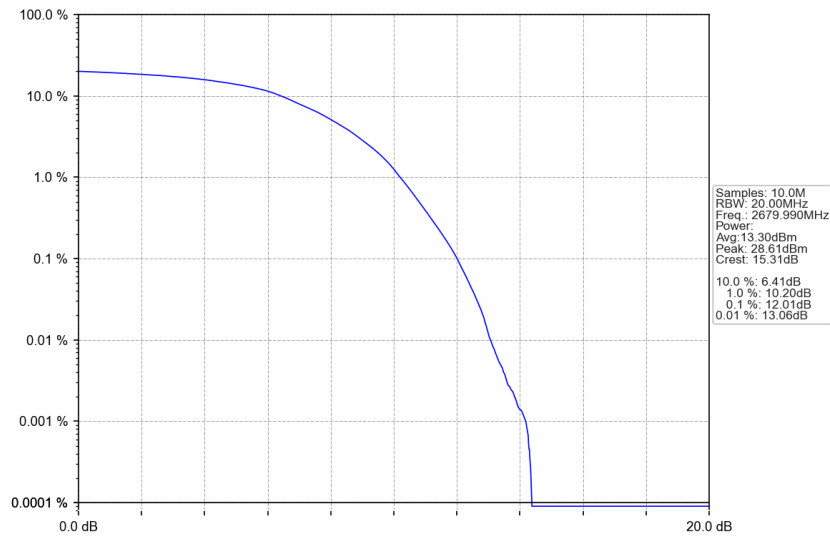
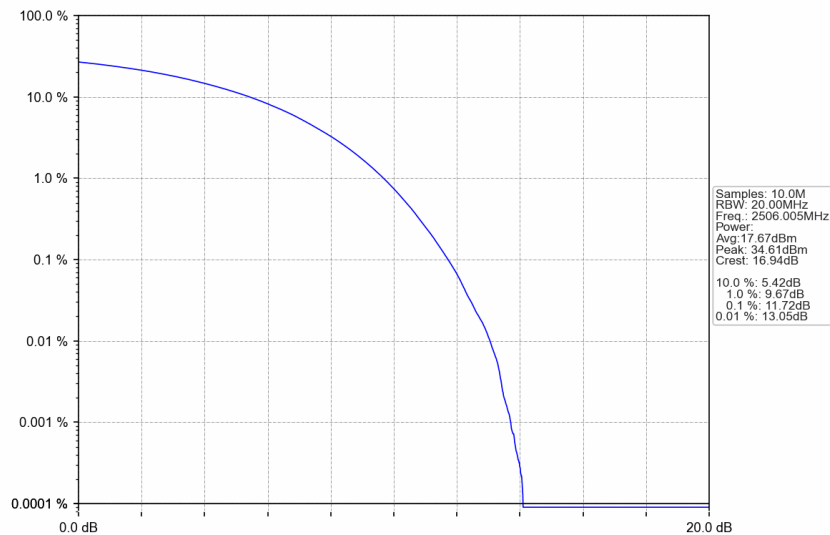


n41_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_2679.99MHz_Outer_Full



n41_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_2506.005MHz_Outer_Full

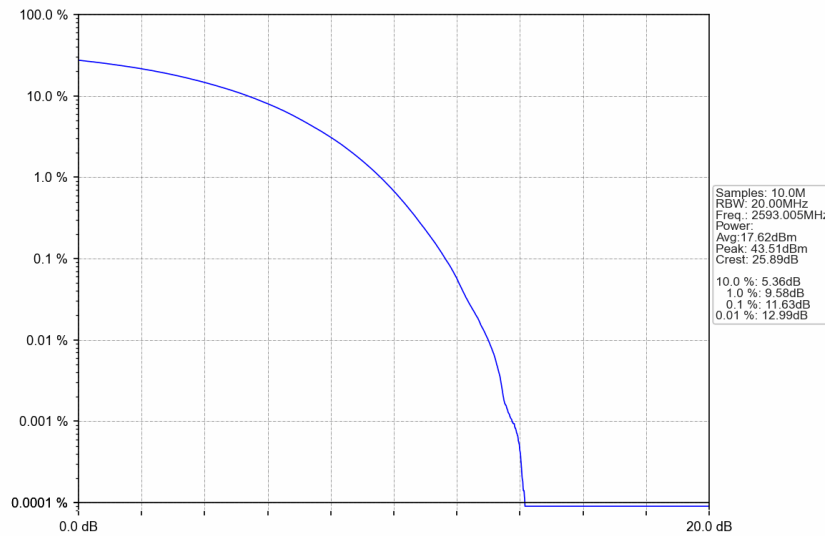


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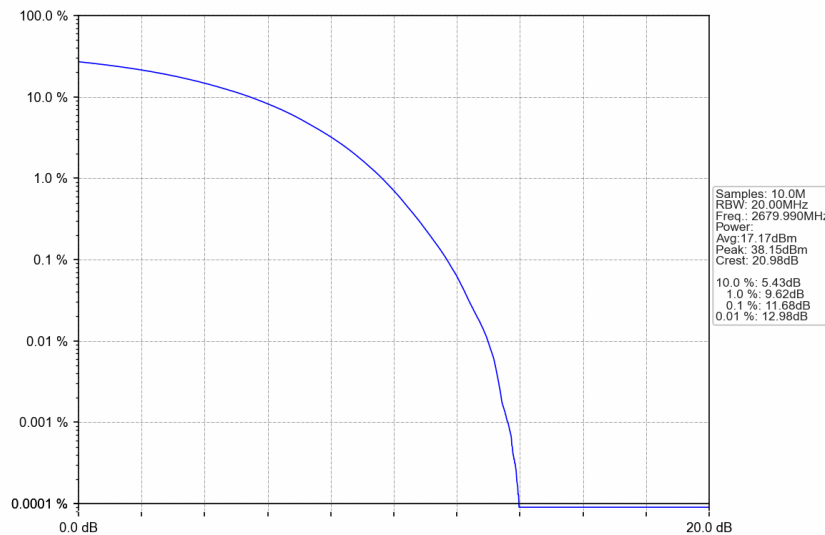
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n41_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_2593.005MHz_Outer_Full



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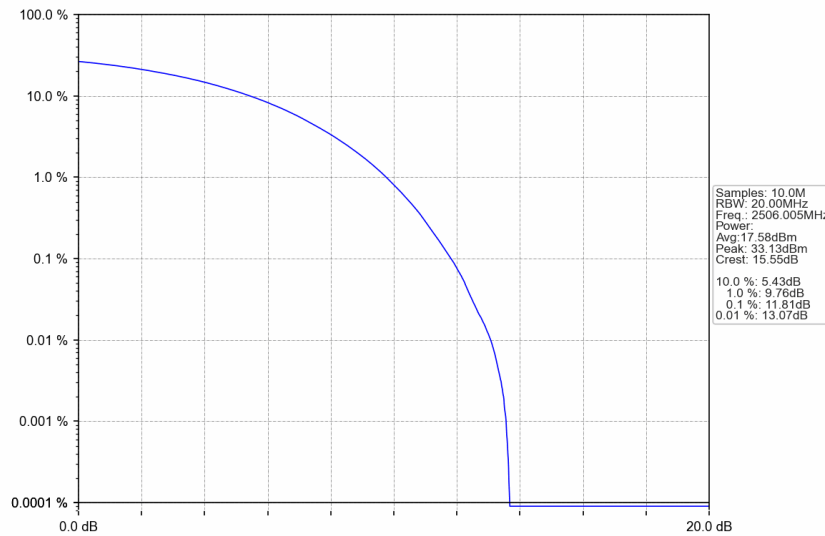


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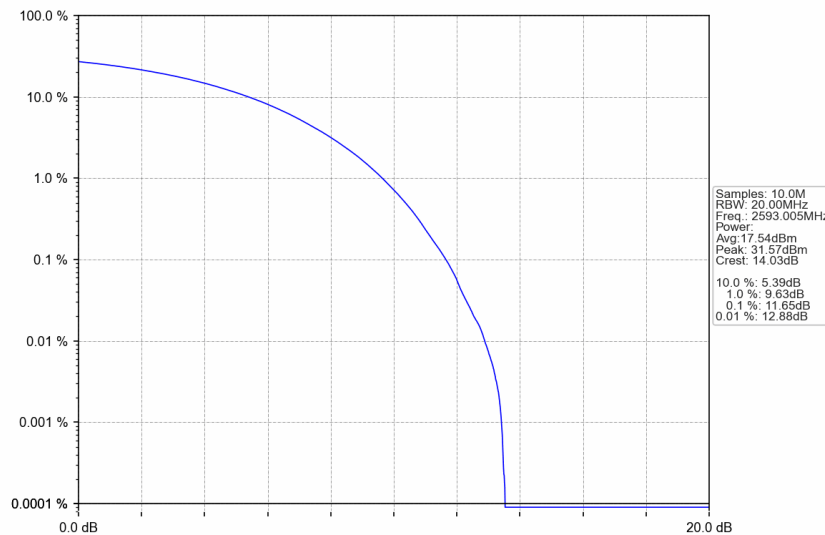
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n41_15kHz_SISO_NTNV_20MHz_CP-OFDM_16 QAM_2506.005MHz_Outer_Full



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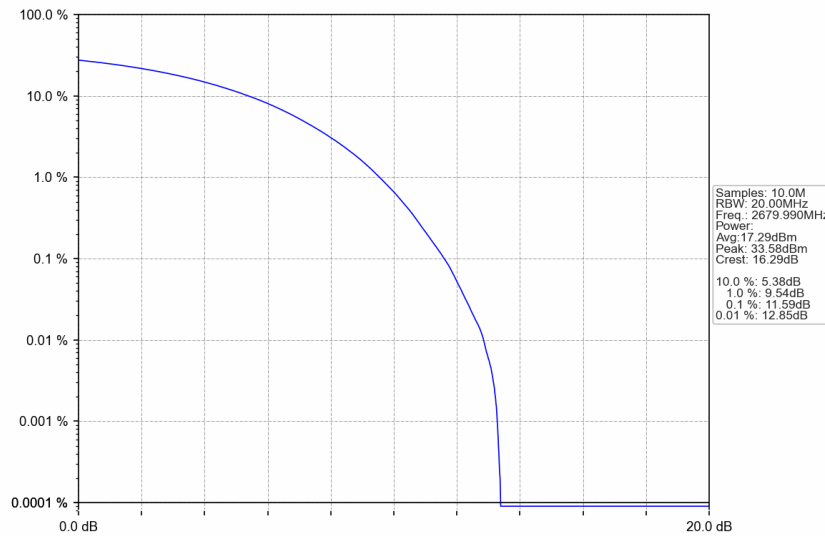


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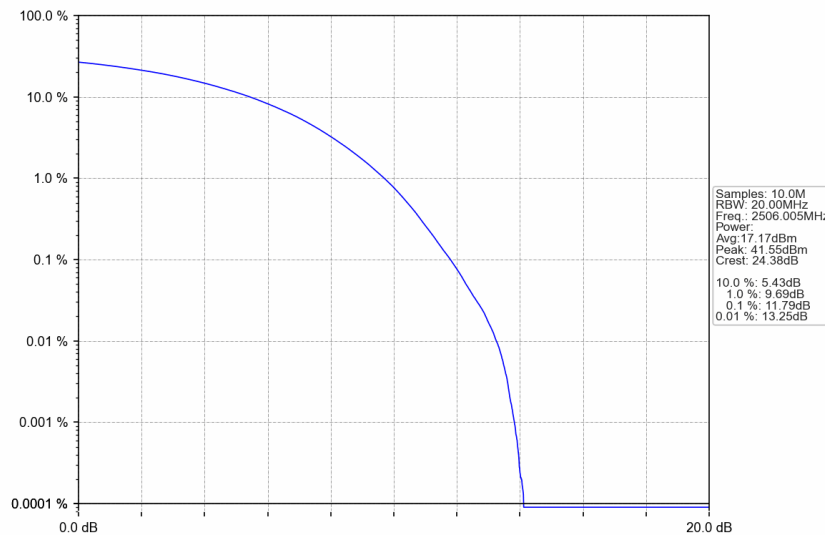
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n41_15kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_2679.99MHz_Outer_Full



n41_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_2506.005MHz_Outer_Full

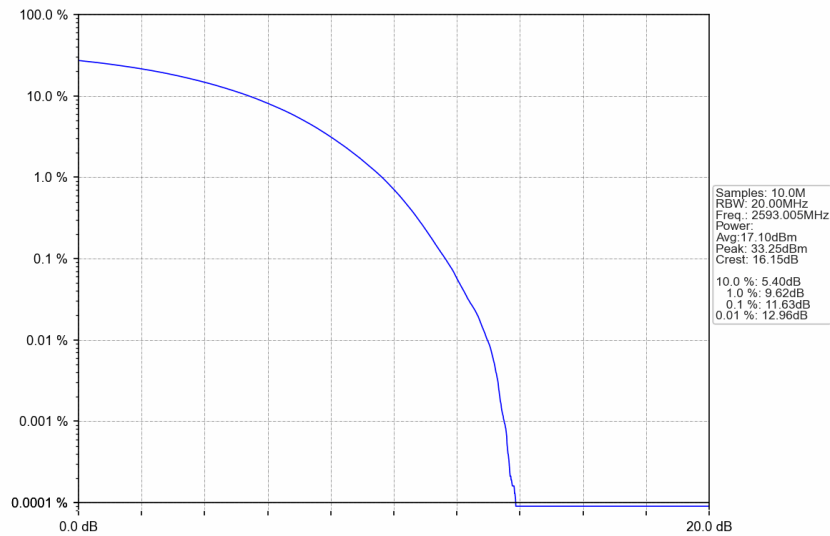


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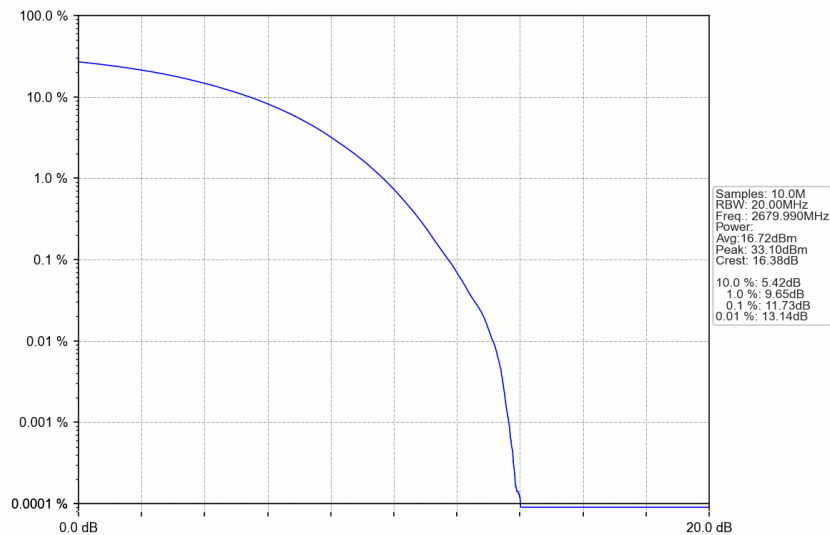
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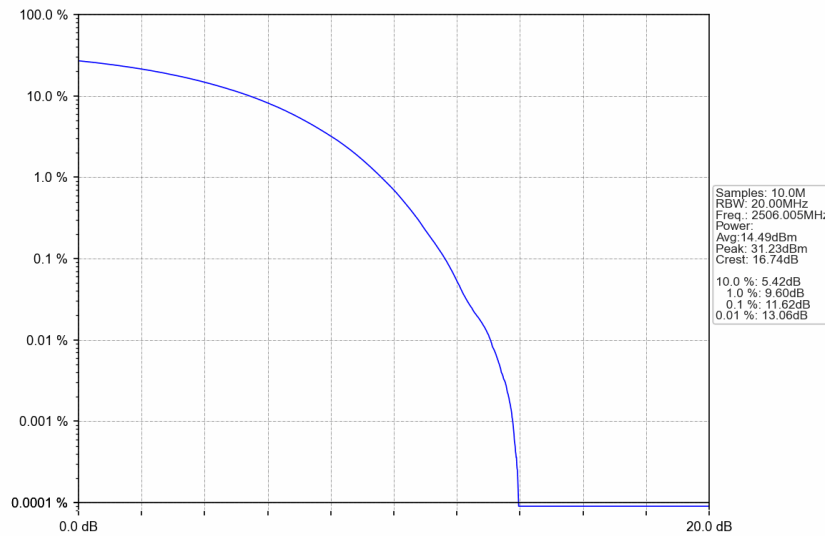
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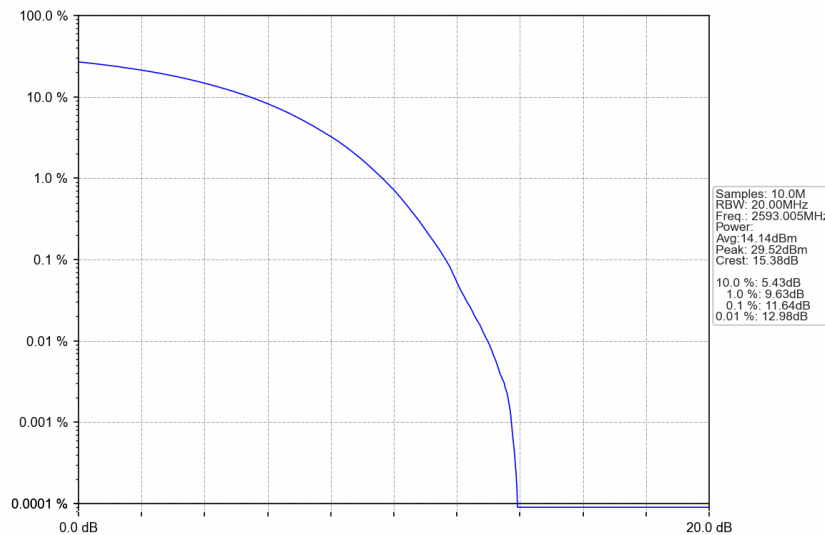
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n41_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_2506.005MHz_Outer_Full



n41_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_2593.005MHz_Outer_Full



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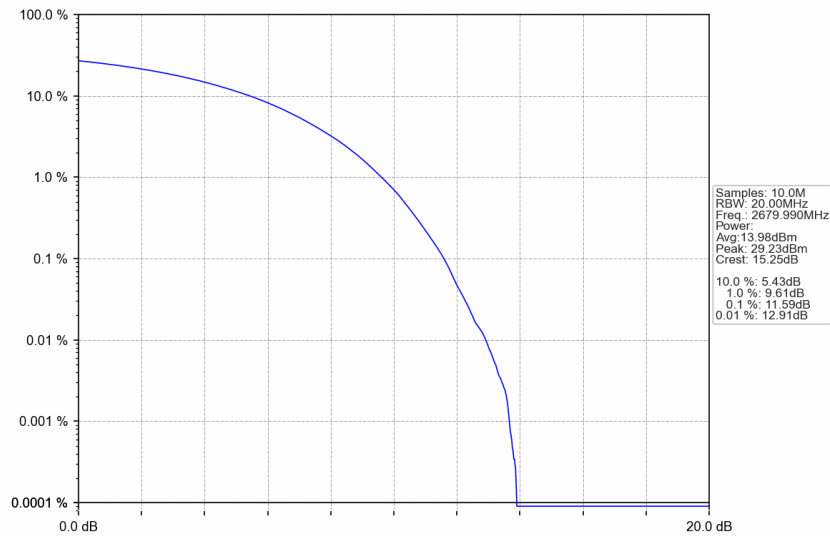


Report No.: SEWM2311000456RG02

Rev.: 01

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n41_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_2679.99MHz_Outer_Full



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5.4 15k_SISO_25MHz_NTNV

5.4.1 Test Result

5G NR n41 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	2508.51	Outer_Full	11.67	/	/	<=13	Pass
	2593.005	Outer_Full	11.23	/	/	<=13	Pass
	2677.5	Outer_Full	11.64	/	/	<=13	Pass
DFT-s-OFDM QPSK	2508.51	Outer_Full	12.35	/	/	<=13	Pass
	2593.005	Outer_Full	11.53	/	/	<=13	Pass
	2677.5	Outer_Full	11.81	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2508.51	Outer_Full	12.08	/	/	<=13	Pass
	2593.005	Outer_Full	12.31	/	/	<=13	Pass
	2677.5	Outer_Full	12.51	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2508.51	Outer_Full	12.23	/	/	<=13	Pass
	2593.005	Outer_Full	12.60	/	/	<=13	Pass
	2677.5	Outer_Full	12.58	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2508.51	Outer_Full	12.04	/	/	<=13	Pass
	2593.005	Outer_Full	12.85	/	/	<=13	Pass
	2677.5	Outer_Full	12.55	/	/	<=13	Pass
CP-OFDM QPSK	2508.51	Outer_Full	11.73	/	/	<=13	Pass
	2593.005	Outer_Full	11.93	/	/	<=13	Pass
	2677.5	Outer_Full	11.20	/	/	<=13	Pass
CP-OFDM 16 QAM	2508.51	Outer_Full	11.72	/	/	<=13	Pass
	2593.005	Outer_Full	12.08	/	/	<=13	Pass
	2677.5	Outer_Full	11.77	/	/	<=13	Pass
CP-OFDM 64 QAM	2508.51	Outer_Full	11.54	/	/	<=13	Pass
	2593.005	Outer_Full	11.95	/	/	<=13	Pass
	2677.5	Outer_Full	11.50	/	/	<=13	Pass
CP-OFDM 256 QAM	2508.51	Outer_Full	11.71	/	/	<=13	Pass
	2593.005	Outer_Full	11.95	/	/	<=13	Pass
	2677.5	Outer_Full	11.54	/	/	<=13	Pass

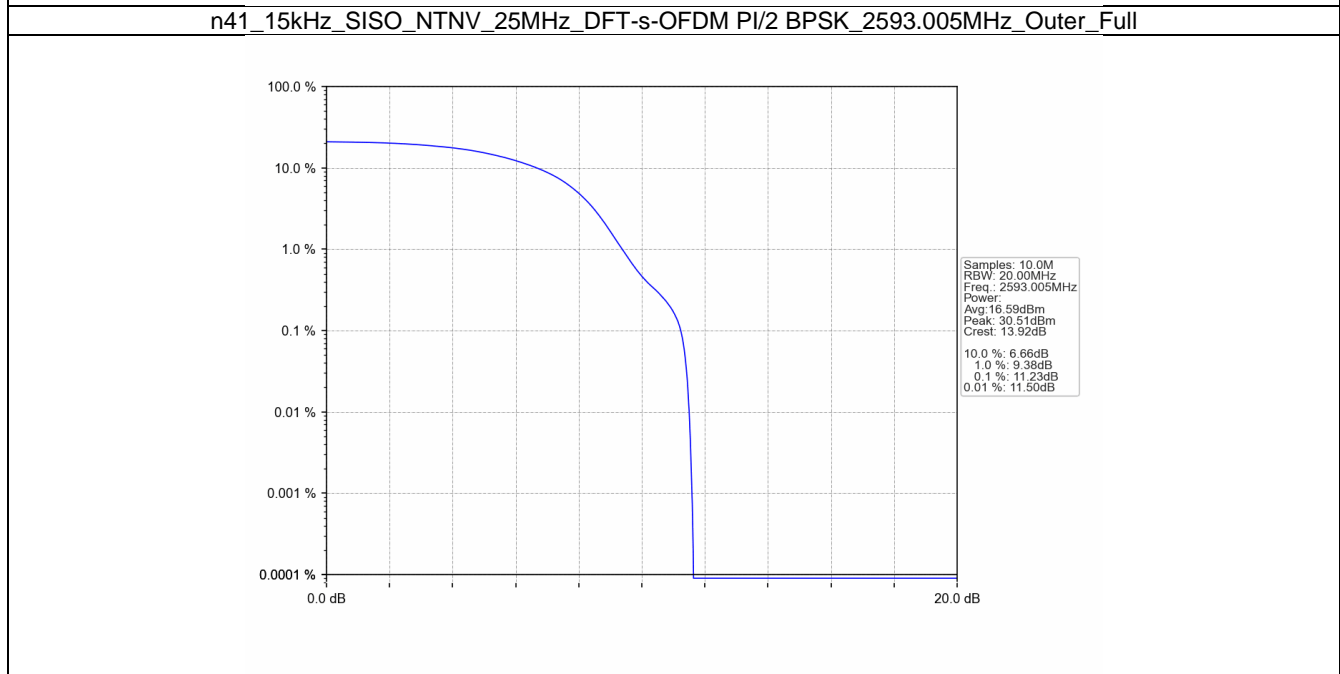
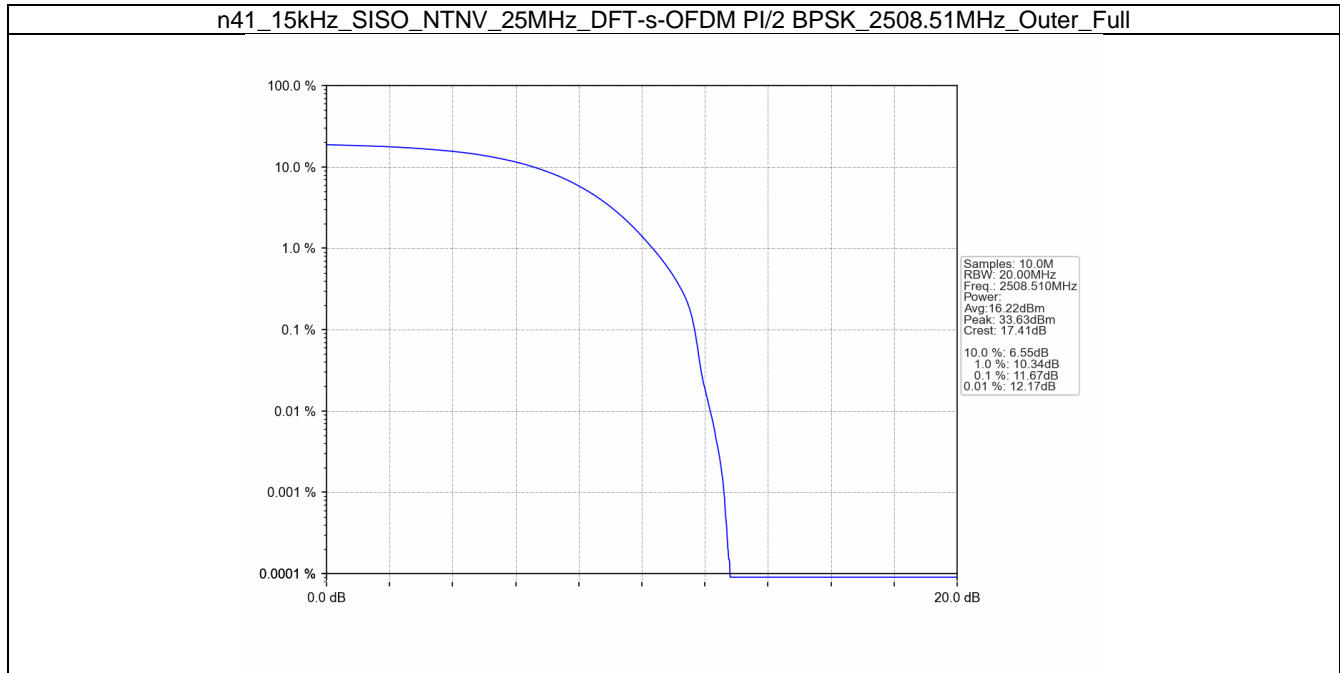


