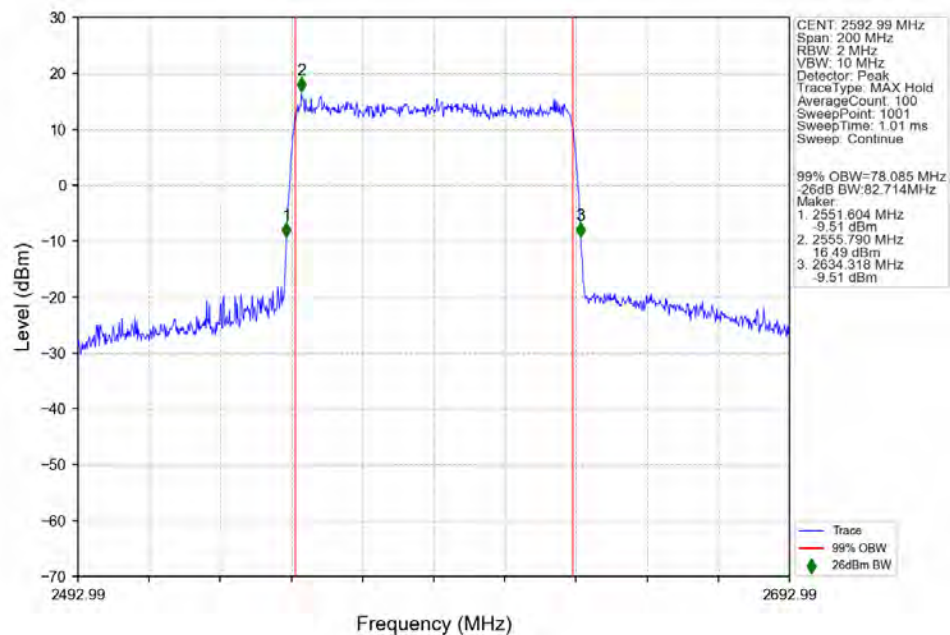
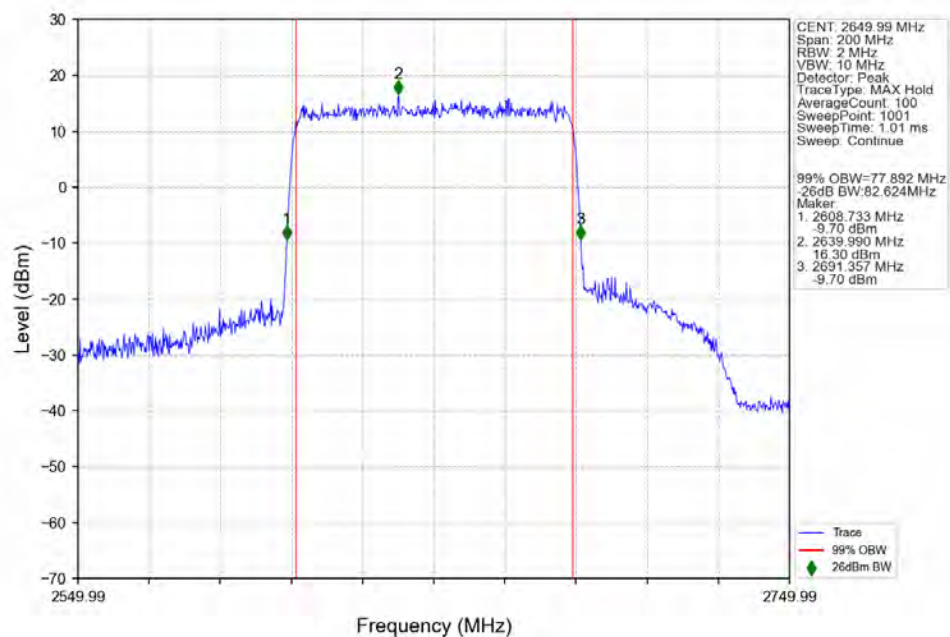


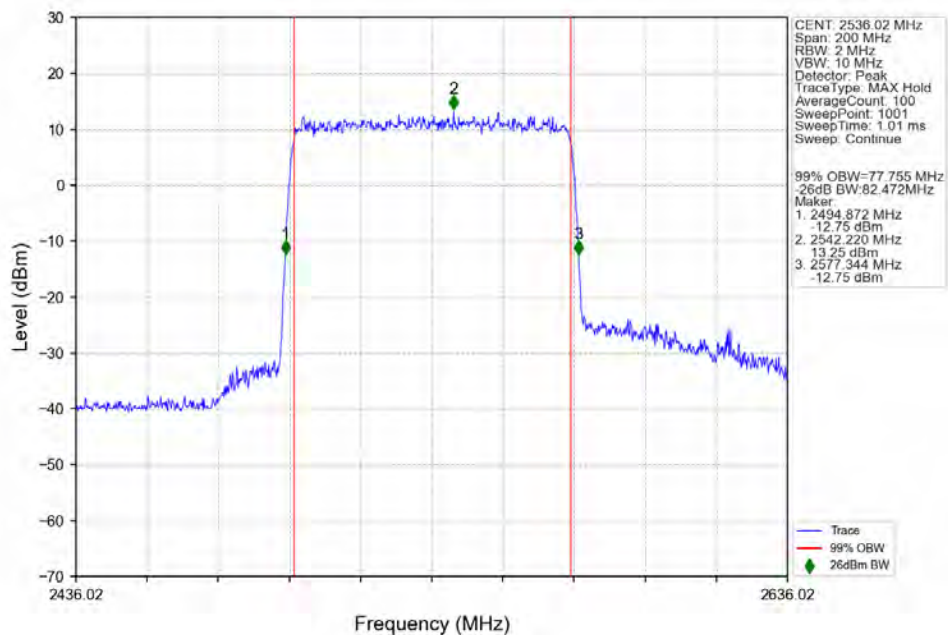
n41_30kHz_SISO_NTNV_80MHz_CP-OFDM_64_QAM_2592.99MHz_Outer_Full_Ant1



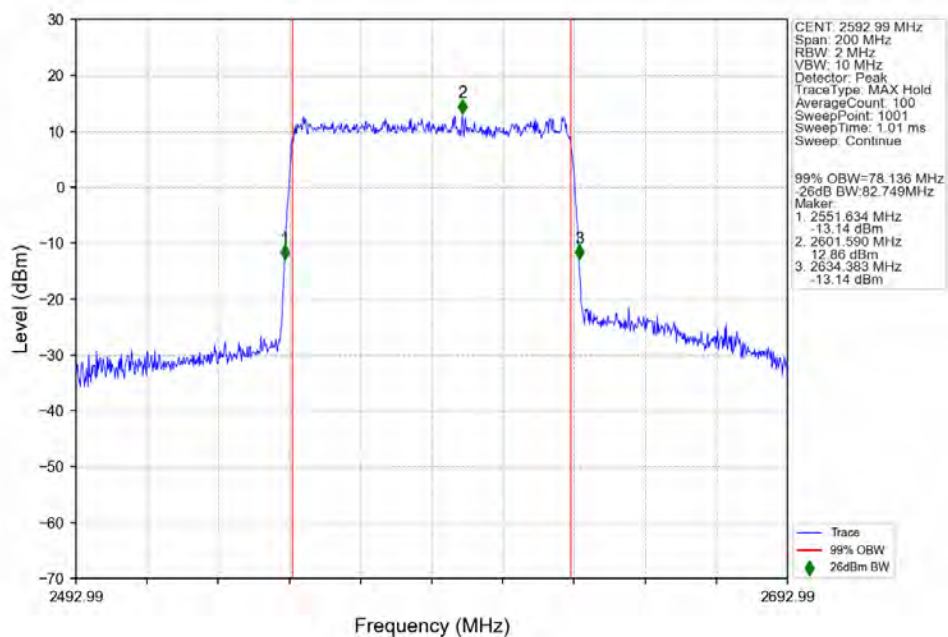
n41_30kHz_SISO_NTNV_80MHz_CP-OFDM_64_QAM_2649.99MHz_Outer_Full_Ant1



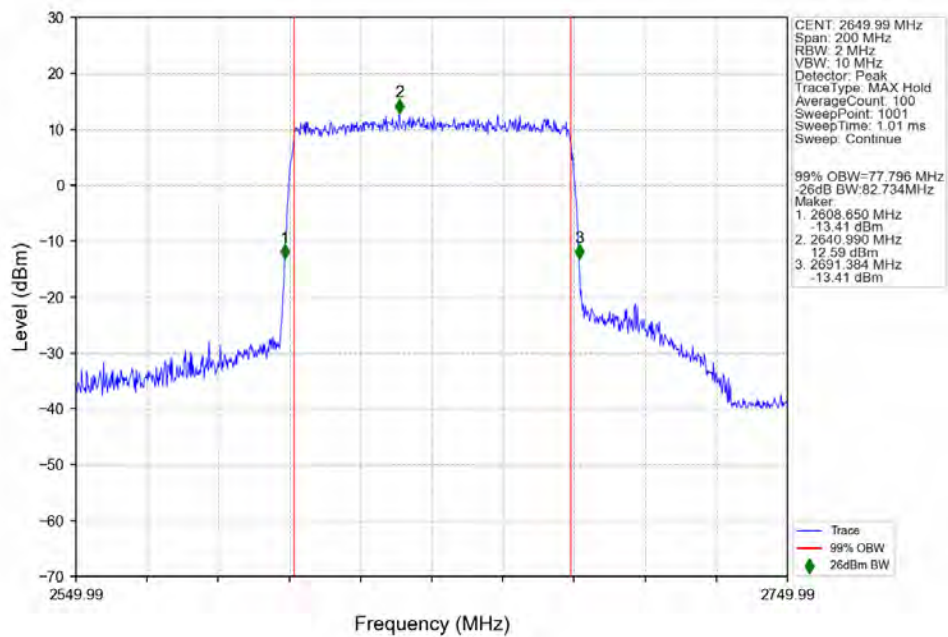
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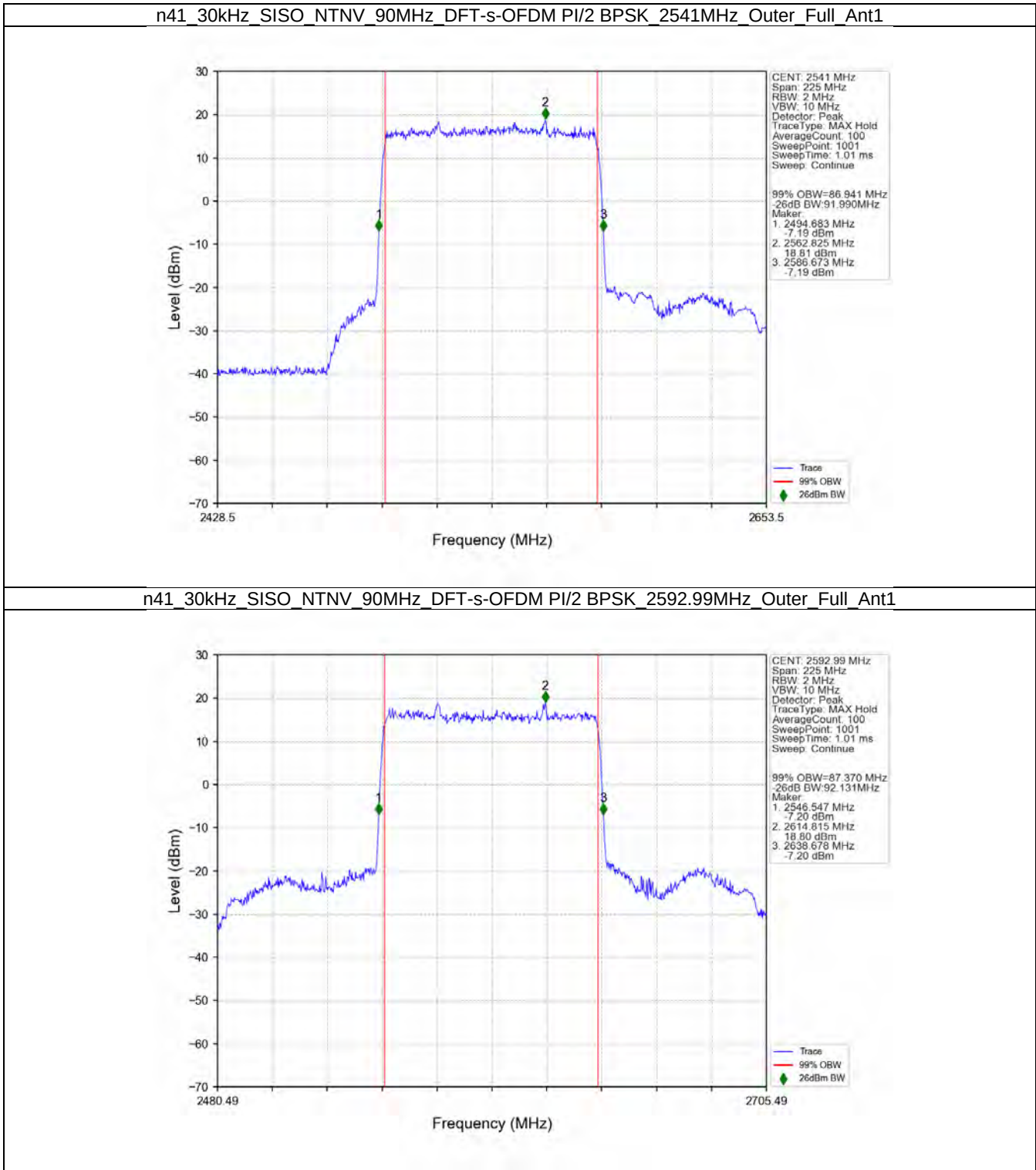
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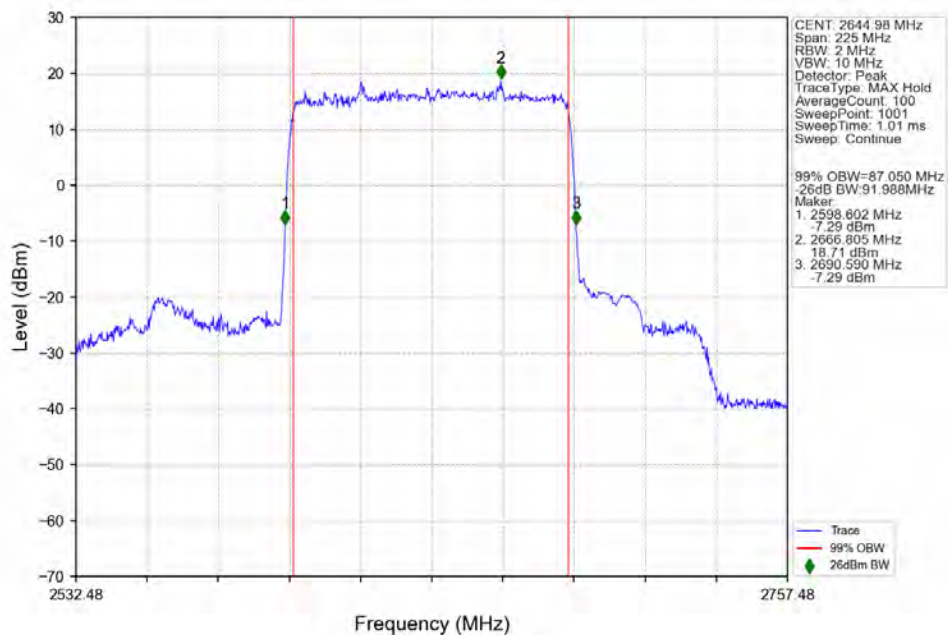
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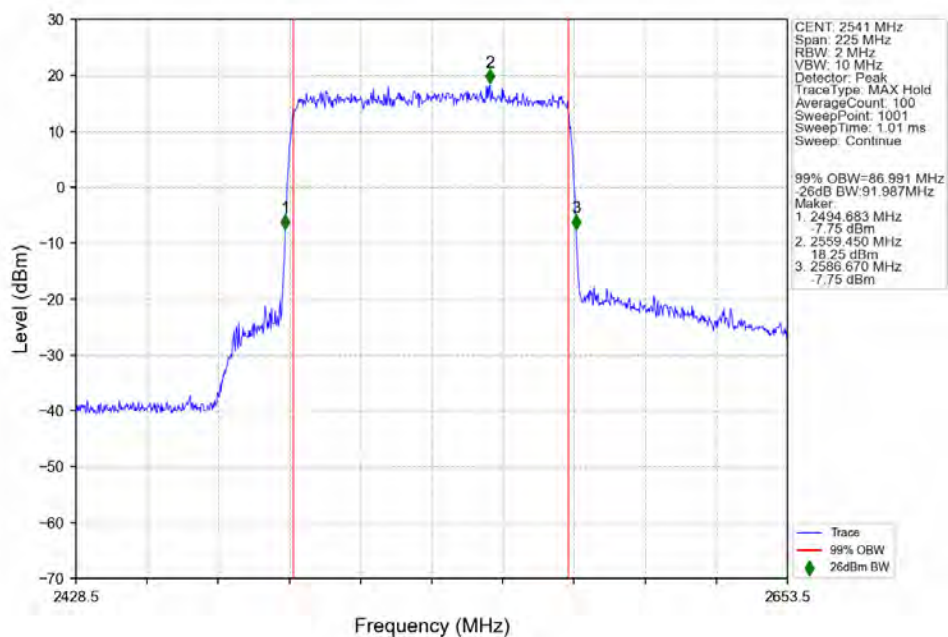
3.2.9 30k_SISO_90MHz_NTNV



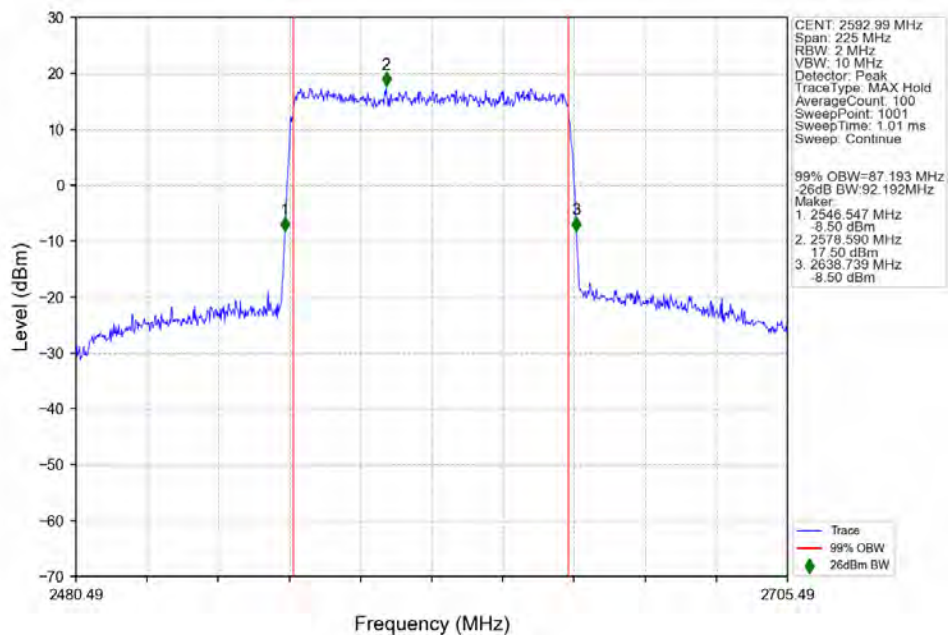
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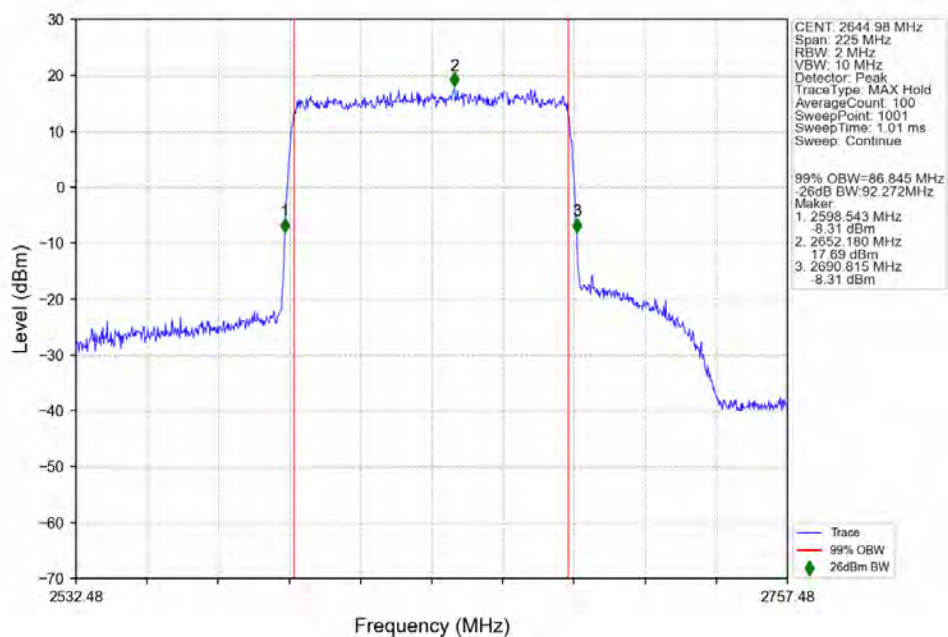
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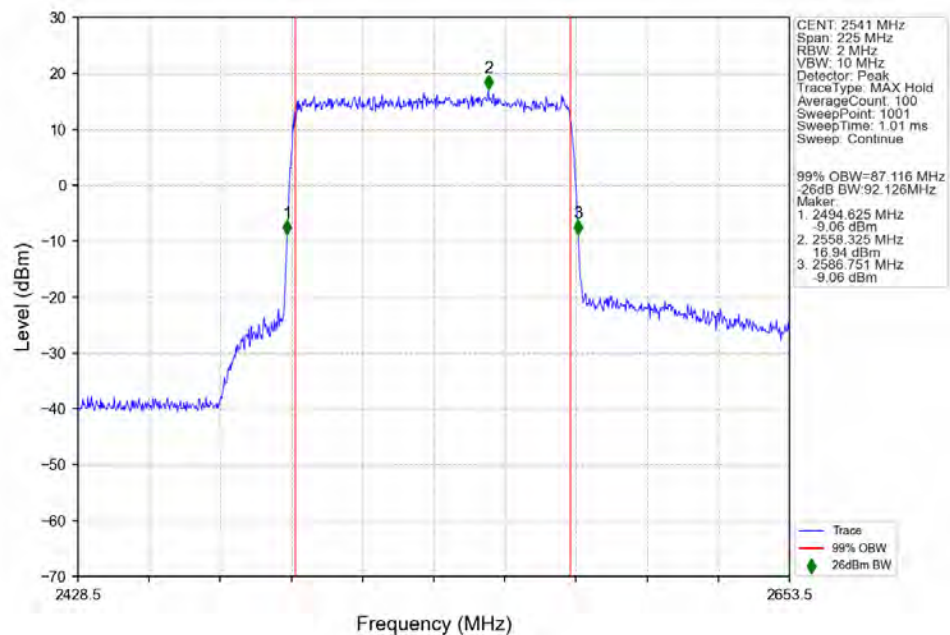
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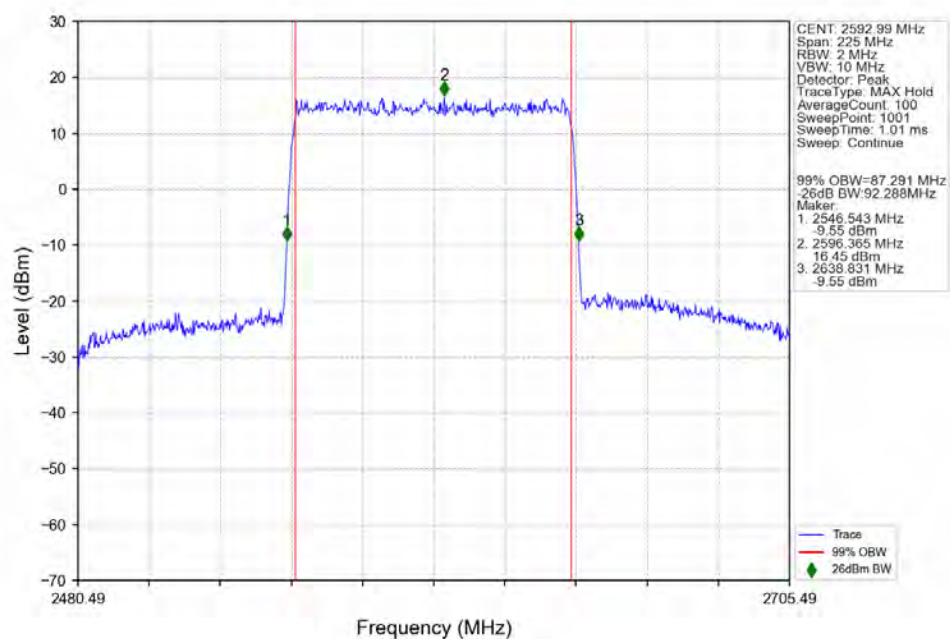
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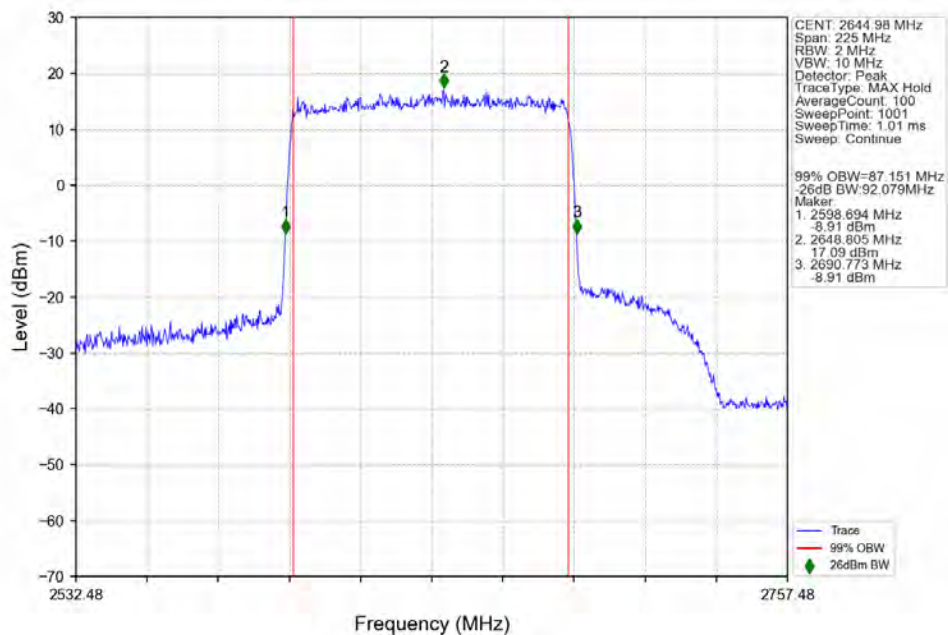
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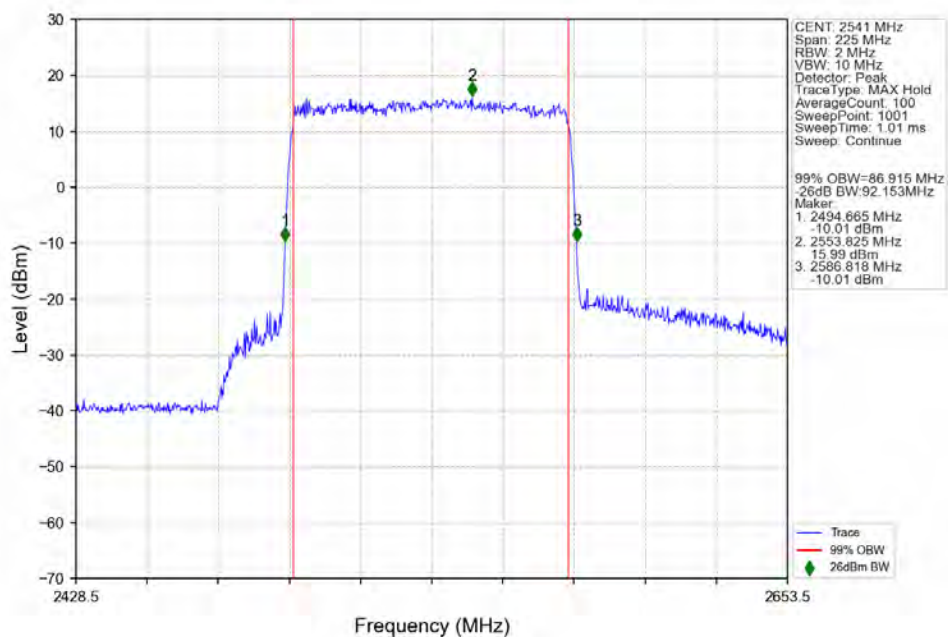
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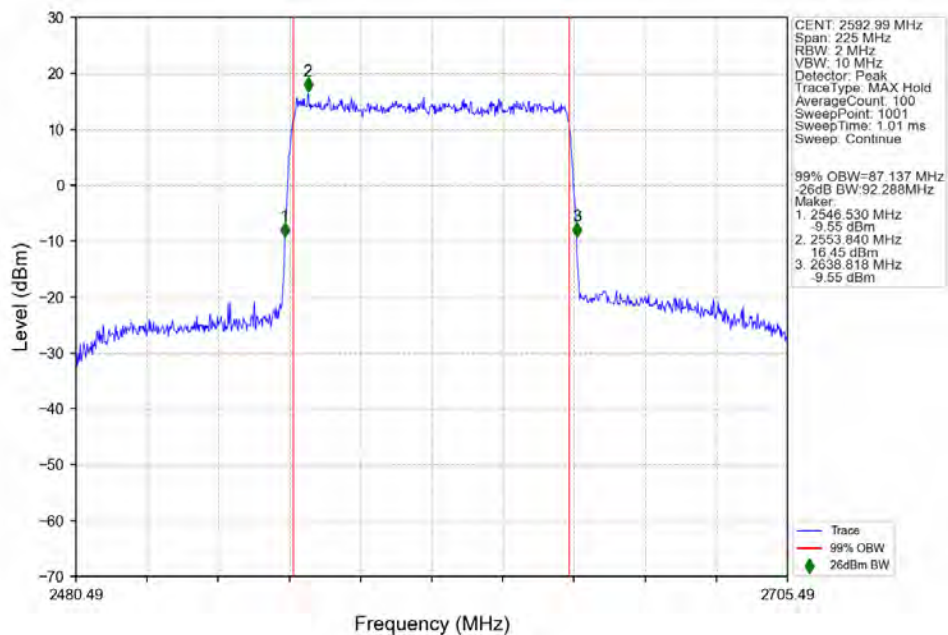
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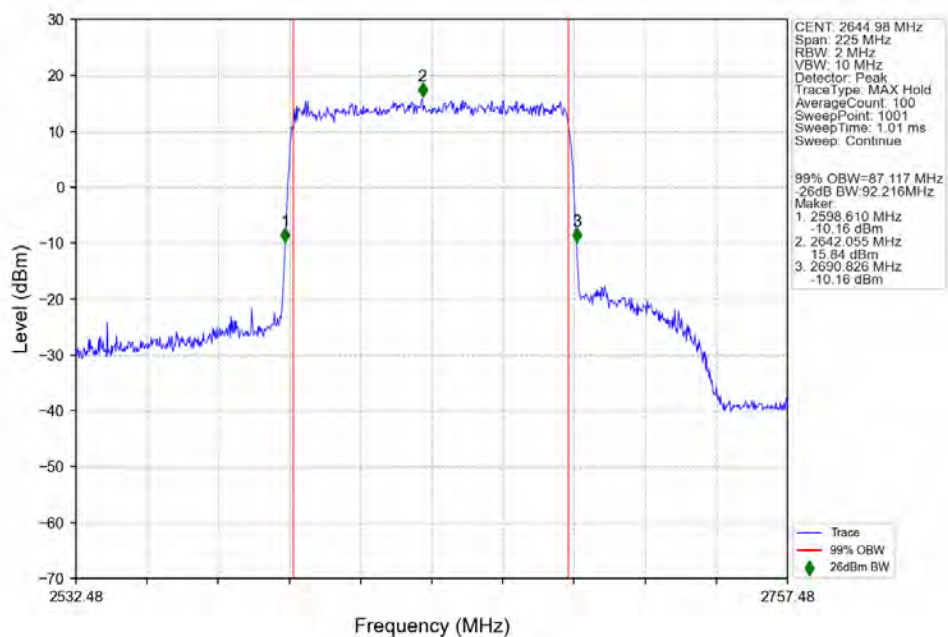
n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_64_QAM_2541MHz_Outer_Full_Ant1



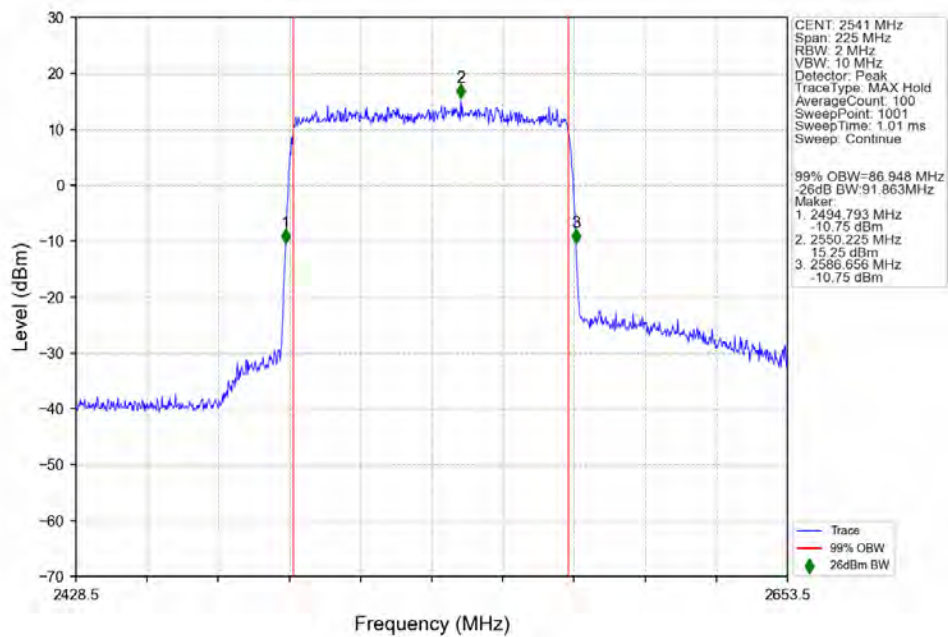
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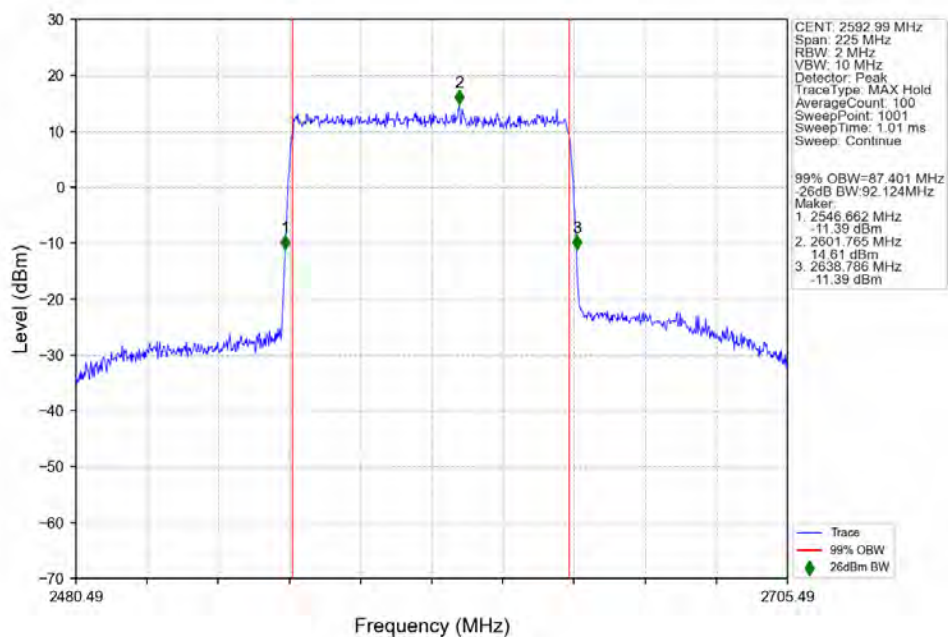
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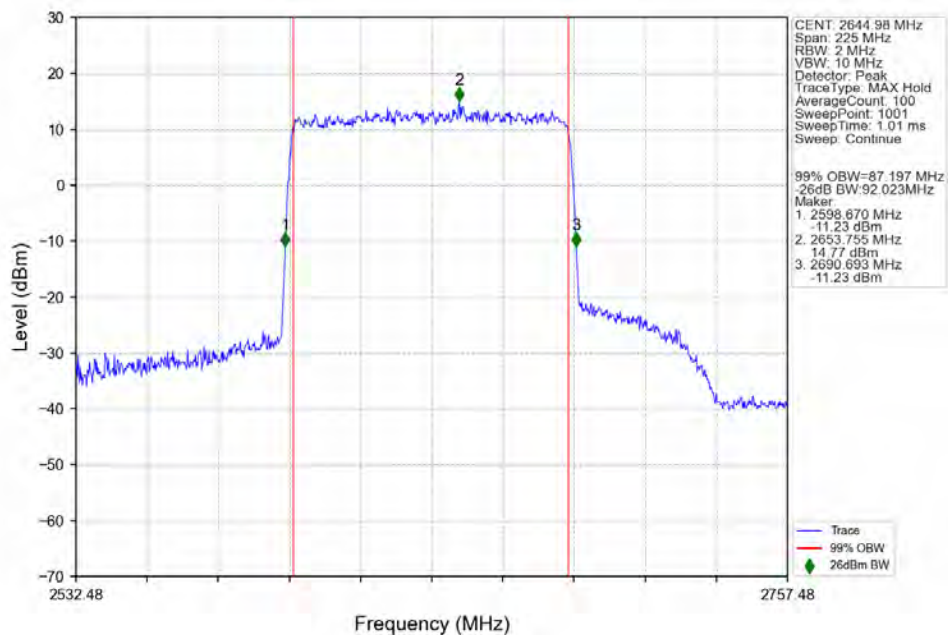
n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_2541MHz_Outer_Full_Ant1



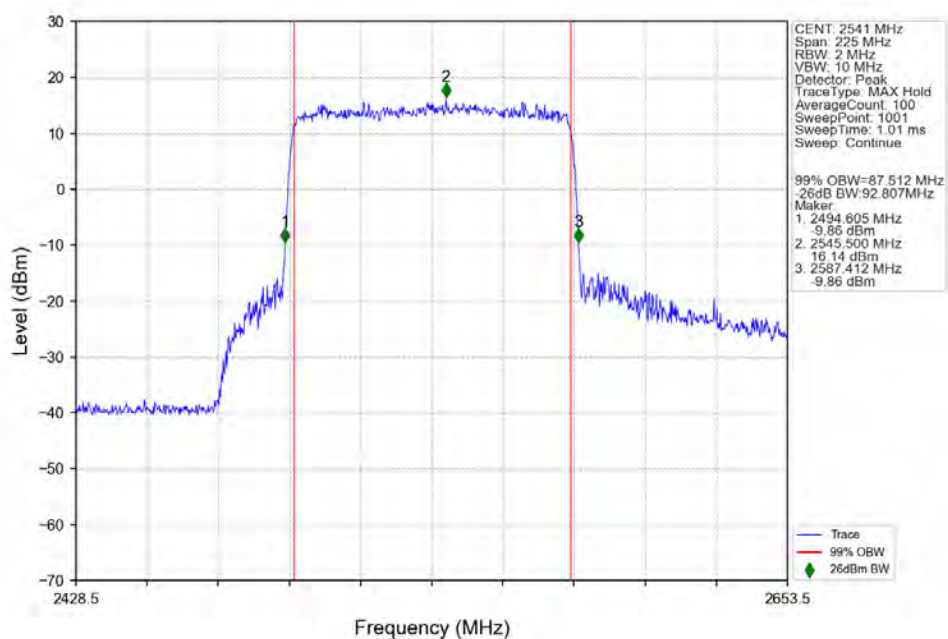
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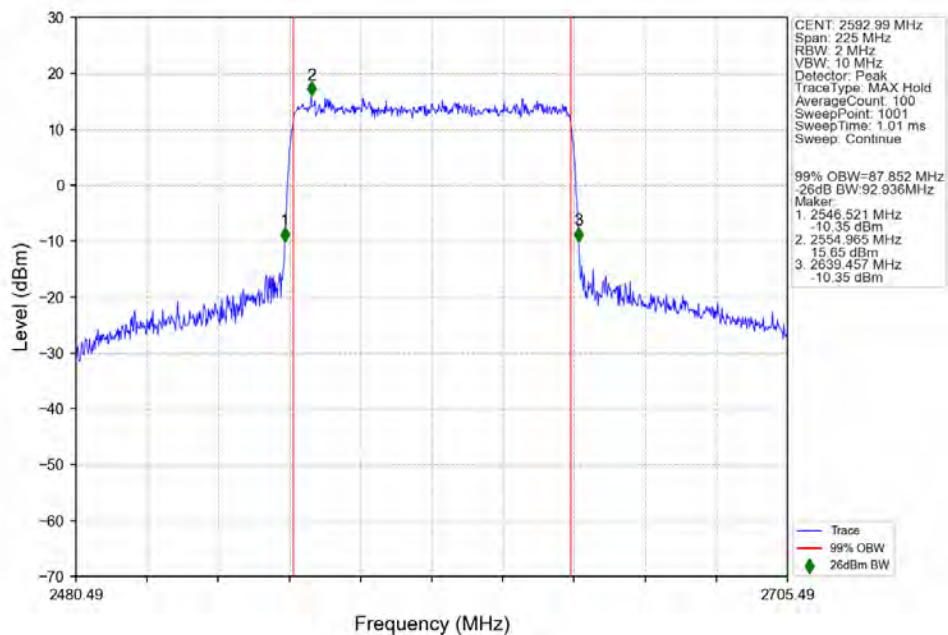
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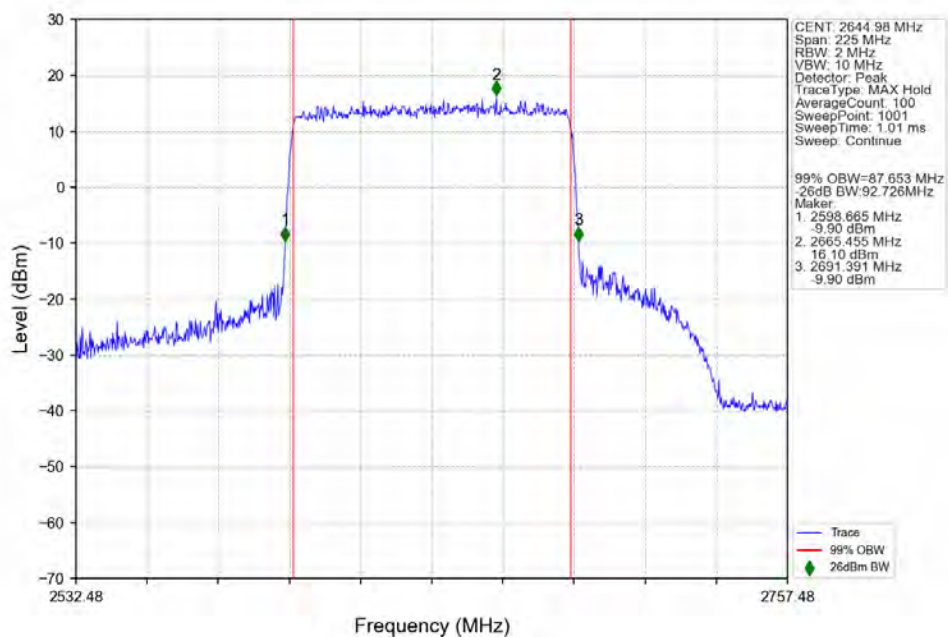
n41_30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_2541MHz_Outer_Full_Ant1



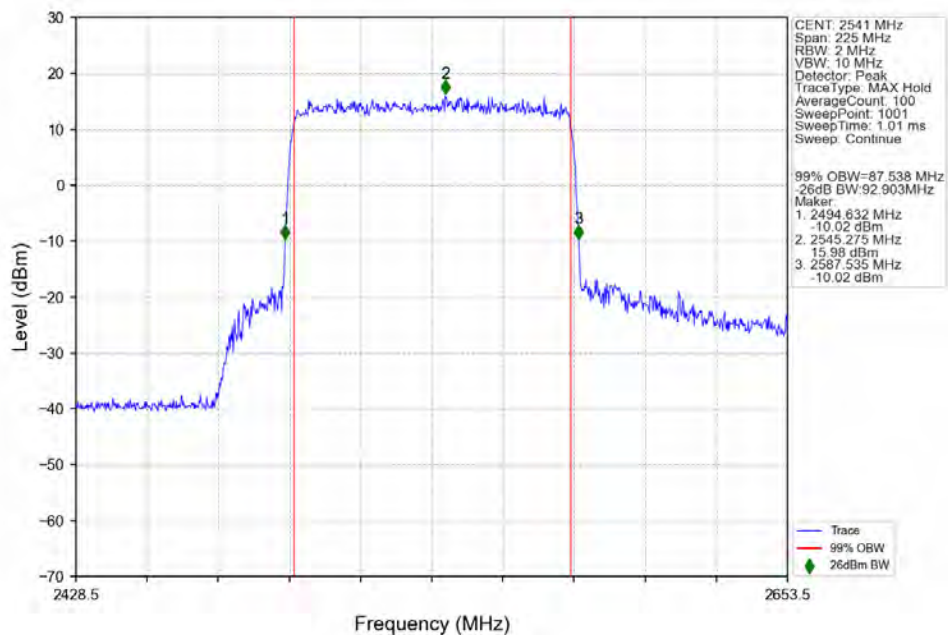
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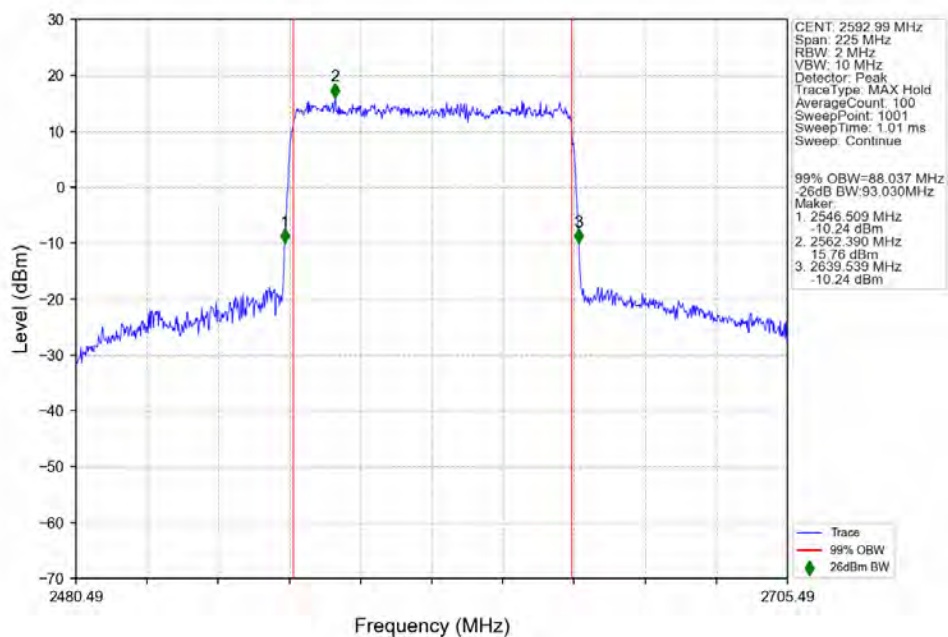
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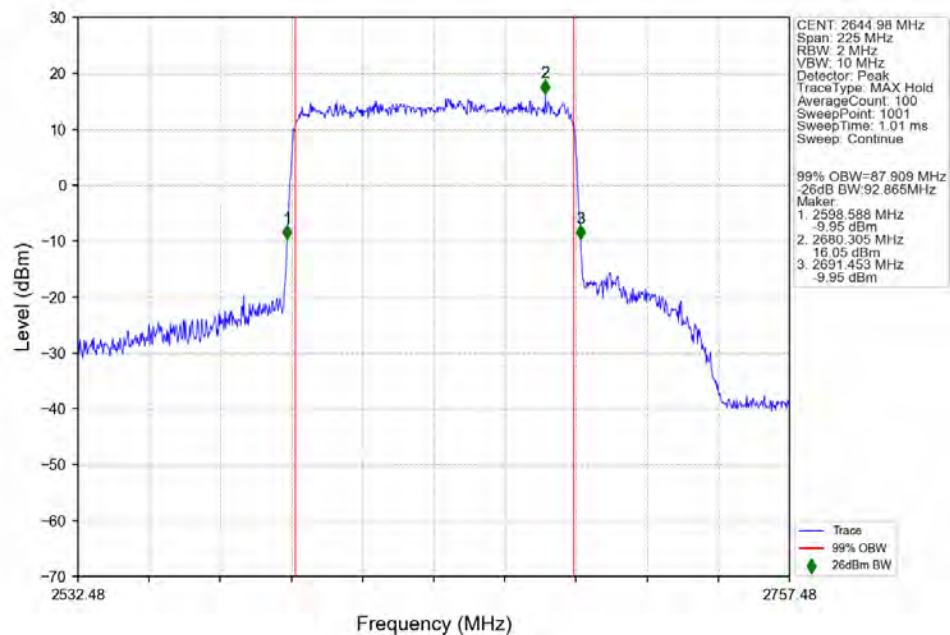
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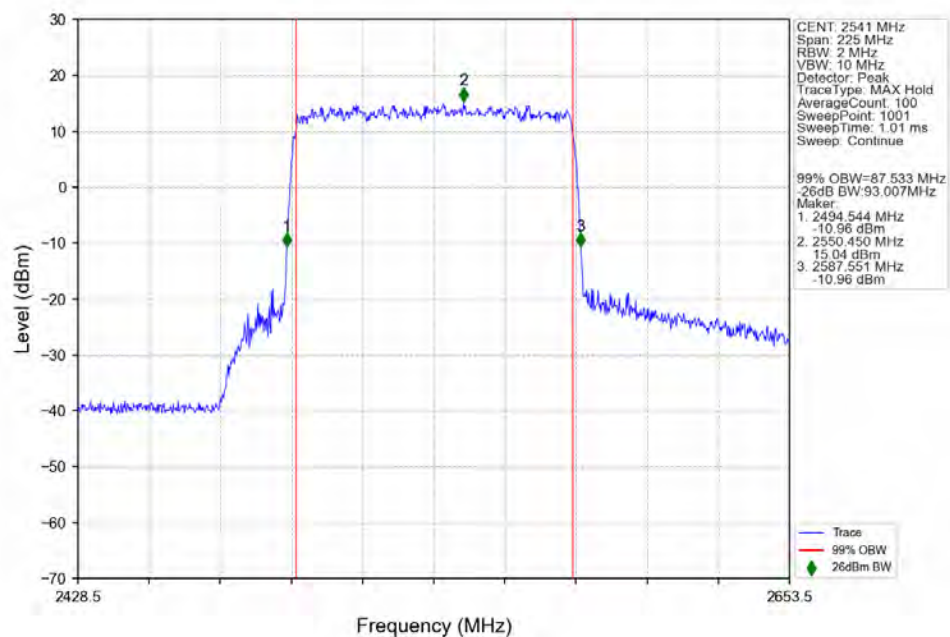
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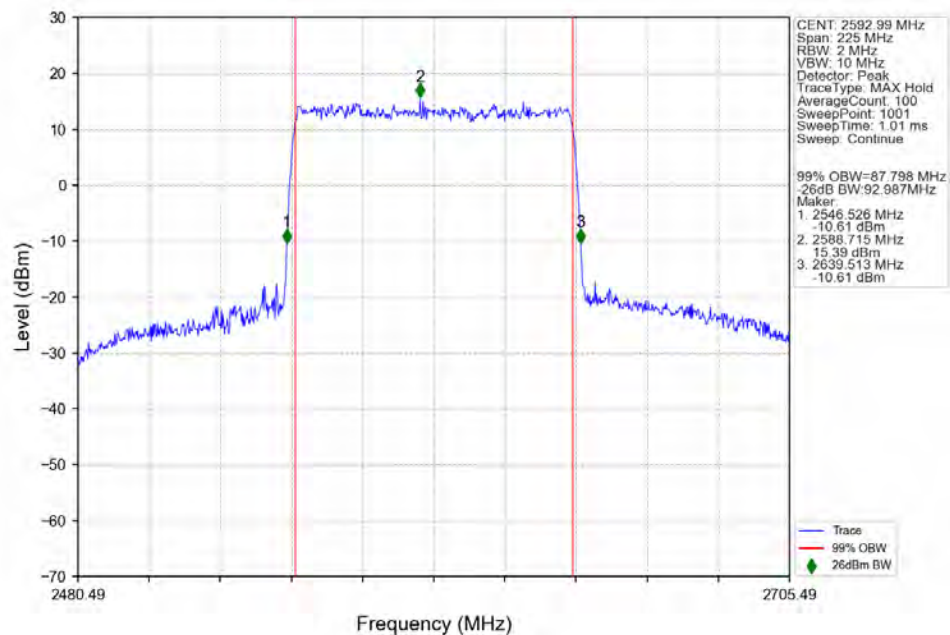
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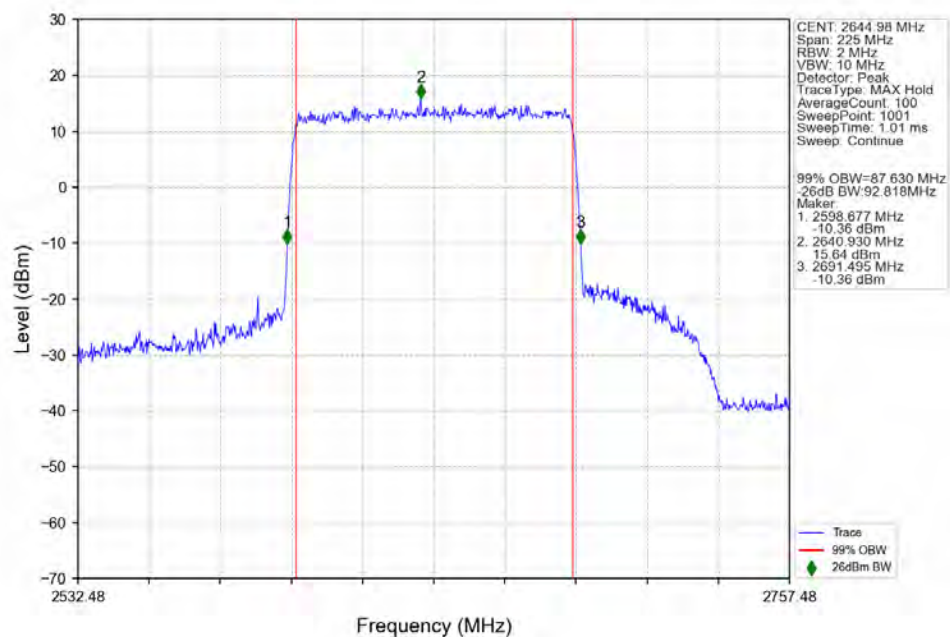
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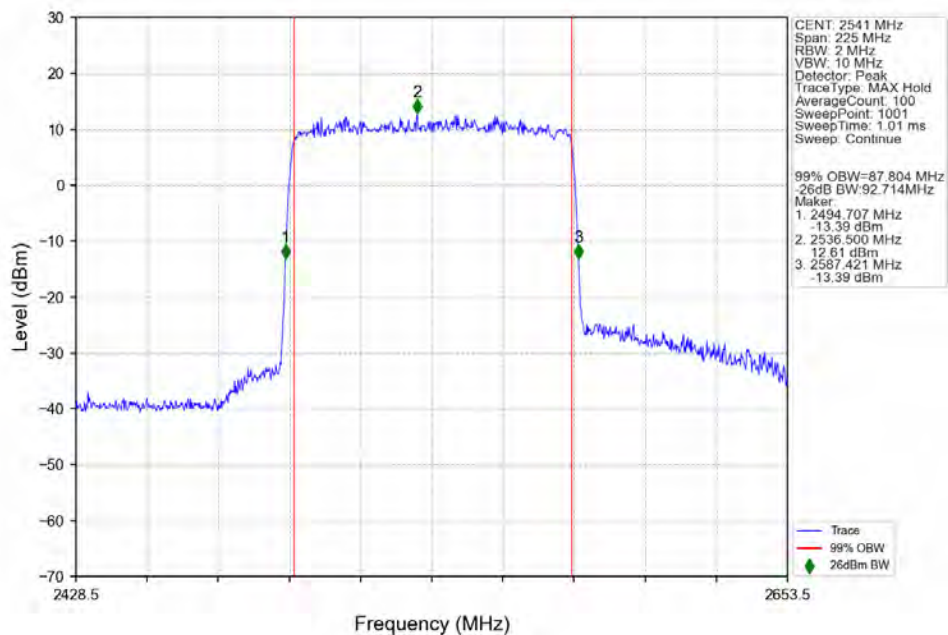
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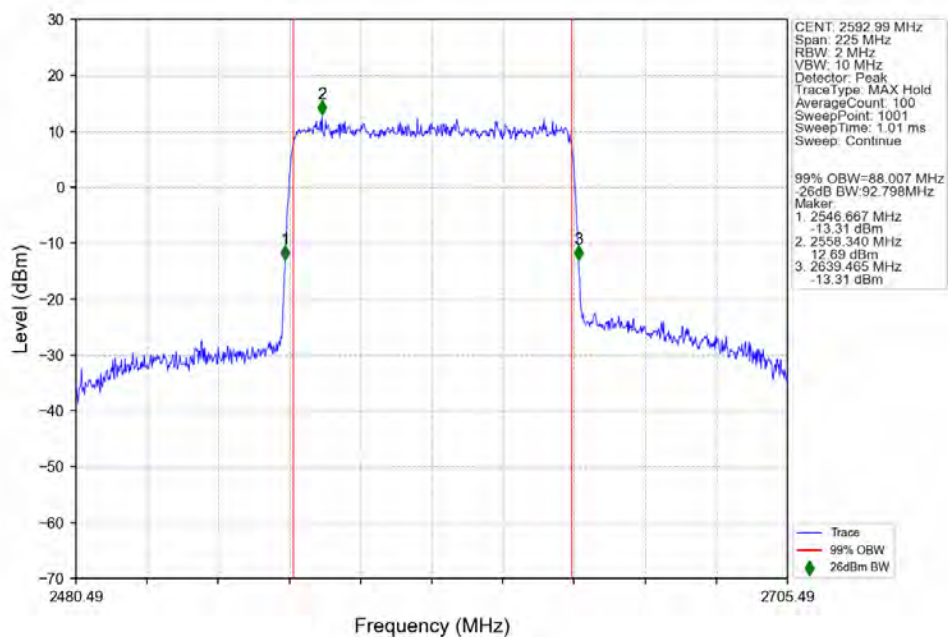
n41_30kHz_SISO_NTNV_90MHz_CP-OFDM_64_QAM_2644.98MHz_Outer_Full_Ant1



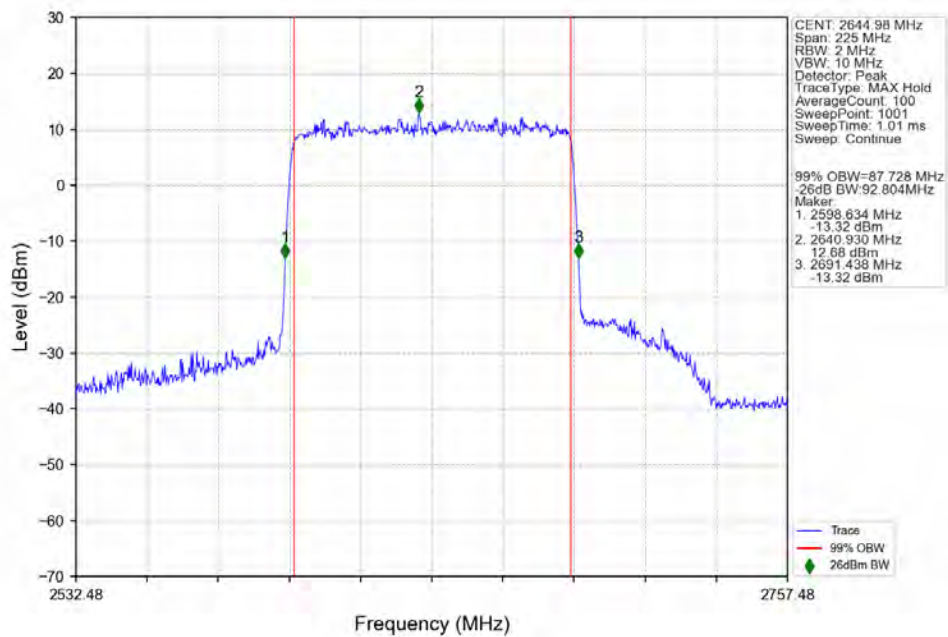
n41_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_2541MHz_Outer_Full_Ant1



n41_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full_Ant1

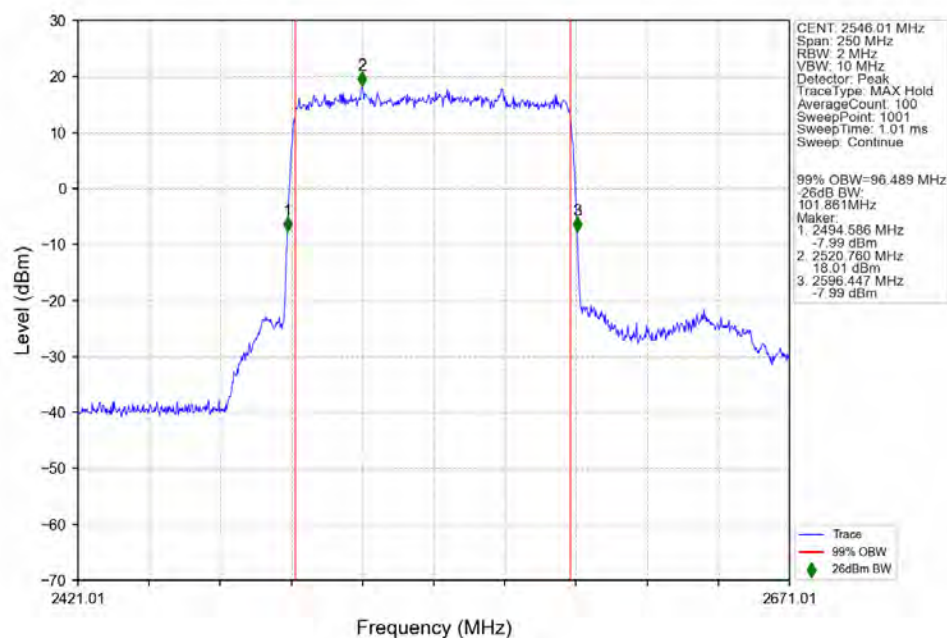


n41_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_2644.98MHz_Outer_Full_Ant1

