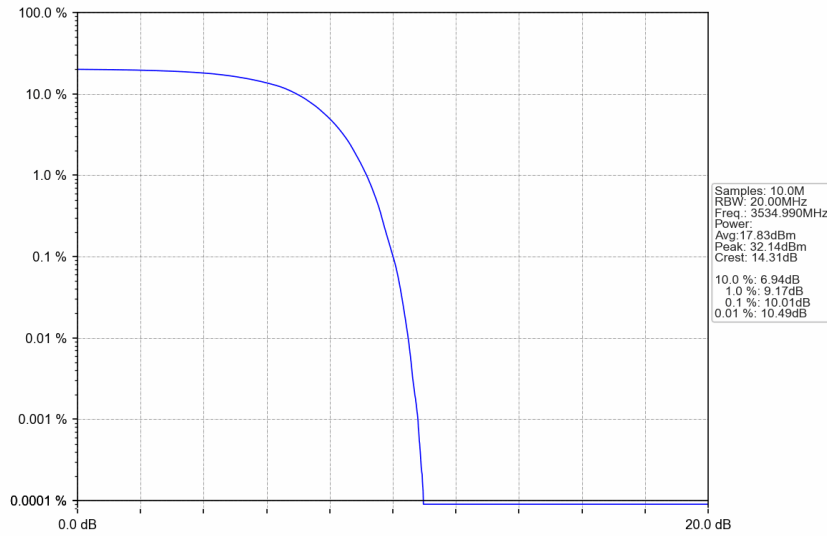
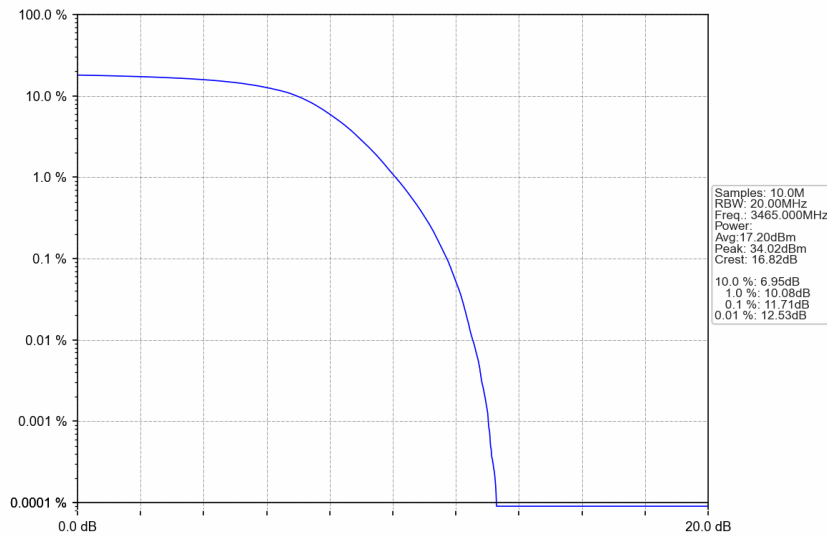


n77d\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM PI/2 BPSK\_3534.99MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM QPSK\_3465MHz\_Outer\_Full

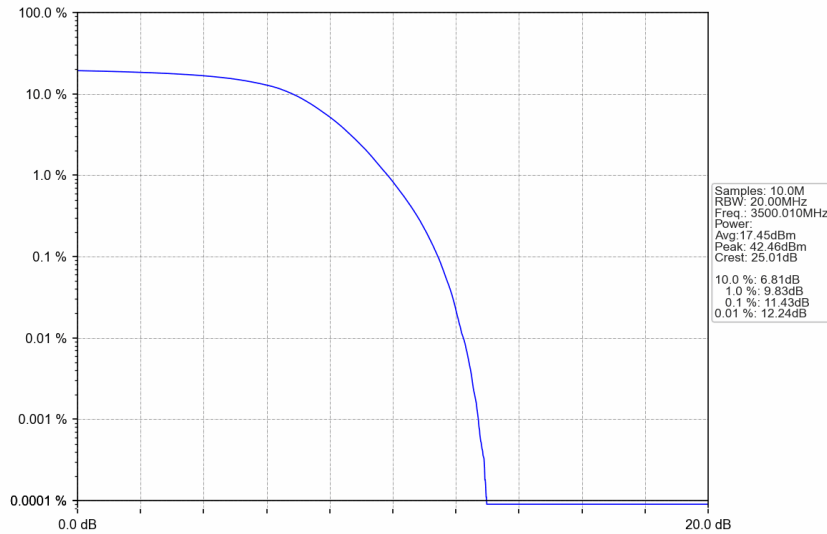


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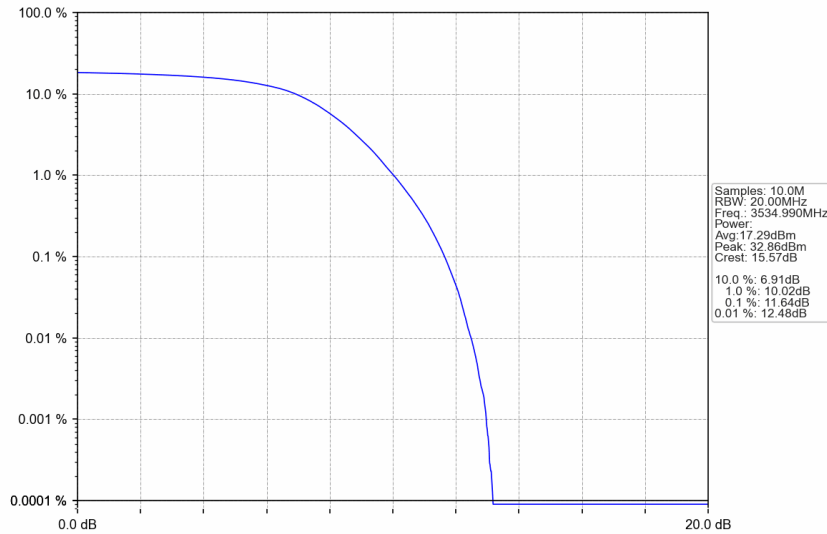
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n77d\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM QPSK\_3500.01MHz\_Outer\_Full



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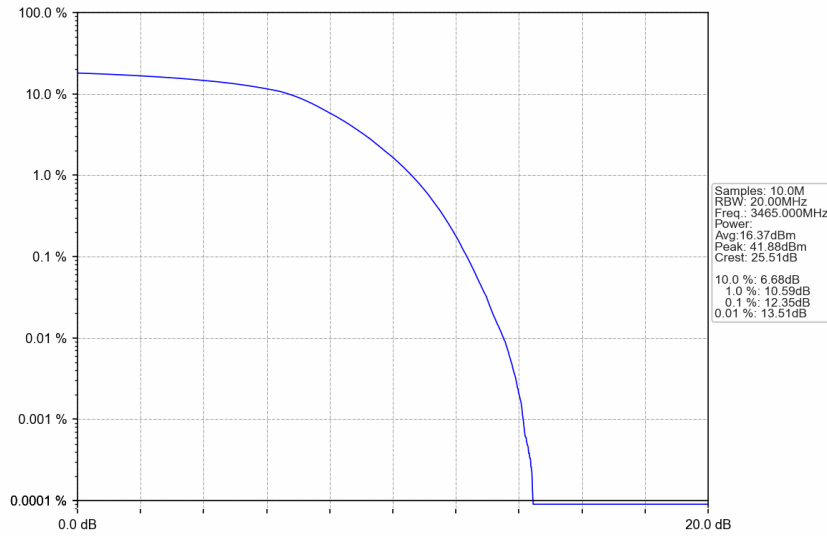


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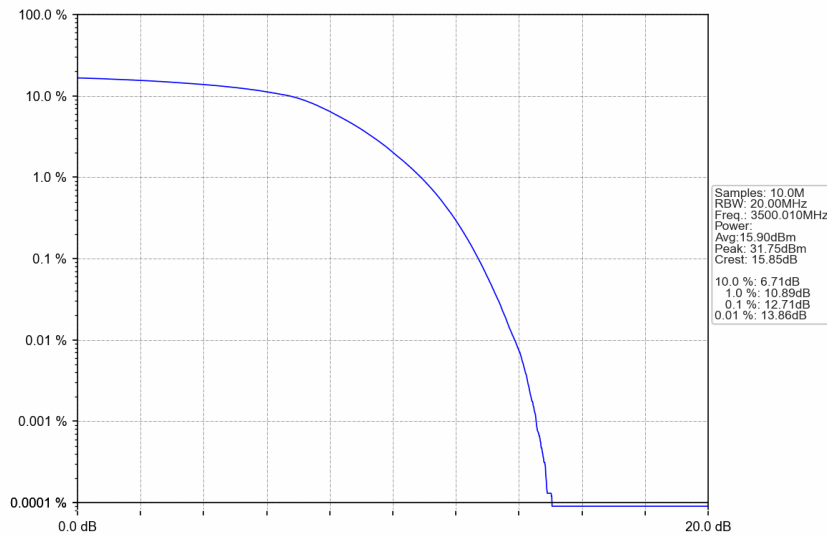
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n77d\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 16 QAM\_3465MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 16 QAM\_3500.01MHz\_Outer\_Full



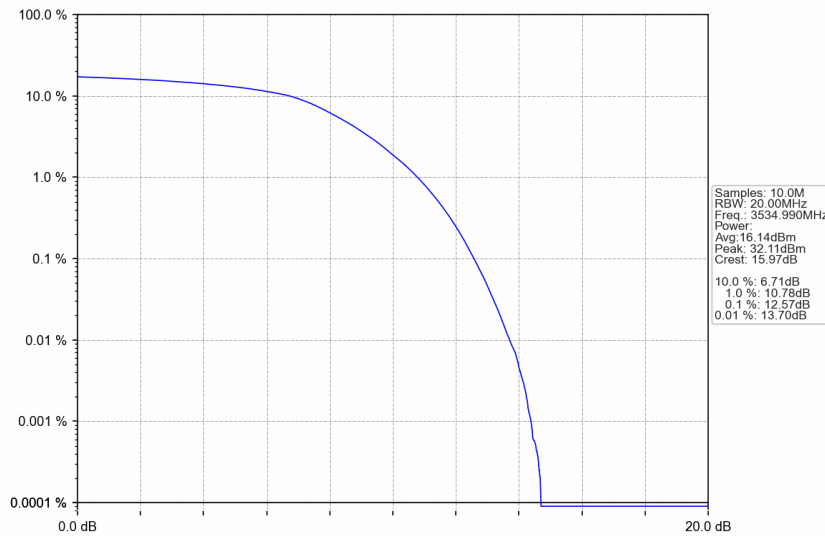
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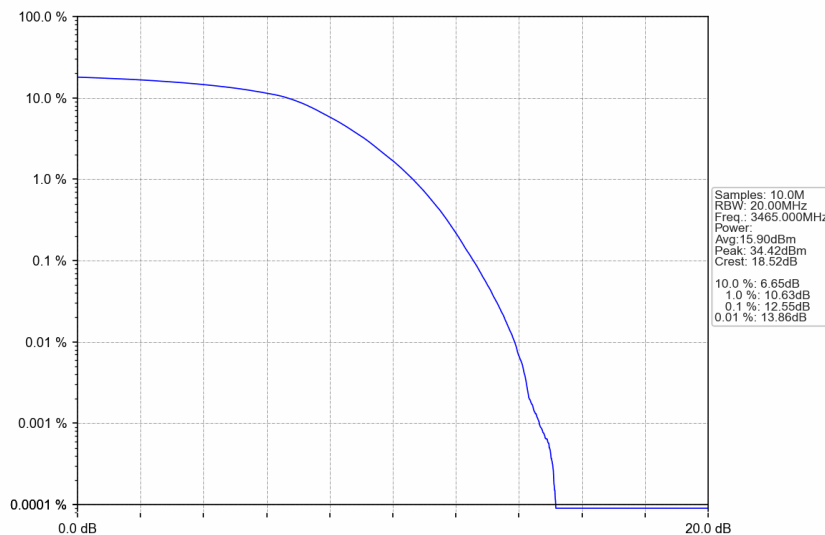
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n77d\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 16 QAM\_3534.99MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 64 QAM\_3465MHz\_Outer\_Full

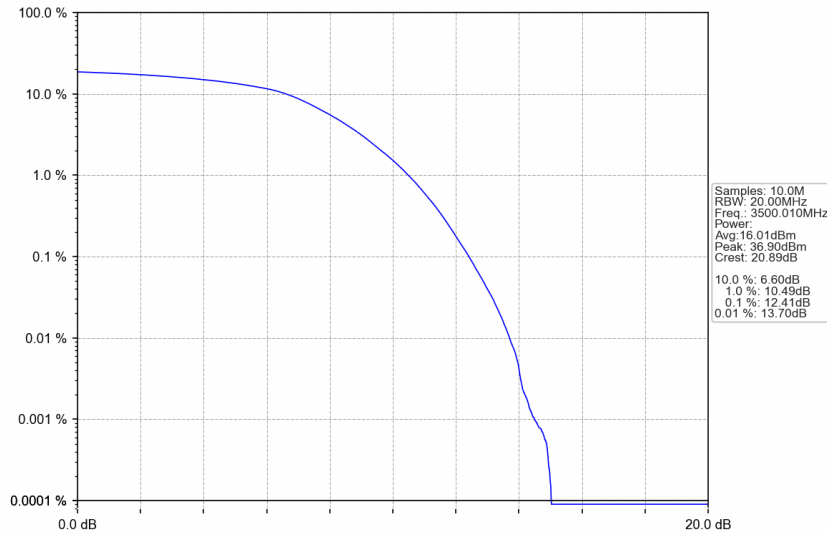


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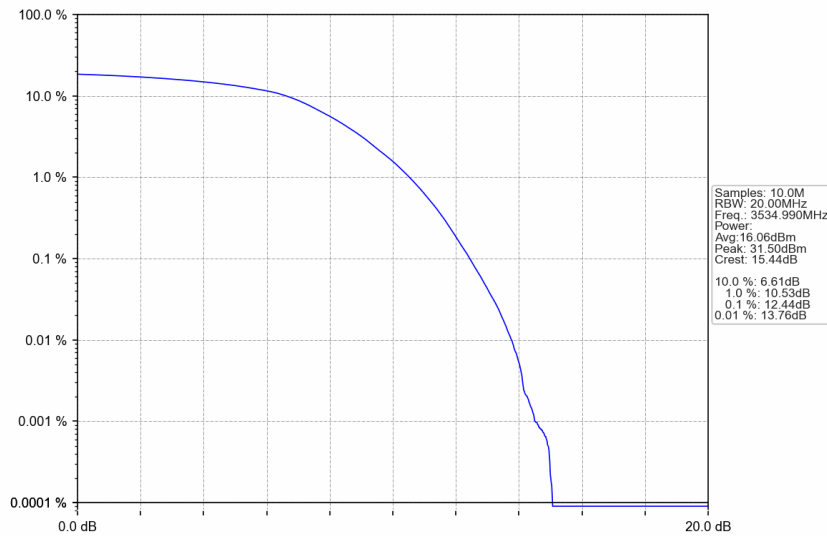
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n77d\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 64 QAM\_3500.01MHz\_Outer\_Full



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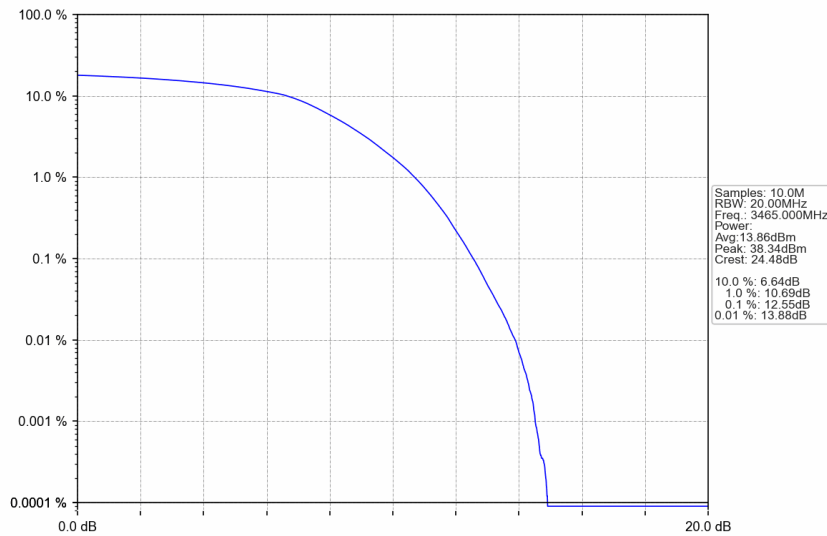


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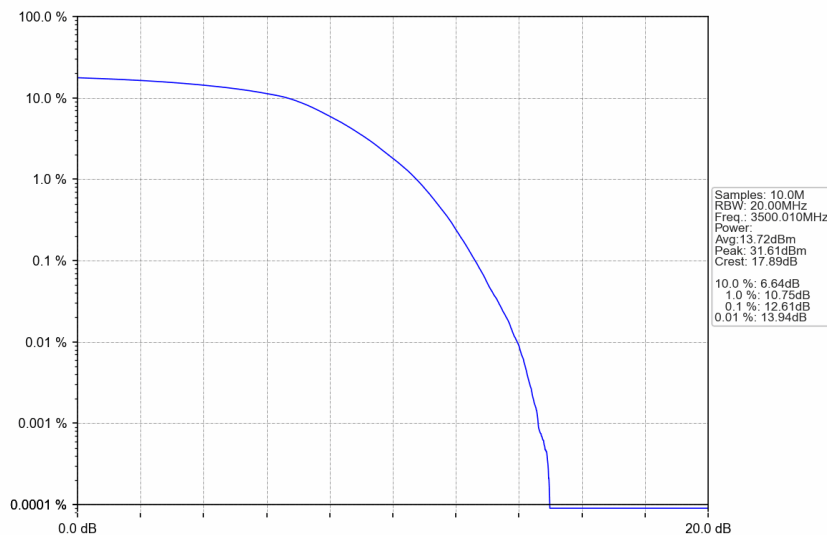
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n77d\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 256 QAM\_3465MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 256 QAM\_3500.01MHz\_Outer\_c Full

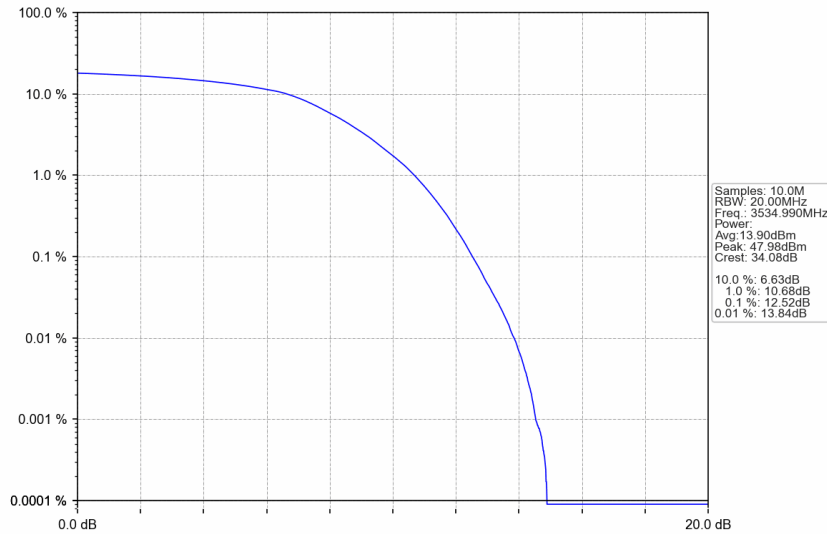


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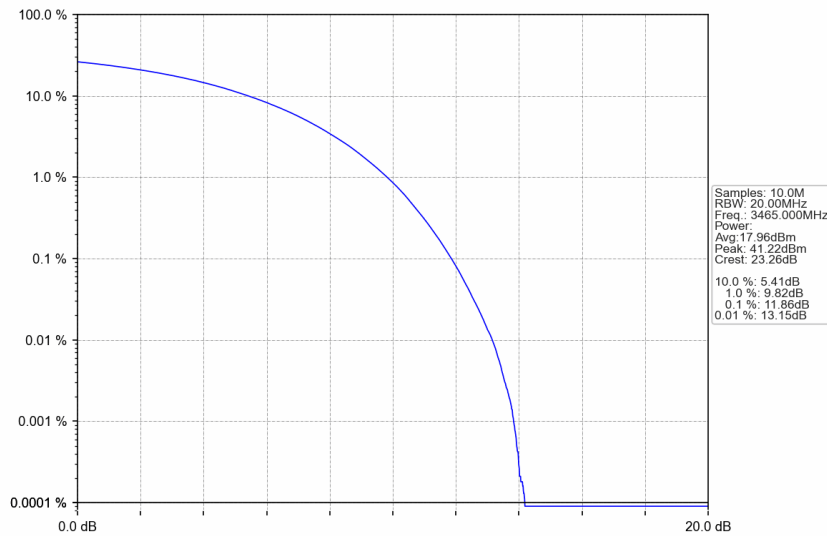
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n77d\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM 256 QAM\_3534.99MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3465MHz\_Outer\_Full



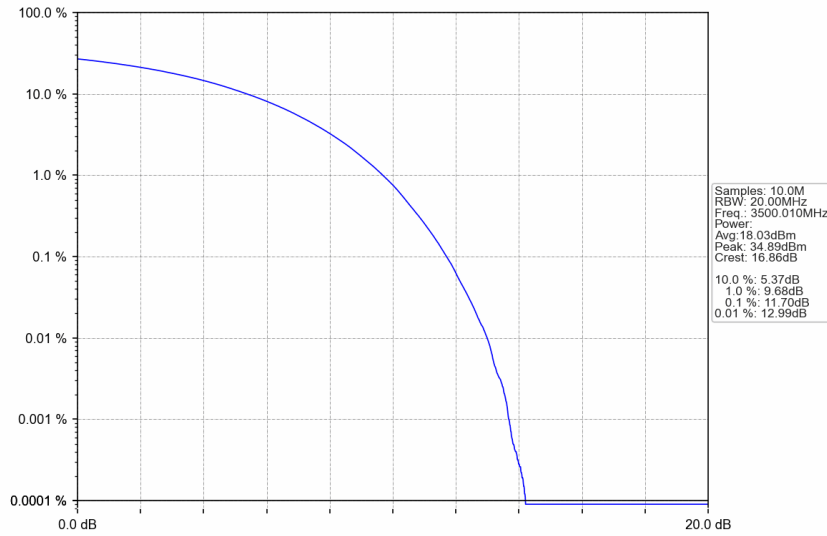
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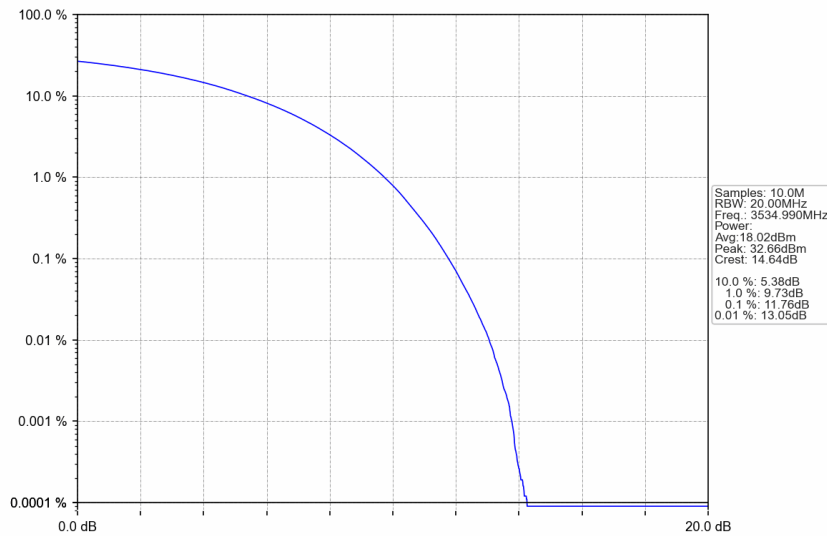
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n77d\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3500.01MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3534.99MHz\_Outer\_Full



