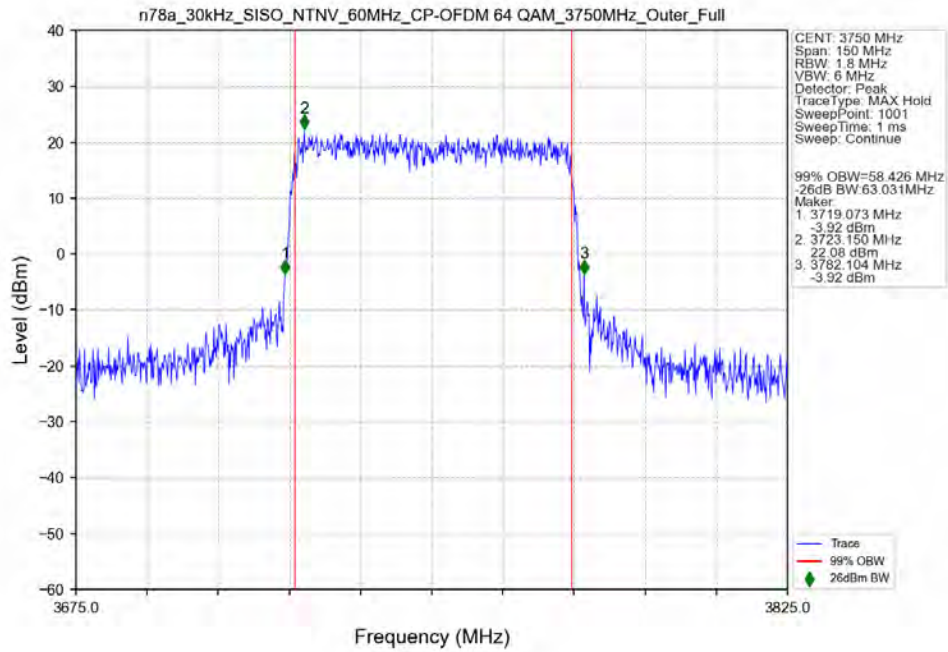
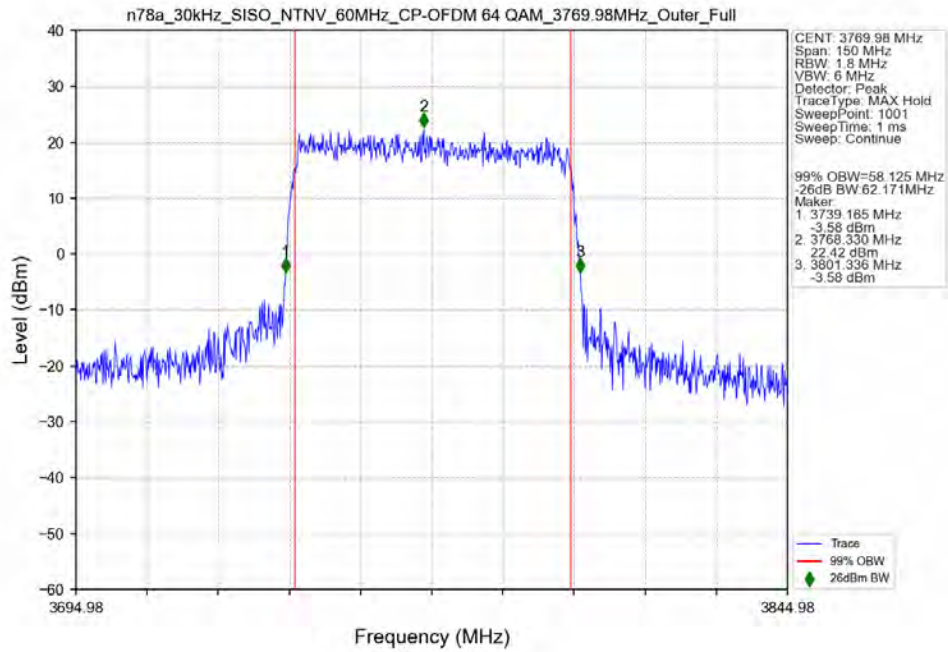