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5.4.2 Test Graph



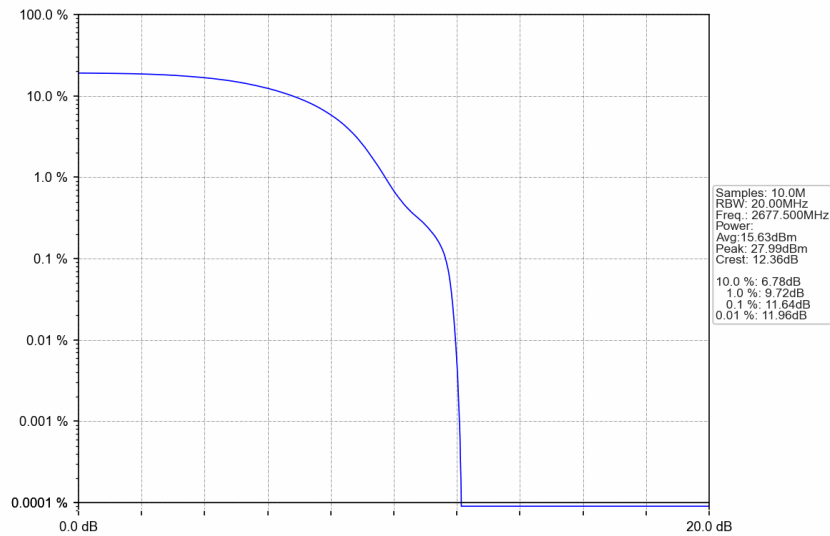
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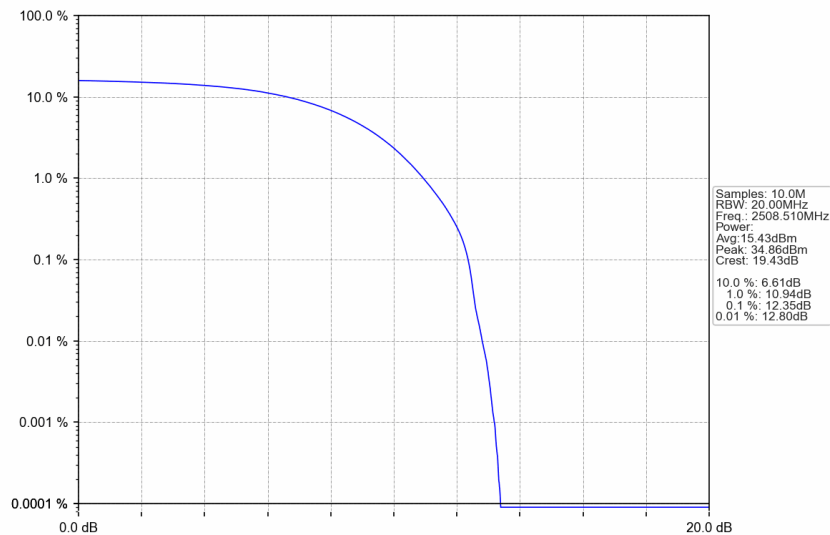
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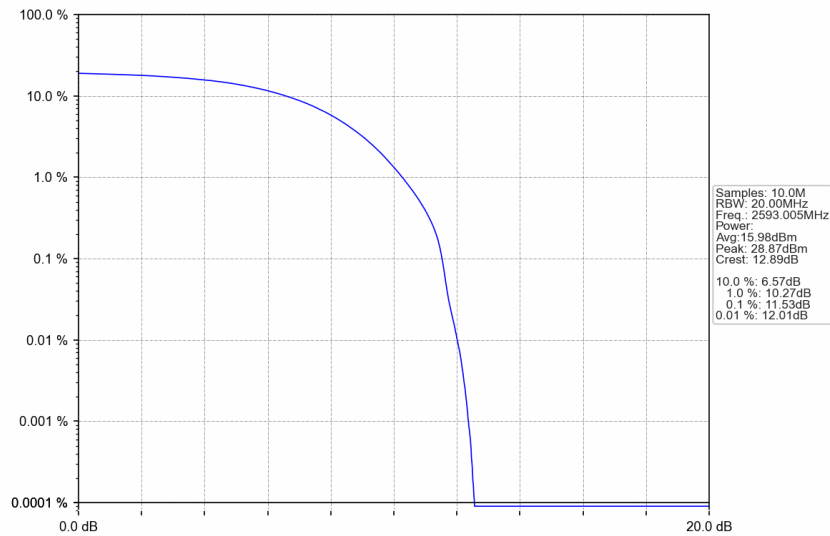
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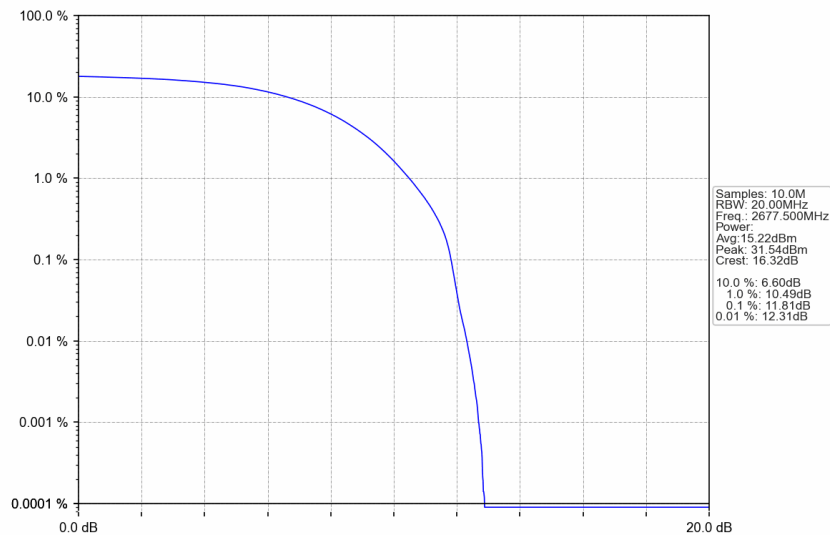
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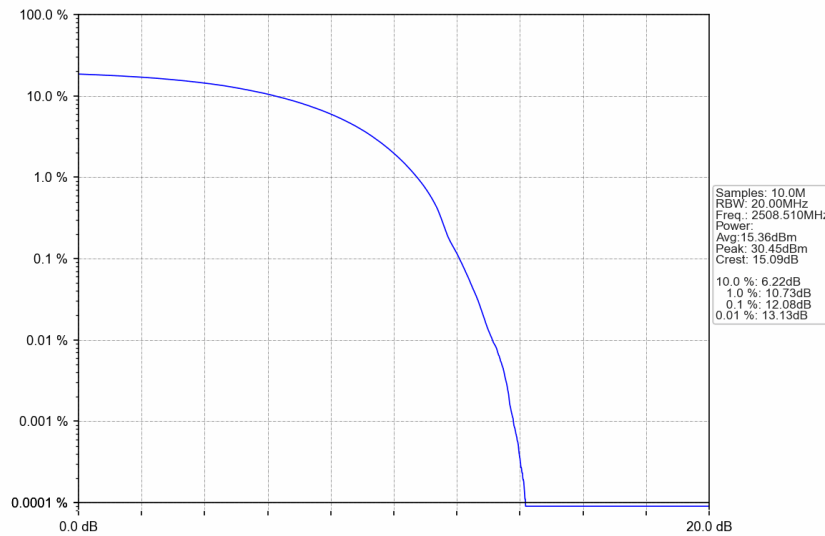
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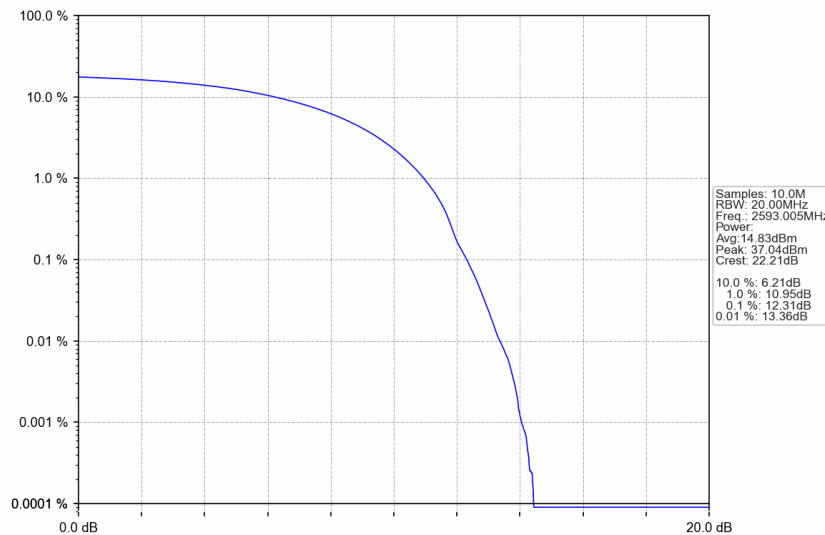
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n41_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM 16 QAM_2508.51MHz_Outer_Full



n41_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM 16 QAM_2593.005MHz_Outer_Full



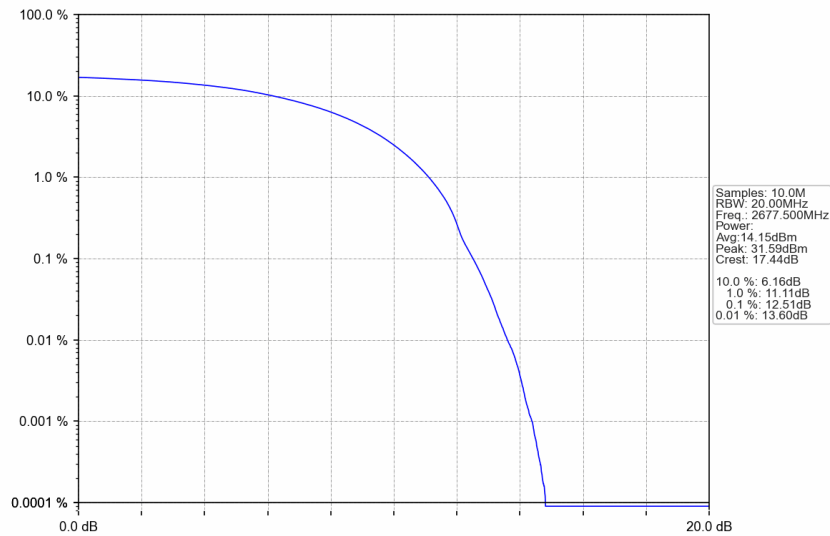
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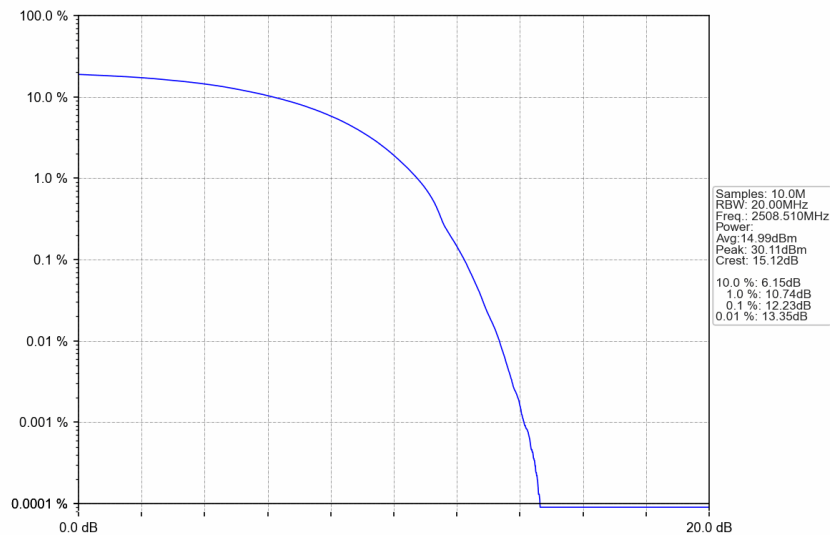
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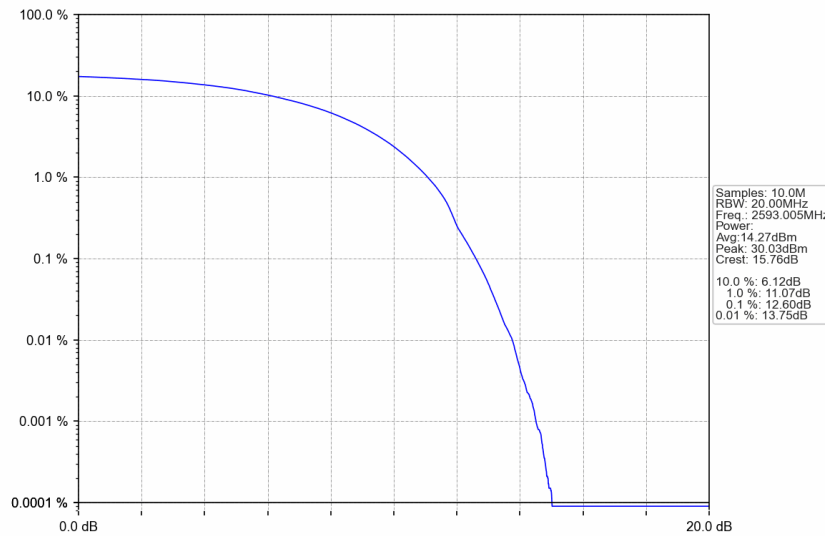
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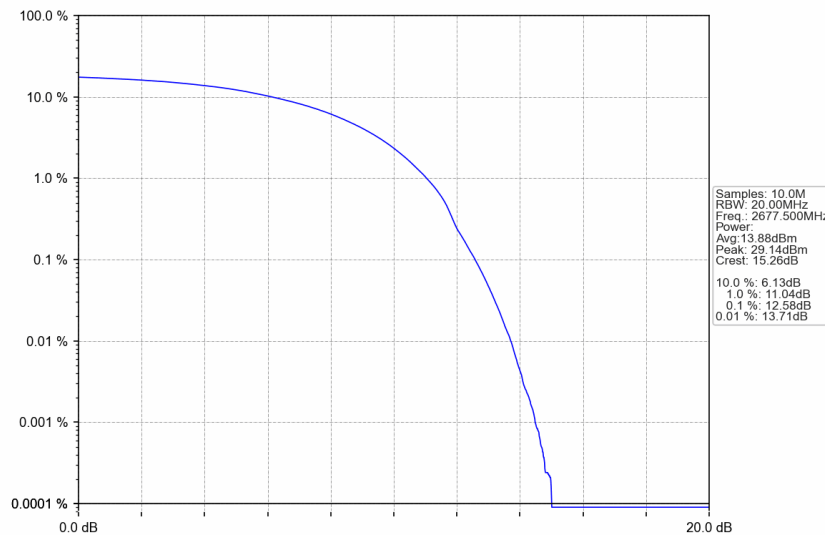
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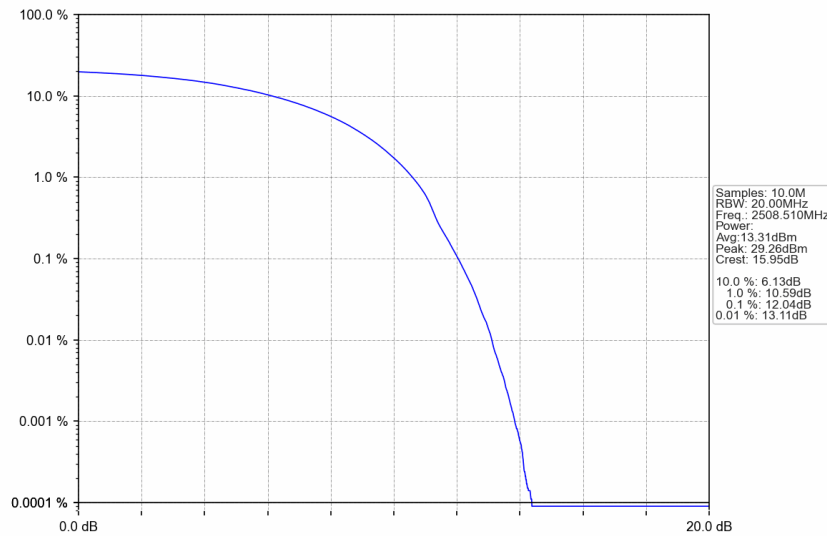


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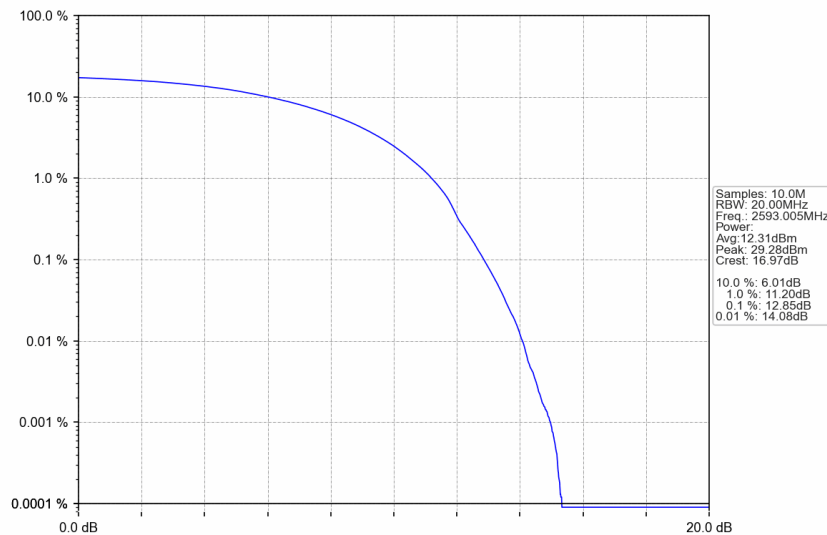
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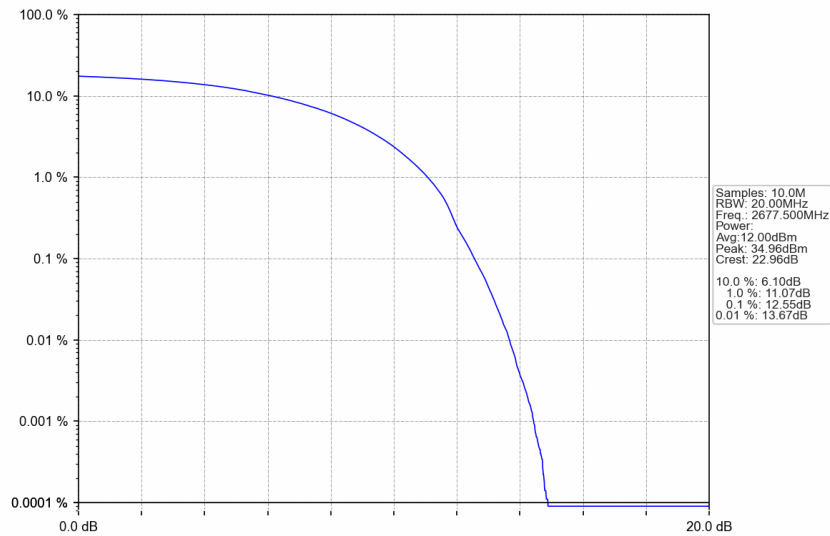
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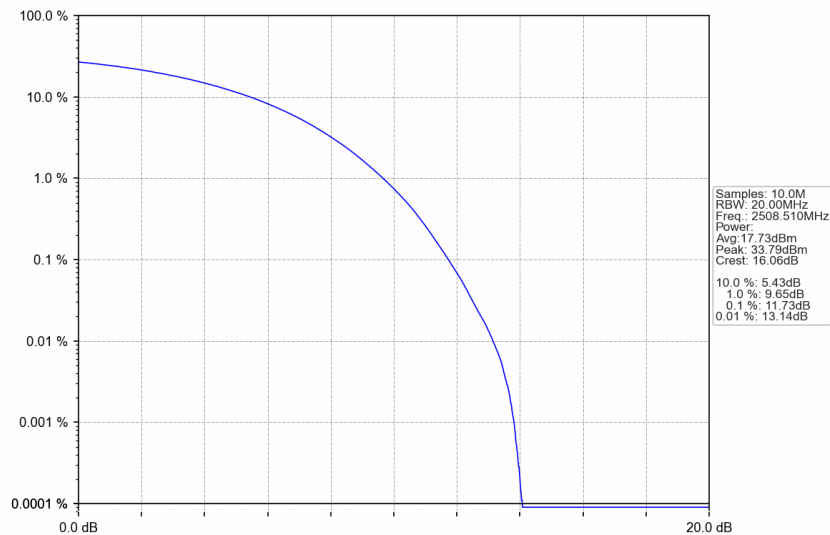
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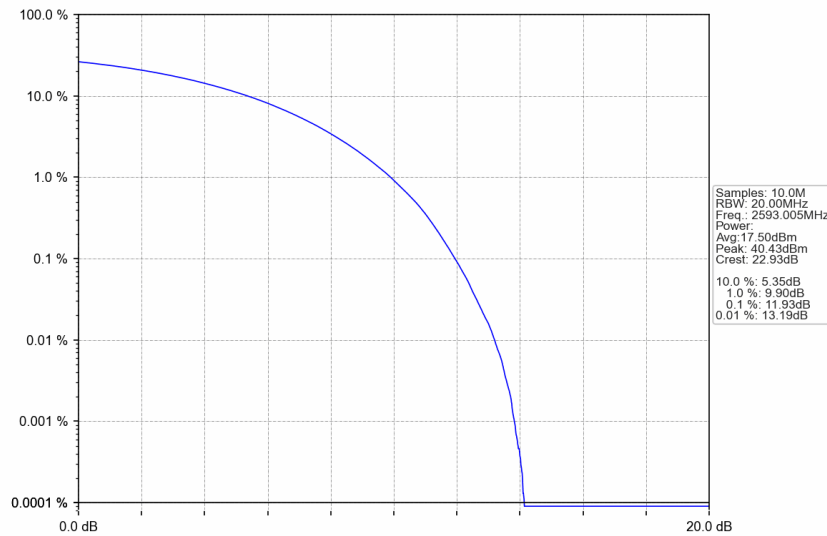