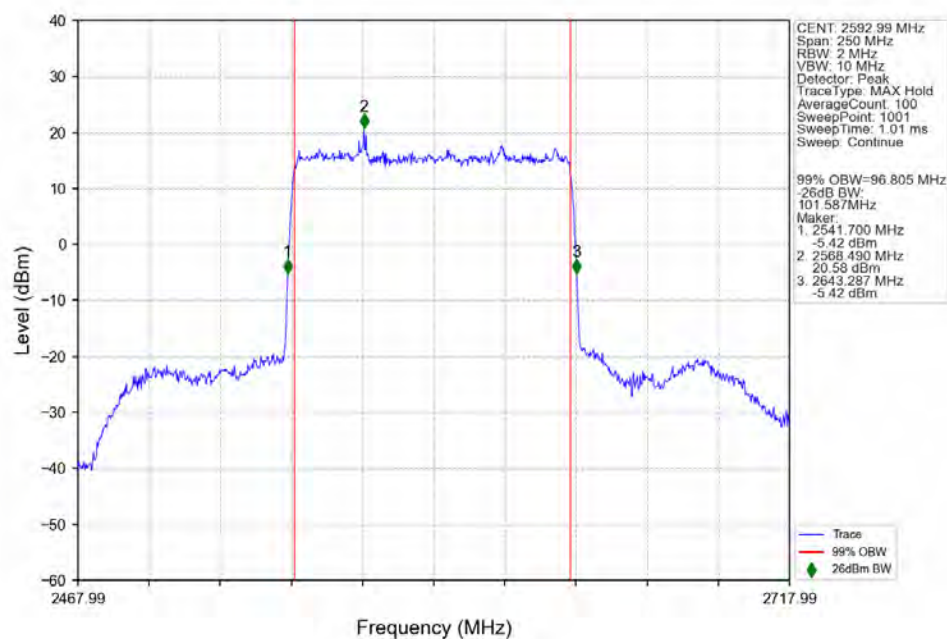


3.2.10 30k_SISO_100MHz_NTNV

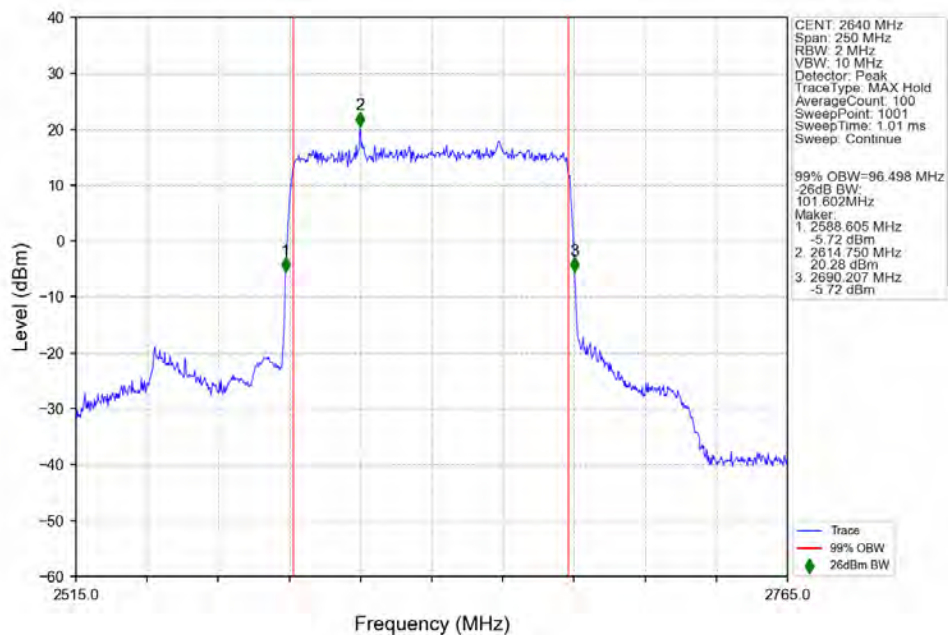
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_2546.01MHz_Outer_Full_Ant1



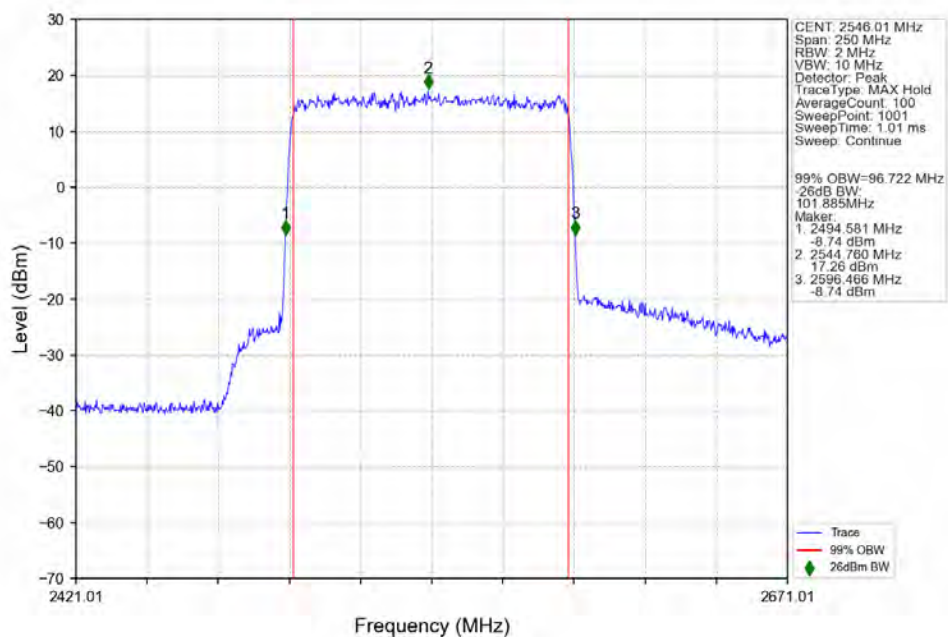
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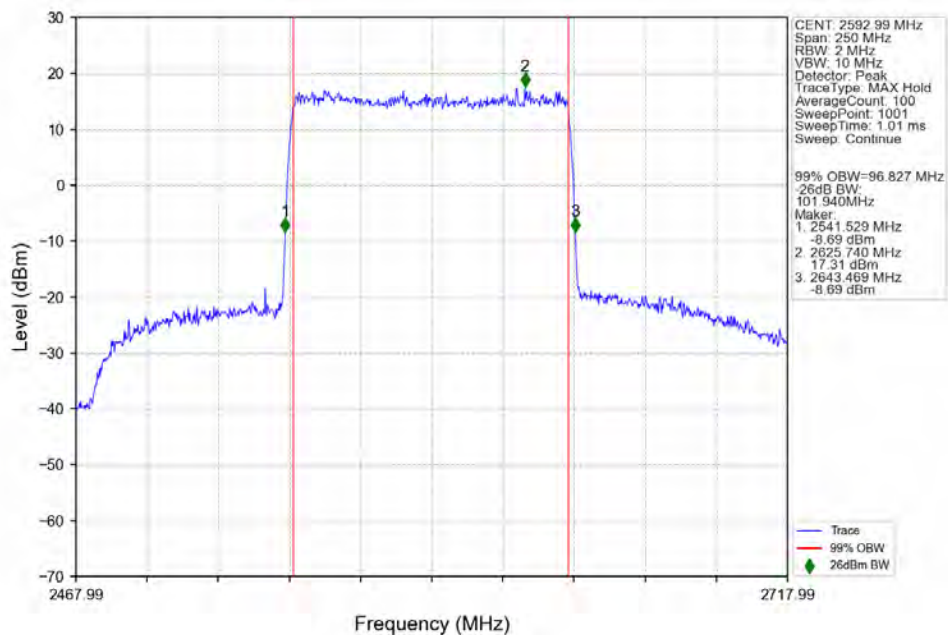
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_PI/2_BPSK_2640MHz_Outer_Full_Ant1



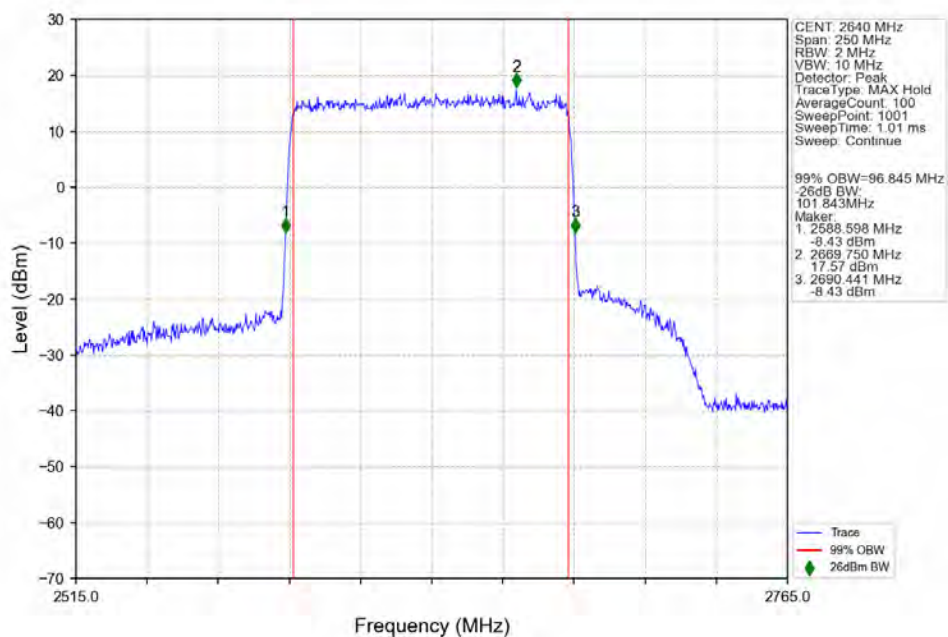
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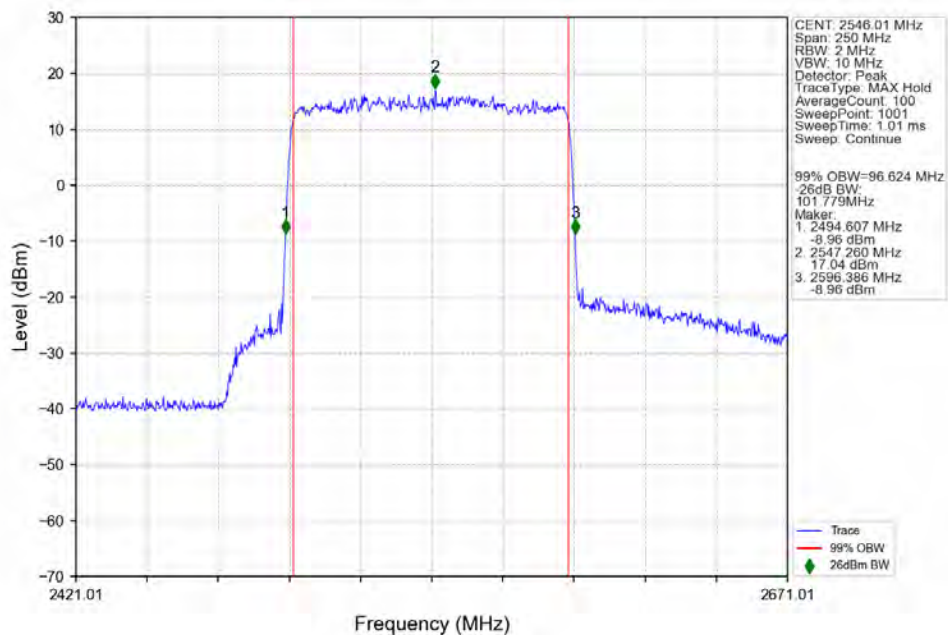
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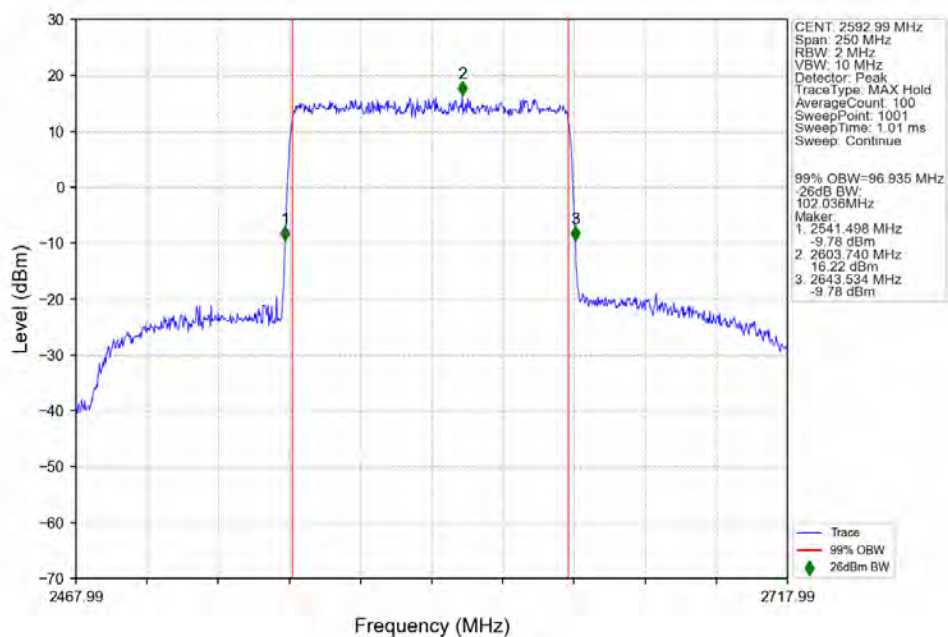
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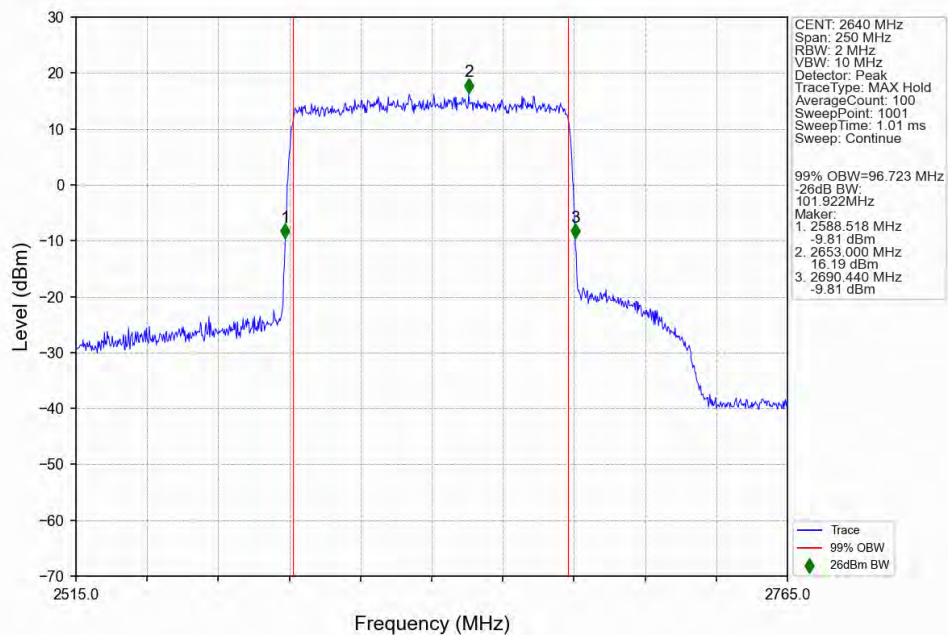
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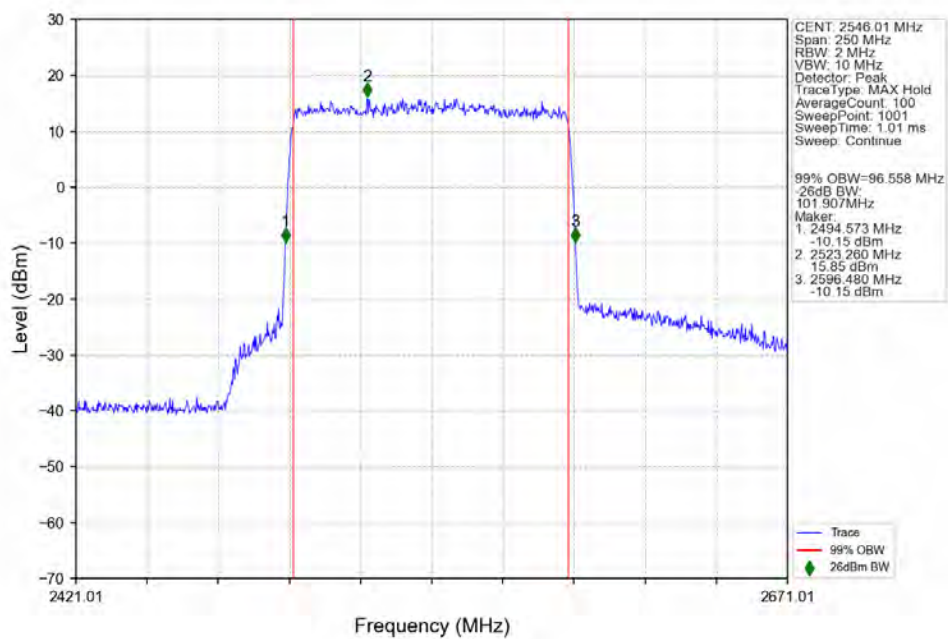
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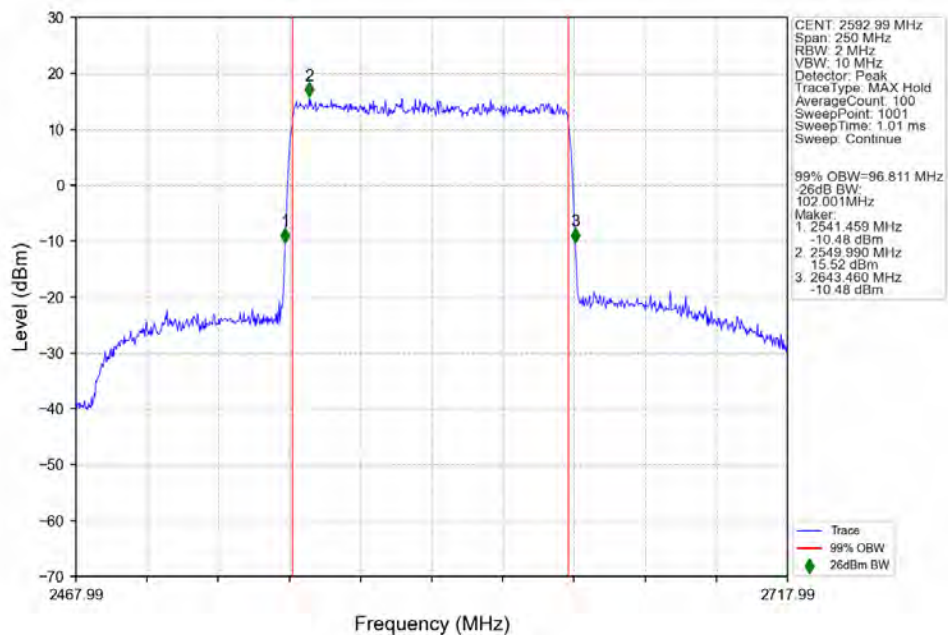
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_2640MHz_Outer_Full_Ant1



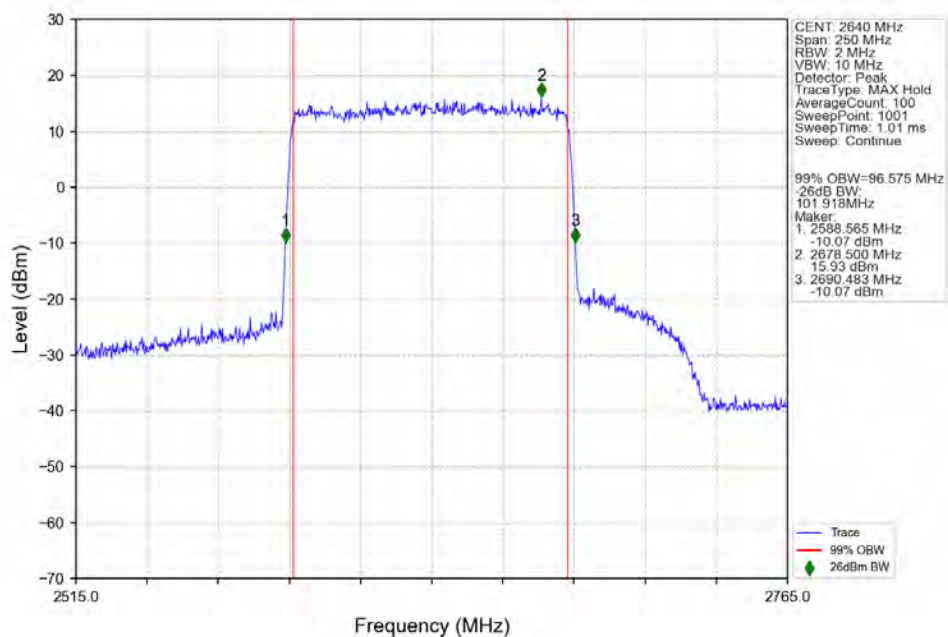
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_2546.01MHz_Outer_Full_Ant1



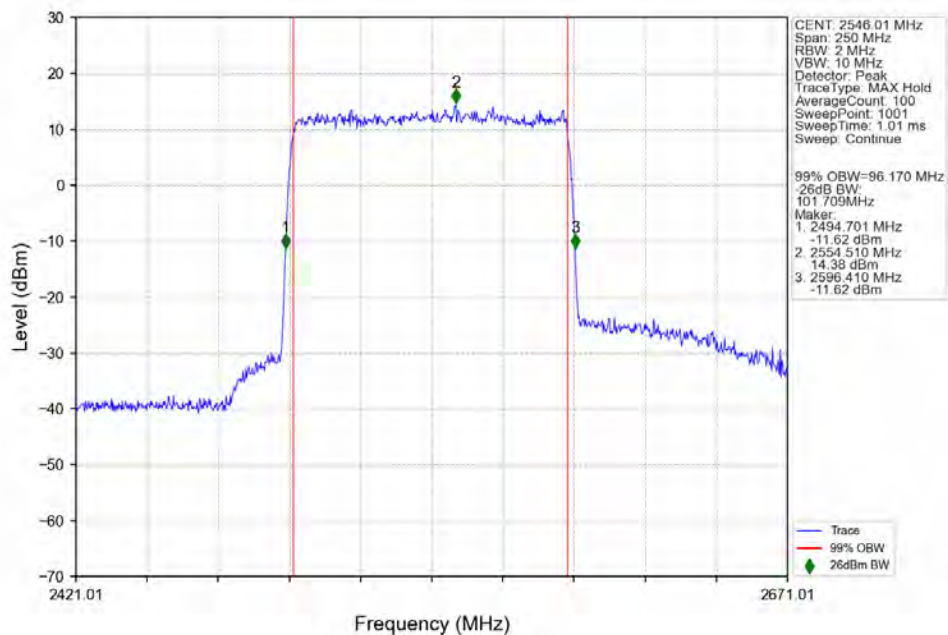
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_2592.99MHz_Outer_Full_Ant1



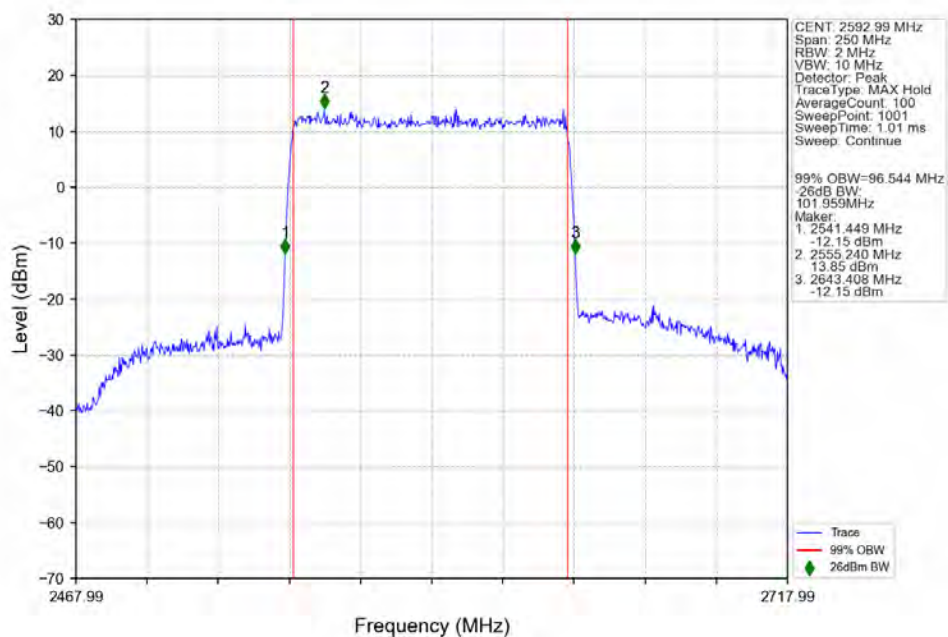
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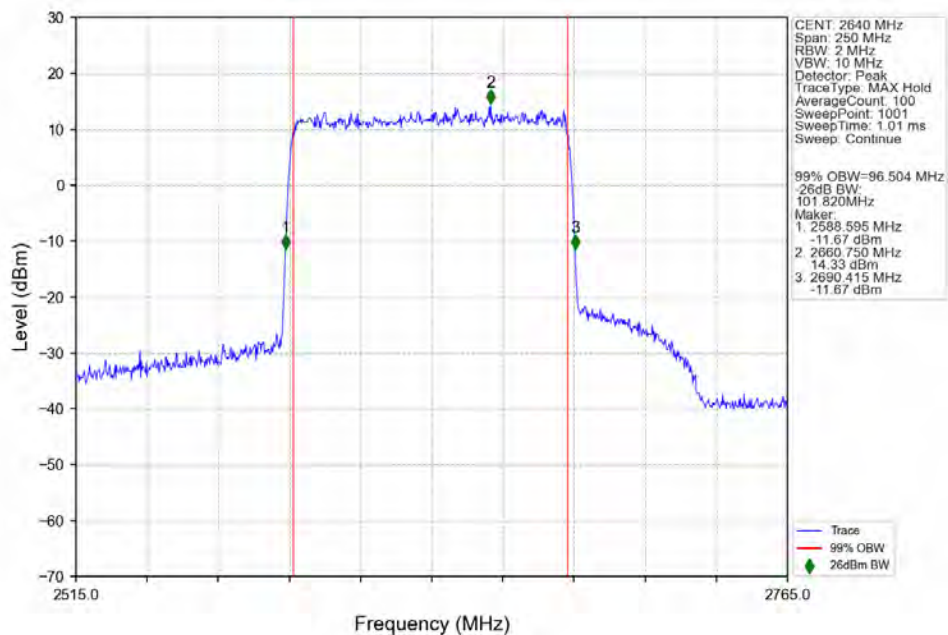
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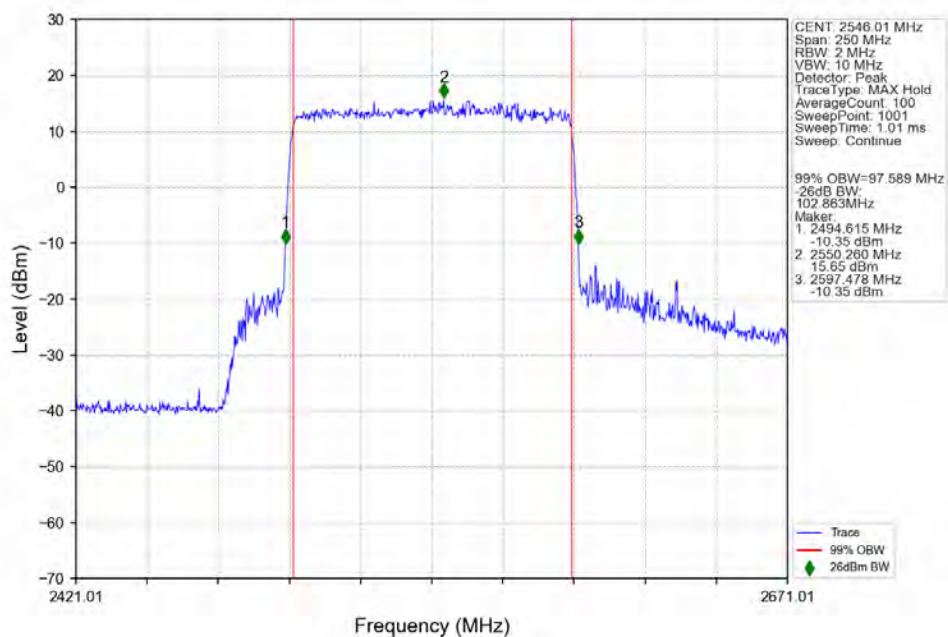
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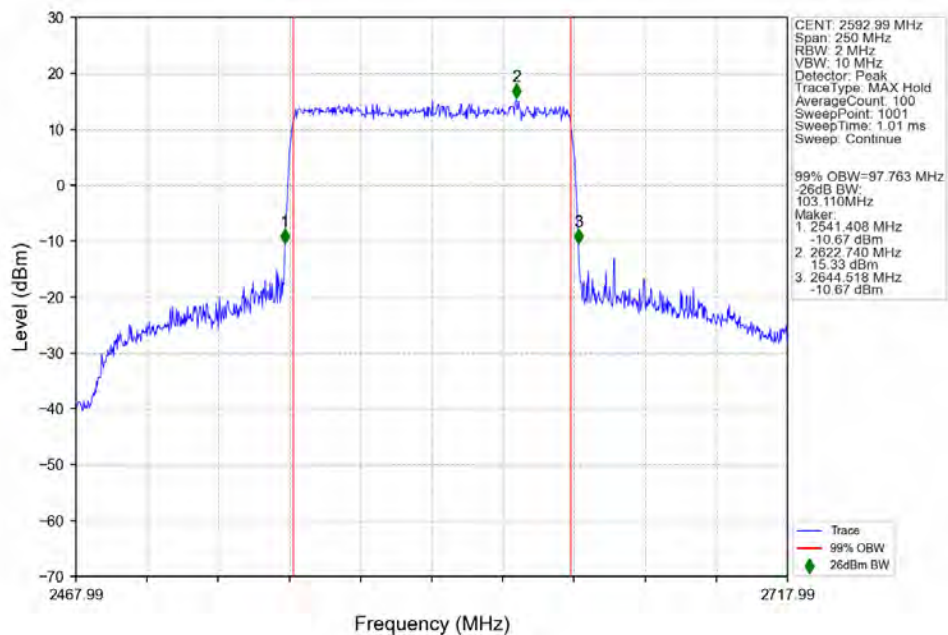
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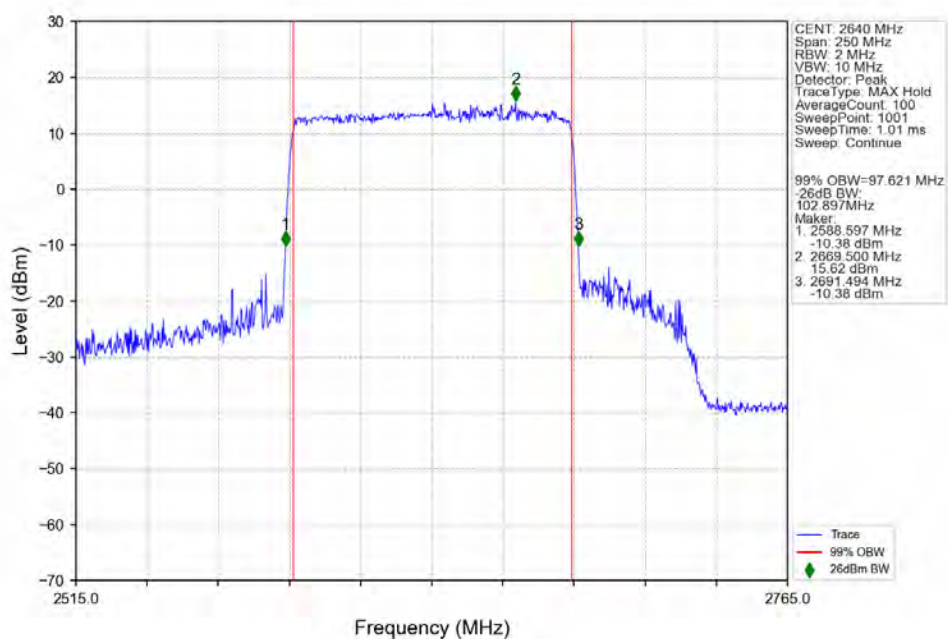
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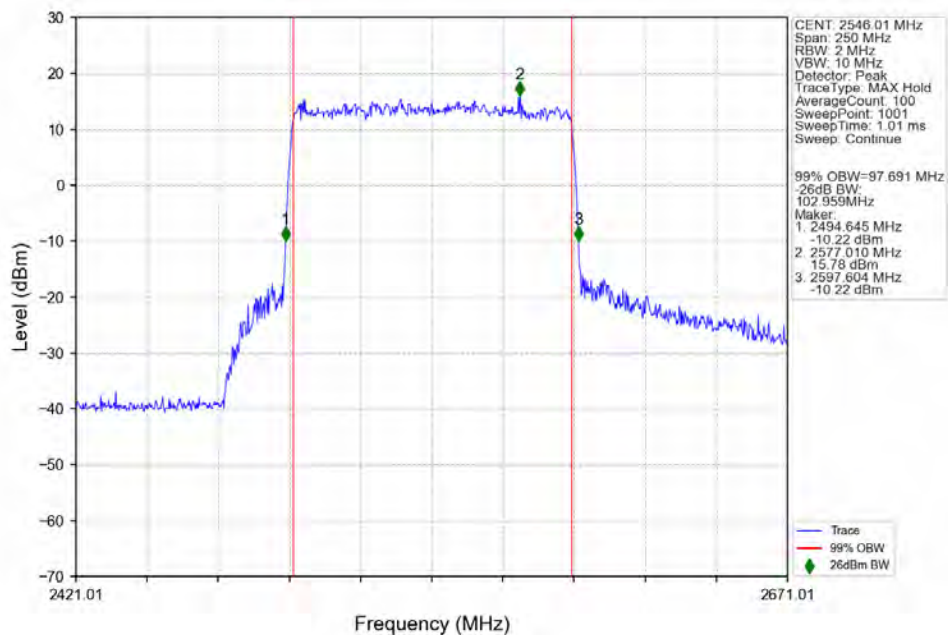
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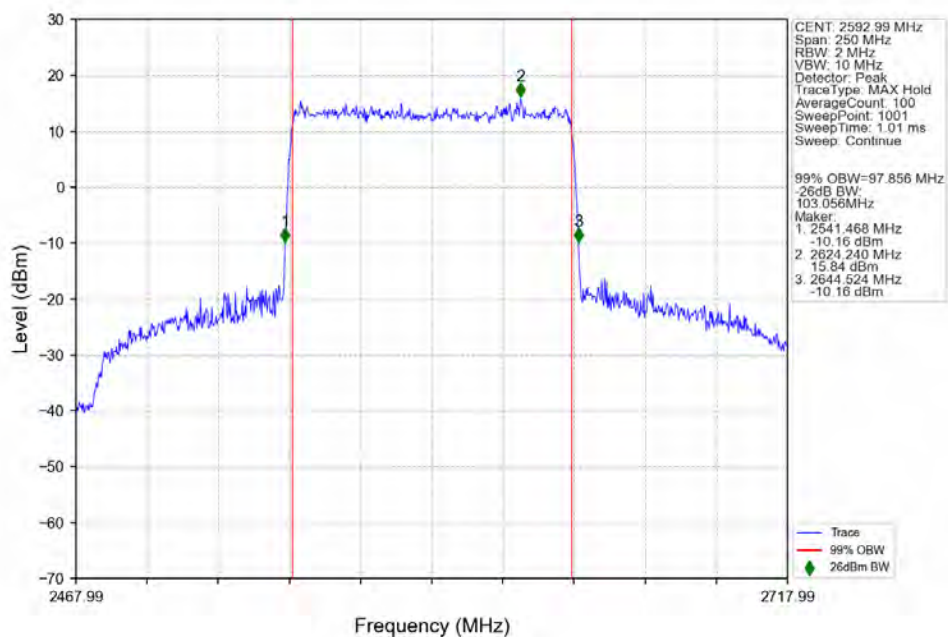
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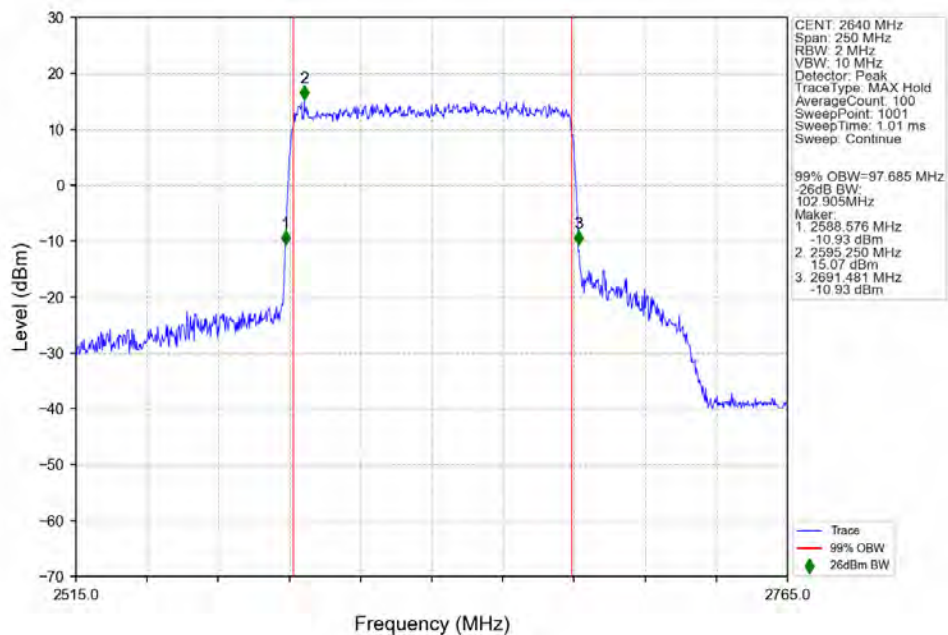
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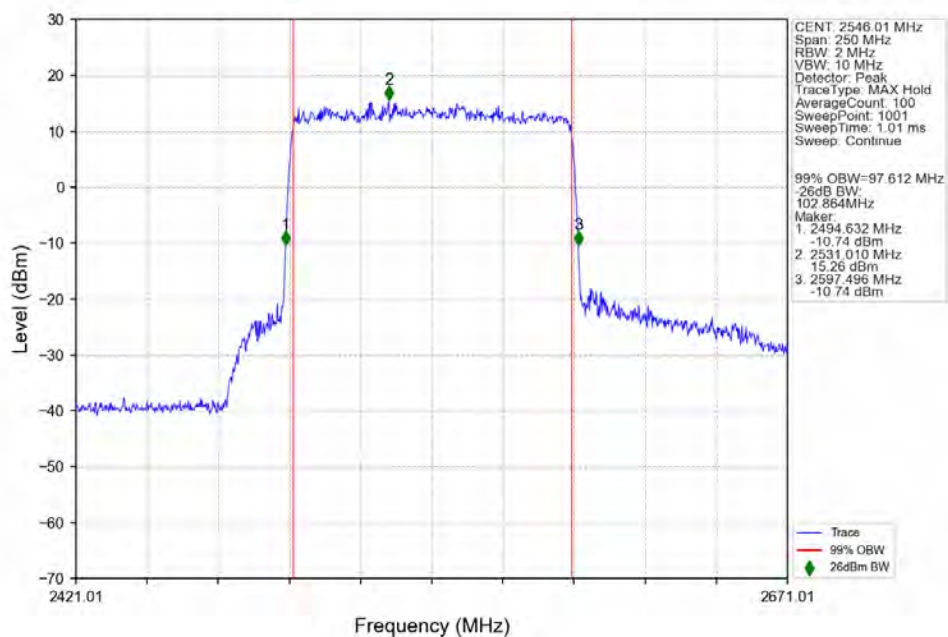
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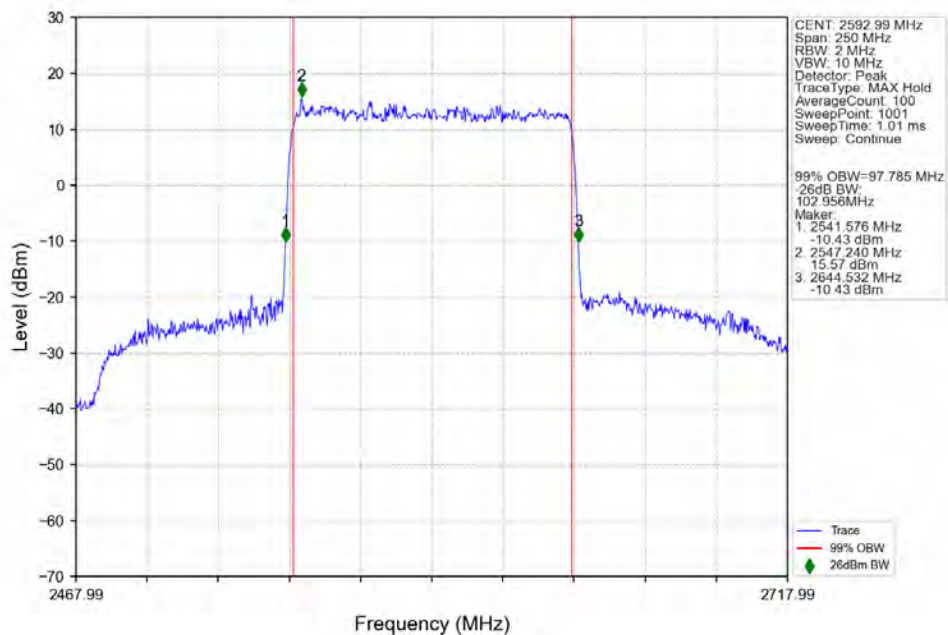
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_16_QAM_2640MHz_Outer_Full_Ant1



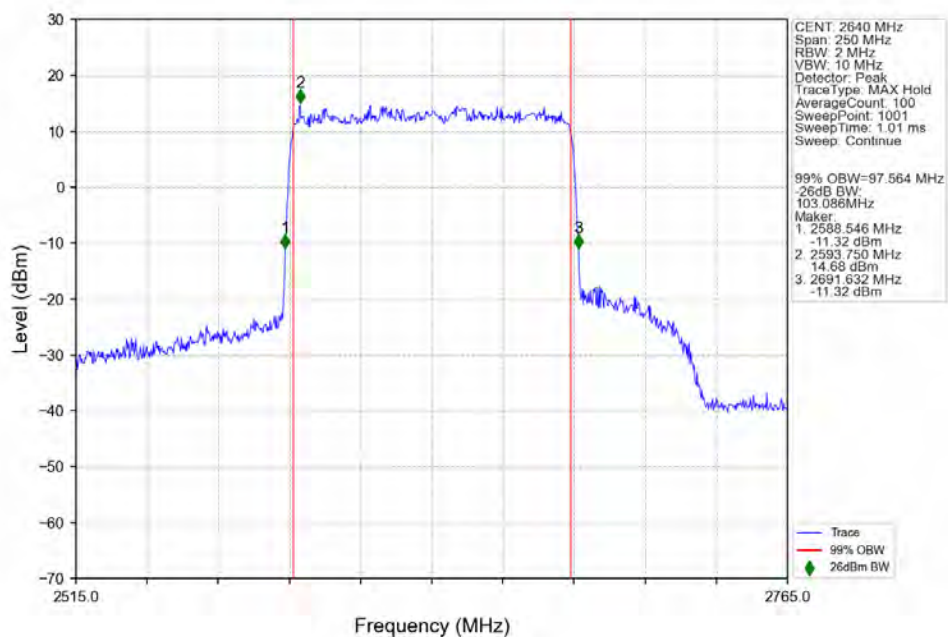
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_64_QAM_2546.01MHz_Outer_Full_Ant1



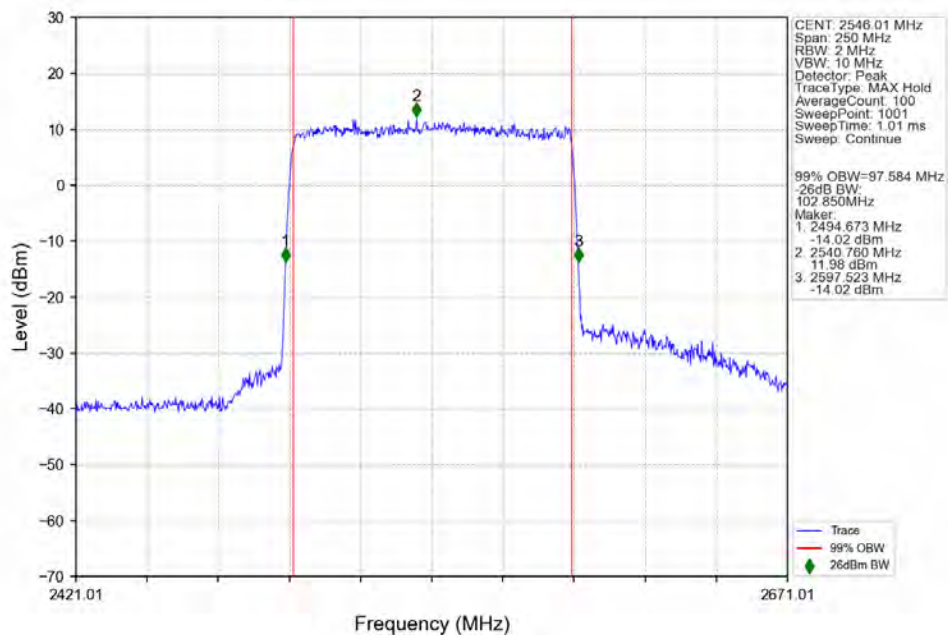
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_64_QAM_2592.99MHz_Outer_Full_Ant1



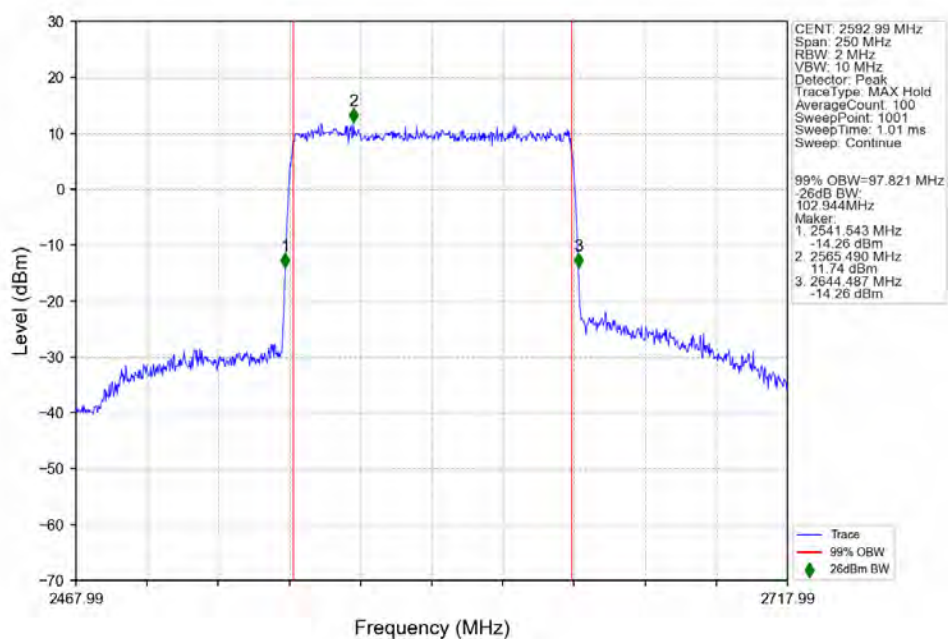
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_64_QAM_2640MHz_Outer_Full_Ant1



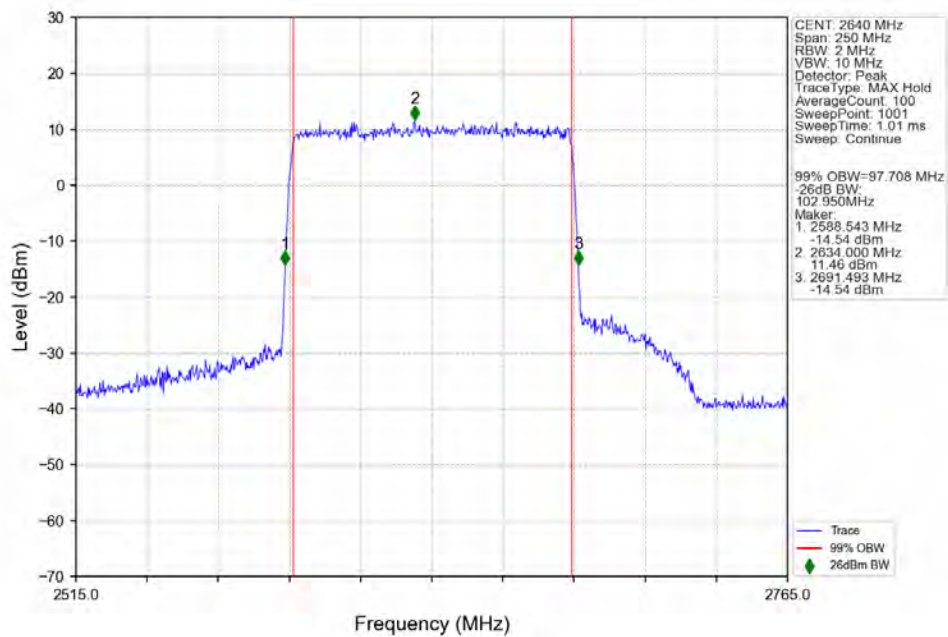
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_2546.01MHz_Outer_Full_Ant1



n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full_Ant1



n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_2640MHz_Outer_Full_Ant1



4. Peak-Average Ratio

4.1 Test Result

4.1.1 30k_SISO_10MHz_NTNV

5G NR n41 SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2501.01	Outer Full	4.50	/	/	<=13	Pass
	2592.99	Outer Full	4.74	/	/	<=13	Pass
	2685	Outer Full	4.72	/	/	<=13	Pass
DFT-s-OFDM QPSK	2501.01	Outer Full	5.74	/	/	<=13	Pass
	2592.99	Outer Full	5.82	/	/	<=13	Pass
	2685	Outer Full	5.86	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2501.01	Outer Full	6.50	/	/	<=13	Pass
	2592.99	Outer Full	6.58	/	/	<=13	Pass
	2685	Outer Full	6.64	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2501.01	Outer Full	6.62	/	/	<=13	Pass
	2592.99	Outer Full	6.74	/	/	<=13	Pass
	2685	Outer Full	6.86	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2501.01	Outer Full	7.00	/	/	<=13	Pass
	2592.99	Outer Full	7.12	/	/	<=13	Pass
	2685	Outer Full	7.20	/	/	<=13	Pass
CP-OFDM QPSK	2501.01	Outer Full	8.08	/	/	<=13	Pass
	2592.99	Outer Full	8.34	/	/	<=13	Pass
	2685	Outer Full	8.30	/	/	<=13	Pass
CP-OFDM 16 QAM	2501.01	Outer Full	8.32	/	/	<=13	Pass
	2592.99	Outer Full	8.54	/	/	<=13	Pass
	2685	Outer Full	8.62	/	/	<=13	Pass
CP-OFDM 64 QAM	2501.01	Outer Full	8.30	/	/	<=13	Pass
	2592.99	Outer Full	8.52	/	/	<=13	Pass
	2685	Outer Full	8.56	/	/	<=13	Pass
CP-OFDM 256 QAM	2501.01	Outer Full	8.54	/	/	<=13	Pass
	2592.99	Outer Full	8.88	/	/	<=13	Pass
	2685	Outer Full	9.06	/	/	<=13	Pass

4.1.2 30k_SISO_15MHz_NTNV

5G NR n41 SCS=30kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2503.5	Outer Full	4.48	/	/	<=13	Pass
	2592.99	Outer Full	4.66	/	/	<=13	Pass
	2682.48	Outer Full	4.70	/	/	<=13	Pass
DFT-s-OFDM QPSK	2503.5	Outer Full	3.00	/	/	<=13	Pass
	2592.99	Outer Full	5.94	/	/	<=13	Pass
	2682.48	Outer Full	3.04	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2503.5	Outer Full	3.20	/	/	<=13	Pass
	2592.99	Outer Full	6.68	/	/	<=13	Pass
	2682.48	Outer Full	6.62	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2503.5	Outer Full	6.62	/	/	<=13	Pass
	2592.99	Outer Full	6.90	/	/	<=13	Pass
	2682.48	Outer Full	6.90	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	2503.5	Outer_Full	6.98	/	/	<=13	Pass
	2592.99	Outer_Full	7.24	/	/	<=13	Pass
	2682.48	Outer_Full	7.20	/	/	<=13	Pass
CP-OFDM QPSK	2503.5	Outer_Full	8.30	/	/	<=13	Pass
	2592.99	Outer_Full	8.52	/	/	<=13	Pass
	2682.48	Outer_Full	8.48	/	/	<=13	Pass
CP-OFDM 16 QAM	2503.5	Outer_Full	8.28	/	/	<=13	Pass
	2592.99	Outer_Full	8.50	/	/	<=13	Pass
	2682.48	Outer_Full	8.38	/	/	<=13	Pass
CP-OFDM 64 QAM	2503.5	Outer_Full	8.34	/	/	<=13	Pass
	2592.99	Outer_Full	8.48	/	/	<=13	Pass
	2682.48	Outer_Full	8.36	/	/	<=13	Pass
CP-OFDM 256 QAM	2503.5	Outer_Full	8.68	/	/	<=13	Pass
	2592.99	Outer_Full	8.94	/	/	<=13	Pass
	2682.48	Outer_Full	8.82	/	/	<=13	Pass

4.1.3 30k_SISO_20MHz_NTNV

5G NR n41 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2506.02	Outer_Full	4.60	/	/	<=13	Pass
	2592.99	Outer_Full	4.72	/	/	<=13	Pass
	2679.99	Outer_Full	4.68	/	/	<=13	Pass
DFT-s-OFDM QPSK	2506.02	Outer_Full	5.62	/	/	<=13	Pass
	2592.99	Outer_Full	5.88	/	/	<=13	Pass
	2679.99	Outer_Full	3.42	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2506.02	Outer_Full	6.40	/	/	<=13	Pass
	2592.99	Outer_Full	6.48	/	/	<=13	Pass
	2679.99	Outer_Full	3.72	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2506.02	Outer_Full	6.60	/	/	<=13	Pass
	2592.99	Outer_Full	6.78	/	/	<=13	Pass
	2679.99	Outer_Full	3.78	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2506.02	Outer_Full	6.86	/	/	<=13	Pass
	2592.99	Outer_Full	7.04	/	/	<=13	Pass
	2679.99	Outer_Full	3.94	/	/	<=13	Pass
CP-OFDM QPSK	2506.02	Outer_Full	8.44	/	/	<=13	Pass
	2592.99	Outer_Full	8.64	/	/	<=13	Pass
	2679.99	Outer_Full	4.24	/	/	<=13	Pass
CP-OFDM 16 QAM	2506.02	Outer_Full	8.40	/	/	<=13	Pass
	2592.99	Outer_Full	8.44	/	/	<=13	Pass
	2679.99	Outer_Full	4.22	/	/	<=13	Pass
CP-OFDM 64 QAM	2506.02	Outer_Full	8.44	/	/	<=13	Pass
	2592.99	Outer_Full	8.60	/	/	<=13	Pass
	2679.99	Outer_Full	4.30	/	/	<=13	Pass
CP-OFDM 256 QAM	2506.02	Outer_Full	8.62	/	/	<=13	Pass
	2592.99	Outer_Full	8.80	/	/	<=13	Pass
	2679.99	Outer_Full	4.78	/	/	<=13	Pass

4.1.4 30k_SISO_30MHz_NTNV

5G NR n41 SCS=30kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2511	Outer_Full	3.32	/	/	<=13	Pass
	2592.99	Outer_Full	3.40	/	/	<=13	Pass

	2674.98	Outer Full	3.46	/	/	<=13	Pass
DFT-s-OFDM QPSK	2511	Outer Full	3.82	/	/	<=13	Pass
	2592.99	Outer Full	3.90	/	/	<=13	Pass
	2674.98	Outer Full	12.98	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2511	Outer Full	12.68	/	/	<=13	Pass
	2592.99	Outer Full	3.88	/	/	<=13	Pass
	2674.98	Outer Full	13.00	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2511	Outer Full	3.86	/	/	<=13	Pass
	2592.99	Outer Full	3.90	/	/	<=13	Pass
	2674.98	Outer Full	3.92	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2511	Outer Full	3.98	/	/	<=13	Pass
	2592.99	Outer Full	3.96	/	/	<=13	Pass
	2674.98	Outer Full	3.98	/	/	<=13	Pass
CP-OFDM QPSK	2511	Outer Full	4.30	/	/	<=13	Pass
	2592.99	Outer Full	4.26	/	/	<=13	Pass
	2674.98	Outer Full	4.28	/	/	<=13	Pass
CP-OFDM 16 QAM	2511	Outer Full	4.30	/	/	<=13	Pass
	2592.99	Outer Full	4.26	/	/	<=13	Pass
	2674.98	Outer Full	4.30	/	/	<=13	Pass
CP-OFDM 64 QAM	2511	Outer Full	4.36	/	/	<=13	Pass
	2592.99	Outer Full	4.32	/	/	<=13	Pass
	2674.98	Outer Full	4.34	/	/	<=13	Pass
CP-OFDM 256 QAM	2511	Outer Full	4.86	/	/	<=13	Pass
	2592.99	Outer Full	4.70	/	/	<=13	Pass
	2674.98	Outer Full	4.74	/	/	<=13	Pass

4.1.5 30k_SISO_40MHz_NTNV

5G NR n41 SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2516.01	Outer Full	3.28	/	/	<=13	Pass
	2592.99	Outer Full	3.34	/	/	<=13	Pass
	2670	Outer Full	3.34	/	/	<=13	Pass
DFT-s-OFDM QPSK	2516.01	Outer Full	4.00	/	/	<=13	Pass
	2592.99	Outer Full	4.06	/	/	<=13	Pass
	2670	Outer Full	12.88	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2516.01	Outer Full	4.34	/	/	<=13	Pass
	2592.99	Outer Full	4.36	/	/	<=13	Pass
	2670	Outer Full	12.90	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2516.01	Outer Full	4.36	/	/	<=13	Pass
	2592.99	Outer Full	4.36	/	/	<=13	Pass
	2670	Outer Full	4.40	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2516.01	Outer Full	4.52	/	/	<=13	Pass
	2592.99	Outer Full	4.48	/	/	<=13	Pass
	2670	Outer Full	4.50	/	/	<=13	Pass
CP-OFDM QPSK	2516.01	Outer Full	4.92	/	/	<=13	Pass
	2592.99	Outer Full	4.88	/	/	<=13	Pass
	2670	Outer Full	4.90	/	/	<=13	Pass
CP-OFDM 16 QAM	2516.01	Outer Full	4.92	/	/	<=13	Pass
	2592.99	Outer Full	4.86	/	/	<=13	Pass
	2670	Outer Full	4.88	/	/	<=13	Pass
CP-OFDM 64 QAM	2516.01	Outer Full	4.96	/	/	<=13	Pass
	2592.99	Outer Full	4.90	/	/	<=13	Pass
	2670	Outer Full	4.90	/	/	<=13	Pass
CP-OFDM 256 QAM	2516.01	Outer Full	5.50	/	/	<=13	Pass
	2592.99	Outer Full	5.36	/	/	<=13	Pass

	2670	Outer_Full	5.40	/	/	<=13	Pass
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4.1.6 30k_SISO_50MHz_NTNV

5G NR n41 SCS=30kHz SISO 50MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2521.02	Outer_Full	4.72	/	/	<=13	Pass
	2592.99	Outer_Full	4.76	/	/	<=13	Pass
	2664.99	Outer_Full	4.76	/	/	<=13	Pass
DFT-s-OFDM QPSK	2521.02	Outer_Full	5.08	/	/	<=13	Pass
	2592.99	Outer_Full	5.18	/	/	<=13	Pass
	2664.99	Outer_Full	5.24	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2521.02	Outer_Full	5.32	/	/	<=13	Pass
	2592.99	Outer_Full	5.38	/	/	<=13	Pass
	2664.99	Outer_Full	5.42	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2521.02	Outer_Full	5.32	/	/	<=13	Pass
	2592.99	Outer_Full	5.38	/	/	<=13	Pass
	2664.99	Outer_Full	5.40	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2521.02	Outer_Full	5.24	/	/	<=13	Pass
	2592.99	Outer_Full	5.28	/	/	<=13	Pass
	2664.99	Outer_Full	5.30	/	/	<=13	Pass
CP-OFDM QPSK	2521.02	Outer_Full	5.80	/	/	<=13	Pass
	2592.99	Outer_Full	5.82	/	/	<=13	Pass
	2664.99	Outer_Full	5.80	/	/	<=13	Pass
CP-OFDM 16 QAM	2521.02	Outer_Full	5.82	/	/	<=13	Pass
	2592.99	Outer_Full	5.82	/	/	<=13	Pass
	2664.99	Outer_Full	5.82	/	/	<=13	Pass
CP-OFDM 64 QAM	2521.02	Outer_Full	5.84	/	/	<=13	Pass
	2592.99	Outer_Full	5.84	/	/	<=13	Pass
	2664.99	Outer_Full	5.84	/	/	<=13	Pass
CP-OFDM 256 QAM	2521.02	Outer_Full	6.00	/	/	<=13	Pass
	2592.99	Outer_Full	5.96	/	/	<=13	Pass
	2664.99	Outer_Full	5.98	/	/	<=13	Pass

4.1.7 30k_SISO_60MHz_NTNV

5G NR n41 SCS=30kHz SISO 60MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2526	Outer_Full	4.86	/	/	<=13	Pass
	2592.99	Outer_Full	4.82	/	/	<=13	Pass
	2659.98	Outer_Full	4.84	/	/	<=13	Pass
DFT-s-OFDM QPSK	2526	Outer_Full	12.92	/	/	<=13	Pass
	2592.99	Outer_Full	5.66	/	/	<=13	Pass
	2659.98	Outer_Full	5.64	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2526	Outer_Full	5.60	/	/	<=13	Pass
	2592.99	Outer_Full	5.62	/	/	<=13	Pass
	2659.98	Outer_Full	5.64	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2526	Outer_Full	5.62	/	/	<=13	Pass
	2592.99	Outer_Full	5.64	/	/	<=13	Pass
	2659.98	Outer_Full	5.64	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2526	Outer_Full	5.54	/	/	<=13	Pass
	2592.99	Outer_Full	5.54	/	/	<=13	Pass
	2659.98	Outer_Full	5.56	/	/	<=13	Pass
CP-OFDM QPSK	2526	Outer_Full	6.06	/	/	<=13	Pass