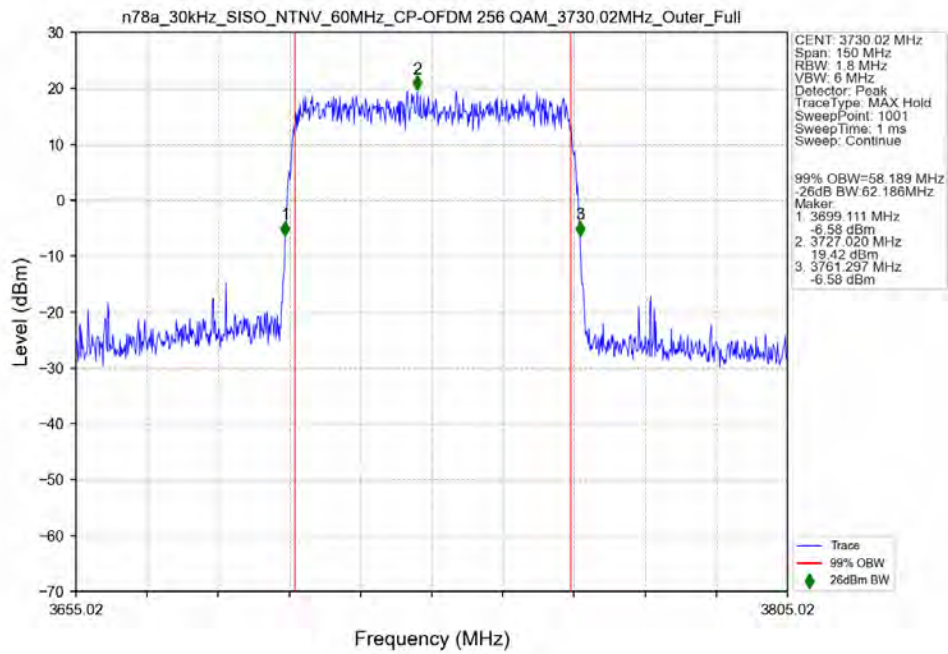
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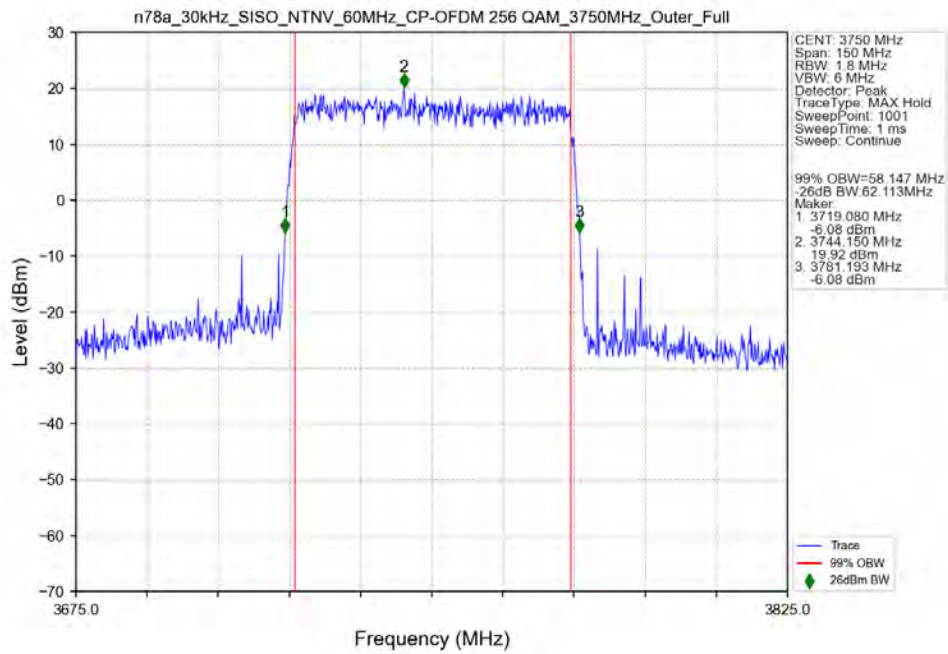
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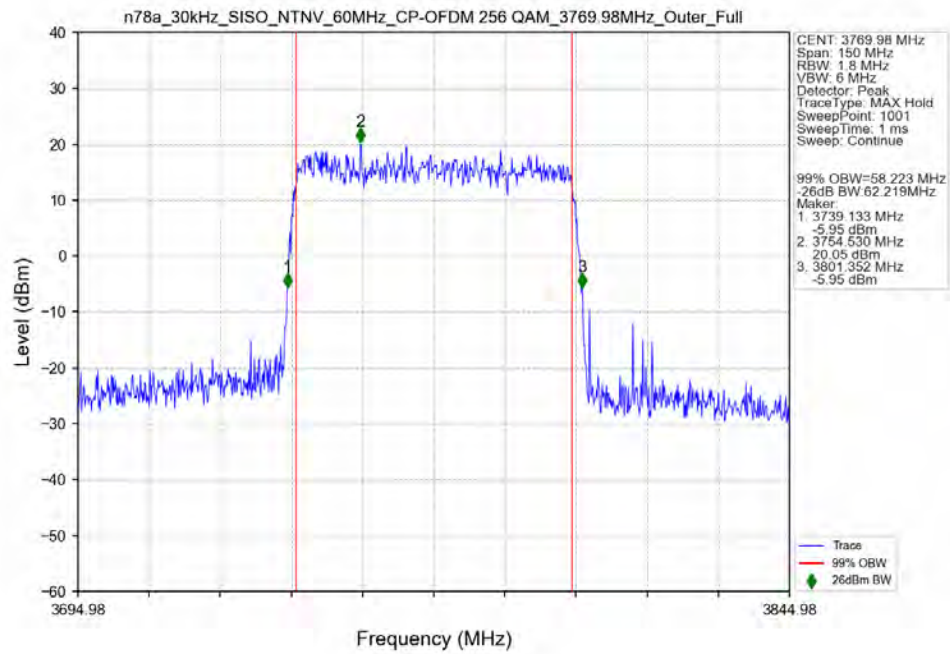
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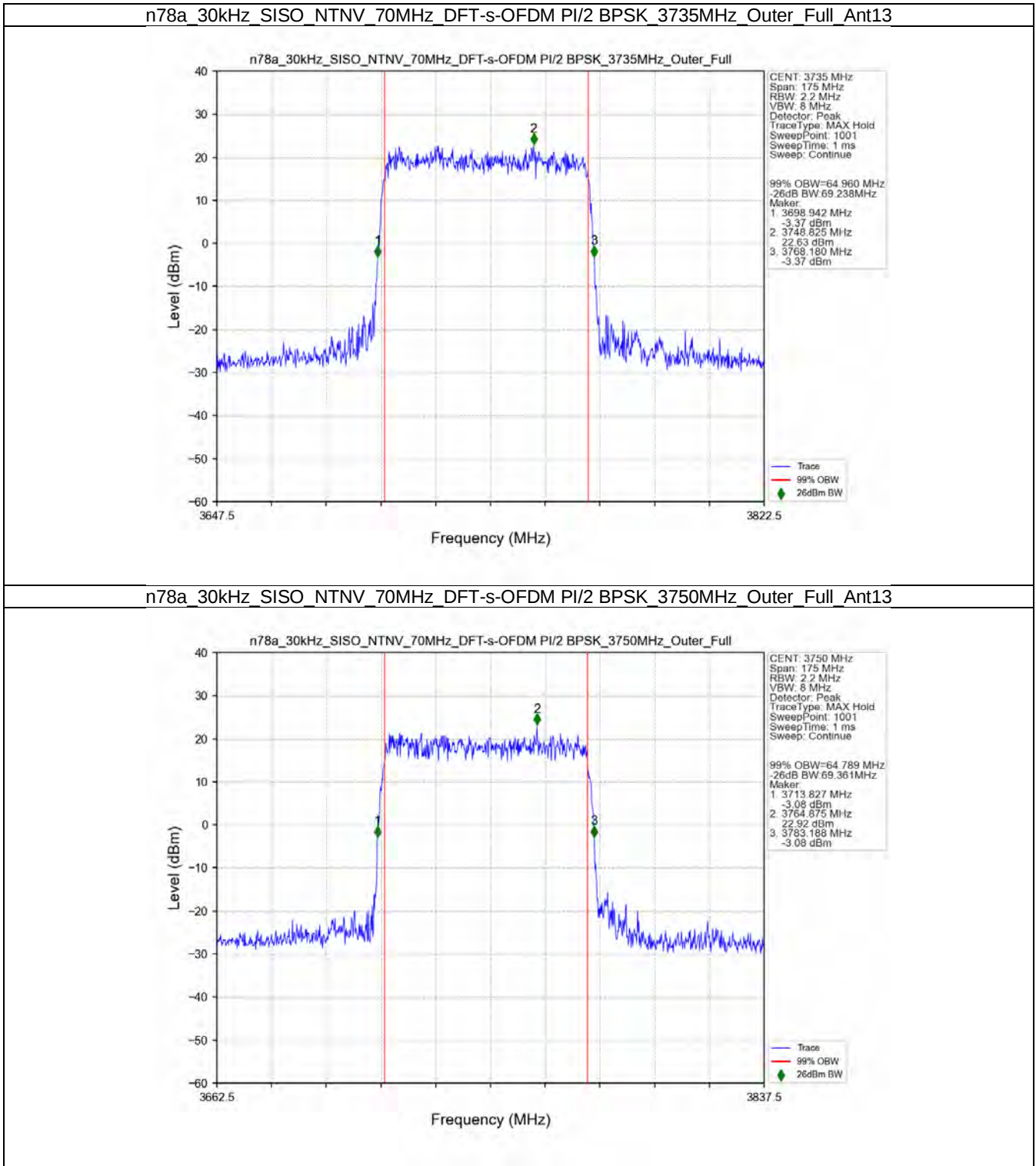
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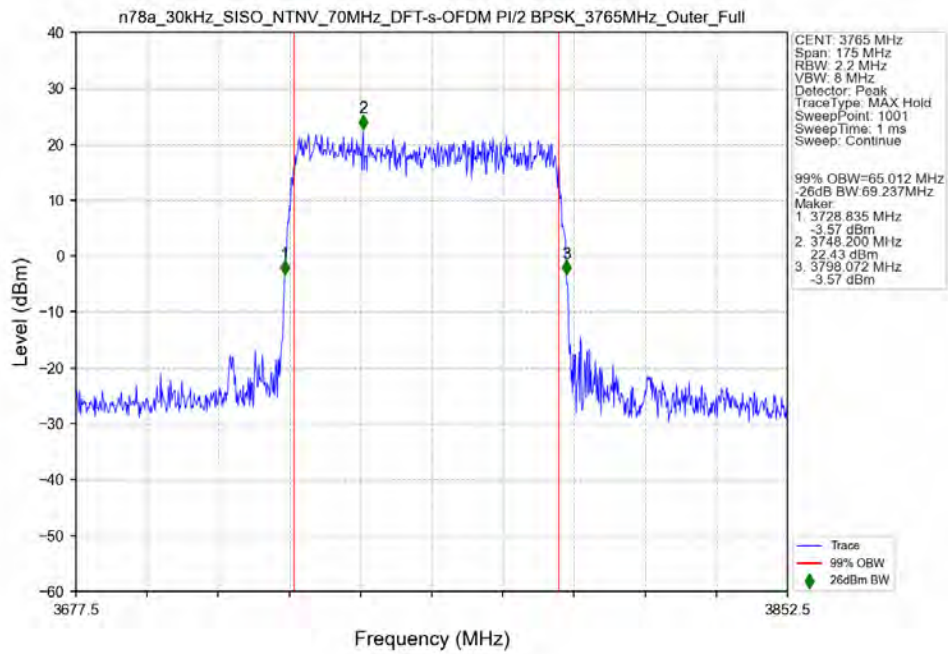
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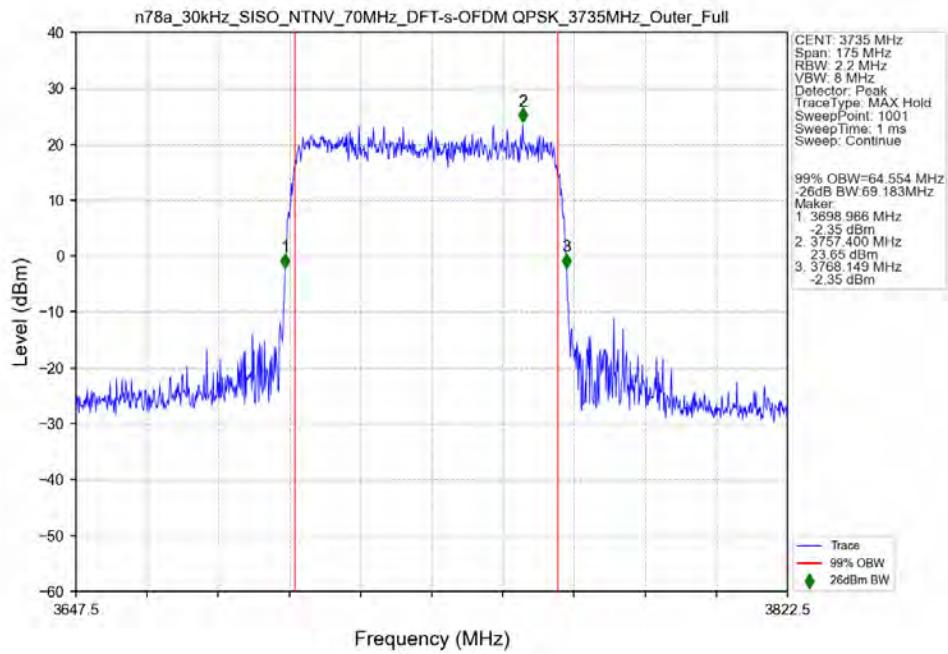
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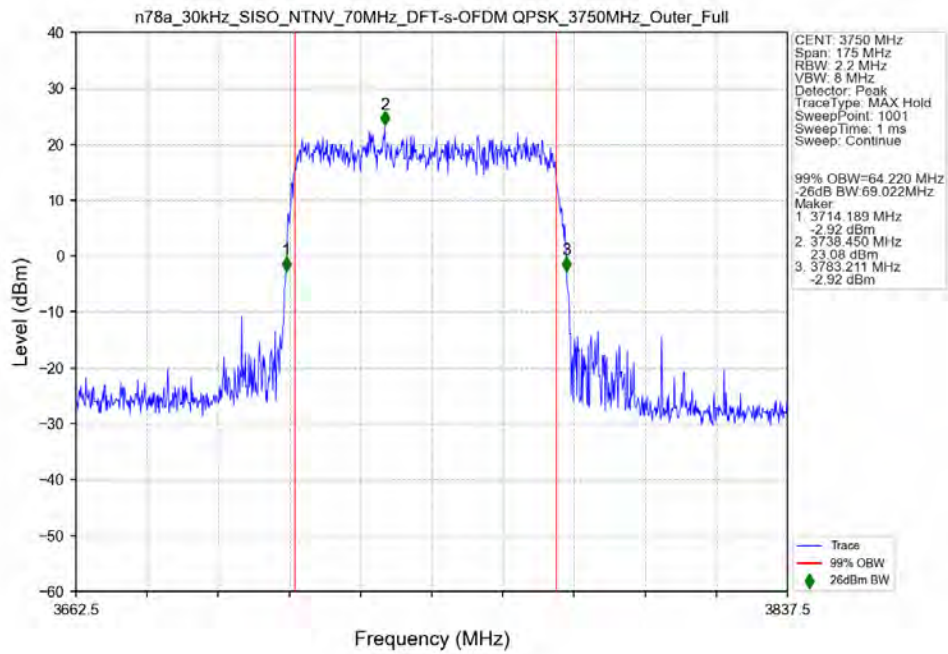
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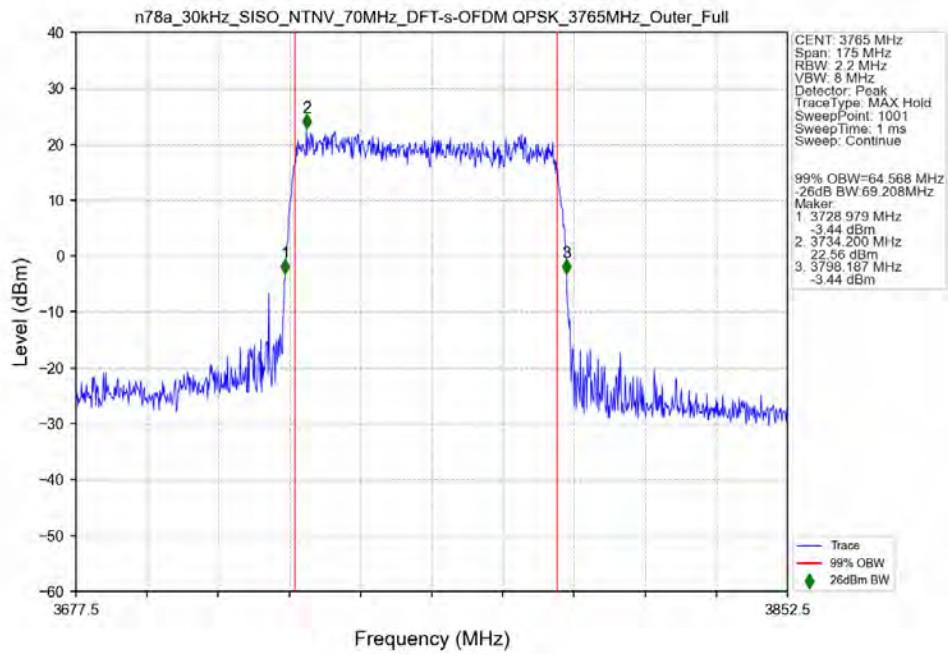
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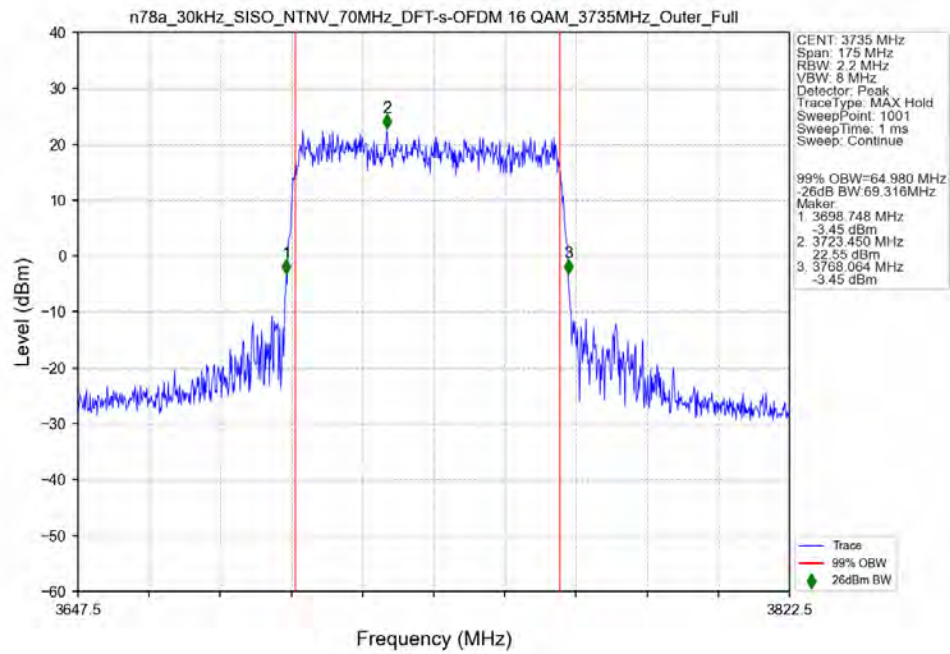
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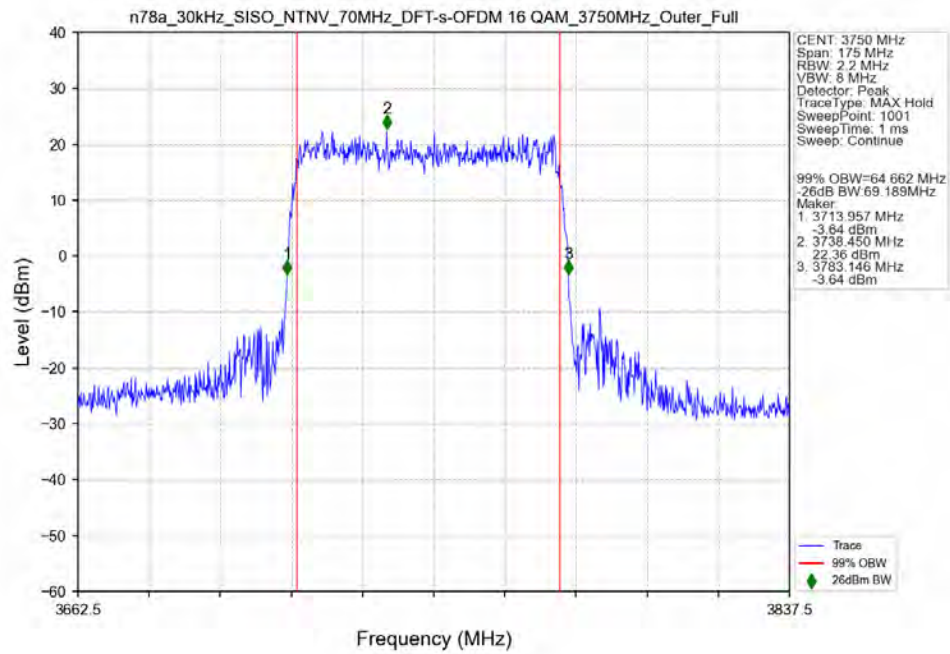
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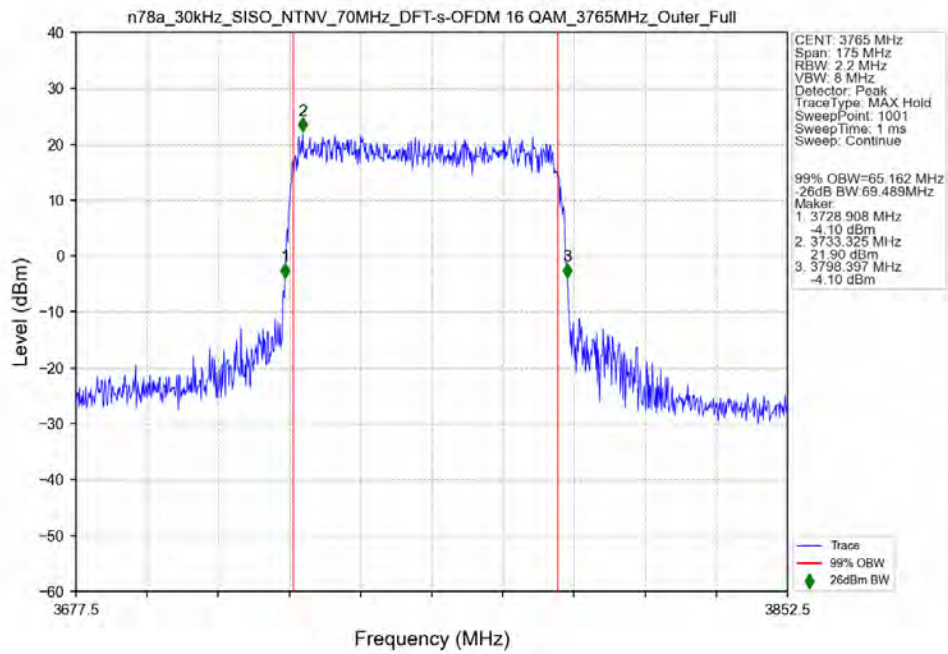
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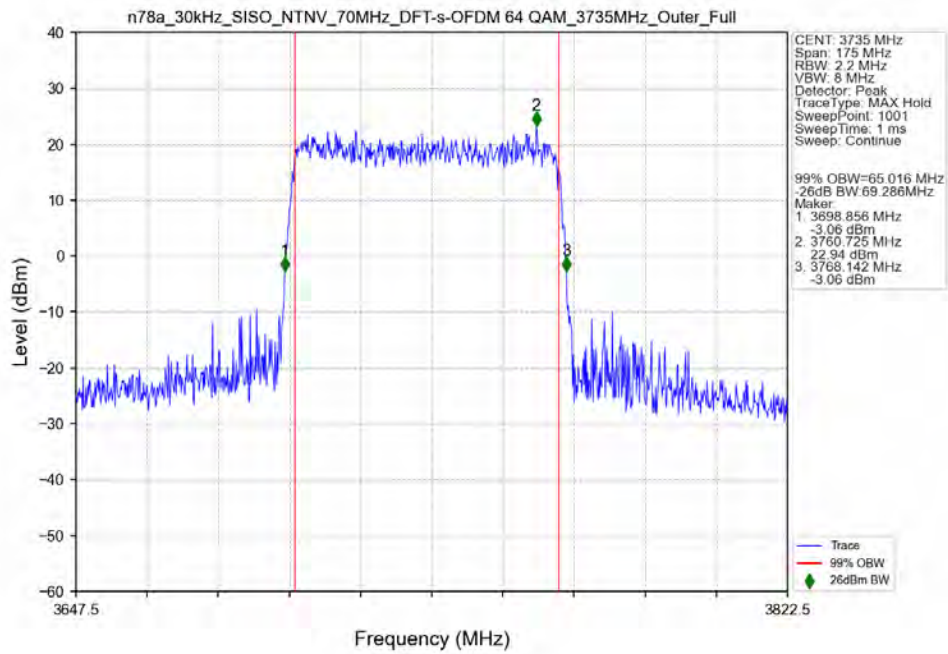
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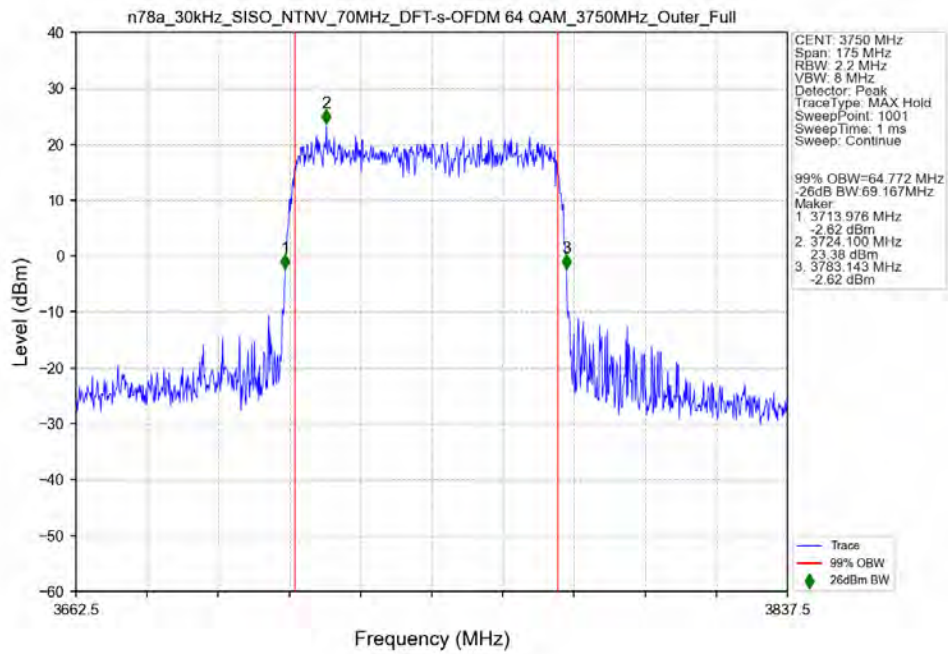
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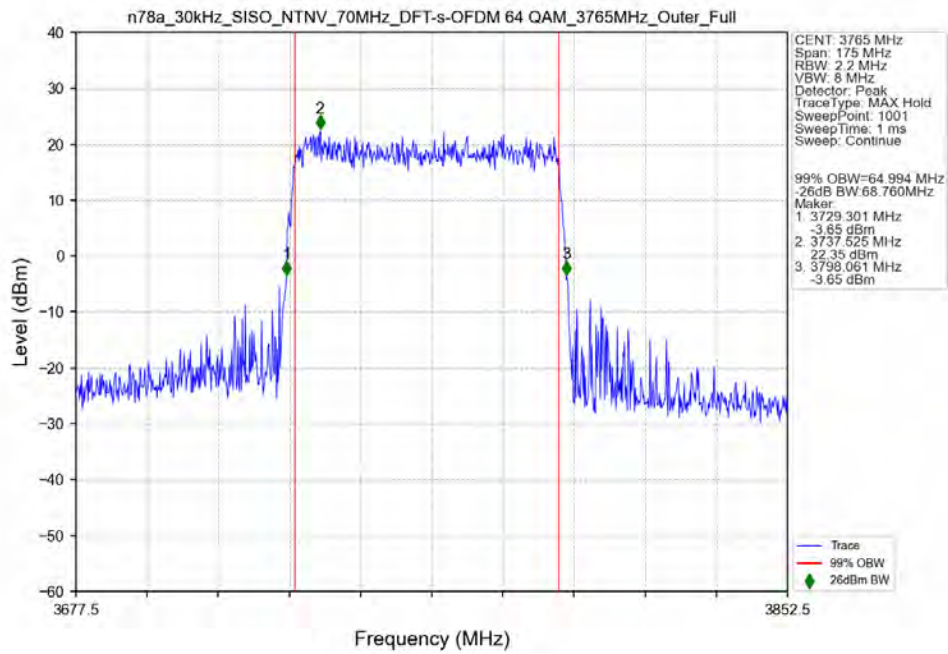
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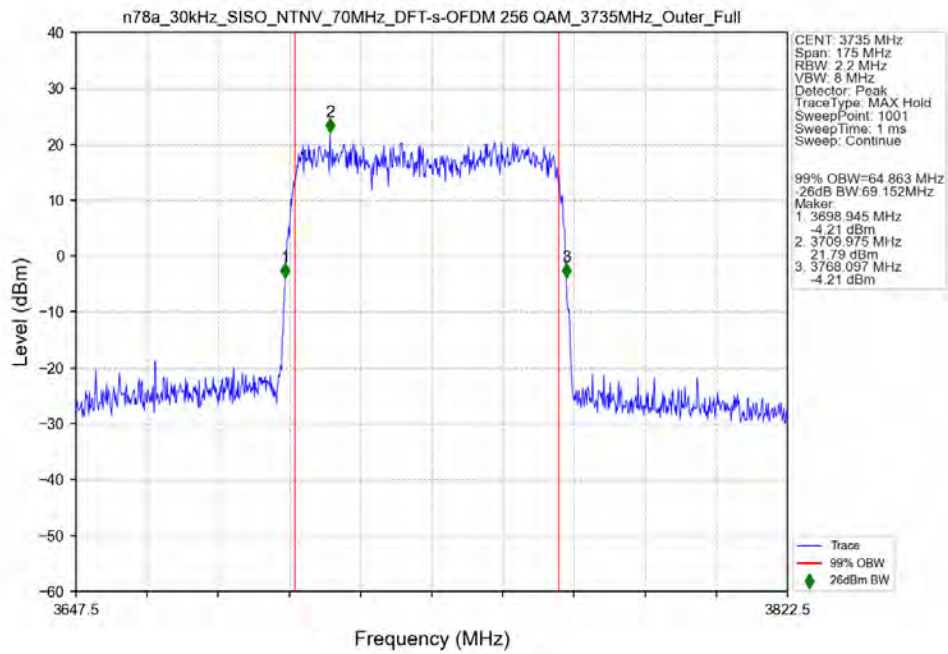
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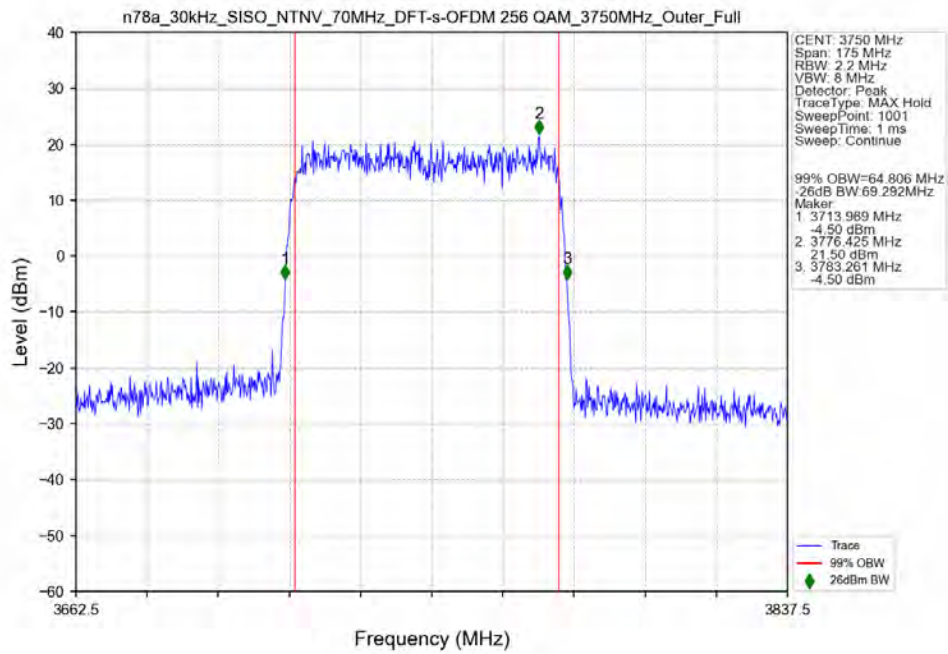
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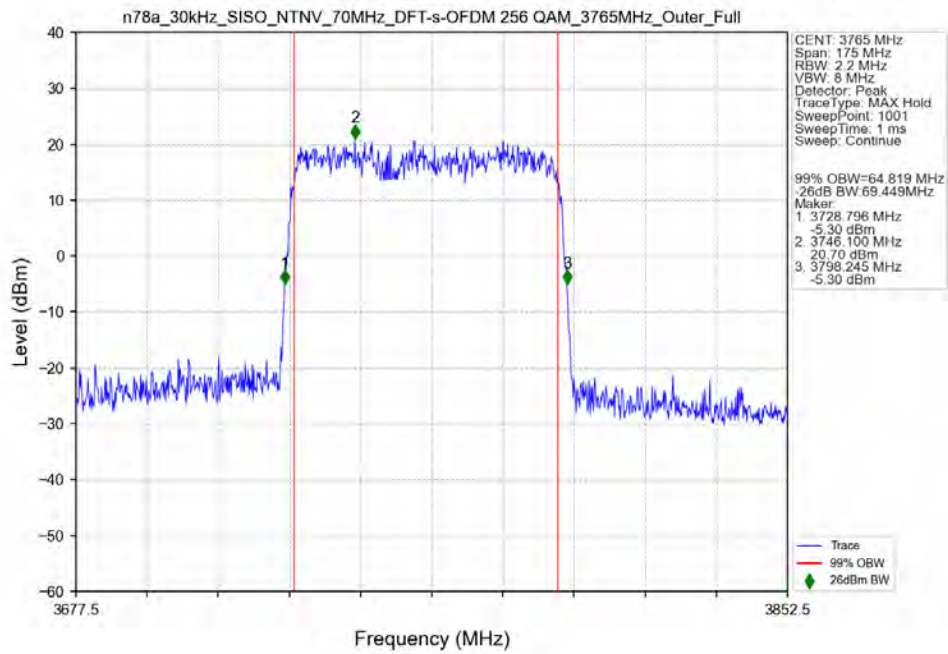
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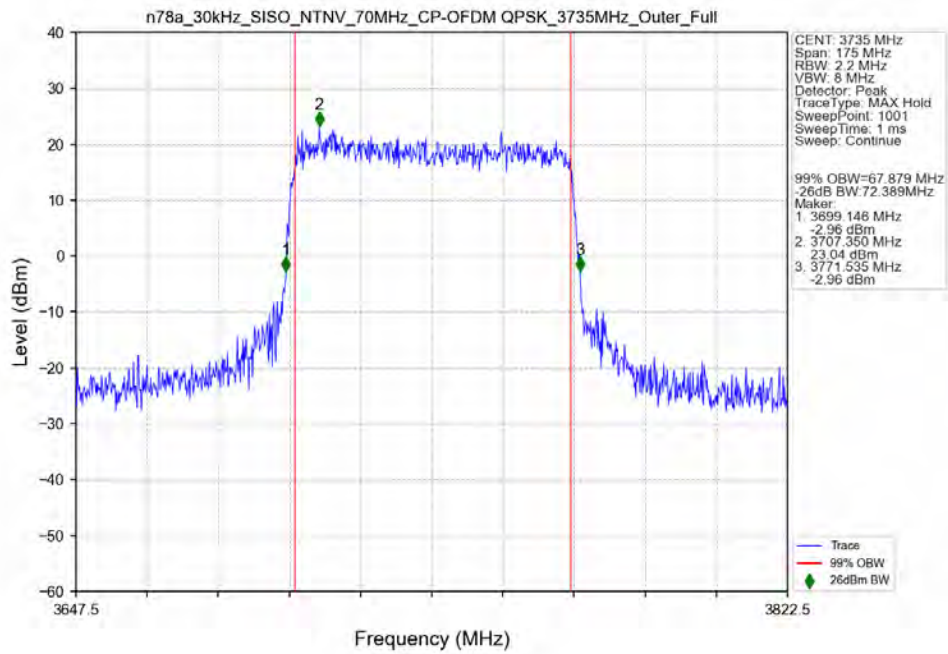
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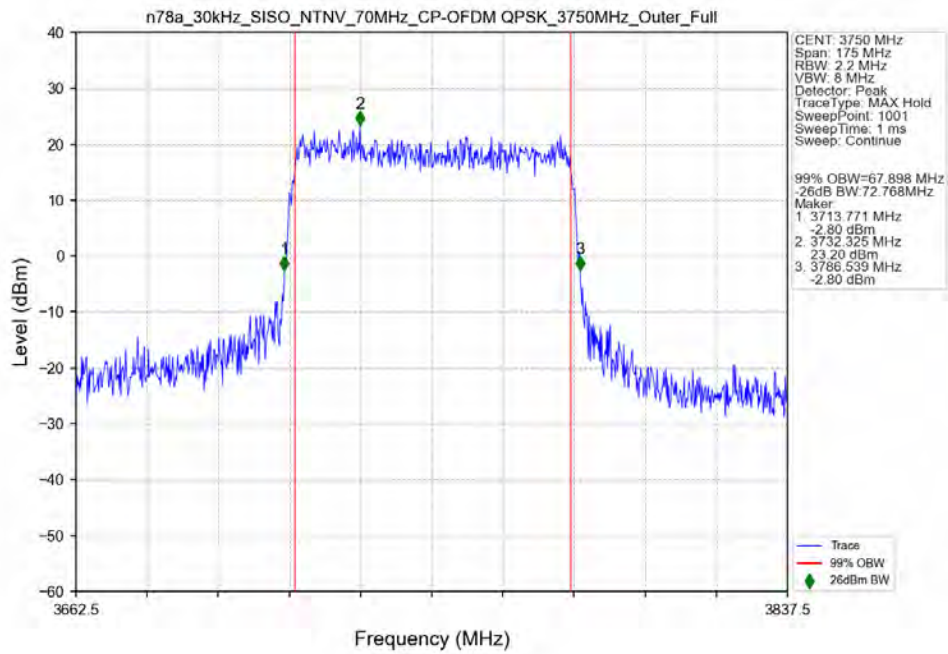
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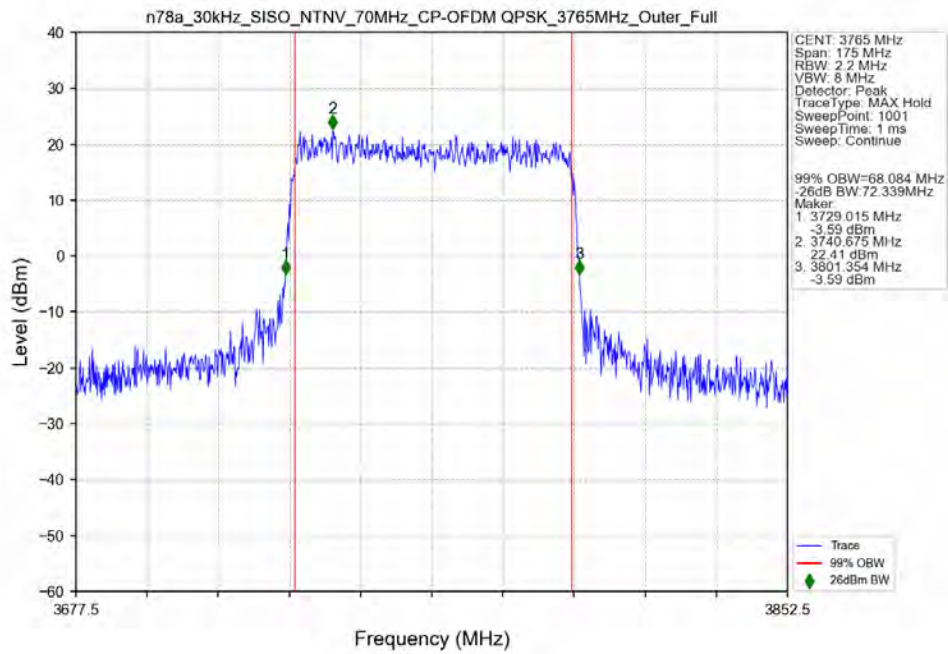
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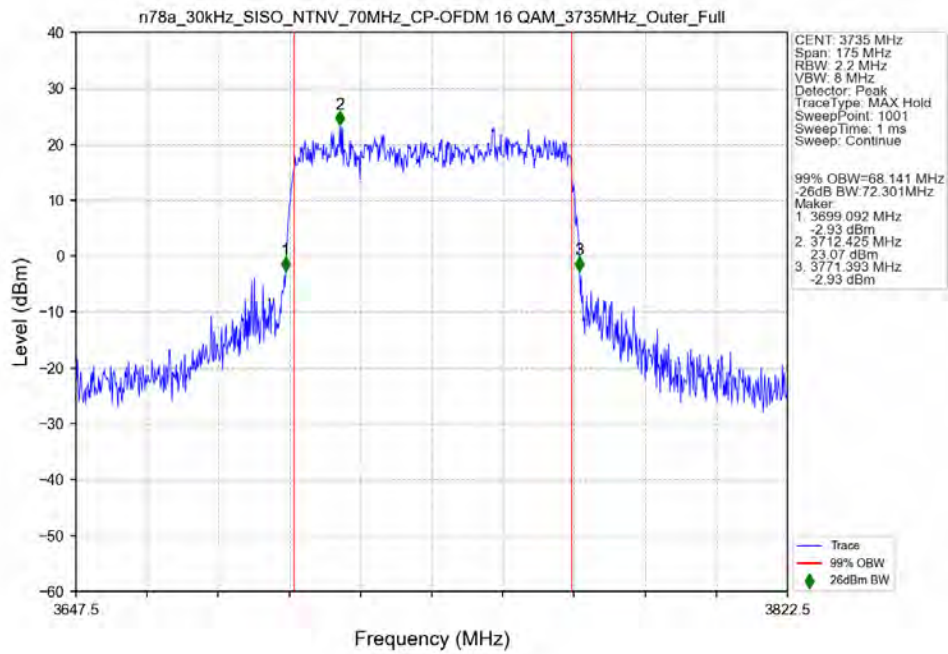
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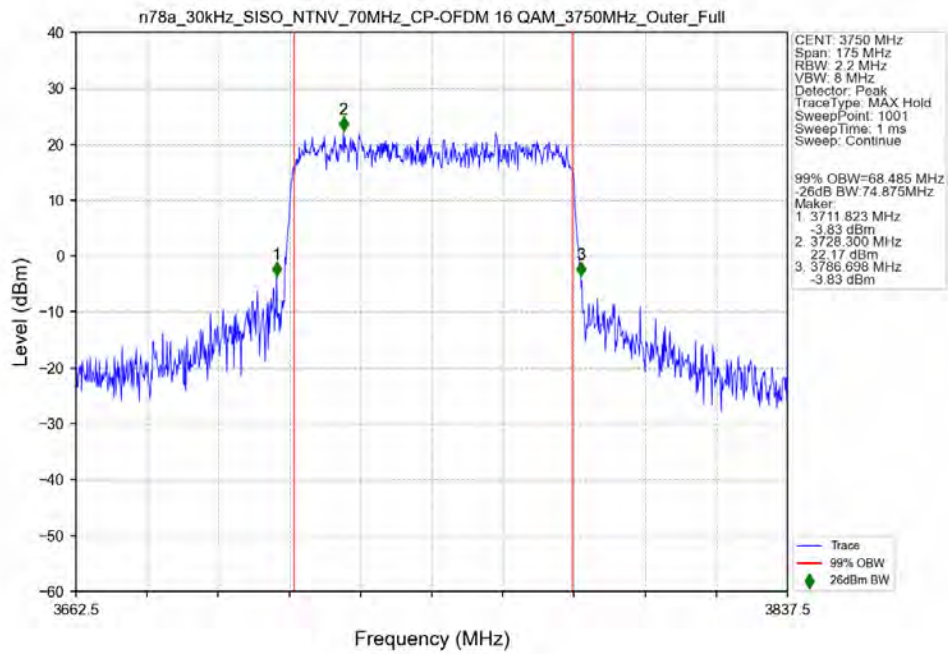
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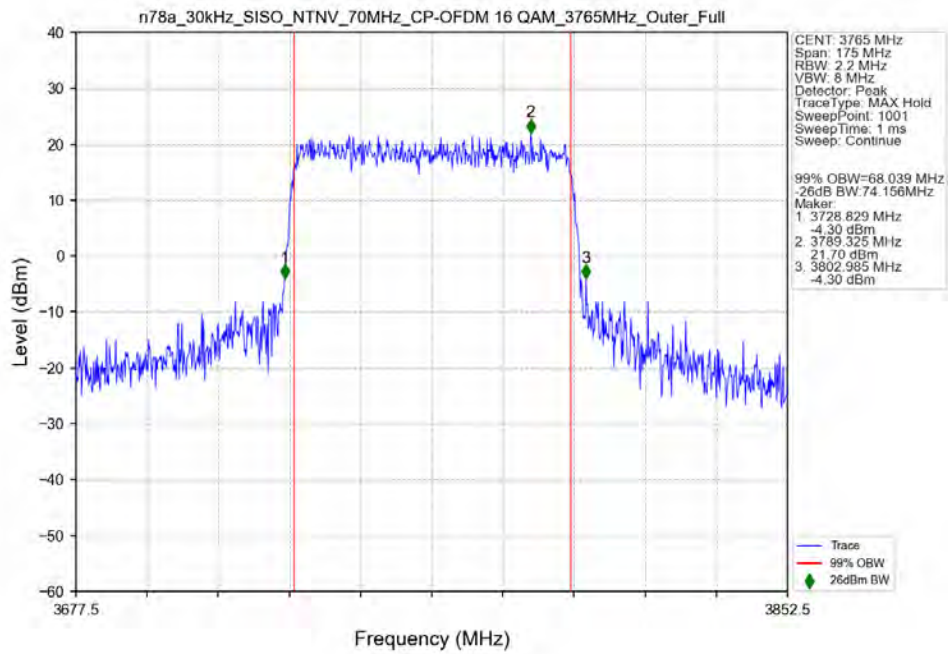
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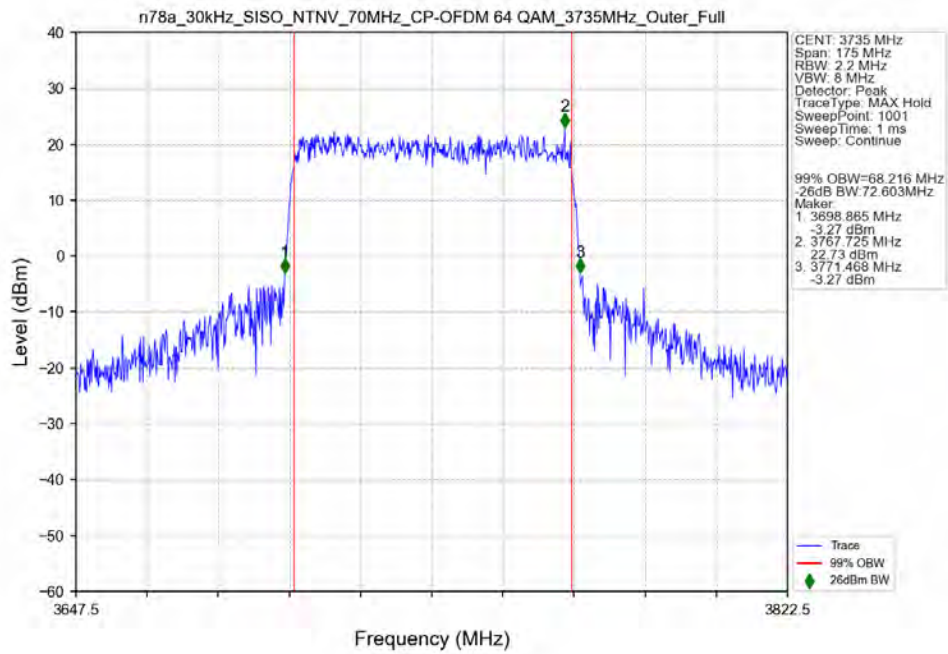
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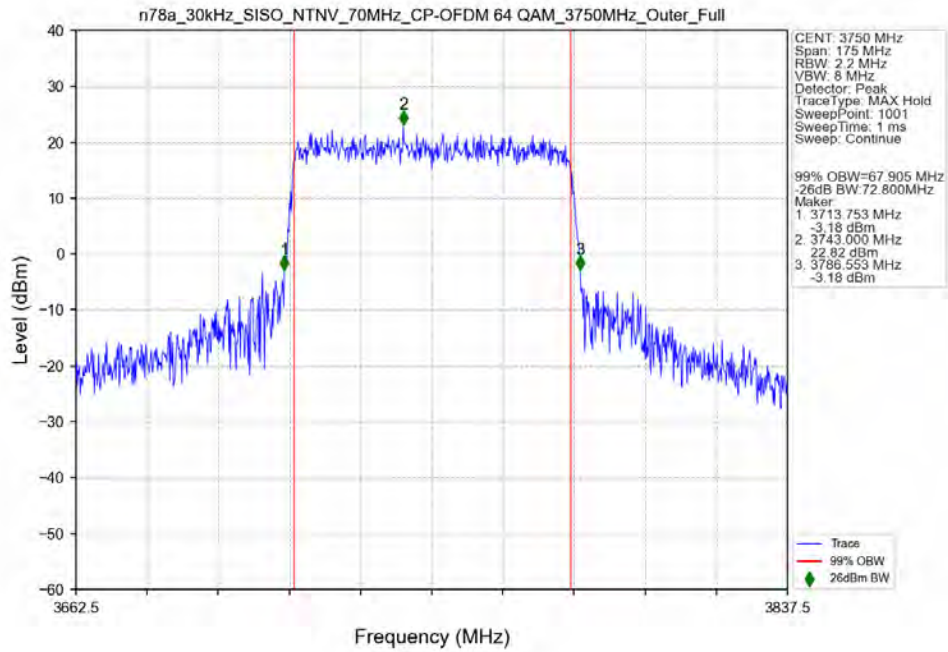
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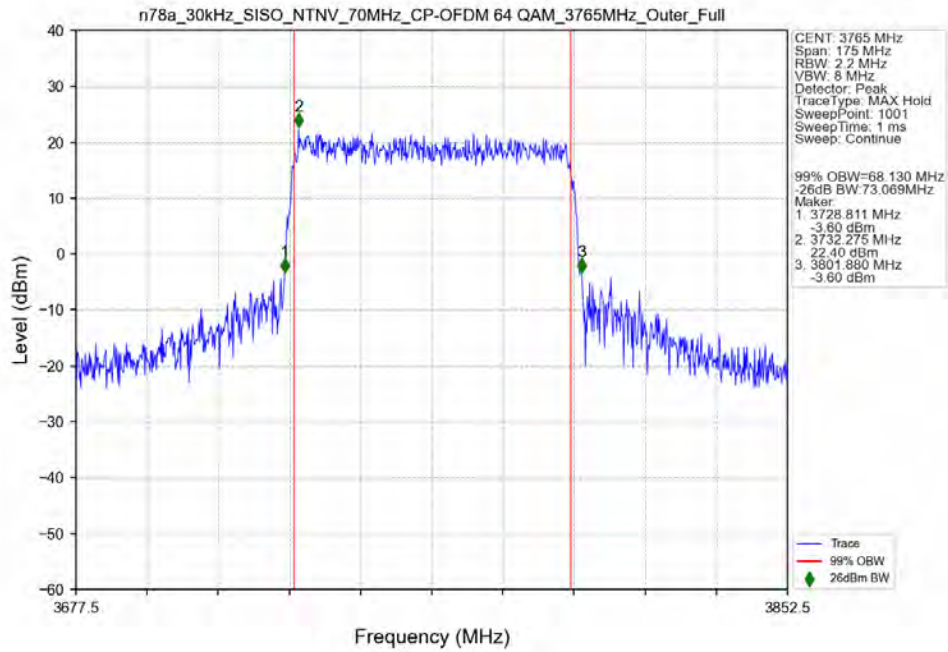
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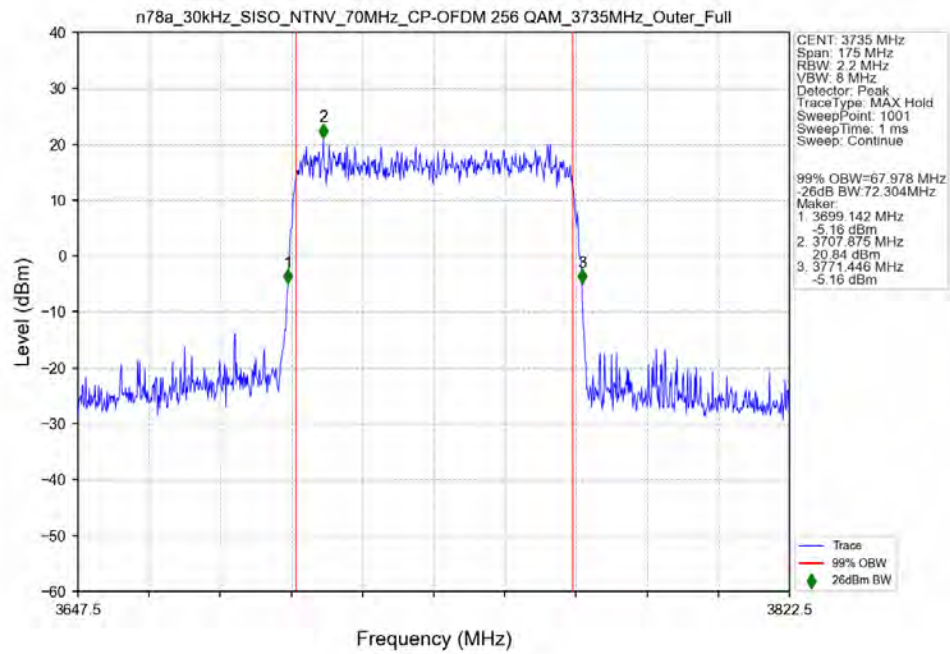
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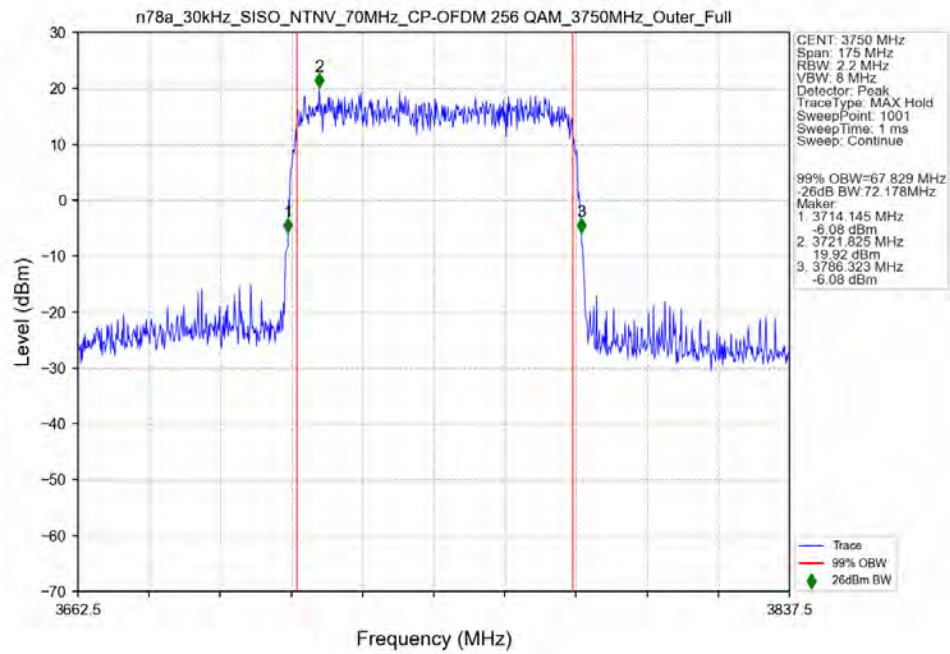
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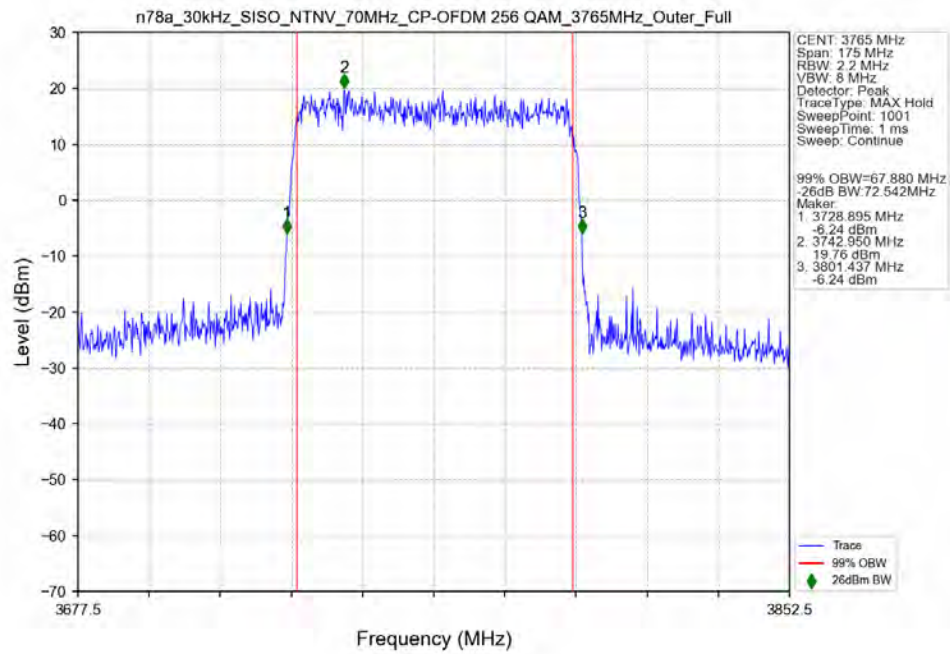
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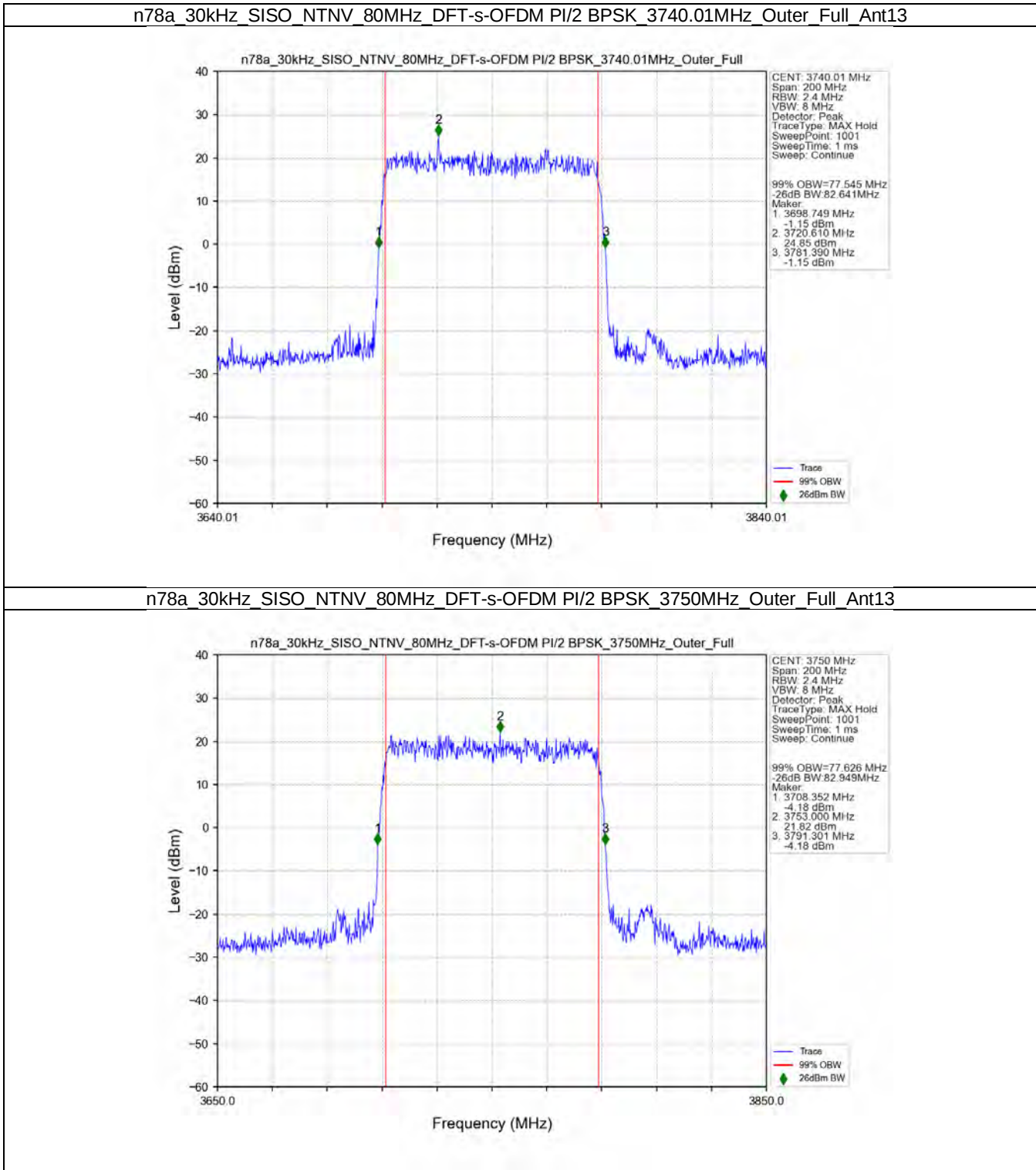
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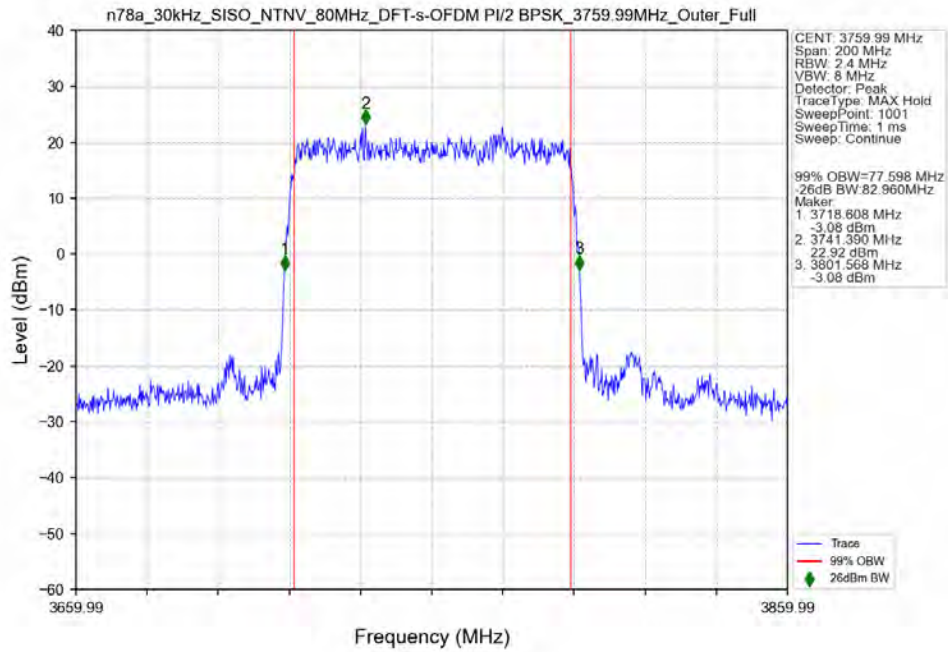
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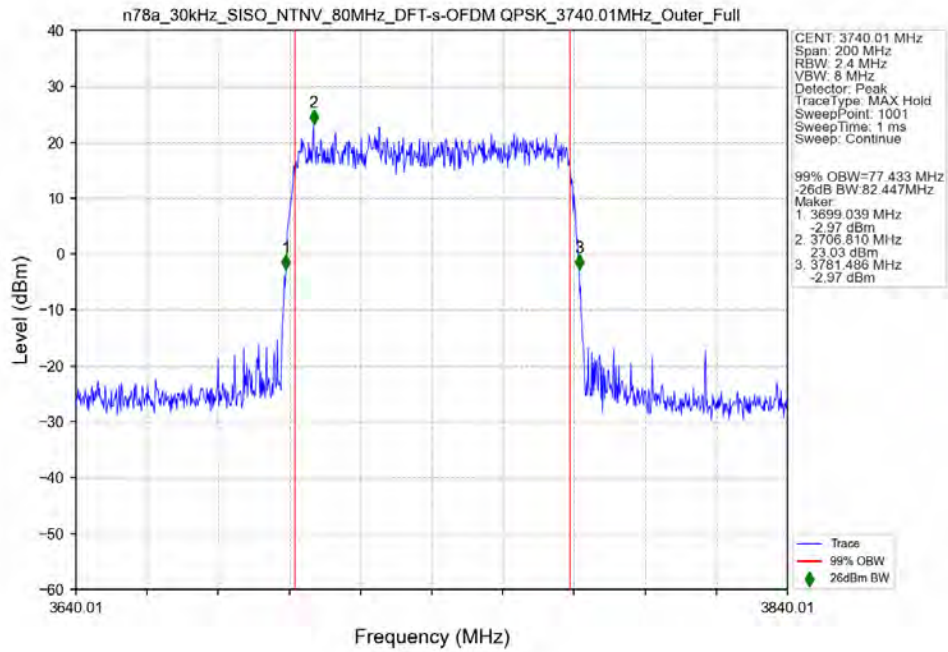
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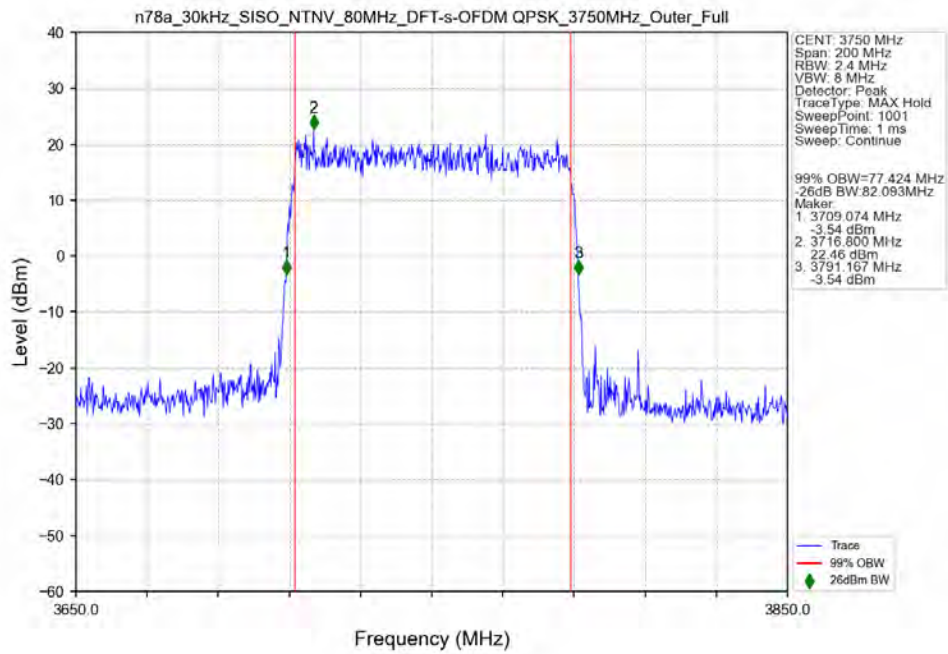
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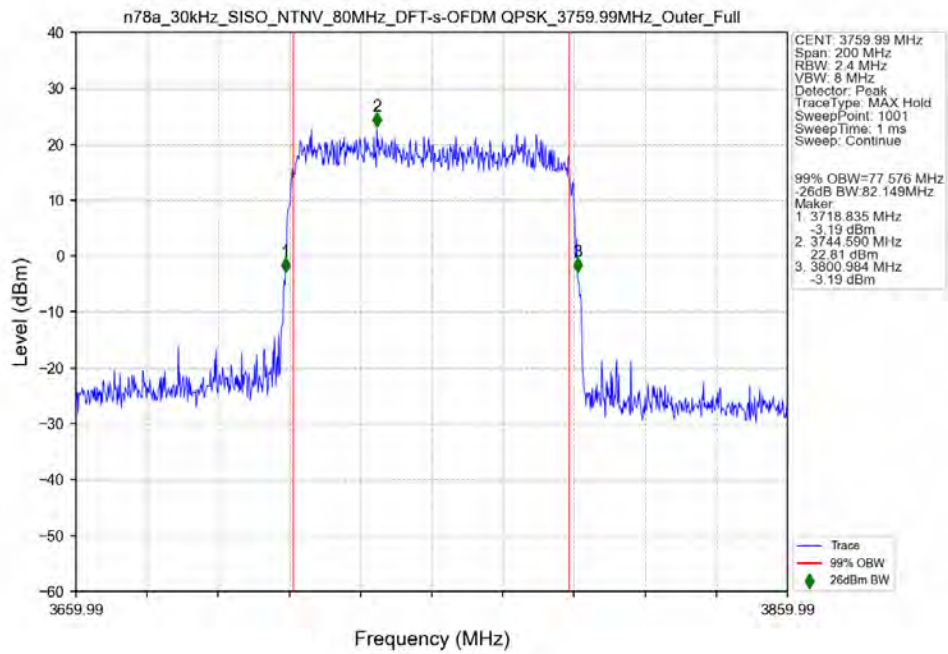
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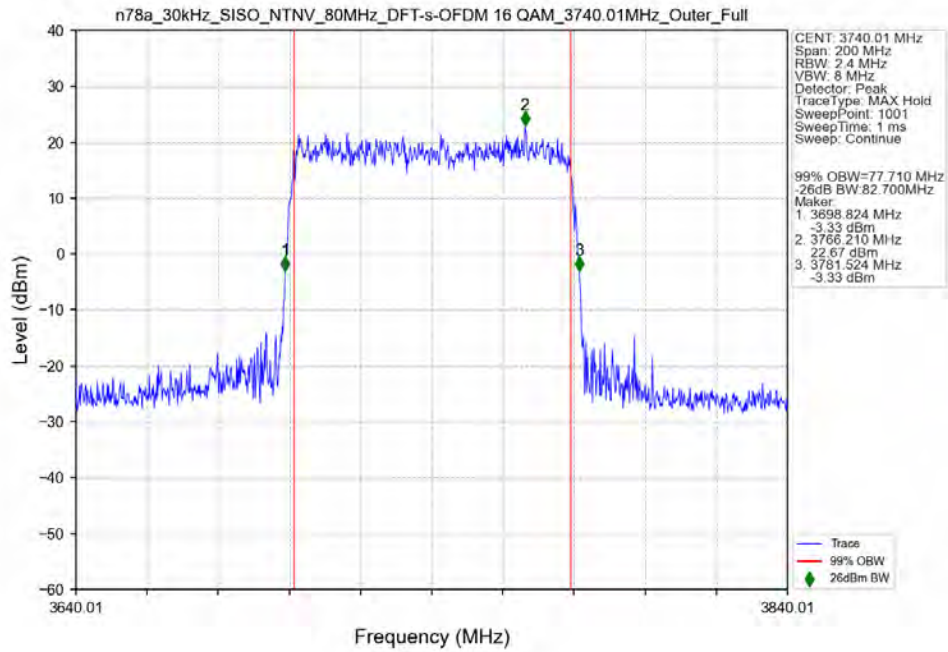
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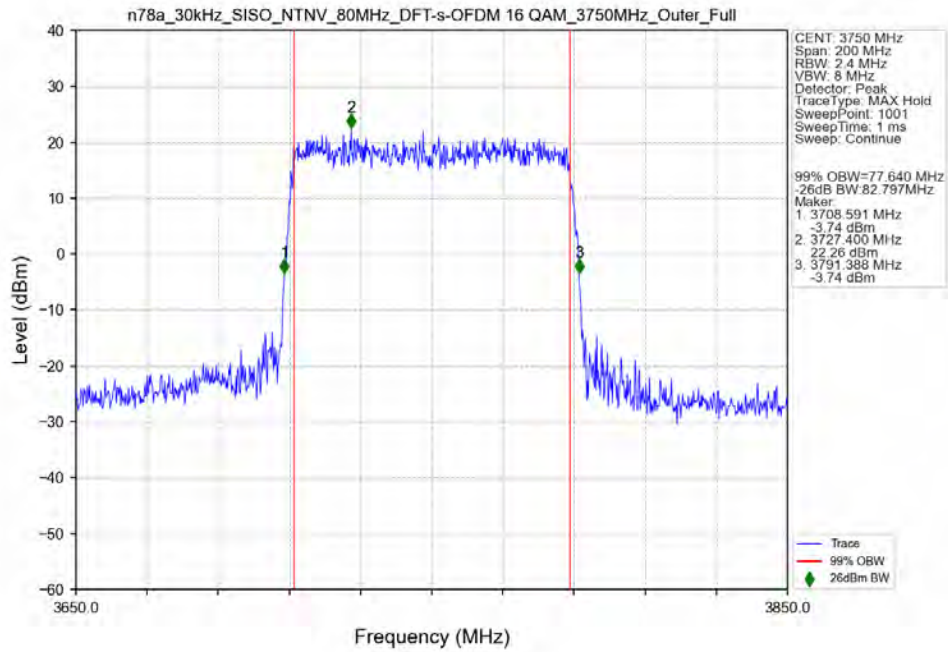
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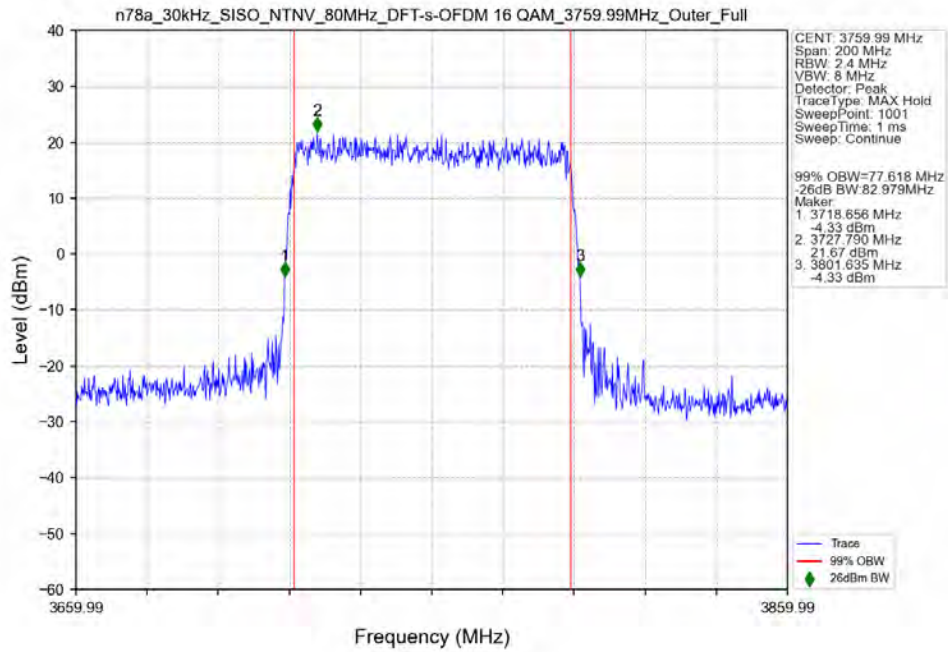
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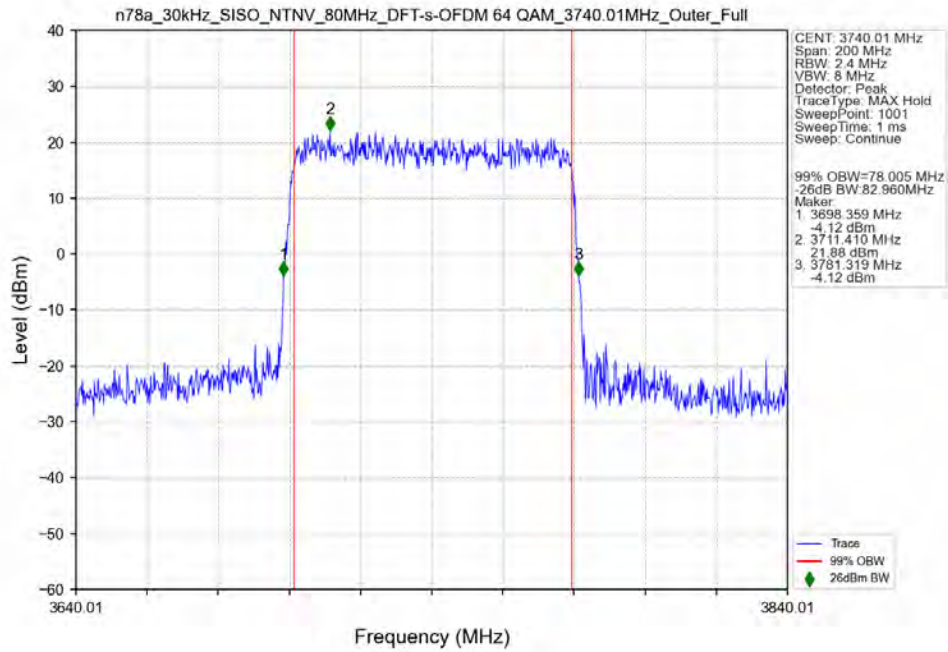
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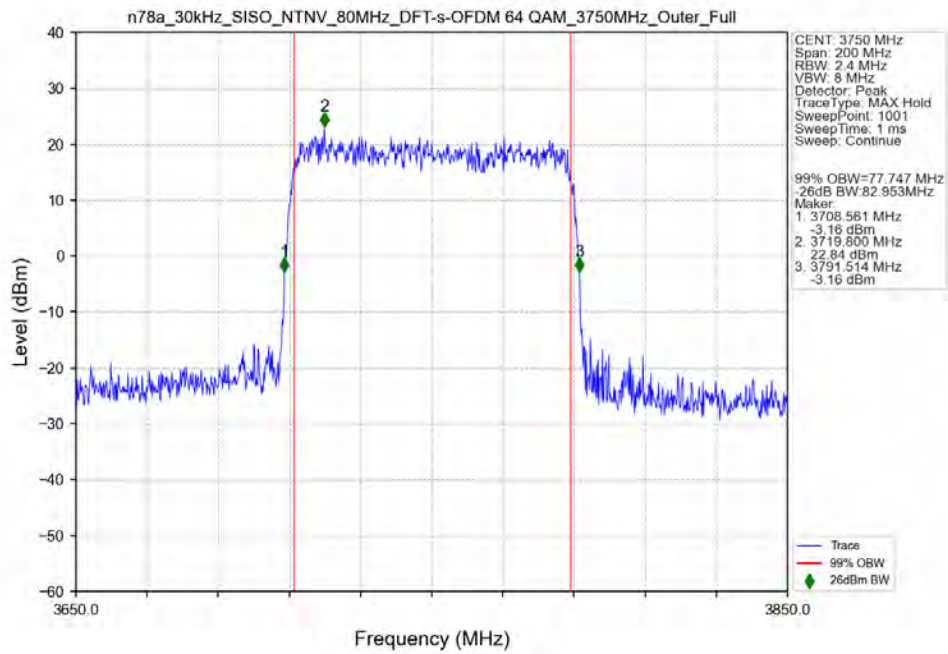
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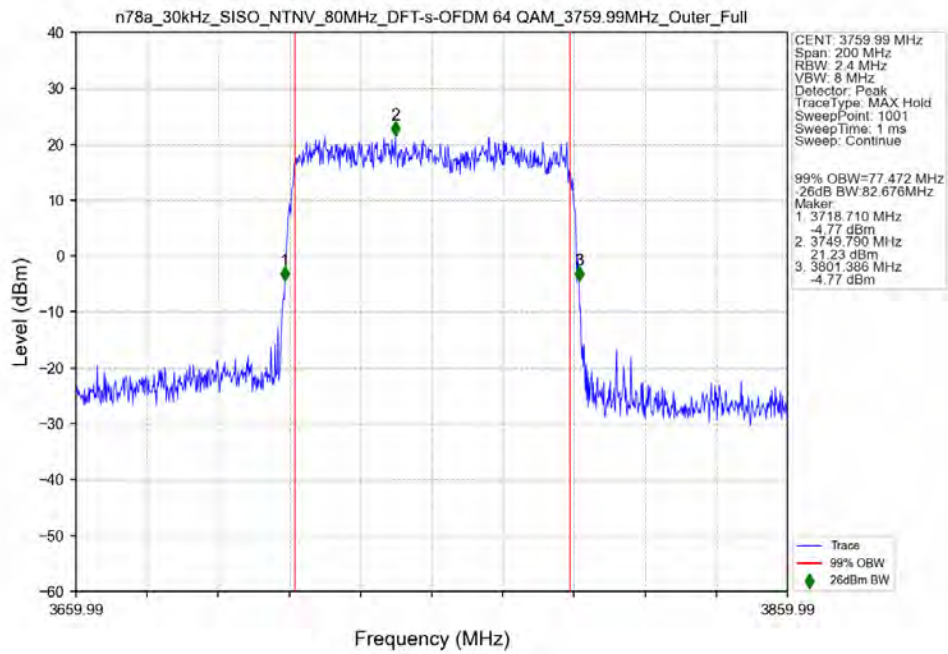
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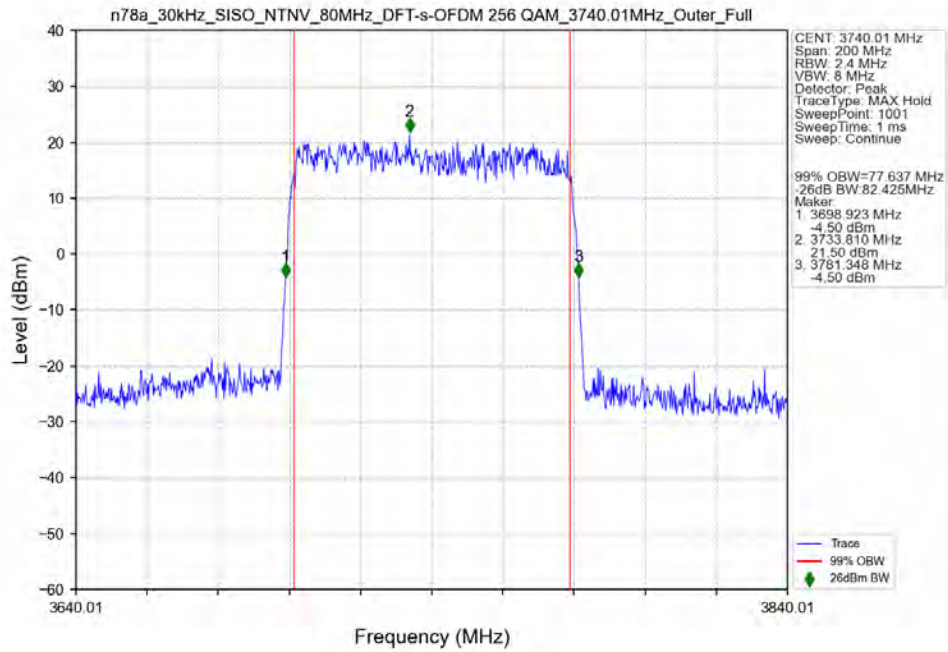
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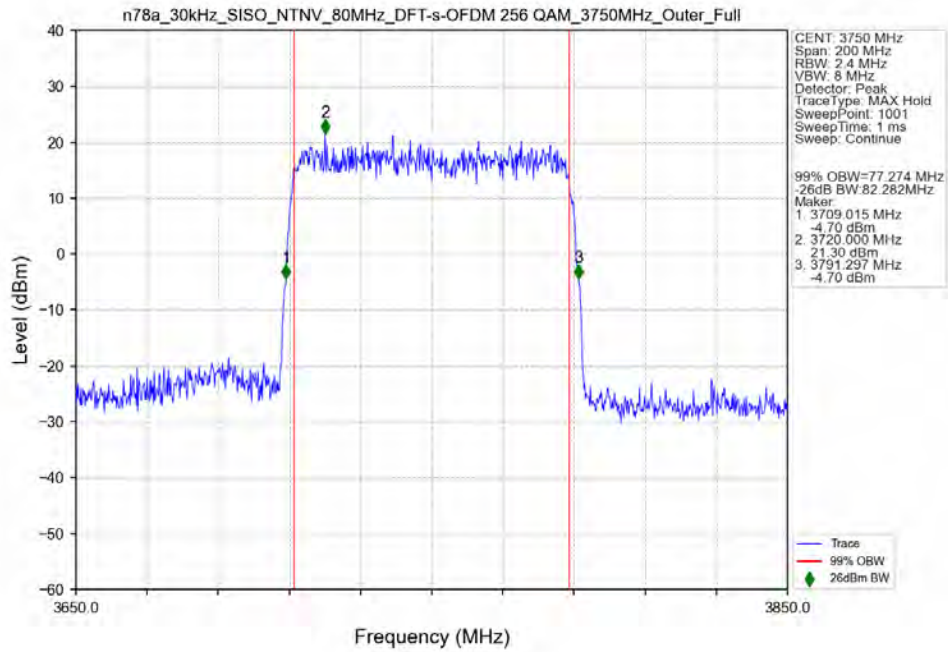
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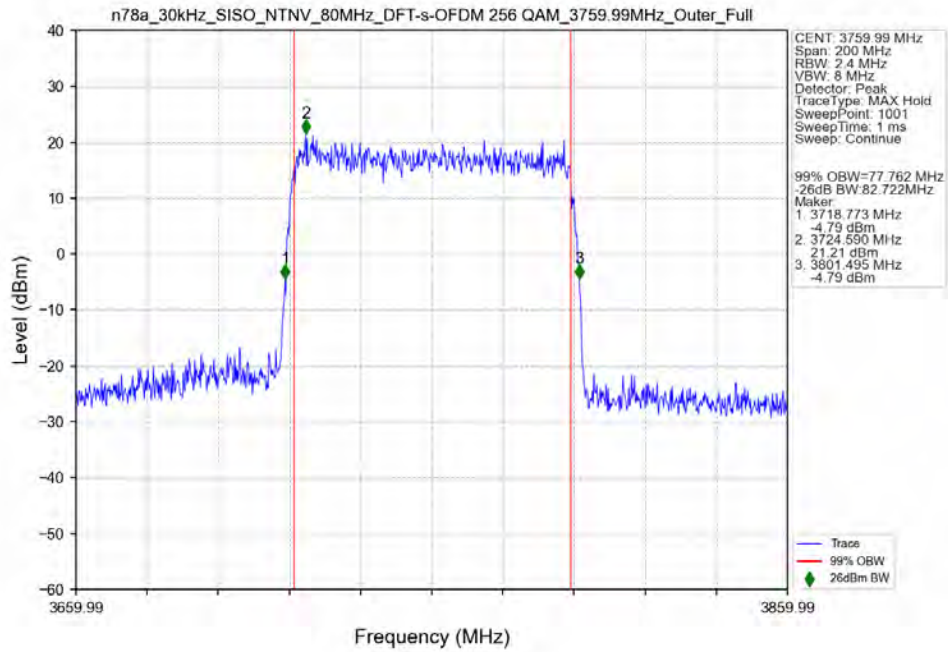
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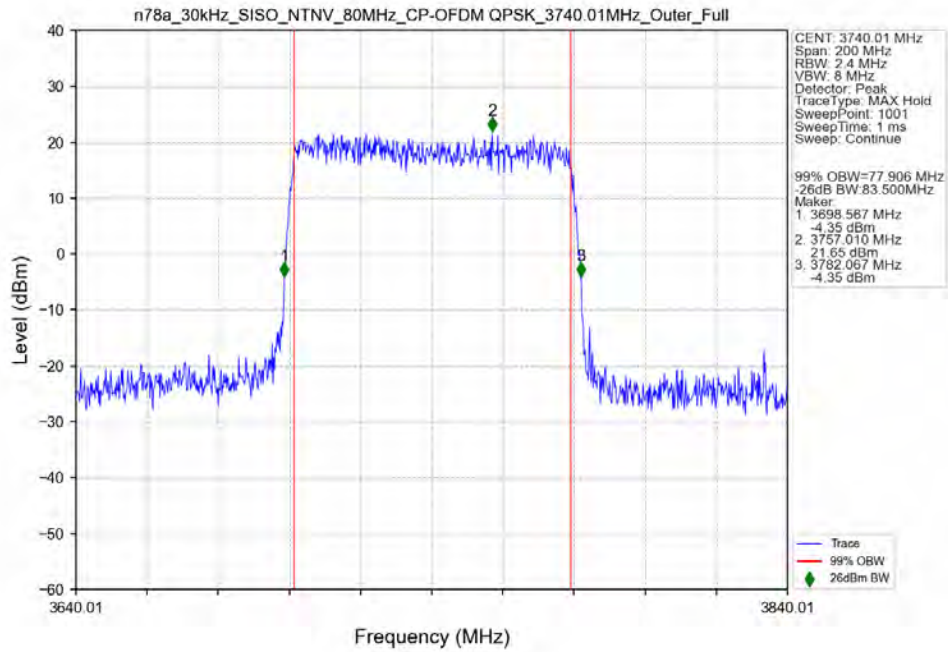
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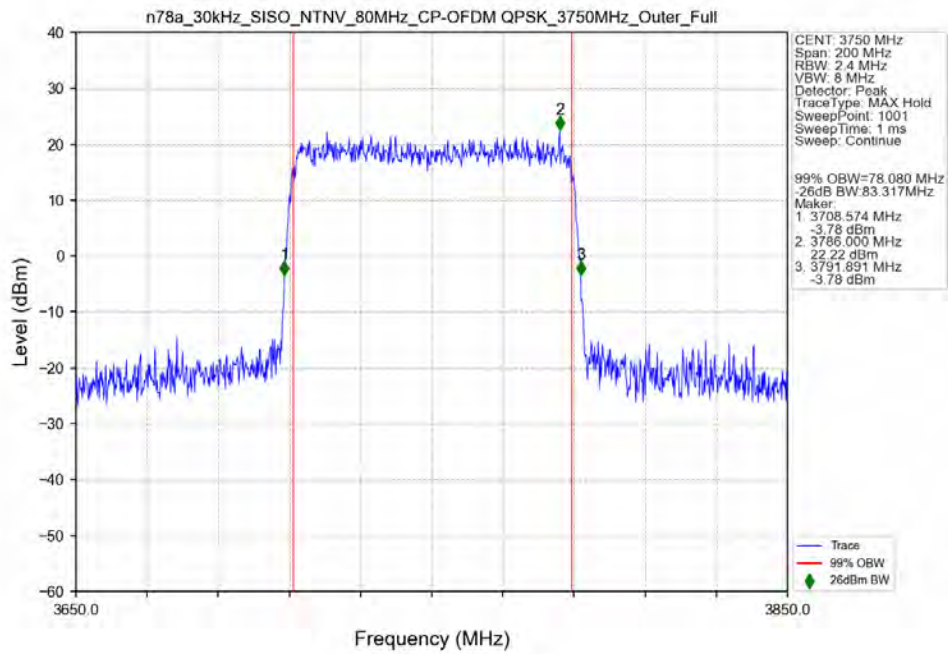
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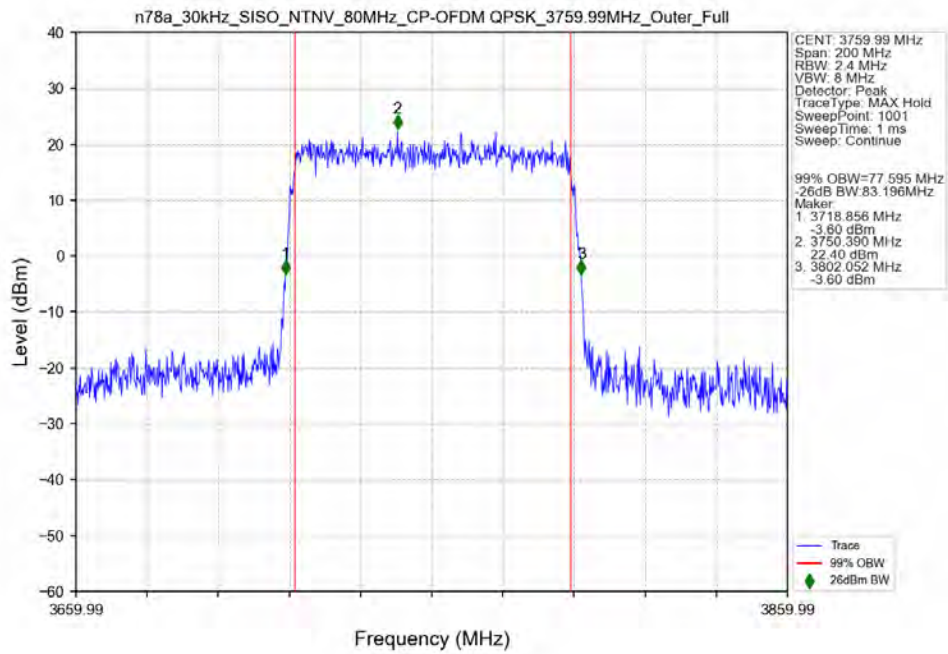
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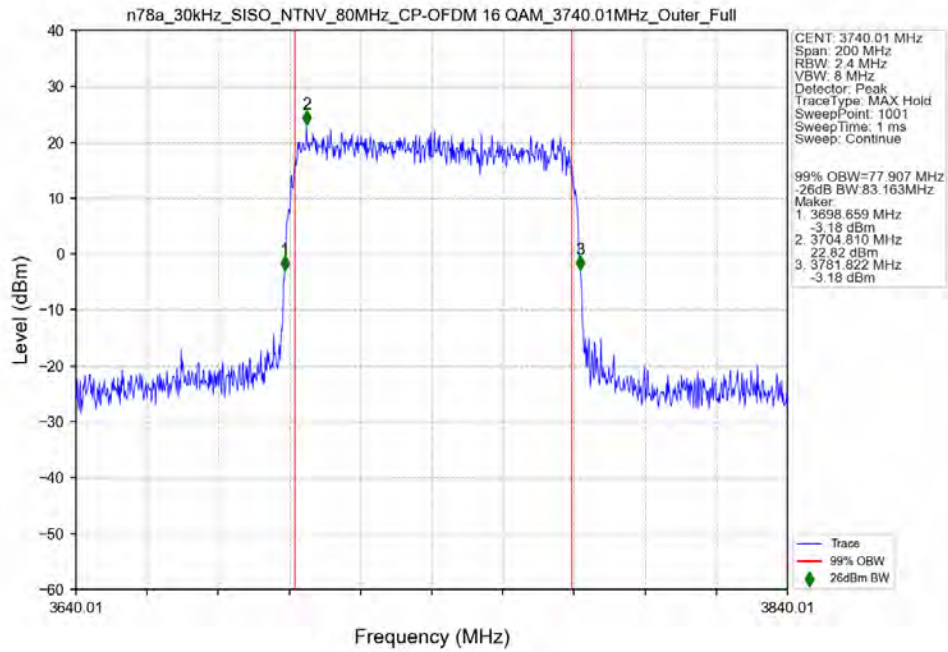
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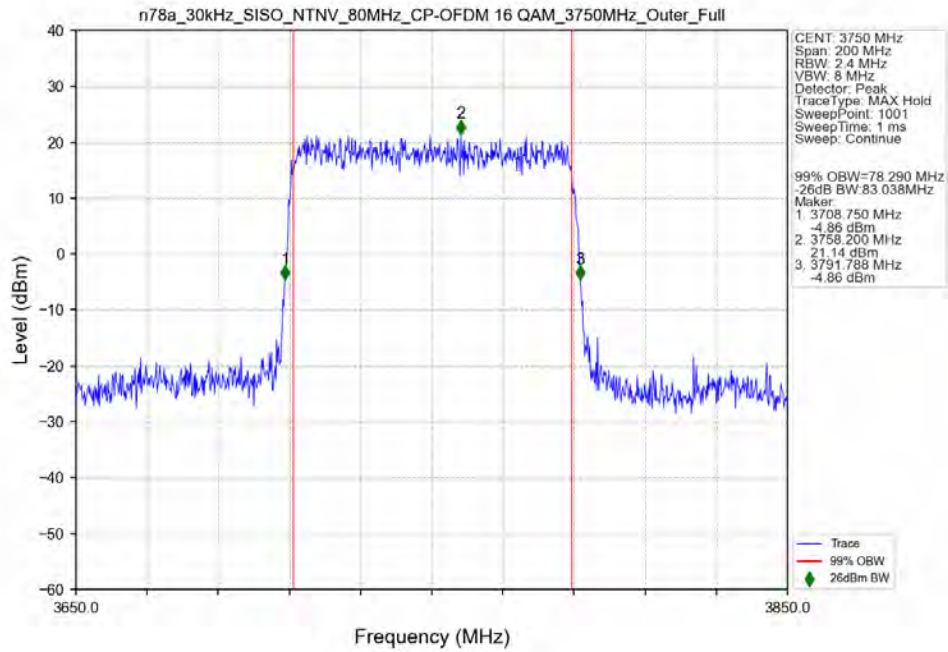
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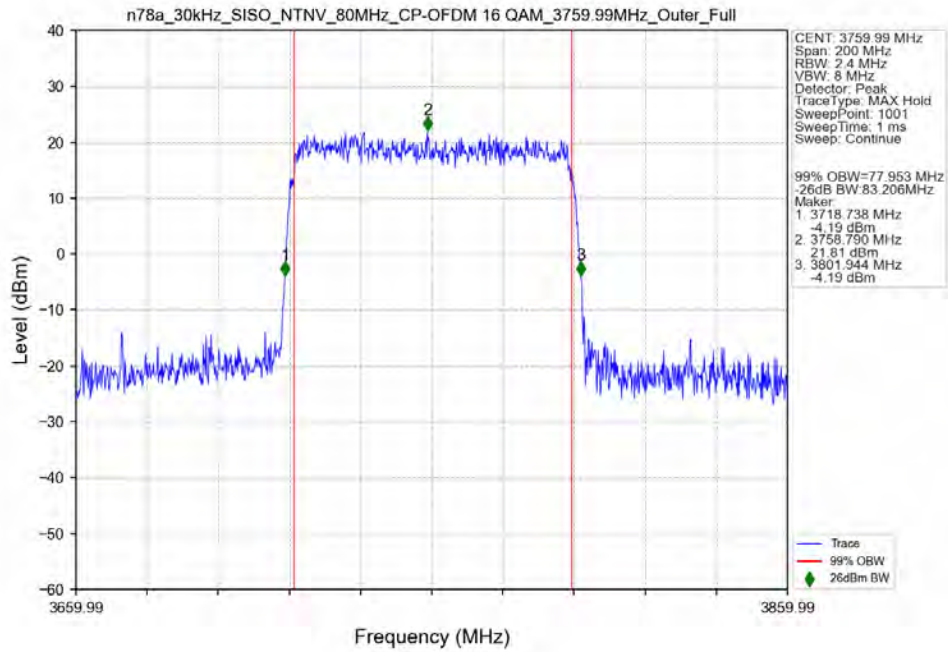
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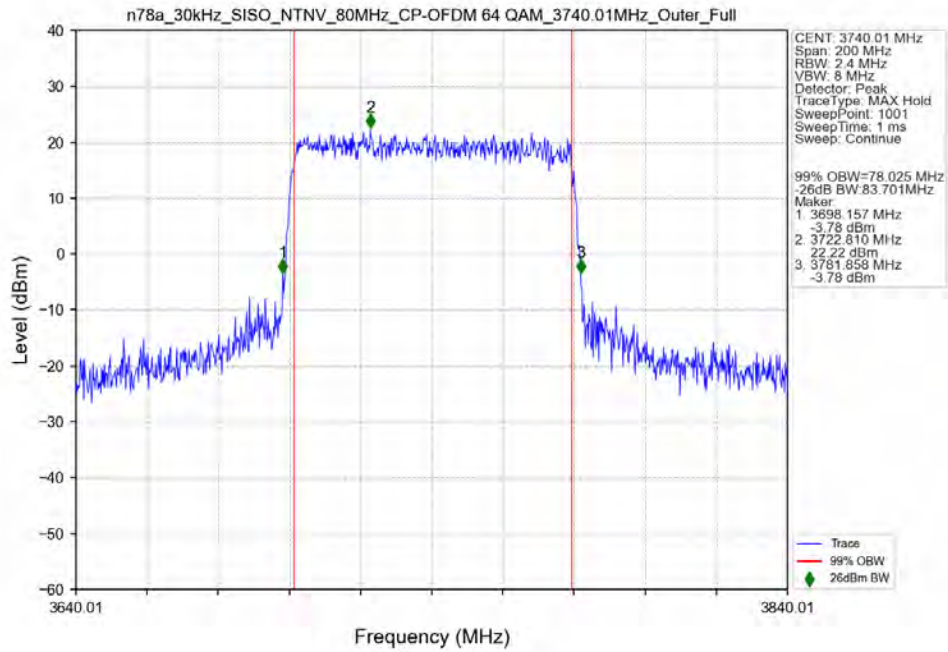
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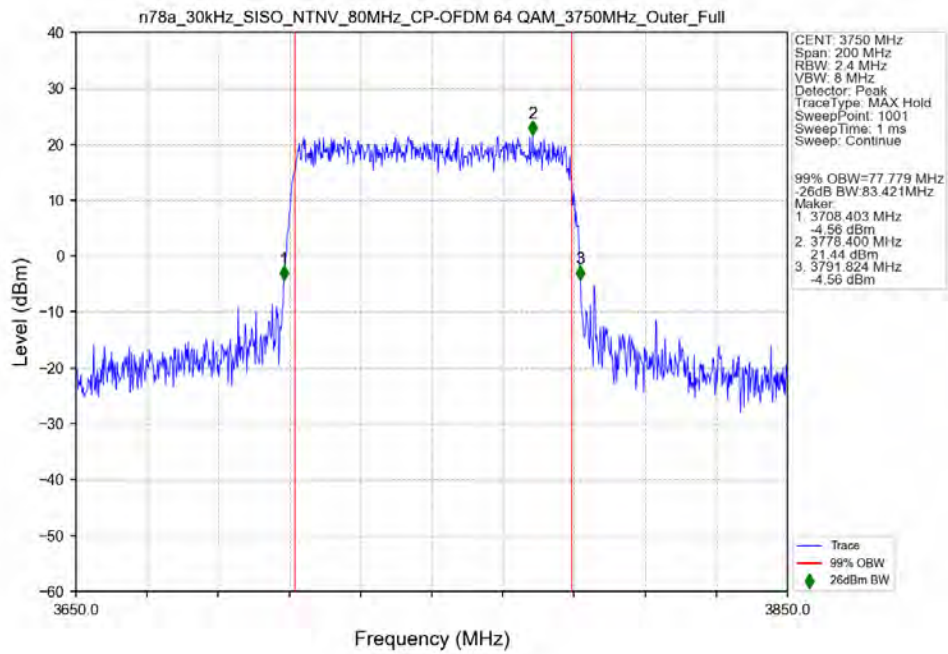
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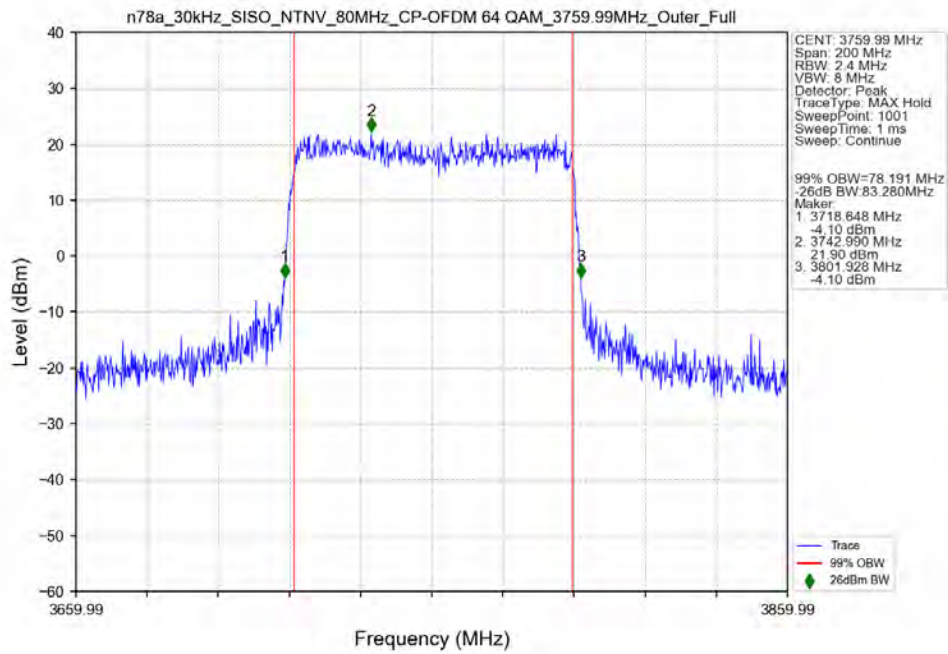
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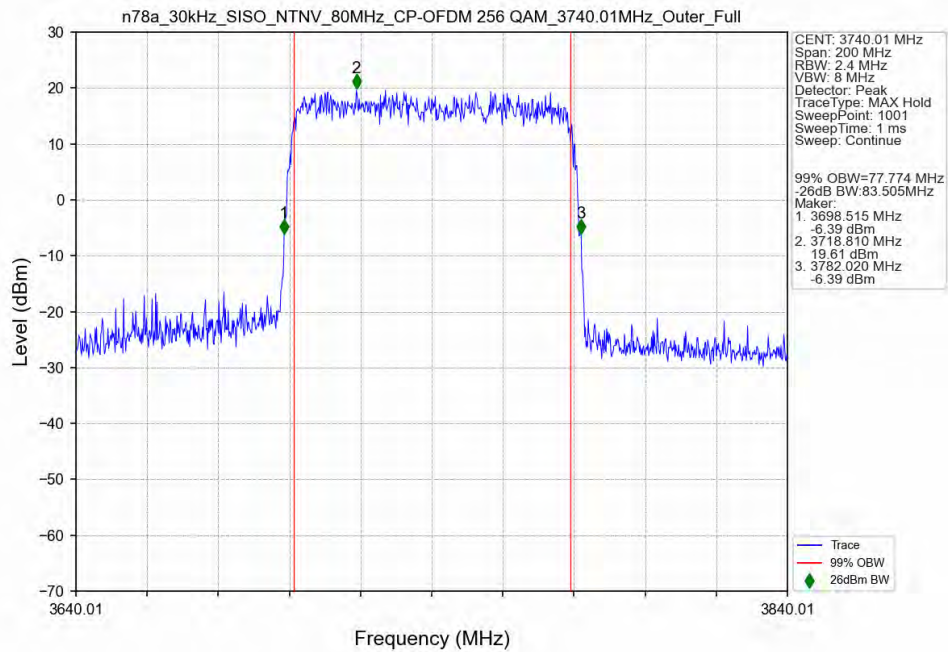
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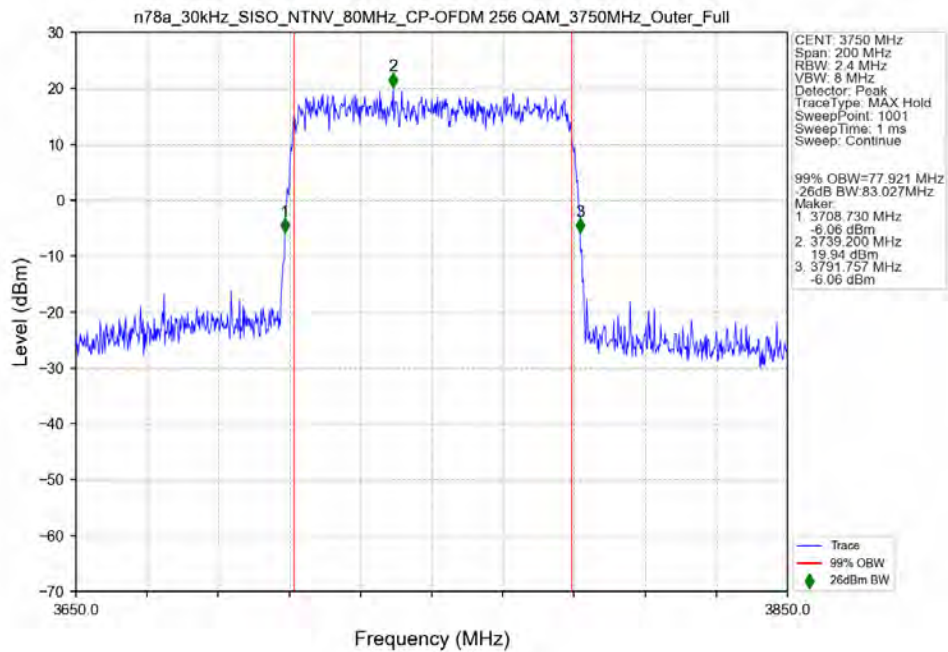
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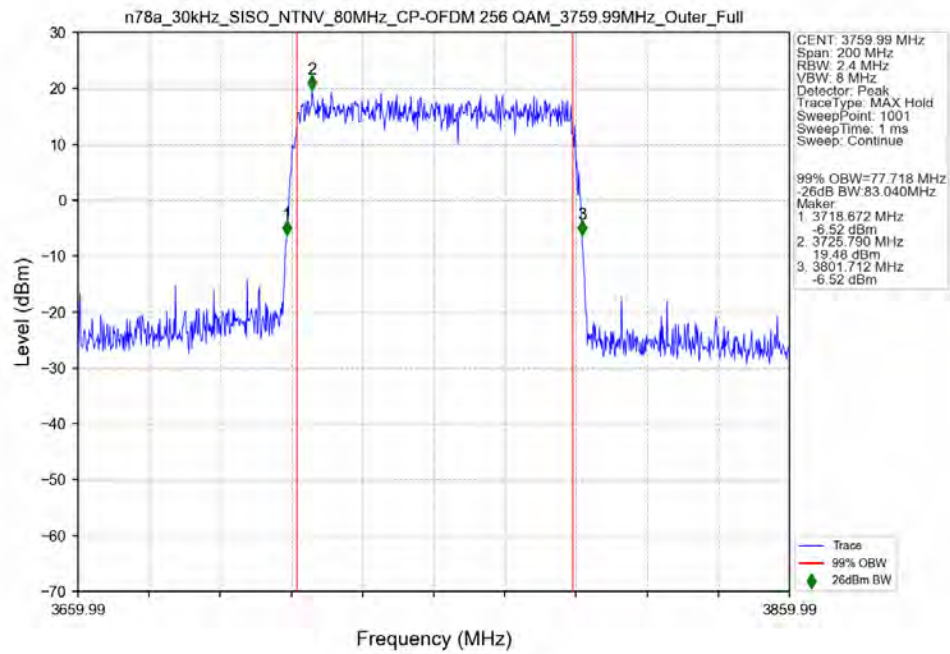
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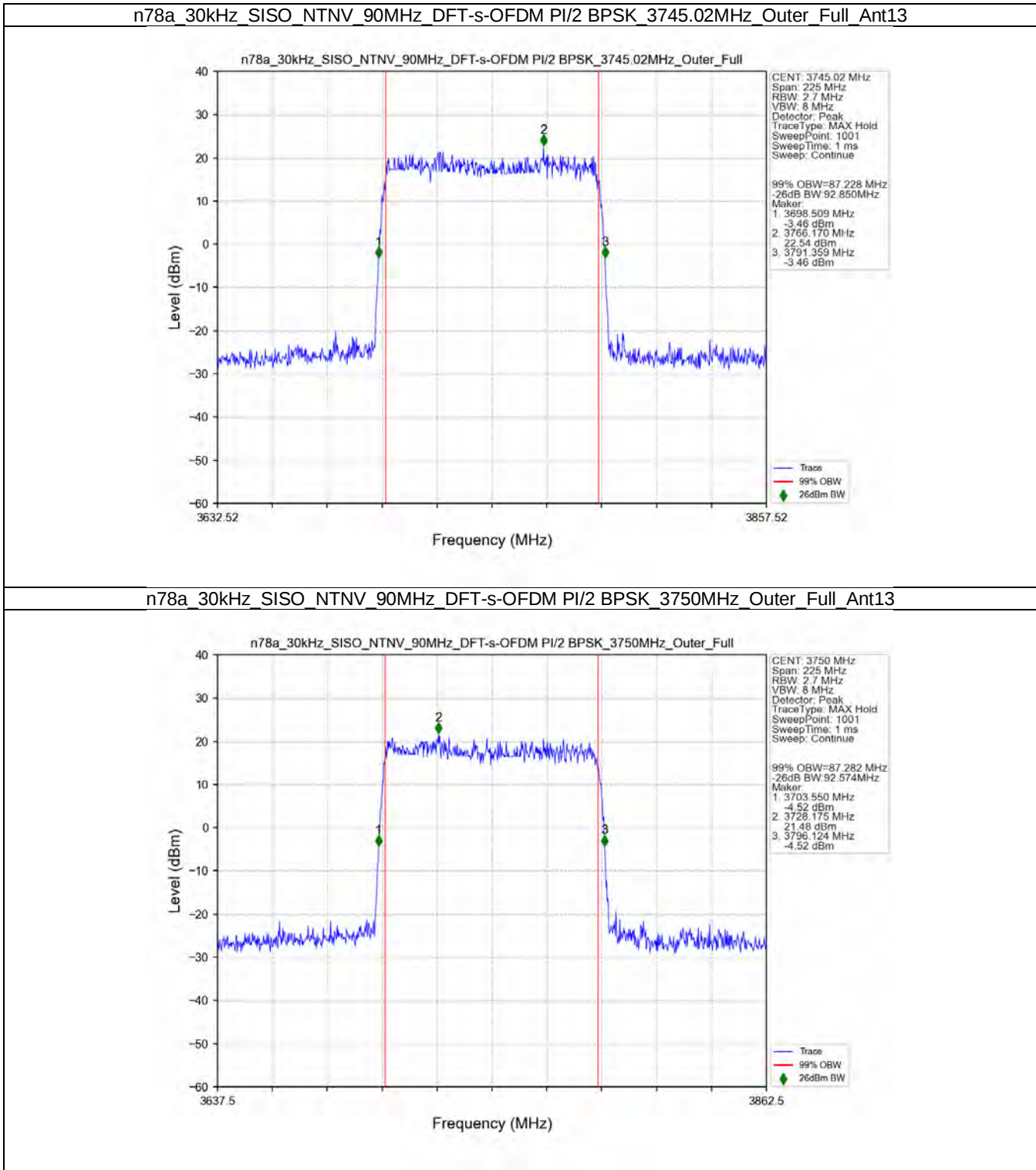
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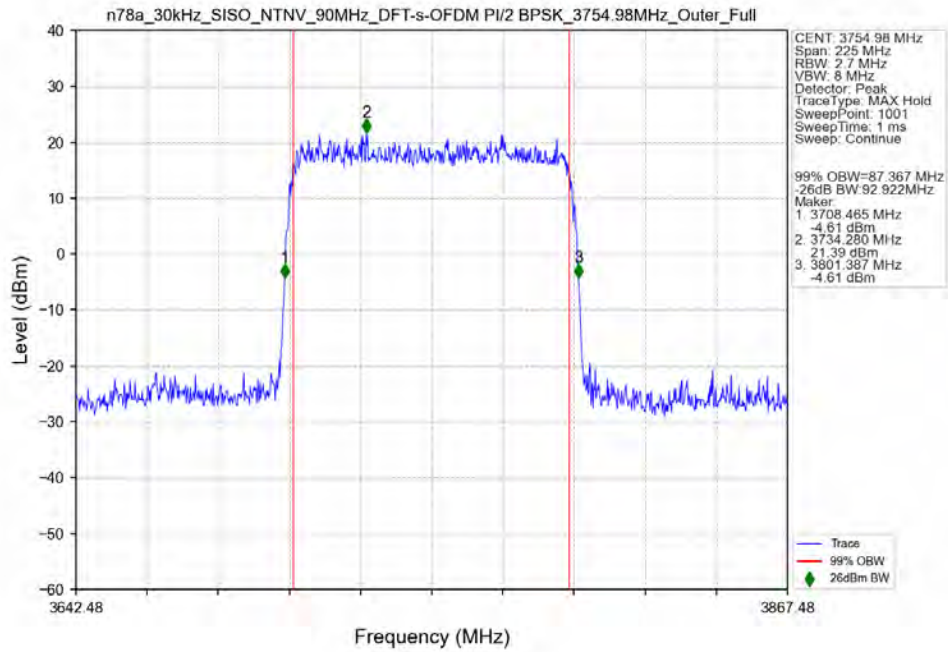
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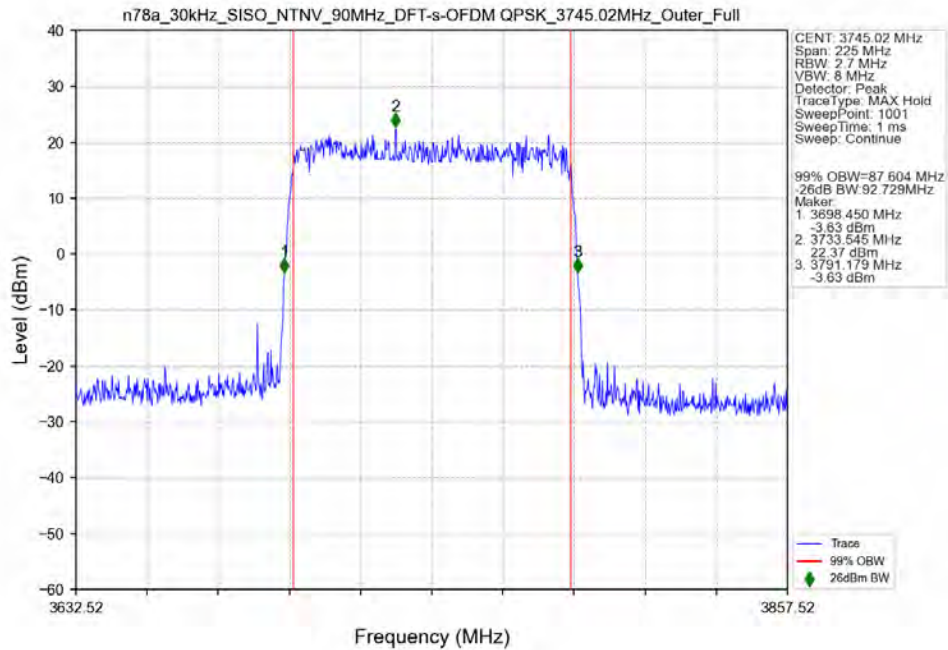
3.2.10 30k_SISO_90MHz_NTNV