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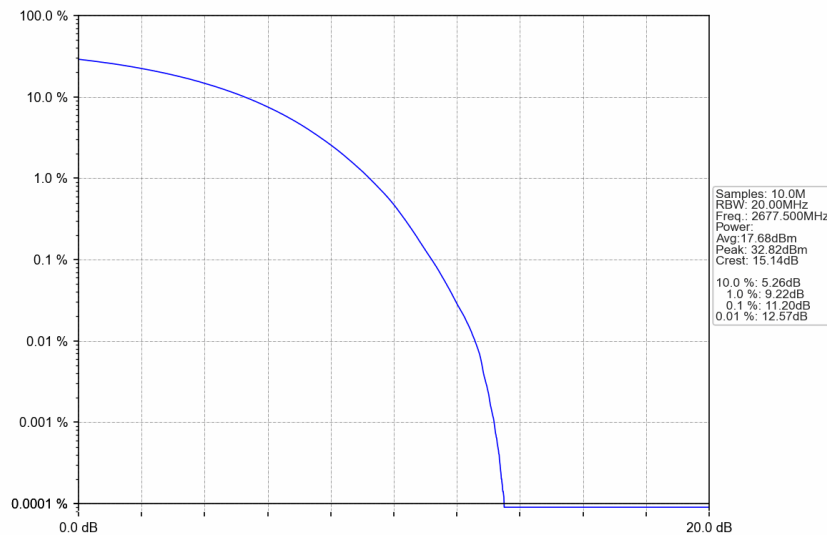
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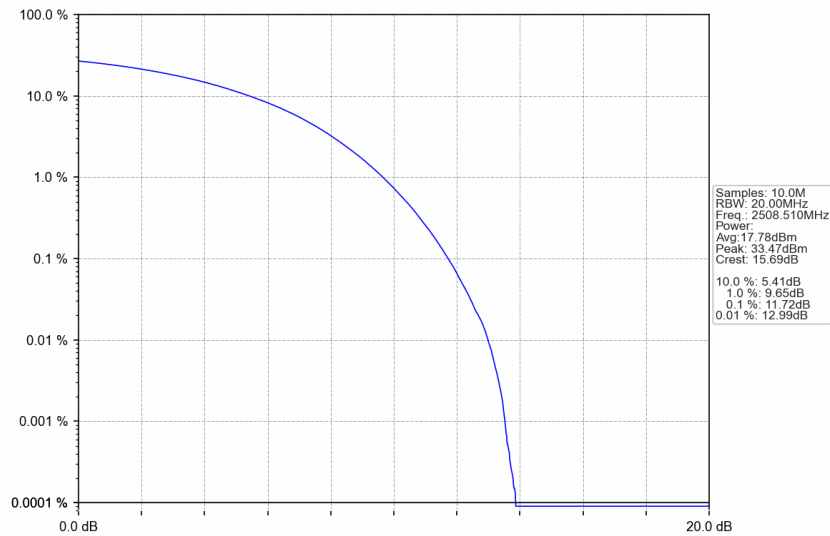
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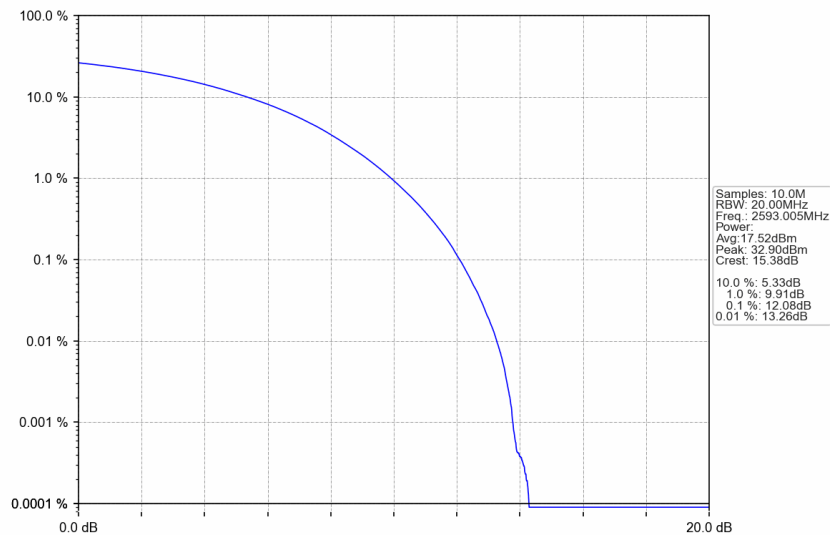
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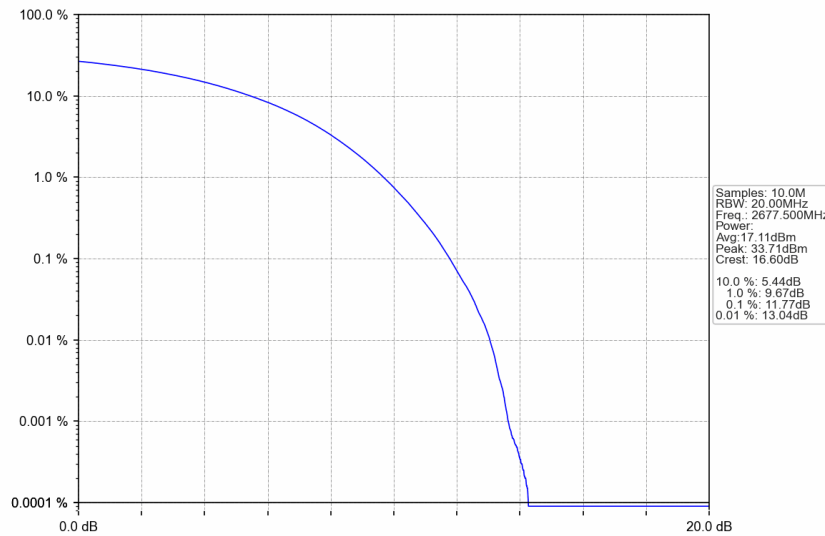
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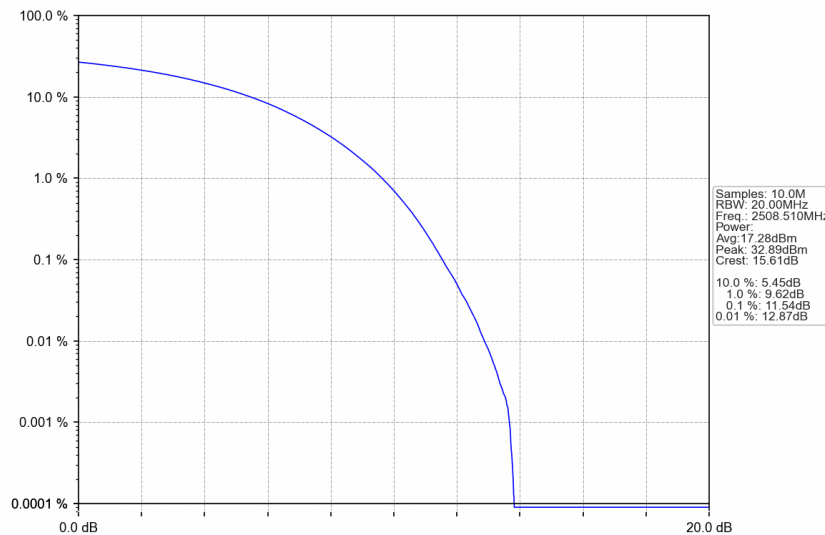
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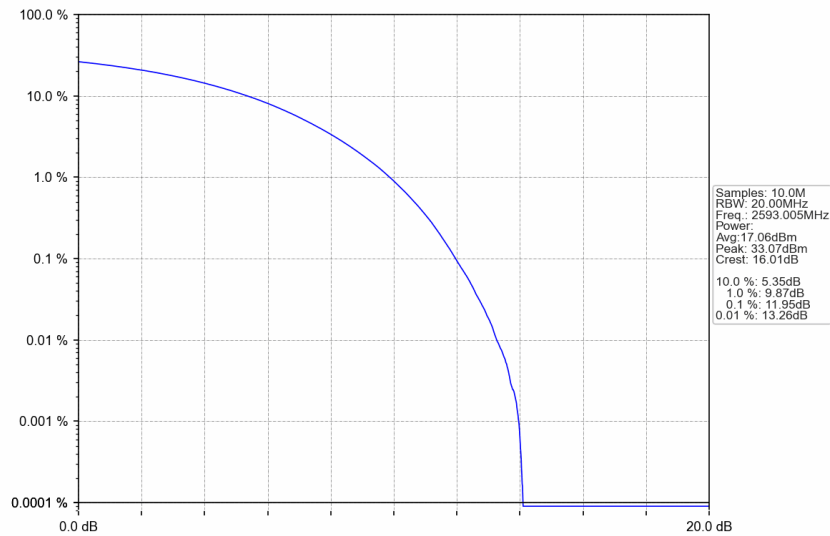
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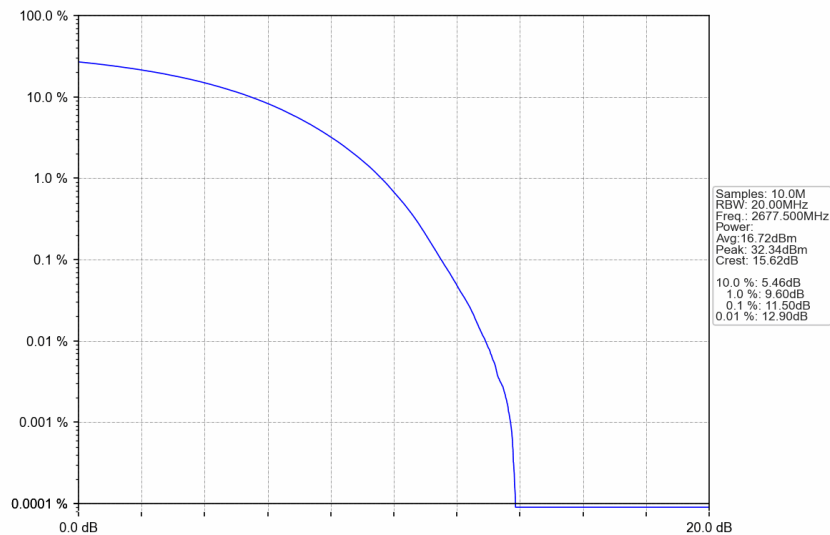
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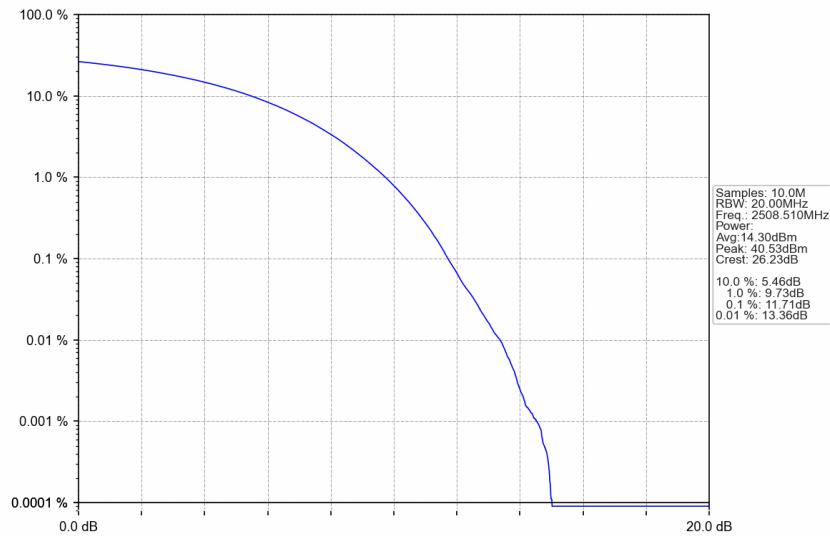
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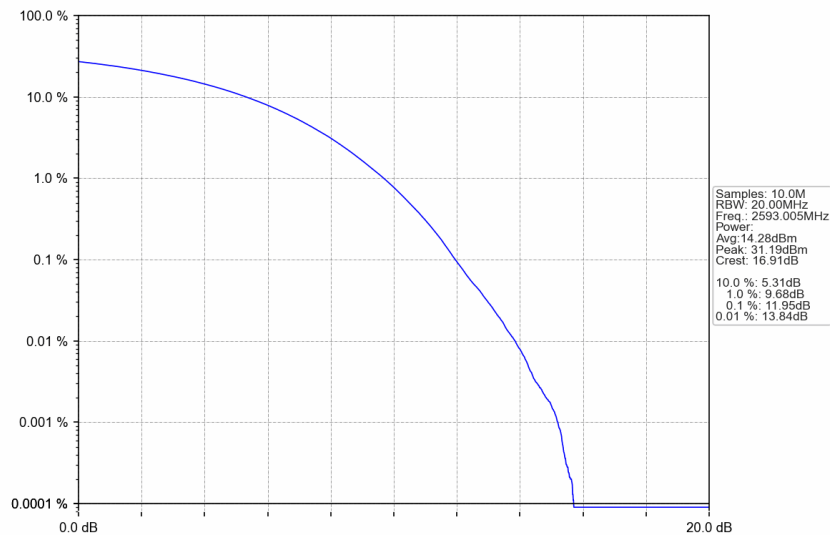
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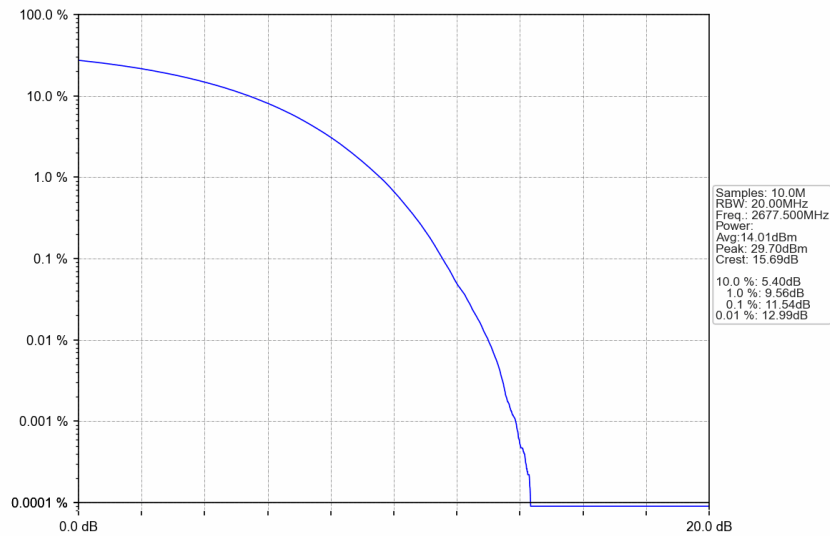
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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

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5.5 15k_SISO_30MHz_NTNV

5.5.1 Test Result

5G NR n41 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	2511	Outer_Full	12.04	/	/	<=13	Pass
	2593.005	Outer_Full	10.44	/	/	<=13	Pass
	2674.995	Outer_Full	10.80	/	/	<=13	Pass
DFT-s-OFDM QPSK	2511	Outer_Full	11.50	/	/	<=13	Pass
	2593.005	Outer_Full	11.60	/	/	<=13	Pass
	2674.995	Outer_Full	11.46	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2511	Outer_Full	12.66	/	/	<=13	Pass
	2593.005	Outer_Full	12.43	/	/	<=13	Pass
	2674.995	Outer_Full	12.50	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2511	Outer_Full	12.80	/	/	<=13	Pass
	2593.005	Outer_Full	9.60	/	/	<=13	Pass
	2674.995	Outer_Full	12.81	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2511	Outer_Full	10.42	/	/	<=13	Pass
	2593.005	Outer_Full	12.45	/	/	<=13	Pass
	2674.995	Outer_Full	12.99	/	/	<=13	Pass
CP-OFDM QPSK	2511	Outer_Full	11.84	/	/	<=13	Pass
	2593.005	Outer_Full	11.73	/	/	<=13	Pass
	2674.995	Outer_Full	11.62	/	/	<=13	Pass
CP-OFDM 16 QAM	2511	Outer_Full	11.69	/	/	<=13	Pass
	2593.005	Outer_Full	11.67	/	/	<=13	Pass
	2674.995	Outer_Full	11.56	/	/	<=13	Pass
CP-OFDM 64 QAM	2511	Outer_Full	11.65	/	/	<=13	Pass
	2593.005	Outer_Full	11.45	/	/	<=13	Pass
	2674.995	Outer_Full	11.63	/	/	<=13	Pass
CP-OFDM 256 QAM	2511	Outer_Full	11.58	/	/	<=13	Pass
	2593.005	Outer_Full	11.62	/	/	<=13	Pass
	2674.995	Outer_Full	12.01	/	/	<=13	Pass

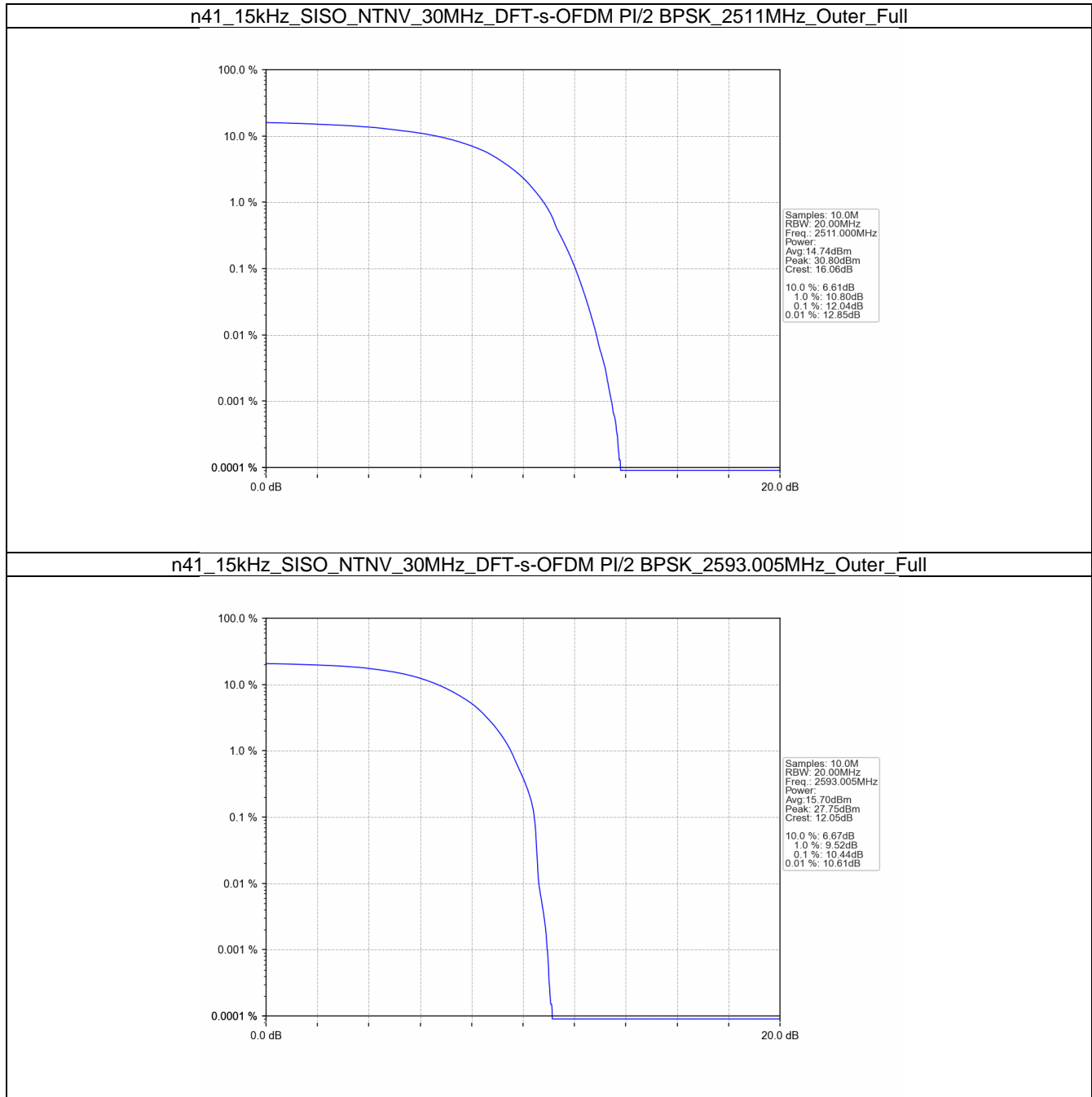


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5.5.2 Test Graph

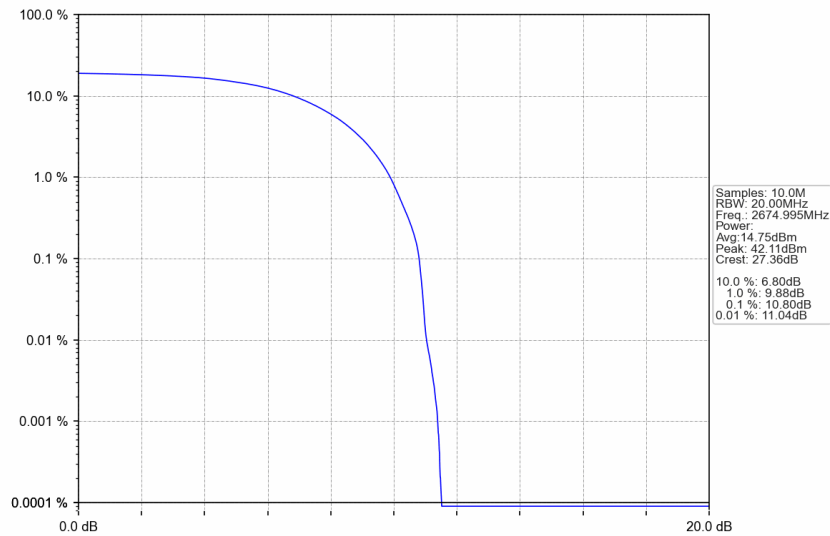


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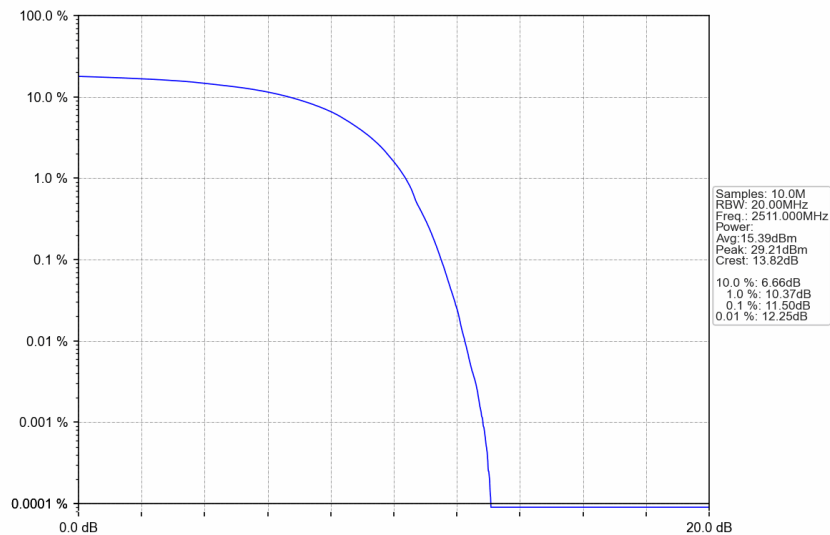
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n41_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_2674.995MHz_Outer_Full



n41_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_2511MHz_Outer_Full



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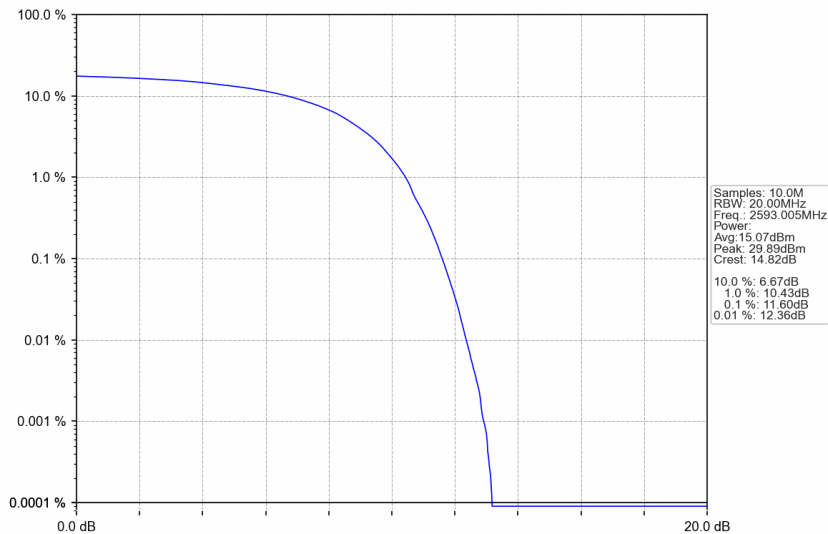
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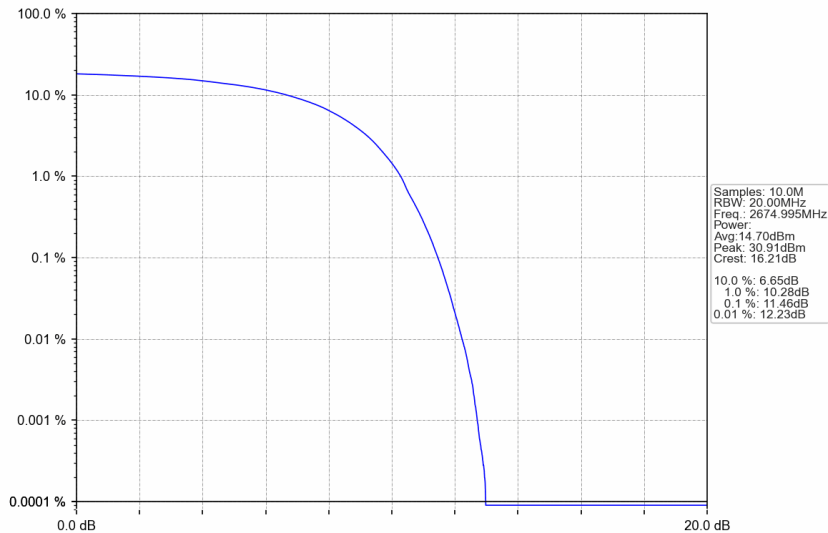
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n41_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_2593.005MHz_Outer_Full