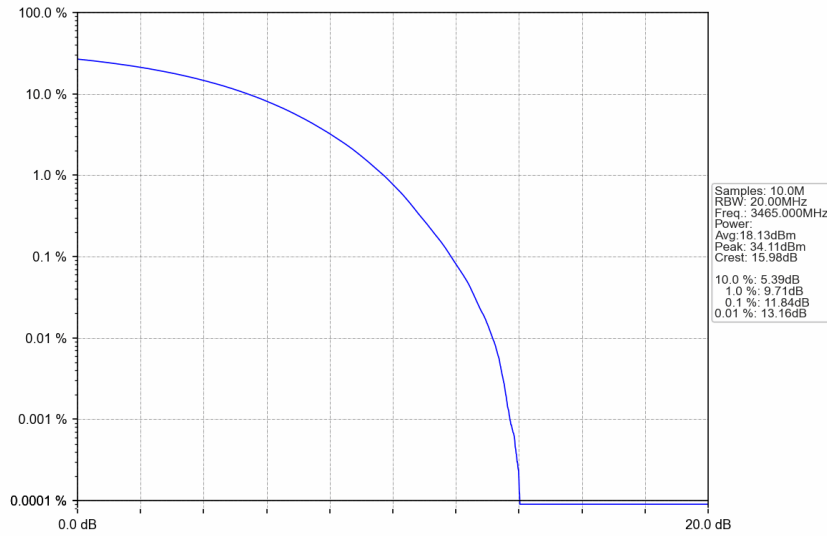
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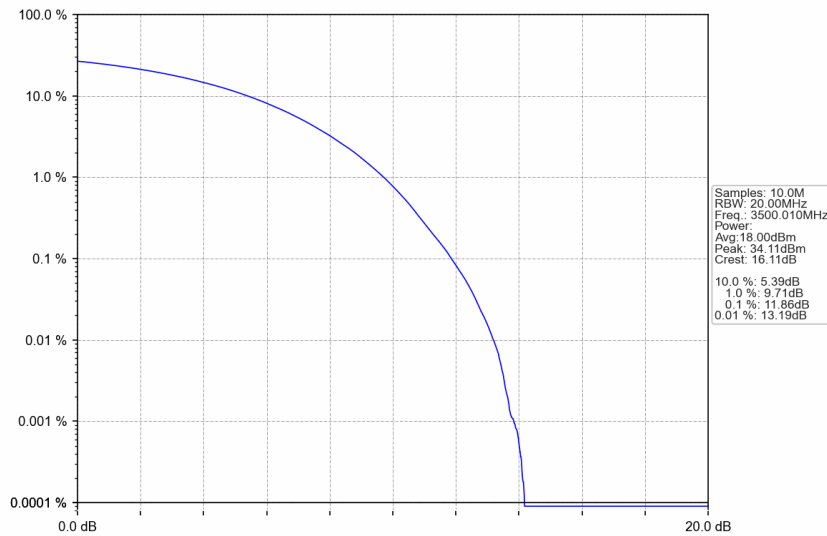
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n77d\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM 16 QAM\_3465MHz\_Outer\_Full



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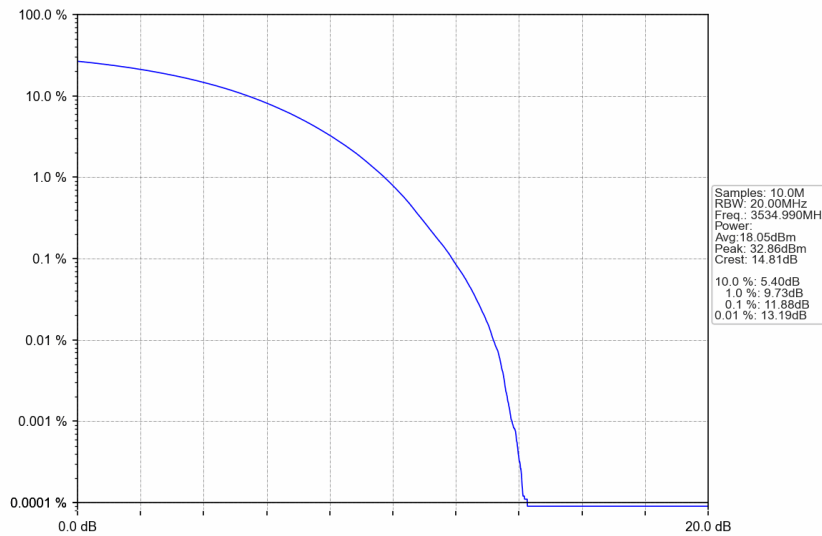


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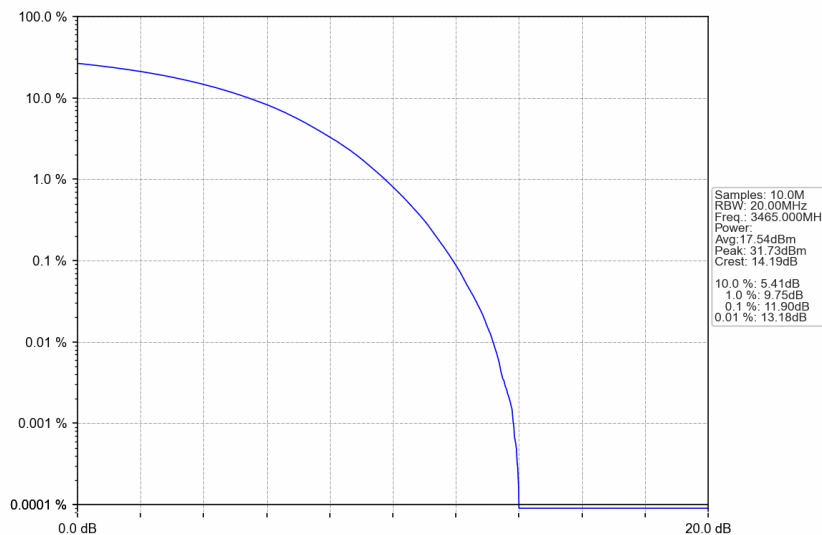
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n77d\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM 16 QAM\_3534.99MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM 64 QAM\_3465MHz\_Outer\_Full



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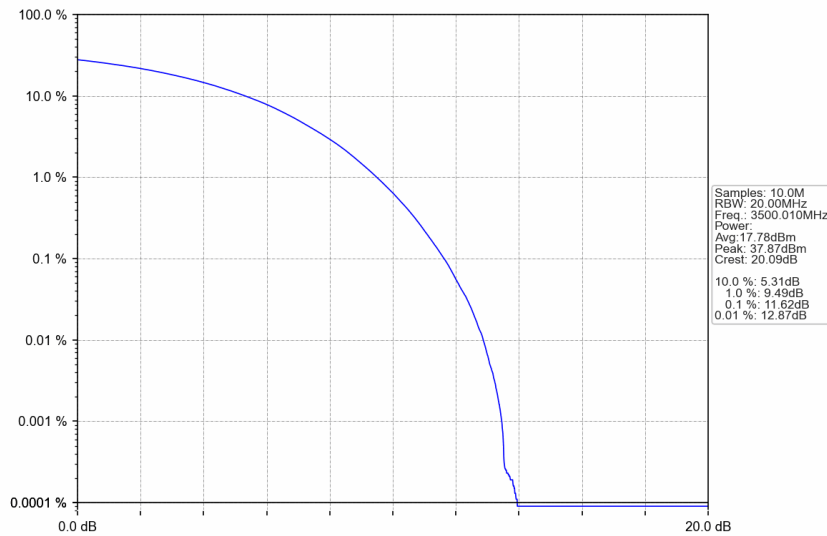


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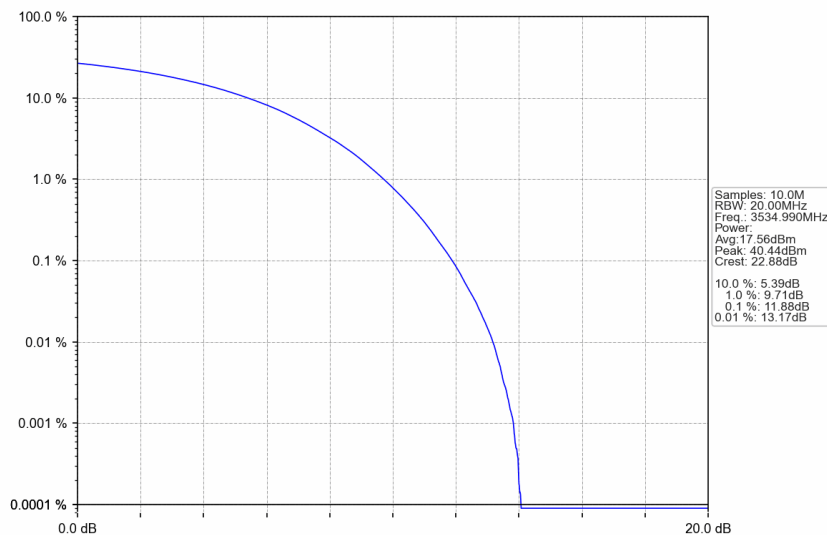
Rev.: 01

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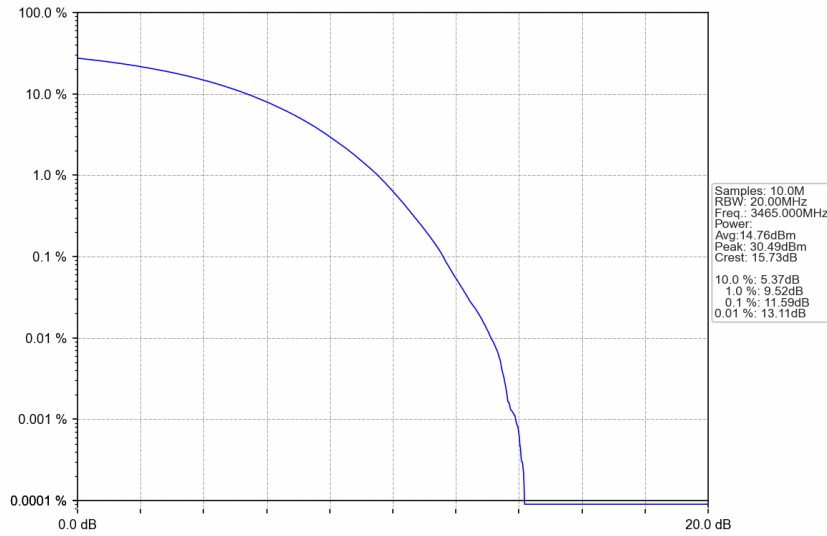
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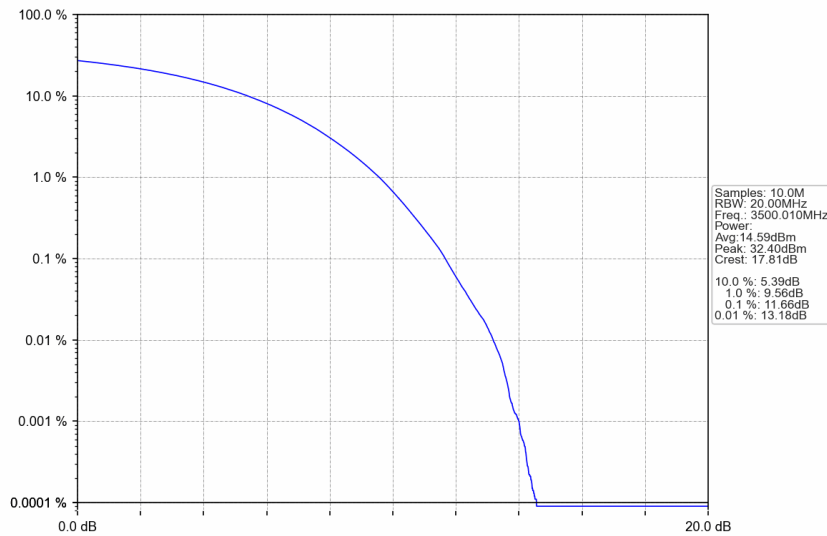
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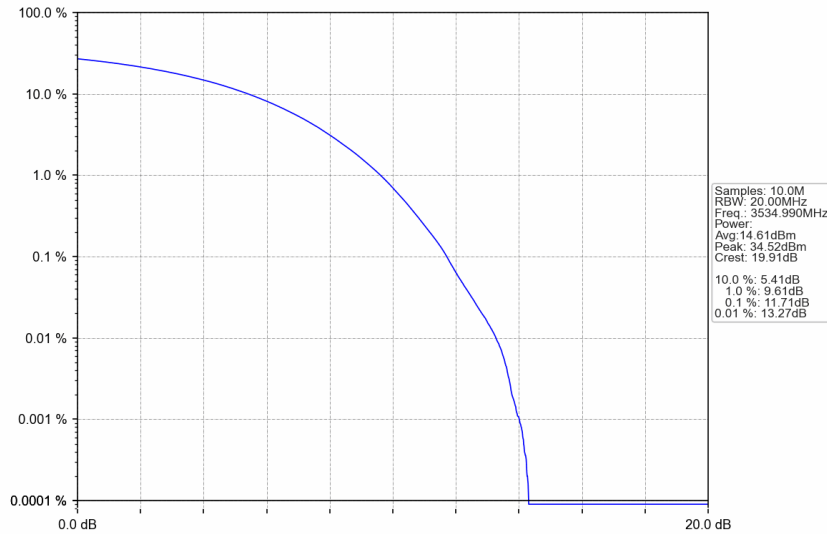


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5.13 30k\_SISO\_40MHz\_NTNV

5.13.1 Test Result

5G NR n77d SCS=30kHz SISO 40MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3470.01	Outer_Full	10.35	/	/	<=13	Pass
	3500.01	Outer_Full	10.72	/	/	<=13	Pass
	3529.98	Outer_Full	10.27	/	/	<=13	Pass
DFT-s-OFDM QPSK	3470.01	Outer_Full	11.29	/	/	<=13	Pass
	3500.01	Outer_Full	11.82	/	/	<=13	Pass
	3529.98	Outer_Full	11.70	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3470.01	Outer_Full	13.00	/	/	<=13	Pass
	3500.01	Outer_Full	12.55	/	/	<=13	Pass
	3529.98	Outer_Full	12.68	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3470.01	Outer_Full	12.76	/	/	<=13	Pass
	3500.01	Outer_Full	12.62	/	/	<=13	Pass
	3529.98	Outer_Full	12.75	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3470.01	Outer_Full	12.82	/	/	<=13	Pass
	3500.01	Outer_Full	12.72	/	/	<=13	Pass
	3529.98	Outer_Full	12.67	/	/	<=13	Pass
CP-OFDM QPSK	3470.01	Outer_Full	11.84	/	/	<=13	Pass
	3500.01	Outer_Full	11.93	/	/	<=13	Pass
	3529.98	Outer_Full	11.81	/	/	<=13	Pass
CP-OFDM 16 QAM	3470.01	Outer_Full	11.89	/	/	<=13	Pass
	3500.01	Outer_Full	11.89	/	/	<=13	Pass
	3529.98	Outer_Full	11.85	/	/	<=13	Pass
CP-OFDM 64 QAM	3470.01	Outer_Full	11.97	/	/	<=13	Pass
	3500.01	Outer_Full	11.87	/	/	<=13	Pass
	3529.98	Outer_Full	12.06	/	/	<=13	Pass
CP-OFDM 256 QAM	3470.01	Outer_Full	11.65	/	/	<=13	Pass
	3500.01	Outer_Full	11.59	/	/	<=13	Pass
	3529.98	Outer_Full	11.66	/	/	<=13	Pass

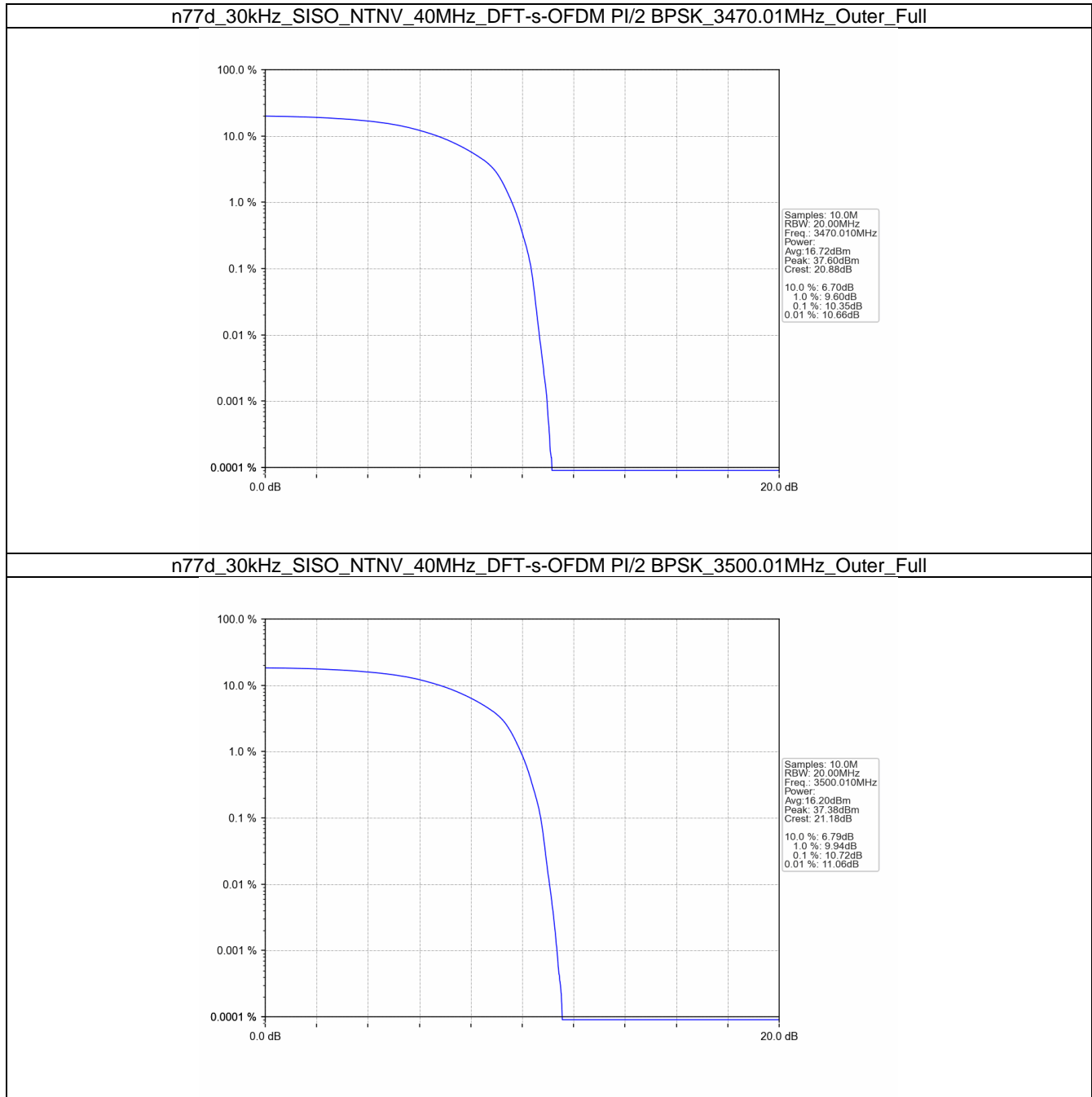


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5.13.2 Test Graph

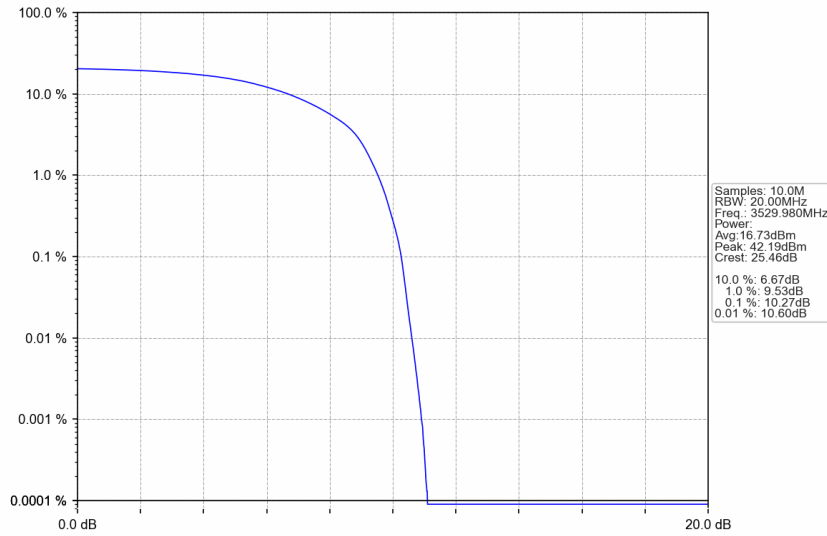


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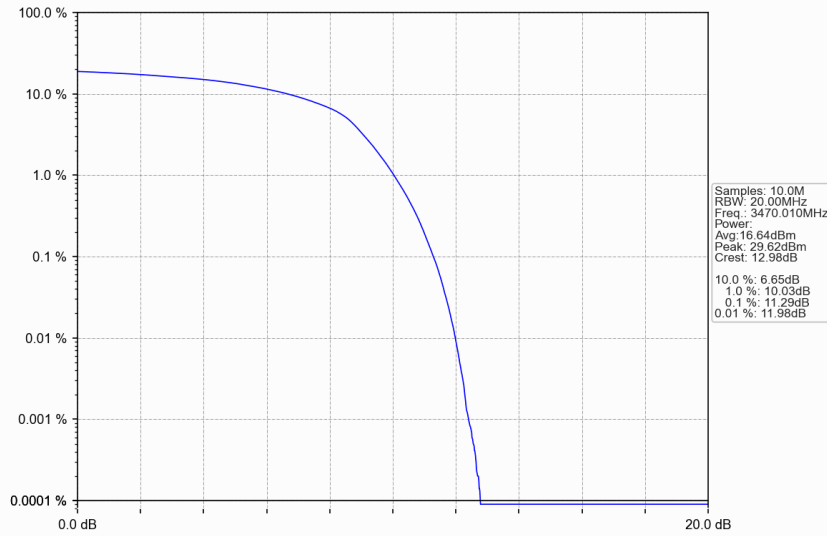
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n77d\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM QPSK\_3470.01MHz\_Outer\_Full



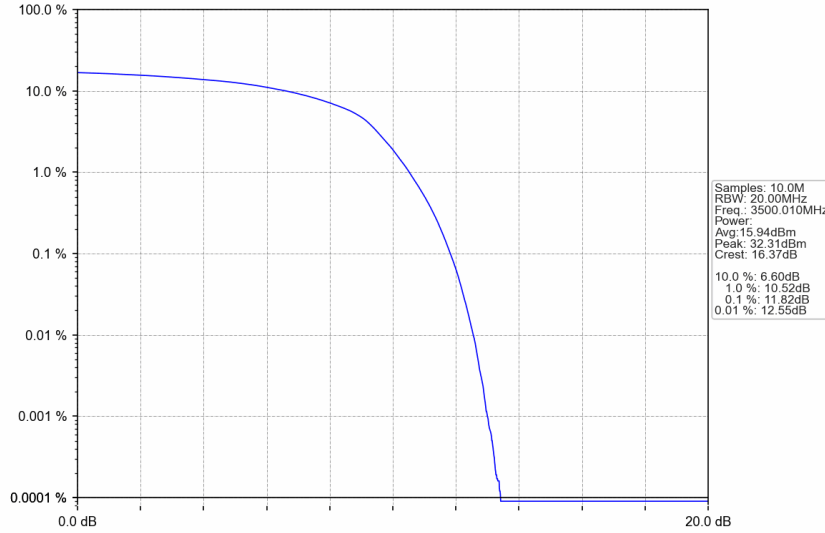
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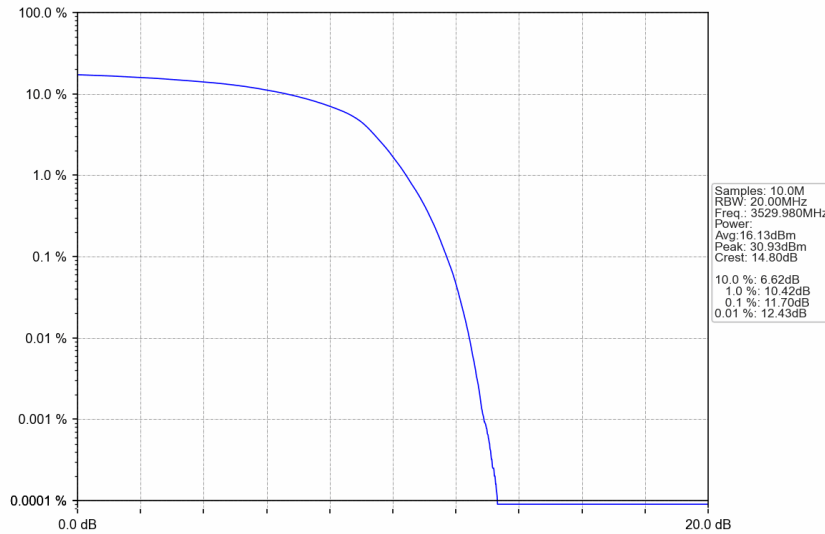
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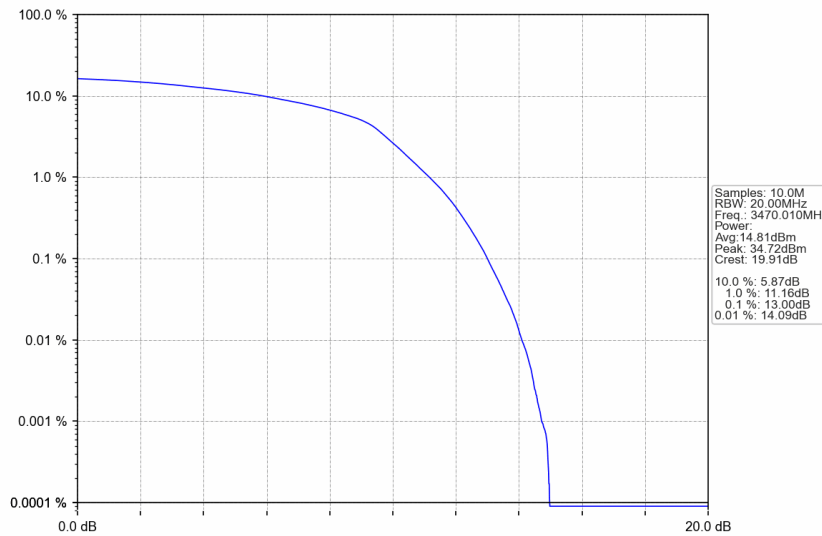