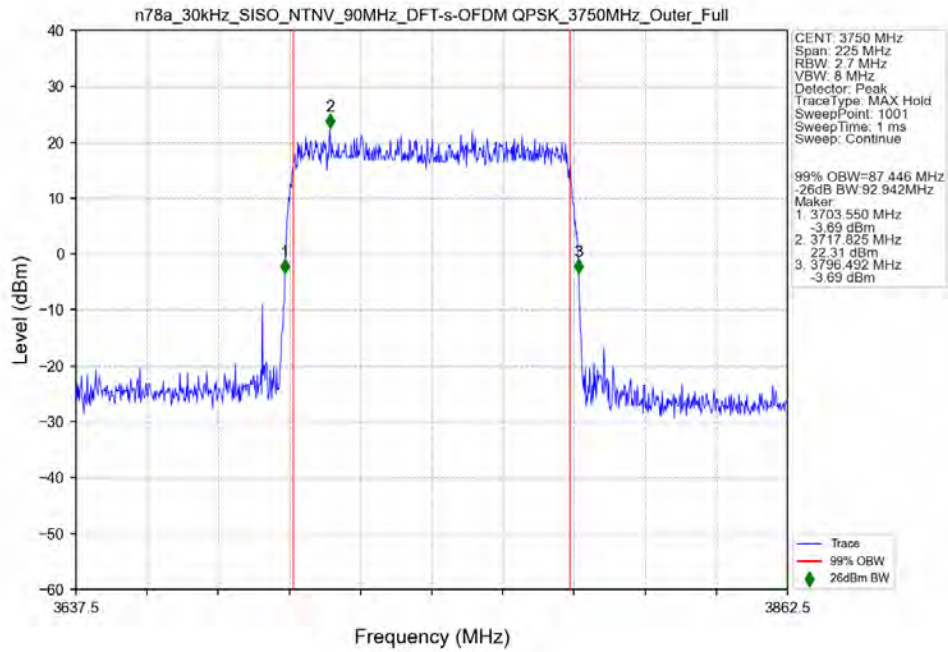
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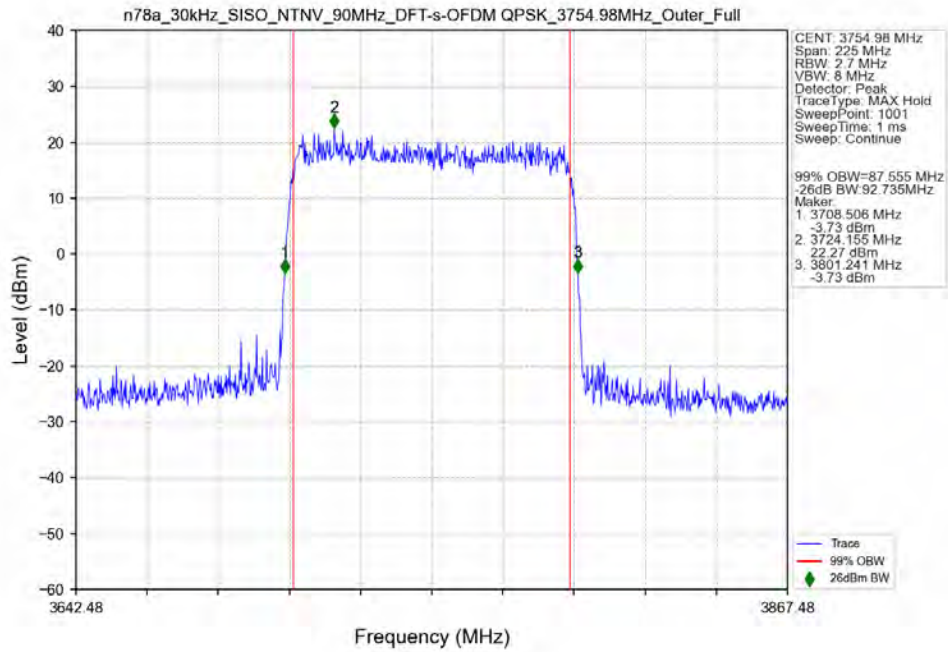
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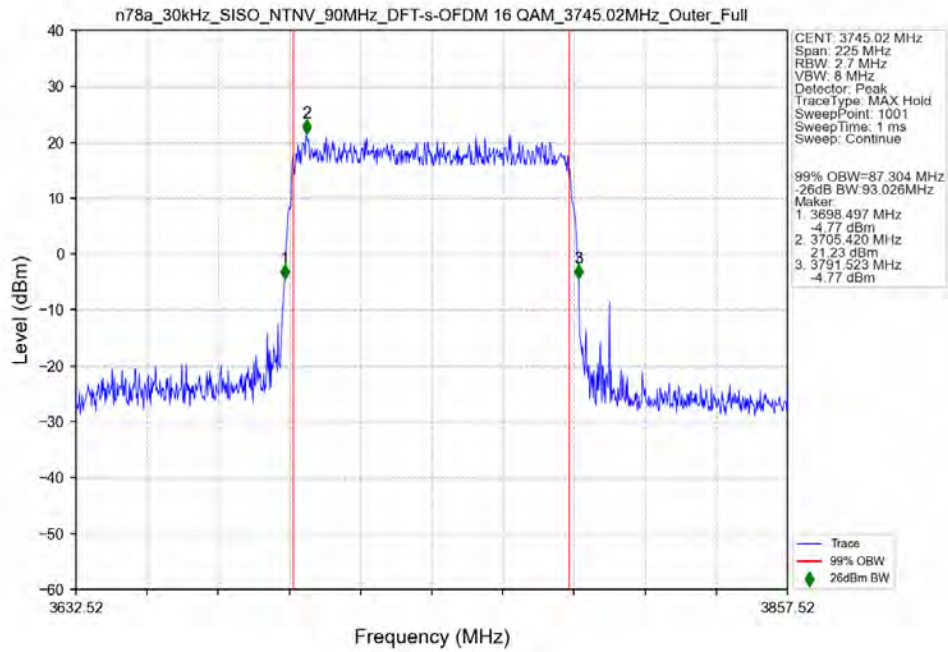
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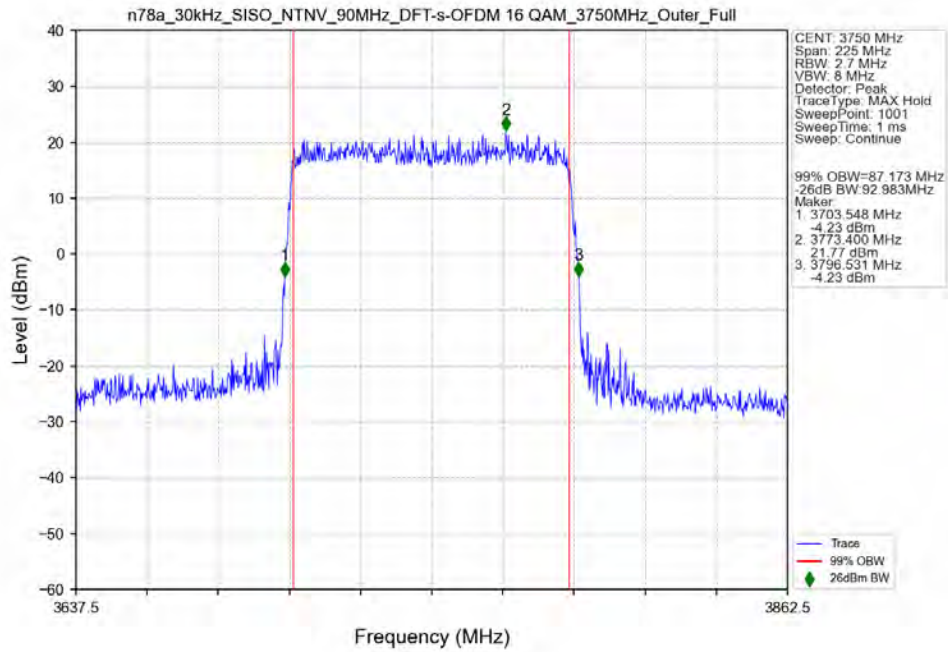
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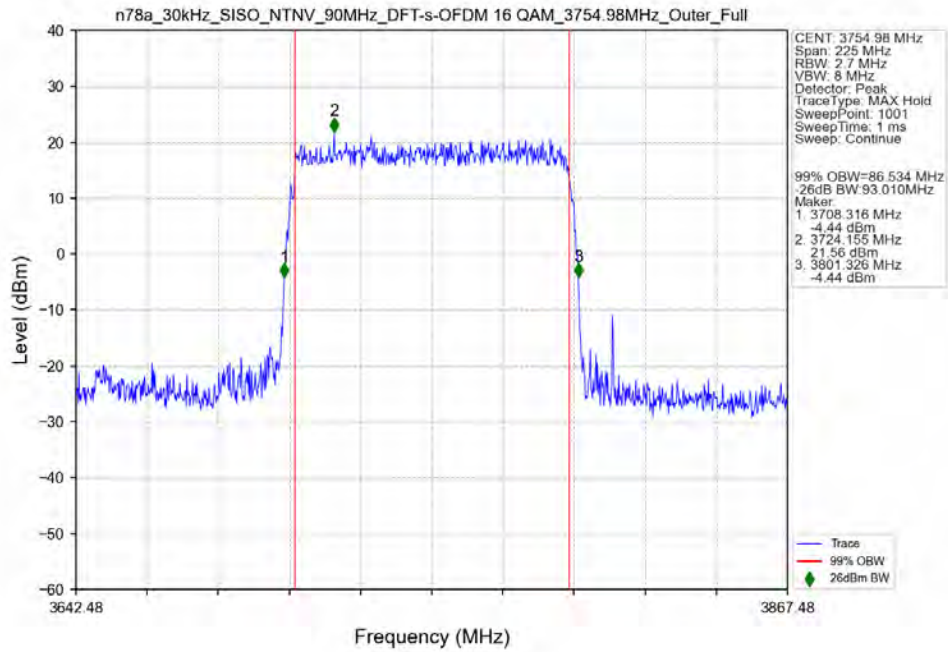
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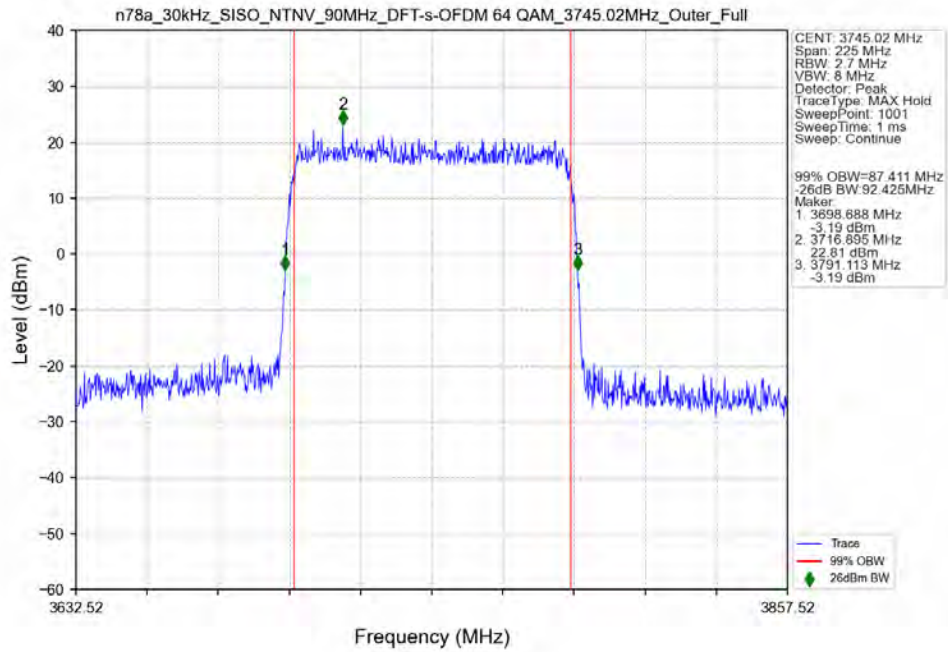
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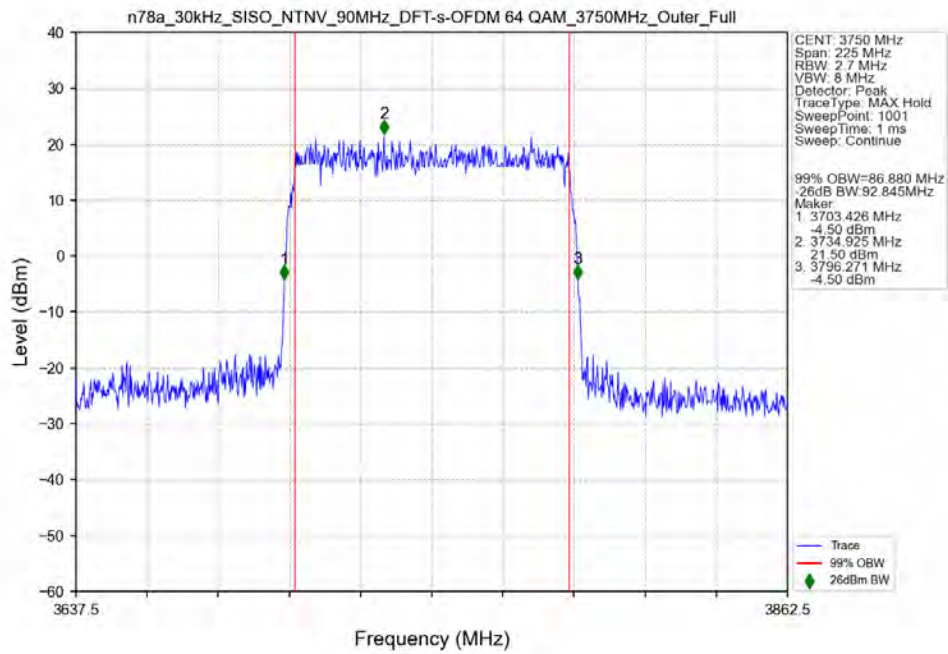
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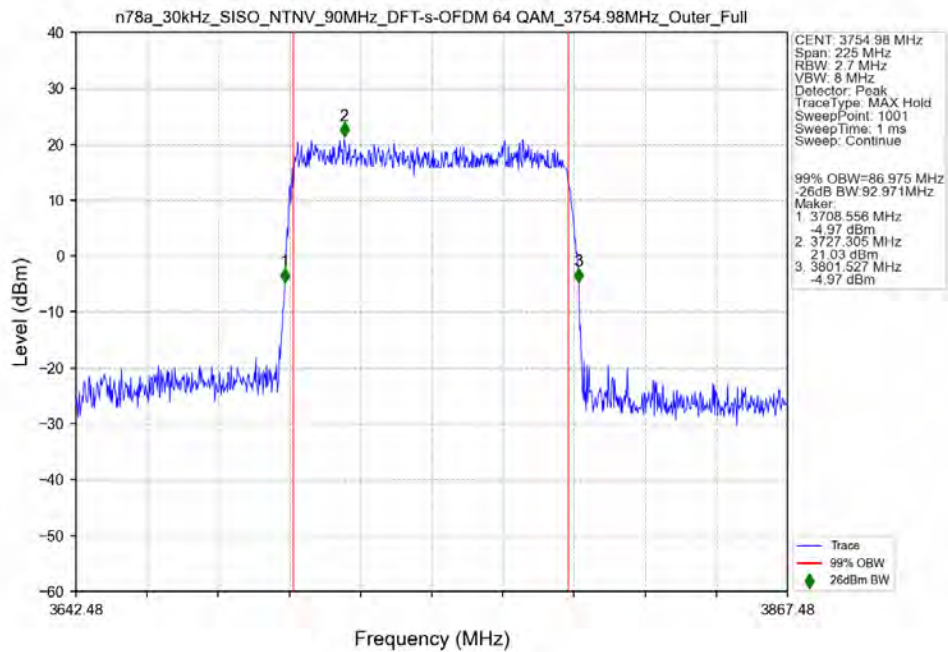
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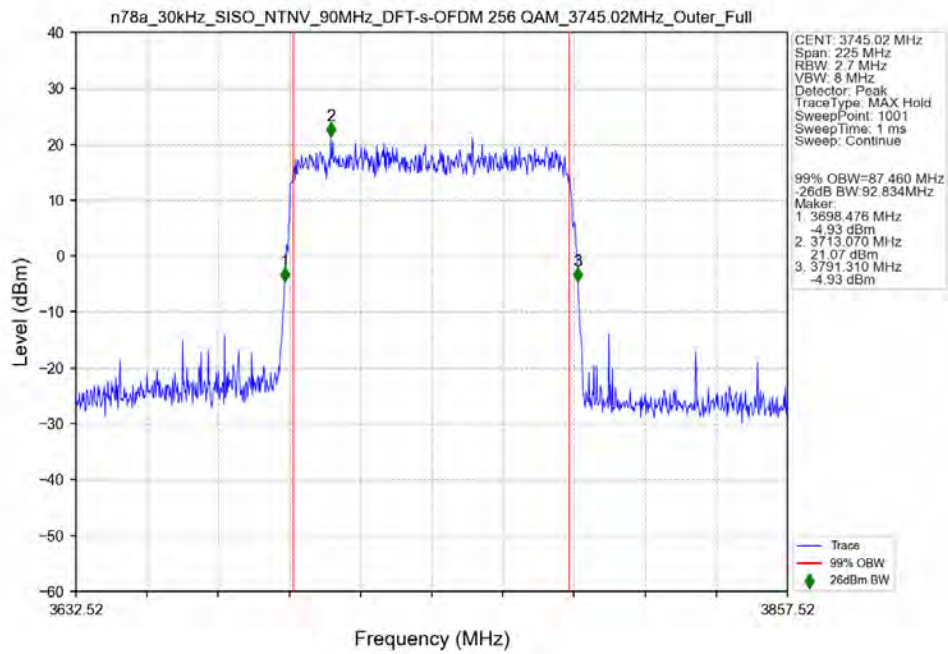
n78a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_64_QAM_3750MHz_Outer_Full_Ant13