CP-OFDM 16 QAM	2592.99	Outer_Full	6.04	/	/	<=13	Pass
	2659.98	Outer_Full	6.04	/	/	<=13	Pass
	2526	Outer_Full	6.04	/	/	<=13	Pass
	2592.99	Outer_Full	6.04	/	/	<=13	Pass
	2659.98	Outer_Full	6.04	/	/	<=13	Pass
CP-OFDM 64 QAM	2526	Outer_Full	6.06	/	/	<=13	Pass
	2592.99	Outer_Full	6.06	/	/	<=13	Pass
	2659.98	Outer_Full	6.06	/	/	<=13	Pass
CP-OFDM 256 QAM	2526	Outer_Full	6.28	/	/	<=13	Pass
	2592.99	Outer_Full	6.24	/	/	<=13	Pass
	2659.98	Outer_Full	6.22	/	/	<=13	Pass

4.1.8 30k_SISO_80MHz_NTNV

5G NR n41 SCS=30kHz SISO 80MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2536.02	Outer_Full	5.50	/	/	<=13	Pass
	2592.99	Outer_Full	5.54	/	/	<=13	Pass
	2649.99	Outer_Full	5.56	/	/	<=13	Pass
DFT-s-OFDM QPSK	2536.02	Outer_Full	6.12	/	/	<=13	Pass
	2592.99	Outer_Full	6.16	/	/	<=13	Pass
	2649.99	Outer_Full	6.18	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2536.02	Outer_Full	6.10	/	/	<=13	Pass
	2592.99	Outer_Full	6.14	/	/	<=13	Pass
	2649.99	Outer_Full	6.18	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2536.02	Outer_Full	6.12	/	/	<=13	Pass
	2592.99	Outer_Full	6.14	/	/	<=13	Pass
	2649.99	Outer_Full	6.14	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2536.02	Outer_Full	6.12	/	/	<=13	Pass
	2592.99	Outer_Full	6.12	/	/	<=13	Pass
	2649.99	Outer_Full	6.16	/	/	<=13	Pass
CP-OFDM QPSK	2536.02	Outer_Full	6.50	/	/	<=13	Pass
	2592.99	Outer_Full	6.54	/	/	<=13	Pass
	2649.99	Outer_Full	6.52	/	/	<=13	Pass
CP-OFDM 16 QAM	2536.02	Outer_Full	6.54	/	/	<=13	Pass
	2592.99	Outer_Full	6.56	/	/	<=13	Pass
	2649.99	Outer_Full	6.54	/	/	<=13	Pass
CP-OFDM 64 QAM	2536.02	Outer_Full	6.54	/	/	<=13	Pass
	2592.99	Outer_Full	6.58	/	/	<=13	Pass
	2649.99	Outer_Full	6.56	/	/	<=13	Pass
CP-OFDM 256 QAM	2536.02	Outer_Full	6.74	/	/	<=13	Pass
	2592.99	Outer_Full	6.78	/	/	<=13	Pass
	2649.99	Outer_Full	6.74	/	/	<=13	Pass

4.1.9 30k_SISO_90MHz_NTNV

5G NR n41 SCS=30kHz SISO 90MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2541	Outer_Full	2.96	/	/	<=13	Pass
	2592.99	Outer_Full	3.06	/	/	<=13	Pass
	2644.98	Outer_Full	3.08	/	/	<=13	Pass
DFT-s-OFDM QPSK	2541	Outer_Full	13.00	/	/	<=13	Pass
	2592.99	Outer_Full	12.88	/	/	<=13	Pass
	2644.98	Outer_Full	12.06	/	/	<=13	Pass

DFT-s-OFDM 16 QAM	2541	Outer Full	11.32	/	/	<=13	Pass
	2592.99	Outer Full	10.56	/	/	<=13	Pass
	2644.98	Outer Full	10.88	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2541	Outer Full	11.88	/	/	<=13	Pass
	2592.99	Outer Full	10.52	/	/	<=13	Pass
	2644.98	Outer Full	10.88	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2541	Outer Full	3.50	/	/	<=13	Pass
	2592.99	Outer Full	3.52	/	/	<=13	Pass
	2644.98	Outer Full	3.52	/	/	<=13	Pass
CP-OFDM QPSK	2541	Outer Full	3.70	/	/	<=13	Pass
	2592.99	Outer Full	3.70	/	/	<=13	Pass
	2644.98	Outer Full	3.70	/	/	<=13	Pass
CP-OFDM 16 QAM	2541	Outer Full	3.70	/	/	<=13	Pass
	2592.99	Outer Full	3.70	/	/	<=13	Pass
	2644.98	Outer Full	3.70	/	/	<=13	Pass
CP-OFDM 64 QAM	2541	Outer Full	3.72	/	/	<=13	Pass
	2592.99	Outer Full	3.74	/	/	<=13	Pass
	2644.98	Outer Full	3.72	/	/	<=13	Pass
CP-OFDM 256 QAM	2541	Outer Full	4.08	/	/	<=13	Pass
	2592.99	Outer Full	4.04	/	/	<=13	Pass
	2644.98	Outer Full	4.00	/	/	<=13	Pass

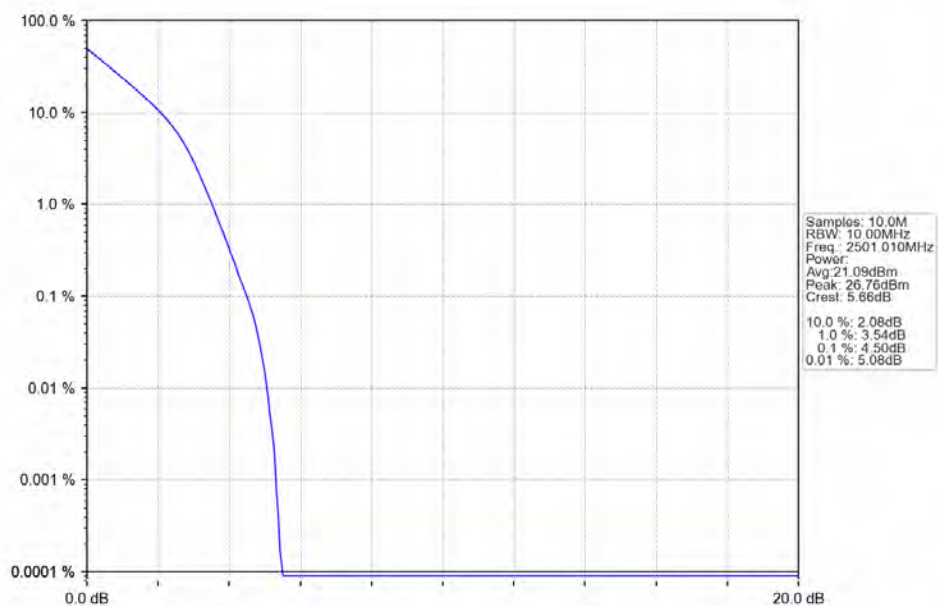
4.1.10 30k_SISO_100MHz_NTNV

5G NR n41 SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2546.01	Outer Full	3.02	/	/	<=13	Pass
	2592.99	Outer Full	3.16	/	/	<=13	Pass
	2640	Outer Full	3.20	/	/	<=13	Pass
DFT-s-OFDM QPSK	2546.01	Outer Full	3.22	/	/	<=13	Pass
	2592.99	Outer Full	3.26	/	/	<=13	Pass
	2640	Outer Full	10.66	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2546.01	Outer Full	3.52	/	/	<=13	Pass
	2592.99	Outer Full	3.52	/	/	<=13	Pass
	2640	Outer Full	10.66	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2546.01	Outer Full	3.56	/	/	<=13	Pass
	2592.99	Outer Full	3.58	/	/	<=13	Pass
	2640	Outer Full	3.56	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2546.01	Outer Full	3.64	/	/	<=13	Pass
	2592.99	Outer Full	3.64	/	/	<=13	Pass
	2640	Outer Full	3.62	/	/	<=13	Pass
CP-OFDM QPSK	2546.01	Outer Full	3.86	/	/	<=13	Pass
	2592.99	Outer Full	3.86	/	/	<=13	Pass
	2640	Outer Full	3.84	/	/	<=13	Pass
CP-OFDM 16 QAM	2546.01	Outer Full	3.86	/	/	<=13	Pass
	2592.99	Outer Full	3.88	/	/	<=13	Pass
	2640	Outer Full	3.86	/	/	<=13	Pass
CP-OFDM 64 QAM	2546.01	Outer Full	3.92	/	/	<=13	Pass
	2592.99	Outer Full	3.90	/	/	<=13	Pass
	2640	Outer Full	3.90	/	/	<=13	Pass
CP-OFDM 256 QAM	2546.01	Outer Full	4.26	/	/	<=13	Pass
	2592.99	Outer Full	4.20	/	/	<=13	Pass
	2640	Outer Full	4.18	/	/	<=13	Pass

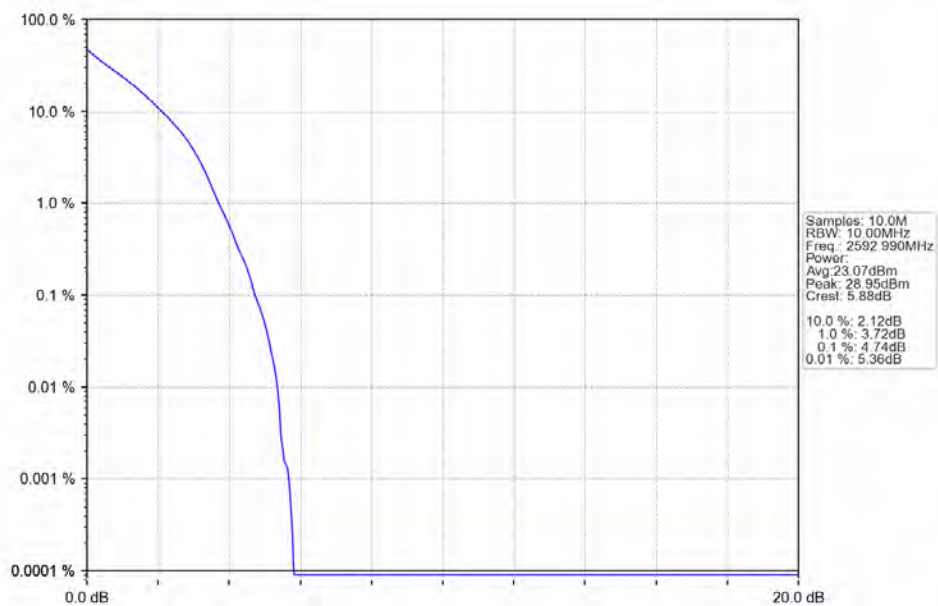
4.2 Test Graph

4.2.1 30k_SISO_10MHz_NTNV

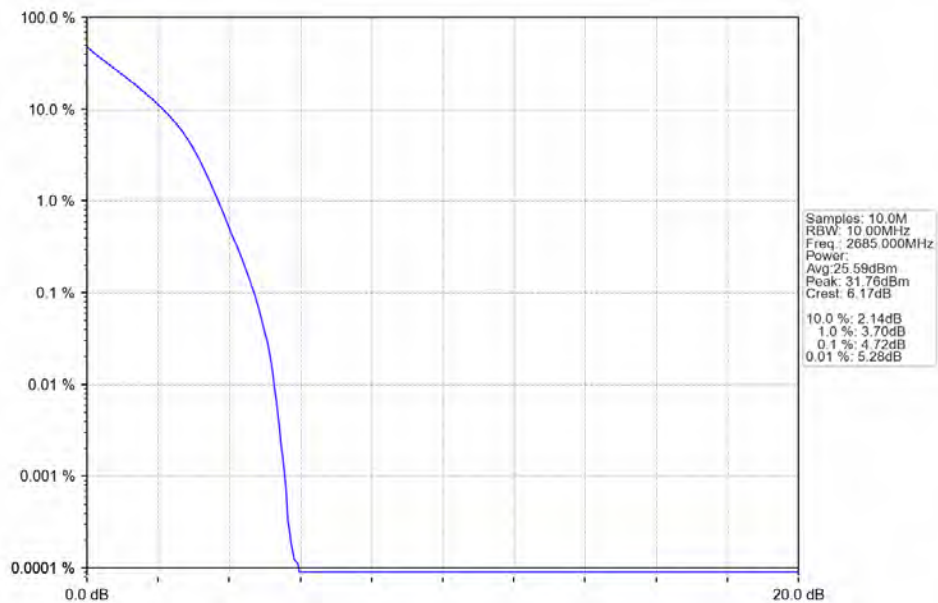
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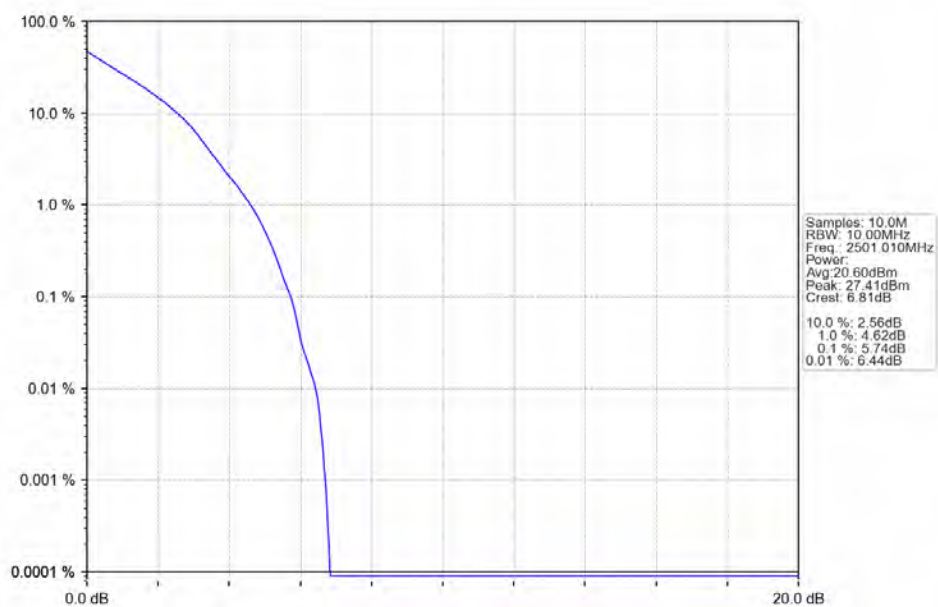
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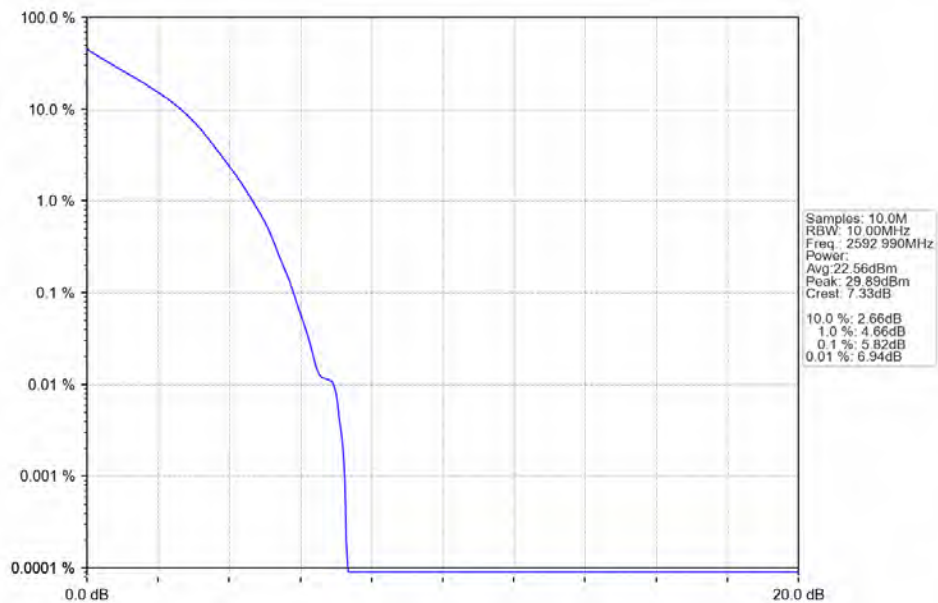
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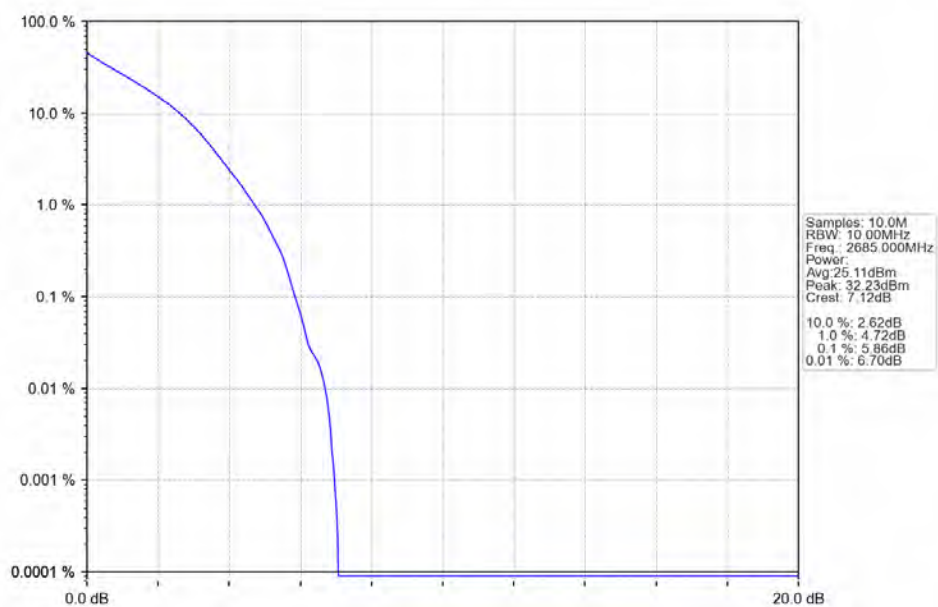
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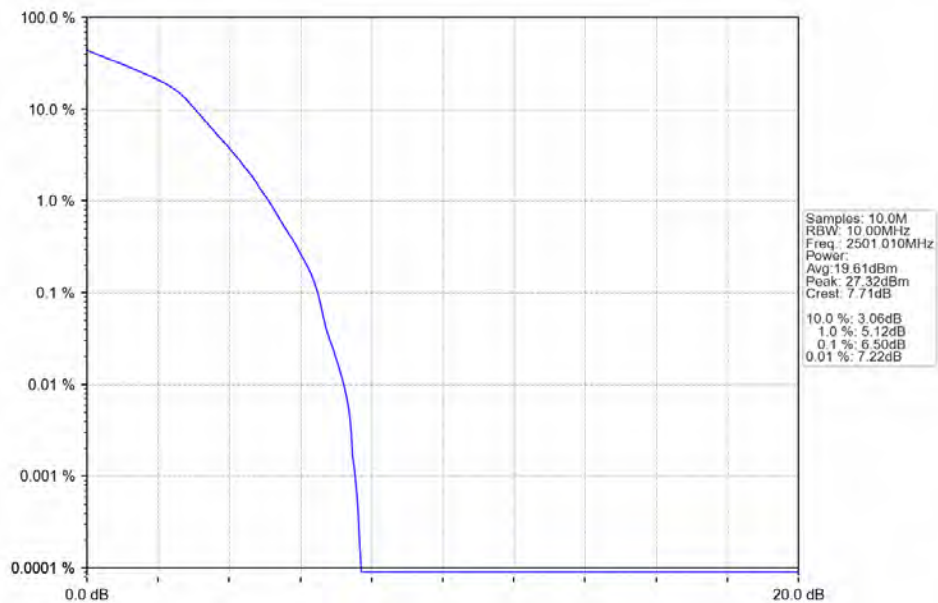
n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2592.99MHz_Outer_Full_Ant1



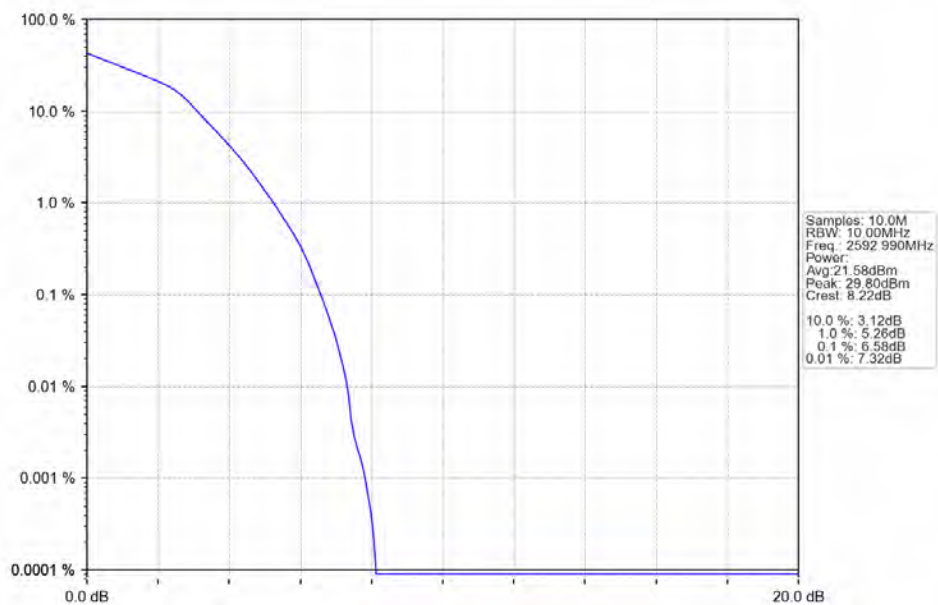
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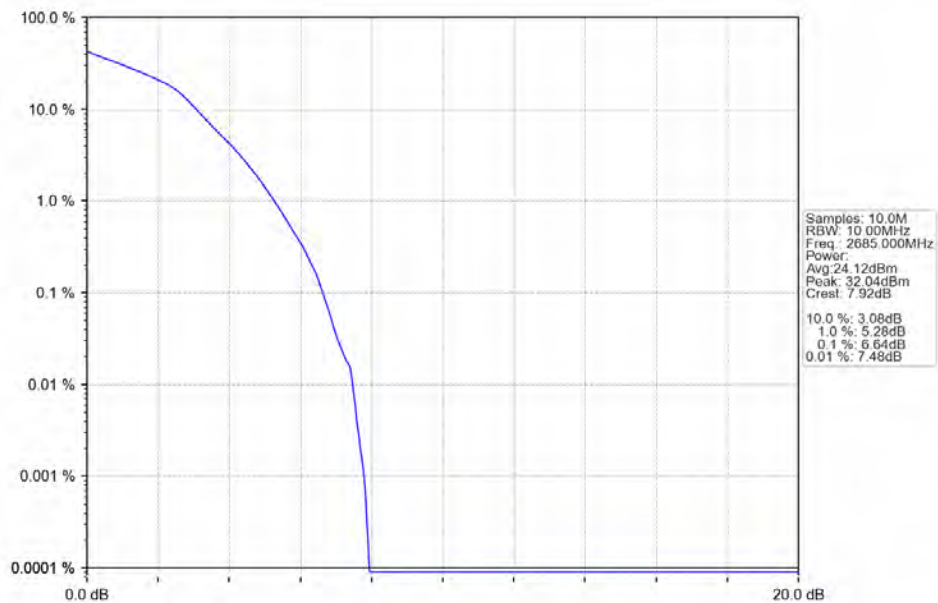
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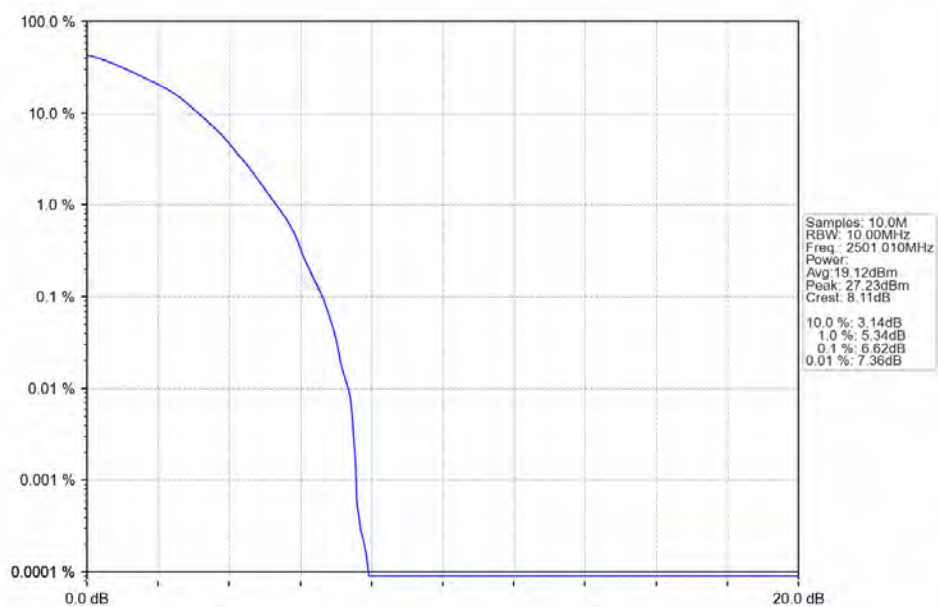
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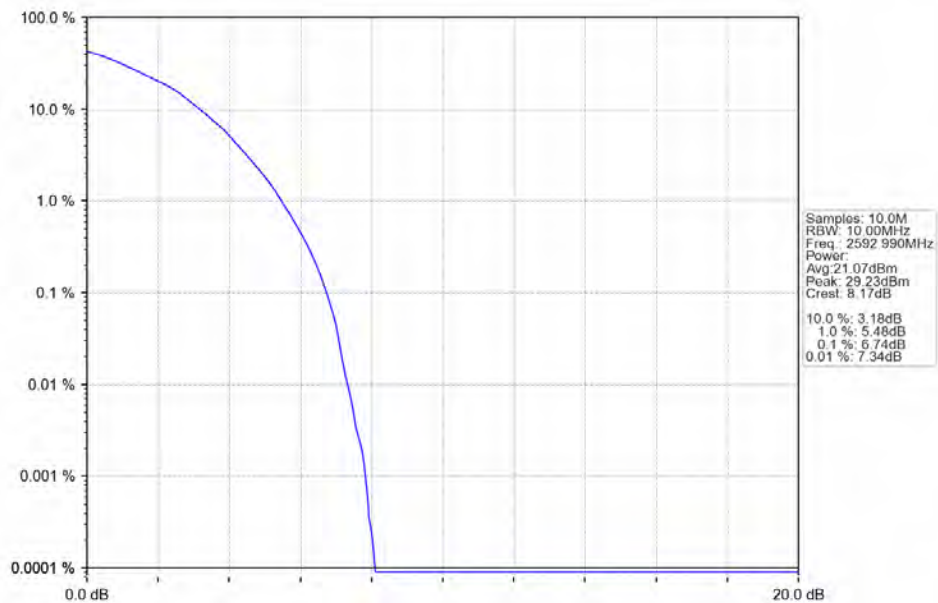
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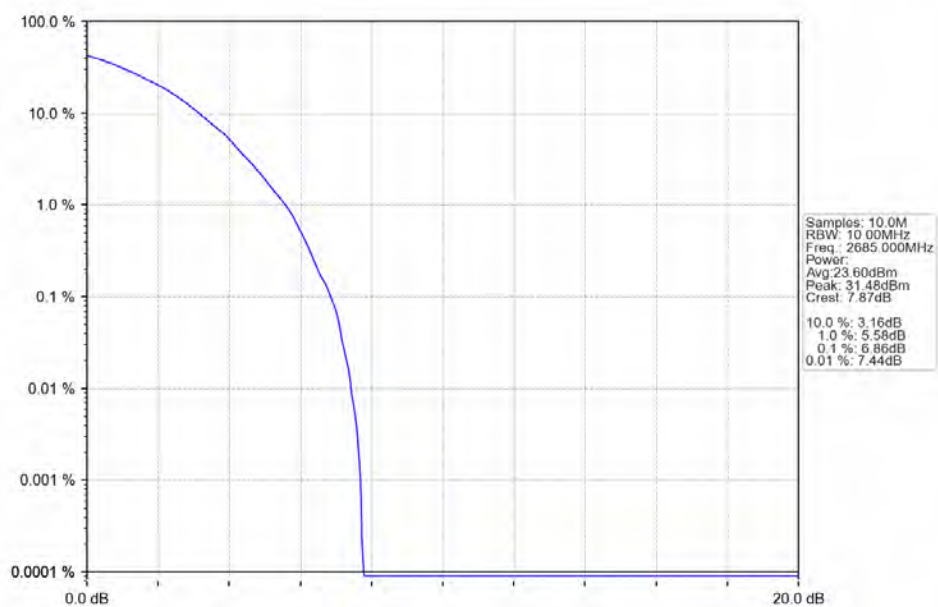
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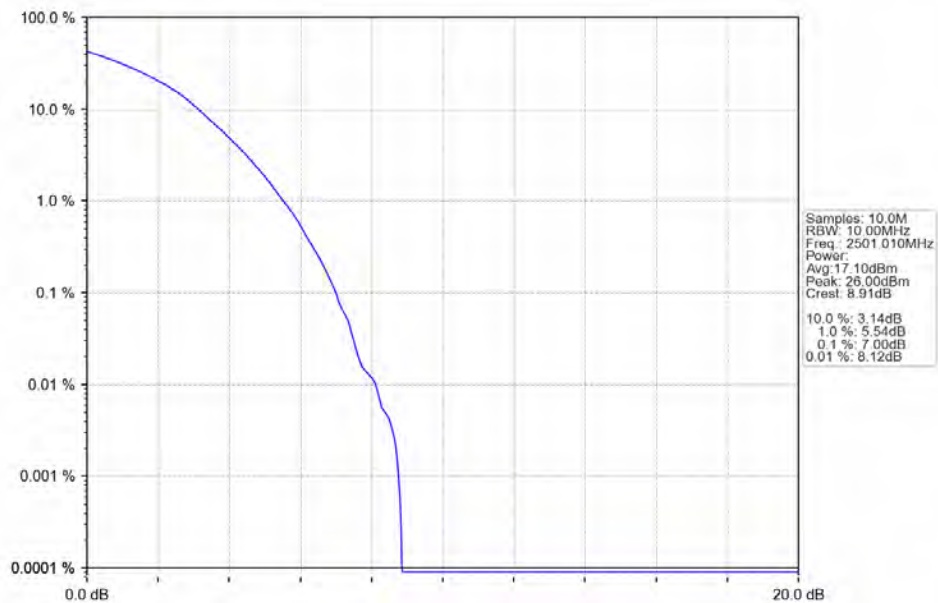
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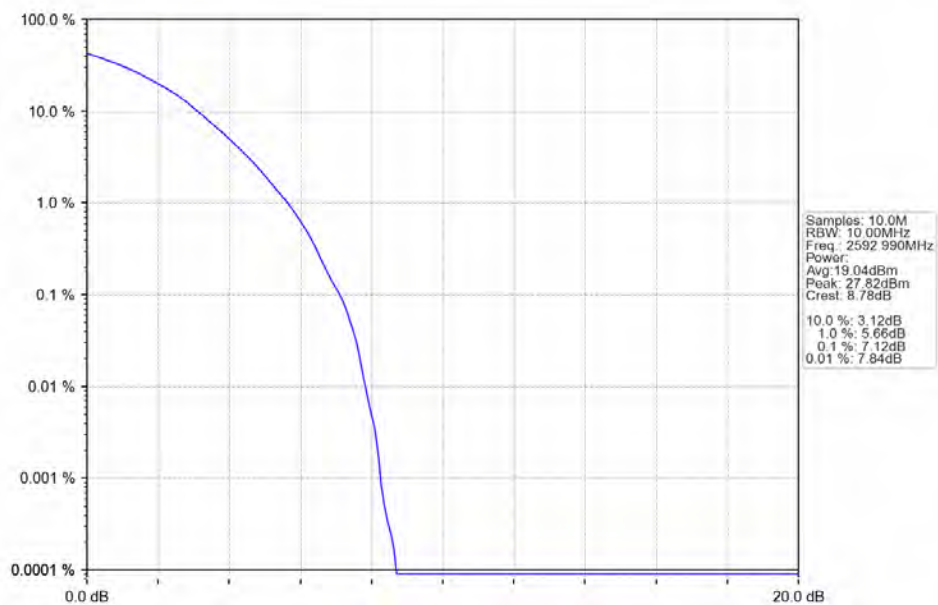
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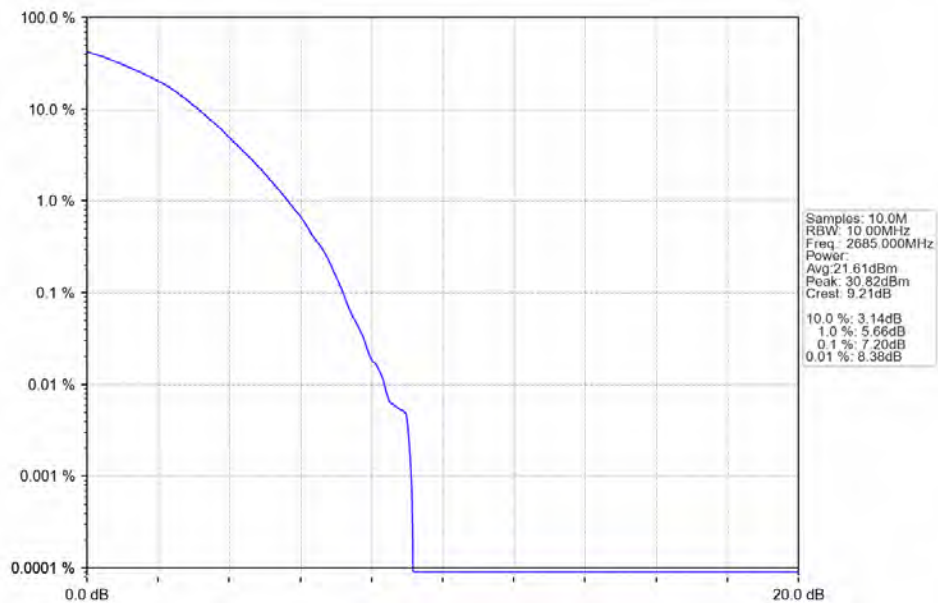
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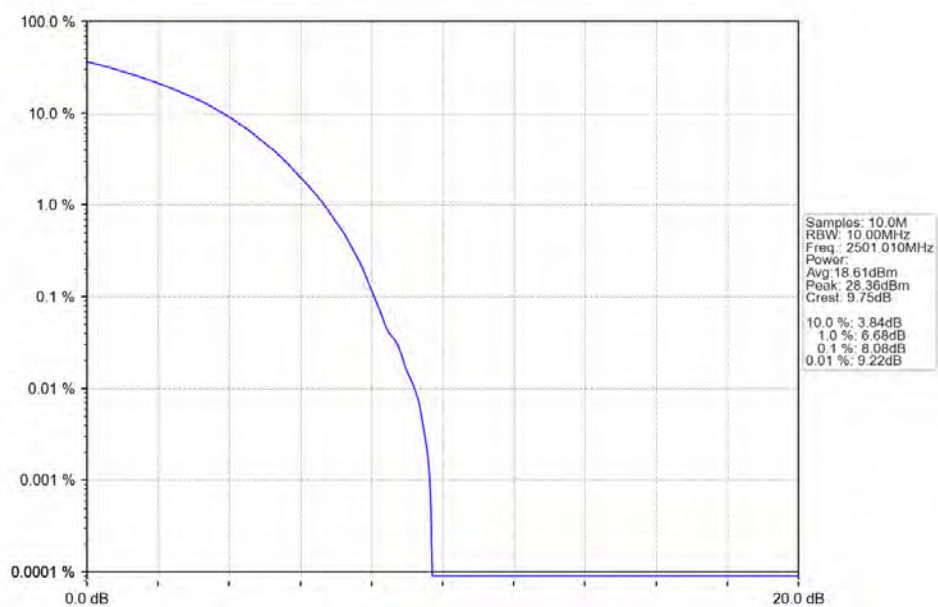
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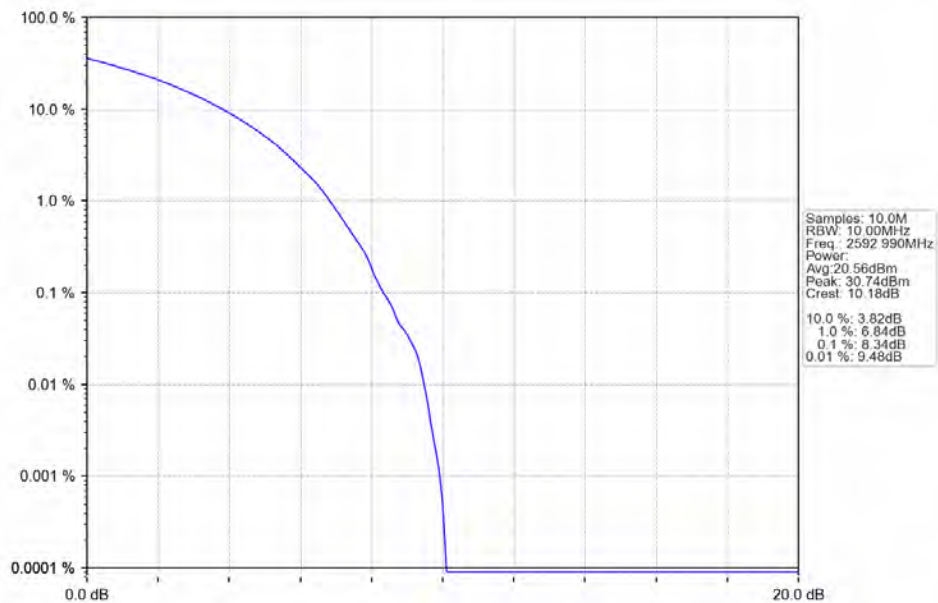
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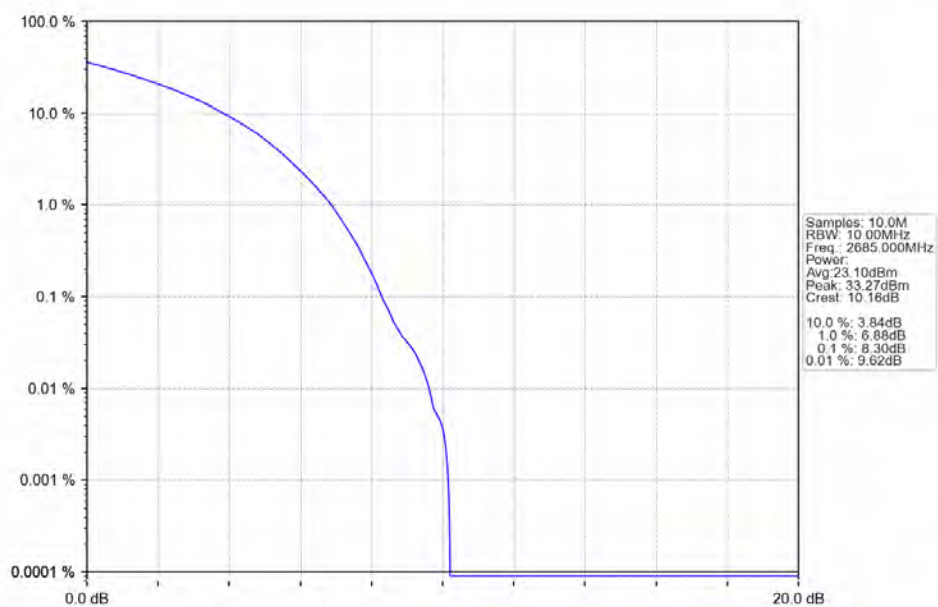
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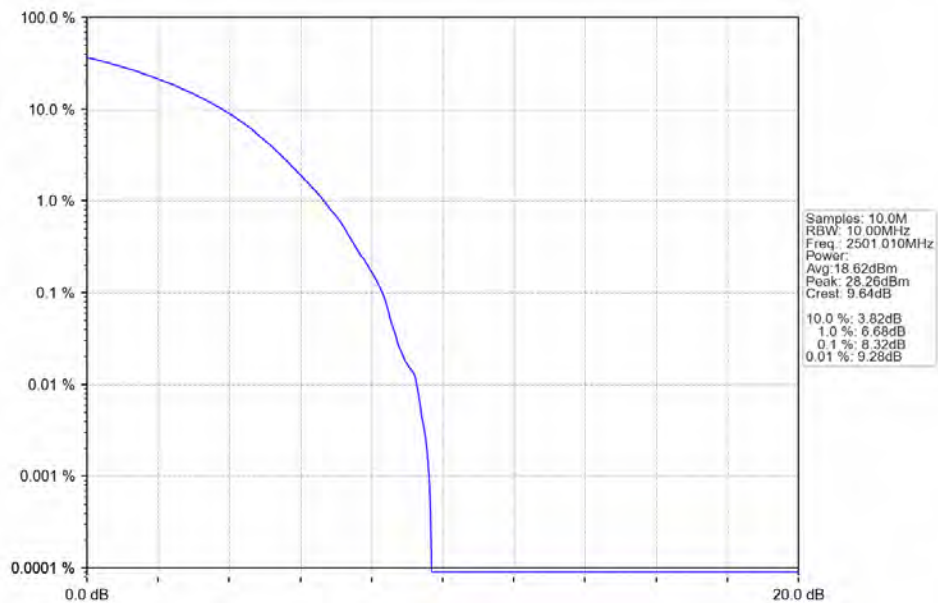
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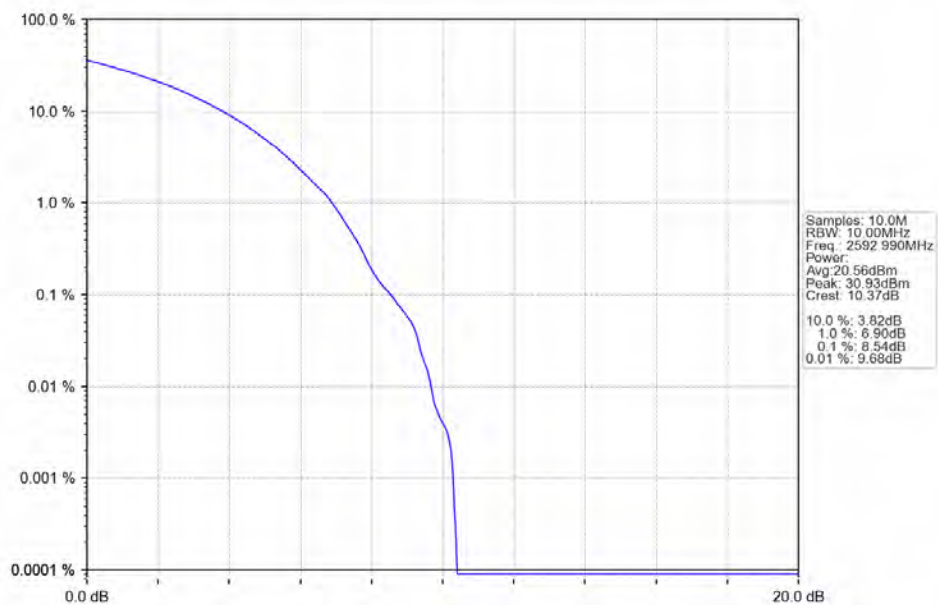
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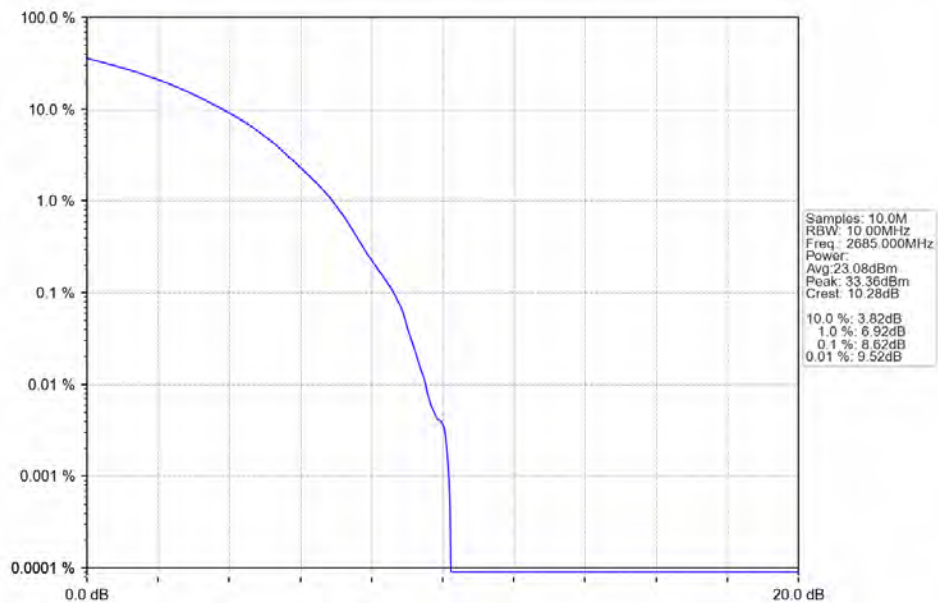
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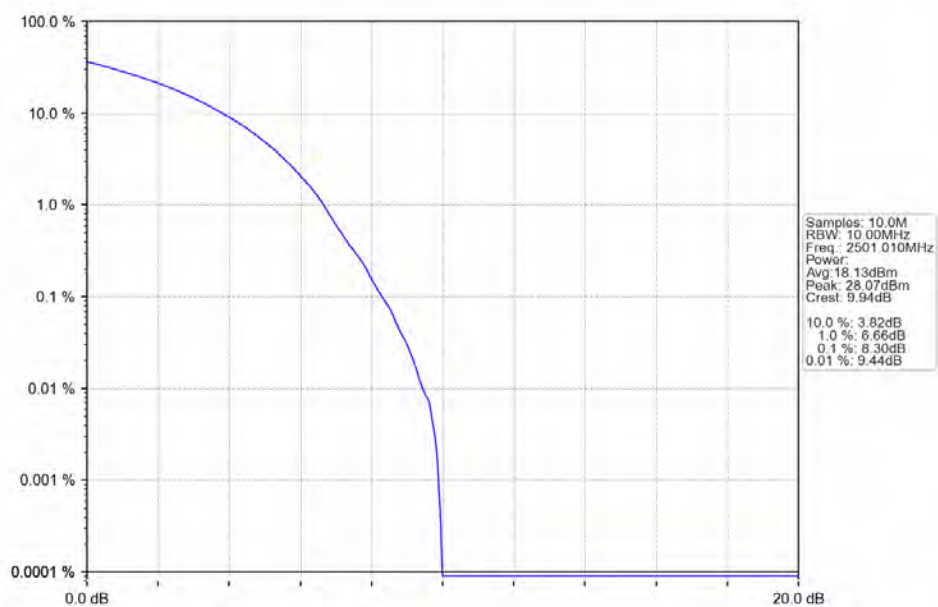
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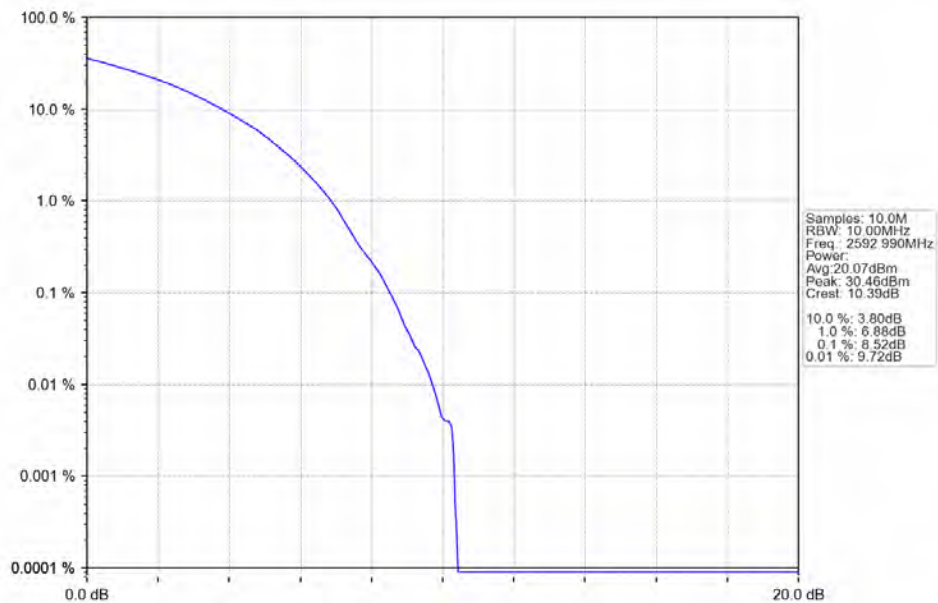
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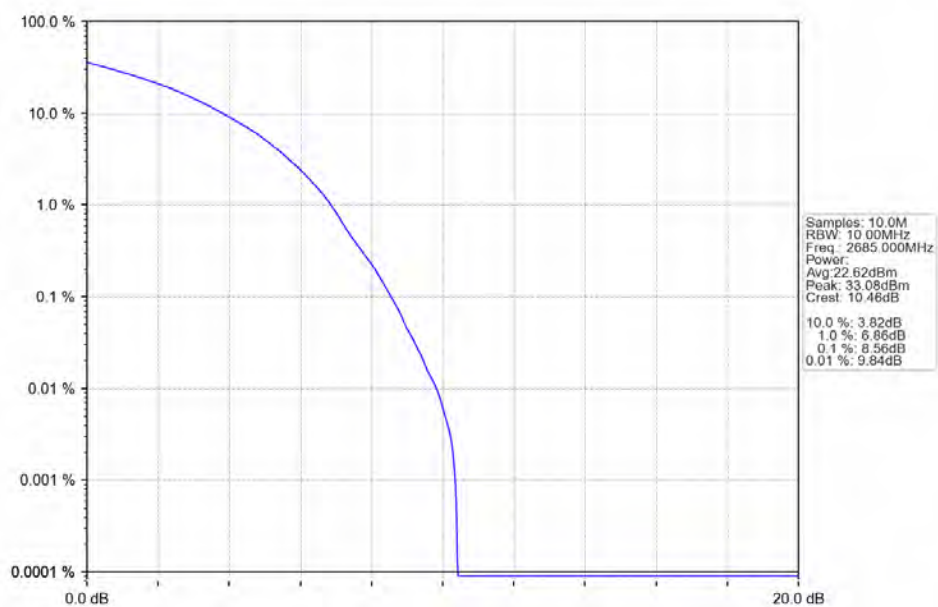
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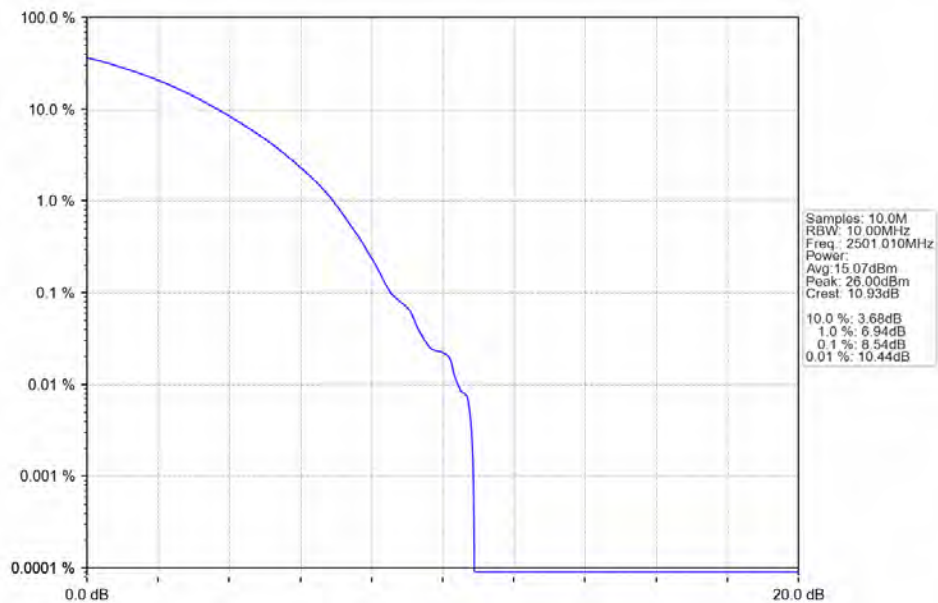
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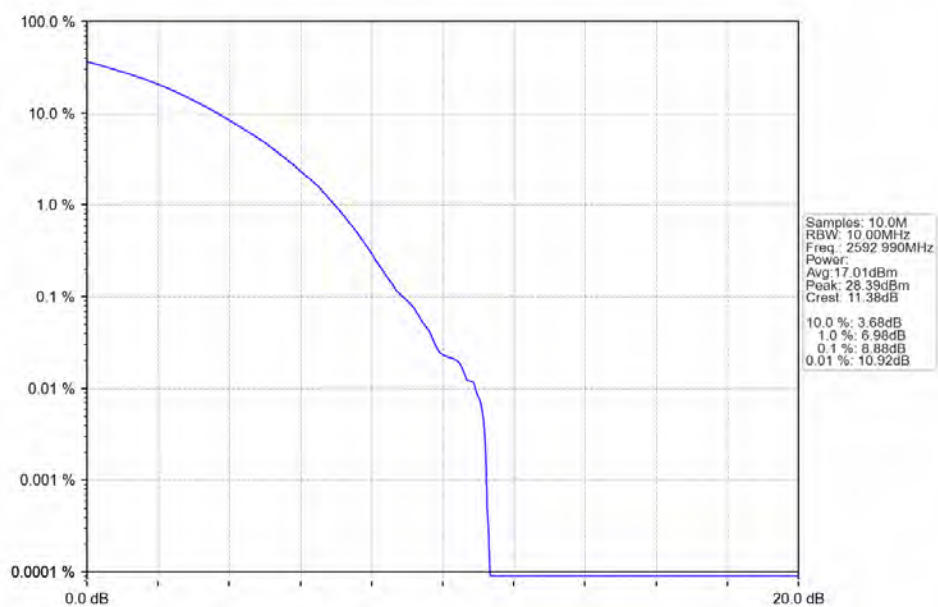
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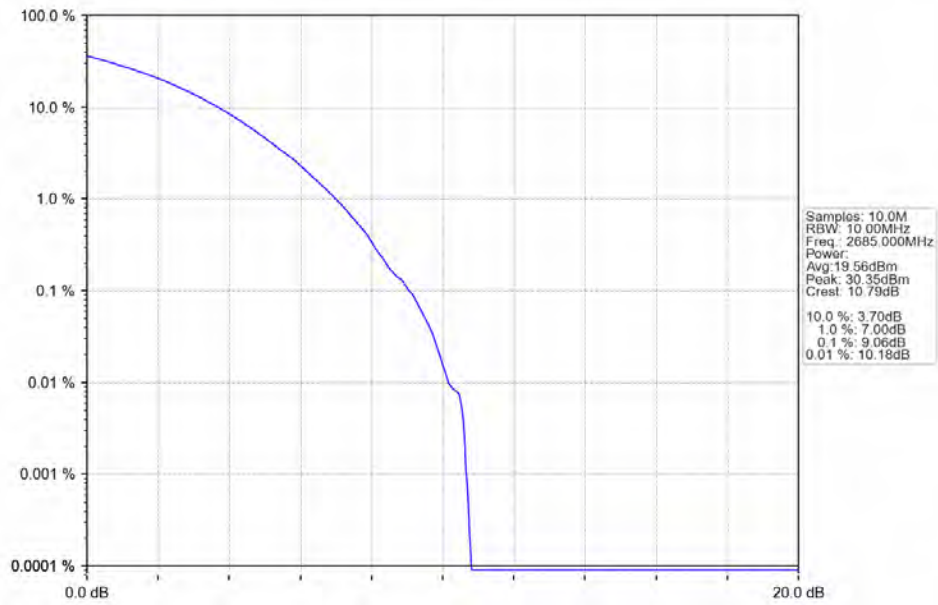
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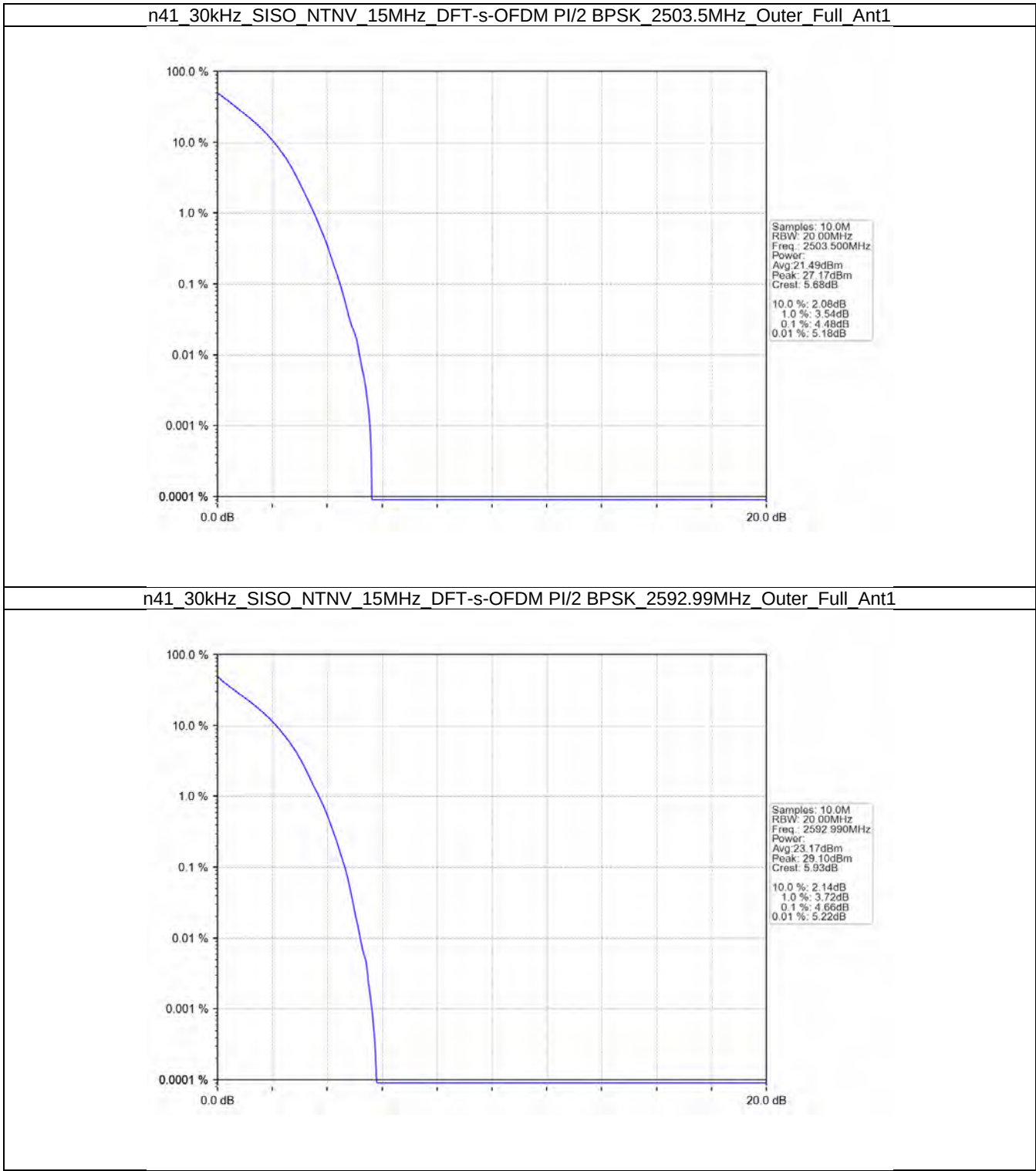
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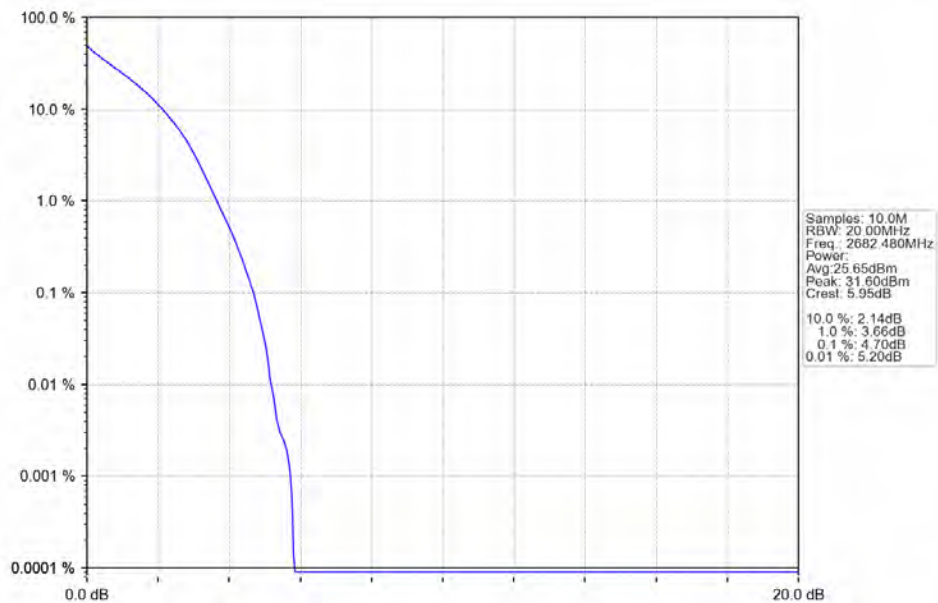
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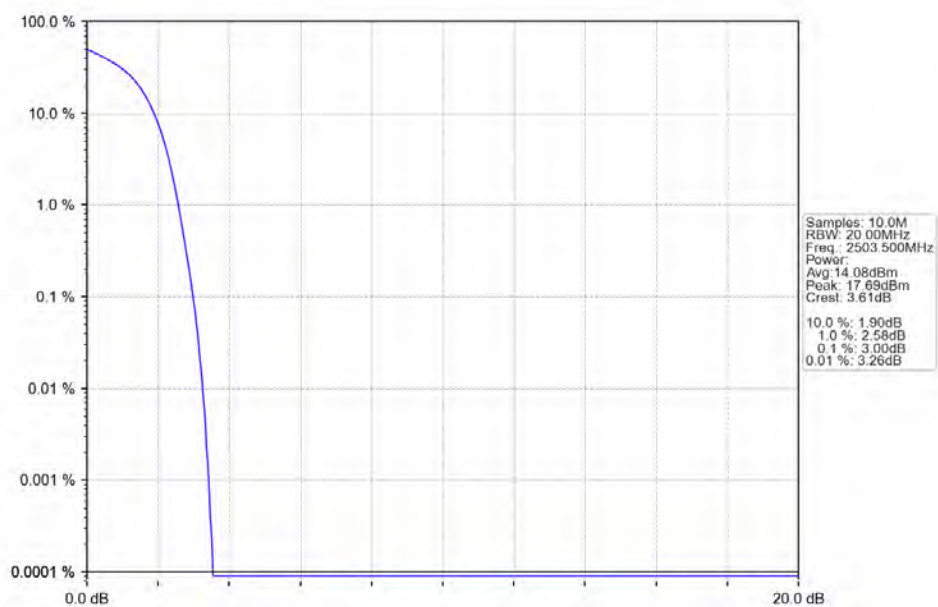
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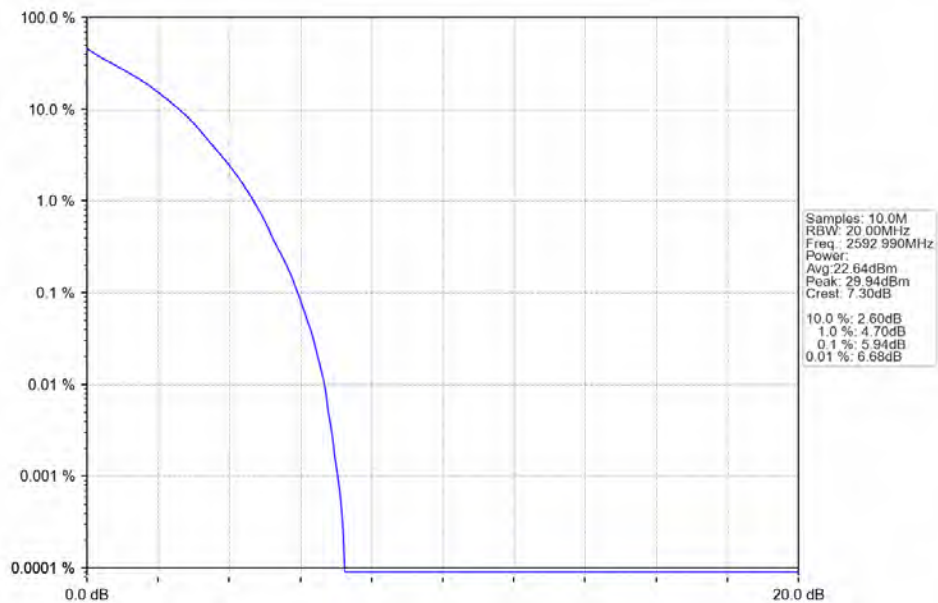
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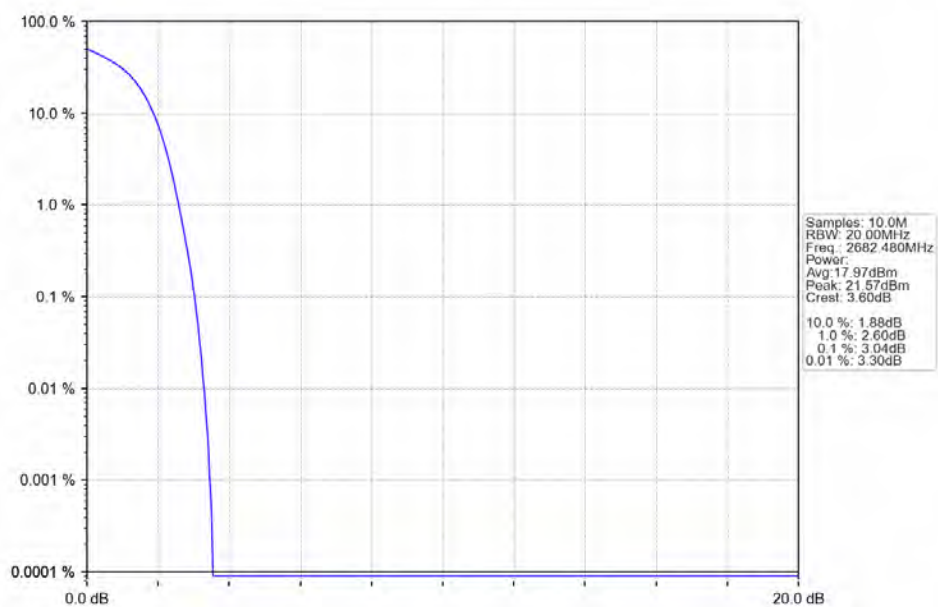
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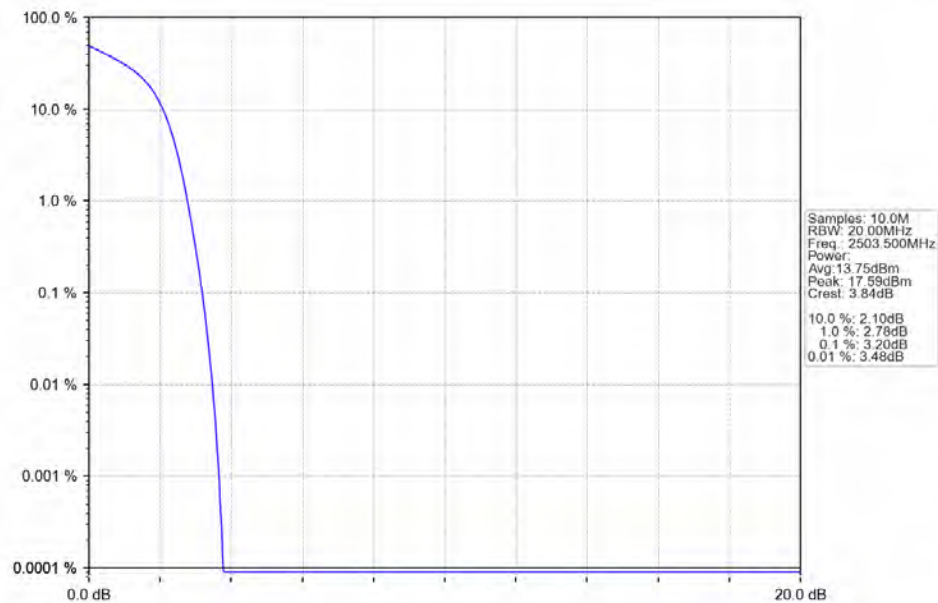
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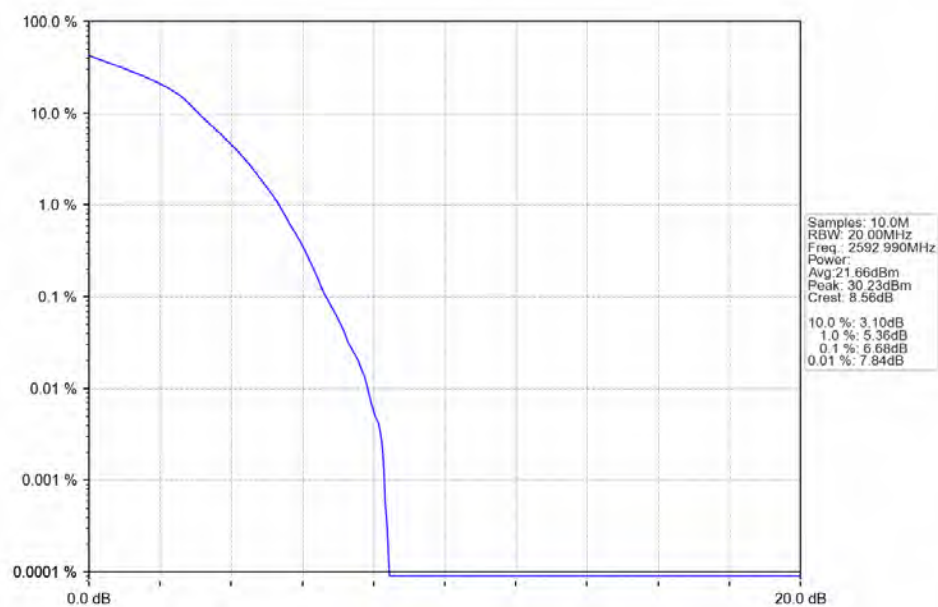
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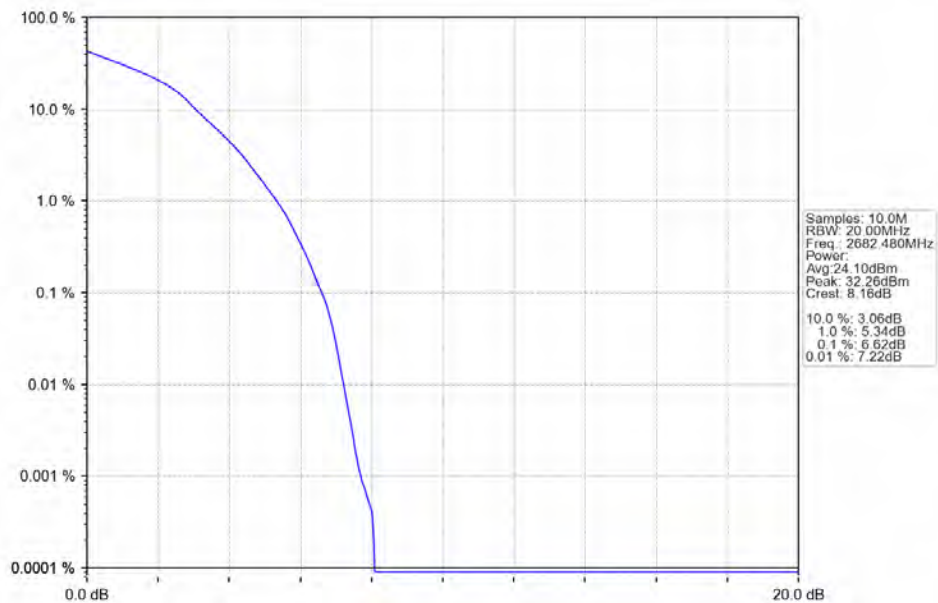
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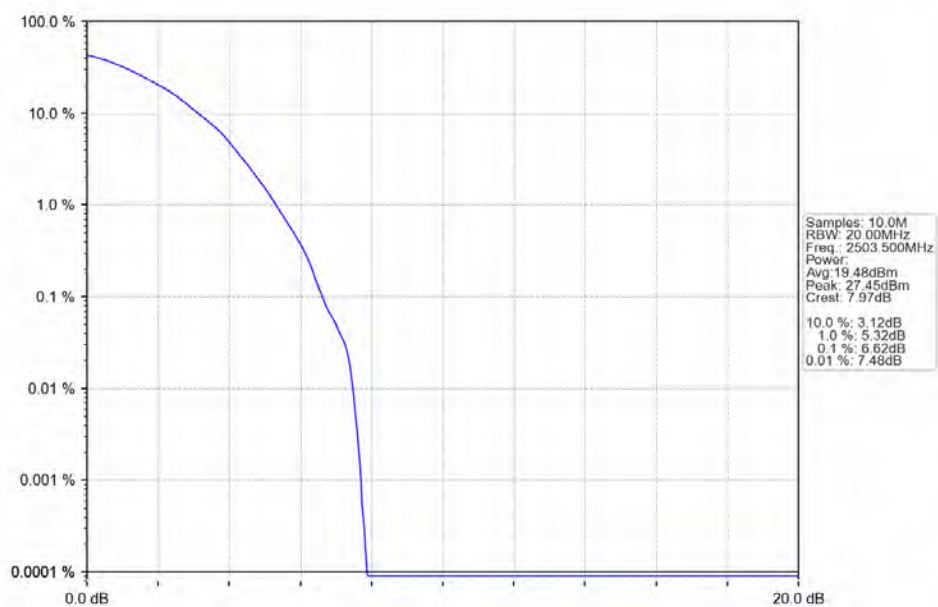
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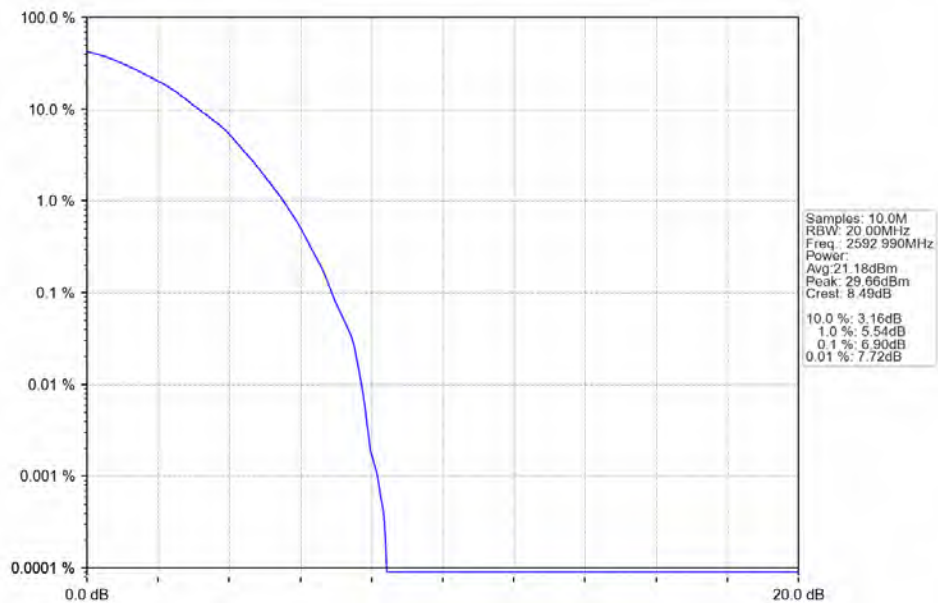
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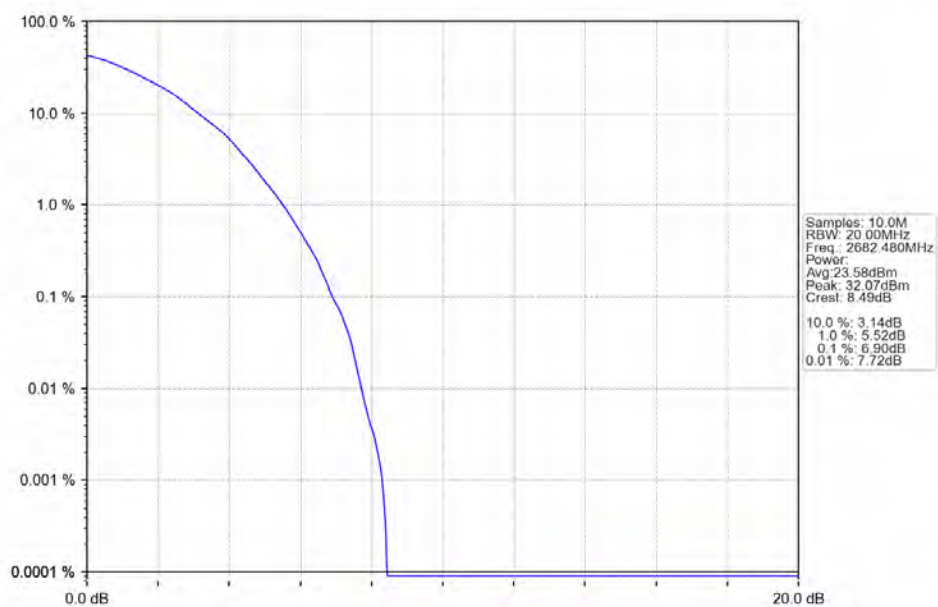
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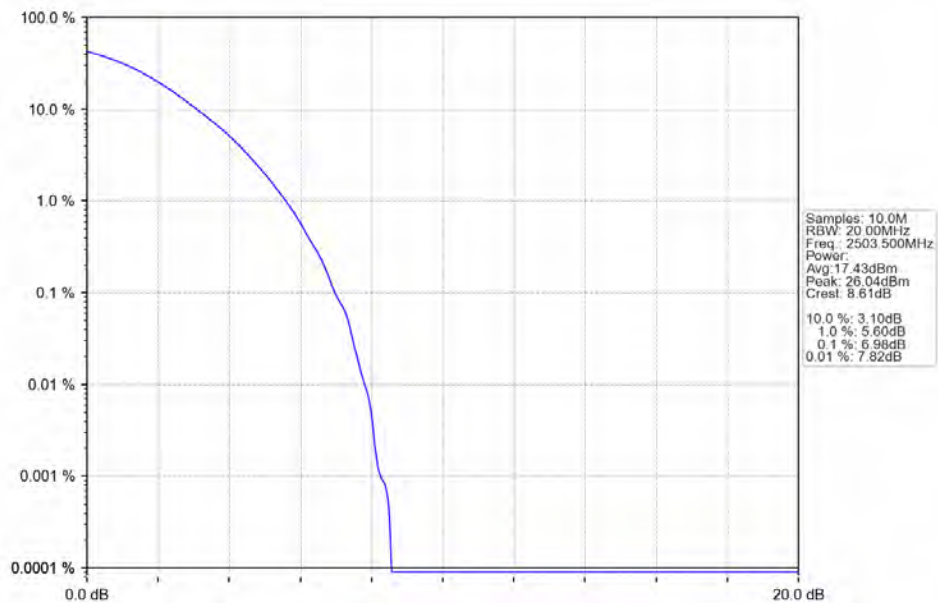
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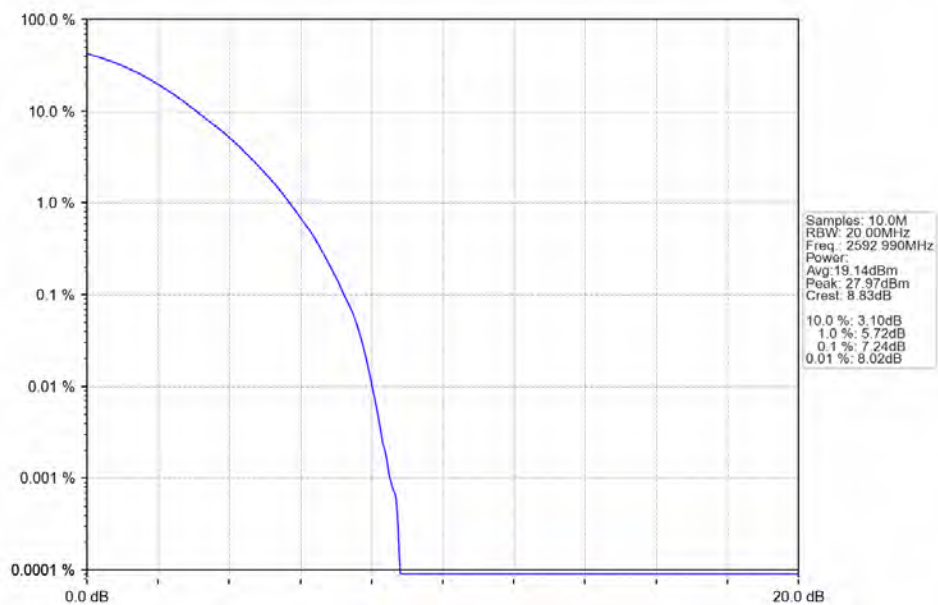
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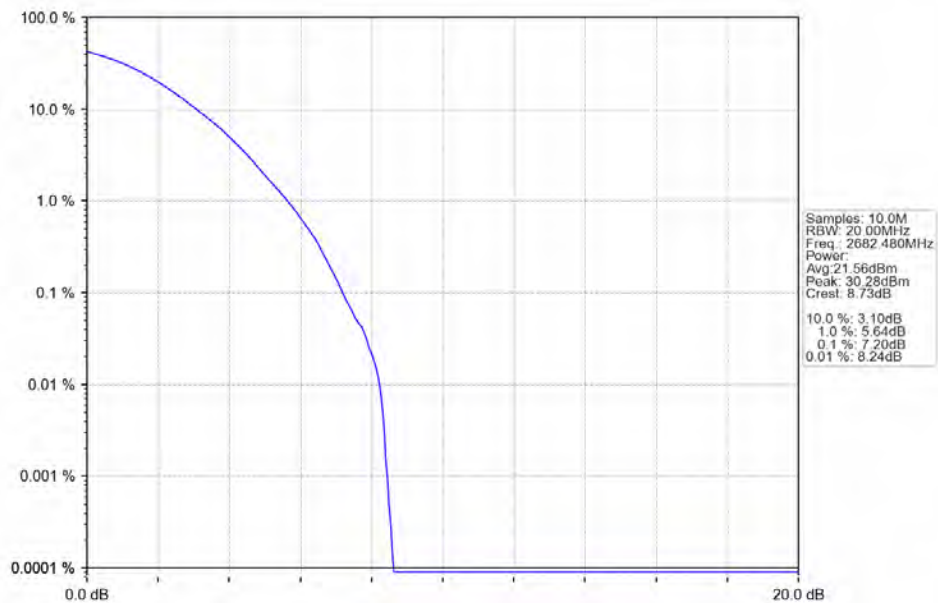
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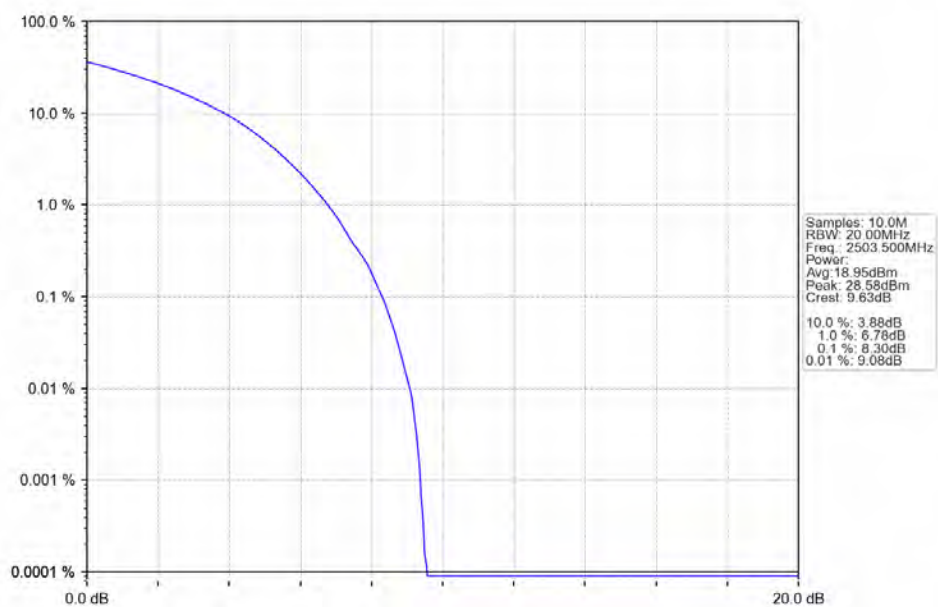
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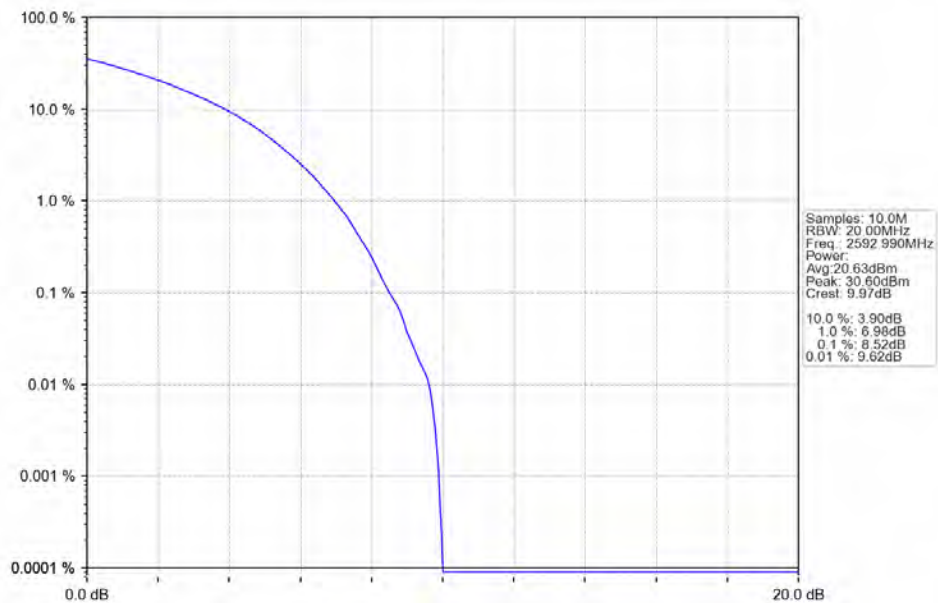
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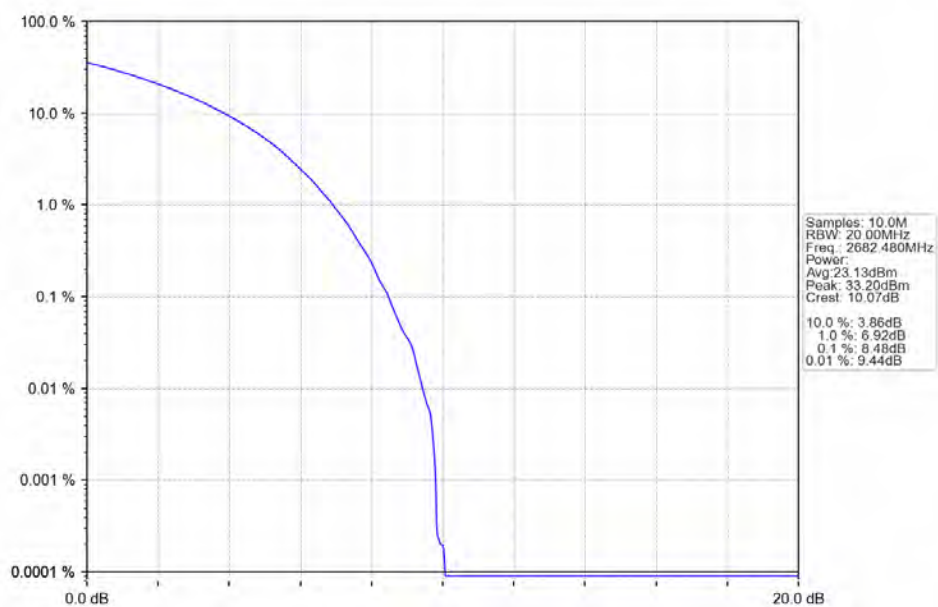
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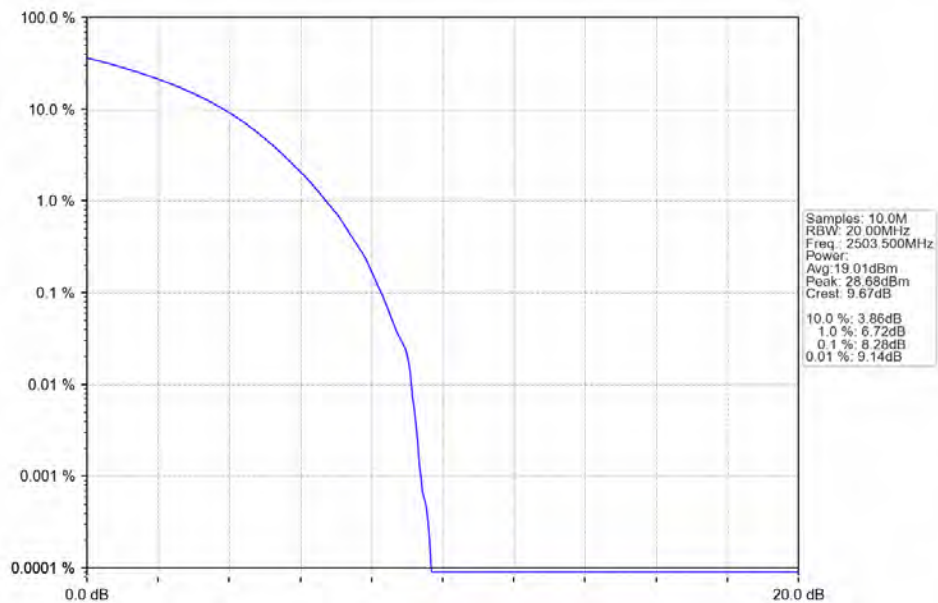
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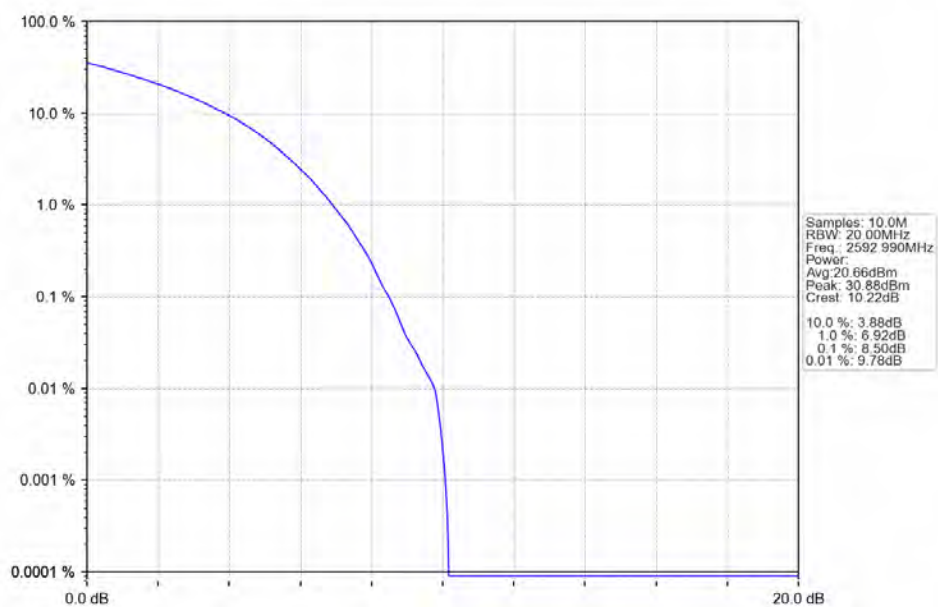
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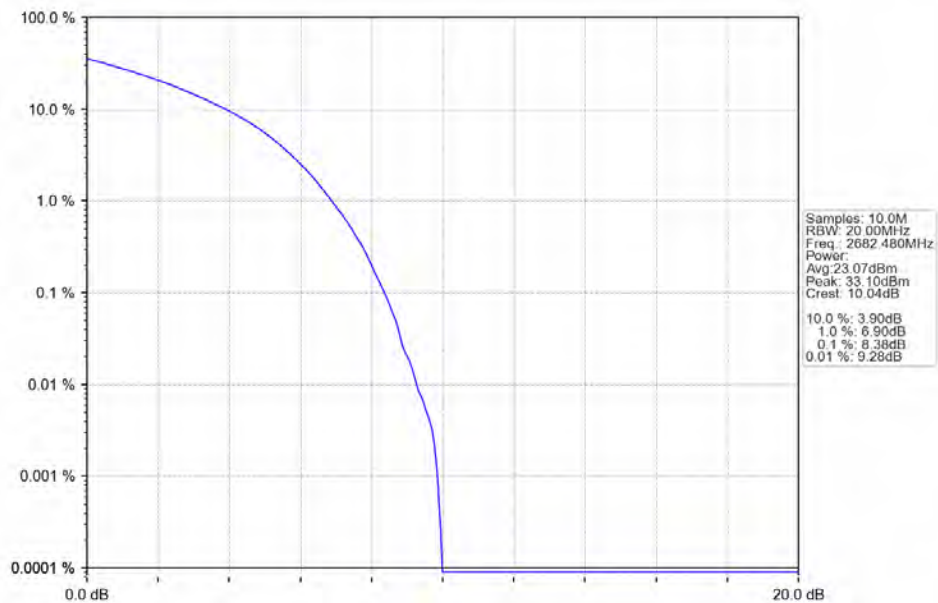
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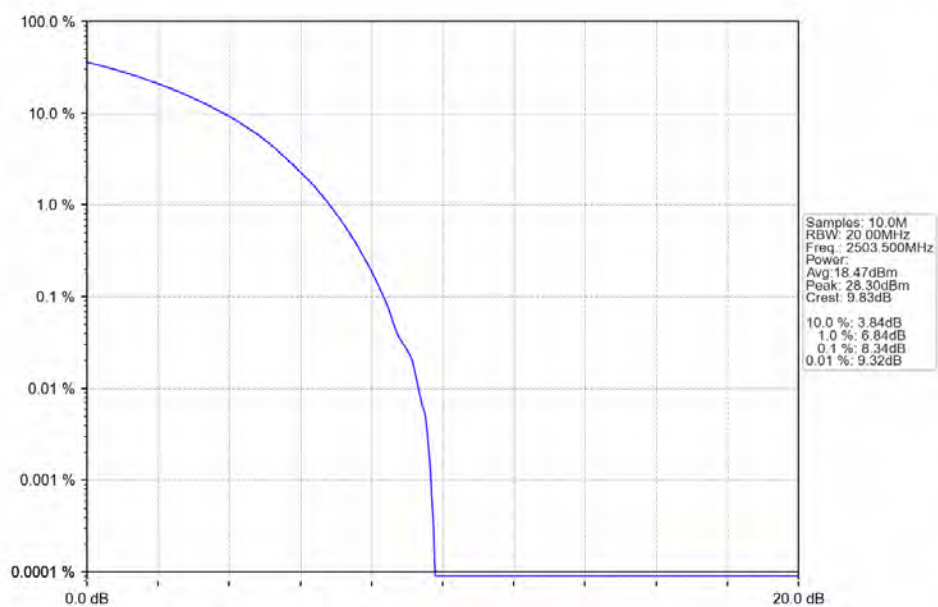
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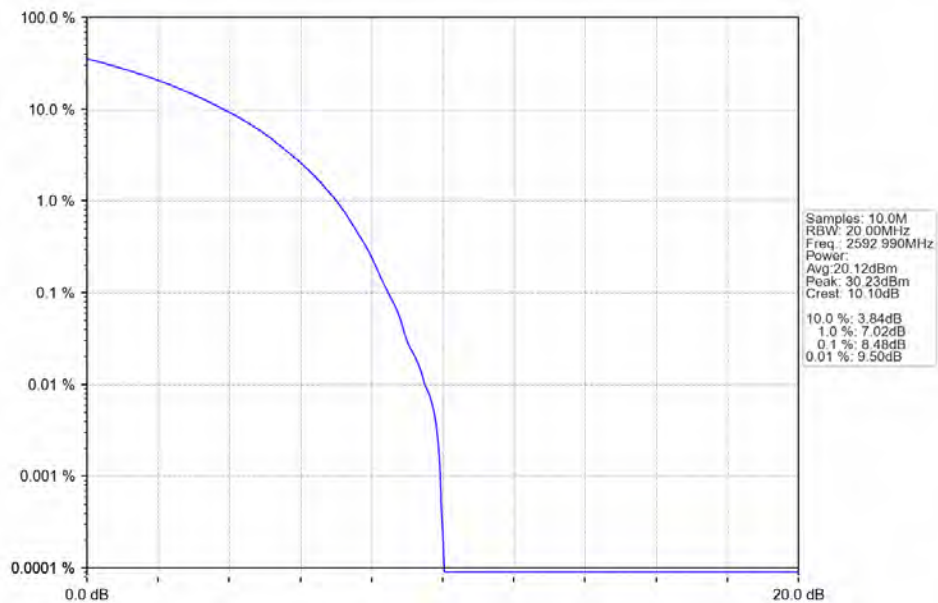
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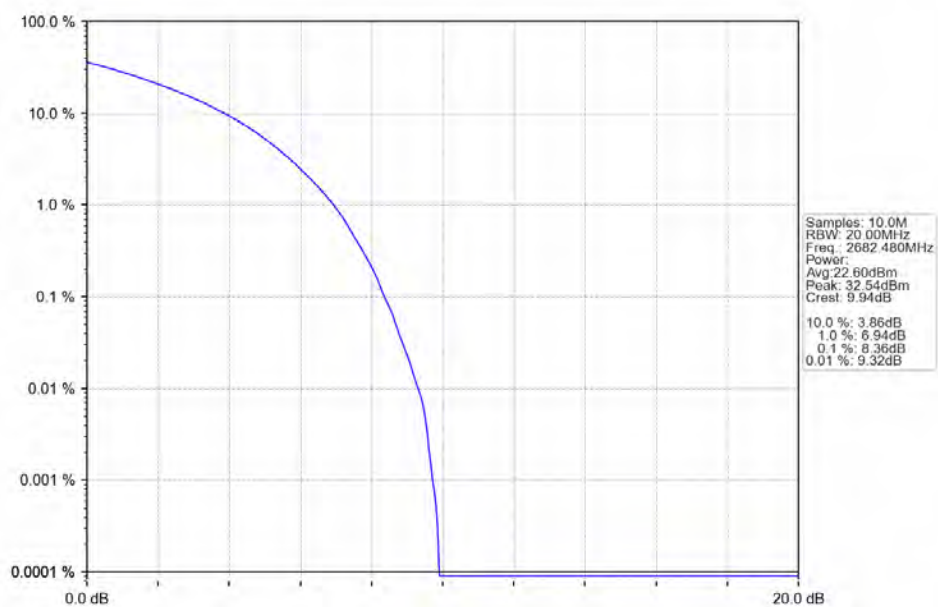
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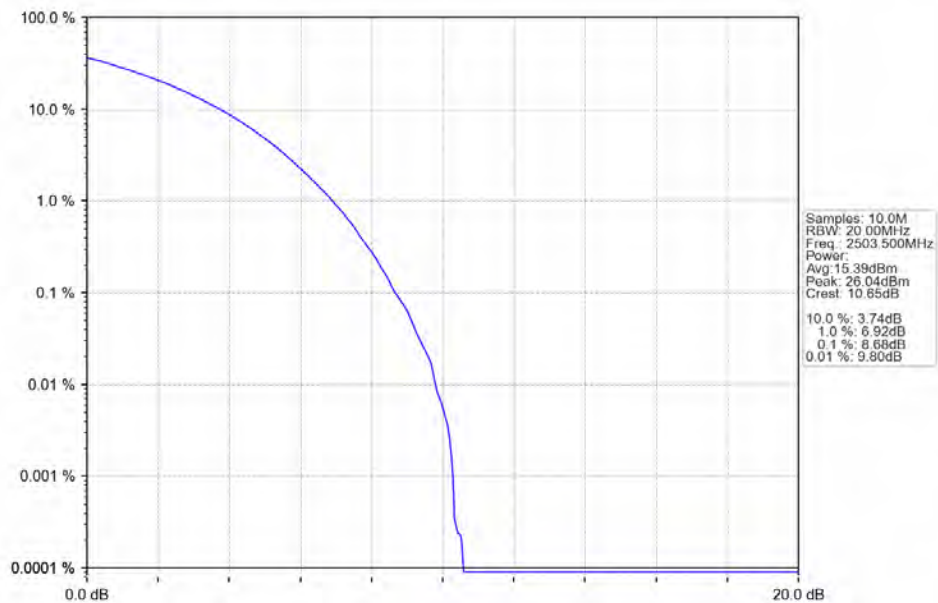
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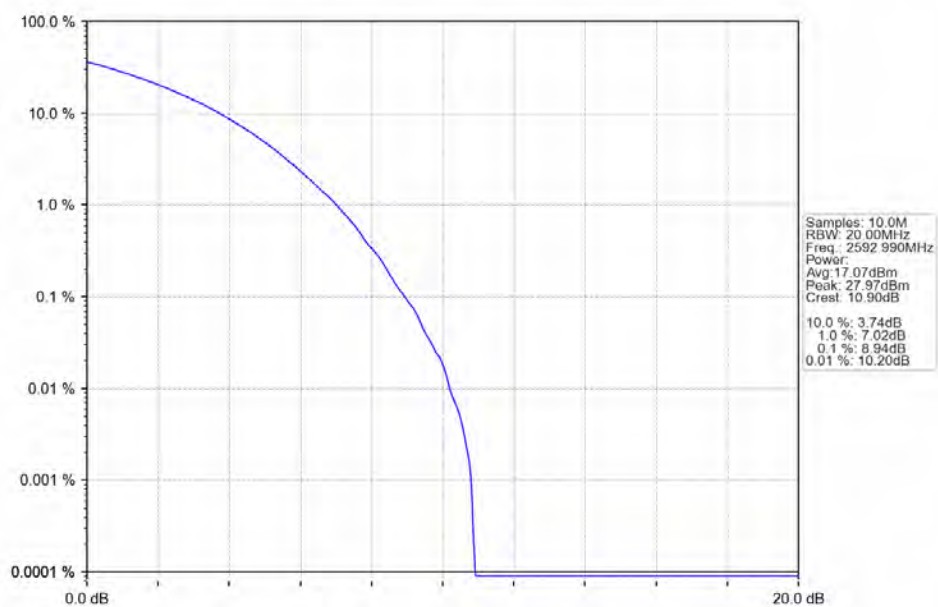
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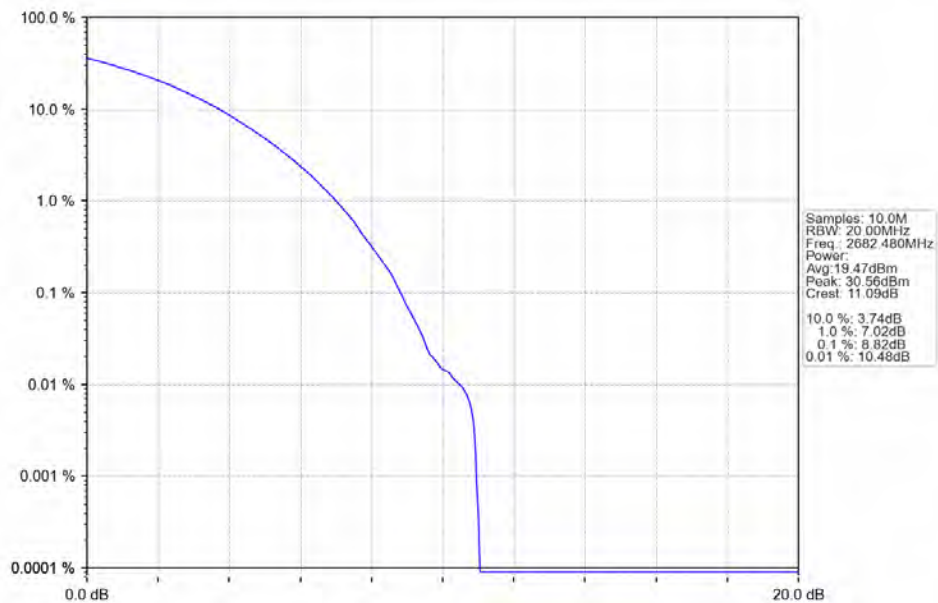
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n41_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full_Ant1

