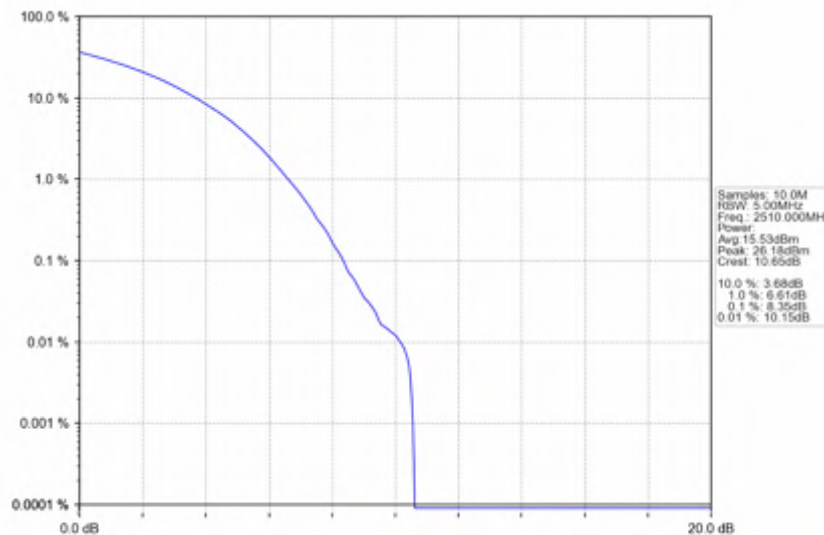
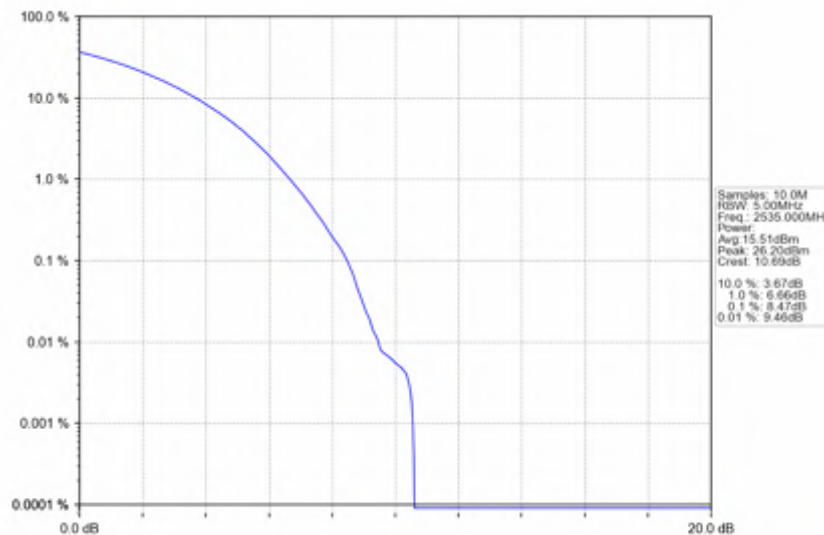


n7_30kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_2510MHz_Outer_Full



n7_30kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_2535MHz_Outer_Full



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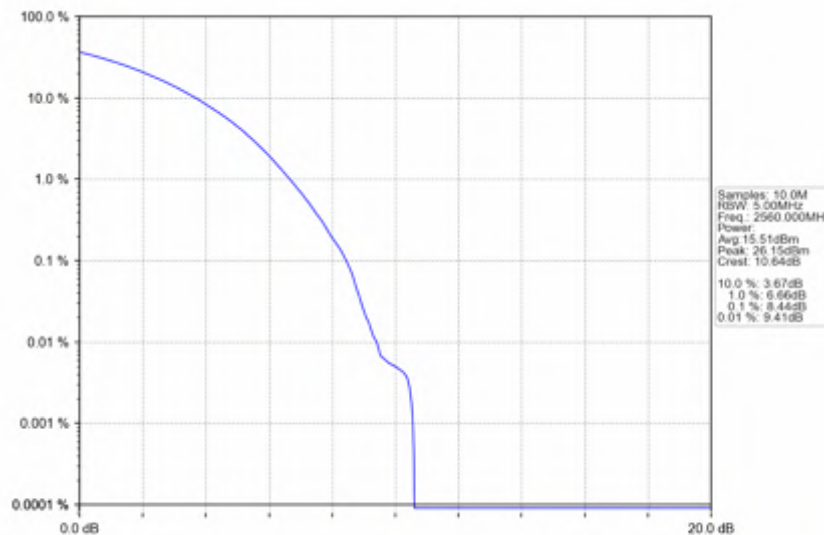
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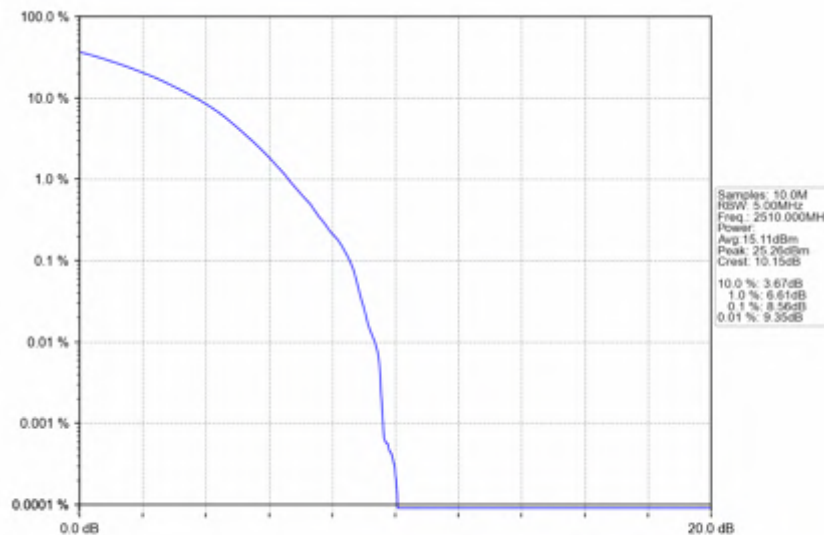
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n7_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_2560MHz_Outer_Full



n7_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_2510MHz_Outer_Full



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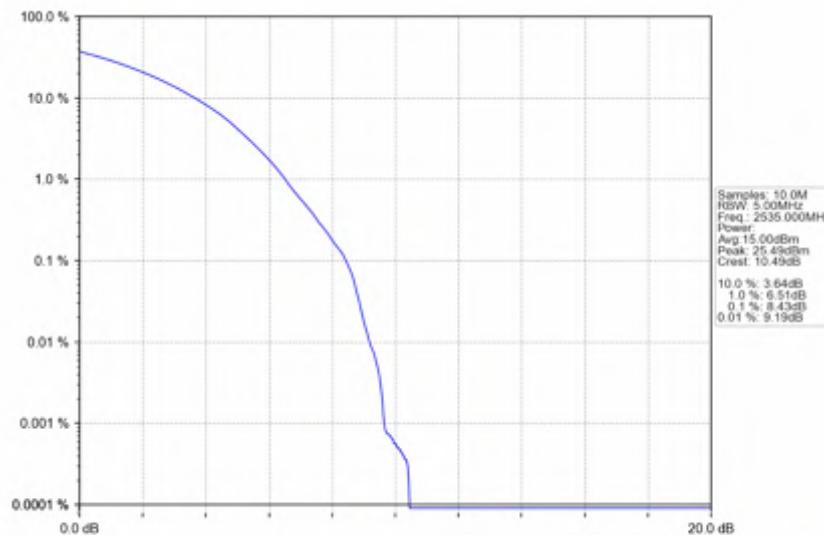
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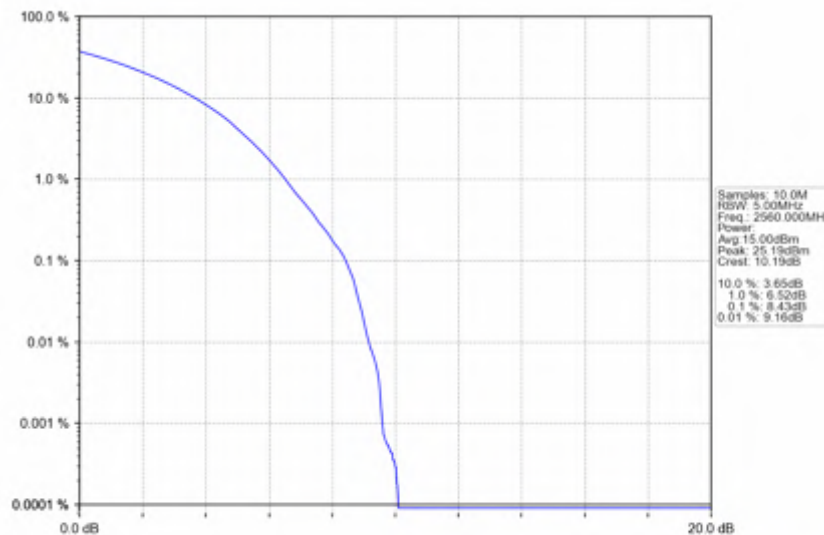
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n7_30kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_2535MHz_Outer_Full



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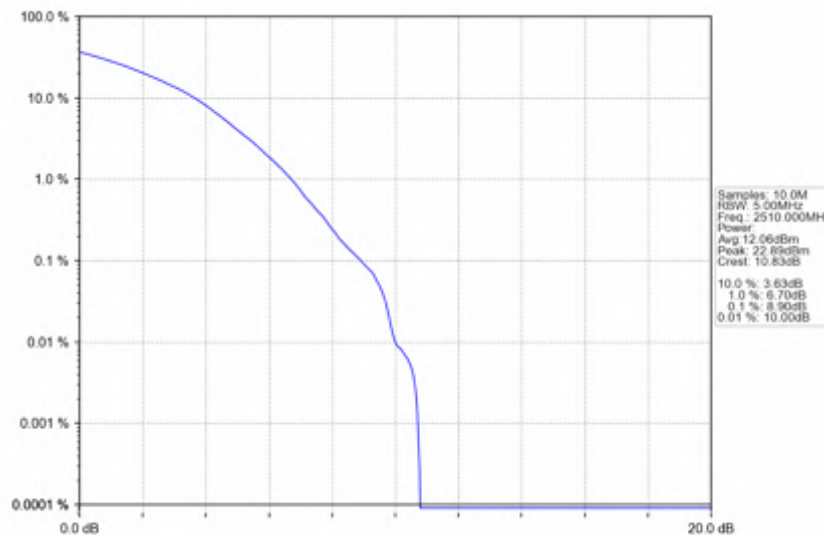


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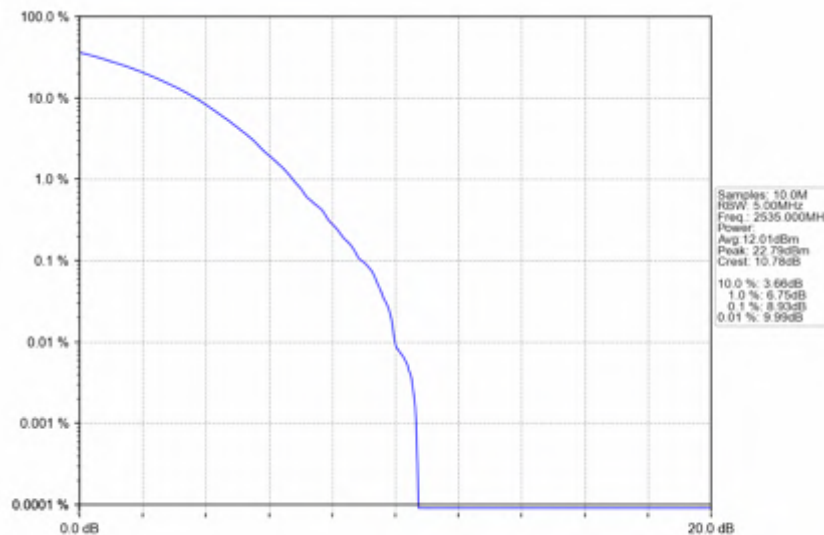
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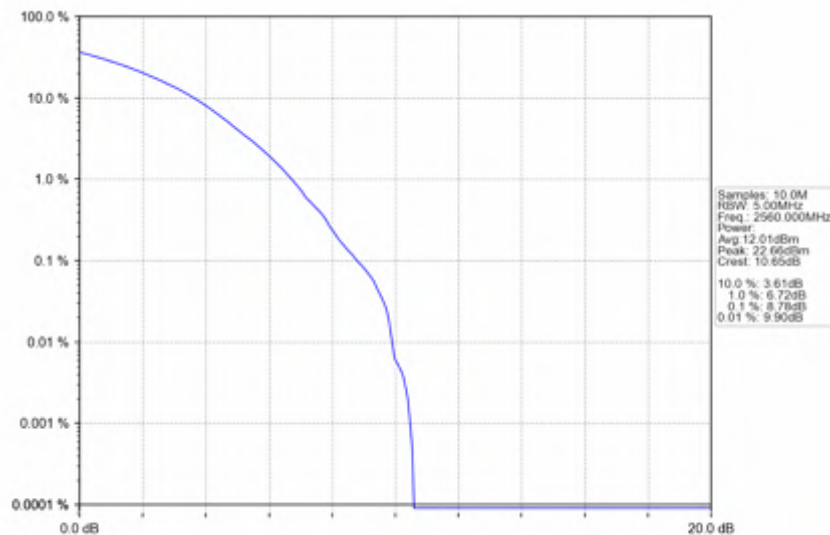
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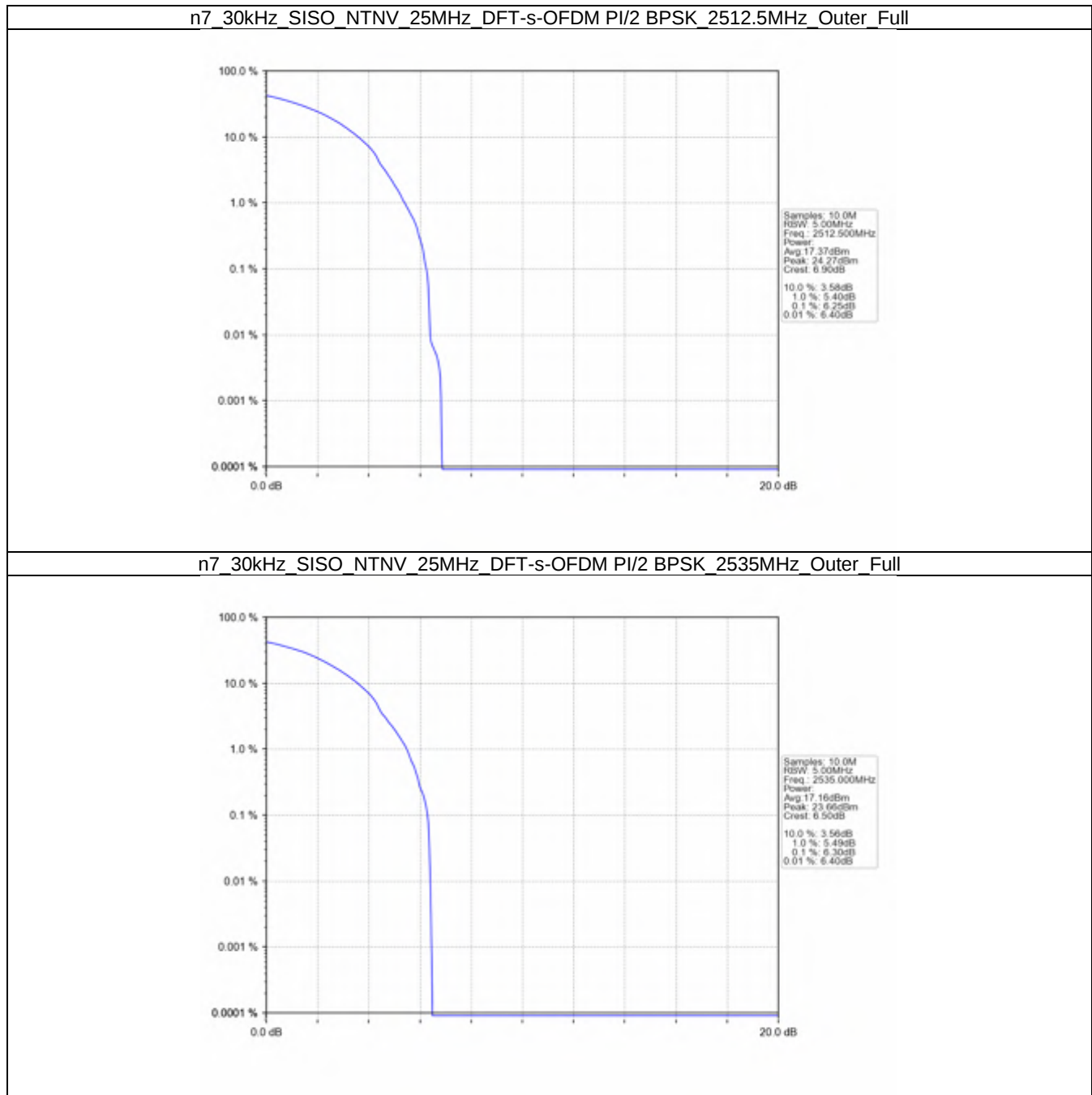
3.12 30k_SISO_25MHz_NTNV

3.12.1 Test Result

5G NR n7 SCS=30kHz SISO 25MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2512.5	Outer_Full	6.25	/	/	<=13	Pass
	2535	Outer_Full	6.30	/	/	<=13	Pass
	2557.5	Outer_Full	6.30	/	/	<=13	Pass
DFT-s-OFDM QPSK	2512.5	Outer_Full	7.18	/	/	<=13	Pass
	2535	Outer_Full	6.97	/	/	<=13	Pass
	2557.5	Outer_Full	7.32	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2512.5	Outer_Full	7.32	/	/	<=13	Pass
	2535	Outer_Full	7.79	/	/	<=13	Pass
	2557.5	Outer_Full	7.59	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2512.5	Outer_Full	7.66	/	/	<=13	Pass
	2535	Outer_Full	7.62	/	/	<=13	Pass
	2557.5	Outer_Full	7.63	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2512.5	Outer_Full	7.68	/	/	<=13	Pass
	2535	Outer_Full	7.80	/	/	<=13	Pass
	2557.5	Outer_Full	7.80	/	/	<=13	Pass
CP-OFDM QPSK	2512.5	Outer_Full	8.24	/	/	<=13	Pass
	2535	Outer_Full	8.08	/	/	<=13	Pass
	2557.5	Outer_Full	8.29	/	/	<=13	Pass
CP-OFDM 16 QAM	2512.5	Outer_Full	8.49	/	/	<=13	Pass
	2535	Outer_Full	8.53	/	/	<=13	Pass
	2557.5	Outer_Full	8.43	/	/	<=13	Pass
CP-OFDM 64 QAM	2512.5	Outer_Full	8.40	/	/	<=13	Pass
	2535	Outer_Full	8.32	/	/	<=13	Pass
	2557.5	Outer_Full	8.40	/	/	<=13	Pass
CP-OFDM 256 QAM	2512.5	Outer_Full	8.66	/	/	<=13	Pass
	2535	Outer_Full	8.28	/	/	<=13	Pass
	2557.5	Outer_Full	8.32	/	/	<=13	Pass



3.12.2 Test Graph



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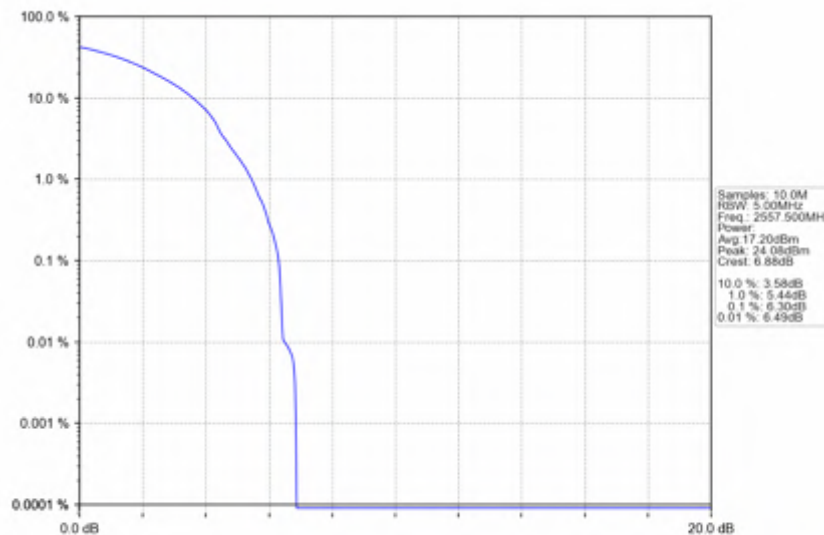
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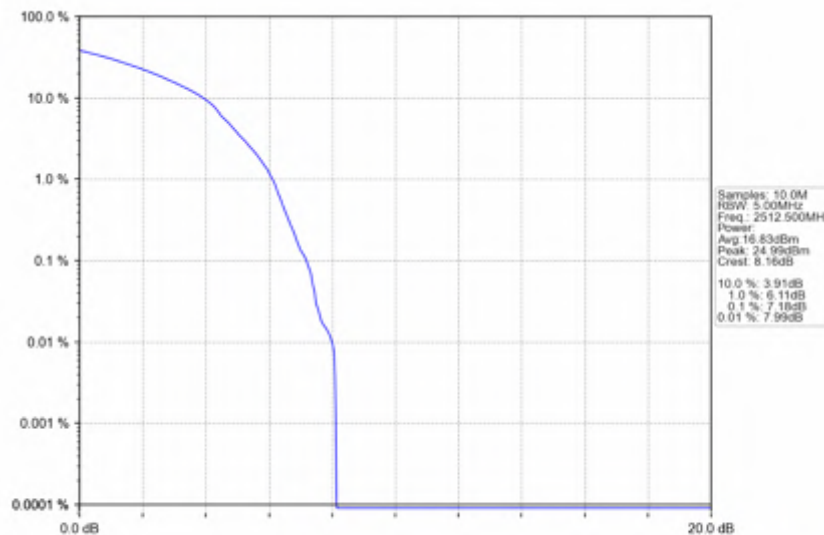
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n7_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_2557.5MHz_Outer_Full



n7_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_2512.5MHz_Outer_Full



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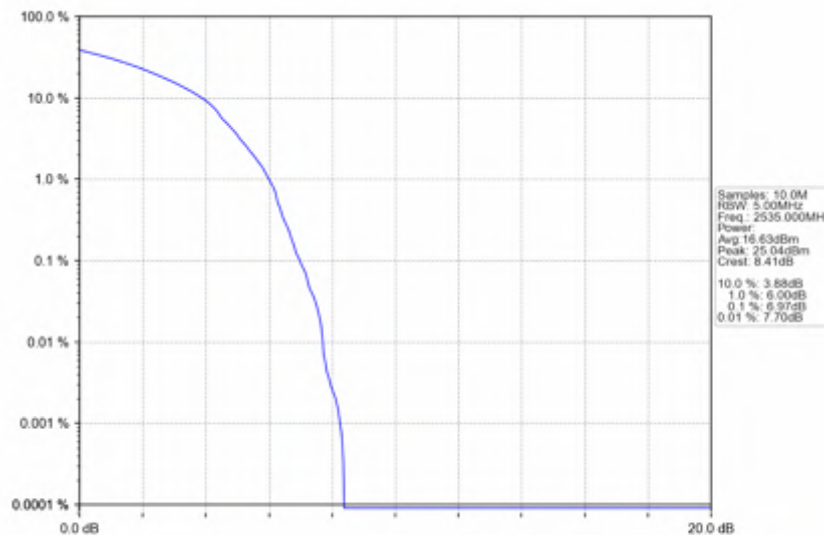
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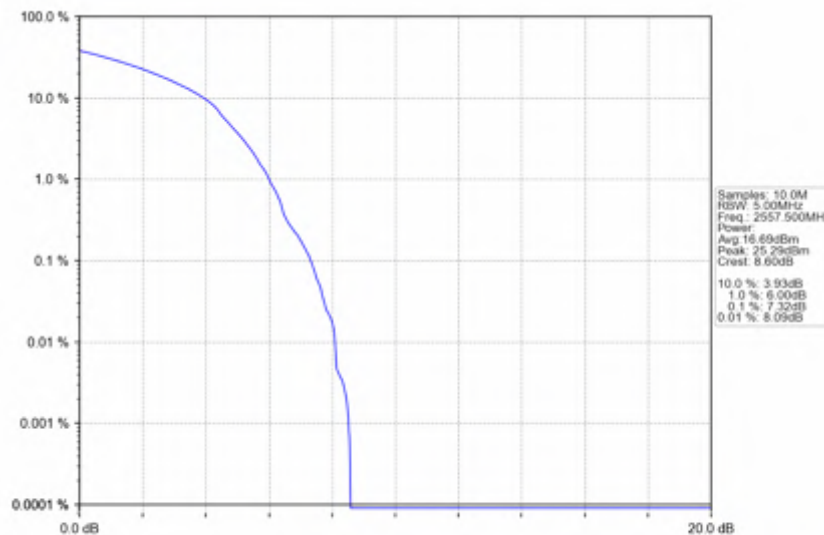
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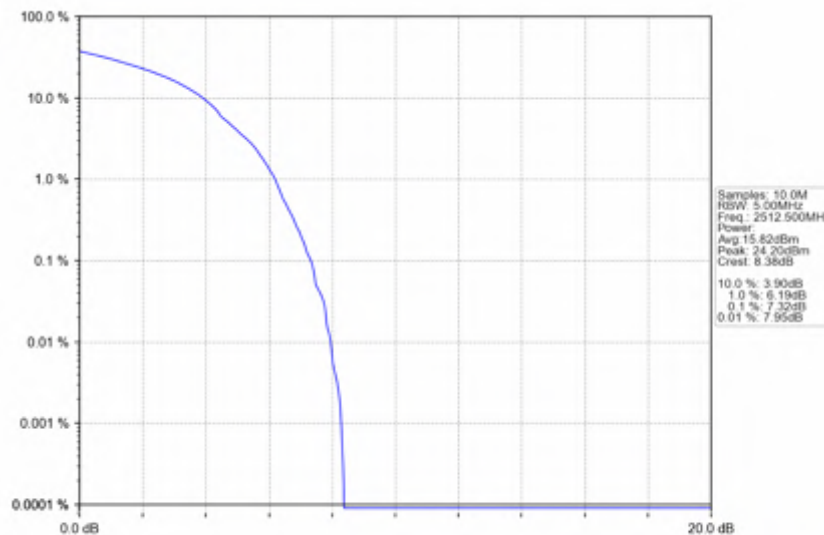


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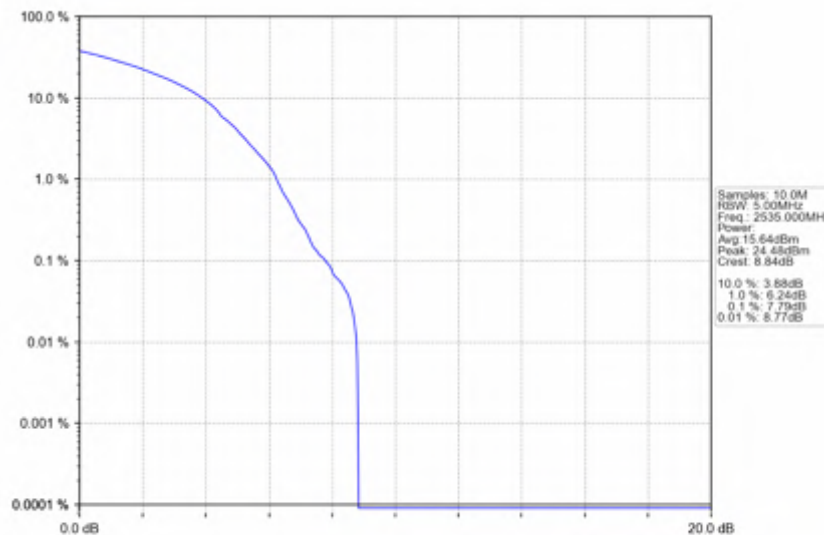
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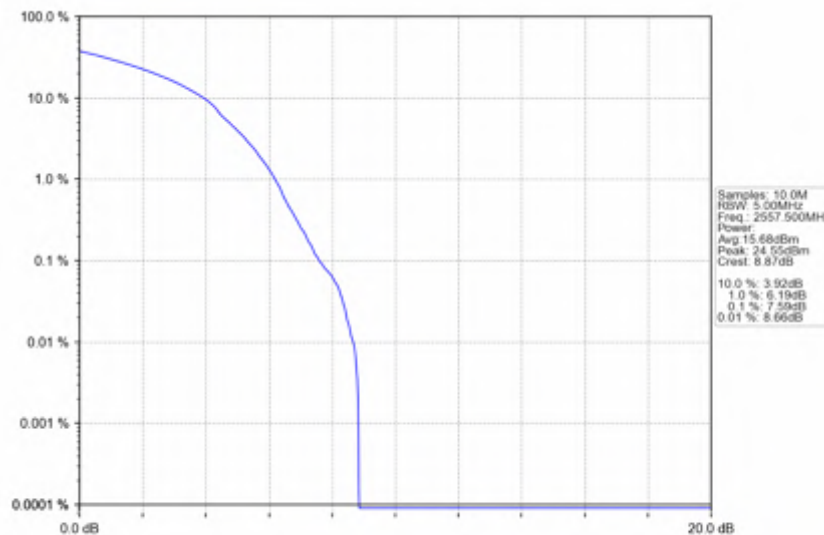
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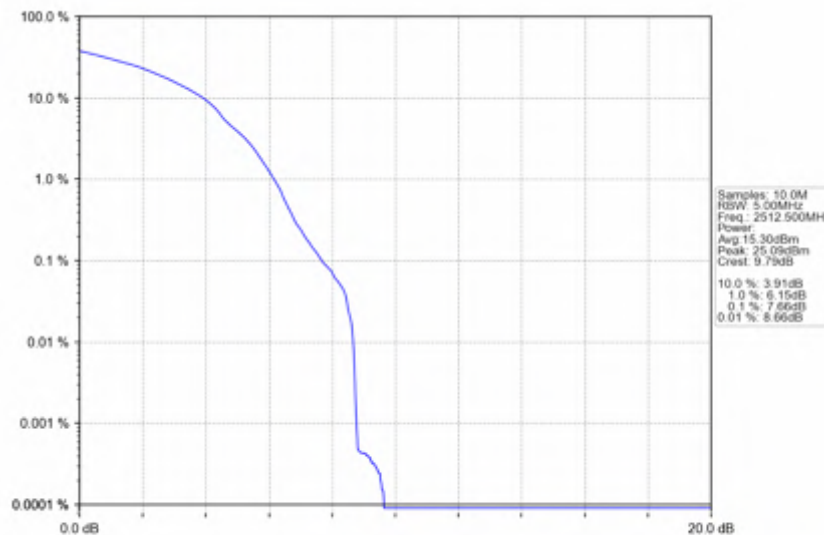
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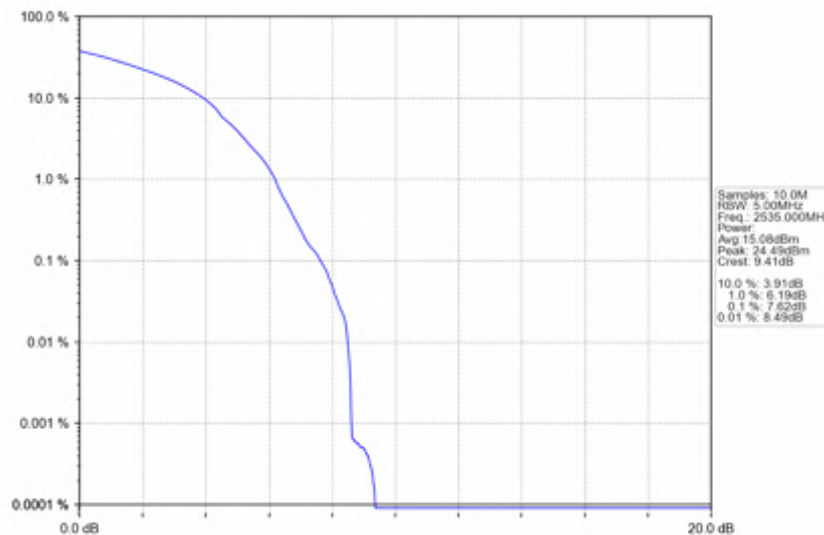
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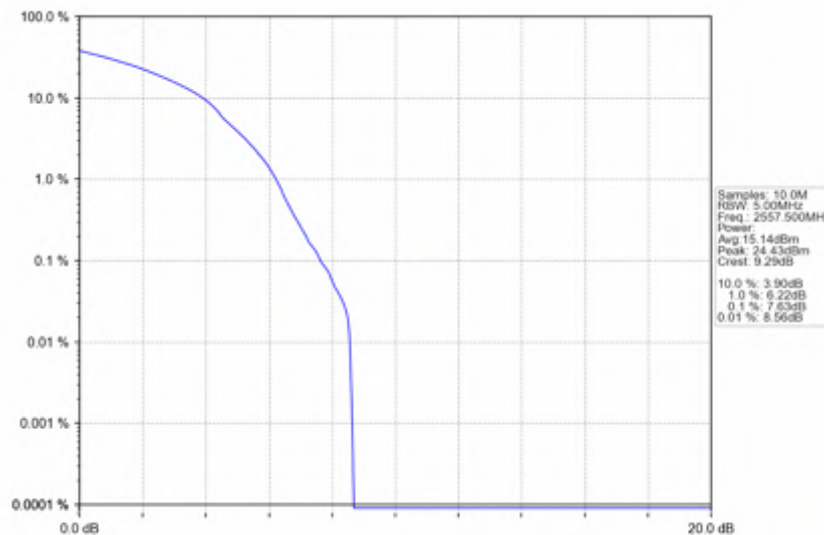
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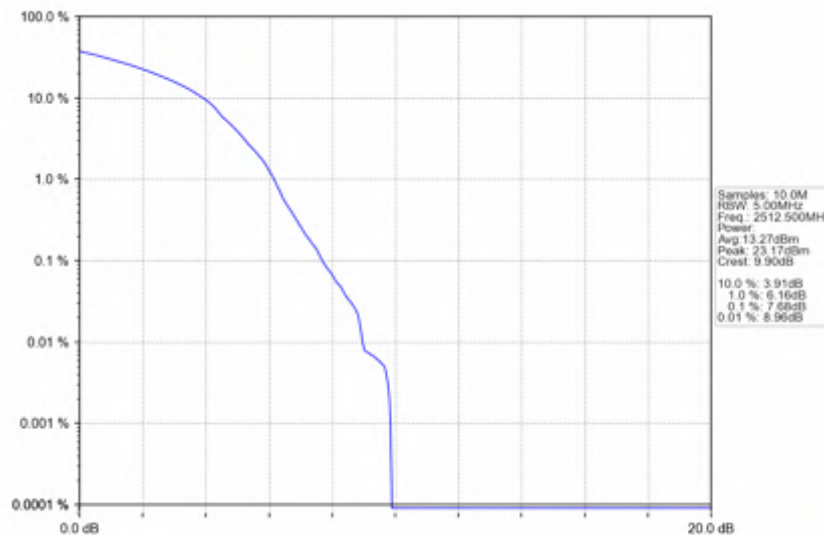
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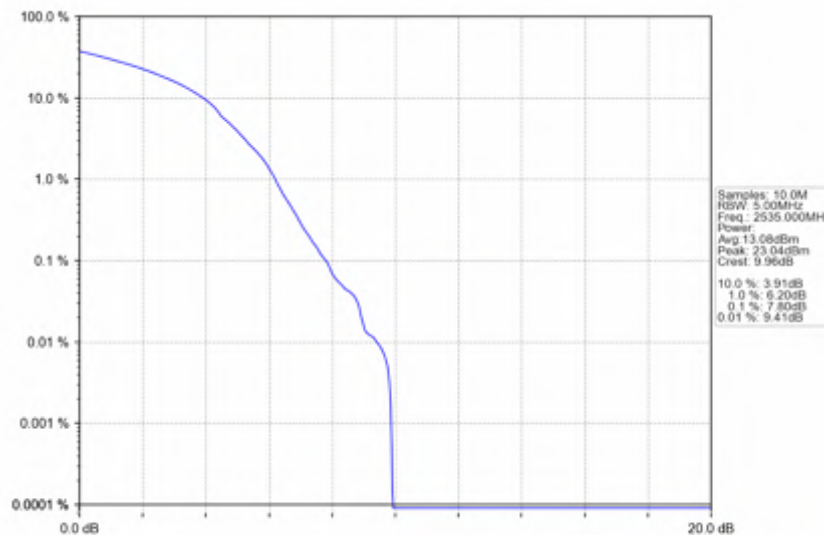
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n7_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full

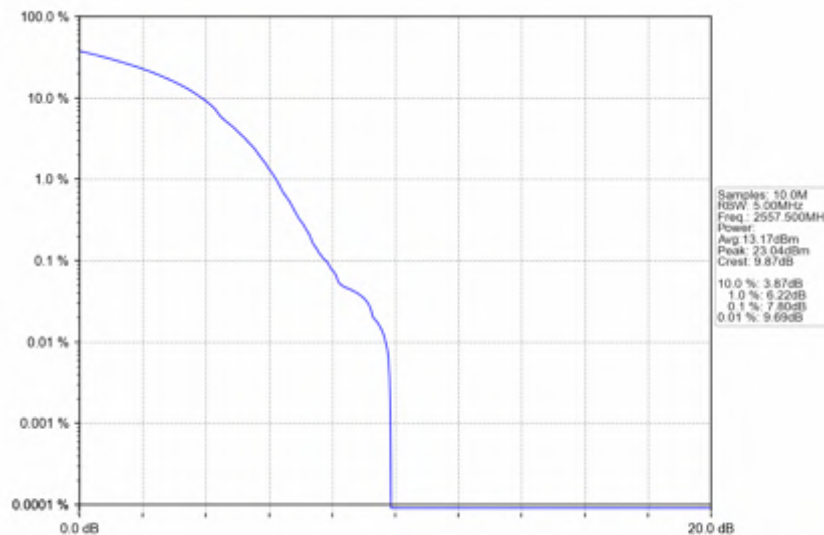


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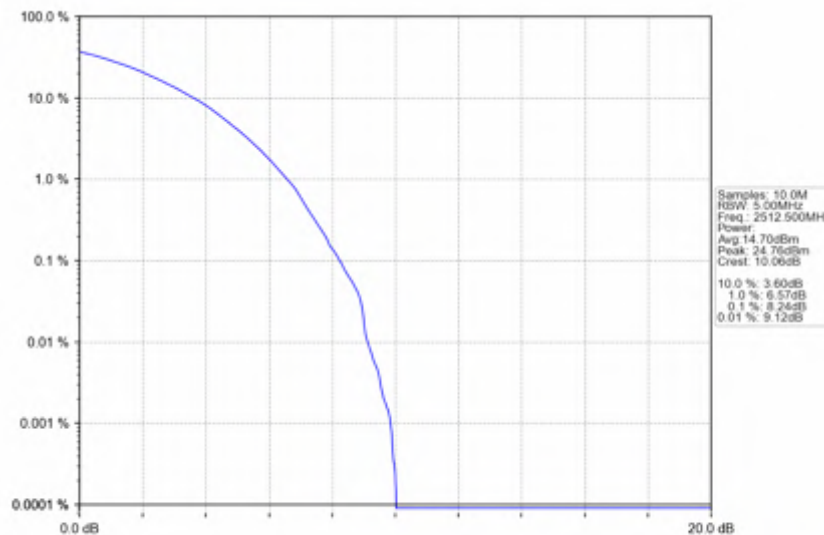
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n7_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM 256 QAM_2557.5MHz_Outer_Full



n7_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_2512.5MHz_Outer_Full

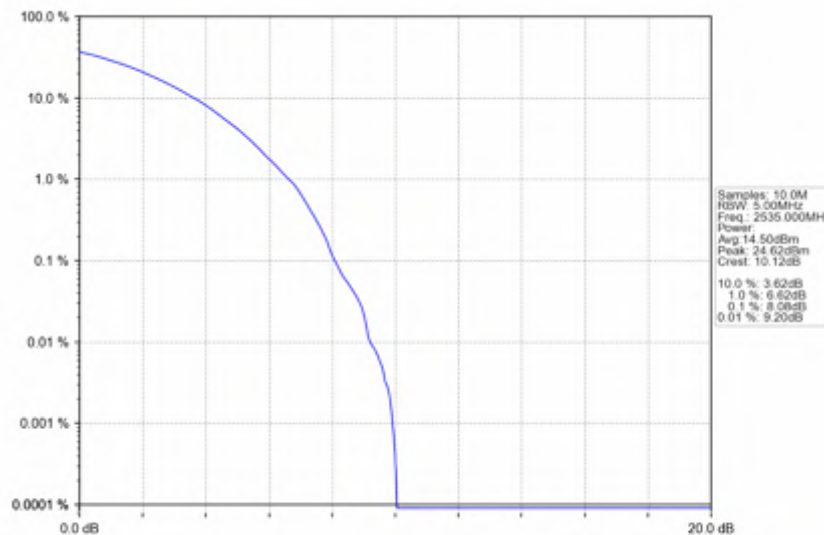


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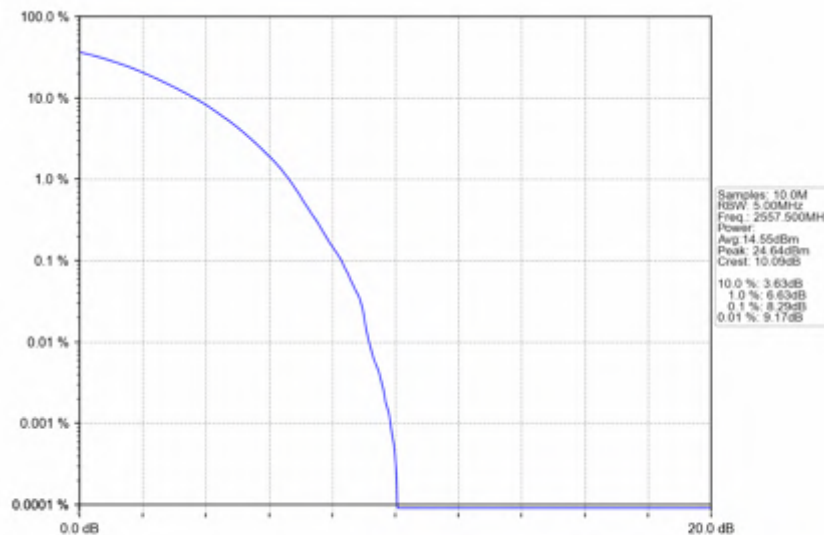
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n7_30kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_2535MHz_Outer_Full



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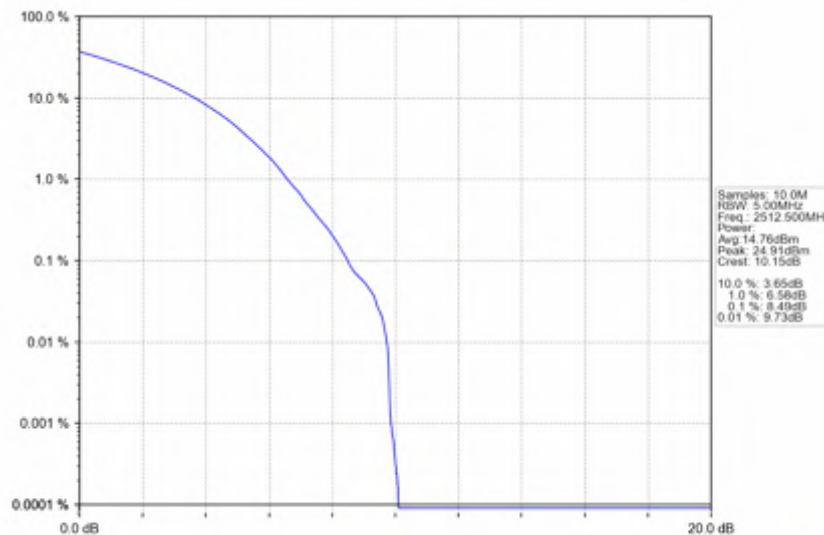
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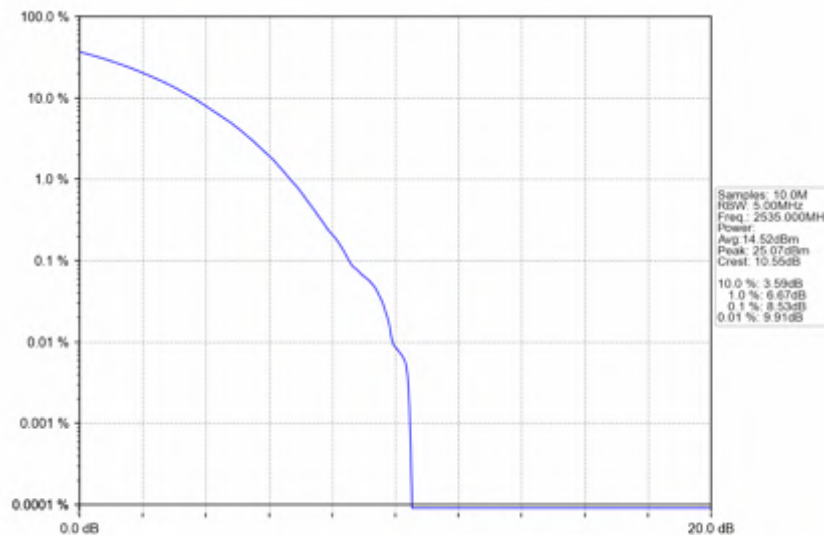
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n7_30kHz_SISO_NTNV_25MHz_CP-OFDM_16_QAM_2512.5MHz_Outer_Full



n7_30kHz_SISO_NTNV_25MHz_CP-OFDM_16_QAM_2535MHz_Outer_Full



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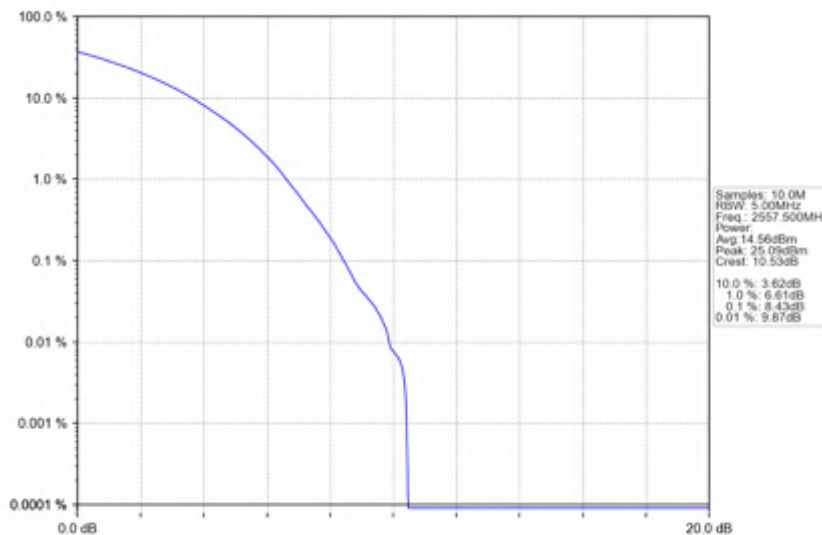
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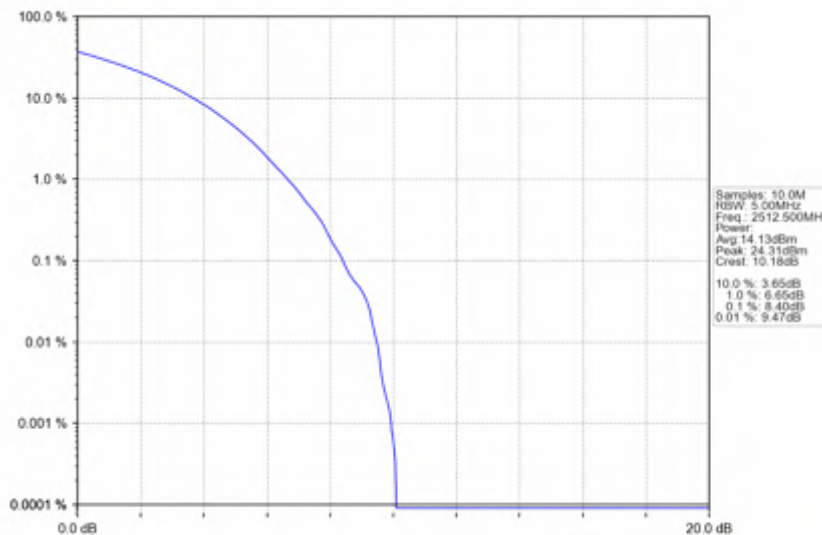
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n7_30kHz_SISO_NTNV_25MHz_CP-OFDM_16_QAM_2557.5MHz_Outer_Full



n7_30kHz_SISO_NTNV_25MHz_CP-OFDM_64_QAM_2512.5MHz_Outer_Full



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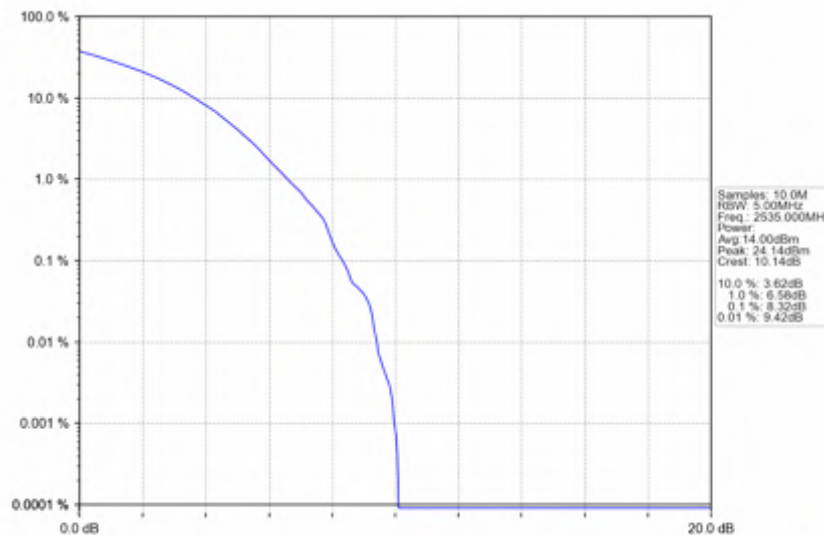
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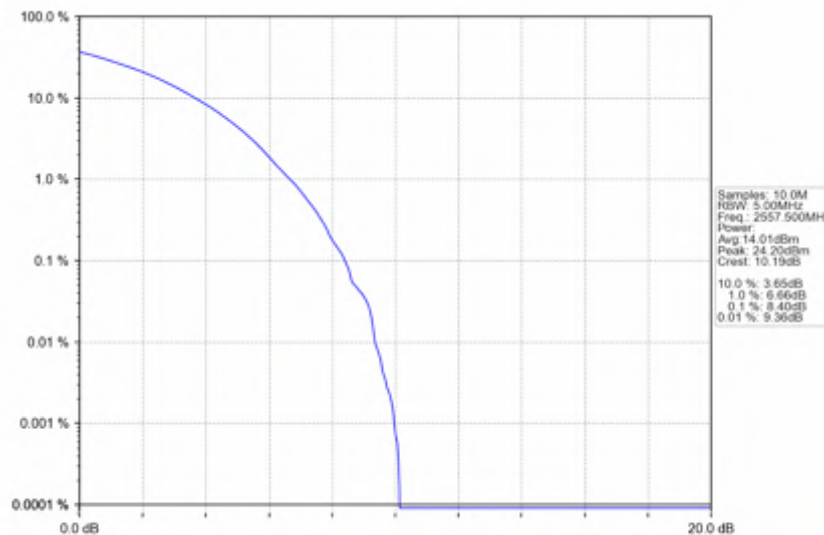
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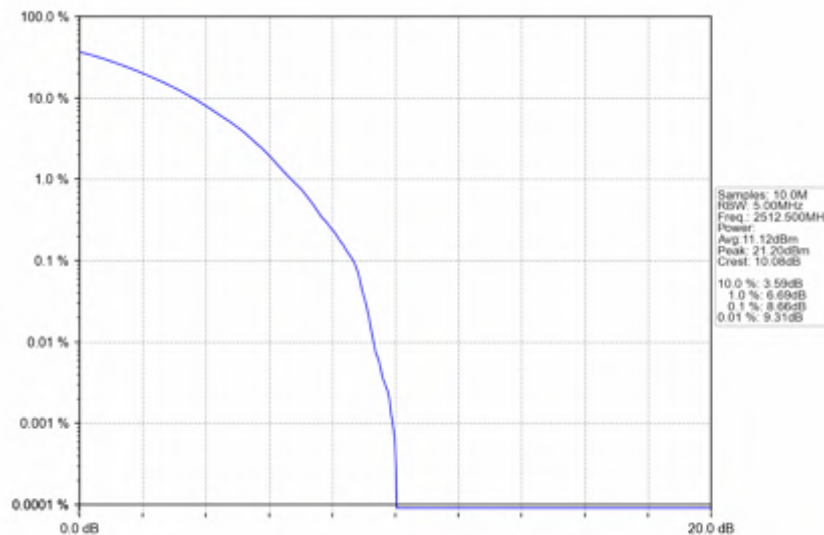
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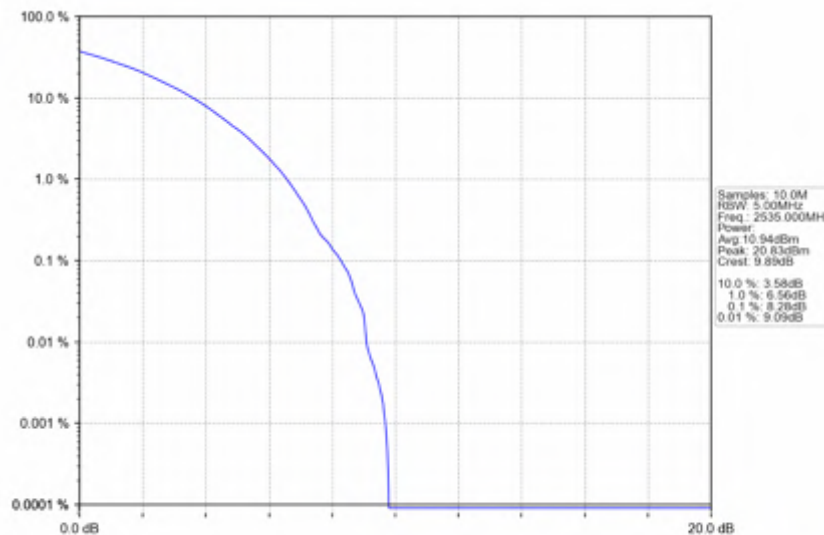
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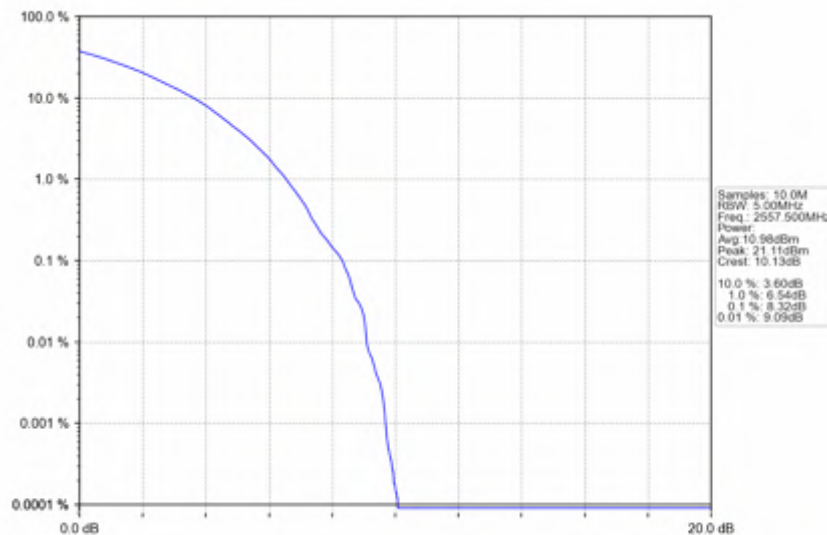
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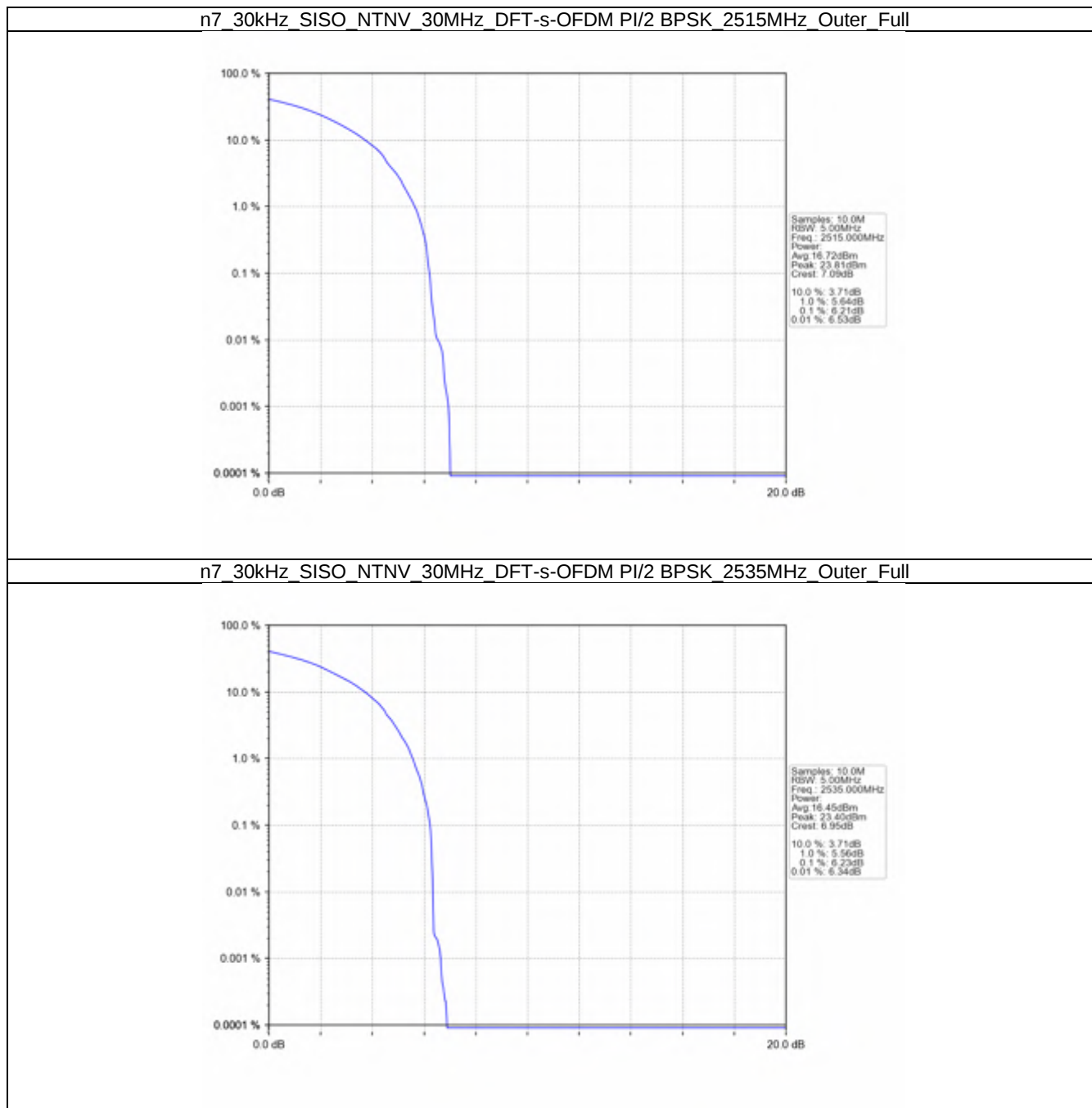
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3.13 30k_SISO_30MHz_NTNV

3.13.1 Test Result

5G NR n7 SCS=30kHz SISO 30MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2515	Outer_Full	6.21	/	/	<=13	Pass
	2535	Outer_Full	6.23	/	/	<=13	Pass
	2555	Outer_Full	6.33	/	/	<=13	Pass
DFT-s-OFDM QPSK	2515	Outer_Full	7.27	/	/	<=13	Pass
	2535	Outer_Full	7.29	/	/	<=13	Pass
	2555	Outer_Full	7.46	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2515	Outer_Full	7.89	/	/	<=13	Pass
	2535	Outer_Full	7.82	/	/	<=13	Pass
	2555	Outer_Full	7.47	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2515	Outer_Full	7.80	/	/	<=13	Pass
	2535	Outer_Full	7.70	/	/	<=13	Pass
	2555	Outer_Full	7.99	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2515	Outer_Full	7.83	/	/	<=13	Pass
	2535	Outer_Full	7.86	/	/	<=13	Pass
	2555	Outer_Full	7.96	/	/	<=13	Pass
CP-OFDM QPSK	2515	Outer_Full	8.30	/	/	<=13	Pass
	2535	Outer_Full	8.35	/	/	<=13	Pass
	2555	Outer_Full	8.43	/	/	<=13	Pass
CP-OFDM 16 QAM	2515	Outer_Full	8.37	/	/	<=13	Pass
	2535	Outer_Full	8.56	/	/	<=13	Pass
	2555	Outer_Full	8.55	/	/	<=13	Pass
CP-OFDM 64 QAM	2515	Outer_Full	8.32	/	/	<=13	Pass
	2535	Outer_Full	8.09	/	/	<=13	Pass
	2555	Outer_Full	8.41	/	/	<=13	Pass
CP-OFDM 256 QAM	2515	Outer_Full	8.40	/	/	<=13	Pass
	2535	Outer_Full	8.26	/	/	<=13	Pass
	2555	Outer_Full	8.52	/	/	<=13	Pass

3.13.2 Test Graph



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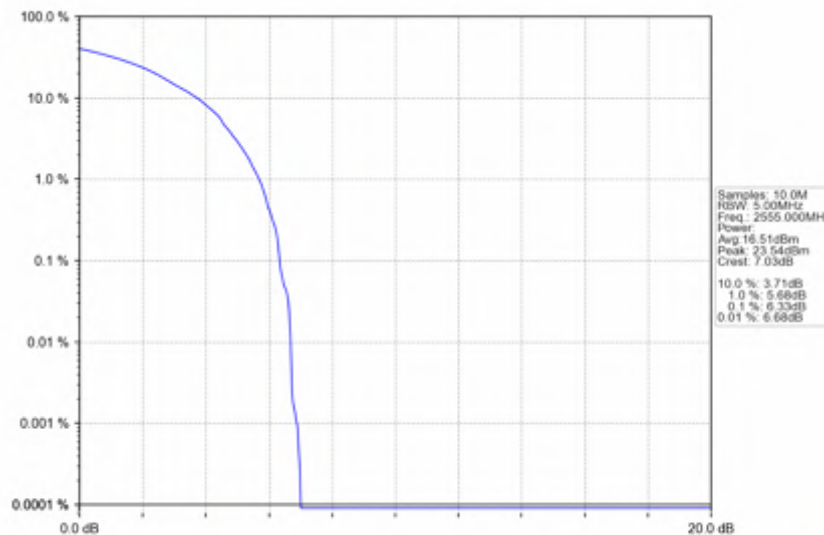
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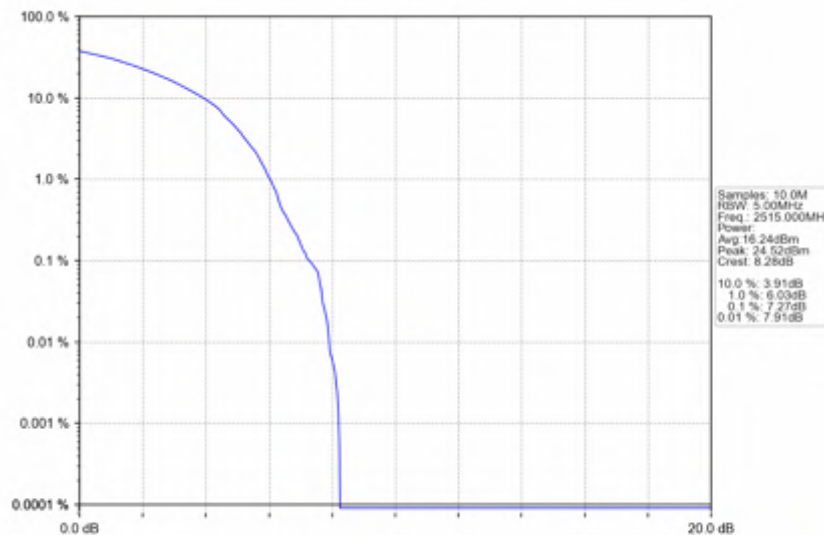
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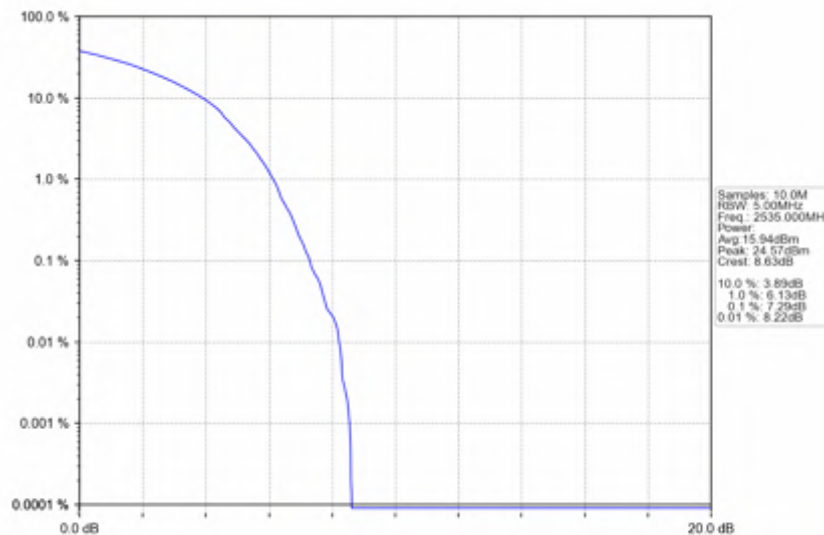
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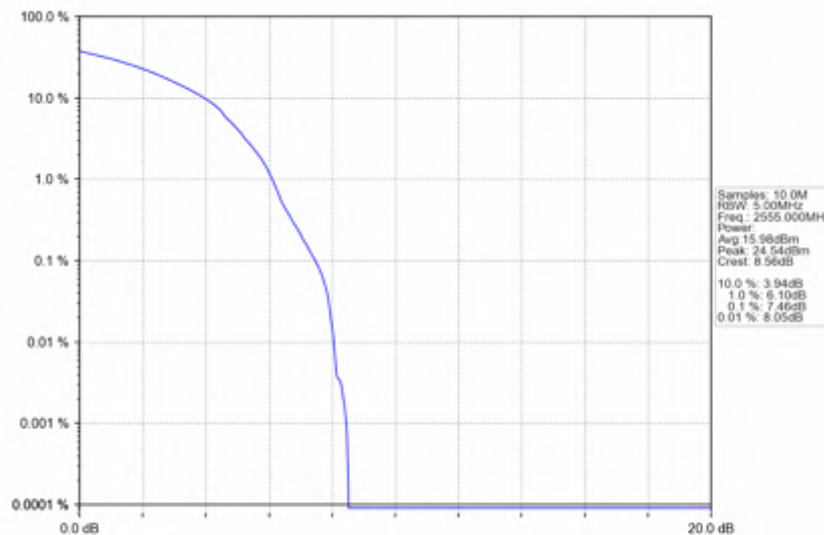
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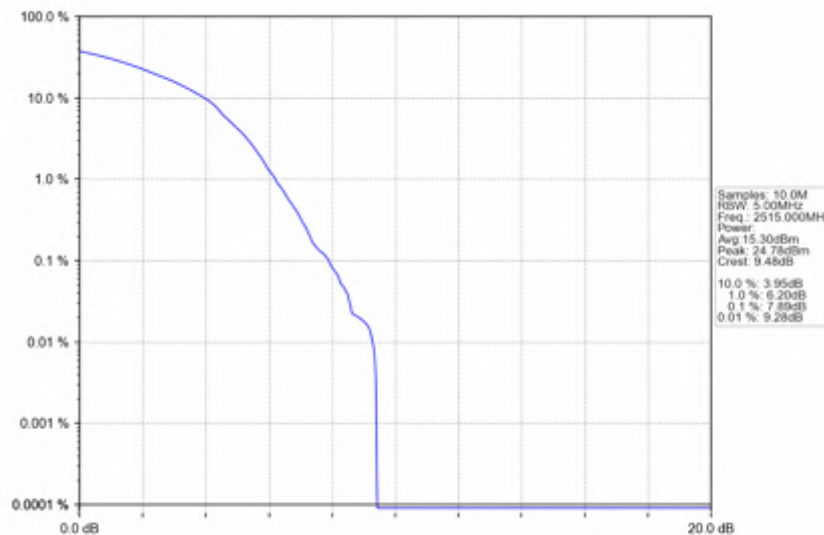


