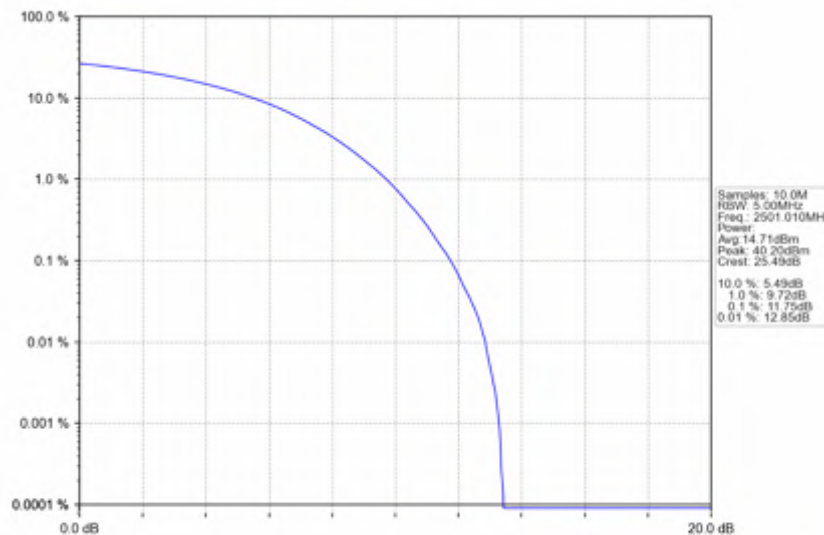
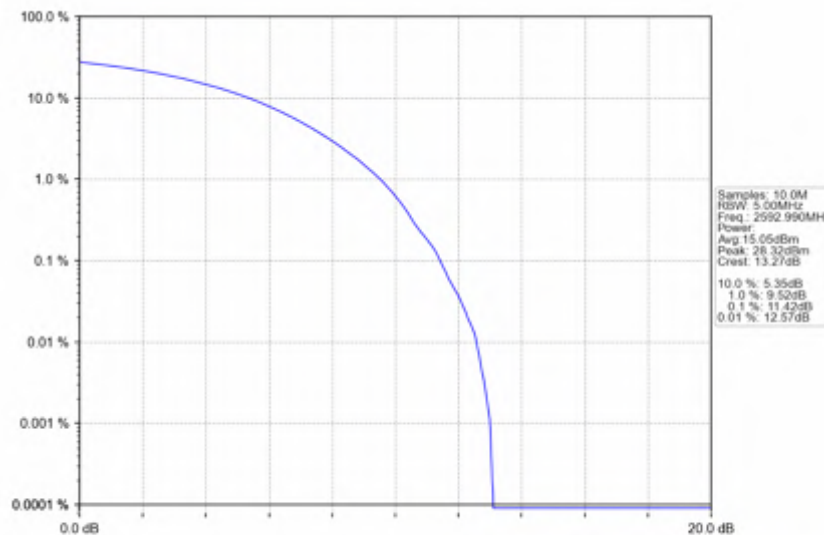


n41_30kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_2501.01MHz_Outer_Full



n41_30kHz_SISO_NTNV_10MHz_CP-OFDM_16_QAM_2592.99MHz_Outer_Full

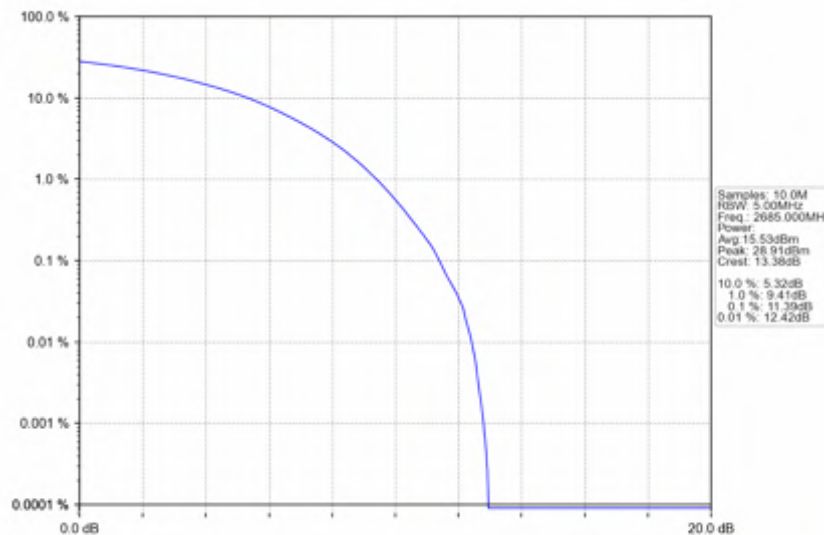


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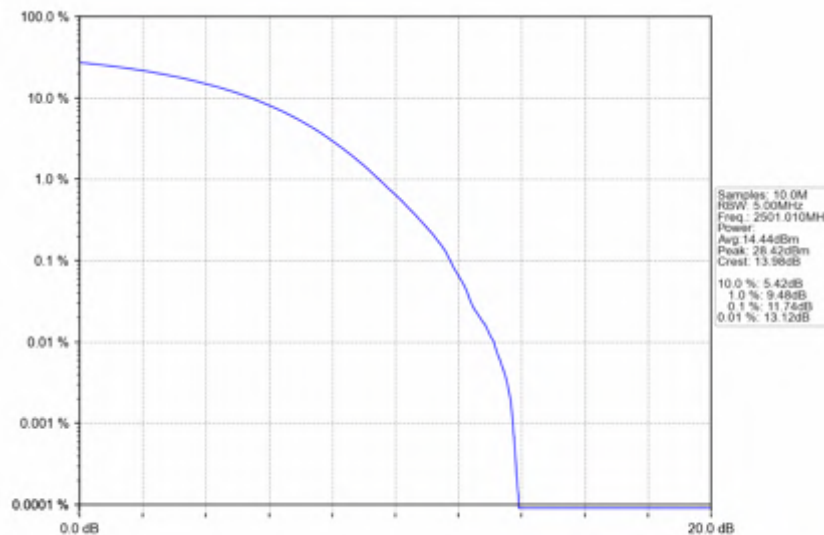
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n41_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_2685MHz_Outer_Full



n41_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_2501.01MHz_Outer_Full

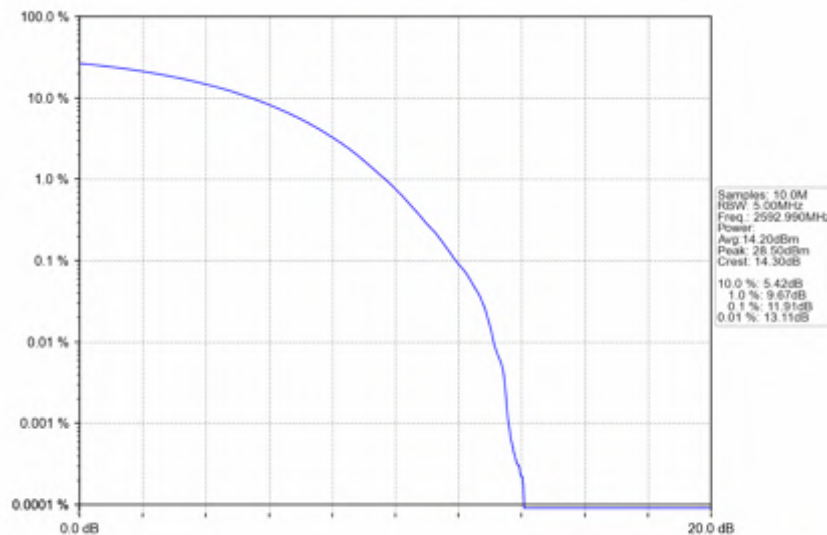


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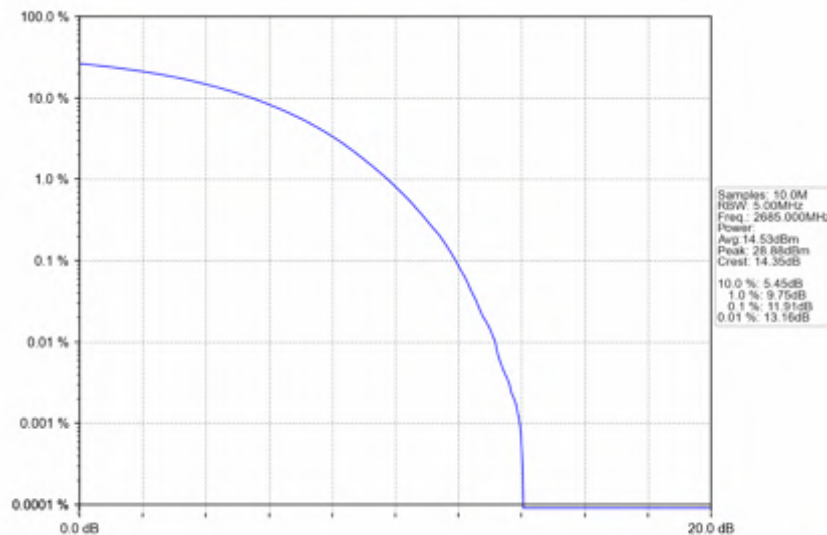
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n41	30kHz	SISO	NTNV	10MHz	CP-OFDM	64 QAM	2592.99MHz	Outer	Full
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n41_30kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_2685MHz_Outer_Full

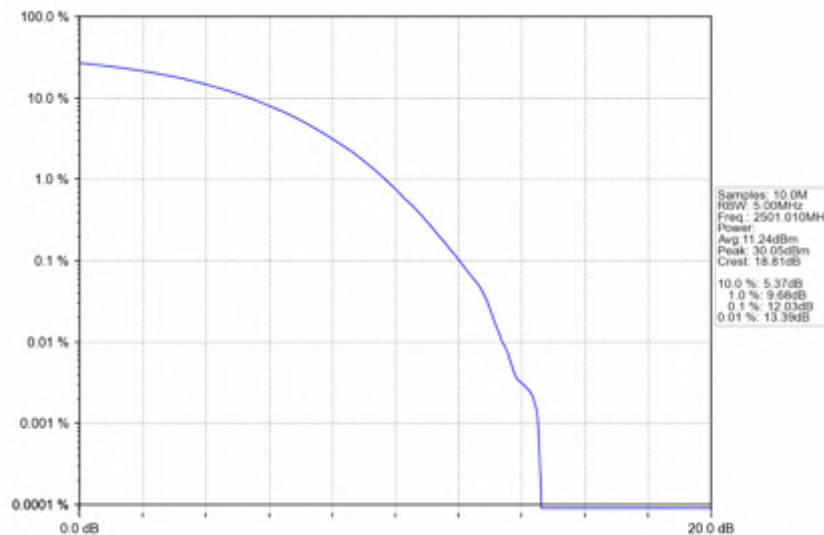


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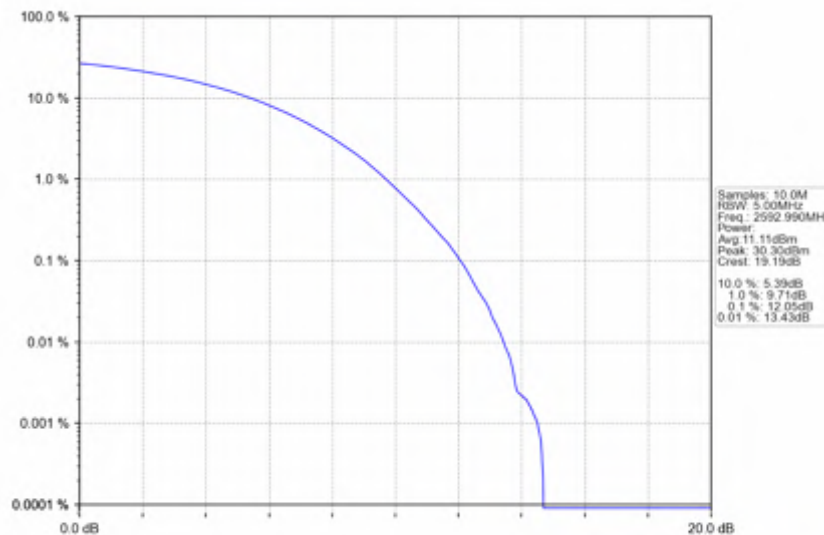
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n41_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_2501.01MHz_Outer_Full



n41_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full

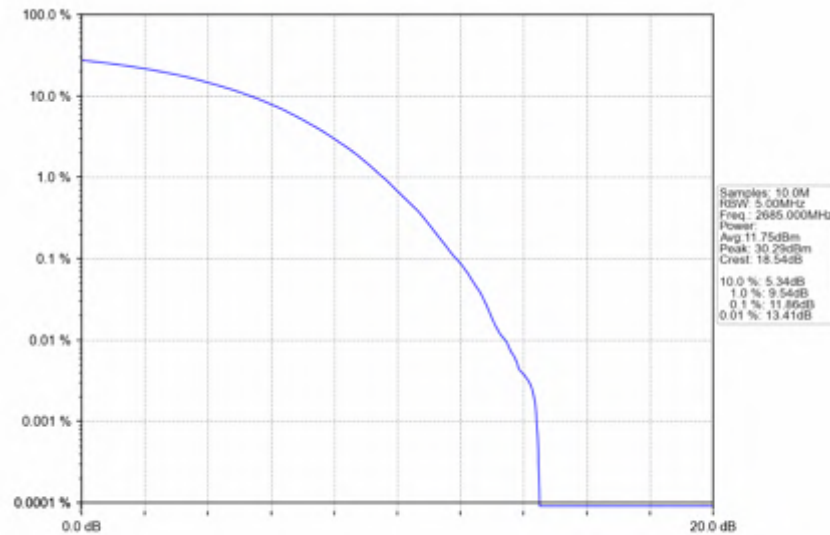


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n41_30kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_2685MHz_Outer_Full



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6.8 30k SISO 15MHz NTNV

6.8.1 Test Result

5G NR n41 SCS=30kHz SISO 15MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2503.5	Outer_Full	9.42	/	/	<=13	Pass
	2592.99	Outer_Full	9.49	/	/	<=13	Pass
	2682.48	Outer_Full	9.62	/	/	<=13	Pass
DFT-s-OFDM QPSK	2503.5	Outer_Full	9.56	/	/	<=13	Pass
	2592.99	Outer_Full	9.53	/	/	<=13	Pass
	2682.48	Outer_Full	9.45	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2503.5	Outer_Full	8.75	/	/	<=13	Pass
	2592.99	Outer_Full	9.18	/	/	<=13	Pass
	2682.48	Outer_Full	9.08	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2503.5	Outer_Full	9.34	/	/	<=13	Pass
	2592.99	Outer_Full	9.47	/	/	<=13	Pass
	2682.48	Outer_Full	9.44	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2503.5	Outer_Full	10.45	/	/	<=13	Pass
	2592.99	Outer_Full	10.46	/	/	<=13	Pass
	2682.48	Outer_Full	10.43	/	/	<=13	Pass
CP-OFDM QPSK	2503.5	Outer_Full	11.71	/	/	<=13	Pass
	2592.99	Outer_Full	11.71	/	/	<=13	Pass
	2682.48	Outer_Full	11.22	/	/	<=13	Pass
CP-OFDM 16 QAM	2503.5	Outer_Full	11.40	/	/	<=13	Pass
	2592.99	Outer_Full	11.66	/	/	<=13	Pass
	2682.48	Outer_Full	11.60	/	/	<=13	Pass
CP-OFDM 64 QAM	2503.5	Outer_Full	11.54	/	/	<=13	Pass
	2592.99	Outer_Full	11.85	/	/	<=13	Pass
	2682.48	Outer_Full	11.02	/	/	<=13	Pass
CP-OFDM 256 QAM	2503.5	Outer_Full	11.79	/	/	<=13	Pass
	2592.99	Outer_Full	11.75	/	/	<=13	Pass
	2682.48	Outer_Full	11.76	/	/	<=13	Pass



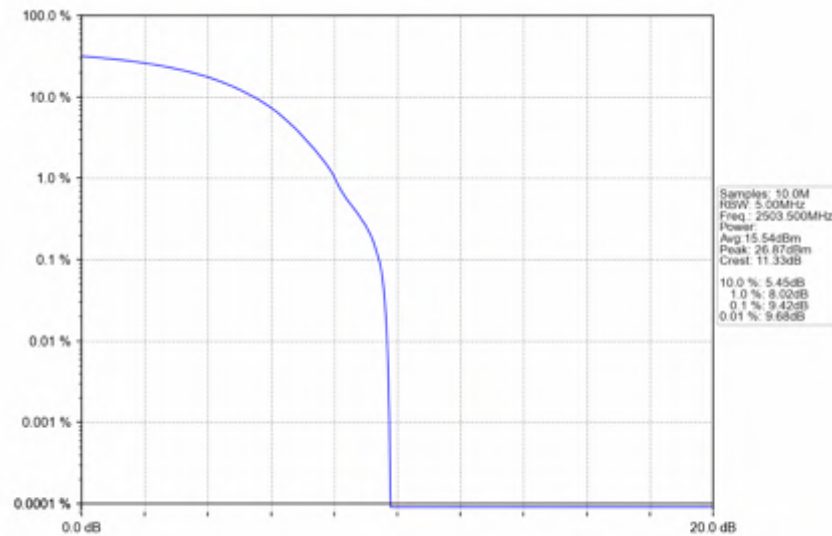
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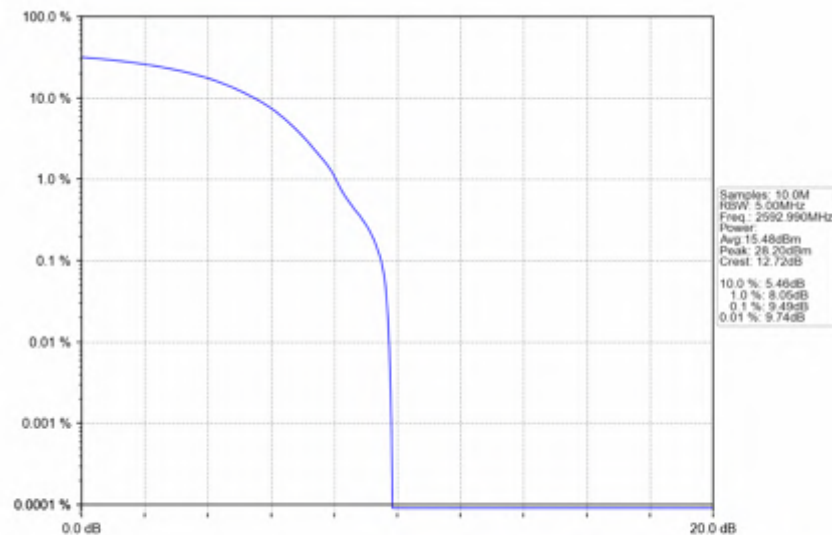
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6.8.2 Test Graph

n41_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_2503.5MHz_Outer_Full



n41_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_2592.99MHz_Outer_Full



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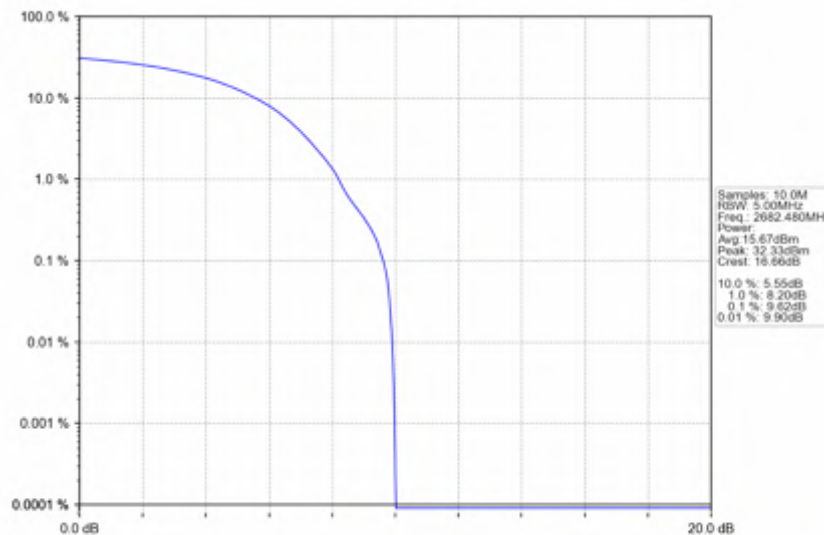
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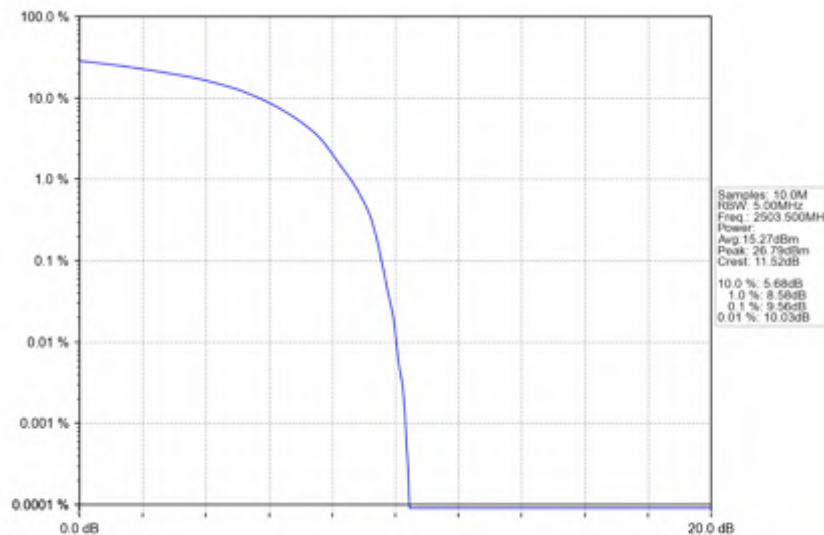
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n41_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_2682.48MHz_Outer_Full



n41_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_2503.5MHz_Outer_Full



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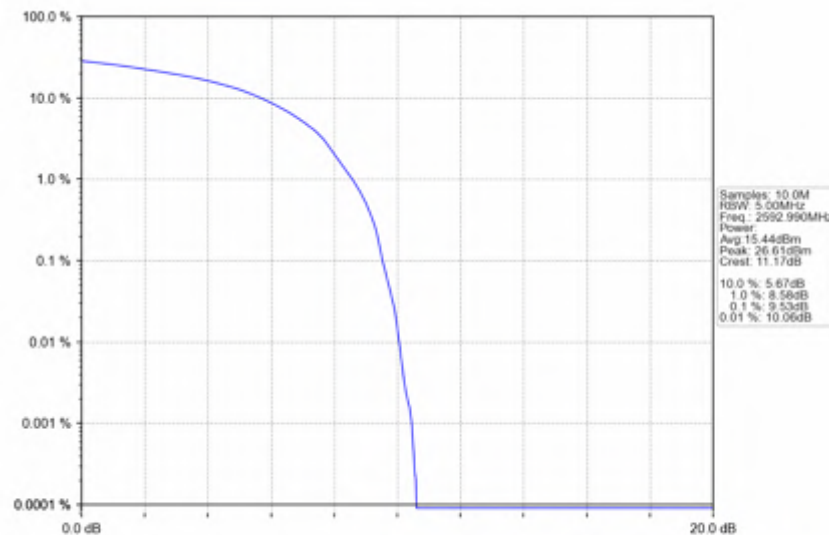
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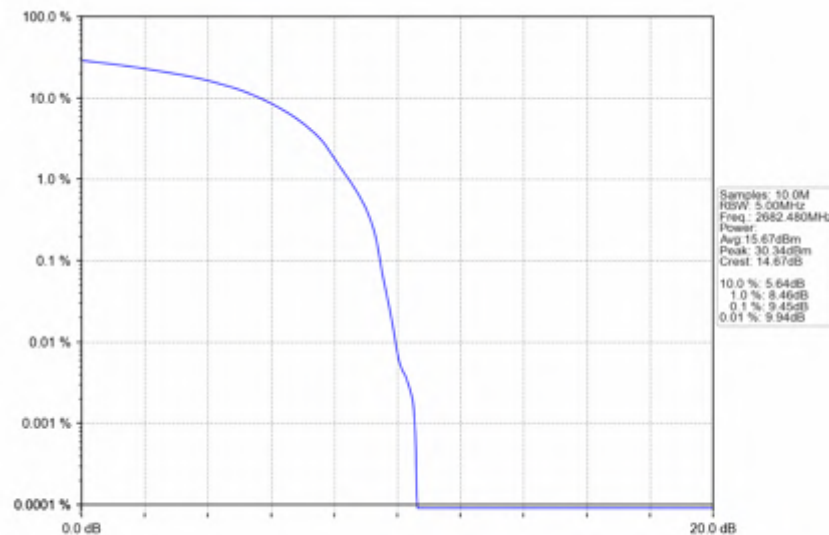
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n41_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_2682.48MHz_Outer_Full



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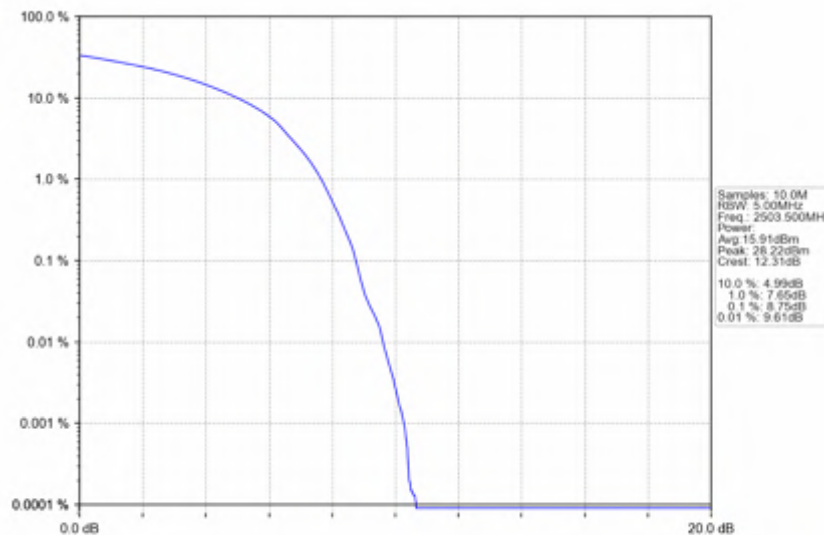
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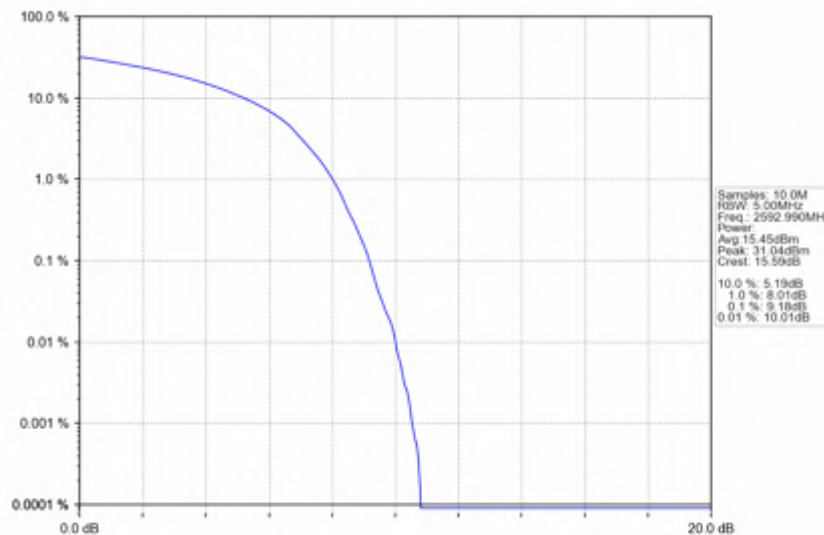
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n41_30kHz_SISO_NTV_15MHz_DFT-s-OFDM_16_QAM_2503.5MHz_Outer_Full



n41_30kHz_SISO_NTV_15MHz_DFT-s-OFDM_16_QAM_2592.99MHz_Outer_Full



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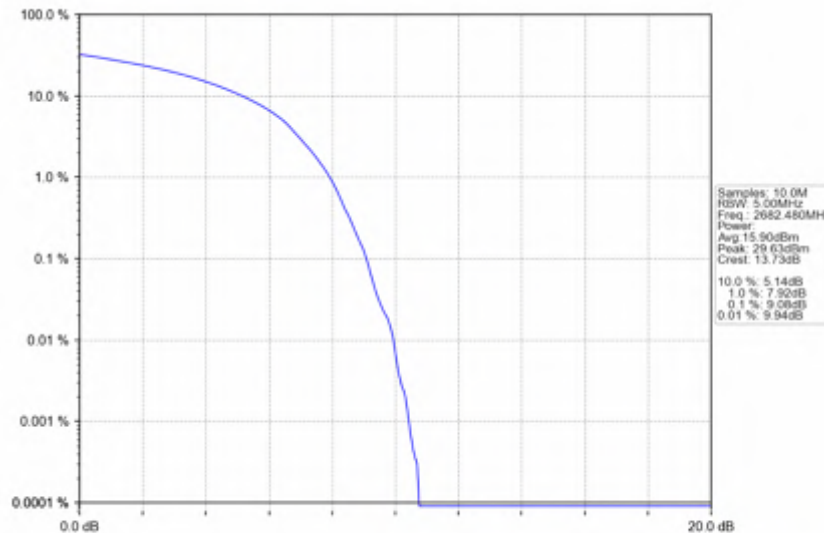
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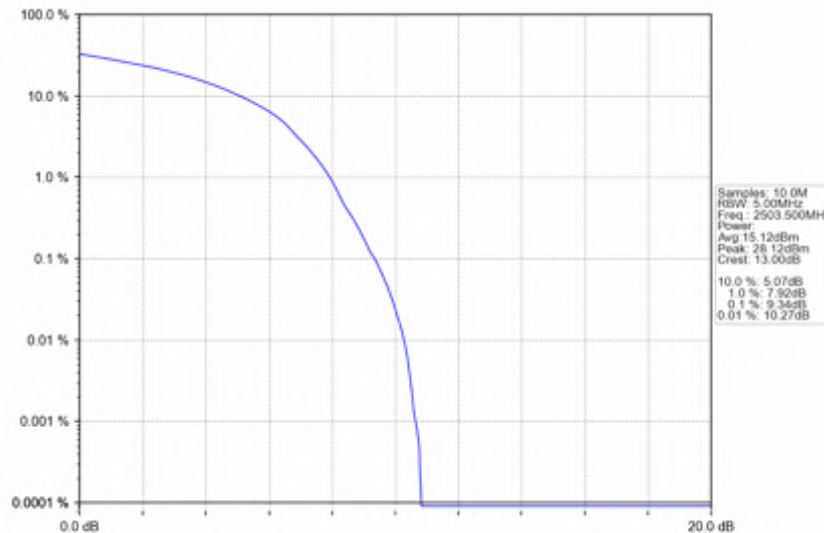
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n41_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_2503.5MHz_Outer_Full



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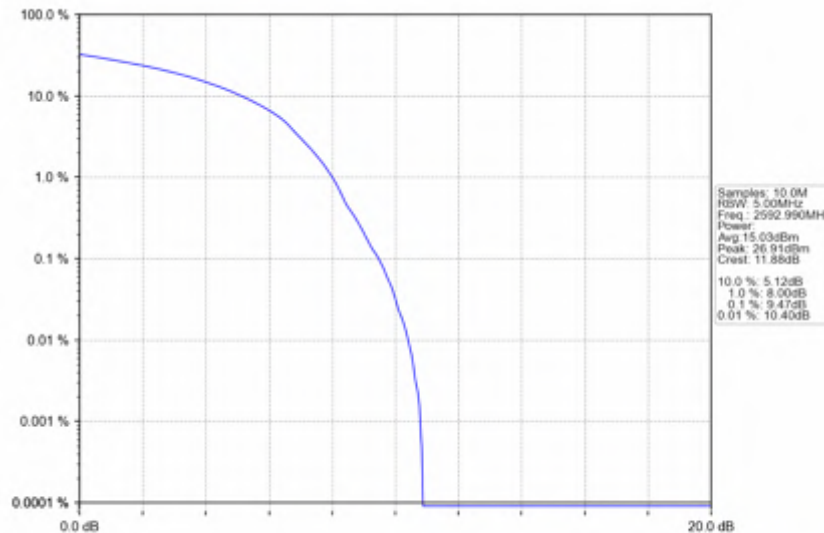
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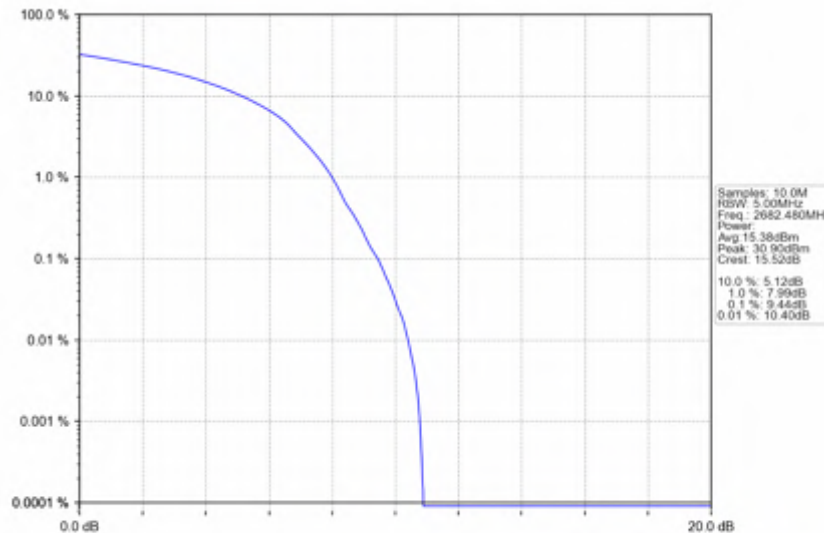
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n41_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_2592.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_2682.48MHz_Outer_Full



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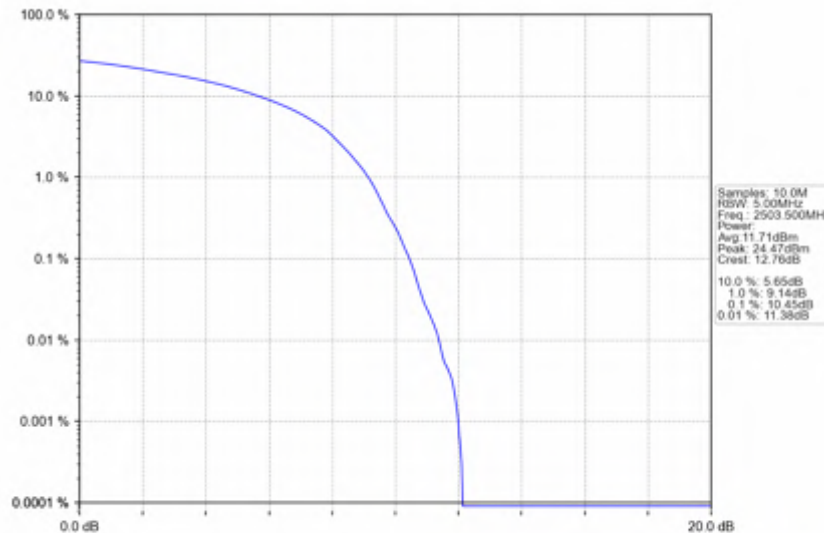
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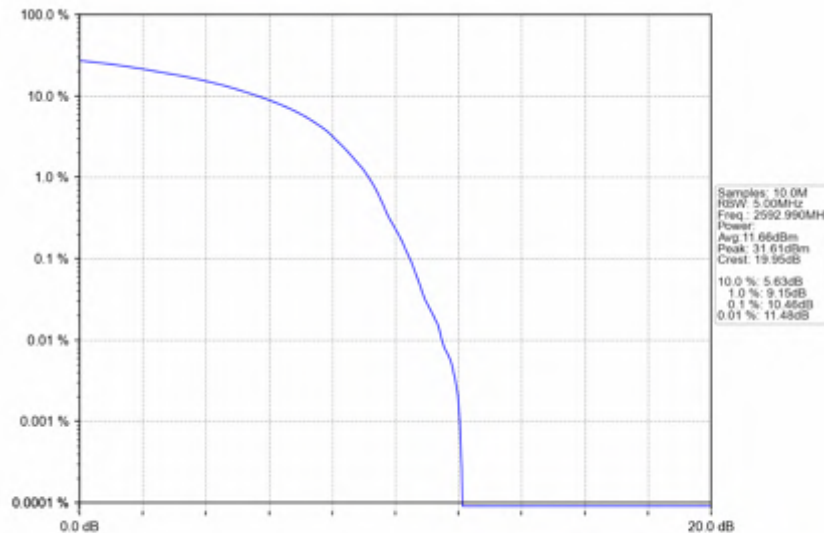
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n41_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_2503.5MHz_Outer_Full



n41_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_2592.99MHz_Outer_Full

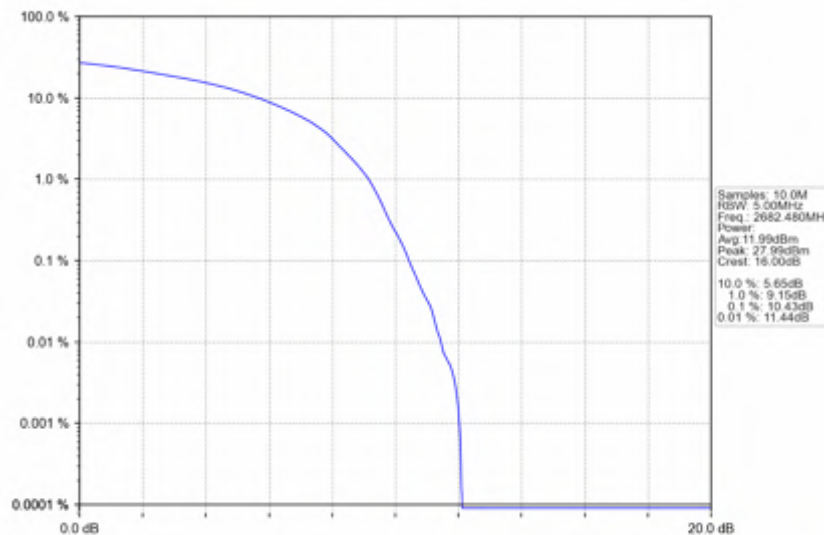


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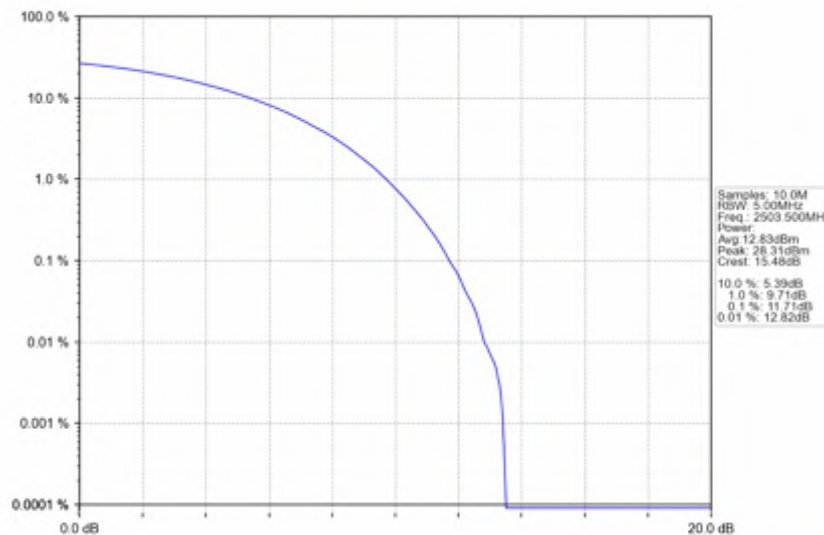
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n41_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM 256 QAM_2682.48MHz_Outer_Full



n41_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_2503.5MHz_Outer_Full

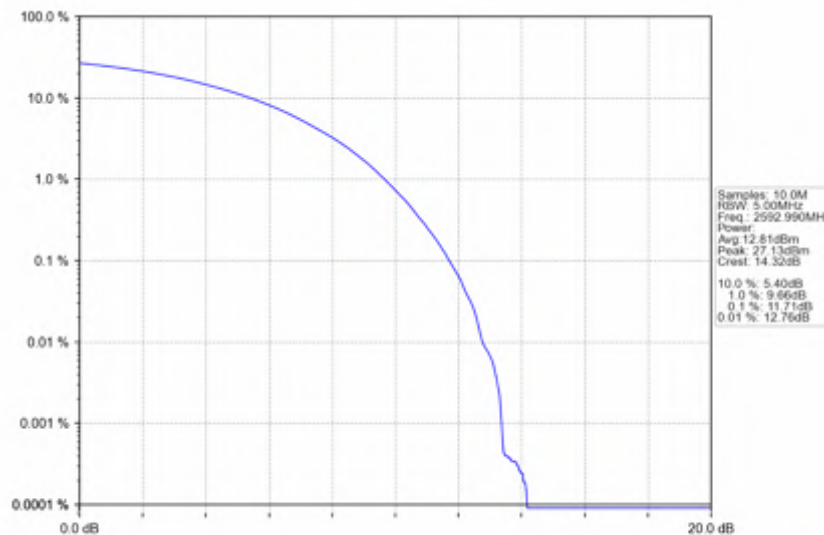


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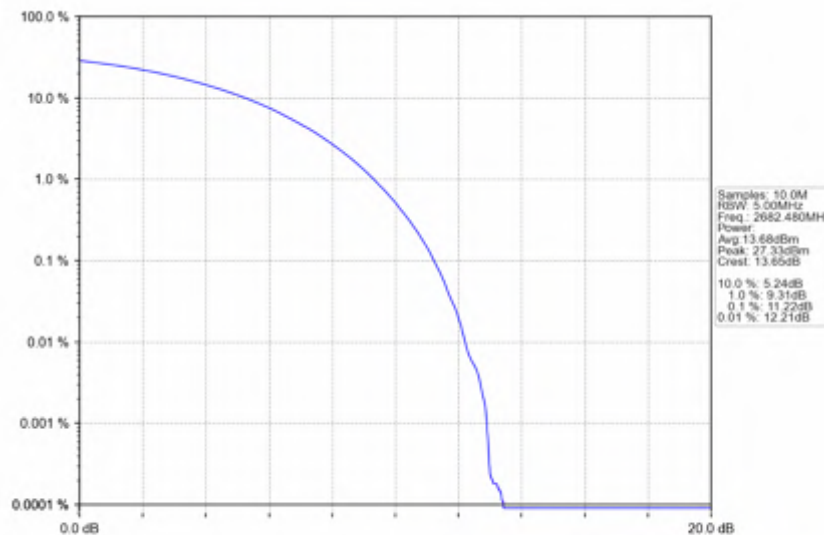
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n41_30kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_2592.99MHz_Outer_Full



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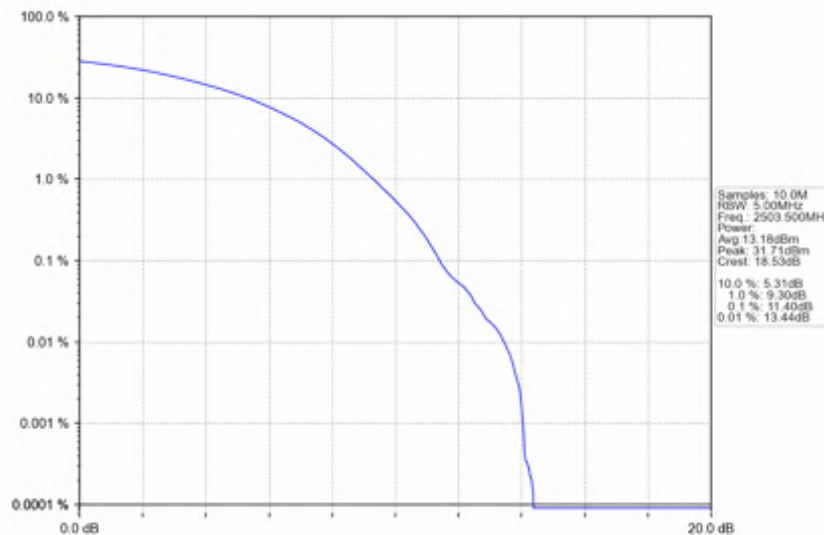
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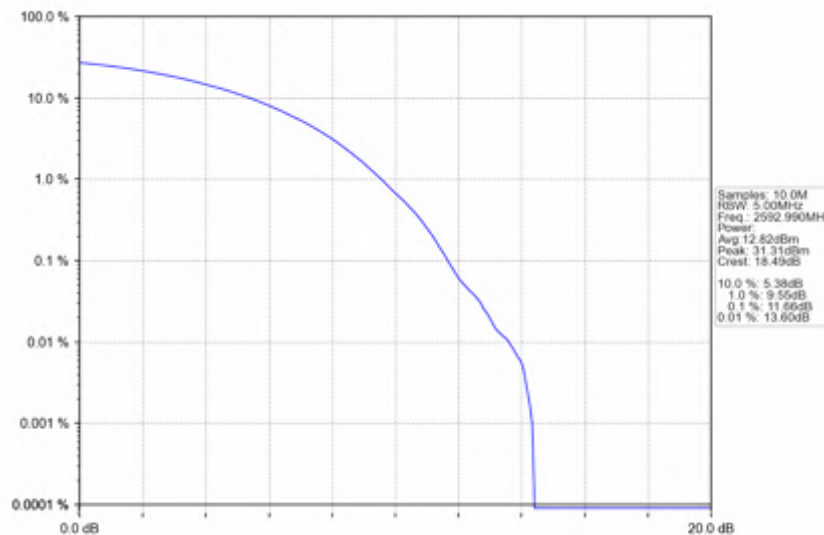
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n41_30kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_2592.99MHz_Outer_Full

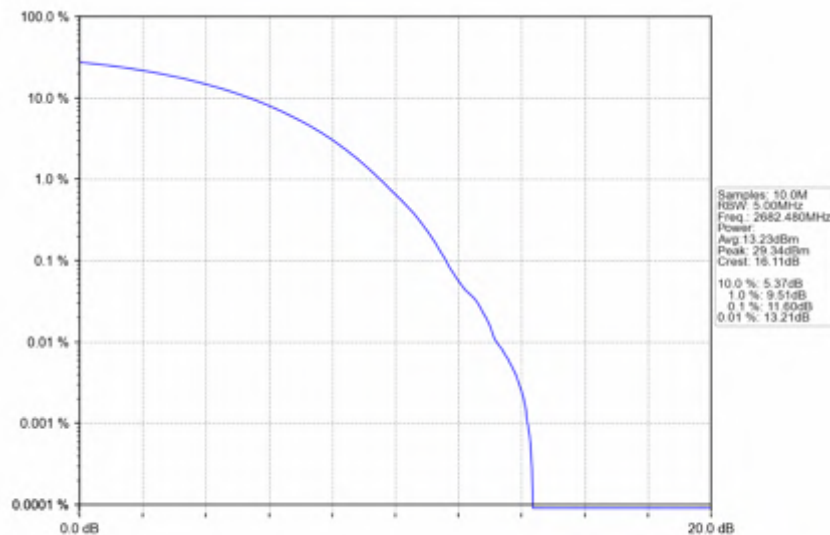


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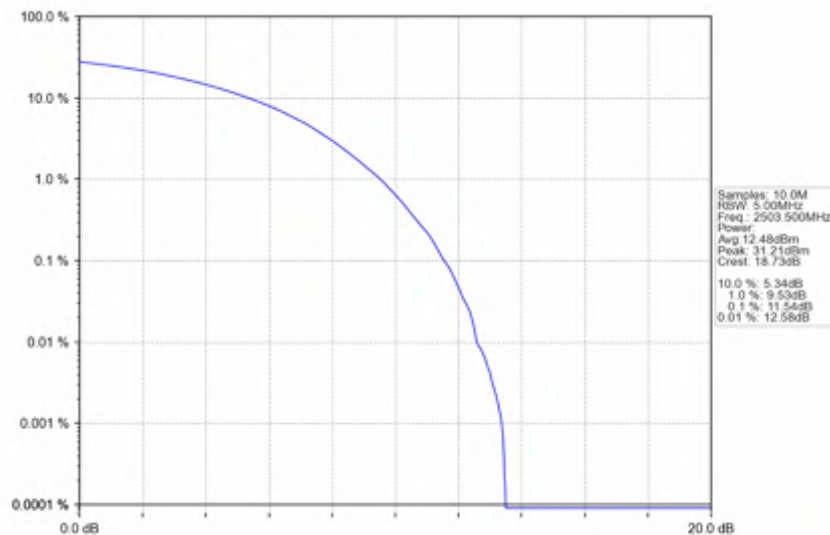
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n41_30kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_2682.48MHz_Outer_Full



n41_30kHz_SISO_NTNV_15MHz_CP-OFDM_64_QAM_2503.5MHz_Outer_Full

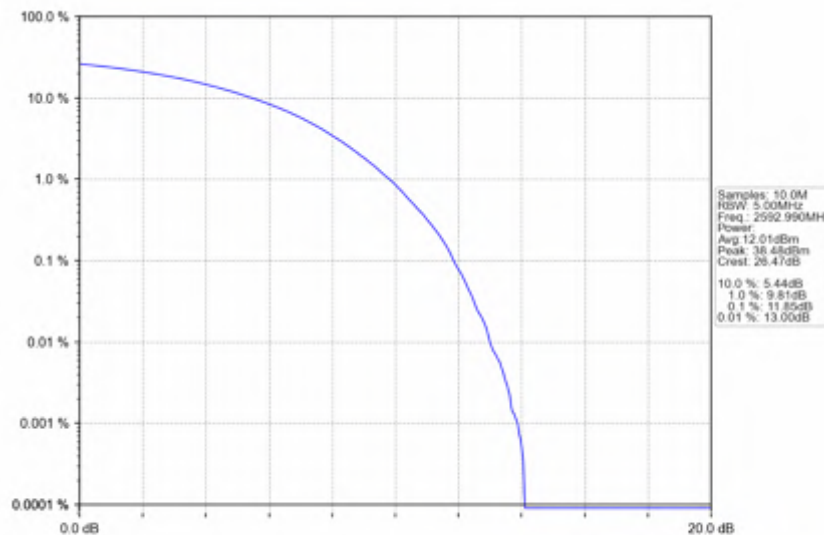


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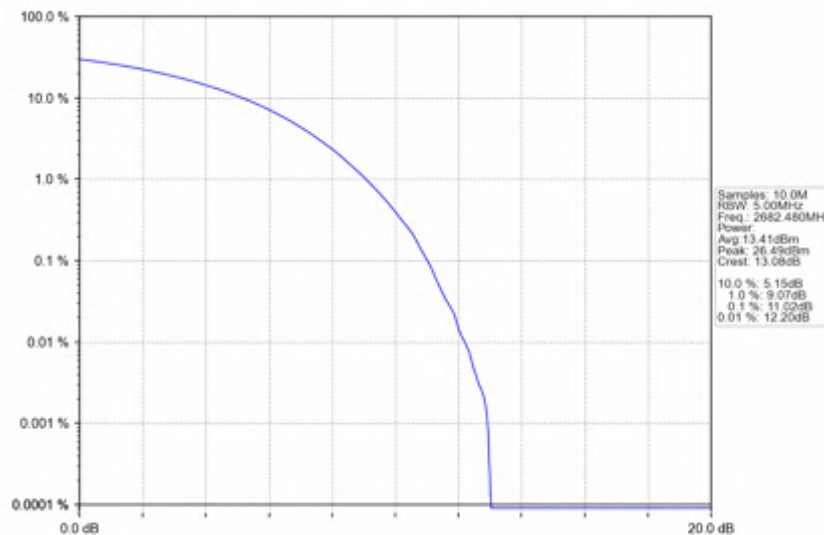
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n41_30kHz_SISO_NTNV_15MHz_CP-OFDM_64_QAM_2592.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_15MHz_CP-OFDM_64_QAM_2682.48MHz_Outer_Full



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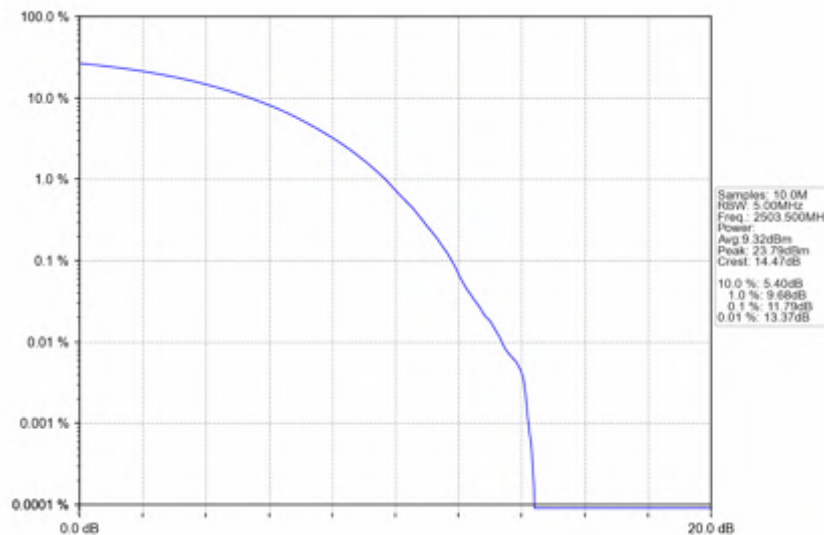
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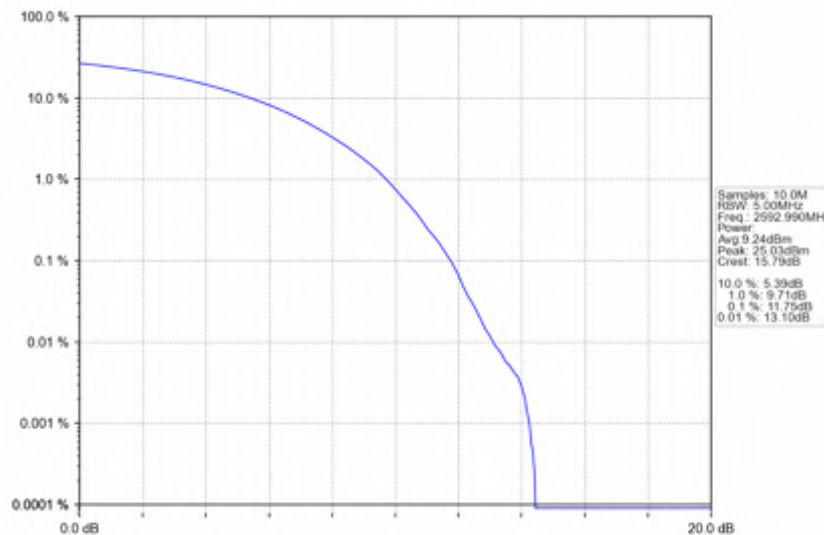
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n41	30kHz	SISO	NTNV	15MHz	CP-OFDM	256 QAM	2503.5MHz	Outer	Full
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n41_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full

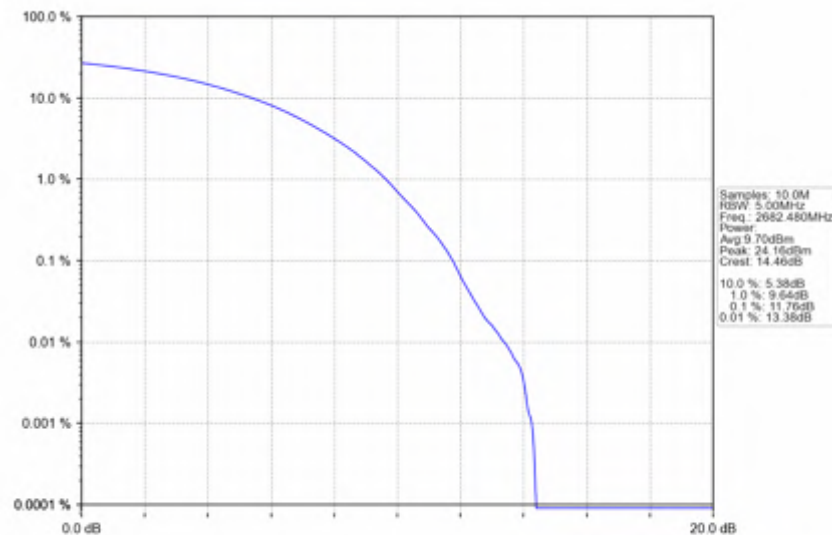


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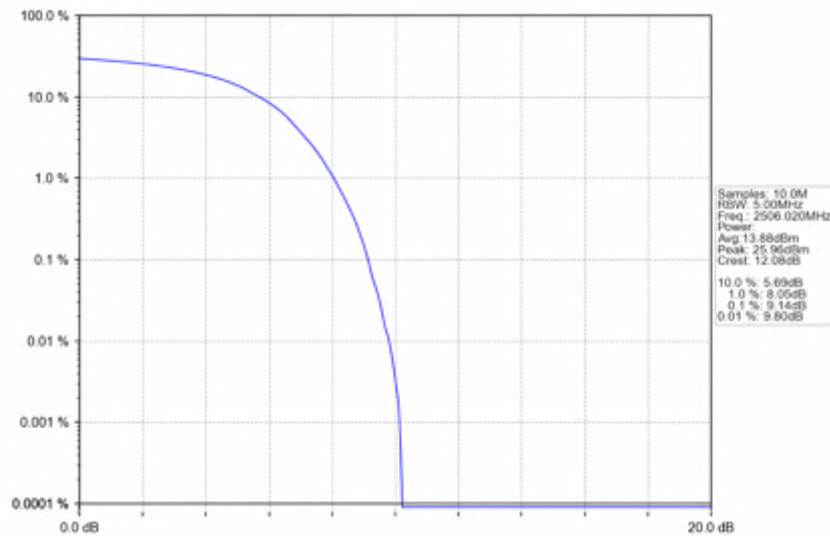
6.9 30k_SISO_20MHz_NTNV

6.9.1 Test Result

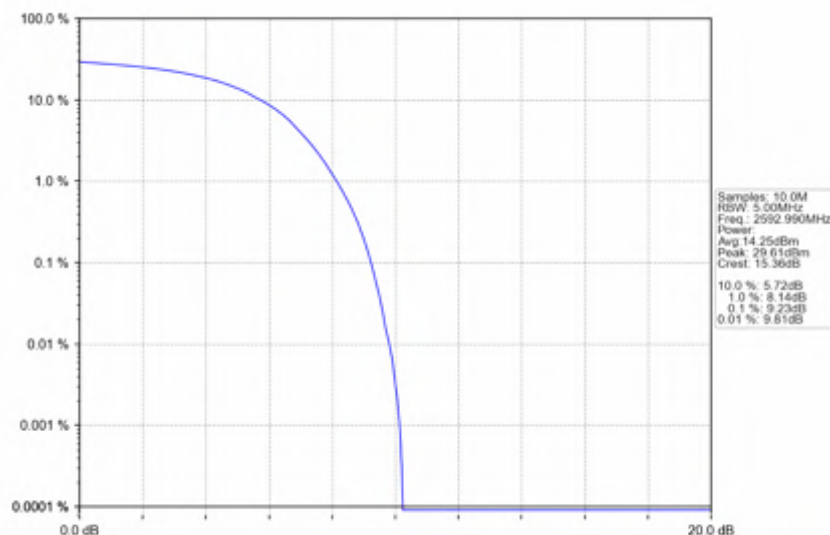
5G NR n41 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2506.02	Outer_Full	9.14	/	/	<=13	Pass
	2592.99	Outer_Full	9.23	/	/	<=13	Pass
	2679.99	Outer_Full	9.23	/	/	<=13	Pass
DFT-s-OFDM QPSK	2506.02	Outer_Full	10.51	/	/	<=13	Pass
	2592.99	Outer_Full	10.49	/	/	<=13	Pass
	2679.99	Outer_Full	10.16	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2506.02	Outer_Full	10.80	/	/	<=13	Pass
	2592.99	Outer_Full	10.46	/	/	<=13	Pass
	2679.99	Outer_Full	9.70	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2506.02	Outer_Full	10.98	/	/	<=13	Pass
	2592.99	Outer_Full	10.54	/	/	<=13	Pass
	2679.99	Outer_Full	9.55	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2506.02	Outer_Full	10.83	/	/	<=13	Pass
	2592.99	Outer_Full	10.76	/	/	<=13	Pass
	2679.99	Outer_Full	10.85	/	/	<=13	Pass
CP-OFDM QPSK	2506.02	Outer_Full	11.70	/	/	<=13	Pass
	2592.99	Outer_Full	11.80	/	/	<=13	Pass
	2679.99	Outer_Full	11.71	/	/	<=13	Pass
CP-OFDM 16 QAM	2506.02	Outer_Full	11.60	/	/	<=13	Pass
	2592.99	Outer_Full	11.79	/	/	<=13	Pass
	2679.99	Outer_Full	11.66	/	/	<=13	Pass
CP-OFDM 64 QAM	2506.02	Outer_Full	11.82	/	/	<=13	Pass
	2592.99	Outer_Full	11.70	/	/	<=13	Pass
	2679.99	Outer_Full	11.89	/	/	<=13	Pass
CP-OFDM 256 QAM	2506.02	Outer_Full	11.85	/	/	<=13	Pass
	2592.99	Outer_Full	11.99	/	/	<=13	Pass
	2679.99	Outer_Full	11.89	/	/	<=13	Pass

6.9.2 Test Graph

n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_2506.02MHz_Outer_Full



n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_2592.99MHz_Outer_Full

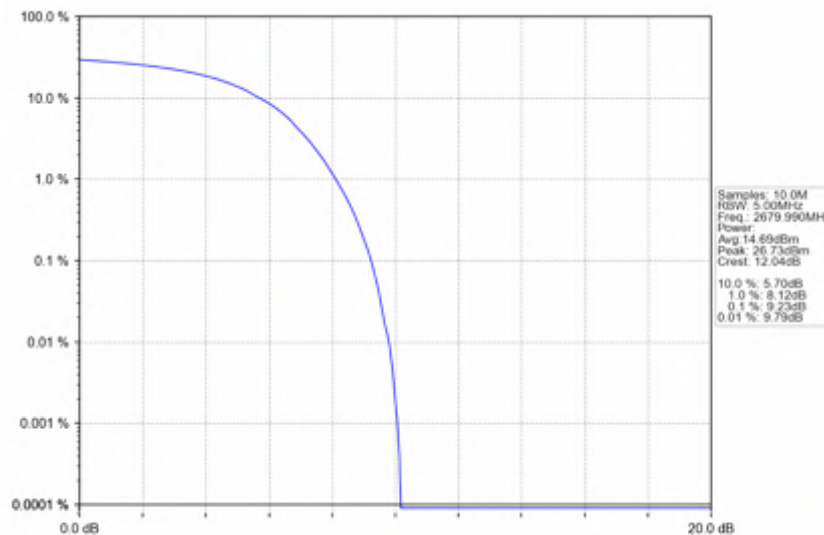


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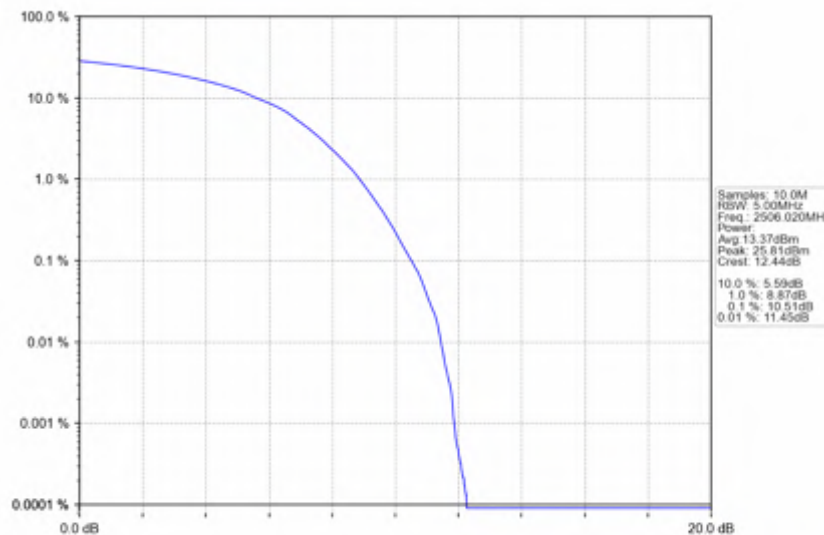
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n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_2506.02MHz_Outer_Full