n41_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_2674.995MHz_Outer_Full

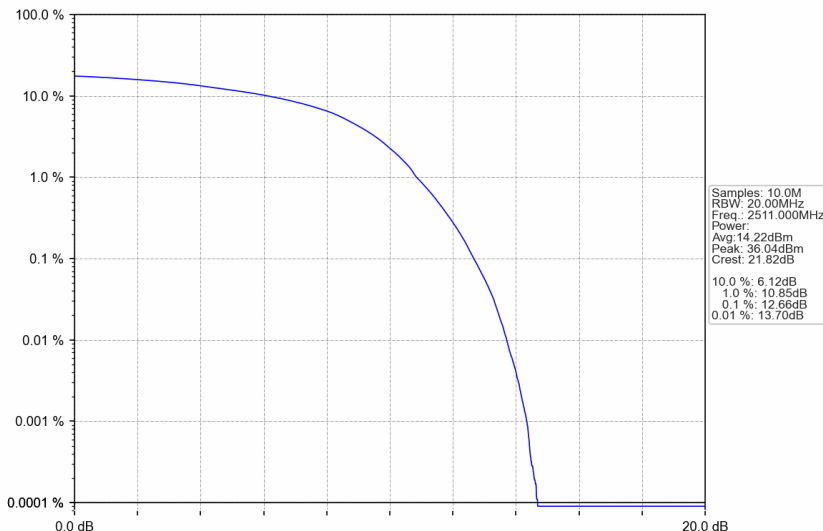


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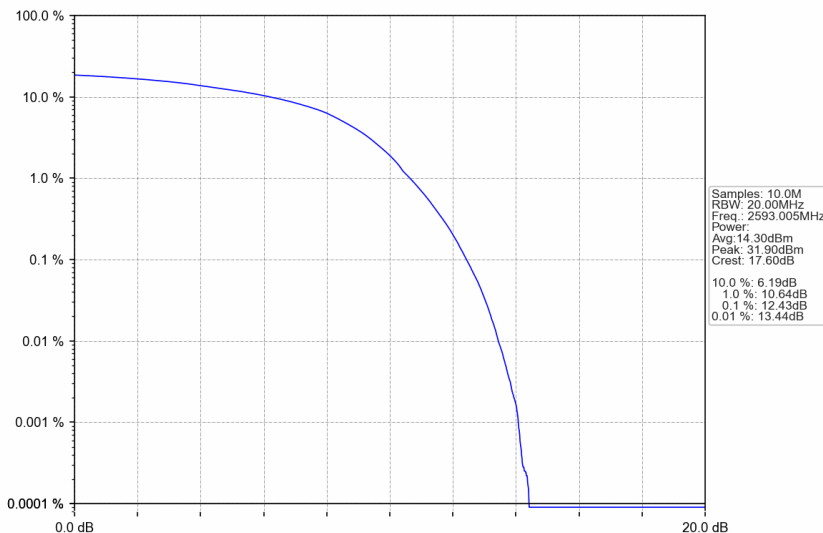
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n41_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_2511MHz_Outer_Full



n41_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_2593.005MHz_Outer_Full



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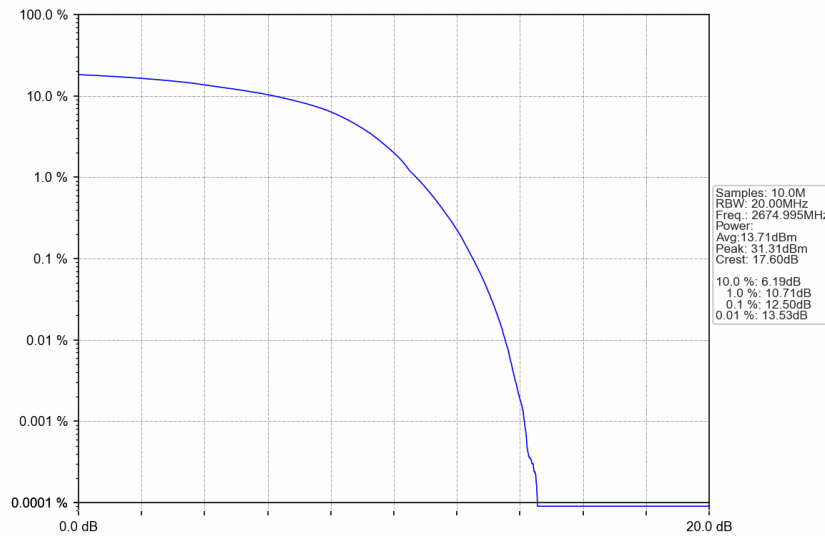
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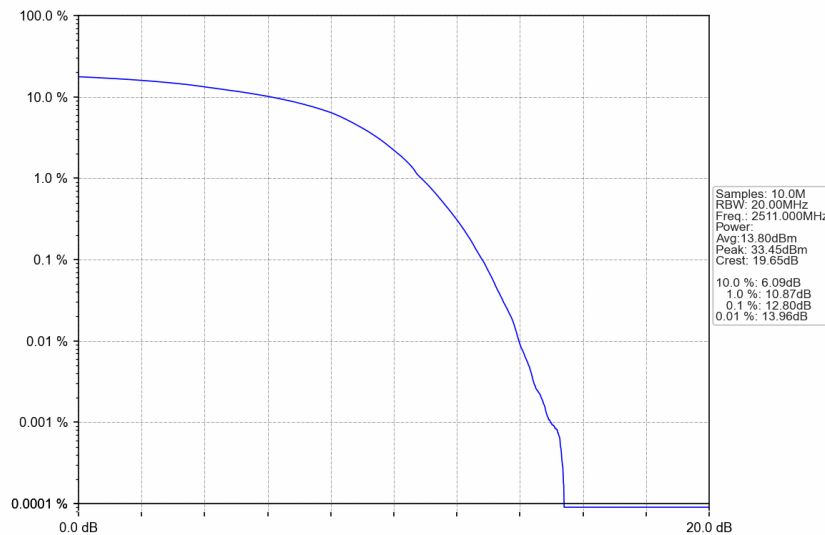
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n41_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_2674.995MHz_Outer_Full



n41_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_2511MHz_Outer_Full



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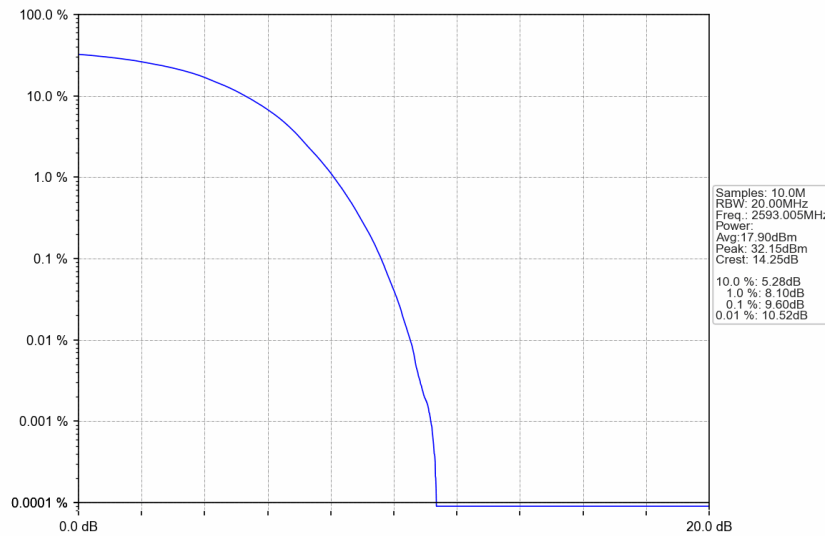


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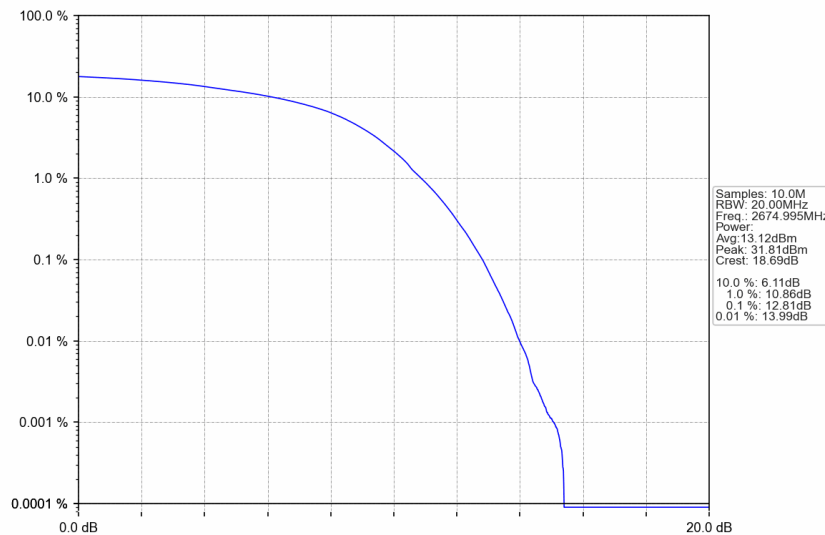
Rev.: 01

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n41_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_2593.005MHz_Outer_Full



n41_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_2674.995MHz_Outer_Full



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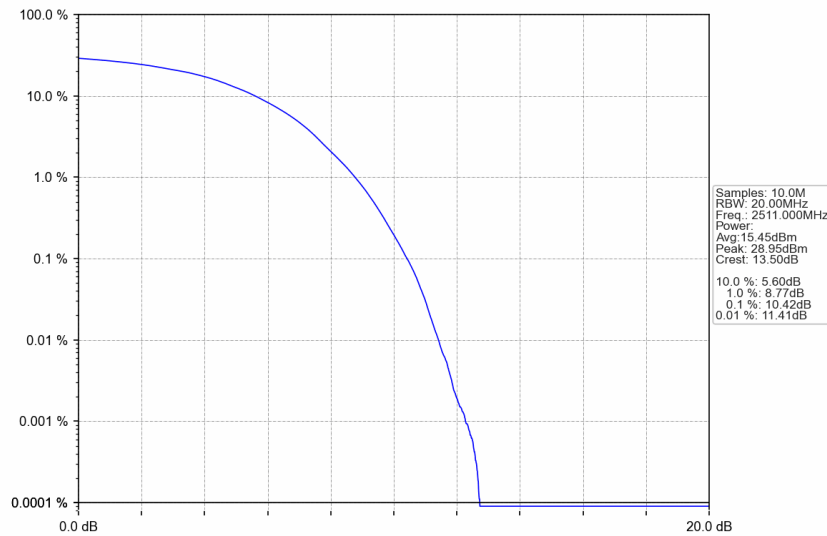
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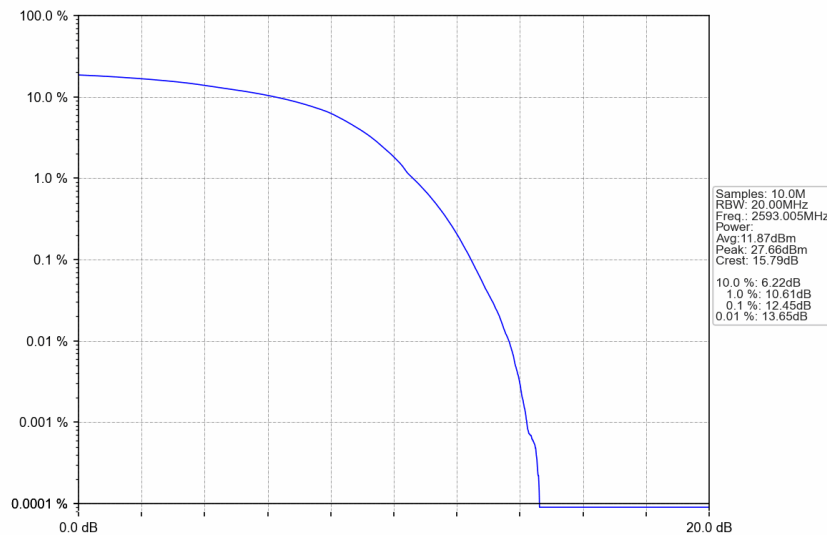
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n41_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_2511MHz_Outer_Full



n41_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_2593.005MHz_Outer_Full



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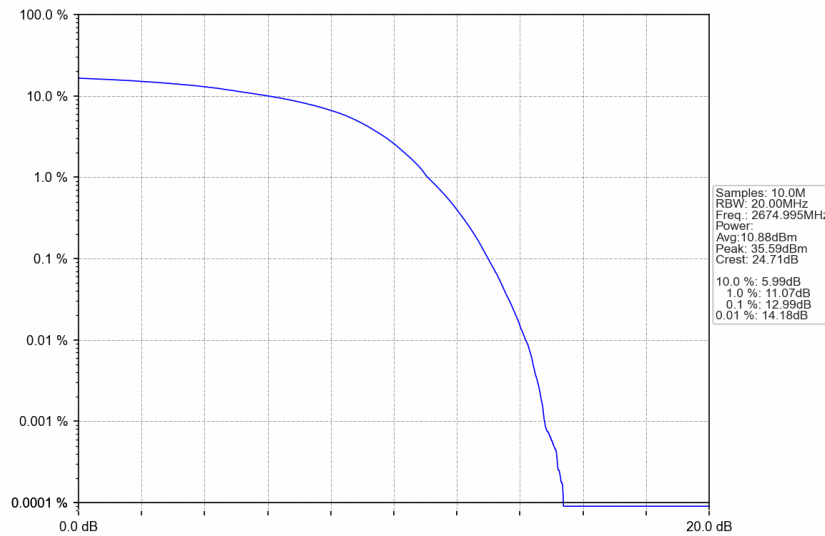
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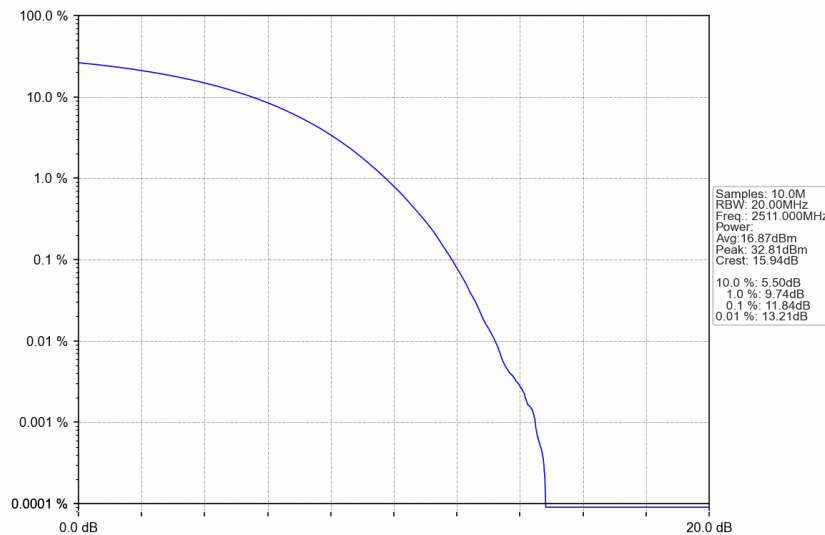
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n41_15kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_2511MHz_Outer_Full

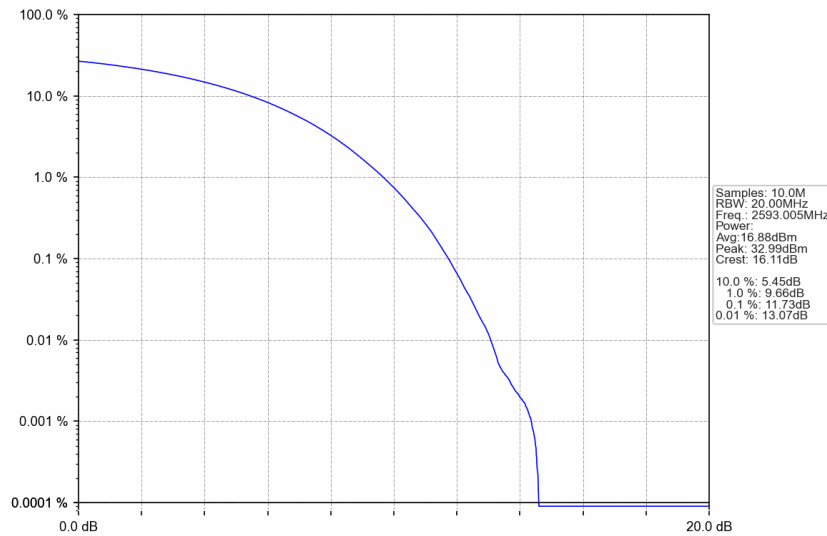


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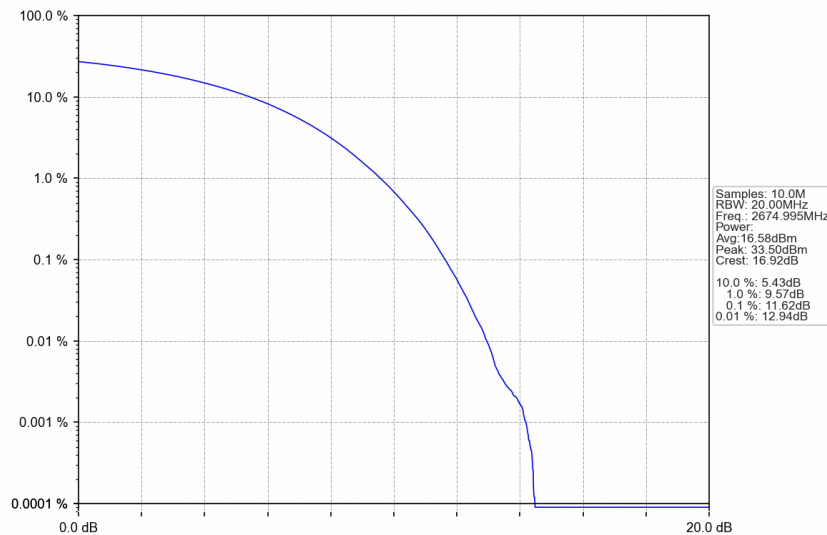
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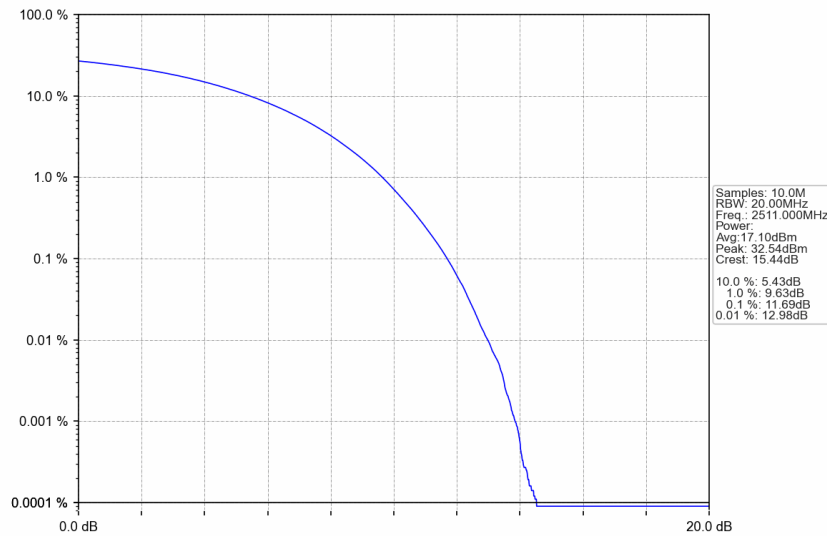
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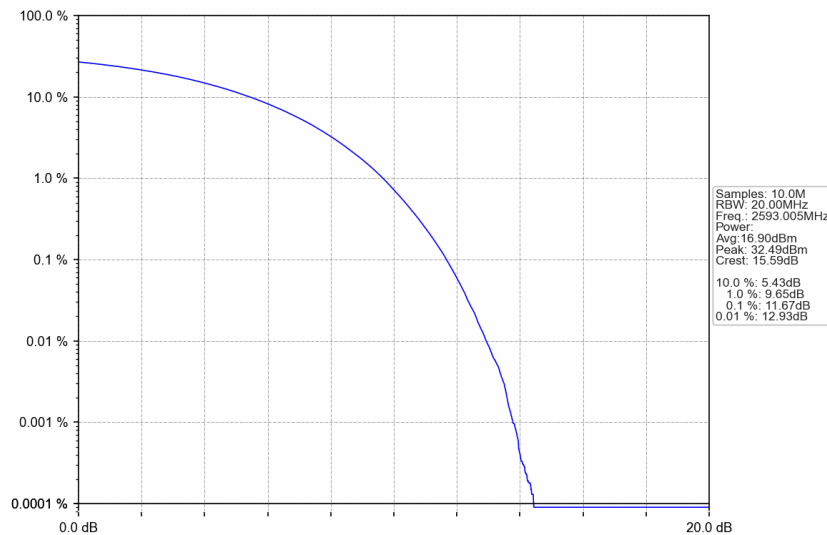
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n41_15kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_2593.005MHz_Outer_Full

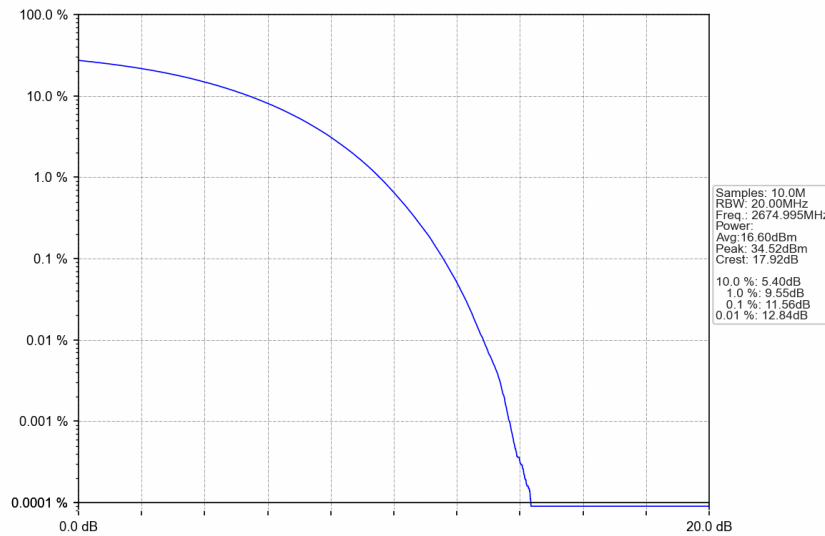


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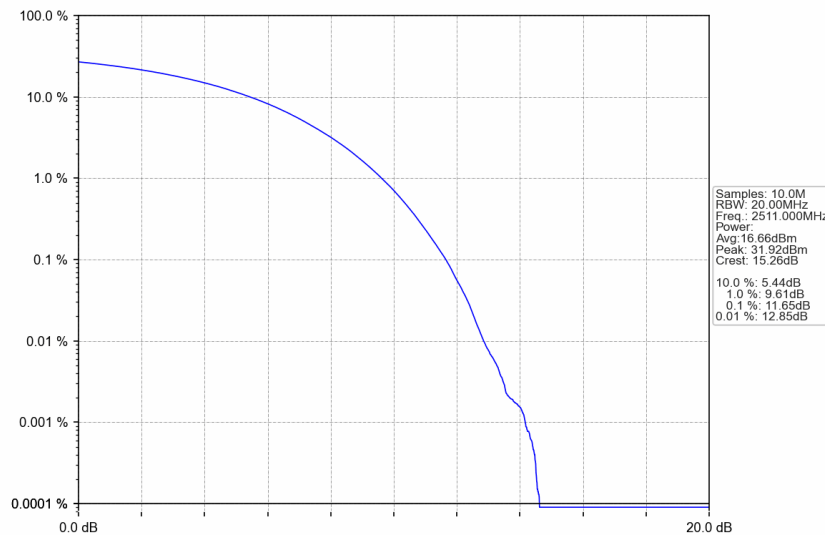
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n41_15kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_2674.995MHz_Outer_Full



n41_15kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_2511MHz_Outer_Full

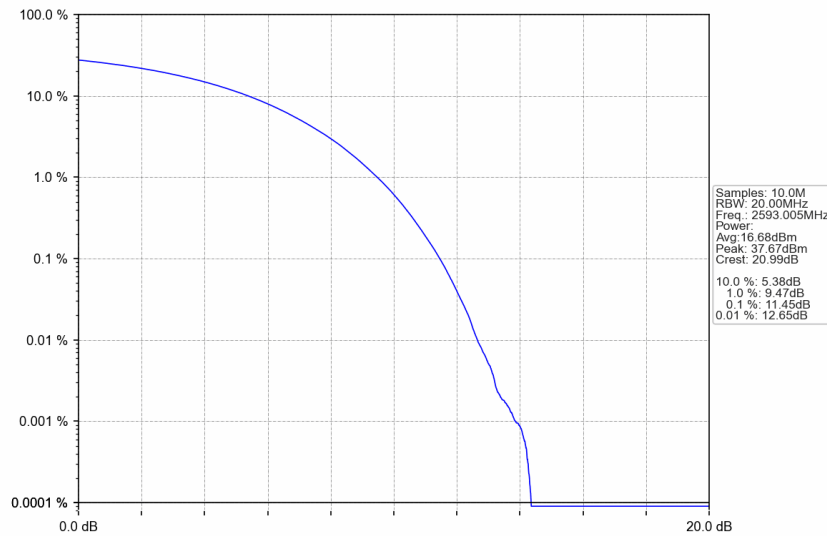


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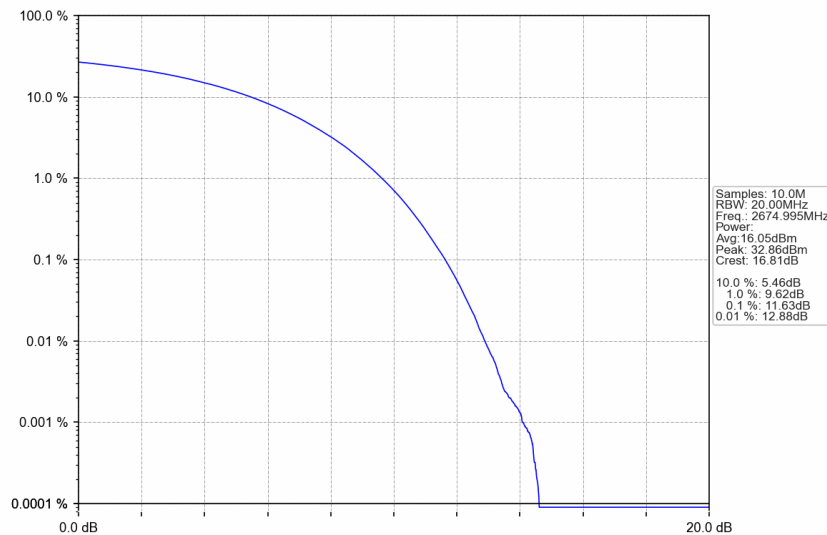
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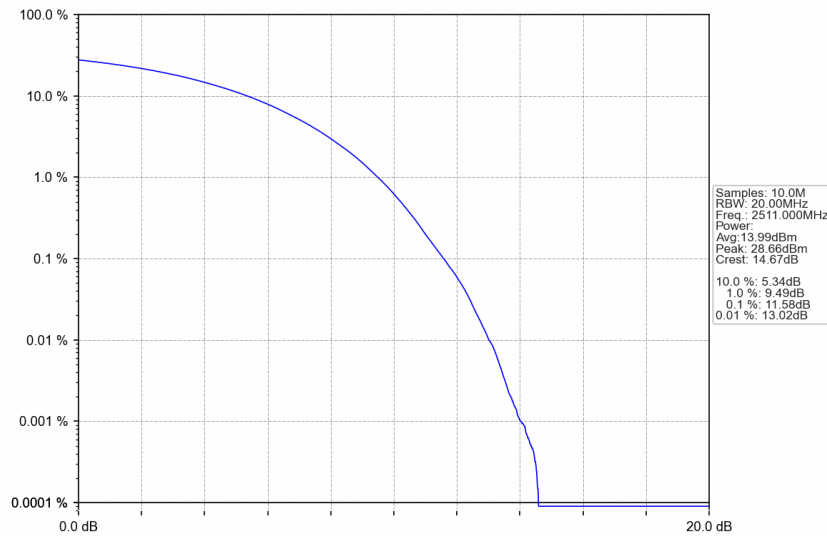


