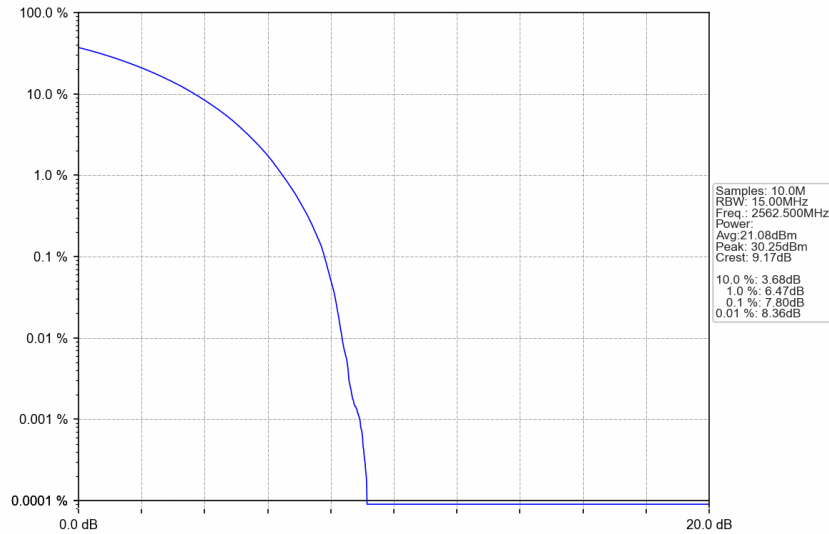
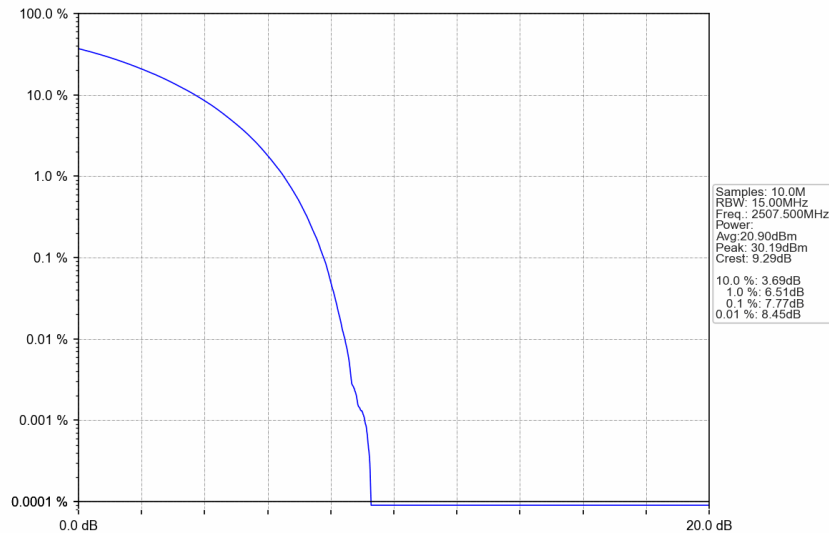


n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_2562.5MHz_Outer_Full



n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_2507.5MHz_Outer_Full

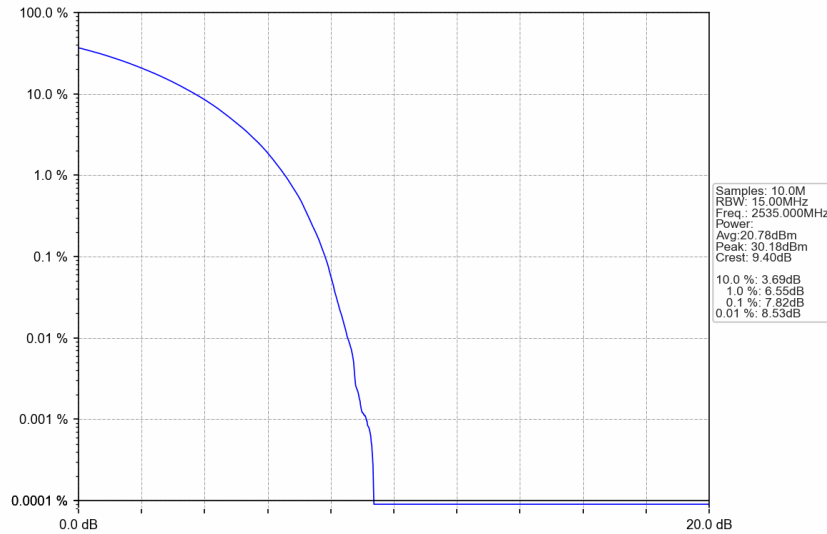


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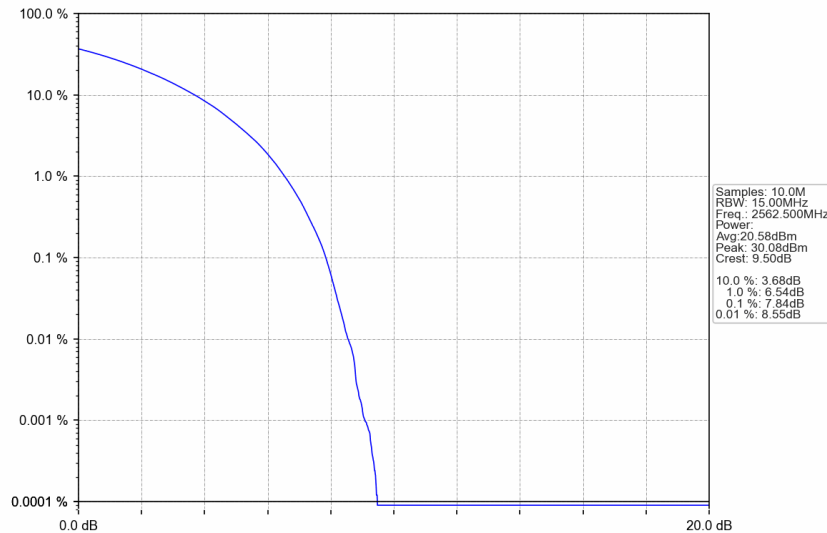
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n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_2535MHz_Outer_Full



n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_2562.5MHz_Outer_Full



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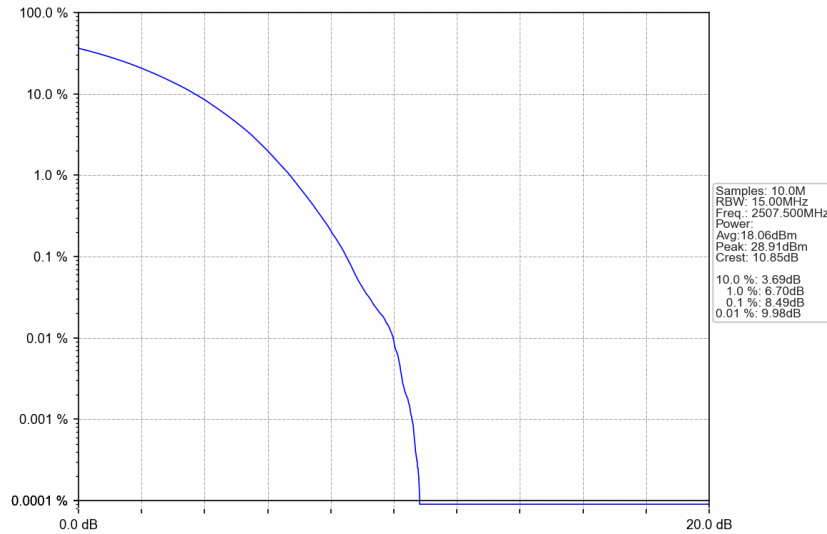
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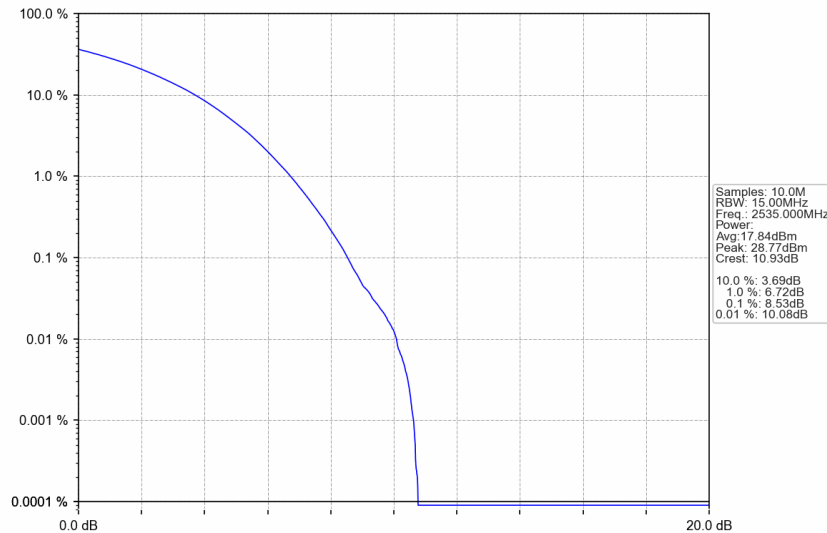
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n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_2507.5MHz_Outer_Full



n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_2535MHz_Outer_Full



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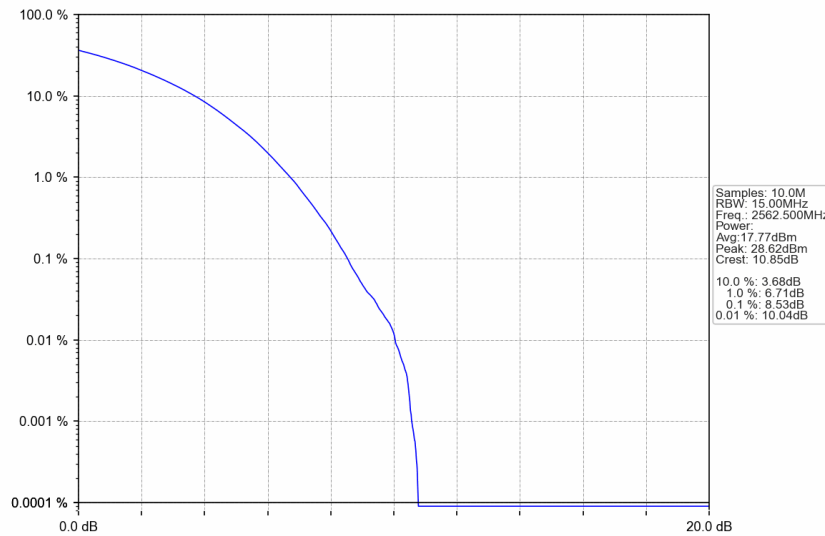


Report No.: SEWM2311000456RG02

Rev.: 01

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n7_15kHz_SISO_NTNV_15MHz_CP-OFDM 256 QAM_2562.5MHz_Outer_Full



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5.4 15k_SISO_20MHz_NTNV

5.4.1 Test Result

5G NR n7 SCS=15kHz SISO 20MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2510	Outer_Full	4.31	/	/	<=13	Pass
	2535	Outer_Full	4.18	/	/	<=13	Pass
	2560	Outer_Full	4.22	/	/	<=13	Pass
DFT-s-OFDM QPSK	2510	Outer_Full	5.15	/	/	<=13	Pass
	2535	Outer_Full	5.12	/	/	<=13	Pass
	2560	Outer_Full	5.23	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2510	Outer_Full	5.95	/	/	<=13	Pass
	2535	Outer_Full	5.94	/	/	<=13	Pass
	2560	Outer_Full	6.00	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2510	Outer_Full	6.23	/	/	<=13	Pass
	2535	Outer_Full	6.26	/	/	<=13	Pass
	2560	Outer_Full	6.34	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2510	Outer_Full	6.51	/	/	<=13	Pass
	2535	Outer_Full	6.53	/	/	<=13	Pass
	2560	Outer_Full	6.56	/	/	<=13	Pass
CP-OFDM QPSK	2510	Outer_Full	7.68	/	/	<=13	Pass
	2535	Outer_Full	7.74	/	/	<=13	Pass
	2560	Outer_Full	7.77	/	/	<=13	Pass
CP-OFDM 16 QAM	2510	Outer_Full	7.65	/	/	<=13	Pass
	2535	Outer_Full	7.72	/	/	<=13	Pass
	2560	Outer_Full	7.80	/	/	<=13	Pass
CP-OFDM 64 QAM	2510	Outer_Full	7.94	/	/	<=13	Pass
	2535	Outer_Full	8.03	/	/	<=13	Pass
	2560	Outer_Full	8.07	/	/	<=13	Pass
CP-OFDM 256 QAM	2510	Outer_Full	8.46	/	/	<=13	Pass
	2535	Outer_Full	8.47	/	/	<=13	Pass
	2560	Outer_Full	8.47	/	/	<=13	Pass

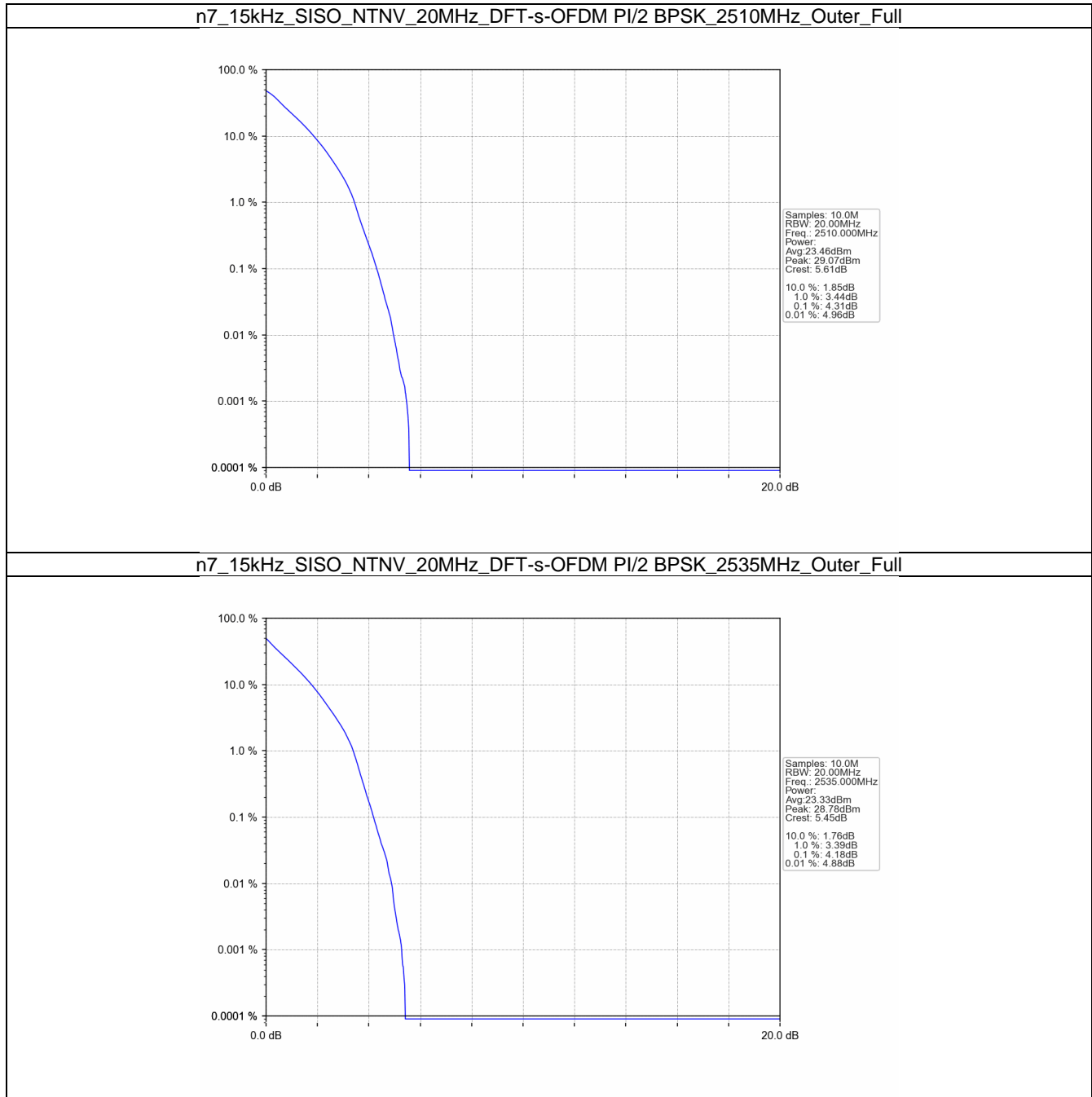


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5.4.2 Test Graph

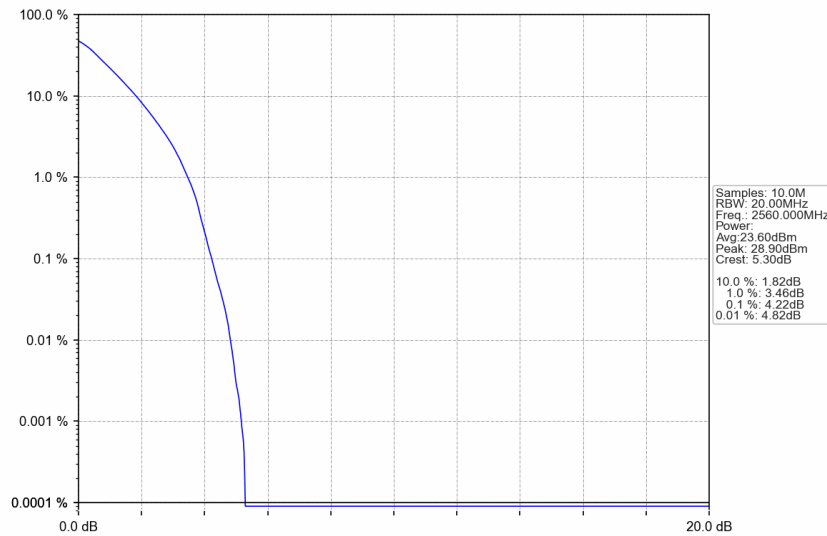


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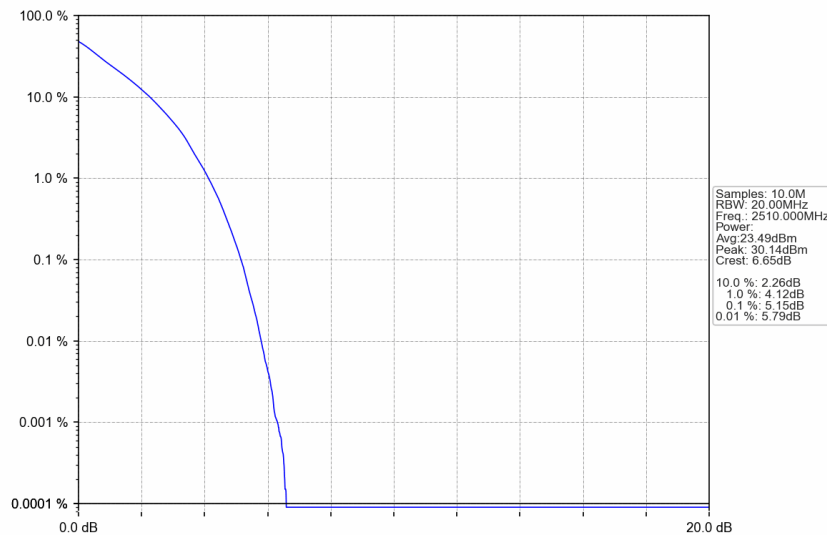
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n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_2560MHz_Outer_Full



n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_2510MHz_Outer_Full



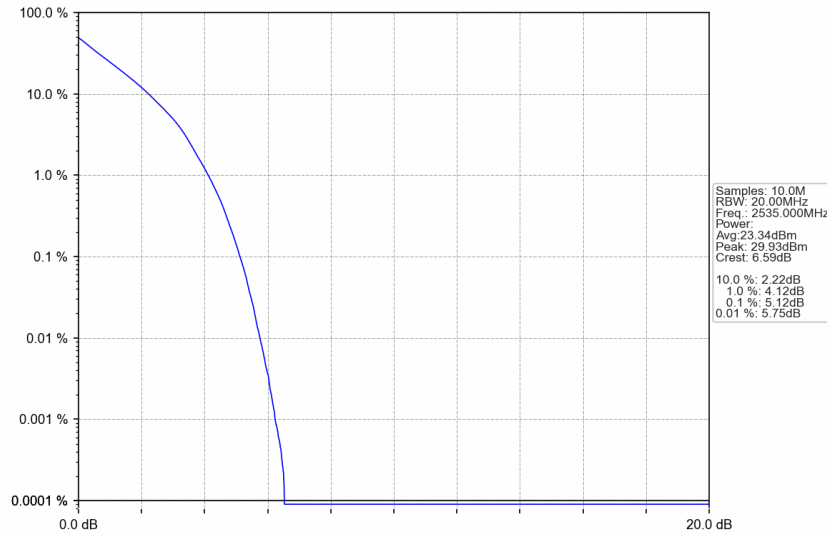
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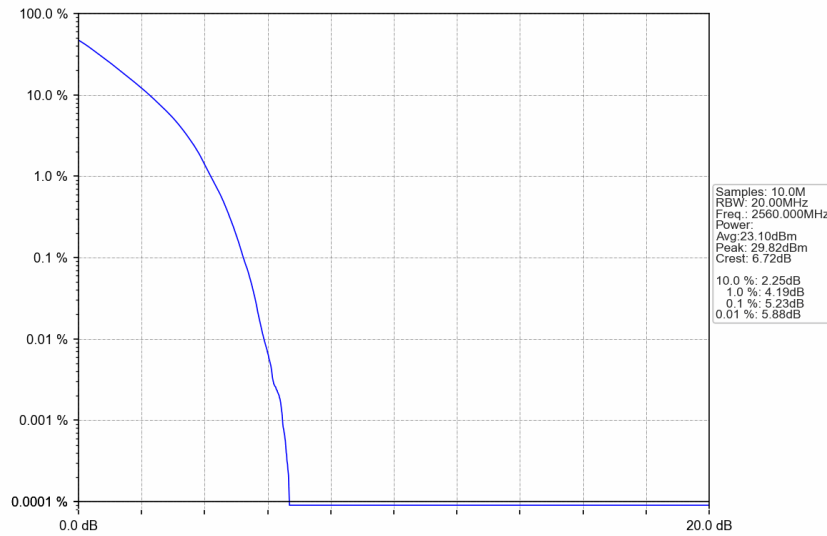
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n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_2535MHz_Outer_Full



n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_2560MHz_Outer_Full

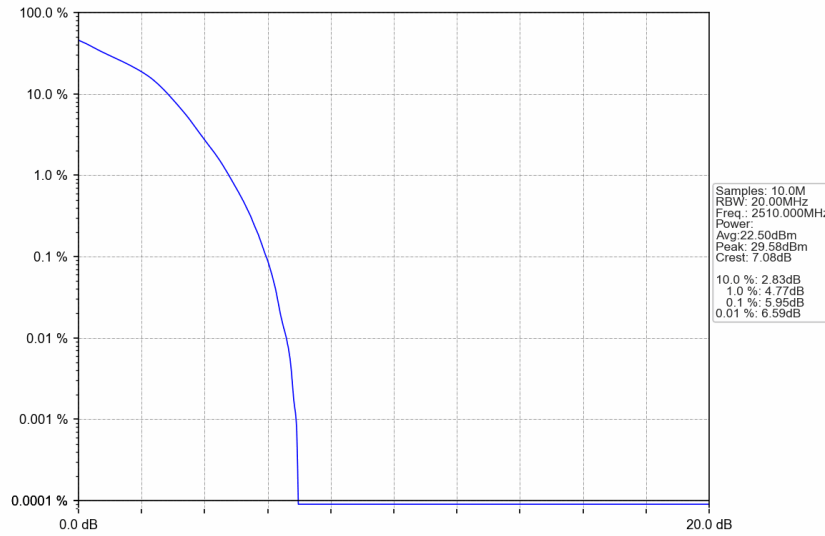


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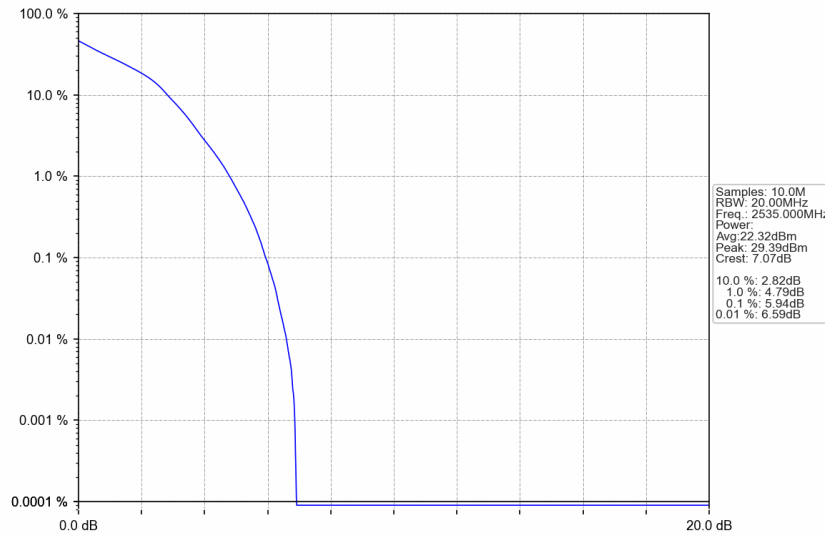
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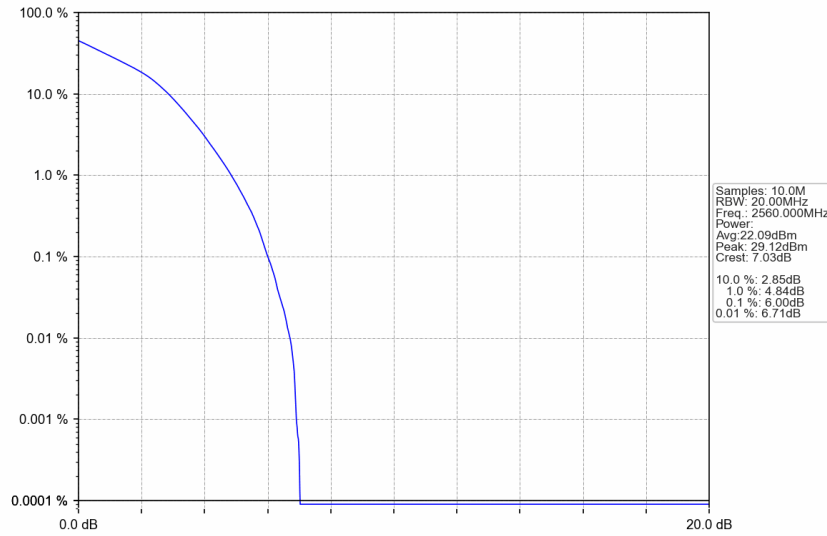
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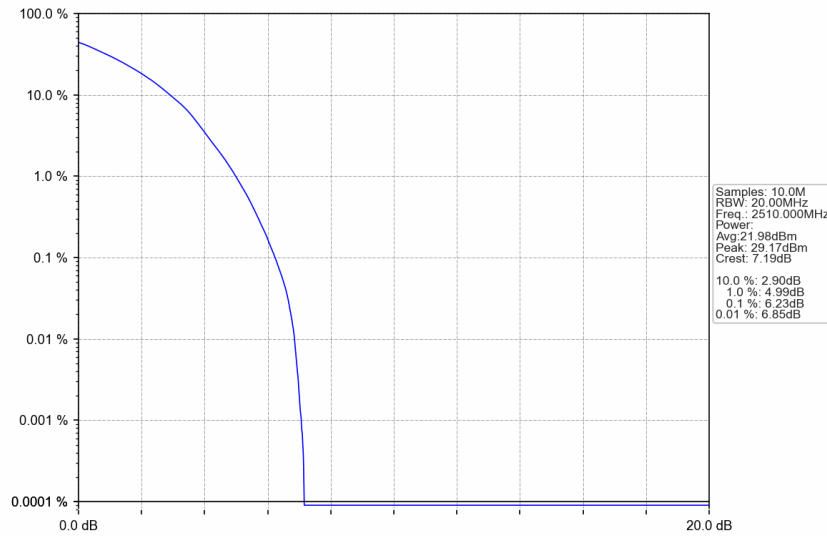
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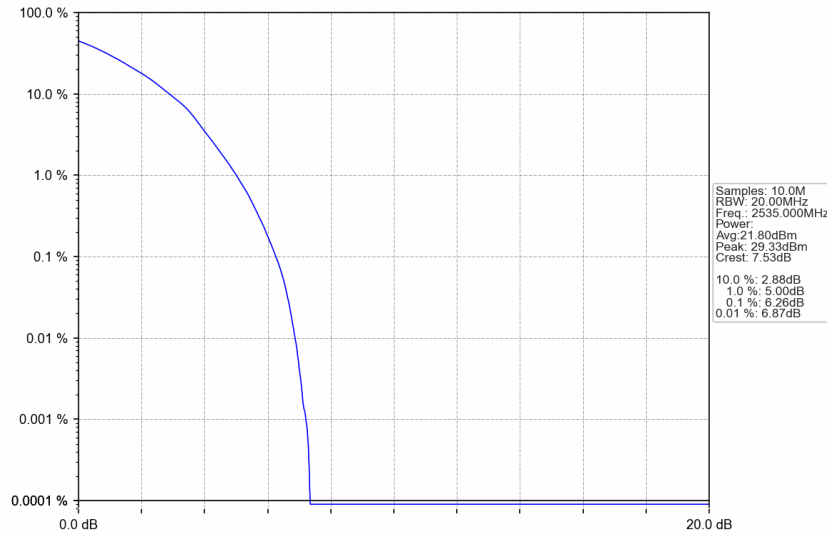


