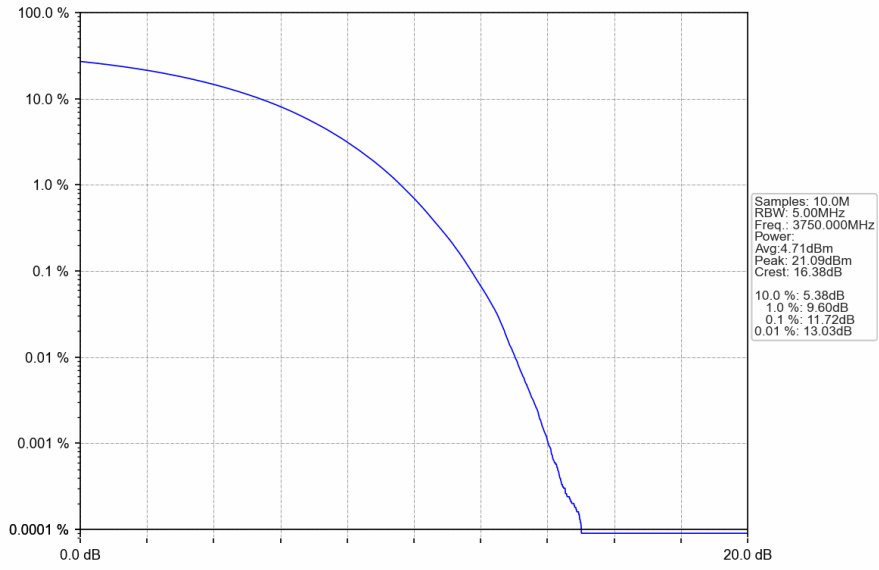
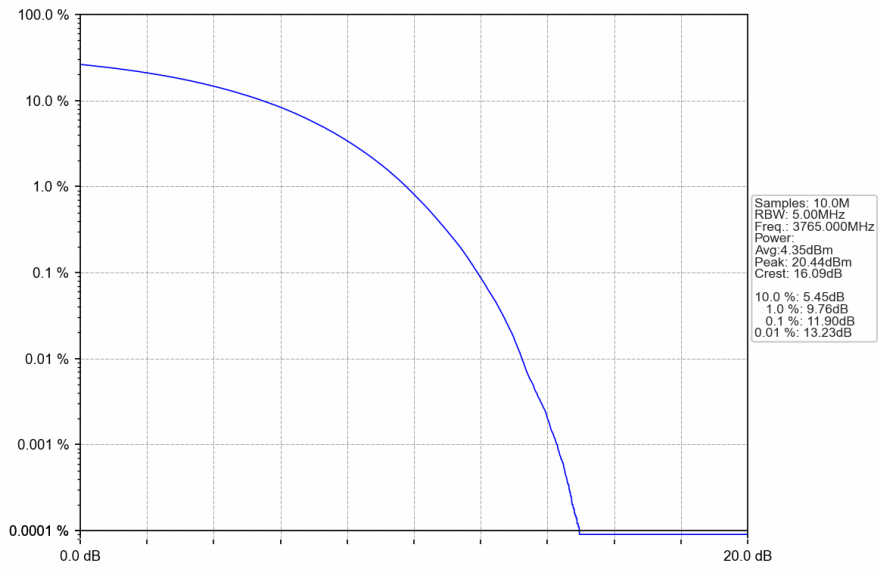


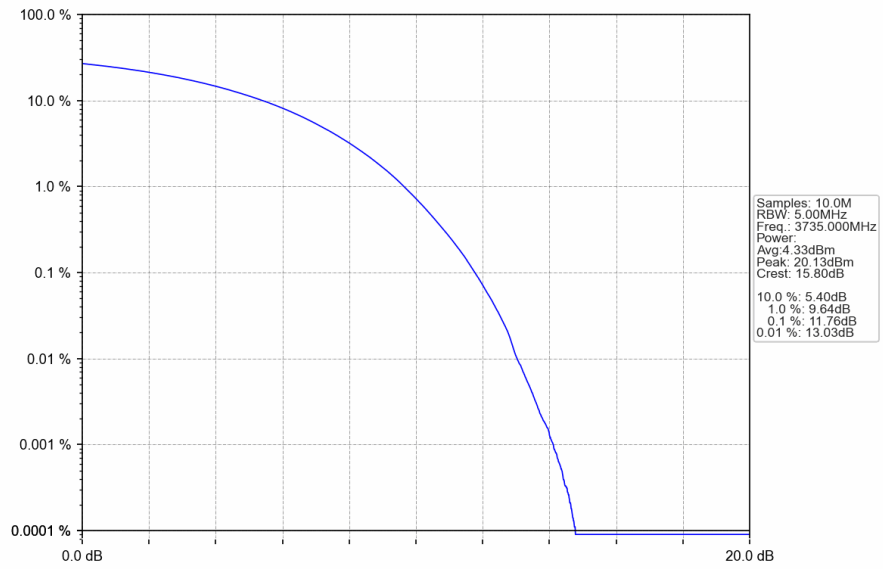
n78a\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM QPSK\_3750MHz\_Outer\_Full



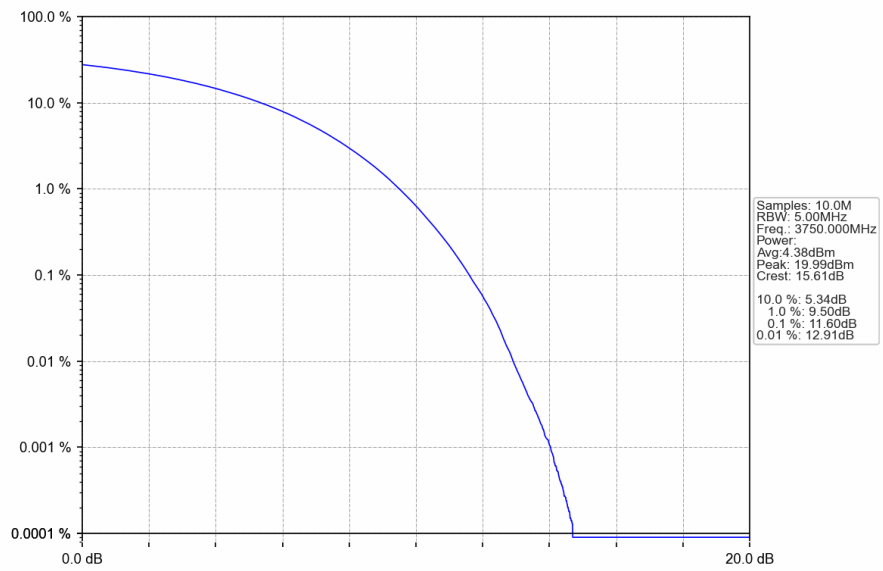
n78a\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM QPSK\_3765MHz\_Outer\_Full



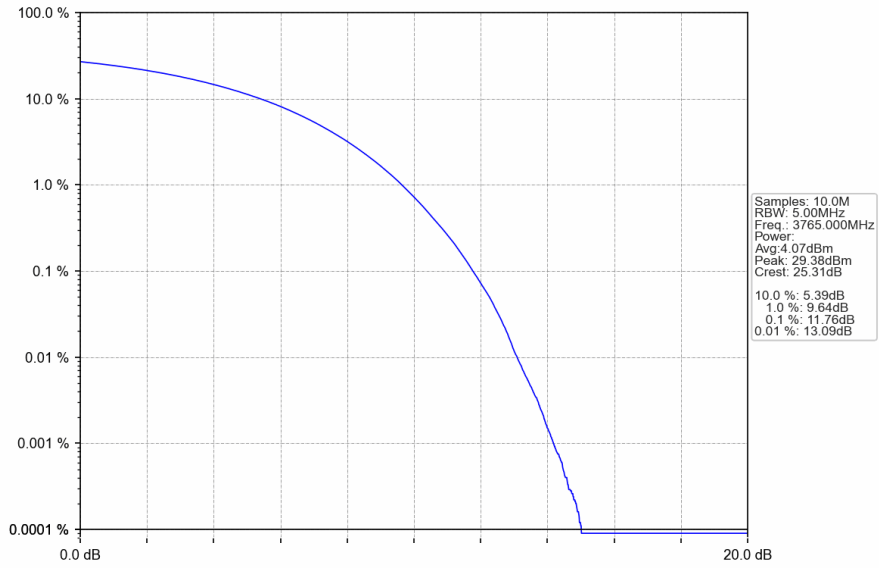
n78a\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 64 QAM\_3735MHz\_Outer\_Full



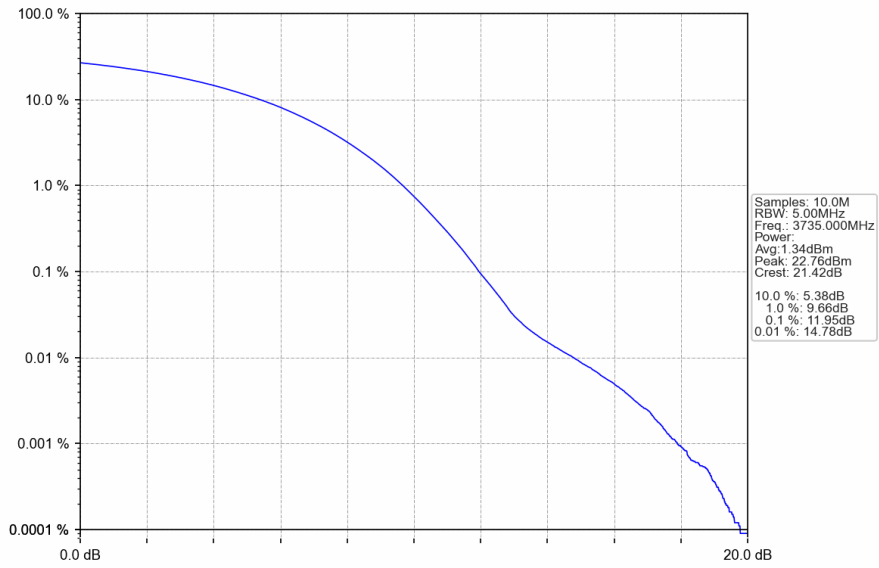
n78a\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 64 QAM\_3750MHz\_Outer\_Full



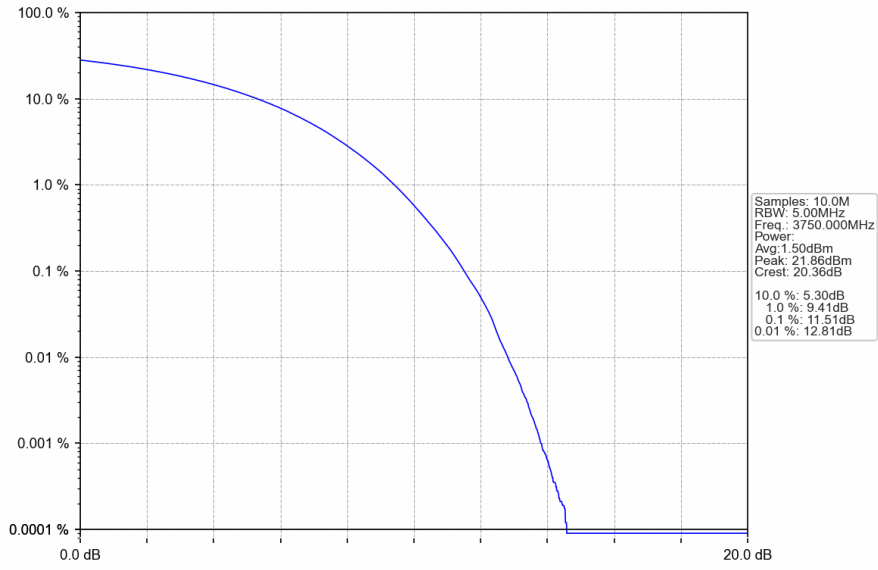
n78a\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 64 QAM\_3765MHz\_Outer\_Full



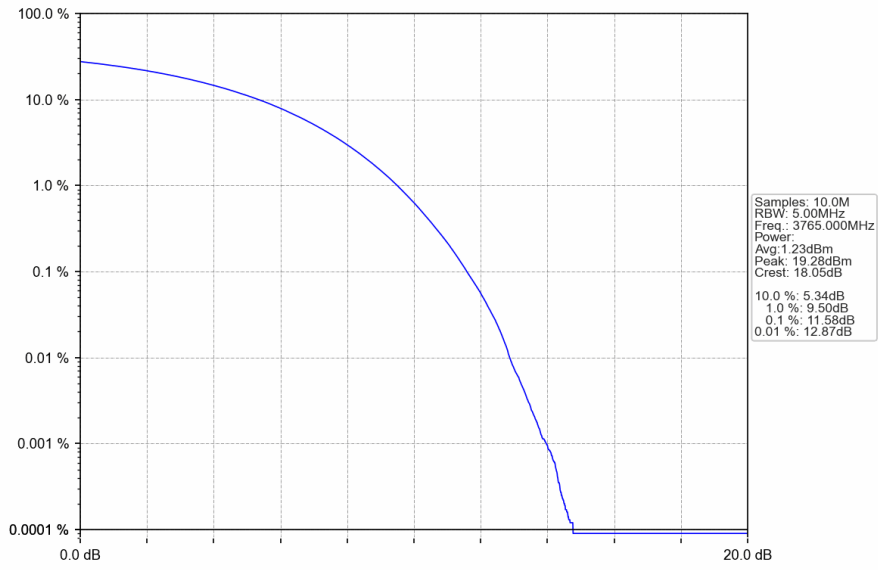
n78a\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_3735MHz\_Outer\_Full



n78a\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_3750MHz\_Outer\_Full



n78a\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 256 QAM\_3765MHz\_Outer\_Full