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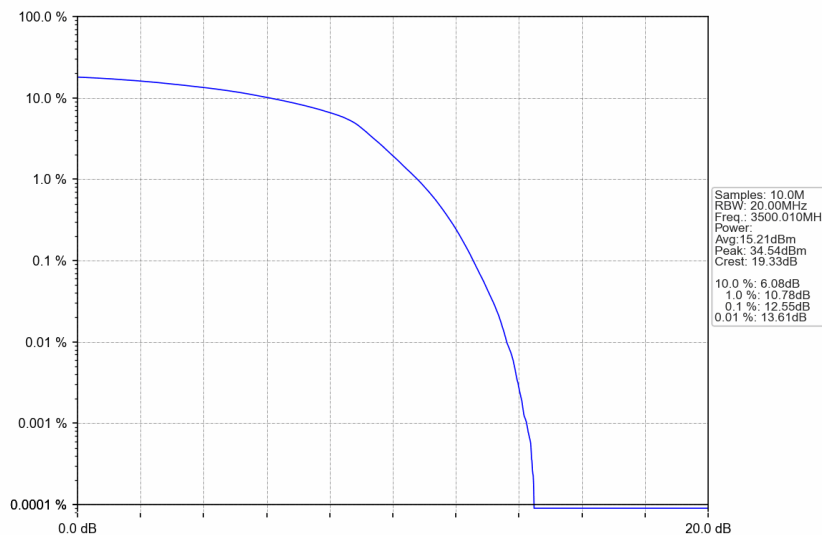
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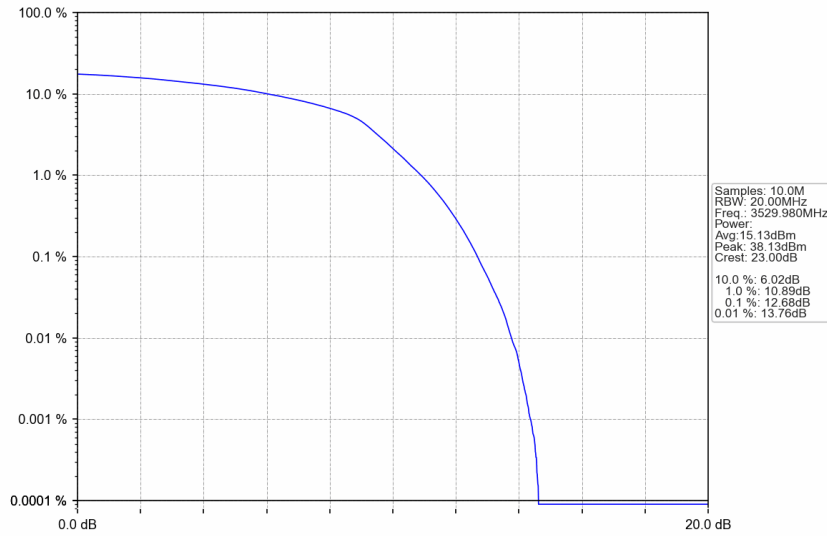


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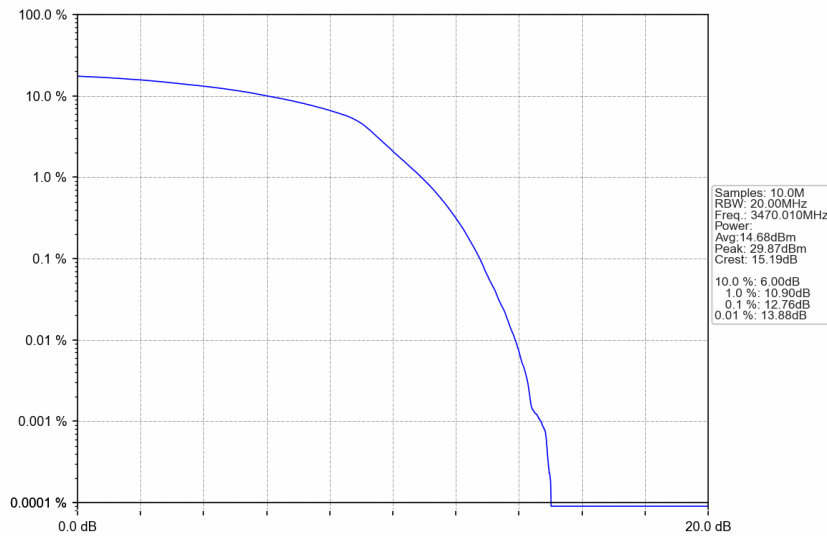
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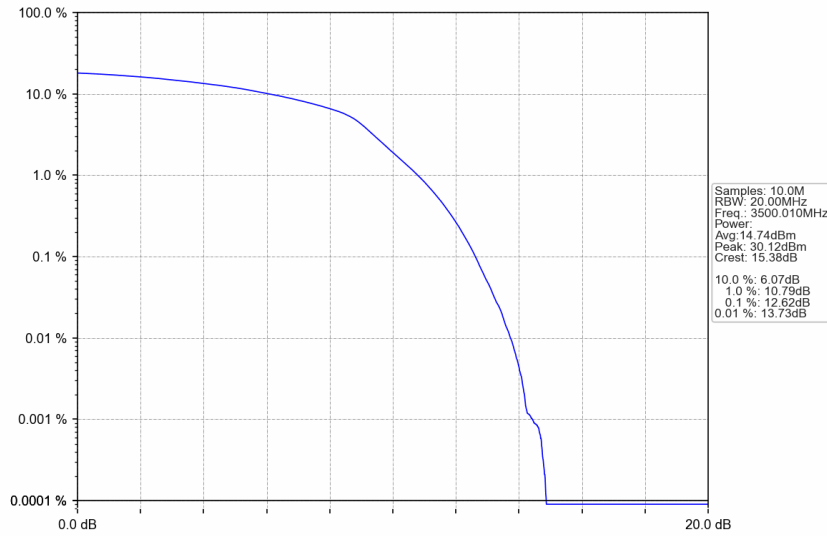
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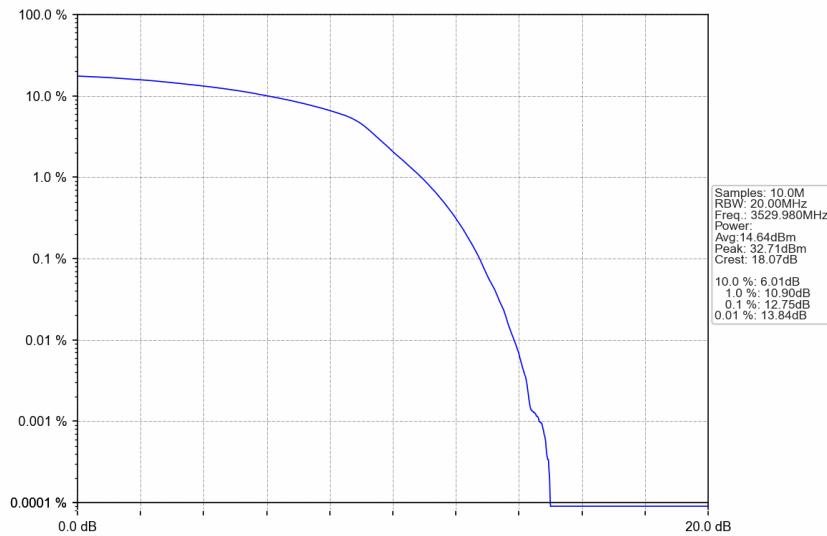
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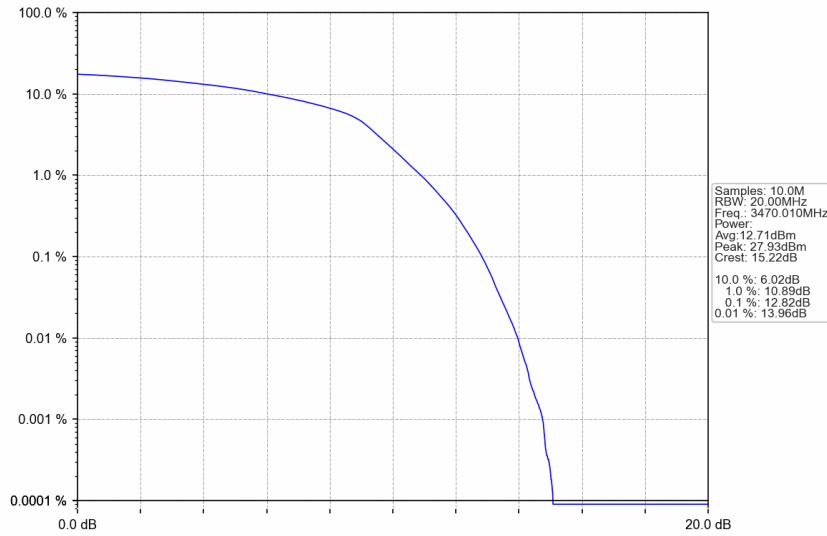
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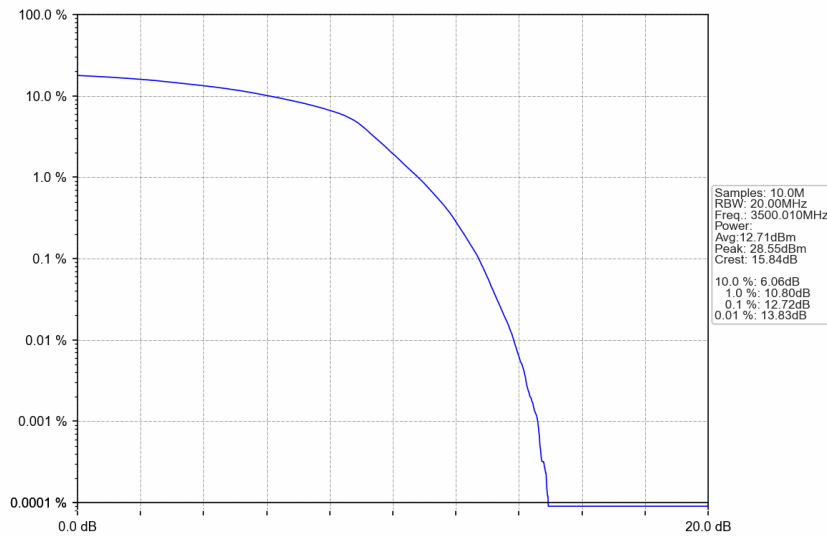
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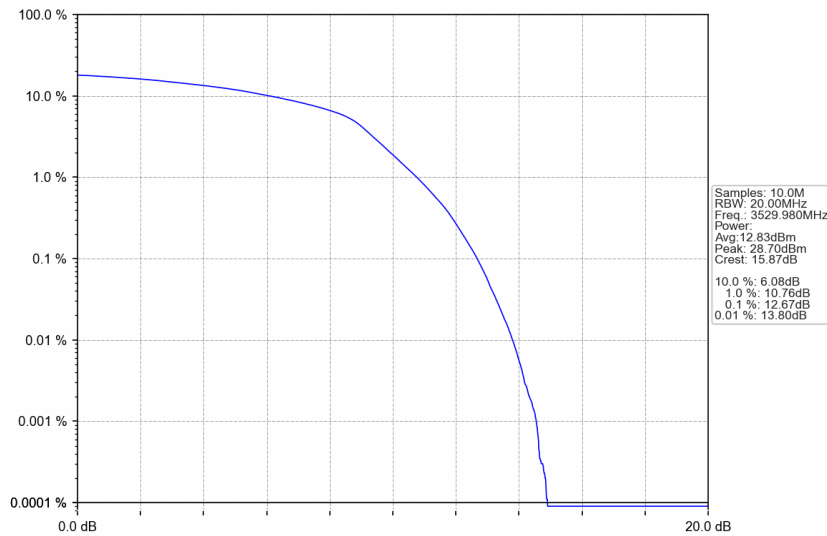


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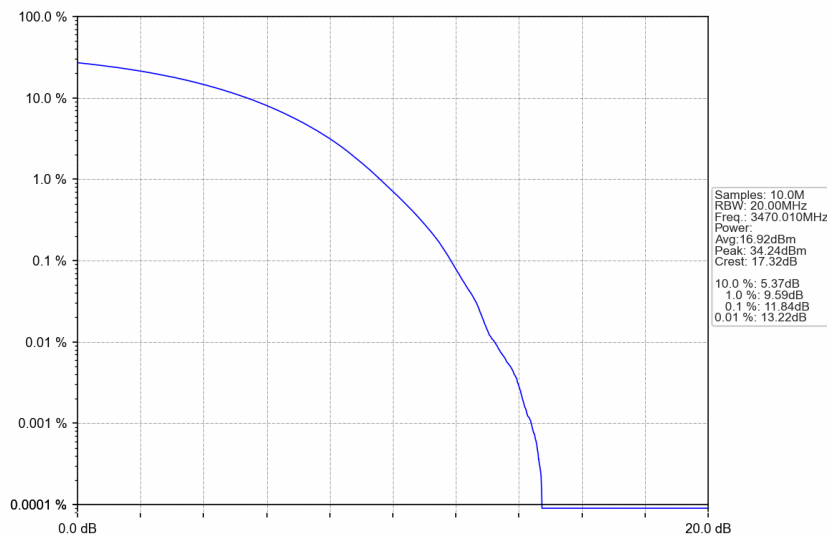
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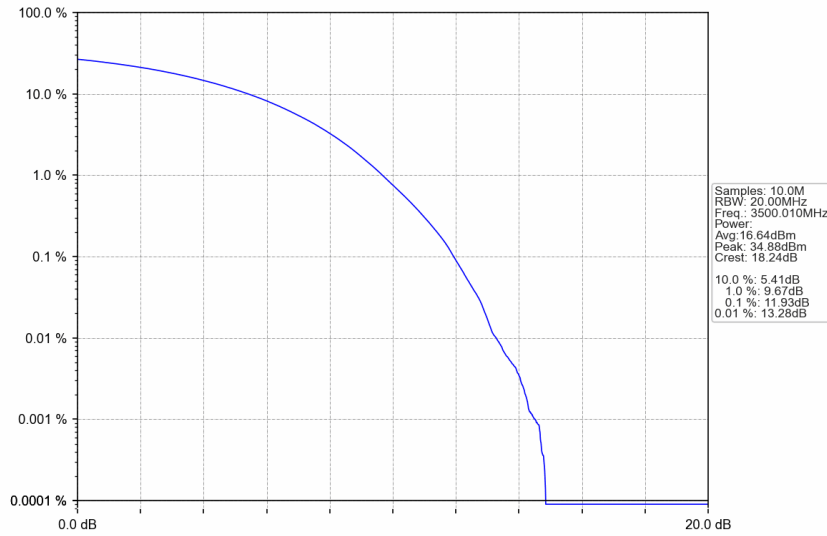


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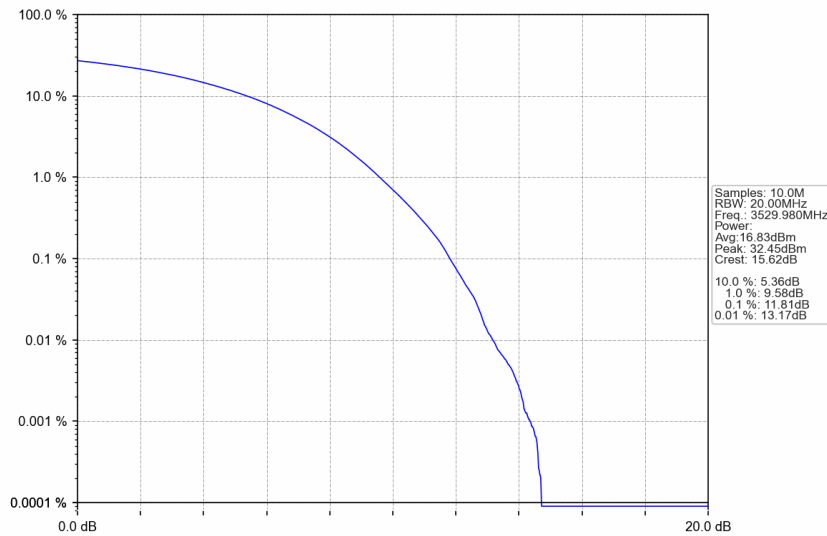
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n77d\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3529.98MHz\_Outer\_Full

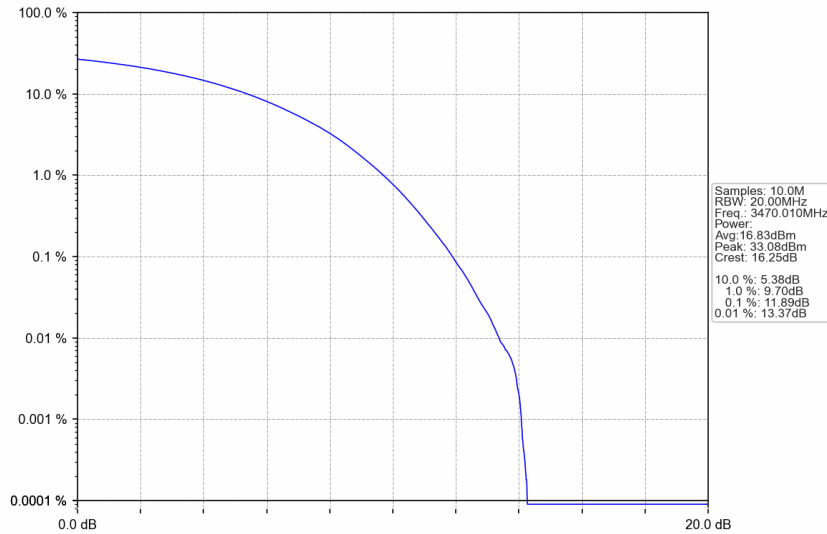


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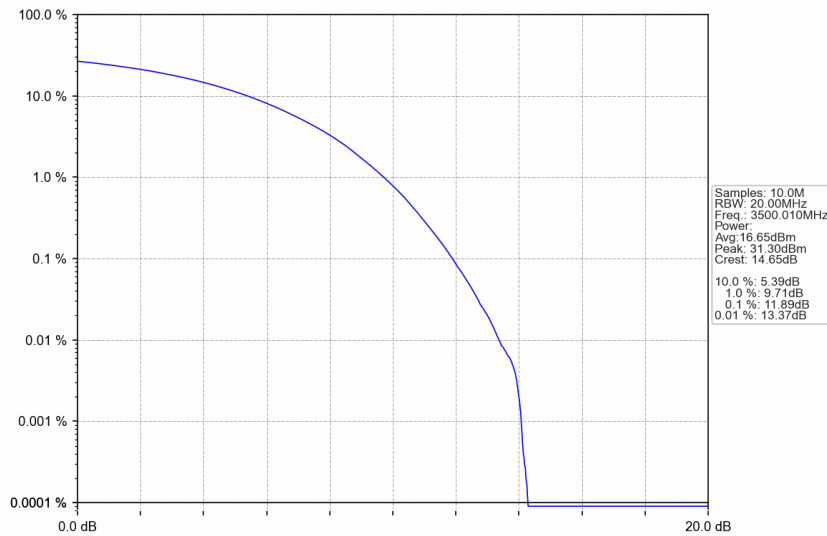
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n77d\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3470.01MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 16 QAM\_3500.01MHz\_Outer\_Full



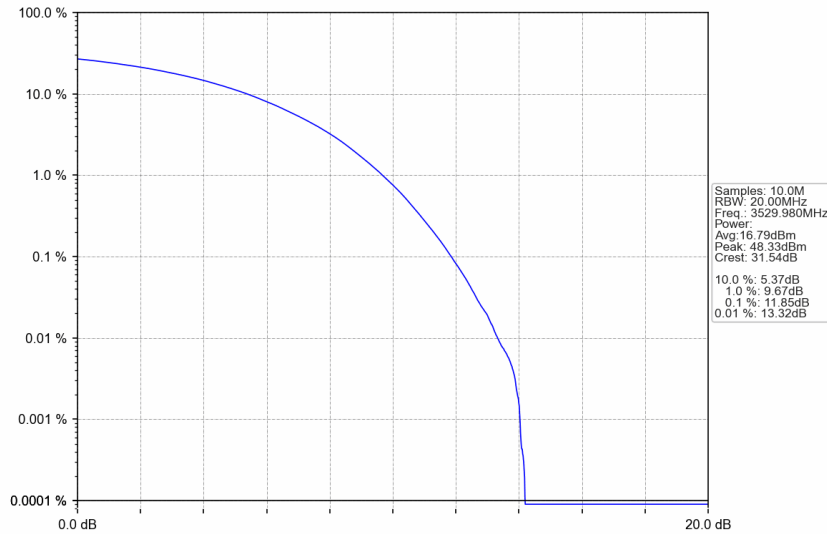
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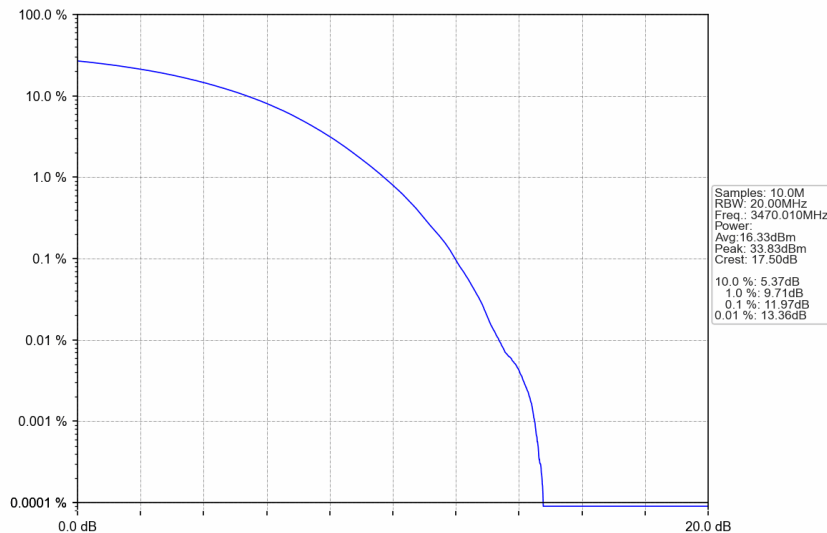
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n77d\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3470.01MHz\_Outer\_Full

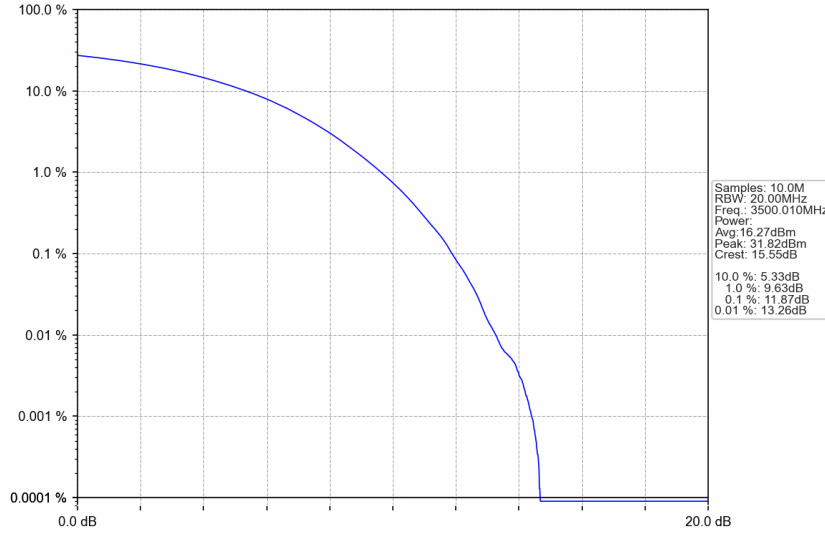


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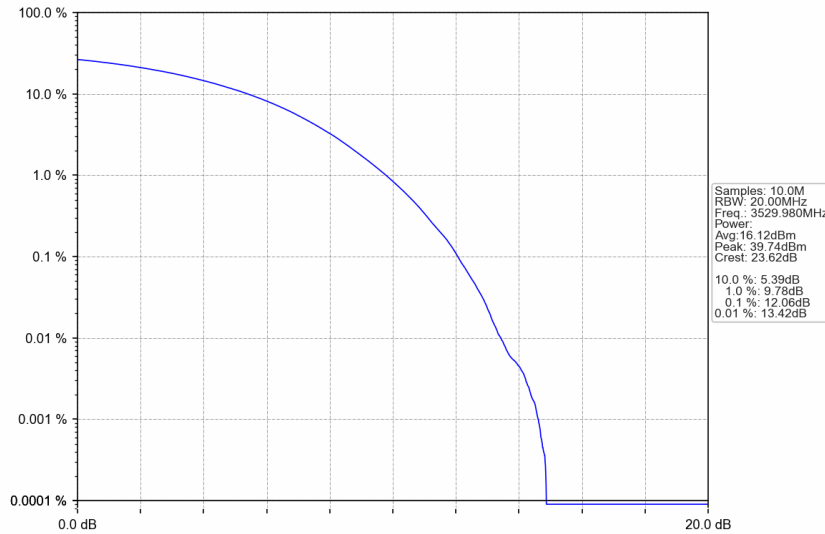
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n77d\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3500.01MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 64 QAM\_3529.98MHz\_Outer\_Full