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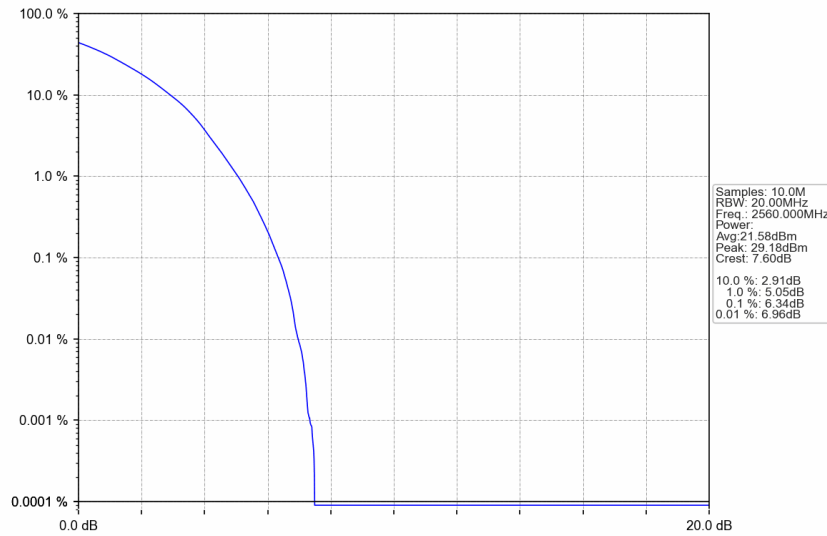
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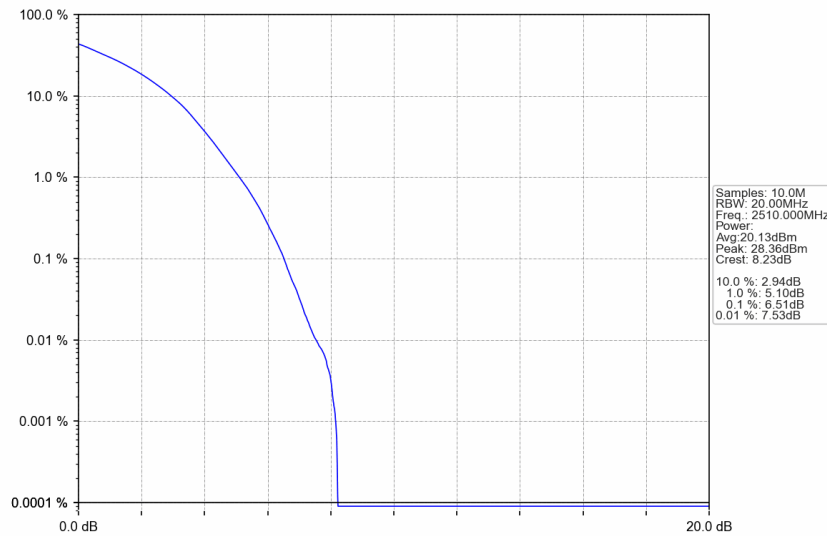
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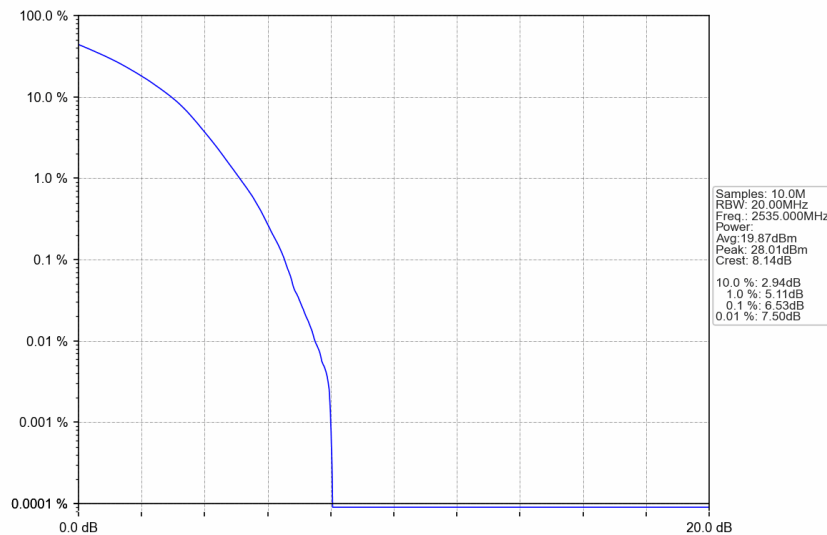
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n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_2510MHz_Outer_Full



n7_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_2535MHz_Outer_Full

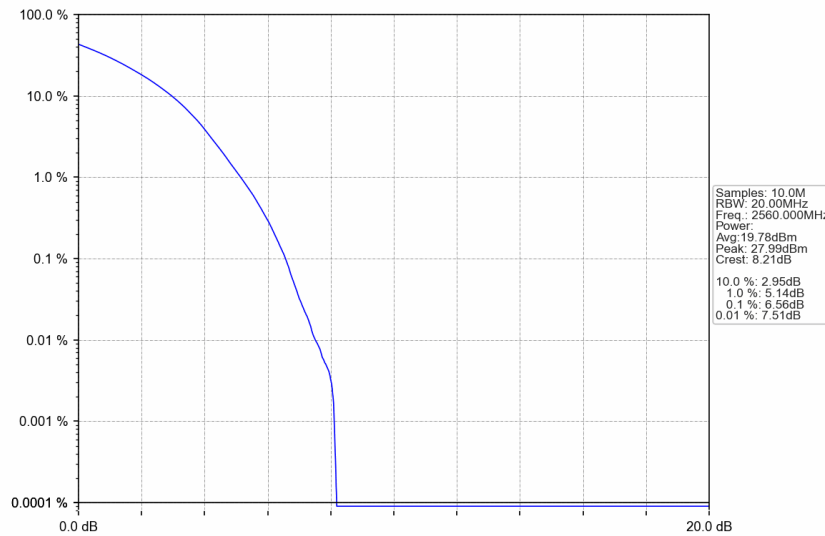


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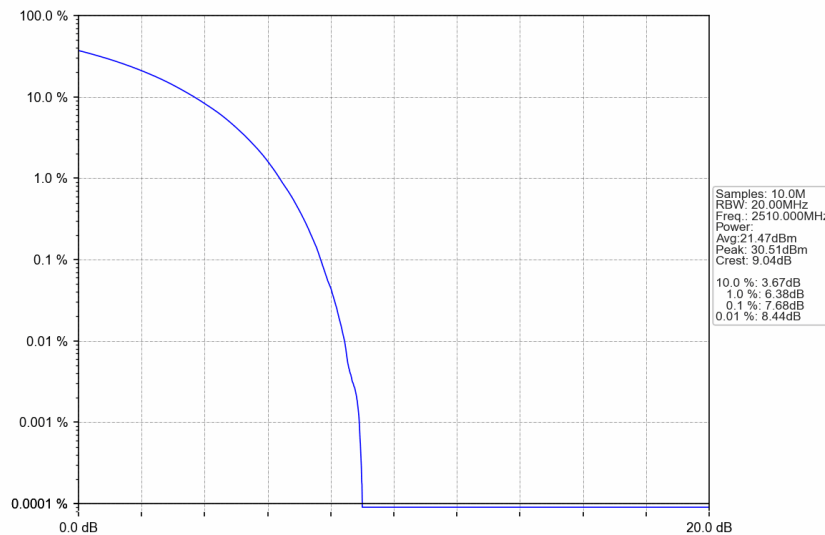
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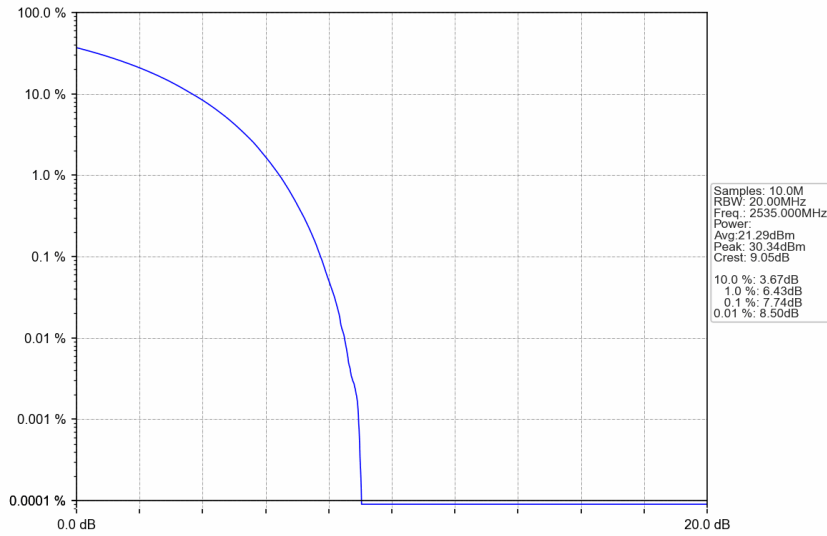
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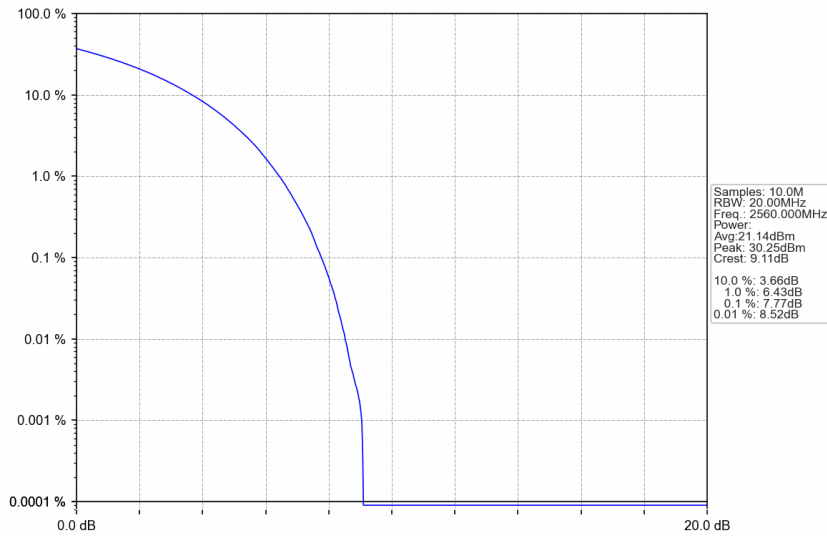
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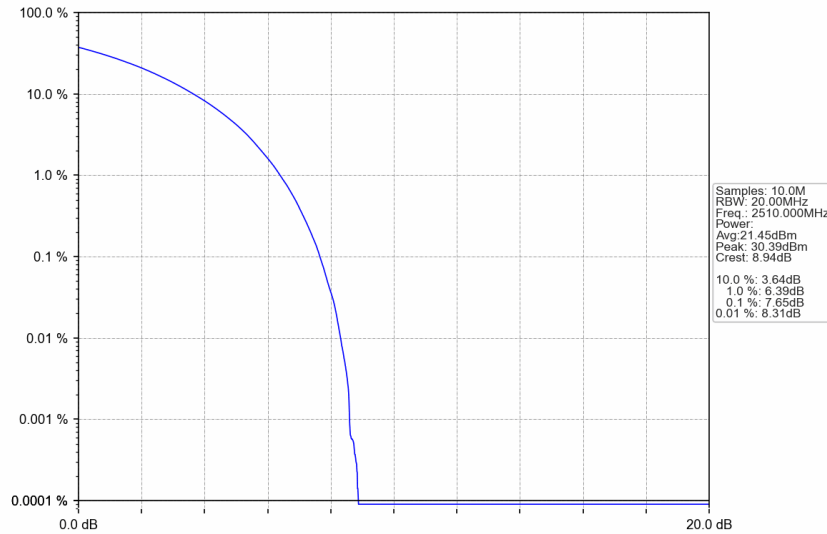


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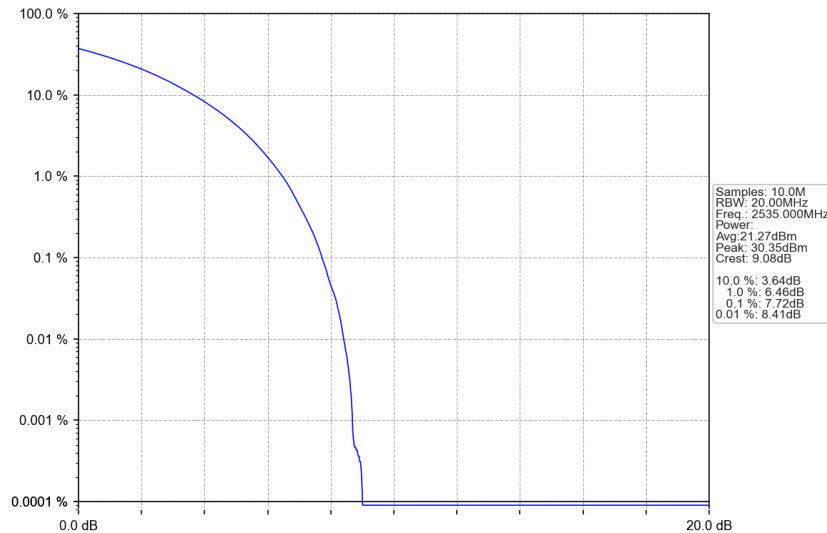
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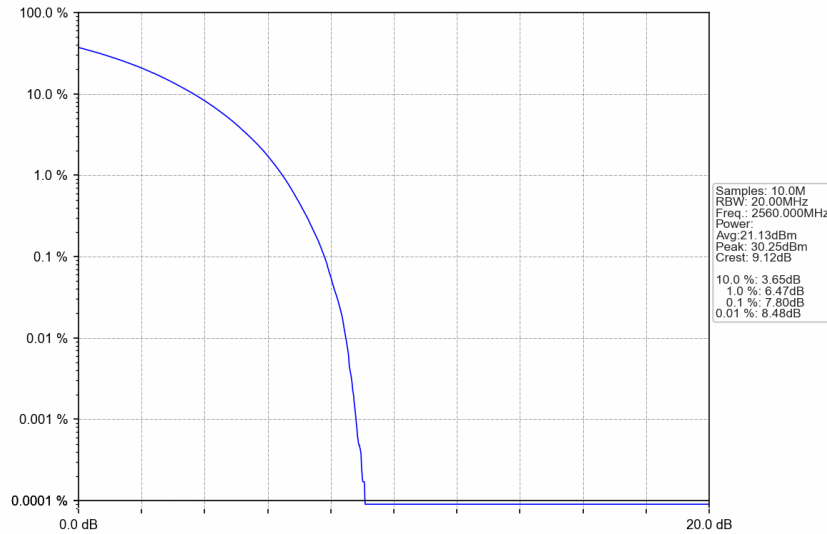
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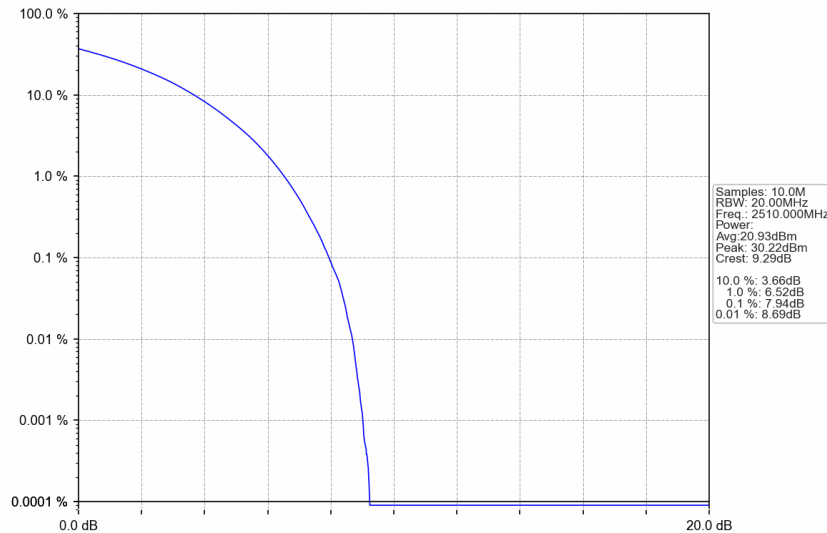
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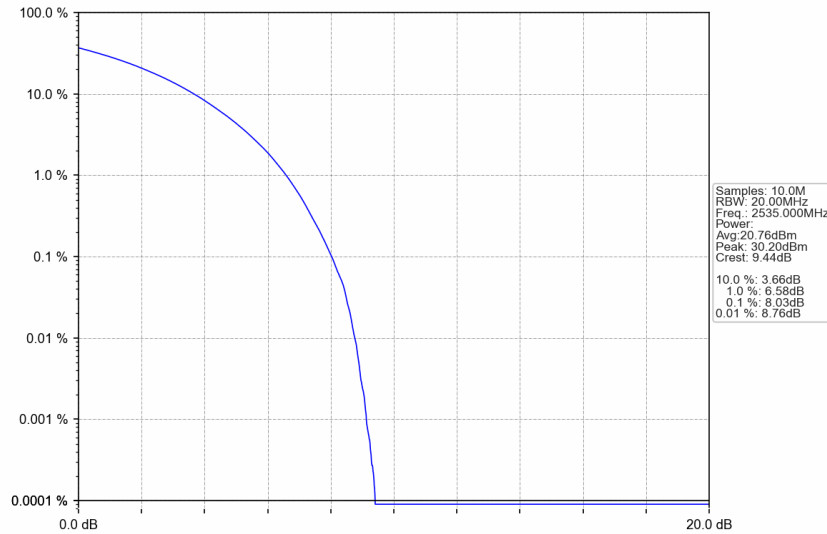
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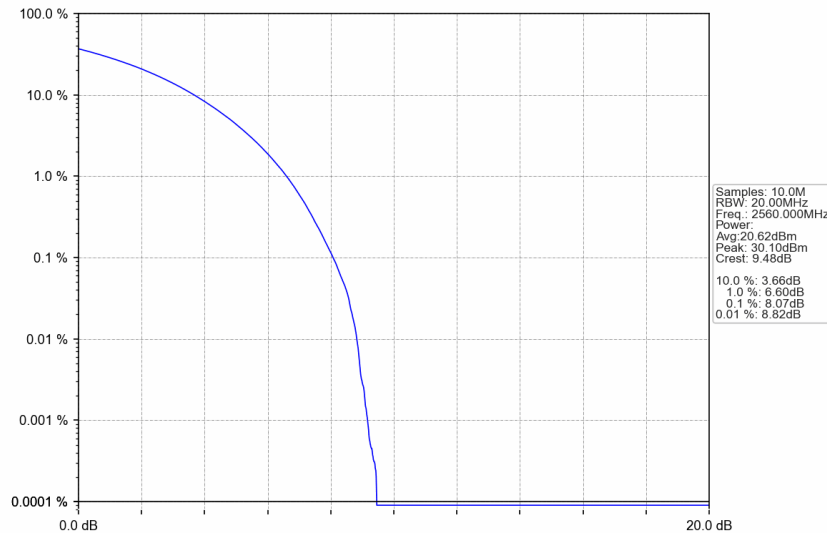
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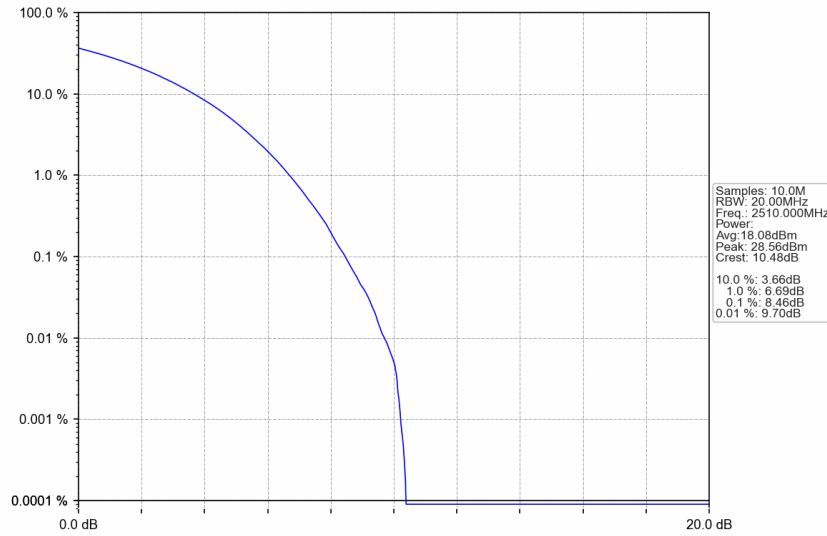
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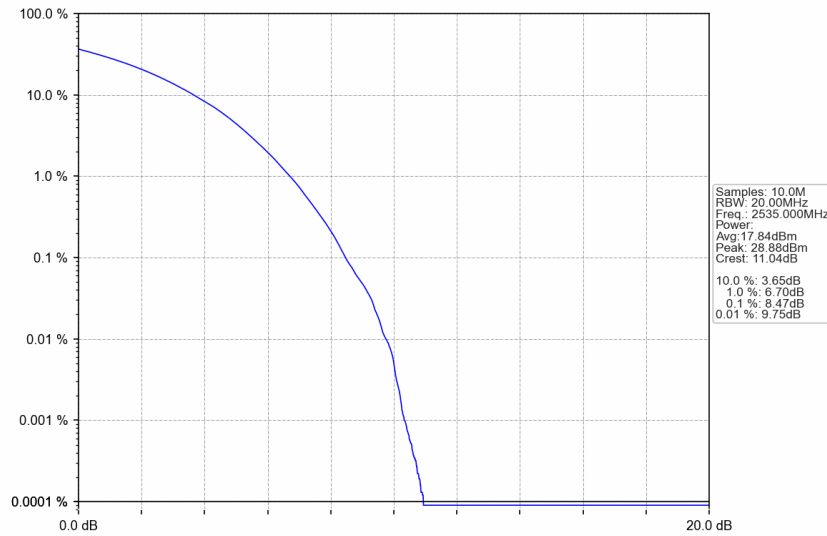
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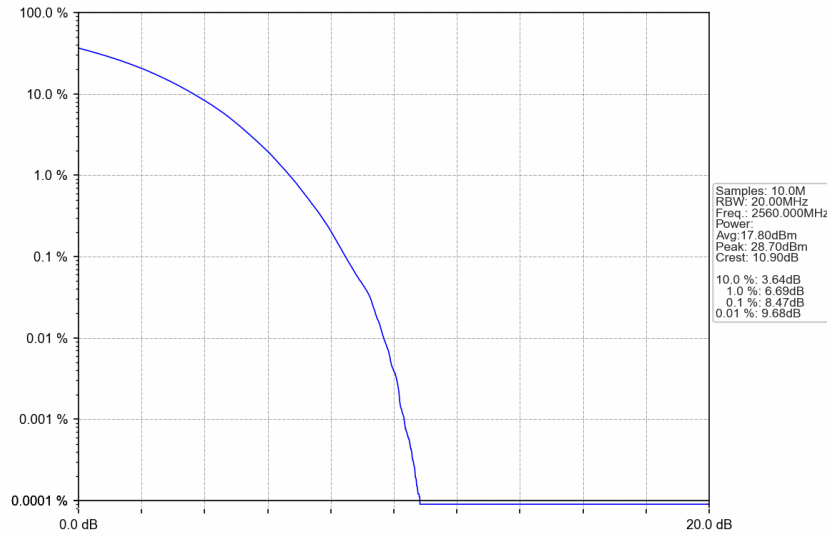
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5.5 15k_SISO_25MHz_NTNV