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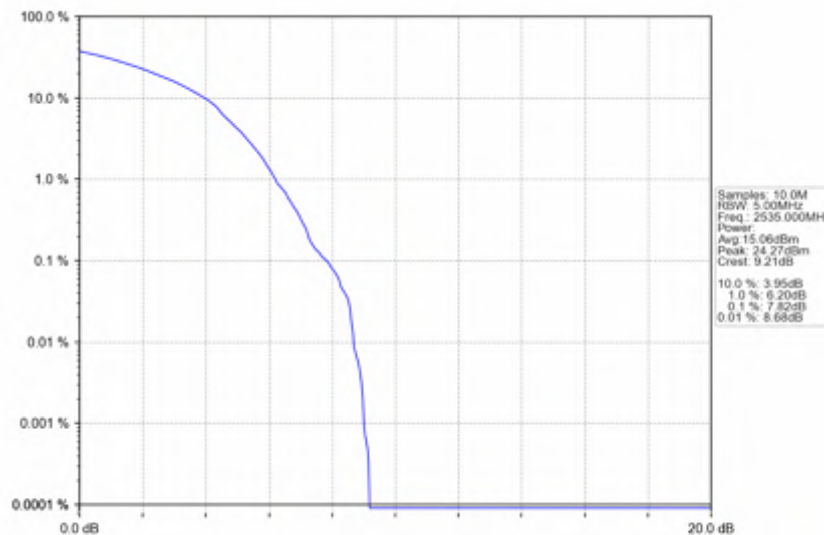
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n7_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_16_QAM_2515MHz_Outer_Full



n7_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_16_QAM_2535MHz_Outer_Full



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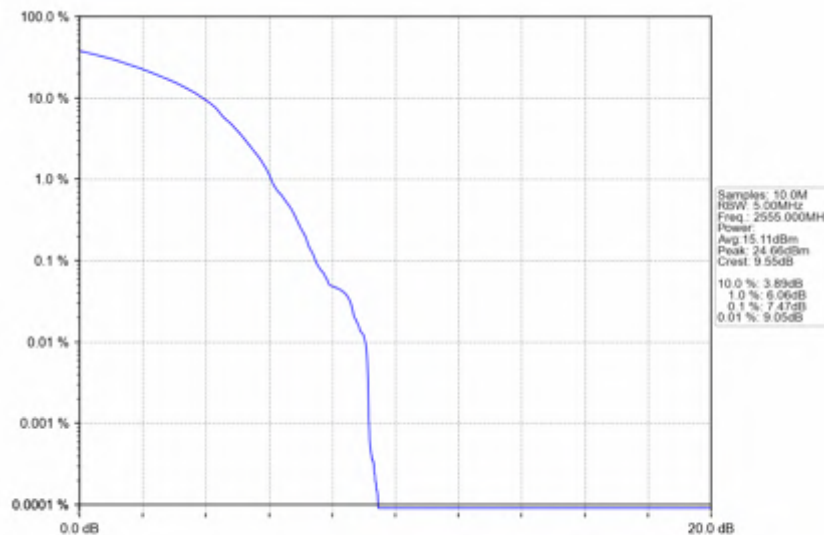
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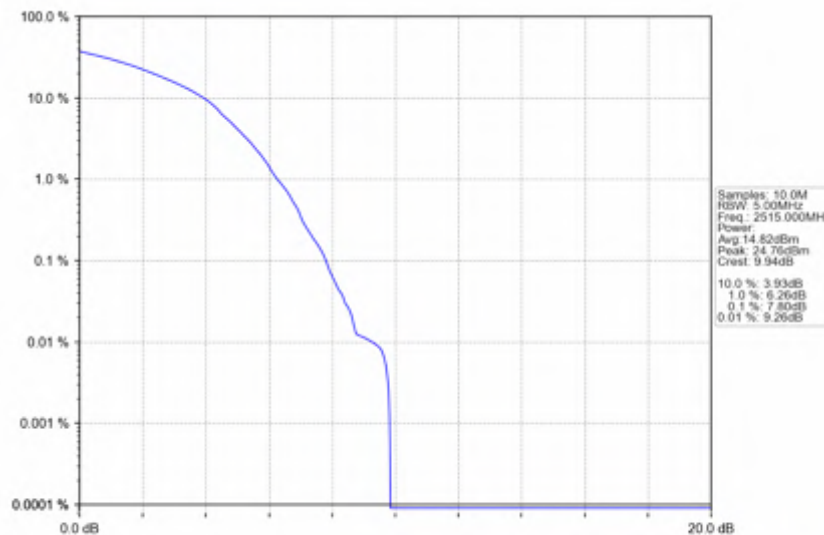
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n7_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_16_QAM_2555MHz_Outer_Full



n7_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_64_QAM_2515MHz_Outer_Full

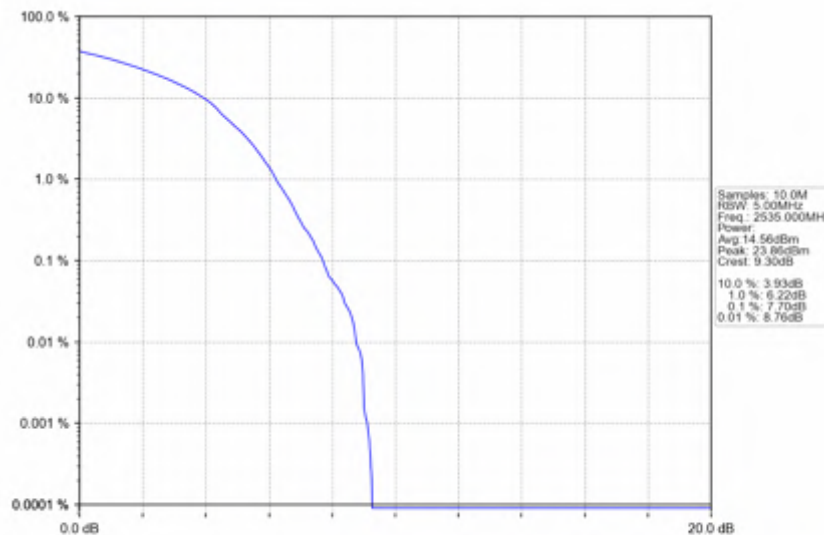


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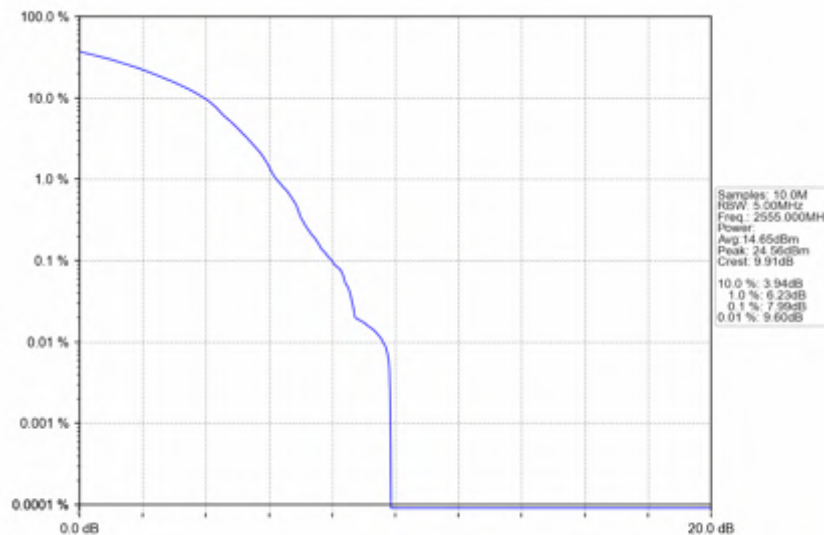
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n7_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_64_QAM_2535MHz_Outer_Full



n7_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_64_QAM_2555MHz_Outer_Full



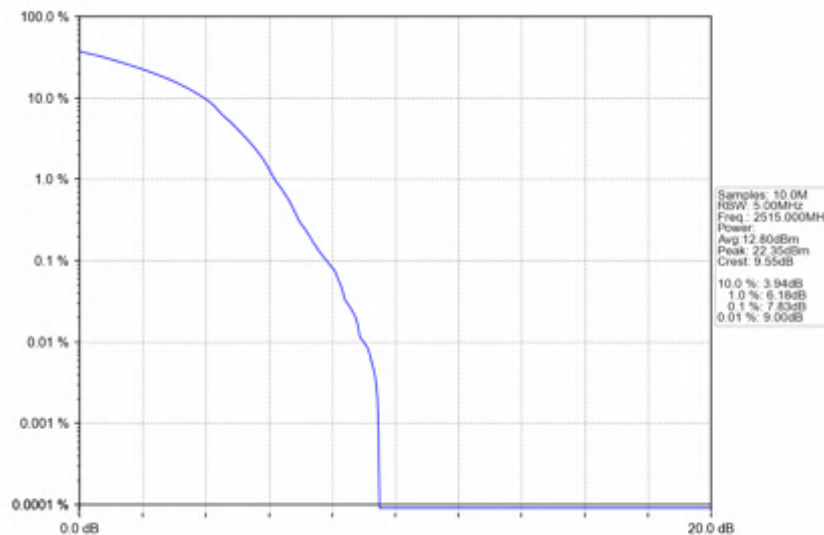
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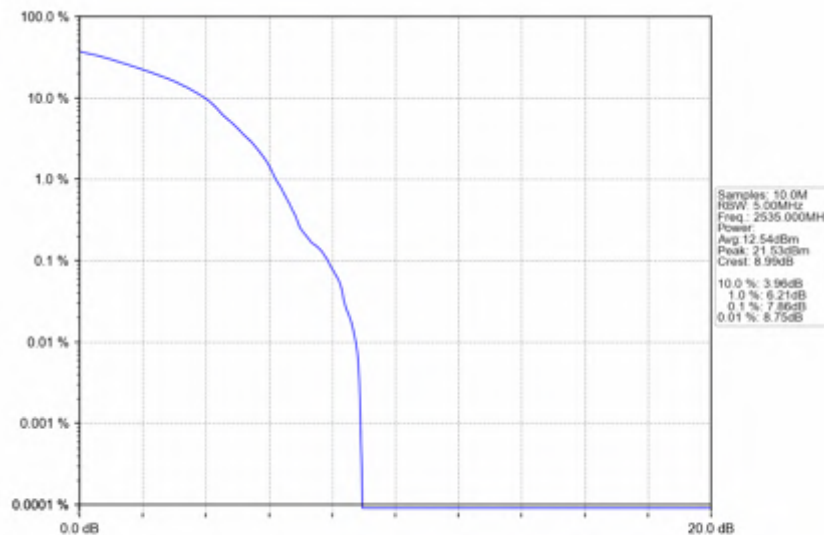
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n7_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_256_QAM_2515MHz_Outer_Full



n7_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_256_QAM_2535MHz_Outer_Full



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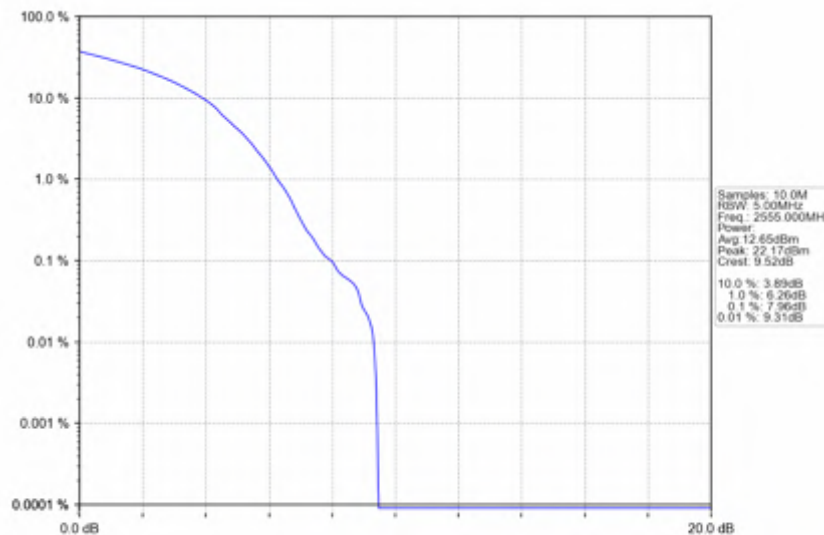
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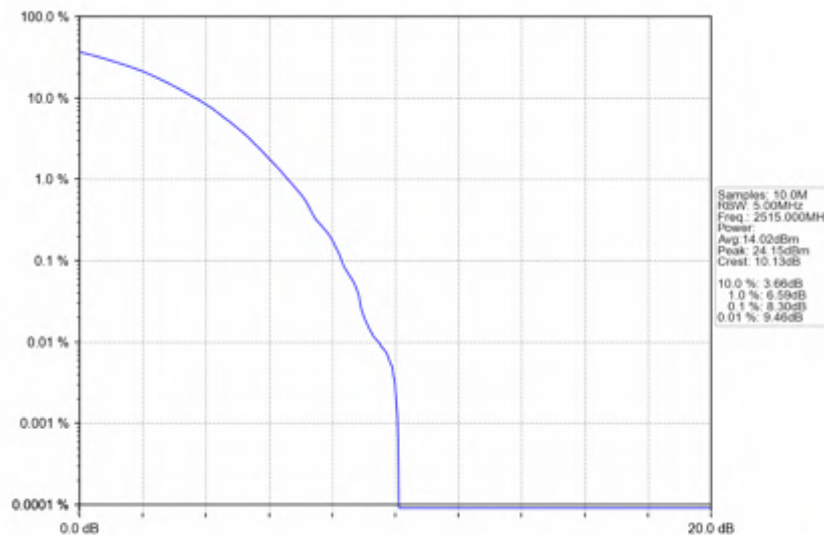
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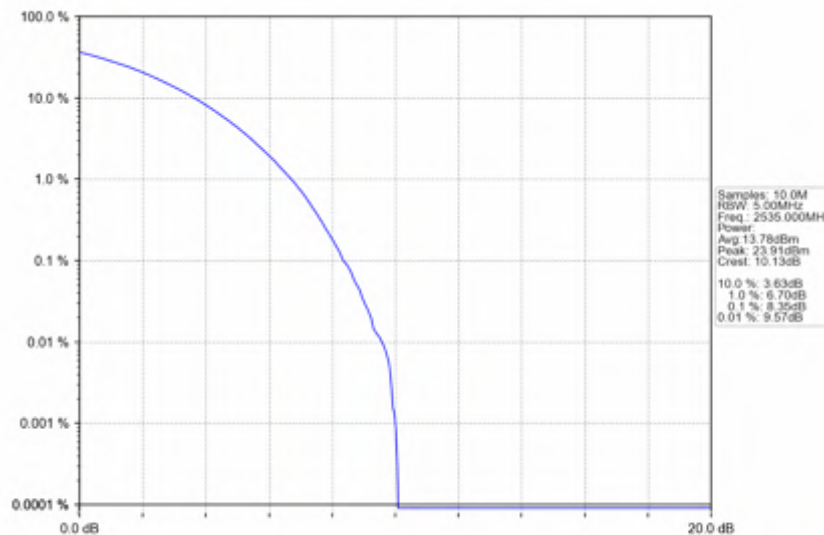


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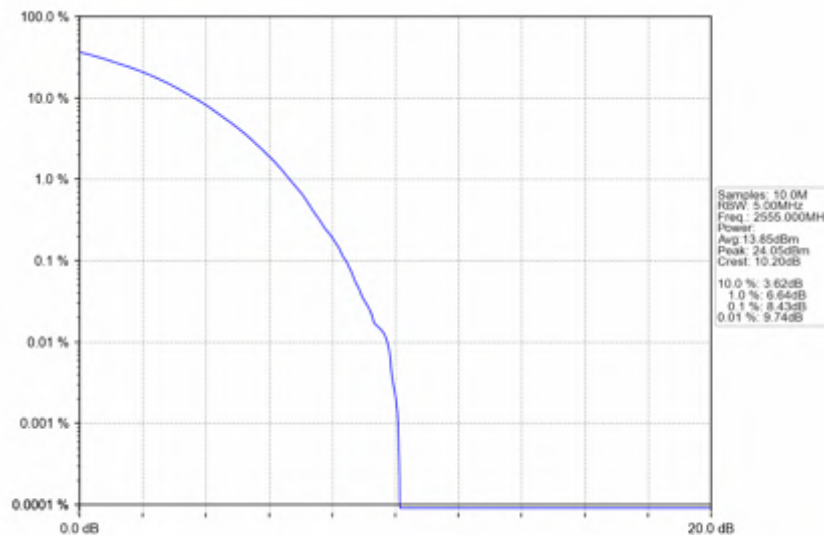
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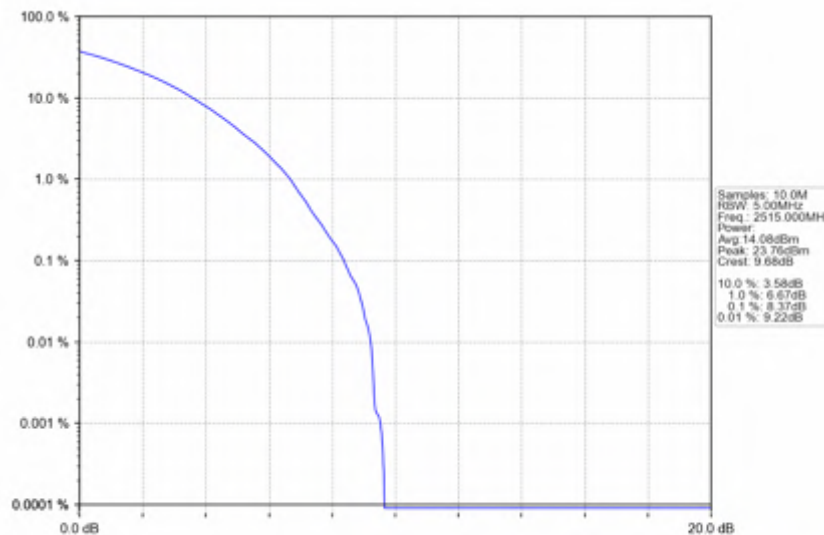


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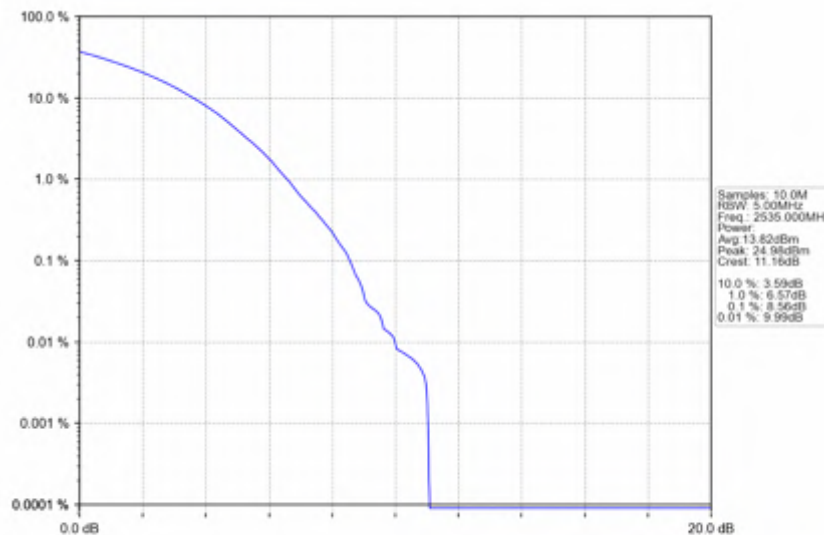
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n7_30kHz_SISO_NTNV_30MHz_CP-OFDM_16_QAM_2515MHz_Outer_Full



n7_30kHz_SISO_NTNV_30MHz_CP-OFDM_16_QAM_2535MHz_Outer_Full



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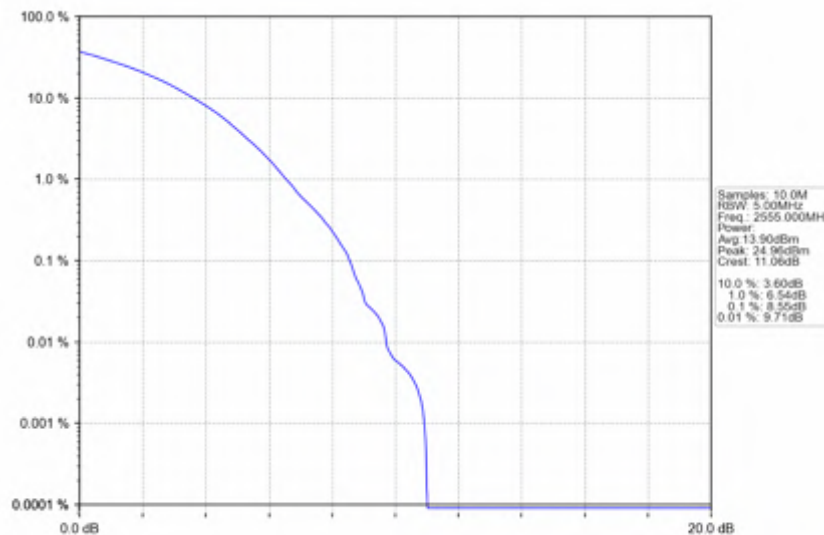
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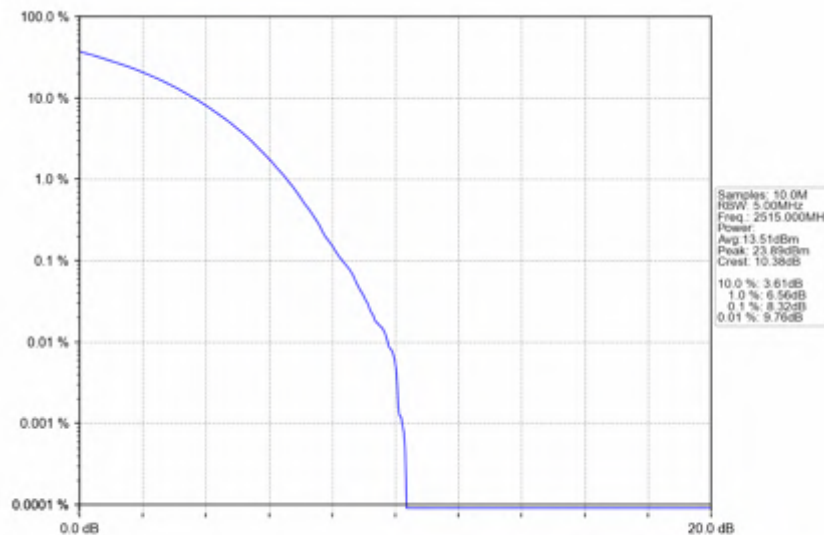
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n7_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_2515MHz_Outer_Full

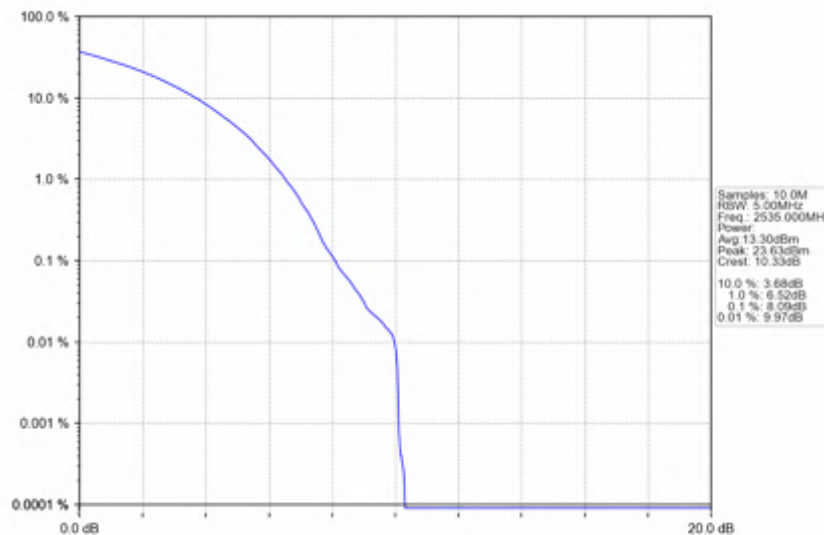


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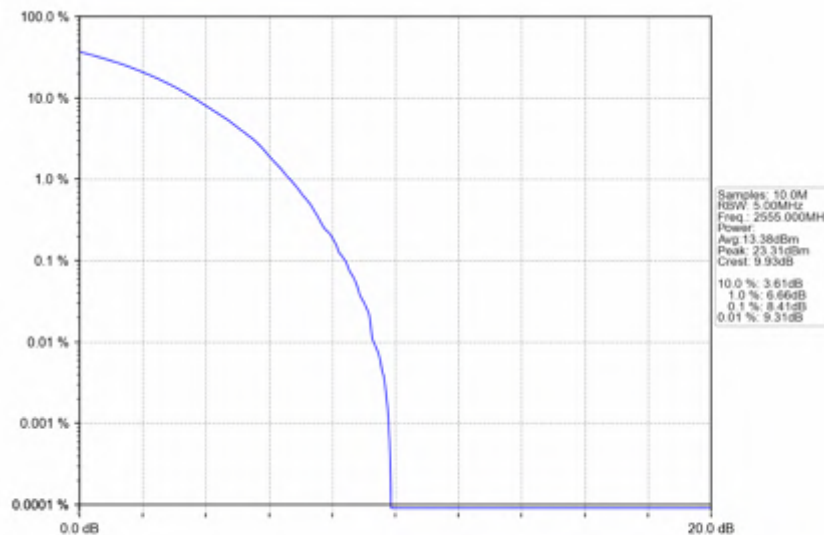
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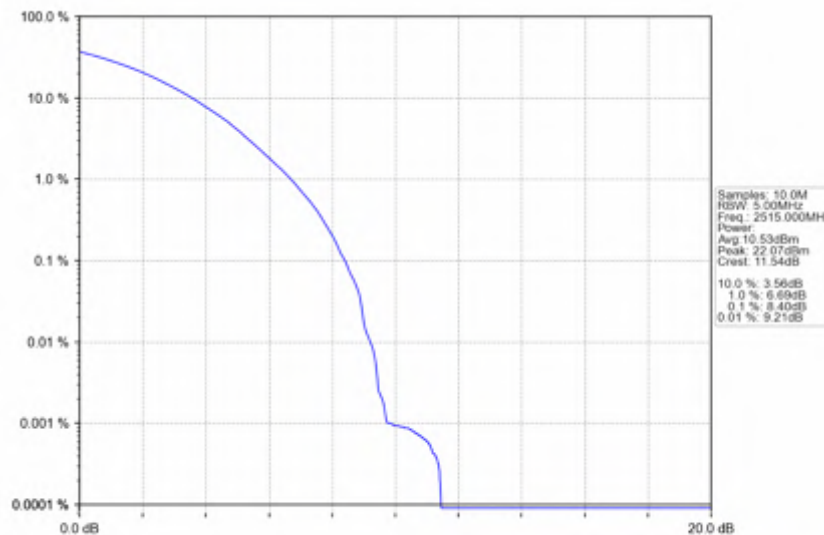
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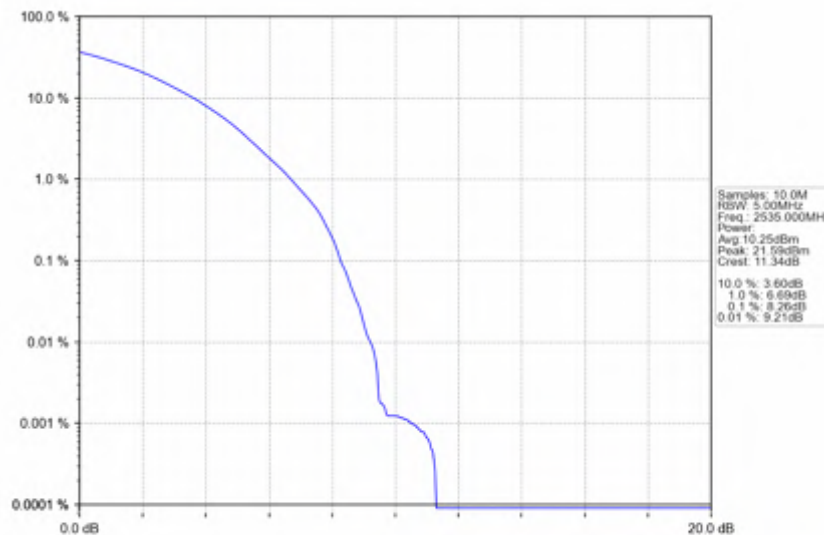
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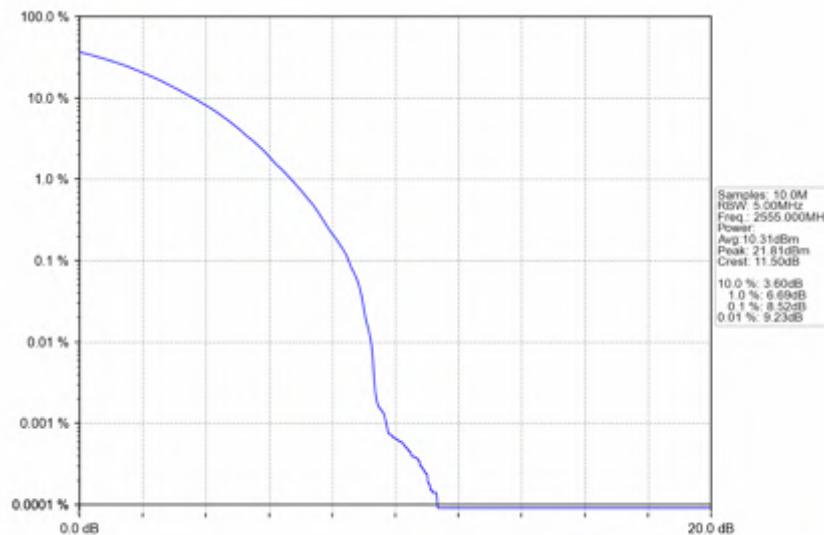


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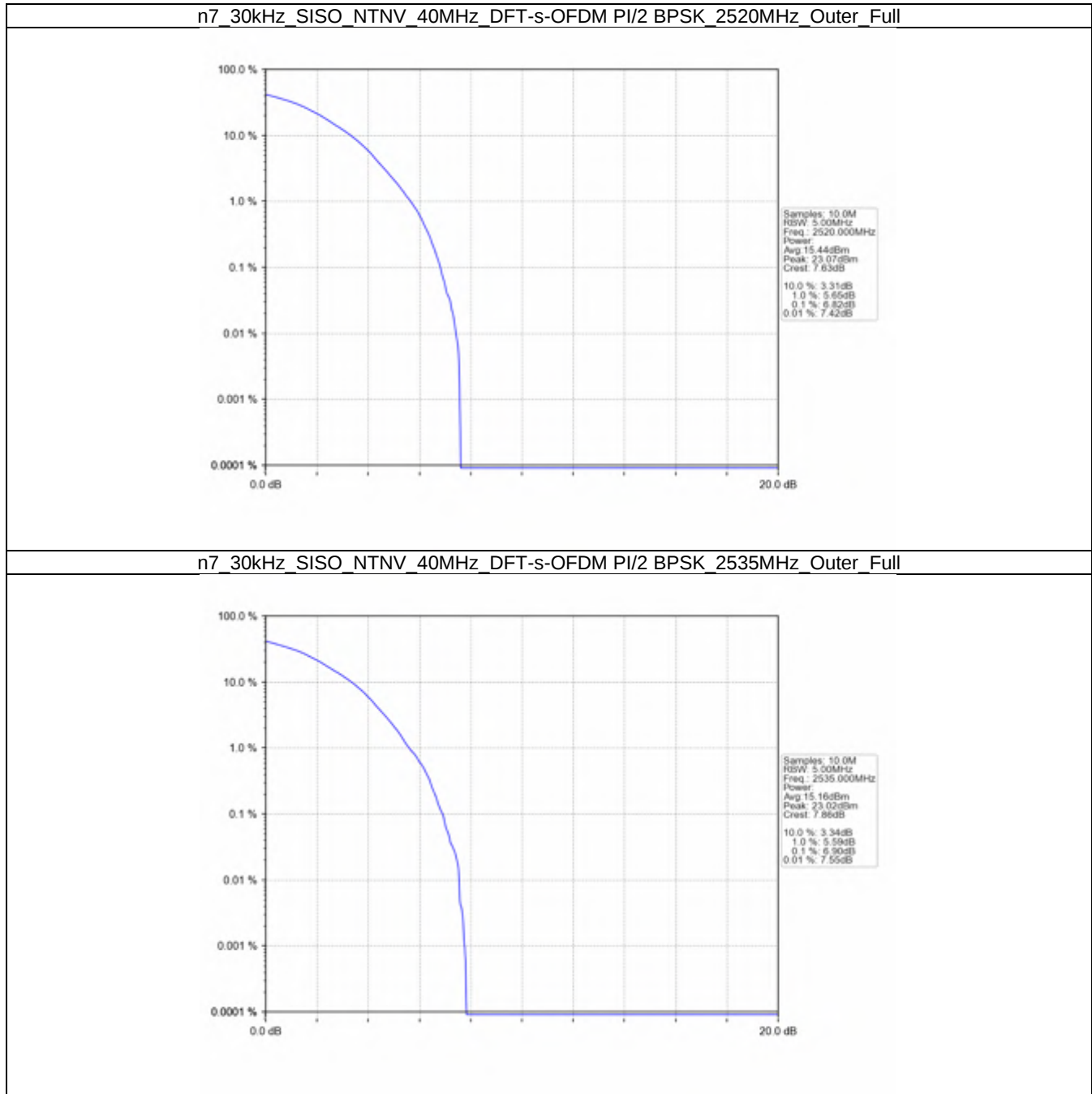
3.14 30k_SISO_40MHz_NTNV

3.14.1 Test Result

5G NR n7 SCS=30kHz SISO 40MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2520	Outer_Full	6.82	/	/	<=13	Pass
	2535	Outer_Full	6.90	/	/	<=13	Pass
	2550	Outer_Full	6.79	/	/	<=13	Pass
DFT-s-OFDM QPSK	2520	Outer_Full	7.15	/	/	<=13	Pass
	2535	Outer_Full	7.66	/	/	<=13	Pass
	2550	Outer_Full	7.16	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2520	Outer_Full	7.79	/	/	<=13	Pass
	2535	Outer_Full	7.80	/	/	<=13	Pass
	2550	Outer_Full	7.80	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2520	Outer_Full	7.69	/	/	<=13	Pass
	2535	Outer_Full	7.70	/	/	<=13	Pass
	2550	Outer_Full	7.93	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2520	Outer_Full	8.82	/	/	<=13	Pass
	2535	Outer_Full	8.07	/	/	<=13	Pass
	2550	Outer_Full	7.99	/	/	<=13	Pass
CP-OFDM QPSK	2520	Outer_Full	8.14	/	/	<=13	Pass
	2535	Outer_Full	8.41	/	/	<=13	Pass
	2550	Outer_Full	8.27	/	/	<=13	Pass
CP-OFDM 16 QAM	2520	Outer_Full	8.49	/	/	<=13	Pass
	2535	Outer_Full	8.63	/	/	<=13	Pass
	2550	Outer_Full	8.48	/	/	<=13	Pass
CP-OFDM 64 QAM	2520	Outer_Full	8.53	/	/	<=13	Pass
	2535	Outer_Full	8.93	/	/	<=13	Pass
	2550	Outer_Full	8.76	/	/	<=13	Pass
CP-OFDM 256 QAM	2520	Outer_Full	8.51	/	/	<=13	Pass
	2535	Outer_Full	8.73	/	/	<=13	Pass
	2550	Outer_Full	8.57	/	/	<=13	Pass



3.14.2 Test Graph



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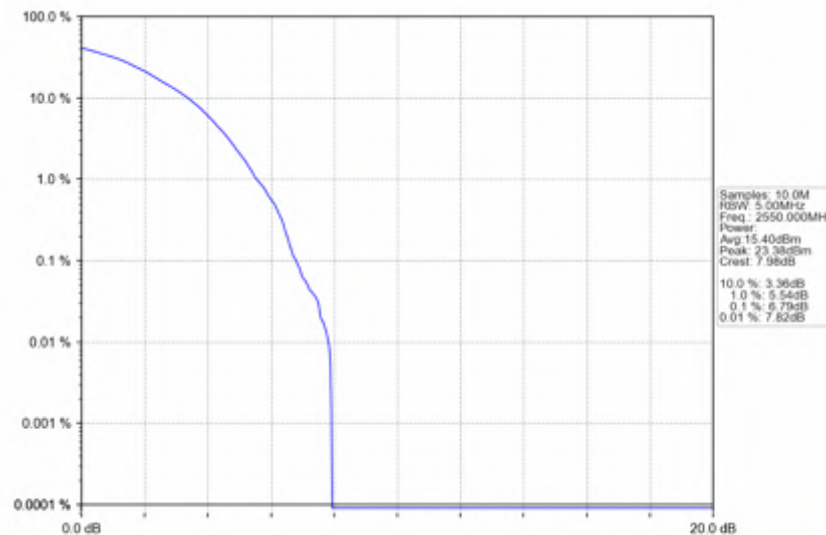
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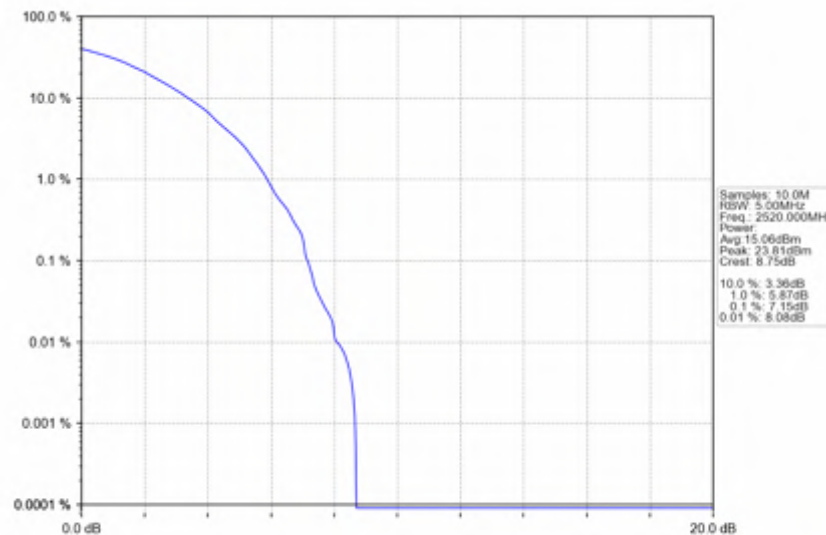
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n7_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_2520MHz_Outer_Full



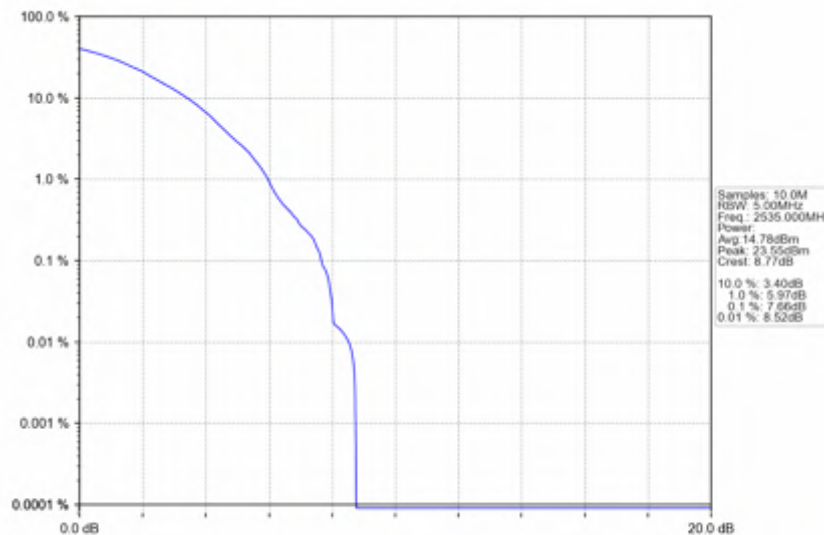
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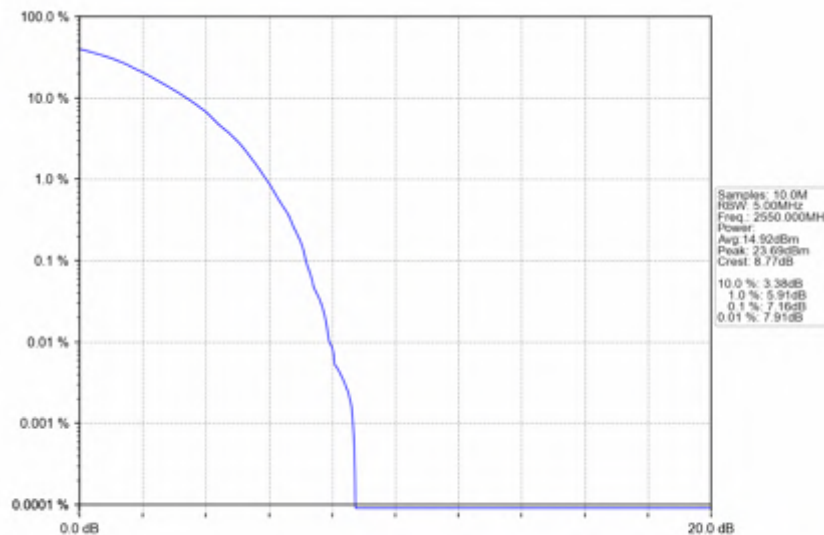
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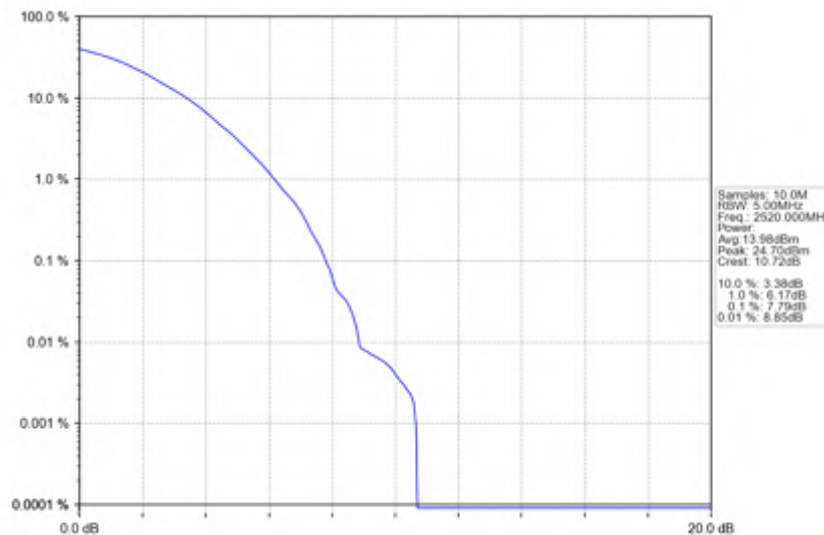


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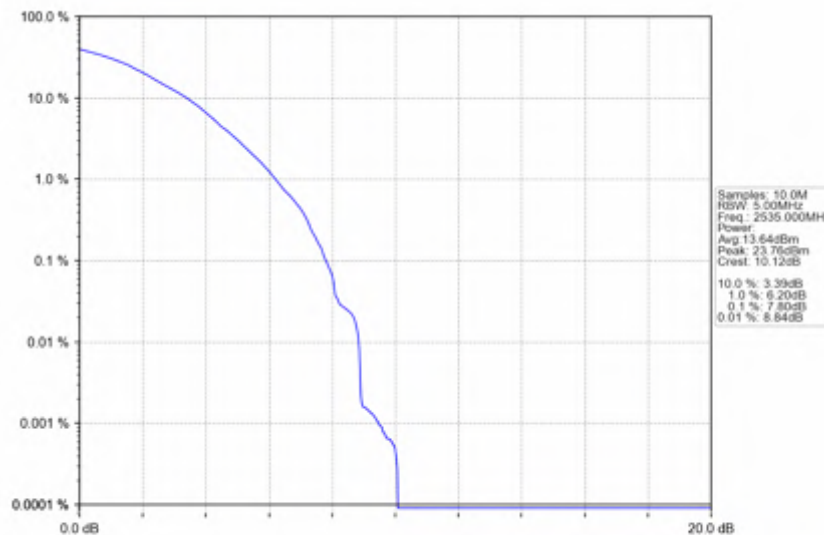
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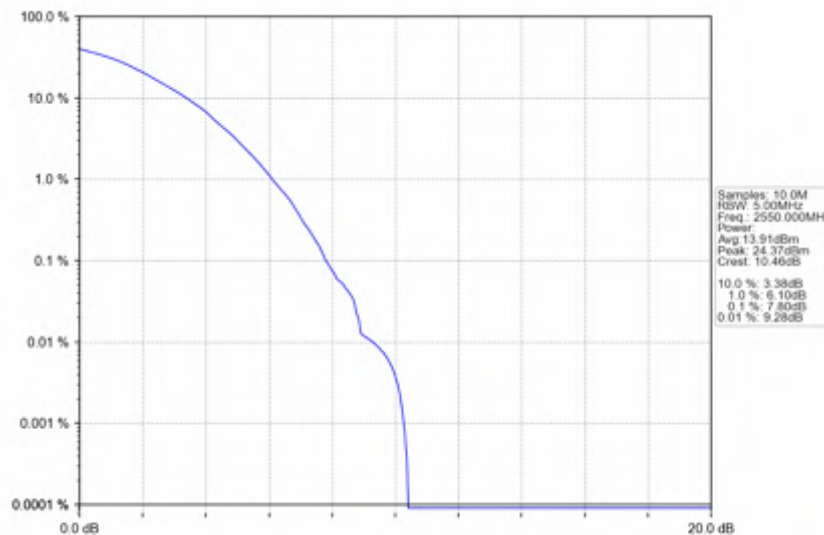


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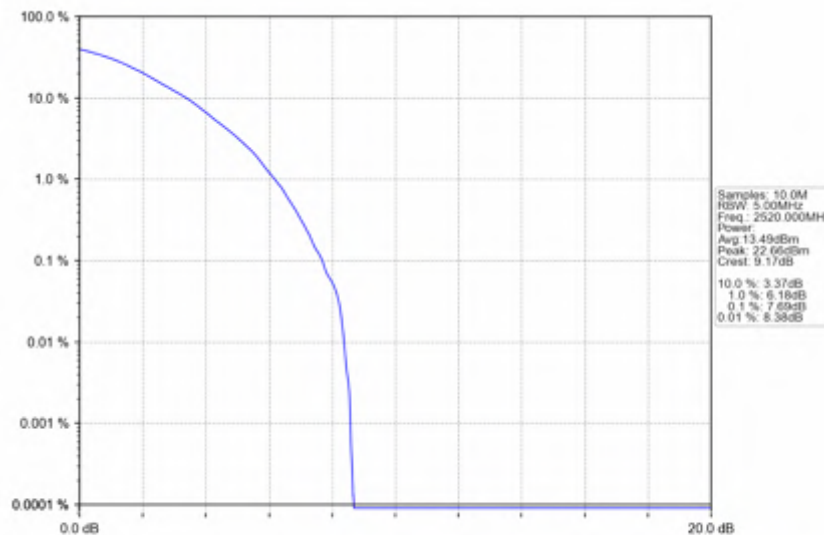
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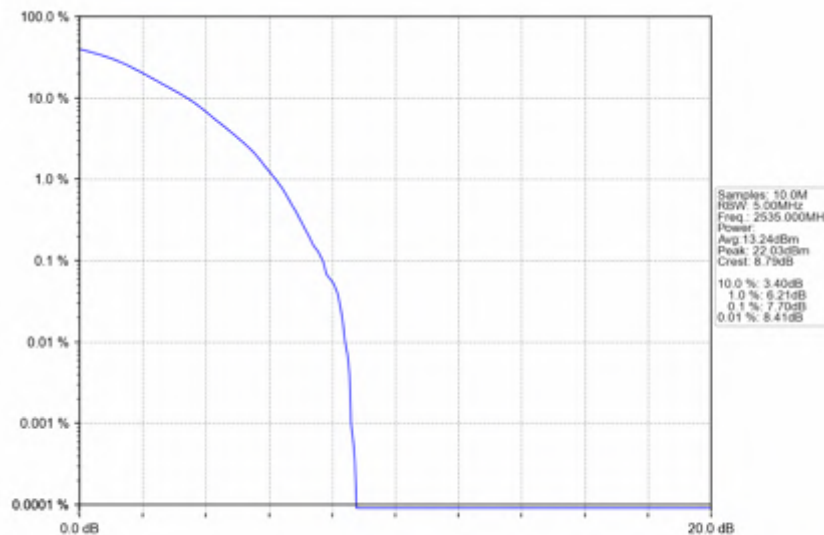
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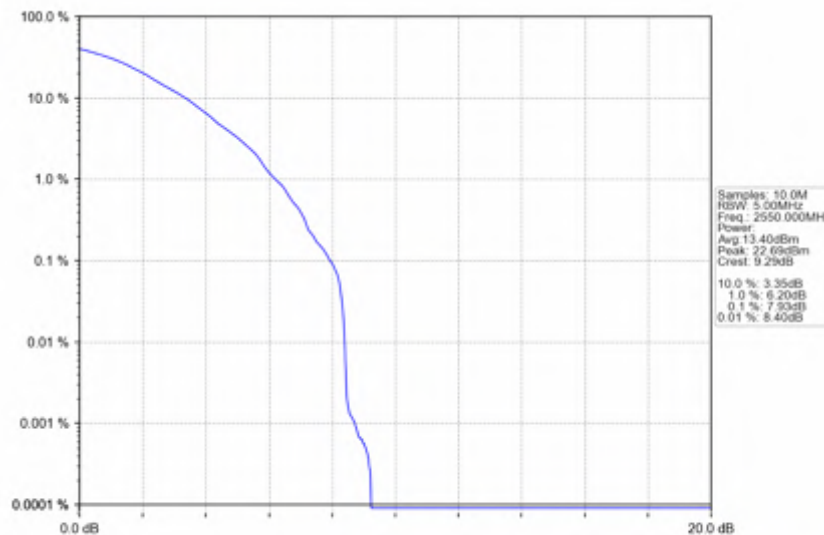
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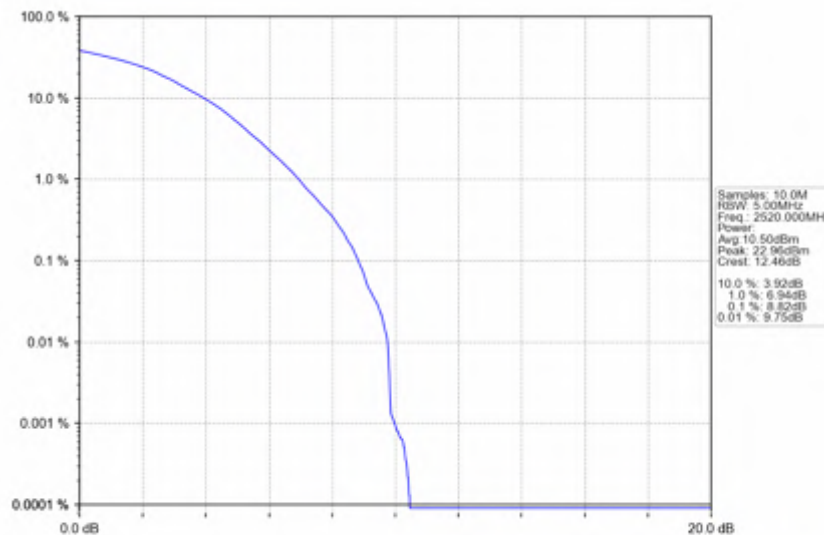
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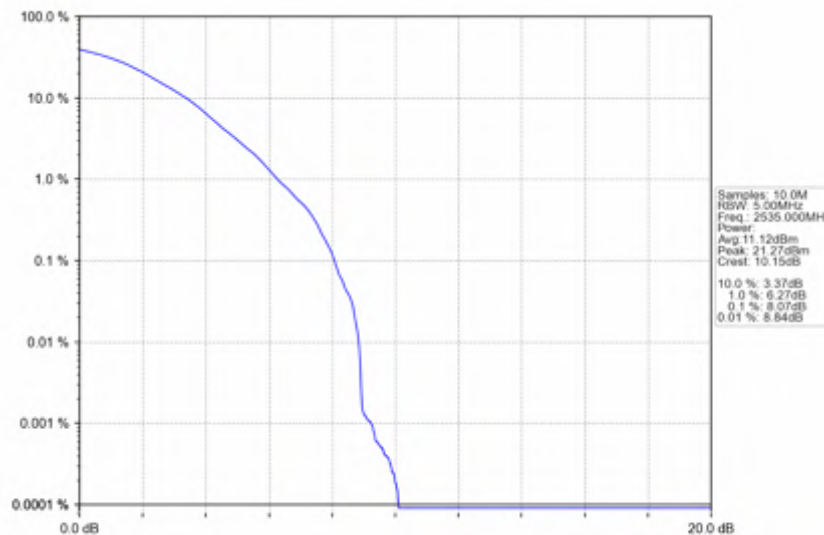
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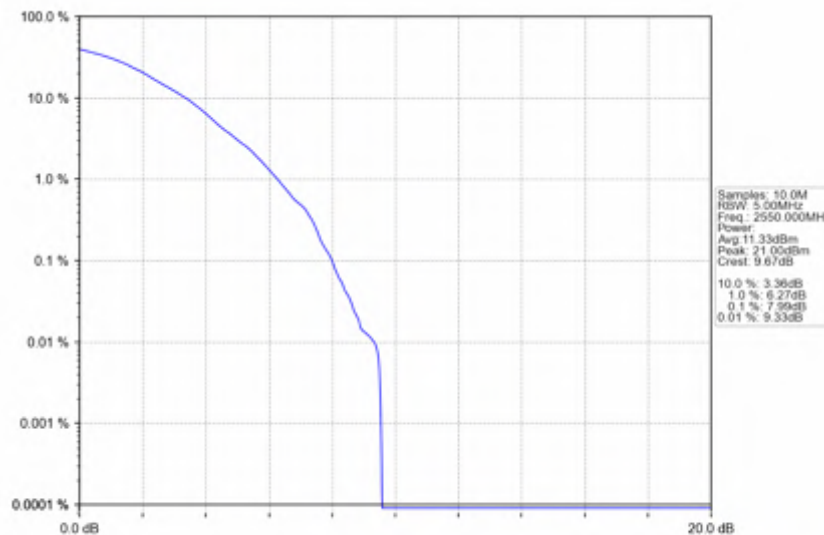
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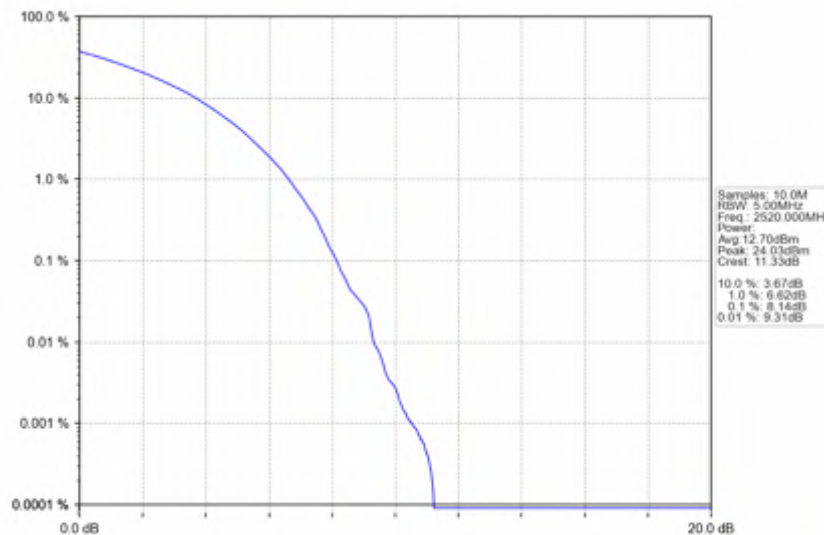
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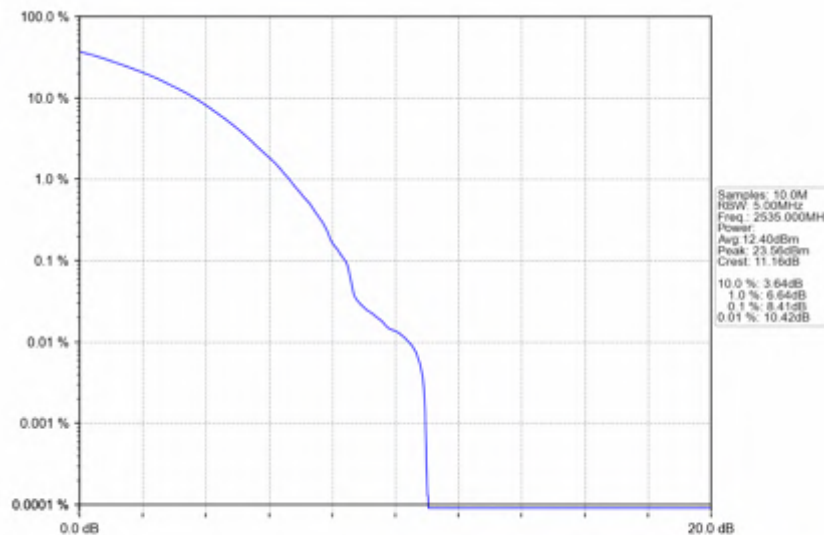
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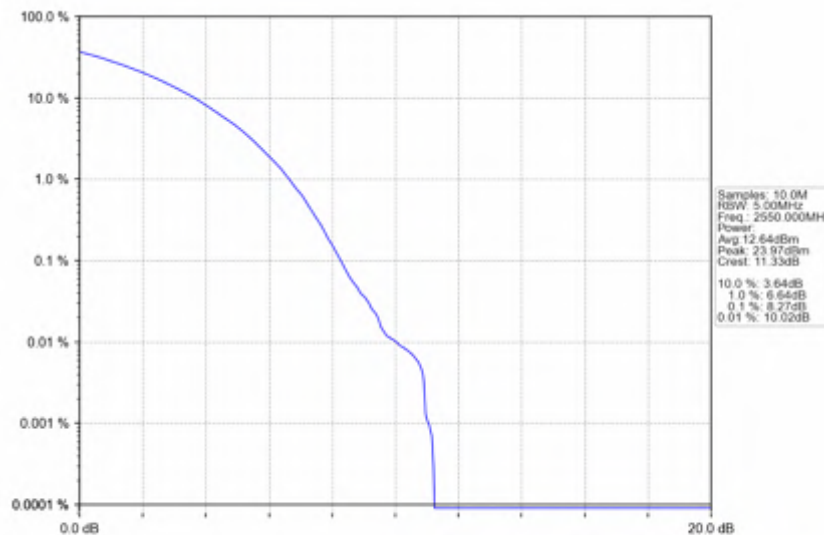
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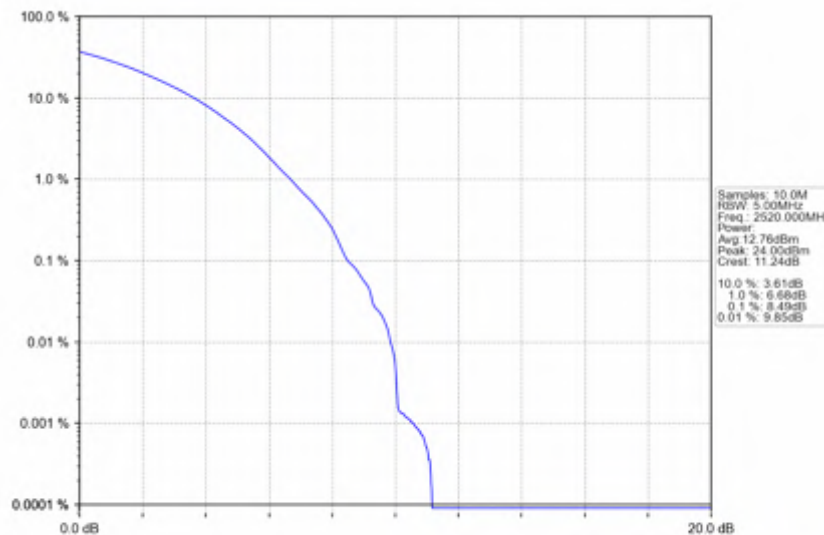


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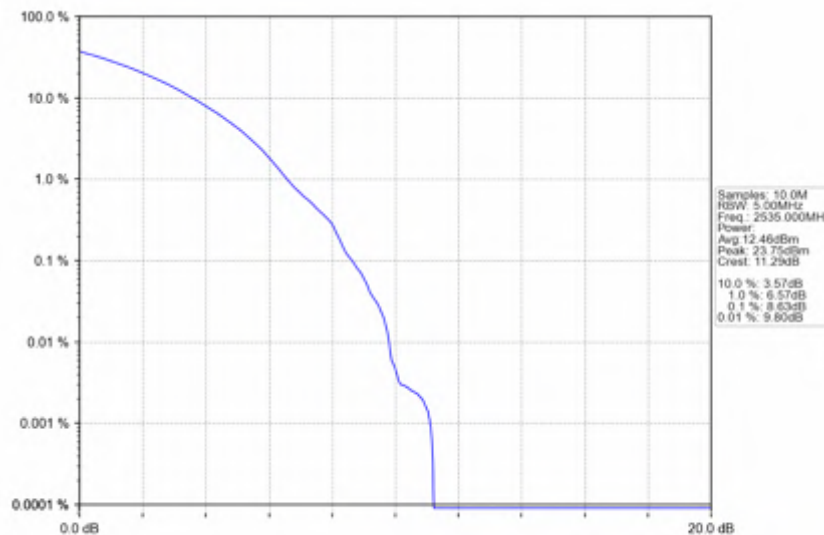
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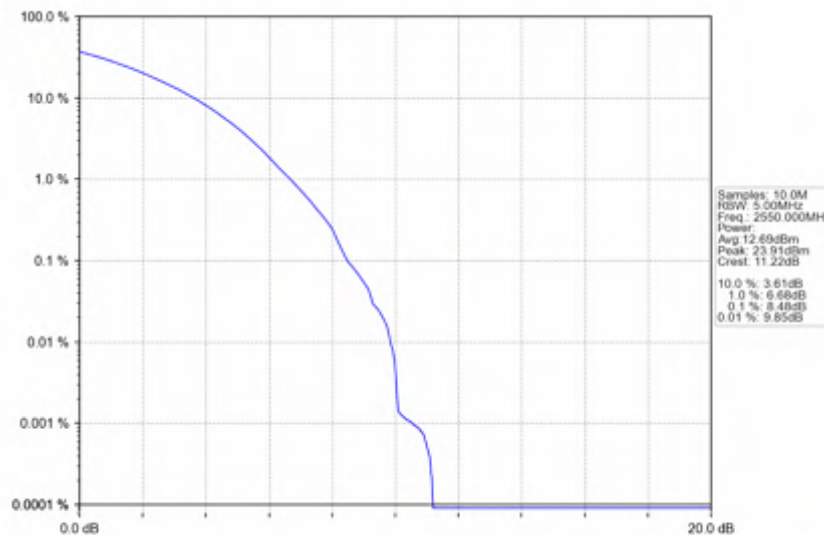


