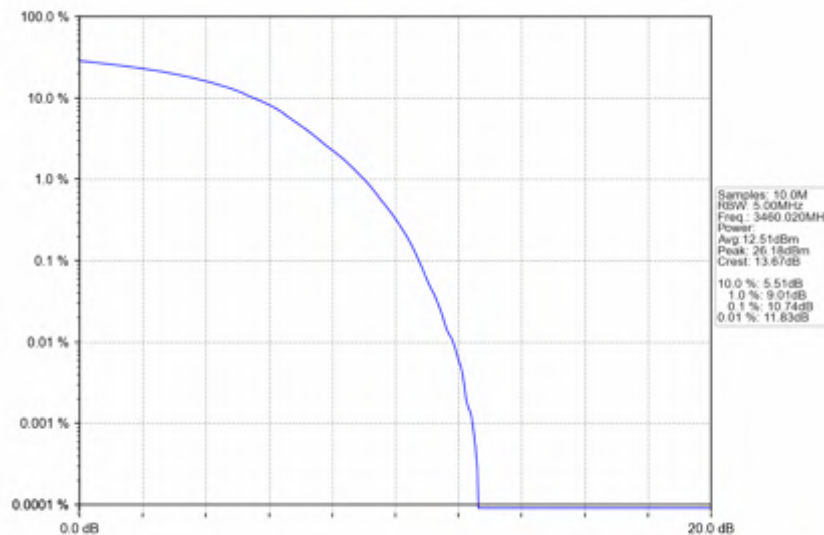
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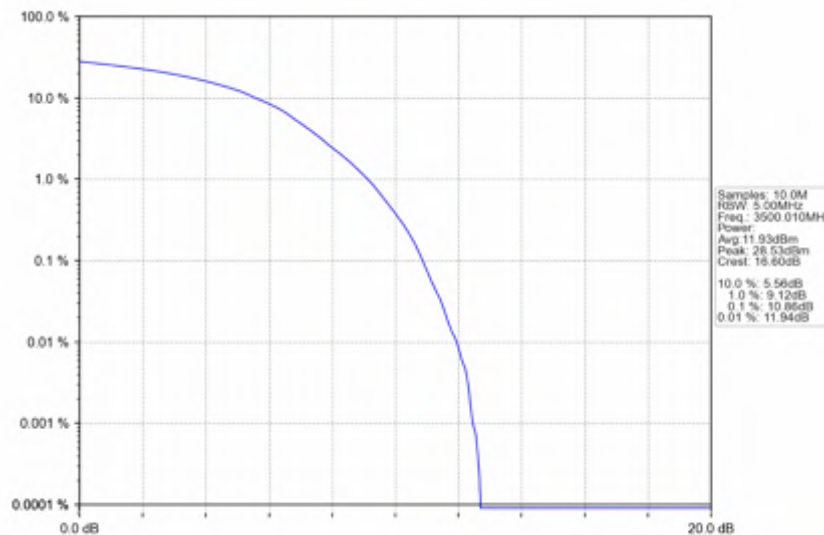
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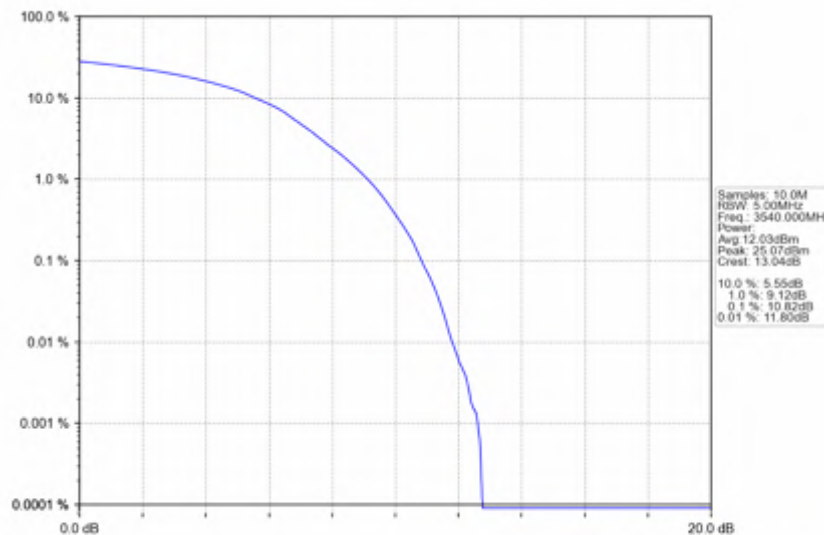
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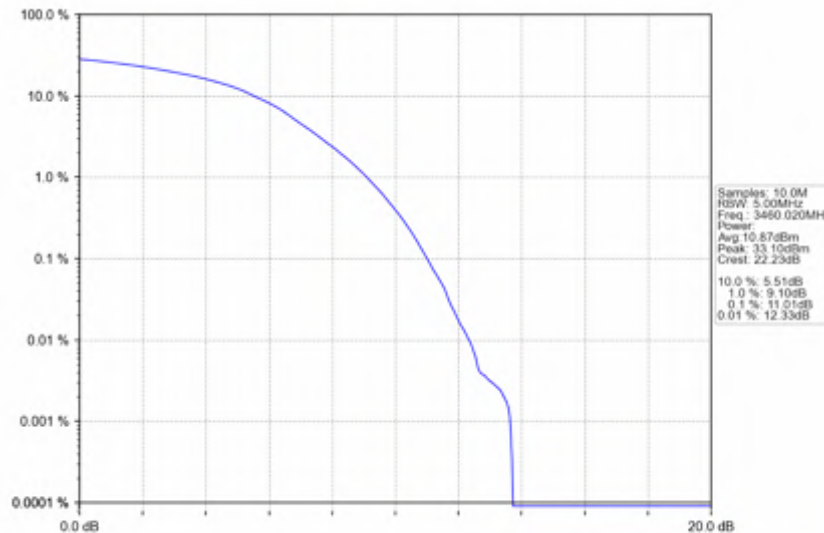


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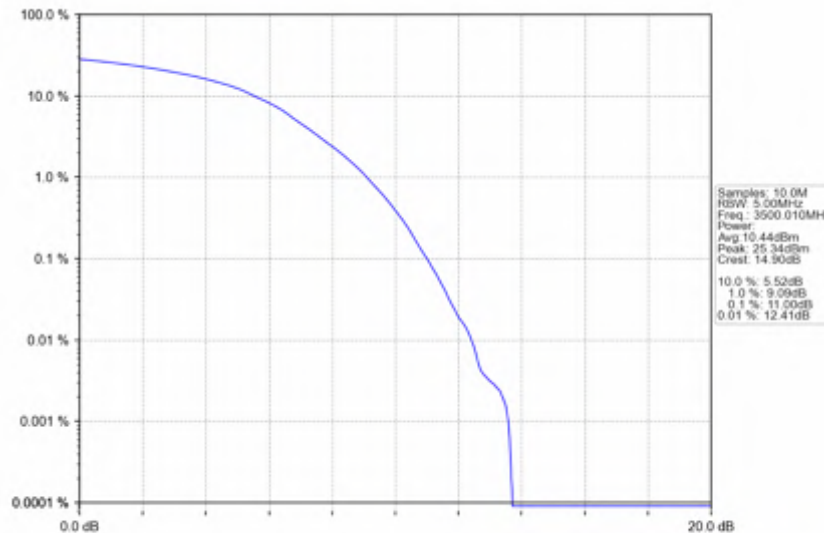
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n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3460.02MHz_Outer_Full



n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full

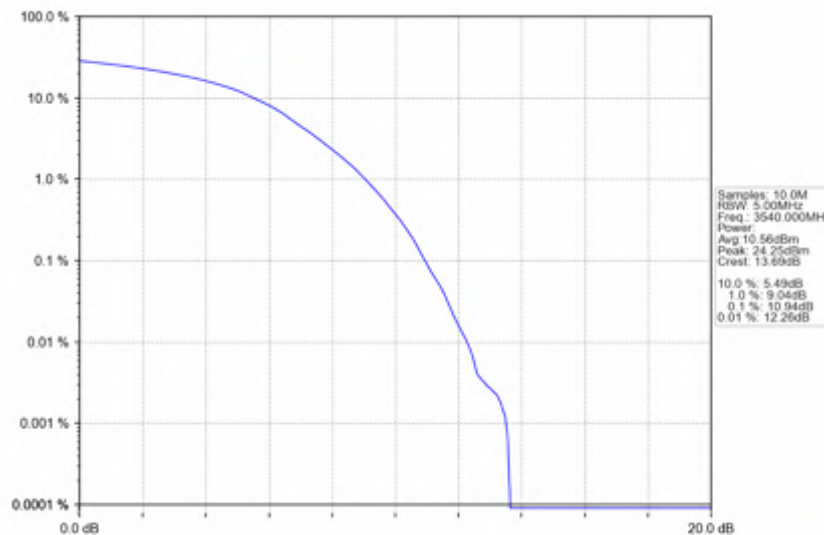


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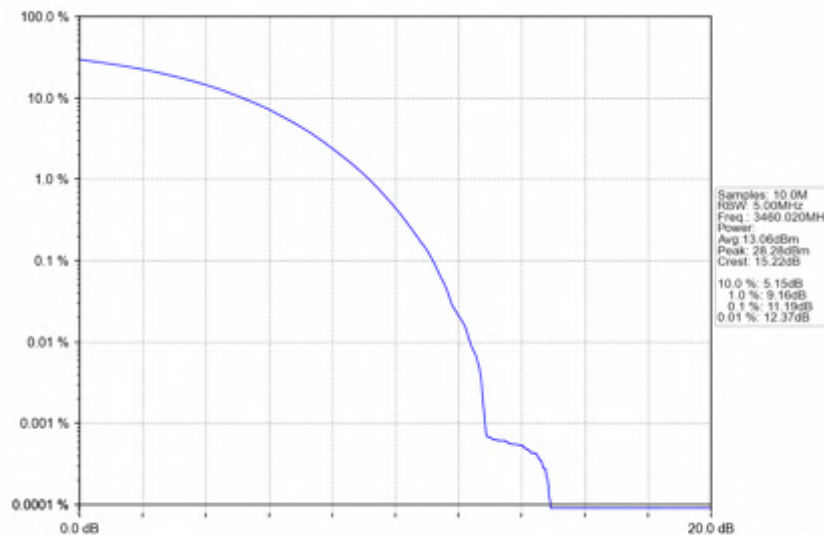
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n78e_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3540MHz_Outer_Full



n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Outer_Full

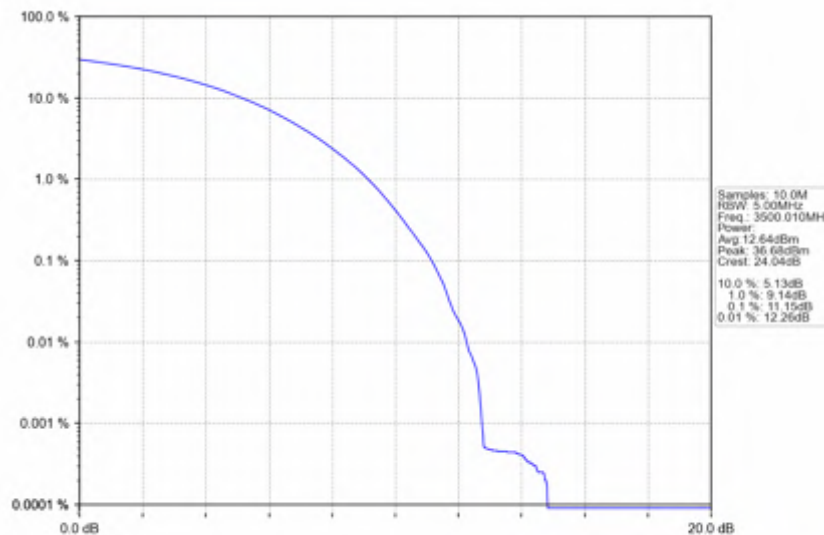


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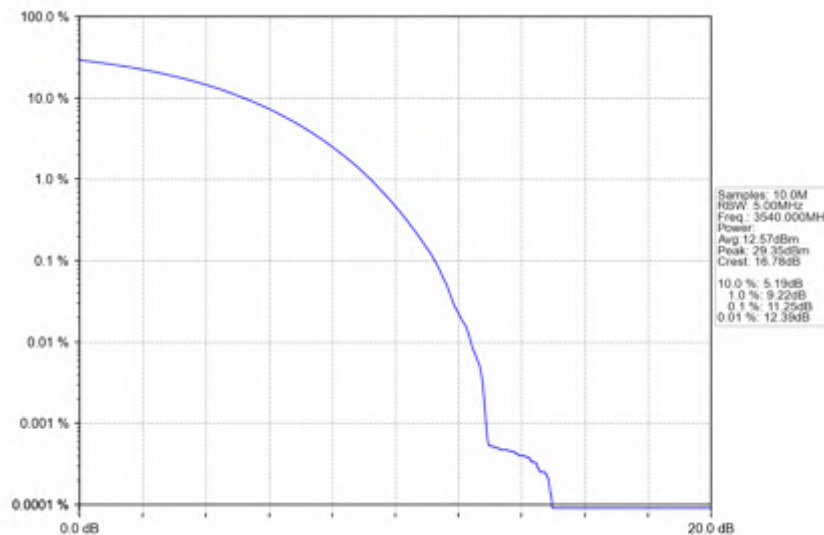
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n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3500.01MHz_Outer_Full



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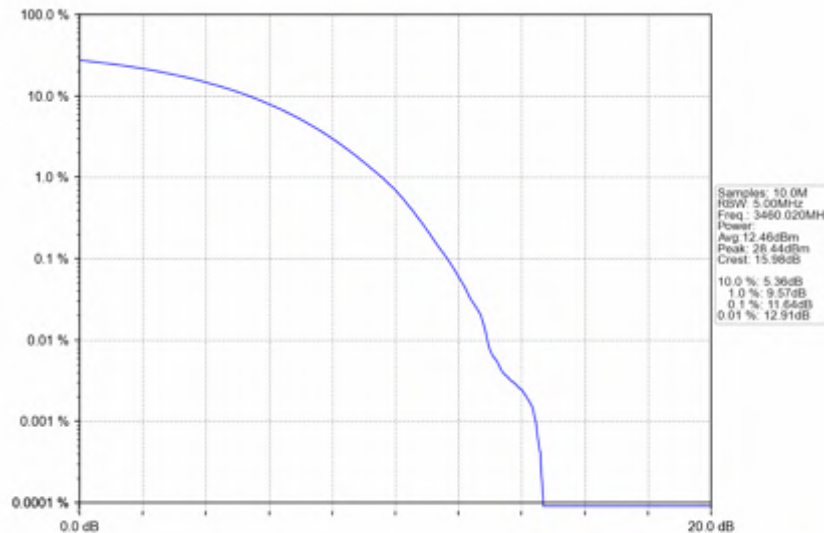
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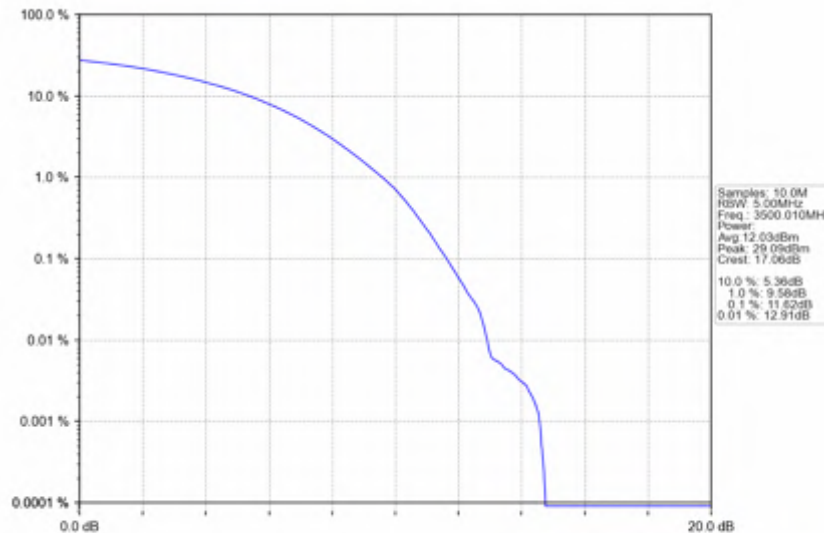
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n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full



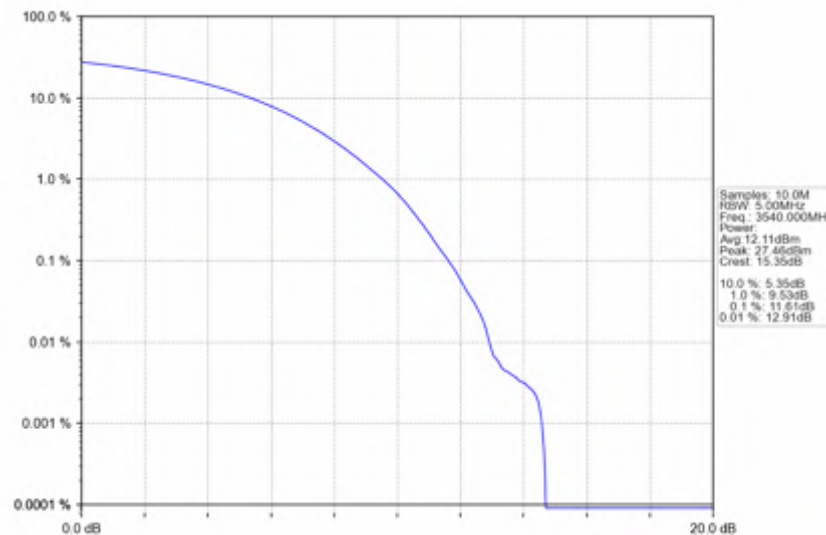
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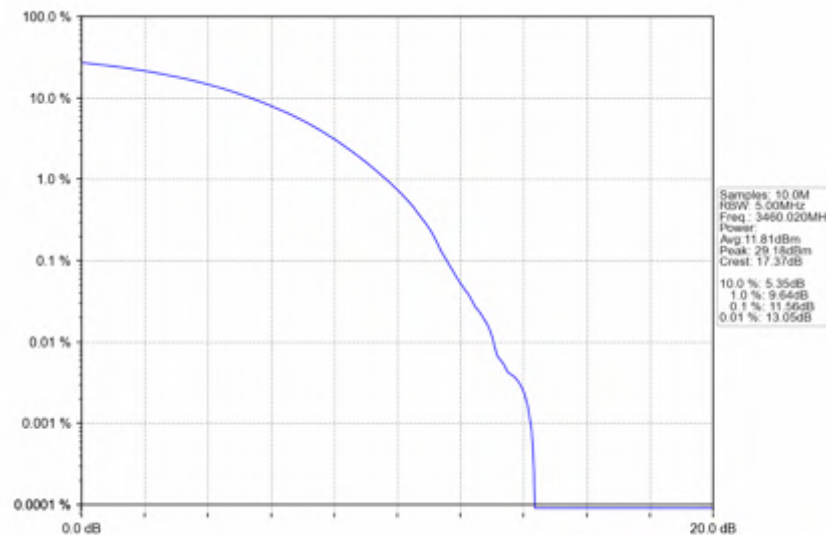
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n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3540MHz_Outer_Full



n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3460.02MHz_Outer_Full

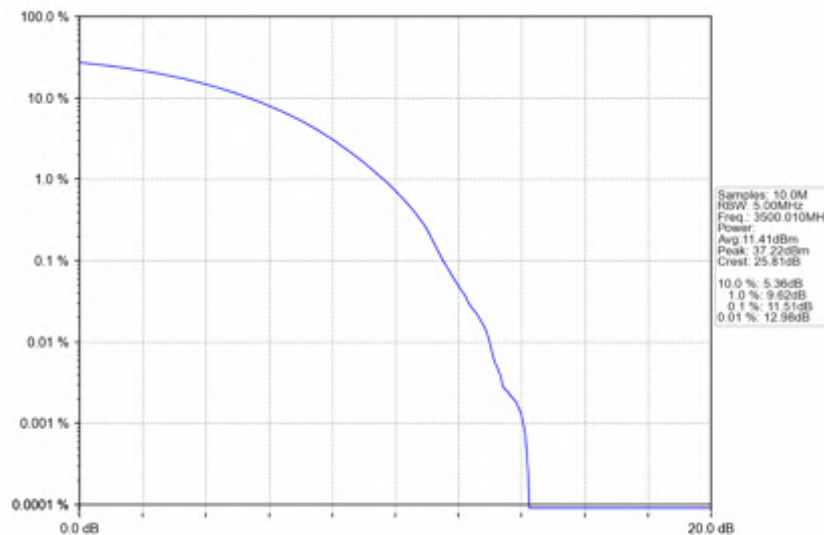


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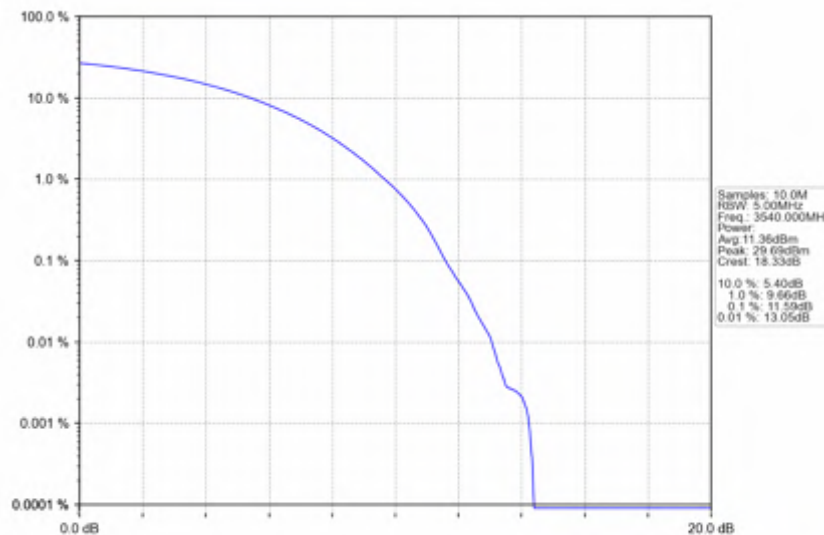
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n78e_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3540MHz_Outer_Full

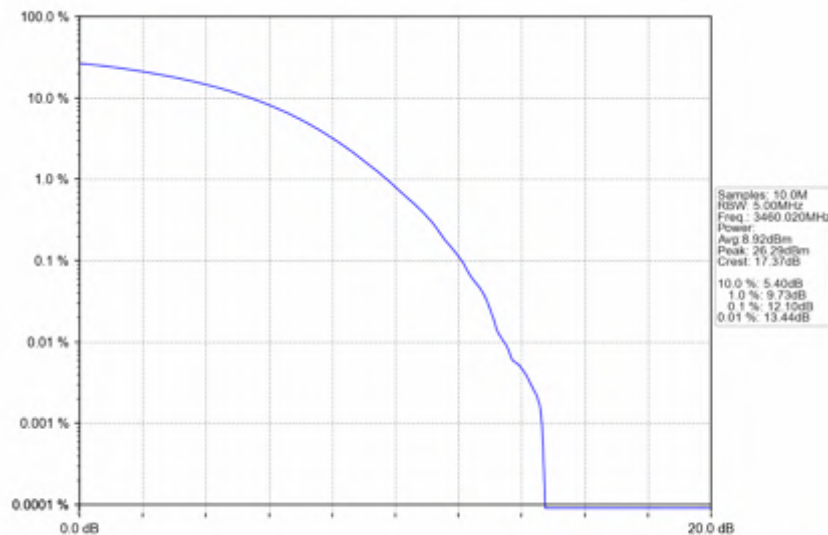


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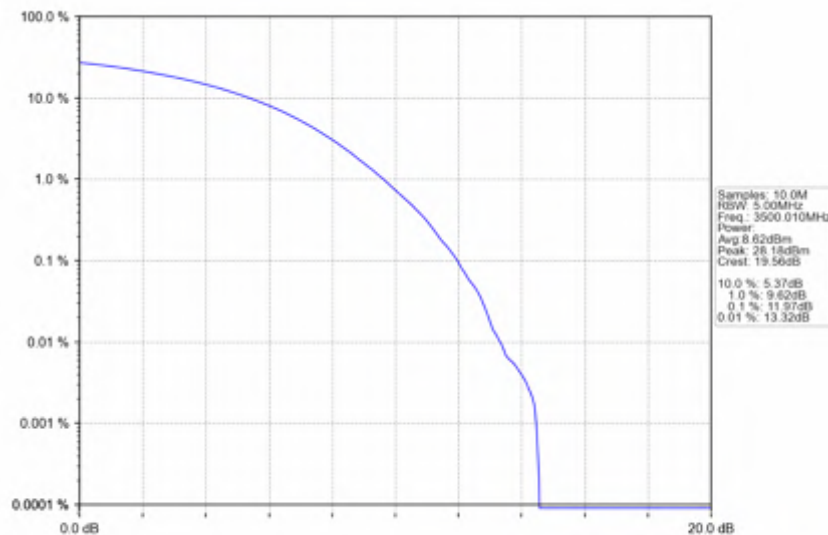
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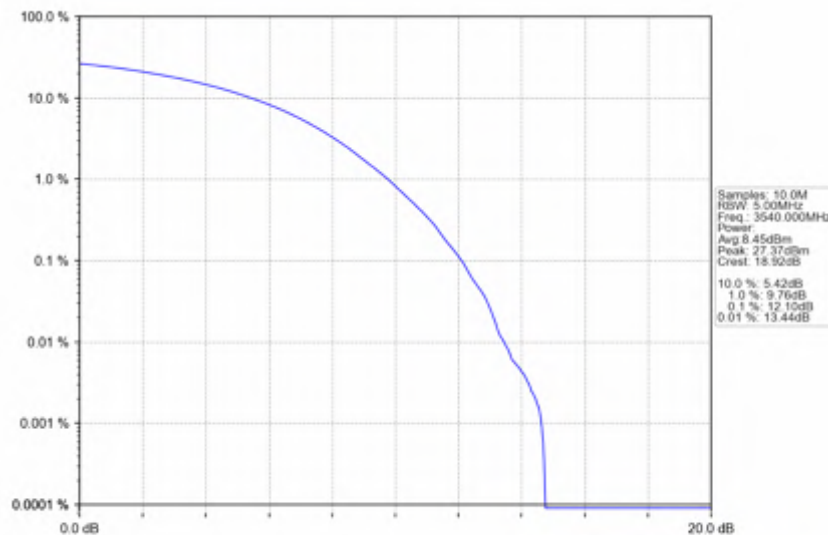


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9.11 30k_SISO_25MHz_NTNV

9.11.1 Test Result

5G NR n78e SCS=30kHz SISO 25MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3462.51	Outer_Full	10.24	/	/	<=13	Pass
	3500.01	Outer_Full	10.16	/	/	<=13	Pass
	3537.48	Outer_Full	10.17	/	/	<=13	Pass
DFT-s-OFDM QPSK	3462.51	Outer_Full	10.66	/	/	<=13	Pass
	3500.01	Outer_Full	10.65	/	/	<=13	Pass
	3537.48	Outer_Full	10.60	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3462.51	Outer_Full	10.97	/	/	<=13	Pass
	3500.01	Outer_Full	11.07	/	/	<=13	Pass
	3537.48	Outer_Full	11.02	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3462.51	Outer_Full	11.09	/	/	<=13	Pass
	3500.01	Outer_Full	11.07	/	/	<=13	Pass
	3537.48	Outer_Full	11.07	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3462.51	Outer_Full	10.90	/	/	<=13	Pass
	3500.01	Outer_Full	10.89	/	/	<=13	Pass
	3537.48	Outer_Full	10.90	/	/	<=13	Pass
CP-OFDM QPSK	3462.51	Outer_Full	11.78	/	/	<=13	Pass
	3500.01	Outer_Full	11.61	/	/	<=13	Pass
	3537.48	Outer_Full	11.61	/	/	<=13	Pass
CP-OFDM 16 QAM	3462.51	Outer_Full	12.07	/	/	<=13	Pass
	3500.01	Outer_Full	11.96	/	/	<=13	Pass
	3537.48	Outer_Full	11.89	/	/	<=13	Pass
CP-OFDM 64 QAM	3462.51	Outer_Full	11.86	/	/	<=13	Pass
	3500.01	Outer_Full	11.67	/	/	<=13	Pass
	3537.48	Outer_Full	11.64	/	/	<=13	Pass
CP-OFDM 256 QAM	3462.51	Outer_Full	12.04	/	/	<=13	Pass
	3500.01	Outer_Full	11.91	/	/	<=13	Pass
	3537.48	Outer_Full	11.89	/	/	<=13	Pass



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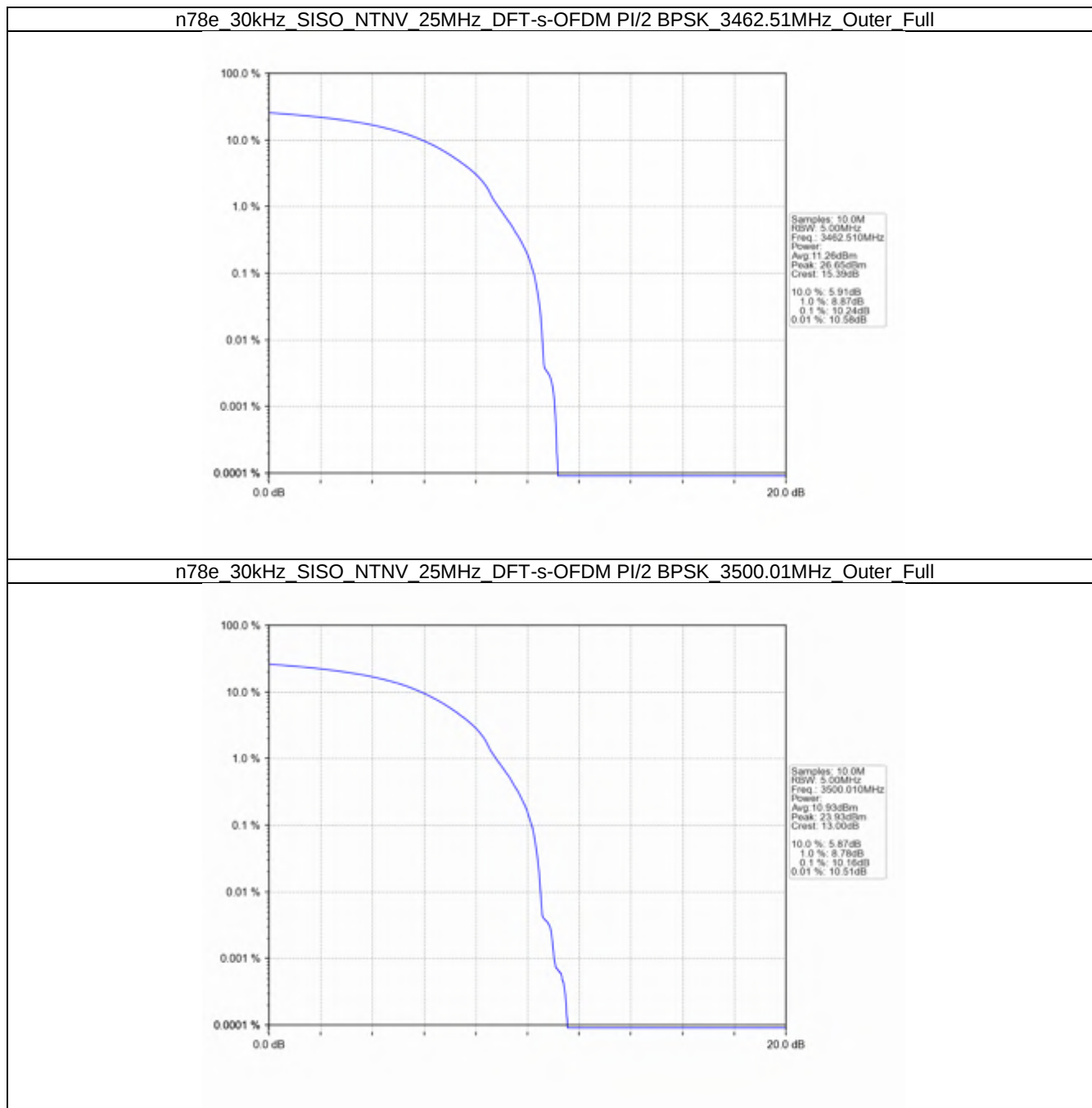
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9.11.2 Test Graph



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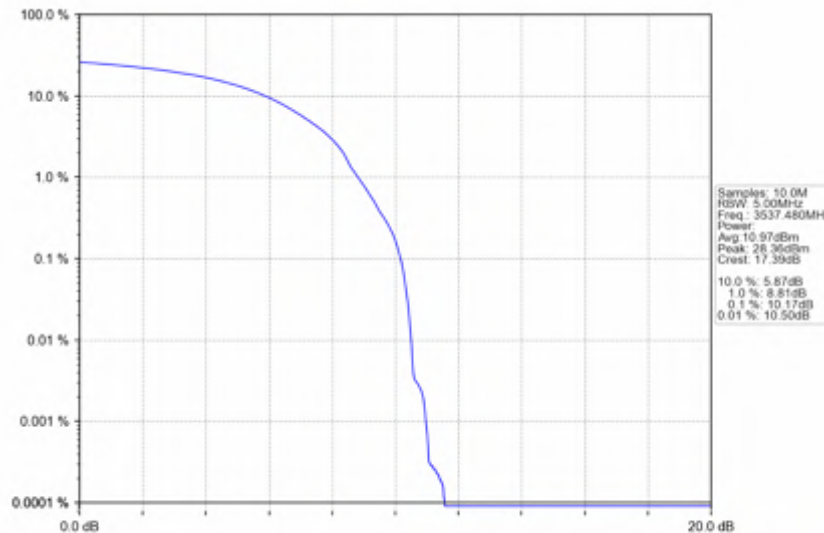
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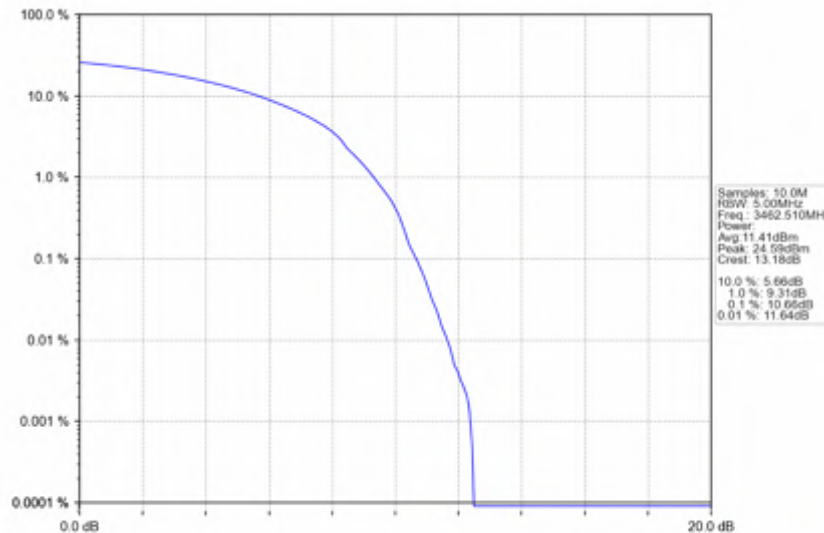
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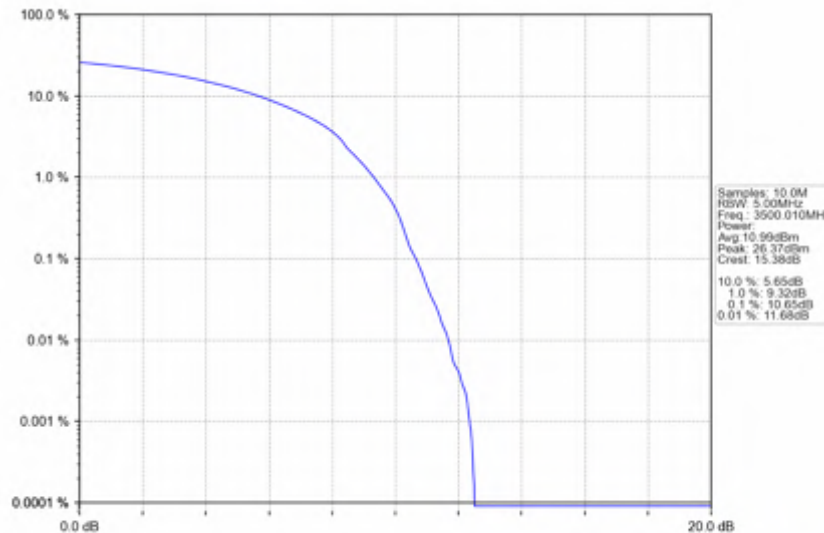
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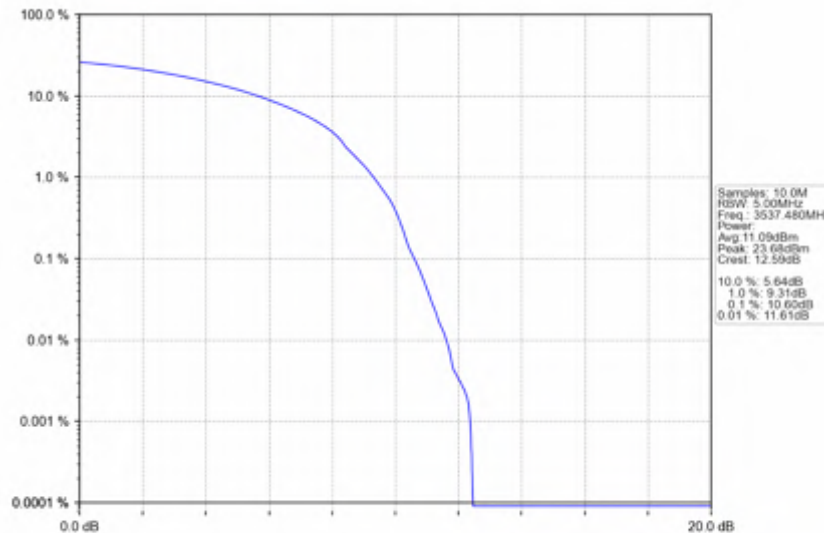
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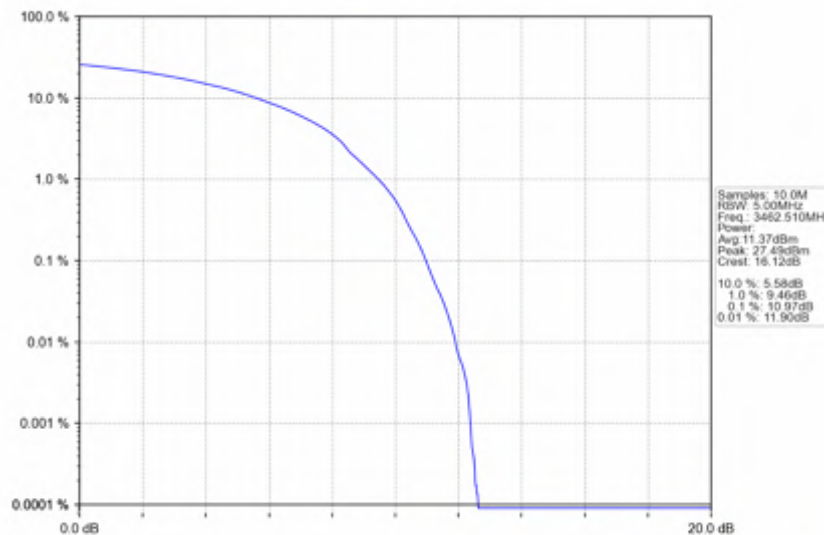


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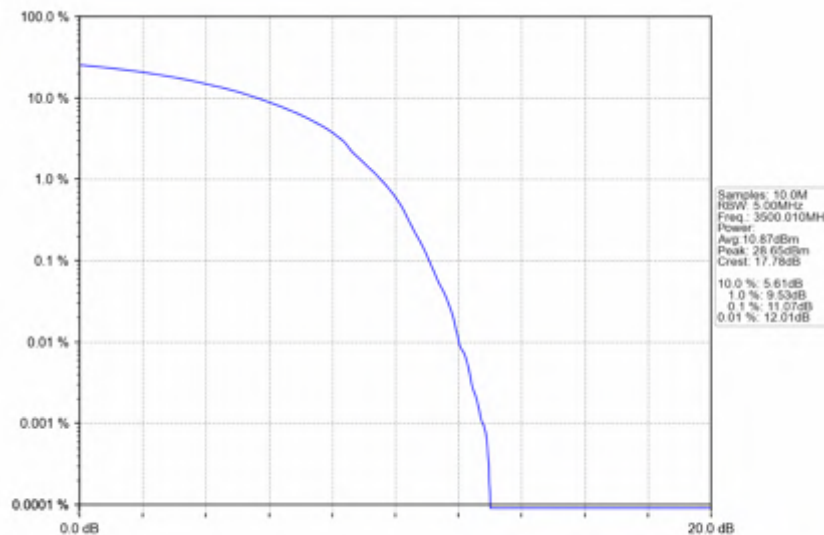
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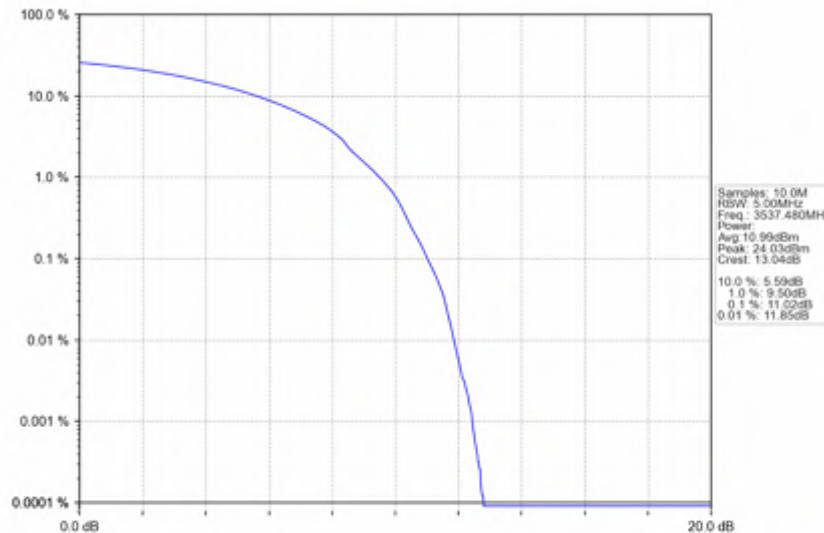


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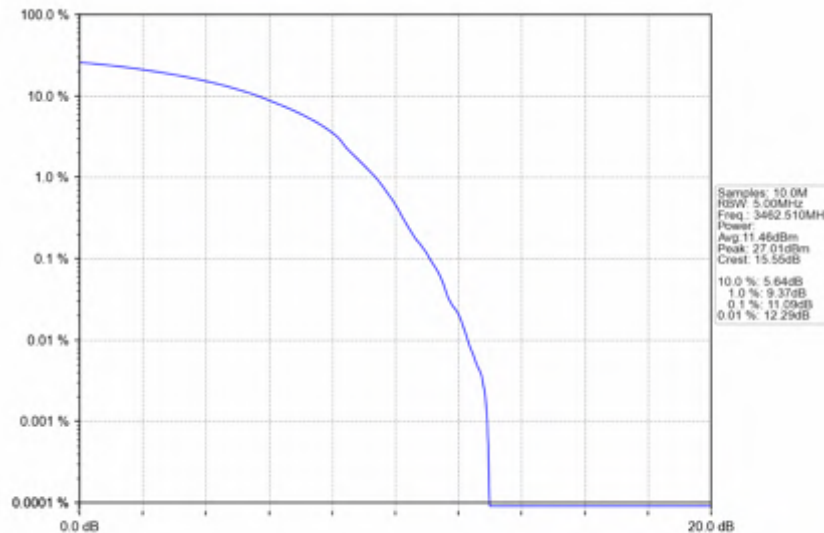
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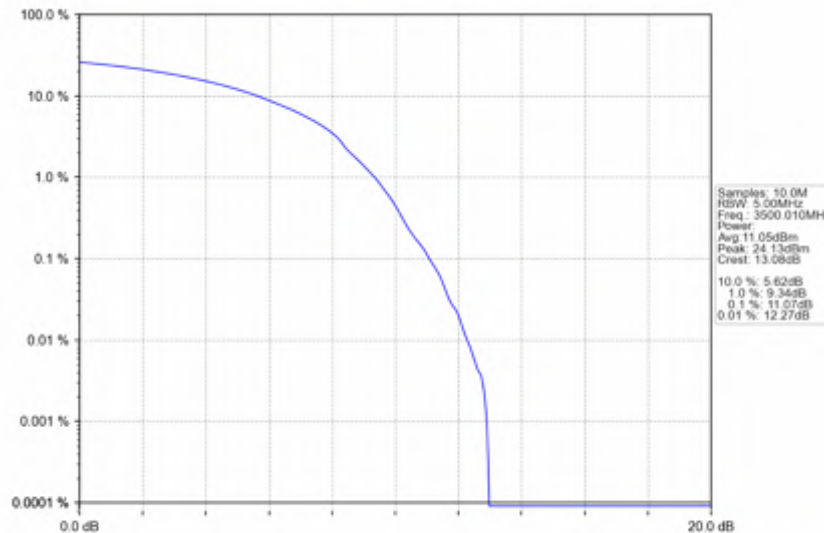


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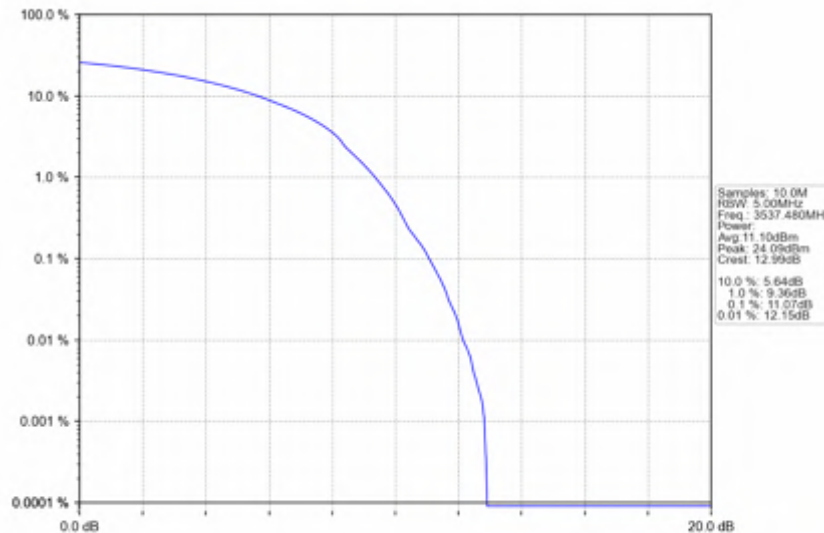
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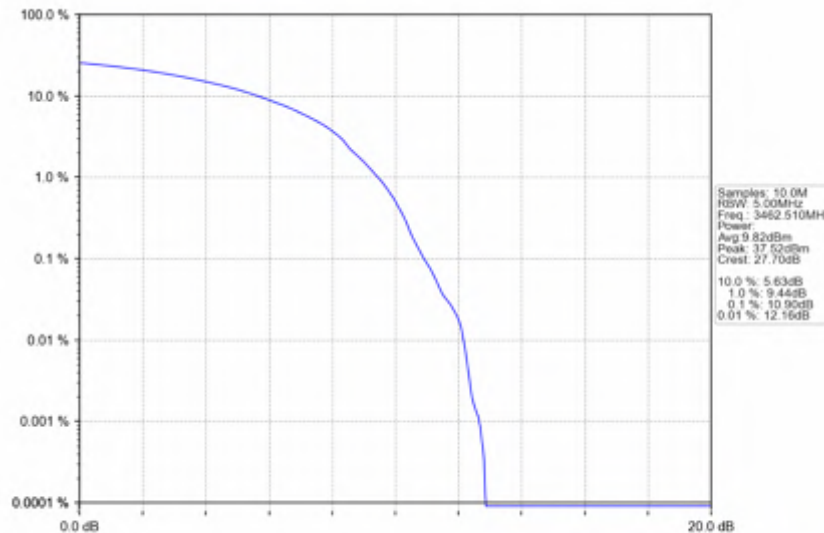


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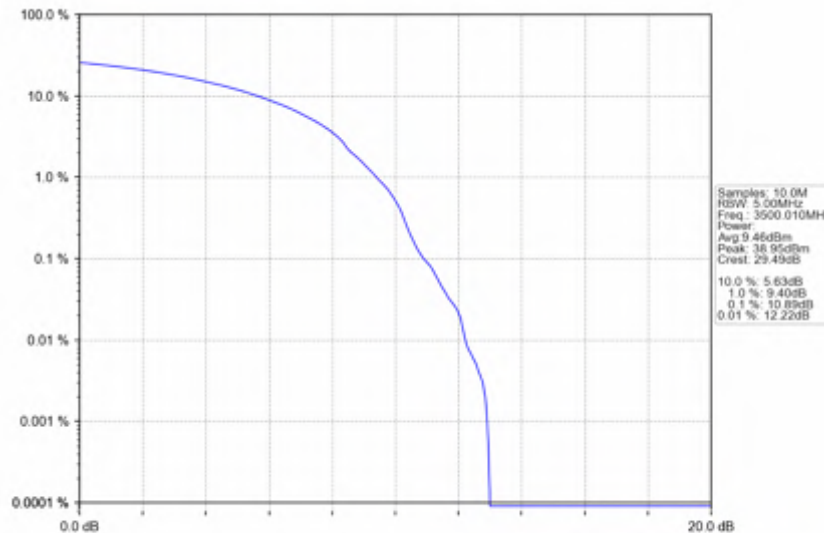
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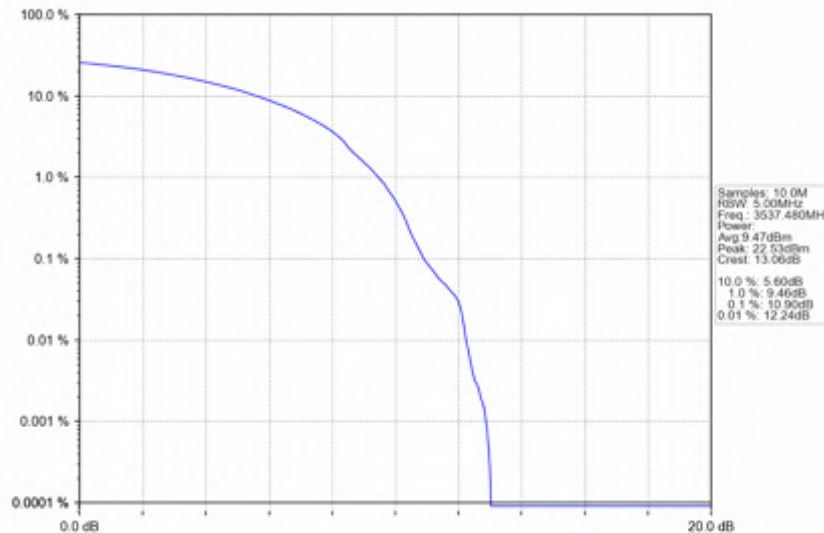