5.5.1 Test Result

5G NR n7 SCS=15kHz SISO 25MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2512.5	Outer_Full	4.91	/	/	<=13	Pass
	2535	Outer_Full	4.68	/	/	<=13	Pass
	2557.5	Outer_Full	4.59	/	/	<=13	Pass
DFT-s-OFDM QPSK	2512.5	Outer_Full	5.07	/	/	<=13	Pass
	2535	Outer_Full	4.92	/	/	<=13	Pass
	2557.5	Outer_Full	4.99	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2512.5	Outer_Full	5.97	/	/	<=13	Pass
	2535	Outer_Full	5.92	/	/	<=13	Pass
	2557.5	Outer_Full	6.03	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2512.5	Outer_Full	6.26	/	/	<=13	Pass
	2535	Outer_Full	6.25	/	/	<=13	Pass
	2557.5	Outer_Full	6.34	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2512.5	Outer_Full	6.48	/	/	<=13	Pass
	2535	Outer_Full	6.46	/	/	<=13	Pass
	2557.5	Outer_Full	6.51	/	/	<=13	Pass
CP-OFDM QPSK	2512.5	Outer_Full	7.76	/	/	<=13	Pass
	2535	Outer_Full	7.77	/	/	<=13	Pass
	2557.5	Outer_Full	7.86	/	/	<=13	Pass
CP-OFDM 16 QAM	2512.5	Outer_Full	7.89	/	/	<=13	Pass
	2535	Outer_Full	7.91	/	/	<=13	Pass
	2557.5	Outer_Full	7.99	/	/	<=13	Pass
CP-OFDM 64 QAM	2512.5	Outer_Full	7.90	/	/	<=13	Pass
	2535	Outer_Full	7.94	/	/	<=13	Pass
	2557.5	Outer_Full	7.98	/	/	<=13	Pass
CP-OFDM 256 QAM	2512.5	Outer_Full	8.39	/	/	<=13	Pass
	2535	Outer_Full	8.47	/	/	<=13	Pass
	2557.5	Outer_Full	8.44	/	/	<=13	Pass

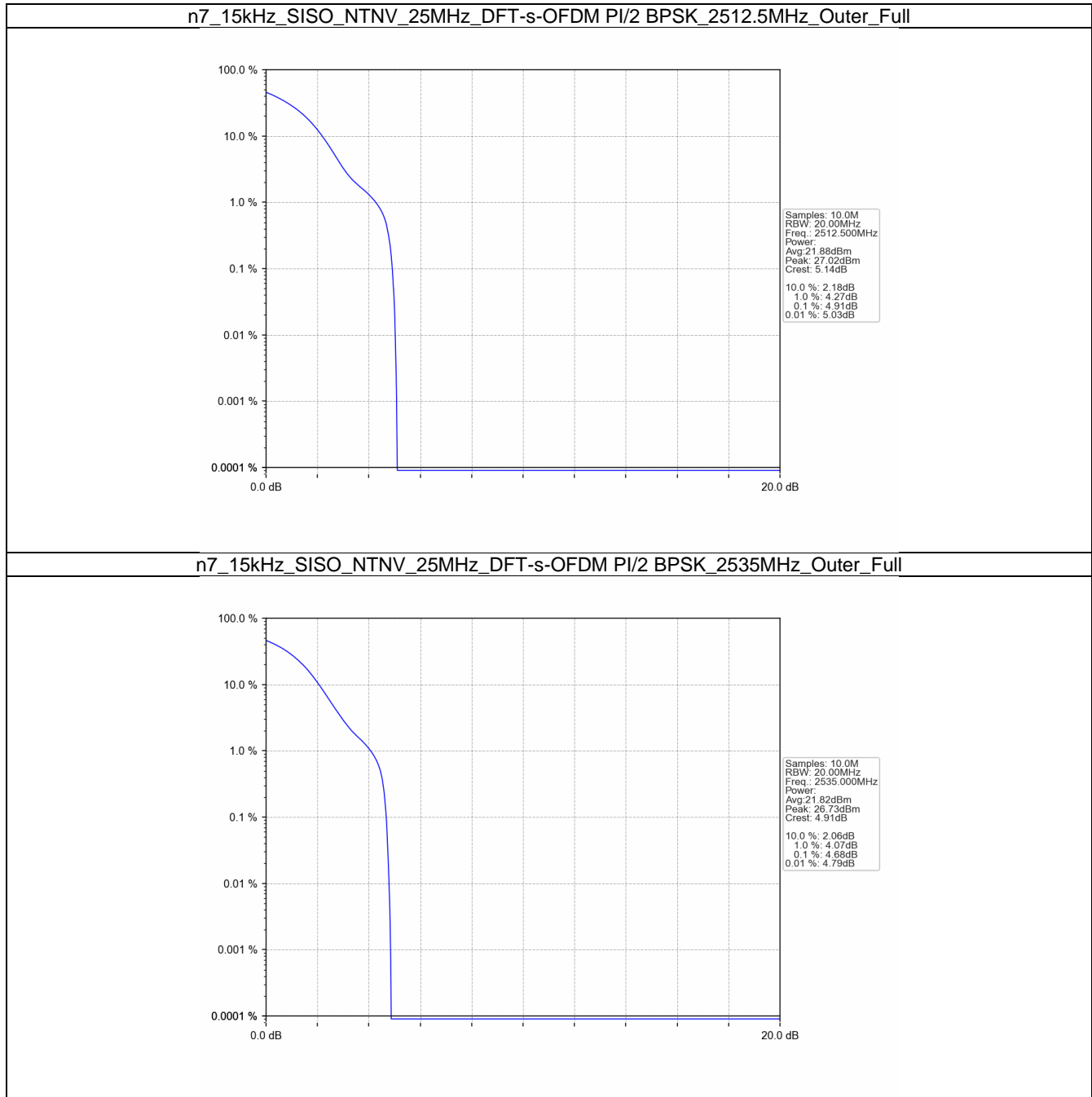


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5.5.2 Test Graph

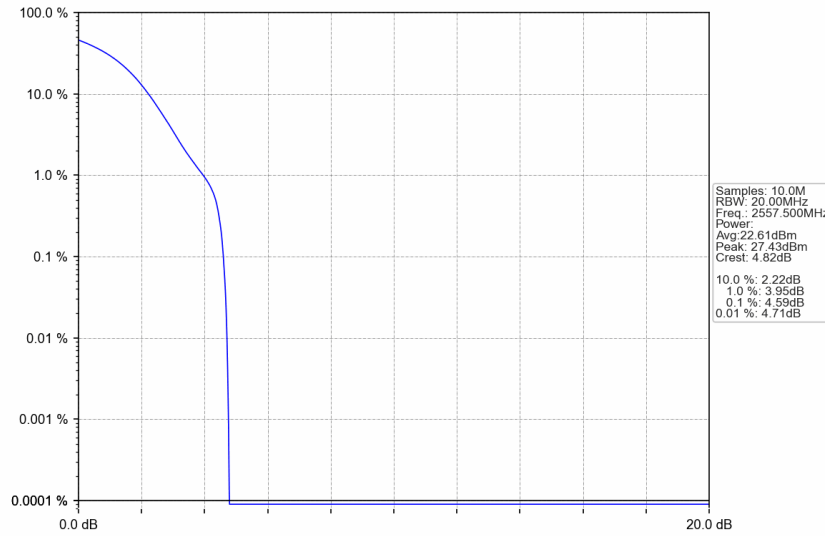


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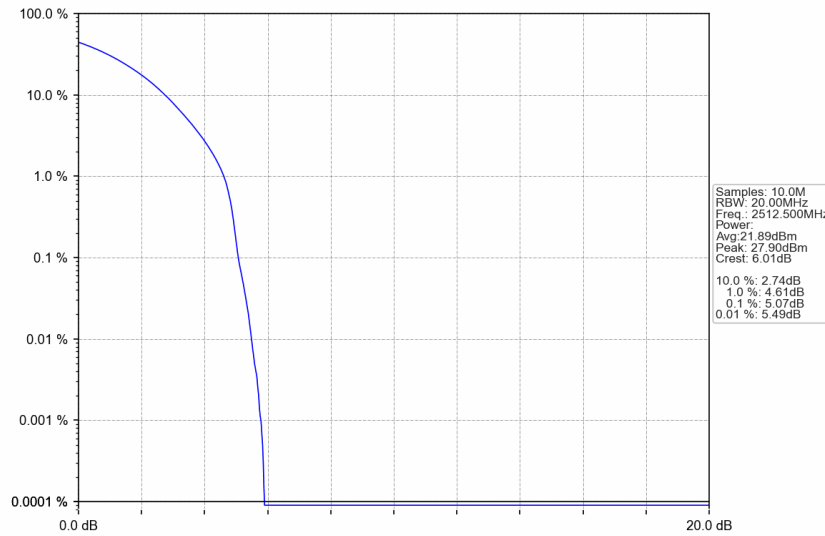
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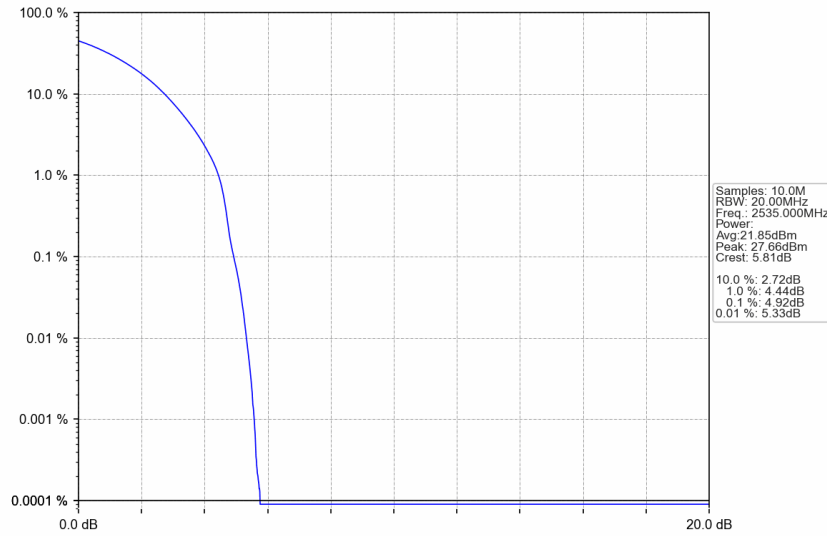


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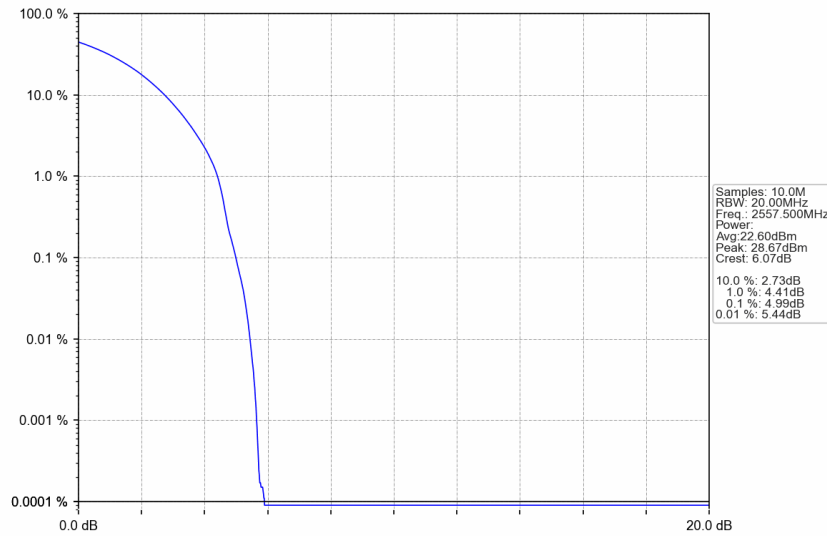
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n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_2535MHz_Outer_Full



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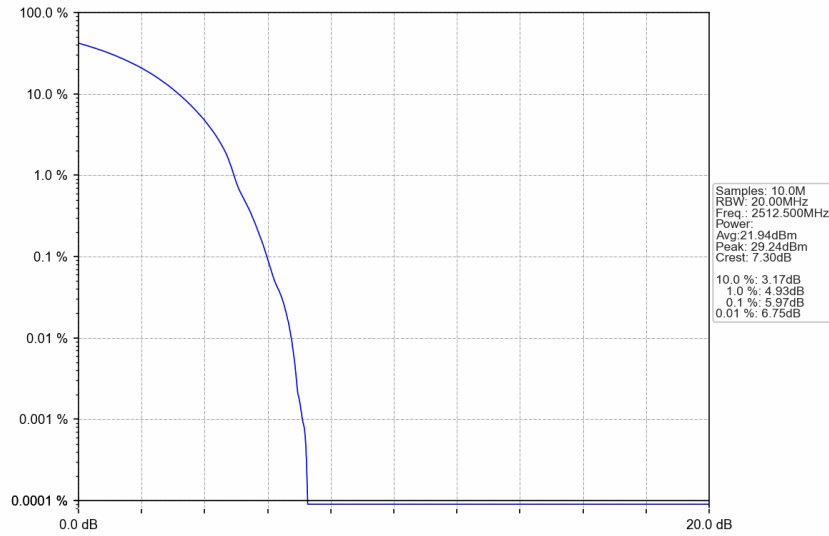


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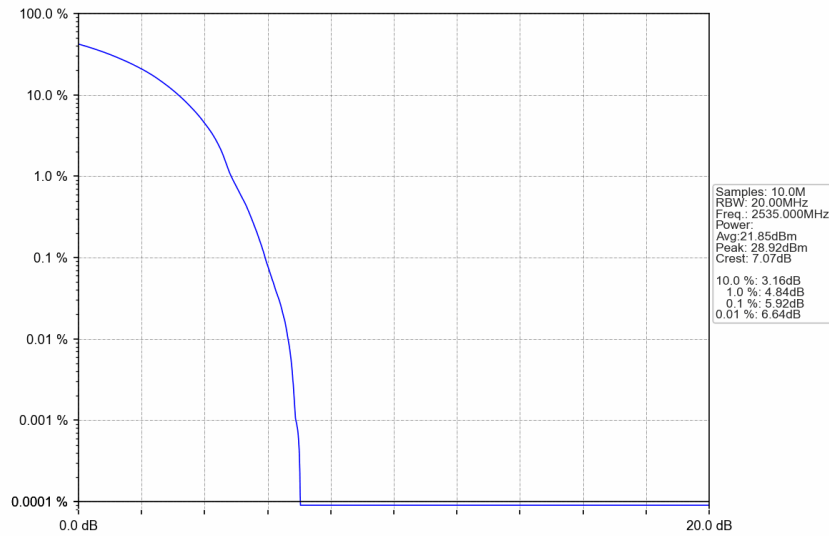
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n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM 16 QAM_2512.5MHz_Outer_Full



n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM 16 QAM_2535MHz_Outer_Full



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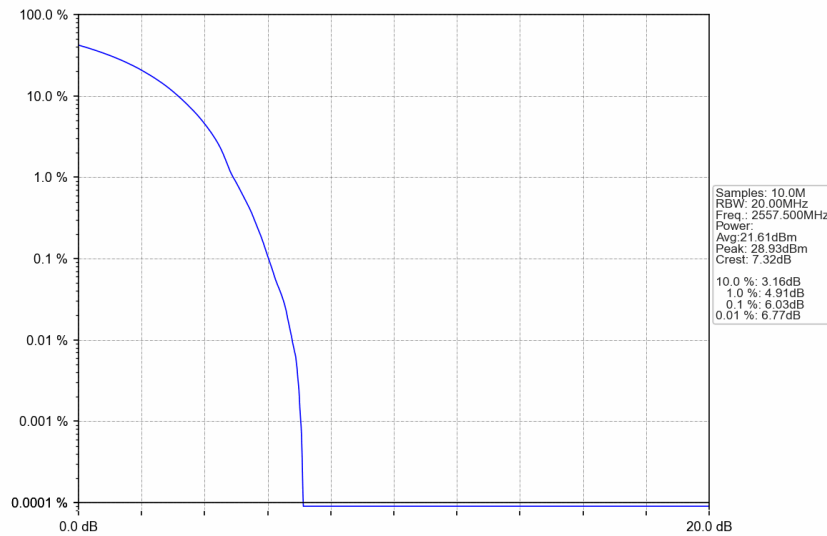
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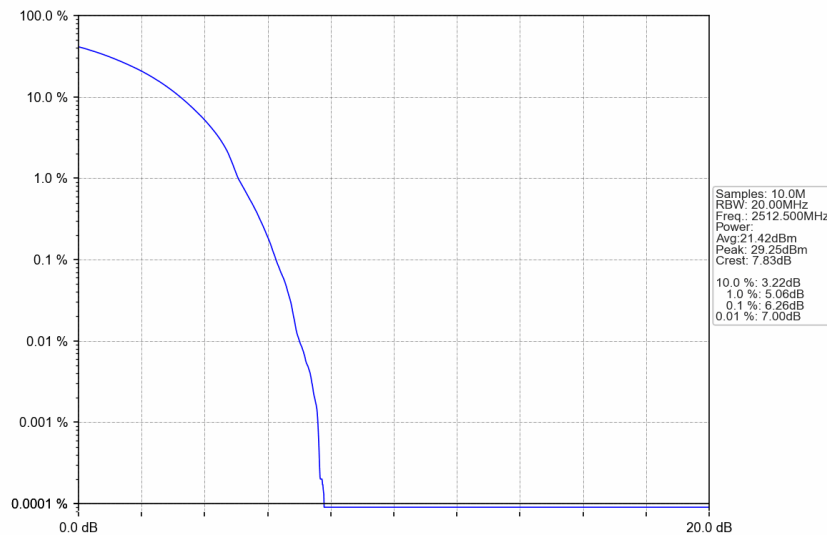
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n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM 16 QAM_2557.5MHz_Outer_Full



n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM 64 QAM_2512.5MHz_Outer_Full

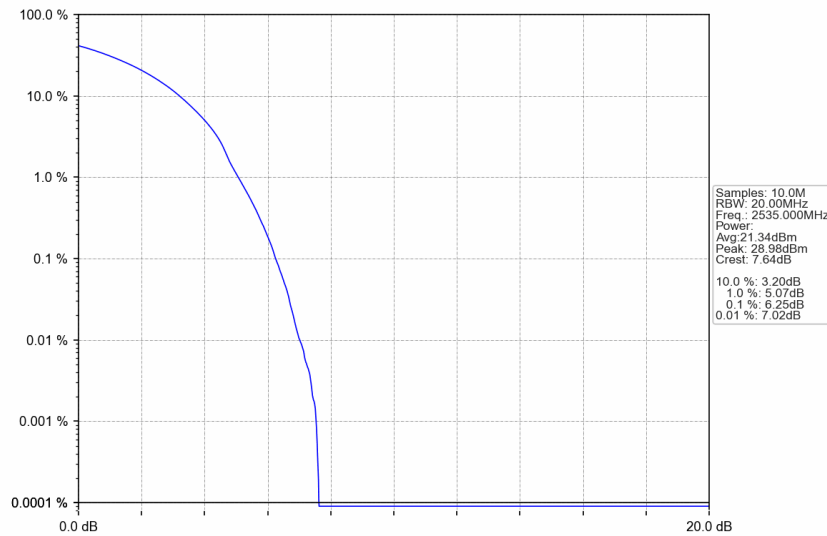


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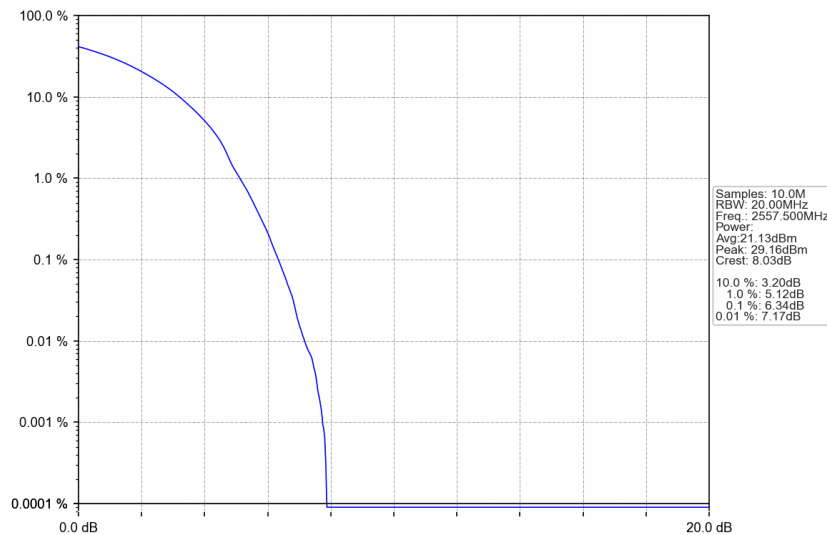
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n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM 64 QAM_2535MHz_Outer_Full



n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM 64 QAM_2557.5MHz_Outer_Full

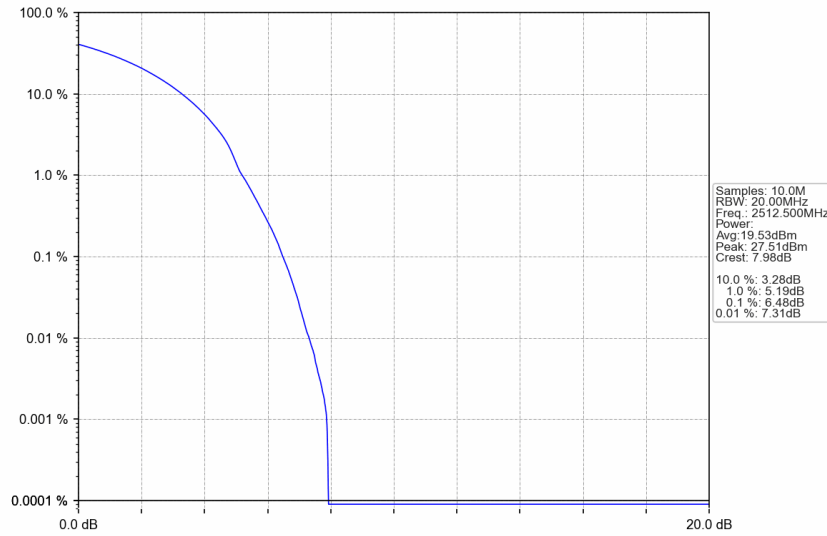


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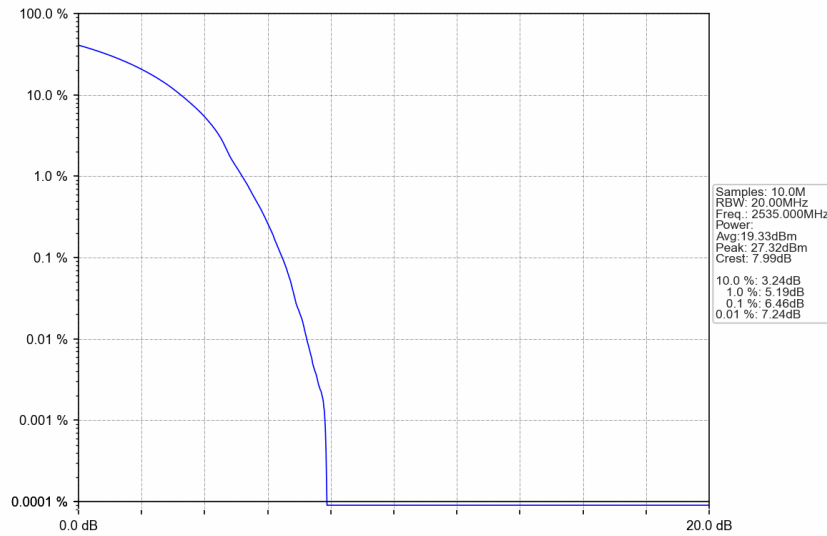
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n7_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM 256 QAM_2512.5MHz_Outer_Full