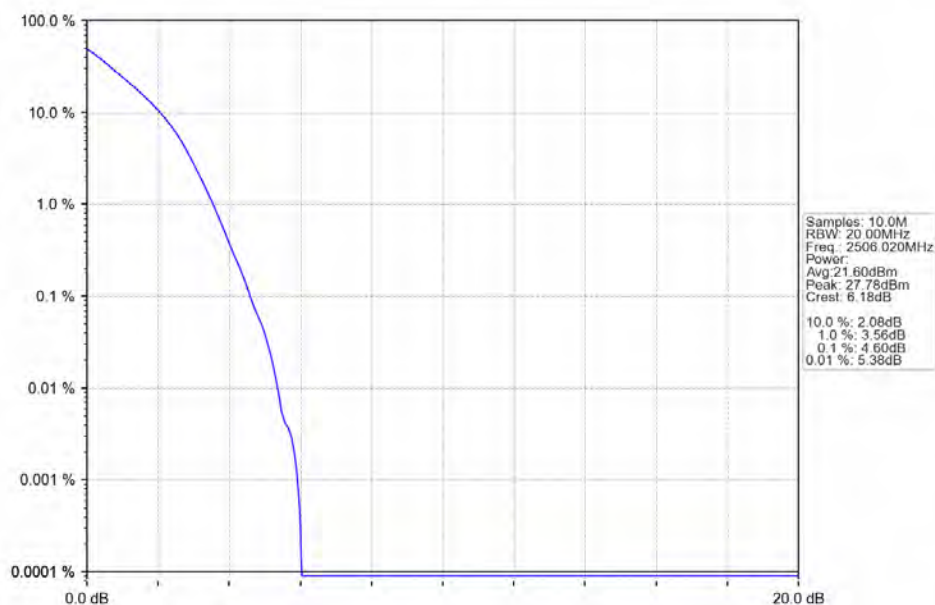


n41_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_2682.48MHz_Outer_Full_Ant1

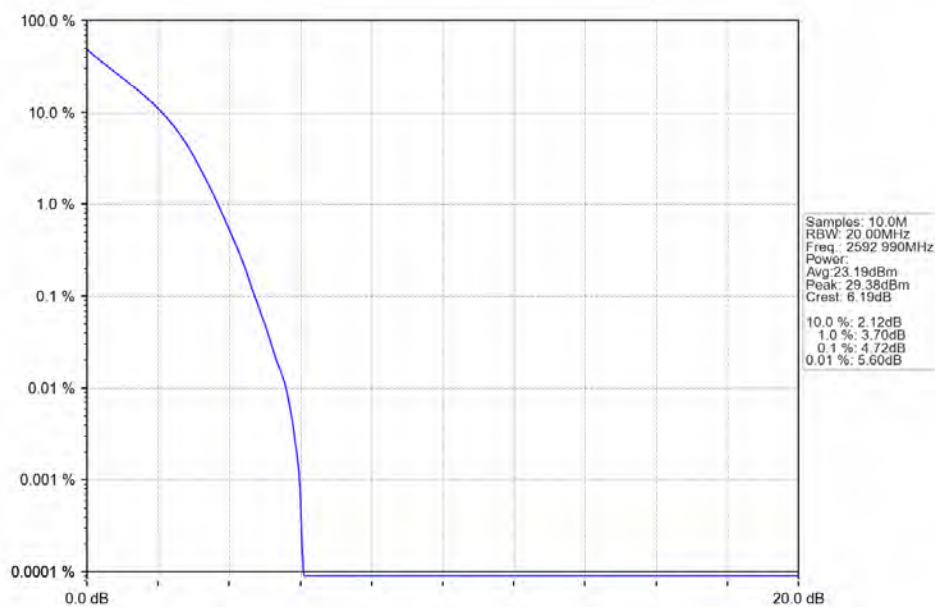


4.2.3 30k_SISO_20MHz_NTNV

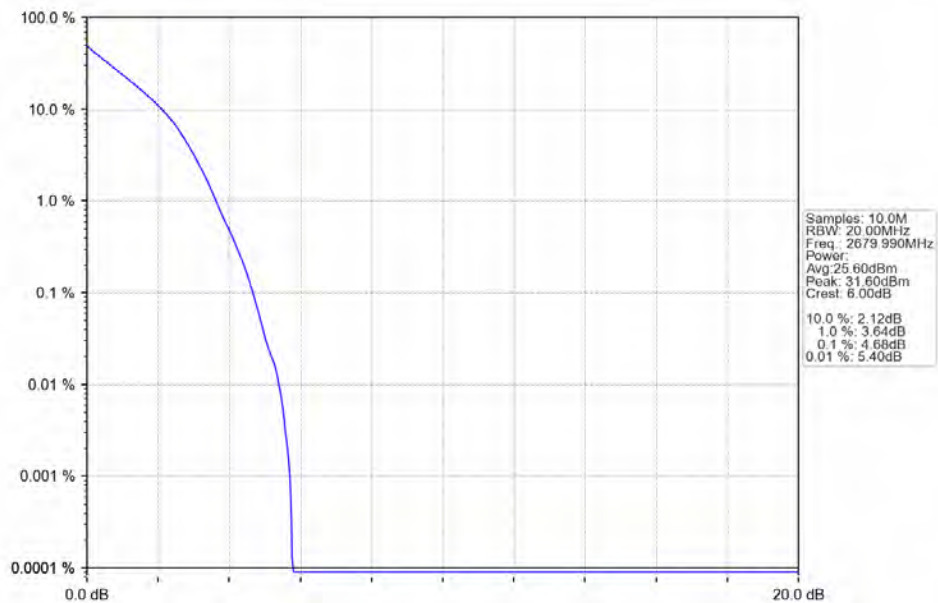
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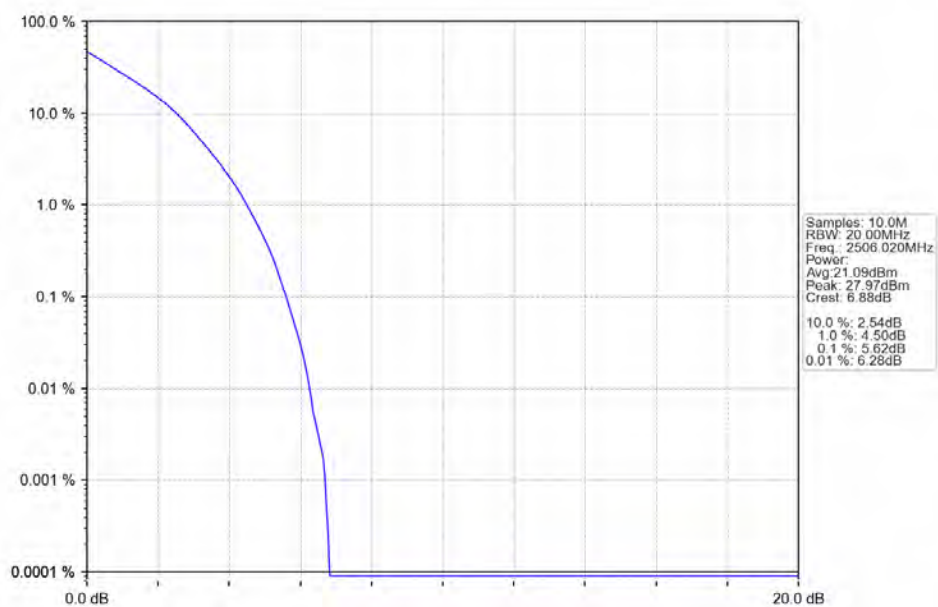
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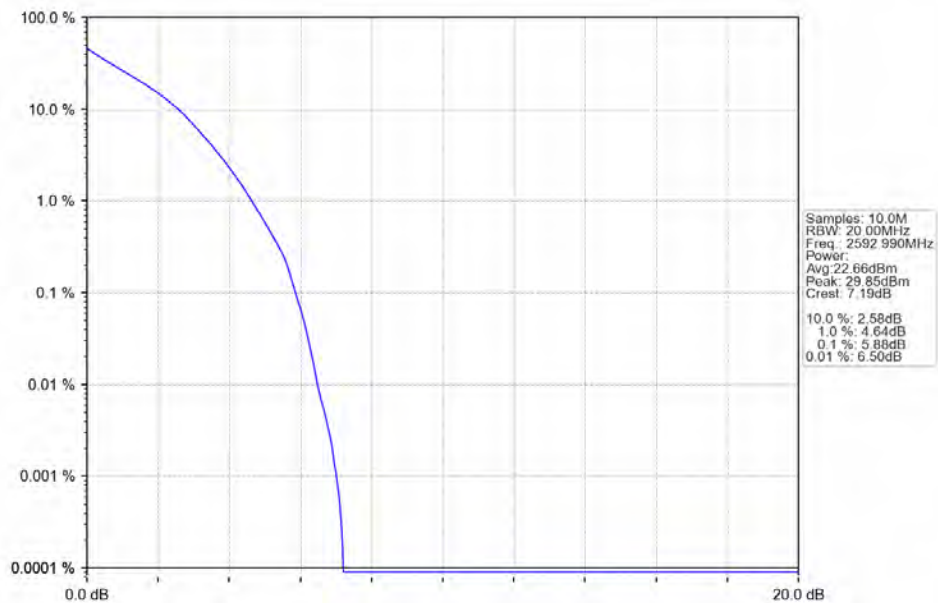
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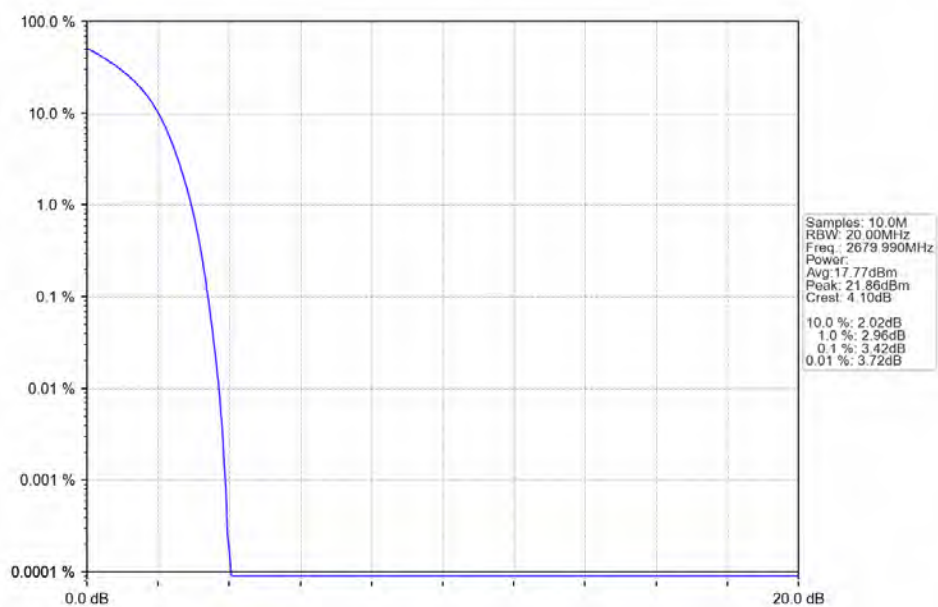
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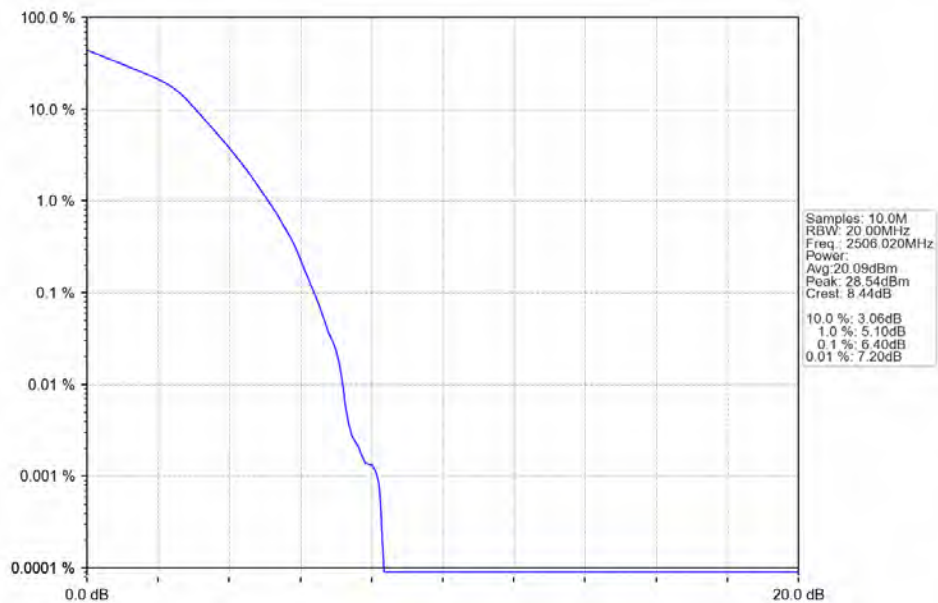
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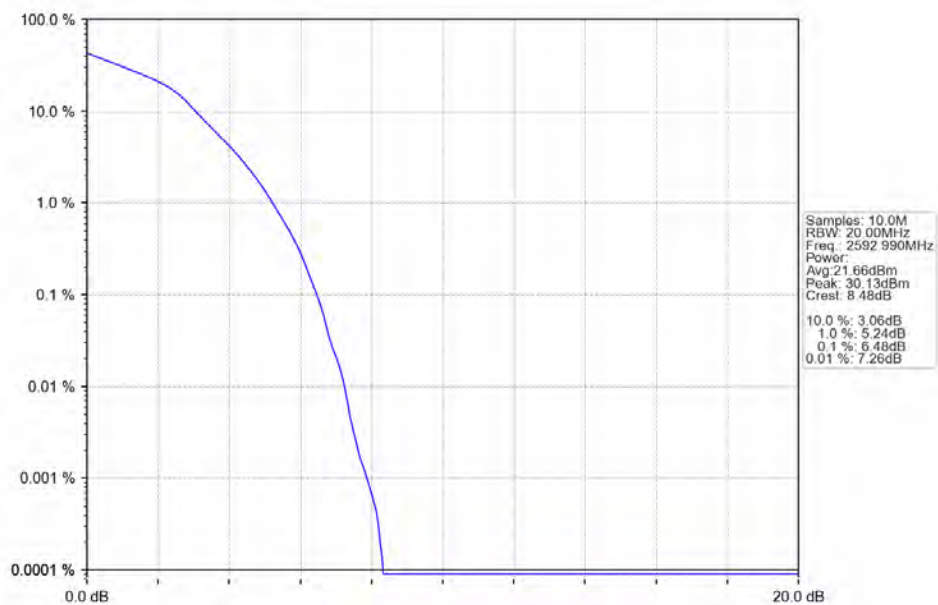
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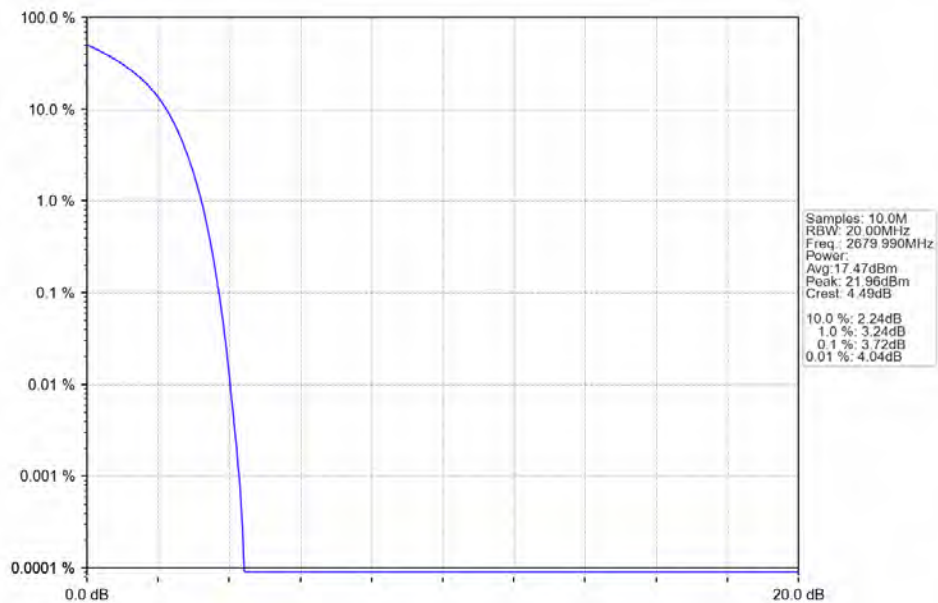
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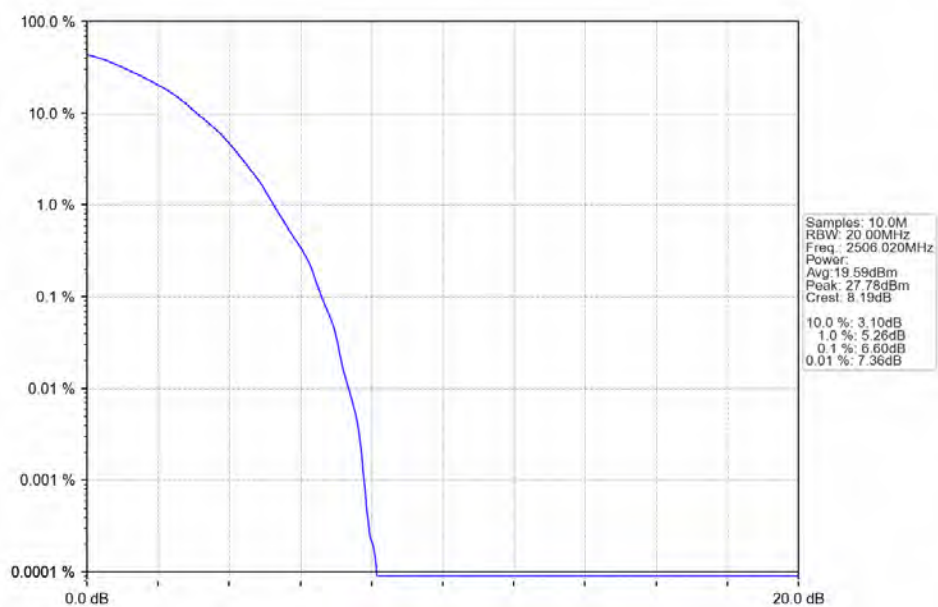
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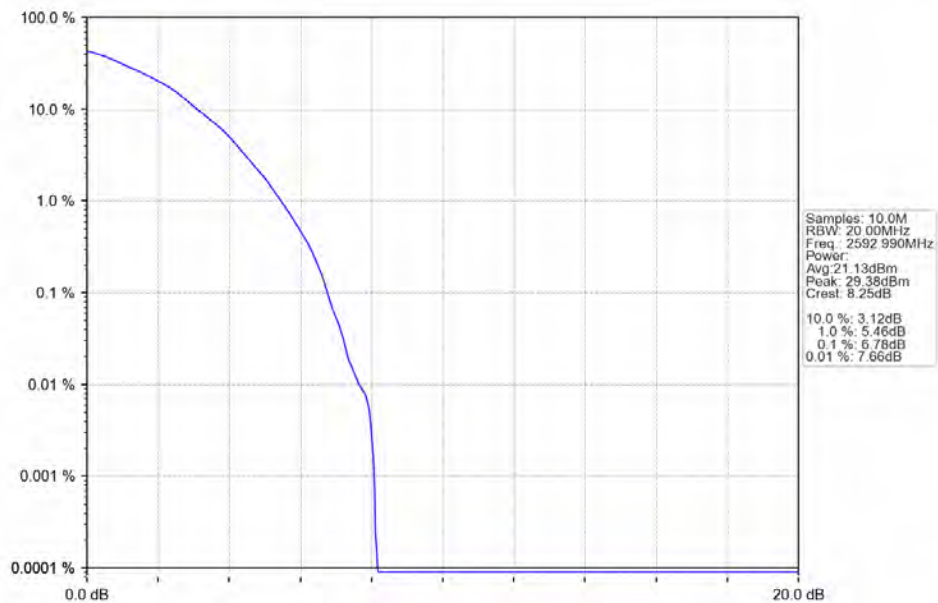
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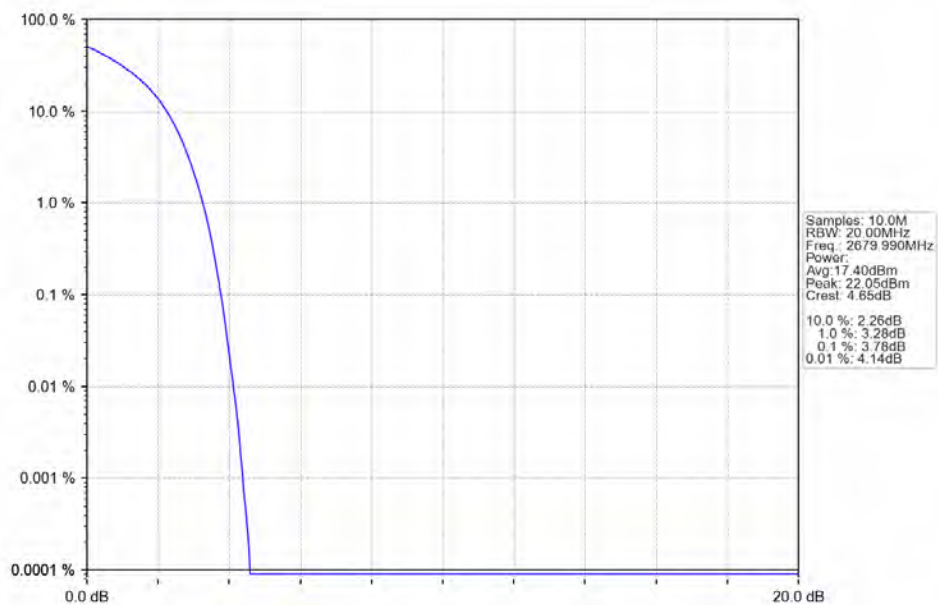
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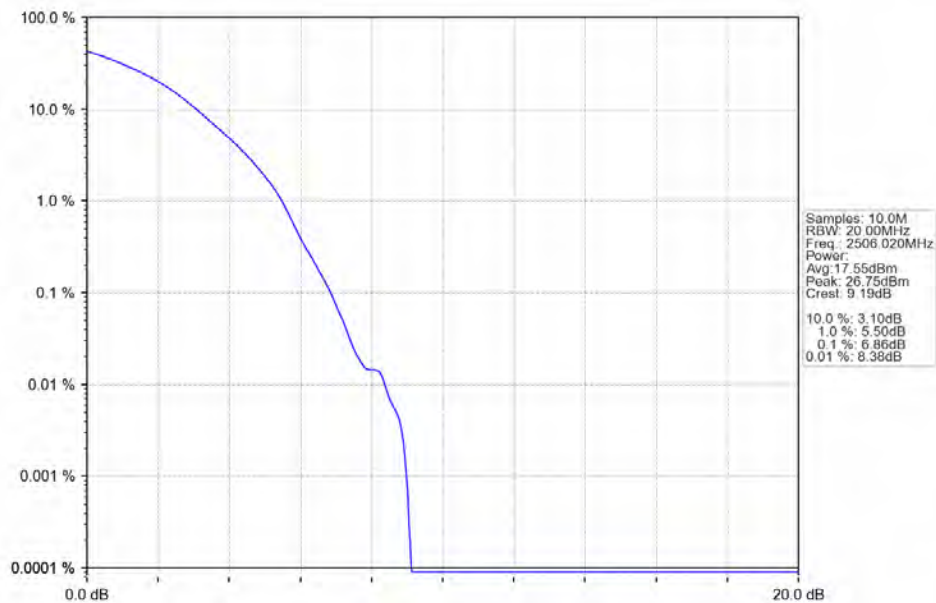
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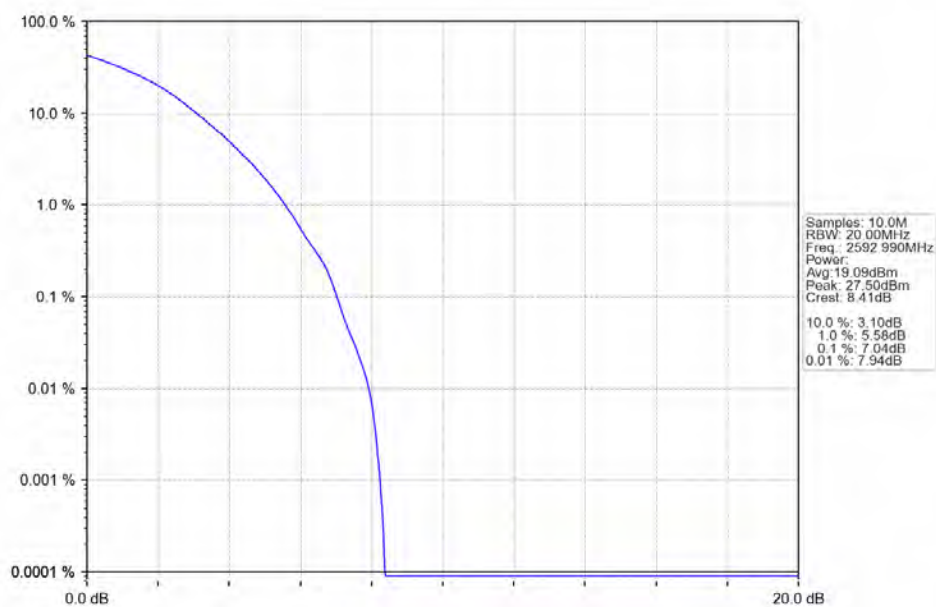
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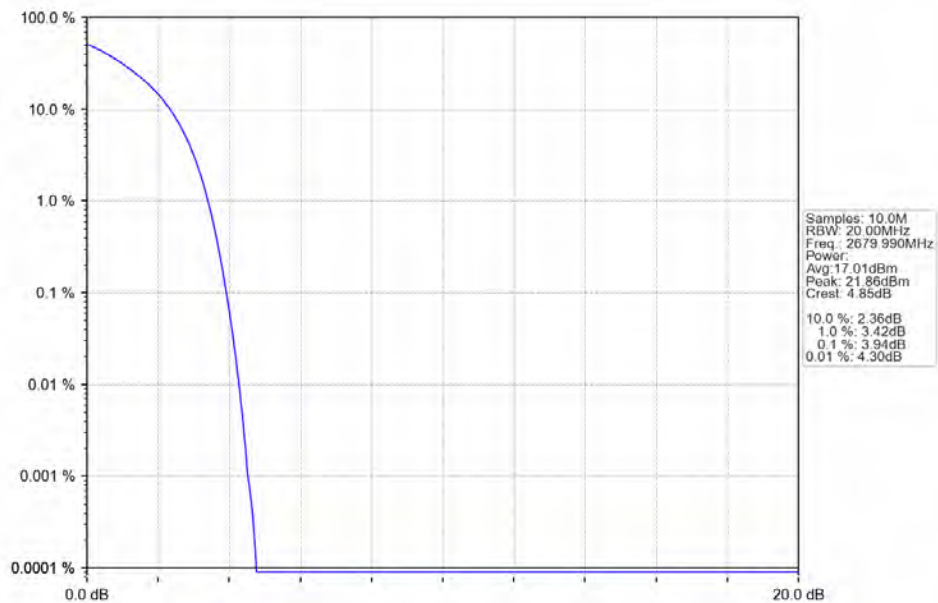
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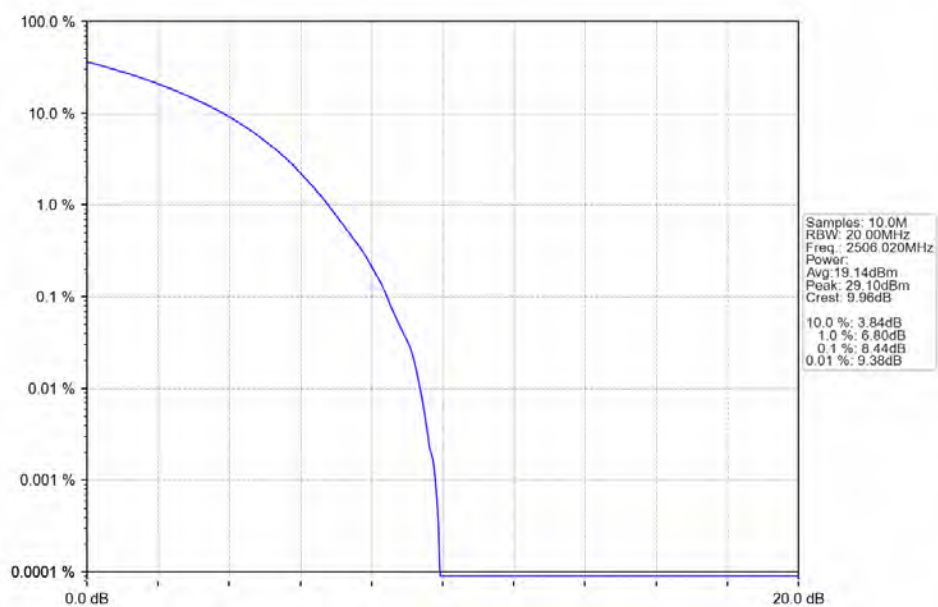
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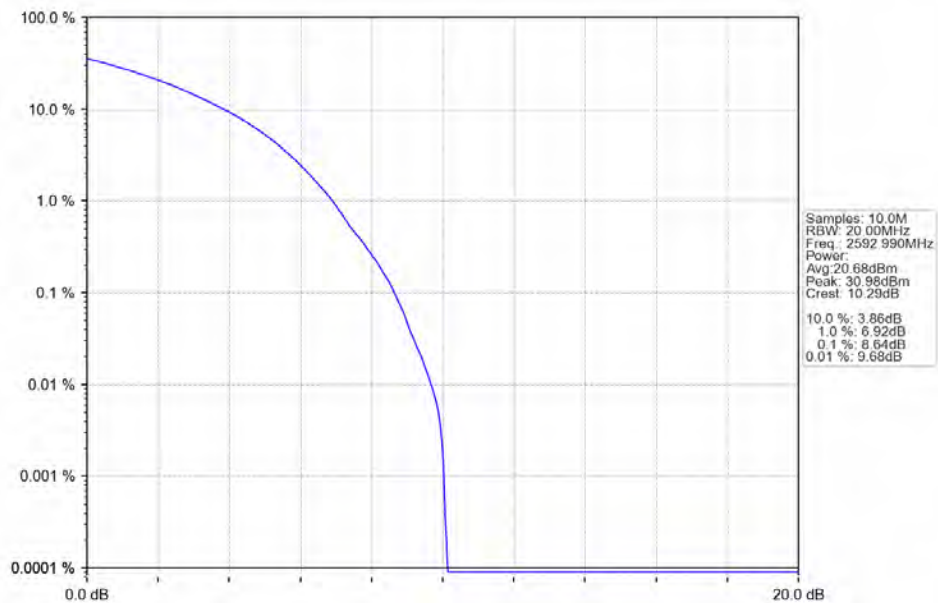
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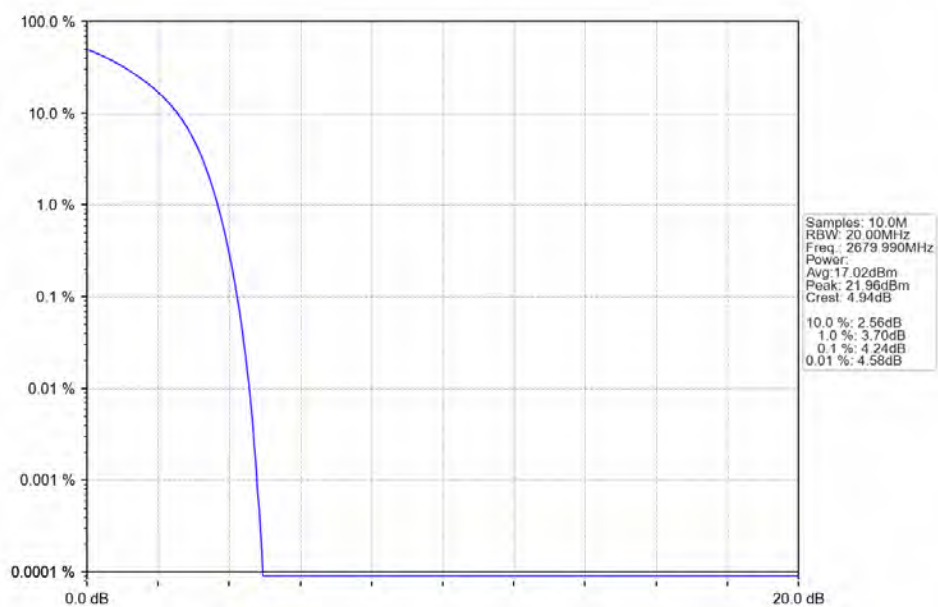
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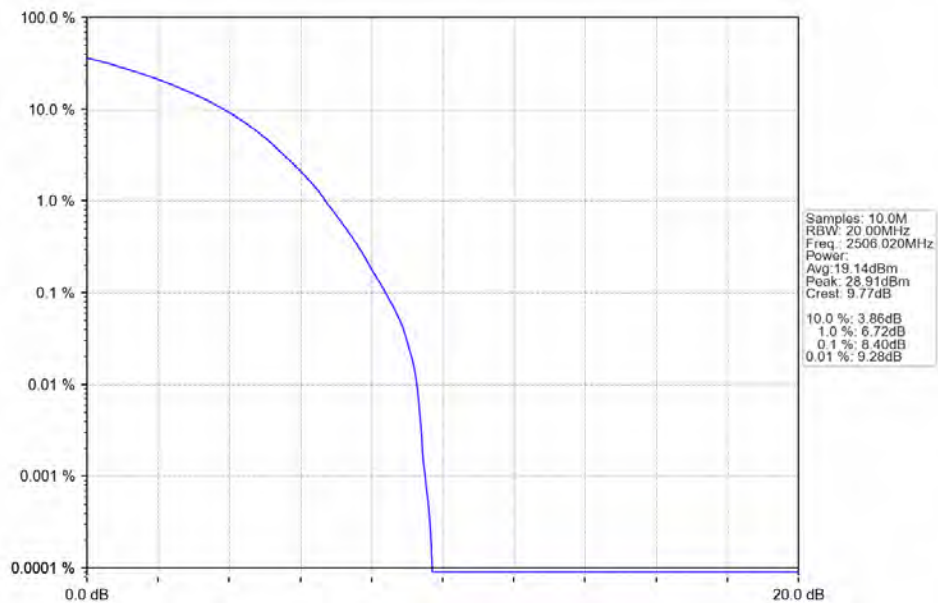
n41_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_2592.99MHz_Outer_Full_Ant1