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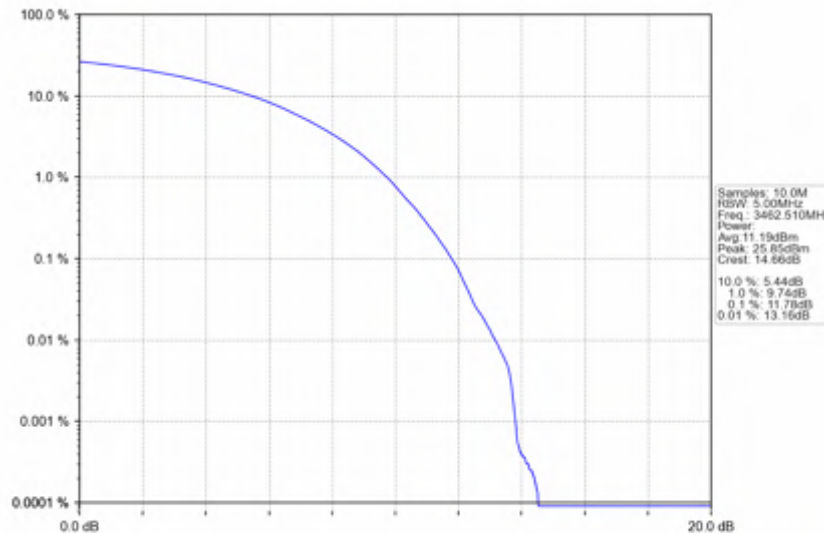
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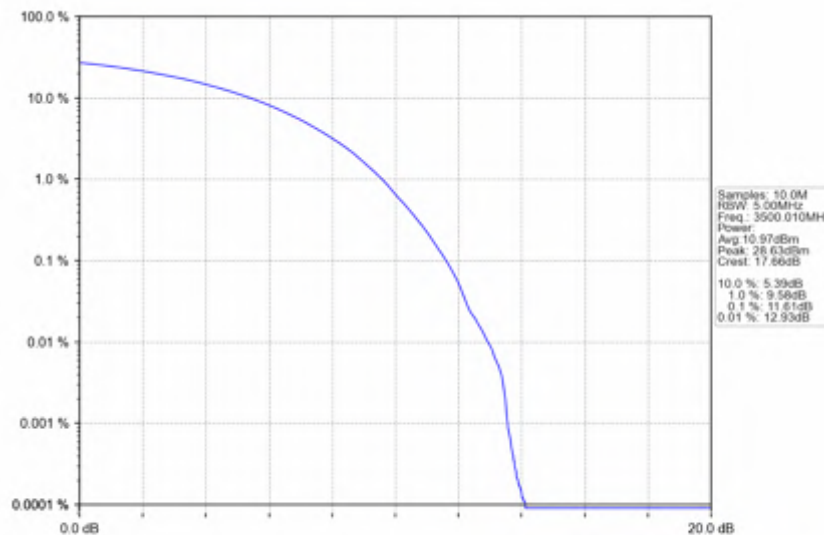
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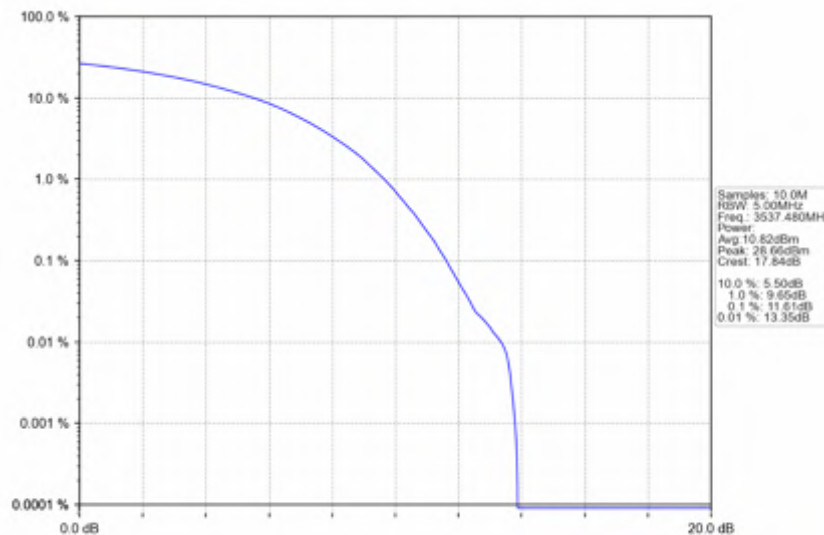
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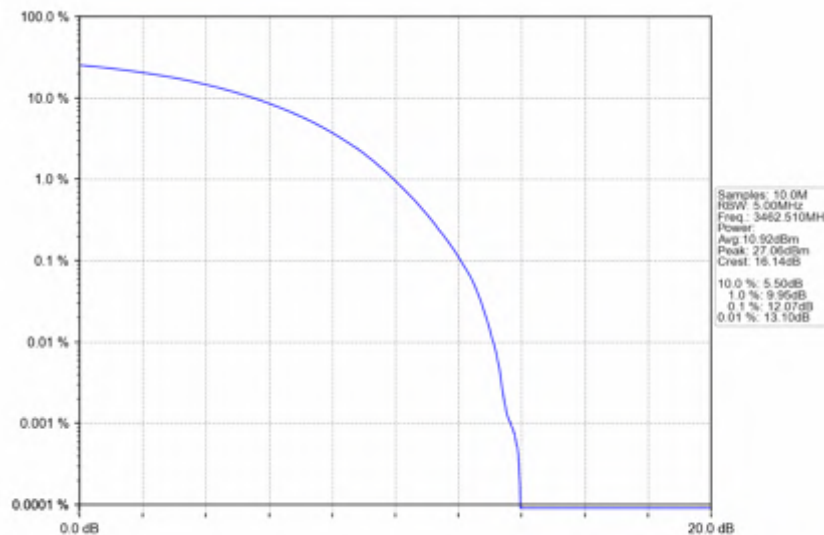


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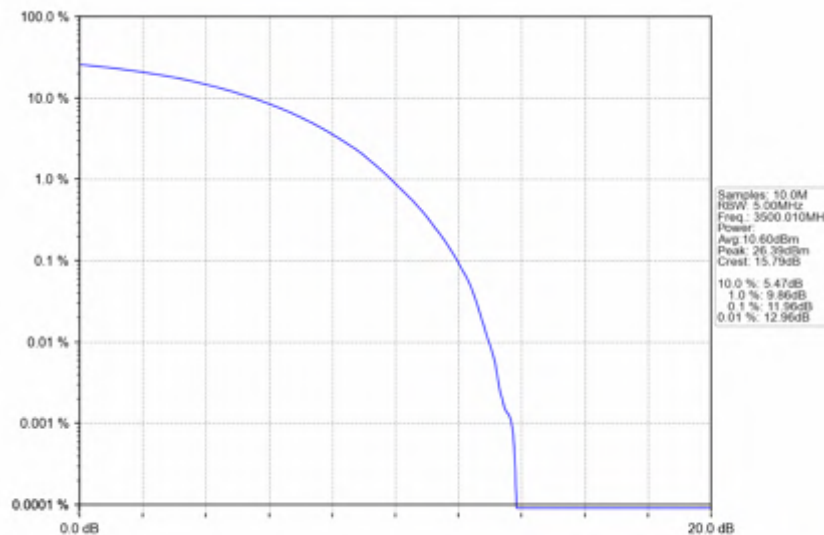
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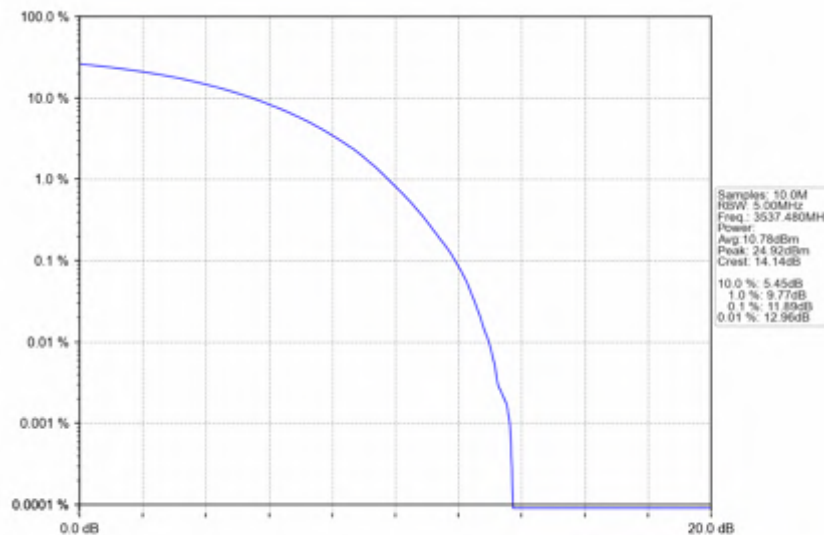
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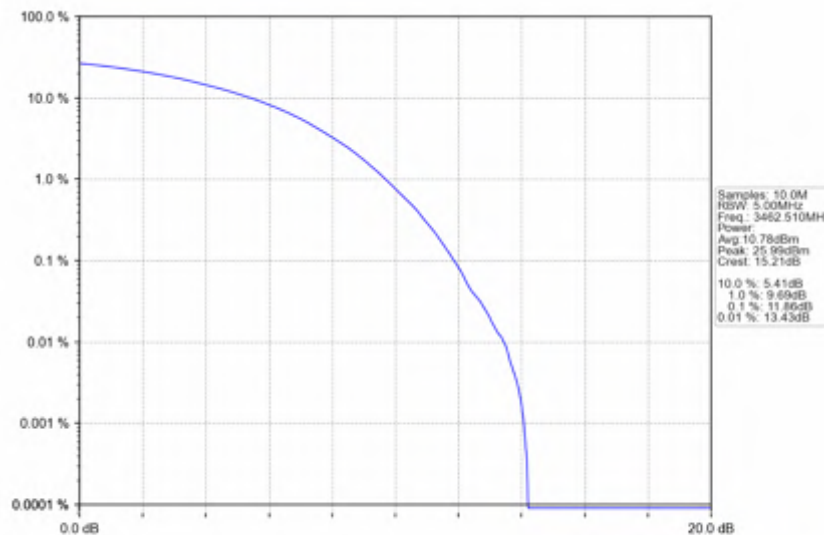
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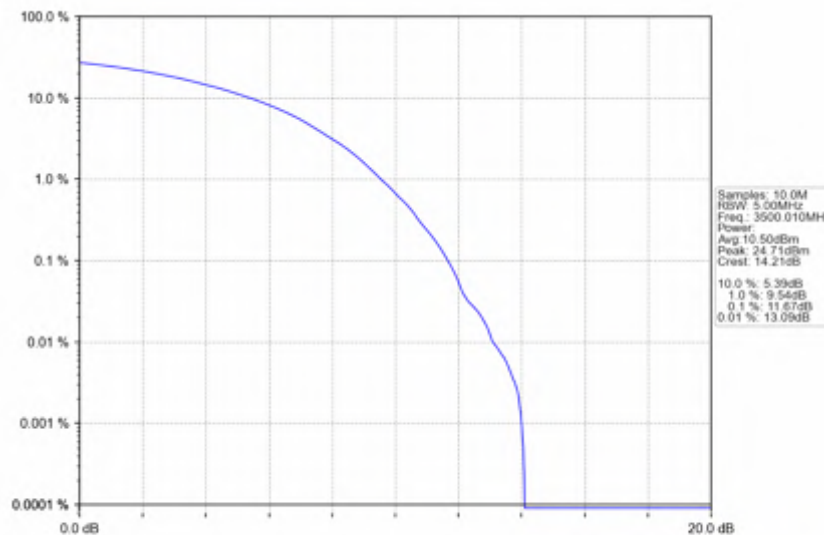


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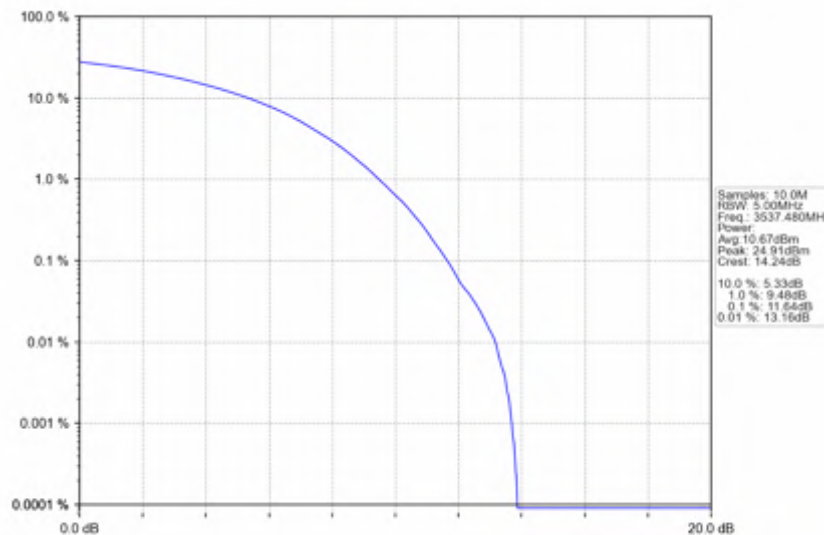
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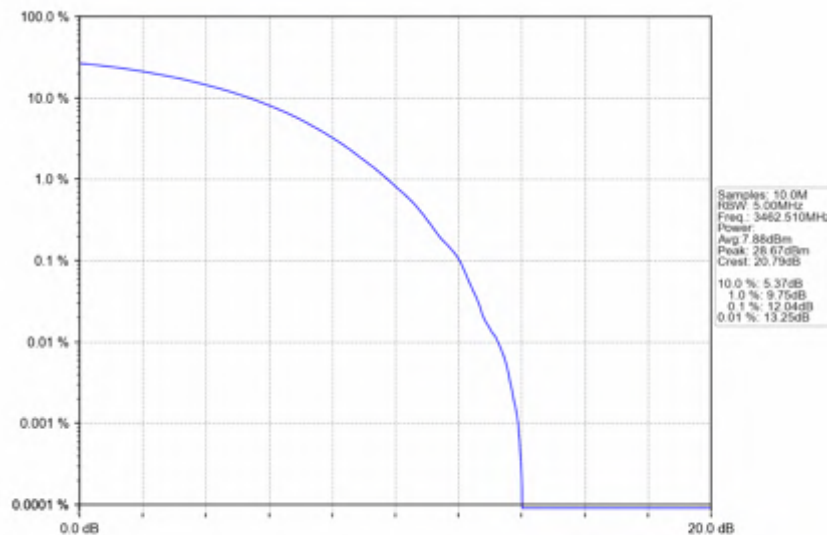
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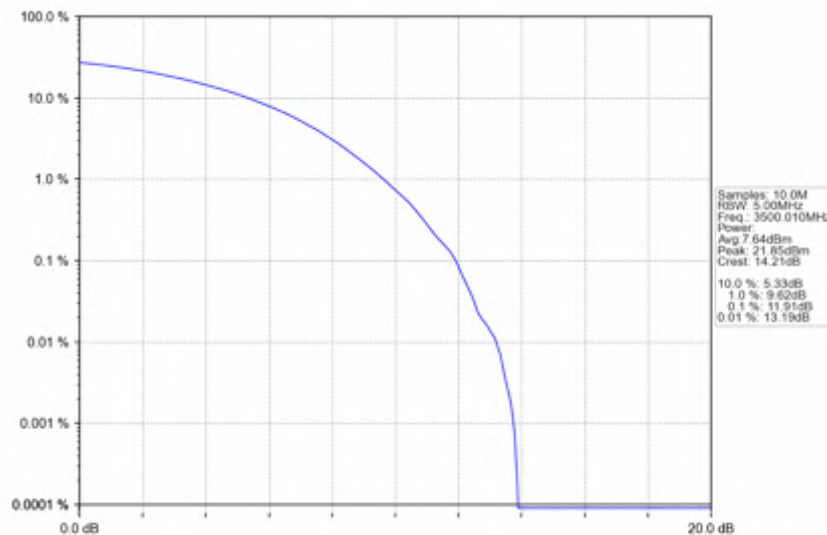
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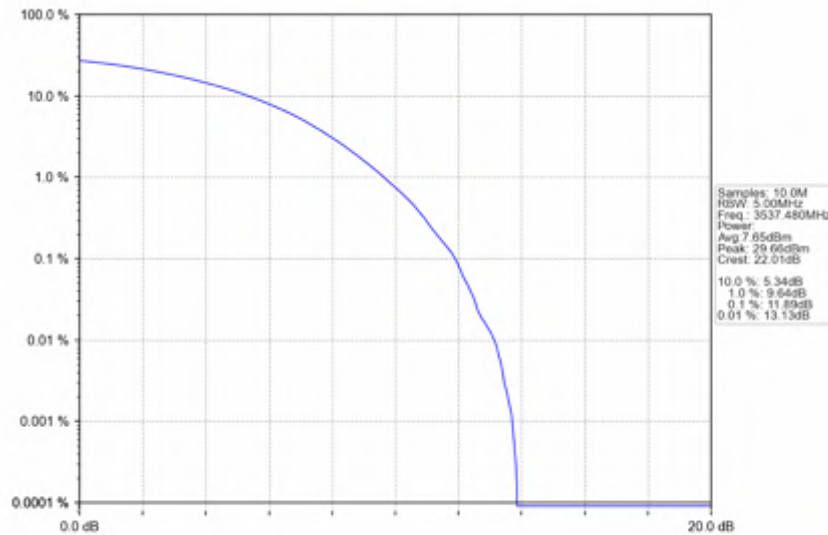


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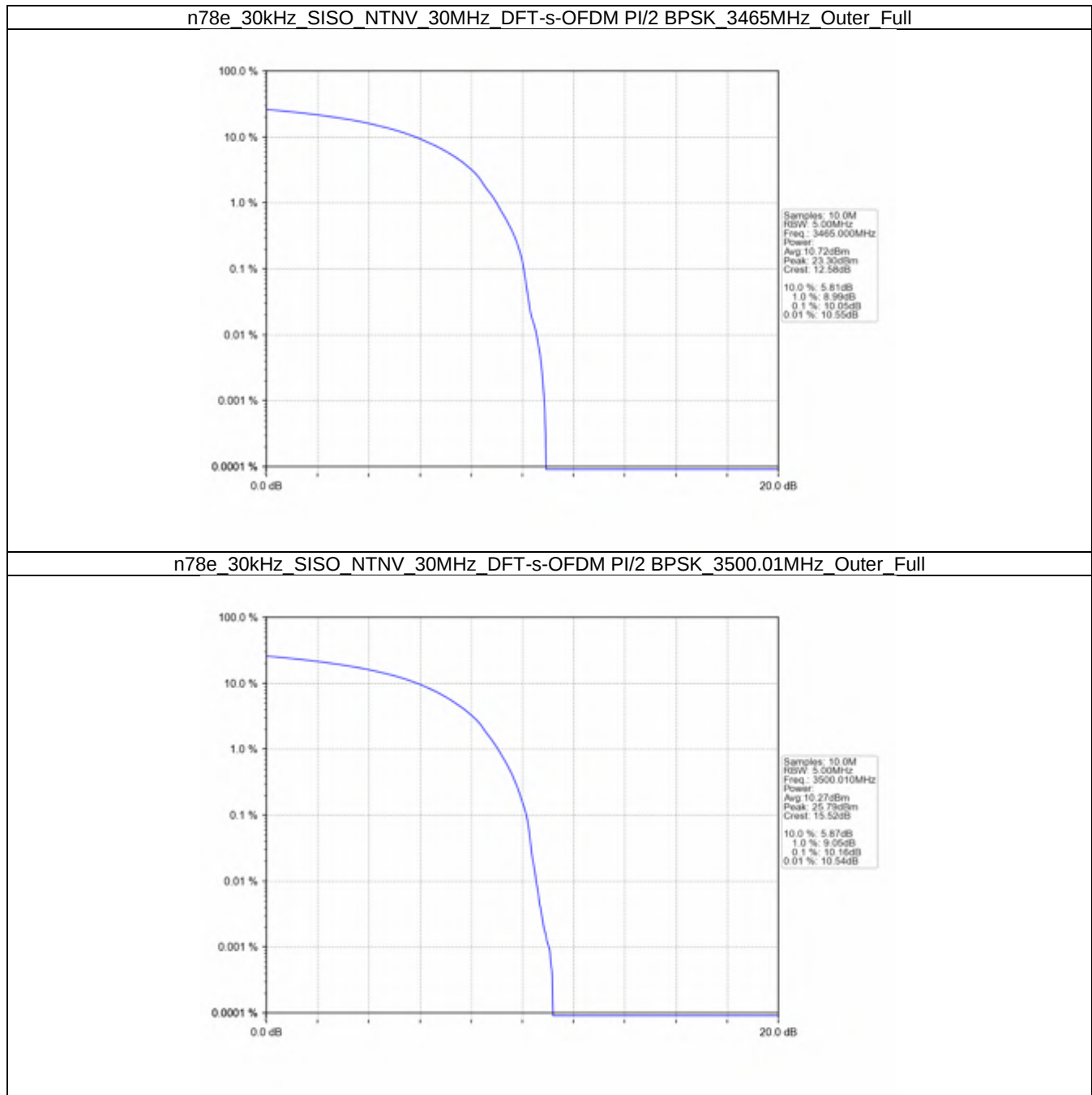
9.12 30k_SISO_30MHz_NTNV

9.12.1 Test Result

5G NR n78e SCS=30kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3465	Outer_Full	10.05	/	/	<=13	Pass
	3500.01	Outer_Full	10.16	/	/	<=13	Pass
	3534.99	Outer_Full	10.12	/	/	<=13	Pass
DFT-s-OFDM QPSK	3465	Outer_Full	10.70	/	/	<=13	Pass
	3500.01	Outer_Full	10.56	/	/	<=13	Pass
	3534.99	Outer_Full	10.64	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3465	Outer_Full	11.08	/	/	<=13	Pass
	3500.01	Outer_Full	11.17	/	/	<=13	Pass
	3534.99	Outer_Full	11.22	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3465	Outer_Full	11.25	/	/	<=13	Pass
	3500.01	Outer_Full	11.20	/	/	<=13	Pass
	3534.99	Outer_Full	11.17	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3465	Outer_Full	11.22	/	/	<=13	Pass
	3500.01	Outer_Full	11.23	/	/	<=13	Pass
	3534.99	Outer_Full	11.31	/	/	<=13	Pass
CP-OFDM QPSK	3465	Outer_Full	11.02	/	/	<=13	Pass
	3500.01	Outer_Full	11.37	/	/	<=13	Pass
	3534.99	Outer_Full	11.68	/	/	<=13	Pass
CP-OFDM 16 QAM	3465	Outer_Full	11.33	/	/	<=13	Pass
	3500.01	Outer_Full	11.47	/	/	<=13	Pass
	3534.99	Outer_Full	11.58	/	/	<=13	Pass
CP-OFDM 64 QAM	3465	Outer_Full	11.67	/	/	<=13	Pass
	3500.01	Outer_Full	11.87	/	/	<=13	Pass
	3534.99	Outer_Full	11.55	/	/	<=13	Pass
CP-OFDM 256 QAM	3465	Outer_Full	11.84	/	/	<=13	Pass
	3500.01	Outer_Full	11.84	/	/	<=13	Pass
	3534.99	Outer_Full	11.80	/	/	<=13	Pass



9.12.2 Test Graph



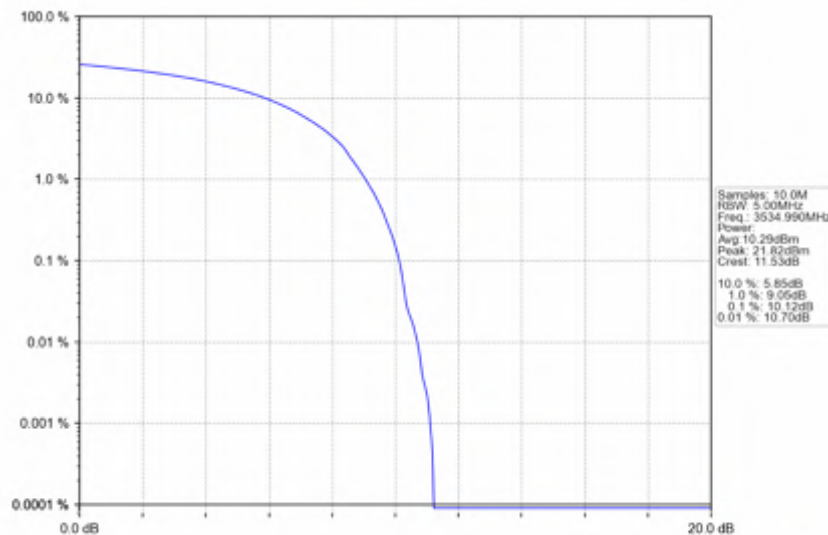
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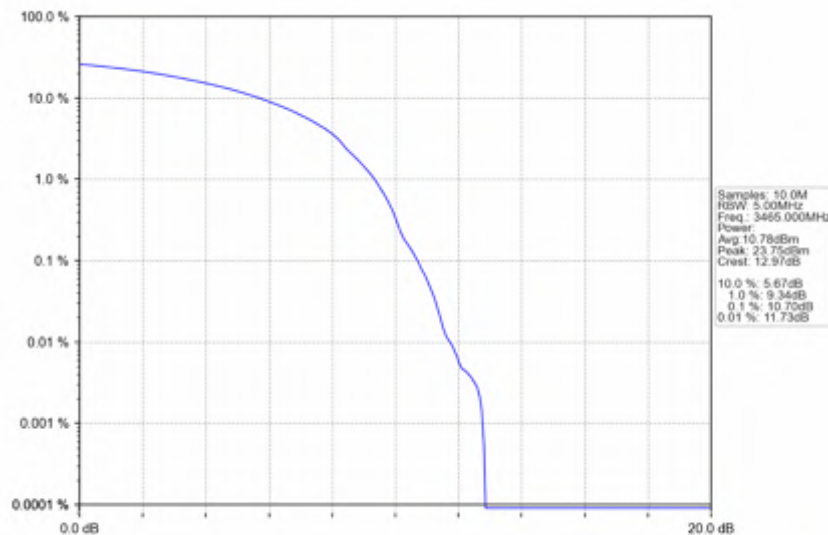
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n78e_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3465MHz_Outer_Full

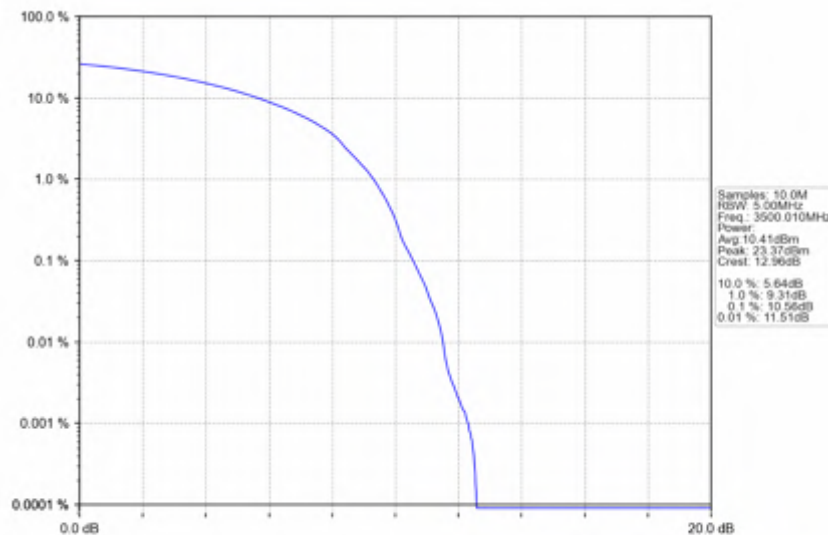


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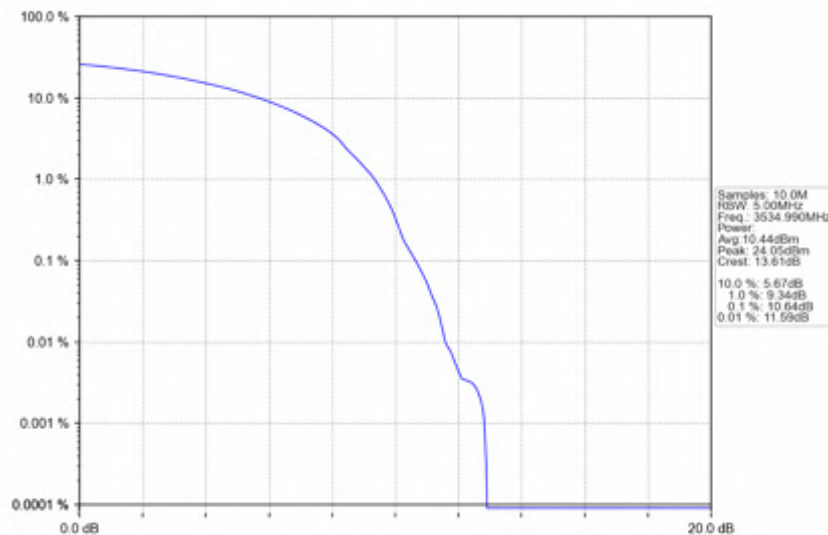
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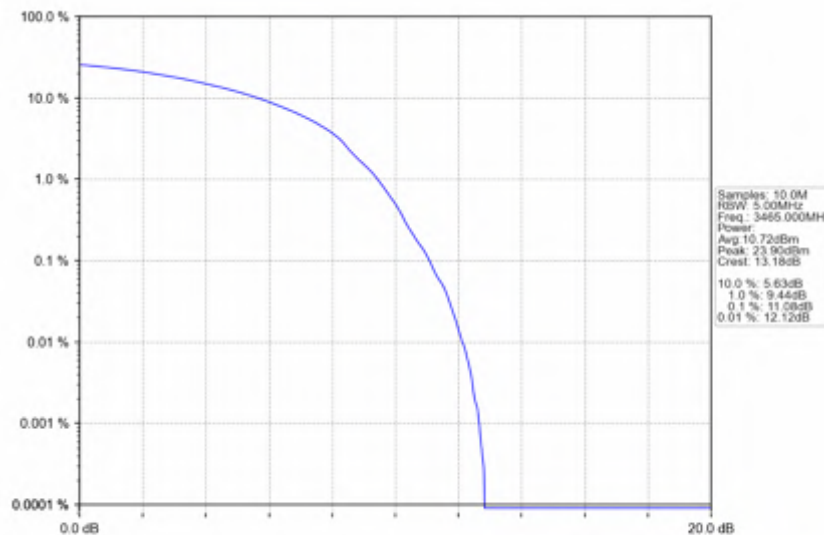


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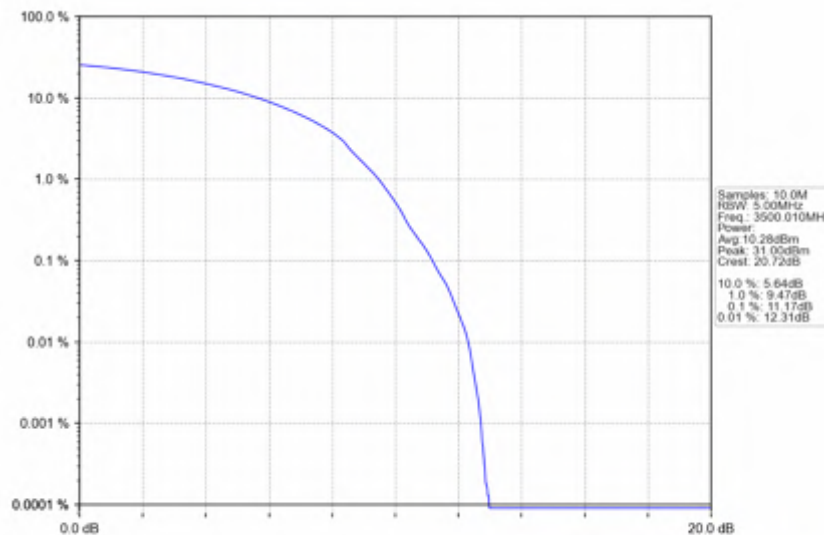
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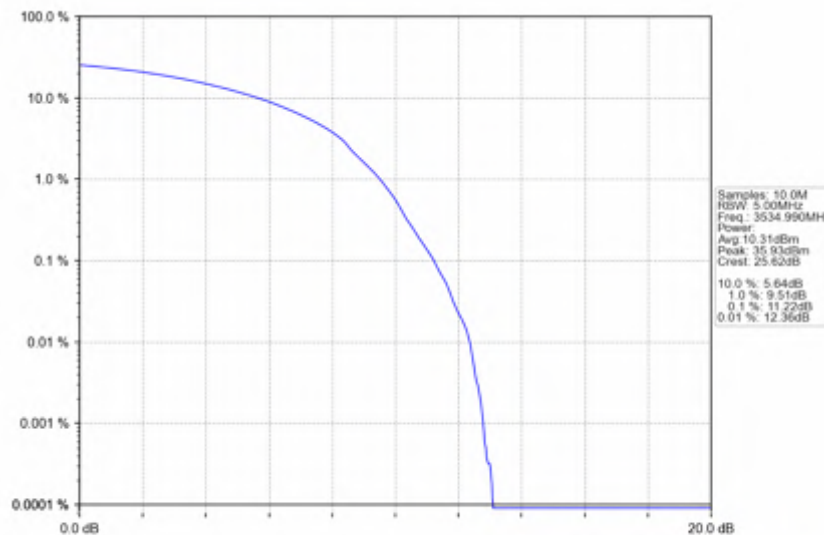


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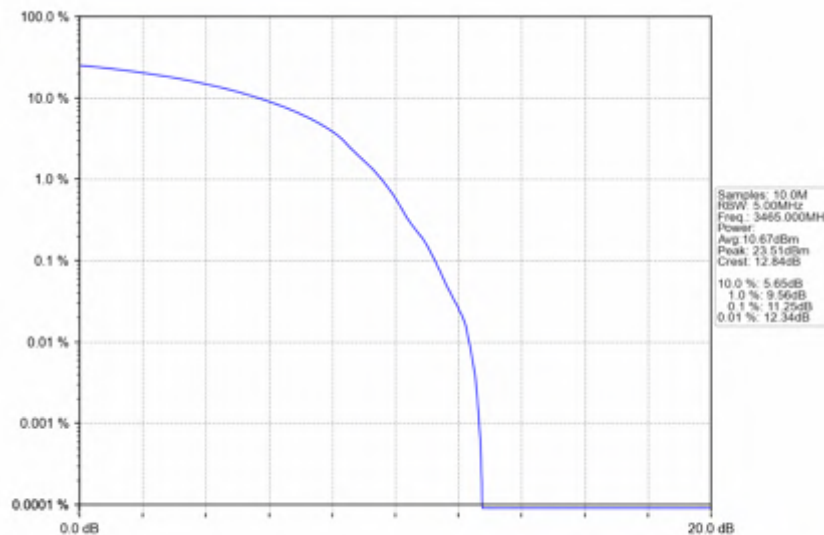
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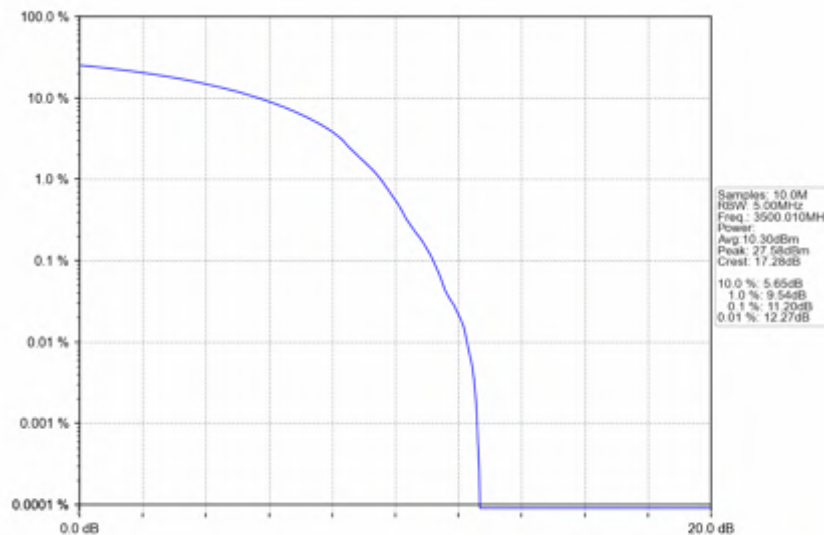


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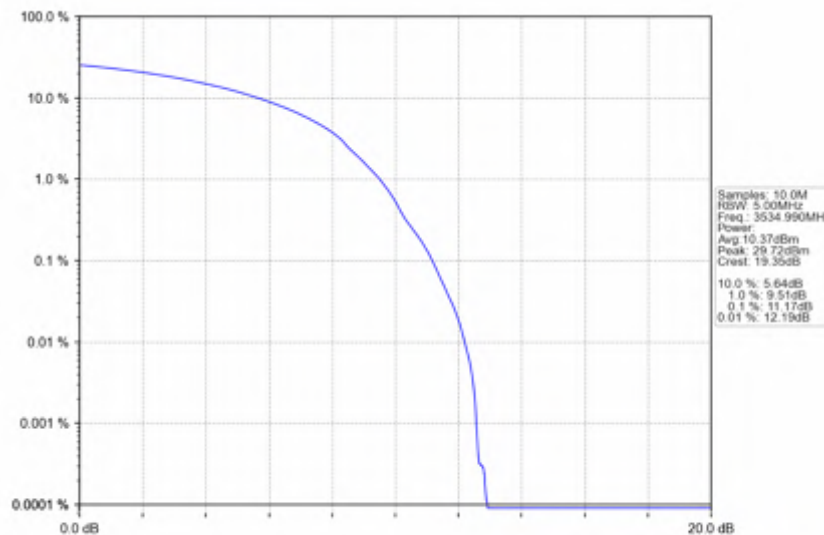
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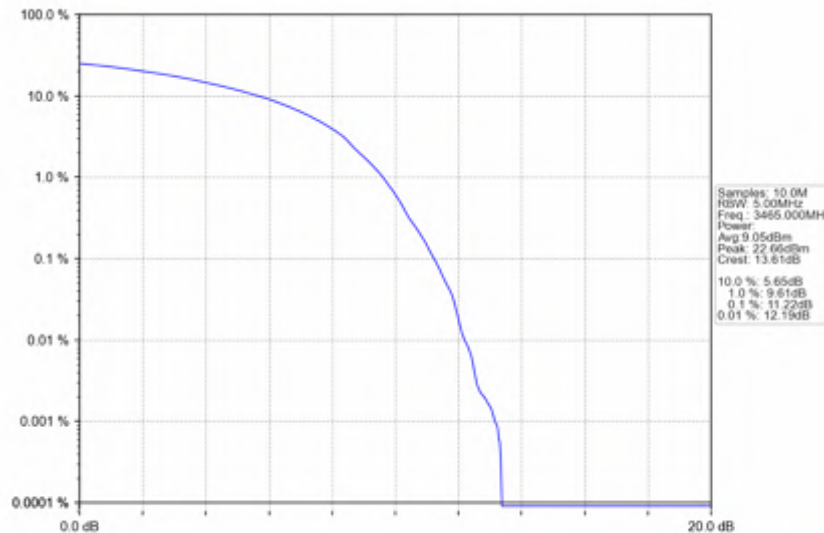
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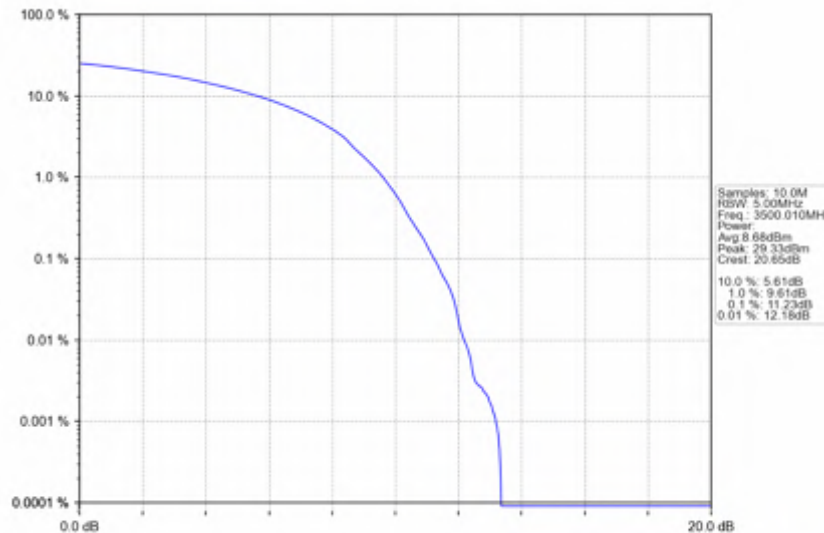
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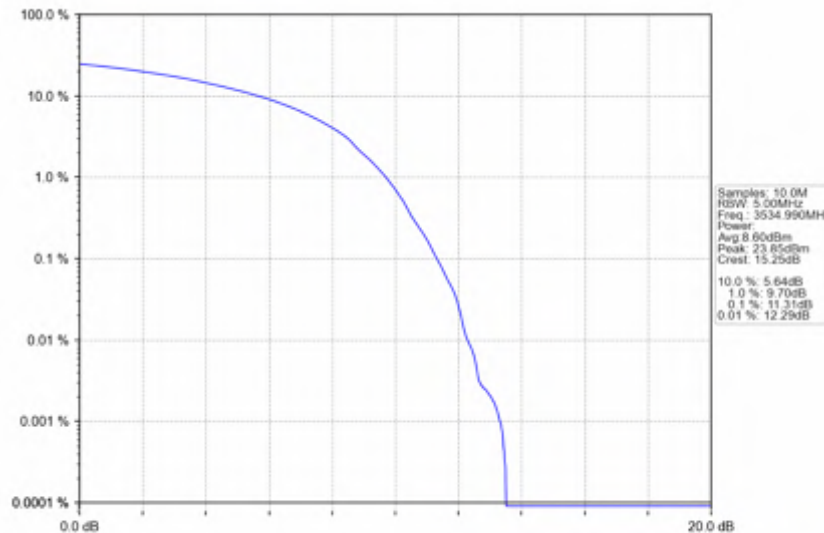
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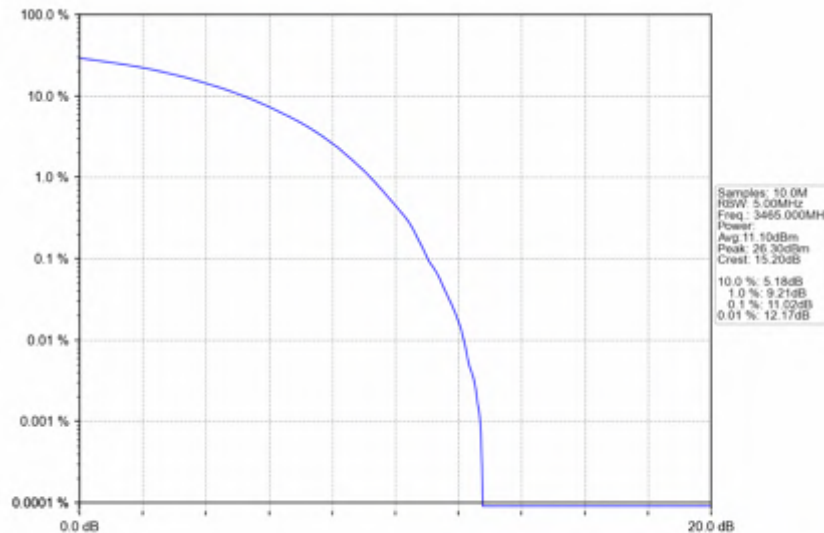
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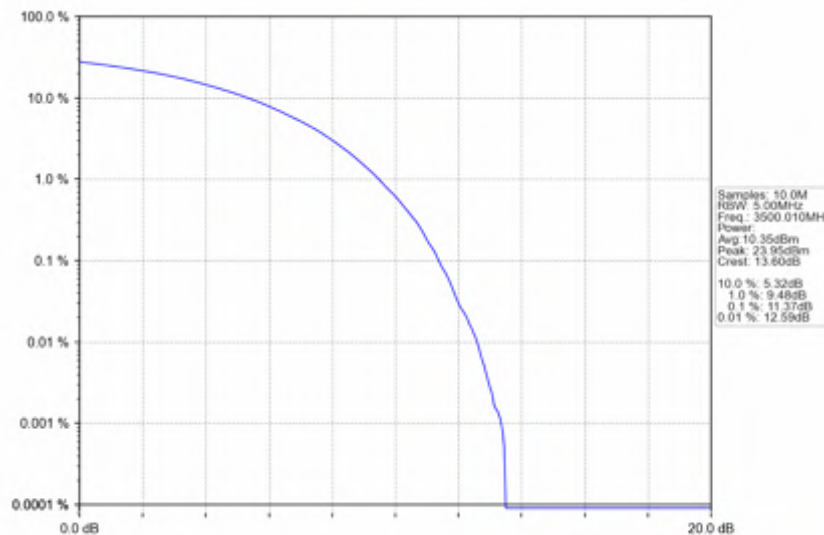
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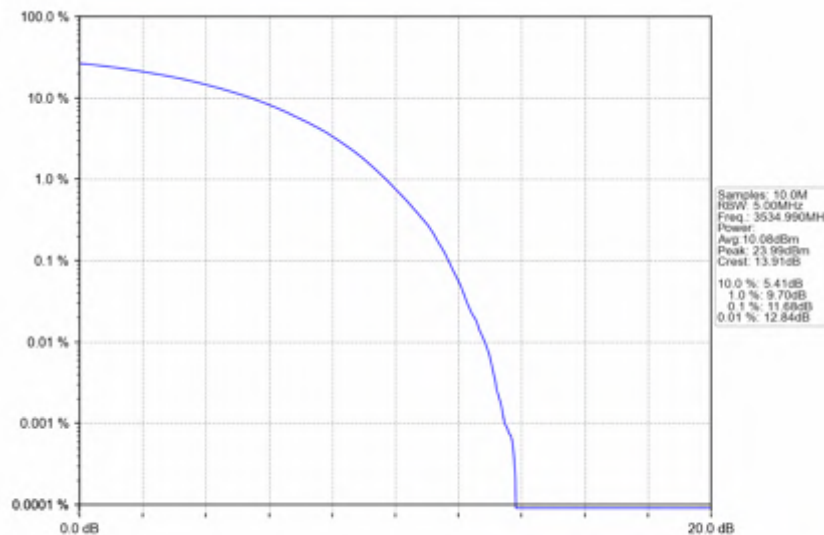
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n78e	30kHz	SISO	NTNV	30MHz	CP-OFDM	QPSK	3534.99MHz	Outer	Full
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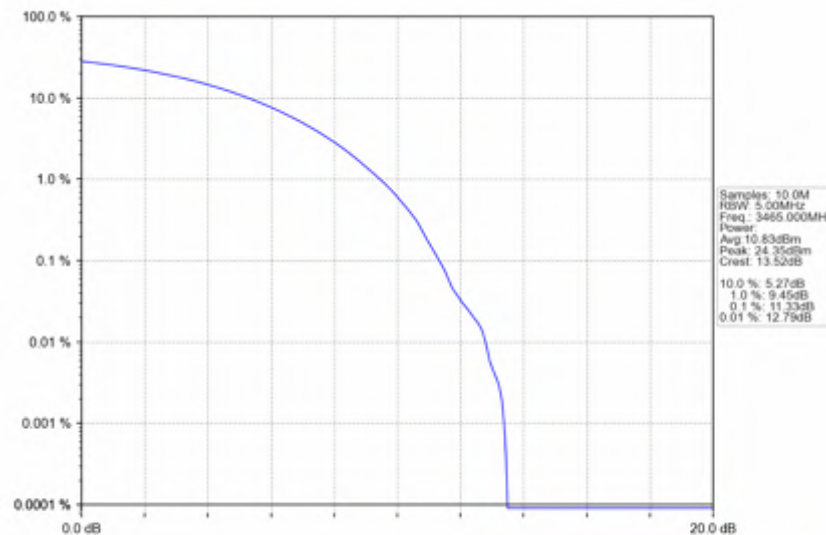


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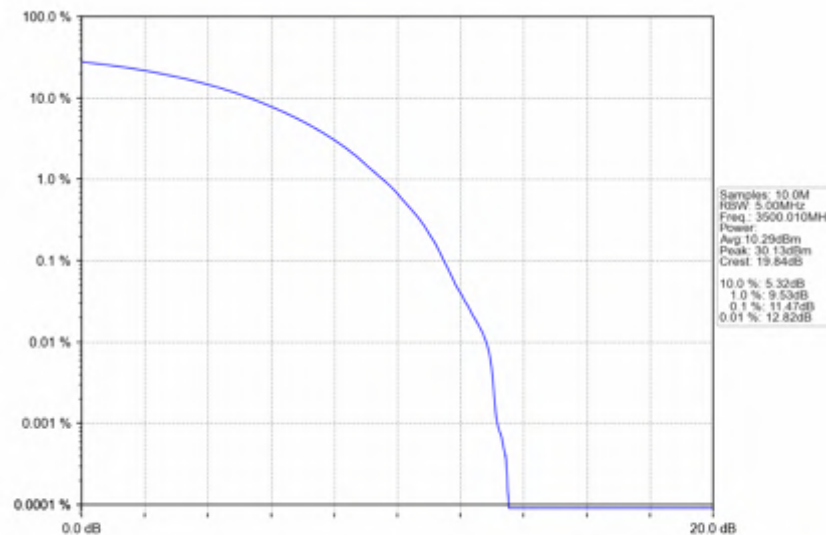
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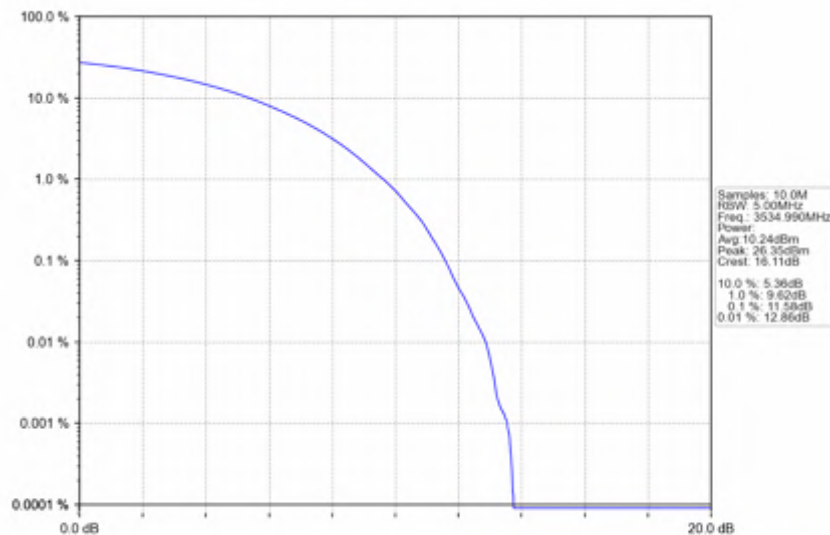