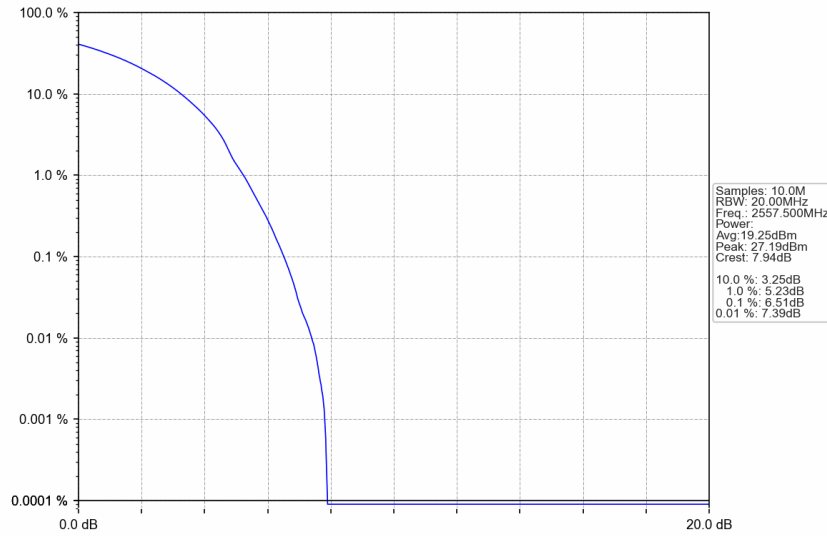
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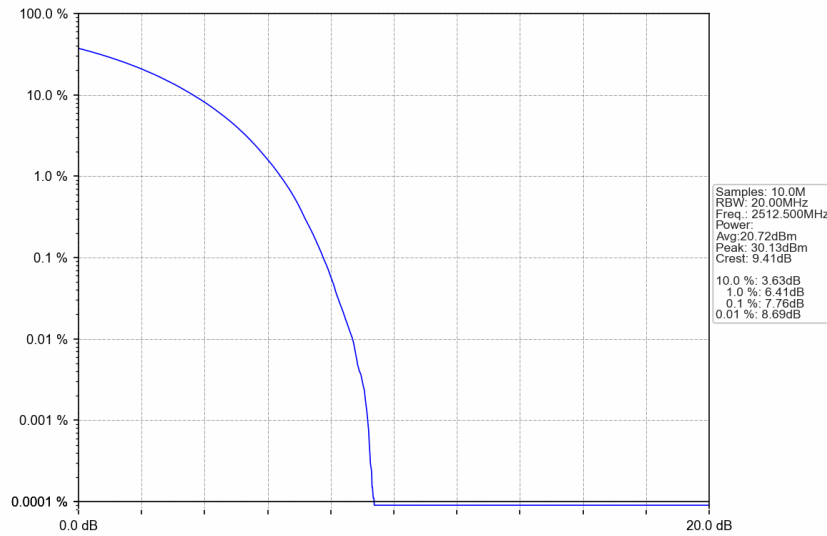
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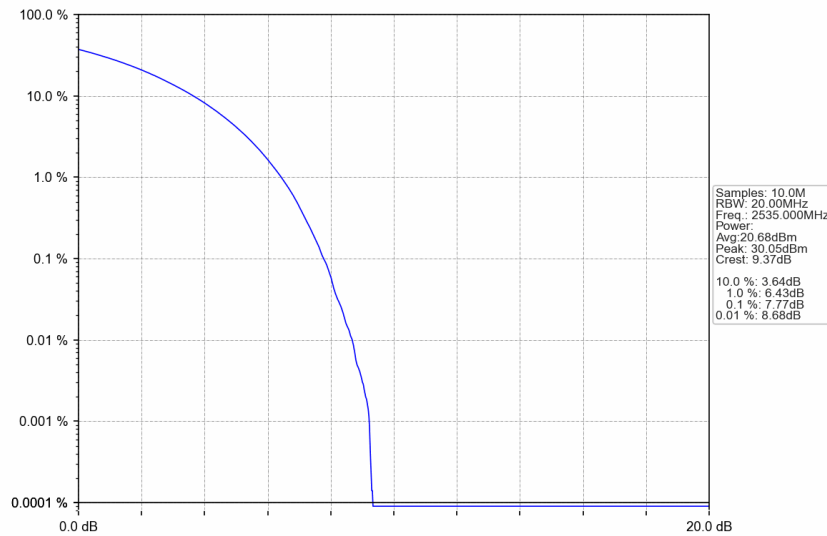


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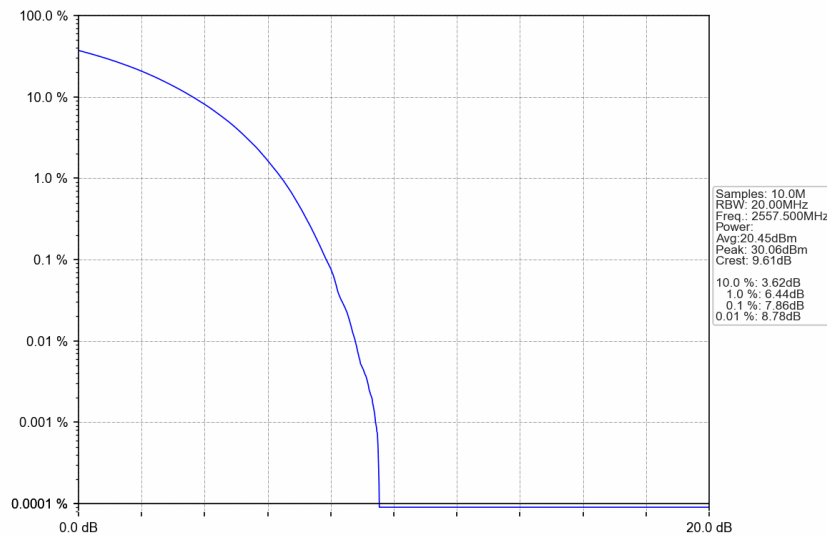
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n7_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_2535MHz_Outer_Full



n7_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_2557.5MHz_Outer_Full

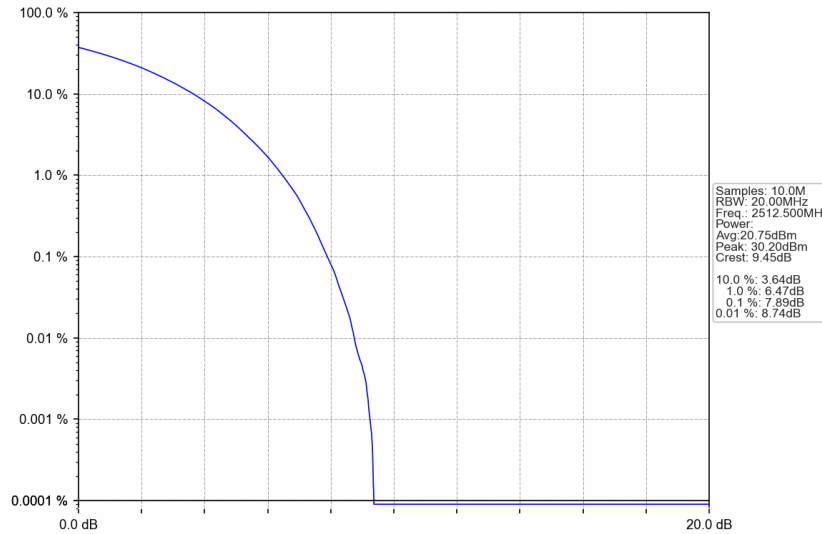


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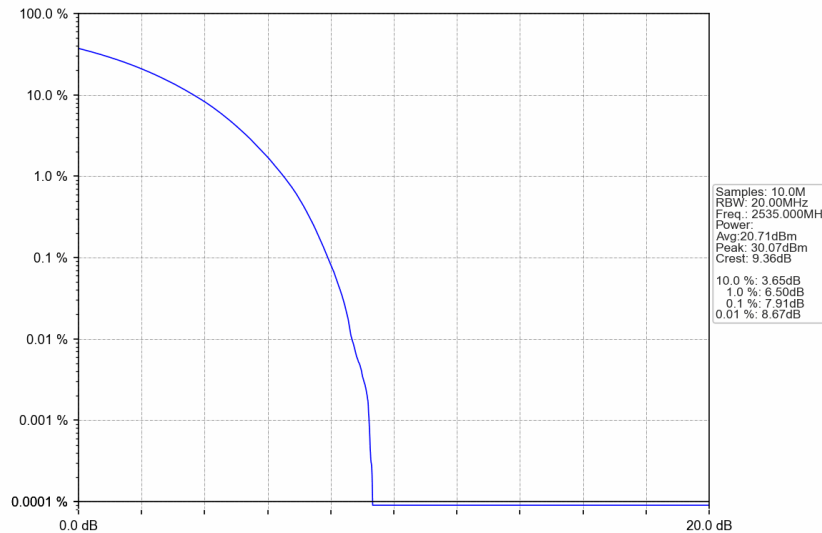
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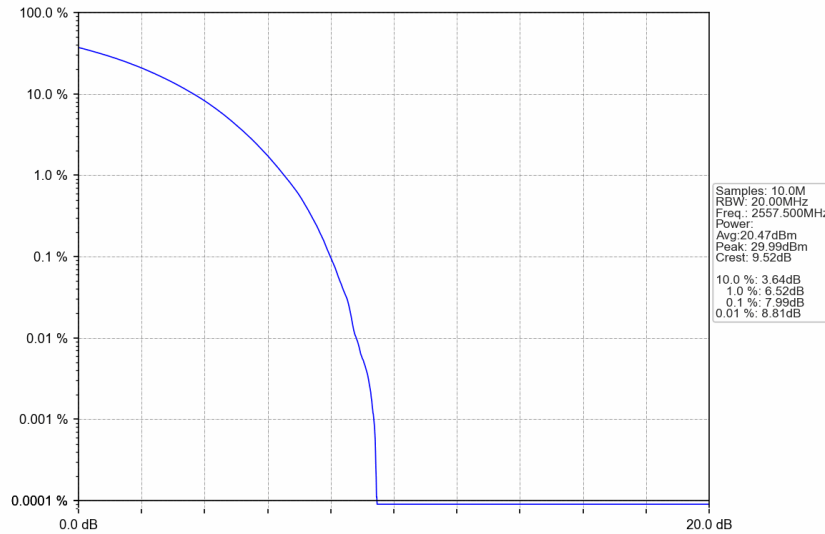
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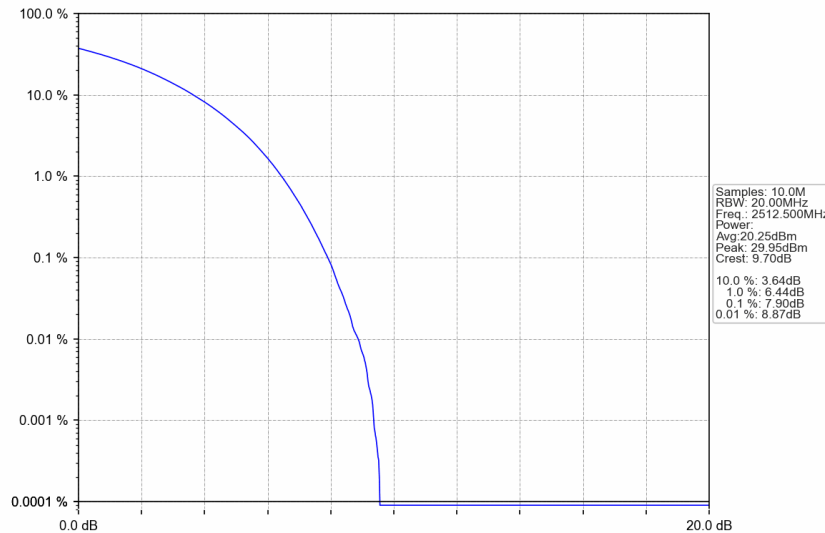
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n7_15kHz_SISO_NTNV_25MHz_CP-OFDM 64 QAM_2512.5MHz_Outer_Full

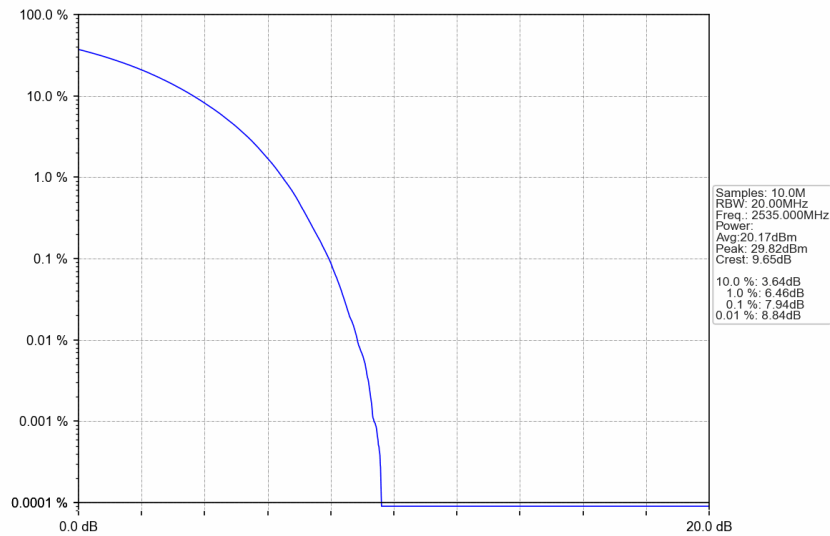


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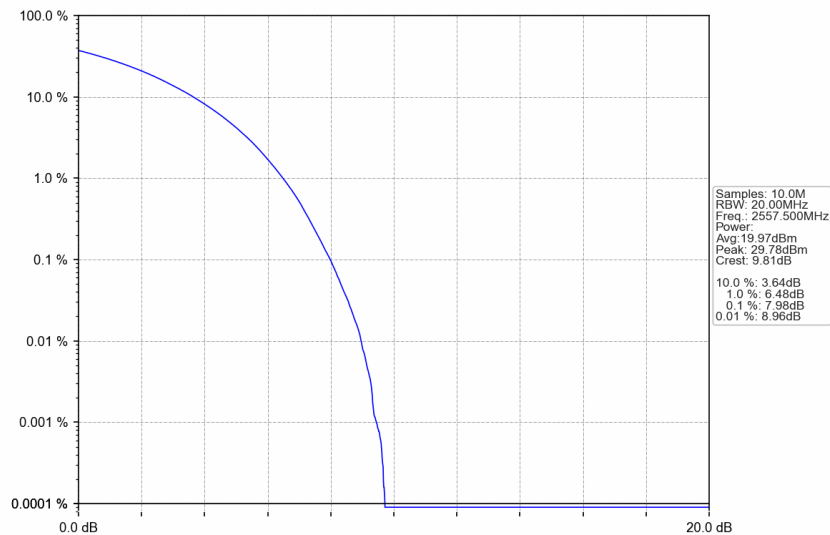
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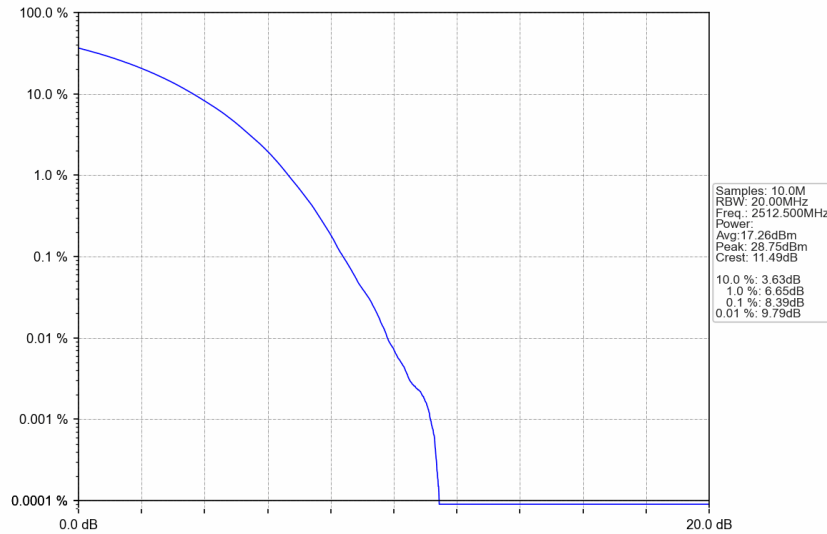
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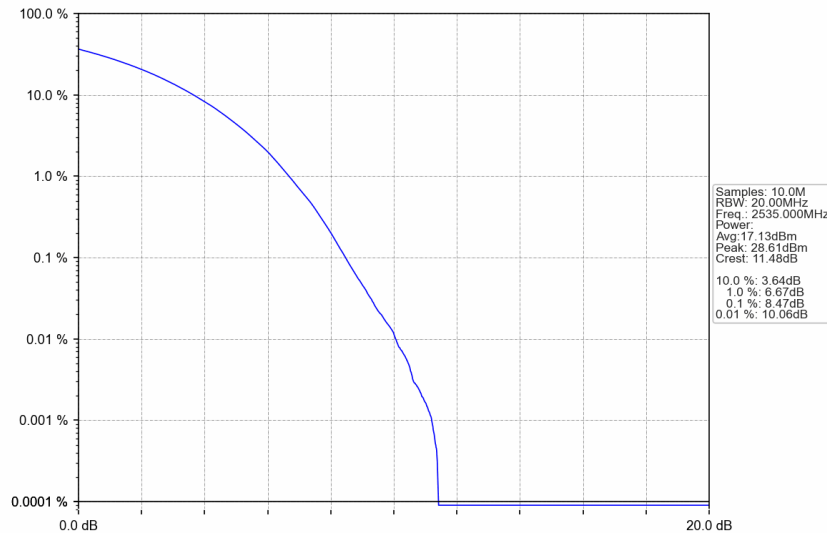
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n7_15kHz_SISO_NTNV_25MHz_CP-OFDM 256 QAM_2535MHz_Outer_Full



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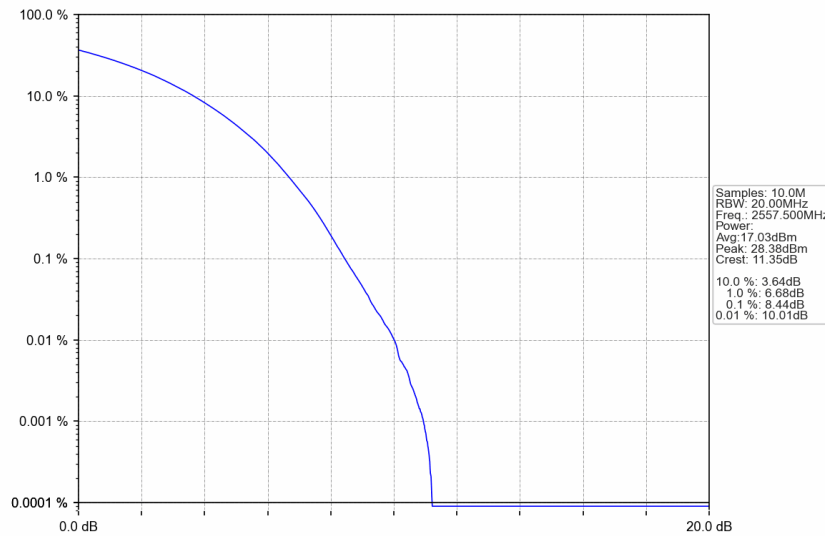


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Rev.: 01

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5.6 15k_SISO_30MHz_NTNV

5.6.1 Test Result

5G NR n7 SCS=15kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2515	Outer_Full	3.97	/	/	<=13	Pass
	2535	Outer_Full	3.81	/	/	<=13	Pass
	2555	Outer_Full	4.00	/	/	<=13	Pass
DFT-s-OFDM QPSK	2515	Outer_Full	5.36	/	/	<=13	Pass
	2535	Outer_Full	5.27	/	/	<=13	Pass
	2555	Outer_Full	5.38	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2515	Outer_Full	6.45	/	/	<=13	Pass
	2535	Outer_Full	6.43	/	/	<=13	Pass
	2555	Outer_Full	6.47	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2515	Outer_Full	6.66	/	/	<=13	Pass
	2535	Outer_Full	6.60	/	/	<=13	Pass
	2555	Outer_Full	6.67	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2515	Outer_Full	6.79	/	/	<=13	Pass
	2535	Outer_Full	6.75	/	/	<=13	Pass
	2555	Outer_Full	6.82	/	/	<=13	Pass
CP-OFDM QPSK	2515	Outer_Full	8.03	/	/	<=13	Pass
	2535	Outer_Full	7.98	/	/	<=13	Pass
	2555	Outer_Full	8.08	/	/	<=13	Pass
CP-OFDM 16 QAM	2515	Outer_Full	8.00	/	/	<=13	Pass
	2535	Outer_Full	7.95	/	/	<=13	Pass
	2555	Outer_Full	8.06	/	/	<=13	Pass
CP-OFDM 64 QAM	2515	Outer_Full	8.10	/	/	<=13	Pass
	2535	Outer_Full	8.09	/	/	<=13	Pass
	2555	Outer_Full	8.15	/	/	<=13	Pass
CP-OFDM 256 QAM	2515	Outer_Full	8.54	/	/	<=13	Pass
	2535	Outer_Full	8.55	/	/	<=13	Pass
	2555	Outer_Full	8.56	/	/	<=13	Pass