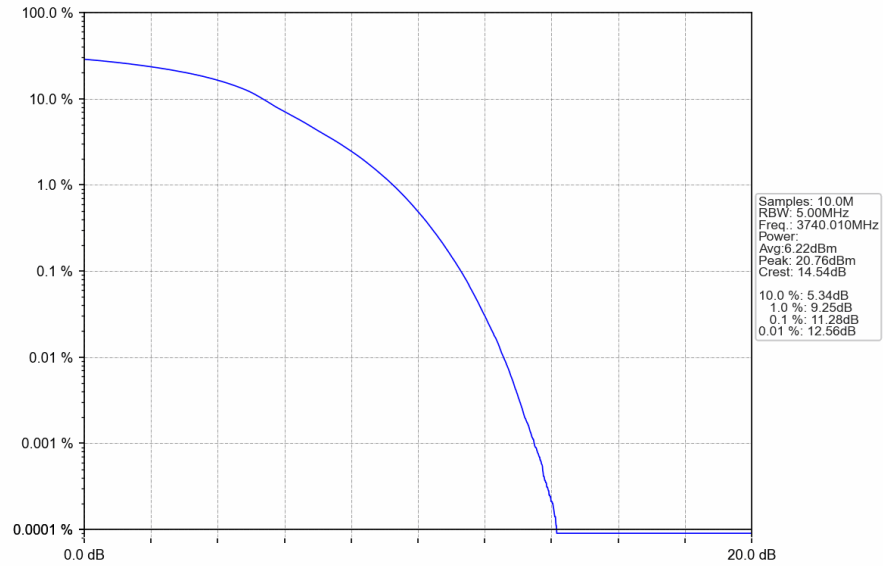
## 1.7 30k\_SISO\_80MHz\_NTNV

### 1.7.1 Test Result

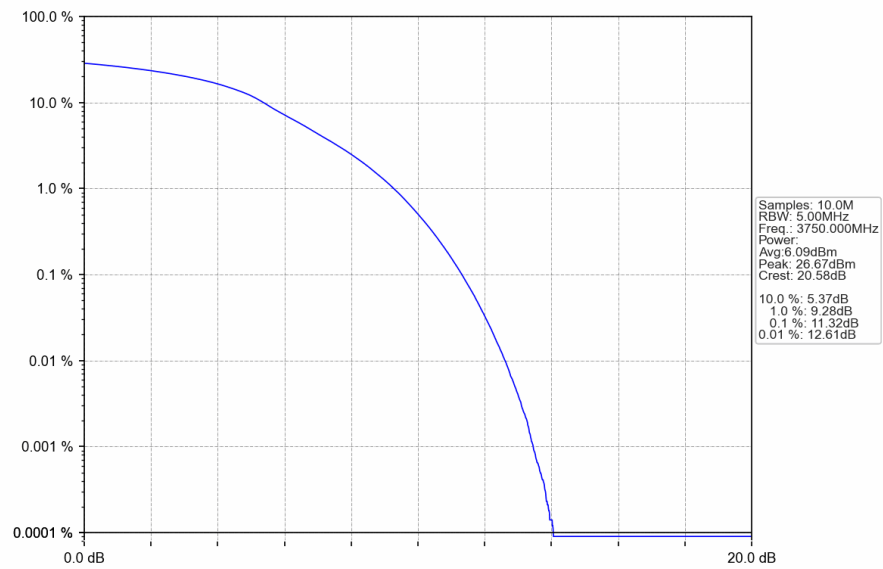
5G NR n78a SCS=30kHz SISO 80MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3740.01	Outer_Full	11.28	/	/	<=13	Pass
	3750	Outer_Full	11.32	/	/	<=13	Pass
	3759.99	Outer_Full	11.14	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3740.01	Outer_Full	11.57	/	/	<=13	Pass
	3750	Outer_Full	11.46	/	/	<=13	Pass
	3759.99	Outer_Full	11.51	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3740.01	Outer_Full	11.42	/	/	<=13	Pass
	3750	Outer_Full	11.30	/	/	<=13	Pass
	3759.99	Outer_Full	11.44	/	/	<=13	Pass
CP-OFDM QPSK	3740.01	Outer_Full	11.68	/	/	<=13	Pass
	3750	Outer_Full	11.67	/	/	<=13	Pass
	3759.99	Outer_Full	11.80	/	/	<=13	Pass
CP-OFDM 64 QAM	3740.01	Outer_Full	11.65	/	/	<=13	Pass
	3750	Outer_Full	11.82	/	/	<=13	Pass
	3759.99	Outer_Full	11.67	/	/	<=13	Pass
CP-OFDM 256 QAM	3740.01	Outer_Full	11.78	/	/	<=13	Pass
	3750	Outer_Full	11.62	/	/	<=13	Pass
	3759.99	Outer_Full	11.80	/	/	<=13	Pass

## 1.7.2 Test Graph

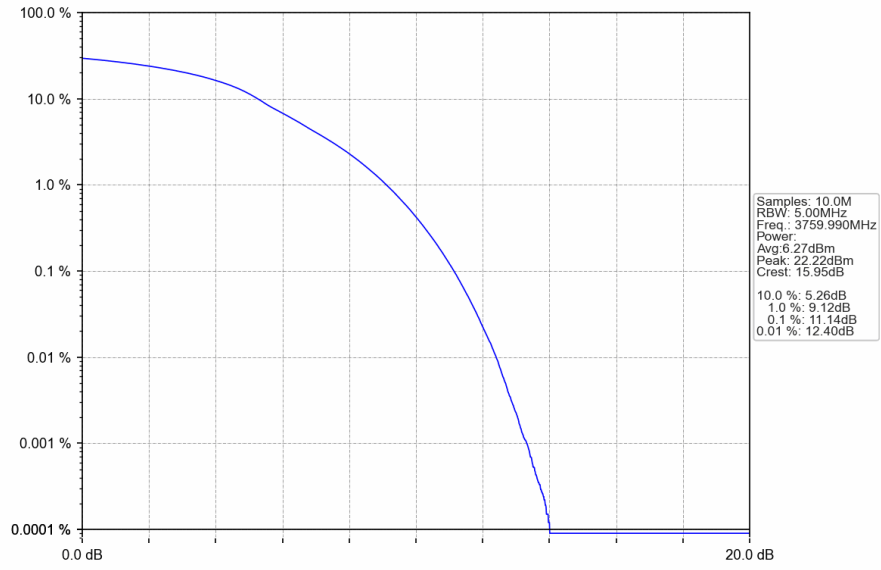
n78a\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM QPSK\_3740.01MHz\_Outer\_Full



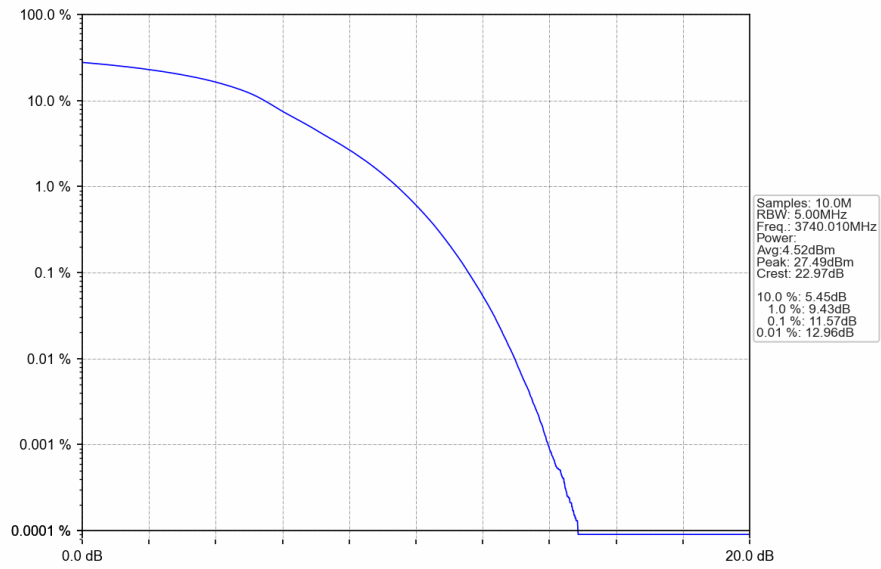
n78a\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM QPSK\_3750MHz\_Outer\_Full



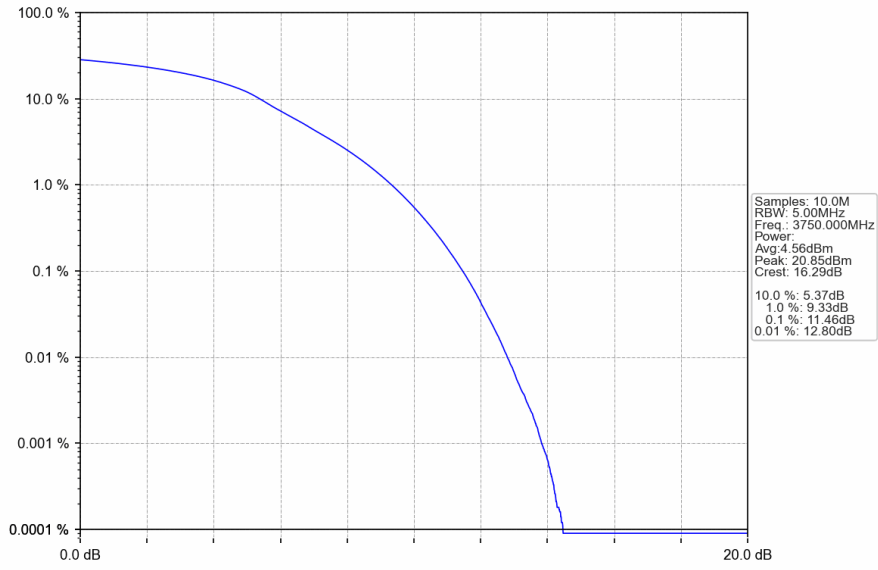
n78a\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM QPSK\_3759.99MHz\_Outer\_Full



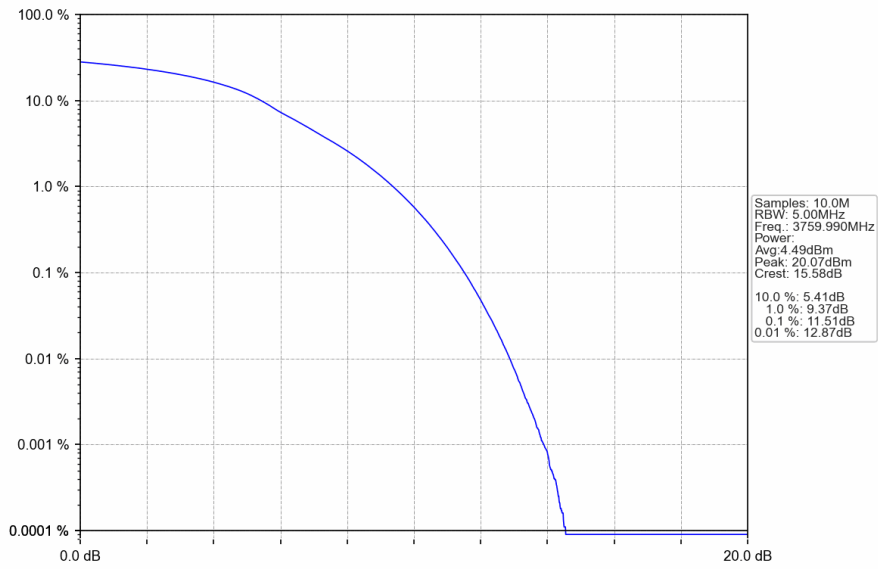
n78a\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM 64 QAM\_3740.01MHz\_Outer\_Full



n78a\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM\_64\_QAM\_3750MHz\_Outer\_Full

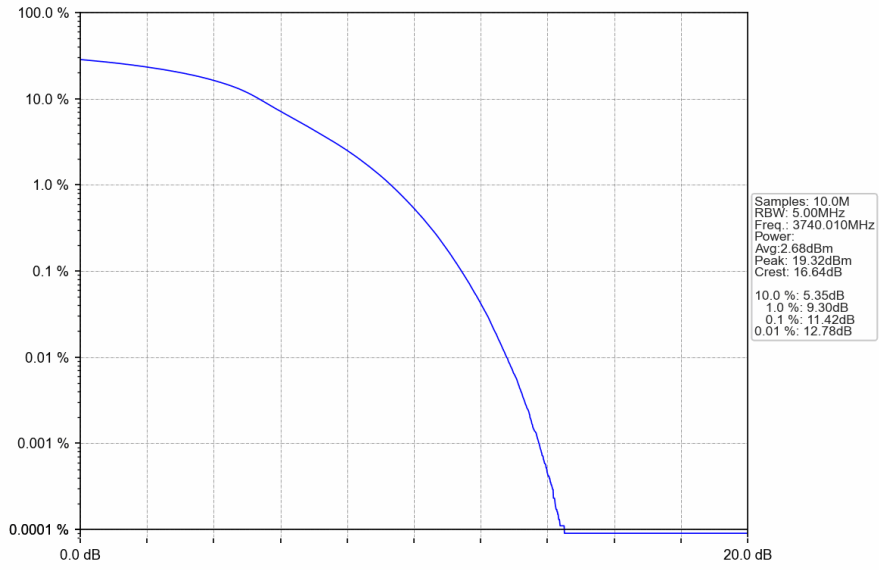


n78a\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM\_64\_QAM\_3759.99MHz\_Outer\_Full