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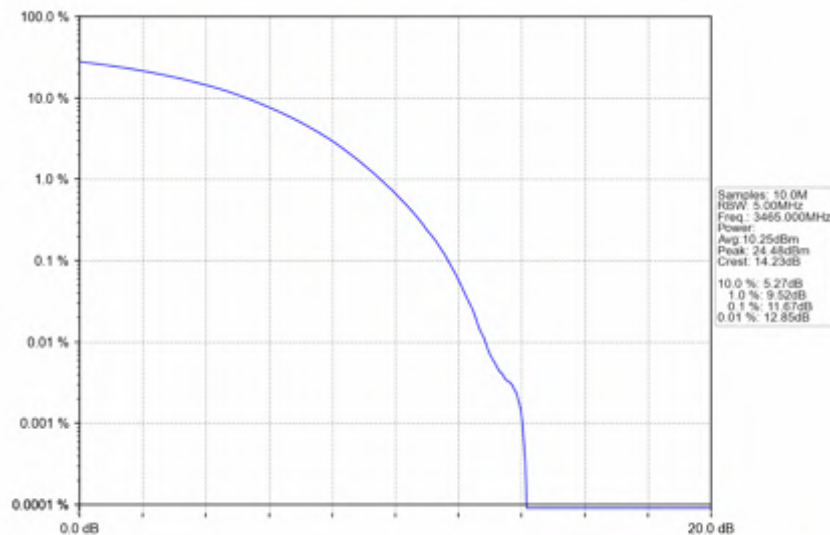
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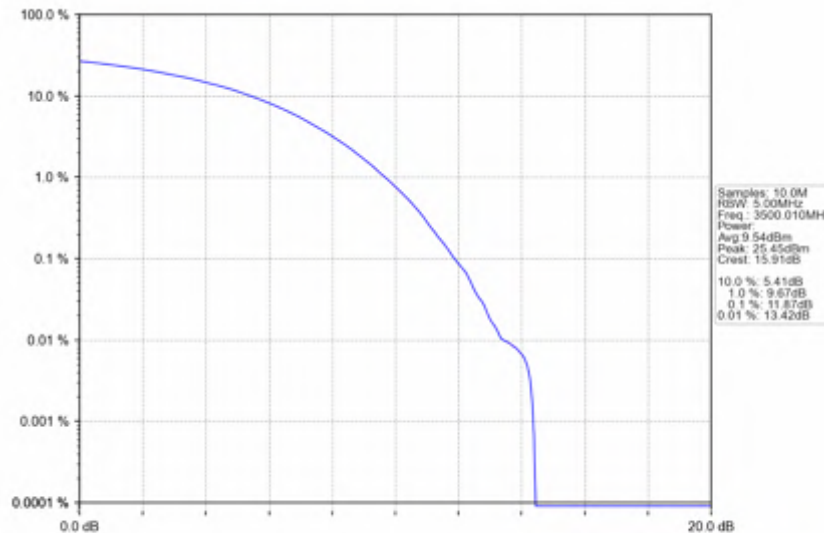
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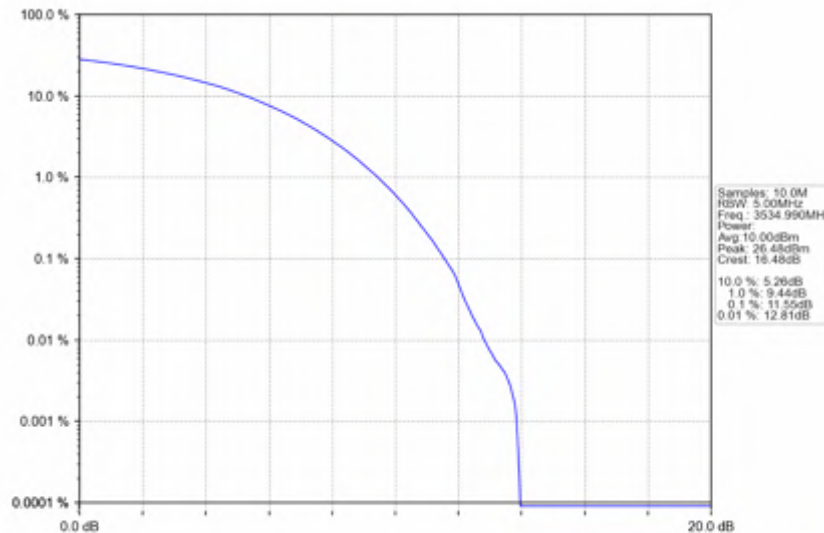
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n78e_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3500.01MHz_Outer_Full



n78e_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3534.99MHz_Outer_Full



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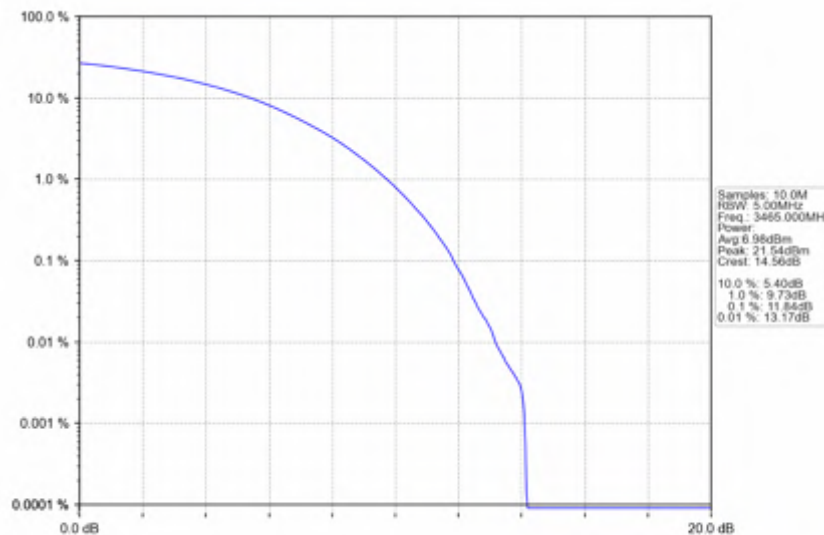
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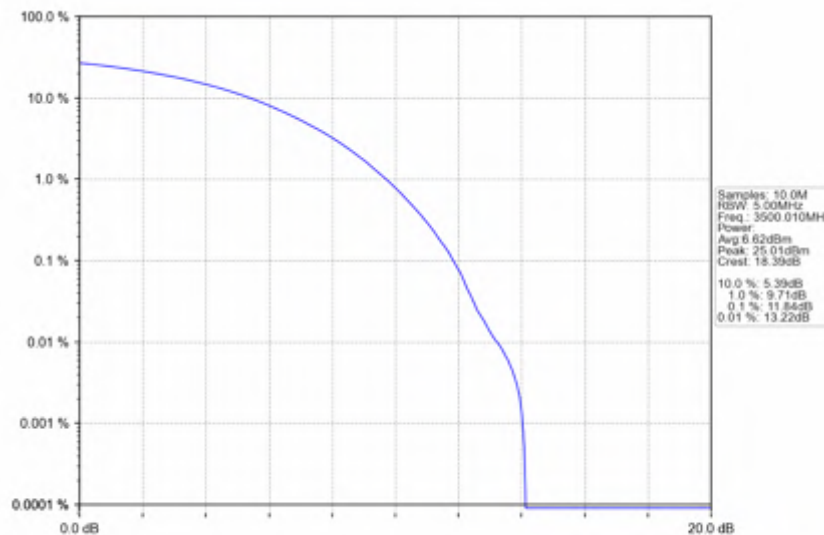
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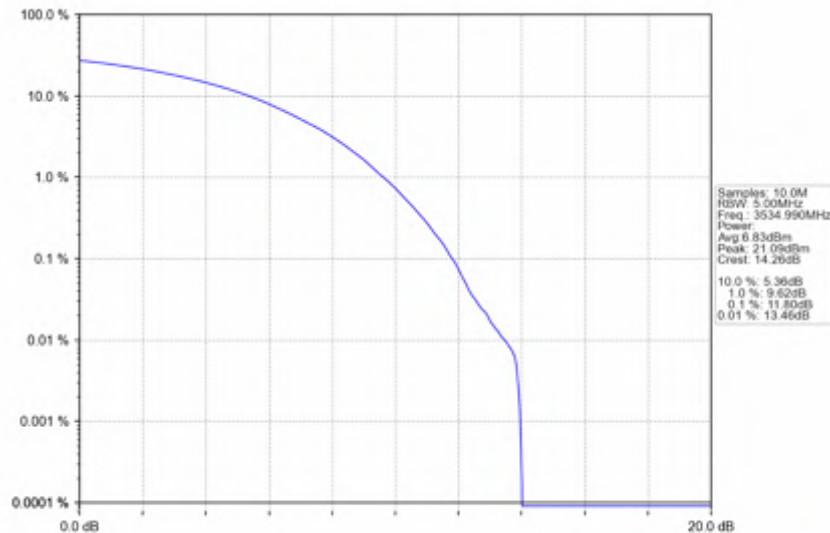
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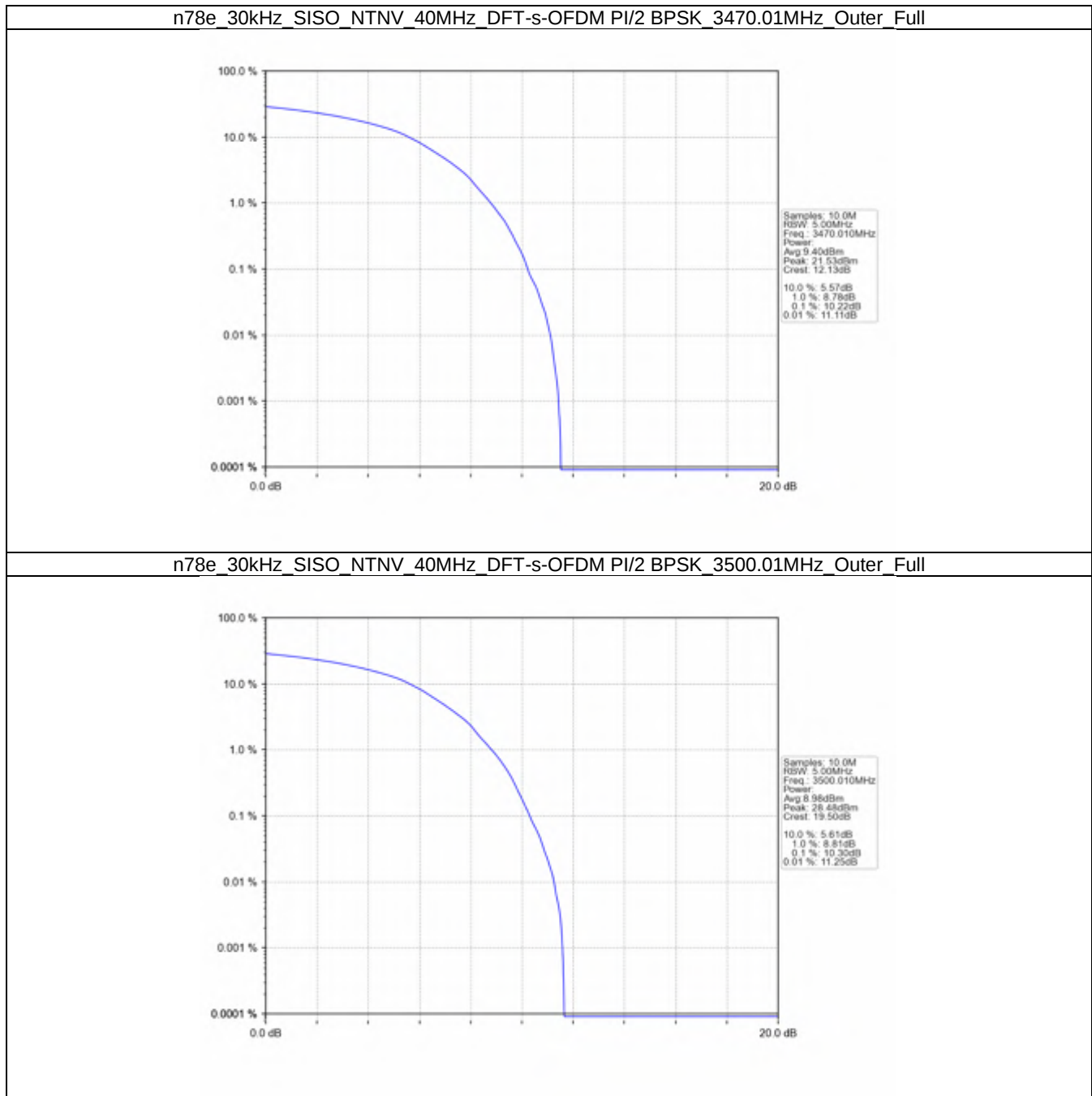
9.13 30k_SISO_40MHz_NTNV

9.13.1 Test Result

5G NR n78e SCS=30kHz SISO 40MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3470.01	Outer_Full	10.22	/	/	<=13	Pass
	3500.01	Outer_Full	10.30	/	/	<=13	Pass
	3529.98	Outer_Full	10.44	/	/	<=13	Pass
DFT-s-OFDM QPSK	3470.01	Outer_Full	11.02	/	/	<=13	Pass
	3500.01	Outer_Full	11.03	/	/	<=13	Pass
	3529.98	Outer_Full	11.06	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3470.01	Outer_Full	11.30	/	/	<=13	Pass
	3500.01	Outer_Full	11.27	/	/	<=13	Pass
	3529.98	Outer_Full	11.12	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3470.01	Outer_Full	11.17	/	/	<=13	Pass
	3500.01	Outer_Full	11.10	/	/	<=13	Pass
	3529.98	Outer_Full	11.29	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3470.01	Outer_Full	11.21	/	/	<=13	Pass
	3500.01	Outer_Full	11.20	/	/	<=13	Pass
	3529.98	Outer_Full	11.18	/	/	<=13	Pass
CP-OFDM QPSK	3470.01	Outer_Full	11.94	/	/	<=13	Pass
	3500.01	Outer_Full	11.96	/	/	<=13	Pass
	3529.98	Outer_Full	11.71	/	/	<=13	Pass
CP-OFDM 16 QAM	3470.01	Outer_Full	11.64	/	/	<=13	Pass
	3500.01	Outer_Full	11.56	/	/	<=13	Pass
	3529.98	Outer_Full	11.60	/	/	<=13	Pass
CP-OFDM 64 QAM	3470.01	Outer_Full	11.86	/	/	<=13	Pass
	3500.01	Outer_Full	11.77	/	/	<=13	Pass
	3529.98	Outer_Full	11.97	/	/	<=13	Pass
CP-OFDM 256 QAM	3470.01	Outer_Full	11.87	/	/	<=13	Pass
	3500.01	Outer_Full	11.84	/	/	<=13	Pass
	3529.98	Outer_Full	11.85	/	/	<=13	Pass



9.13.2 Test Graph



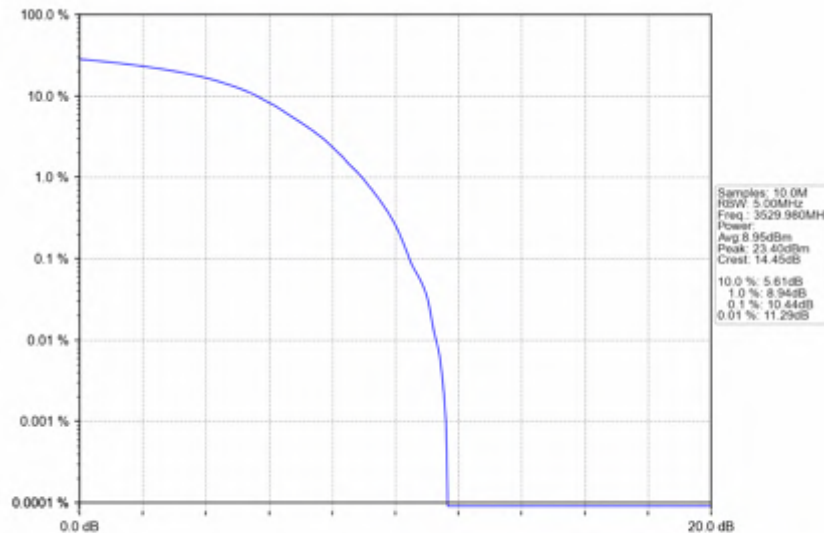
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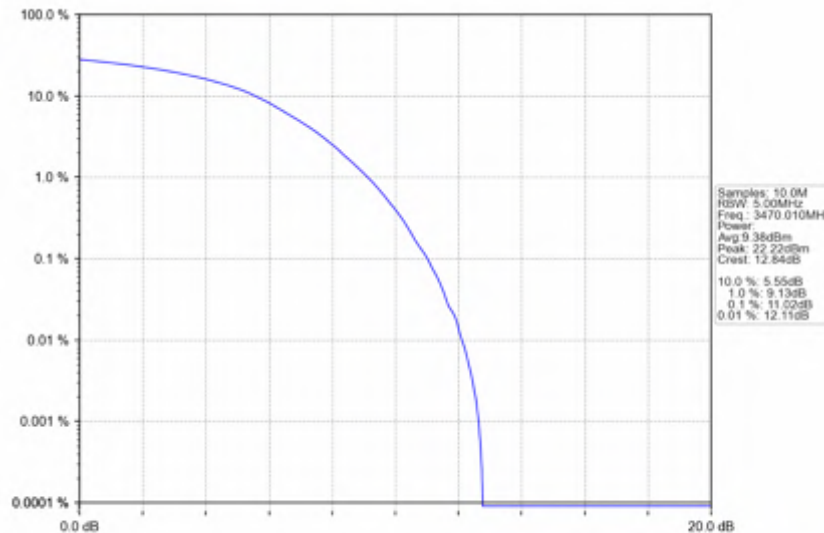
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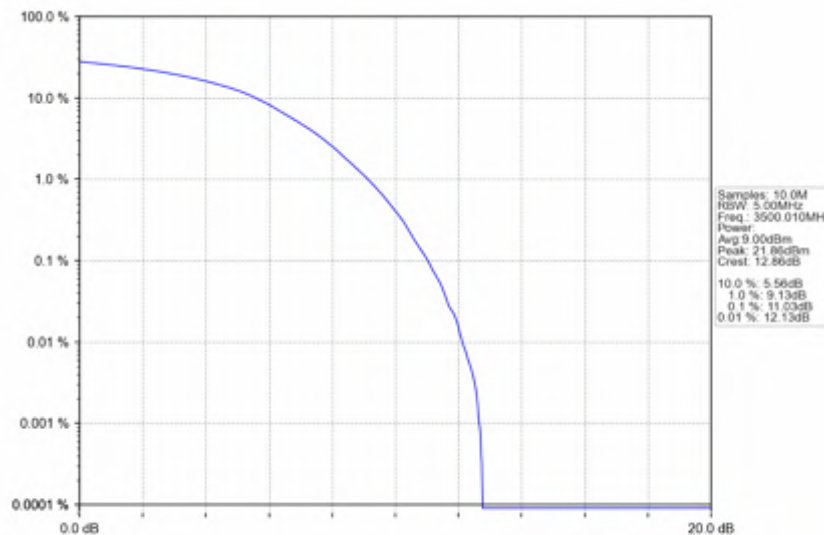
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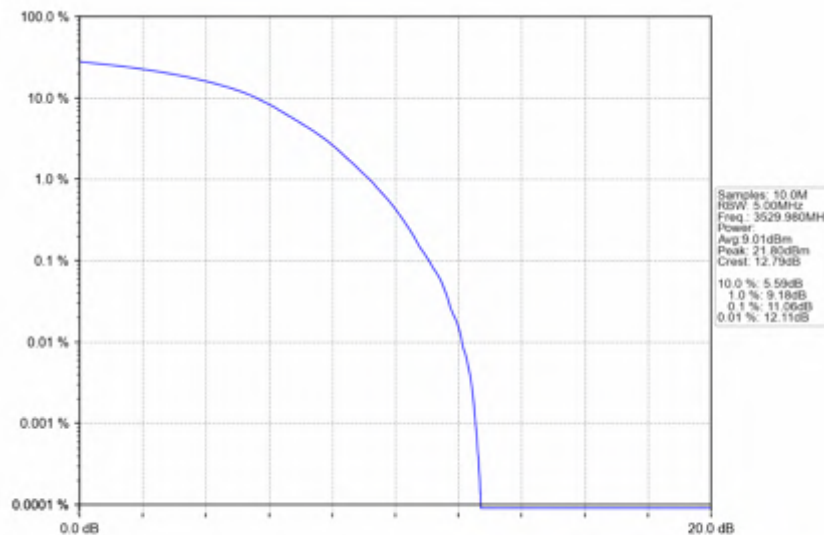
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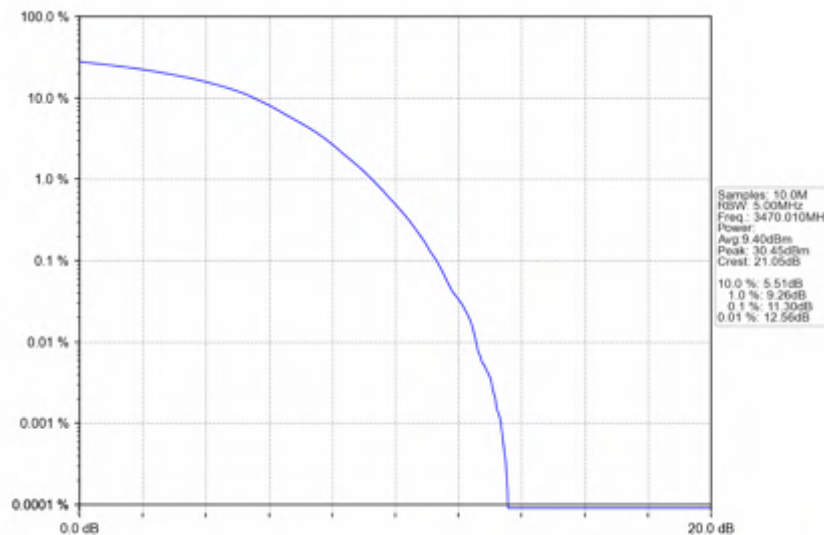
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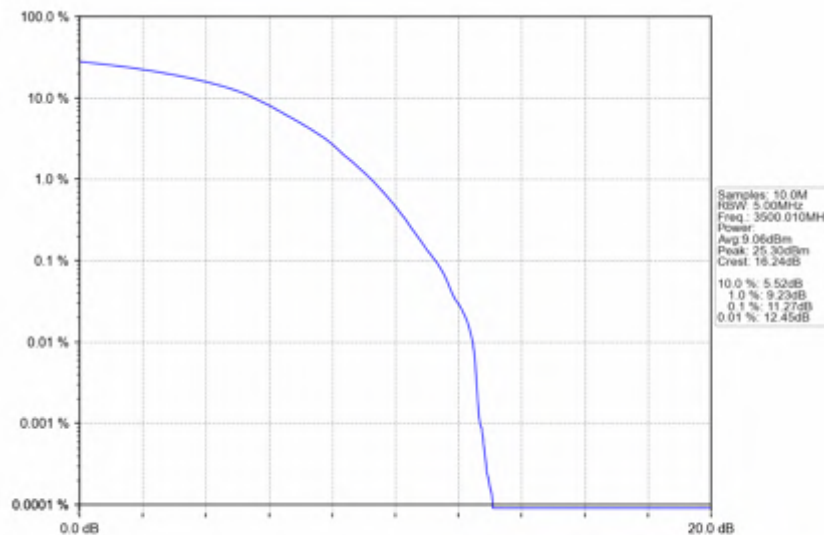
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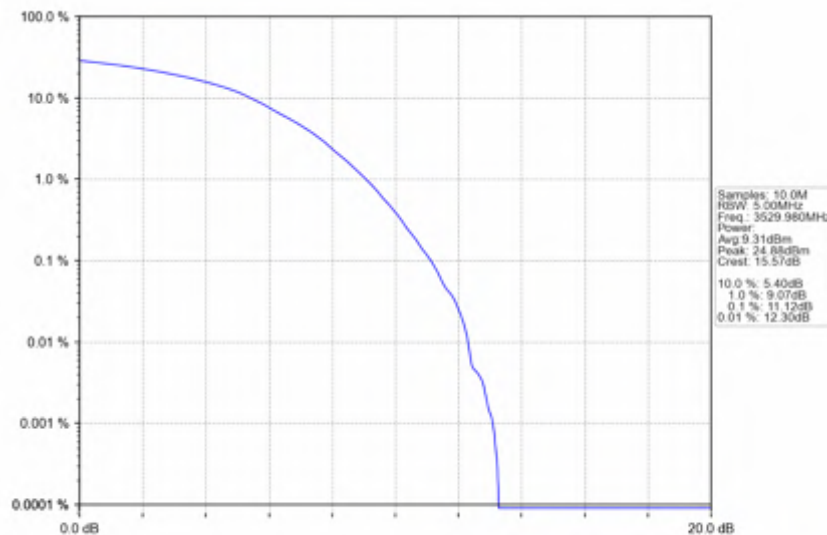


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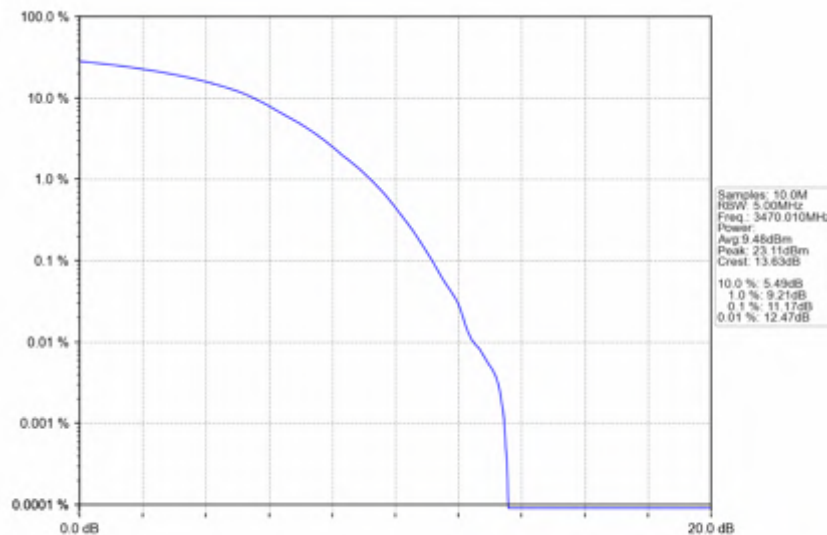
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n78e	30kHz	SISO	NTNV	40MHz	DFT-s-OFDM	64 QAM	3470.01MHz	Outer	Full
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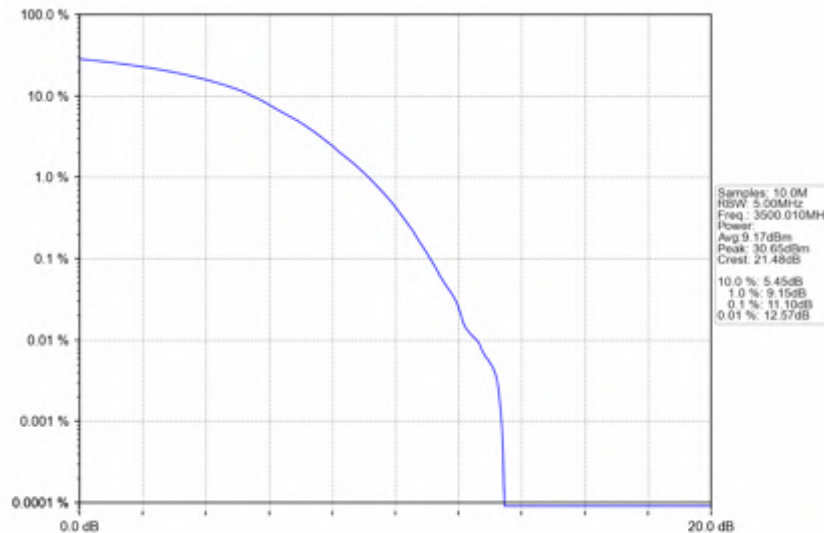


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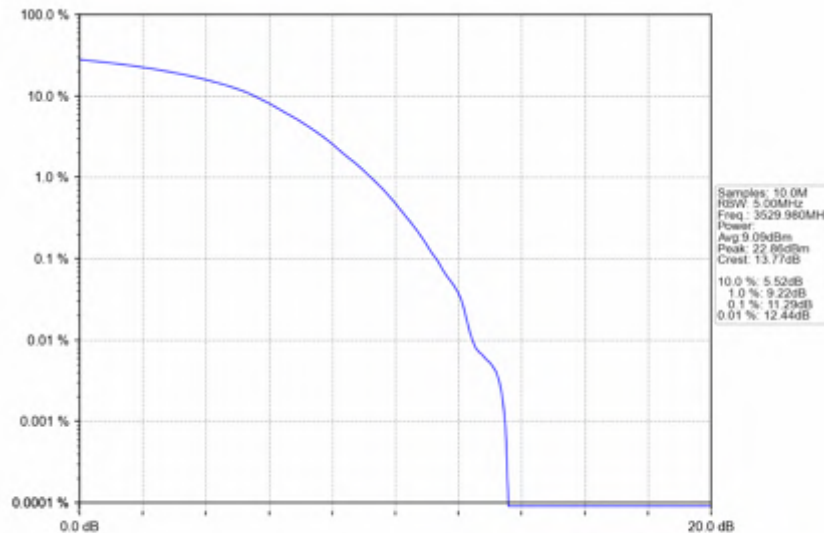
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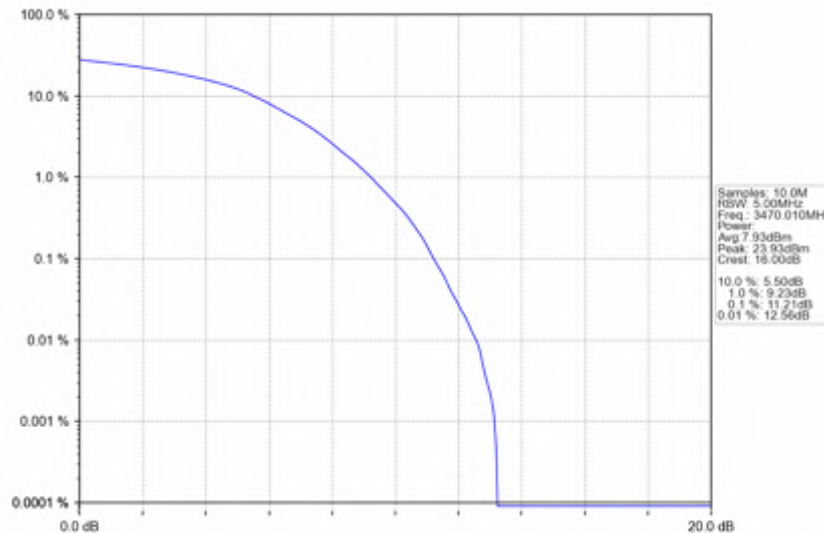


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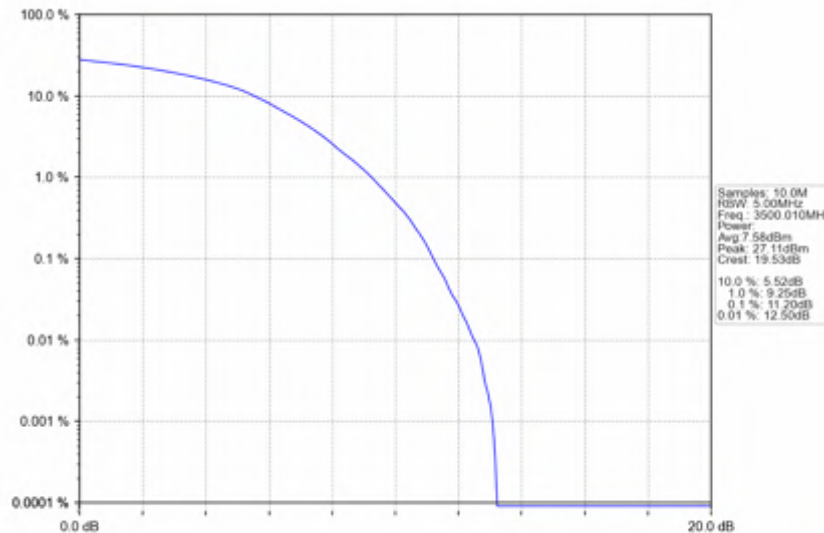
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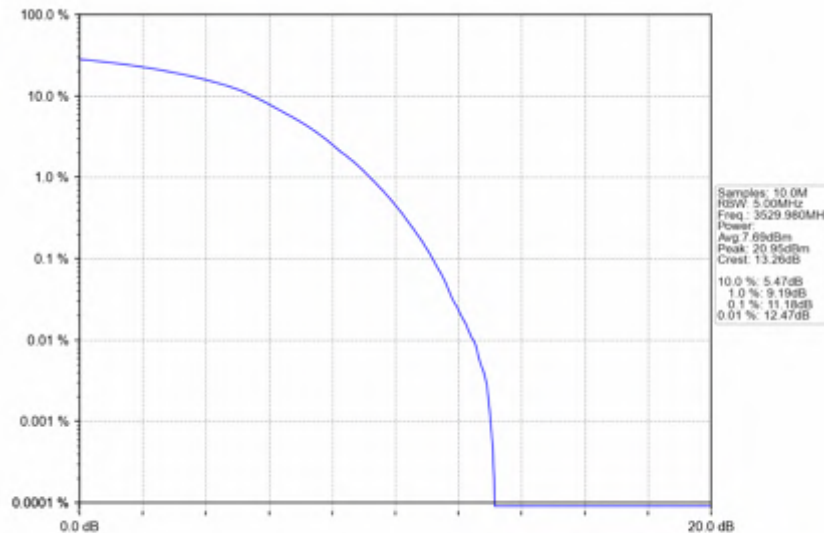
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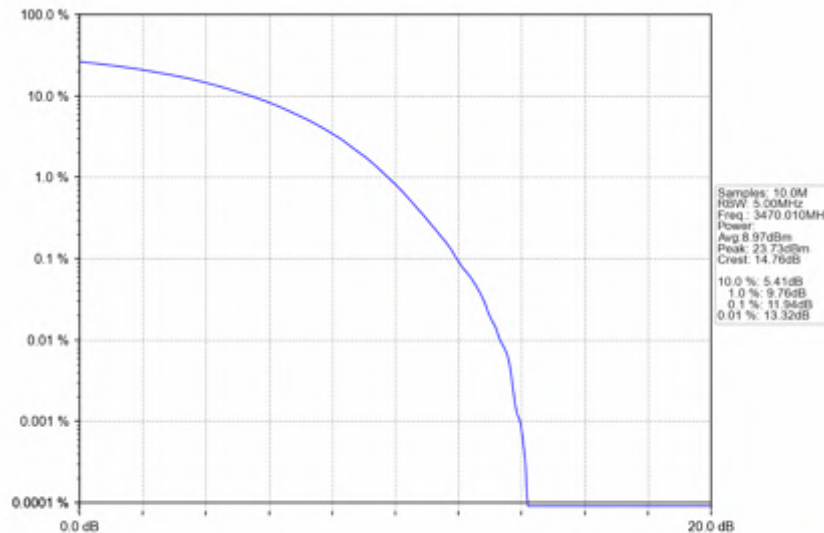
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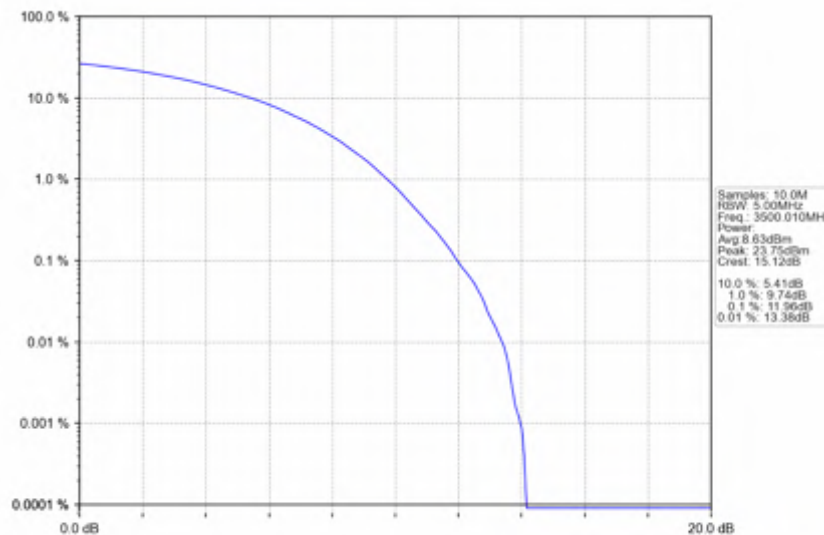
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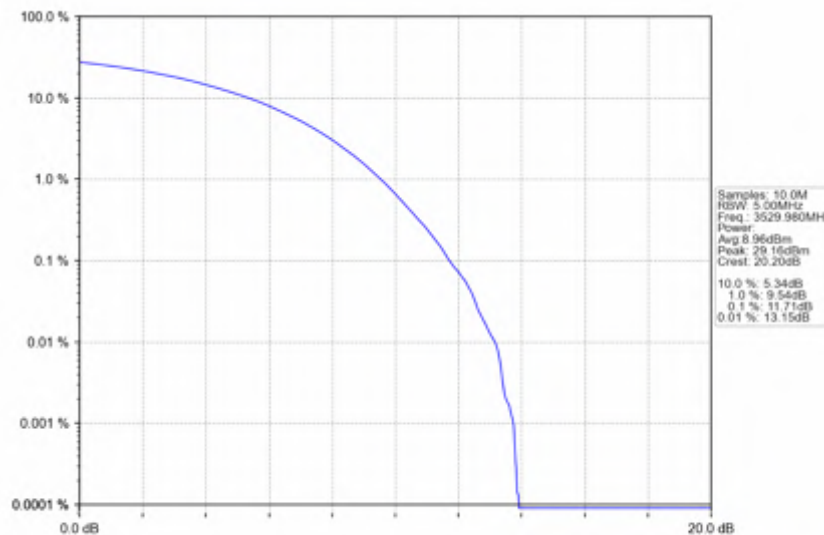
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n78e_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full



n78e_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3529.98MHz_Outer_Full



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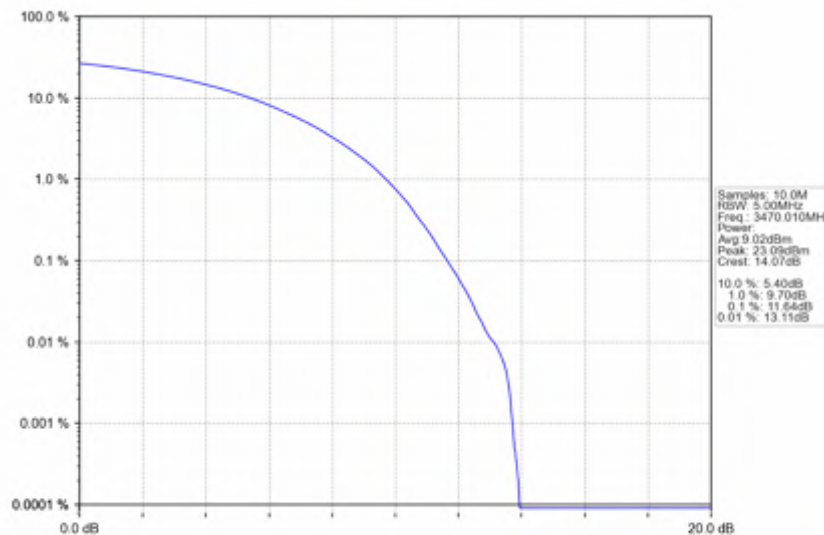
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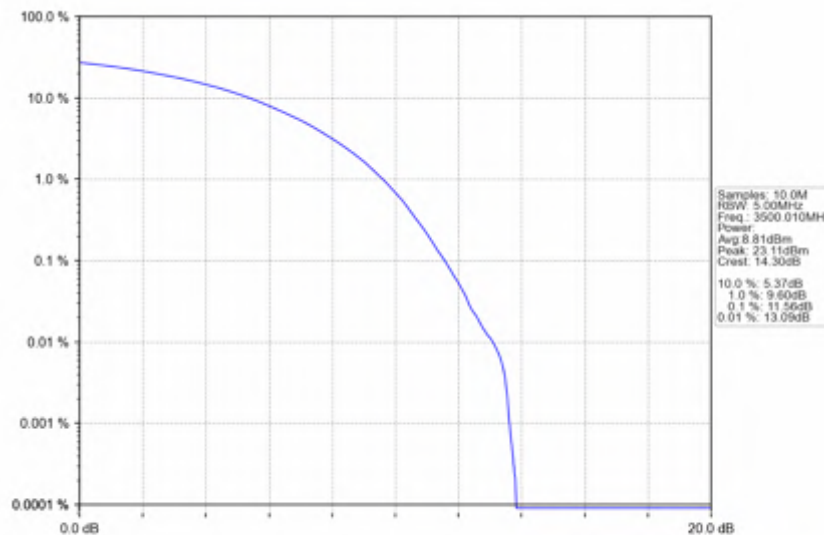
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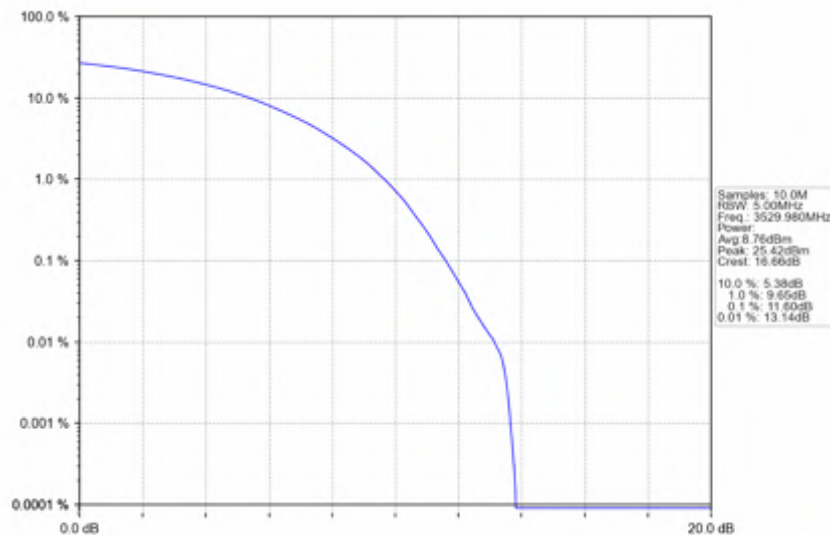
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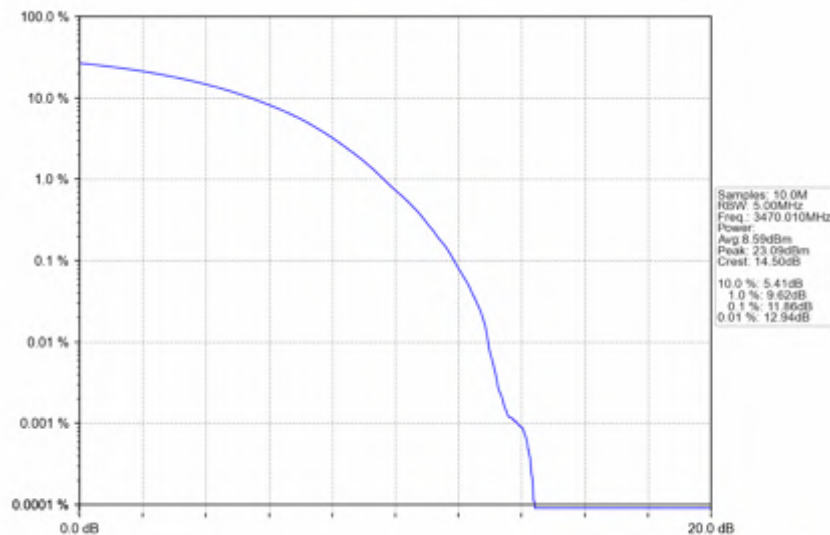
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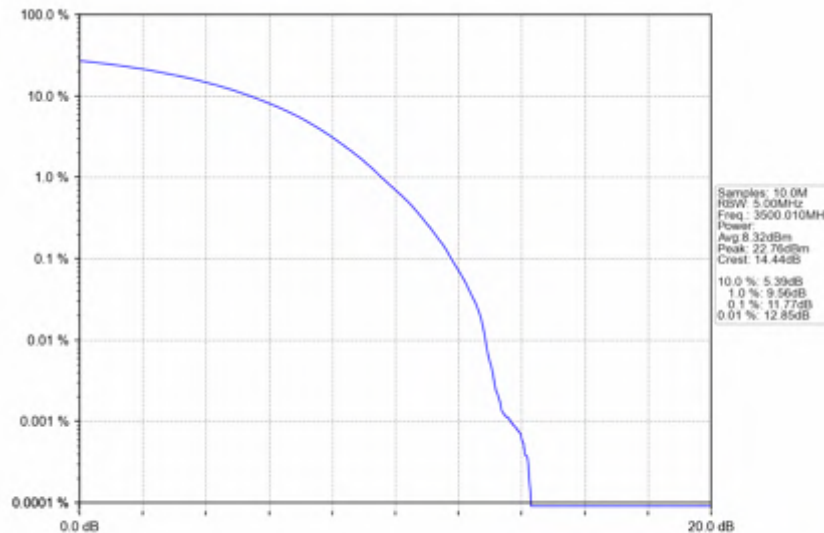


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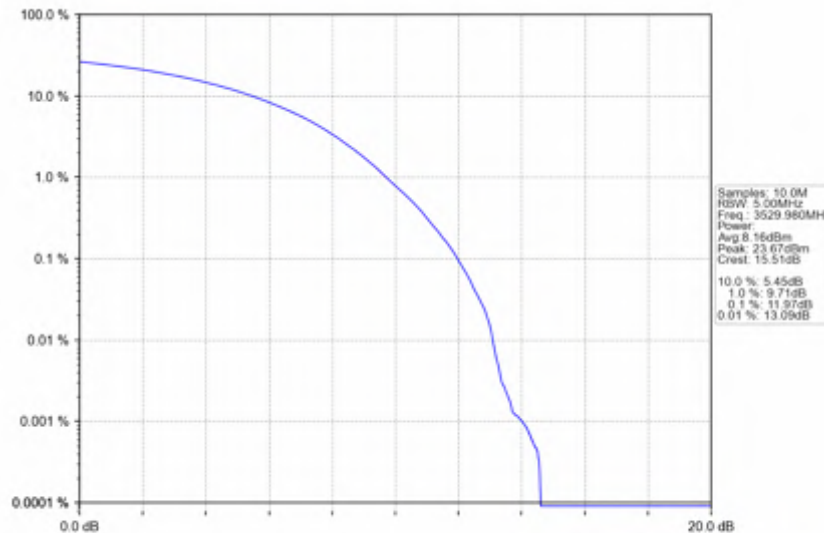
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n78e_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3500.01MHz_Outer_Full



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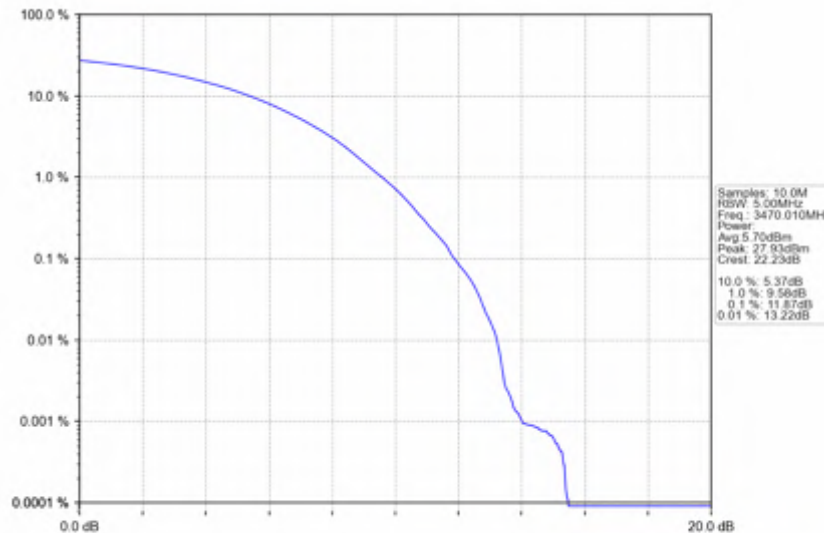
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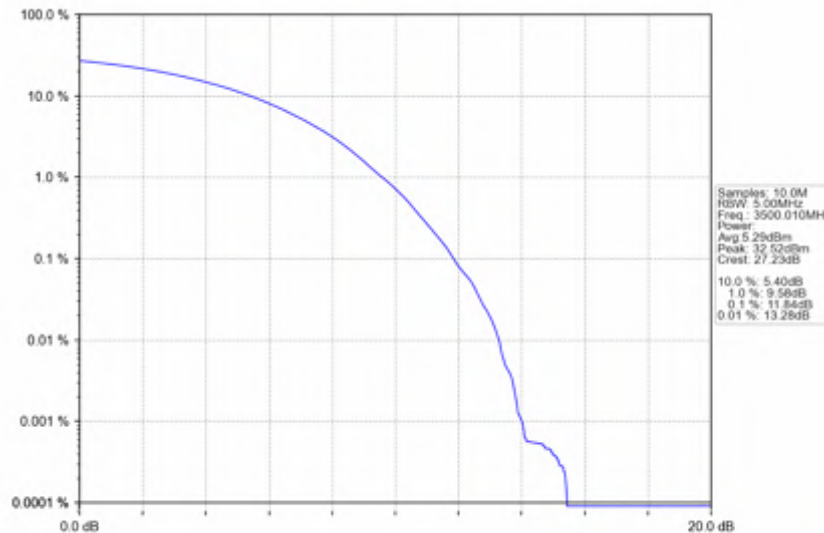
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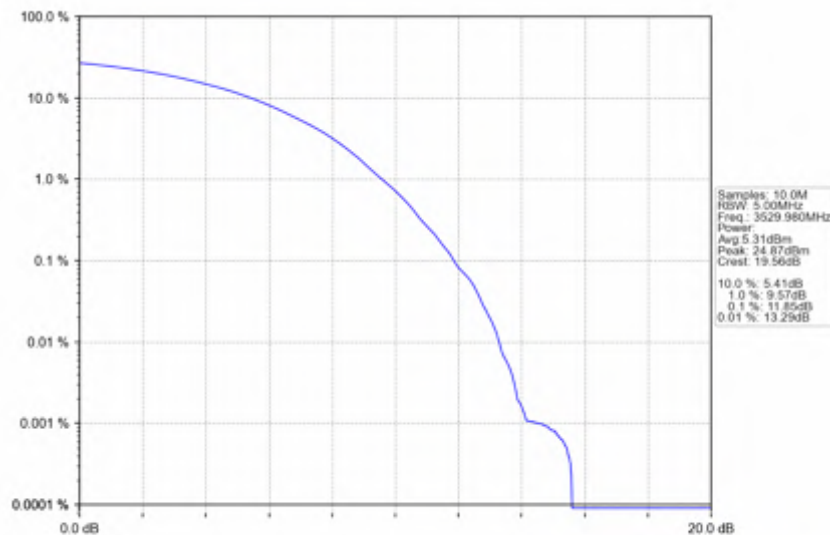


