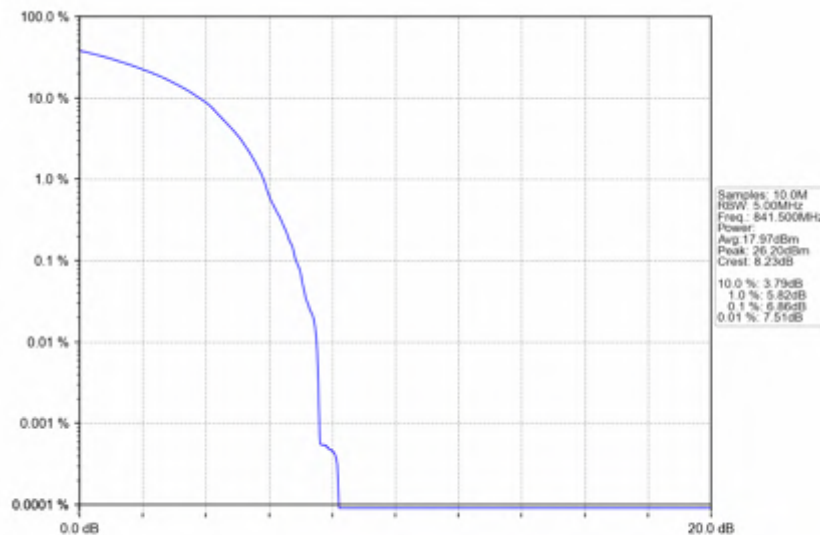
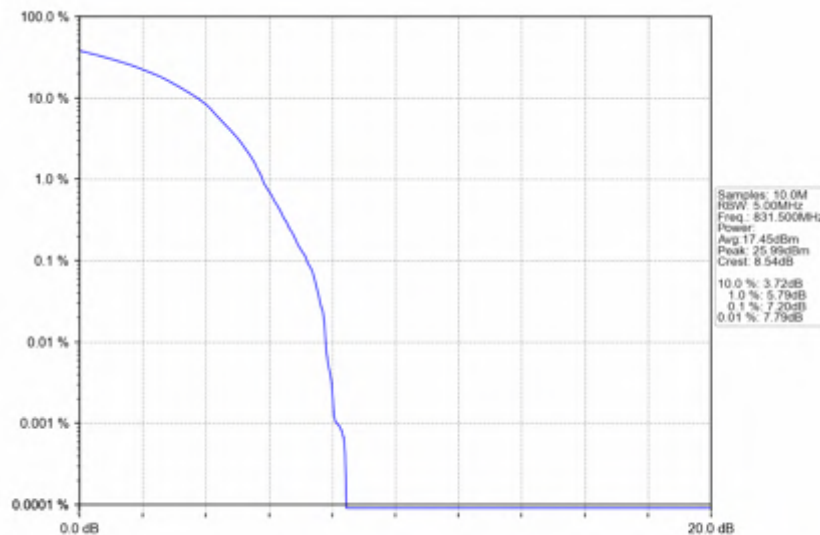


n5_30kHz_SISO_NTV_15MHz_DFT-s-OFDM 16 QAM 841.5MHz_Outer_Full



n5_30kHz_SISO_NTV_15MHz_DFT-s-OFDM 64 QAM 831.5MHz_Outer_Full



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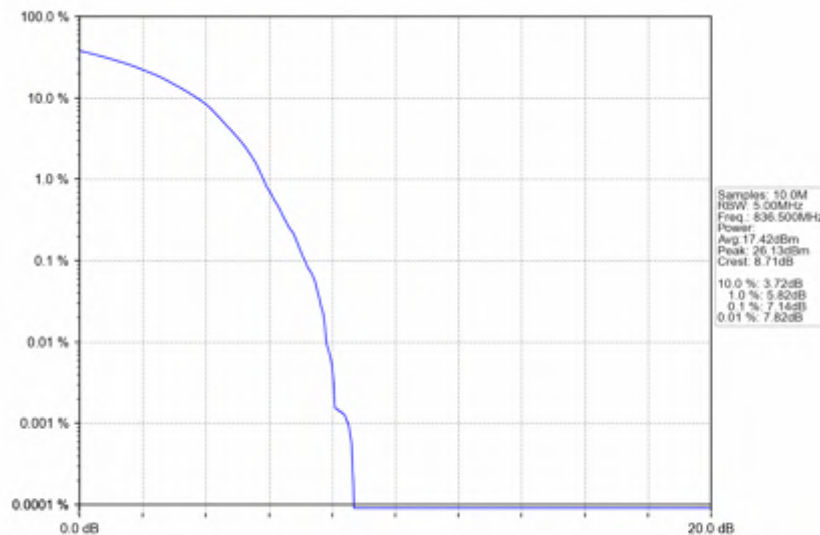
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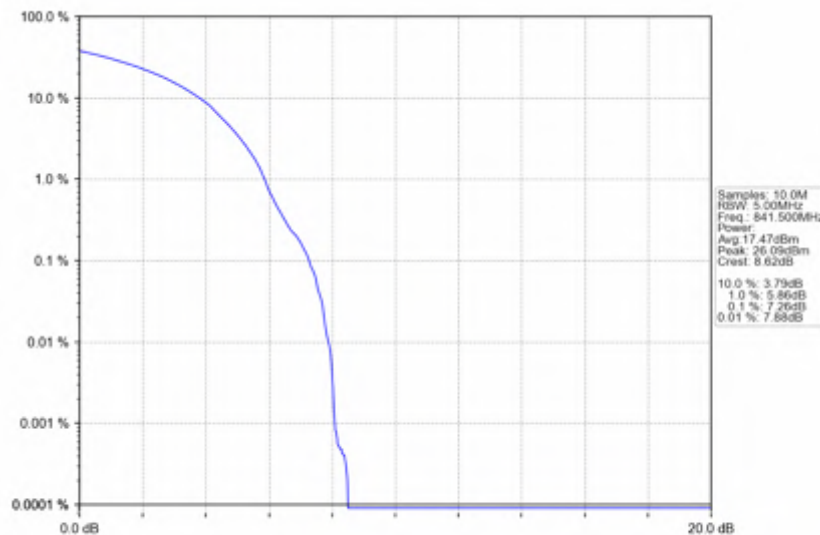
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n5_30kHz_SISO_NTV_15MHz_DFT-s-OFDM_64_QAM_836.5MHz_Outer_Full



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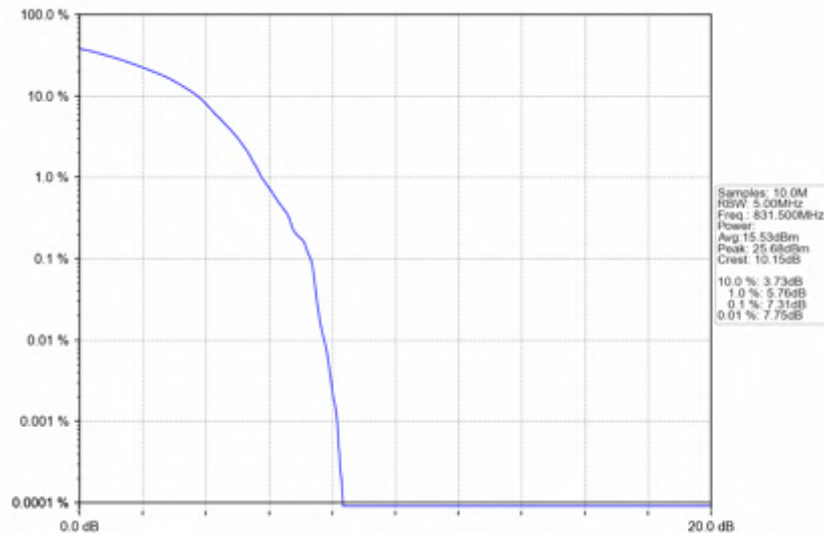
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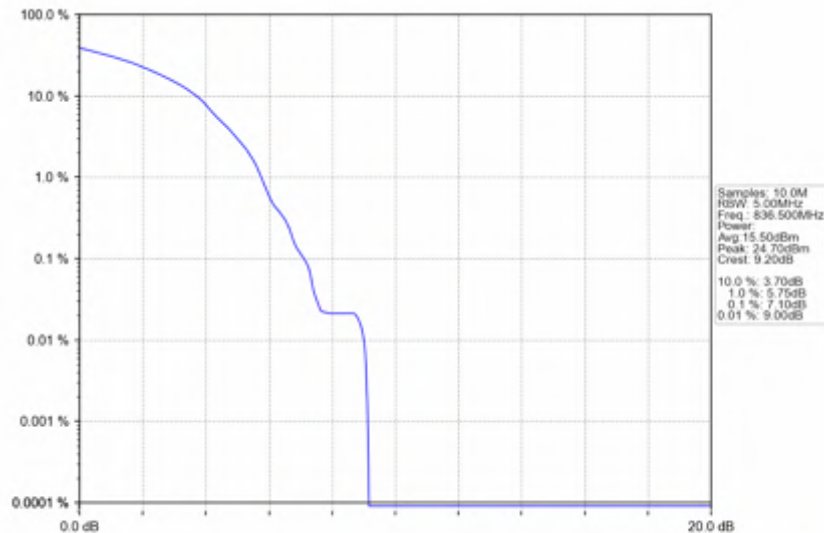
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n5_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_831.5MHz_Outer_Full



n5_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full



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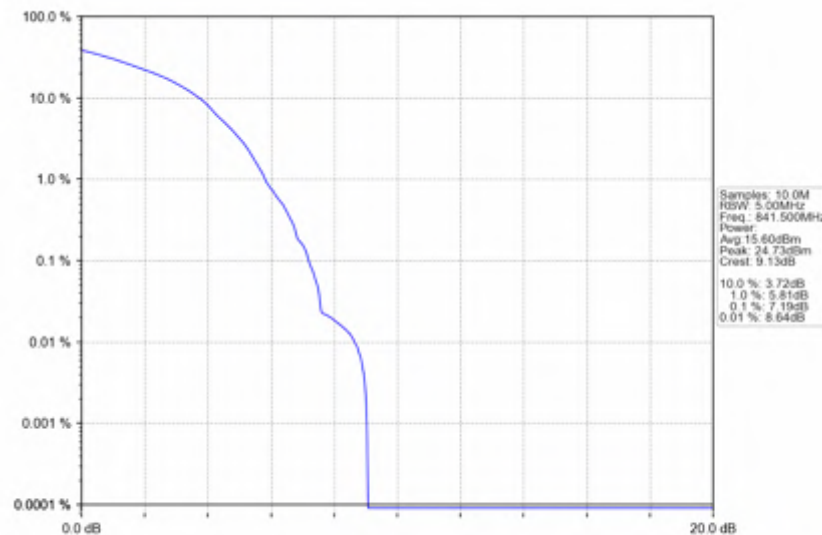
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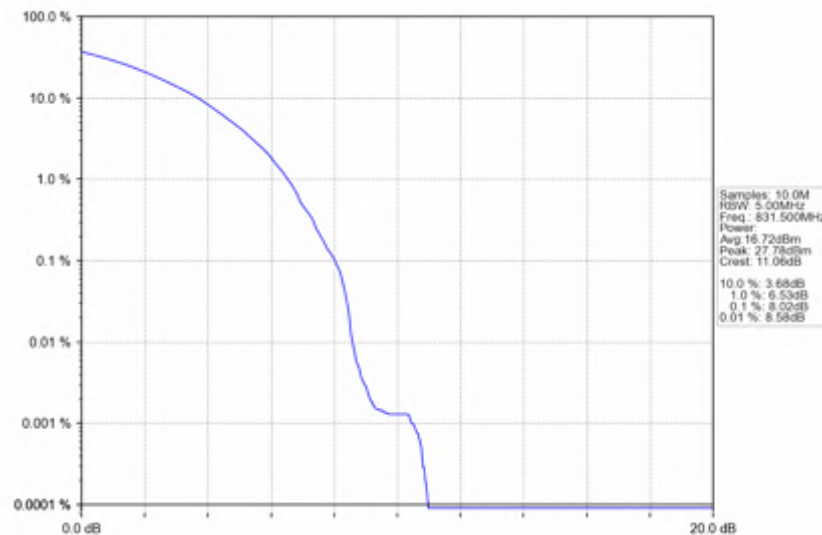
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n5_30kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_831.5MHz_Outer_Full

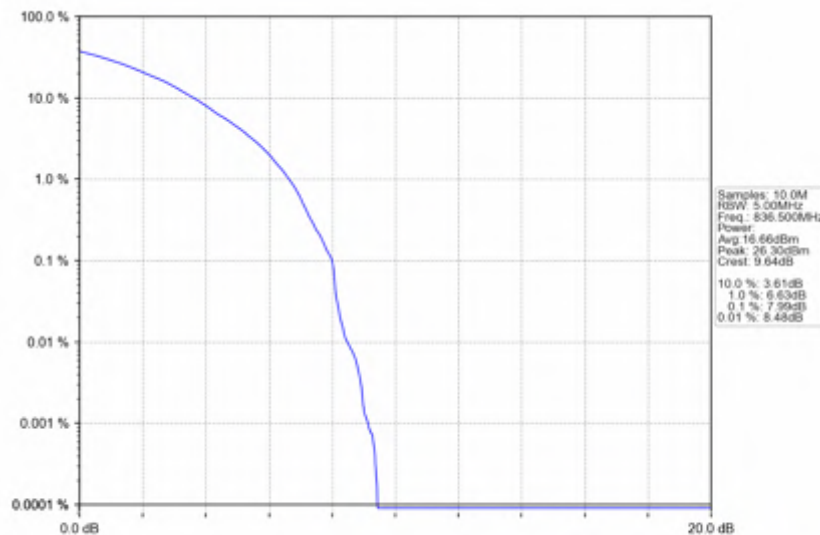


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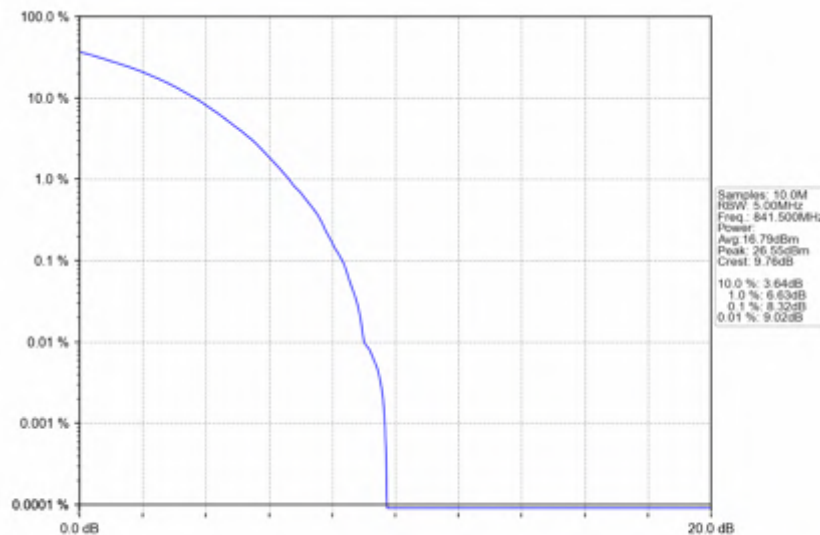
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n5_30kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_841.5MHz_Outer_Full

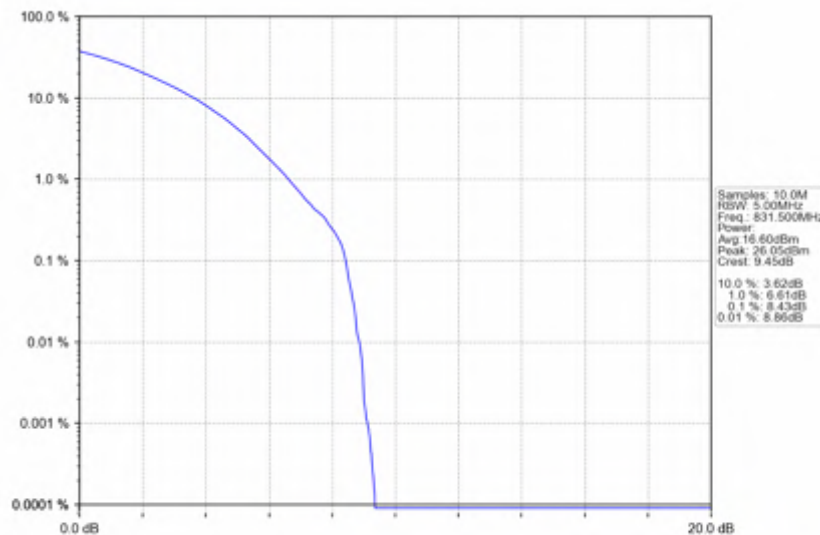


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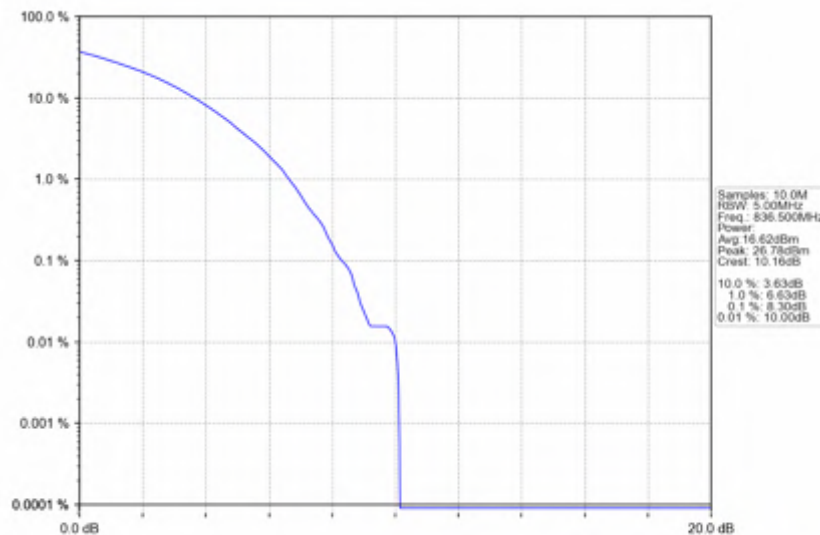
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n5_30kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_836.5MHz_Outer_Full



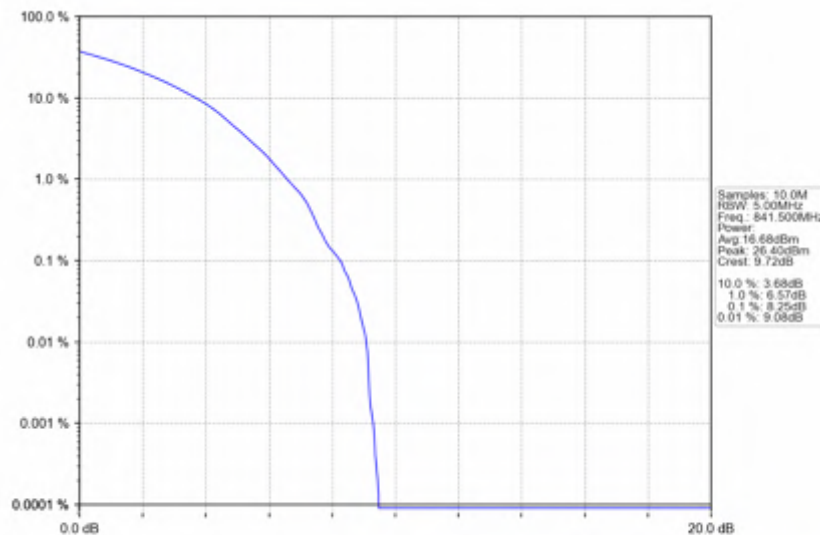
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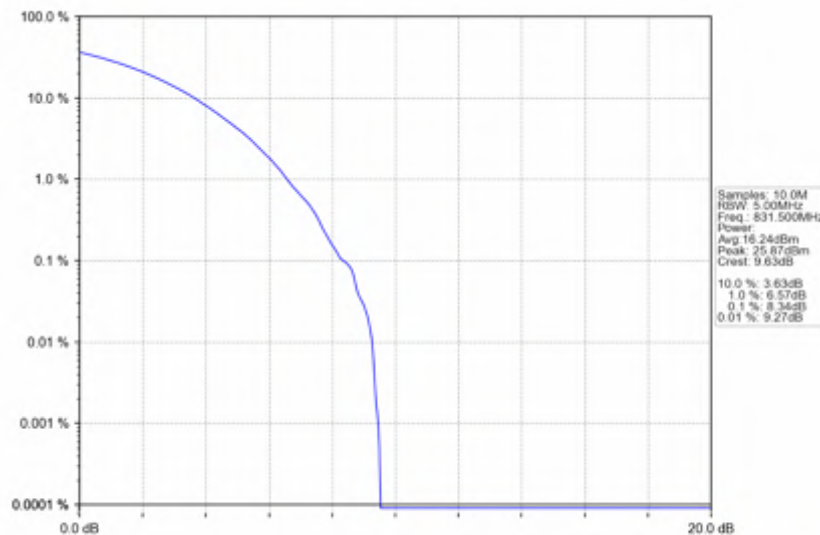
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n5_30kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_841.5MHz_Outer_Full



n5_30kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_831.5MHz_Outer_Full



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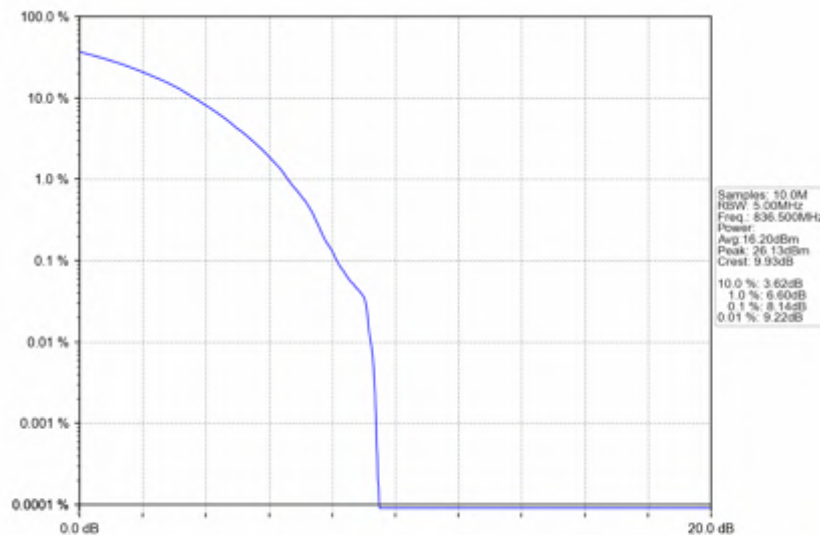
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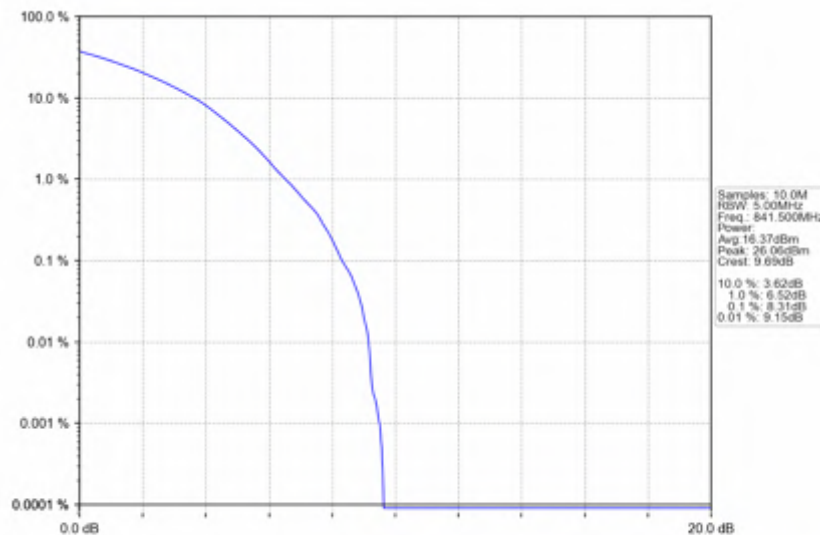
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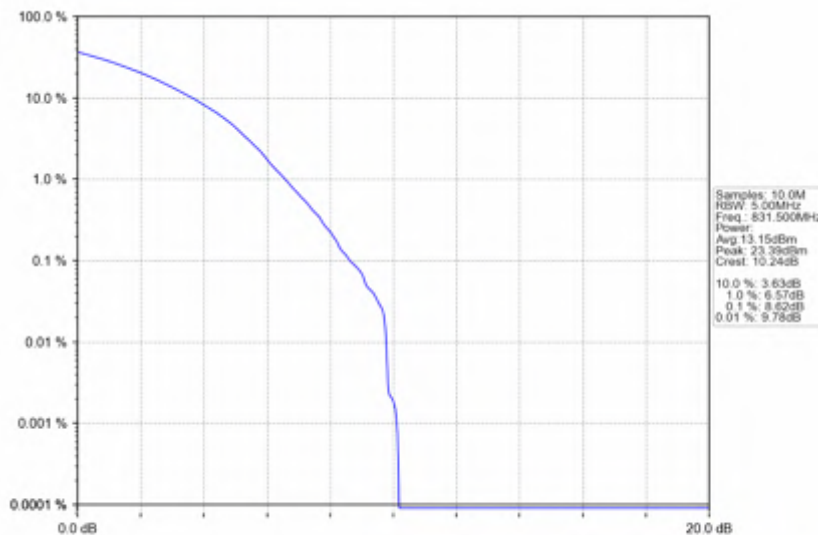


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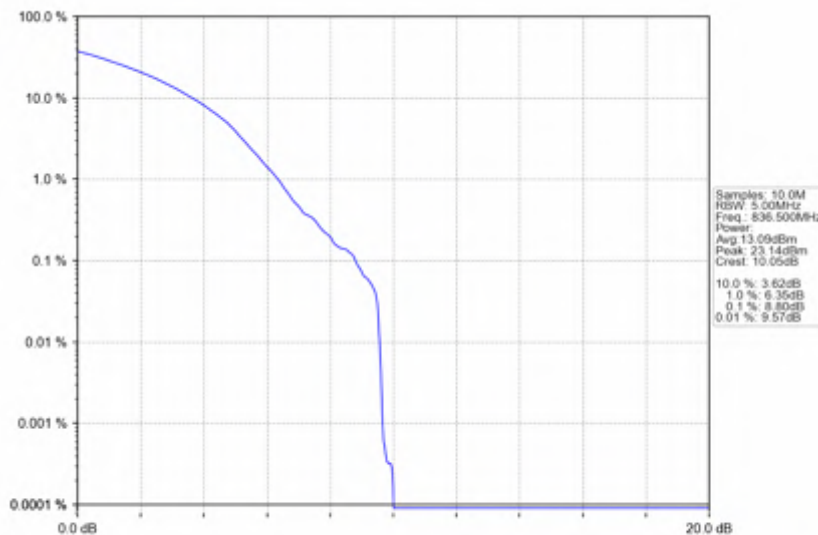
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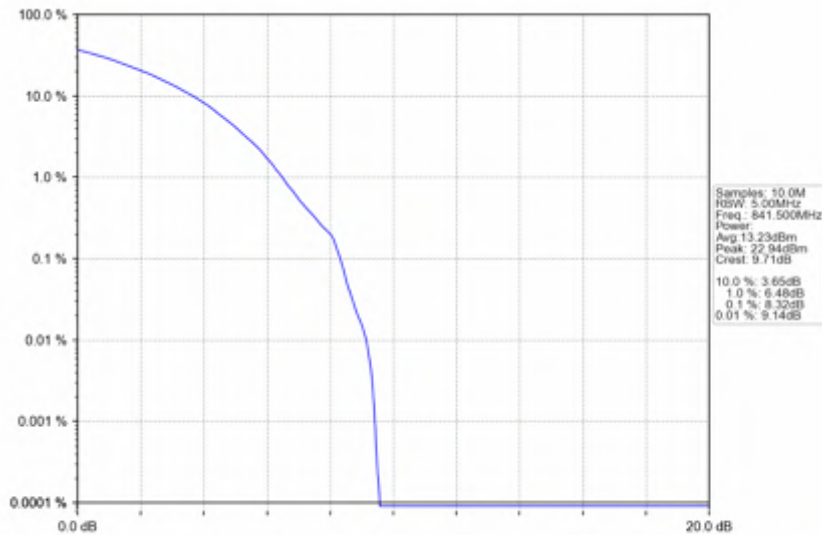
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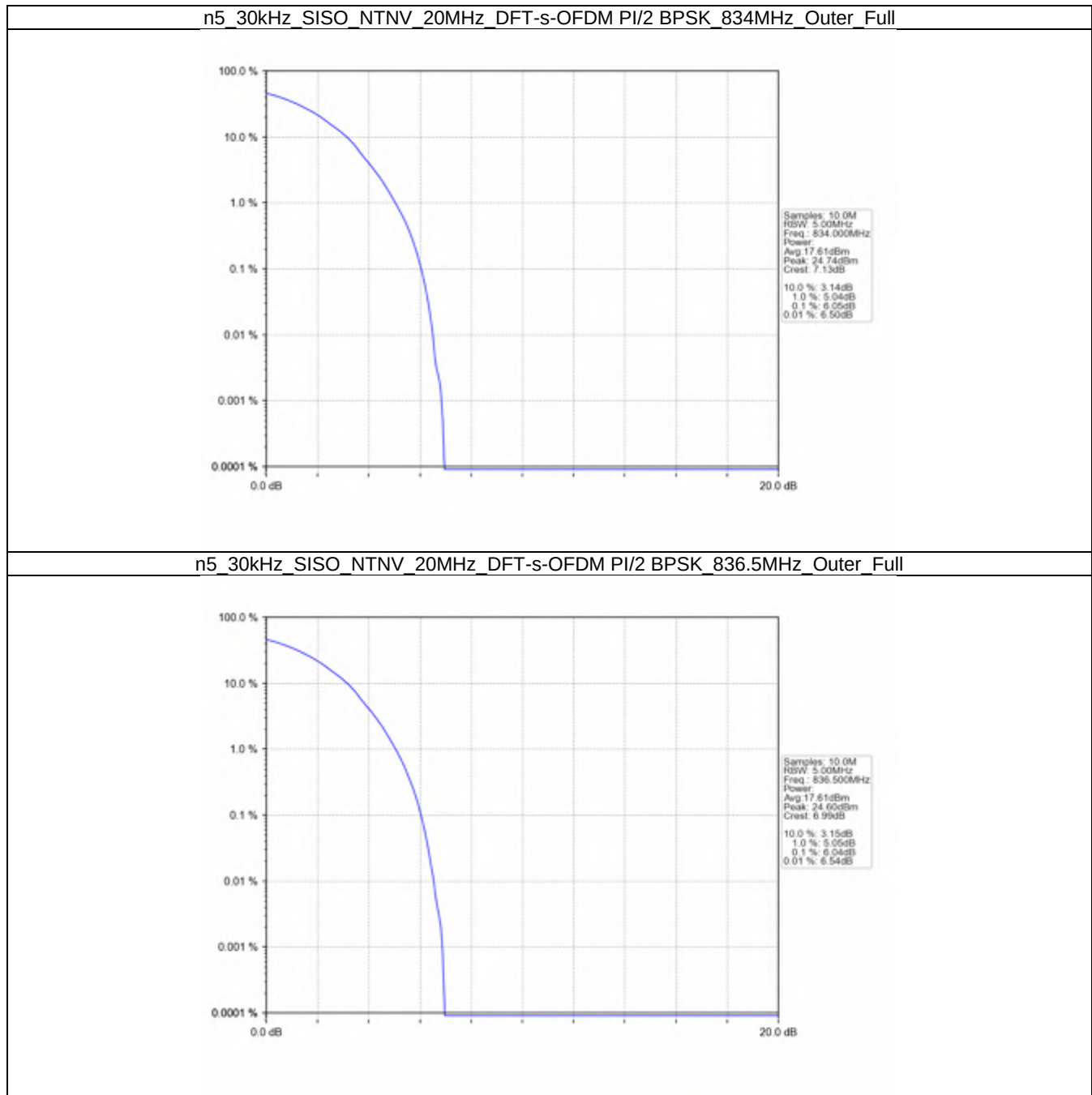
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2.7 30k_SISO_20MHz_NTNV

2.7.1 Test Result

5G NR n5 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	834	Outer_Full	6.05	/	/	<=13	Pass
	836.5	Outer_Full	6.04	/	/	<=13	Pass
	839	Outer_Full	6.09	/	/	<=13	Pass
DFT-s-OFDM QPSK	834	Outer_Full	6.92	/	/	<=13	Pass
	836.5	Outer_Full	6.84	/	/	<=13	Pass
	839	Outer_Full	6.87	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	834	Outer_Full	7.41	/	/	<=13	Pass
	836.5	Outer_Full	7.44	/	/	<=13	Pass
	839	Outer_Full	7.37	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	834	Outer_Full	7.01	/	/	<=13	Pass
	836.5	Outer_Full	7.30	/	/	<=13	Pass
	839	Outer_Full	7.33	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	834	Outer_Full	7.24	/	/	<=13	Pass
	836.5	Outer_Full	7.54	/	/	<=13	Pass
	839	Outer_Full	7.20	/	/	<=13	Pass
CP-OFDM QPSK	834	Outer_Full	8.28	/	/	<=13	Pass
	836.5	Outer_Full	8.19	/	/	<=13	Pass
	839	Outer_Full	8.18	/	/	<=13	Pass
CP-OFDM 16 QAM	834	Outer_Full	8.23	/	/	<=13	Pass
	836.5	Outer_Full	8.68	/	/	<=13	Pass
	839	Outer_Full	8.27	/	/	<=13	Pass
CP-OFDM 64 QAM	834	Outer_Full	8.37	/	/	<=13	Pass
	836.5	Outer_Full	8.68	/	/	<=13	Pass
	839	Outer_Full	8.26	/	/	<=13	Pass
CP-OFDM 256 QAM	834	Outer_Full	8.22	/	/	<=13	Pass
	836.5	Outer_Full	8.30	/	/	<=13	Pass
	839	Outer_Full	8.59	/	/	<=13	Pass

2.7.2 Test Graph



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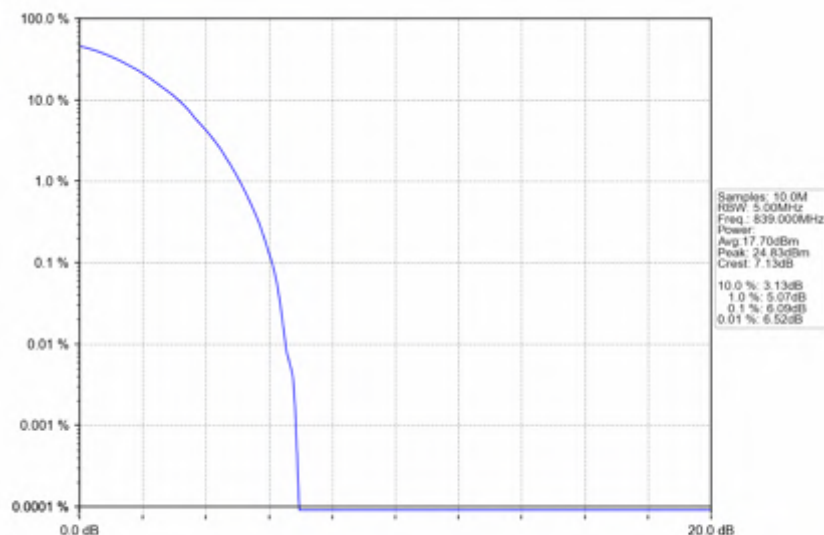
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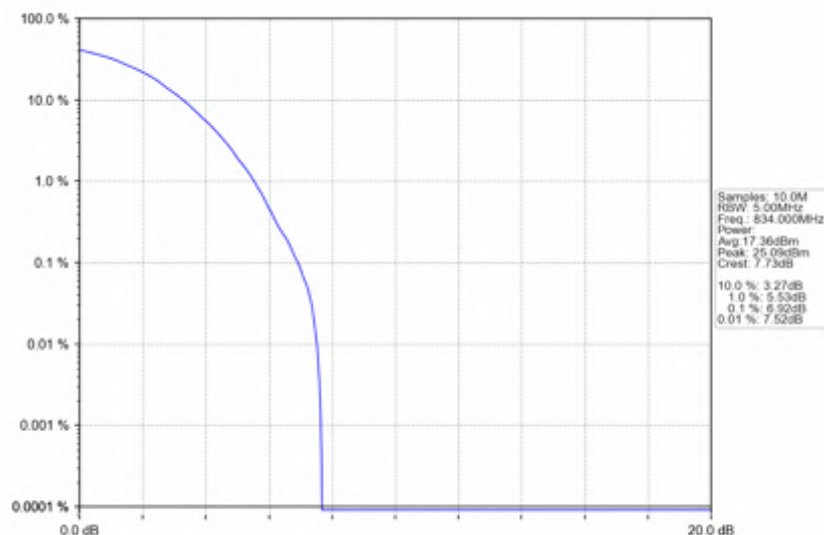
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n5 30kHz SISO NTV 20MHz DFT-s-OFDM PI/2 BPSK 839MHz Outer Full



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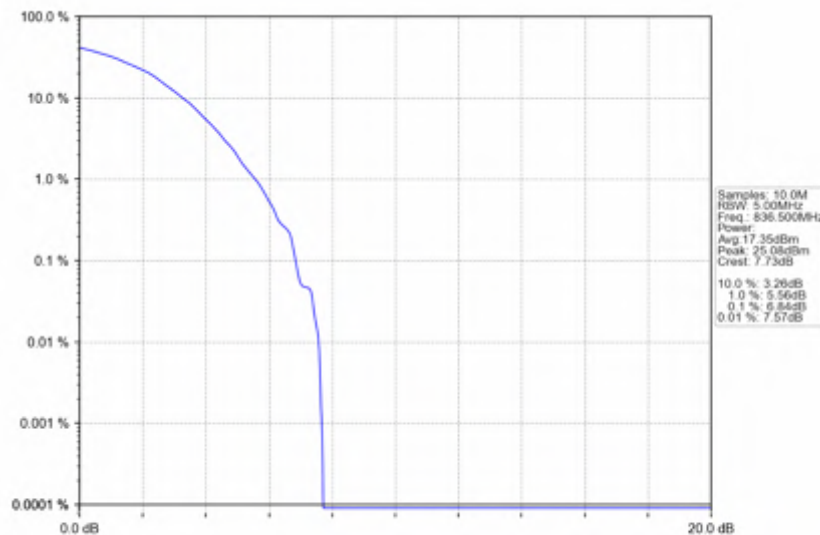


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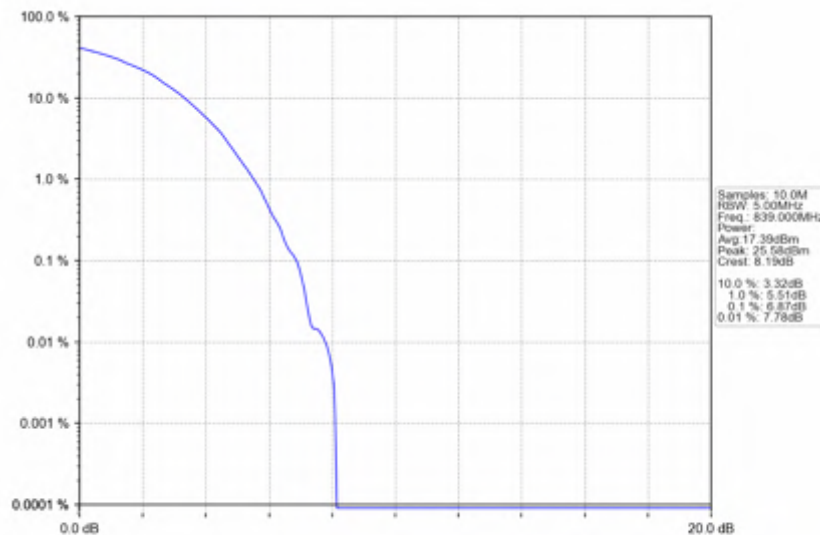
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n5_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_836.5MHz_Outer_Full



n5_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_839MHz_Outer_Full



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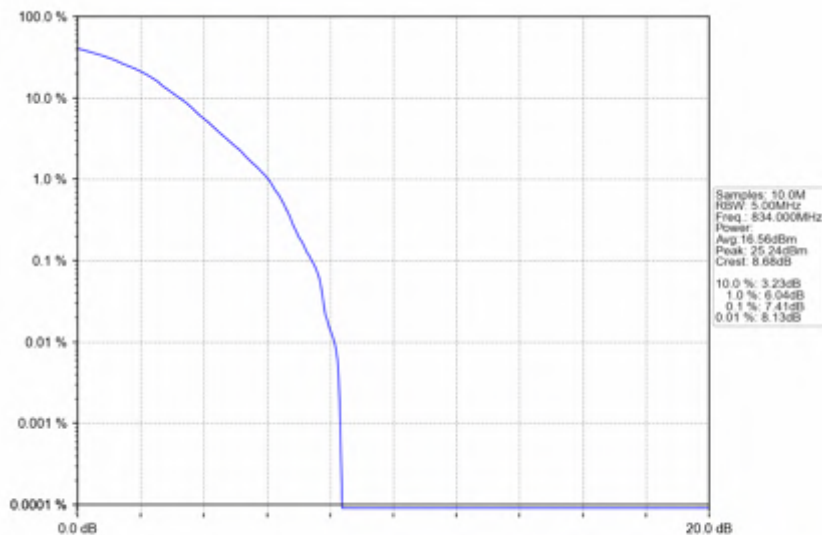
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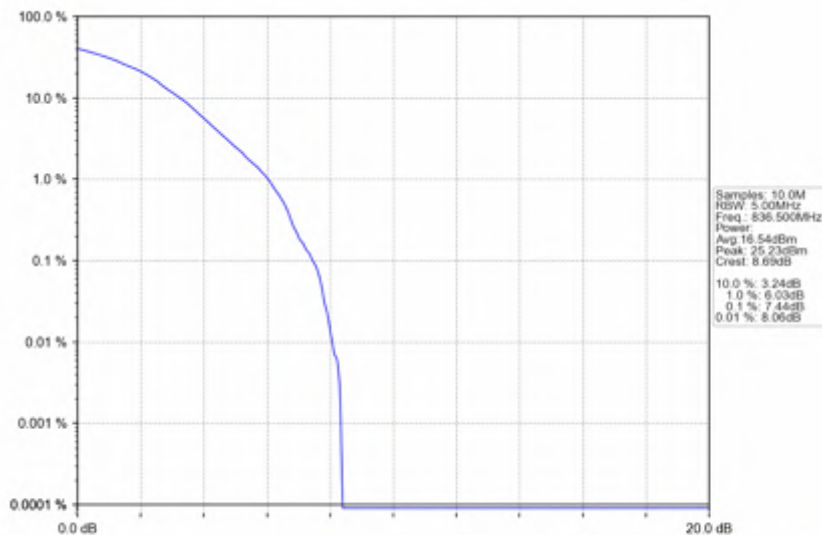
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n5_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_834MHz_Outer_Full



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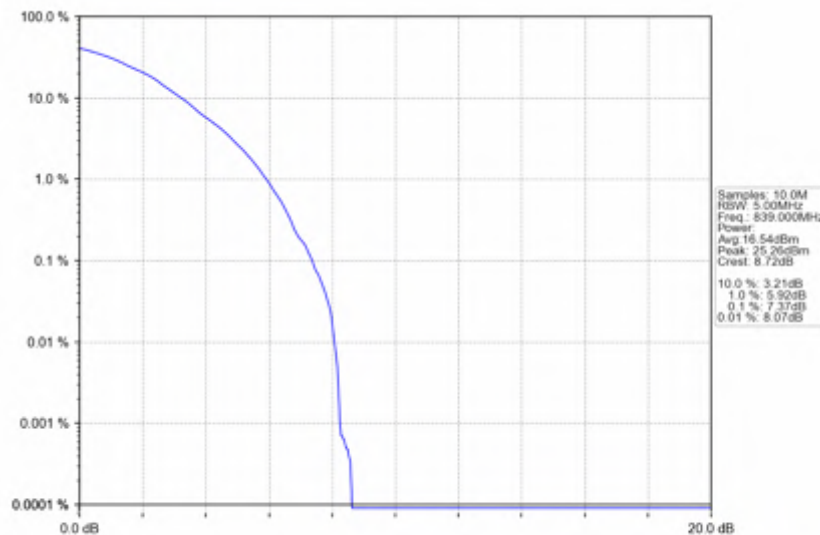


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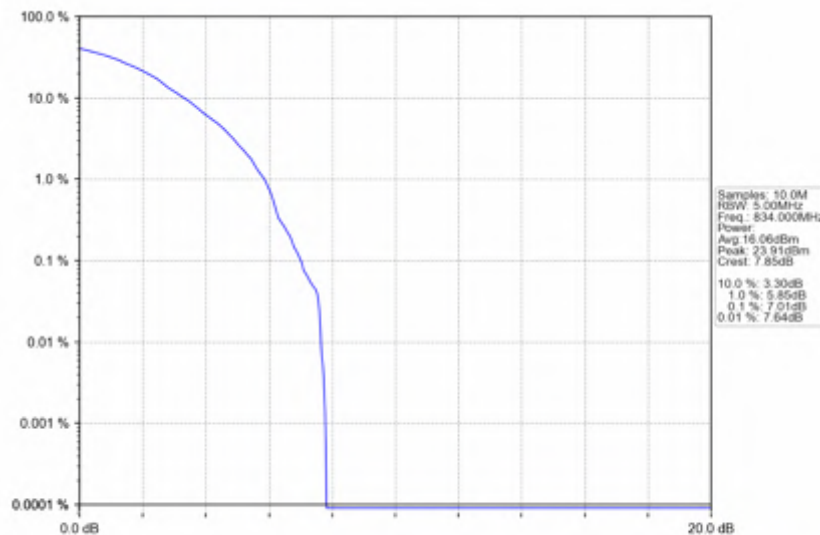
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n5_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_839MHz_Outer_Full



n5_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_834MHz_Outer_Full



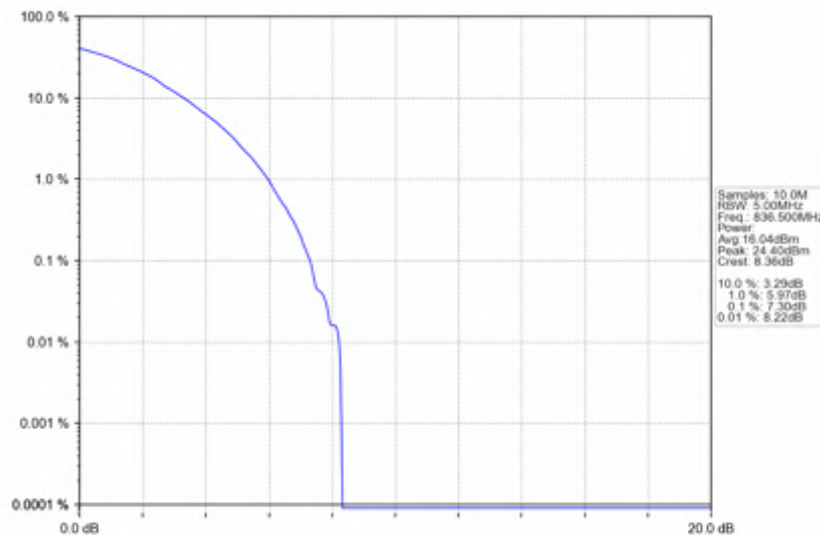
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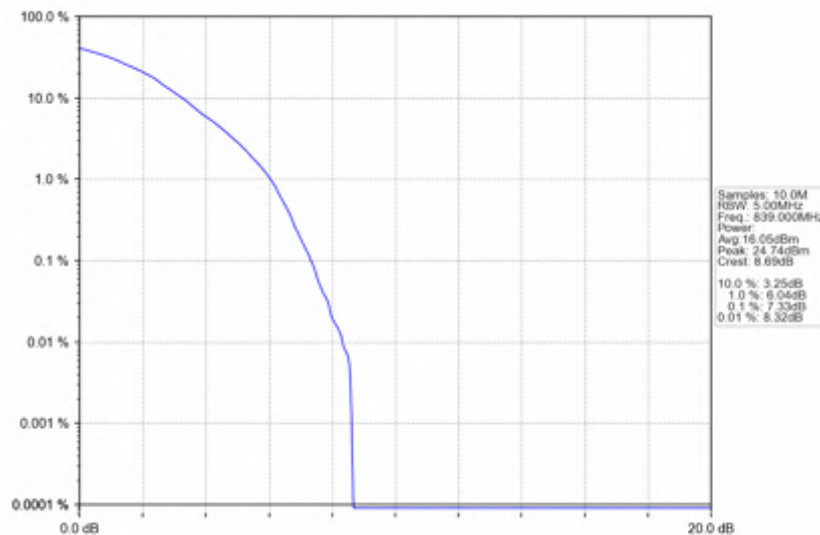
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n5 30kHz SISO NTNv 20MHz DFT-s-OFDM 64 QAM 836.5MHz Outer Full



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

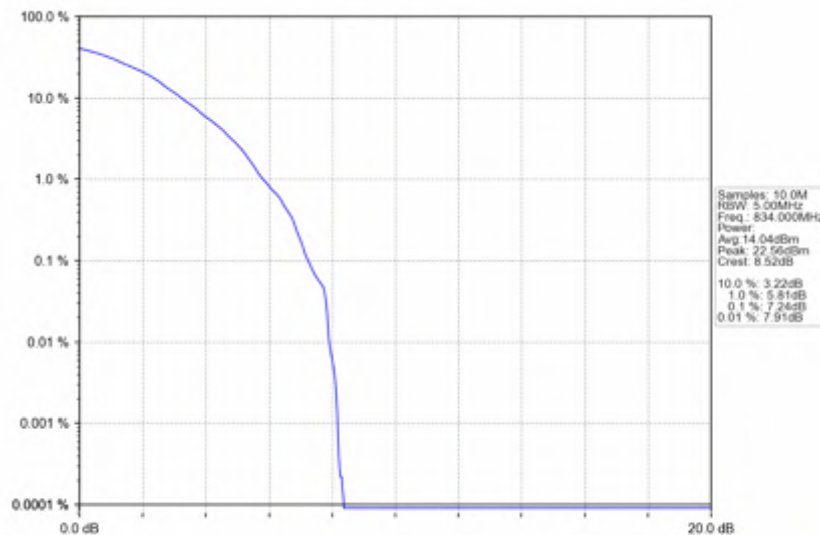


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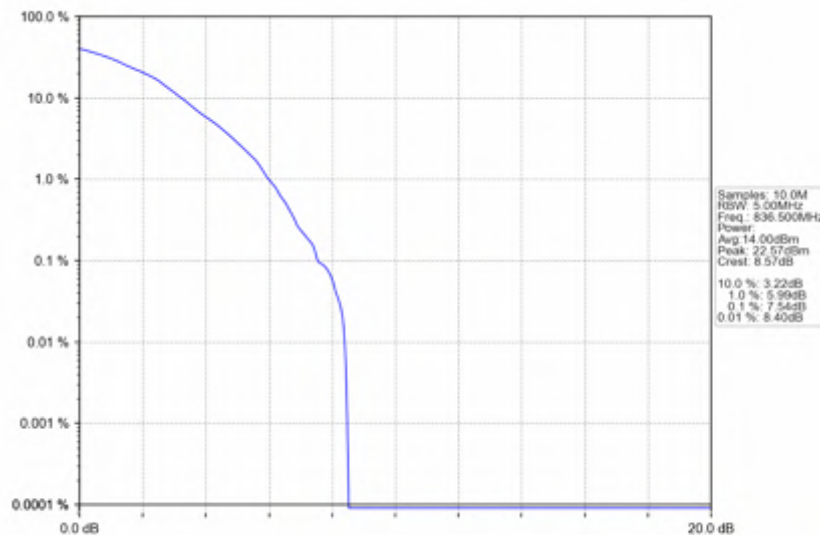
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n5_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_834MHz_Outer_Full



n5_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_836.5MHz_Outer_Full



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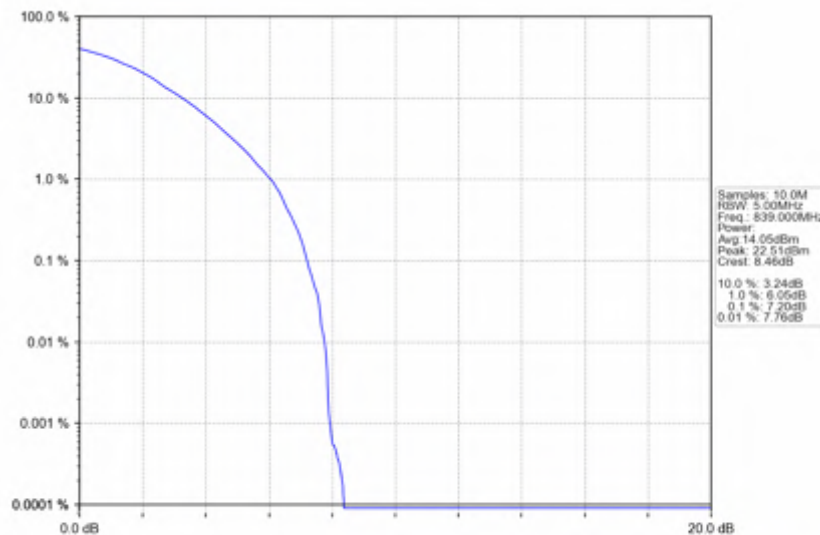
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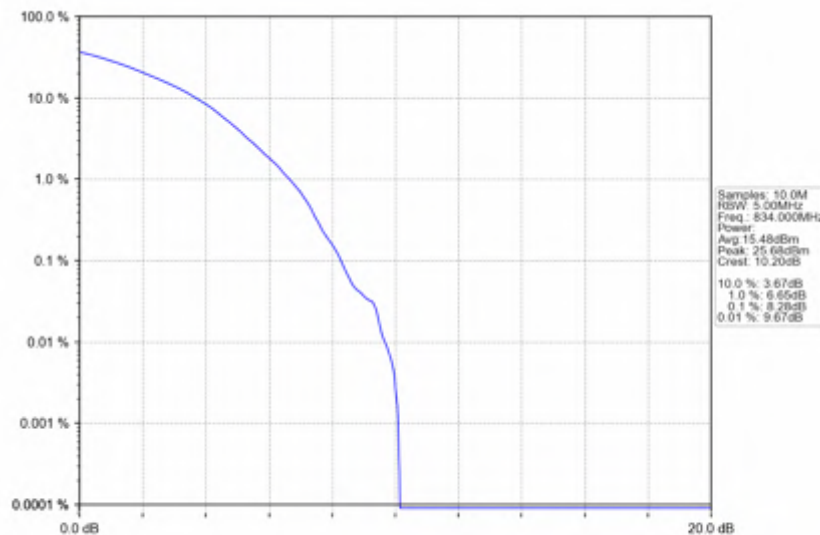
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n5_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_839MHz_Outer_Full



n5_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_834MHz_Outer_Full

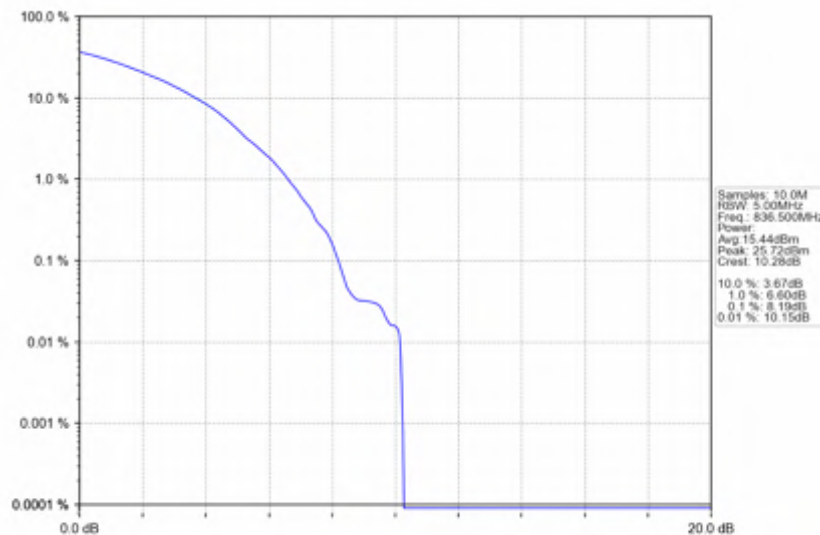


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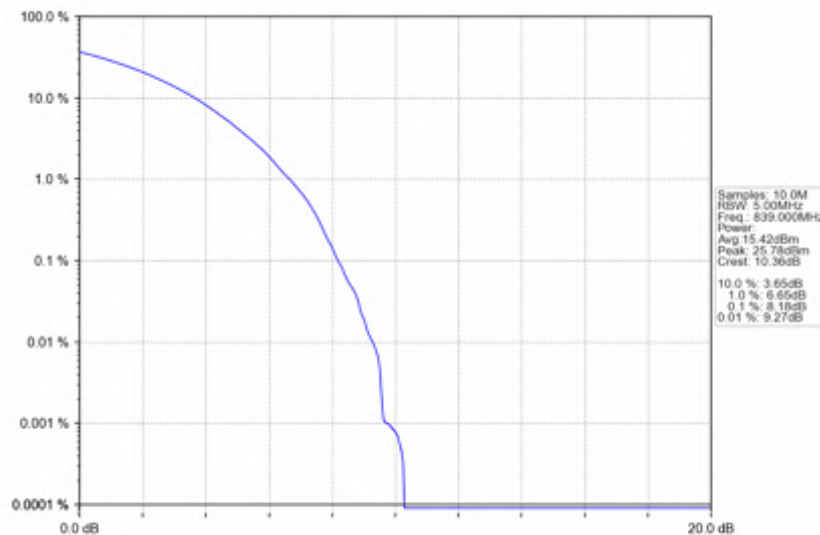
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n5_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_836.5MHz_Outer_Full



n5_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_839MHz_Outer_Full



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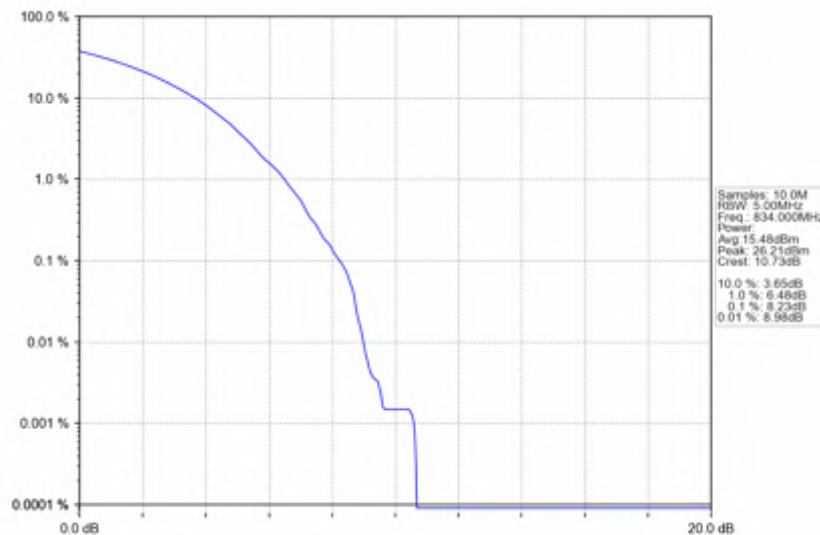
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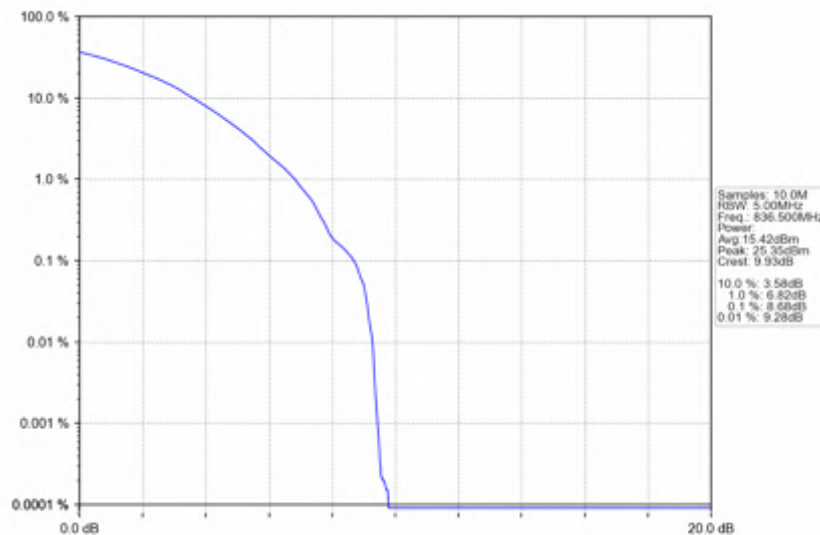
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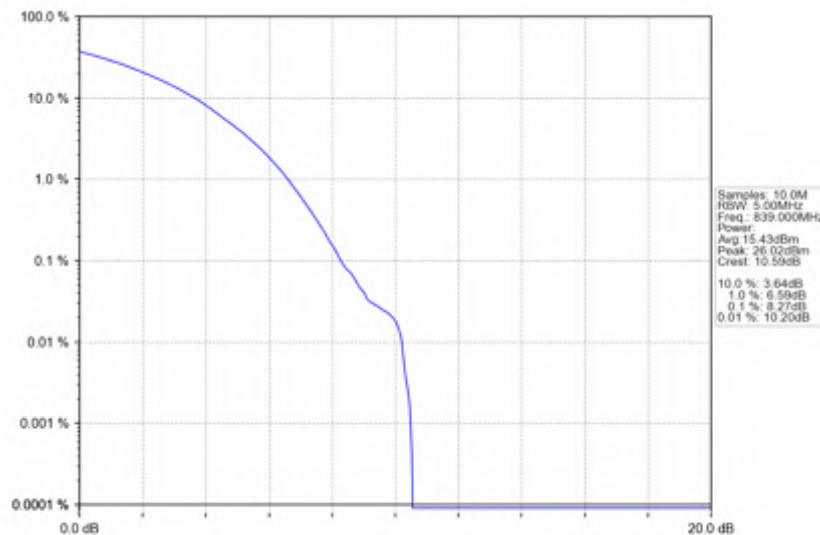


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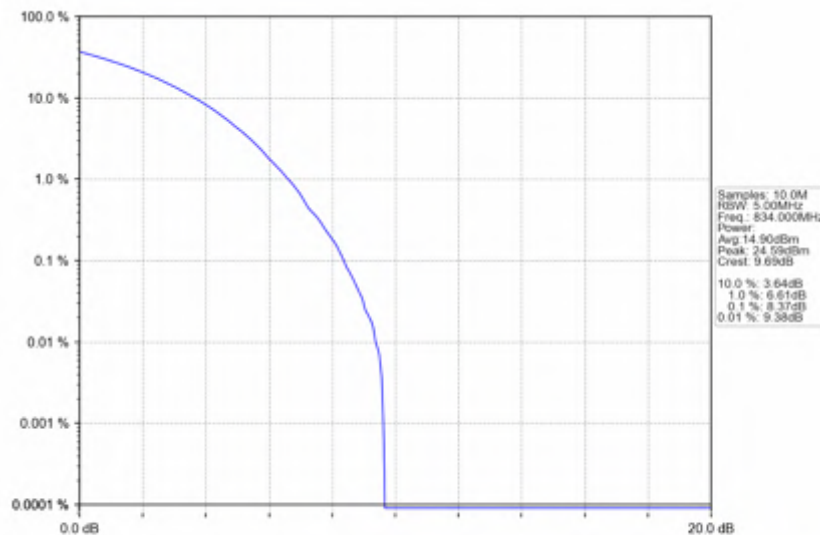
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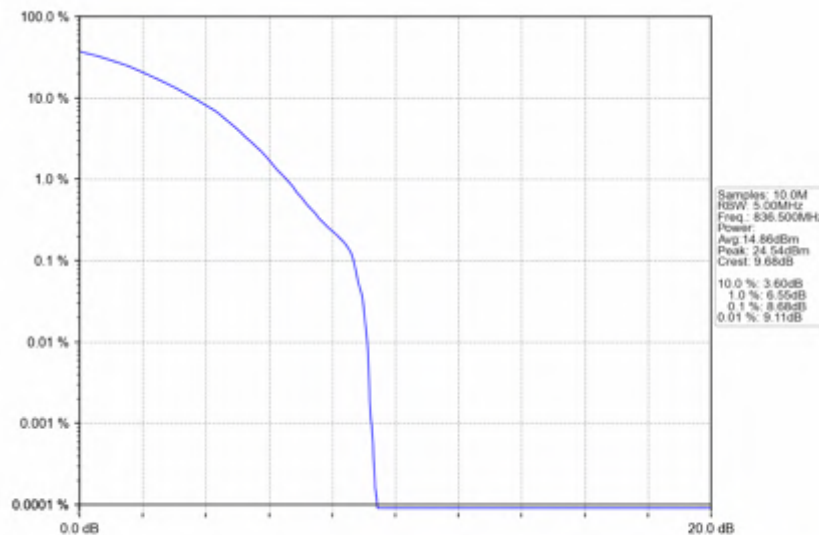