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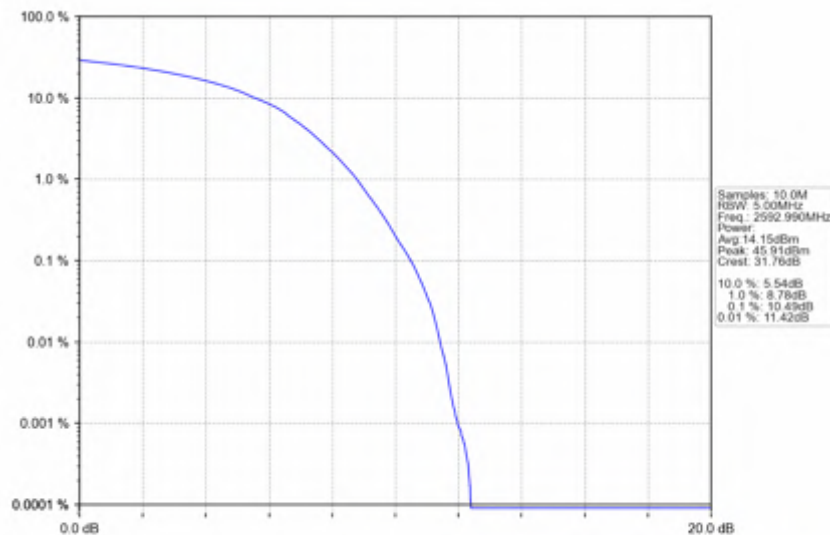
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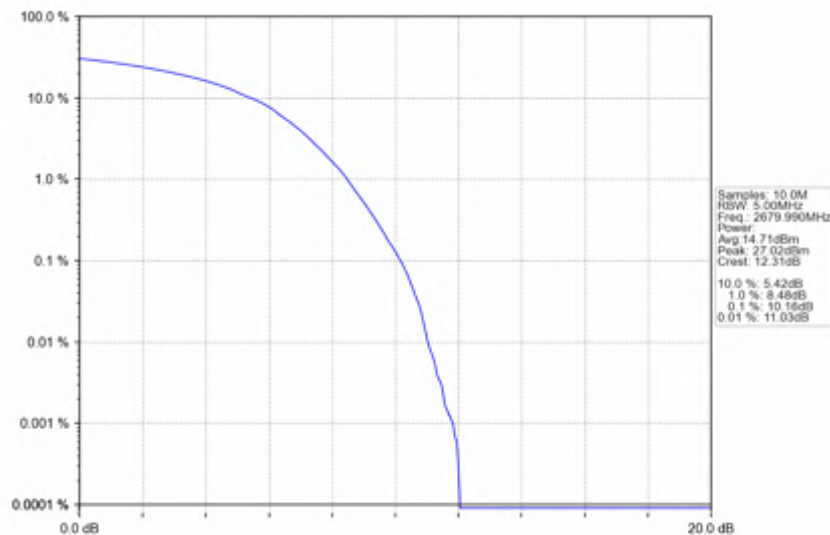
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n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_2592.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_2679.99MHz_Outer_Full



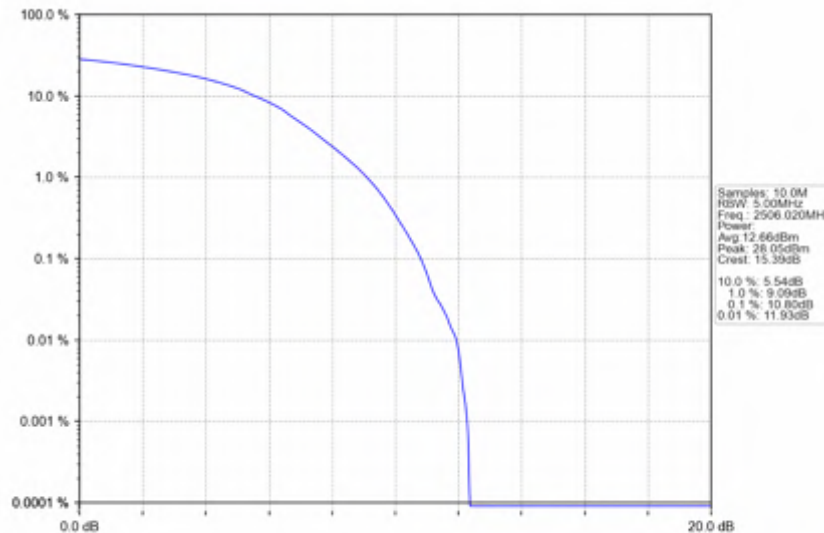
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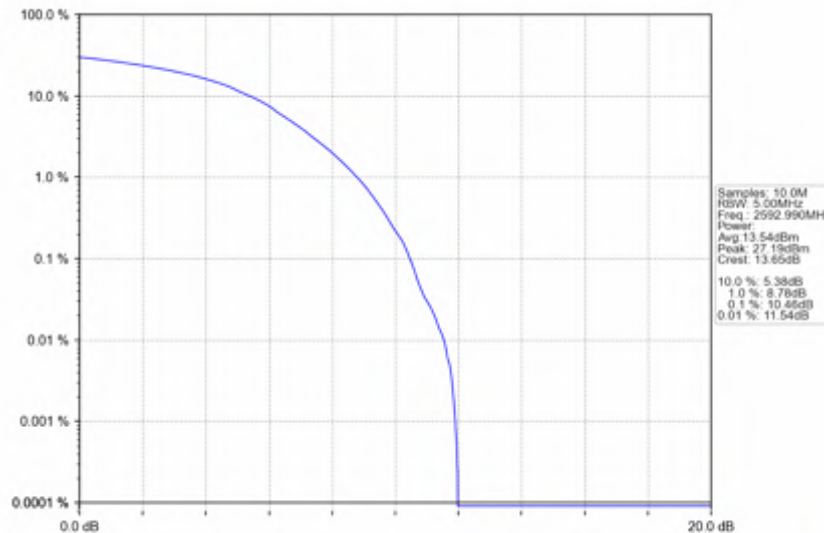
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n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_2506.02MHz_Outer_Full



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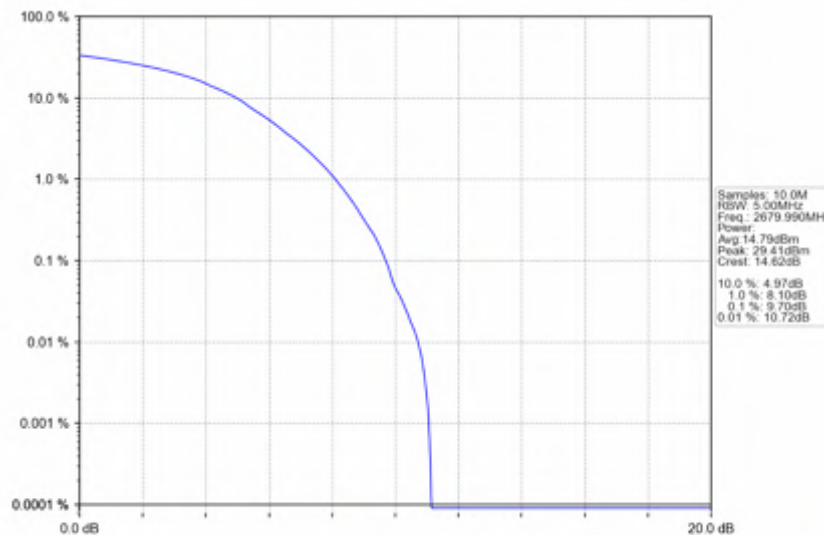
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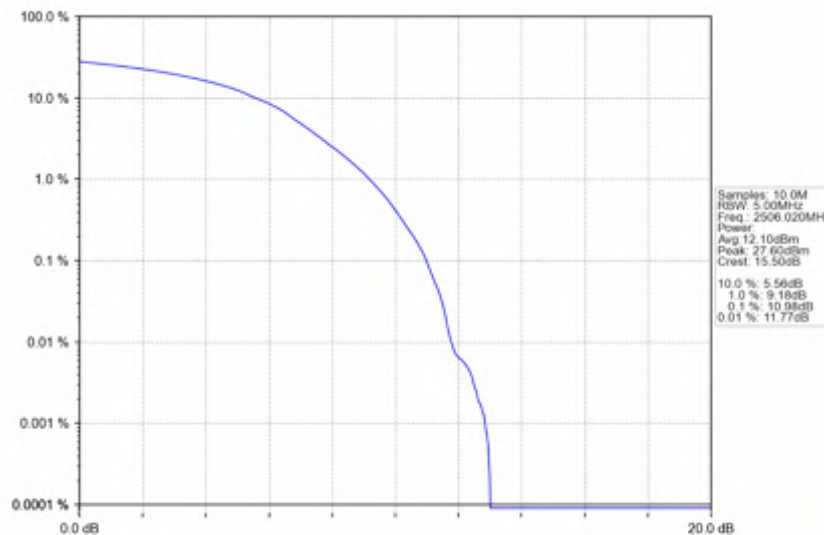
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n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_2679.99MHz_Outer_Full



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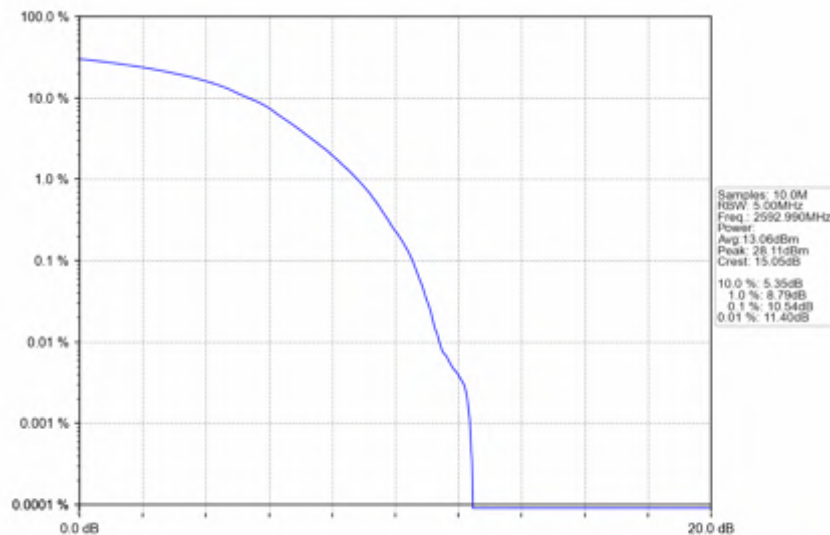
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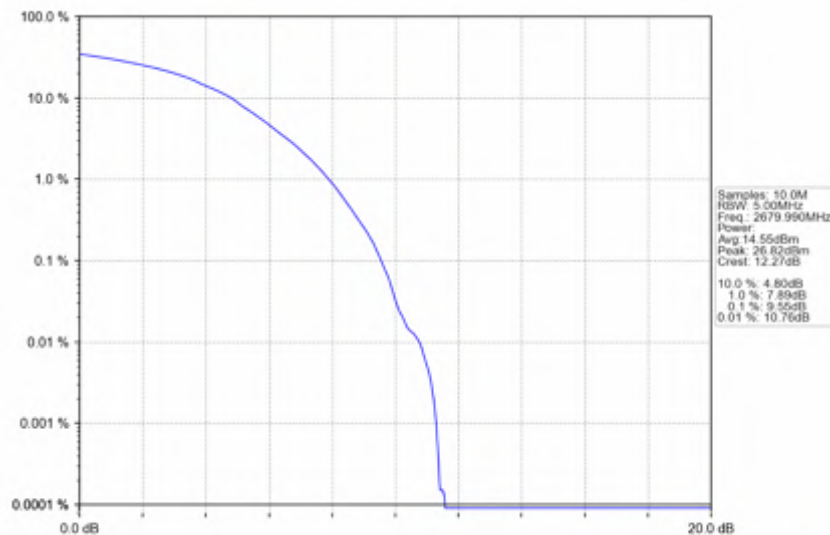
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n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_2592.99MHz_Outer_Full



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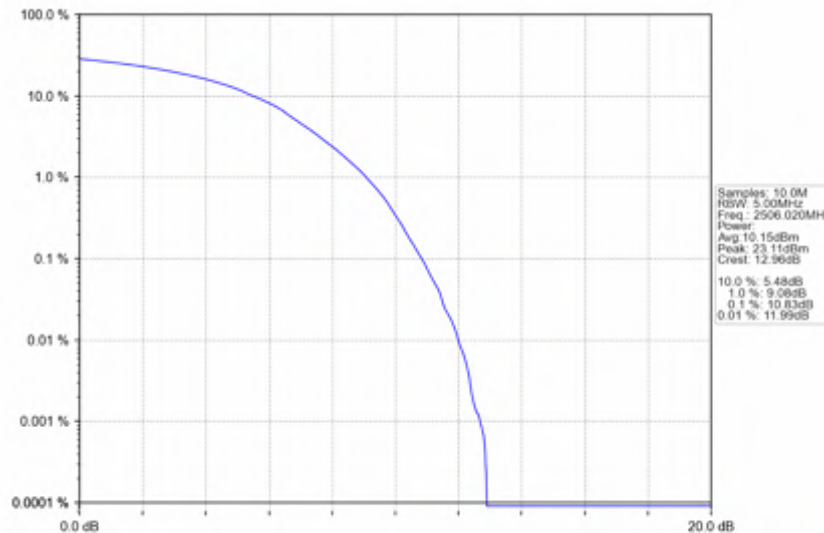
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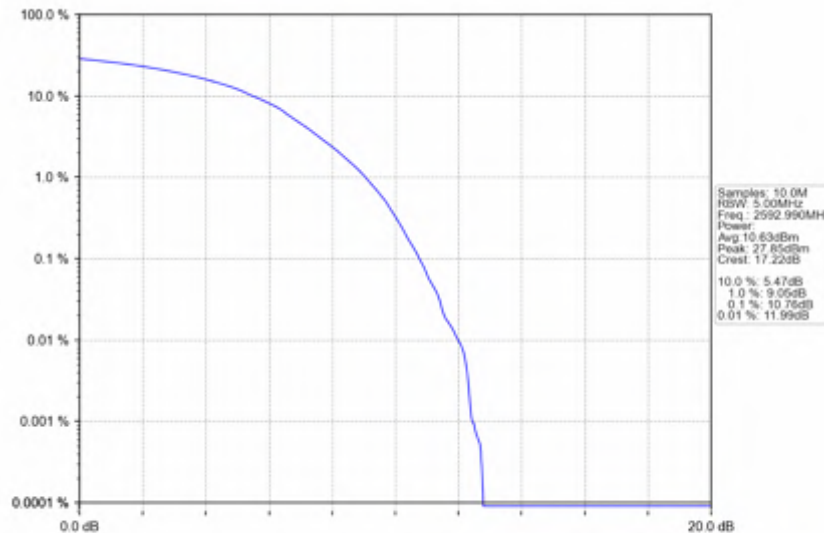
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n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_2506.02MHz_Outer_Full



n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_2592.99MHz_Outer_Full



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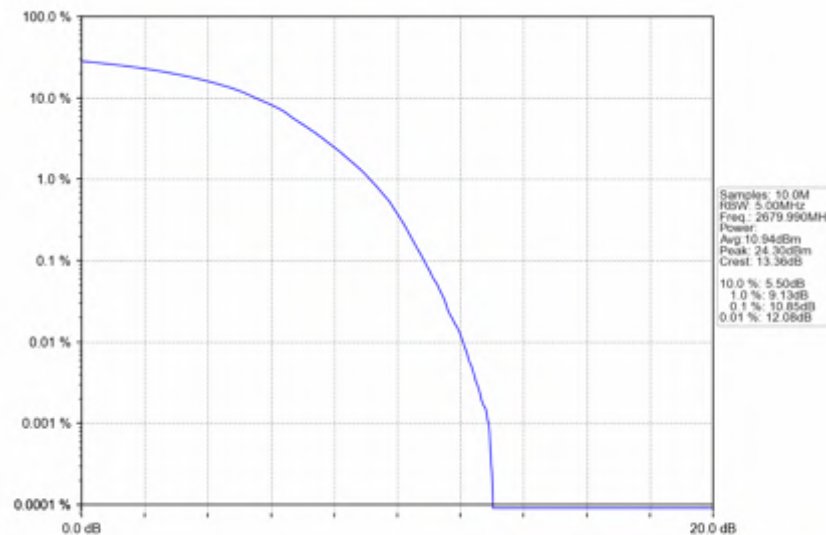
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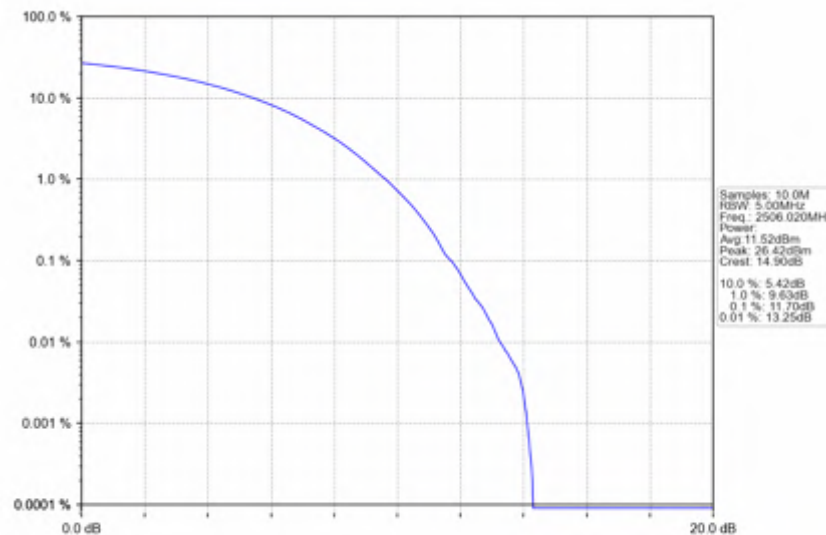
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n41_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_2506.02MHz_Outer_Full

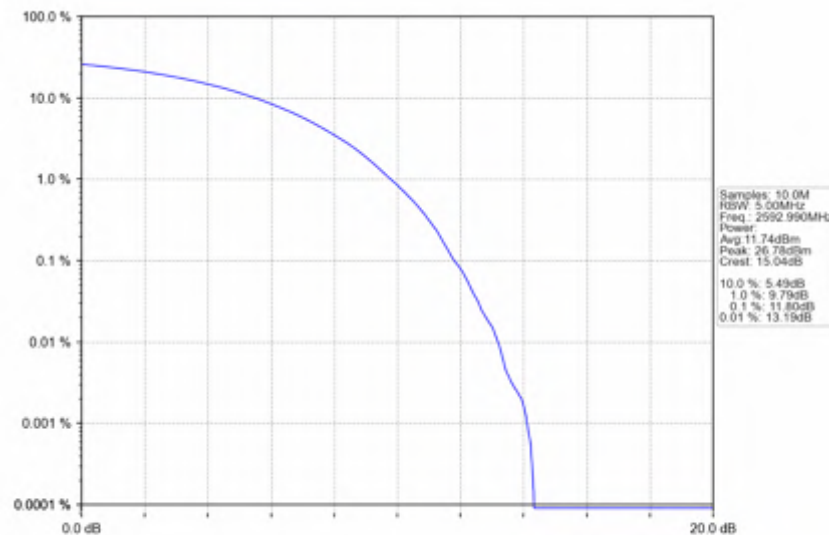


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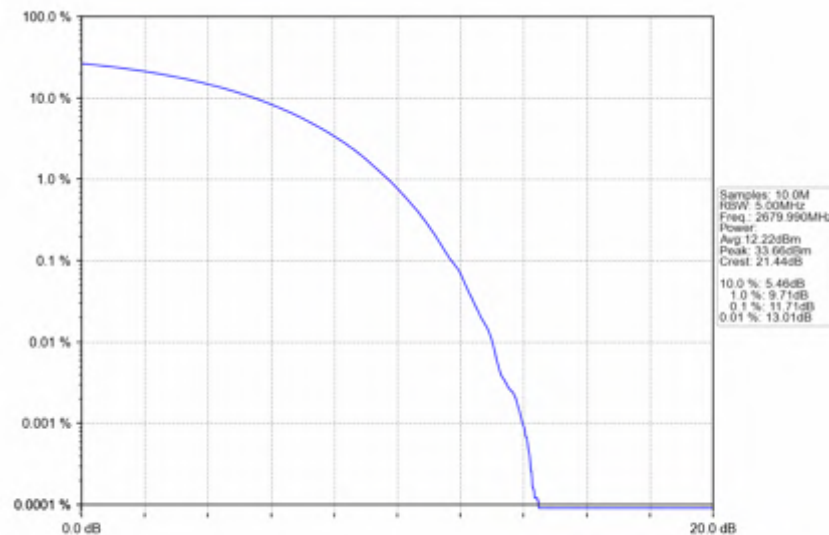
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n41_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_2592.99MHz_Outer_Full



n41	30kHz	SISO	NTNV	20MHz	CP-OFDM	QPSK	2679.99MHz	Outer	Full
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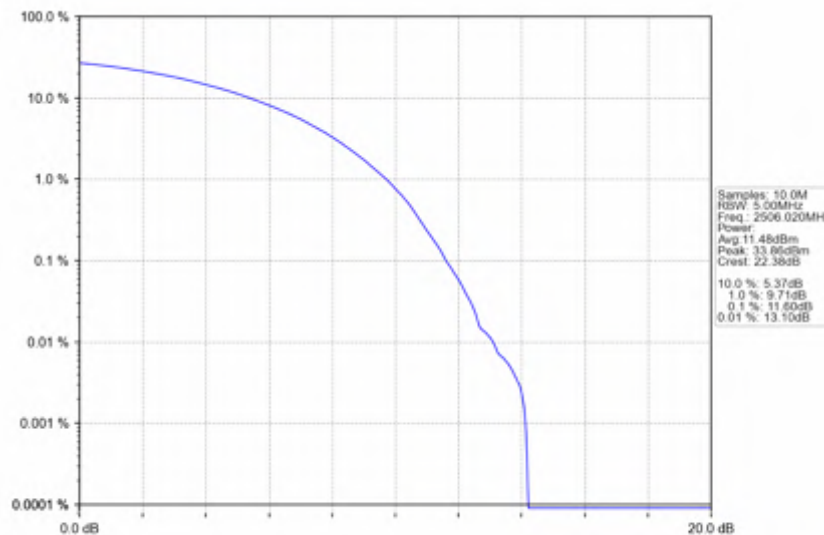


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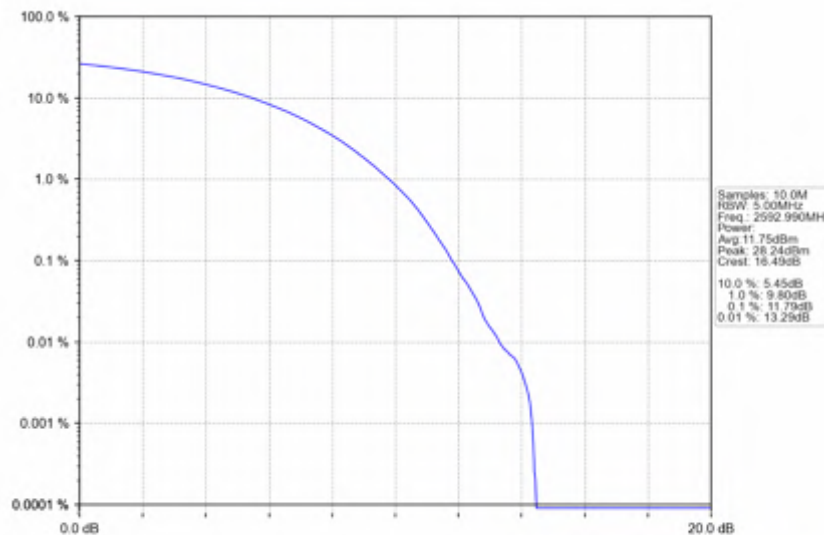
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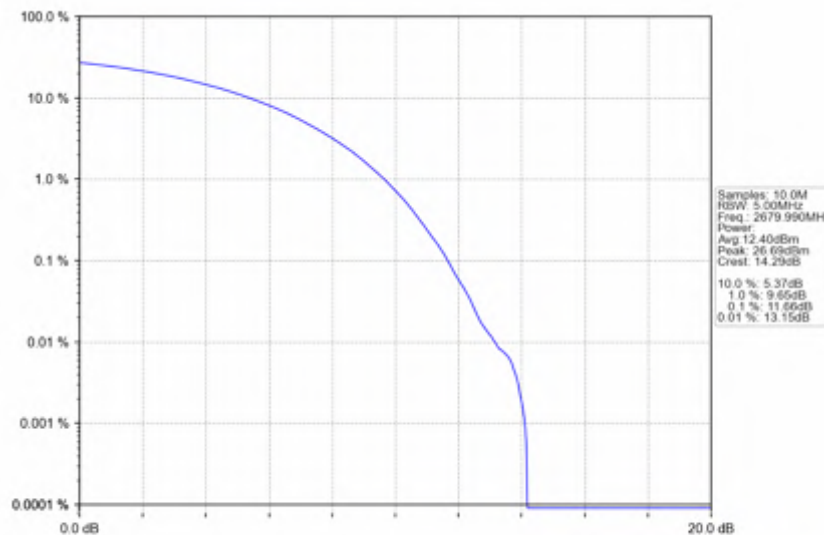
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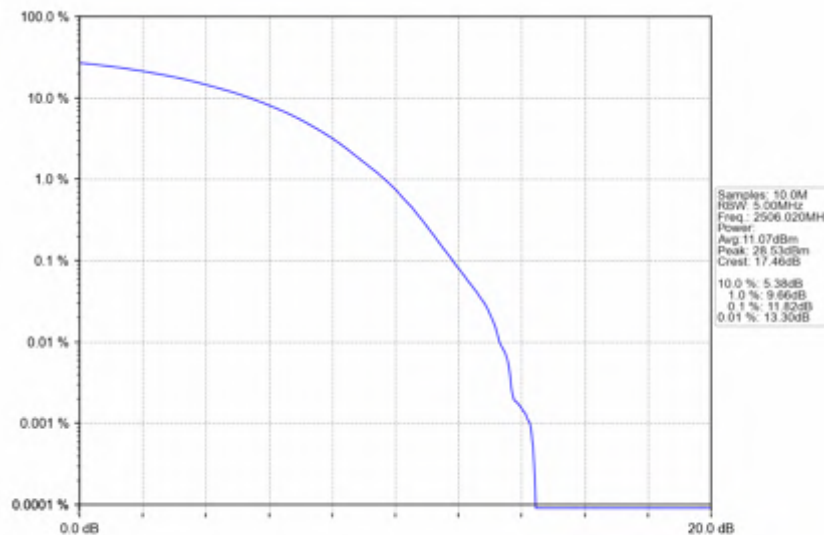
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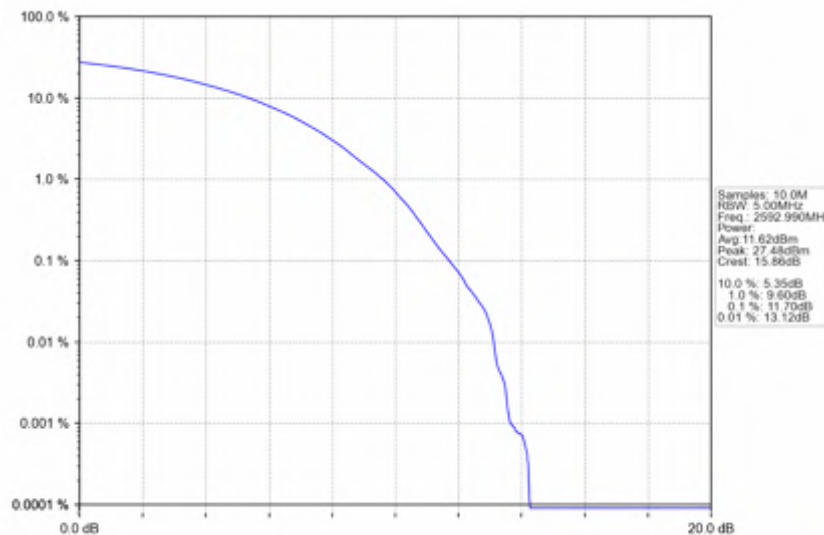
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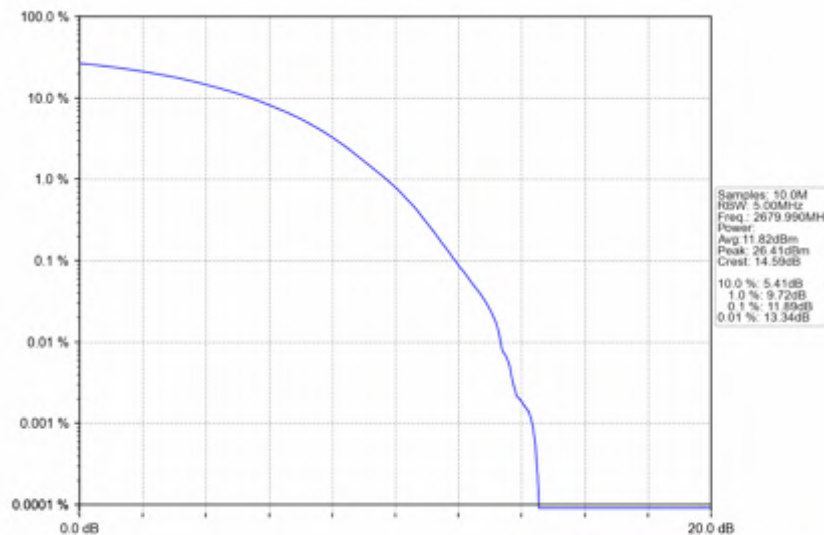
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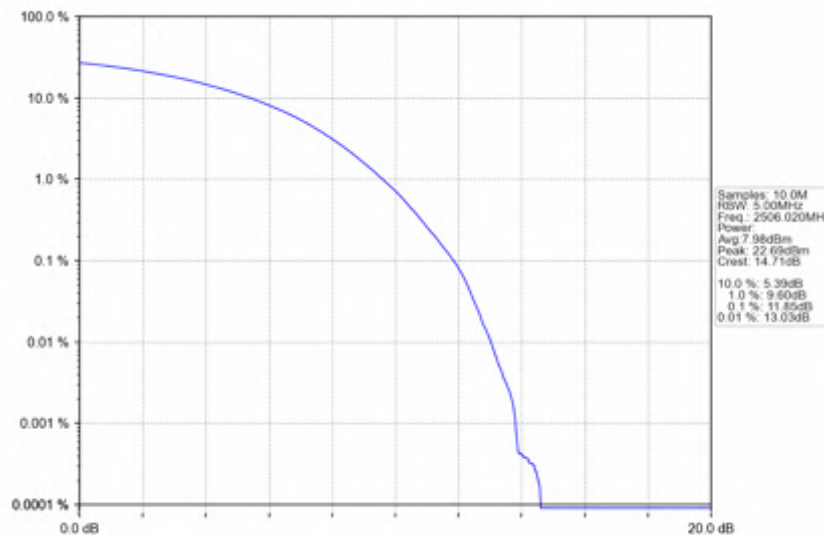
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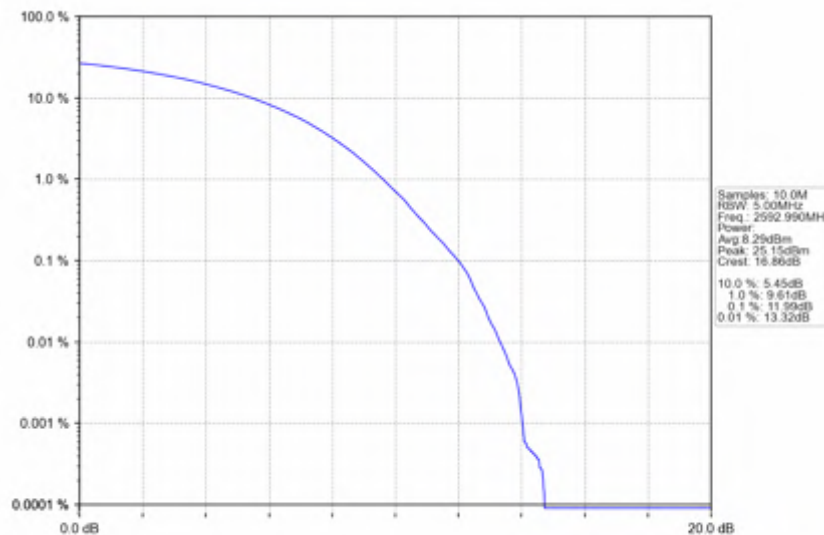
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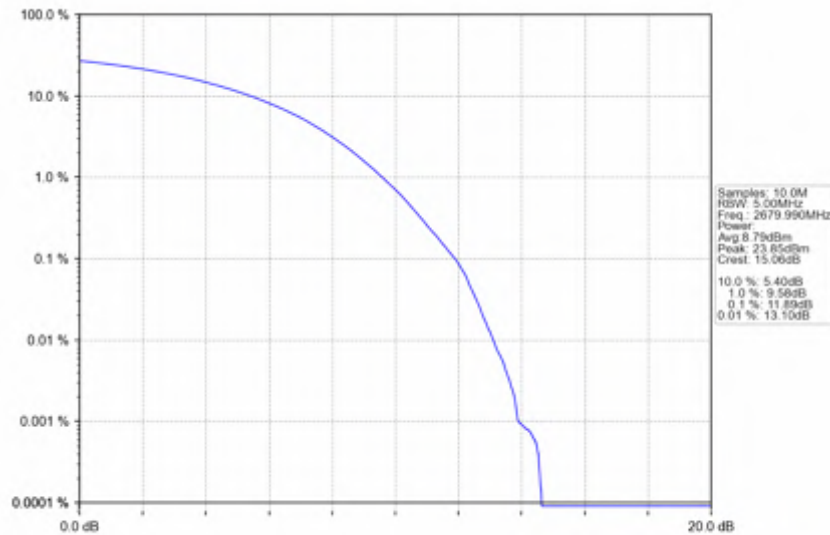
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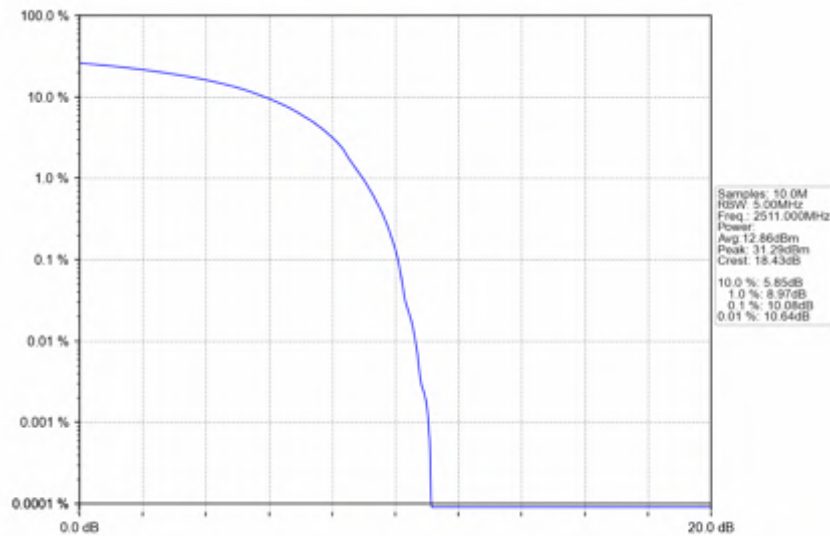
6.10 30k_SISO_30MHz_NTNV

6.10.1 Test Result

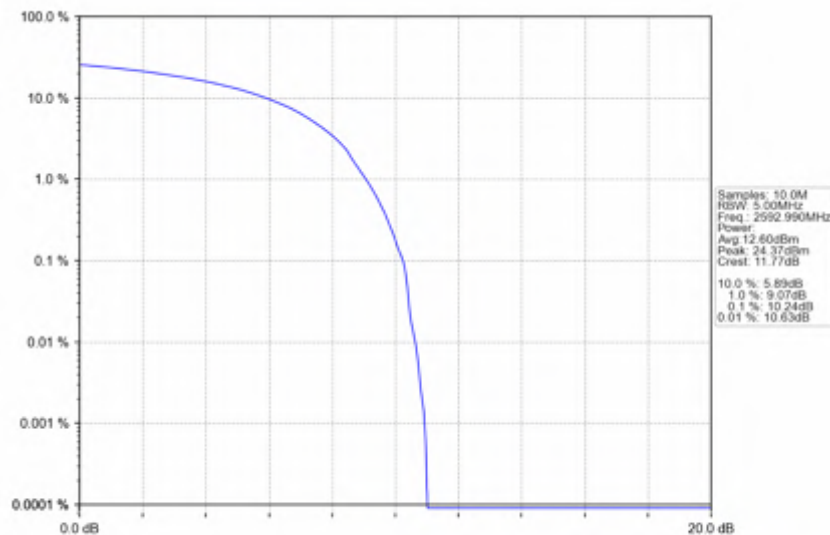
5G NR n41 SCS=30kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2511	Outer_Full	10.08	/	/	<=13	Pass
	2592.99	Outer_Full	10.24	/	/	<=13	Pass
	2674.98	Outer_Full	10.15	/	/	<=13	Pass
DFT-s-OFDM QPSK	2511	Outer_Full	10.83	/	/	<=13	Pass
	2592.99	Outer_Full	10.83	/	/	<=13	Pass
	2674.98	Outer_Full	10.90	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2511	Outer_Full	11.01	/	/	<=13	Pass
	2592.99	Outer_Full	11.07	/	/	<=13	Pass
	2674.98	Outer_Full	11.11	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2511	Outer_Full	10.96	/	/	<=13	Pass
	2592.99	Outer_Full	10.95	/	/	<=13	Pass
	2674.98	Outer_Full	10.97	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2511	Outer_Full	11.29	/	/	<=13	Pass
	2592.99	Outer_Full	11.25	/	/	<=13	Pass
	2674.98	Outer_Full	11.28	/	/	<=13	Pass
CP-OFDM QPSK	2511	Outer_Full	11.75	/	/	<=13	Pass
	2592.99	Outer_Full	11.21	/	/	<=13	Pass
	2674.98	Outer_Full	11.30	/	/	<=13	Pass
CP-OFDM 16 QAM	2511	Outer_Full	11.82	/	/	<=13	Pass
	2592.99	Outer_Full	11.55	/	/	<=13	Pass
	2674.98	Outer_Full	11.77	/	/	<=13	Pass
CP-OFDM 64 QAM	2511	Outer_Full	11.69	/	/	<=13	Pass
	2592.99	Outer_Full	11.93	/	/	<=13	Pass
	2674.98	Outer_Full	12.07	/	/	<=13	Pass
CP-OFDM 256 QAM	2511	Outer_Full	11.69	/	/	<=13	Pass
	2592.99	Outer_Full	11.68	/	/	<=13	Pass
	2674.98	Outer_Full	11.73	/	/	<=13	Pass

6.10.2 Test Graph

n41_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_PI/2_BPSK_2511MHz_Outer_Full



n41_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_PI/2_BPSK_2592.99MHz_Outer_Full



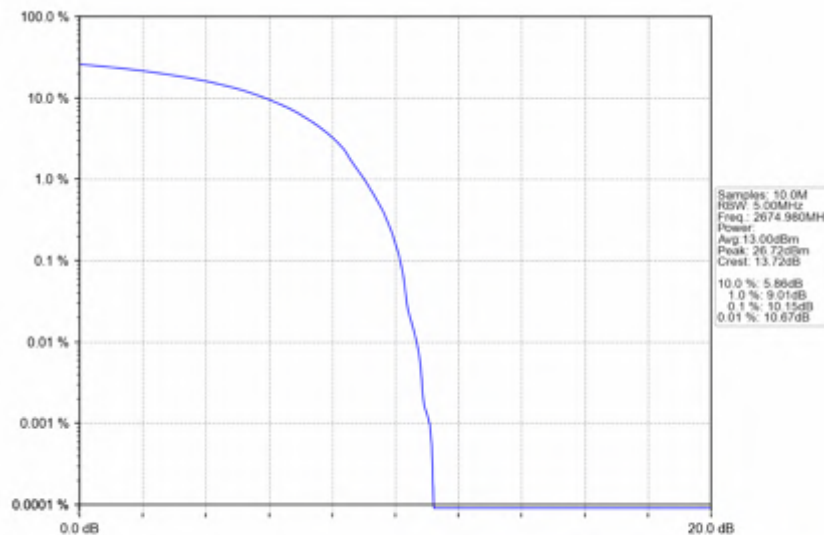
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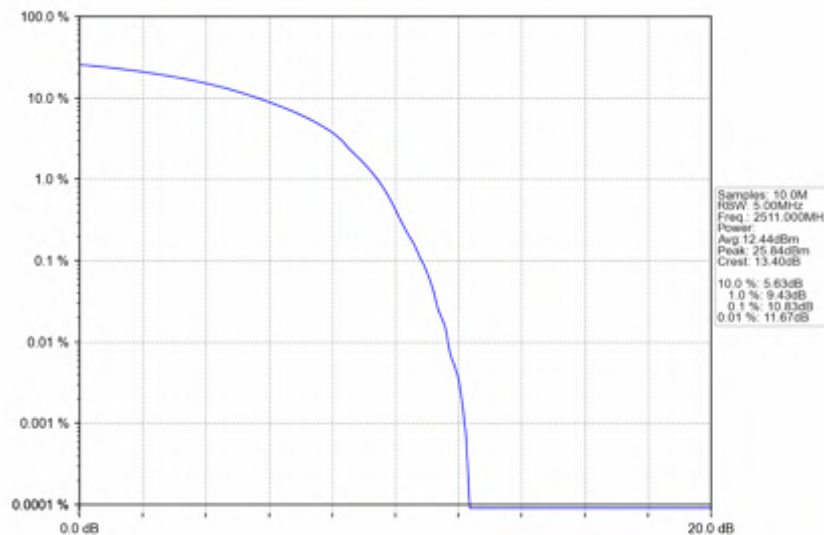
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n41_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_2511MHz_Outer_Full

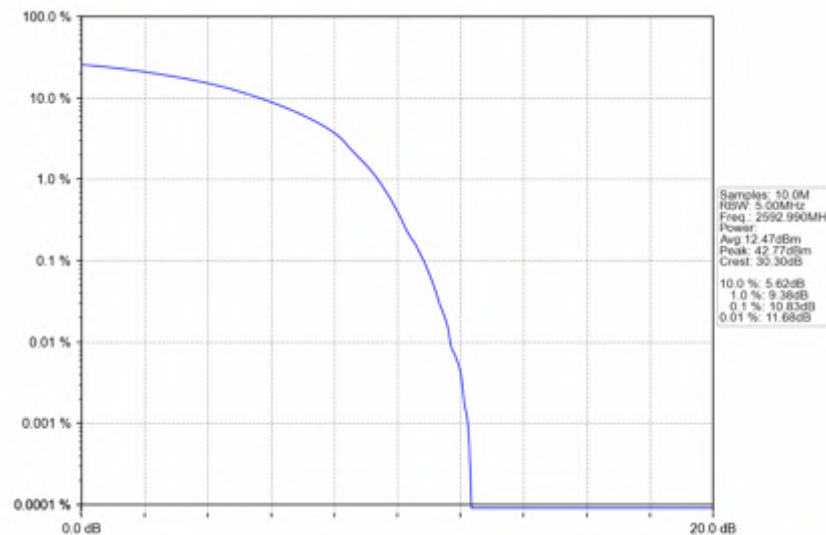


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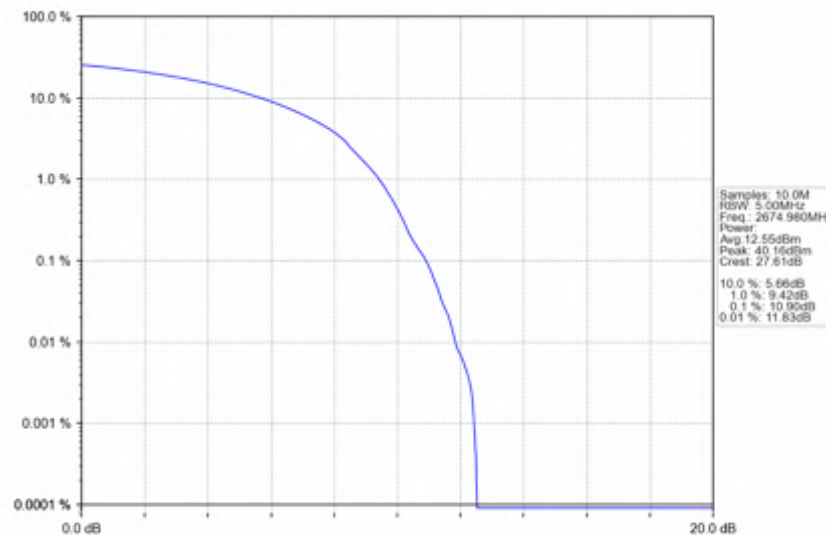
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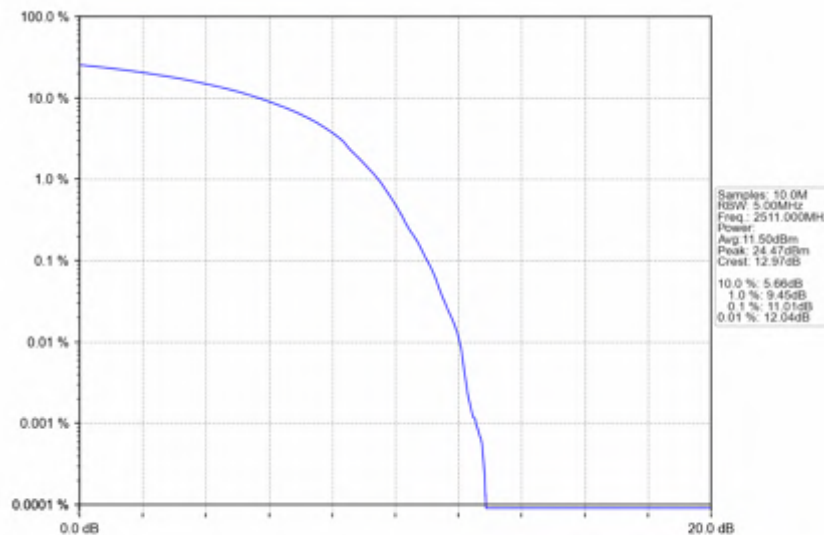
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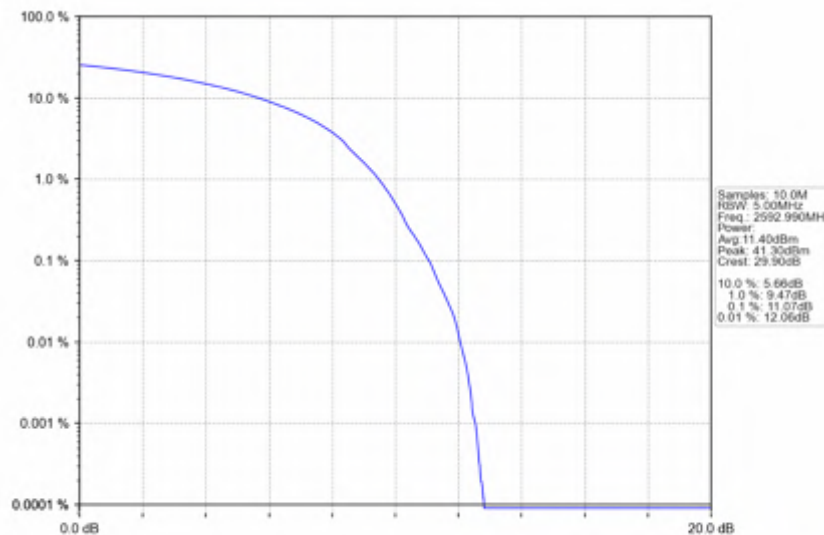
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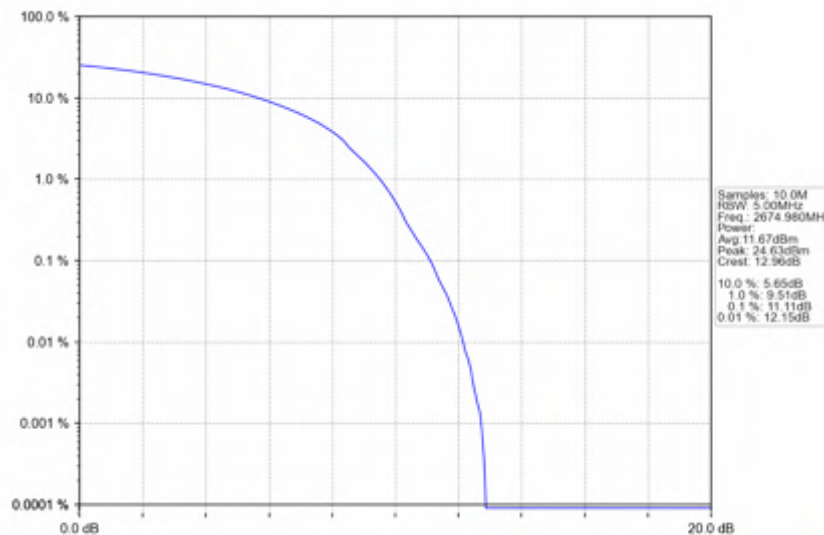


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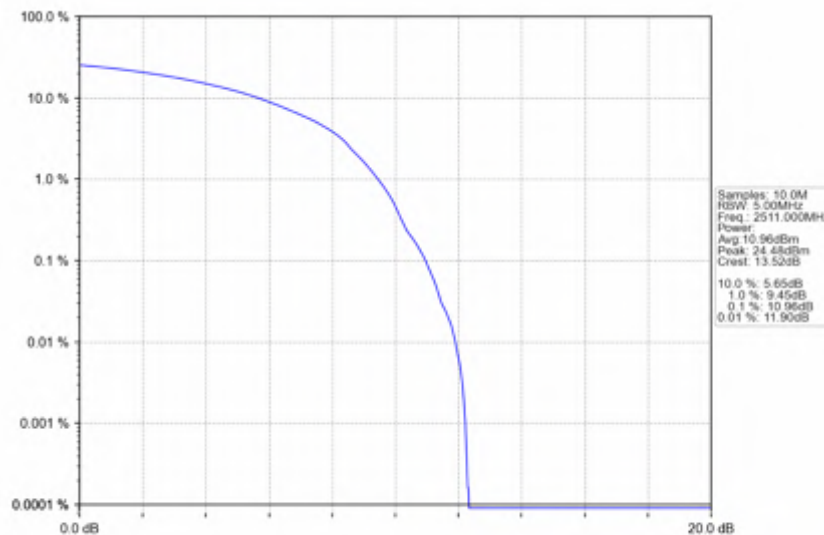
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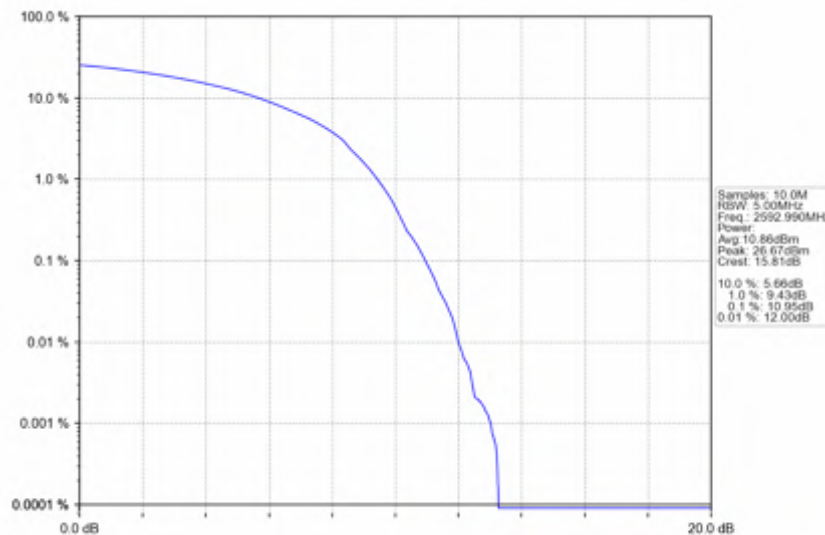
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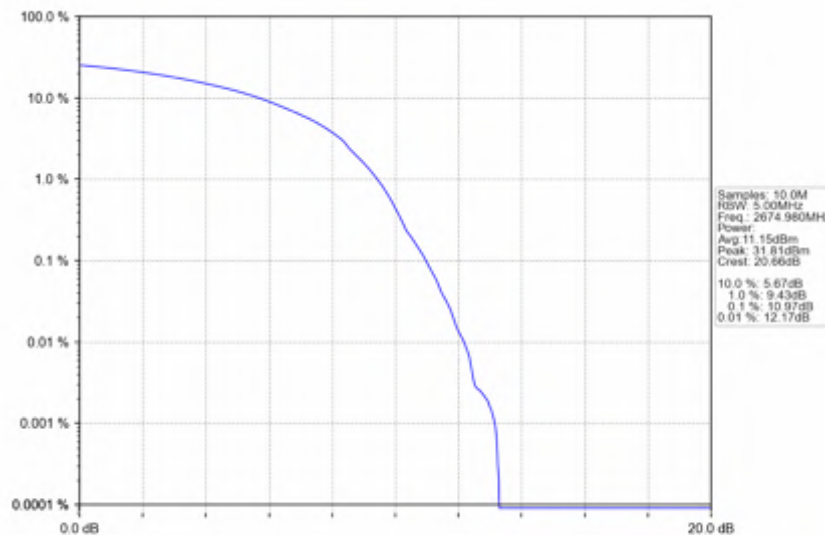
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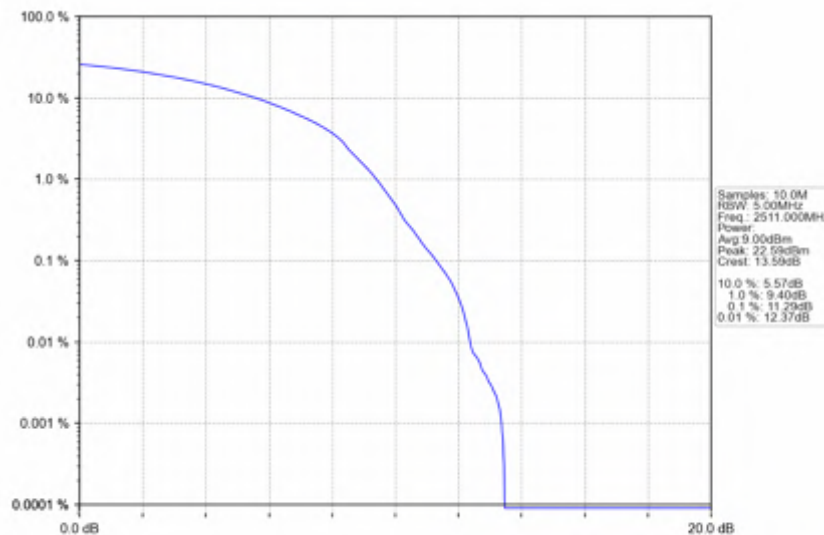


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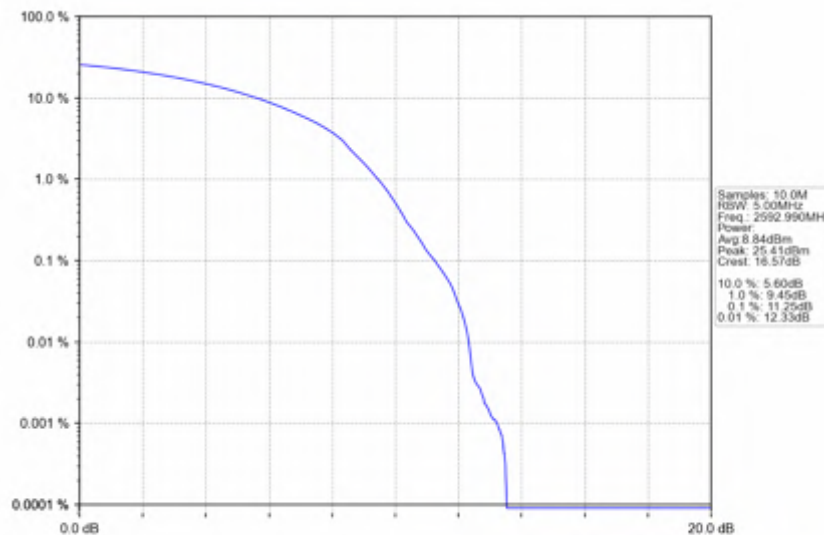
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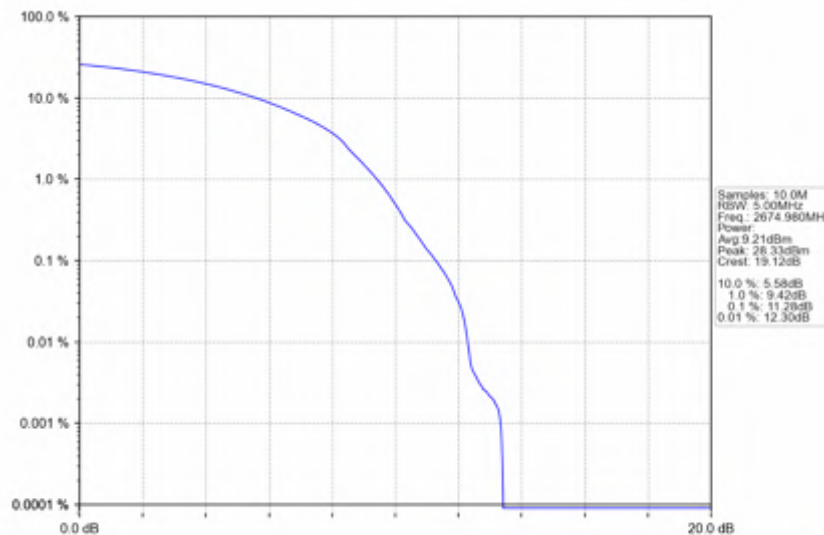
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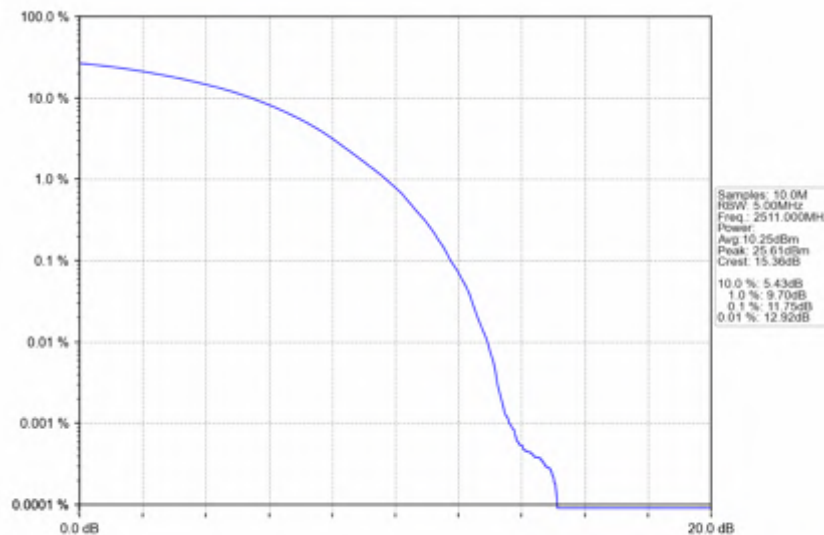
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n41_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_2674.98MHz_Outer_Full