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9.14 30k_SISO_50MHz_NTNV

9.14.1 Test Result

Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3475.02	Outer_Full	10.57	/	/	<=13	Pass
	3500.01	Outer_Full	10.48	/	/	<=13	Pass
	3525	Outer_Full	10.56	/	/	<=13	Pass
DFT-s-OFDM QPSK	3475.02	Outer_Full	11.18	/	/	<=13	Pass
	3500.01	Outer_Full	11.18	/	/	<=13	Pass
	3525	Outer_Full	11.07	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3475.02	Outer_Full	11.17	/	/	<=13	Pass
	3500.01	Outer_Full	11.02	/	/	<=13	Pass
	3525	Outer_Full	11.12	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3475.02	Outer_Full	11.26	/	/	<=13	Pass
	3500.01	Outer_Full	11.22	/	/	<=13	Pass
	3525	Outer_Full	11.22	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3475.02	Outer_Full	11.27	/	/	<=13	Pass
	3500.01	Outer_Full	11.17	/	/	<=13	Pass
	3525	Outer_Full	11.59	/	/	<=13	Pass
CP-OFDM QPSK	3475.02	Outer_Full	11.73	/	/	<=13	Pass
	3500.01	Outer_Full	11.61	/	/	<=13	Pass
	3525	Outer_Full	11.67	/	/	<=13	Pass
CP-OFDM 16 QAM	3475.02	Outer_Full	11.45	/	/	<=13	Pass
	3500.01	Outer_Full	11.59	/	/	<=13	Pass
	3525	Outer_Full	11.58	/	/	<=13	Pass
CP-OFDM 64 QAM	3475.02	Outer_Full	11.83	/	/	<=13	Pass
	3500.01	Outer_Full	11.63	/	/	<=13	Pass
	3525	Outer_Full	11.64	/	/	<=13	Pass
CP-OFDM 256 QAM	3475.02	Outer_Full	11.74	/	/	<=13	Pass
	3500.01	Outer_Full	11.65	/	/	<=13	Pass
	3525	Outer_Full	11.61	/	/	<=13	Pass



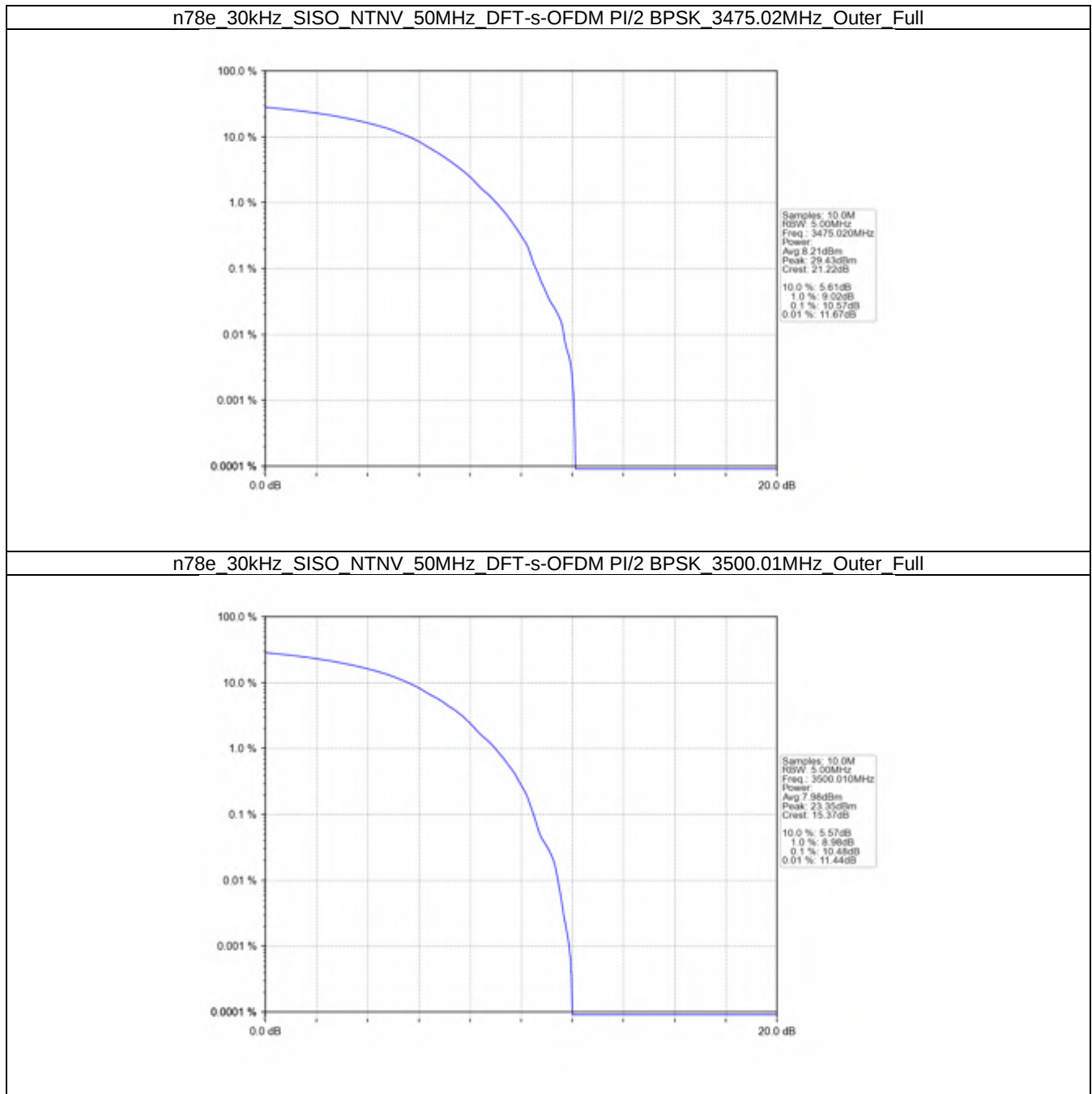
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9.14.2 Test Graph



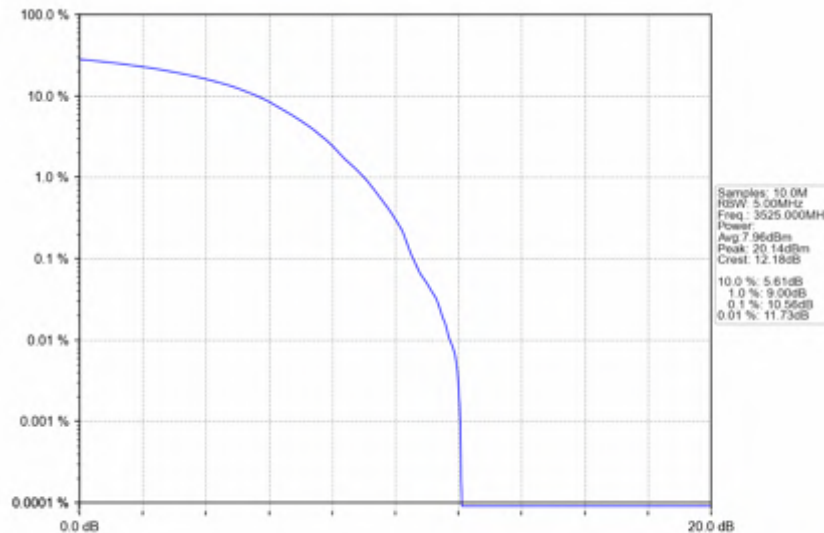
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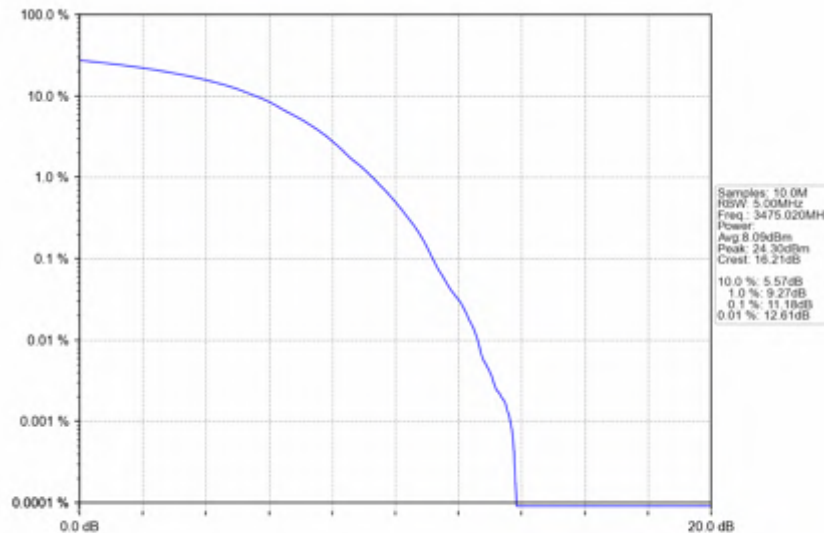
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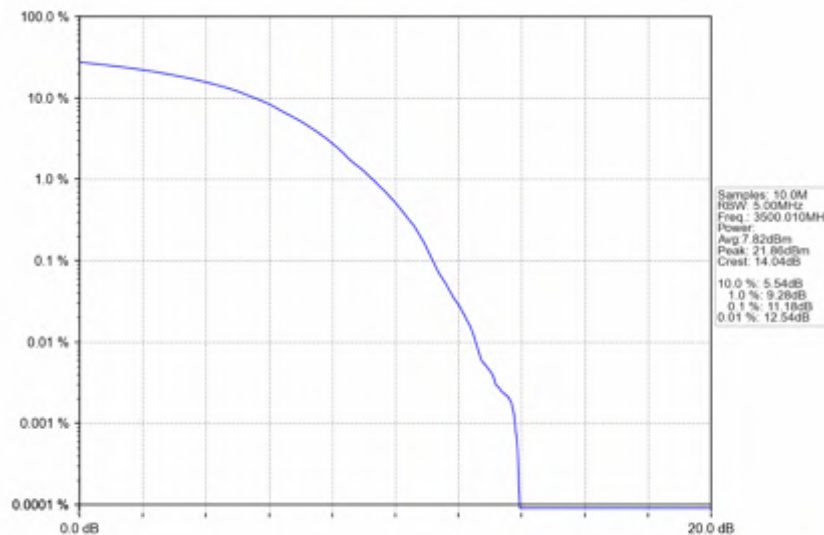


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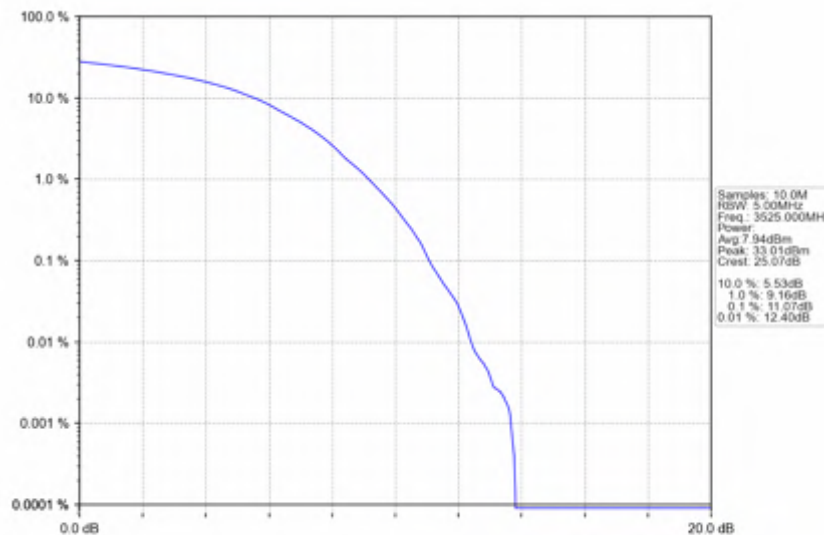
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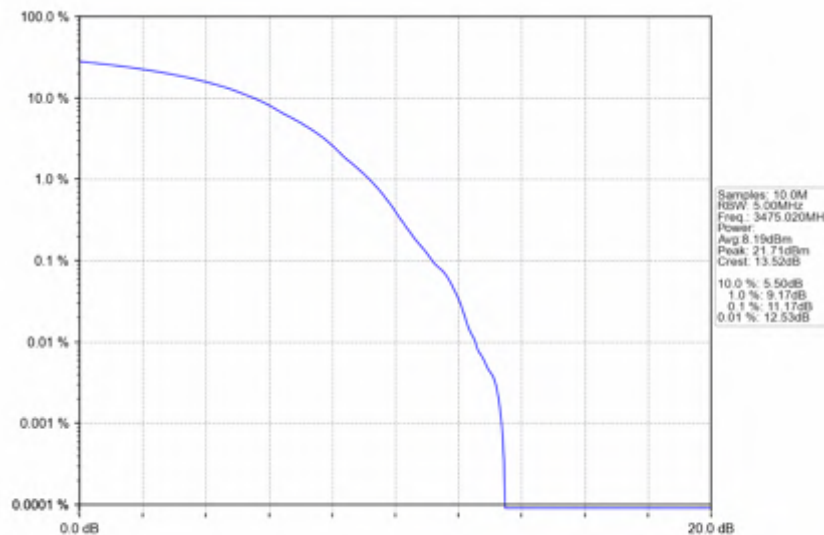


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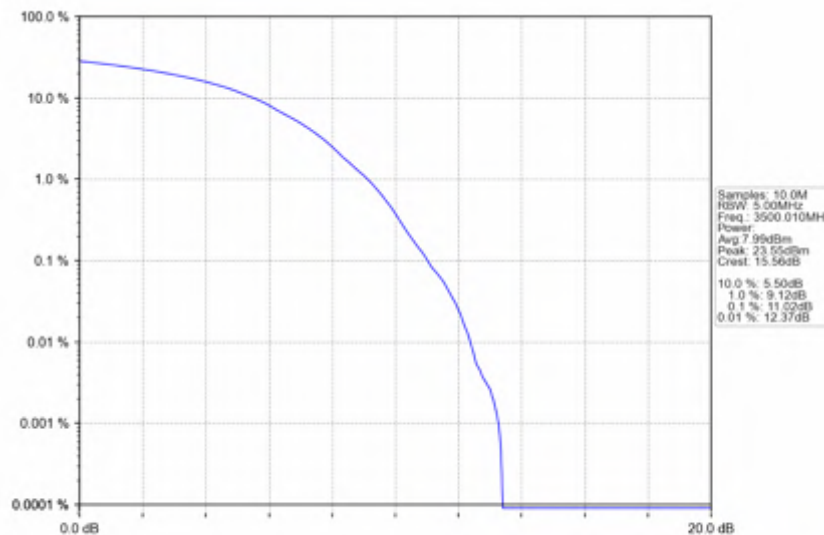
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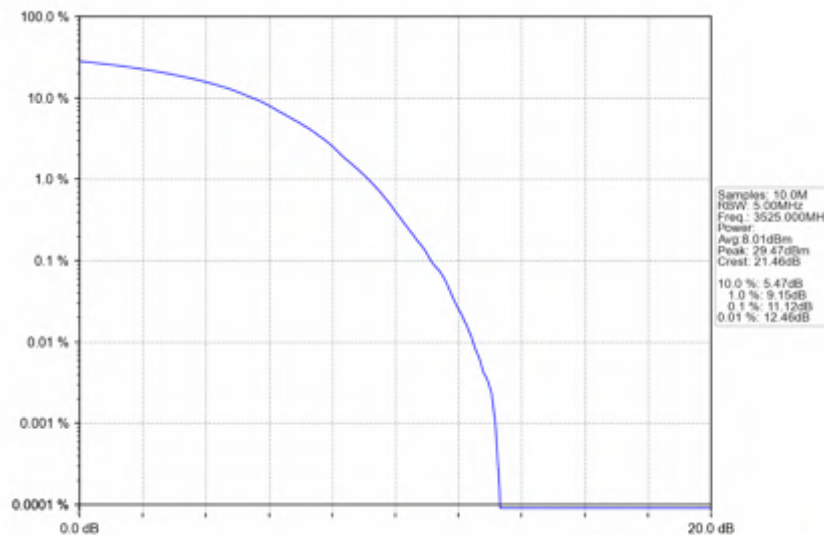
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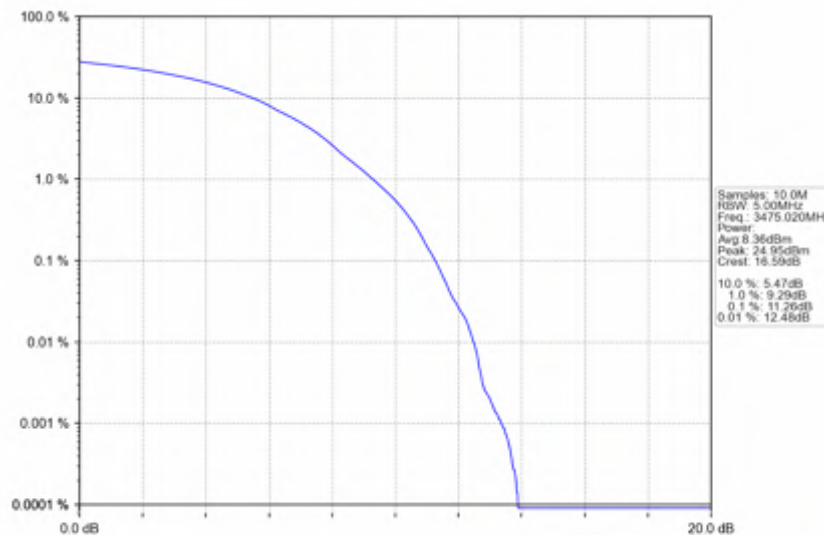
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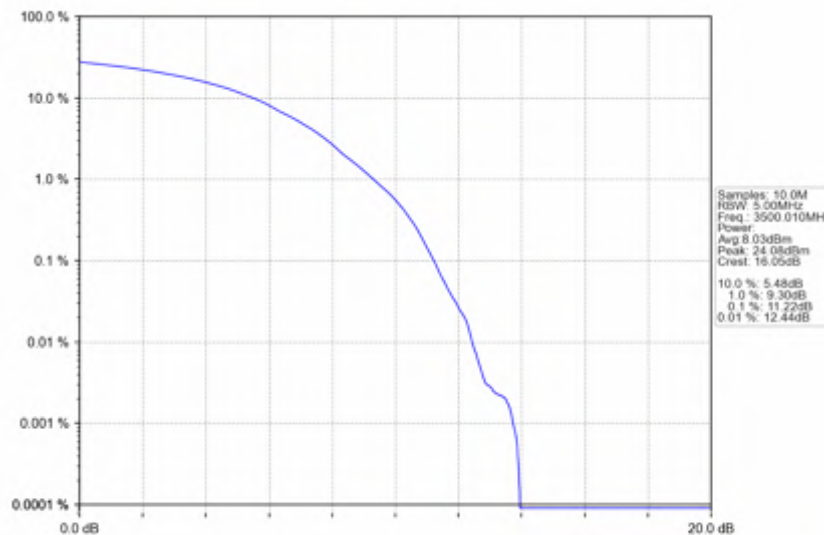


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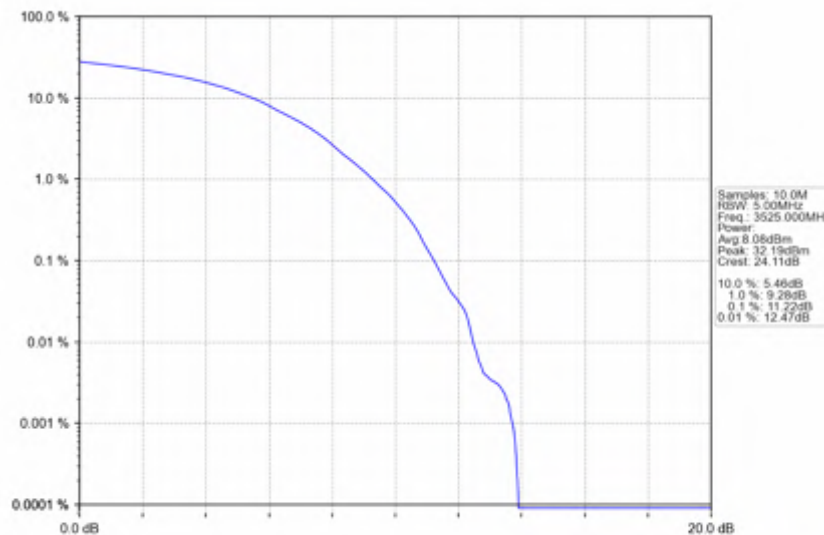
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n78e_30kHz_SISO_NTV_50MHz_DFT-s-OFDM 64 QAM_3500.01MHz_Outer_Full



n78e_30kHz_SISO_NTV_50MHz_DFT-s-OFDM 64 QAM_3525MHz_Outer_Full



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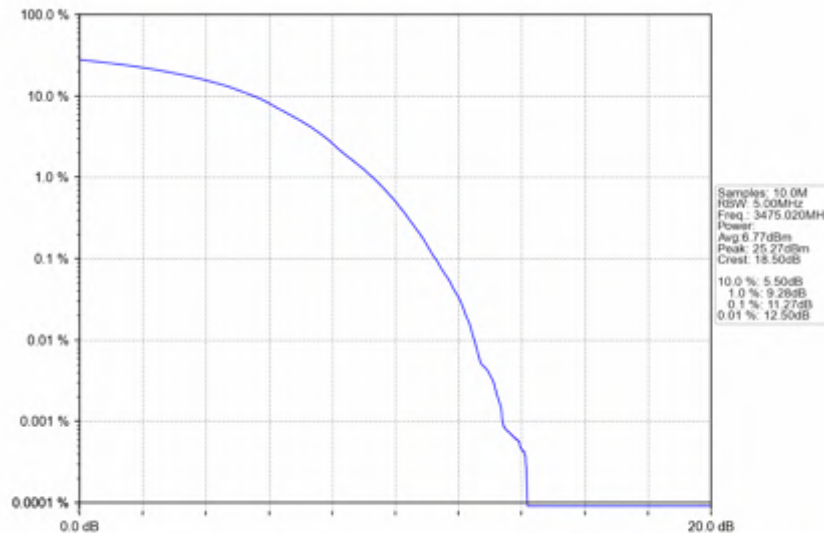
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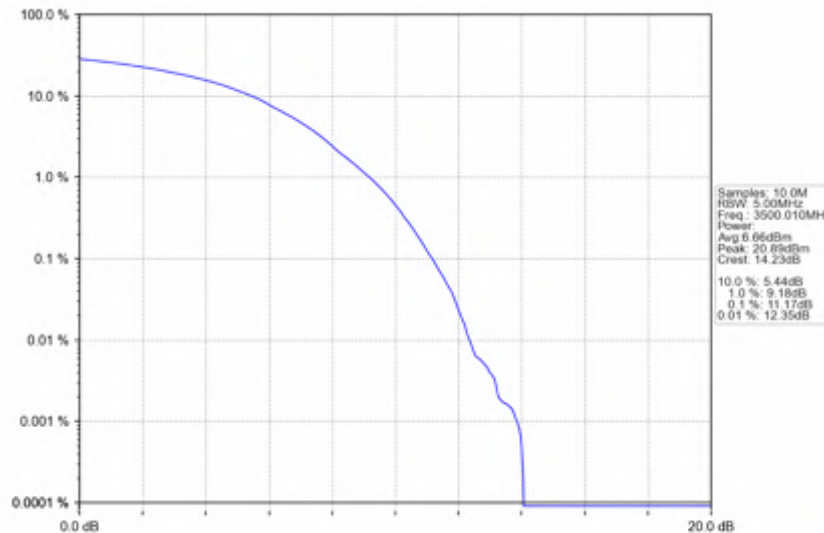
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n78e_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3475.02MHz_Outer_Full



n78e_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full



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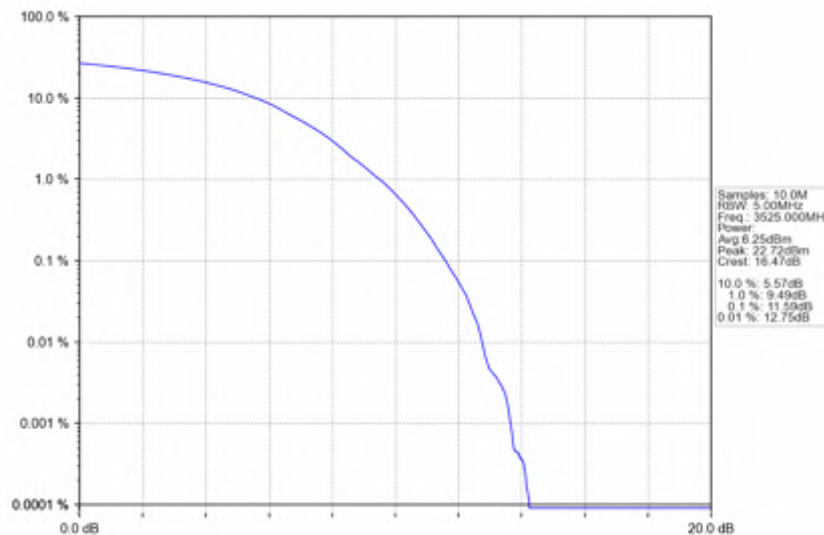
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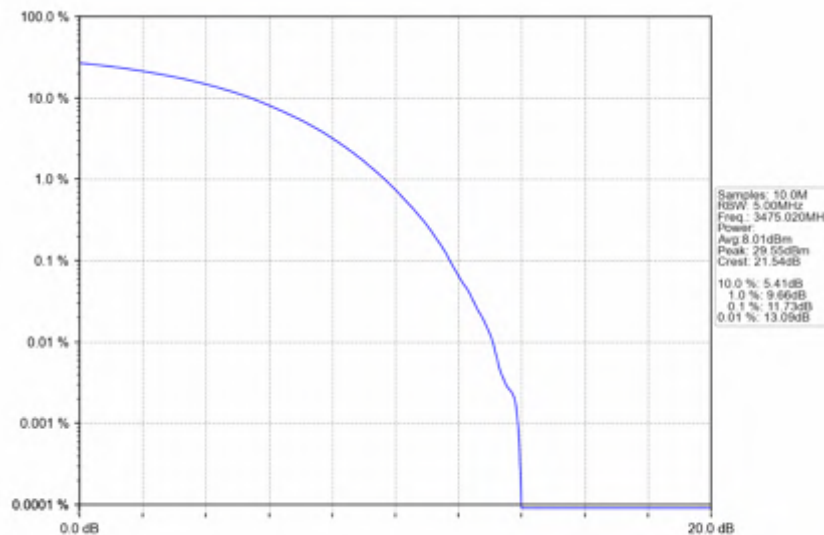
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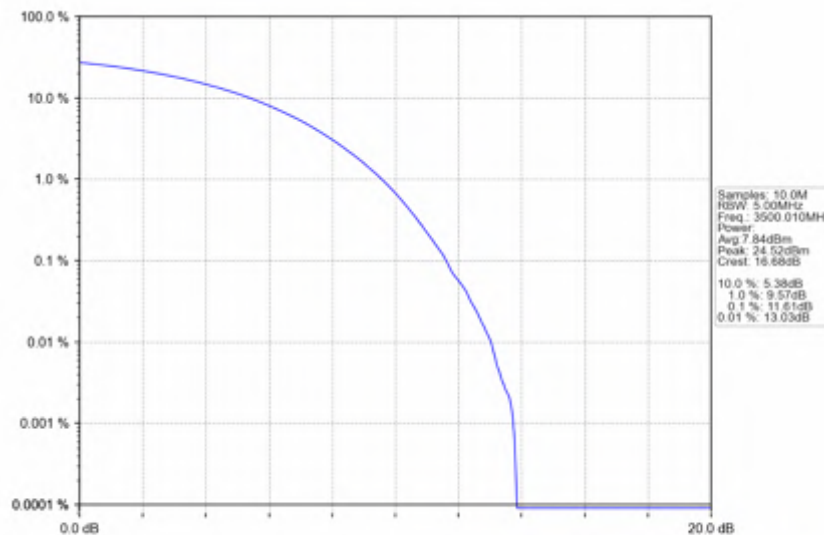
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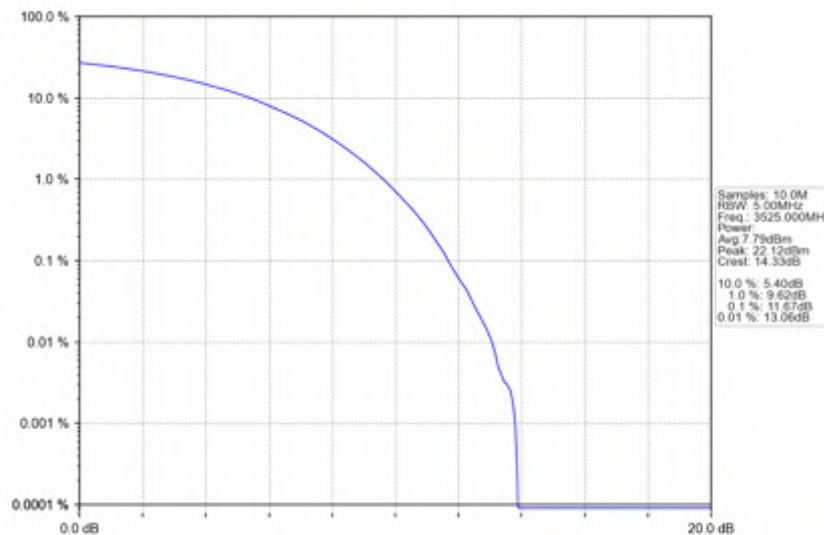
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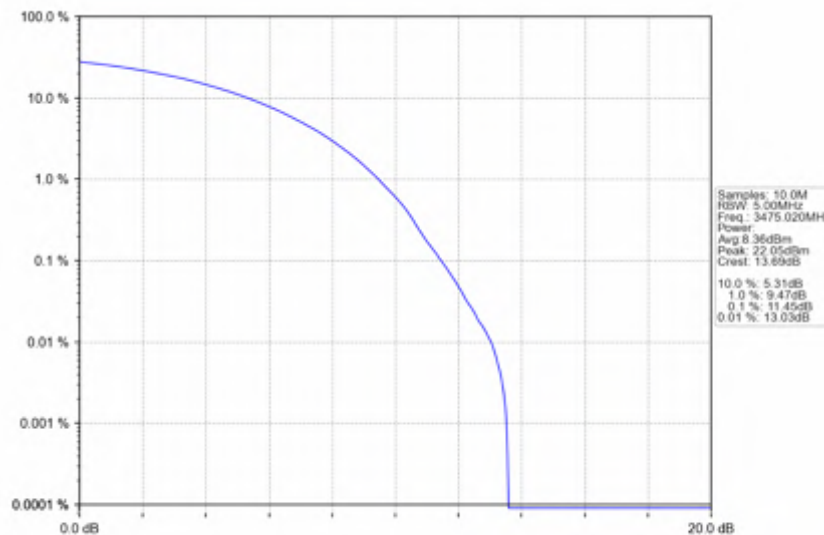
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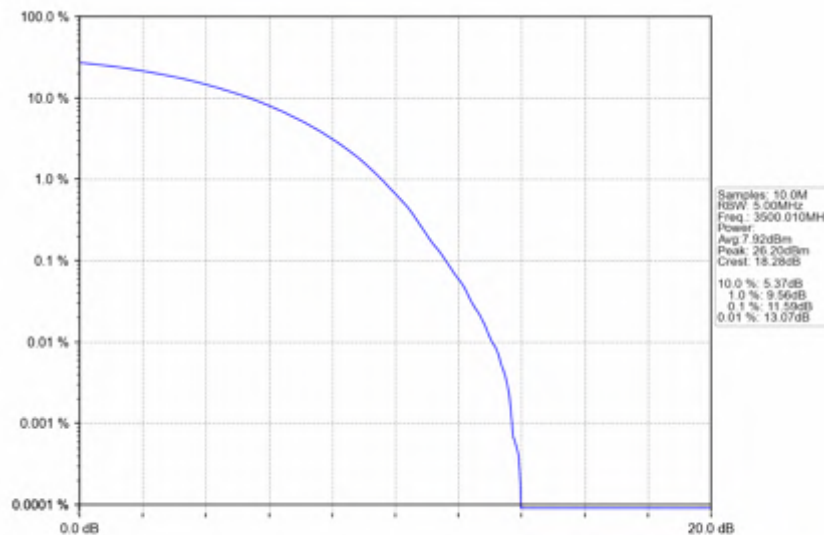
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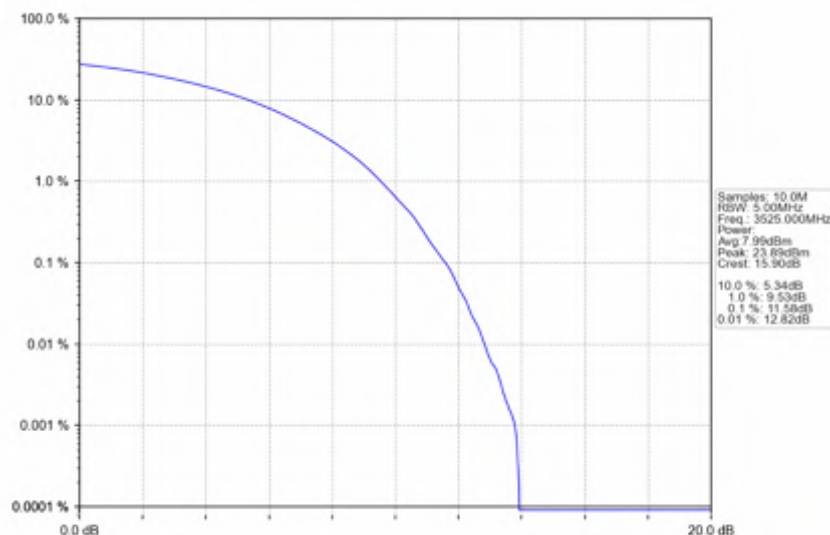
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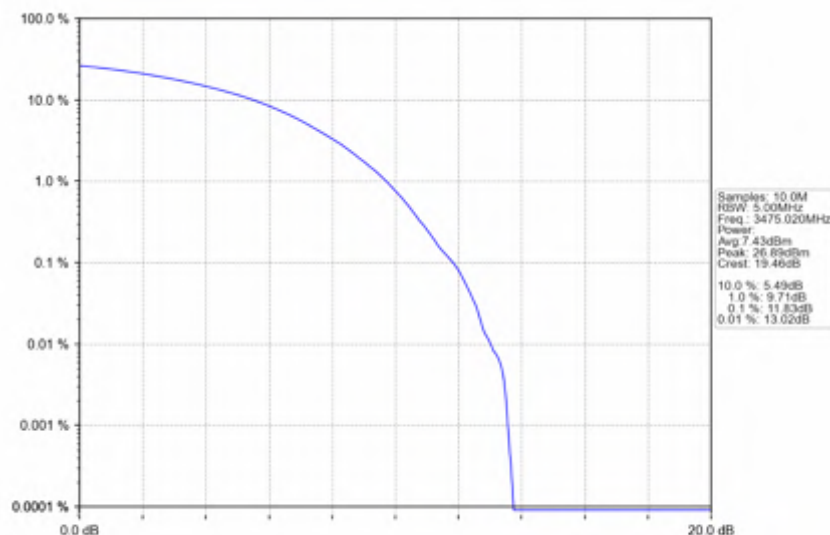
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n78e	30kHz	SISO	NTNV	50MHz	CP-OFDM	64 QAM	3475.02MHz	Outer	Full
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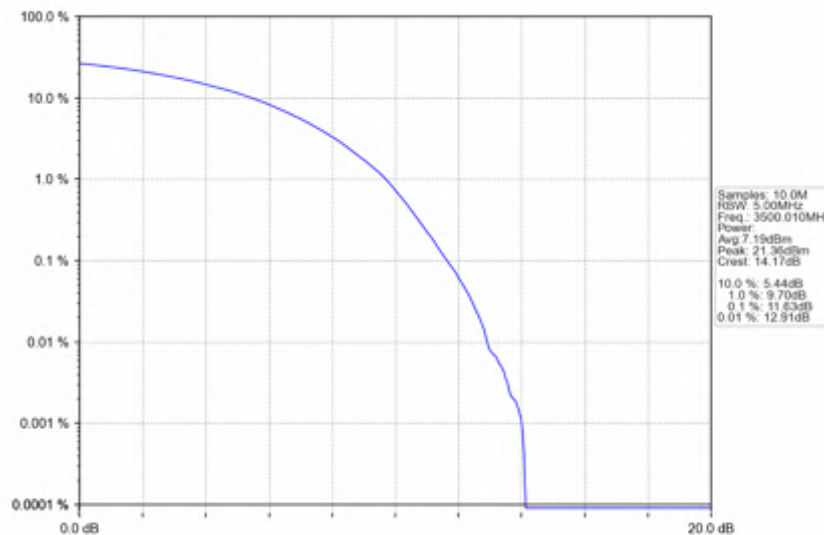


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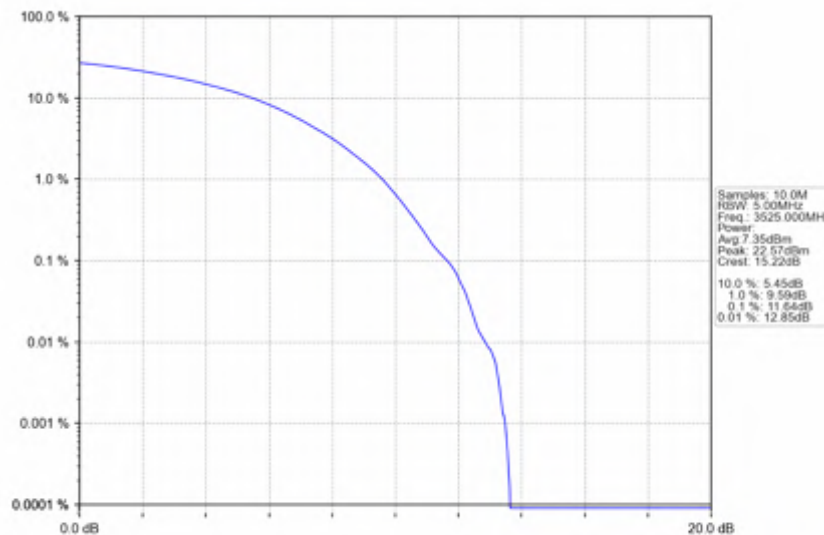
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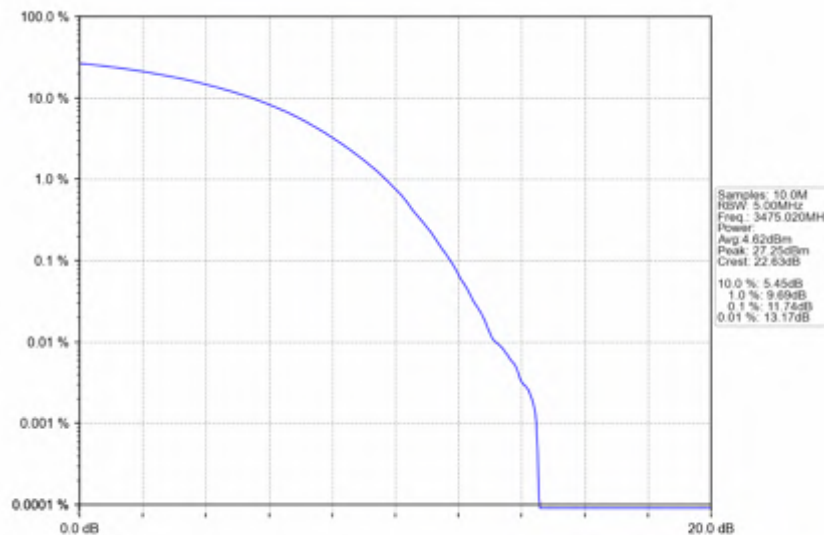
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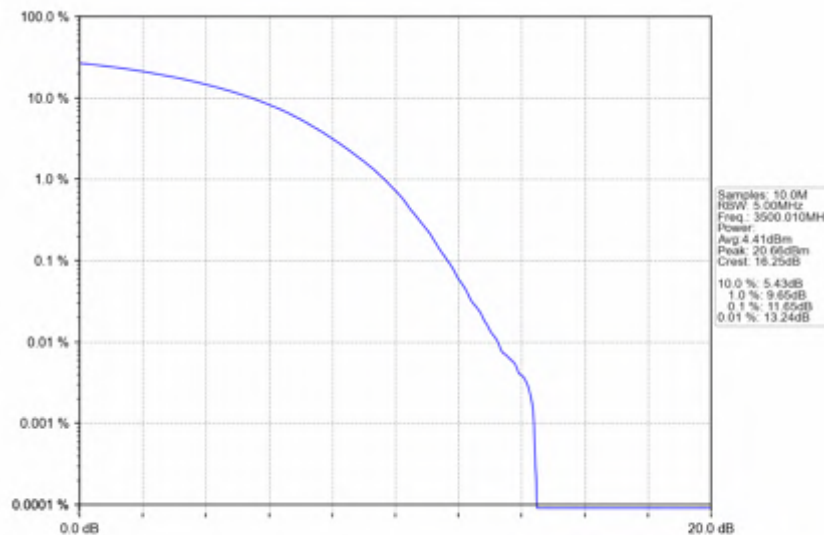
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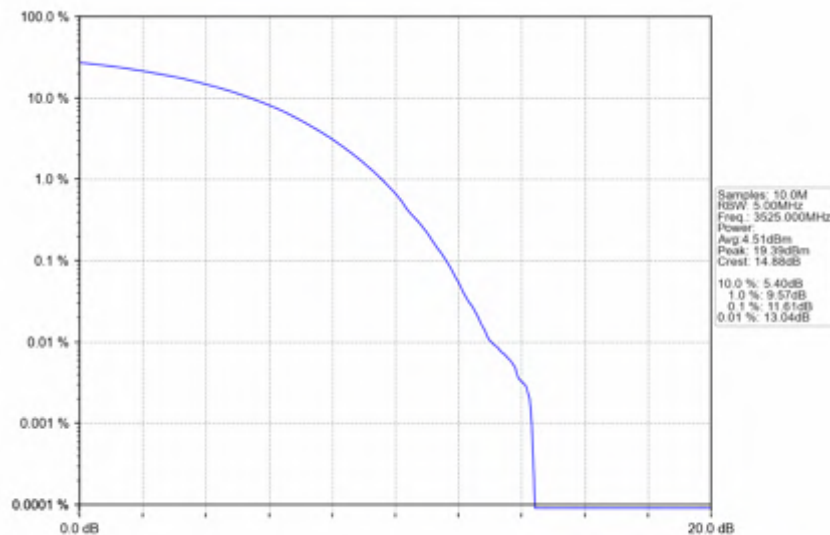


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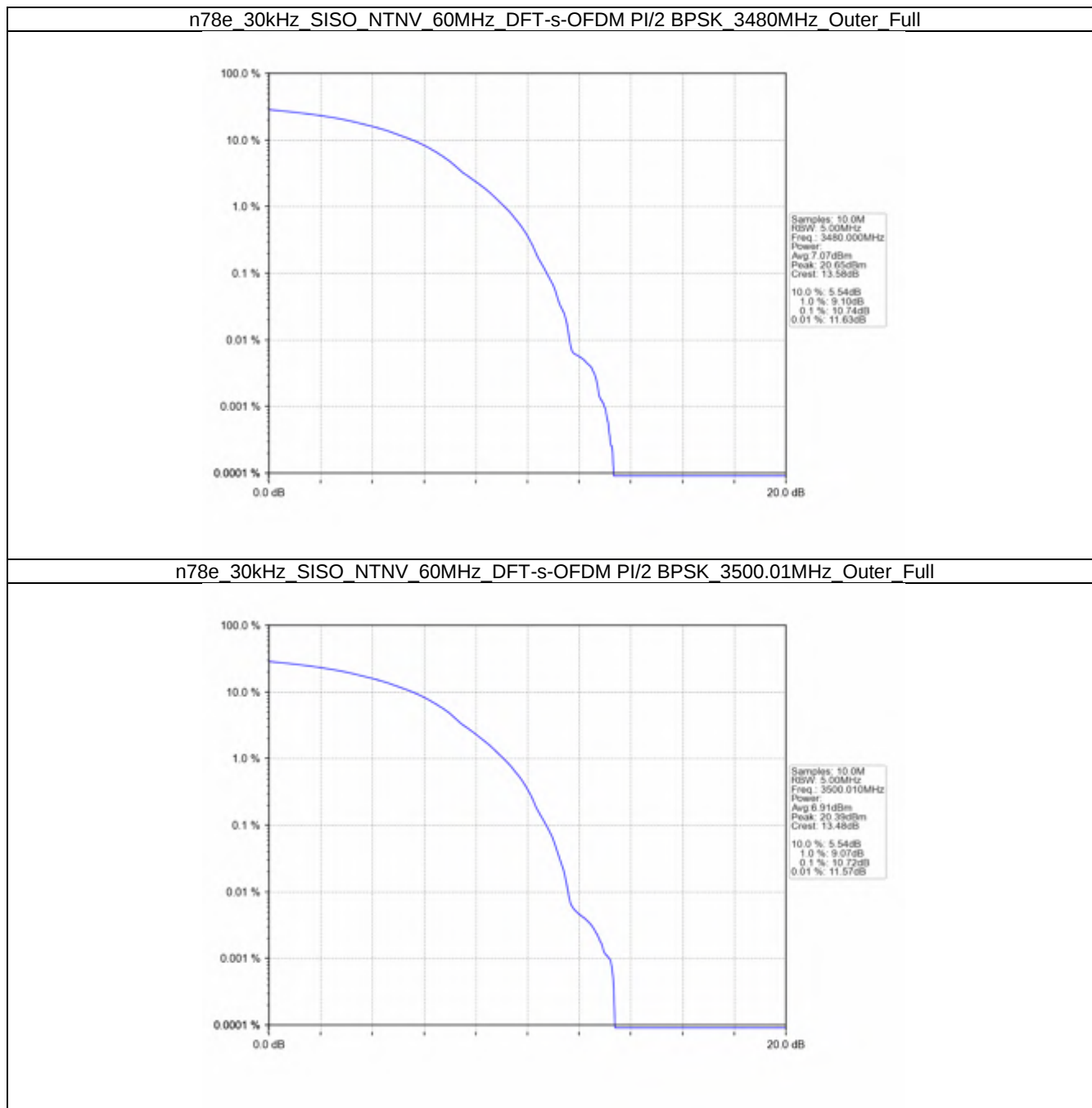
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9.15 30k_SISO_60MHz_NTNV

9.15.1 Test Result

5G NR n78e SCS=30kHz SISO 60MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3480	Outer_Full	10.74	/	/	<=13	Pass
	3500.01	Outer_Full	10.72	/	/	<=13	Pass
	3519.99	Outer_Full	10.74	/	/	<=13	Pass
DFT-s-OFDM QPSK	3480	Outer_Full	11.01	/	/	<=13	Pass
	3500.01	Outer_Full	10.91	/	/	<=13	Pass
	3519.99	Outer_Full	11.04	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3480	Outer_Full	11.59	/	/	<=13	Pass
	3500.01	Outer_Full	11.53	/	/	<=13	Pass
	3519.99	Outer_Full	11.69	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3480	Outer_Full	11.43	/	/	<=13	Pass
	3500.01	Outer_Full	11.33	/	/	<=13	Pass
	3519.99	Outer_Full	11.33	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3480	Outer_Full	11.50	/	/	<=13	Pass
	3500.01	Outer_Full	11.43	/	/	<=13	Pass
	3519.99	Outer_Full	11.40	/	/	<=13	Pass
CP-OFDM QPSK	3480	Outer_Full	11.89	/	/	<=13	Pass
	3500.01	Outer_Full	11.63	/	/	<=13	Pass
	3519.99	Outer_Full	11.85	/	/	<=13	Pass
CP-OFDM 16 QAM	3480	Outer_Full	11.56	/	/	<=13	Pass
	3500.01	Outer_Full	11.67	/	/	<=13	Pass
	3519.99	Outer_Full	11.76	/	/	<=13	Pass
CP-OFDM 64 QAM	3480	Outer_Full	11.59	/	/	<=13	Pass
	3500.01	Outer_Full	11.90	/	/	<=13	Pass
	3519.99	Outer_Full	11.67	/	/	<=13	Pass
CP-OFDM 256 QAM	3480	Outer_Full	11.73	/	/	<=13	Pass
	3500.01	Outer_Full	11.70	/	/	<=13	Pass
	3519.99	Outer_Full	11.53	/	/	<=13	Pass