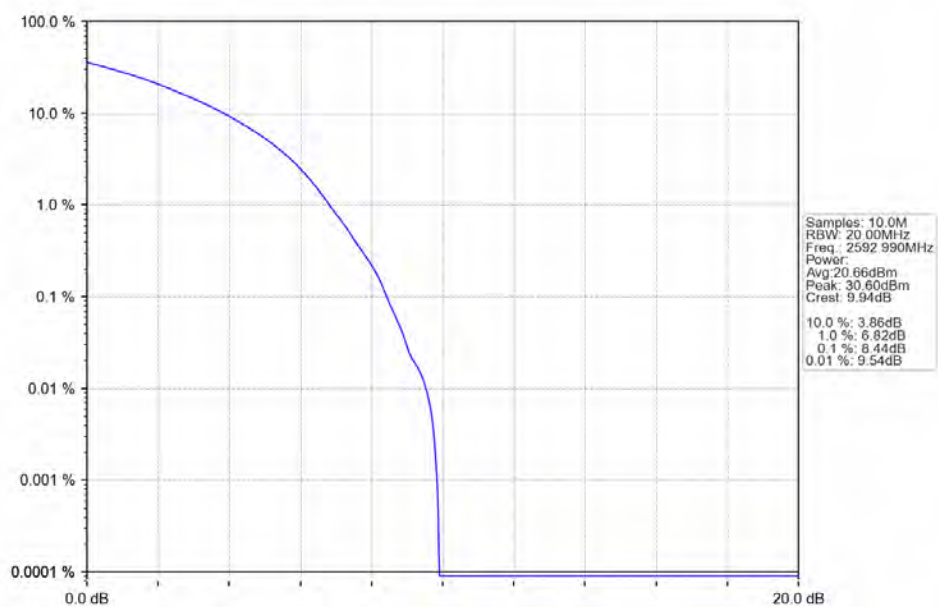
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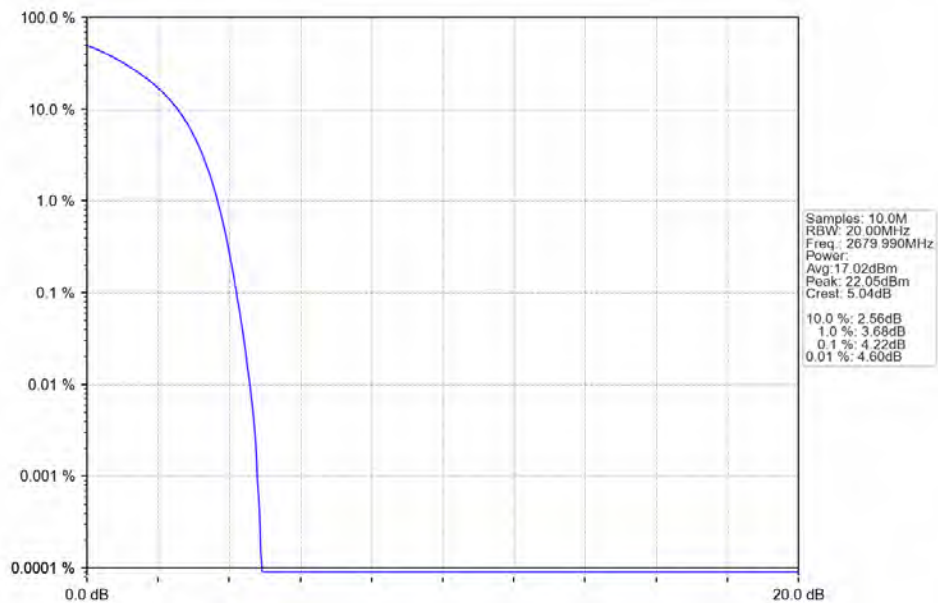
n41_30kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_2506.02MHz_Outer_Full_Ant1



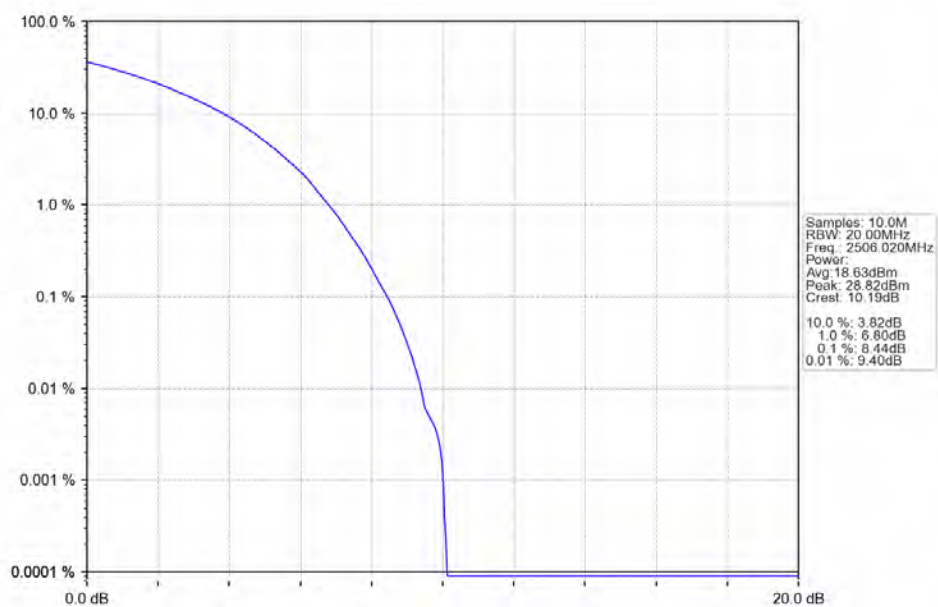
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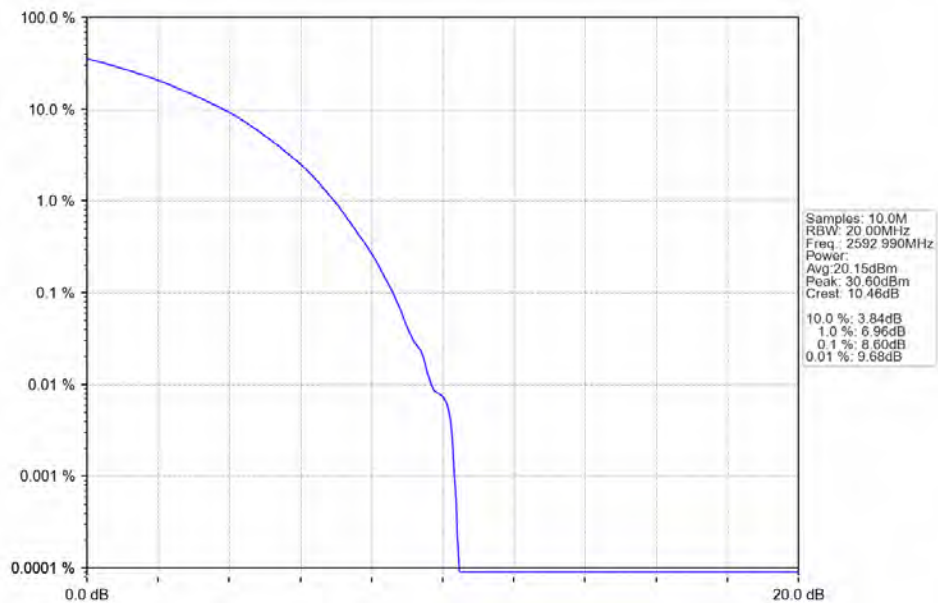
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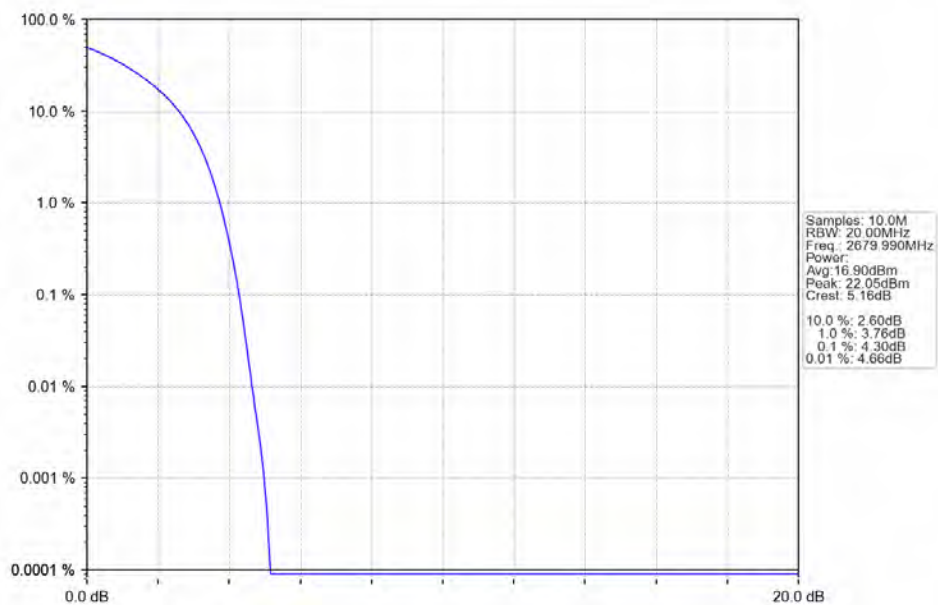
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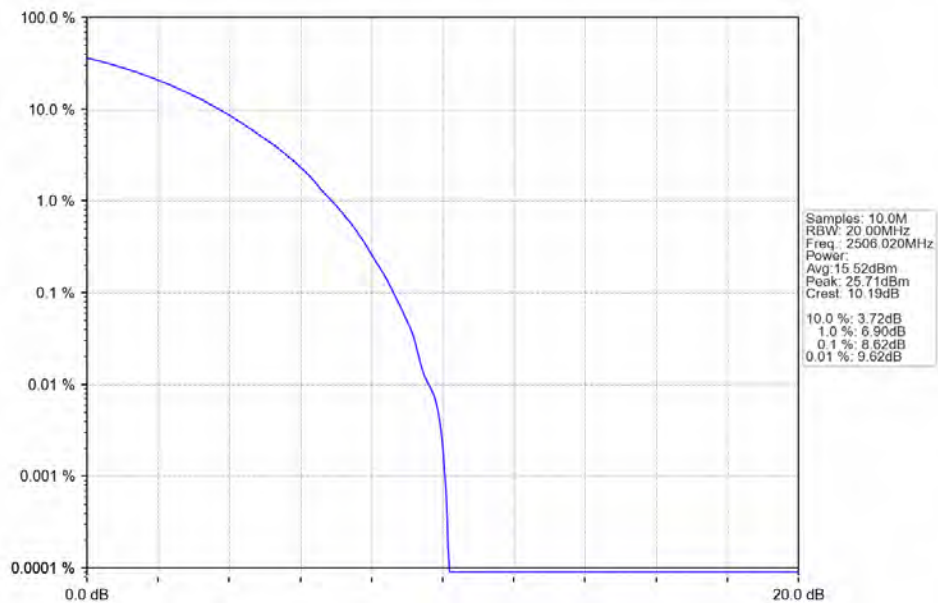
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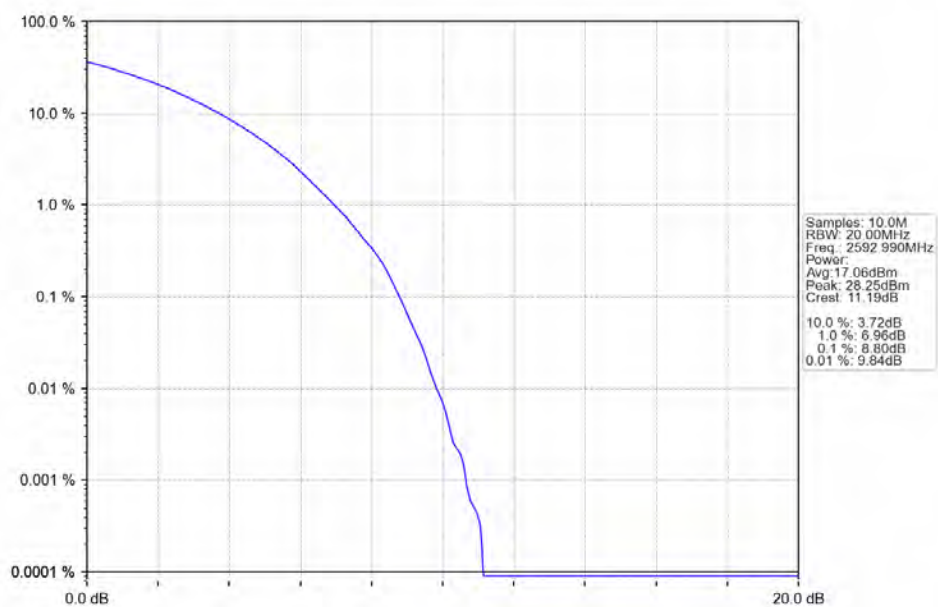
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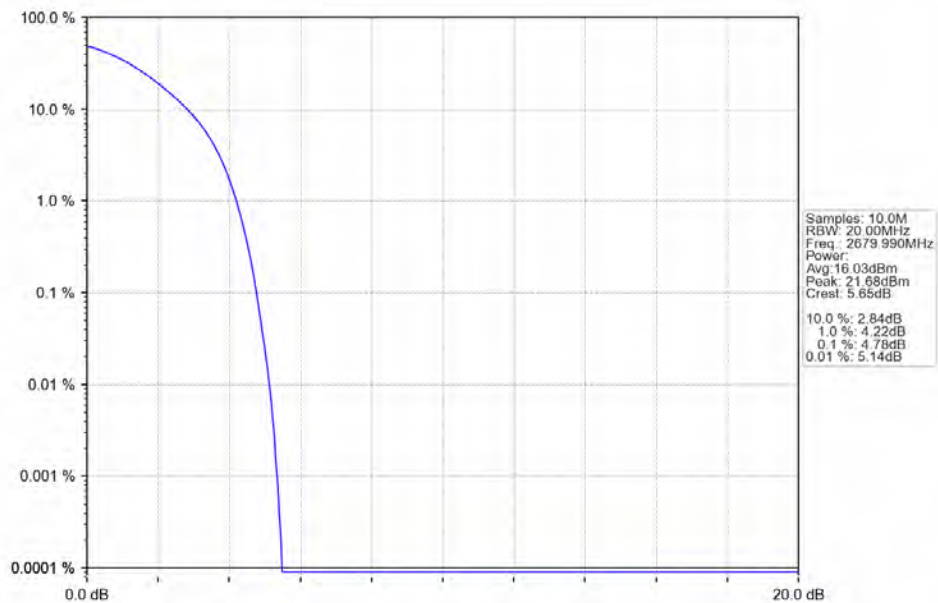
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n41_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full_Ant1

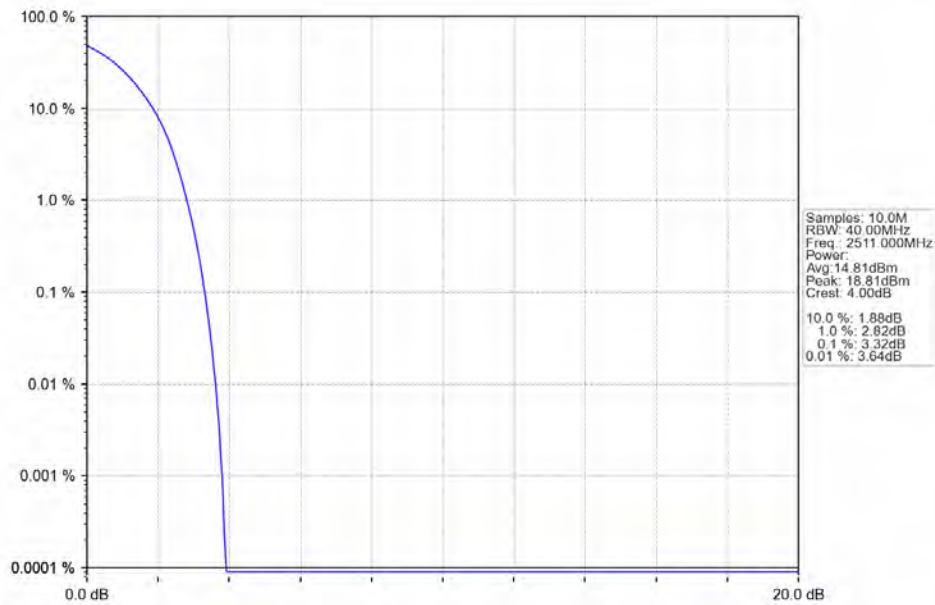


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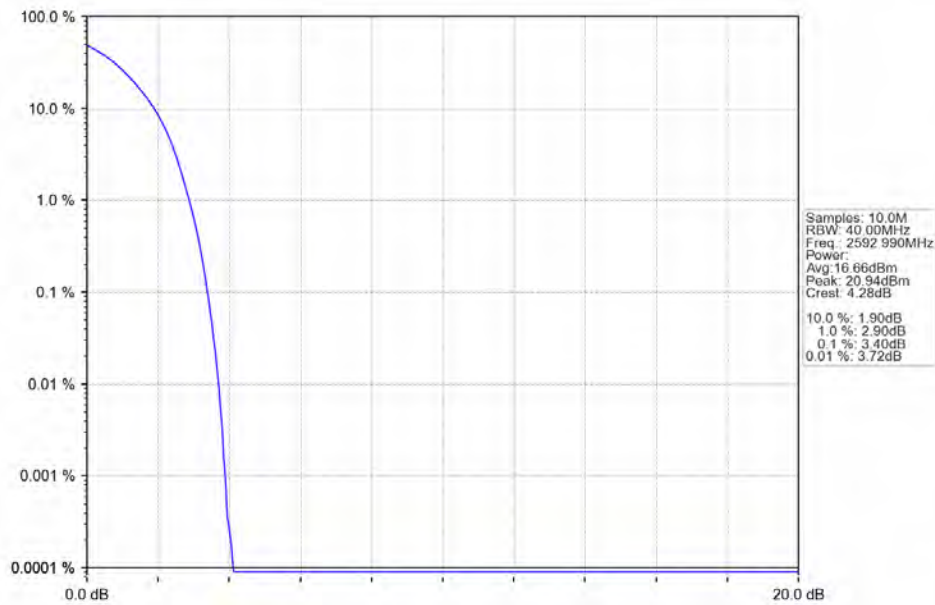


4.2.4 30k_SISO_30MHz_NTNV

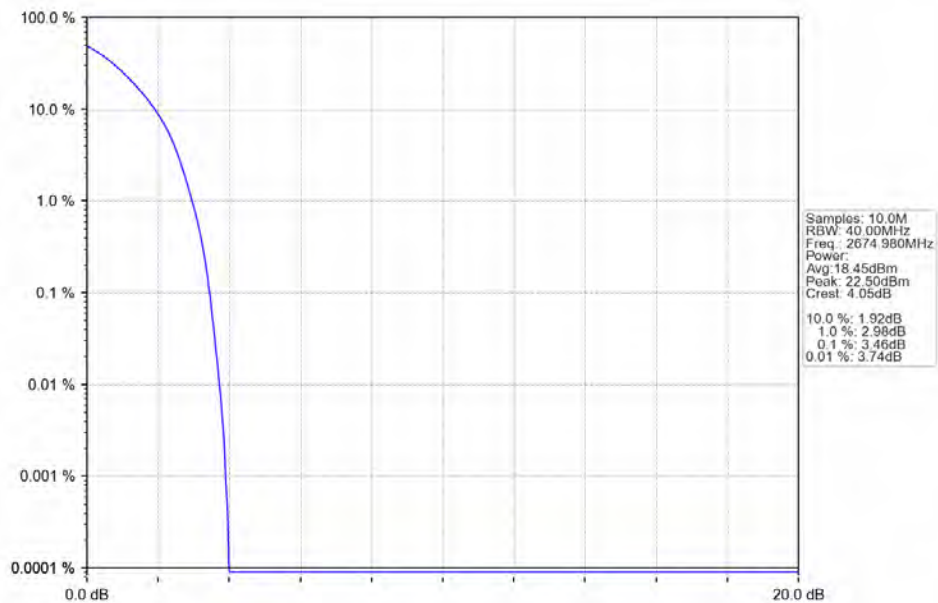
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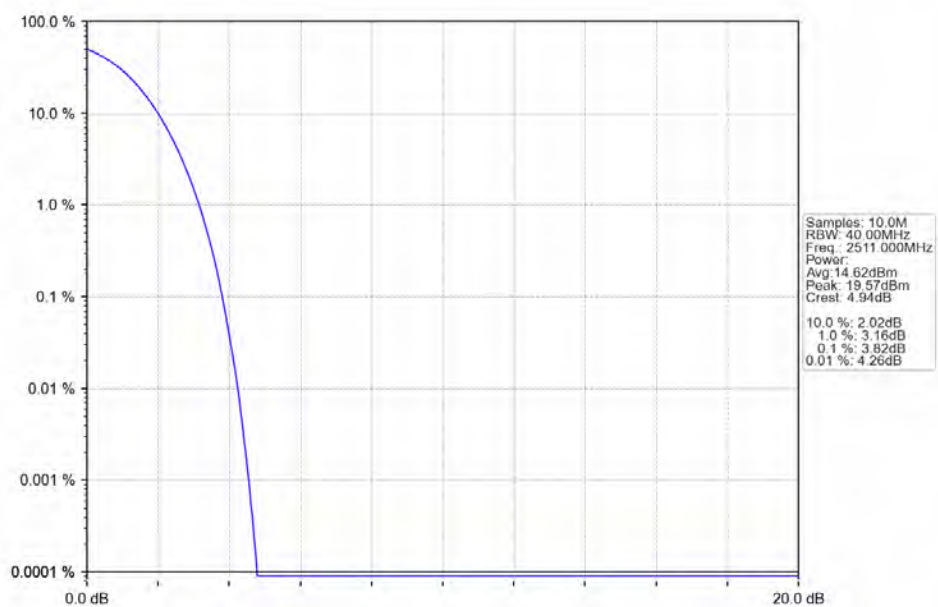
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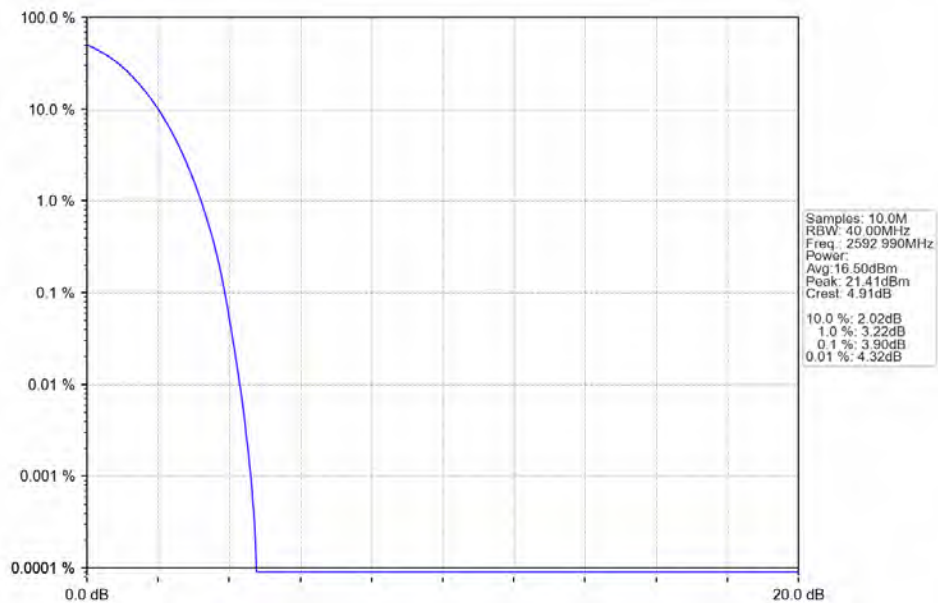
n41_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_PI/2_BPSK_2674.98MHz_Outer_Full_Ant1



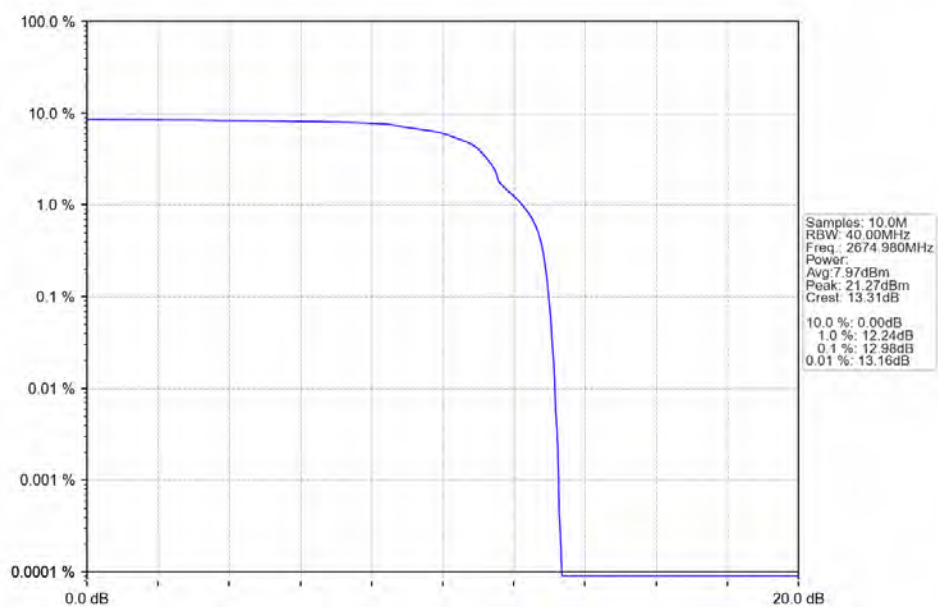
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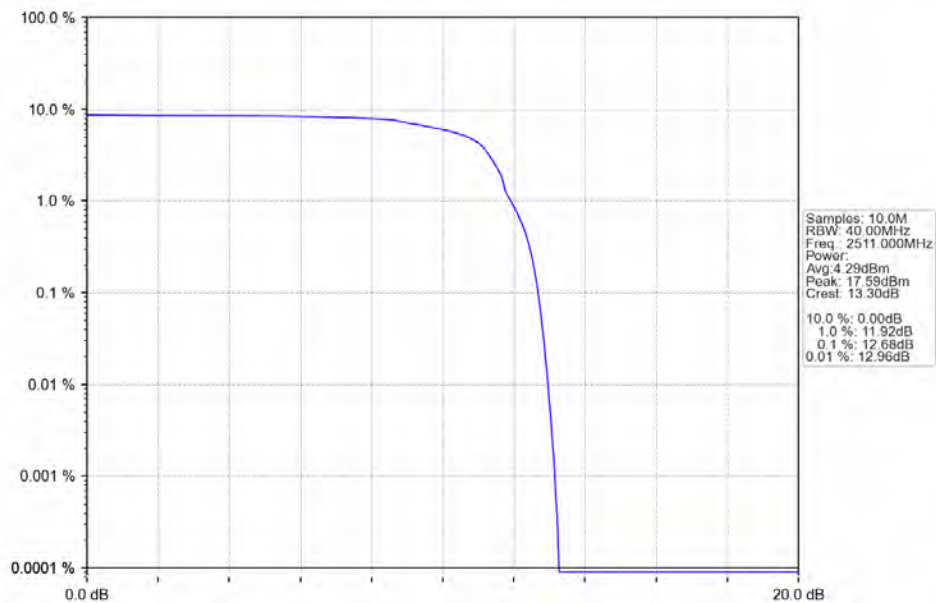
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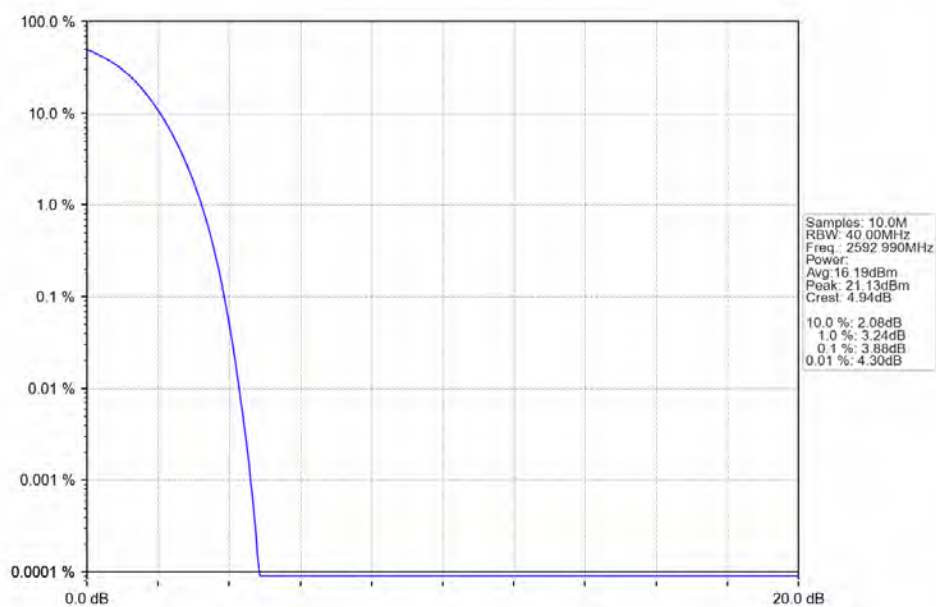
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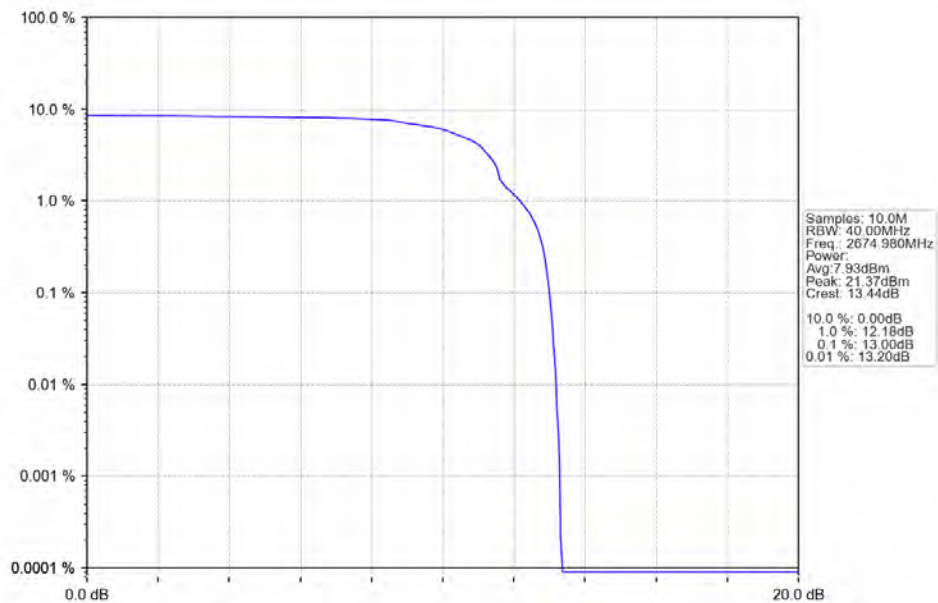
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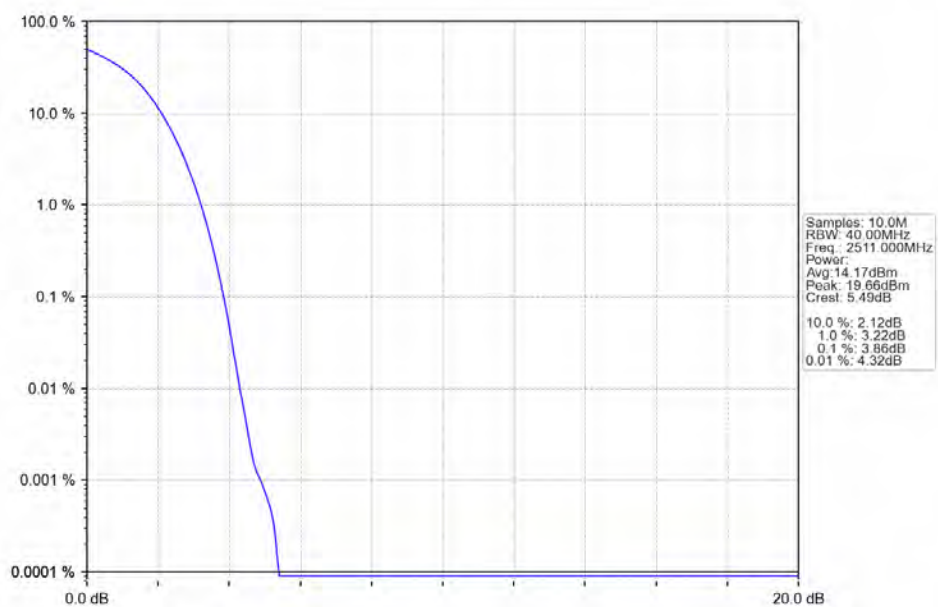
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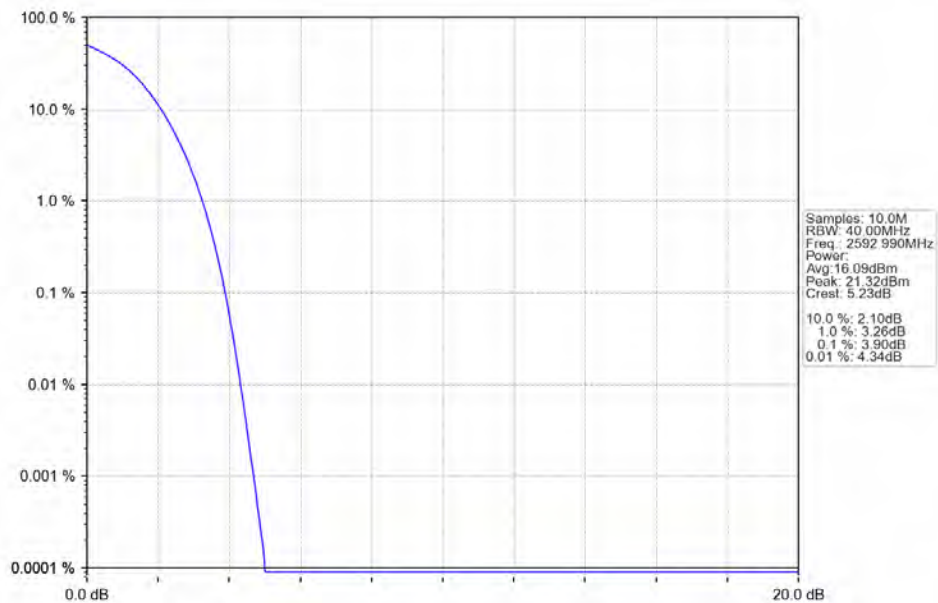
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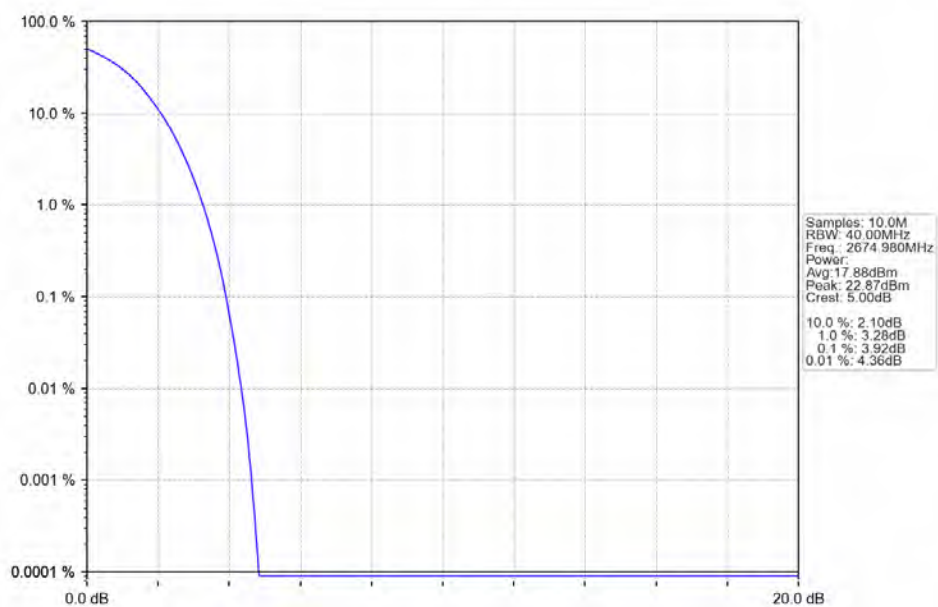
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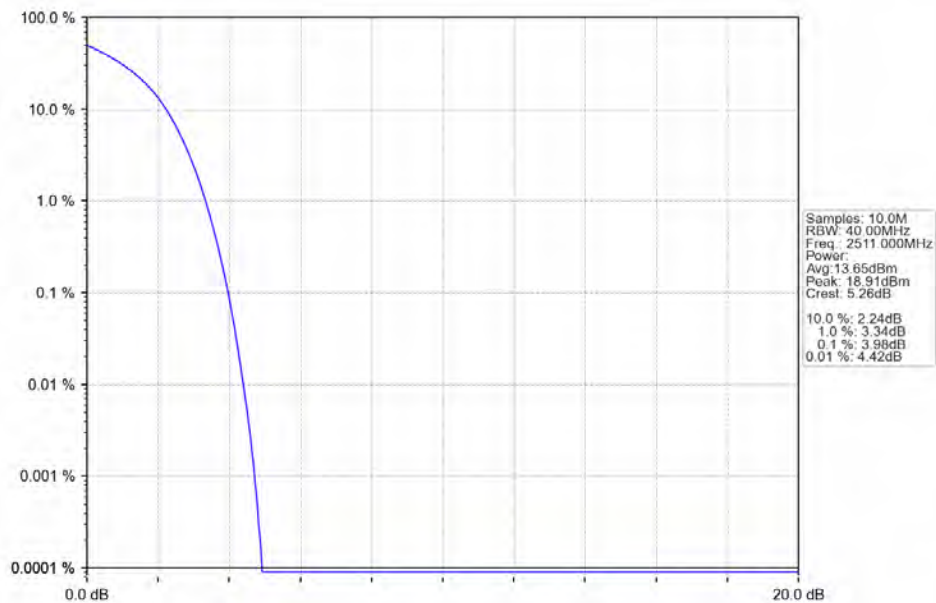
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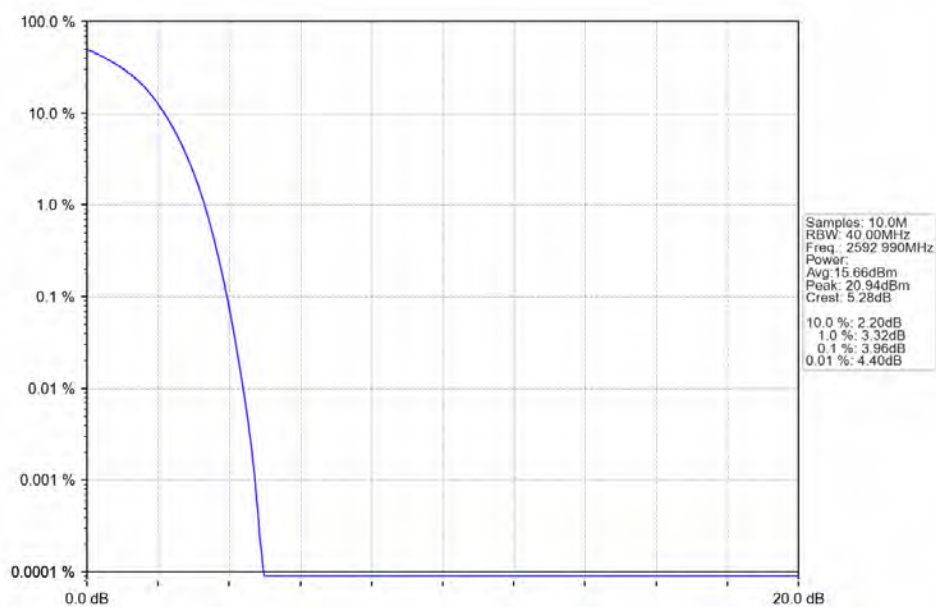
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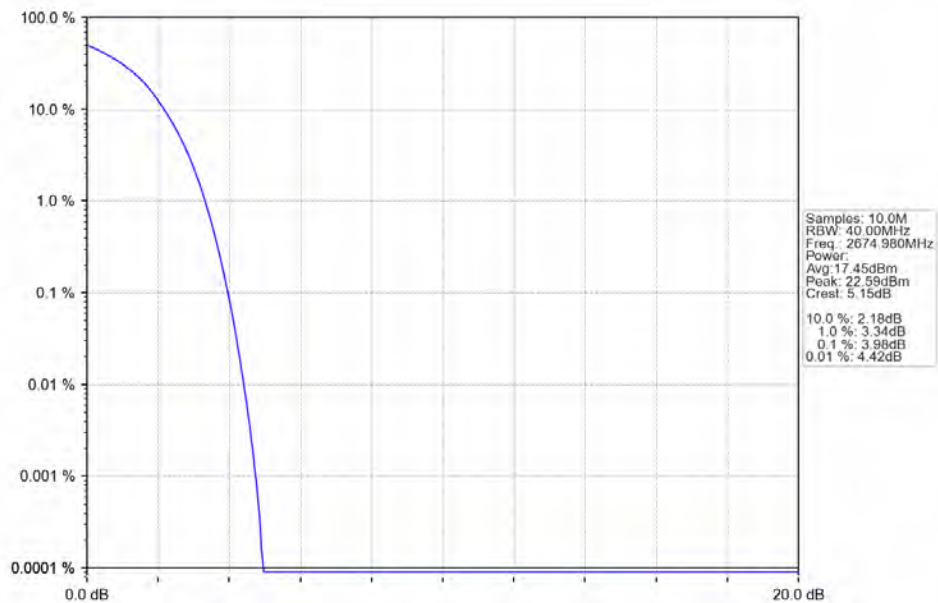
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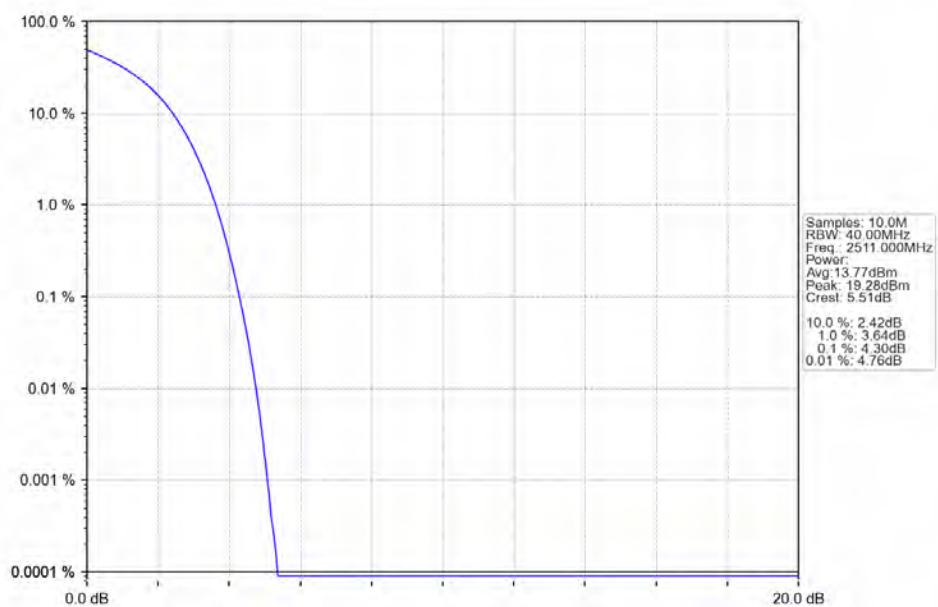
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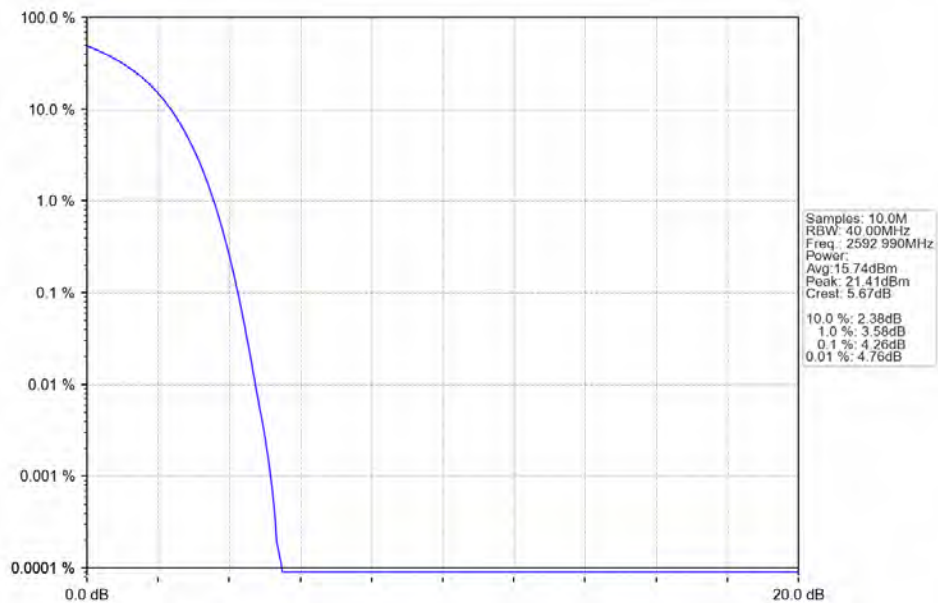
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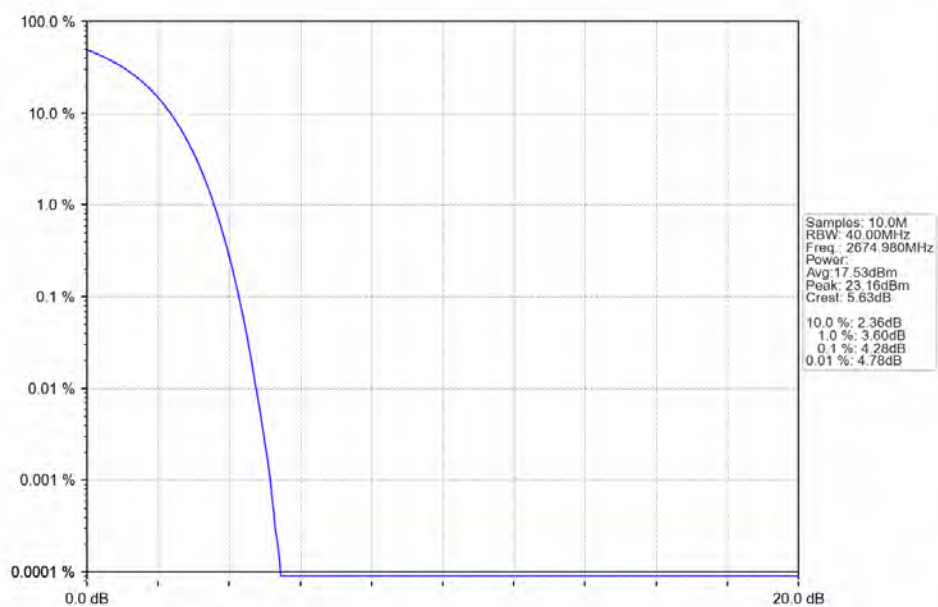
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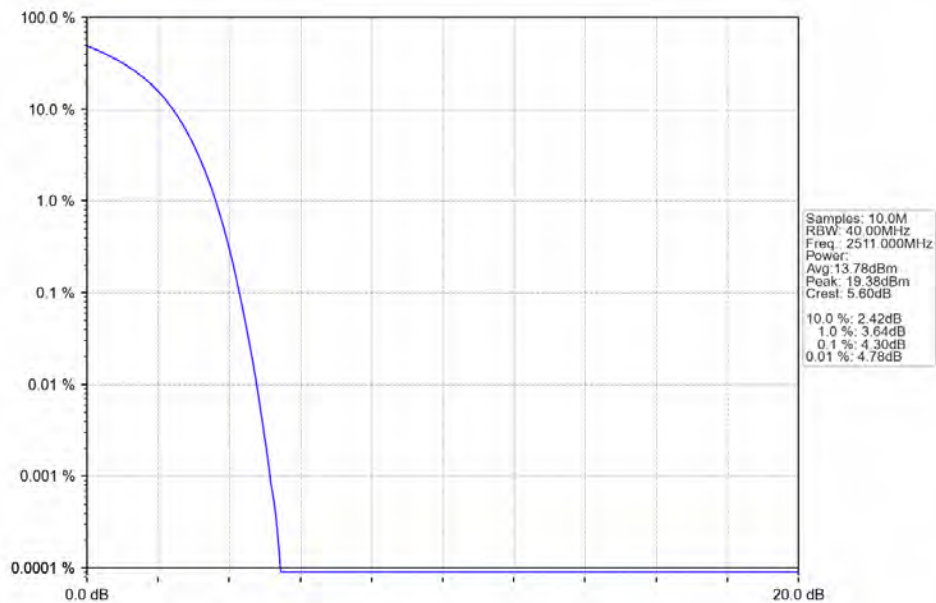
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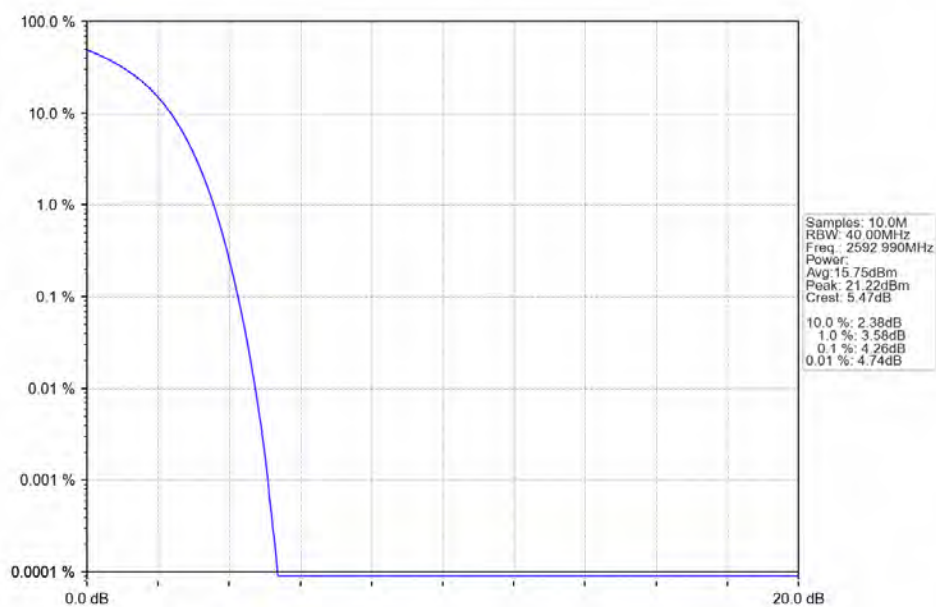
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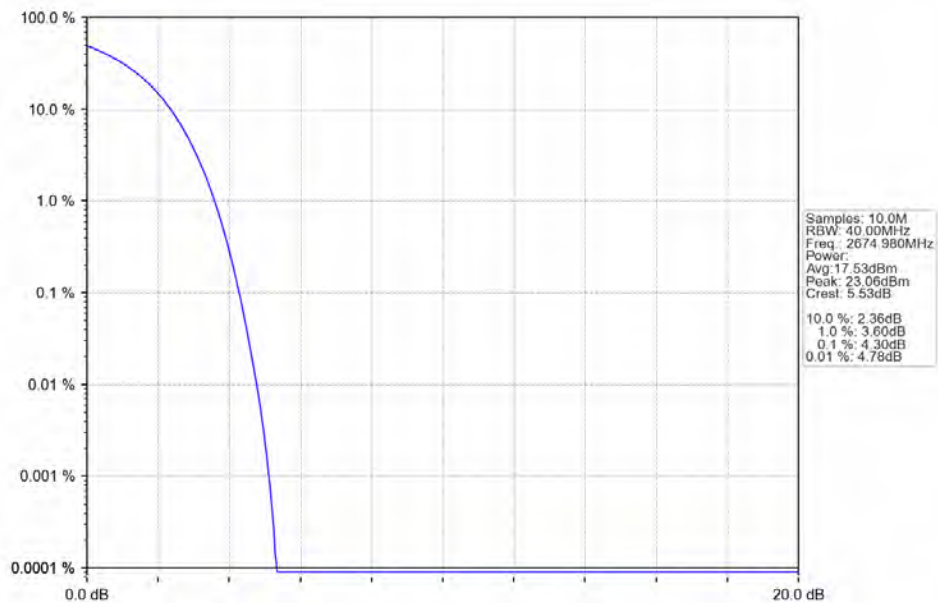
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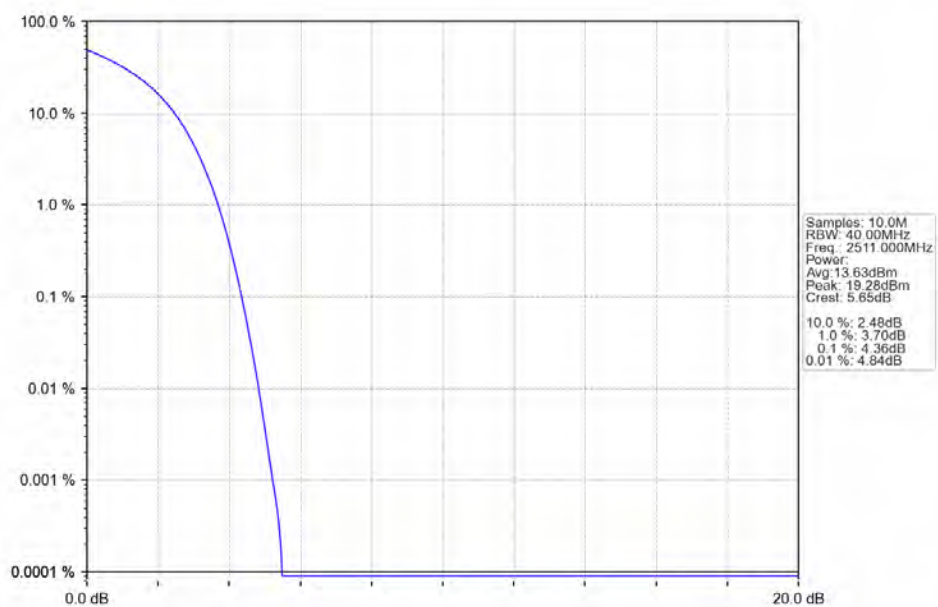
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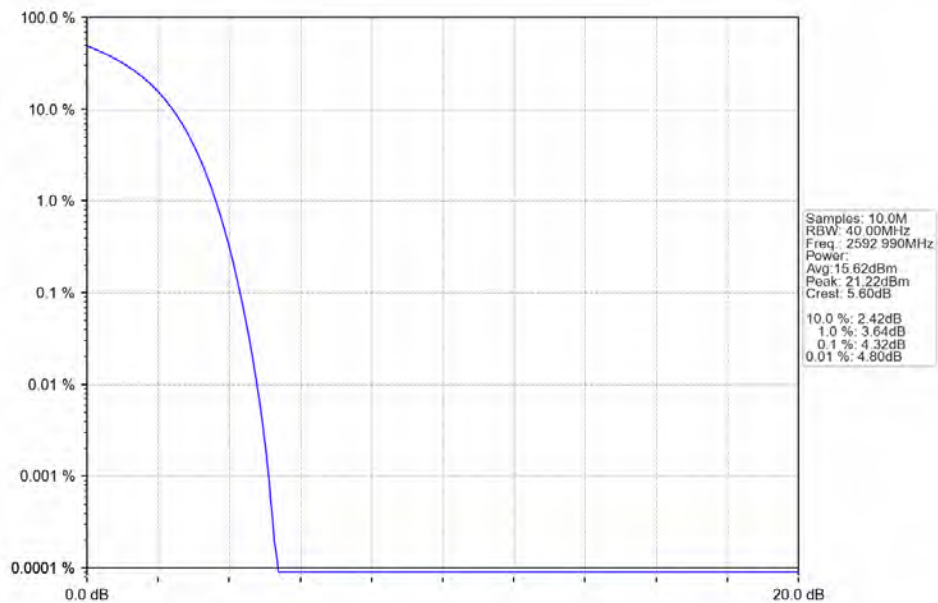
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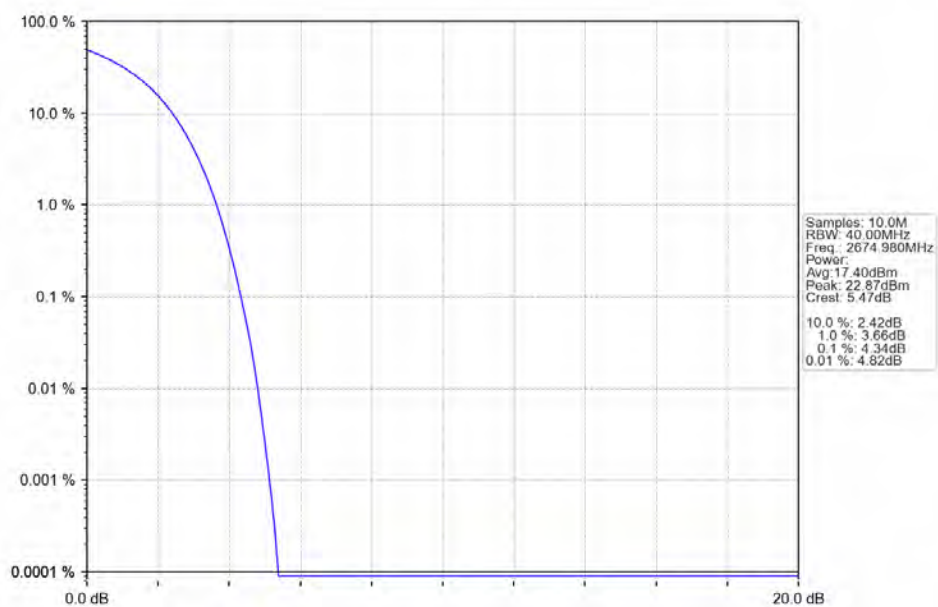
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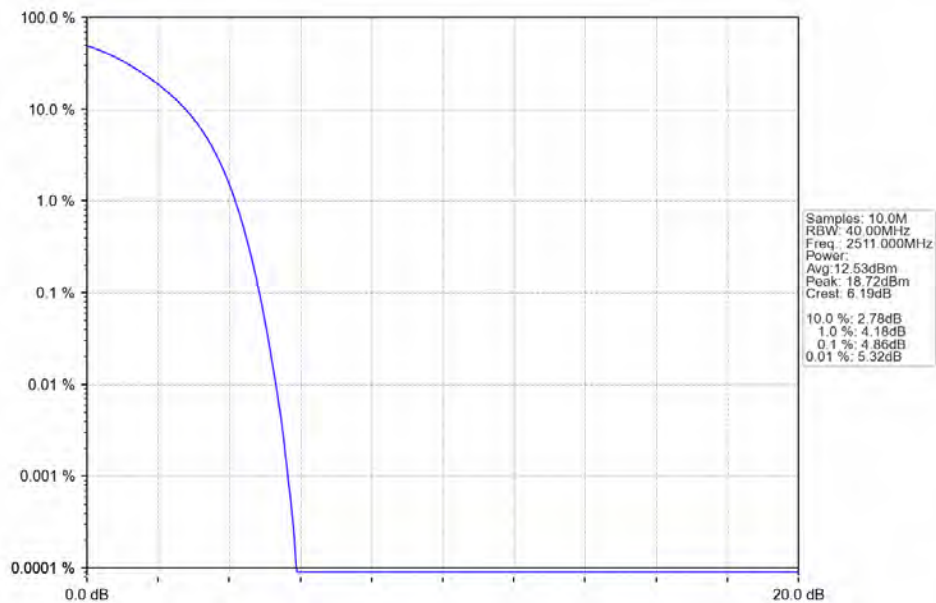
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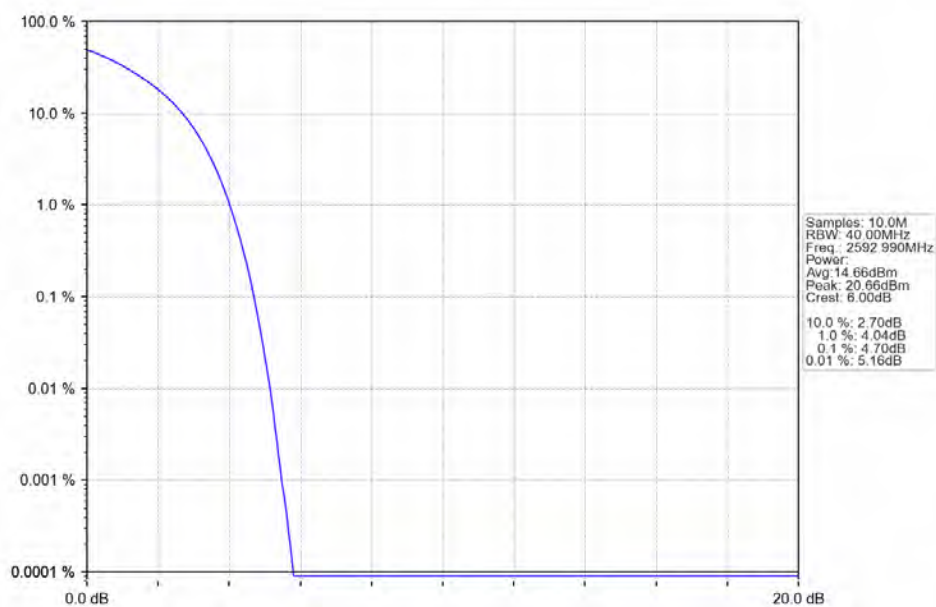
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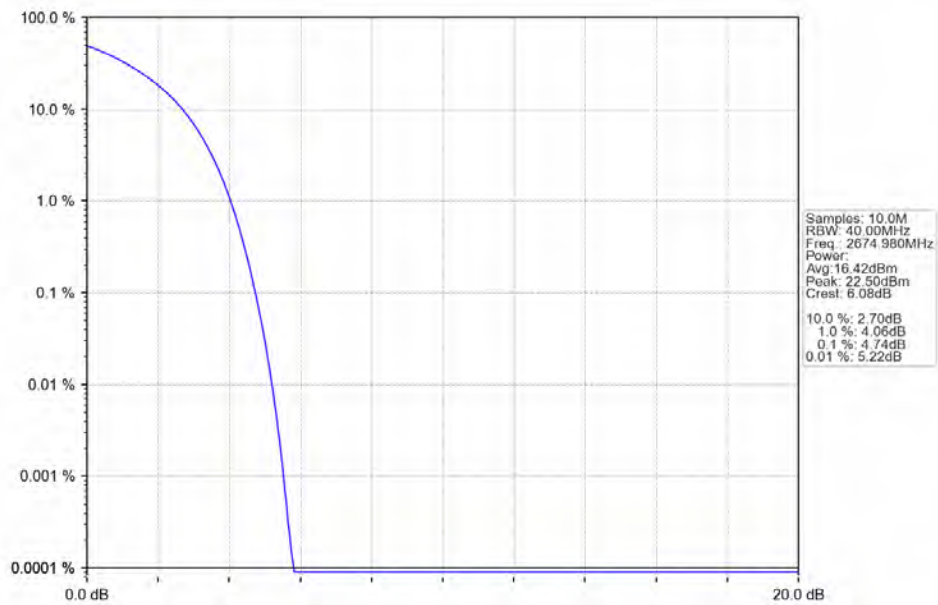
n41_30kHz_SISO_NTNV_30MHz_CP-OFDM_256_QAM_2511MHz_Outer_Full_Ant1