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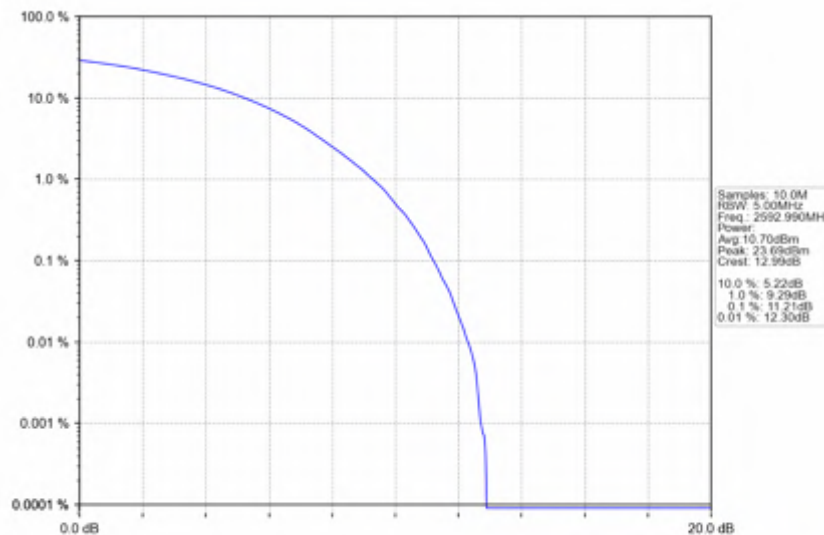
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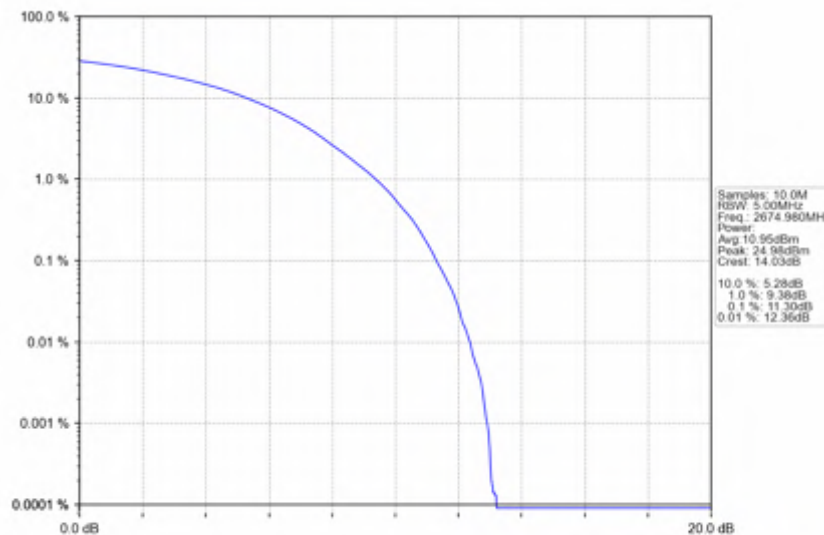
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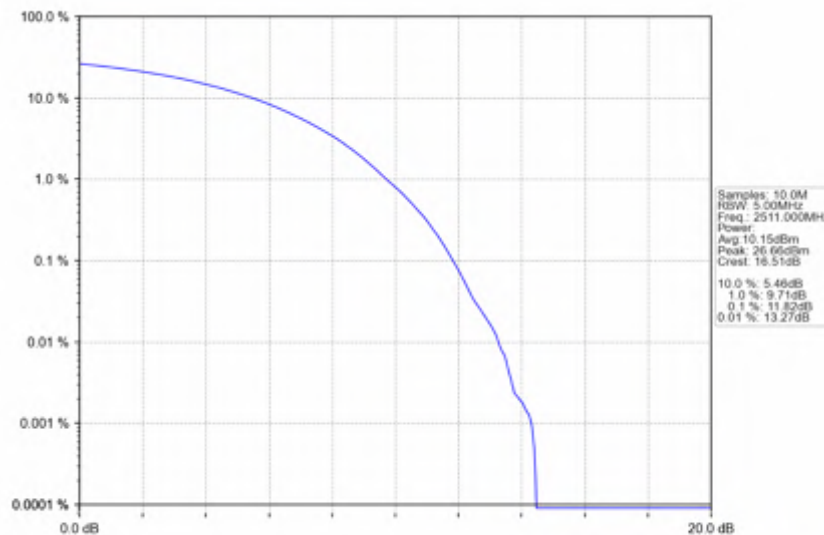
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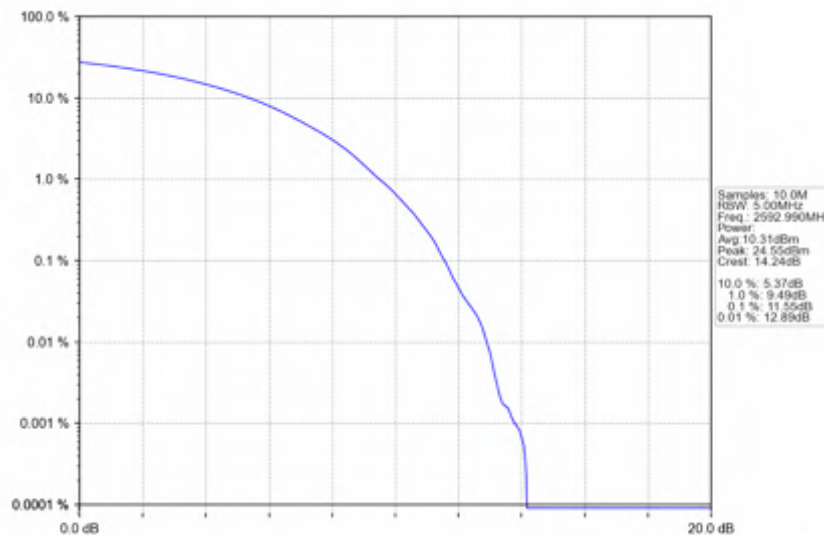
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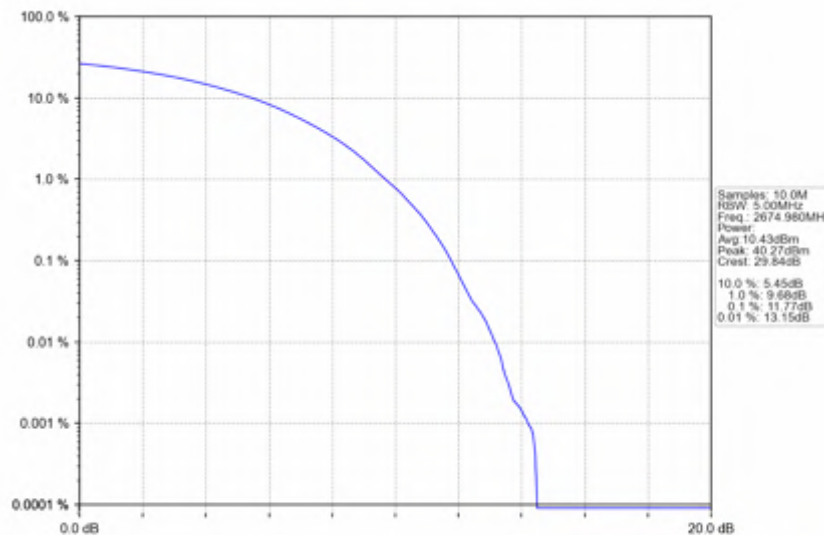
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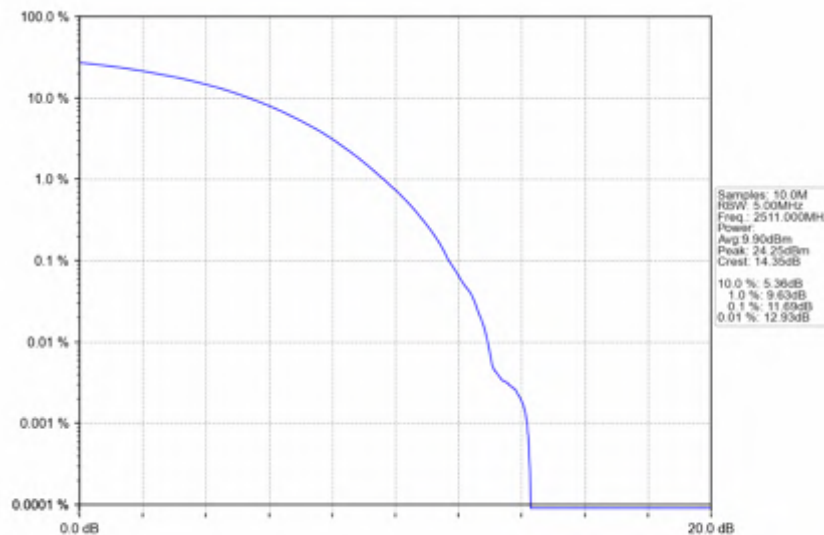
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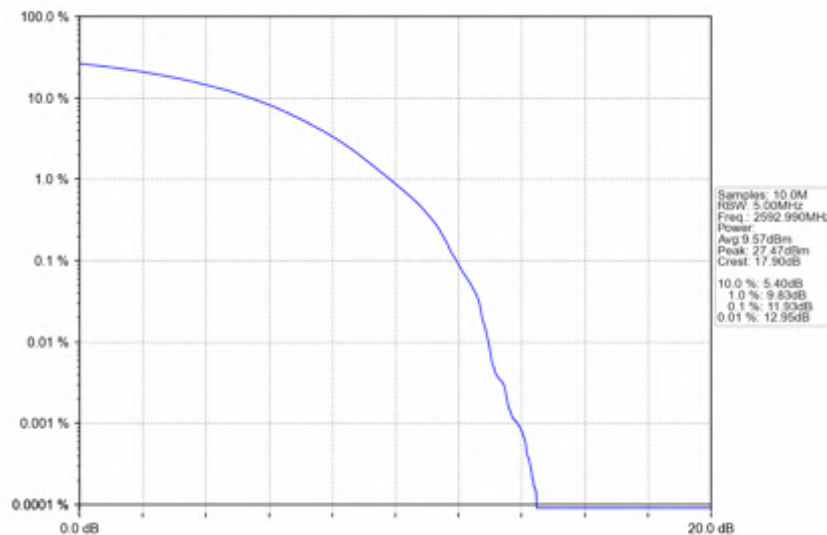
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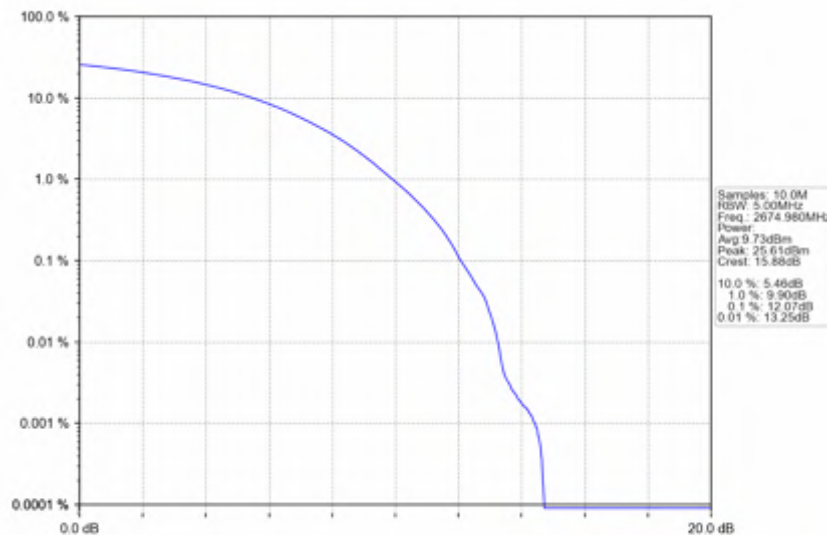
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n41_30kHz_SISO_NTNV_30MHz_CP-OFDM_64_QAM_2592.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_30MHz_CP-OFDM_64_QAM_2674.98MHz_Outer_Full

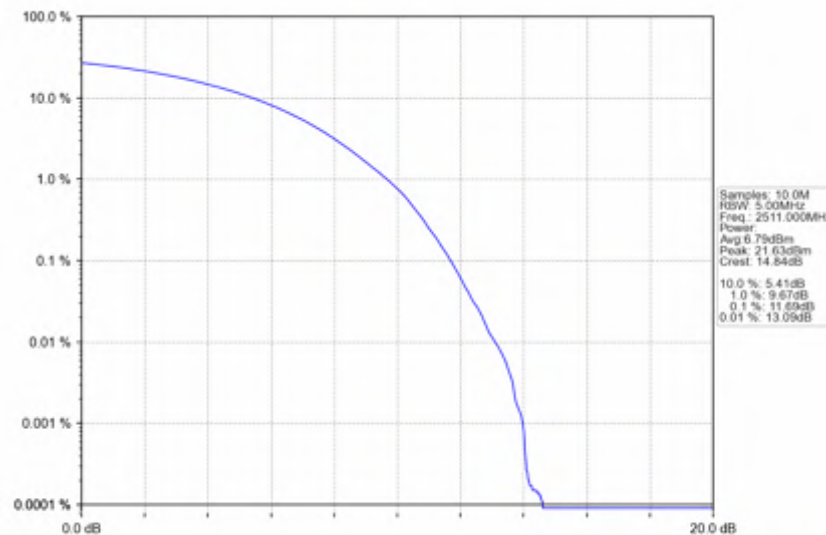


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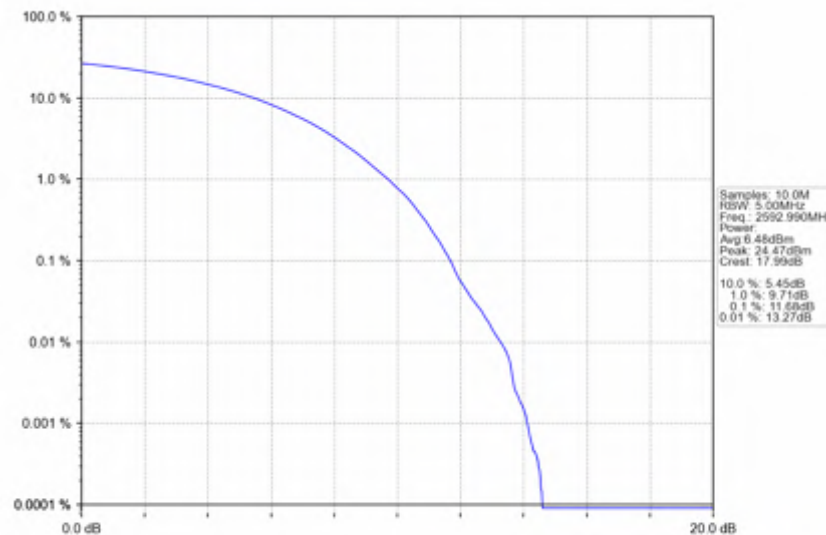
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n41_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_2511MHz_Outer_Full



n41_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_2592.99MHz_Outer_Full

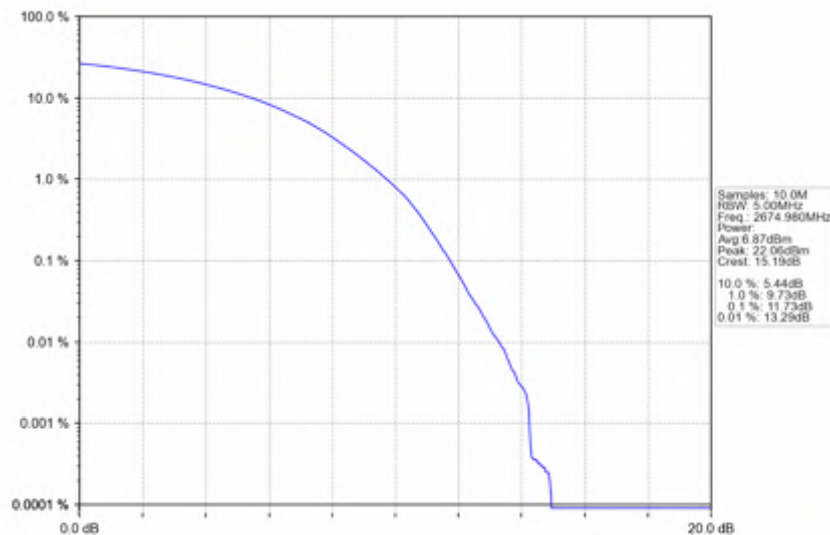


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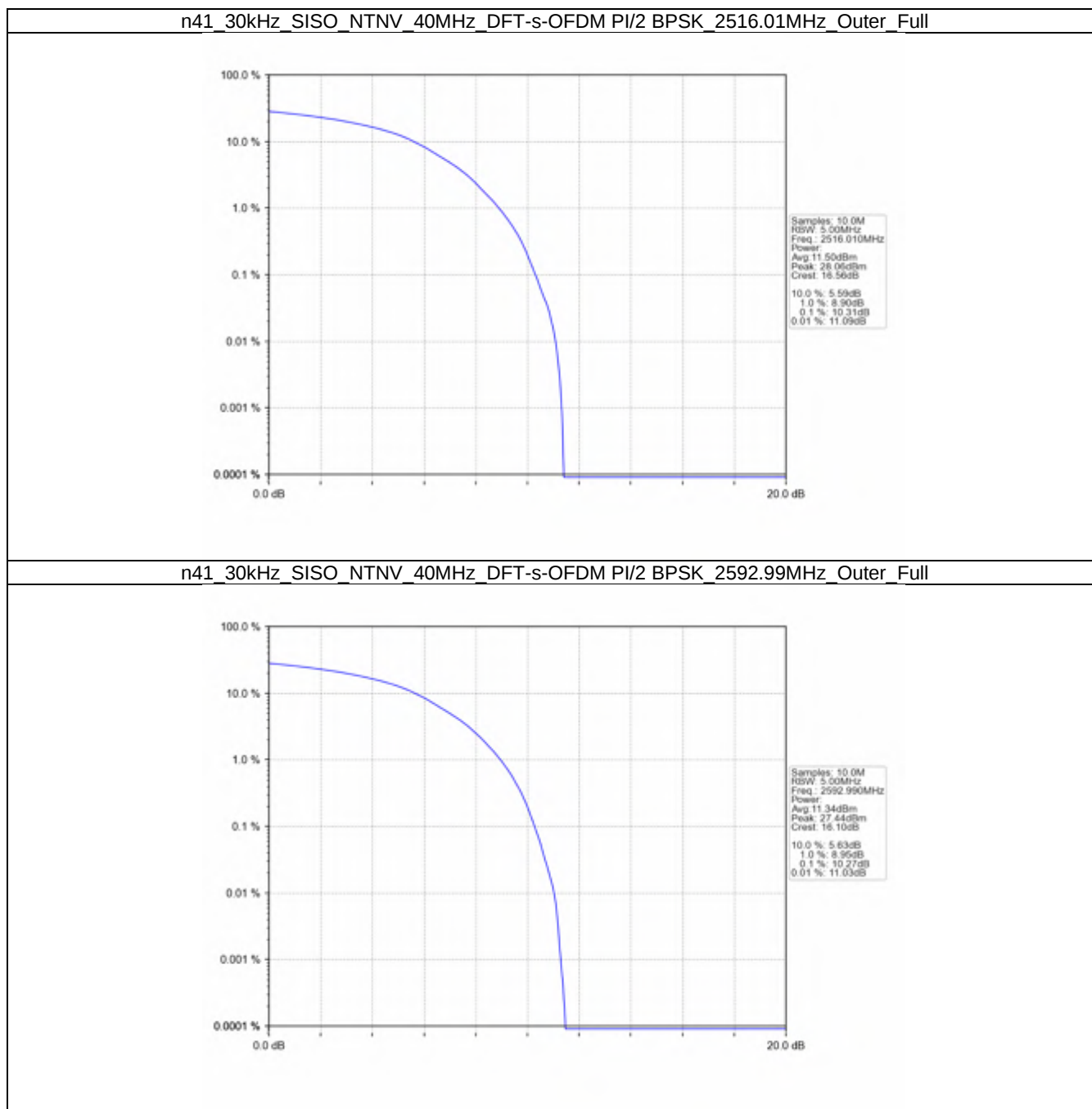
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6.11 30k_SISO_40MHz_NTNV

6.11.1 Test Result

5G NR n41 SCS=30kHz SISO 40MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2516.01	Outer_Full	10.31	/	/	<=13	Pass
	2592.99	Outer_Full	10.27	/	/	<=13	Pass
	2670	Outer_Full	10.23	/	/	<=13	Pass
DFT-s-OFDM QPSK	2516.01	Outer_Full	10.88	/	/	<=13	Pass
	2592.99	Outer_Full	11.00	/	/	<=13	Pass
	2670	Outer_Full	11.02	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2516.01	Outer_Full	11.04	/	/	<=13	Pass
	2592.99	Outer_Full	11.08	/	/	<=13	Pass
	2670	Outer_Full	11.10	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2516.01	Outer_Full	10.98	/	/	<=13	Pass
	2592.99	Outer_Full	11.17	/	/	<=13	Pass
	2670	Outer_Full	11.18	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2516.01	Outer_Full	11.33	/	/	<=13	Pass
	2592.99	Outer_Full	11.37	/	/	<=13	Pass
	2670	Outer_Full	11.58	/	/	<=13	Pass
CP-OFDM QPSK	2516.01	Outer_Full	11.72	/	/	<=13	Pass
	2592.99	Outer_Full	11.49	/	/	<=13	Pass
	2670	Outer_Full	11.44	/	/	<=13	Pass
CP-OFDM 16 QAM	2516.01	Outer_Full	11.77	/	/	<=13	Pass
	2592.99	Outer_Full	11.72	/	/	<=13	Pass
	2670	Outer_Full	11.58	/	/	<=13	Pass
CP-OFDM 64 QAM	2516.01	Outer_Full	11.53	/	/	<=13	Pass
	2592.99	Outer_Full	11.60	/	/	<=13	Pass
	2670	Outer_Full	11.79	/	/	<=13	Pass
CP-OFDM 256 QAM	2516.01	Outer_Full	11.64	/	/	<=13	Pass
	2592.99	Outer_Full	11.74	/	/	<=13	Pass
	2670	Outer_Full	11.81	/	/	<=13	Pass

6.11.2 Test Graph



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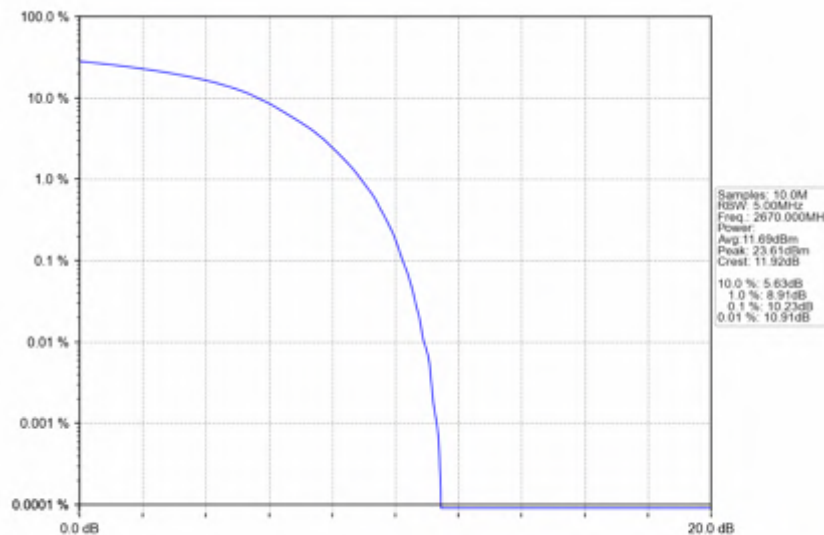
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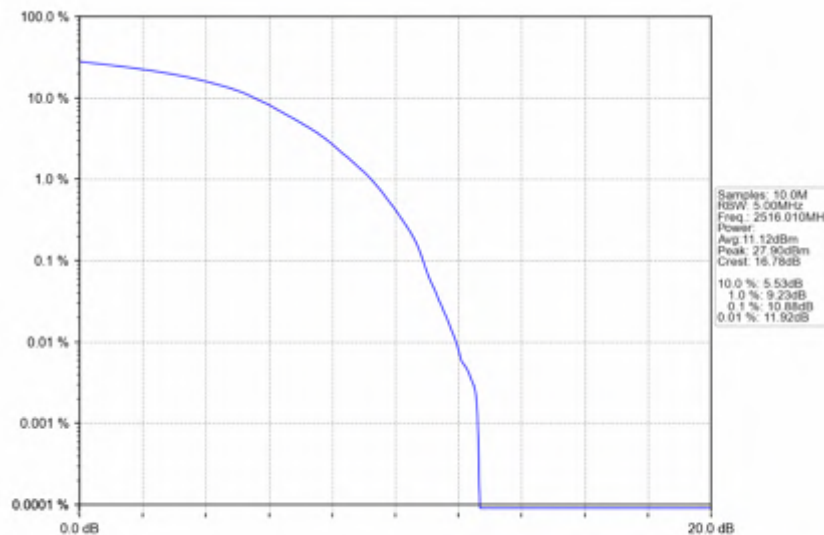
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n41_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_2670MHz_Outer_Full



n41_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_2516.01MHz_Outer_Full



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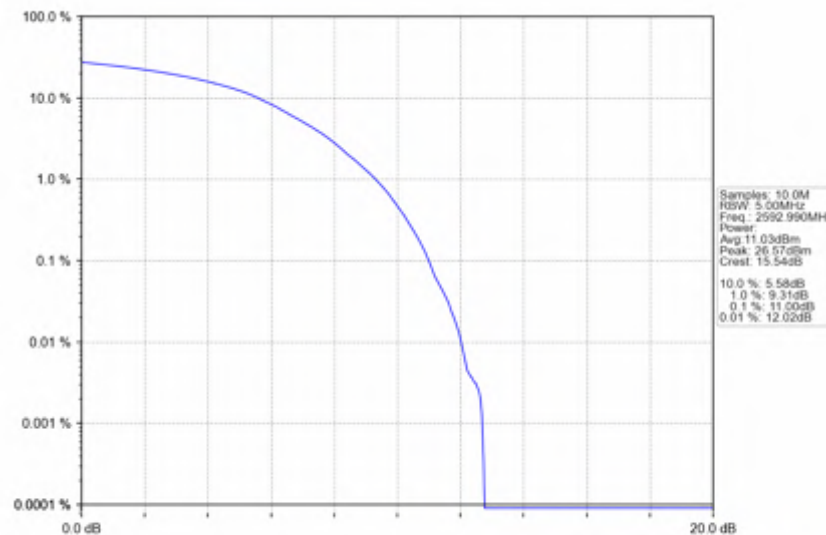
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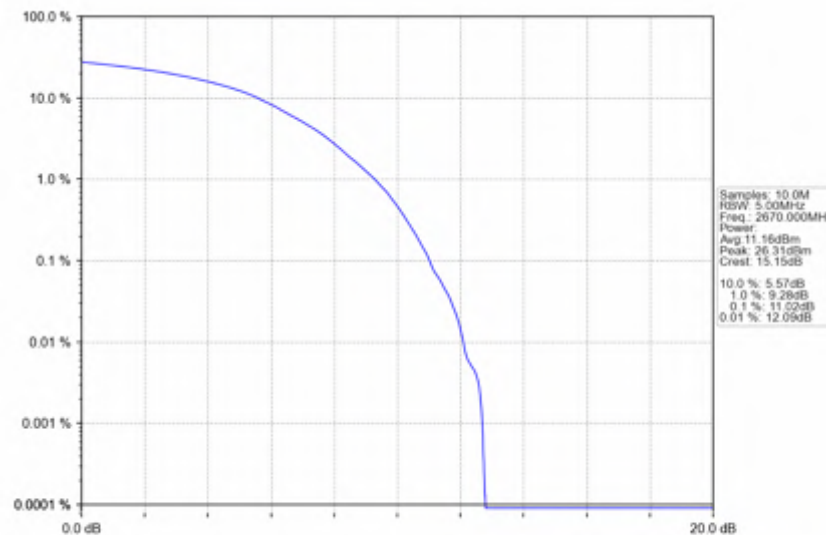
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n41_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_2670MHz_Outer_Full



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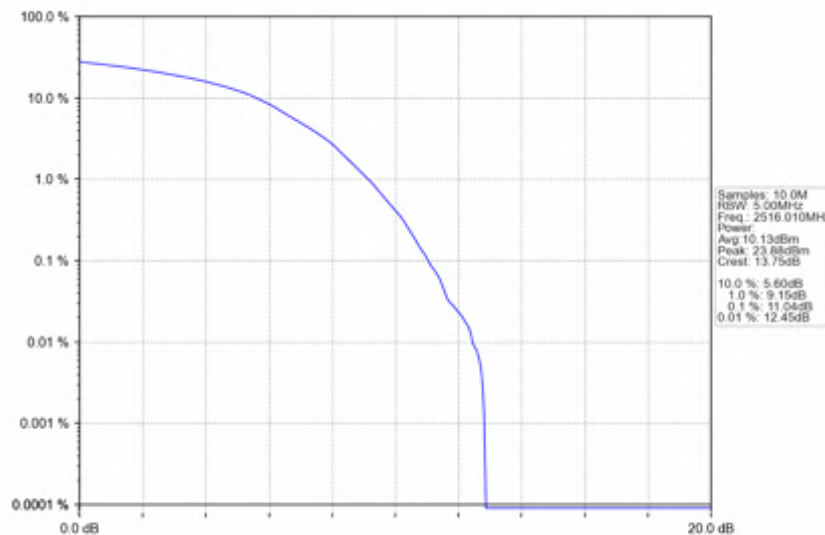
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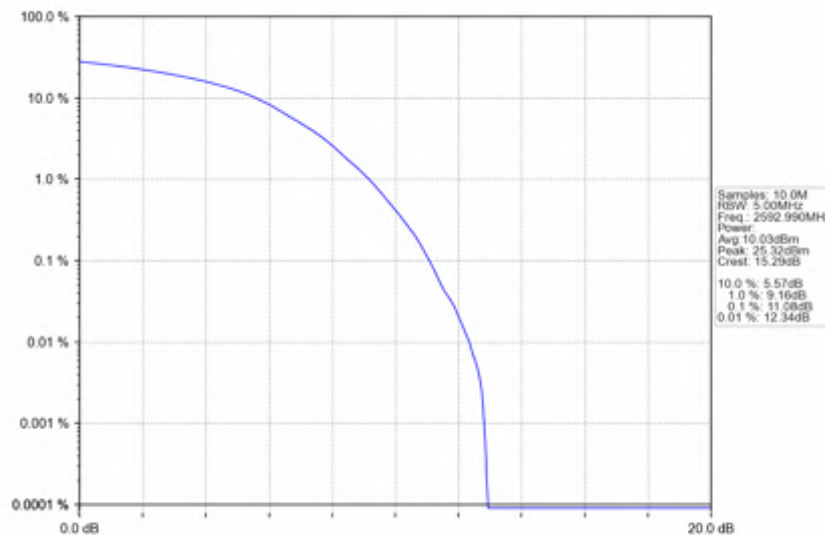
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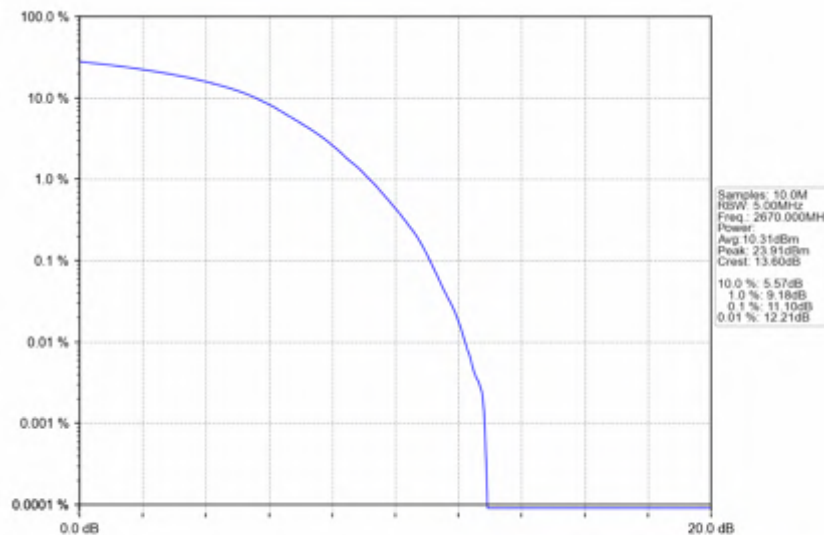


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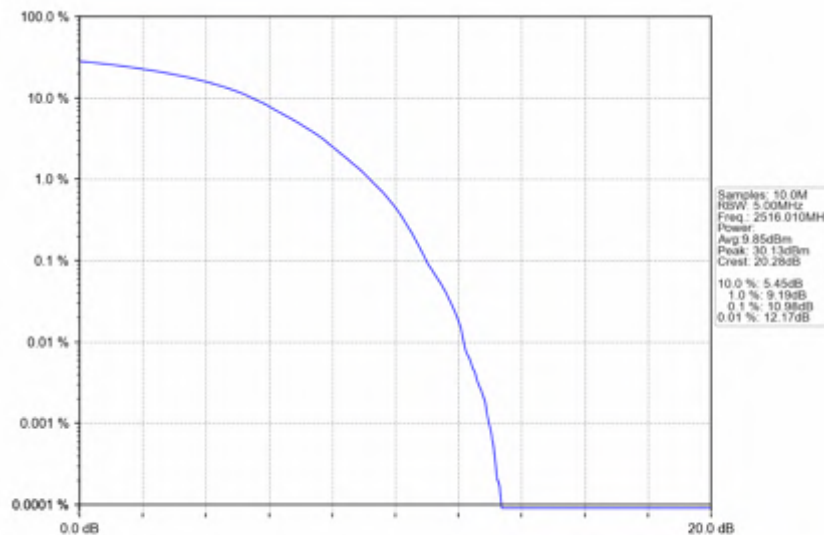
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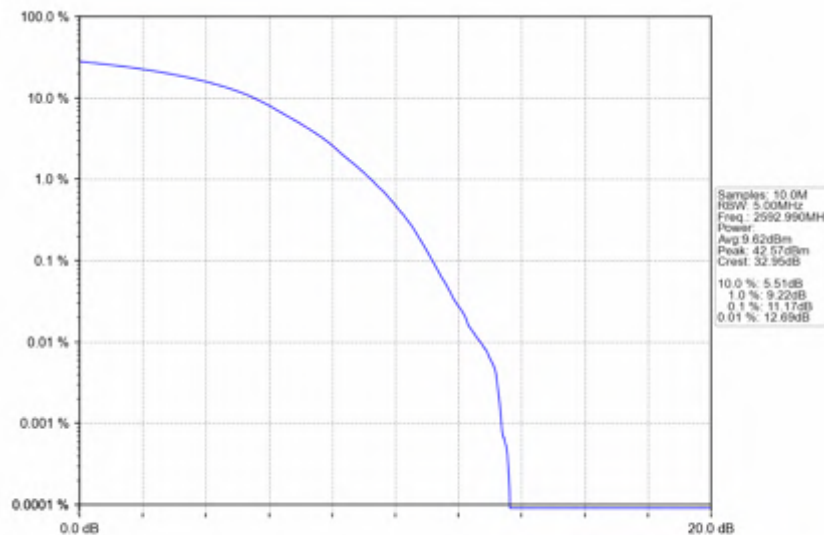
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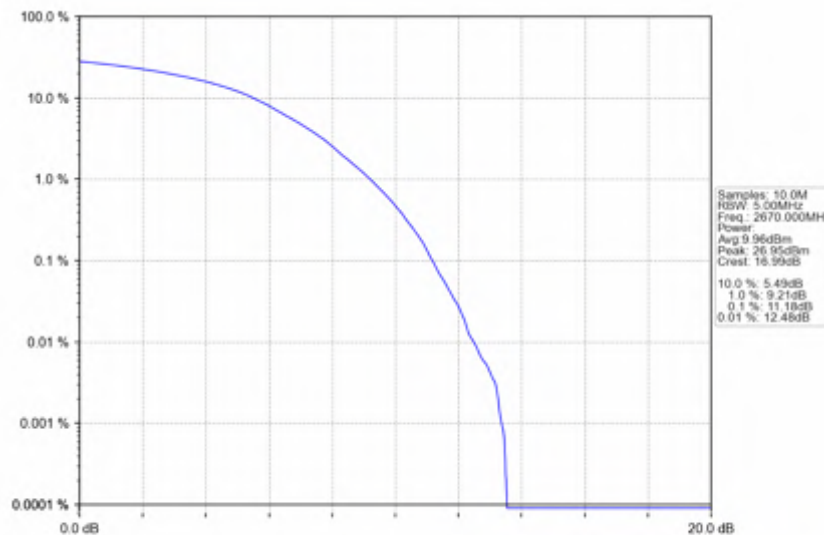
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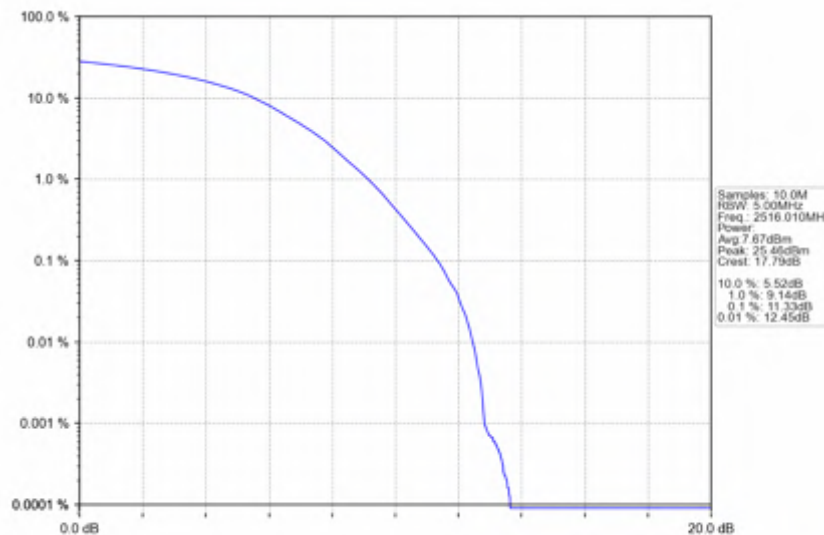
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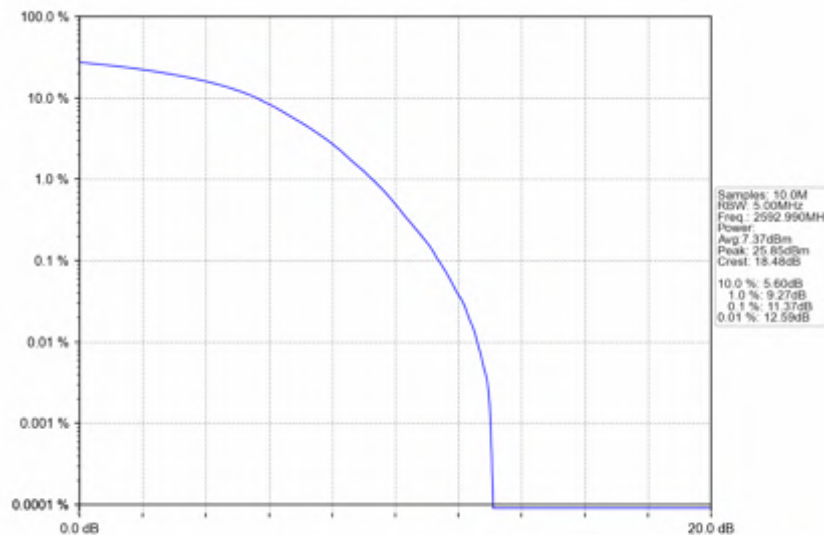
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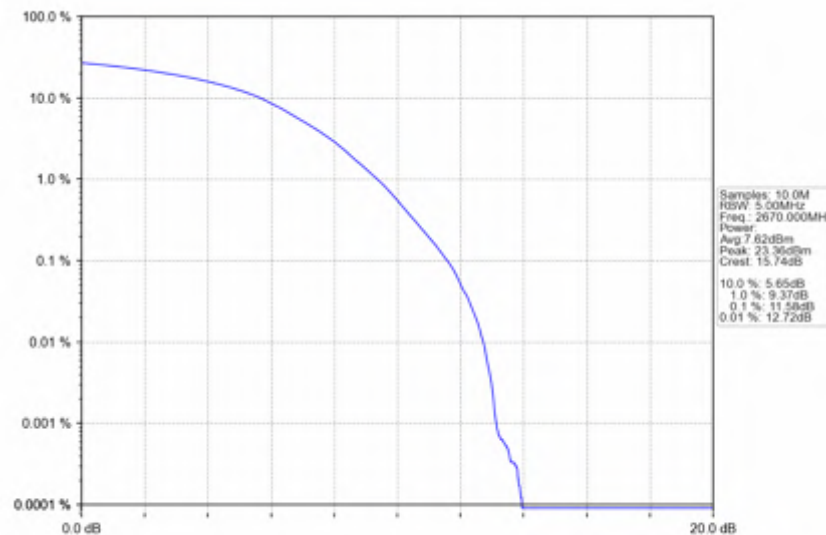
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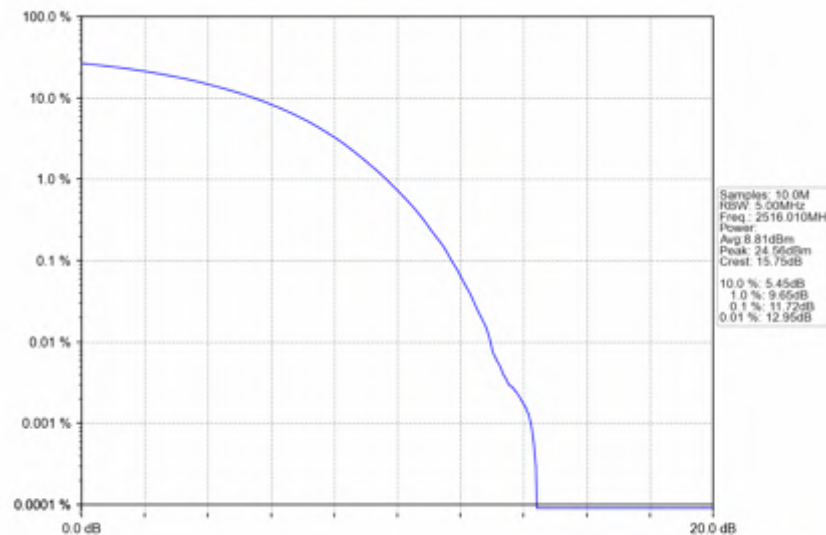
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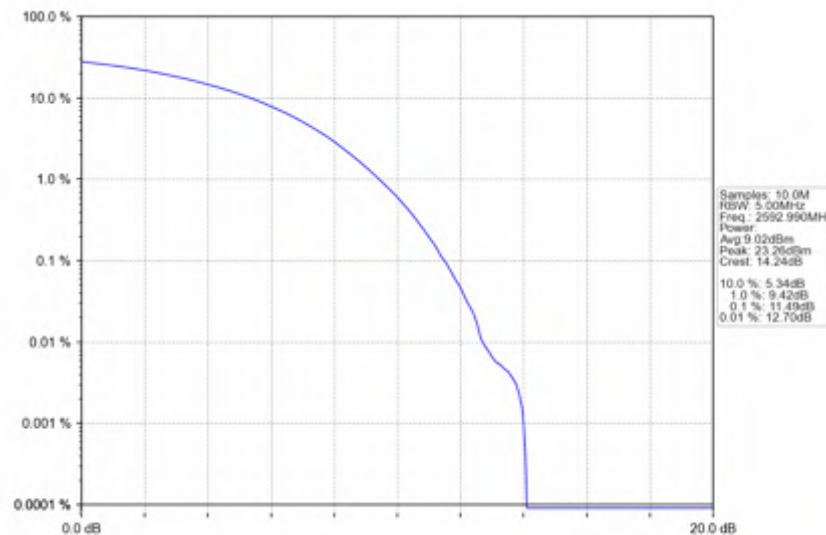
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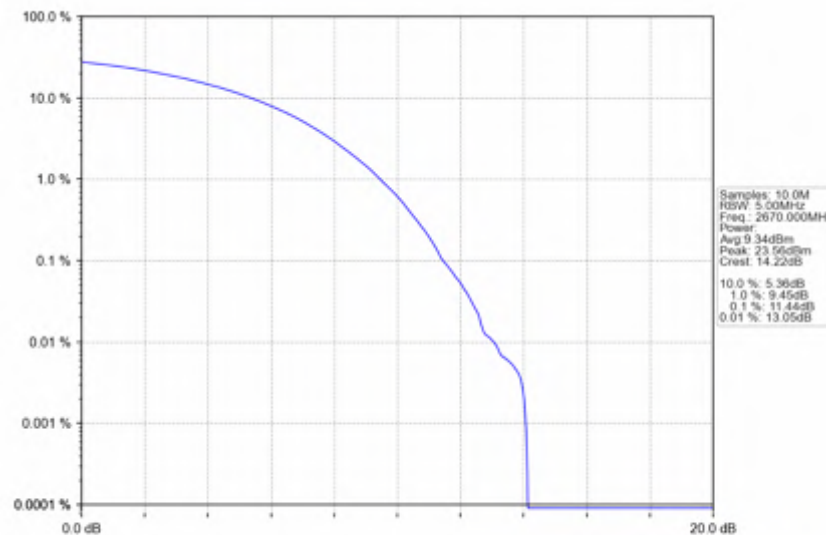
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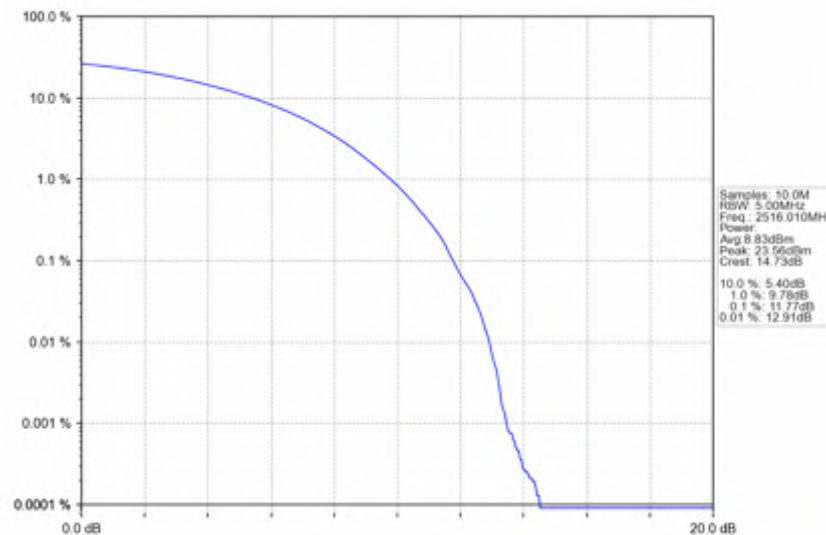
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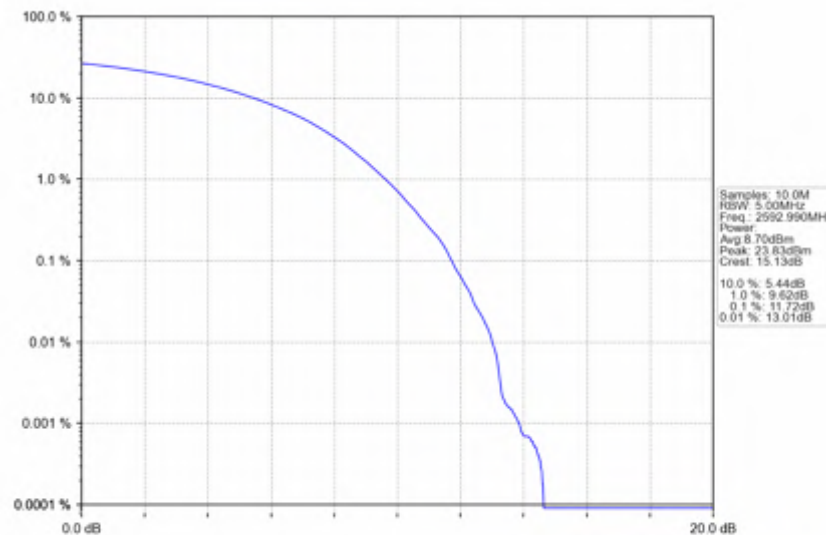
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n41_30kHz_SISO_NTNV_40MHz_CP-OFDM_16_QAM_2592.99MHz_Outer_Full

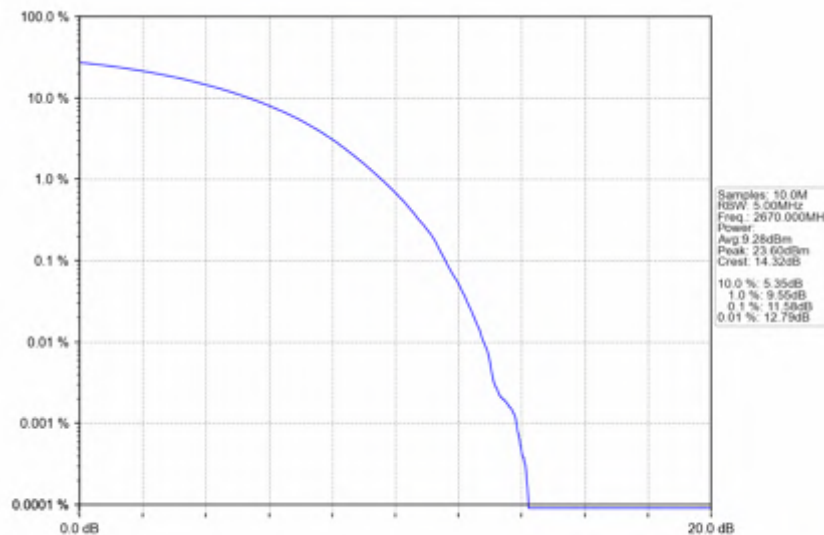


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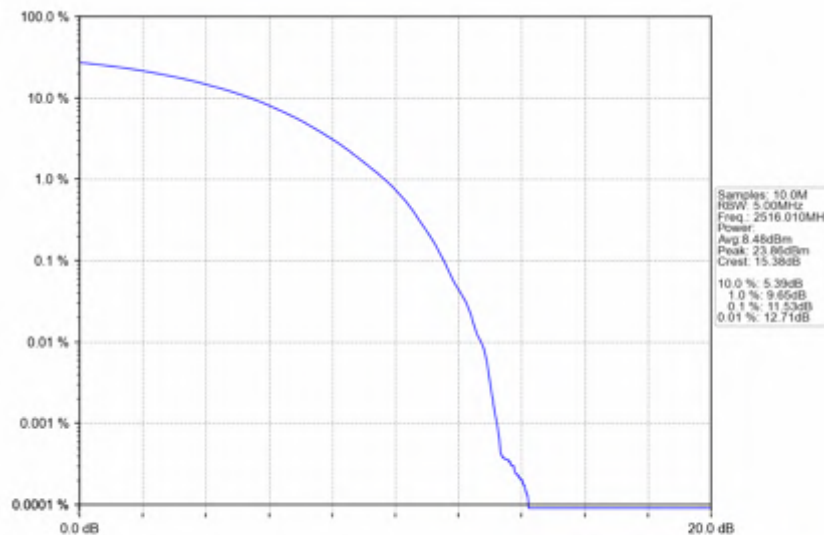
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n41_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_2670MHz_Outer_Full



n41_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_2516.01MHz_Outer_Full



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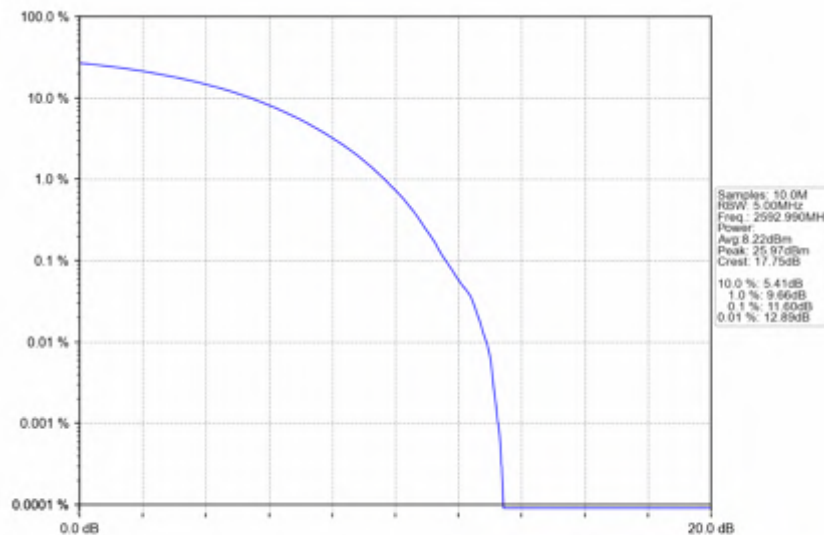
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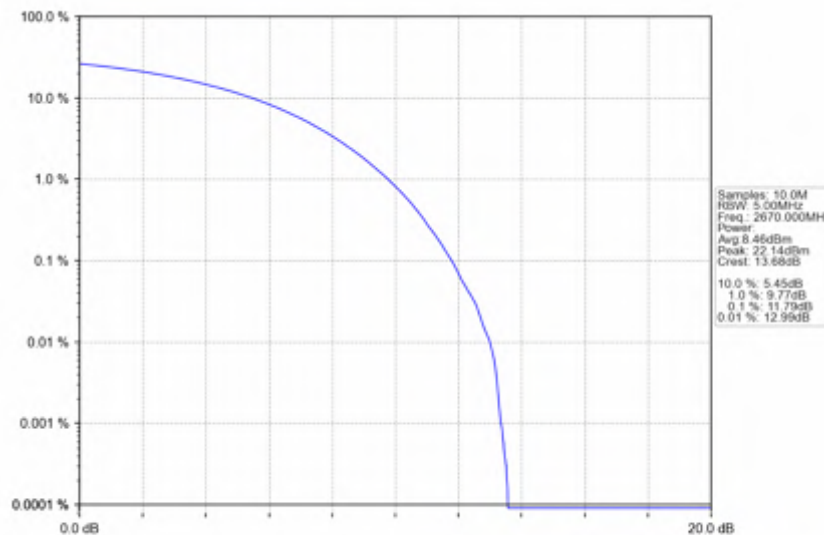
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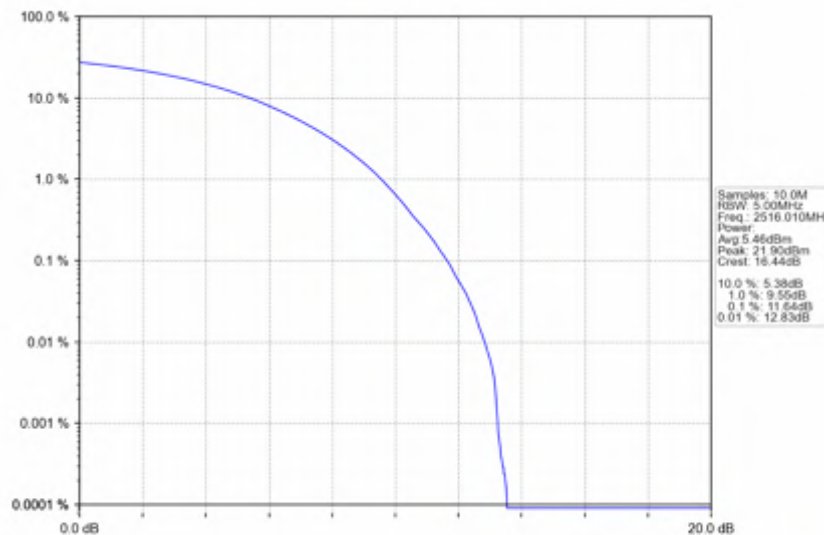
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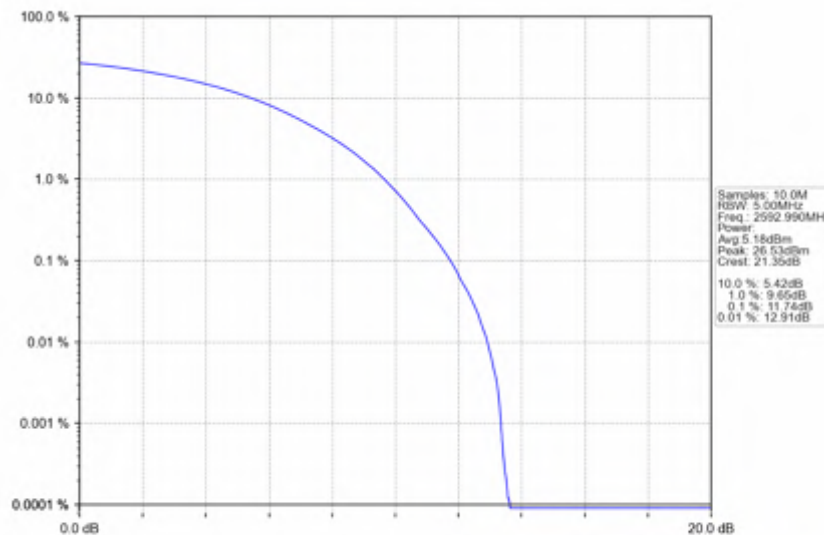
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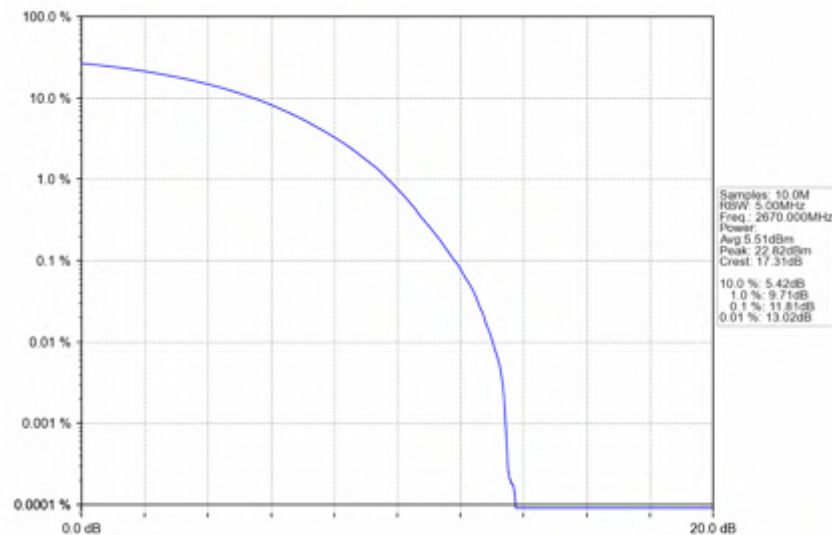
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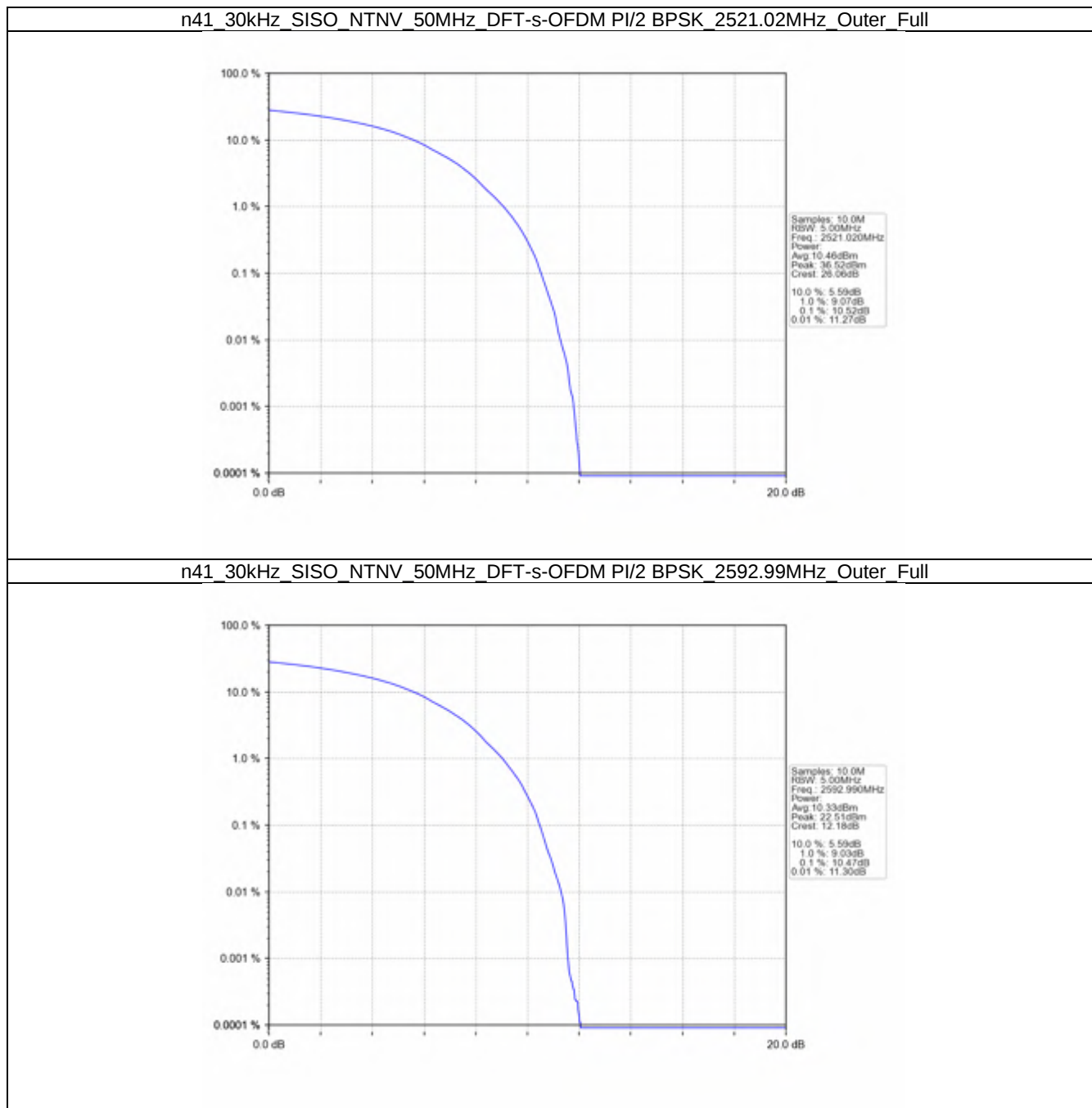
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6.12 30k_SISO_50MHz_NTNV

6.12.1 Test Result

5G NR n41 SCS=30kHz SISO 50MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2521.02	Outer_Full	10.52	/	/	<=13	Pass
	2592.99	Outer_Full	10.47	/	/	<=13	Pass
	2664.99	Outer_Full	10.55	/	/	<=13	Pass
DFT-s-OFDM QPSK	2521.02	Outer_Full	11.14	/	/	<=13	Pass
	2592.99	Outer_Full	11.21	/	/	<=13	Pass
	2664.99	Outer_Full	11.23	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2521.02	Outer_Full	11.28	/	/	<=13	Pass
	2592.99	Outer_Full	11.25	/	/	<=13	Pass
	2664.99	Outer_Full	11.32	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2521.02	Outer_Full	11.43	/	/	<=13	Pass
	2592.99	Outer_Full	11.21	/	/	<=13	Pass
	2664.99	Outer_Full	11.42	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2521.02	Outer_Full	11.53	/	/	<=13	Pass
	2592.99	Outer_Full	11.38	/	/	<=13	Pass
	2664.99	Outer_Full	11.39	/	/	<=13	Pass
CP-OFDM QPSK	2521.02	Outer_Full	11.91	/	/	<=13	Pass
	2592.99	Outer_Full	11.69	/	/	<=13	Pass
	2664.99	Outer_Full	11.68	/	/	<=13	Pass
CP-OFDM 16 QAM	2521.02	Outer_Full	11.91	/	/	<=13	Pass
	2592.99	Outer_Full	11.65	/	/	<=13	Pass
	2664.99	Outer_Full	11.97	/	/	<=13	Pass
CP-OFDM 64 QAM	2521.02	Outer_Full	11.77	/	/	<=13	Pass
	2592.99	Outer_Full	11.89	/	/	<=13	Pass
	2664.99	Outer_Full	11.77	/	/	<=13	Pass
CP-OFDM 256 QAM	2521.02	Outer_Full	11.72	/	/	<=13	Pass
	2592.99	Outer_Full	11.69	/	/	<=13	Pass
	2664.99	Outer_Full	11.58	/	/	<=13	Pass