9.15.2 Test Graph



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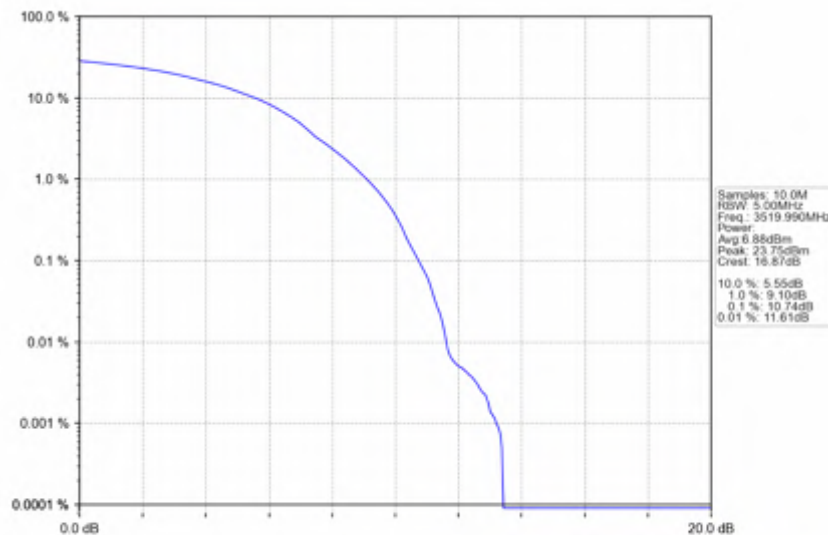
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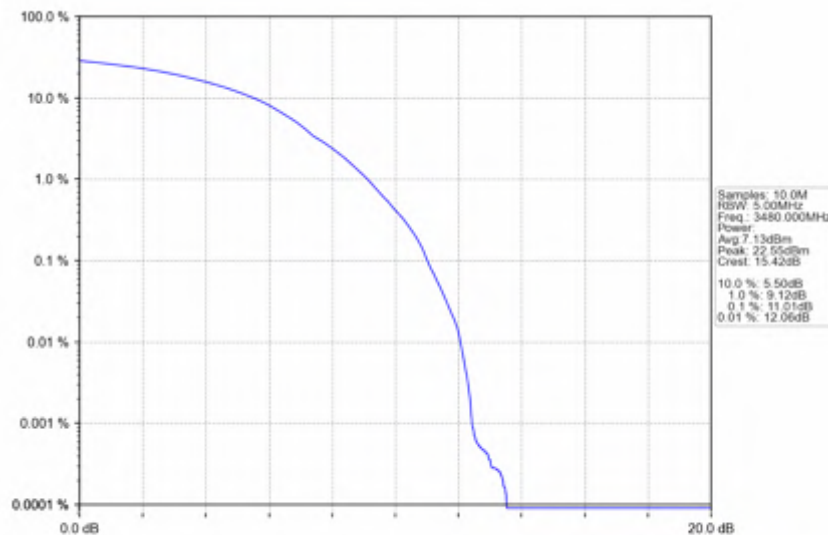
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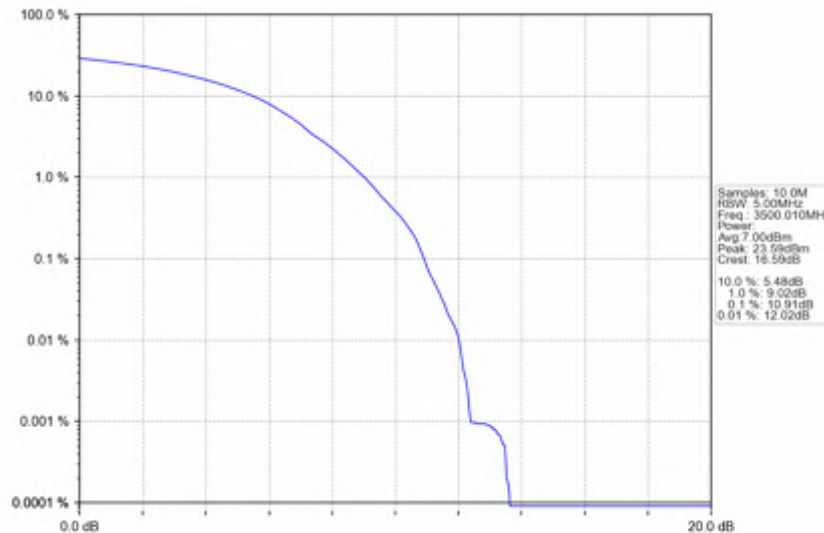
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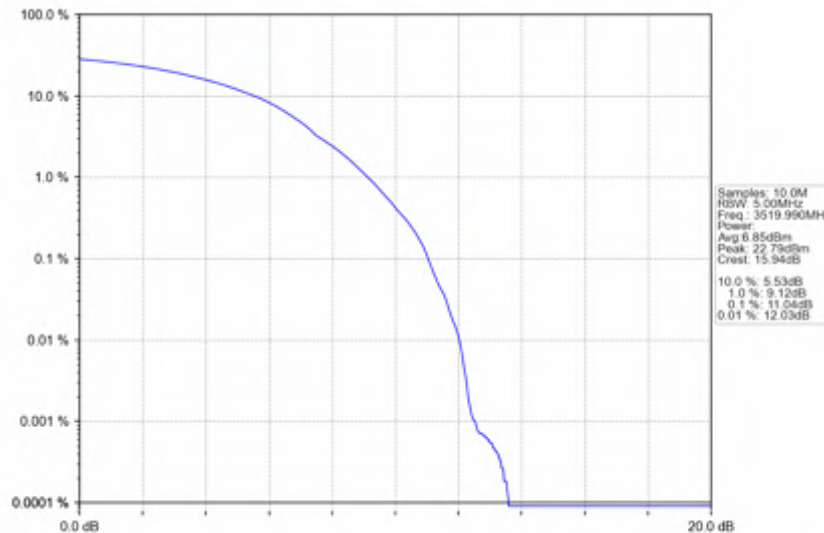
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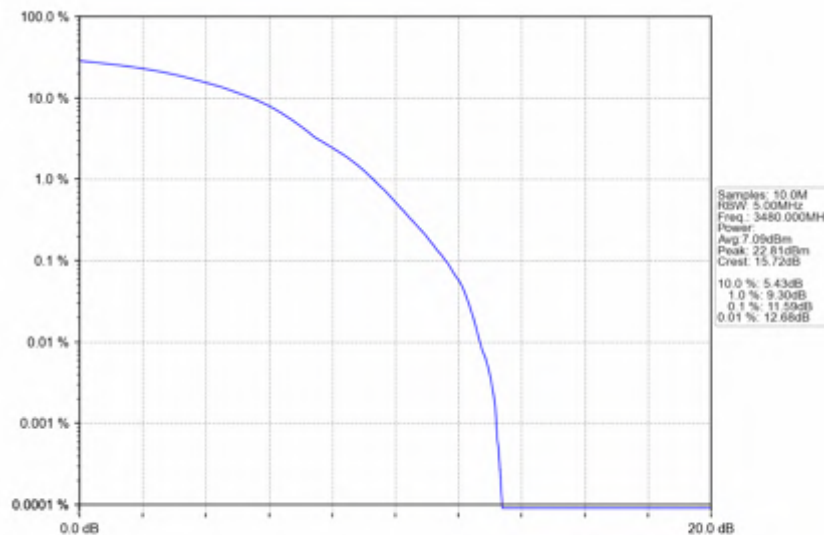
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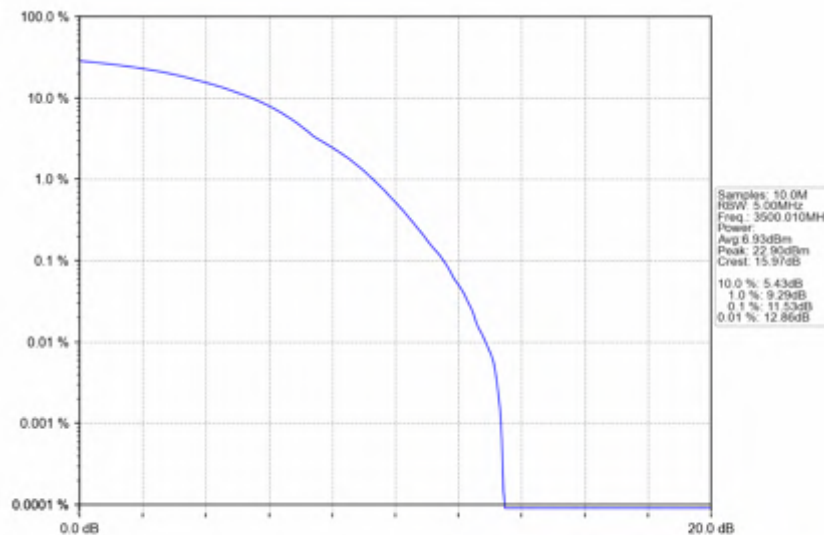
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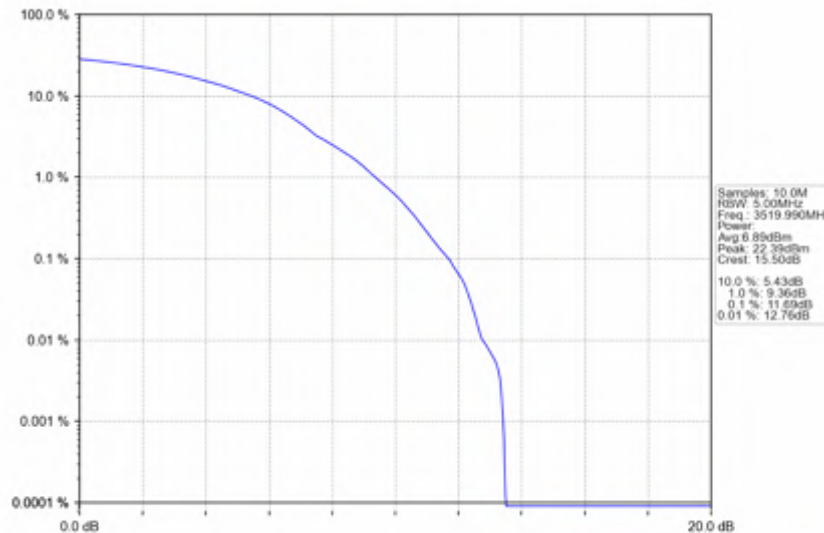


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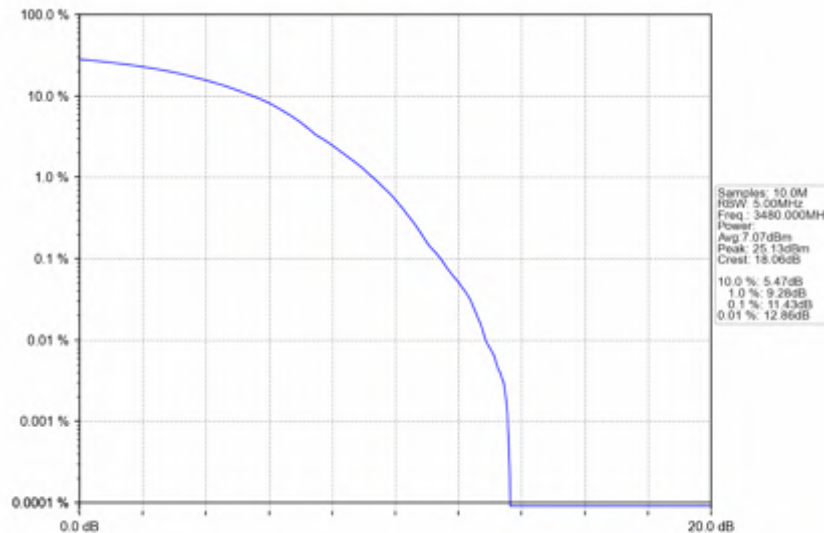
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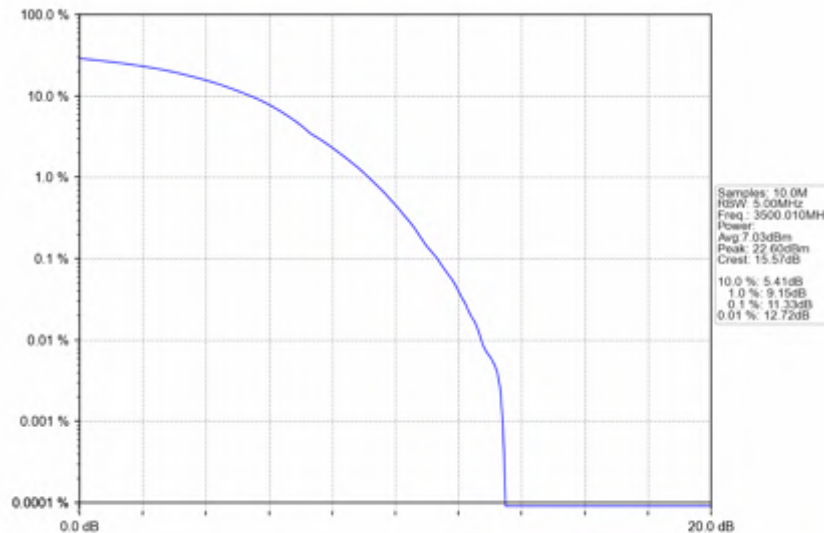
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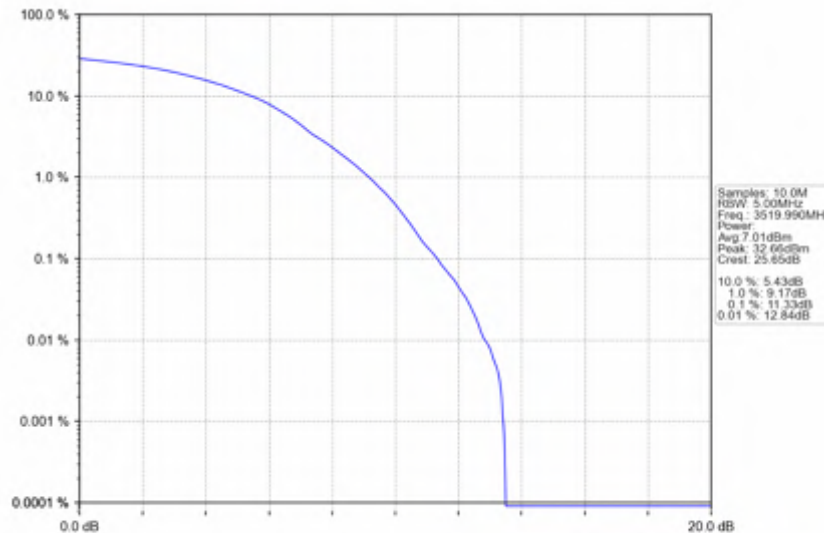
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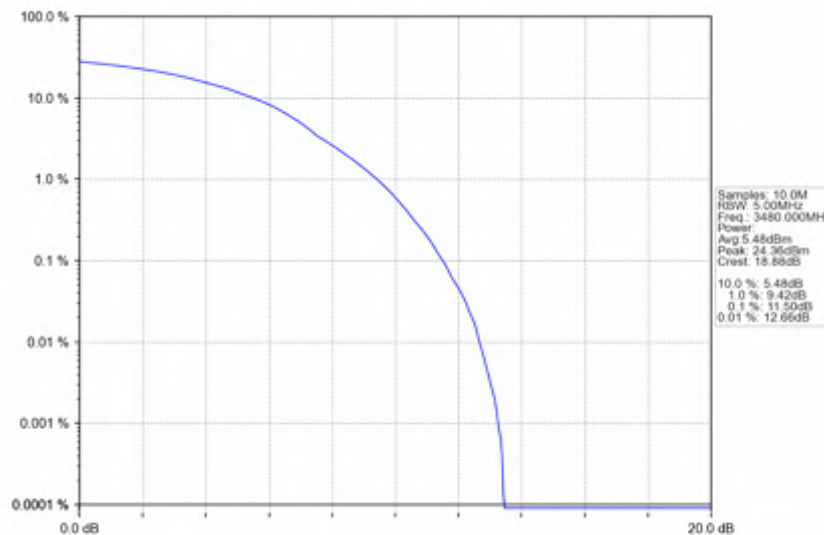


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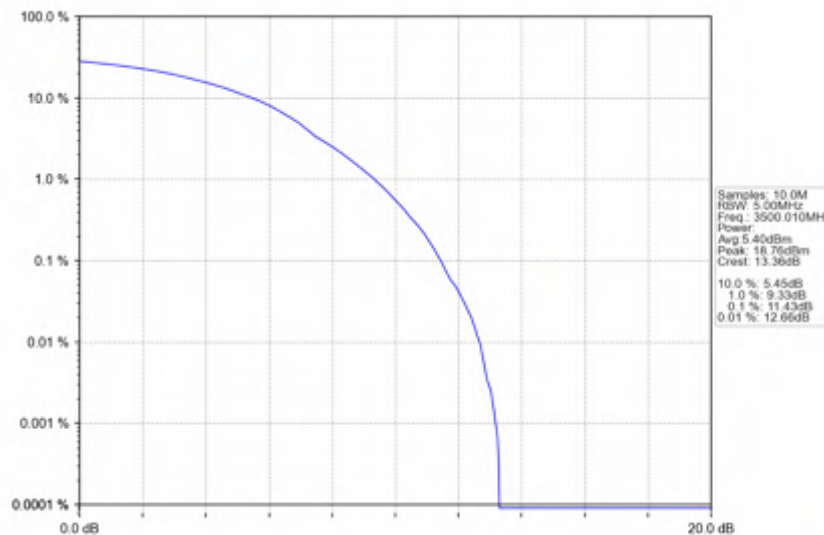
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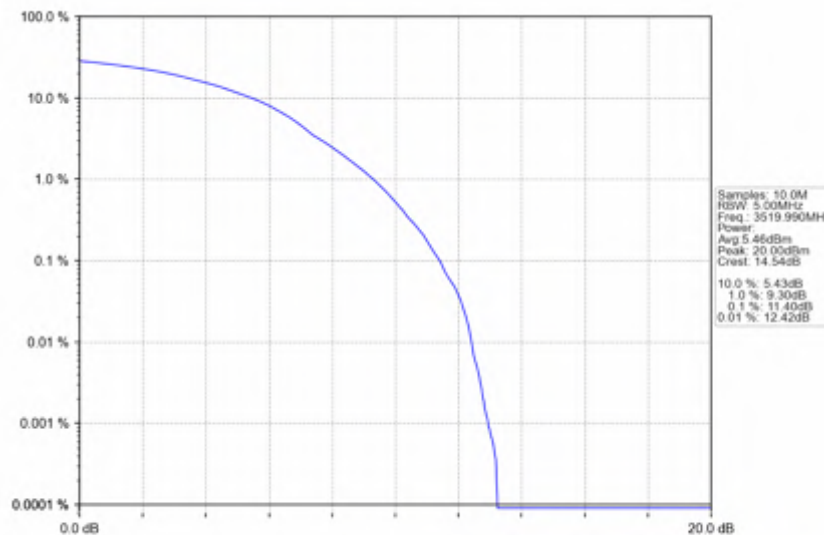
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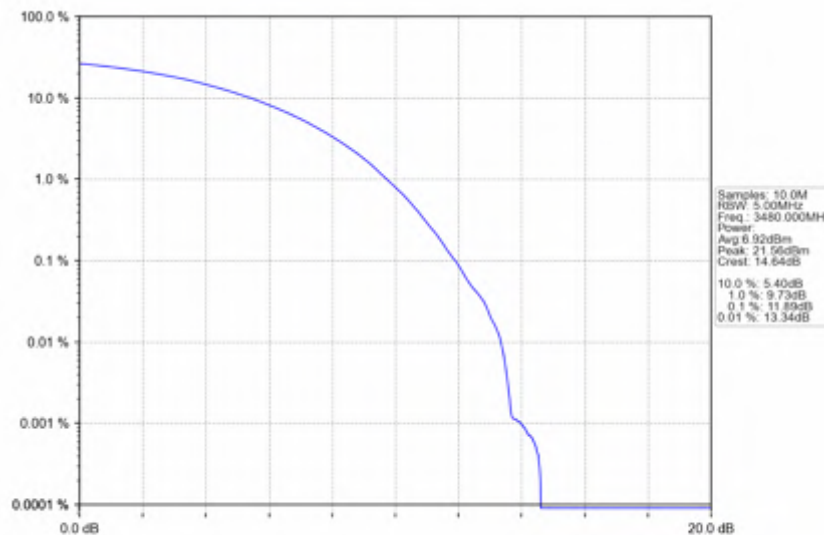
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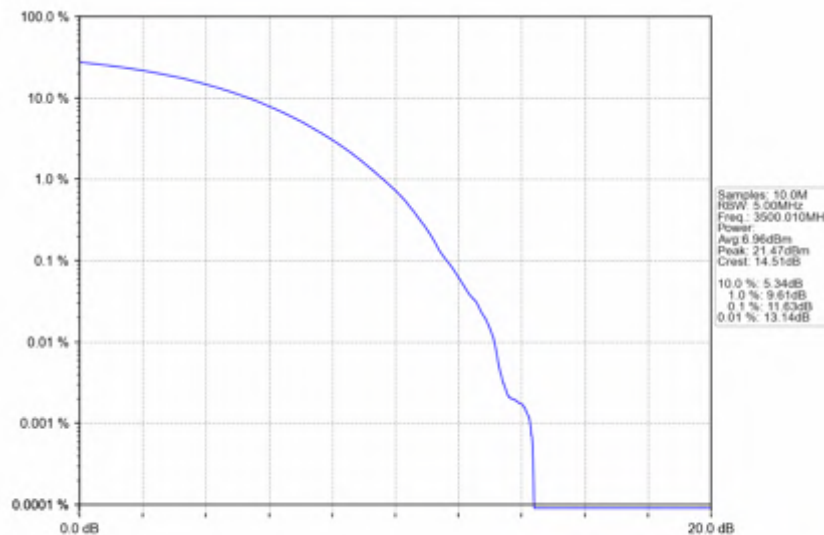
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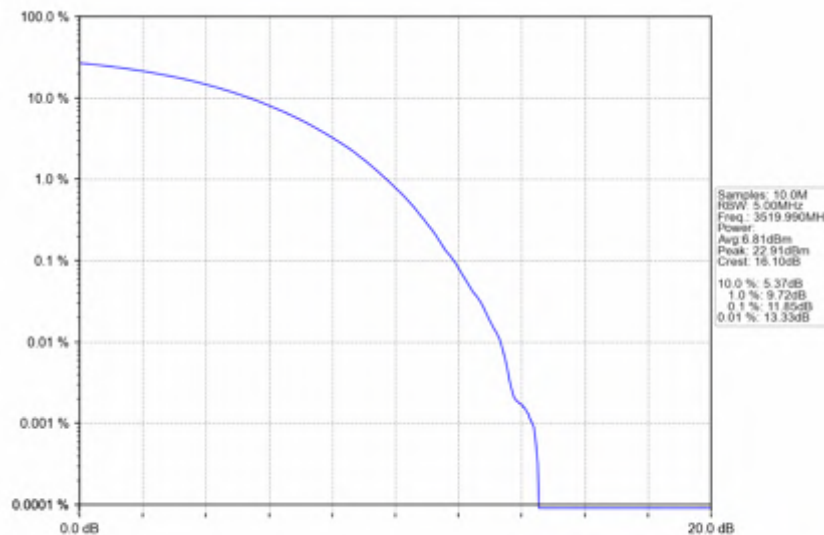
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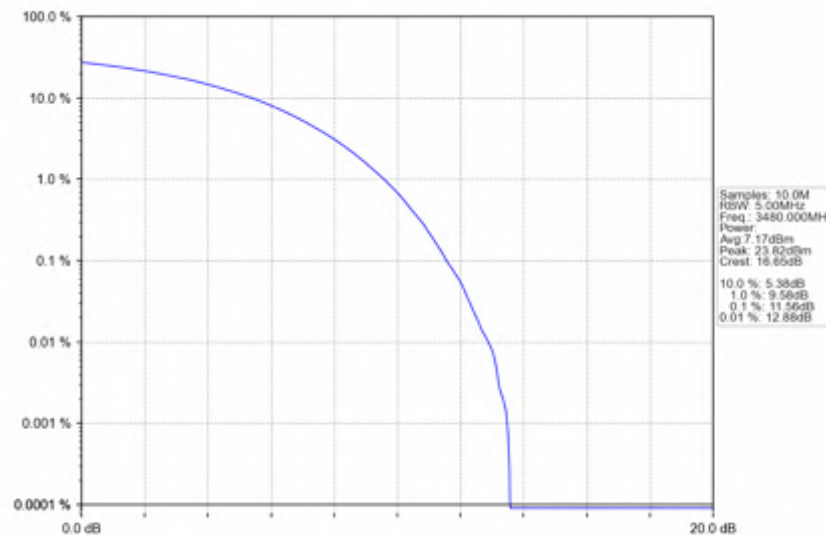


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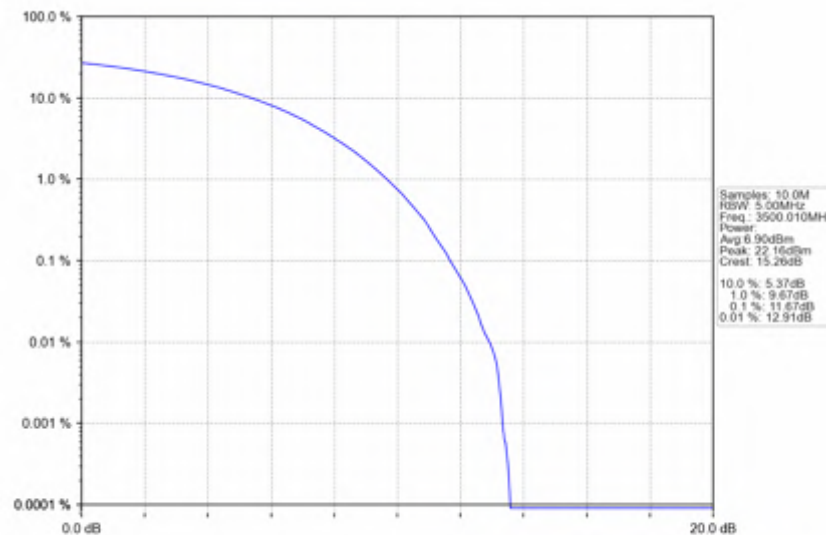
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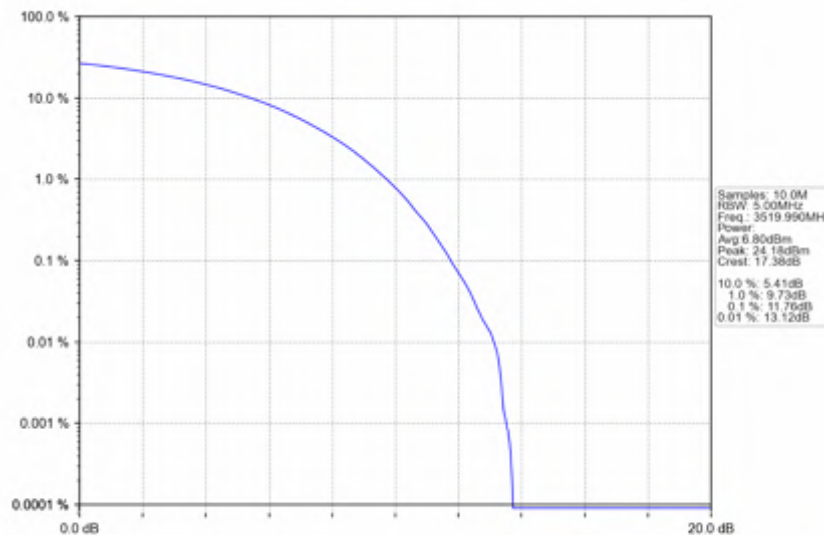


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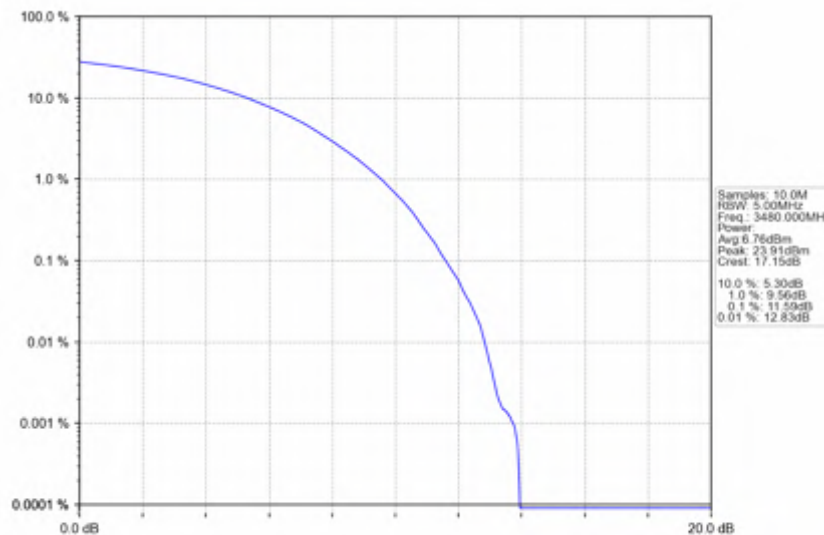
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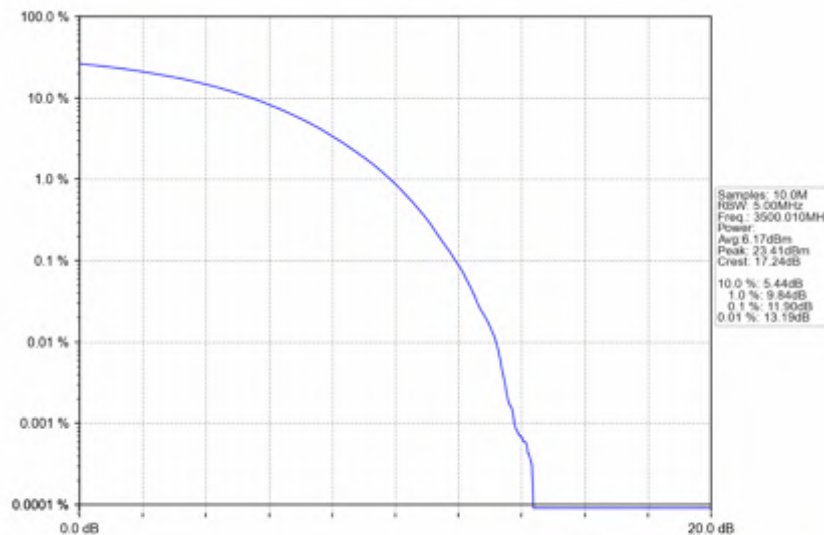
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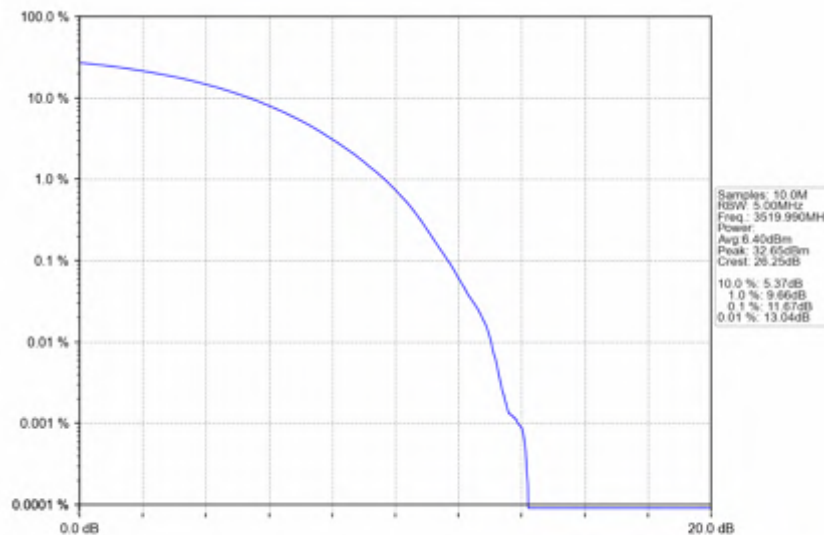
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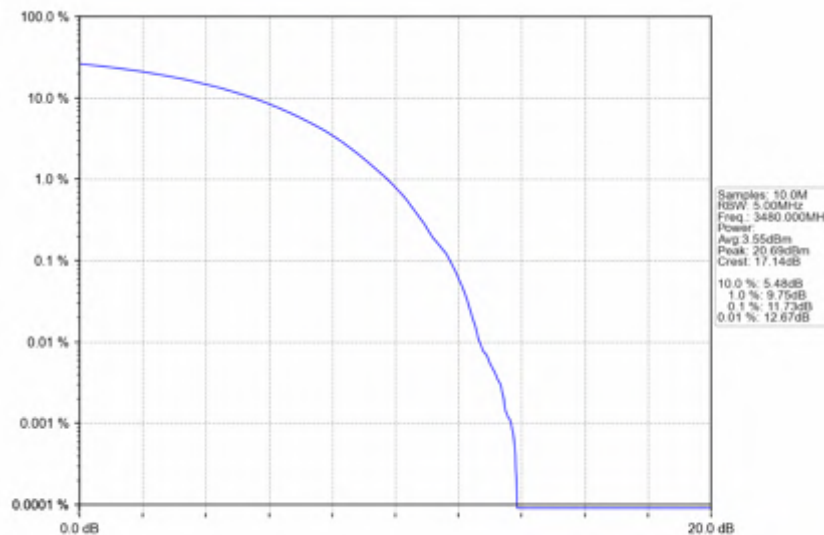


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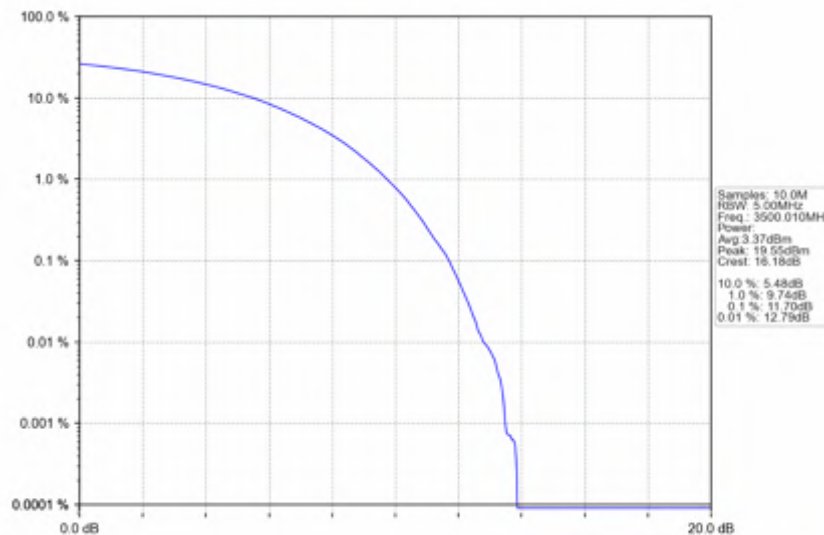
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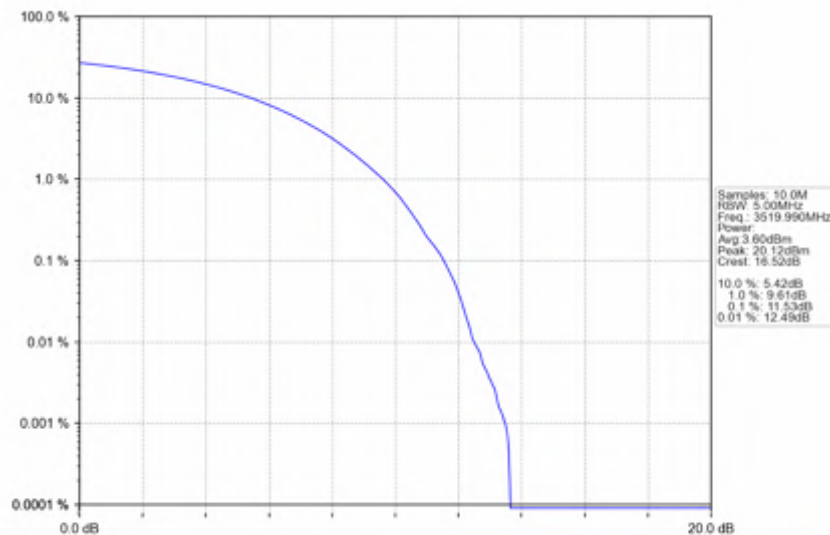
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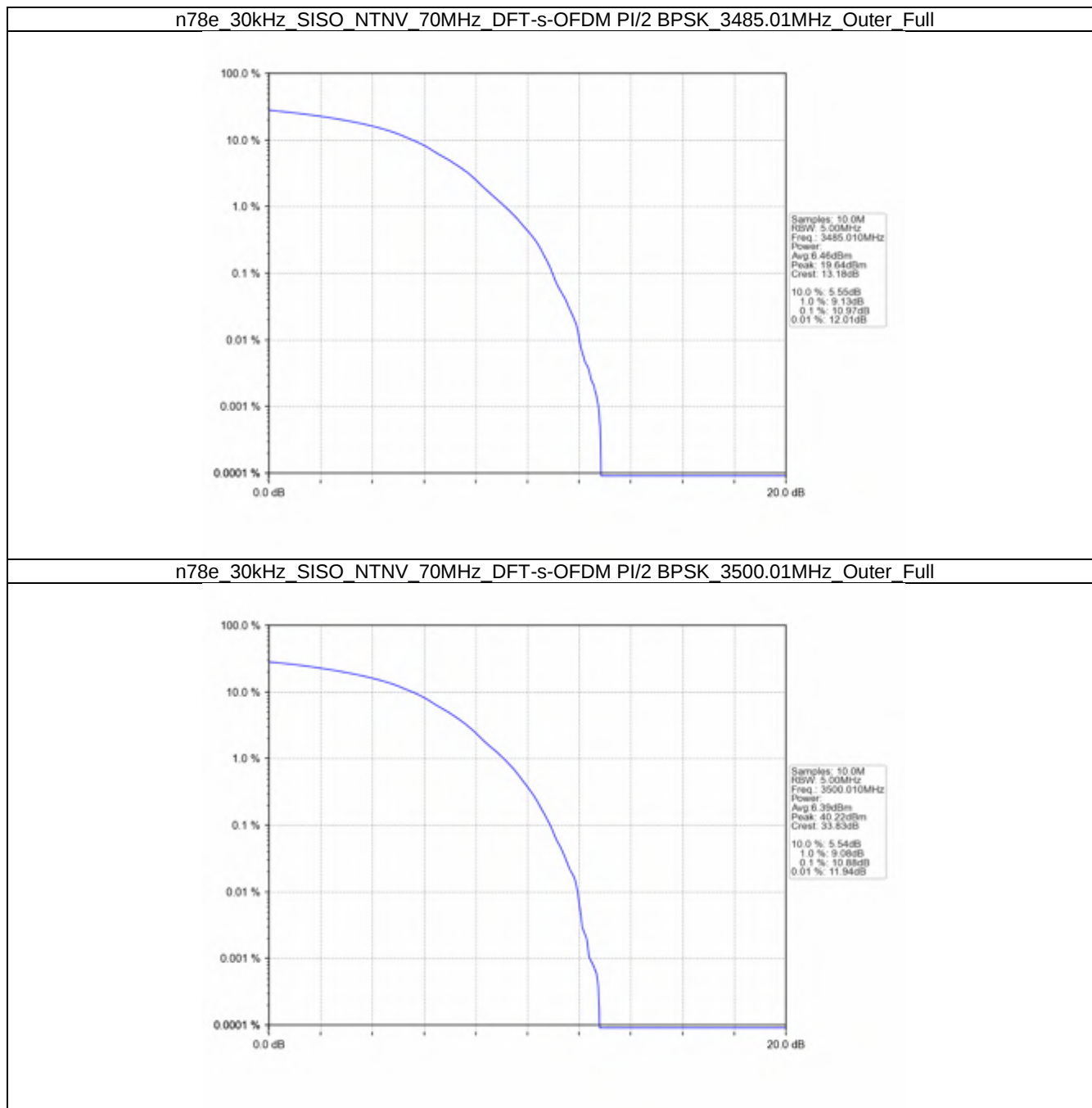
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9.16 30k_SISO_70MHz_NTNV

9.16.1 Test Result

5G NR n78e SCS=30kHz SISO 70MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3485.01	Outer_Full	10.97	/	/	<=13	Pass
	3500.01	Outer_Full	10.88	/	/	<=13	Pass
	3514.98	Outer_Full	10.83	/	/	<=13	Pass
DFT-s-OFDM QPSK	3485.01	Outer_Full	11.27	/	/	<=13	Pass
	3500.01	Outer_Full	11.27	/	/	<=13	Pass
	3514.98	Outer_Full	11.23	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3485.01	Outer_Full	11.42	/	/	<=13	Pass
	3500.01	Outer_Full	11.40	/	/	<=13	Pass
	3514.98	Outer_Full	11.44	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3485.01	Outer_Full	11.67	/	/	<=13	Pass
	3500.01	Outer_Full	11.23	/	/	<=13	Pass
	3514.98	Outer_Full	11.53	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3485.01	Outer_Full	11.39	/	/	<=13	Pass
	3500.01	Outer_Full	11.63	/	/	<=13	Pass
	3514.98	Outer_Full	11.65	/	/	<=13	Pass
CP-OFDM QPSK	3485.01	Outer_Full	11.61	/	/	<=13	Pass
	3500.01	Outer_Full	11.57	/	/	<=13	Pass
	3514.98	Outer_Full	11.46	/	/	<=13	Pass
CP-OFDM 16 QAM	3485.01	Outer_Full	11.61	/	/	<=13	Pass
	3500.01	Outer_Full	11.77	/	/	<=13	Pass
	3514.98	Outer_Full	11.71	/	/	<=13	Pass
CP-OFDM 64 QAM	3485.01	Outer_Full	11.63	/	/	<=13	Pass
	3500.01	Outer_Full	11.63	/	/	<=13	Pass
	3514.98	Outer_Full	11.66	/	/	<=13	Pass
CP-OFDM 256 QAM	3485.01	Outer_Full	11.65	/	/	<=13	Pass
	3500.01	Outer_Full	11.62	/	/	<=13	Pass
	3514.98	Outer_Full	11.79	/	/	<=13	Pass

9.16.2 Test Graph



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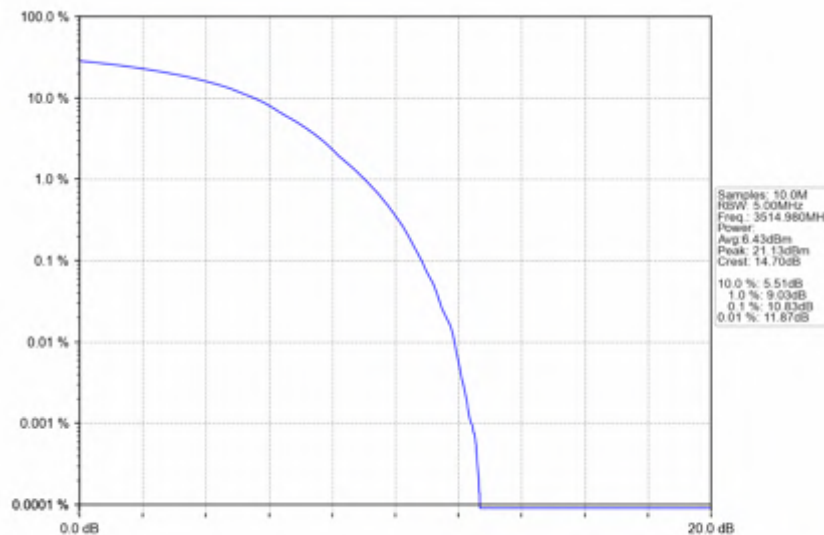
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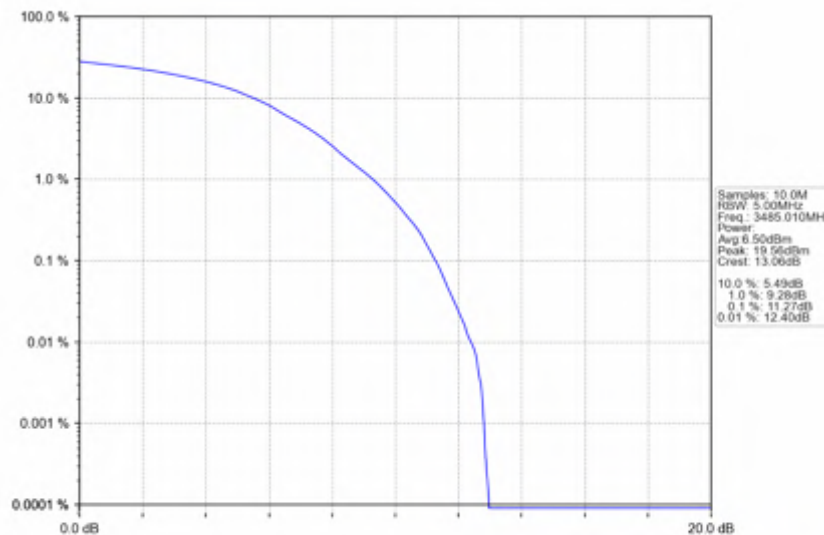
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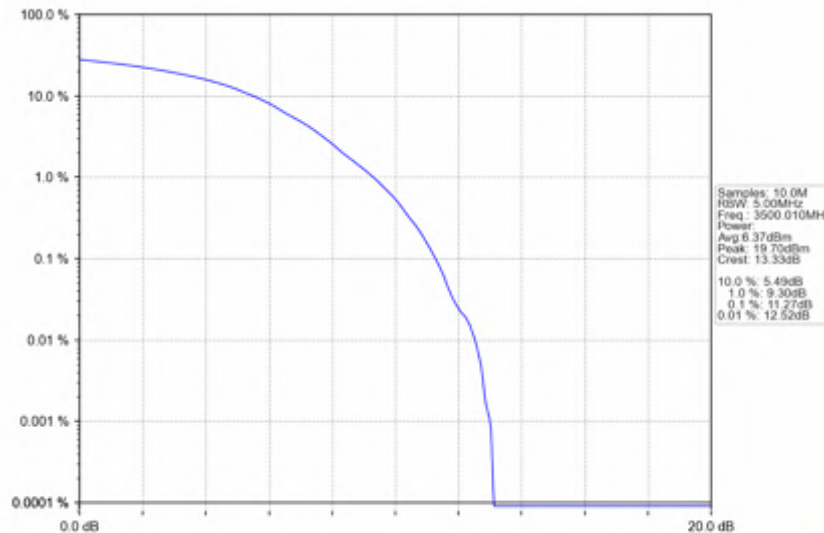


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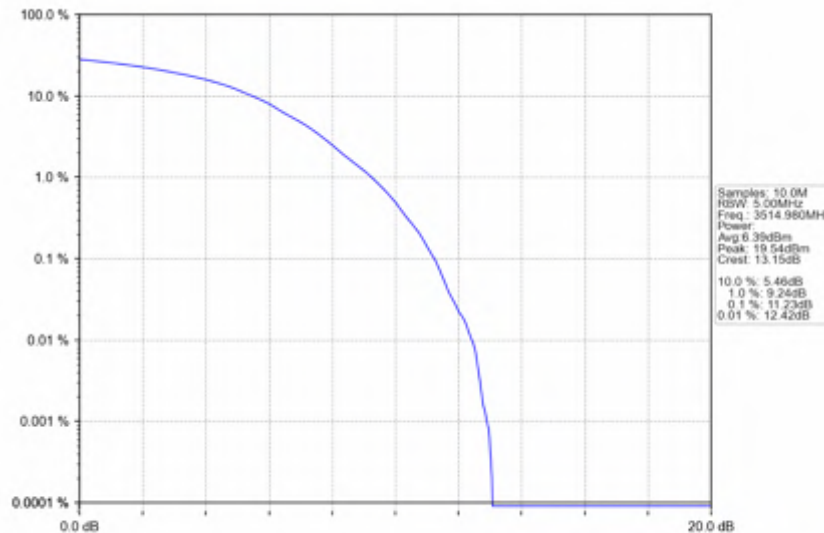
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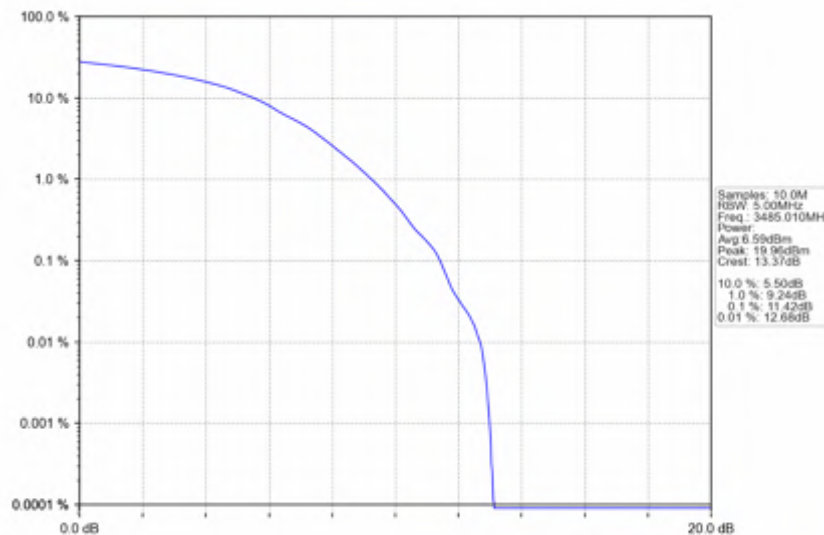
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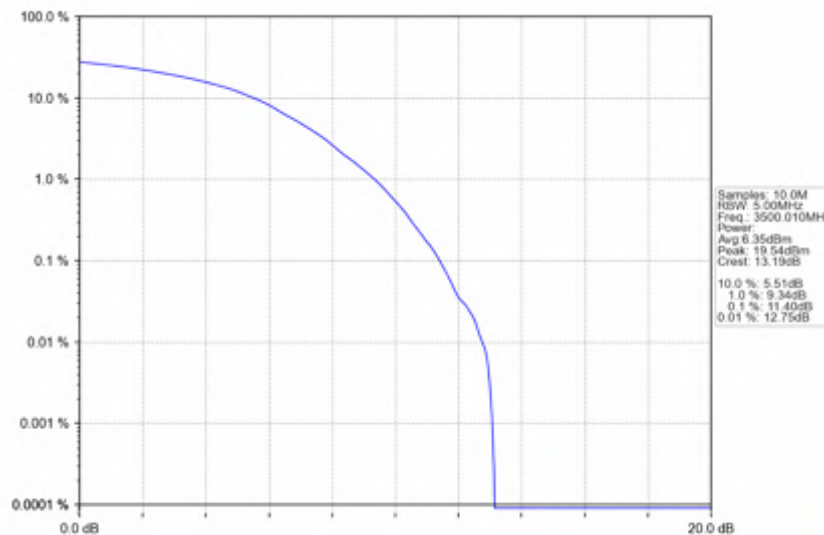
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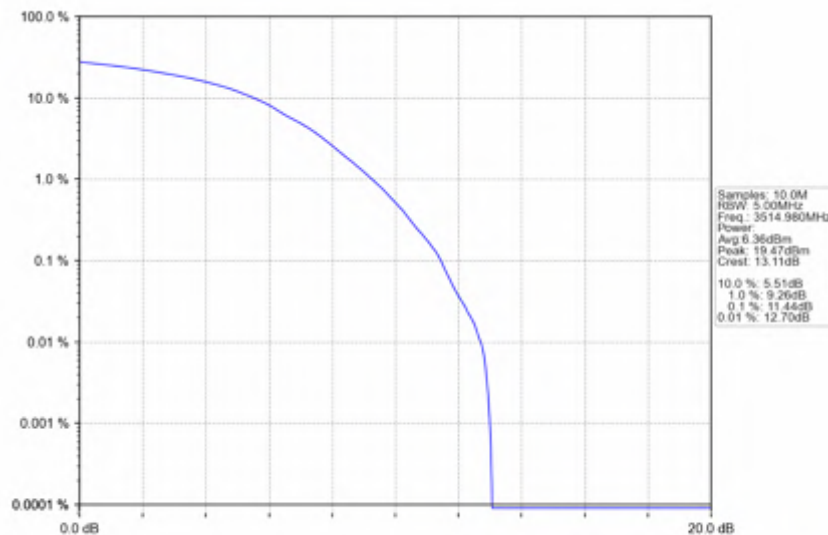