n41_30kHz_SISO_NTNV_30MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full_Ant1

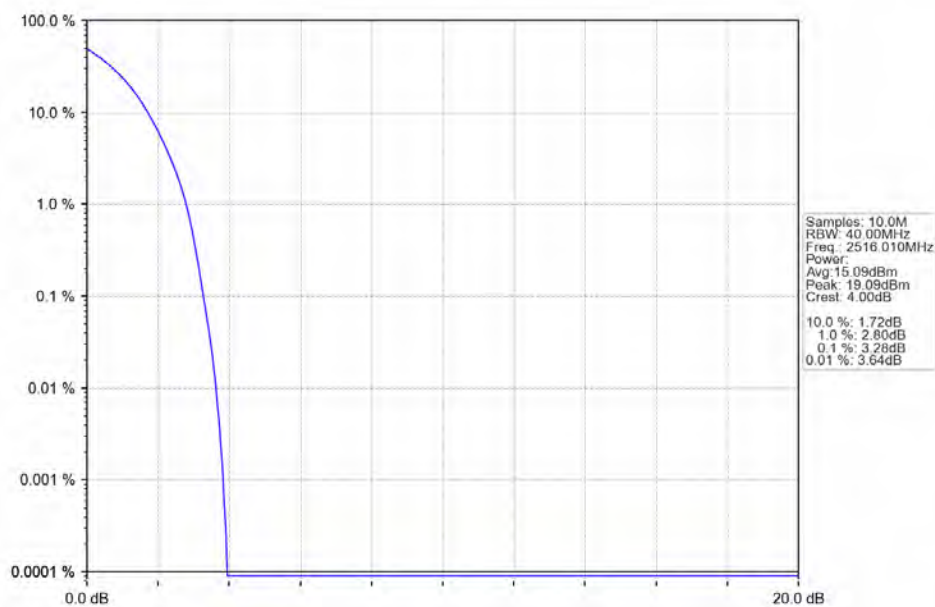


n41_30kHz_SISO_NTNV_30MHz_CP-OFDM_256_QAM_2674.98MHz_Outer_Full_Ant1

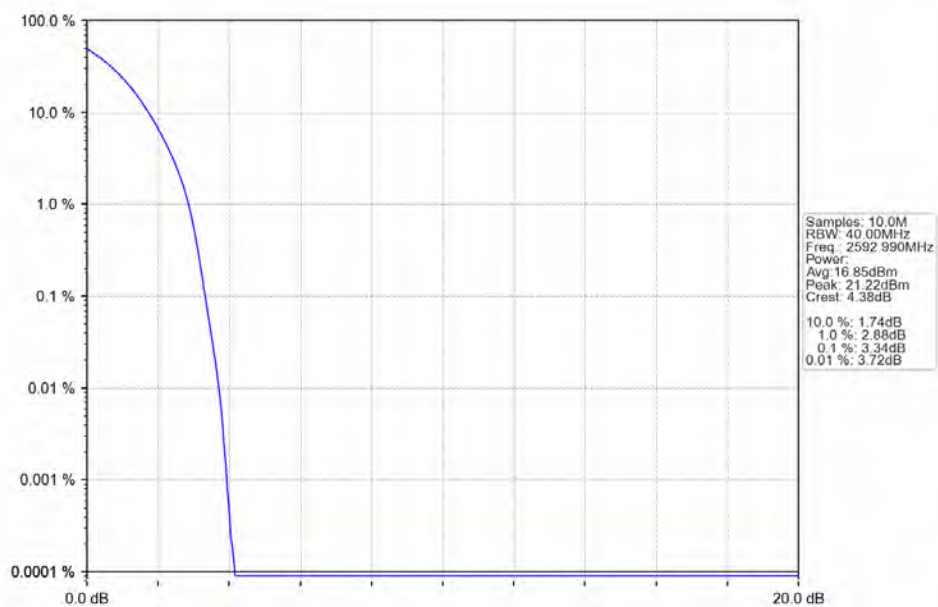


4.2.5 30k_SISO_40MHz_NTNV

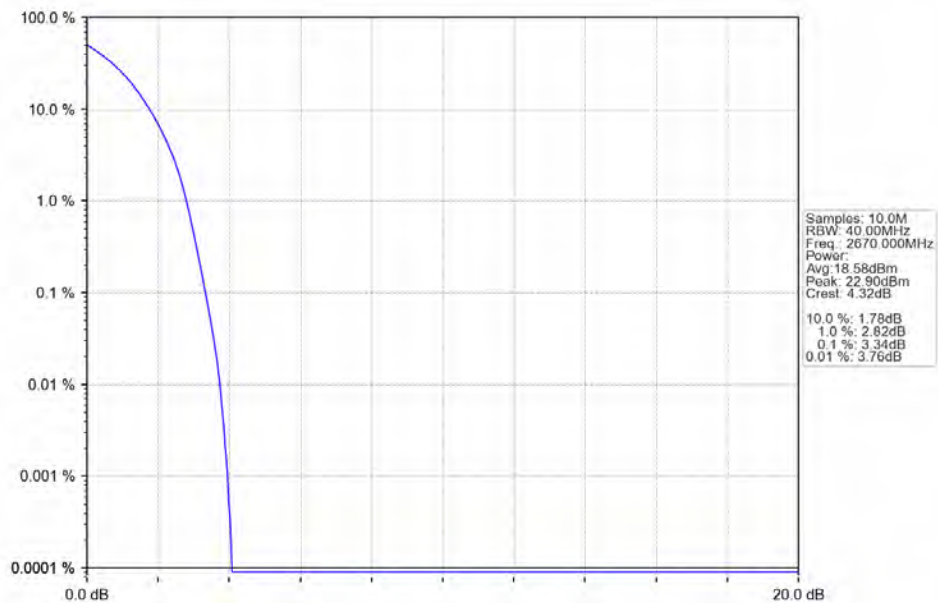
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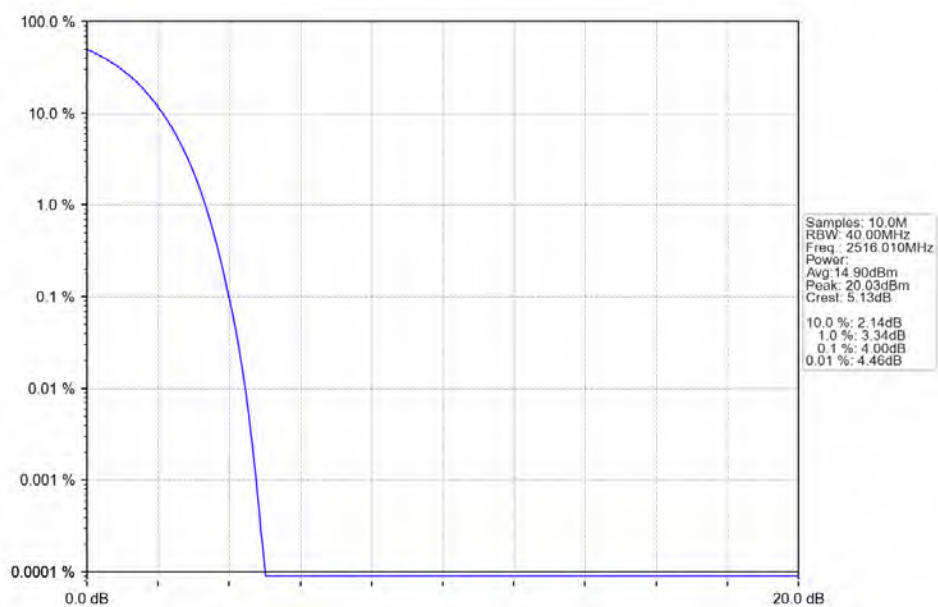
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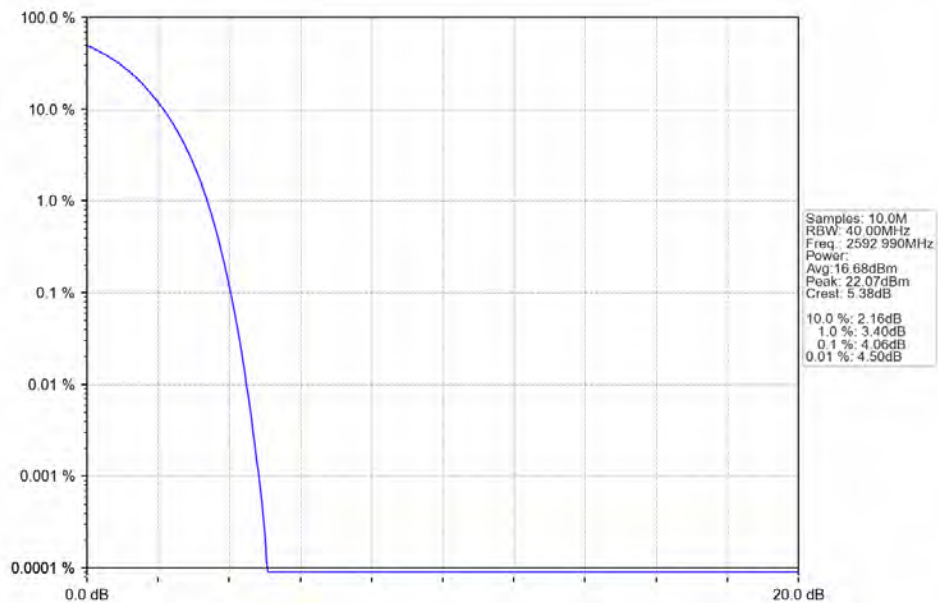
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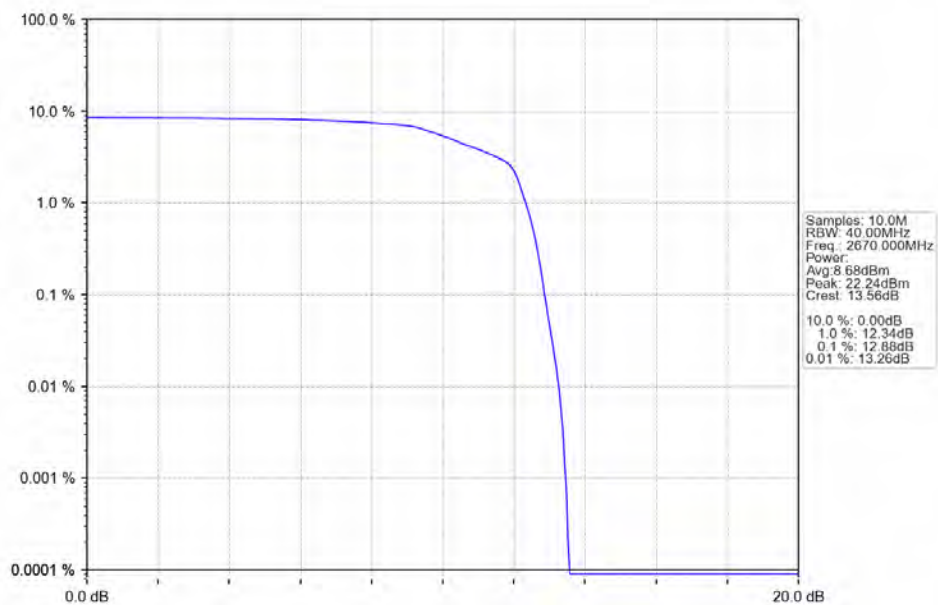
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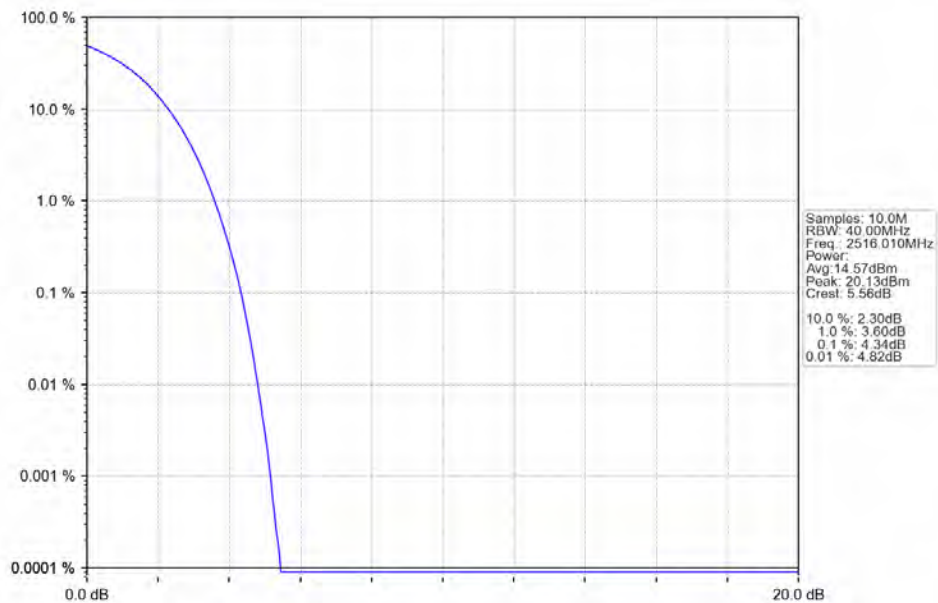
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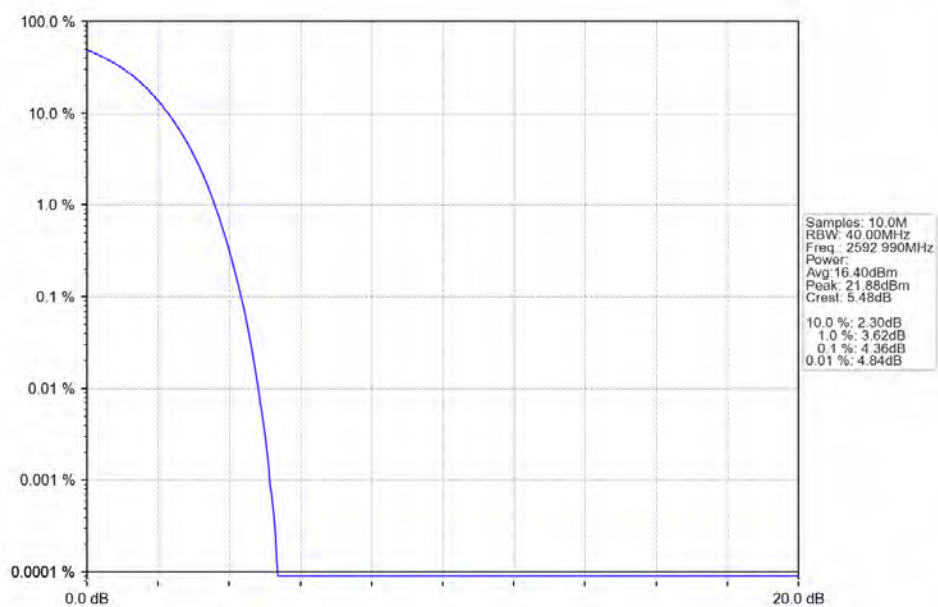
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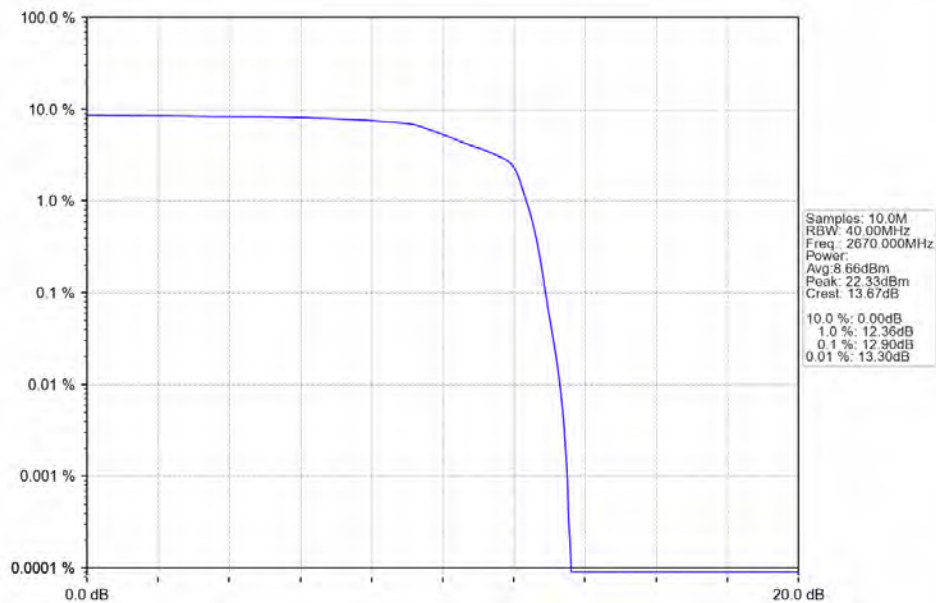
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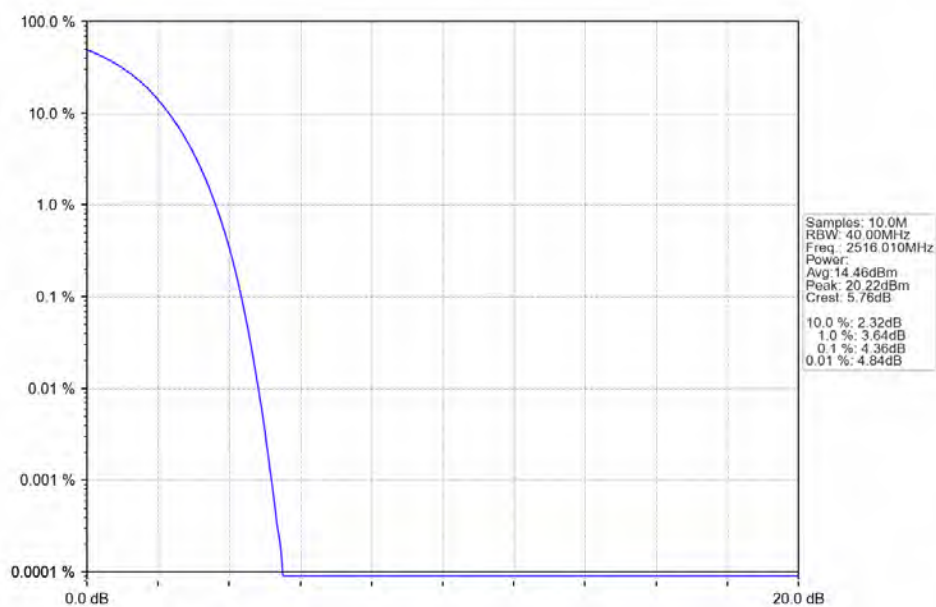
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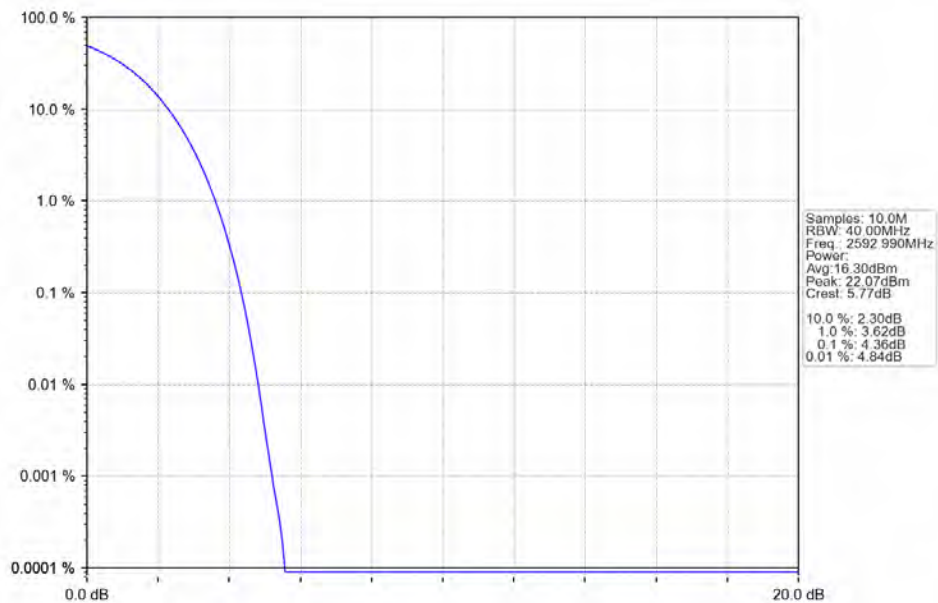
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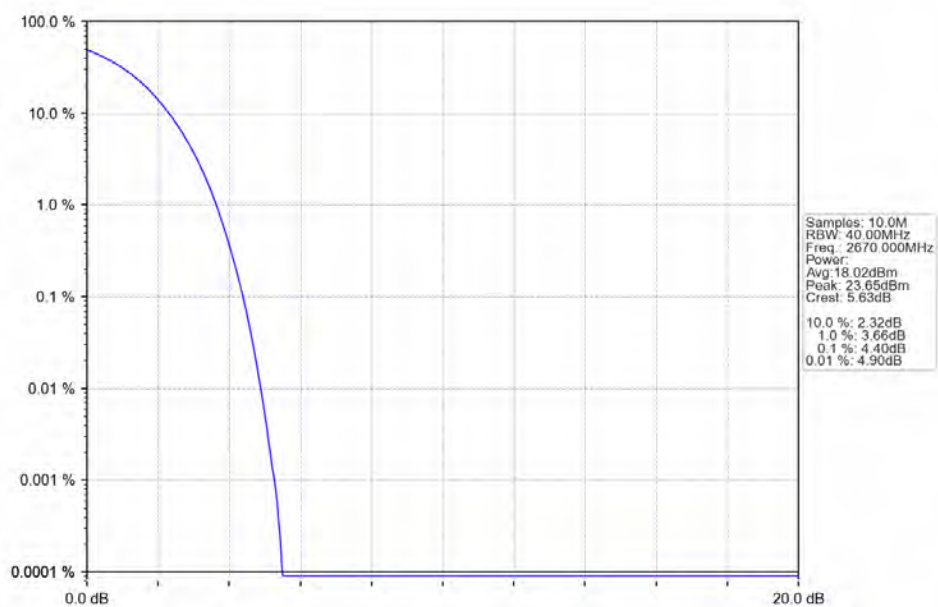
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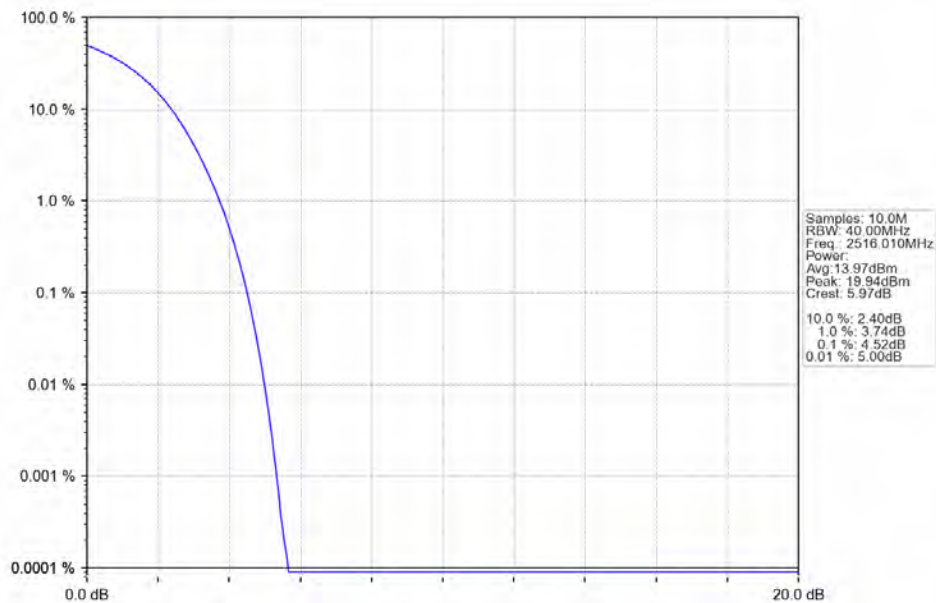
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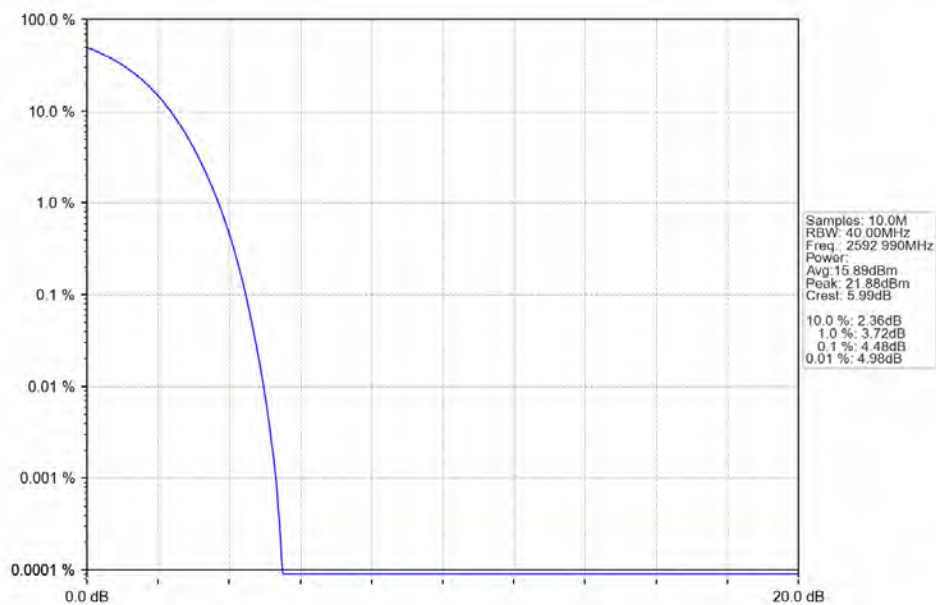
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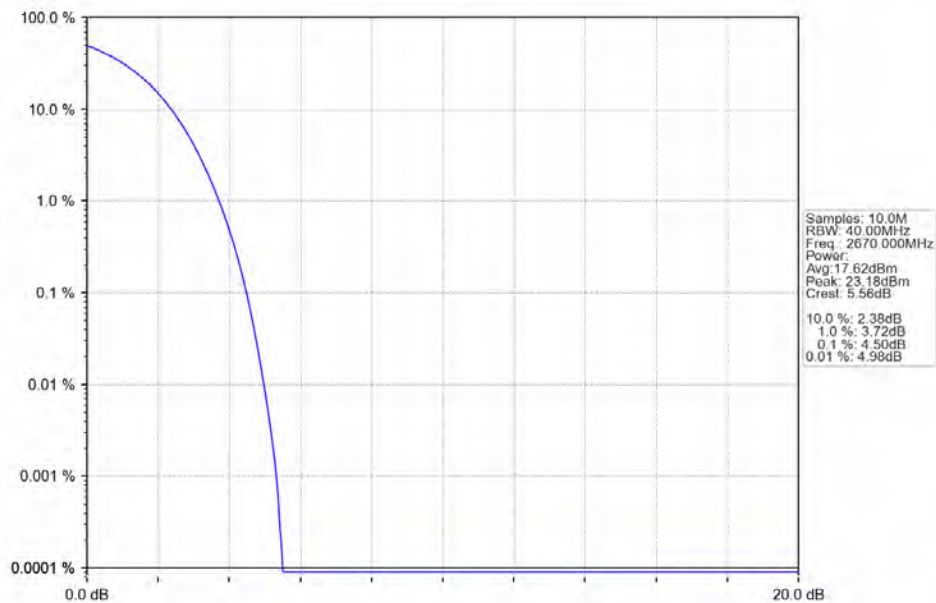
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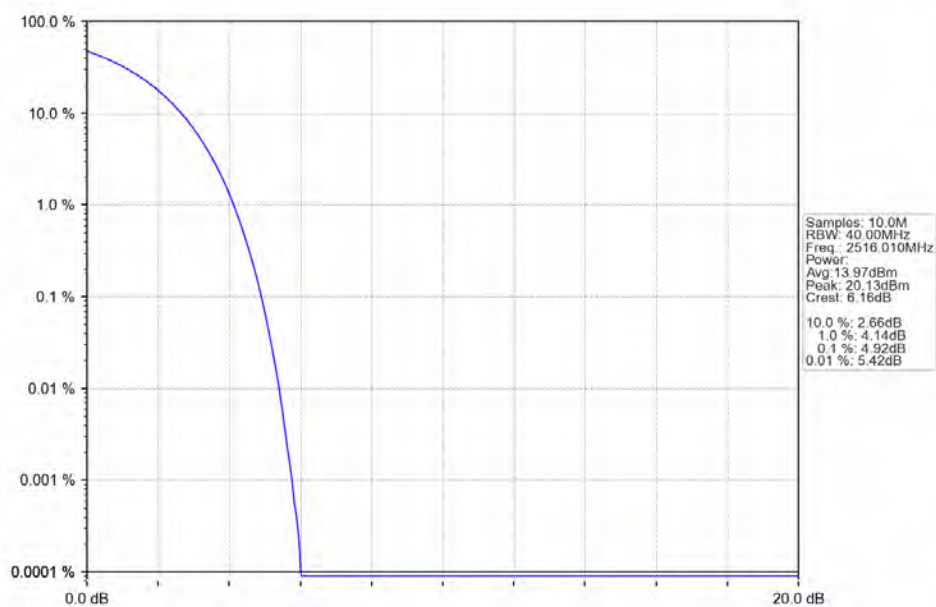
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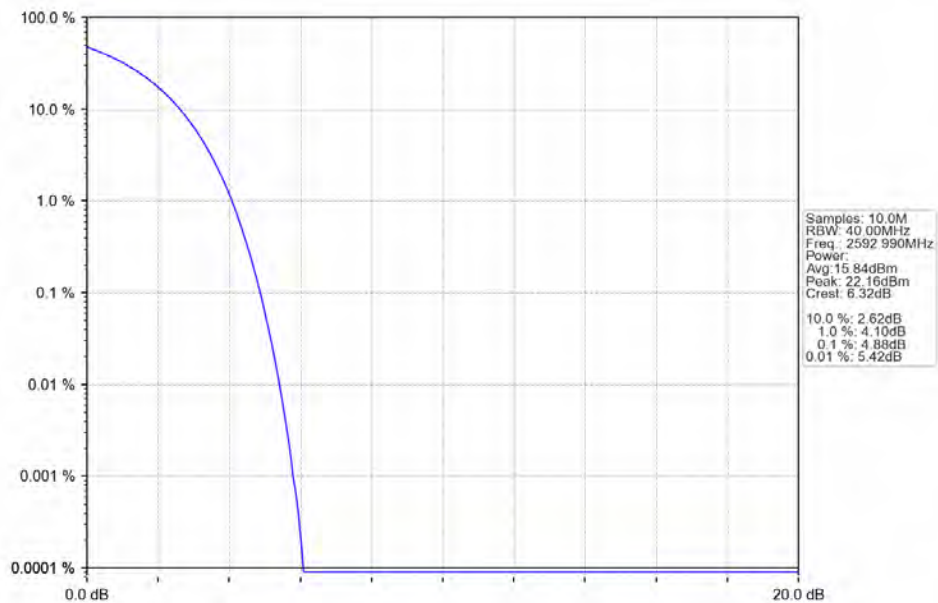
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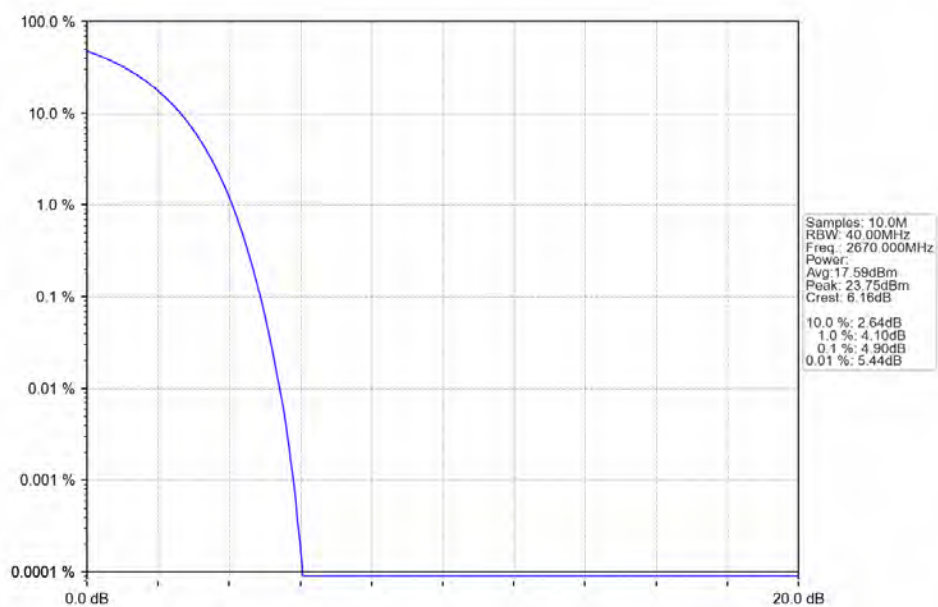
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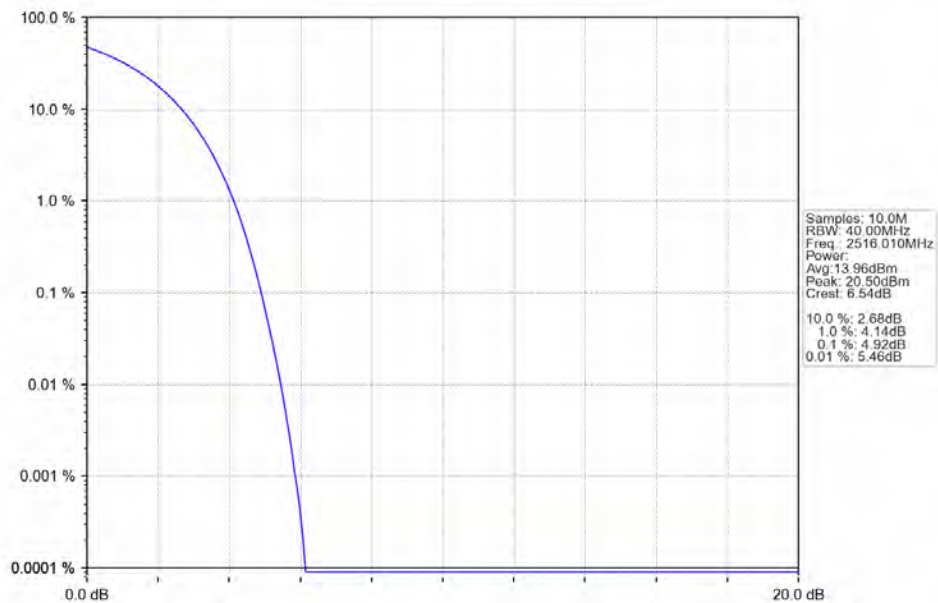
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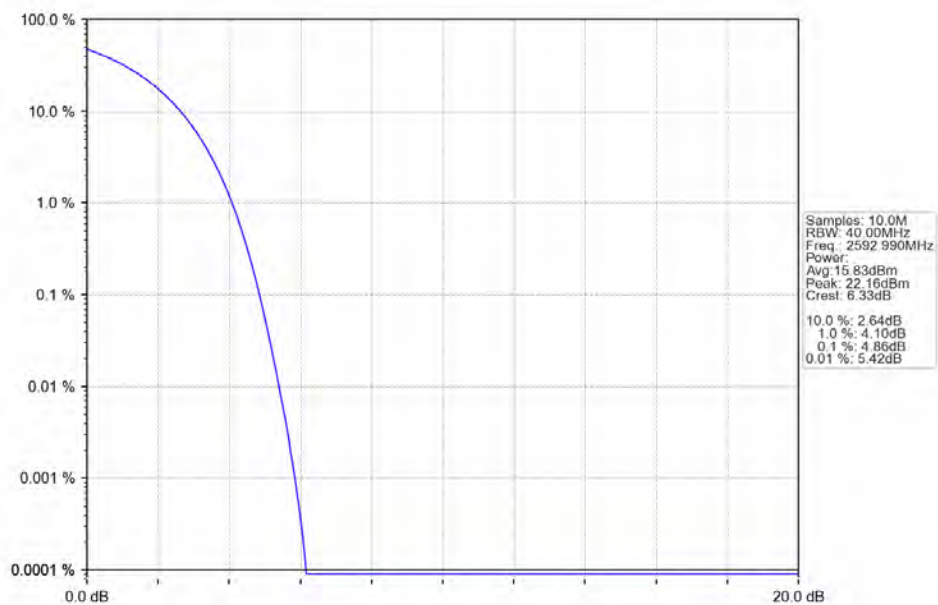
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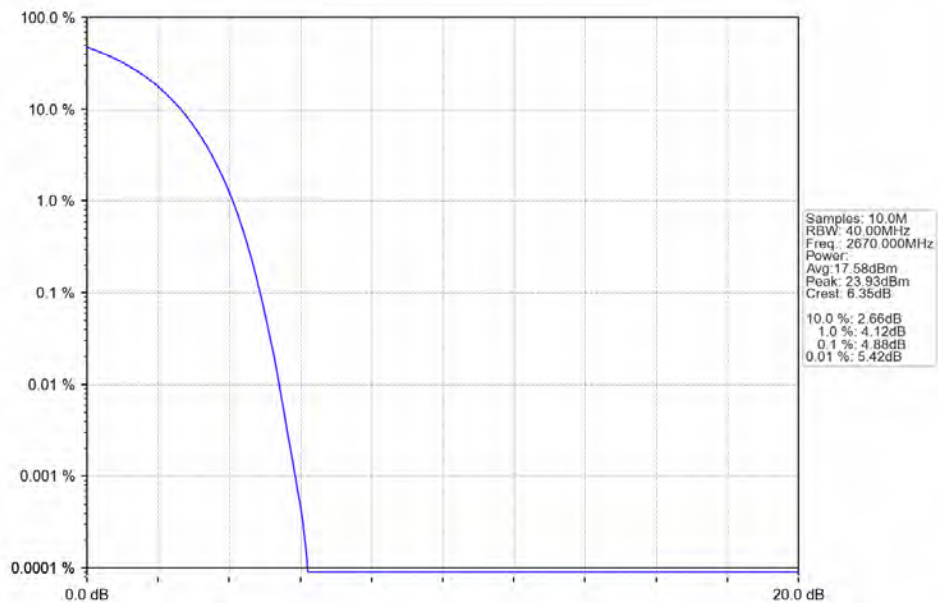
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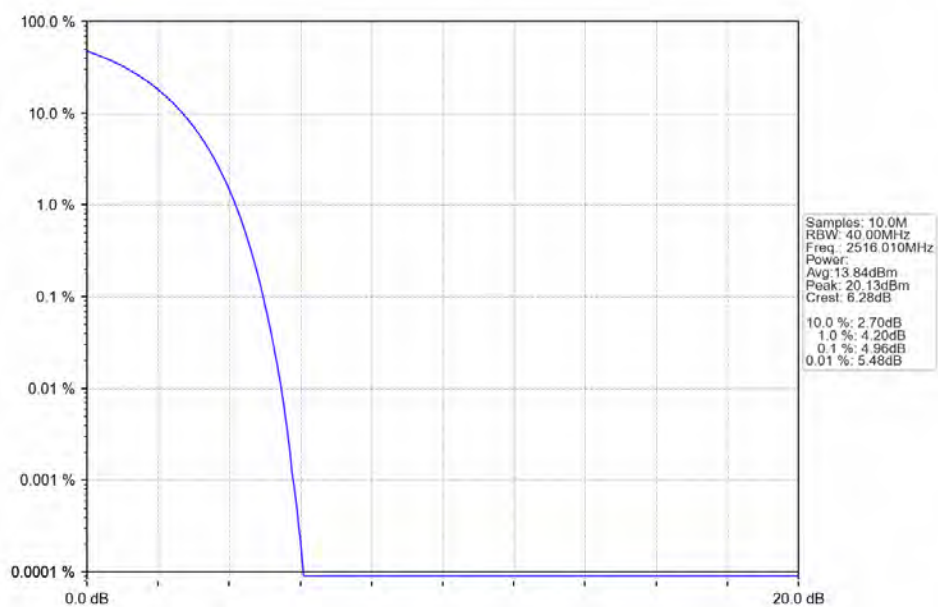
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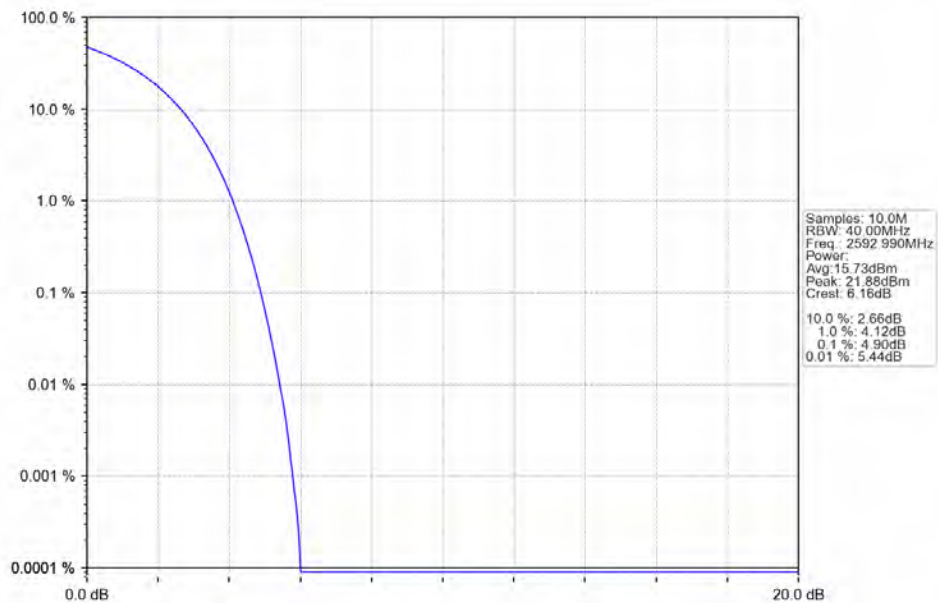
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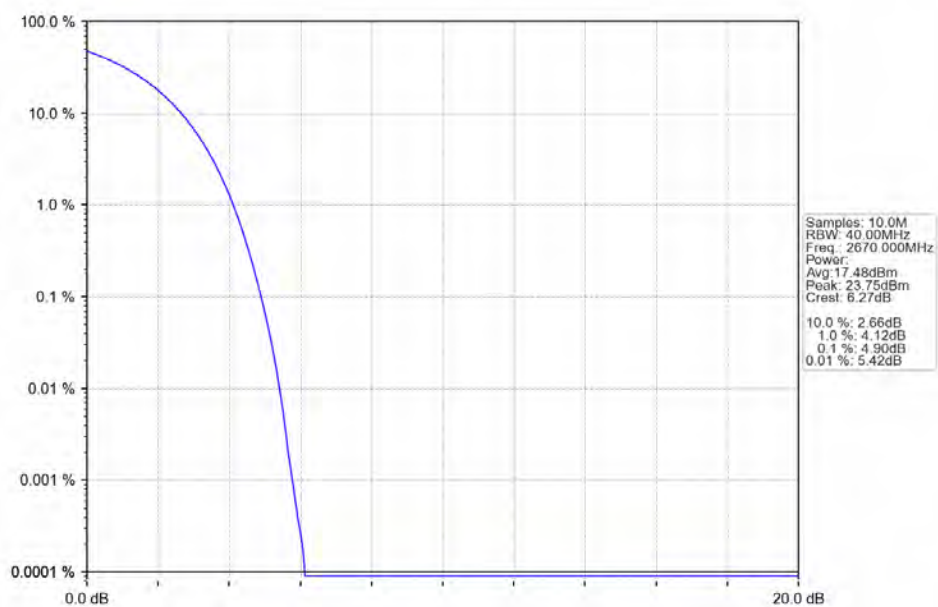
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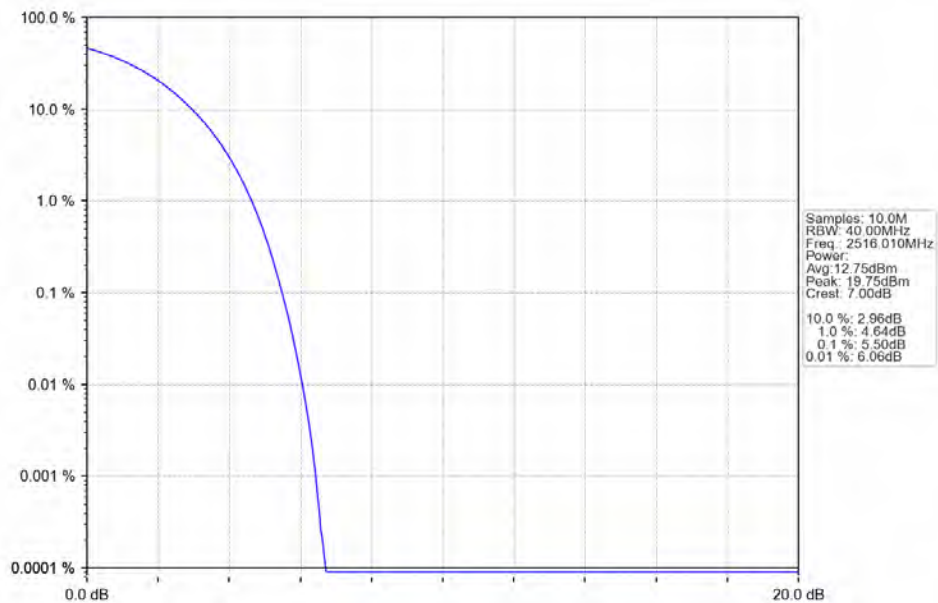
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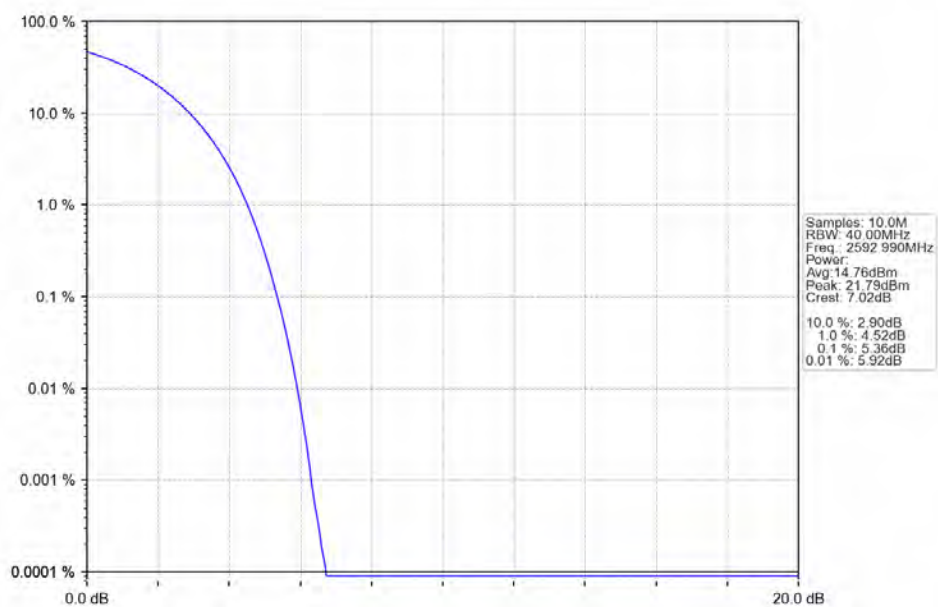
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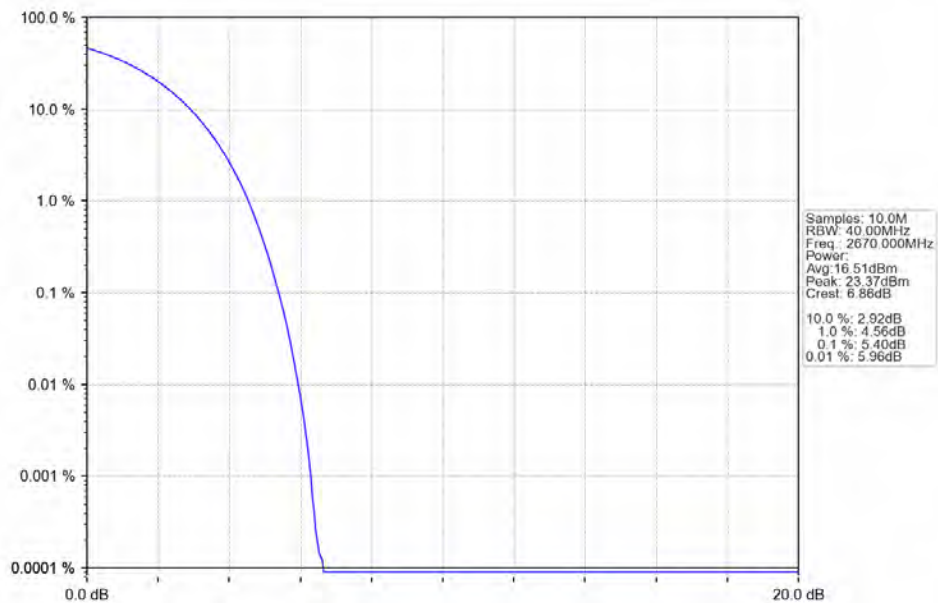
n41_30kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_2516.01MHz_Outer_Full_Ant1



n41_30kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full_Ant1

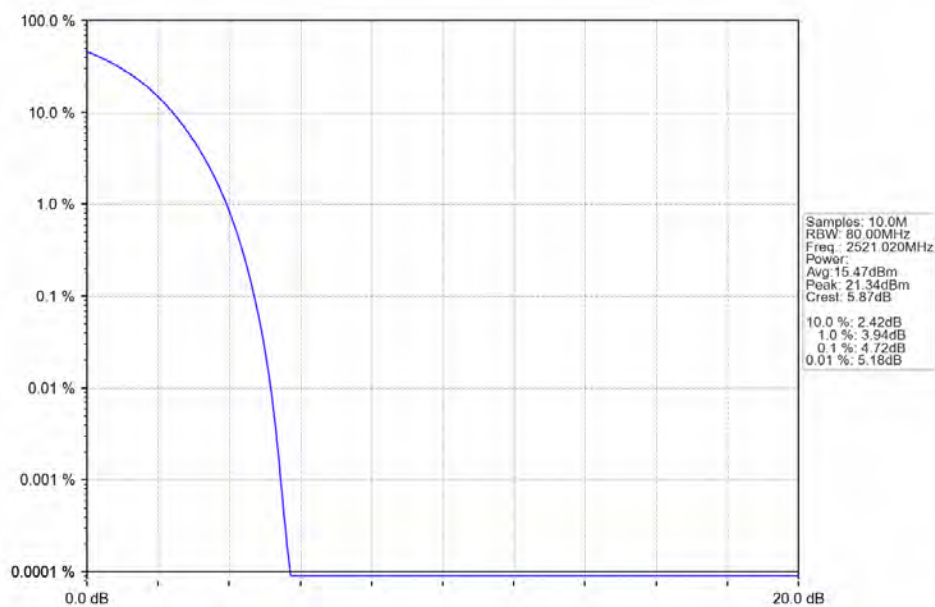


n41_30kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_2670MHz_Outer_Full_Ant1