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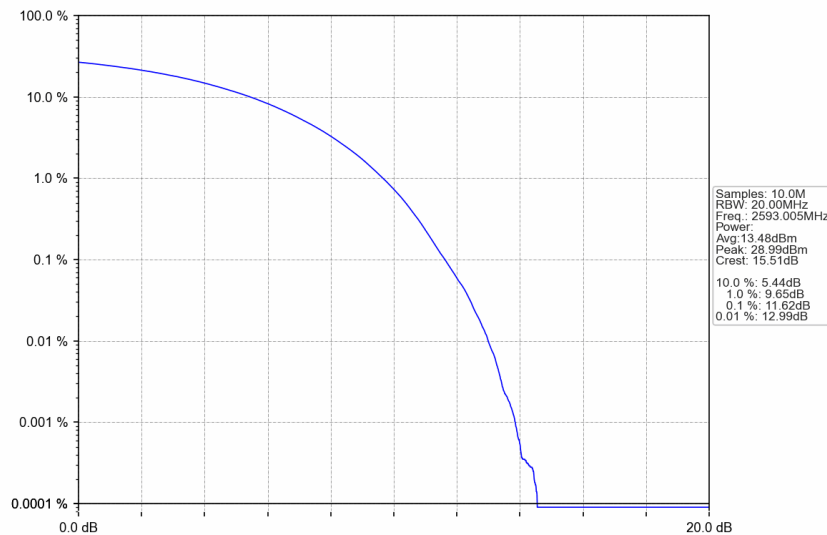
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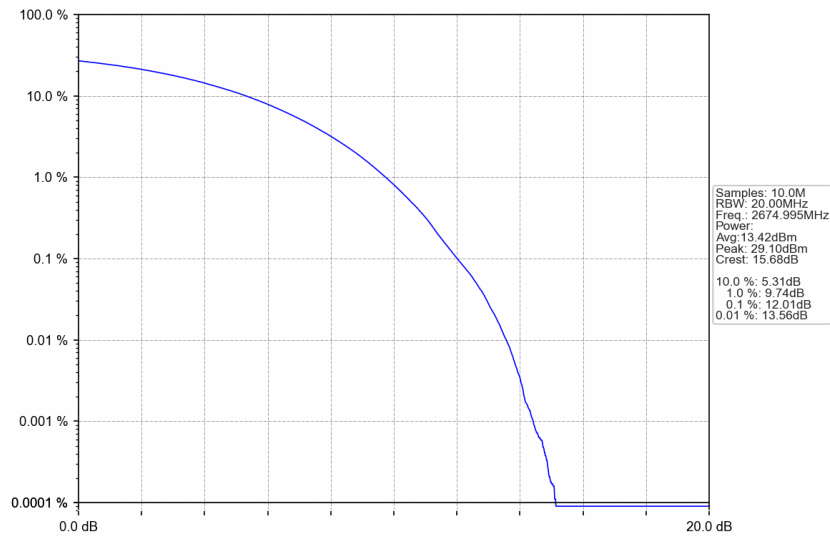
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Report No.: SEWM2311000456RG02

Rev.: 01

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5.6 15k_SISO_40MHz_NTNV

5.6.1 Test Result

5G NR n41 SCS=15kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2516.01	Outer_Full	11.69	/	/	<=13	Pass
	2593.005	Outer_Full	11.05	/	/	<=13	Pass
	2670	Outer_Full	11.14	/	/	<=13	Pass
DFT-s-OFDM QPSK	2516.01	Outer_Full	12.50	/	/	<=13	Pass
	2593.005	Outer_Full	12.14	/	/	<=13	Pass
	2670	Outer_Full	11.64	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2516.01	Outer_Full	9.72	/	/	<=13	Pass
	2593.005	Outer_Full	9.82	/	/	<=13	Pass
	2670	Outer_Full	12.77	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2516.01	Outer_Full	10.34	/	/	<=13	Pass
	2593.005	Outer_Full	9.69	/	/	<=13	Pass
	2670	Outer_Full	12.68	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2516.01	Outer_Full	10.19	/	/	<=13	Pass
	2593.005	Outer_Full	12.93	/	/	<=13	Pass
	2670	Outer_Full	12.98	/	/	<=13	Pass
CP-OFDM QPSK	2516.01	Outer_Full	11.71	/	/	<=13	Pass
	2593.005	Outer_Full	11.88	/	/	<=13	Pass
	2670	Outer_Full	11.60	/	/	<=13	Pass
CP-OFDM 16 QAM	2516.01	Outer_Full	11.72	/	/	<=13	Pass
	2593.005	Outer_Full	12.11	/	/	<=13	Pass
	2670	Outer_Full	11.69	/	/	<=13	Pass
CP-OFDM 64 QAM	2516.01	Outer_Full	11.63	/	/	<=13	Pass
	2593.005	Outer_Full	11.80	/	/	<=13	Pass
	2670	Outer_Full	11.57	/	/	<=13	Pass
CP-OFDM 256 QAM	2516.01	Outer_Full	11.69	/	/	<=13	Pass
	2593.005	Outer_Full	11.91	/	/	<=13	Pass
	2670	Outer_Full	11.63	/	/	<=13	Pass

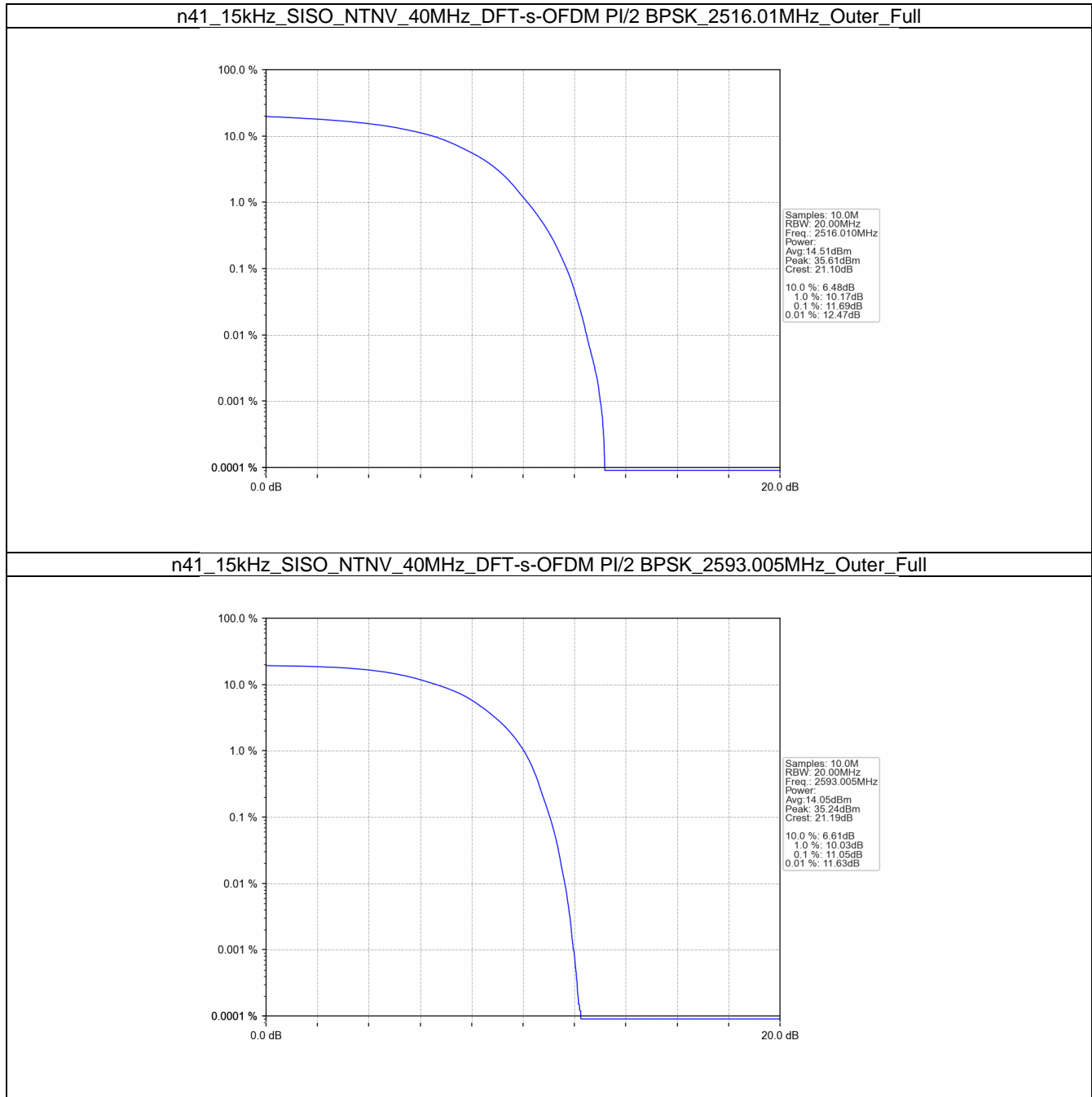


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5.6.2 Test Graph

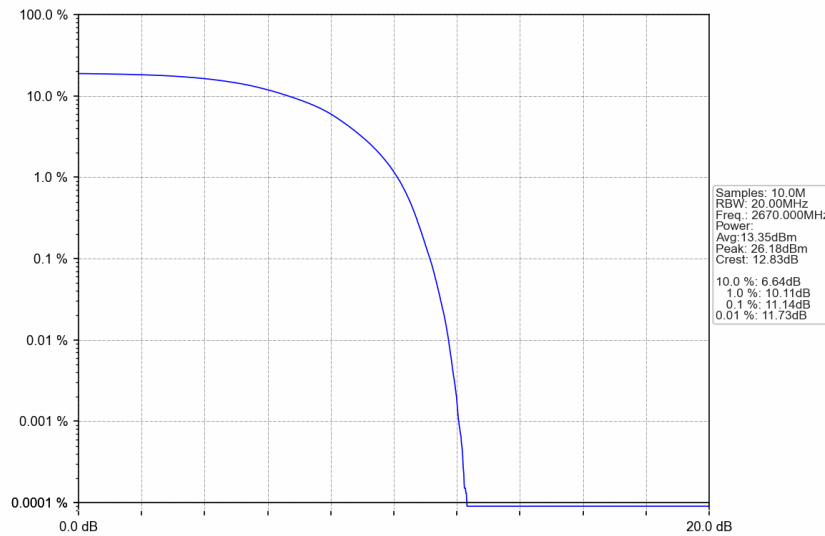


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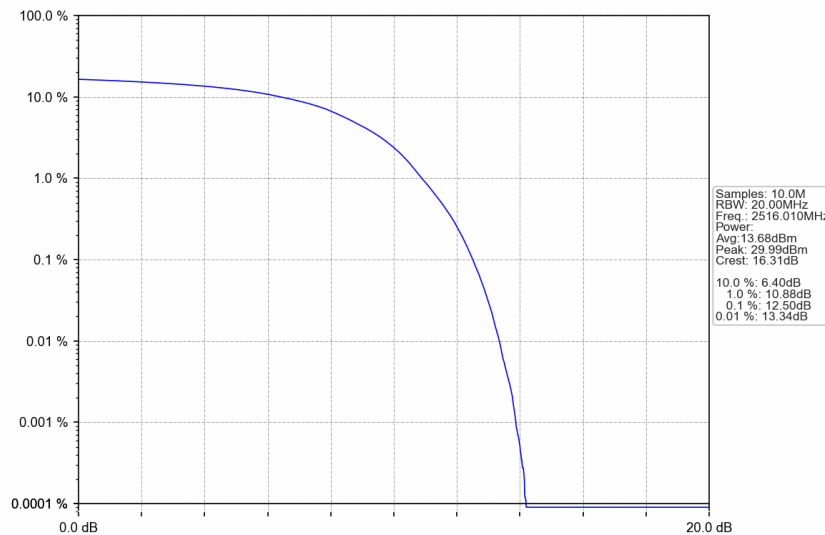
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n41_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_2670MHz_Outer_Full



n41_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_2516.01MHz_Outer_Full

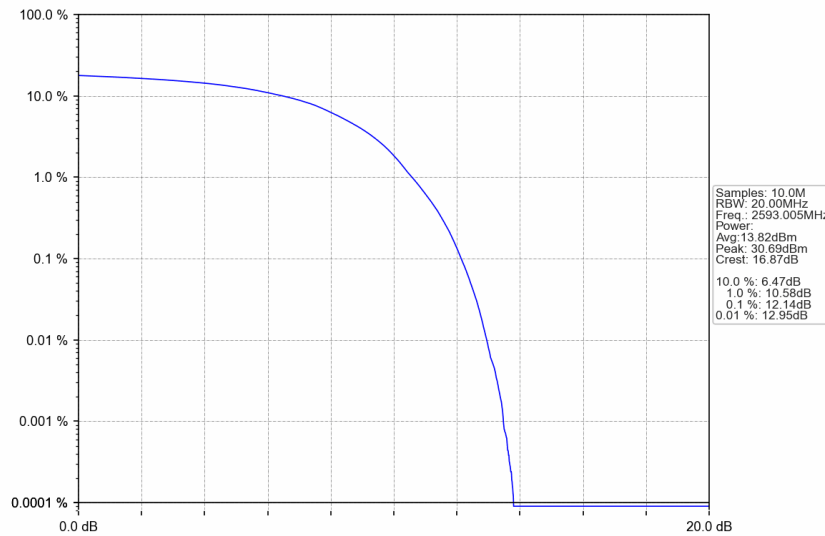


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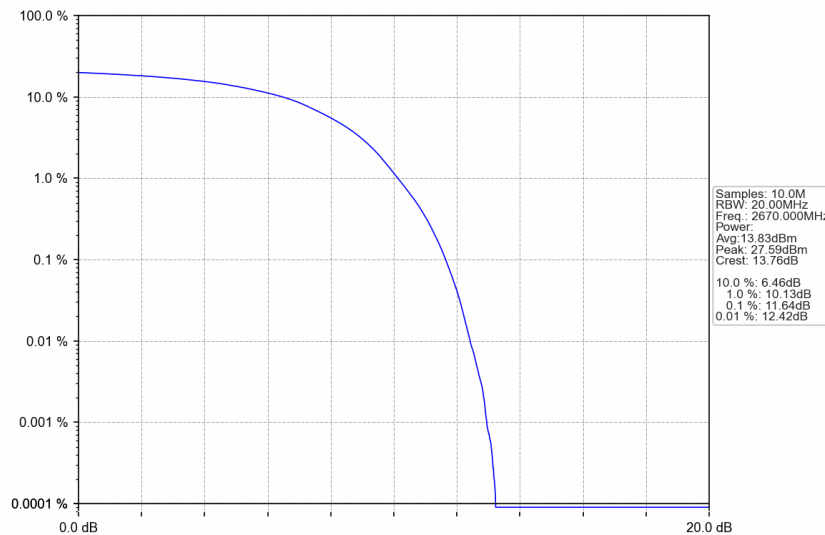
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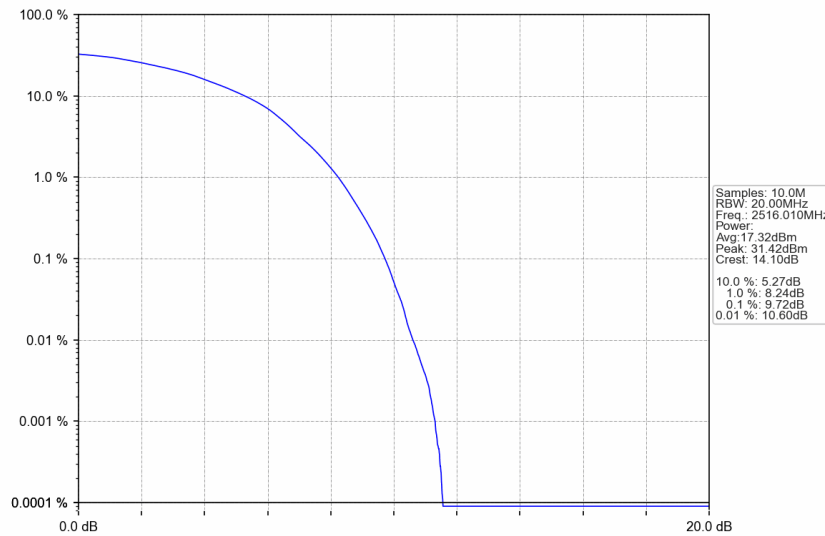


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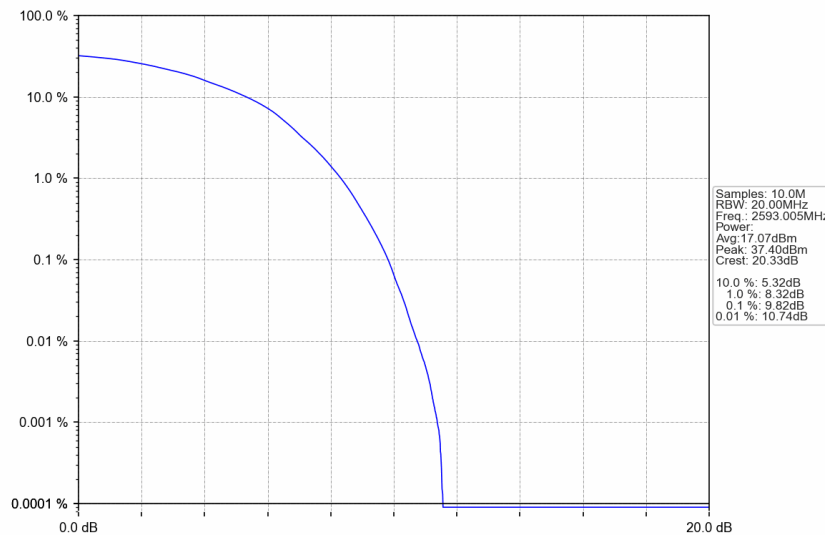
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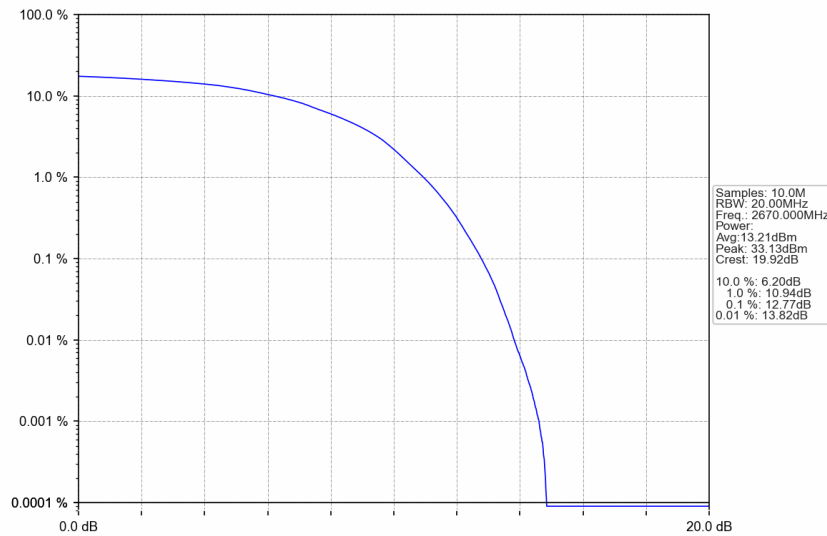
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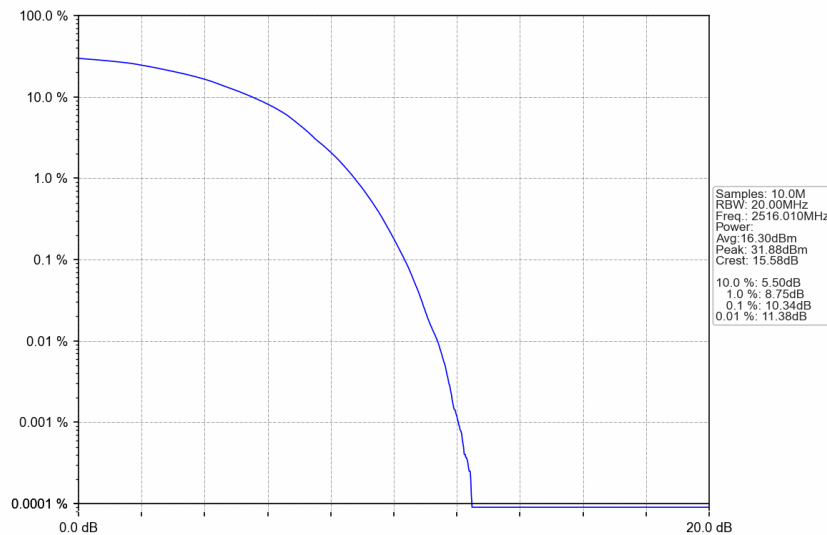
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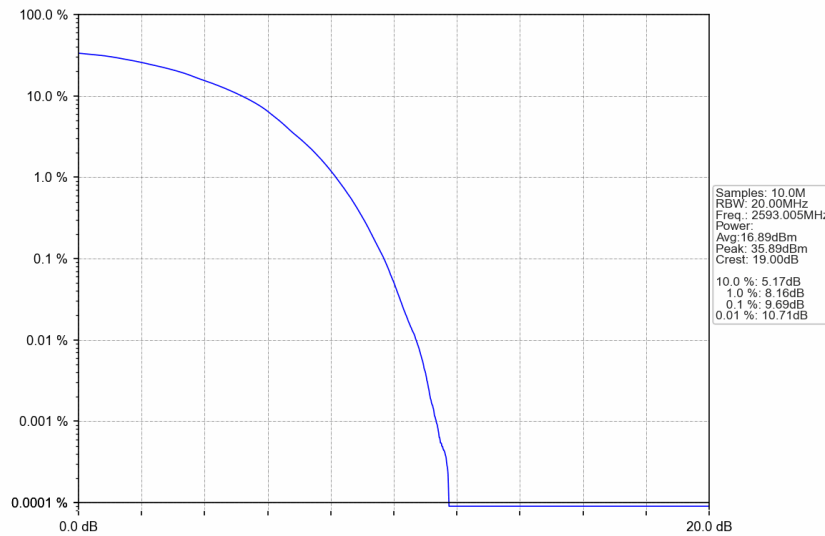