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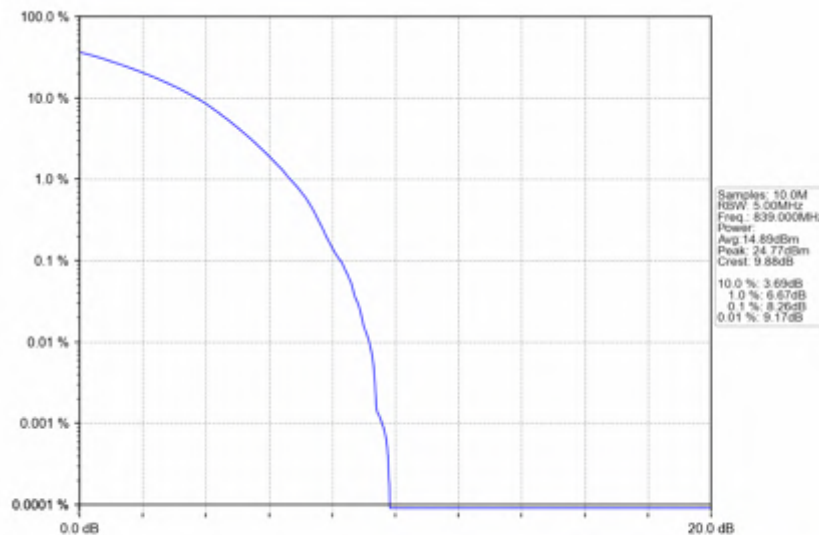
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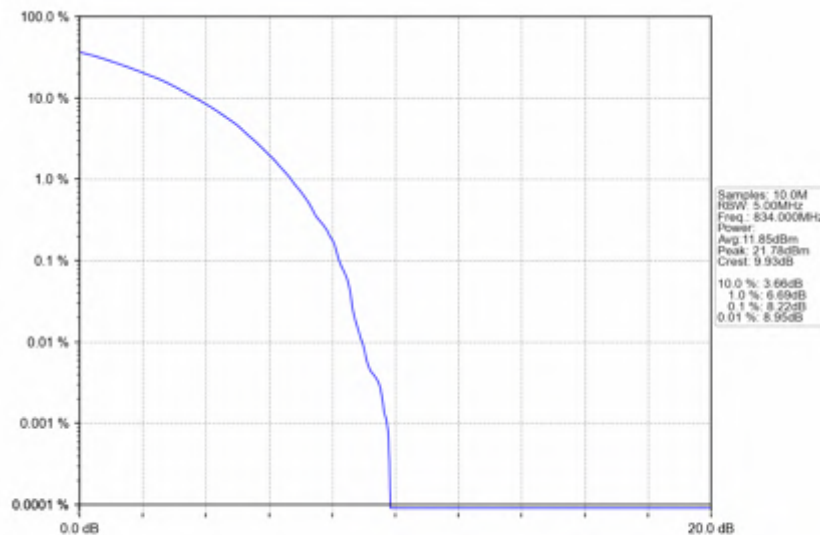


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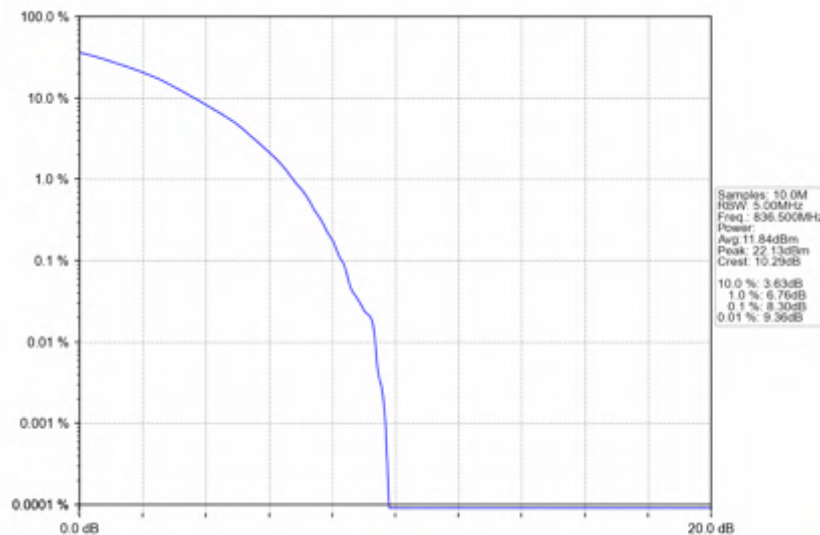
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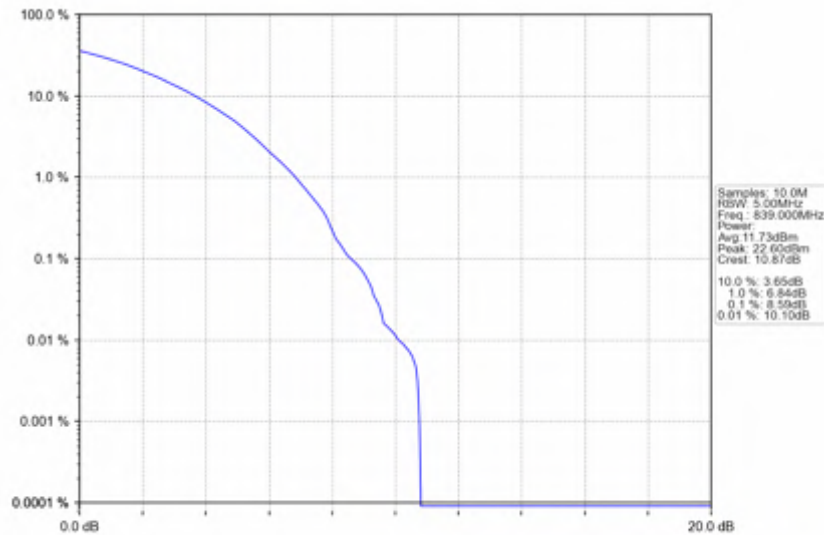


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n5_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_839MHz_Outer_Full



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3. n7 Peak-Average Ratio

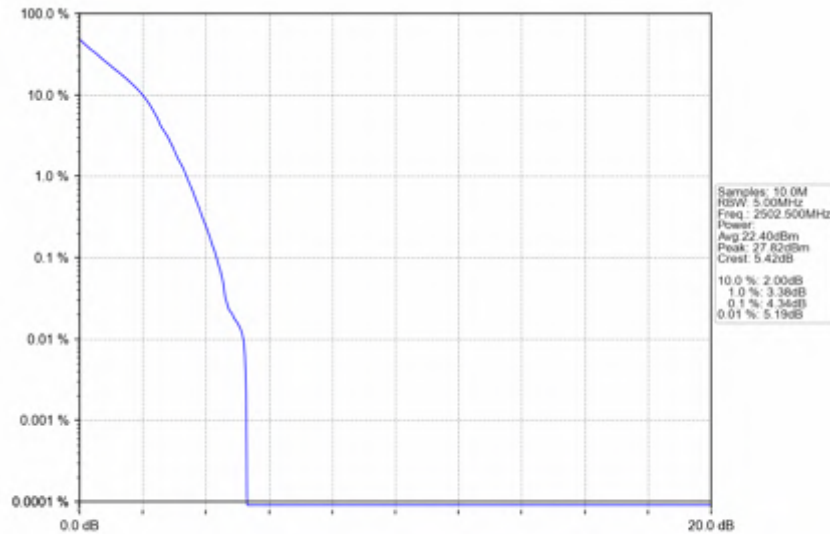
3.1 15k_SISO_5MHz_NTNV

3.1.1 Test Result

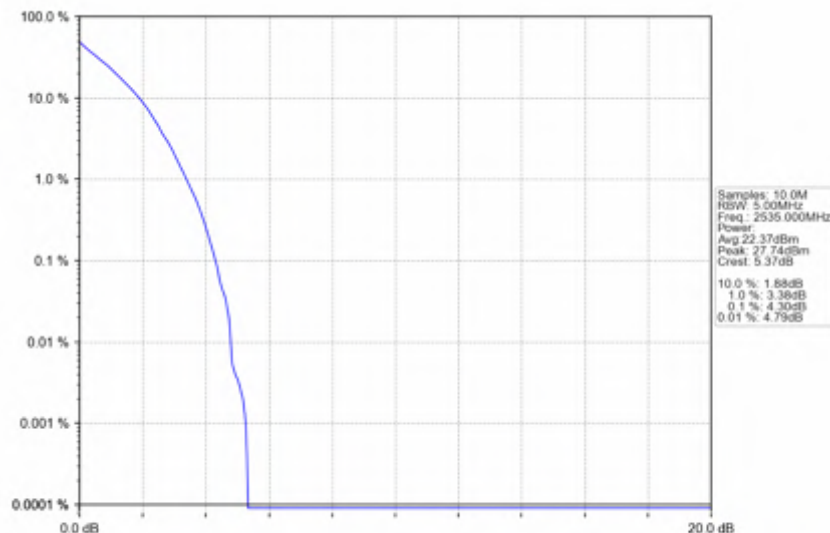
5G NR n7 SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2502.5	Outer_Full	4.34	/	/	<=13	Pass
	2535	Outer_Full	4.30	/	/	<=13	Pass
	2567.5	Outer_Full	4.25	/	/	<=13	Pass
DFT-s-OFDM QPSK	2502.5	Outer_Full	5.64	/	/	<=13	Pass
	2535	Outer_Full	5.68	/	/	<=13	Pass
	2567.5	Outer_Full	5.68	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2502.5	Outer_Full	6.45	/	/	<=13	Pass
	2535	Outer_Full	6.48	/	/	<=13	Pass
	2567.5	Outer_Full	6.41	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2502.5	Outer_Full	6.45	/	/	<=13	Pass
	2535	Outer_Full	6.45	/	/	<=13	Pass
	2567.5	Outer_Full	6.44	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2502.5	Outer_Full	6.59	/	/	<=13	Pass
	2535	Outer_Full	6.64	/	/	<=13	Pass
	2567.5	Outer_Full	6.69	/	/	<=13	Pass
CP-OFDM QPSK	2502.5	Outer_Full	7.95	/	/	<=13	Pass
	2535	Outer_Full	7.96	/	/	<=13	Pass
	2567.5	Outer_Full	8.02	/	/	<=13	Pass
CP-OFDM 16 QAM	2502.5	Outer_Full	8.13	/	/	<=13	Pass
	2535	Outer_Full	8.14	/	/	<=13	Pass
	2567.5	Outer_Full	8.15	/	/	<=13	Pass
CP-OFDM 64 QAM	2502.5	Outer_Full	8.32	/	/	<=13	Pass
	2535	Outer_Full	8.29	/	/	<=13	Pass
	2567.5	Outer_Full	8.31	/	/	<=13	Pass
CP-OFDM 256 QAM	2502.5	Outer_Full	8.59	/	/	<=13	Pass
	2535	Outer_Full	8.54	/	/	<=13	Pass
	2567.5	Outer_Full	8.56	/	/	<=13	Pass

3.1.2 Test Graph

n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2502.5MHz_Outer_Full



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Outer_Full

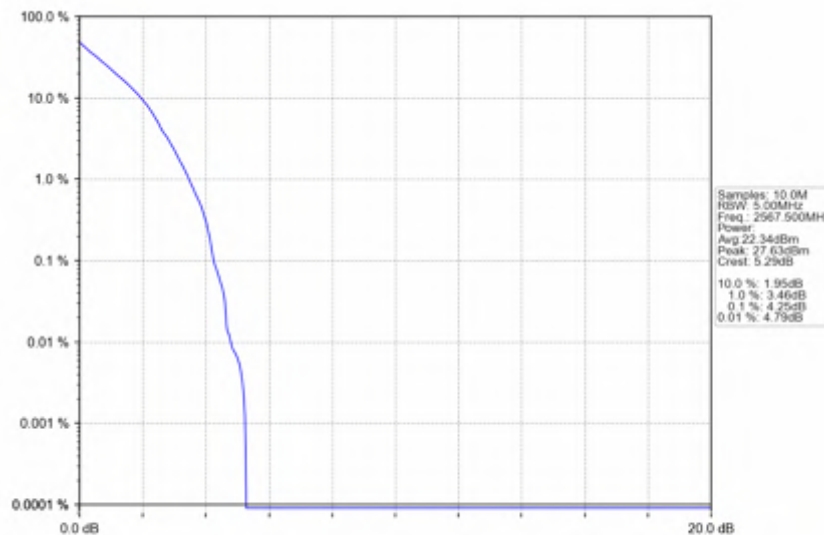


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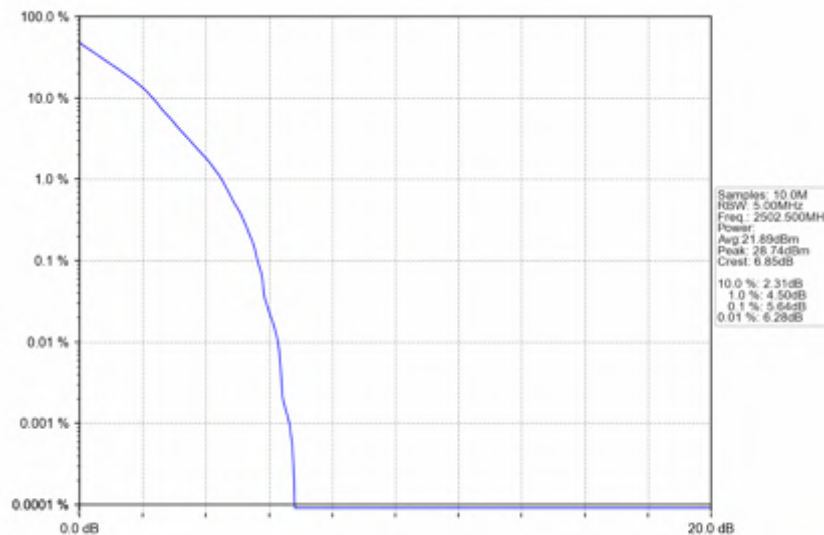
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_2567.5MHz_Outer_Full



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2502.5MHz_Outer_Full



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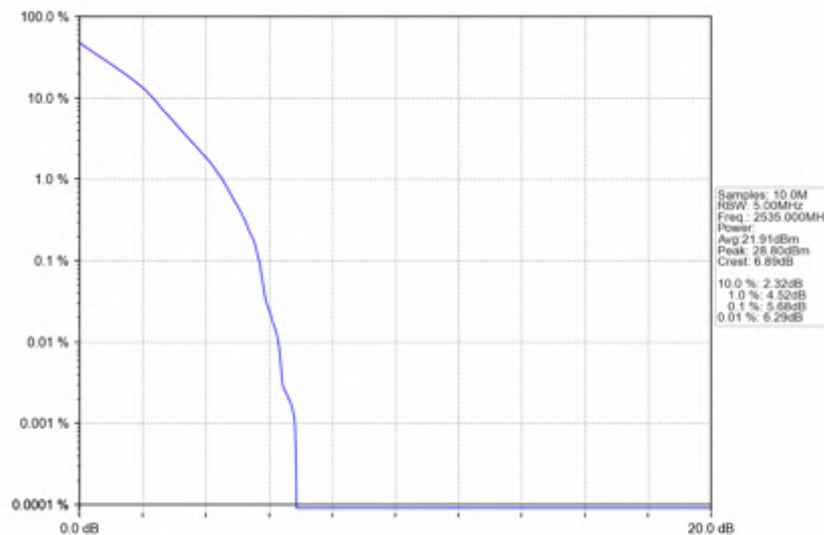
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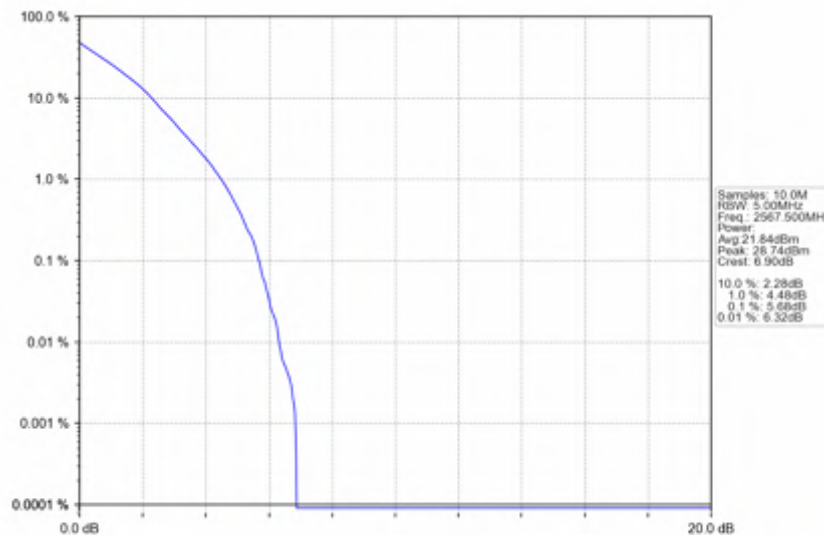
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2535MHz_Outer_Full



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_2567.5MHz_Outer_Full

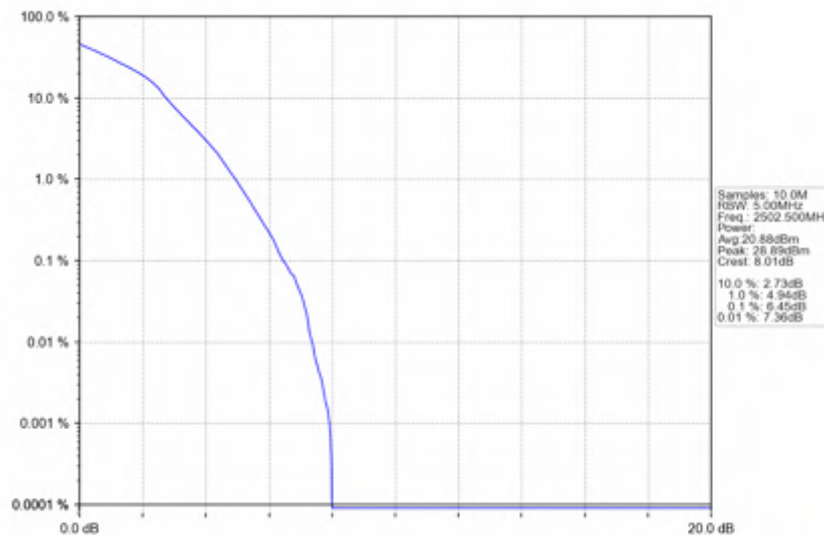


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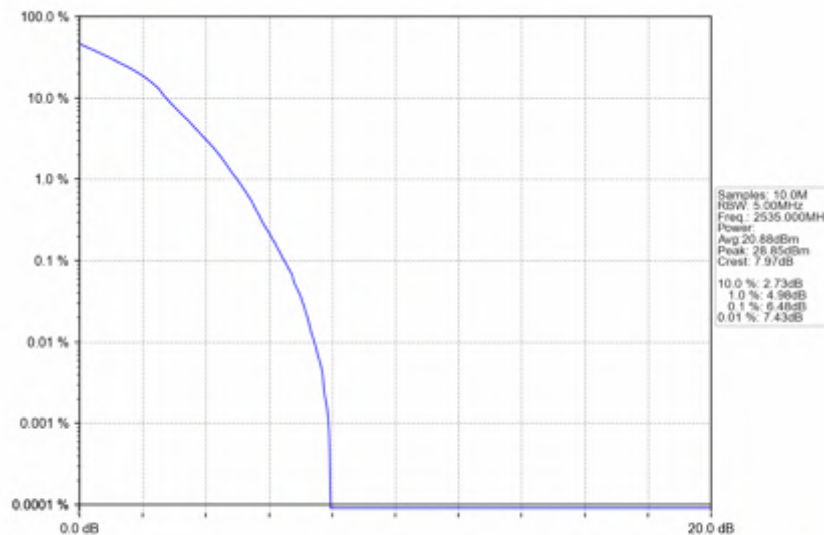
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_2502.5MHz_Outer_Full



n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_2535MHz_Outer_Full



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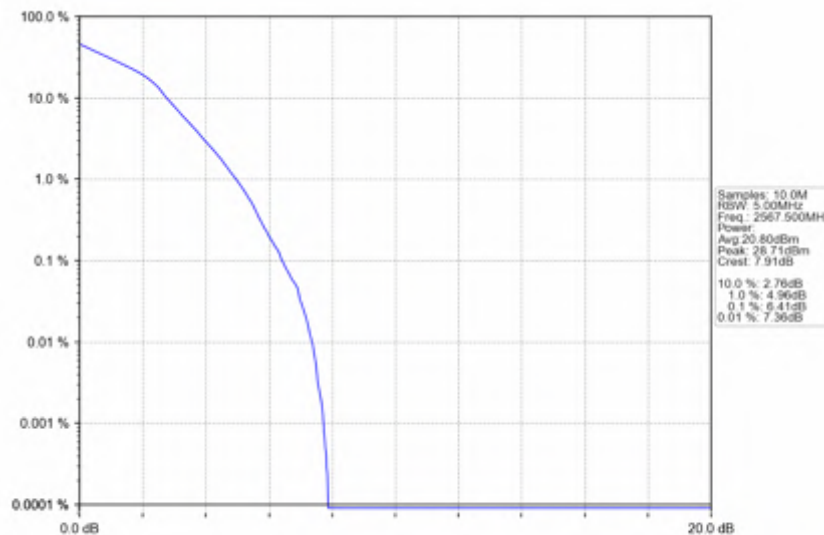
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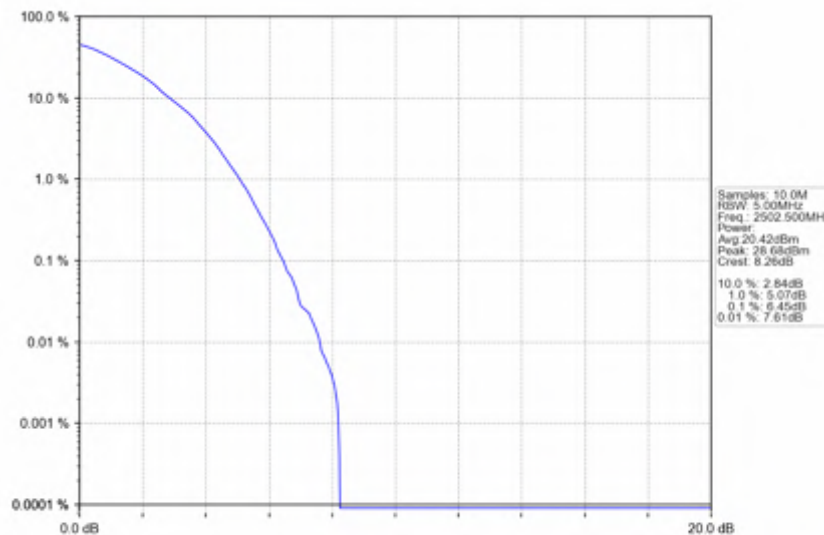
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n7_15kHz_SISO_NTV_5MHz_DFT-s-OFDM 16 QAM_2567.5MHz_Outer_Full



n7_15kHz_SISO_NTV_5MHz_DFT-s-OFDM 64 QAM_2502.5MHz_Outer_Full



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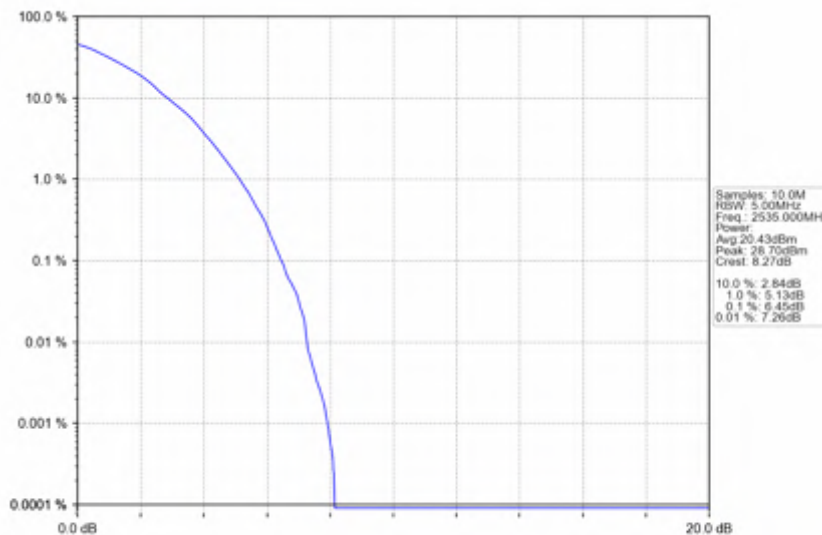
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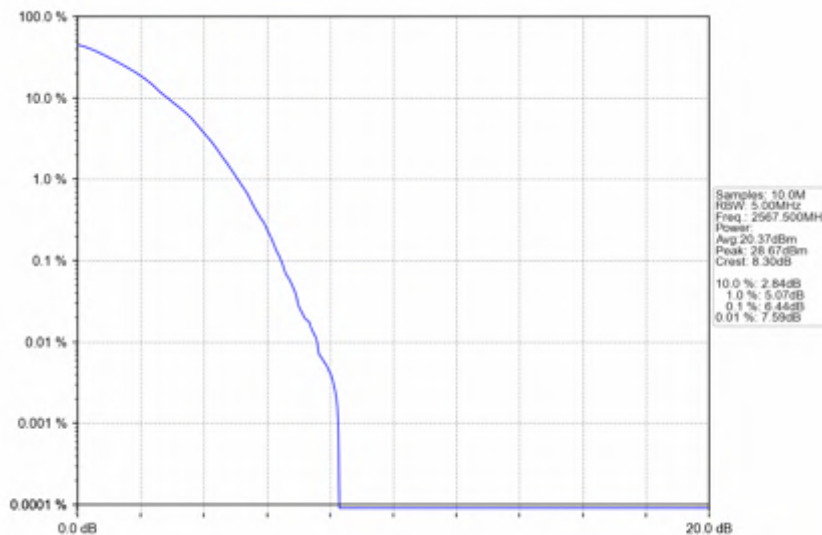
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 64 QAM_2567.5MHz_Outer_Full



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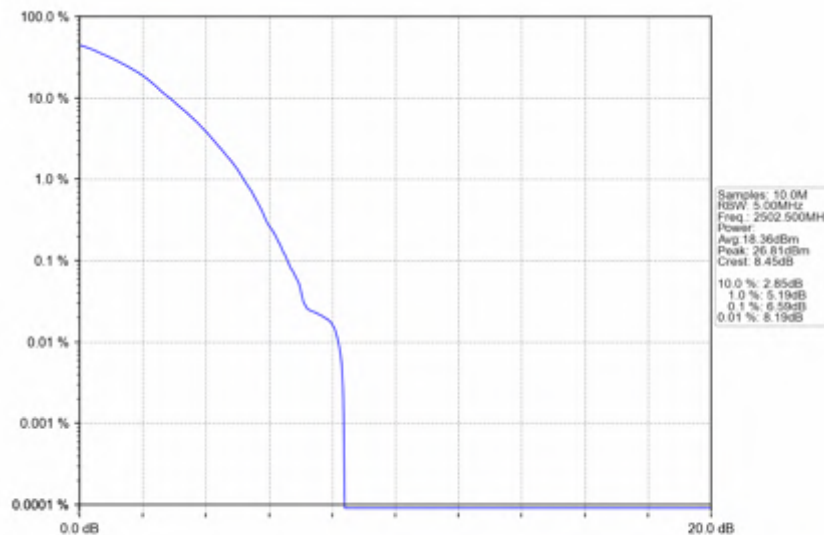
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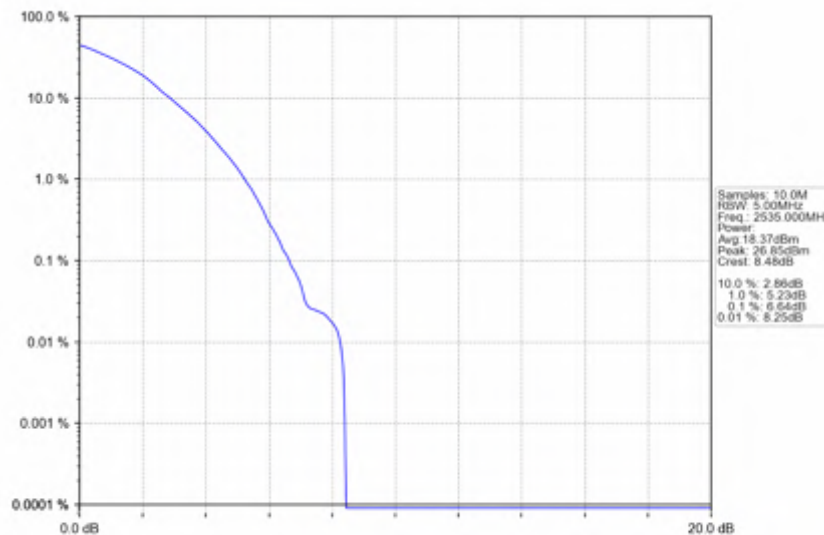
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n7_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_2502.5MHz_Outer_Full



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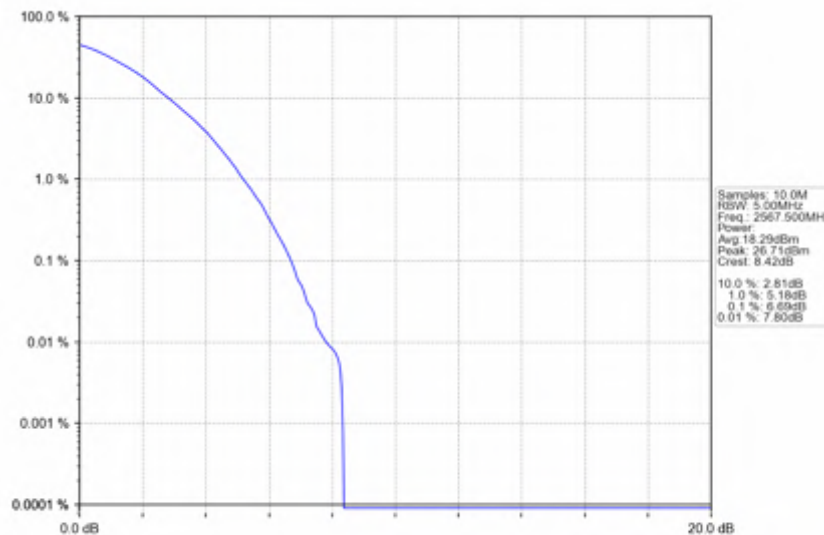
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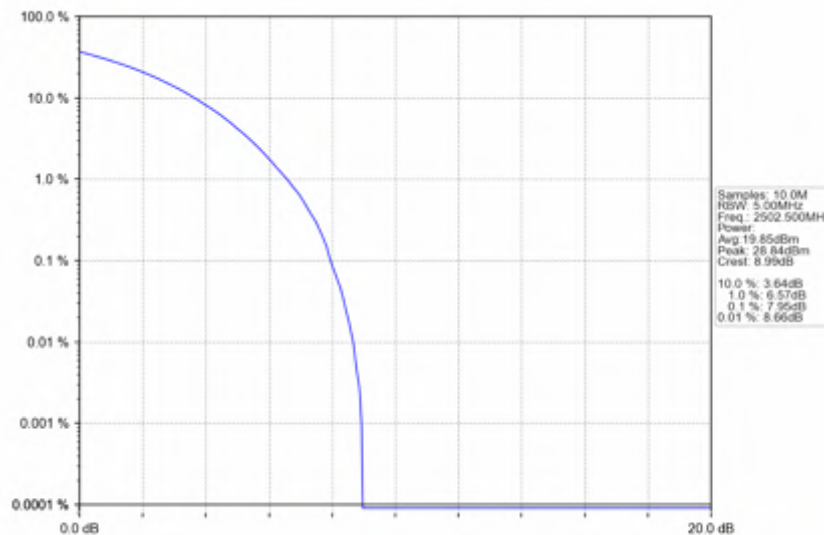
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n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_QPSK_2502.5MHz_Outer_Full



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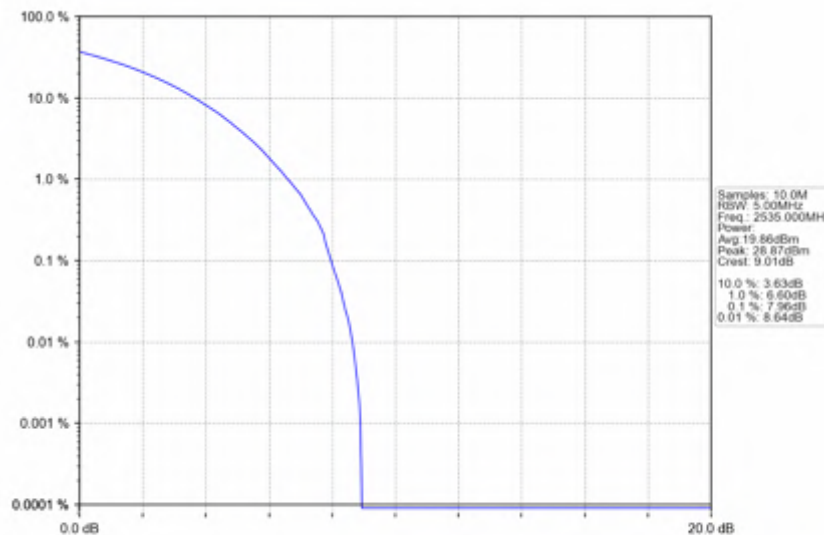
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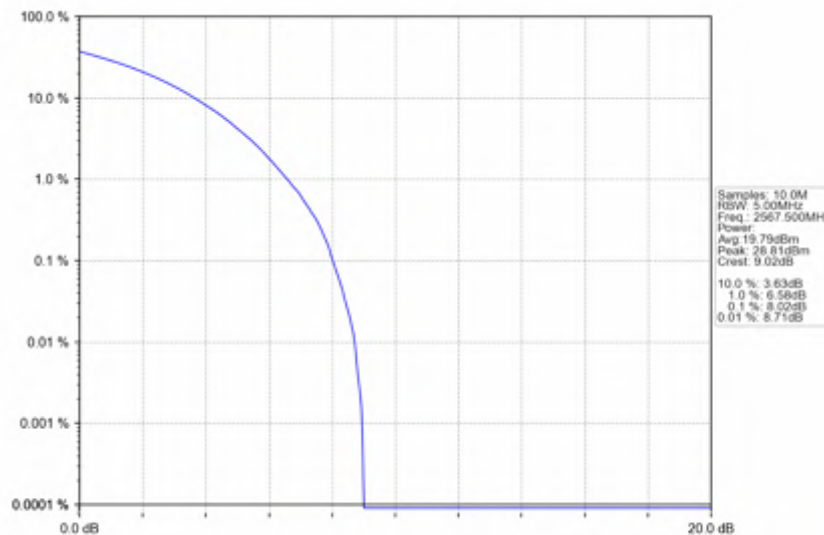
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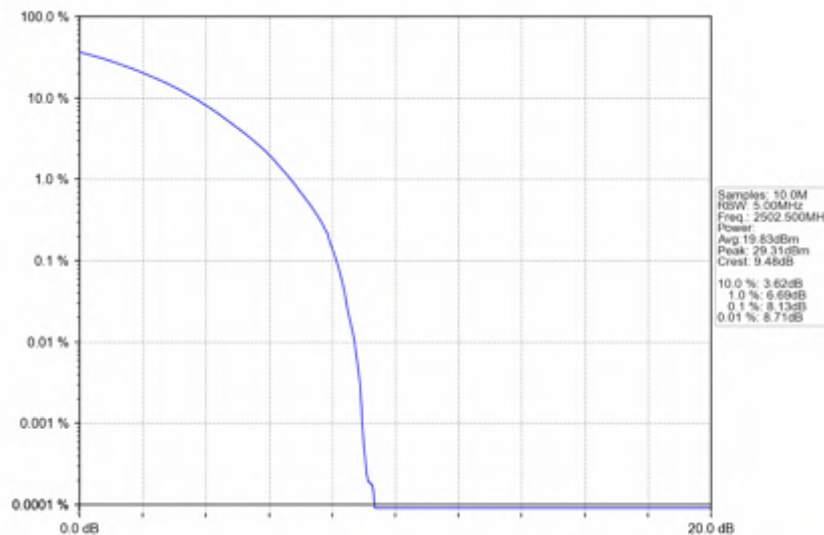


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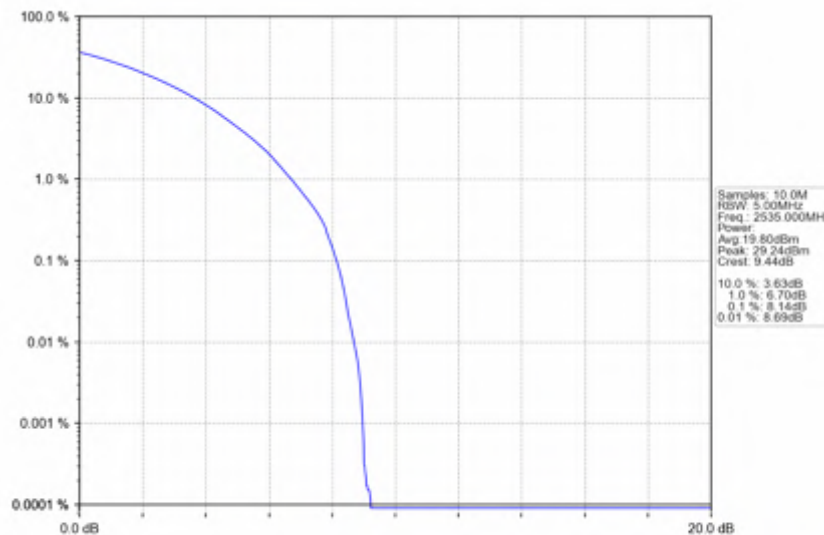
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n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_2535MHz_Outer_Full



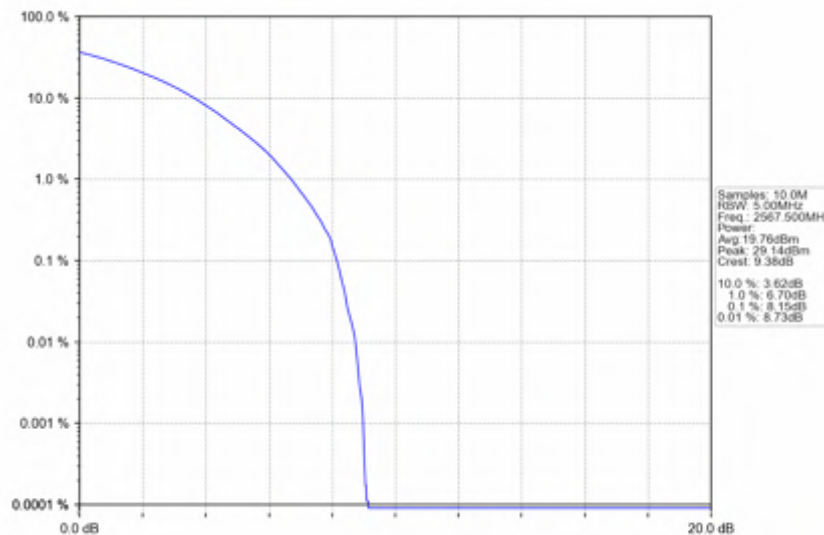
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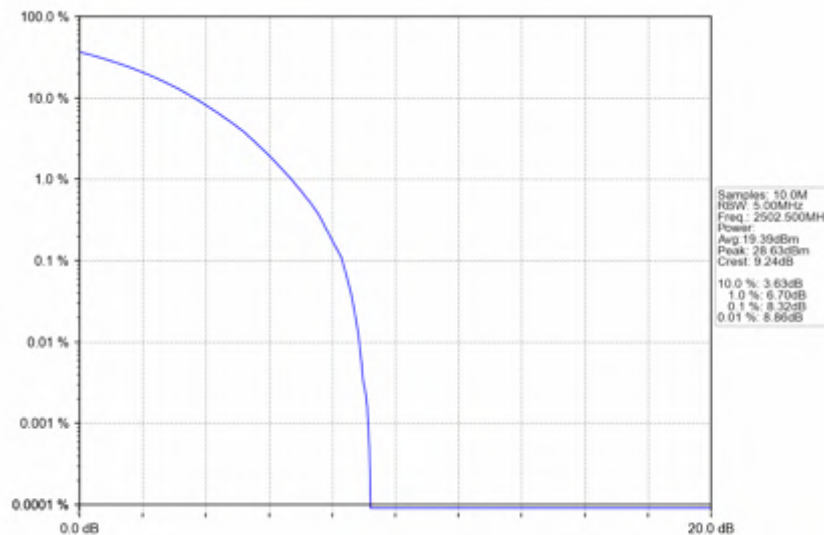
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n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_16 QAM_2567.5MHz_Outer_Full



n7_15kHz_SISO_NTNV_5MHz_CP-OFDM_64 QAM_2502.5MHz_Outer_Full



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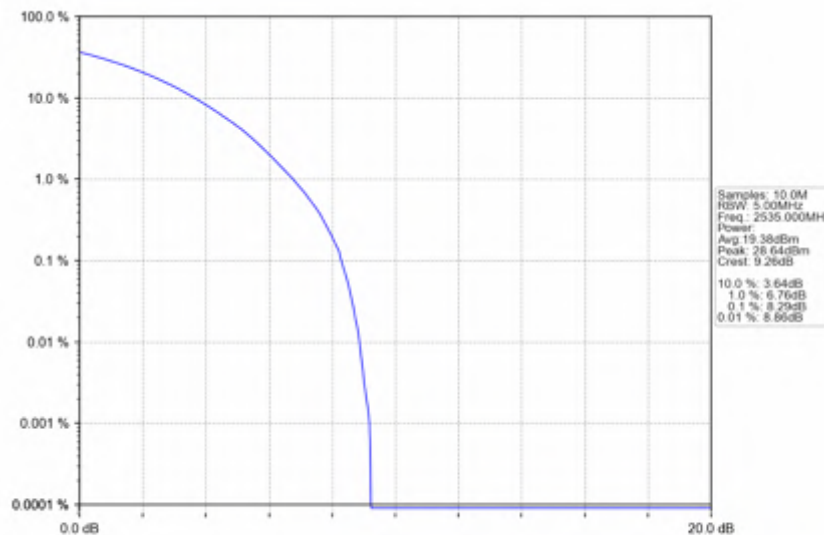
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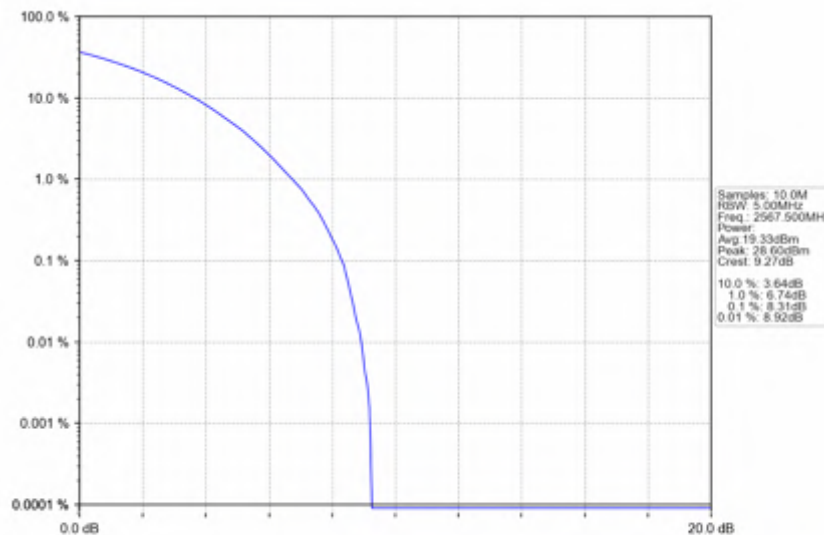
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n7_15kHz_SISO_NTNV_5MHz_CP-OFDM 64 QAM_2535MHz_Outer_Full



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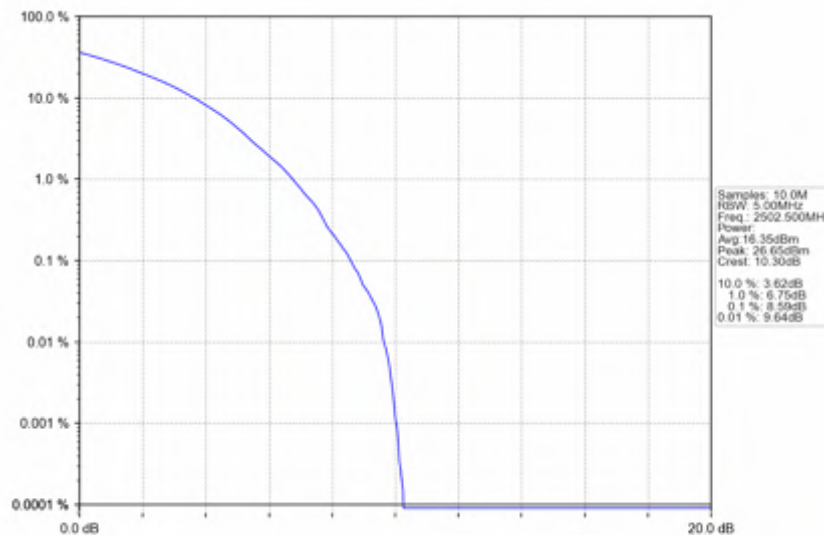
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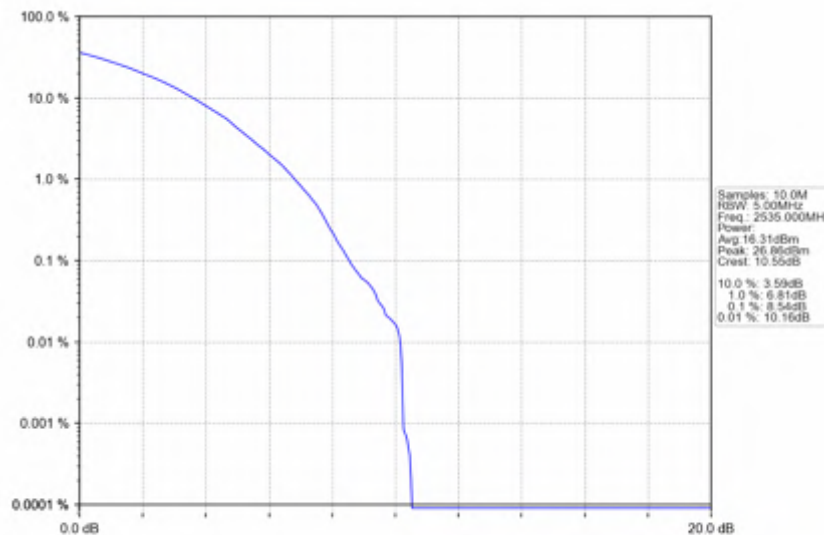
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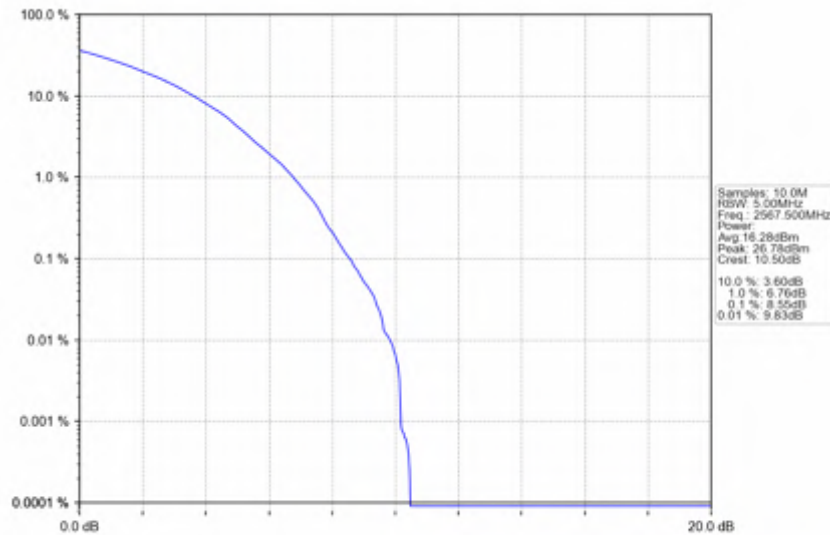
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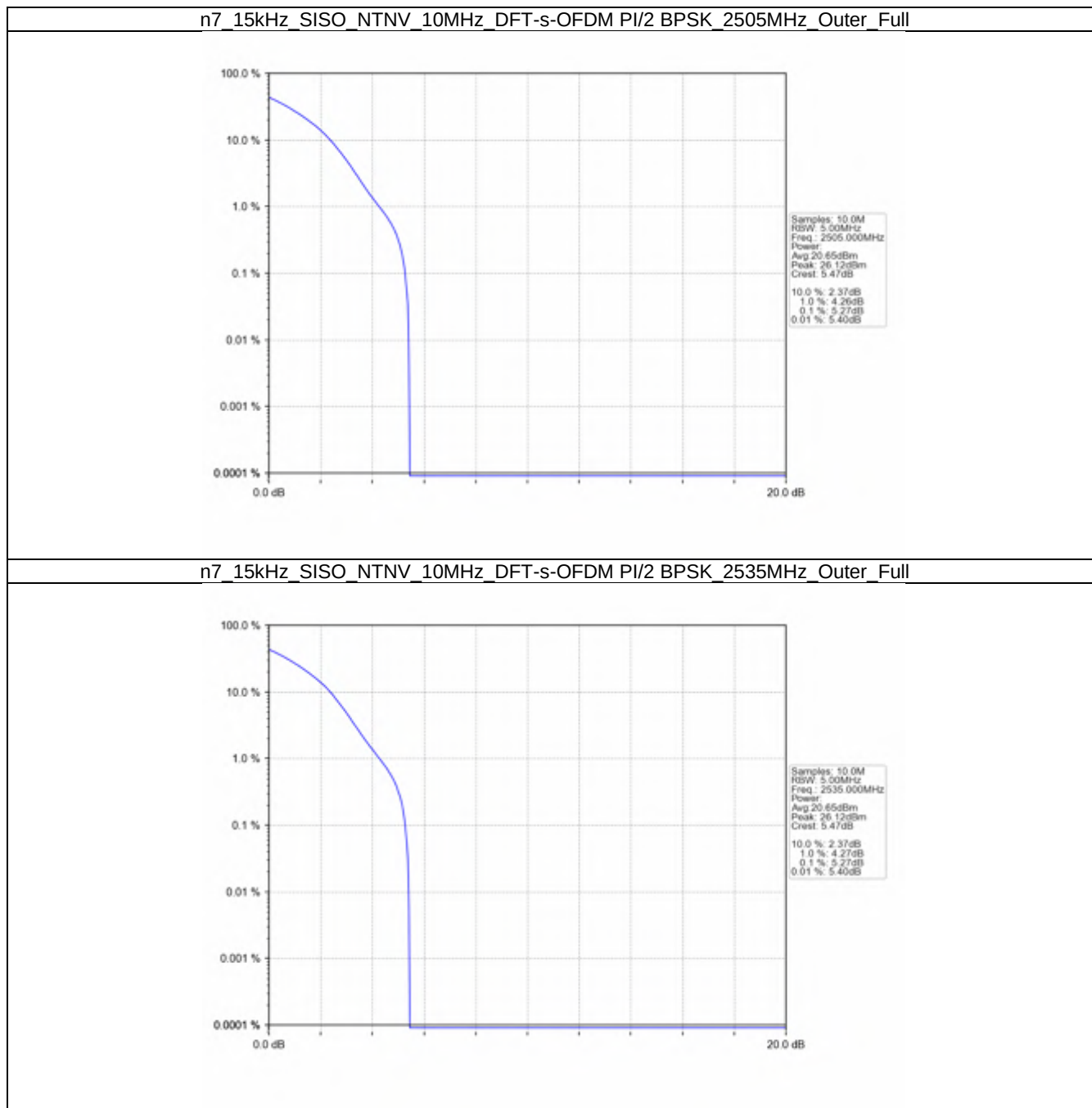
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3.2 15k_SISO_10MHz_NTNV

3.2.1 Test Result

5G NR n7 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2505	Outer_Full	5.27	/	/	<=13	Pass
	2535	Outer_Full	5.27	/	/	<=13	Pass
	2565	Outer_Full	5.29	/	/	<=13	Pass
DFT-s-OFDM QPSK	2505	Outer_Full	5.42	/	/	<=13	Pass
	2535	Outer_Full	5.43	/	/	<=13	Pass
	2565	Outer_Full	5.44	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2505	Outer_Full	6.56	/	/	<=13	Pass
	2535	Outer_Full	6.45	/	/	<=13	Pass
	2565	Outer_Full	6.56	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2505	Outer_Full	6.74	/	/	<=13	Pass
	2535	Outer_Full	6.70	/	/	<=13	Pass
	2565	Outer_Full	6.70	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2505	Outer_Full	6.97	/	/	<=13	Pass
	2535	Outer_Full	6.91	/	/	<=13	Pass
	2565	Outer_Full	6.86	/	/	<=13	Pass
CP-OFDM QPSK	2505	Outer_Full	8.18	/	/	<=13	Pass
	2535	Outer_Full	8.20	/	/	<=13	Pass
	2565	Outer_Full	8.21	/	/	<=13	Pass
CP-OFDM 16 QAM	2505	Outer_Full	8.40	/	/	<=13	Pass
	2535	Outer_Full	8.41	/	/	<=13	Pass
	2565	Outer_Full	8.42	/	/	<=13	Pass
CP-OFDM 64 QAM	2505	Outer_Full	8.41	/	/	<=13	Pass
	2535	Outer_Full	8.44	/	/	<=13	Pass
	2565	Outer_Full	8.41	/	/	<=13	Pass
CP-OFDM 256 QAM	2505	Outer_Full	8.50	/	/	<=13	Pass
	2535	Outer_Full	8.51	/	/	<=13	Pass
	2565	Outer_Full	8.49	/	/	<=13	Pass

3.2.2 Test Graph



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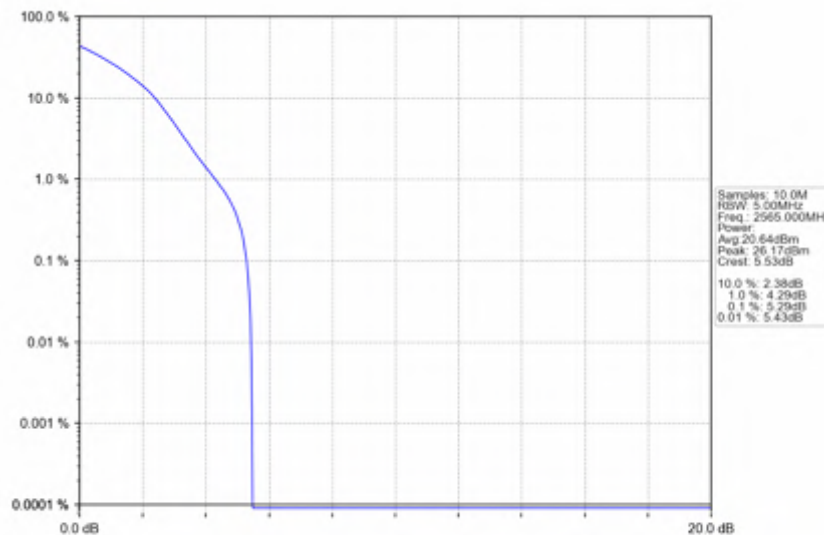
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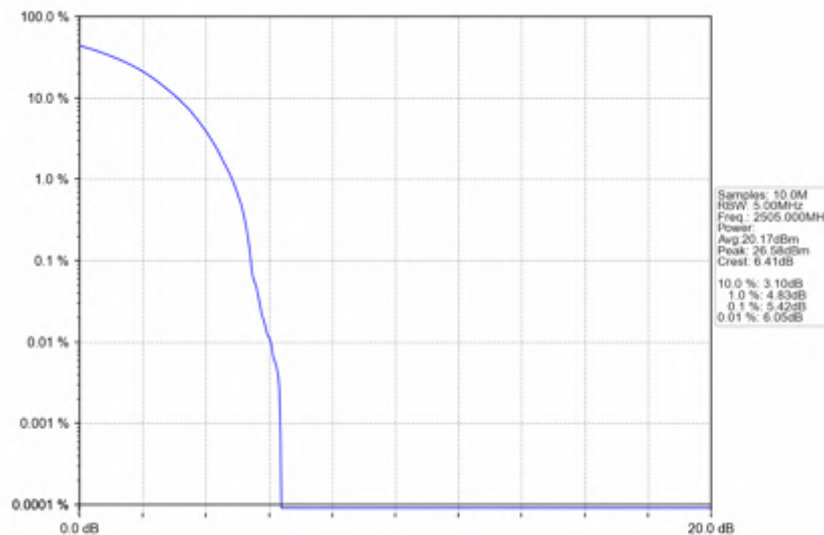
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n7_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2505MHz_Outer_Full



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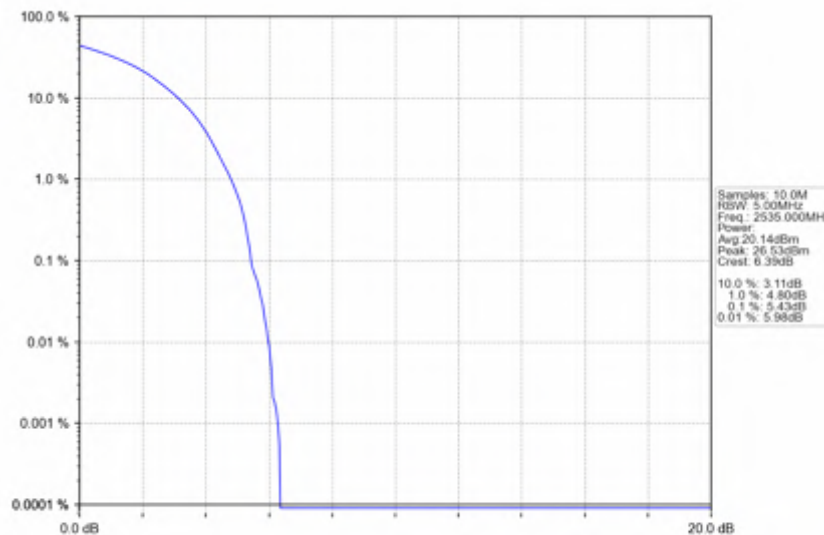
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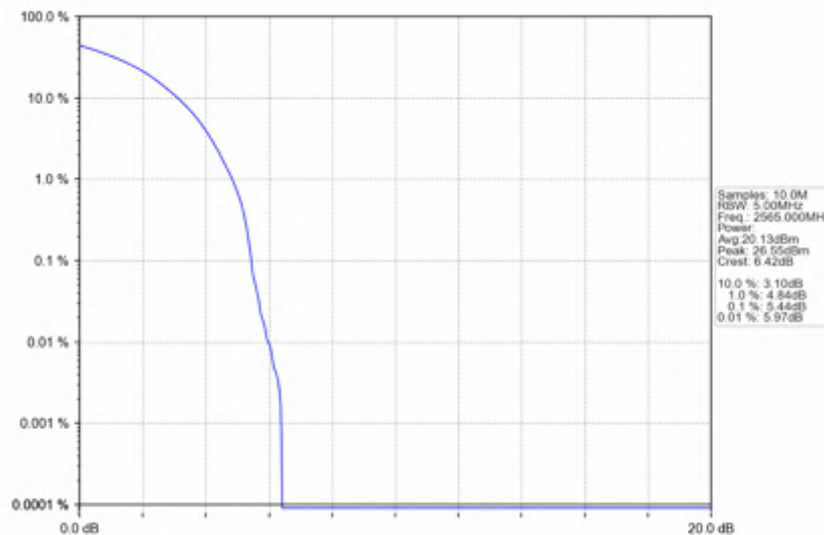
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n7 15kHz SISO NTNV 10MHz DFT-s-OFDM QPSK 2565MHz Outer Full

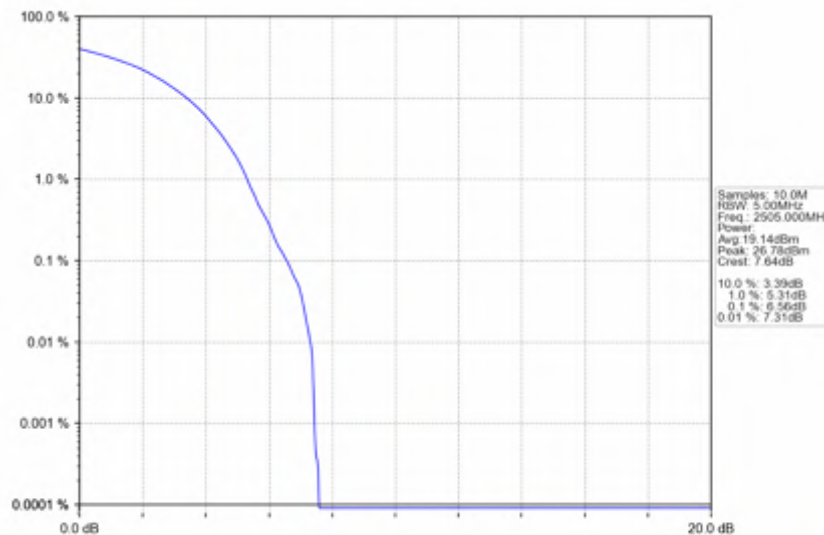


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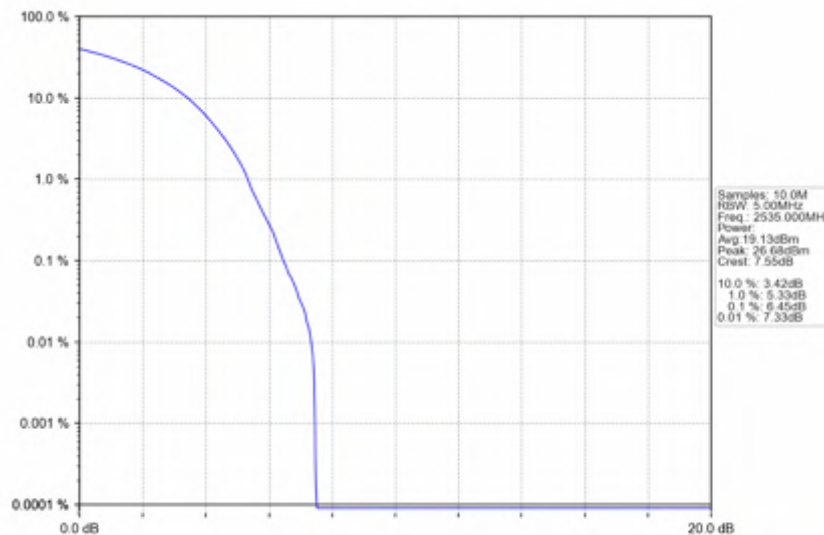
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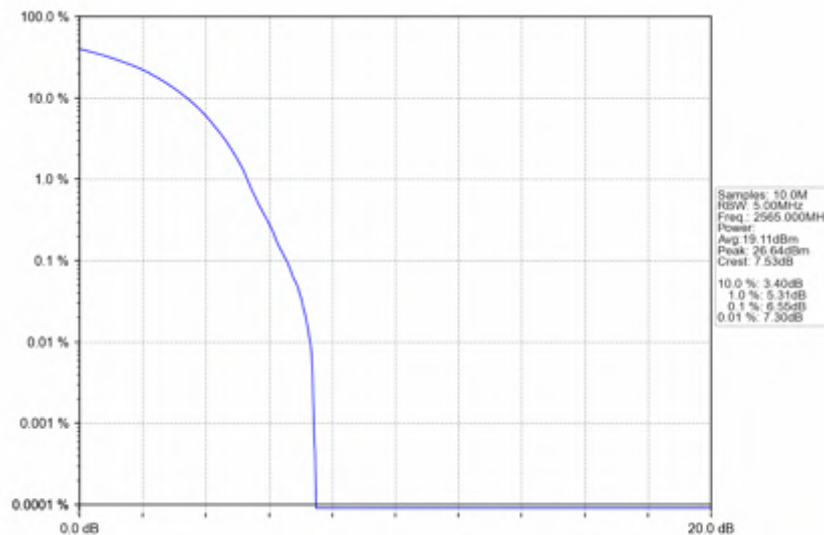
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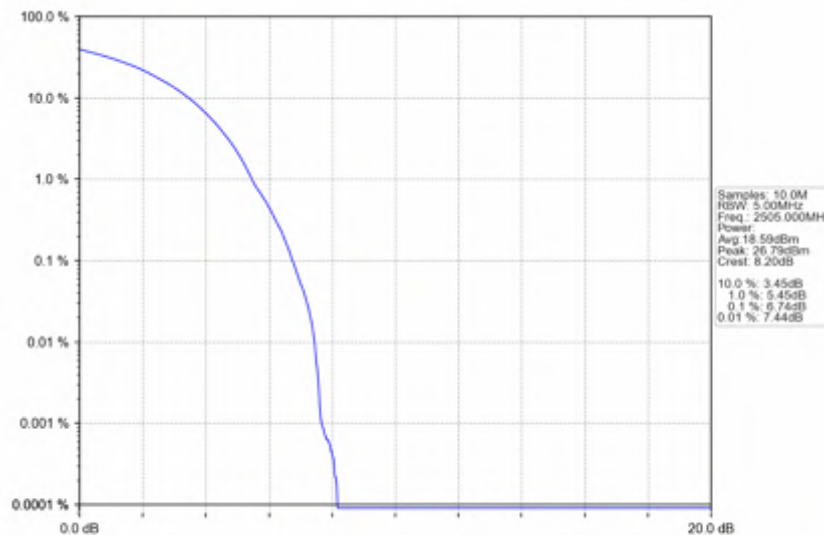
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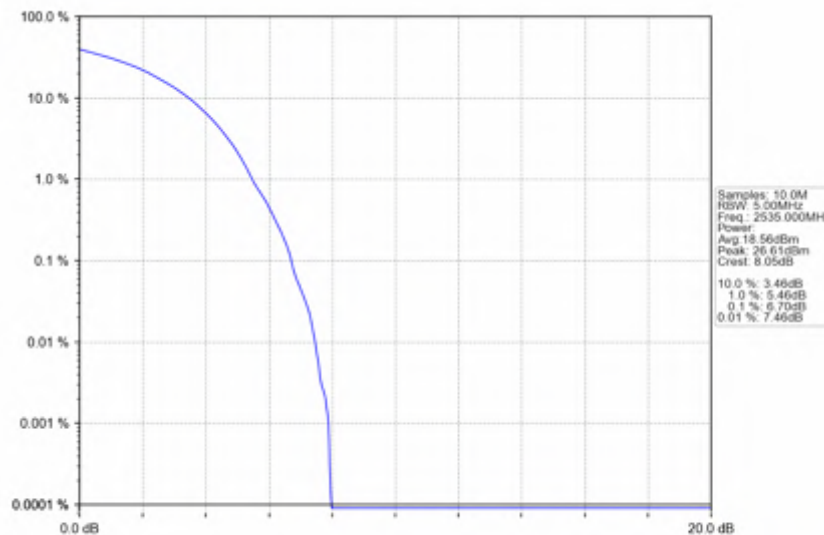