6.12.2 Test Graph



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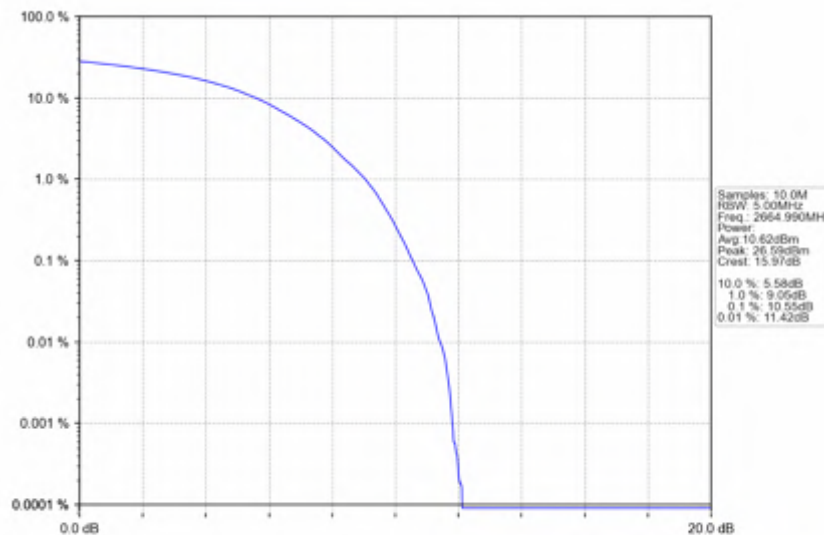
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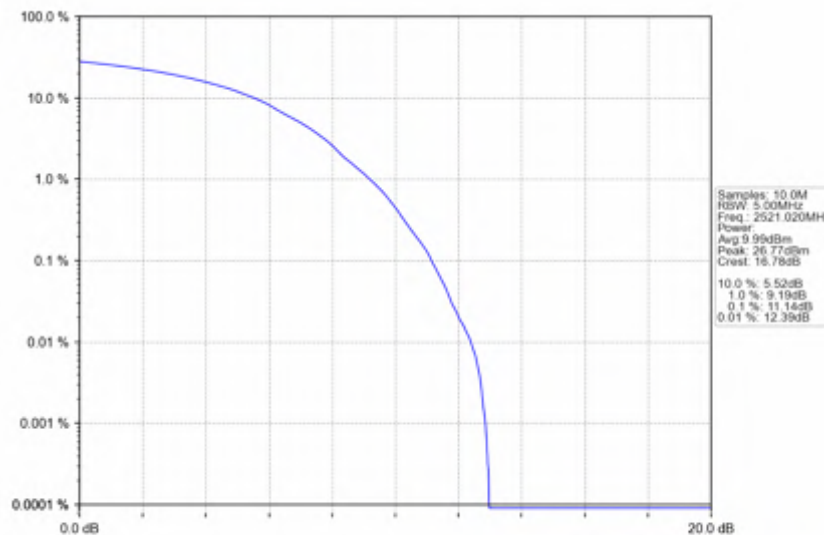
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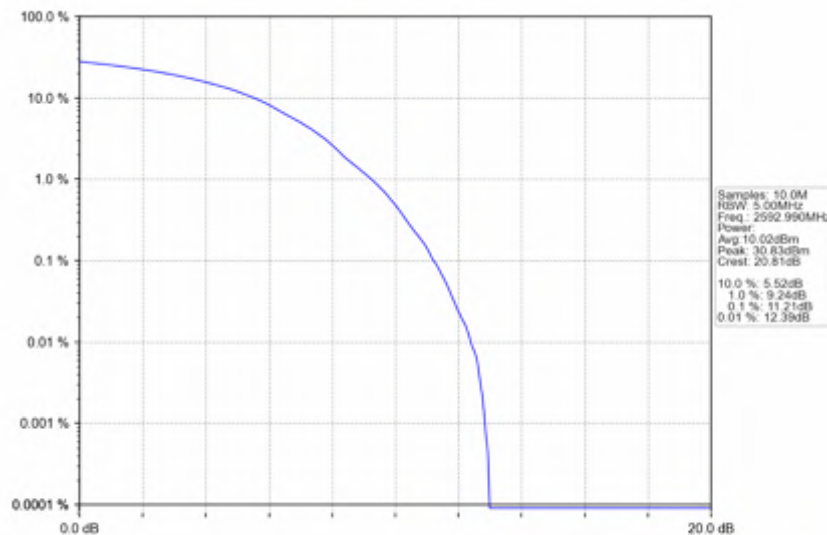
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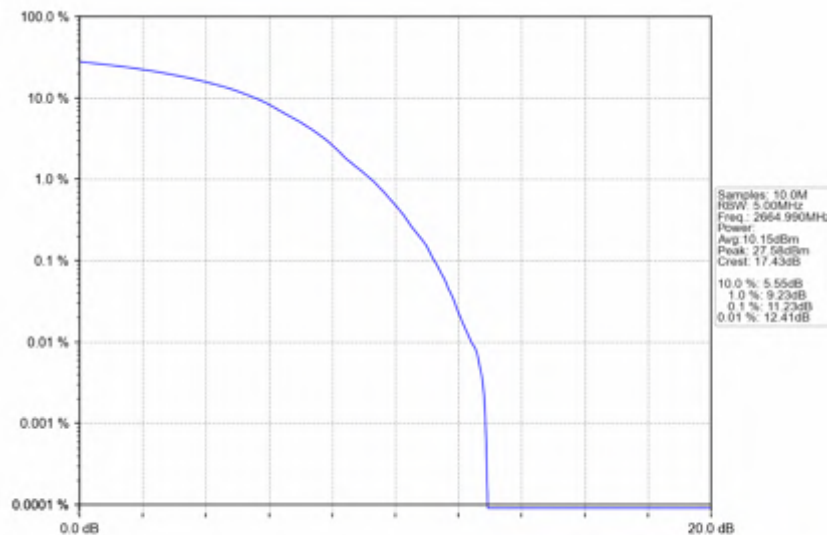
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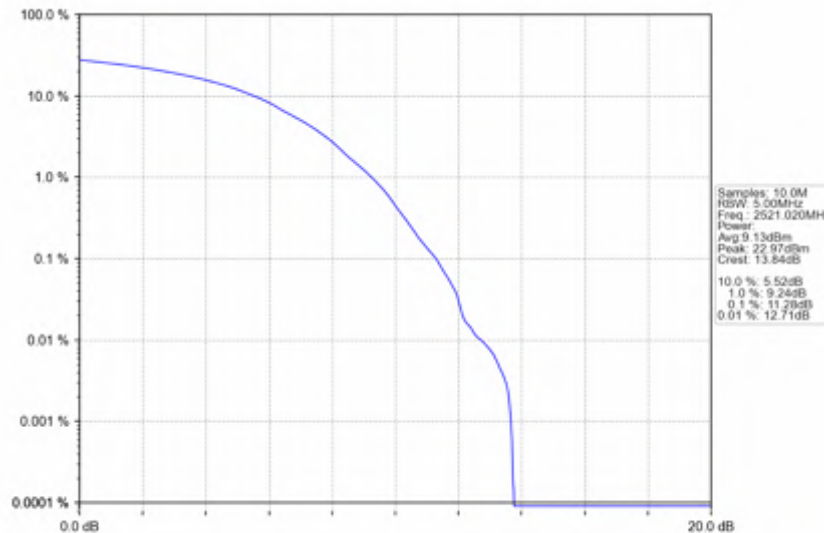
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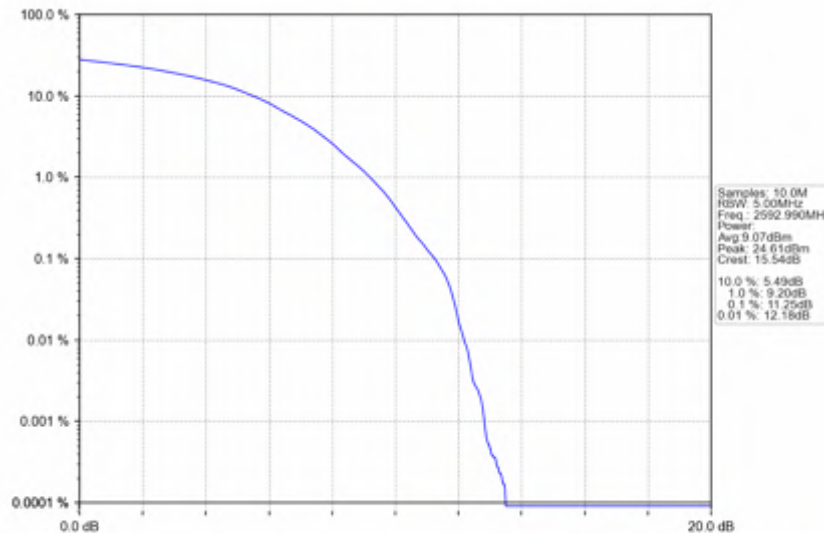
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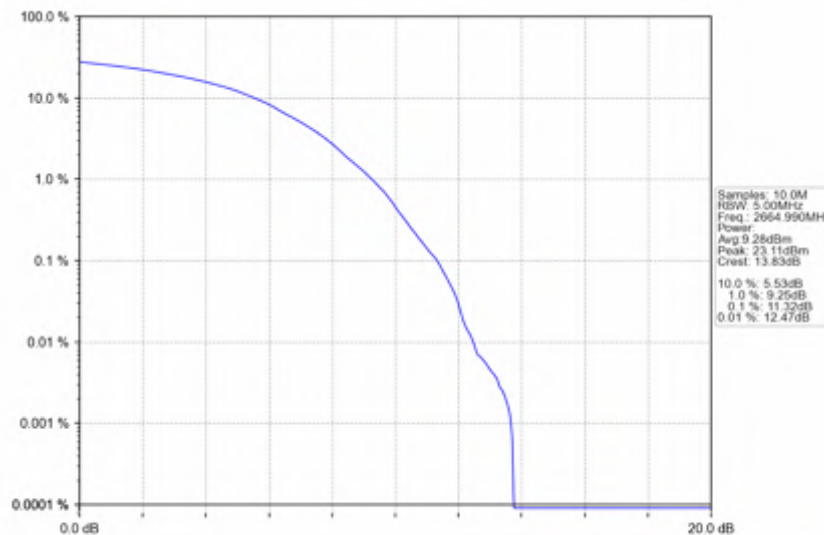
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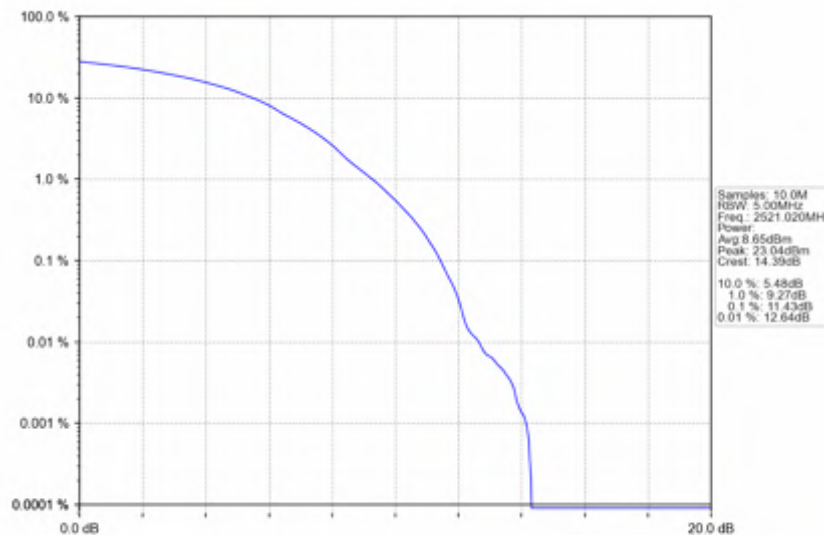
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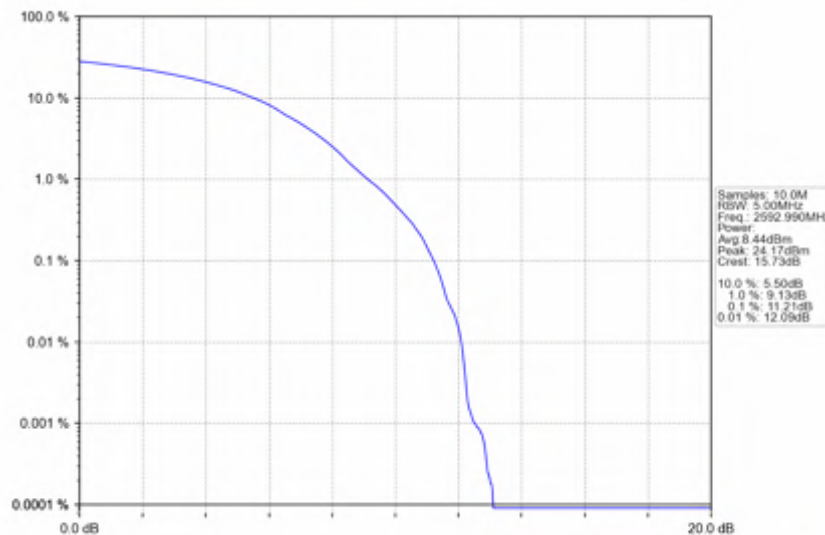


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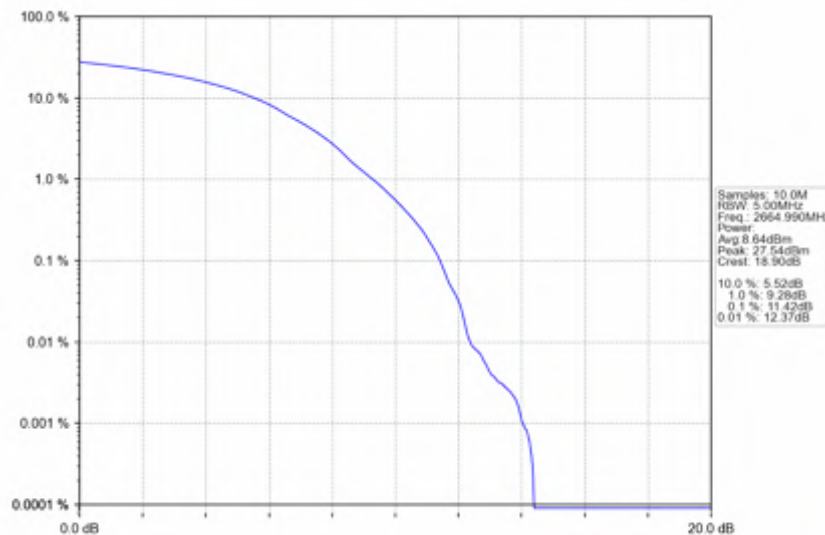
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n41_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_2592.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_2664.99MHz_Outer_Full



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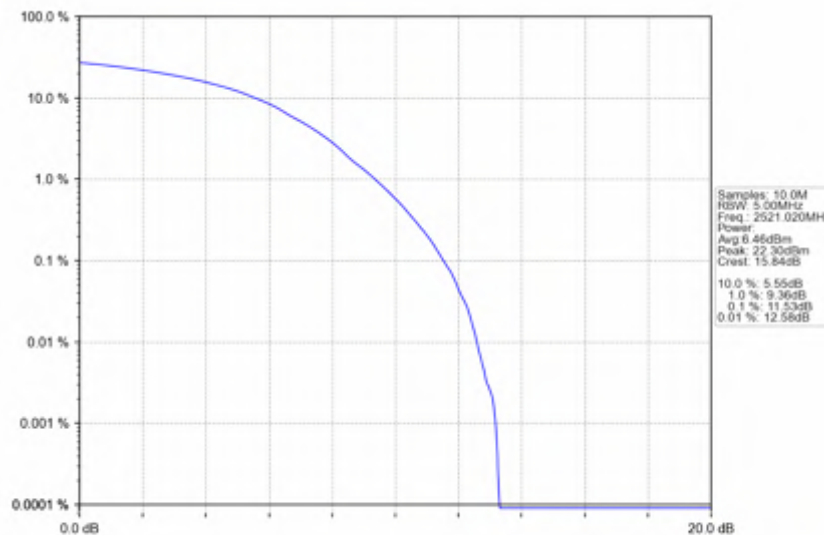
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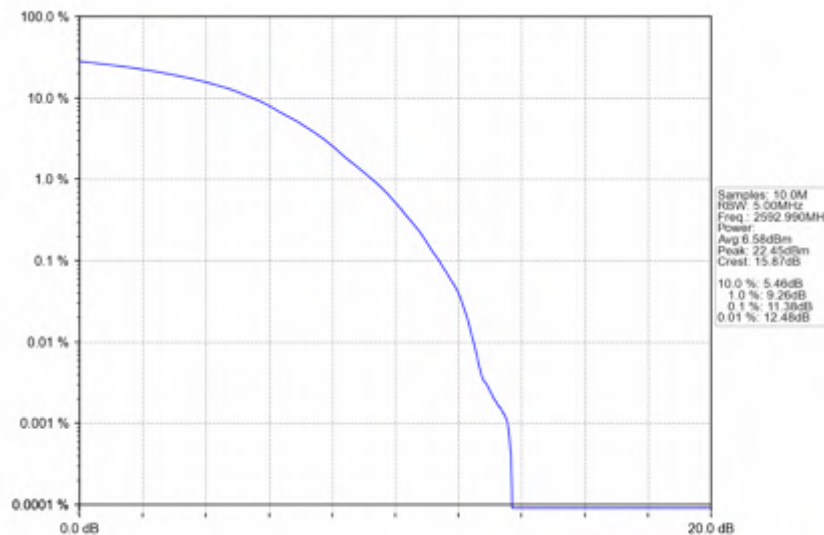
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n41_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_2521.02MHz_Outer_Full



n41_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_256_QAM_2592.99MHz_Outer_Full



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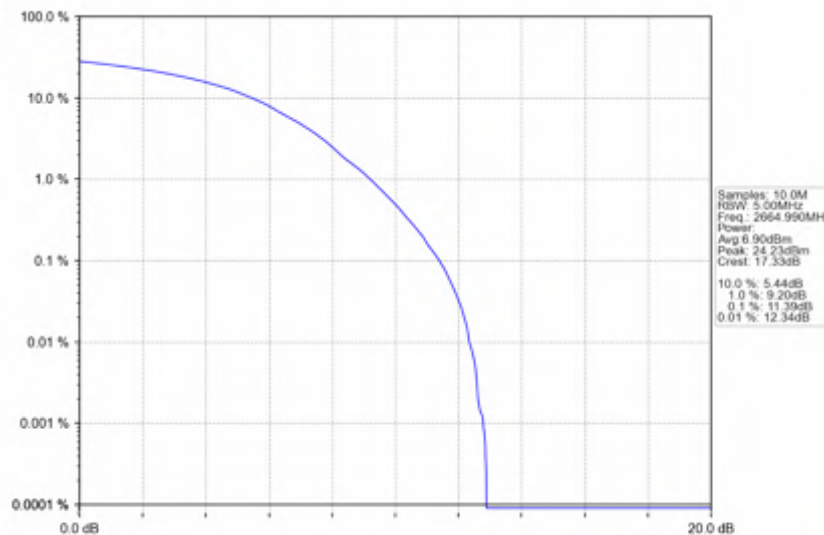
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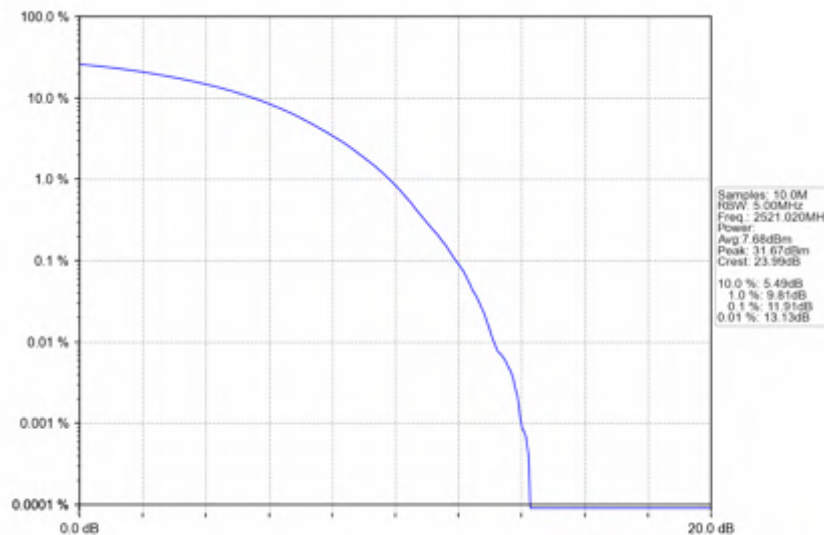
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n41_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM 256 QAM_2664.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_50MHz_CP-OFDM QPSK_2521.02MHz_Outer_Full

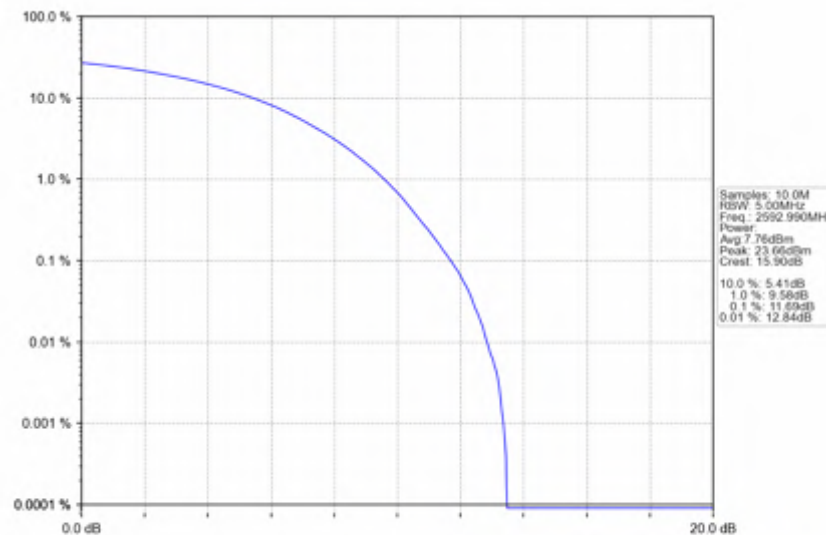


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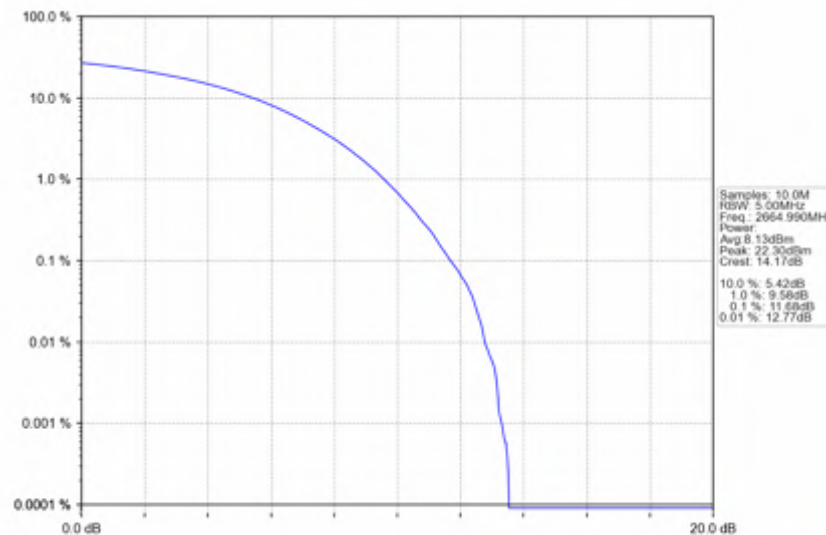
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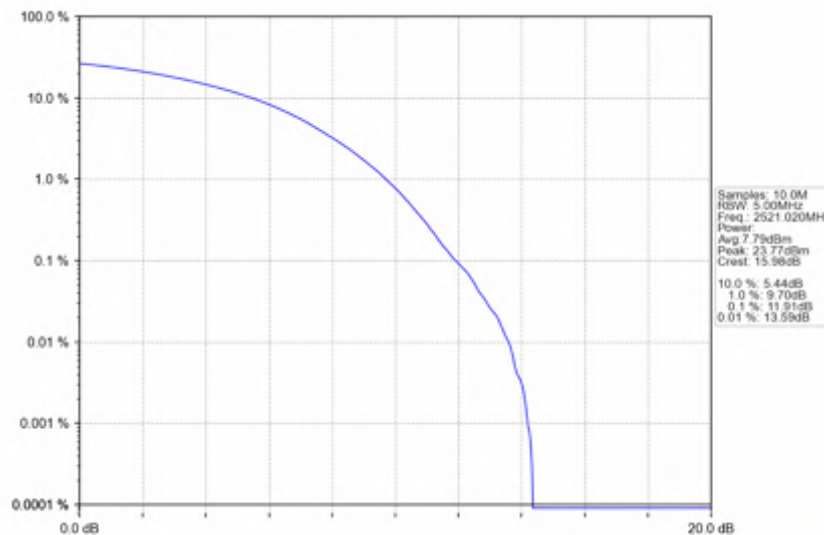


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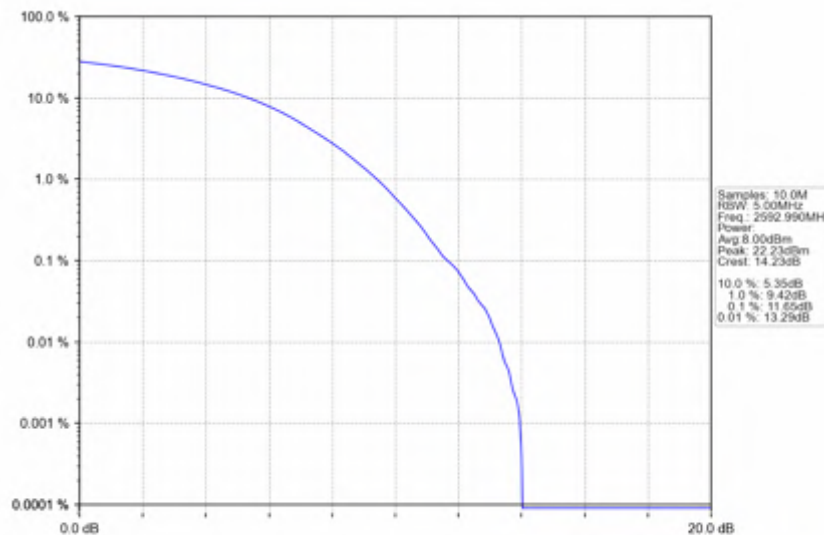
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n41_30kHz_SISO_NTNV_50MHz_CP-OFDM_16_QAM_2521.02MHz_Outer_Full



n41_30kHz_SISO_NTNV_50MHz_CP-OFDM_16_QAM_2592.99MHz_Outer_Full



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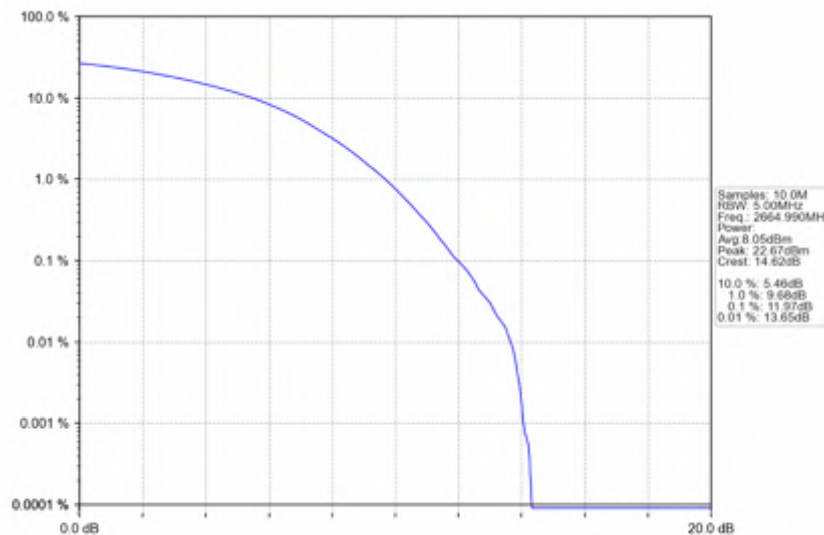
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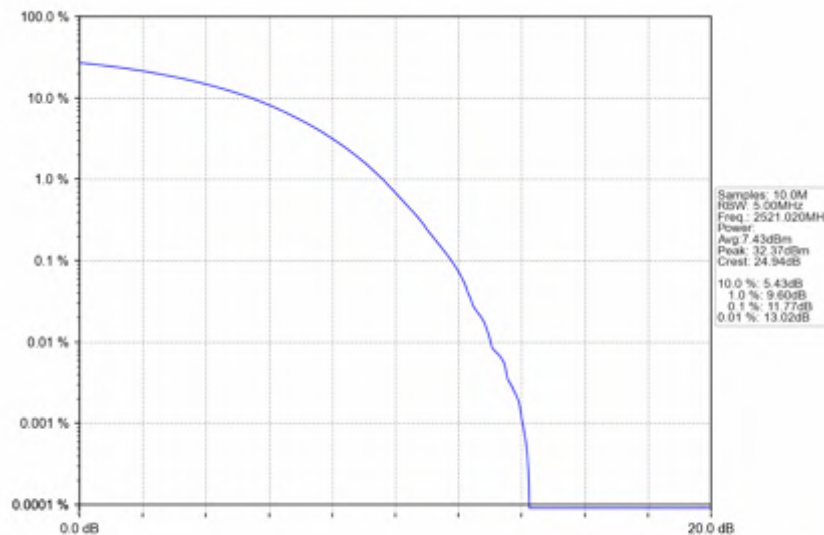
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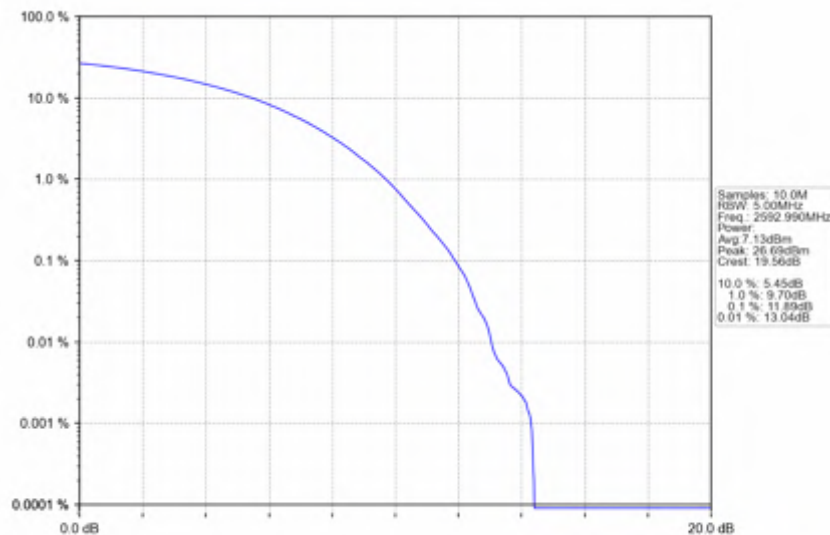
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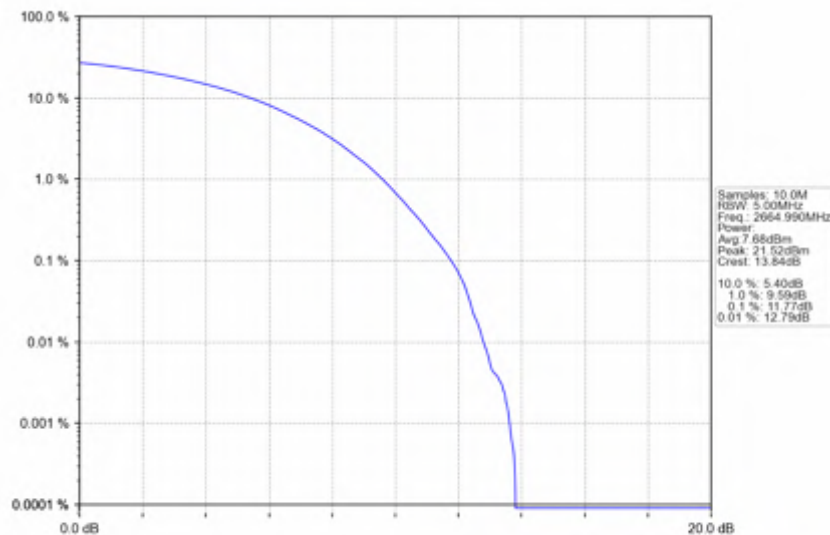
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n41_30kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_2592.99MHz_Outer_Full



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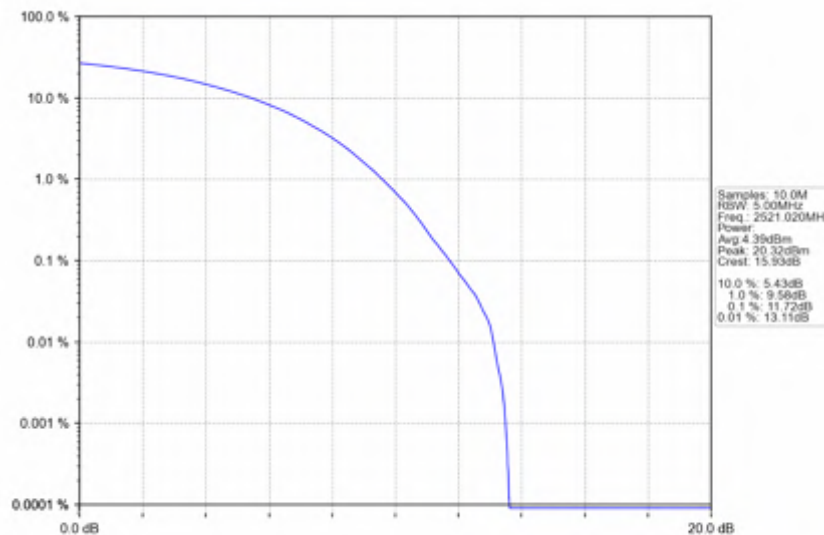
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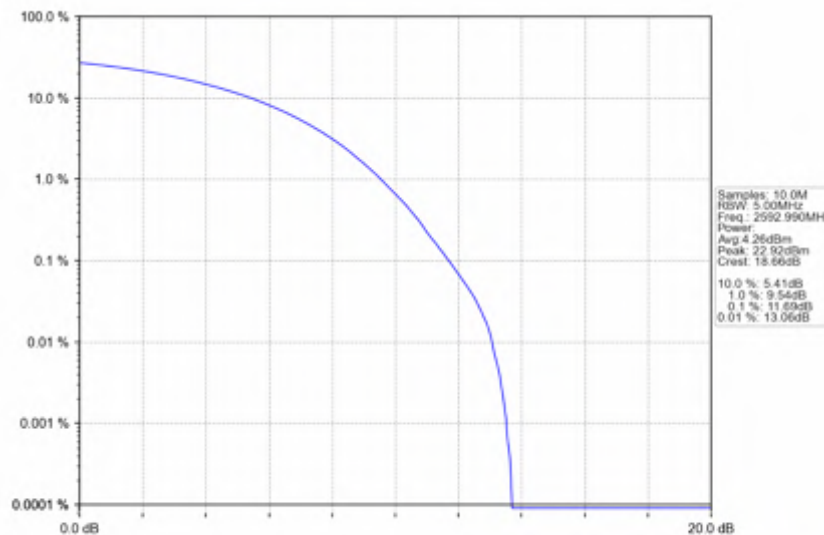
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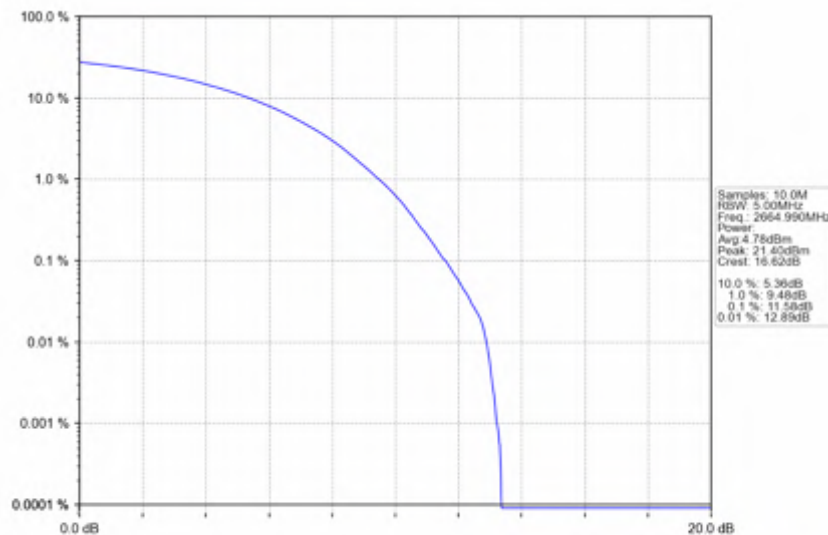
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6.13 30k_SISO_60MHz_NTNV

6.13.1 Test Result

5G NR n41 SCS=30kHz SISO 60MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2526	Outer_Full	10.89	/	/	<=13	Pass
	2592.99	Outer_Full	10.85	/	/	<=13	Pass
	2659.98	Outer_Full	11.06	/	/	<=13	Pass
DFT-s-OFDM QPSK	2526	Outer_Full	11.15	/	/	<=13	Pass
	2592.99	Outer_Full	11.13	/	/	<=13	Pass
	2659.98	Outer_Full	11.25	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2526	Outer_Full	11.55	/	/	<=13	Pass
	2592.99	Outer_Full	11.48	/	/	<=13	Pass
	2659.98	Outer_Full	11.27	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2526	Outer_Full	11.28	/	/	<=13	Pass
	2592.99	Outer_Full	11.15	/	/	<=13	Pass
	2659.98	Outer_Full	11.21	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2526	Outer_Full	11.31	/	/	<=13	Pass
	2592.99	Outer_Full	11.31	/	/	<=13	Pass
	2659.98	Outer_Full	11.34	/	/	<=13	Pass
CP-OFDM QPSK	2526	Outer_Full	11.65	/	/	<=13	Pass
	2592.99	Outer_Full	11.69	/	/	<=13	Pass
	2659.98	Outer_Full	11.98	/	/	<=13	Pass
CP-OFDM 16 QAM	2526	Outer_Full	11.75	/	/	<=13	Pass
	2592.99	Outer_Full	11.65	/	/	<=13	Pass
	2659.98	Outer_Full	11.65	/	/	<=13	Pass
CP-OFDM 64 QAM	2526	Outer_Full	11.98	/	/	<=13	Pass
	2592.99	Outer_Full	11.74	/	/	<=13	Pass
	2659.98	Outer_Full	11.94	/	/	<=13	Pass
CP-OFDM 256 QAM	2526	Outer_Full	11.91	/	/	<=13	Pass
	2592.99	Outer_Full	11.89	/	/	<=13	Pass
	2659.98	Outer_Full	11.81	/	/	<=13	Pass



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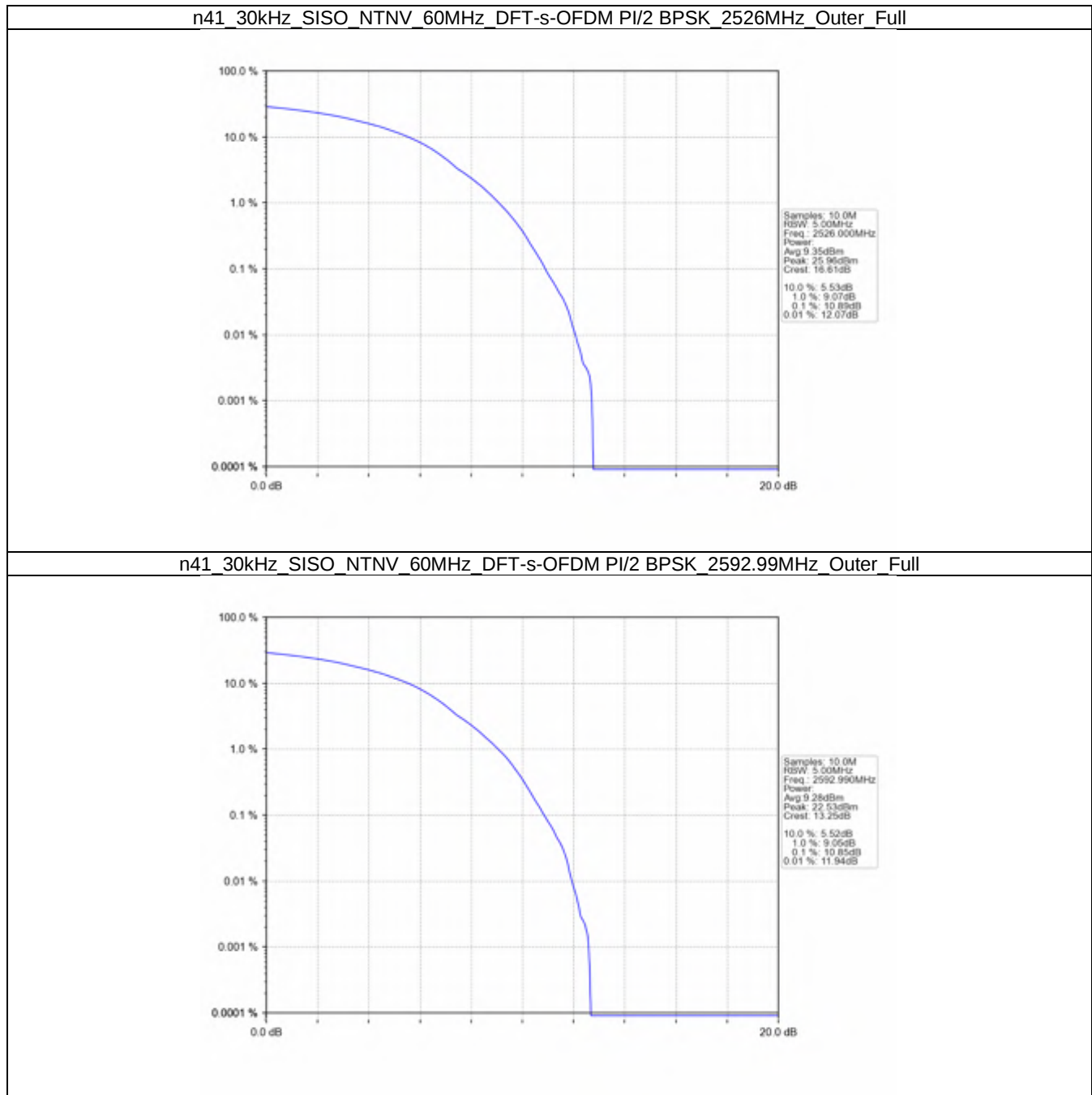
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6.13.2 Test Graph



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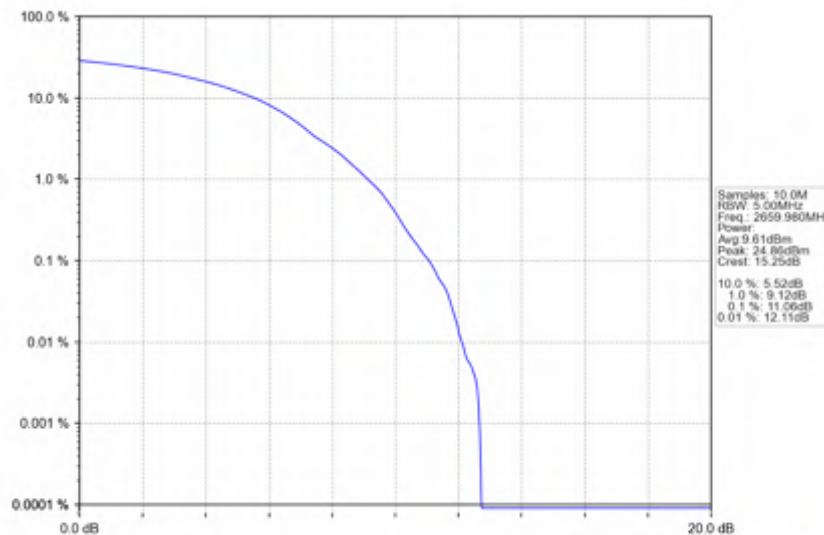
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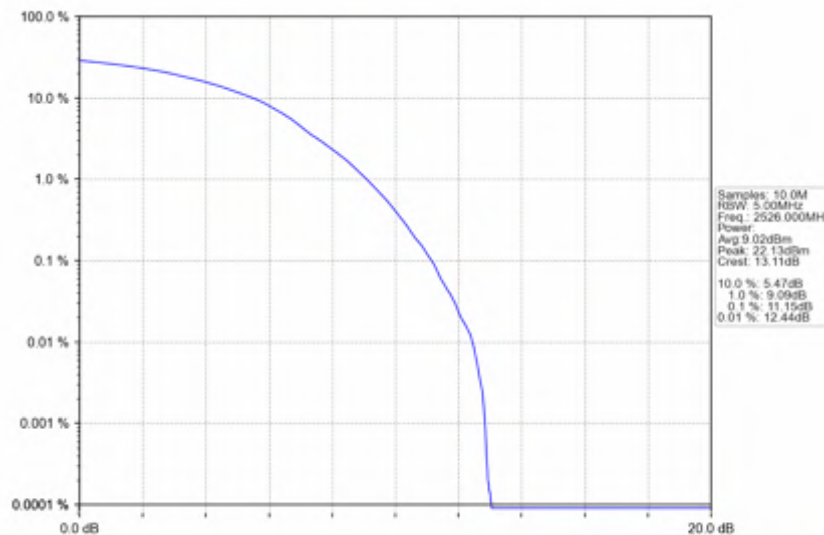
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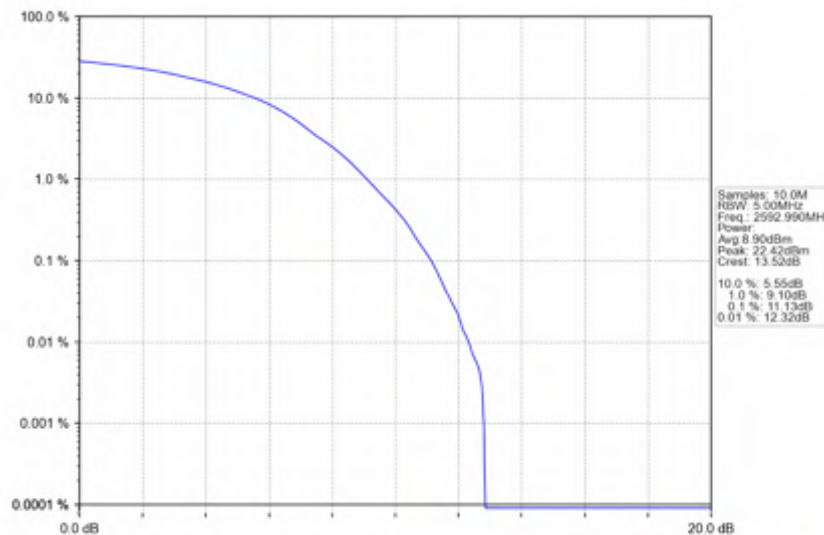
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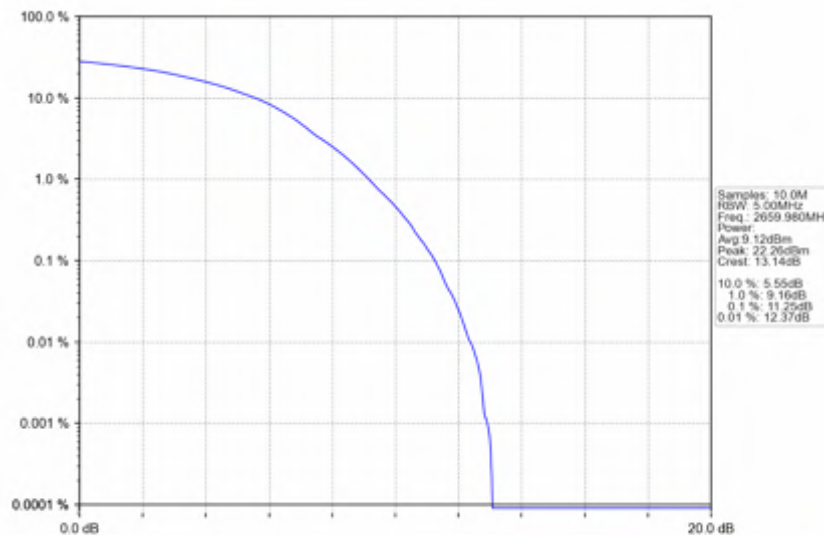
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n41_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_2592.99MHz_Outer_Full



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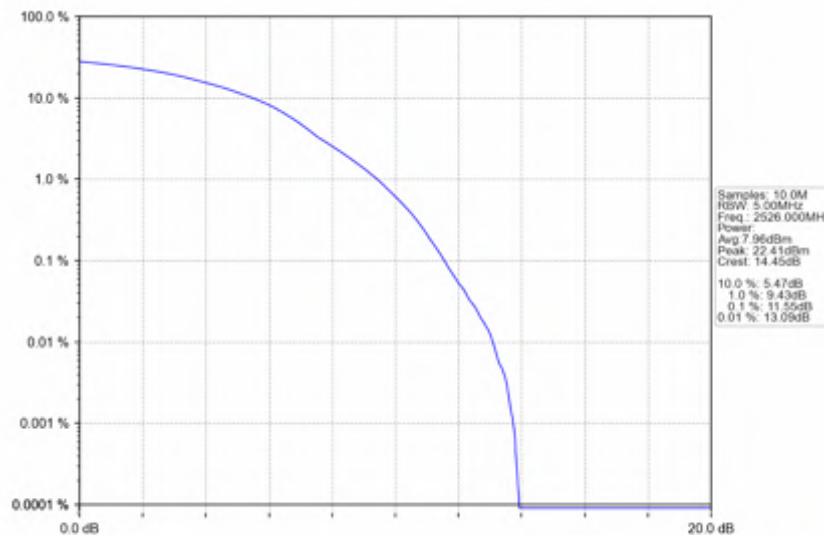
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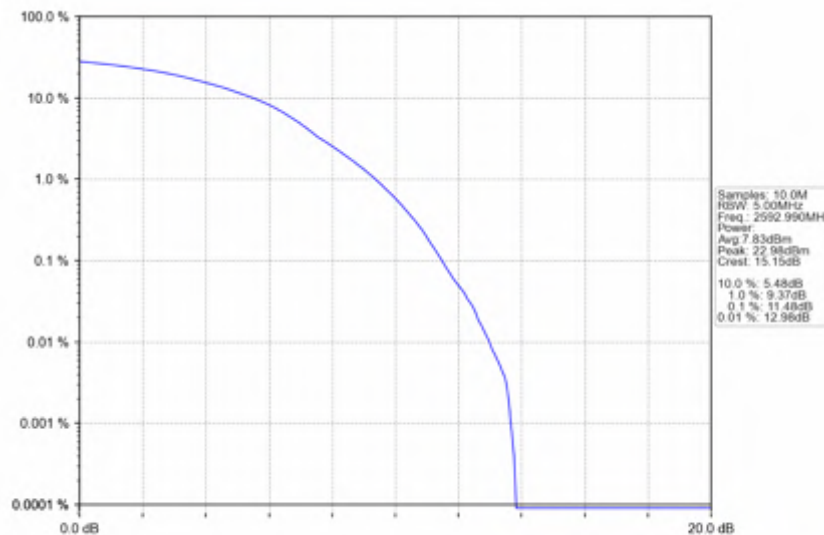
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n41_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_16_QAM_2526MHz_Outer_Full



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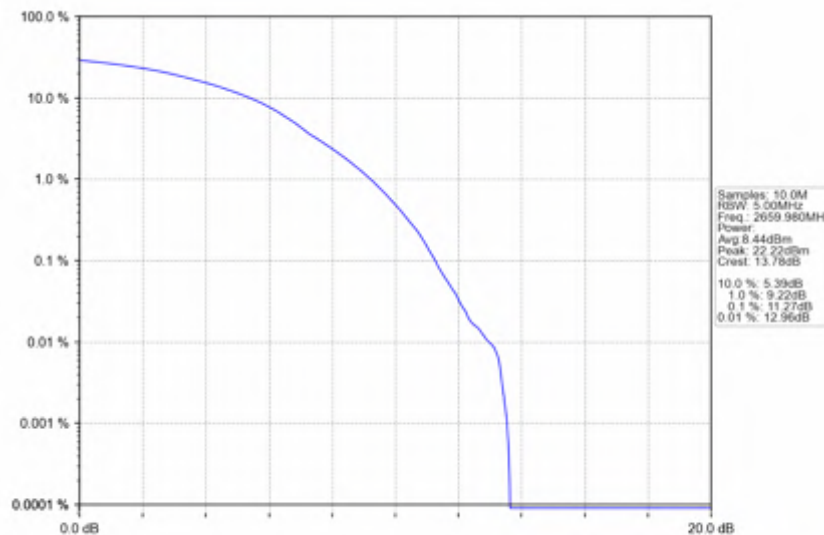
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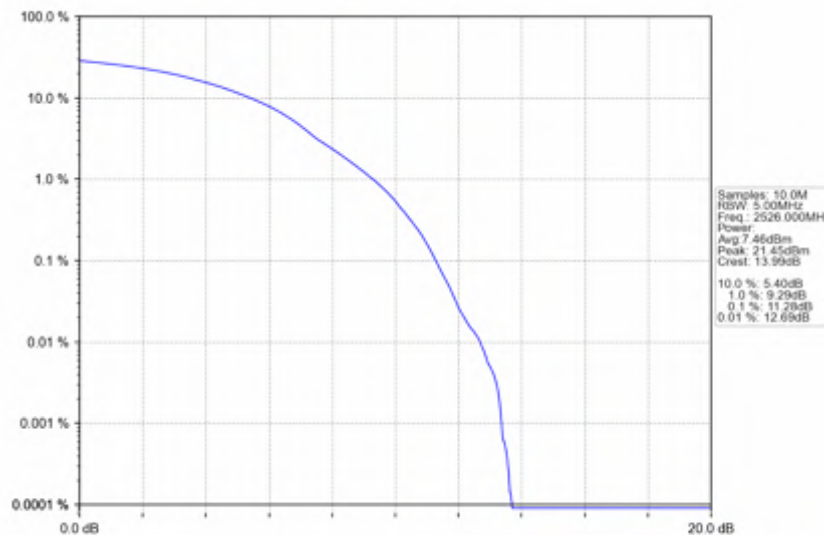
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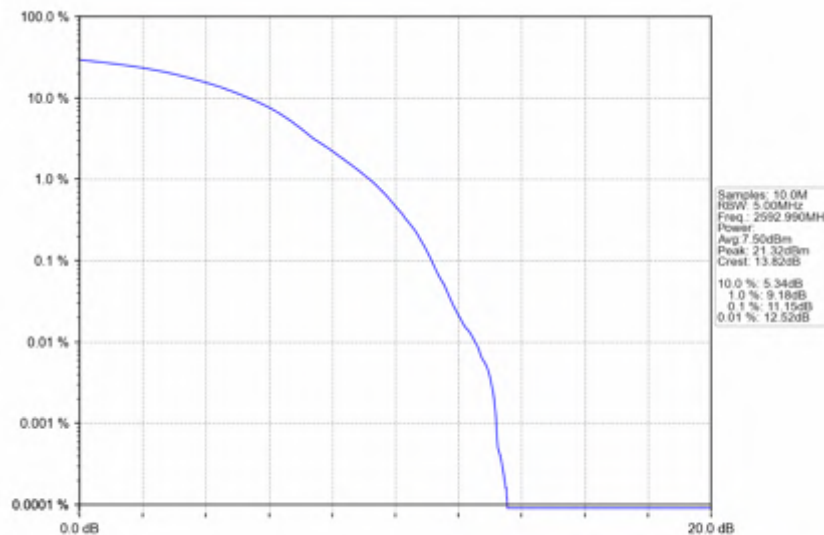
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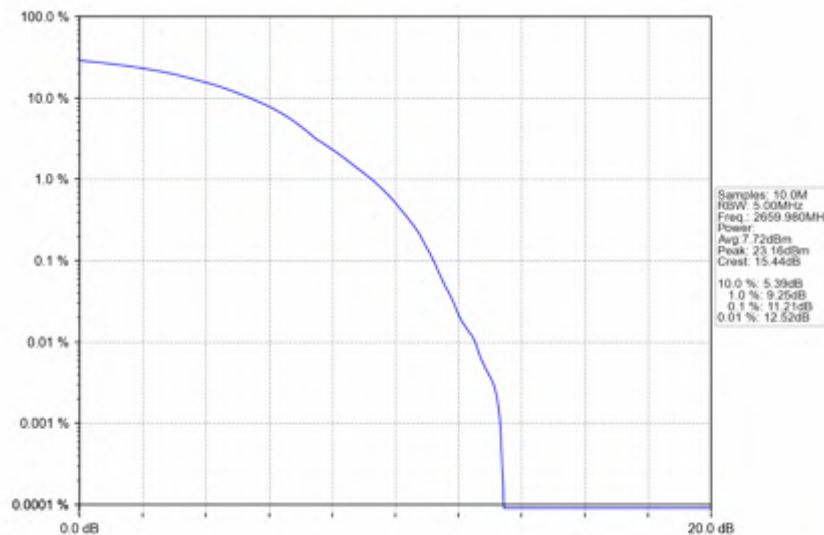
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n41_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 64 QAM_2592.99MHz_Outer_Full



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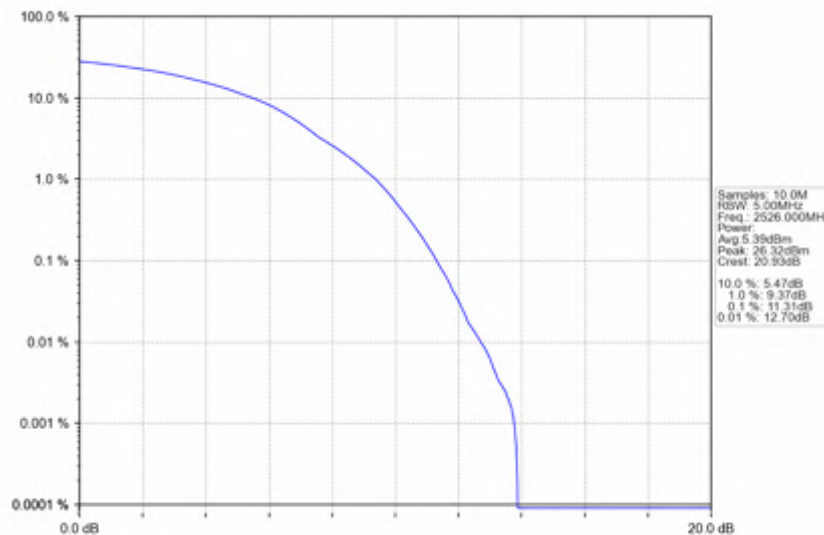
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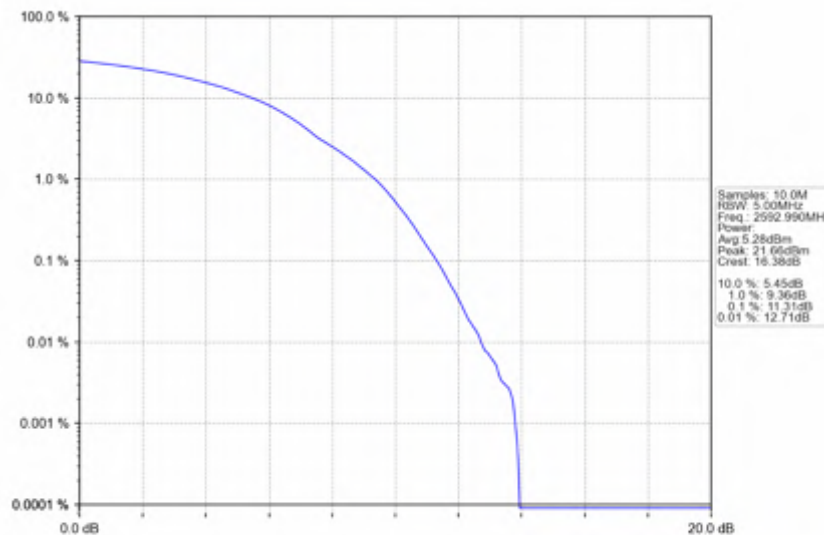
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n41_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_256_QAM_2526MHz_Outer_Full



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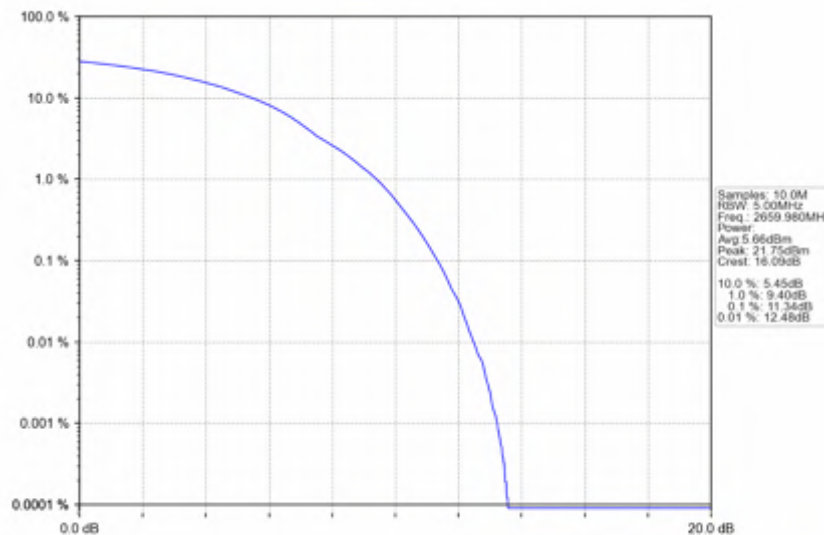
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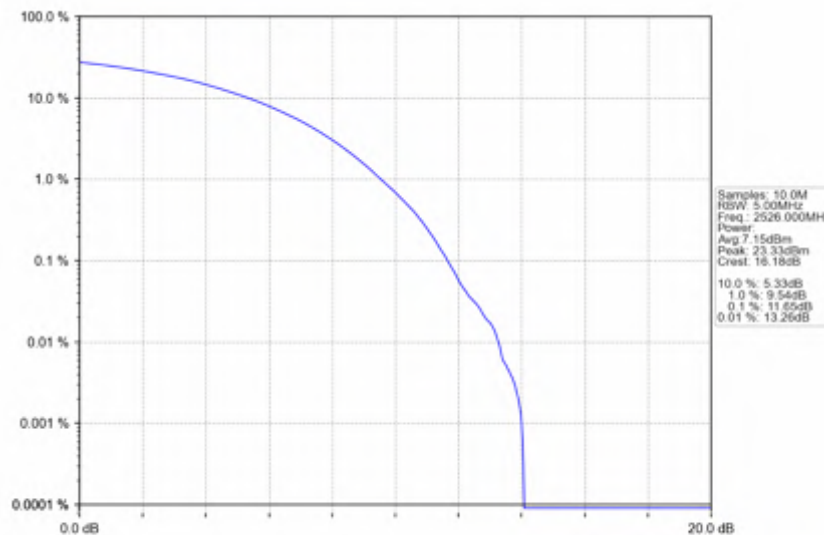
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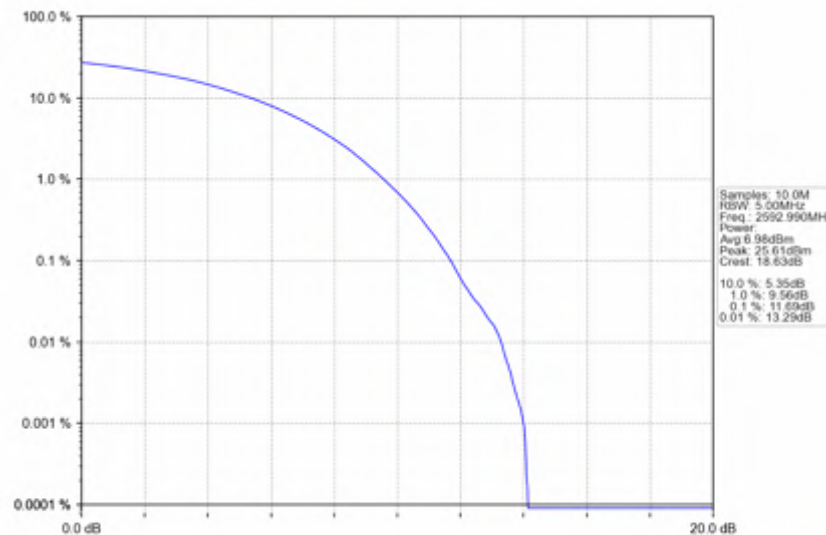


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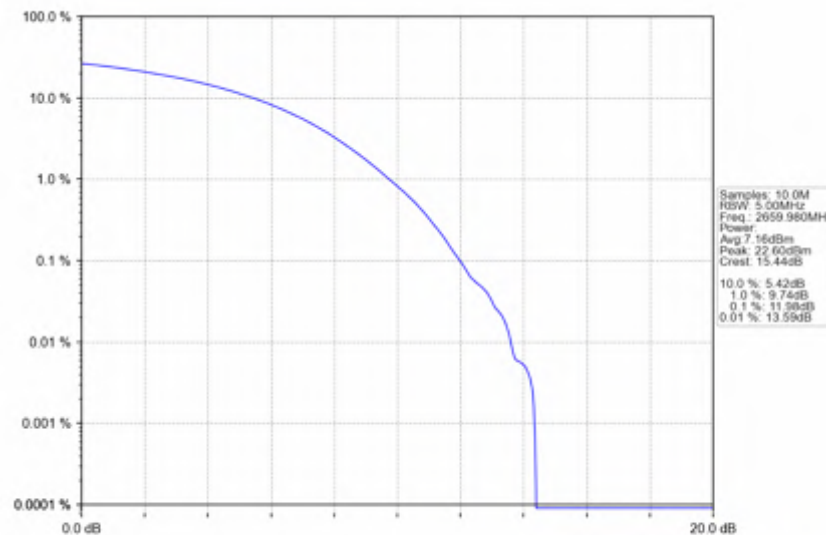
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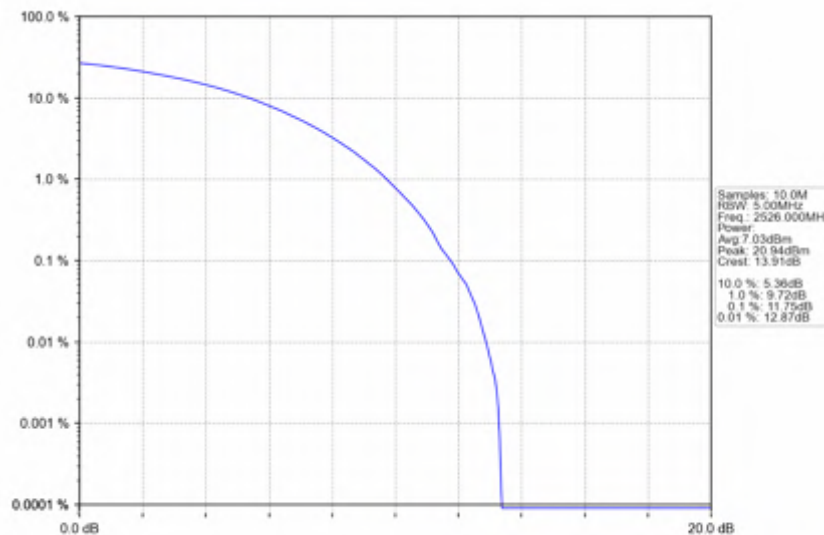


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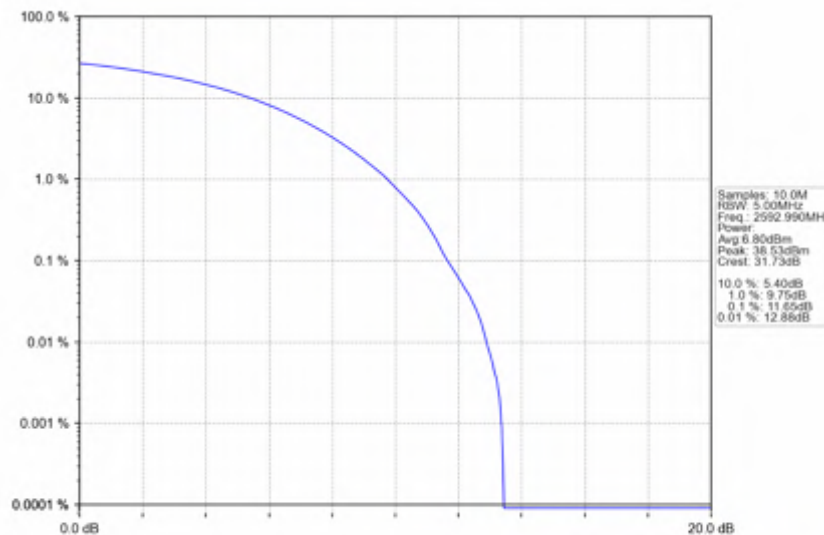
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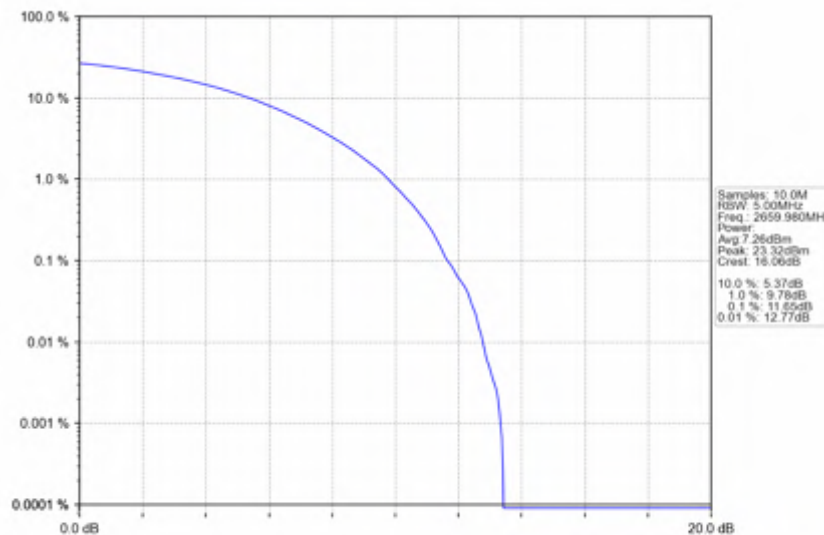
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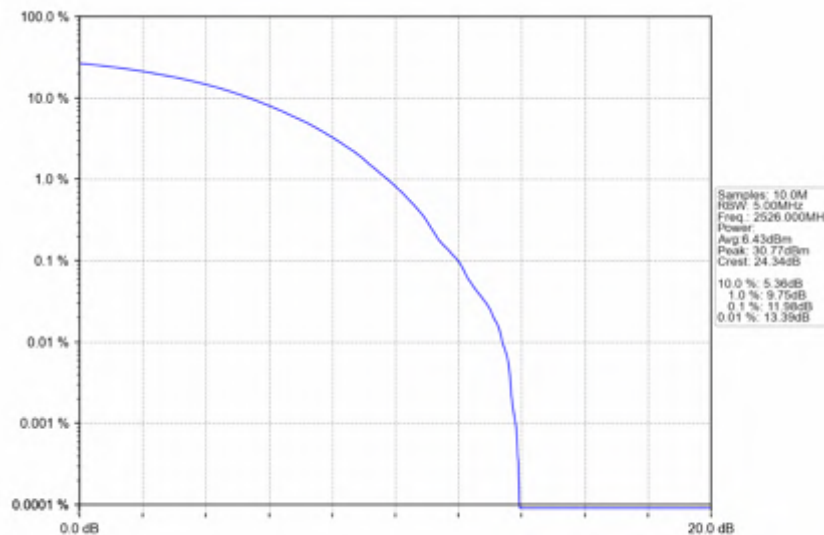
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n41	30kHz	SISO	NTNV	60MHz	CP-OFDM	16 QAM	2659.98MHz	Outer	Full
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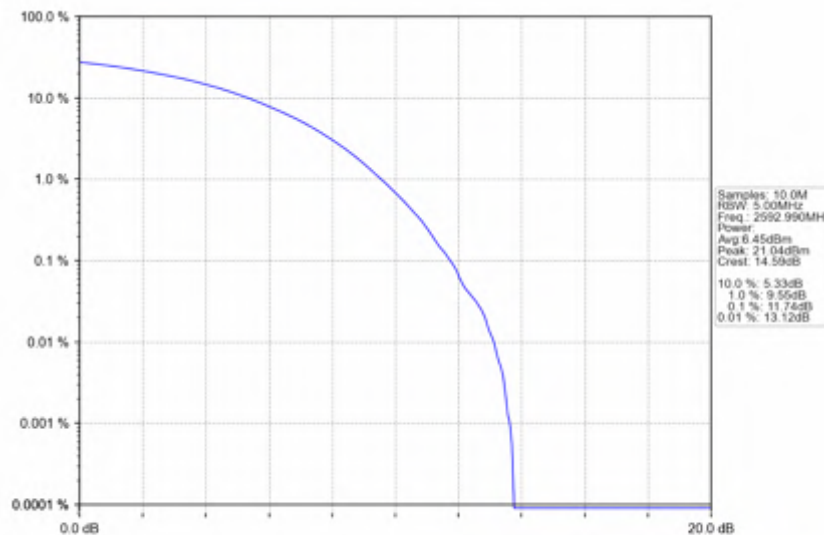