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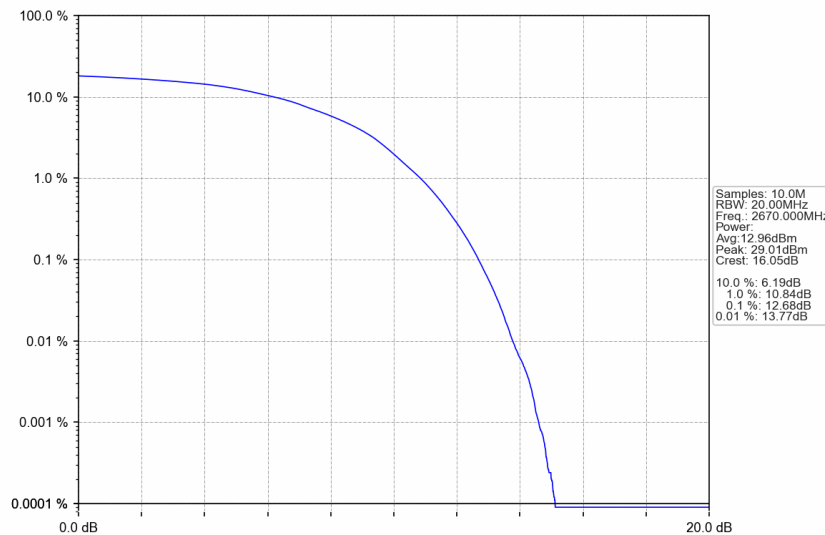
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n41_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_2593.005MHz_Outer_Full



n41_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_2670MHz_Outer_Full



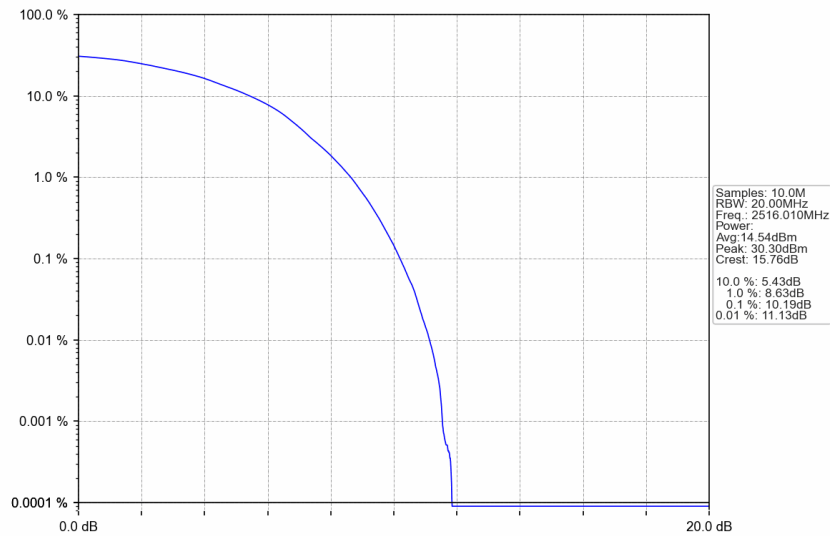
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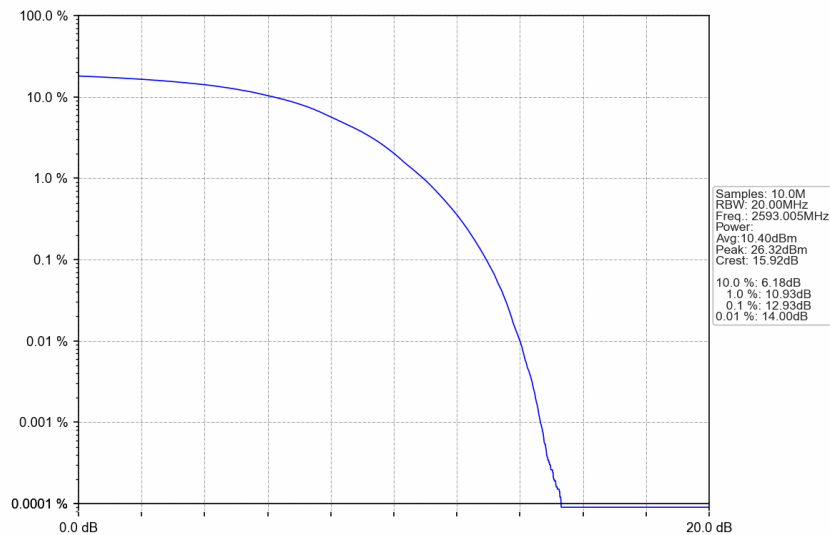
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n41_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_2593.005MHz_Outer_Full



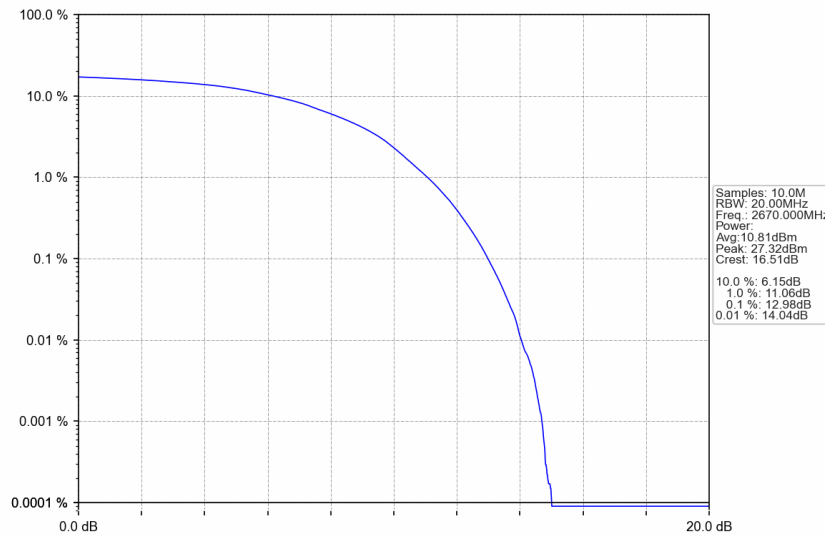
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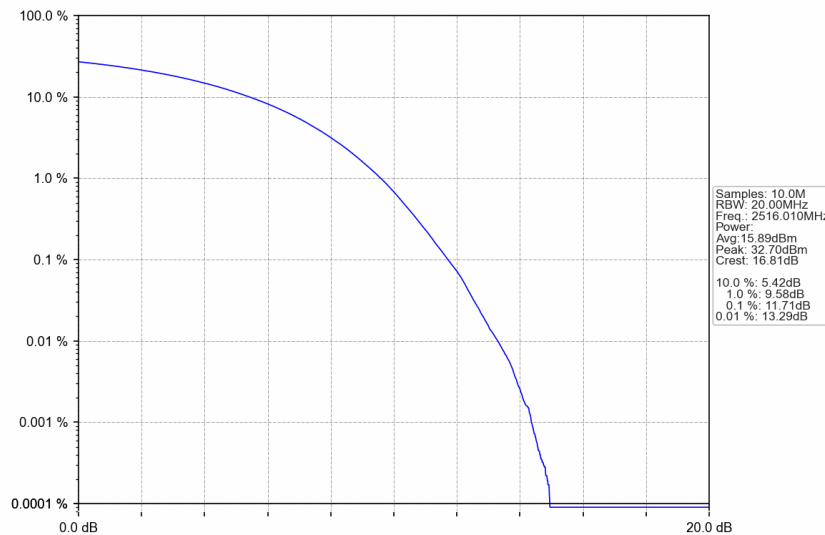
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n41_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_2670MHz_Outer_Full



n41_15kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_2516.01MHz_Outer_Full

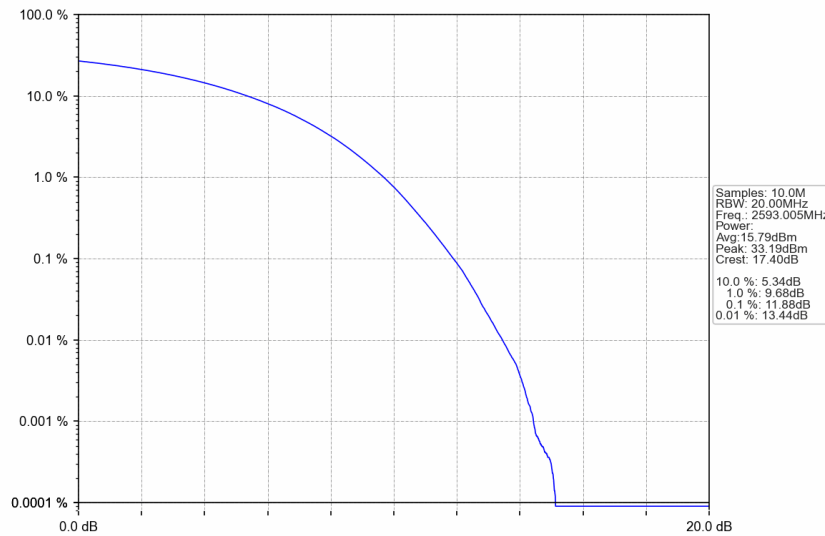


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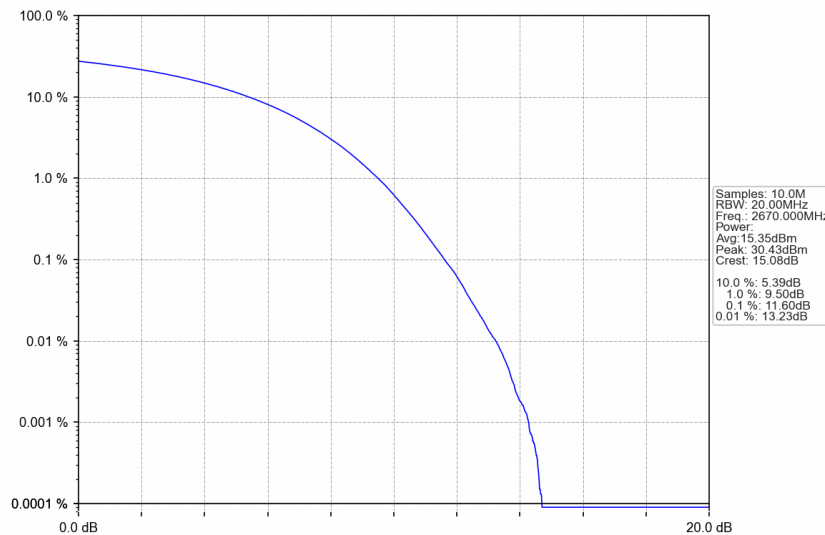
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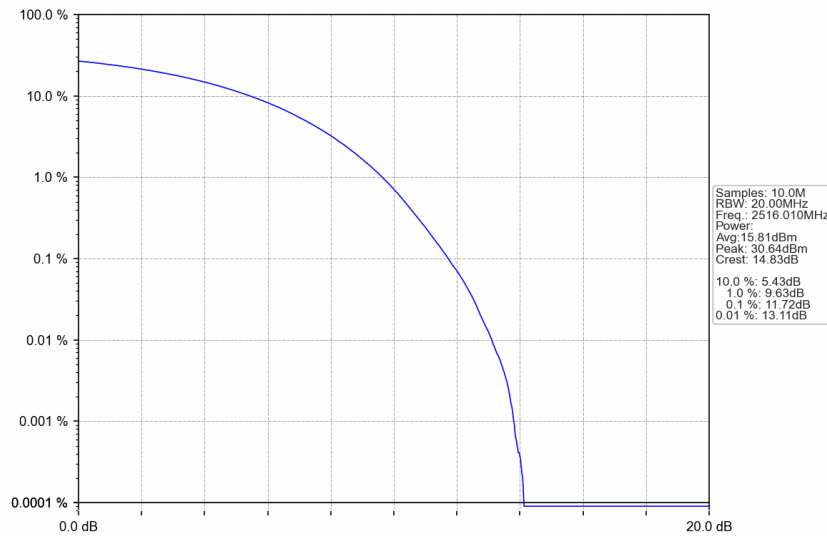


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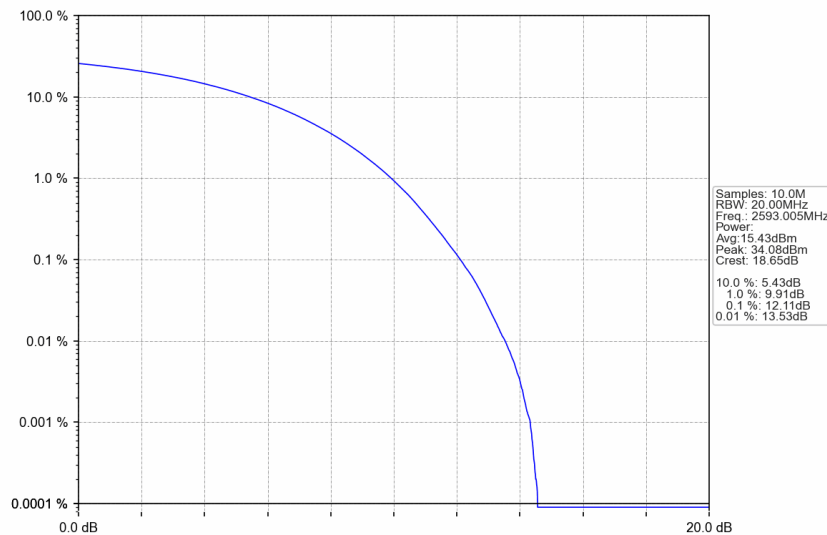
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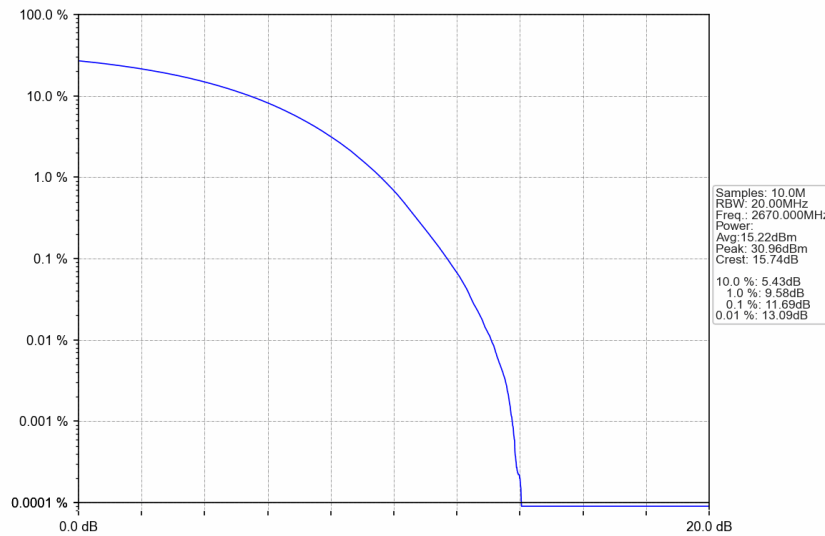
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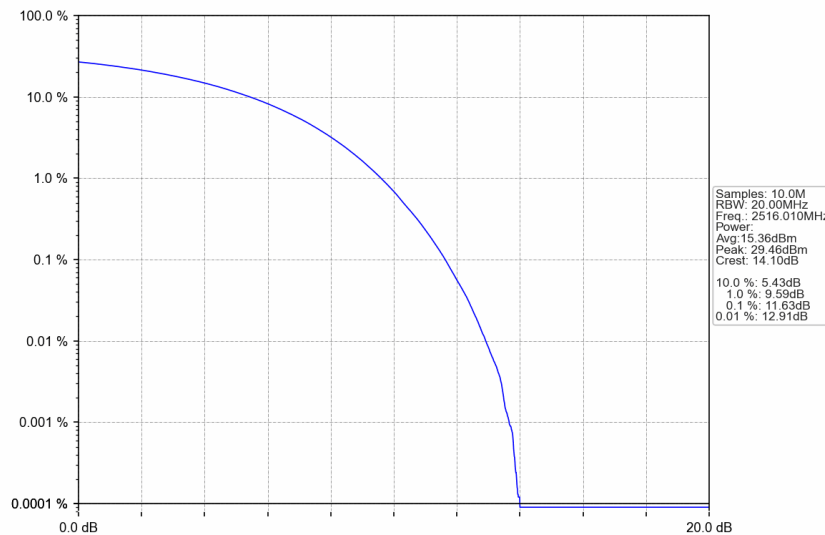
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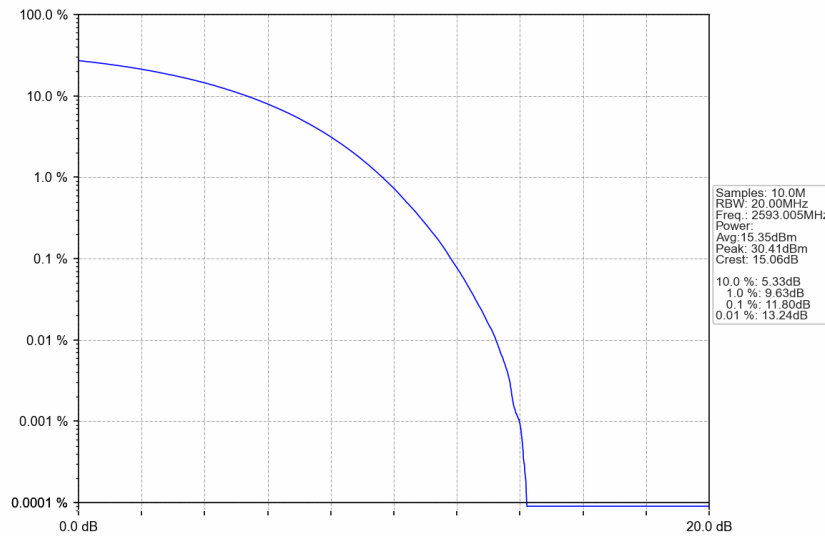
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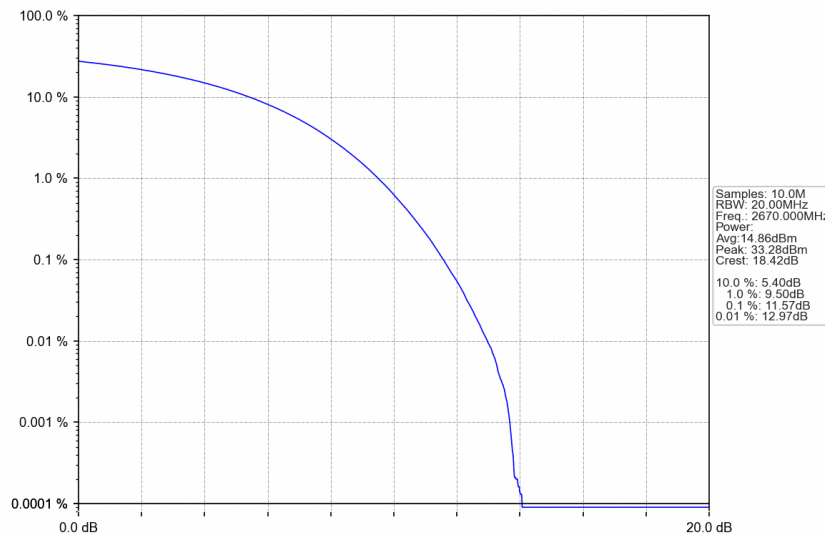
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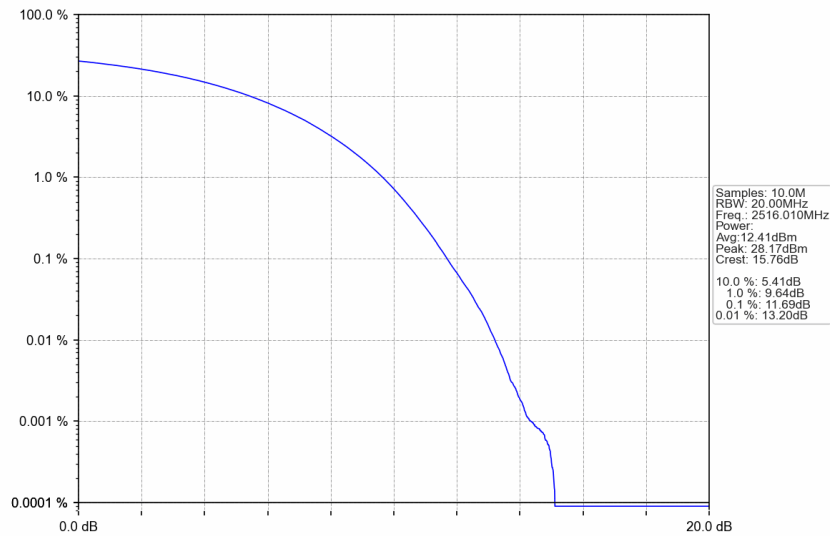


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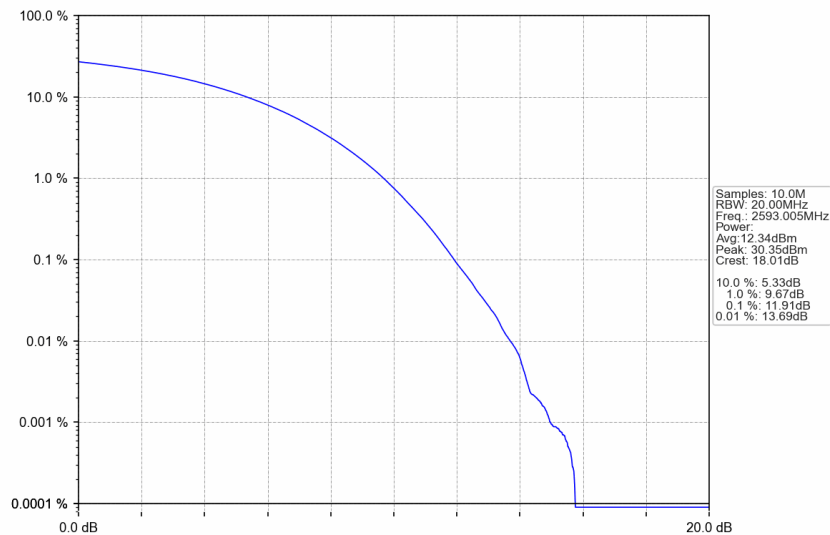
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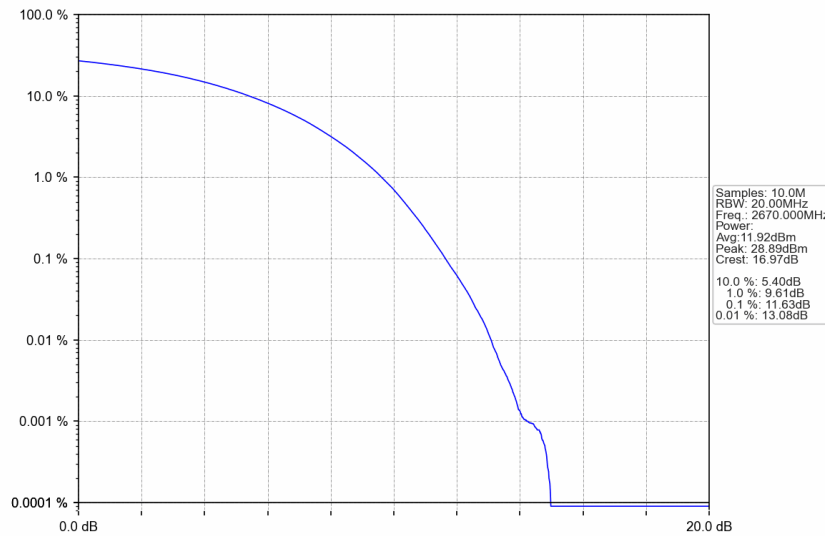


Report No.: SEWM2311000456RG02

Rev.: 01

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5.7 15k_SISO_50MHz_NTNV

5.7.1 Test Result

5G NR n41 SCS=15kHz SISO 50MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2521.005	Outer_Full	12.57	/	/	<=13	Pass
	2593.005	Outer_Full	11.60	/	/	<=13	Pass
	2664.99	Outer_Full	11.61	/	/	<=13	Pass
DFT-s-OFDM QPSK	2521.005	Outer_Full	12.64	/	/	<=13	Pass
	2593.005	Outer_Full	9.59	/	/	<=13	Pass
	2664.99	Outer_Full	12.58	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2521.005	Outer_Full	10.07	/	/	<=13	Pass
	2593.005	Outer_Full	10.94	/	/	<=13	Pass
	2664.99	Outer_Full	8.39	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2521.005	Outer_Full	10.76	/	/	<=13	Pass
	2593.005	Outer_Full	10.82	/	/	<=13	Pass
	2664.99	Outer_Full	10.55	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2521.005	Outer_Full	10.84	/	/	<=13	Pass
	2593.005	Outer_Full	10.79	/	/	<=13	Pass
	2664.99	Outer_Full	10.36	/	/	<=13	Pass
CP-OFDM QPSK	2521.005	Outer_Full	11.85	/	/	<=13	Pass
	2593.005	Outer_Full	11.74	/	/	<=13	Pass
	2664.99	Outer_Full	11.72	/	/	<=13	Pass
CP-OFDM 16 QAM	2521.005	Outer_Full	11.88	/	/	<=13	Pass
	2593.005	Outer_Full	11.74	/	/	<=13	Pass
	2664.99	Outer_Full	11.68	/	/	<=13	Pass
CP-OFDM 64 QAM	2521.005	Outer_Full	11.80	/	/	<=13	Pass
	2593.005	Outer_Full	11.52	/	/	<=13	Pass
	2664.99	Outer_Full	11.51	/	/	<=13	Pass
CP-OFDM 256 QAM	2521.005	Outer_Full	11.63	/	/	<=13	Pass
	2593.005	Outer_Full	11.62	/	/	<=13	Pass
	2664.99	Outer_Full	11.74	/	/	<=13	Pass