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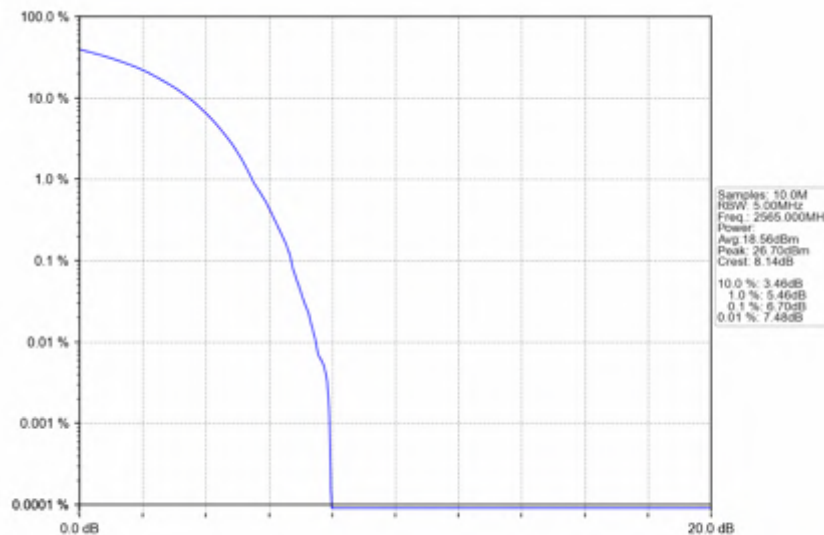
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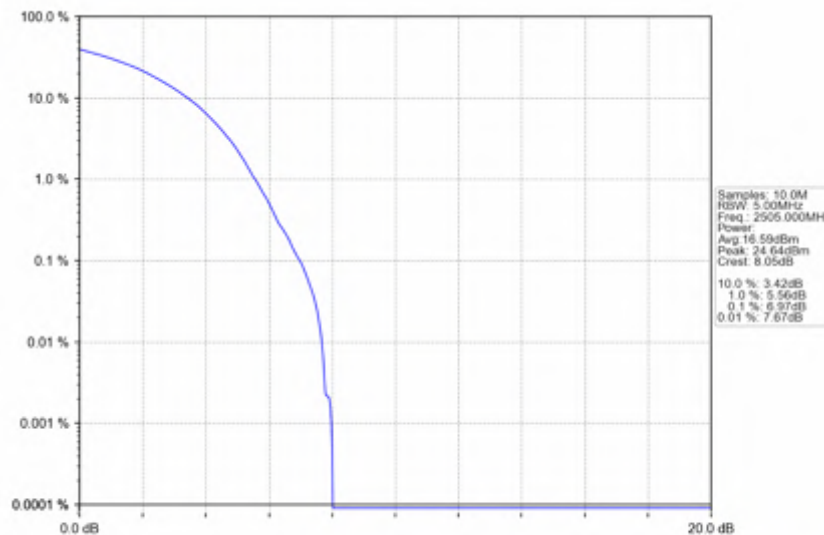
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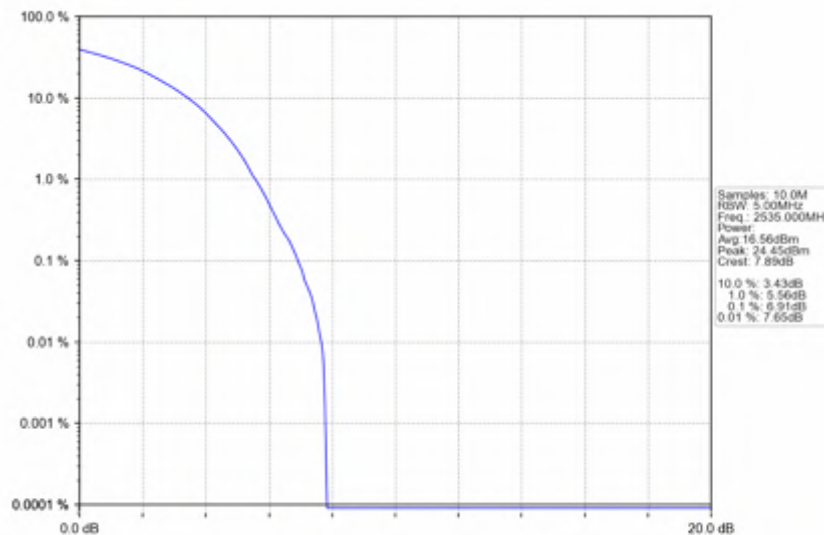
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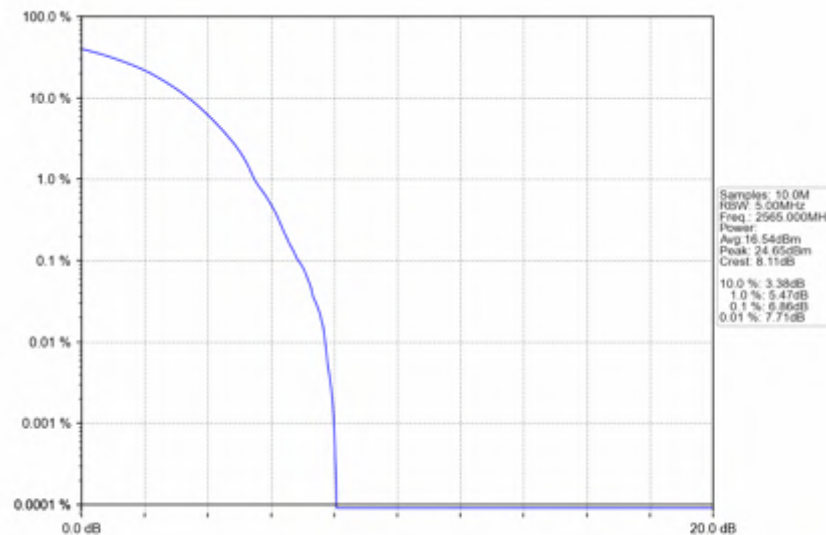


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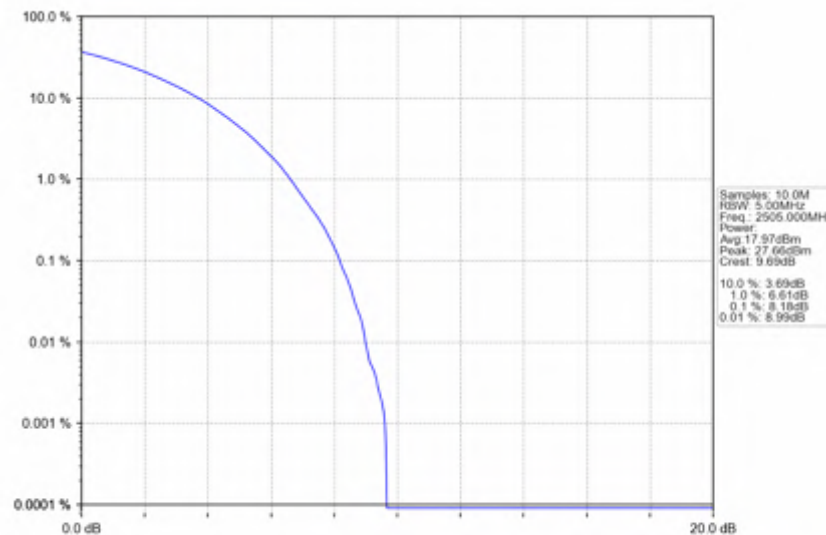
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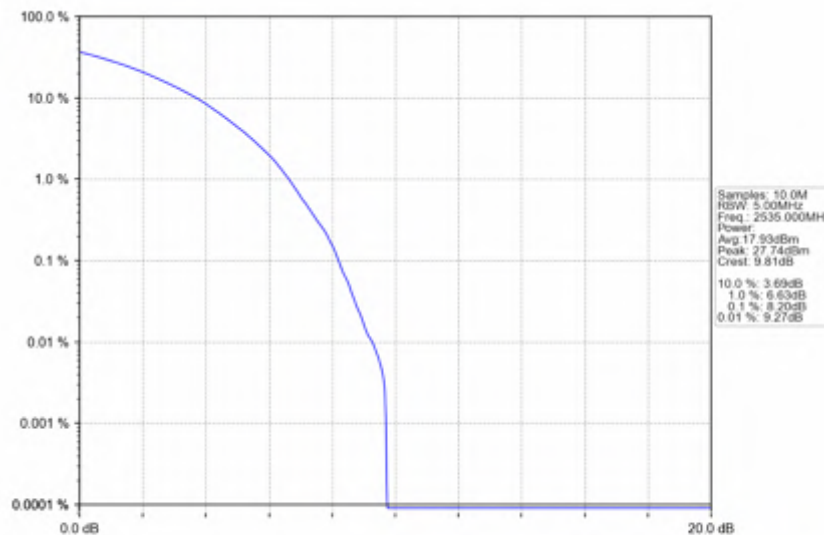


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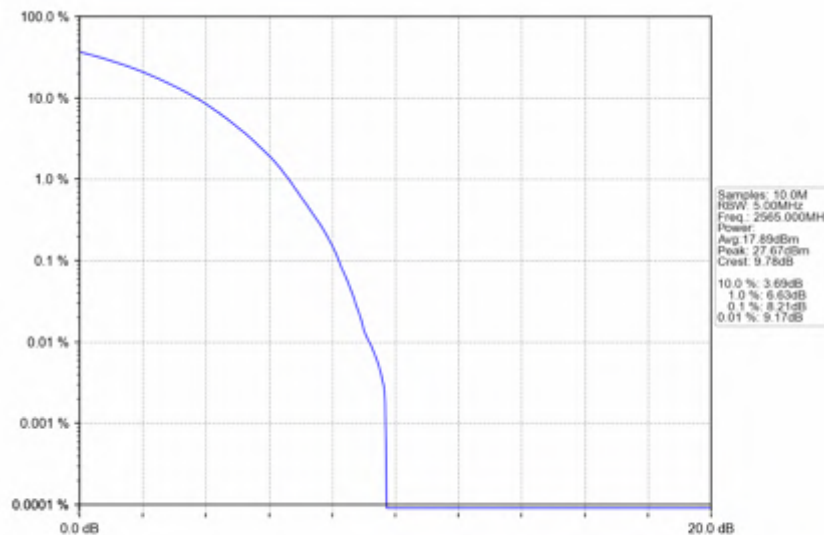
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n7_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2535MHz_Outer_Full



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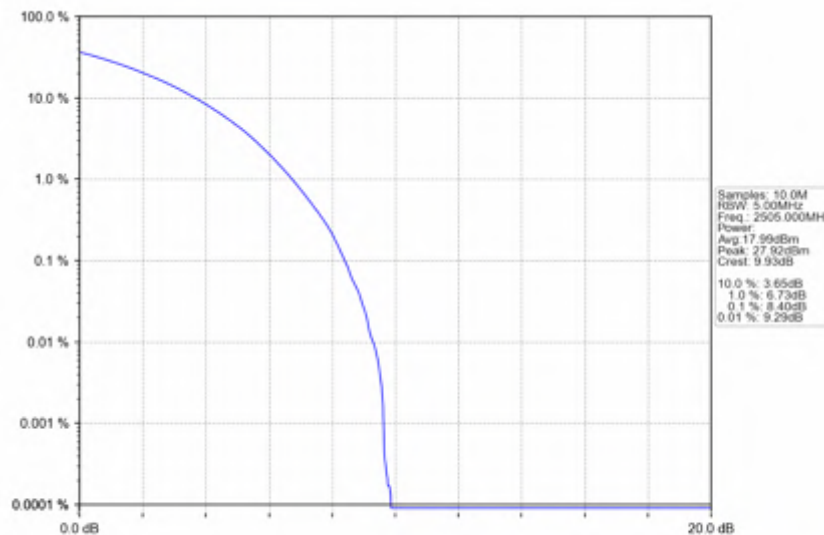


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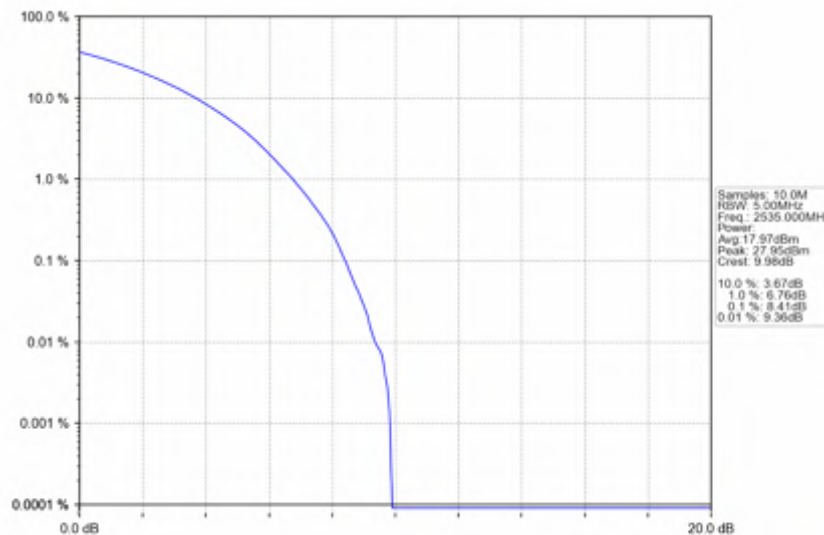
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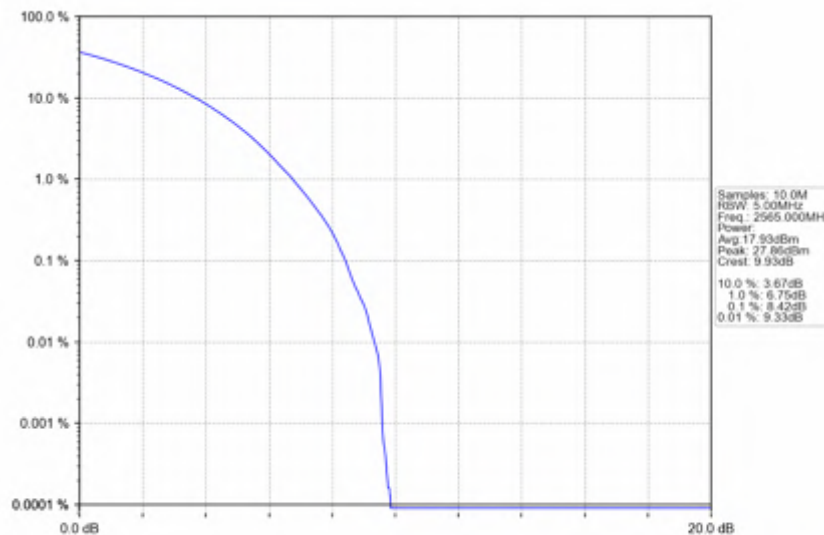


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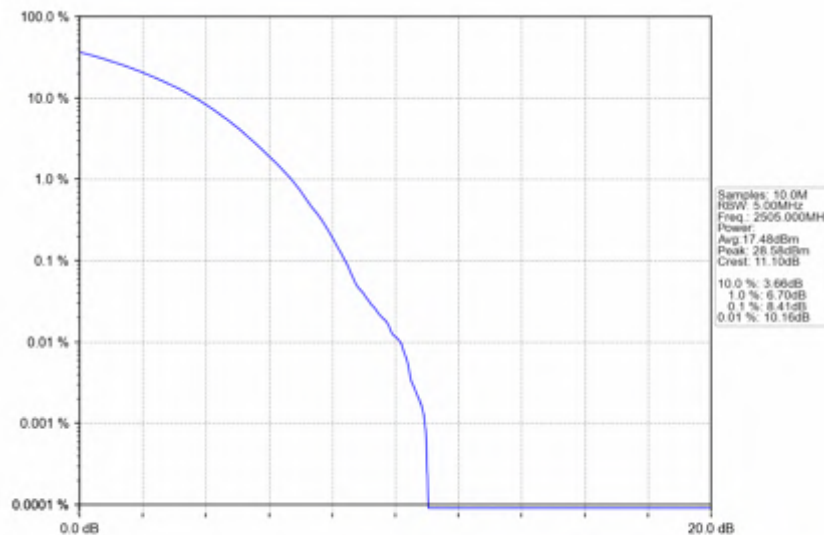
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n7_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_2565MHz_Outer_Full



n7_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_2505MHz_Outer_Full



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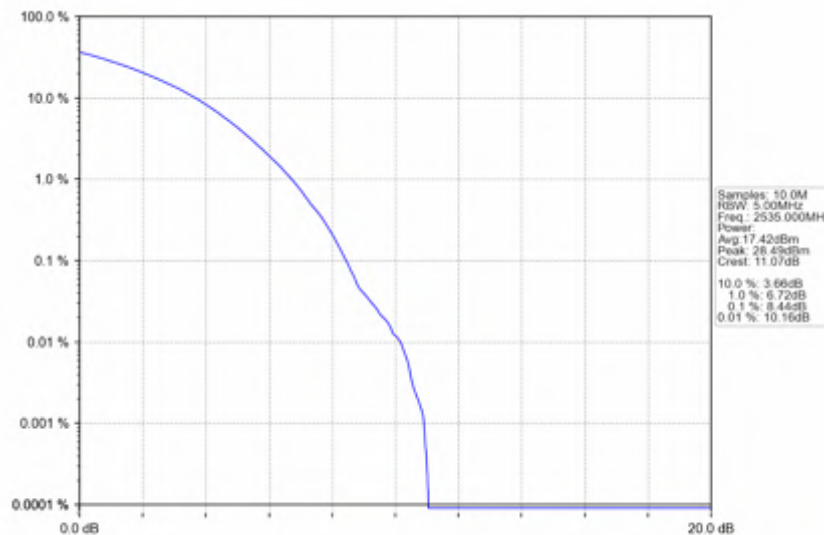
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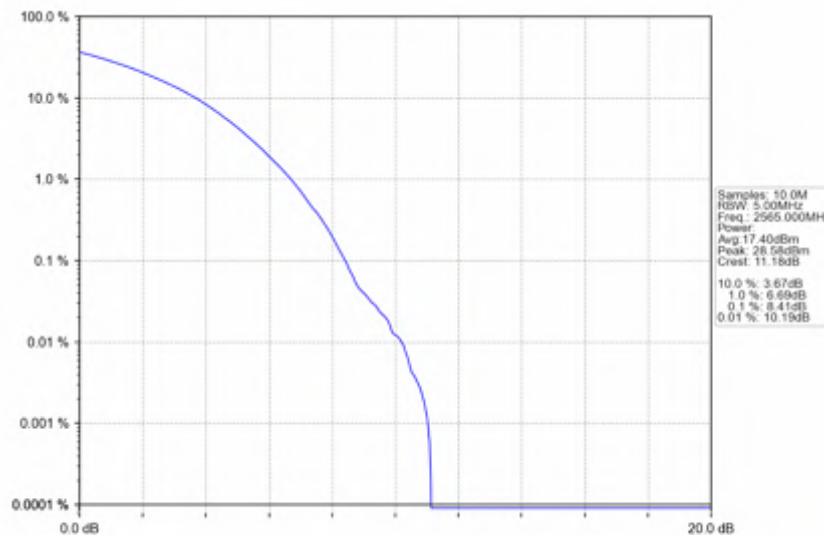
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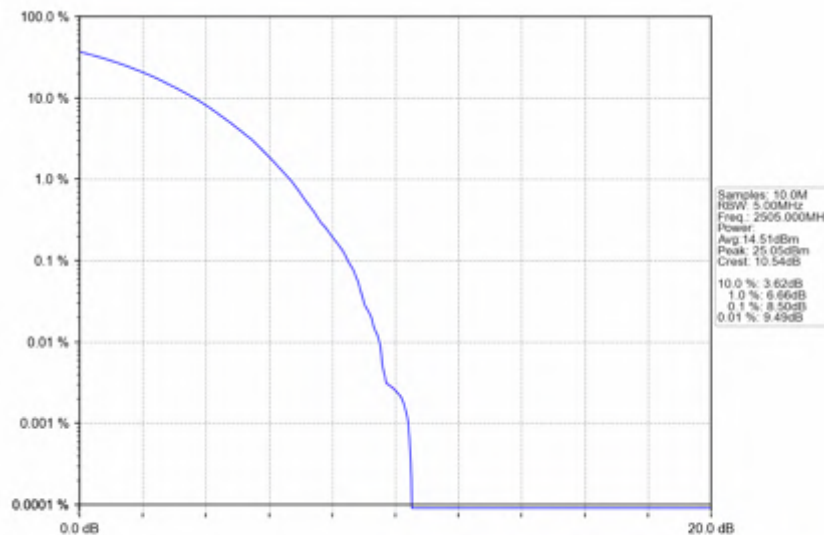


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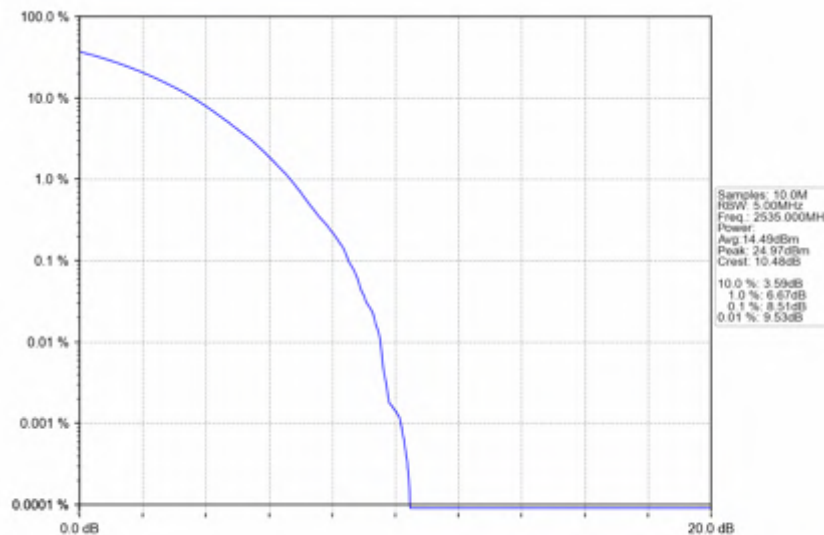
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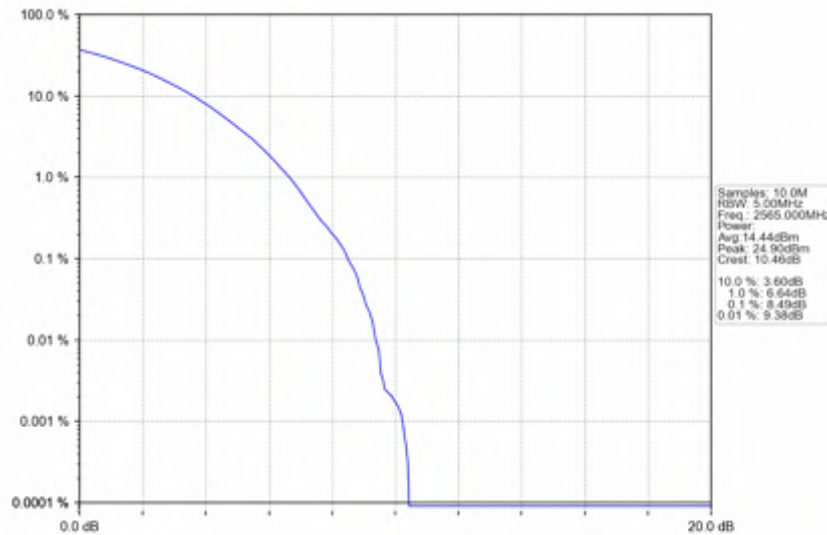


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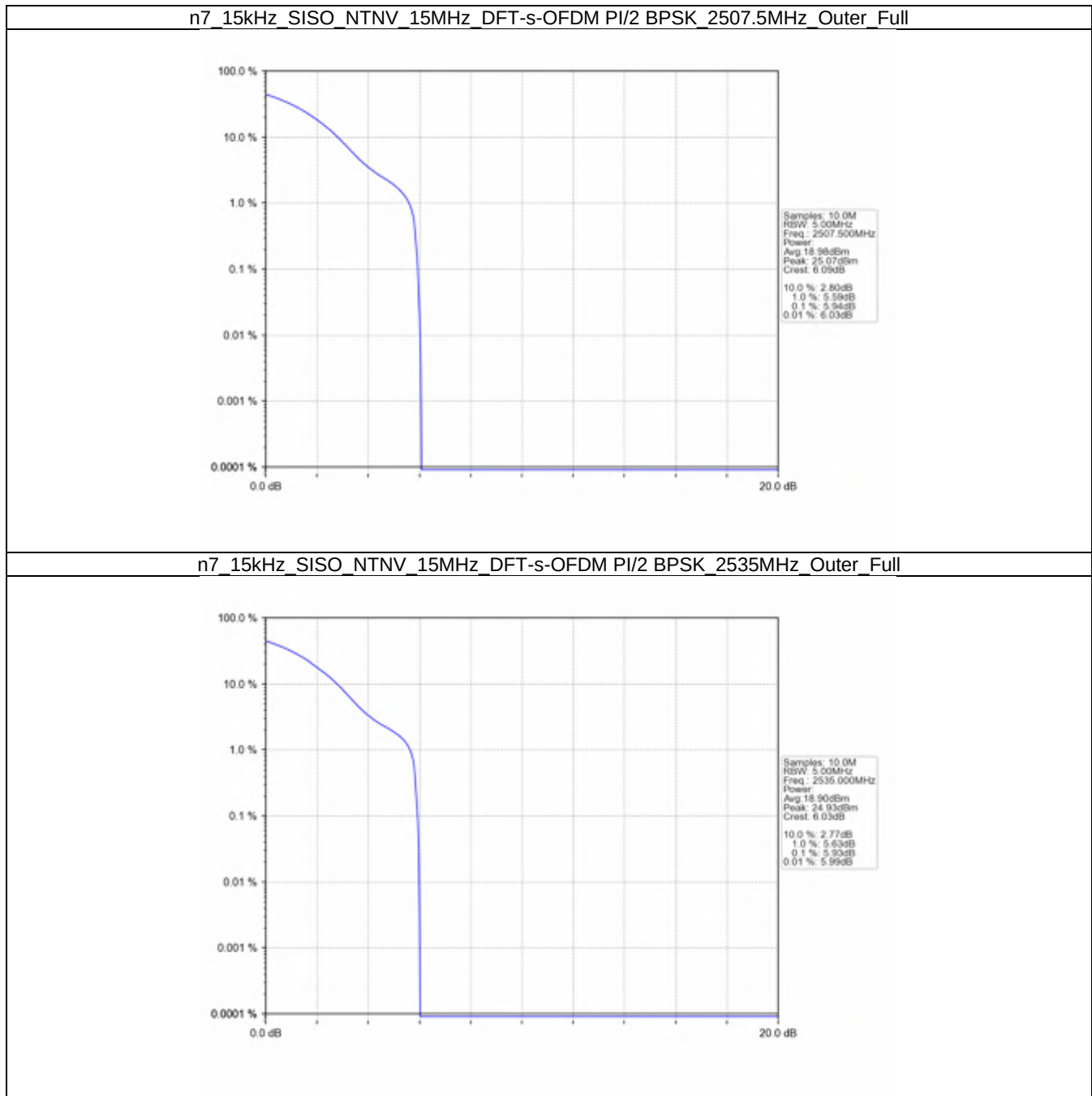
3.3 15k_SISO_15MHz_NTNV

3.3.1 Test Result

5G NR n7 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2507.5	Outer_Full	5.94	/	/	<=13	Pass
	2535	Outer_Full	5.93	/	/	<=13	Pass
	2562.5	Outer_Full	5.95	/	/	<=13	Pass
DFT-s-OFDM QPSK	2507.5	Outer_Full	6.27	/	/	<=13	Pass
	2535	Outer_Full	6.10	/	/	<=13	Pass
	2562.5	Outer_Full	6.11	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2507.5	Outer_Full	6.93	/	/	<=13	Pass
	2535	Outer_Full	7.05	/	/	<=13	Pass
	2562.5	Outer_Full	6.86	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2507.5	Outer_Full	6.94	/	/	<=13	Pass
	2535	Outer_Full	6.97	/	/	<=13	Pass
	2562.5	Outer_Full	6.92	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2507.5	Outer_Full	7.20	/	/	<=13	Pass
	2535	Outer_Full	7.45	/	/	<=13	Pass
	2562.5	Outer_Full	7.62	/	/	<=13	Pass
CP-OFDM QPSK	2507.5	Outer_Full	8.38	/	/	<=13	Pass
	2535	Outer_Full	8.47	/	/	<=13	Pass
	2562.5	Outer_Full	8.45	/	/	<=13	Pass
CP-OFDM 16 QAM	2507.5	Outer_Full	8.58	/	/	<=13	Pass
	2535	Outer_Full	8.65	/	/	<=13	Pass
	2562.5	Outer_Full	8.62	/	/	<=13	Pass
CP-OFDM 64 QAM	2507.5	Outer_Full	8.43	/	/	<=13	Pass
	2535	Outer_Full	8.42	/	/	<=13	Pass
	2562.5	Outer_Full	8.42	/	/	<=13	Pass
CP-OFDM 256 QAM	2507.5	Outer_Full	8.55	/	/	<=13	Pass
	2535	Outer_Full	8.61	/	/	<=13	Pass
	2562.5	Outer_Full	8.59	/	/	<=13	Pass



3.3.2 Test Graph



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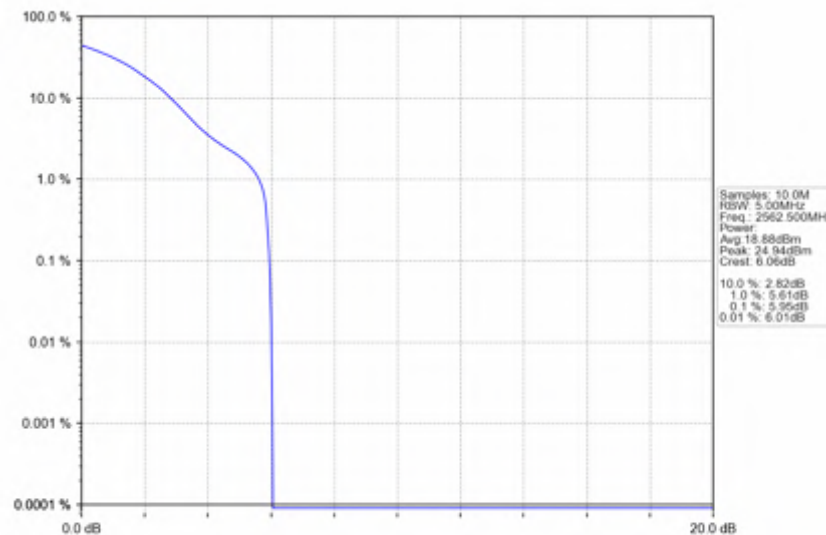
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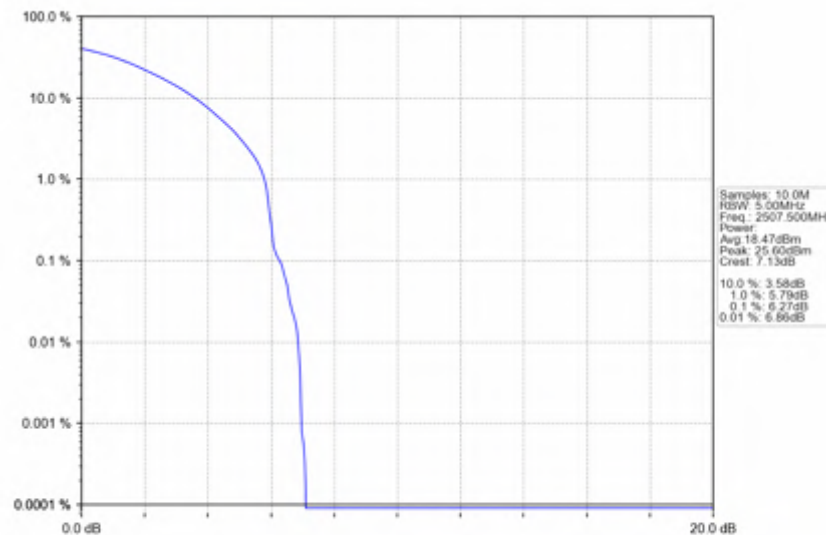
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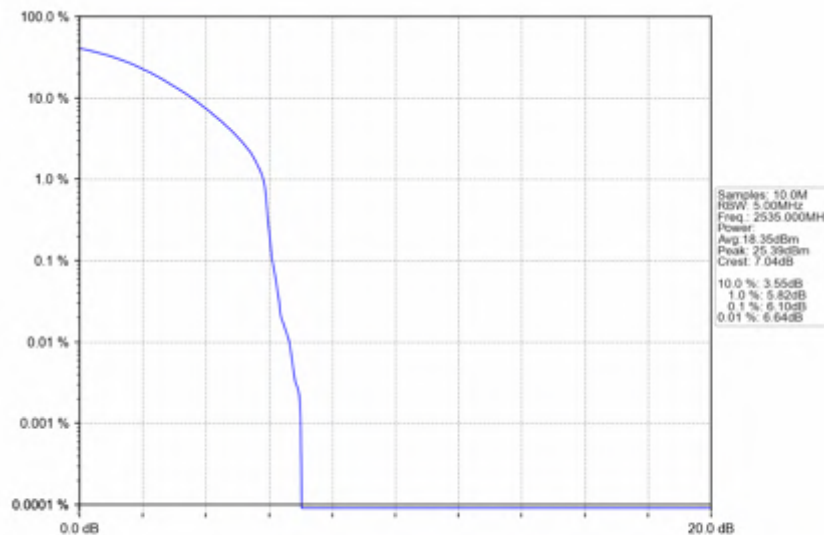
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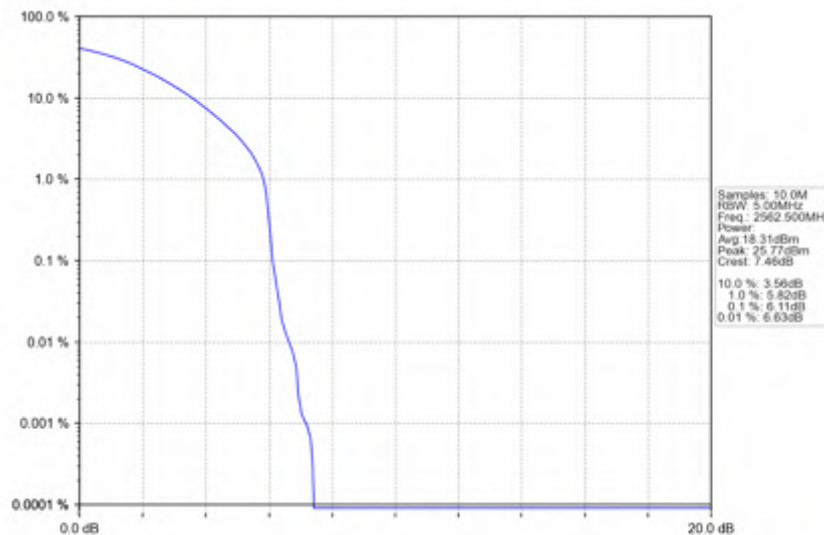
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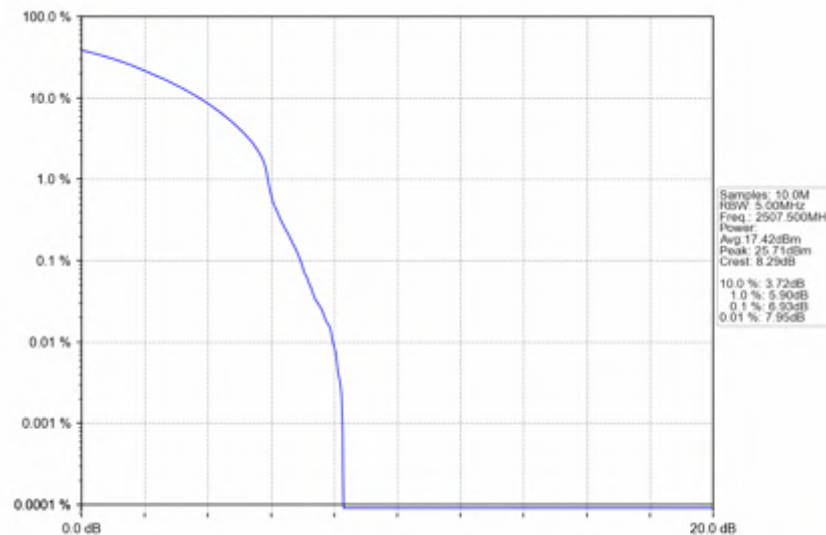


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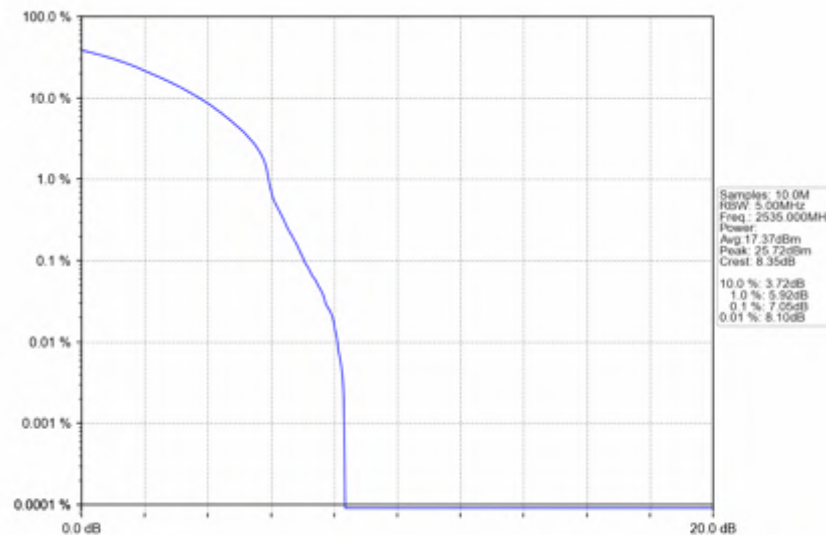
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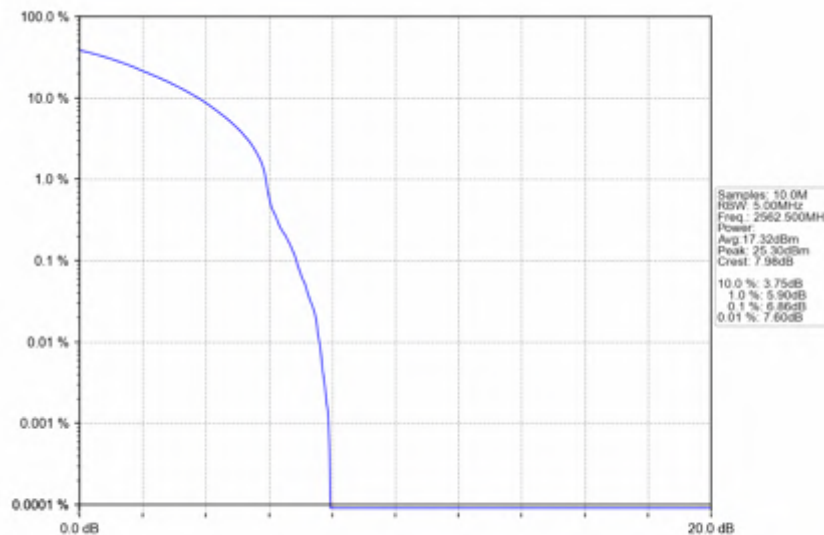


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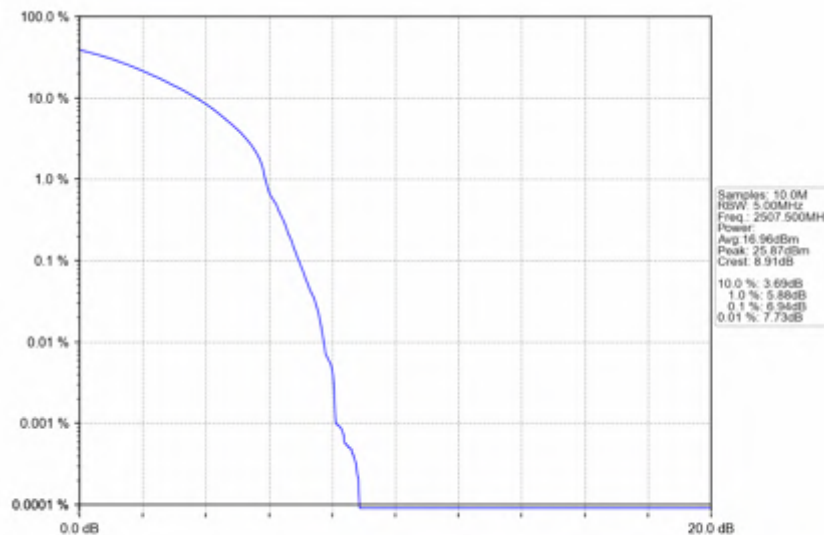
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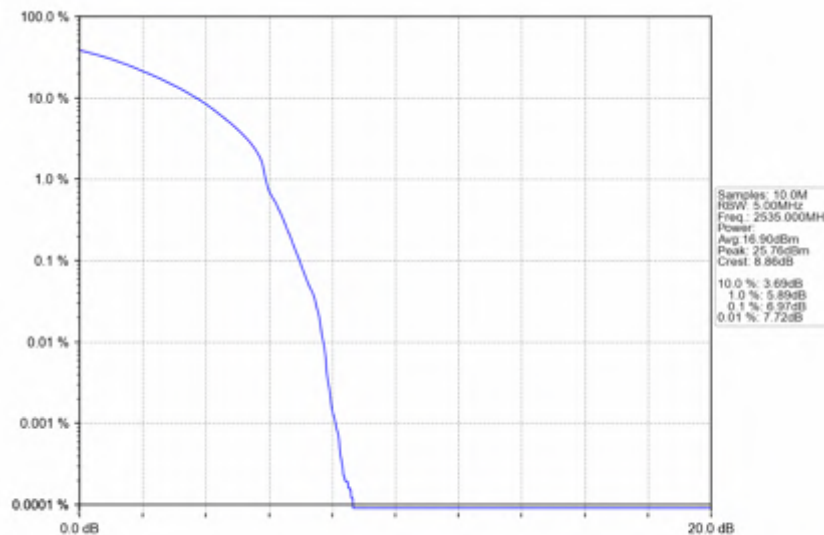


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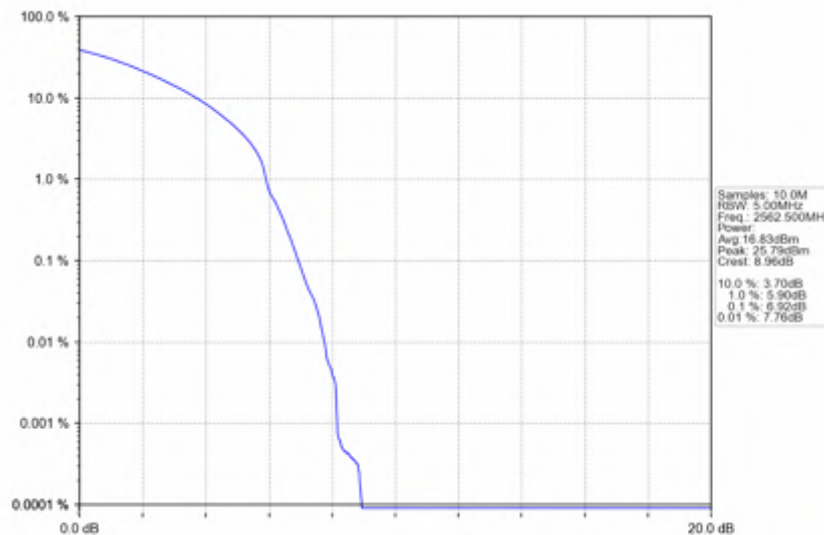
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n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_2535MHz_Outer_Full



n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_2562.5MHz_Outer_Full

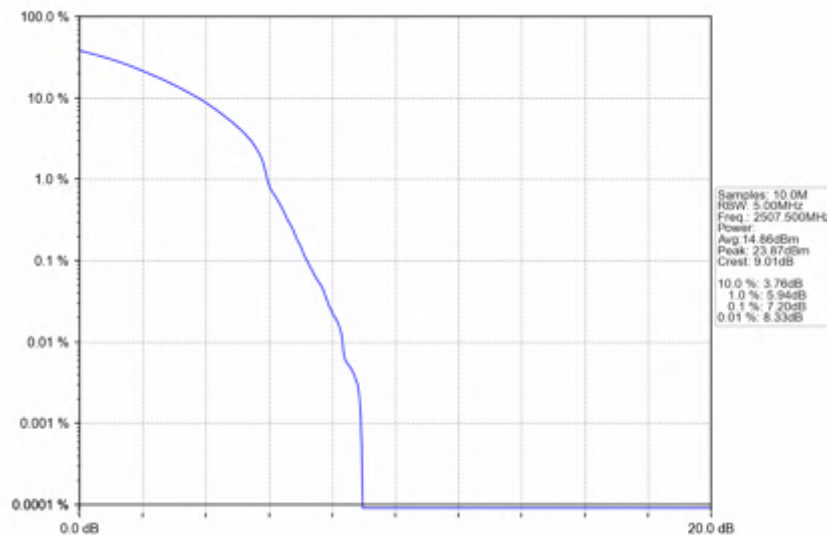


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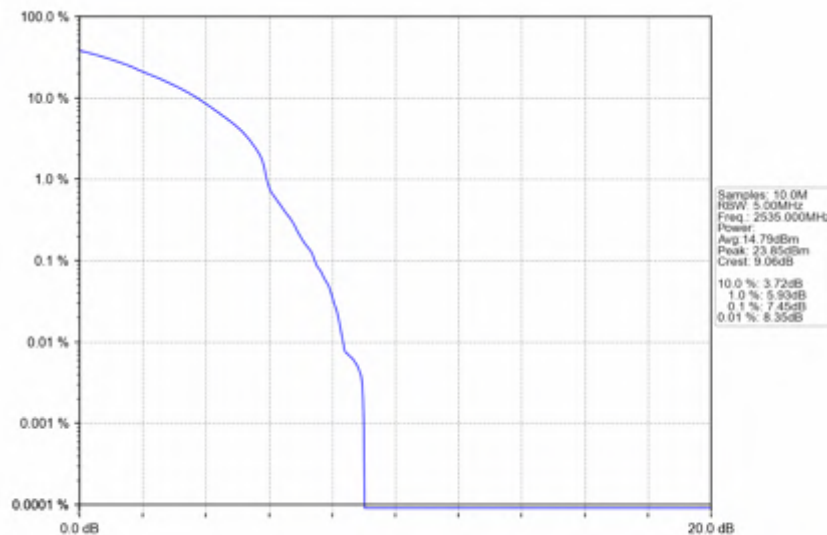
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n7_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_2507.5MHz_Outer_Full



n7	15kHz	SISO	NTNV	15MHz	DFT-s-OFDM	256 QAM	2535MHz	Outer	Full
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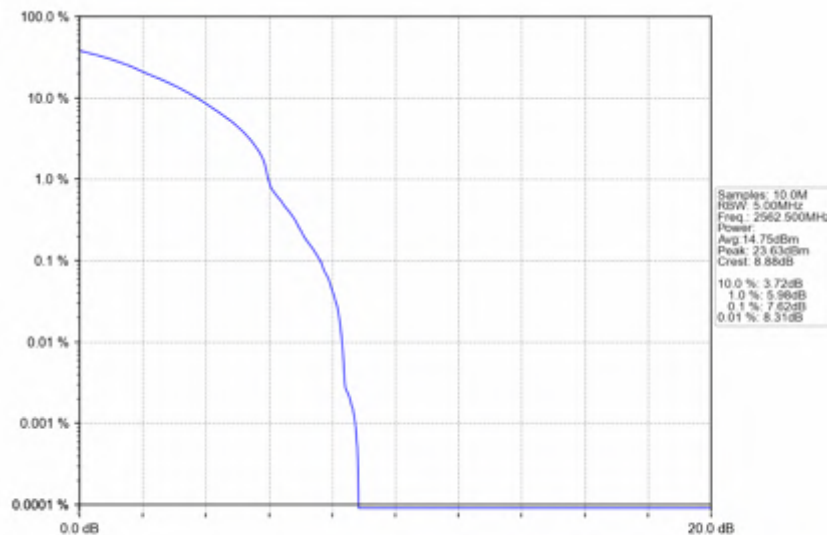


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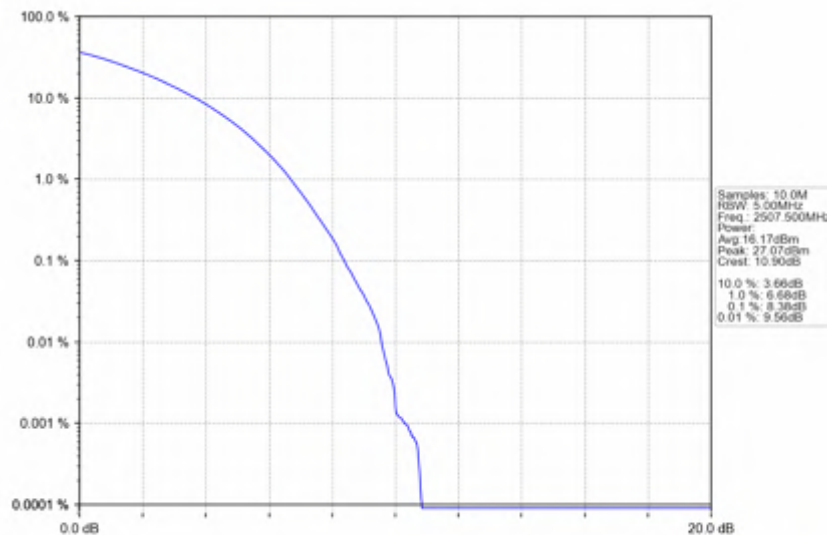
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n7_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_2507.5MHz_Outer_Full

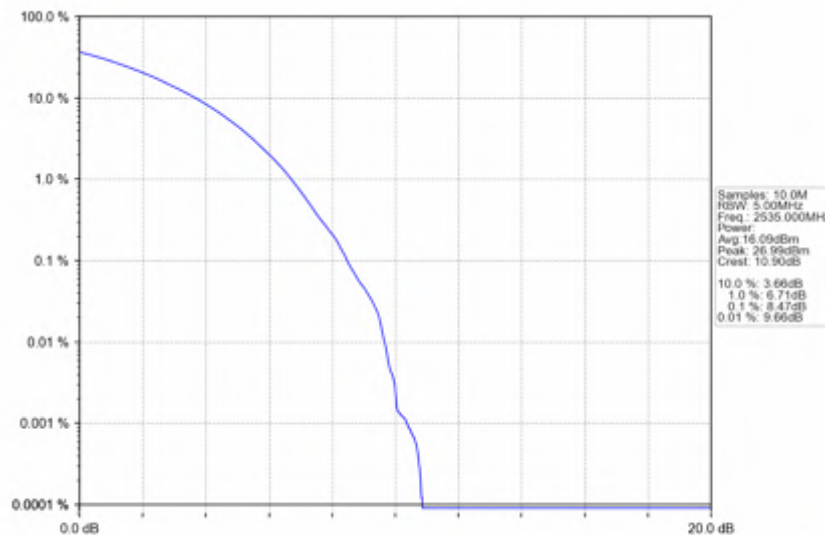


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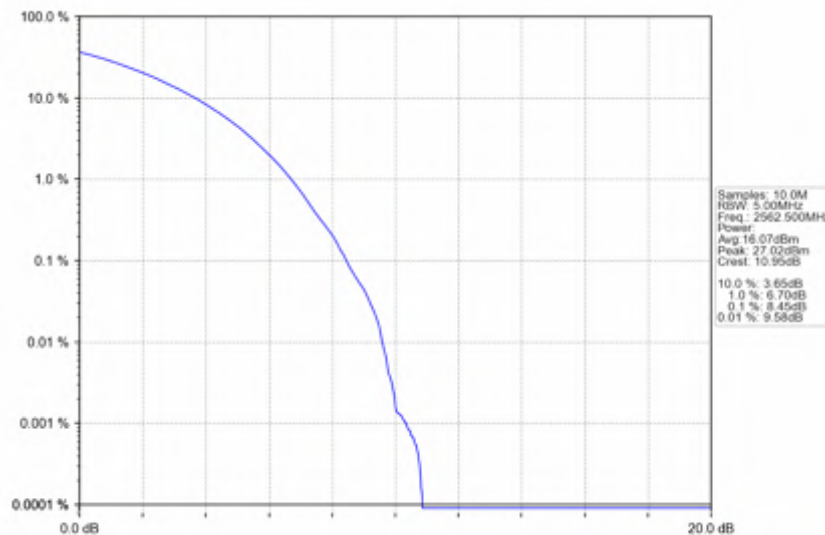
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n7_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_2535MHz_Outer_Full



n7_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_2562.5MHz_Outer_Full



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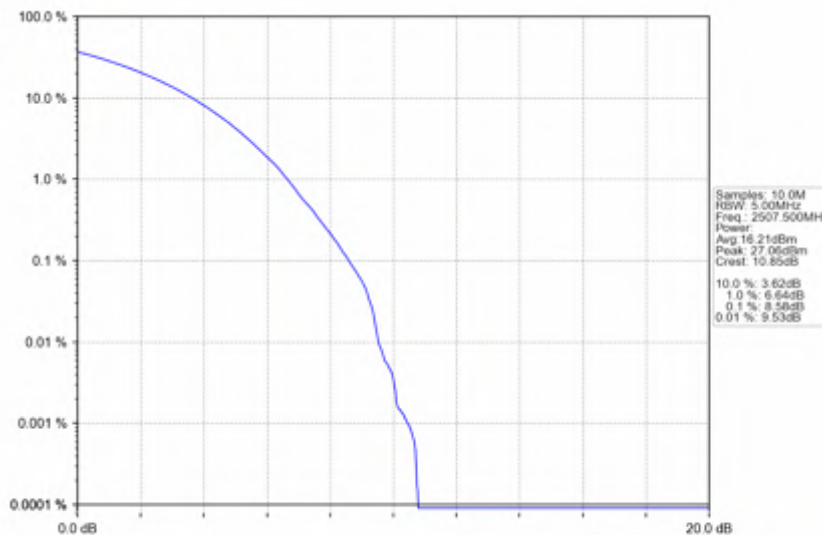
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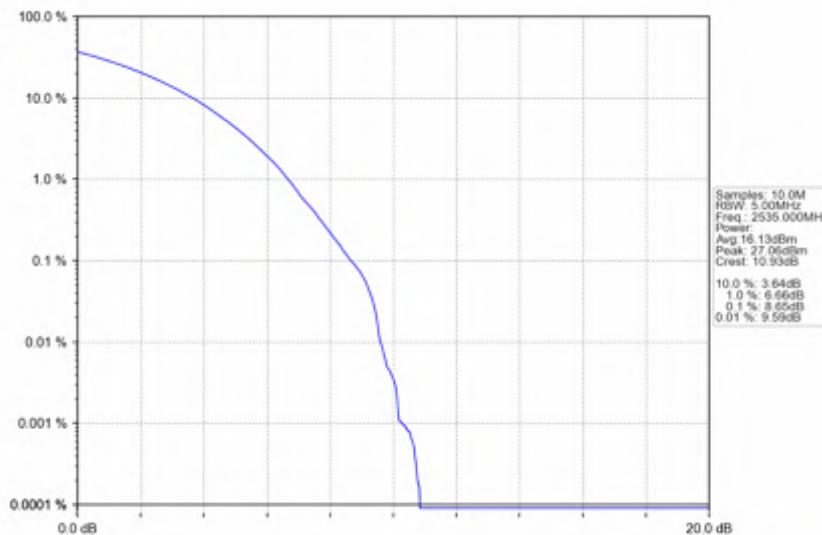
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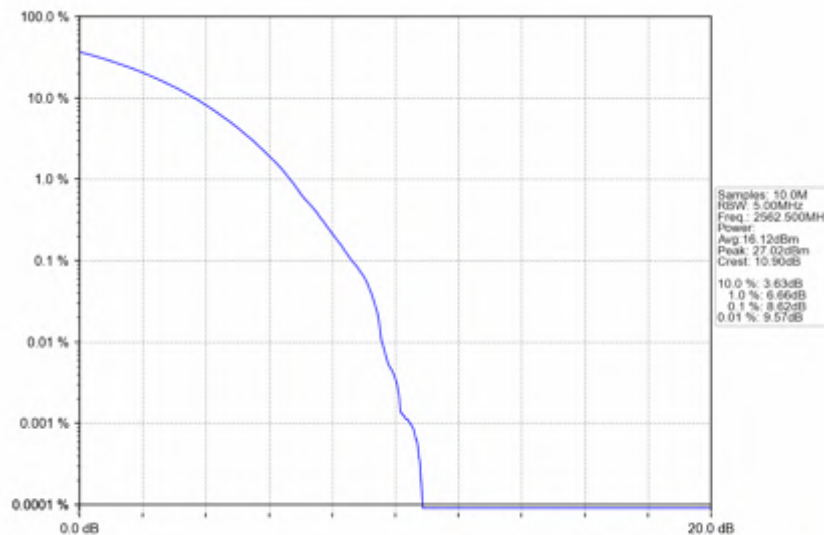


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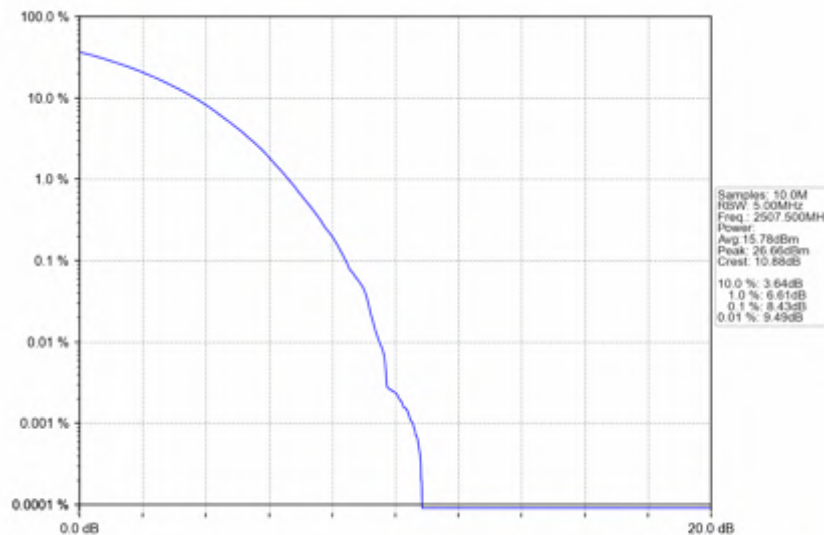
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n7_15kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_2562.5MHz_Outer_Full



n7_15kHz_SISO_NTNV_15MHz_CP-OFDM_64_QAM_2507.5MHz_Outer_Full

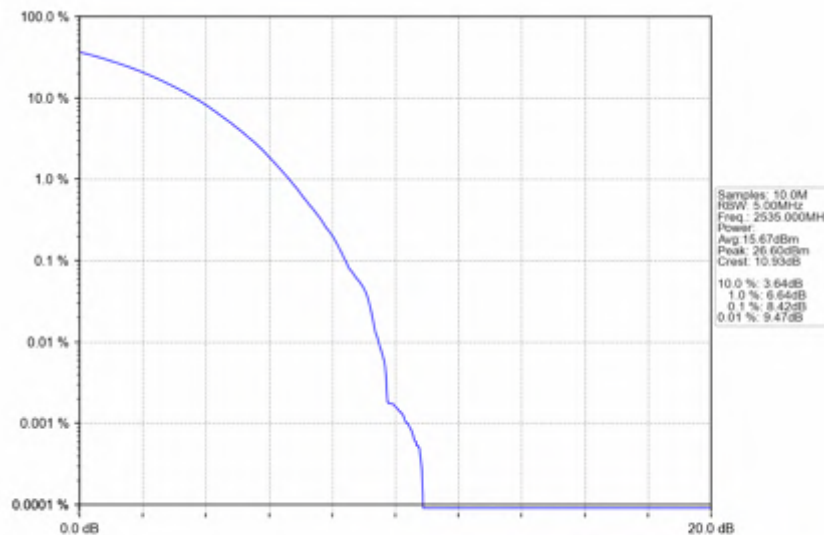


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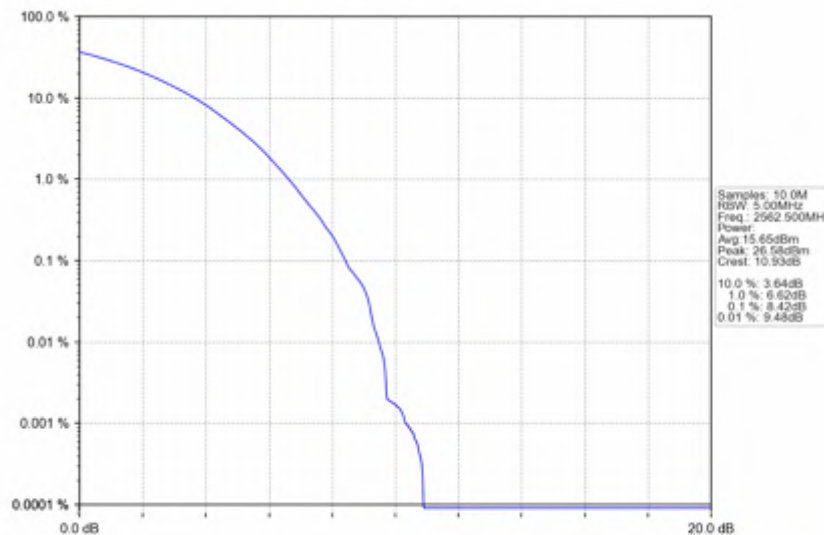
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n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_2562.5MHz_Outer_Full