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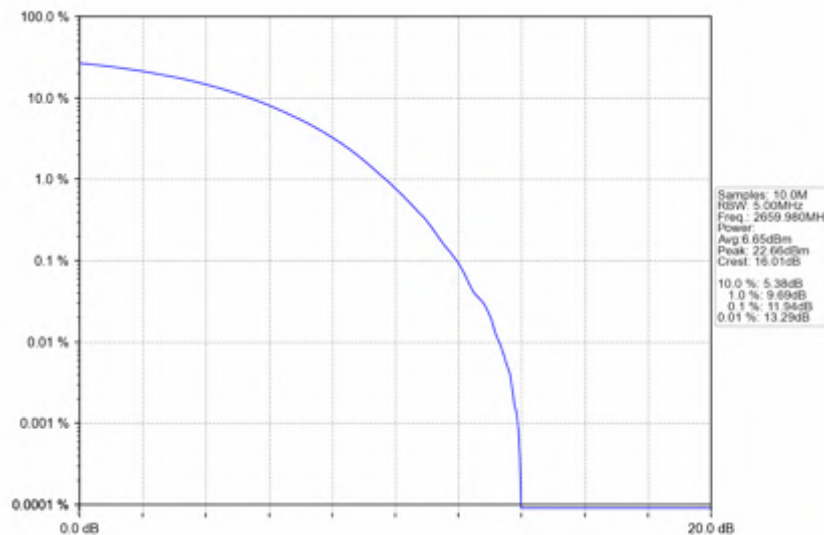
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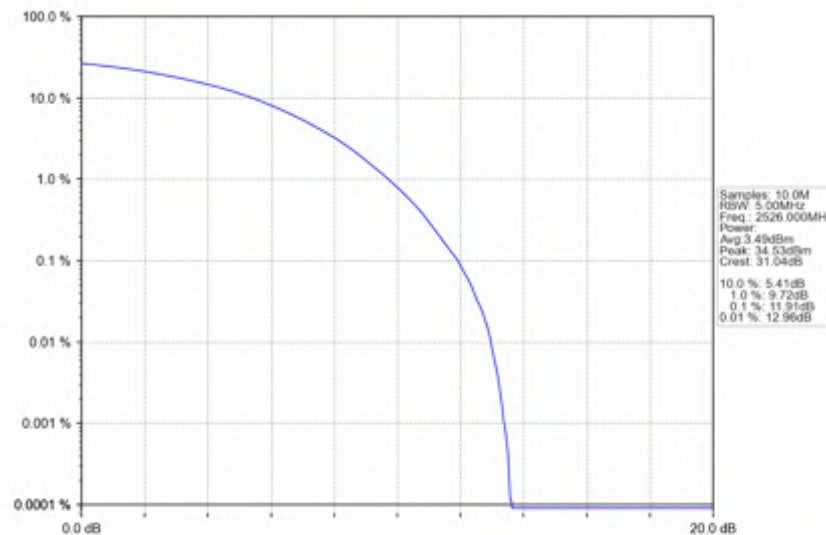


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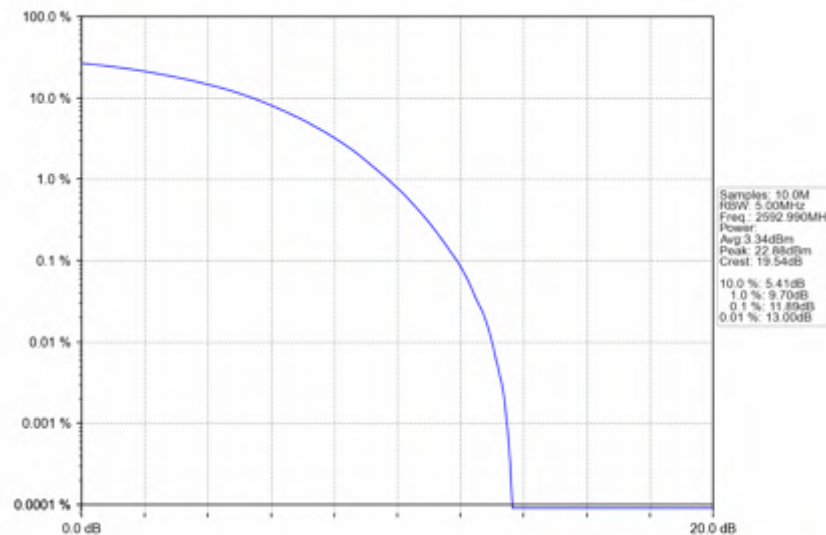
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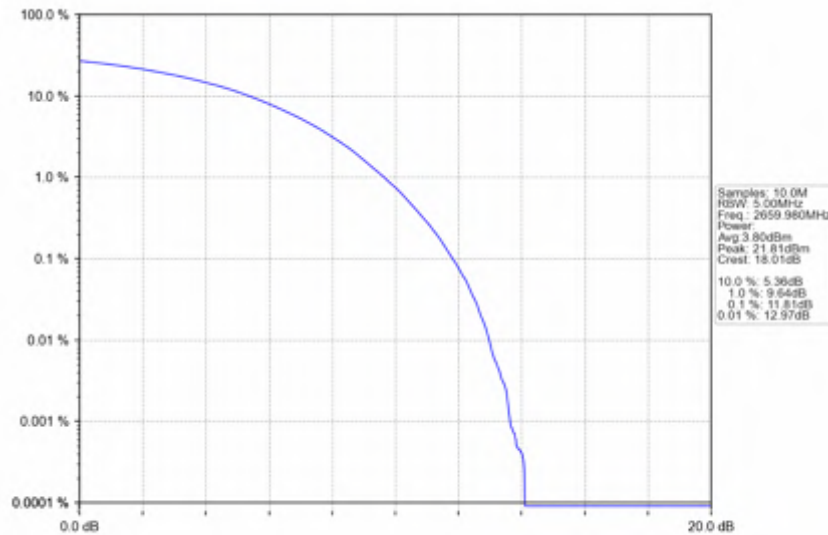
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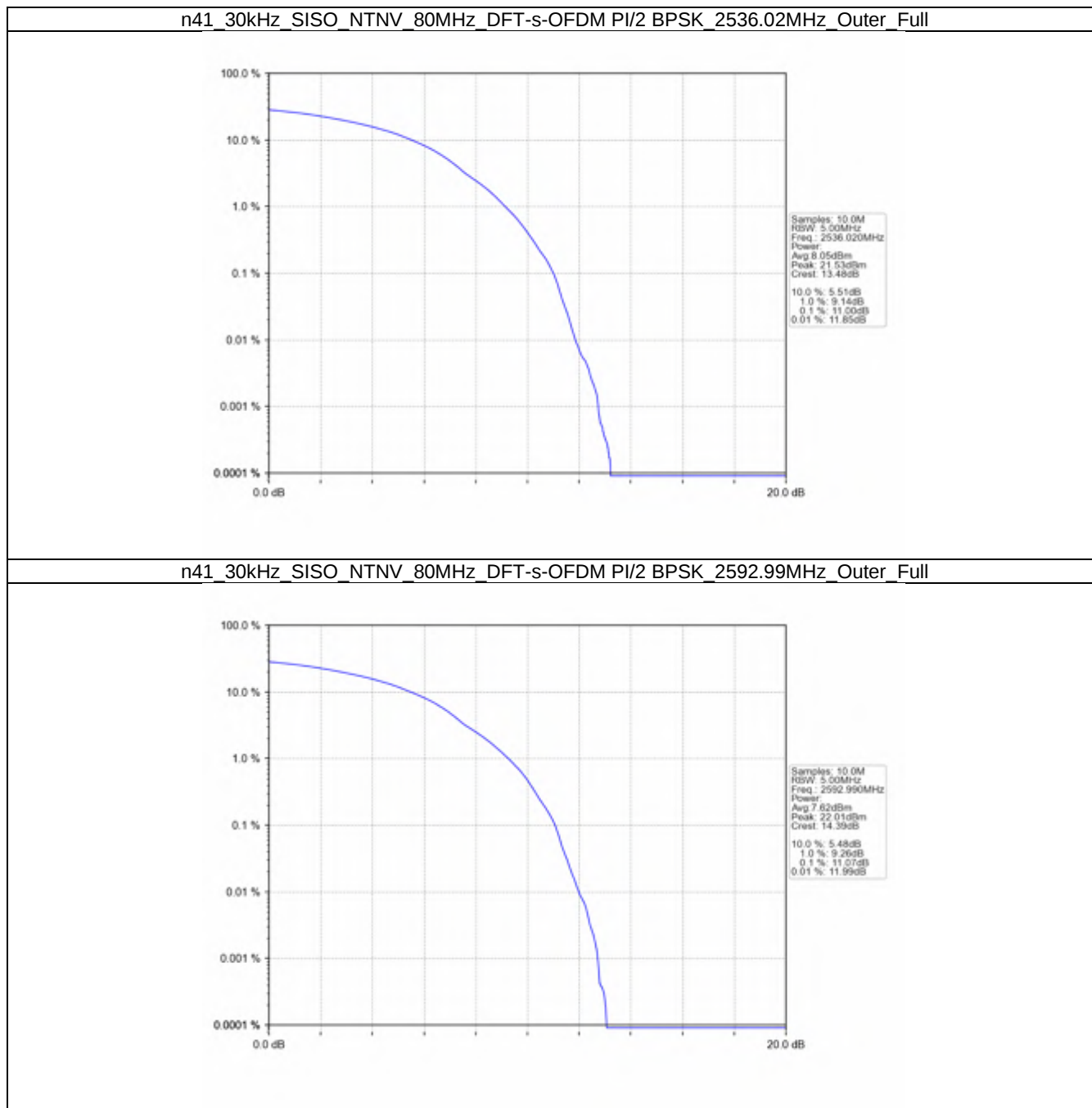
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6.14 30k_SISO_80MHz_NTNV

6.14.1 Test Result

5G NR n41 SCS=30kHz SISO 80MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2536.02	Outer_Full	11.00	/	/	<=13	Pass
	2592.99	Outer_Full	11.07	/	/	<=13	Pass
	2649.99	Outer_Full	11.04	/	/	<=13	Pass
DFT-s-OFDM QPSK	2536.02	Outer_Full	11.24	/	/	<=13	Pass
	2592.99	Outer_Full	11.17	/	/	<=13	Pass
	2649.99	Outer_Full	11.24	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2536.02	Outer_Full	11.25	/	/	<=13	Pass
	2592.99	Outer_Full	11.28	/	/	<=13	Pass
	2649.99	Outer_Full	11.34	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2536.02	Outer_Full	11.23	/	/	<=13	Pass
	2592.99	Outer_Full	11.29	/	/	<=13	Pass
	2649.99	Outer_Full	11.47	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2536.02	Outer_Full	11.51	/	/	<=13	Pass
	2592.99	Outer_Full	11.70	/	/	<=13	Pass
	2649.99	Outer_Full	11.60	/	/	<=13	Pass
CP-OFDM QPSK	2536.02	Outer_Full	11.71	/	/	<=13	Pass
	2592.99	Outer_Full	11.75	/	/	<=13	Pass
	2649.99	Outer_Full	11.91	/	/	<=13	Pass
CP-OFDM 16 QAM	2536.02	Outer_Full	11.50	/	/	<=13	Pass
	2592.99	Outer_Full	11.74	/	/	<=13	Pass
	2649.99	Outer_Full	11.75	/	/	<=13	Pass
CP-OFDM 64 QAM	2536.02	Outer_Full	11.92	/	/	<=13	Pass
	2592.99	Outer_Full	11.95	/	/	<=13	Pass
	2649.99	Outer_Full	11.74	/	/	<=13	Pass
CP-OFDM 256 QAM	2536.02	Outer_Full	11.81	/	/	<=13	Pass
	2592.99	Outer_Full	11.69	/	/	<=13	Pass
	2649.99	Outer_Full	11.86	/	/	<=13	Pass

6.14.2 Test Graph



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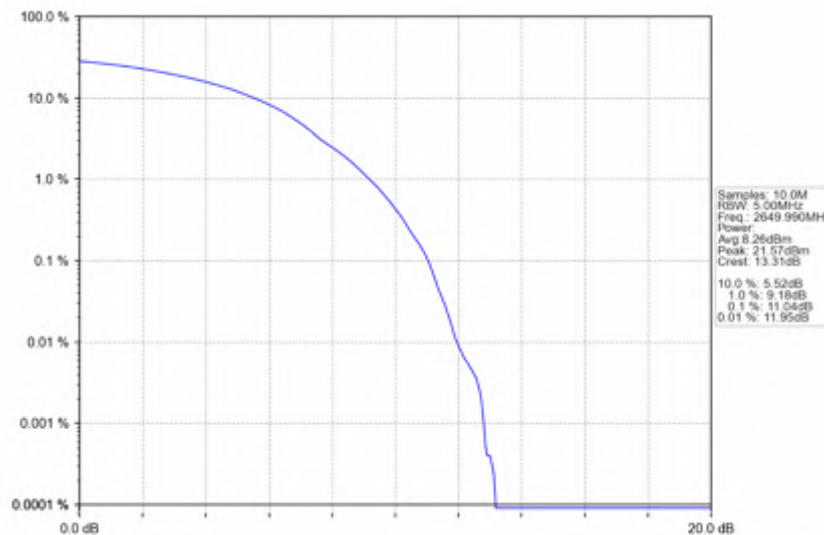
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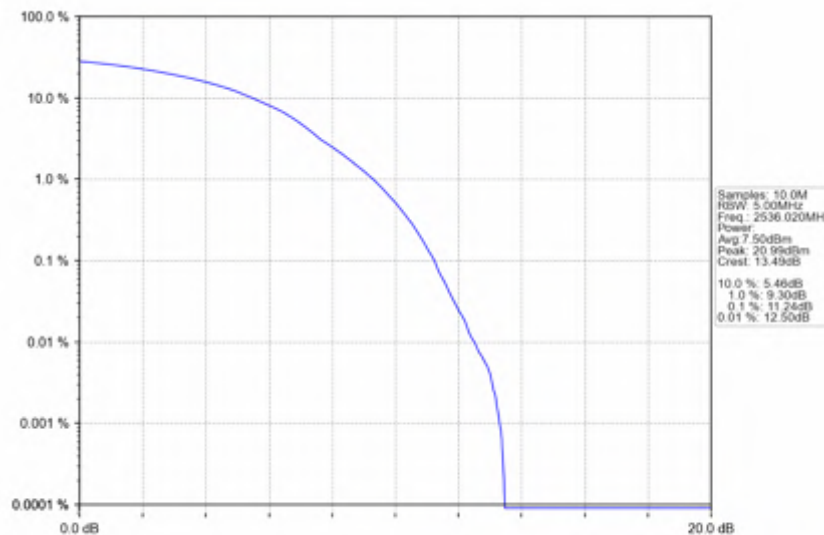
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n41_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_2536.02MHz_Outer_Full



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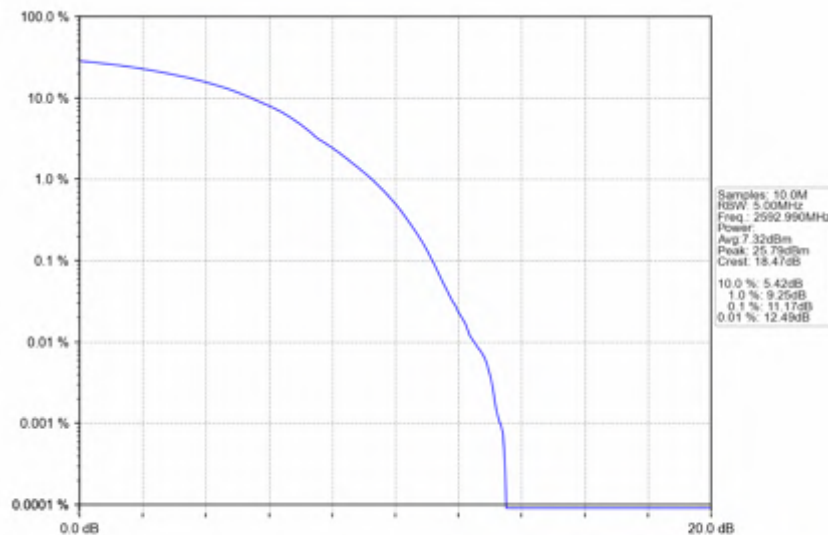
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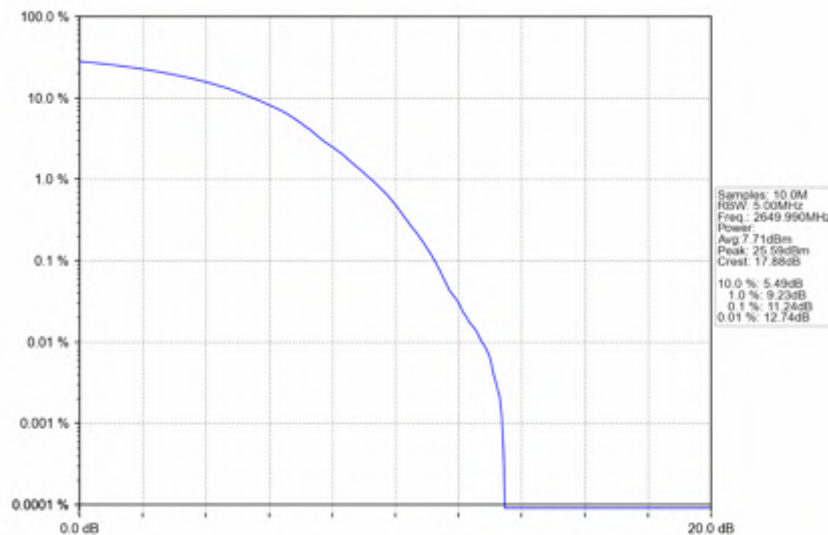
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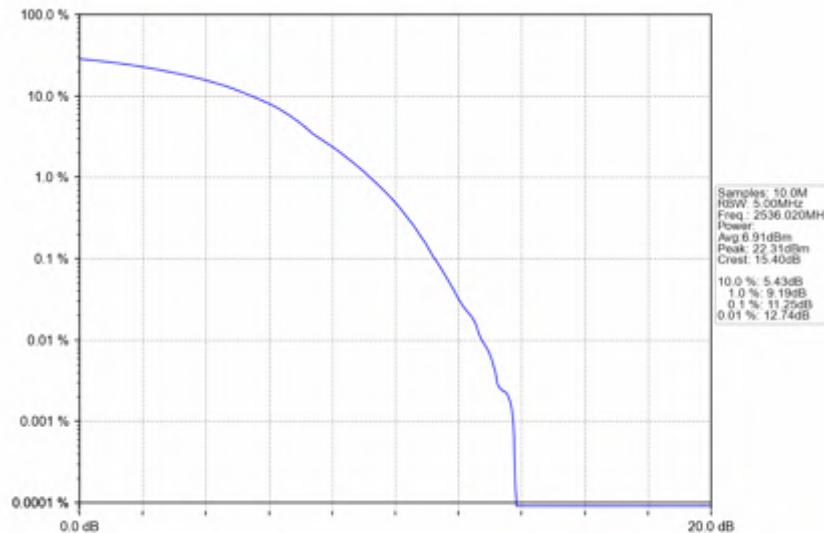


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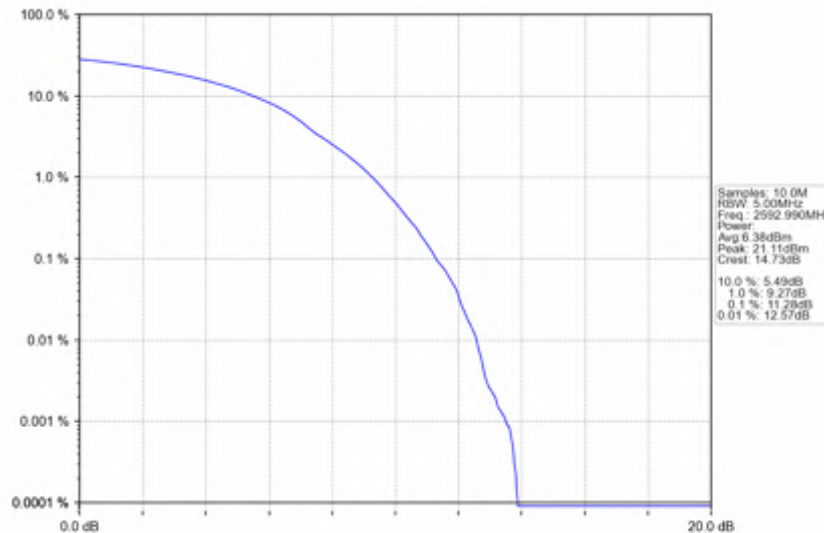
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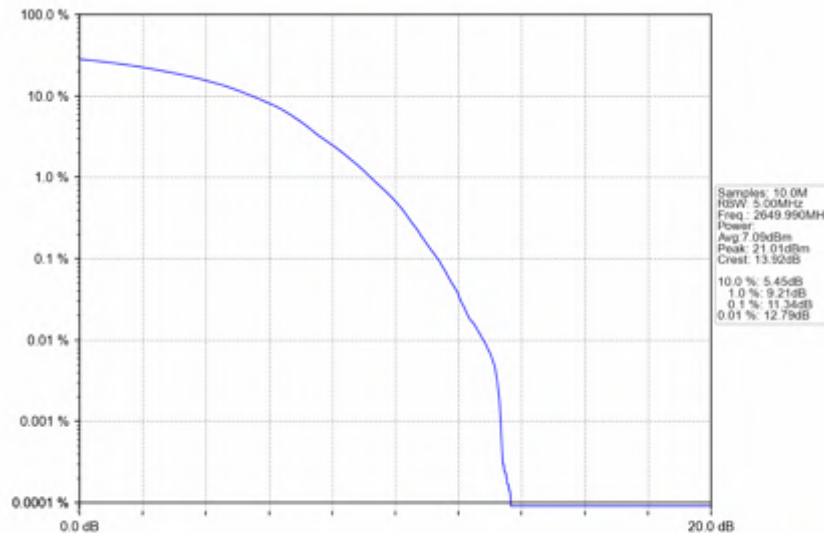
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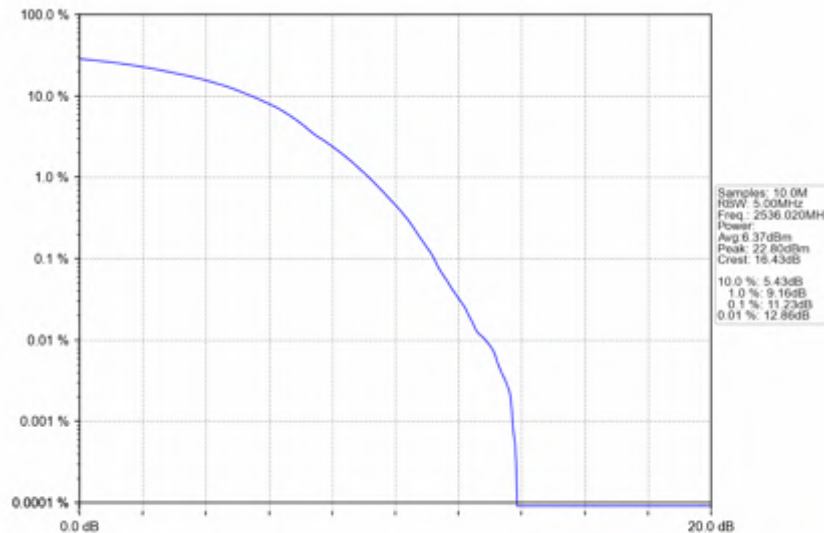
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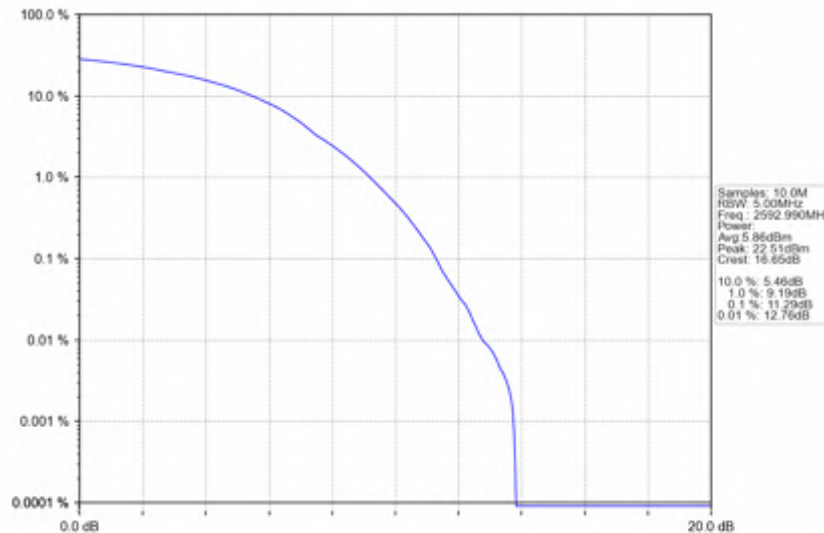
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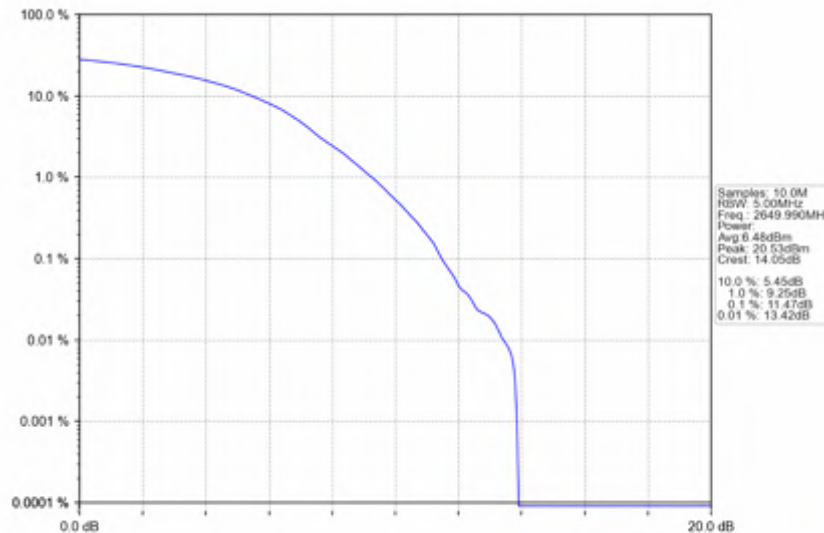
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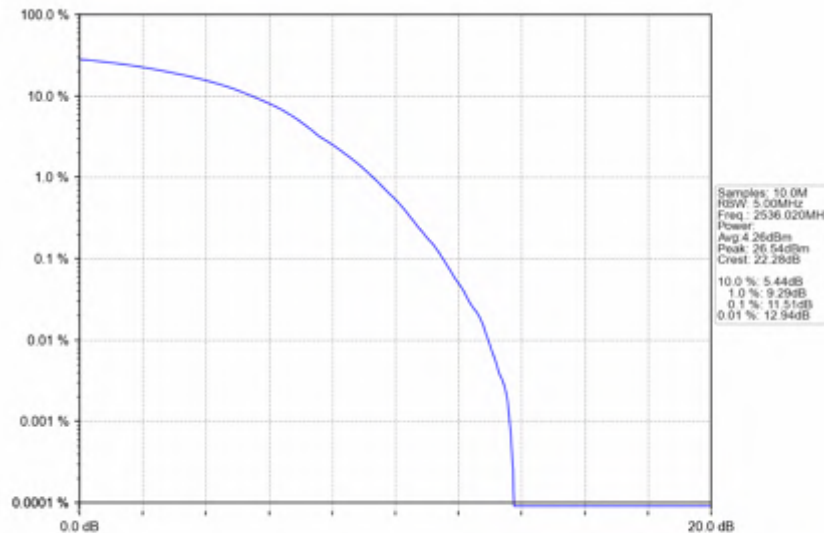
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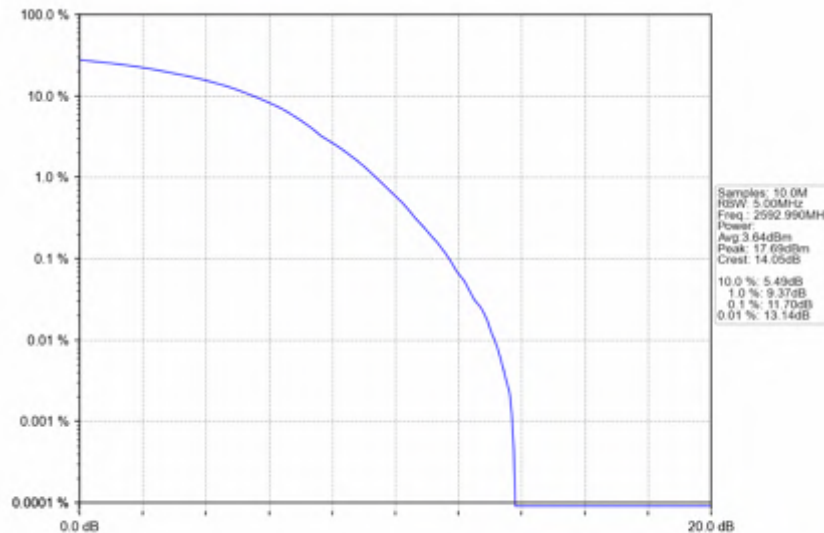
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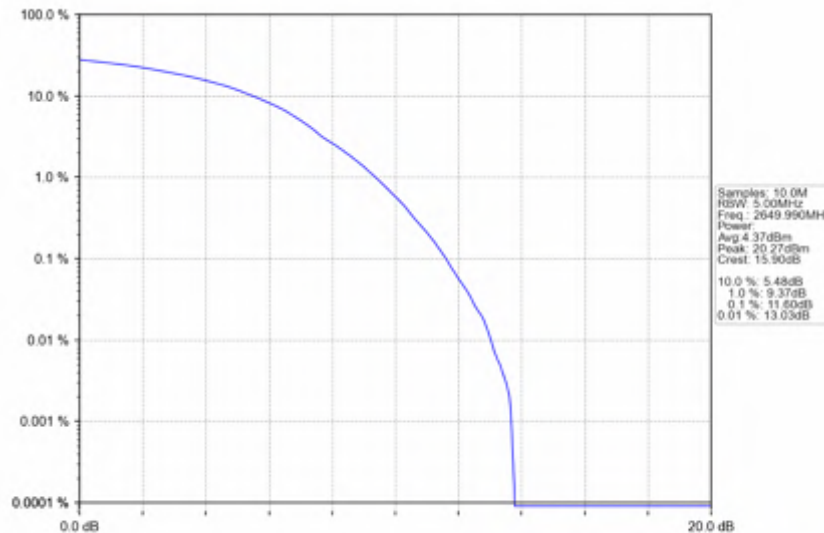


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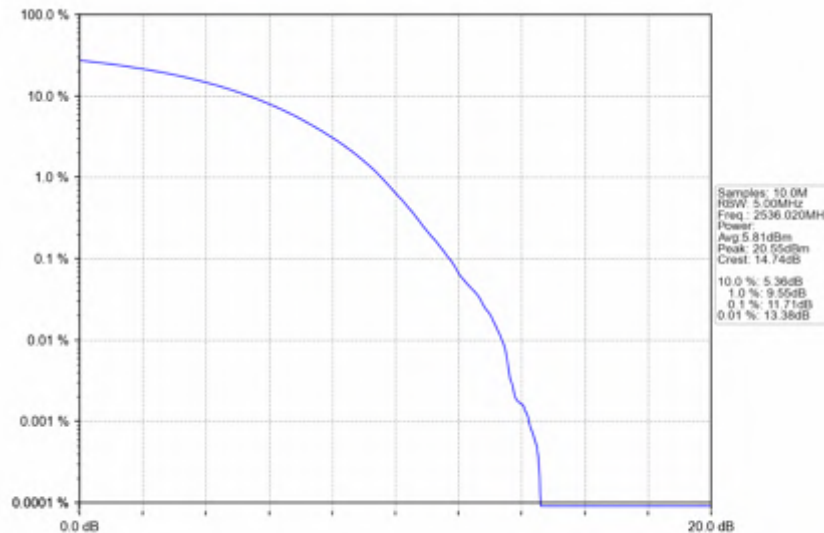
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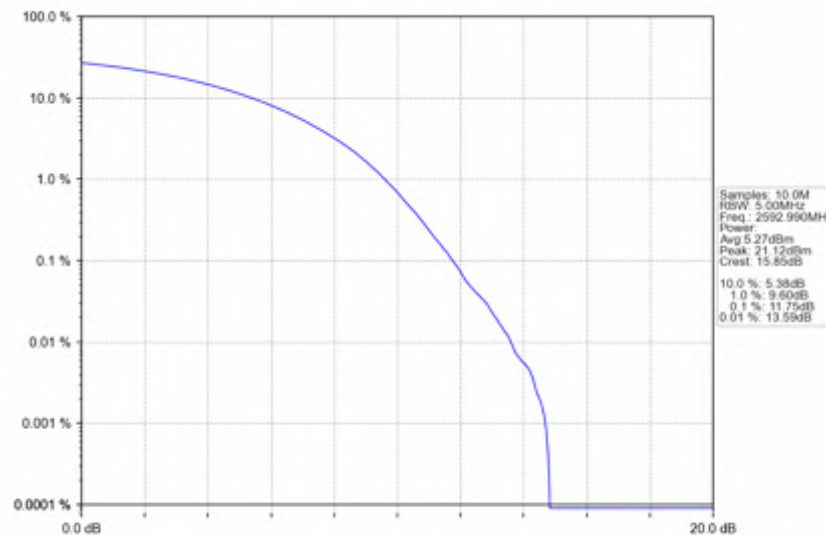
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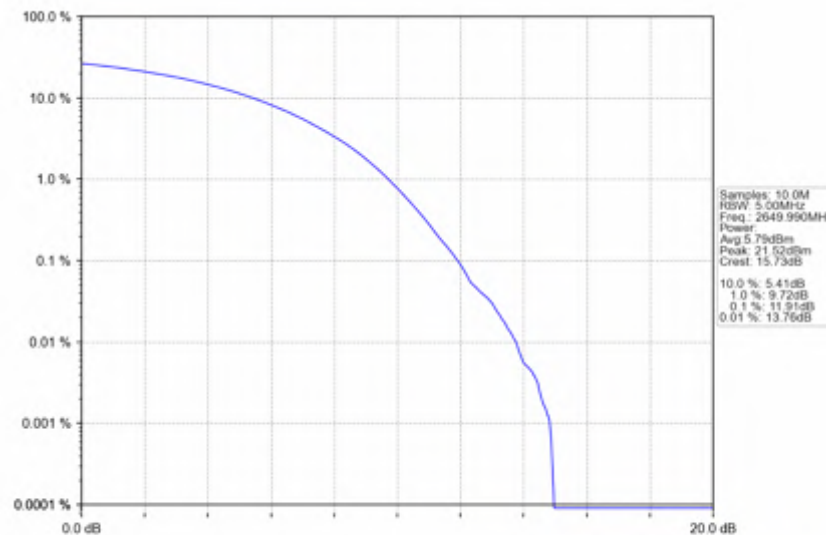
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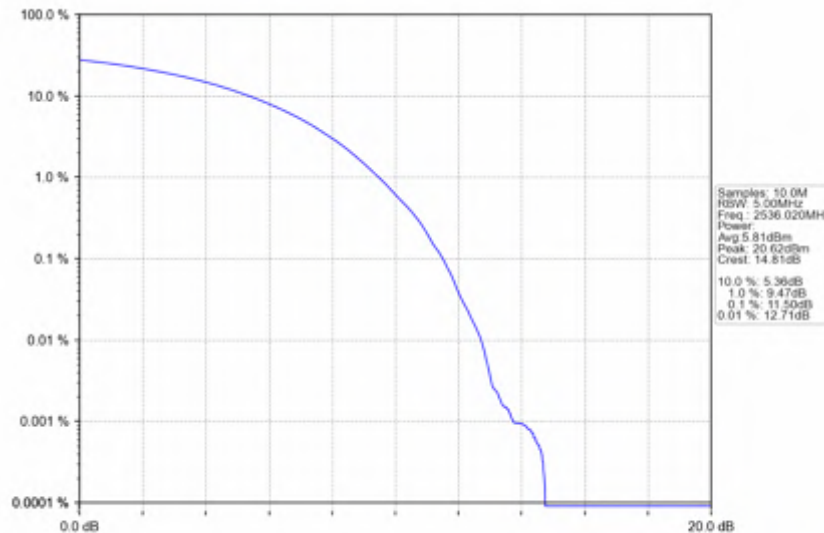
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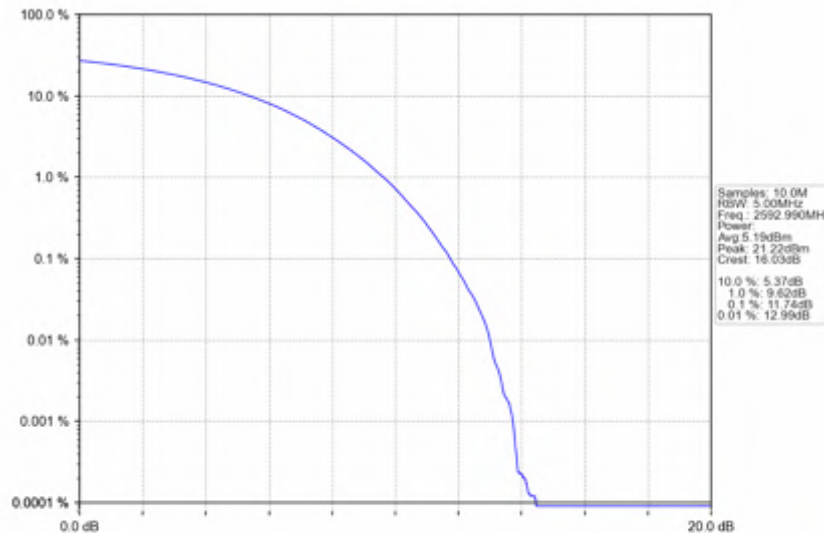
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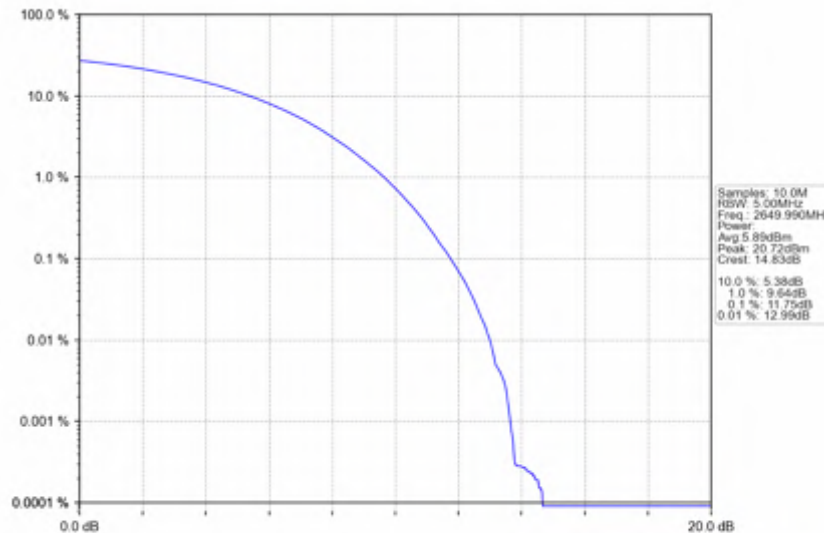
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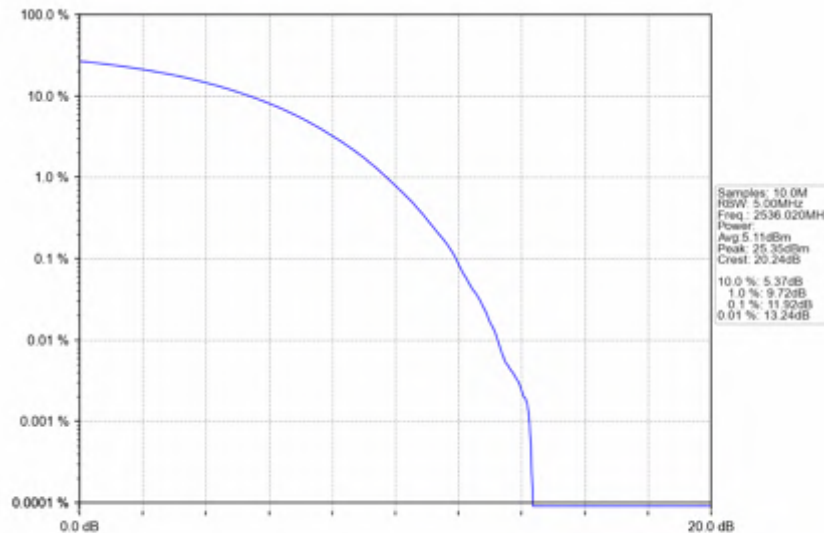
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n41_30kHz_SISO_NTNV_80MHz_CP-OFDM_16_QAM_2649.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_80MHz_CP-OFDM_64_QAM_2536.02MHz_Outer_Full

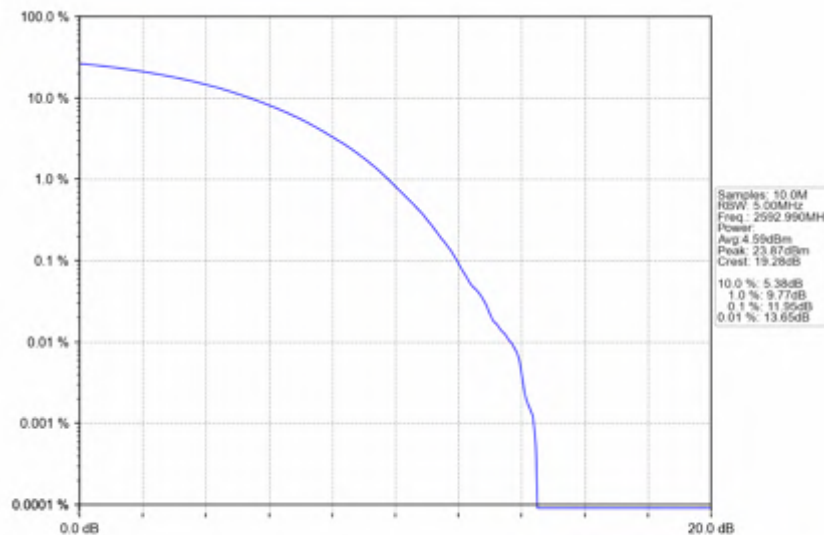


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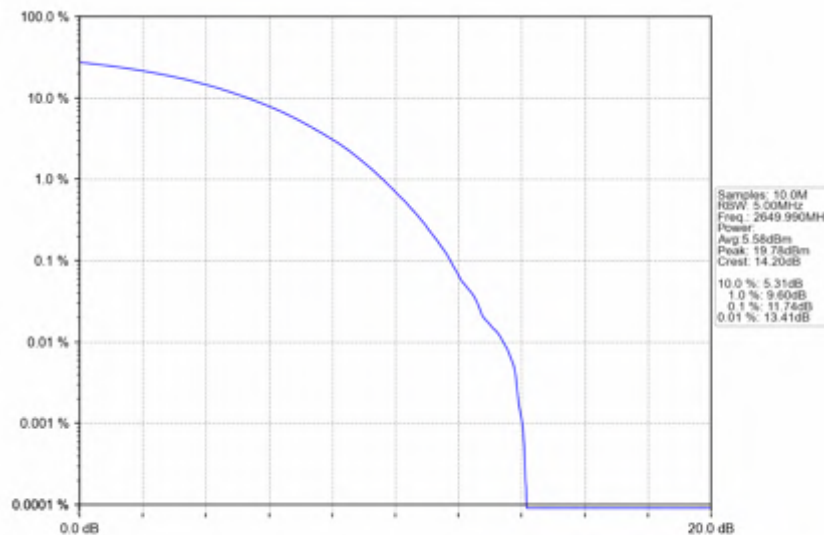
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n41_30kHz_SISO_NTNV_80MHz_CP-OFDM 64 QAM_2592.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_80MHz_CP-OFDM 64 QAM_2649.99MHz_Outer_Full



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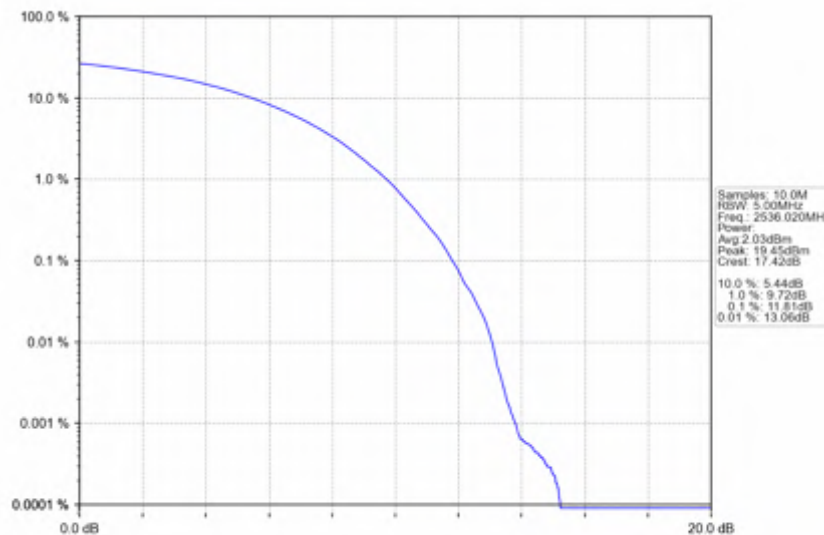
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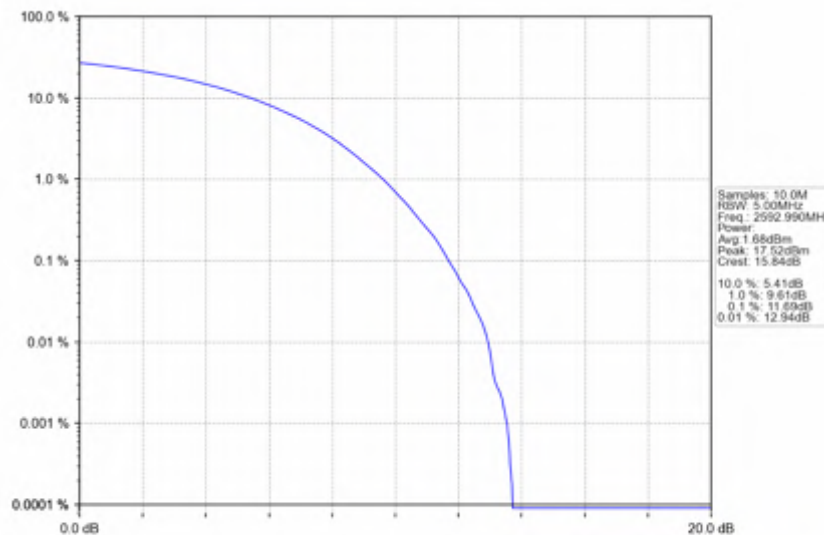
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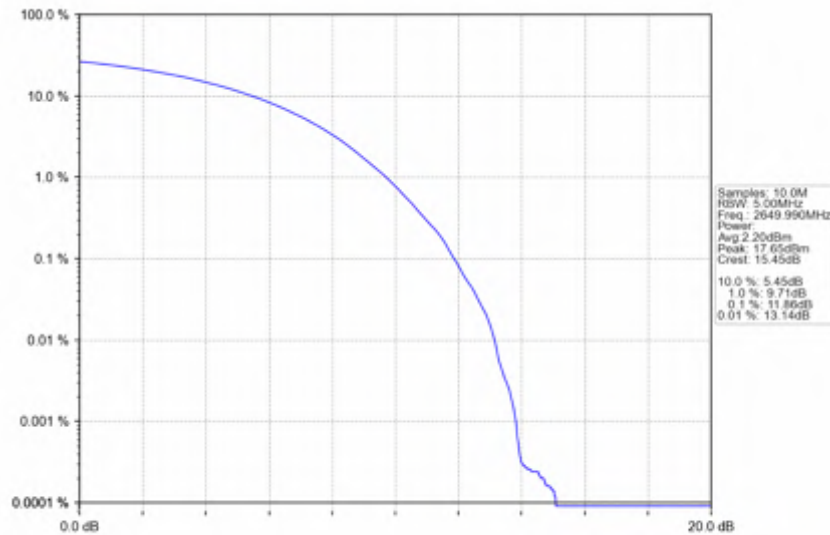
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n41_30kHz_SISO_NTNV_80MHz_CP-OFDM_256_QAM_2649.99MHz_Outer_Full



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6.15 30k_SISO_90MHz_NTNV

6.15.1 Test Result

5G NR n41 SCS=30kHz SISO 90MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2541	Outer_Full	11.25	/	/	<=13	Pass
	2592.99	Outer_Full	10.90	/	/	<=13	Pass
	2644.98	Outer_Full	10.97	/	/	<=13	Pass
DFT-s-OFDM QPSK	2541	Outer_Full	11.46	/	/	<=13	Pass
	2592.99	Outer_Full	11.48	/	/	<=13	Pass
	2644.98	Outer_Full	11.29	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2541	Outer_Full	11.61	/	/	<=13	Pass
	2592.99	Outer_Full	11.39	/	/	<=13	Pass
	2644.98	Outer_Full	11.45	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2541	Outer_Full	11.26	/	/	<=13	Pass
	2592.99	Outer_Full	11.29	/	/	<=13	Pass
	2644.98	Outer_Full	11.28	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2541	Outer_Full	11.31	/	/	<=13	Pass
	2592.99	Outer_Full	11.37	/	/	<=13	Pass
	2644.98	Outer_Full	11.32	/	/	<=13	Pass
CP-OFDM QPSK	2541	Outer_Full	11.69	/	/	<=13	Pass
	2592.99	Outer_Full	11.73	/	/	<=13	Pass
	2644.98	Outer_Full	11.53	/	/	<=13	Pass
CP-OFDM 16 QAM	2541	Outer_Full	11.98	/	/	<=13	Pass
	2592.99	Outer_Full	11.89	/	/	<=13	Pass
	2644.98	Outer_Full	11.83	/	/	<=13	Pass
CP-OFDM 64 QAM	2541	Outer_Full	11.58	/	/	<=13	Pass
	2592.99	Outer_Full	11.67	/	/	<=13	Pass
	2644.98	Outer_Full	11.62	/	/	<=13	Pass
CP-OFDM 256 QAM	2541	Outer_Full	11.76	/	/	<=13	Pass
	2592.99	Outer_Full	11.73	/	/	<=13	Pass
	2644.98	Outer_Full	11.77	/	/	<=13	Pass



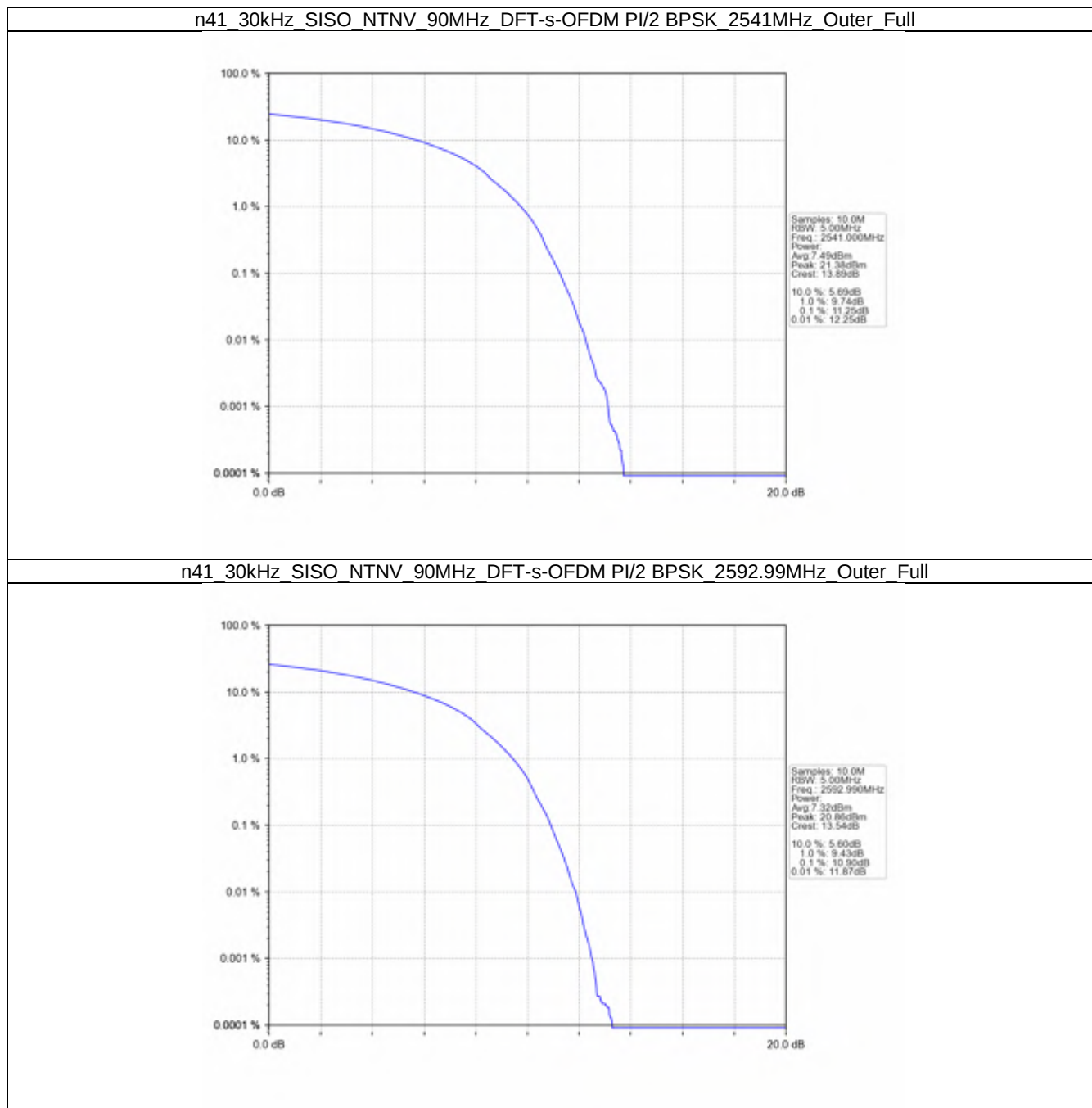
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6.15.2 Test Graph



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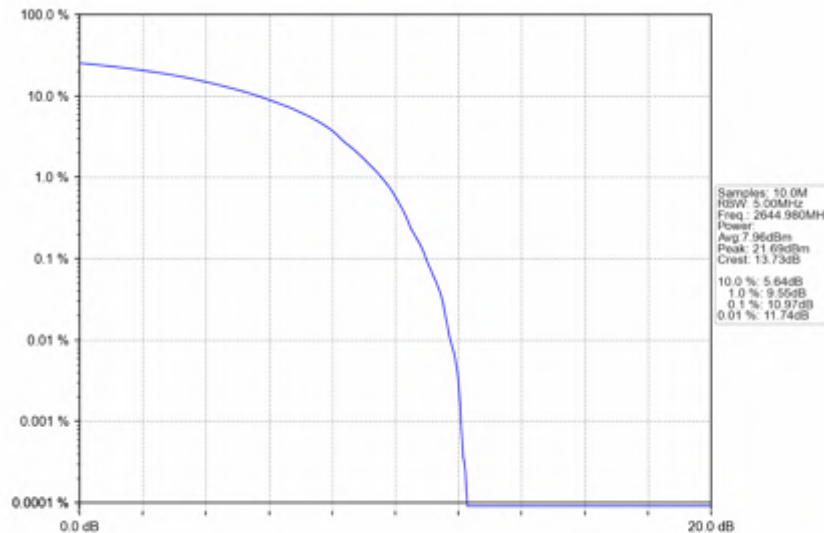
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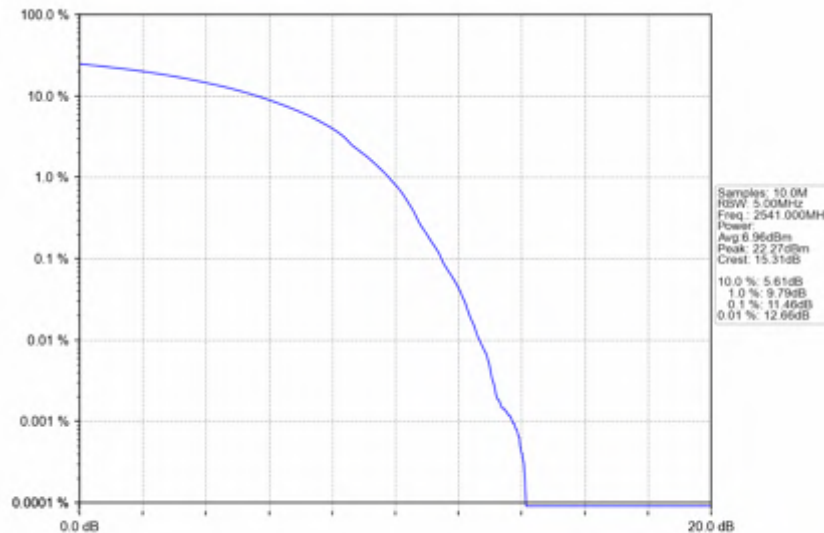
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n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_2644.98MHz_Outer_Full



n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_2541MHz_Outer_Full

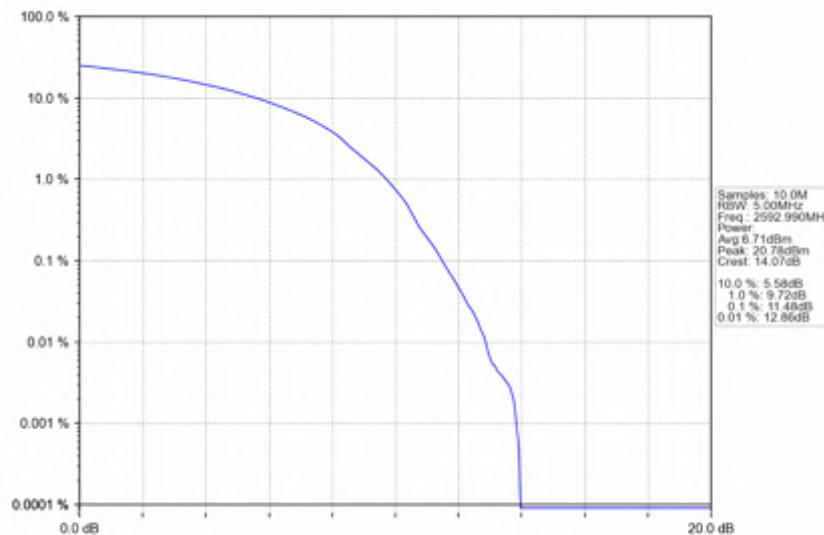


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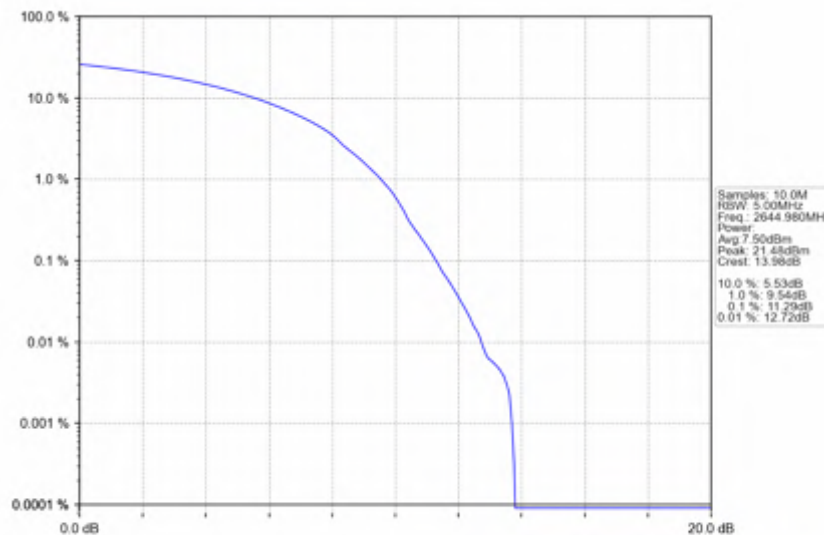
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n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_2644.98MHz_Outer_Full



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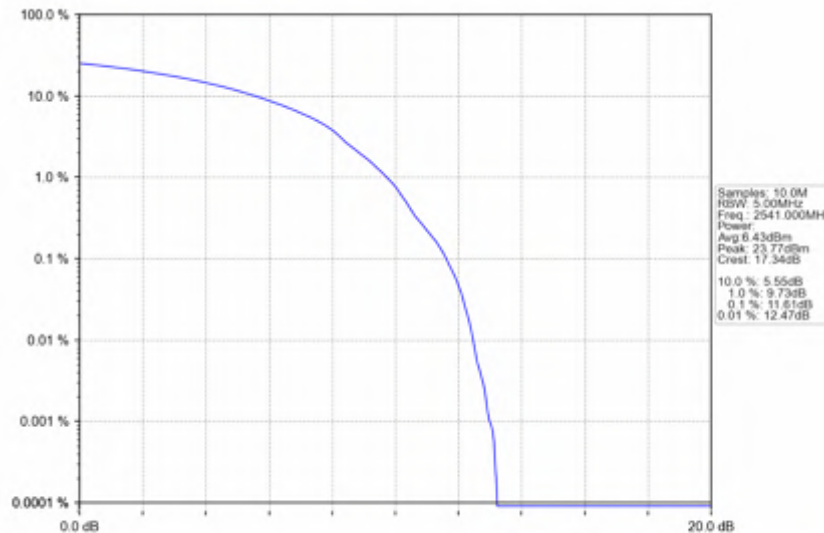
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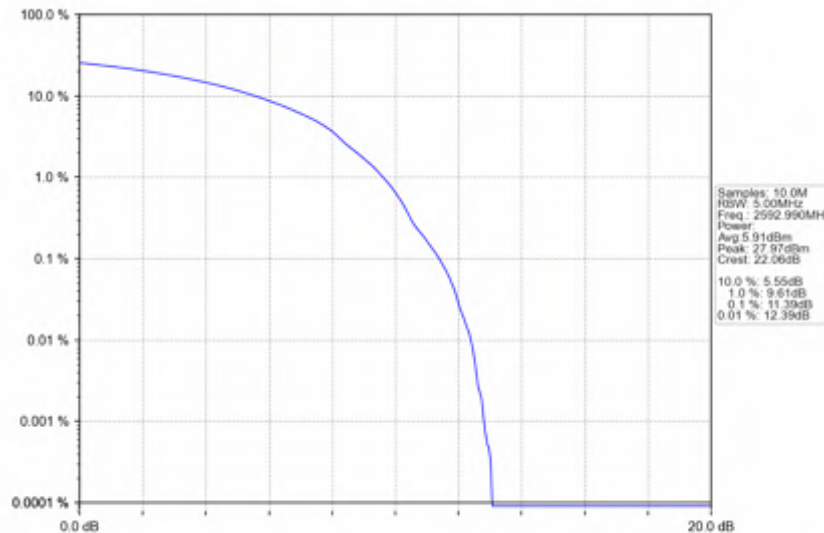
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n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_2541MHz_Outer_Full