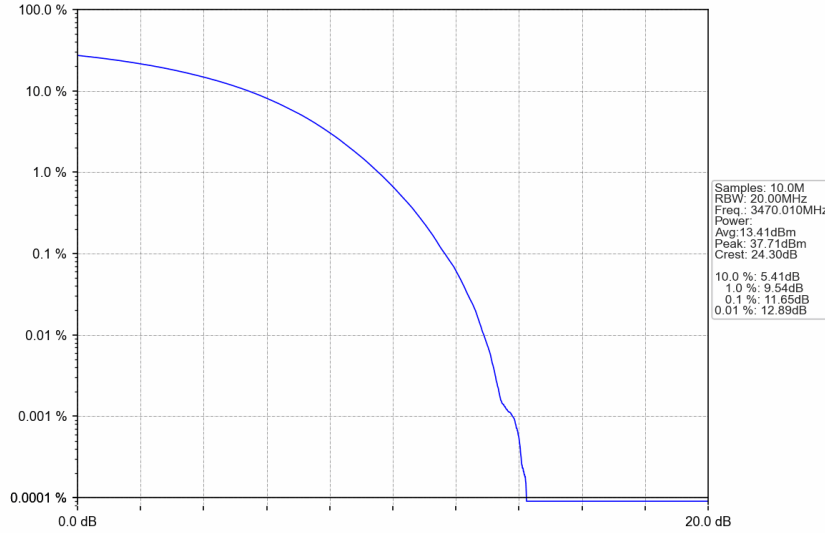


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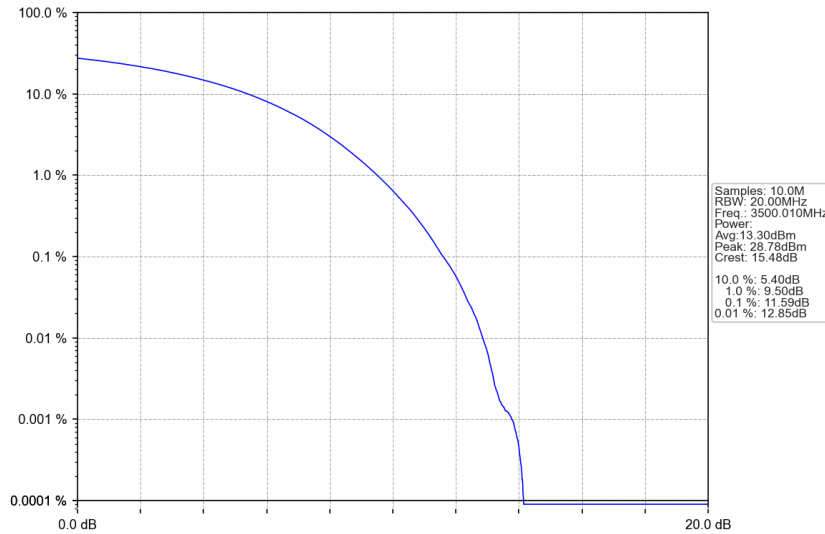
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n77d\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3470.01MHz\_Outer\_Full



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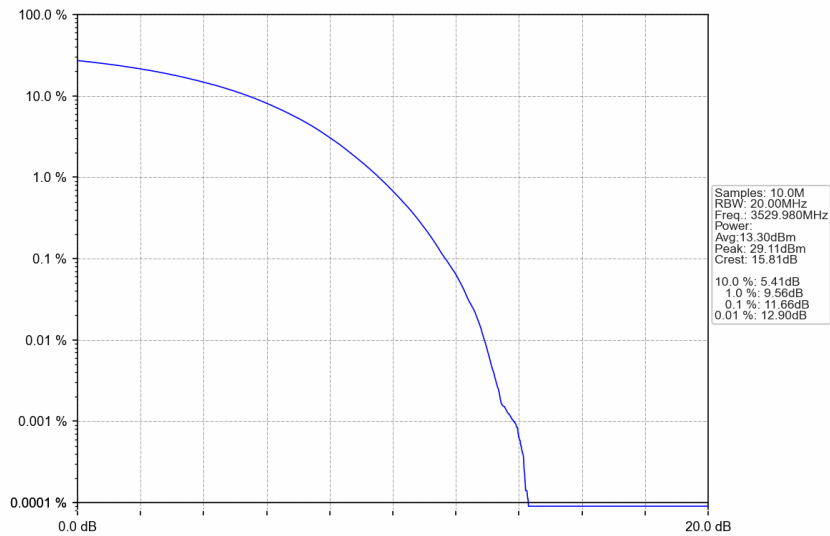


Report No.: SEWM2311000456RG02

Rev.: 01

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n77d\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM 256 QAM\_3529.98MHz\_Outer\_Full



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5.14 30k\_SISO\_50MHz\_NTNV

5.14.1 Test Result

5G NR n77d SCS=30kHz SISO 50MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3475.02	Outer_Full	11.76	/	/	<=13	Pass
	3500.01	Outer_Full	11.37	/	/	<=13	Pass
	3525	Outer_Full	11.85	/	/	<=13	Pass
DFT-s-OFDM QPSK	3475.02	Outer_Full	12.27	/	/	<=13	Pass
	3500.01	Outer_Full	12.41	/	/	<=13	Pass
	3525	Outer_Full	12.23	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3475.02	Outer_Full	12.99	/	/	<=13	Pass
	3500.01	Outer_Full	12.81	/	/	<=13	Pass
	3525	Outer_Full	12.79	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3475.02	Outer_Full	12.80	/	/	<=13	Pass
	3500.01	Outer_Full	12.92	/	/	<=13	Pass
	3525	Outer_Full	12.97	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3475.02	Outer_Full	10.63	/	/	<=13	Pass
	3500.01	Outer_Full	12.86	/	/	<=13	Pass
	3525	Outer_Full	10.84	/	/	<=13	Pass
CP-OFDM QPSK	3475.02	Outer_Full	11.75	/	/	<=13	Pass
	3500.01	Outer_Full	11.84	/	/	<=13	Pass
	3525	Outer_Full	11.80	/	/	<=13	Pass
CP-OFDM 16 QAM	3475.02	Outer_Full	11.80	/	/	<=13	Pass
	3500.01	Outer_Full	11.75	/	/	<=13	Pass
	3525	Outer_Full	11.70	/	/	<=13	Pass
CP-OFDM 64 QAM	3475.02	Outer_Full	11.82	/	/	<=13	Pass
	3500.01	Outer_Full	11.75	/	/	<=13	Pass
	3525	Outer_Full	11.69	/	/	<=13	Pass
CP-OFDM 256 QAM	3475.02	Outer_Full	11.83	/	/	<=13	Pass
	3500.01	Outer_Full	11.91	/	/	<=13	Pass
	3525	Outer_Full	11.67	/	/	<=13	Pass

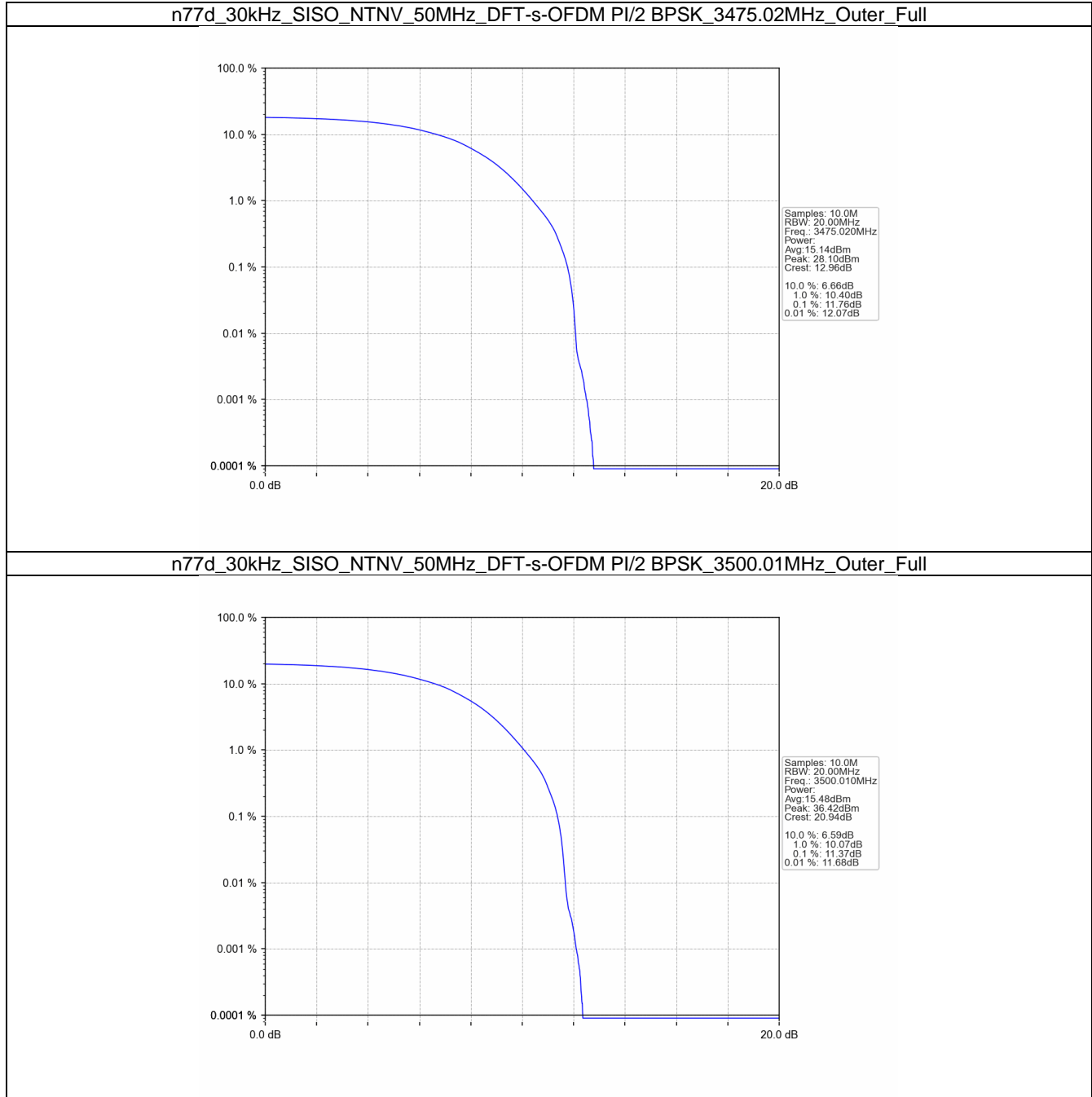


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5.14.2 Test Graph

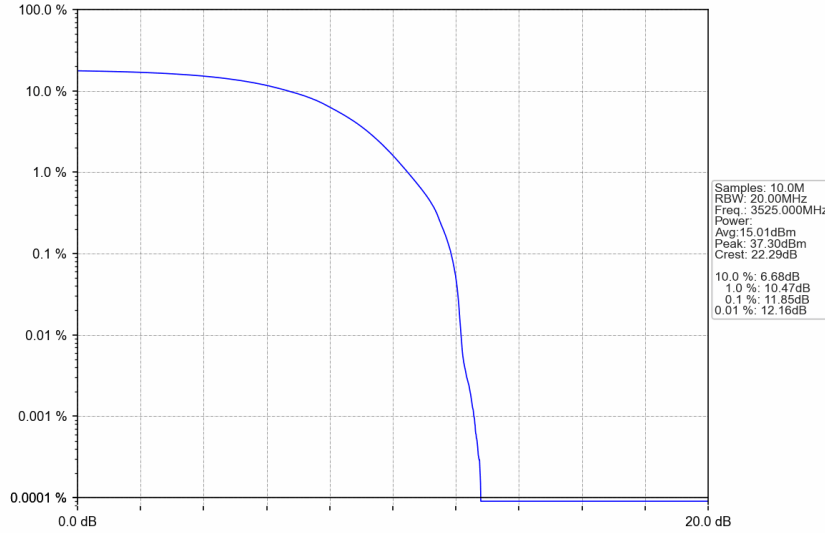


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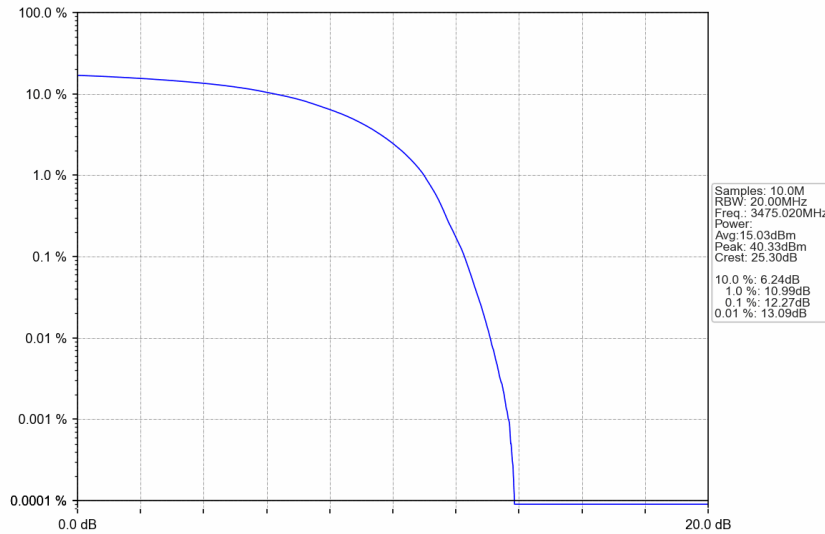
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n77d\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM QPSK\_3475.02MHz\_Outer\_Full



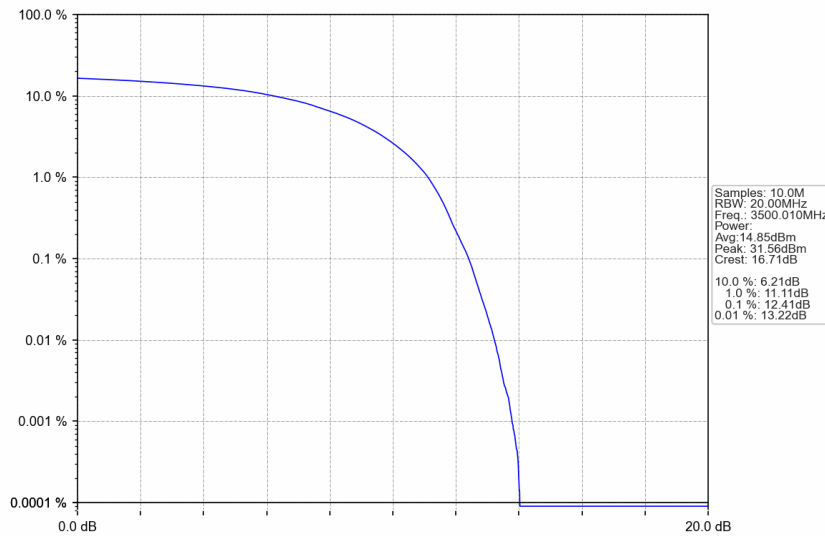
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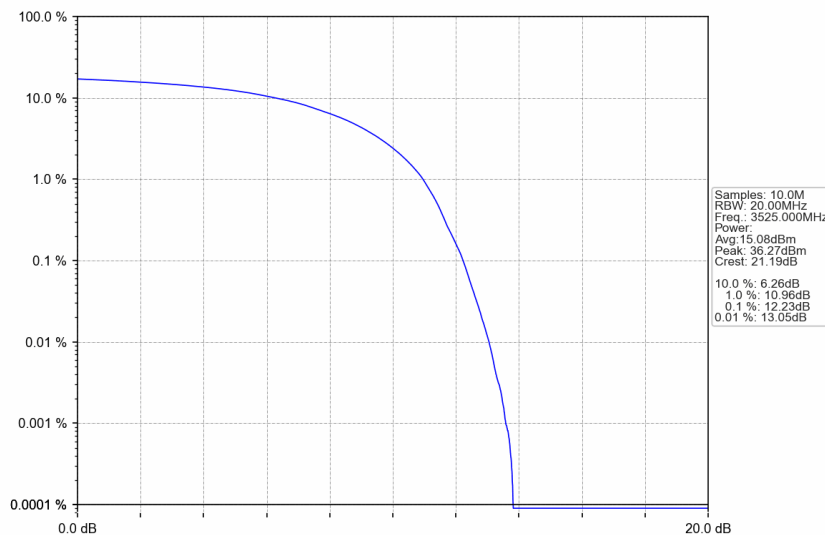
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n77d\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM QPSK\_3525MHz\_Outer\_Full



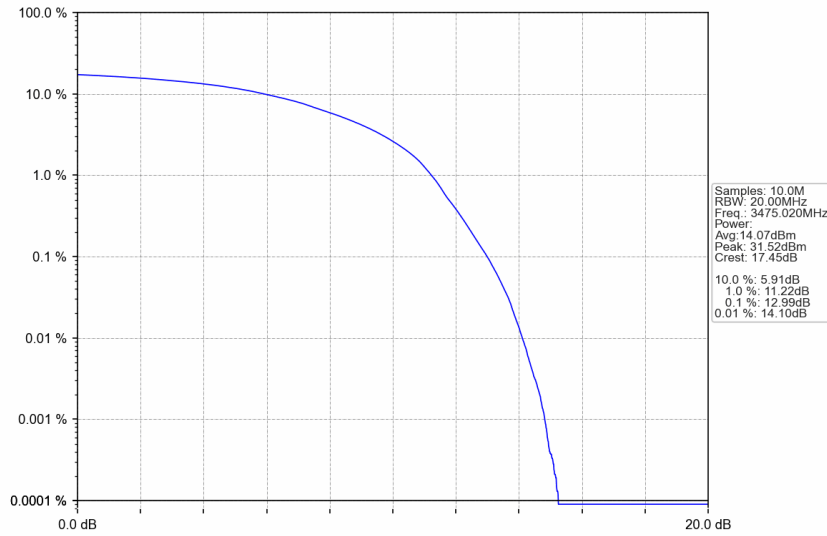
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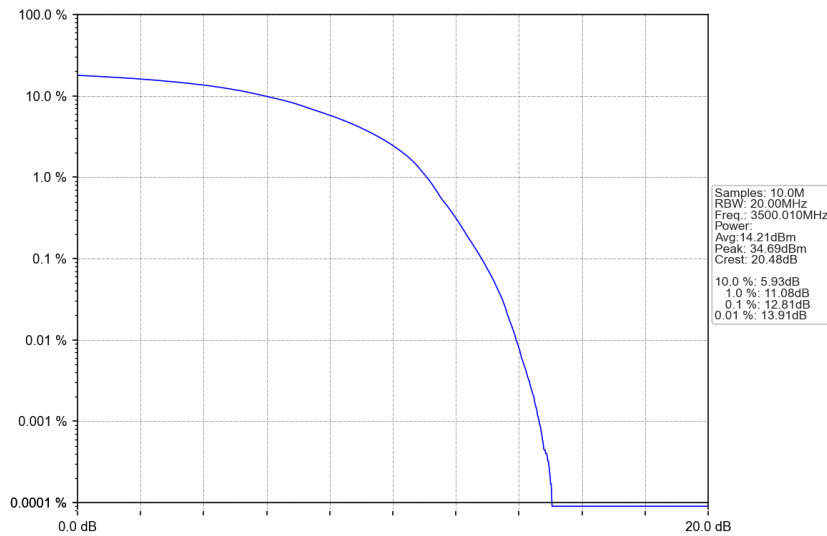
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n77d\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM 16 QAM\_3475.02MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM 16 QAM\_3500.01MHz\_Outer\_Full

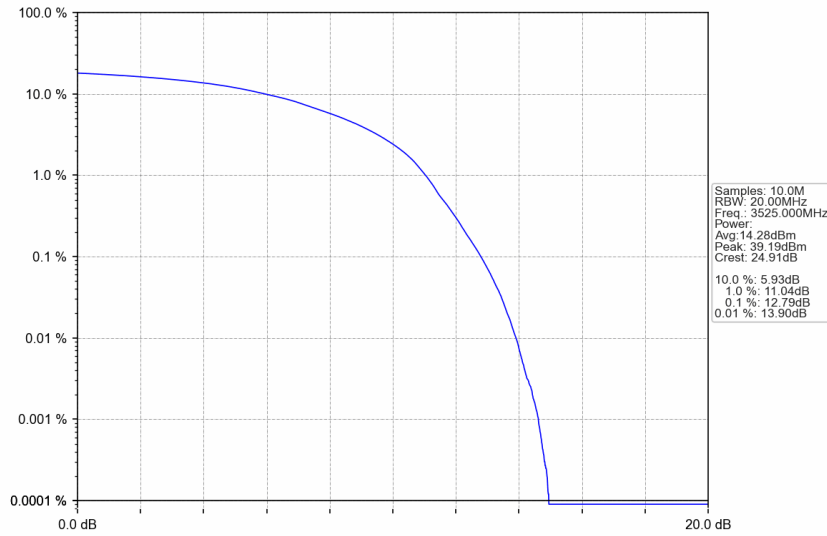


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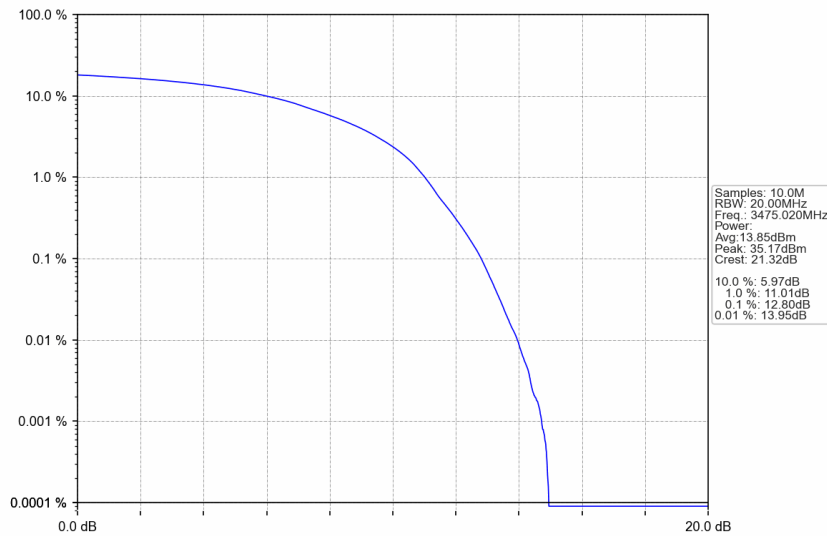
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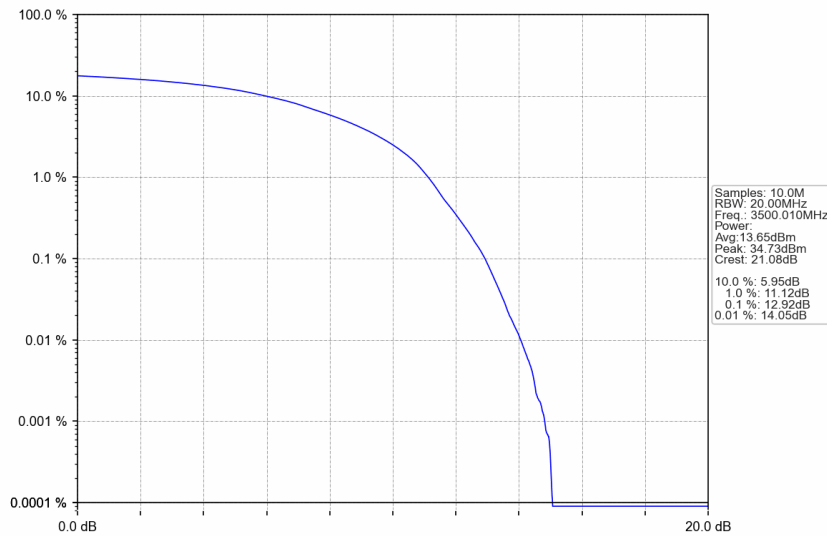
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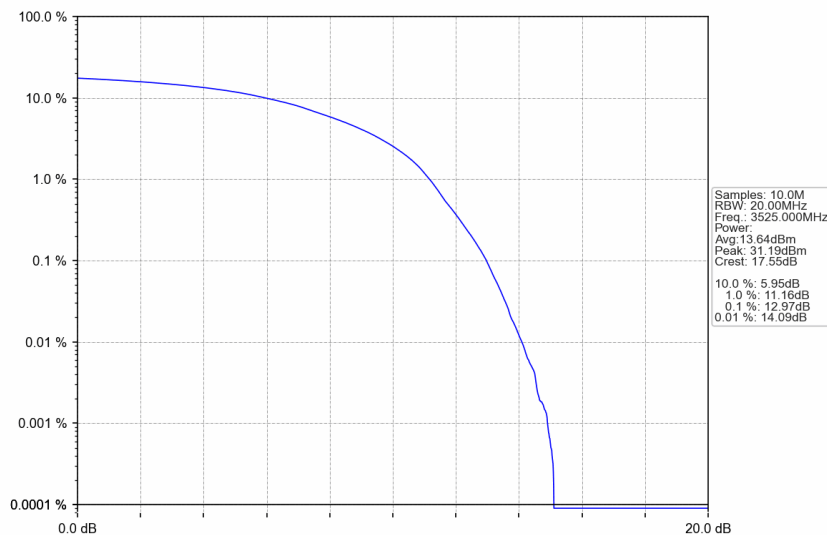
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n77d\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM 64 QAM\_3500.01MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM 64 QAM\_3525MHz\_Outer\_Full