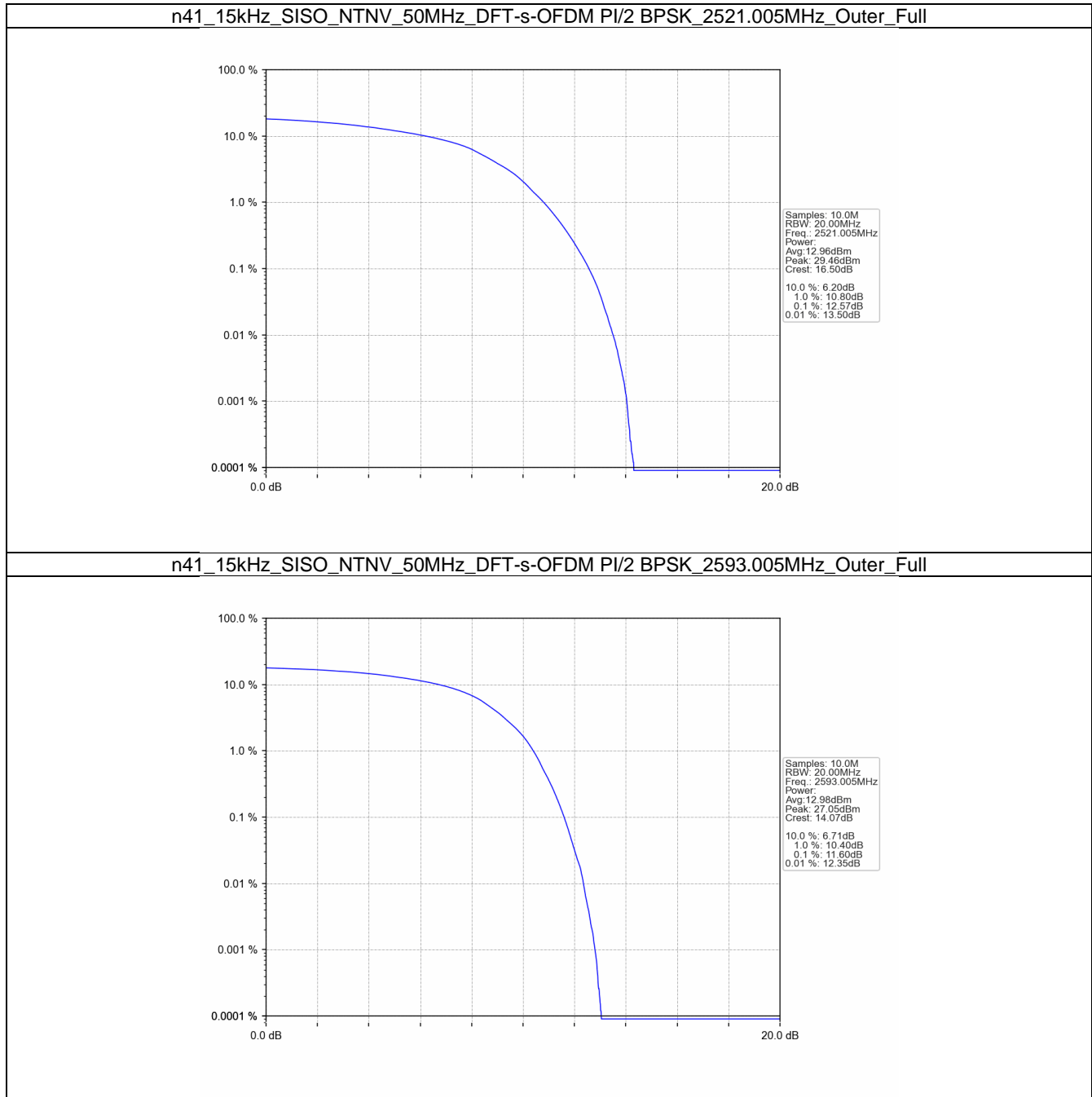


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5.7.2 Test Graph



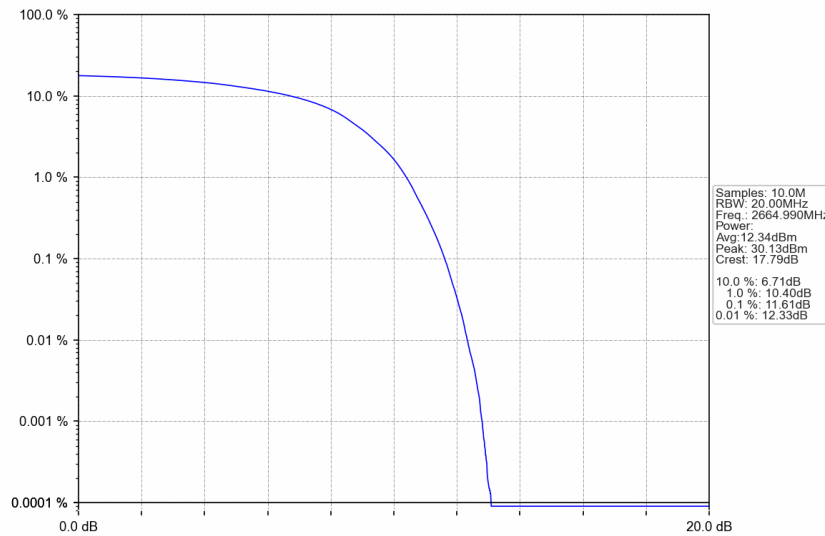
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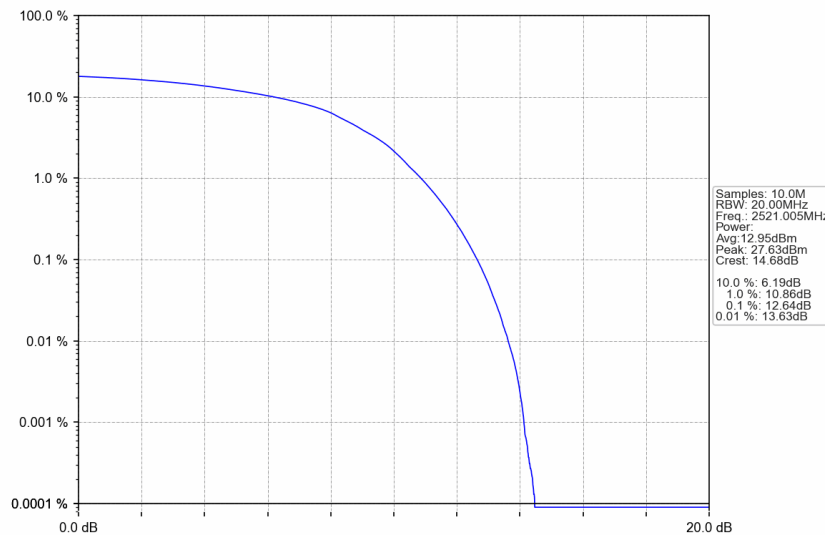
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n41_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_2664.99MHz_Outer_Full



n41_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_2521.005MHz_Outer_Full



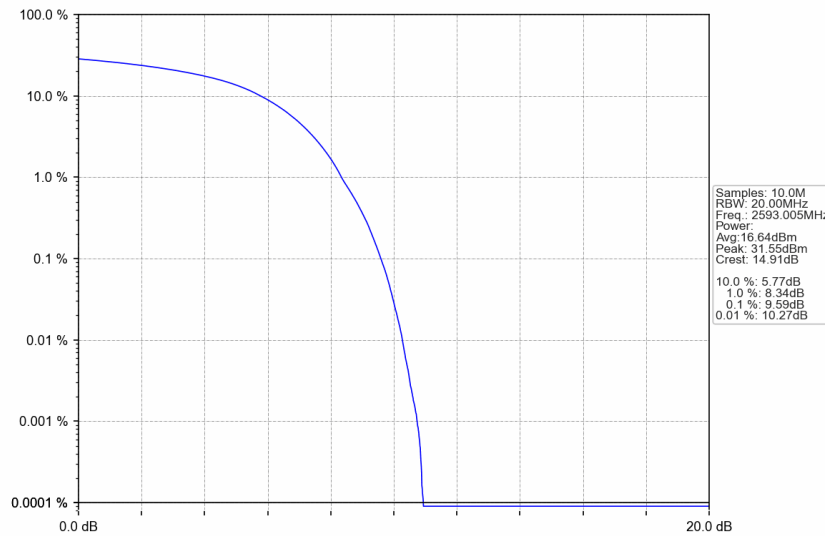
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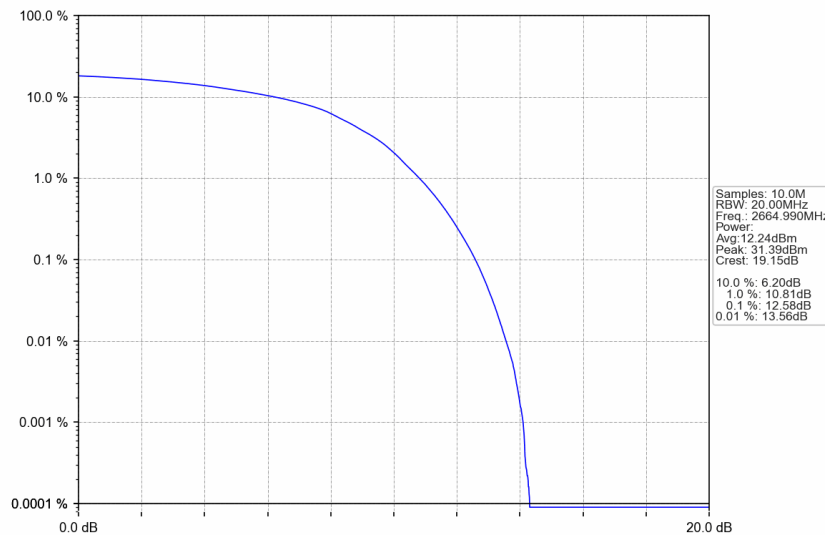
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n41_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_2593.005MHz_Outer_Full



n41_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_2664.99MHz_Outer_Full



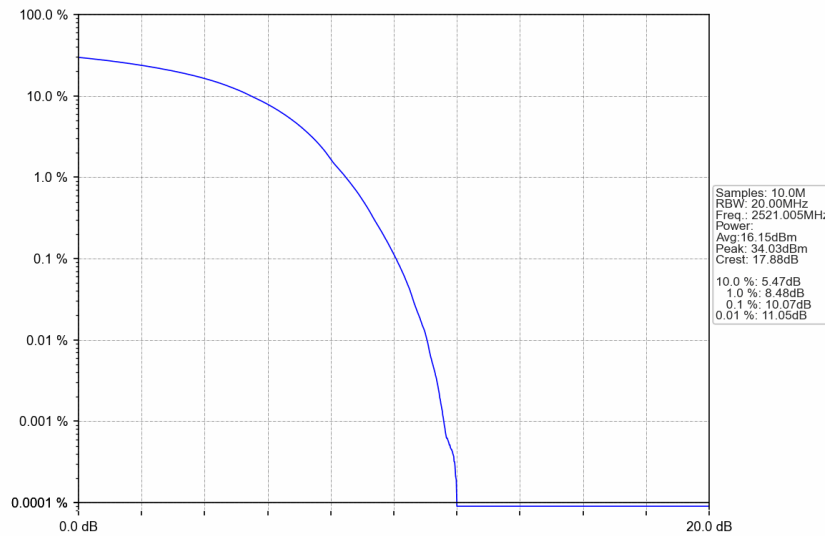
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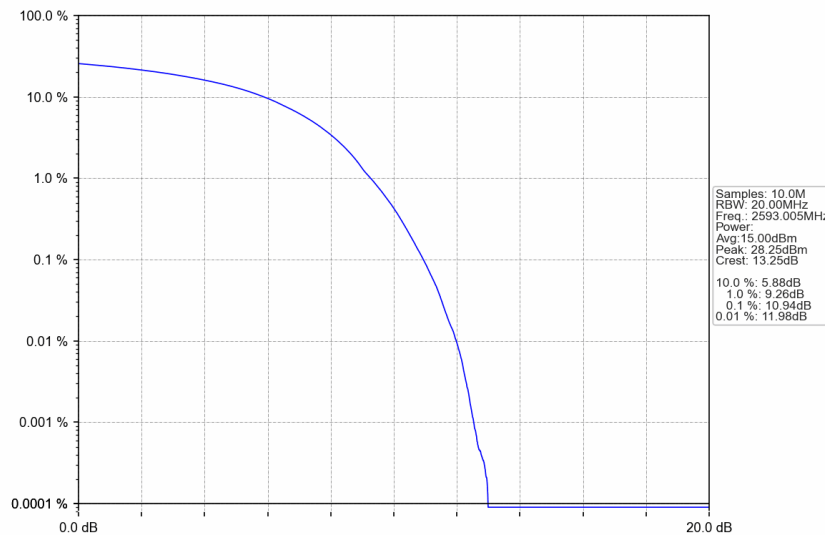
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n41_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM 16 QAM_2521.005MHz_Outer_Full



n41_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM 16 QAM_2593.005MHz_Outer_Full



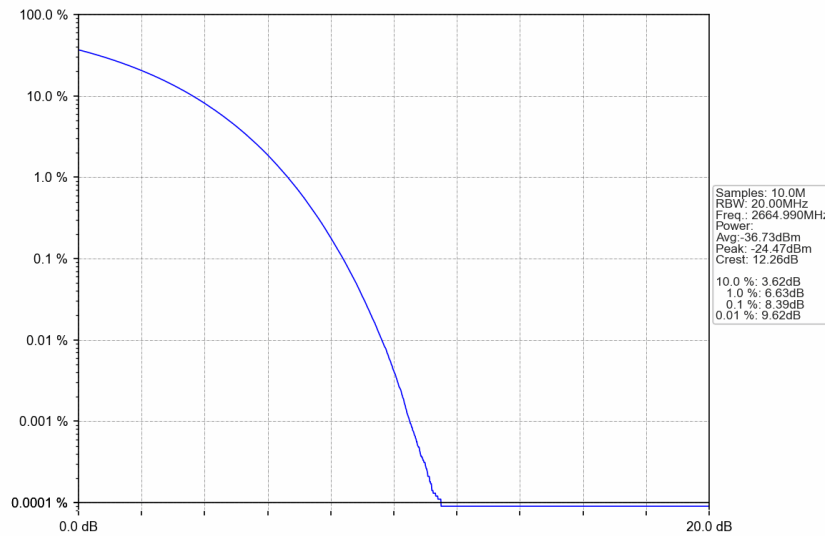
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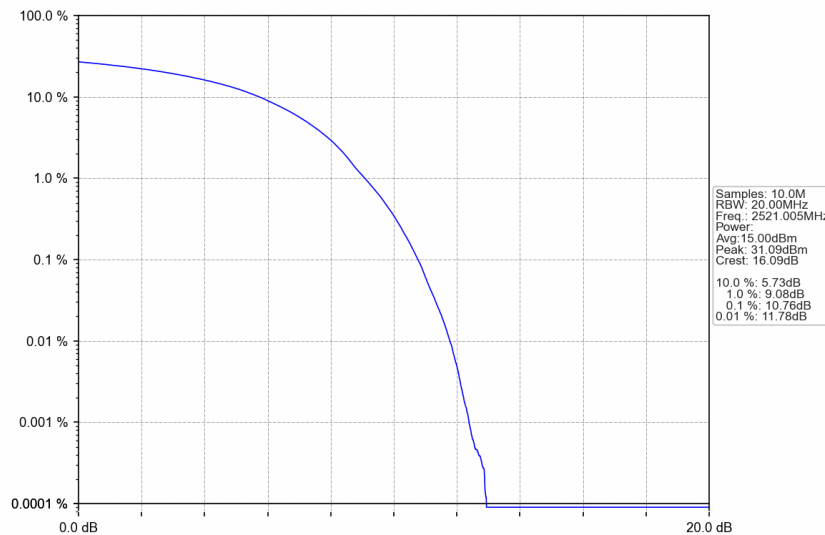
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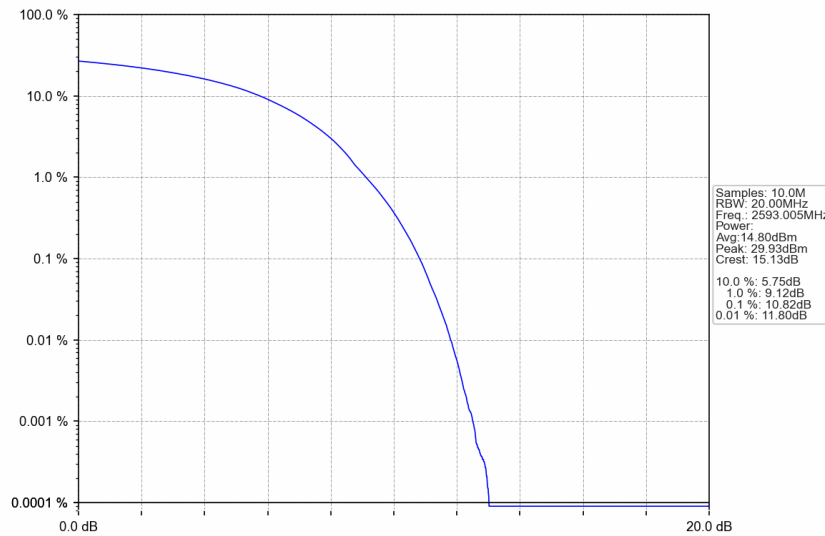
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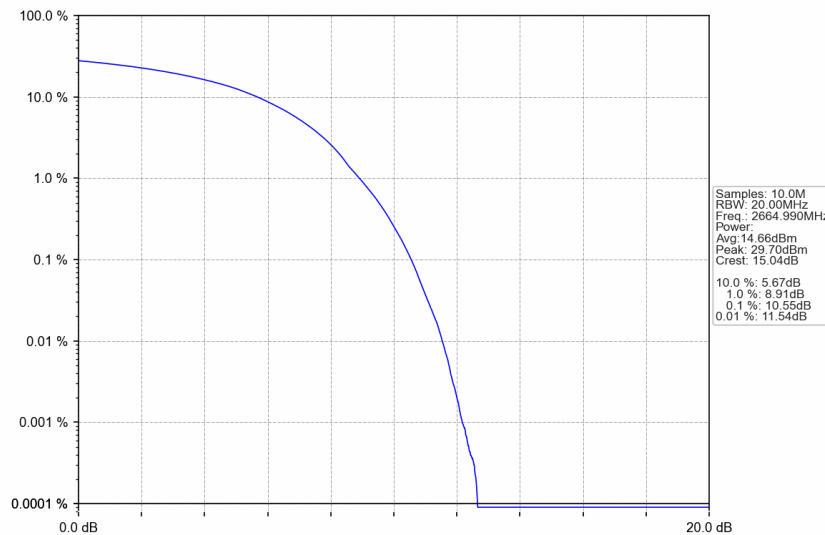
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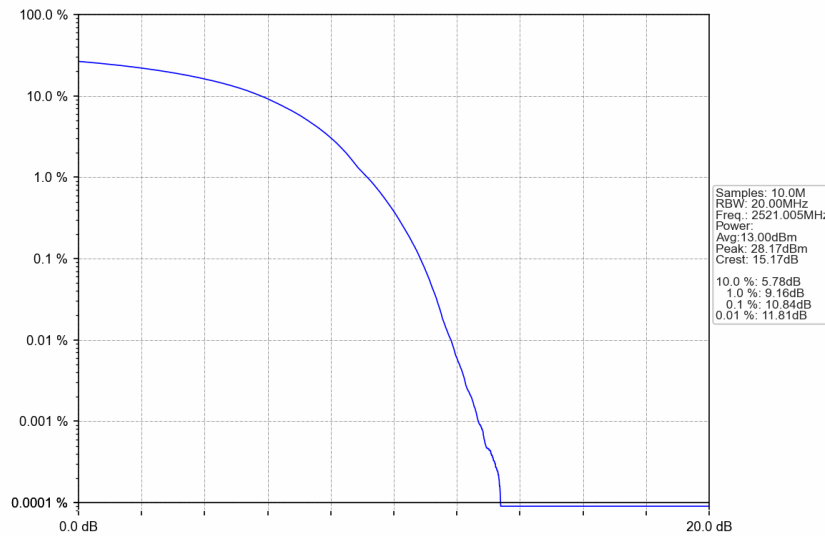


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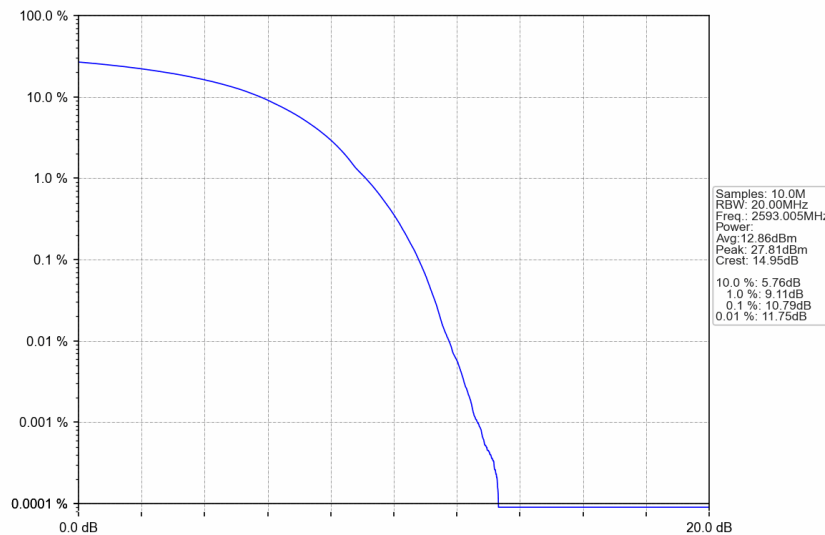
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n41_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM 256 QAM_2521.005MHz_Outer_Full



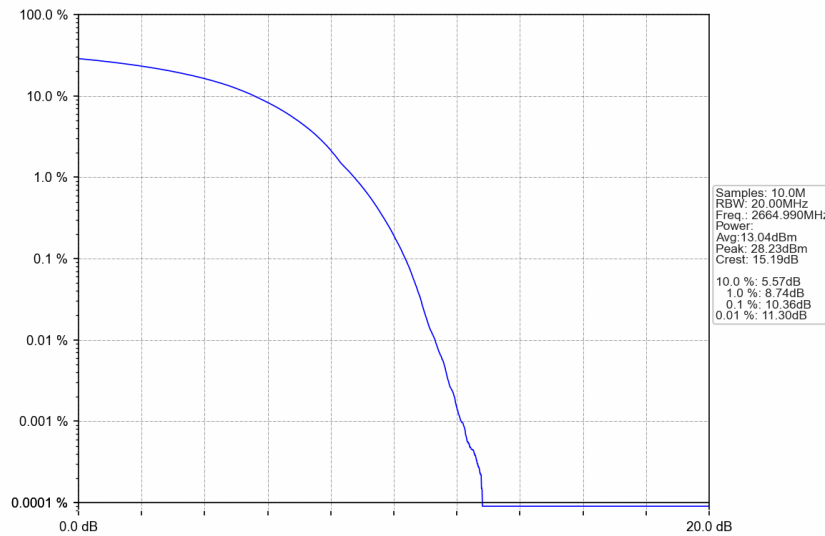
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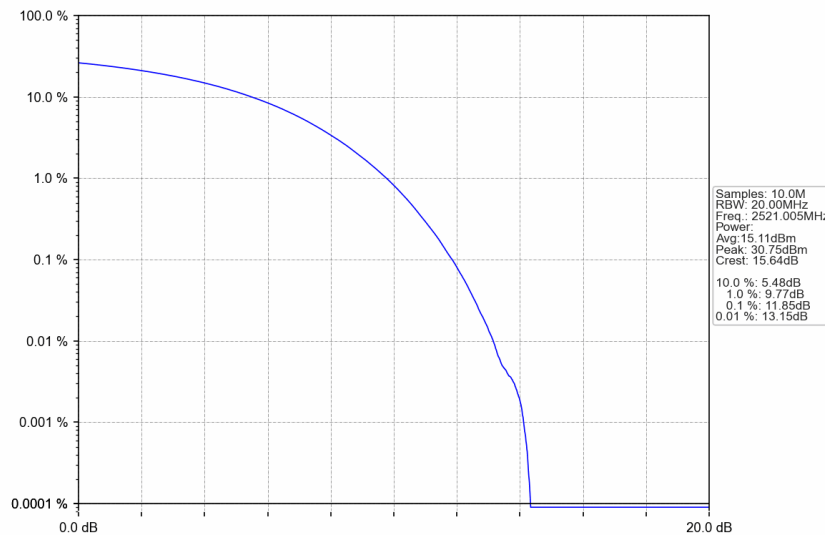
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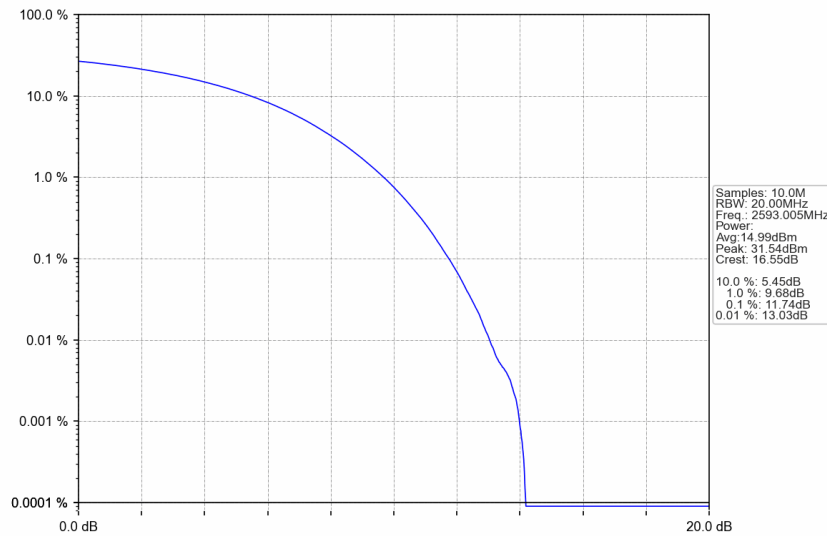
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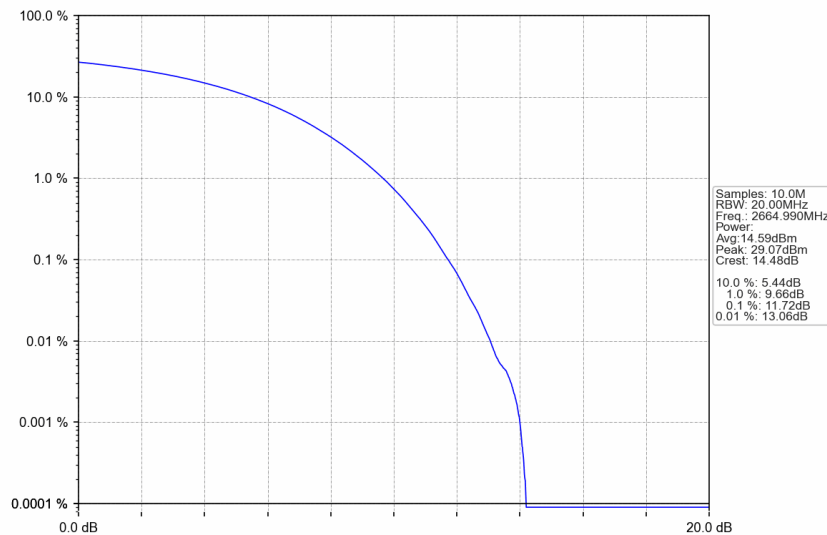
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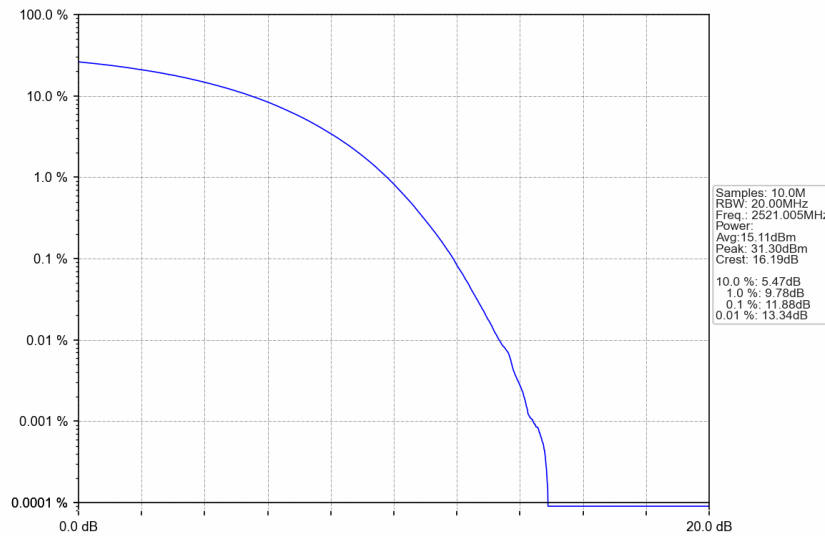
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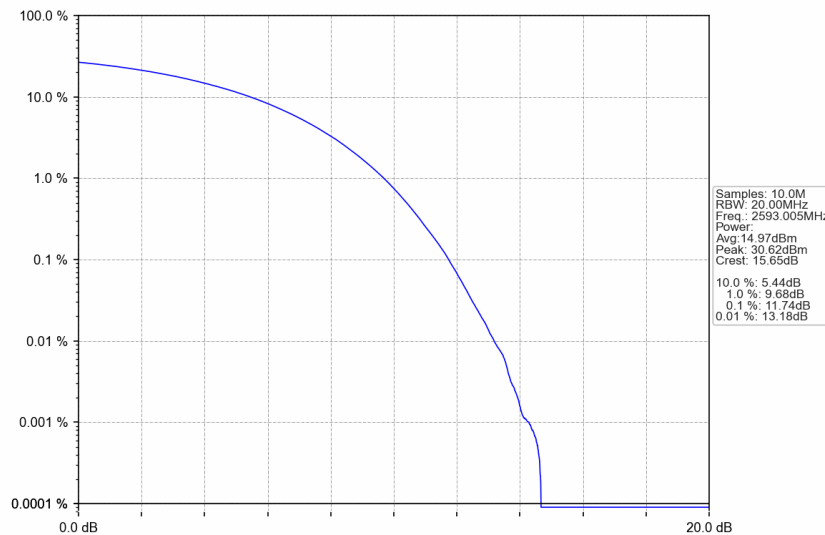
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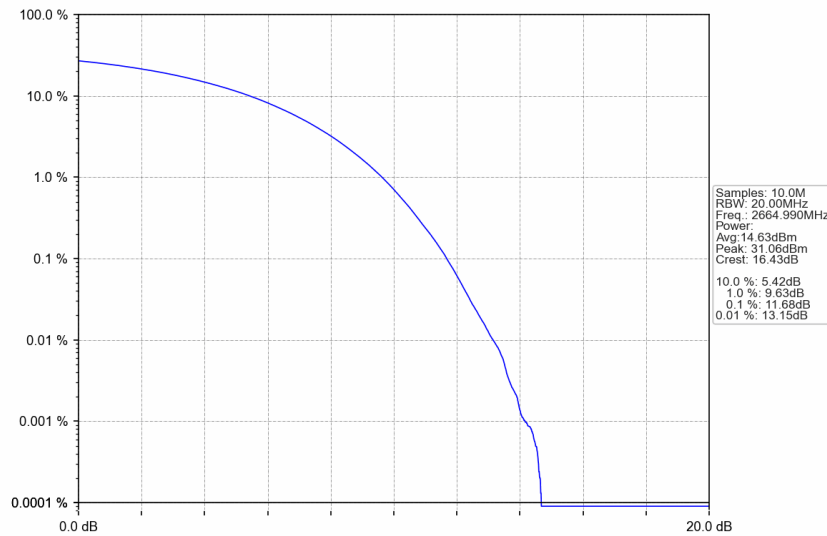