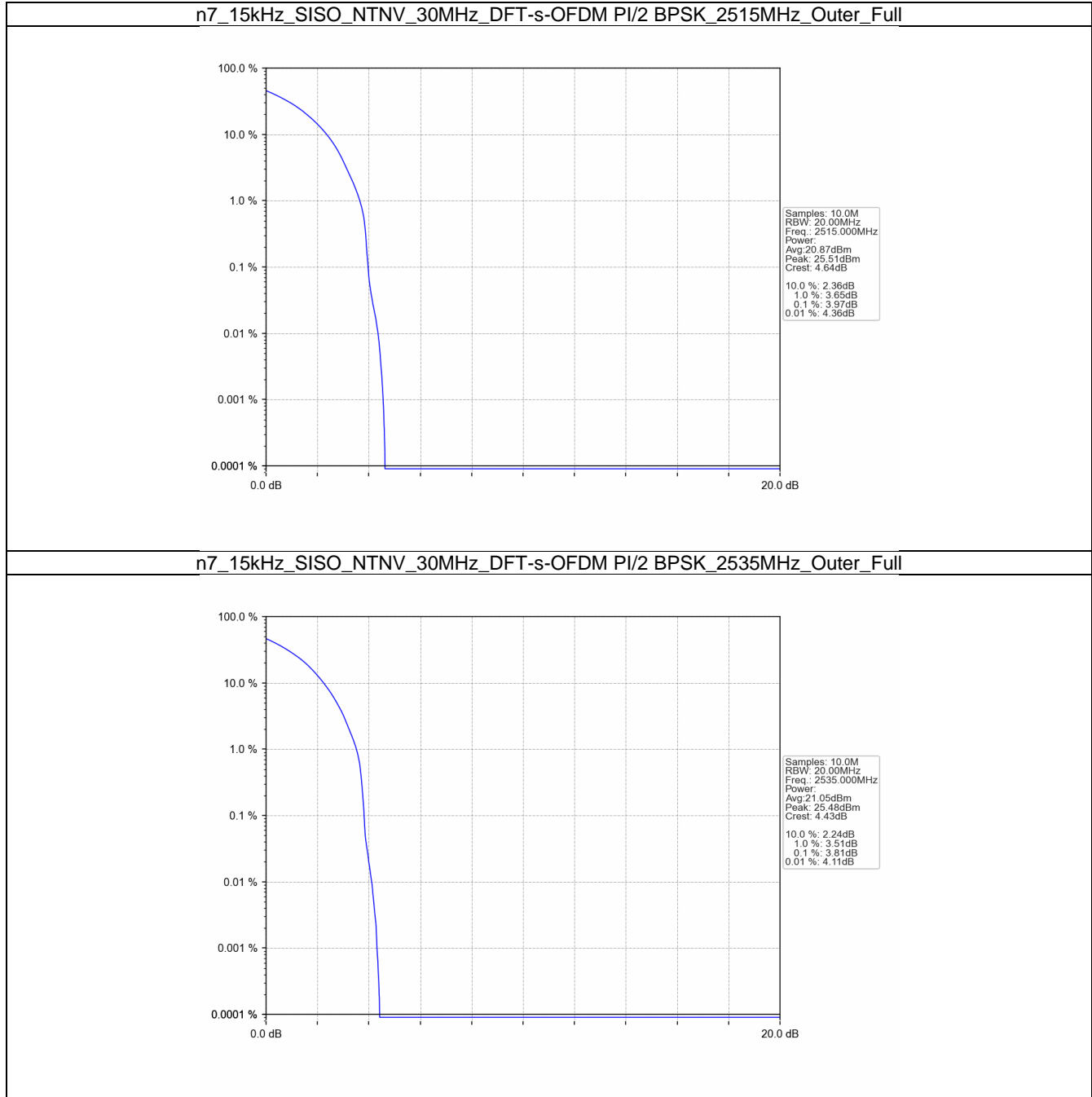


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5.6.2 Test Graph

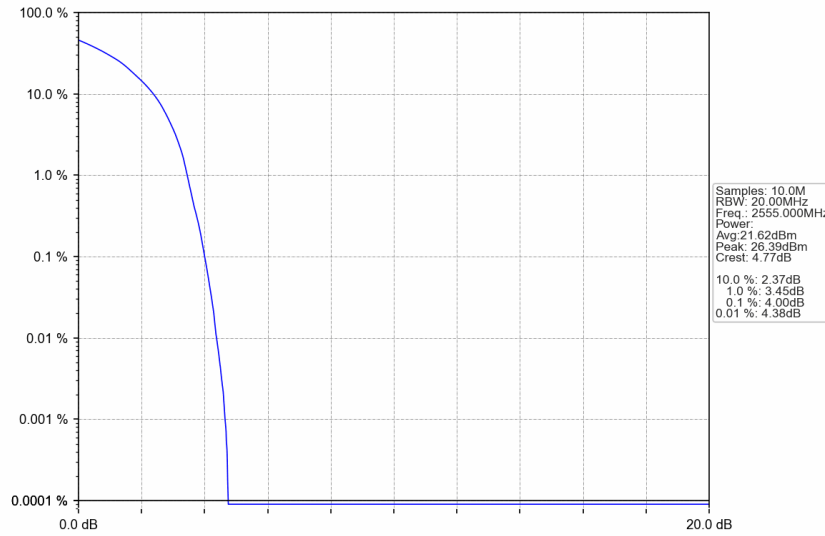


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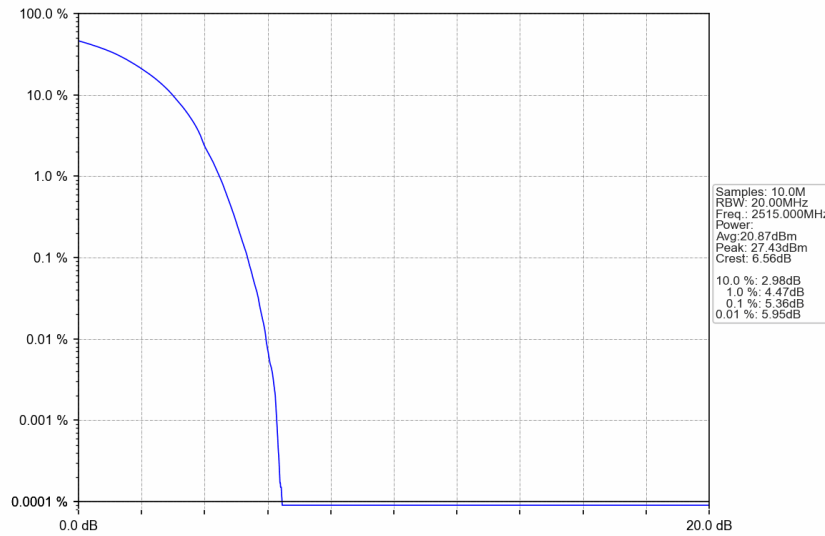
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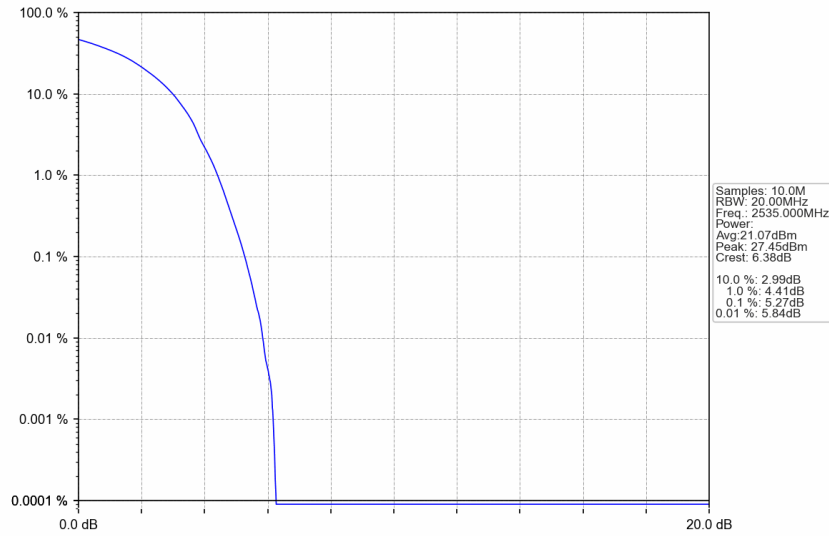
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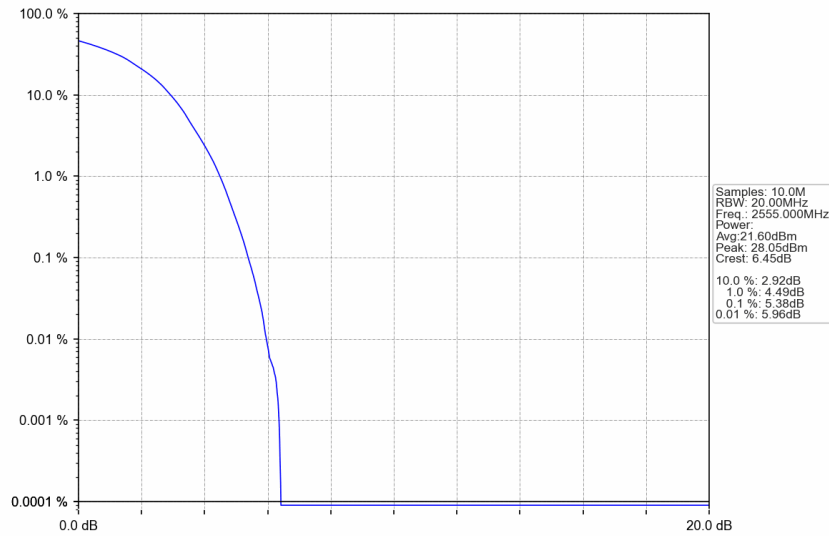
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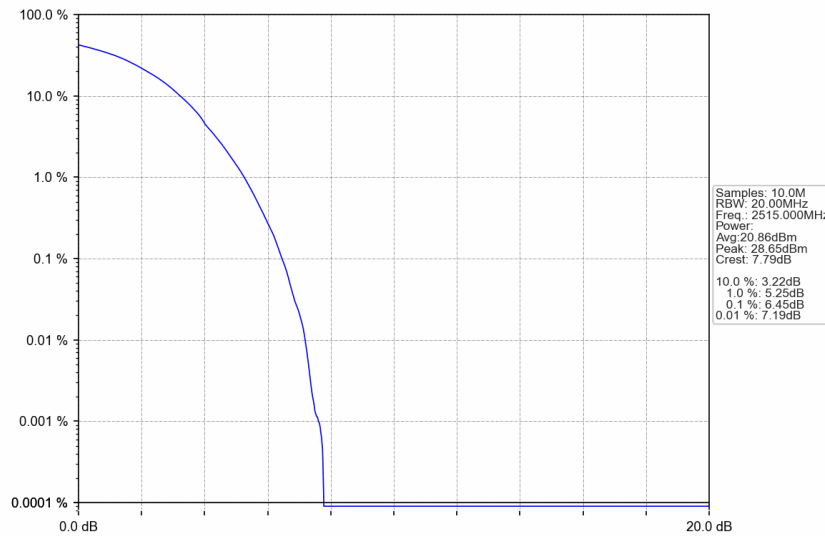
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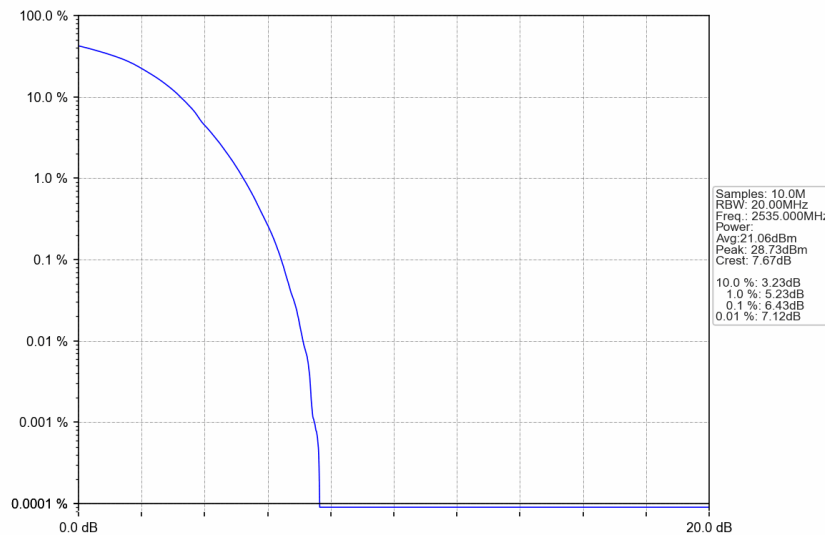
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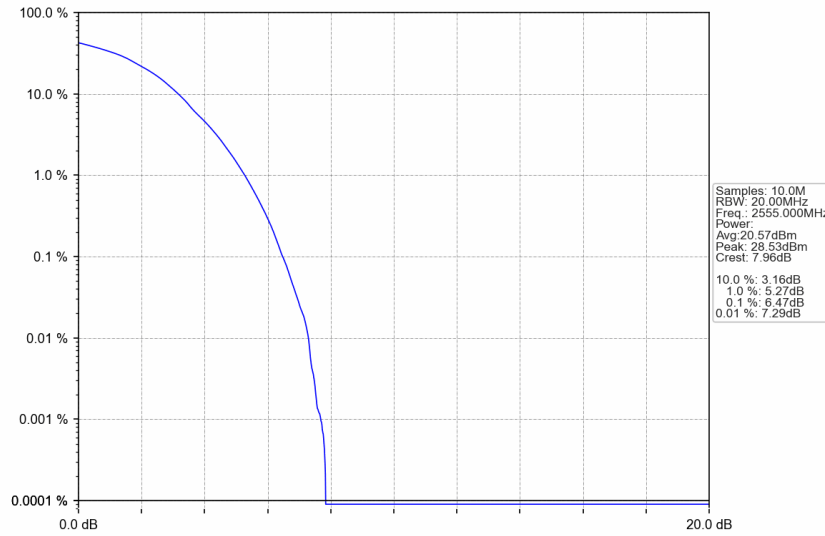


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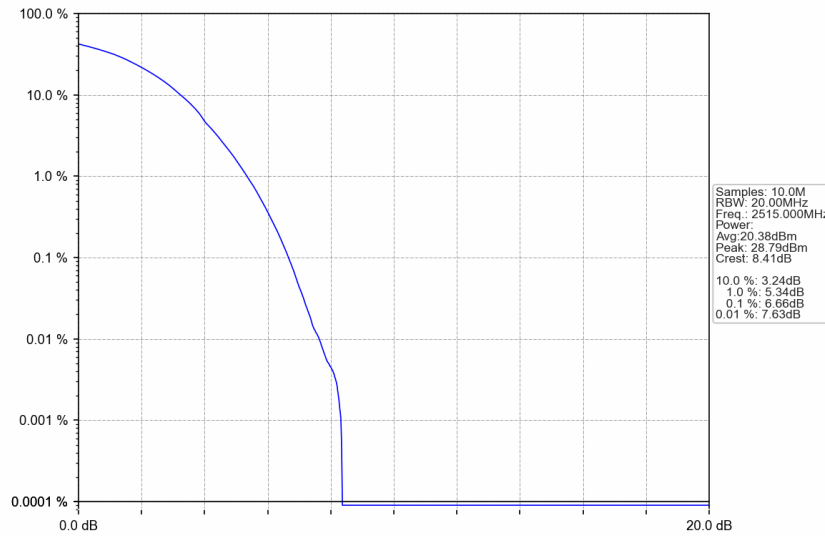
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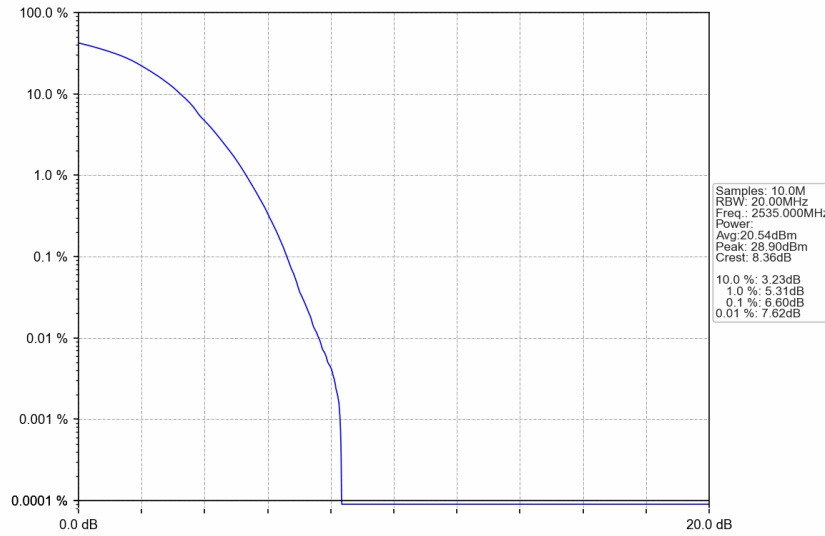


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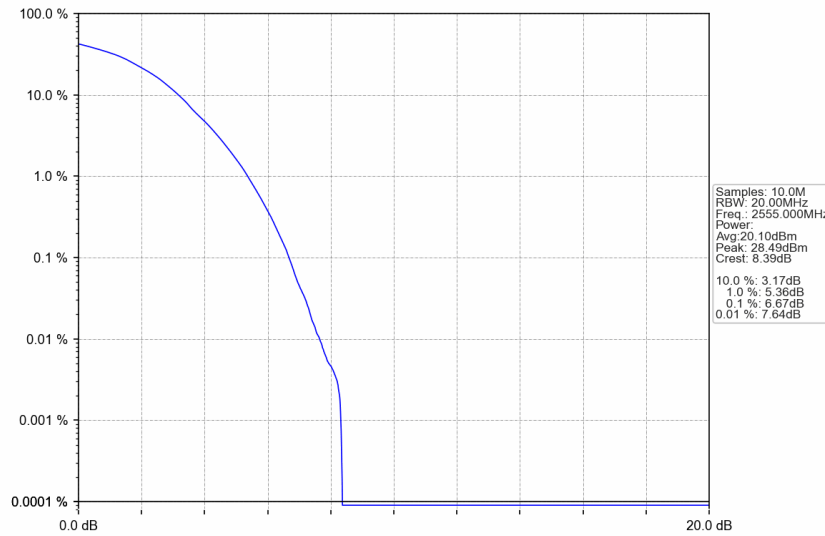
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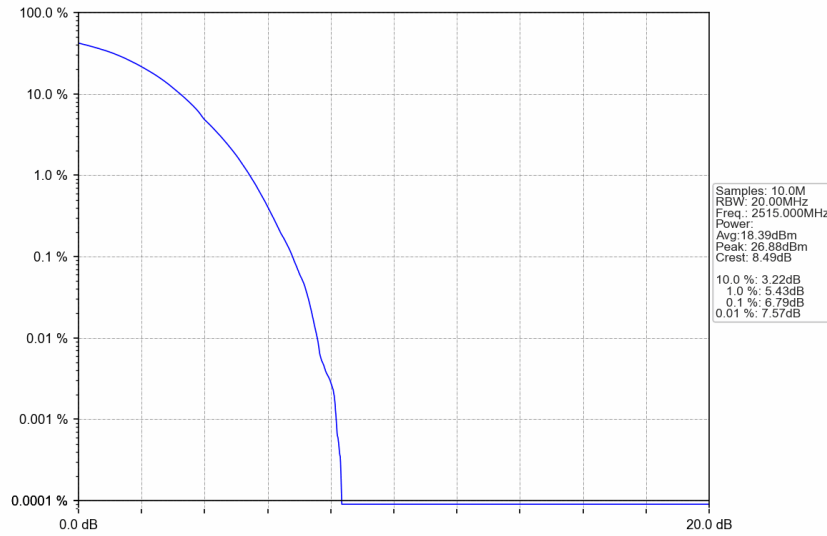


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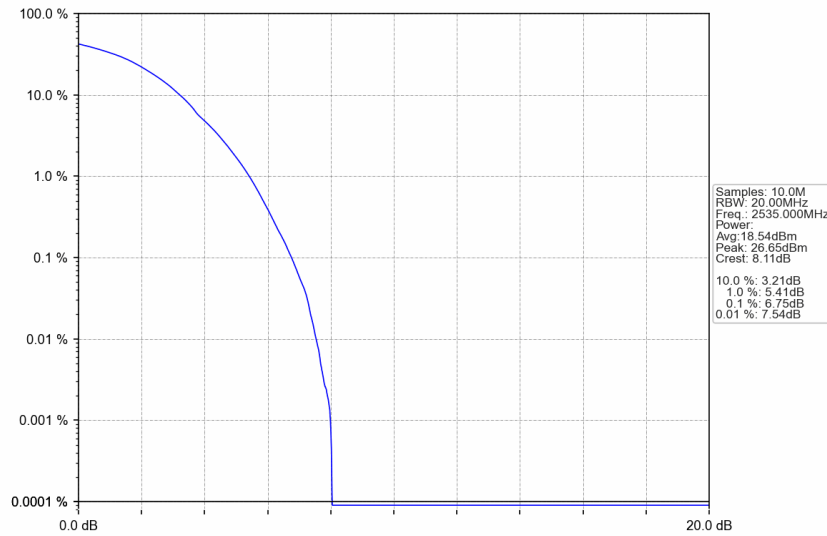
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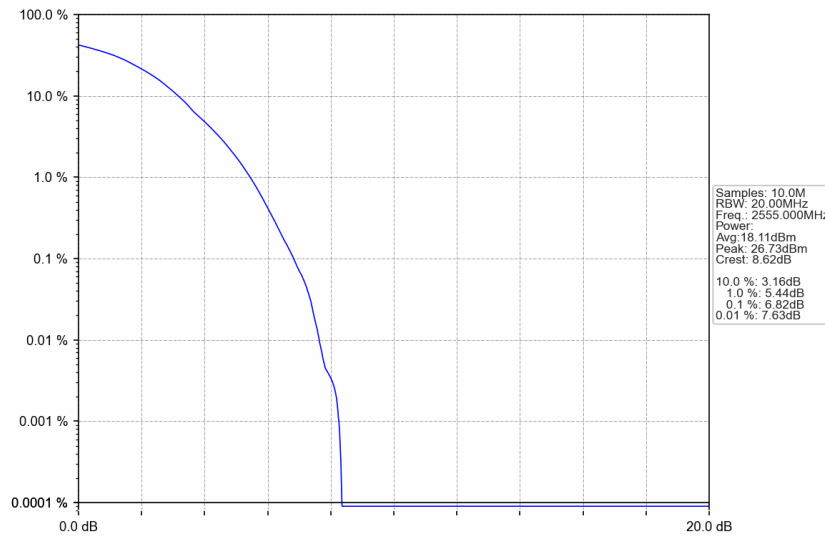


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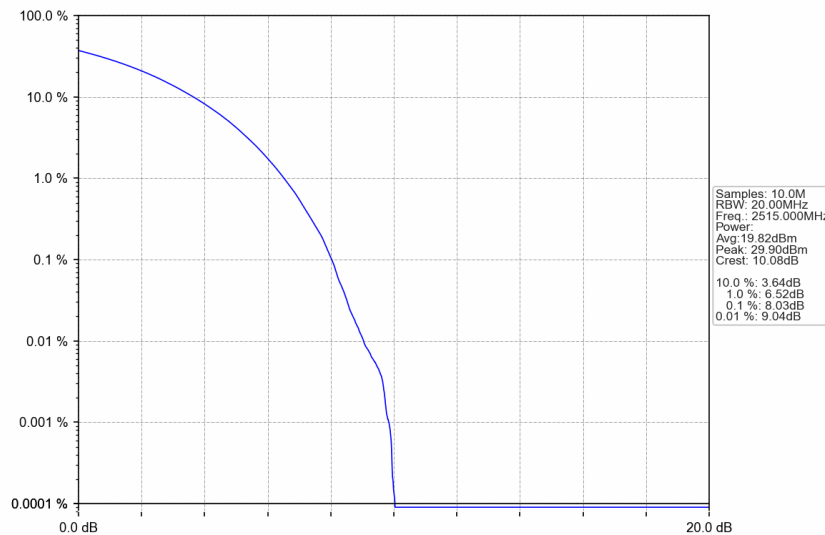
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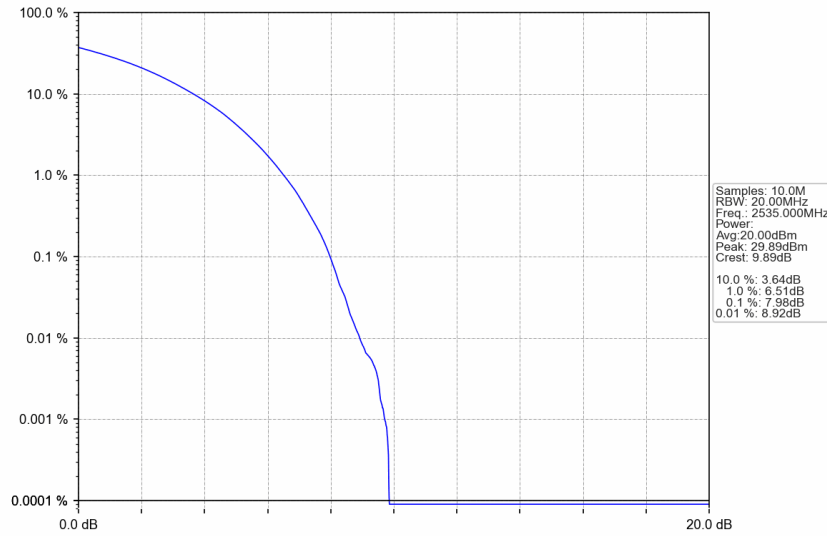
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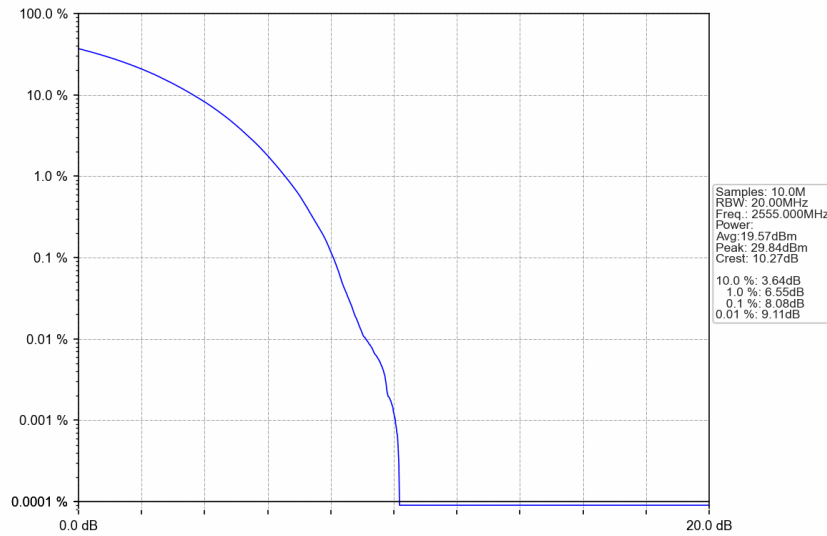
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n7_15kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_2535MHz_Outer_Full



n7_15kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_2555MHz_Outer_Full

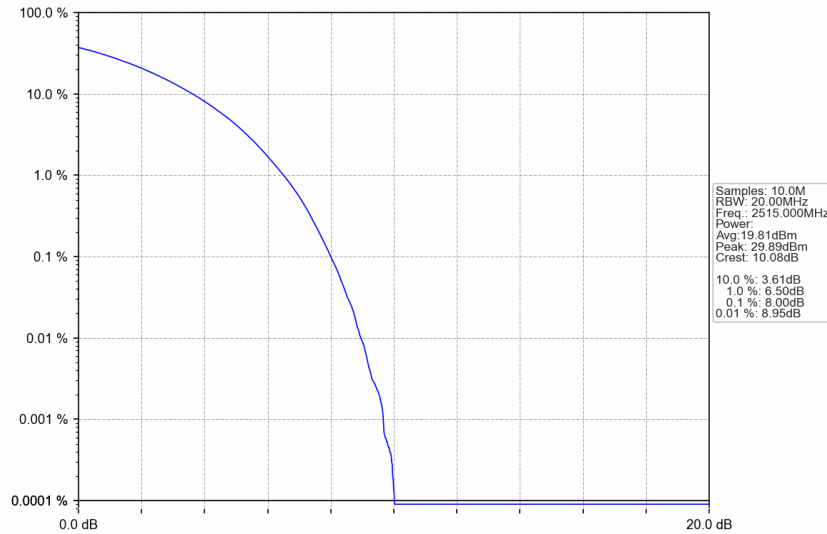


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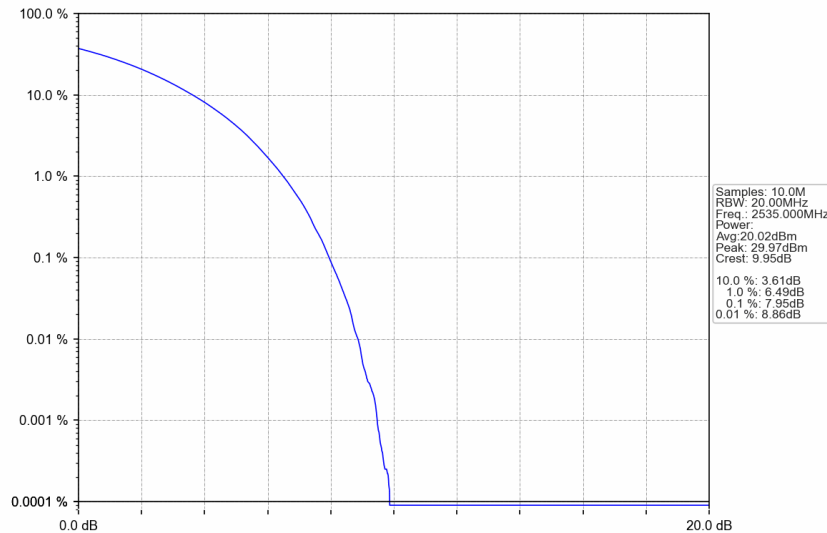
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n7_15kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_2515MHz_Outer_Full



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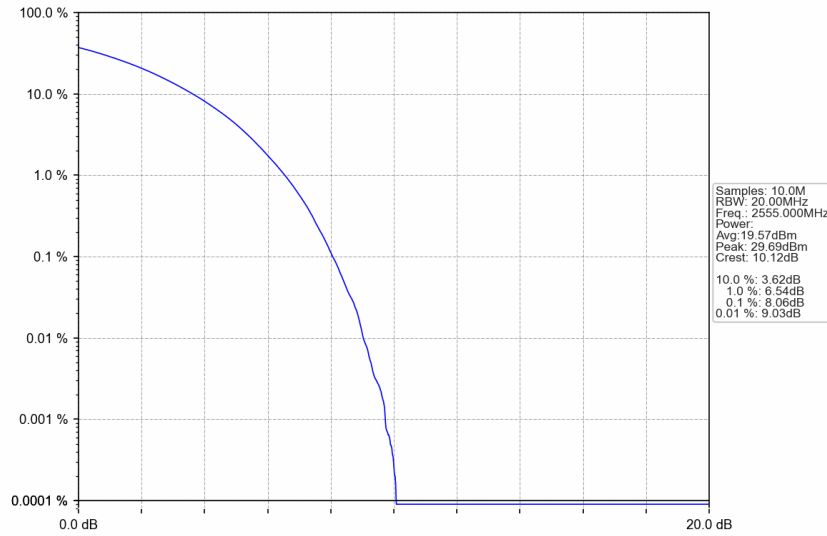