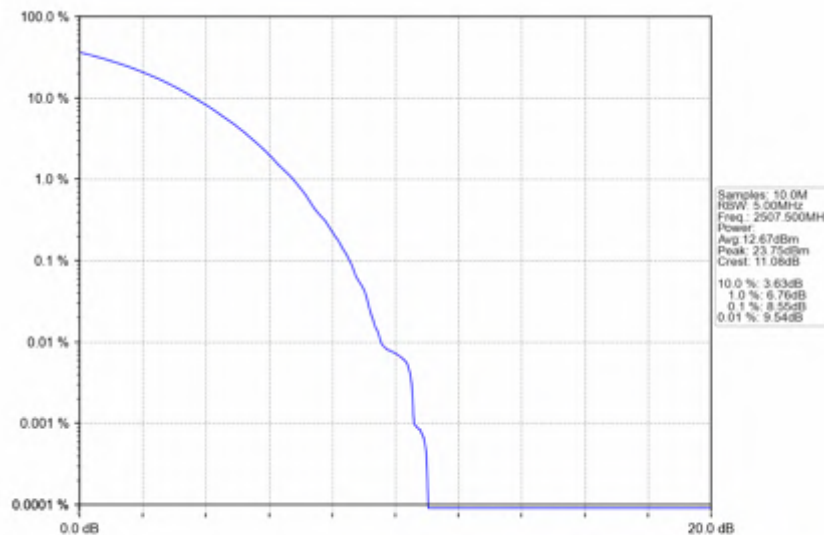


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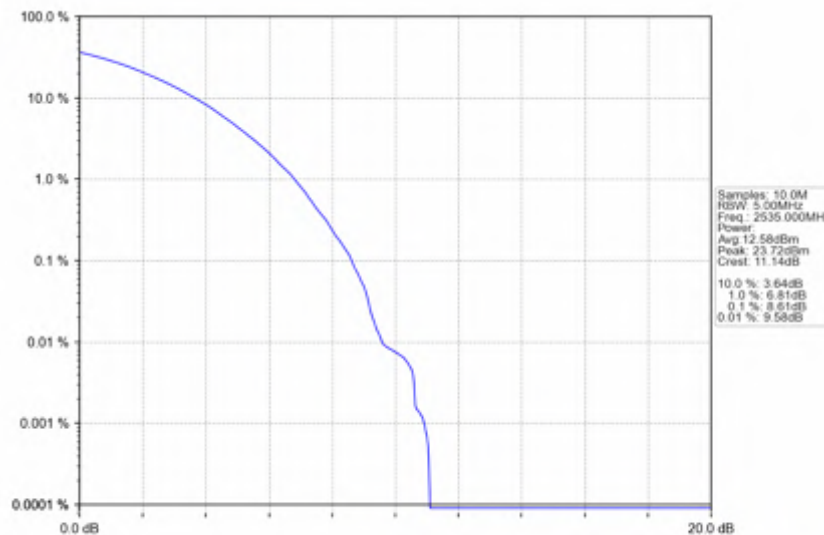
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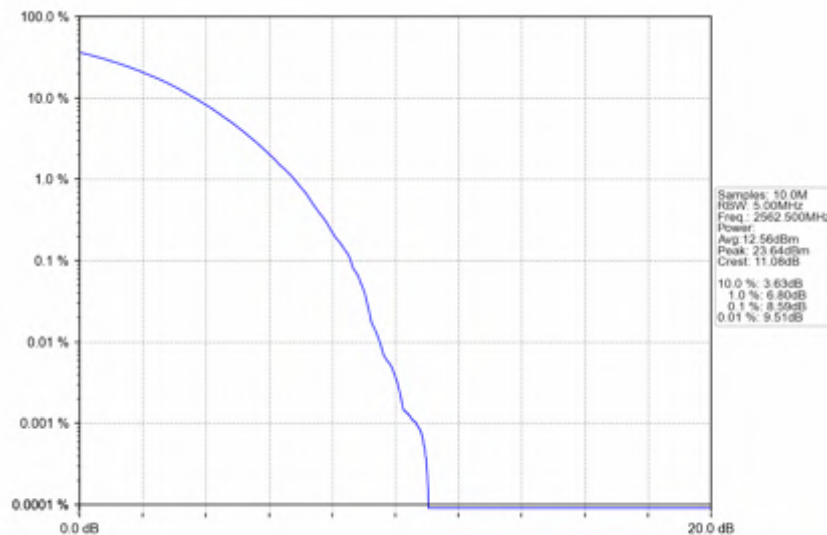


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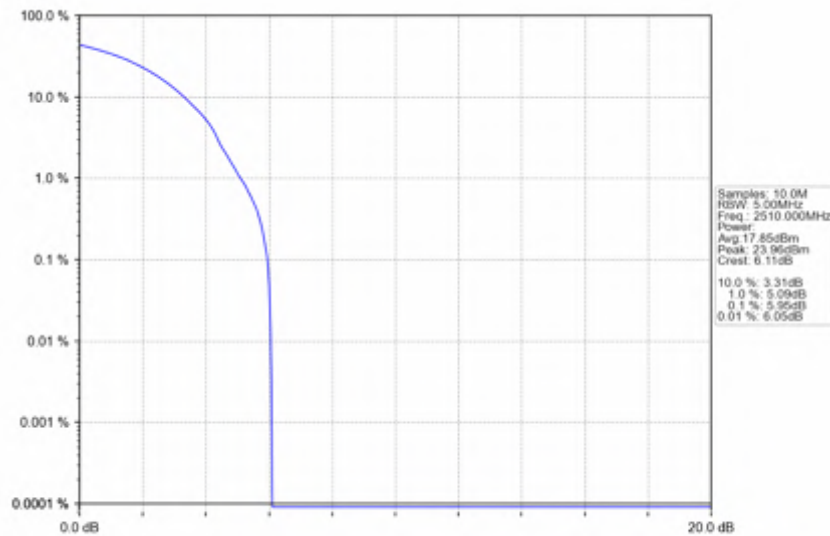
3.4 15k_SISO_20MHz_NTNV

3.4.1 Test Result

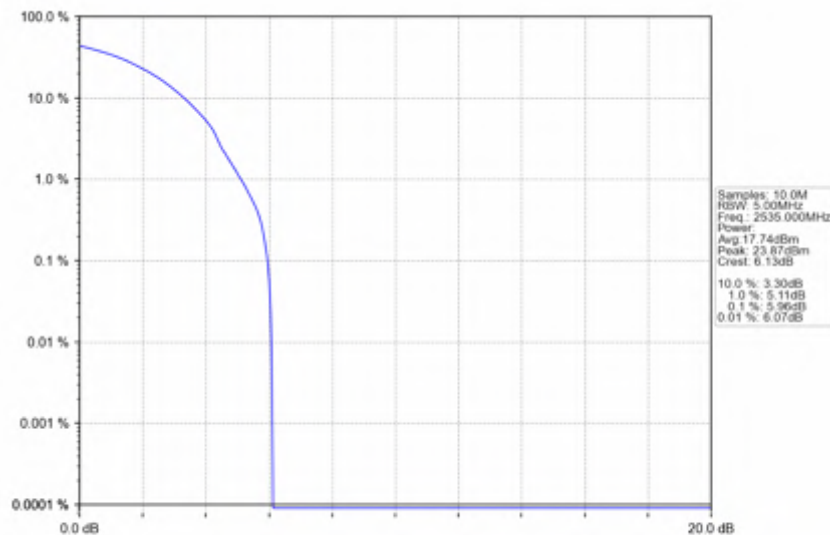
5G NR n7 SCS=15kHz SISO 20MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2510	Outer_Full	5.95	/	/	<=13	Pass
	2535	Outer_Full	5.96	/	/	<=13	Pass
	2560	Outer_Full	5.94	/	/	<=13	Pass
DFT-s-OFDM QPSK	2510	Outer_Full	6.55	/	/	<=13	Pass
	2535	Outer_Full	6.83	/	/	<=13	Pass
	2560	Outer_Full	6.73	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2510	Outer_Full	7.12	/	/	<=13	Pass
	2535	Outer_Full	7.34	/	/	<=13	Pass
	2560	Outer_Full	7.23	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2510	Outer_Full	7.19	/	/	<=13	Pass
	2535	Outer_Full	7.20	/	/	<=13	Pass
	2560	Outer_Full	7.28	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2510	Outer_Full	7.30	/	/	<=13	Pass
	2535	Outer_Full	7.28	/	/	<=13	Pass
	2560	Outer_Full	7.25	/	/	<=13	Pass
CP-OFDM QPSK	2510	Outer_Full	8.35	/	/	<=13	Pass
	2535	Outer_Full	8.36	/	/	<=13	Pass
	2560	Outer_Full	8.37	/	/	<=13	Pass
CP-OFDM 16 QAM	2510	Outer_Full	8.36	/	/	<=13	Pass
	2535	Outer_Full	8.40	/	/	<=13	Pass
	2560	Outer_Full	8.35	/	/	<=13	Pass
CP-OFDM 64 QAM	2510	Outer_Full	8.44	/	/	<=13	Pass
	2535	Outer_Full	8.55	/	/	<=13	Pass
	2560	Outer_Full	8.51	/	/	<=13	Pass
CP-OFDM 256 QAM	2510	Outer_Full	8.77	/	/	<=13	Pass
	2535	Outer_Full	8.58	/	/	<=13	Pass
	2560	Outer_Full	8.67	/	/	<=13	Pass

3.4.2 Test Graph

n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_2510MHz_Outer_Full



n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Outer_Full



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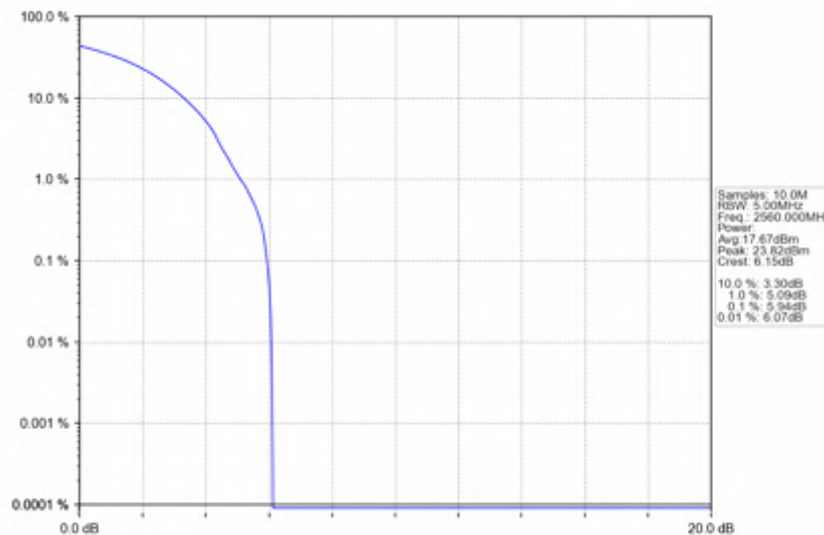
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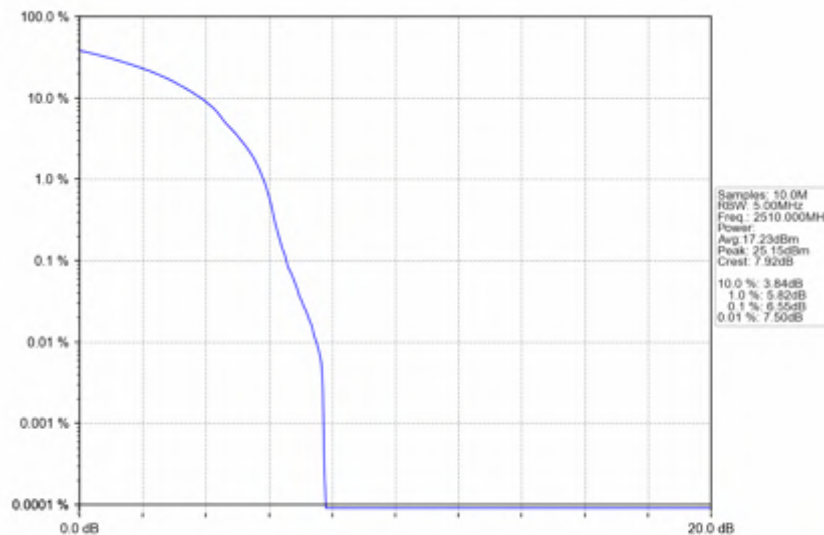
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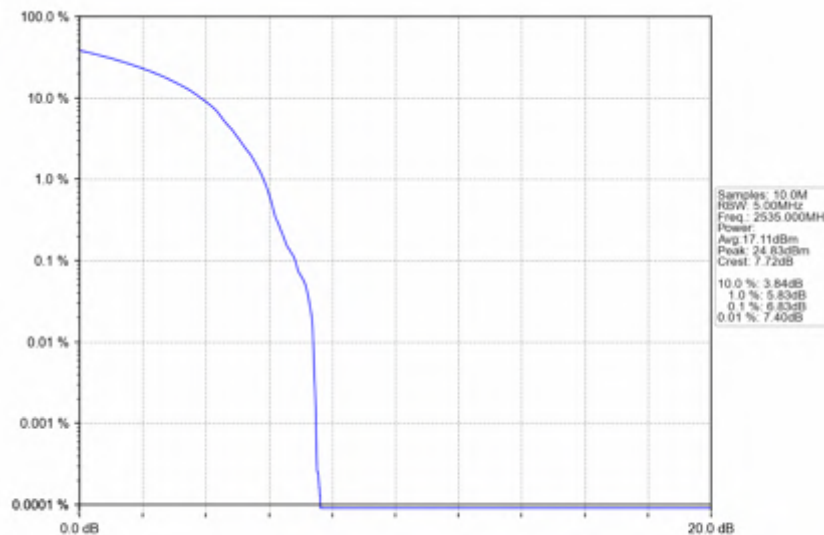


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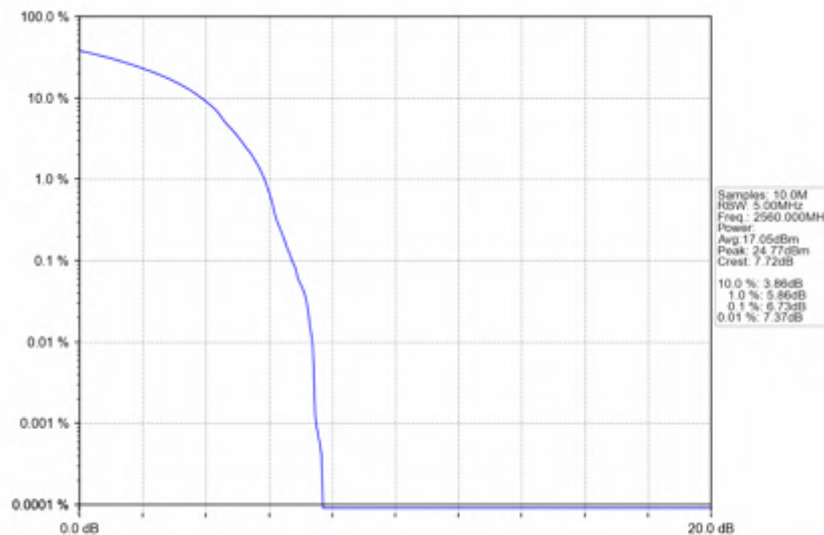
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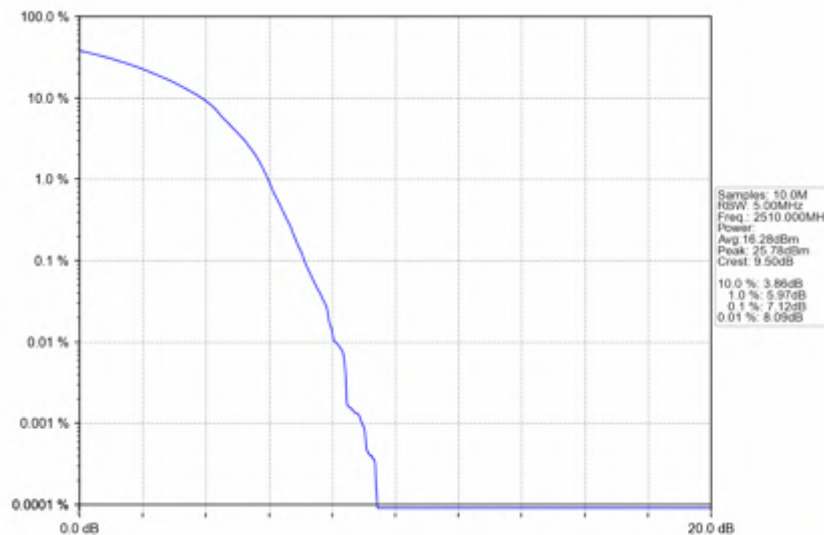


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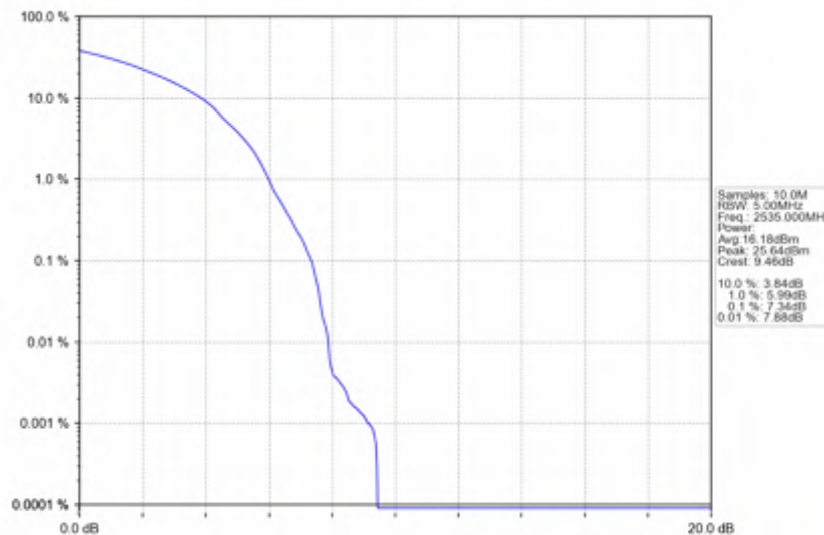
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n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_2510MHz_Outer_Full



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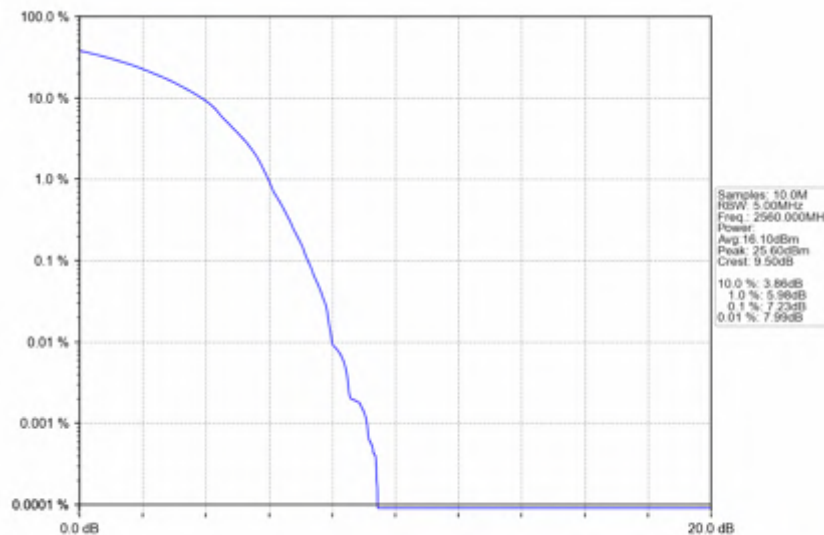


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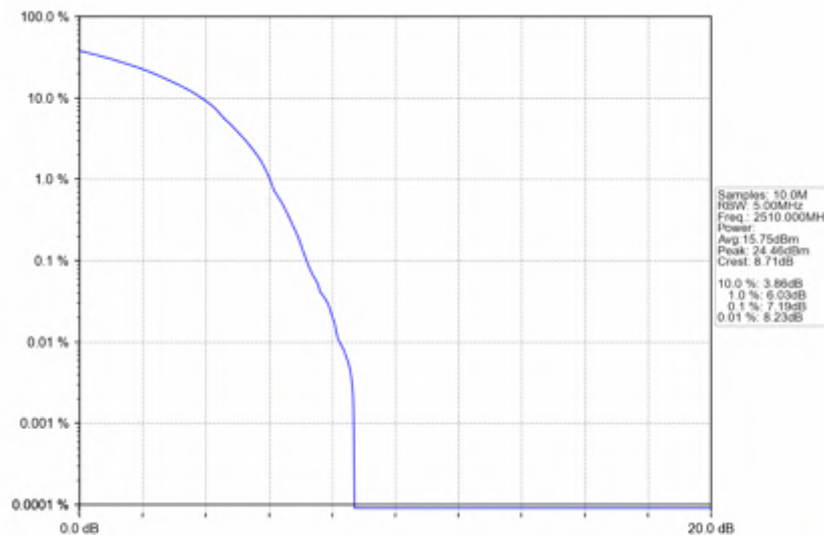
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n7 15kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 2510MHz Outer Full

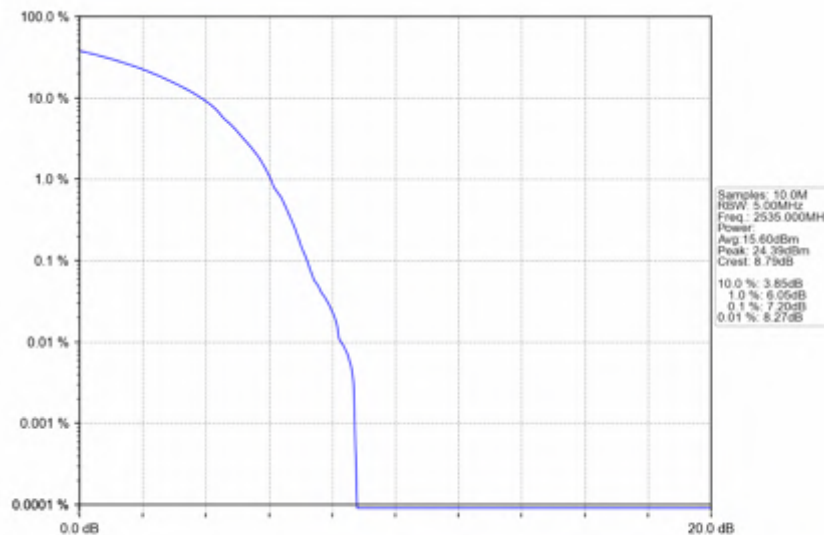


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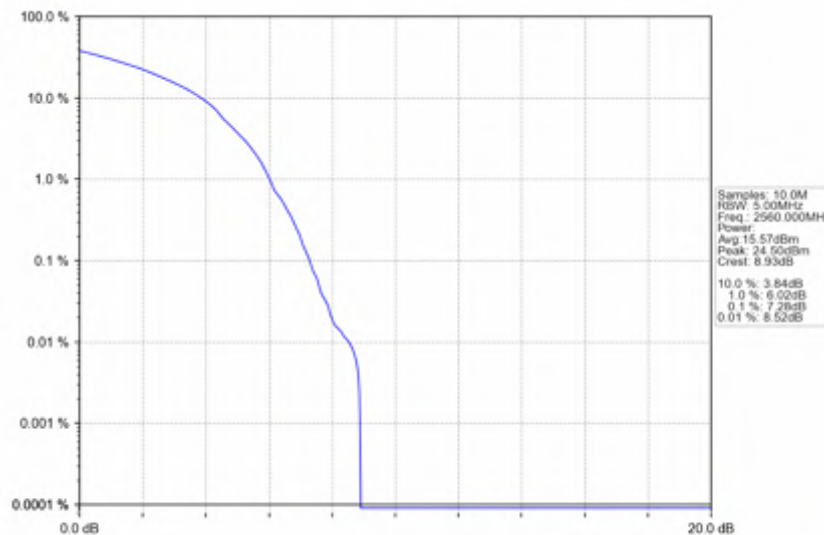
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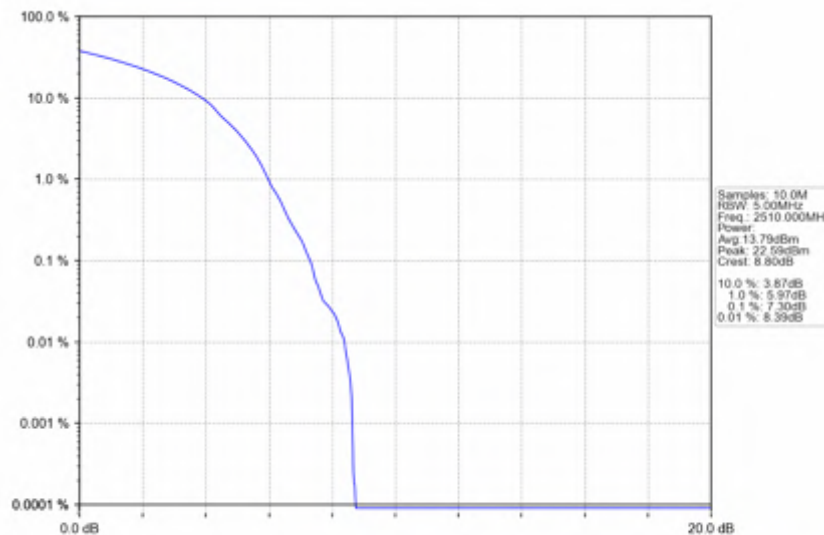
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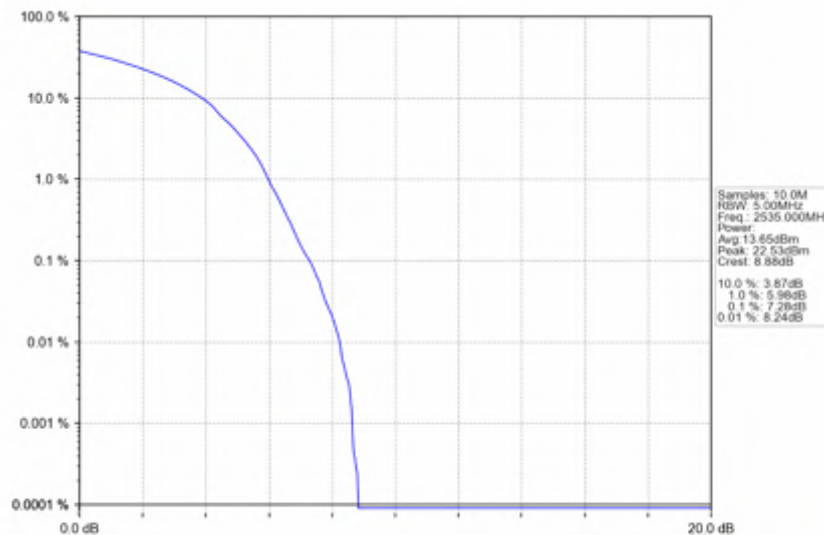
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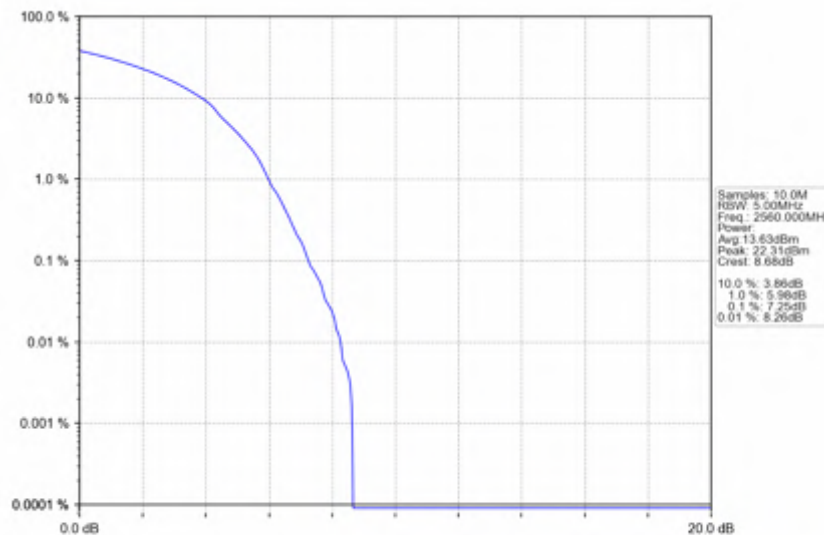


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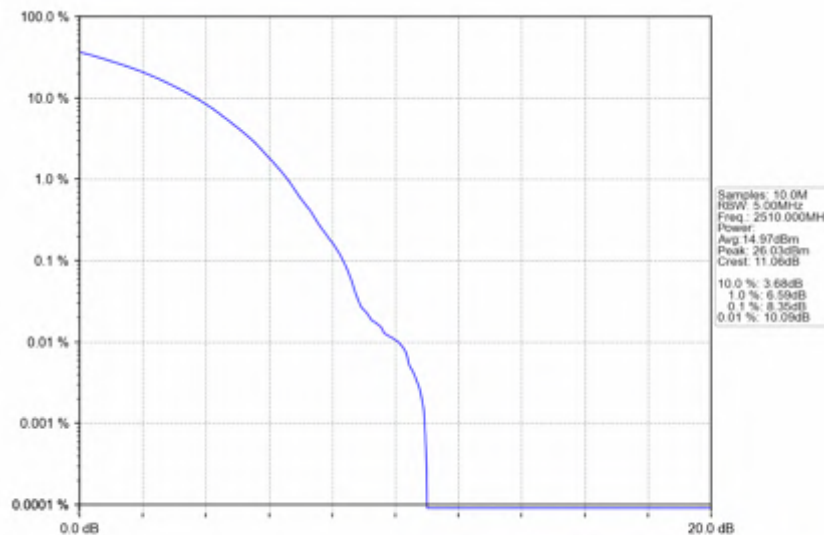
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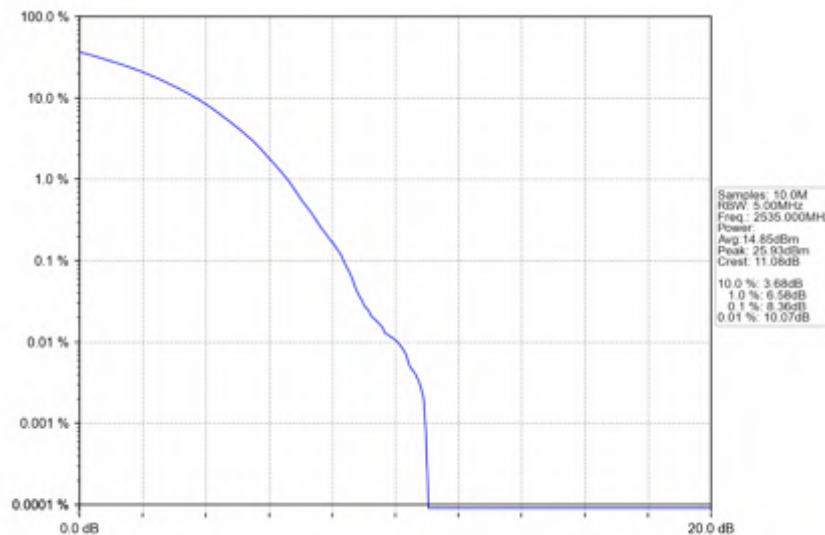
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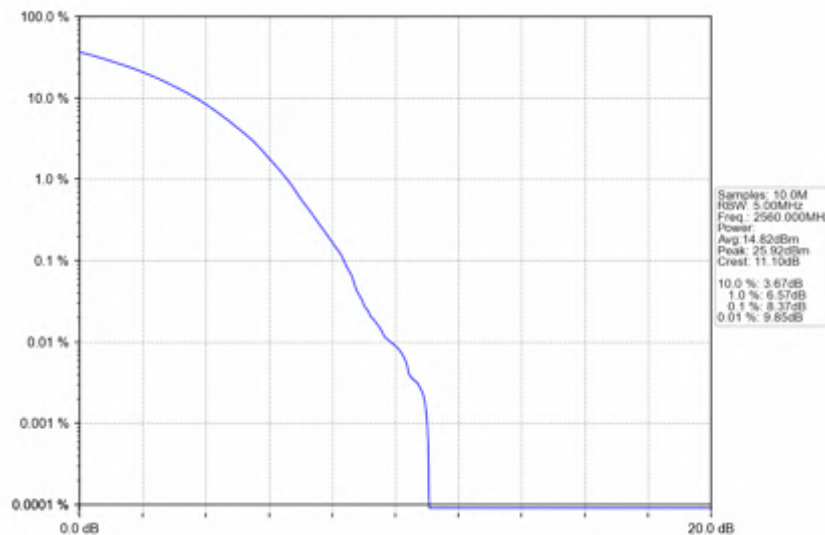
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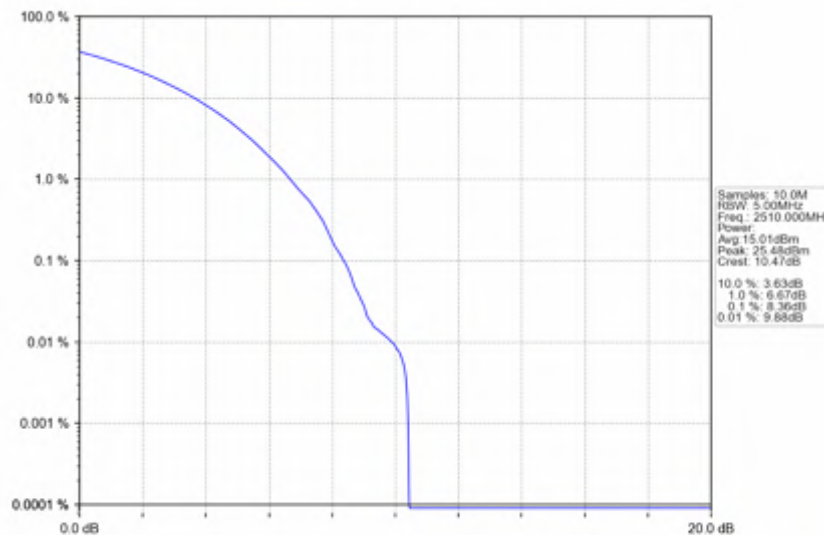


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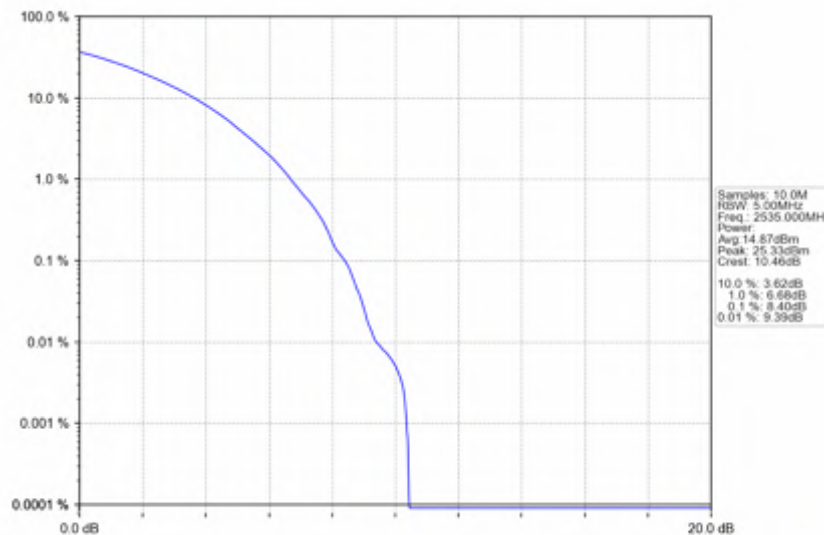
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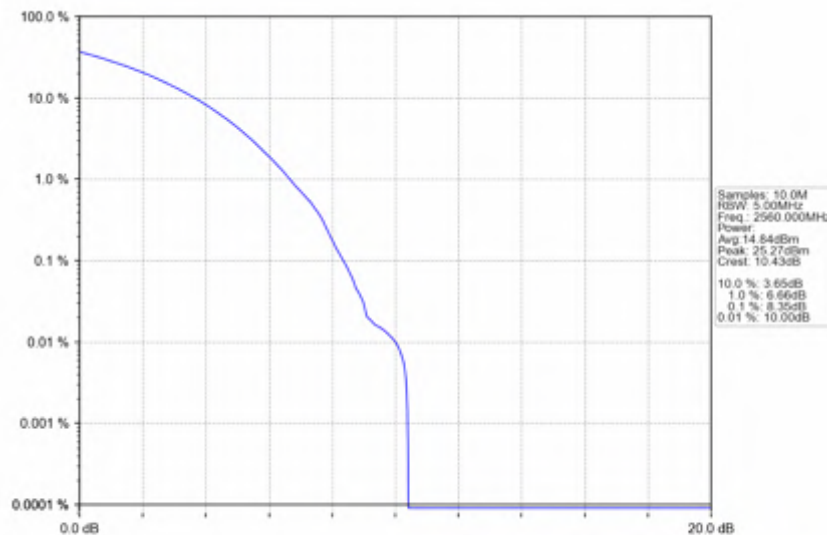


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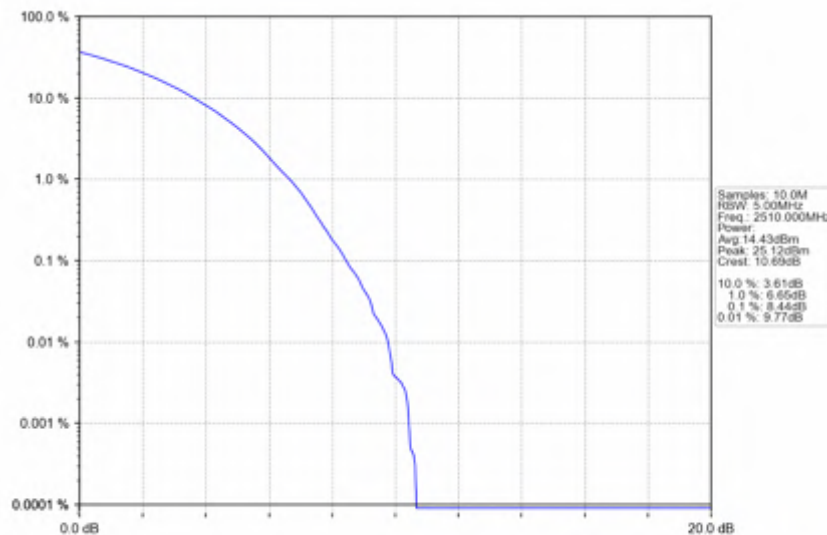
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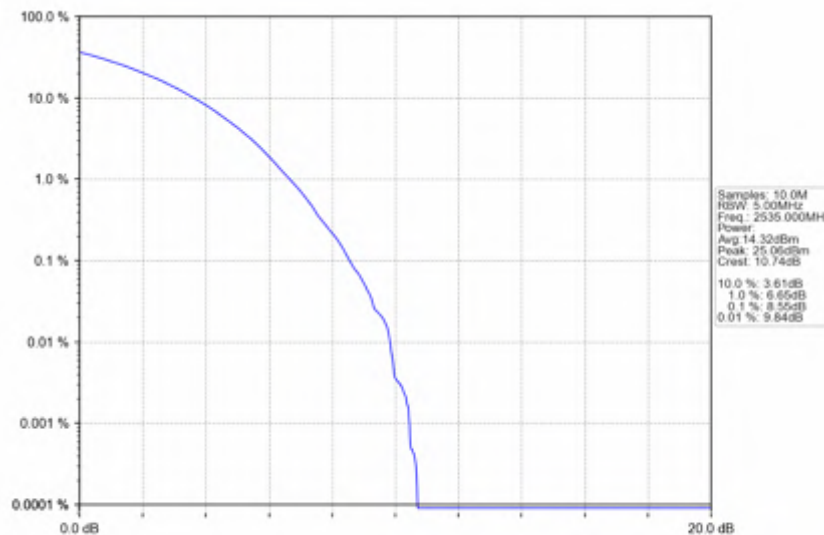


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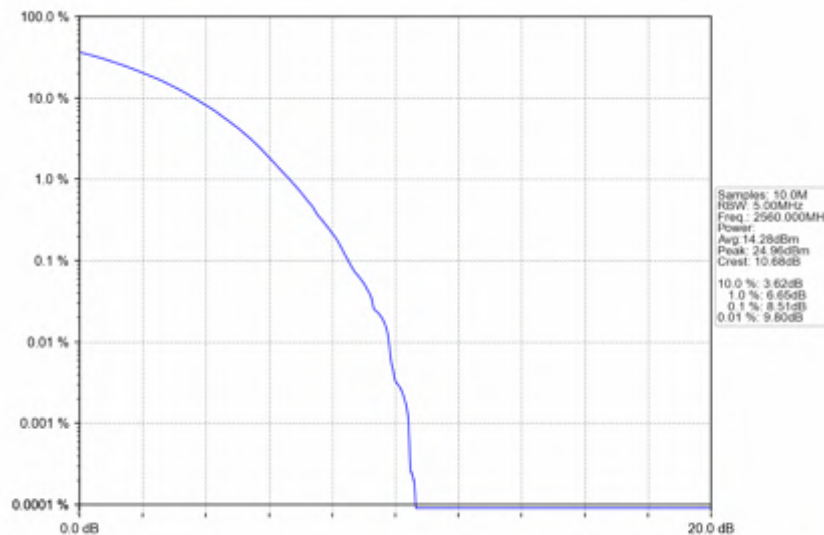
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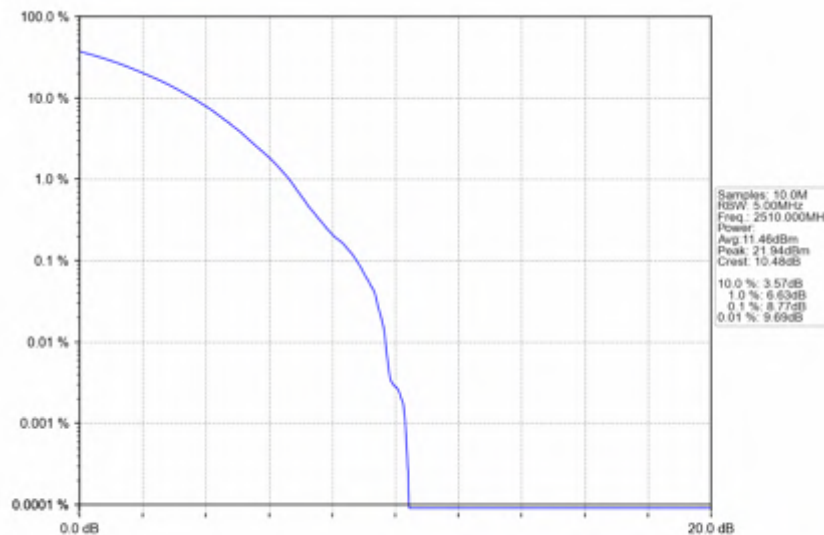


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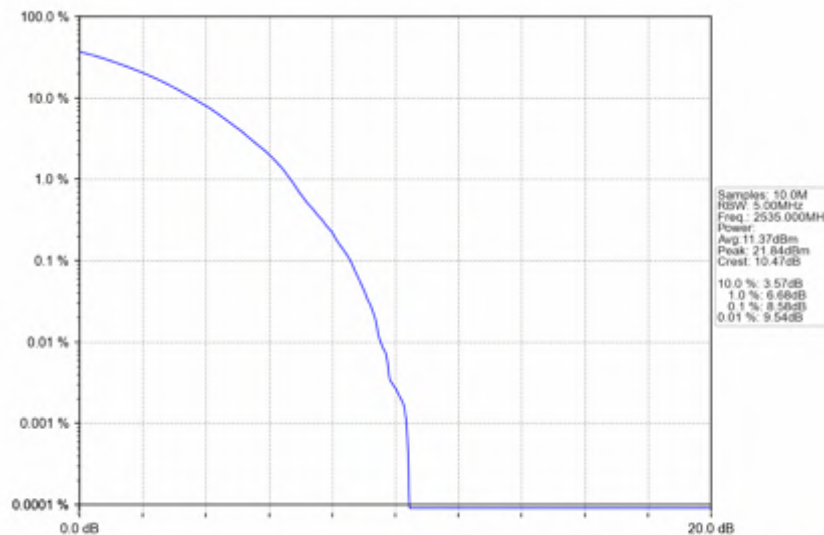
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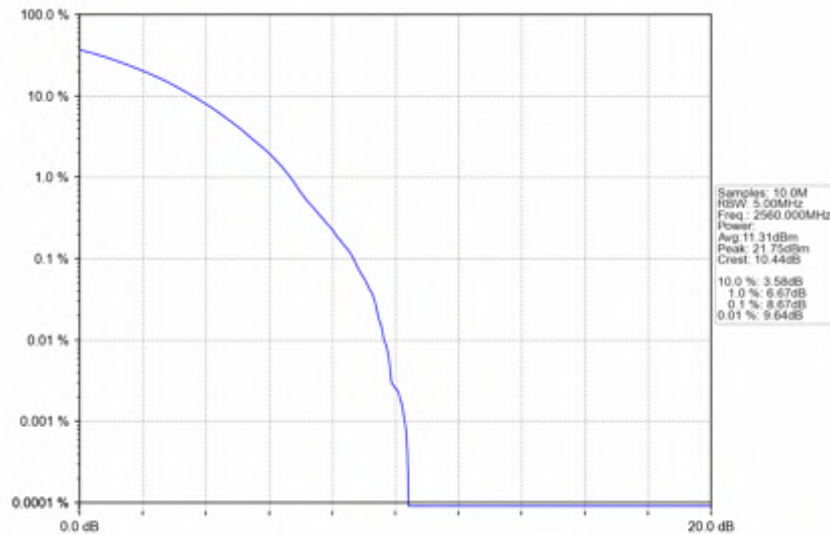
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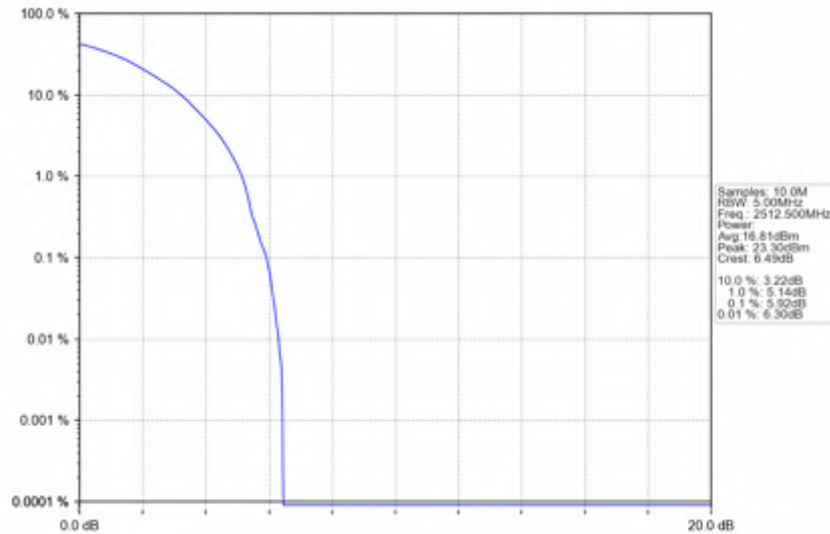
3.5 15k_SISO_25MHz_NTNV

3.5.1 Test Result

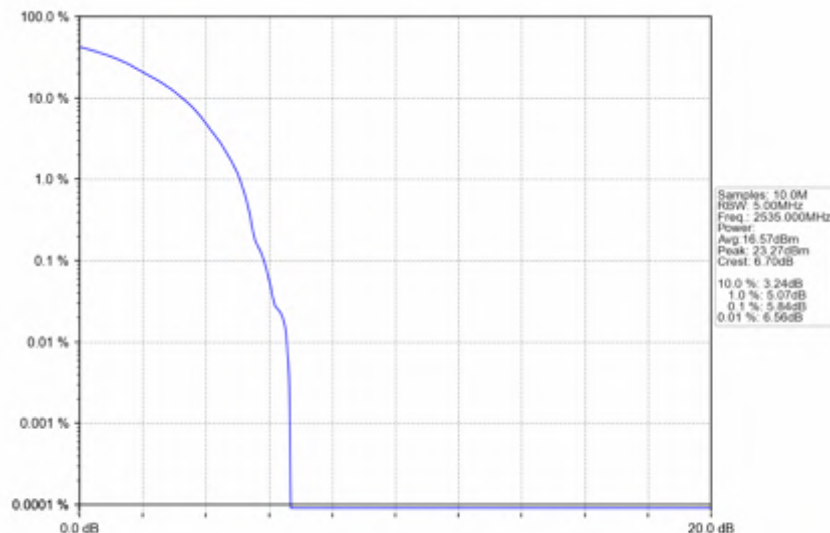
5G NR n7 SCS=15kHz SISO 25MHz NTVN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2512.5	Outer_Full	5.92	/	/	<=13	Pass
	2535	Outer_Full	5.84	/	/	<=13	Pass
	2557.5	Outer_Full	5.92	/	/	<=13	Pass
DFT-s-OFDM QPSK	2512.5	Outer_Full	7.08	/	/	<=13	Pass
	2535	Outer_Full	6.98	/	/	<=13	Pass
	2557.5	Outer_Full	6.96	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2512.5	Outer_Full	7.42	/	/	<=13	Pass
	2535	Outer_Full	7.38	/	/	<=13	Pass
	2557.5	Outer_Full	7.56	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2512.5	Outer_Full	7.67	/	/	<=13	Pass
	2535	Outer_Full	7.62	/	/	<=13	Pass
	2557.5	Outer_Full	7.64	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2512.5	Outer_Full	7.66	/	/	<=13	Pass
	2535	Outer_Full	7.67	/	/	<=13	Pass
	2557.5	Outer_Full	7.71	/	/	<=13	Pass
CP-OFDM QPSK	2512.5	Outer_Full	8.25	/	/	<=13	Pass
	2535	Outer_Full	8.30	/	/	<=13	Pass
	2557.5	Outer_Full	8.36	/	/	<=13	Pass
CP-OFDM 16 QAM	2512.5	Outer_Full	8.36	/	/	<=13	Pass
	2535	Outer_Full	8.38	/	/	<=13	Pass
	2557.5	Outer_Full	8.35	/	/	<=13	Pass
CP-OFDM 64 QAM	2512.5	Outer_Full	8.50	/	/	<=13	Pass
	2535	Outer_Full	8.44	/	/	<=13	Pass
	2557.5	Outer_Full	8.44	/	/	<=13	Pass
CP-OFDM 256 QAM	2512.5	Outer_Full	8.62	/	/	<=13	Pass
	2535	Outer_Full	8.64	/	/	<=13	Pass
	2557.5	Outer_Full	8.62	/	/	<=13	Pass

3.5.2 Test Graph

n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_PI/2_BPSK_2512.5MHz_Outer_Full



n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_PI/2_BPSK_2535MHz_Outer_Full



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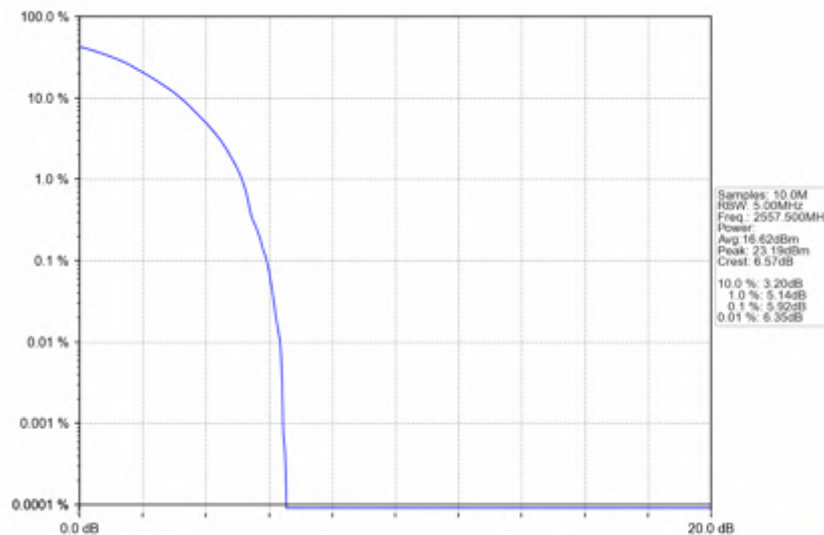
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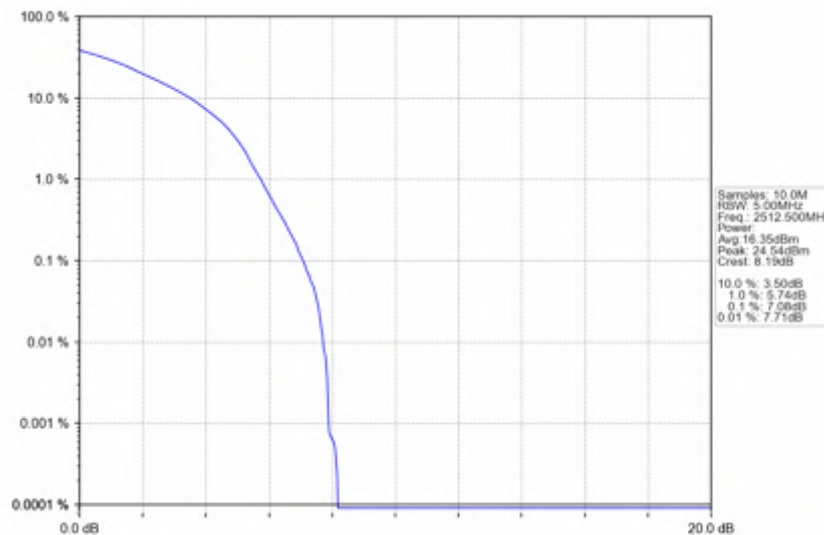
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n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_2557.5MHz_Outer_Full



n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_2512.5MHz_Outer_Full

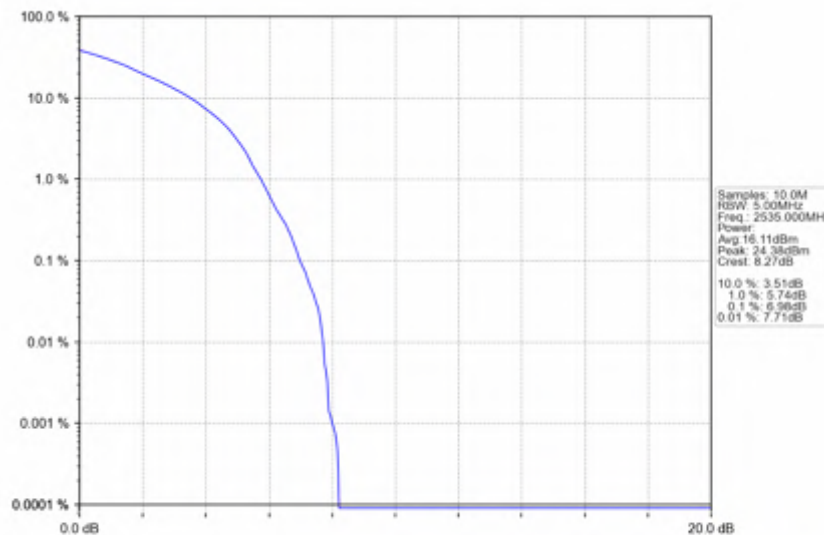


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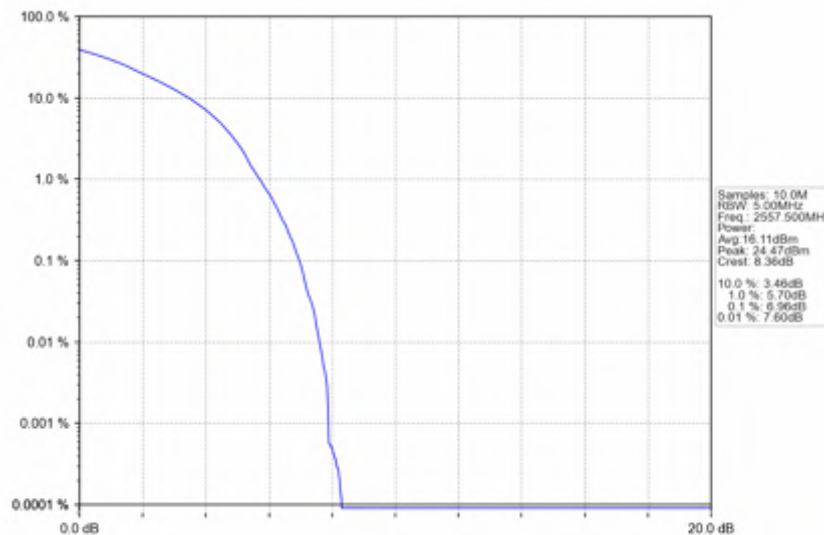
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n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_2535MHz_Outer_Full



n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_2557.5MHz_Outer_Full



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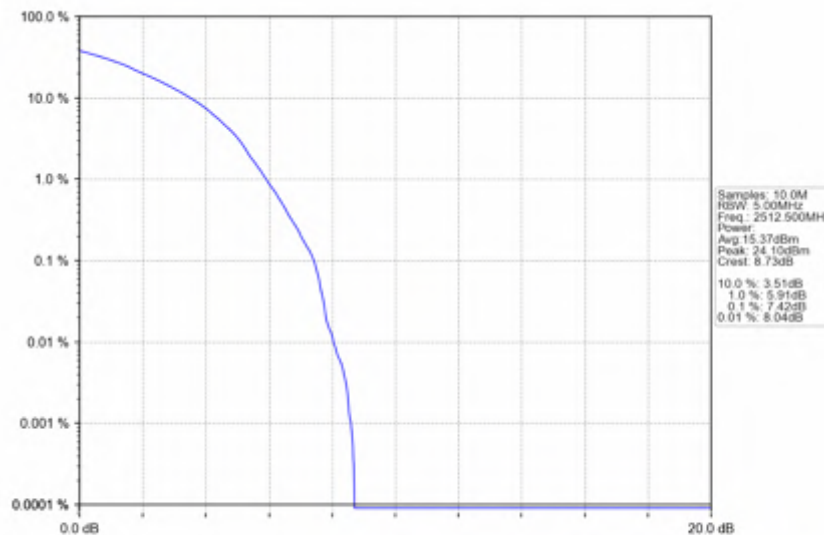
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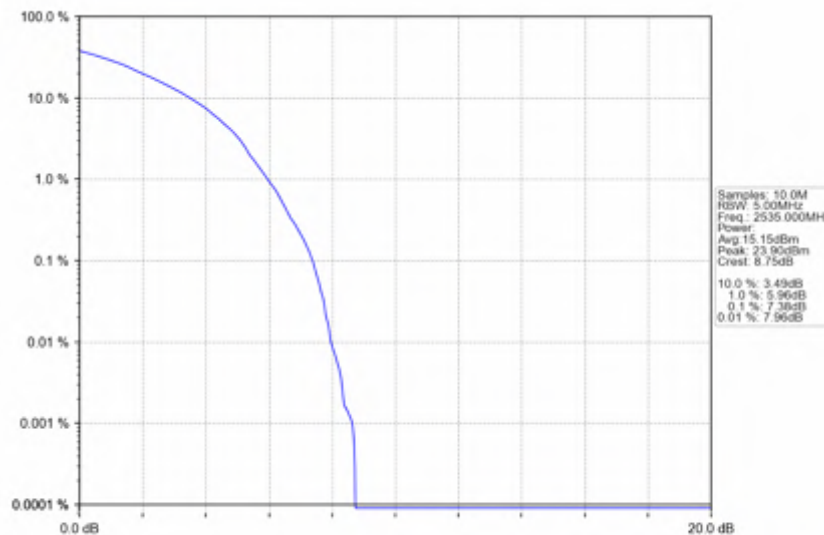
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n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_16_QAM_2535MHz_Outer_Full

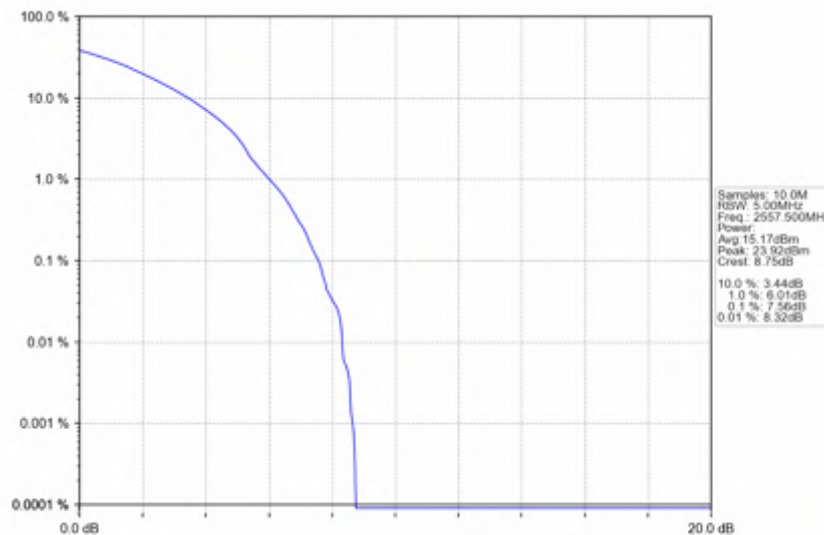


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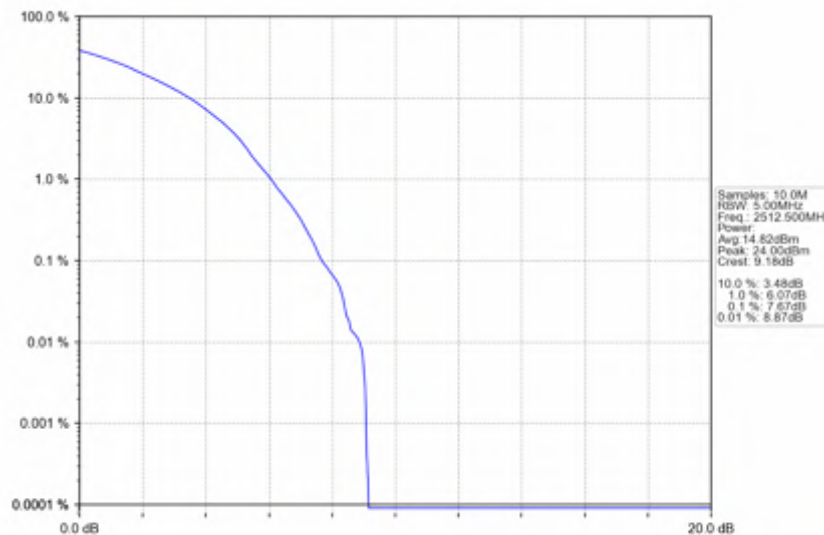
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n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_16_QAM_2557.5MHz_Outer_Full



n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_64_QAM_2512.5MHz_Outer_Full



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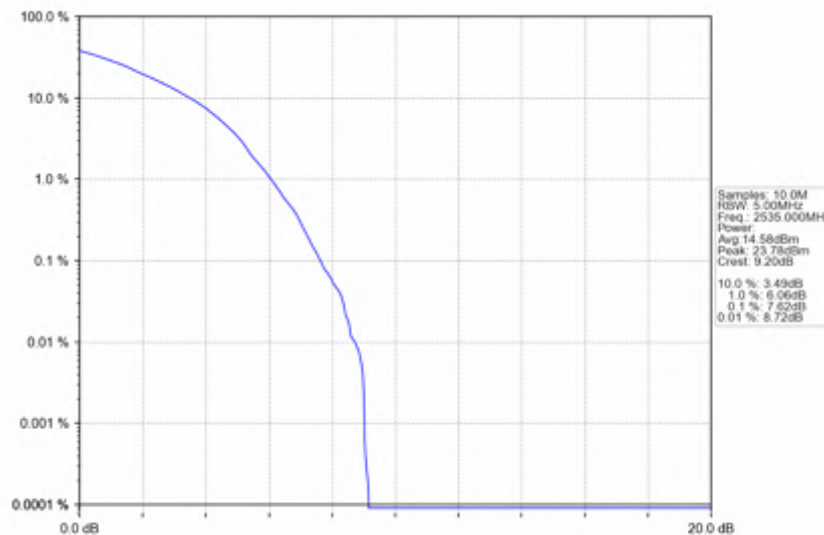
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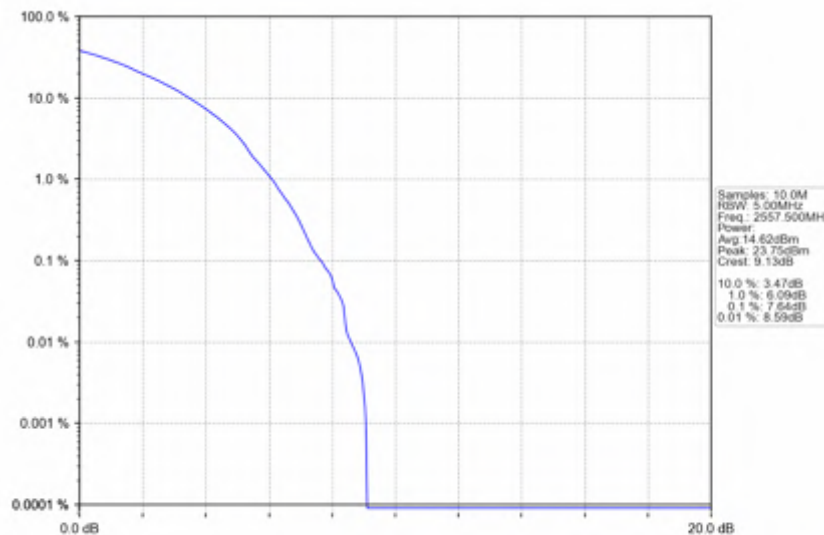
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n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM 64 QAM_2535MHz_Outer_Full



n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM 64 QAM_2557.5MHz_Outer_Full