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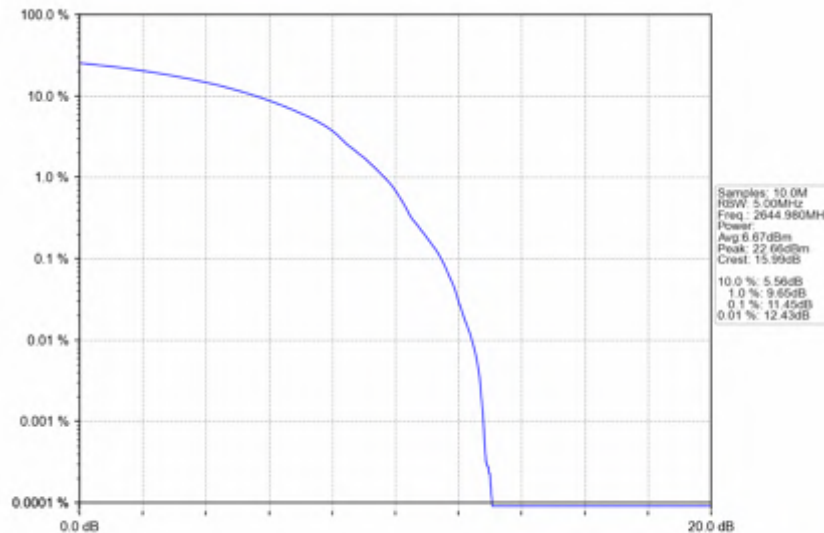
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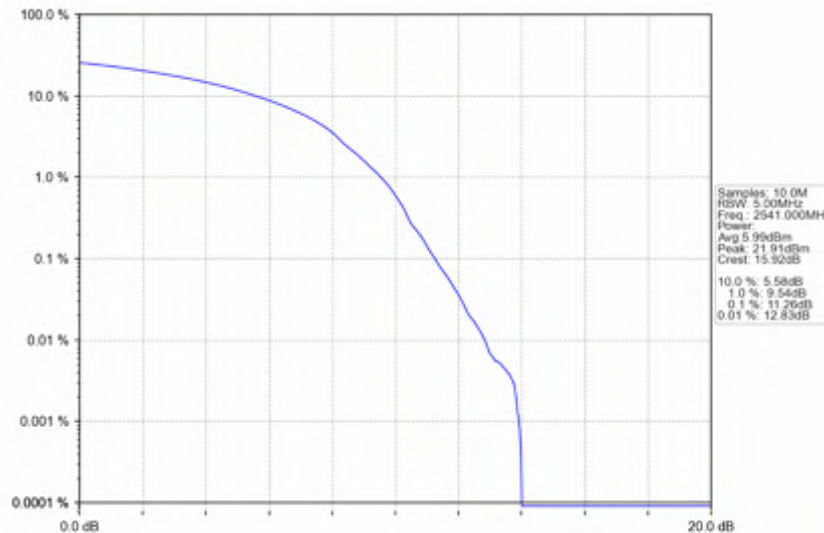
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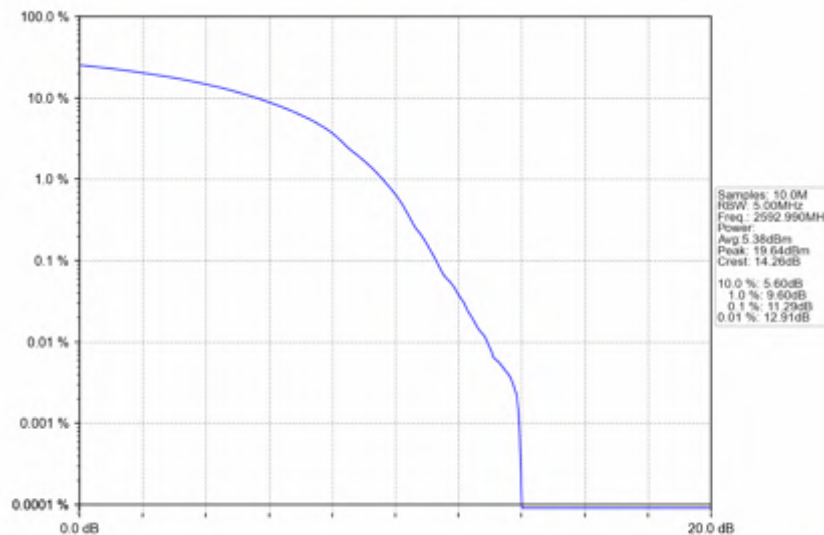
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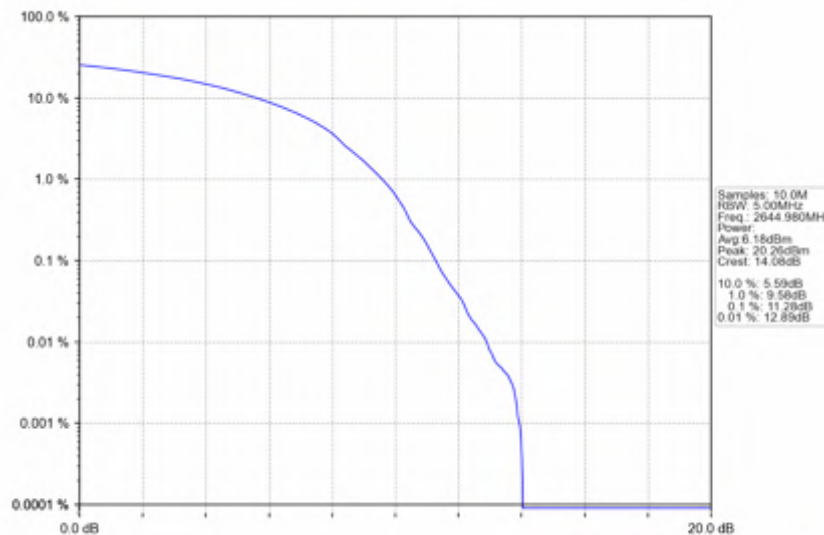
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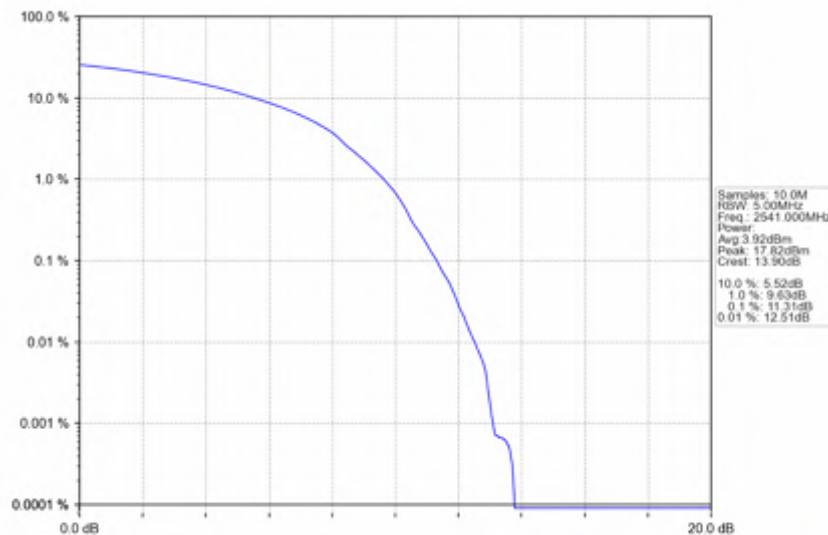
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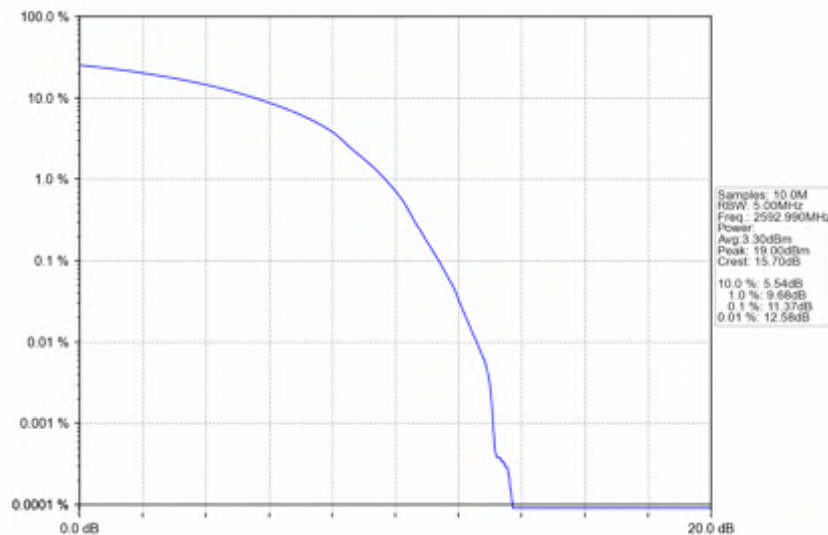
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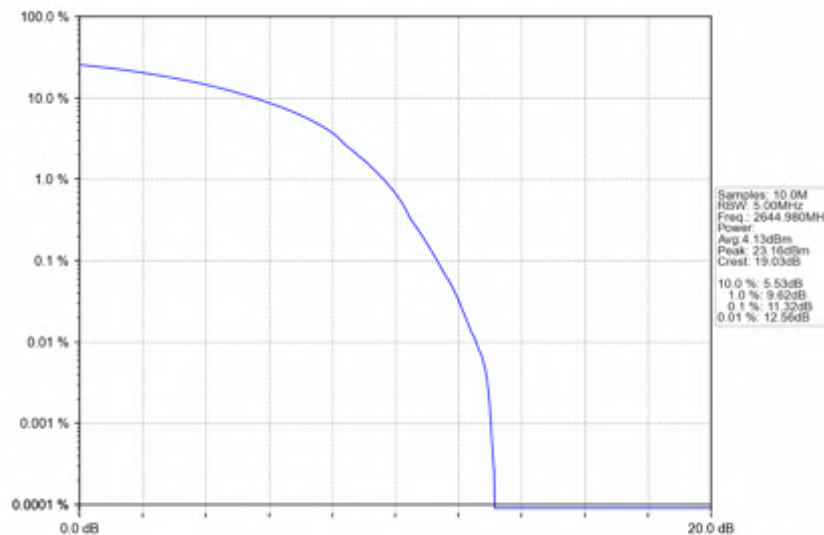
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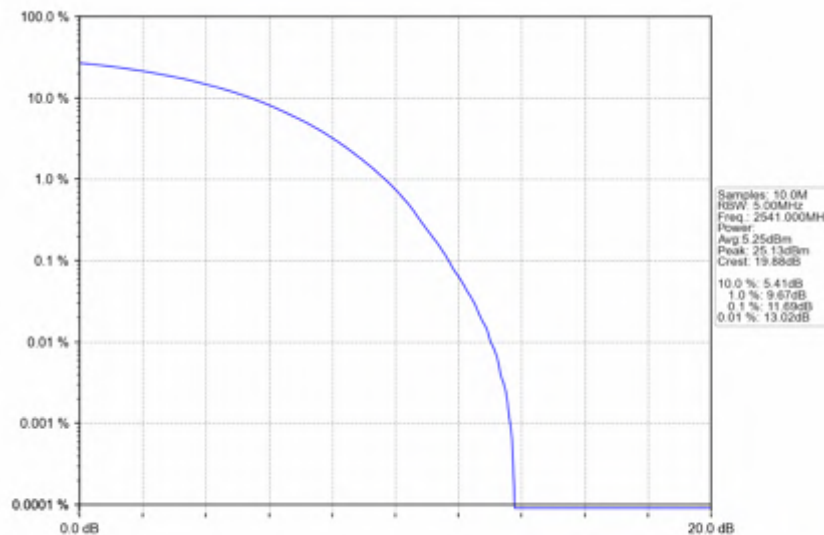
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n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 256 QAM_2644.98MHz_Outer_Full



n41_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_2541MHz_Outer_Full



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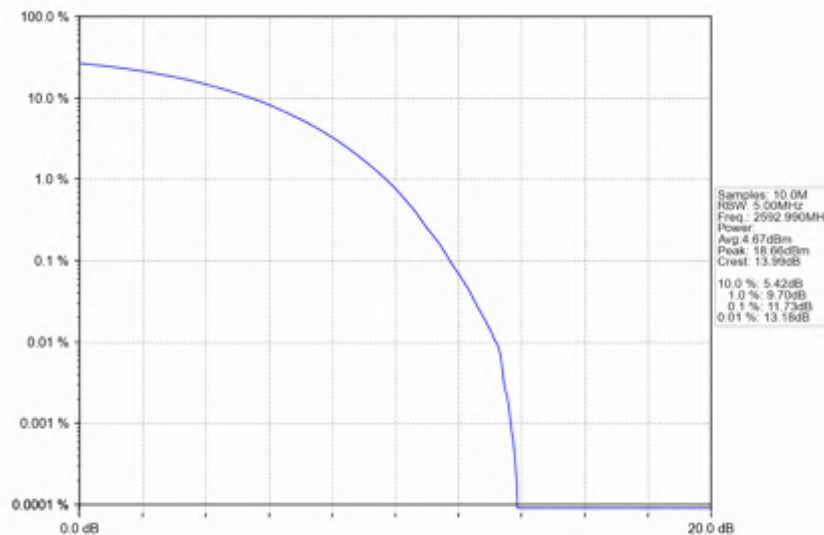
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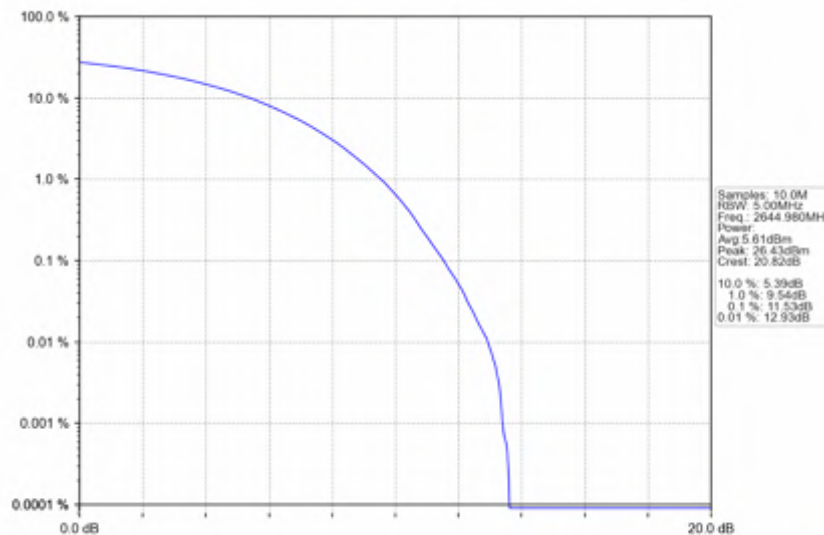
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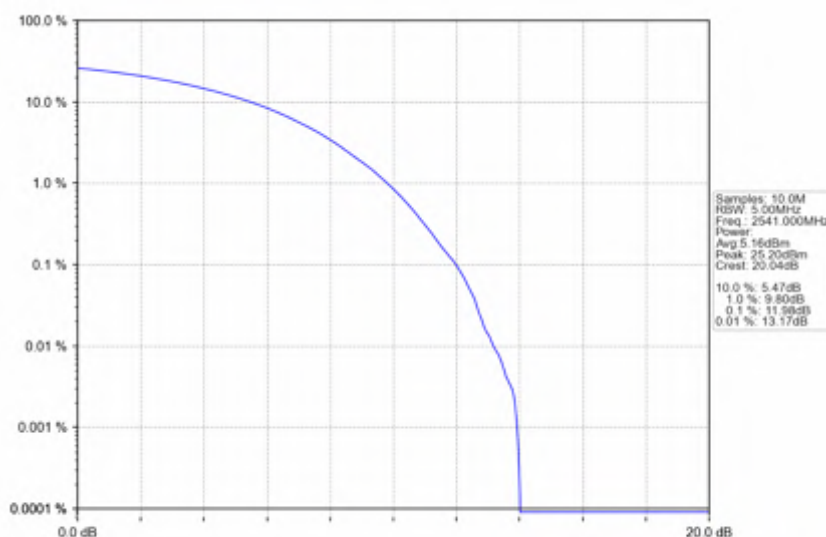
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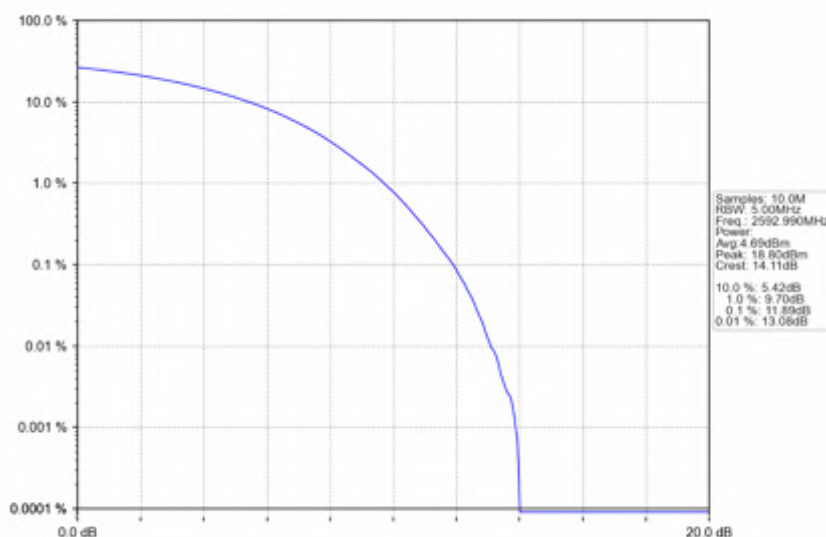
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n41	30kHz	SISO	NTNV	90MHz	CP-OFDM	16 QAM	2541MHz	Outer	Full
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n41	30kHz	SISO	NTNV	90MHz	CP-OFDM	16 QAM	2592.99MHz	Outer	Full
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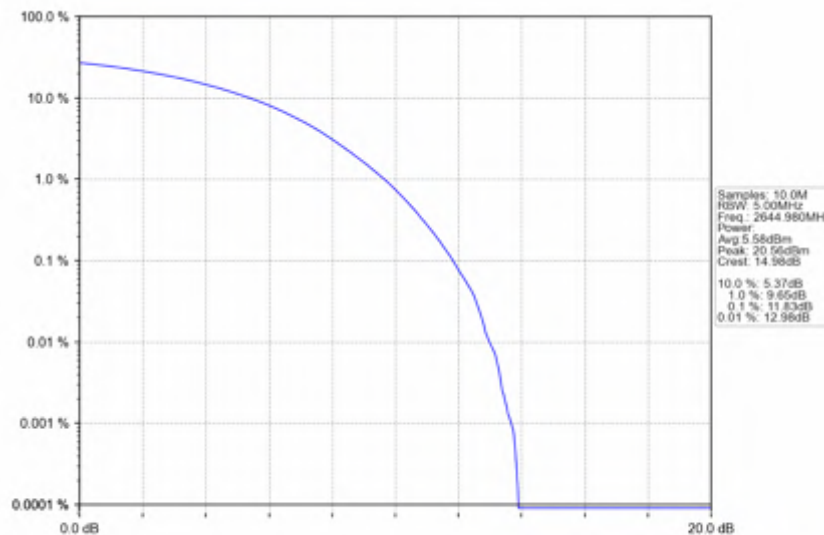


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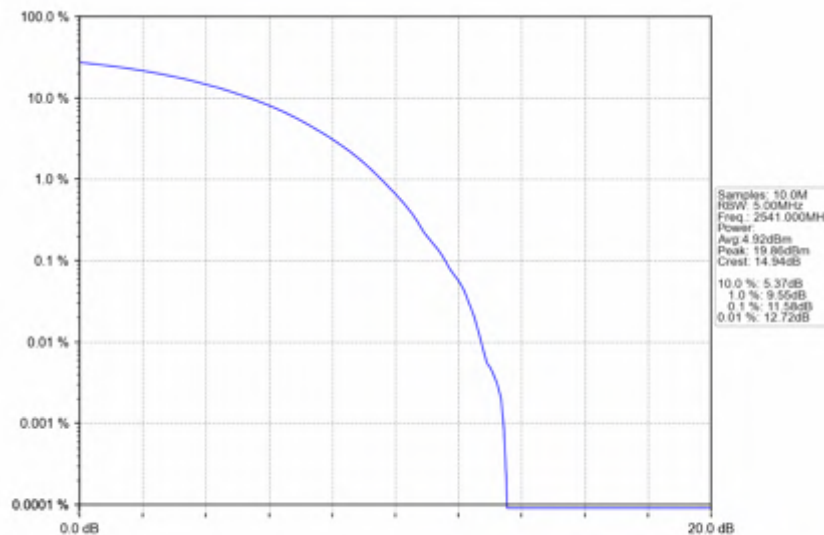
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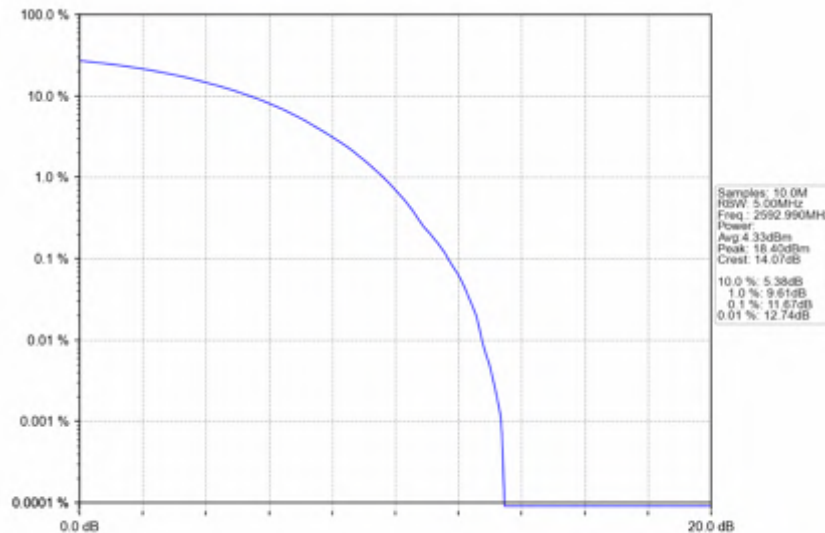
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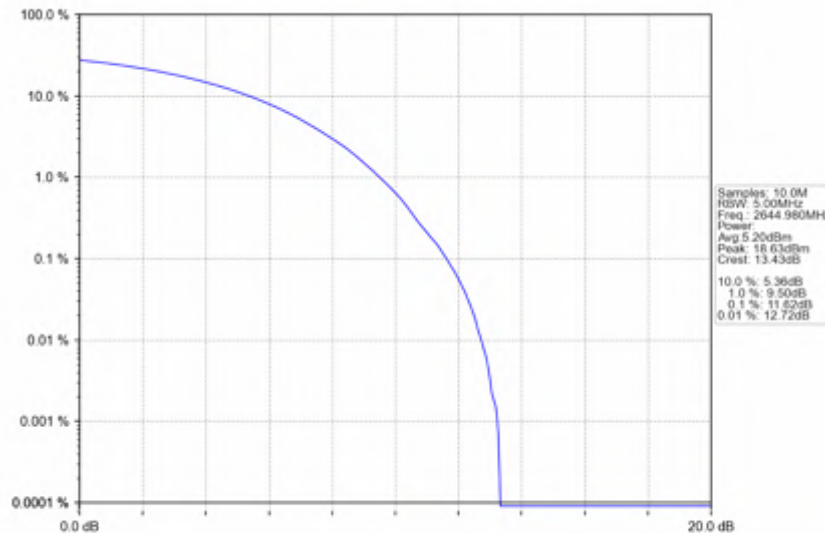
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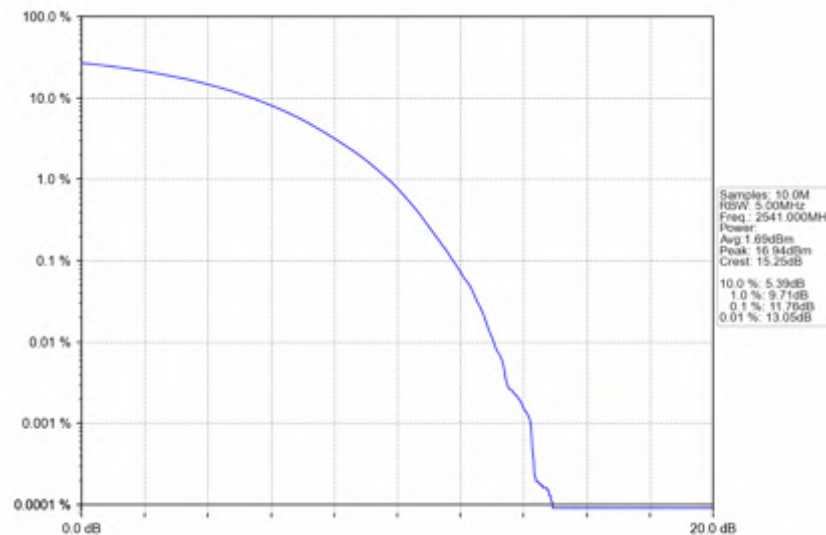
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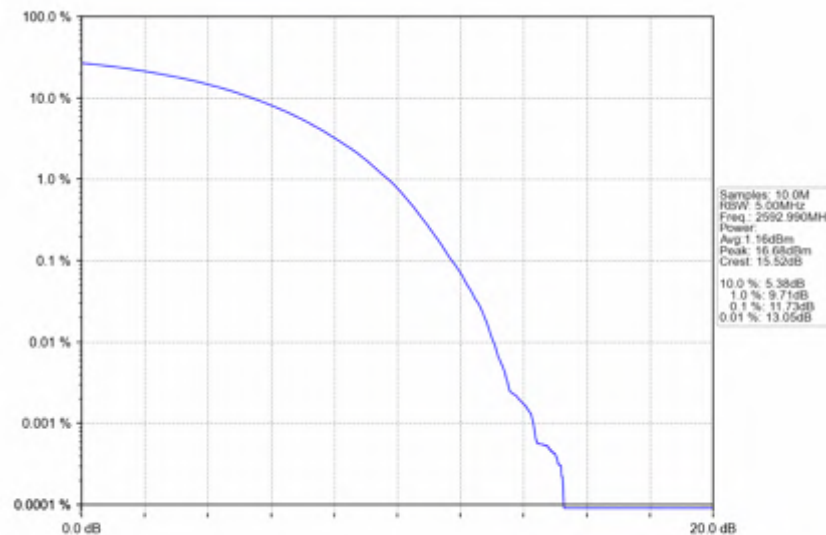
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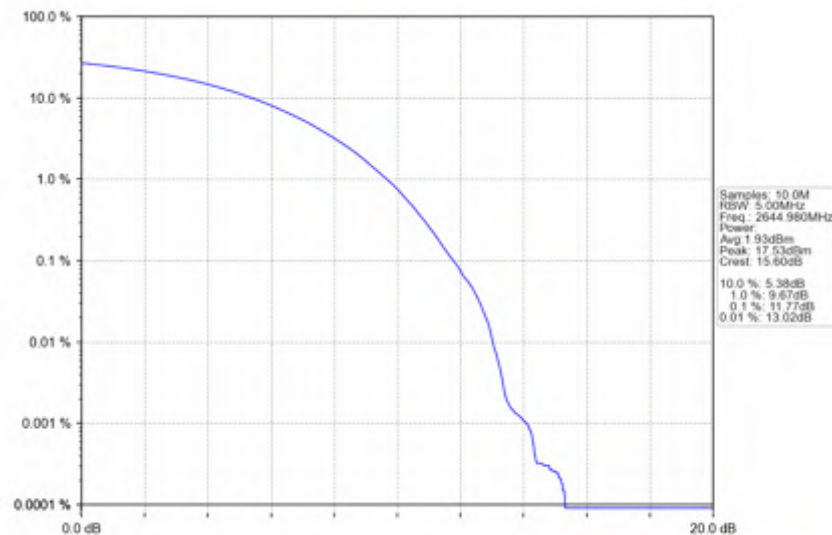
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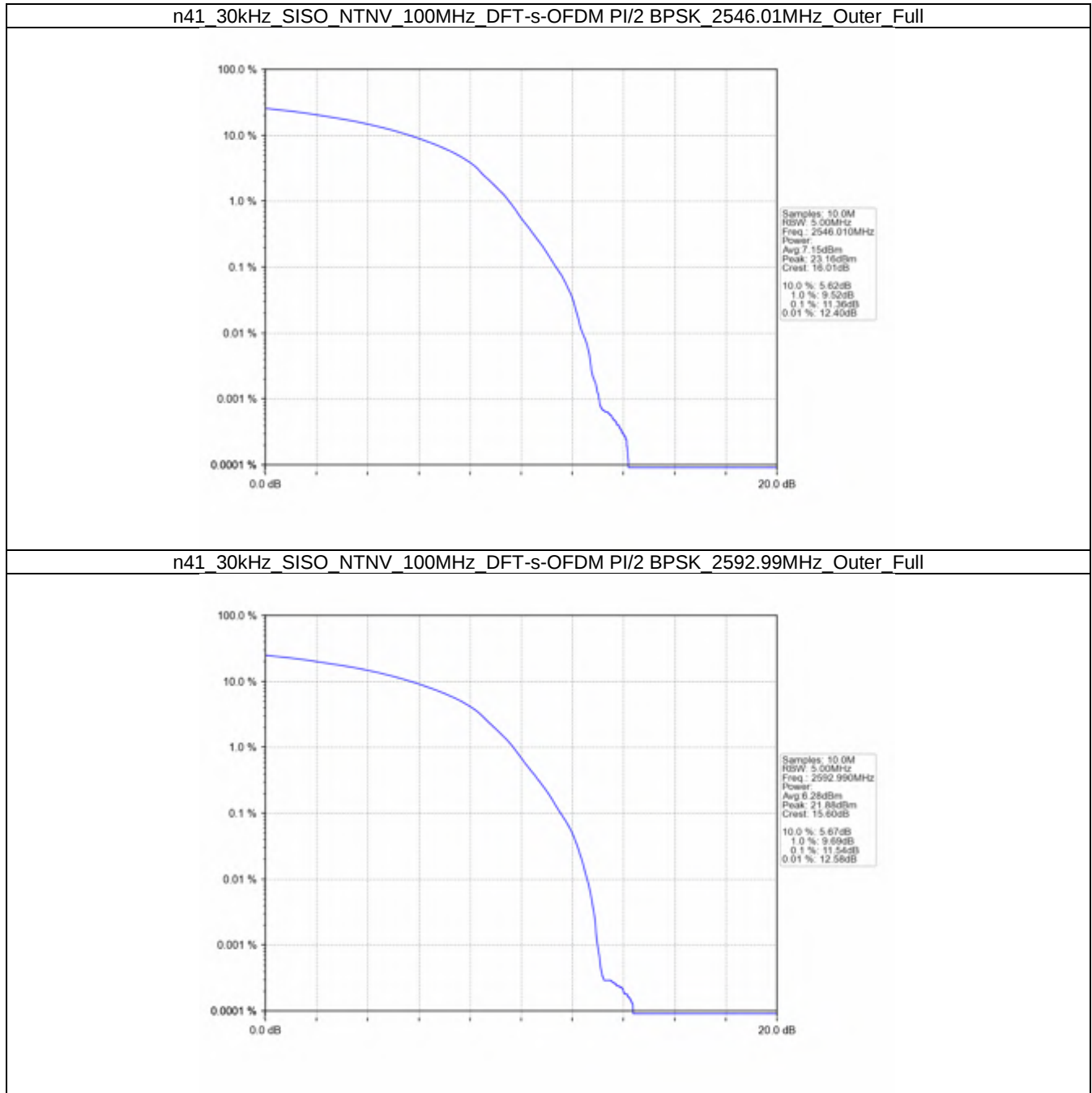
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6.16 30k_SISO_100MHz_NTNV

6.16.1 Test Result

5G NR n41 SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2546.01	Outer_Full	11.36	/	/	<=13	Pass
	2592.99	Outer_Full	11.54	/	/	<=13	Pass
	2640	Outer_Full	11.24	/	/	<=13	Pass
DFT-s-OFDM QPSK	2546.01	Outer_Full	11.34	/	/	<=13	Pass
	2592.99	Outer_Full	11.50	/	/	<=13	Pass
	2640	Outer_Full	11.37	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2546.01	Outer_Full	11.31	/	/	<=13	Pass
	2592.99	Outer_Full	11.34	/	/	<=13	Pass
	2640	Outer_Full	11.37	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2546.01	Outer_Full	11.38	/	/	<=13	Pass
	2592.99	Outer_Full	11.51	/	/	<=13	Pass
	2640	Outer_Full	11.53	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2546.01	Outer_Full	11.32	/	/	<=13	Pass
	2592.99	Outer_Full	11.23	/	/	<=13	Pass
	2640	Outer_Full	11.33	/	/	<=13	Pass
CP-OFDM QPSK	2546.01	Outer_Full	11.77	/	/	<=13	Pass
	2592.99	Outer_Full	11.95	/	/	<=13	Pass
	2640	Outer_Full	11.85	/	/	<=13	Pass
CP-OFDM 16 QAM	2546.01	Outer_Full	11.65	/	/	<=13	Pass
	2592.99	Outer_Full	11.92	/	/	<=13	Pass
	2640	Outer_Full	11.80	/	/	<=13	Pass
CP-OFDM 64 QAM	2546.01	Outer_Full	11.66	/	/	<=13	Pass
	2592.99	Outer_Full	11.93	/	/	<=13	Pass
	2640	Outer_Full	11.83	/	/	<=13	Pass
CP-OFDM 256 QAM	2546.01	Outer_Full	11.67	/	/	<=13	Pass
	2592.99	Outer_Full	12.26	/	/	<=13	Pass
	2640	Outer_Full	11.79	/	/	<=13	Pass

6.16.2 Test Graph



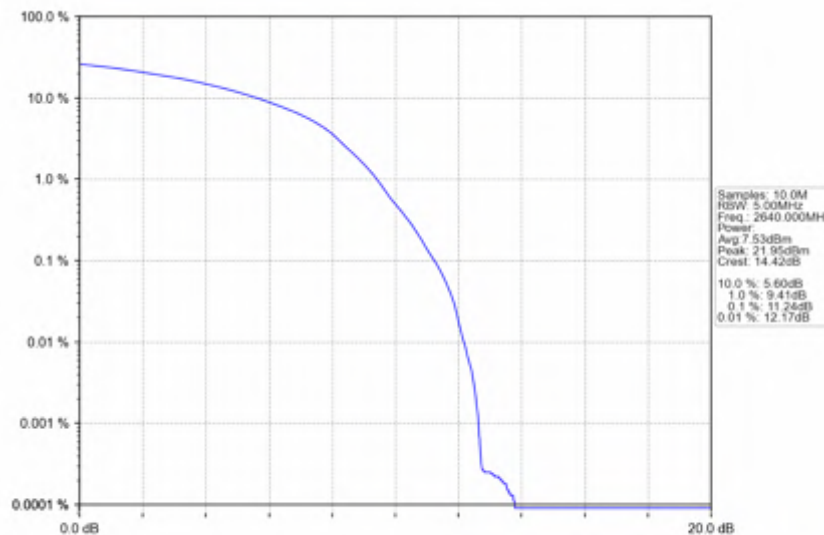
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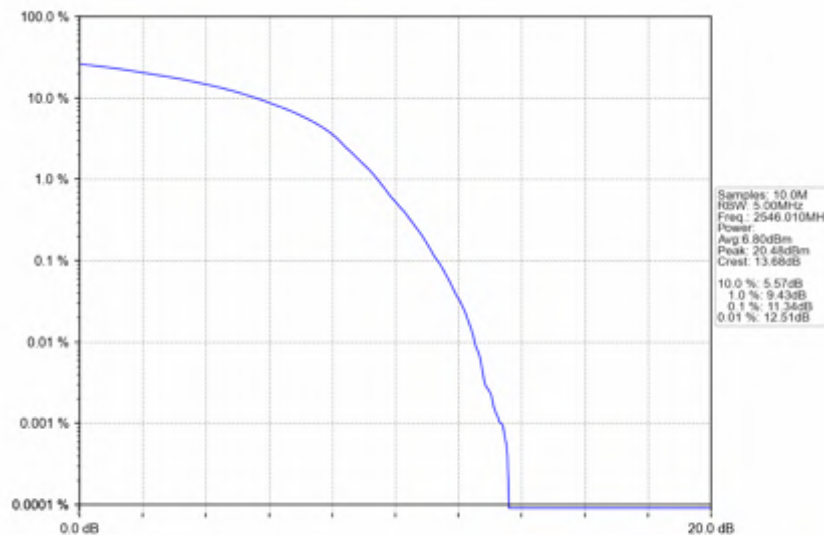
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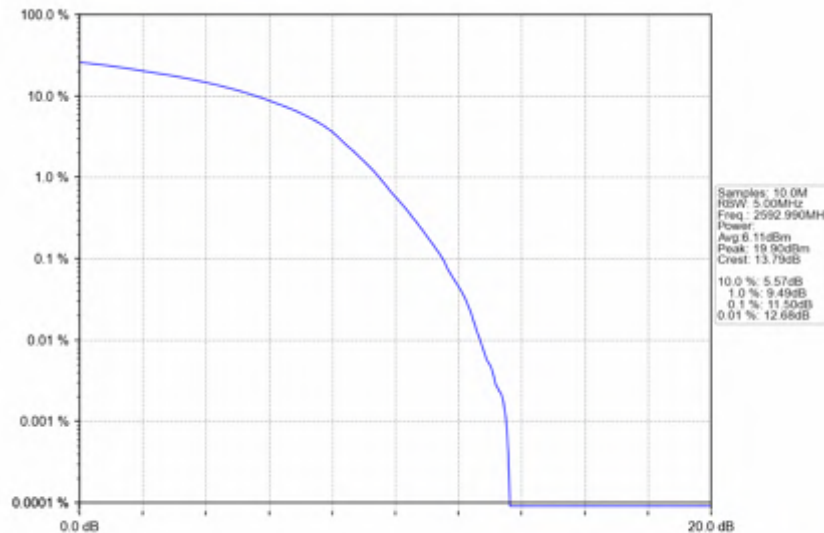
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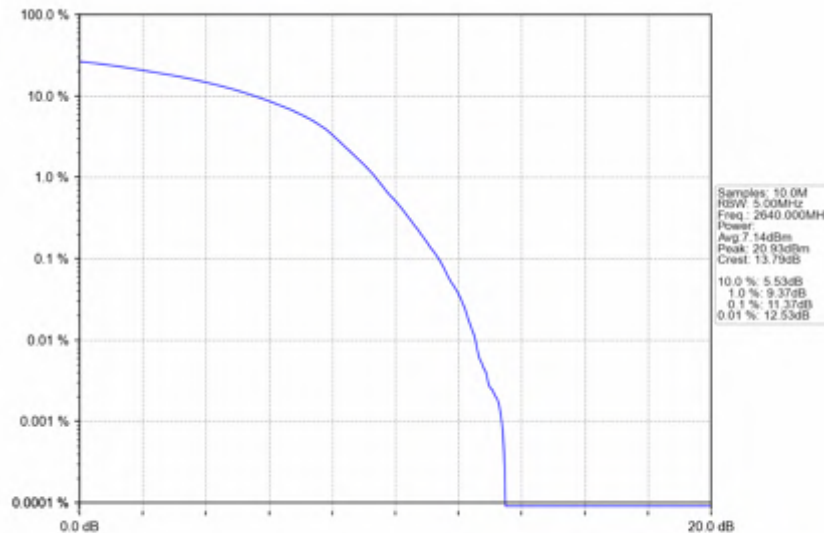
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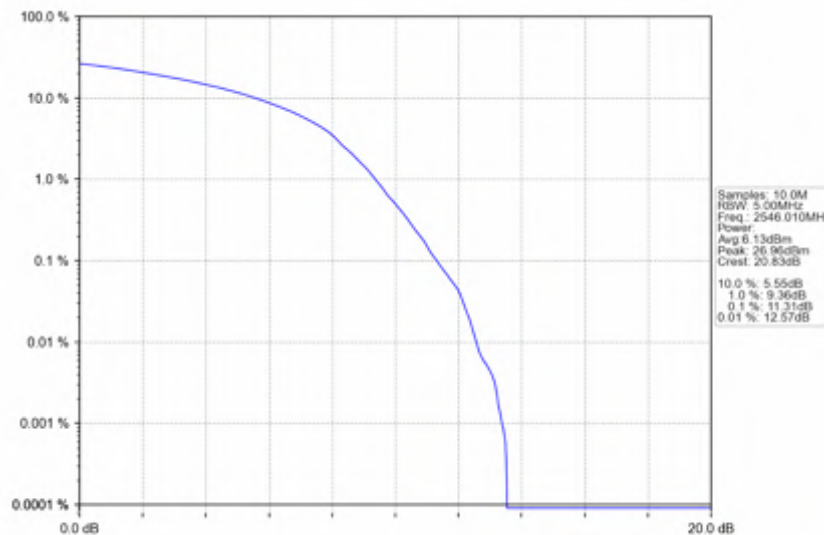
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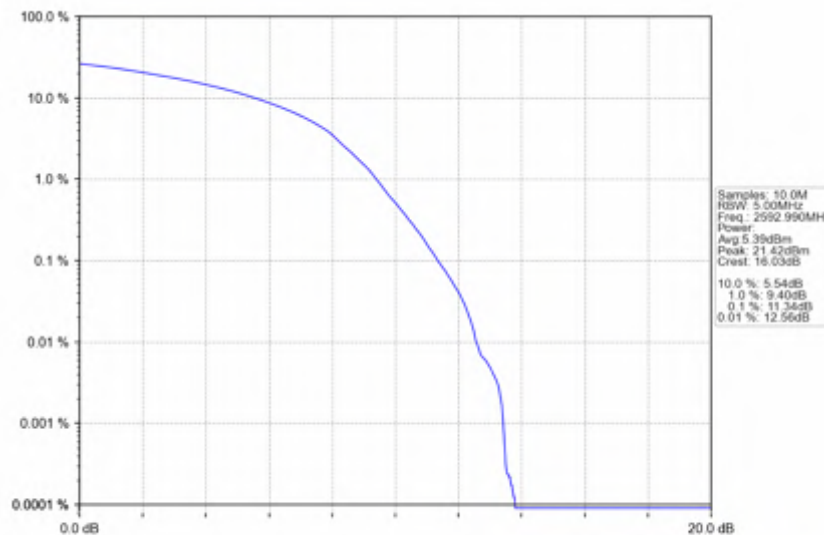
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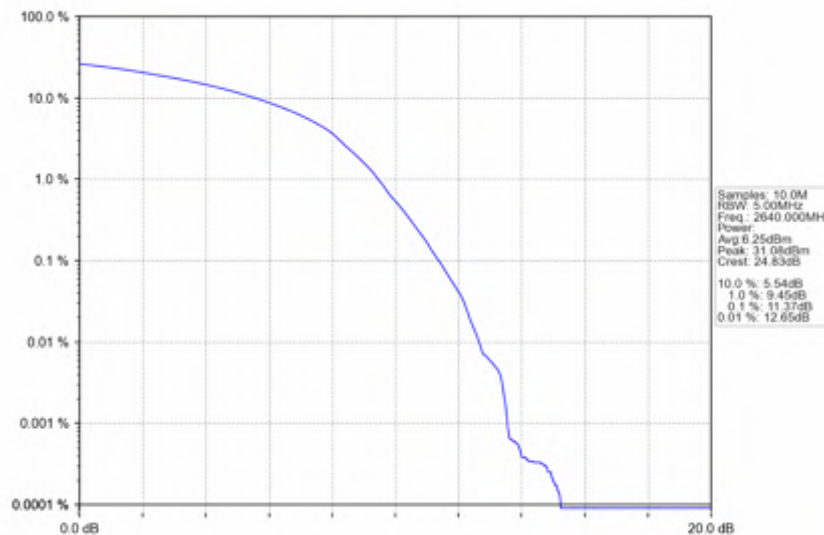
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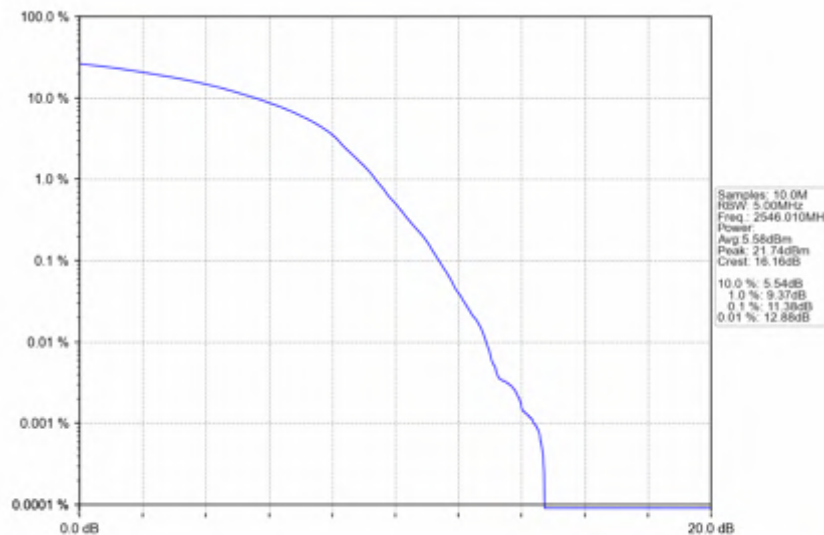
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n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 16 QAM_2640MHz_Outer_Full



n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 64 QAM_2546.01MHz_Outer_Full



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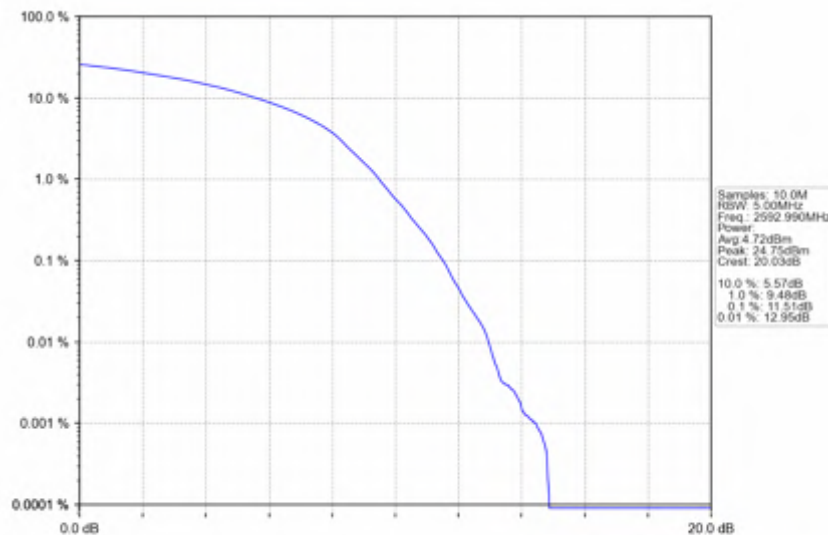
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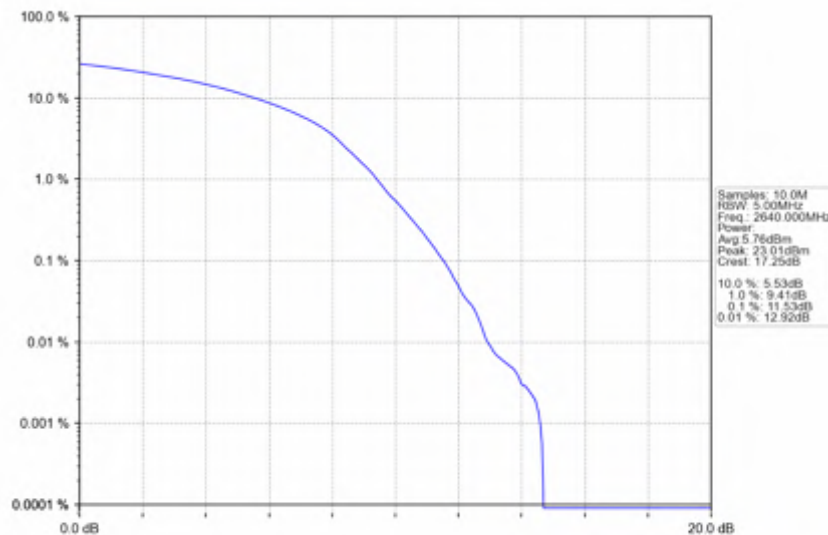
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n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 64 QAM_2640MHz_Outer_Full



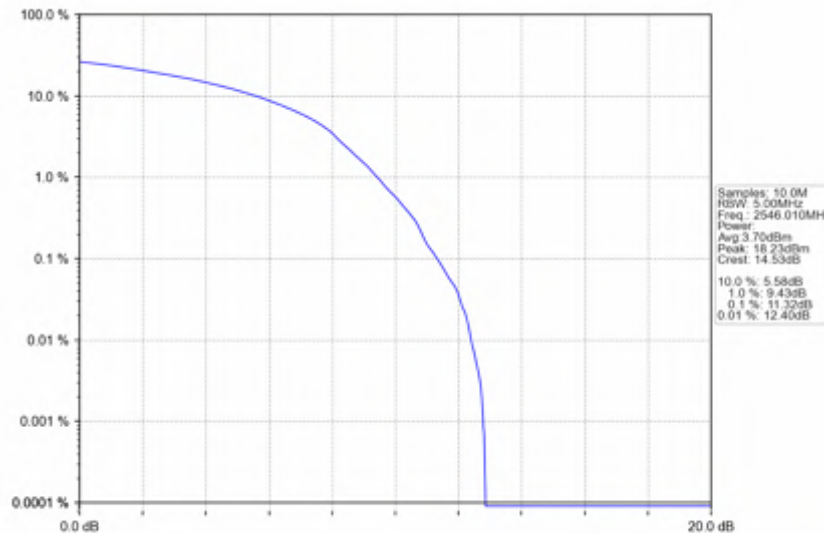
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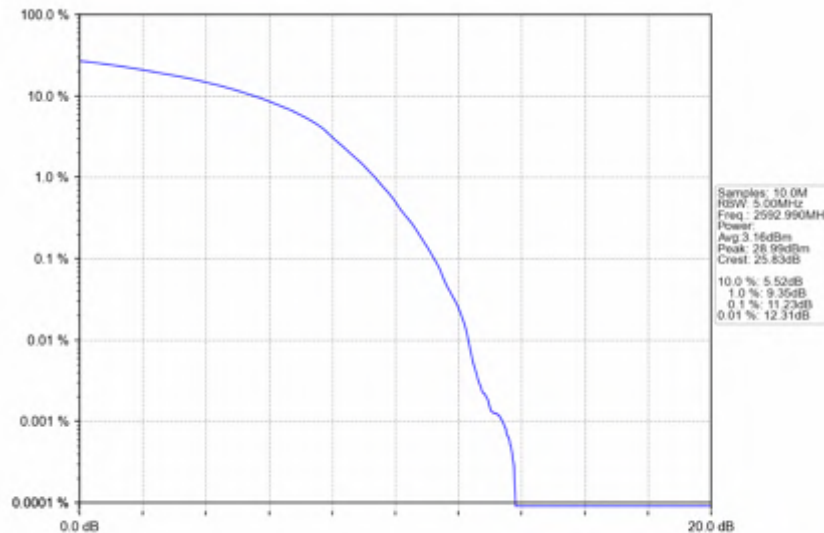
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n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_256_QAM_2546.01MHz_Outer_Full



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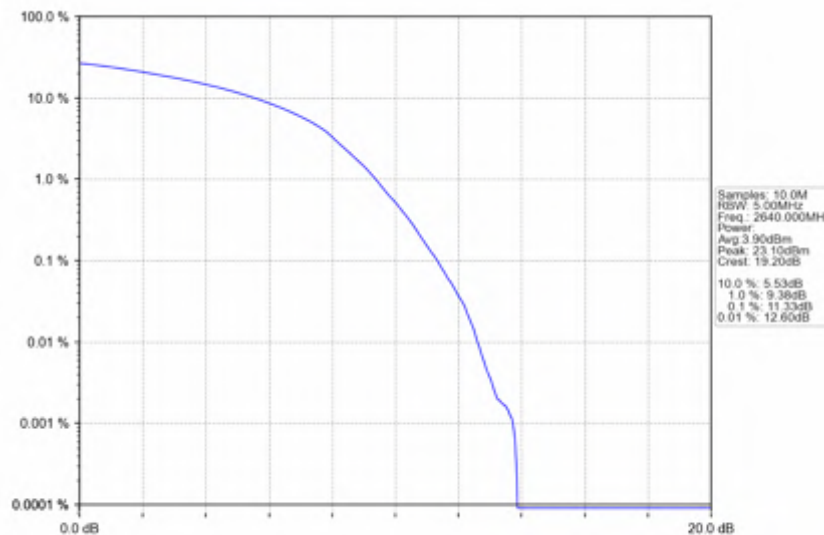
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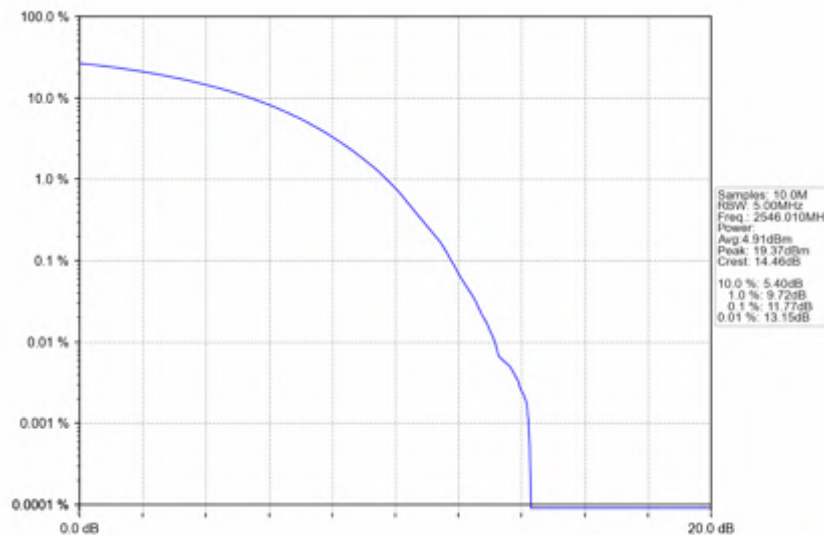
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n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_256_QAM_2640MHz_Outer_Full



n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_2546.01MHz_Outer_Full

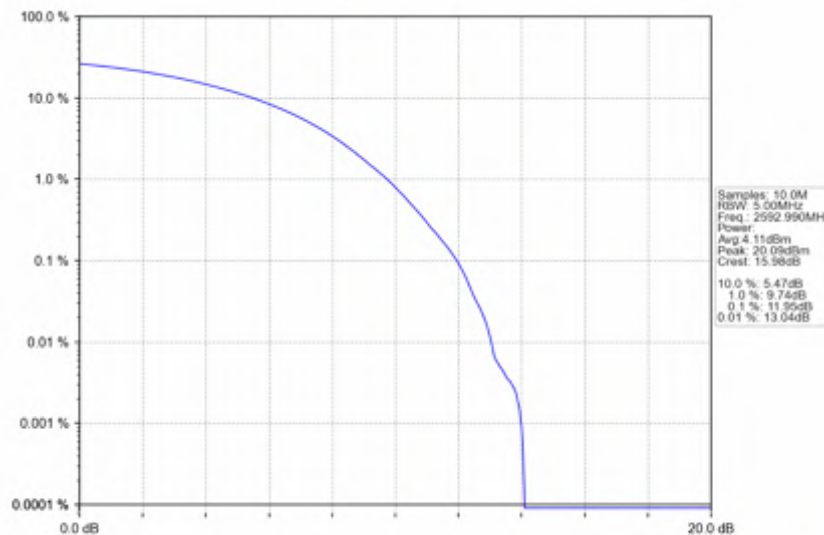


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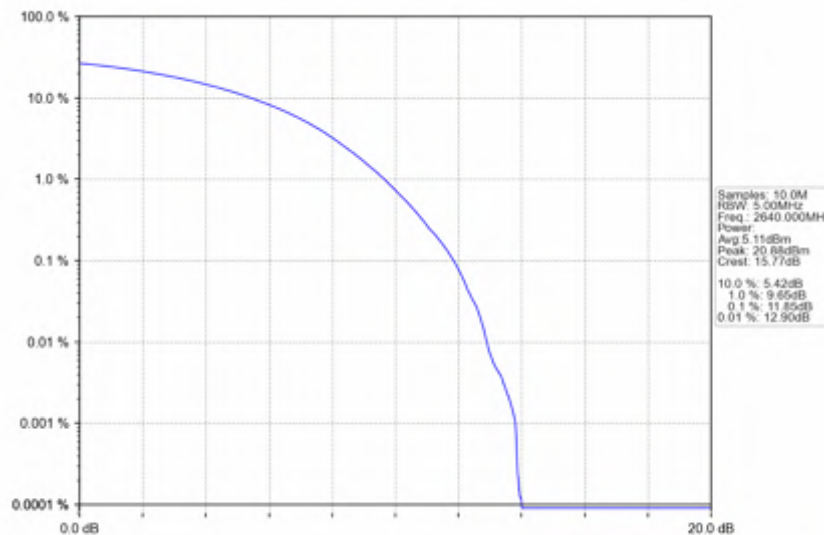
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n41_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_2592.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_2640MHz_Outer_Full



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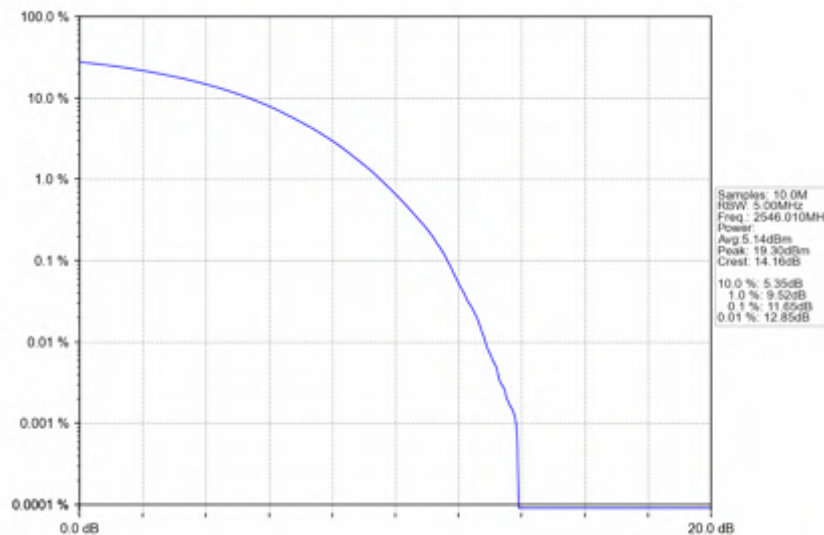
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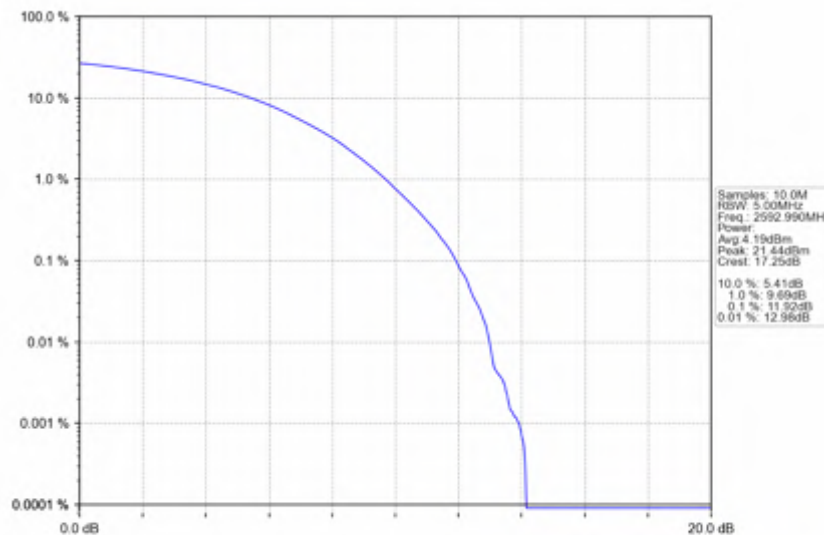
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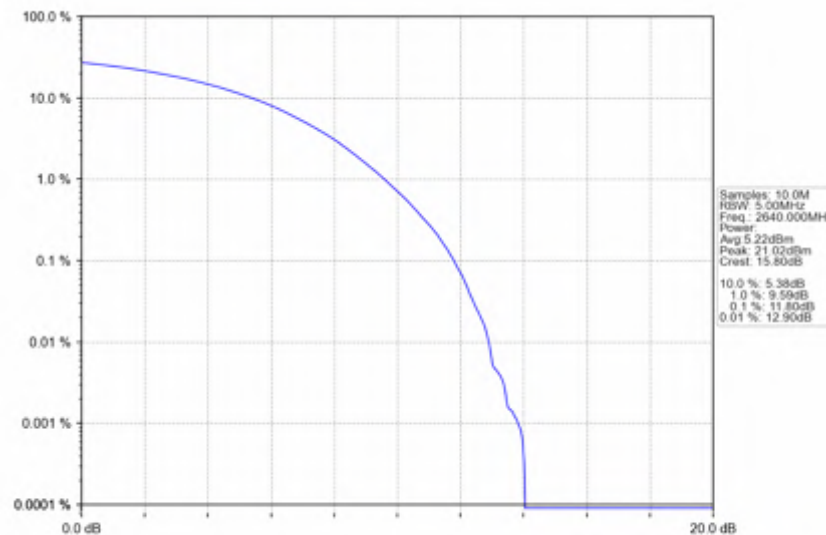
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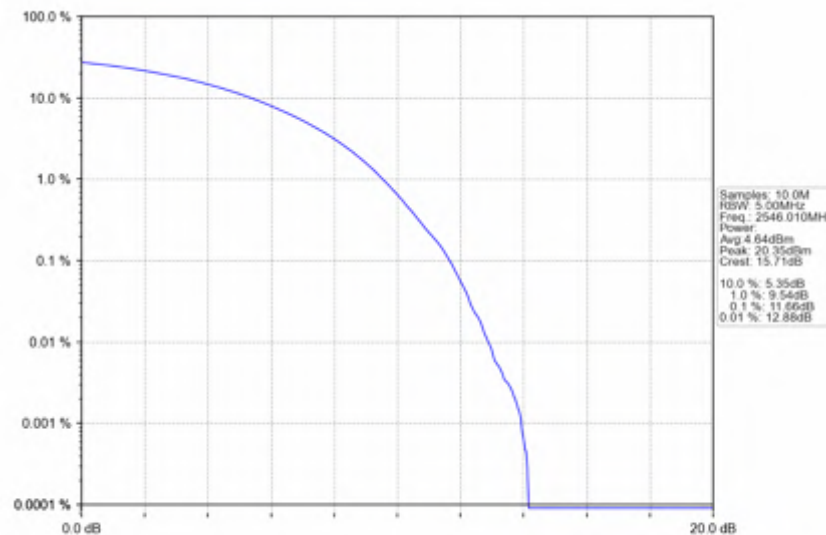
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n41_30kHz_SISO_NTNV_100MHz_CP-OFDM 16 QAM_2640MHz_Outer_Full



n41_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM_2546.01MHz_Outer_Full



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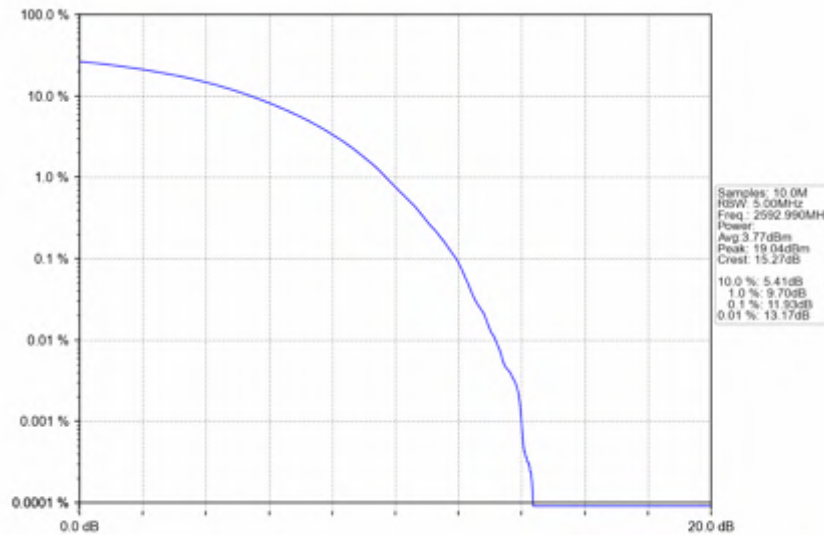
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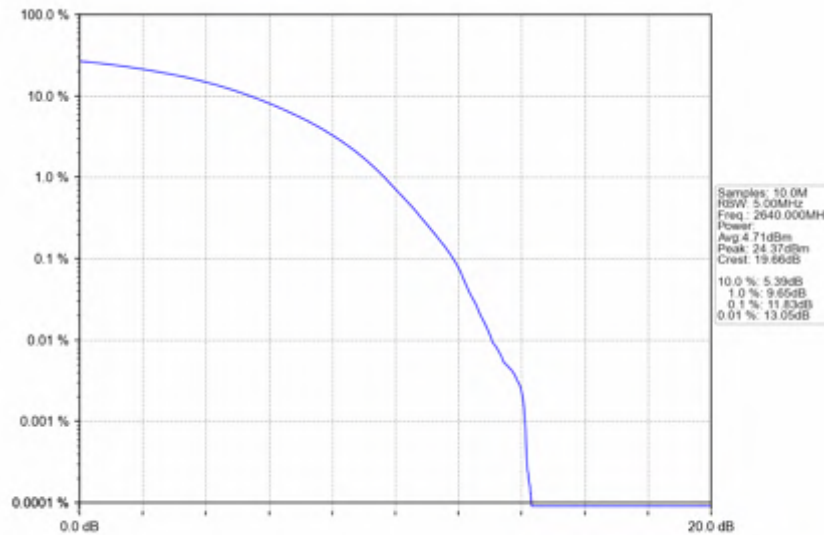
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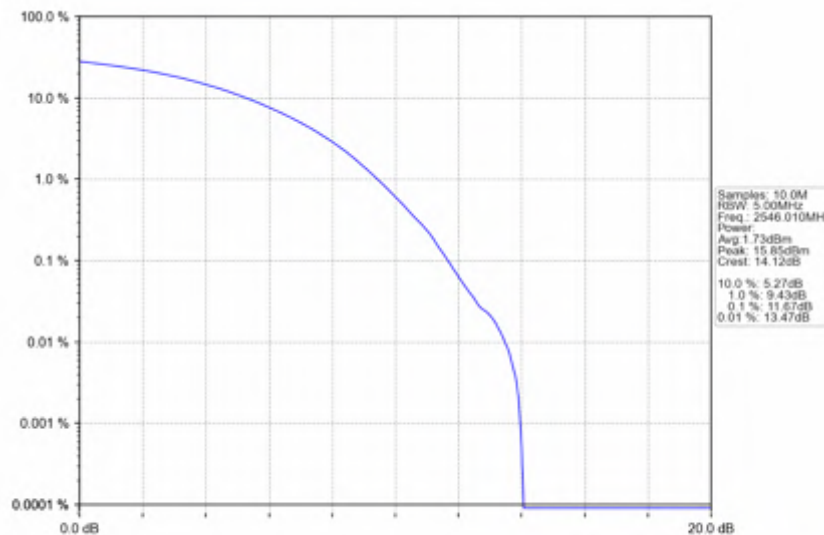