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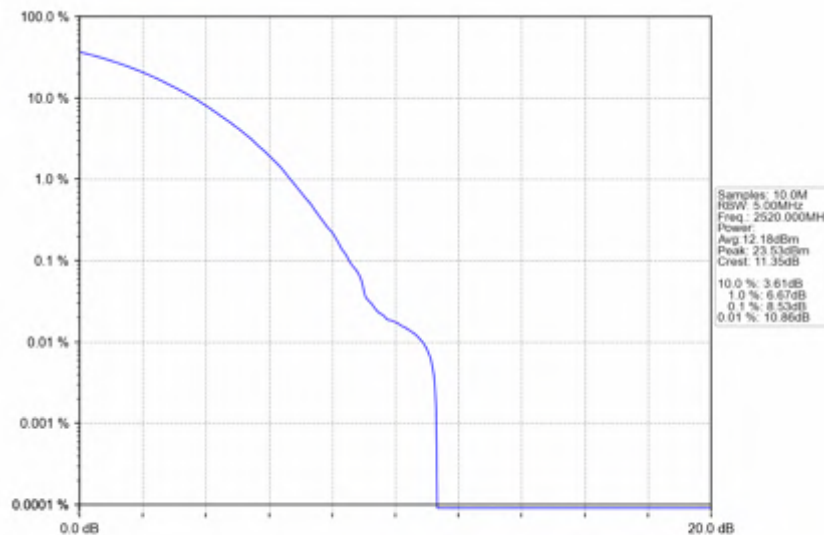
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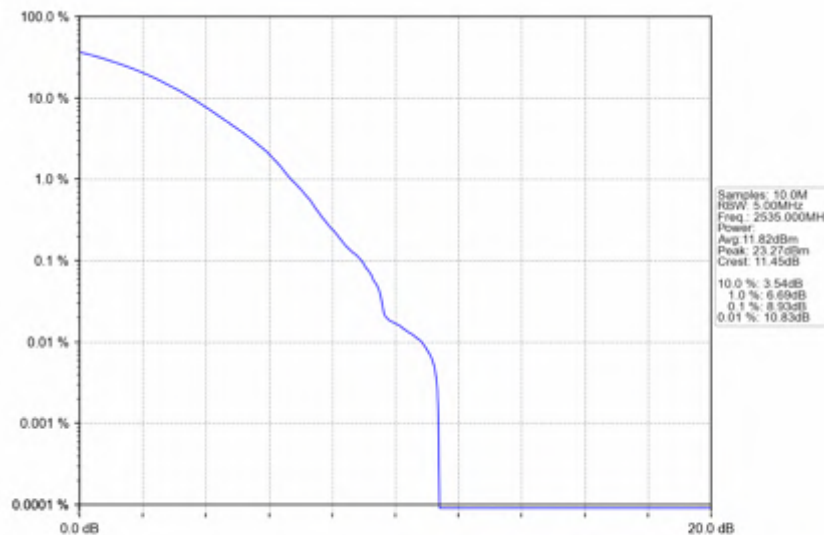
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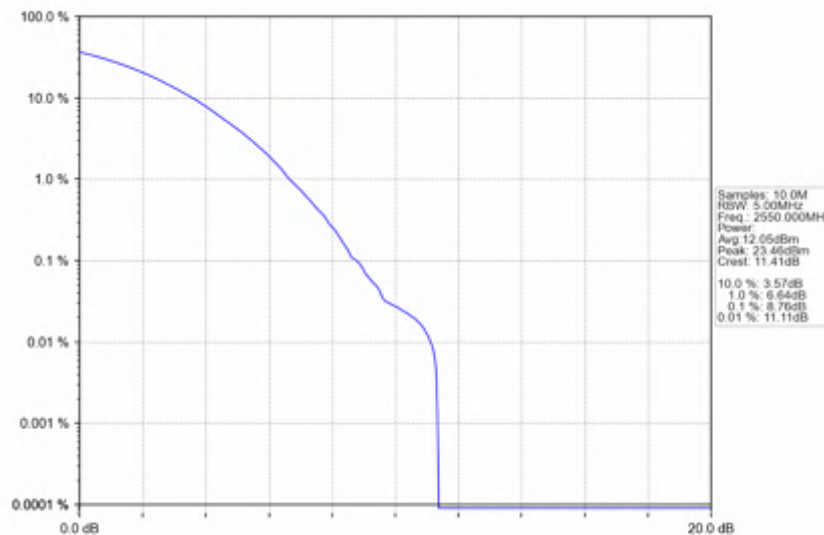
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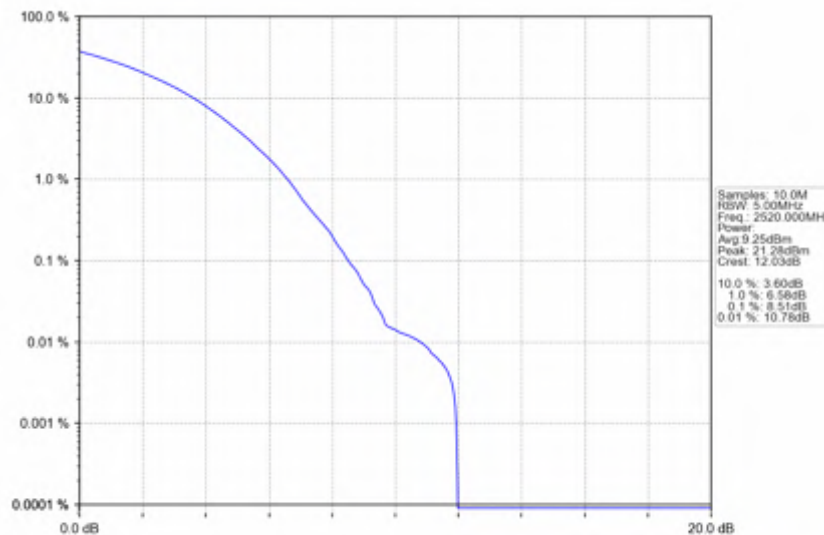
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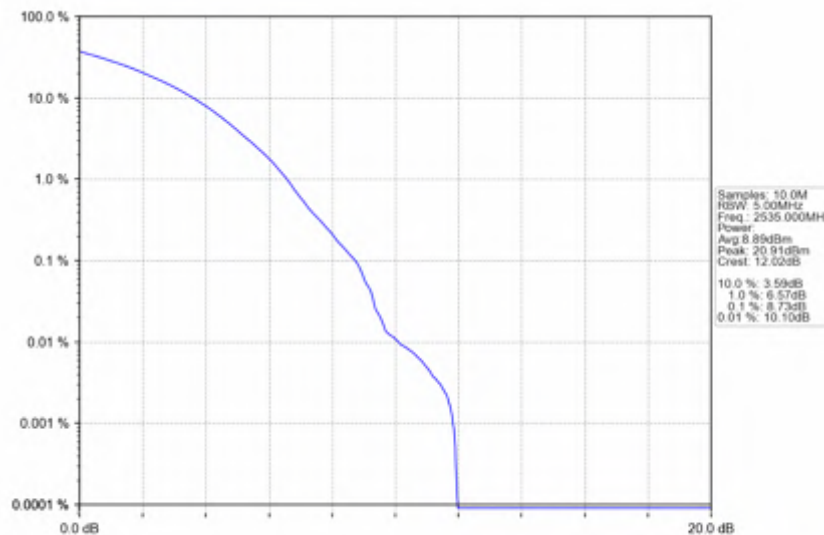
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n7_30kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_2520MHz_Outer_Full



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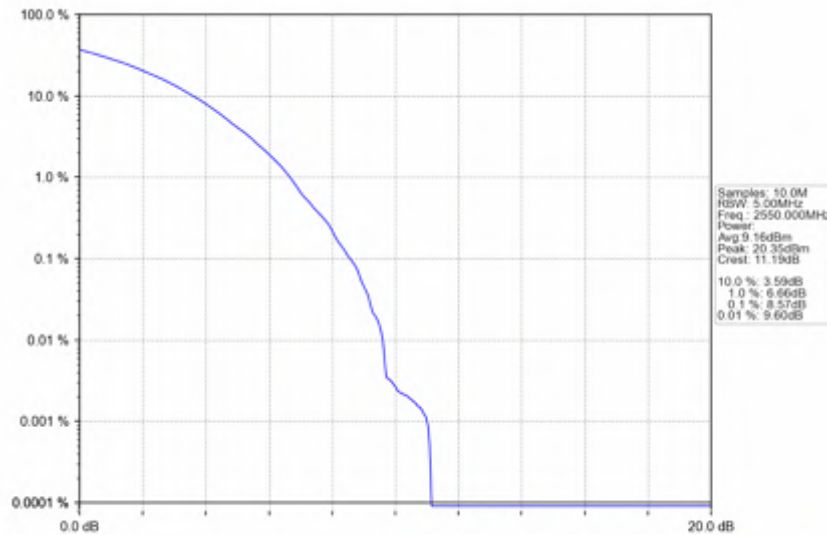


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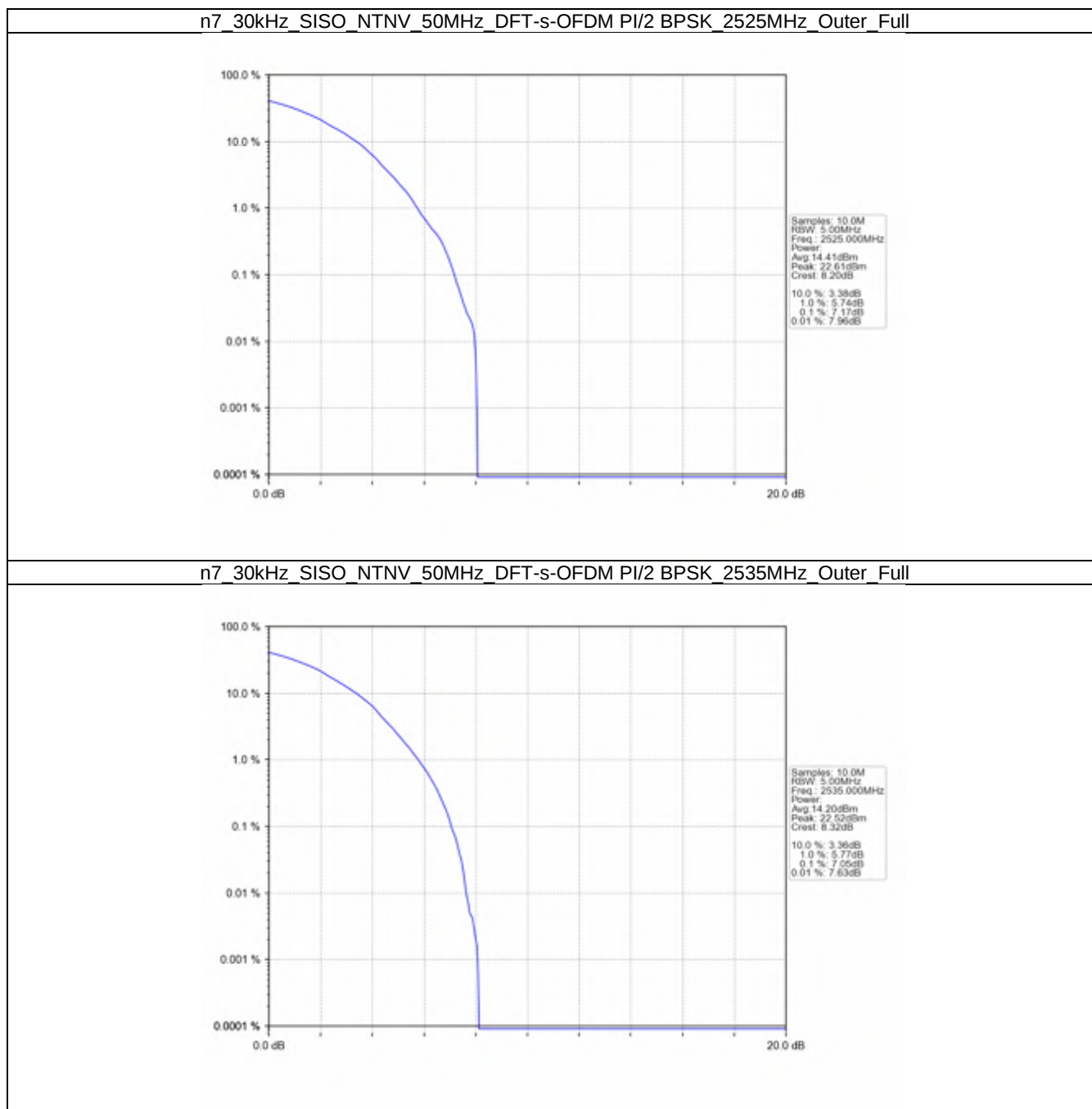
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3.15 30k_SISO_50MHz_NTNV

3.15.1 Test Result

5G NR n7 SCS=30kHz SISO 50MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2525	Outer_Full	7.17	/	/	<=13	Pass
	2535	Outer_Full	7.05	/	/	<=13	Pass
	2545	Outer_Full	7.06	/	/	<=13	Pass
DFT-s-OFDM QPSK	2525	Outer_Full	7.86	/	/	<=13	Pass
	2535	Outer_Full	7.89	/	/	<=13	Pass
	2545	Outer_Full	7.63	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2525	Outer_Full	7.92	/	/	<=13	Pass
	2535	Outer_Full	7.91	/	/	<=13	Pass
	2545	Outer_Full	7.66	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2525	Outer_Full	8.04	/	/	<=13	Pass
	2535	Outer_Full	7.94	/	/	<=13	Pass
	2545	Outer_Full	7.82	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2525	Outer_Full	7.92	/	/	<=13	Pass
	2535	Outer_Full	7.77	/	/	<=13	Pass
	2545	Outer_Full	7.91	/	/	<=13	Pass
CP-OFDM QPSK	2525	Outer_Full	8.75	/	/	<=13	Pass
	2535	Outer_Full	8.96	/	/	<=13	Pass
	2545	Outer_Full	8.90	/	/	<=13	Pass
CP-OFDM 16 QAM	2525	Outer_Full	8.52	/	/	<=13	Pass
	2535	Outer_Full	8.28	/	/	<=13	Pass
	2545	Outer_Full	8.43	/	/	<=13	Pass
CP-OFDM 64 QAM	2525	Outer_Full	8.63	/	/	<=13	Pass
	2535	Outer_Full	8.39	/	/	<=13	Pass
	2545	Outer_Full	8.58	/	/	<=13	Pass
CP-OFDM 256 QAM	2525	Outer_Full	8.46	/	/	<=13	Pass
	2535	Outer_Full	8.25	/	/	<=13	Pass
	2545	Outer_Full	8.28	/	/	<=13	Pass

3.15.2 Test Graph



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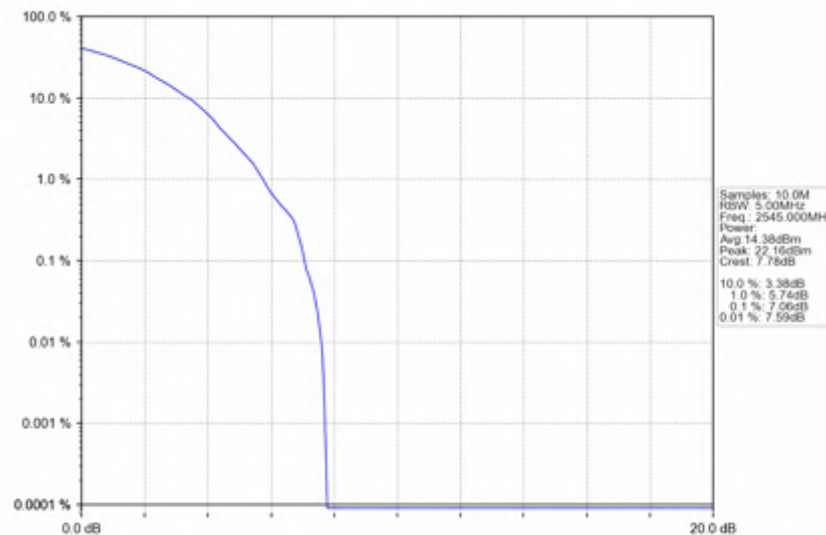
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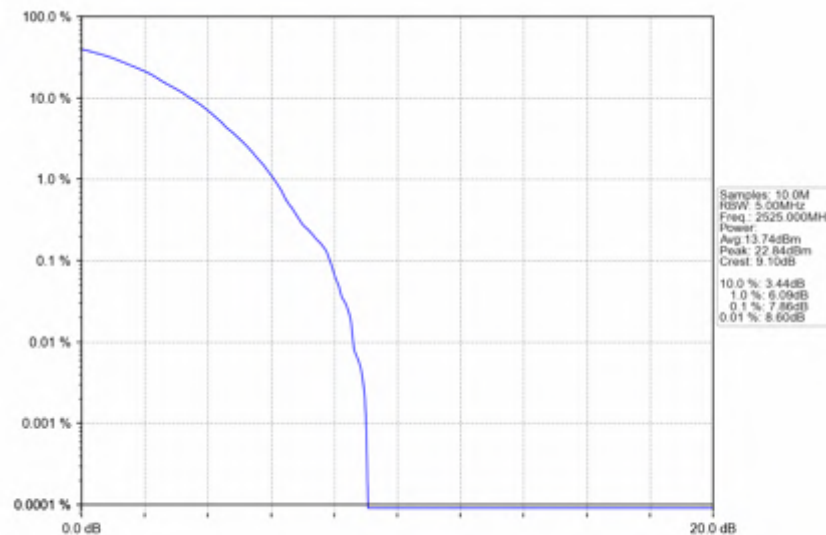
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n7_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_2525MHz_Outer_Full



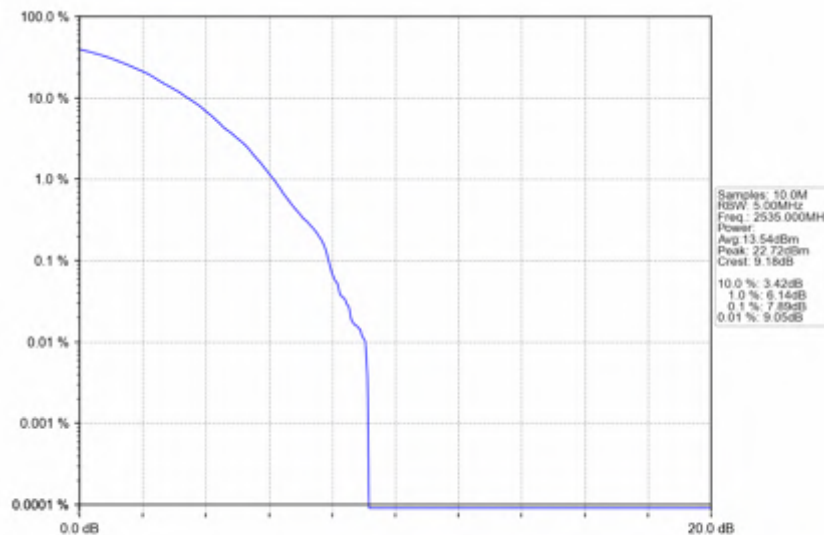
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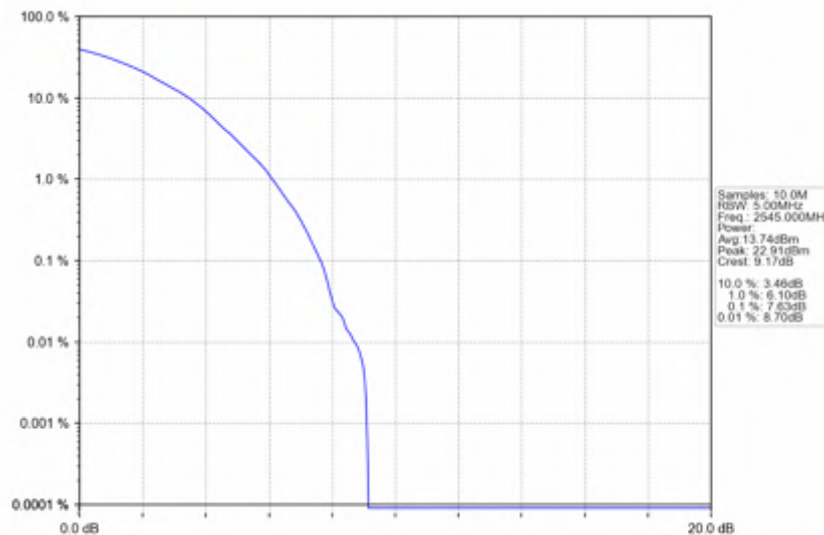
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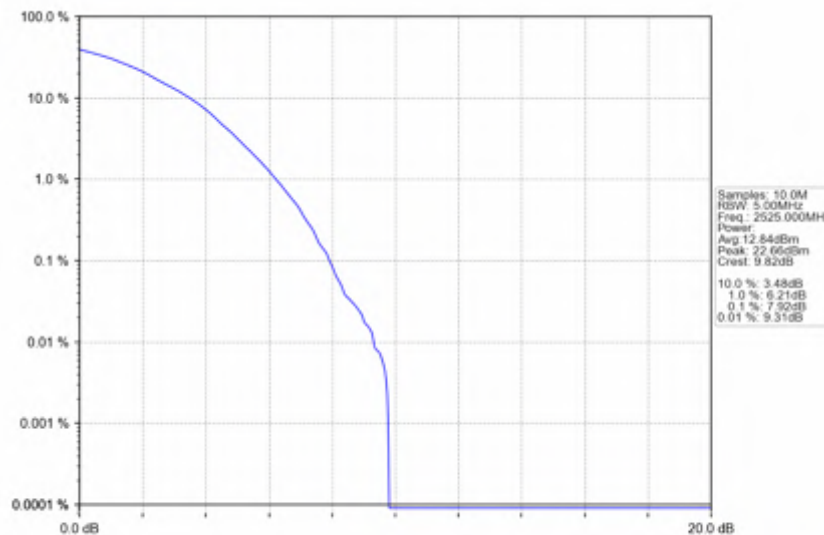
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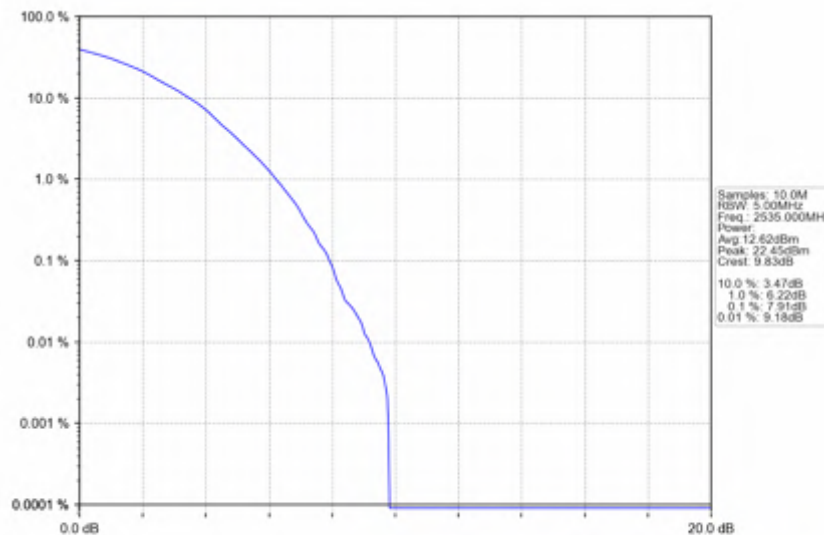
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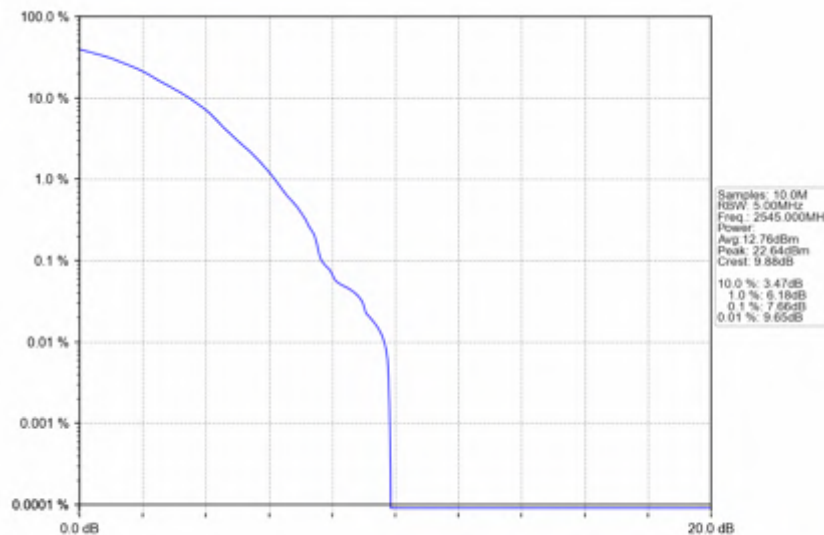


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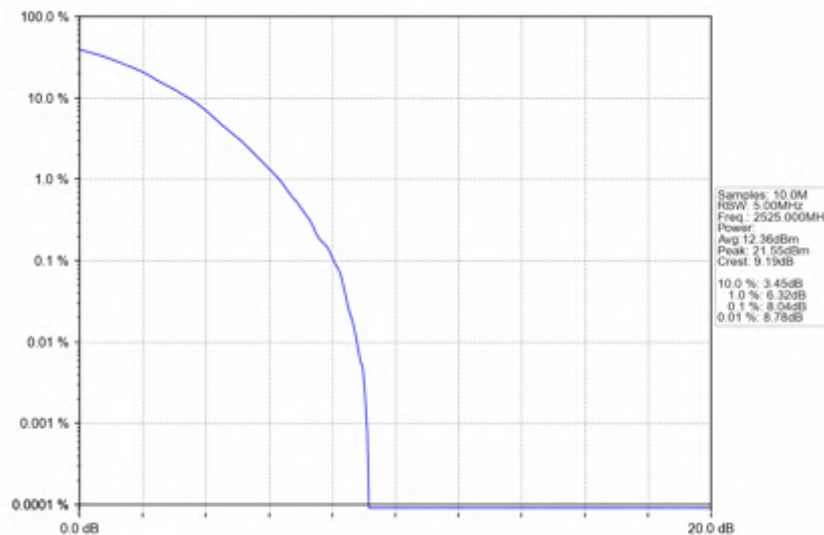
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n7_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64_QAM_2525MHz_Outer_Full



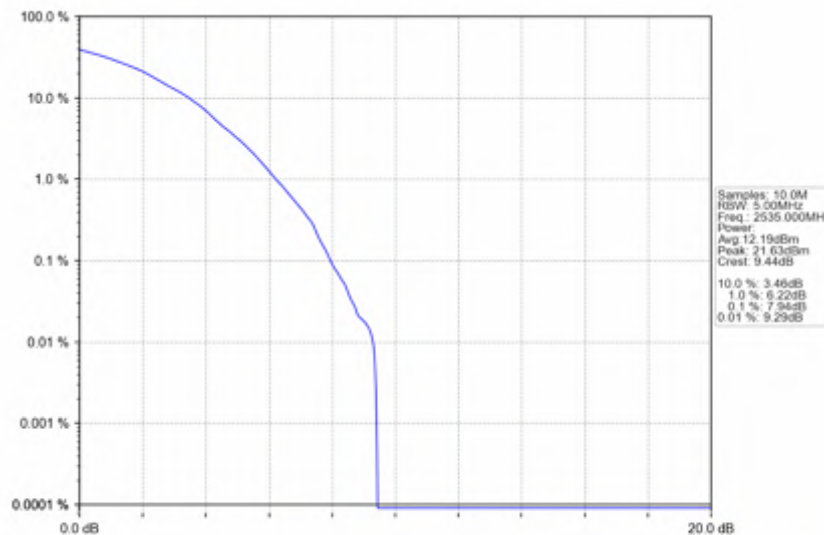
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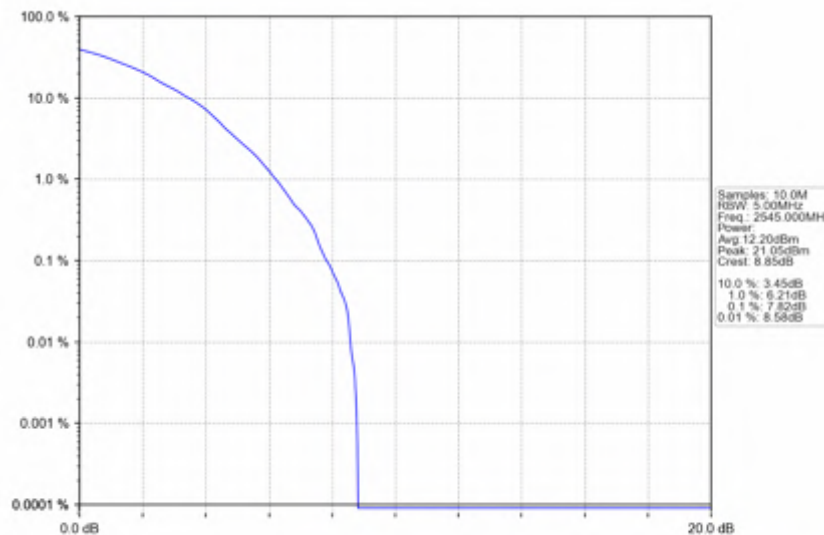
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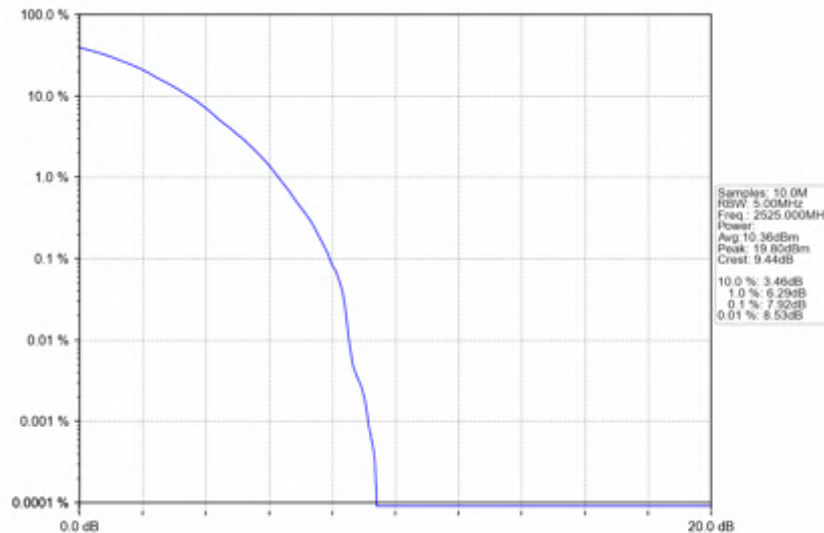
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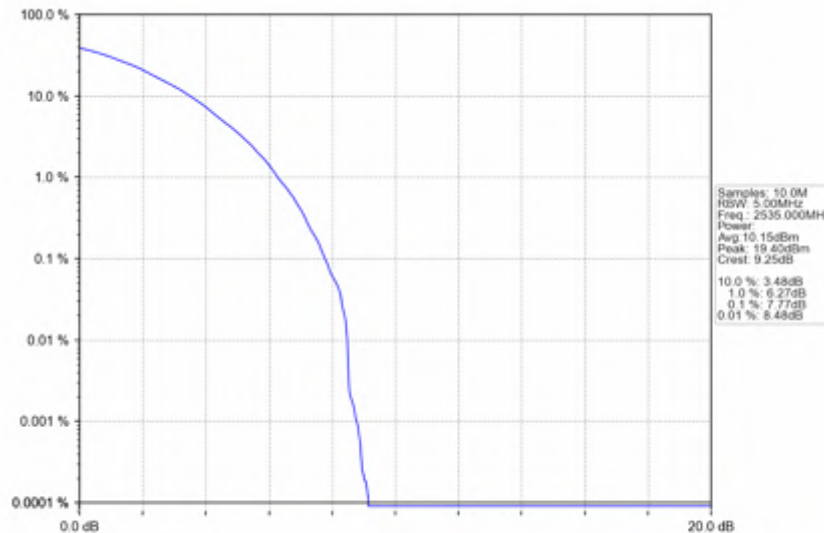
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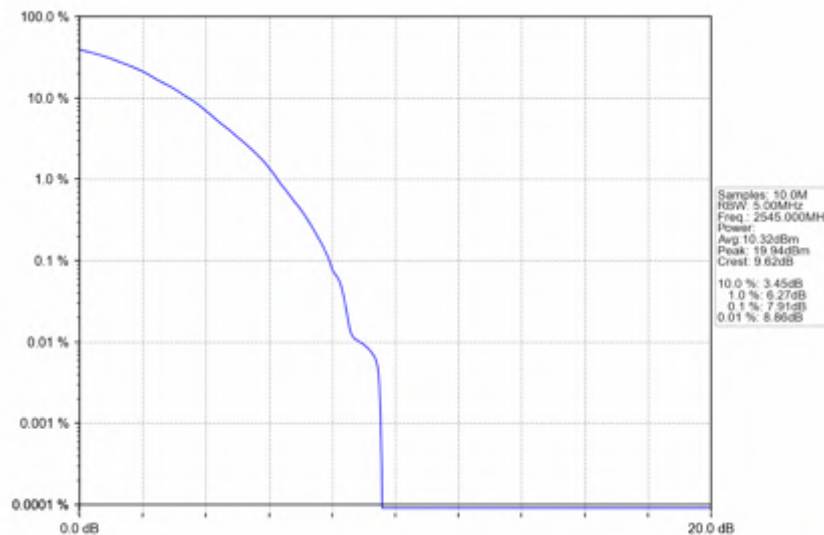
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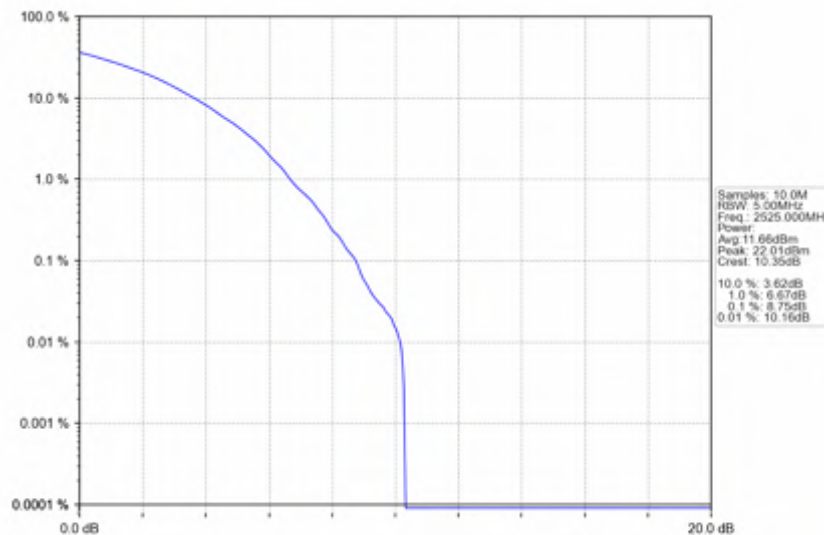
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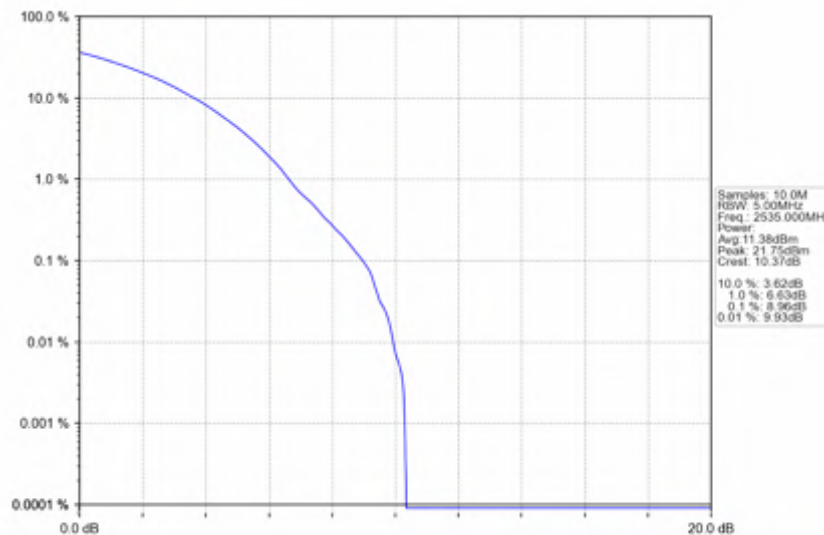
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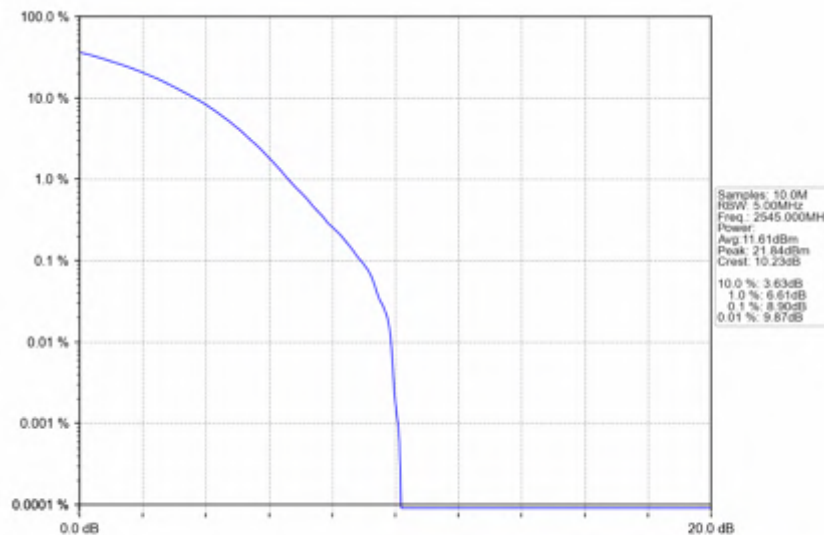
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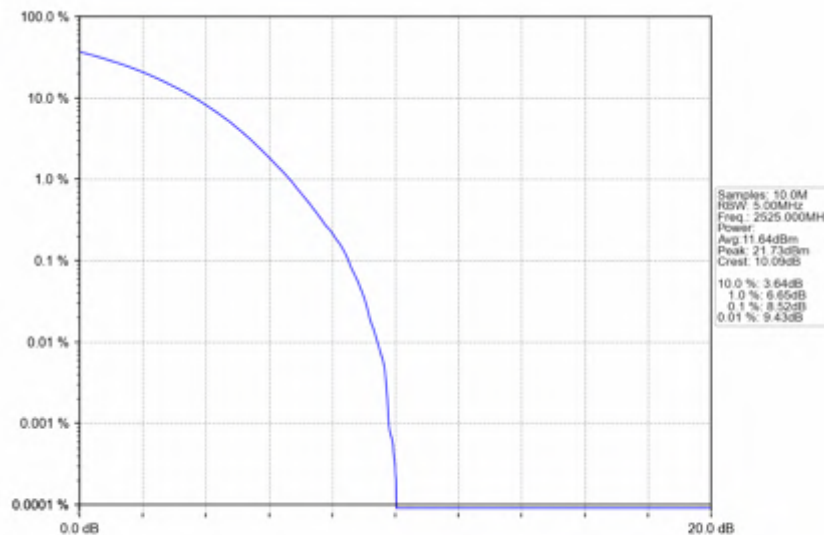


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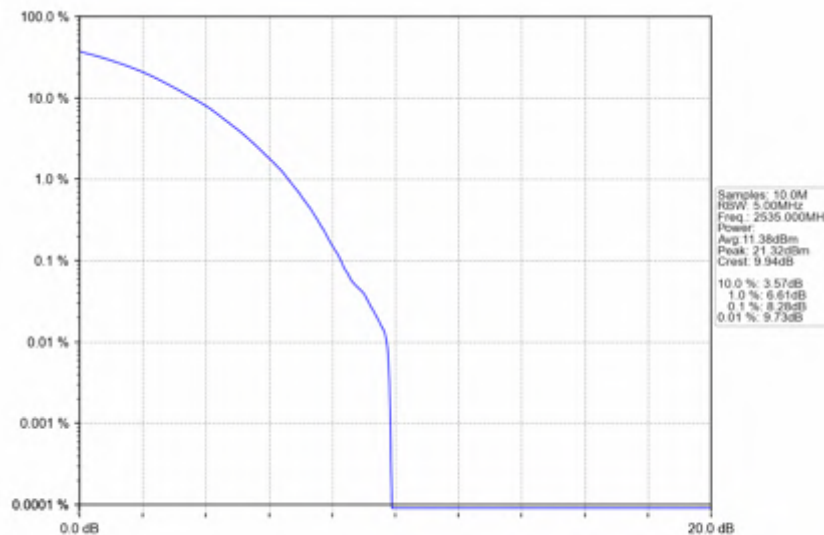
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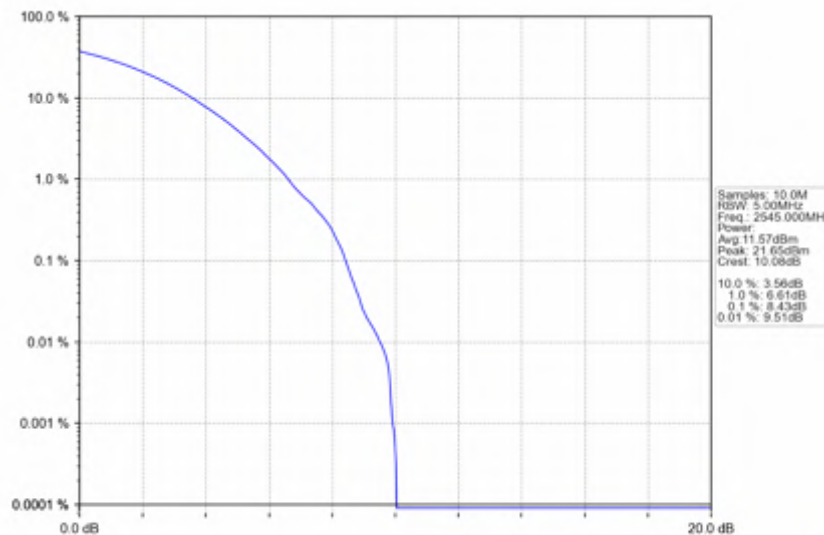


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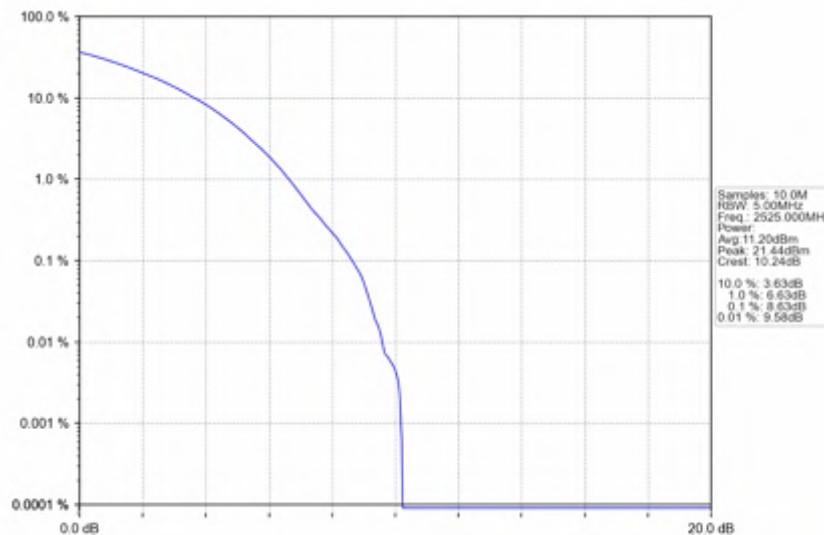
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n7_30kHz_SISO_NTNV_50MHz_CP-OFDM 16 QAM_2545MHz_Outer_Full



n7_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_2525MHz_Outer_Full



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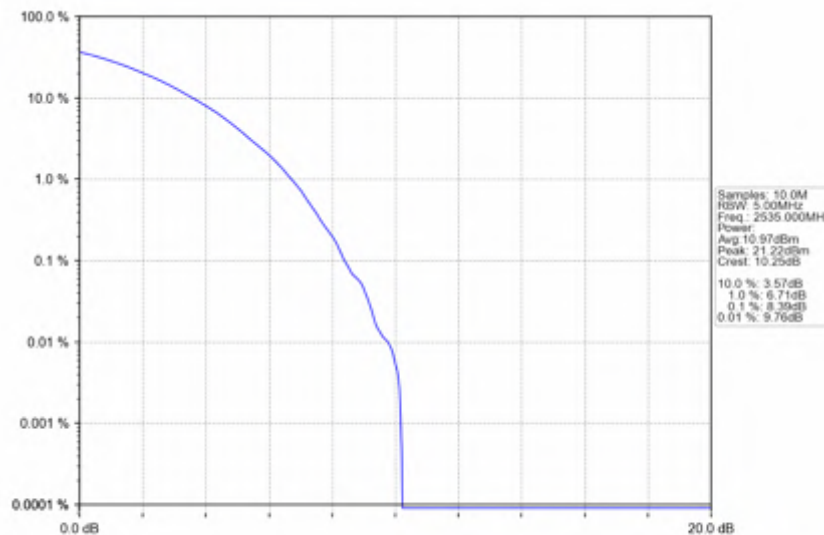
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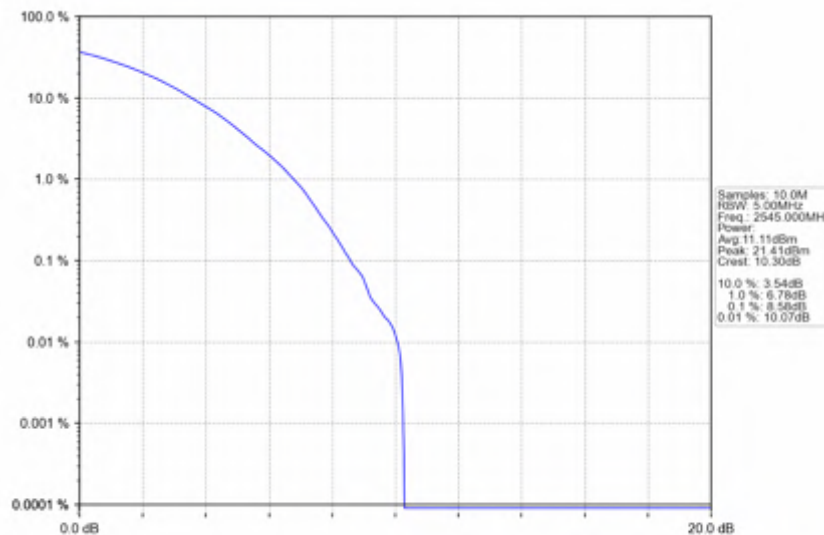
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n7_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_2535MHz_Outer_Full



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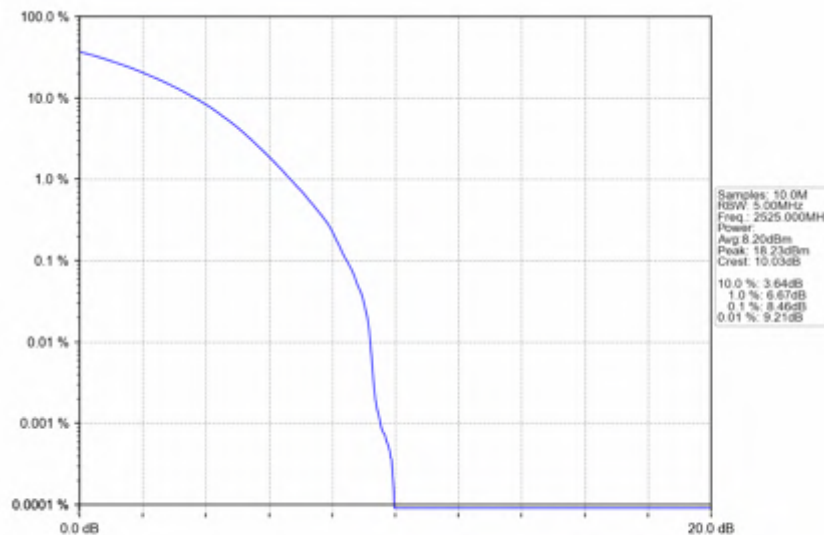
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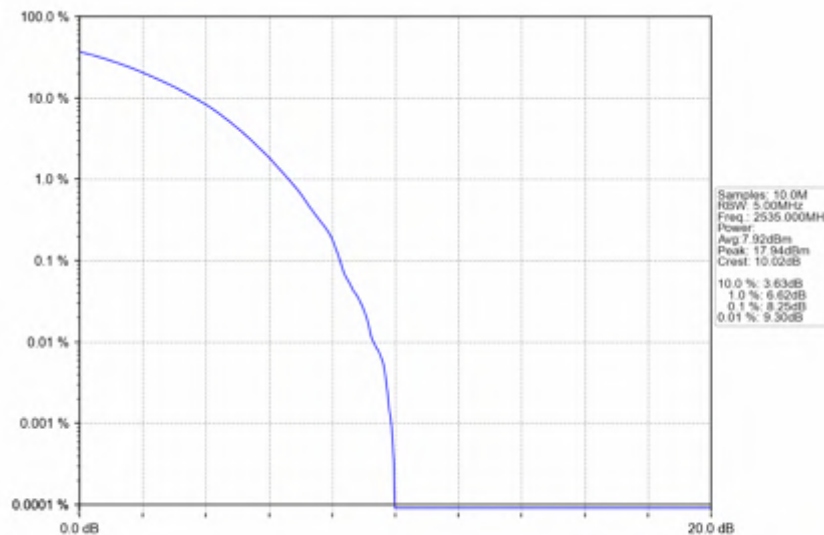
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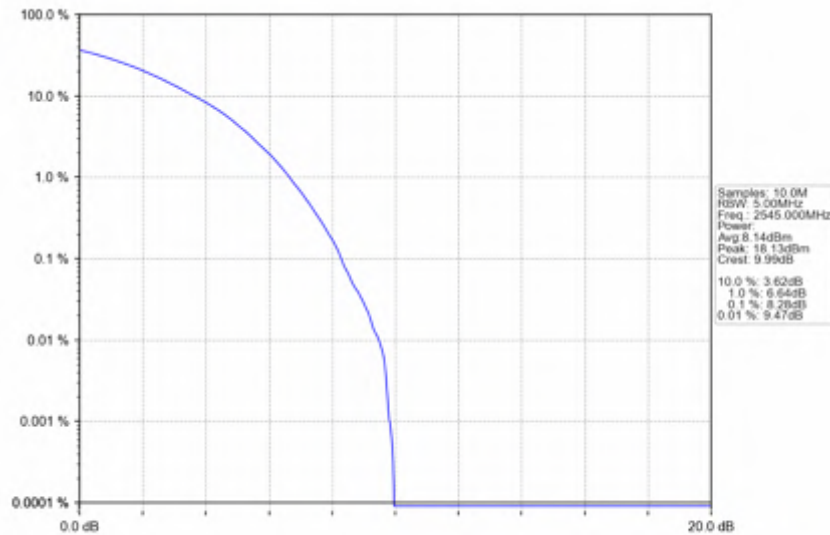
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4. n25 Peak-Average Ratio

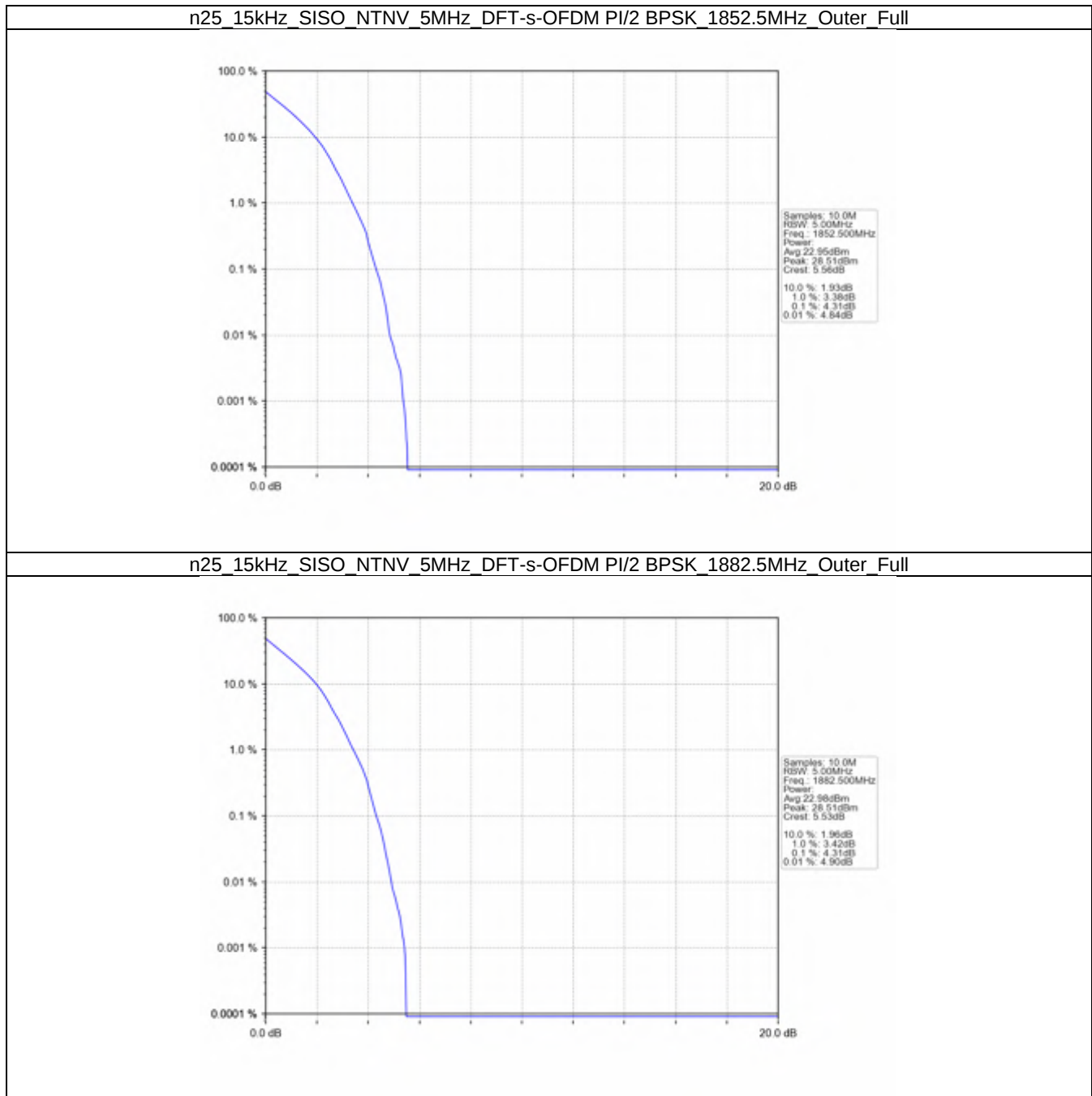
4.1 15k_SISO_5MHz_NTNV

4.1.1 Test Result

5G NR n25 SCS=15kHz SISO 5MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1852.5	Outer_Full	4.31	/	/	<=13	Pass
	1882.5	Outer_Full	4.31	/	/	<=13	Pass
	1912.5	Outer_Full	4.26	/	/	<=13	Pass
DFT-s-OFDM QPSK	1852.5	Outer_Full	5.17	/	/	<=13	Pass
	1882.5	Outer_Full	5.12	/	/	<=13	Pass
	1912.5	Outer_Full	5.00	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1852.5	Outer_Full	5.92	/	/	<=13	Pass
	1882.5	Outer_Full	5.93	/	/	<=13	Pass
	1912.5	Outer_Full	5.91	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1852.5	Outer_Full	6.26	/	/	<=13	Pass
	1882.5	Outer_Full	6.23	/	/	<=13	Pass
	1912.5	Outer_Full	6.12	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1852.5	Outer_Full	6.91	/	/	<=13	Pass
	1882.5	Outer_Full	6.81	/	/	<=13	Pass
	1912.5	Outer_Full	6.80	/	/	<=13	Pass
CP-OFDM QPSK	1852.5	Outer_Full	7.35	/	/	<=13	Pass
	1882.5	Outer_Full	7.38	/	/	<=13	Pass
	1912.5	Outer_Full	7.28	/	/	<=13	Pass
CP-OFDM 16 QAM	1852.5	Outer_Full	7.26	/	/	<=13	Pass
	1882.5	Outer_Full	7.27	/	/	<=13	Pass
	1912.5	Outer_Full	7.19	/	/	<=13	Pass
CP-OFDM 64 QAM	1852.5	Outer_Full	7.60	/	/	<=13	Pass
	1882.5	Outer_Full	7.57	/	/	<=13	Pass
	1912.5	Outer_Full	7.50	/	/	<=13	Pass
CP-OFDM 256 QAM	1852.5	Outer_Full	8.92	/	/	<=13	Pass
	1882.5	Outer_Full	8.82	/	/	<=13	Pass
	1912.5	Outer_Full	8.74	/	/	<=13	Pass



4.1.2 Test Graph



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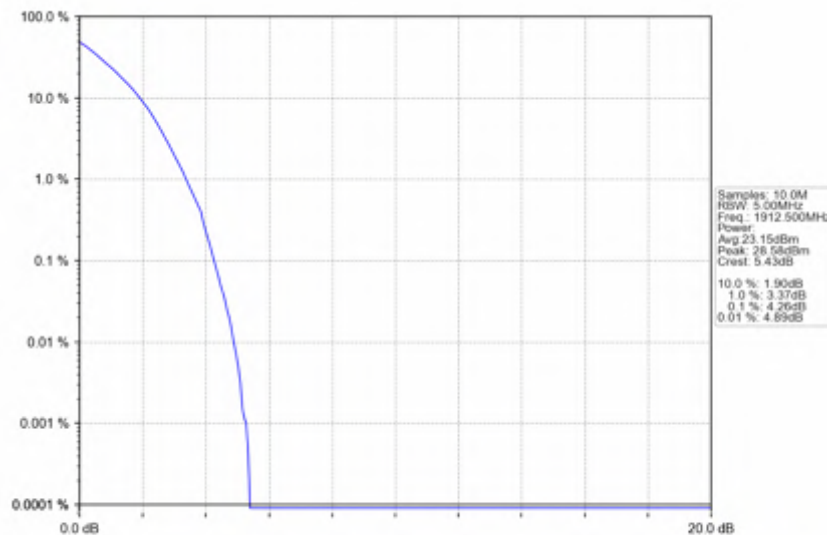
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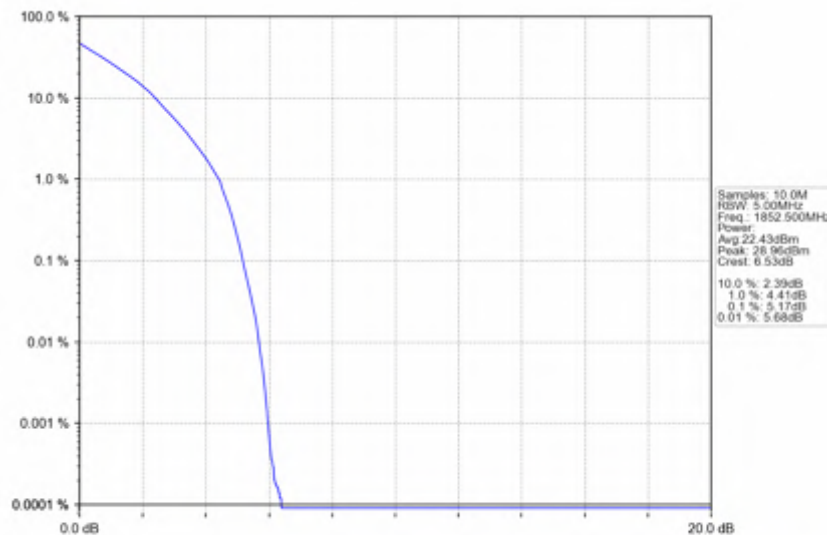
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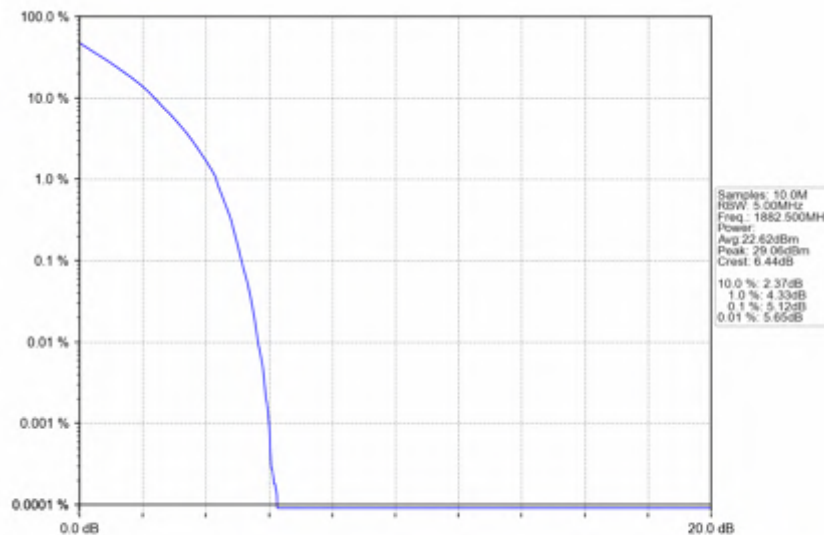


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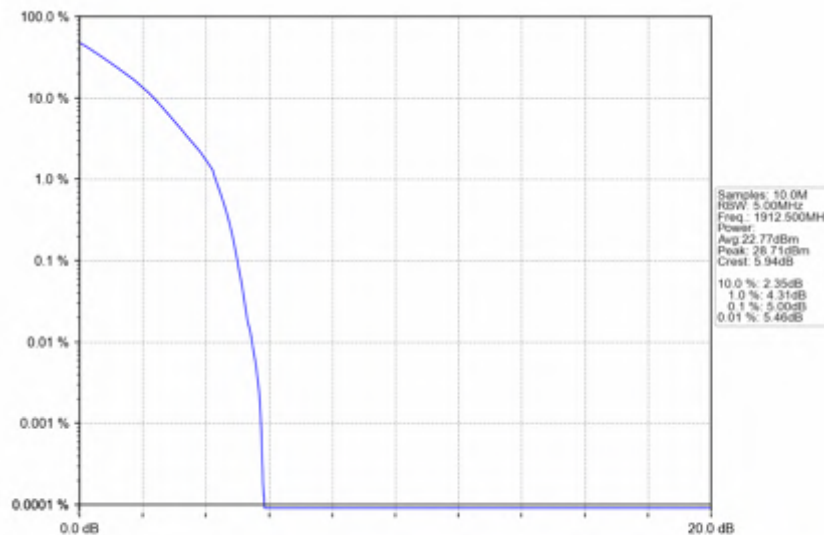
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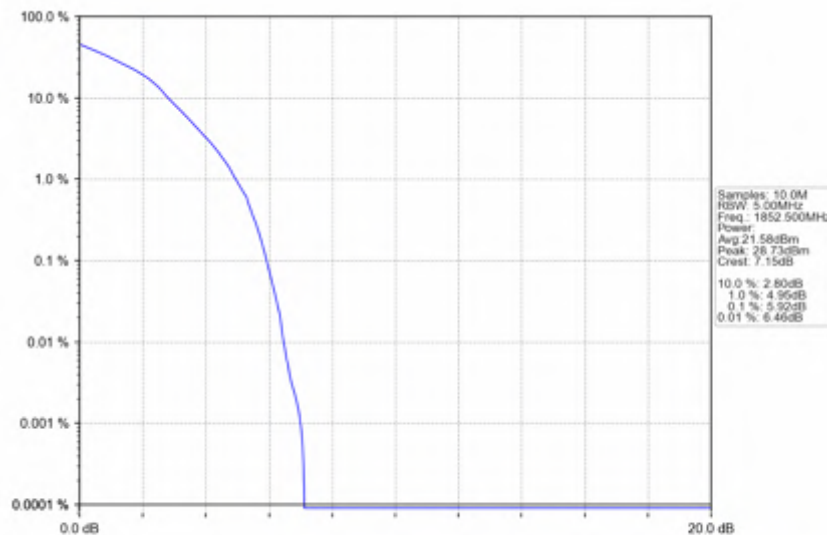