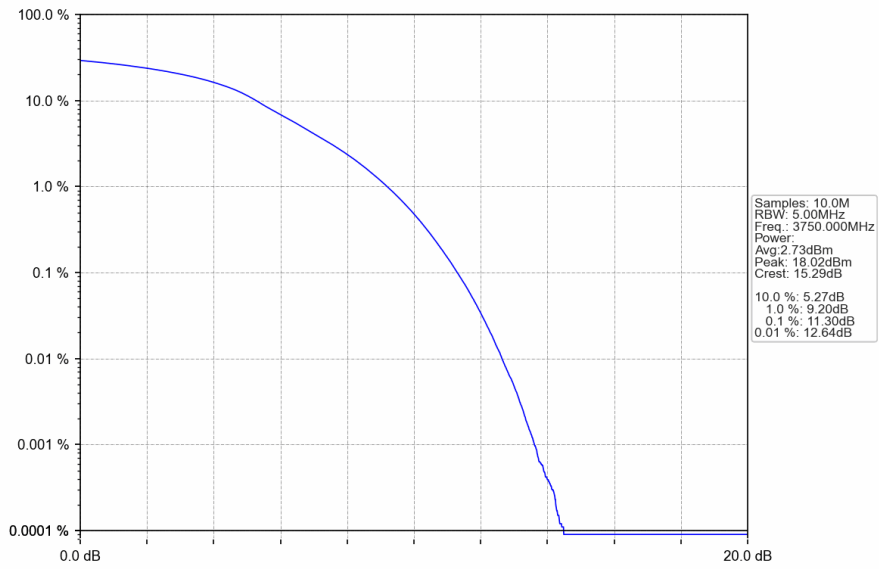




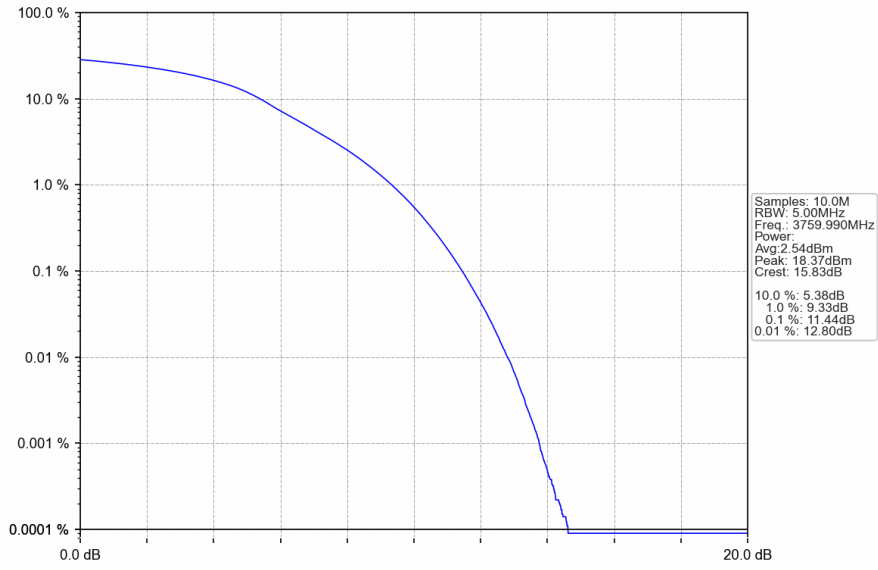
n78a\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM\_256\_QAM\_3740.01MHz\_Outer\_Full



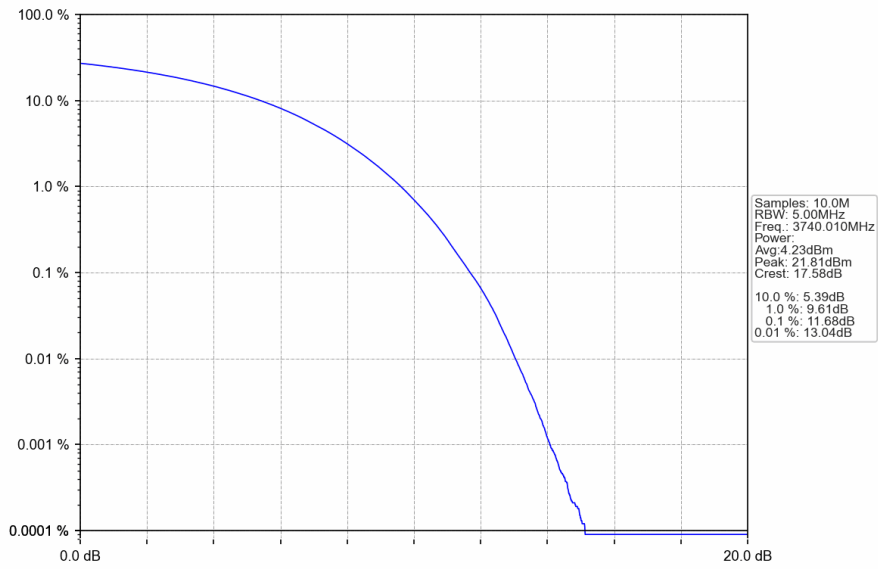
n78a\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM\_256\_QAM\_3750MHz\_Outer\_Full



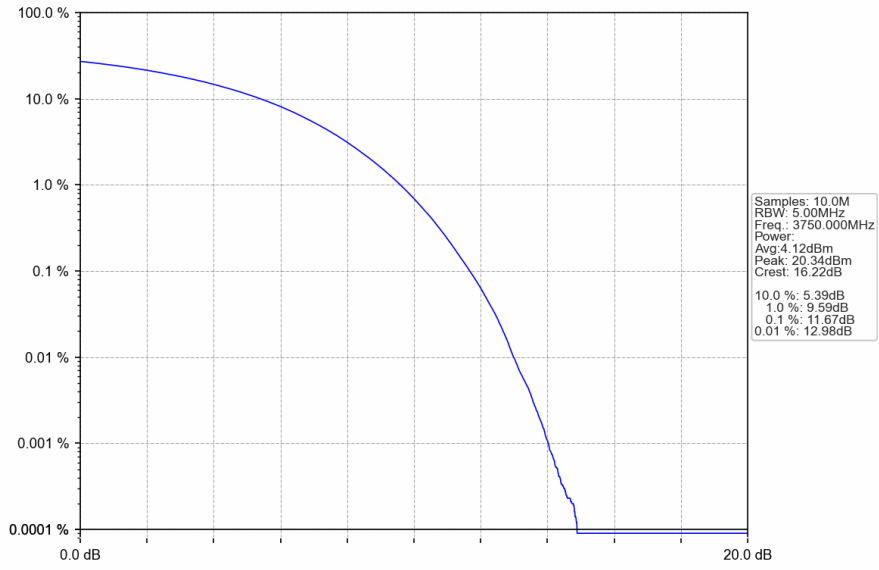
n78a\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM\_256\_QAM\_3759.99MHz\_Outer\_Full



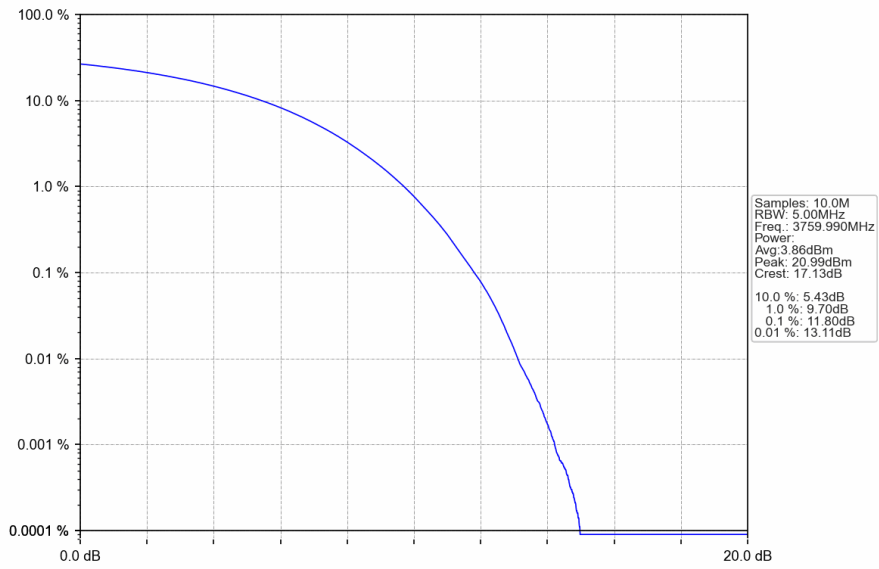
n78a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM\_QPSK\_3740.01MHz\_Outer\_Full



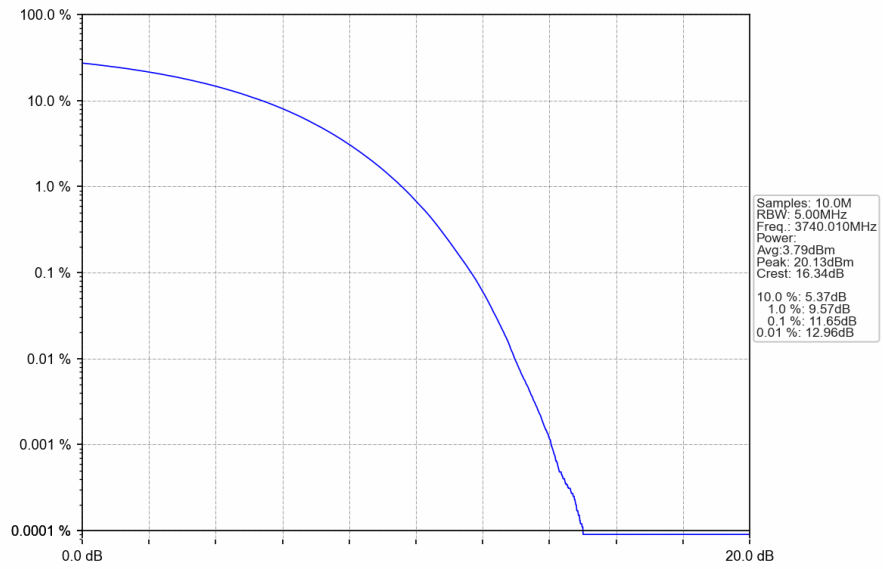
n78a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM\_QPSK\_3750MHz\_Outer\_Full



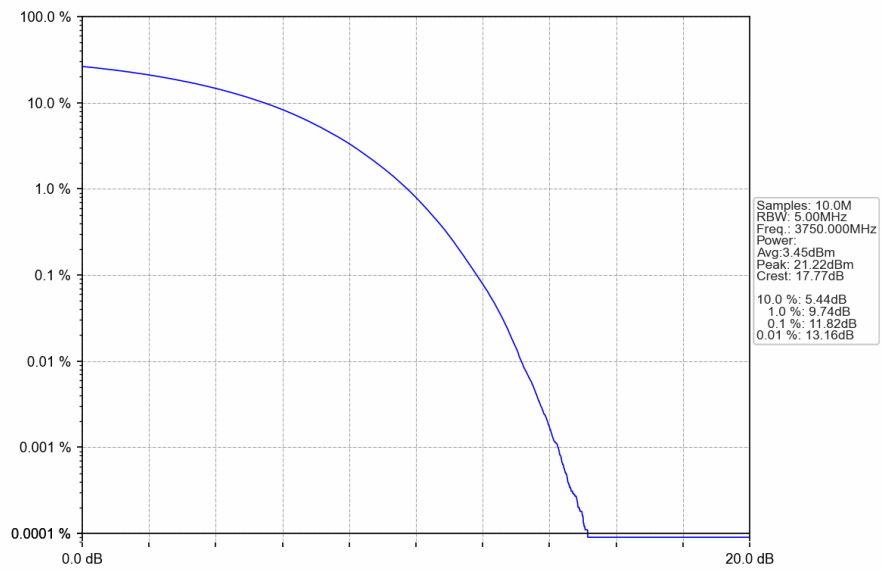
n78a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM\_QPSK\_3759.99MHz\_Outer\_Full



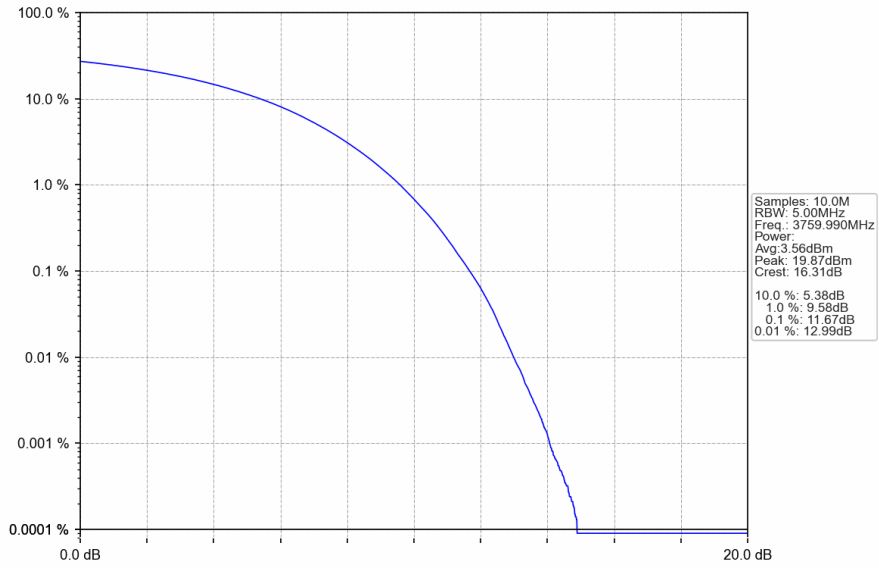
n78a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM 64 QAM\_3740.01MHz\_Outer\_Full