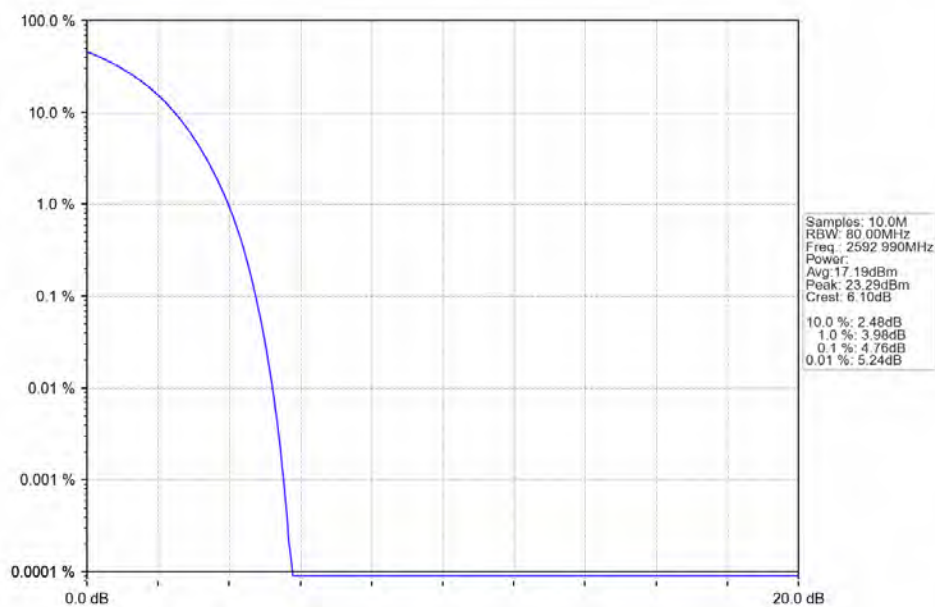


4.2.6 30k_SISO_50MHz_NTNV

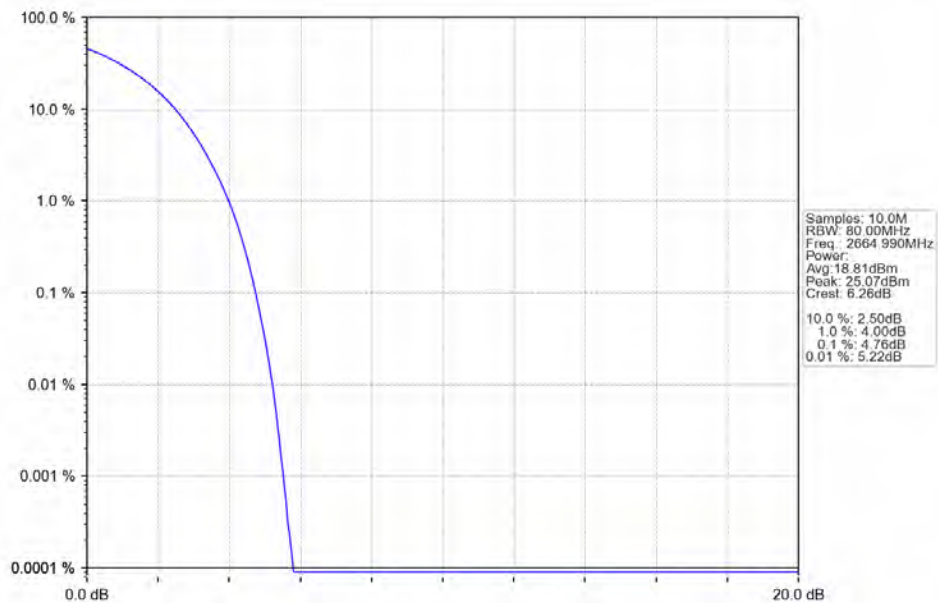
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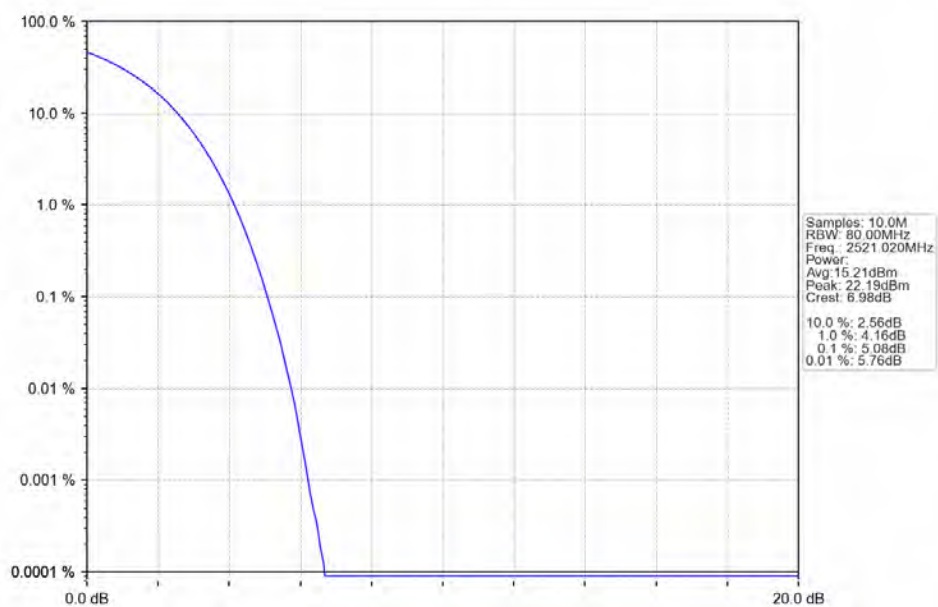
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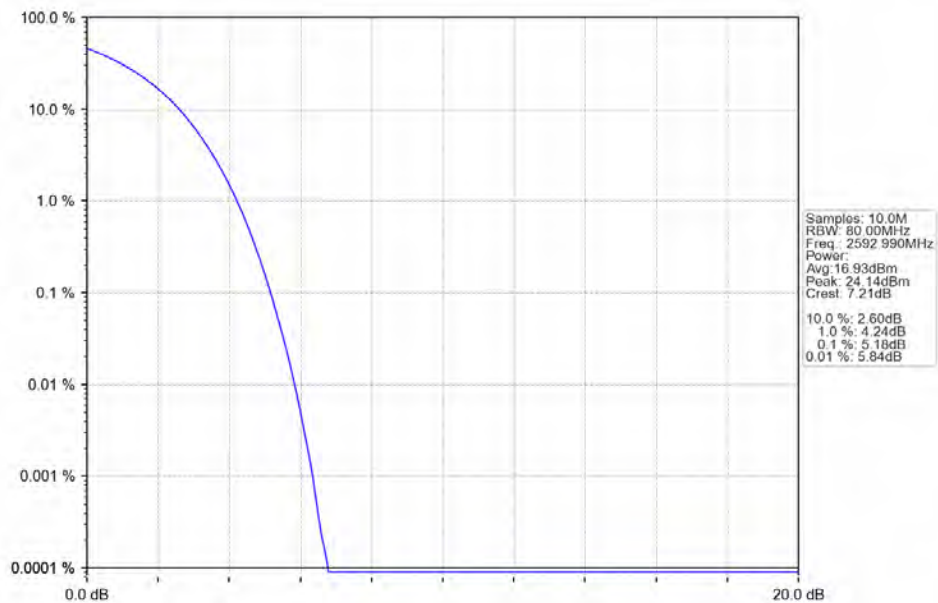
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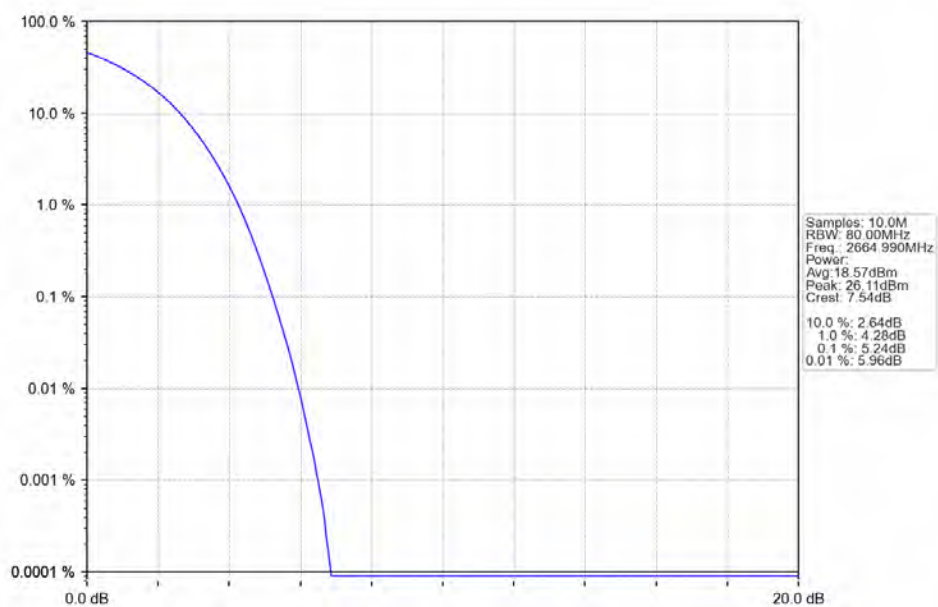
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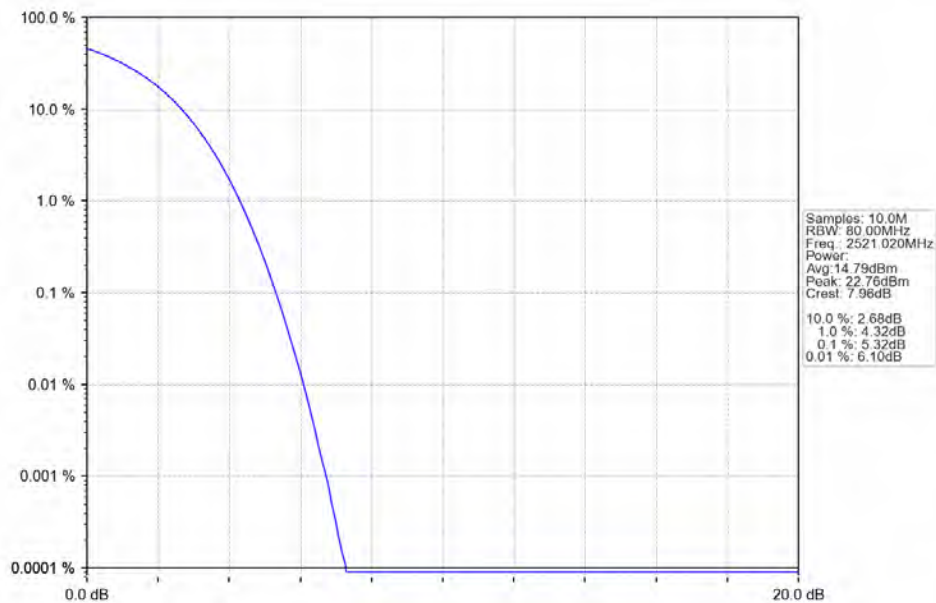
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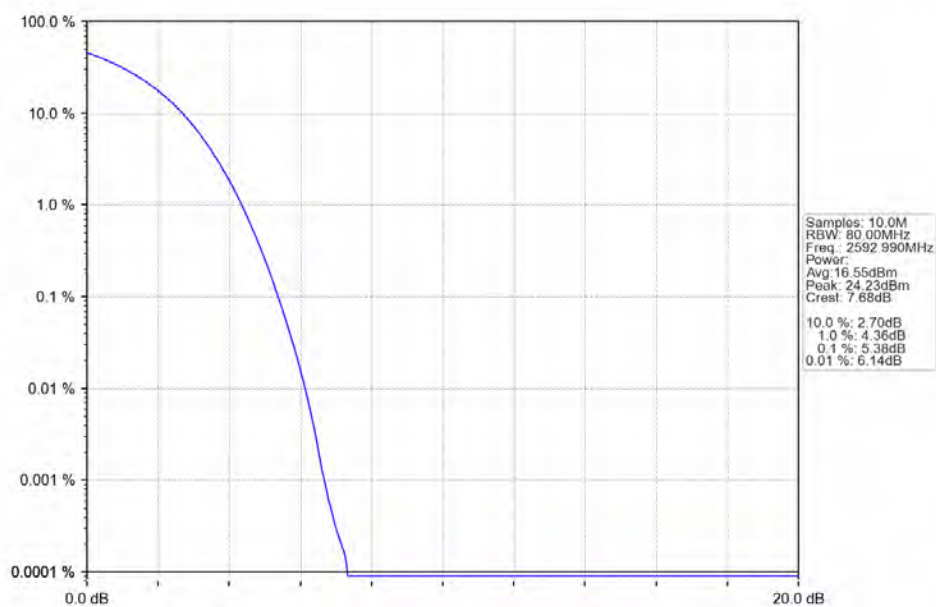
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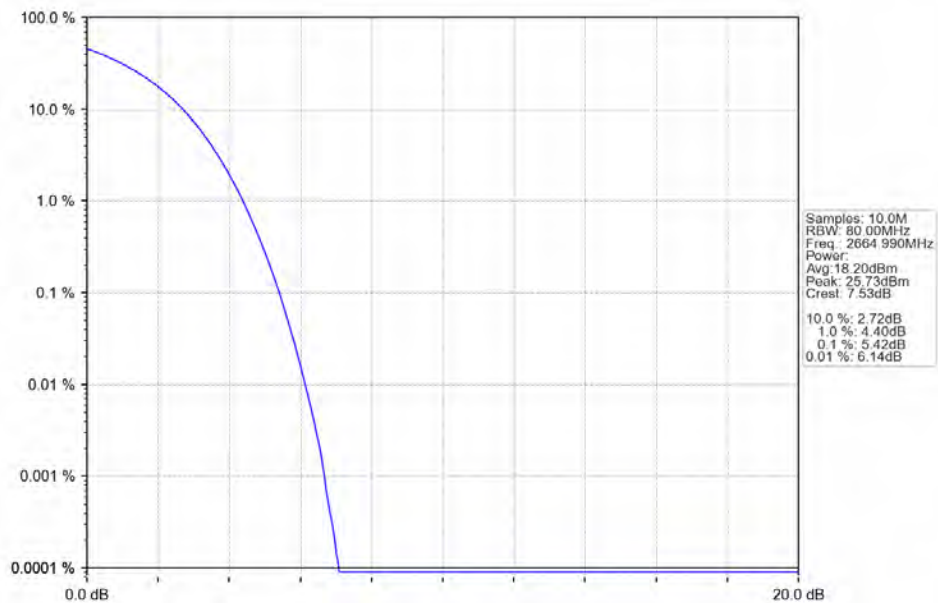
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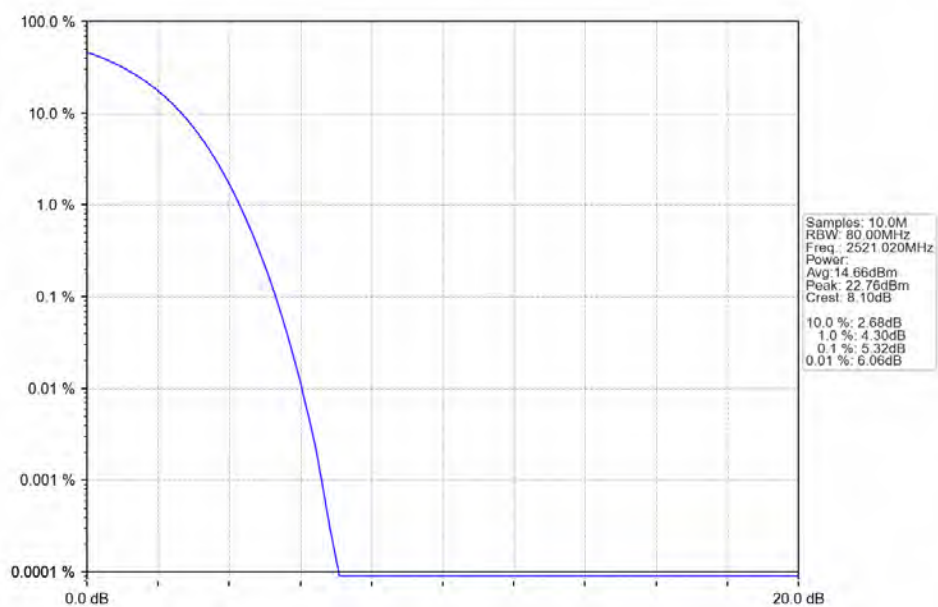
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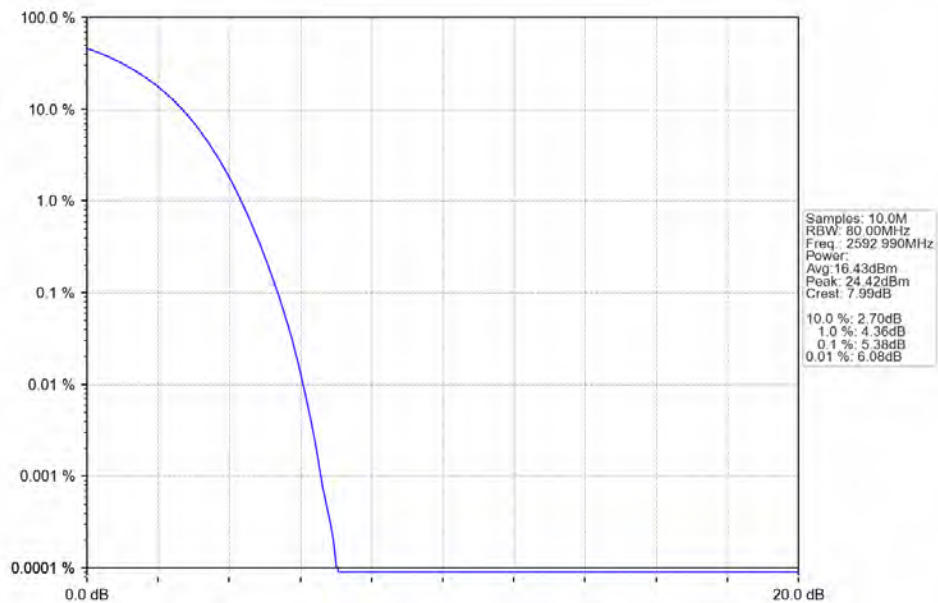
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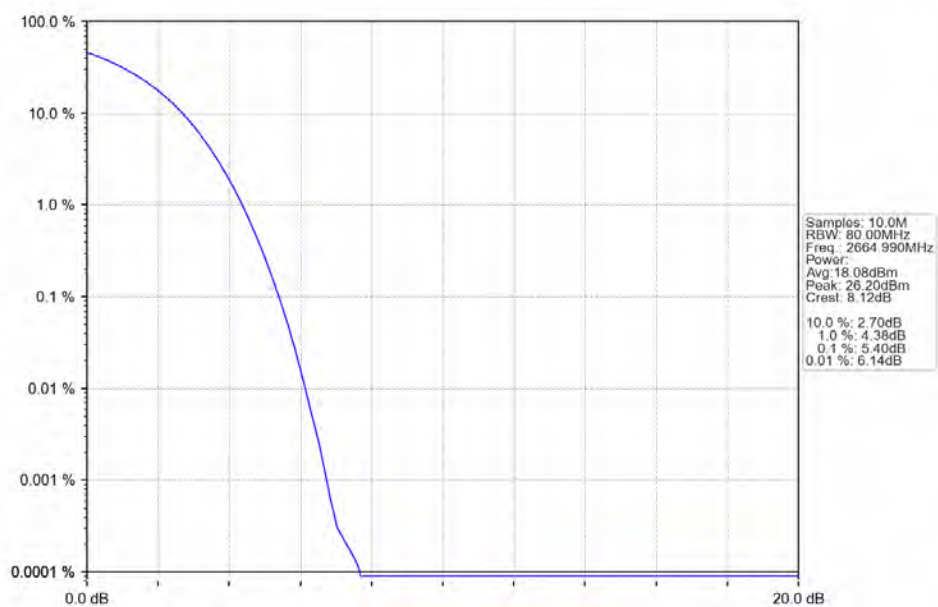
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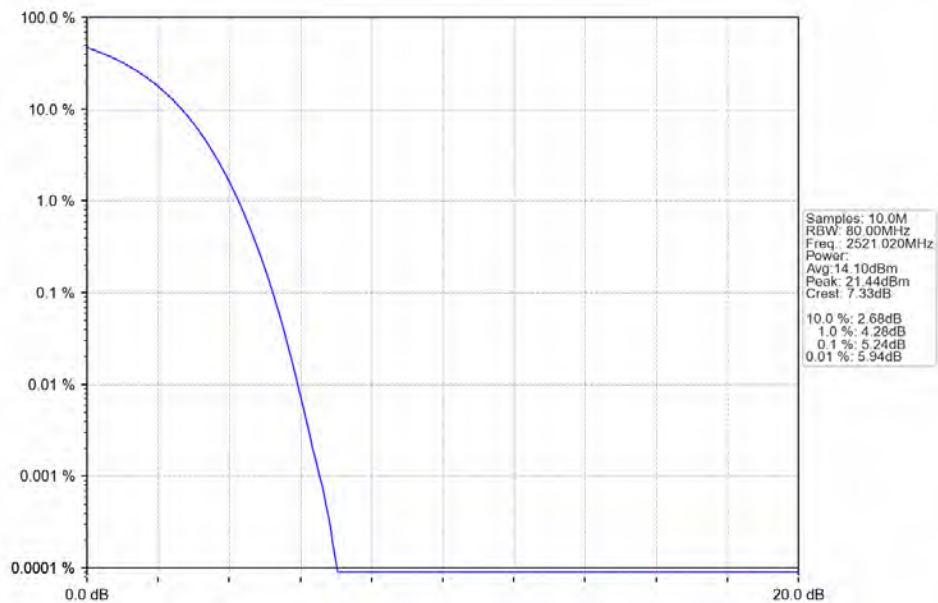
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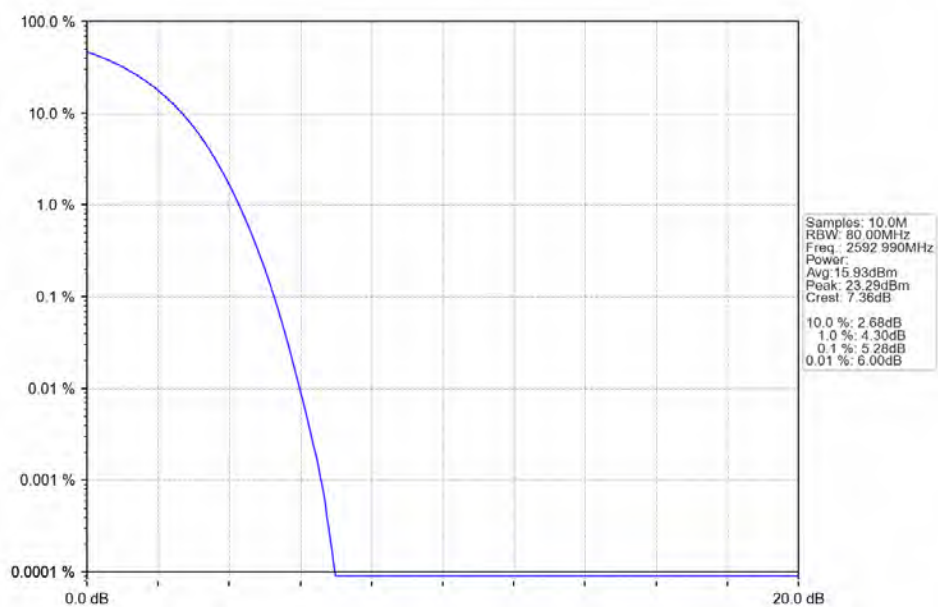
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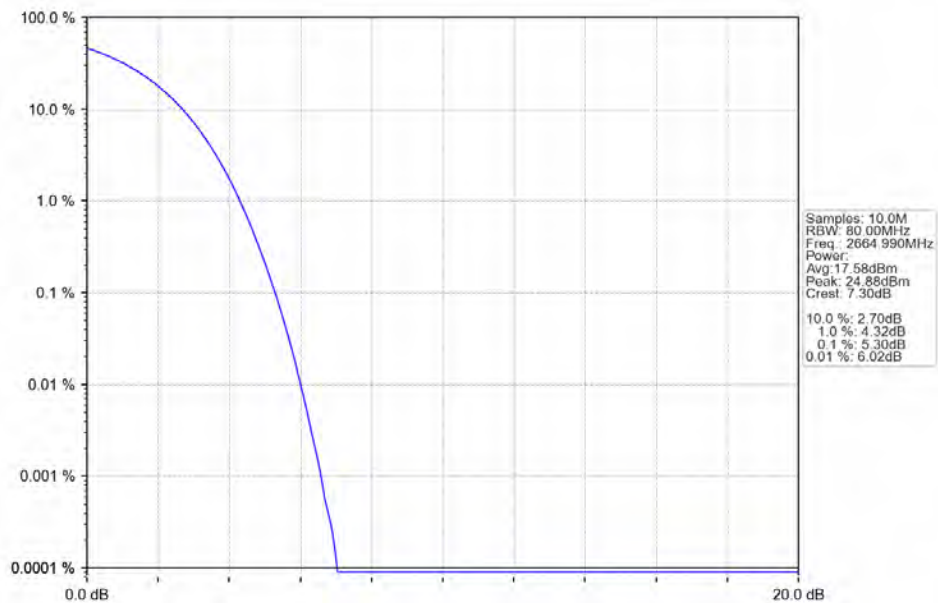
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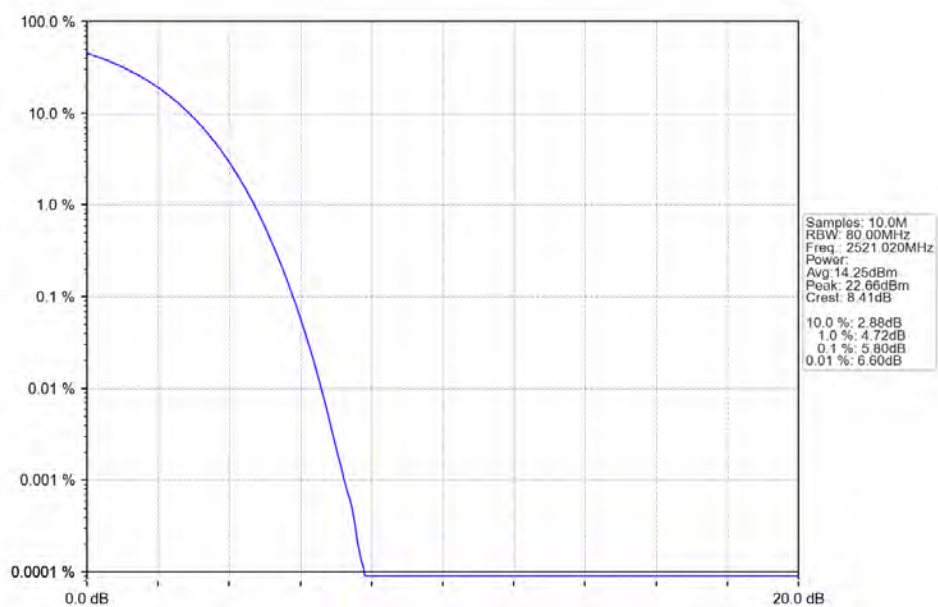
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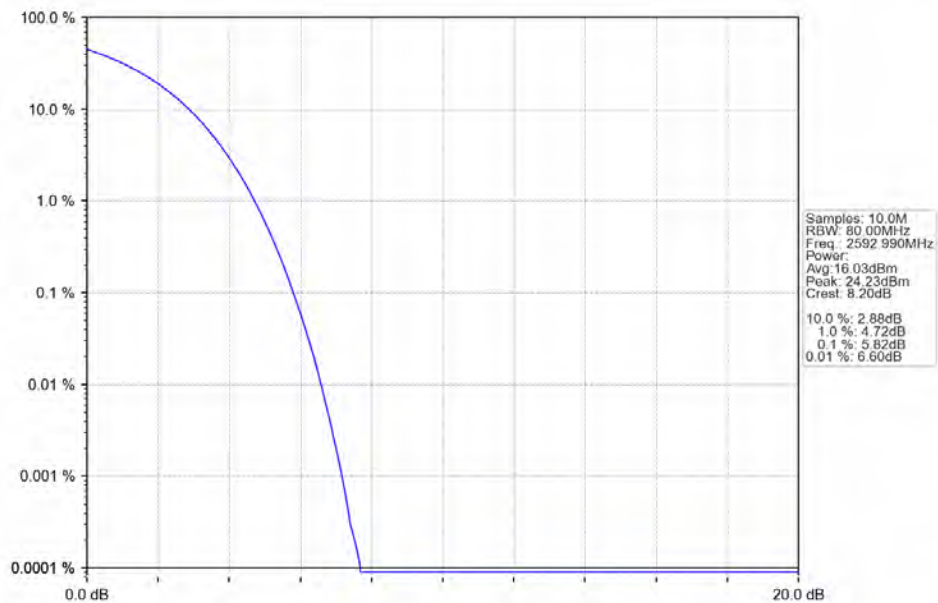
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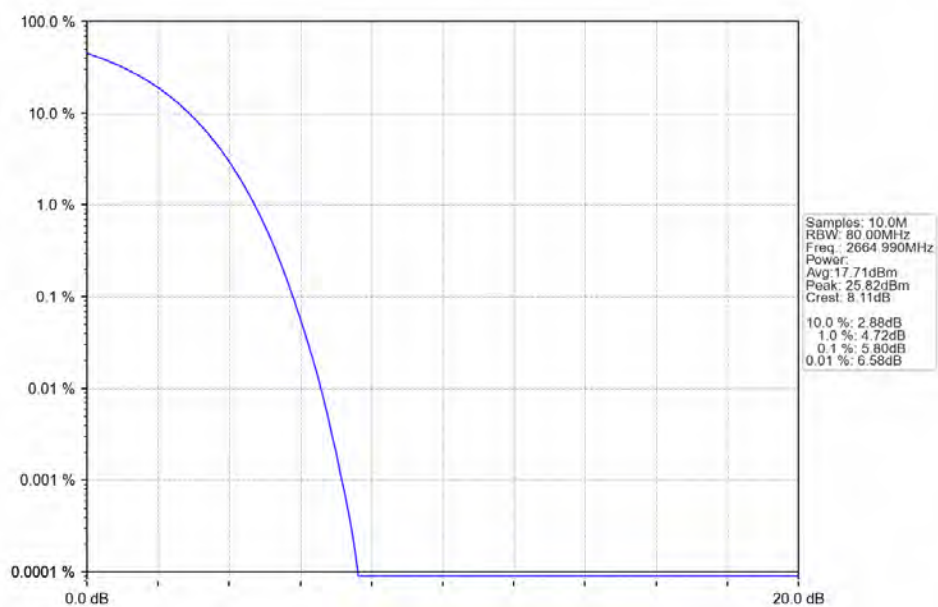
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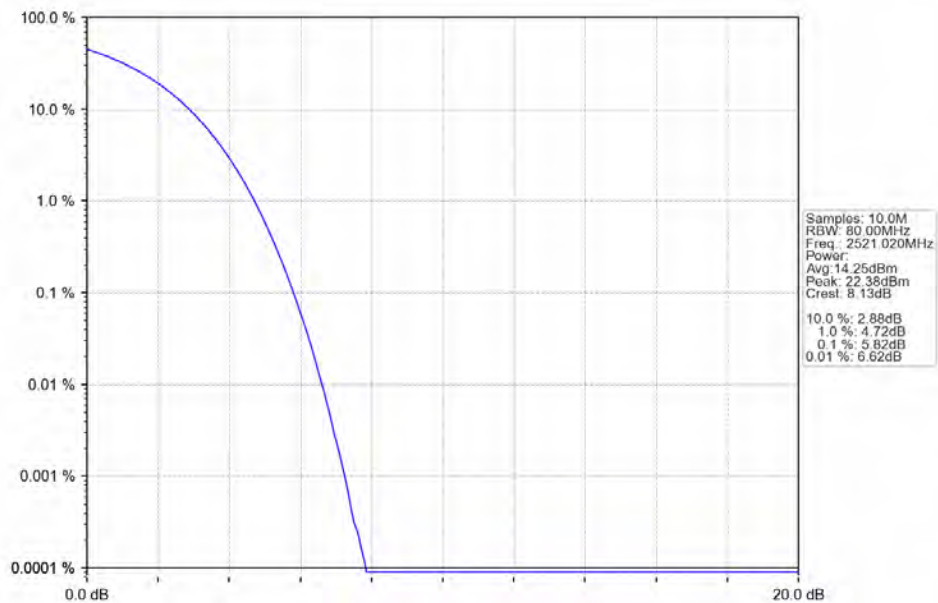
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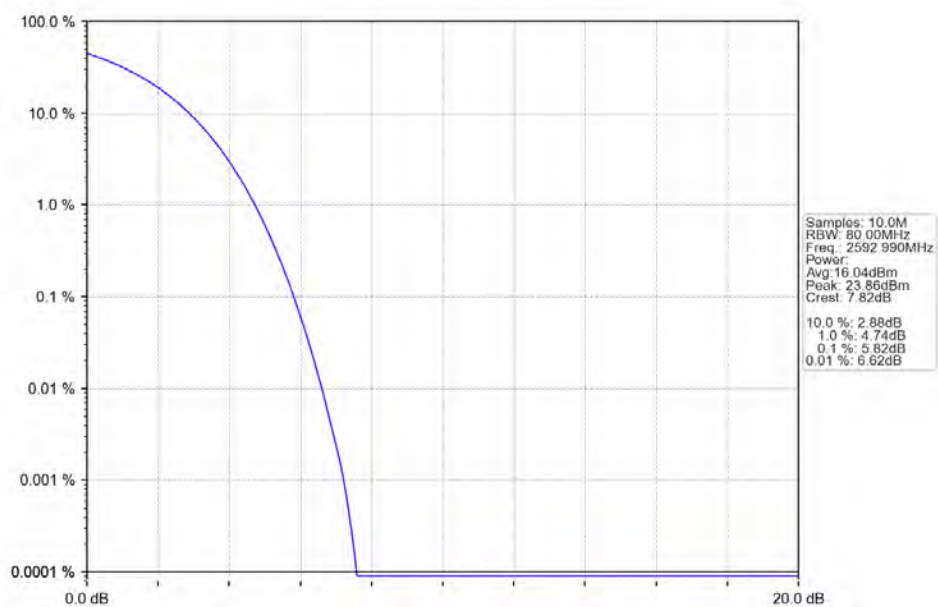
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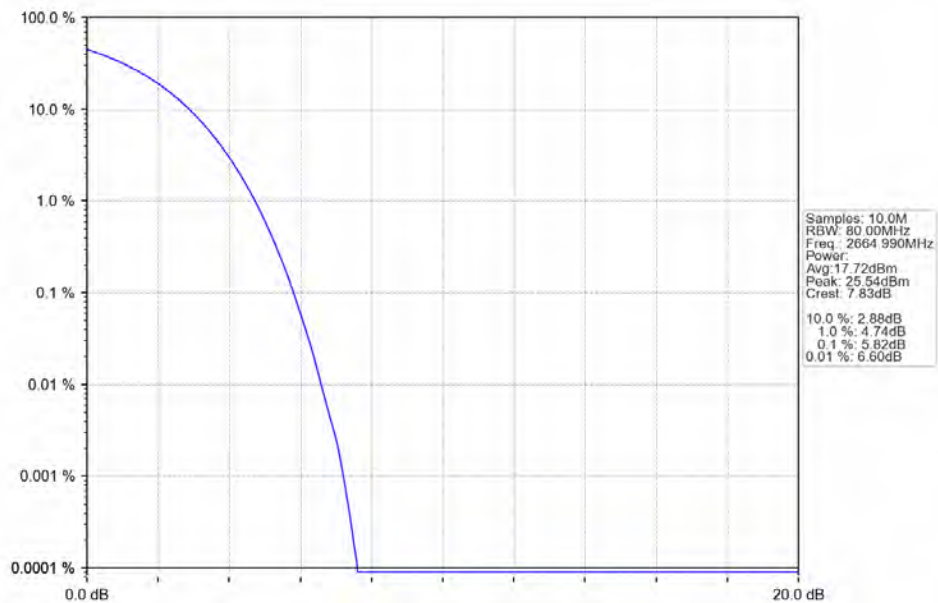
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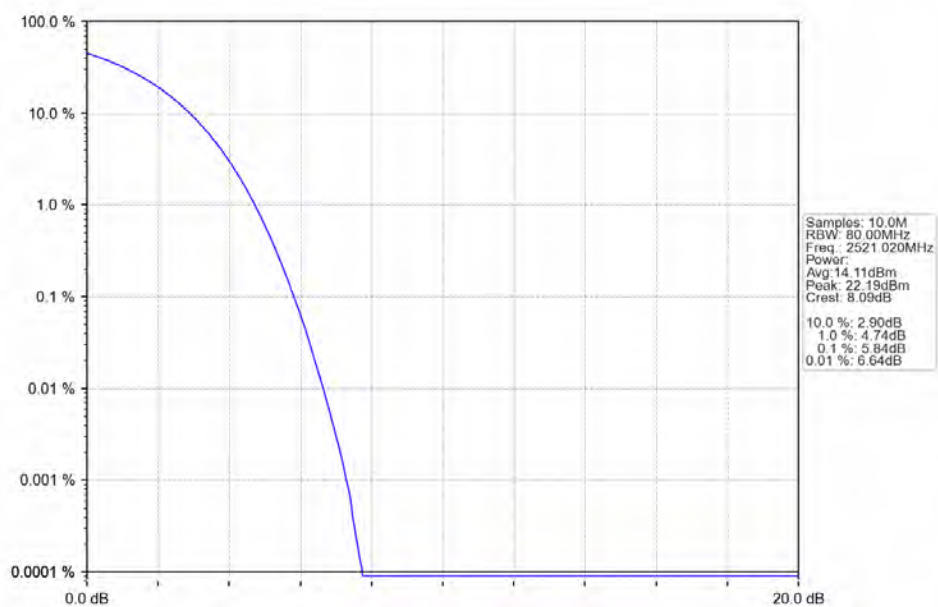
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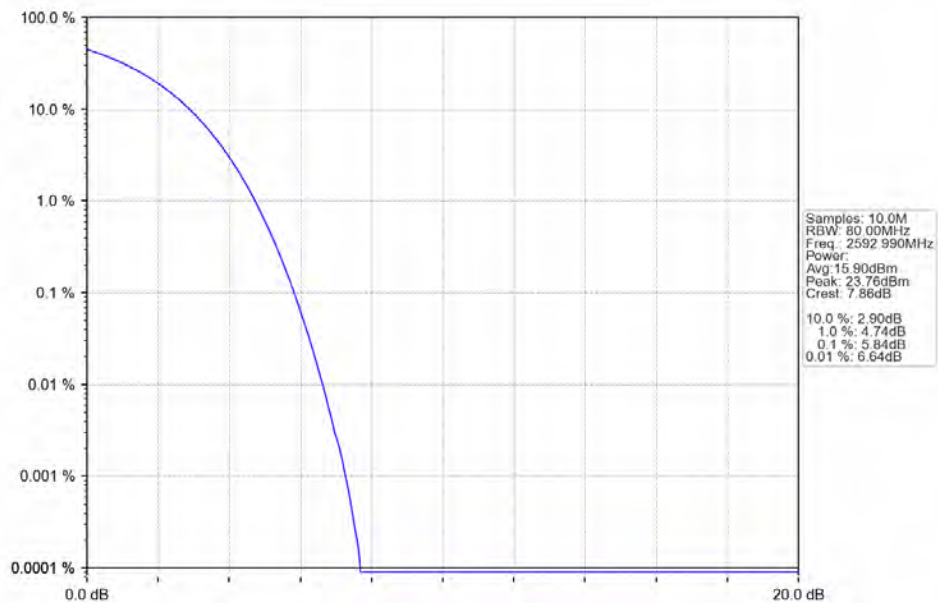
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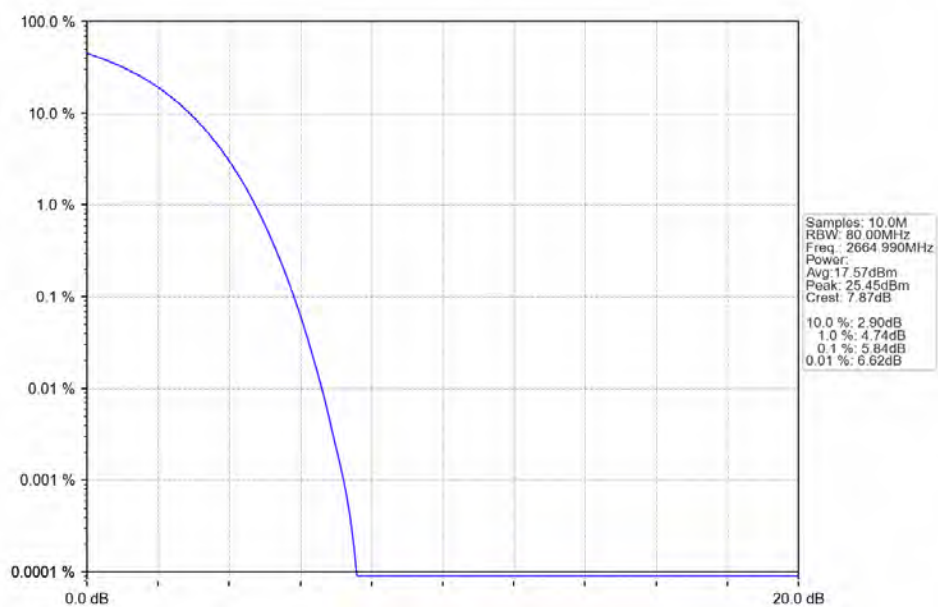
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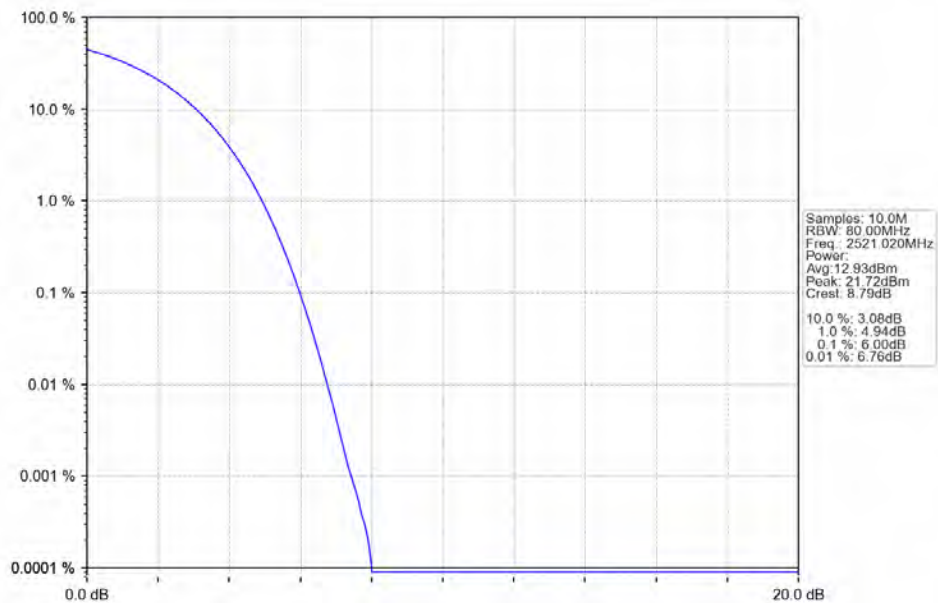
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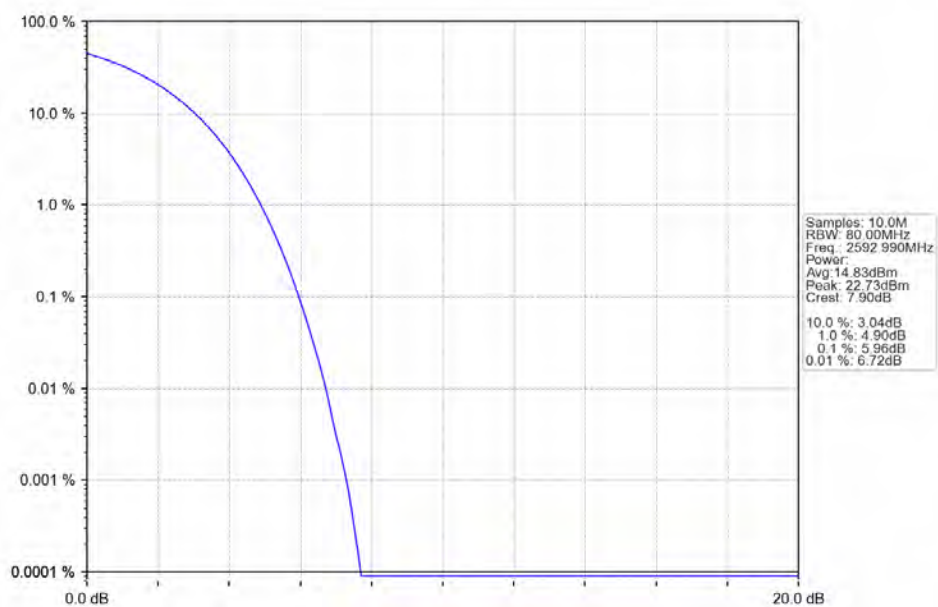
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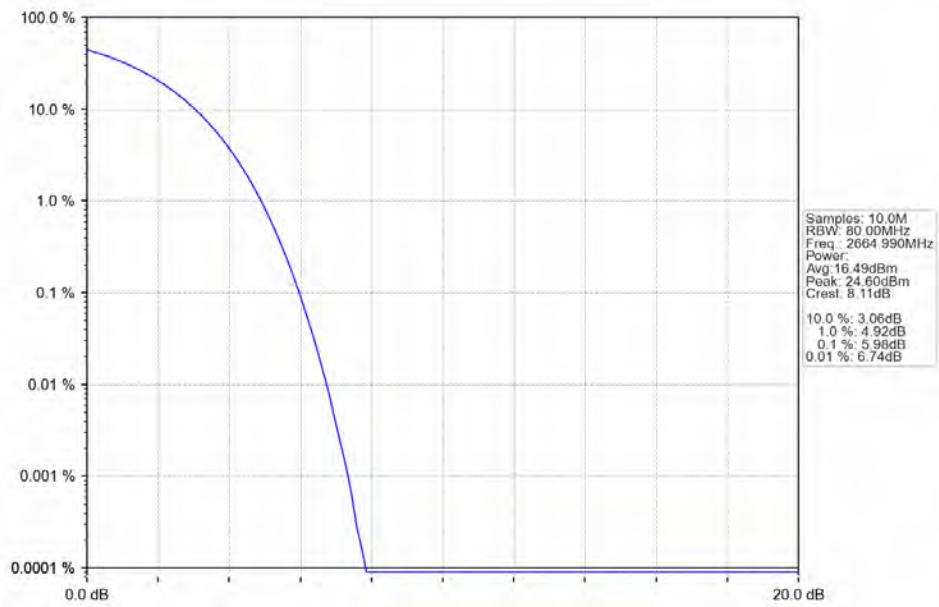
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n41_30kHz_SISO_NTNV_50MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full_Ant1

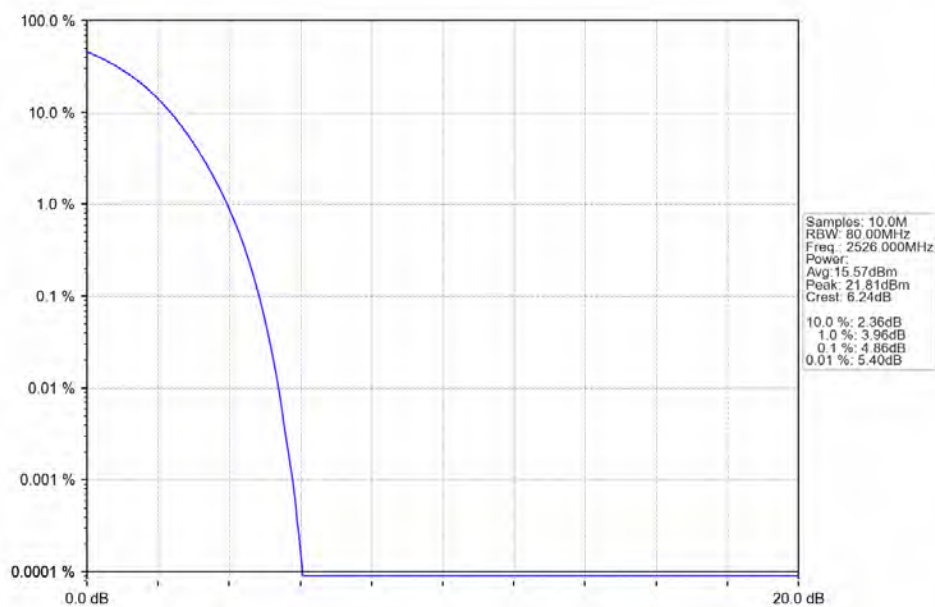


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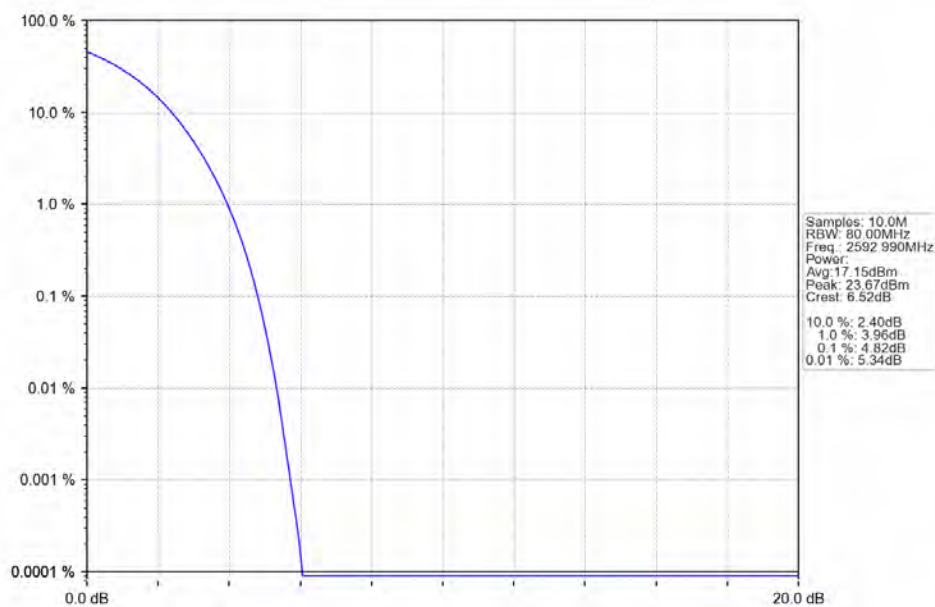


4.2.7 30k_SISO_60MHz_NTNV

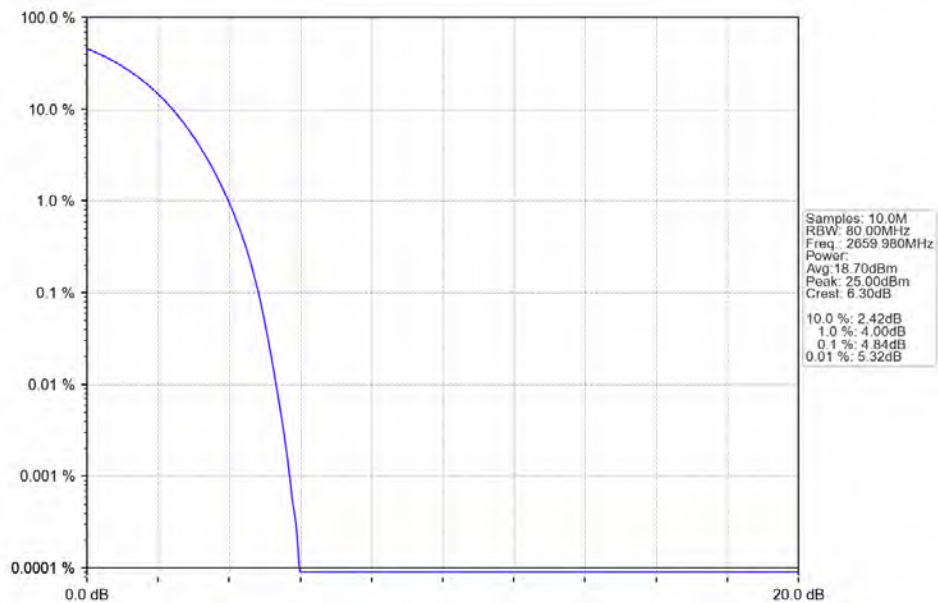
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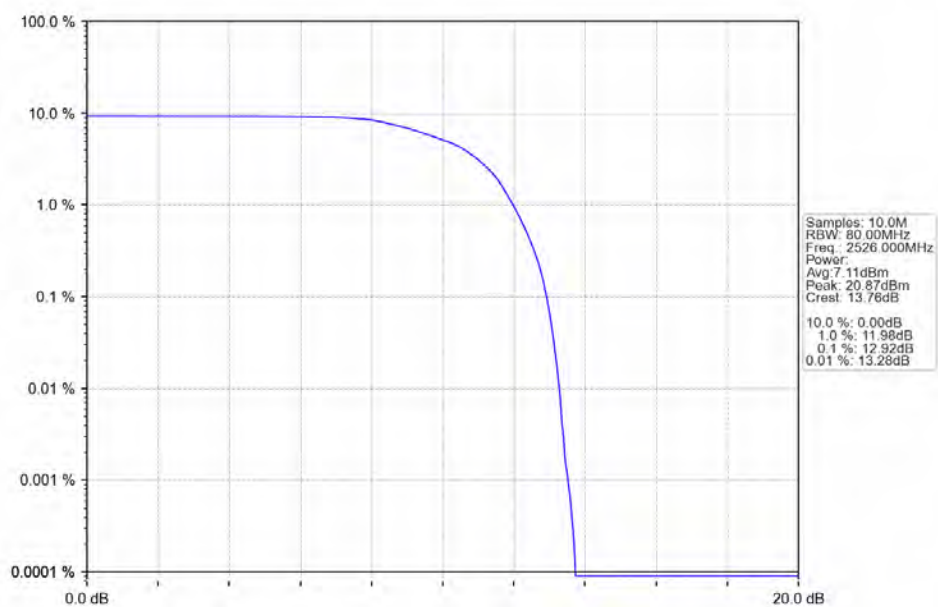
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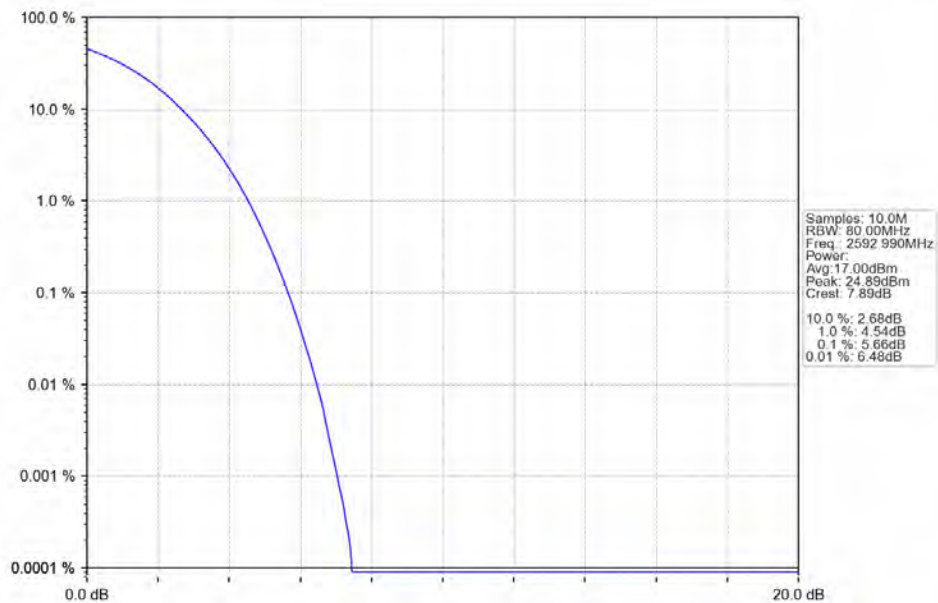
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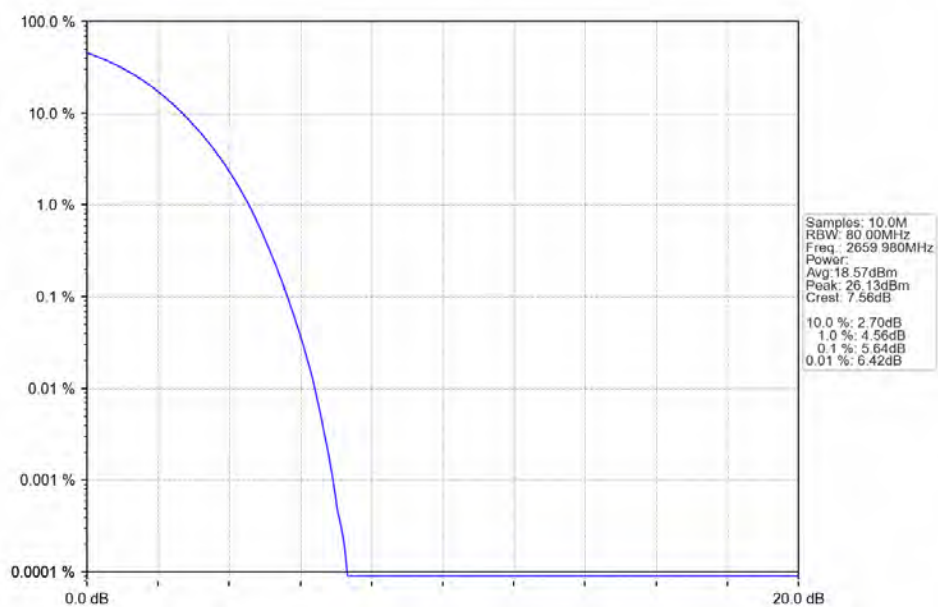
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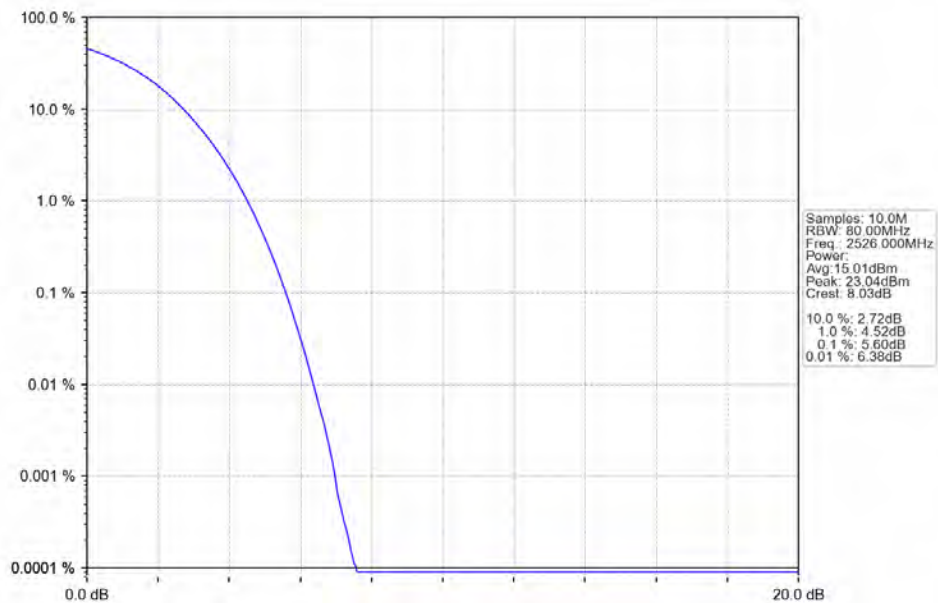
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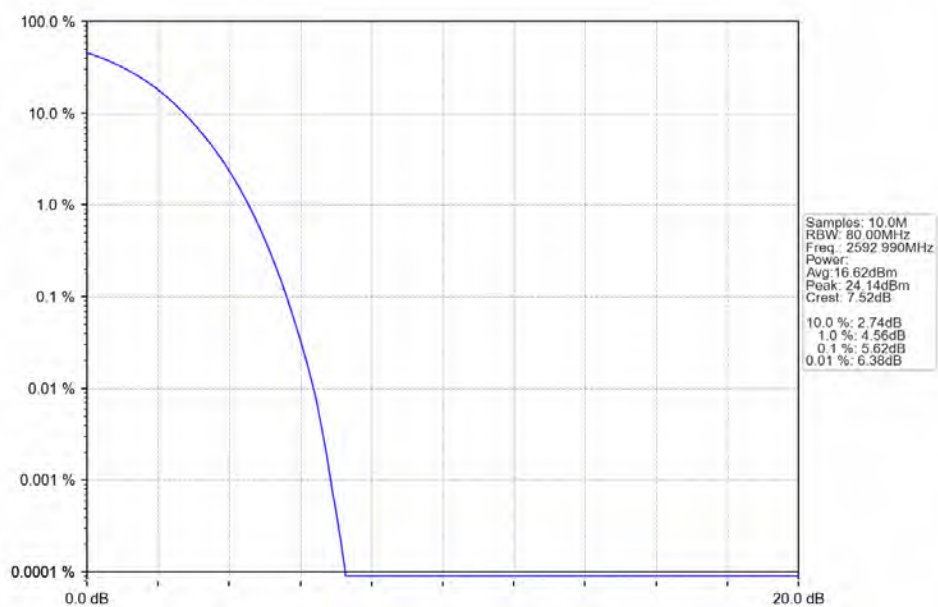
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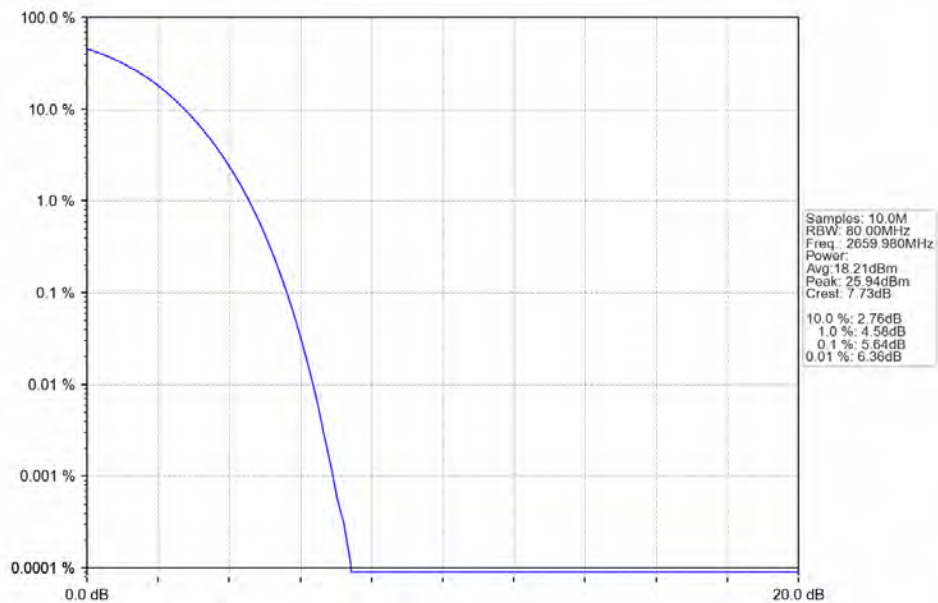
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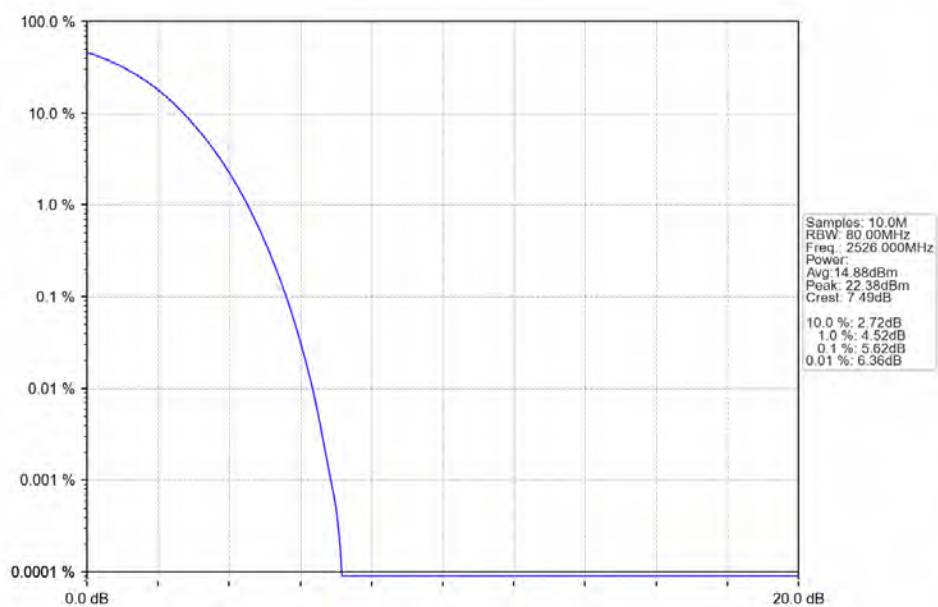
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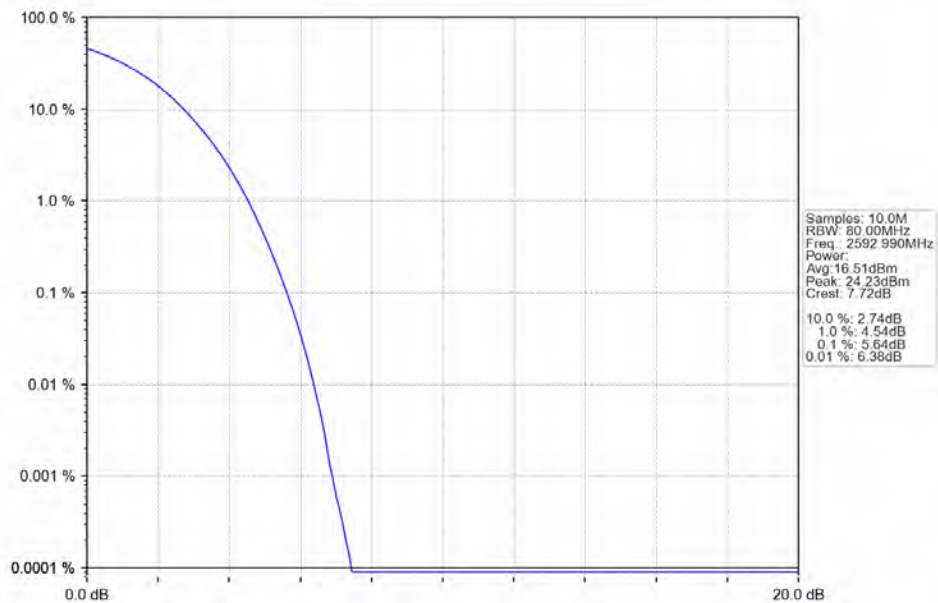
n41_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_16_QAM_2659.98MHz_Outer_Full_Ant1