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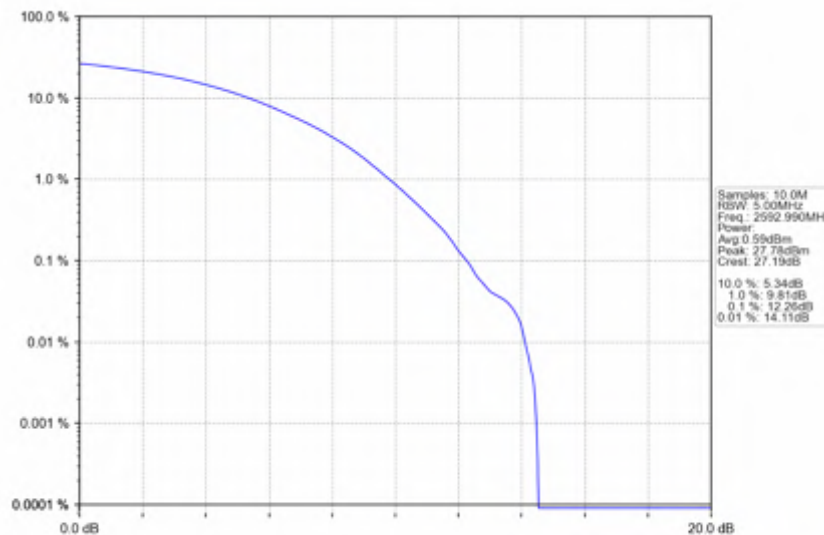
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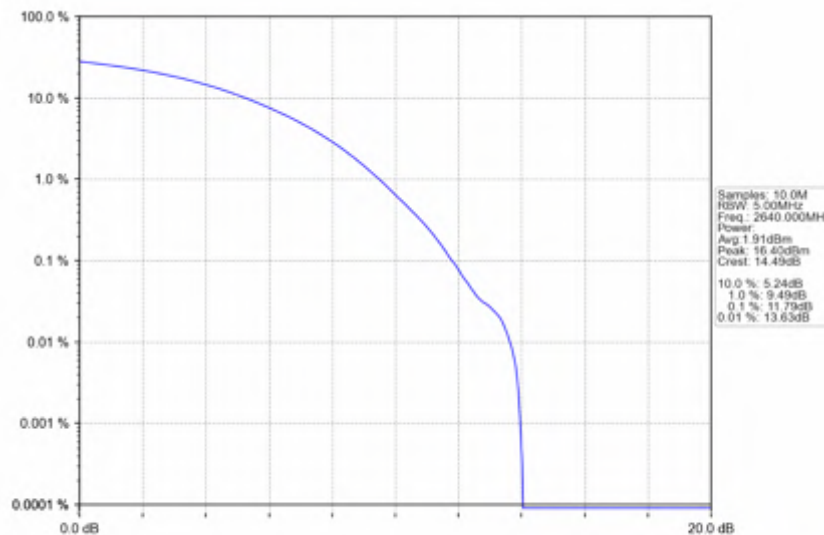
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7. n66 Peak-Average Ratio

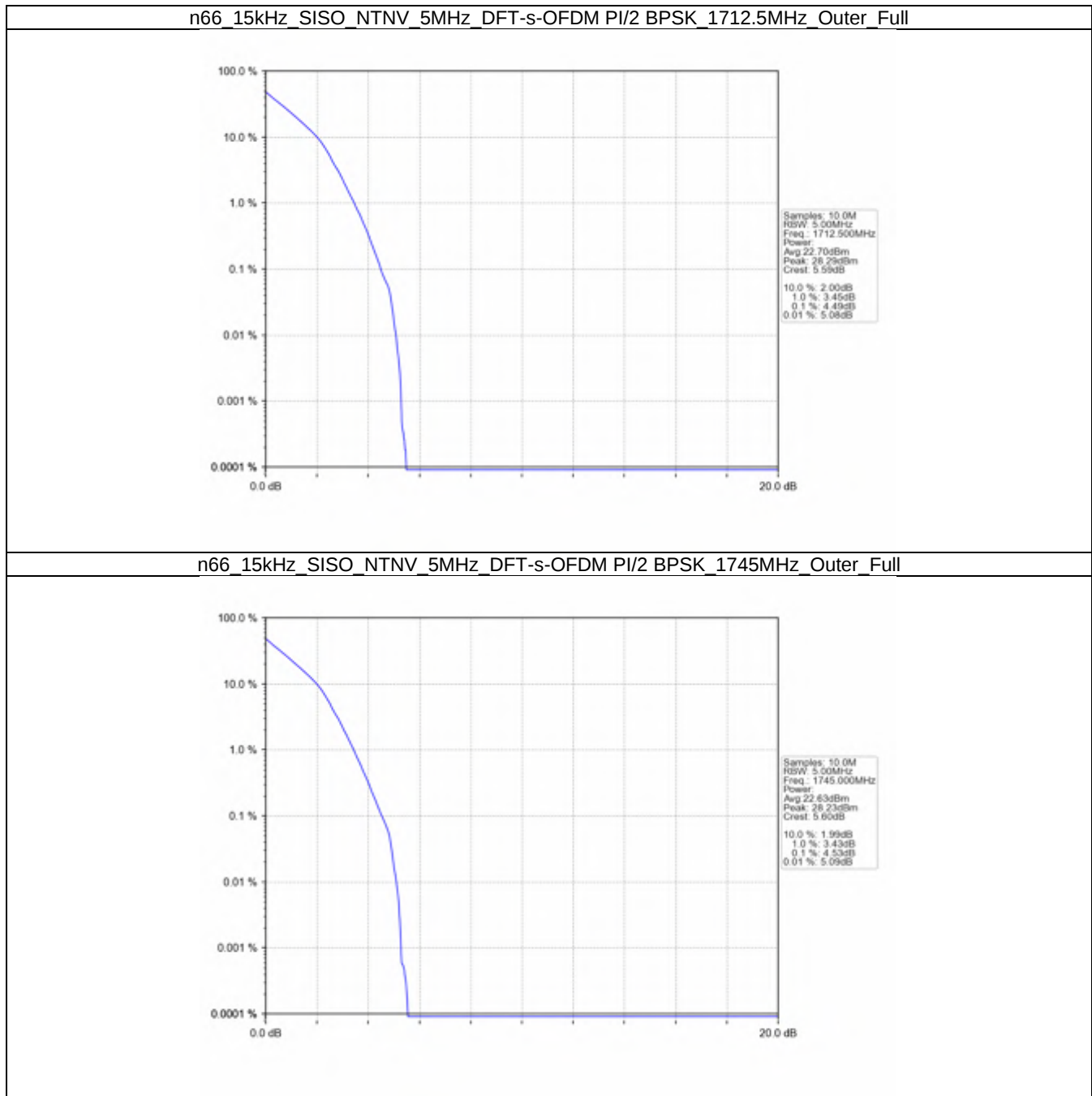
7.1 15k_SISO_5MHz_NTNV

7.1.1 Test Result

5G NR n66 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	1712.5	Outer_Full	4.49	/	/	<=13	Pass
	1745	Outer_Full	4.53	/	/	<=13	Pass
	1777.5	Outer_Full	4.31	/	/	<=13	Pass
DFT-s-OFDM QPSK	1712.5	Outer_Full	5.60	/	/	<=13	Pass
	1745	Outer_Full	5.58	/	/	<=13	Pass
	1777.5	Outer_Full	5.43	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1712.5	Outer_Full	6.48	/	/	<=13	Pass
	1745	Outer_Full	6.40	/	/	<=13	Pass
	1777.5	Outer_Full	6.31	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1712.5	Outer_Full	6.47	/	/	<=13	Pass
	1745	Outer_Full	6.50	/	/	<=13	Pass
	1777.5	Outer_Full	6.42	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1712.5	Outer_Full	6.71	/	/	<=13	Pass
	1745	Outer_Full	6.70	/	/	<=13	Pass
	1777.5	Outer_Full	6.68	/	/	<=13	Pass
CP-OFDM QPSK	1712.5	Outer_Full	7.81	/	/	<=13	Pass
	1745	Outer_Full	7.79	/	/	<=13	Pass
	1777.5	Outer_Full	7.71	/	/	<=13	Pass
CP-OFDM 16 QAM	1712.5	Outer_Full	7.81	/	/	<=13	Pass
	1745	Outer_Full	7.75	/	/	<=13	Pass
	1777.5	Outer_Full	7.60	/	/	<=13	Pass
CP-OFDM 64 QAM	1712.5	Outer_Full	8.22	/	/	<=13	Pass
	1745	Outer_Full	8.18	/	/	<=13	Pass
	1777.5	Outer_Full	8.06	/	/	<=13	Pass
CP-OFDM 256 QAM	1712.5	Outer_Full	8.58	/	/	<=13	Pass
	1745	Outer_Full	8.58	/	/	<=13	Pass
	1777.5	Outer_Full	8.53	/	/	<=13	Pass



7.1.2 Test Graph



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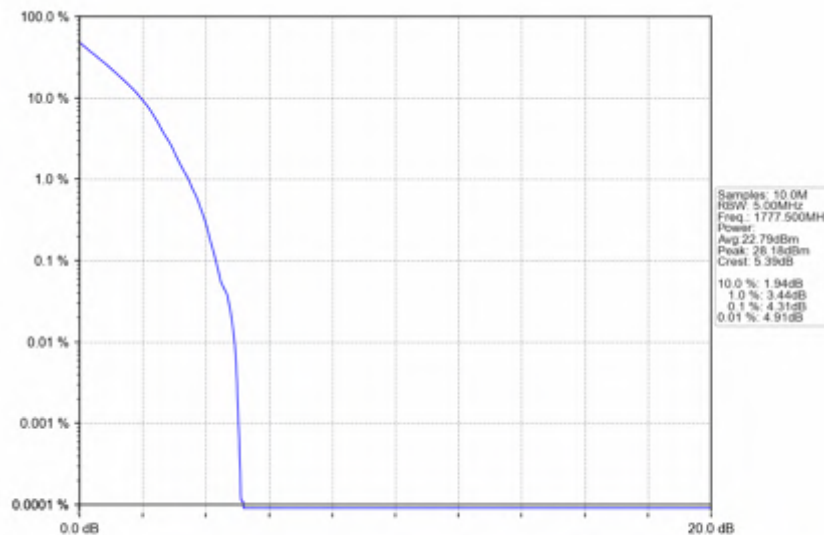
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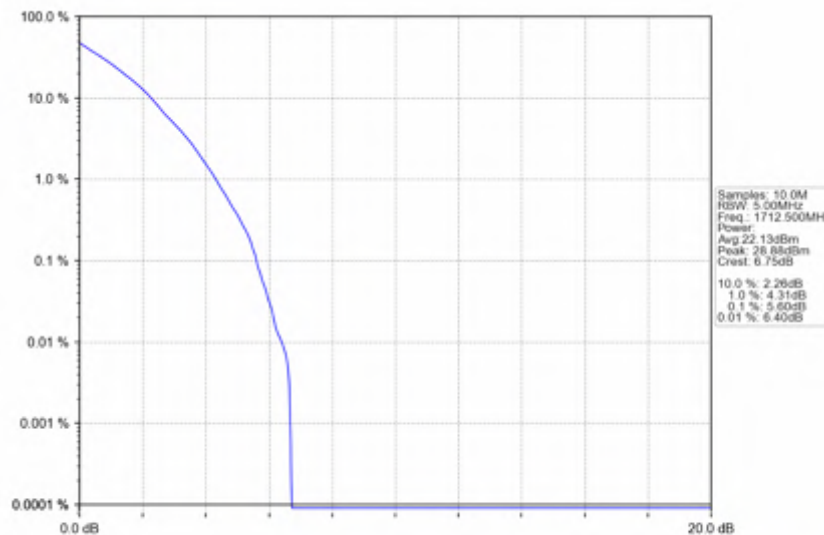
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0512-57350883 0512-57370911 sgs.china@sgs.com

n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_1777.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_1712.5MHz_Outer_Full



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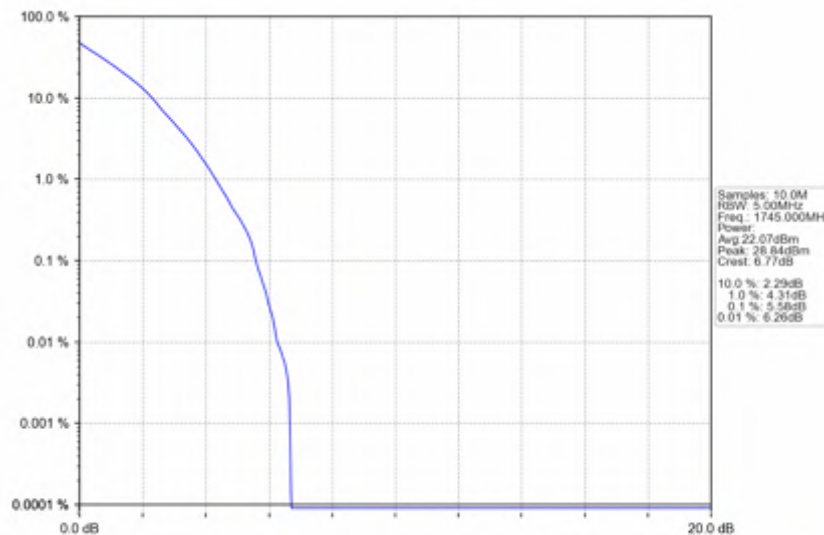
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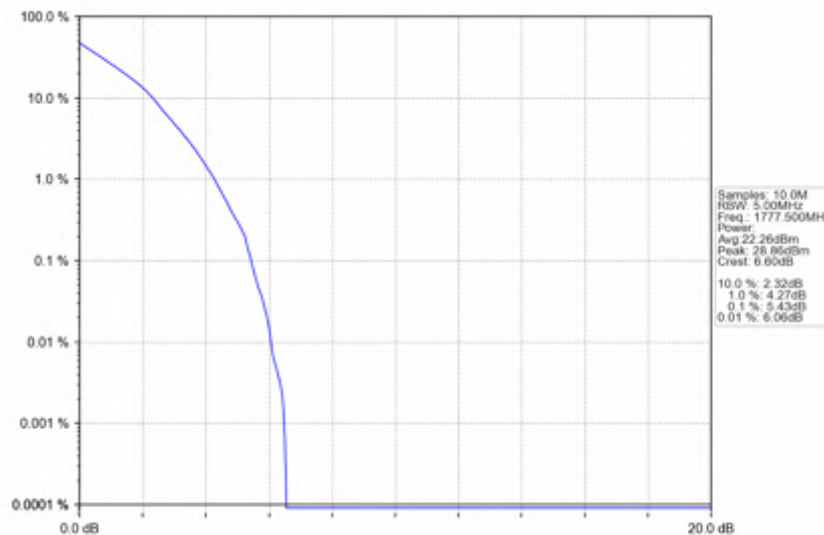
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_1745MHz_Outer_Full



n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_QPSK_1777.5MHz_Outer_Full



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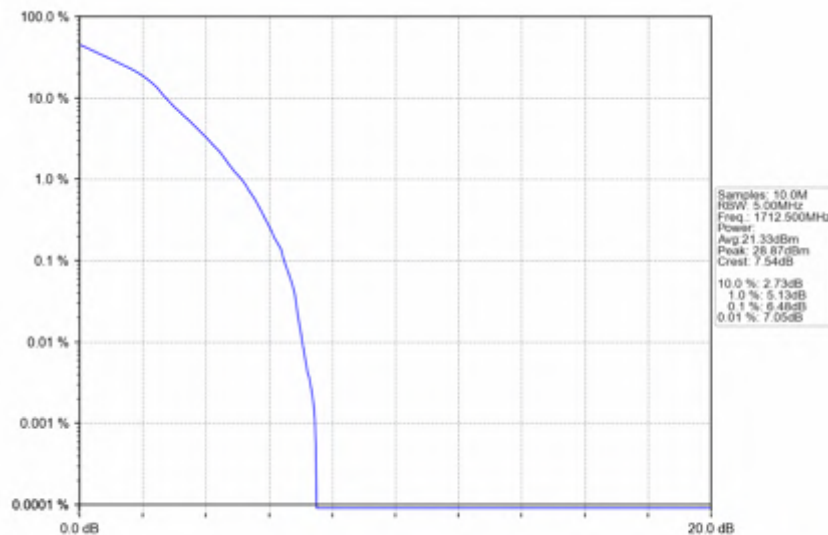
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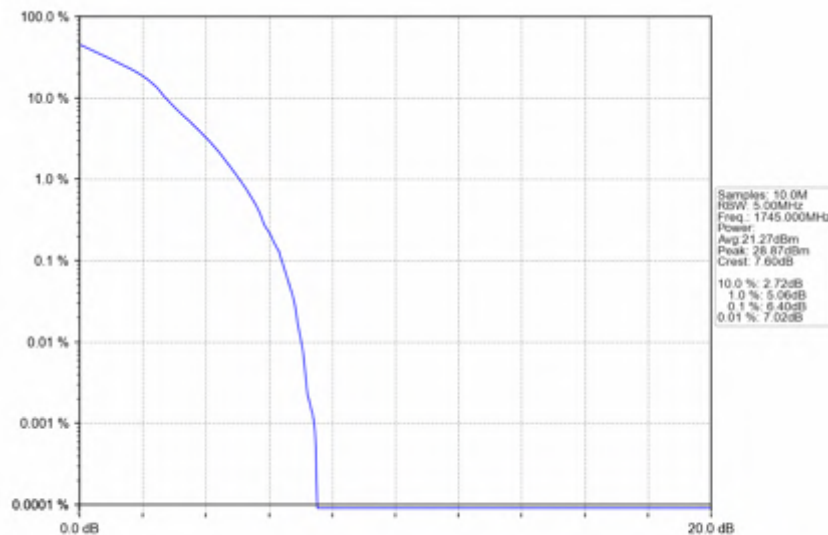
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_1712.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_1745MHz_Outer_Full



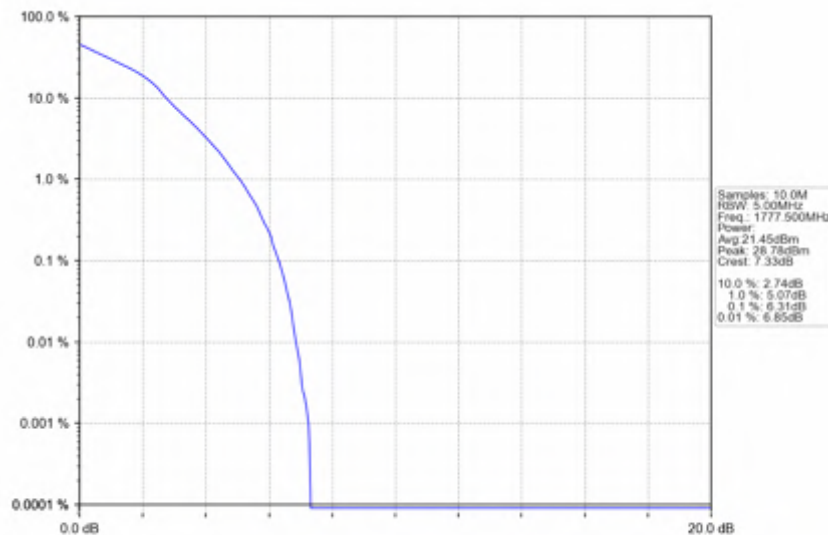
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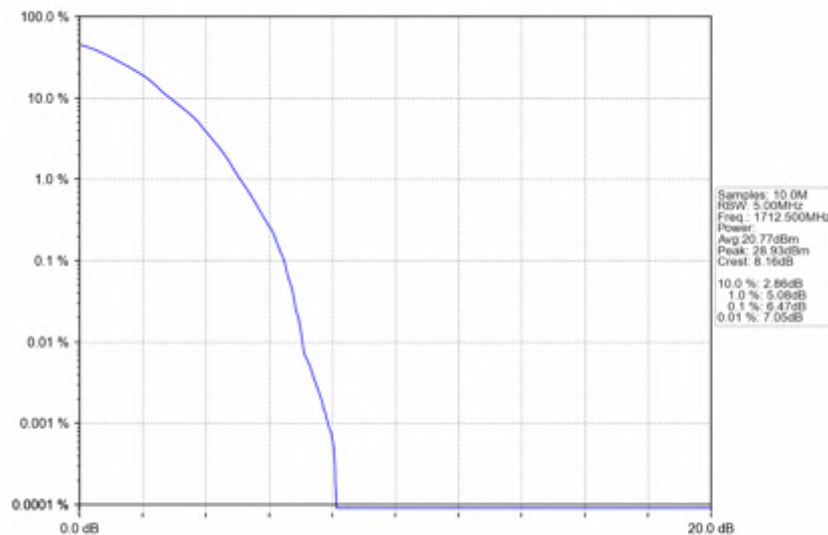
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_16_QAM_1777.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_64_QAM_1712.5MHz_Outer_Full



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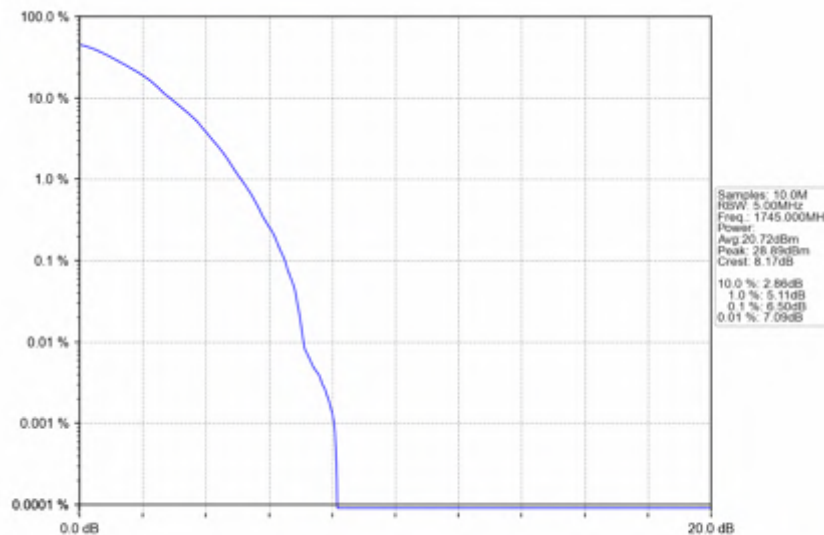
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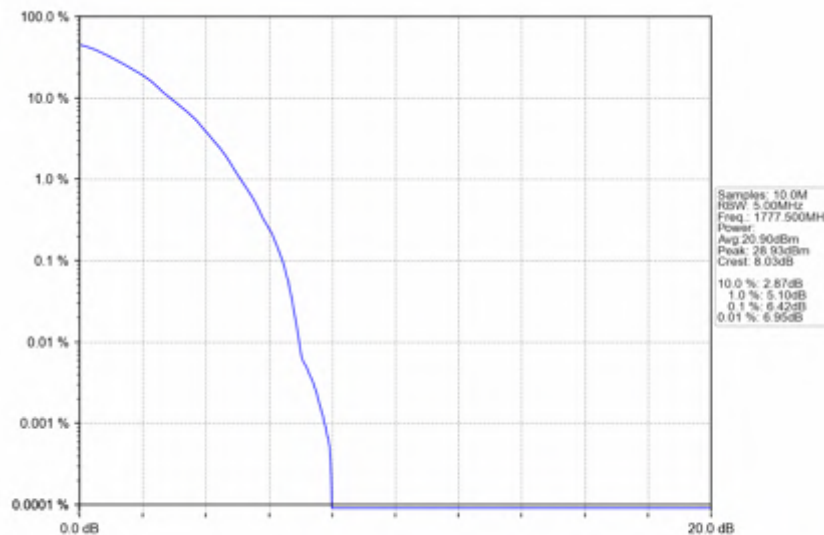
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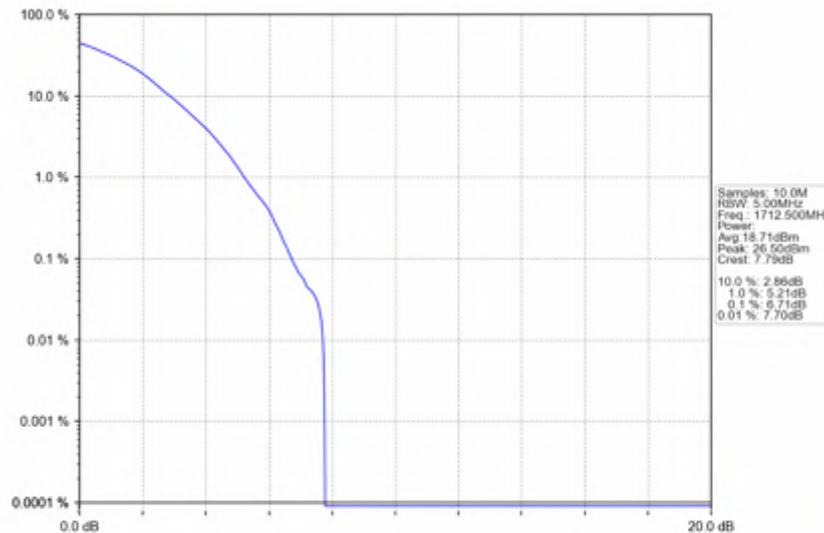


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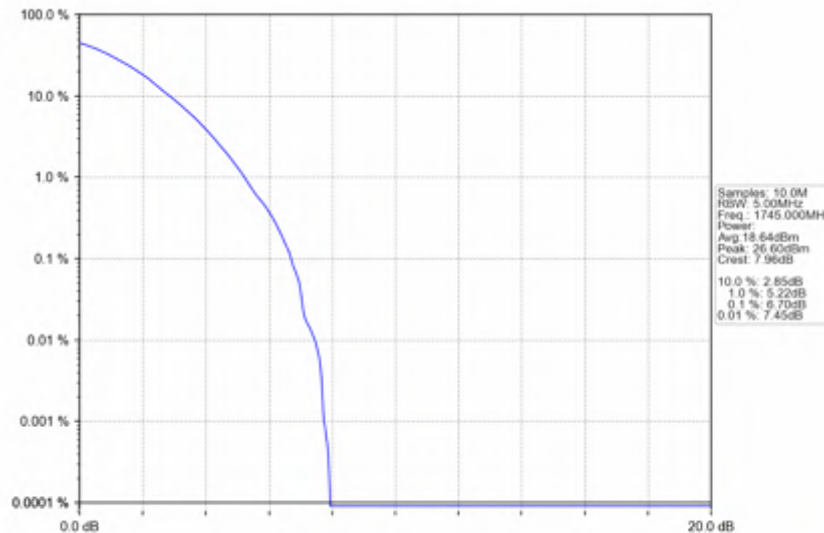
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n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_1712.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM_256_QAM_1745MHz_Outer_Full

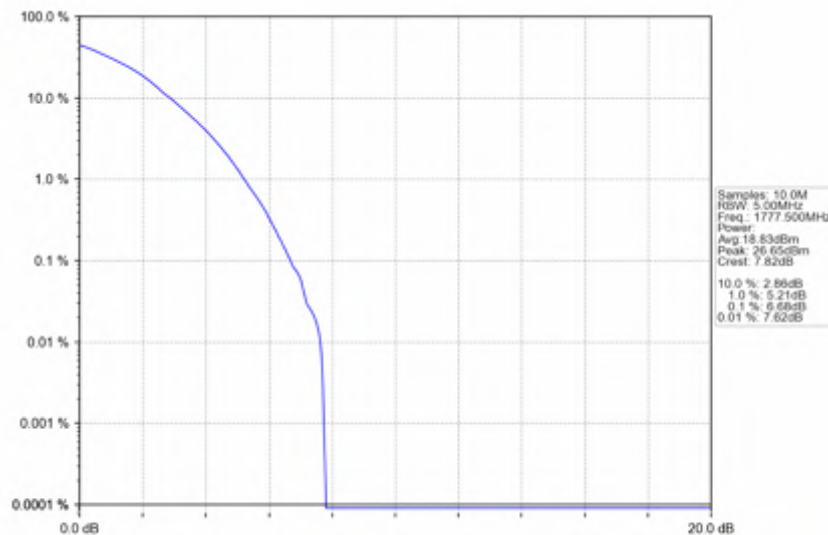


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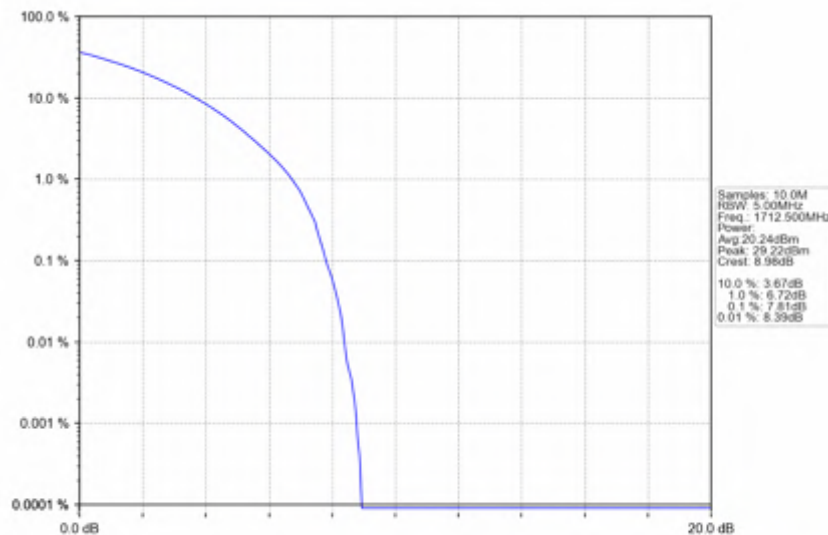
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n66_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_1712.5MHz_Outer_Full

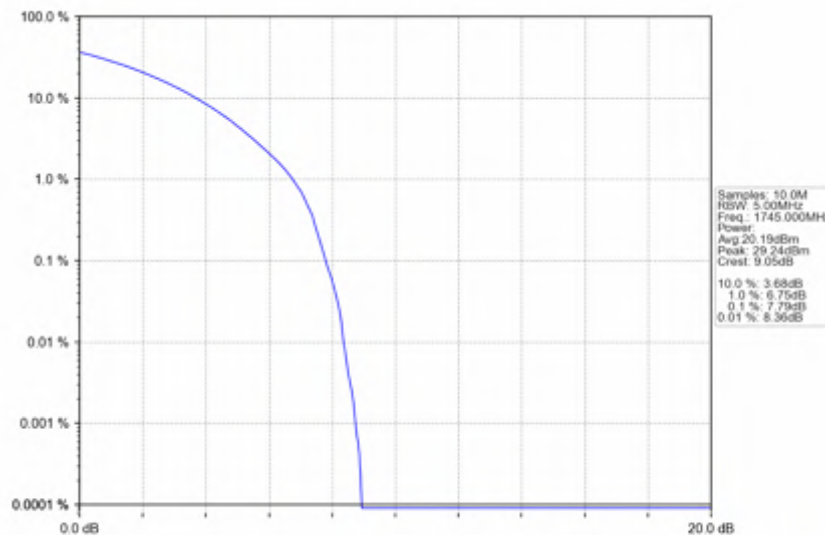


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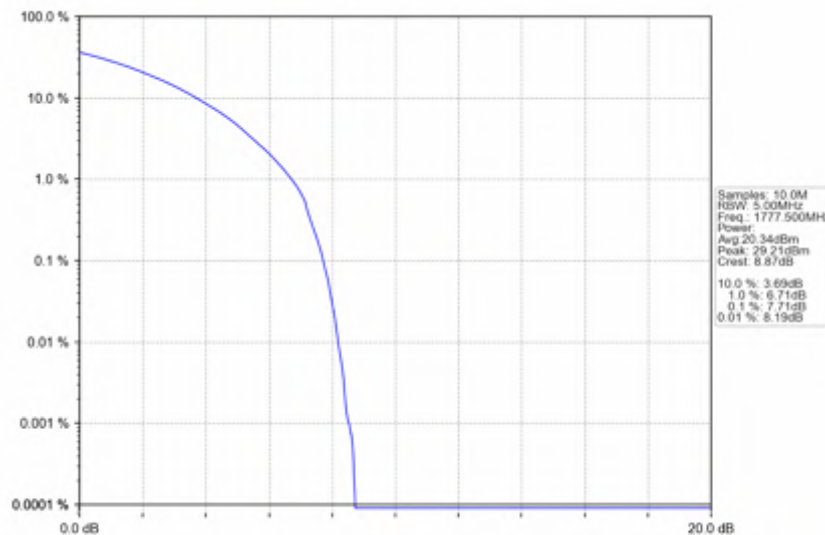
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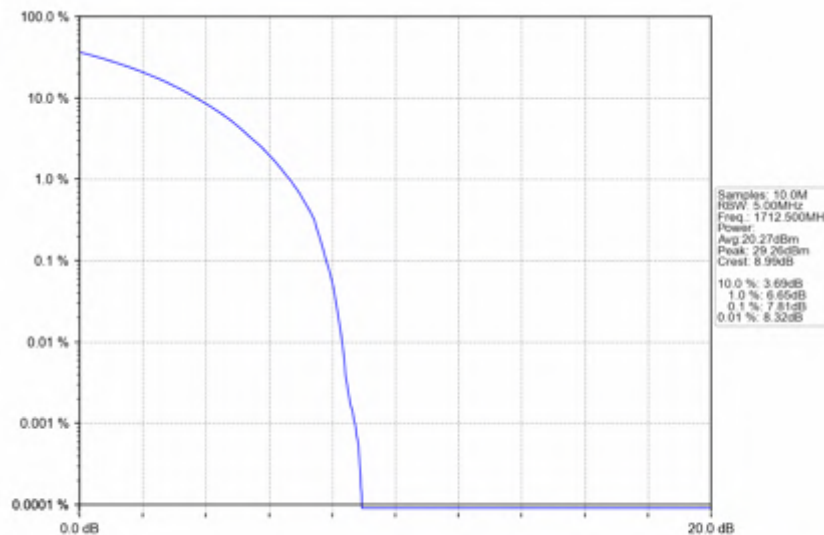


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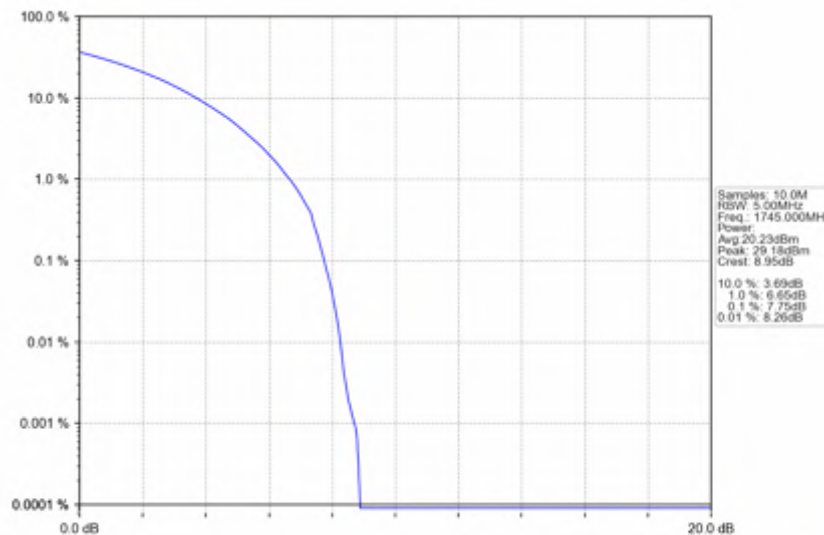
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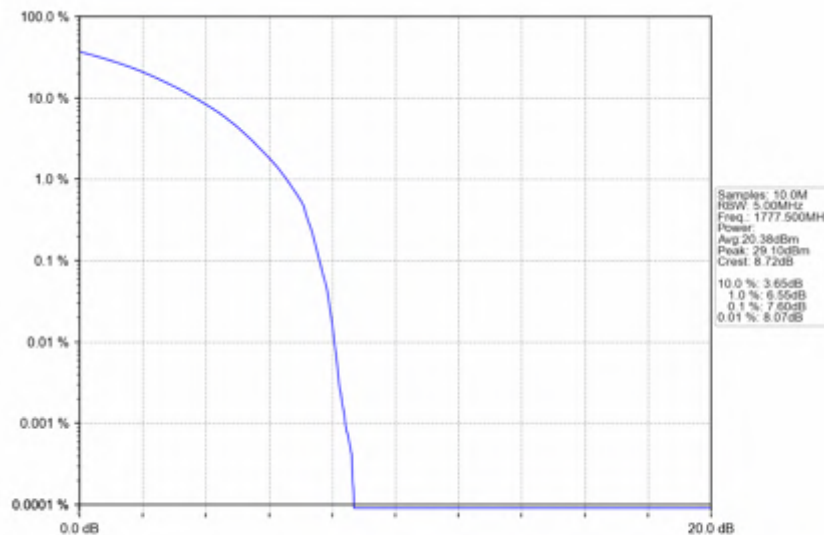


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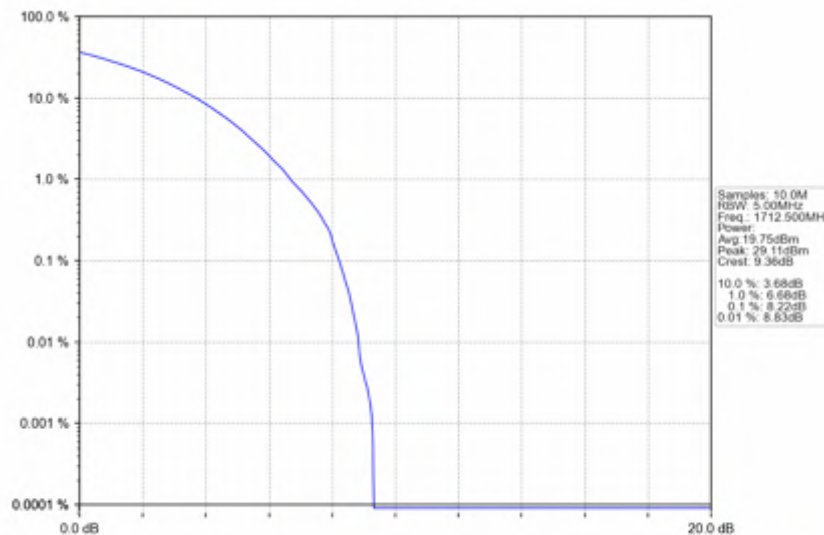
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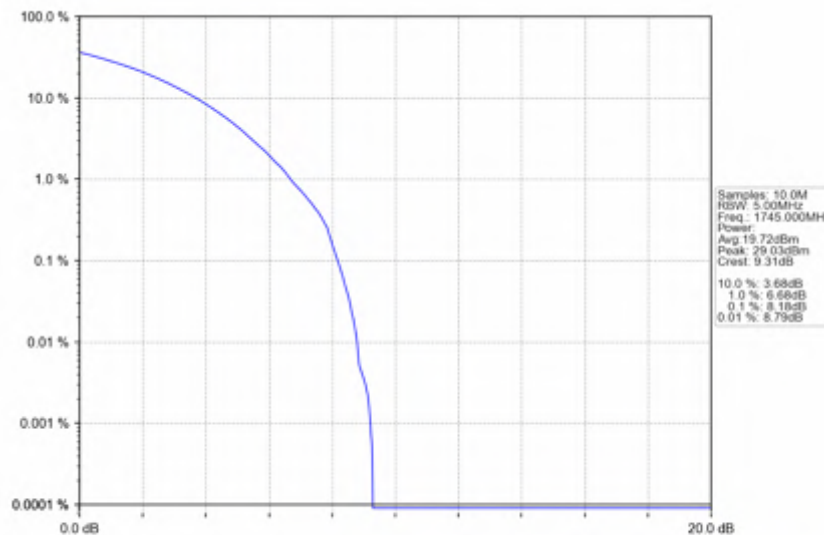
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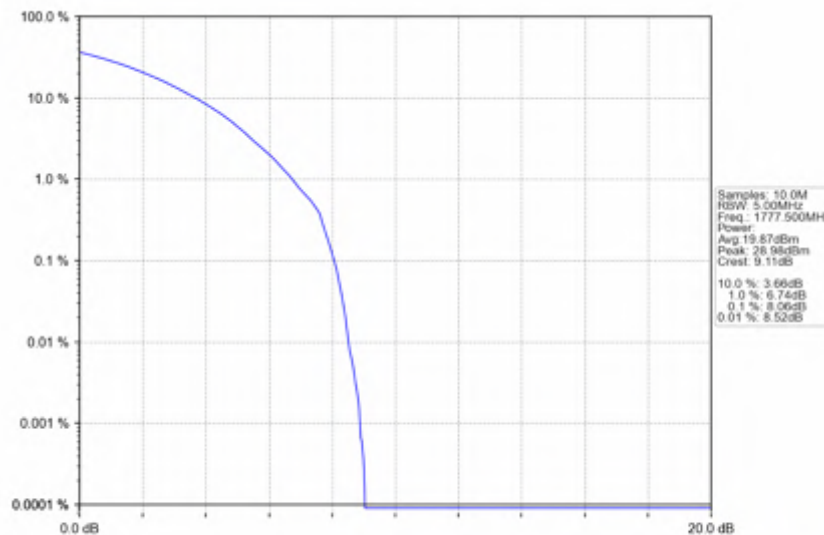
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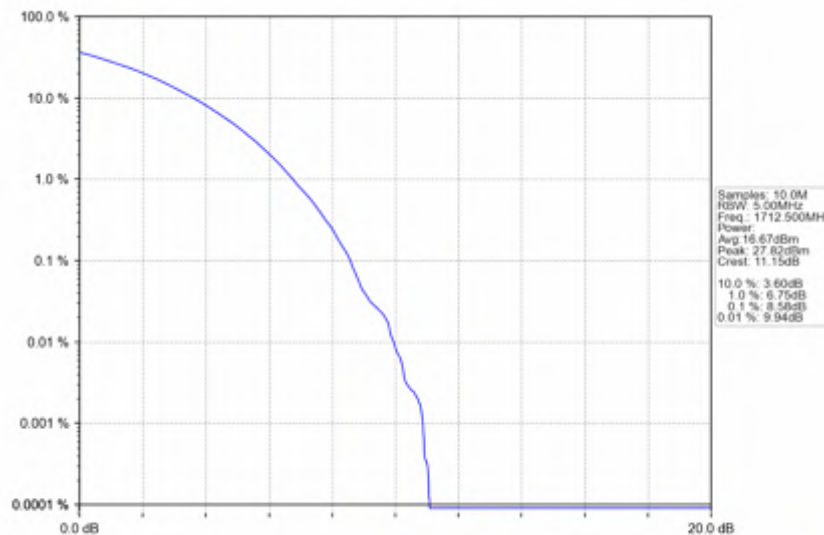
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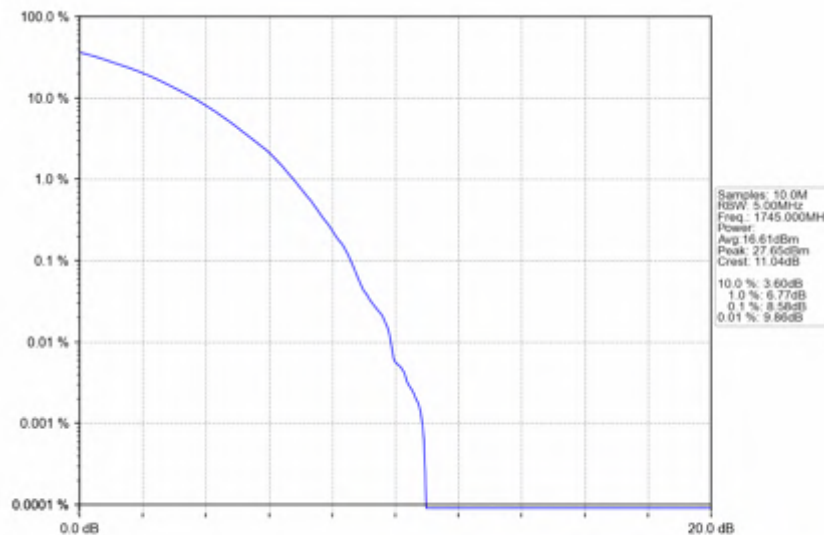
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n66_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_1712.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_5MHz_CP-OFDM_256_QAM_1745MHz_Outer_Full



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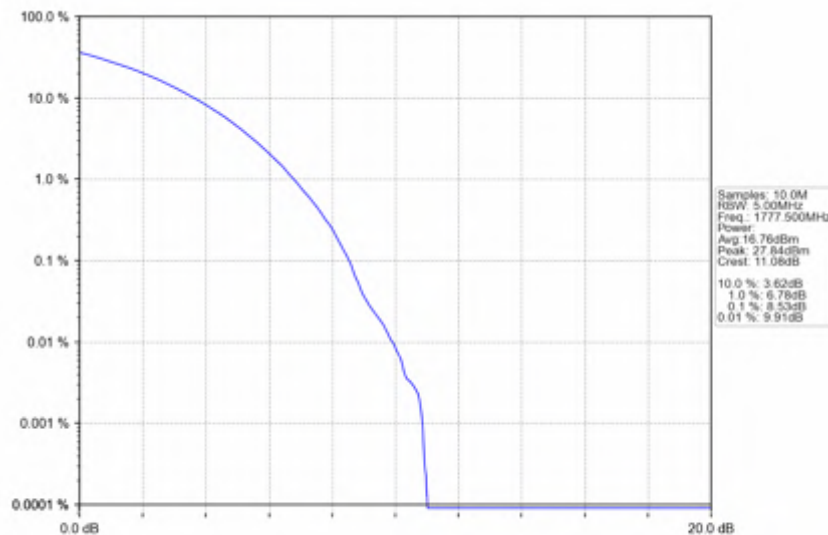
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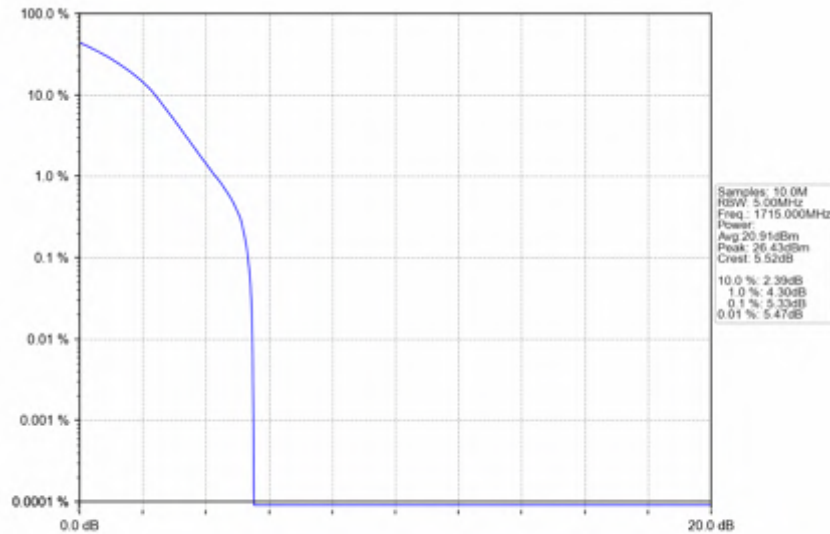
7.2 15k_SISO_10MHz_NTNV

7.2.1 Test Result

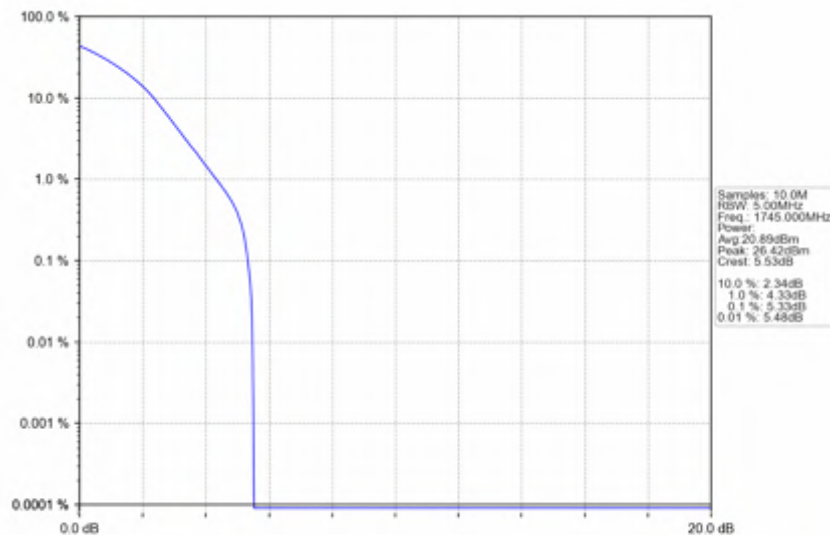
5G NR n66 SCS=15kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dBm)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	1715	Outer_Full	5.33	/	/	<=13	Pass
	1745	Outer_Full	5.33	/	/	<=13	Pass
	1775	Outer_Full	5.37	/	/	<=13	Pass
DFT-s-OFDM QPSK	1715	Outer_Full	5.39	/	/	<=13	Pass
	1745	Outer_Full	5.40	/	/	<=13	Pass
	1775	Outer_Full	5.40	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1715	Outer_Full	6.39	/	/	<=13	Pass
	1745	Outer_Full	6.39	/	/	<=13	Pass
	1775	Outer_Full	6.40	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1715	Outer_Full	6.62	/	/	<=13	Pass
	1745	Outer_Full	6.62	/	/	<=13	Pass
	1775	Outer_Full	6.68	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1715	Outer_Full	6.81	/	/	<=13	Pass
	1745	Outer_Full	6.78	/	/	<=13	Pass
	1775	Outer_Full	6.82	/	/	<=13	Pass
CP-OFDM QPSK	1715	Outer_Full	8.46	/	/	<=13	Pass
	1745	Outer_Full	8.42	/	/	<=13	Pass
	1775	Outer_Full	8.38	/	/	<=13	Pass
CP-OFDM 16 QAM	1715	Outer_Full	8.14	/	/	<=13	Pass
	1745	Outer_Full	8.14	/	/	<=13	Pass
	1775	Outer_Full	8.11	/	/	<=13	Pass
CP-OFDM 64 QAM	1715	Outer_Full	8.19	/	/	<=13	Pass
	1745	Outer_Full	8.16	/	/	<=13	Pass
	1775	Outer_Full	8.12	/	/	<=13	Pass
CP-OFDM 256 QAM	1715	Outer_Full	8.49	/	/	<=13	Pass
	1745	Outer_Full	8.46	/	/	<=13	Pass
	1775	Outer_Full	8.51	/	/	<=13	Pass

7.2.2 Test Graph

n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_1715MHz_Outer_Full



n66	15kHz	SISO	NTNV	10MHz	DFT-s-OFDM	PI/2 BPSK	1745MHz	Outer	Full
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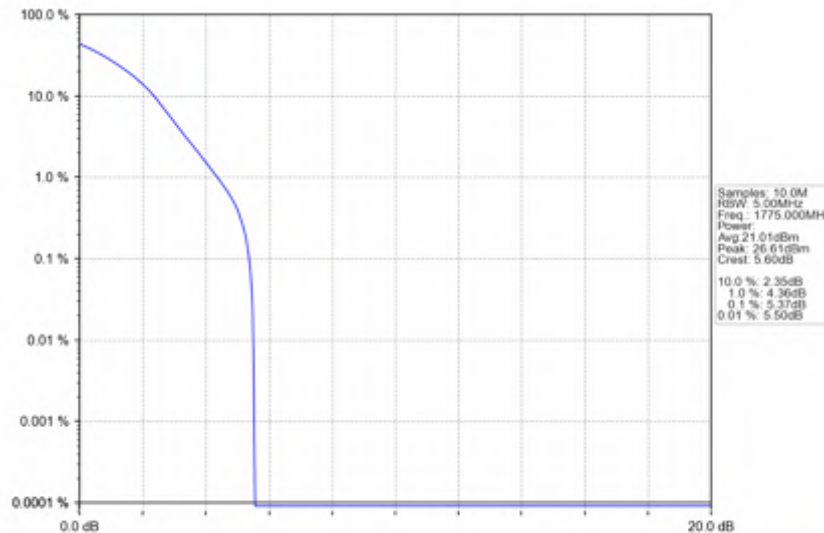


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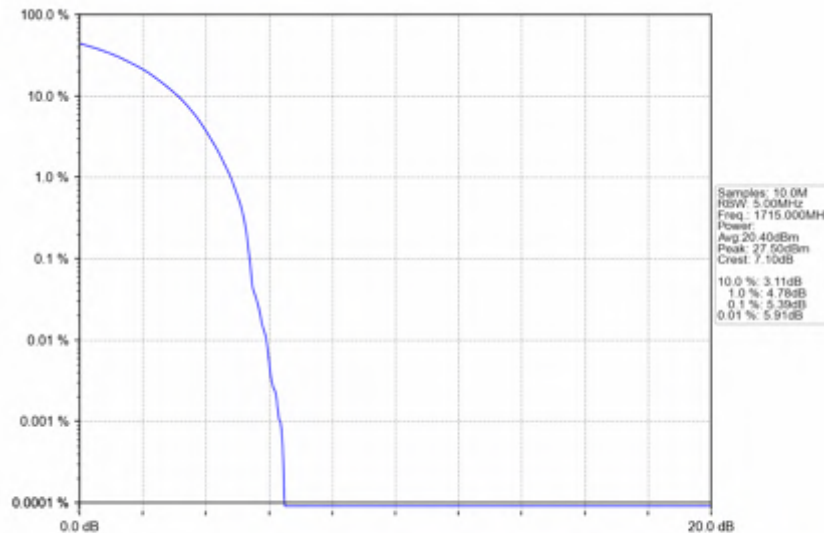
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n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1775MHz_Outer_Full



n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1715MHz_Outer_Full

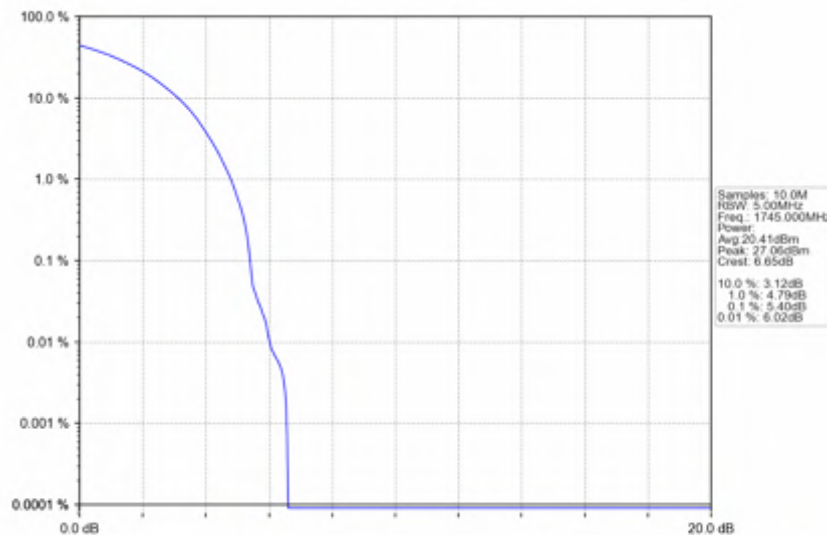


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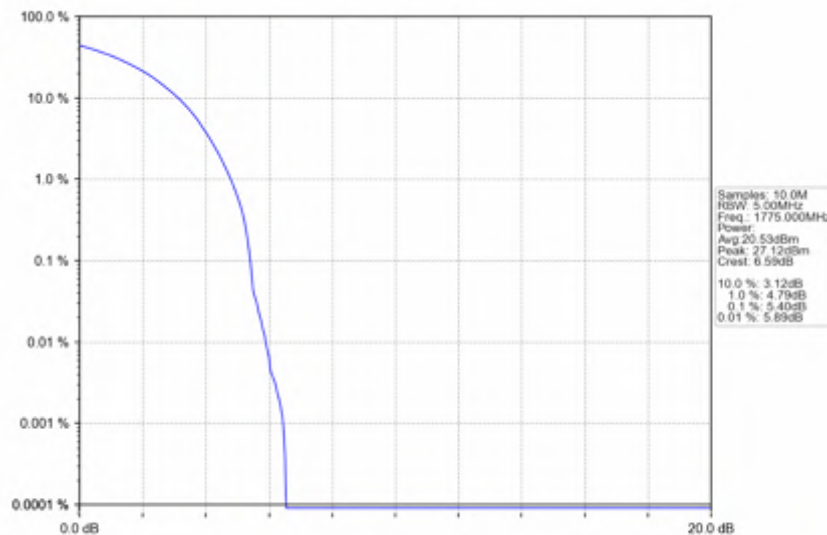
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n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_1745MHz_Outer_Full



n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_1775MHz_Outer_Full

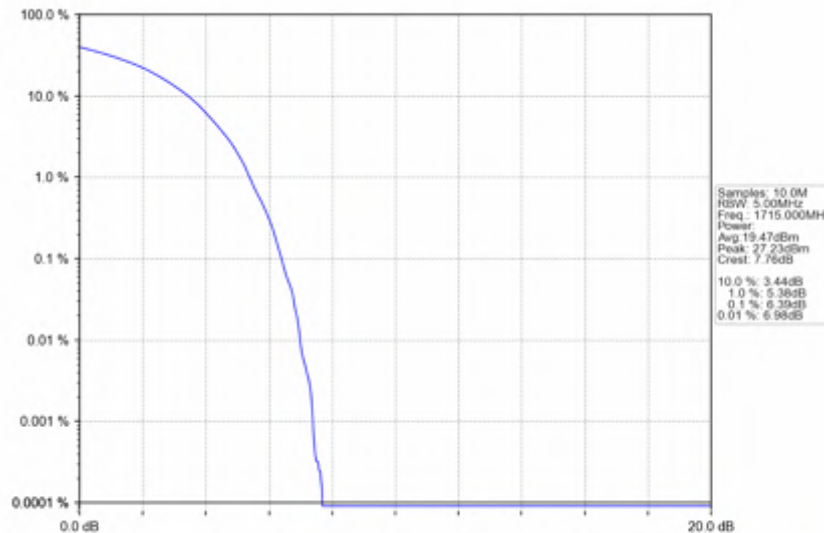


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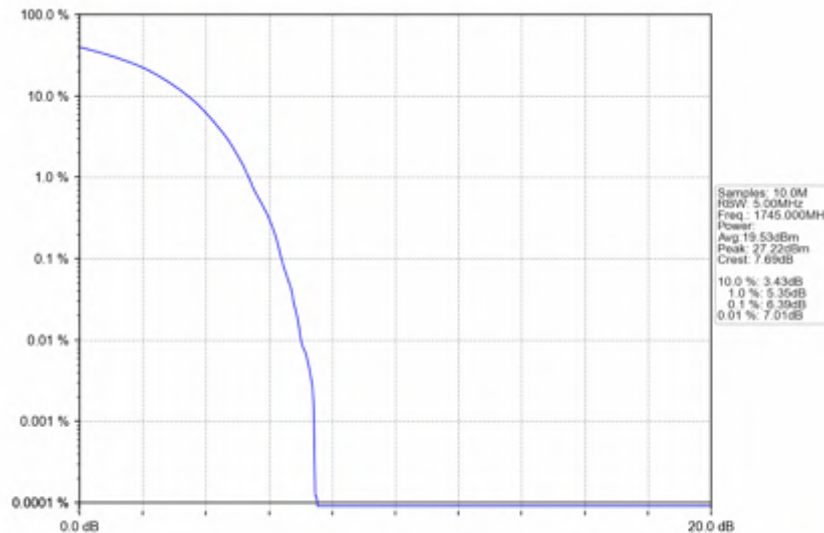
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n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_1745MHz_Outer_Full