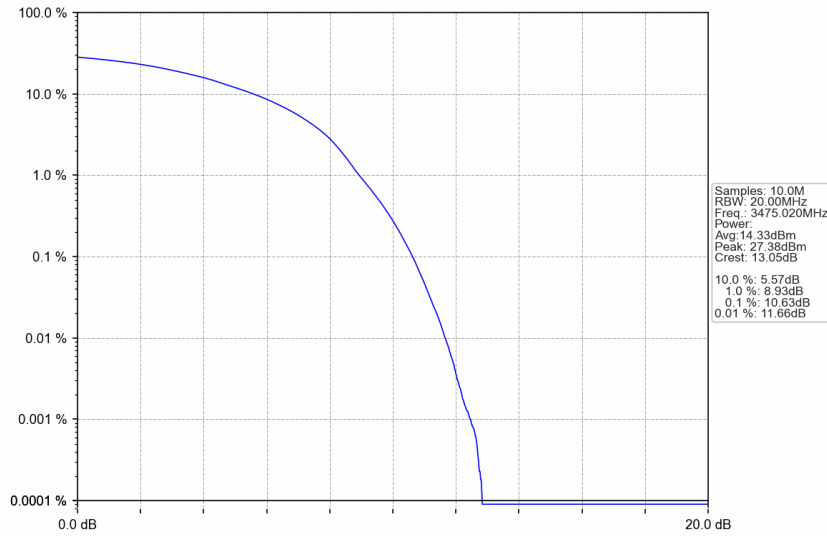
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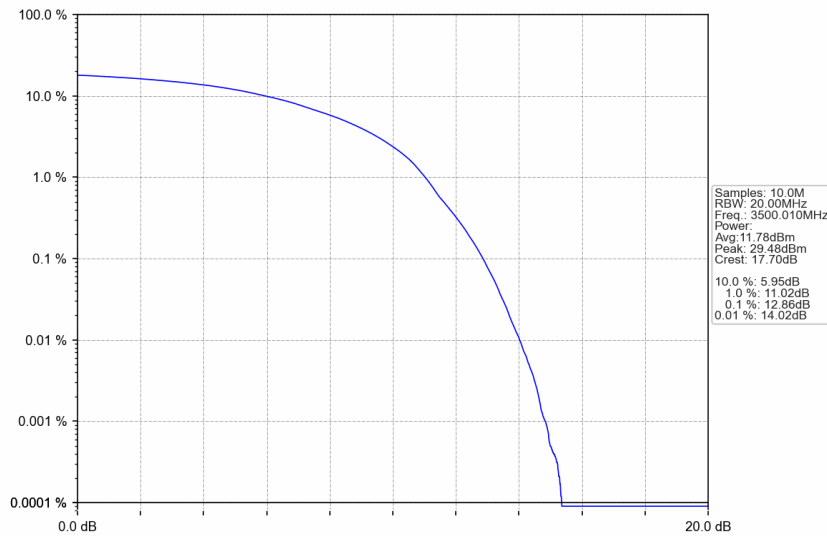
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n77d\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM 256 QAM\_3475.02MHz\_Outer\_Full



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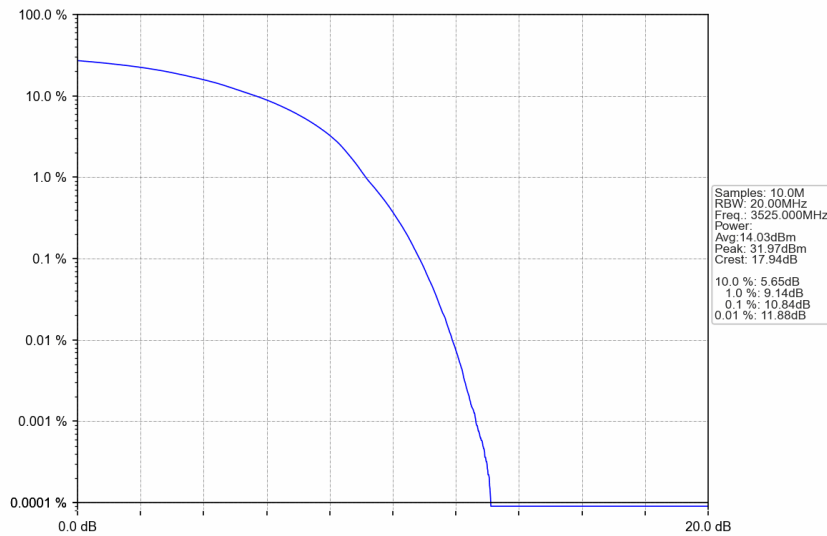


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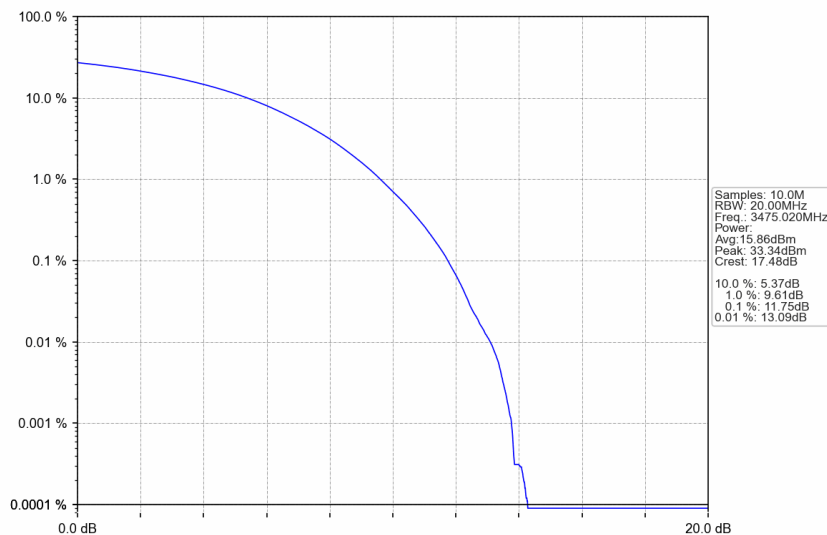
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n77d\_30kHz\_SISO\_NTNV\_50MHz\_DFT-s-OFDM 256 QAM\_3525MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM QPSK\_3475.02MHz\_Outer\_Full



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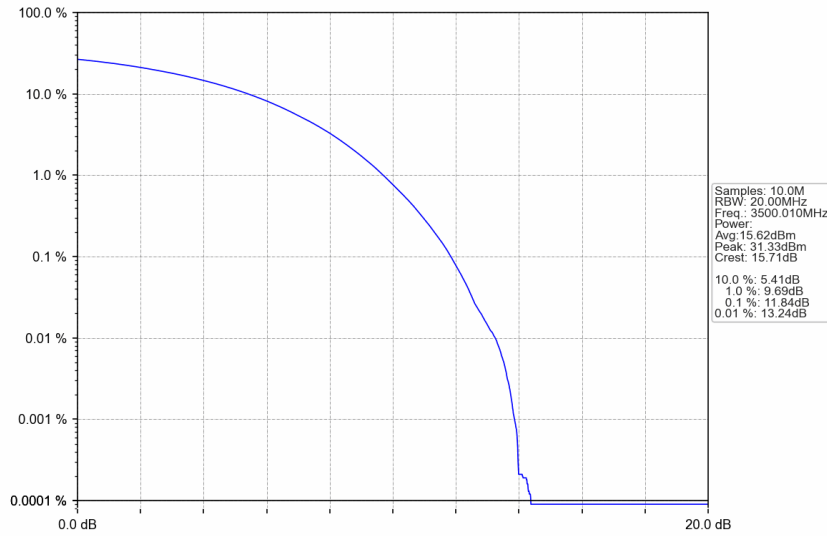


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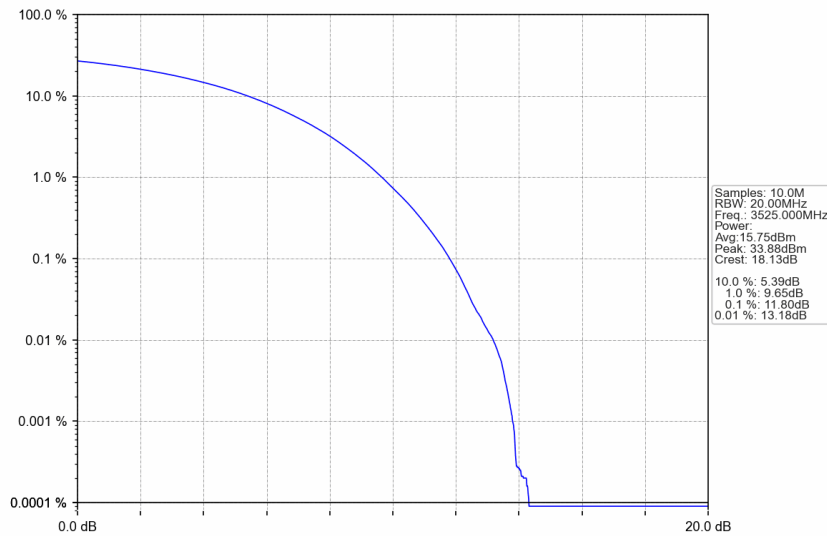
Rev.: 01

Page: 625 of 1237

n77d\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM QPSK\_3500.01MHz\_Outer\_Full



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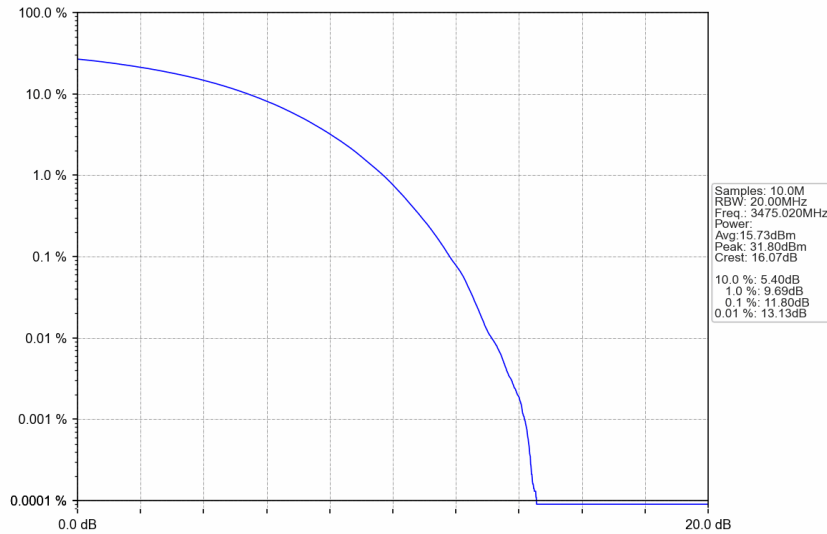
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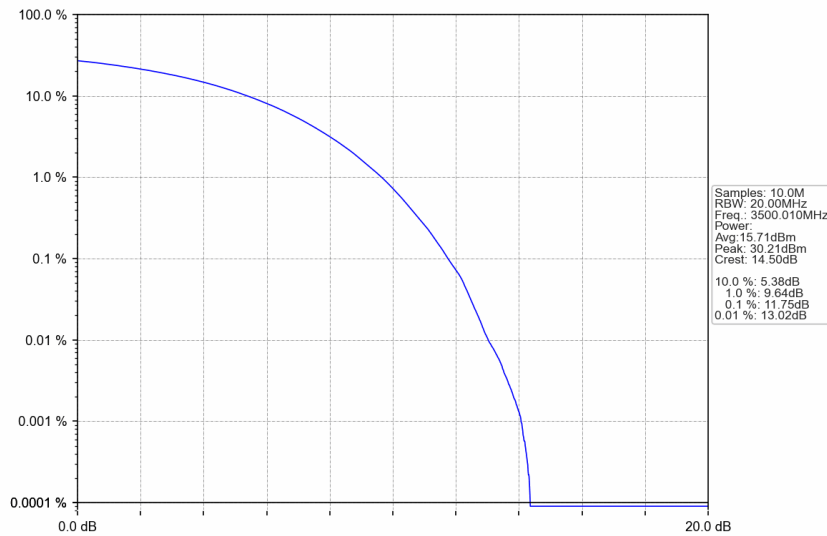
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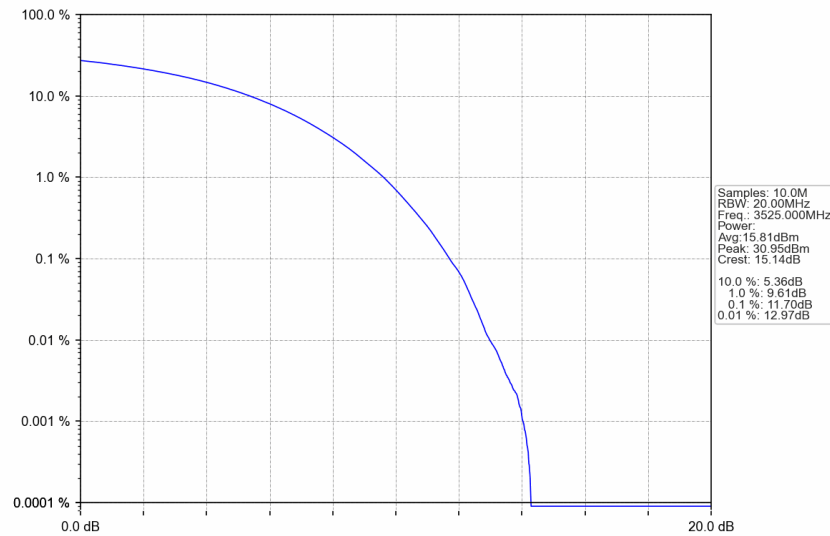


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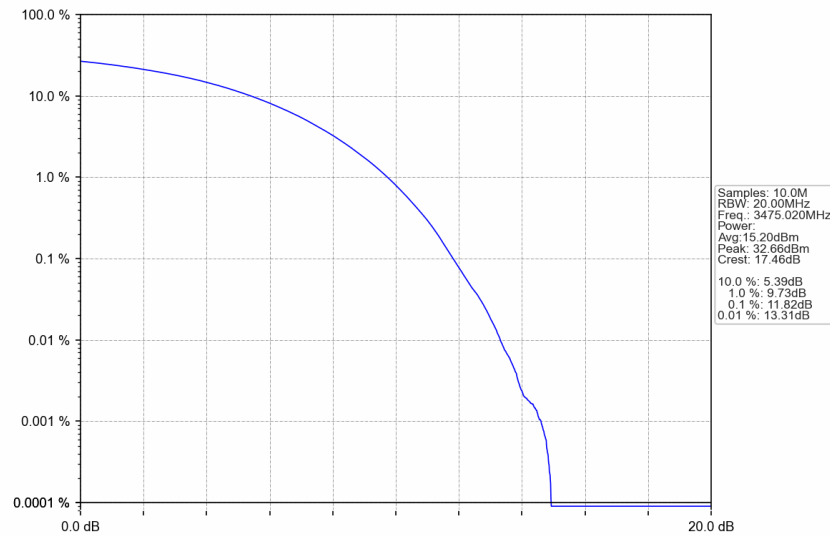
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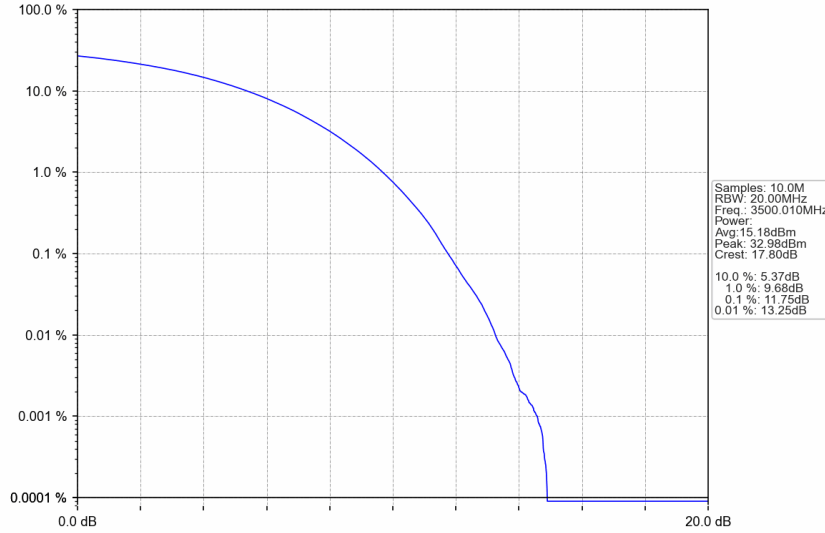
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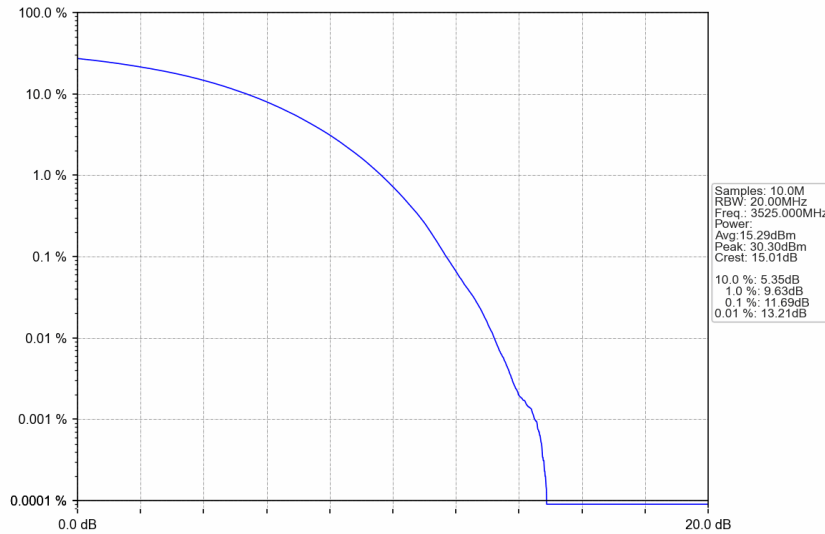
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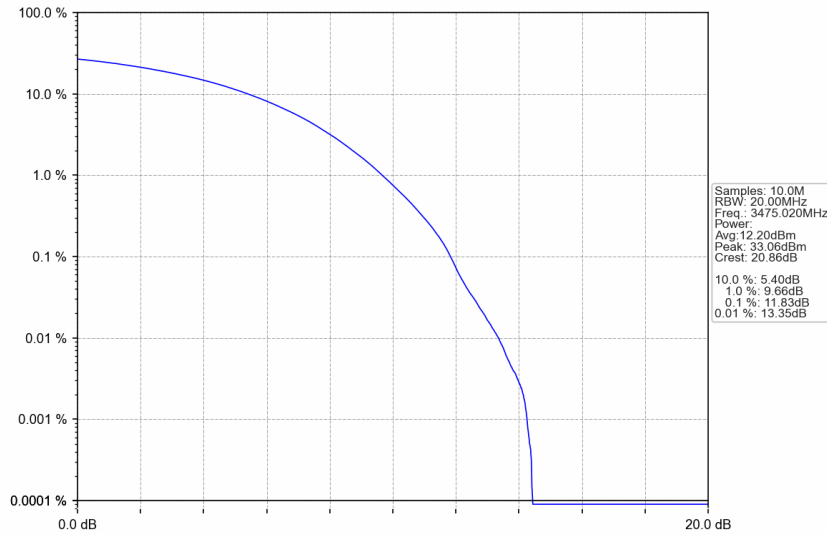
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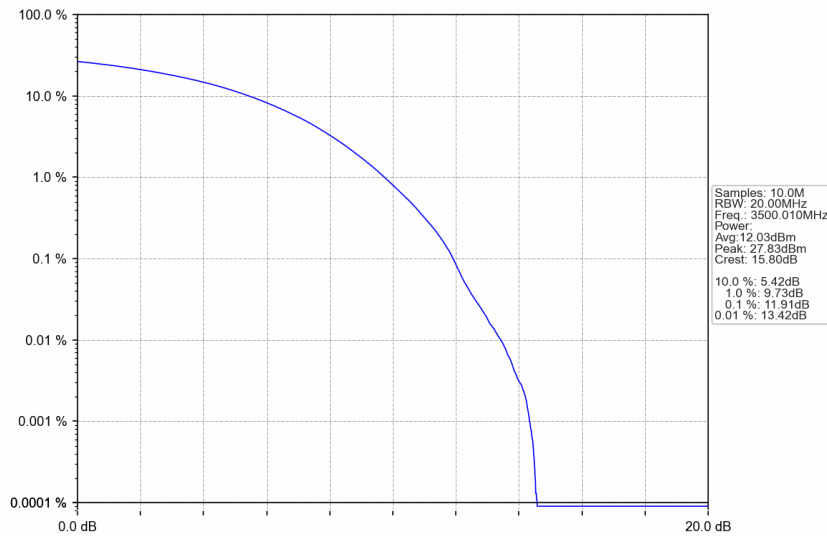
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n77d\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM 256 QAM\_3475.02MHz\_Outer\_Full



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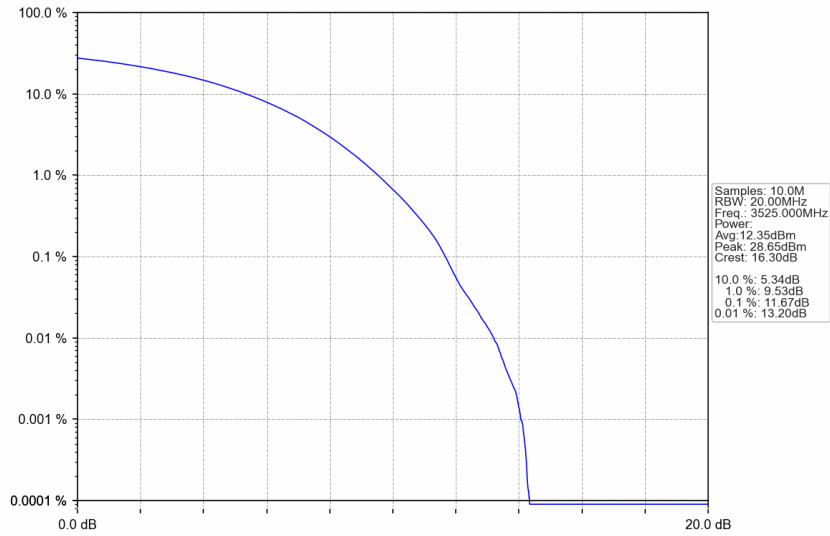


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SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd. Wireless Laboratory

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5.15 30k\_SISO\_60MHz\_NTNV

5.15.1 Test Result

5G NR n77d SCS=30kHz SISO 60MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3480	Outer_Full	12.97	/	/	<=13	Pass
	3500.01	Outer_Full	12.82	/	/	<=13	Pass
	3519.99	Outer_Full	9.99	/	/	<=13	Pass
DFT-s-OFDM QPSK	3480	Outer_Full	13.00	/	/	<=13	Pass
	3500.01	Outer_Full	10.10	/	/	<=13	Pass
	3519.99	Outer_Full	12.69	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3480	Outer_Full	10.94	/	/	<=13	Pass
	3500.01	Outer_Full	10.77	/	/	<=13	Pass
	3519.99	Outer_Full	12.72	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3480	Outer_Full	10.21	/	/	<=13	Pass
	3500.01	Outer_Full	10.90	/	/	<=13	Pass
	3519.99	Outer_Full	10.91	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3480	Outer_Full	10.36	/	/	<=13	Pass
	3500.01	Outer_Full	10.94	/	/	<=13	Pass
	3519.99	Outer_Full	12.82	/	/	<=13	Pass
CP-OFDM QPSK	3480	Outer_Full	11.47	/	/	<=13	Pass
	3500.01	Outer_Full	11.58	/	/	<=13	Pass
	3519.99	Outer_Full	11.68	/	/	<=13	Pass
CP-OFDM 16 QAM	3480	Outer_Full	11.61	/	/	<=13	Pass
	3500.01	Outer_Full	11.62	/	/	<=13	Pass
	3519.99	Outer_Full	11.75	/	/	<=13	Pass
CP-OFDM 64 QAM	3480	Outer_Full	11.91	/	/	<=13	Pass
	3500.01	Outer_Full	11.80	/	/	<=13	Pass
	3519.99	Outer_Full	11.70	/	/	<=13	Pass
CP-OFDM 256 QAM	3480	Outer_Full	11.80	/	/	<=13	Pass
	3500.01	Outer_Full	11.68	/	/	<=13	Pass
	3519.99	Outer_Full	11.69	/	/	<=13	Pass