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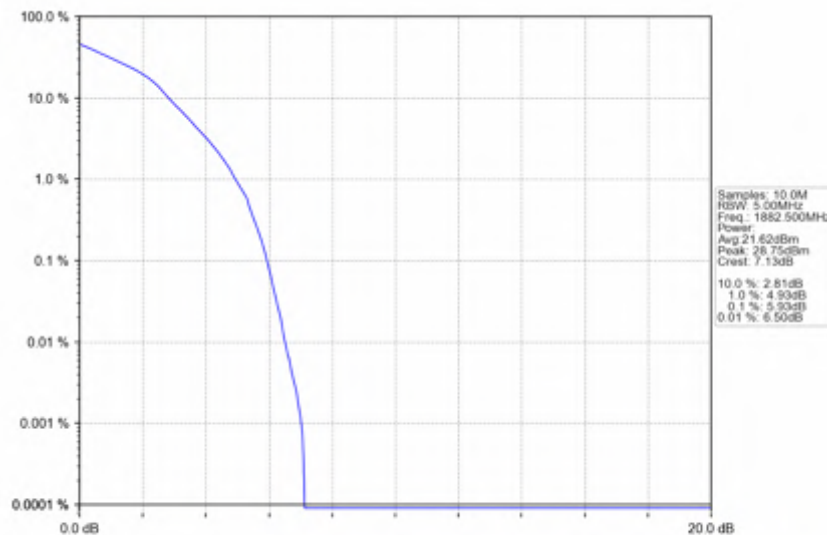
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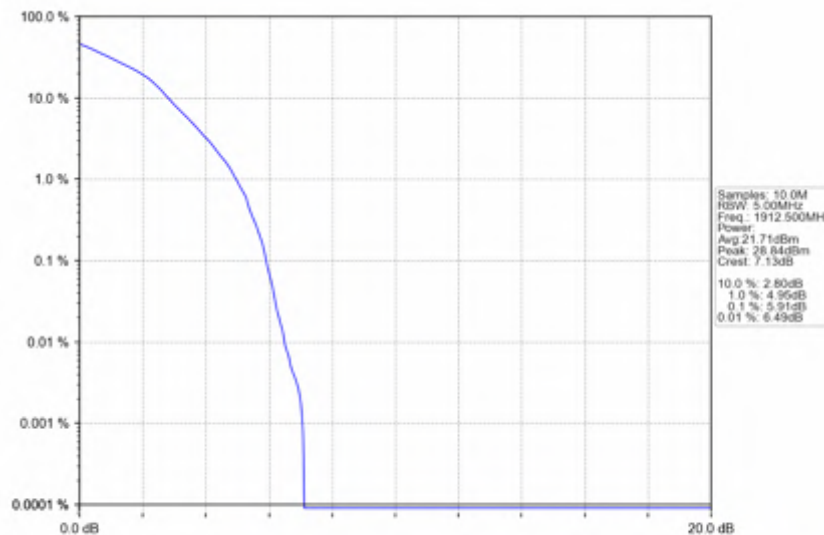


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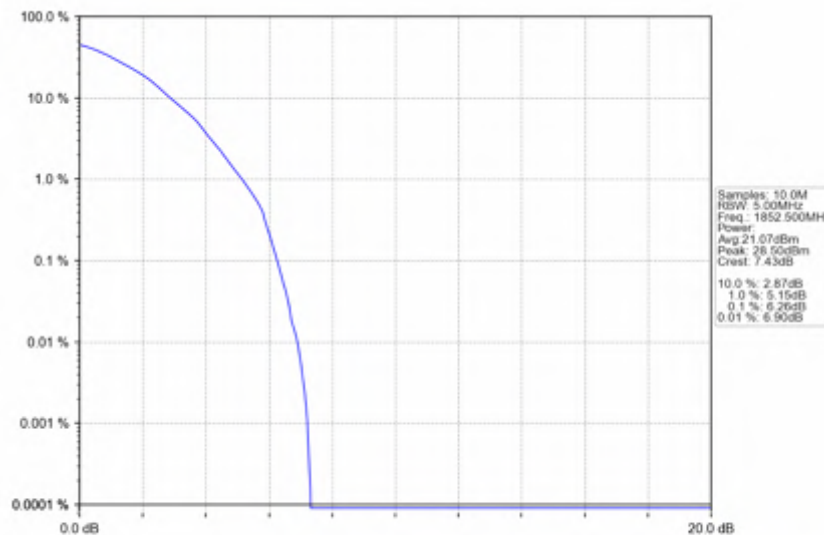
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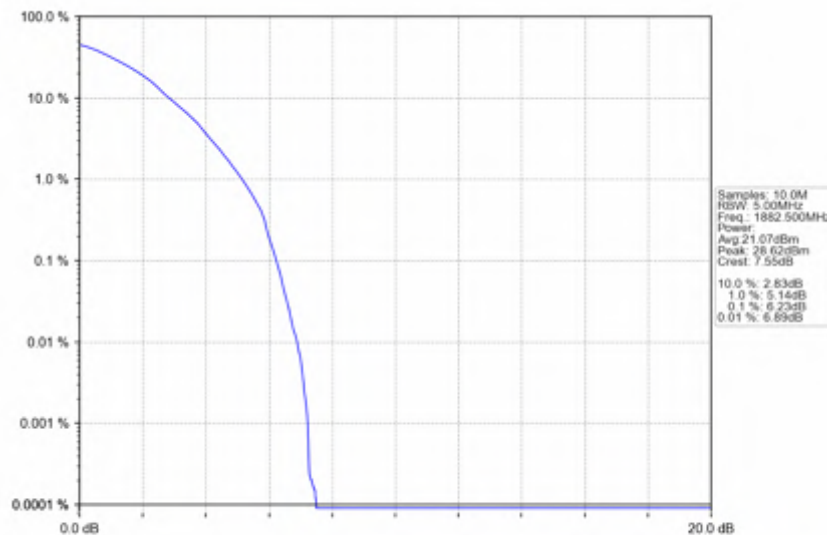


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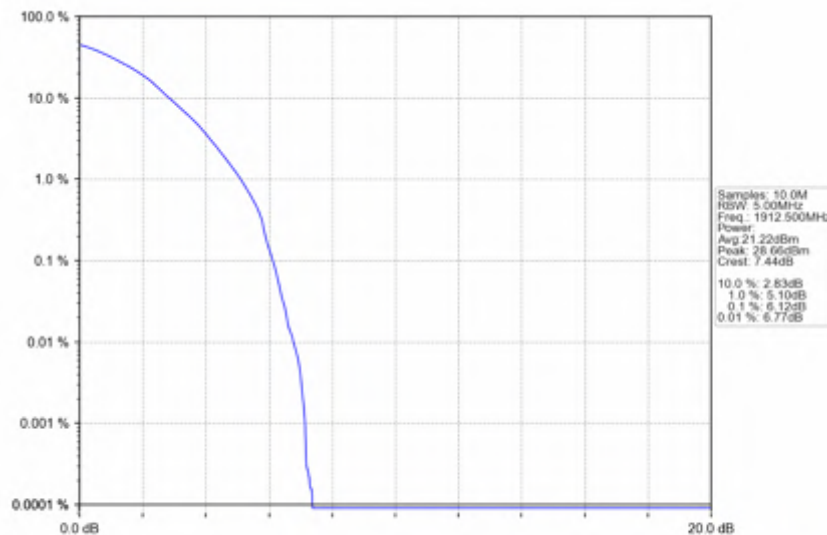
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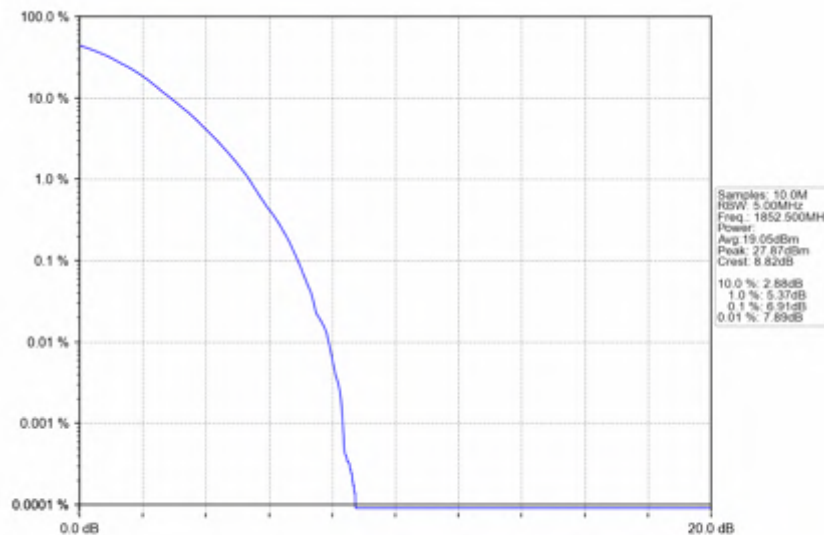
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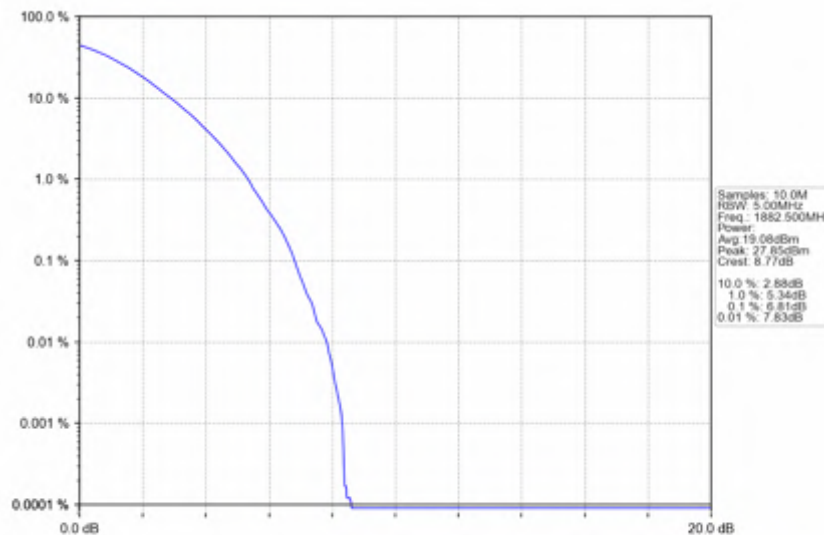
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n25_15kHz_SISO_NTV_5MHz_DFT-s-OFDM_256_QAM_1852.5MHz_Outer_Full



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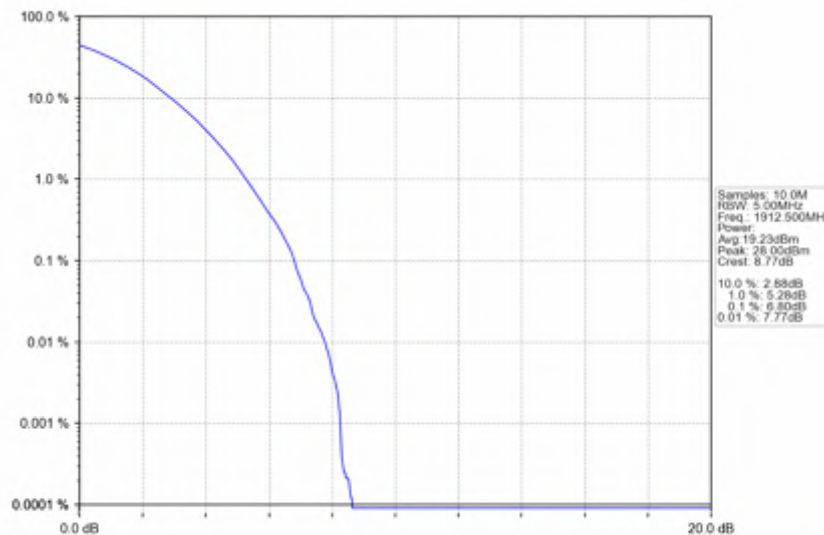
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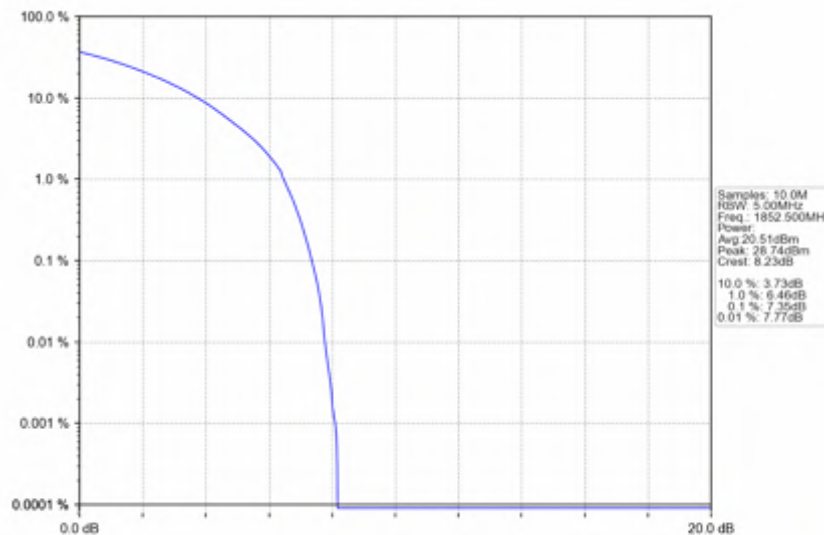
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n25_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM 256 QAM_1912.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1852.5MHz_Outer_Full

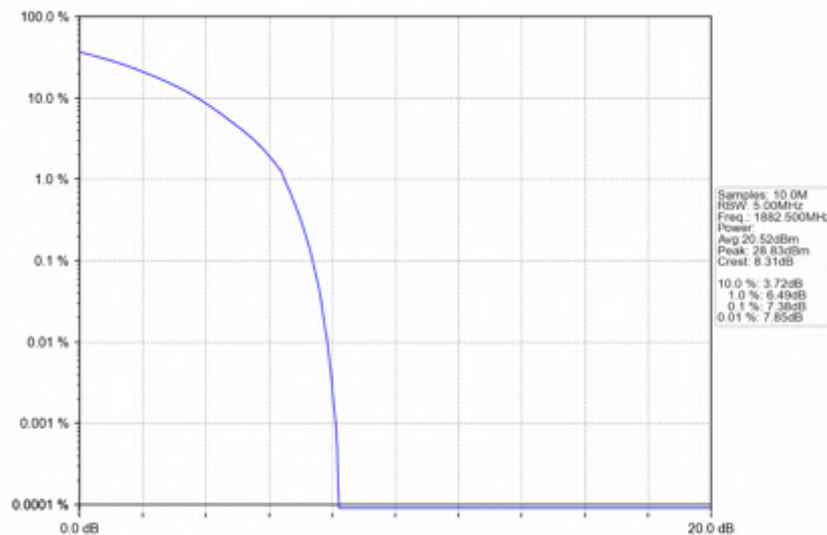


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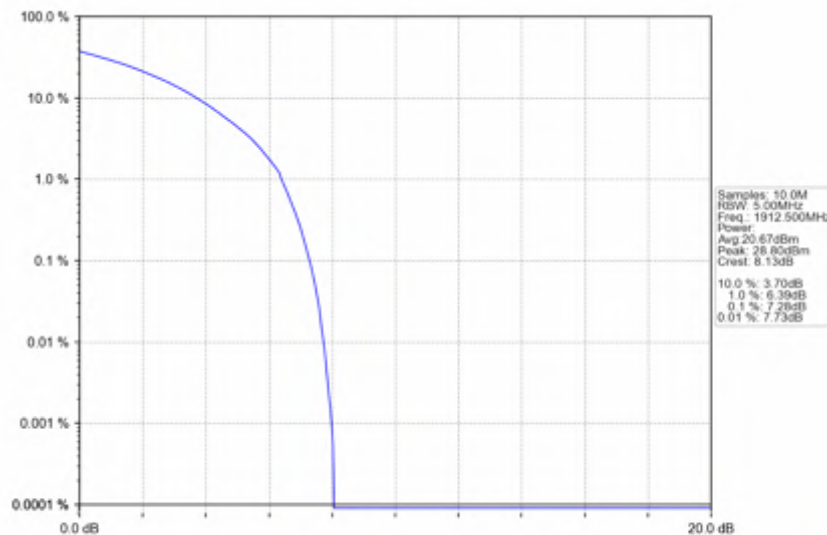
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n25_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1882.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1912.5MHz_Outer_Full



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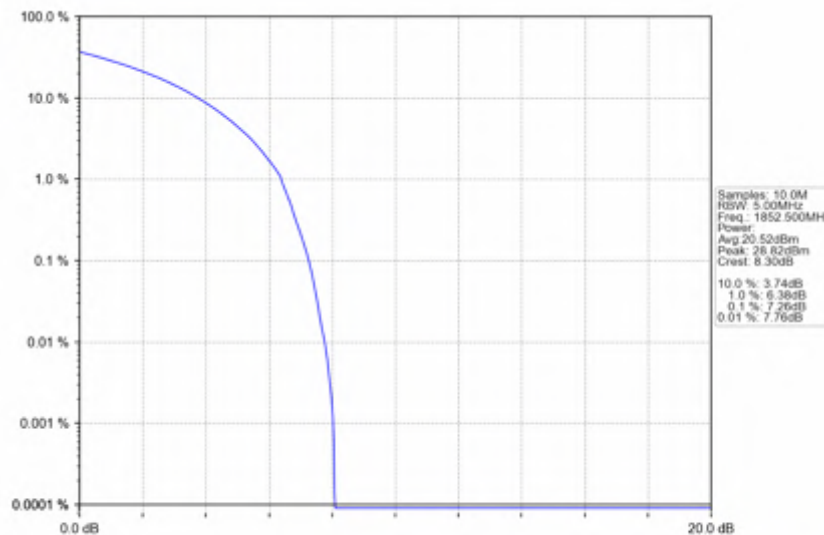
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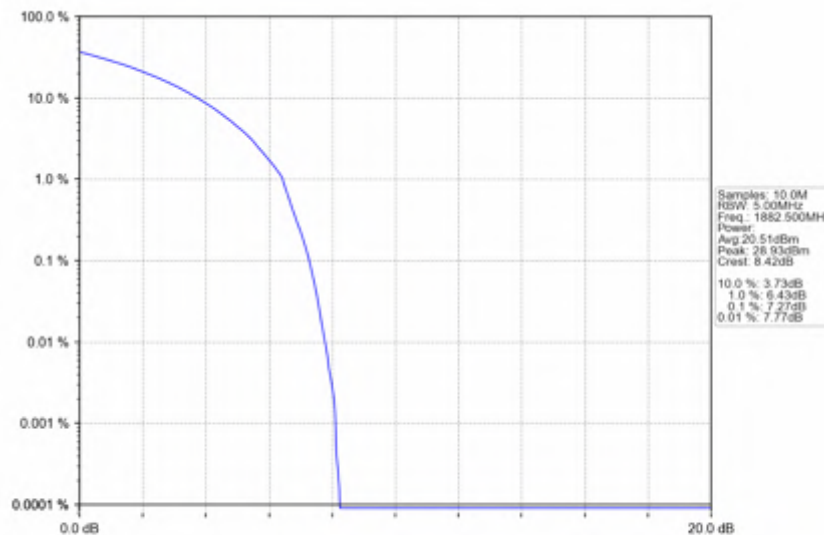
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n25_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_1852.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_1882.5MHz_Outer_Full

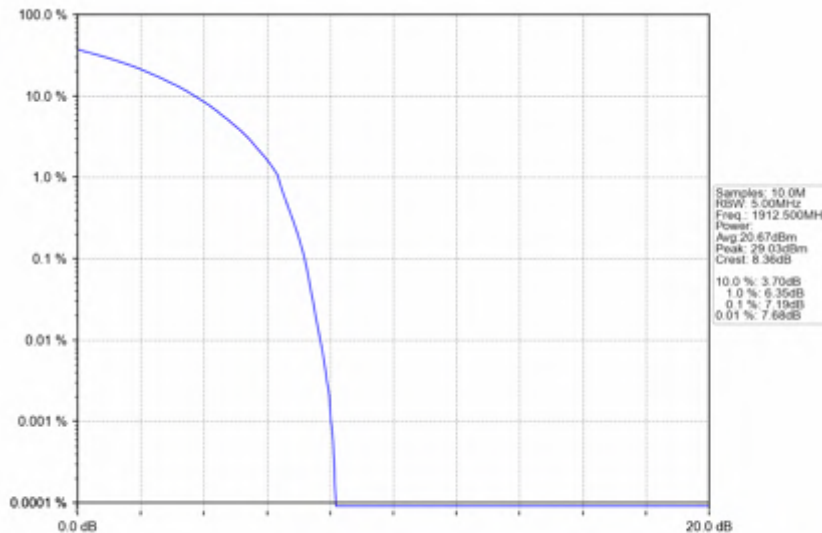


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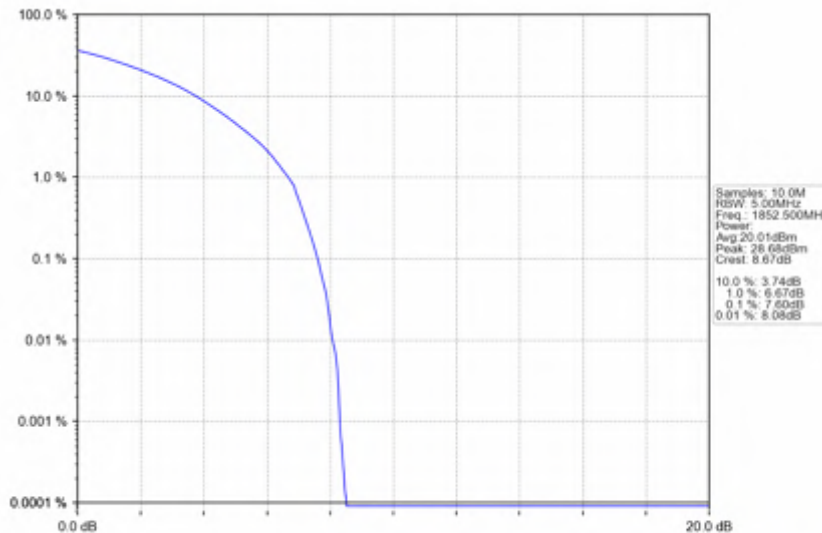
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n25_15kHz_SISO_NTNV_5MHz_CP-OFDM_16_QAM_1912.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_5MHz_CP-OFDM_64_QAM_1852.5MHz_Outer_Full



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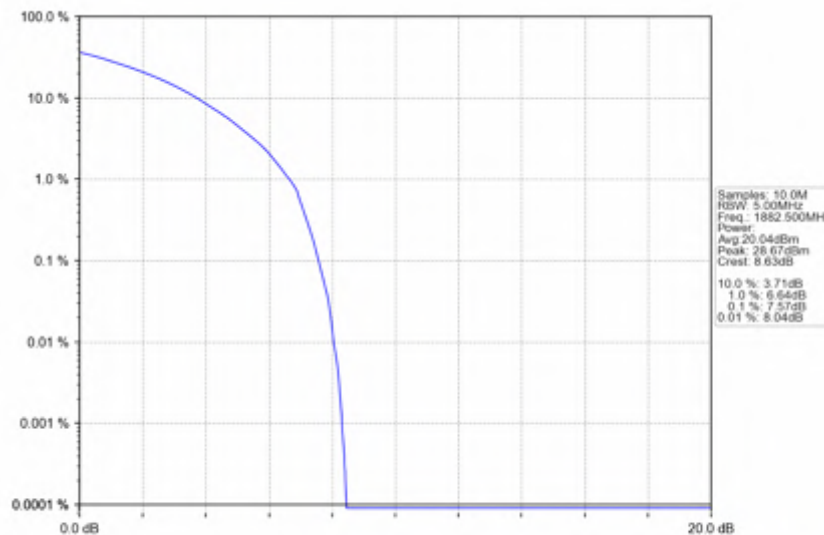
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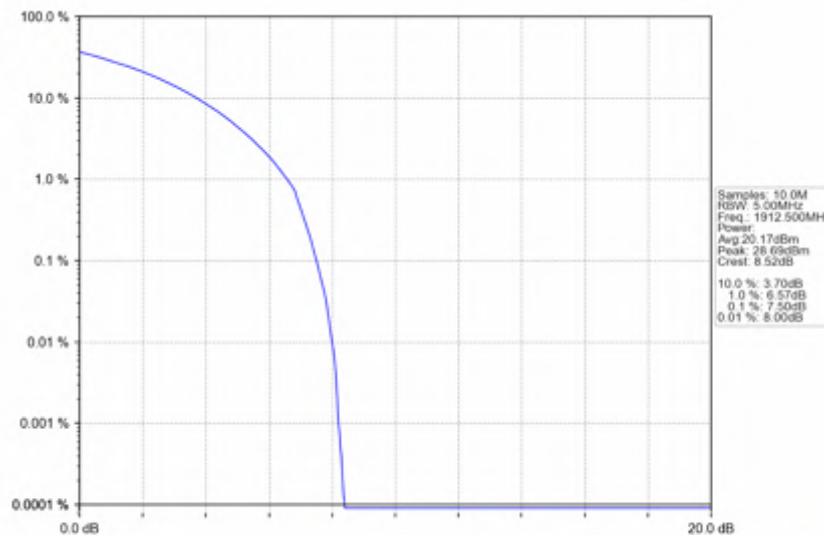
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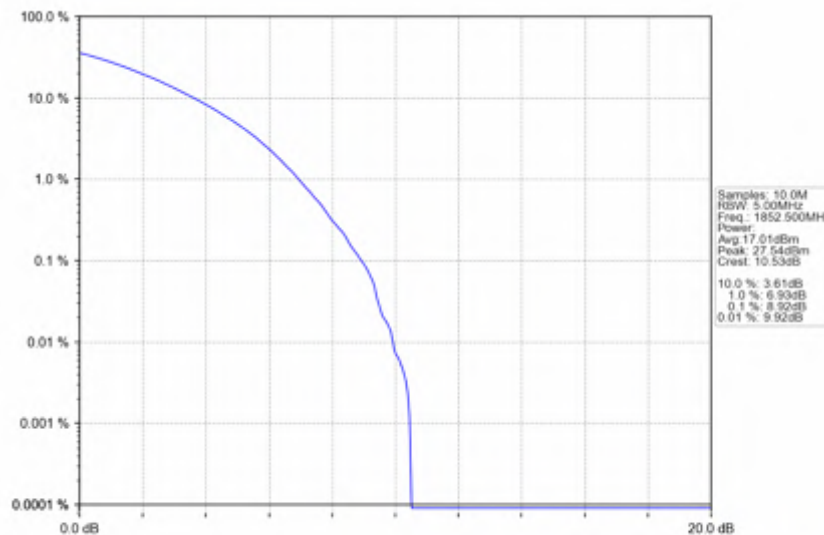


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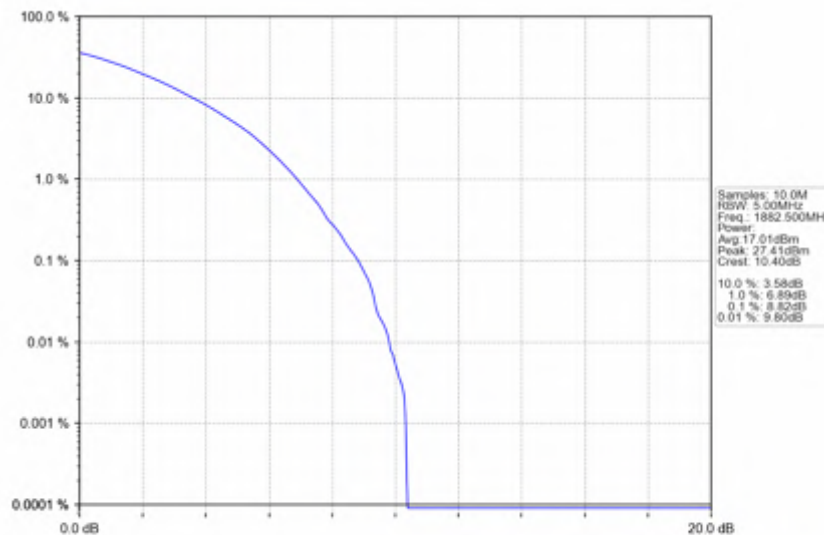
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n25_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_1852.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_1882.5MHz_Outer_Full



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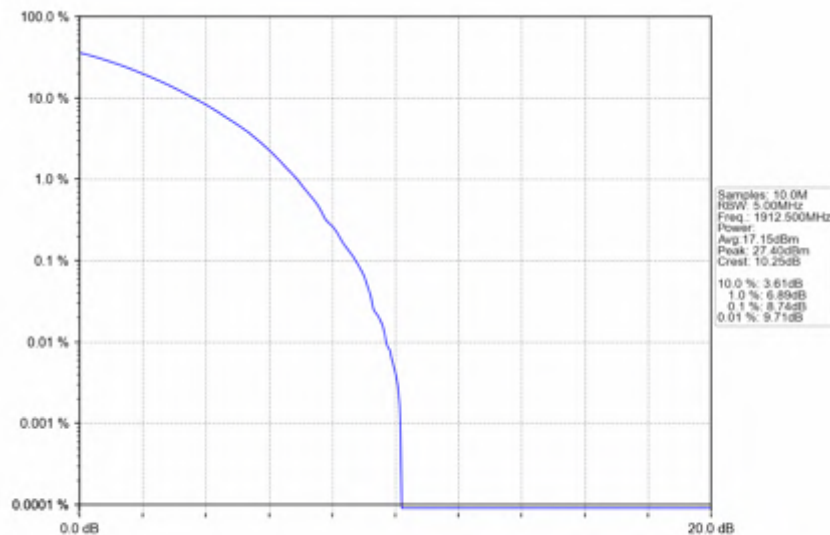
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n25_15kHz_SISO_NTNV_5MHz_CP-OFDM 256 QAM_1912.5MHz_Outer_Full



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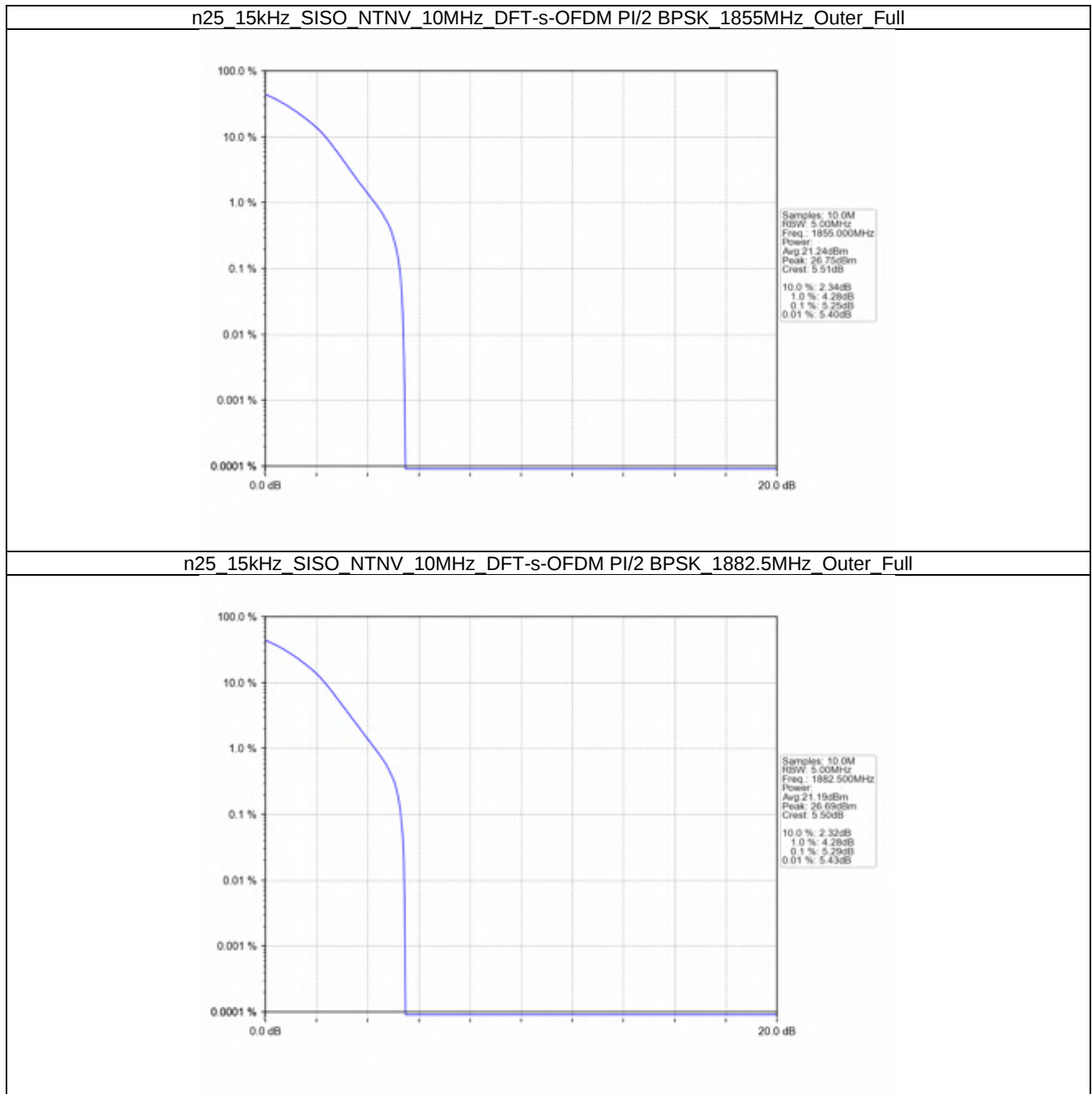
4.2 15k_SISO_10MHz_NTNV

4.2.1 Test Result

5G NR n25 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1855	Outer_Full	5.25	/	/	<=13	Pass
	1882.5	Outer_Full	5.29	/	/	<=13	Pass
	1910	Outer_Full	5.32	/	/	<=13	Pass
DFT-s-OFDM QPSK	1855	Outer_Full	5.48	/	/	<=13	Pass
	1882.5	Outer_Full	5.42	/	/	<=13	Pass
	1910	Outer_Full	5.47	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1855	Outer_Full	6.39	/	/	<=13	Pass
	1882.5	Outer_Full	6.44	/	/	<=13	Pass
	1910	Outer_Full	6.54	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1855	Outer_Full	6.95	/	/	<=13	Pass
	1882.5	Outer_Full	7.11	/	/	<=13	Pass
	1910	Outer_Full	6.77	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1855	Outer_Full	6.92	/	/	<=13	Pass
	1882.5	Outer_Full	6.90	/	/	<=13	Pass
	1910	Outer_Full	6.80	/	/	<=13	Pass
CP-OFDM QPSK	1855	Outer_Full	8.18	/	/	<=13	Pass
	1882.5	Outer_Full	8.19	/	/	<=13	Pass
	1910	Outer_Full	8.14	/	/	<=13	Pass
CP-OFDM 16 QAM	1855	Outer_Full	8.21	/	/	<=13	Pass
	1882.5	Outer_Full	8.21	/	/	<=13	Pass
	1910	Outer_Full	8.26	/	/	<=13	Pass
CP-OFDM 64 QAM	1855	Outer_Full	8.32	/	/	<=13	Pass
	1882.5	Outer_Full	8.31	/	/	<=13	Pass
	1910	Outer_Full	8.07	/	/	<=13	Pass
CP-OFDM 256 QAM	1855	Outer_Full	8.46	/	/	<=13	Pass
	1882.5	Outer_Full	8.43	/	/	<=13	Pass
	1910	Outer_Full	8.38	/	/	<=13	Pass



4.2.2 Test Graph



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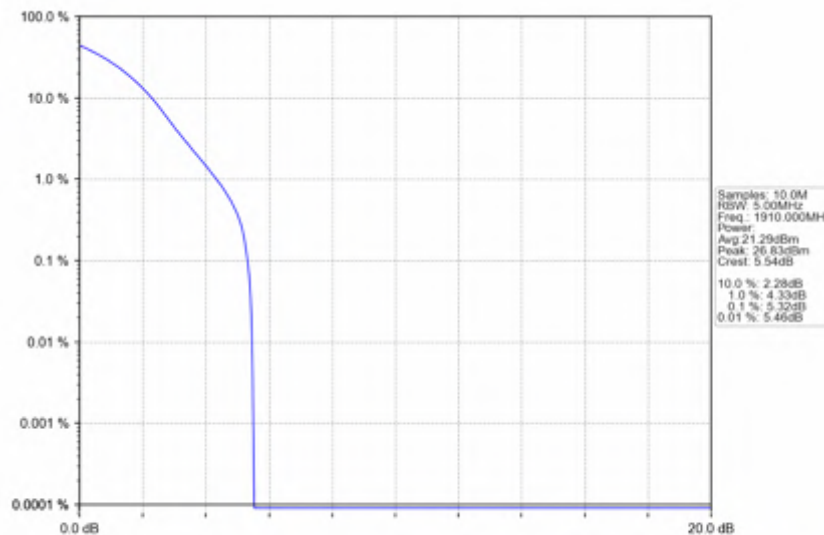
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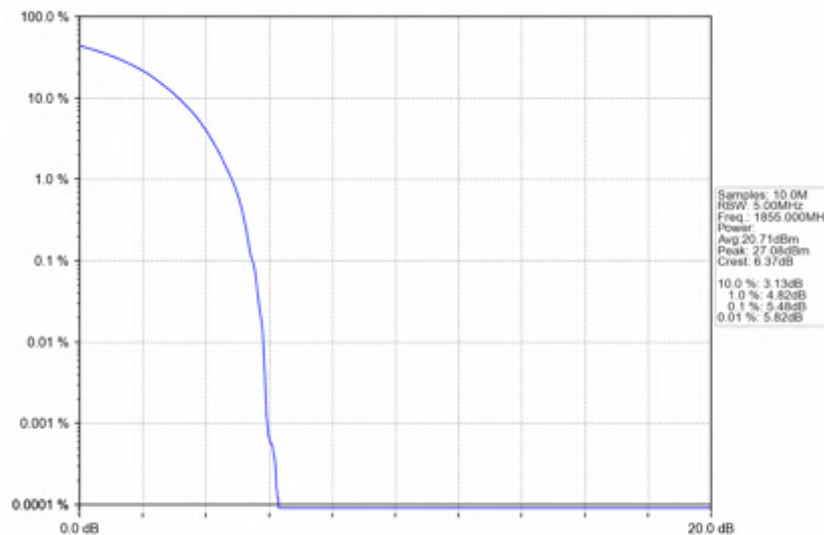
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n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1855MHz_Outer_Full



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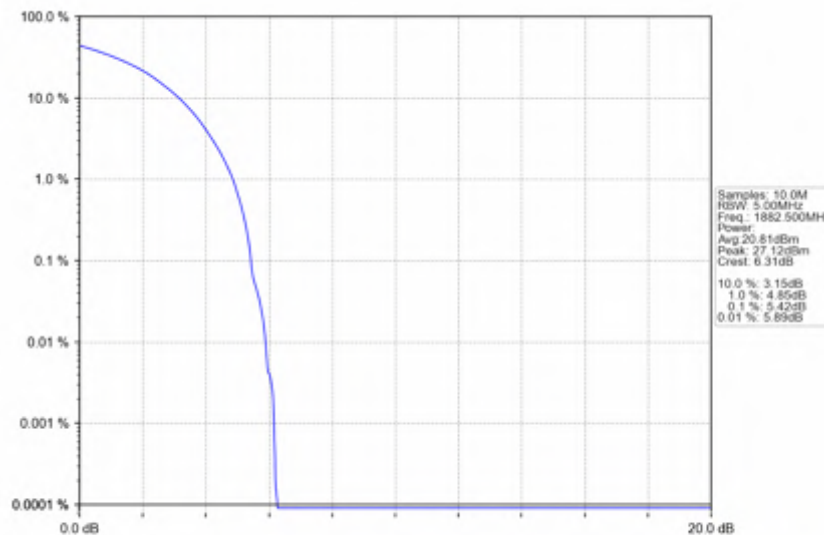
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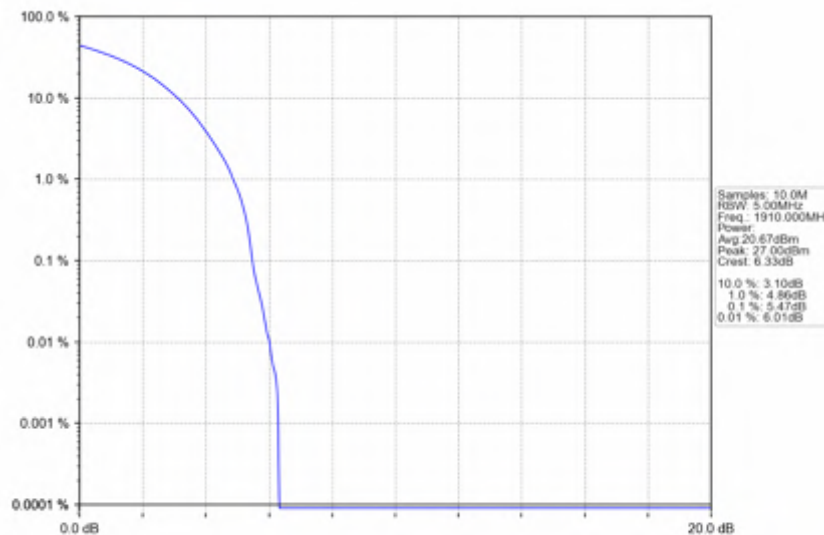
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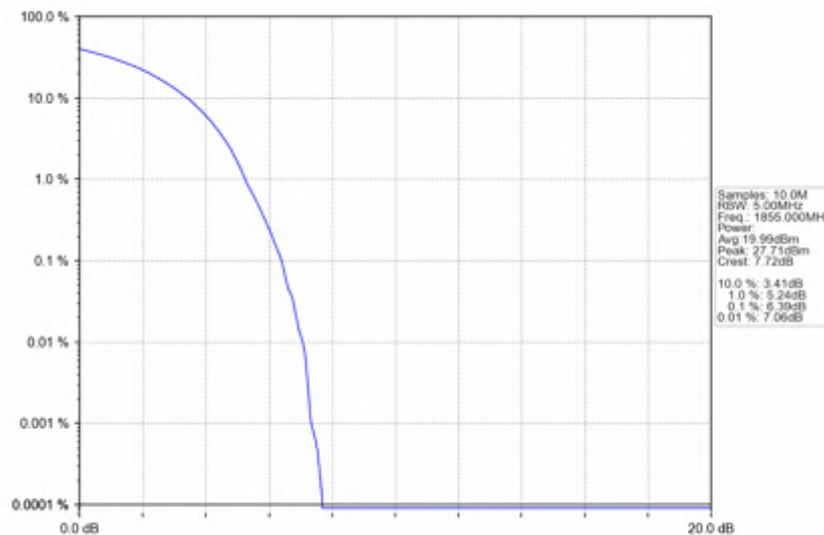
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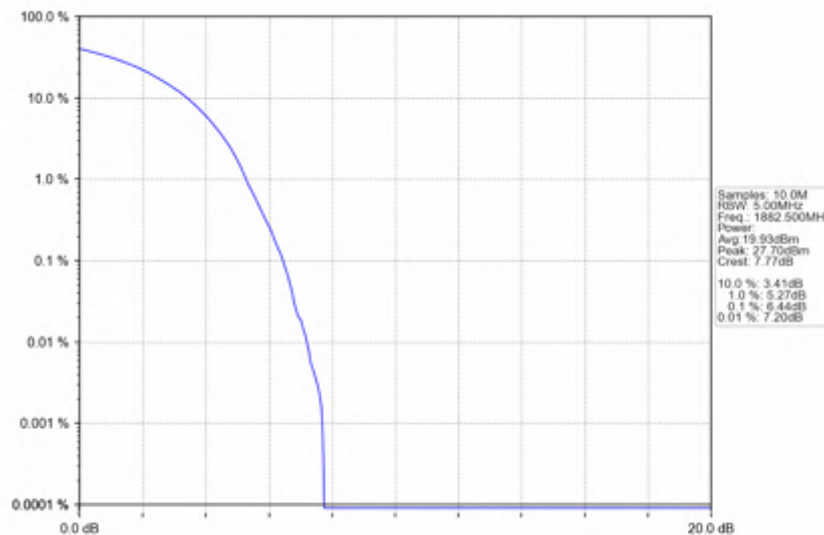
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n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_1855MHz_Outer_Full



n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_1882.5MHz_Outer_Full



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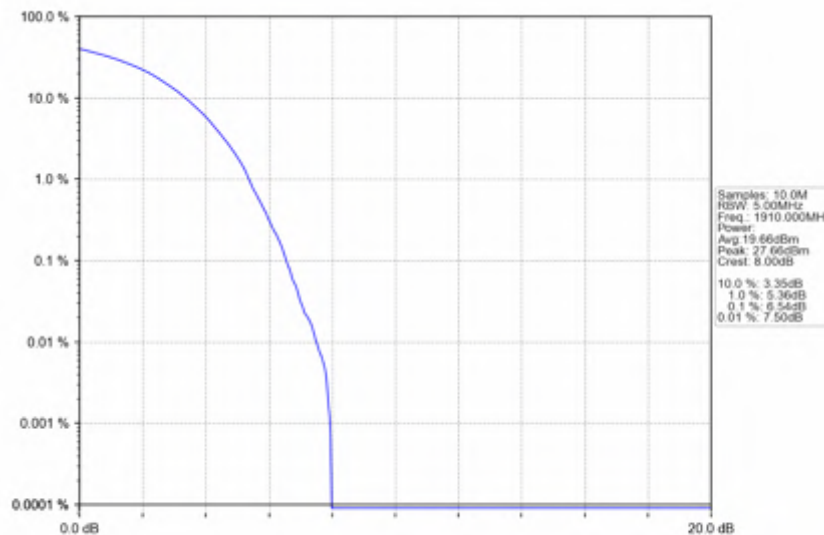
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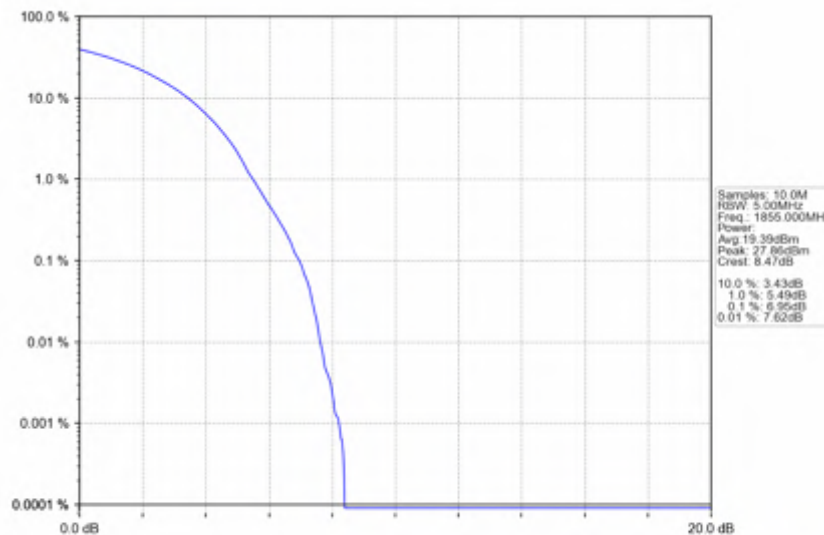
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n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_1910MHz_Outer_Full



n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_1855MHz_Outer_Full

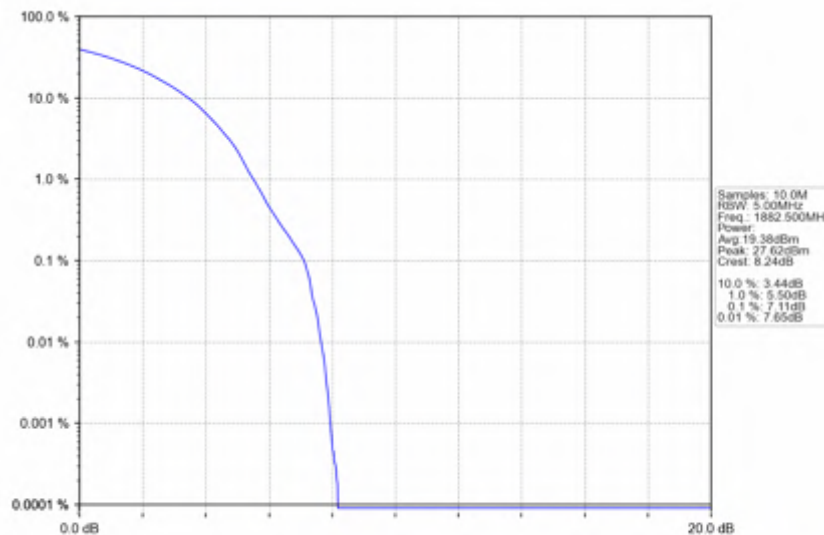


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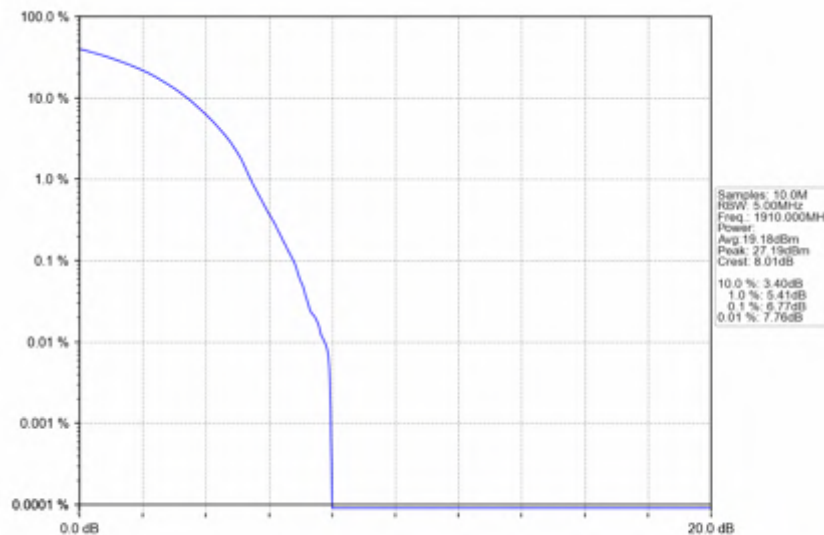
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n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_1882.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_1910MHz_Outer_Full



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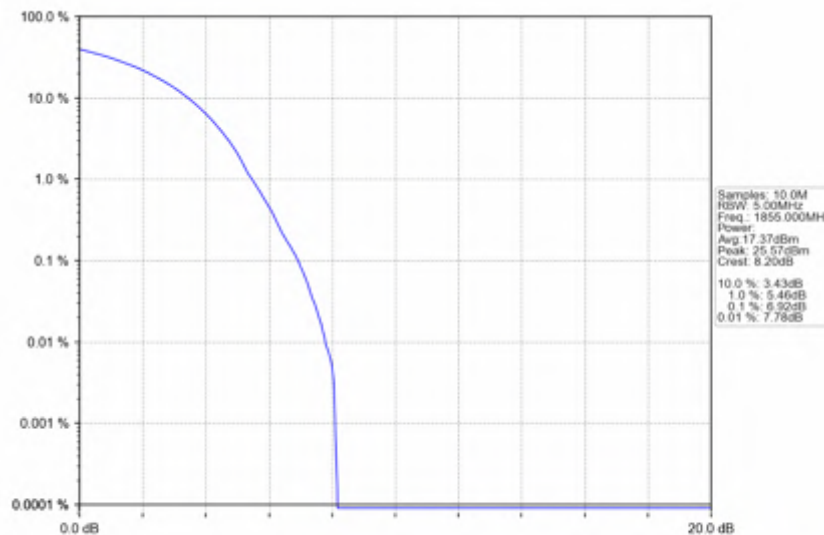
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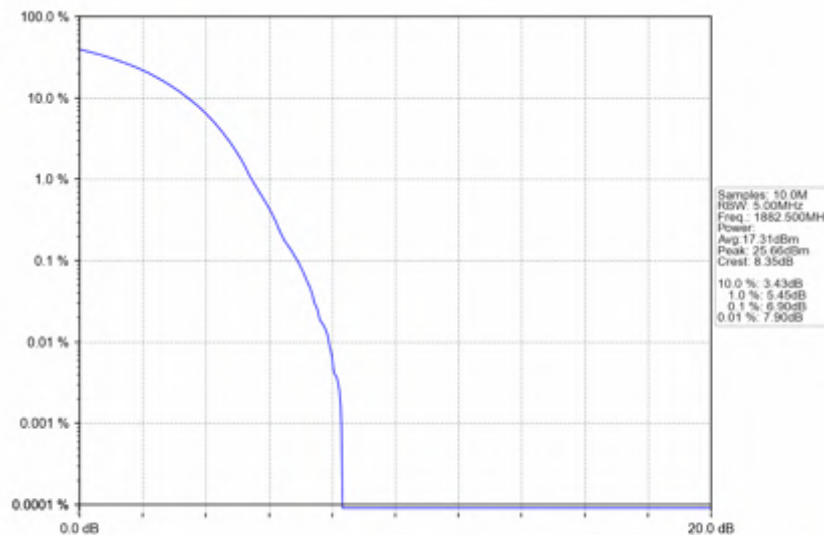
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n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_1855MHz_Outer_Full



n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_1882.5MHz_Outer_Full



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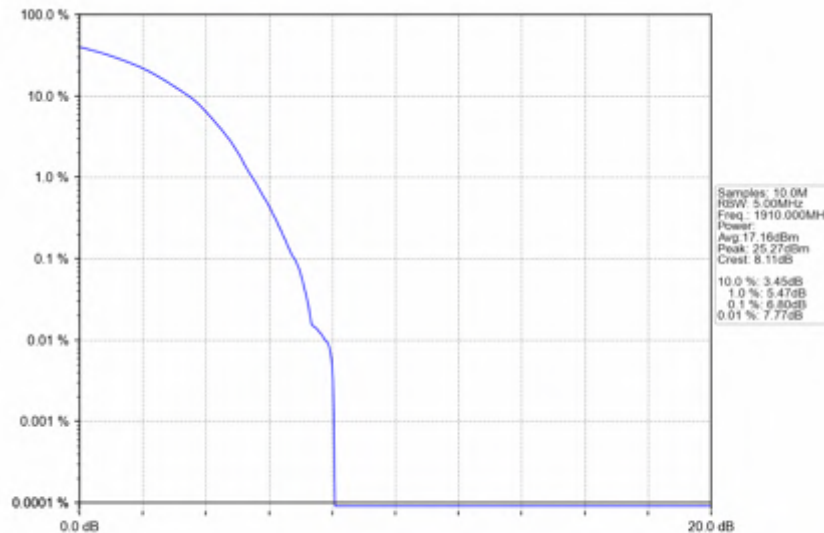
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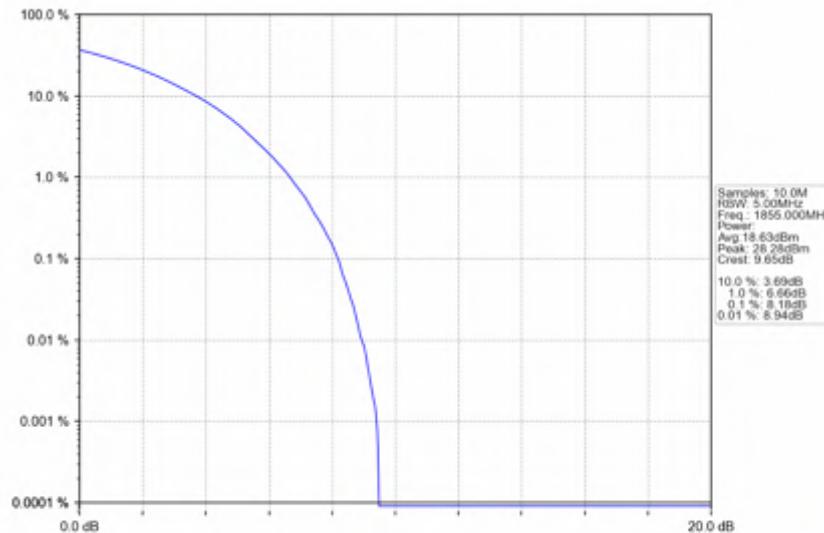
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n25_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_1910MHz_Outer_Full



n25_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1855MHz_Outer_Full



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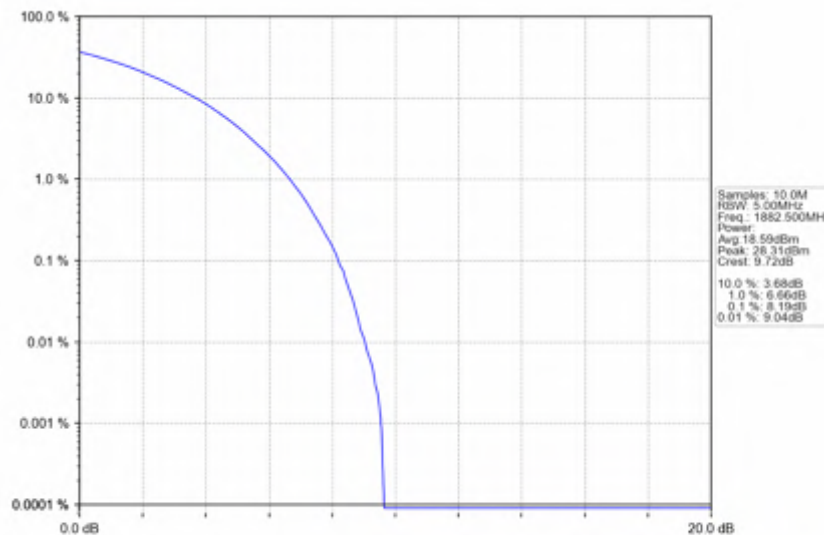
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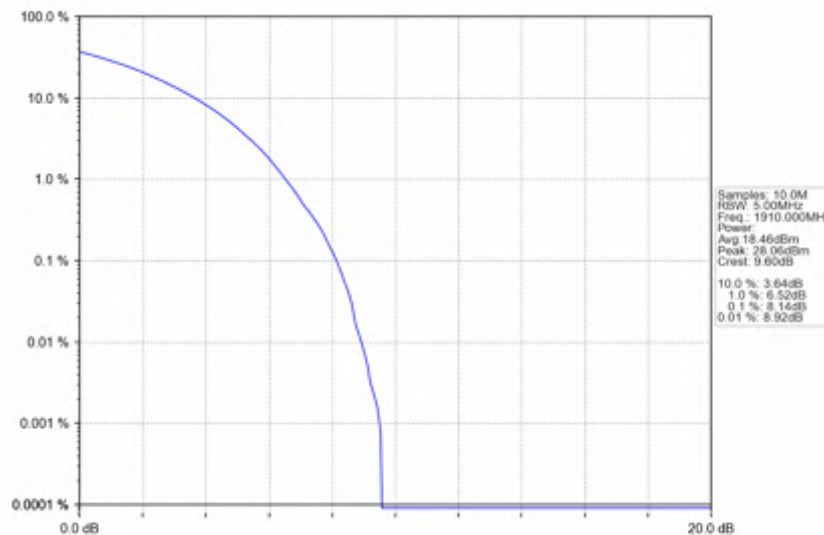
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n25_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1882.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1910MHz_Outer_Full

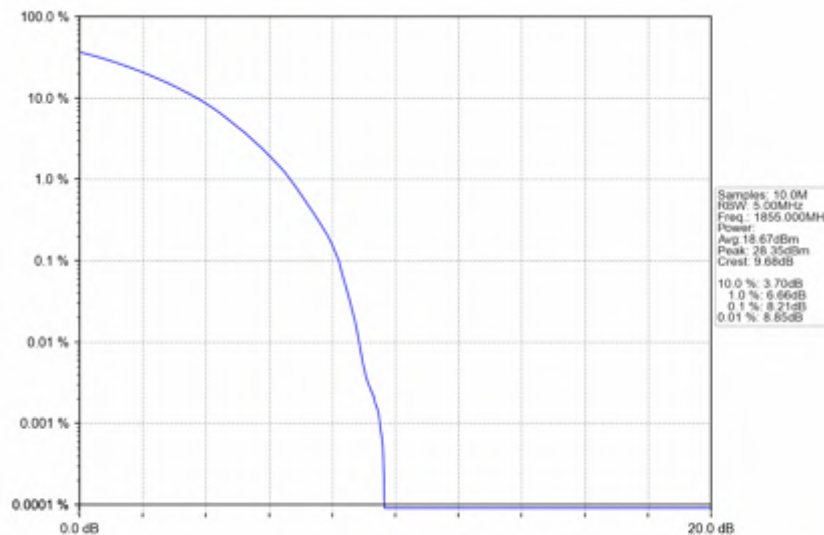


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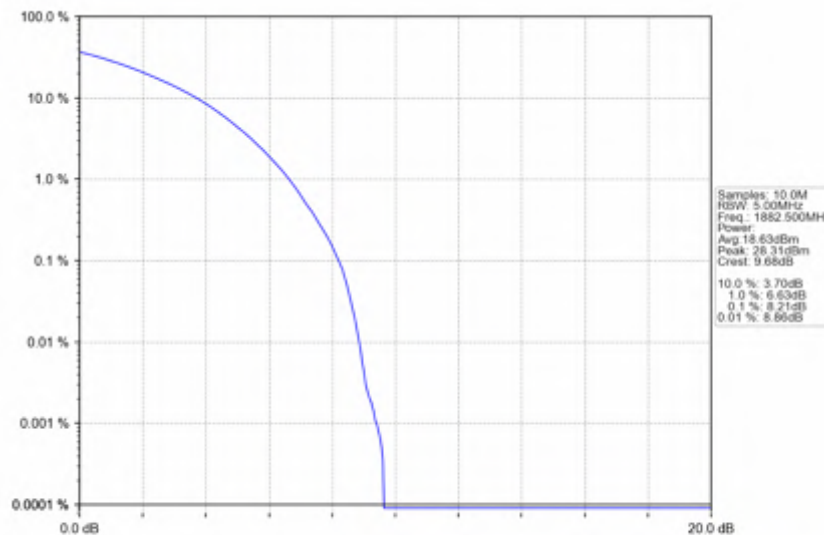
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n25_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_1855MHz_Outer_Full



n25_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_1882.5MHz_Outer_Full

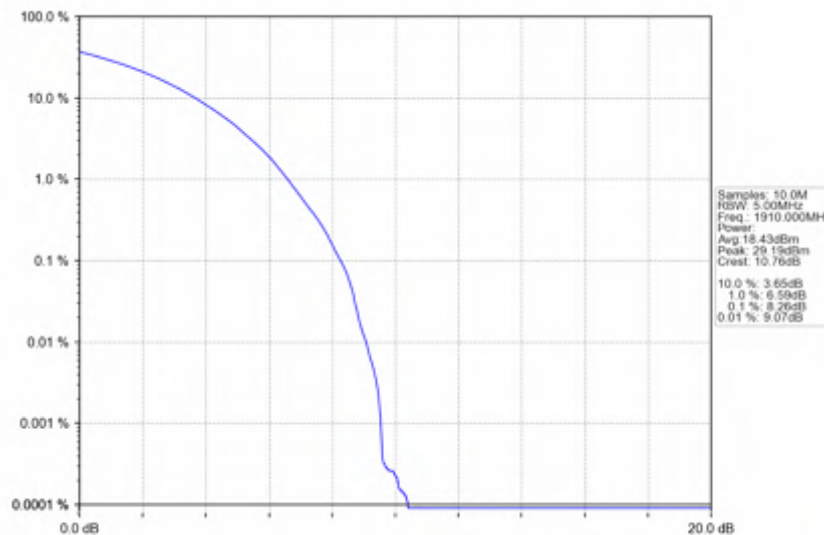


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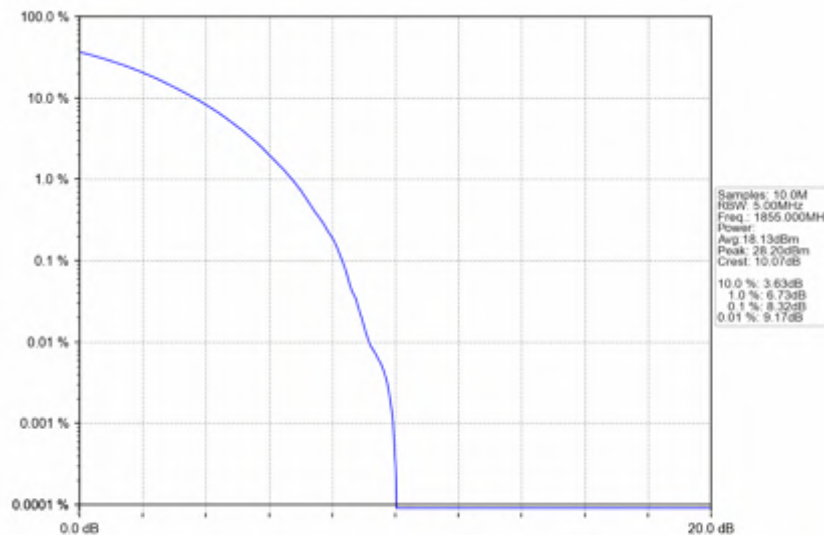
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n25_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_1910MHz_Outer_Full



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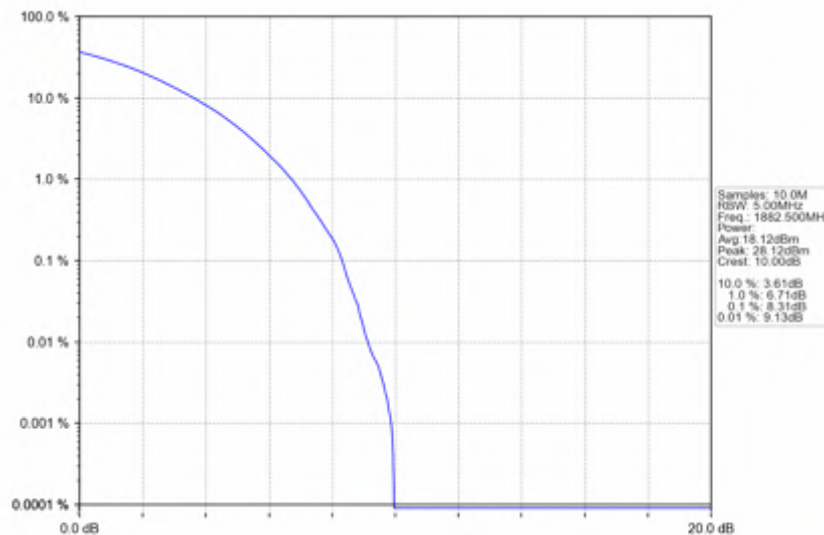