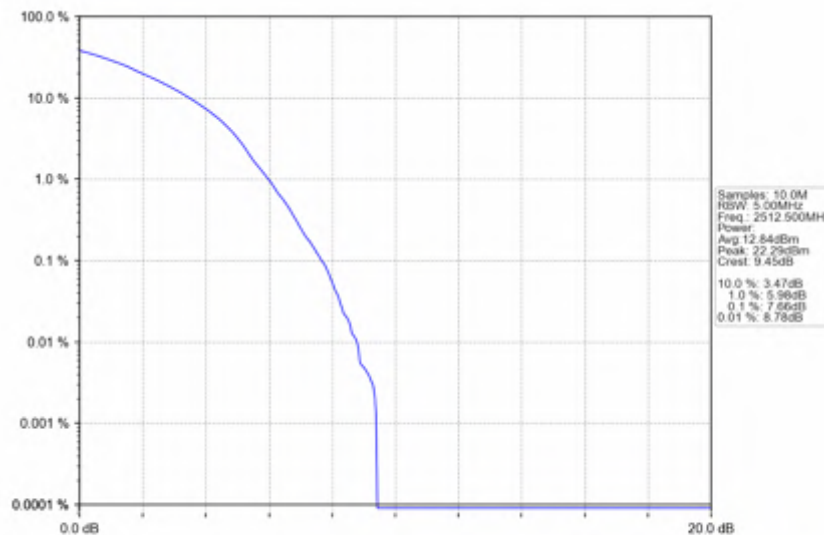


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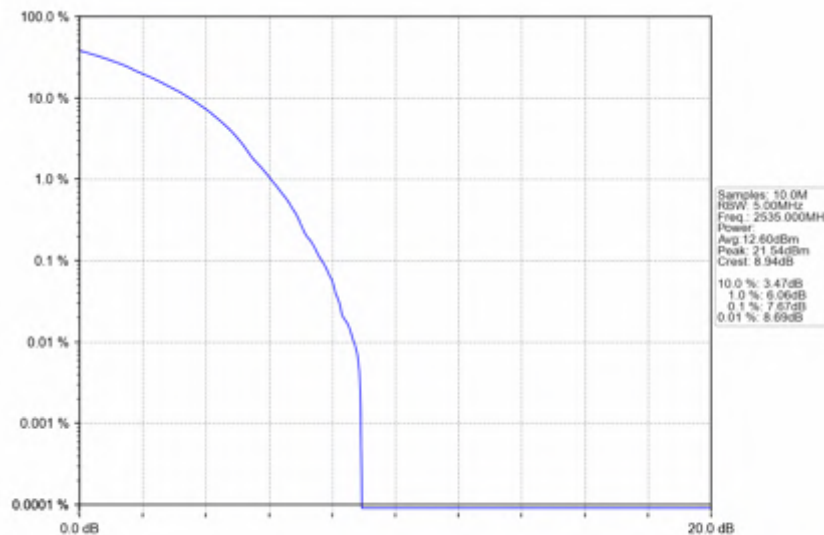
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n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full

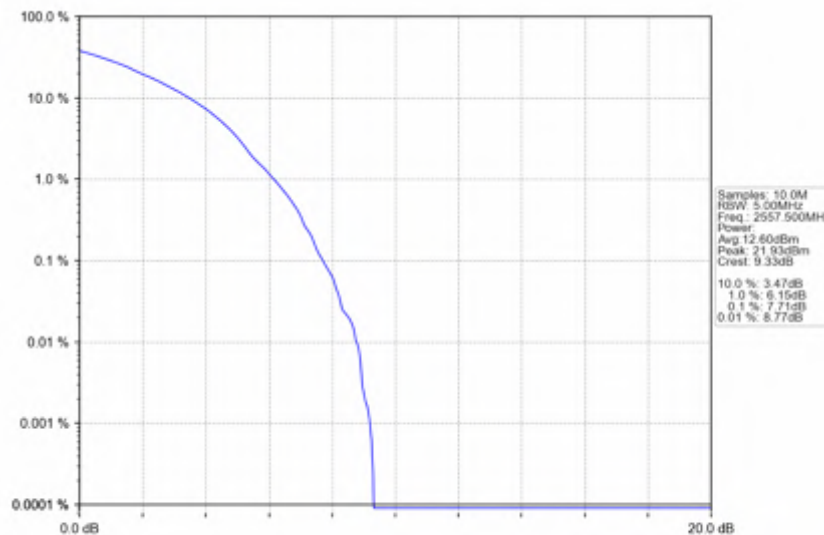


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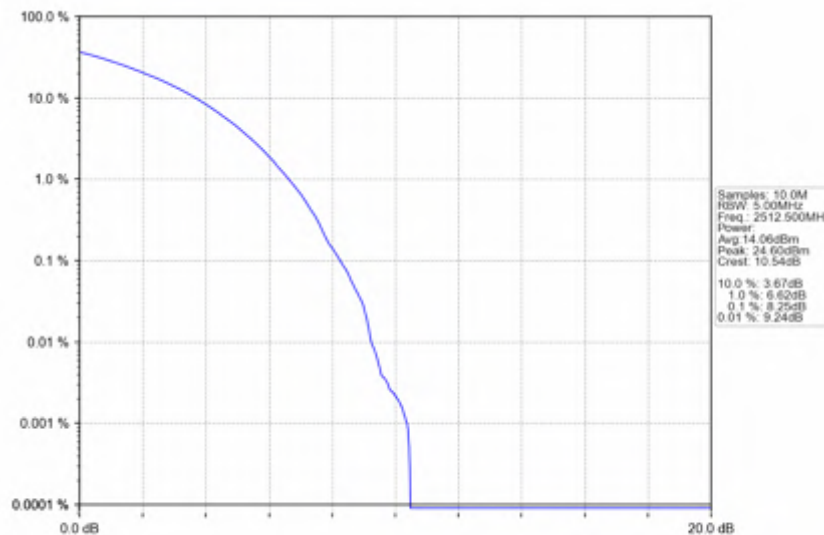
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n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM 256 QAM_2557.5MHz_Outer_Full



n7_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_2512.5MHz_Outer_Full



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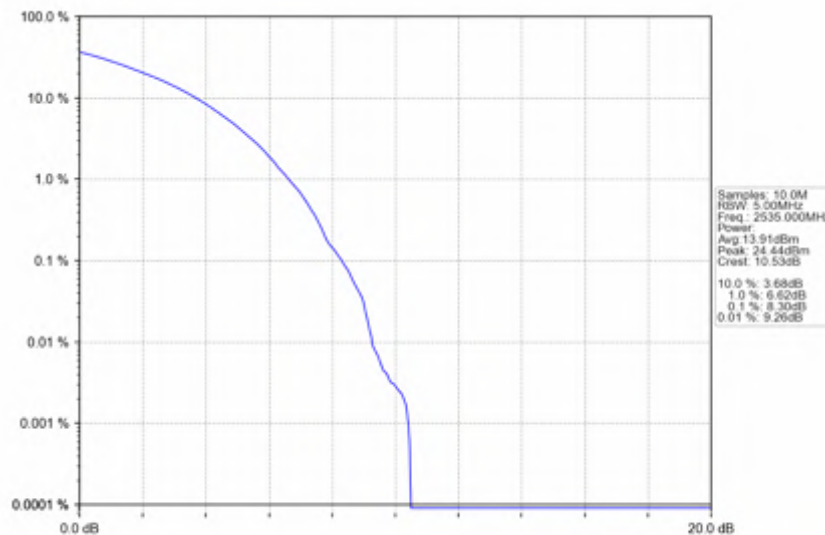
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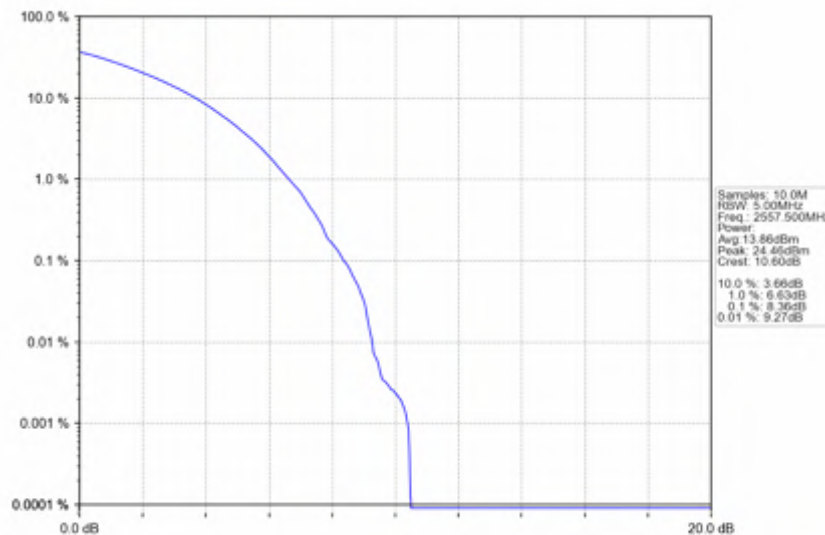
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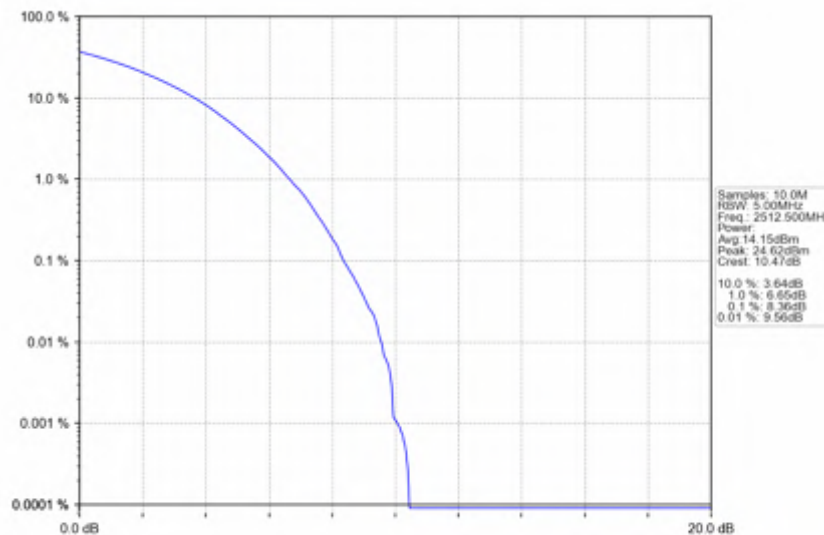
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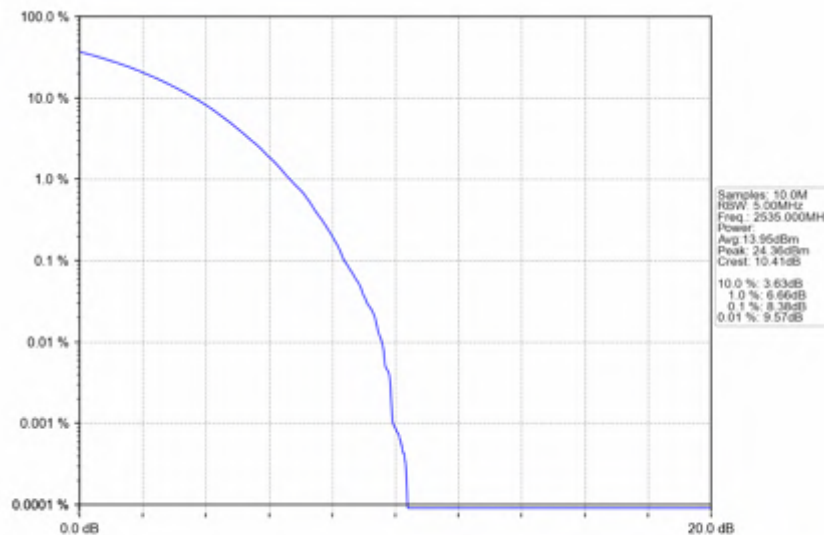
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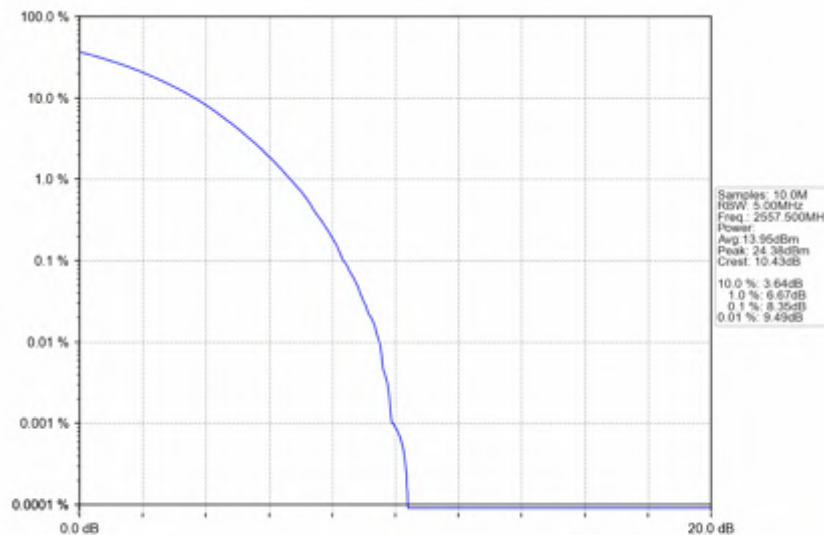
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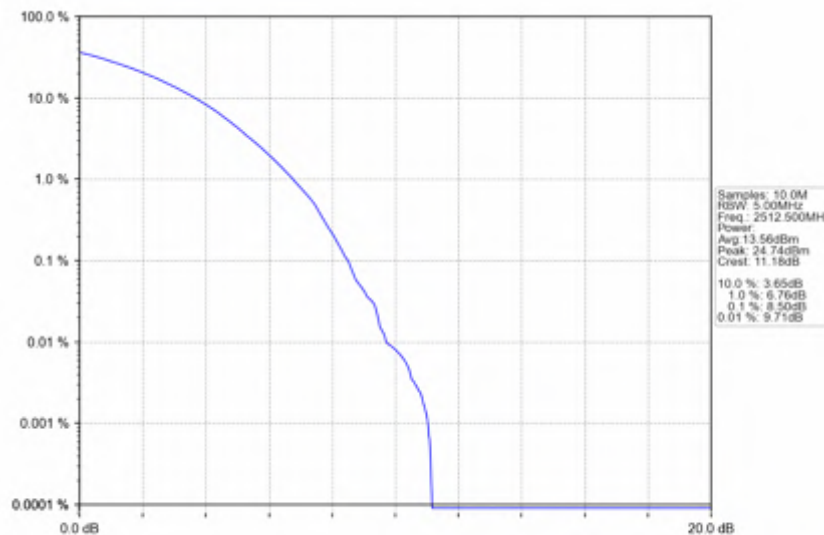
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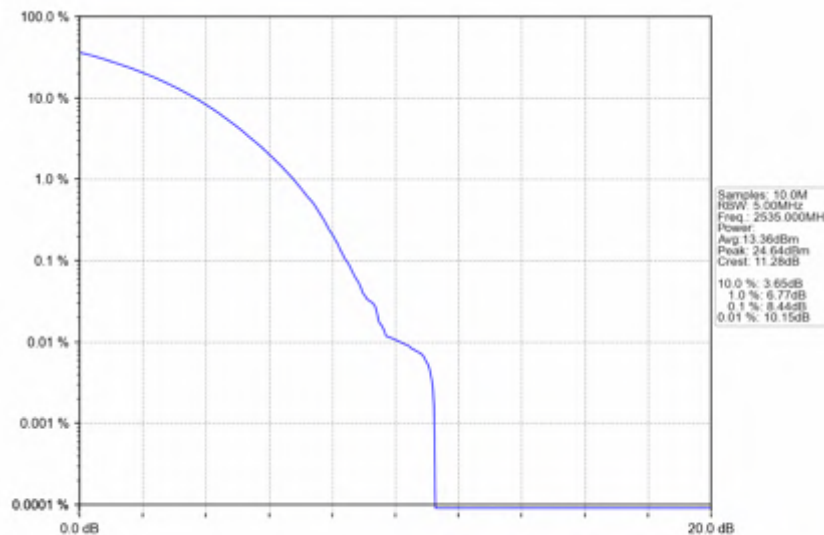


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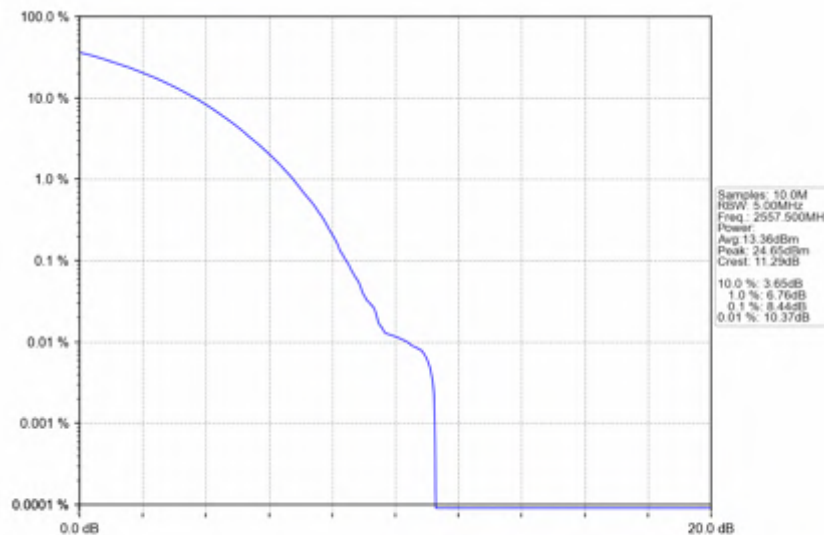
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n7_15kHz_SISO_NTNV_25MHz_CP-OFDM 64 QAM_2535MHz_Outer_Full



n7_15kHz_SISO_NTNV_25MHz_CP-OFDM 64 QAM_2557.5MHz_Outer_Full

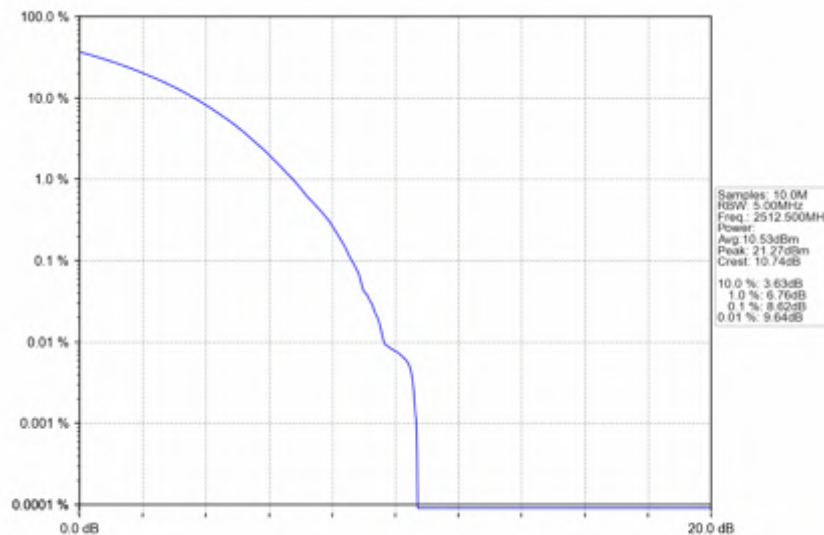


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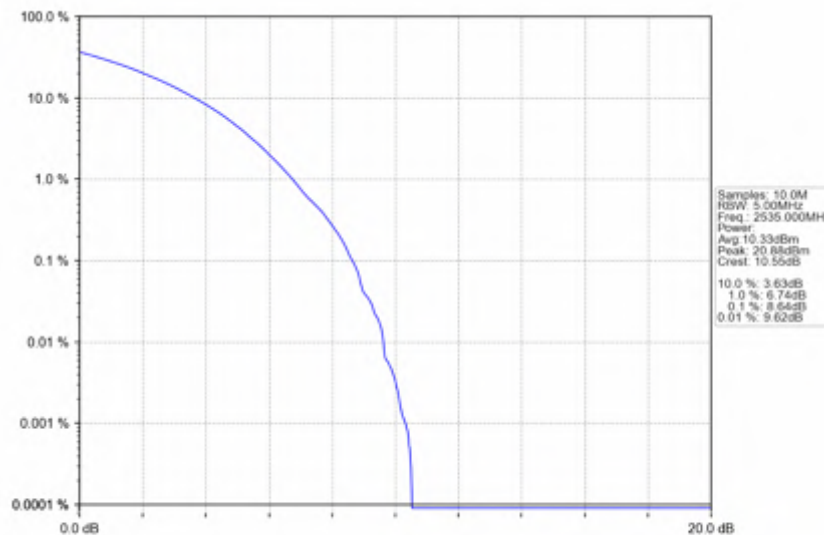
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n7_15kHz_SISO_NTNV_25MHz_CP-OFDM_256_QAM_2512.5MHz_Outer_Full



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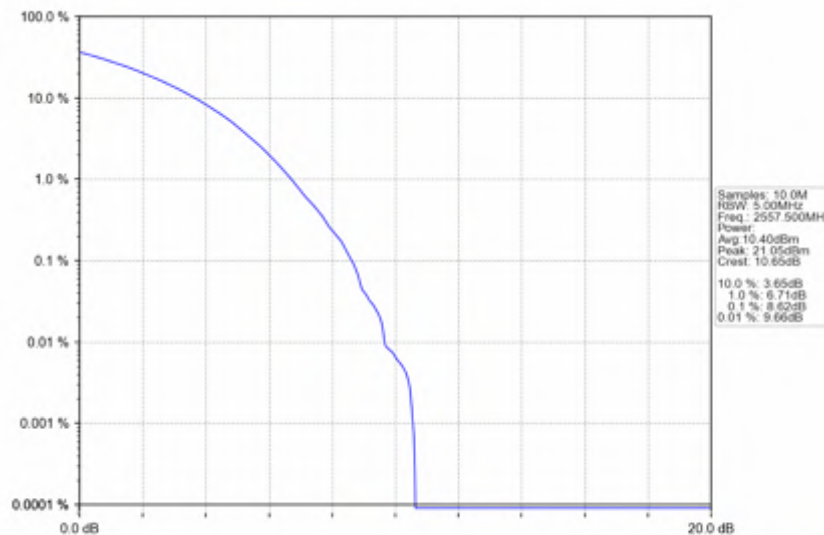
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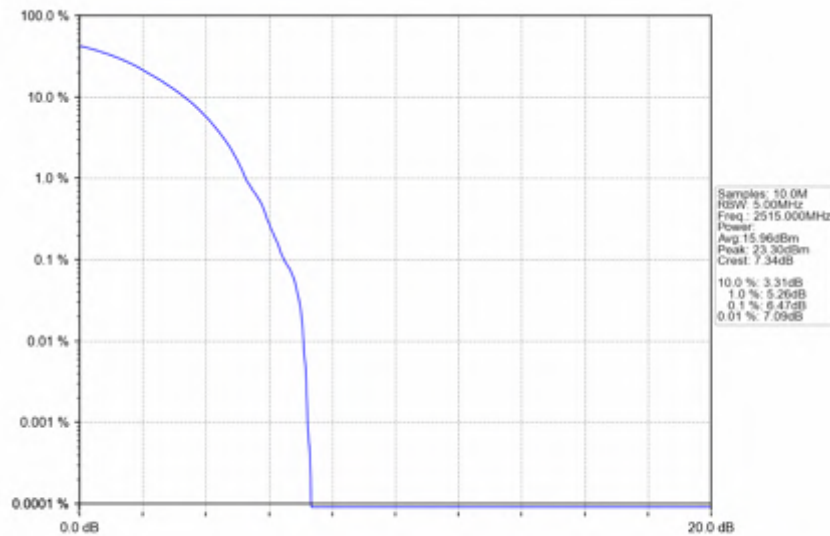
3.6 15k_SISO_30MHz_NTNV

3.6.1 Test Result

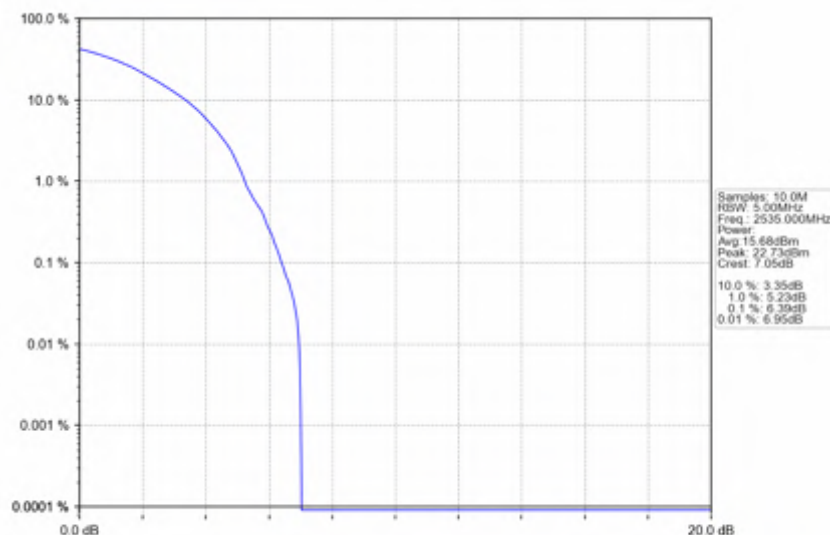
5G NR n7 SCS=15kHz SISO 30MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2515	Outer_Full	6.47	/	/	<=13	Pass
	2535	Outer_Full	6.39	/	/	<=13	Pass
	2555	Outer_Full	6.43	/	/	<=13	Pass
DFT-s-OFDM QPSK	2515	Outer_Full	7.28	/	/	<=13	Pass
	2535	Outer_Full	7.38	/	/	<=13	Pass
	2555	Outer_Full	7.32	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2515	Outer_Full	7.83	/	/	<=13	Pass
	2535	Outer_Full	7.79	/	/	<=13	Pass
	2555	Outer_Full	7.81	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2515	Outer_Full	7.68	/	/	<=13	Pass
	2535	Outer_Full	7.70	/	/	<=13	Pass
	2555	Outer_Full	7.63	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2515	Outer_Full	7.86	/	/	<=13	Pass
	2535	Outer_Full	7.90	/	/	<=13	Pass
	2555	Outer_Full	7.89	/	/	<=13	Pass
CP-OFDM QPSK	2515	Outer_Full	8.47	/	/	<=13	Pass
	2535	Outer_Full	8.51	/	/	<=13	Pass
	2555	Outer_Full	8.40	/	/	<=13	Pass
CP-OFDM 16 QAM	2515	Outer_Full	8.57	/	/	<=13	Pass
	2535	Outer_Full	8.61	/	/	<=13	Pass
	2555	Outer_Full	8.45	/	/	<=13	Pass
CP-OFDM 64 QAM	2515	Outer_Full	8.47	/	/	<=13	Pass
	2535	Outer_Full	8.59	/	/	<=13	Pass
	2555	Outer_Full	8.41	/	/	<=13	Pass
CP-OFDM 256 QAM	2515	Outer_Full	8.62	/	/	<=13	Pass
	2535	Outer_Full	8.63	/	/	<=13	Pass
	2555	Outer_Full	8.87	/	/	<=13	Pass

3.6.2 Test Graph

n7_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_2515MHz_Outer_Full



n7_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Outer_Full



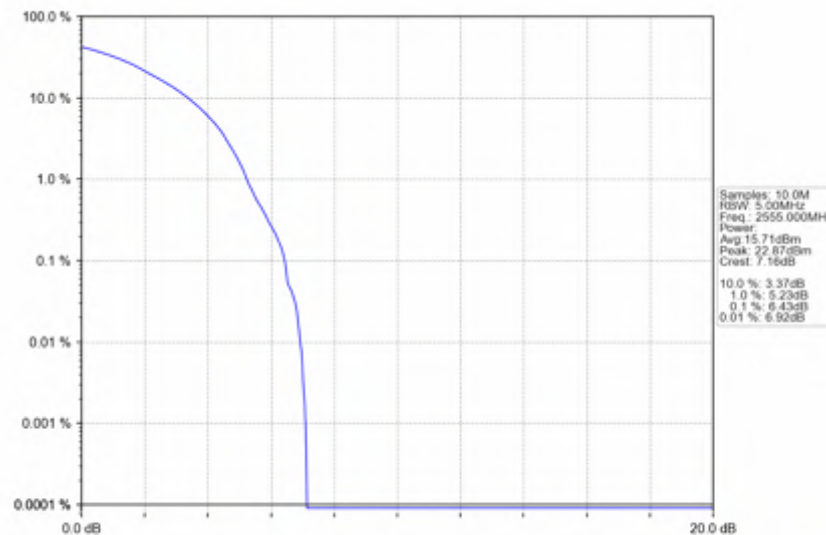
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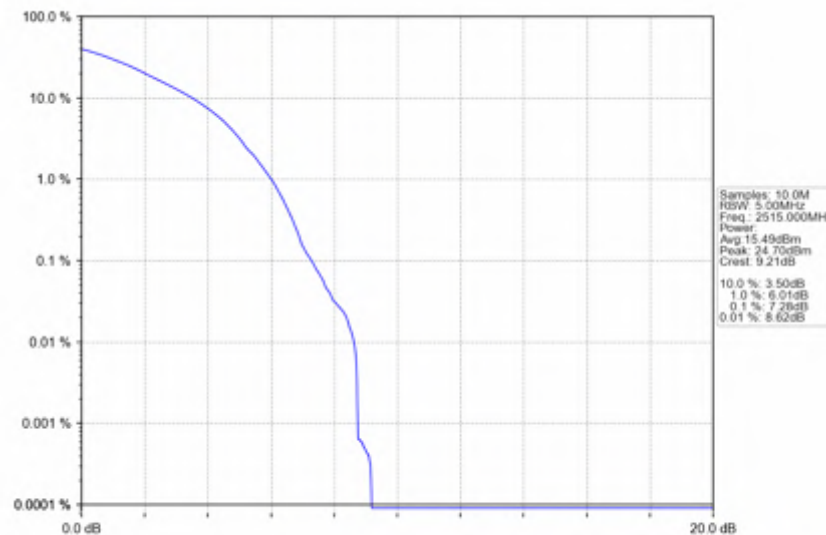
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n7_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_2515MHz_Outer_Full

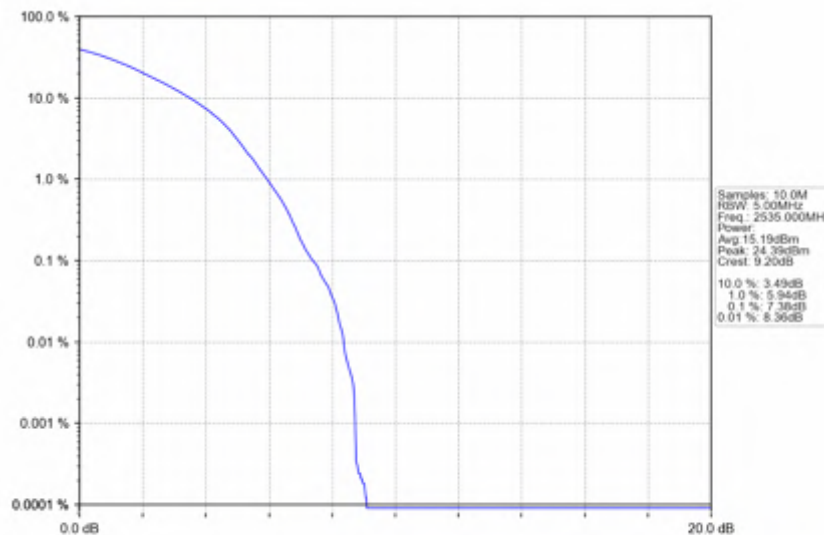


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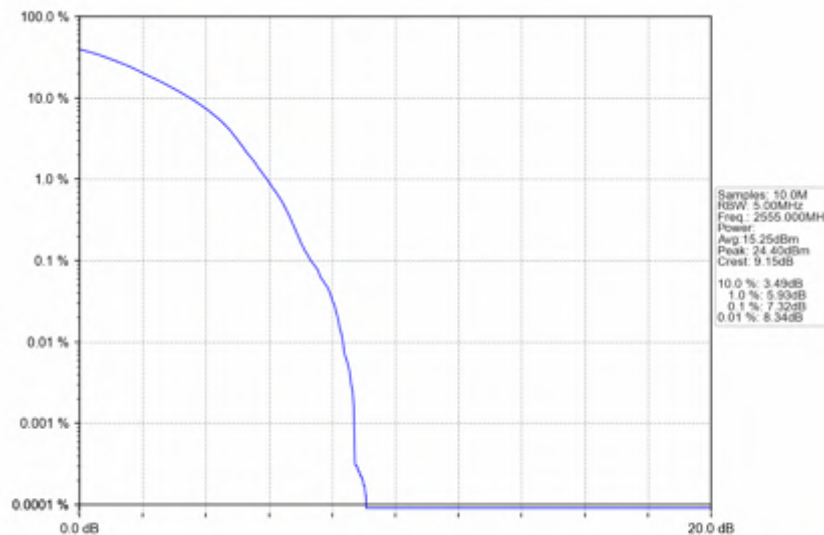
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n7_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_2555MHz_Outer_Full

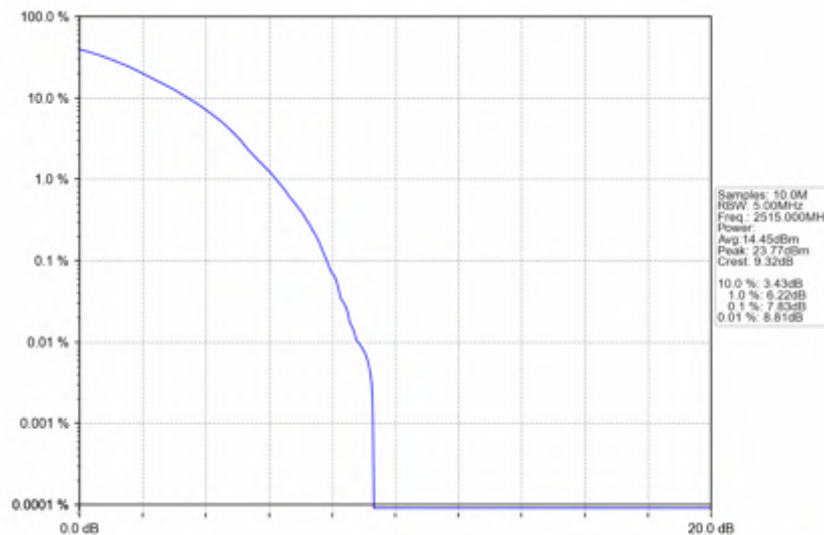


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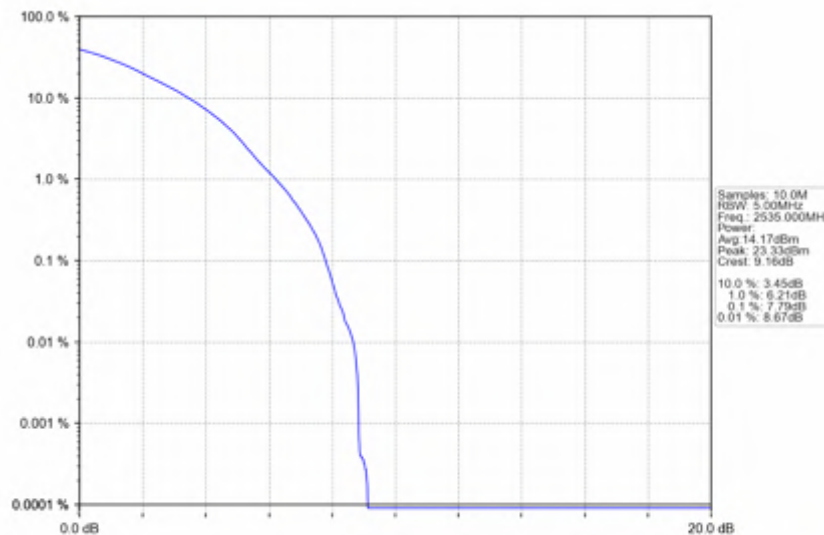
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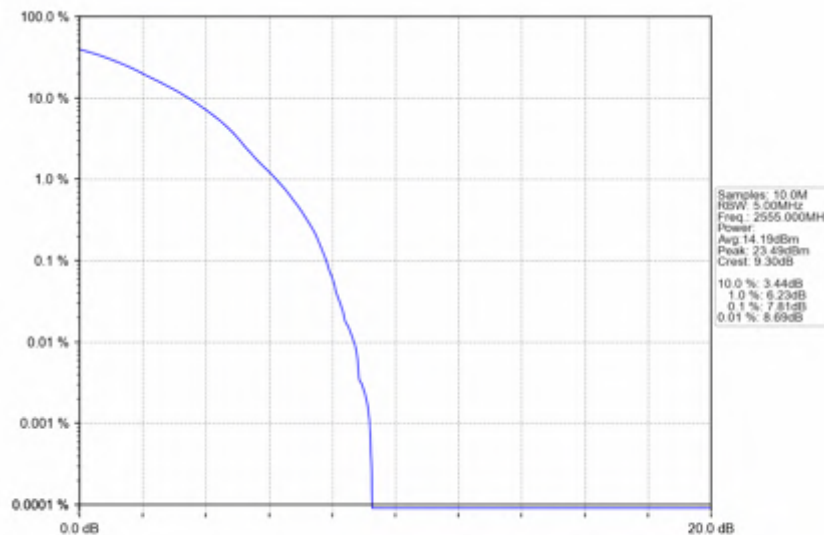
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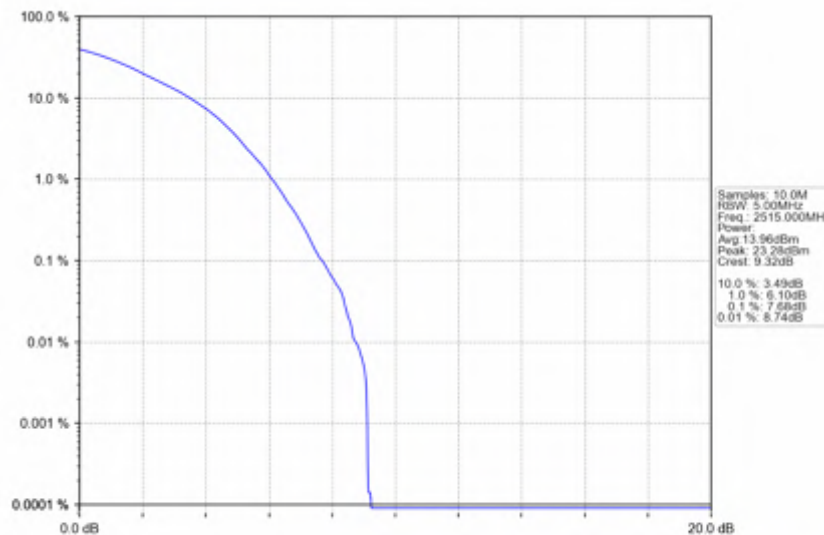
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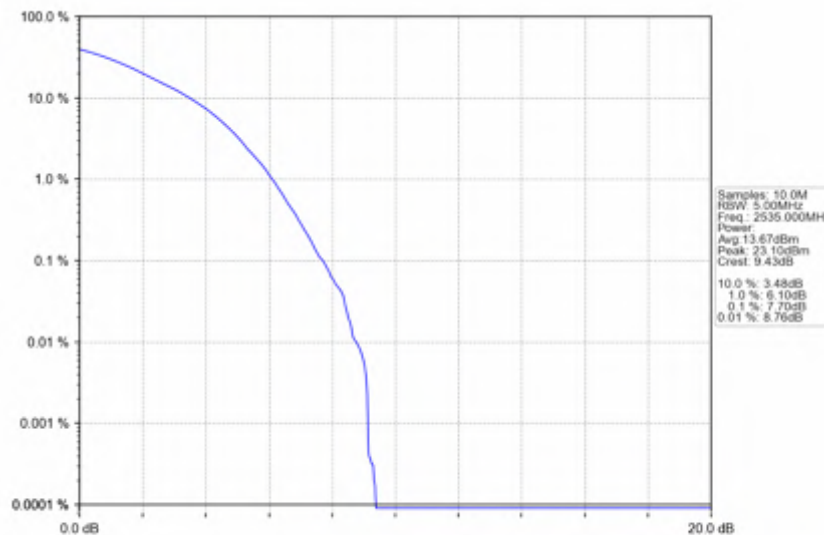
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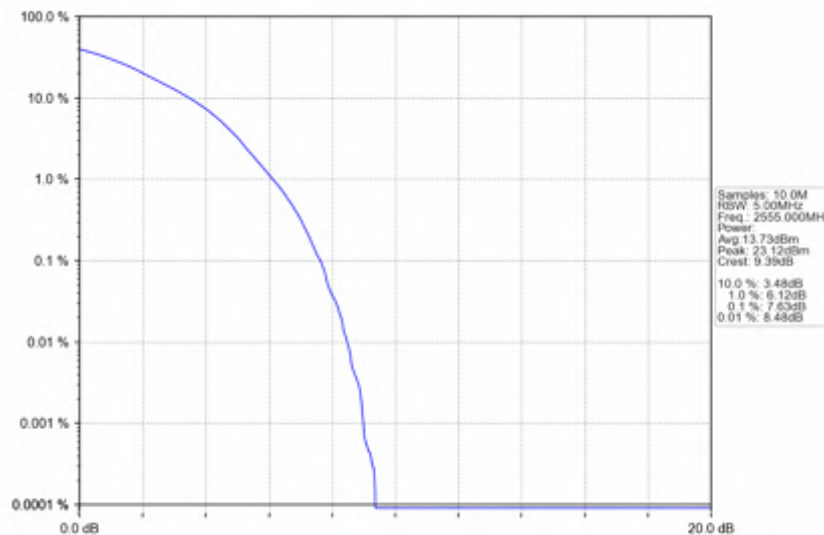
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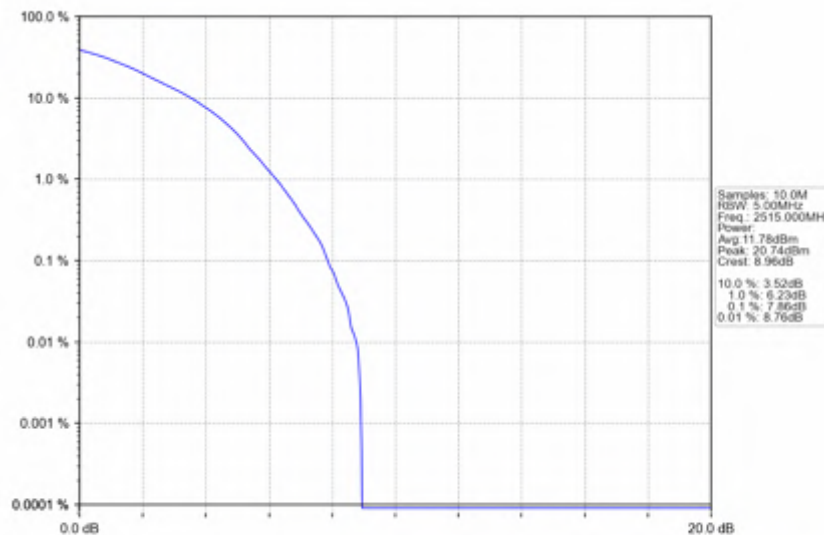
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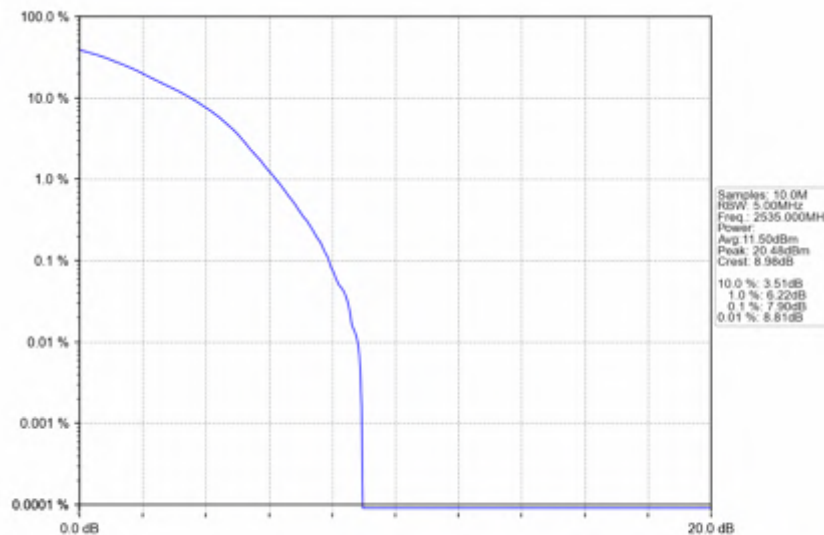
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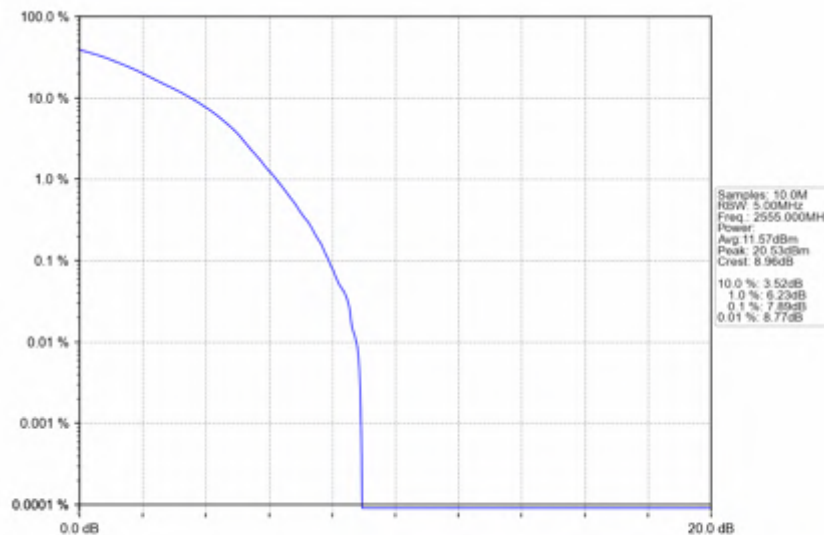
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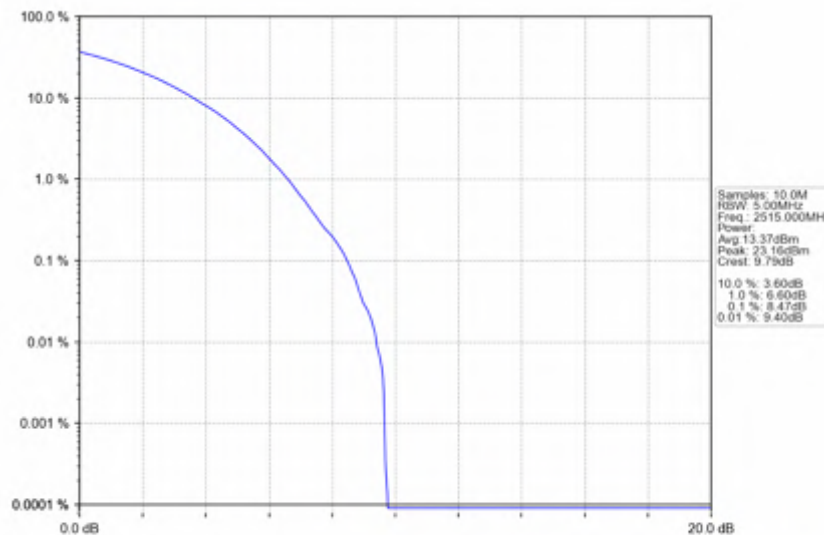
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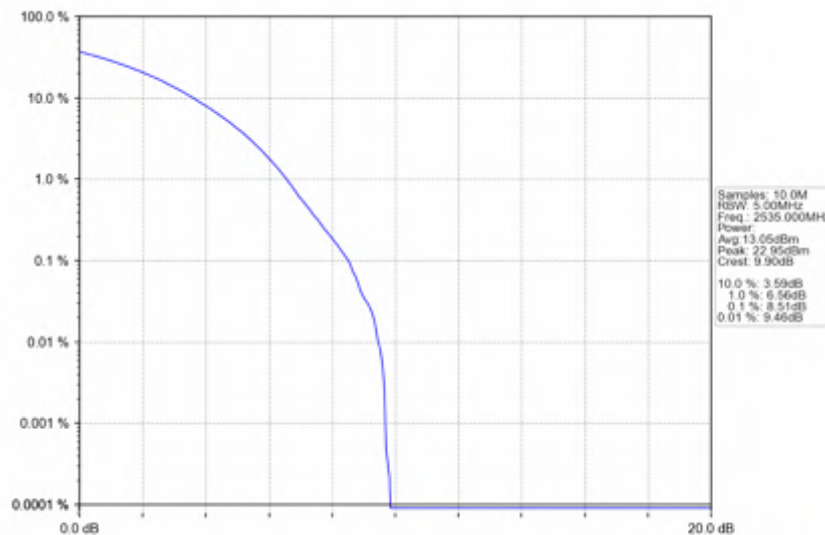


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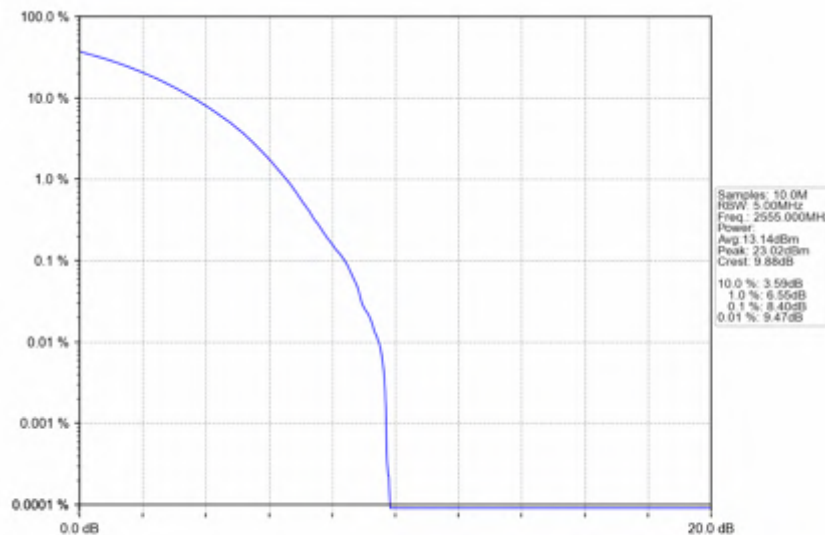
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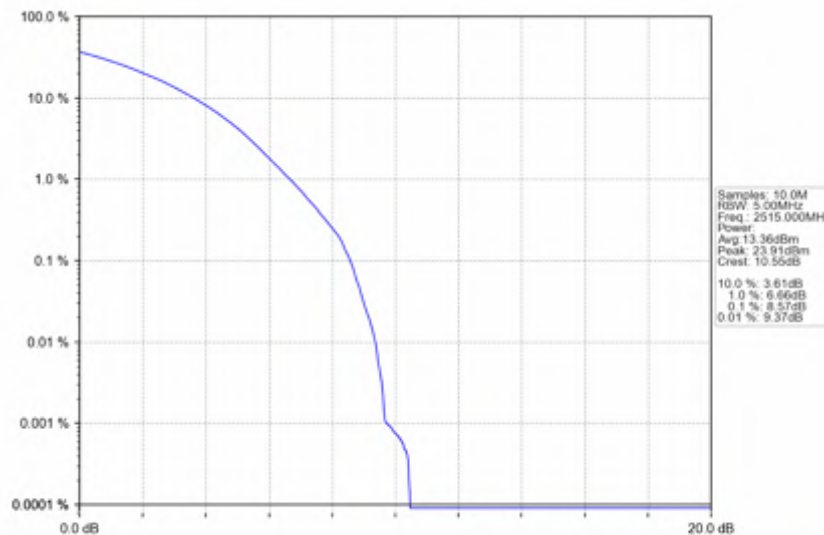
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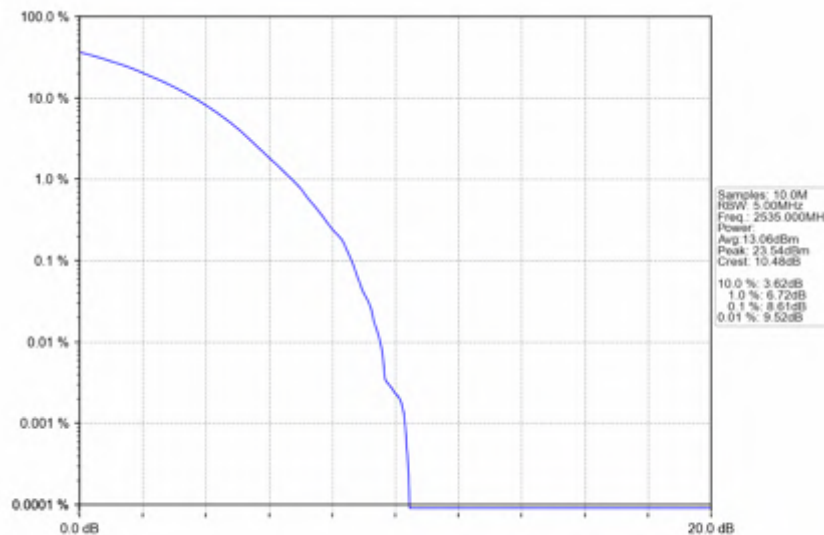
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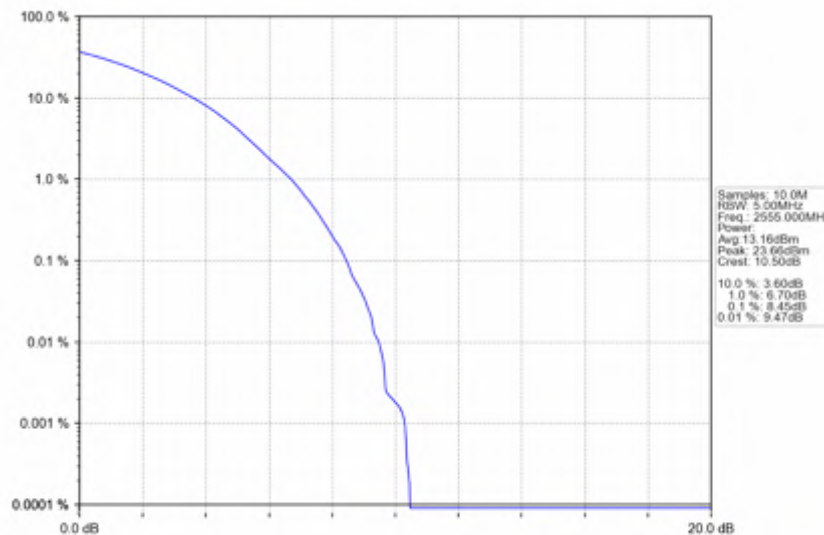


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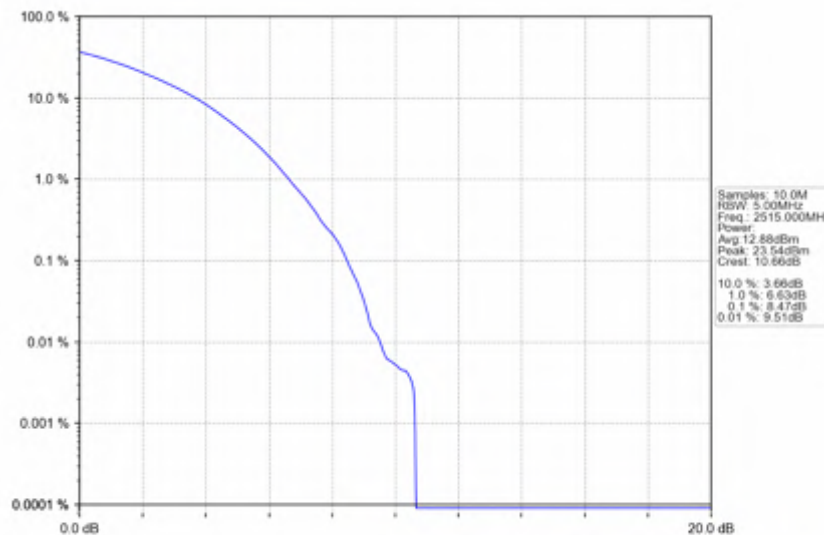
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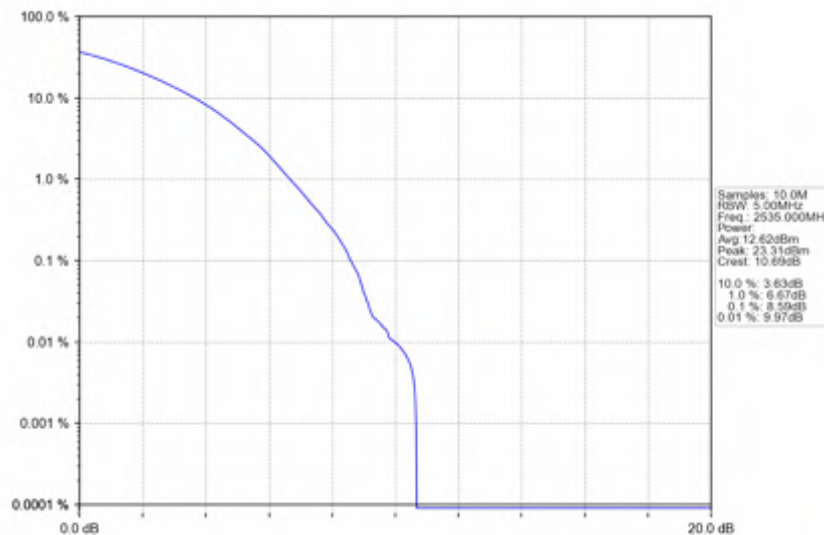


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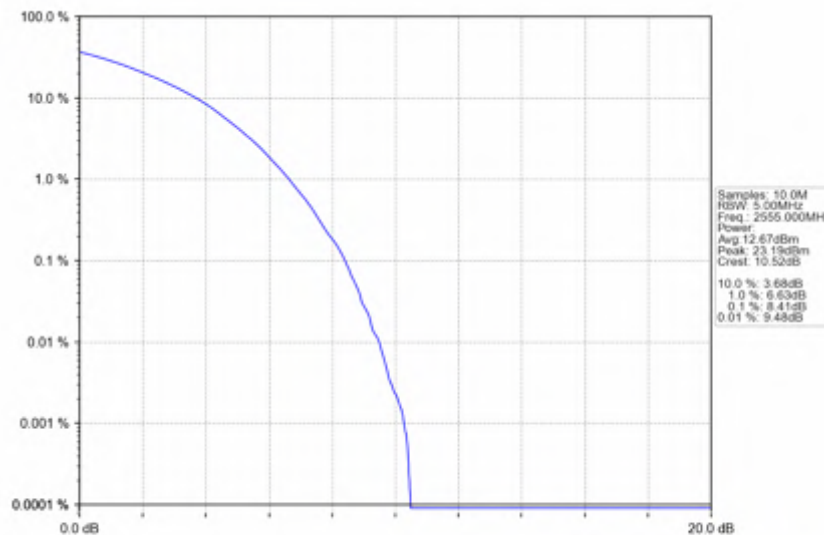
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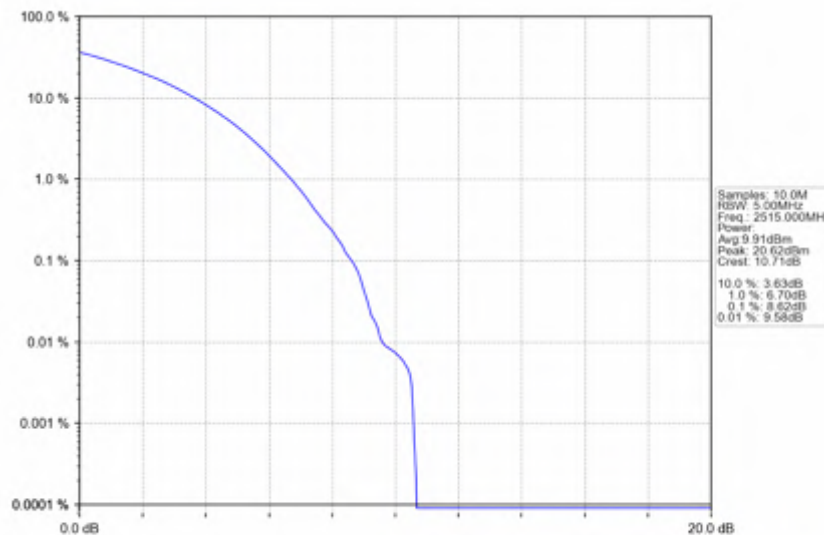


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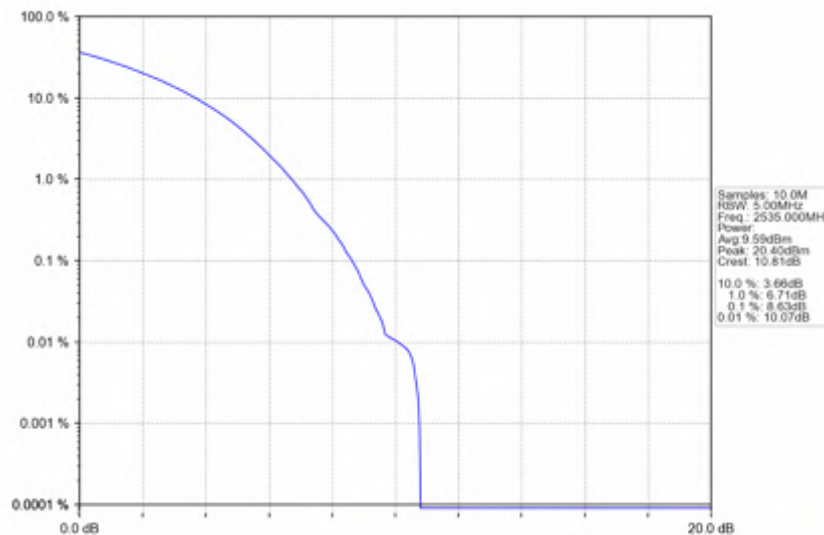
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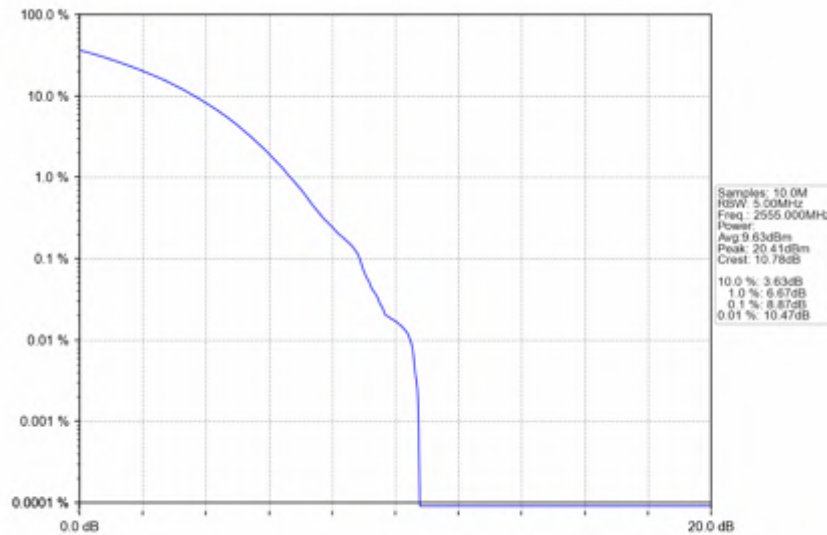


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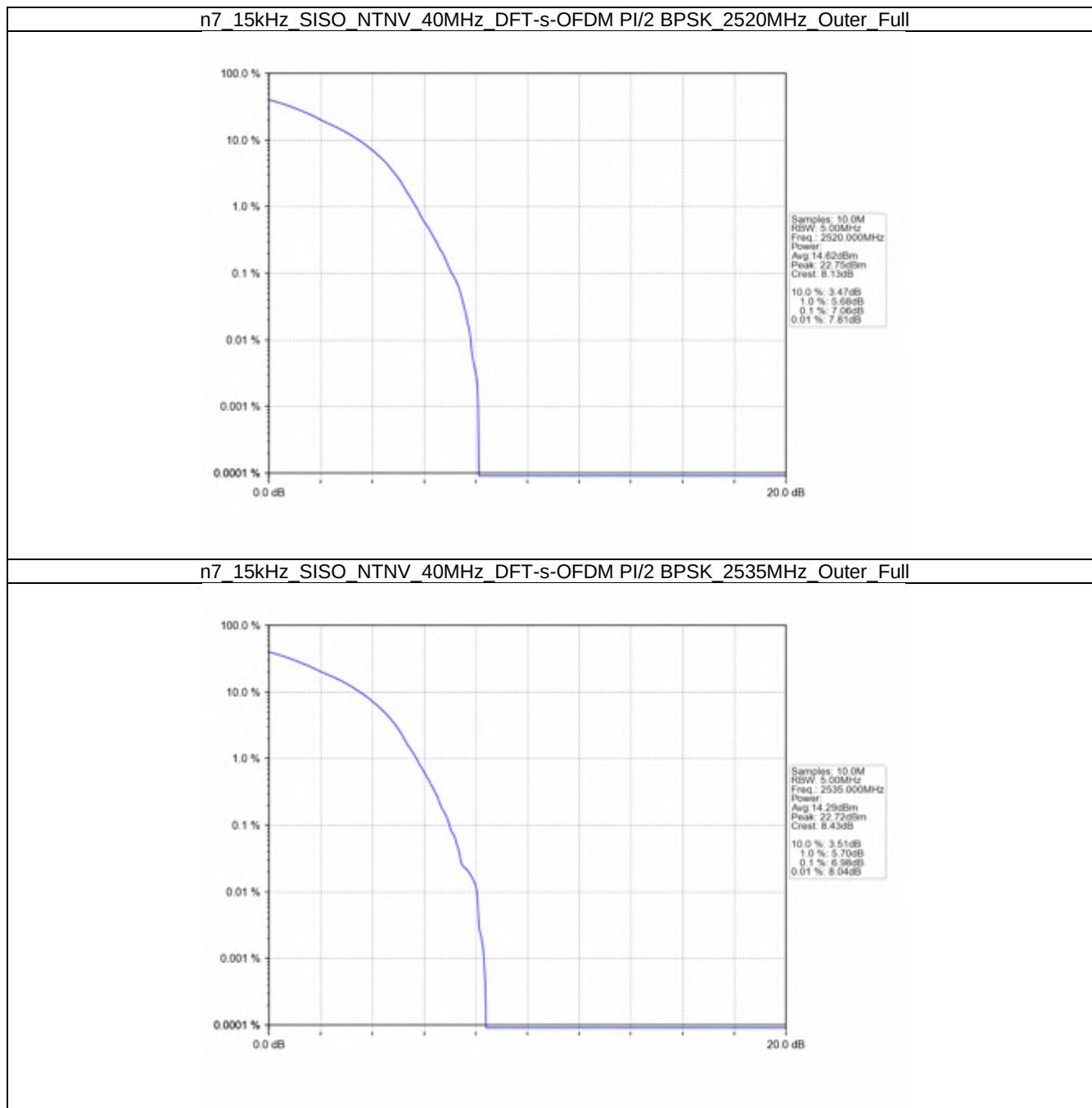
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3.7 15k_SISO_40MHz_NTNV