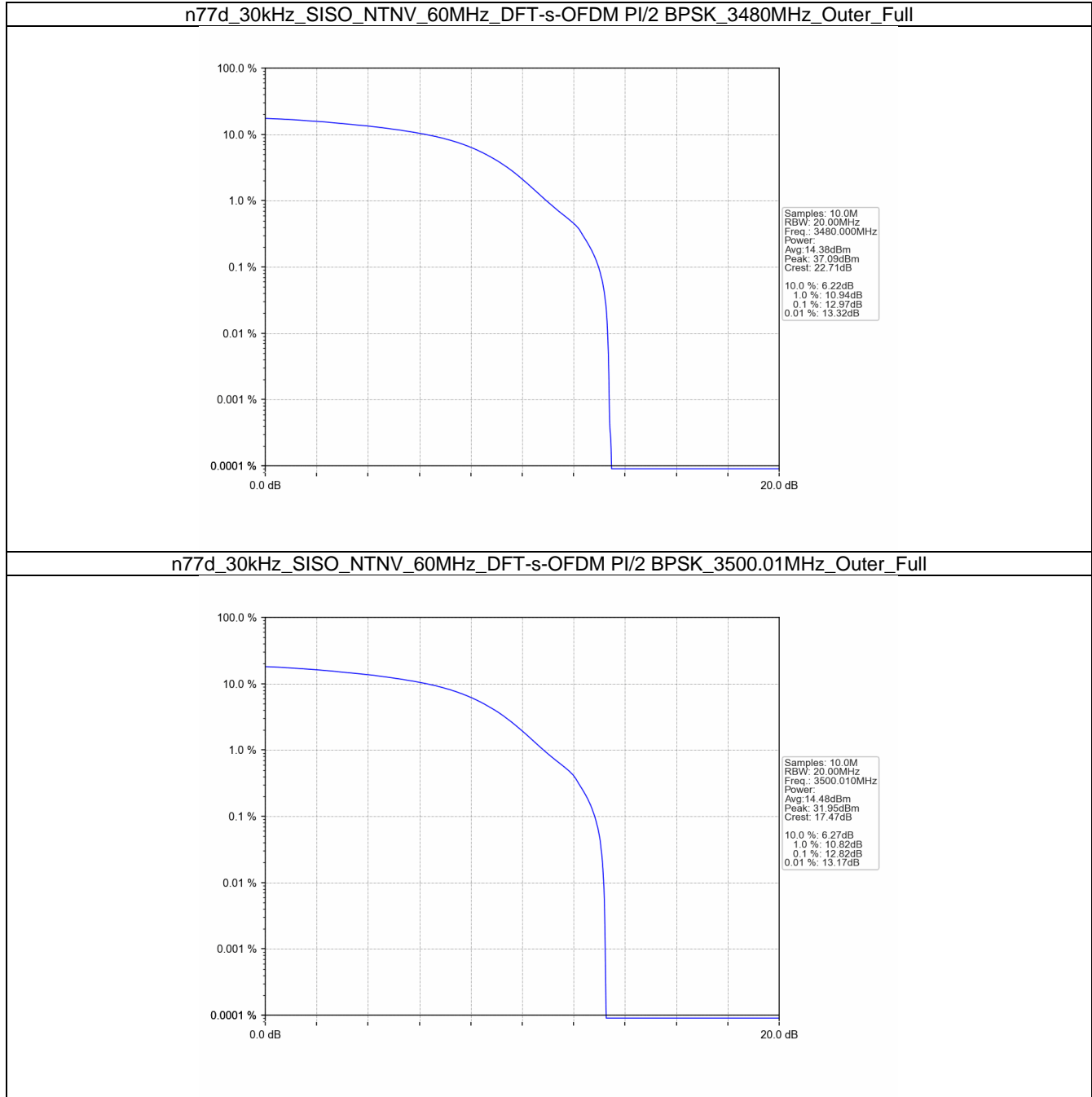


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5.15.2 Test Graph

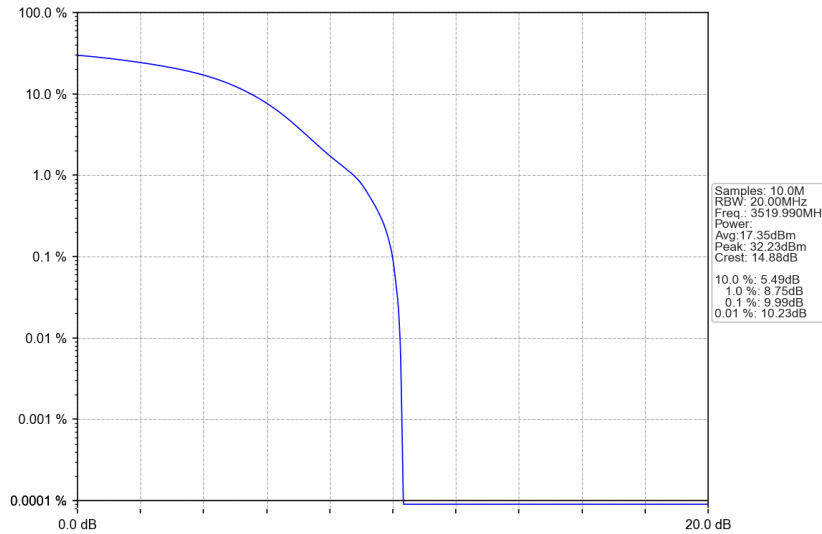


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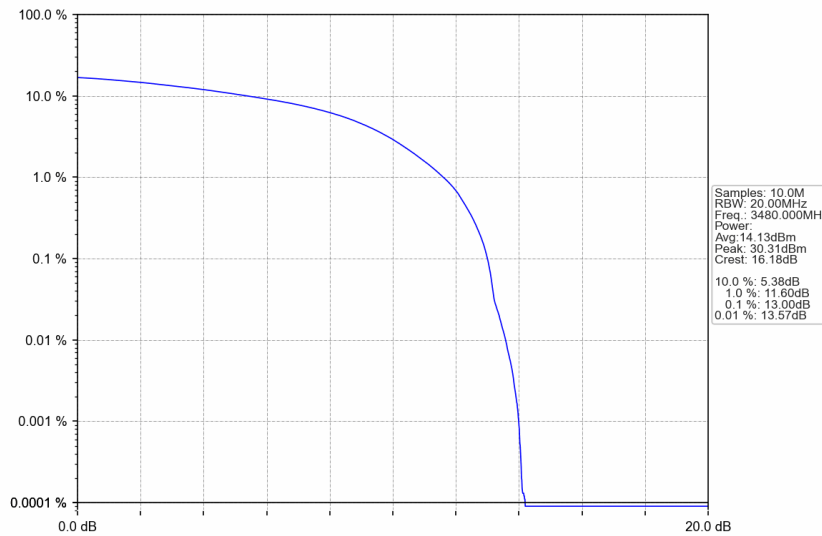
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n77d\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM PI/2 BPSK\_3519.99MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM QPSK\_3480MHz\_Outer\_Full

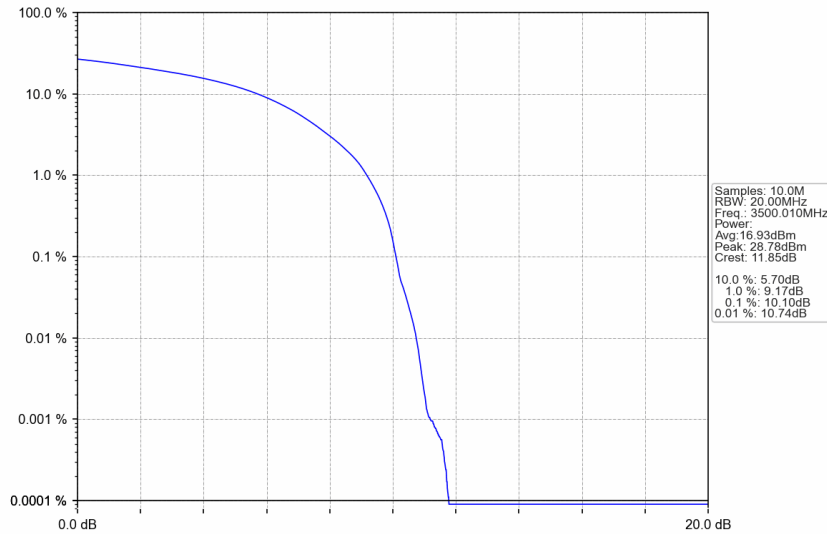


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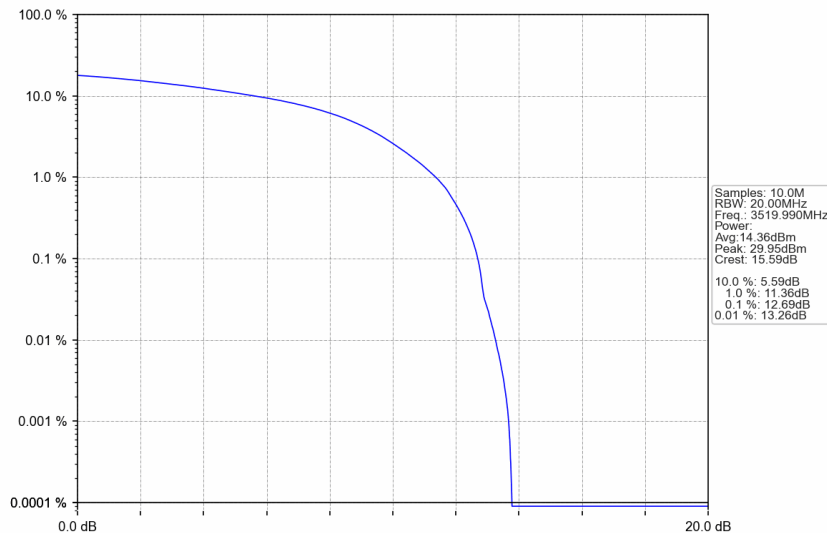
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n77d\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM QPSK\_3500.01MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM QPSK\_3519.99MHz\_Outer\_Full

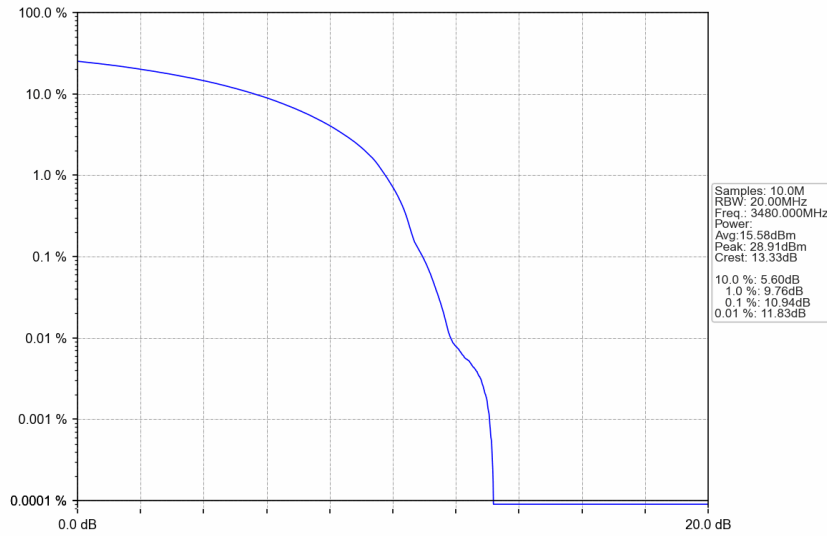


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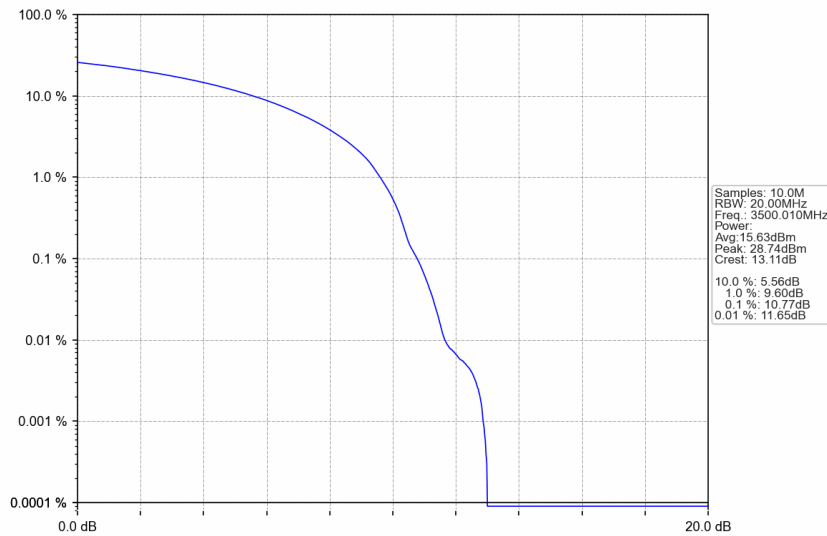
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n77d\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM 16 QAM\_3480MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM 16 QAM\_3500.01MHz\_Outer\_Full



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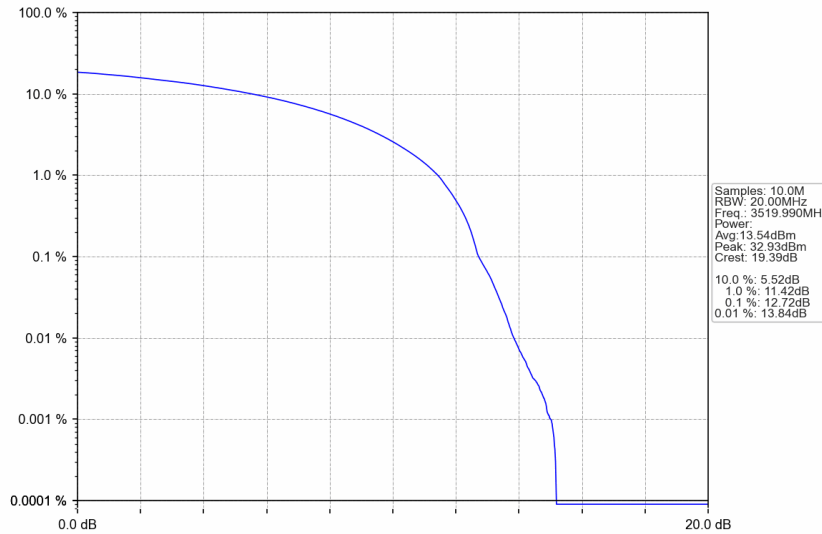


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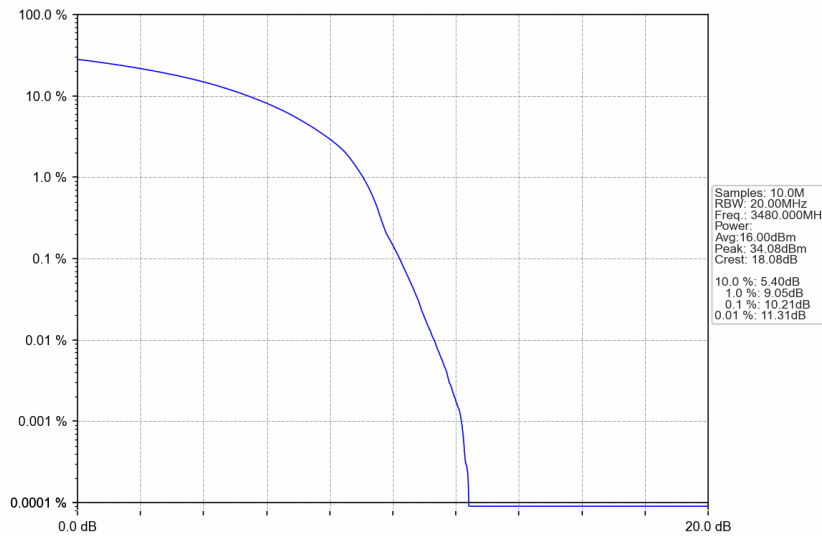
Rev.: 01

Page: 636 of 1237

n77d\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM 16 QAM\_3519.99MHz\_Outer\_Full



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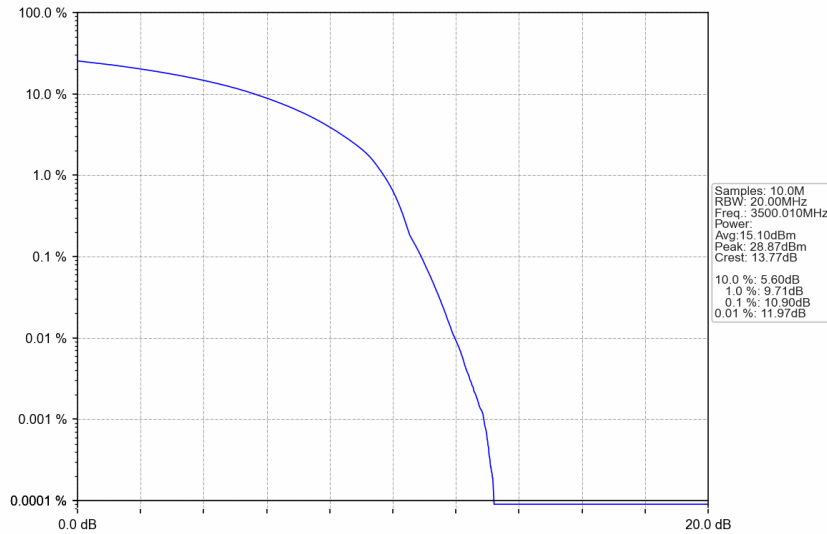
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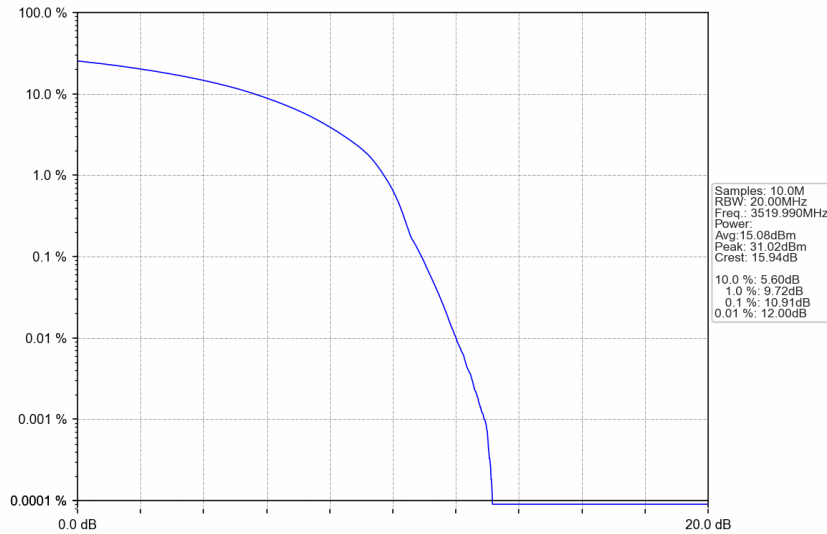
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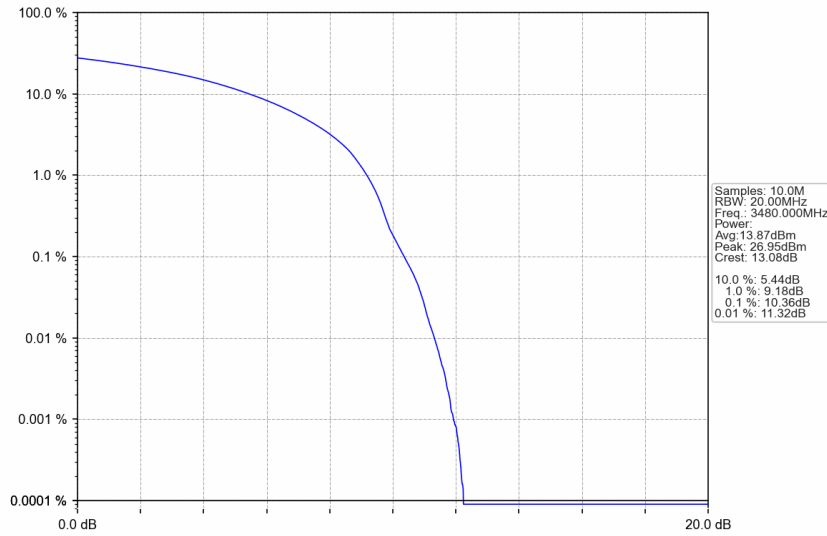
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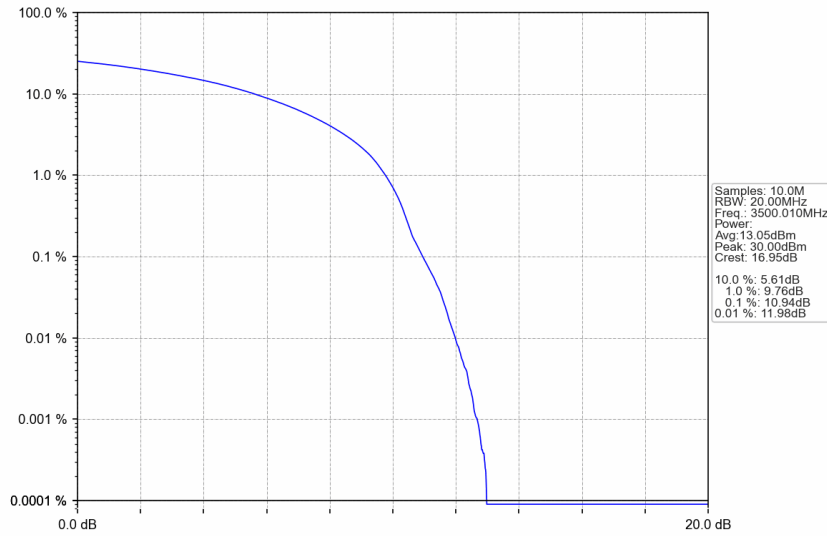
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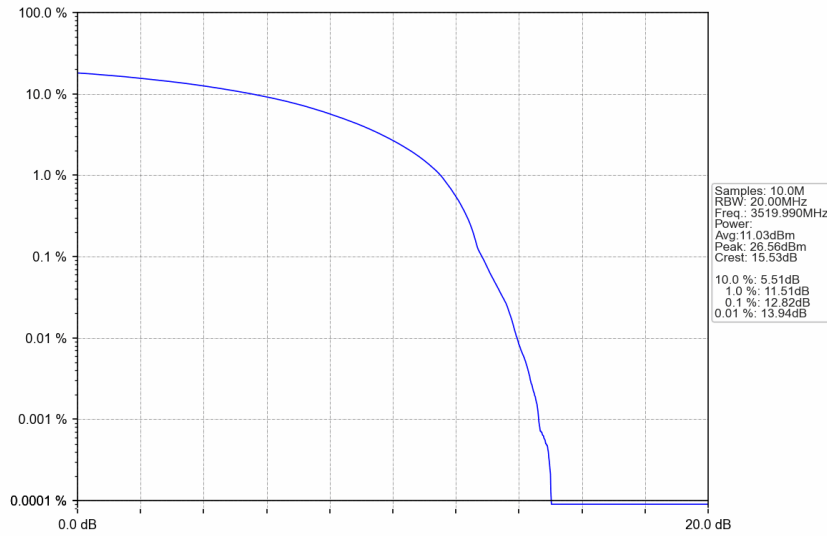


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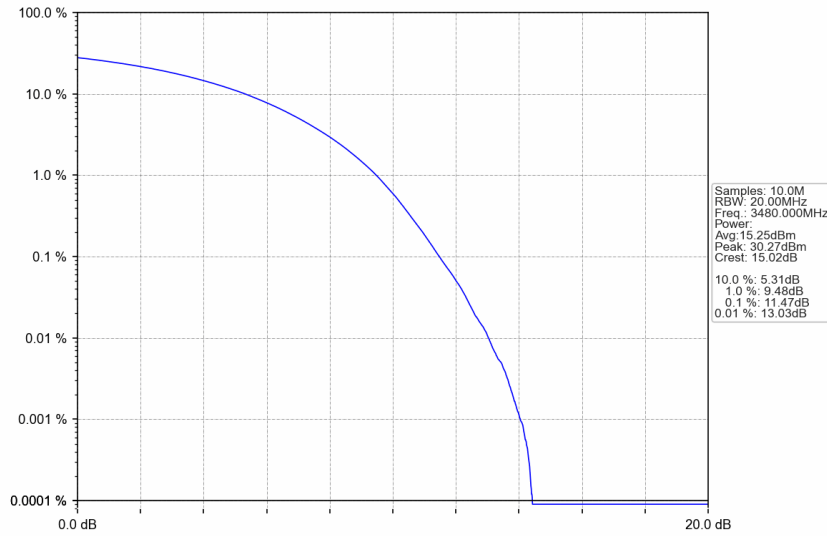
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n77d\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM 256 QAM\_3519.99MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM QPSK\_3480MHz\_Outer\_Full