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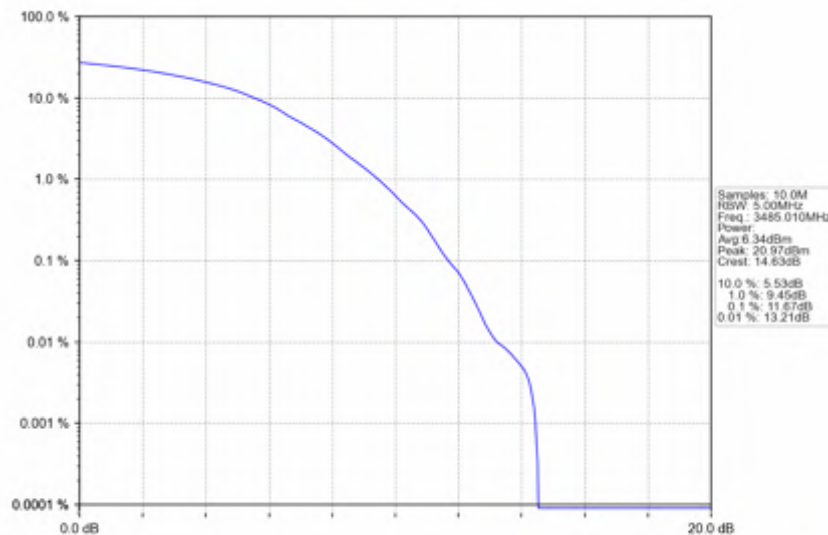
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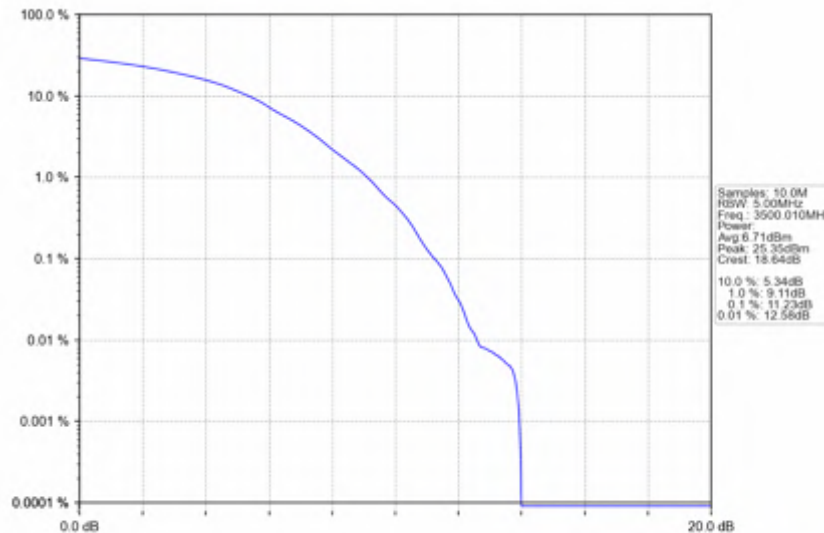
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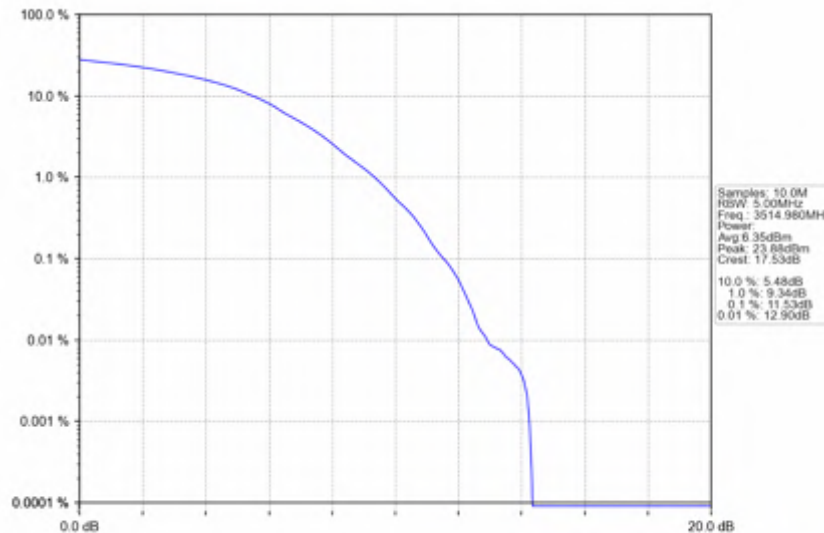
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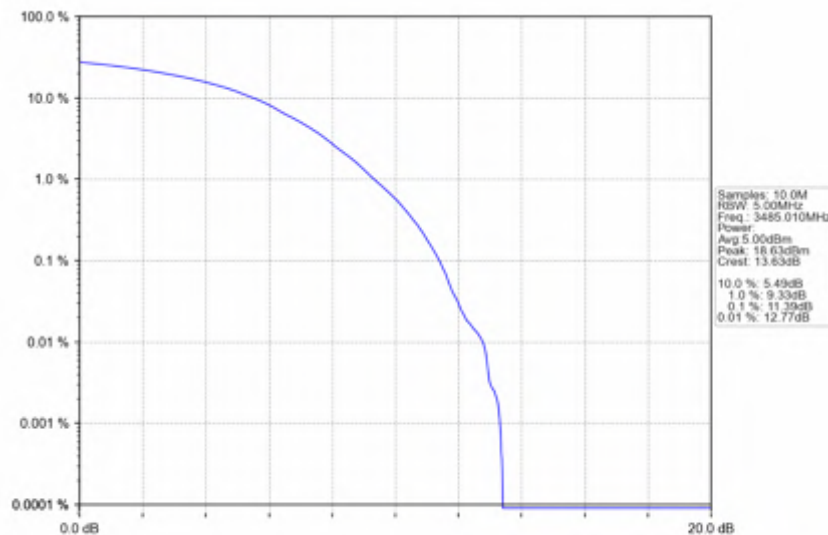


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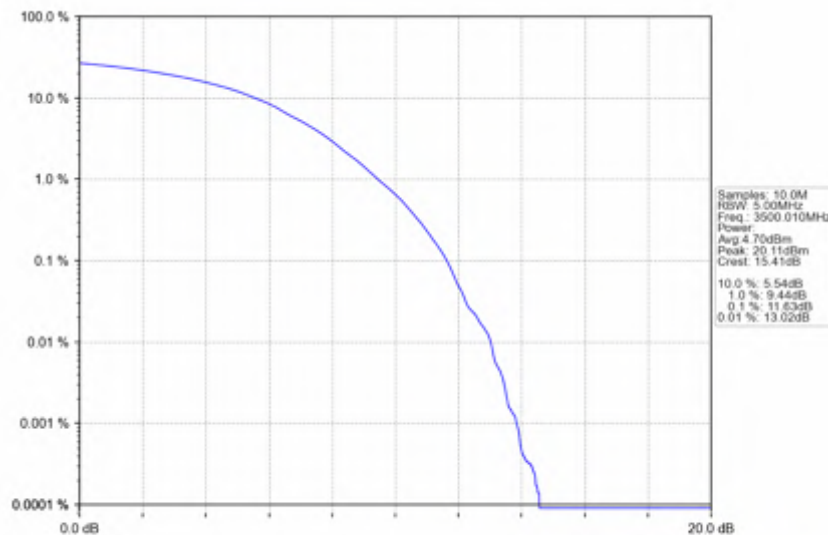
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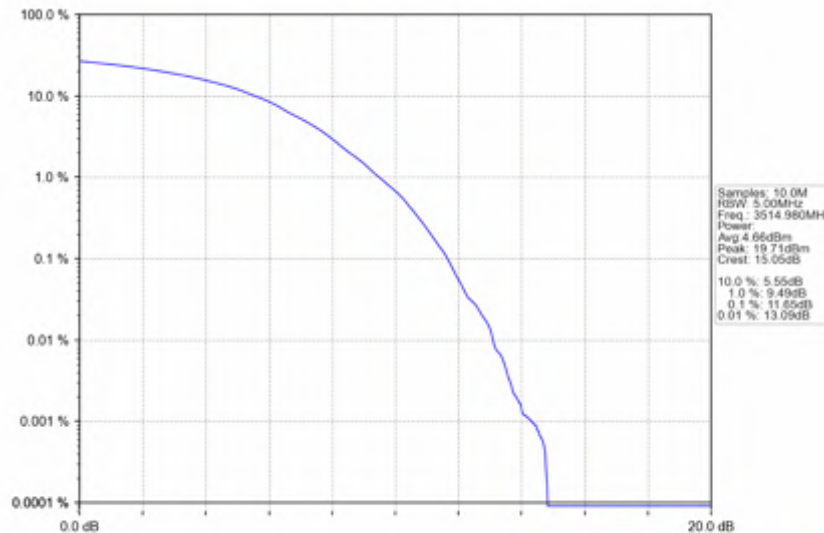
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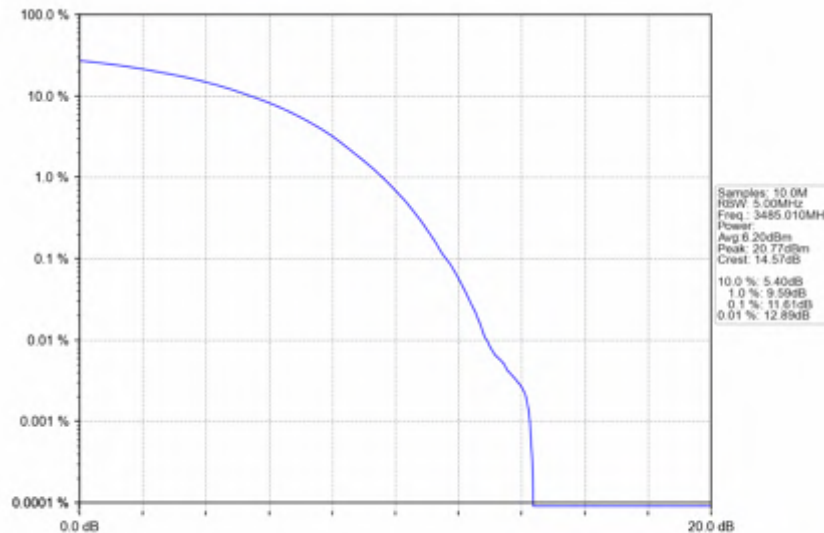
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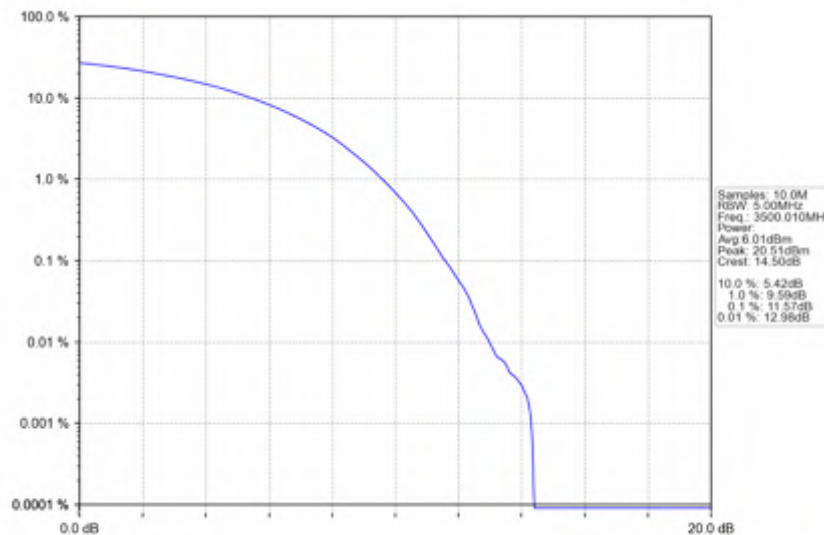


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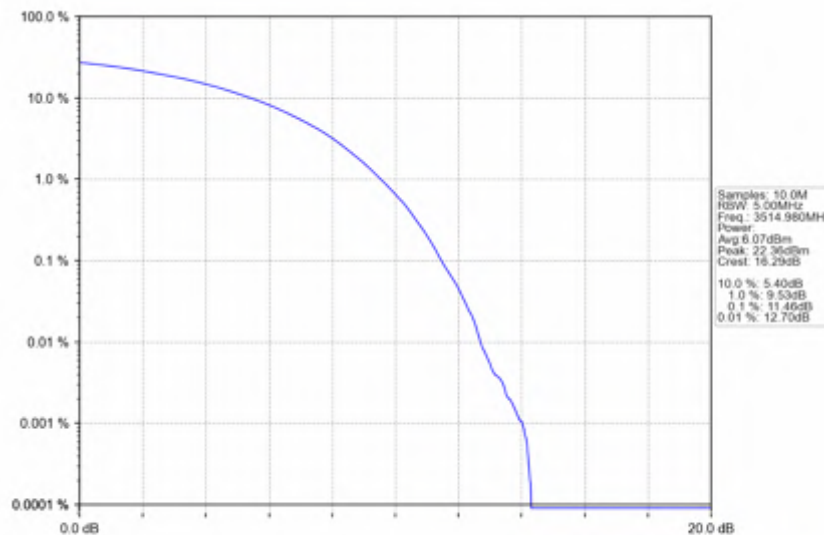
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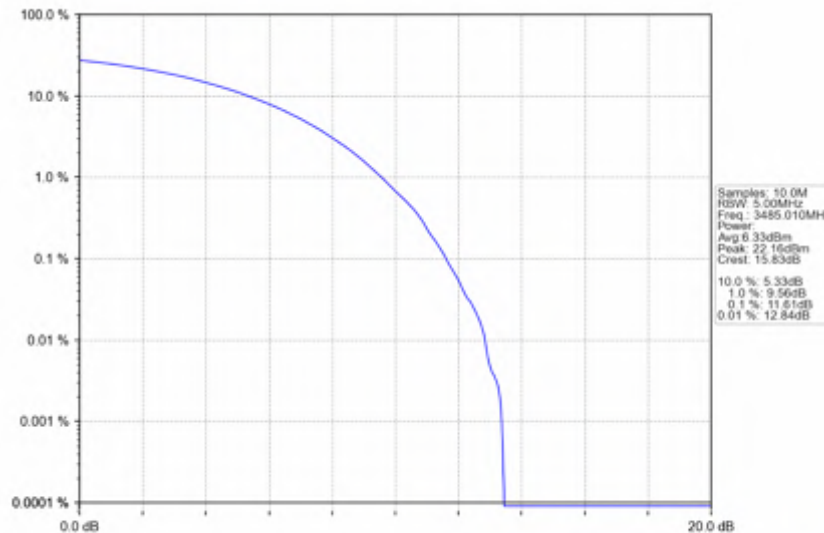
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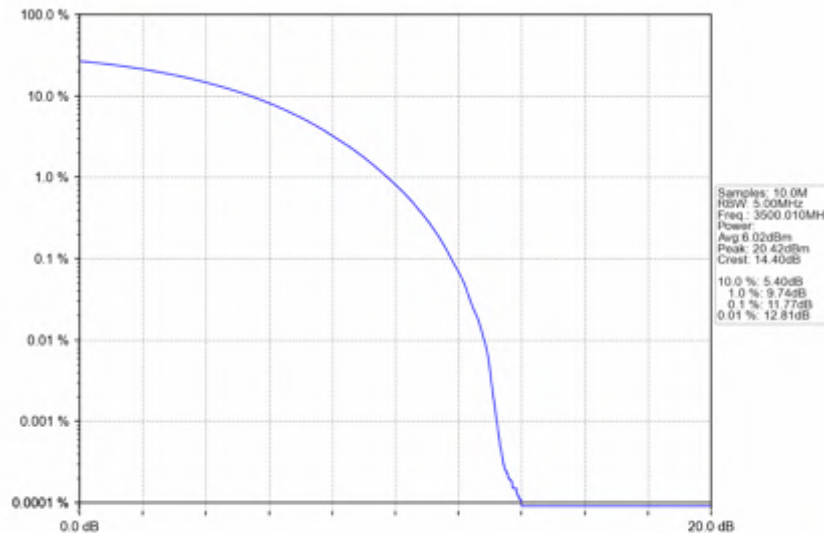
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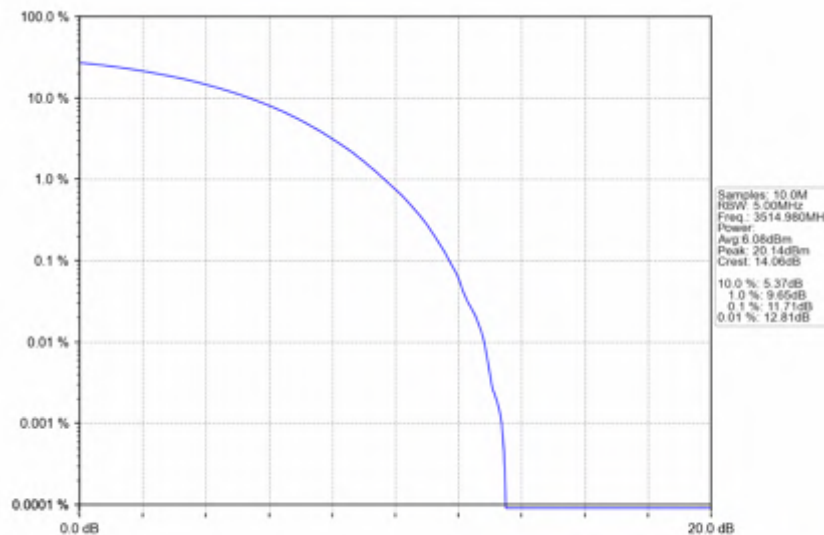
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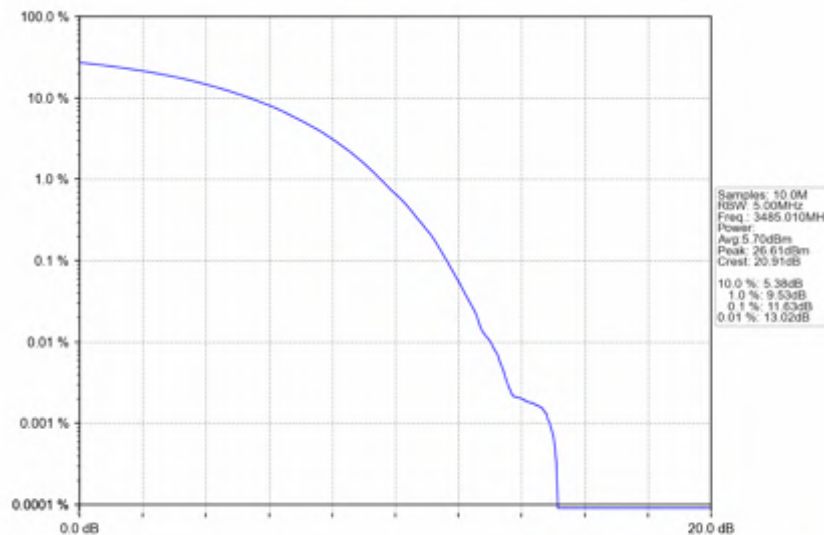
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n78e_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM_3514.98MHz_Outer_Full



n78e_30kHz_SISO_NTNV_70MHz_CP-OFDM 64 QAM_3485.01MHz_Outer_Full



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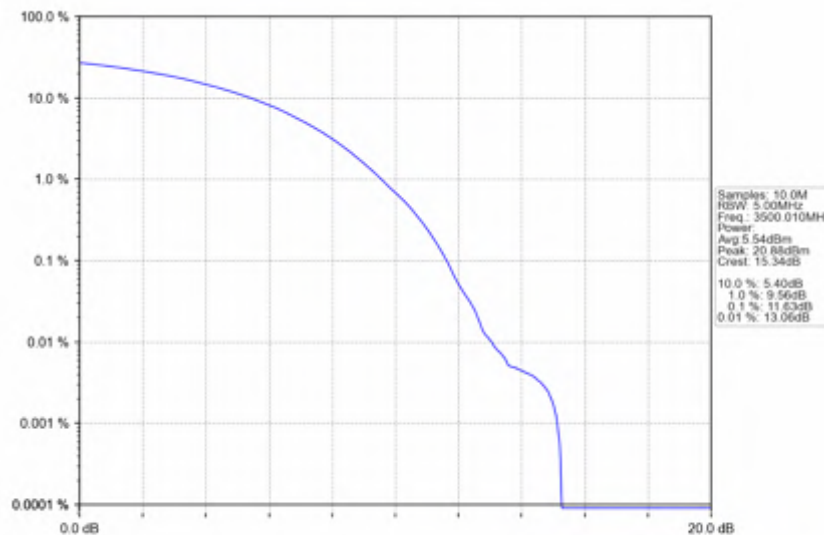
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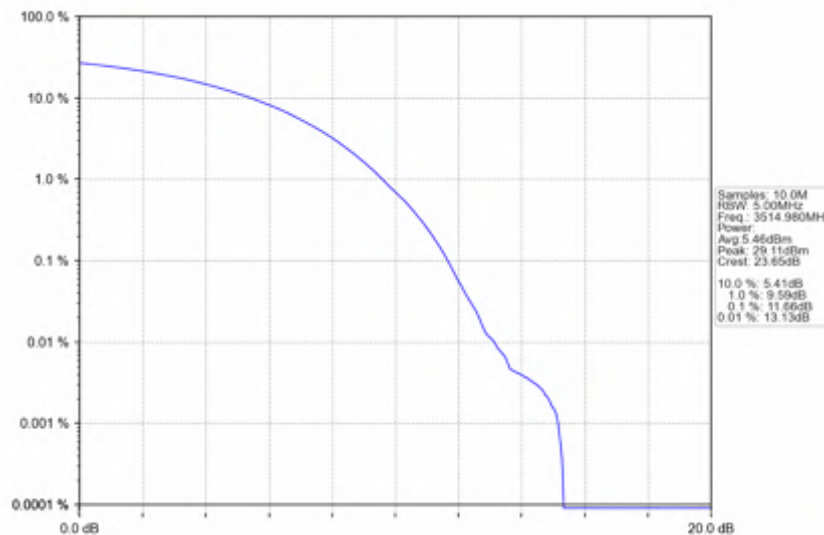
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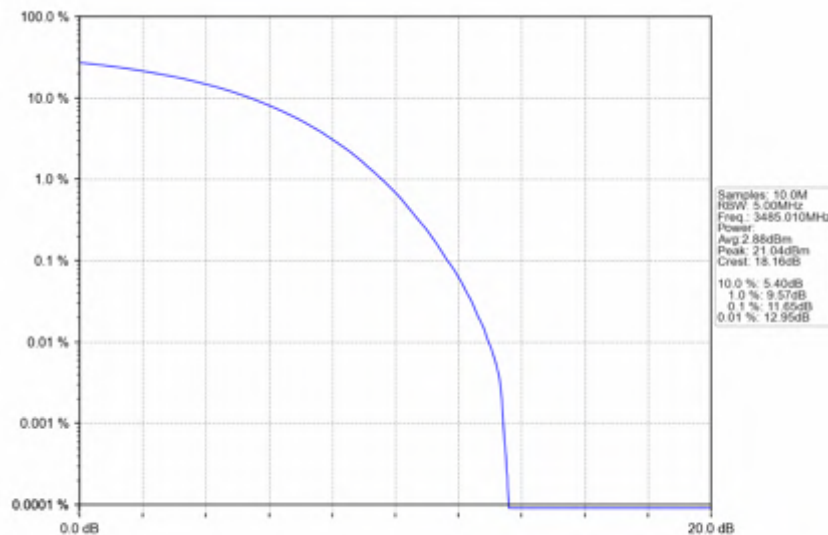
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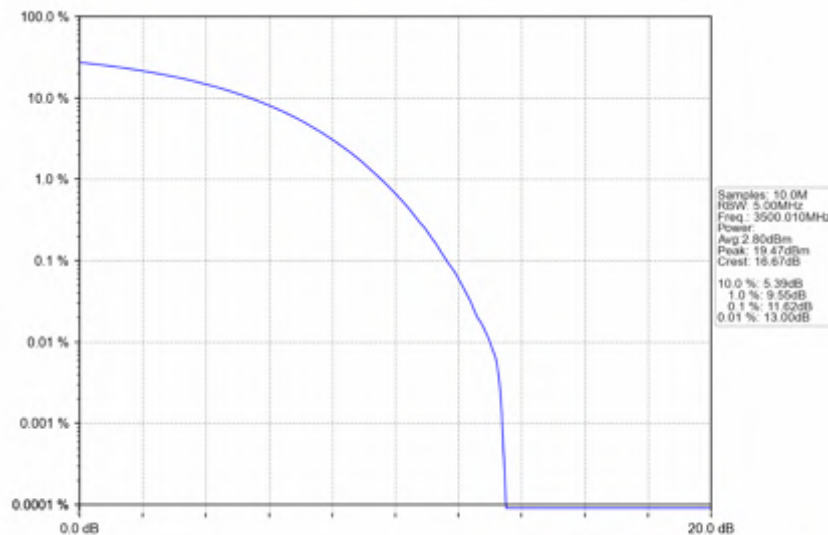
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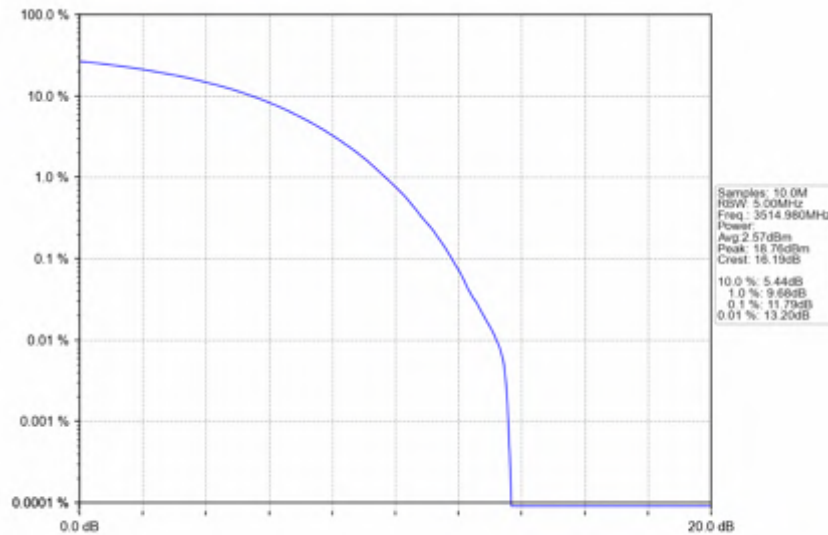
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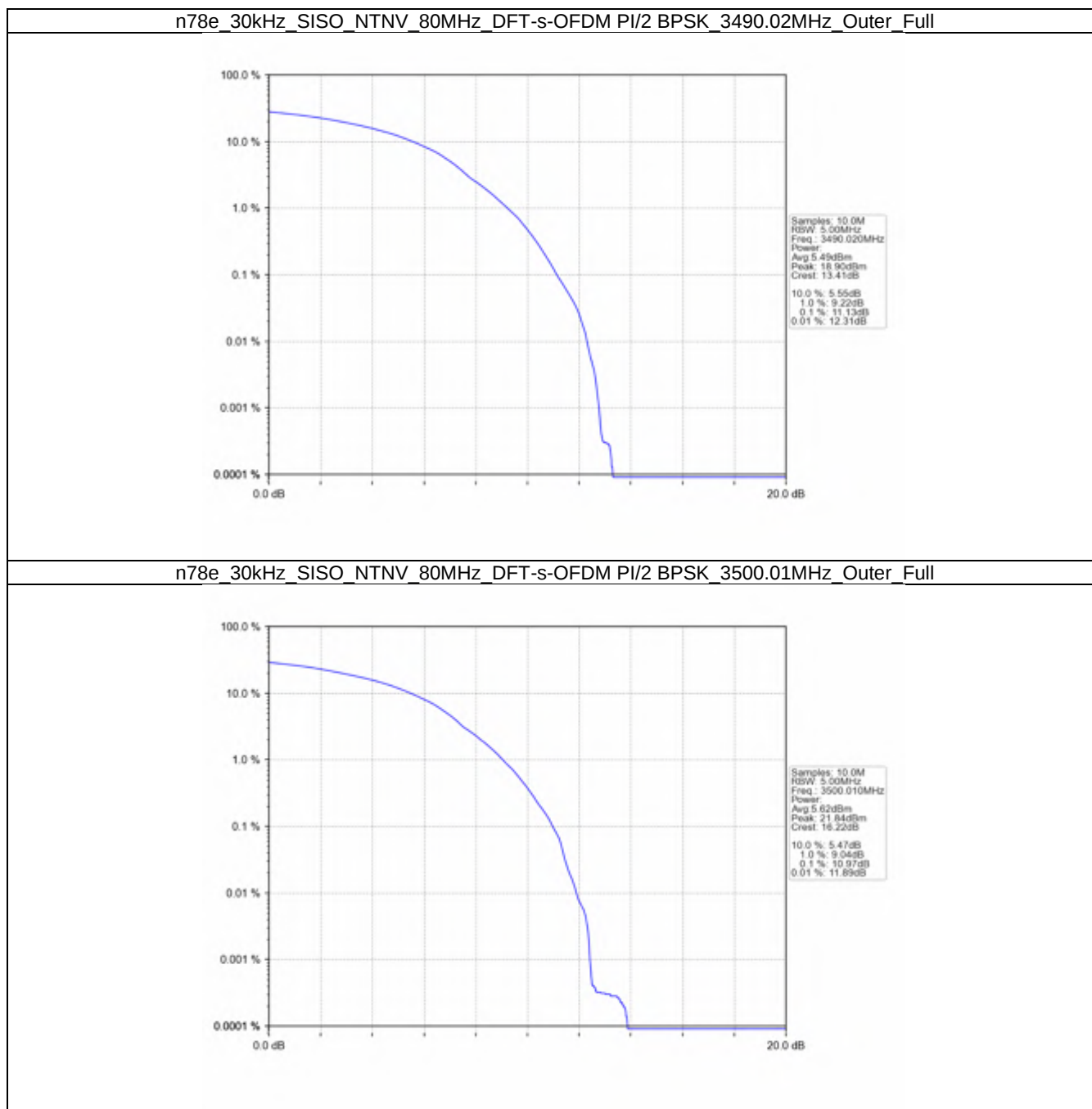
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9.17 30k_SISO_80MHz_NTNV

9.17.1 Test Result

5G NR n78e SCS=30kHz SISO 80MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3490.02	Outer_Full	11.13	/	/	<=13	Pass
	3500.01	Outer_Full	10.97	/	/	<=13	Pass
	3510	Outer_Full	10.96	/	/	<=13	Pass
DFT-s-OFDM QPSK	3490.02	Outer_Full	11.60	/	/	<=13	Pass
	3500.01	Outer_Full	11.65	/	/	<=13	Pass
	3510	Outer_Full	11.46	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3490.02	Outer_Full	11.58	/	/	<=13	Pass
	3500.01	Outer_Full	11.19	/	/	<=13	Pass
	3510	Outer_Full	11.21	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3490.02	Outer_Full	11.40	/	/	<=13	Pass
	3500.01	Outer_Full	11.45	/	/	<=13	Pass
	3510	Outer_Full	11.30	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3490.02	Outer_Full	11.63	/	/	<=13	Pass
	3500.01	Outer_Full	11.67	/	/	<=13	Pass
	3510	Outer_Full	11.58	/	/	<=13	Pass
CP-OFDM QPSK	3490.02	Outer_Full	11.76	/	/	<=13	Pass
	3500.01	Outer_Full	11.72	/	/	<=13	Pass
	3510	Outer_Full	11.69	/	/	<=13	Pass
CP-OFDM 16 QAM	3490.02	Outer_Full	11.61	/	/	<=13	Pass
	3500.01	Outer_Full	11.57	/	/	<=13	Pass
	3510	Outer_Full	11.58	/	/	<=13	Pass
CP-OFDM 64 QAM	3490.02	Outer_Full	11.82	/	/	<=13	Pass
	3500.01	Outer_Full	11.62	/	/	<=13	Pass
	3510	Outer_Full	11.68	/	/	<=13	Pass
CP-OFDM 256 QAM	3490.02	Outer_Full	11.69	/	/	<=13	Pass
	3500.01	Outer_Full	11.70	/	/	<=13	Pass
	3510	Outer_Full	11.87	/	/	<=13	Pass

9.17.2 Test Graph



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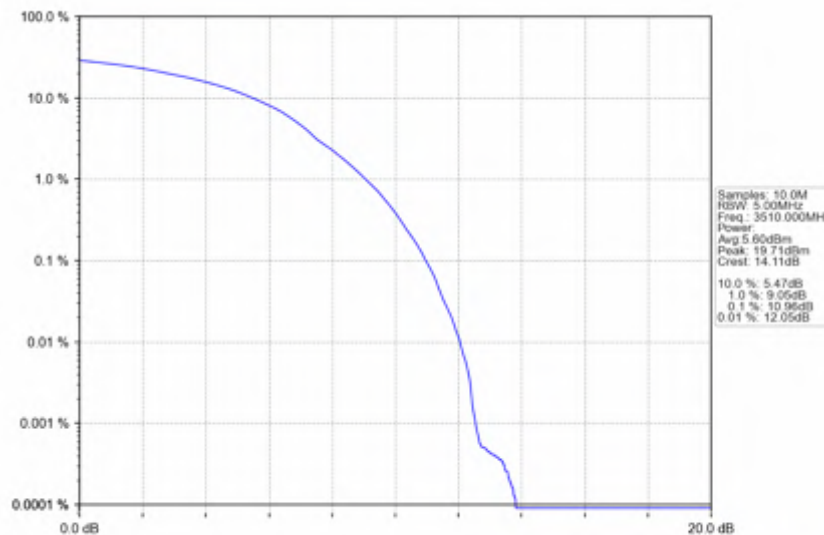
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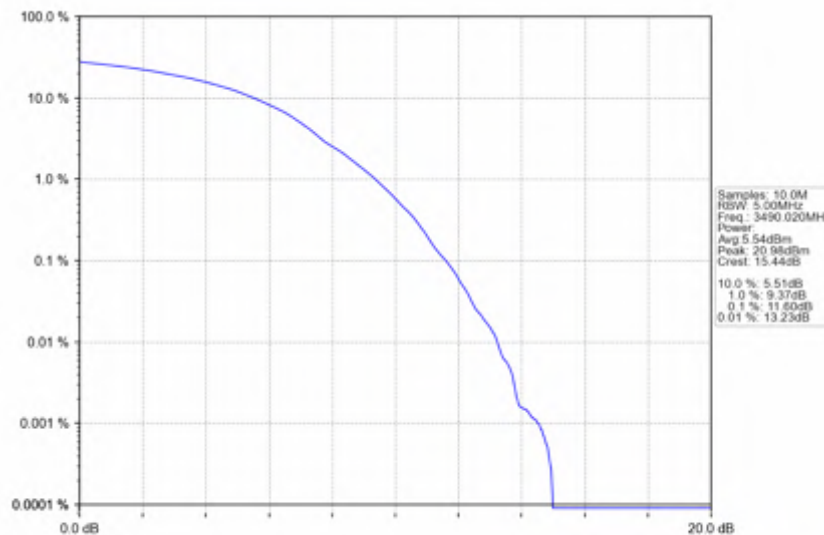
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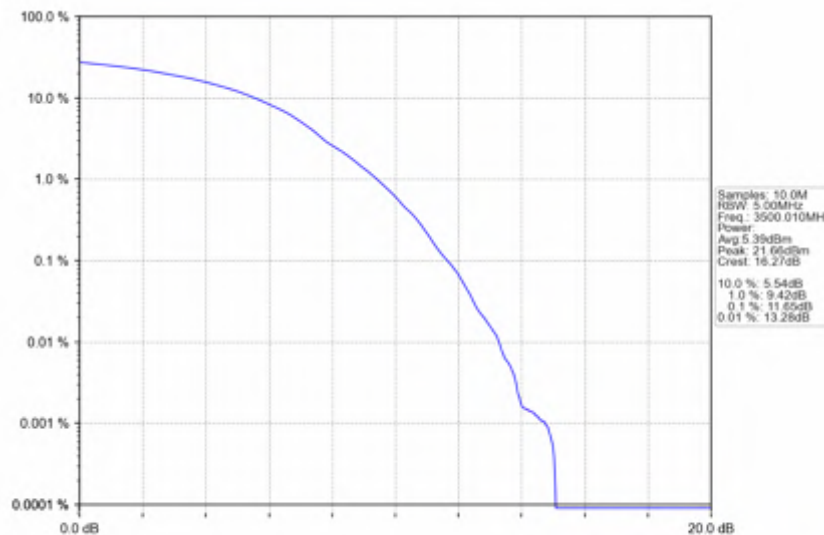
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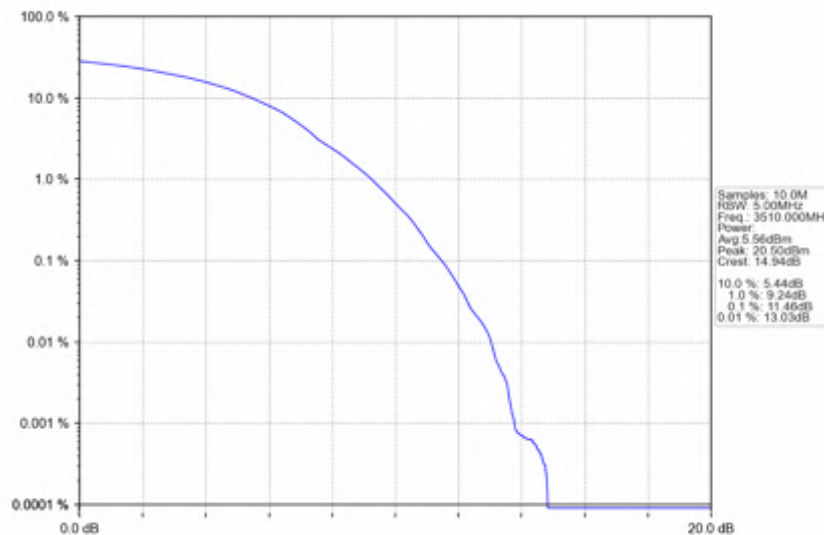
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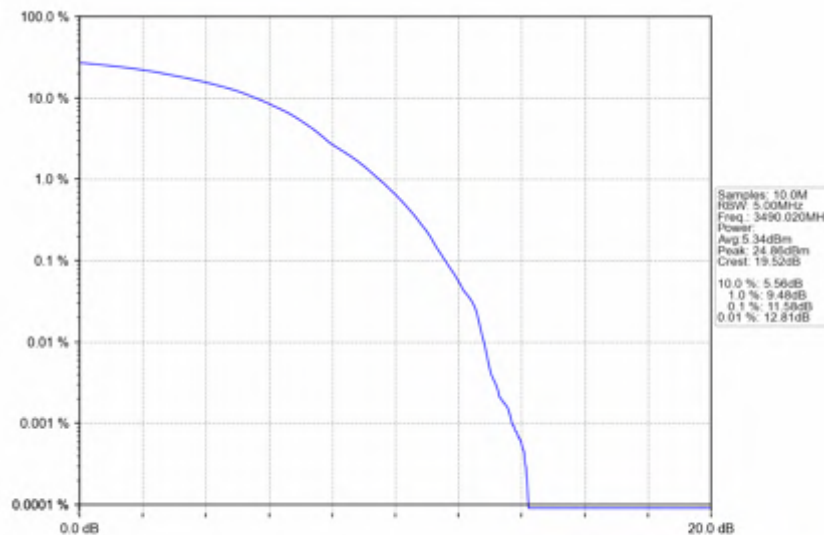
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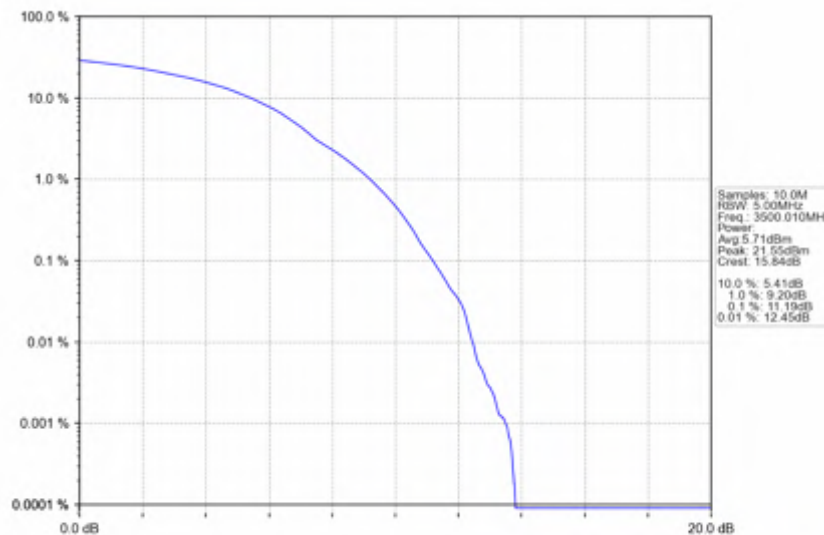
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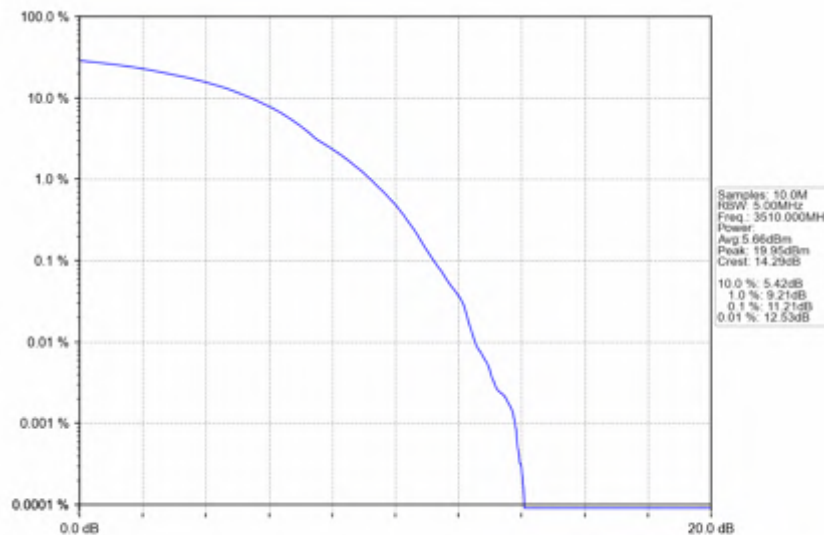
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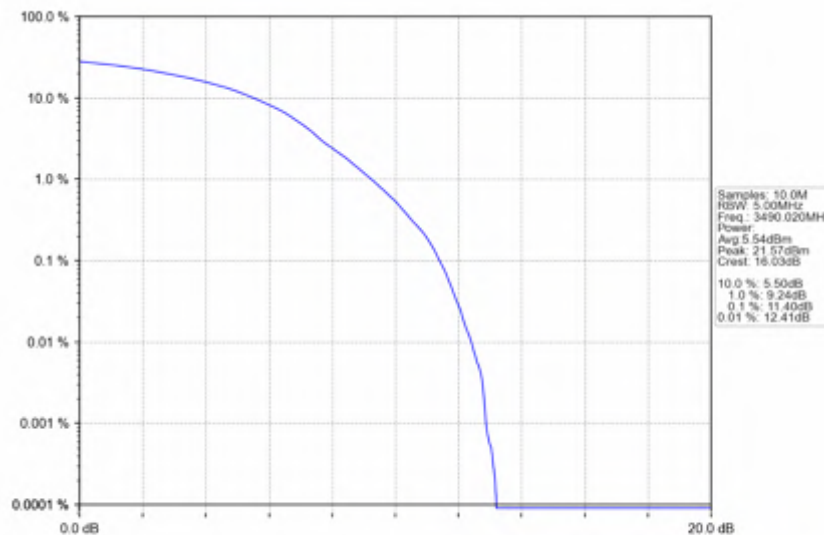
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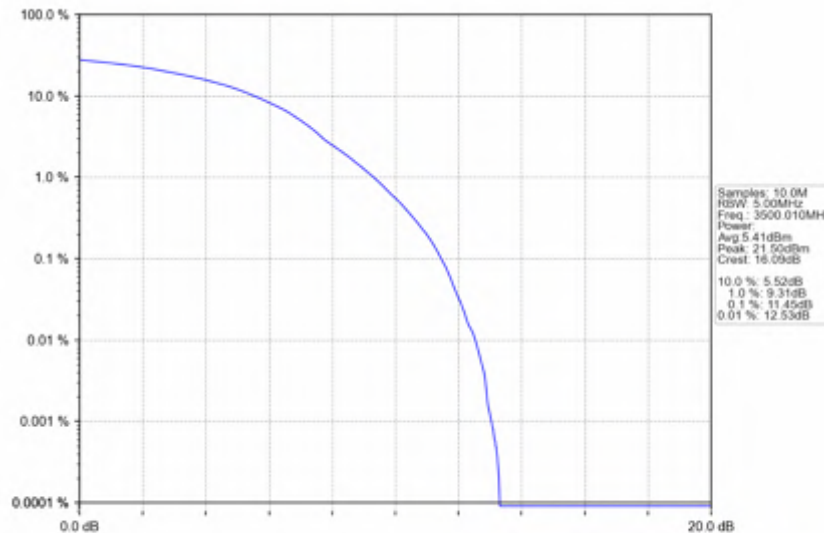


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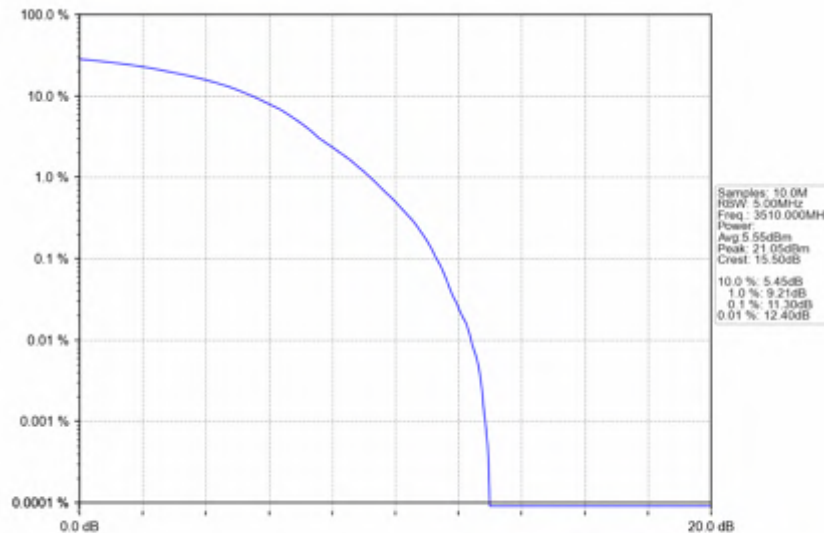
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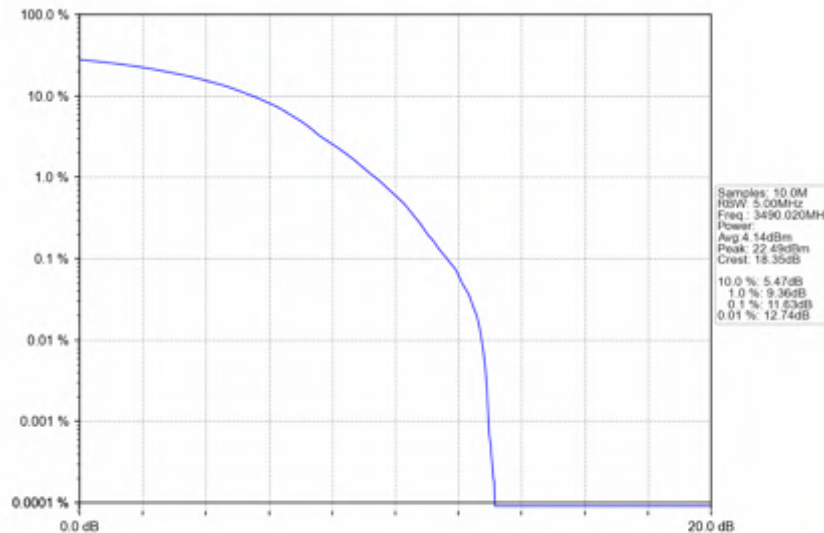
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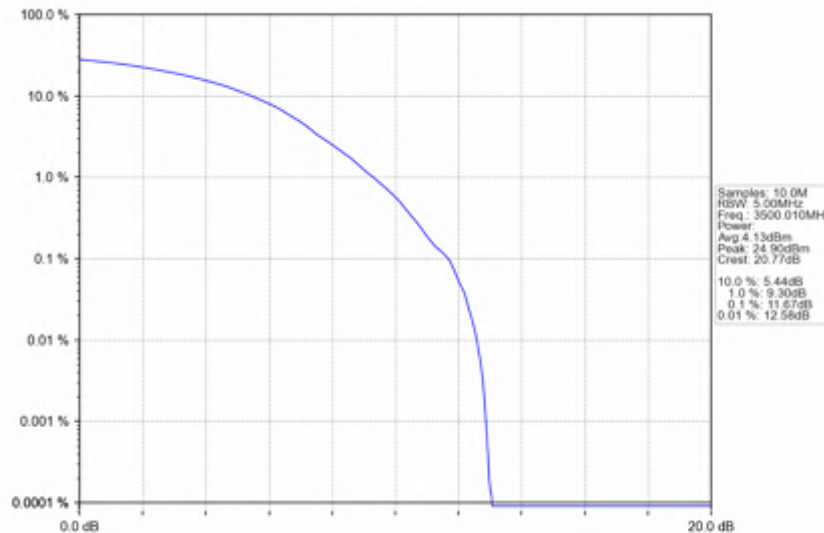
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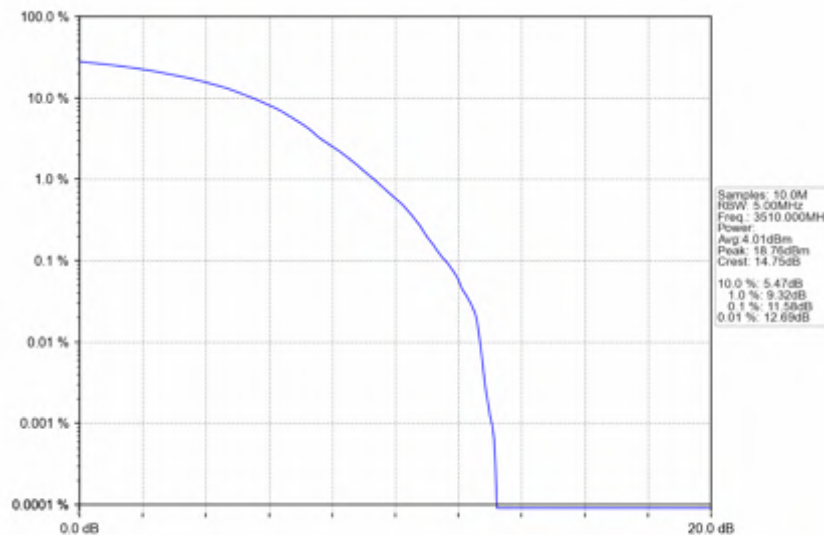
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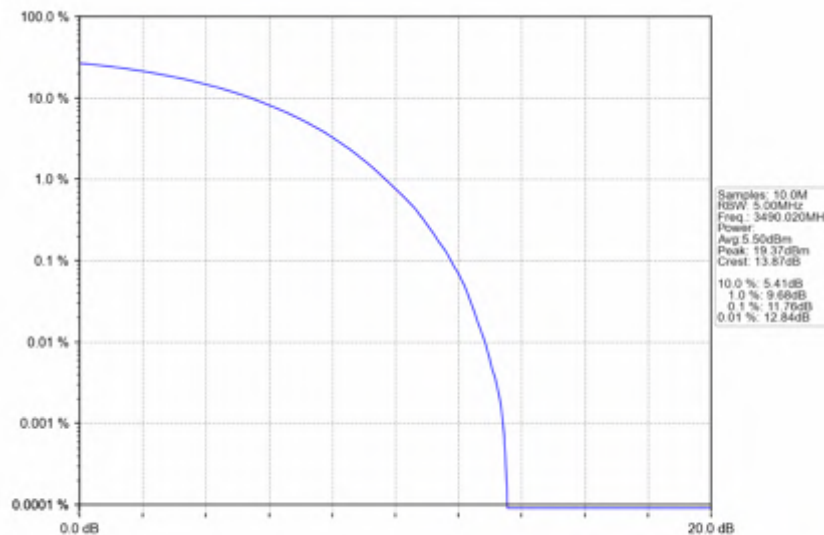
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n78e_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_256_QAM_3510MHz_Outer_Full