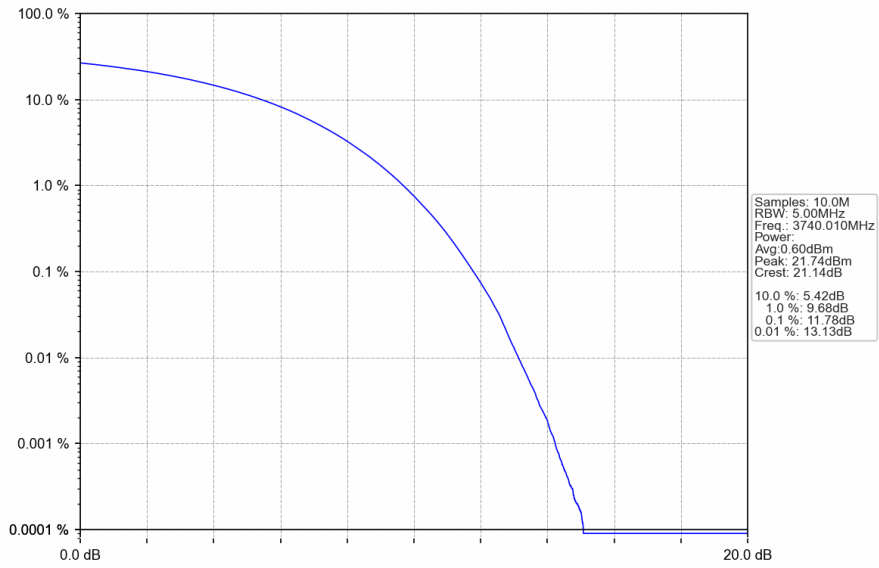
n78a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM 64 QAM\_3750MHz\_Outer\_Full



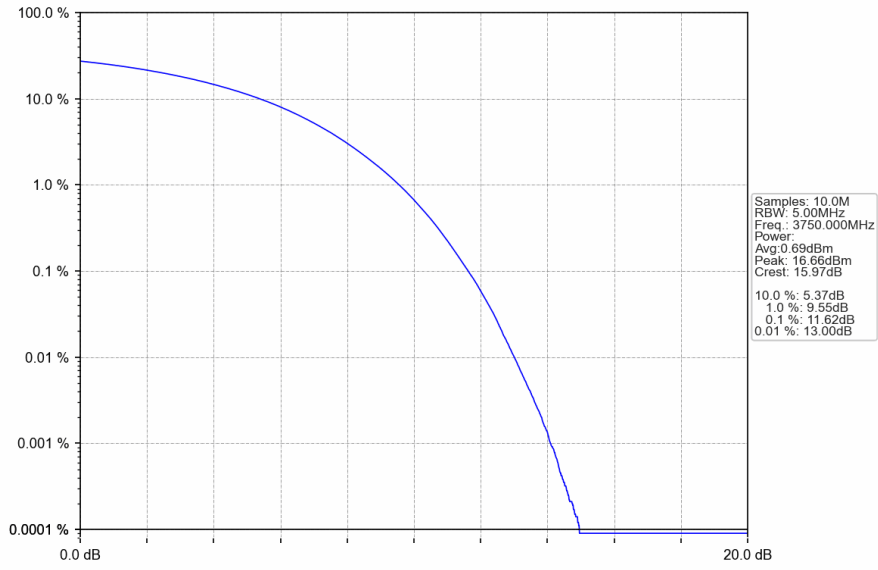
n78a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM 64 QAM\_3759.99MHz\_Outer\_Full



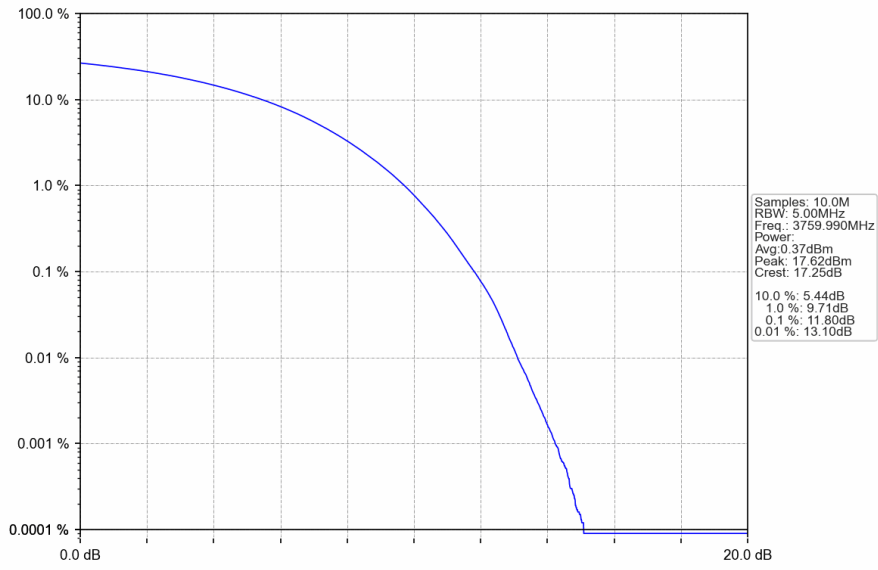
n78a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM 256 QAM\_3740.01MHz\_Outer\_Full



n78a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM 256 QAM\_3750MHz\_Outer\_Full



n78a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM 256 QAM\_3759.99MHz\_Outer\_Full



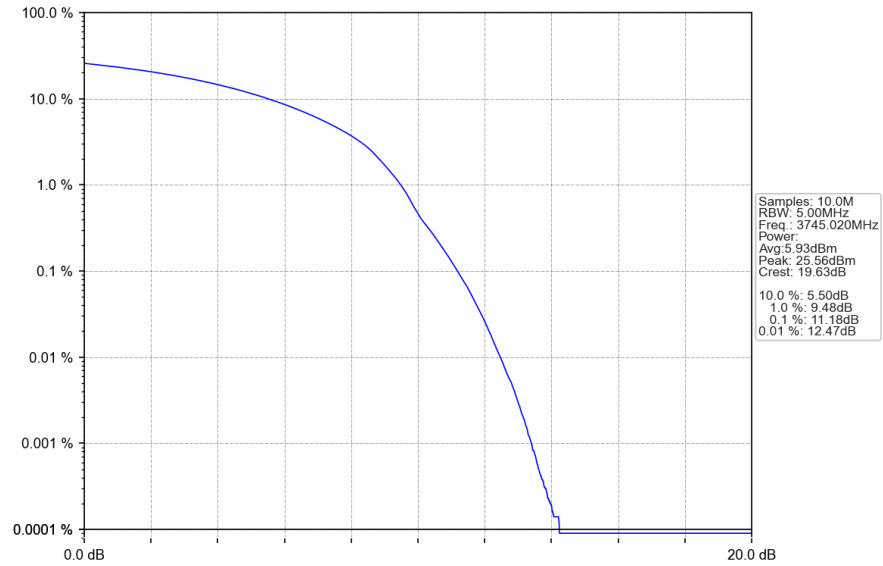
## 1.8 30k\_SISO\_90MHz\_NTNV

### 1.8.1 Test Result

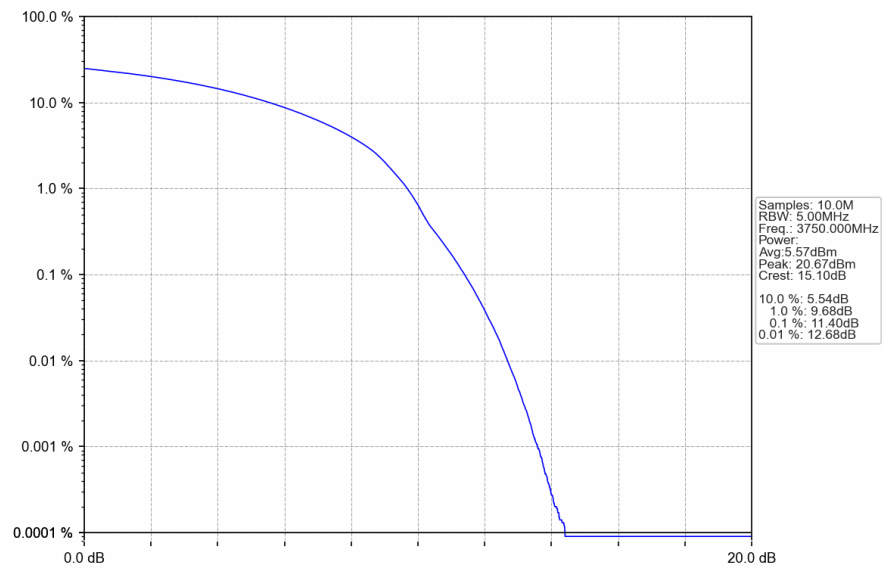
5G NR n78a SCS=30kHz SISO 90MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3745.02	Outer_Full	11.18	/	/	<=13	Pass
	3750	Outer_Full	11.40	/	/	<=13	Pass
	3754.98	Outer_Full	11.33	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3745.02	Outer_Full	11.57	/	/	<=13	Pass
	3750	Outer_Full	11.59	/	/	<=13	Pass
	3754.98	Outer_Full	11.30	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3745.02	Outer_Full	11.54	/	/	<=13	Pass
	3750	Outer_Full	11.58	/	/	<=13	Pass
	3754.98	Outer_Full	11.32	/	/	<=13	Pass
CP-OFDM QPSK	3745.02	Outer_Full	11.66	/	/	<=13	Pass
	3750	Outer_Full	11.71	/	/	<=13	Pass
	3754.98	Outer_Full	11.78	/	/	<=13	Pass
CP-OFDM 64 QAM	3745.02	Outer_Full	11.66	/	/	<=13	Pass
	3750	Outer_Full	11.80	/	/	<=13	Pass
	3754.98	Outer_Full	11.98	/	/	<=13	Pass
CP-OFDM 256 QAM	3745.02	Outer_Full	11.55	/	/	<=13	Pass
	3750	Outer_Full	11.53	/	/	<=13	Pass
	3754.98	Outer_Full	11.91	/	/	<=13	Pass

## 1.8.2 Test Graph

n78a\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM QPSK\_3745.02MHz\_Outer\_Full

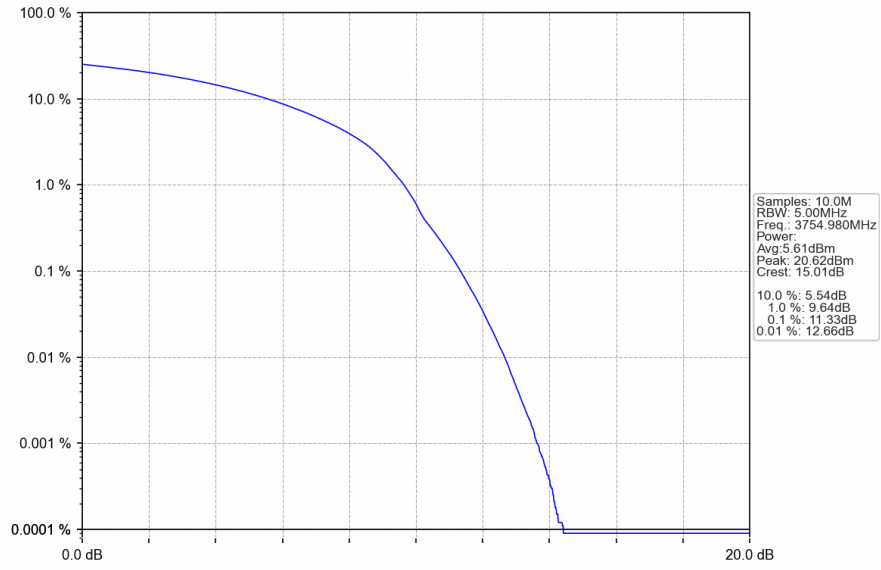


n78a\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM QPSK\_3750MHz\_Outer\_Full

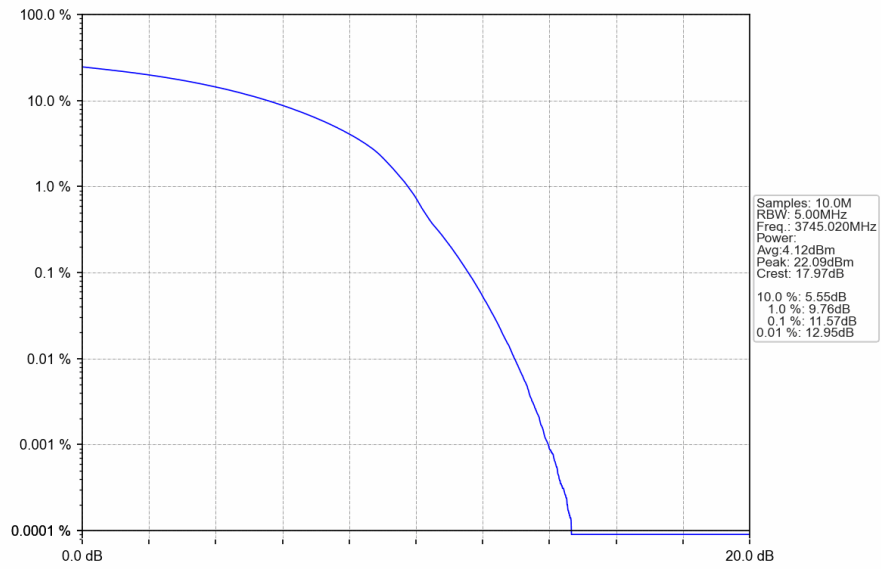




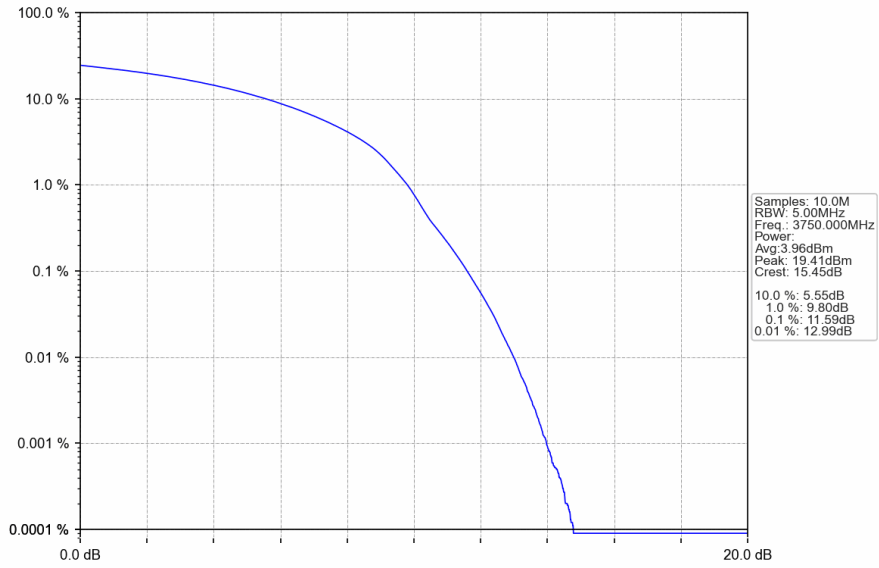
n78a\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM QPSK\_3754.98MHz\_Outer\_Full