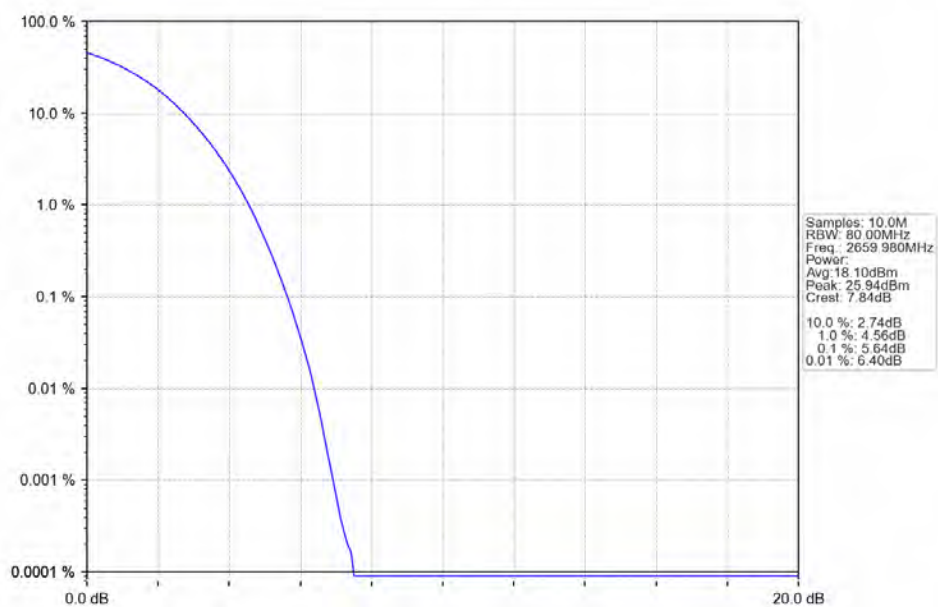
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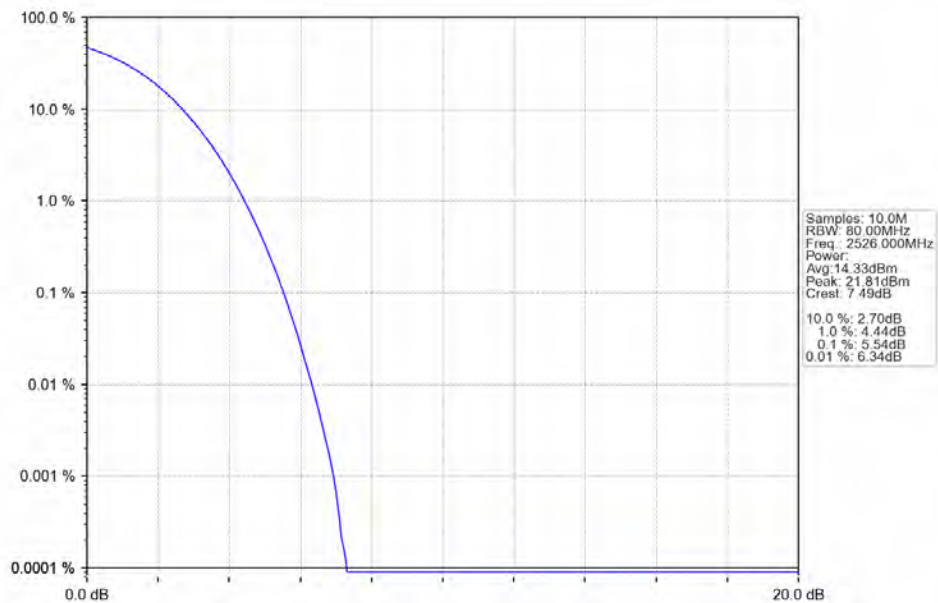
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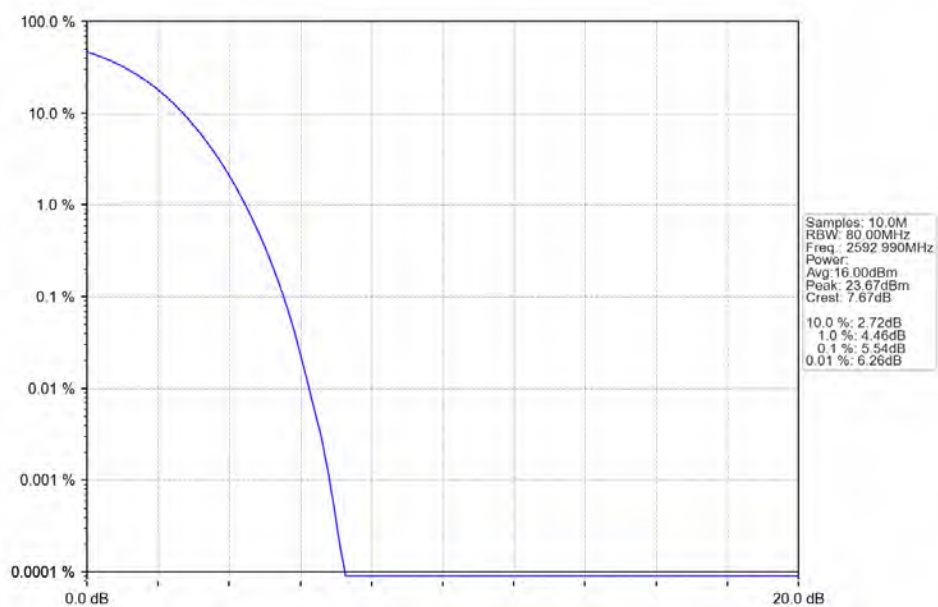
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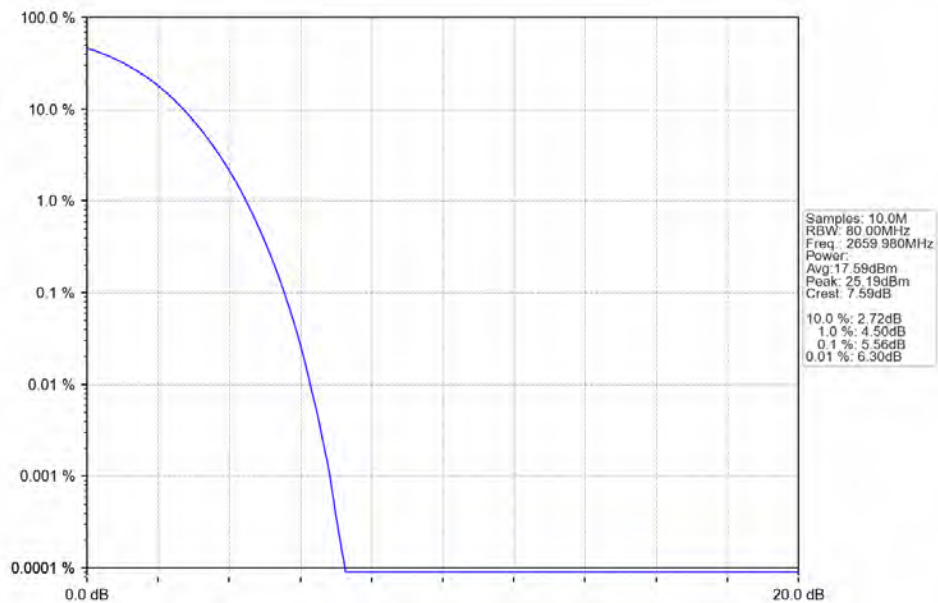
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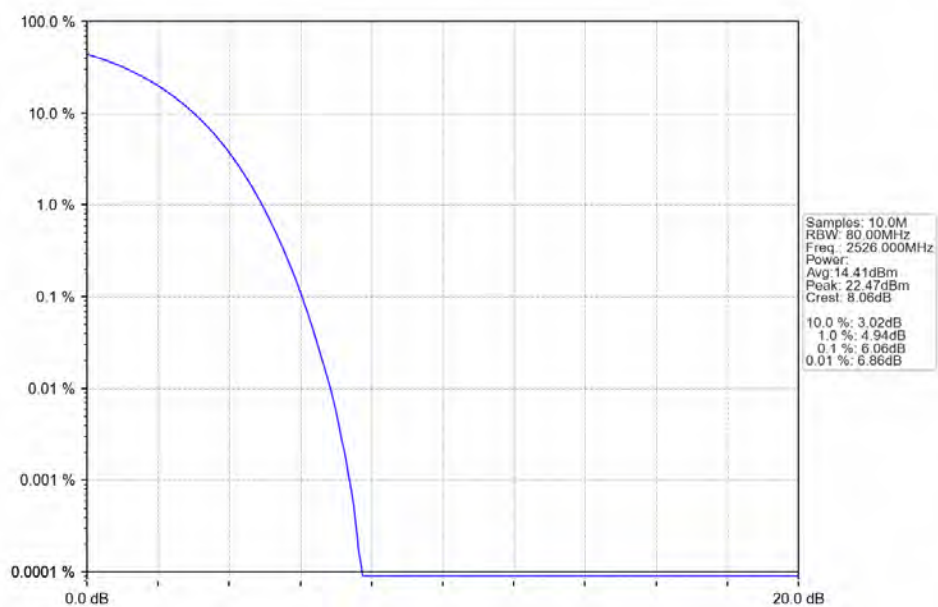
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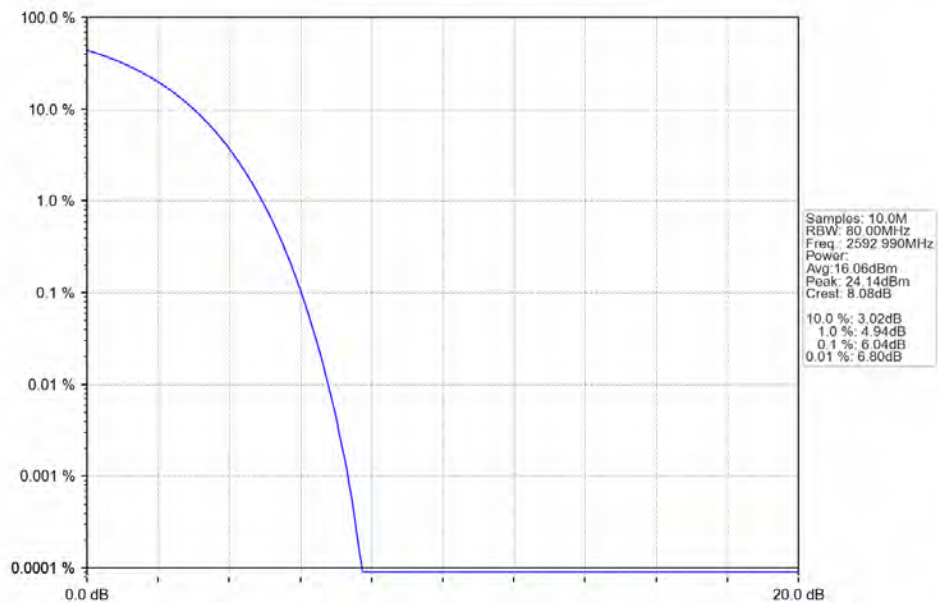
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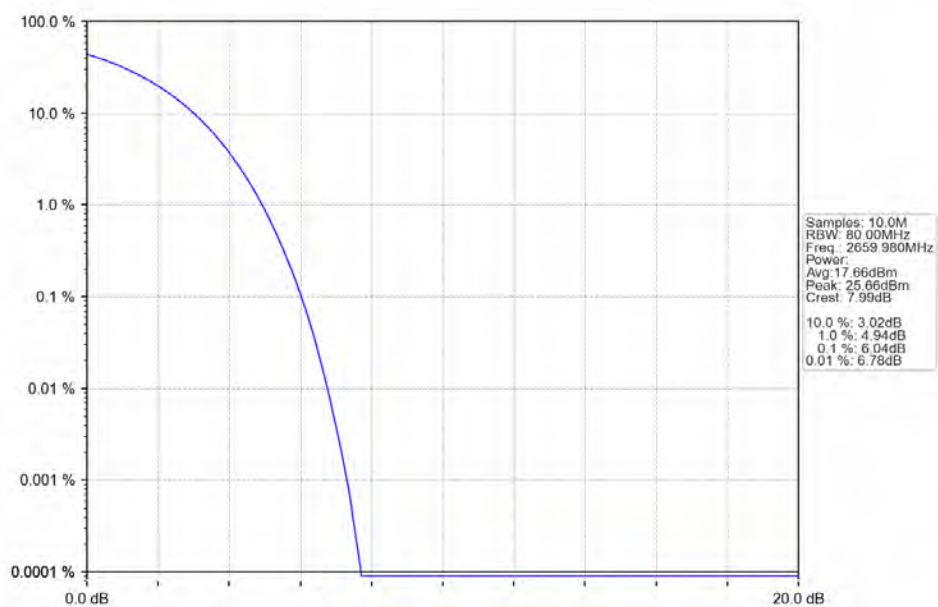
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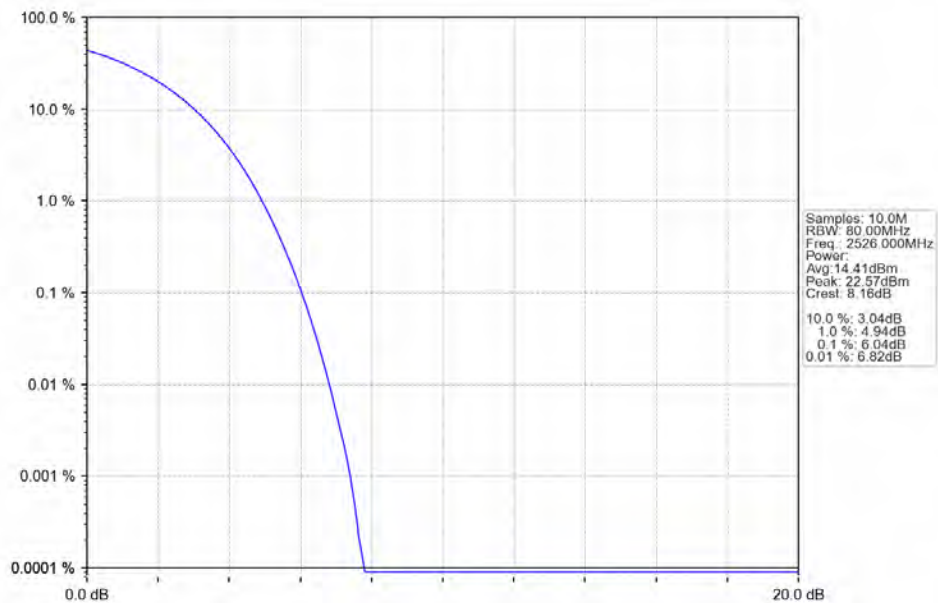
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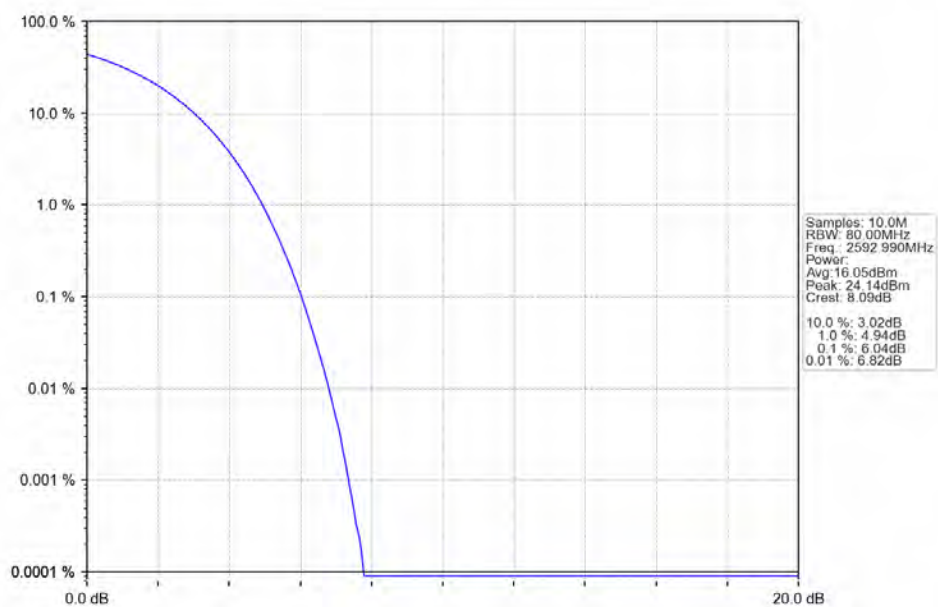
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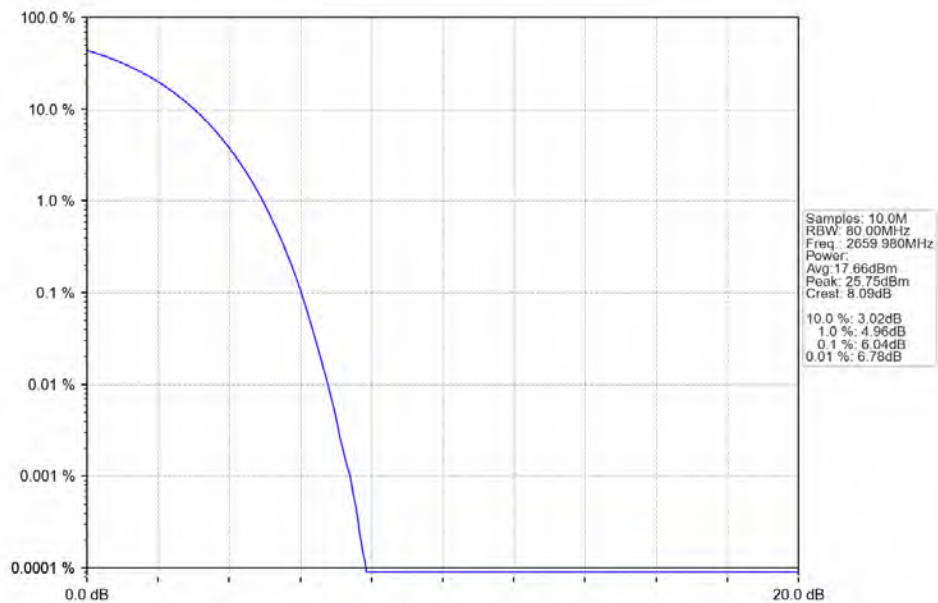
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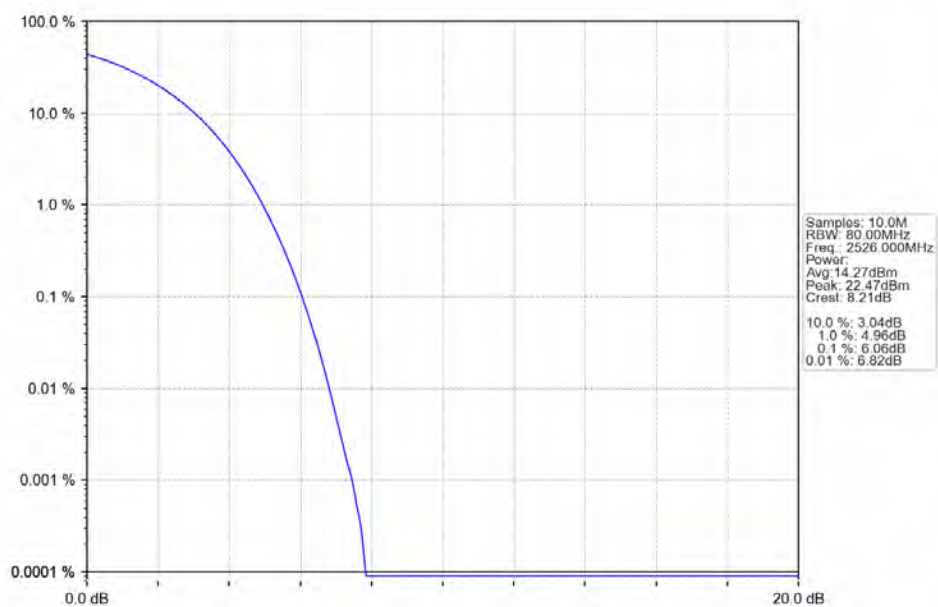
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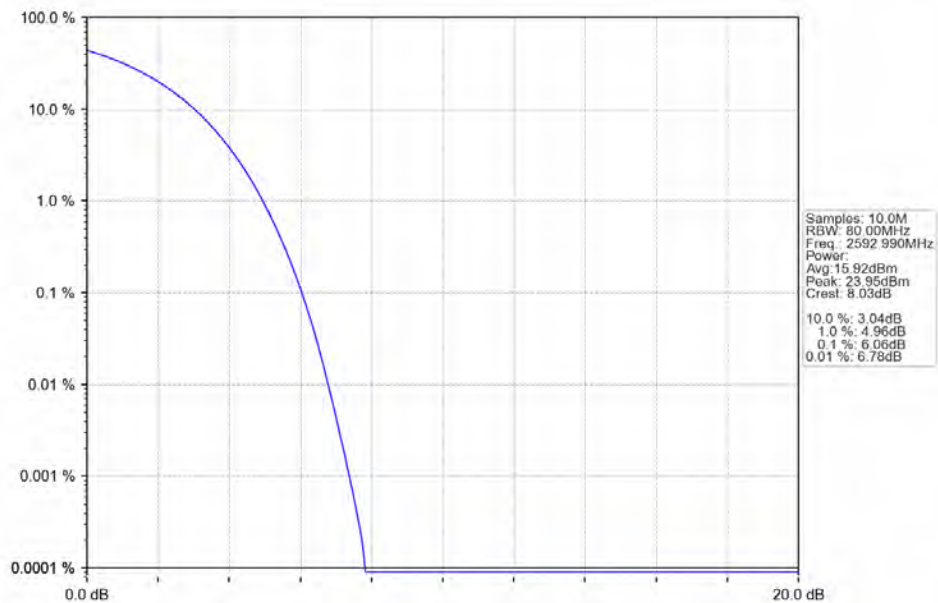
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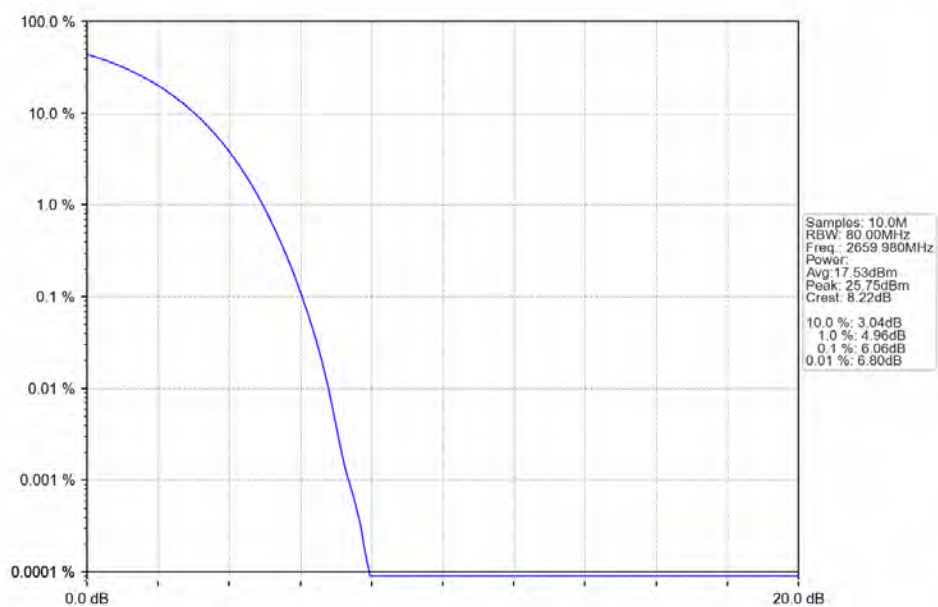
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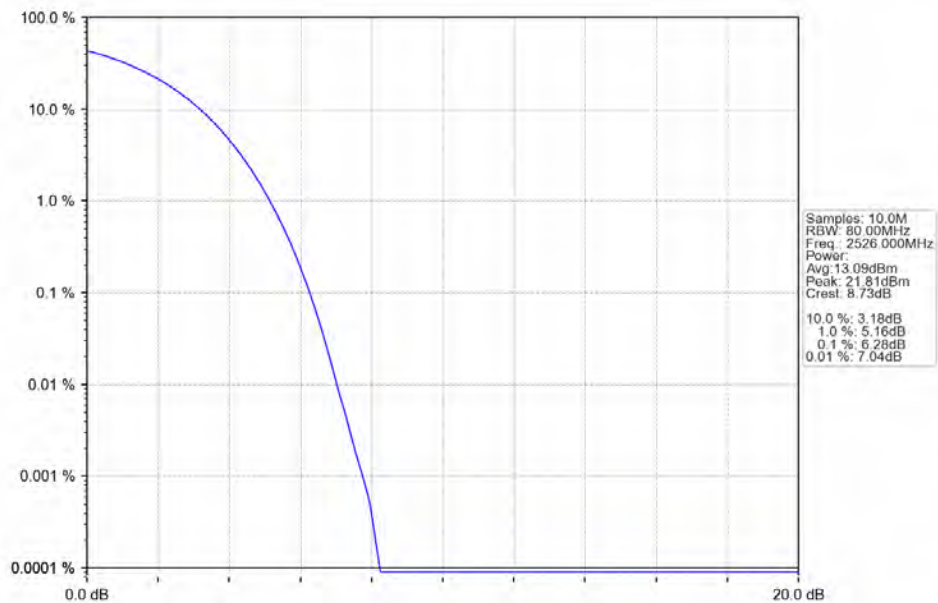
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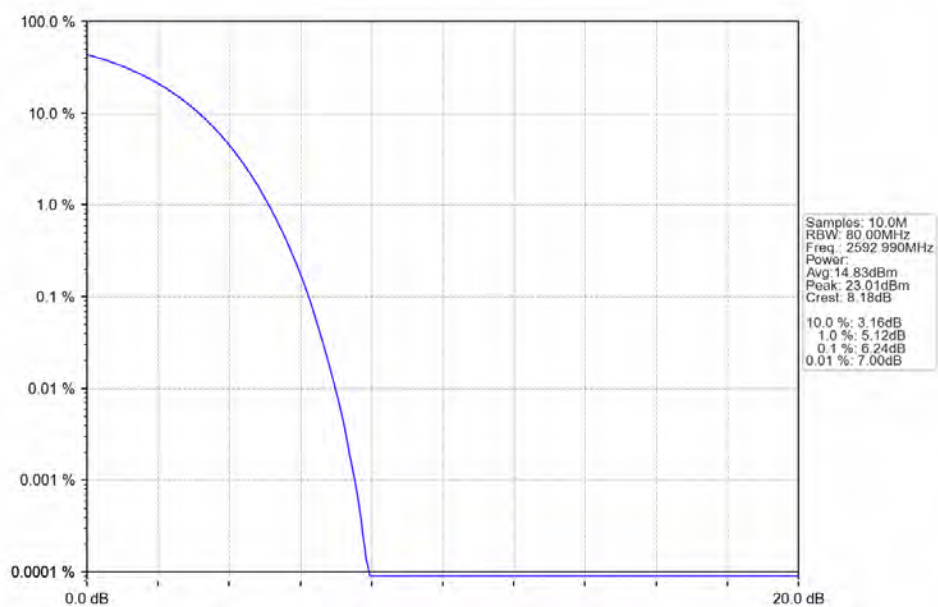
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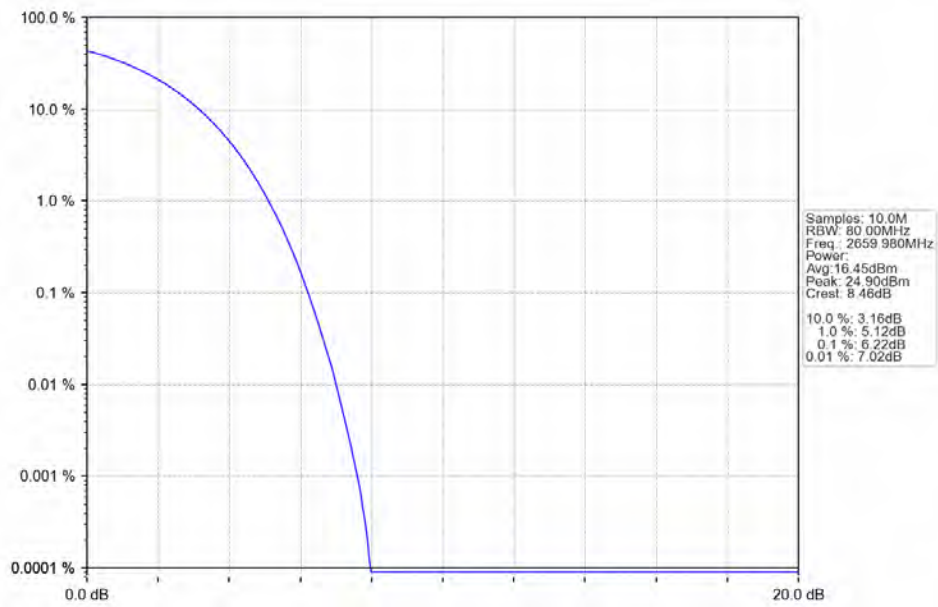
n41_30kHz_SISO_NTNV_60MHz_CP-OFDM_256_QAM_2526MHz_Outer_Full_Ant1



n41_30kHz_SISO_NTNV_60MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full_Ant1

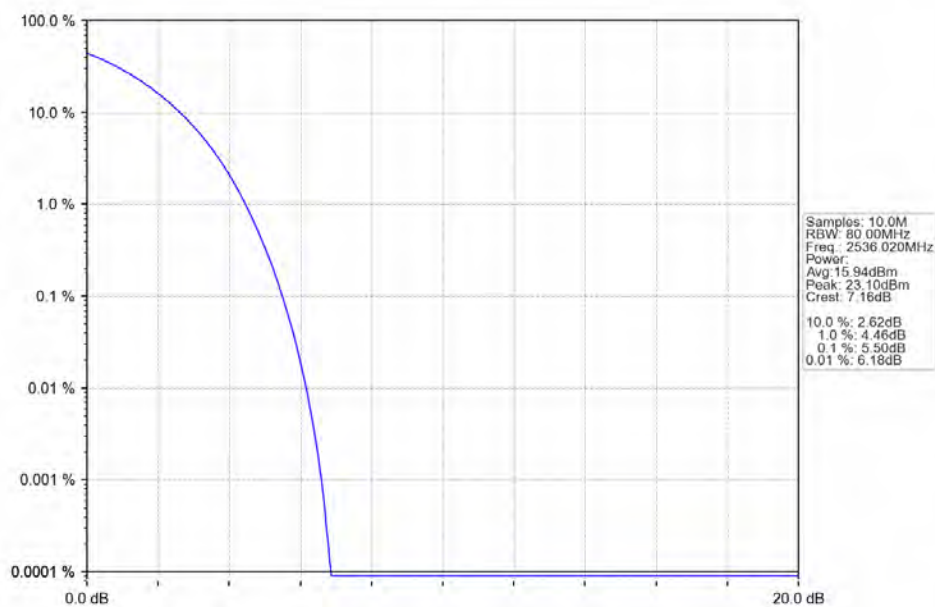


n41_30kHz_SISO_NTNV_60MHz_CP-OFDM_256_QAM_2659.98MHz_Outer_Full_Ant1

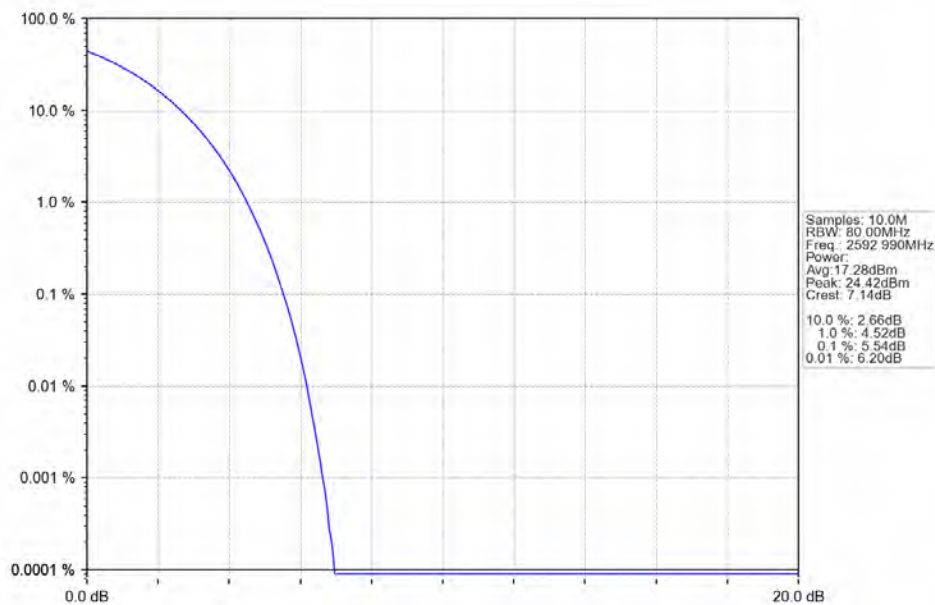


4.2.8 30k_SISO_80MHz_NTNV

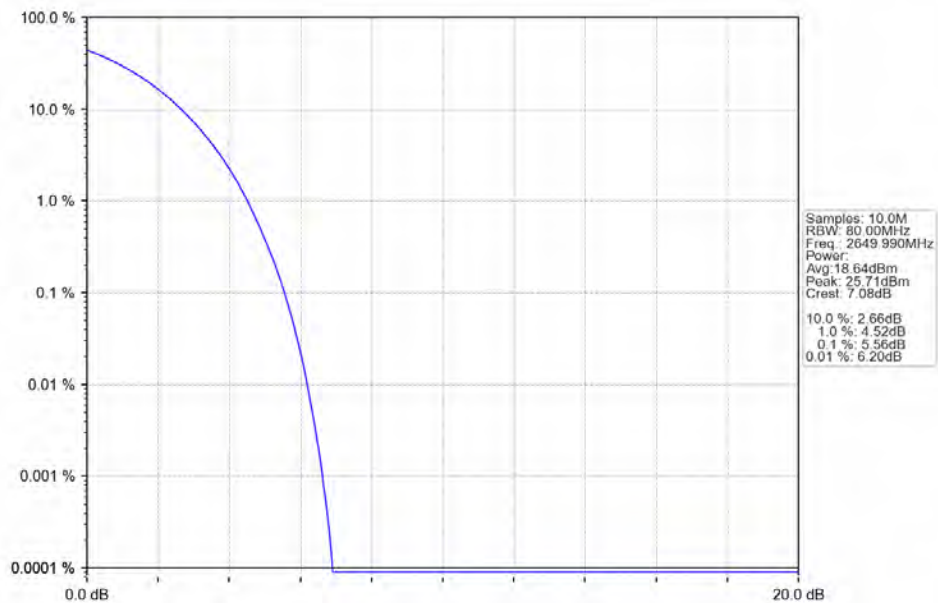
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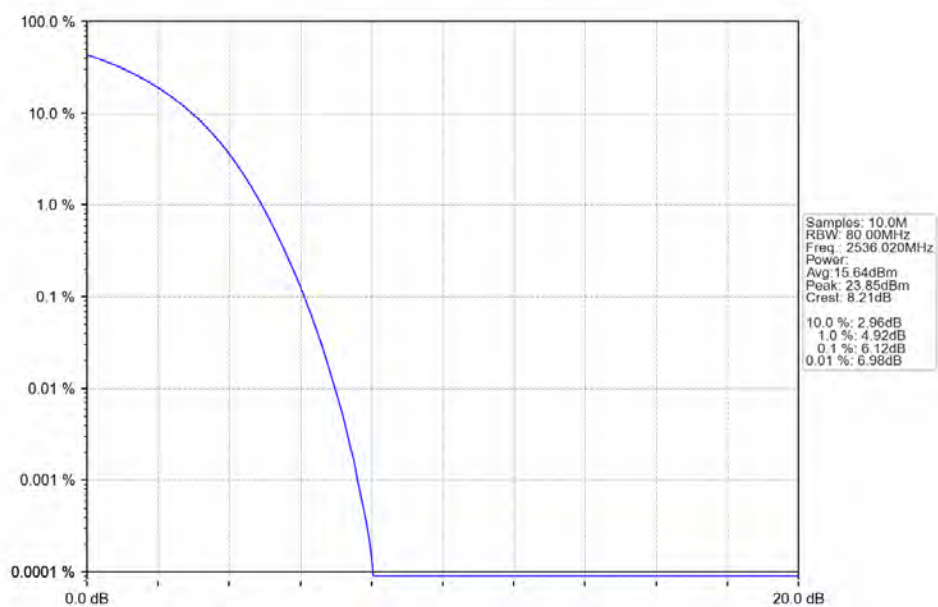
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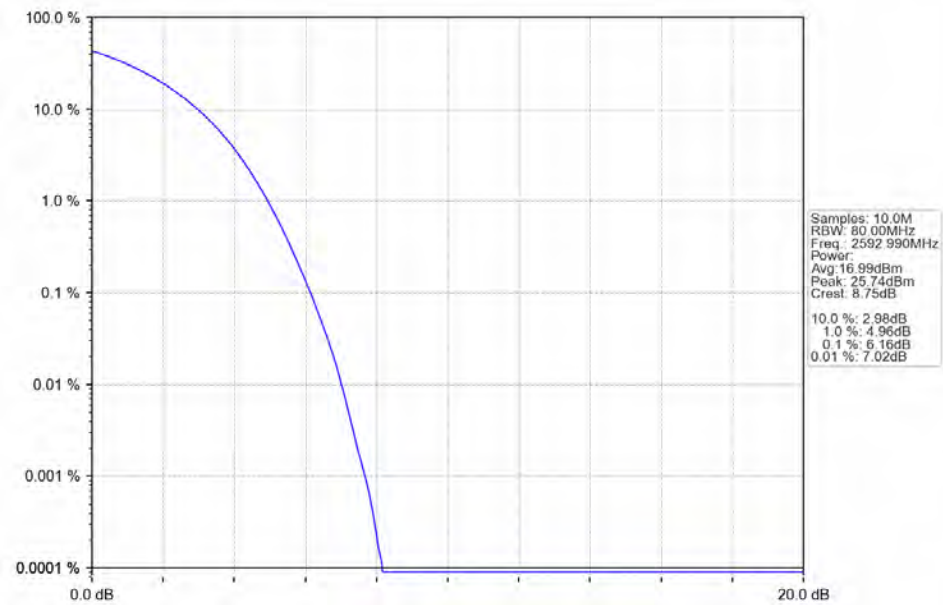
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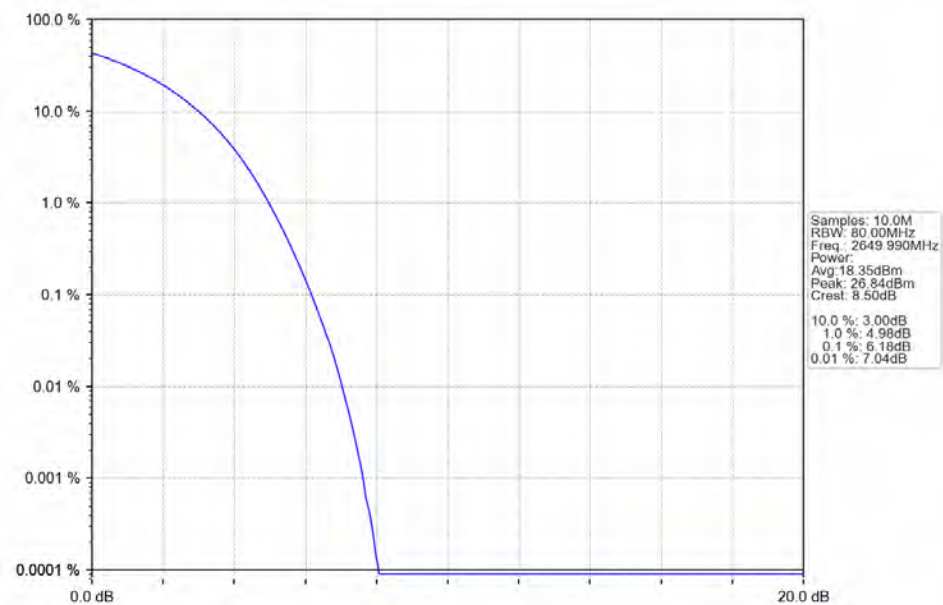
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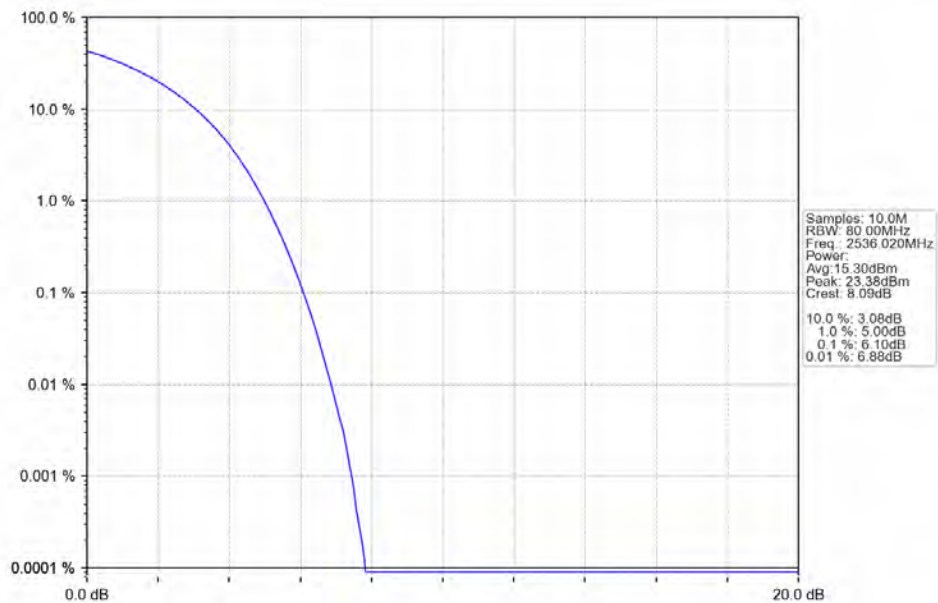
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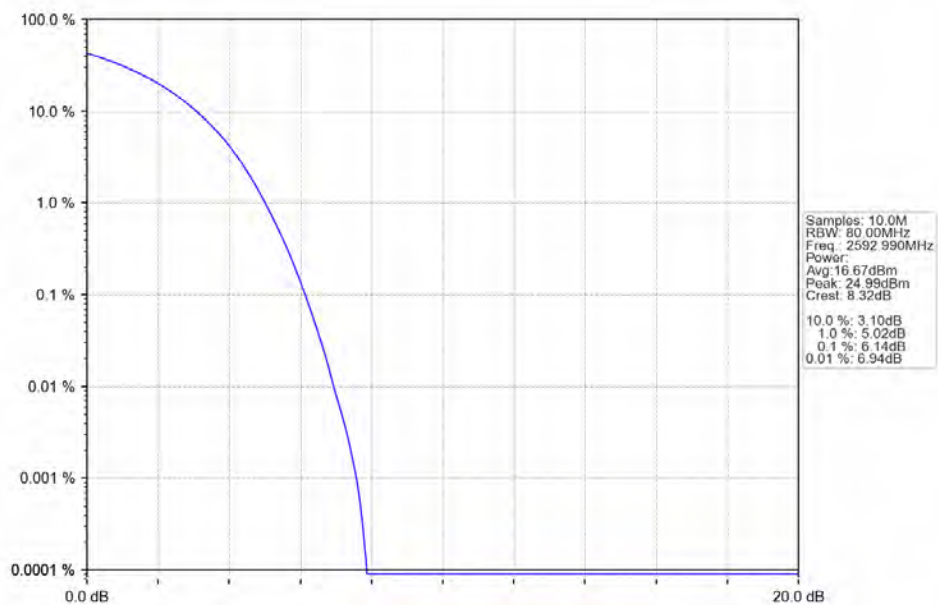
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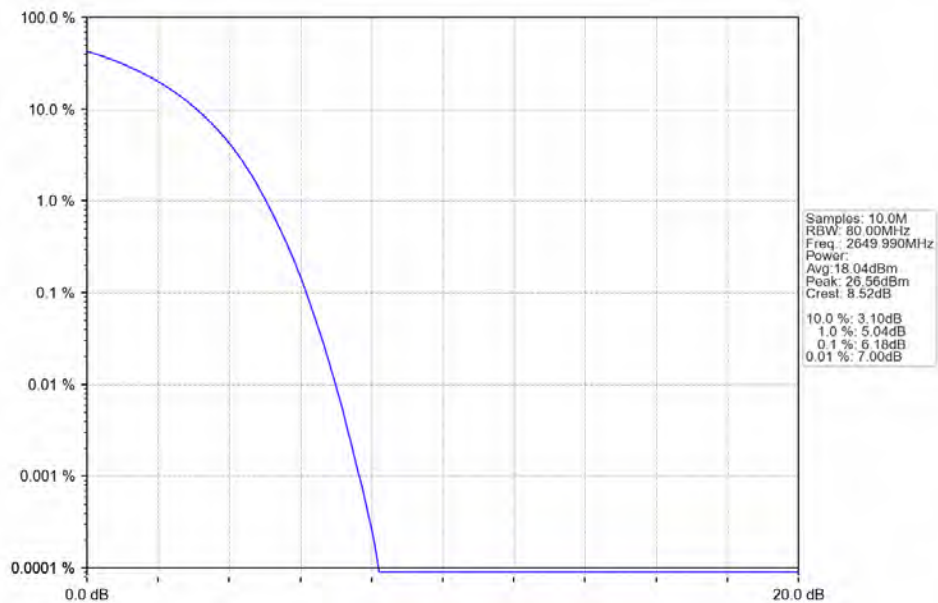
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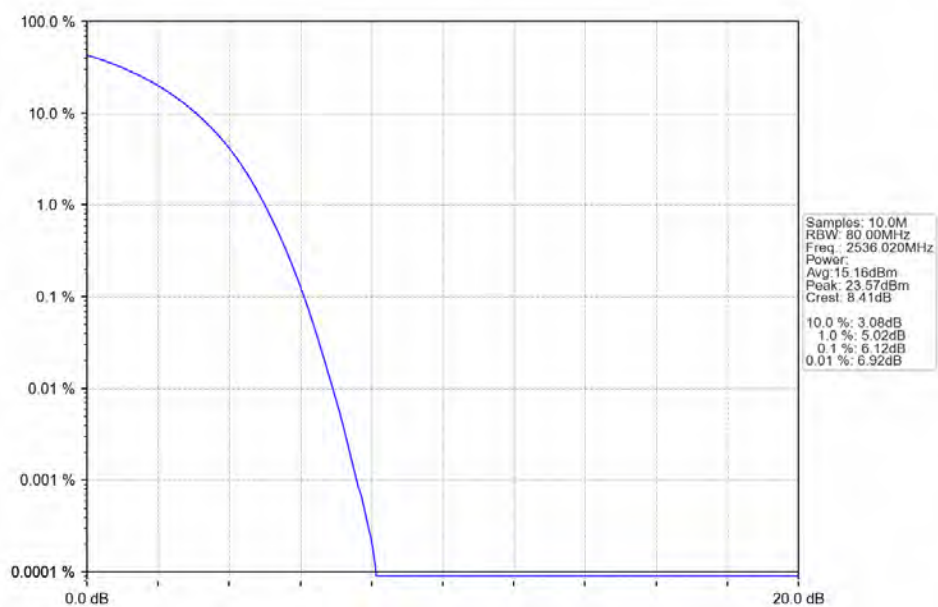
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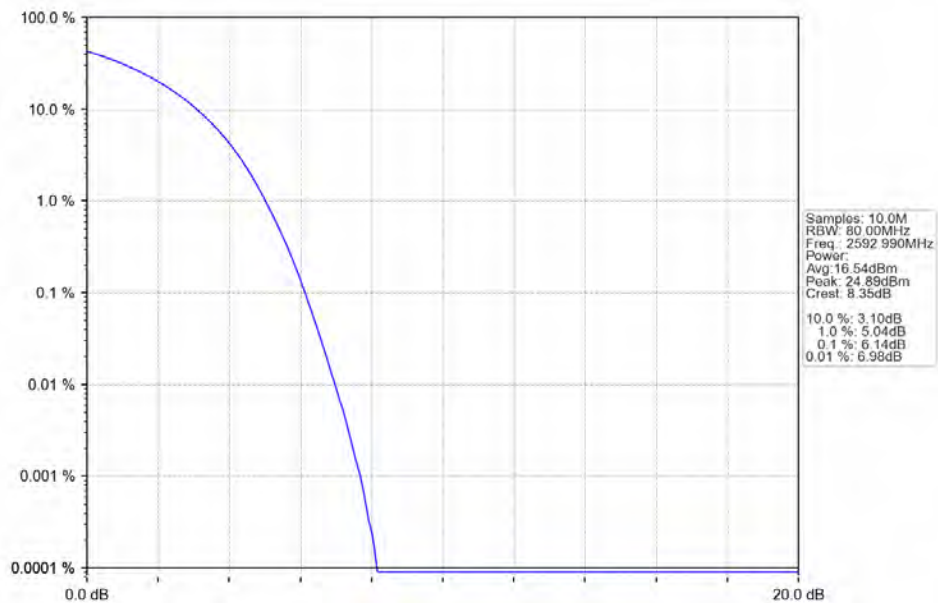
n41_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_16_QAM_2649.99MHz_Outer_Full_Ant1



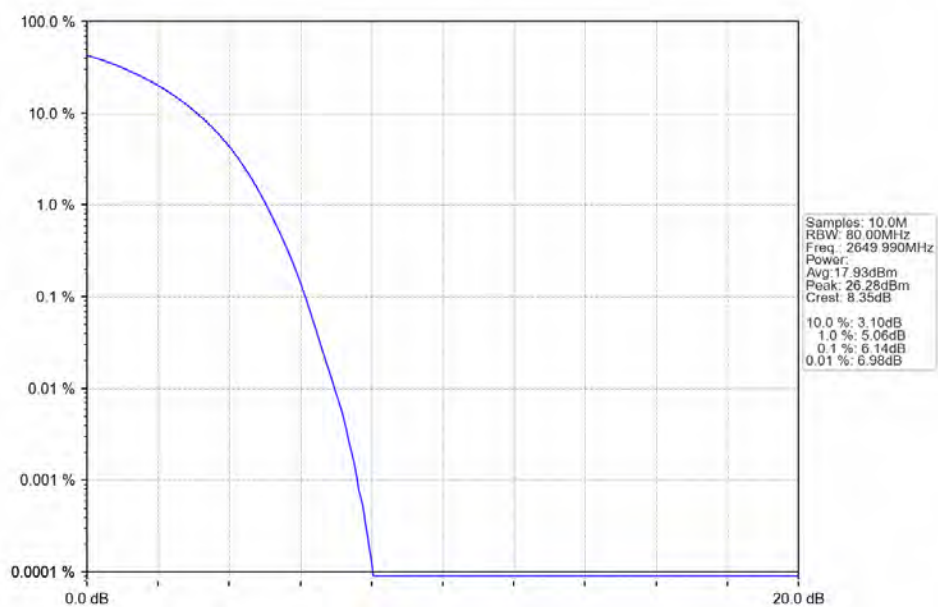
n41_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_64_QAM_2536.02MHz_Outer_Full_Ant1



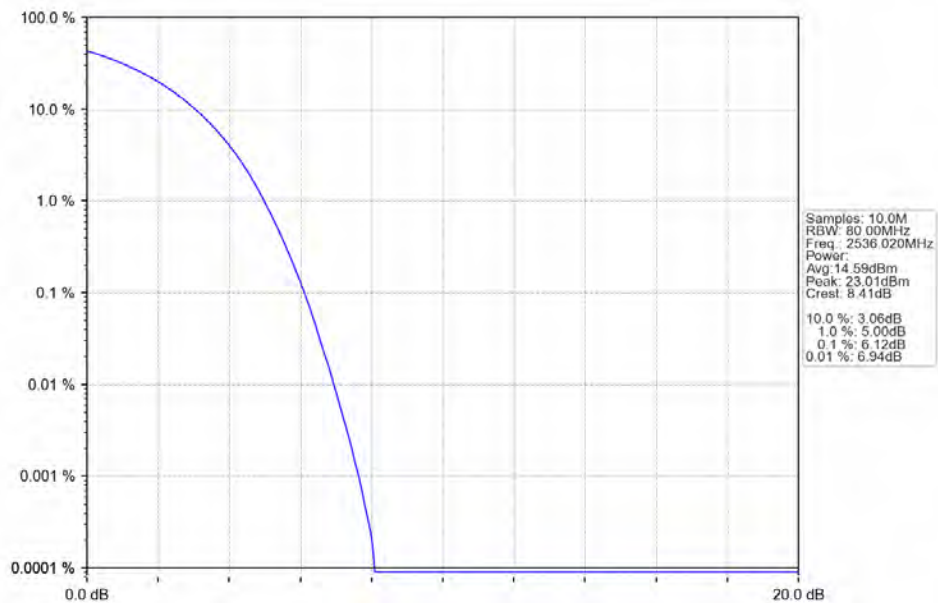
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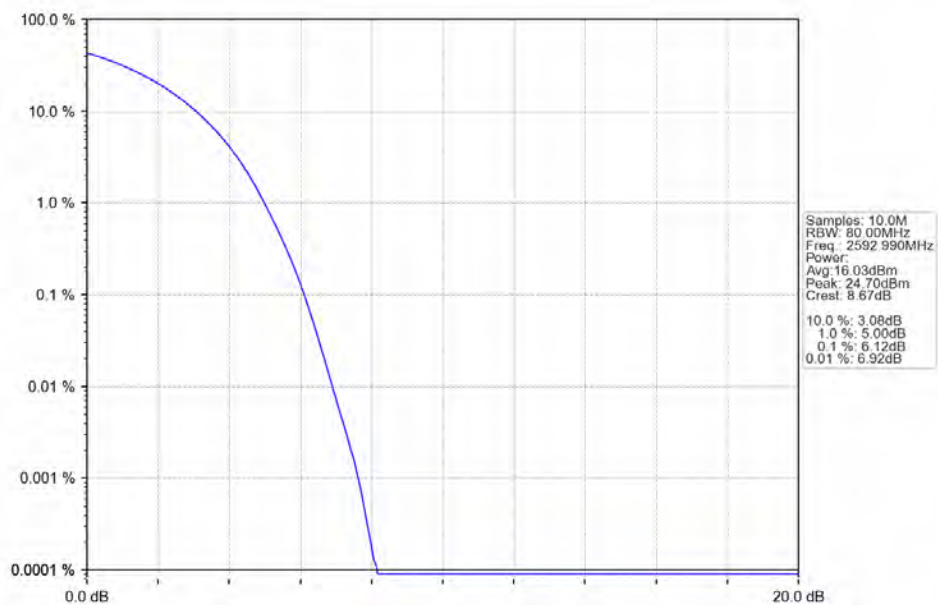
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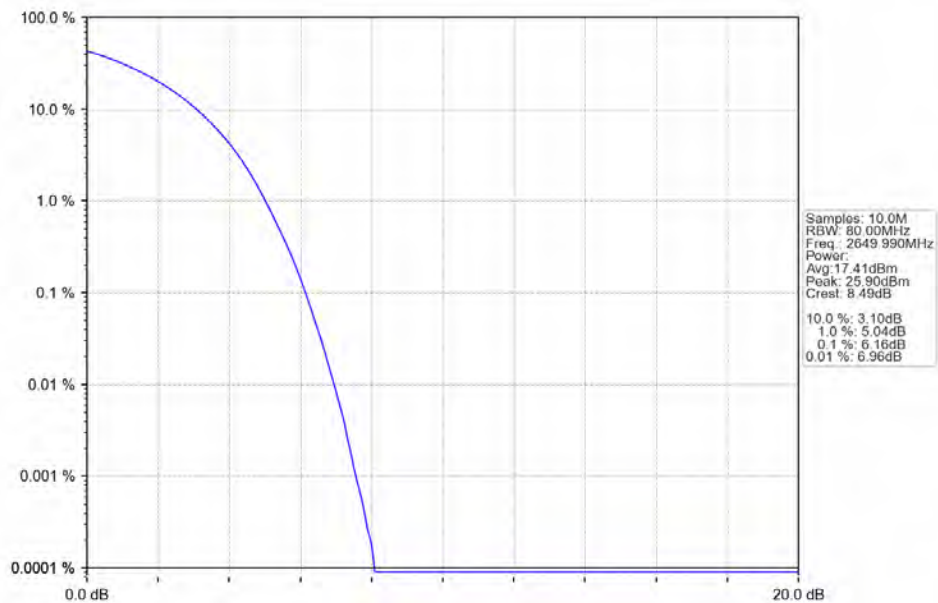
n41_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_256_QAM_2536.02MHz_Outer_Full_Ant1



n41_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_256_QAM_2592.99MHz_Outer_Full_Ant1



n41_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_256_QAM_2649.99MHz_Outer_Full_Ant1



n41_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_2536.02MHz_Outer_Full_Ant1