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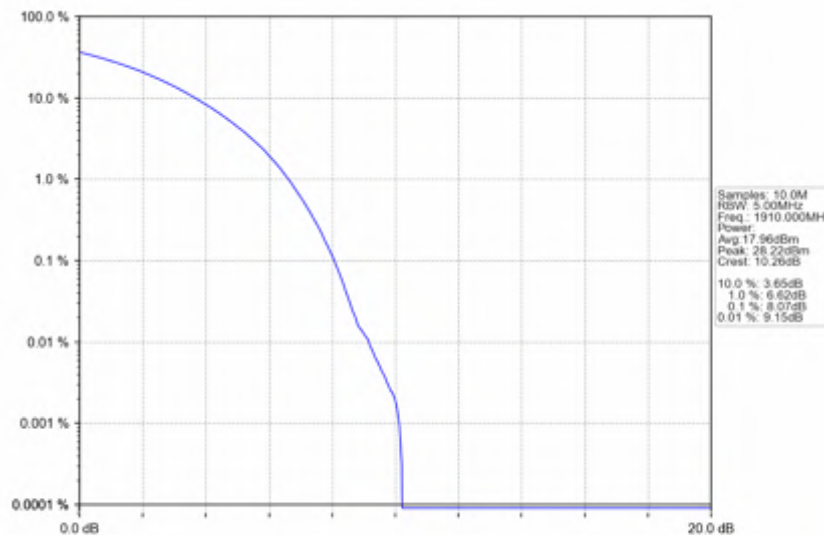
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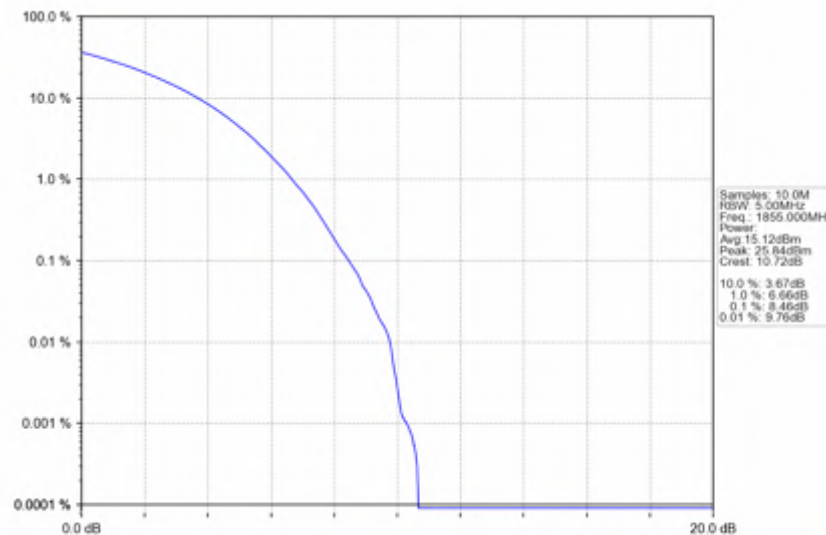
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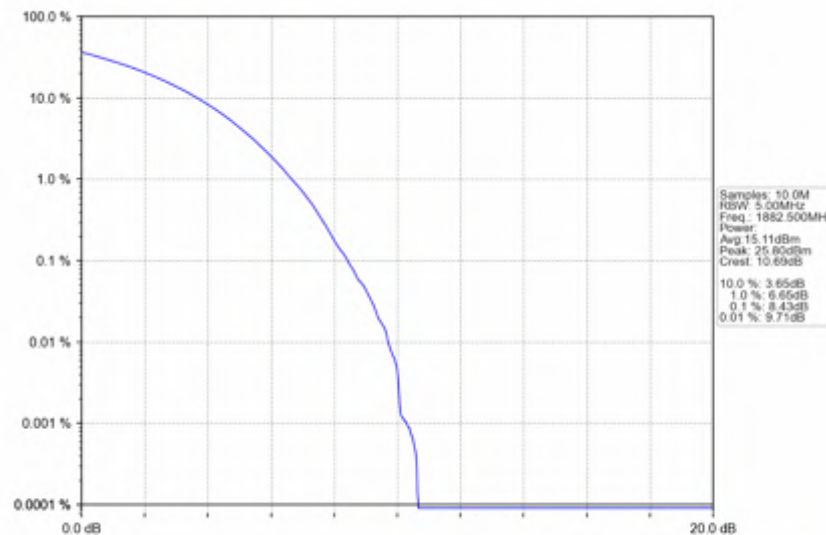
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n25	15kHz	SISO	NTNV	10MHz	CP-OFDM	256 QAM	1882.5MHz	Outer	Full
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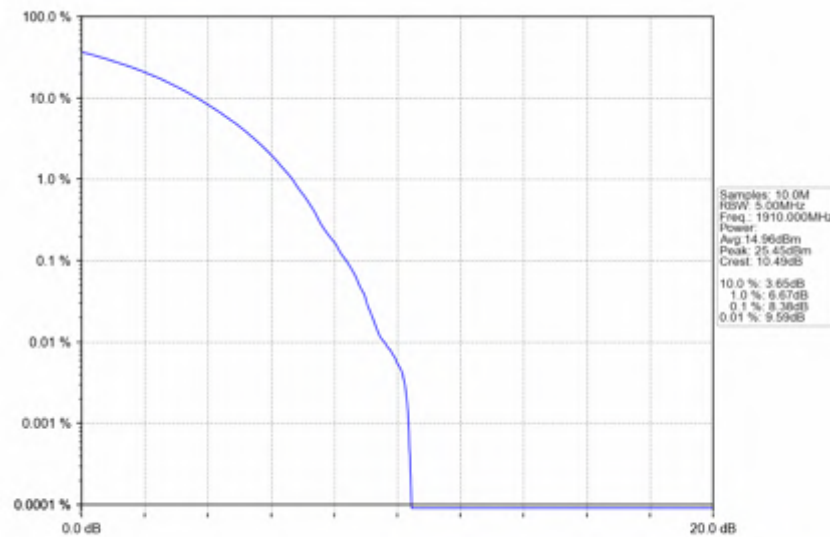


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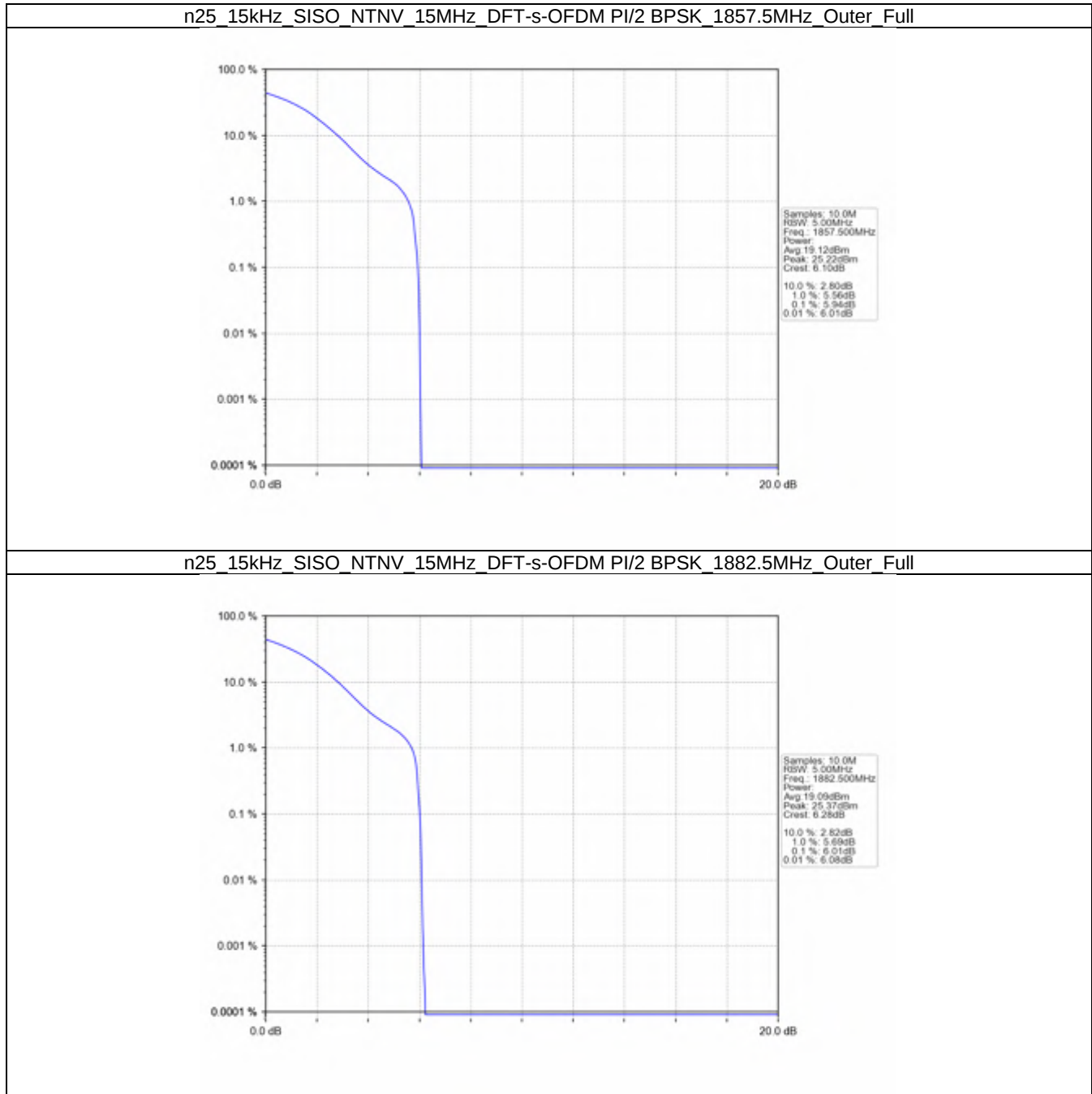
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4.3 15k_SISO_15MHz_NTNV

4.3.1 Test Result

5G NR n25 SCS=15kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1857.5	Outer_Full	5.94	/	/	<=13	Pass
	1882.5	Outer_Full	6.01	/	/	<=13	Pass
	1907.5	Outer_Full	6.04	/	/	<=13	Pass
DFT-s-OFDM QPSK	1857.5	Outer_Full	6.11	/	/	<=13	Pass
	1882.5	Outer_Full	6.21	/	/	<=13	Pass
	1907.5	Outer_Full	6.27	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1857.5	Outer_Full	6.97	/	/	<=13	Pass
	1882.5	Outer_Full	6.94	/	/	<=13	Pass
	1907.5	Outer_Full	6.98	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1857.5	Outer_Full	7.23	/	/	<=13	Pass
	1882.5	Outer_Full	7.38	/	/	<=13	Pass
	1907.5	Outer_Full	7.22	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1857.5	Outer_Full	7.11	/	/	<=13	Pass
	1882.5	Outer_Full	7.14	/	/	<=13	Pass
	1907.5	Outer_Full	7.10	/	/	<=13	Pass
CP-OFDM QPSK	1857.5	Outer_Full	8.43	/	/	<=13	Pass
	1882.5	Outer_Full	8.32	/	/	<=13	Pass
	1907.5	Outer_Full	8.25	/	/	<=13	Pass
CP-OFDM 16 QAM	1857.5	Outer_Full	8.31	/	/	<=13	Pass
	1882.5	Outer_Full	8.22	/	/	<=13	Pass
	1907.5	Outer_Full	8.21	/	/	<=13	Pass
CP-OFDM 64 QAM	1857.5	Outer_Full	8.41	/	/	<=13	Pass
	1882.5	Outer_Full	8.24	/	/	<=13	Pass
	1907.5	Outer_Full	8.21	/	/	<=13	Pass
CP-OFDM 256 QAM	1857.5	Outer_Full	8.68	/	/	<=13	Pass
	1882.5	Outer_Full	8.60	/	/	<=13	Pass
	1907.5	Outer_Full	8.58	/	/	<=13	Pass

4.3.2 Test Graph



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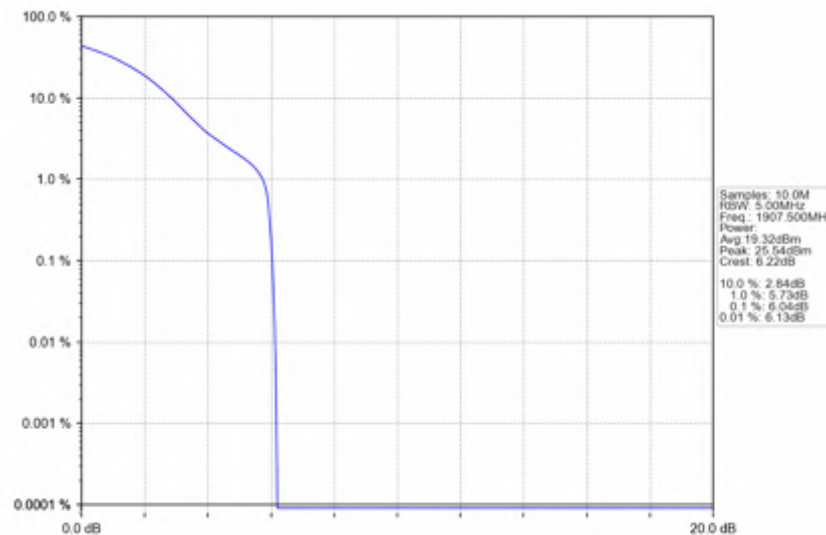
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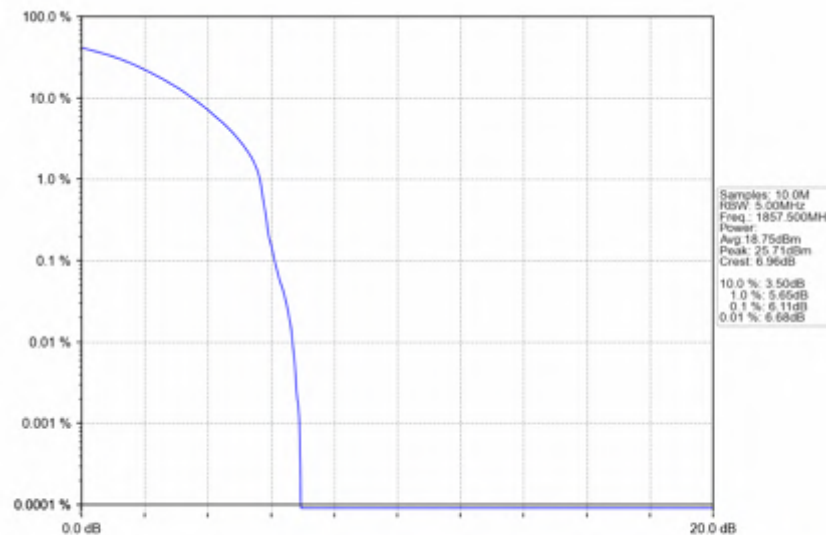
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0512-57350883 0512-57370911 sgs.china@sgs.com

n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_1907.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1857.5MHz_Outer_Full



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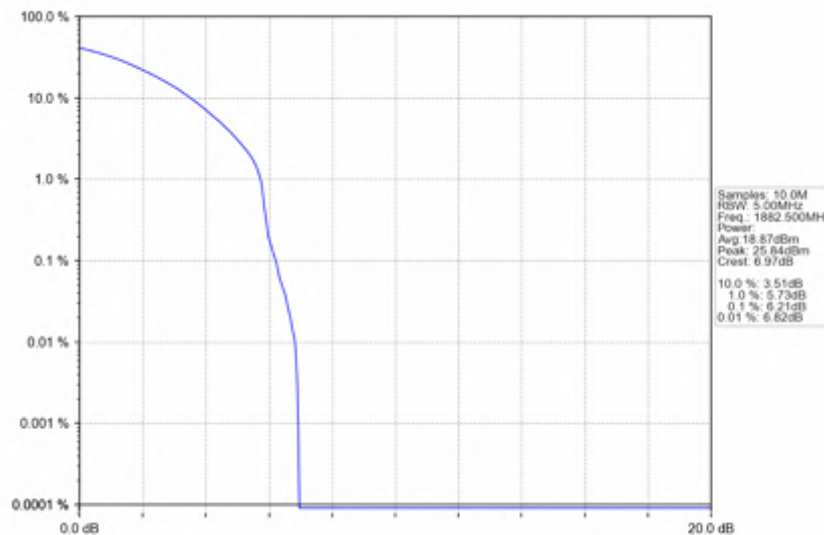
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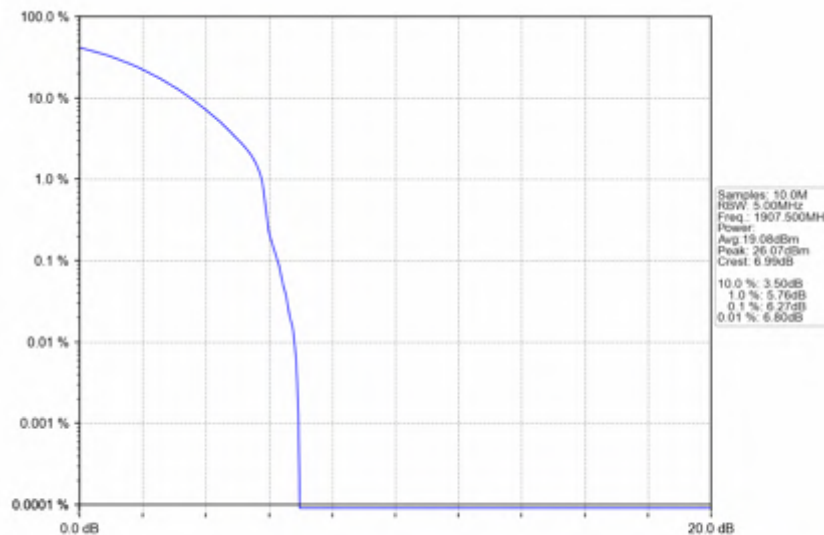
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n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_1882.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_1907.5MHz_Outer_Full



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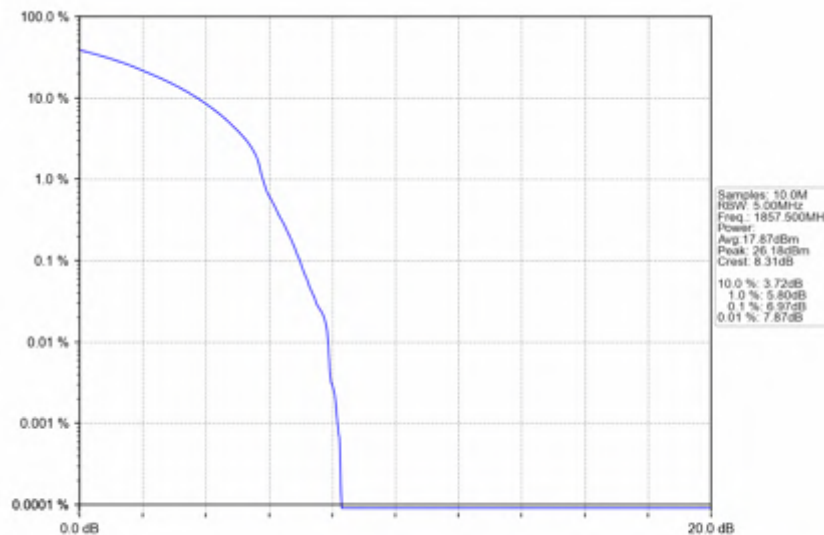
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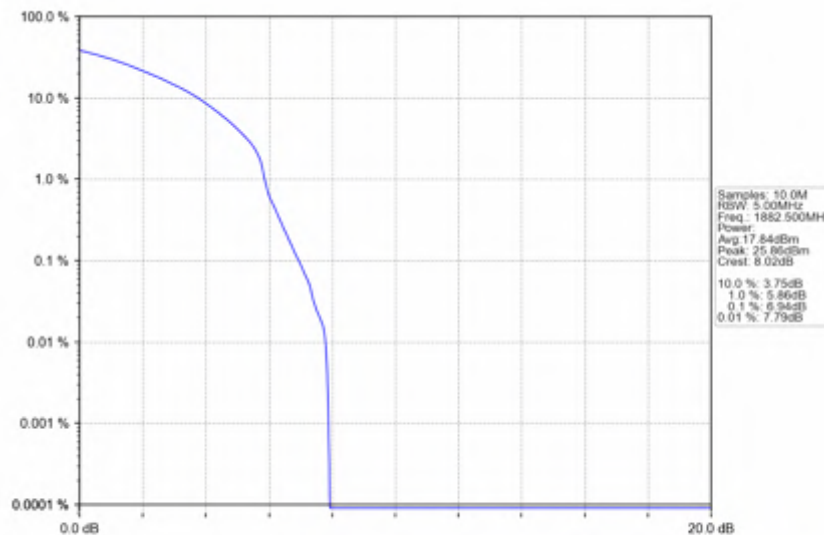
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n25_15kHz_SISO_NTV_15MHz_DFT-s-OFDM_16_QAM_1857.5MHz_Outer_Full



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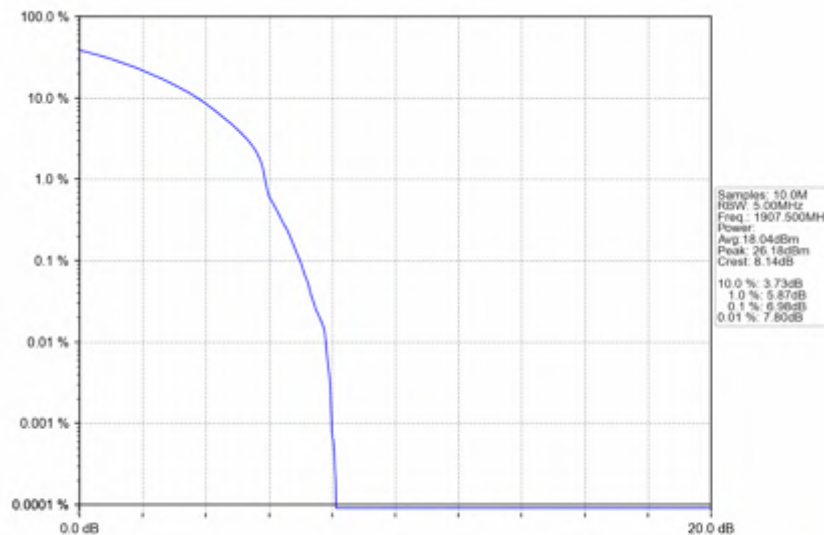


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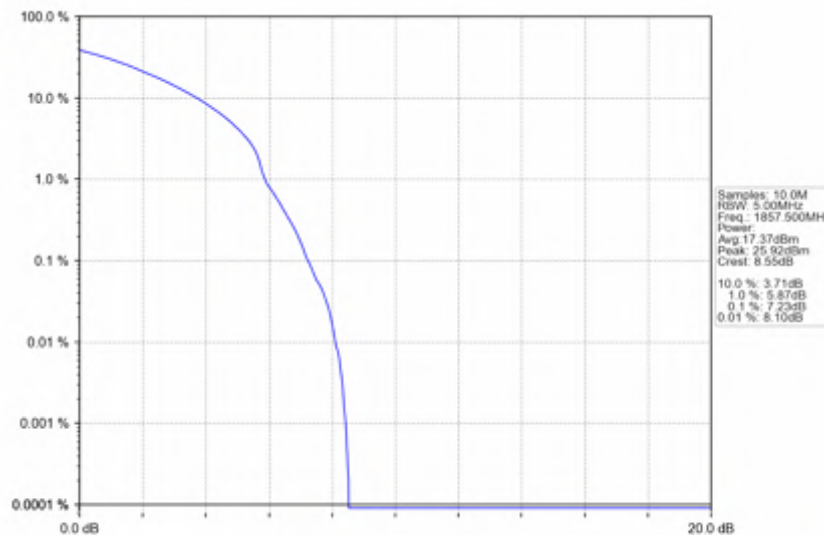
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n25_15kHz_SISO_NTV_15MHz_DFT-s-OFDM 16 QAM_1907.5MHz_Outer_Full



n25_15kHz_SISO_NTV_15MHz_DFT-s-OFDM 64 QAM_1857.5MHz_Outer_Full



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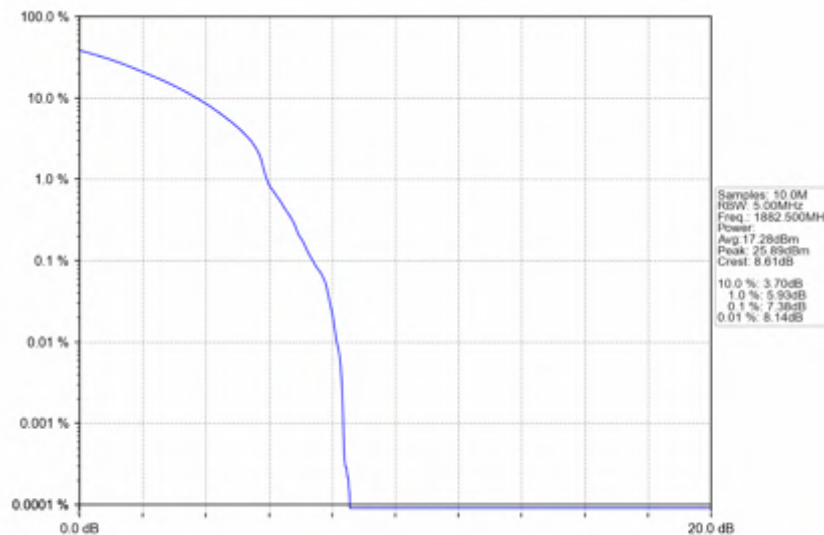
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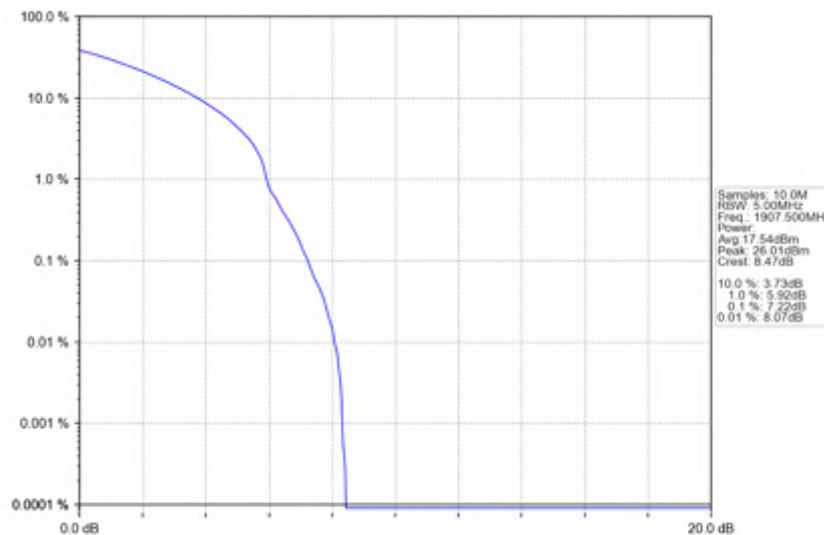
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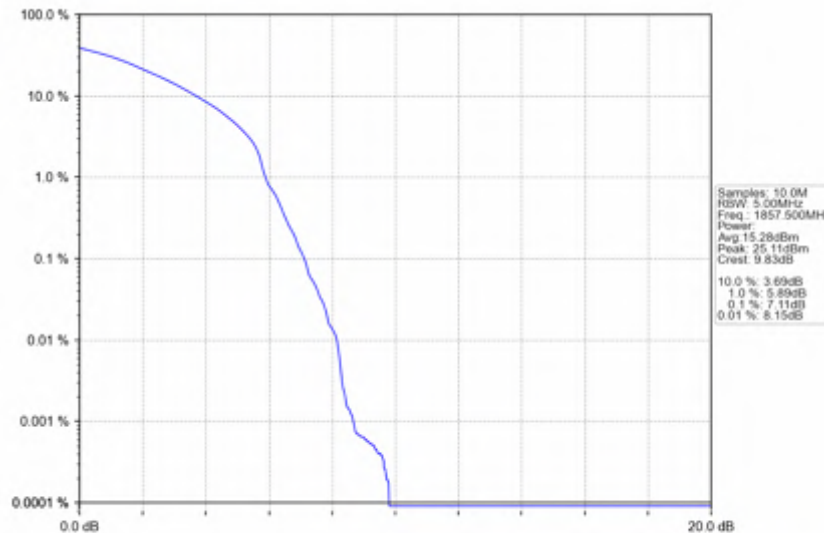
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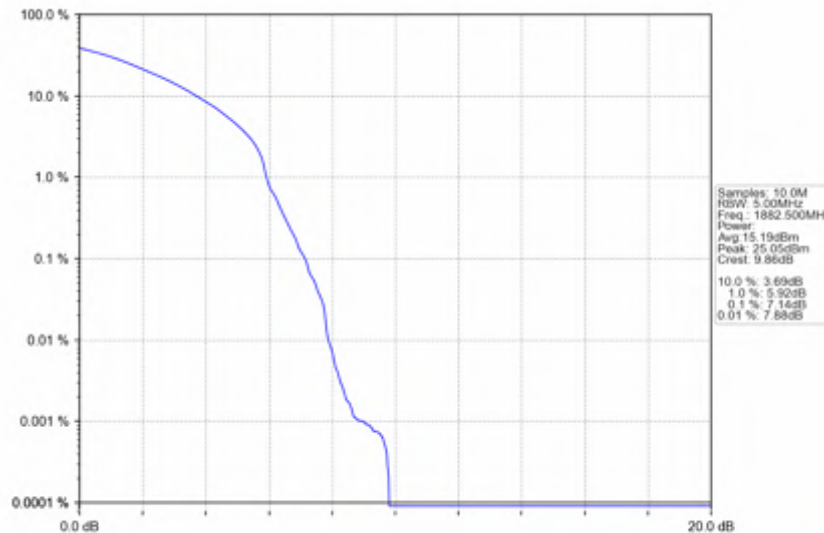
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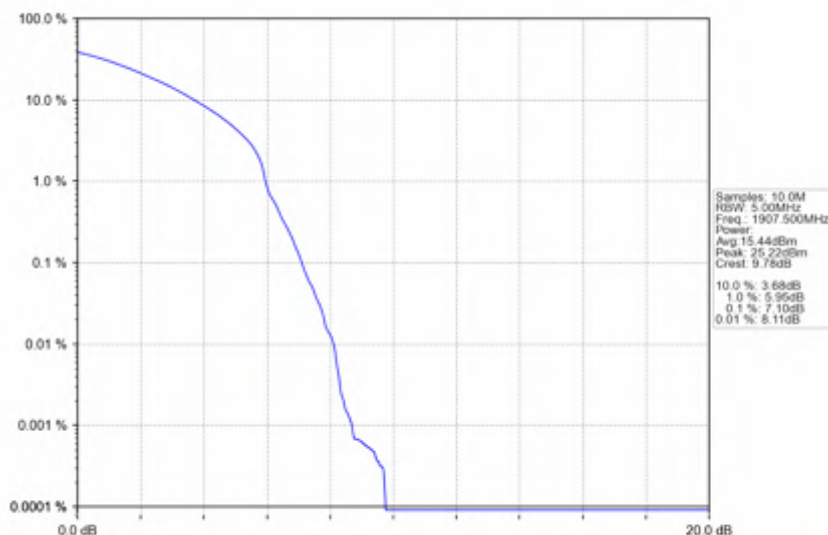


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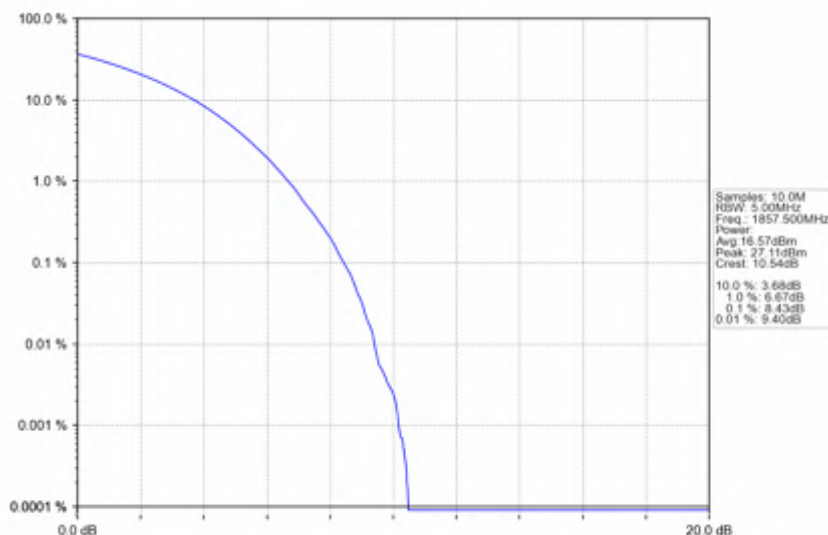
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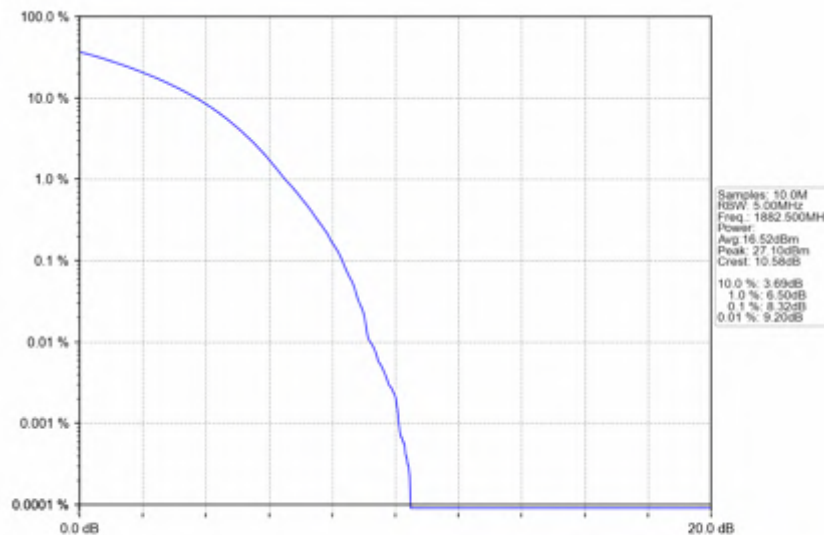
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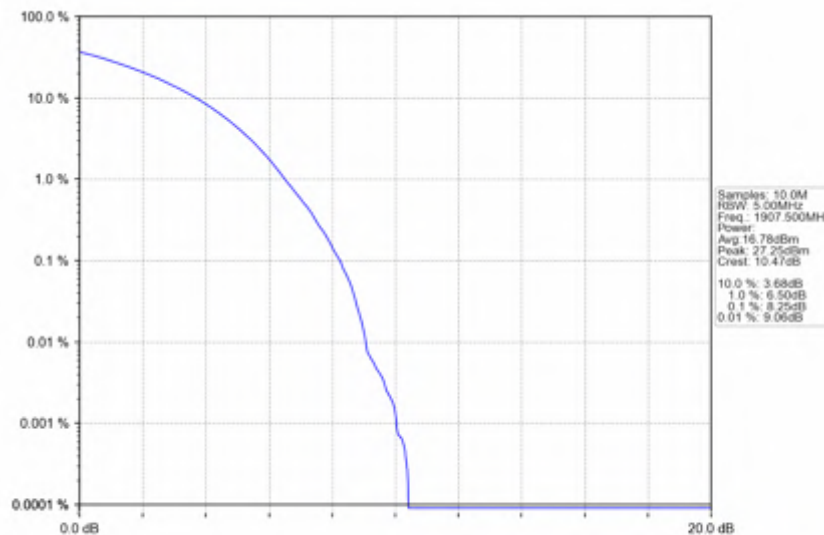
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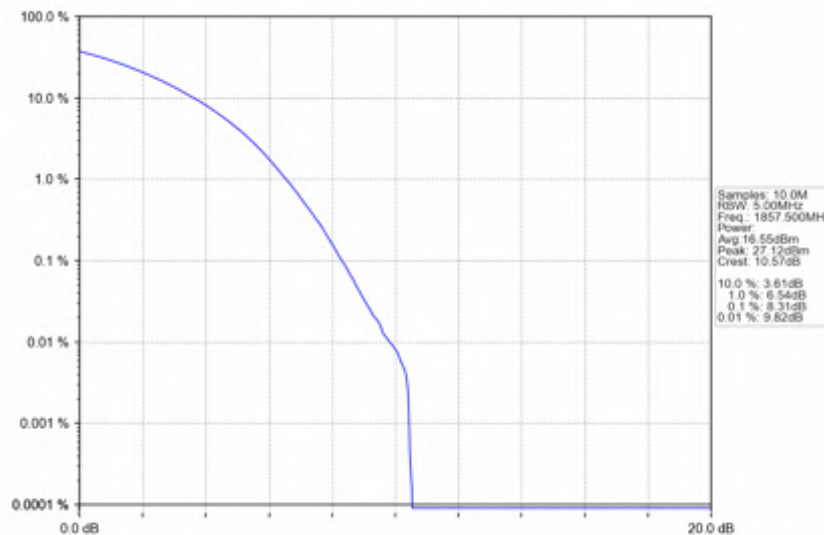
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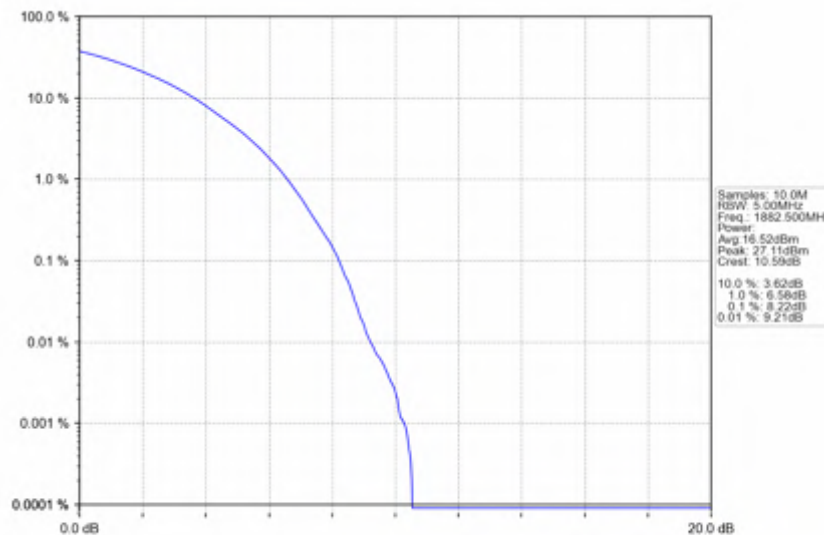
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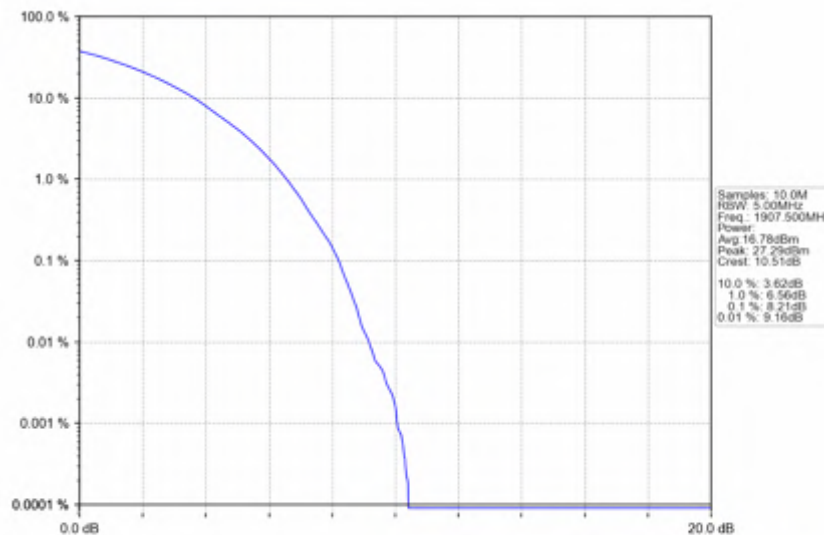


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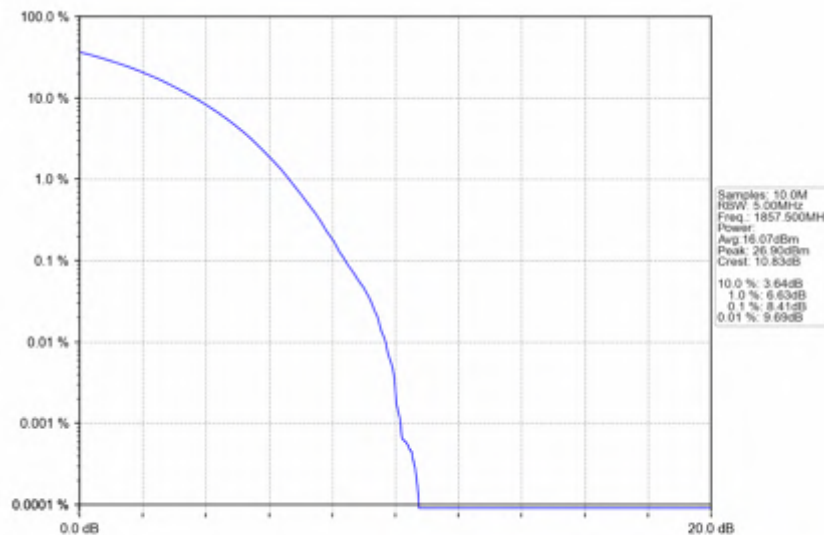
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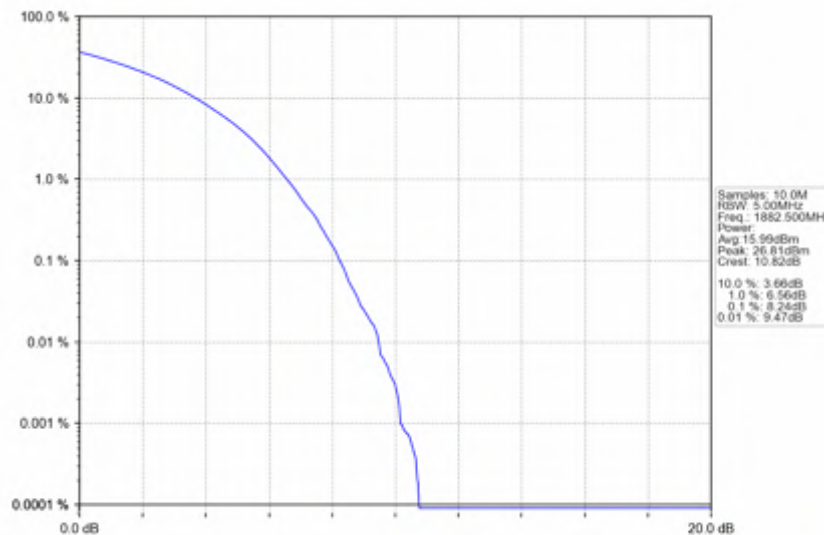
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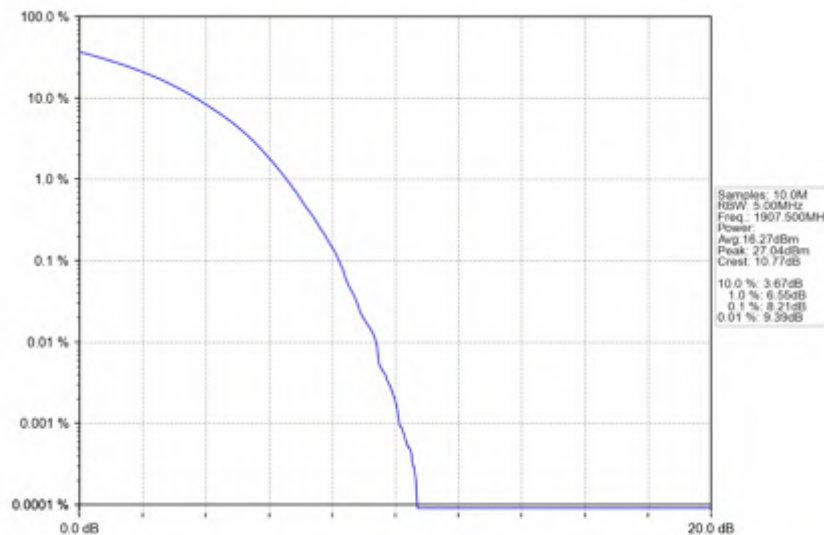
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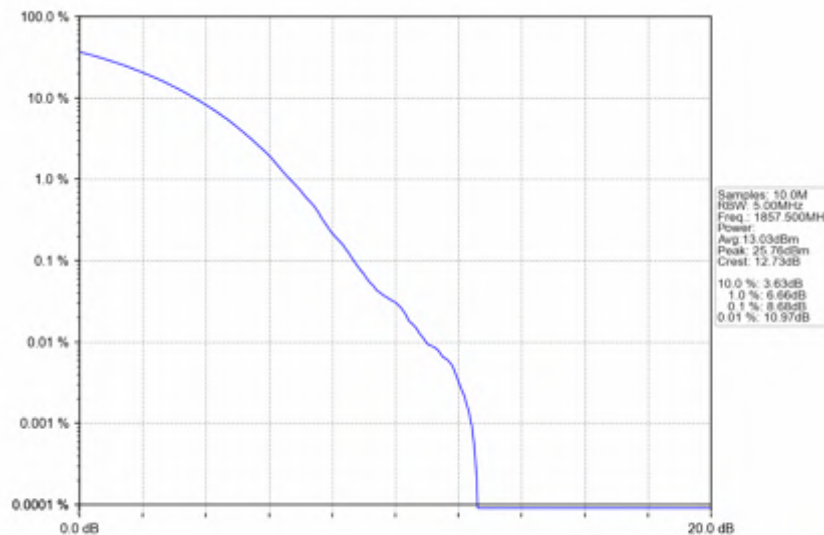


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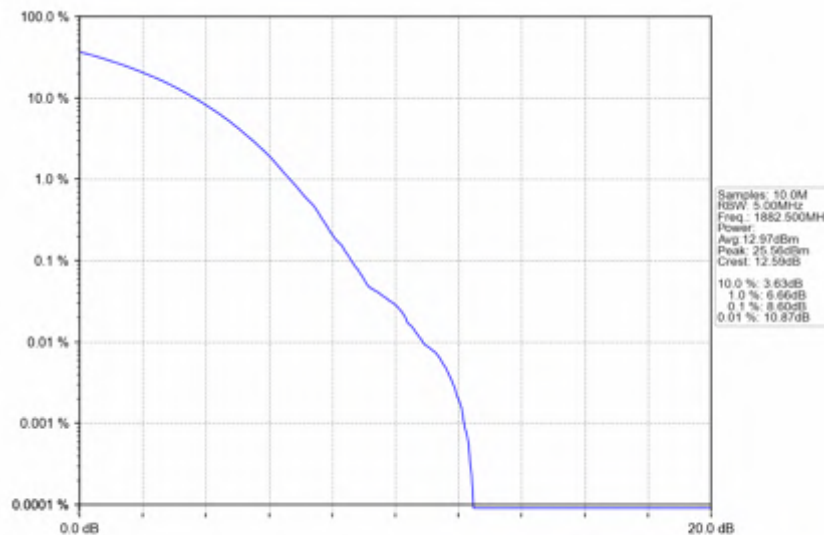
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n25_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_1857.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_1882.5MHz_Outer_Full

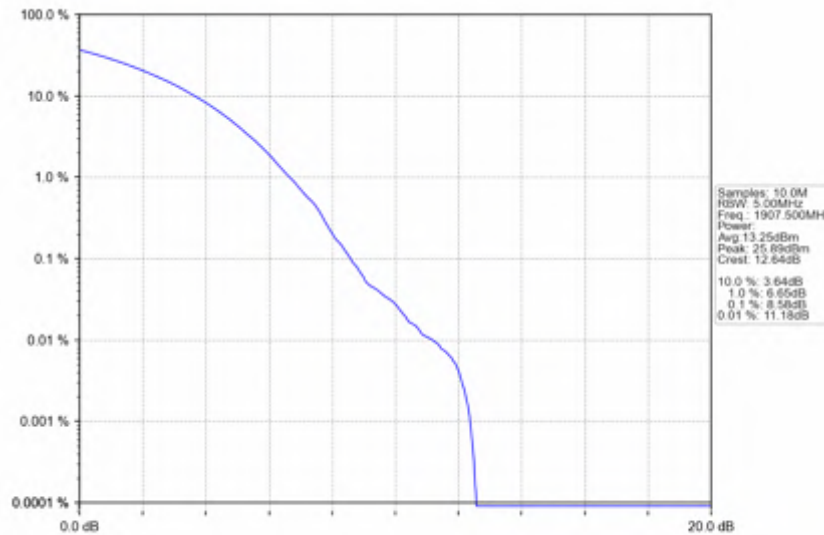


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n25_15kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_1907.5MHz_Outer_Full



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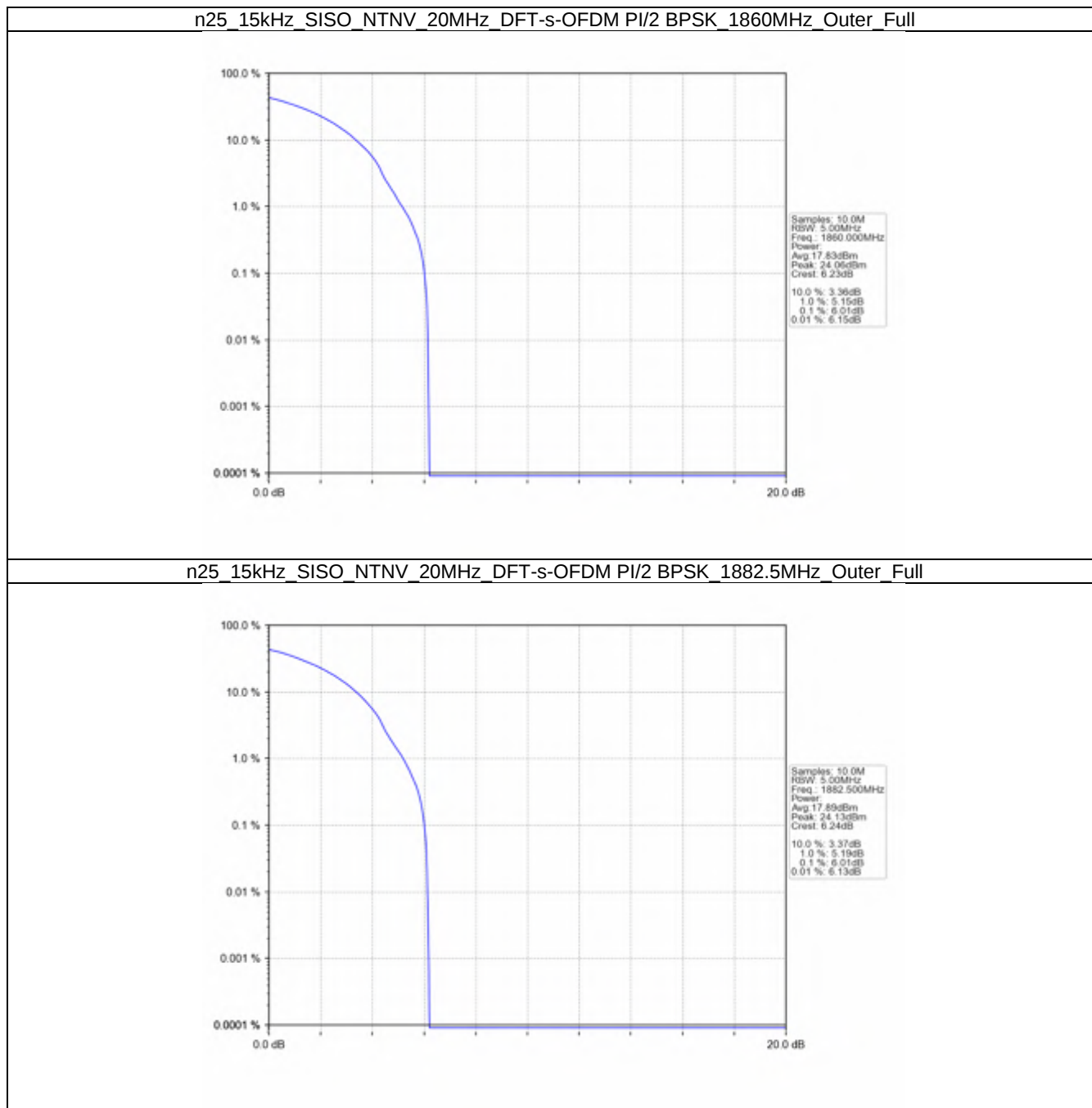
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4.4 15k_SISO_20MHz_NTNV

4.4.1 Test Result

5G NR n25 SCS=15kHz SISO 20MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1860	Outer_Full	6.01	/	/	<=13	Pass
	1882.5	Outer_Full	6.01	/	/	<=13	Pass
	1905	Outer_Full	5.98	/	/	<=13	Pass
DFT-s-OFDM QPSK	1860	Outer_Full	6.62	/	/	<=13	Pass
	1882.5	Outer_Full	6.63	/	/	<=13	Pass
	1905	Outer_Full	6.59	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1860	Outer_Full	7.33	/	/	<=13	Pass
	1882.5	Outer_Full	7.42	/	/	<=13	Pass
	1905	Outer_Full	7.39	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1860	Outer_Full	7.26	/	/	<=13	Pass
	1882.5	Outer_Full	7.23	/	/	<=13	Pass
	1905	Outer_Full	7.25	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1860	Outer_Full	7.48	/	/	<=13	Pass
	1882.5	Outer_Full	7.54	/	/	<=13	Pass
	1905	Outer_Full	7.45	/	/	<=13	Pass
CP-OFDM QPSK	1860	Outer_Full	8.39	/	/	<=13	Pass
	1882.5	Outer_Full	8.42	/	/	<=13	Pass
	1905	Outer_Full	8.39	/	/	<=13	Pass
CP-OFDM 16 QAM	1860	Outer_Full	8.27	/	/	<=13	Pass
	1882.5	Outer_Full	8.24	/	/	<=13	Pass
	1905	Outer_Full	8.23	/	/	<=13	Pass
CP-OFDM 64 QAM	1860	Outer_Full	8.24	/	/	<=13	Pass
	1882.5	Outer_Full	8.15	/	/	<=13	Pass
	1905	Outer_Full	8.17	/	/	<=13	Pass
CP-OFDM 256 QAM	1860	Outer_Full	8.22	/	/	<=13	Pass
	1882.5	Outer_Full	8.15	/	/	<=13	Pass
	1905	Outer_Full	8.21	/	/	<=13	Pass

4.4.2 Test Graph



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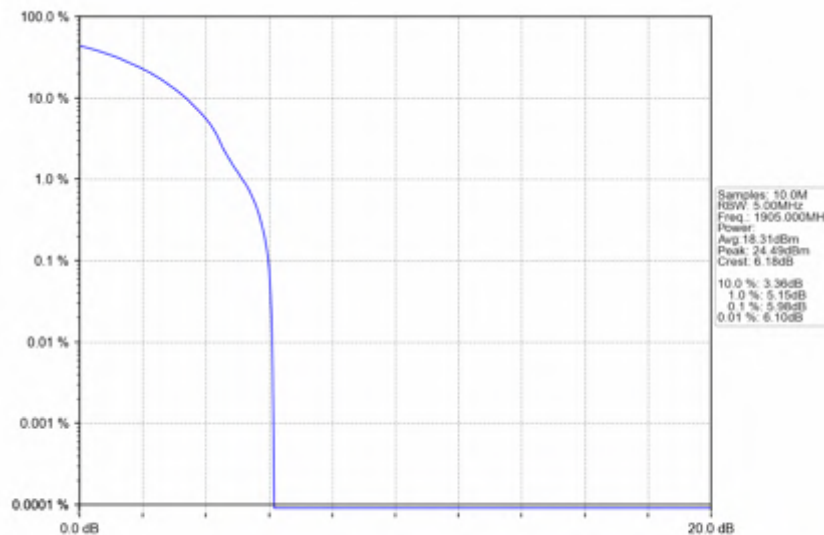
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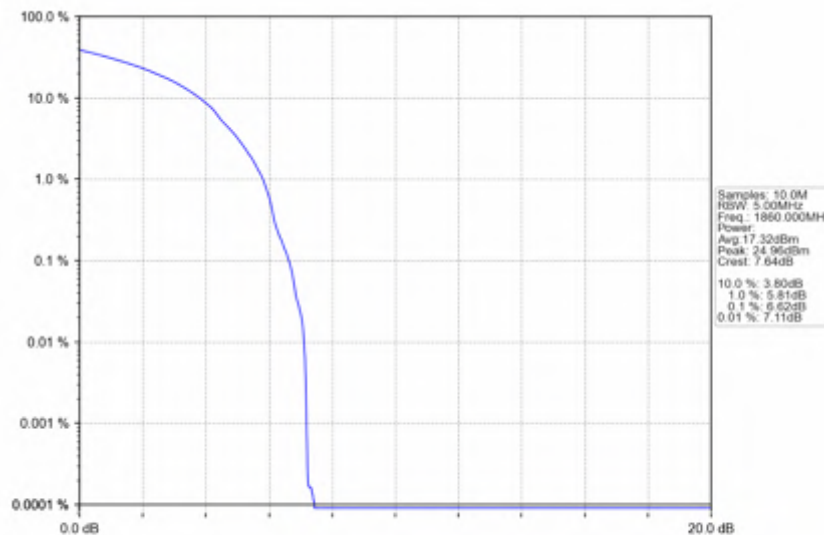
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n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_1905MHz_Outer_Full



n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_1860MHz_Outer_Full

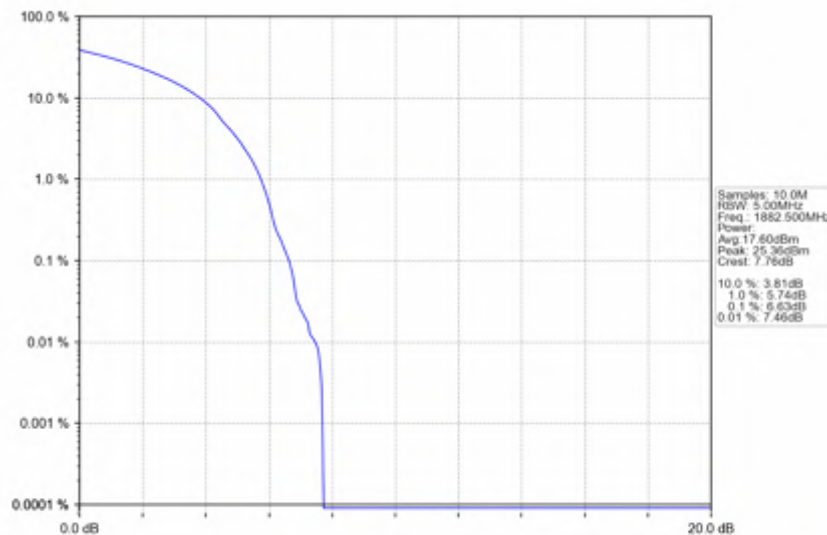


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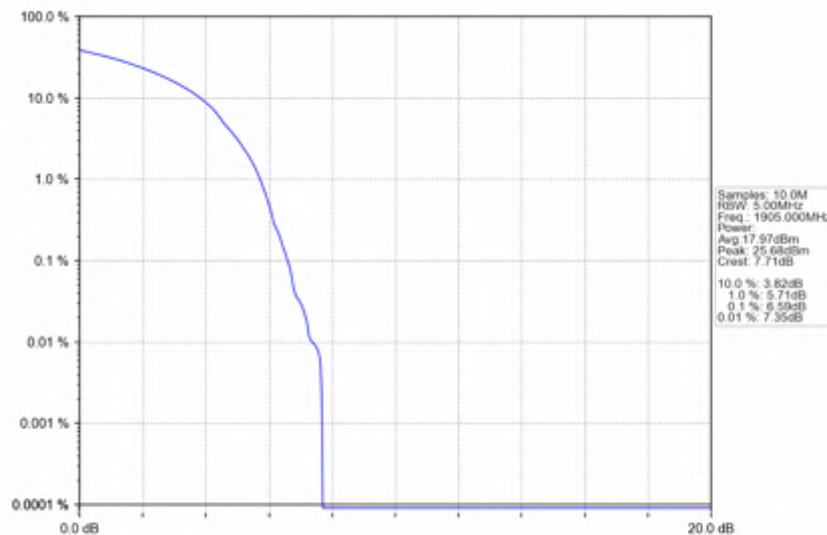
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n25 15kHz SISO NTNV 20MHz DFT-s-OFDM QPSK 1882.5MHz Outer Full



n25 15kHz SISO NTV 20MHz DFT-s-OFDM QPSK 1905MHz Outer Full

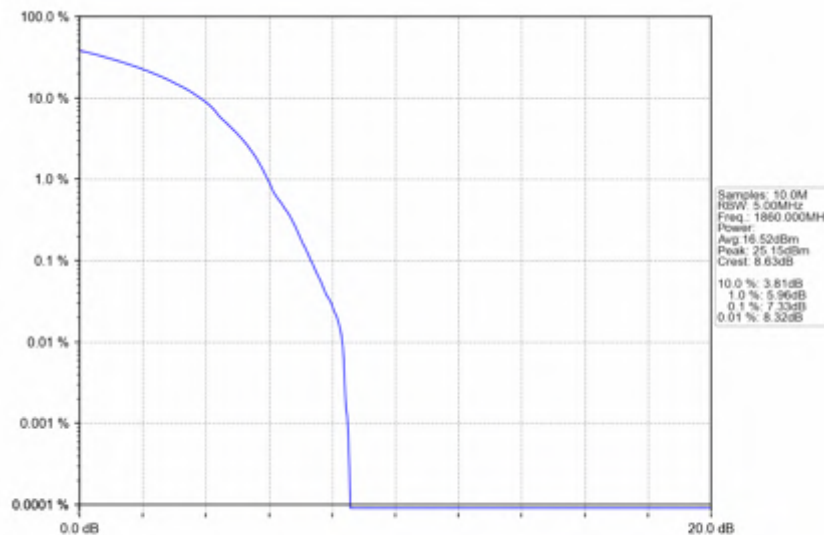


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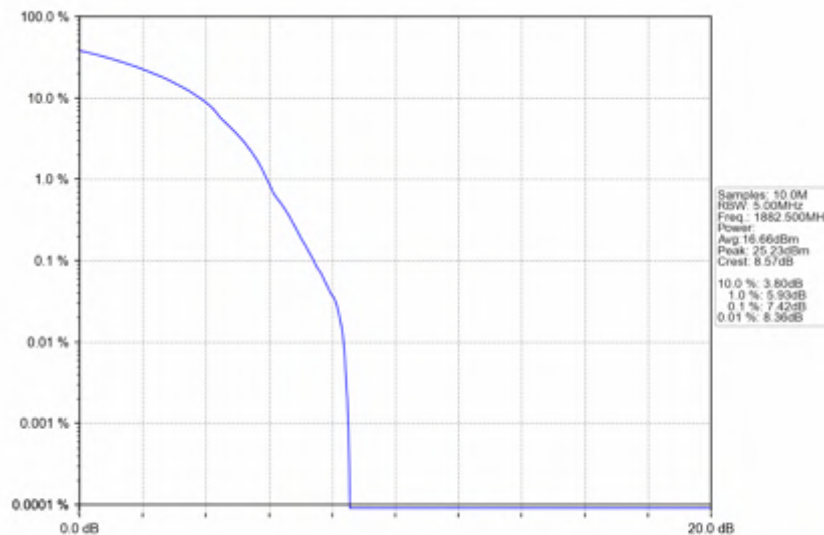
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n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_1860MHz_Outer_Full



n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_1882.5MHz_Outer_Full



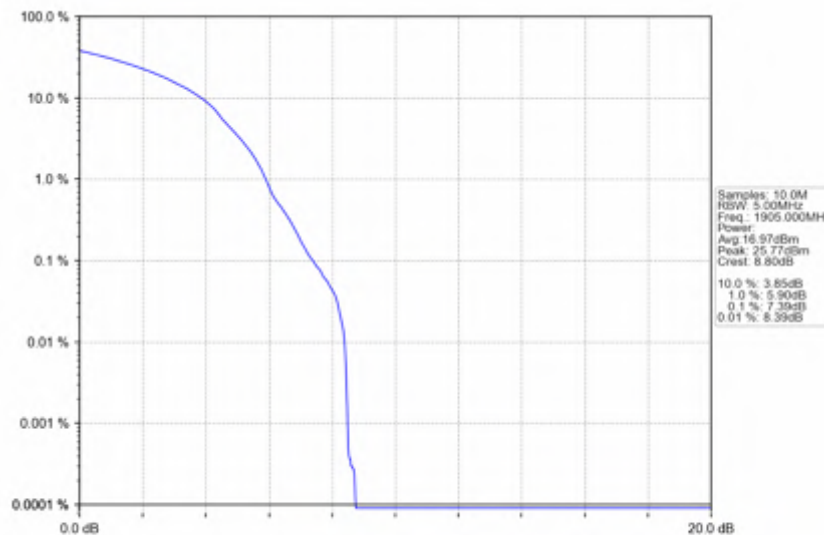
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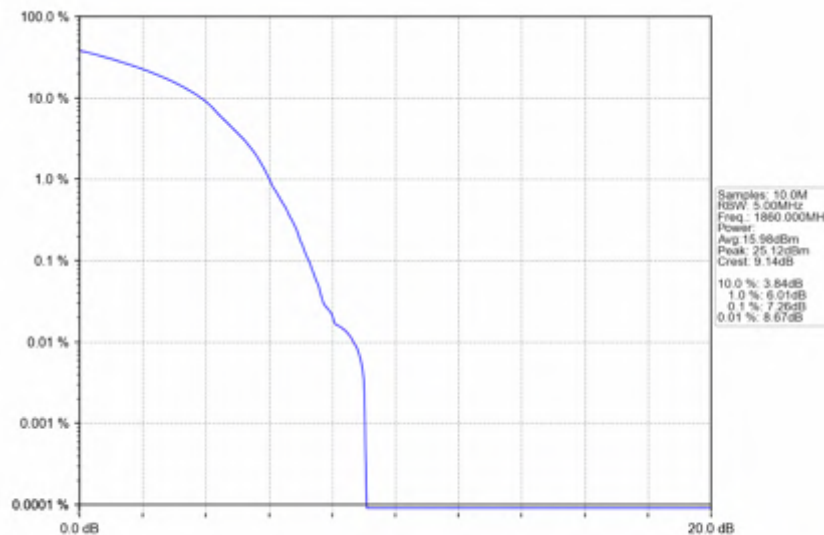
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n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_1905MHz_Outer_Full



n25_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_1860MHz_Outer_Full



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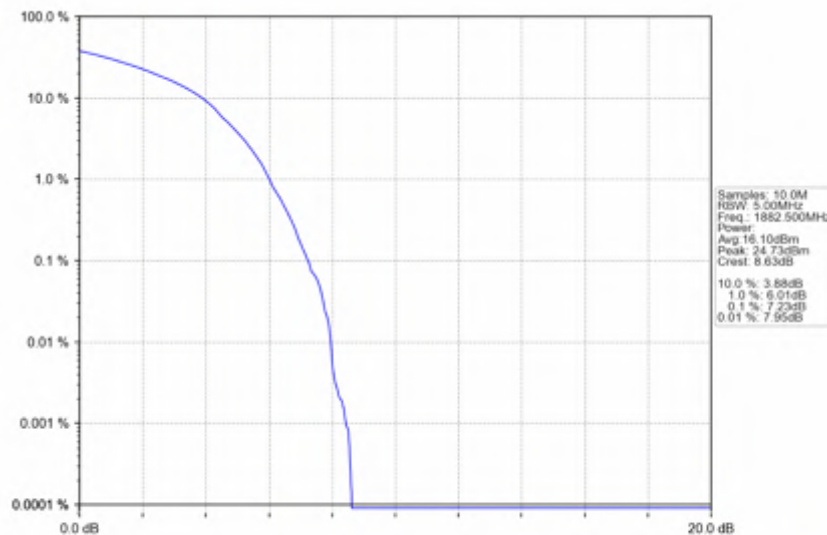
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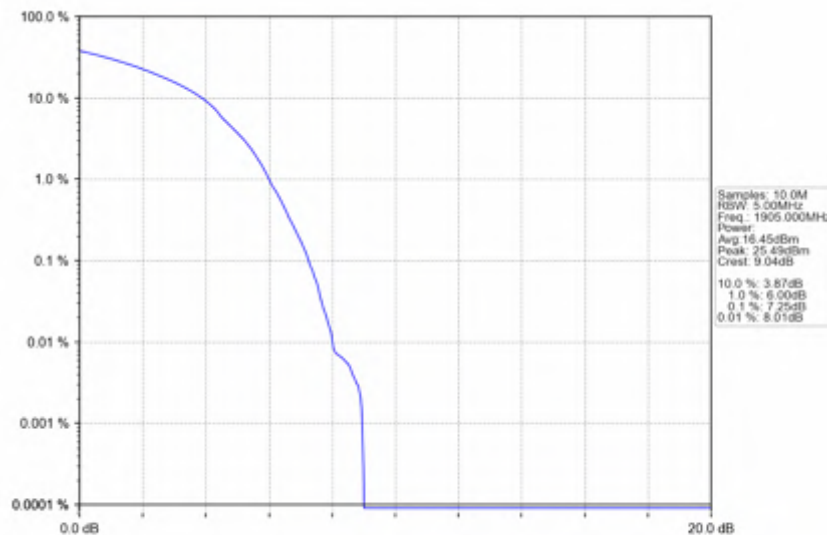
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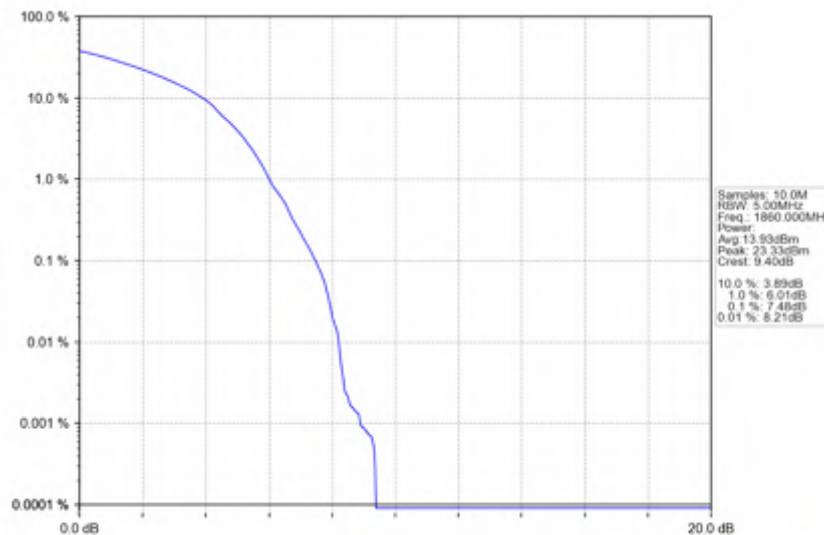
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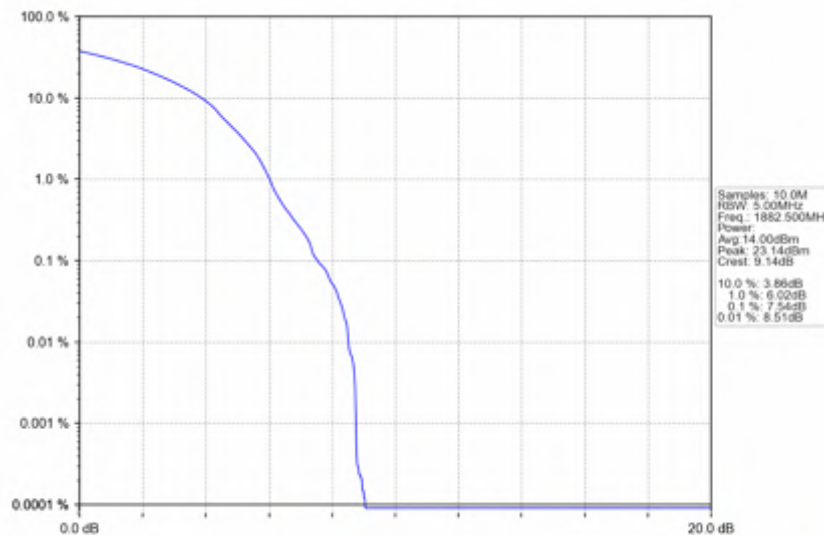
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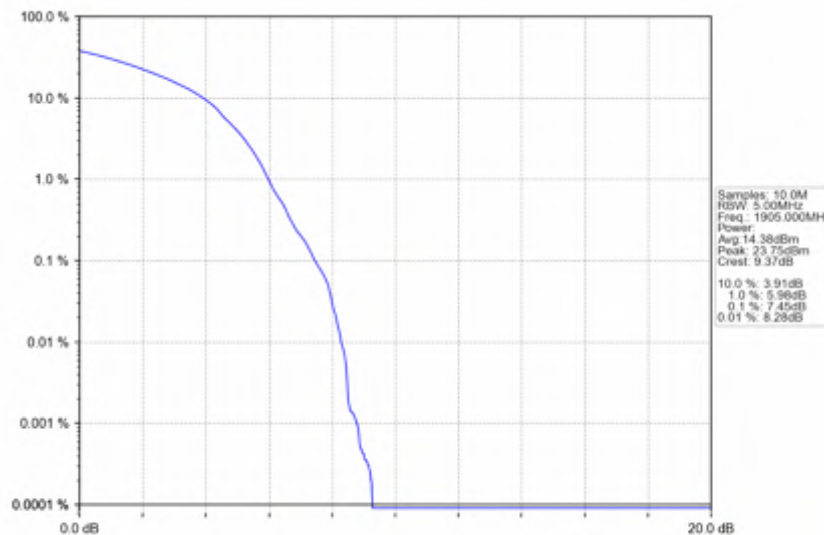
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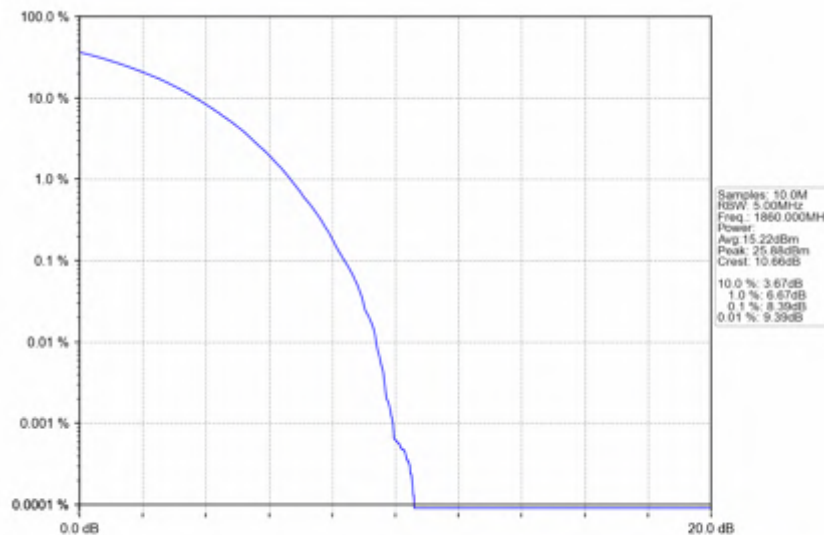
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n25_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_1860MHz_Outer_Full