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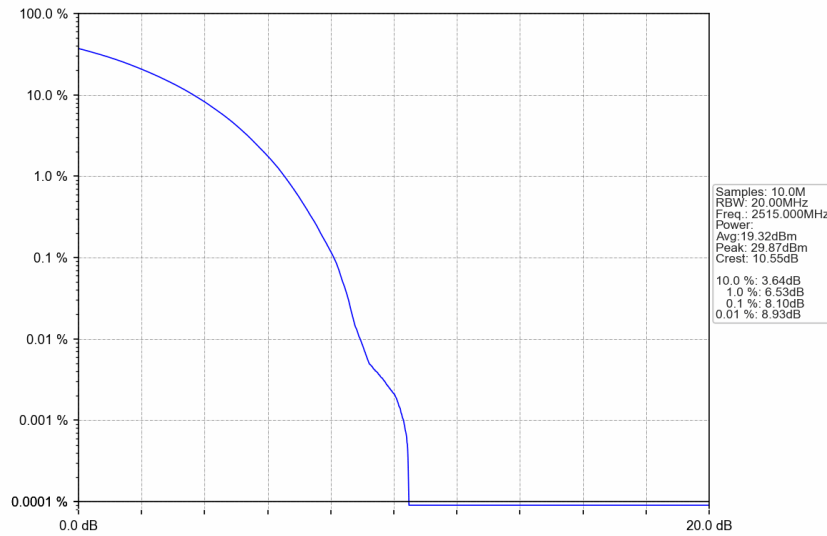
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n7_15kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_2555MHz_Outer_Full



n7_15kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_2515MHz_Outer_Full

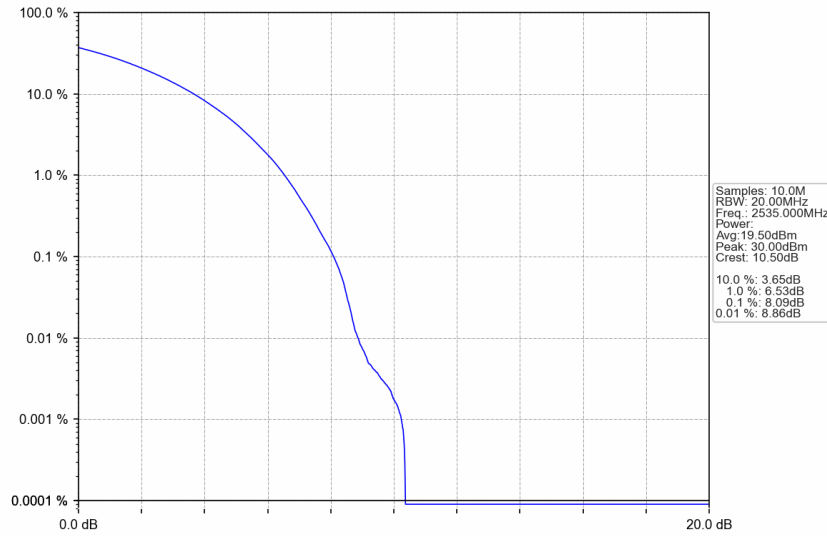


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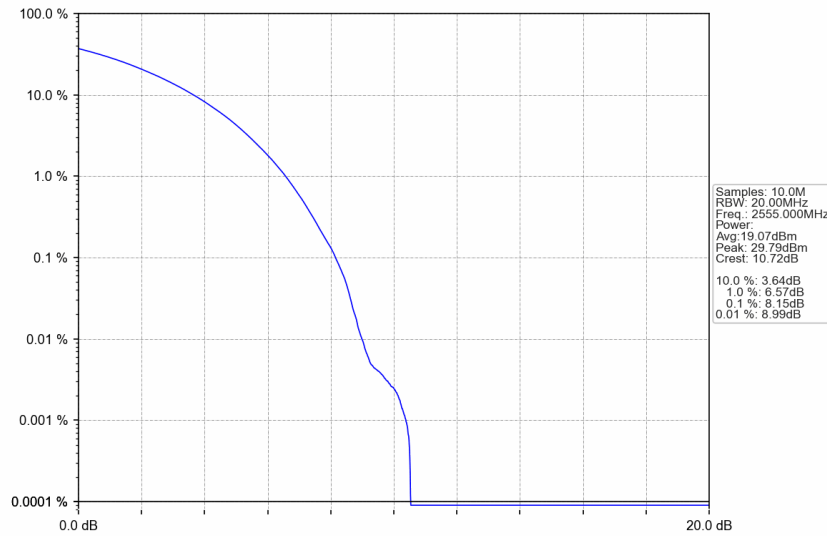
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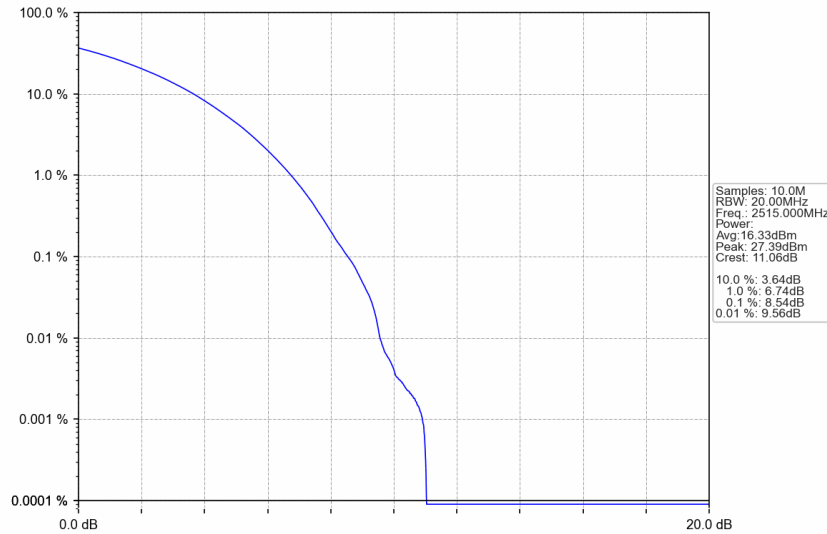
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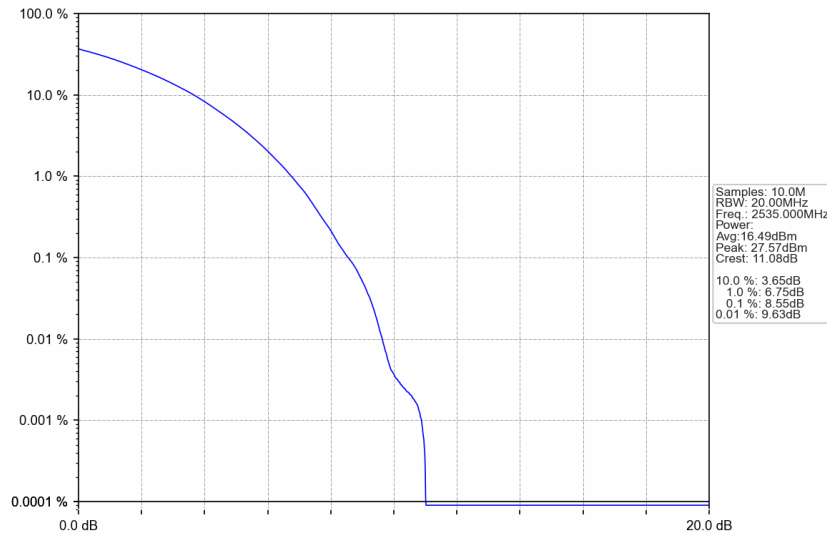
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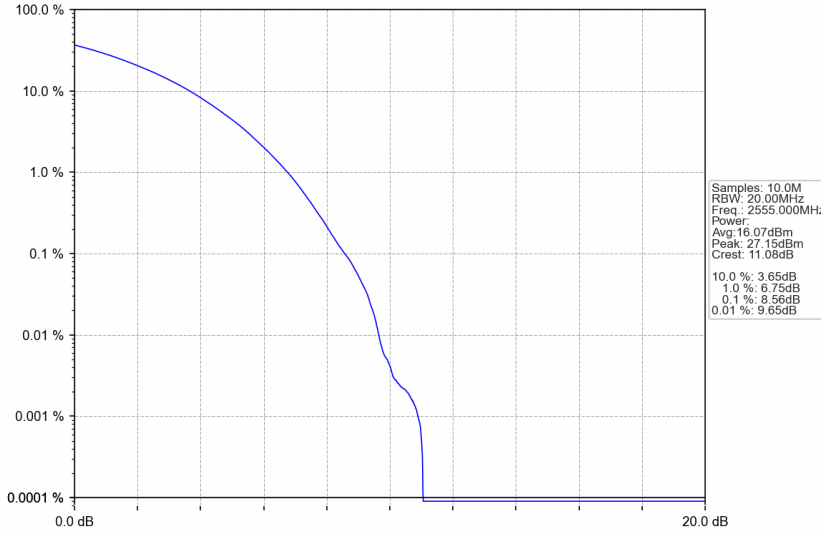


Report No.: SEWM2311000456RG02

Rev.: 01

Page: 430 of 985

n7_15kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_2555MHz_Outer_Full



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5.7 15k_SISO_40MHz_NTNV

5.7.1 Test Result

5G NR n7 SCS=15kHz SISO 40MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2520	Outer_Full	6.00	/	/	<=13	Pass
	2535	Outer_Full	4.41	/	/	<=13	Pass
	2550	Outer_Full	4.59	/	/	<=13	Pass
DFT-s-OFDM QPSK	2520	Outer_Full	6.04	/	/	<=13	Pass
	2535	Outer_Full	5.95	/	/	<=13	Pass
	2550	Outer_Full	6.04	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2520	Outer_Full	6.89	/	/	<=13	Pass
	2535	Outer_Full	6.87	/	/	<=13	Pass
	2550	Outer_Full	6.94	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2520	Outer_Full	6.99	/	/	<=13	Pass
	2535	Outer_Full	6.93	/	/	<=13	Pass
	2550	Outer_Full	6.97	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2520	Outer_Full	7.00	/	/	<=13	Pass
	2535	Outer_Full	6.95	/	/	<=13	Pass
	2550	Outer_Full	6.99	/	/	<=13	Pass
CP-OFDM QPSK	2520	Outer_Full	8.20	/	/	<=13	Pass
	2535	Outer_Full	8.12	/	/	<=13	Pass
	2550	Outer_Full	8.25	/	/	<=13	Pass
CP-OFDM 16 QAM	2520	Outer_Full	8.26	/	/	<=13	Pass
	2535	Outer_Full	8.19	/	/	<=13	Pass
	2550	Outer_Full	8.27	/	/	<=13	Pass
CP-OFDM 64 QAM	2520	Outer_Full	8.37	/	/	<=13	Pass
	2535	Outer_Full	8.29	/	/	<=13	Pass
	2550	Outer_Full	8.38	/	/	<=13	Pass
CP-OFDM 256 QAM	2520	Outer_Full	8.57	/	/	<=13	Pass
	2535	Outer_Full	8.57	/	/	<=13	Pass
	2550	Outer_Full	8.58	/	/	<=13	Pass

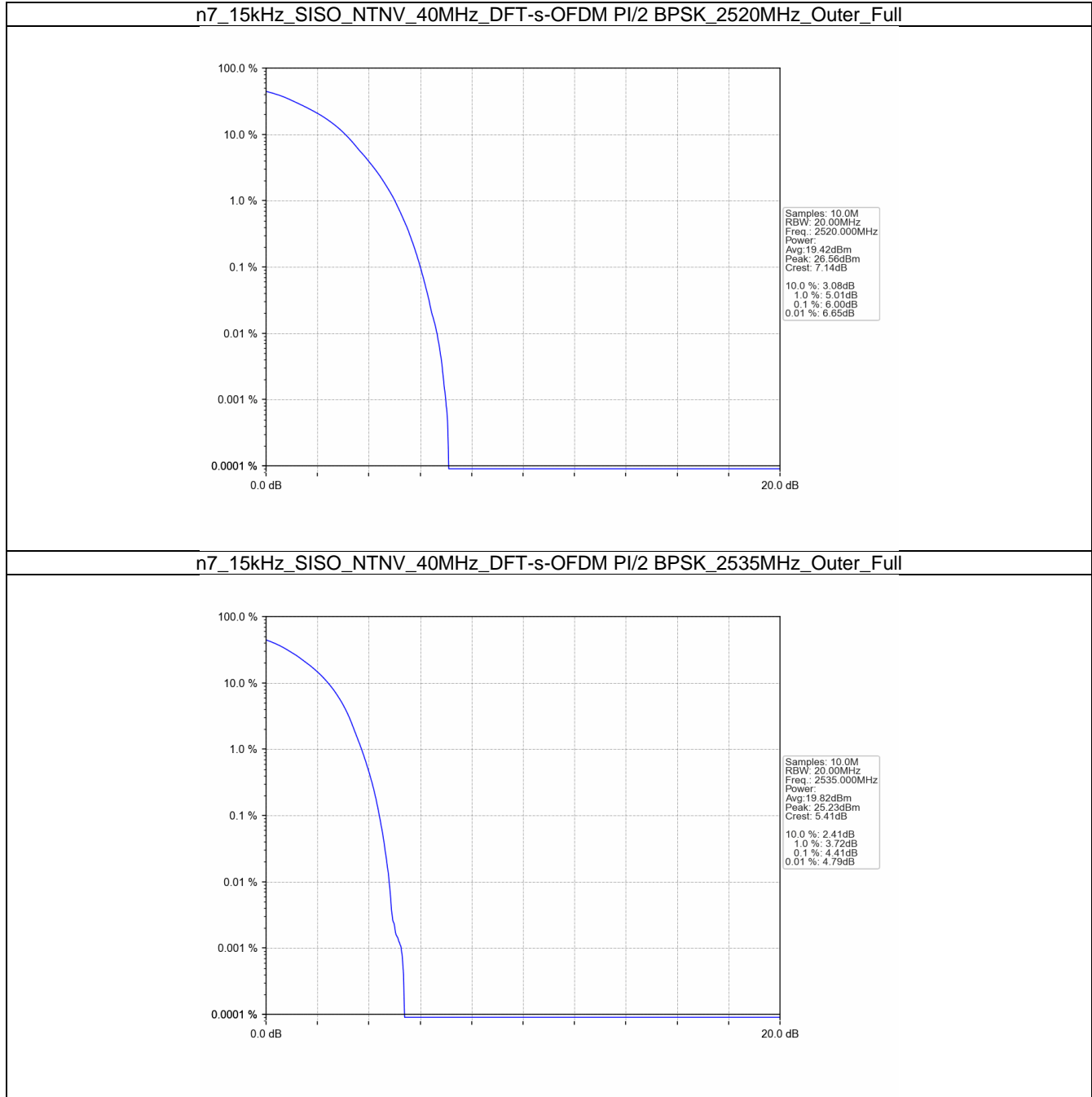


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5.7.2 Test Graph

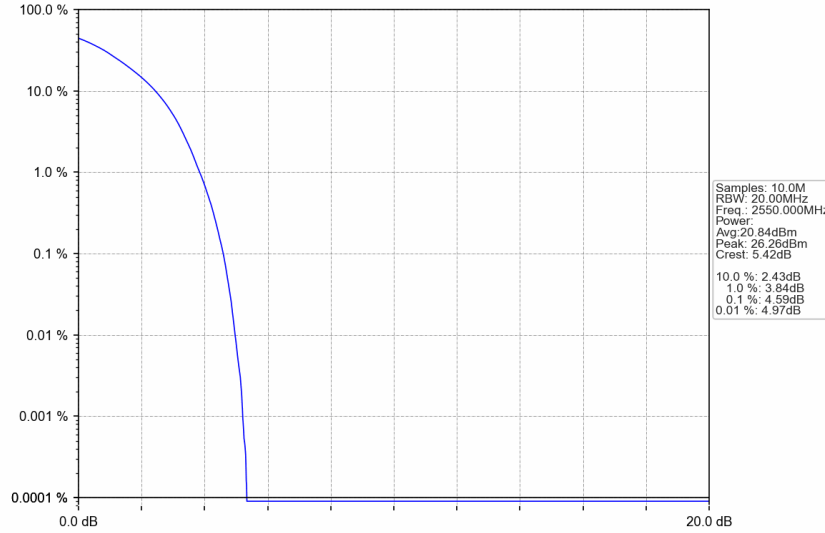


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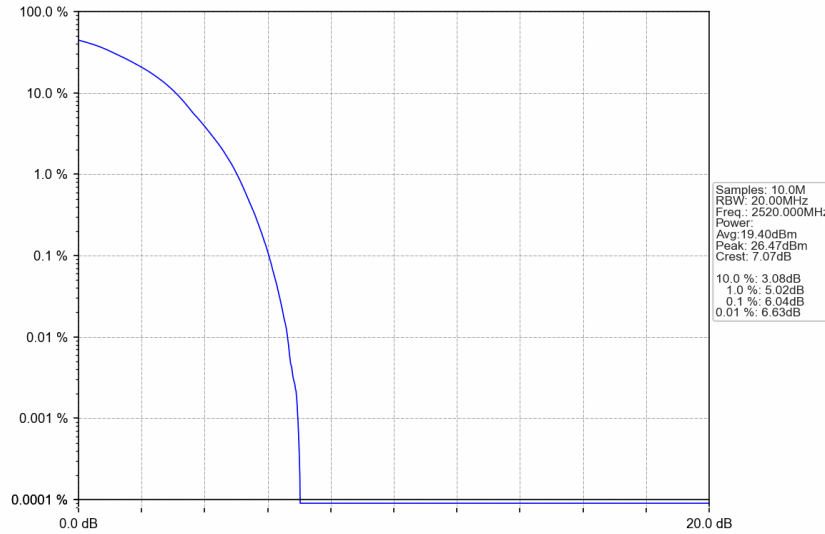
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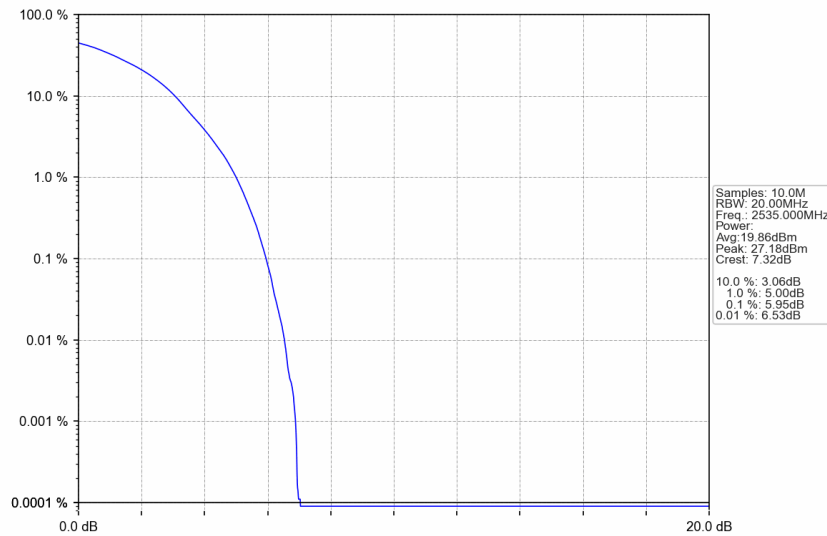


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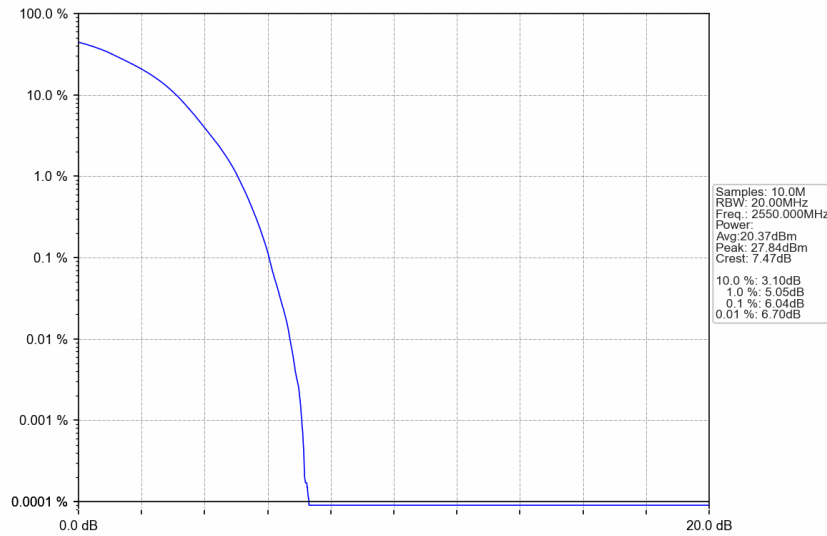
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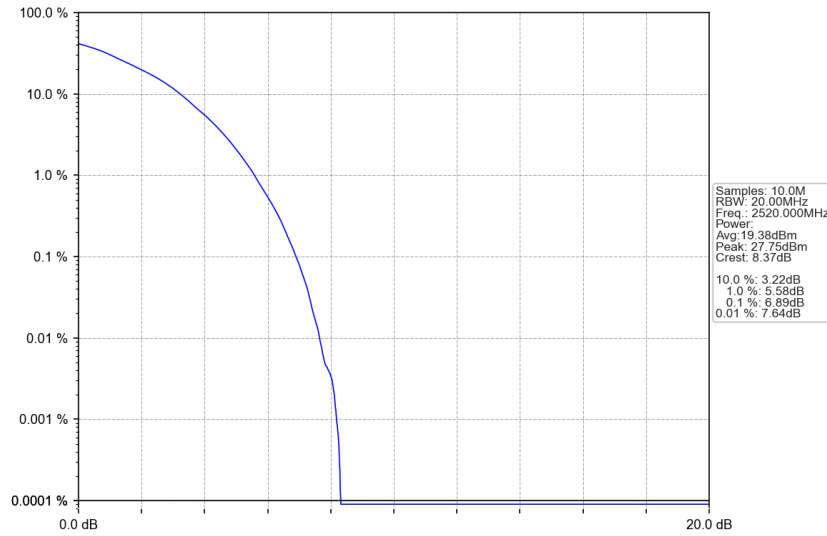


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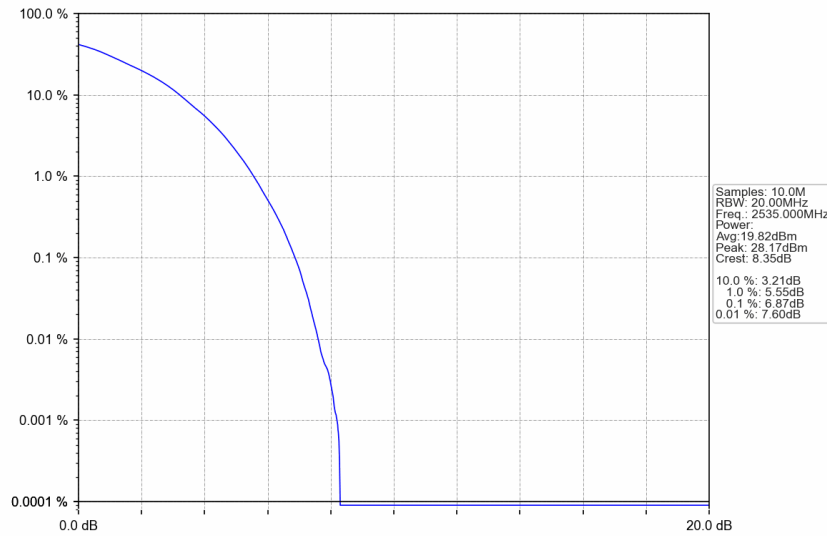


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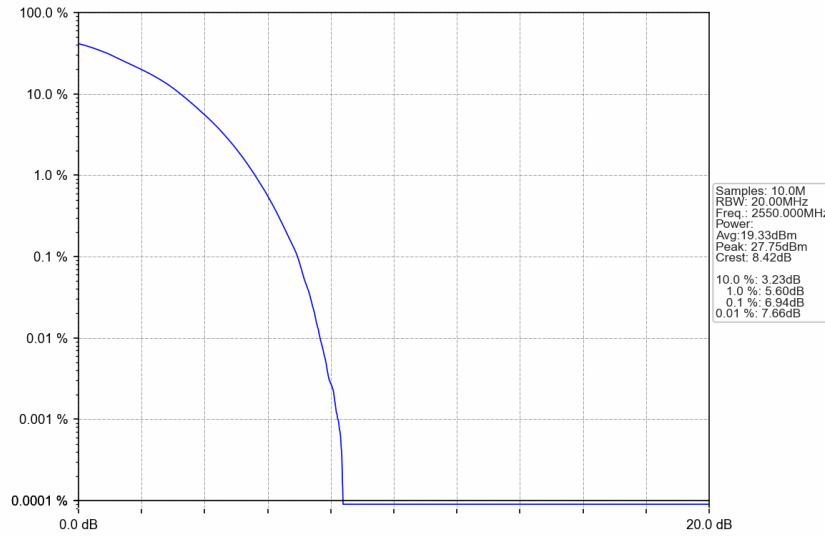