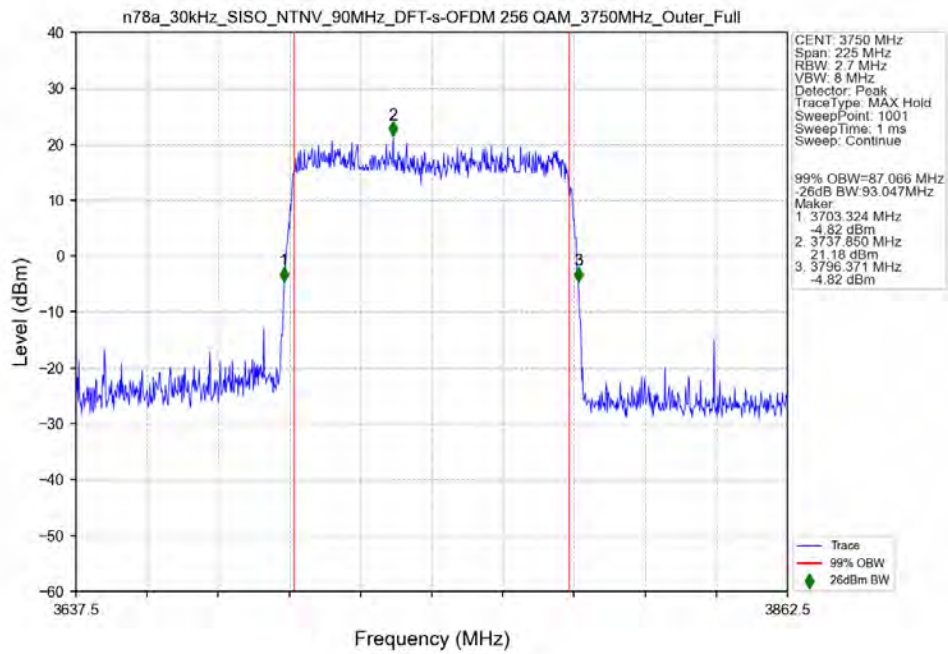
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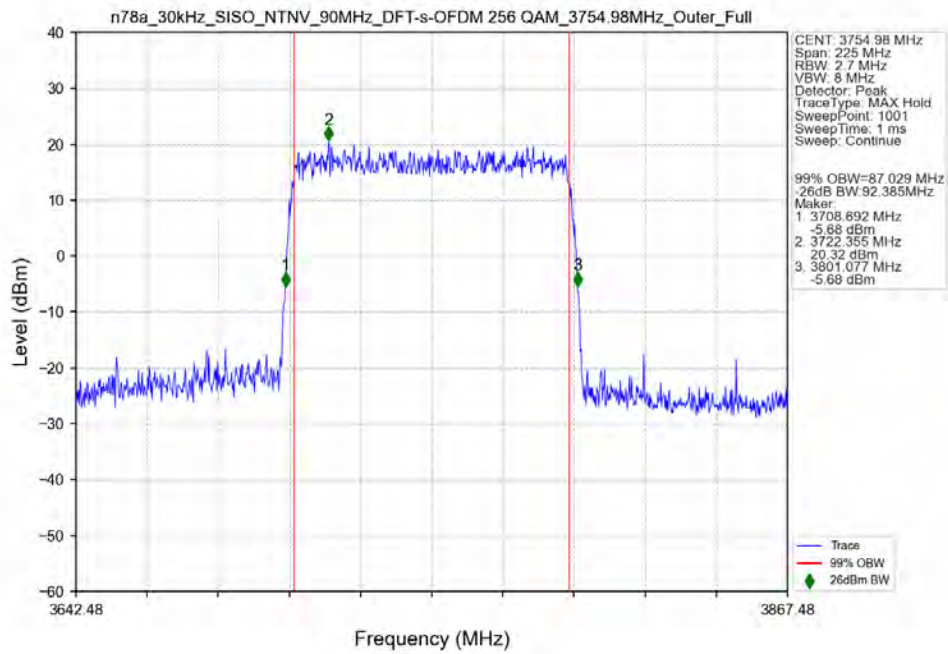
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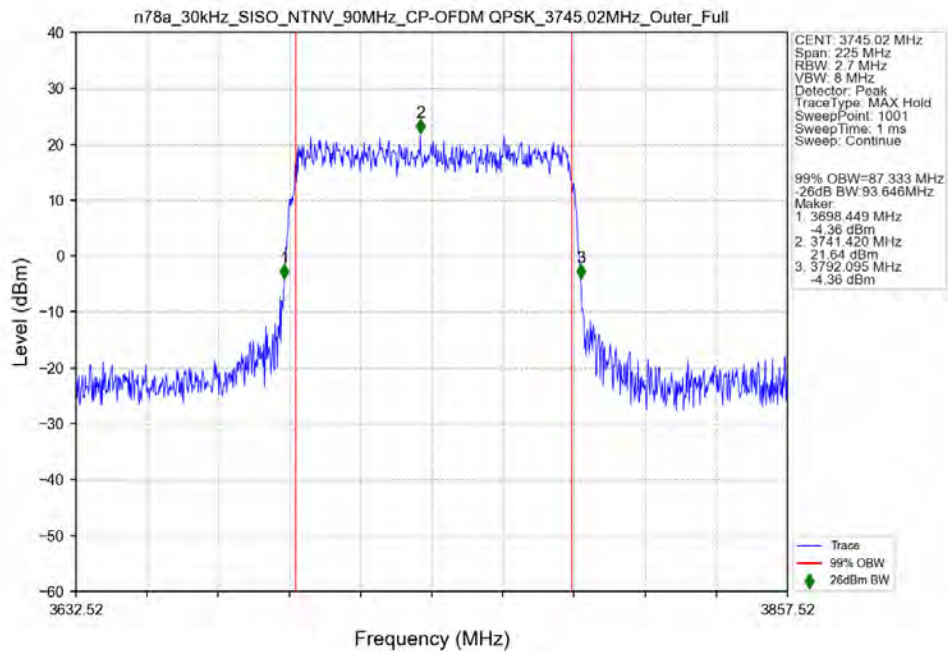
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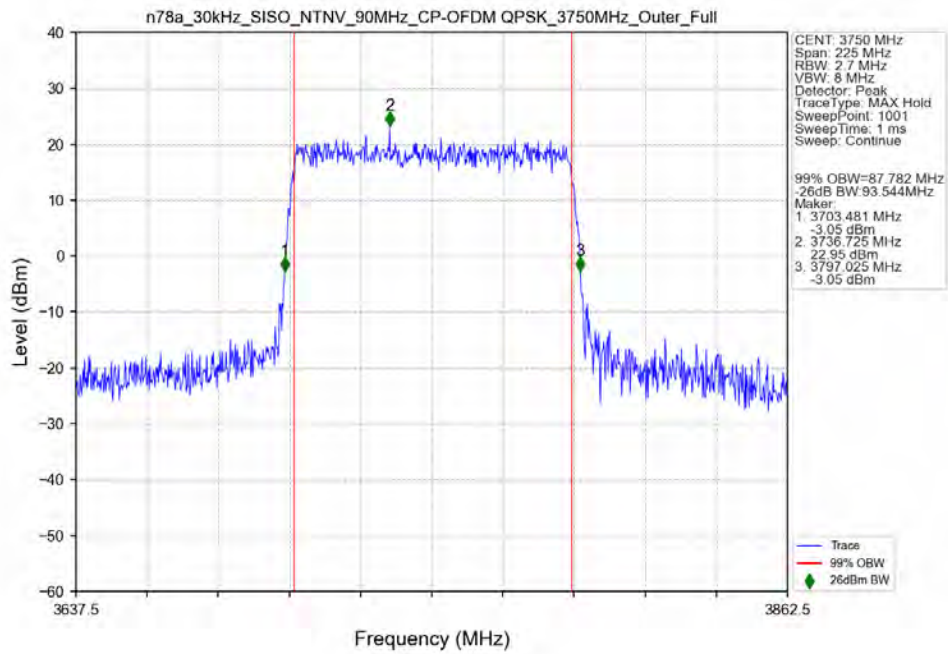
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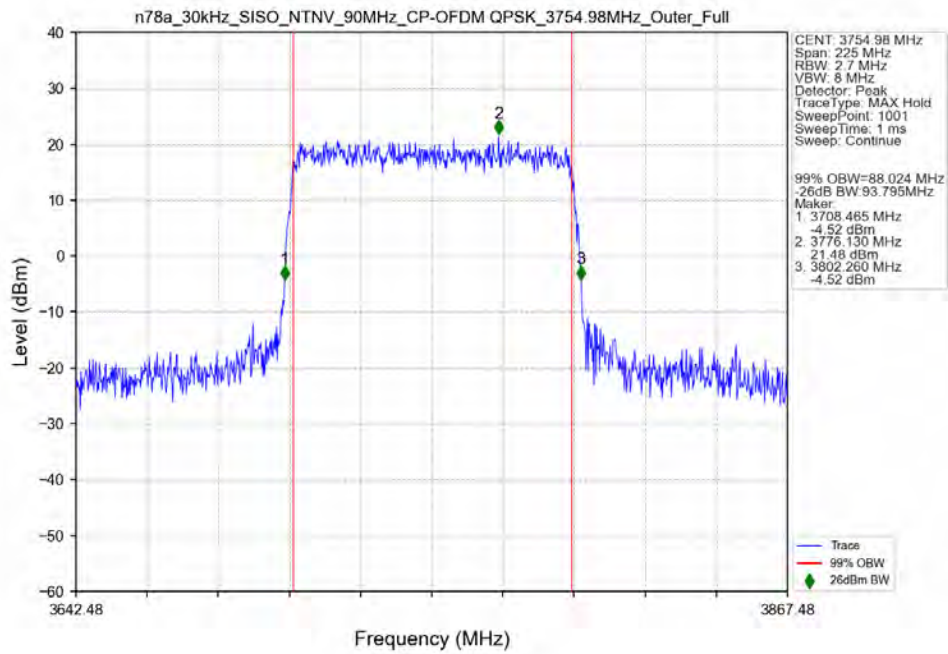
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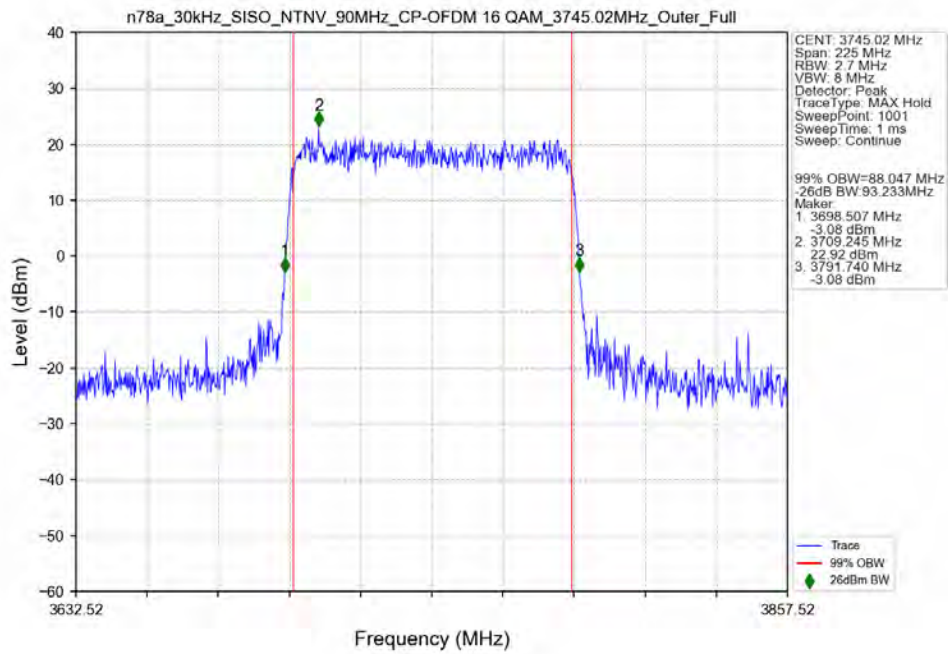
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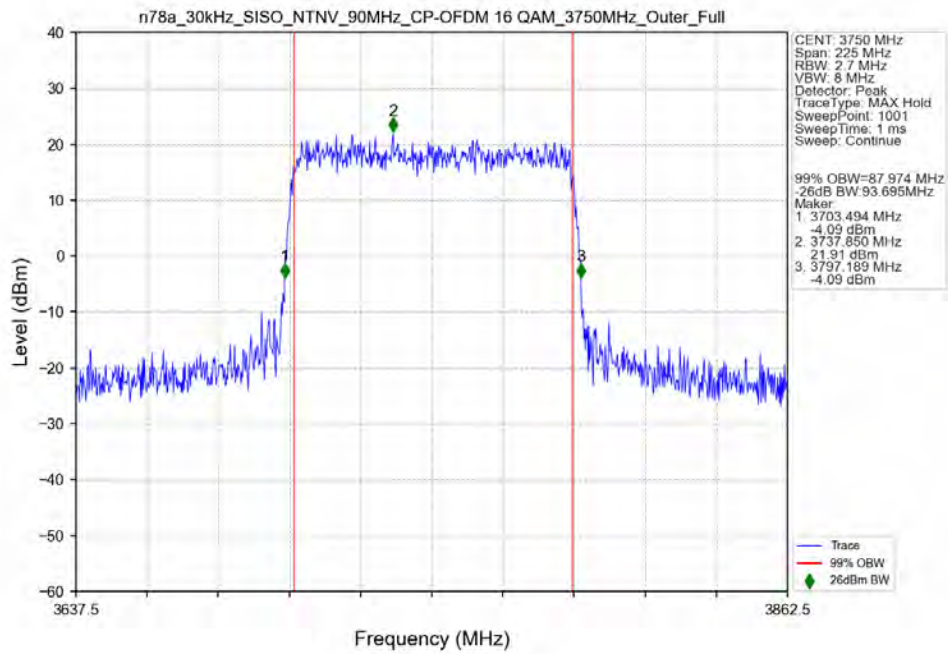
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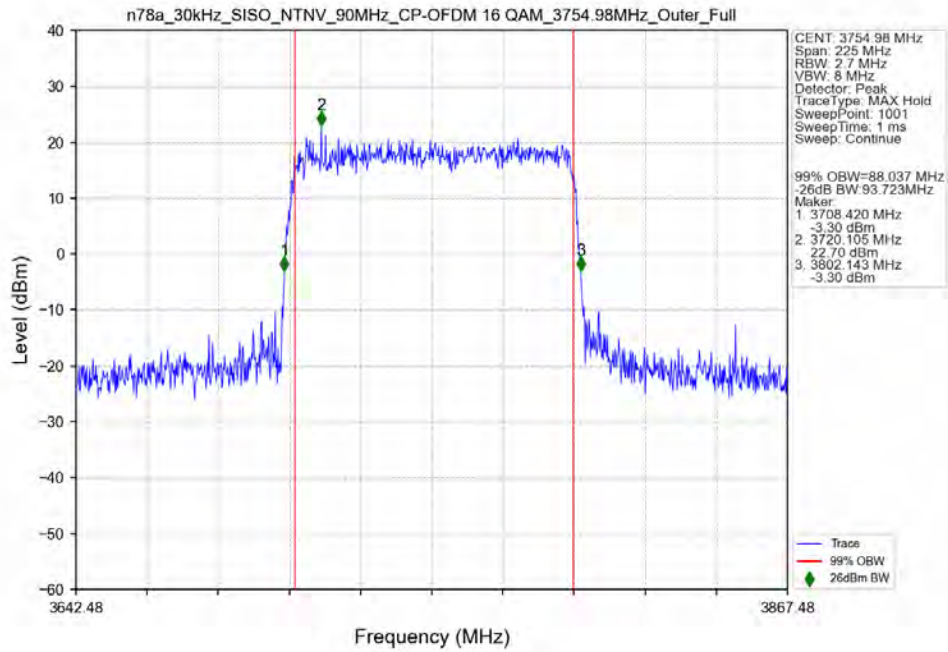
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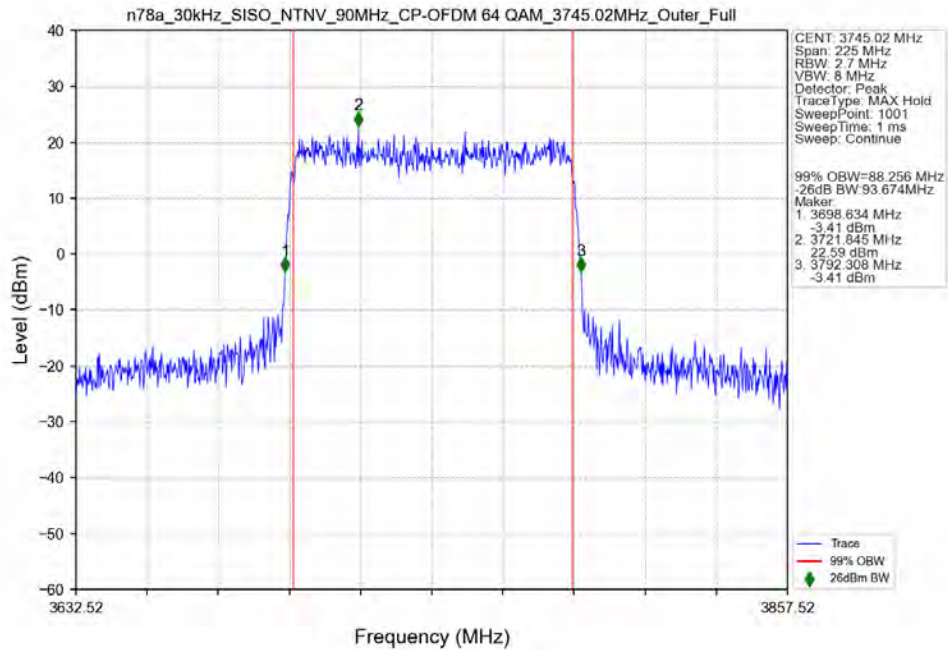
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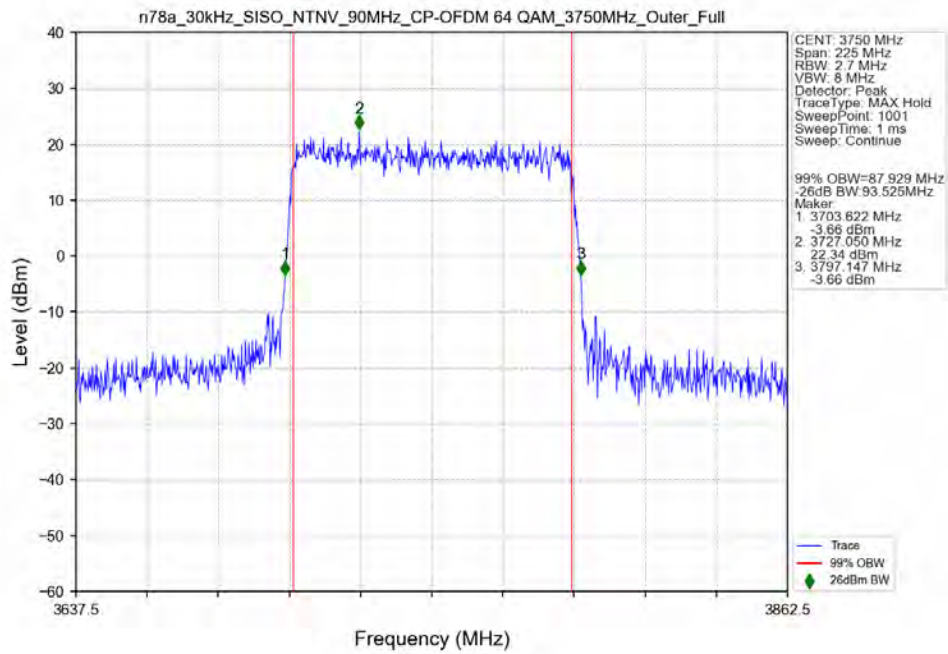
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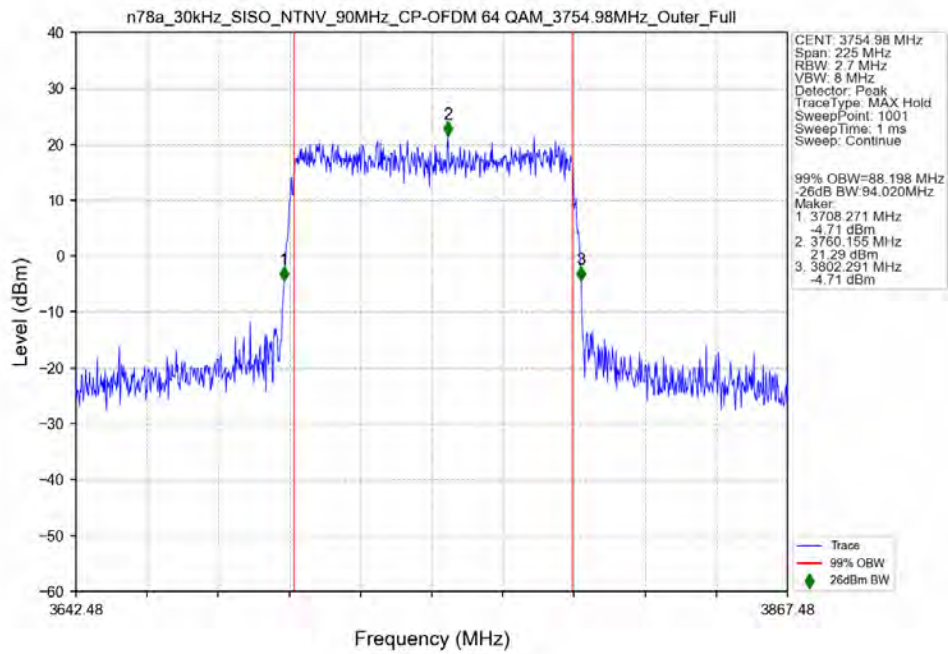
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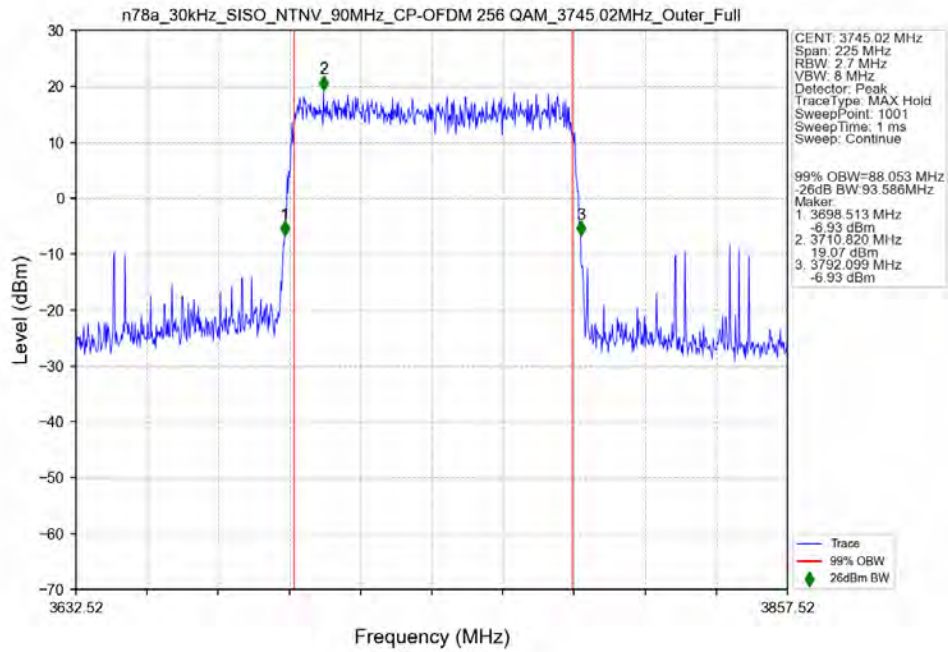
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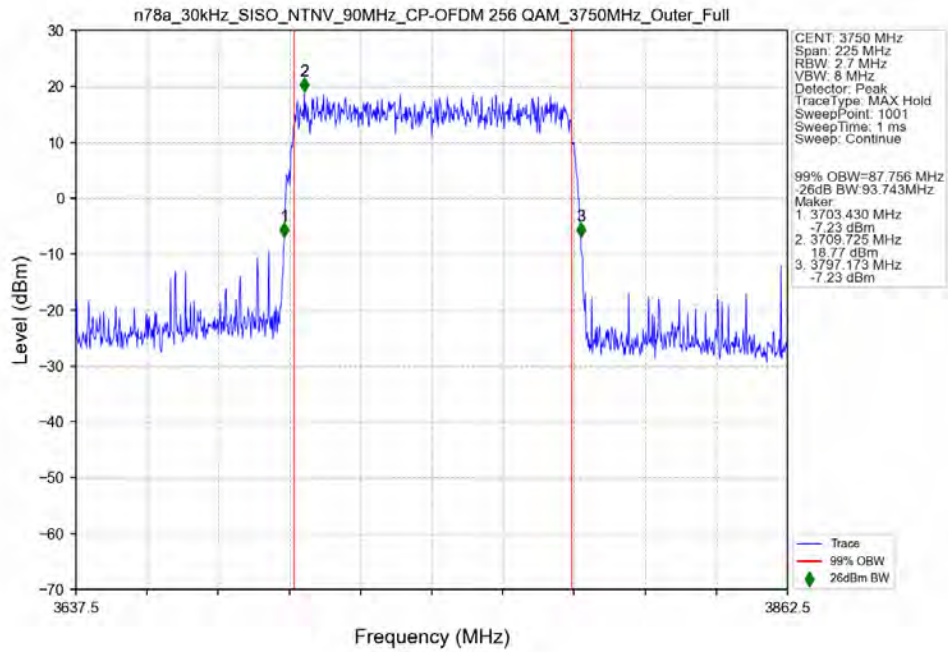
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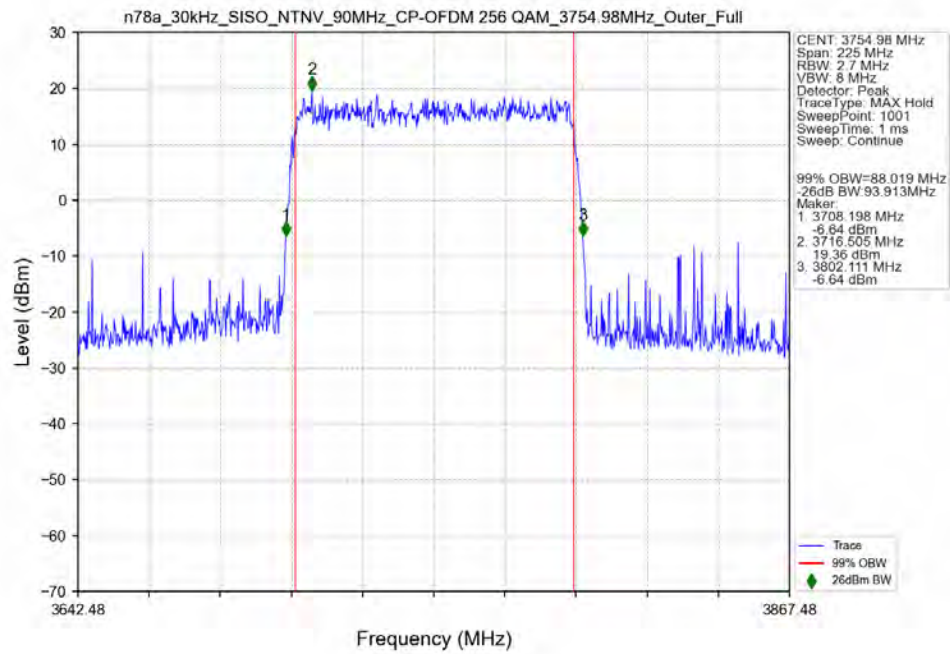
n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3745.02MHz_Outer_Full_Ant13



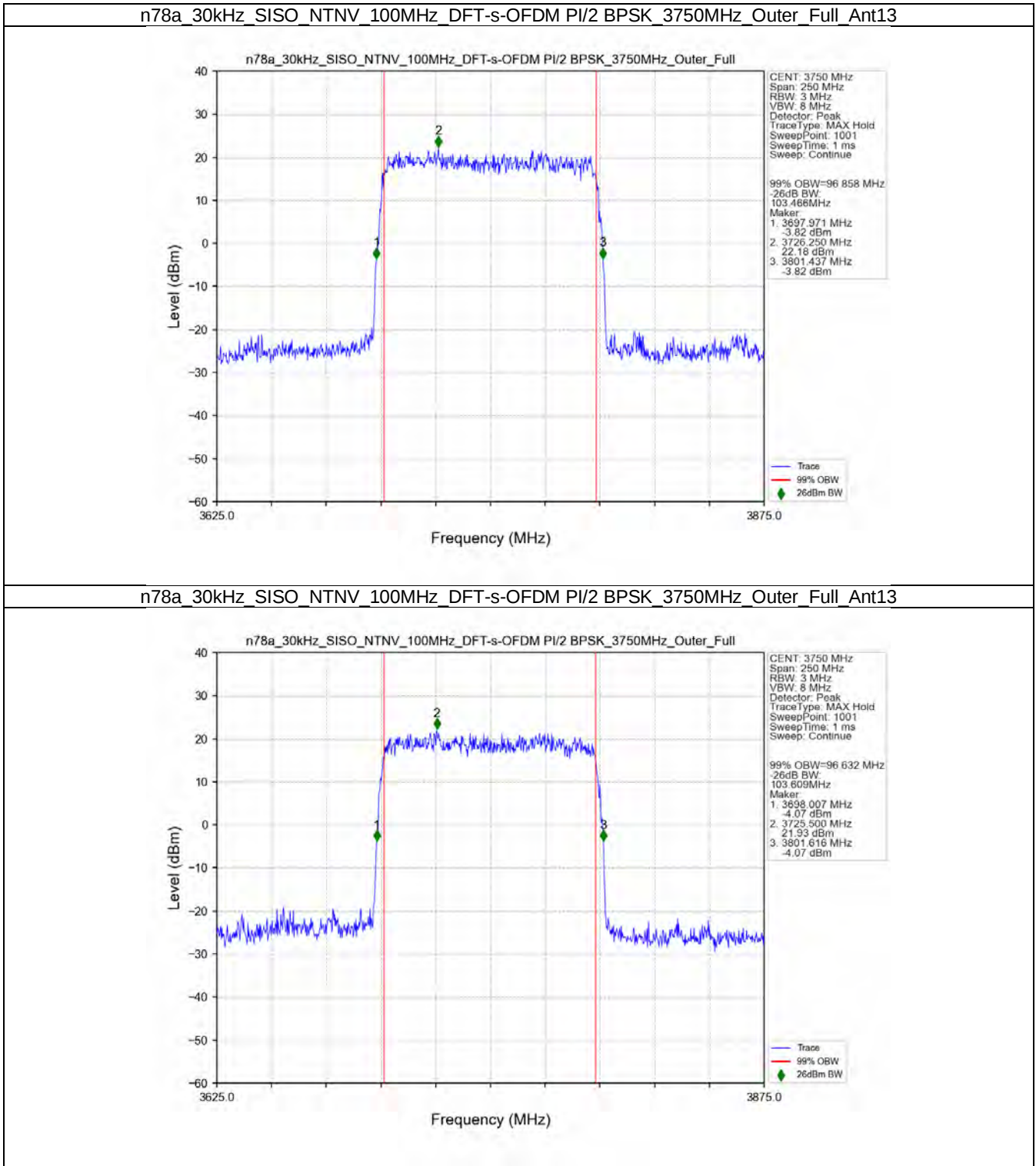
n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3750MHz_Outer_Full_Ant13



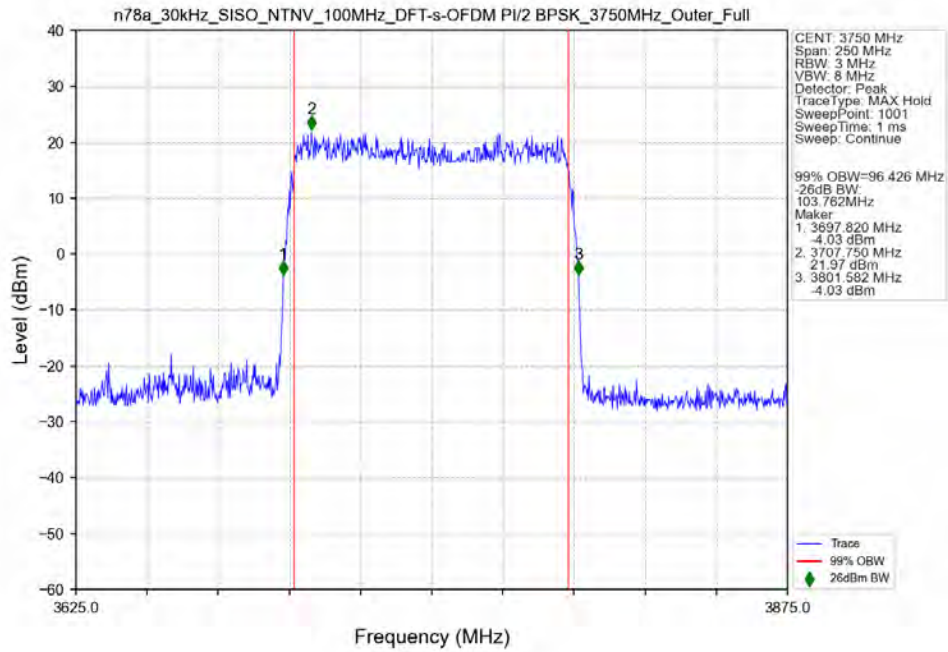
n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3754.98MHz_Outer_Full_Ant13