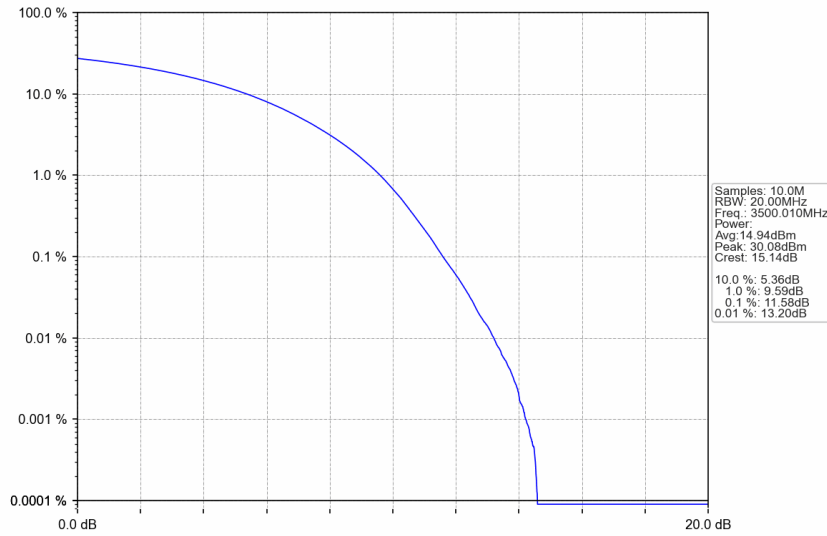


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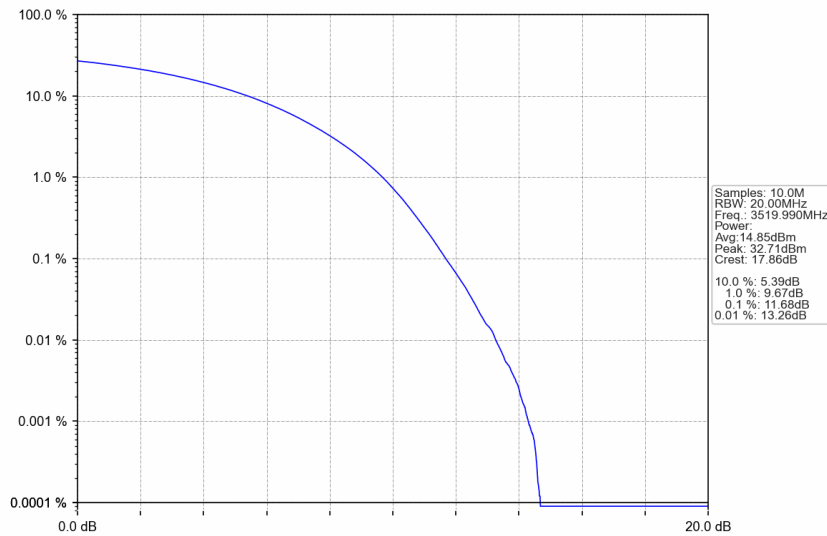
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n77d\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM QPSK\_3519.99MHz\_Outer\_Full

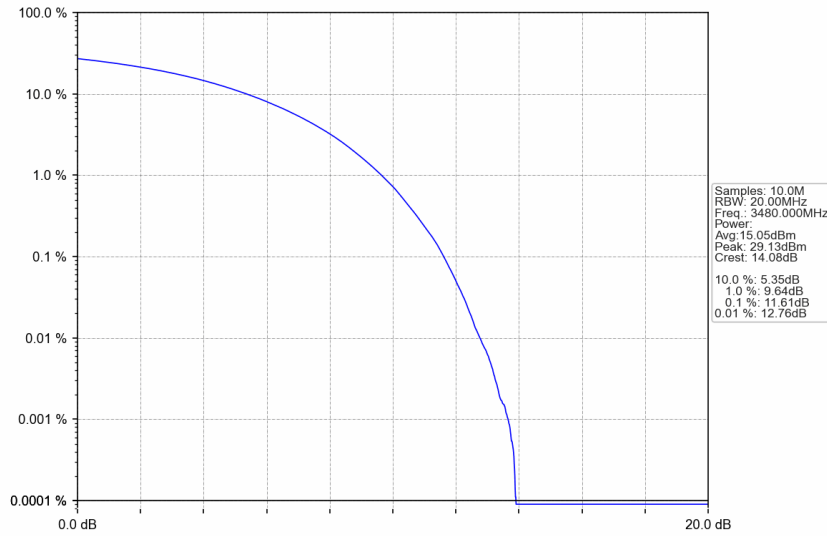


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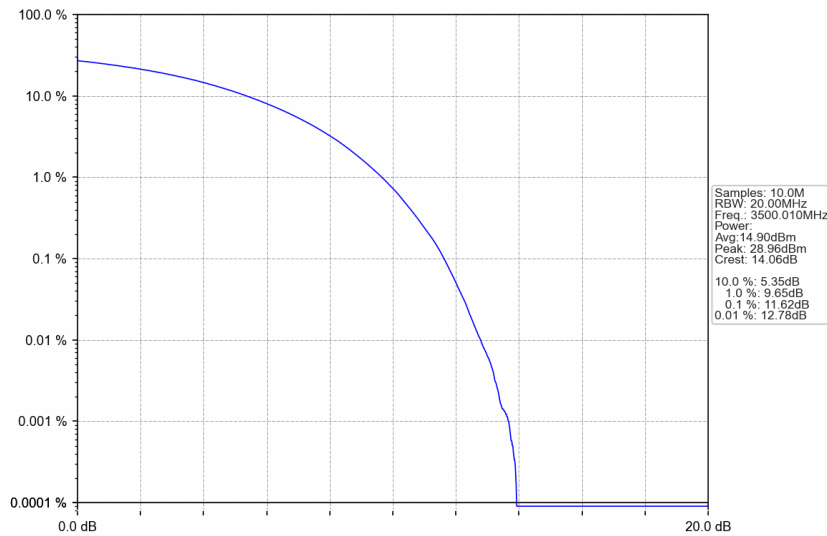
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n77d\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM 16 QAM\_3480MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM 16 QAM\_3500.01MHz\_Outer\_Full

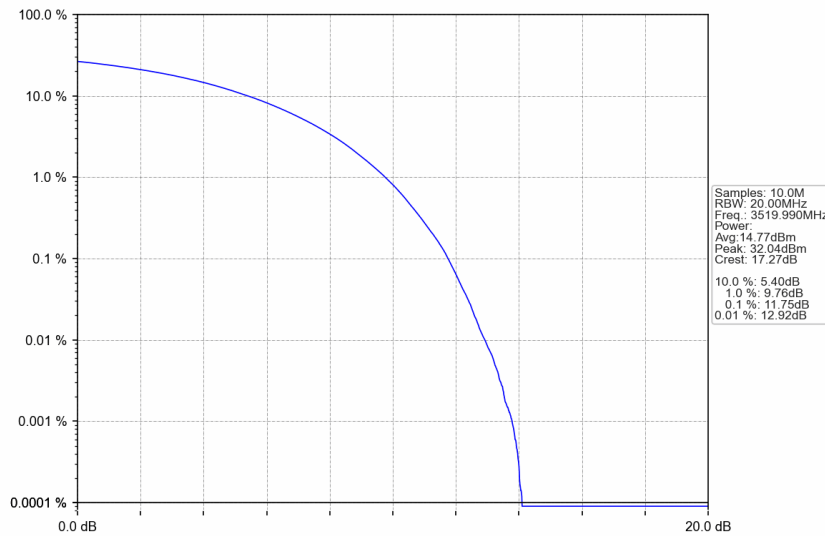


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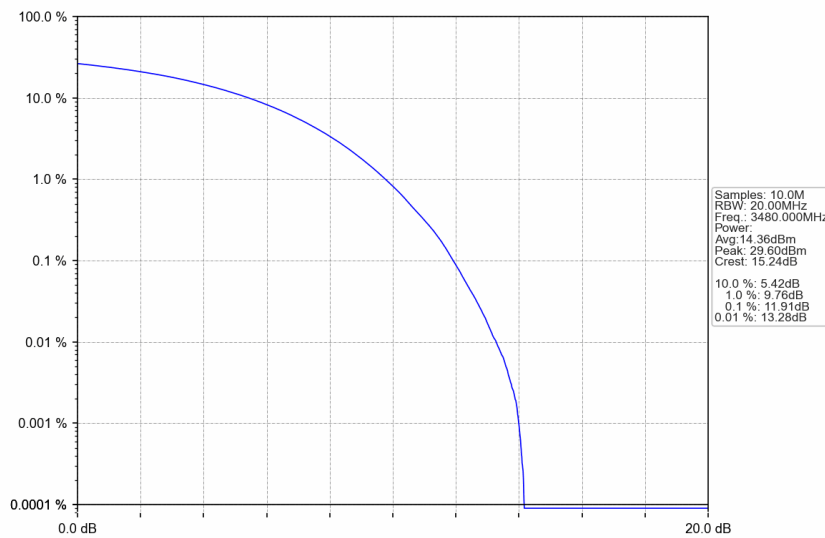
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n77d\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM 16 QAM\_3519.99MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM 64 QAM\_3480MHz\_Outer\_Full



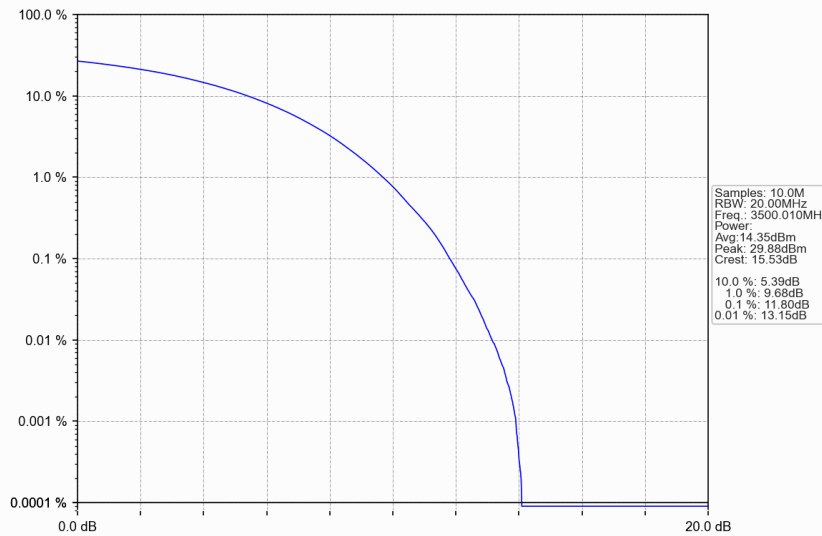
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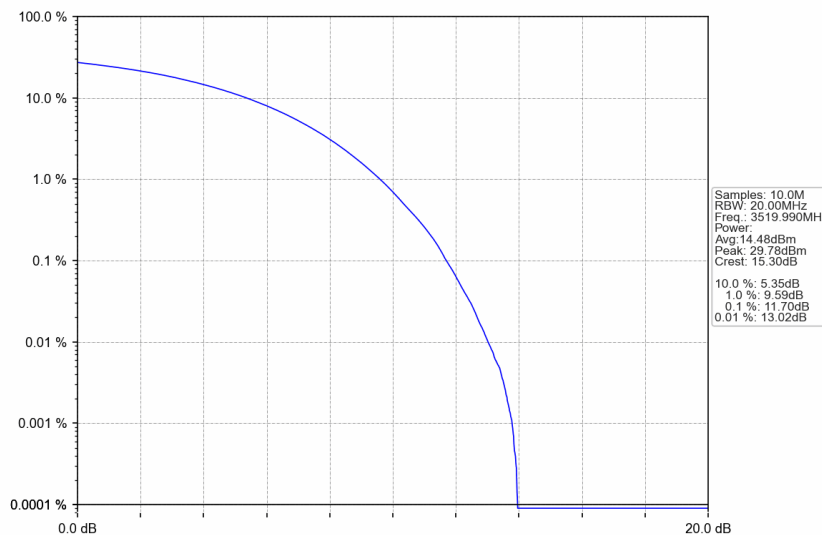
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n77d\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM 64 QAM\_3500.01MHz\_Outer\_Full



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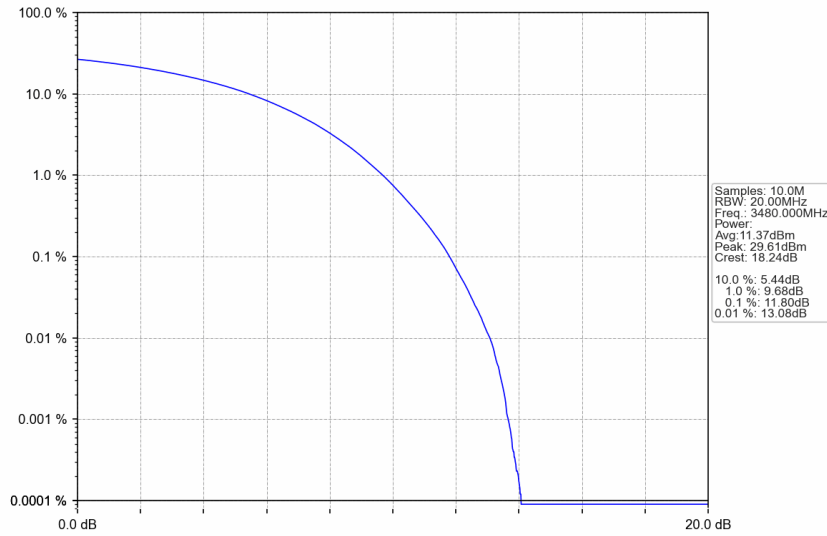


Report No.: SEWM2311000456RG02

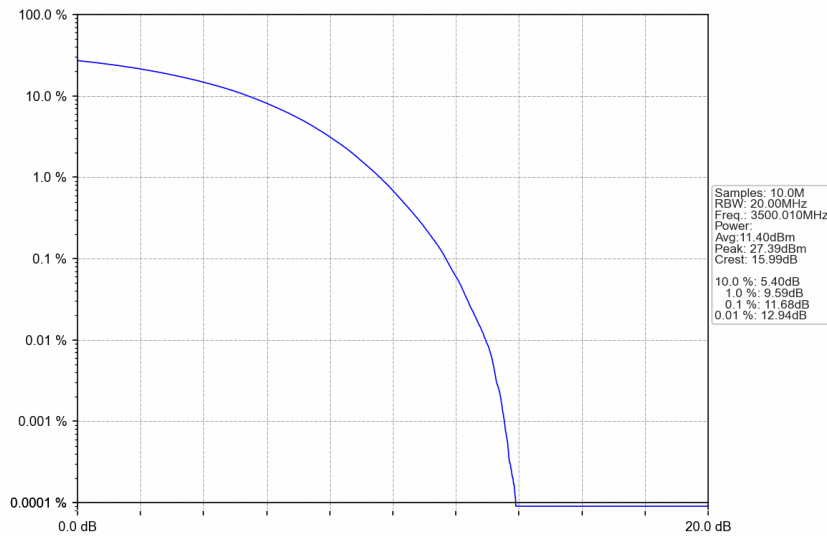
Rev.: 01

Page: 644 of 1237

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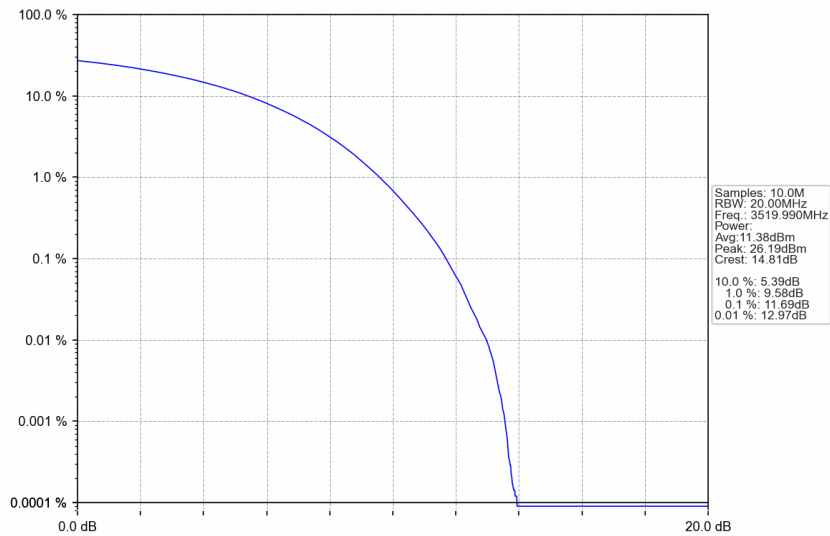


Report No.: SEWM2311000456RG02

Rev.: 01

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5.16 30k\_SISO\_70MHz\_NTNV

5.16.1 Test Result

5G NR n77d SCS=30kHz SISO 70MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3485.01	Outer_Full	11.89	/	/	<=13	Pass
	3500.01	Outer_Full	11.08	/	/	<=13	Pass
	3514.98	Outer_Full	11.33	/	/	<=13	Pass
DFT-s-OFDM QPSK	3485.01	Outer_Full	12.70	/	/	<=13	Pass
	3500.01	Outer_Full	12.85	/	/	<=13	Pass
	3514.98	Outer_Full	12.93	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3485.01	Outer_Full	11.06	/	/	<=13	Pass
	3500.01	Outer_Full	10.78	/	/	<=13	Pass
	3514.98	Outer_Full	10.70	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3485.01	Outer_Full	10.34	/	/	<=13	Pass
	3500.01	Outer_Full	10.19	/	/	<=13	Pass
	3514.98	Outer_Full	11.01	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3485.01	Outer_Full	10.80	/	/	<=13	Pass
	3500.01	Outer_Full	10.61	/	/	<=13	Pass
	3514.98	Outer_Full	10.75	/	/	<=13	Pass
CP-OFDM QPSK	3485.01	Outer_Full	11.87	/	/	<=13	Pass
	3500.01	Outer_Full	11.81	/	/	<=13	Pass
	3514.98	Outer_Full	11.60	/	/	<=13	Pass
CP-OFDM 16 QAM	3485.01	Outer_Full	11.63	/	/	<=13	Pass
	3500.01	Outer_Full	11.67	/	/	<=13	Pass
	3514.98	Outer_Full	11.53	/	/	<=13	Pass
CP-OFDM 64 QAM	3485.01	Outer_Full	11.60	/	/	<=13	Pass
	3500.01	Outer_Full	11.82	/	/	<=13	Pass
	3514.98	Outer_Full	11.71	/	/	<=13	Pass
CP-OFDM 256 QAM	3485.01	Outer_Full	11.54	/	/	<=13	Pass
	3500.01	Outer_Full	11.67	/	/	<=13	Pass
	3514.98	Outer_Full	11.65	/	/	<=13	Pass

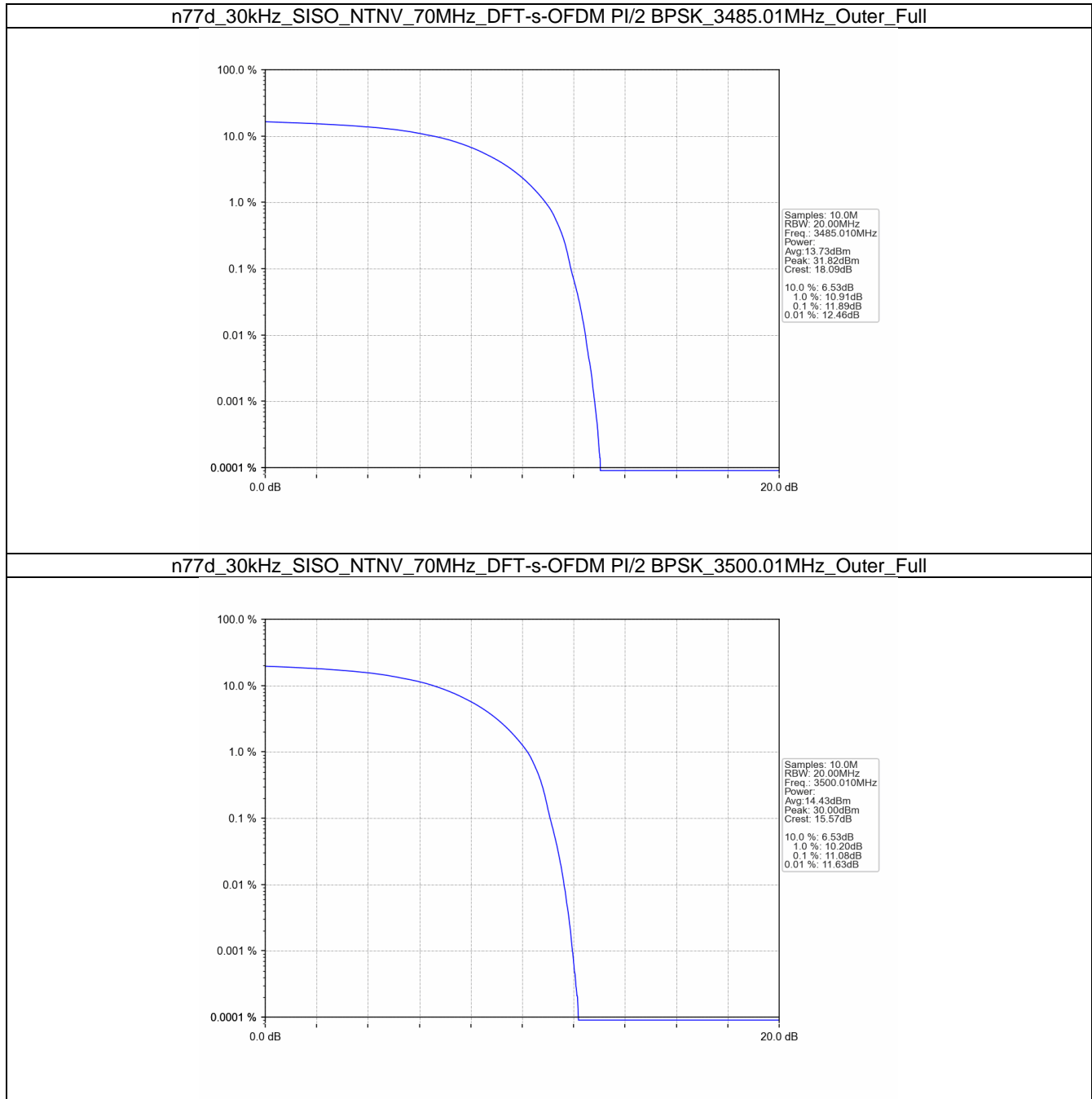


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5.16.2 Test Graph

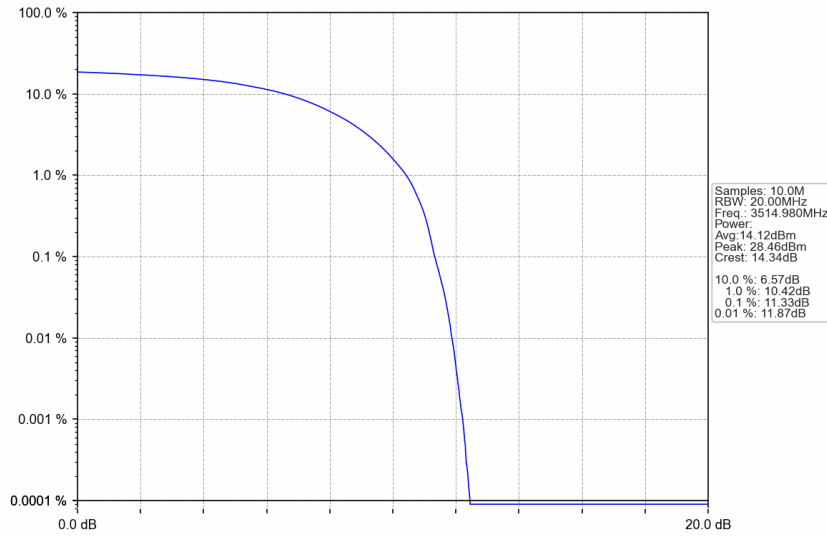


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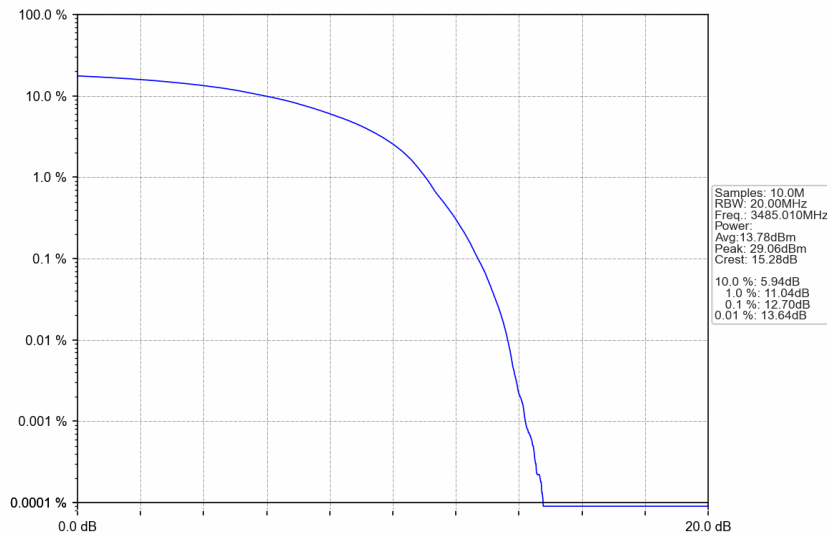
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n77d\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM QPSK\_3485.01MHz\_Outer\_Full