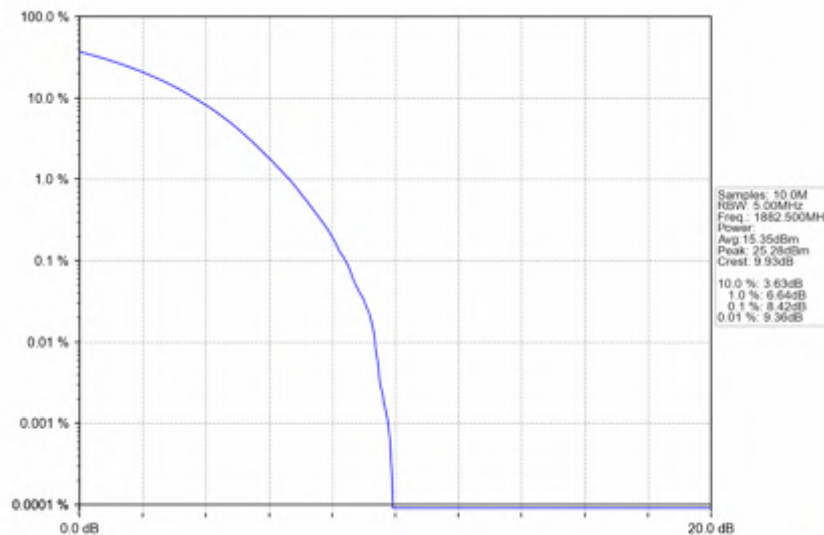
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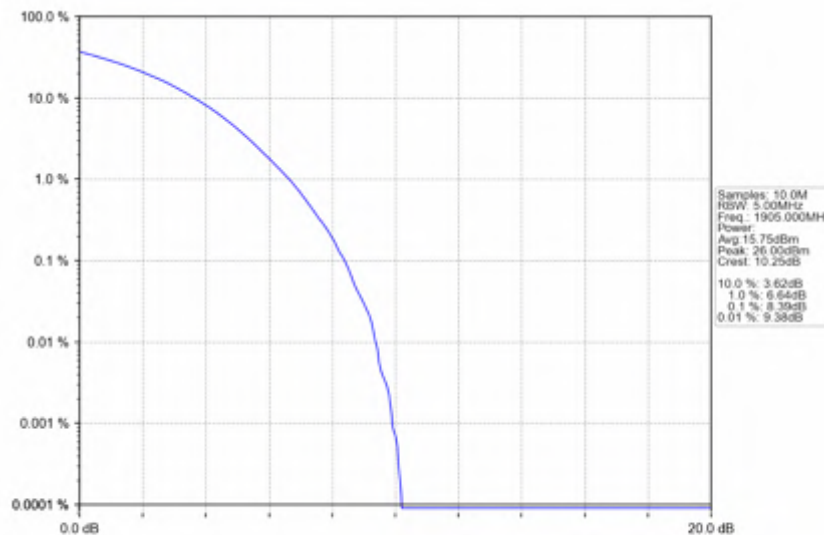
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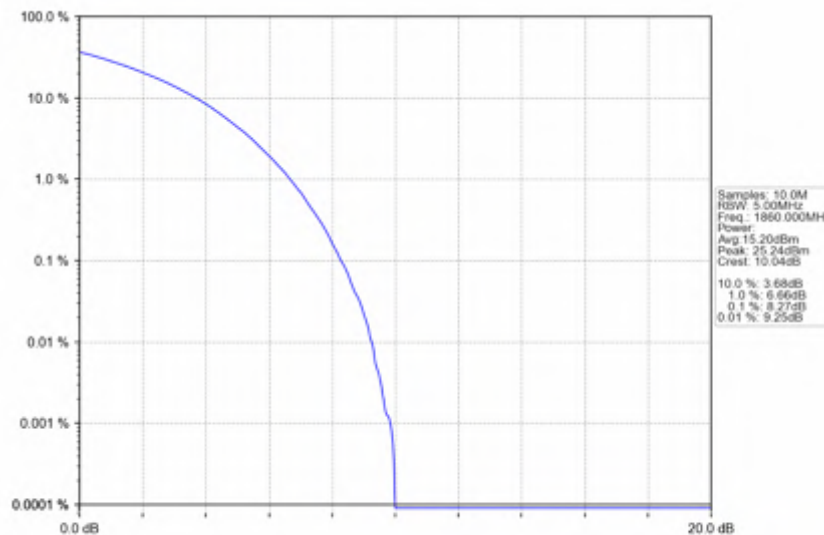


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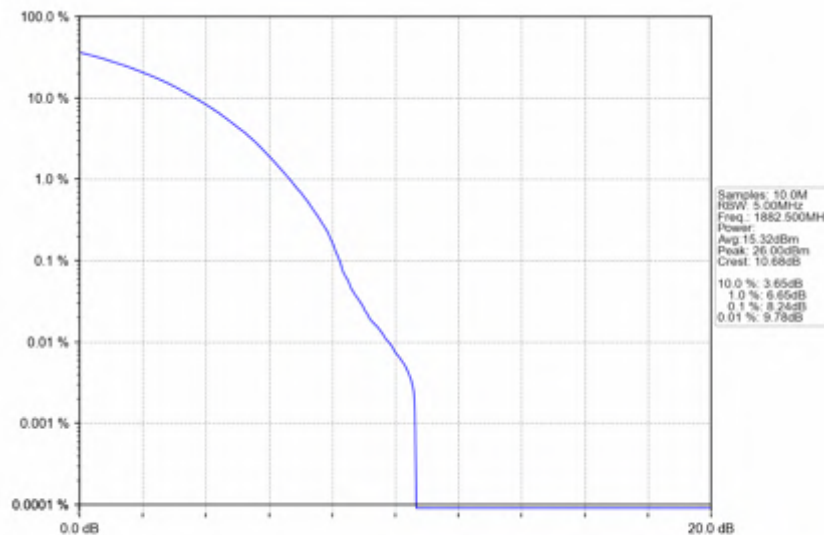
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n25_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_1860MHz_Outer_Full



n25_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_1882.5MHz_Outer_Full



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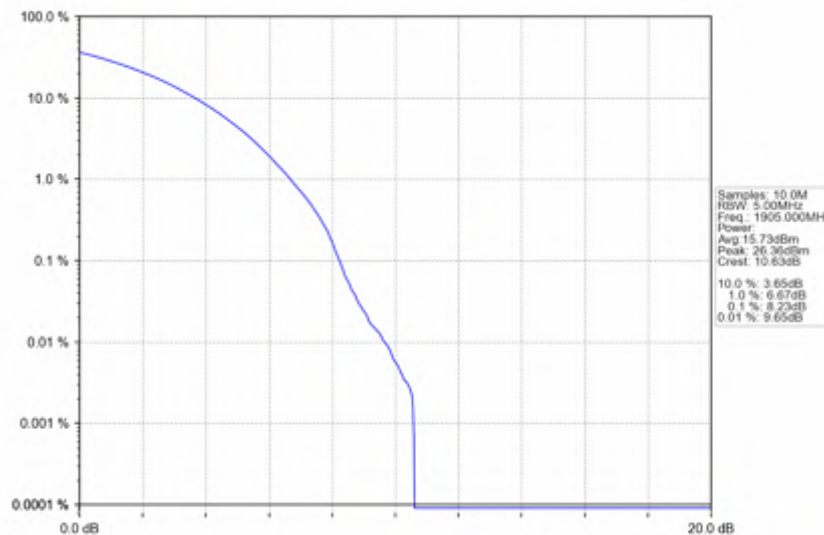
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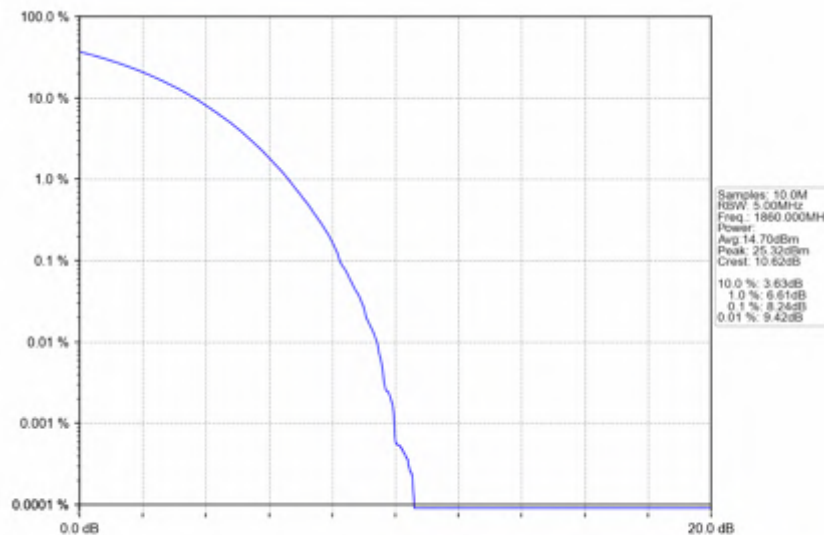
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n25_15kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_1905MHz_Outer_Full



n25_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_1860MHz_Outer_Full

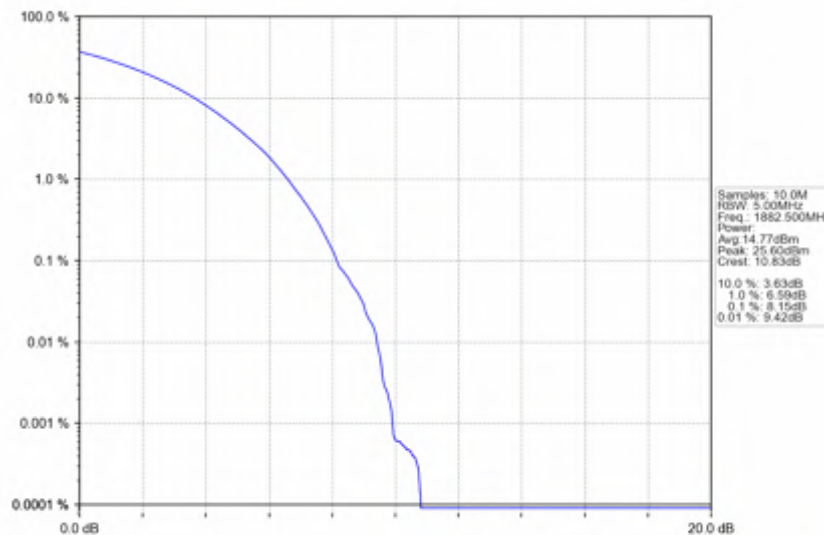


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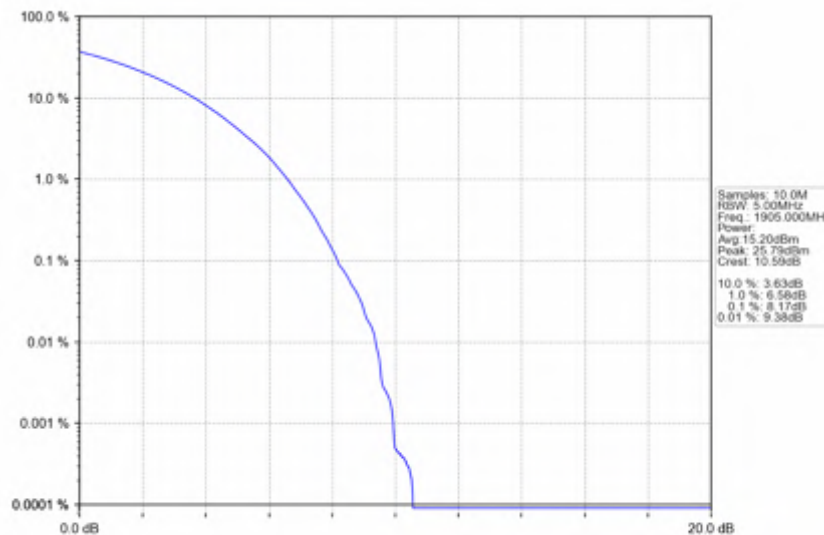
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n25_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_1882.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_1905MHz_Outer_Full



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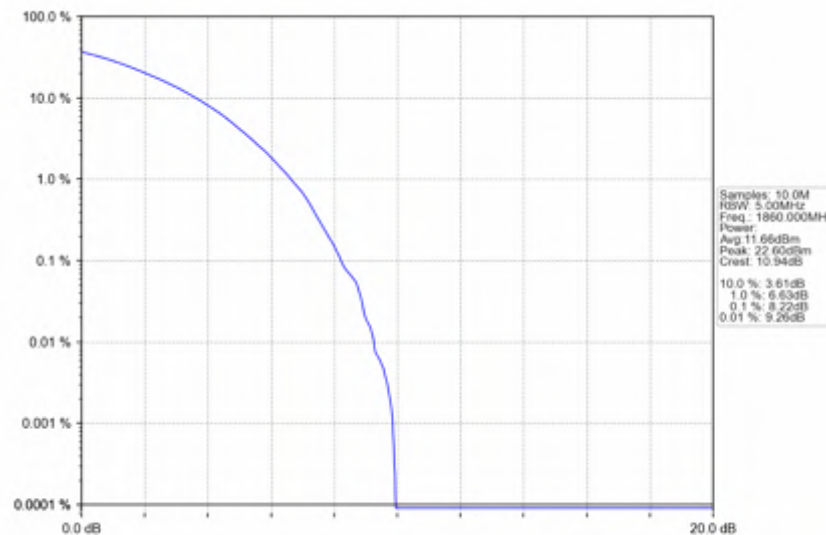
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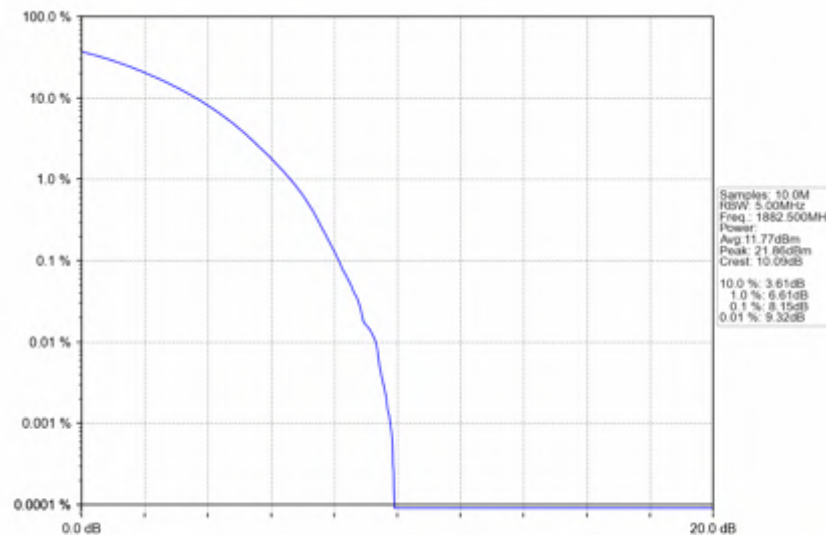
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n25_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_1860MHz_Outer_Full



n25_15kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_1882.5MHz_Outer_Full

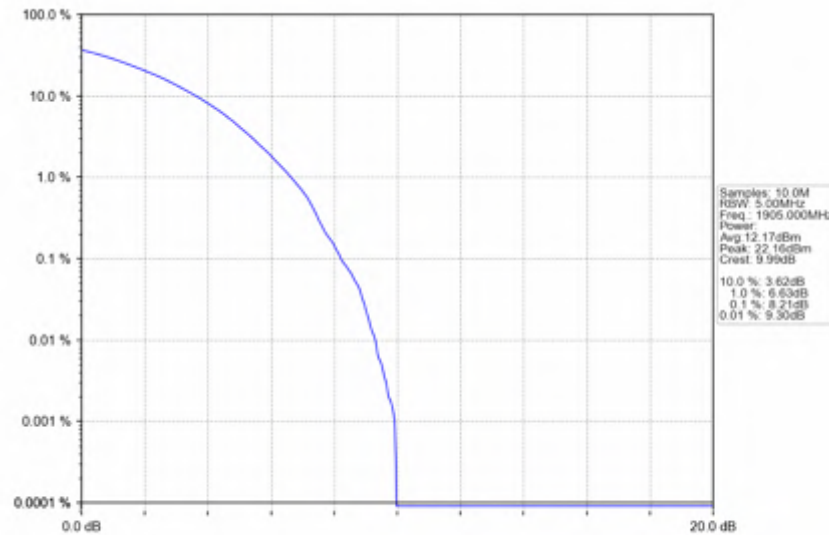


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n25_15kHz_SISO_NTNV_20MHz_CP-OFDM_256 QAM_1905MHz_Outer_Full



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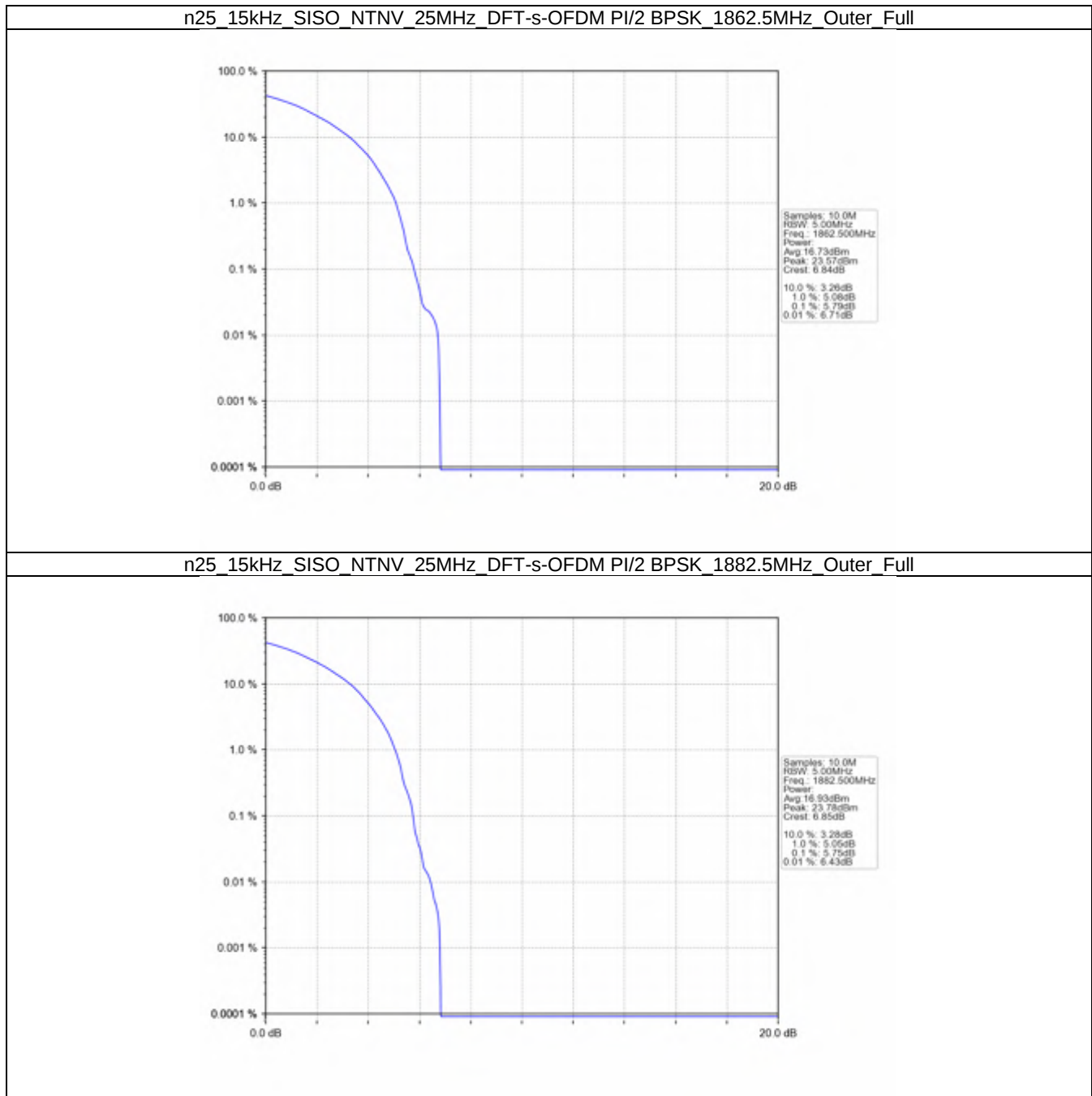
4.5 15k_SISO_25MHz_NTNV

4.5.1 Test Result

5G NR n25 SCS=15kHz SISO 25MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1862.5	Outer_Full	5.79	/	/	<=13	Pass
	1882.5	Outer_Full	5.75	/	/	<=13	Pass
	1902.5	Outer_Full	5.81	/	/	<=13	Pass
DFT-s-OFDM QPSK	1862.5	Outer_Full	7.13	/	/	<=13	Pass
	1882.5	Outer_Full	7.13	/	/	<=13	Pass
	1902.5	Outer_Full	7.09	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1862.5	Outer_Full	7.53	/	/	<=13	Pass
	1882.5	Outer_Full	7.52	/	/	<=13	Pass
	1902.5	Outer_Full	7.46	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1862.5	Outer_Full	7.72	/	/	<=13	Pass
	1882.5	Outer_Full	7.61	/	/	<=13	Pass
	1902.5	Outer_Full	7.60	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1862.5	Outer_Full	7.61	/	/	<=13	Pass
	1882.5	Outer_Full	7.60	/	/	<=13	Pass
	1902.5	Outer_Full	7.67	/	/	<=13	Pass
CP-OFDM QPSK	1862.5	Outer_Full	8.34	/	/	<=13	Pass
	1882.5	Outer_Full	8.25	/	/	<=13	Pass
	1902.5	Outer_Full	8.19	/	/	<=13	Pass
CP-OFDM 16 QAM	1862.5	Outer_Full	8.35	/	/	<=13	Pass
	1882.5	Outer_Full	8.40	/	/	<=13	Pass
	1902.5	Outer_Full	8.19	/	/	<=13	Pass
CP-OFDM 64 QAM	1862.5	Outer_Full	8.29	/	/	<=13	Pass
	1882.5	Outer_Full	8.24	/	/	<=13	Pass
	1902.5	Outer_Full	8.30	/	/	<=13	Pass
CP-OFDM 256 QAM	1862.5	Outer_Full	8.77	/	/	<=13	Pass
	1882.5	Outer_Full	8.63	/	/	<=13	Pass
	1902.5	Outer_Full	8.68	/	/	<=13	Pass



4.5.2 Test Graph



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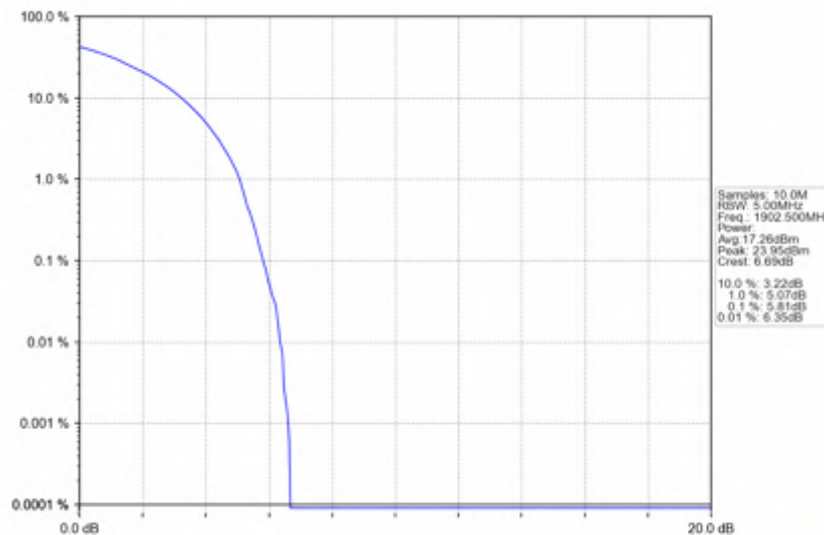
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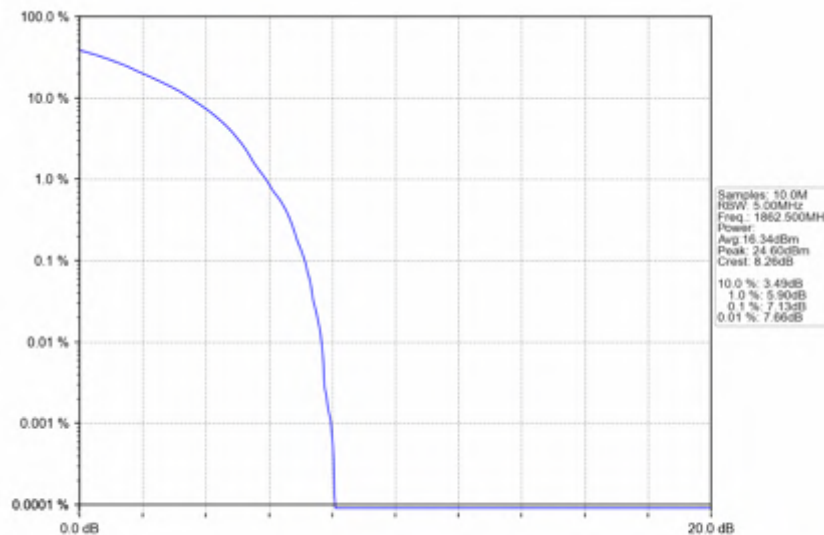
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n25_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_1902.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_1862.5MHz_Outer_Full



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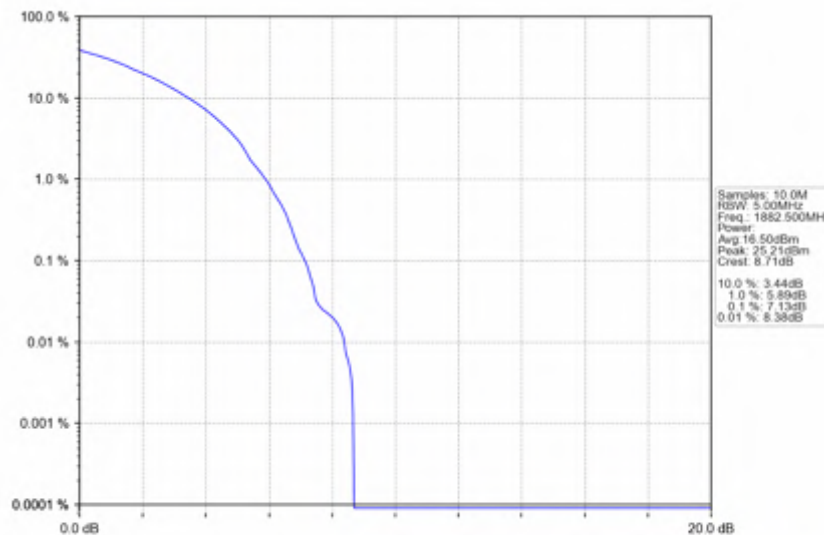
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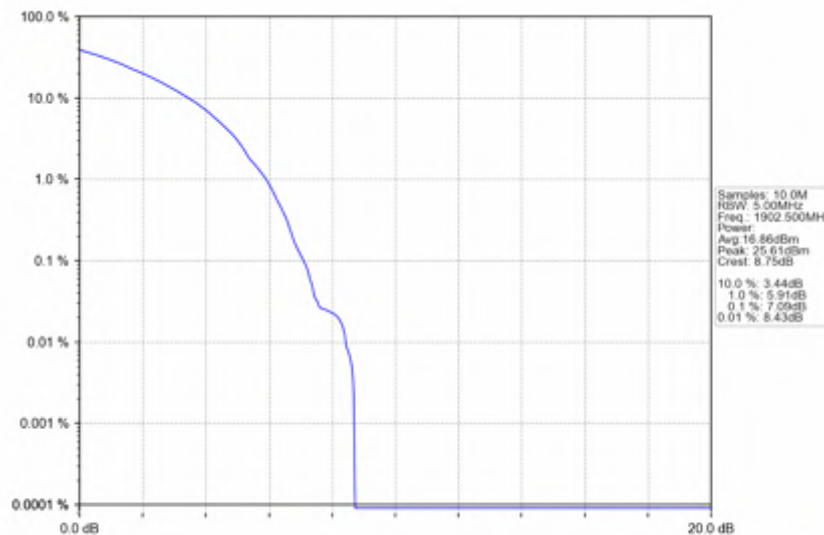
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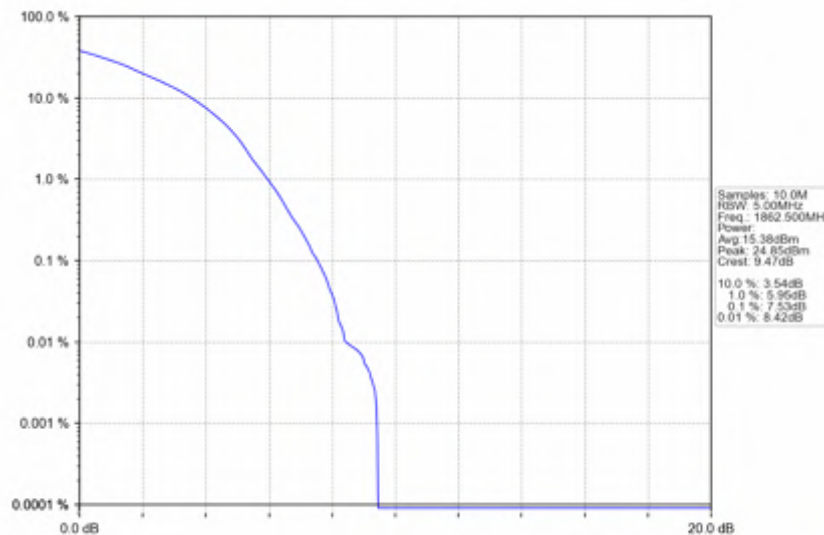


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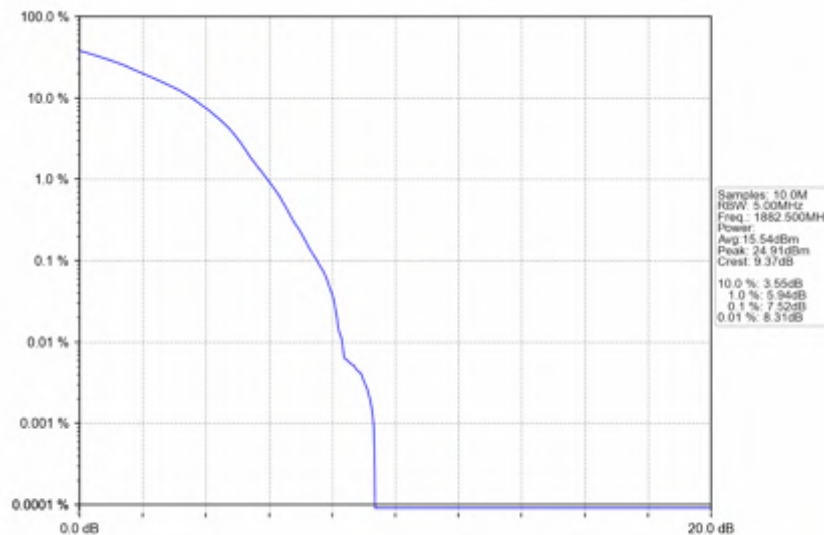
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n25_15kHz_SISO_NTV_25MHz_DFT-s-OFDM_16_QAM_1882.5MHz_Outer_Full

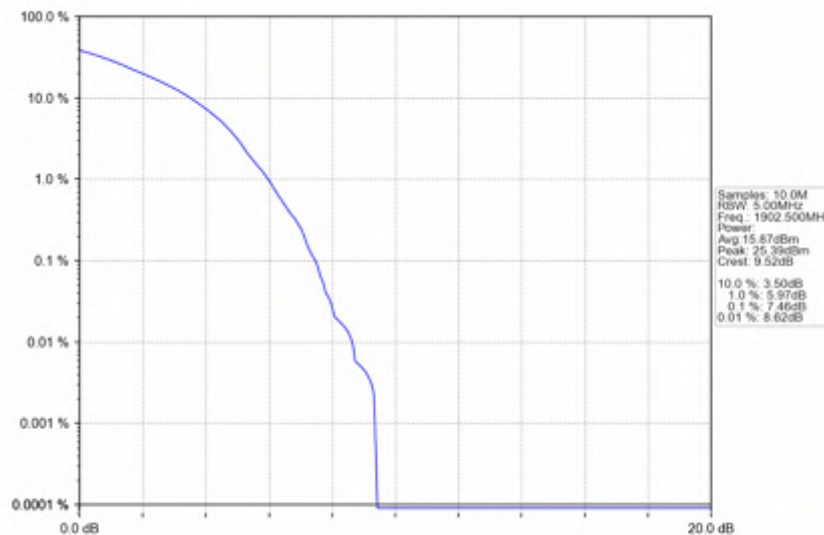


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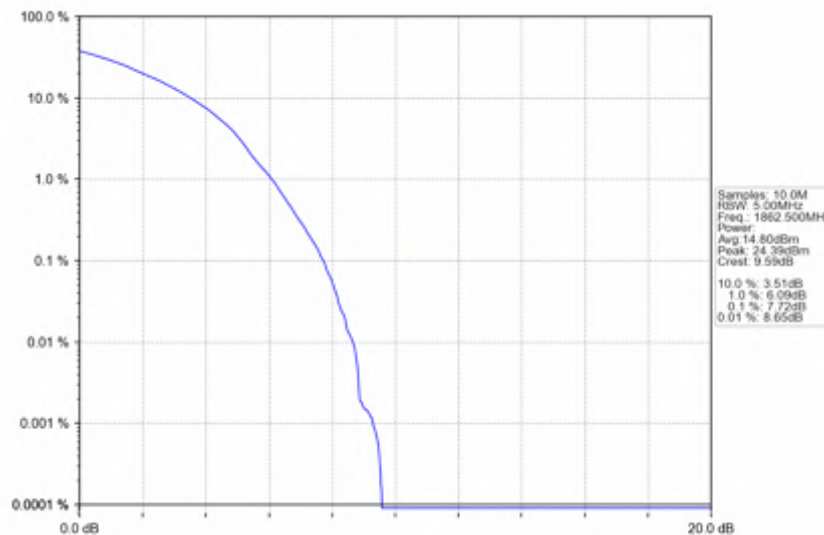
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n25_15kHz_SISO_NTV_25MHz_DFT-s-OFDM 16 QAM_1902.5MHz_Outer_Full



n25_15kHz_SISO_NTV_25MHz_DFT-s-OFDM 64 QAM_1862.5MHz_Outer_Full

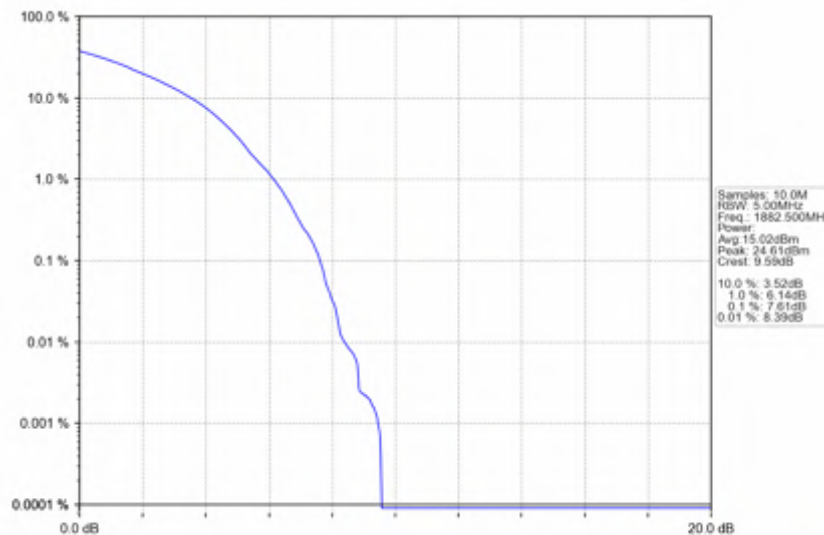


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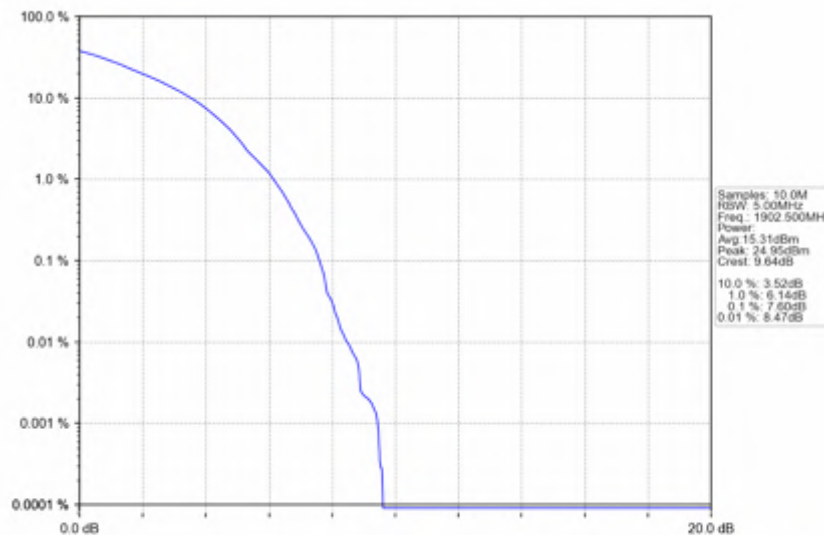
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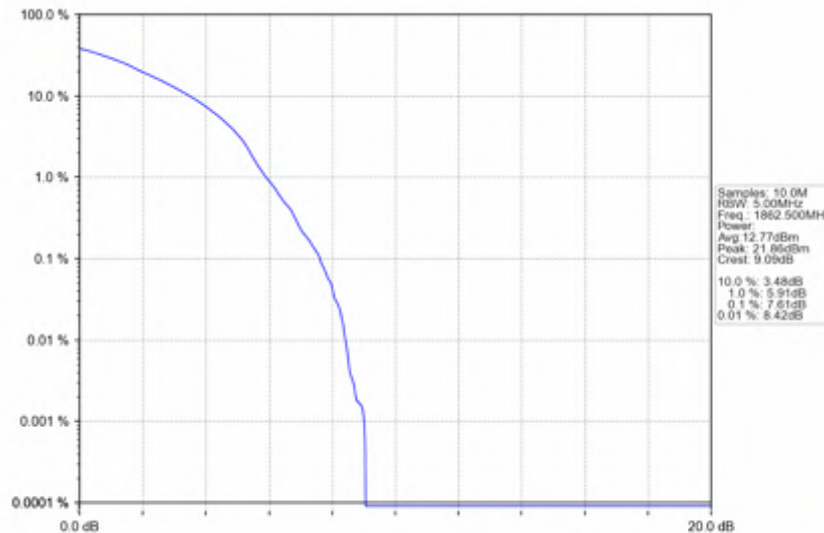


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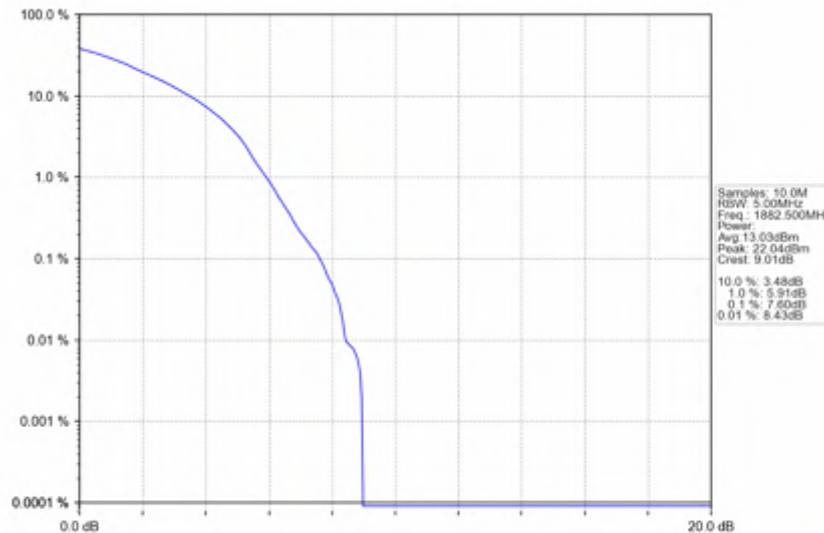
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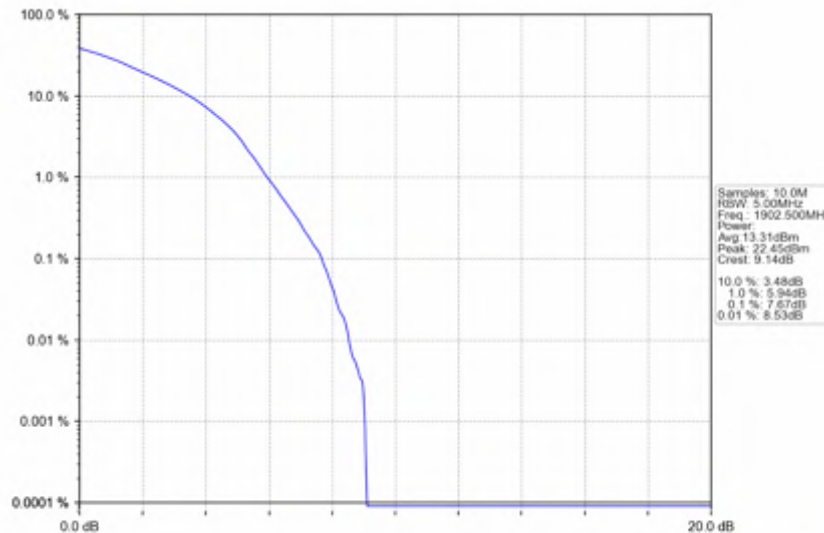


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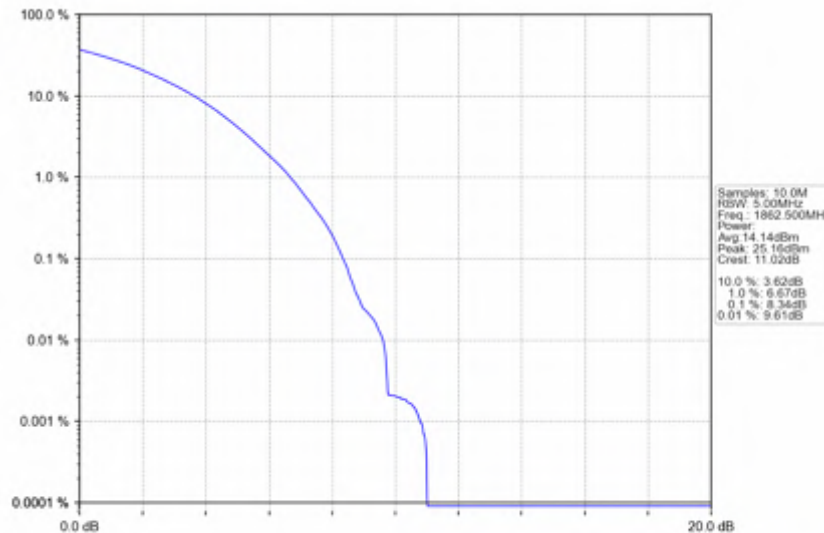
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n25_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_256_QAM_1902.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_25MHz_CP-OFDM_QPSK_1862.5MHz_Outer_Full



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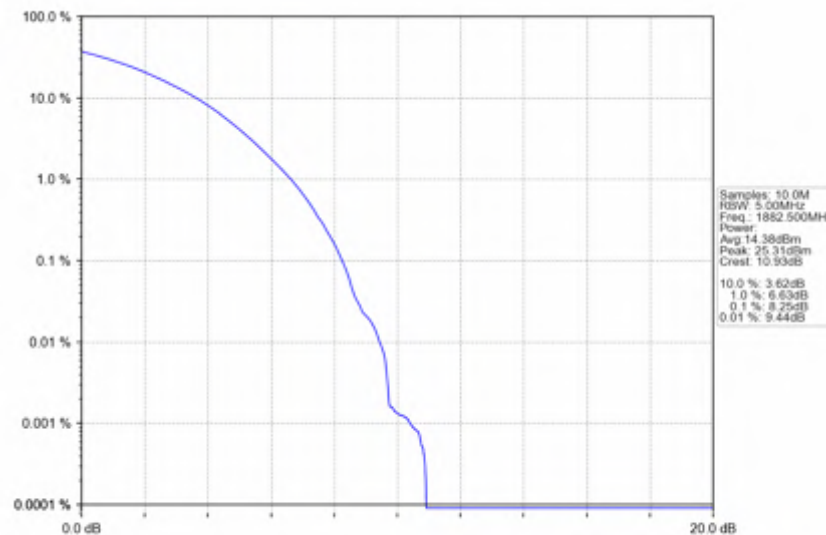
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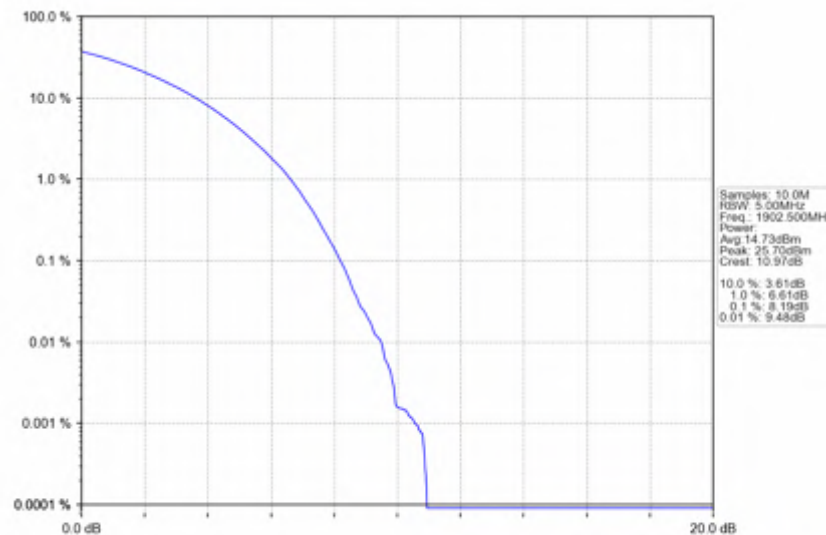
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n25_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_1882.5MHz_Outer_Full



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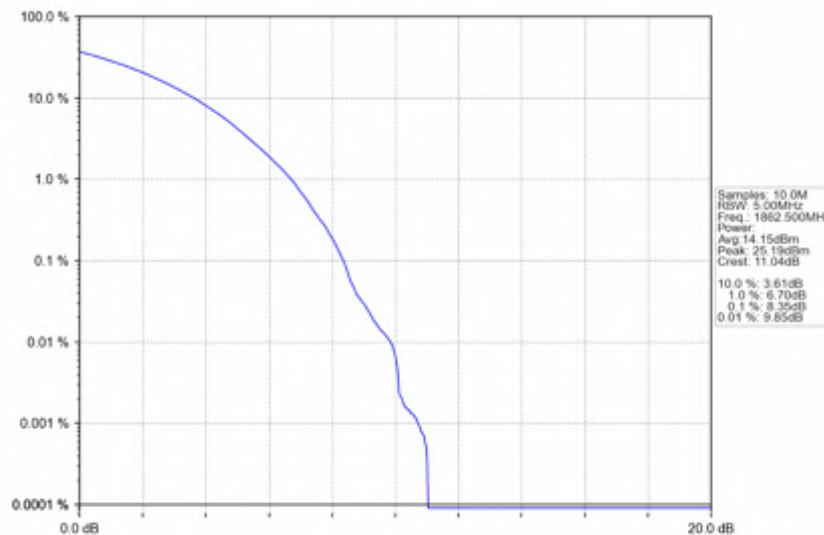
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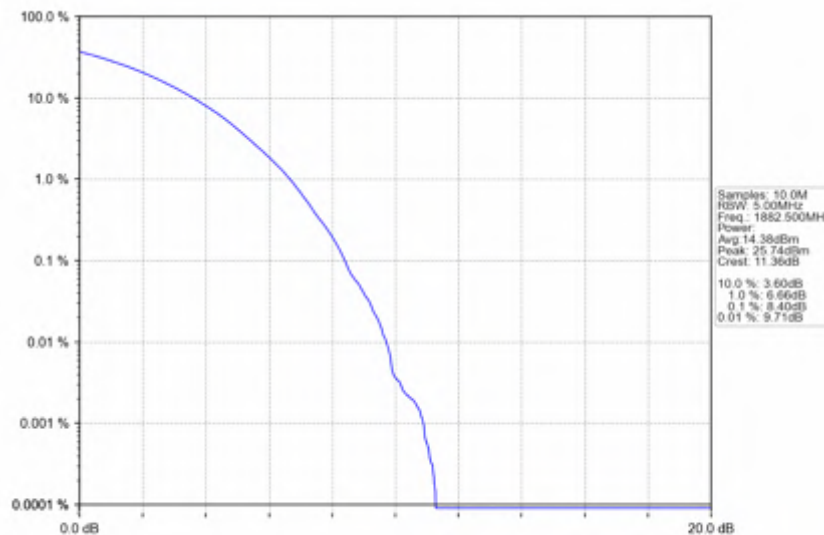
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n25_15kHz_SISO_NTNV_25MHz_CP-OFDM_16_QAM_1862.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_25MHz_CP-OFDM_16_QAM_1882.5MHz_Outer_Full



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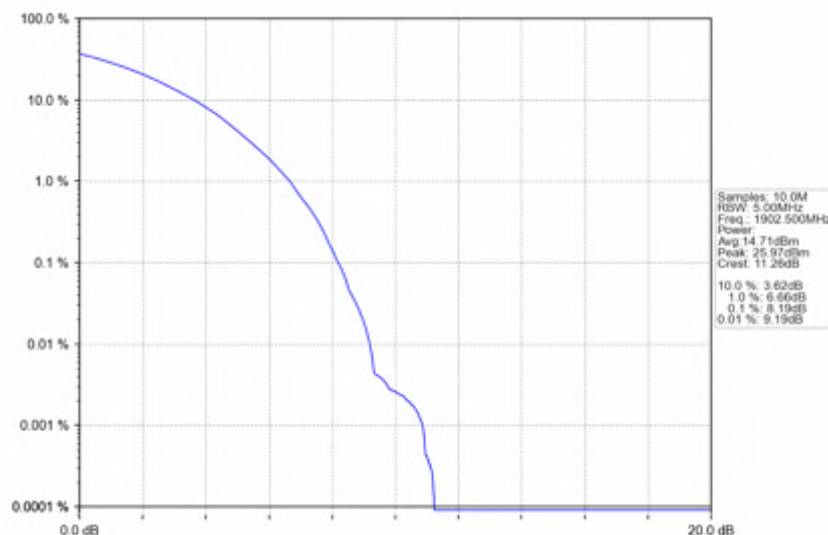
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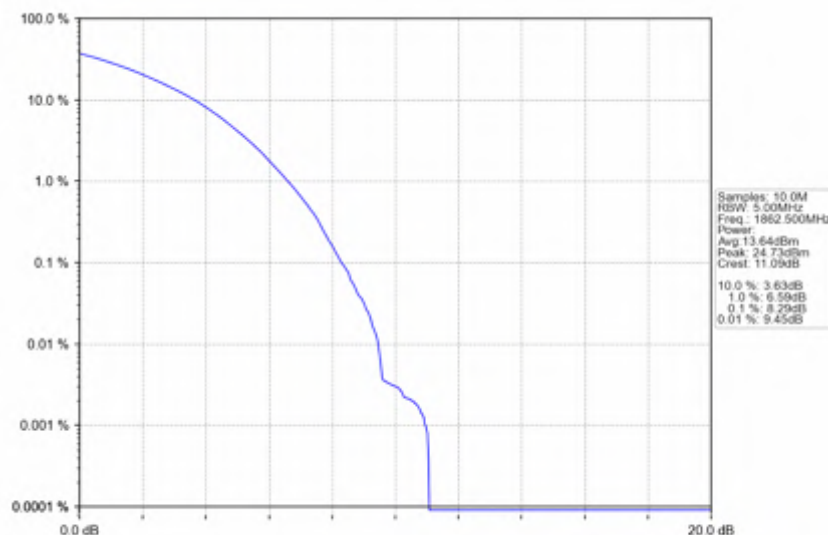
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n25	15kHz	SISO	NTNV	25MHz	CP-OFDM	16 QAM	1902.5MHz	Outer	Full
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n25	15kHz	SISO	NTNV	25MHz	CP-OFDM	64 QAM	1862.5MHz	Outer	Full
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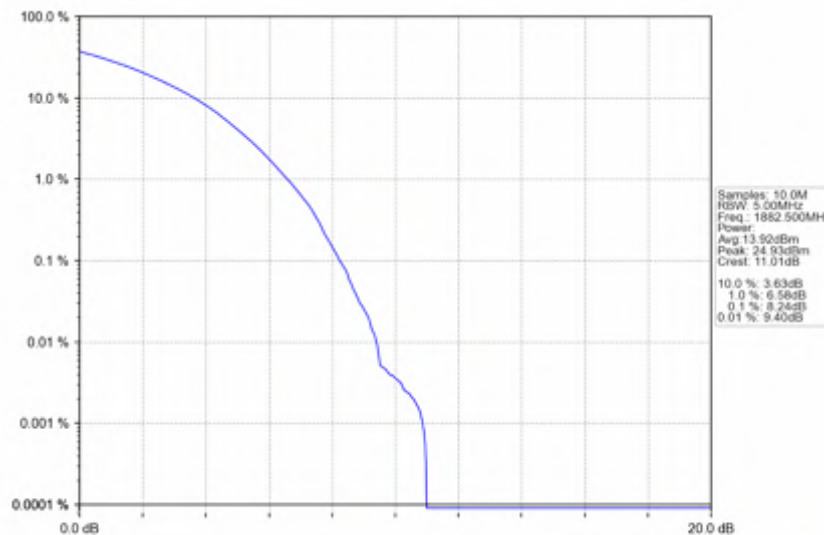


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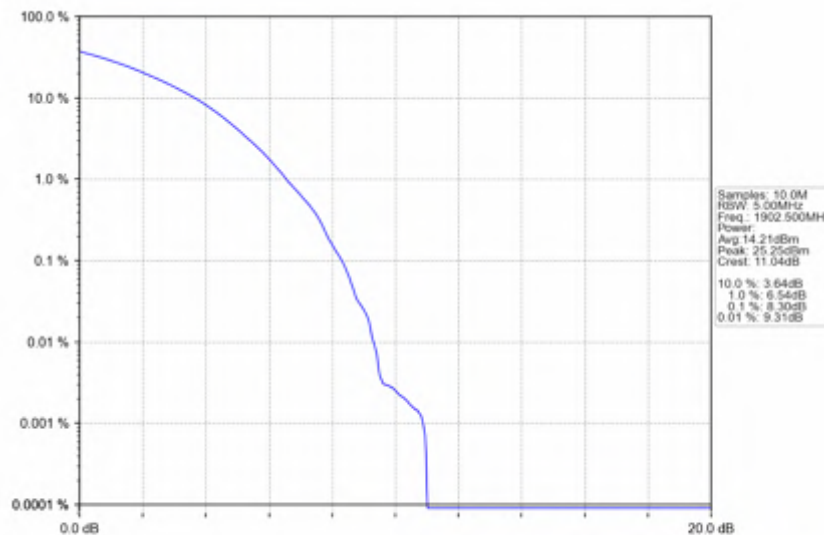
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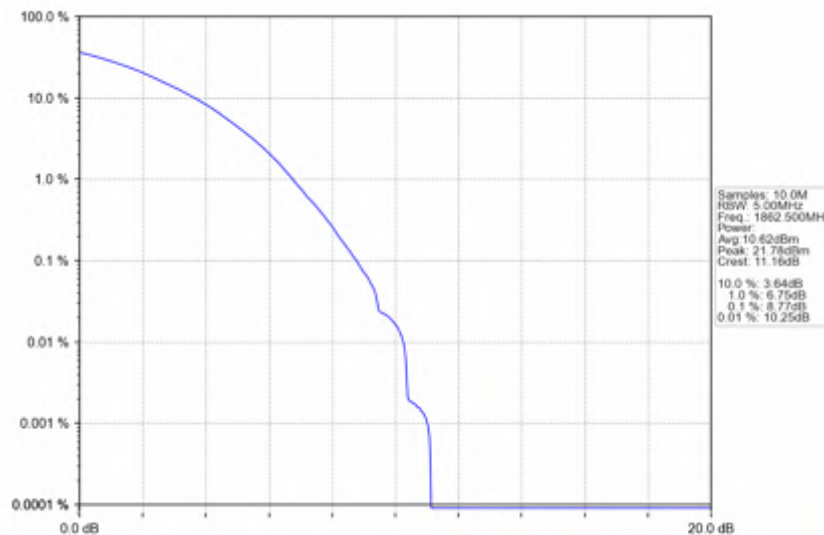