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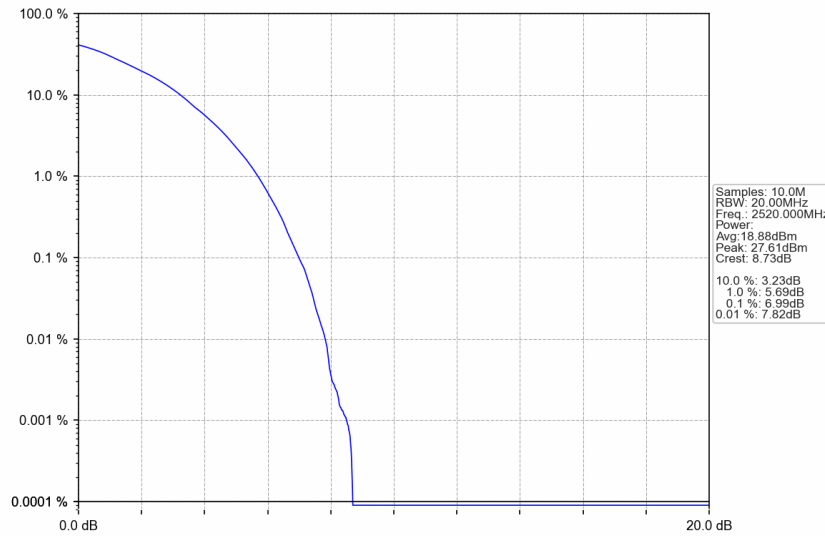
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n7_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_2550MHz_Outer_Full



n7_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_2520MHz_Outer_Full



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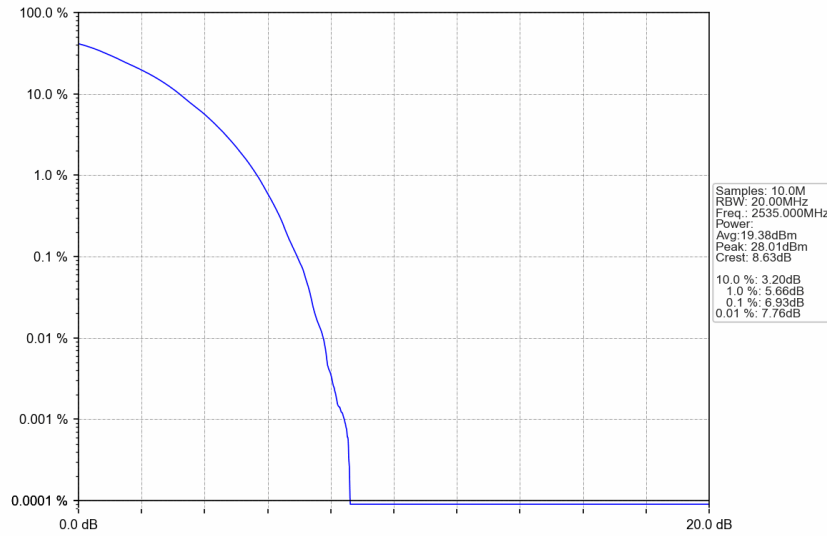
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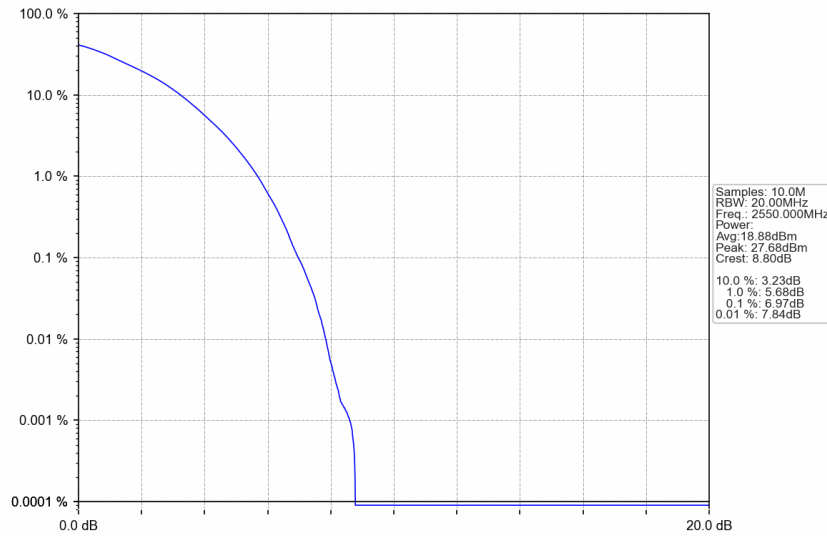
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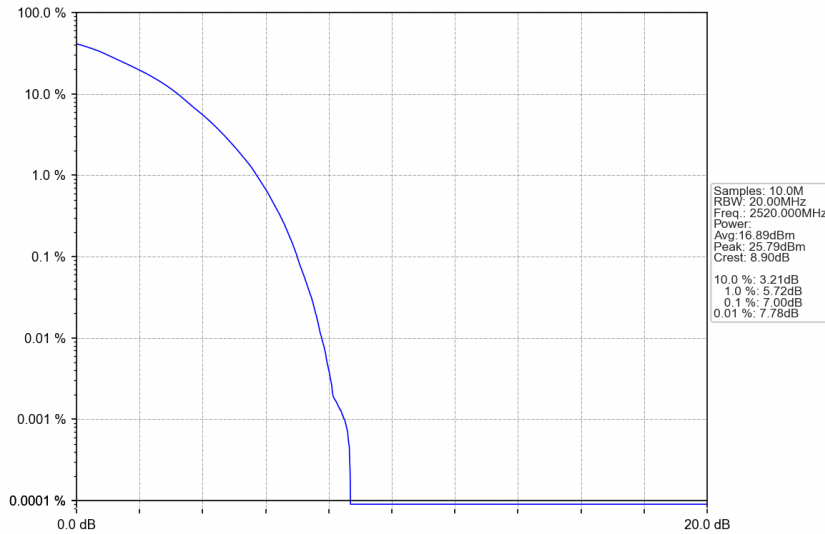
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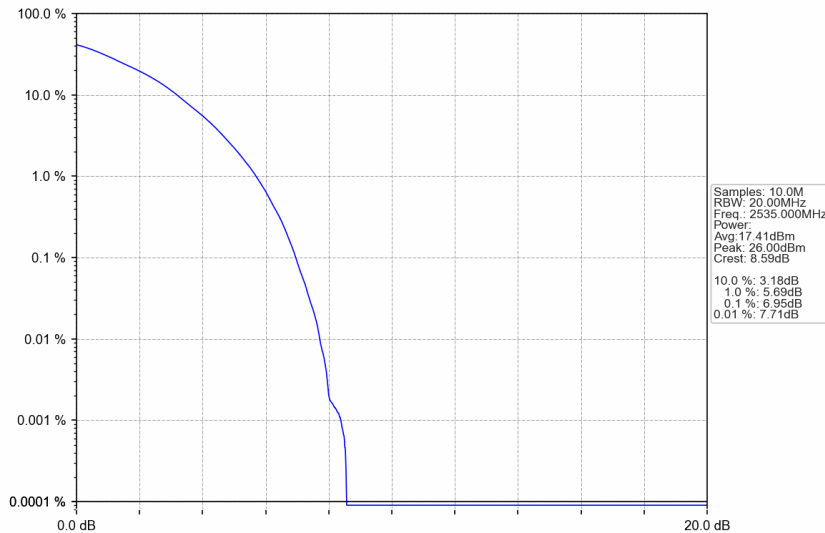
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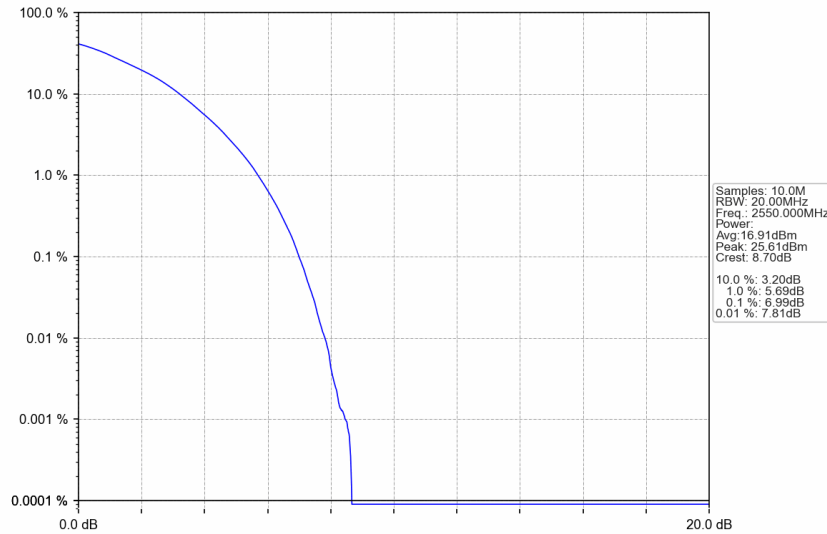
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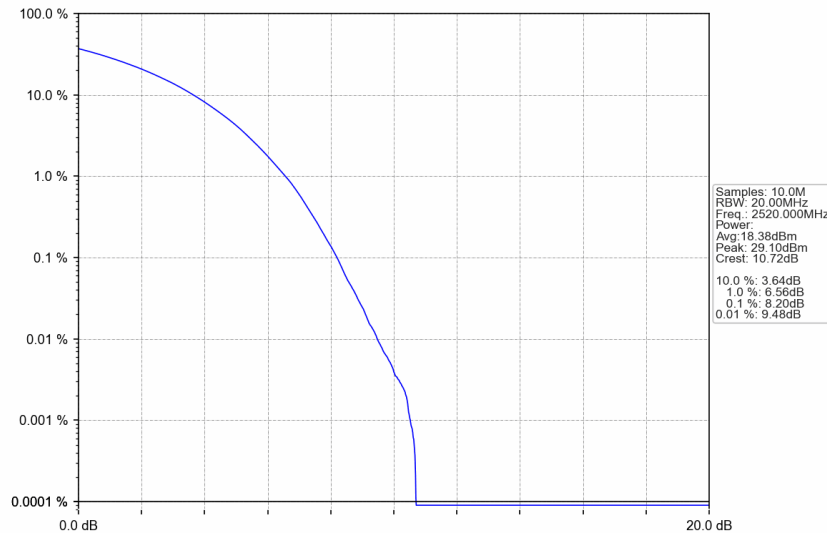
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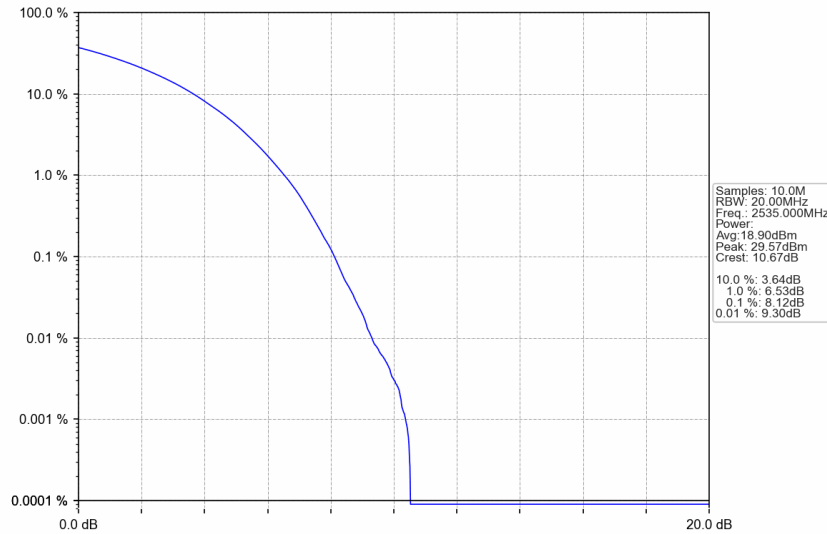
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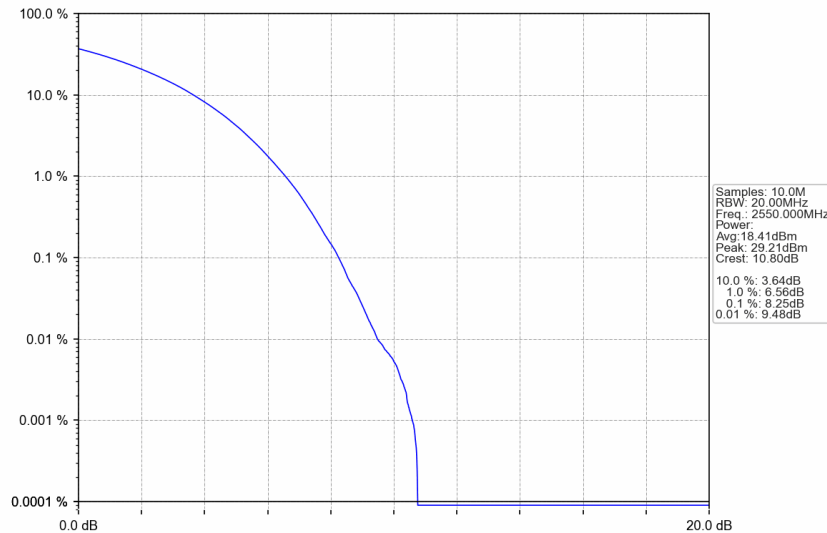
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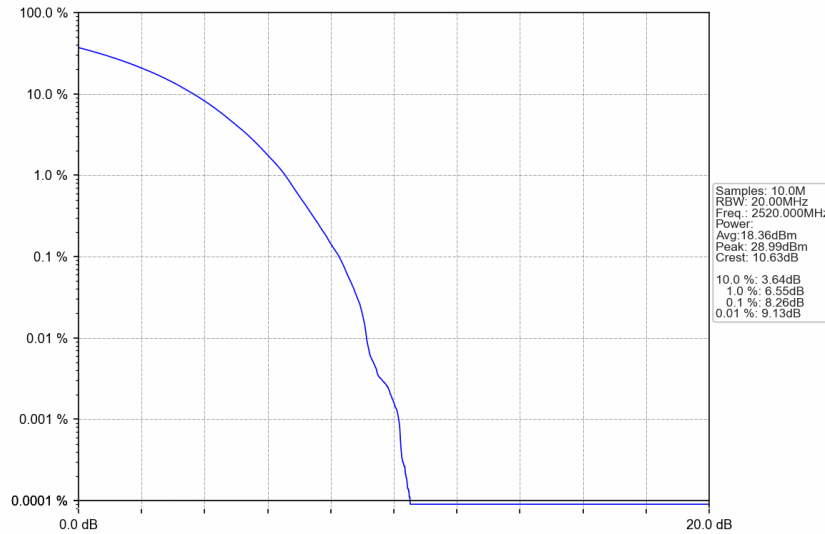


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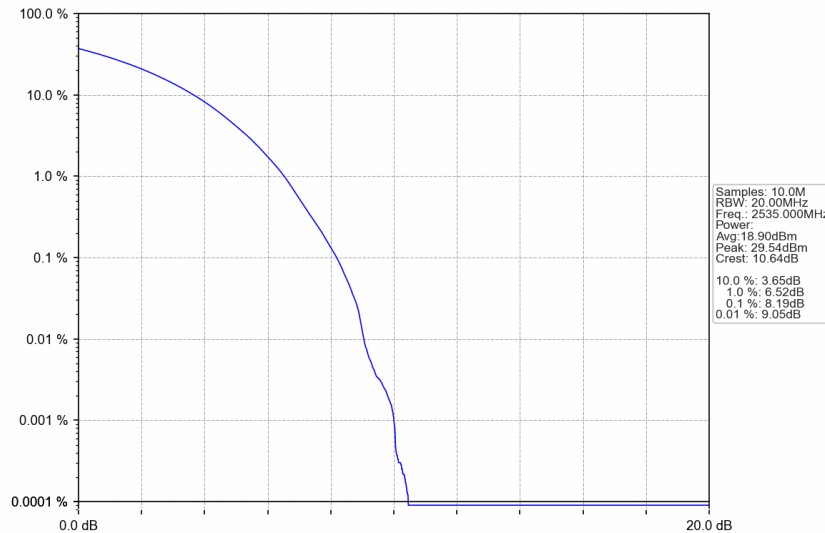
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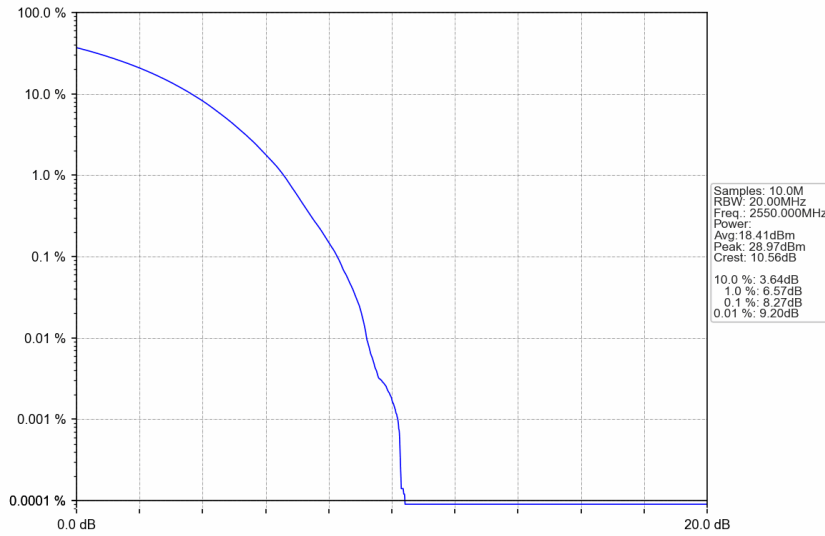


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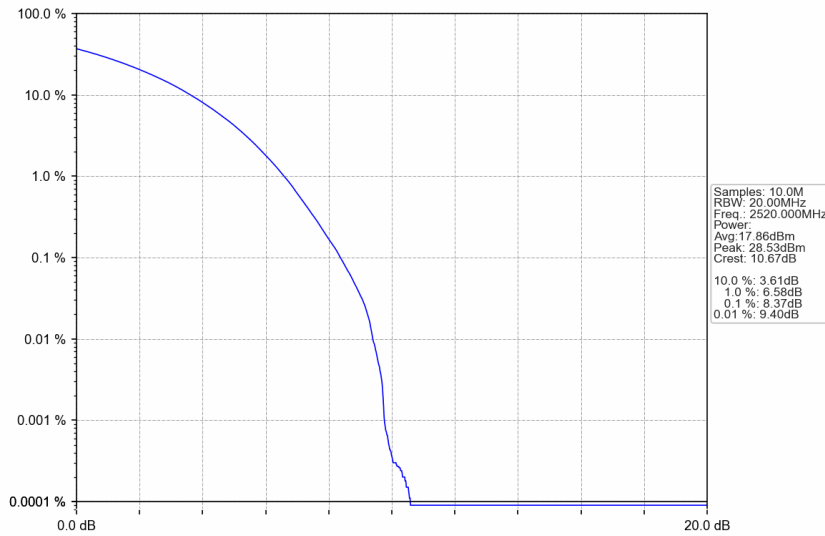
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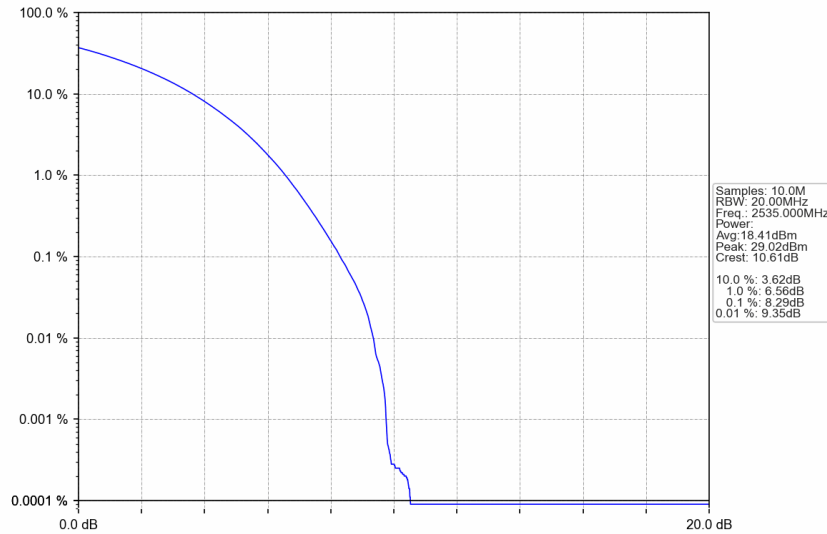
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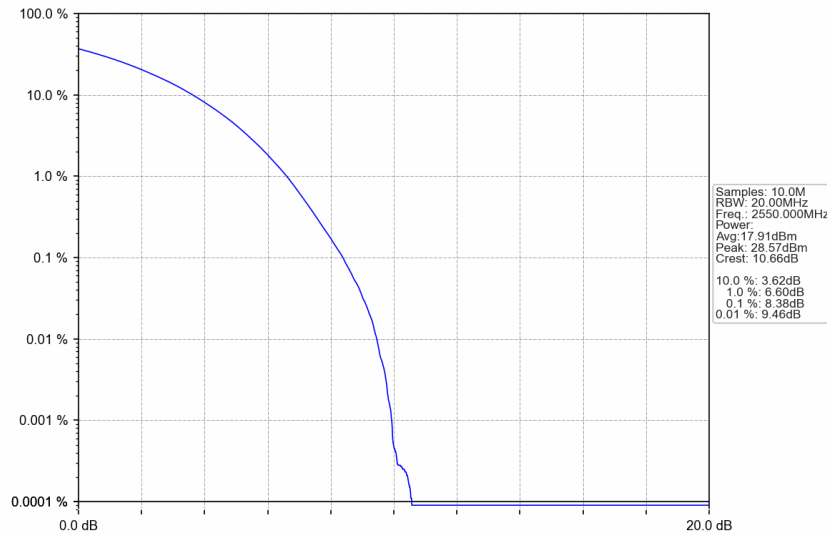
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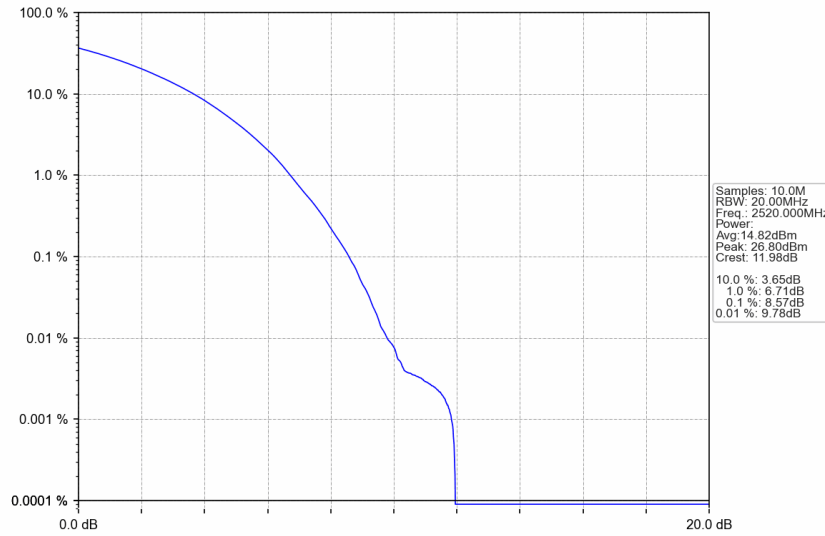
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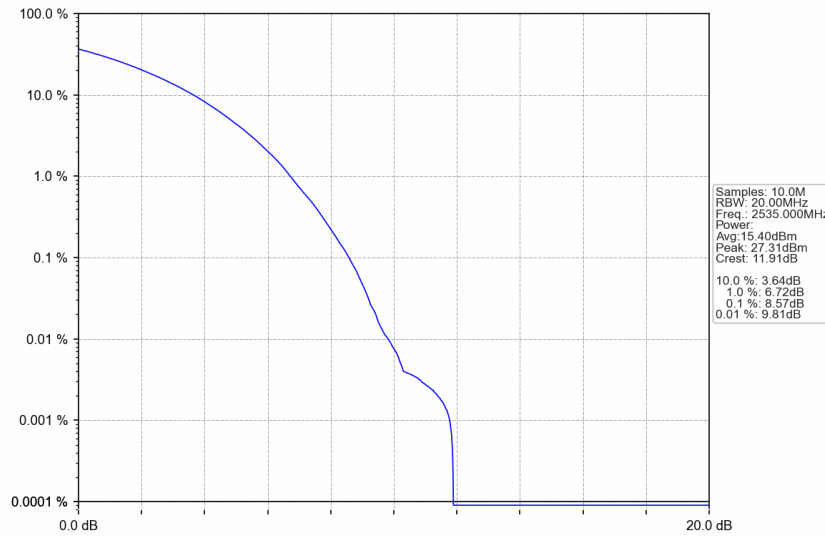
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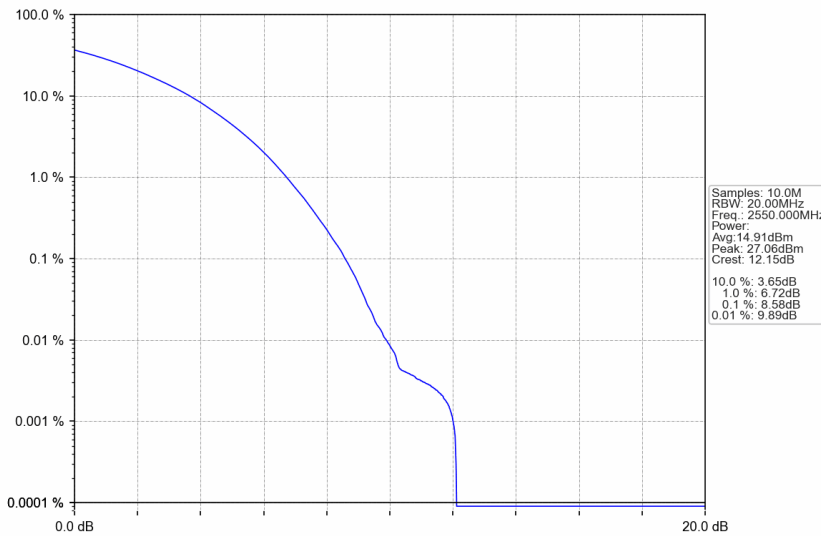