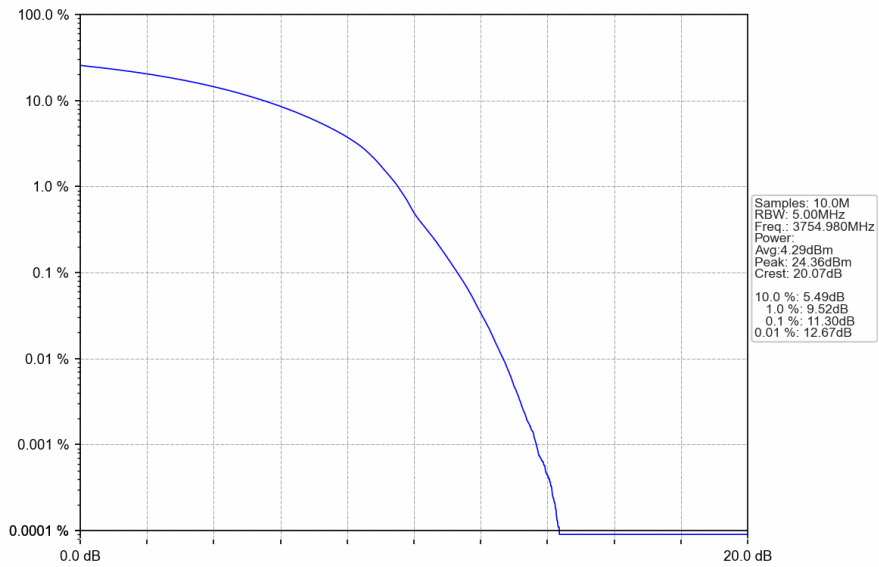
n78a\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM 64 QAM\_3745.02MHz\_Outer\_Full



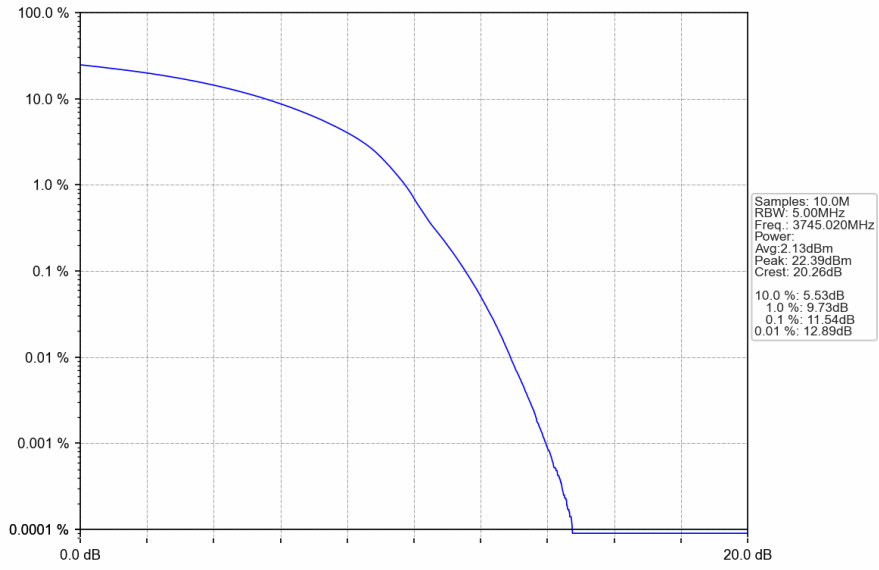
n78a\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM\_64\_QAM\_3750MHz\_Outer\_Full



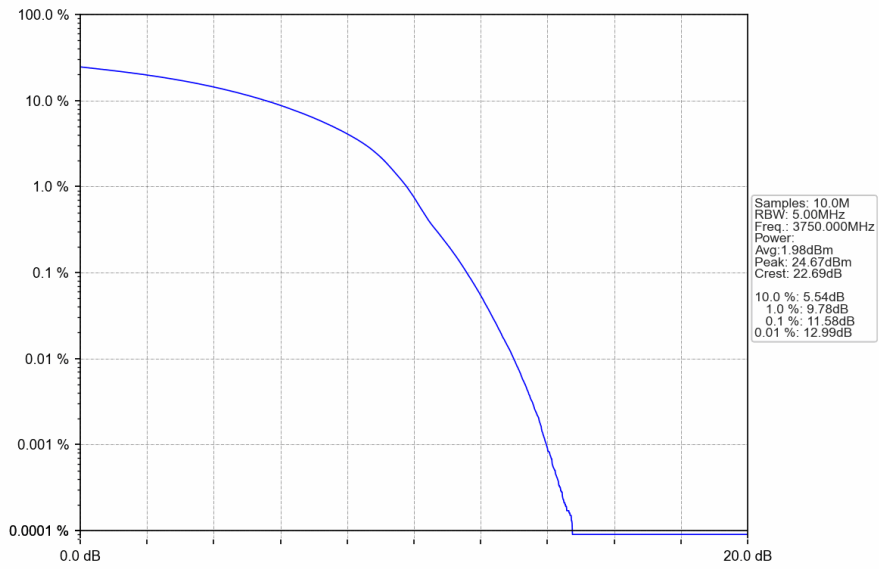
n78a\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM\_64\_QAM\_3754.98MHz\_Outer\_Full



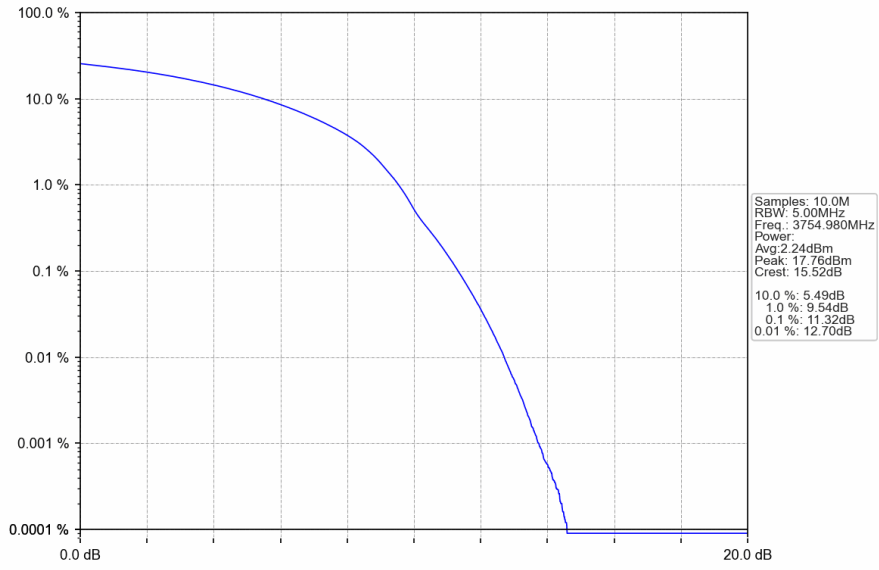
n78a\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM\_256\_QAM\_3745.02MHz\_Outer\_Full



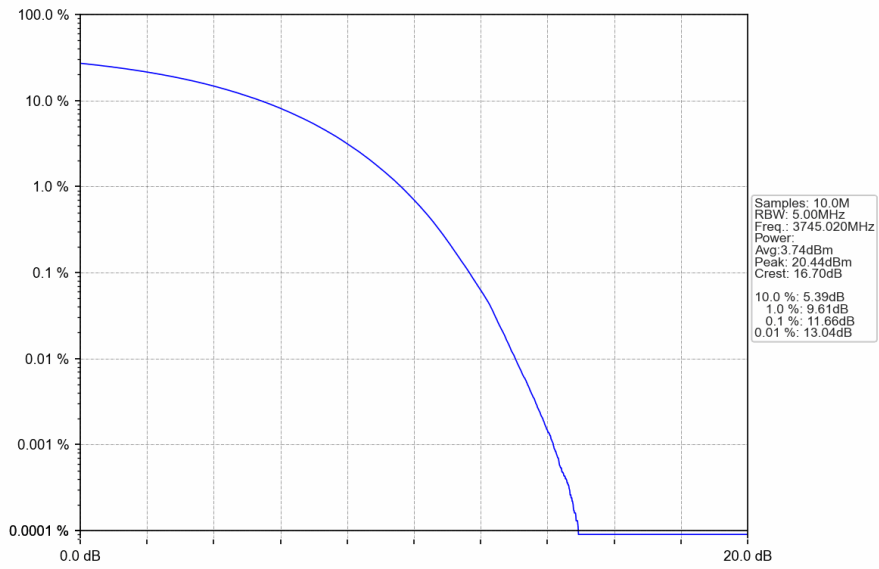
n78a\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM\_256\_QAM\_3750MHz\_Outer\_Full



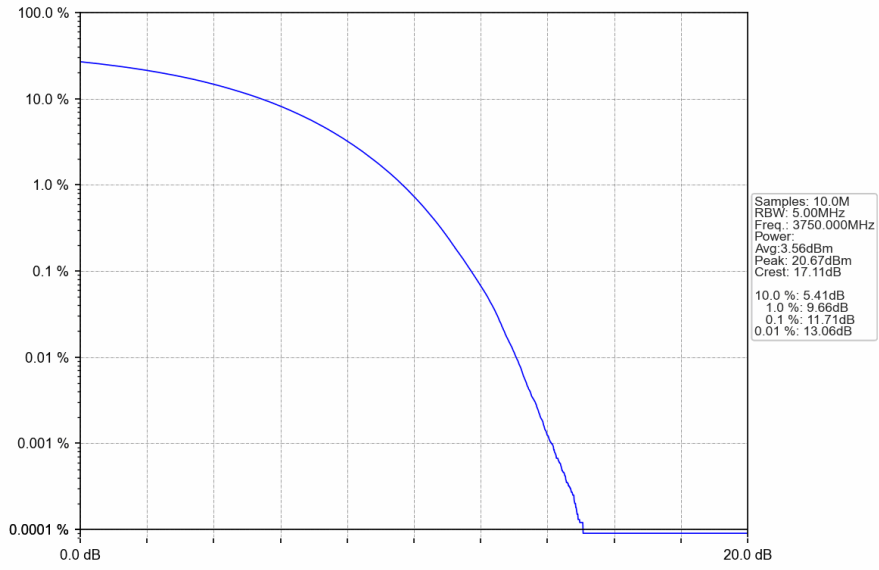
n78a\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM\_256\_QAM\_3754.98MHz\_Outer\_Full



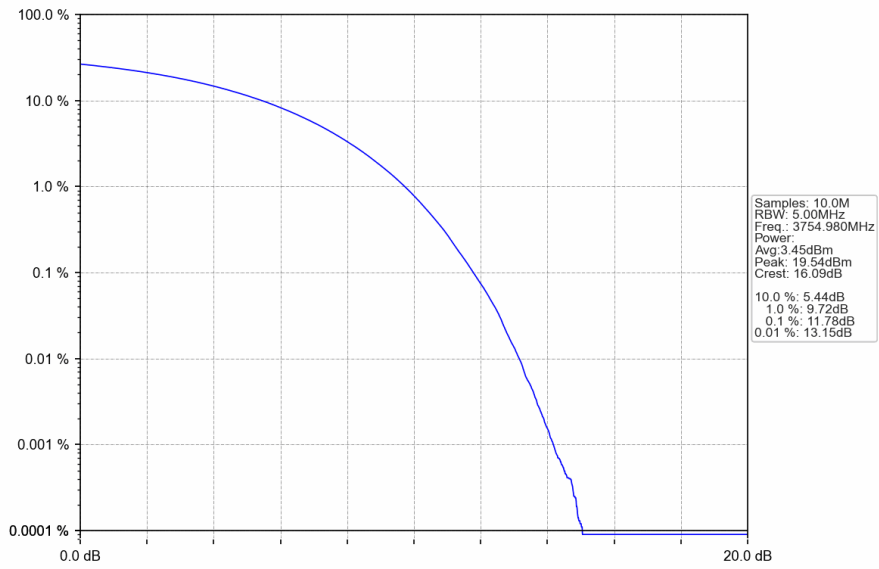
n78a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM\_QPSK\_3745.02MHz\_Outer\_Full