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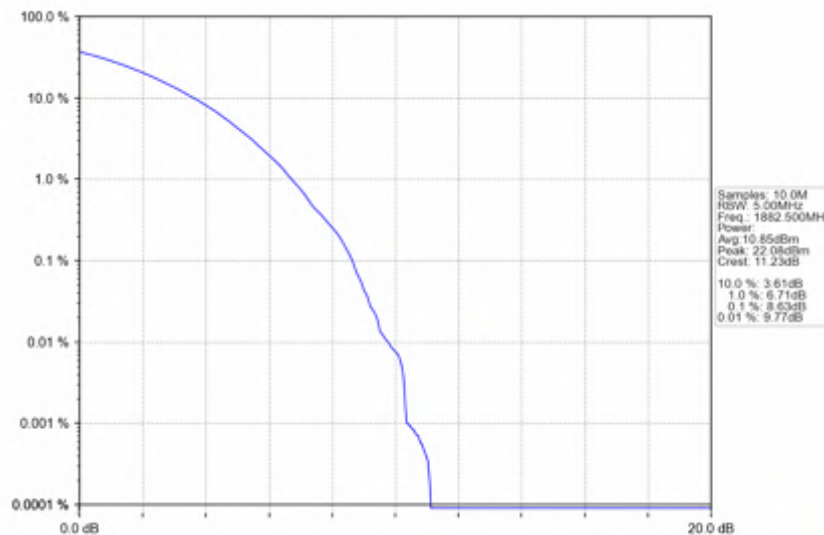
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n25_15kHz_SISO_NTNV_25MHz_CP-OFDM_256_QAM_1882.5MHz_Outer_Full

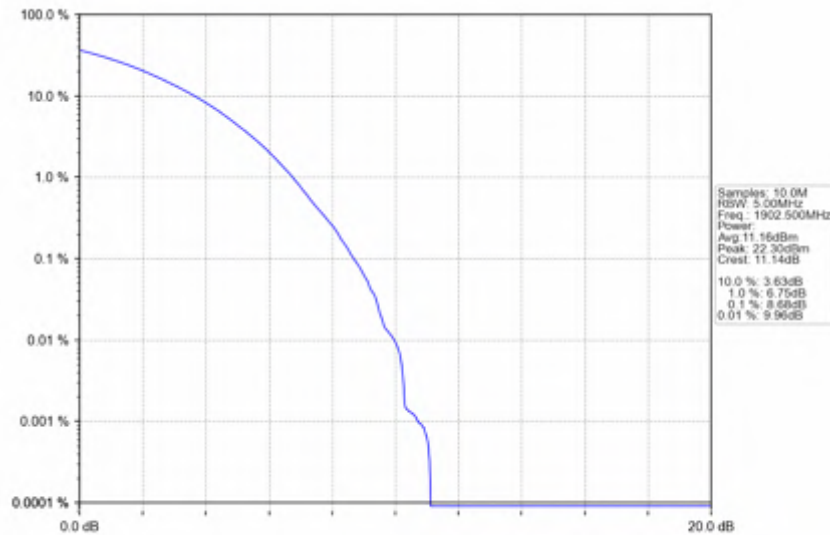


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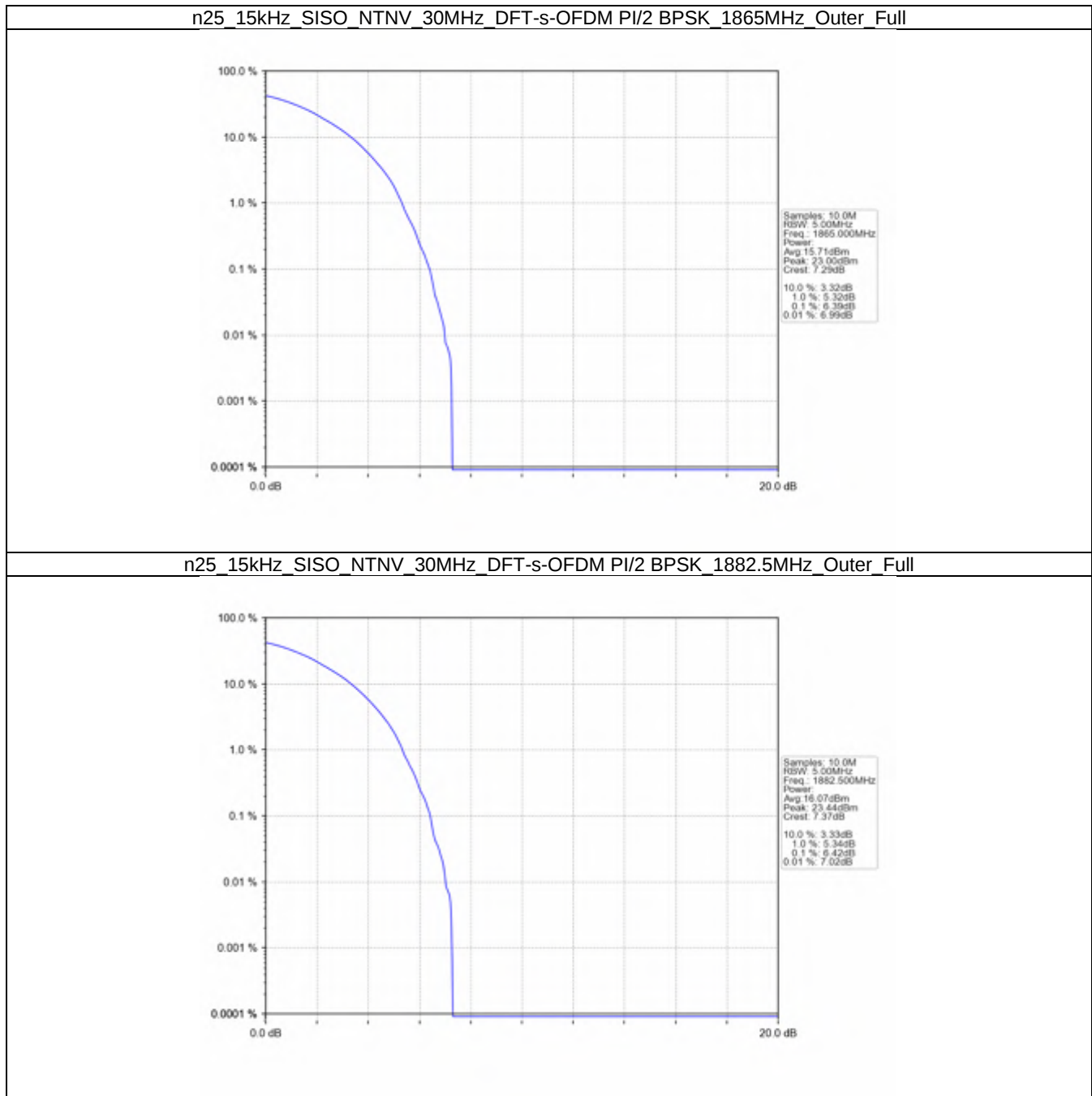
4.6 15k_SISO_30MHz_NTNV

4.6.1 Test Result

5G NR n25 SCS=15kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1865	Outer_Full	6.39	/	/	<=13	Pass
	1882.5	Outer_Full	6.42	/	/	<=13	Pass
	1900	Outer_Full	6.24	/	/	<=13	Pass
DFT-s-OFDM QPSK	1865	Outer_Full	7.31	/	/	<=13	Pass
	1882.5	Outer_Full	7.19	/	/	<=13	Pass
	1900	Outer_Full	7.22	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1865	Outer_Full	7.64	/	/	<=13	Pass
	1882.5	Outer_Full	7.51	/	/	<=13	Pass
	1900	Outer_Full	7.58	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1865	Outer_Full	7.88	/	/	<=13	Pass
	1882.5	Outer_Full	7.84	/	/	<=13	Pass
	1900	Outer_Full	7.81	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1865	Outer_Full	7.77	/	/	<=13	Pass
	1882.5	Outer_Full	7.88	/	/	<=13	Pass
	1900	Outer_Full	7.87	/	/	<=13	Pass
CP-OFDM QPSK	1865	Outer_Full	8.61	/	/	<=13	Pass
	1882.5	Outer_Full	8.44	/	/	<=13	Pass
	1900	Outer_Full	8.39	/	/	<=13	Pass
CP-OFDM 16 QAM	1865	Outer_Full	8.30	/	/	<=13	Pass
	1882.5	Outer_Full	8.31	/	/	<=13	Pass
	1900	Outer_Full	8.33	/	/	<=13	Pass
CP-OFDM 64 QAM	1865	Outer_Full	8.49	/	/	<=13	Pass
	1882.5	Outer_Full	8.55	/	/	<=13	Pass
	1900	Outer_Full	8.48	/	/	<=13	Pass
CP-OFDM 256 QAM	1865	Outer_Full	8.27	/	/	<=13	Pass
	1882.5	Outer_Full	8.32	/	/	<=13	Pass
	1900	Outer_Full	8.24	/	/	<=13	Pass



4.6.2 Test Graph



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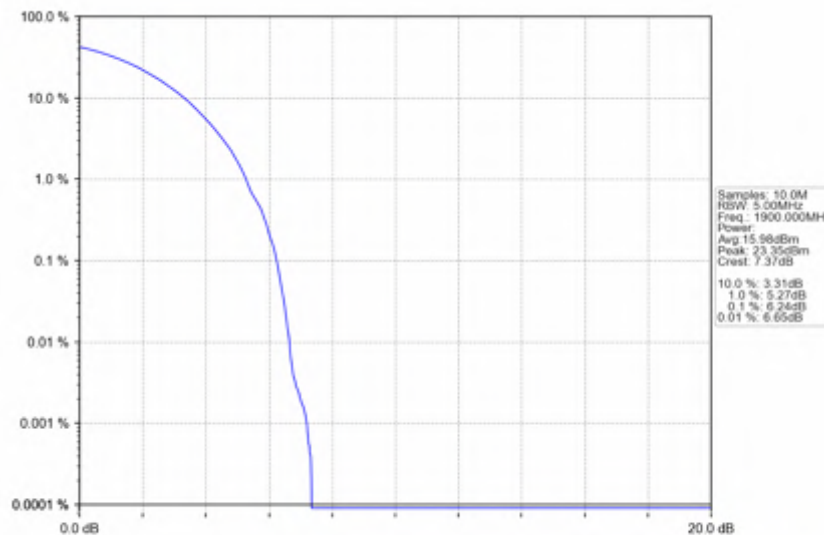
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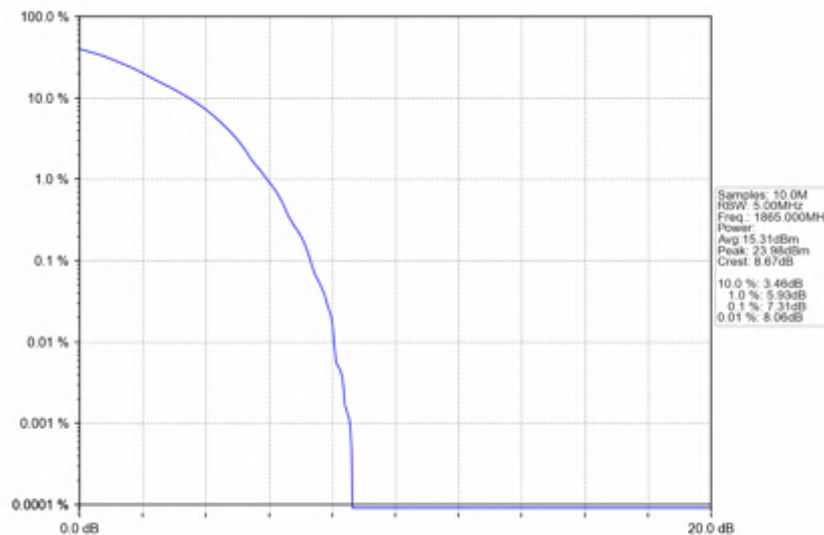
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n25_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_1865MHz_Outer_Full

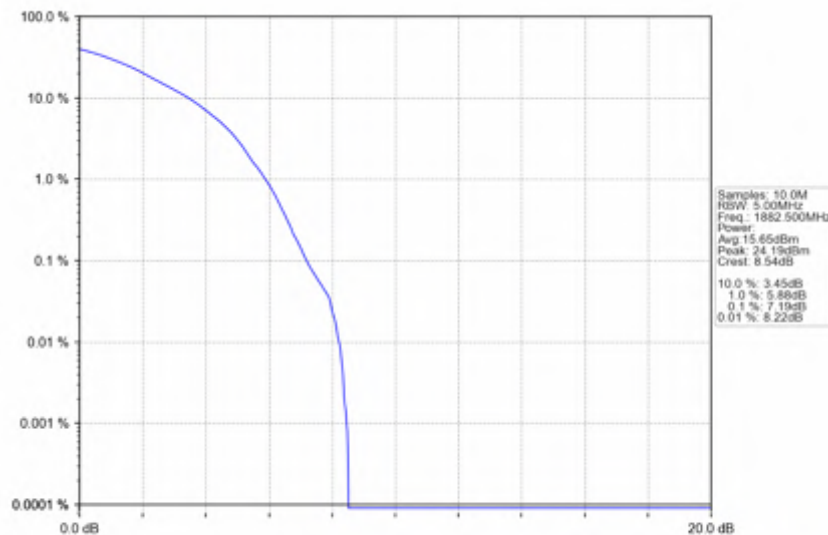


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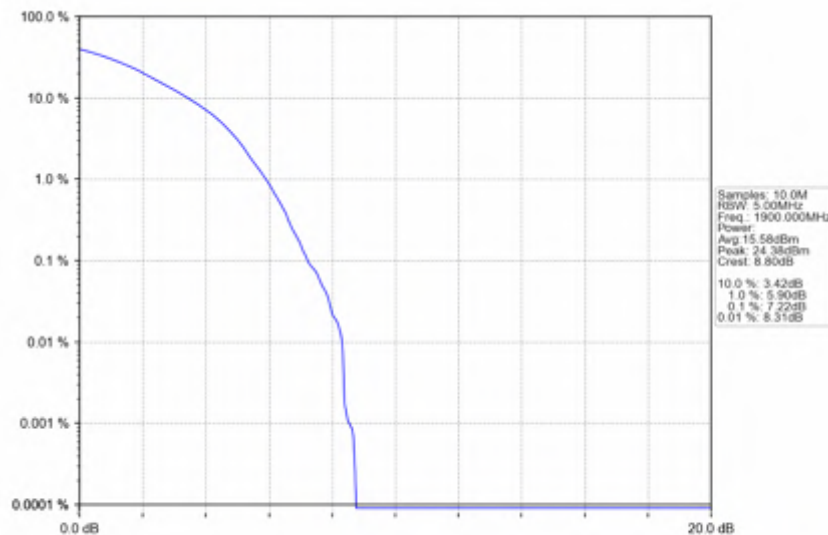
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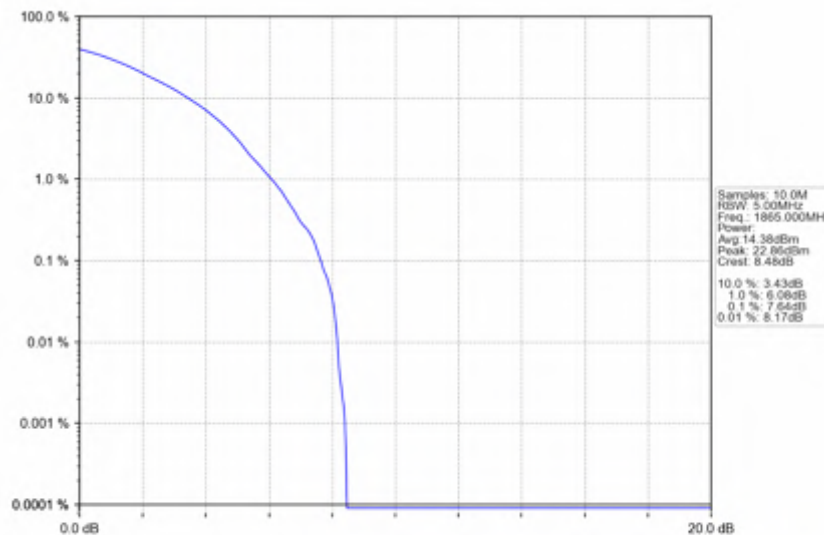
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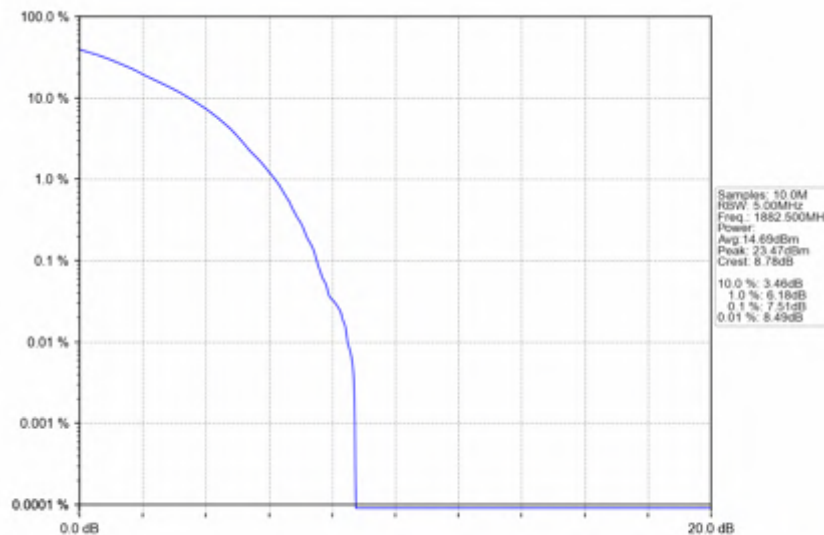
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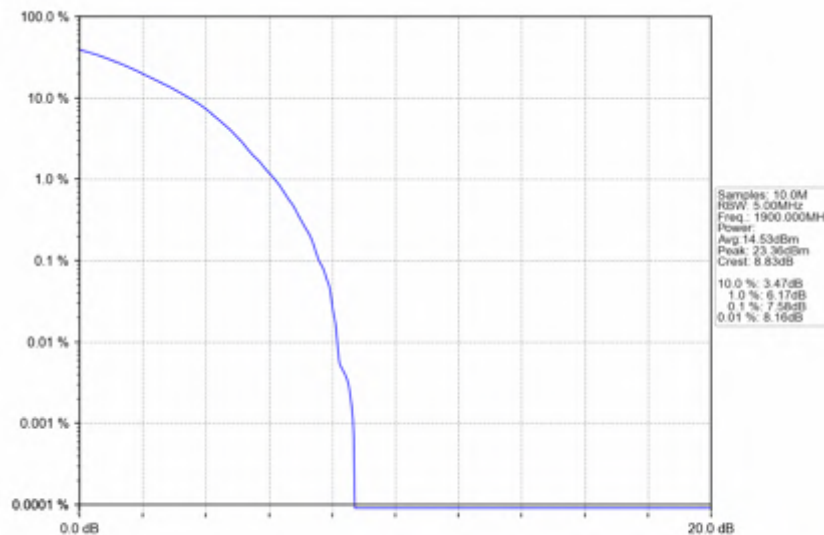


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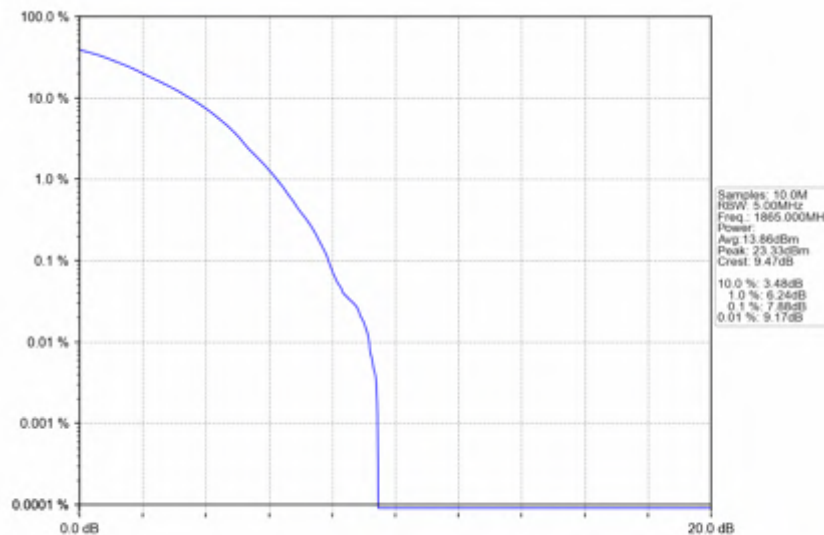
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n25_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_16_QAM_1900MHz_Outer_Full



n25_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_64_QAM_1865MHz_Outer_Full



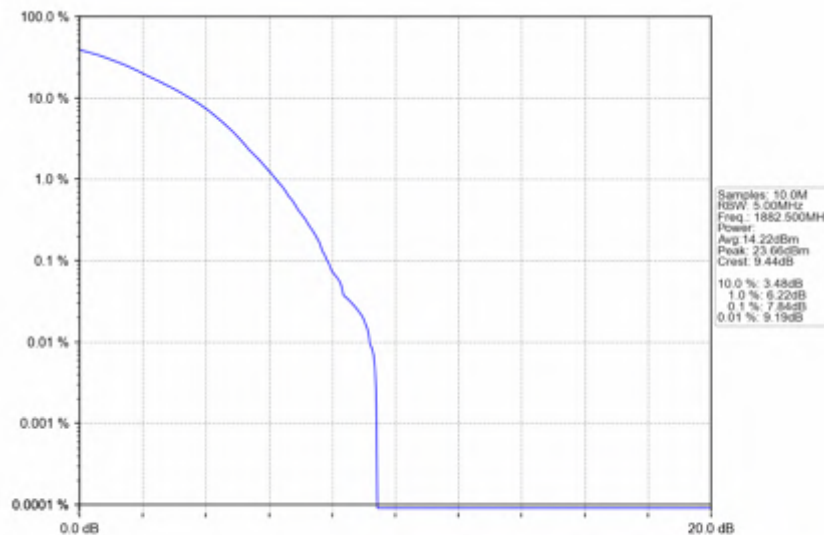
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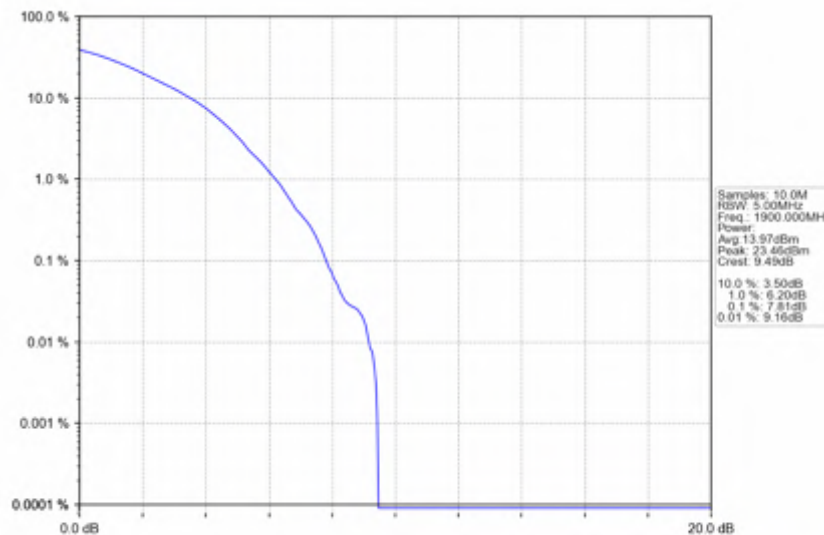
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n25_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_1882.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_1900MHz_Outer_Full



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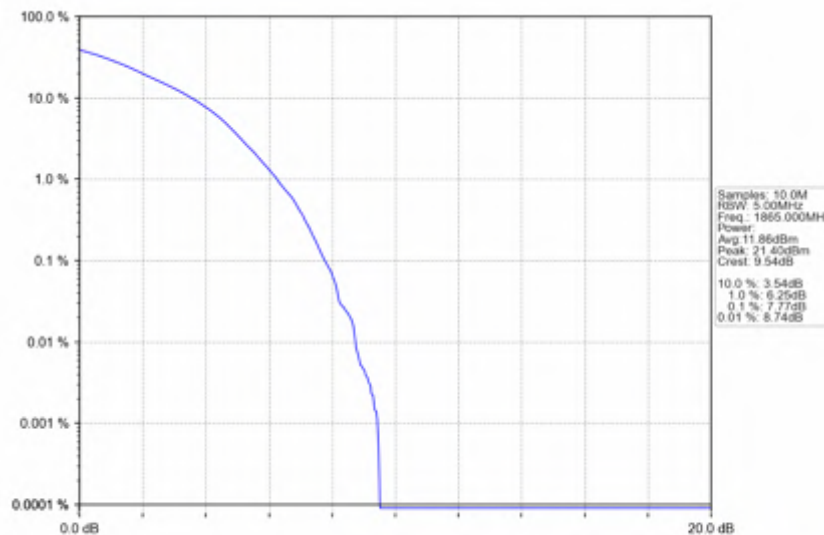
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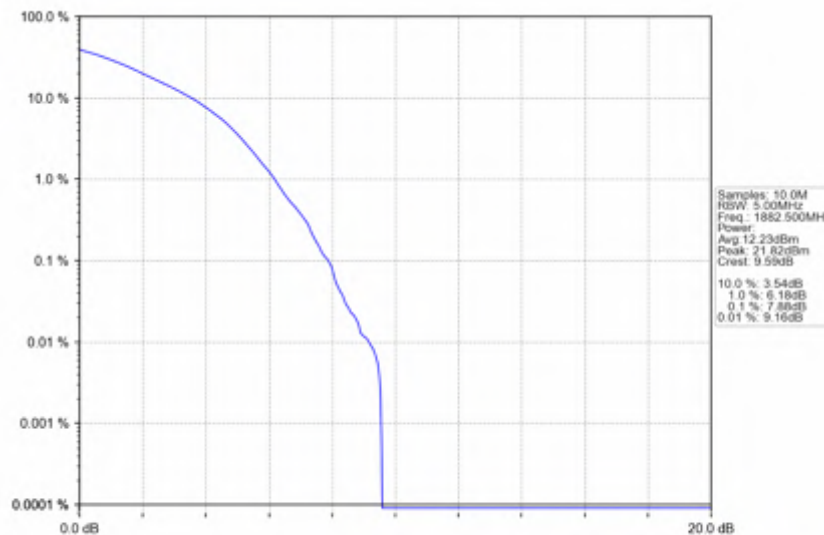
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n25_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_256_QAM_1865MHz_Outer_Full



n25_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_256_QAM_1882.5MHz_Outer_Full

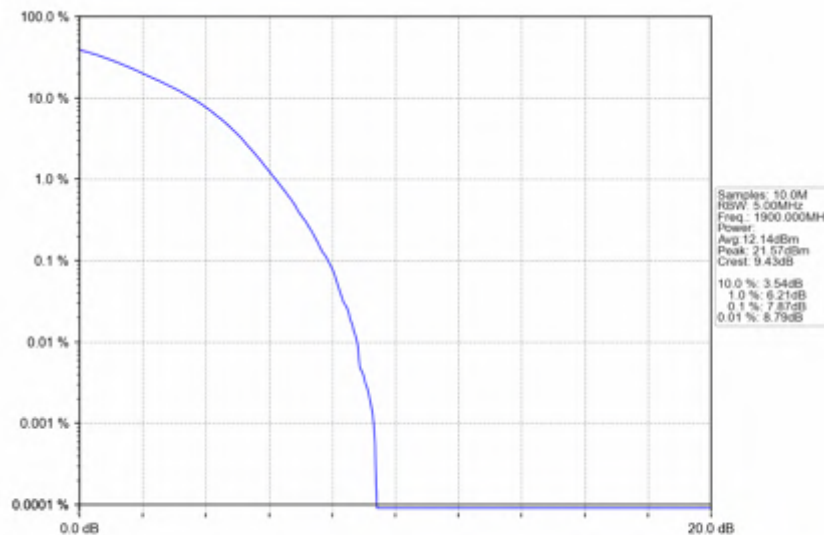


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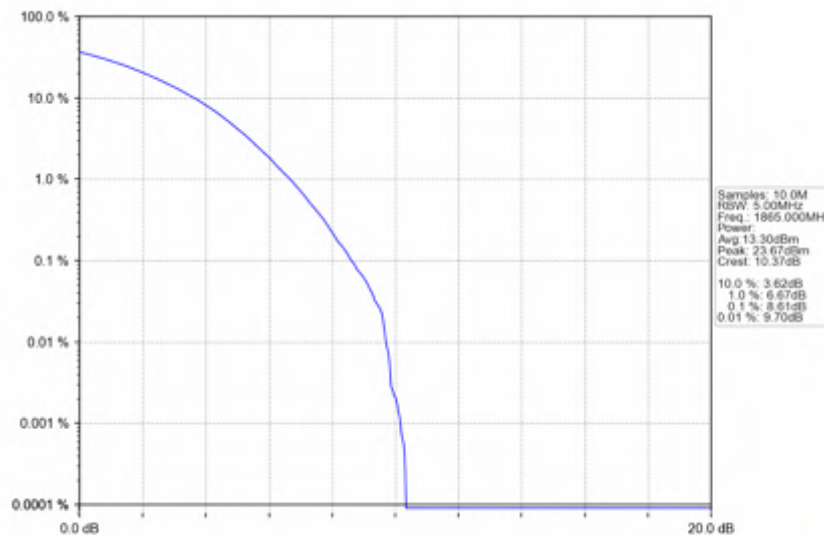
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n25_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_1900MHz_Outer_Full



n25_15kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_1865MHz_Outer_Full



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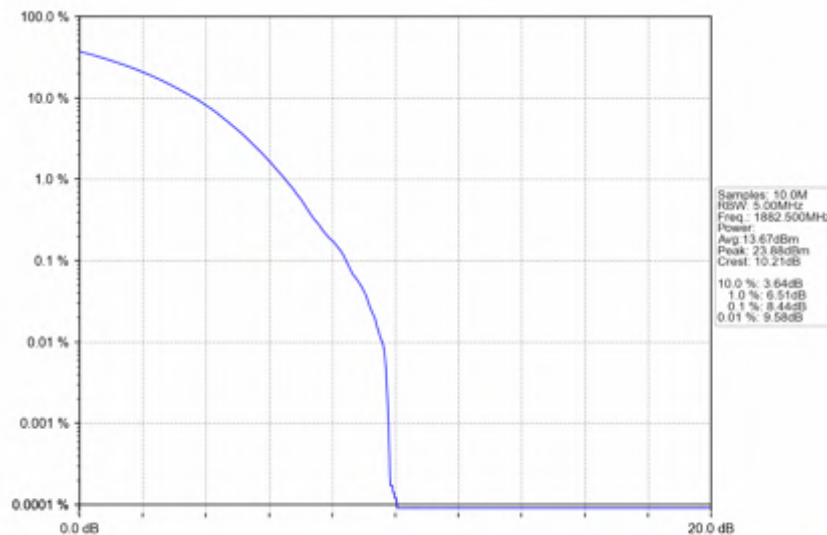
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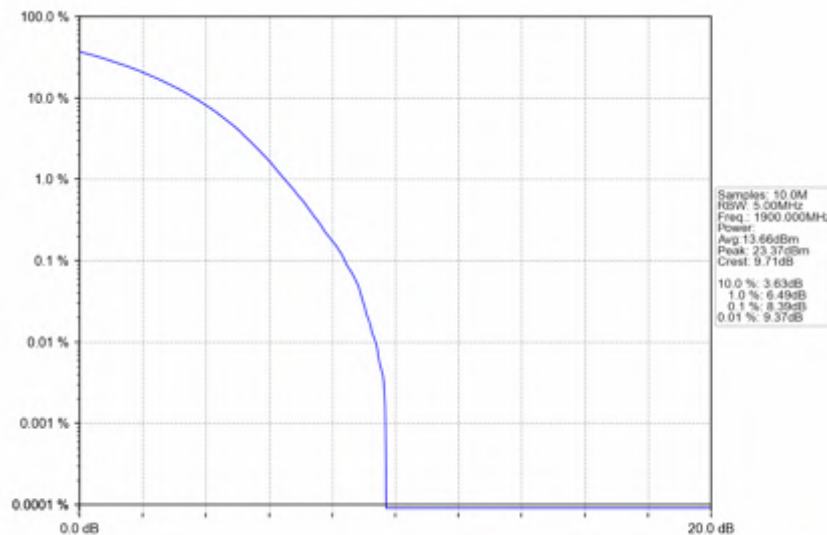
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n25_15kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_1900MHz_Outer_Full



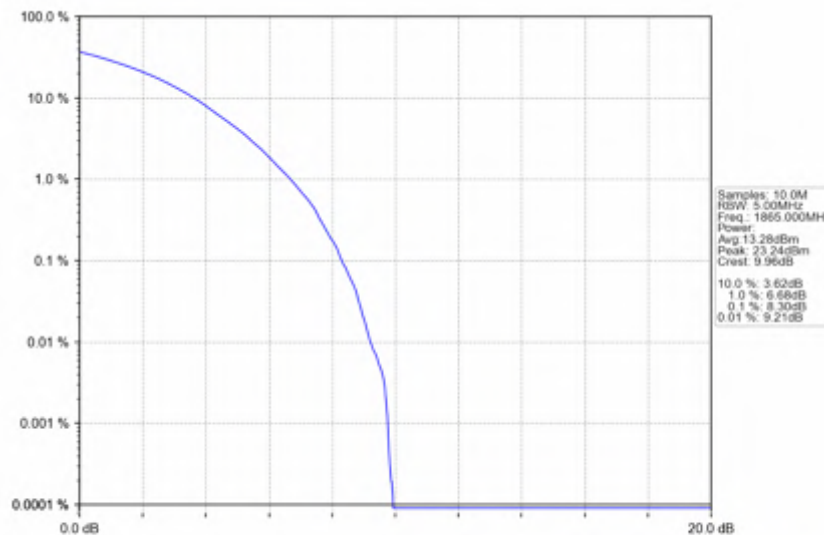
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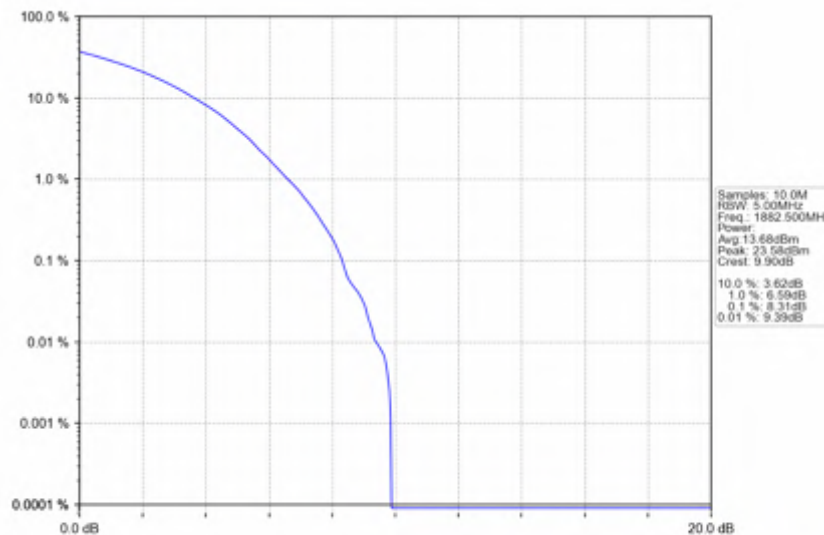
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n25_15kHz_SISO_NTNV_30MHz_CP-OFDM_16_QAM_1865MHz_Outer_Full



n25_15kHz_SISO_NTNV_30MHz_CP-OFDM_16_QAM_1882.5MHz_Outer_Full



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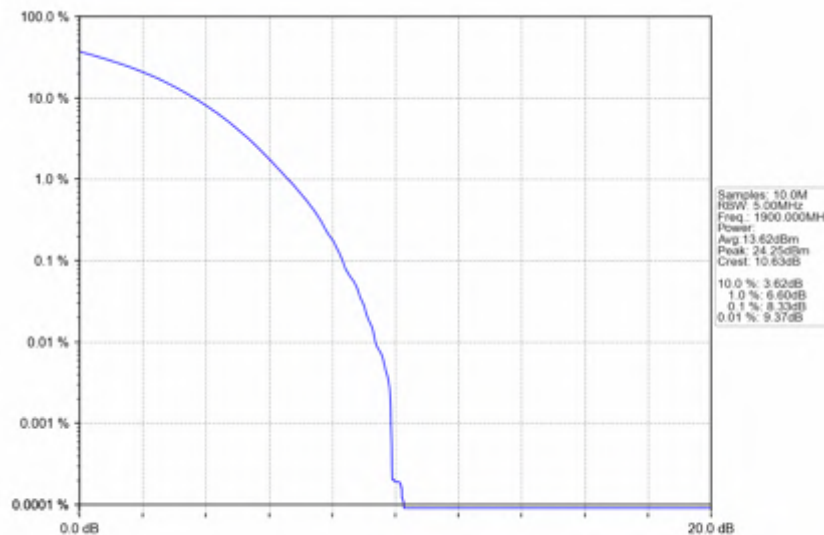
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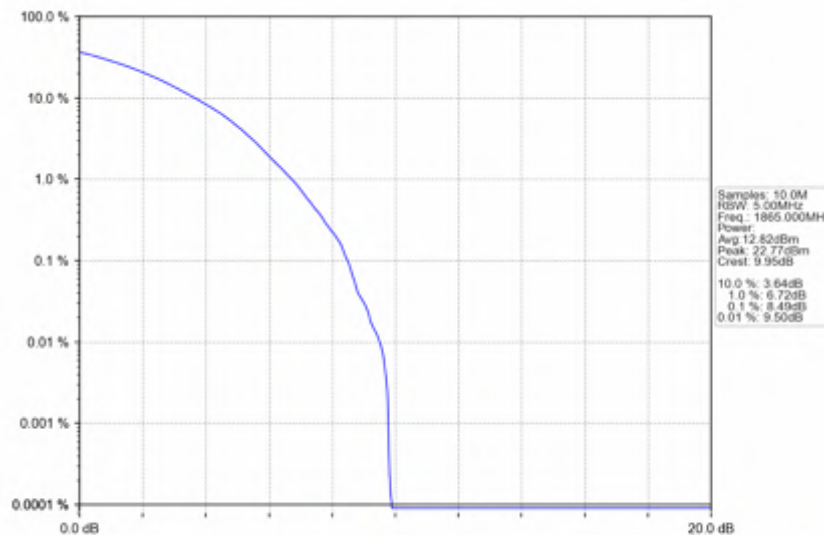
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n25_15kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_1900MHz_Outer_Full



n25_15kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_1865MHz_Outer_Full

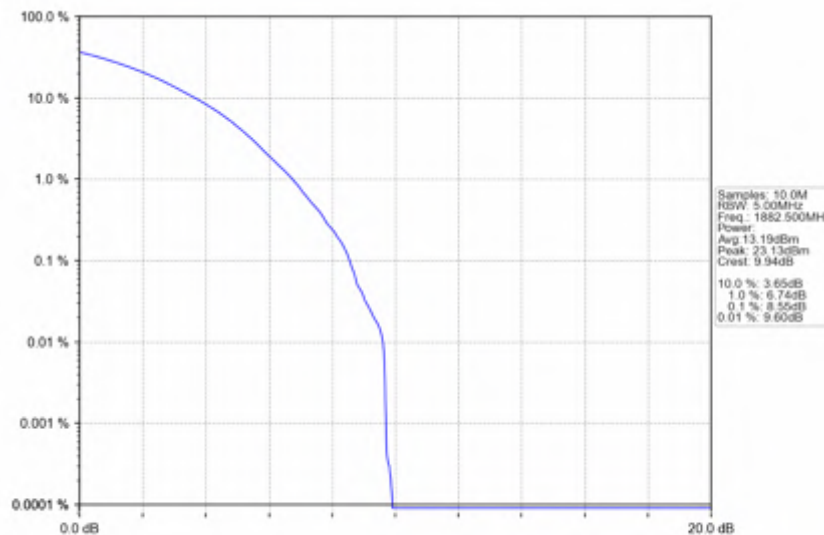


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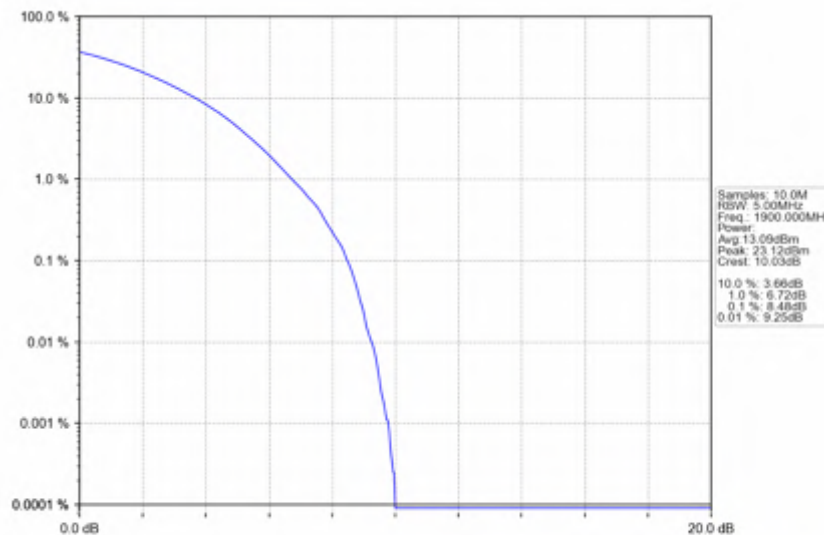
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n25_15kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_1900MHz_Outer_Full

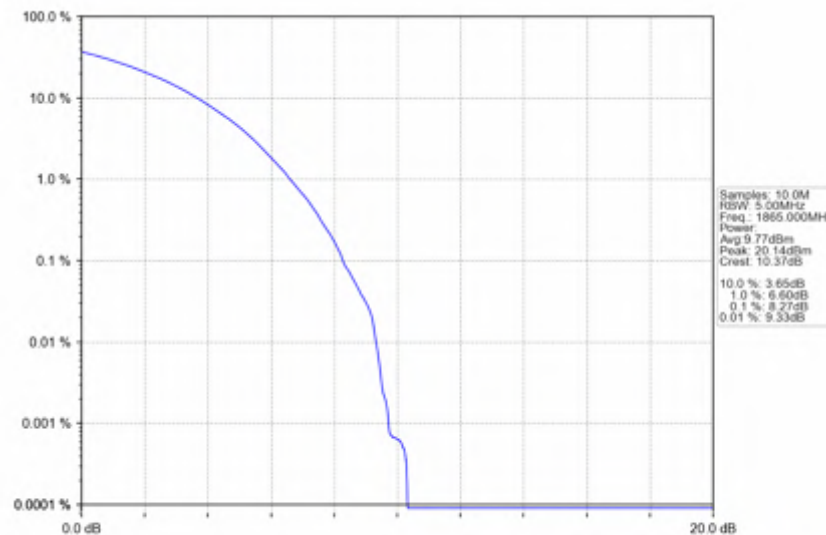


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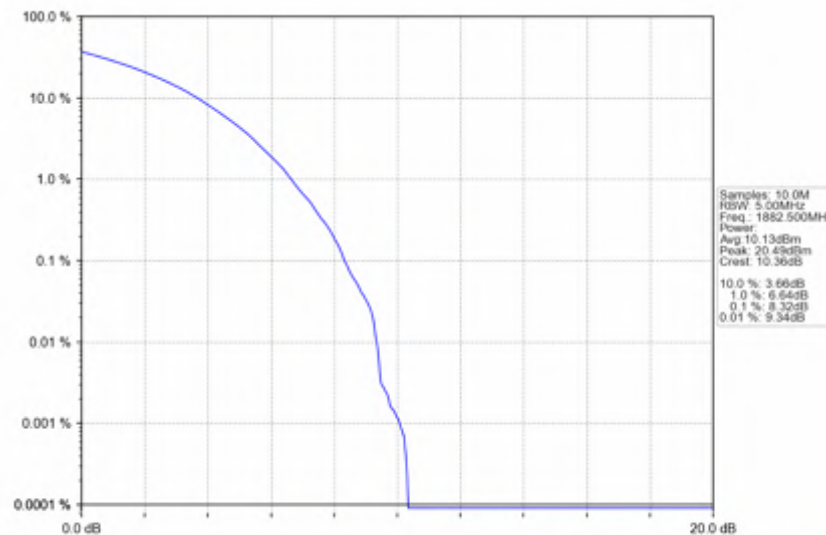
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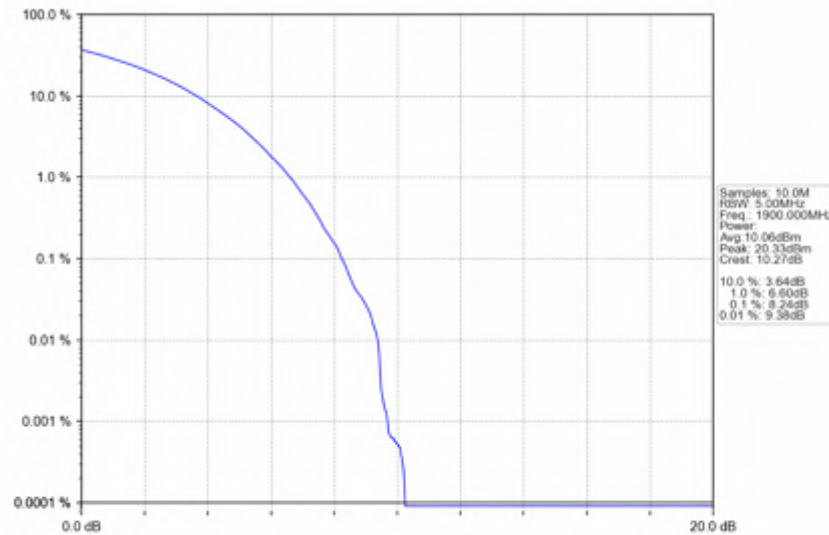
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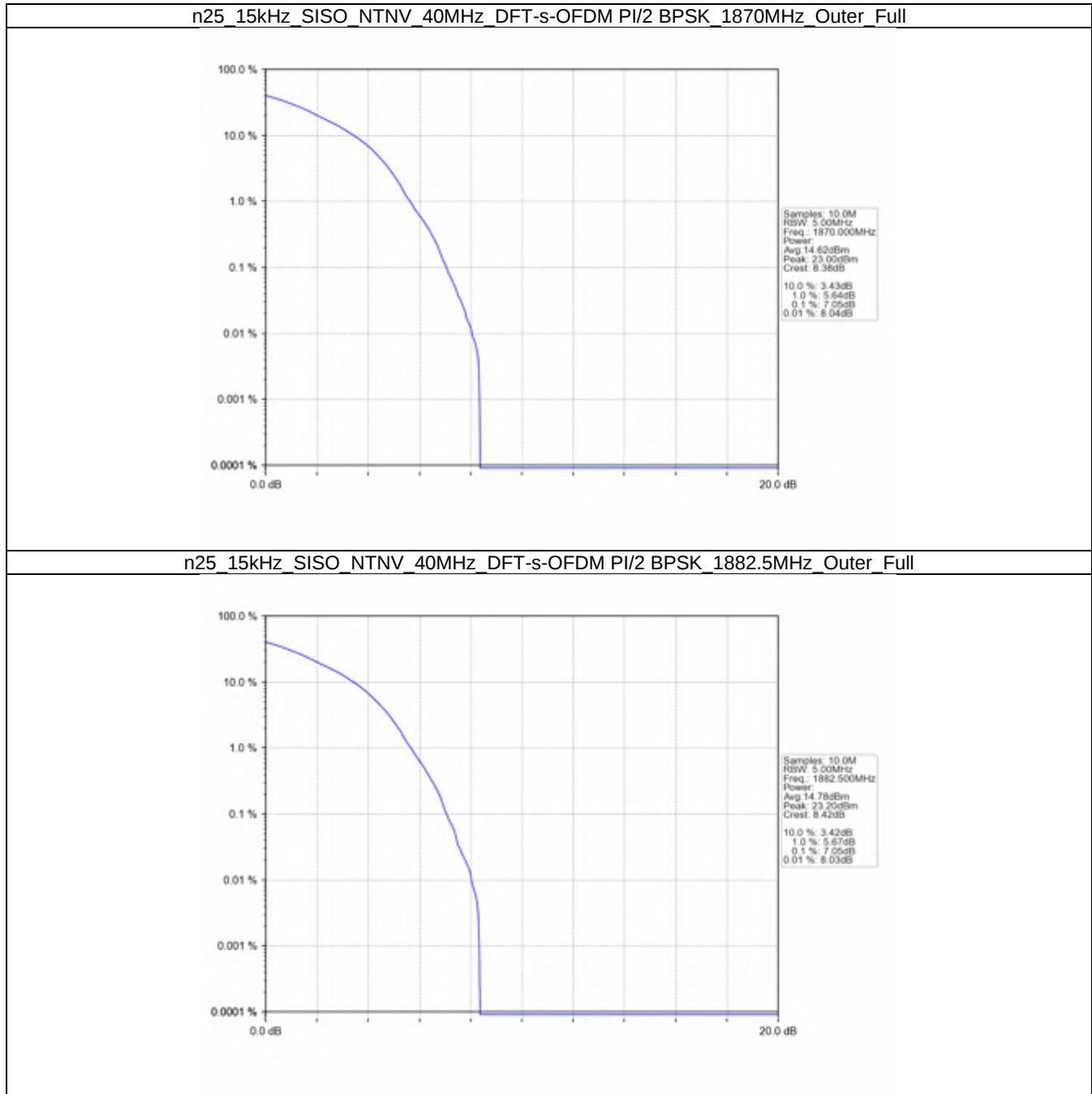
4.7 15k_SISO_40MHz_NTNV

4.7.1 Test Result

5G NR n25 SCS=15kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1870	Outer_Full	7.05	/	/	<=13	Pass
	1882.5	Outer_Full	7.05	/	/	<=13	Pass
	1895	Outer_Full	7.07	/	/	<=13	Pass
DFT-s-OFDM QPSK	1870	Outer_Full	7.58	/	/	<=13	Pass
	1882.5	Outer_Full	7.39	/	/	<=13	Pass
	1895	Outer_Full	7.54	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1870	Outer_Full	7.88	/	/	<=13	Pass
	1882.5	Outer_Full	7.91	/	/	<=13	Pass
	1895	Outer_Full	7.82	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1870	Outer_Full	7.91	/	/	<=13	Pass
	1882.5	Outer_Full	7.78	/	/	<=13	Pass
	1895	Outer_Full	7.77	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1870	Outer_Full	7.75	/	/	<=13	Pass
	1882.5	Outer_Full	7.86	/	/	<=13	Pass
	1895	Outer_Full	7.74	/	/	<=13	Pass
CP-OFDM QPSK	1870	Outer_Full	8.58	/	/	<=13	Pass
	1882.5	Outer_Full	8.23	/	/	<=13	Pass
	1895	Outer_Full	8.25	/	/	<=13	Pass
CP-OFDM 16 QAM	1870	Outer_Full	8.47	/	/	<=13	Pass
	1882.5	Outer_Full	8.51	/	/	<=13	Pass
	1895	Outer_Full	8.47	/	/	<=13	Pass
CP-OFDM 64 QAM	1870	Outer_Full	8.42	/	/	<=13	Pass
	1882.5	Outer_Full	8.37	/	/	<=13	Pass
	1895	Outer_Full	8.24	/	/	<=13	Pass
CP-OFDM 256 QAM	1870	Outer_Full	8.23	/	/	<=13	Pass
	1882.5	Outer_Full	8.25	/	/	<=13	Pass
	1895	Outer_Full	8.22	/	/	<=13	Pass



4.7.2 Test Graph



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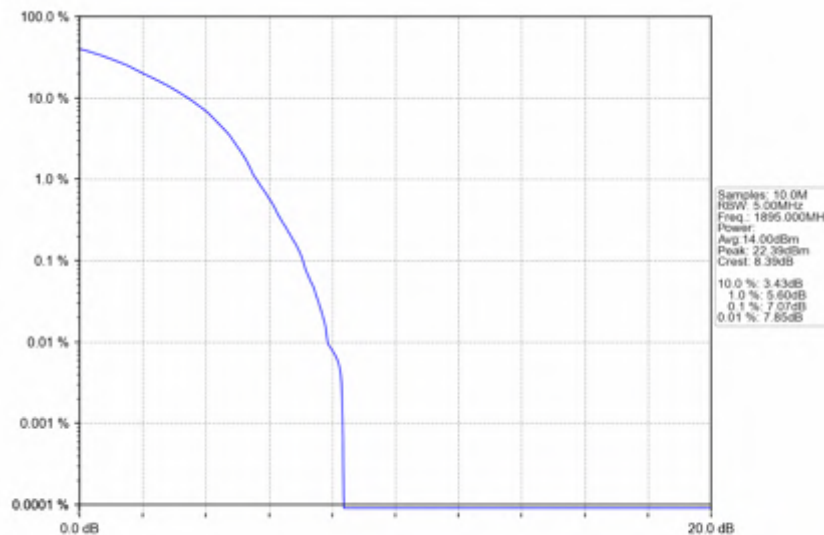
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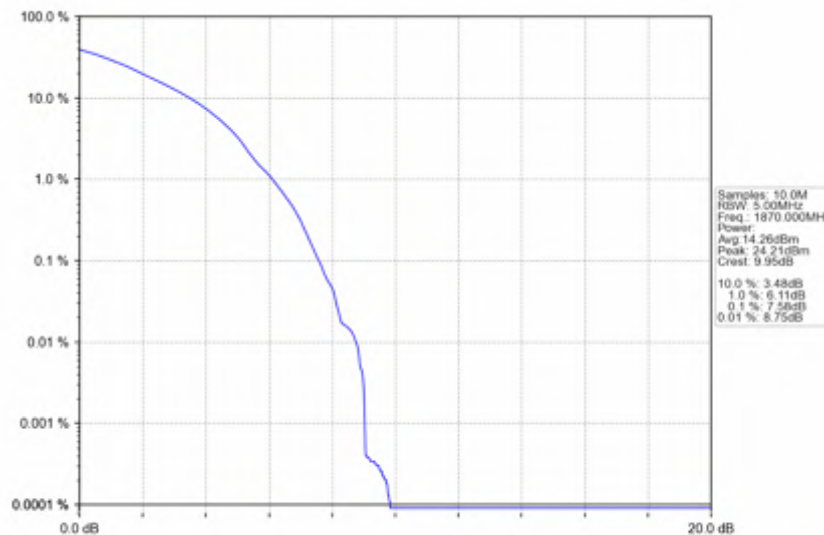
0512-57350888 0512-57370910 www.sgs.com.cn

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n25_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_1895MHz_Outer_Full



n25_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_1870MHz_Outer_Full



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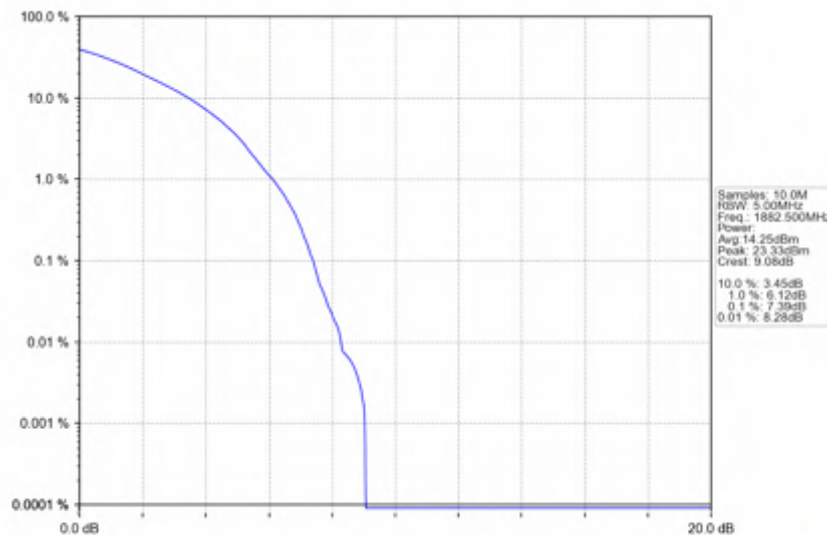
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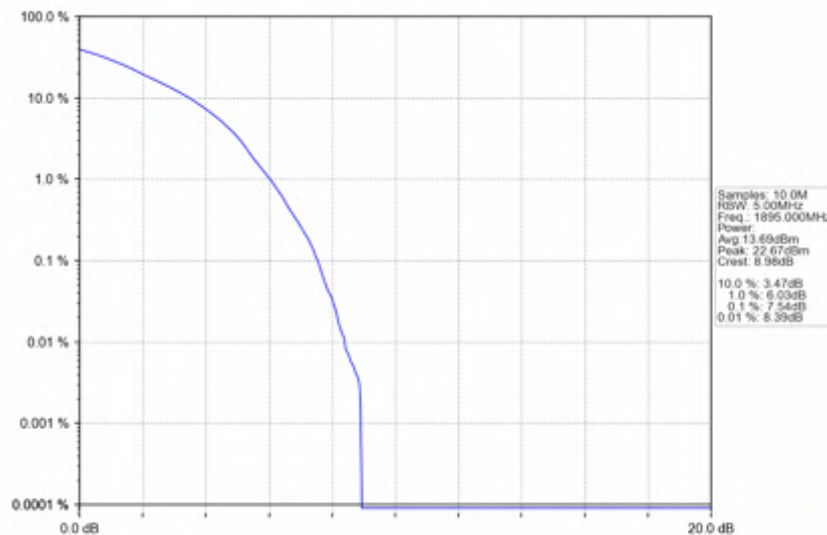
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n25_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_1882.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_1895MHz_Outer_Full



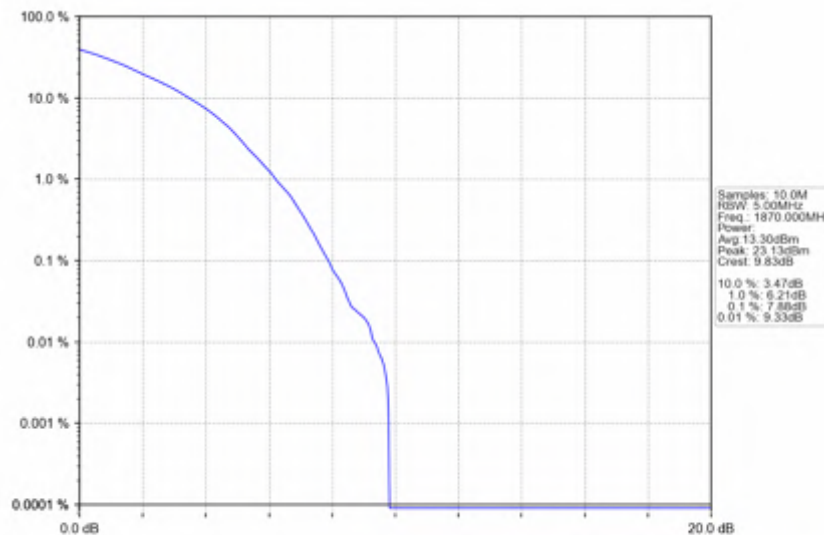
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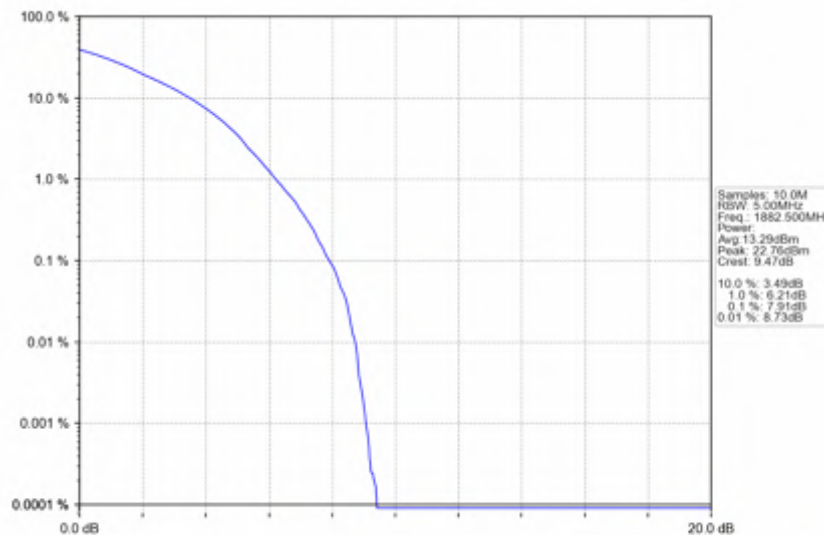
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n25_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_16_QAM_1870MHz_Outer_Full



n25_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_16_QAM_1882.5MHz_Outer_Full



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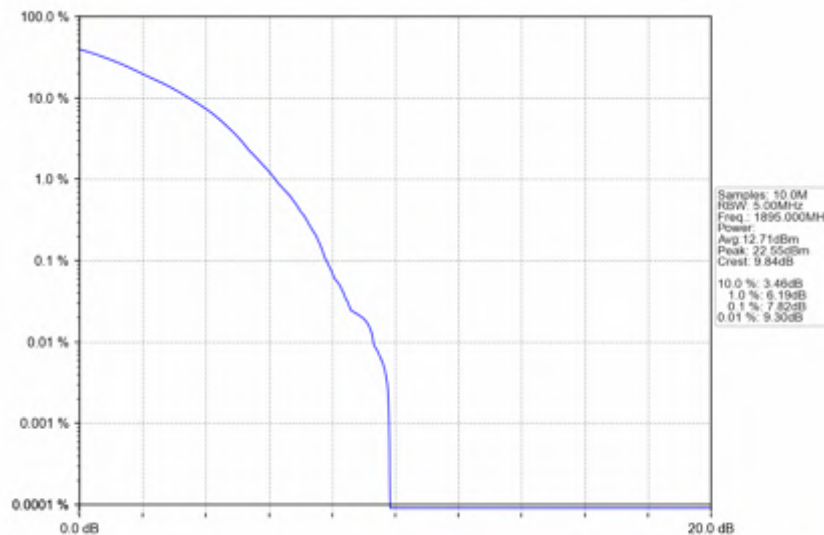
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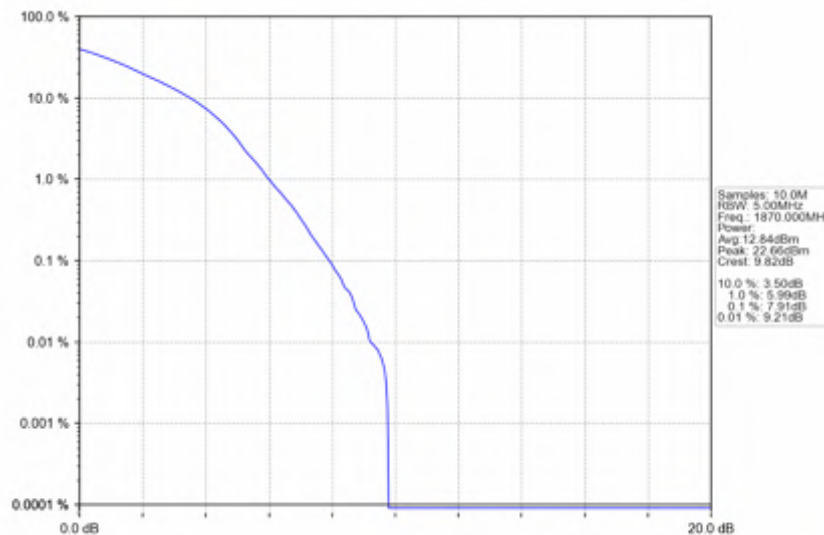
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n25_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_16_QAM_1895MHz_Outer_Full



n25_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_64_QAM_1870MHz_Outer_Full