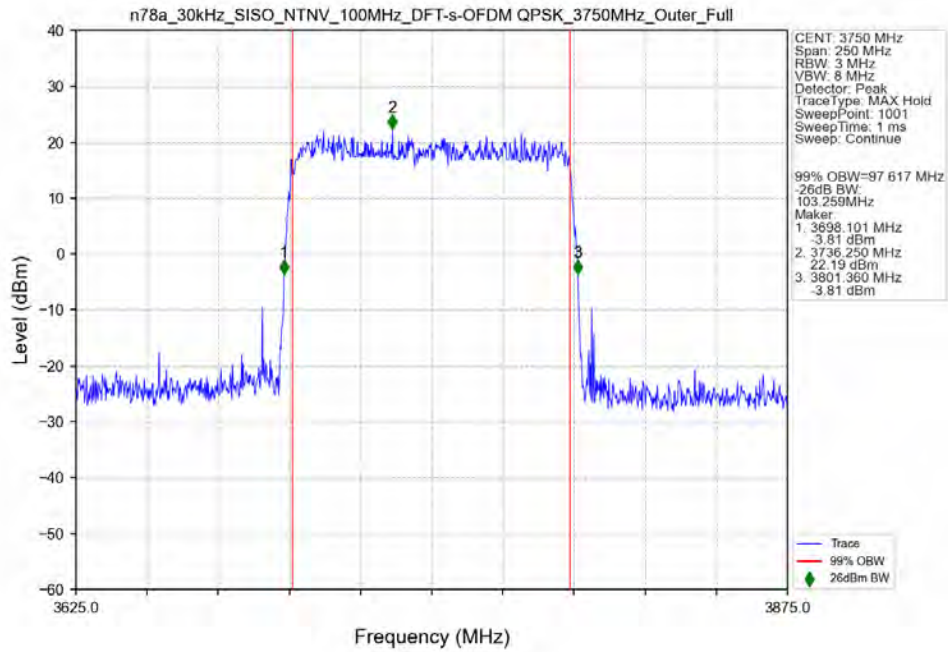
3.2.11 30k_SISO_100MHz_NTNV



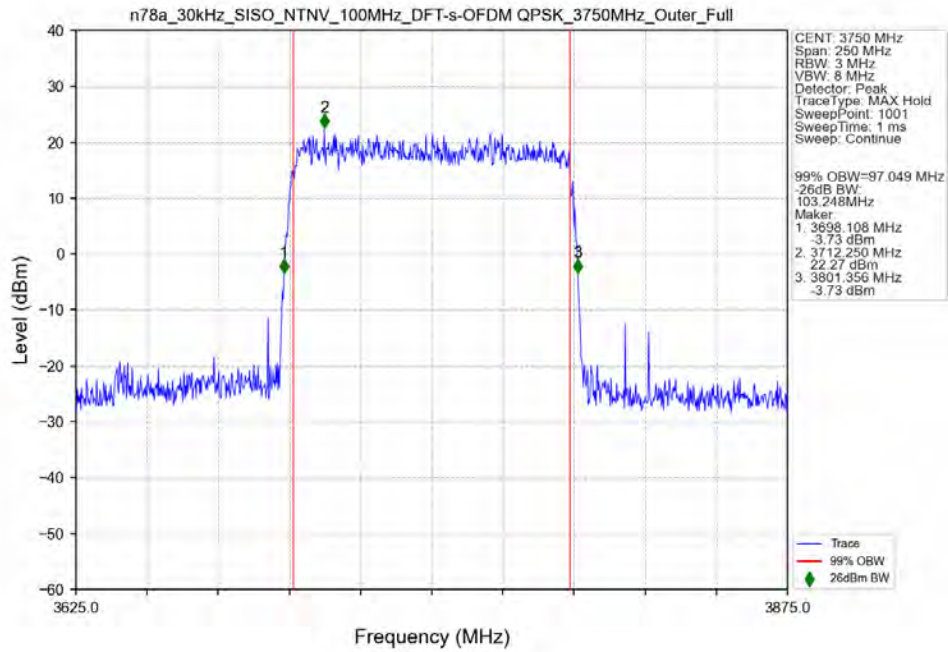
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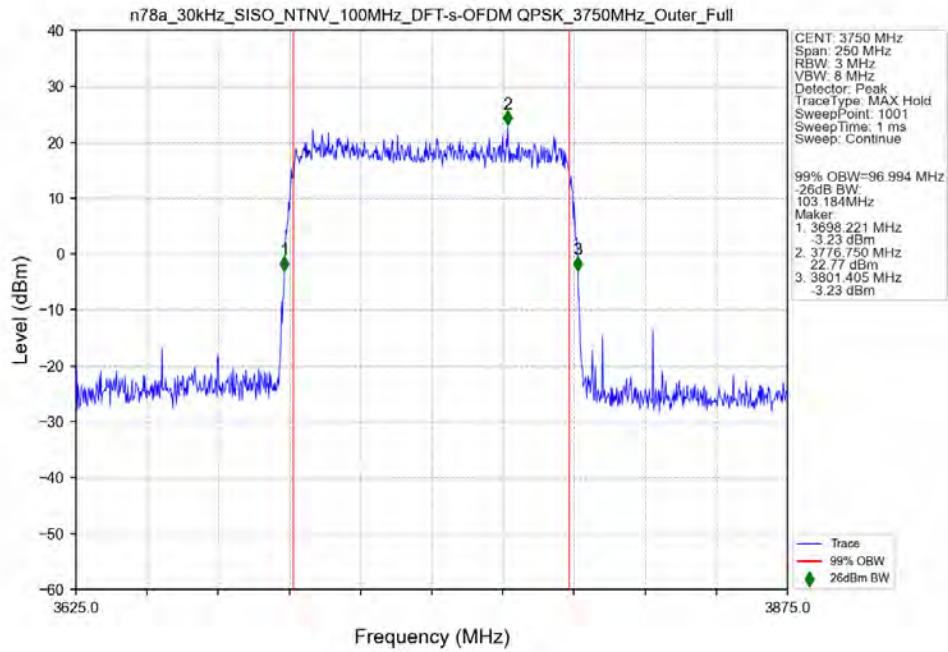
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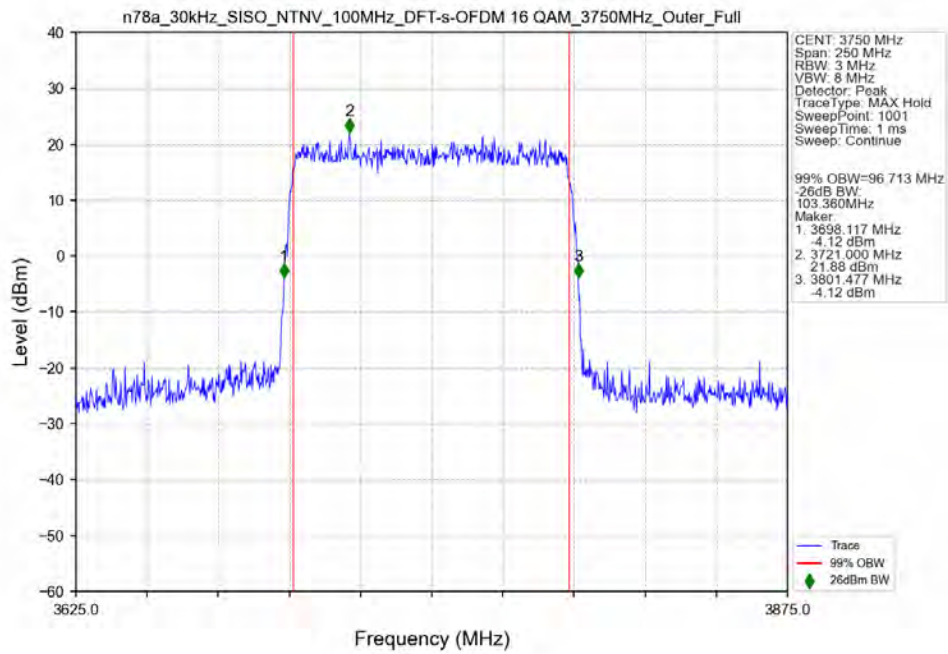
n78a 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3750MHz Outer Full Ant13



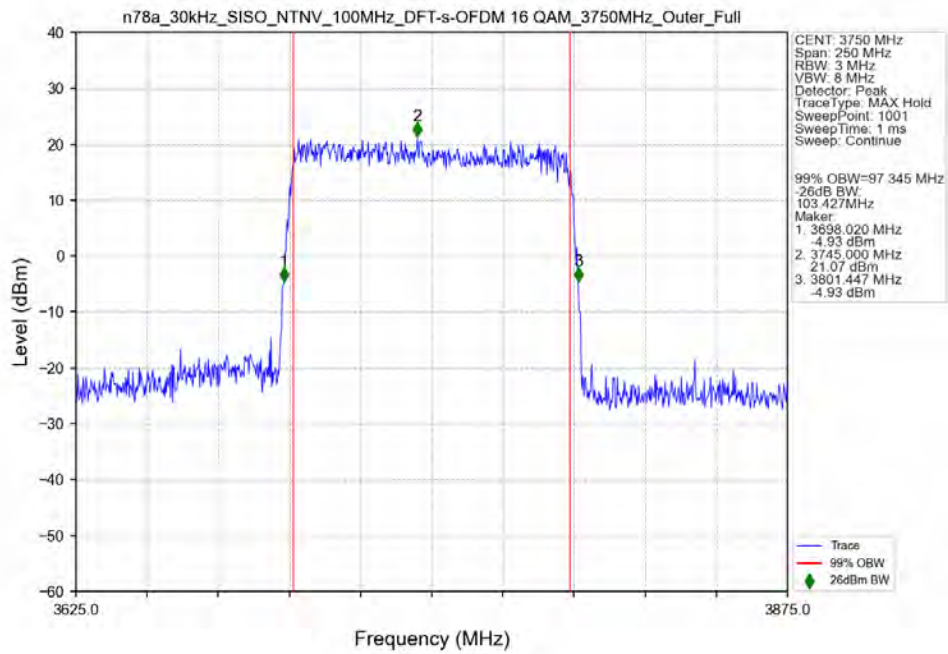
n78a 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3750MHz Outer Full Ant13



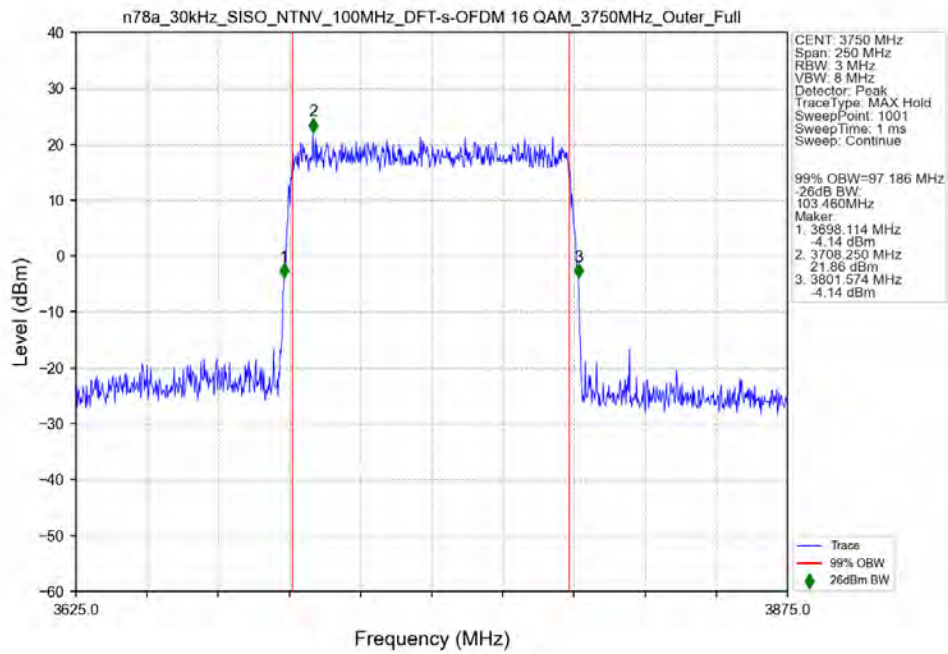
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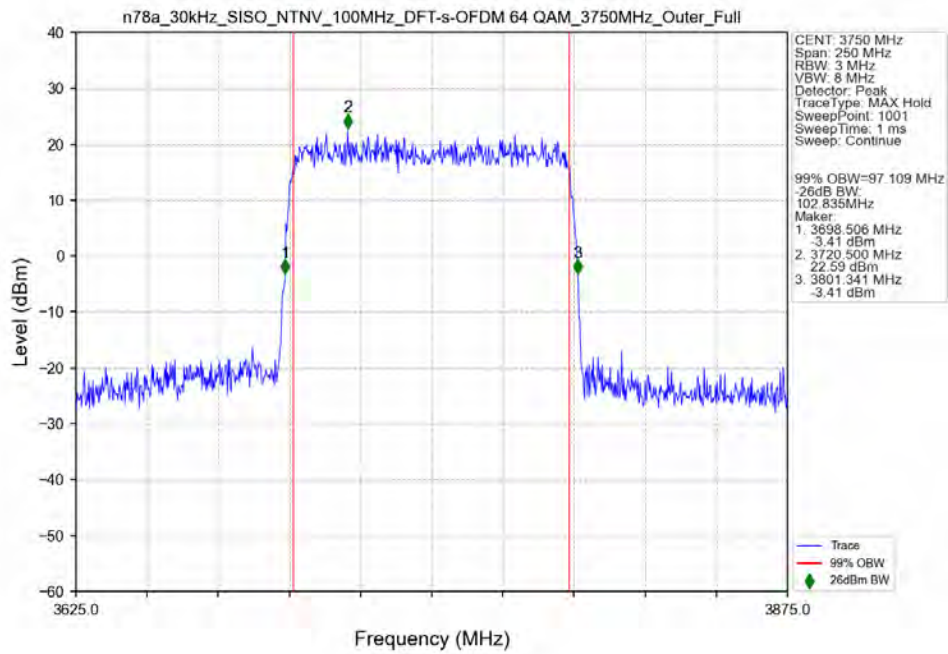
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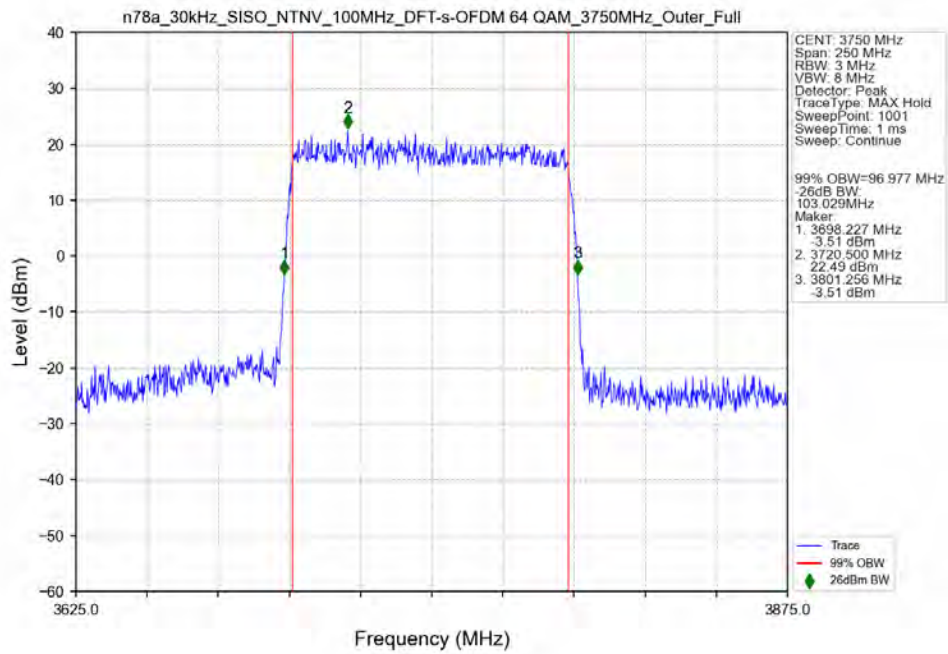
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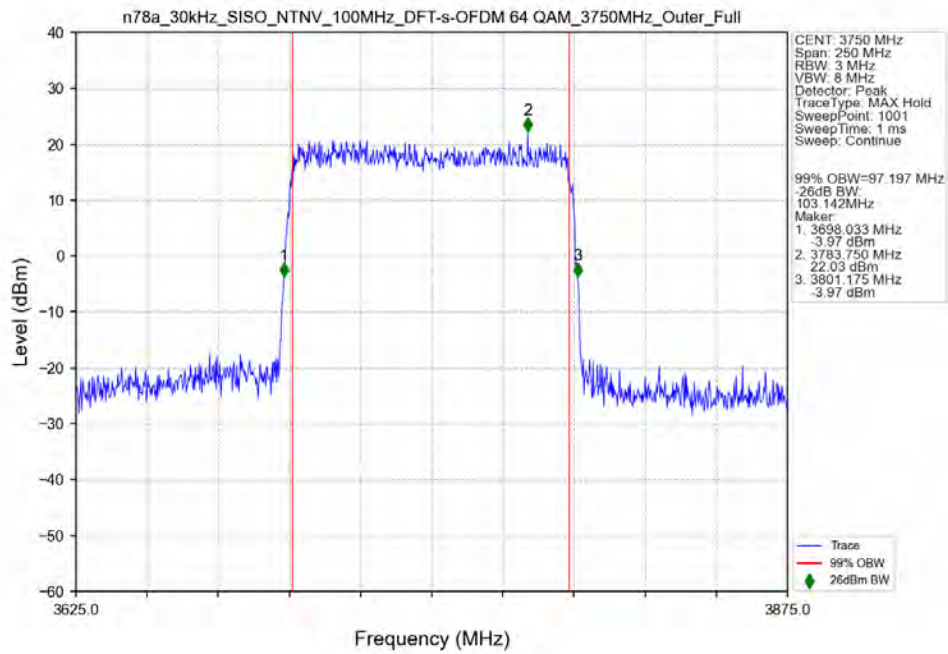
n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_3750MHz_Outer_Full_Ant13



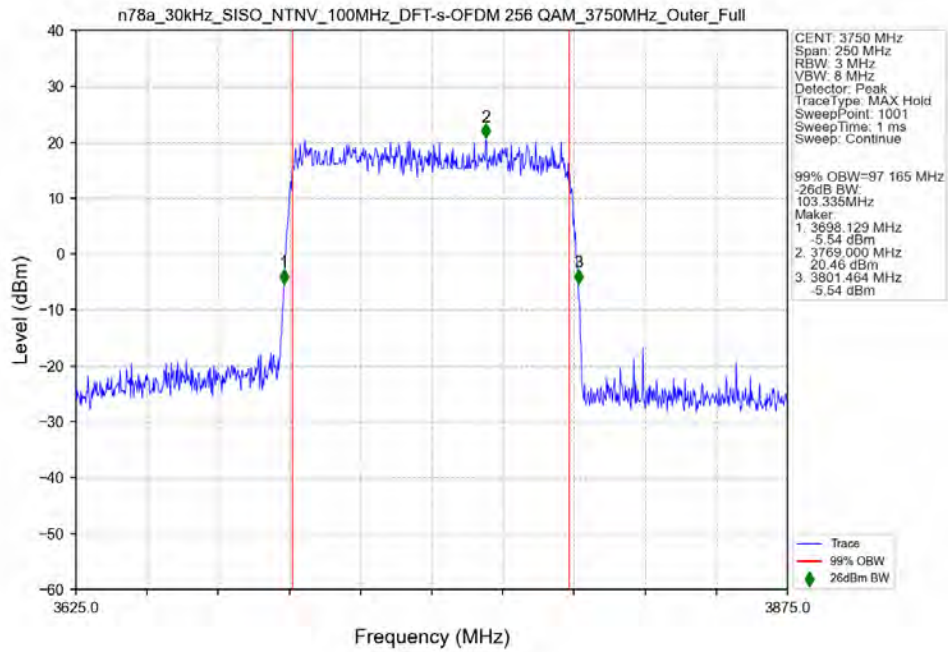
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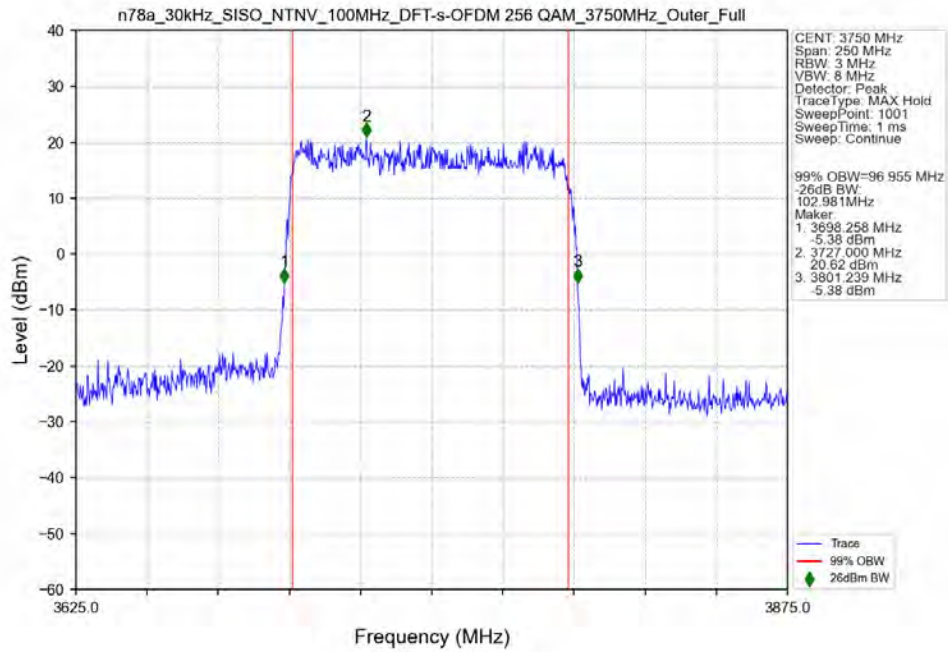
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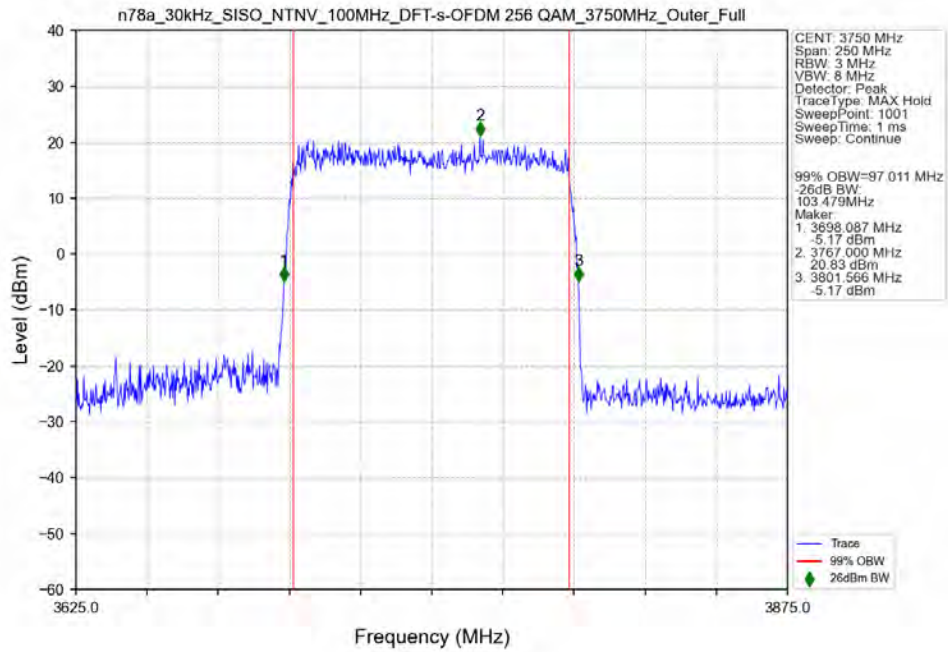
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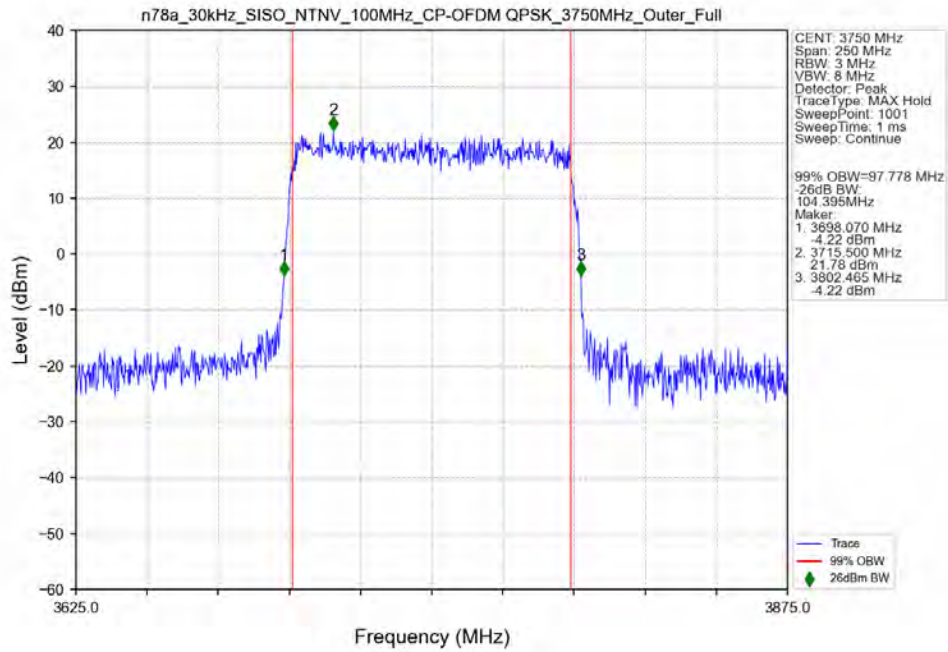
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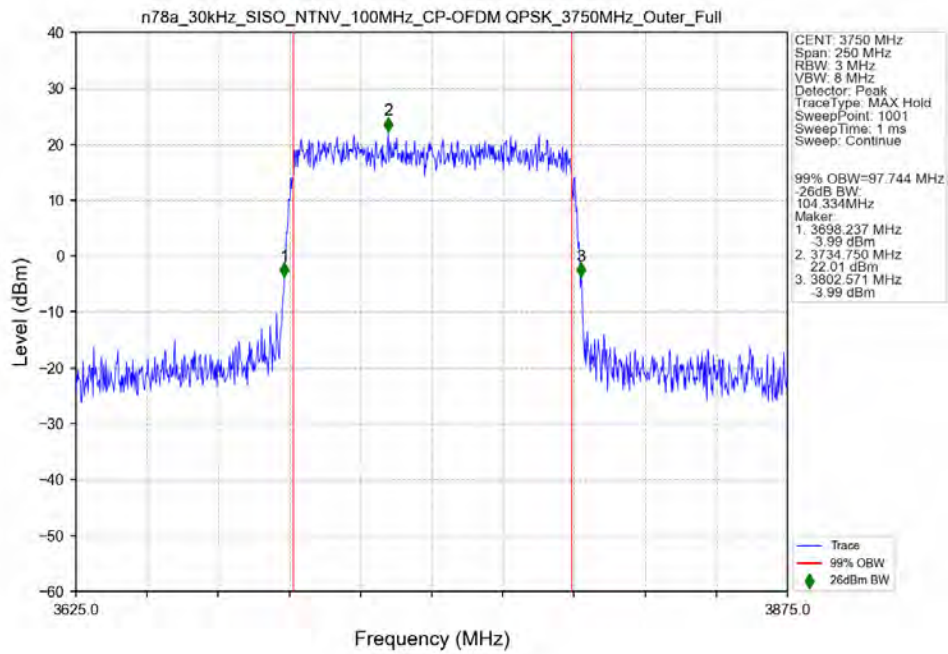
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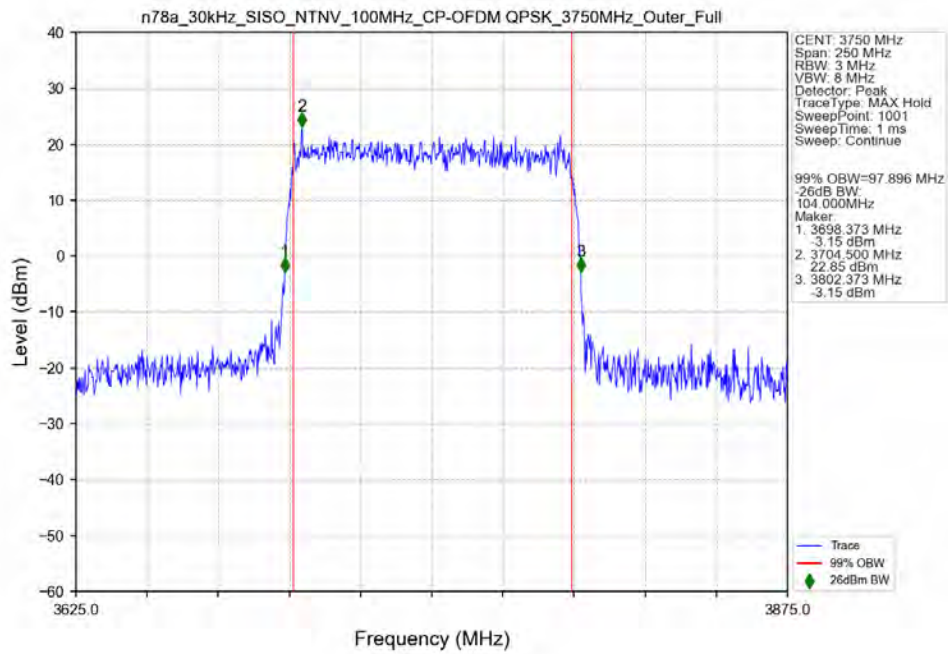
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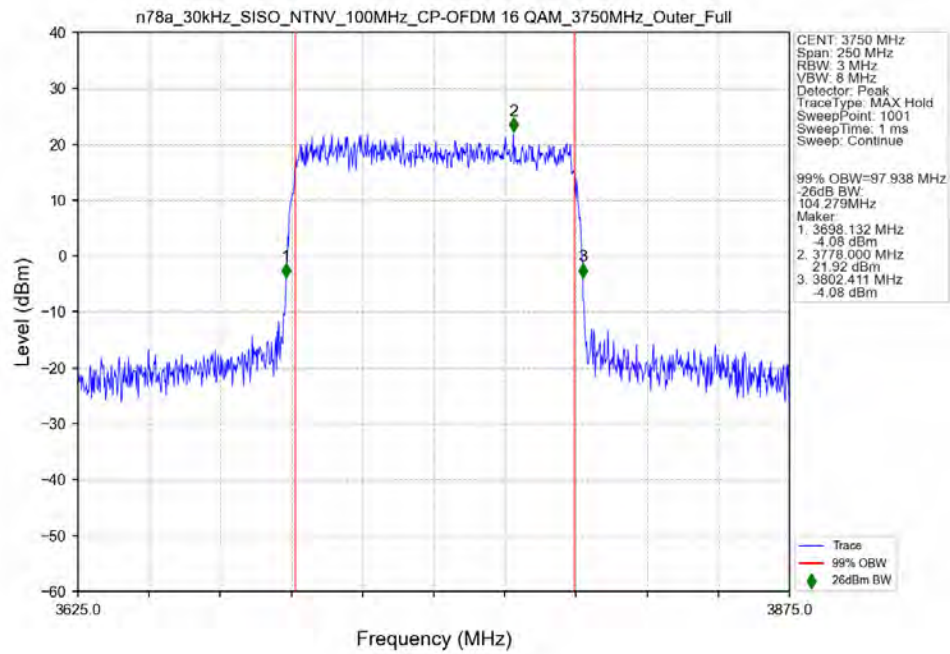
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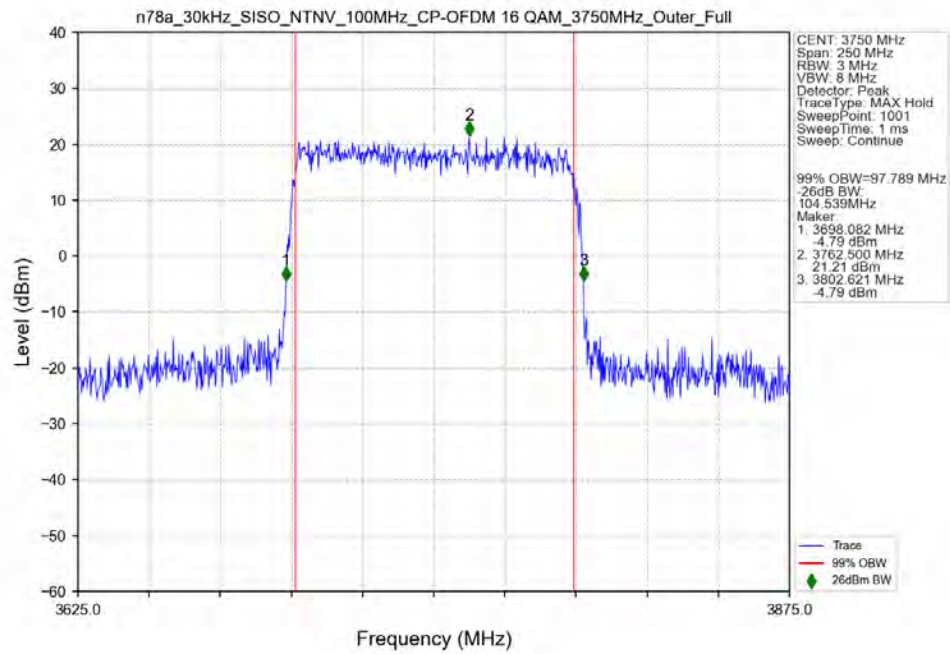
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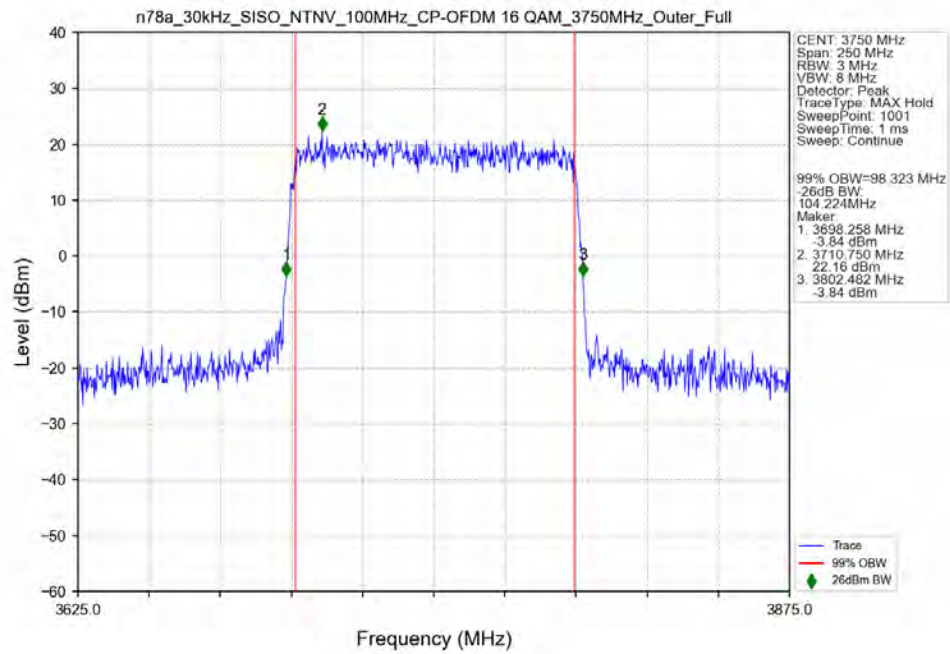
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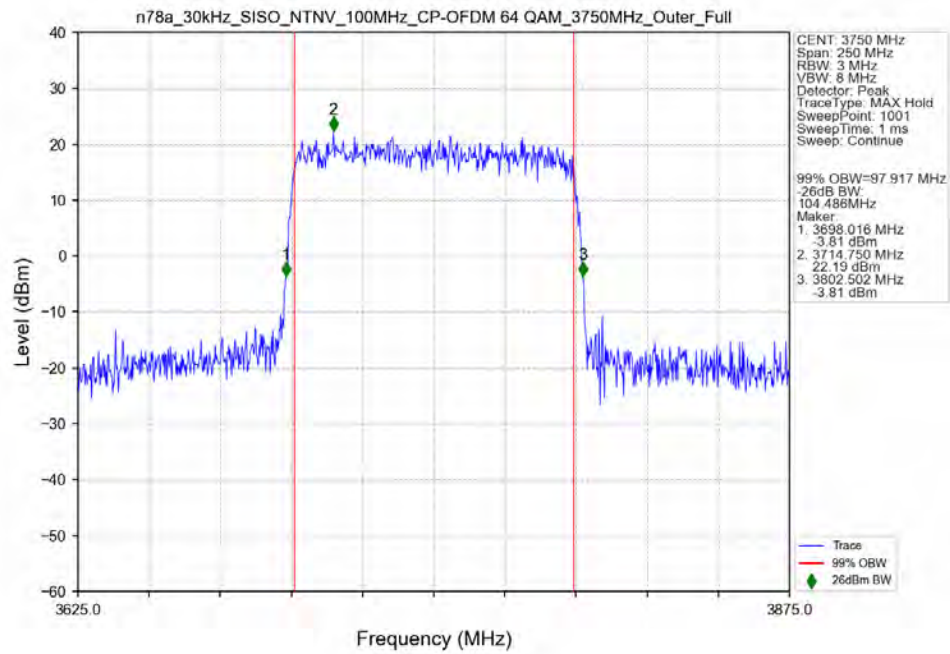
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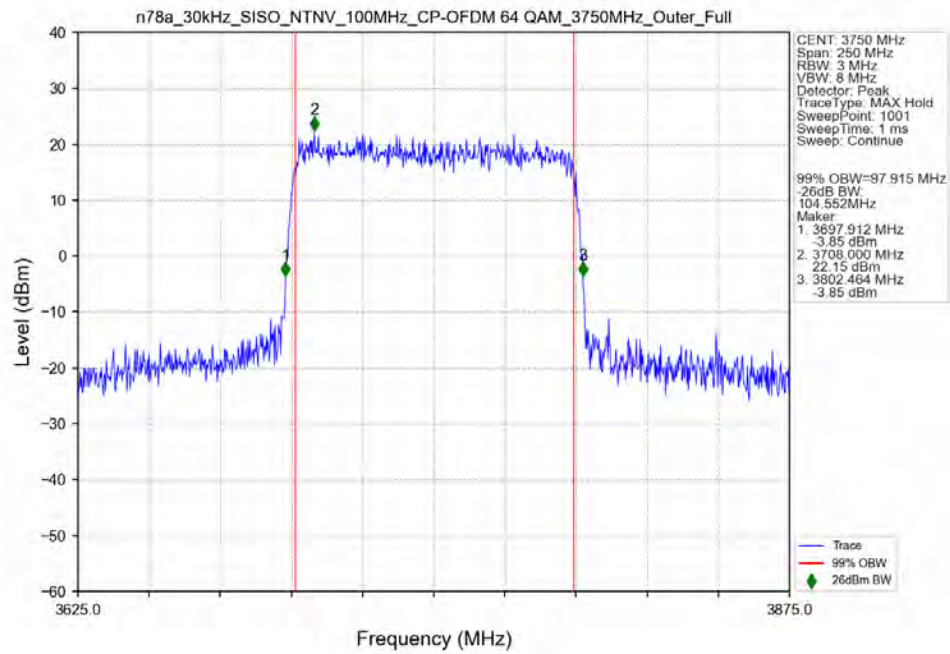
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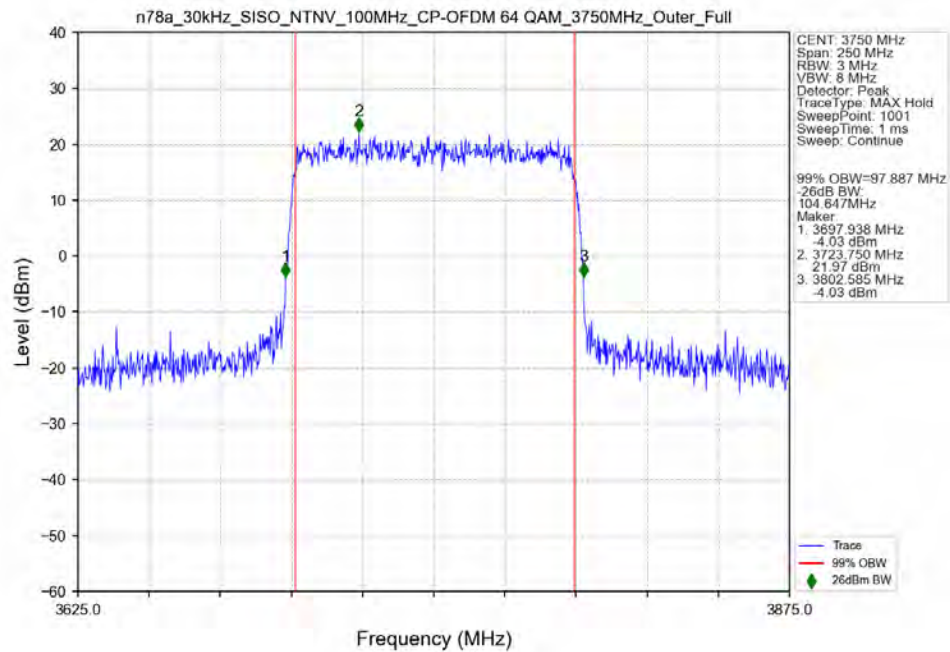
n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM 3750MHz_Outer_Full_Ant13



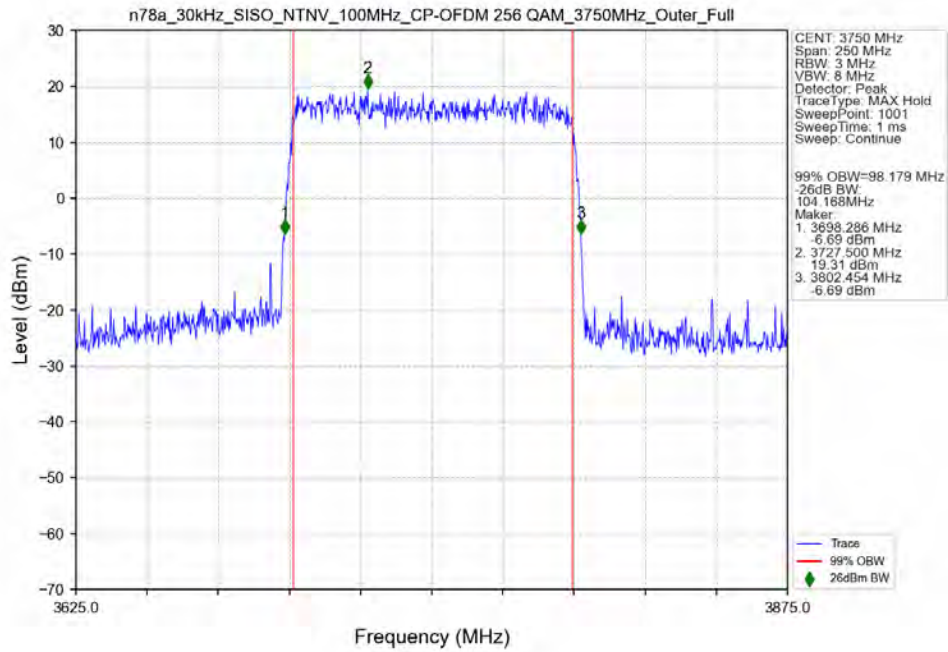
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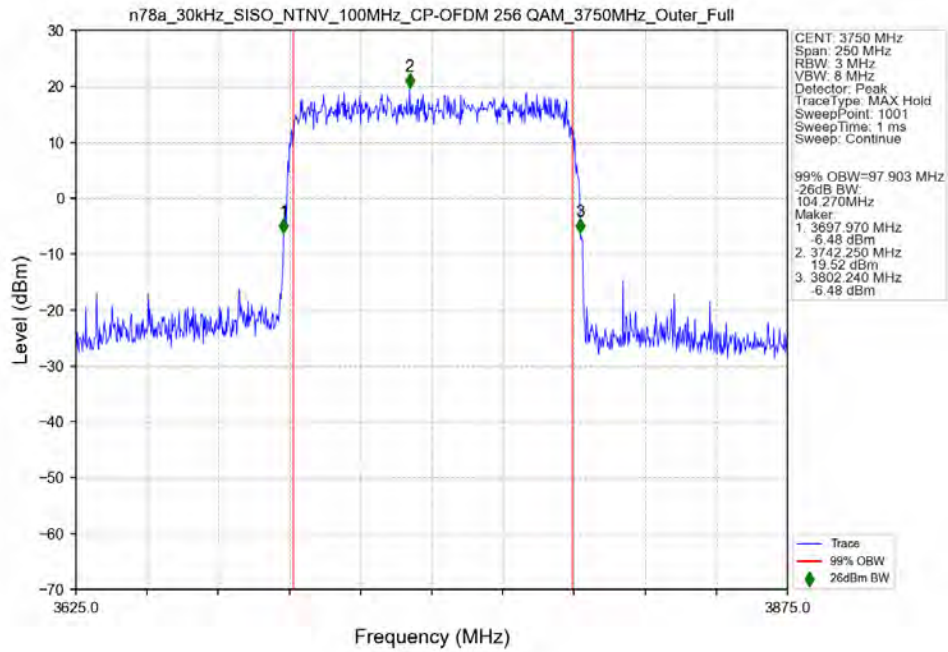
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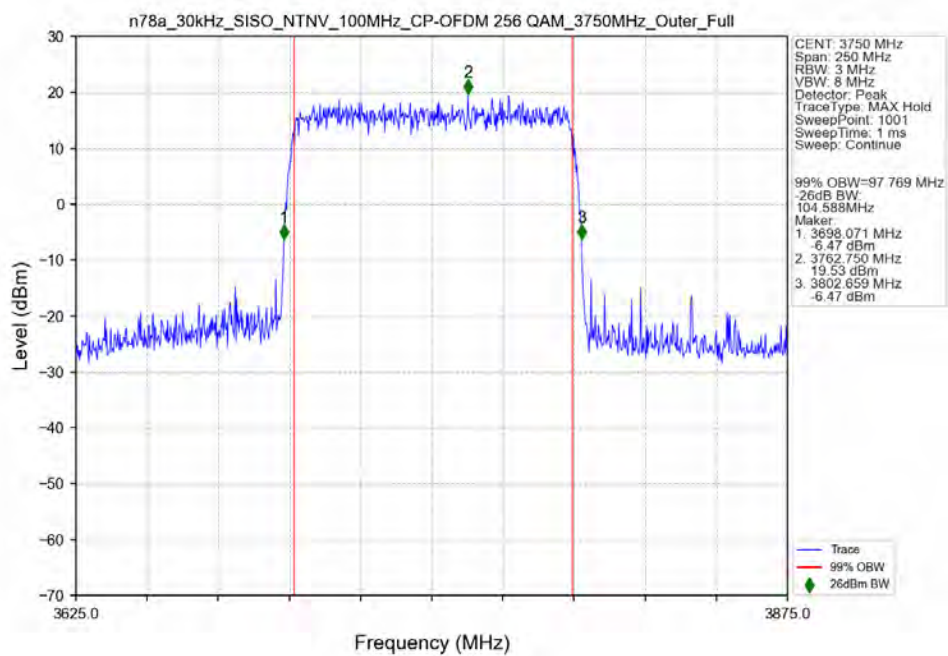
n78a 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 3750MHz Outer Full Ant13



n78a 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 3750MHz Outer_Full Ant13



n78a 30kHz SISO NTV 100MHz CP-OFDM 256 QAM 3750MHz Outer Full Ant13



4. Peak-Average Ratio

4.1 Test Result

4.1.1 30k_SISO_10MHz_NTNV

5G NR n78a SCS=30kHz SISO 10MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3705	Outer_Full	4.45	/	/	<=13	Pass
	3750	Outer_Full	4.33	/	/	<=13	Pass
	3795	Outer_Full	4.25	/	/	<=13	Pass
DFT-s-OFDM QPSK	3705	Outer_Full	5.18	/	/	<=13	Pass
	3750	Outer_Full	5.12	/	/	<=13	Pass
	3795	Outer_Full	4.99	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3705	Outer_Full	5.63	/	/	<=13	Pass
	3750	Outer_Full	5.58	/	/	<=13	Pass
	3795	Outer_Full	5.43	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3705	Outer_Full	5.81	/	/	<=13	Pass
	3750	Outer_Full	5.79	/	/	<=13	Pass
	3795	Outer_Full	5.64	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3705	Outer_Full	6.42	/	/	<=13	Pass
	3750	Outer_Full	6.38	/	/	<=13	Pass
	3795	Outer_Full	6.27	/	/	<=13	Pass
CP-OFDM QPSK	3705	Outer_Full	6.35	/	/	<=13	Pass
	3750	Outer_Full	6.25	/	/	<=13	Pass
	3795	Outer_Full	6.11	/	/	<=13	Pass
CP-OFDM 16 QAM	3705	Outer_Full	6.26	/	/	<=13	Pass
	3750	Outer_Full	6.21	/	/	<=13	Pass
	3795	Outer_Full	6.08	/	/	<=13	Pass
CP-OFDM 64 QAM	3705	Outer_Full	6.35	/	/	<=13	Pass
	3750	Outer_Full	6.34	/	/	<=13	Pass
	3795	Outer_Full	6.22	/	/	<=13	Pass
CP-OFDM 256 QAM	3705	Outer_Full	7.81	/	/	<=13	Pass
	3750	Outer_Full	7.81	/	/	<=13	Pass
	3795	Outer_Full	7.72	/	/	<=13	Pass