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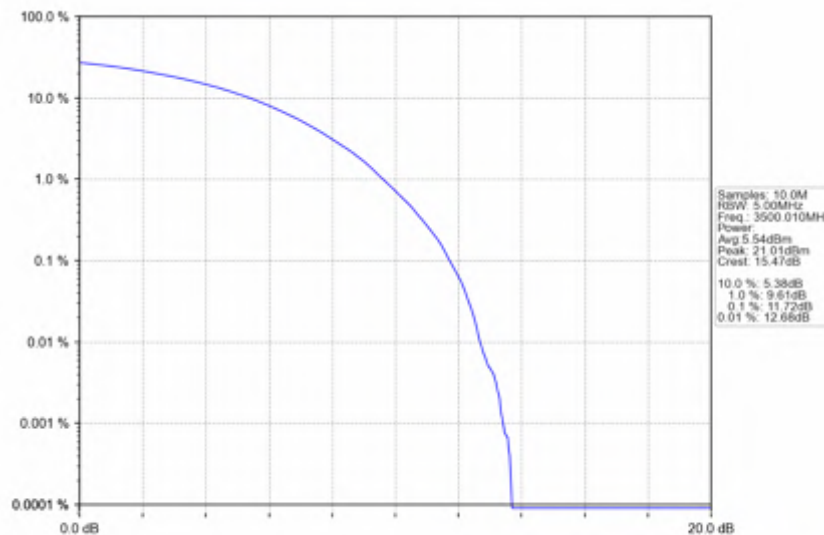
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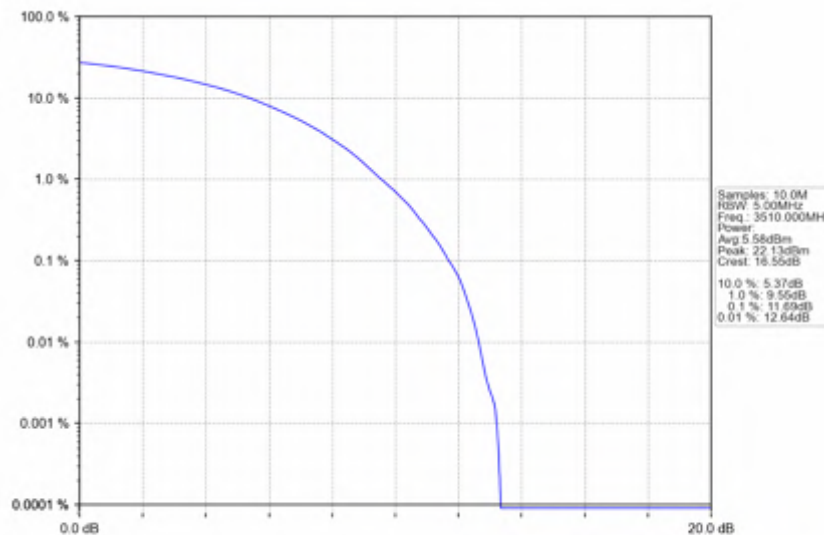
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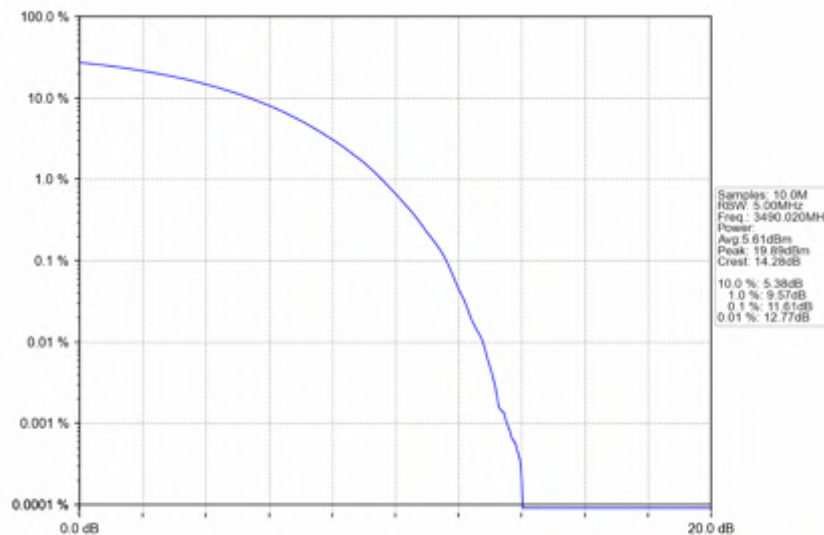


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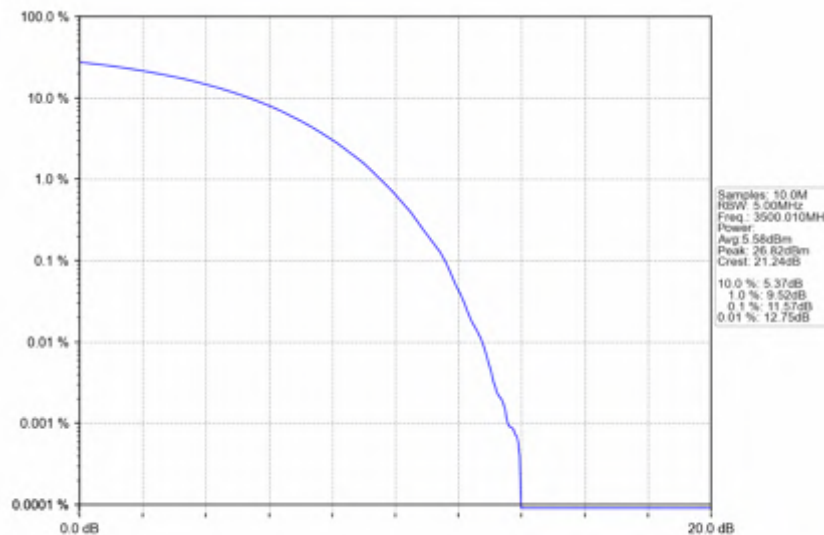
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n78e_30kHz_SISO_NTNV_80MHz_CP-OFDM_16_QAM_3490.02MHz_Outer_Full



n78e_30kHz_SISO_NTNV_80MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full



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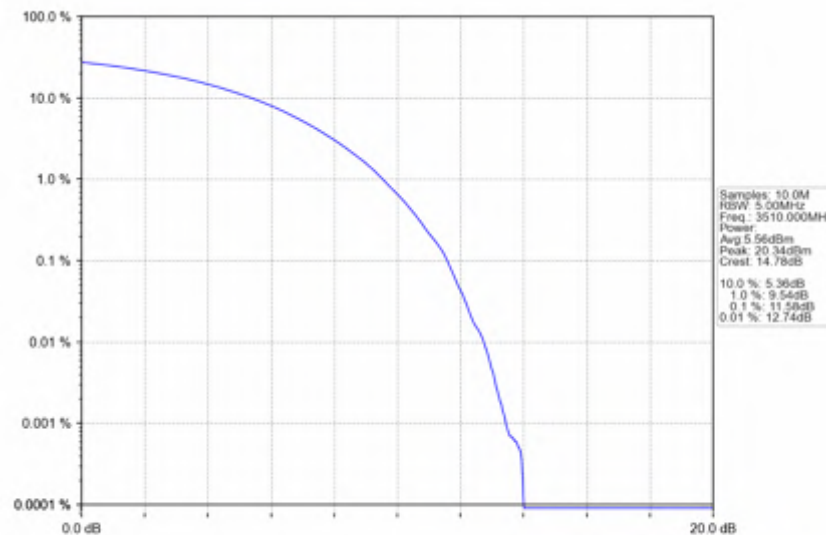
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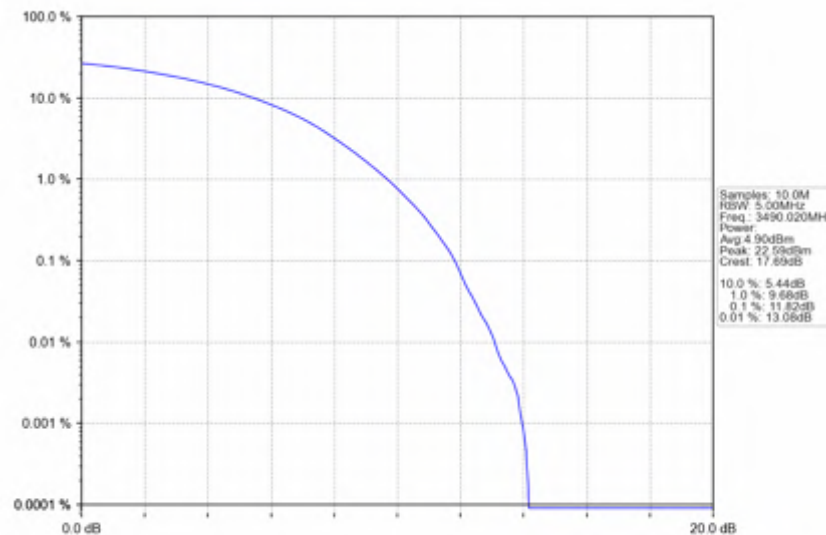
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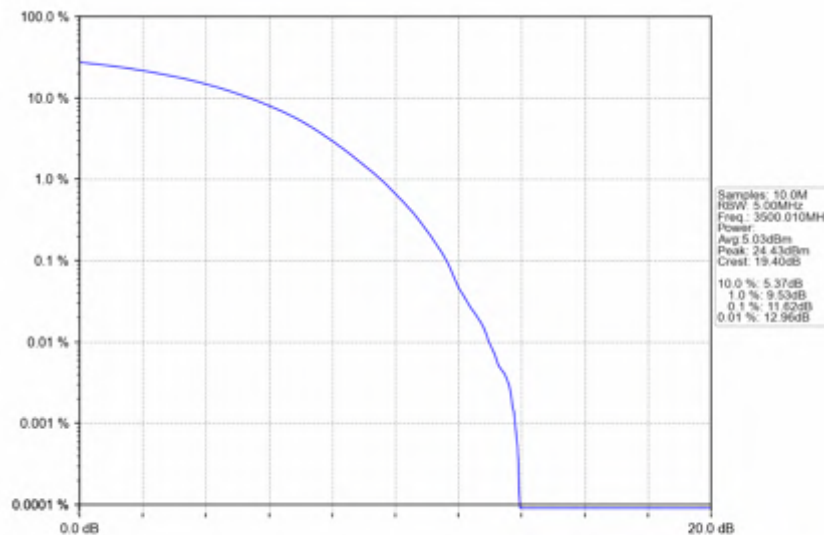
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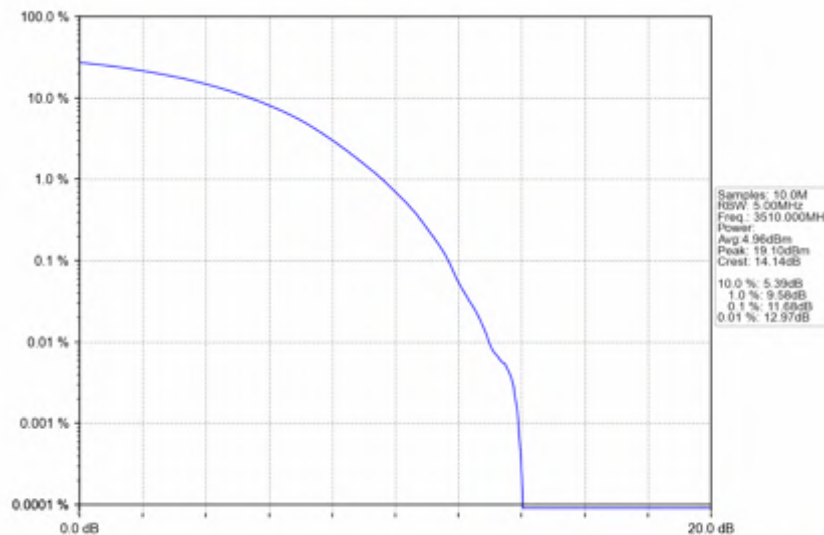
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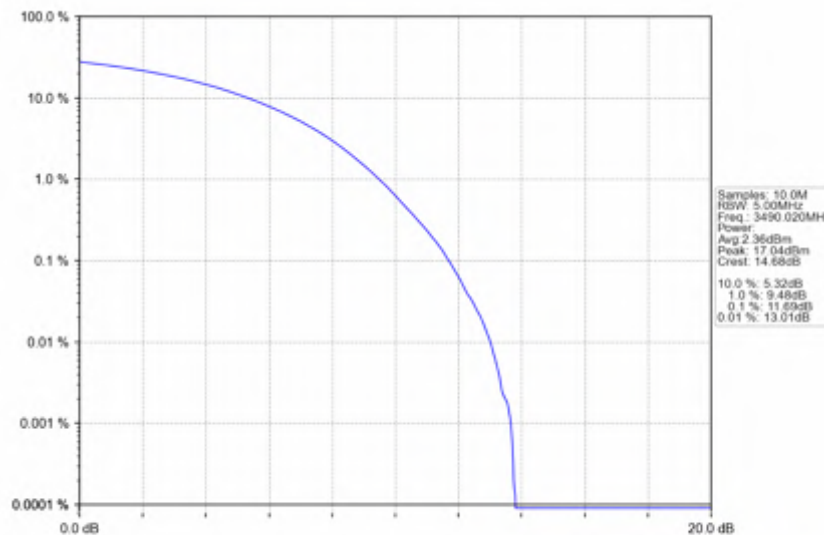


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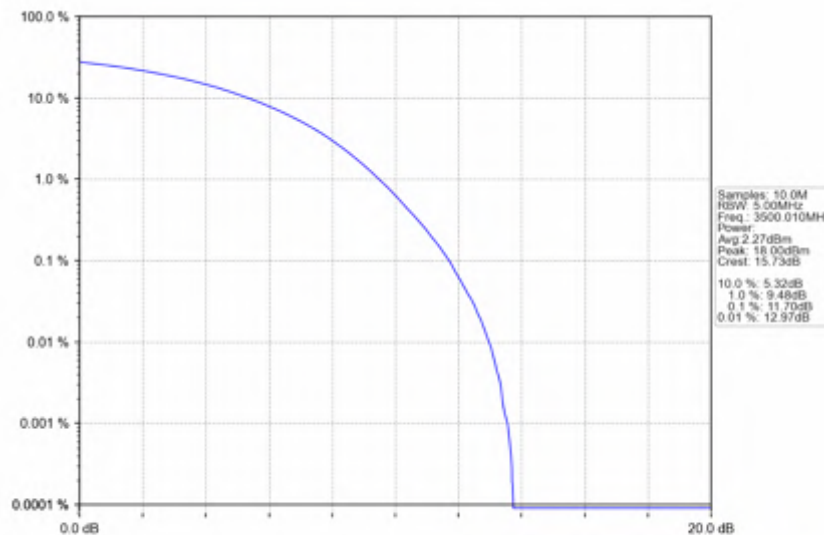
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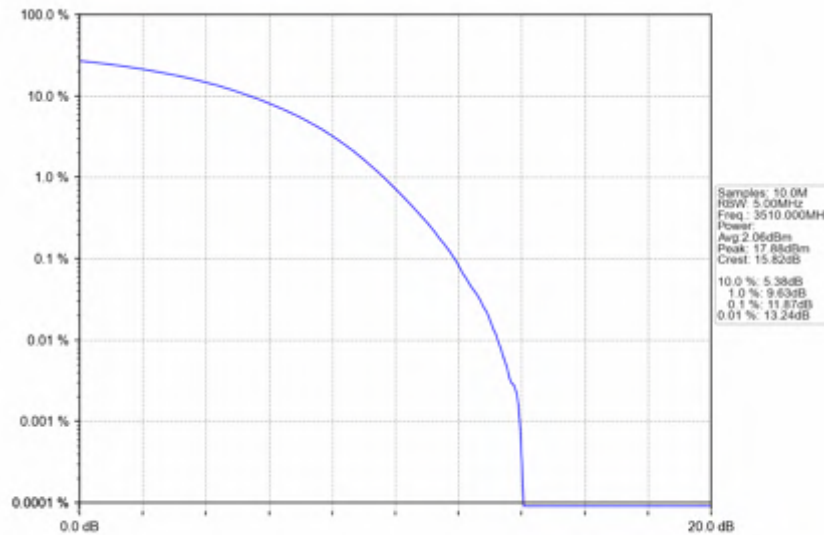
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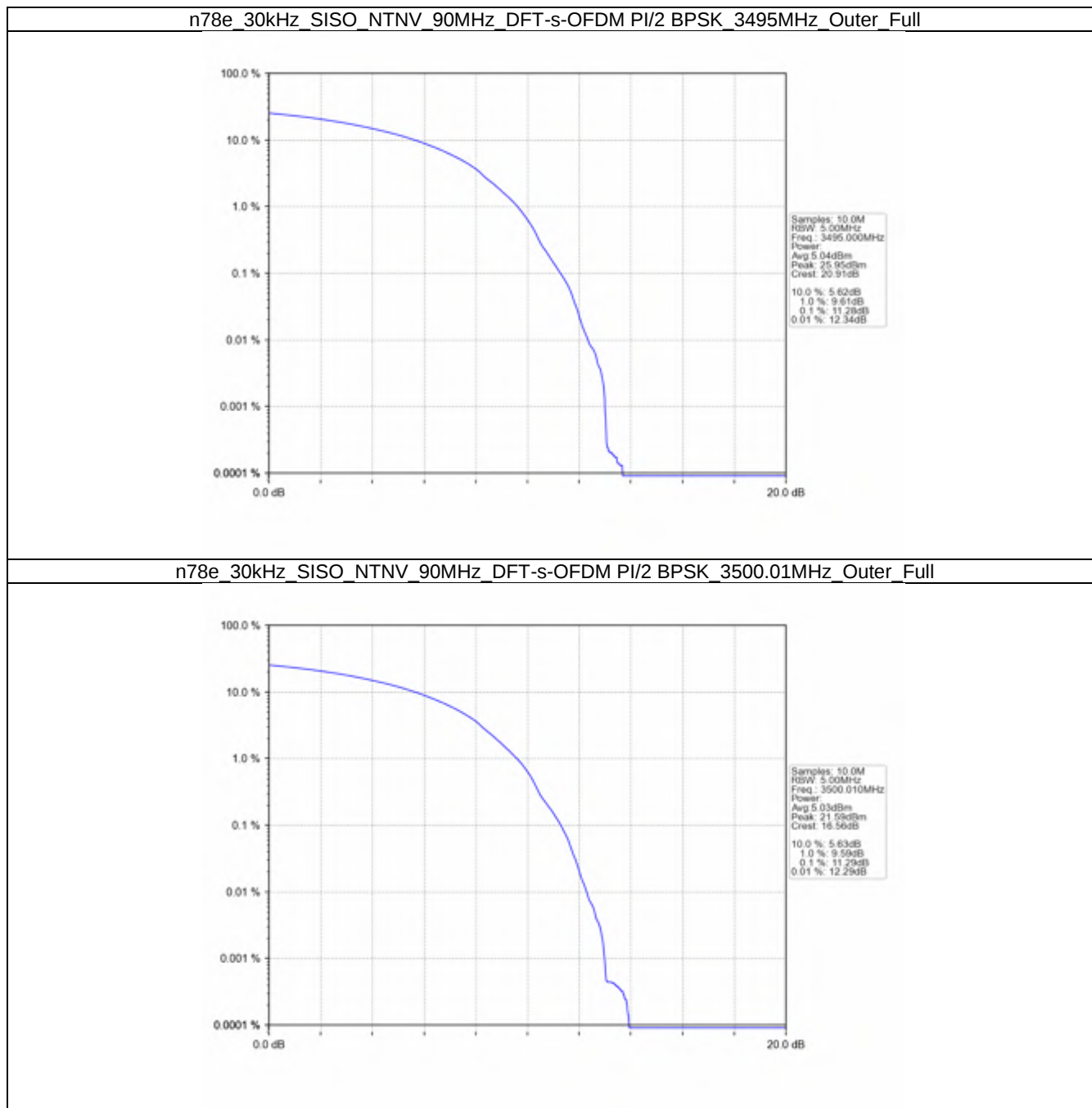
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9.18 30k_SISO_90MHz_NTNV

1.18.1 Test Result

5G NR n78e SCS=30kHz SISO 90MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3495	Outer_Full	11.28	/	/	<=13	Pass
	3500.01	Outer_Full	11.29	/	/	<=13	Pass
	3504.99	Outer_Full	11.22	/	/	<=13	Pass
DFT-s-OFDM QPSK	3495	Outer_Full	11.48	/	/	<=13	Pass
	3500.01	Outer_Full	11.71	/	/	<=13	Pass
	3504.99	Outer_Full	11.60	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3495	Outer_Full	11.42	/	/	<=13	Pass
	3500.01	Outer_Full	11.48	/	/	<=13	Pass
	3504.99	Outer_Full	11.59	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3495	Outer_Full	11.37	/	/	<=13	Pass
	3500.01	Outer_Full	11.40	/	/	<=13	Pass
	3504.99	Outer_Full	11.37	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3495	Outer_Full	11.34	/	/	<=13	Pass
	3500.01	Outer_Full	11.55	/	/	<=13	Pass
	3504.99	Outer_Full	11.52	/	/	<=13	Pass
CP-OFDM QPSK	3495	Outer_Full	11.67	/	/	<=13	Pass
	3500.01	Outer_Full	11.79	/	/	<=13	Pass
	3504.99	Outer_Full	11.70	/	/	<=13	Pass
CP-OFDM 16 QAM	3495	Outer_Full	11.59	/	/	<=13	Pass
	3500.01	Outer_Full	11.62	/	/	<=13	Pass
	3504.99	Outer_Full	11.45	/	/	<=13	Pass
CP-OFDM 64 QAM	3495	Outer_Full	11.84	/	/	<=13	Pass
	3500.01	Outer_Full	11.72	/	/	<=13	Pass
	3504.99	Outer_Full	11.86	/	/	<=13	Pass
CP-OFDM 256 QAM	3495	Outer_Full	11.72	/	/	<=13	Pass
	3500.01	Outer_Full	11.86	/	/	<=13	Pass
	3504.99	Outer_Full	11.66	/	/	<=13	Pass

9.18.2 Test Graph



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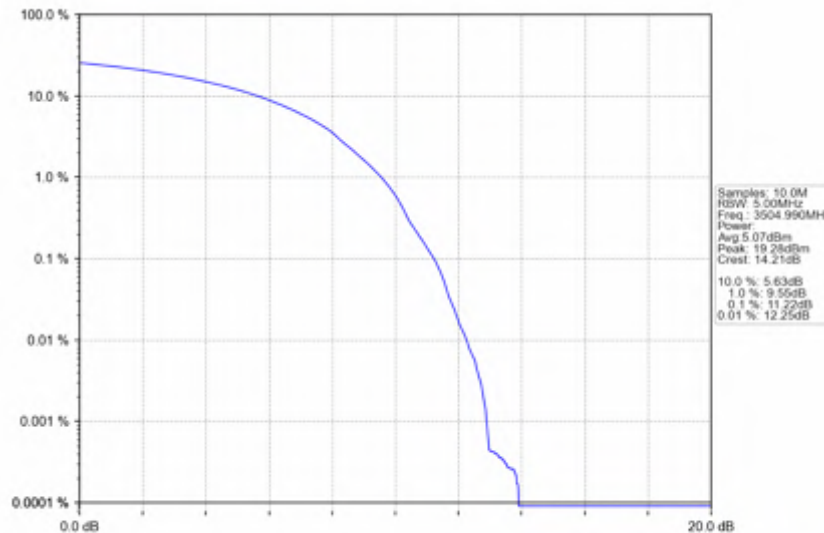
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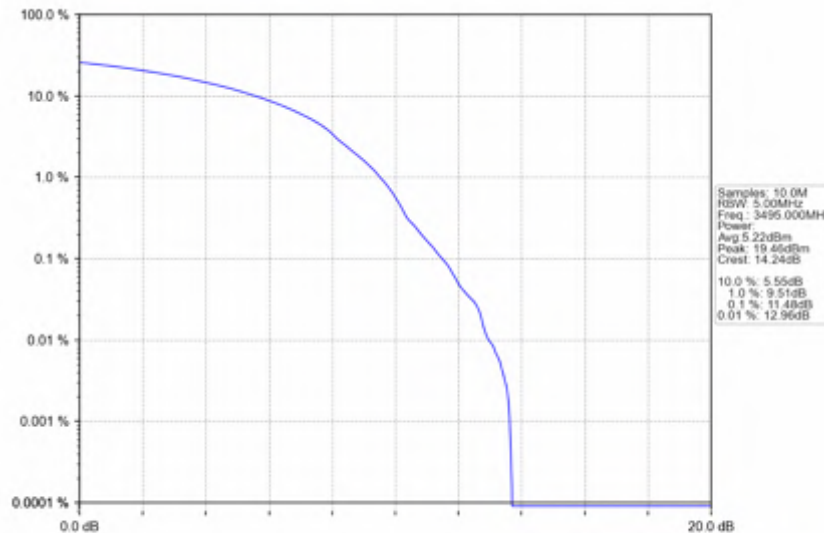
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n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3495MHz_Outer_Full



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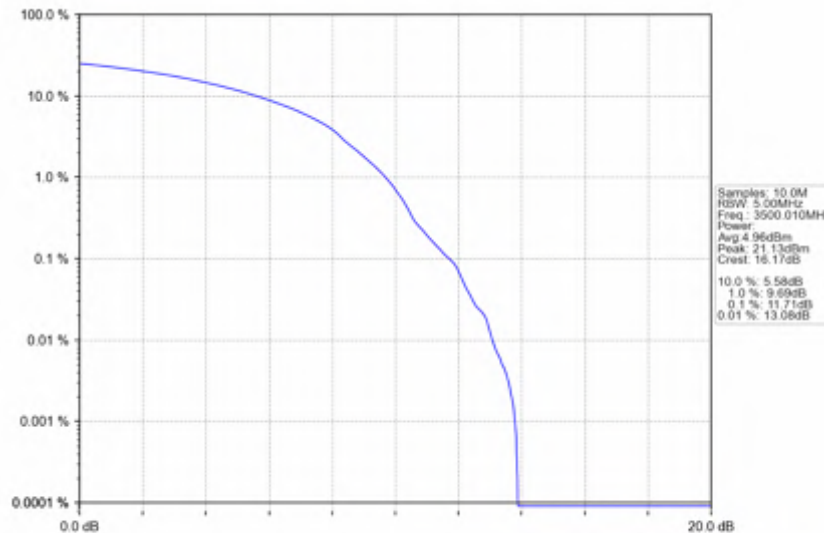
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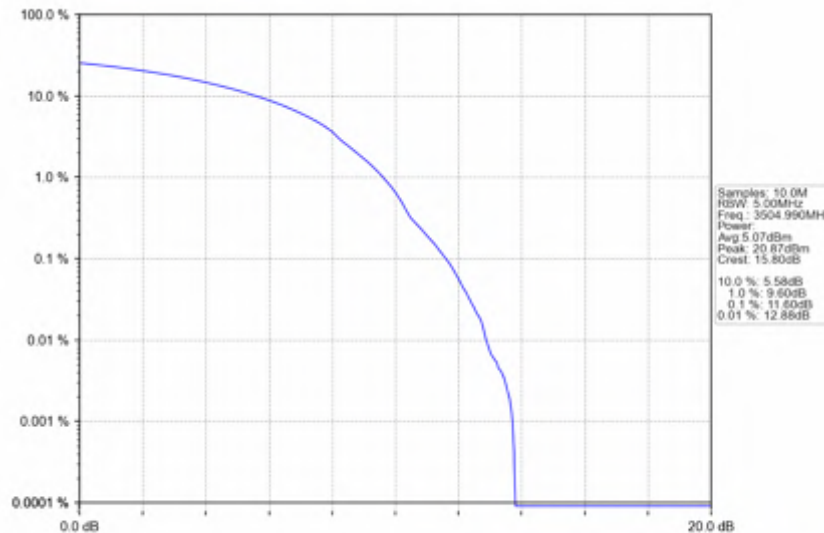
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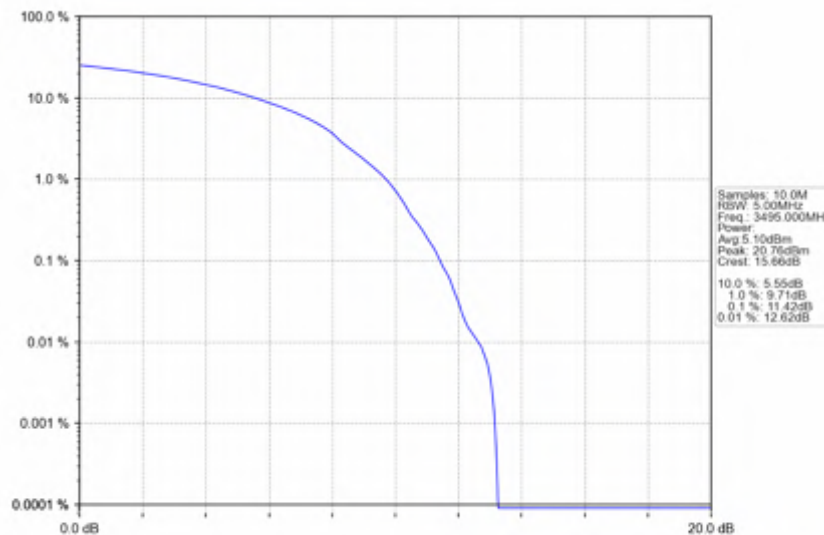


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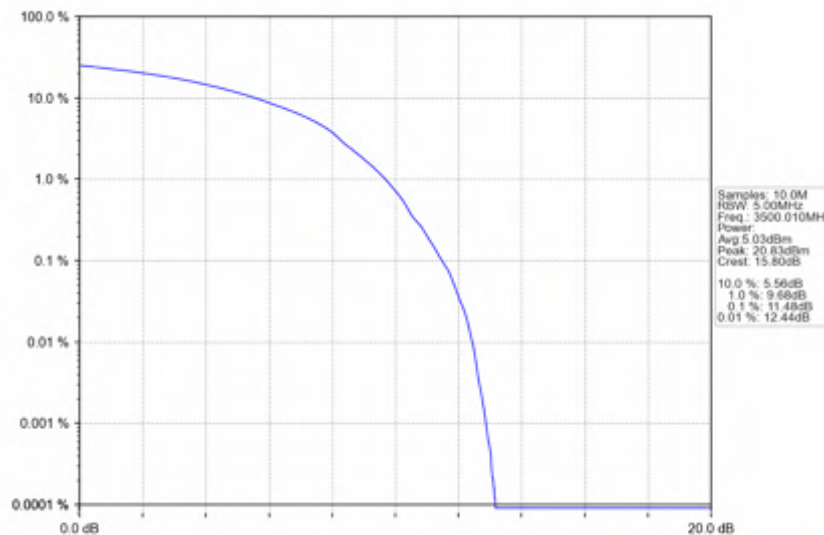
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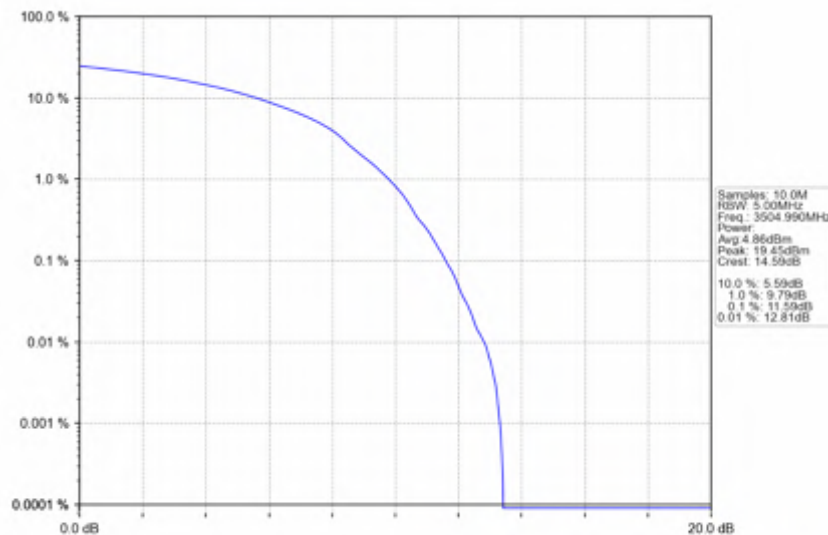
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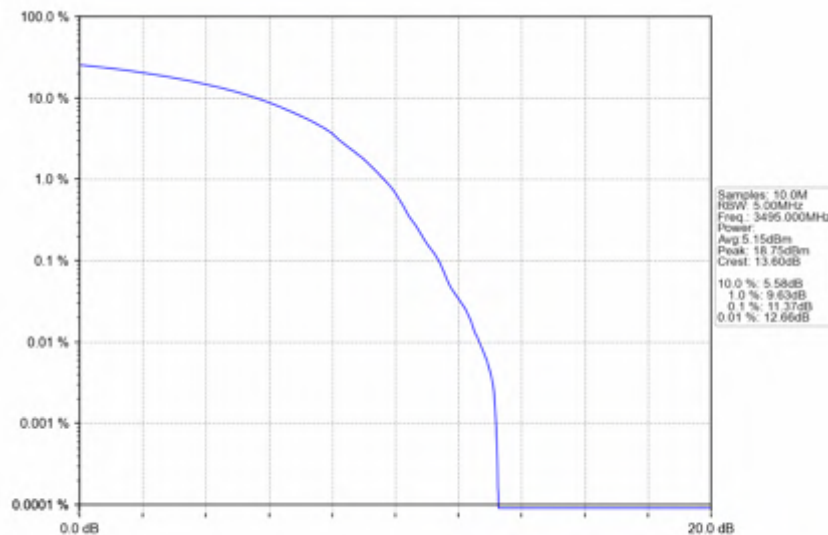
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n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 64 QAM_3495MHz_Outer_Full



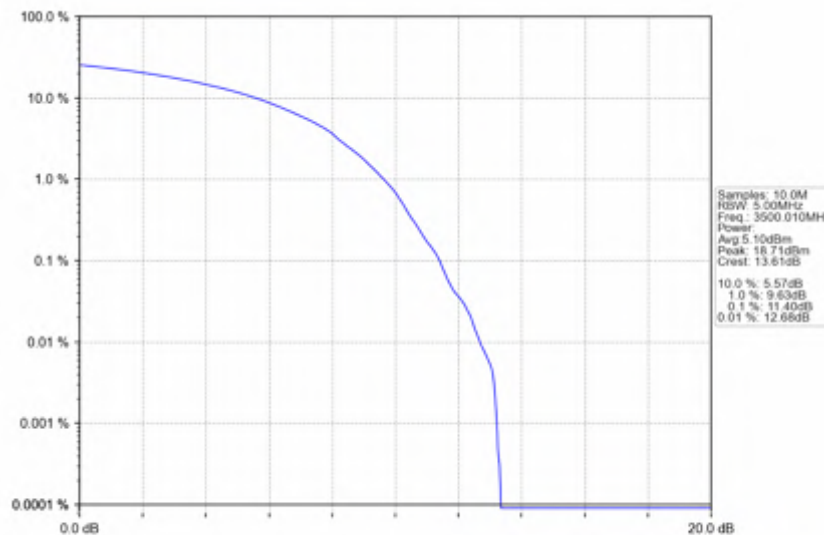
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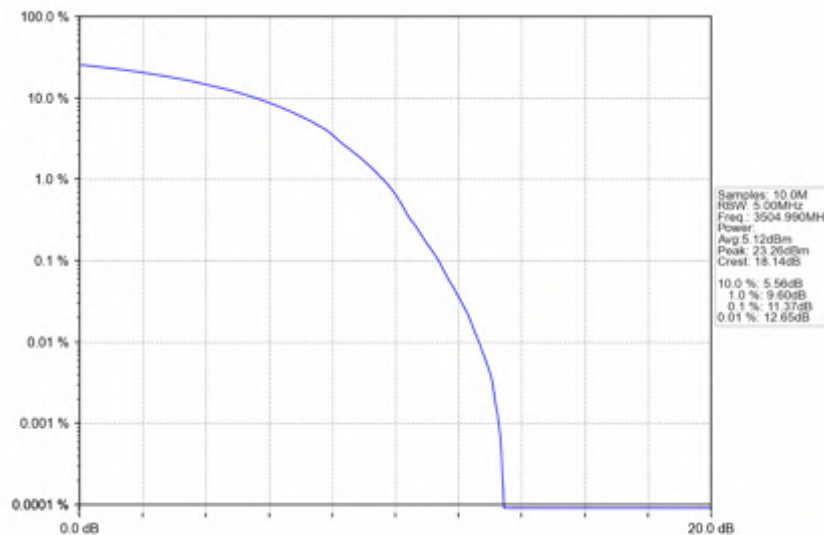
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n78e_30kHz_SISO_NTV_90MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full



n78e_30kHz_SISO_NTV_90MHz_DFT-s-OFDM_64_QAM_3504.99MHz_Outer_Full



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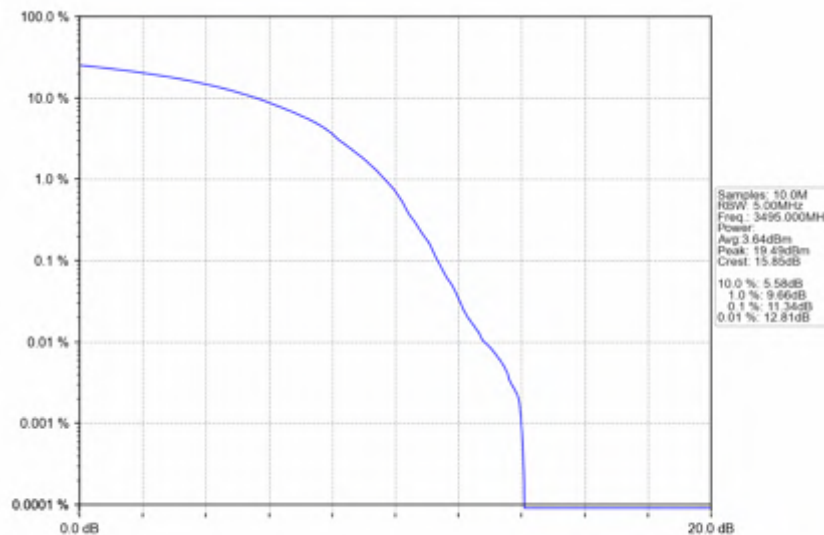
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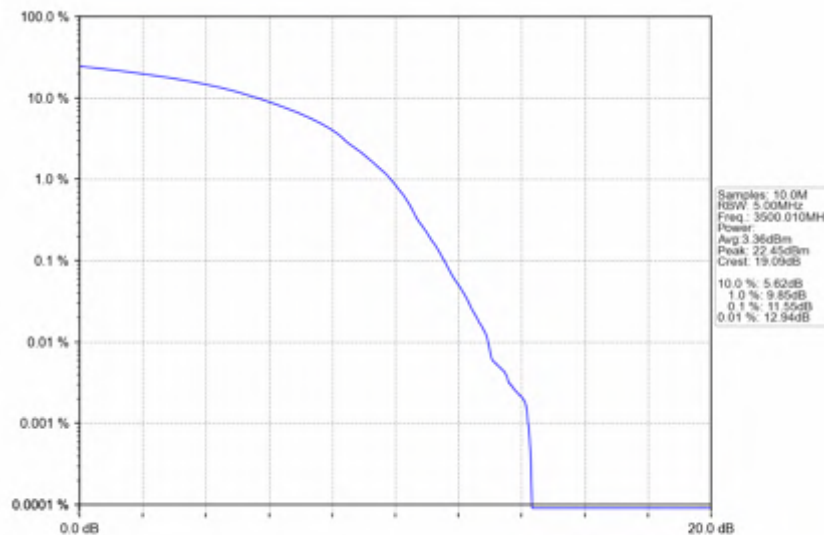
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n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3495MHz_Outer_Full



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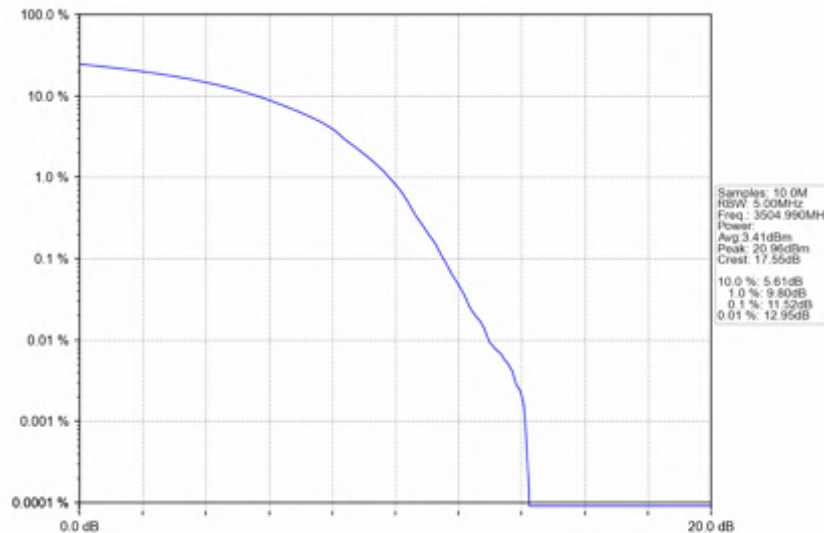
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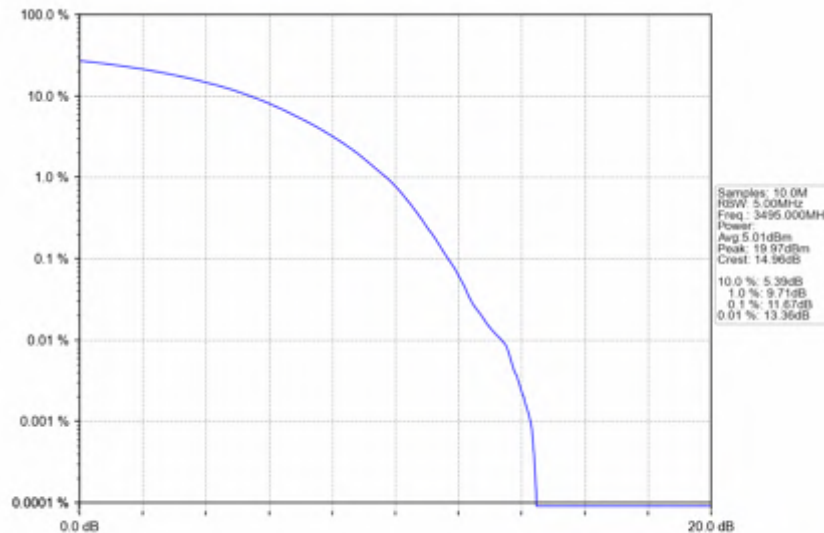
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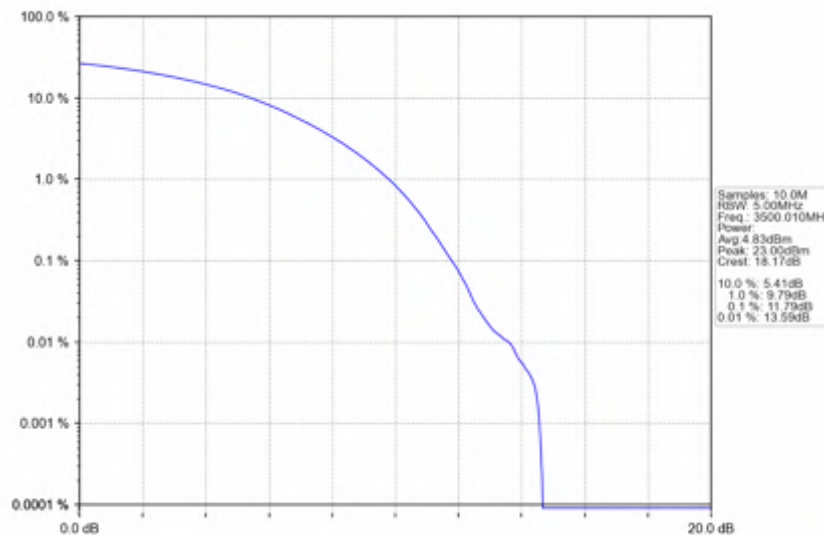
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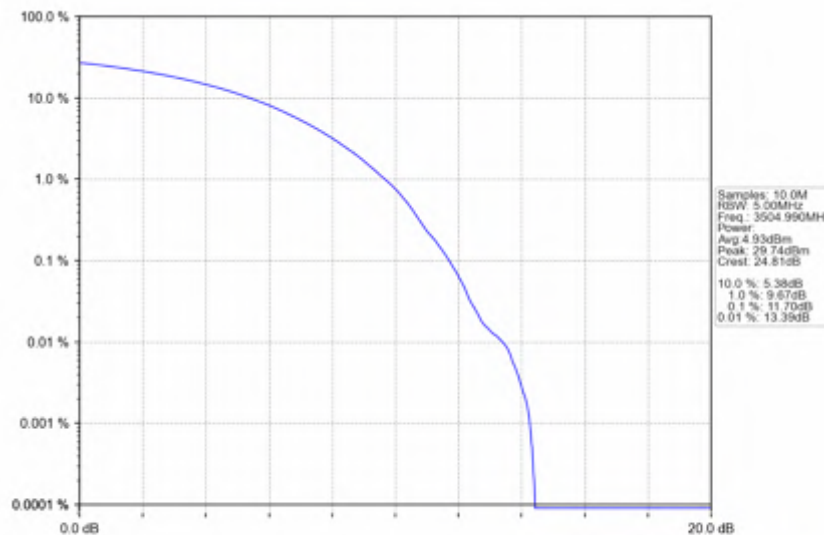
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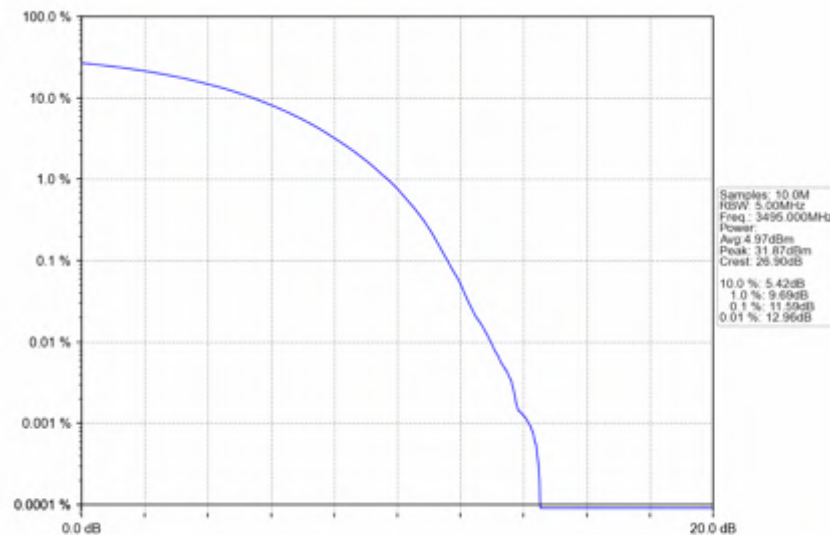