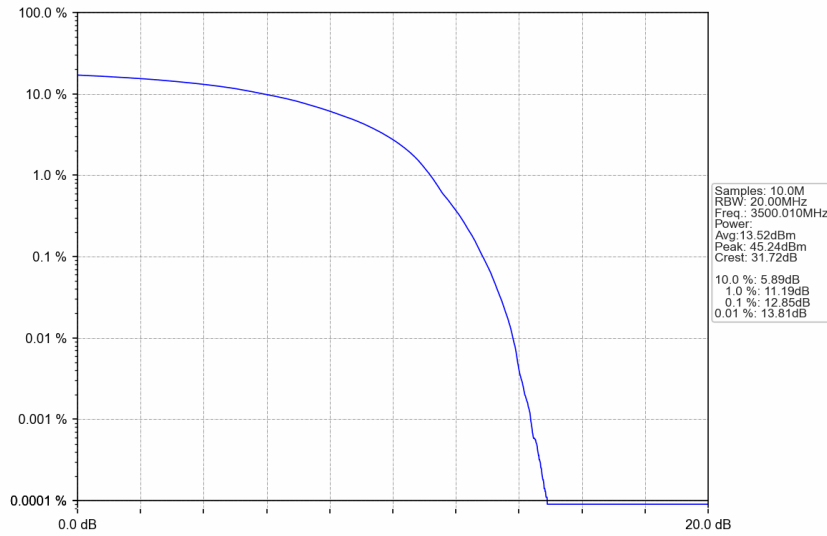


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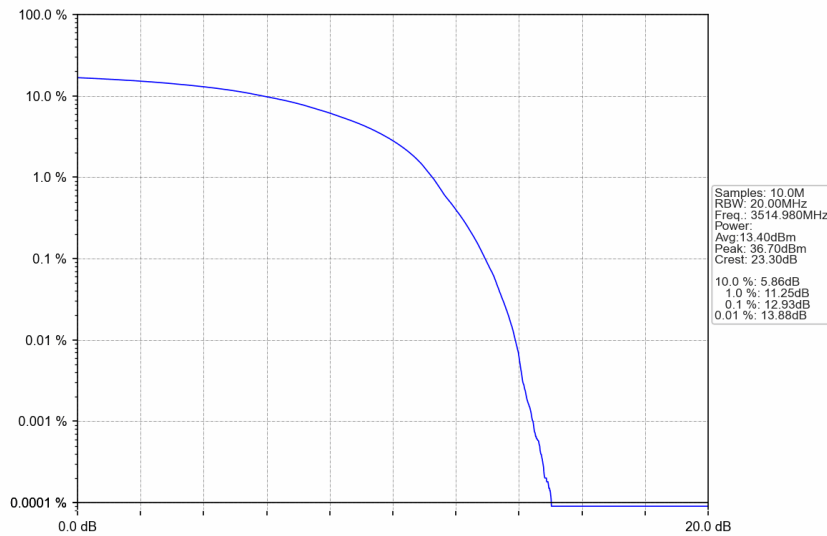
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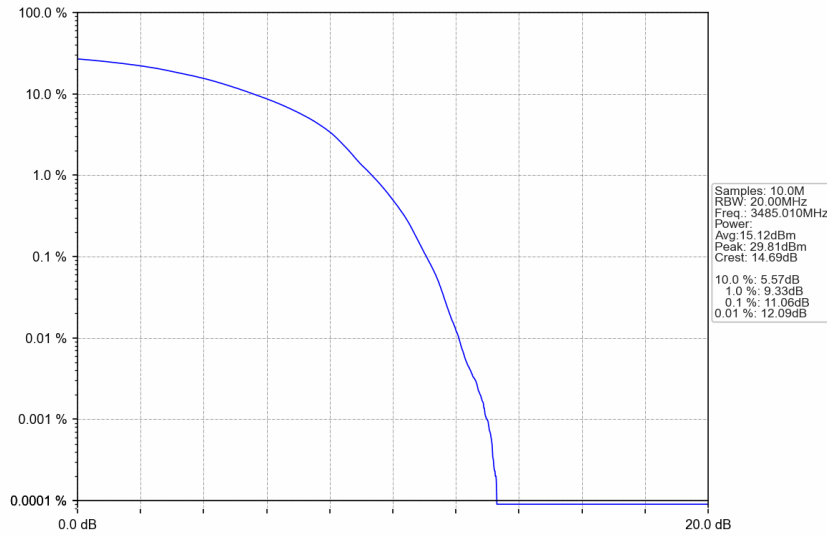


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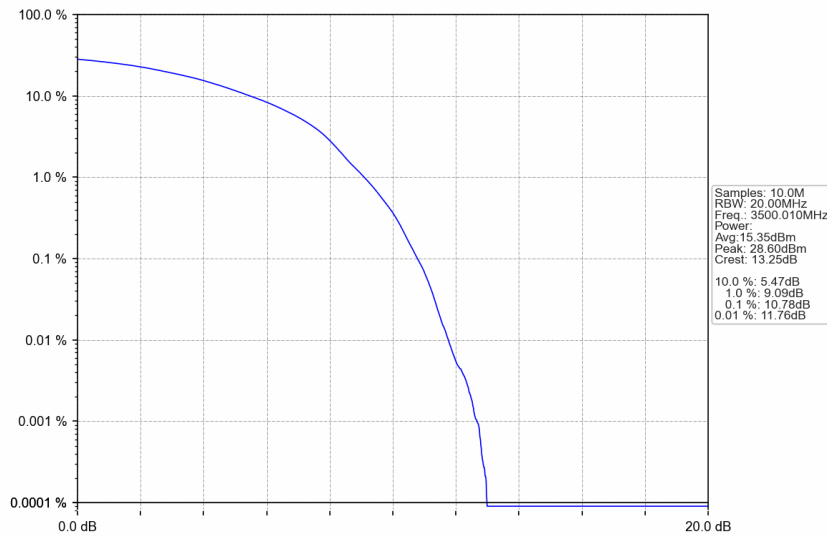
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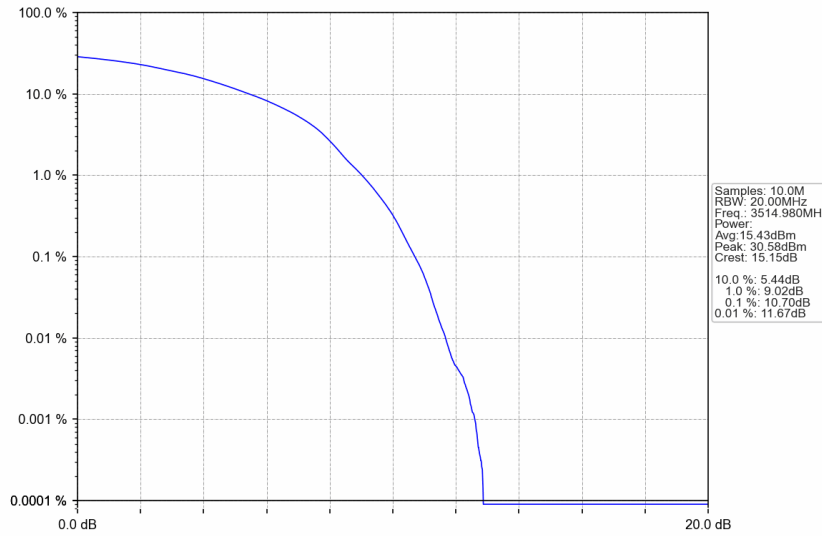


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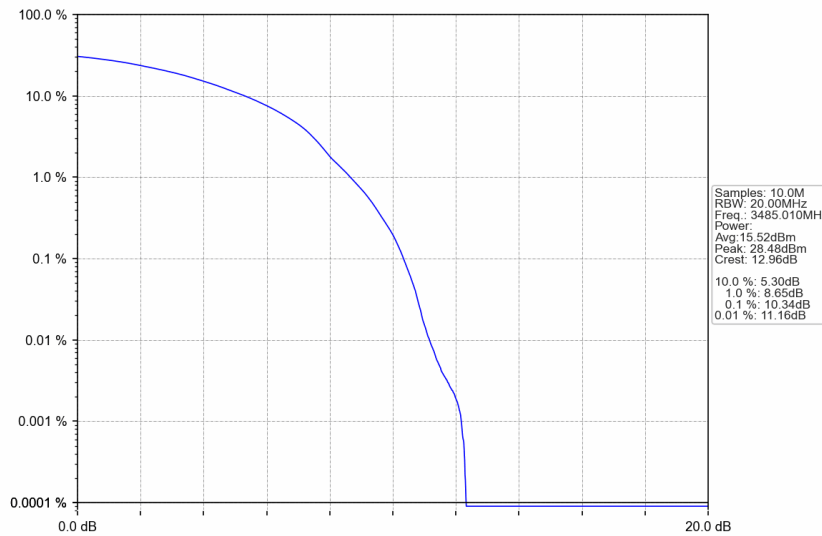
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n77d\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM 16 QAM\_3514.98MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM 64 QAM\_3485.01MHz\_Outer\_Full



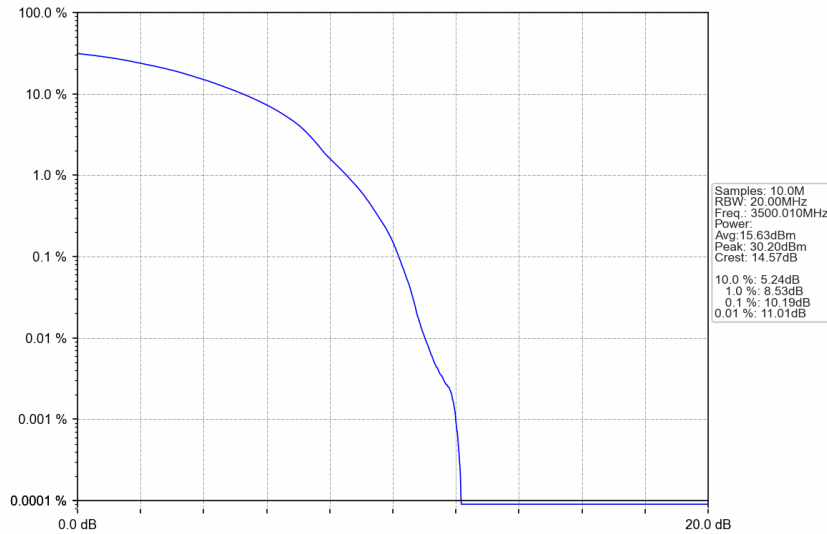
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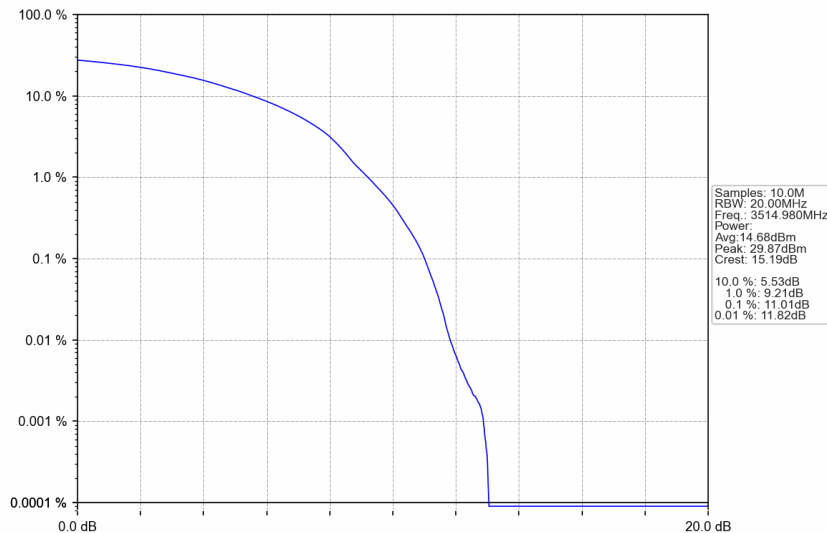
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n77d\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM 64 QAM\_3500.01MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM 64 QAM\_3514.98MHz\_Outer\_Full



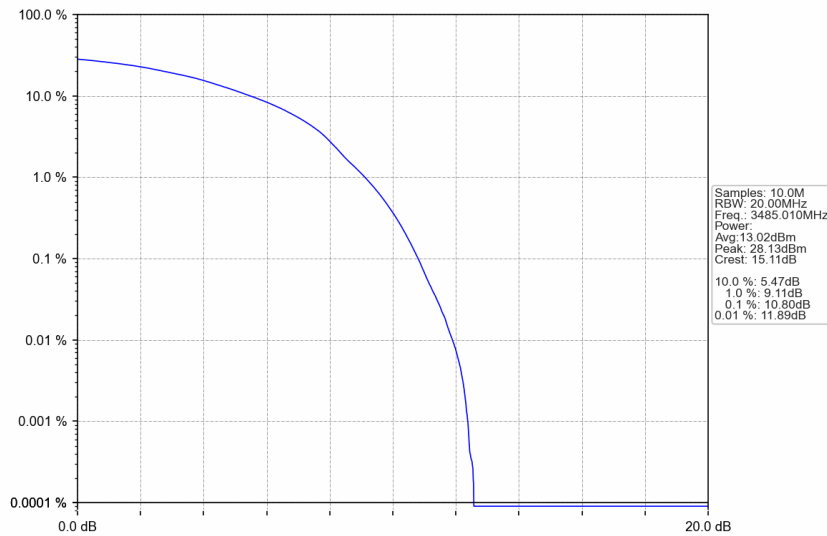
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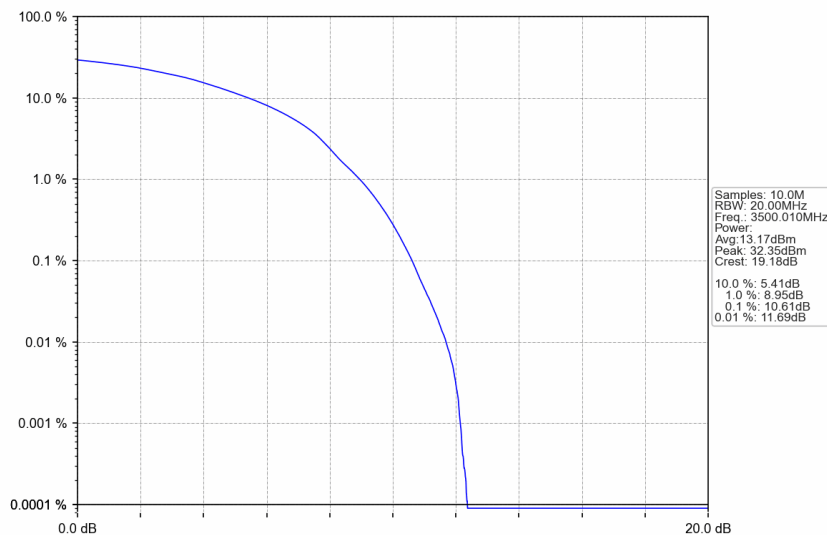
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n77d\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM 256 QAM\_3485.01MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM 256 QAM\_3500.01MHz\_Outer\_Full

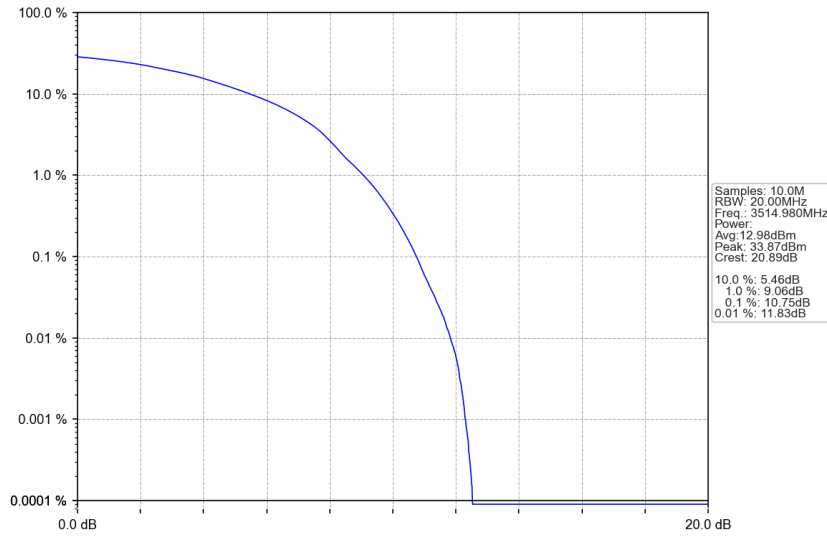


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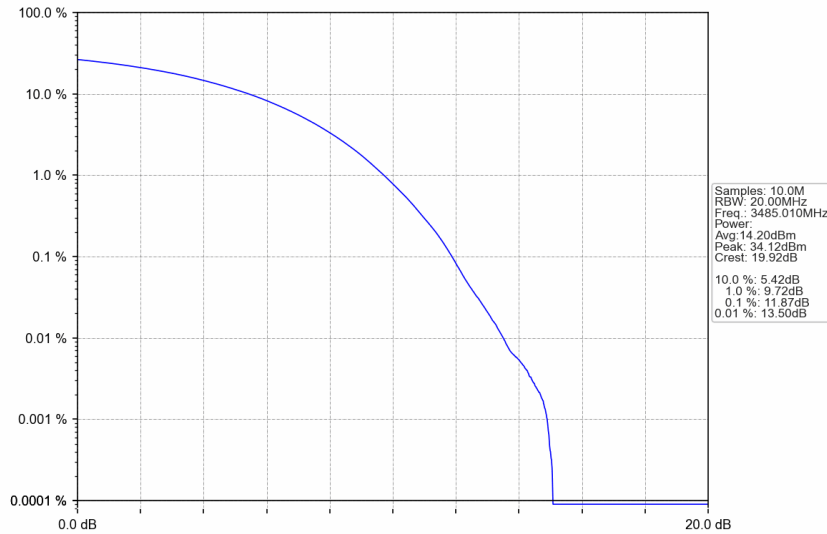
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n77d\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM 256 QAM\_3514.98MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM QPSK\_3485.01MHz\_Outer\_Full

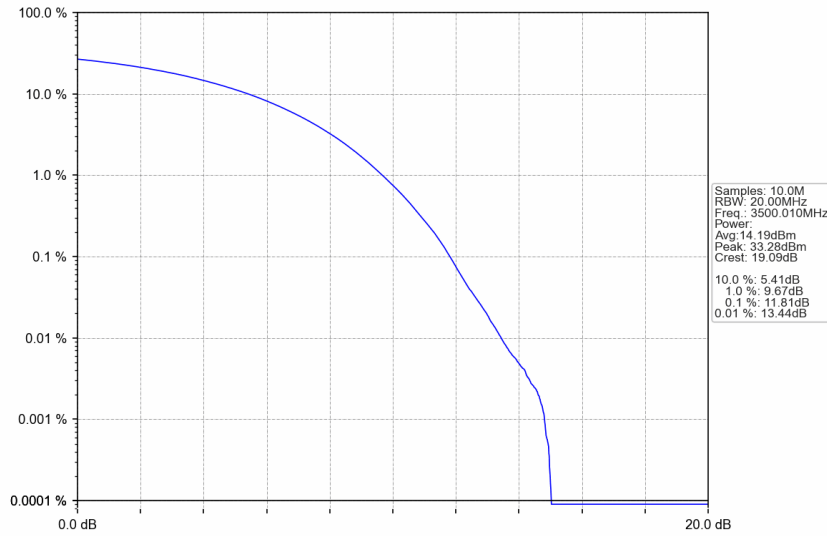


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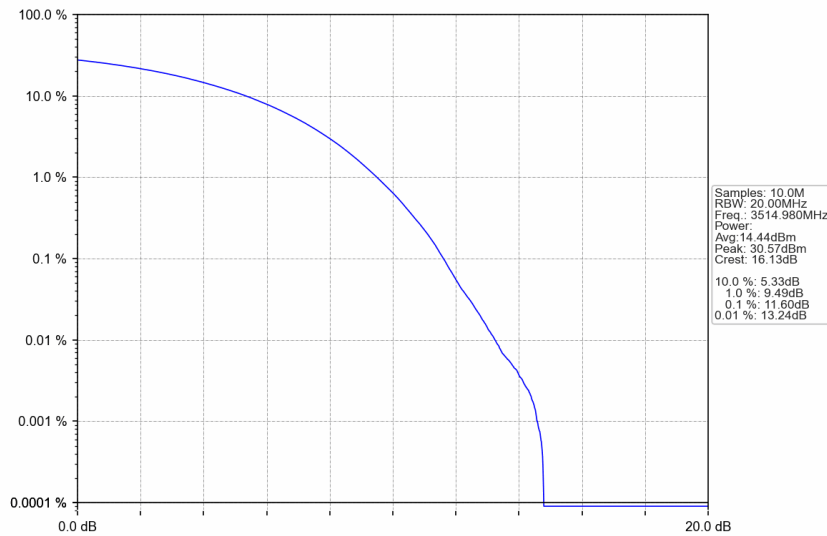
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n77d\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM QPSK\_3500.01MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM QPSK\_3514.98MHz\_Outer\_Full

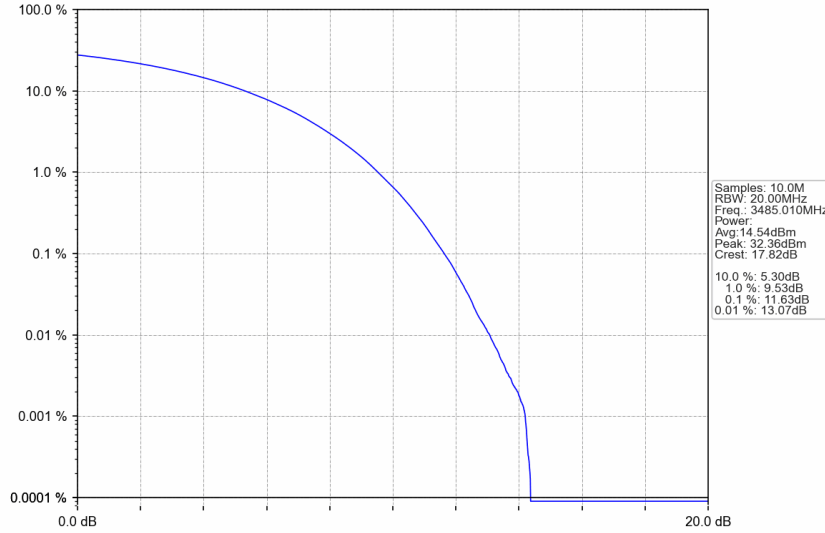


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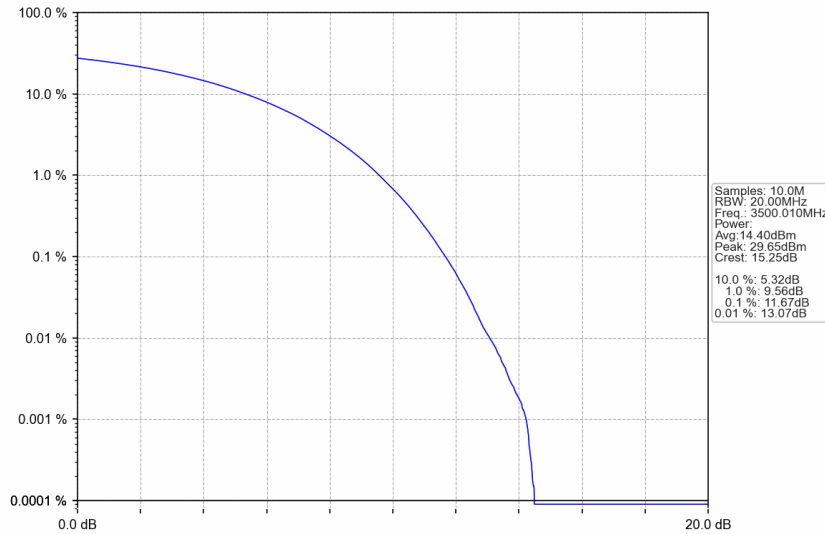
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n77d\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 16 QAM\_3485.01MHz\_Outer\_Full



n77d\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 16 QAM\_3500.01MHz\_Outer\_Full



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