4.1.2 30k_SISO_15MHz_NTNV

5G NR n78a SCS=30kHz SISO 15MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3707.52	Outer_Full	4.31	/	/	<=13	Pass
	3750	Outer_Full	4.28	/	/	<=13	Pass
	3792.48	Outer_Full	4.09	/	/	<=13	Pass
DFT-s-OFDM QPSK	3707.52	Outer_Full	4.94	/	/	<=13	Pass
	3750	Outer_Full	4.91	/	/	<=13	Pass
	3792.48	Outer_Full	4.70	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3707.52	Outer_Full	5.40	/	/	<=13	Pass
	3750	Outer_Full	5.43	/	/	<=13	Pass
	3792.48	Outer_Full	5.33	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3707.52	Outer_Full	5.63	/	/	<=13	Pass
	3750	Outer_Full	5.67	/	/	<=13	Pass
	3792.48	Outer_Full	5.37	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	3707.52	Outer_Full	6.21	/	/	<=13	Pass
	3750	Outer_Full	6.25	/	/	<=13	Pass
	3792.48	Outer_Full	6.02	/	/	<=13	Pass
CP-OFDM QPSK	3707.52	Outer_Full	6.06	/	/	<=13	Pass
	3750	Outer_Full	6.06	/	/	<=13	Pass
	3792.48	Outer_Full	5.86	/	/	<=13	Pass
CP-OFDM 16 QAM	3707.52	Outer_Full	6.02	/	/	<=13	Pass
	3750	Outer_Full	6.09	/	/	<=13	Pass
	3792.48	Outer_Full	5.86	/	/	<=13	Pass
CP-OFDM 64 QAM	3707.52	Outer_Full	6.11	/	/	<=13	Pass
	3750	Outer_Full	6.22	/	/	<=13	Pass
	3792.48	Outer_Full	5.95	/	/	<=13	Pass
CP-OFDM 256 QAM	3707.52	Outer_Full	7.78	/	/	<=13	Pass
	3750	Outer_Full	7.90	/	/	<=13	Pass
	3792.48	Outer_Full	7.61	/	/	<=13	Pass

4.1.3 30k_SISO_20MHz_NTNV

5G NR n78a SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3710.01	Outer_Full	4.31	/	/	<=13	Pass
	3750	Outer_Full	4.27	/	/	<=13	Pass
	3789.99	Outer_Full	4.73	/	/	<=13	Pass
DFT-s-OFDM QPSK	3710.01	Outer_Full	4.94	/	/	<=13	Pass
	3750	Outer_Full	4.99	/	/	<=13	Pass
	3789.99	Outer_Full	4.79	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3710.01	Outer_Full	5.39	/	/	<=13	Pass
	3750	Outer_Full	5.49	/	/	<=13	Pass
	3789.99	Outer_Full	5.46	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3710.01	Outer_Full	5.52	/	/	<=13	Pass
	3750	Outer_Full	5.67	/	/	<=13	Pass
	3789.99	Outer_Full	5.46	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3710.01	Outer_Full	6.17	/	/	<=13	Pass
	3750	Outer_Full	6.31	/	/	<=13	Pass
	3789.99	Outer_Full	6.10	/	/	<=13	Pass
CP-OFDM QPSK	3710.01	Outer_Full	5.99	/	/	<=13	Pass
	3750	Outer_Full	6.10	/	/	<=13	Pass
	3789.99	Outer_Full	6.01	/	/	<=13	Pass
CP-OFDM 16 QAM	3710.01	Outer_Full	6.01	/	/	<=13	Pass
	3750	Outer_Full	6.12	/	/	<=13	Pass
	3789.99	Outer_Full	6.04	/	/	<=13	Pass
CP-OFDM 64 QAM	3710.01	Outer_Full	6.08	/	/	<=13	Pass
	3750	Outer_Full	6.24	/	/	<=13	Pass
	3789.99	Outer_Full	6.01	/	/	<=13	Pass
CP-OFDM 256 QAM	3710.01	Outer_Full	7.68	/	/	<=13	Pass
	3750	Outer_Full	7.87	/	/	<=13	Pass
	3789.99	Outer_Full	7.64	/	/	<=13	Pass

4.1.4 30k_SISO_30MHz_NTNV

5G NR n78a SCS=30kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3715.02	Outer_Full	3.90	/	/	<=13	Pass
	3750	Outer_Full	4.03	/	/	<=13	Pass

	3784.98	Outer_Full	4.10	/	/	<=13	Pass
DFT-s-OFDM QPSK	3715.02	Outer_Full	4.78	/	/	<=13	Pass
	3750	Outer_Full	4.69	/	/	<=13	Pass
	3784.98	Outer_Full	4.69	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3715.02	Outer_Full	5.41	/	/	<=13	Pass
	3750	Outer_Full	5.45	/	/	<=13	Pass
	3784.98	Outer_Full	5.60	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3715.02	Outer_Full	5.47	/	/	<=13	Pass
	3750	Outer_Full	5.54	/	/	<=13	Pass
	3784.98	Outer_Full	5.69	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3715.02	Outer_Full	5.83	/	/	<=13	Pass
	3750	Outer_Full	5.92	/	/	<=13	Pass
	3784.98	Outer_Full	6.10	/	/	<=13	Pass
CP-OFDM QPSK	3715.02	Outer_Full	6.28	/	/	<=13	Pass
	3750	Outer_Full	6.41	/	/	<=13	Pass
	3784.98	Outer_Full	6.63	/	/	<=13	Pass
CP-OFDM 16 QAM	3715.02	Outer_Full	6.31	/	/	<=13	Pass
	3750	Outer_Full	6.47	/	/	<=13	Pass
	3784.98	Outer_Full	6.64	/	/	<=13	Pass
CP-OFDM 64 QAM	3715.02	Outer_Full	6.30	/	/	<=13	Pass
	3750	Outer_Full	6.45	/	/	<=13	Pass
	3784.98	Outer_Full	6.65	/	/	<=13	Pass
CP-OFDM 256 QAM	3715.02	Outer_Full	7.35	/	/	<=13	Pass
	3750	Outer_Full	7.55	/	/	<=13	Pass
	3784.98	Outer_Full	7.73	/	/	<=13	Pass

4.1.5 30k_SISO_40MHz_NTNV

5G NR n78a SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3720	Outer_Full	3.86	/	/	<=13	Pass
	3750	Outer_Full	4.01	/	/	<=13	Pass
	3780	Outer_Full	4.07	/	/	<=13	Pass
DFT-s-OFDM QPSK	3720	Outer_Full	4.75	/	/	<=13	Pass
	3750	Outer_Full	4.75	/	/	<=13	Pass
	3780	Outer_Full	4.80	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3720	Outer_Full	5.39	/	/	<=13	Pass
	3750	Outer_Full	5.49	/	/	<=13	Pass
	3780	Outer_Full	5.66	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	5.47	/	/	<=13	Pass
	3750	Outer_Full	5.52	/	/	<=13	Pass
	3780	Outer_Full	5.71	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	5.79	/	/	<=13	Pass
	3750	Outer_Full	5.87	/	/	<=13	Pass
	3780	Outer_Full	6.05	/	/	<=13	Pass
CP-OFDM QPSK	3720	Outer_Full	6.27	/	/	<=13	Pass
	3750	Outer_Full	6.35	/	/	<=13	Pass
	3780	Outer_Full	6.61	/	/	<=13	Pass
CP-OFDM 16 QAM	3720	Outer_Full	6.28	/	/	<=13	Pass
	3750	Outer_Full	6.39	/	/	<=13	Pass
	3780	Outer_Full	6.63	/	/	<=13	Pass
CP-OFDM 64 QAM	3720	Outer_Full	6.29	/	/	<=13	Pass
	3750	Outer_Full	6.40	/	/	<=13	Pass
	3780	Outer_Full	6.63	/	/	<=13	Pass
CP-OFDM 256 QAM	3720	Outer_Full	7.47	/	/	<=13	Pass
	3750	Outer_Full	7.60	/	/	<=13	Pass

	3780	Outer_Full	7.85	/	/	<=13	Pass
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4.1.6 30k_SISO_50MHz_NTNV

5G NR n78a SCS=30kHz SISO 50MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3725.01	Outer_Full	4.41	/	/	<=13	Pass
	3750	Outer_Full	4.36	/	/	<=13	Pass
	3774.99	Outer_Full	4.41	/	/	<=13	Pass
DFT-s-OFDM QPSK	3725.01	Outer_Full	4.91	/	/	<=13	Pass
	3750	Outer_Full	4.89	/	/	<=13	Pass
	3774.99	Outer_Full	4.87	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3725.01	Outer_Full	5.58	/	/	<=13	Pass
	3750	Outer_Full	5.58	/	/	<=13	Pass
	3774.99	Outer_Full	5.72	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3725.01	Outer_Full	5.67	/	/	<=13	Pass
	3750	Outer_Full	5.69	/	/	<=13	Pass
	3774.99	Outer_Full	5.84	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	5.96	/	/	<=13	Pass
	3750	Outer_Full	6.00	/	/	<=13	Pass
	3774.99	Outer_Full	6.21	/	/	<=13	Pass
CP-OFDM QPSK	3725.01	Outer_Full	6.50	/	/	<=13	Pass
	3750	Outer_Full	6.56	/	/	<=13	Pass
	3774.99	Outer_Full	6.77	/	/	<=13	Pass
CP-OFDM 16 QAM	3725.01	Outer_Full	6.50	/	/	<=13	Pass
	3750	Outer_Full	6.54	/	/	<=13	Pass
	3774.99	Outer_Full	6.73	/	/	<=13	Pass
CP-OFDM 64 QAM	3725.01	Outer_Full	6.52	/	/	<=13	Pass
	3750	Outer_Full	6.59	/	/	<=13	Pass
	3774.99	Outer_Full	6.79	/	/	<=13	Pass
CP-OFDM 256 QAM	3725.01	Outer_Full	7.69	/	/	<=13	Pass
	3750	Outer_Full	7.73	/	/	<=13	Pass
	3774.99	Outer_Full	8.02	/	/	<=13	Pass

4.1.7 30k_SISO_60MHz_NTNV

5G NR n78a SCS=30kHz SISO 60MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3730.02	Outer_Full	4.23	/	/	<=13	Pass
	3750	Outer_Full	4.20	/	/	<=13	Pass
	3769.98	Outer_Full	4.46	/	/	<=13	Pass
DFT-s-OFDM QPSK	3730.02	Outer_Full	4.76	/	/	<=13	Pass
	3750	Outer_Full	4.74	/	/	<=13	Pass
	3769.98	Outer_Full	4.79	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3730.02	Outer_Full	5.62	/	/	<=13	Pass
	3750	Outer_Full	5.64	/	/	<=13	Pass
	3769.98	Outer_Full	5.75	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3730.02	Outer_Full	5.79	/	/	<=13	Pass
	3750	Outer_Full	5.80	/	/	<=13	Pass
	3769.98	Outer_Full	5.93	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3730.02	Outer_Full	6.09	/	/	<=13	Pass
	3750	Outer_Full	6.09	/	/	<=13	Pass
	3769.98	Outer_Full	6.26	/	/	<=13	Pass
CP-OFDM QPSK	3730.02	Outer_Full	6.67	/	/	<=13	Pass

CP-OFDM 16 QAM	3750	Outer_Full	6.66	/	/	<=13	Pass
	3769.98	Outer_Full	6.84	/	/	<=13	Pass
	3730.02	Outer_Full	6.66	/	/	<=13	Pass
	3750	Outer_Full	6.65	/	/	<=13	Pass
	3769.98	Outer_Full	6.83	/	/	<=13	Pass
CP-OFDM 64 QAM	3730.02	Outer_Full	6.70	/	/	<=13	Pass
	3750	Outer_Full	6.68	/	/	<=13	Pass
	3769.98	Outer_Full	6.89	/	/	<=13	Pass
CP-OFDM 256 QAM	3730.02	Outer_Full	7.78	/	/	<=13	Pass
	3750	Outer_Full	7.76	/	/	<=13	Pass
	3769.98	Outer_Full	8.00	/	/	<=13	Pass

4.1.8 30k_SISO_70MHz_NTNV

5G NR n78a SCS=30kHz SISO 70MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3735	Outer_Full	4.07	/	/	<=13	Pass
	3750	Outer_Full	4.21	/	/	<=13	Pass
	3765	Outer_Full	4.26	/	/	<=13	Pass
DFT-s-OFDM QPSK	3735	Outer_Full	4.75	/	/	<=13	Pass
	3750	Outer_Full	4.78	/	/	<=13	Pass
	3765	Outer_Full	4.84	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3735	Outer_Full	5.74	/	/	<=13	Pass
	3750	Outer_Full	5.74	/	/	<=13	Pass
	3765	Outer_Full	5.90	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3735	Outer_Full	5.90	/	/	<=13	Pass
	3750	Outer_Full	5.90	/	/	<=13	Pass
	3765	Outer_Full	6.09	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3735	Outer_Full	6.23	/	/	<=13	Pass
	3750	Outer_Full	6.22	/	/	<=13	Pass
	3765	Outer_Full	6.47	/	/	<=13	Pass
CP-OFDM QPSK	3735	Outer_Full	6.89	/	/	<=13	Pass
	3750	Outer_Full	6.92	/	/	<=13	Pass
	3765	Outer_Full	7.18	/	/	<=13	Pass
CP-OFDM 16 QAM	3735	Outer_Full	6.98	/	/	<=13	Pass
	3750	Outer_Full	6.96	/	/	<=13	Pass
	3765	Outer_Full	7.21	/	/	<=13	Pass
CP-OFDM 64 QAM	3735	Outer_Full	6.98	/	/	<=13	Pass
	3750	Outer_Full	6.96	/	/	<=13	Pass
	3765	Outer_Full	7.20	/	/	<=13	Pass
CP-OFDM 256 QAM	3735	Outer_Full	8.05	/	/	<=13	Pass
	3750	Outer_Full	8.05	/	/	<=13	Pass
	3765	Outer_Full	8.32	/	/	<=13	Pass

4.1.9 30k_SISO_80MHz_NTNV

5G NR n78a SCS=30kHz SISO 80MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3740.01	Outer_Full	3.90	/	/	<=13	Pass
	3750	Outer_Full	3.89	/	/	<=13	Pass
	3759.99	Outer_Full	3.88	/	/	<=13	Pass
DFT-s-OFDM QPSK	3740.01	Outer_Full	4.94	/	/	<=13	Pass
	3750	Outer_Full	4.92	/	/	<=13	Pass
	3759.99	Outer_Full	4.87	/	/	<=13	Pass

DFT-s-OFDM 16 QAM	3740.01	Outer_Full	6.01	/	/	<=13	Pass
	3750	Outer_Full	6.02	/	/	<=13	Pass
	3759.99	Outer_Full	5.98	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3740.01	Outer_Full	6.17	/	/	<=13	Pass
	3750	Outer_Full	6.18	/	/	<=13	Pass
	3759.99	Outer_Full	6.14	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3740.01	Outer_Full	6.53	/	/	<=13	Pass
	3750	Outer_Full	6.54	/	/	<=13	Pass
	3759.99	Outer_Full	6.49	/	/	<=13	Pass
CP-OFDM QPSK	3740.01	Outer_Full	7.02	/	/	<=13	Pass
	3750	Outer_Full	7.04	/	/	<=13	Pass
	3759.99	Outer_Full	7.07	/	/	<=13	Pass
CP-OFDM 16 QAM	3740.01	Outer_Full	7.06	/	/	<=13	Pass
	3750	Outer_Full	7.07	/	/	<=13	Pass
	3759.99	Outer_Full	7.09	/	/	<=13	Pass
CP-OFDM 64 QAM	3740.01	Outer_Full	7.10	/	/	<=13	Pass
	3750	Outer_Full	7.09	/	/	<=13	Pass
	3759.99	Outer_Full	7.13	/	/	<=13	Pass
CP-OFDM 256 QAM	3740.01	Outer_Full	8.20	/	/	<=13	Pass
	3750	Outer_Full	8.20	/	/	<=13	Pass
	3759.99	Outer_Full	8.15	/	/	<=13	Pass

4.1.10 30k_SISO_90MHz_NTNV

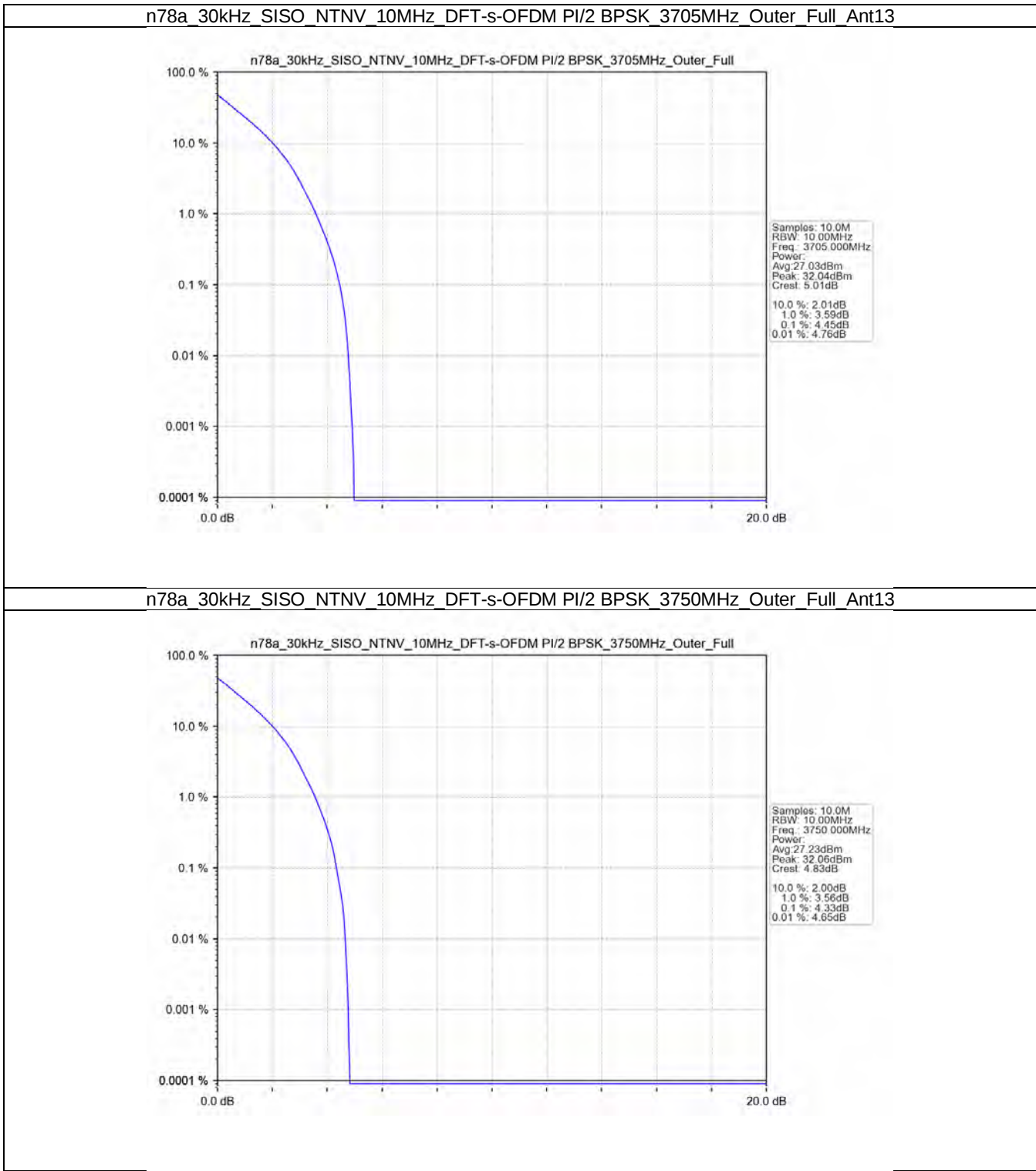
5G NR n78a SCS=30kHz SISO 90MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3745.02	Outer_Full	4.24	/	/	<=13	Pass
	3750	Outer_Full	4.29	/	/	<=13	Pass
	3754.98	Outer_Full	4.31	/	/	<=13	Pass
DFT-s-OFDM QPSK	3745.02	Outer_Full	5.30	/	/	<=13	Pass
	3750	Outer_Full	5.26	/	/	<=13	Pass
	3754.98	Outer_Full	5.26	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3745.02	Outer_Full	6.32	/	/	<=13	Pass
	3750	Outer_Full	6.32	/	/	<=13	Pass
	3754.98	Outer_Full	6.31	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3745.02	Outer_Full	6.41	/	/	<=13	Pass
	3750	Outer_Full	6.40	/	/	<=13	Pass
	3754.98	Outer_Full	6.42	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3745.02	Outer_Full	6.69	/	/	<=13	Pass
	3750	Outer_Full	6.70	/	/	<=13	Pass
	3754.98	Outer_Full	6.71	/	/	<=13	Pass
CP-OFDM QPSK	3745.02	Outer_Full	7.24	/	/	<=13	Pass
	3750	Outer_Full	7.26	/	/	<=13	Pass
	3754.98	Outer_Full	7.24	/	/	<=13	Pass
CP-OFDM 16 QAM	3745.02	Outer_Full	7.30	/	/	<=13	Pass
	3750	Outer_Full	7.29	/	/	<=13	Pass
	3754.98	Outer_Full	7.27	/	/	<=13	Pass
CP-OFDM 64 QAM	3745.02	Outer_Full	7.33	/	/	<=13	Pass
	3750	Outer_Full	7.33	/	/	<=13	Pass
	3754.98	Outer_Full	7.30	/	/	<=13	Pass
CP-OFDM 256 QAM	3745.02	Outer_Full	8.36	/	/	<=13	Pass
	3750	Outer_Full	8.37	/	/	<=13	Pass
	3754.98	Outer_Full	8.37	/	/	<=13	Pass

4.1.11 30k_SISO_100MHz_NTNV

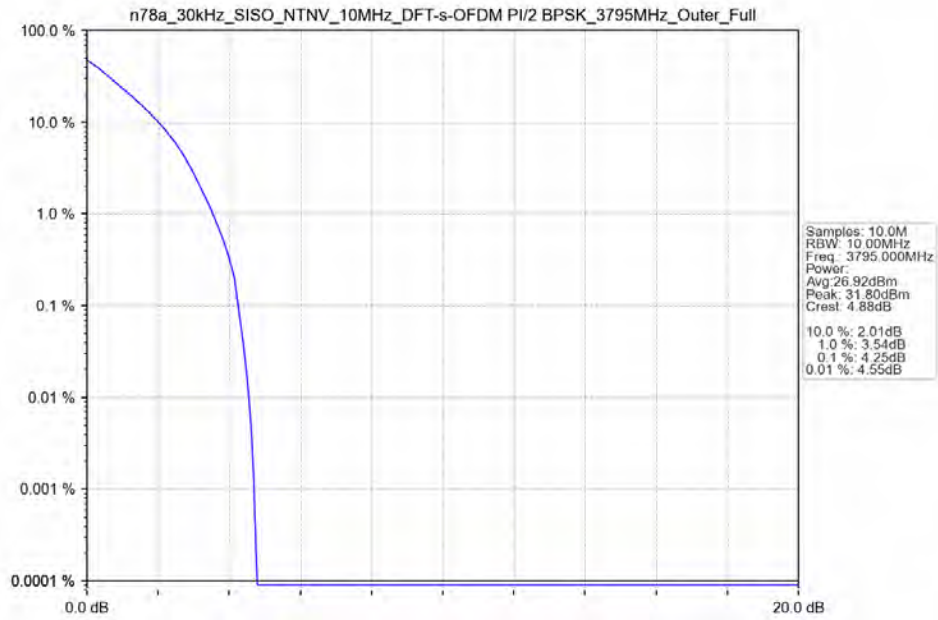
5G NR n78a SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant13	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Outer_Full	4.14	/	/	<=13	Pass
	3750	Outer_Full	4.15	/	/	<=13	Pass
	3750	Outer_Full	4.15	/	/	<=13	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	5.49	/	/	<=13	Pass
	3750	Outer_Full	5.47	/	/	<=13	Pass
	3750	Outer_Full	5.49	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3750	Outer_Full	6.45	/	/	<=13	Pass
	3750	Outer_Full	6.45	/	/	<=13	Pass
	3750	Outer_Full	6.46	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	6.58	/	/	<=13	Pass
	3750	Outer_Full	6.58	/	/	<=13	Pass
	3750	Outer_Full	6.57	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	6.85	/	/	<=13	Pass
	3750	Outer_Full	6.86	/	/	<=13	Pass
	3750	Outer_Full	6.86	/	/	<=13	Pass
CP-OFDM QPSK	3750	Outer_Full	7.44	/	/	<=13	Pass
	3750	Outer_Full	7.45	/	/	<=13	Pass
	3750	Outer_Full	7.44	/	/	<=13	Pass
CP-OFDM 16 QAM	3750	Outer_Full	7.47	/	/	<=13	Pass
	3750	Outer_Full	7.47	/	/	<=13	Pass
	3750	Outer_Full	7.44	/	/	<=13	Pass
CP-OFDM 64 QAM	3750	Outer_Full	7.48	/	/	<=13	Pass
	3750	Outer_Full	7.47	/	/	<=13	Pass
	3750	Outer_Full	7.46	/	/	<=13	Pass
CP-OFDM 256 QAM	3750	Outer_Full	8.32	/	/	<=13	Pass
	3750	Outer_Full	8.34	/	/	<=13	Pass
	3750	Outer_Full	8.33	/	/	<=13	Pass

4.2 Test Graph

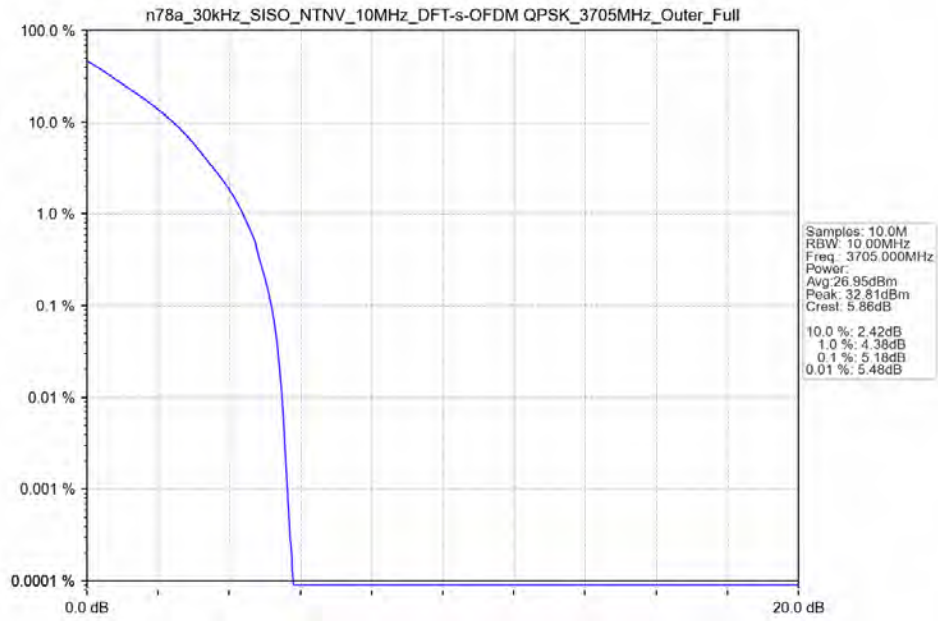
4.2.1 30k_SISO_10MHz_NTNV



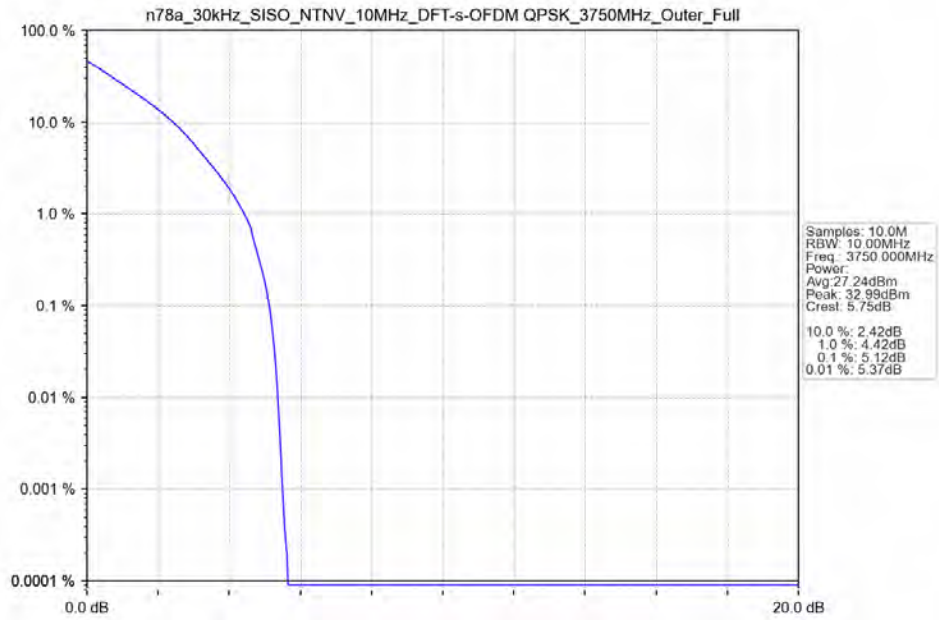
n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3795MHz_Outer_Full_Ant13



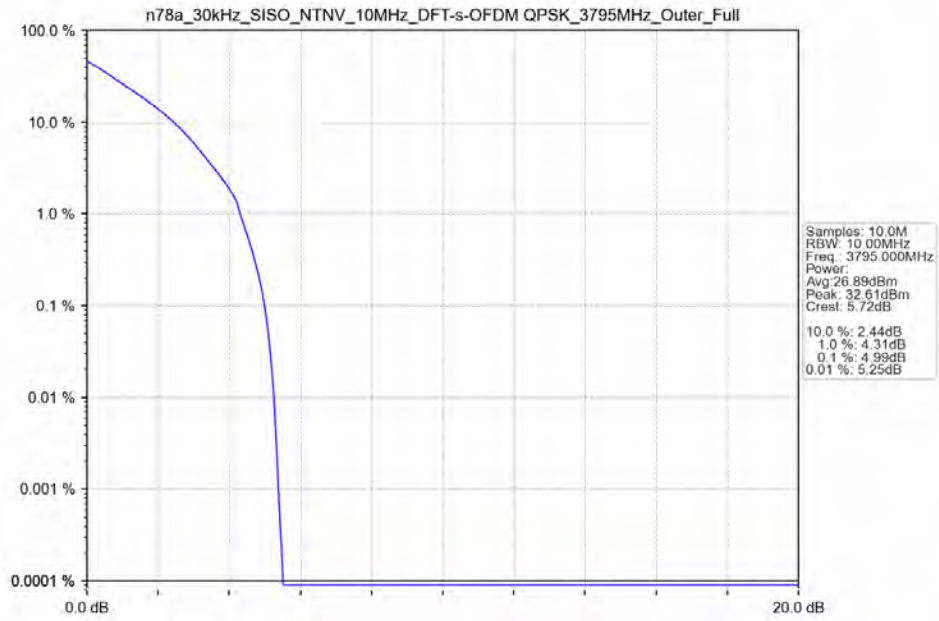
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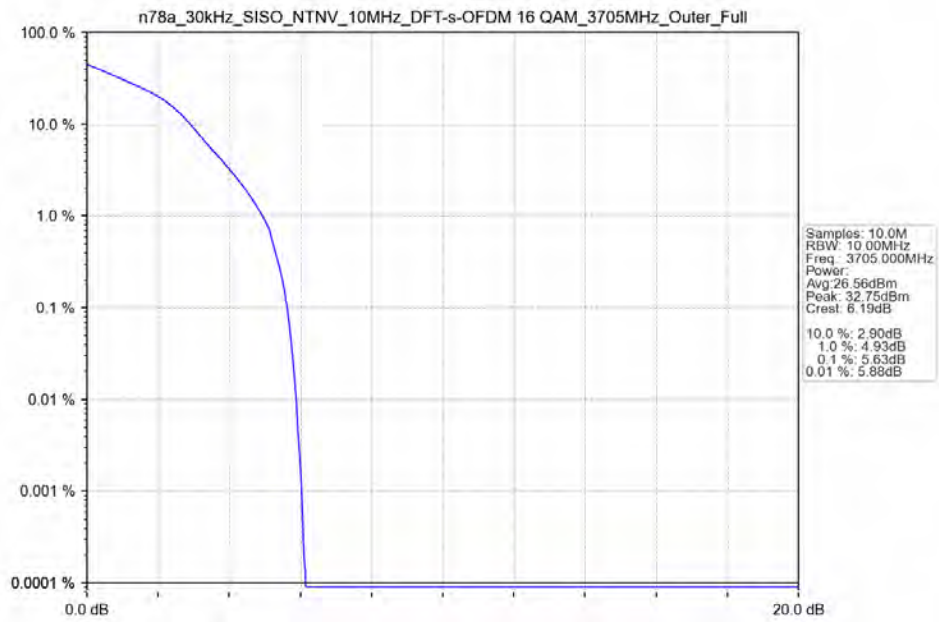
n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3750MHz_Outer_Full_Ant13



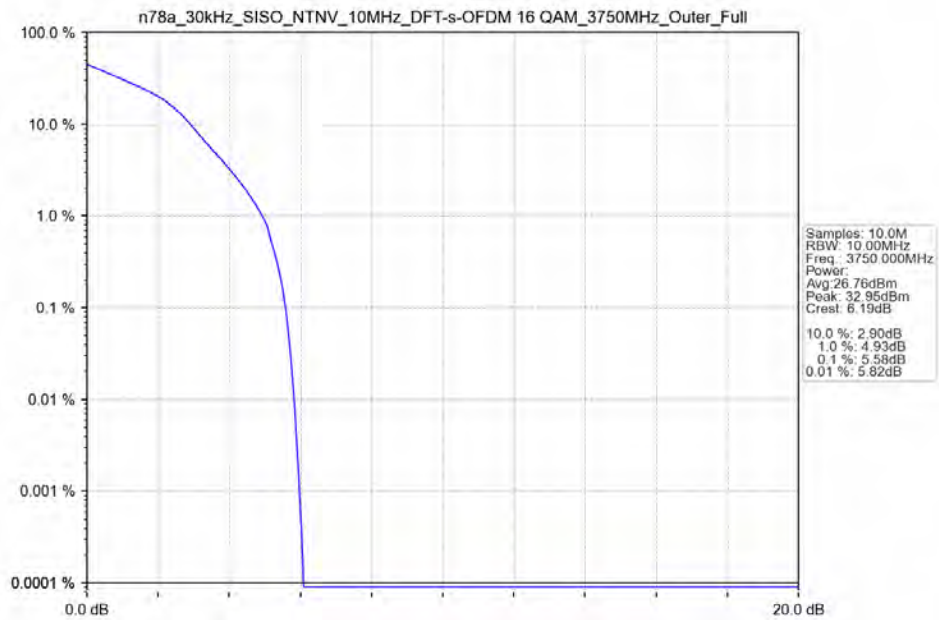
n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3795MHz_Outer_Full_Ant13



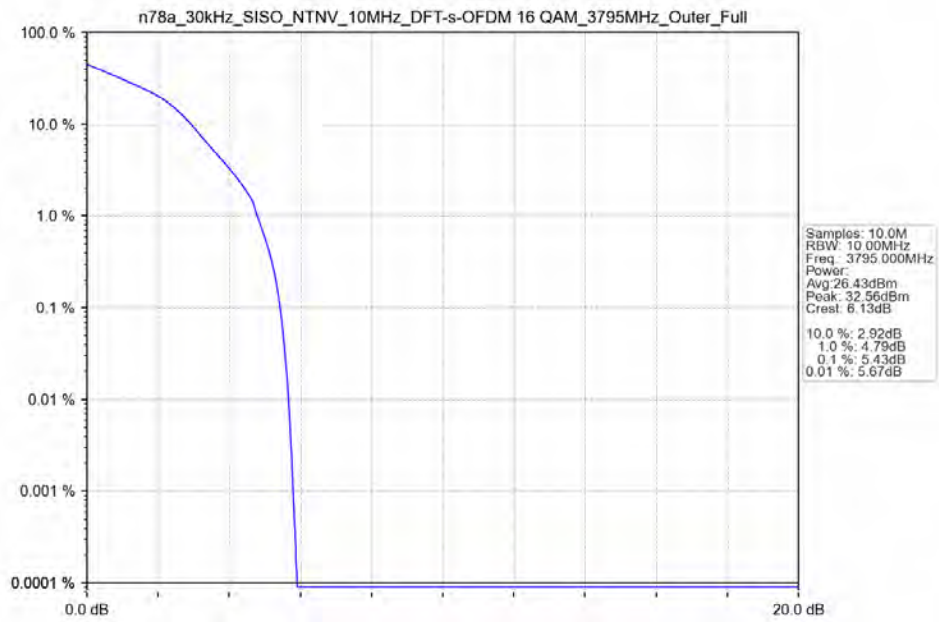
n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3705MHz_Outer_Full_Ant13