3.7.1 Test Result

5G NR n7 SCS=15kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2520	Outer_Full	7.06	/	/	<=13	Pass
	2535	Outer_Full	6.98	/	/	<=13	Pass
	2550	Outer_Full	6.90	/	/	<=13	Pass
DFT-s-OFDM QPSK	2520	Outer_Full	7.80	/	/	<=13	Pass
	2535	Outer_Full	7.72	/	/	<=13	Pass
	2550	Outer_Full	7.84	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2520	Outer_Full	7.76	/	/	<=13	Pass
	2535	Outer_Full	7.79	/	/	<=13	Pass
	2550	Outer_Full	7.63	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2520	Outer_Full	7.65	/	/	<=13	Pass
	2535	Outer_Full	7.64	/	/	<=13	Pass
	2550	Outer_Full	7.61	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2520	Outer_Full	7.95	/	/	<=13	Pass
	2535	Outer_Full	7.97	/	/	<=13	Pass
	2550	Outer_Full	7.93	/	/	<=13	Pass
CP-OFDM QPSK	2520	Outer_Full	8.39	/	/	<=13	Pass
	2535	Outer_Full	8.30	/	/	<=13	Pass
	2550	Outer_Full	8.38	/	/	<=13	Pass
CP-OFDM 16 QAM	2520	Outer_Full	8.37	/	/	<=13	Pass
	2535	Outer_Full	8.39	/	/	<=13	Pass
	2550	Outer_Full	8.42	/	/	<=13	Pass
CP-OFDM 64 QAM	2520	Outer_Full	8.55	/	/	<=13	Pass
	2535	Outer_Full	8.59	/	/	<=13	Pass
	2550	Outer_Full	8.61	/	/	<=13	Pass
CP-OFDM 256 QAM	2520	Outer_Full	8.48	/	/	<=13	Pass
	2535	Outer_Full	8.26	/	/	<=13	Pass
	2550	Outer_Full	8.58	/	/	<=13	Pass

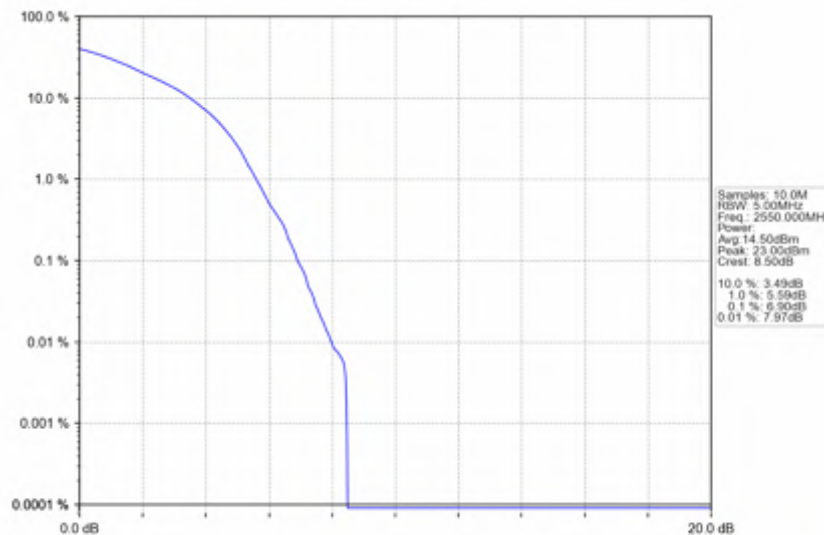
3.7.2 Test Graph



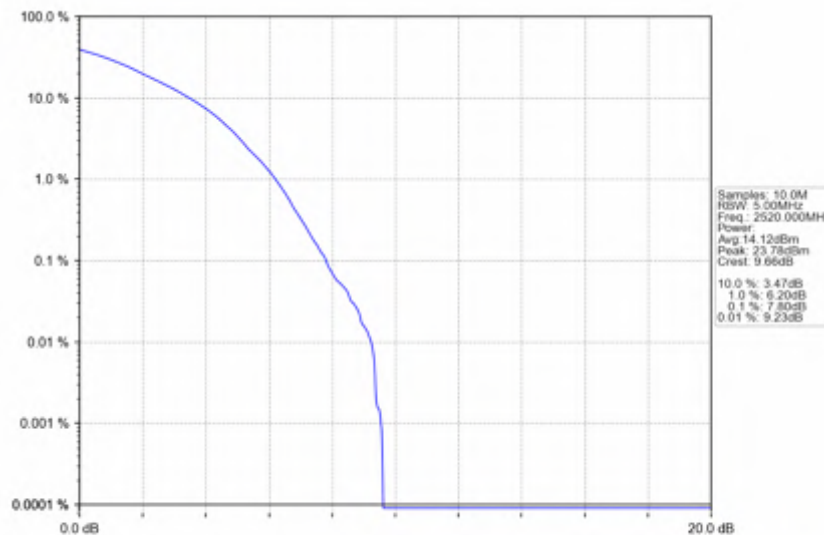
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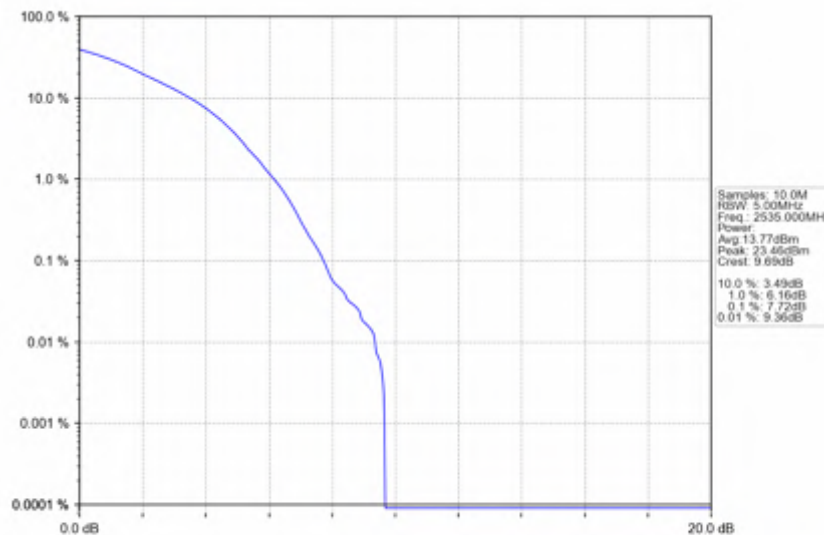
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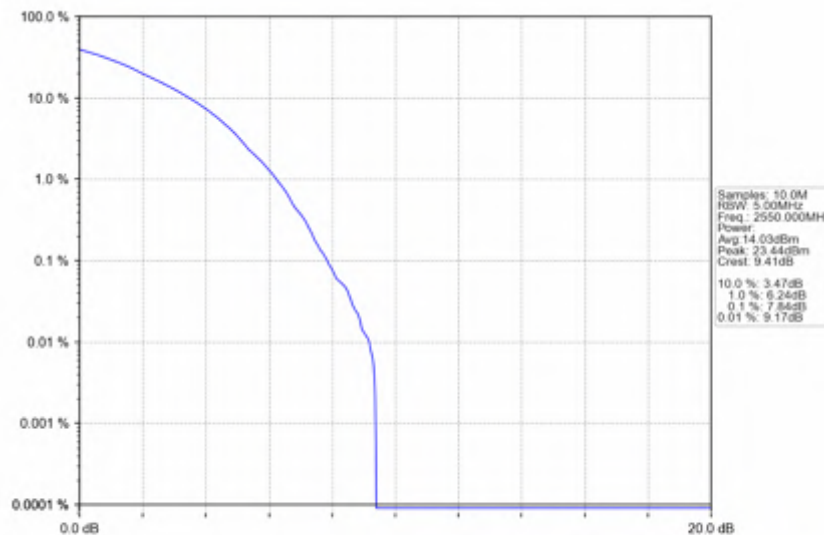
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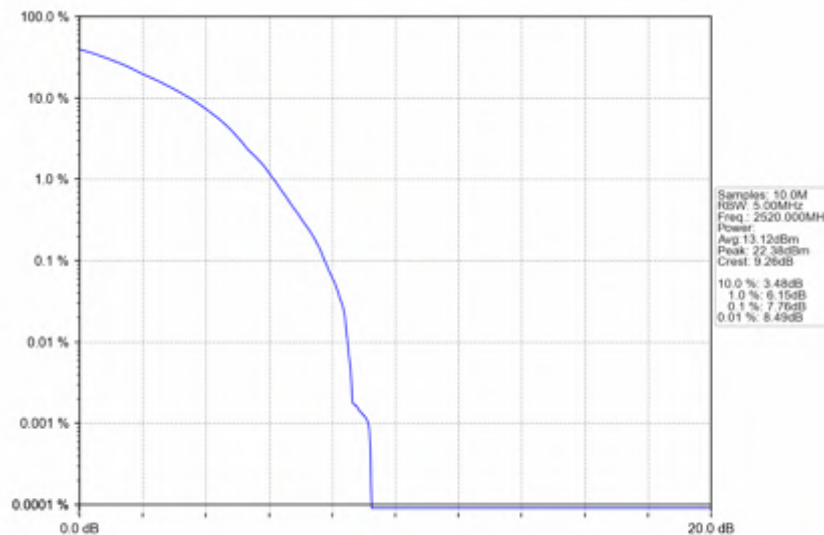
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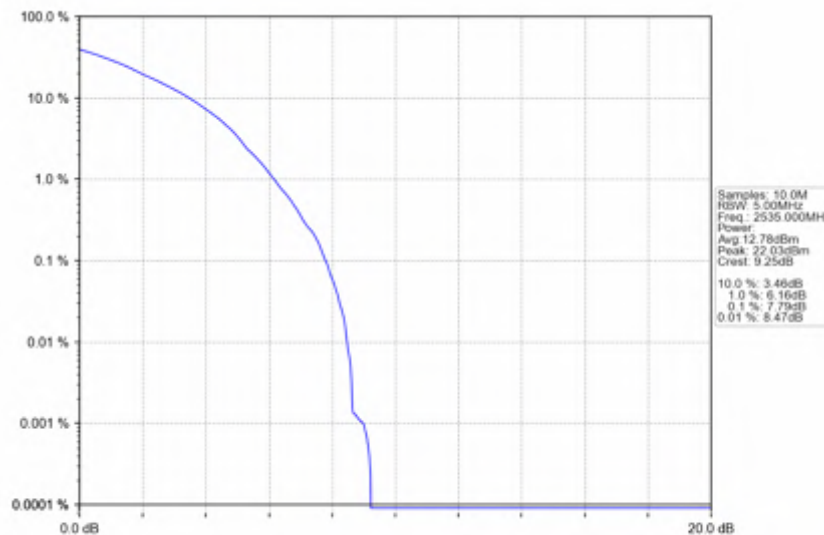
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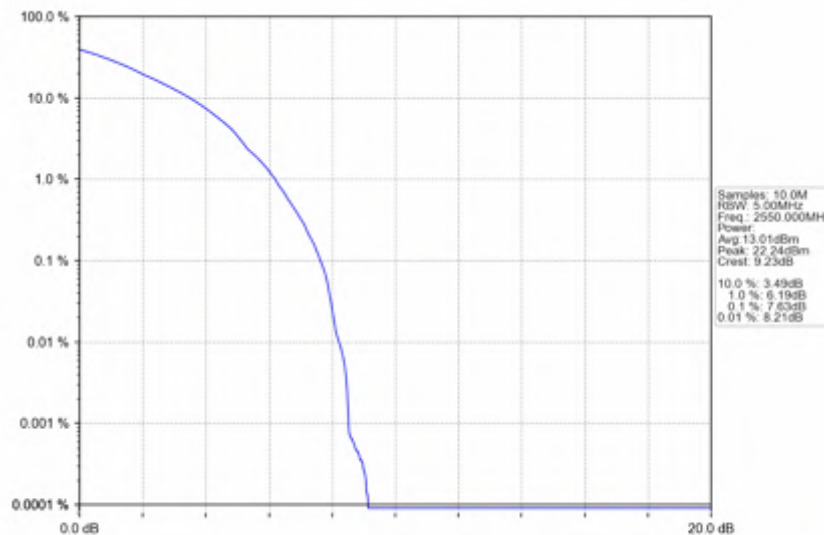


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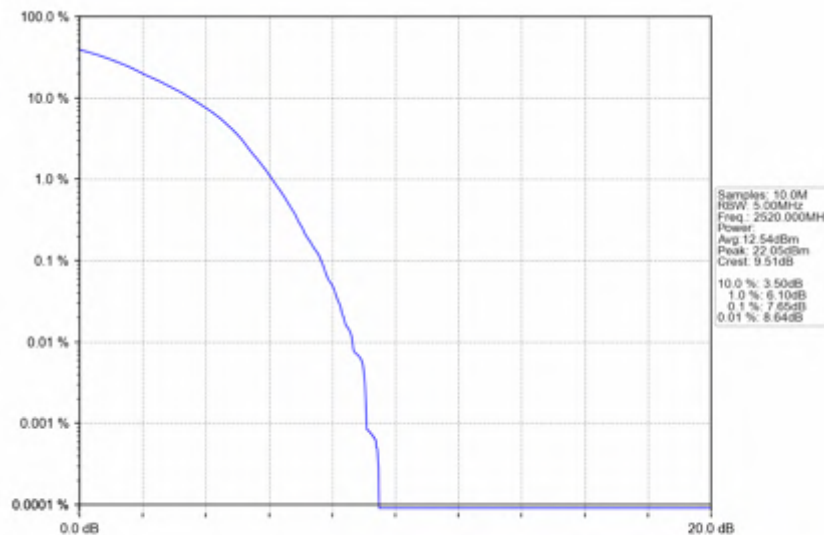
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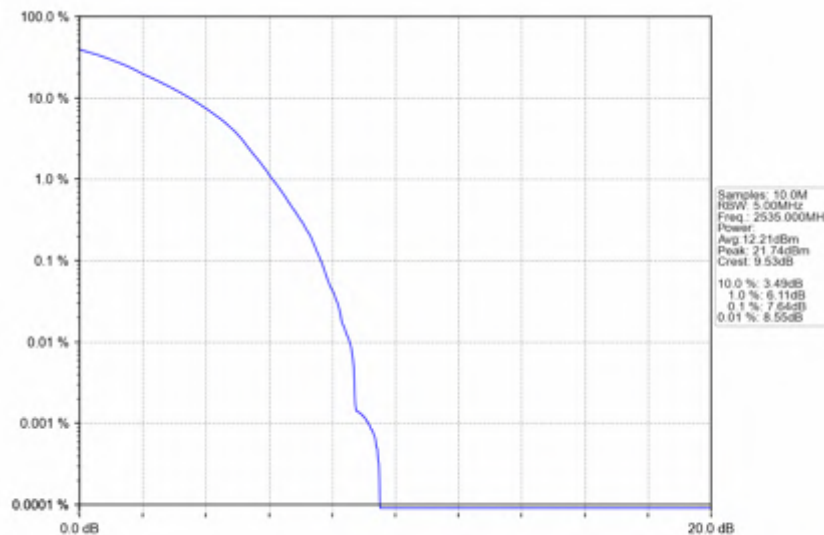
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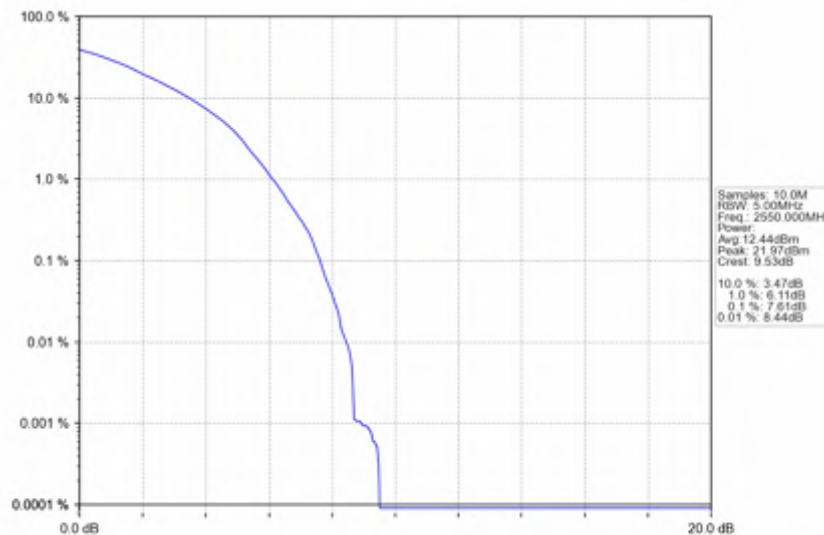
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n7_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_64_QAM_2535MHz_Outer_Full



n7_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_64_QAM_2550MHz_Outer_Full

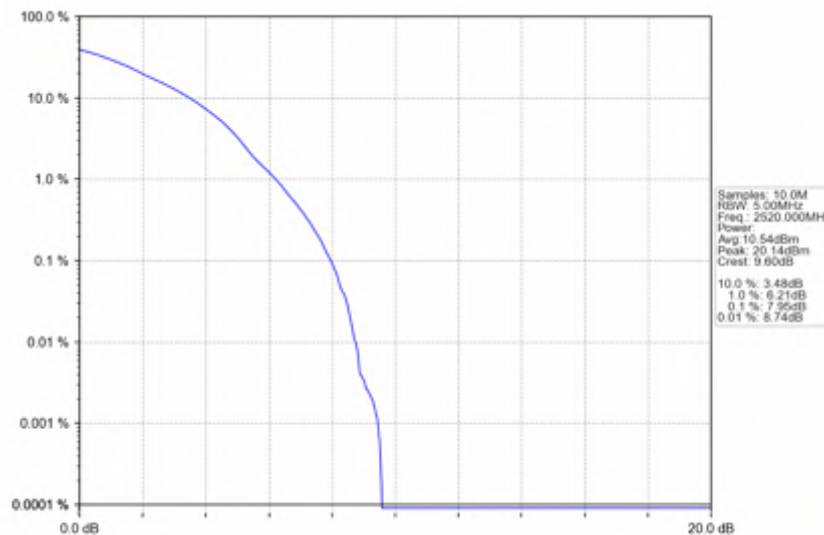


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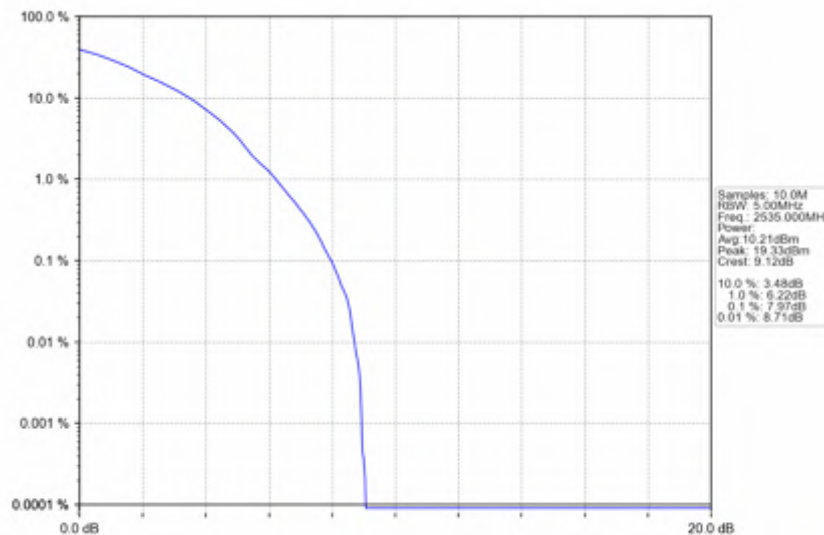
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n7_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_2520MHz_Outer_Full



n7_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full



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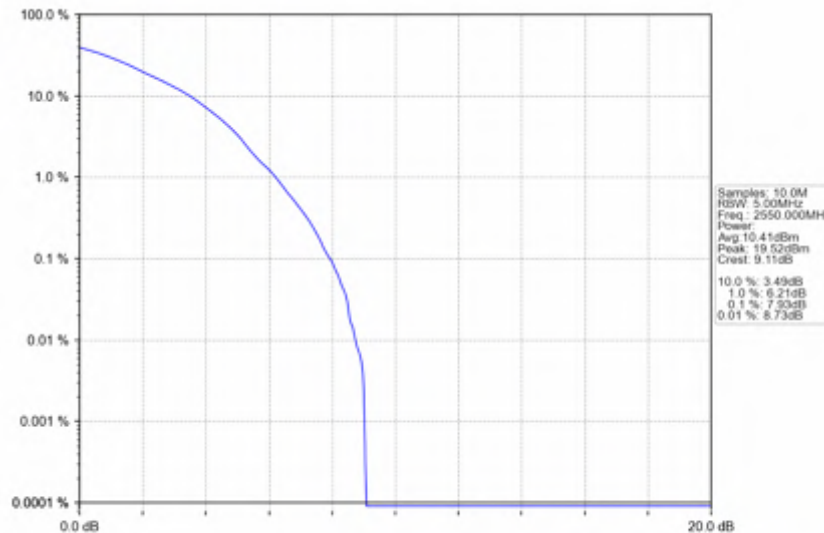
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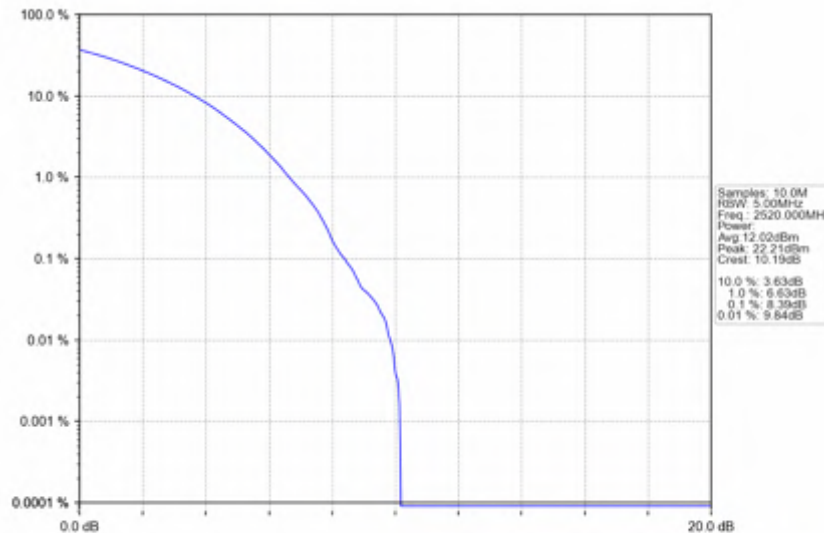
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n7_15kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_2520MHz_Outer_Full

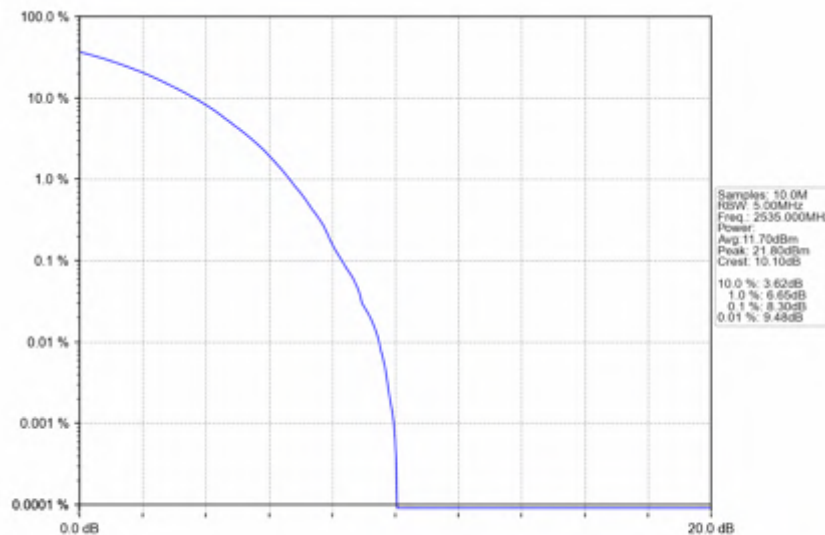


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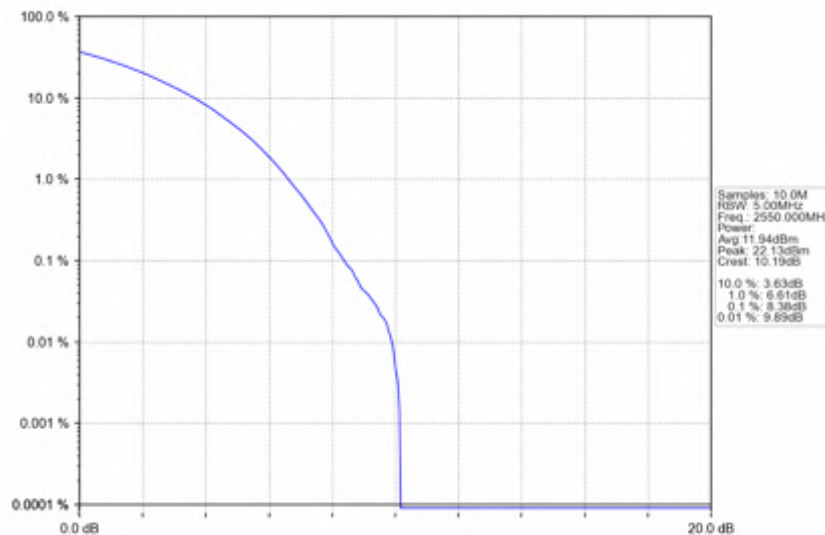
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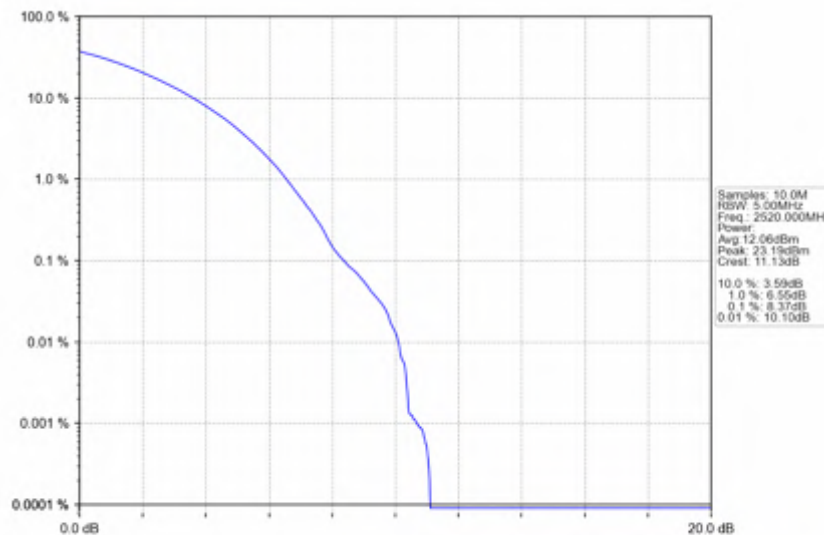


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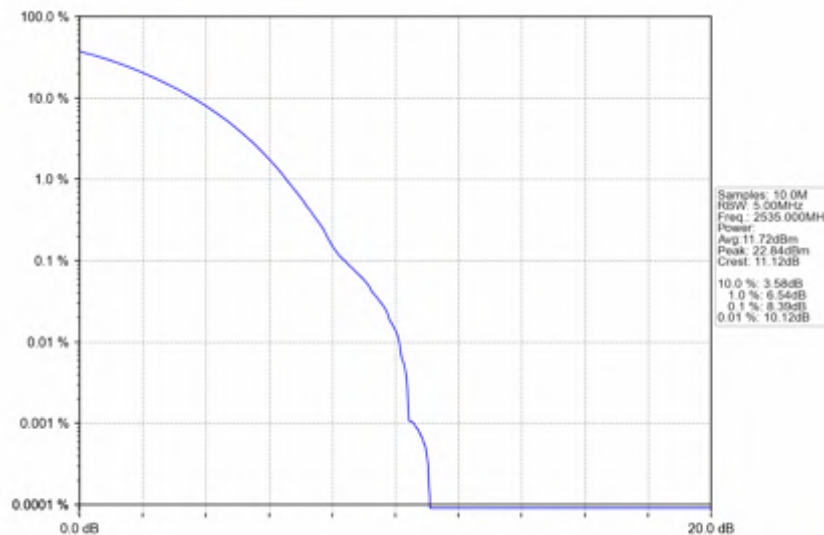
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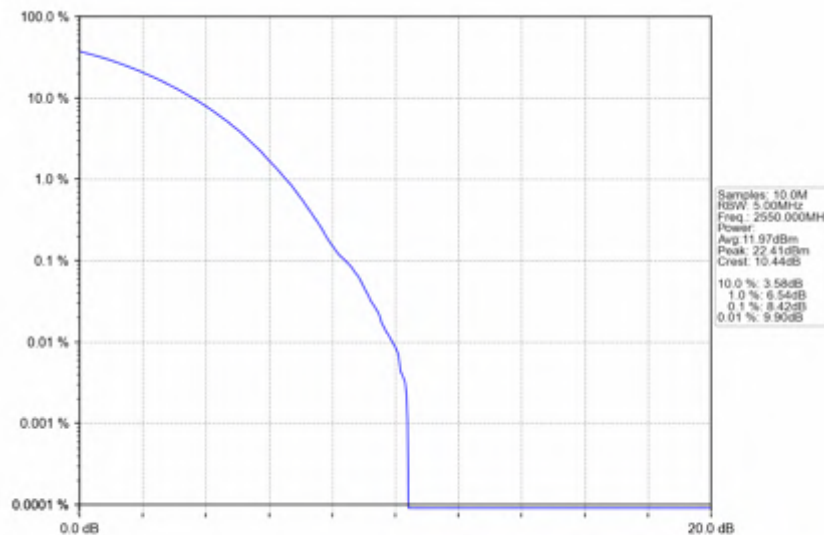


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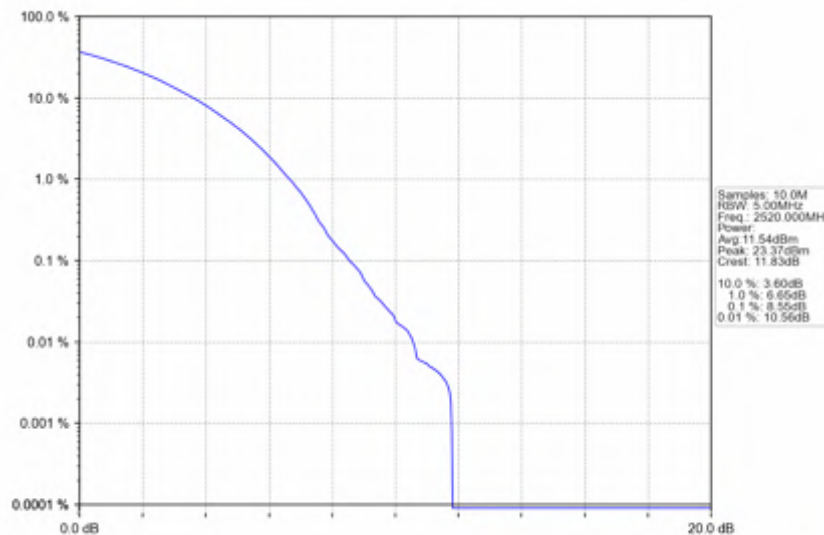
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n7_15kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_2550MHz_Outer_Full



n7_15kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_2520MHz_Outer_Full



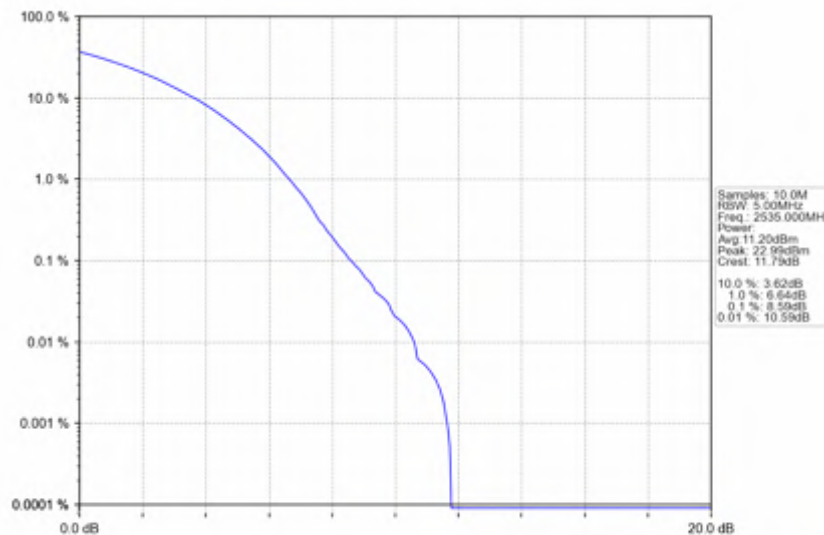
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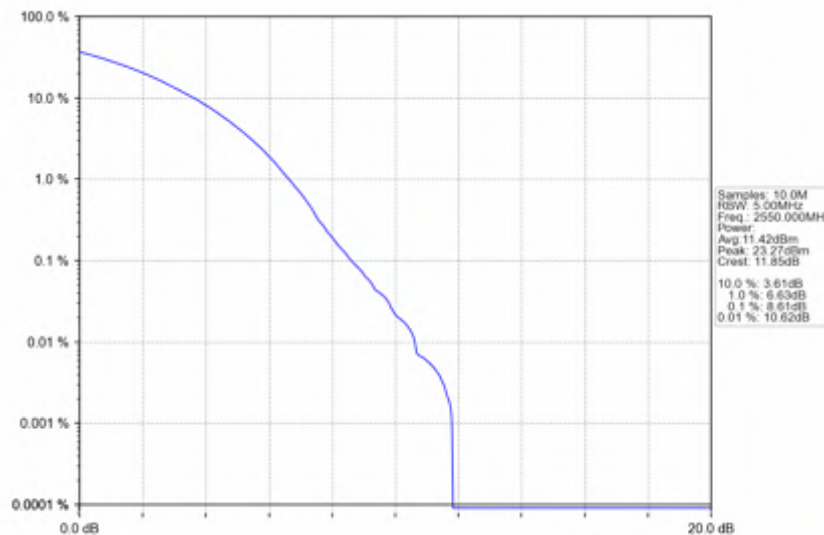
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n7_15kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_2550MHz_Outer_Full

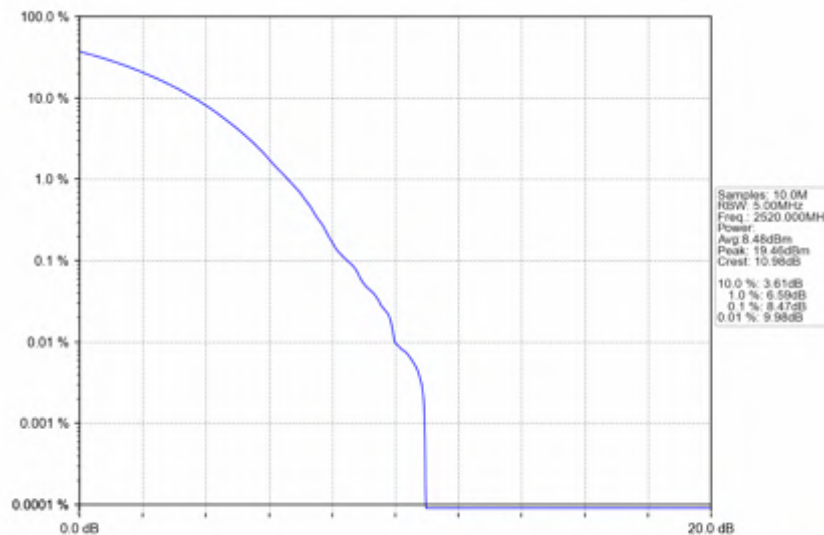


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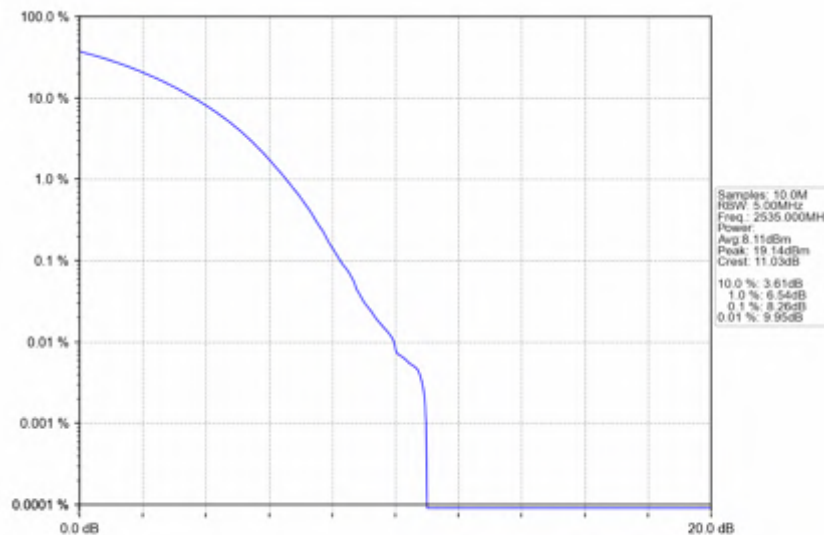
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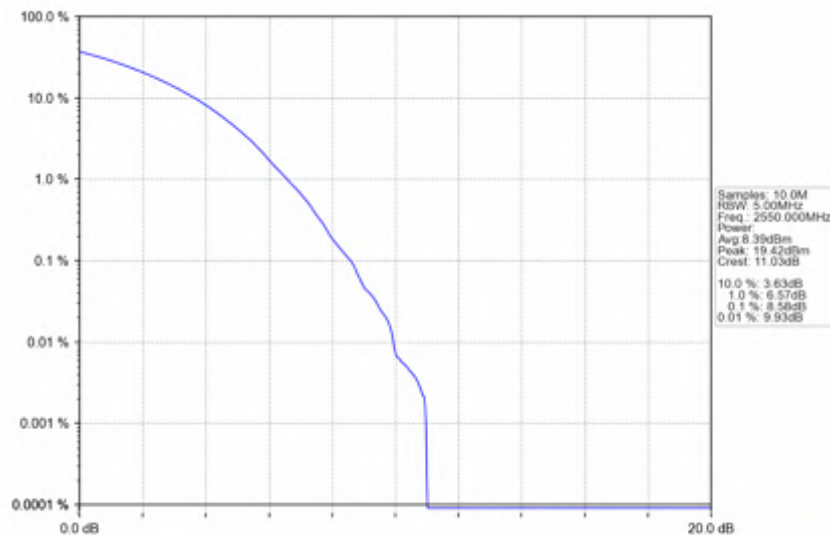
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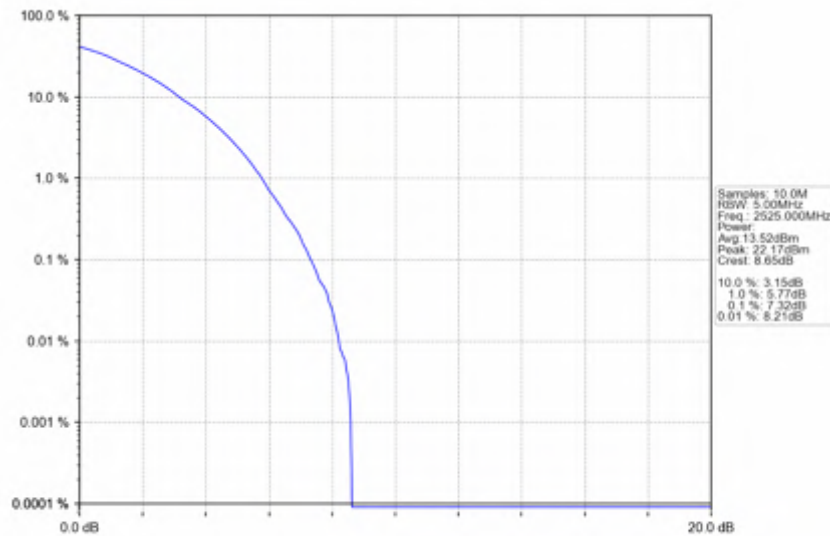
3.8 15k_SISO_50MHz_NTNV

3.8.1 Test Result

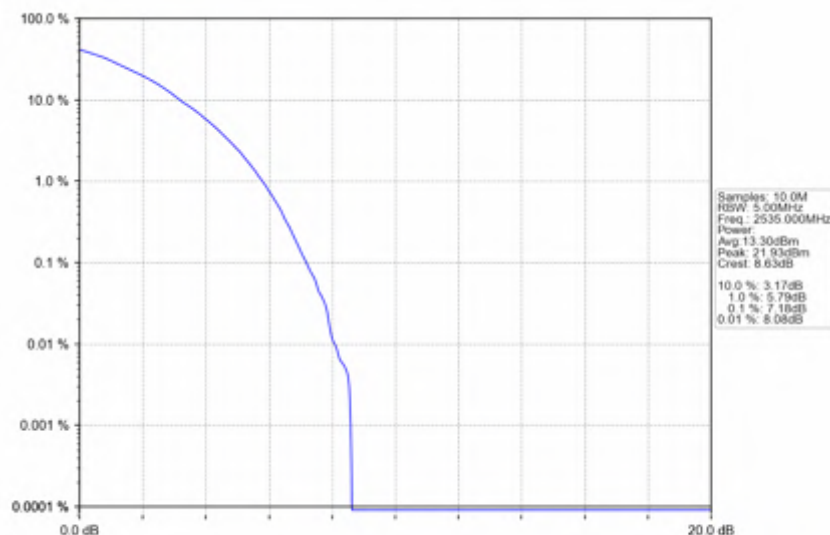
5G NR n7 SCS=15kHz SISO 50MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2525	Outer_Full	7.32	/	/	<=13	Pass
	2535	Outer_Full	7.18	/	/	<=13	Pass
	2545	Outer_Full	7.06	/	/	<=13	Pass
DFT-s-OFDM QPSK	2525	Outer_Full	7.86	/	/	<=13	Pass
	2535	Outer_Full	7.98	/	/	<=13	Pass
	2545	Outer_Full	7.91	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2525	Outer_Full	7.79	/	/	<=13	Pass
	2535	Outer_Full	7.80	/	/	<=13	Pass
	2545	Outer_Full	7.76	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2525	Outer_Full	8.17	/	/	<=13	Pass
	2535	Outer_Full	8.19	/	/	<=13	Pass
	2545	Outer_Full	8.19	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2525	Outer_Full	7.81	/	/	<=13	Pass
	2535	Outer_Full	7.89	/	/	<=13	Pass
	2545	Outer_Full	7.90	/	/	<=13	Pass
CP-OFDM QPSK	2525	Outer_Full	8.26	/	/	<=13	Pass
	2535	Outer_Full	8.24	/	/	<=13	Pass
	2545	Outer_Full	8.38	/	/	<=13	Pass
CP-OFDM 16 QAM	2525	Outer_Full	8.14	/	/	<=13	Pass
	2535	Outer_Full	8.30	/	/	<=13	Pass
	2545	Outer_Full	8.58	/	/	<=13	Pass
CP-OFDM 64 QAM	2525	Outer_Full	8.52	/	/	<=13	Pass
	2535	Outer_Full	8.54	/	/	<=13	Pass
	2545	Outer_Full	8.67	/	/	<=13	Pass
CP-OFDM 256 QAM	2525	Outer_Full	8.28	/	/	<=13	Pass
	2535	Outer_Full	8.29	/	/	<=13	Pass
	2545	Outer_Full	8.63	/	/	<=13	Pass

3.8.2 Test Graph

n7_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_2525MHz_Outer_Full



n7_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_2535MHz_Outer_Full



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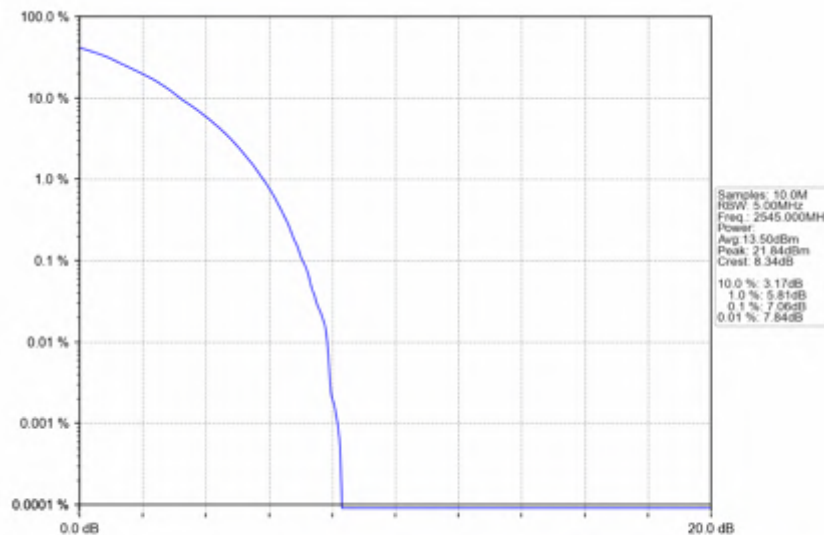
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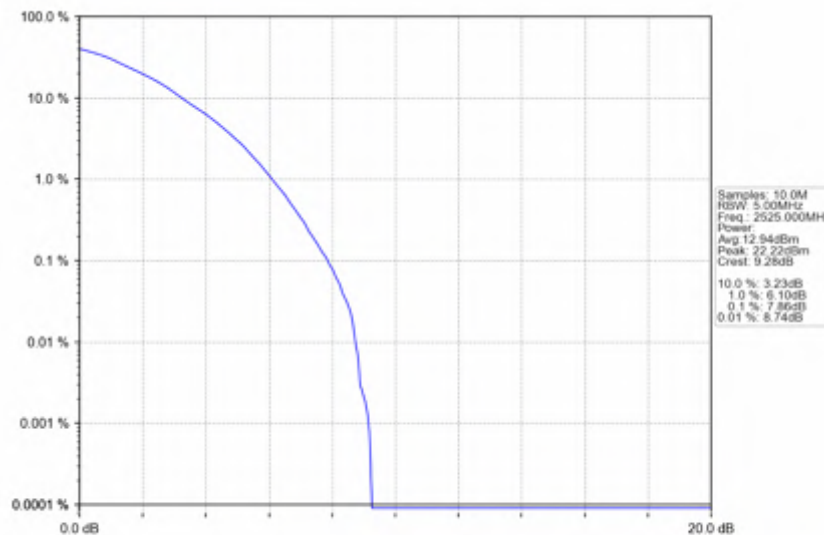
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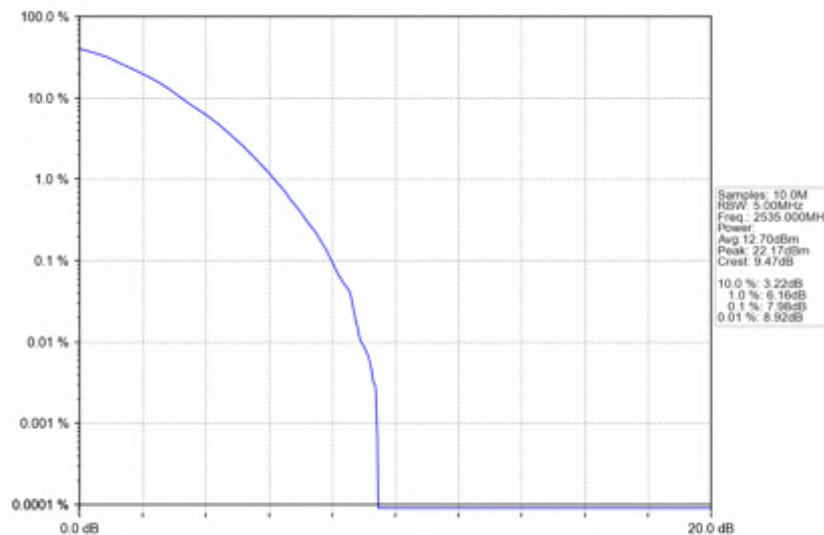


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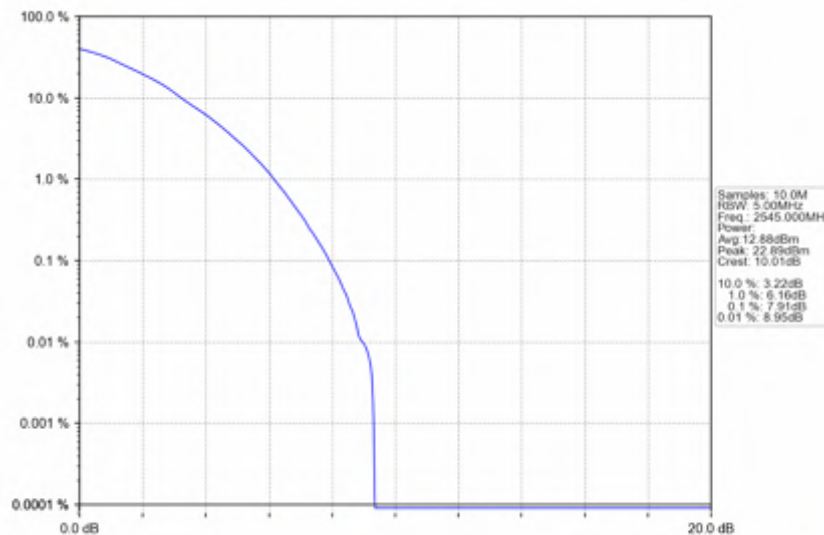
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n7_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_2535MHz_Outer_Full



n7_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_2545MHz_Outer_Full



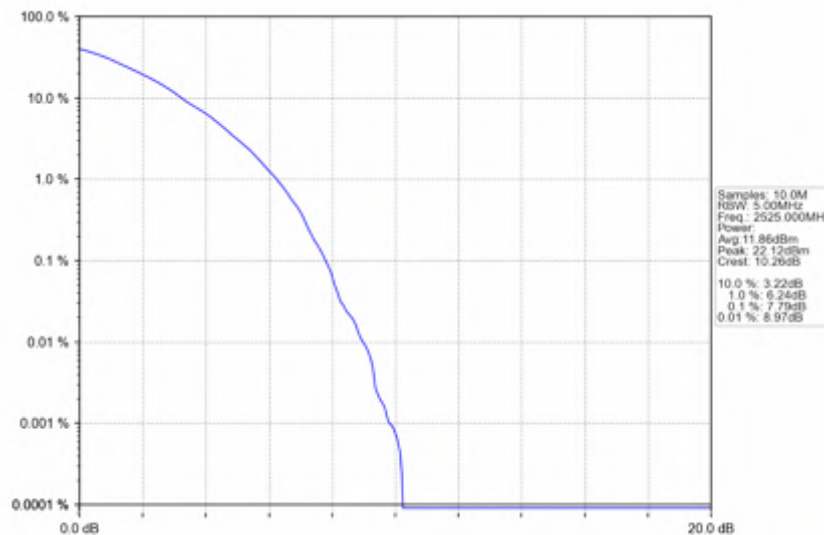
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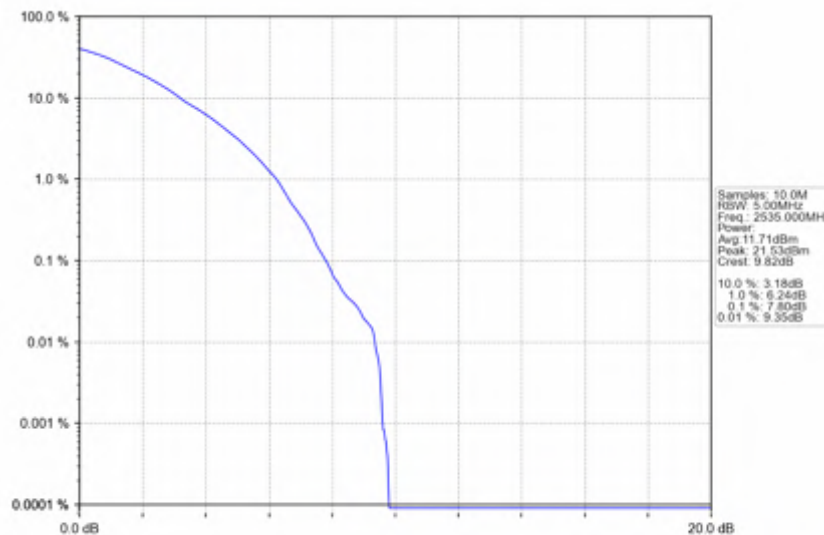
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n7_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_2525MHz_Outer_Full



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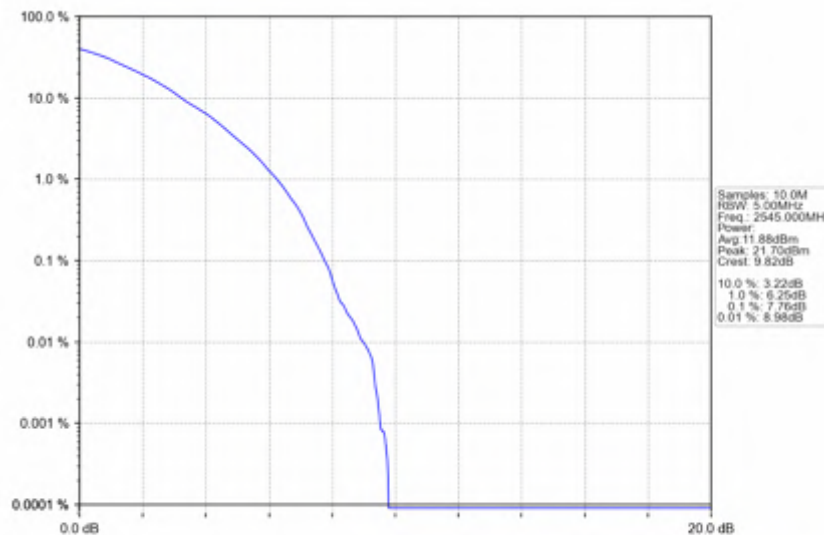
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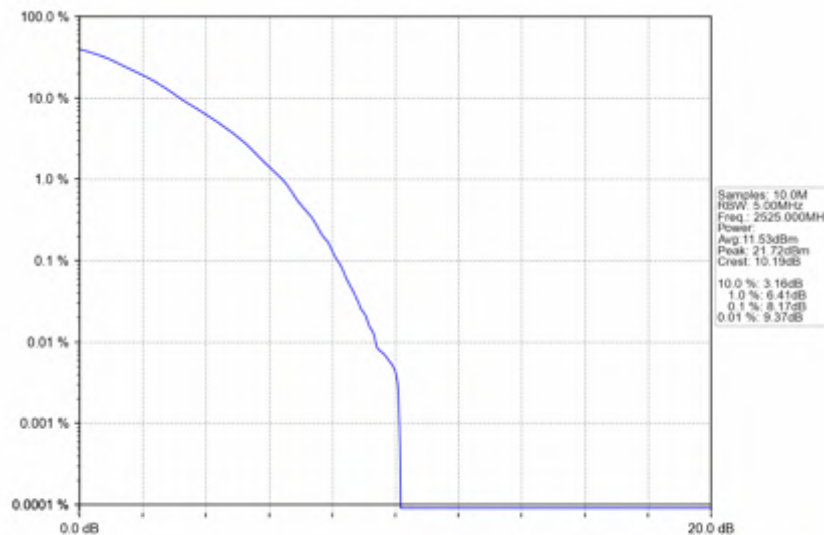
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n7_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64 QAM_2525MHz_Outer_Full



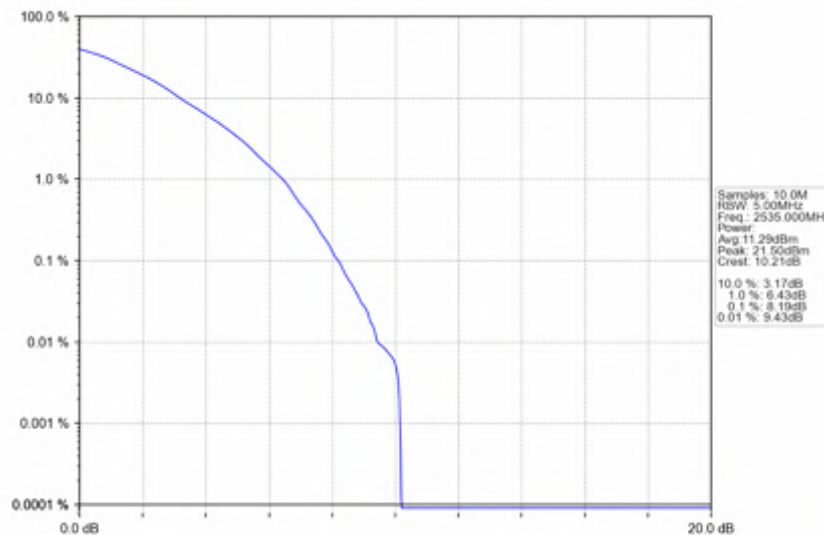
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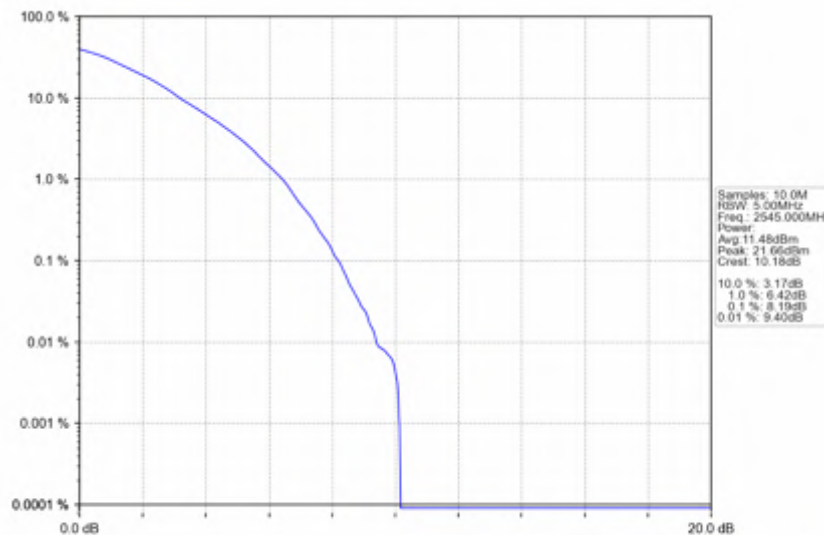
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n7_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64_QAM_2535MHz_Outer_Full



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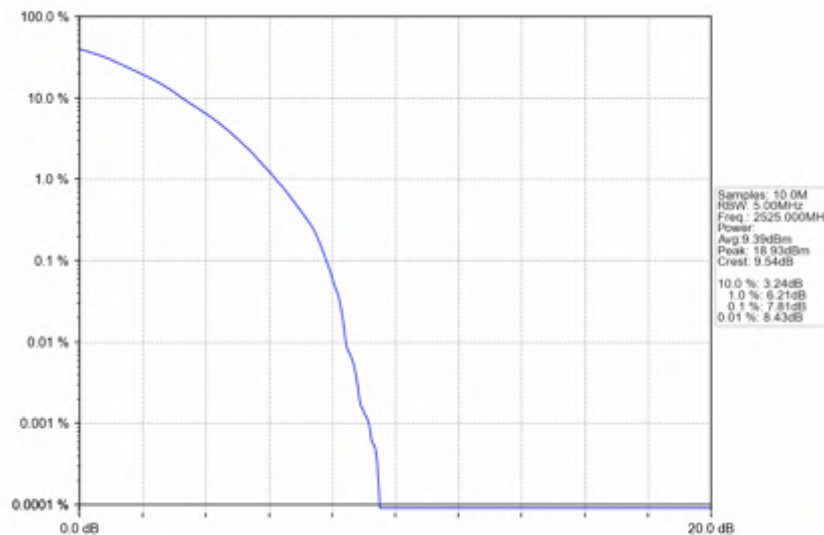
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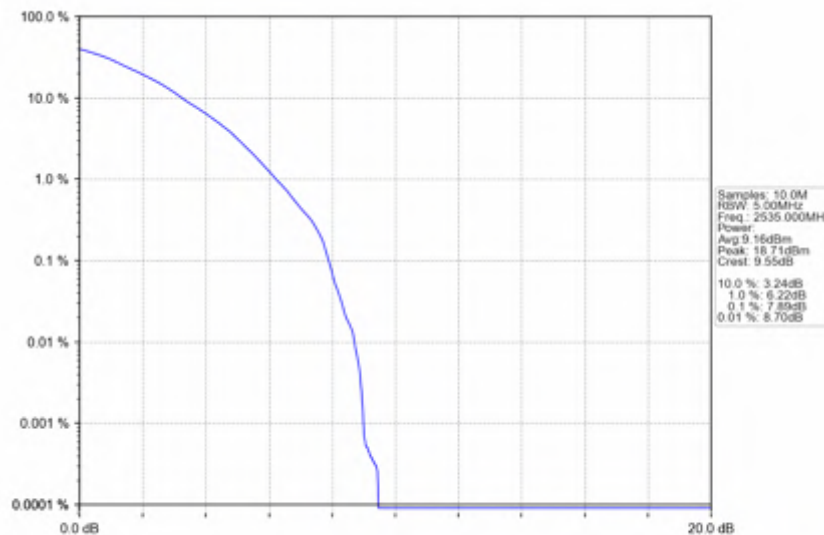
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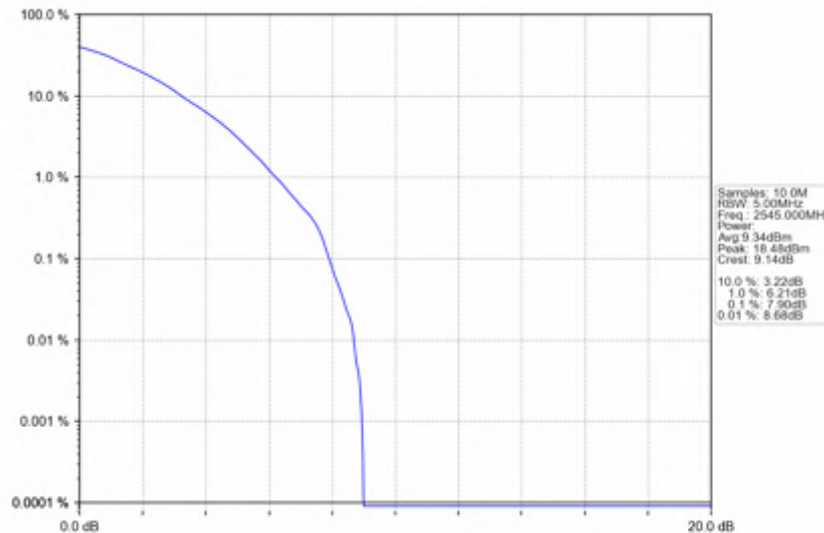
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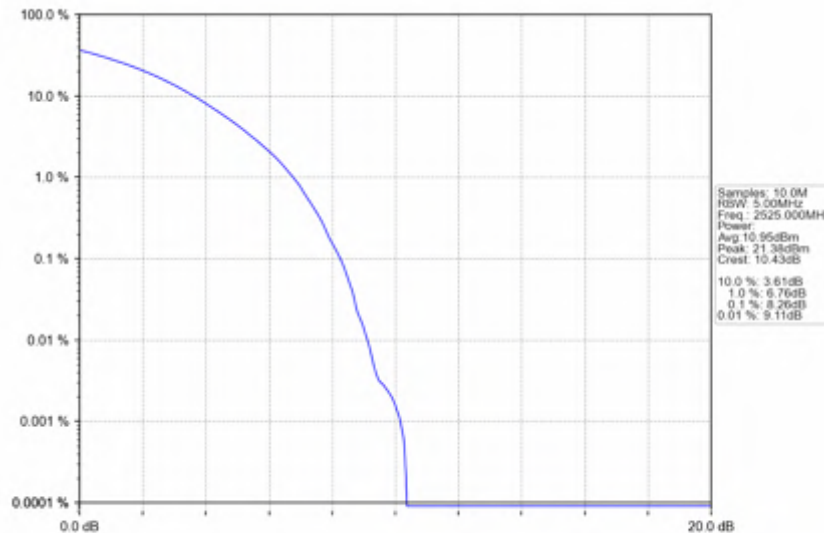
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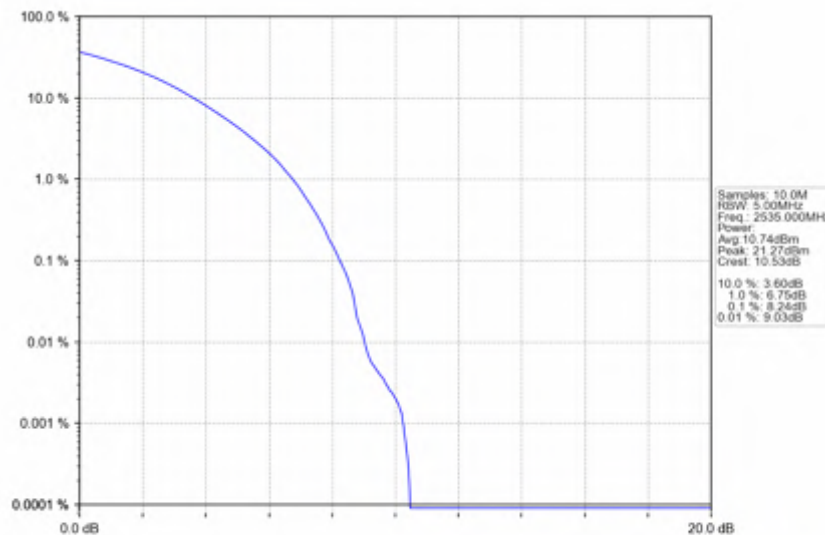
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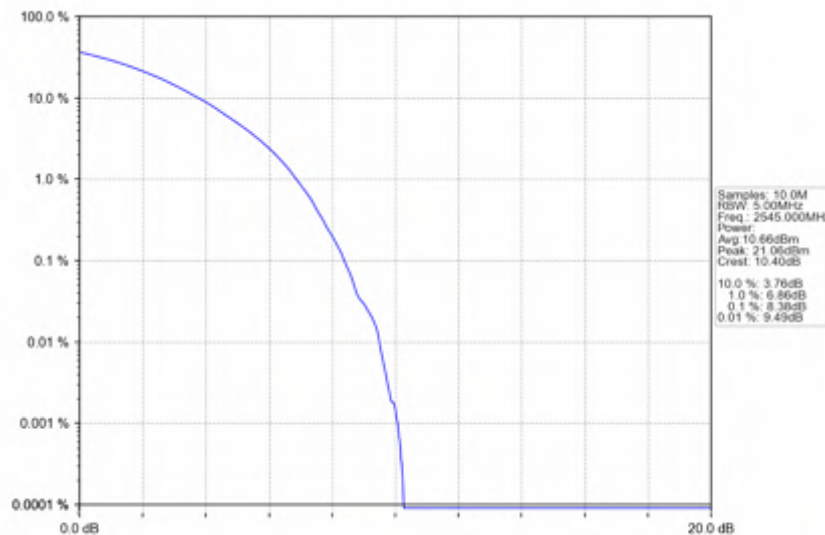
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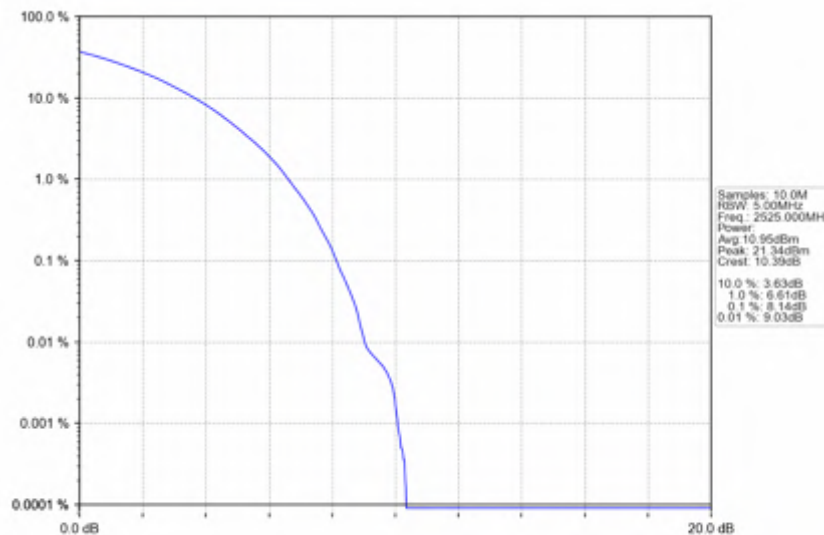