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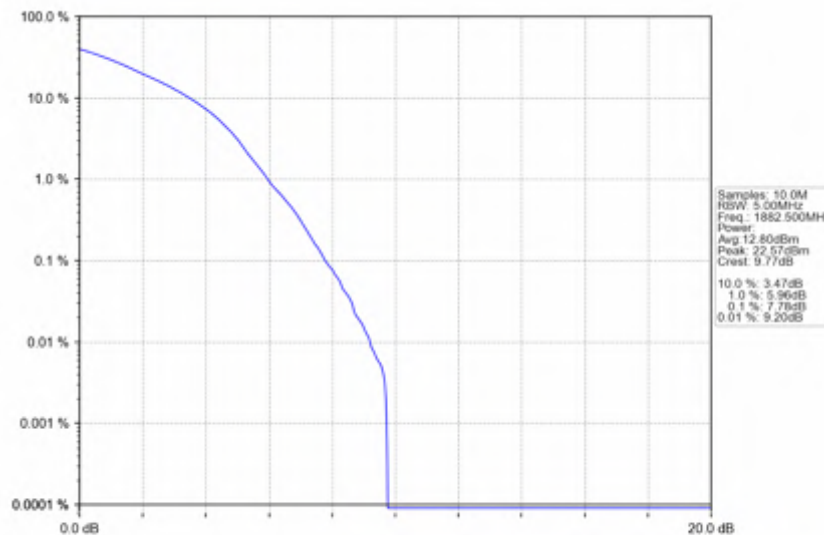
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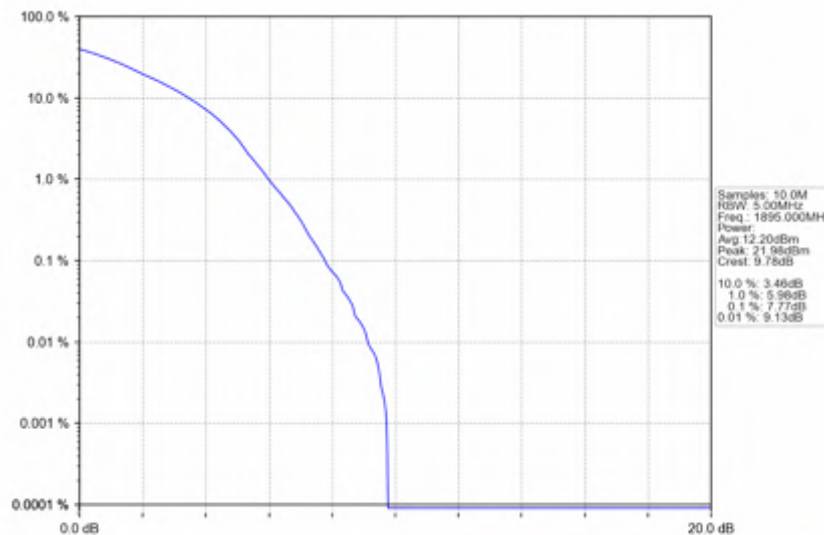
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n25_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_64_QAM_1882.5MHz_Outer_Full



n25 15kHz SISO NTV 40MHz DFT-s-OFDM 64 QAM 1895MHz Outer Full

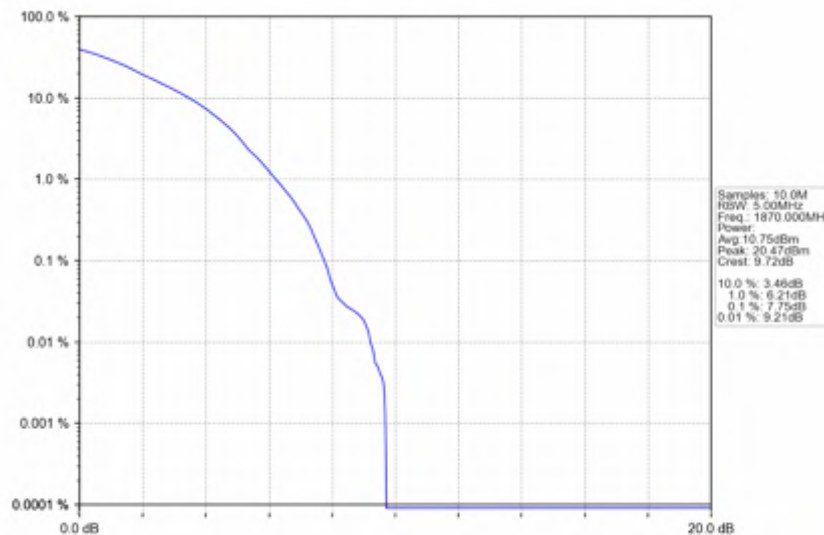


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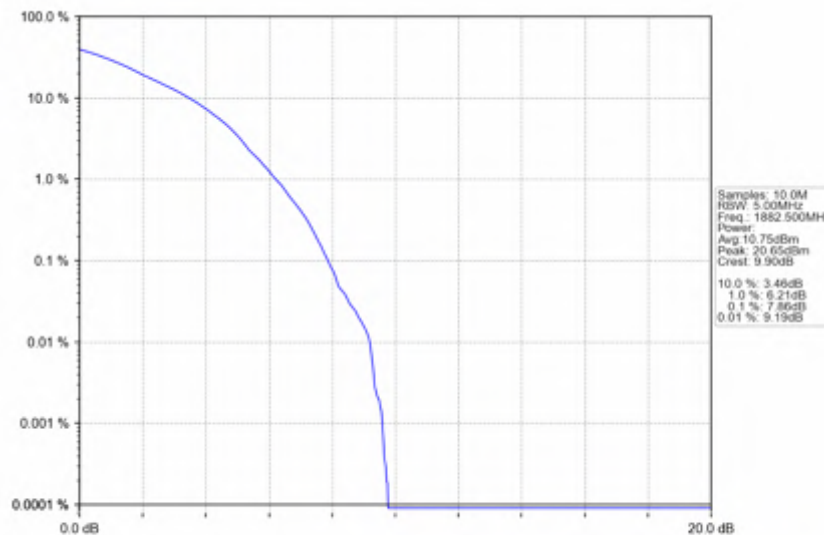
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n25_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_1870MHz_Outer_Full



n25_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_1882.5MHz_Outer_Full

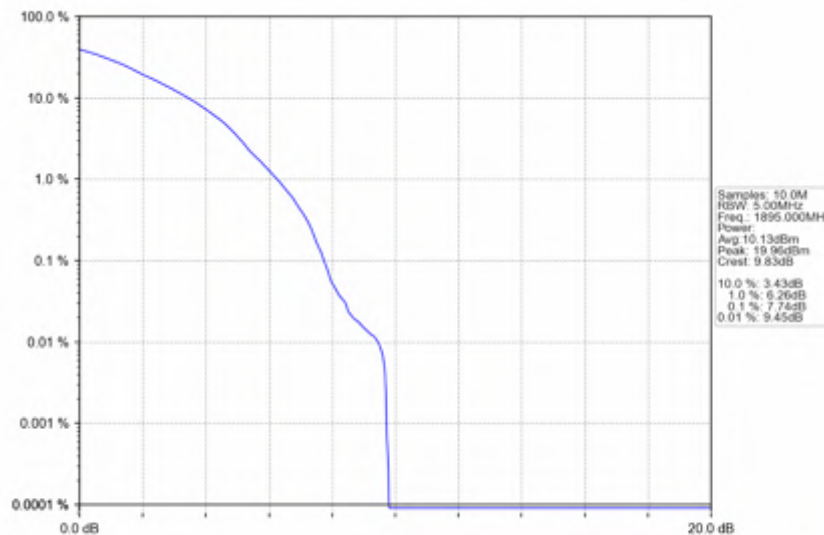


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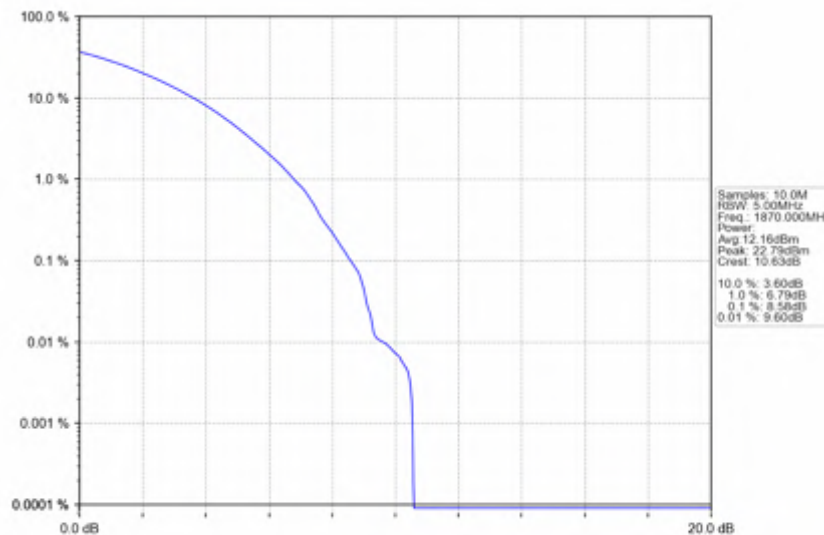
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n25_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_1895MHz_Outer_Full



n25_15kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_1870MHz_Outer_Full



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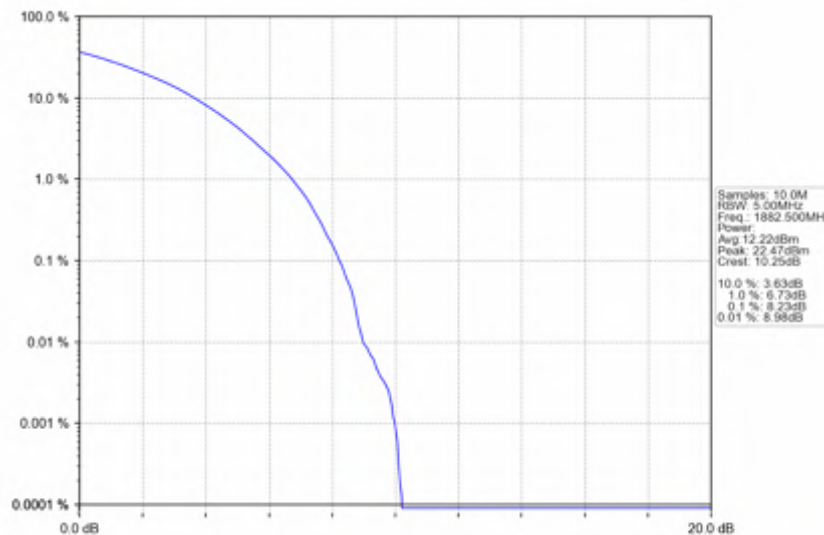
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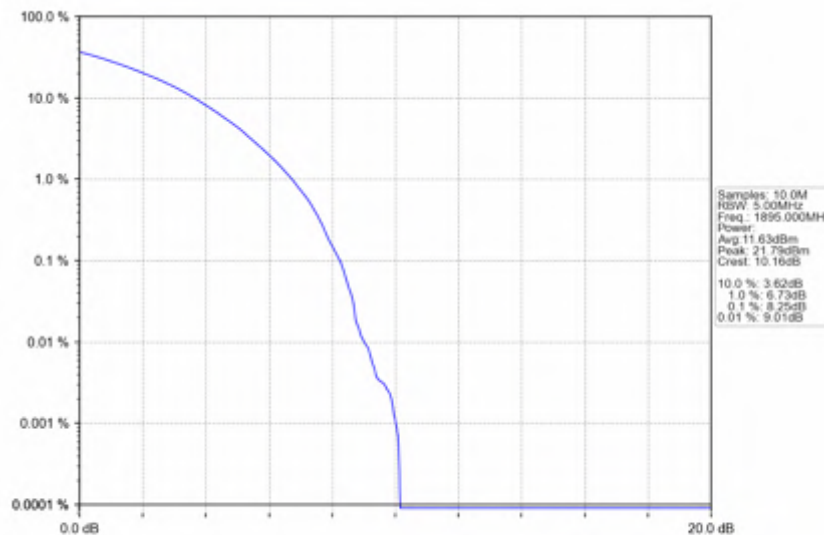
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n25_15kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_1882.5MHz_Outer_Full



n25_15kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_1895MHz_Outer_Full

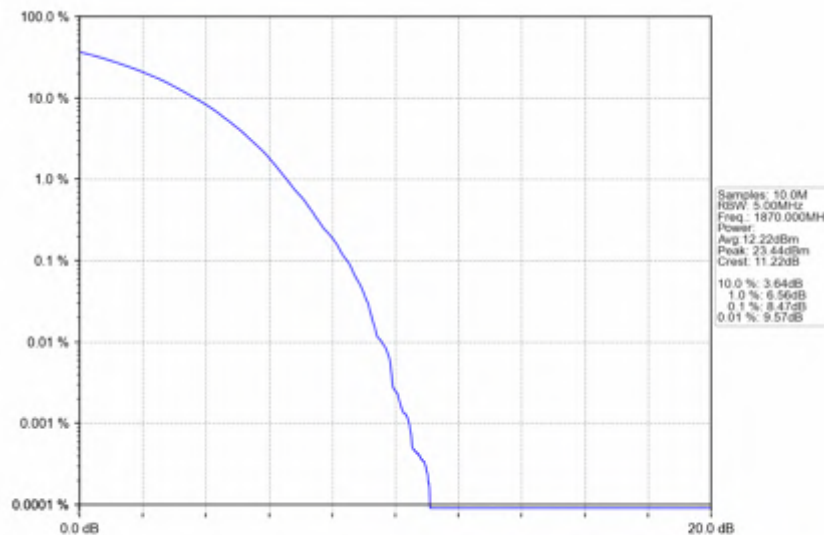


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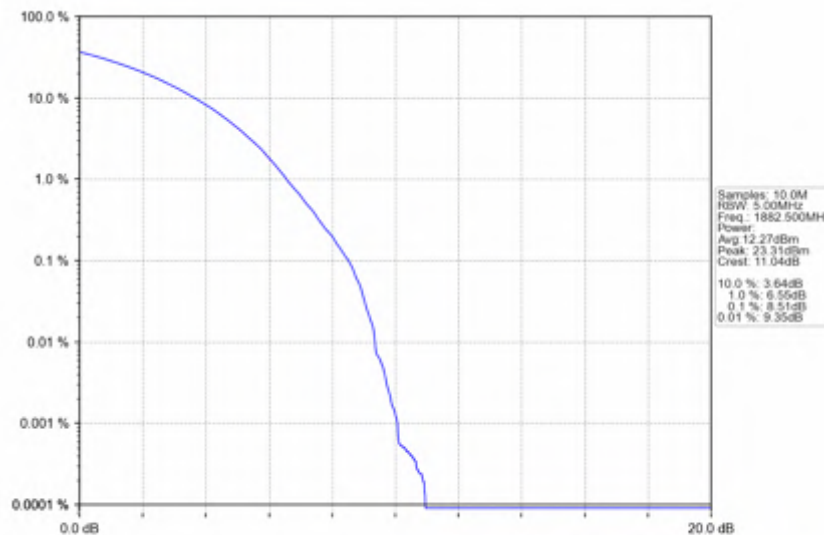
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n25_15kHz_SISO_NTNV_40MHz_CP-OFDM_16_QAM_1870MHz_Outer_Full



n25_15kHz_SISO_NTNV_40MHz_CP-OFDM_16_QAM_1882.5MHz_Outer_Full

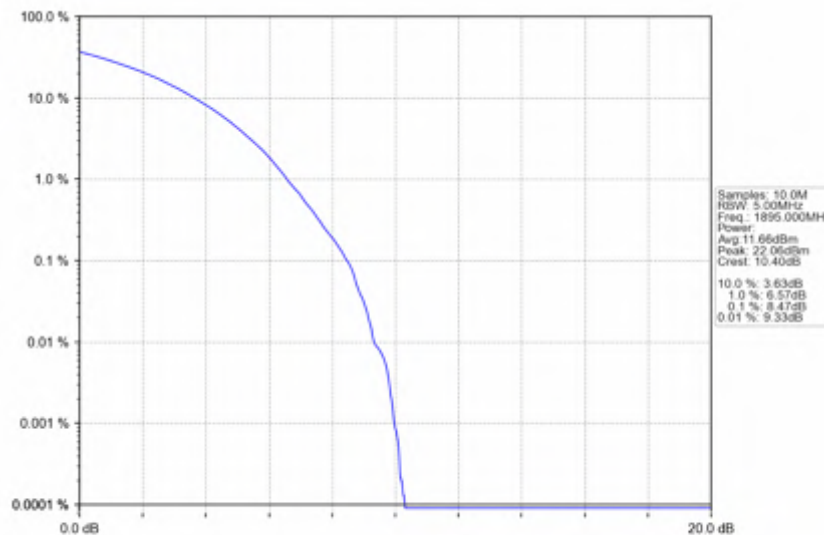


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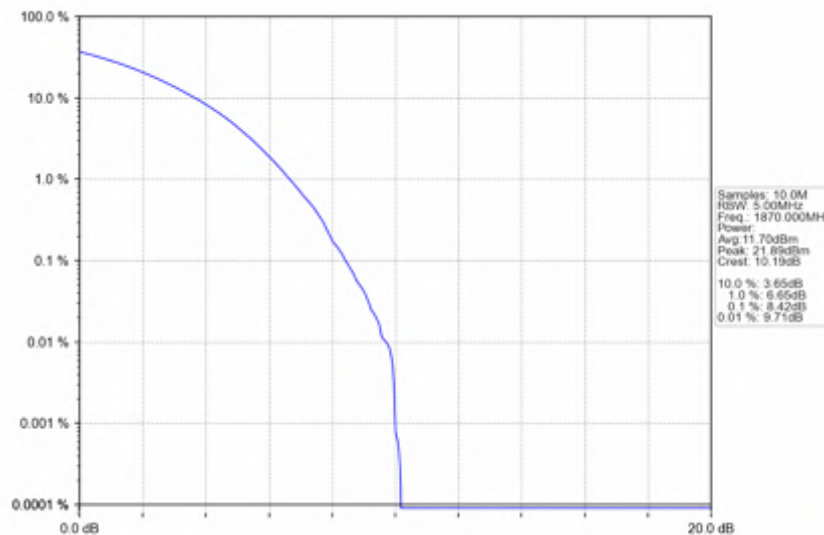
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n25_15kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_1895MHz_Outer_Full



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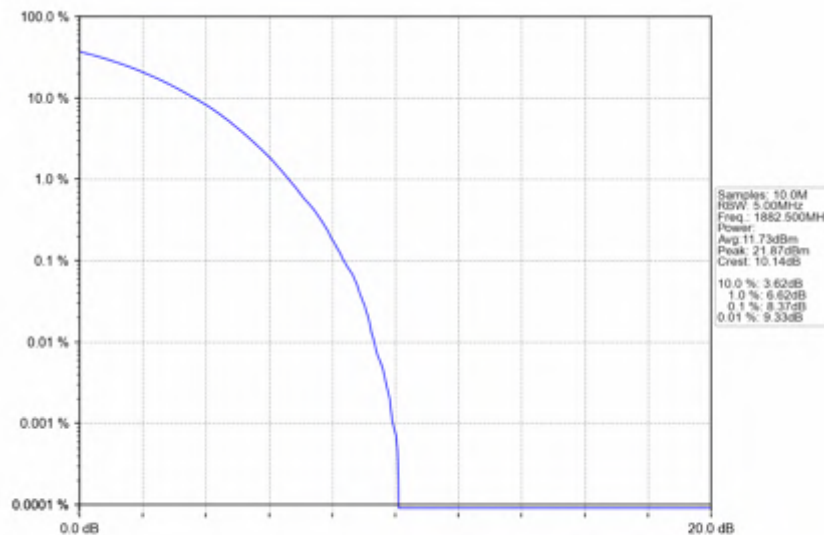
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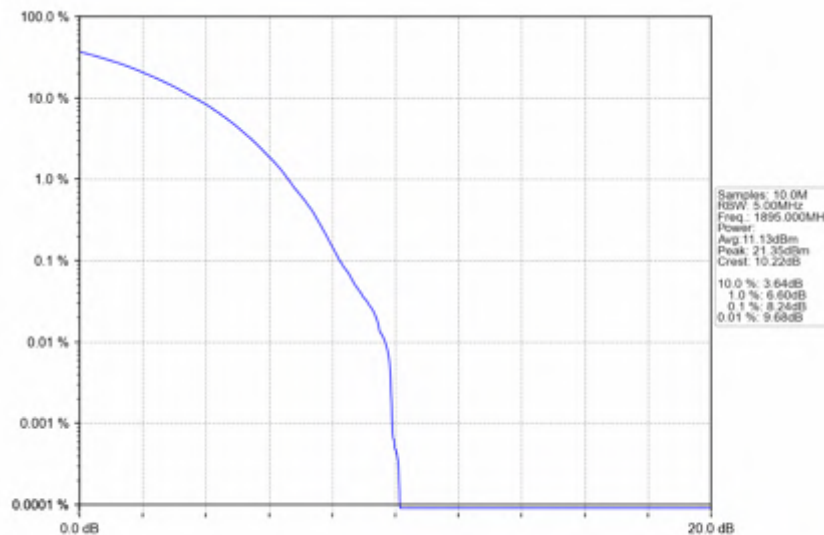
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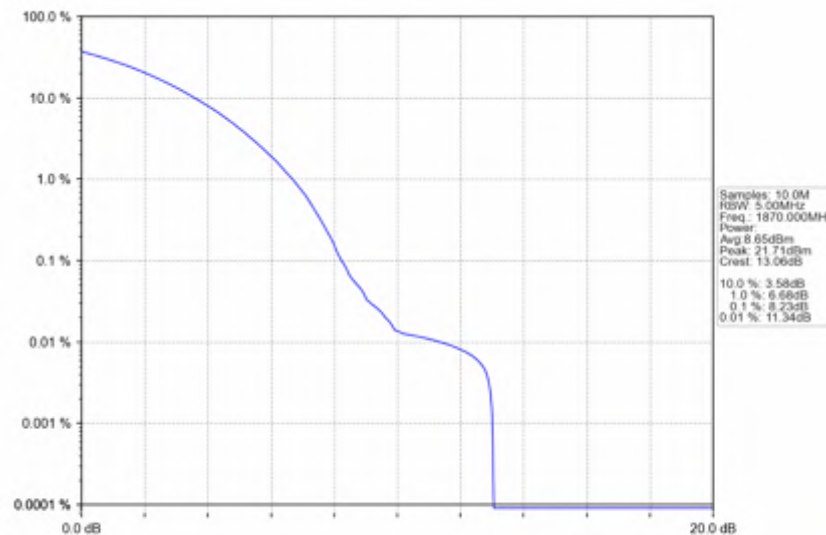
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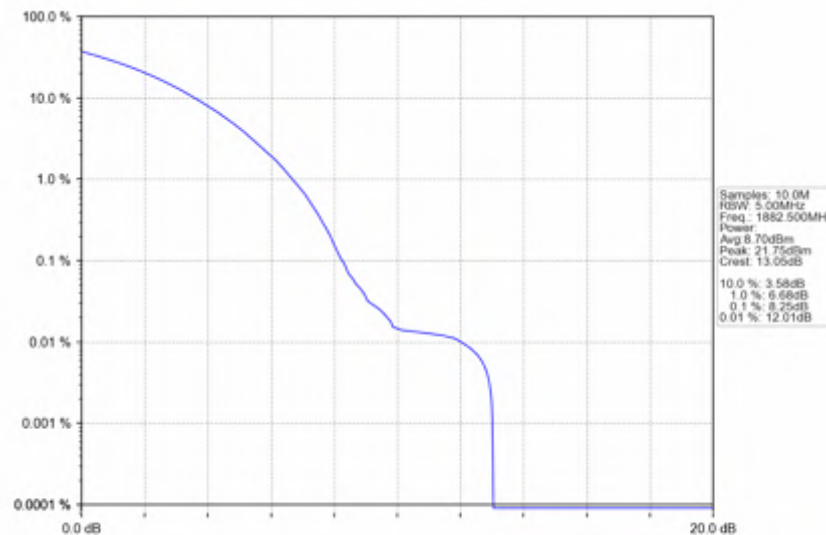
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n25_15kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_1882.5MHz_Outer_Full



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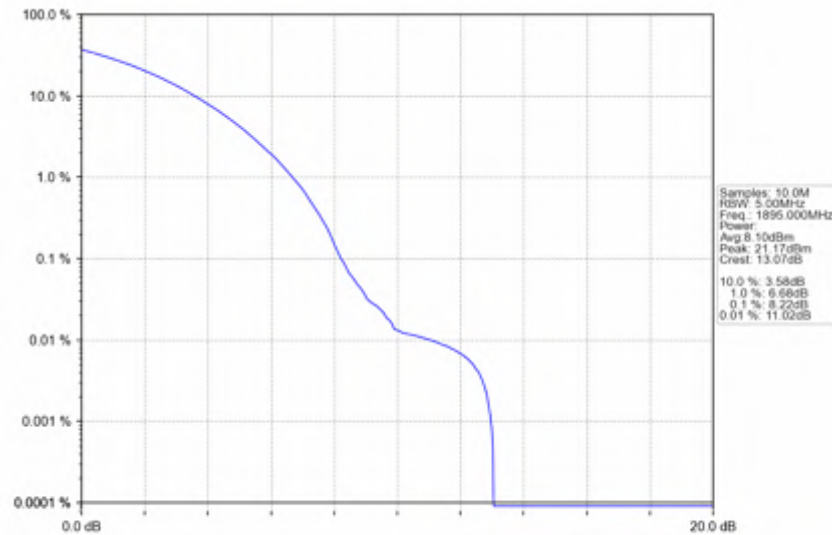
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n25_15kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_1895MHz_Outer_Full



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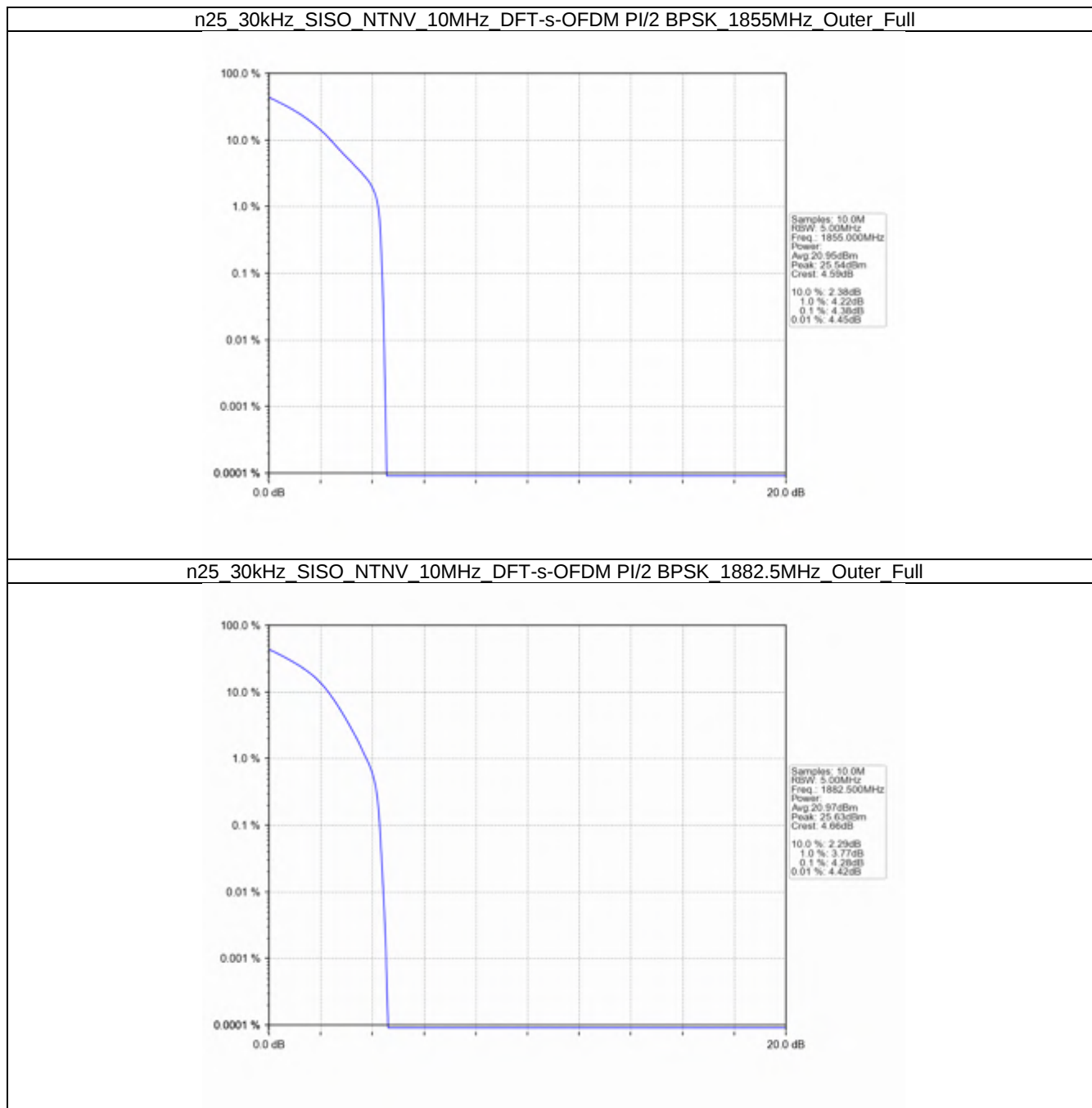
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4.8 30k_SISO_10MHz_NTNV

4.8.1 Test Result

5G NR n25 SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1855	Outer_Full	4.38	/	/	<=13	Pass
	1882.5	Outer_Full	4.28	/	/	<=13	Pass
	1910	Outer_Full	4.40	/	/	<=13	Pass
DFT-s-OFDM QPSK	1855	Outer_Full	5.29	/	/	<=13	Pass
	1882.5	Outer_Full	5.30	/	/	<=13	Pass
	1910	Outer_Full	5.20	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1855	Outer_Full	6.35	/	/	<=13	Pass
	1882.5	Outer_Full	6.48	/	/	<=13	Pass
	1910	Outer_Full	6.38	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1855	Outer_Full	6.68	/	/	<=13	Pass
	1882.5	Outer_Full	6.62	/	/	<=13	Pass
	1910	Outer_Full	6.70	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1855	Outer_Full	6.82	/	/	<=13	Pass
	1882.5	Outer_Full	6.78	/	/	<=13	Pass
	1910	Outer_Full	6.87	/	/	<=13	Pass
CP-OFDM QPSK	1855	Outer_Full	8.04	/	/	<=13	Pass
	1882.5	Outer_Full	7.90	/	/	<=13	Pass
	1910	Outer_Full	7.85	/	/	<=13	Pass
CP-OFDM 16 QAM	1855	Outer_Full	8.01	/	/	<=13	Pass
	1882.5	Outer_Full	8.25	/	/	<=13	Pass
	1910	Outer_Full	8.20	/	/	<=13	Pass
CP-OFDM 64 QAM	1855	Outer_Full	8.09	/	/	<=13	Pass
	1882.5	Outer_Full	8.08	/	/	<=13	Pass
	1910	Outer_Full	8.11	/	/	<=13	Pass
CP-OFDM 256 QAM	1855	Outer_Full	8.41	/	/	<=13	Pass
	1882.5	Outer_Full	8.37	/	/	<=13	Pass
	1910	Outer_Full	8.38	/	/	<=13	Pass

4.8.2 Test Graph



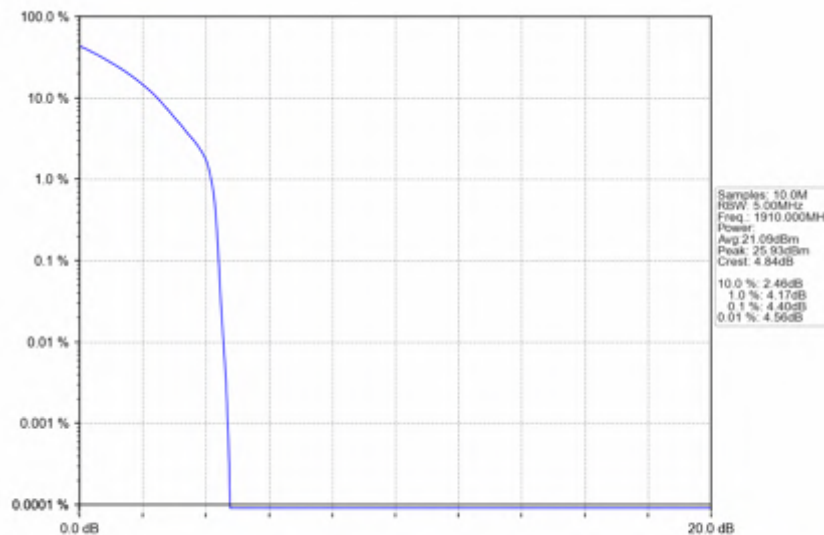
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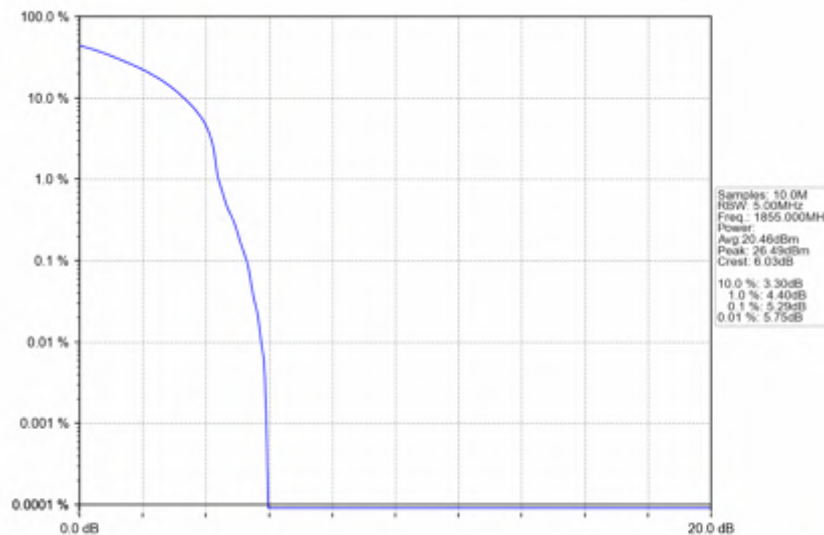
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n25_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1855MHz_Outer_Full

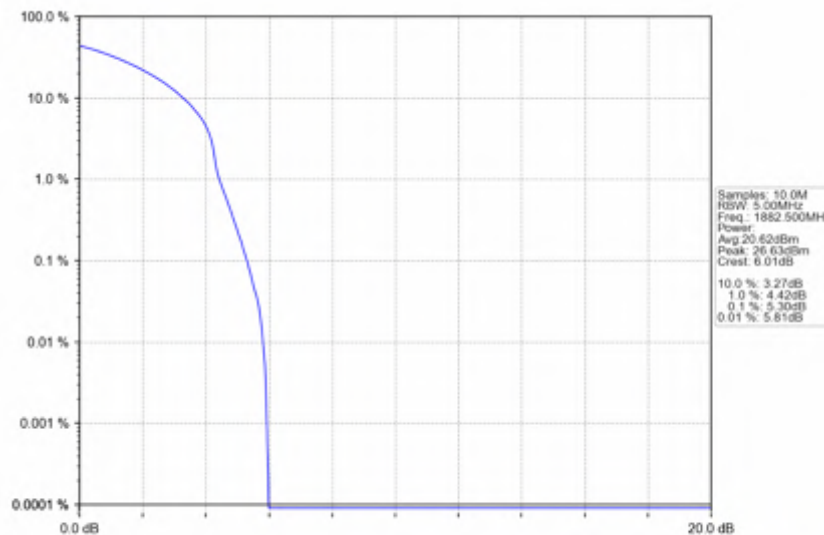


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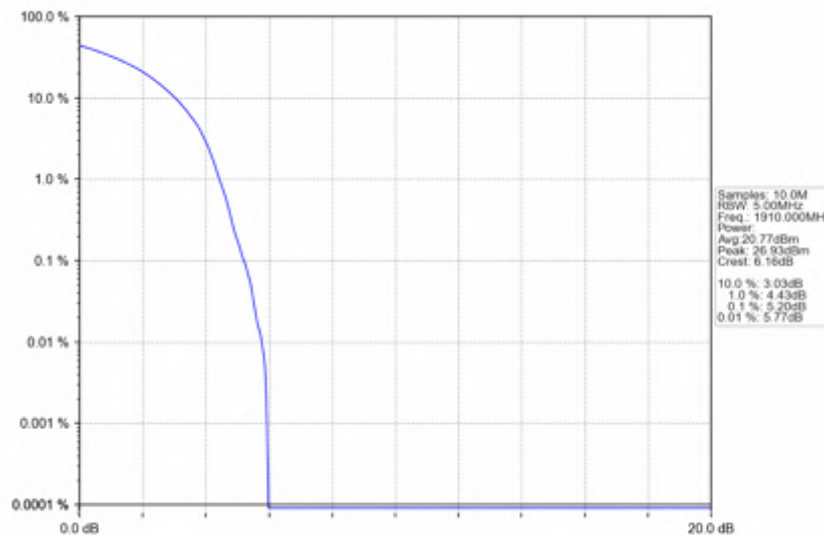
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n25_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_1882.5MHz_Outer_Full



n25_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_1910MHz_Outer_Full



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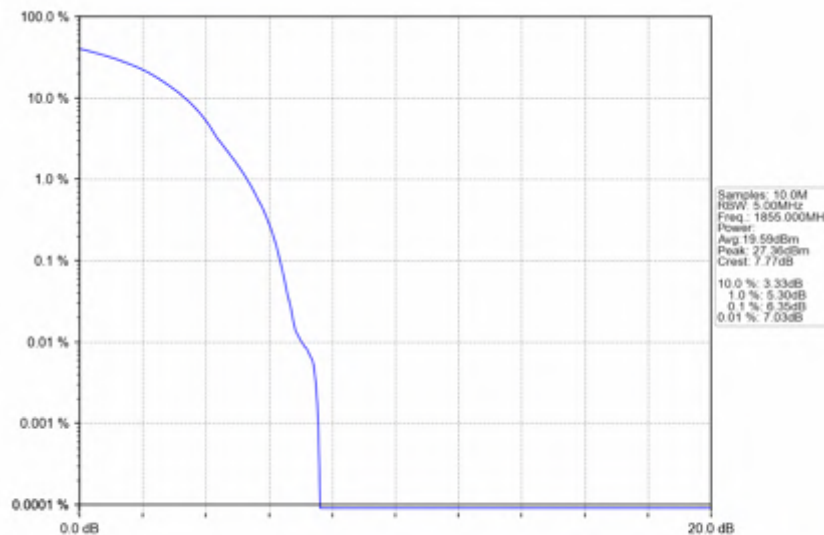
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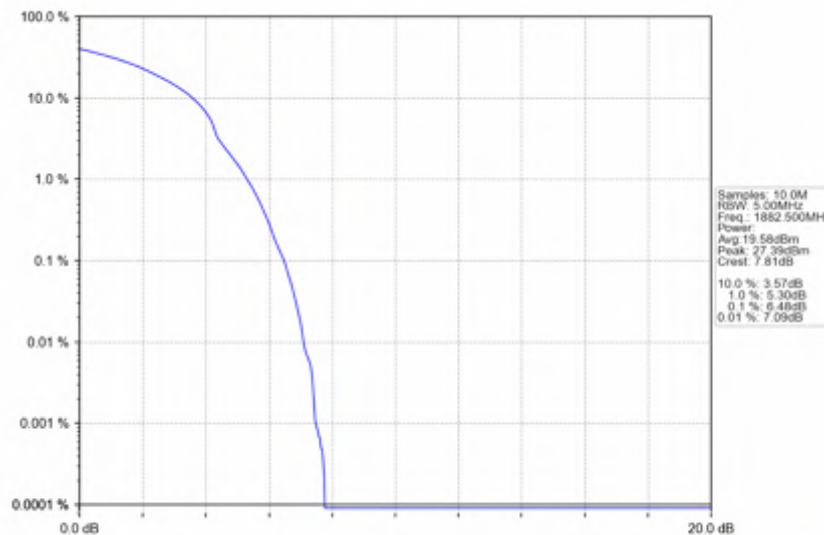
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n25_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_1882.5MHz_Outer_Full

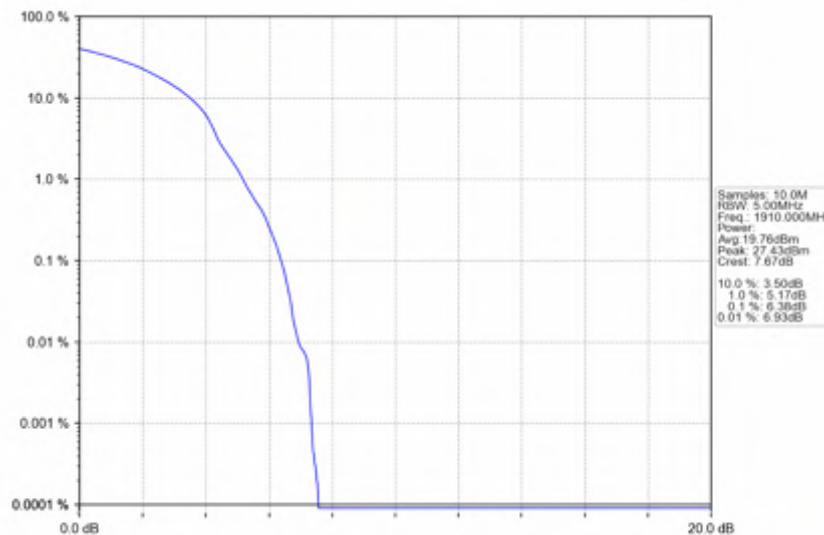


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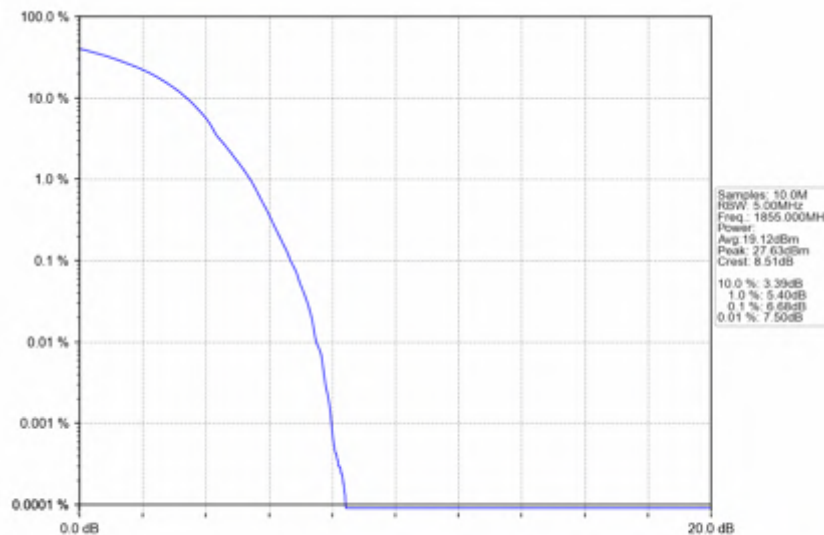
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n25_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_1910MHz_Outer_Full



n25_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_1855MHz_Outer_Full

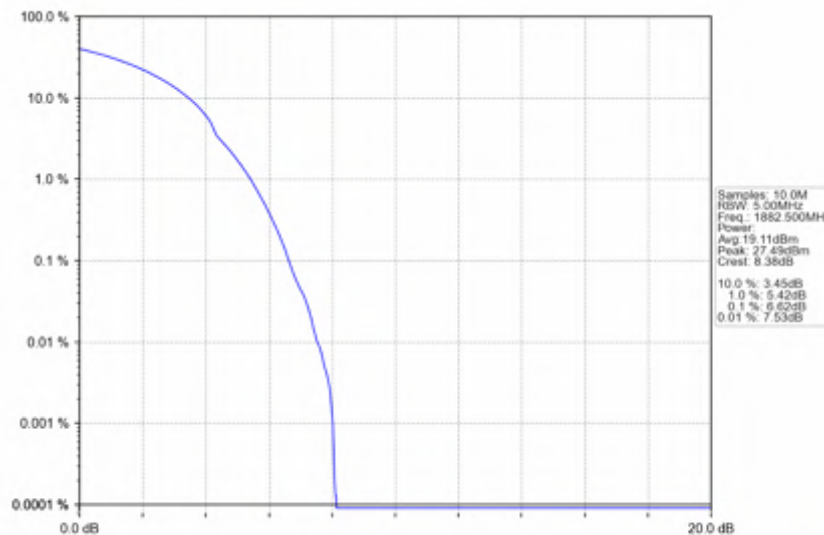


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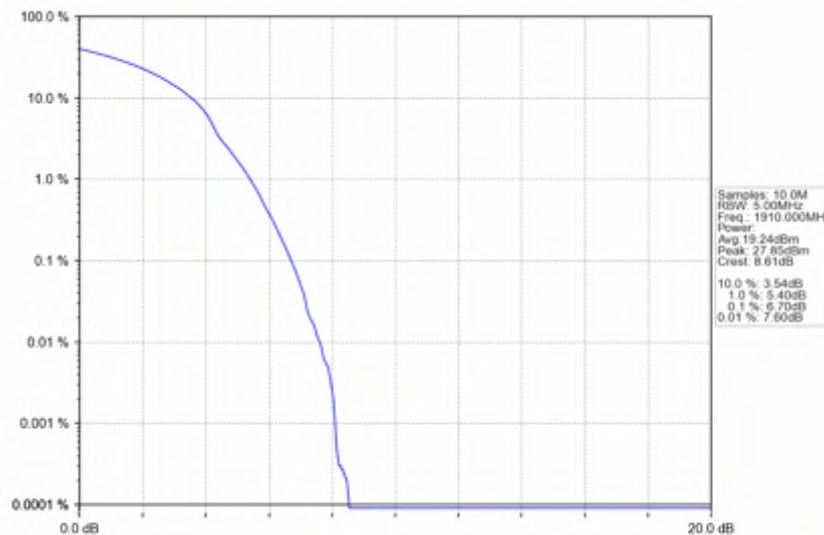
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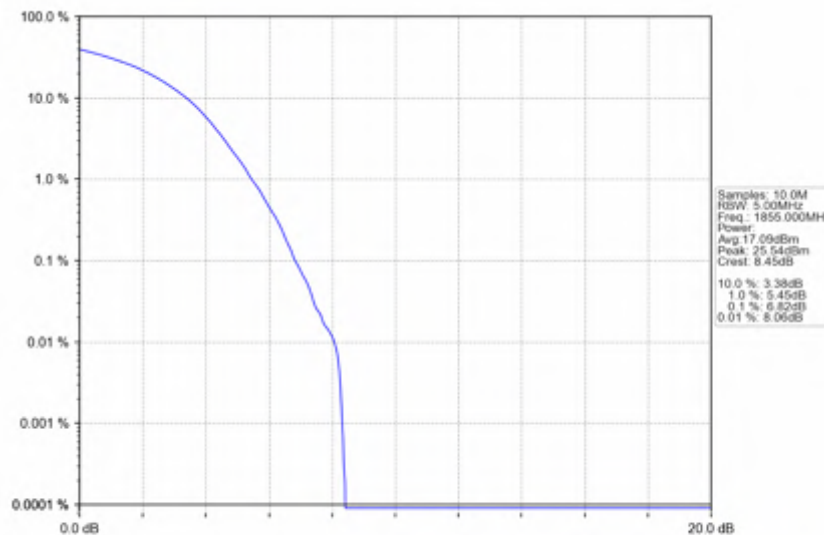


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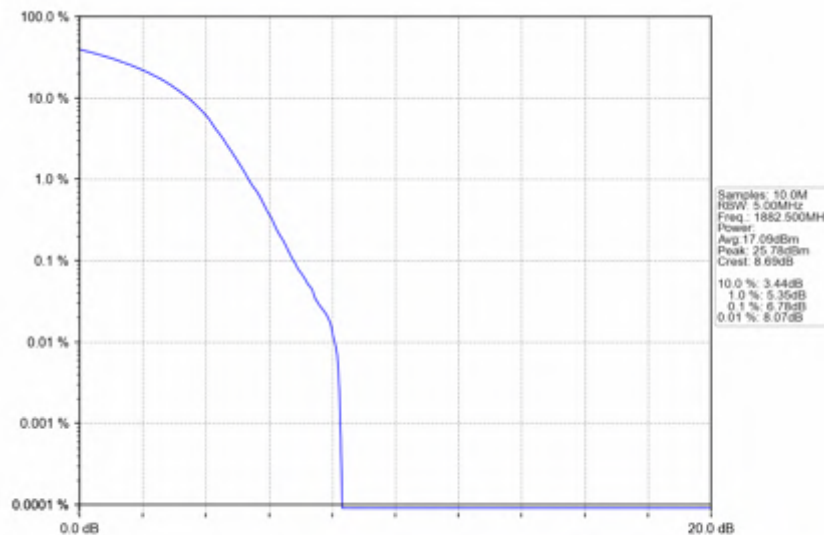
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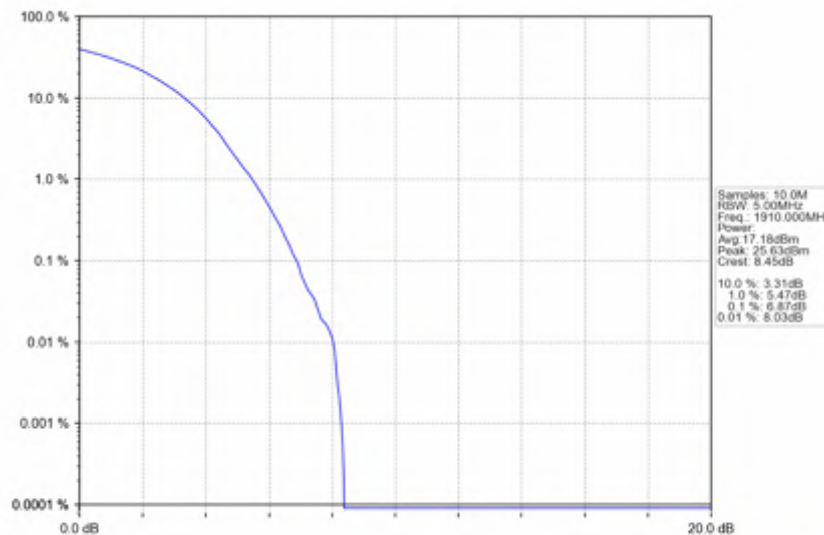


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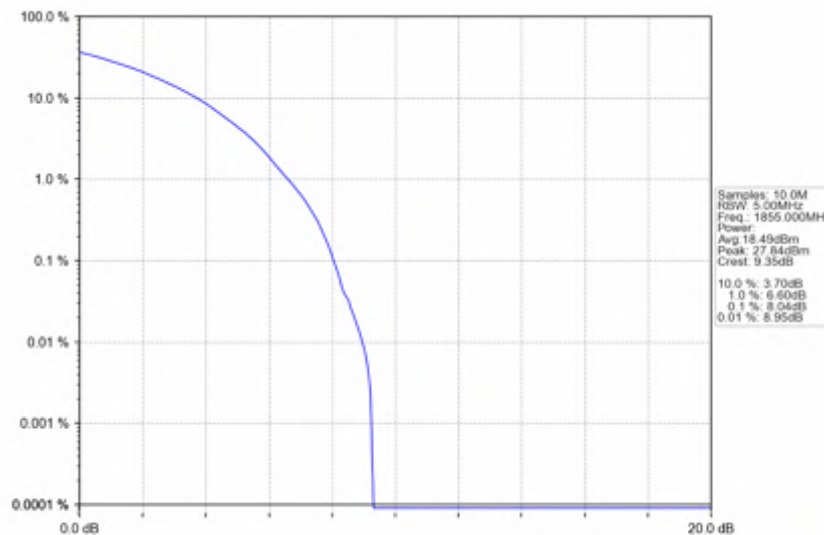
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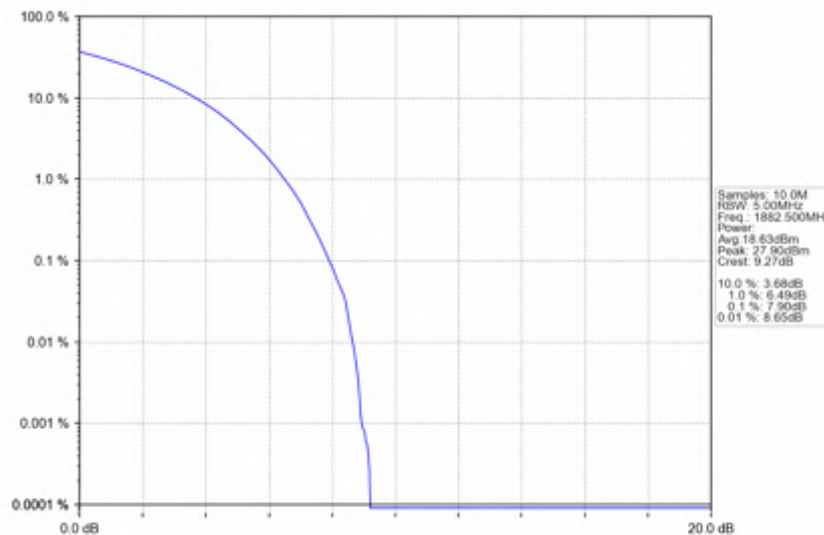


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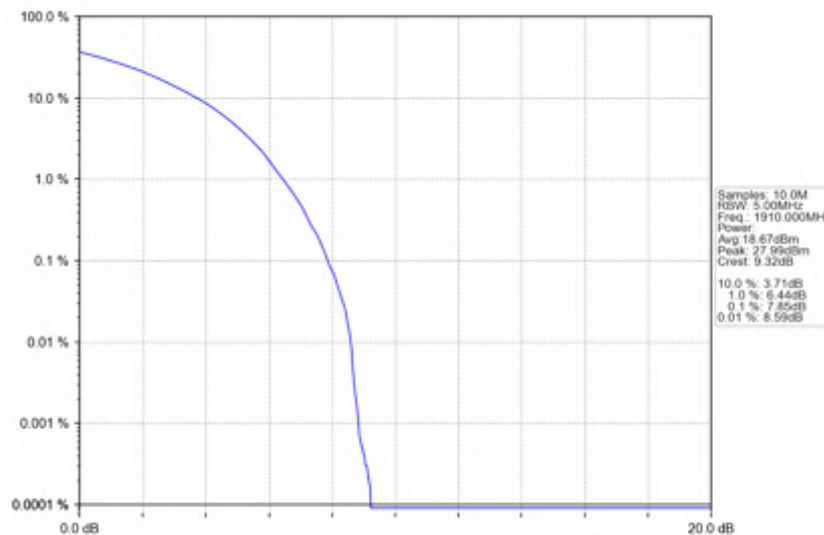
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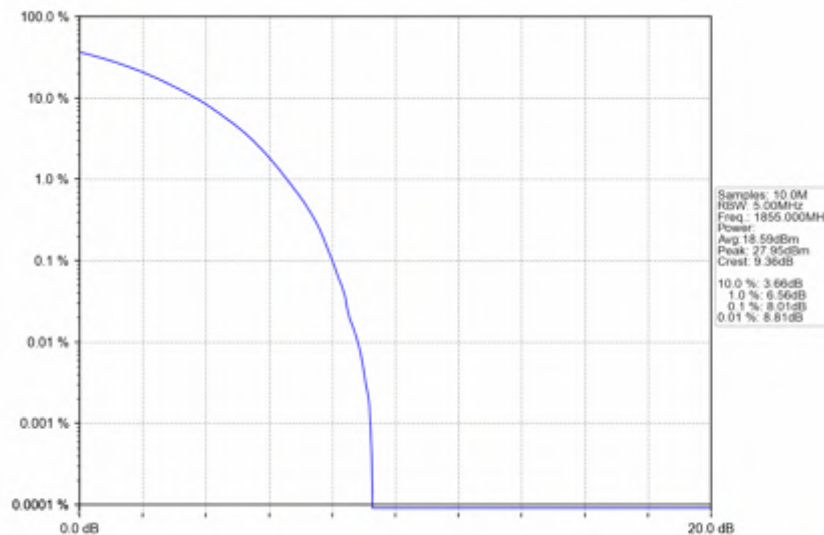


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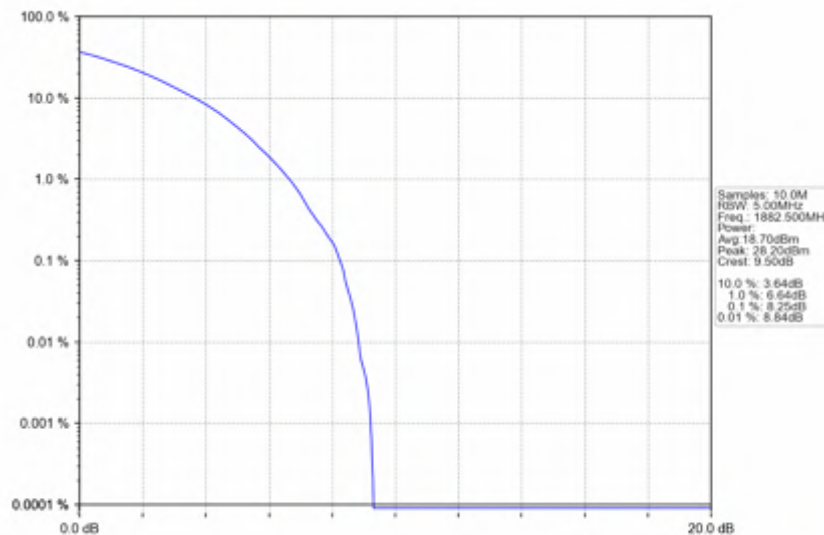
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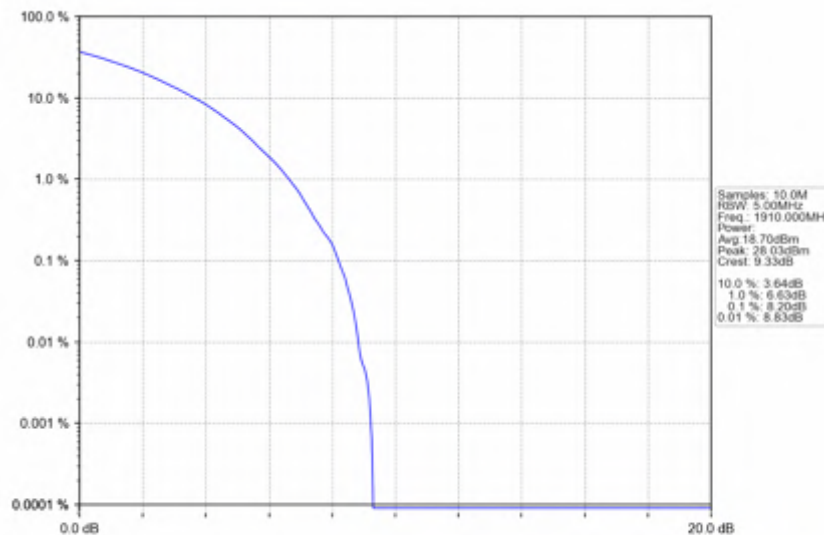


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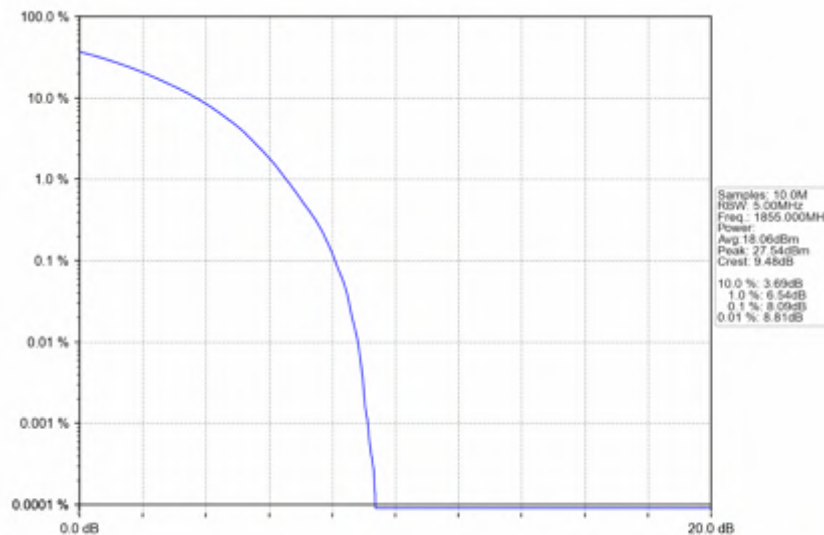
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n25_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_1910MHz_Outer_Full



n25_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_1855MHz_Outer_Full

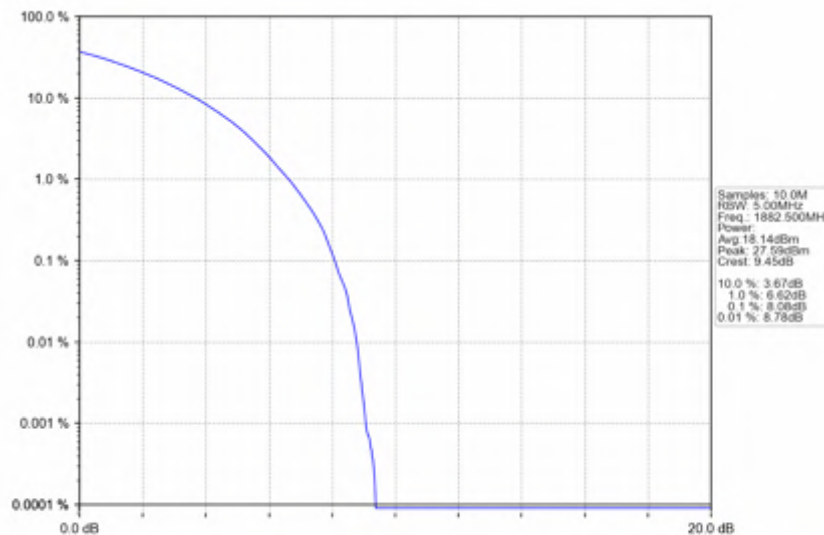


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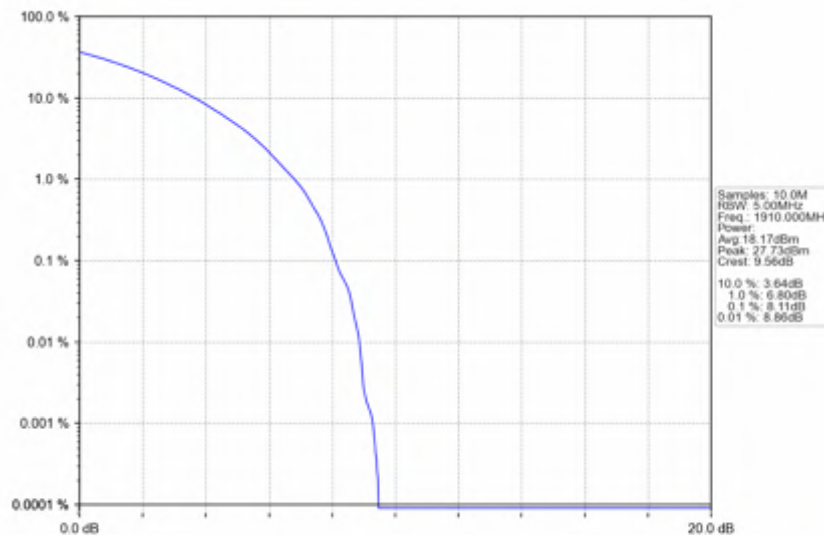
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n25_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_1882.5MHz_Outer_Full



n25_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_1910MHz_Outer_Full

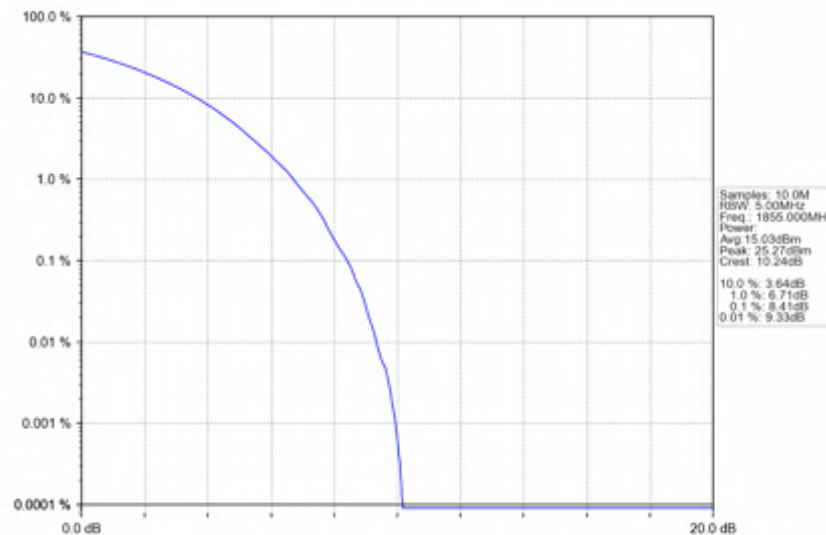


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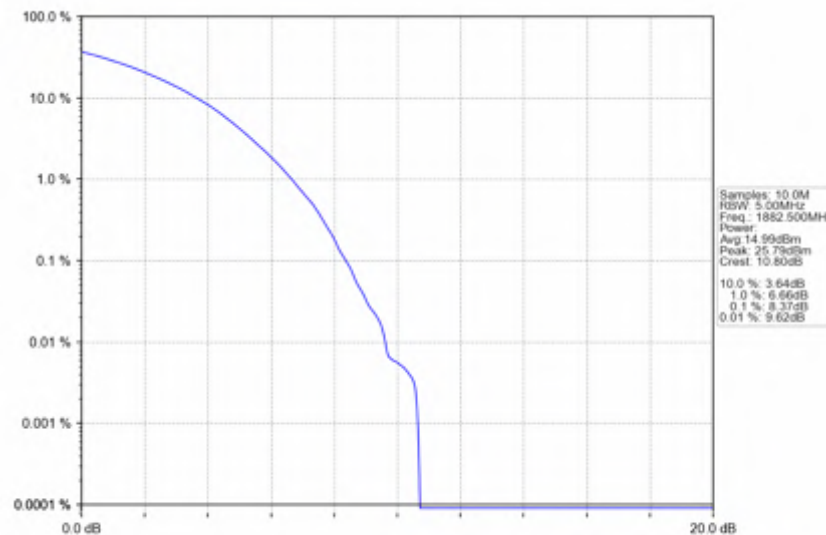
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n25_30kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_1855MHz_Outer_Full



n25_30kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_1882.5MHz_Outer_Full



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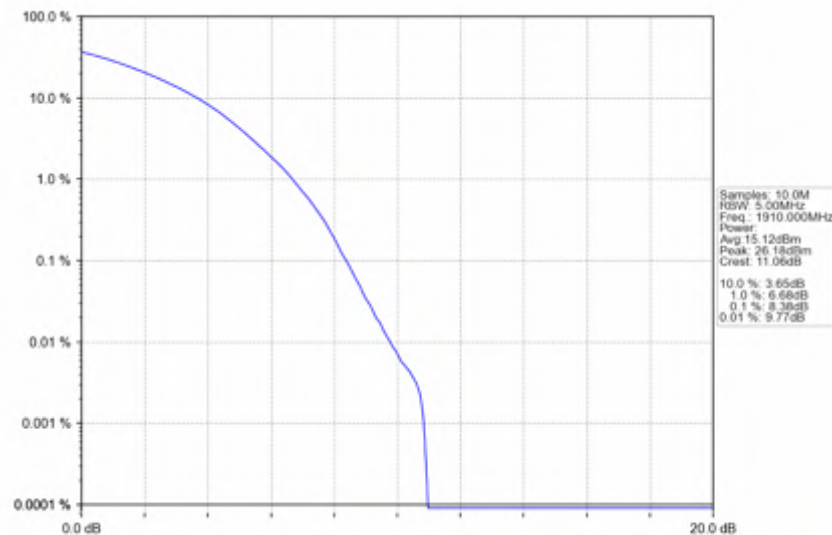
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