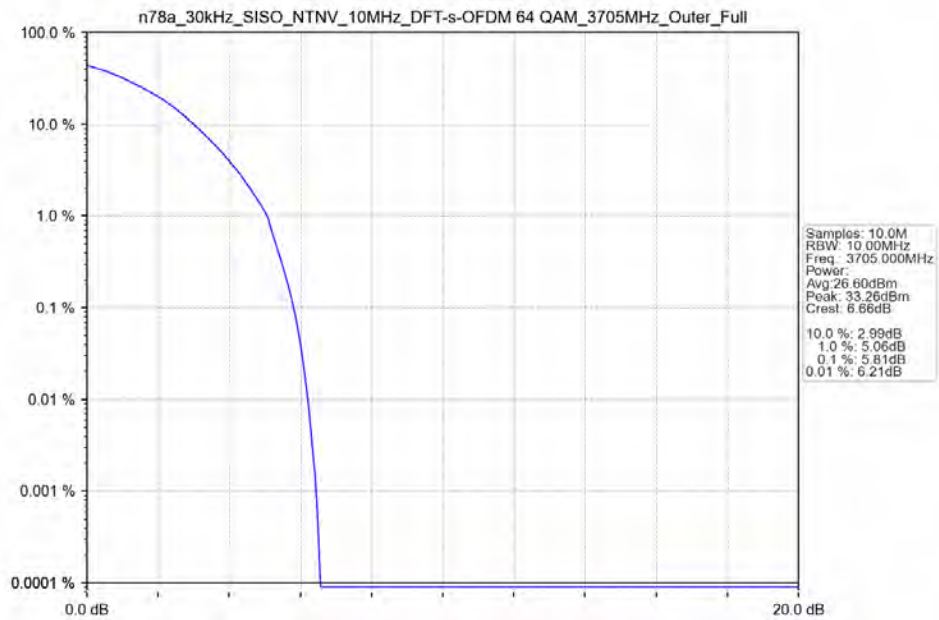
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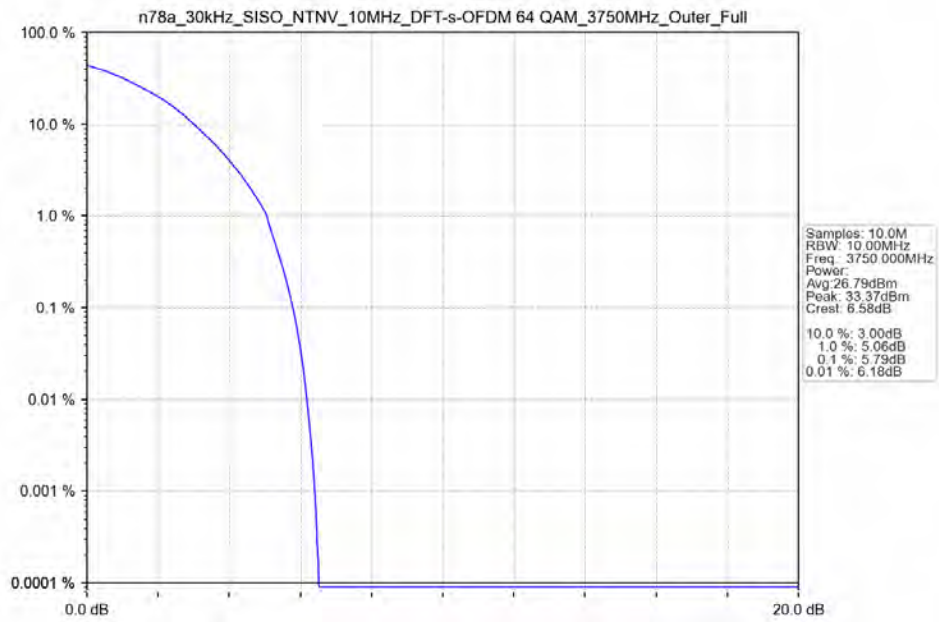
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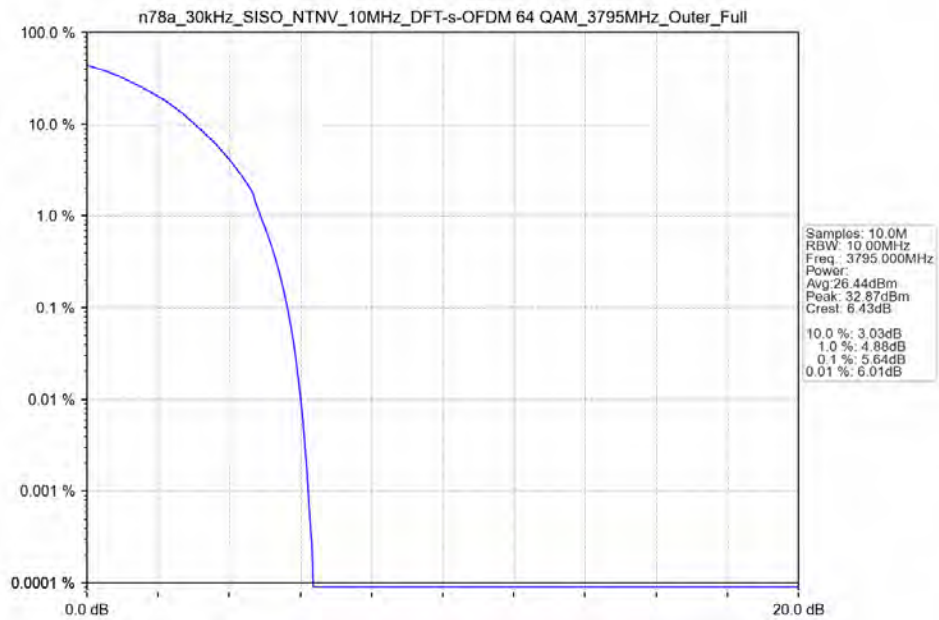
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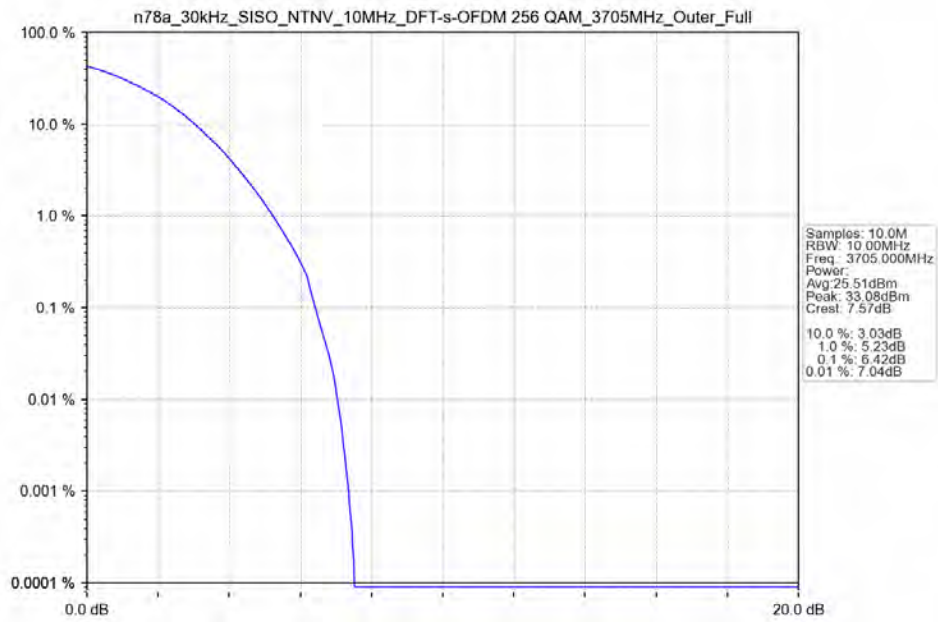
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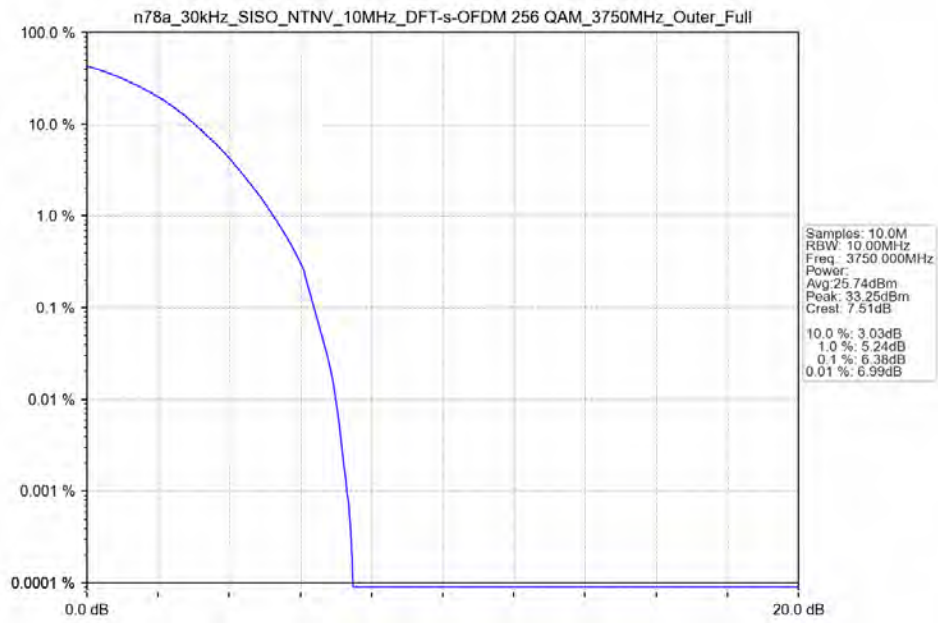
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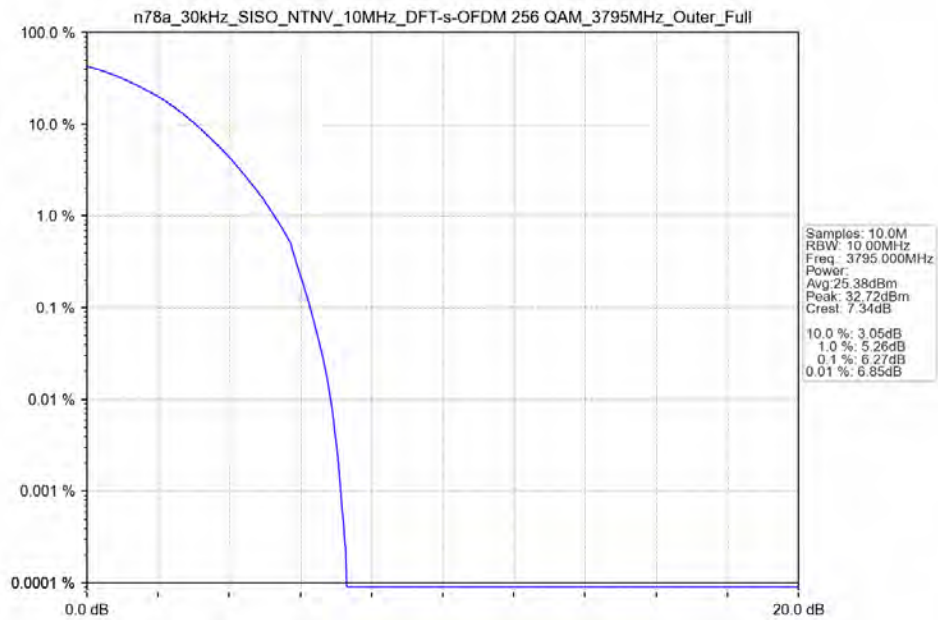
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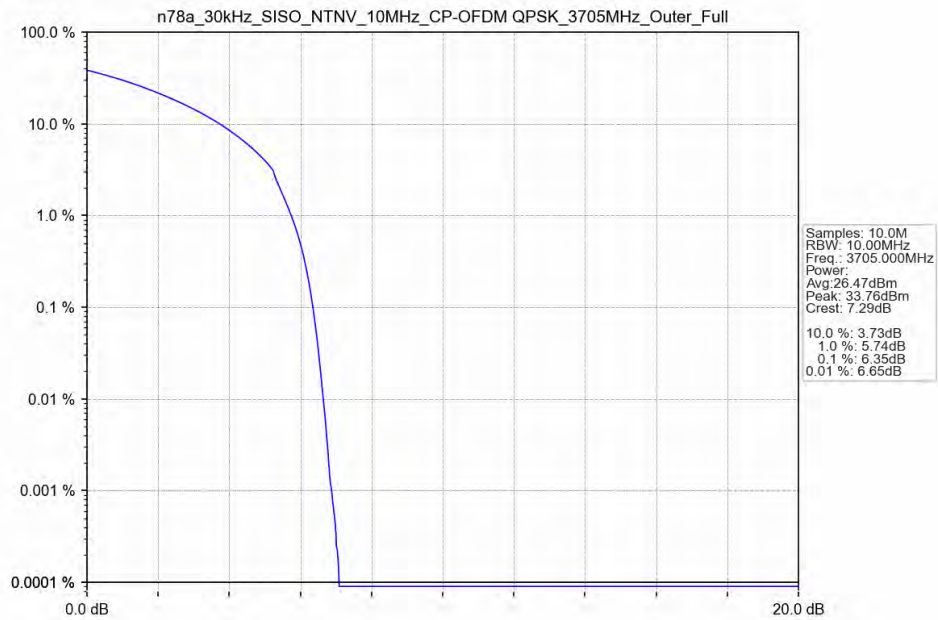
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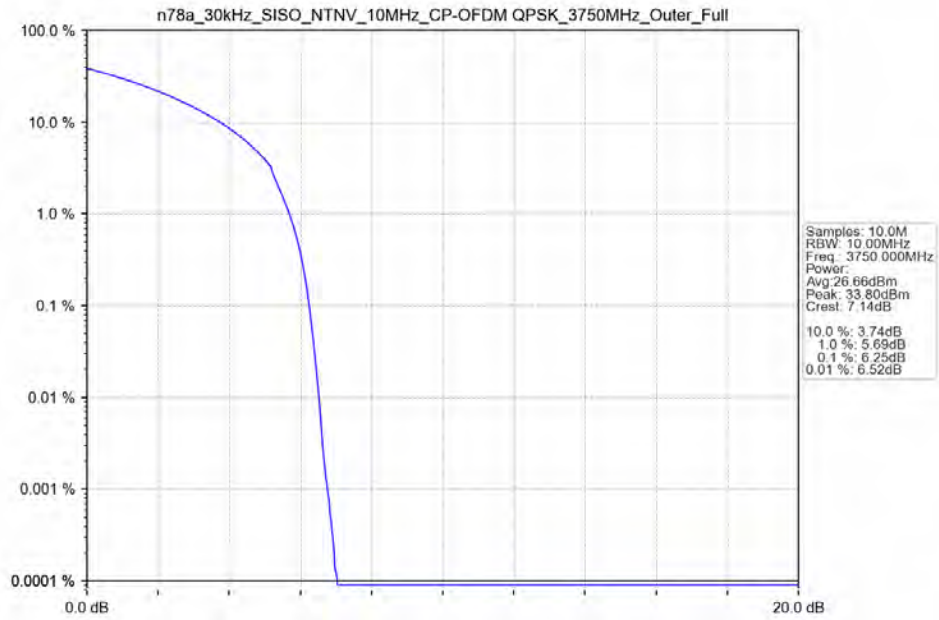
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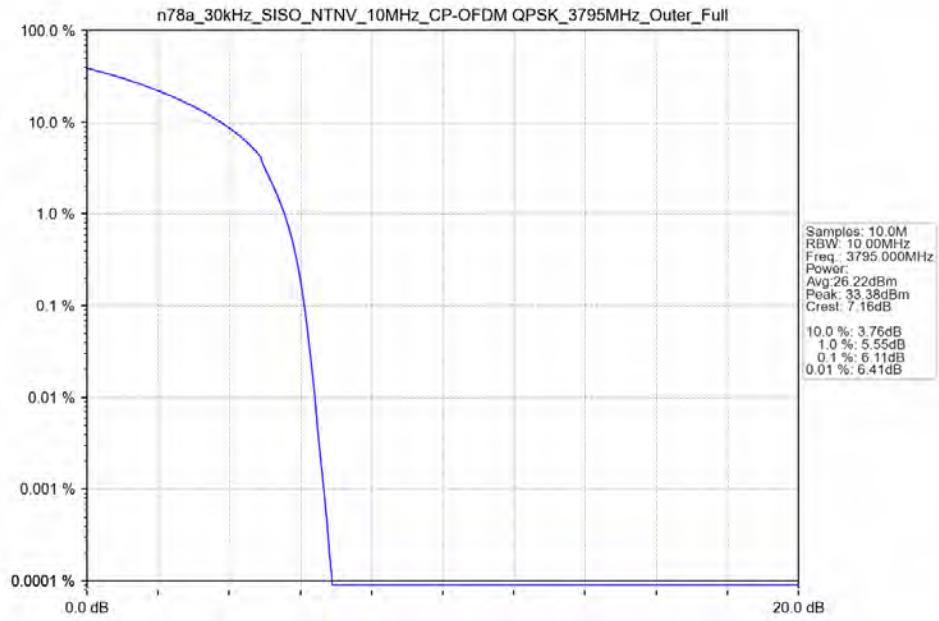
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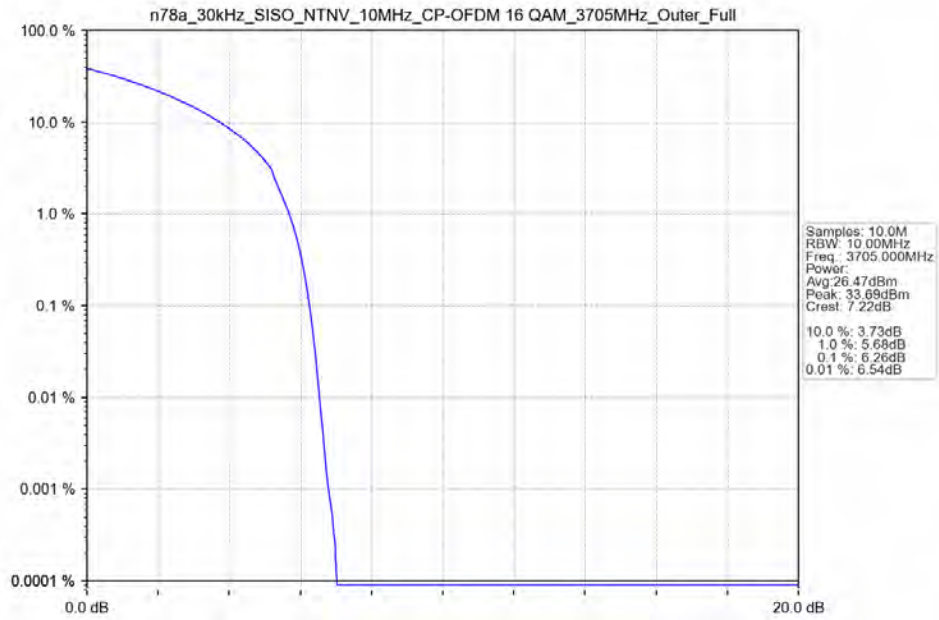
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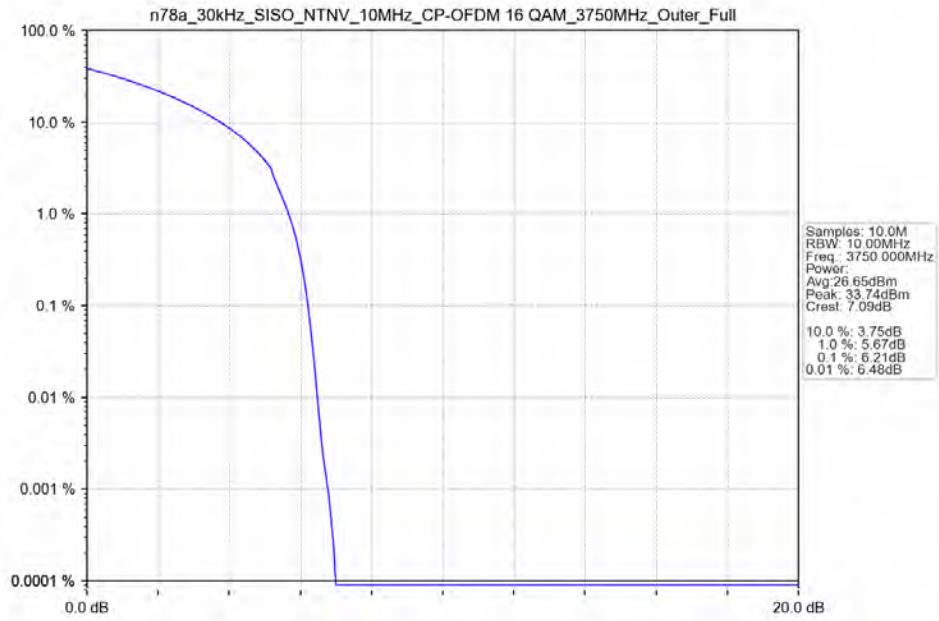
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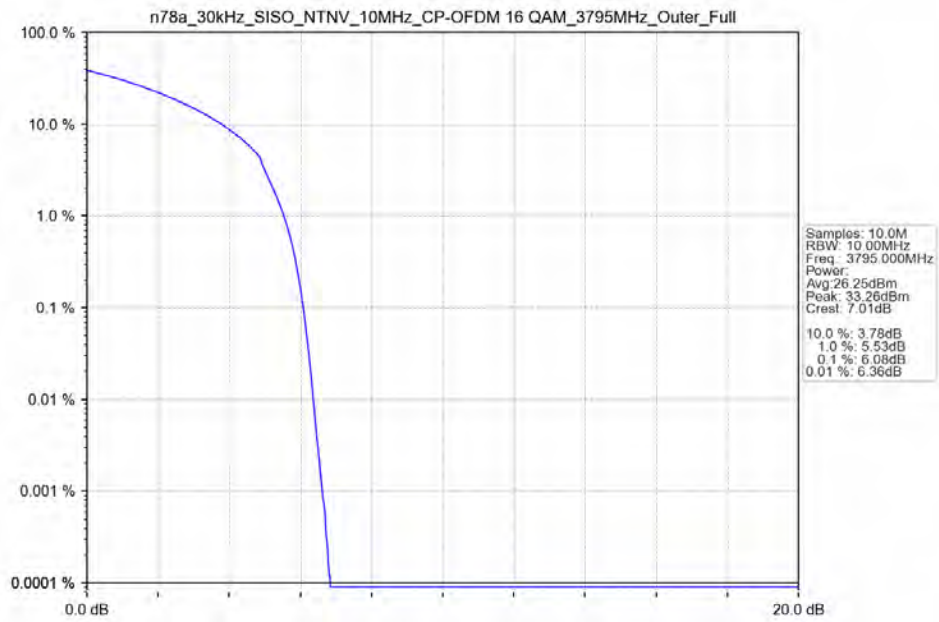
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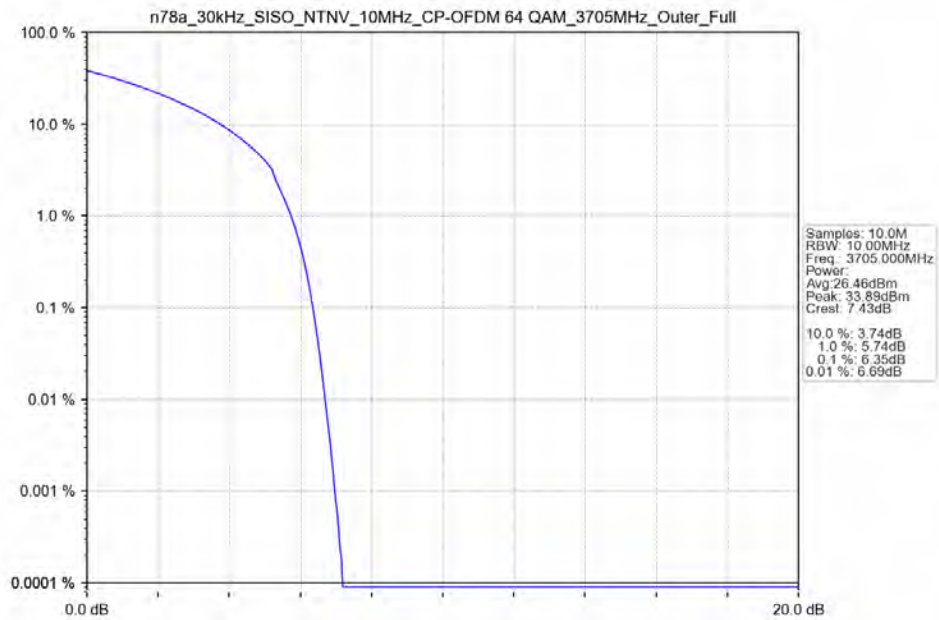
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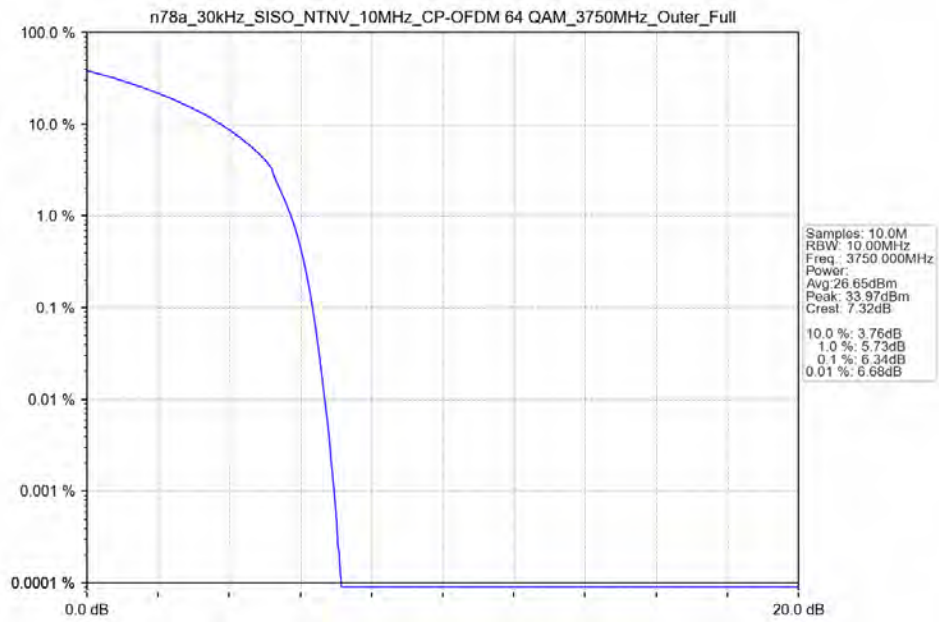
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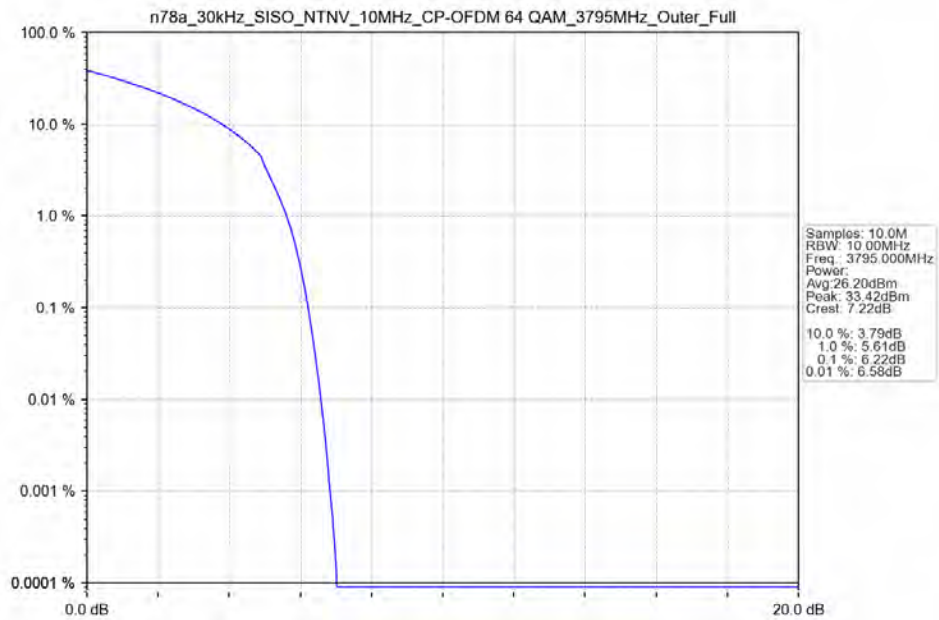
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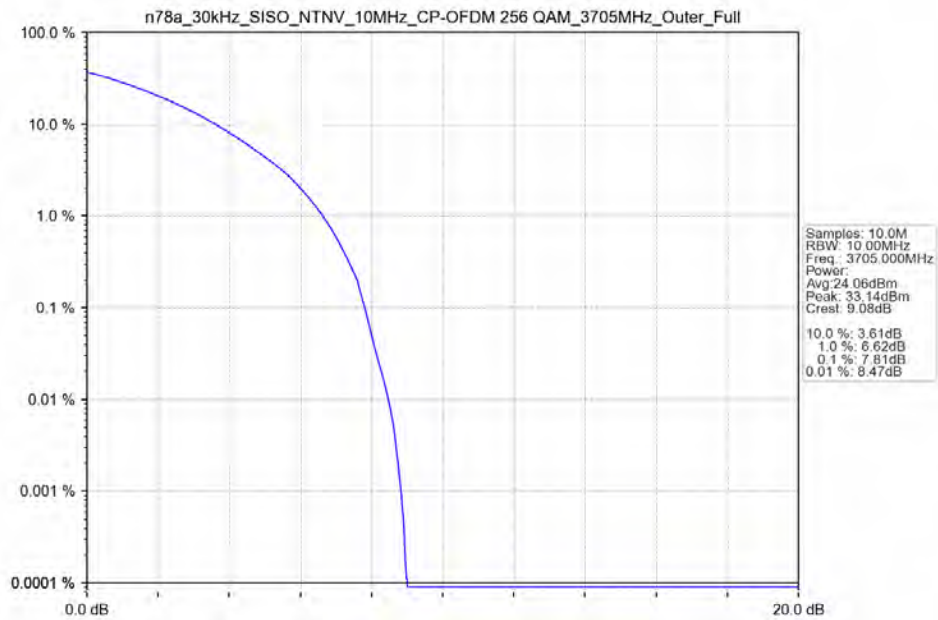
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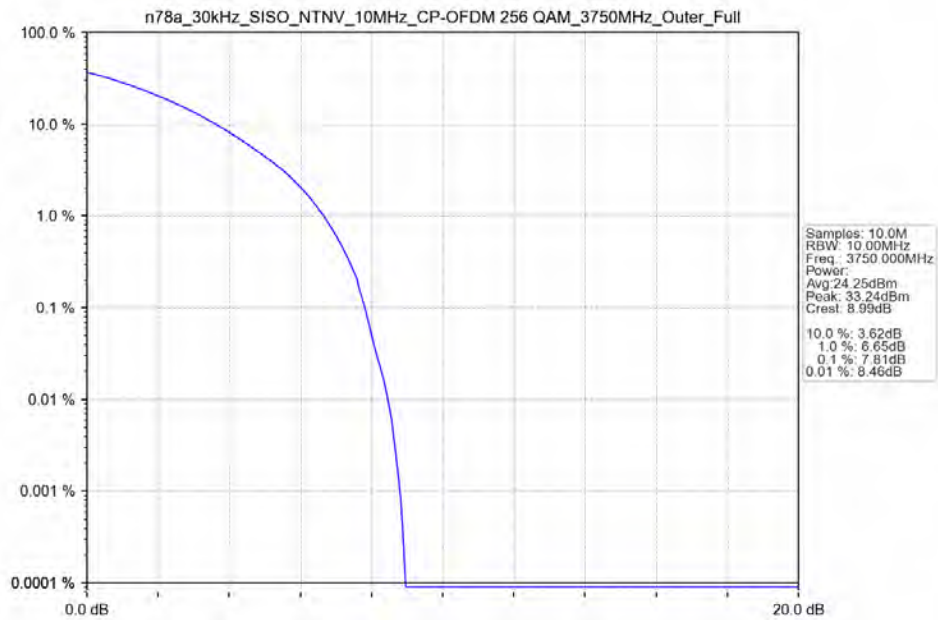
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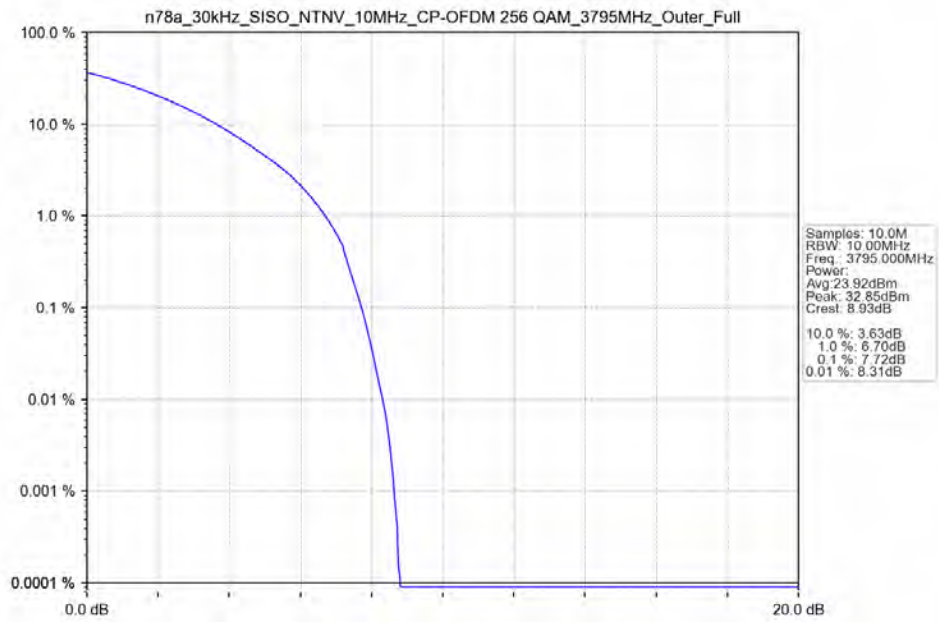
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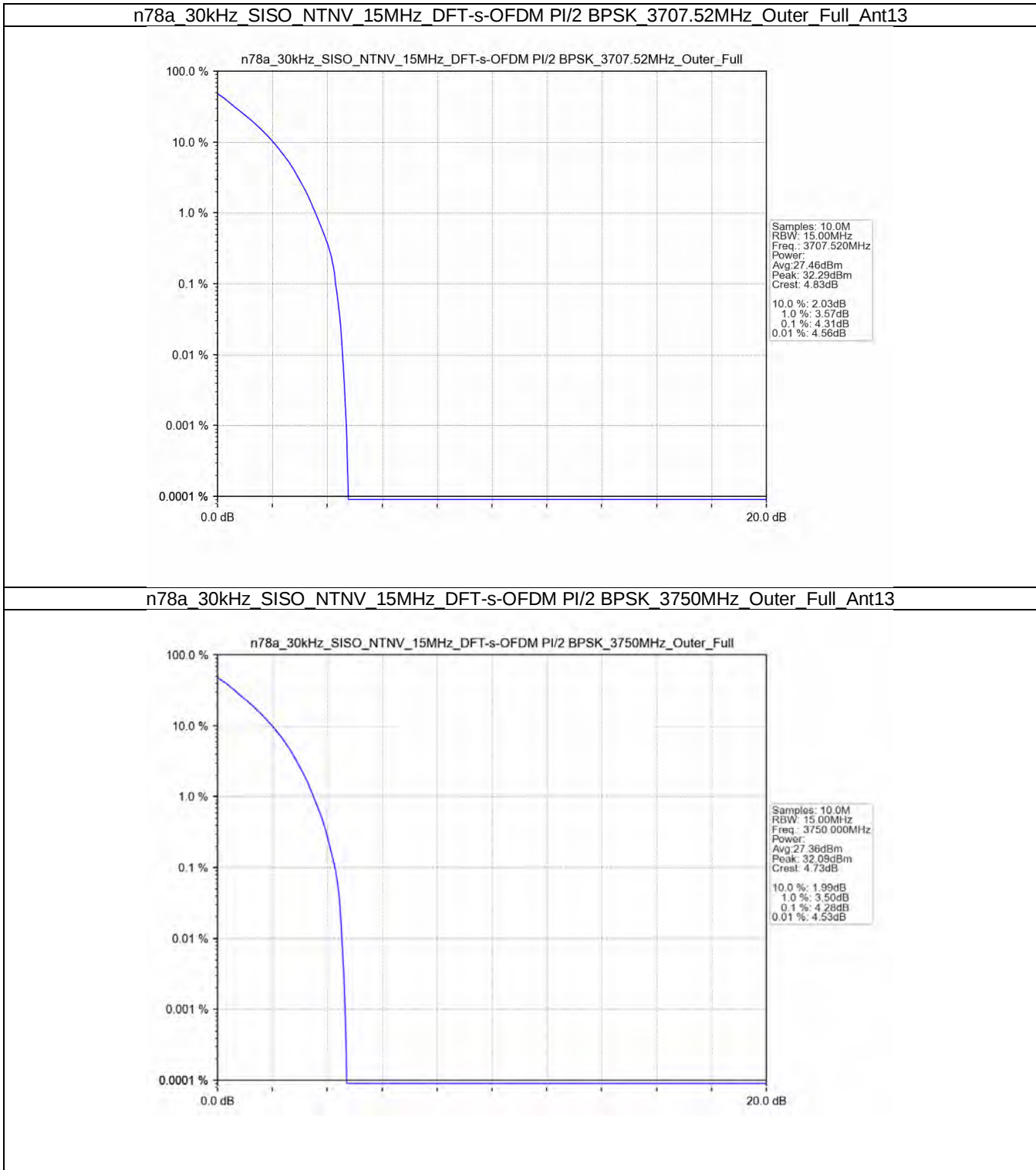
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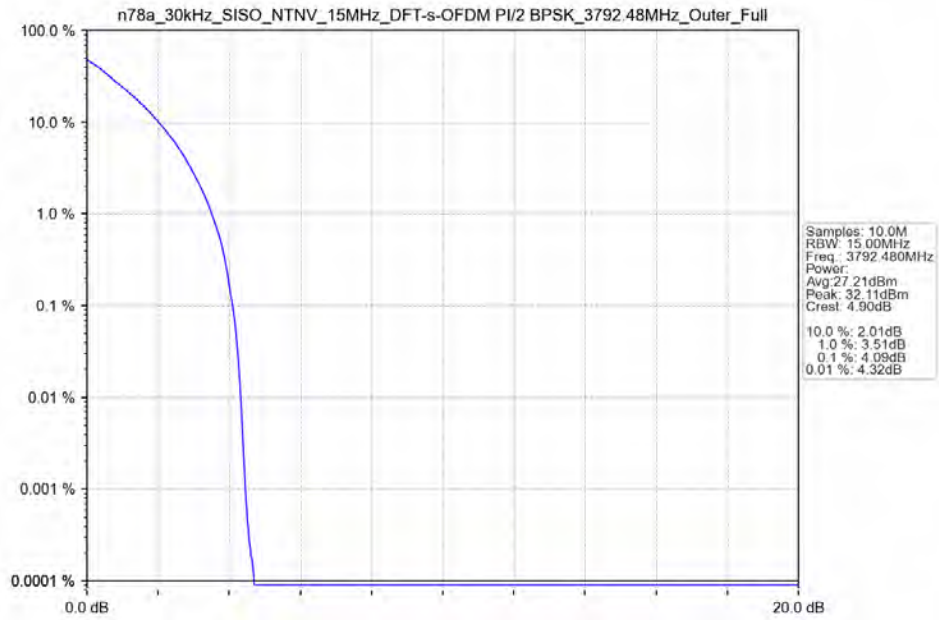
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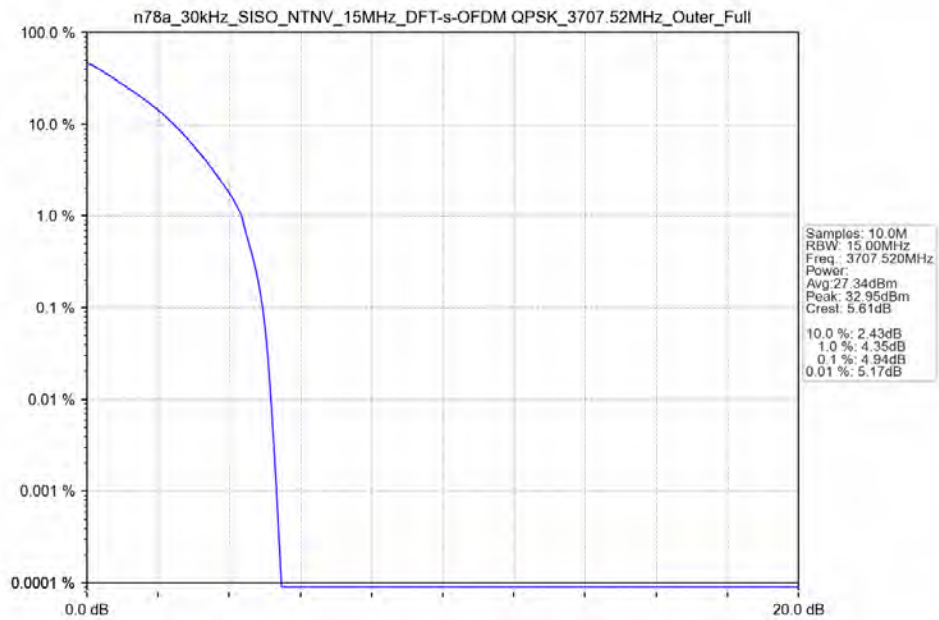
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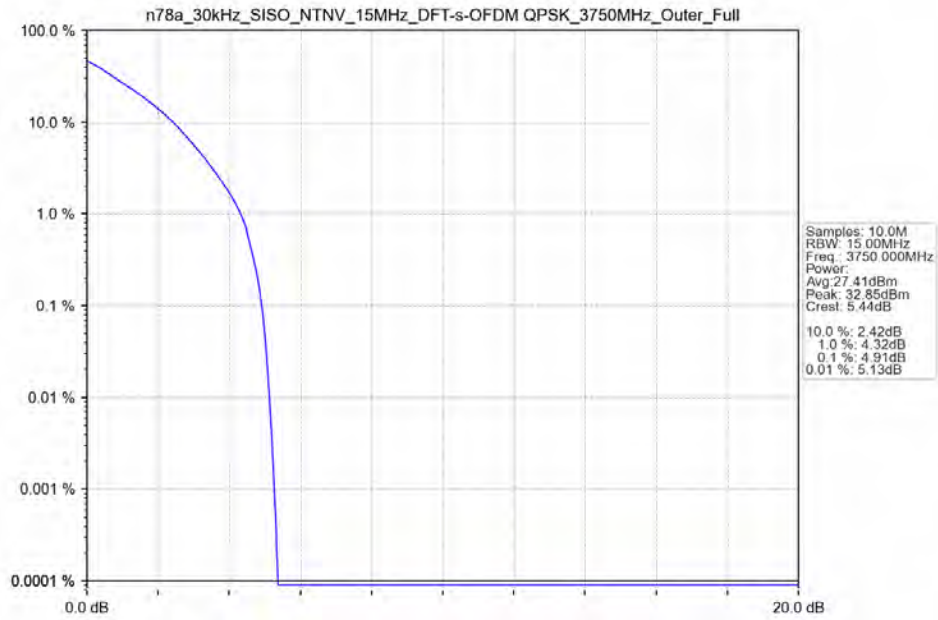
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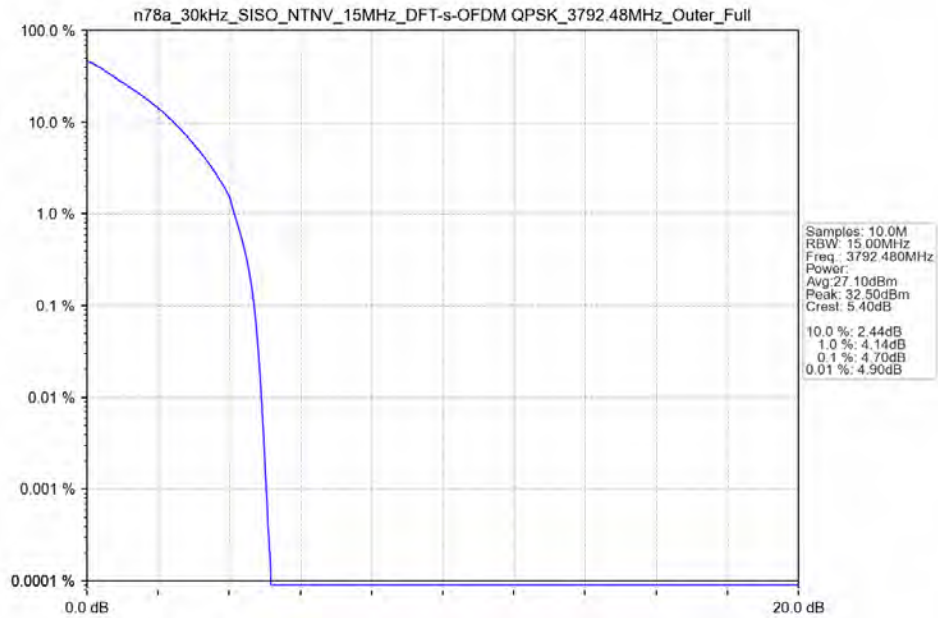
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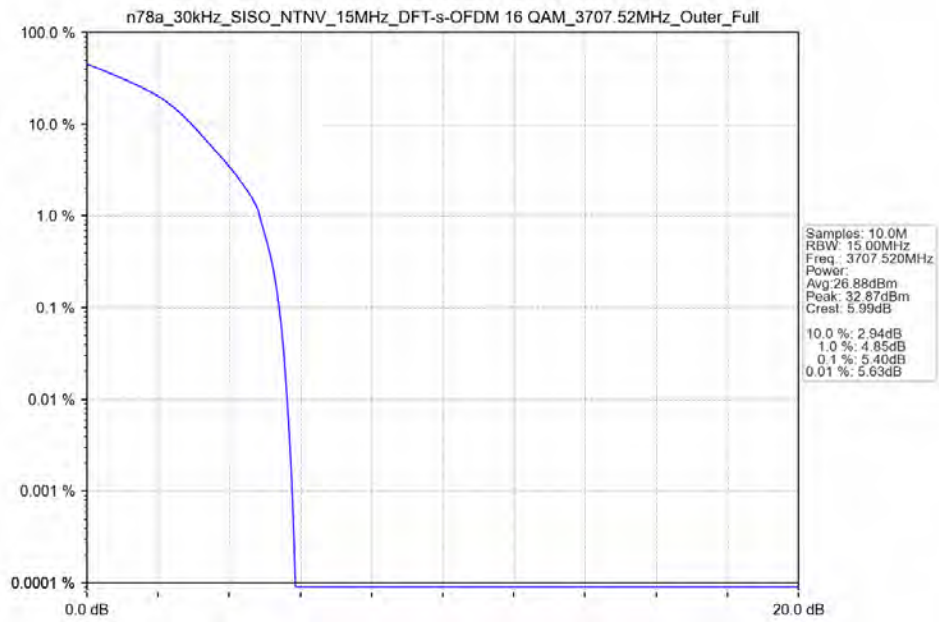
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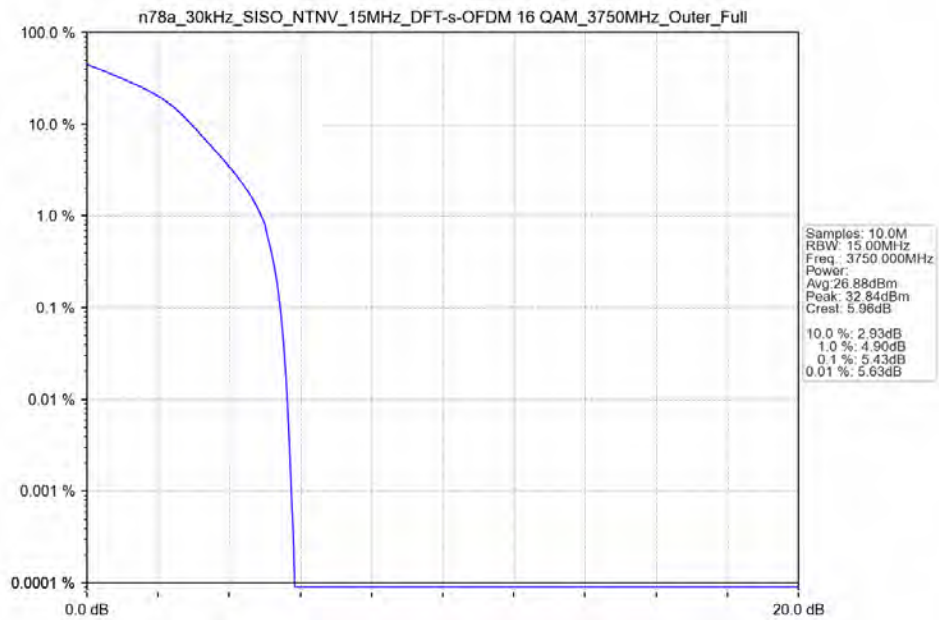
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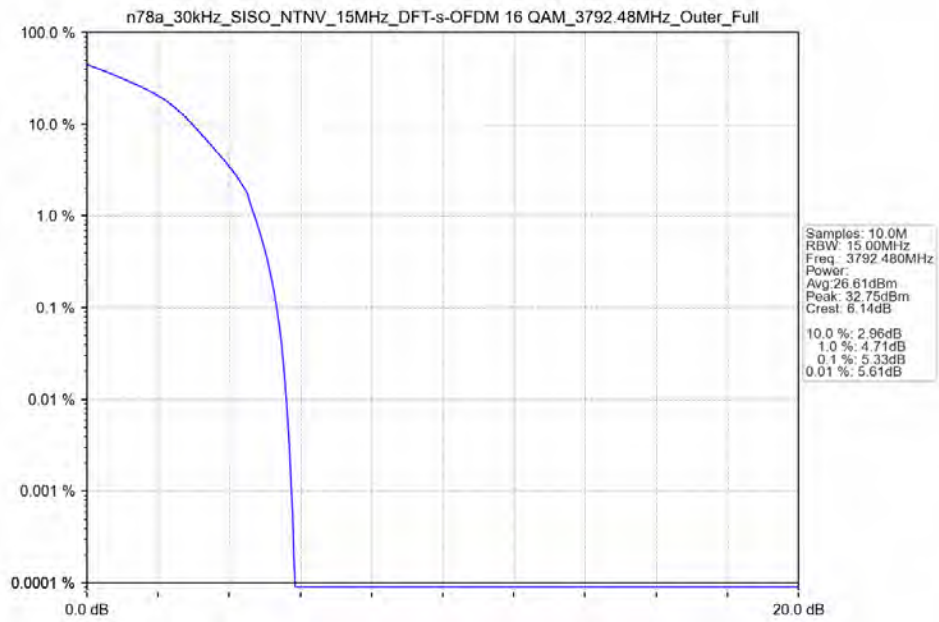
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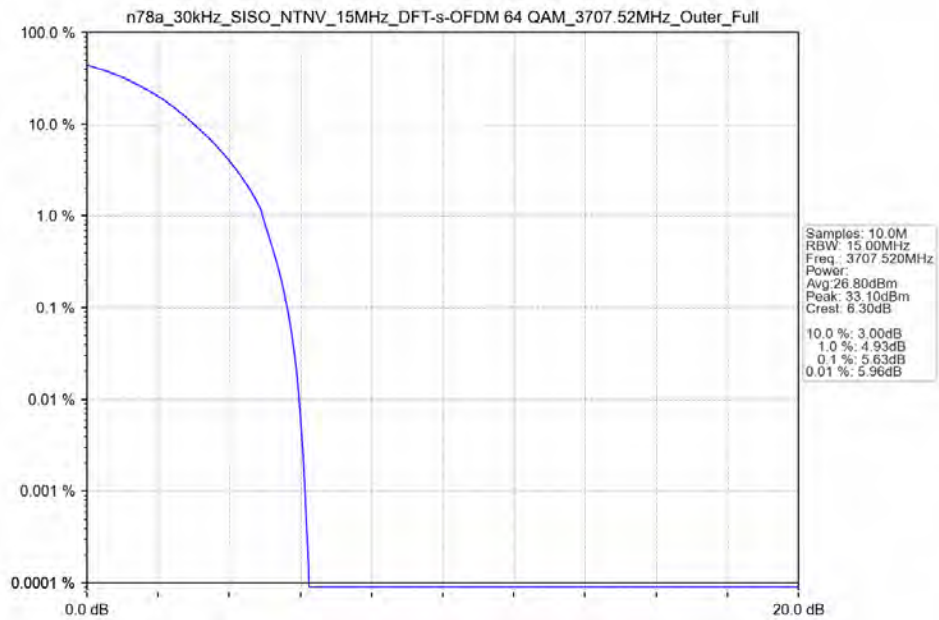
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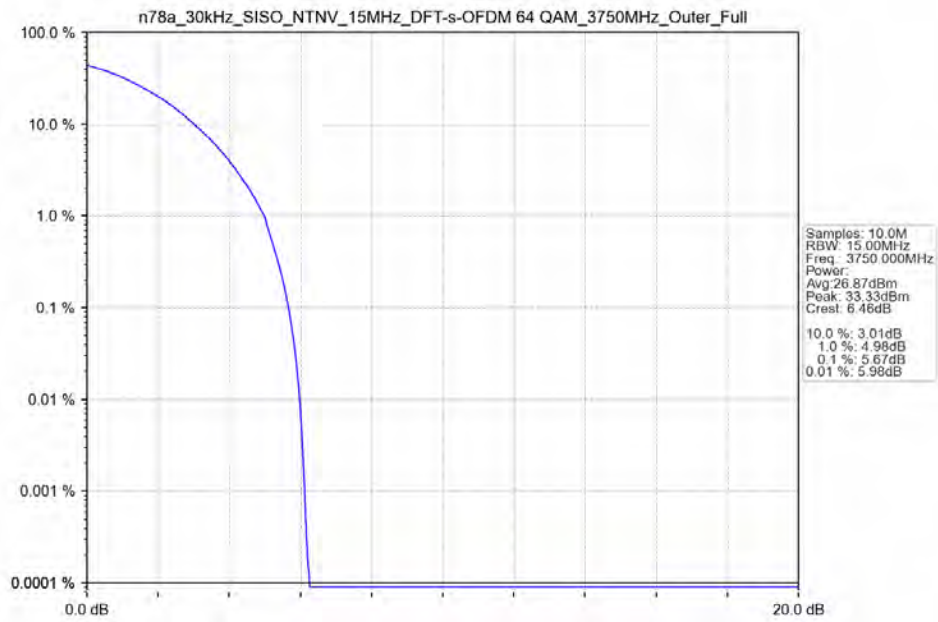
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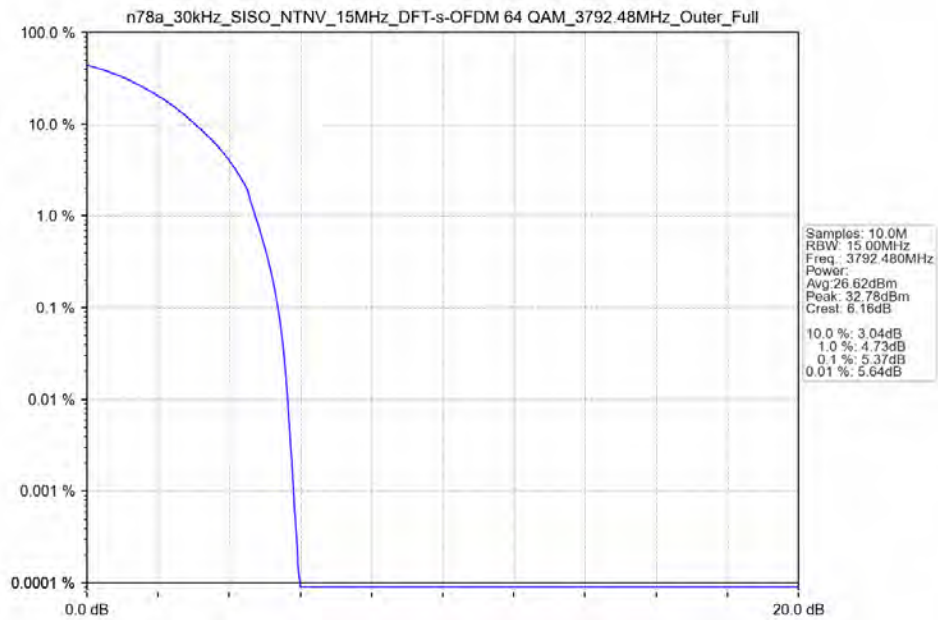
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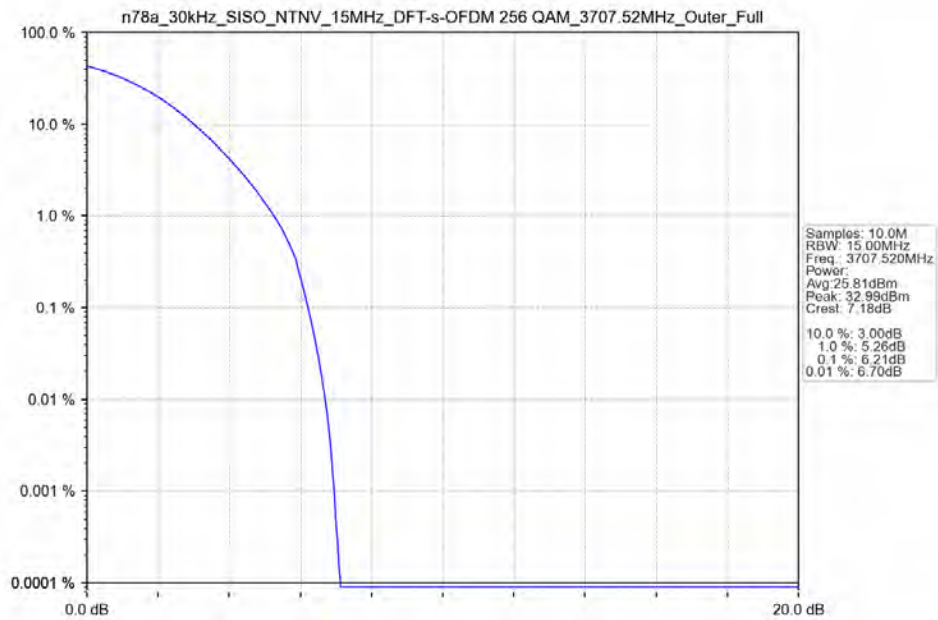
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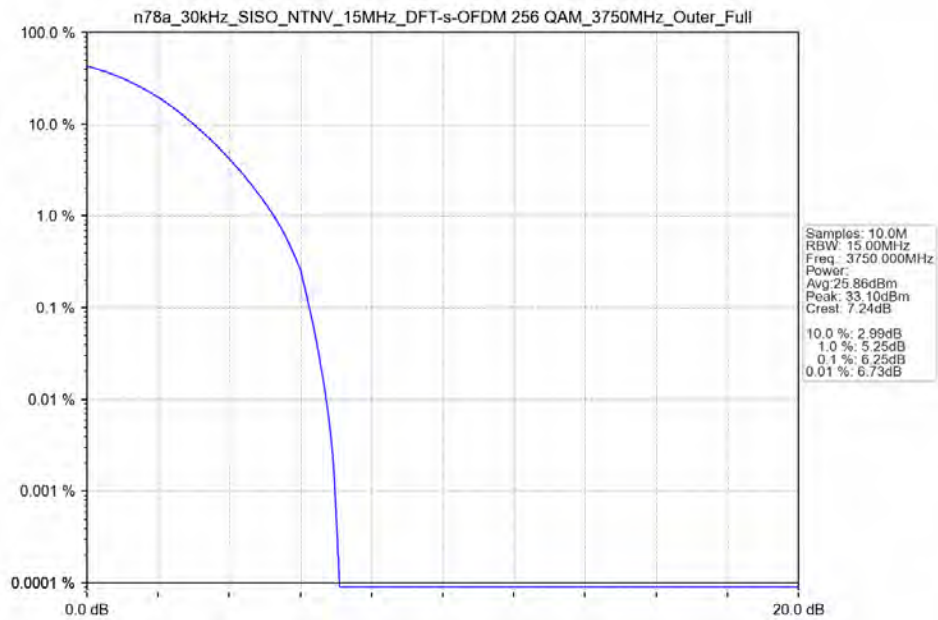
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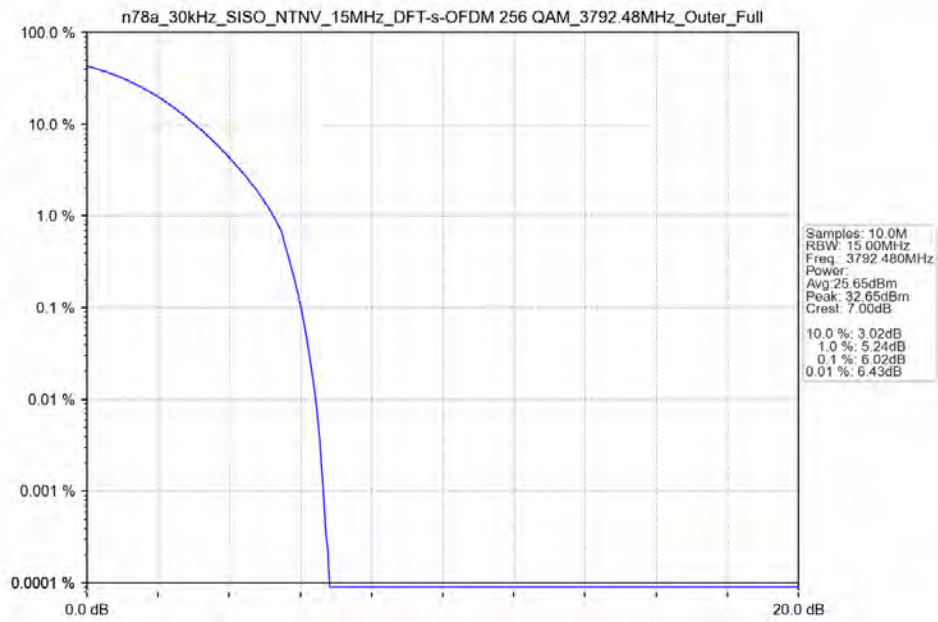
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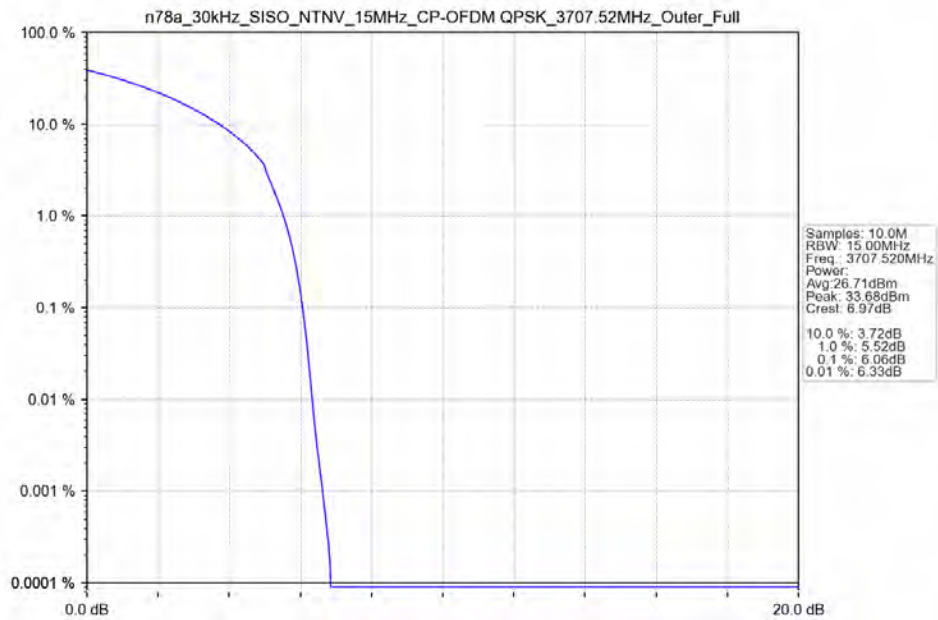
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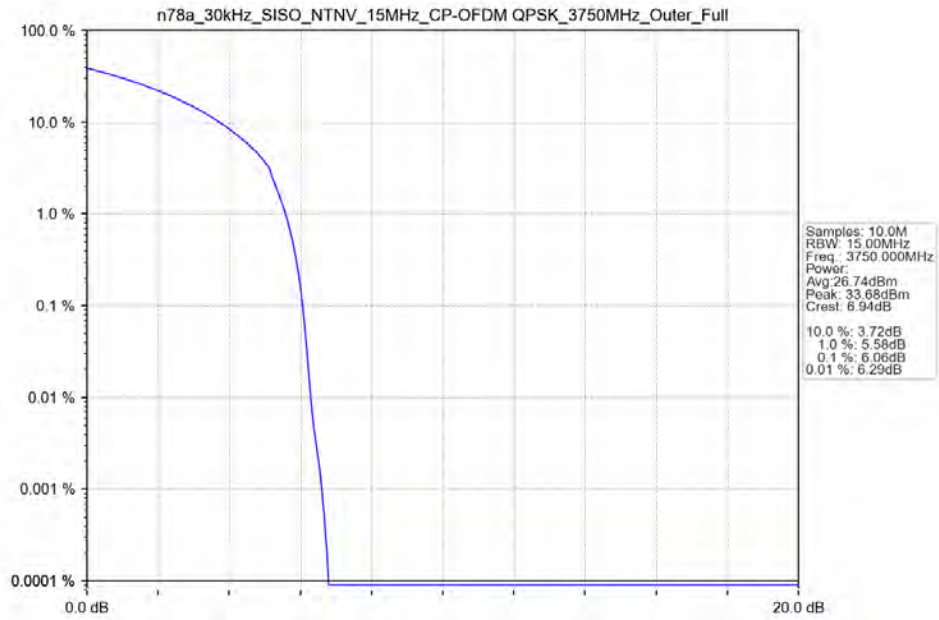
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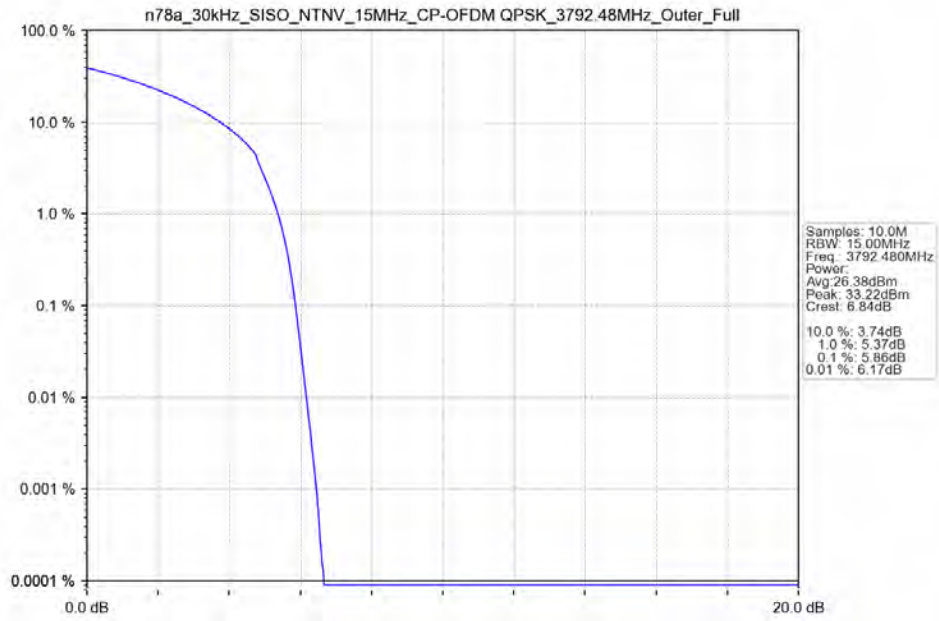
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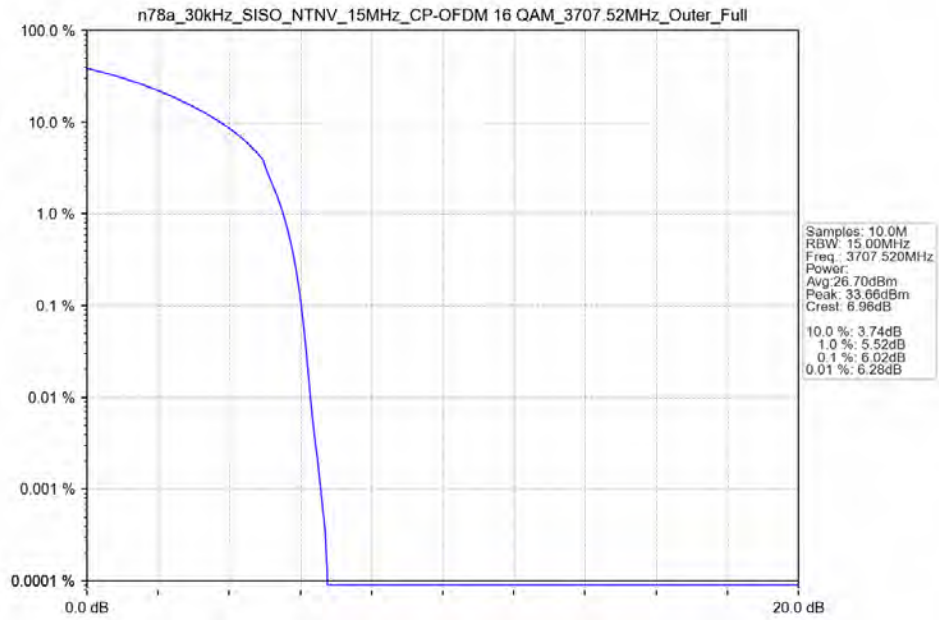
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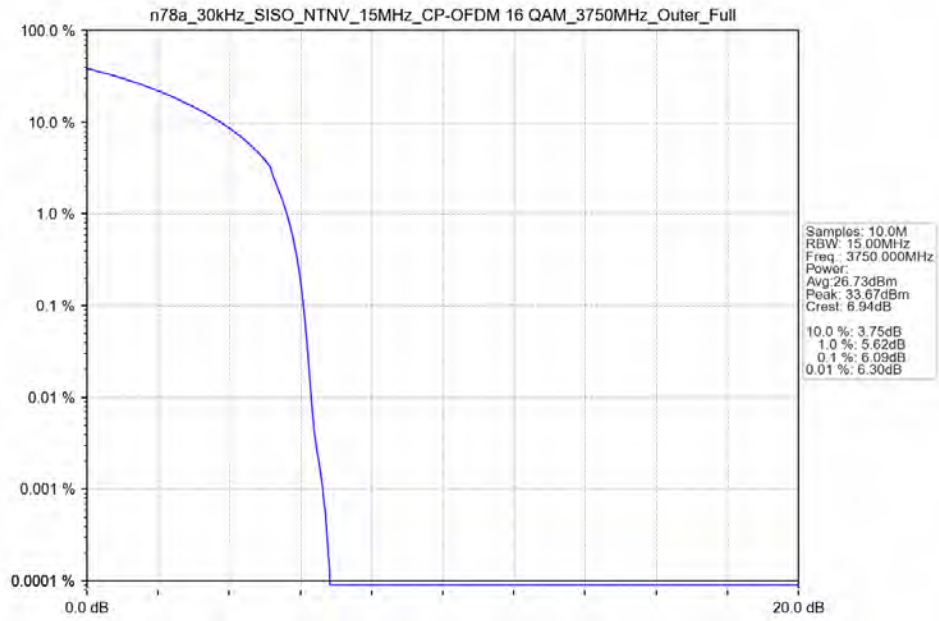
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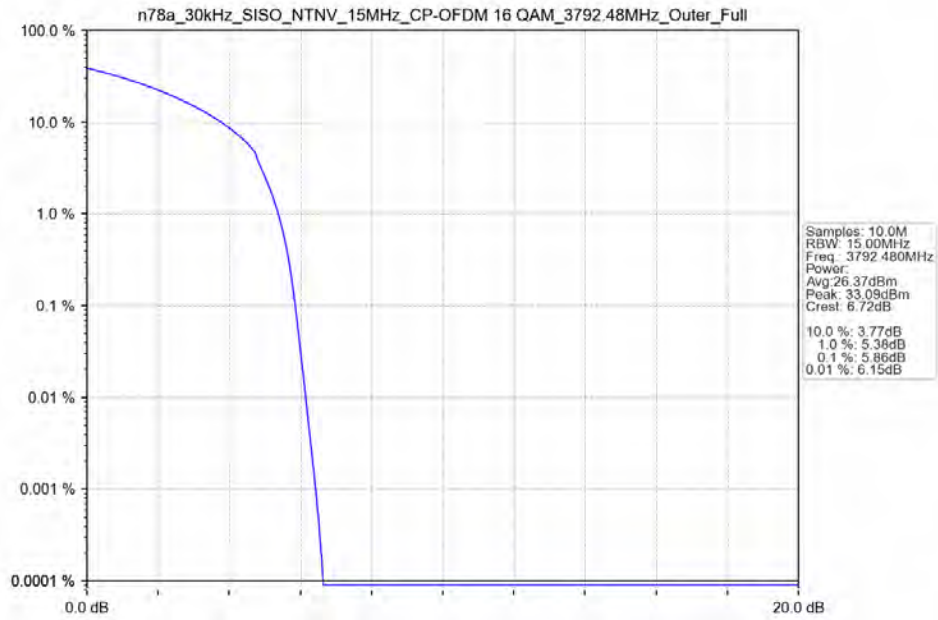
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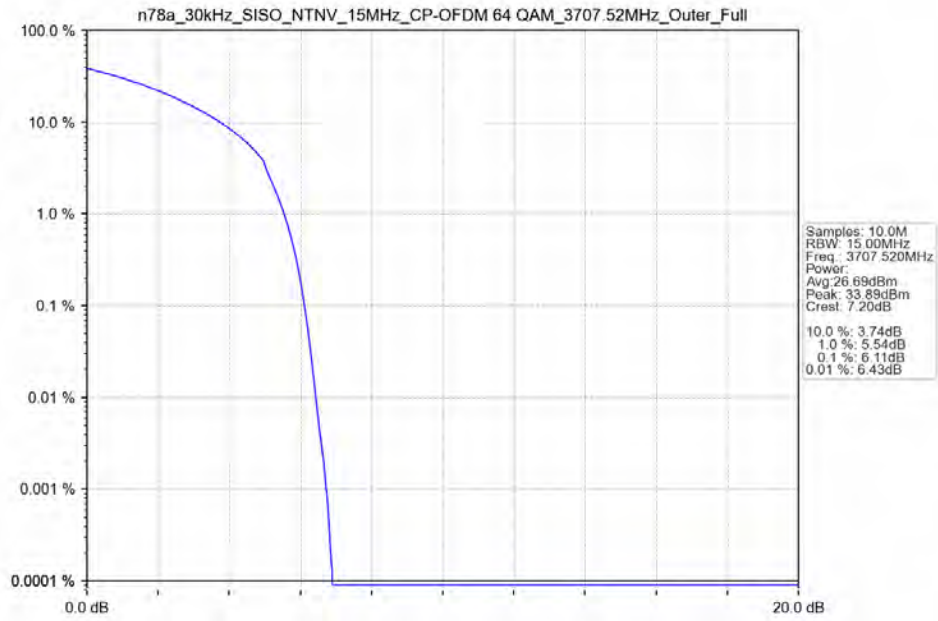
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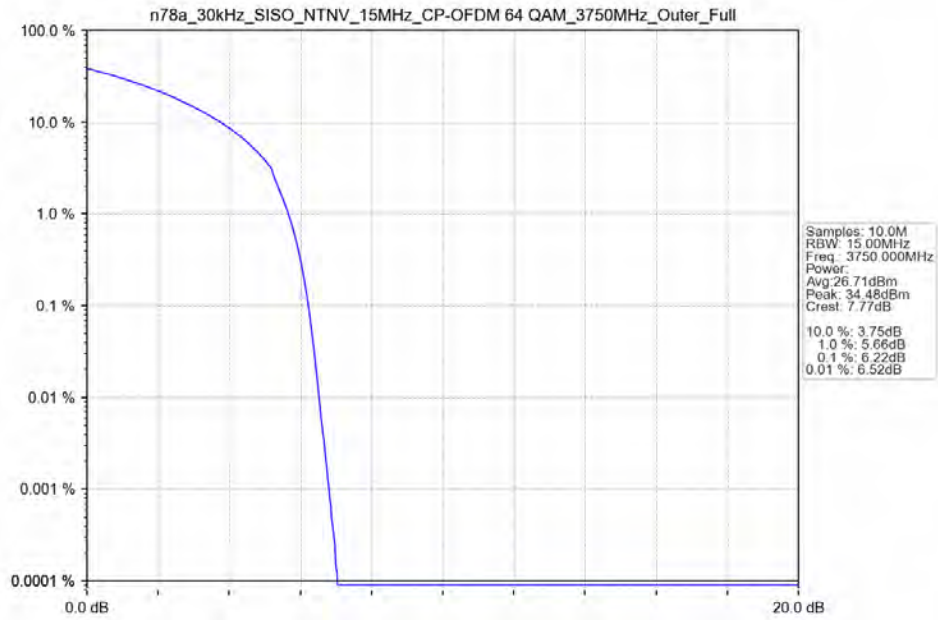
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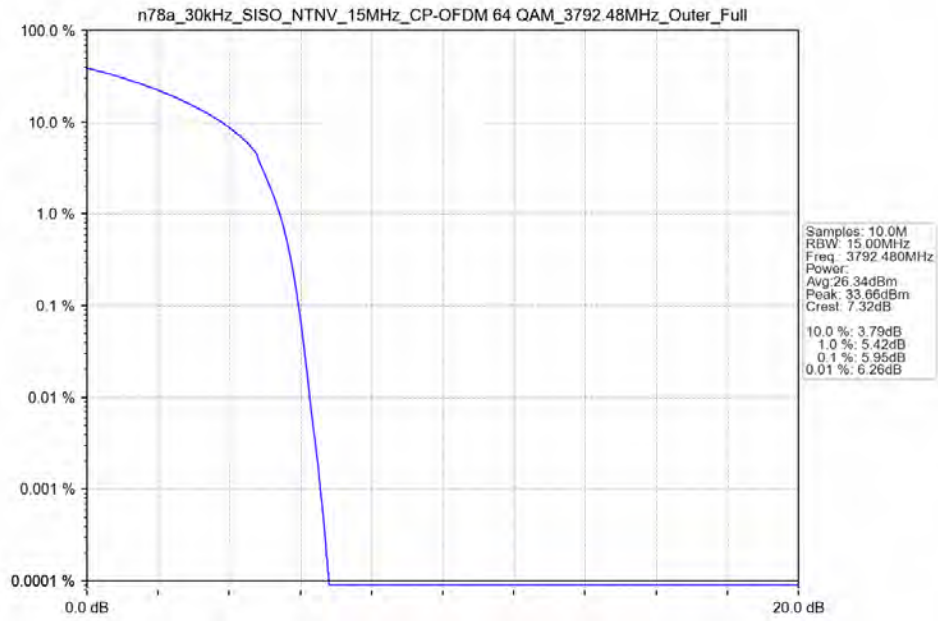
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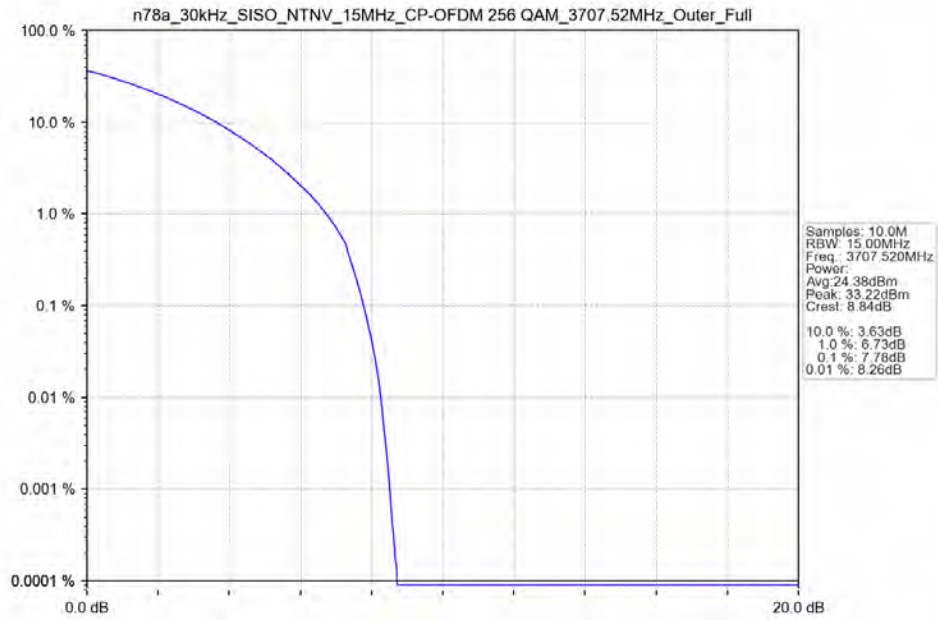
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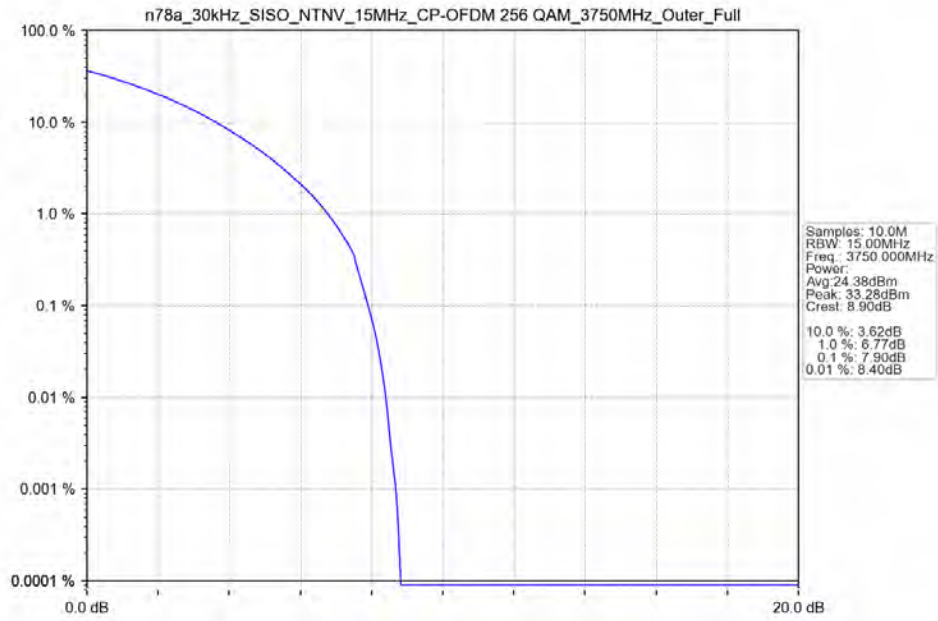
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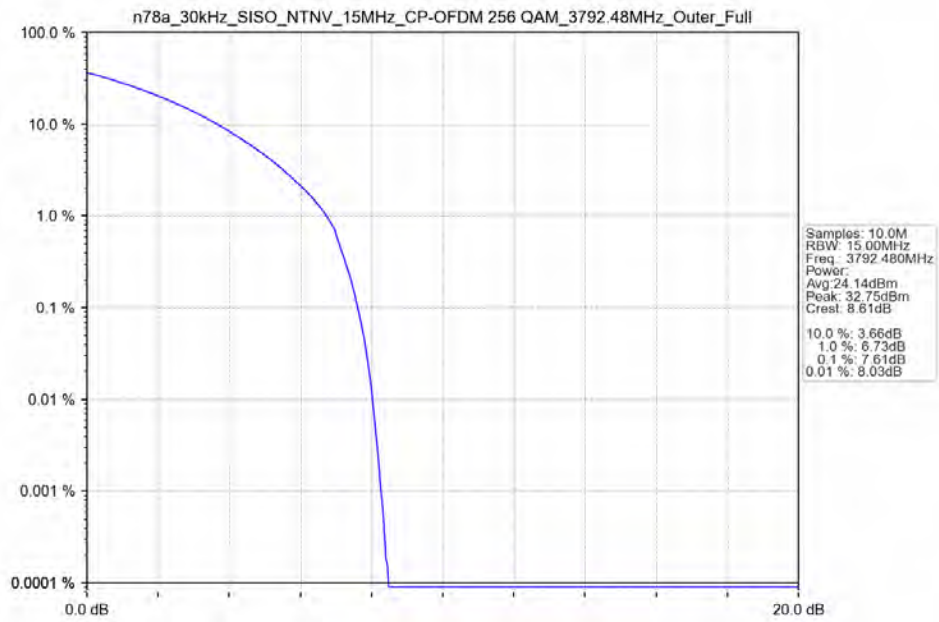
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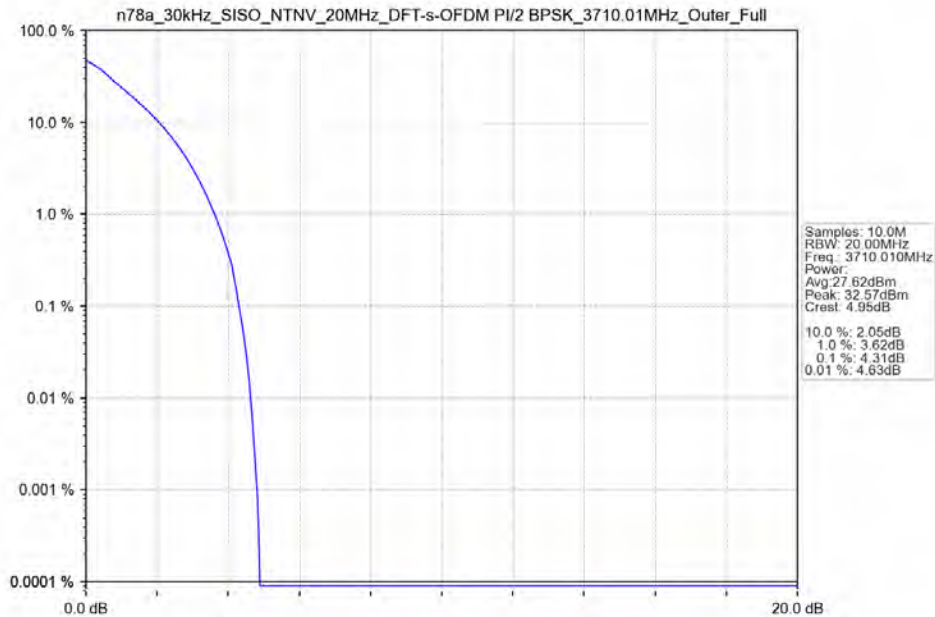