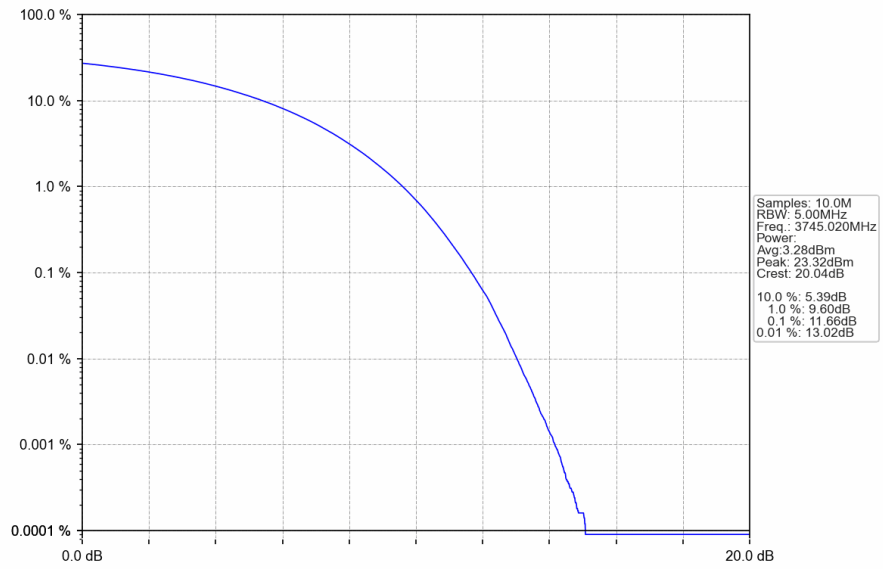
n78a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM QPSK\_3750MHz\_Outer\_Full



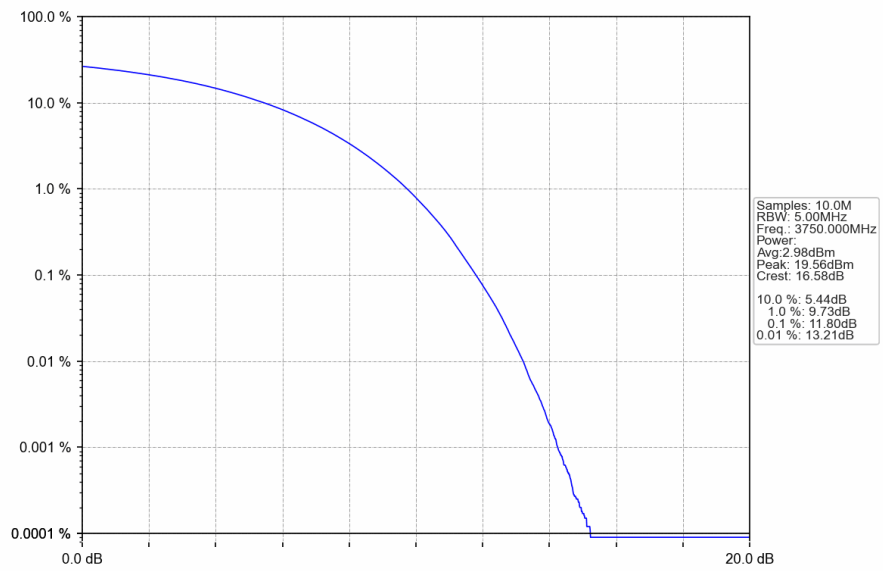
n78a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM QPSK\_3754.98MHz\_Outer\_Full



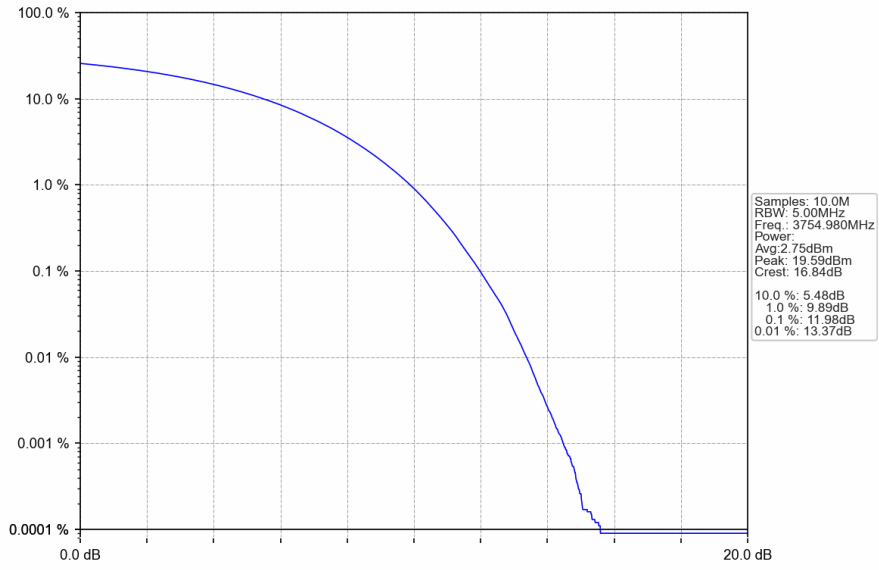
n78a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM 64 QAM\_3745.02MHz\_Outer\_Full



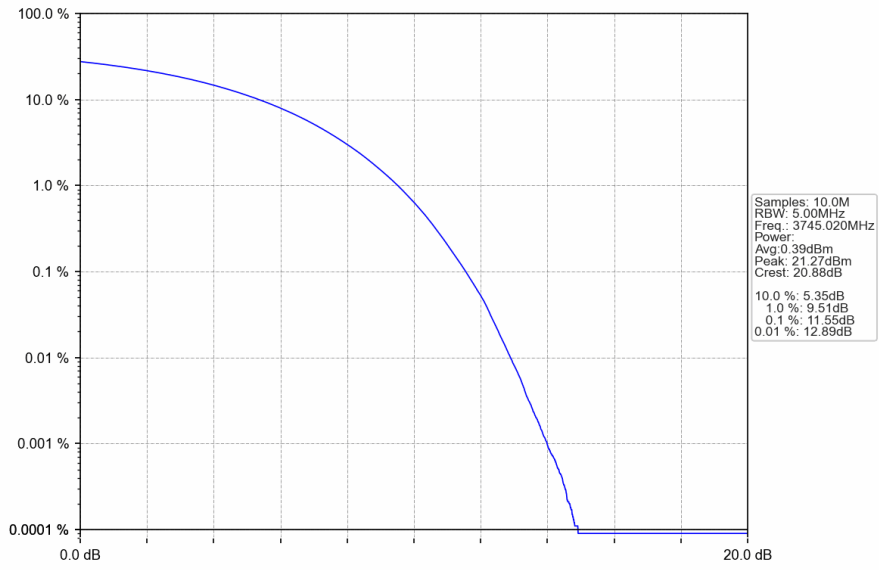
n78a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM 64 QAM\_3750MHz\_Outer\_Full



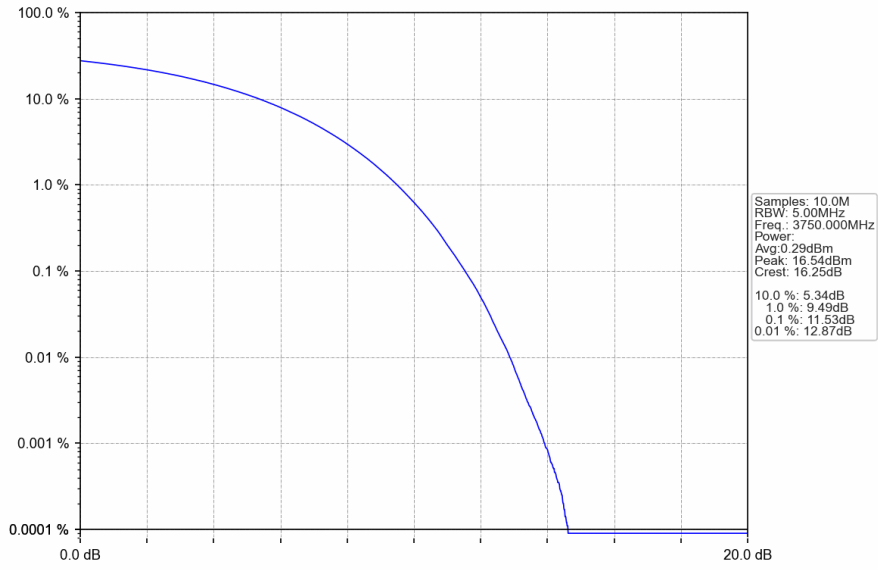
n78a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM 64 QAM\_3754.98MHz\_Outer\_Full



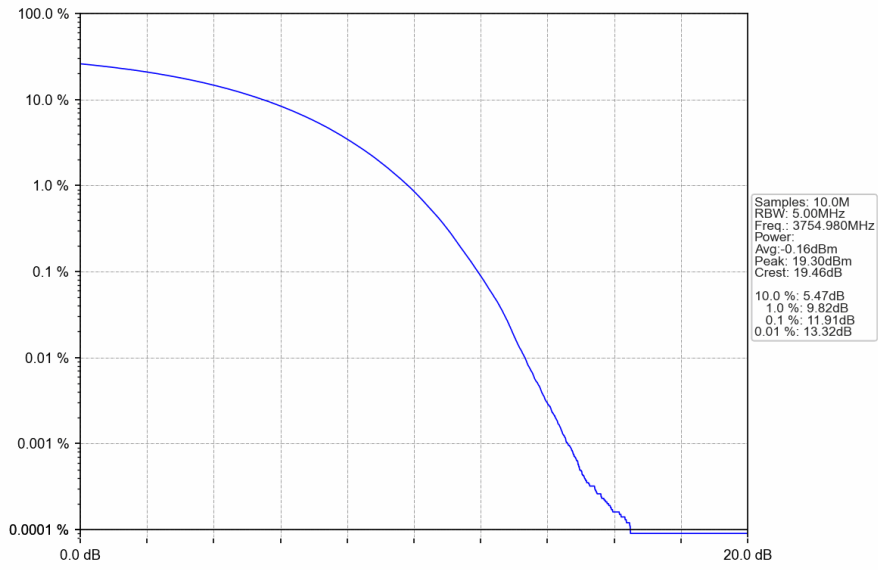
n78a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM 256 QAM\_3745.02MHz\_Outer\_Full



n78a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM 256 QAM\_3750MHz\_Outer\_Full



n78a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM 256 QAM\_3754.98MHz\_Outer\_Full





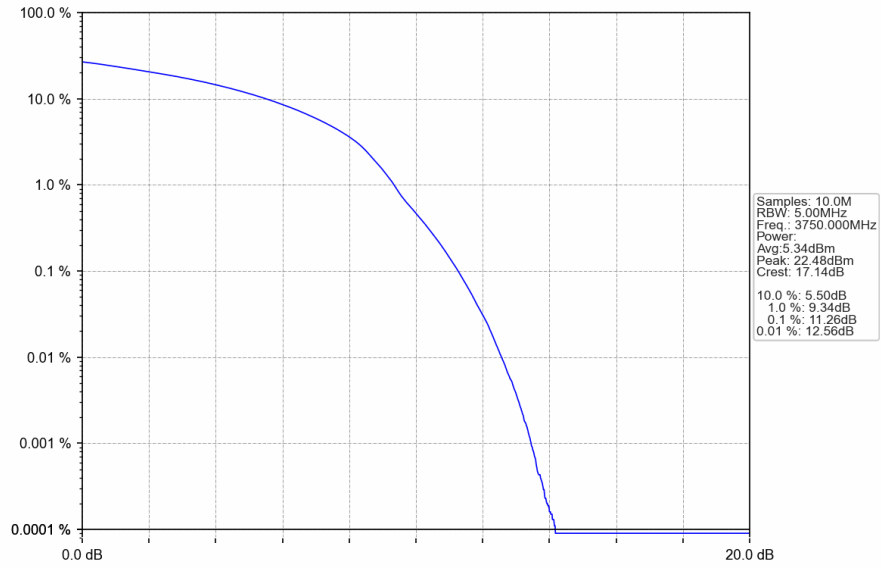
## 1.9 30k\_SISO\_100MHz\_NTNV

### 1.9.1 Test Result

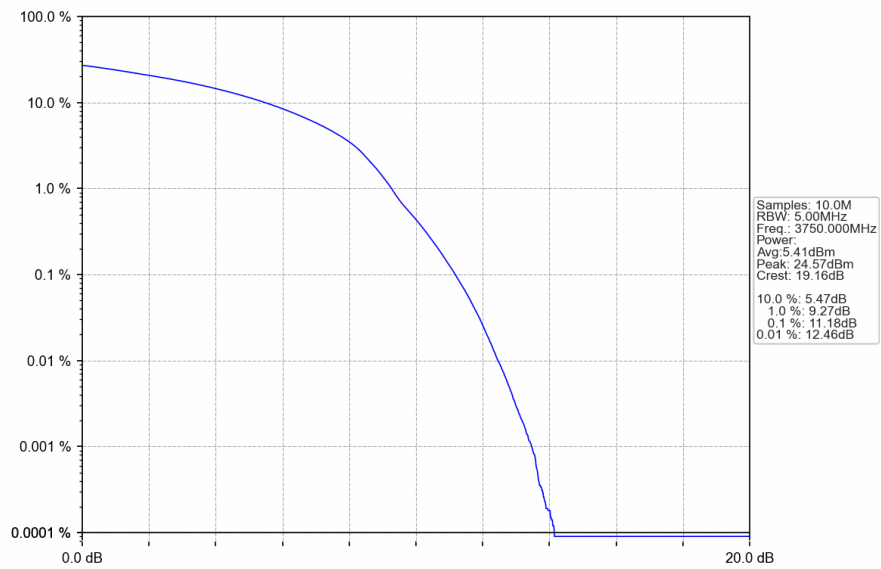
5G NR n78a SCS=30kHz SISO 100MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)			Limit	Verdict
			Ant1	Ant2	Sum		
DFT-s-OFDM QPSK	3750	Outer_Full	11.26	/	/	<=13	Pass
	3750	Outer_Full	11.18	/	/	<=13	Pass
	3750	Outer_Full	11.40	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	11.54	/	/	<=13	Pass
	3750	Outer_Full	11.49	/	/	<=13	Pass
	3750	Outer_Full	11.43	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	11.55	/	/	<=13	Pass
	3750	Outer_Full	11.63	/	/	<=13	Pass
	3750	Outer_Full	11.70	/	/	<=13	Pass
CP-OFDM QPSK	3750	Outer_Full	11.60	/	/	<=13	Pass
	3750	Outer_Full	11.63	/	/	<=13	Pass
	3750	Outer_Full	11.56	/	/	<=13	Pass
CP-OFDM 64 QAM	3750	Outer_Full	11.72	/	/	<=13	Pass
	3750	Outer_Full	11.91	/	/	<=13	Pass
	3750	Outer_Full	11.53	/	/	<=13	Pass
CP-OFDM 256 QAM	3750	Outer_Full	11.74	/	/	<=13	Pass
	3750	Outer_Full	11.80	/	/	<=13	Pass
	3750	Outer_Full	11.68	/	/	<=13	Pass