Report No.: SEWM2311000456RG02

Rev.: 01

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5.8 15k_SISO_50MHz_NTNV

5.8.1 Test Result

5G NR n7 SCS=15kHz SISO 50MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2525	Outer_Full	5.08	/	/	<=13	Pass
	2535	Outer_Full	4.99	/	/	<=13	Pass
	2545	Outer_Full	5.05	/	/	<=13	Pass
DFT-s-OFDM QPSK	2525	Outer_Full	6.53	/	/	<=13	Pass
	2535	Outer_Full	6.50	/	/	<=13	Pass
	2545	Outer_Full	6.53	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2525	Outer_Full	7.13	/	/	<=13	Pass
	2535	Outer_Full	7.08	/	/	<=13	Pass
	2545	Outer_Full	7.09	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2525	Outer_Full	7.24	/	/	<=13	Pass
	2535	Outer_Full	7.21	/	/	<=13	Pass
	2545	Outer_Full	7.27	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2525	Outer_Full	7.25	/	/	<=13	Pass
	2535	Outer_Full	7.22	/	/	<=13	Pass
	2545	Outer_Full	7.23	/	/	<=13	Pass
CP-OFDM QPSK	2525	Outer_Full	8.16	/	/	<=13	Pass
	2535	Outer_Full	8.11	/	/	<=13	Pass
	2545	Outer_Full	8.17	/	/	<=13	Pass
CP-OFDM 16 QAM	2525	Outer_Full	8.39	/	/	<=13	Pass
	2535	Outer_Full	8.35	/	/	<=13	Pass
	2545	Outer_Full	8.39	/	/	<=13	Pass
CP-OFDM 64 QAM	2525	Outer_Full	8.38	/	/	<=13	Pass
	2535	Outer_Full	8.33	/	/	<=13	Pass
	2545	Outer_Full	8.36	/	/	<=13	Pass
CP-OFDM 256 QAM	2525	Outer_Full	8.45	/	/	<=13	Pass
	2535	Outer_Full	8.43	/	/	<=13	Pass
	2545	Outer_Full	8.43	/	/	<=13	Pass

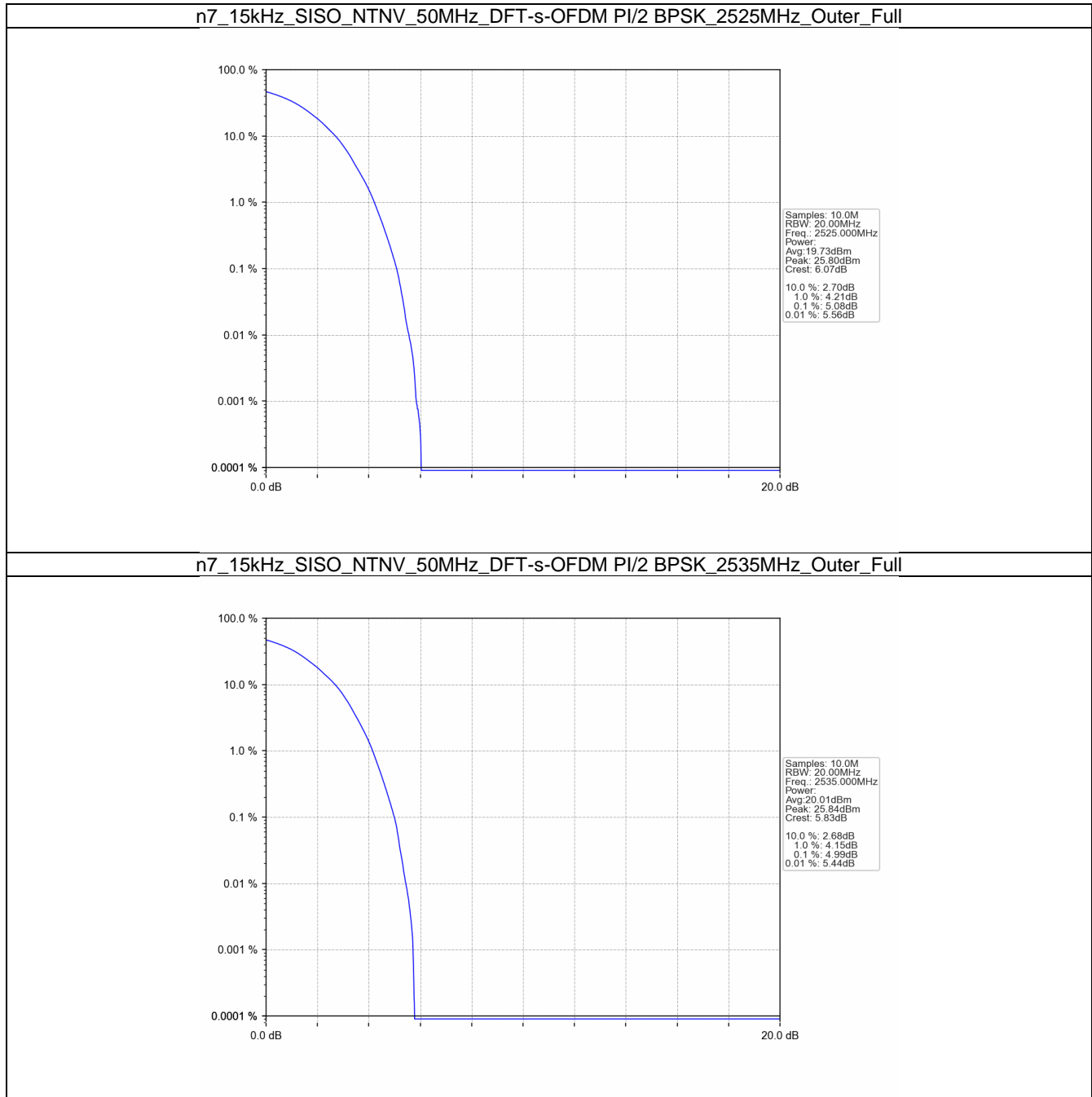


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5.8.2 Test Graph



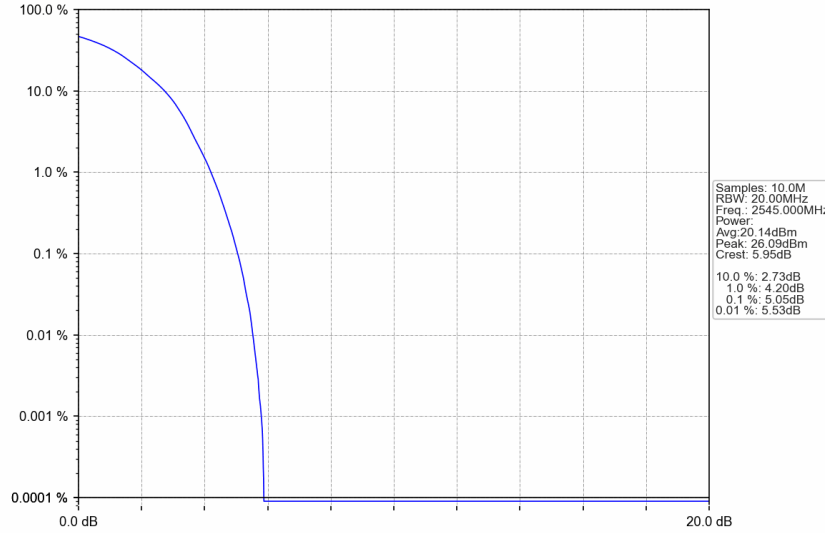
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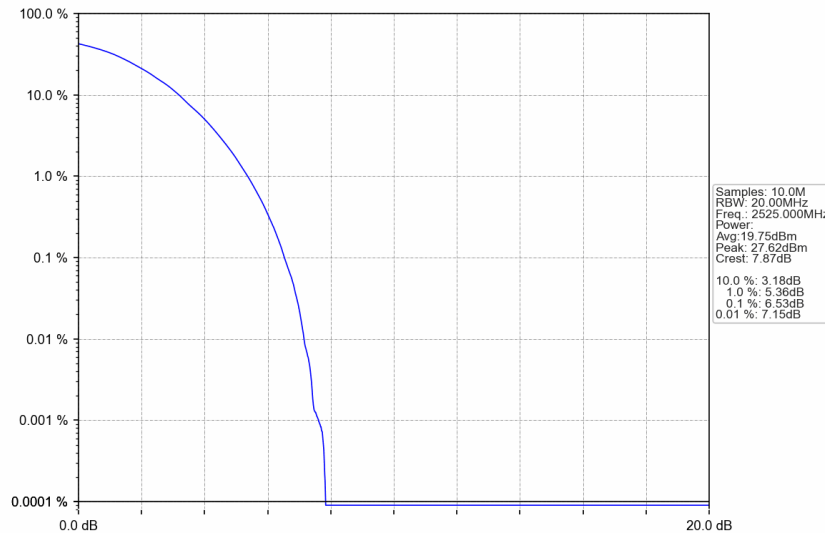
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n7_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_2545MHz_Outer_Full



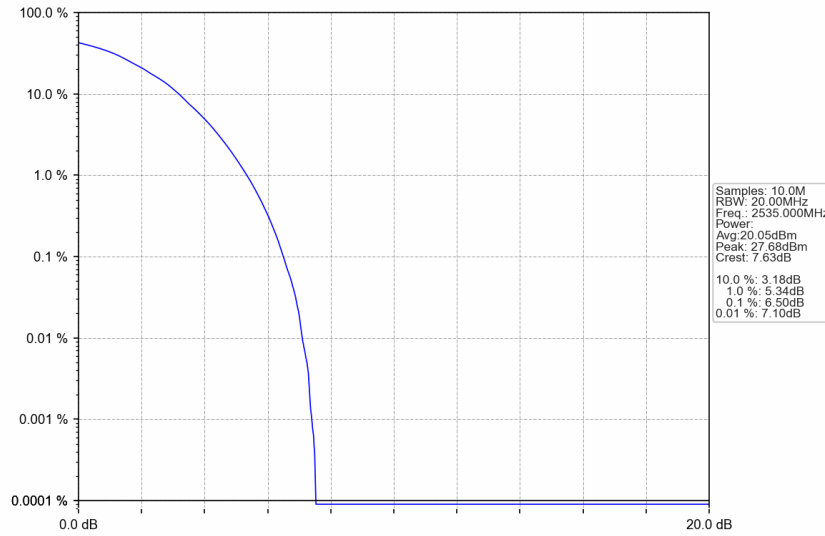
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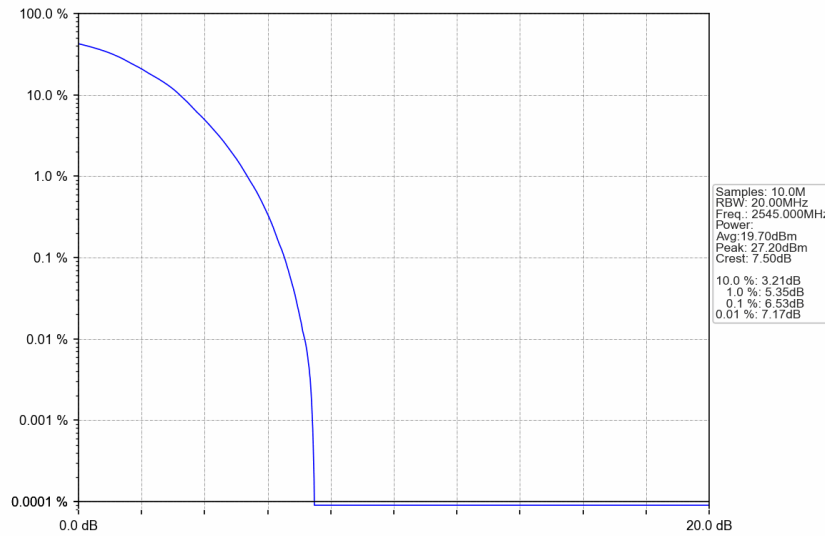
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n7_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_2545MHz_Outer_Full

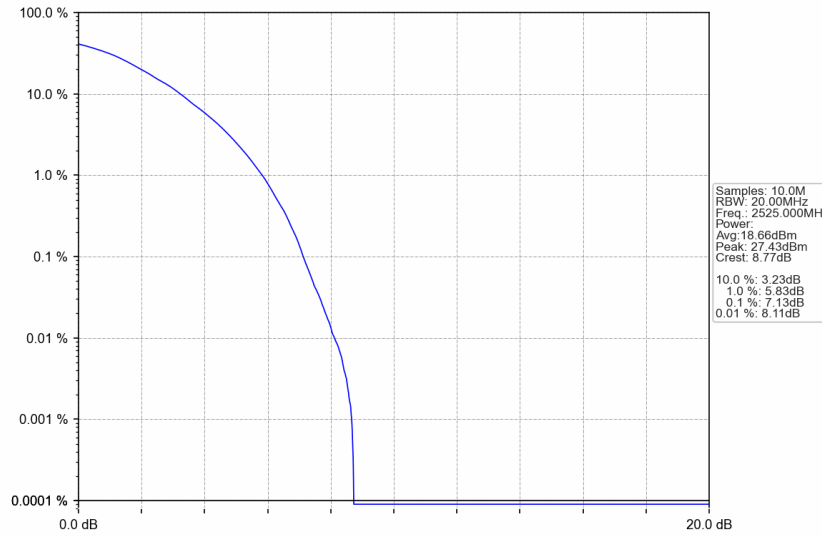


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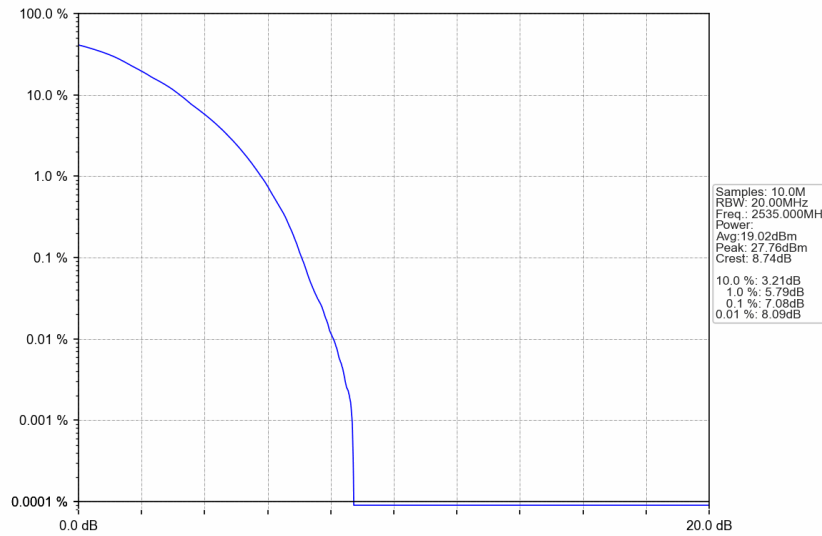
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n7_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM 16 QAM_2525MHz_Outer_Full



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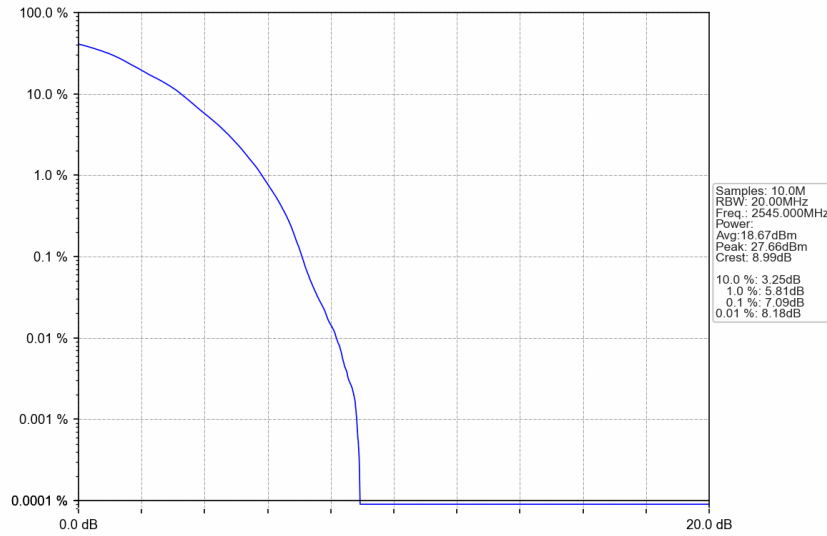
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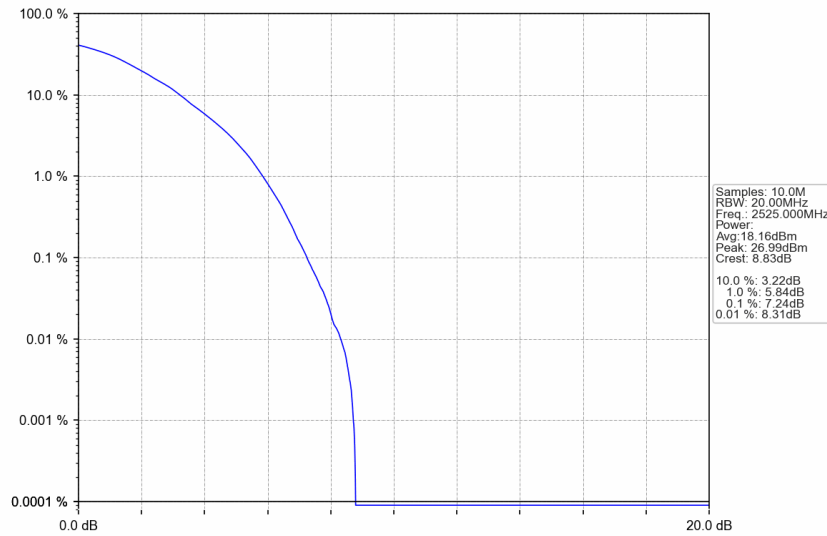
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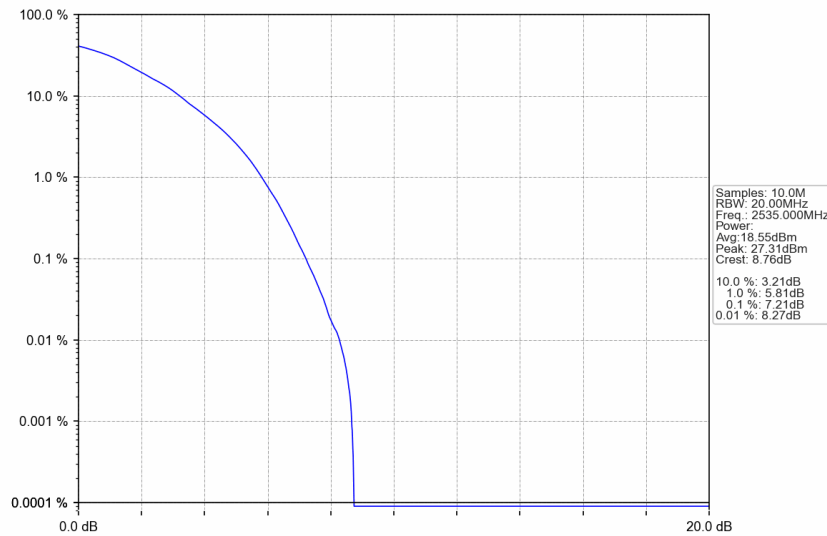
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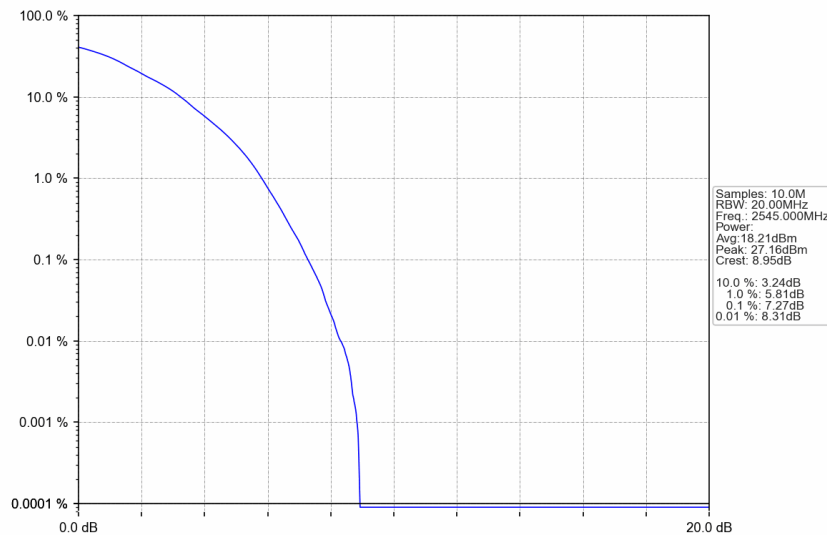
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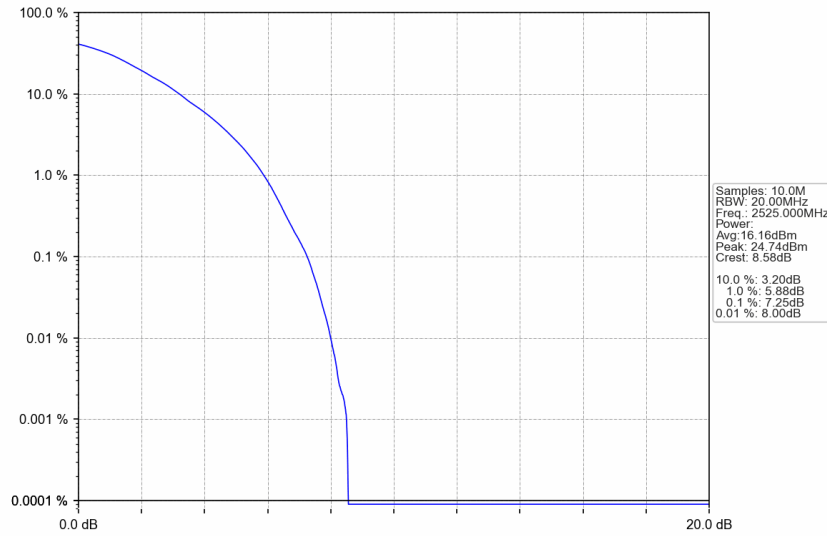
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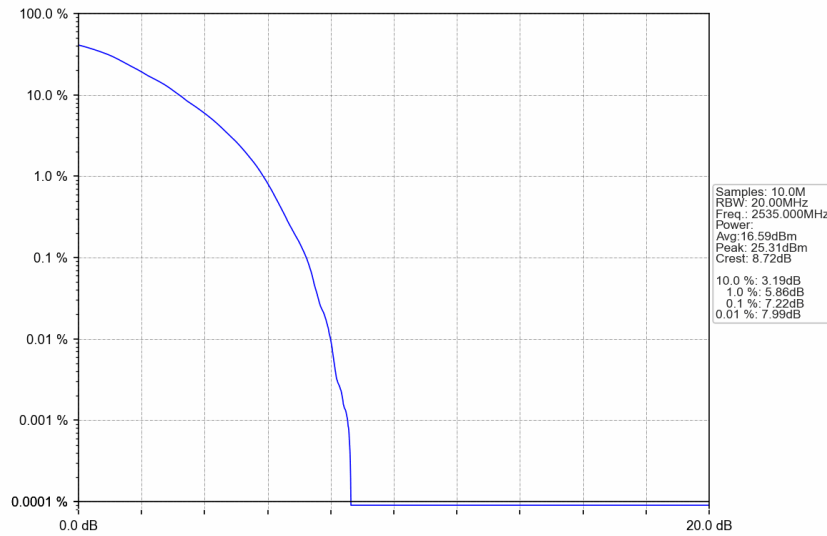
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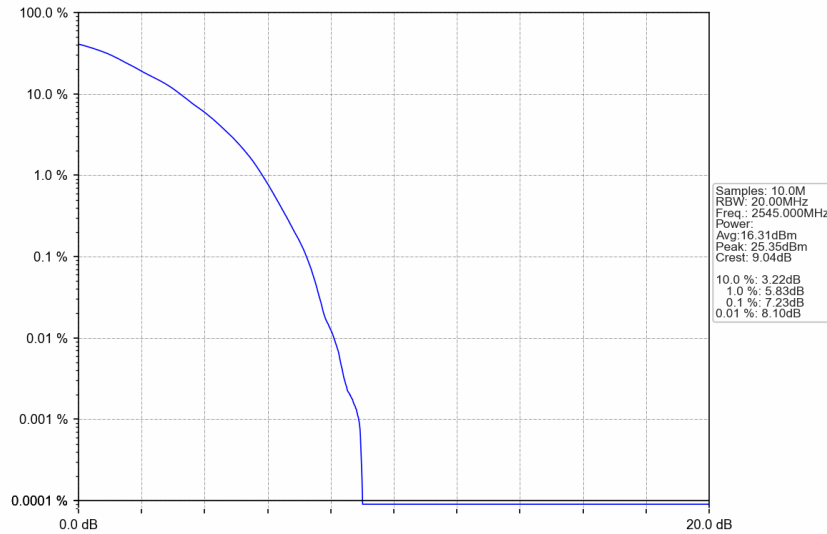
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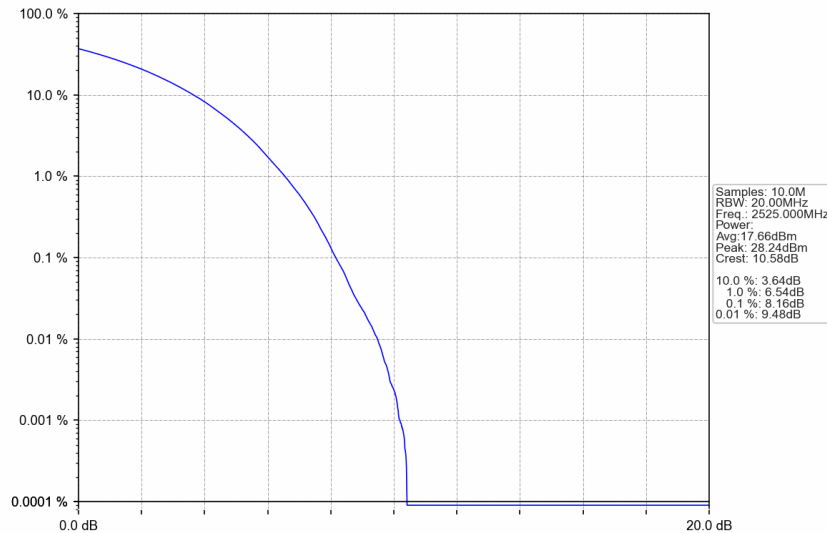
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