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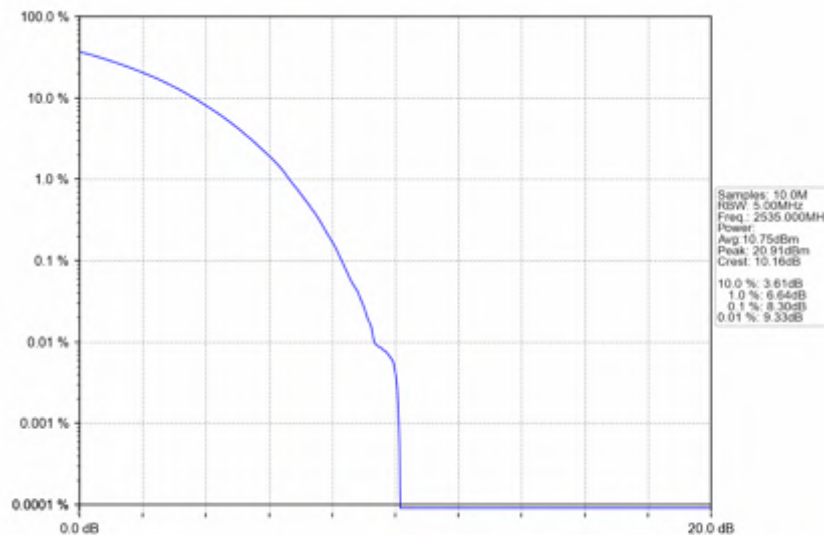
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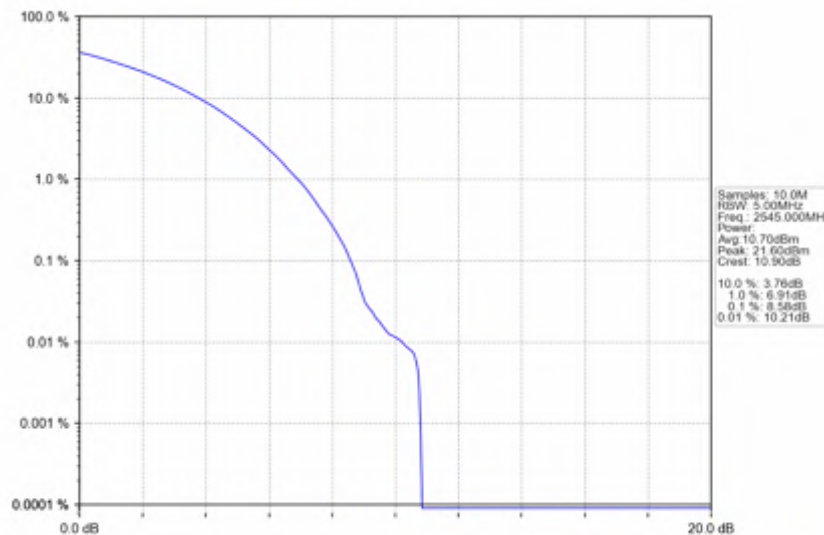


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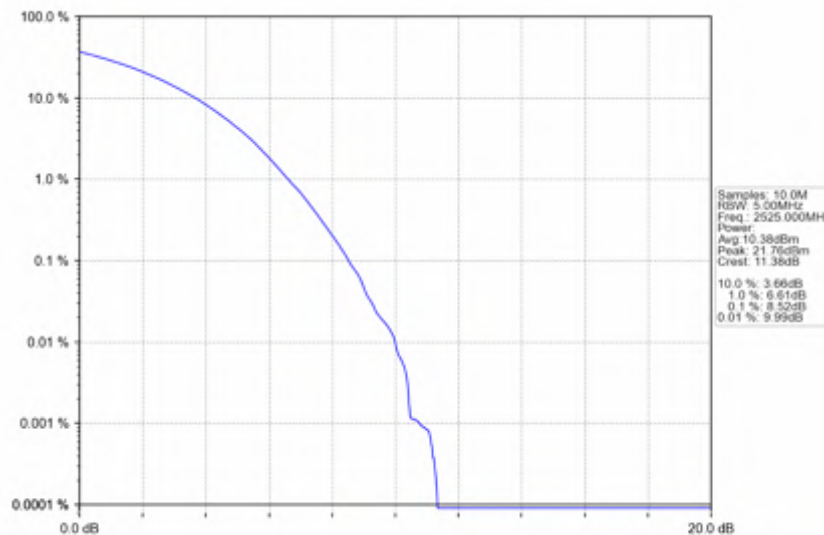
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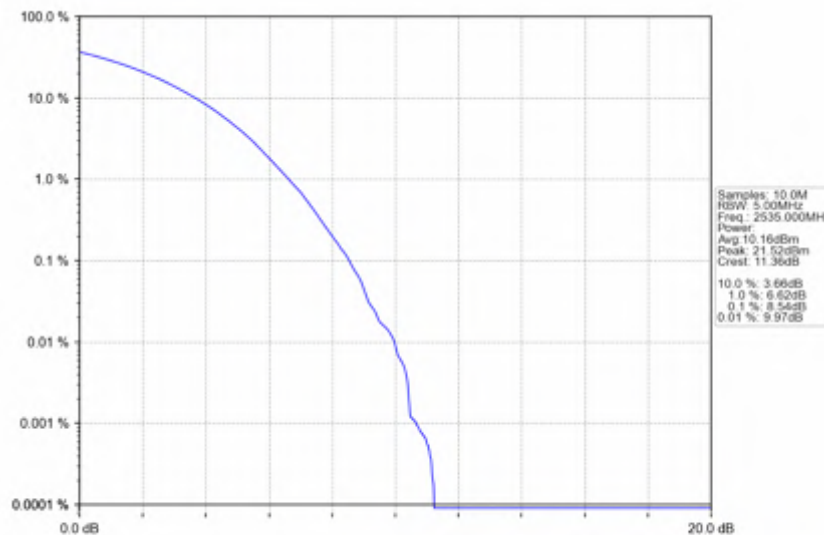
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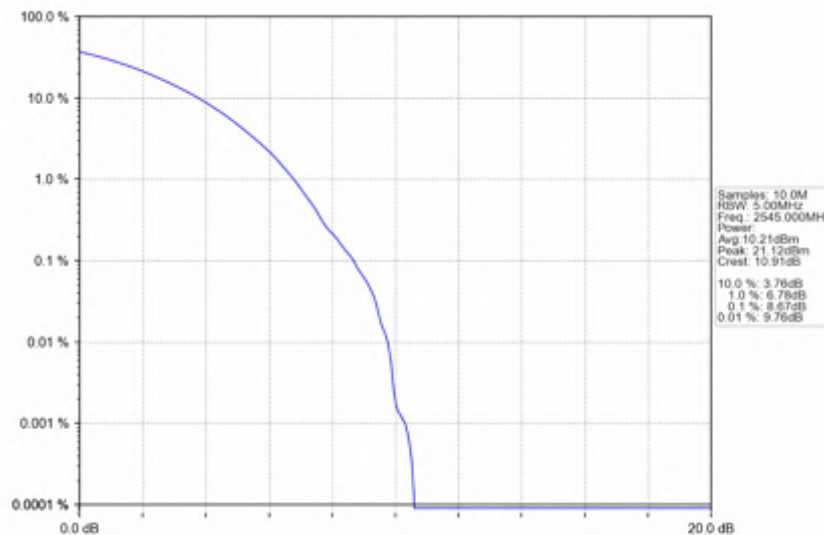
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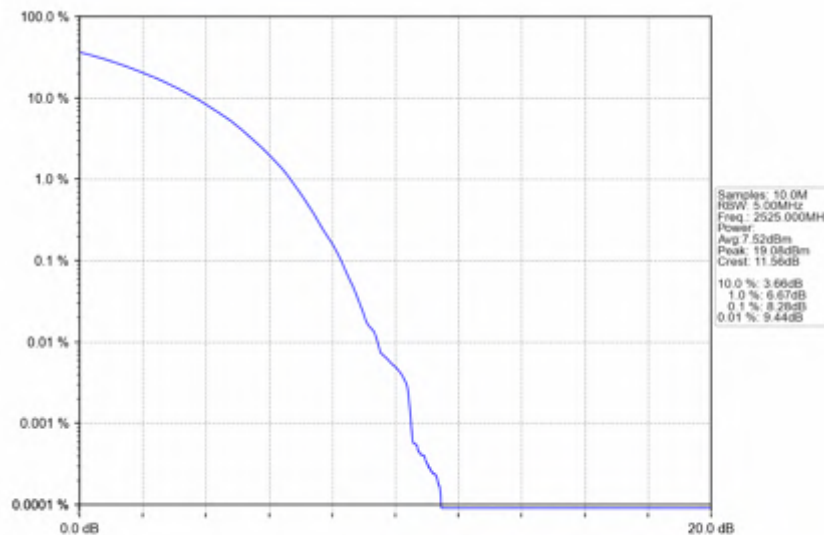
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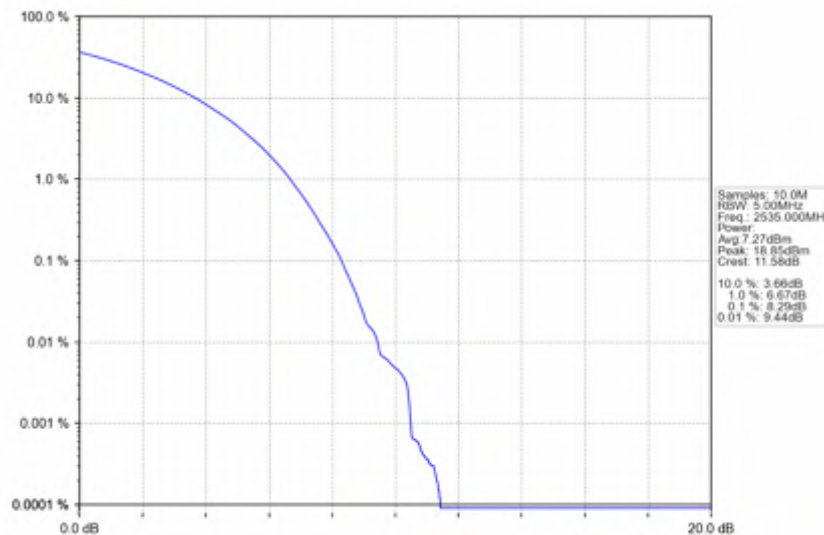
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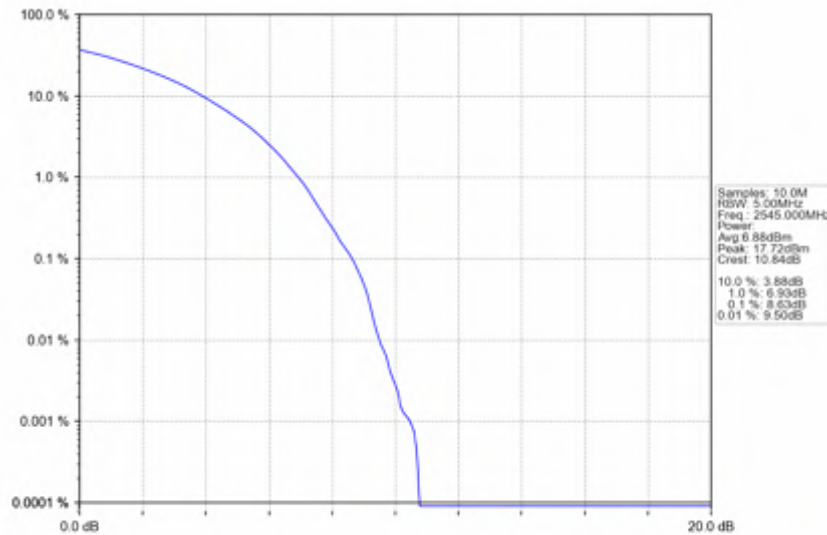


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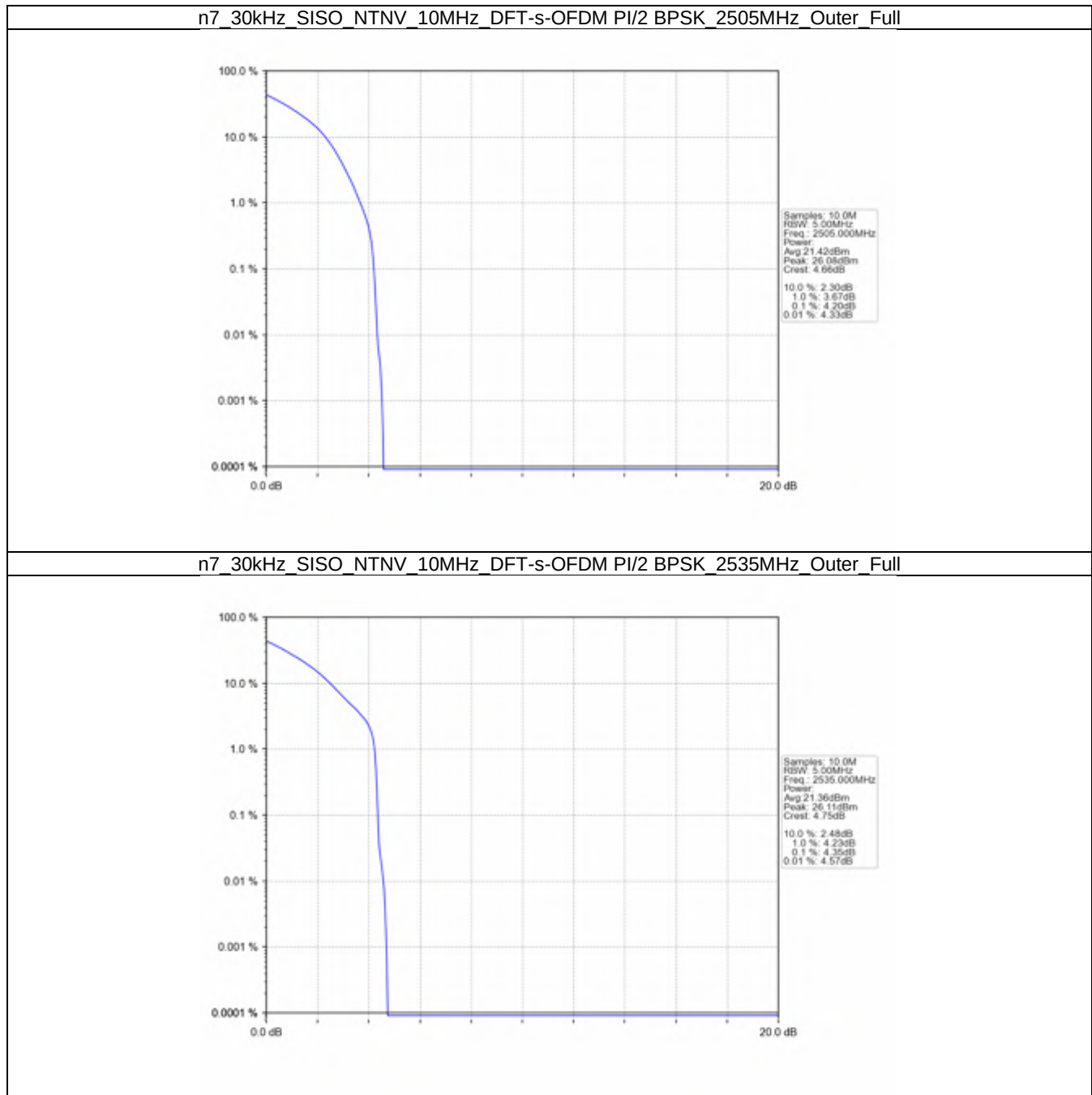
3.9 30k_SISO_10MHz_NTNV

3.9.1 Test Result

5G NR n7 SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2505	Outer_Full	4.20	/	/	<=13	Pass
	2535	Outer_Full	4.35	/	/	<=13	Pass
	2565	Outer_Full	4.33	/	/	<=13	Pass
DFT-s-OFDM QPSK	2505	Outer_Full	5.24	/	/	<=13	Pass
	2535	Outer_Full	5.52	/	/	<=13	Pass
	2565	Outer_Full	5.22	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2505	Outer_Full	6.19	/	/	<=13	Pass
	2535	Outer_Full	6.28	/	/	<=13	Pass
	2565	Outer_Full	6.26	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2505	Outer_Full	6.63	/	/	<=13	Pass
	2535	Outer_Full	6.66	/	/	<=13	Pass
	2565	Outer_Full	6.70	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2505	Outer_Full	6.44	/	/	<=13	Pass
	2535	Outer_Full	6.59	/	/	<=13	Pass
	2565	Outer_Full	6.50	/	/	<=13	Pass
CP-OFDM QPSK	2505	Outer_Full	8.29	/	/	<=13	Pass
	2535	Outer_Full	8.30	/	/	<=13	Pass
	2565	Outer_Full	8.20	/	/	<=13	Pass
CP-OFDM 16 QAM	2505	Outer_Full	8.07	/	/	<=13	Pass
	2535	Outer_Full	8.17	/	/	<=13	Pass
	2565	Outer_Full	8.12	/	/	<=13	Pass
CP-OFDM 64 QAM	2505	Outer_Full	8.37	/	/	<=13	Pass
	2535	Outer_Full	8.40	/	/	<=13	Pass
	2565	Outer_Full	8.38	/	/	<=13	Pass
CP-OFDM 256 QAM	2505	Outer_Full	8.32	/	/	<=13	Pass
	2535	Outer_Full	8.27	/	/	<=13	Pass
	2565	Outer_Full	8.56	/	/	<=13	Pass



3.9.2 Test Graph



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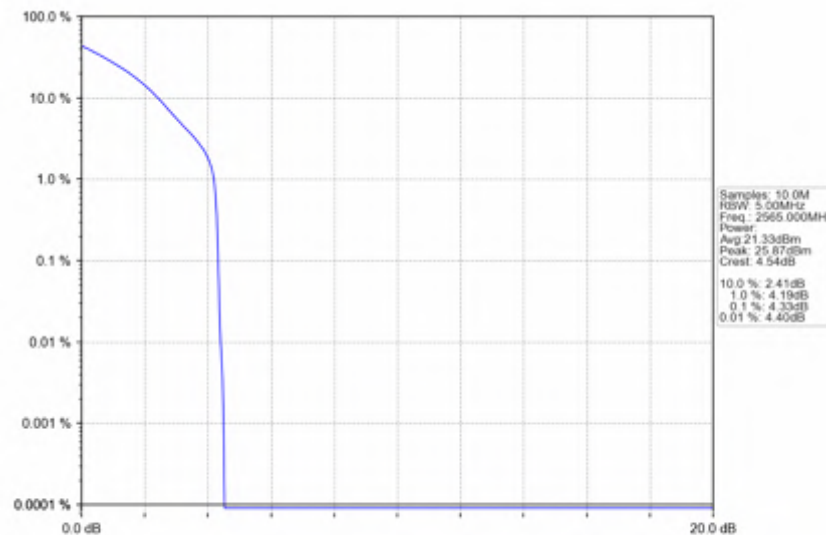
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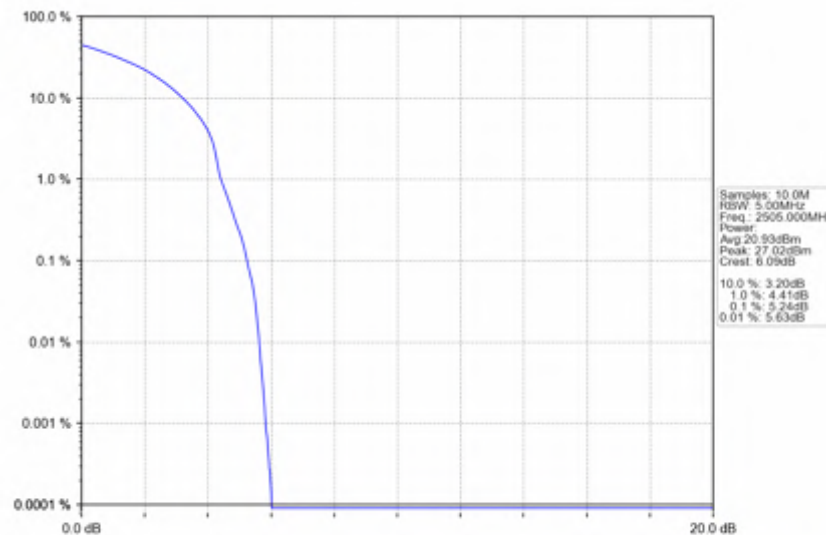
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n7_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2565MHz_Outer_Full



n7_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2505MHz_Outer_Full



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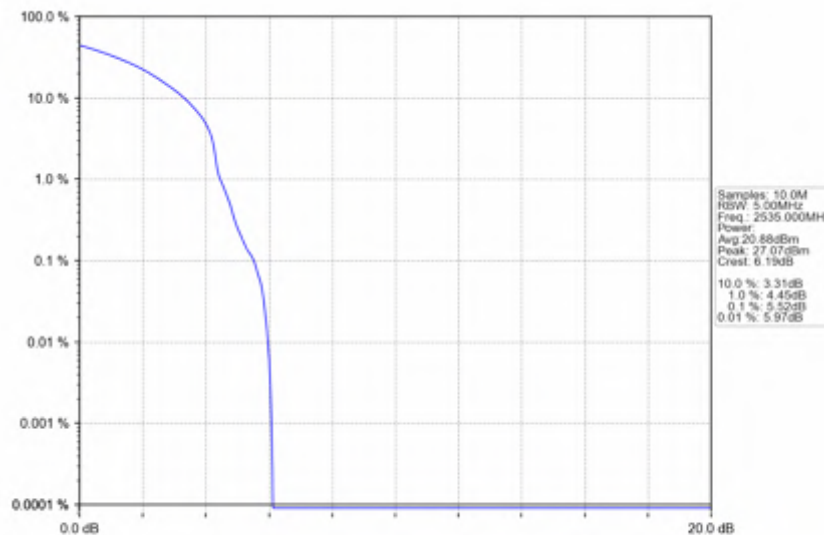
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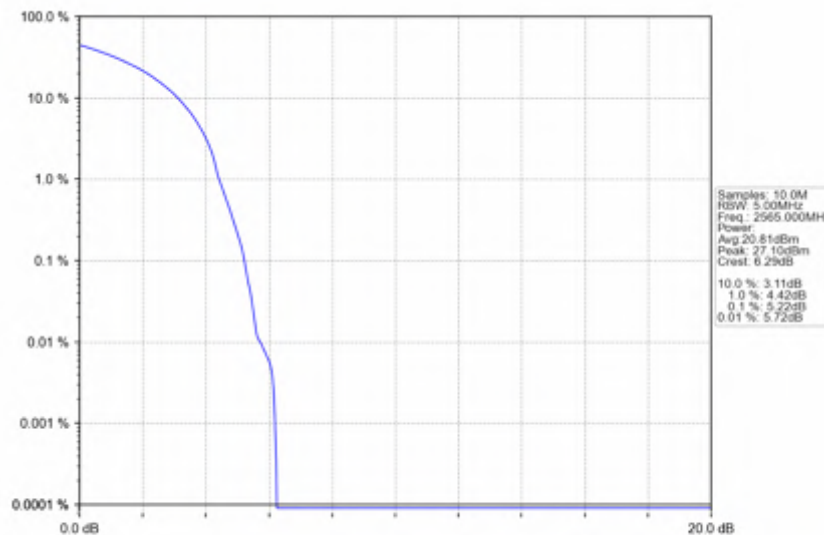
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n7_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2535MHz_Outer_Full



n7_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2565MHz_Outer_Full



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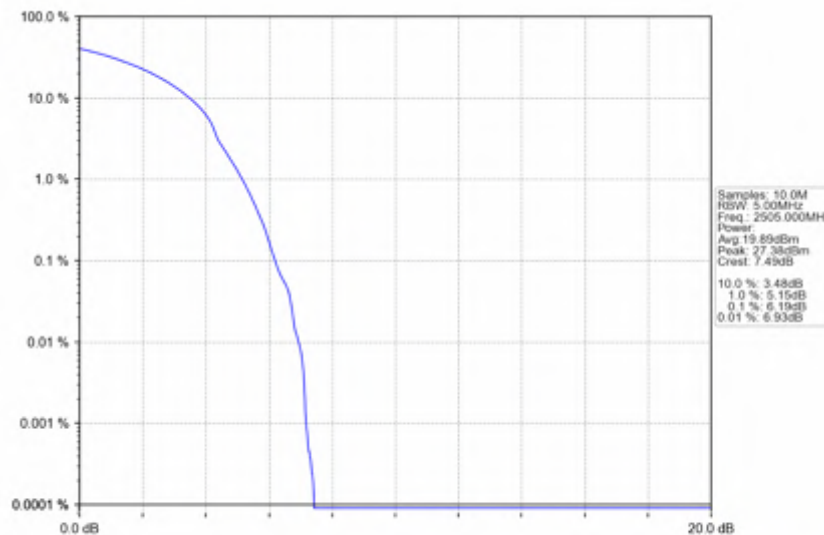
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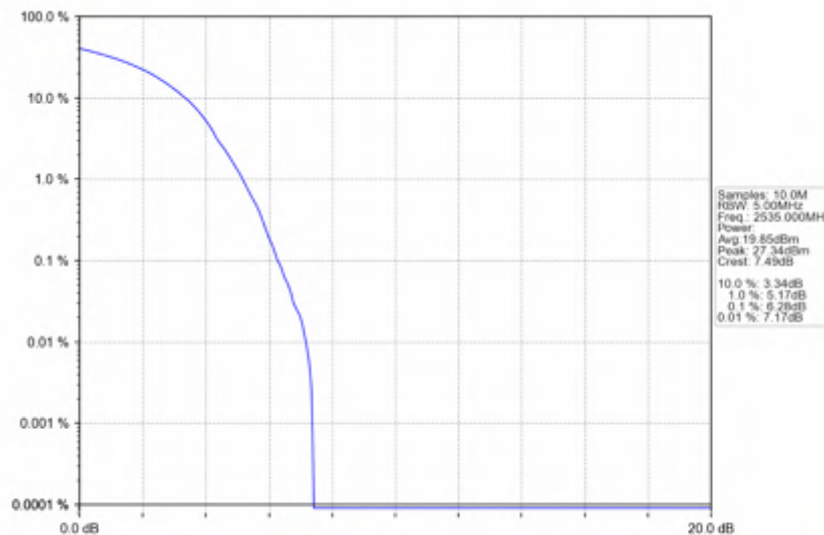
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n7_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_2535MHz_Outer_Full



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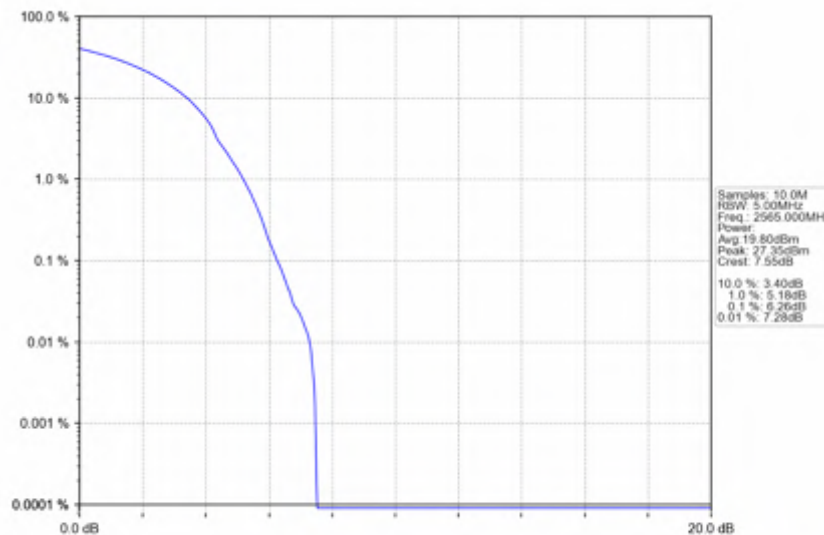
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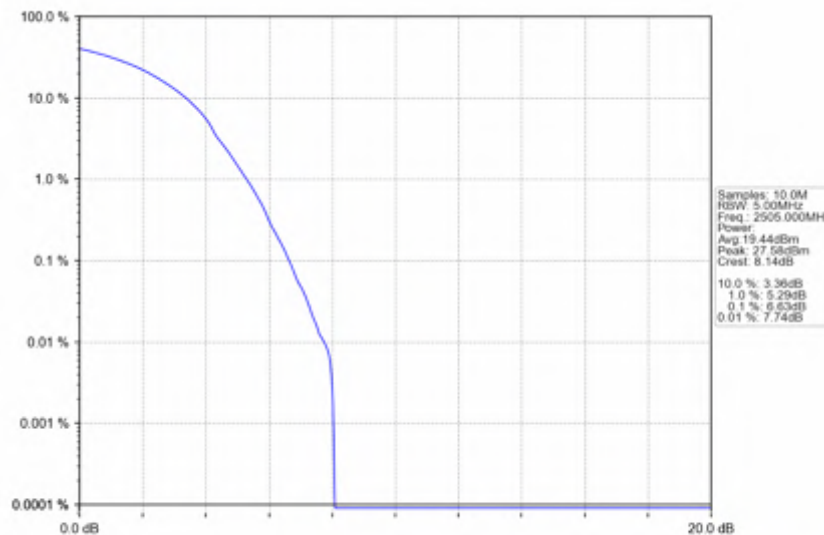
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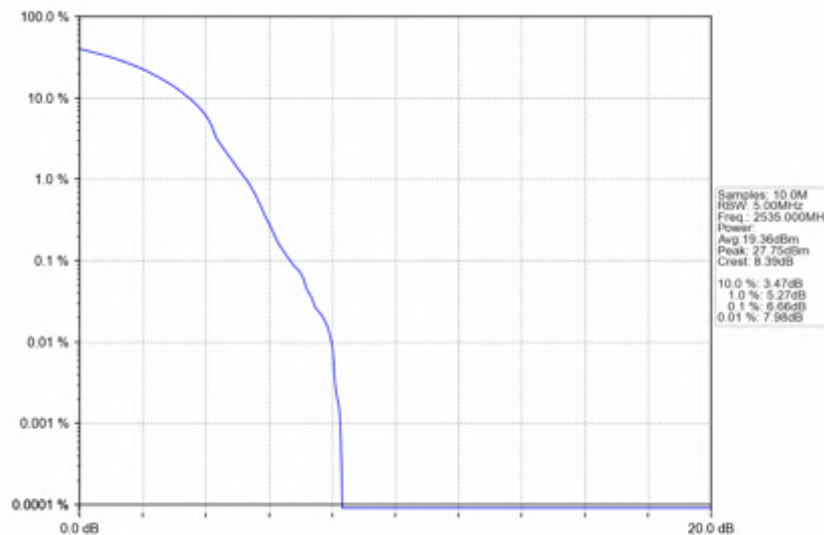
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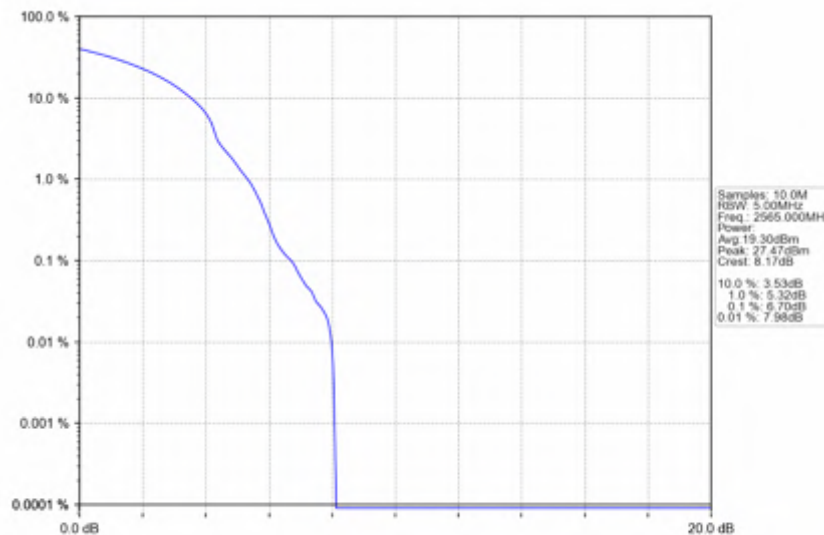
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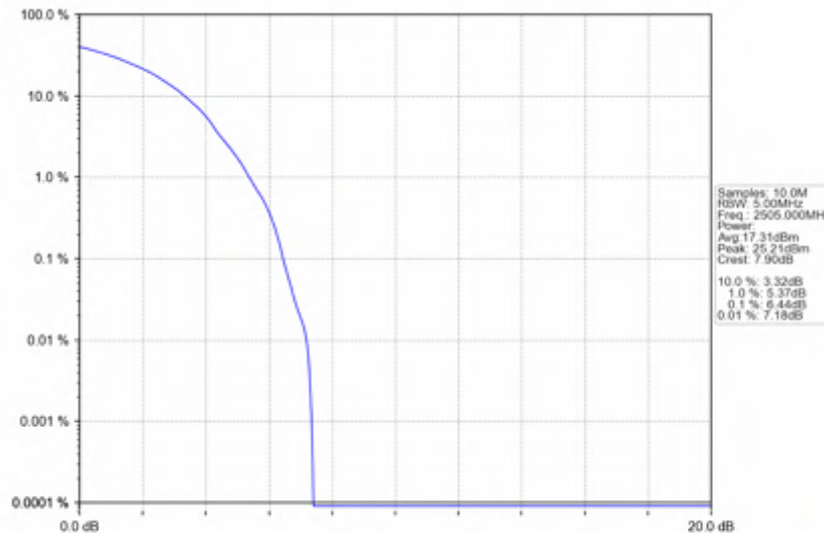


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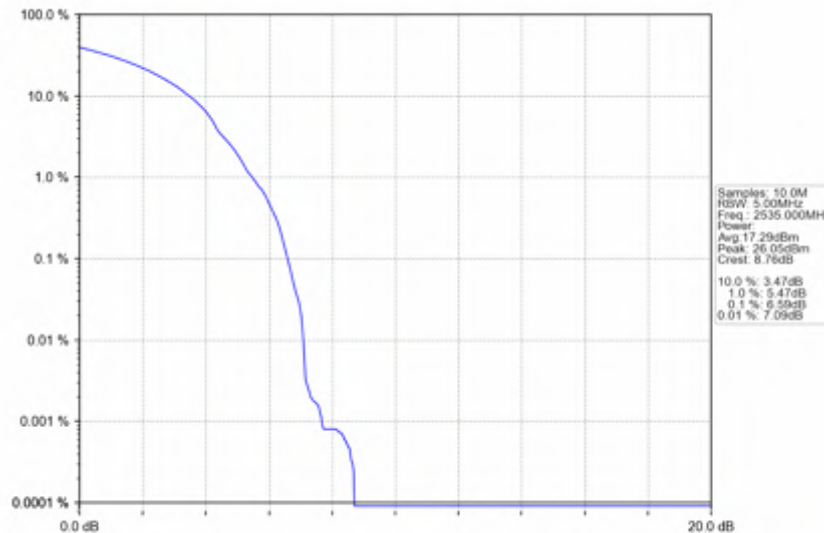
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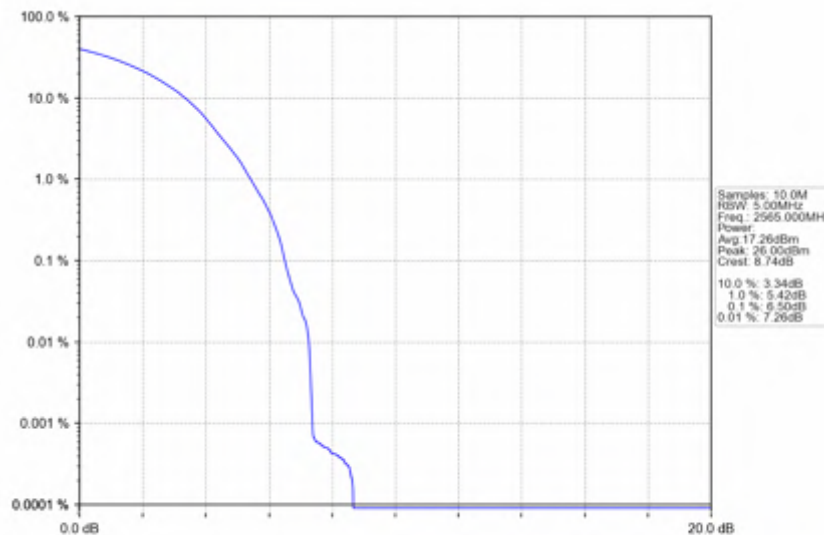
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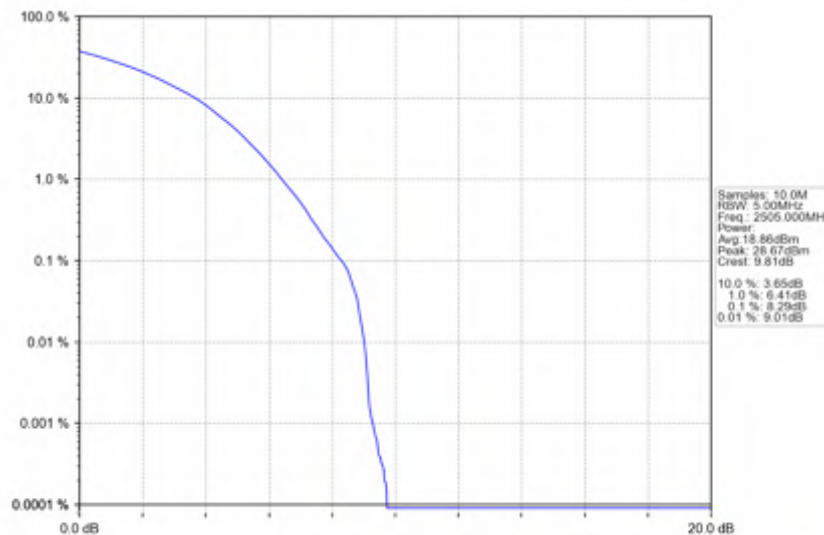
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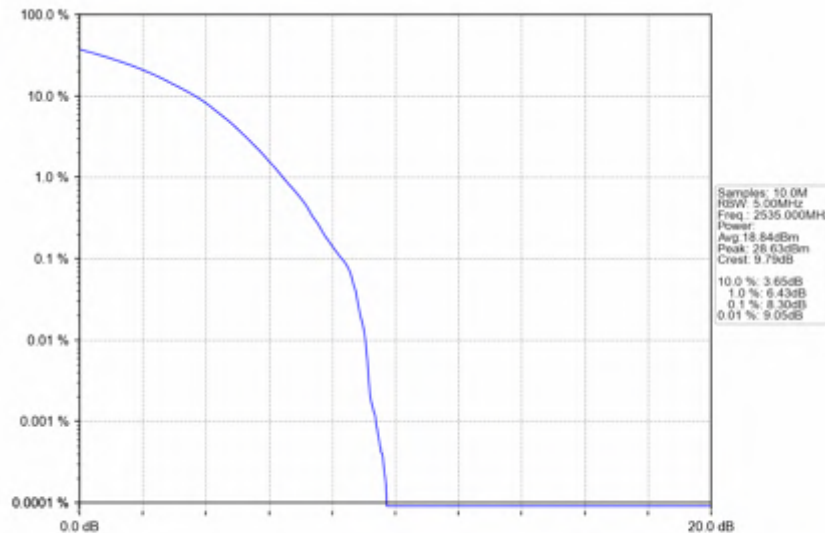


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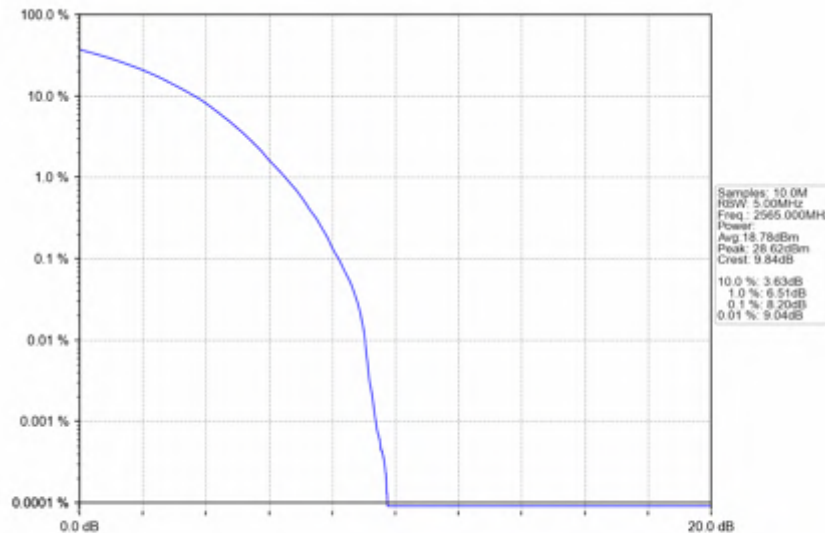
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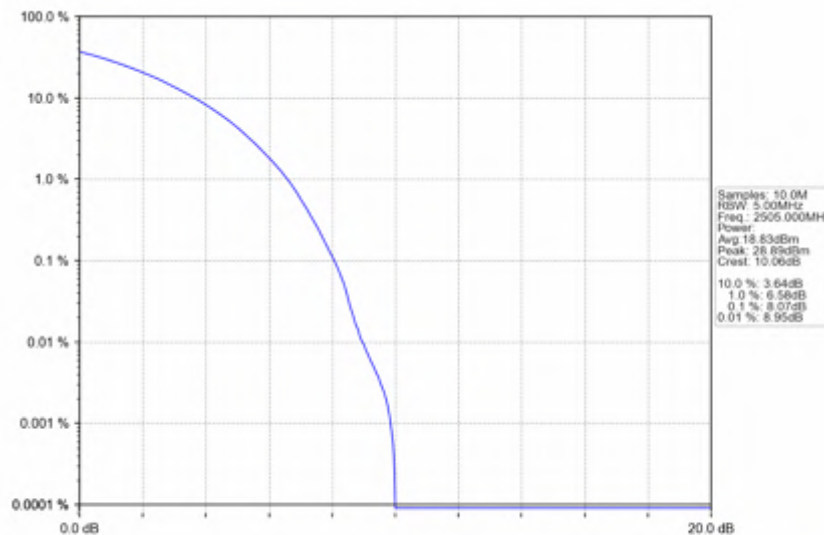
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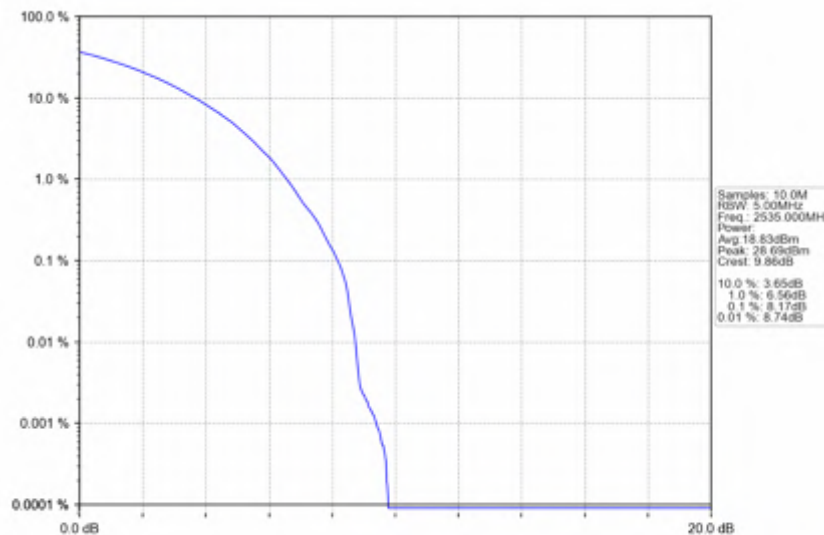
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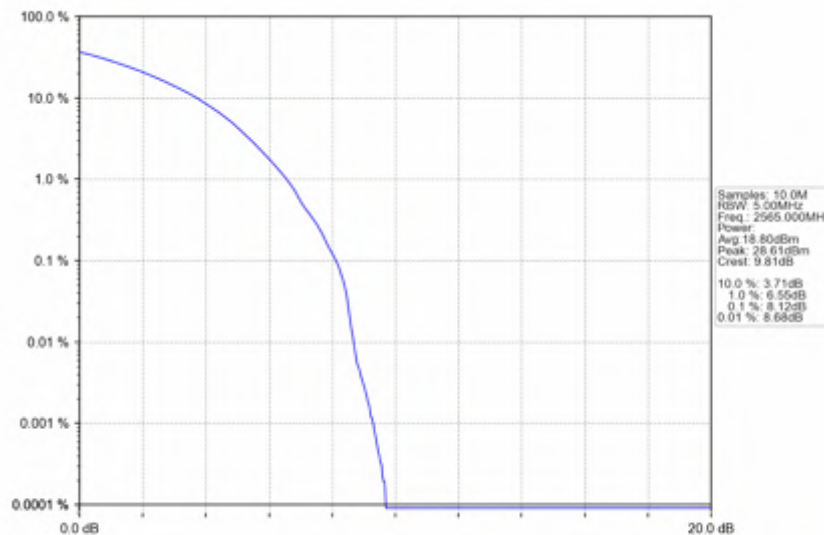


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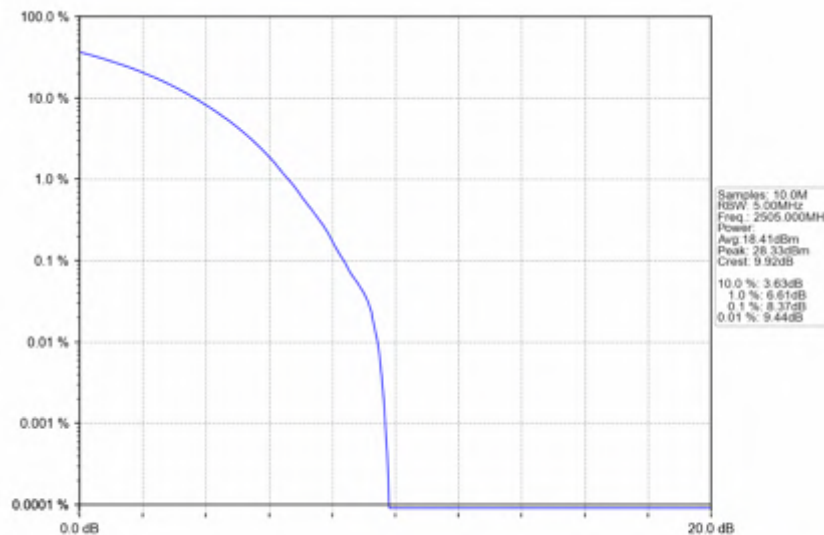
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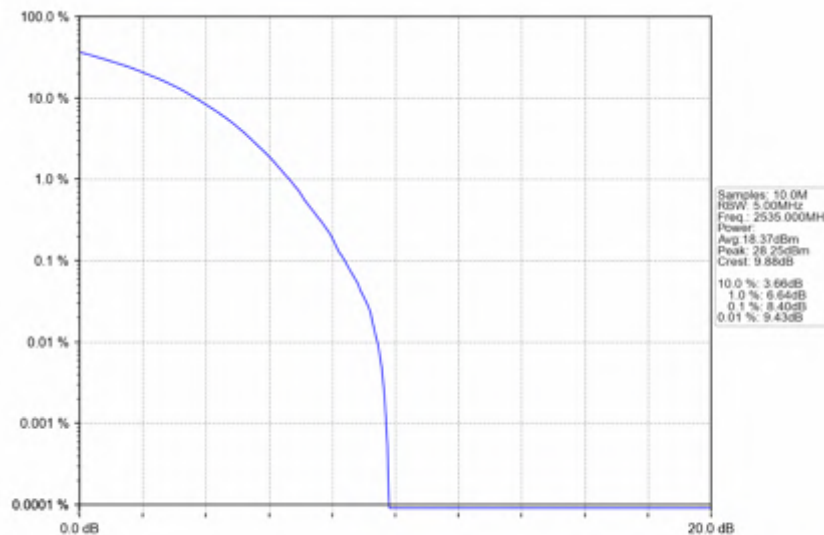


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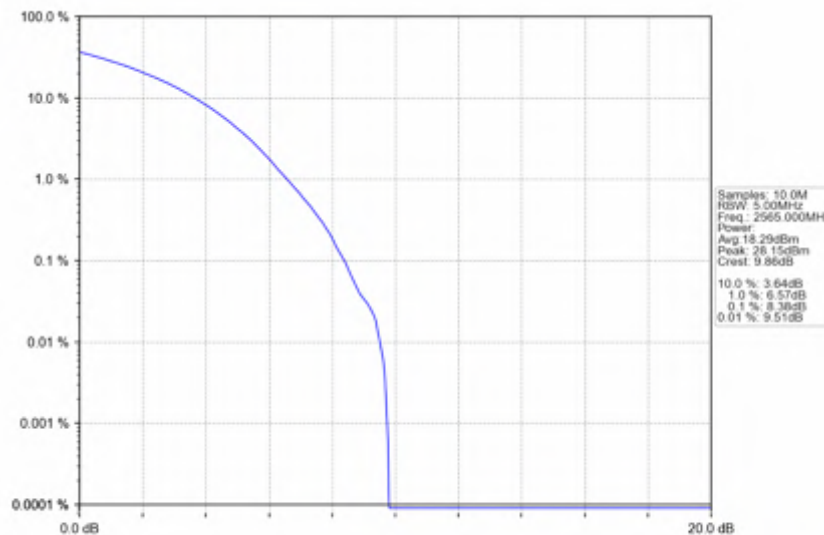
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n7_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_2535MHz_Outer_Full



n7_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_2565MHz_Outer_Full



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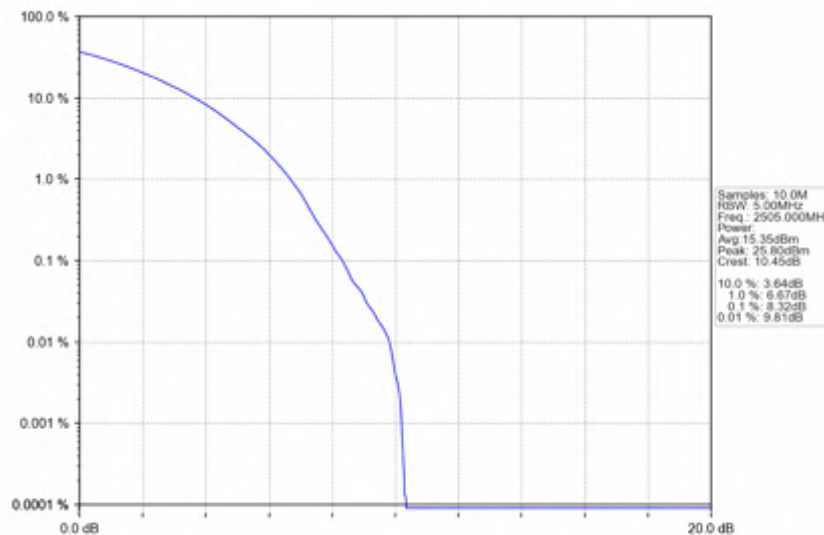
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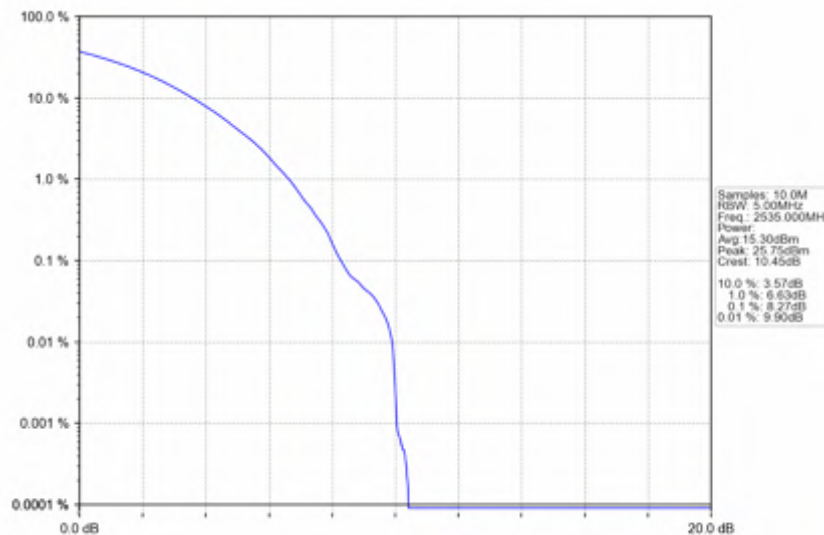
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n7_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_2505MHz_Outer_Full



n7_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_2535MHz_Outer_Full

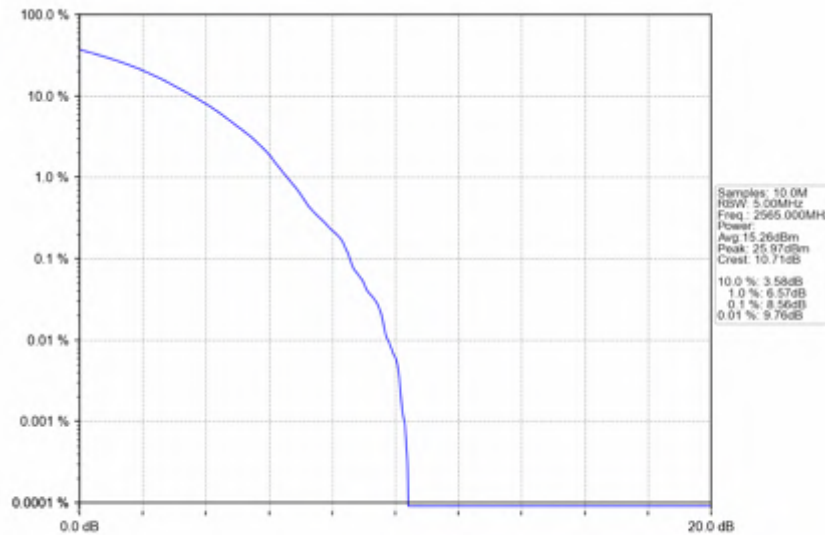


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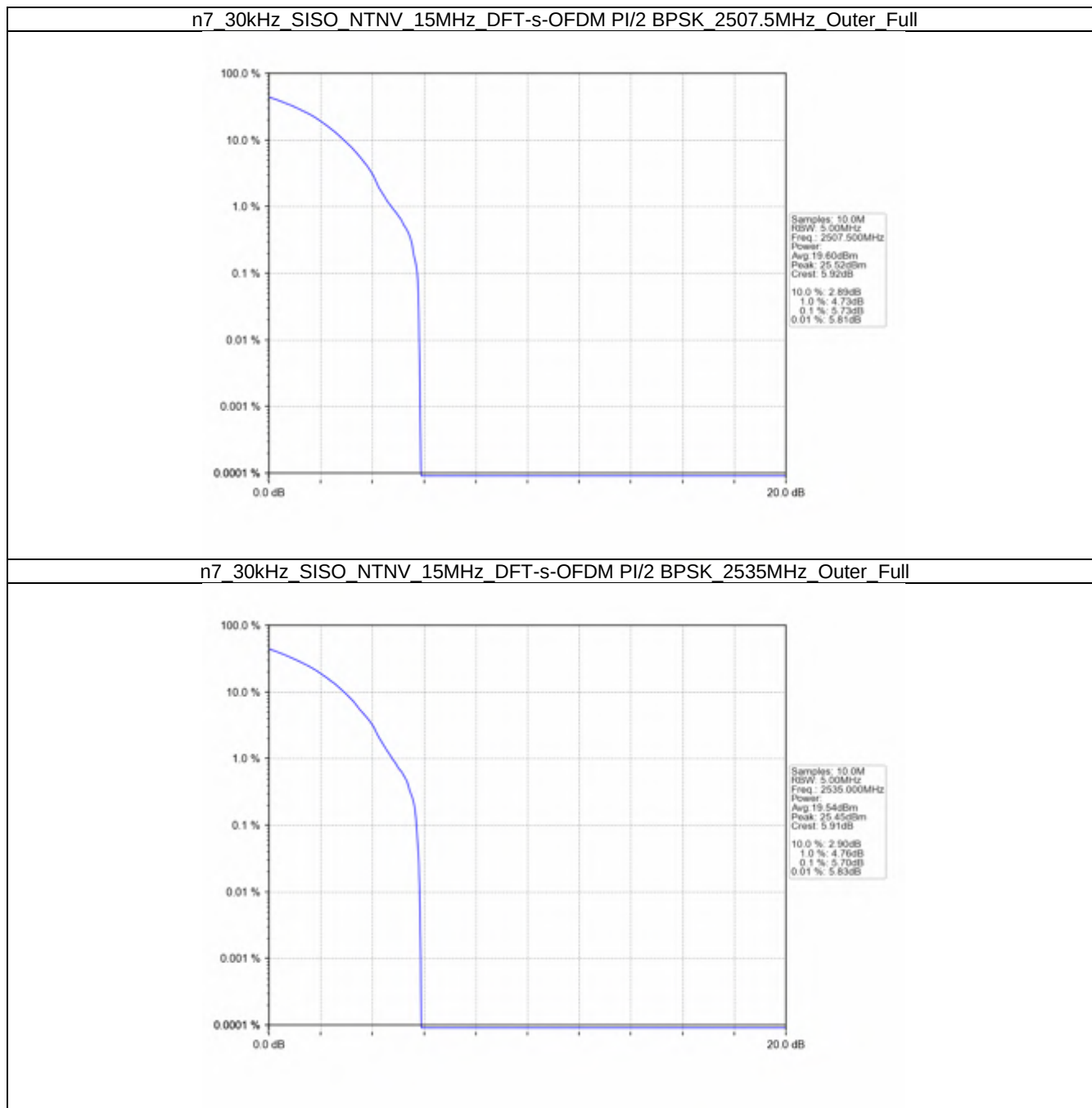
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3.10 30k_SISO_15MHz_NTNV

3.10.1 Test Result

5G NR n7 SCS=30kHz SISO 15MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2507.5	Outer_Full	5.73	/	/	<=13	Pass
	2535	Outer_Full	5.70	/	/	<=13	Pass
	2562.5	Outer_Full	5.69	/	/	<=13	Pass
DFT-s-OFDM QPSK	2507.5	Outer_Full	6.14	/	/	<=13	Pass
	2535	Outer_Full	6.12	/	/	<=13	Pass
	2562.5	Outer_Full	6.13	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2507.5	Outer_Full	6.89	/	/	<=13	Pass
	2535	Outer_Full	6.87	/	/	<=13	Pass
	2562.5	Outer_Full	6.81	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2507.5	Outer_Full	6.92	/	/	<=13	Pass
	2535	Outer_Full	7.10	/	/	<=13	Pass
	2562.5	Outer_Full	6.91	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2507.5	Outer_Full	7.16	/	/	<=13	Pass
	2535	Outer_Full	7.17	/	/	<=13	Pass
	2562.5	Outer_Full	7.22	/	/	<=13	Pass
CP-OFDM QPSK	2507.5	Outer_Full	8.34	/	/	<=13	Pass
	2535	Outer_Full	8.25	/	/	<=13	Pass
	2562.5	Outer_Full	8.25	/	/	<=13	Pass
CP-OFDM 16 QAM	2507.5	Outer_Full	7.94	/	/	<=13	Pass
	2535	Outer_Full	8.05	/	/	<=13	Pass
	2562.5	Outer_Full	7.93	/	/	<=13	Pass
CP-OFDM 64 QAM	2507.5	Outer_Full	8.74	/	/	<=13	Pass
	2535	Outer_Full	8.37	/	/	<=13	Pass
	2562.5	Outer_Full	8.36	/	/	<=13	Pass
CP-OFDM 256 QAM	2507.5	Outer_Full	8.22	/	/	<=13	Pass
	2535	Outer_Full	8.29	/	/	<=13	Pass
	2562.5	Outer_Full	8.40	/	/	<=13	Pass