## 1.9.2 Test Graph

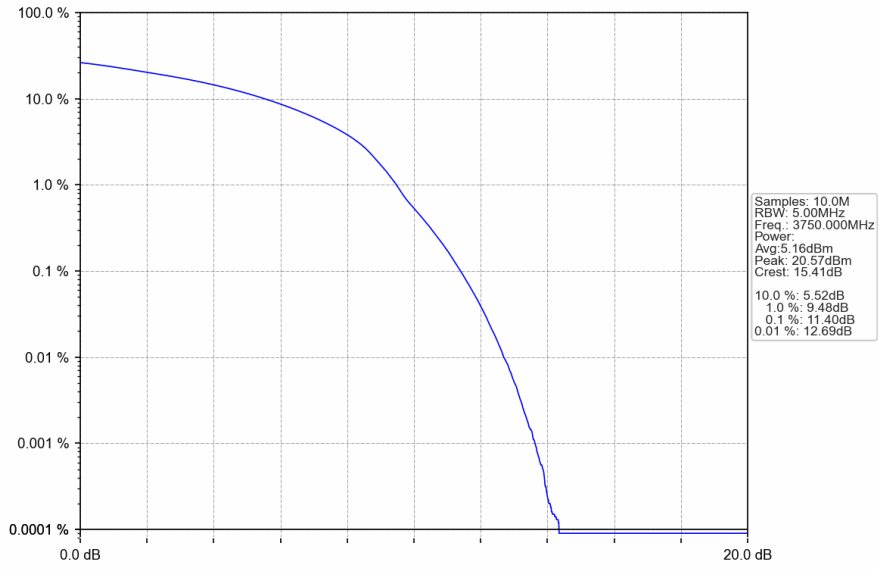
n78a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM QPSK\_3750MHz\_Outer\_Full



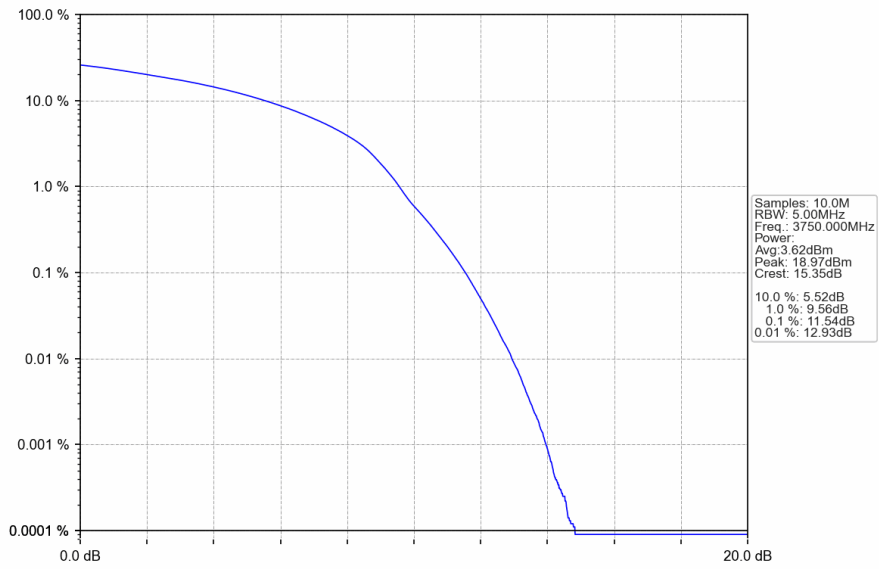
n78a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM QPSK\_3750MHz\_Outer\_Full



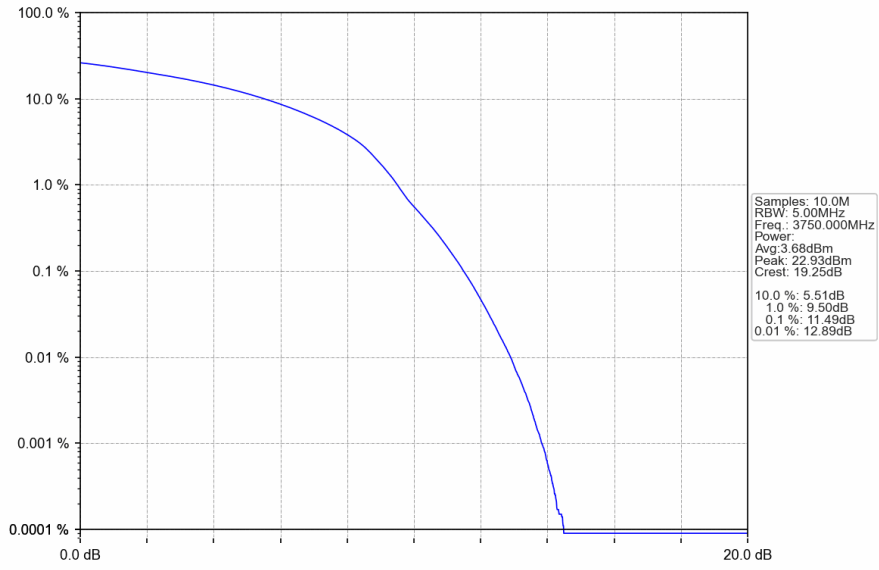
n78a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM QPSK\_3750MHz\_Outer\_Full



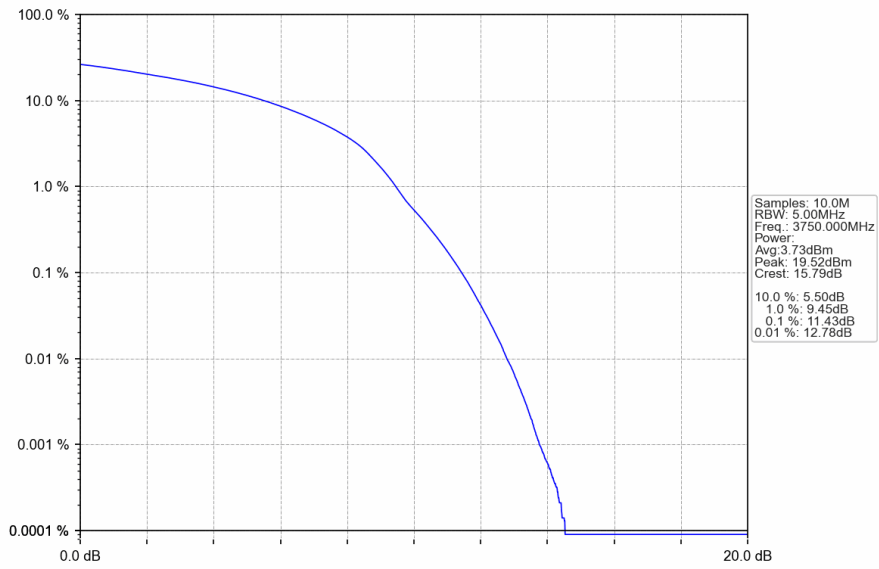
n78a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 64 QAM\_3750MHz\_Outer\_Full



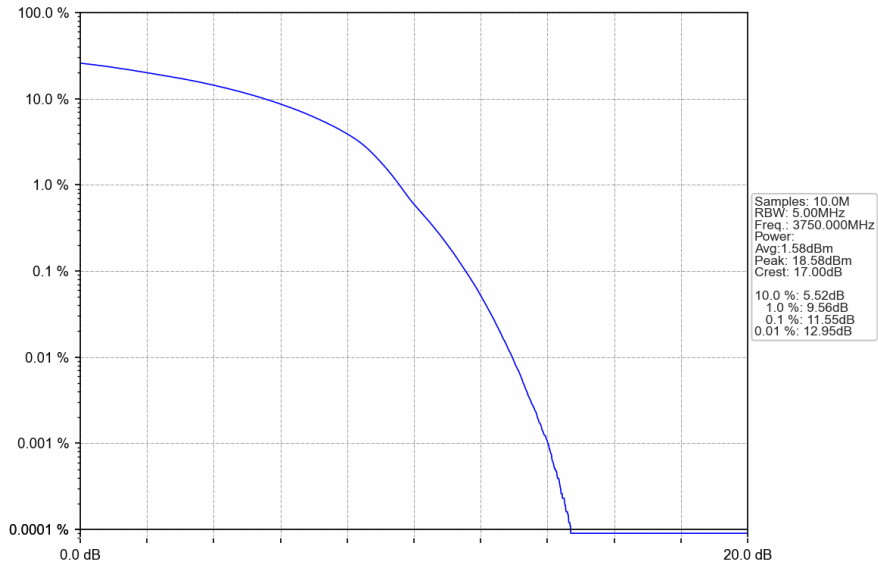
n78a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM\_64\_QAM\_3750MHz\_Outer\_Full



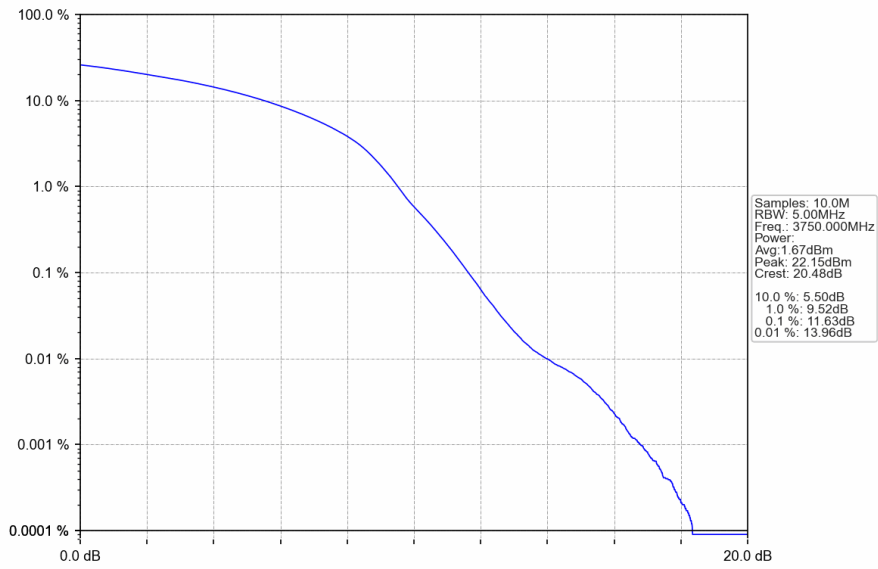
n78a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM\_64\_QAM\_3750MHz\_Outer\_Full



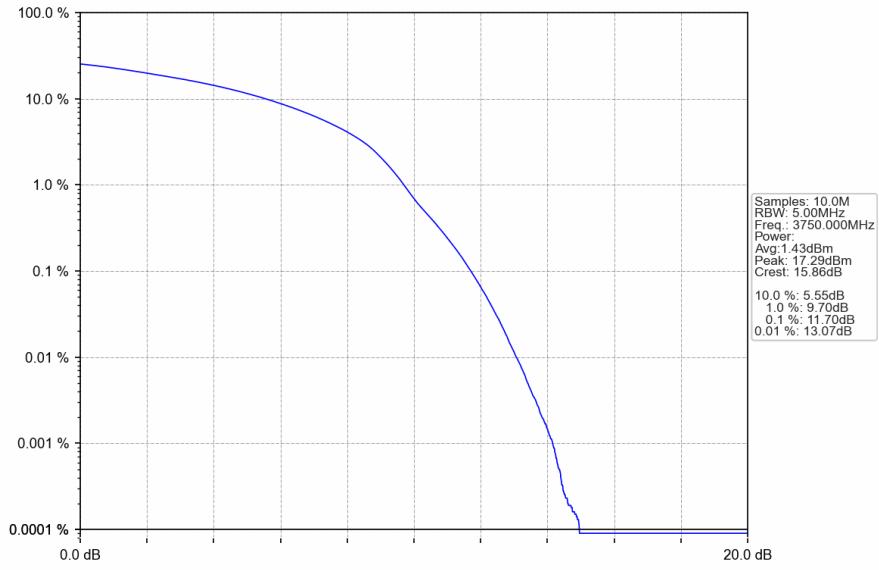
n78a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM\_256\_QAM\_3750MHz\_Outer\_Full