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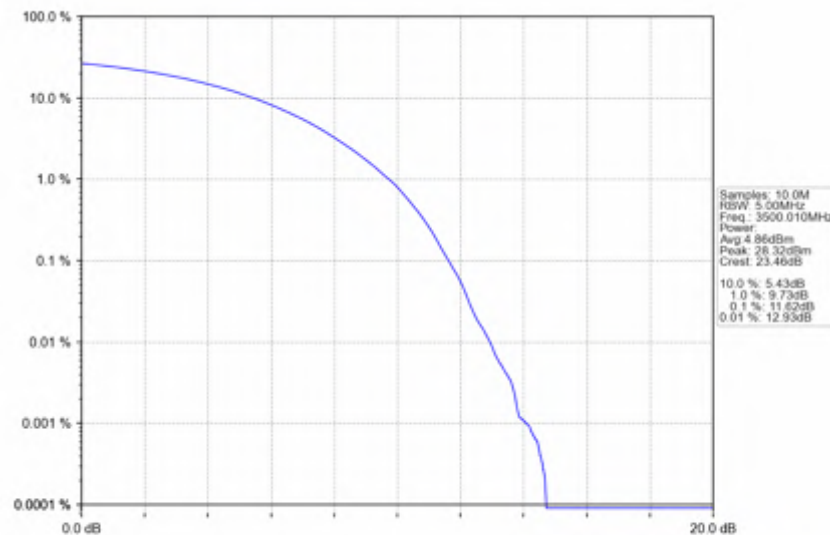
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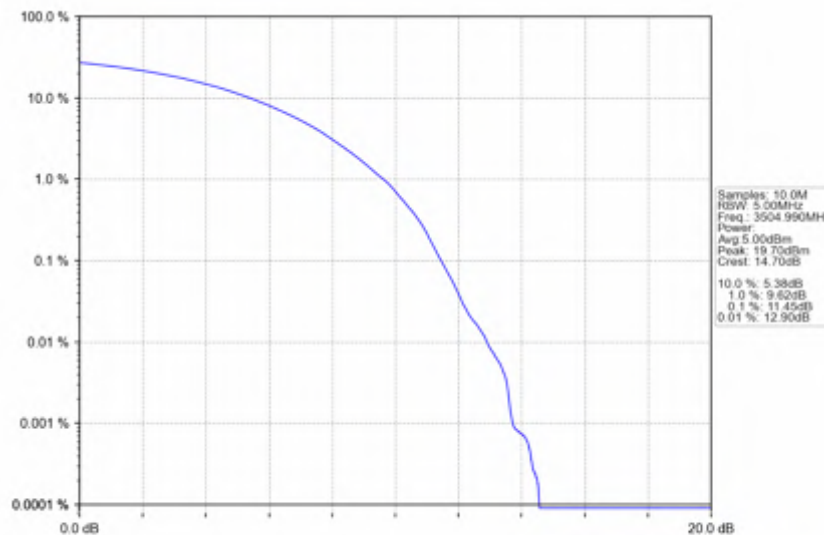
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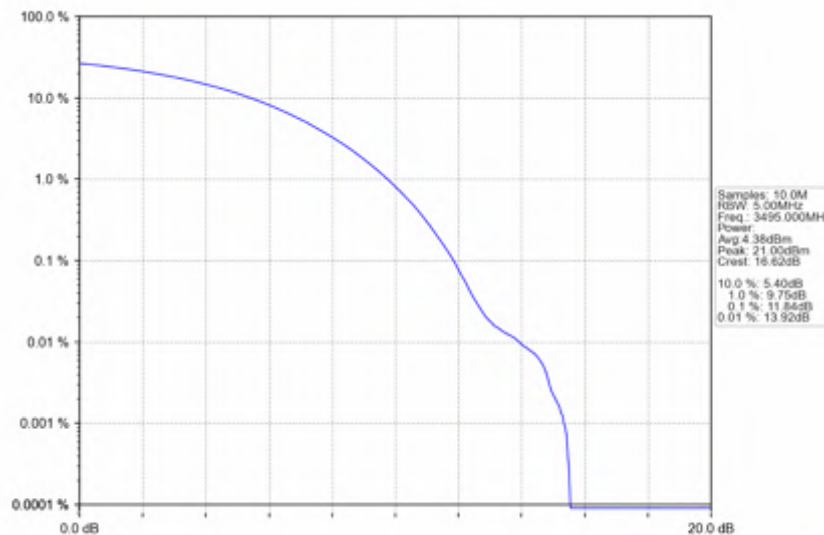
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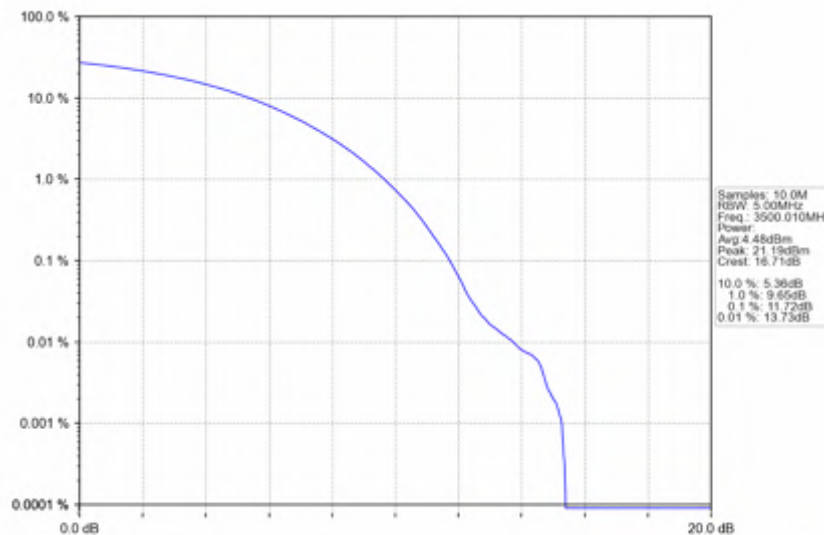
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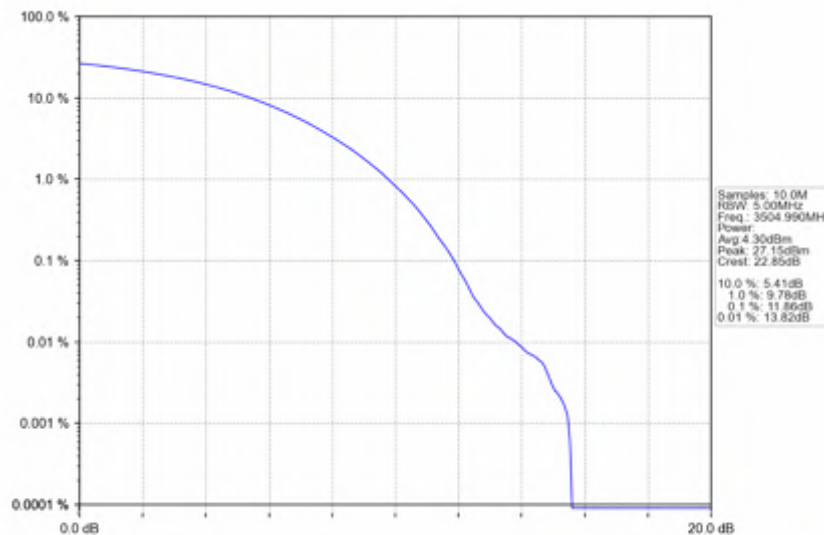
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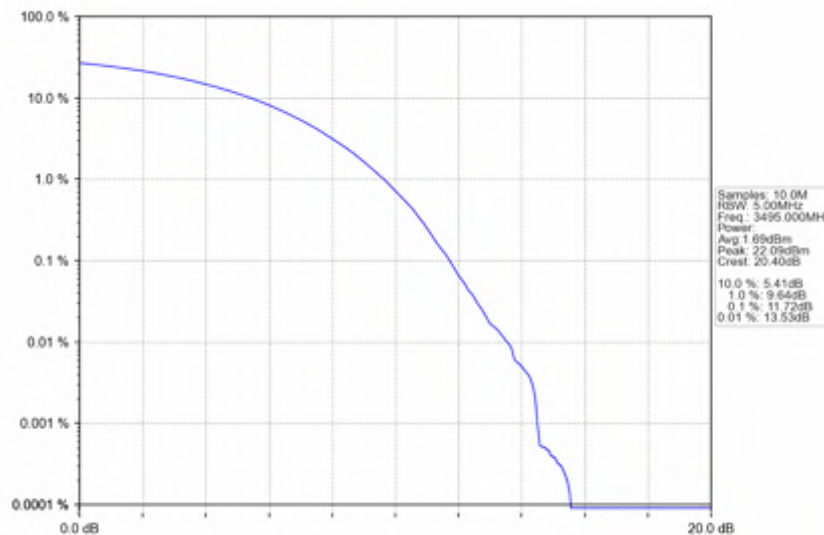
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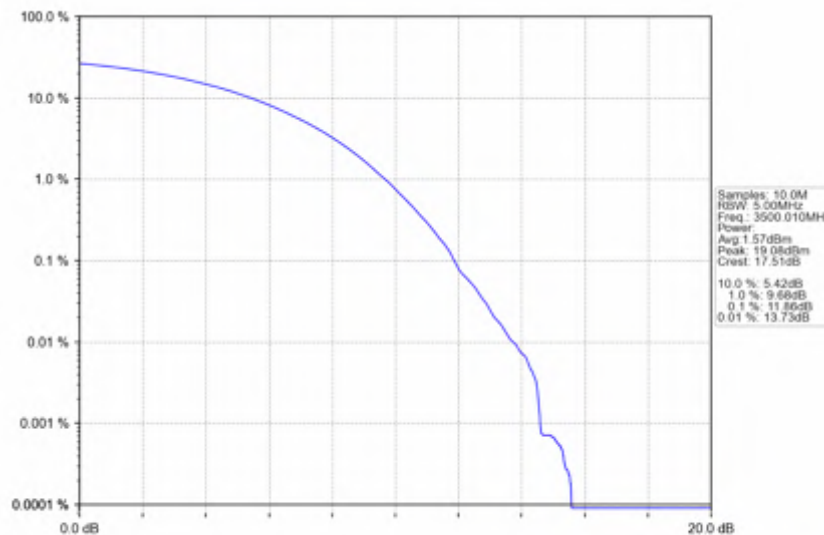
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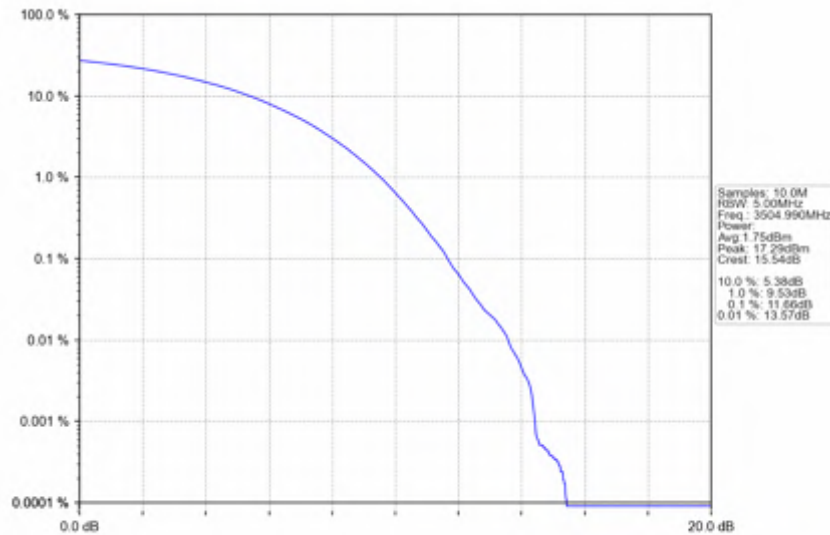
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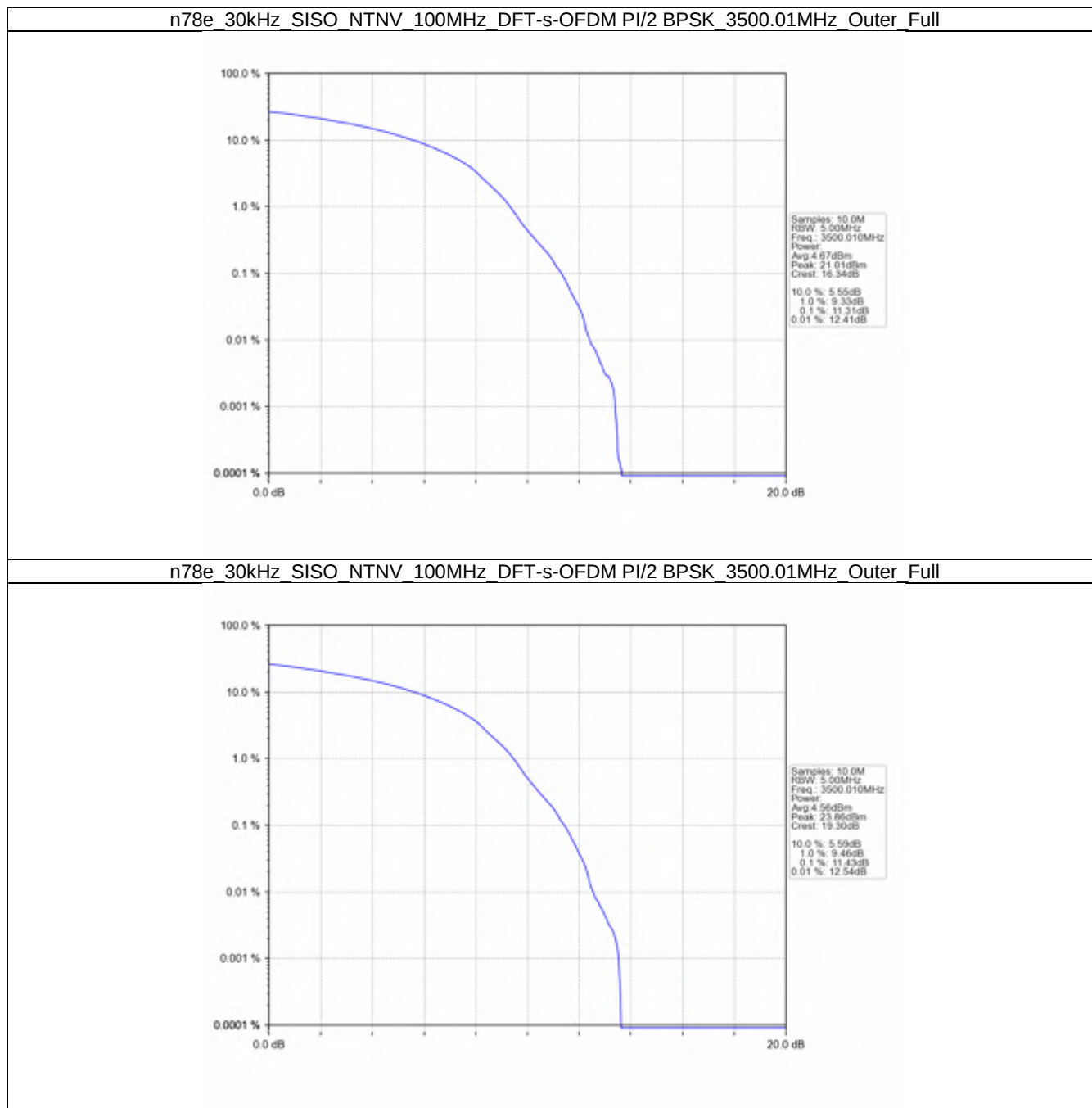
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9.19 30k_SISO_100MHz_NTNV

9.19.1 Test Result

5G NR n78e SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Outer_Full	11.31	/	/	<=13	Pass
	3500.01	Outer_Full	11.43	/	/	<=13	Pass
	3499.98	Outer_Full	10.87	/	/	<=13	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	11.25	/	/	<=13	Pass
	3500.01	Outer_Full	11.30	/	/	<=13	Pass
	3499.98	Outer_Full	11.41	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	11.66	/	/	<=13	Pass
	3500.01	Outer_Full	11.33	/	/	<=13	Pass
	3499.98	Outer_Full	11.54	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	11.23	/	/	<=13	Pass
	3500.01	Outer_Full	11.16	/	/	<=13	Pass
	3499.98	Outer_Full	11.47	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	11.06	/	/	<=13	Pass
	3500.01	Outer_Full	11.22	/	/	<=13	Pass
	3499.98	Outer_Full	11.49	/	/	<=13	Pass
CP-OFDM QPSK	3500.01	Outer_Full	11.73	/	/	<=13	Pass
	3500.01	Outer_Full	11.86	/	/	<=13	Pass
	3499.98	Outer_Full	11.72	/	/	<=13	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full	11.55	/	/	<=13	Pass
	3500.01	Outer_Full	11.59	/	/	<=13	Pass
	3499.98	Outer_Full	11.66	/	/	<=13	Pass
CP-OFDM 64 QAM	3500.01	Outer_Full	11.63	/	/	<=13	Pass
	3500.01	Outer_Full	11.46	/	/	<=13	Pass
	3499.98	Outer_Full	11.37	/	/	<=13	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full	11.36	/	/	<=13	Pass
	3500.01	Outer_Full	11.48	/	/	<=13	Pass
	3499.98	Outer_Full	11.75	/	/	<=13	Pass

9.19.2 Test Graph



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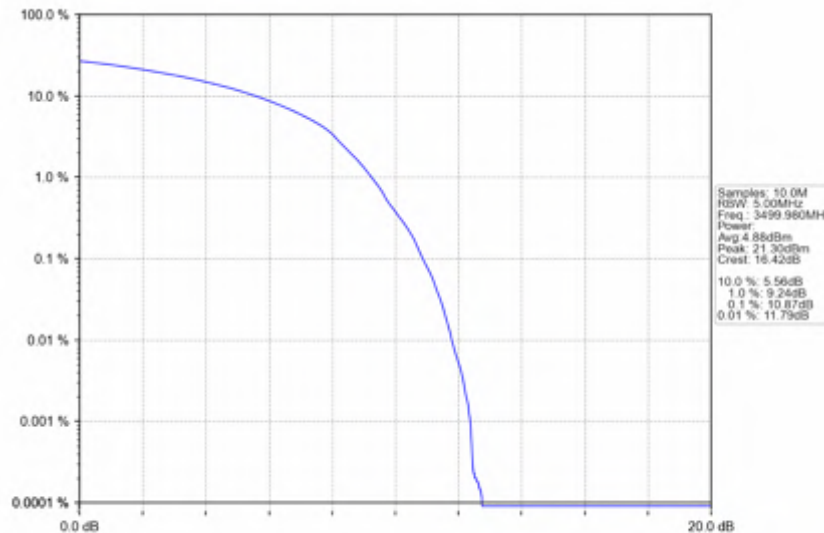
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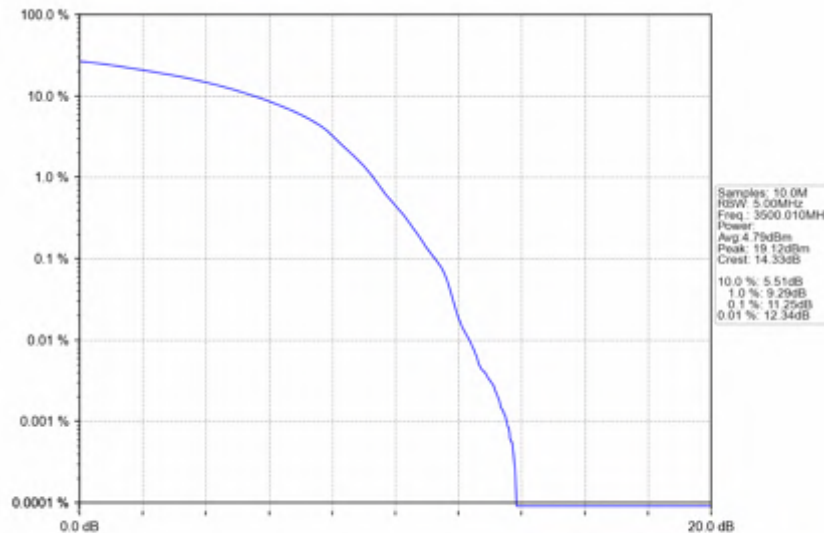
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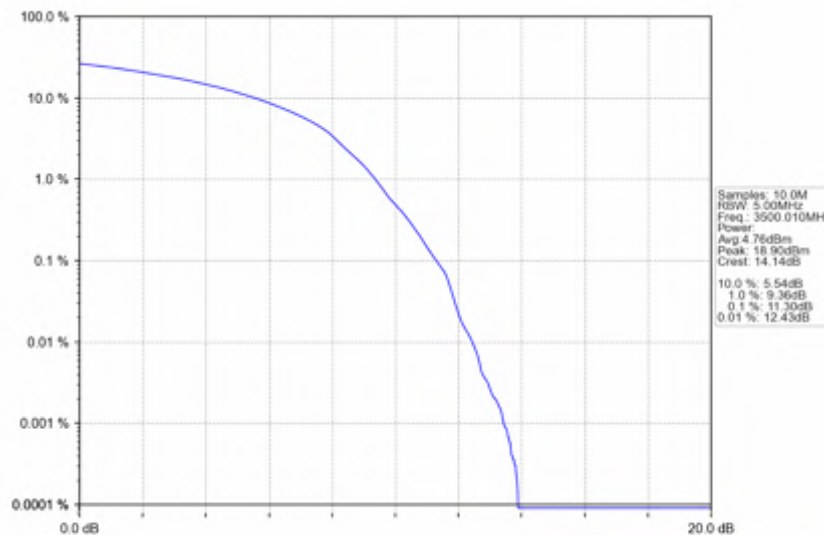


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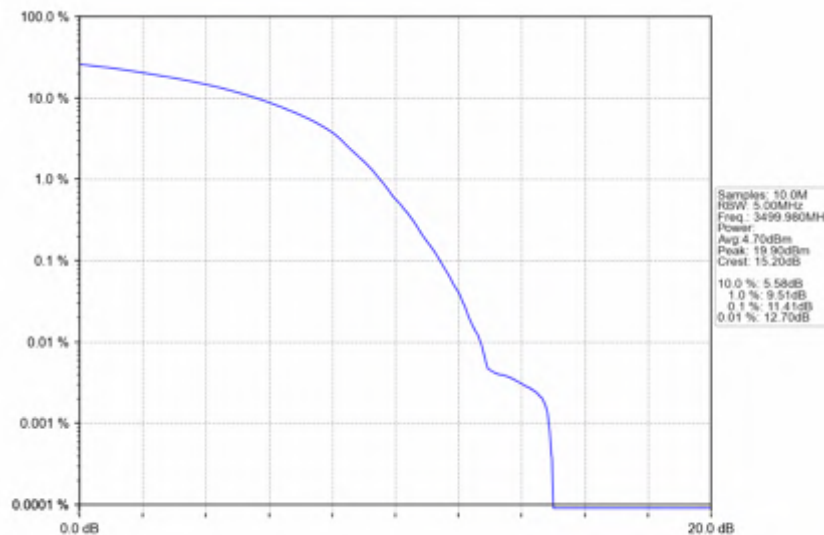
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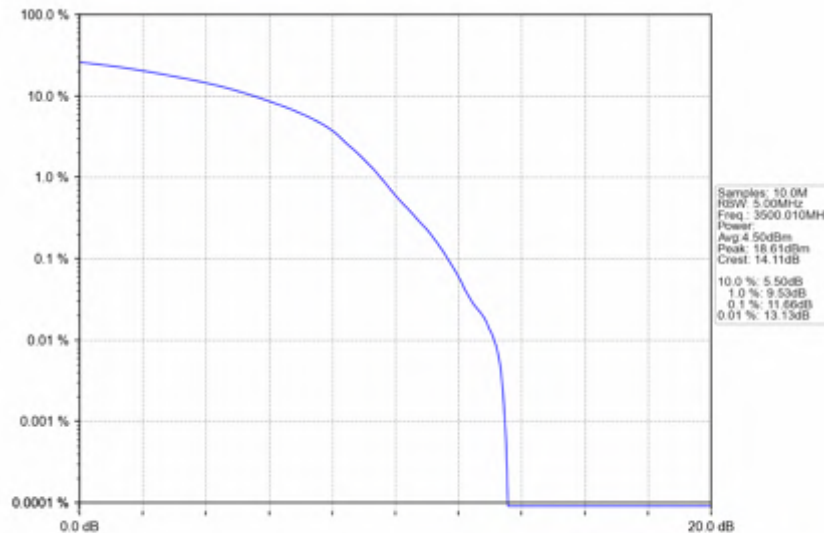
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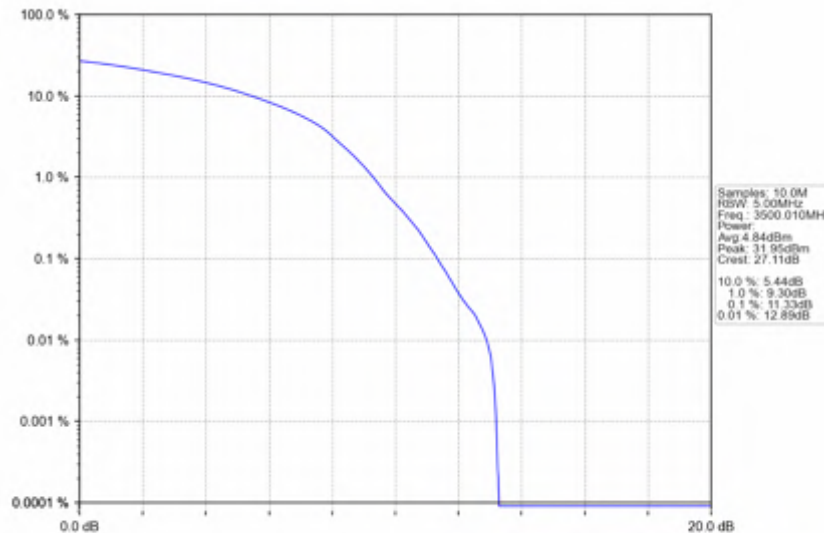
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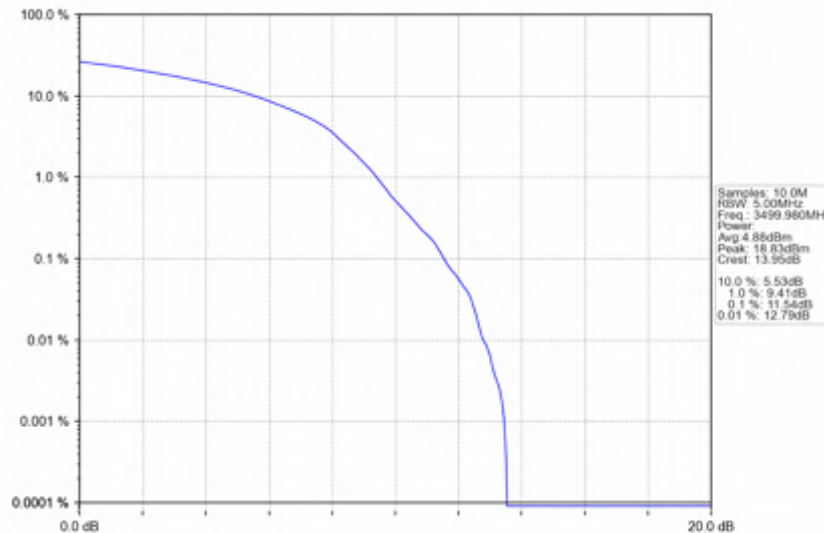
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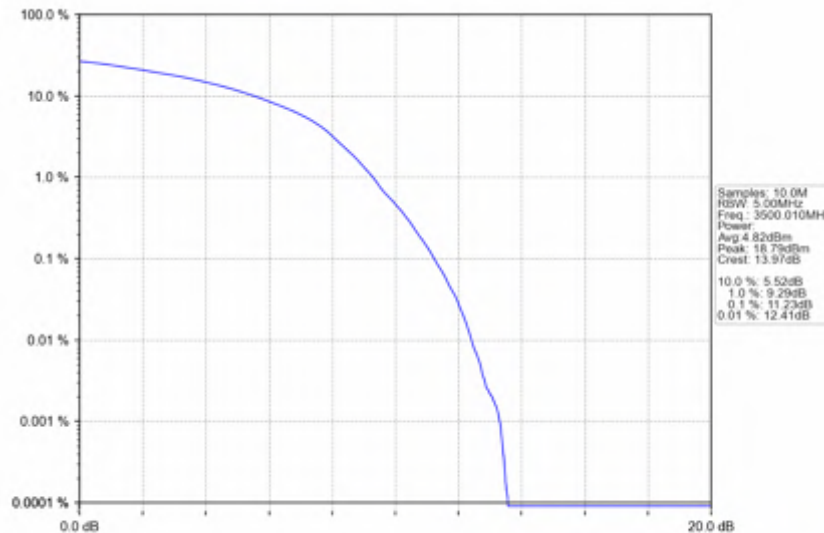
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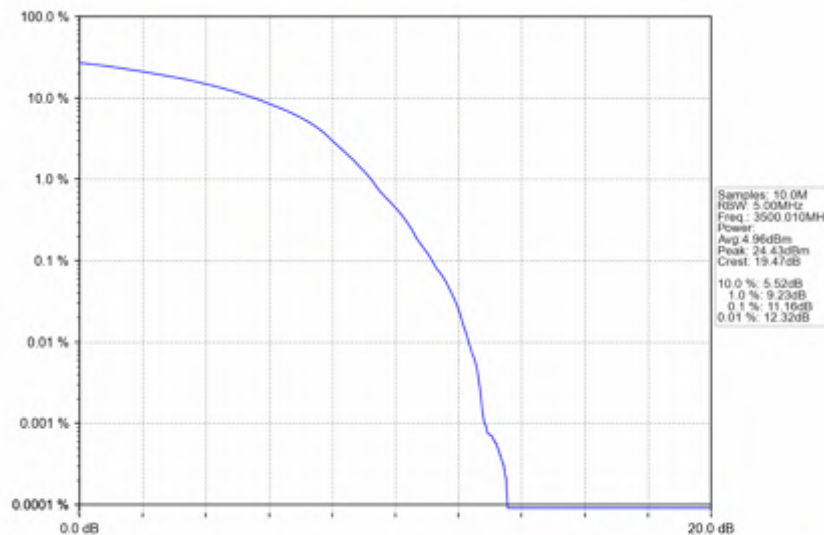


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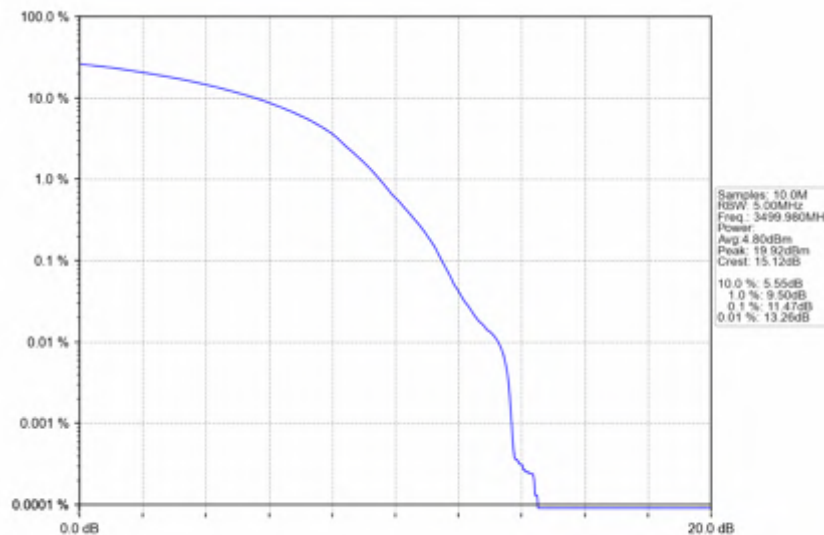
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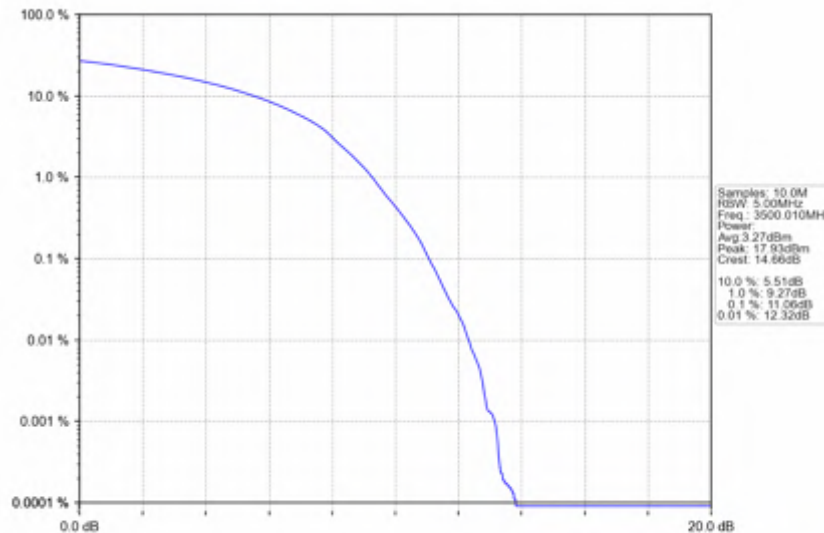


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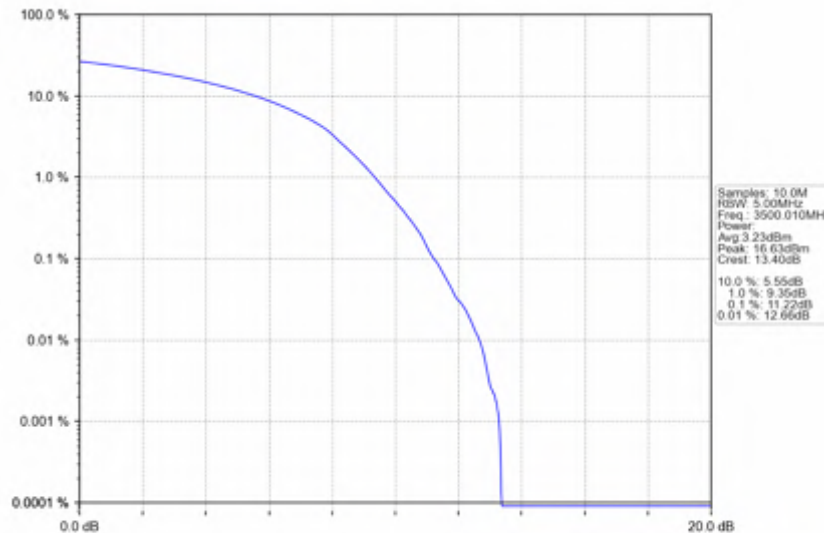
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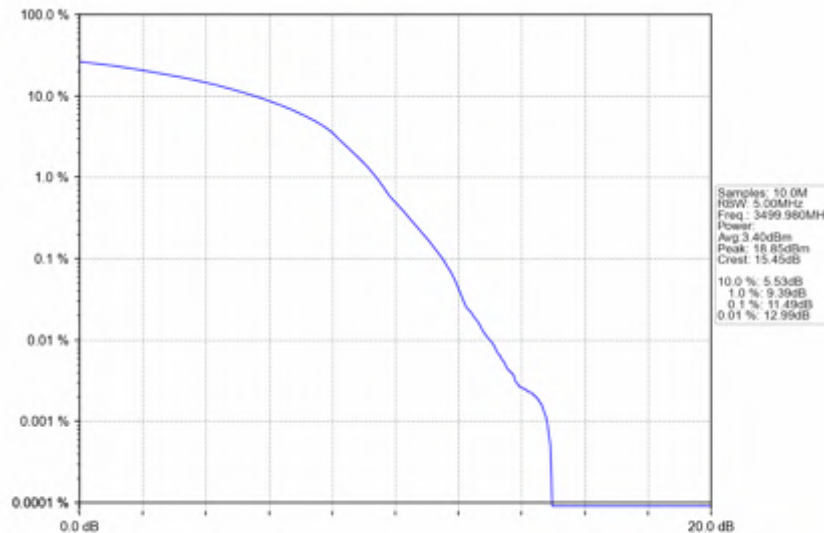
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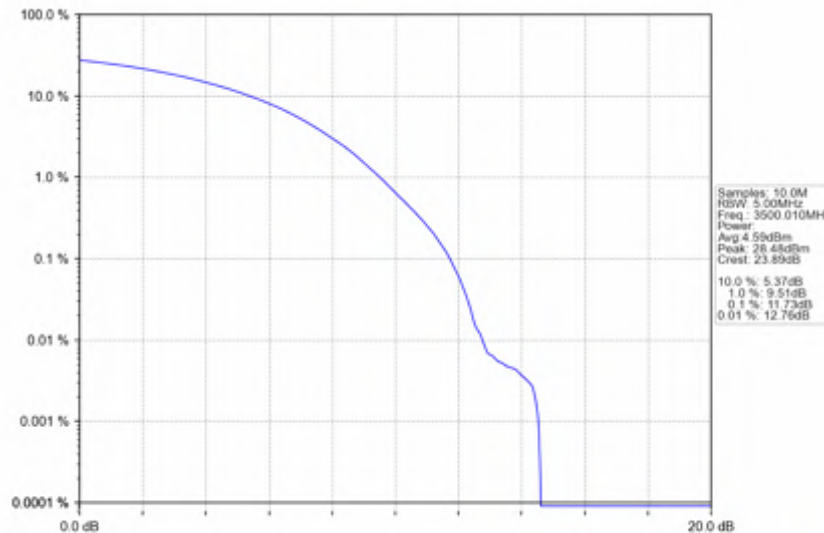
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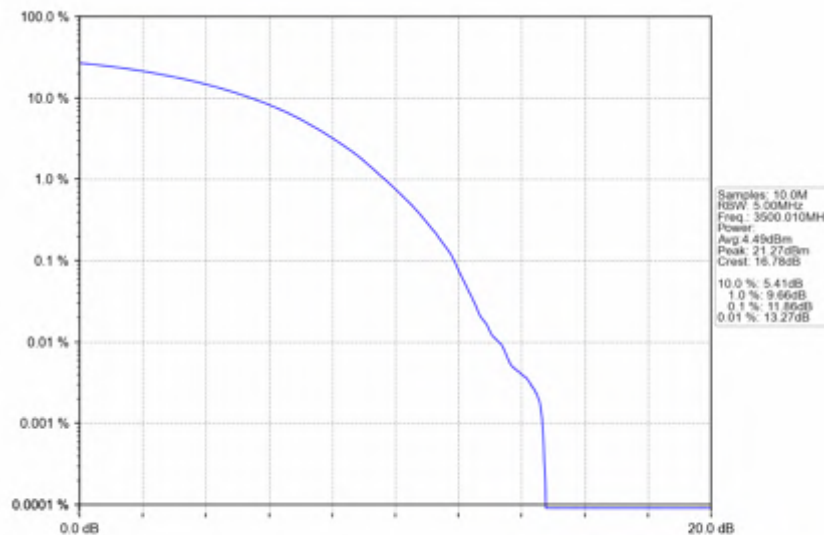


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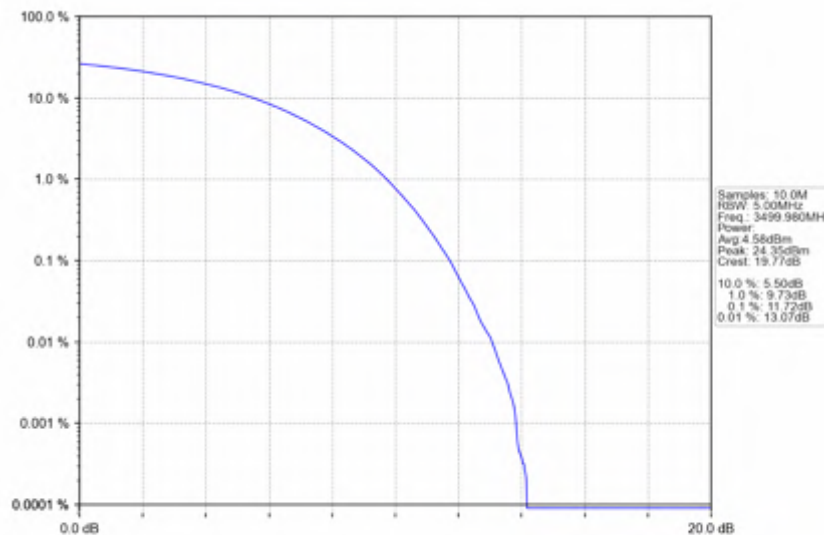
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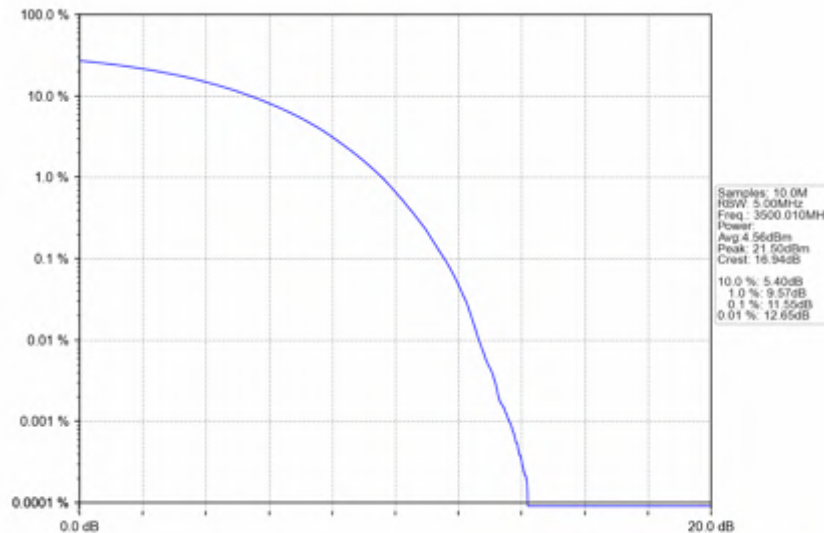
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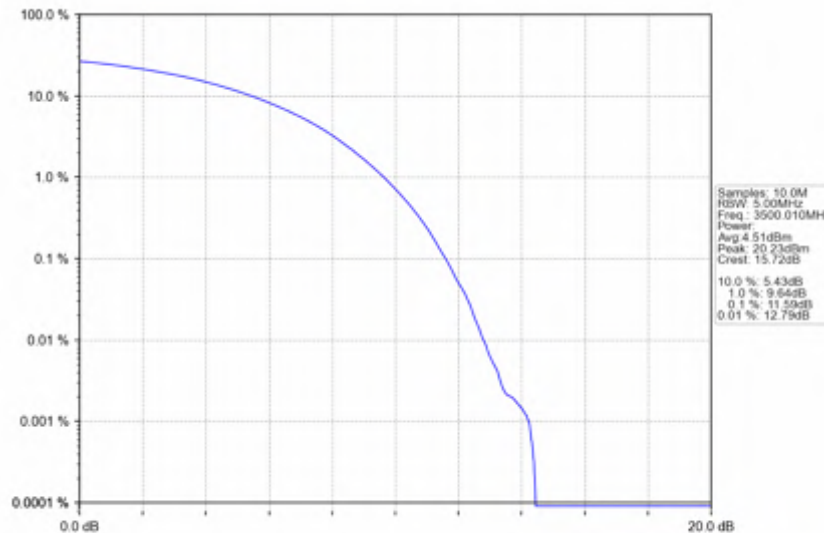
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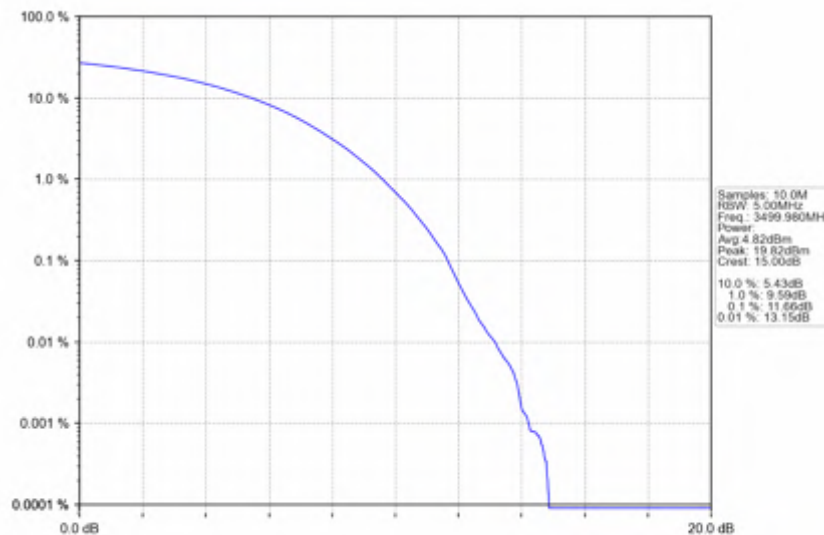
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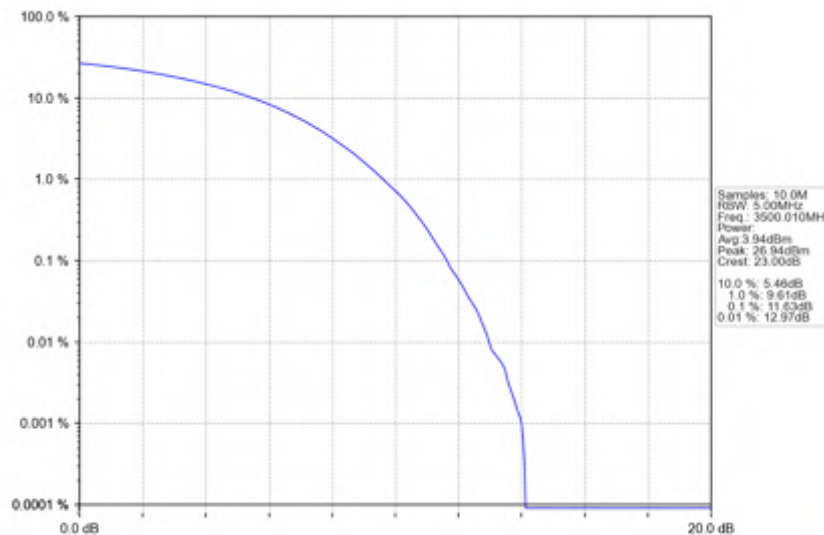
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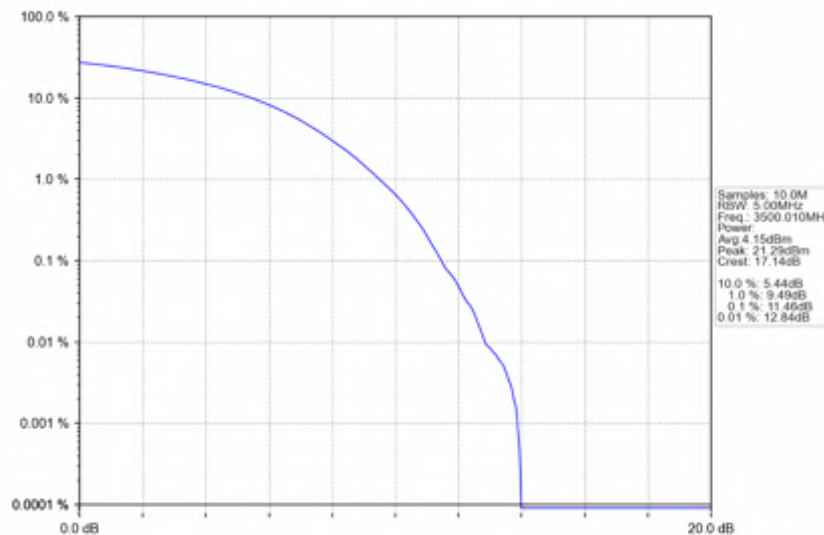
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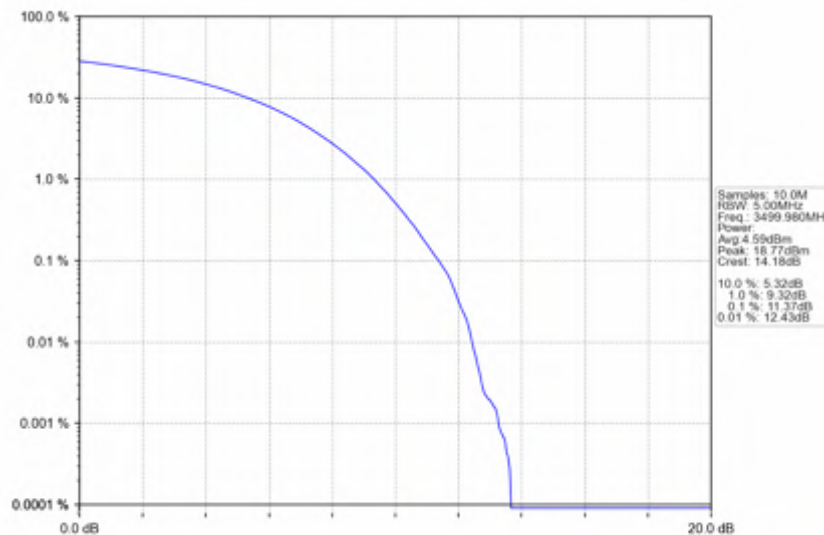
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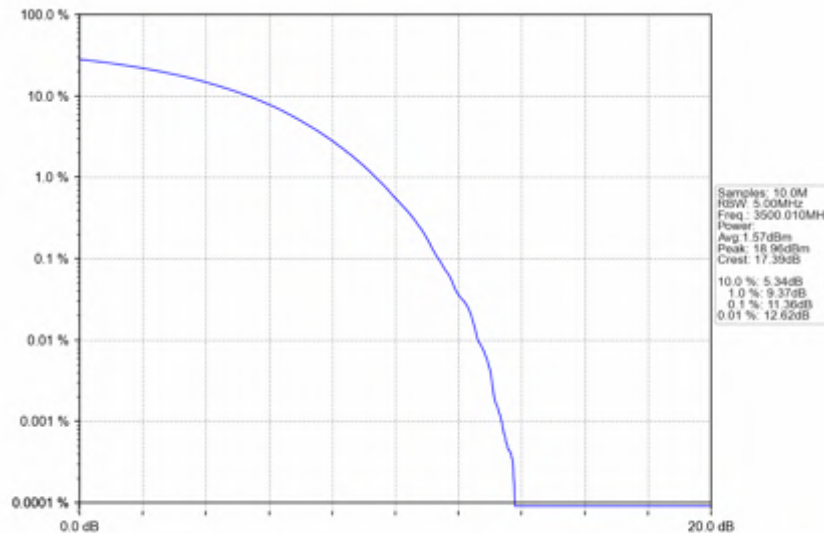


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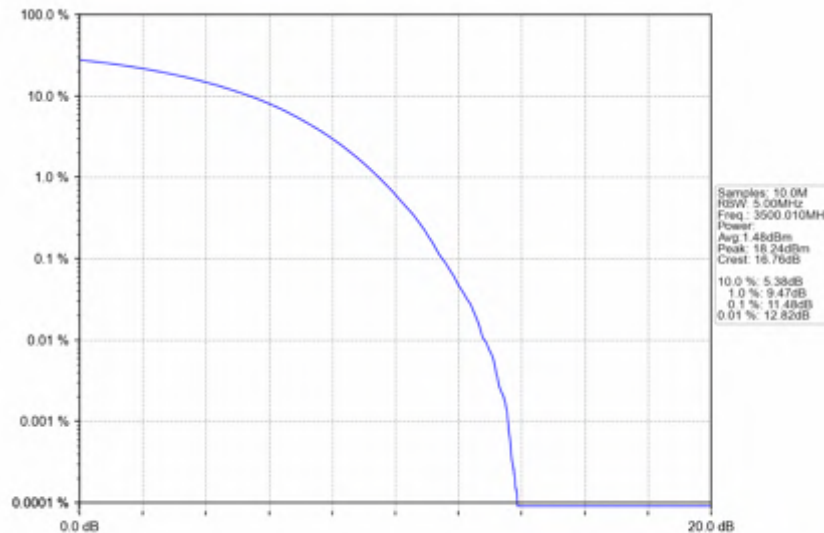
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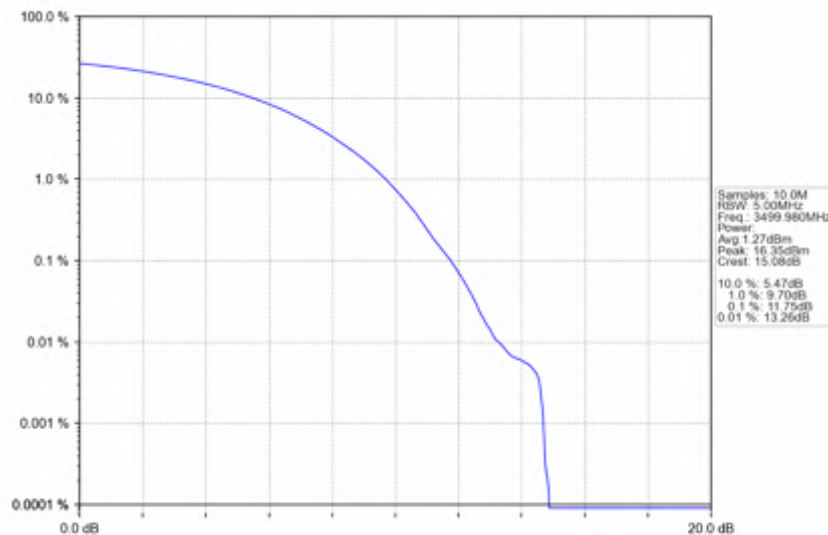
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No.10, Weiye Road, Innovation Park, Kunshan, Jiangsu, China 215300
中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

(86-512) 57350888 (86-512) 57370011 www.sgs.com.cn
(86-512) 57350883 (86-512) 57370011 sgs.china@sgs.com