3.10.2 Test Graph



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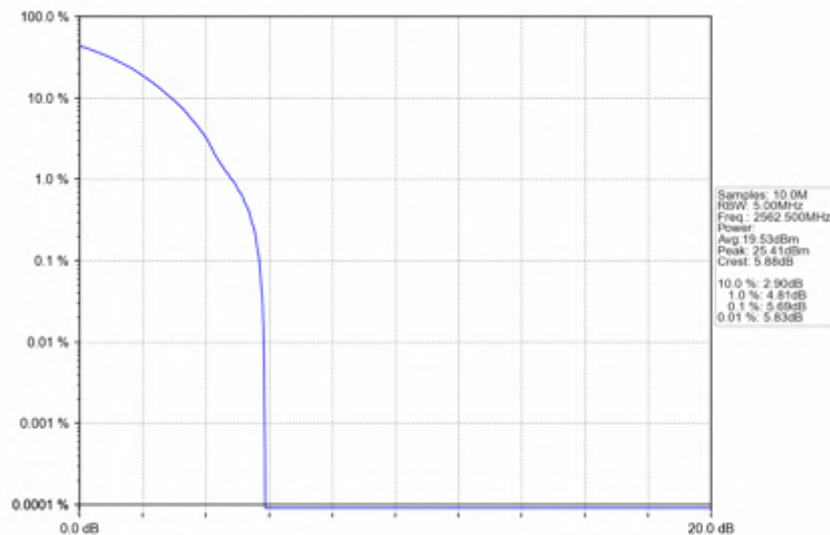
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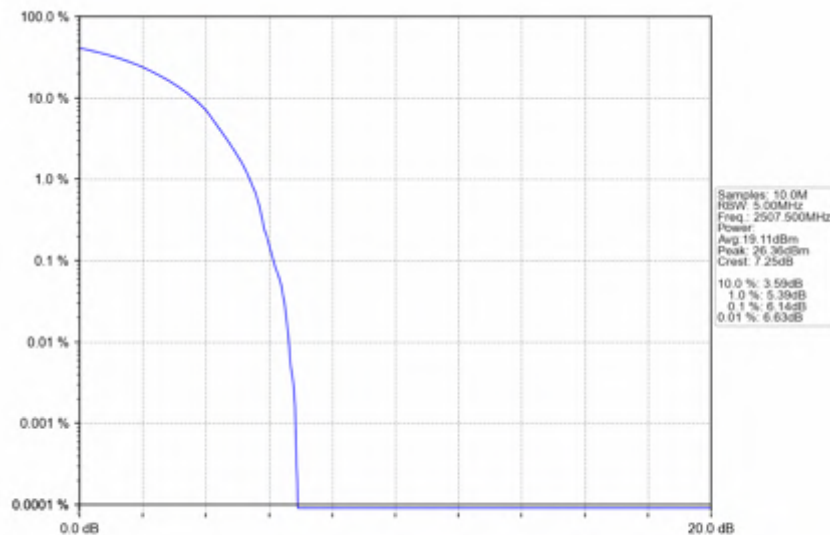
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n7_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_2507.5MHz_Outer_Full



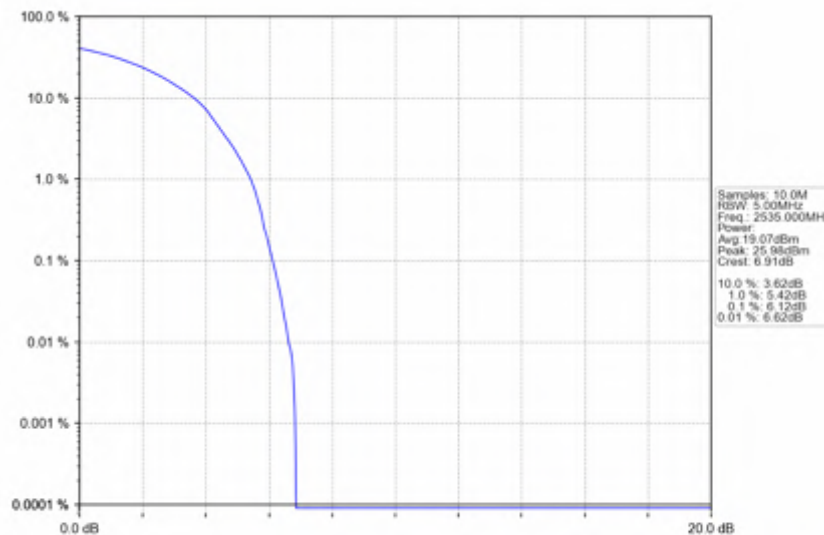
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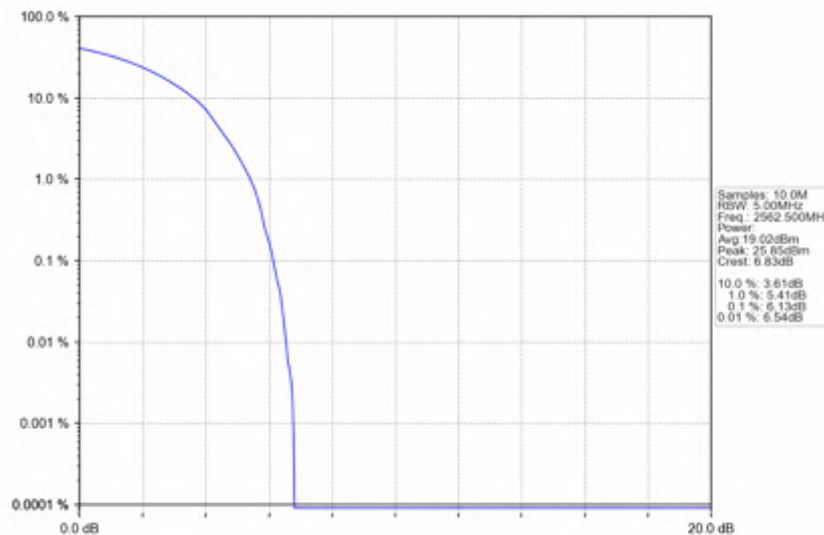
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n7_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_2562.5MHz_Outer_Full

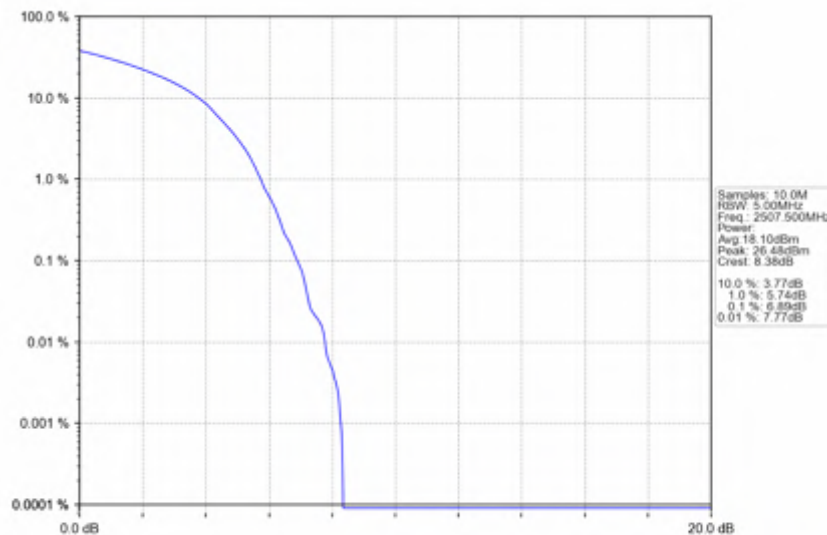


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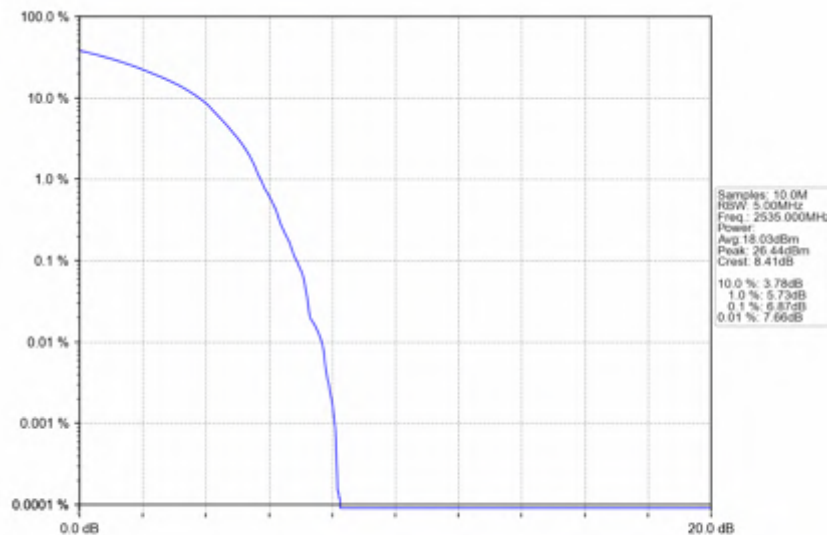
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n7 30kHz SISO NTNv 15MHz DFT-s-OFDM 16 QAM 2535MHz Outer Full

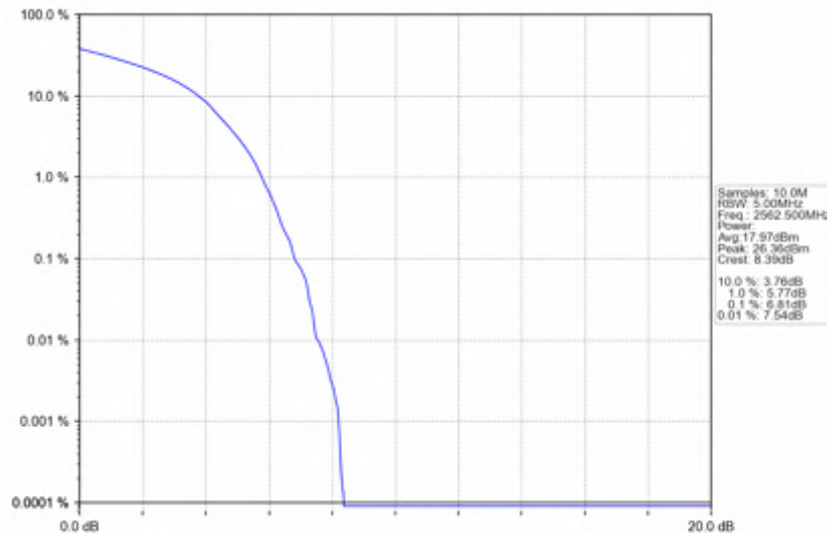


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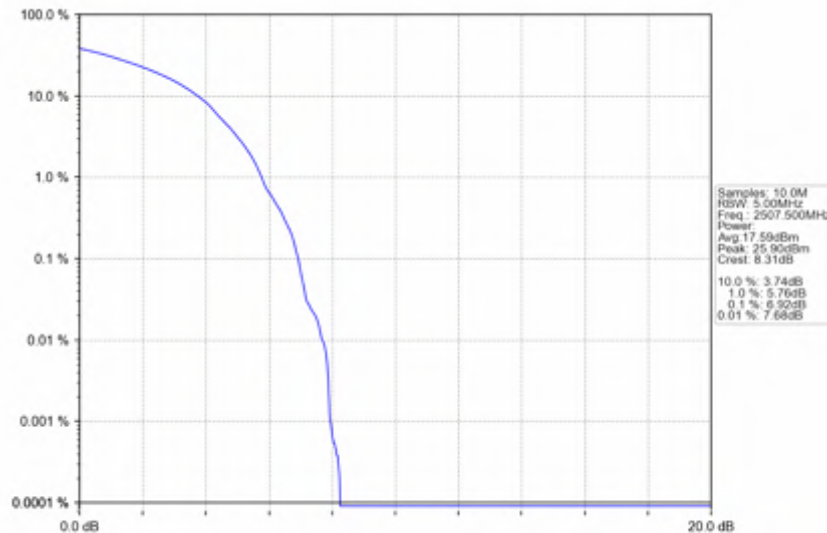
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n7_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_2507.5MHz_Outer_Full

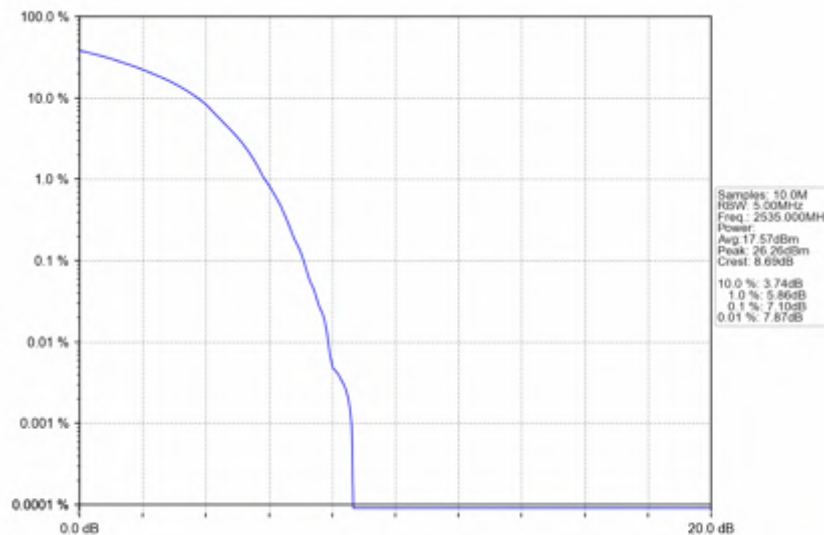


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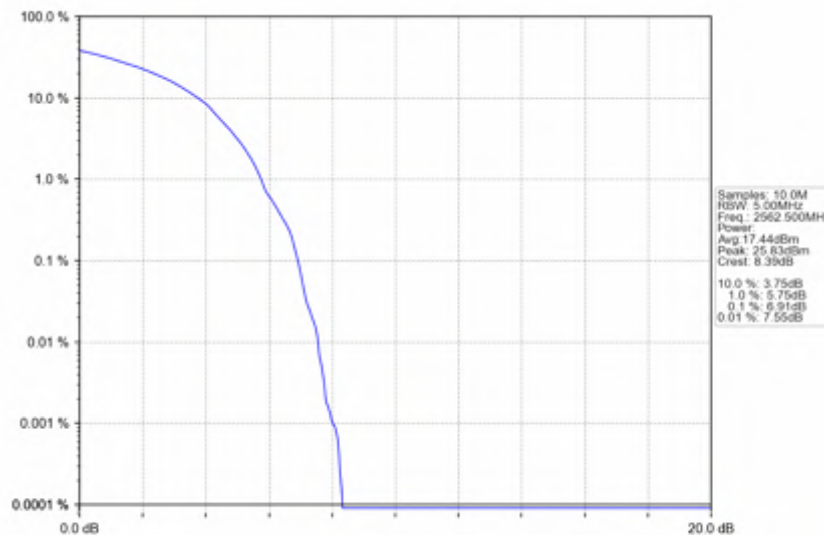
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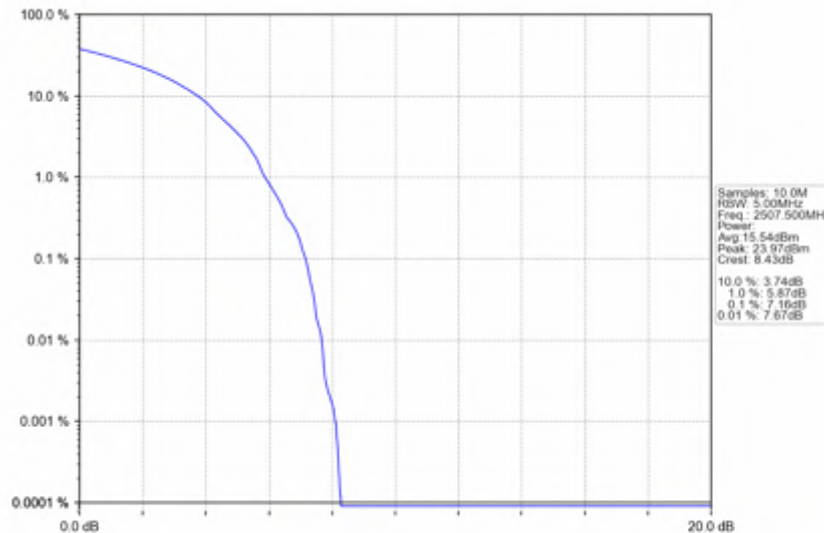


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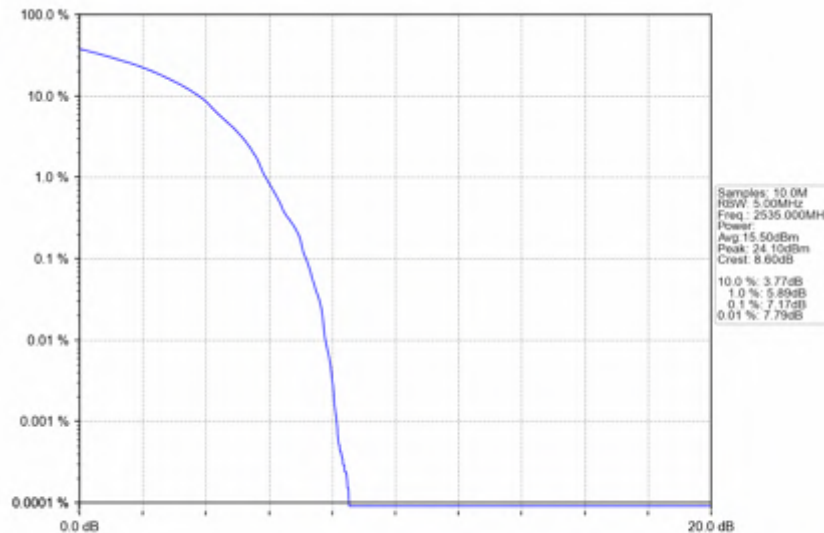
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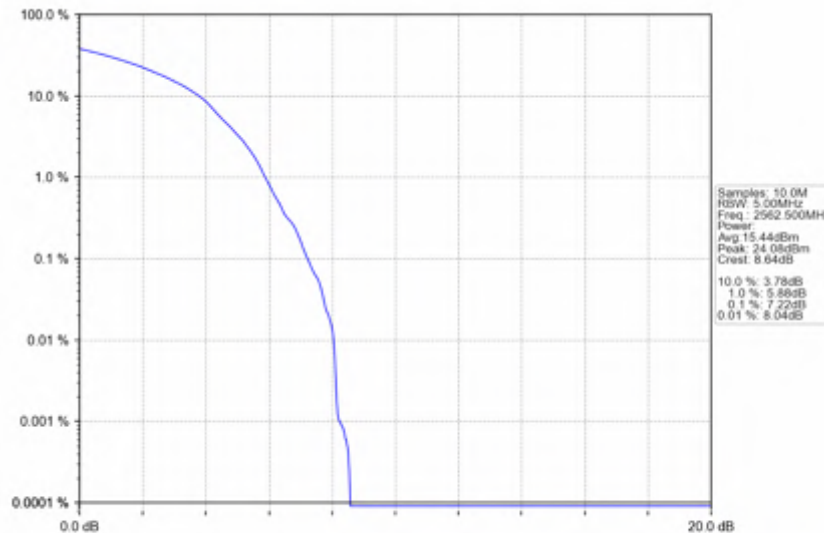


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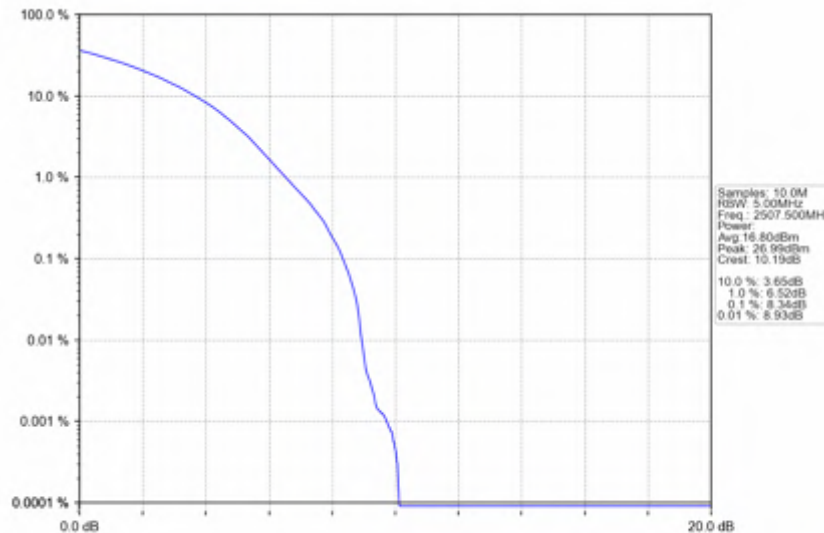
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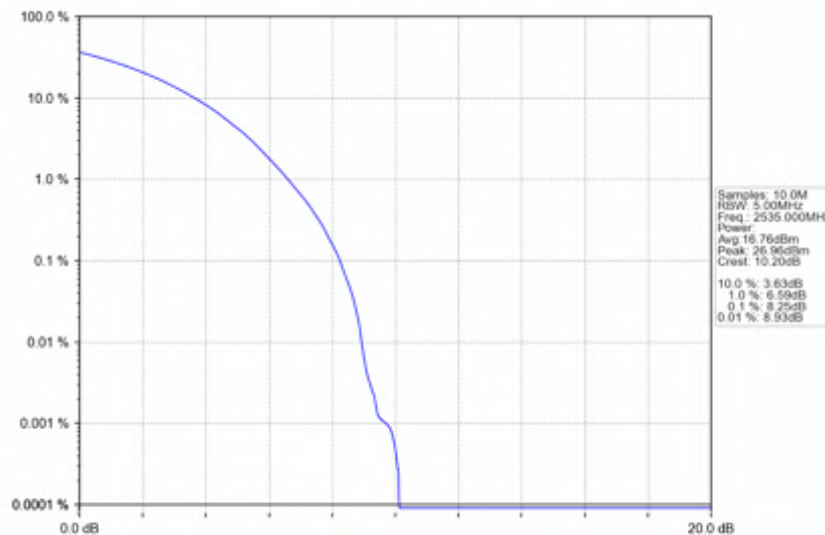


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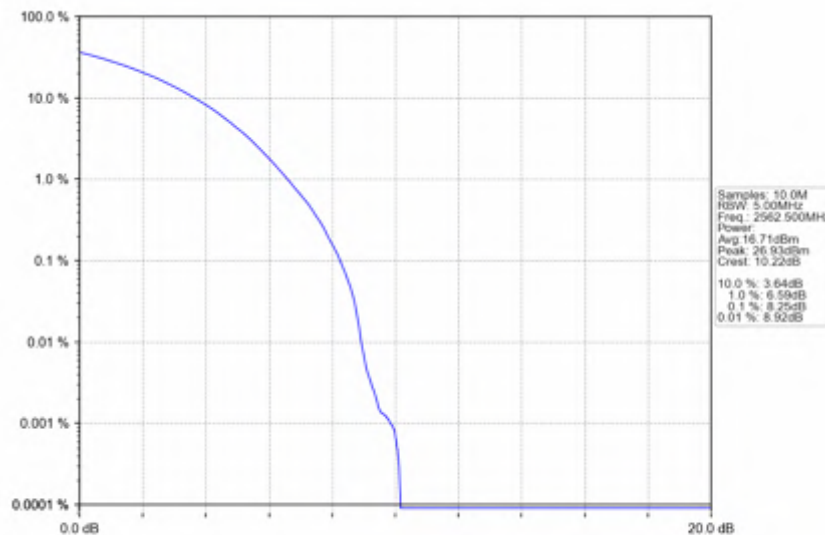
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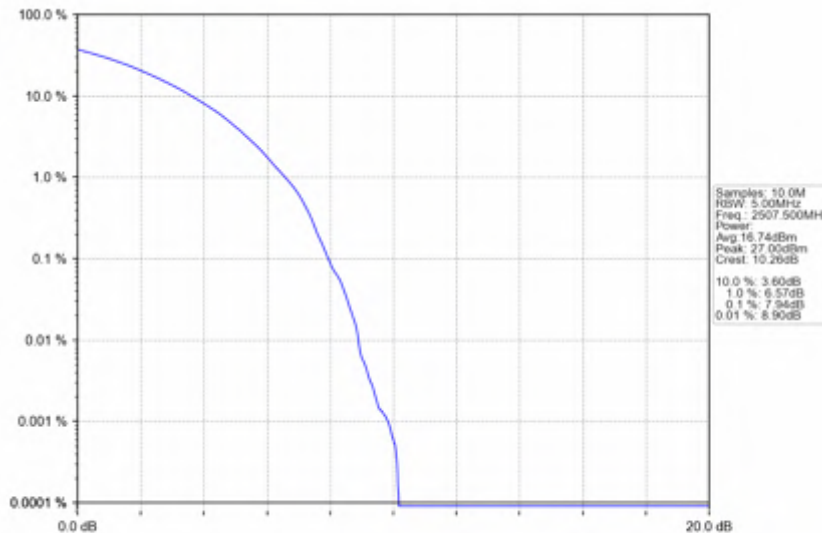
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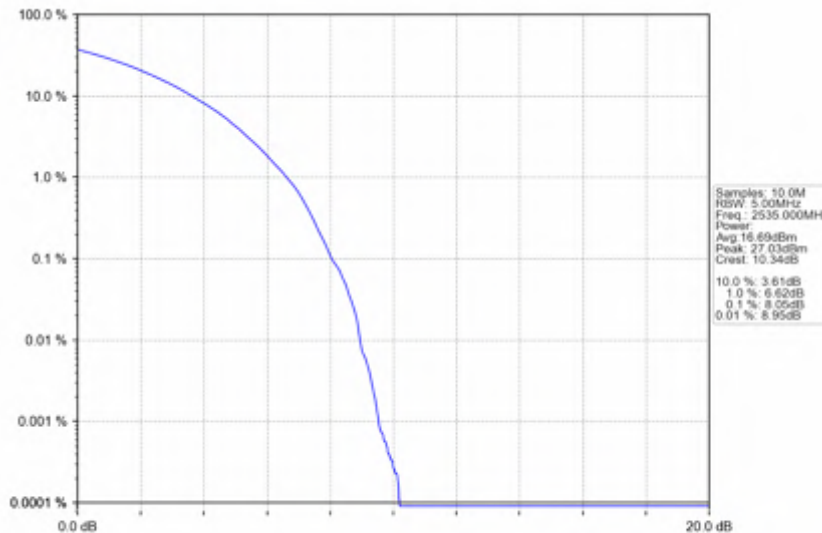
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n7_30kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_2507.5MHz_Outer_Full



n7_30kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_2535MHz_Outer_Full

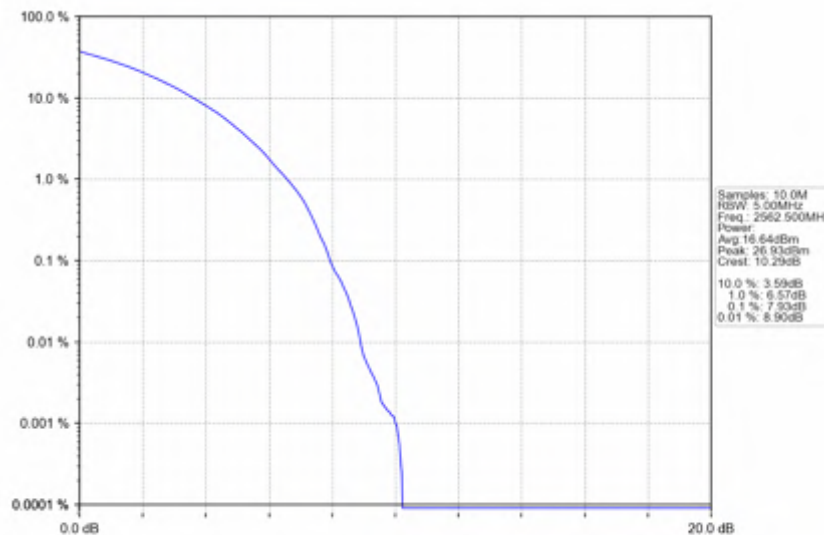


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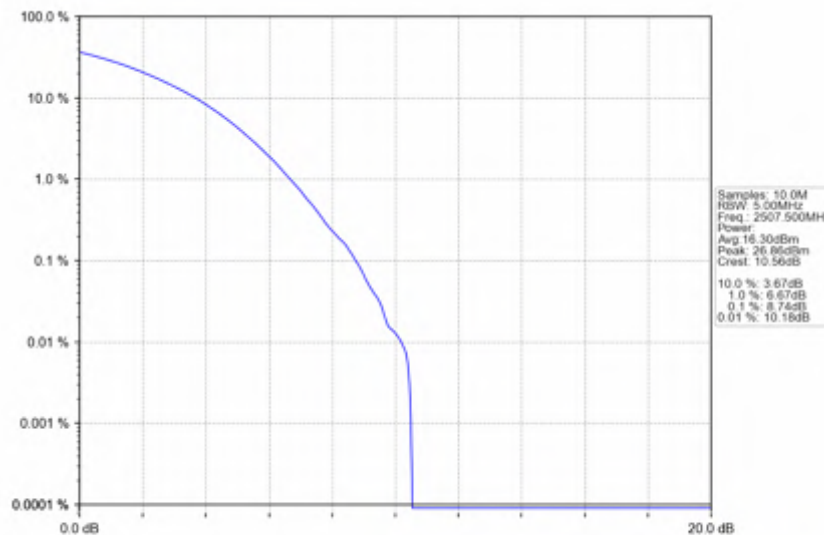
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n7_30kHz_SISO_NTNV_15MHz_CP-OFDM_16 QAM_2562.5MHz_Outer_Full



n7_30kHz_SISO_NTNV_15MHz_CP-OFDM_64 QAM_2507.5MHz_Outer_Full

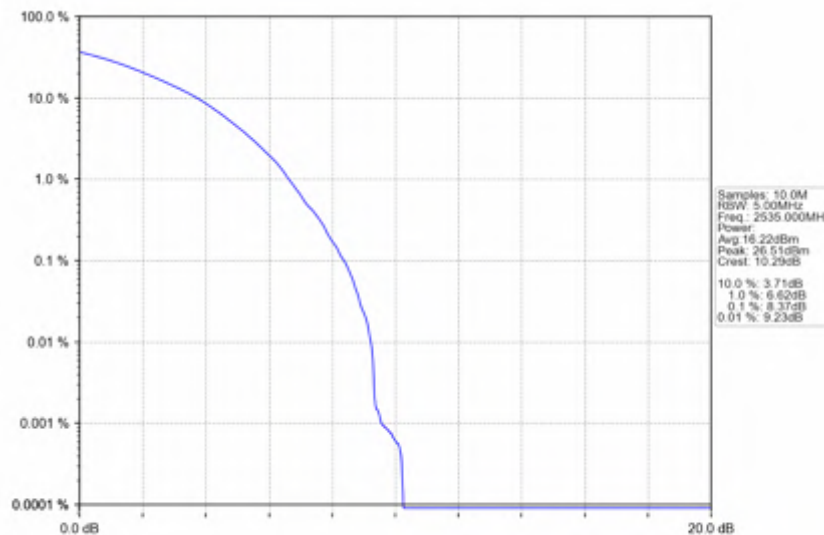


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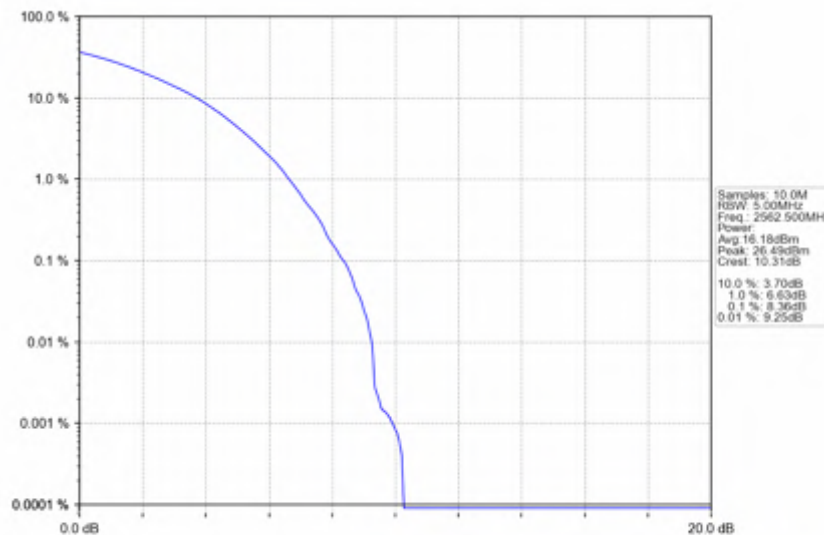
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n7_30kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_2535MHz_Outer_Full



n7_30kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_2562.5MHz_Outer_Full



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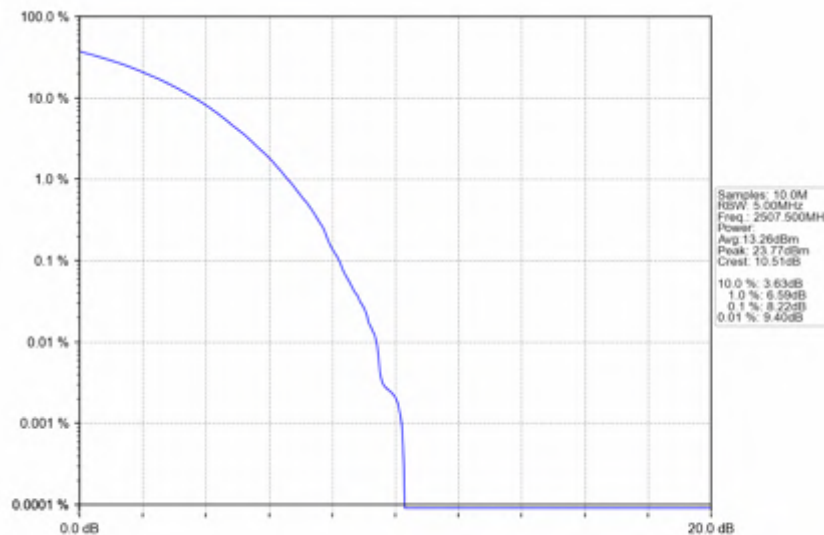
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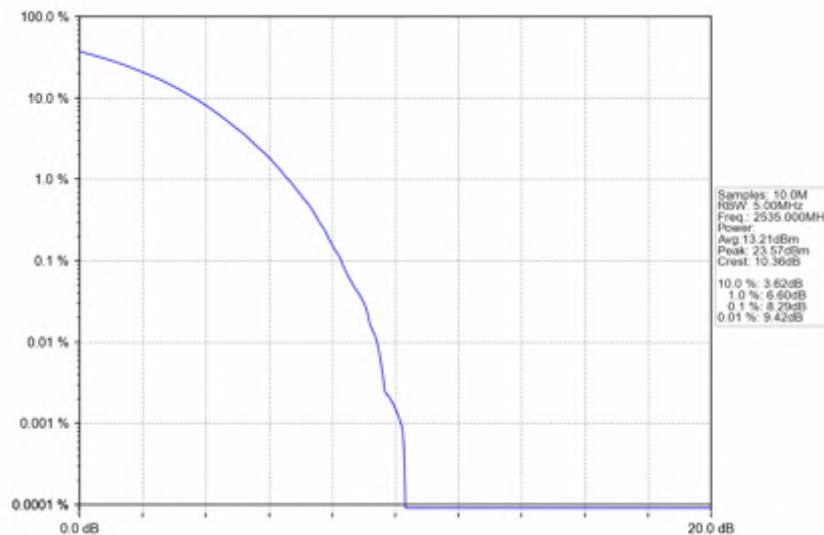
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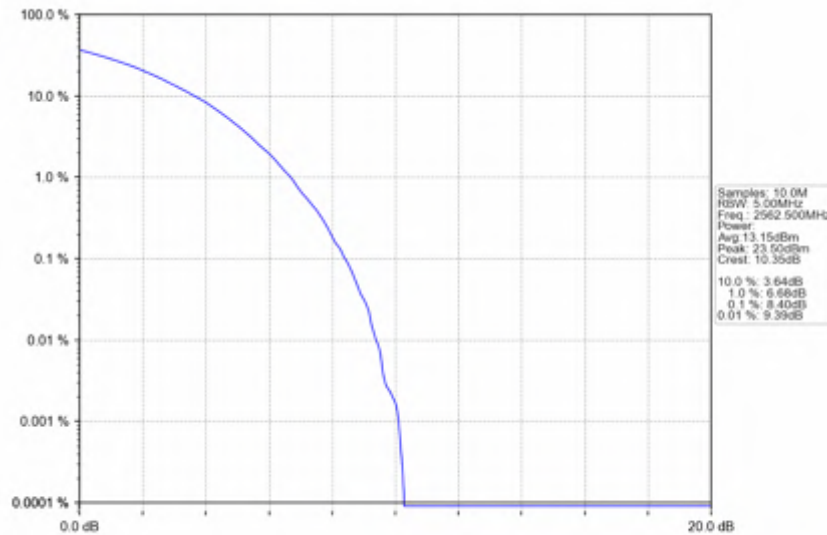


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n7_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_2562.5MHz_Outer_Full



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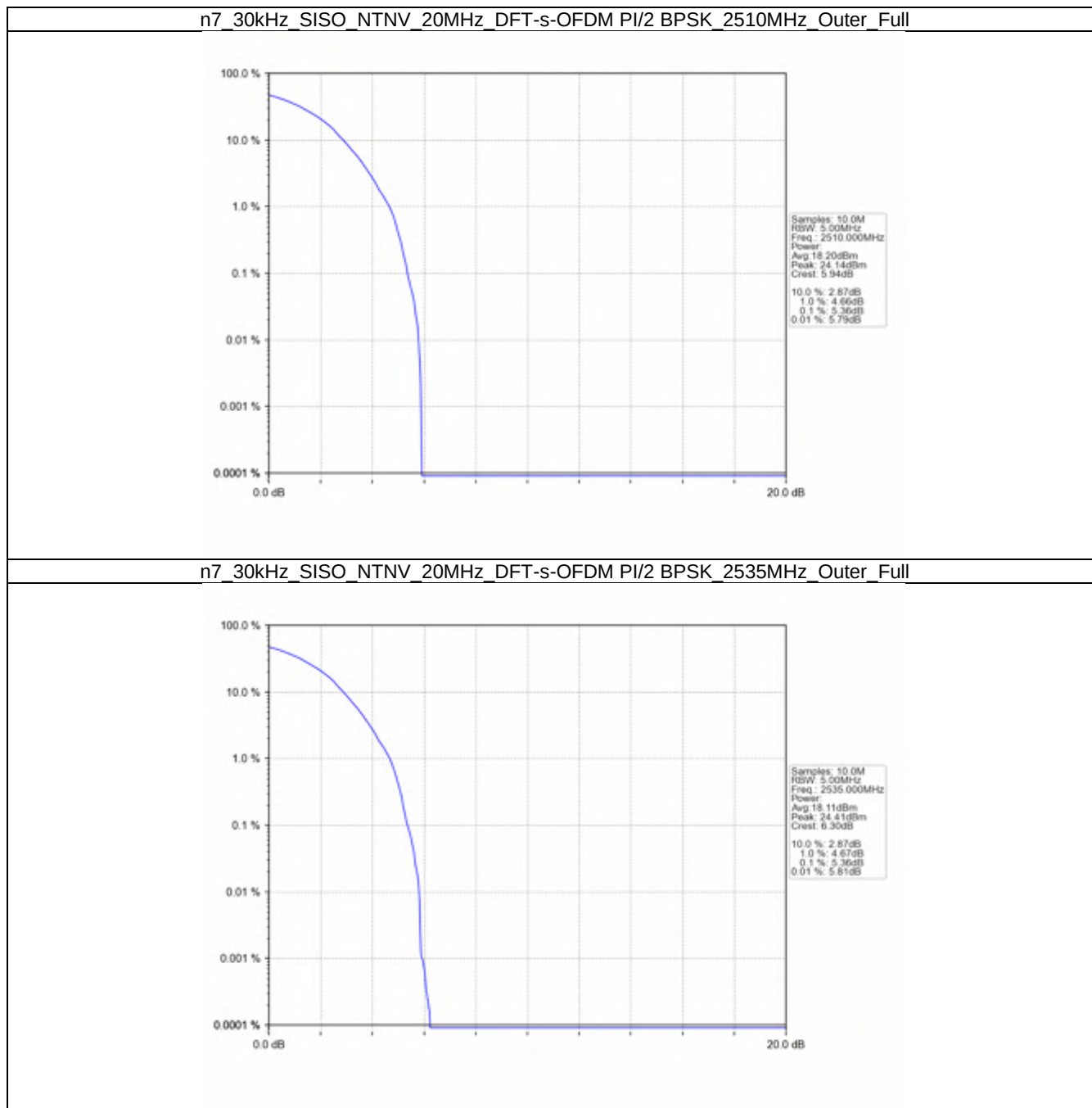
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3.11 30k_SISO_20MHz_NTNV

3.11.1 Test Result

5G NR n7 SCS=30kHz SISO 20MHz NTVN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2510	Outer_Full	5.36	/	/	<=13	Pass
	2535	Outer_Full	5.36	/	/	<=13	Pass
	2560	Outer_Full	5.44	/	/	<=13	Pass
DFT-s-OFDM QPSK	2510	Outer_Full	6.86	/	/	<=13	Pass
	2535	Outer_Full	6.87	/	/	<=13	Pass
	2560	Outer_Full	6.87	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2510	Outer_Full	7.39	/	/	<=13	Pass
	2535	Outer_Full	7.42	/	/	<=13	Pass
	2560	Outer_Full	7.55	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2510	Outer_Full	7.51	/	/	<=13	Pass
	2535	Outer_Full	7.74	/	/	<=13	Pass
	2560	Outer_Full	7.60	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2510	Outer_Full	7.28	/	/	<=13	Pass
	2535	Outer_Full	7.42	/	/	<=13	Pass
	2560	Outer_Full	7.41	/	/	<=13	Pass
CP-OFDM QPSK	2510	Outer_Full	8.35	/	/	<=13	Pass
	2535	Outer_Full	8.42	/	/	<=13	Pass
	2560	Outer_Full	8.43	/	/	<=13	Pass
CP-OFDM 16 QAM	2510	Outer_Full	8.35	/	/	<=13	Pass
	2535	Outer_Full	8.47	/	/	<=13	Pass
	2560	Outer_Full	8.44	/	/	<=13	Pass
CP-OFDM 64 QAM	2510	Outer_Full	8.56	/	/	<=13	Pass
	2535	Outer_Full	8.43	/	/	<=13	Pass
	2560	Outer_Full	8.43	/	/	<=13	Pass
CP-OFDM 256 QAM	2510	Outer_Full	8.90	/	/	<=13	Pass
	2535	Outer_Full	8.93	/	/	<=13	Pass
	2560	Outer_Full	8.78	/	/	<=13	Pass

3.11.2 Test Graph



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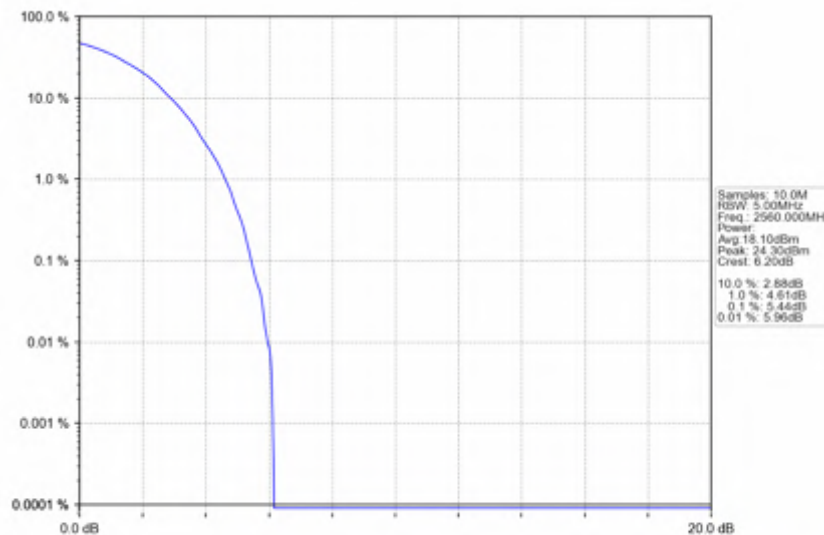
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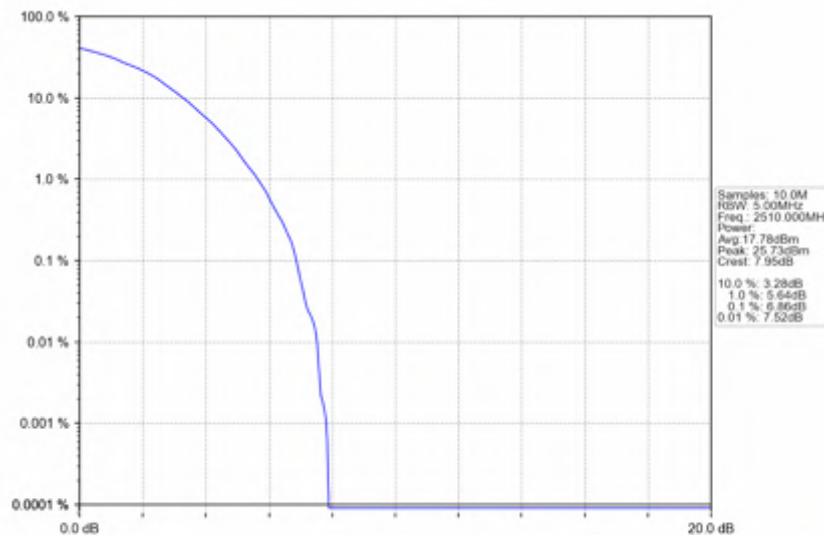
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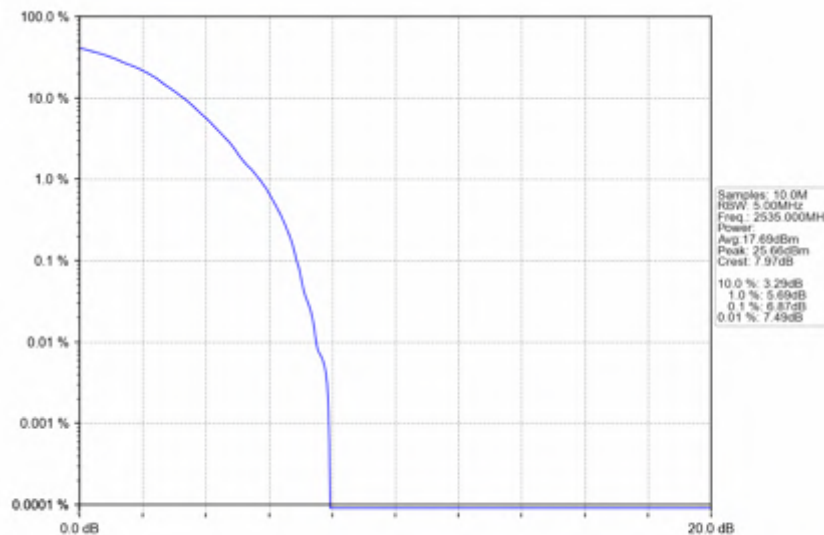


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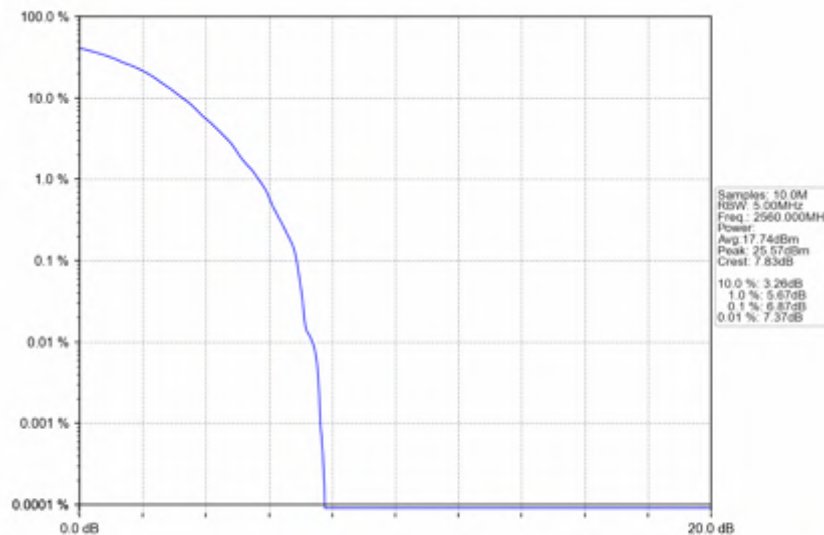
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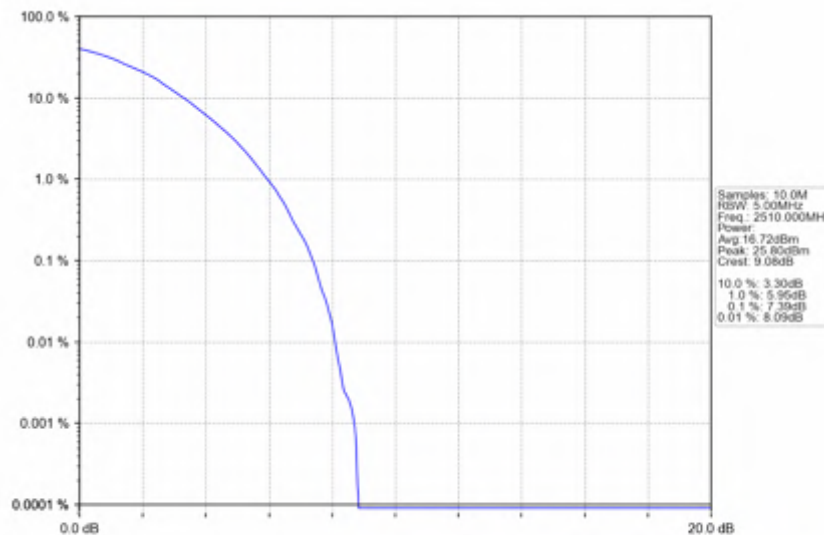
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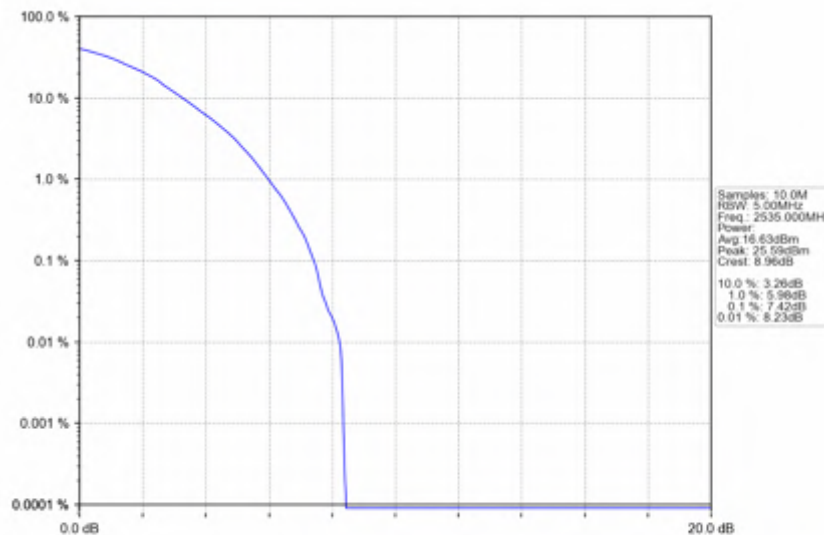
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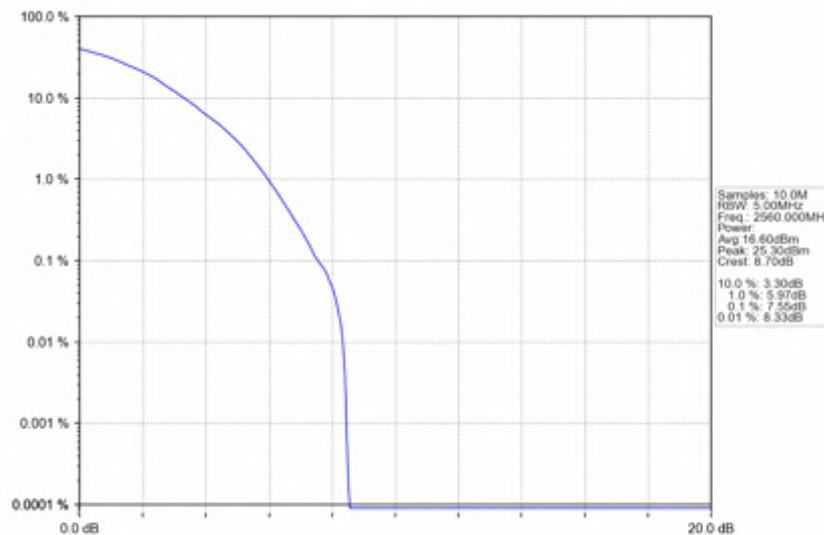
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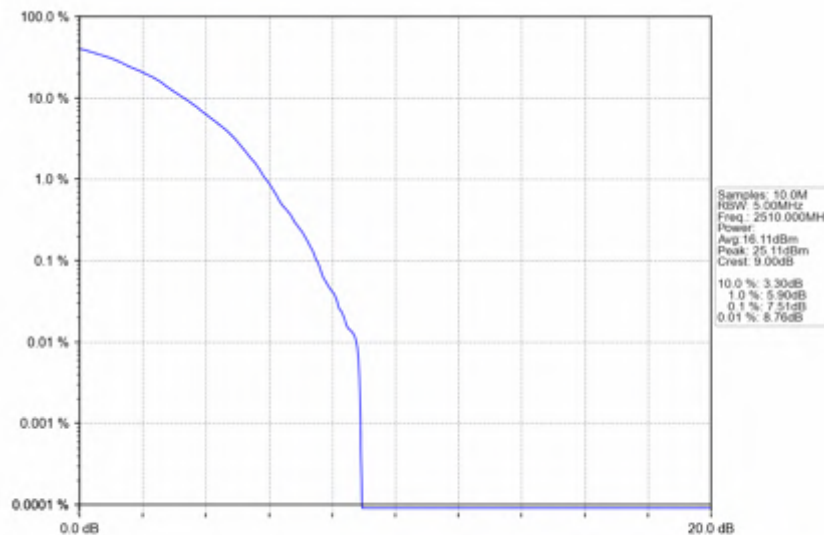
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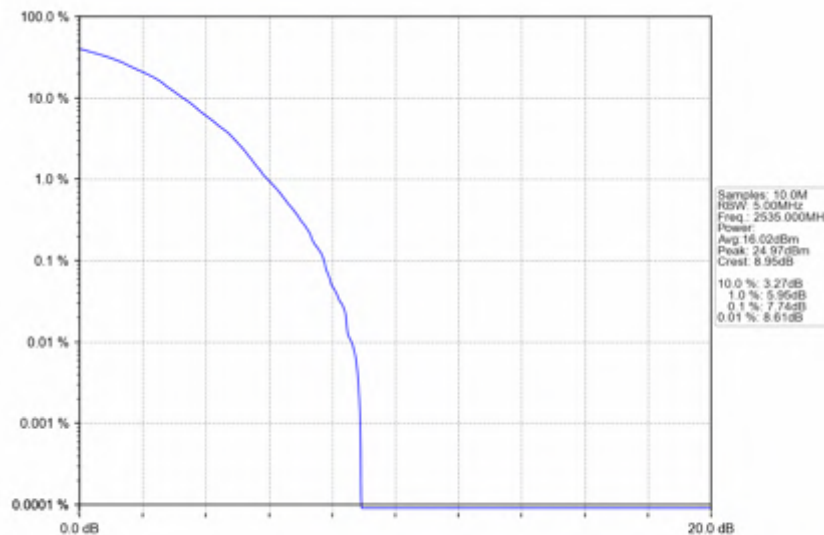
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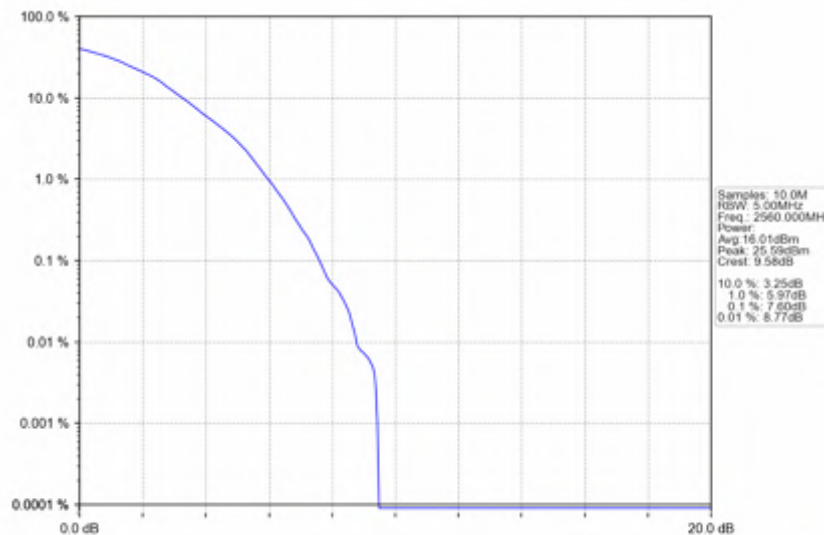
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n7_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_2535MHz_Outer_Full



n7_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_2560MHz_Outer_Full



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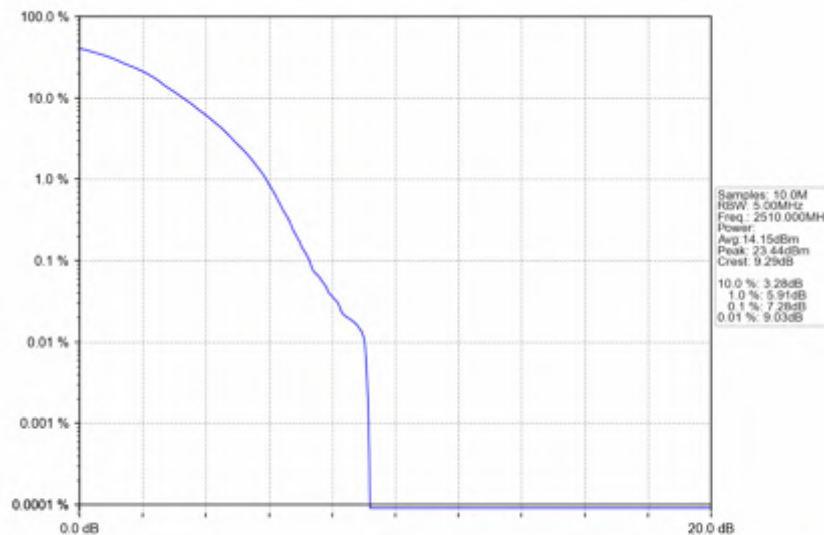
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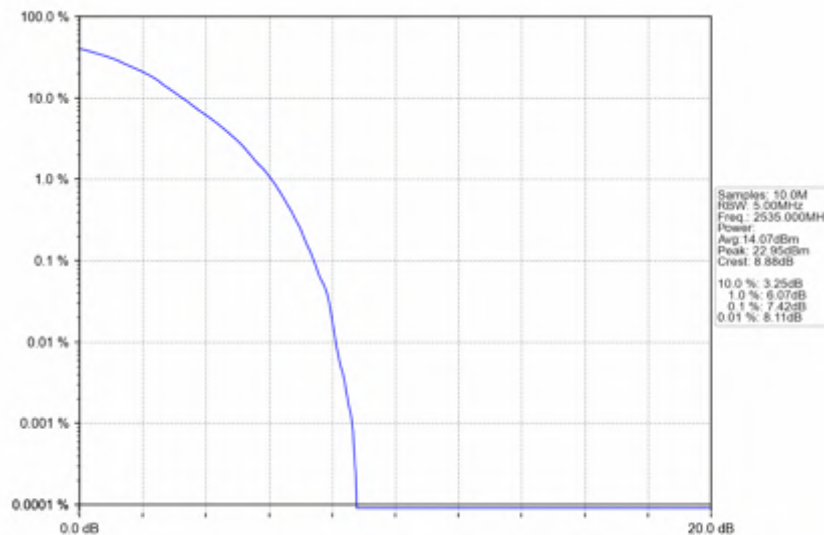
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n7_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_2510MHz_Outer_Full



n7_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full

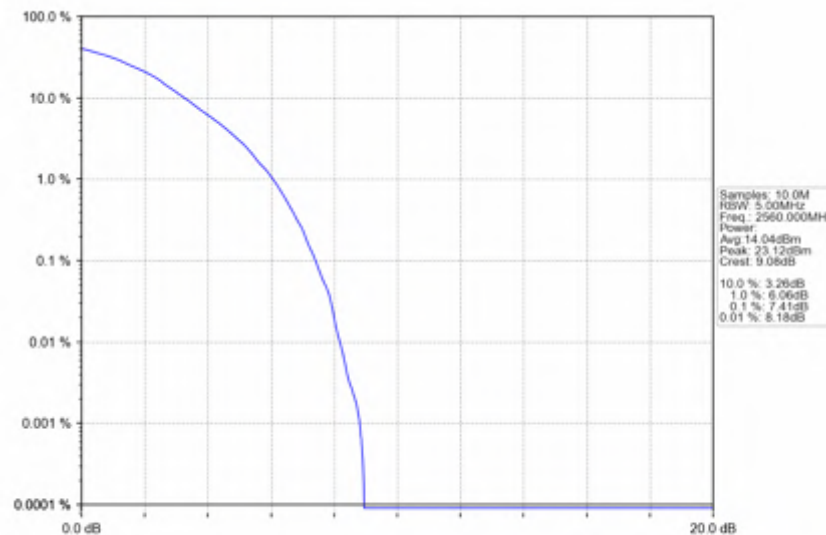


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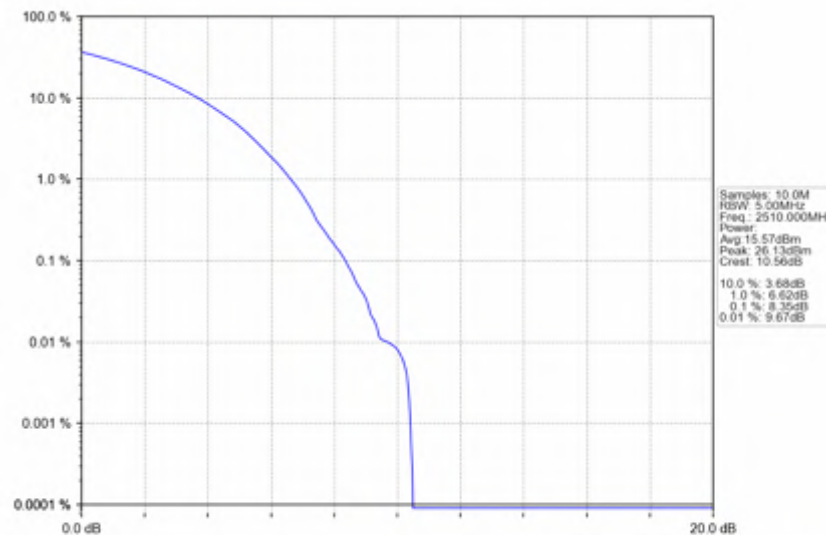
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n7_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_2560MHz_Outer_Full



n7_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_2510MHz_Outer_Full



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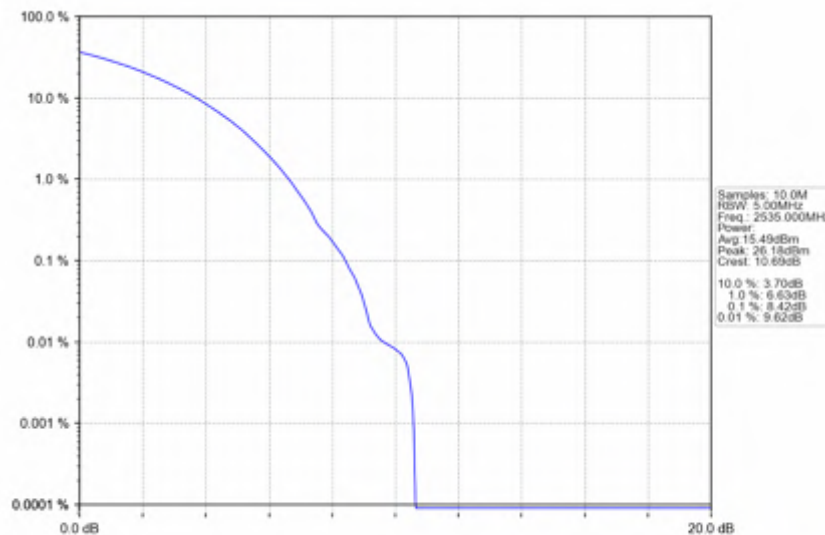
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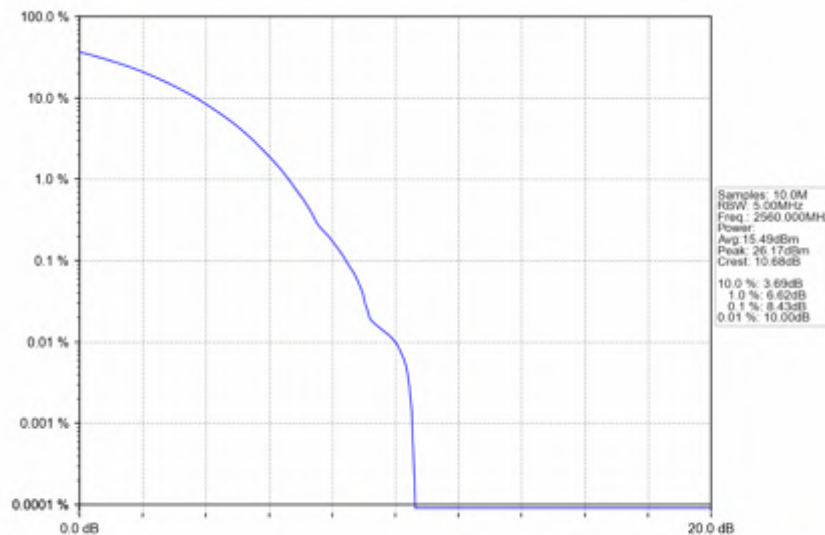
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