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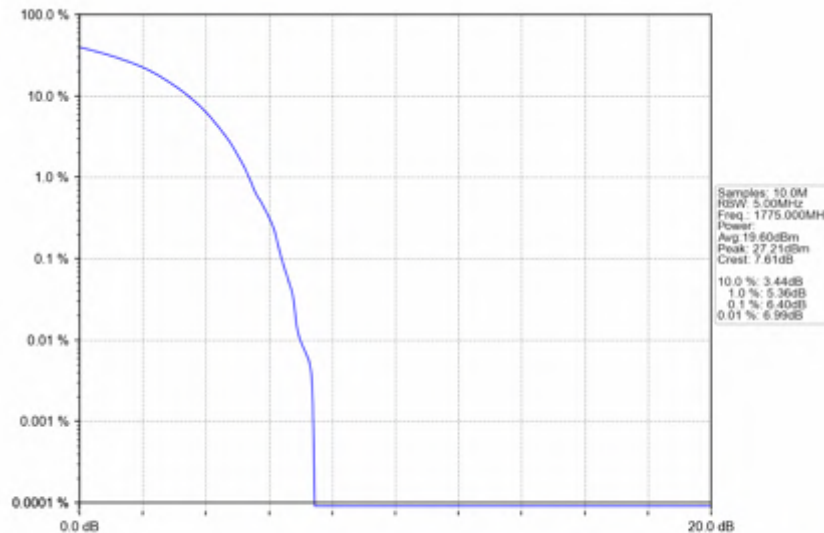
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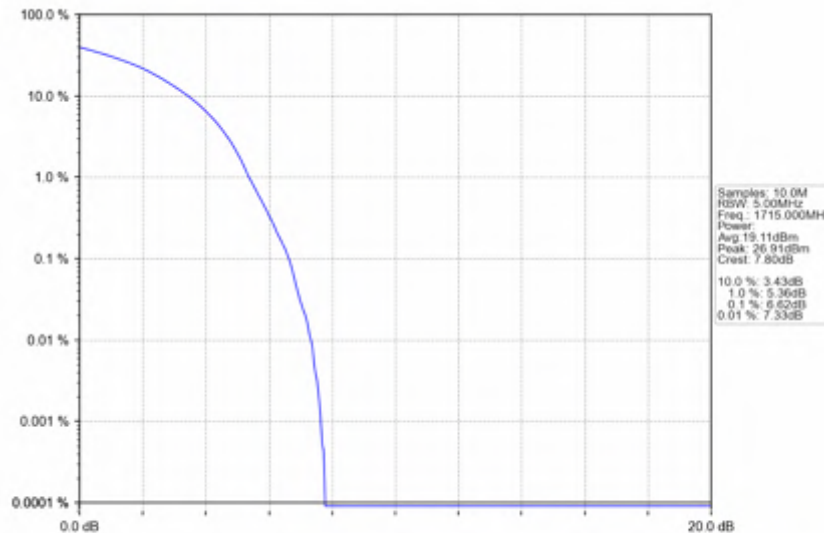
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n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_1775MHz_Outer_Full



n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_1715MHz_Outer_Full



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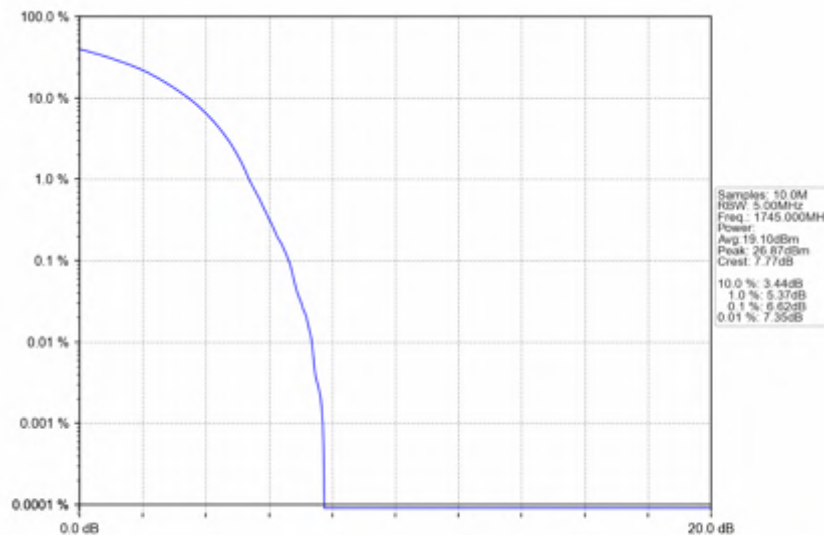
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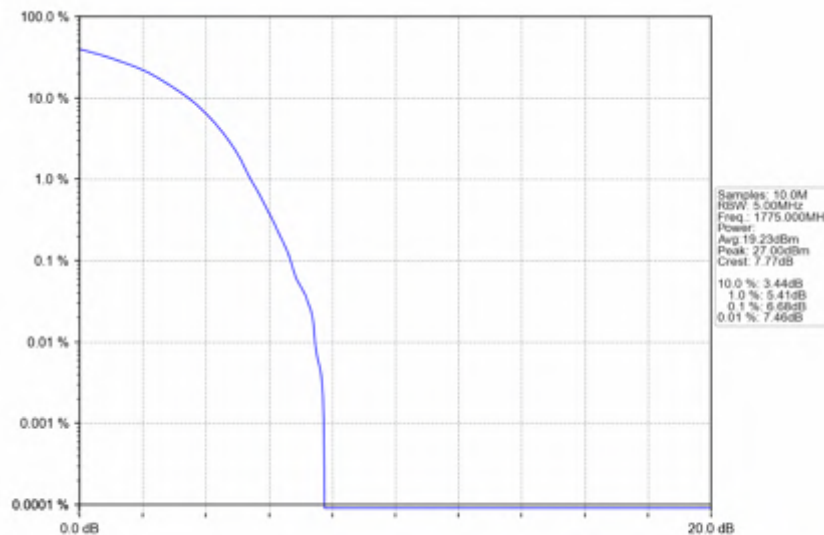
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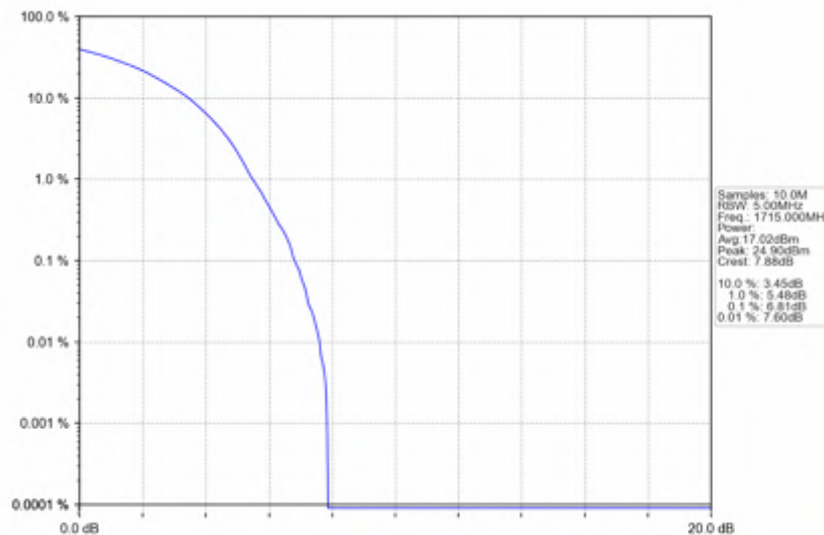


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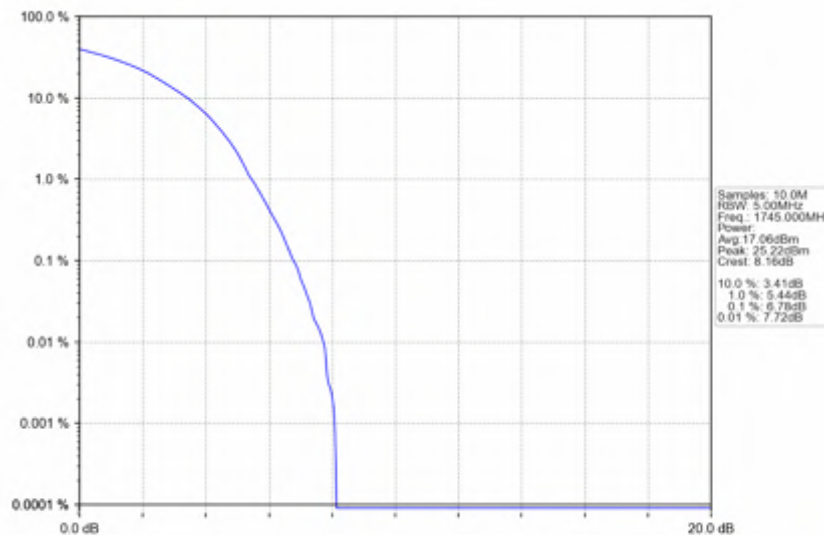
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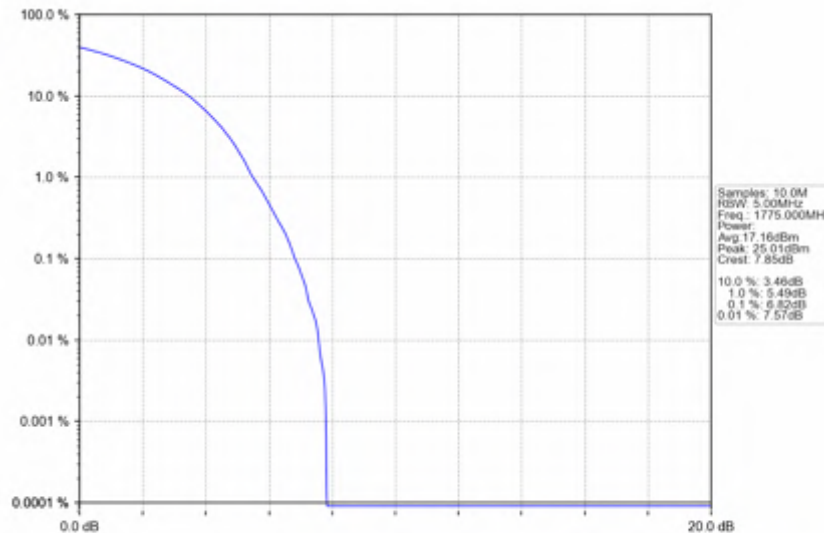


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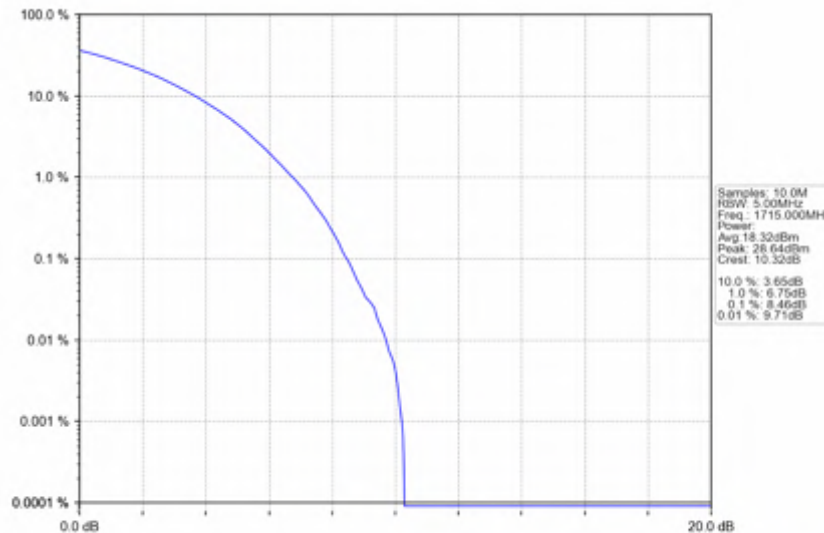
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n66_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1715MHz_Outer_Full

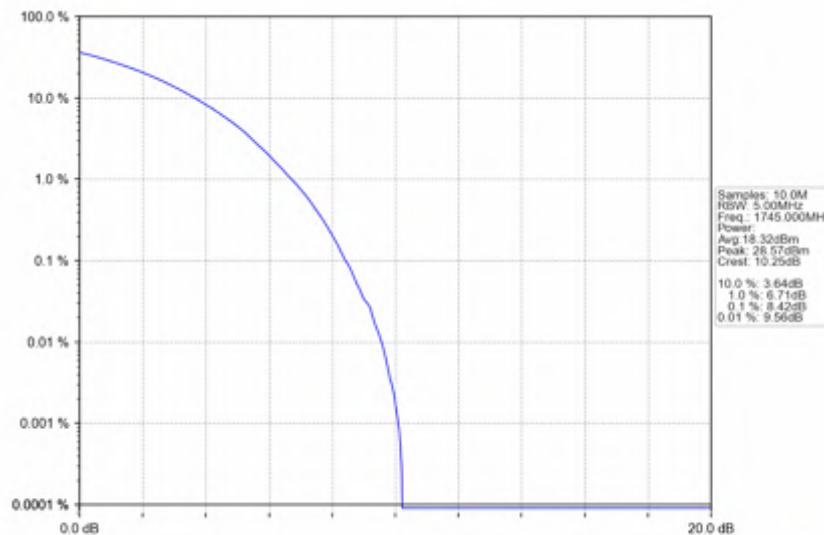


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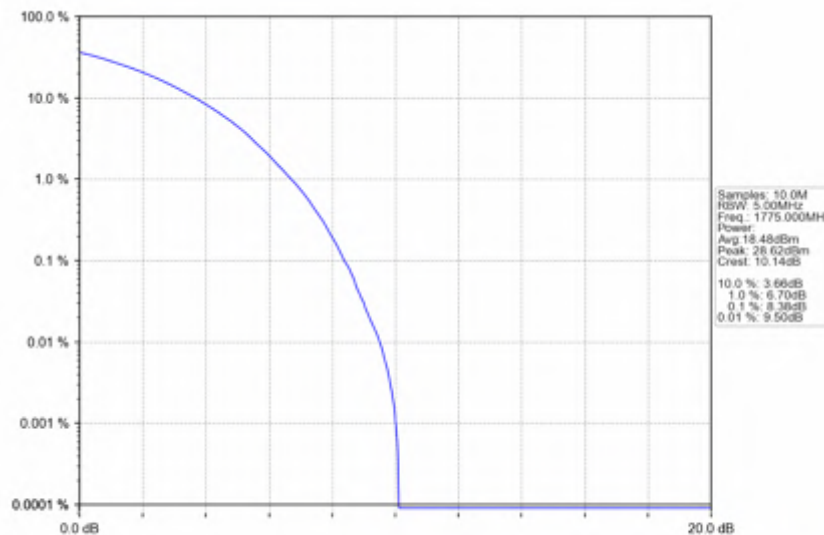
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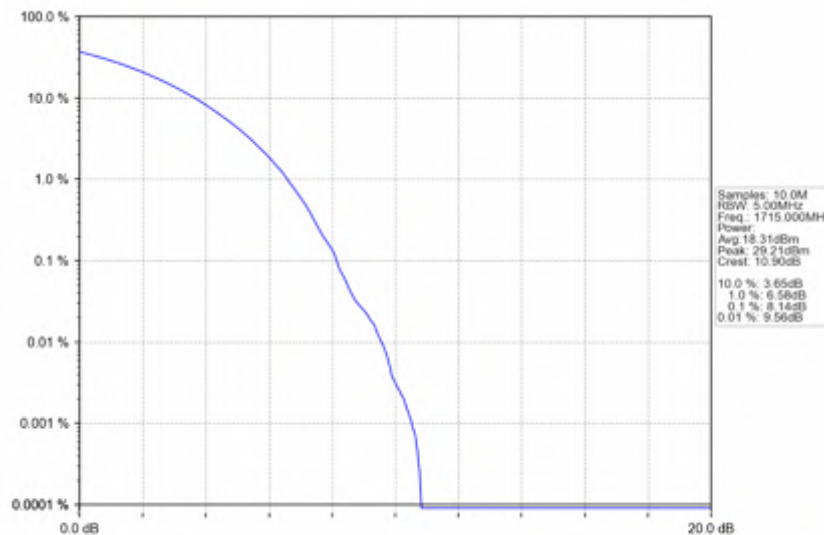
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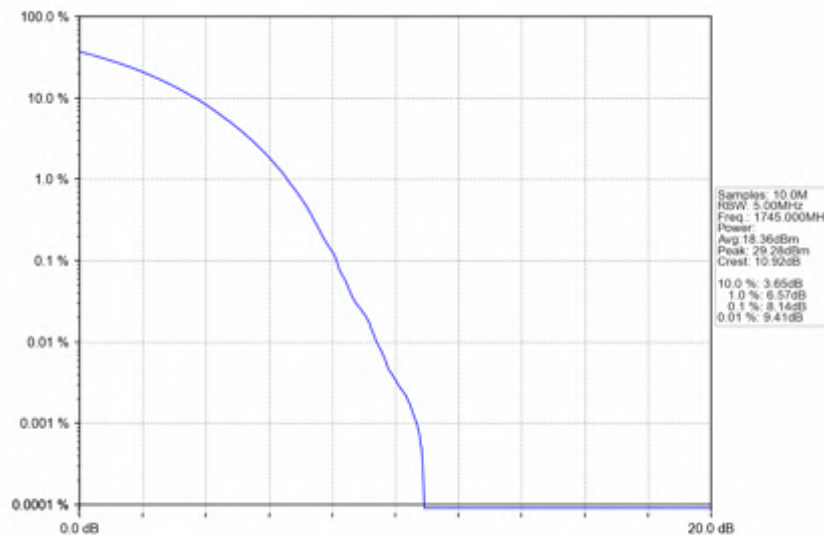
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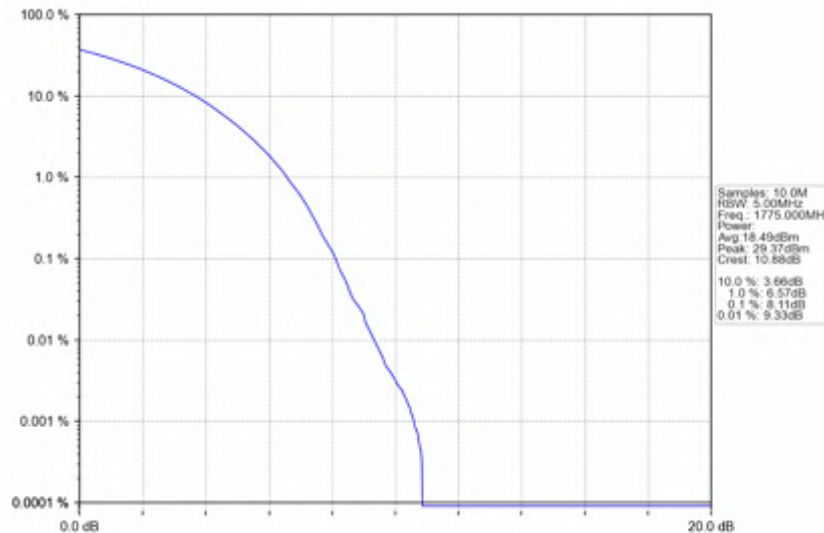


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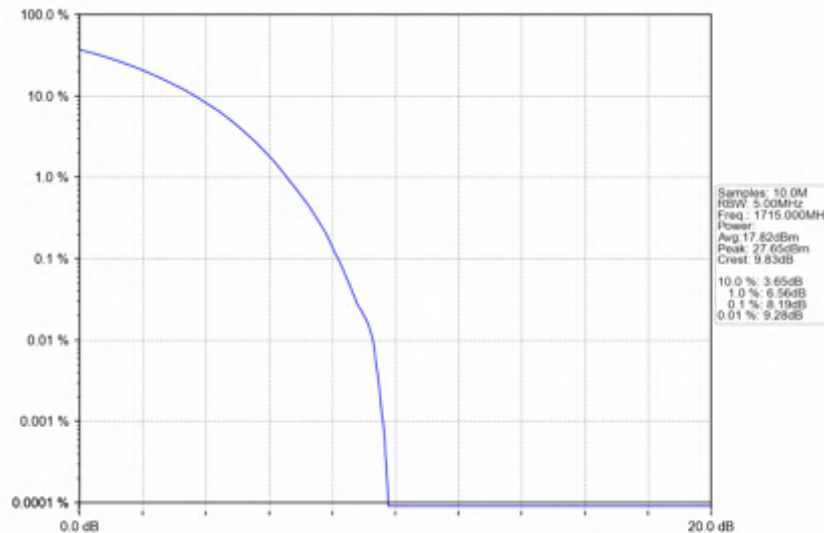
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n66_15kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_1775MHz_Outer_Full



n66_15kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_1715MHz_Outer_Full

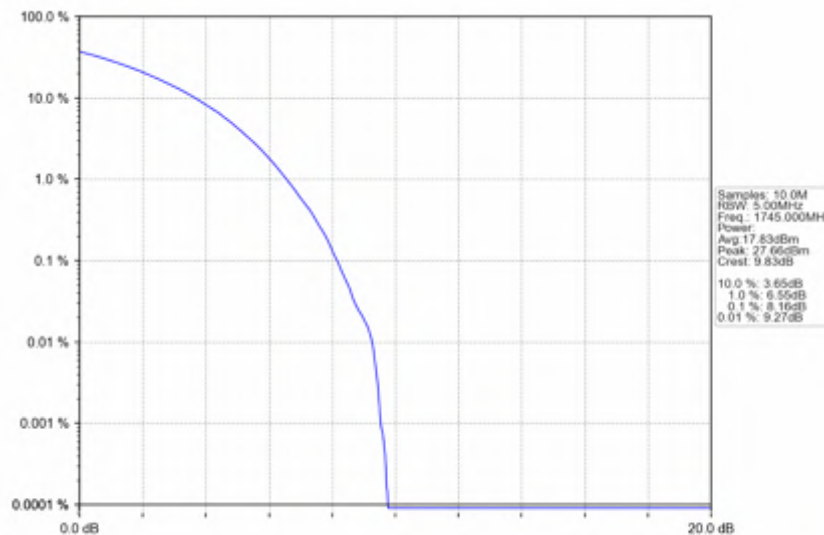


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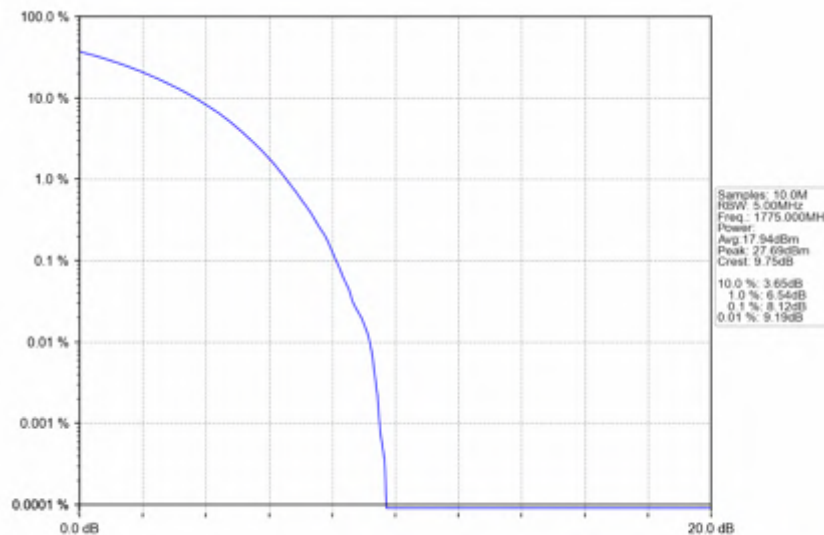
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n66_15kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_1745MHz_Outer_Full



n66_15kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_1775MHz_Outer_Full

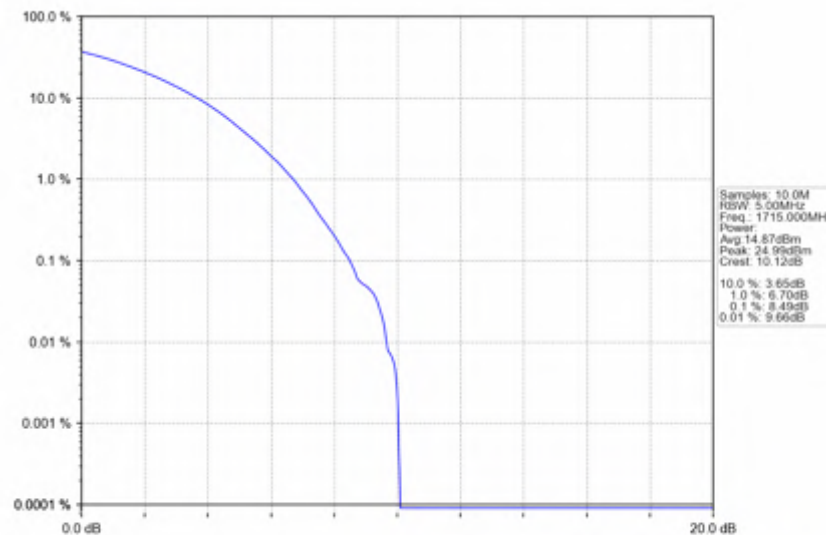


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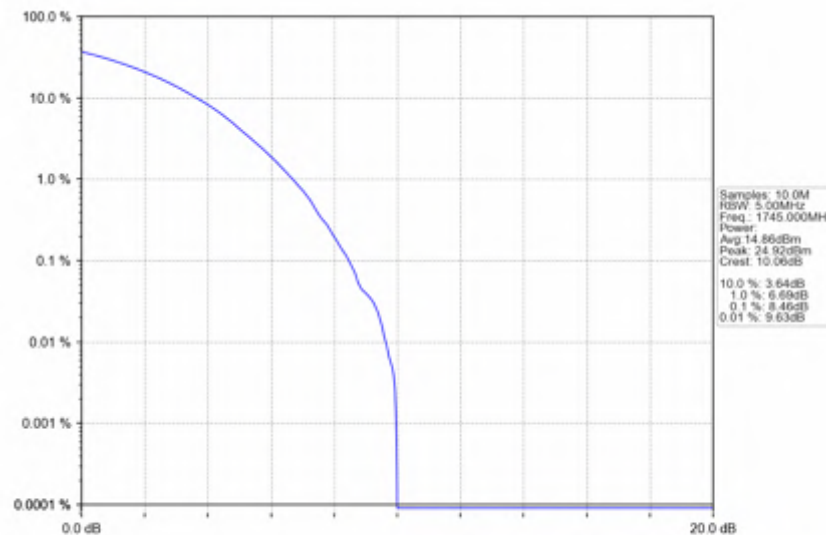
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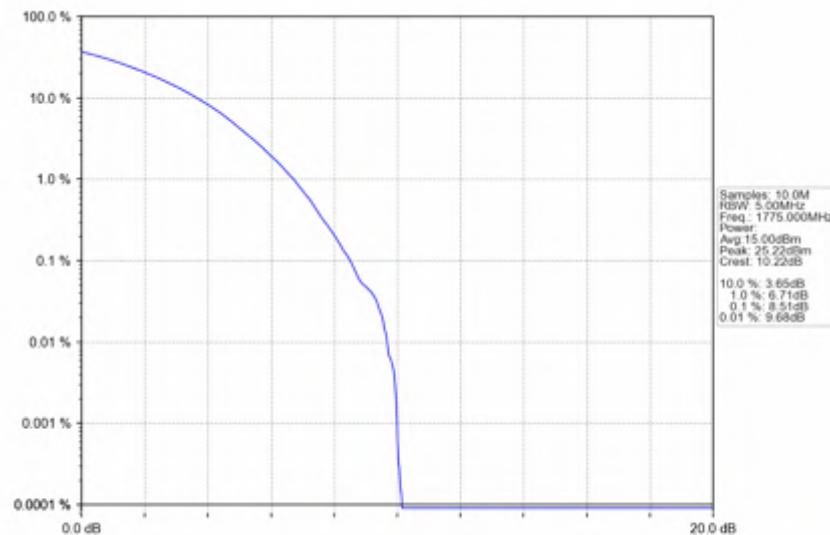


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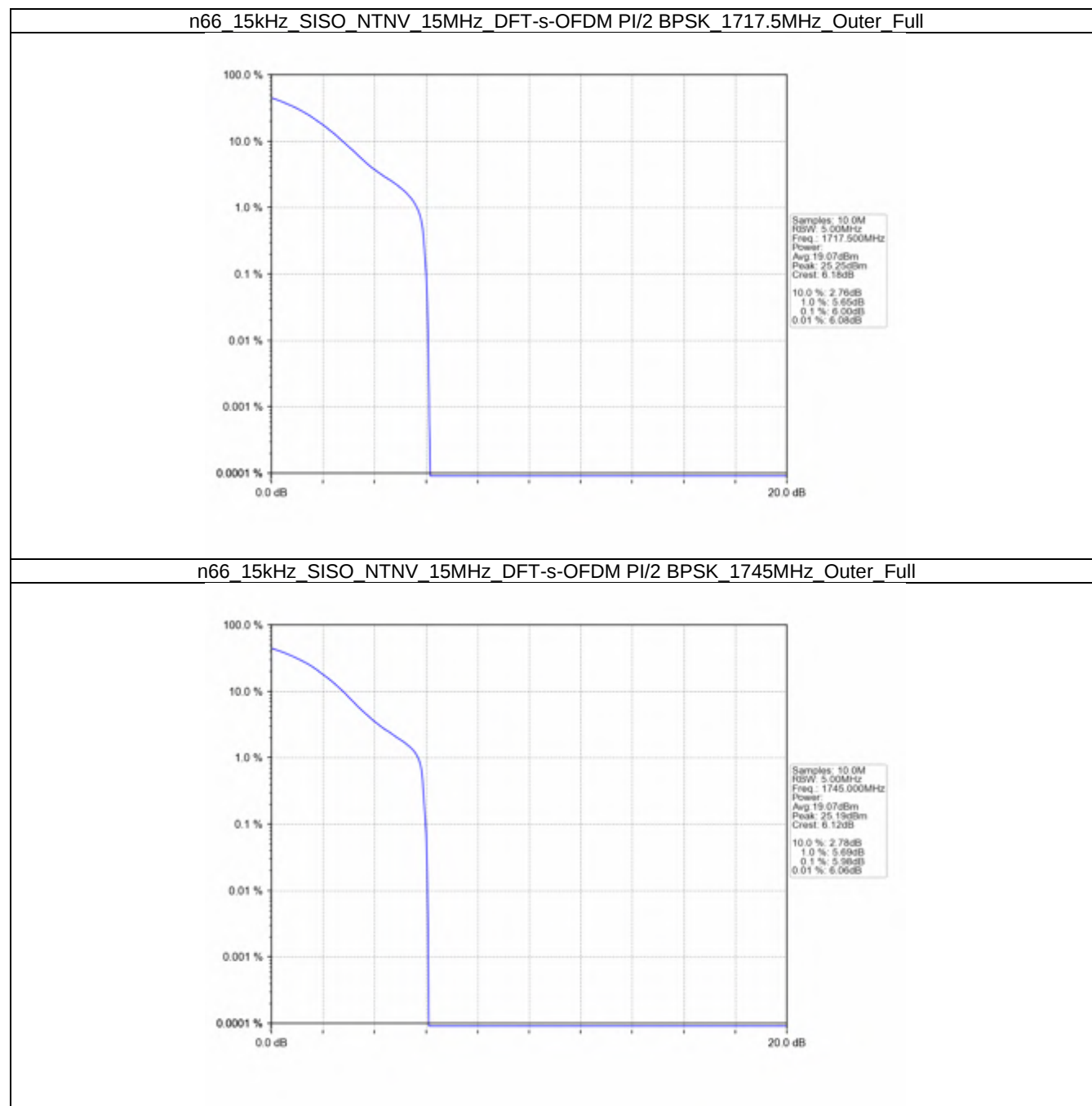
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7.3 15k_SISO_15MHz_NTNV

7.3.1 Test Result

5G NR n66 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	1717.5	Outer_Full	6.00	/	/	<=13	Pass
	1745	Outer_Full	5.98	/	/	<=13	Pass
	1772.5	Outer_Full	6.03	/	/	<=13	Pass
DFT-s-OFDM QPSK	1717.5	Outer_Full	6.10	/	/	<=13	Pass
	1745	Outer_Full	6.26	/	/	<=13	Pass
	1772.5	Outer_Full	6.22	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	1717.5	Outer_Full	6.96	/	/	<=13	Pass
	1745	Outer_Full	6.95	/	/	<=13	Pass
	1772.5	Outer_Full	7.01	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	1717.5	Outer_Full	7.06	/	/	<=13	Pass
	1745	Outer_Full	7.09	/	/	<=13	Pass
	1772.5	Outer_Full	7.15	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	1717.5	Outer_Full	7.22	/	/	<=13	Pass
	1745	Outer_Full	7.18	/	/	<=13	Pass
	1772.5	Outer_Full	7.25	/	/	<=13	Pass
CP-OFDM QPSK	1717.5	Outer_Full	8.37	/	/	<=13	Pass
	1745	Outer_Full	8.34	/	/	<=13	Pass
	1772.5	Outer_Full	8.34	/	/	<=13	Pass
CP-OFDM 16 QAM	1717.5	Outer_Full	8.30	/	/	<=13	Pass
	1745	Outer_Full	8.31	/	/	<=13	Pass
	1772.5	Outer_Full	8.29	/	/	<=13	Pass
CP-OFDM 64 QAM	1717.5	Outer_Full	8.63	/	/	<=13	Pass
	1745	Outer_Full	8.57	/	/	<=13	Pass
	1772.5	Outer_Full	8.56	/	/	<=13	Pass
CP-OFDM 256 QAM	1717.5	Outer_Full	8.83	/	/	<=13	Pass
	1745	Outer_Full	8.74	/	/	<=13	Pass
	1772.5	Outer_Full	8.92	/	/	<=13	Pass

7.3.2 Test Graph



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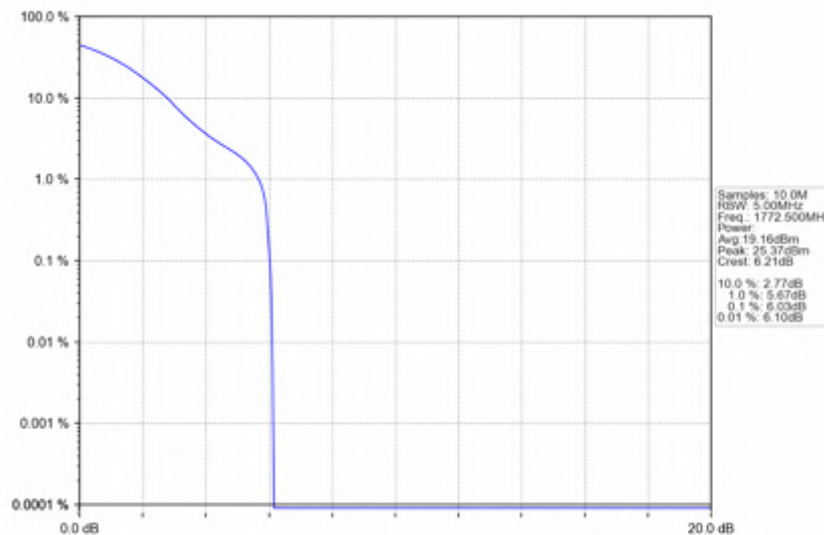
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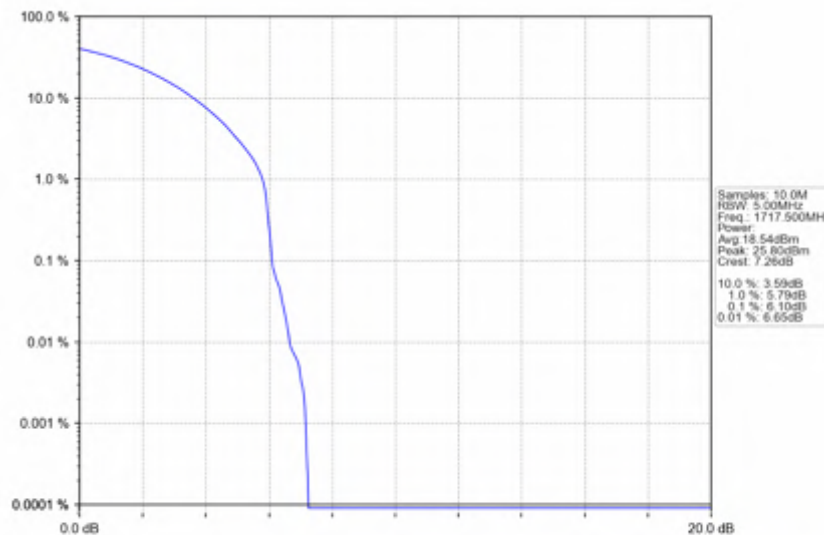
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n66_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_1717.5MHz_Outer_Full



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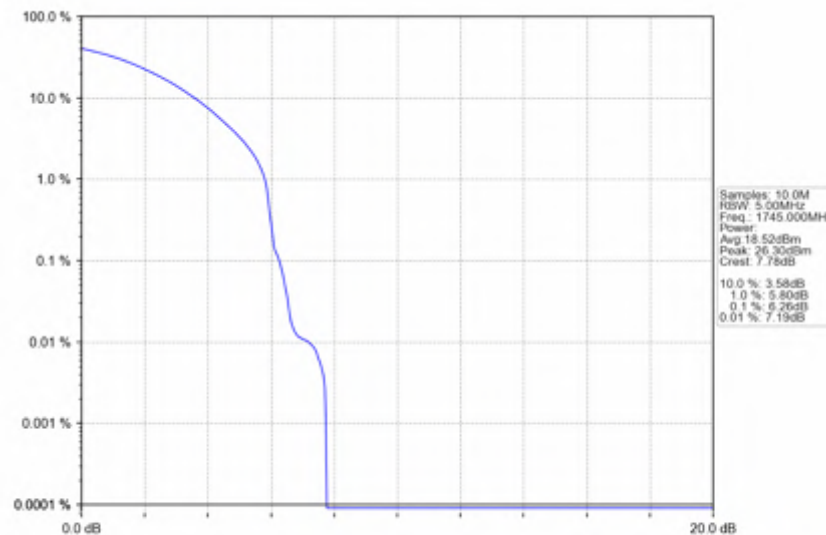
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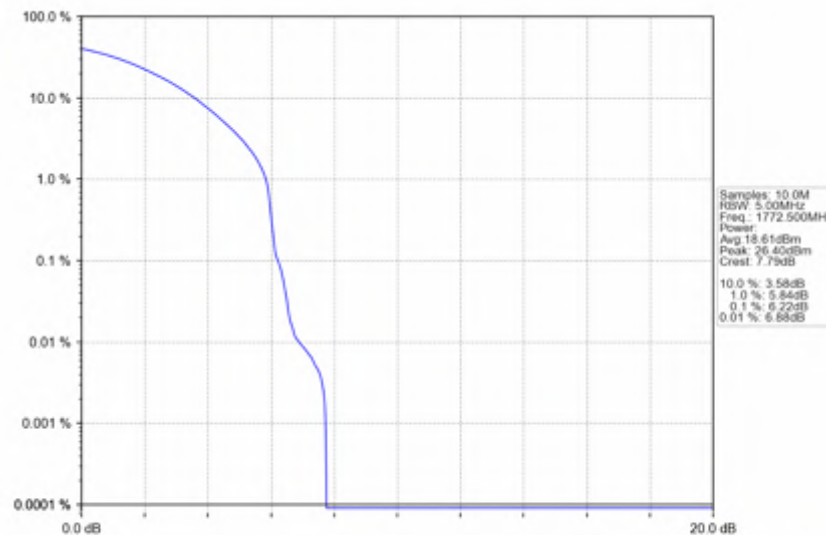
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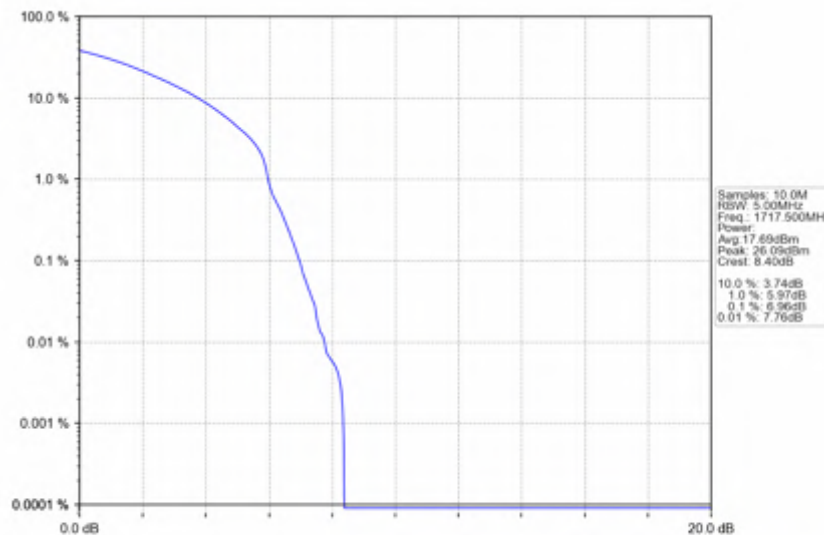


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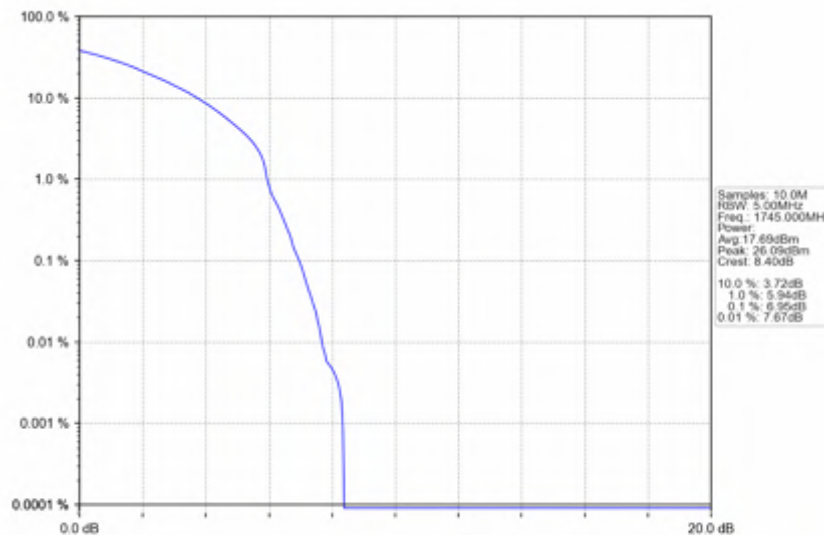
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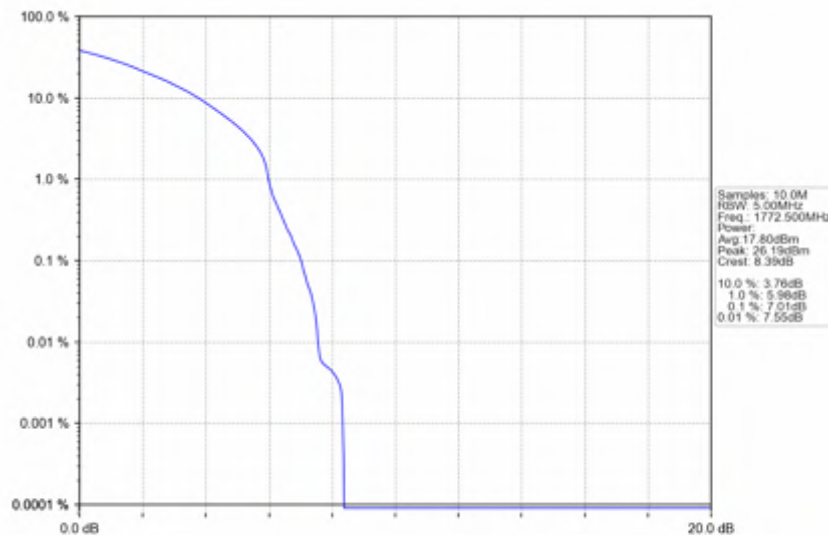


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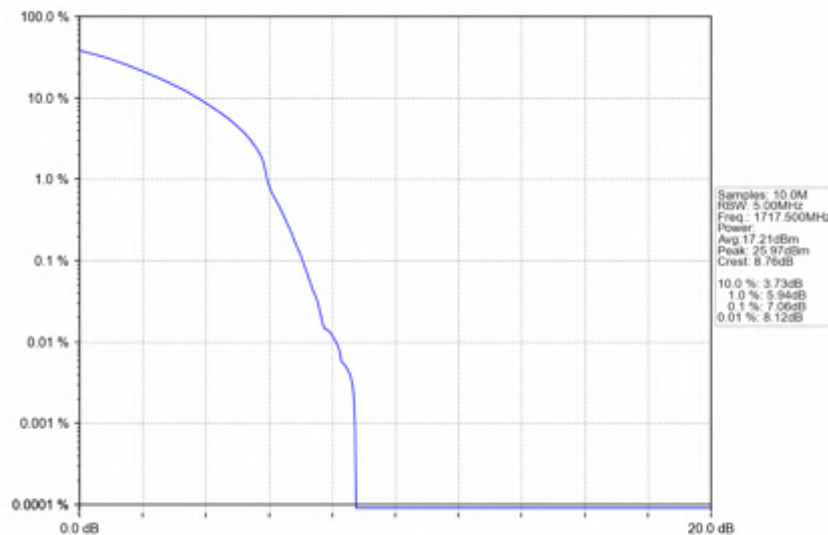
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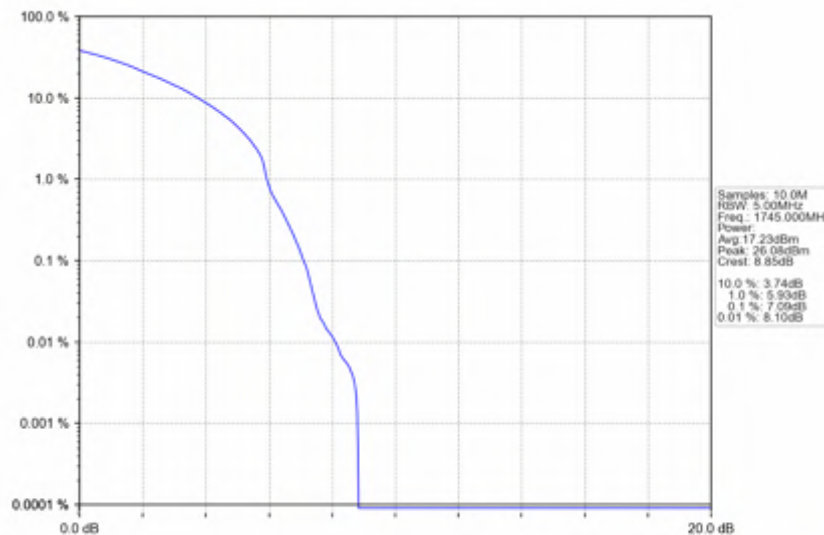


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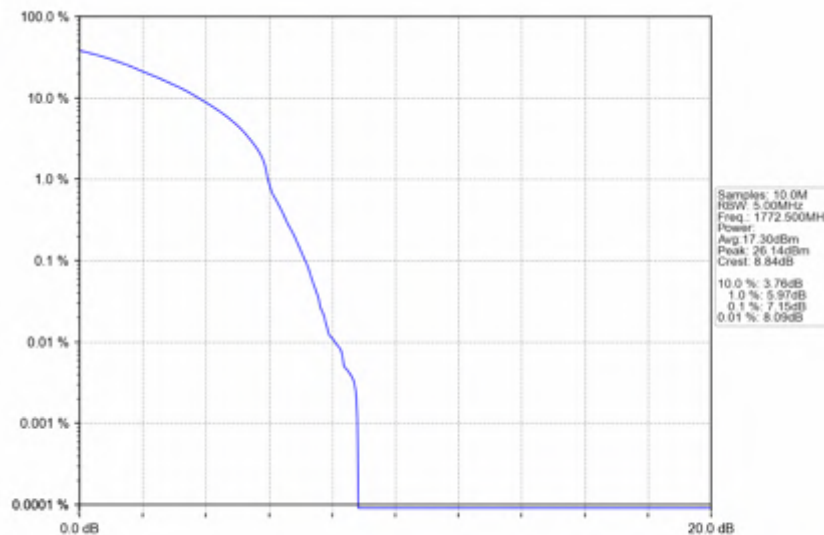
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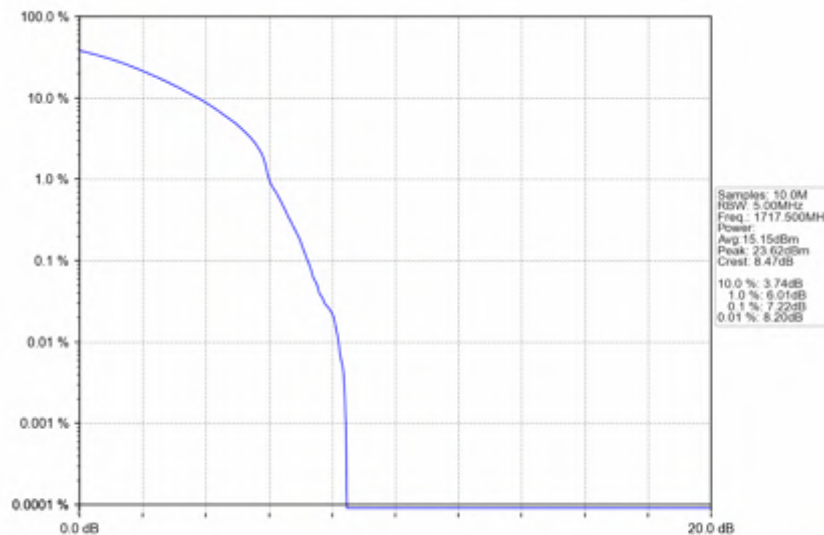


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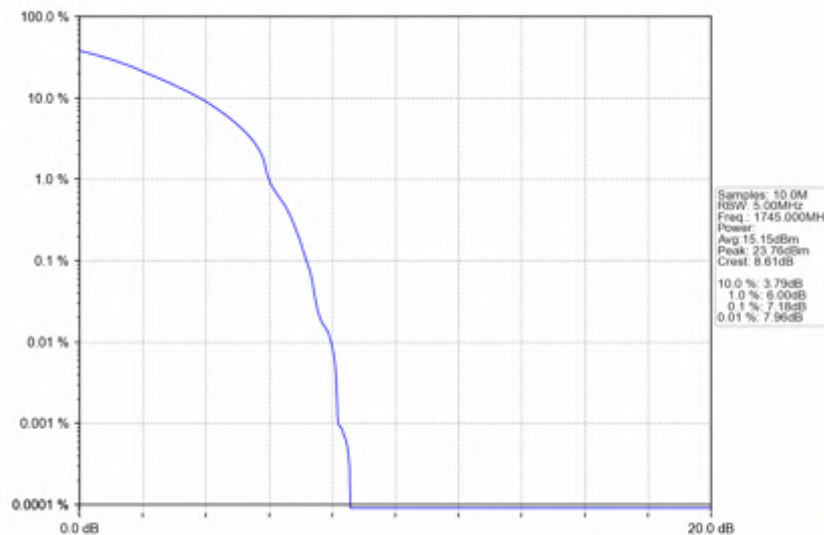
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n66_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_1745MHz_Outer_Full

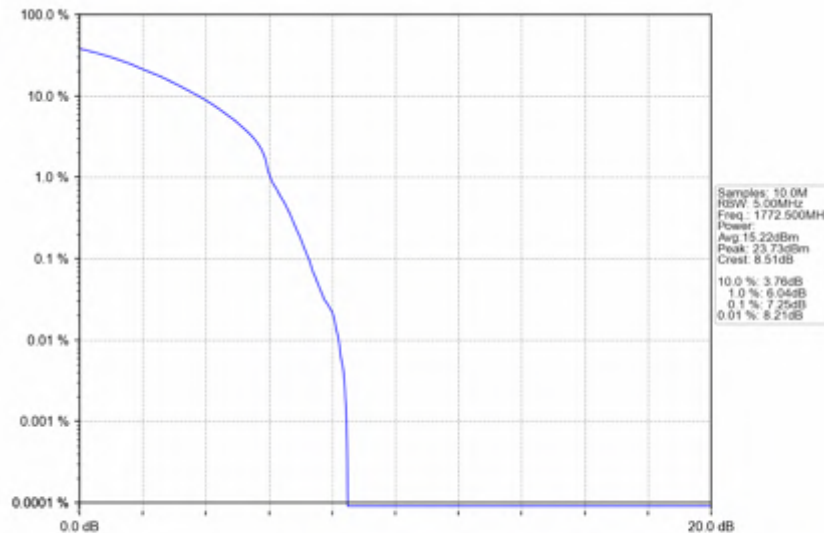


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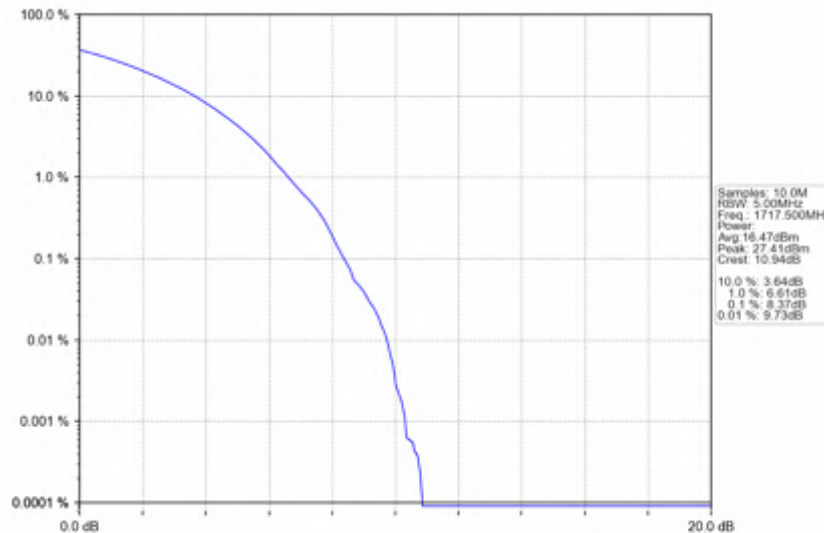
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n66_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_1772.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_1717.5MHz_Outer_Full

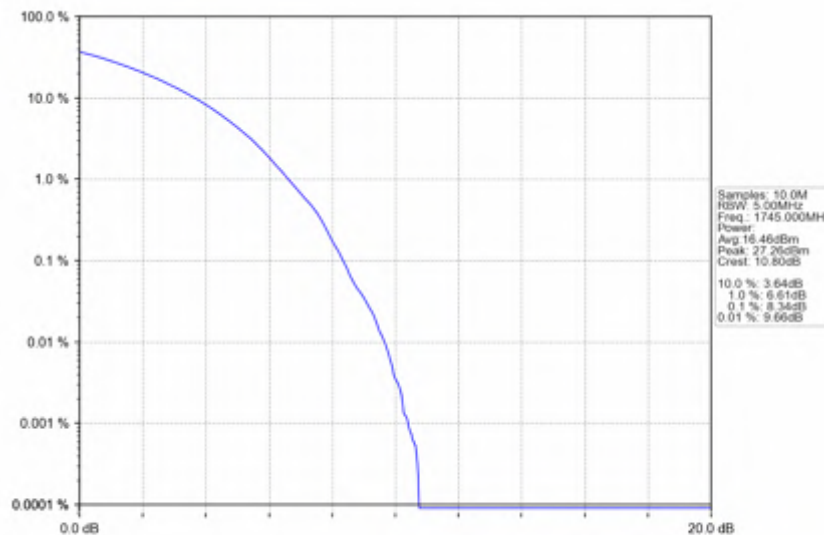


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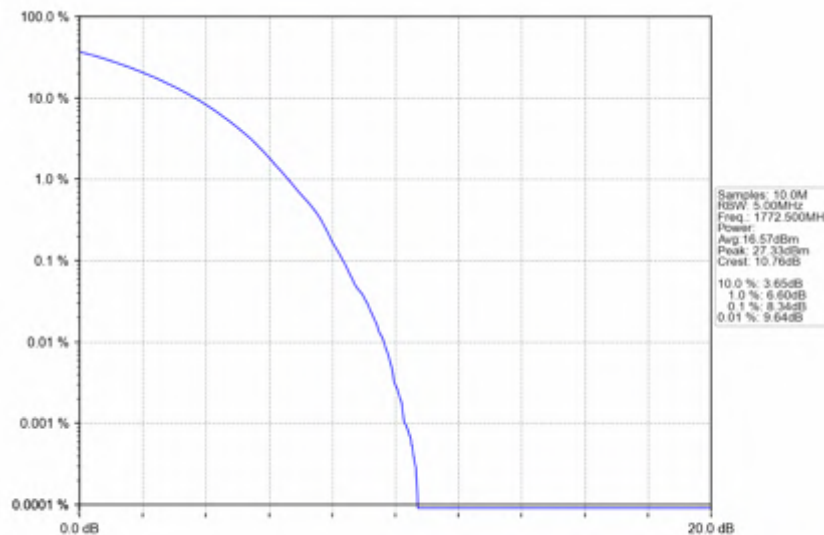
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n66_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_1745MHz_Outer_Full



n66_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_1772.5MHz_Outer_Full

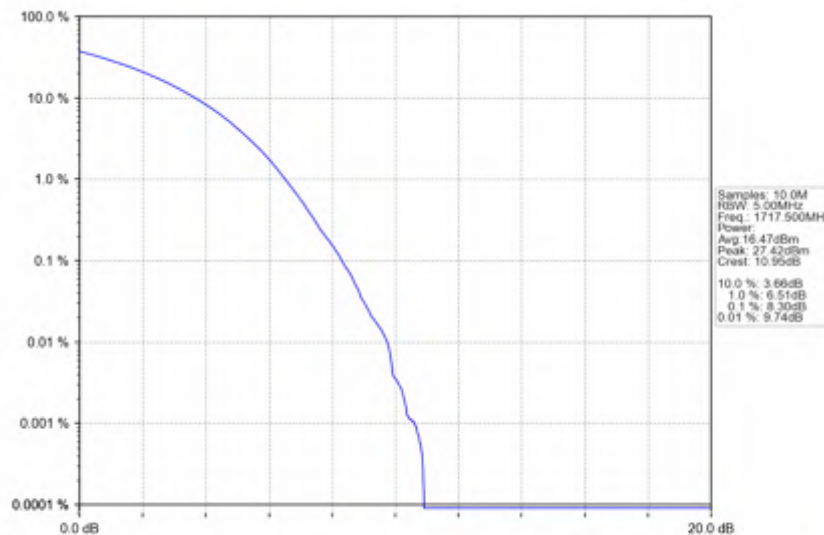


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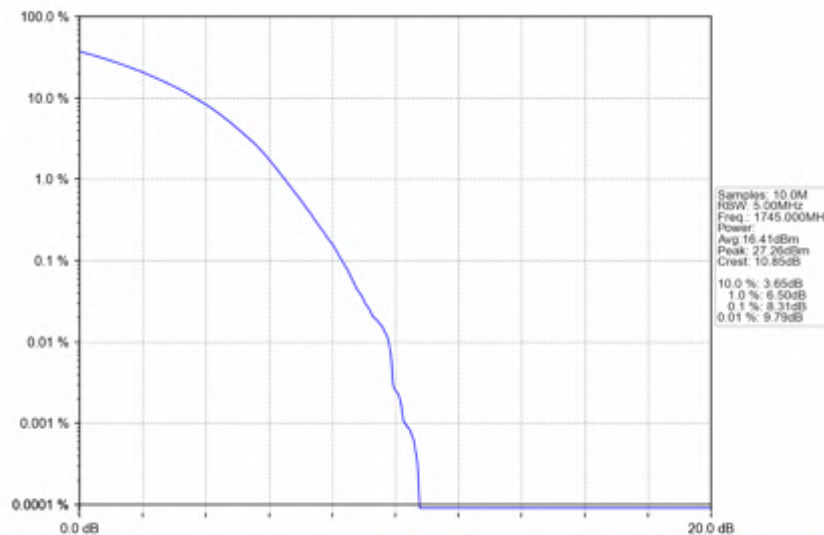
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n66_15kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_1717.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_1745MHz_Outer_Full

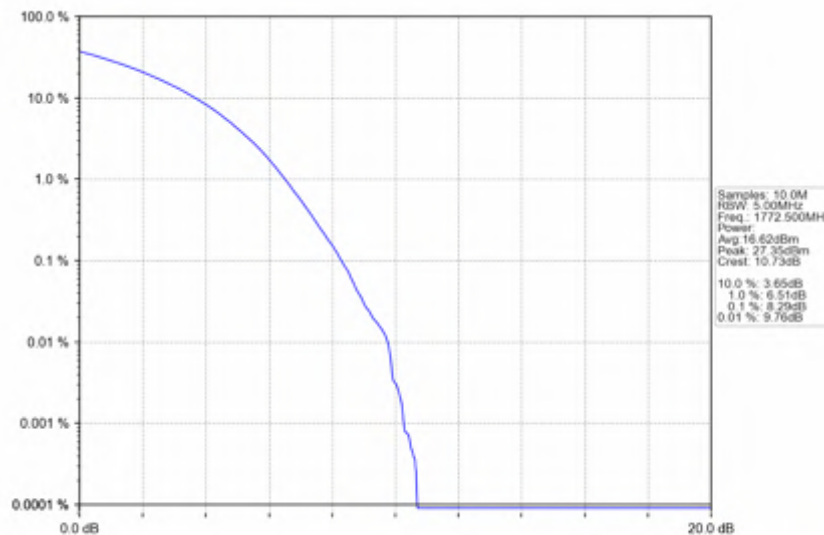


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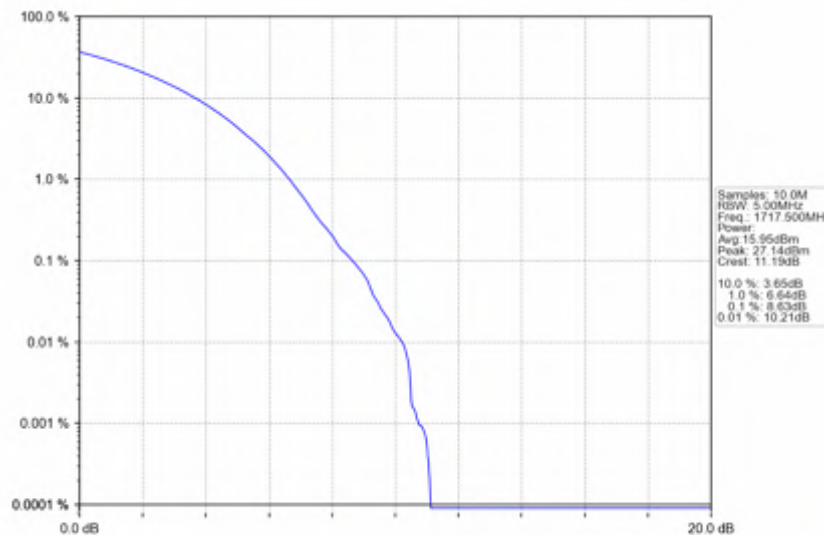
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n66_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_1772.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_1717.5MHz_Outer_Full



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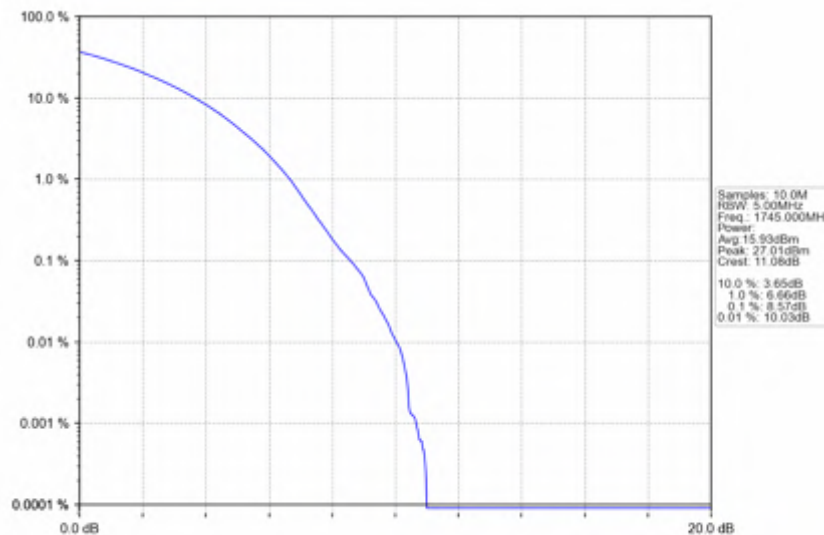
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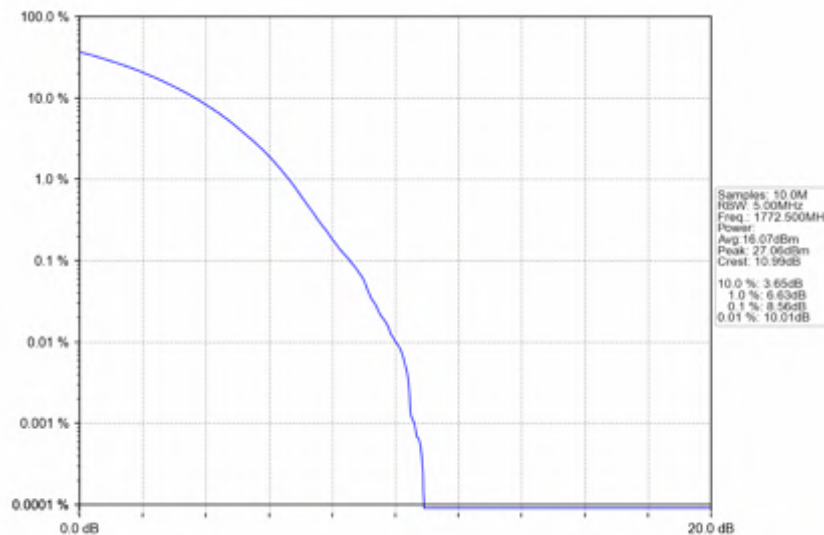
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n66_15kHz_SISO_NTNV_15MHz_CP-OFDM 64 QAM_1772.5MHz_Outer_Full



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