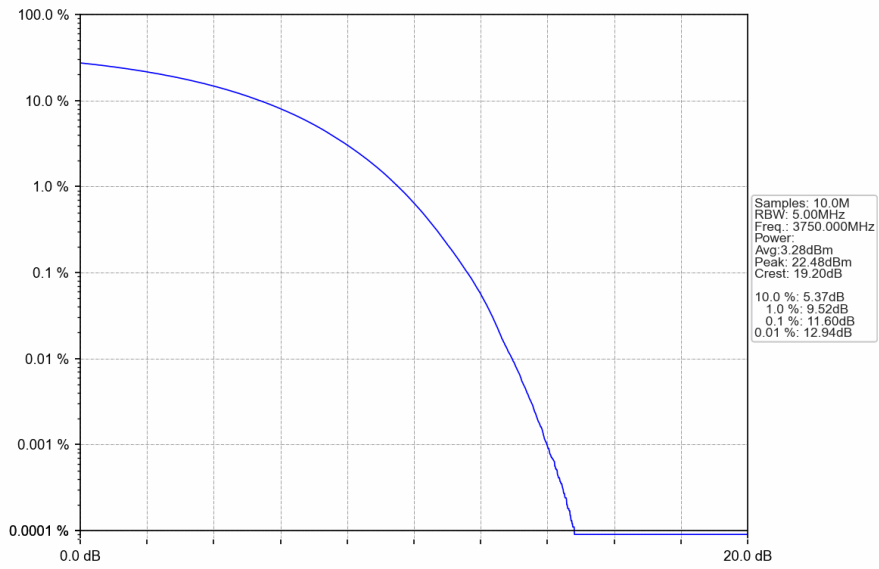
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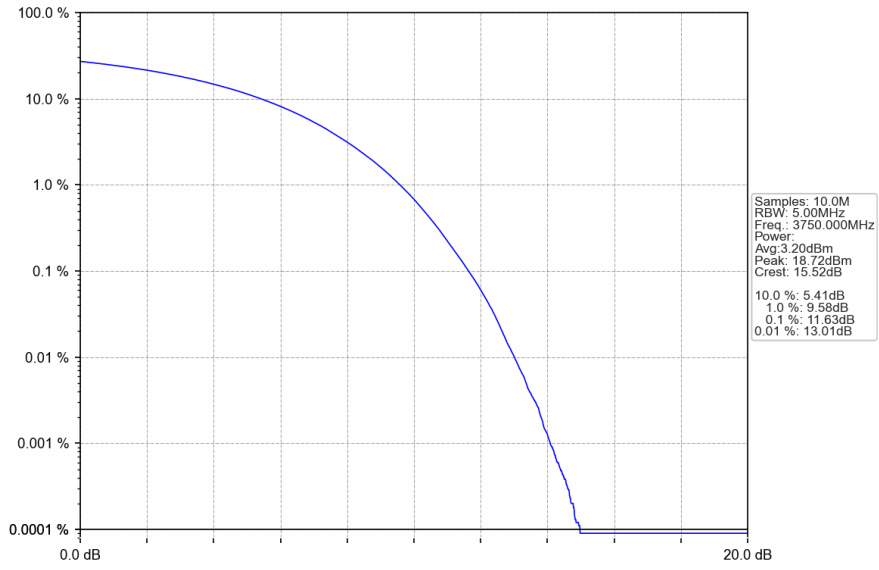
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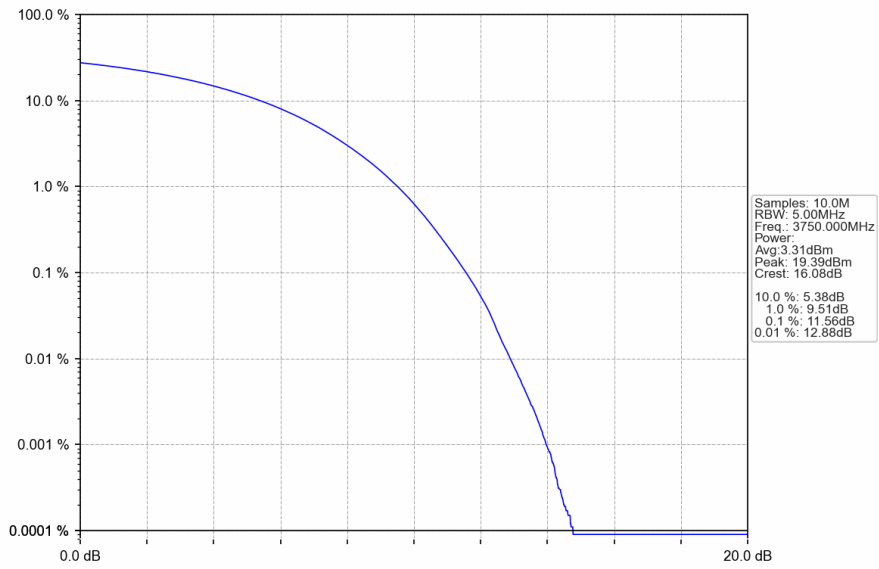
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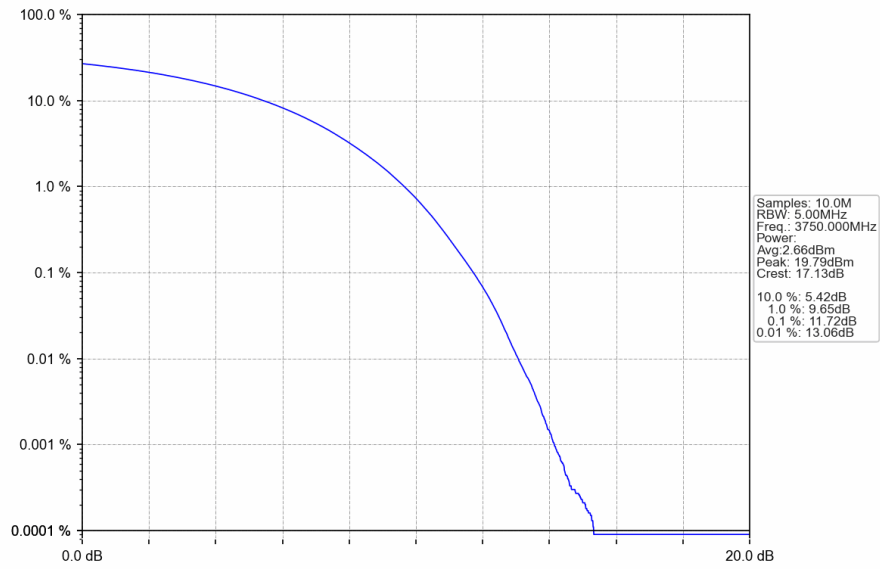
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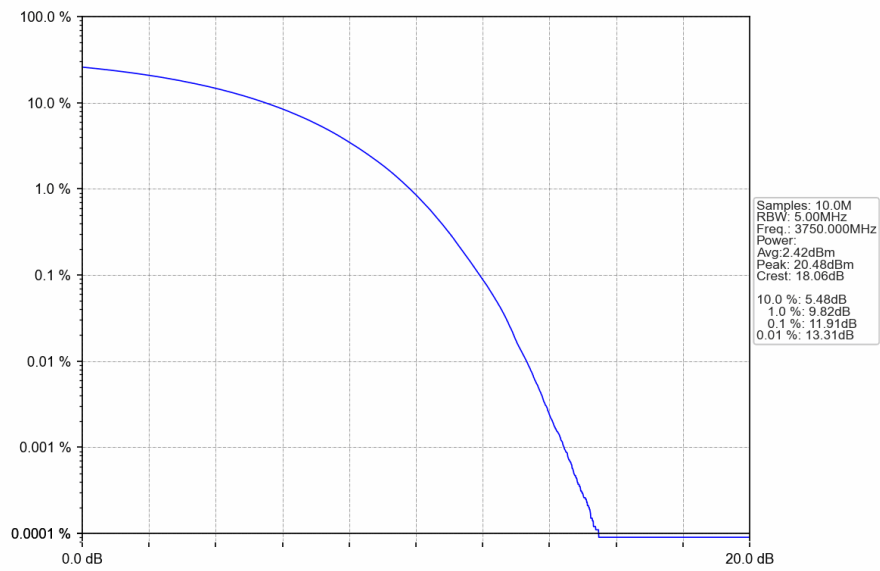
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n78a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 64 QAM\_3750MHz\_Outer\_Full

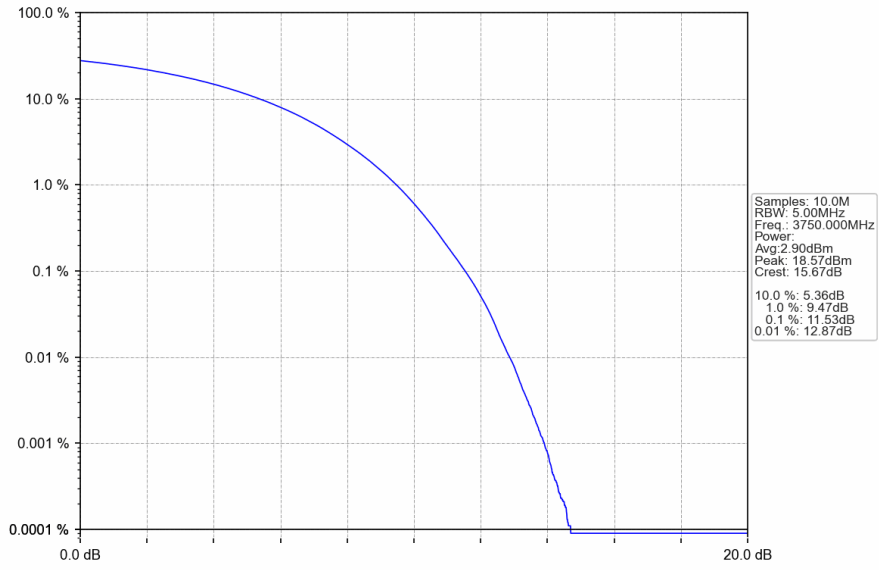


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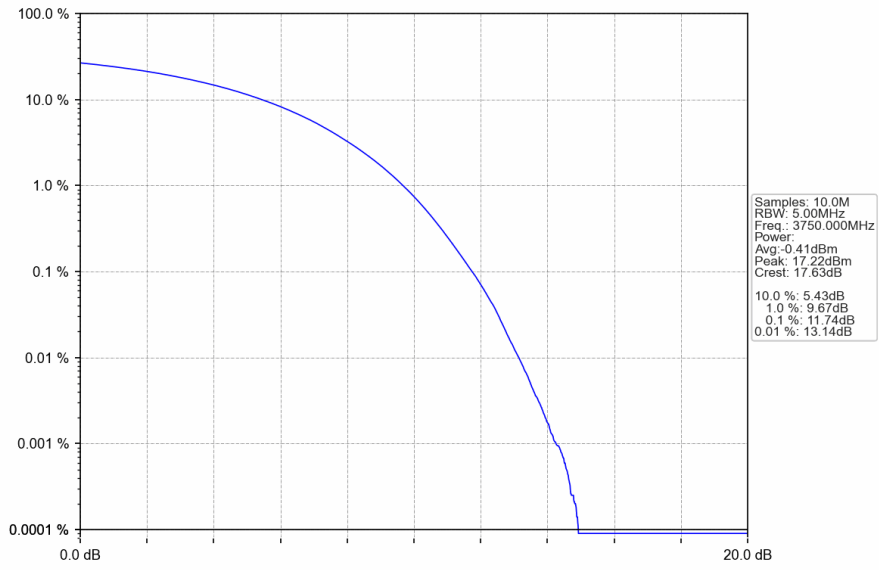




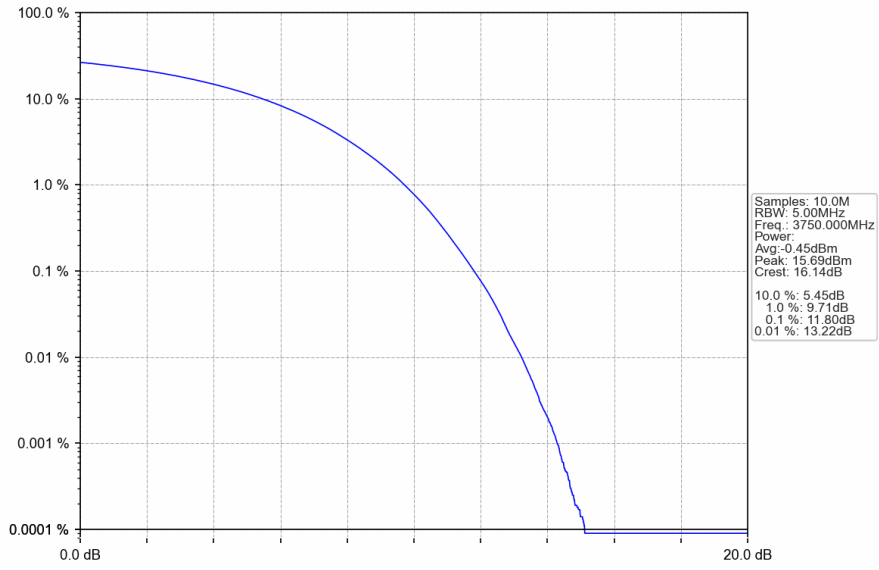
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n78a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 256 QAM\_3750MHz\_Outer\_Full



n78a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM\_256\_QAM\_3750MHz\_Outer\_Full



n78a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM\_256\_QAM\_3750MHz\_Outer\_Full