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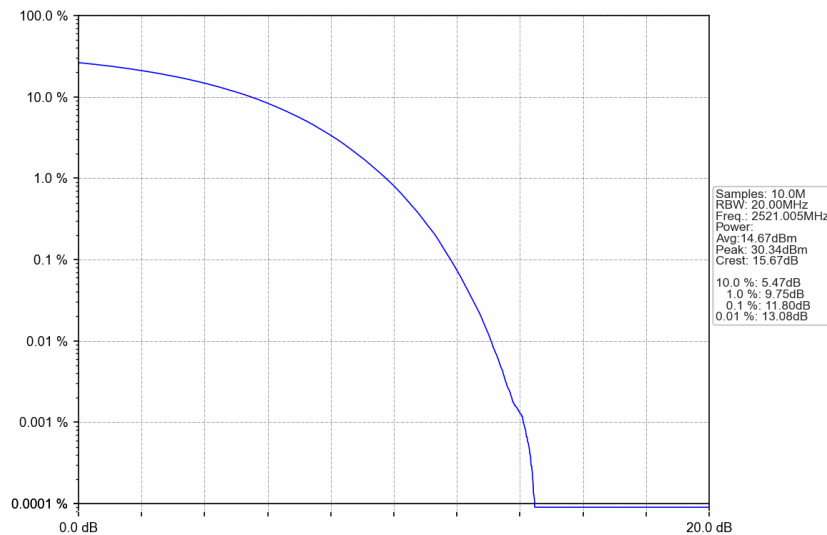
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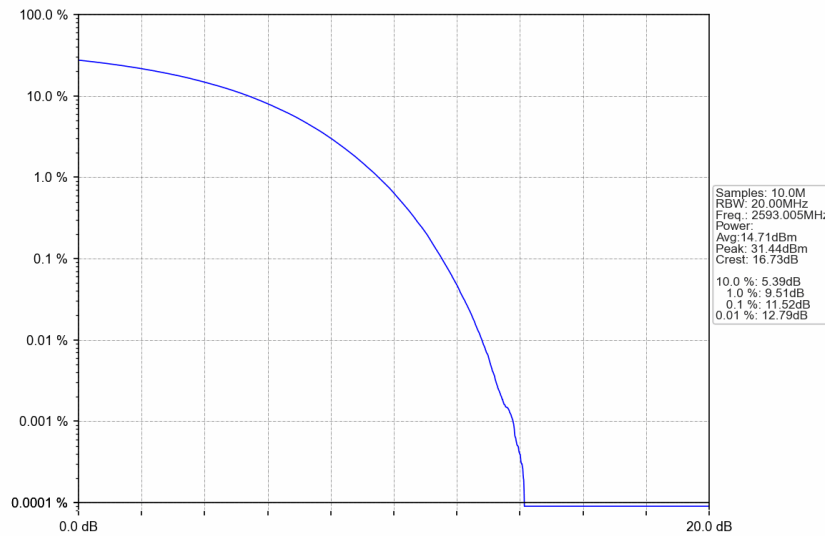


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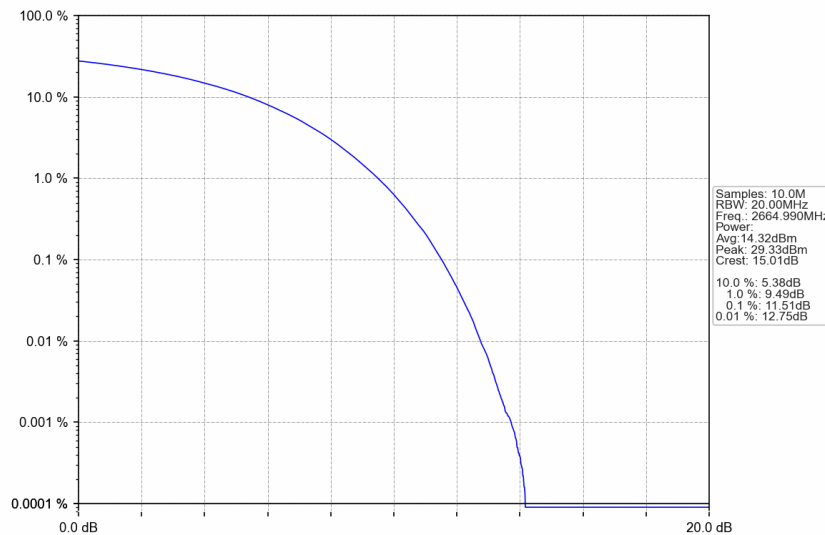
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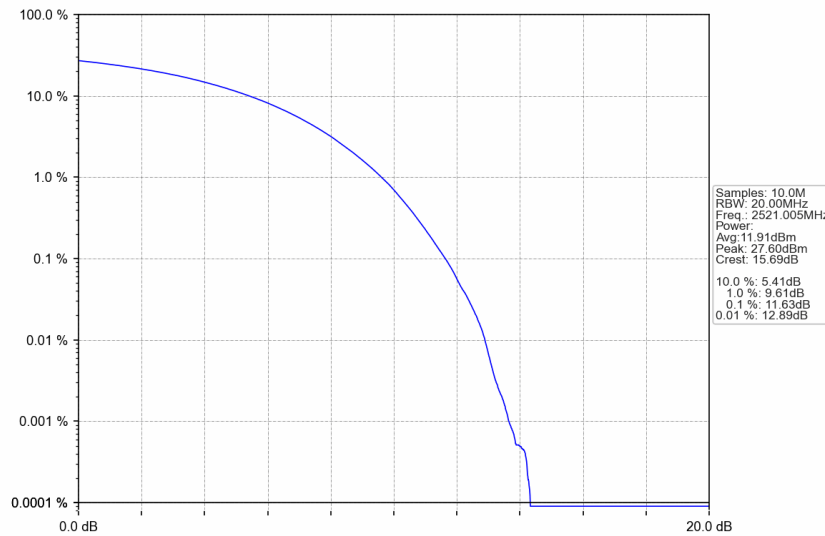
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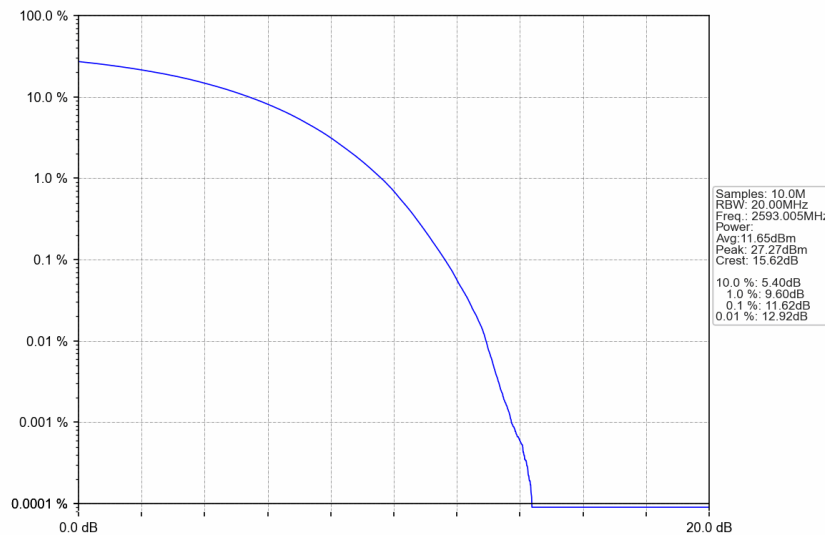
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n41_15kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_2521.005MHz_Outer_Full



n41_15kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_2593.005MHz_Outer_Full

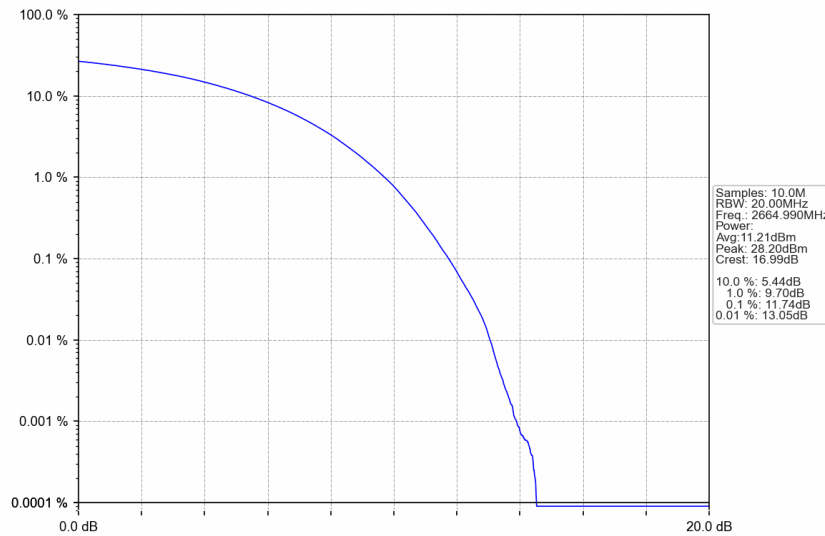


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n41_15kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_2664.99MHz_Outer_Full



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5.8 30k_SISO_10MHz_NTNV

5.8.1 Test Result

5G NR n41 SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2501.01	Outer_Full	10.85	/	/	<=13	Pass
	2592.99	Outer_Full	10.68	/	/	<=13	Pass
	2685	Outer_Full	11.02	/	/	<=13	Pass
DFT-s-OFDM QPSK	2501.01	Outer_Full	12.11	/	/	<=13	Pass
	2592.99	Outer_Full	12.02	/	/	<=13	Pass
	2685	Outer_Full	12.07	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2501.01	Outer_Full	12.74	/	/	<=13	Pass
	2592.99	Outer_Full	12.37	/	/	<=13	Pass
	2685	Outer_Full	12.36	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2501.01	Outer_Full	12.50	/	/	<=13	Pass
	2592.99	Outer_Full	12.34	/	/	<=13	Pass
	2685	Outer_Full	12.23	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2501.01	Outer_Full	12.94	/	/	<=13	Pass
	2592.99	Outer_Full	12.61	/	/	<=13	Pass
	2685	Outer_Full	9.87	/	/	<=13	Pass
CP-OFDM QPSK	2501.01	Outer_Full	12.14	/	/	<=13	Pass
	2592.99	Outer_Full	12.28	/	/	<=13	Pass
	2685	Outer_Full	11.63	/	/	<=13	Pass
CP-OFDM 16 QAM	2501.01	Outer_Full	12.01	/	/	<=13	Pass
	2592.99	Outer_Full	12.08	/	/	<=13	Pass
	2685	Outer_Full	11.78	/	/	<=13	Pass
CP-OFDM 64 QAM	2501.01	Outer_Full	11.91	/	/	<=13	Pass
	2592.99	Outer_Full	11.87	/	/	<=13	Pass
	2685	Outer_Full	11.77	/	/	<=13	Pass
CP-OFDM 256 QAM	2501.01	Outer_Full	11.41	/	/	<=13	Pass
	2592.99	Outer_Full	11.79	/	/	<=13	Pass
	2685	Outer_Full	12.15	/	/	<=13	Pass

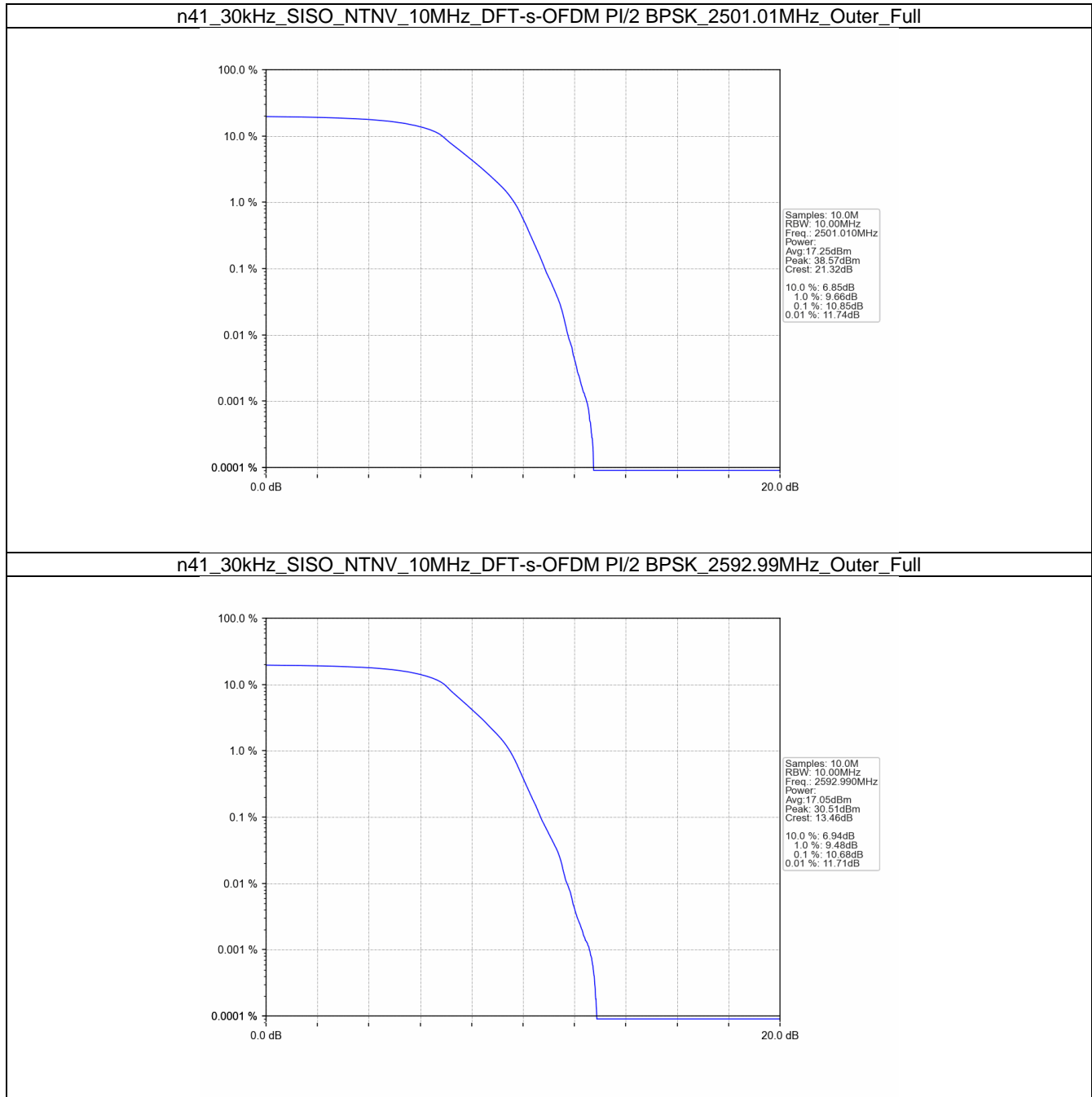


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5.8.2 Test Graph



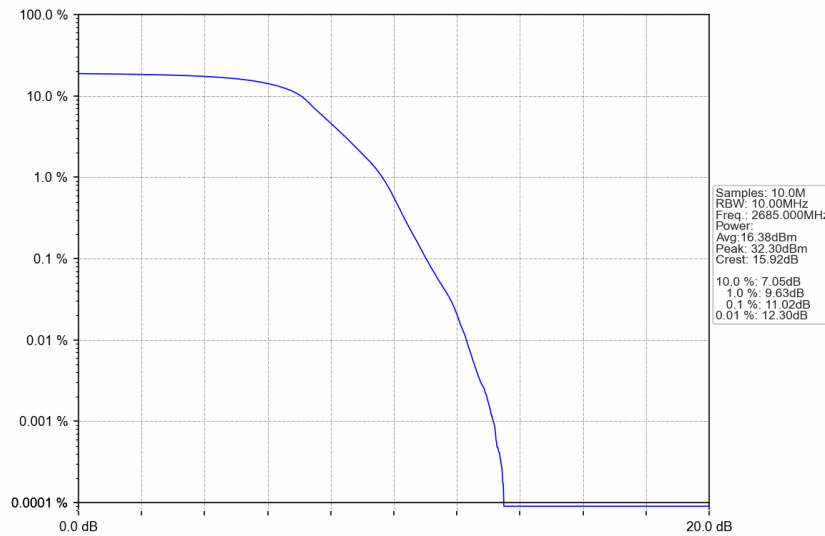
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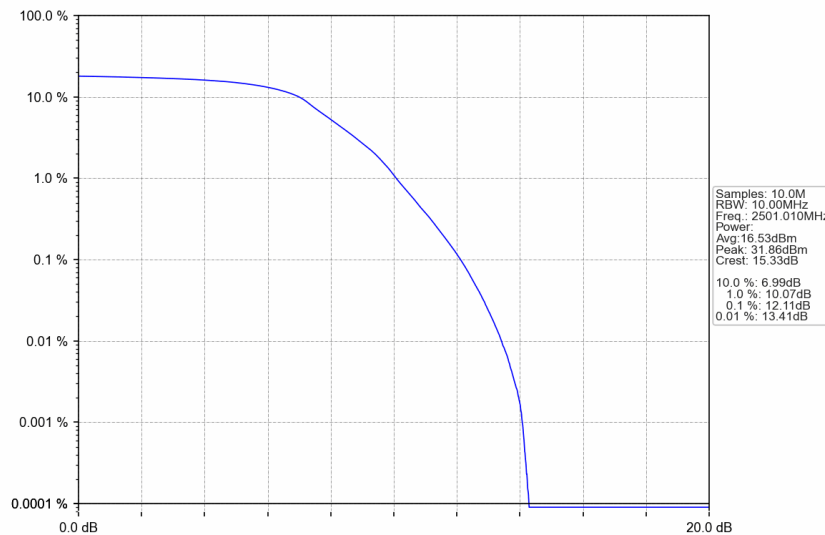
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n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_2685MHz_Outer_Full



n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2501.01MHz_Outer_Full



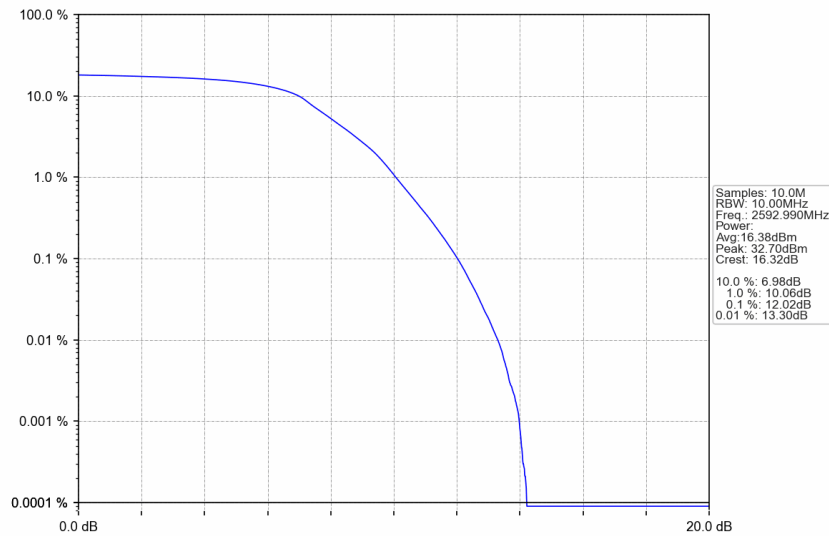
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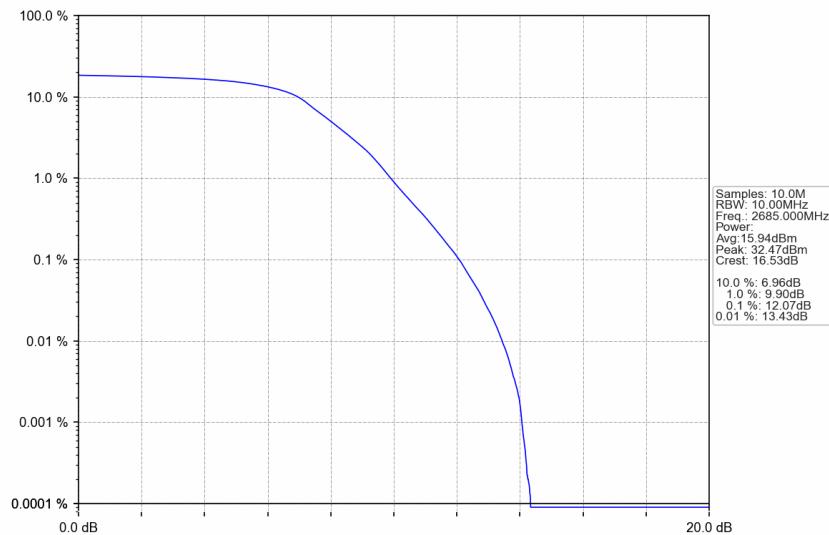
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n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2592.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_2685MHz_Outer_Full



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