n78a 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 3792.48MHz Outer Full Ant13

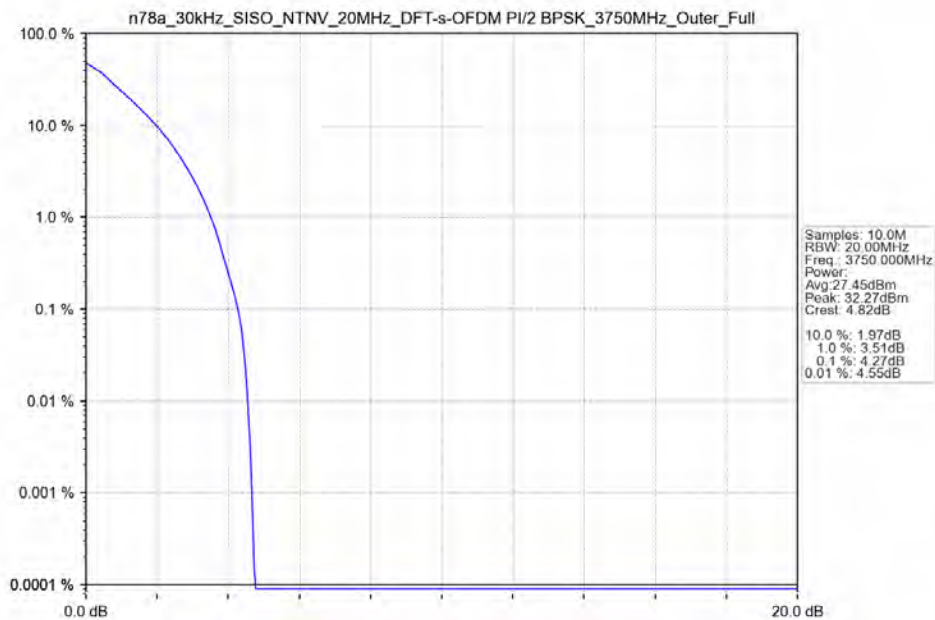


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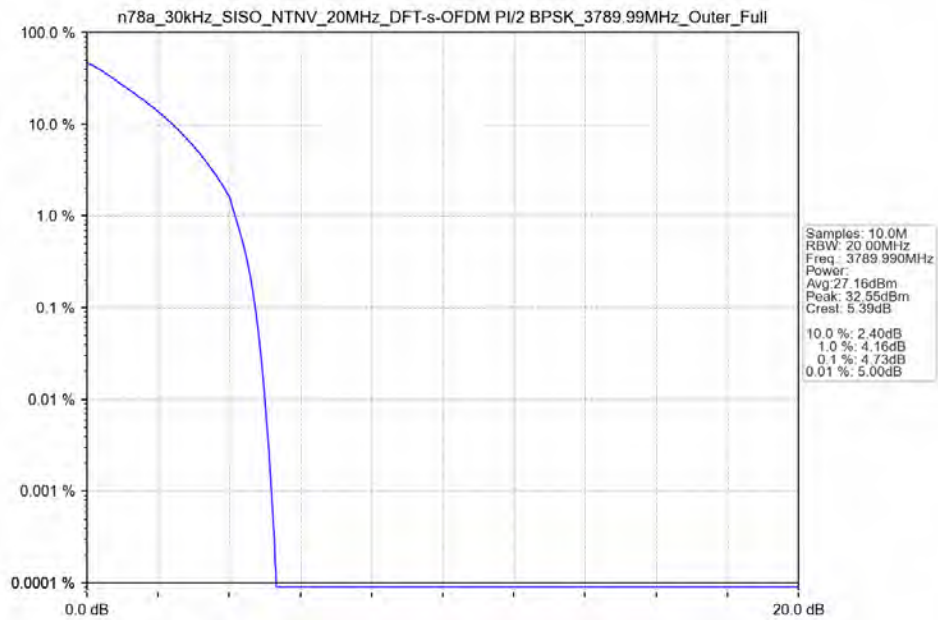
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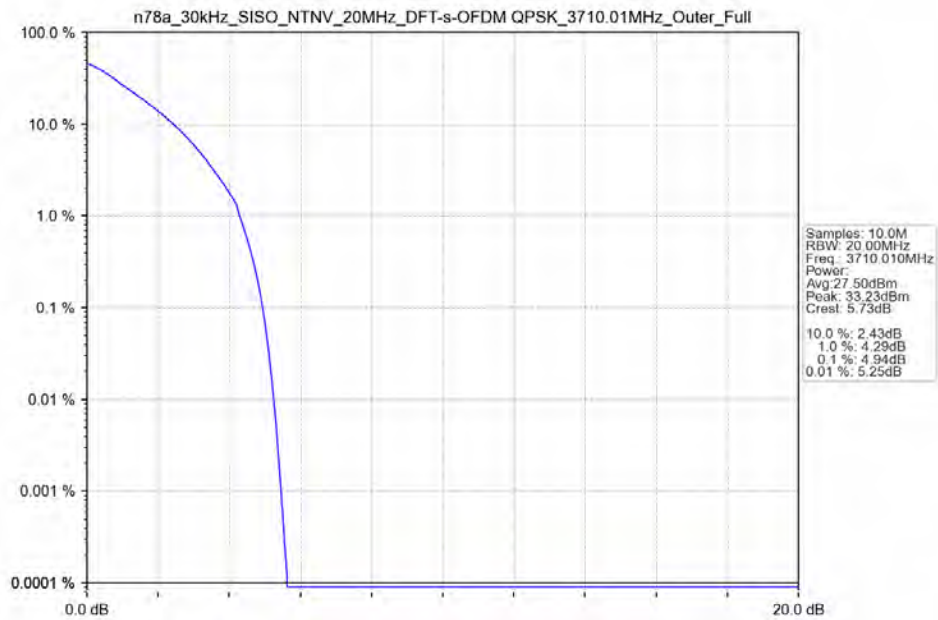
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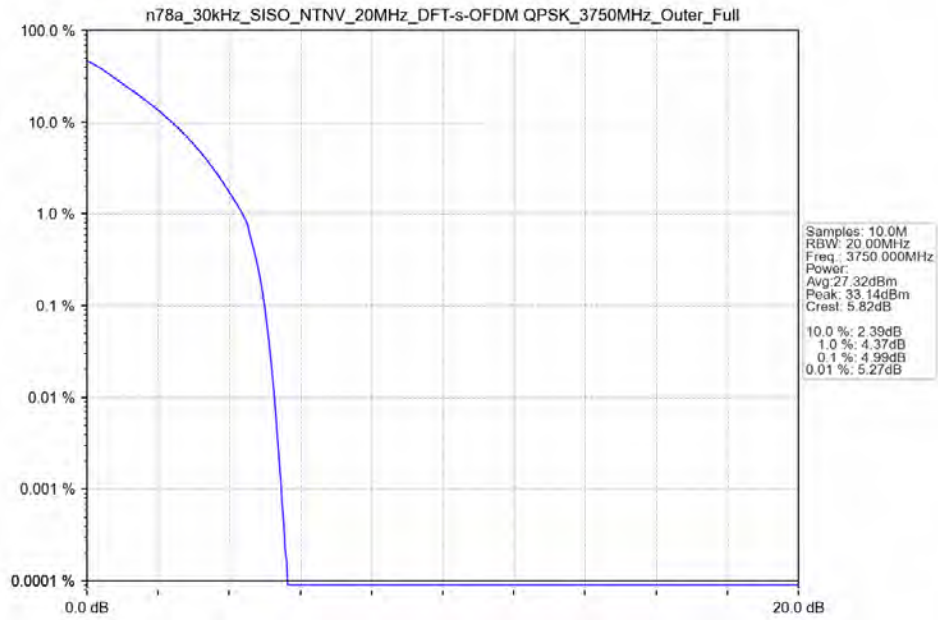
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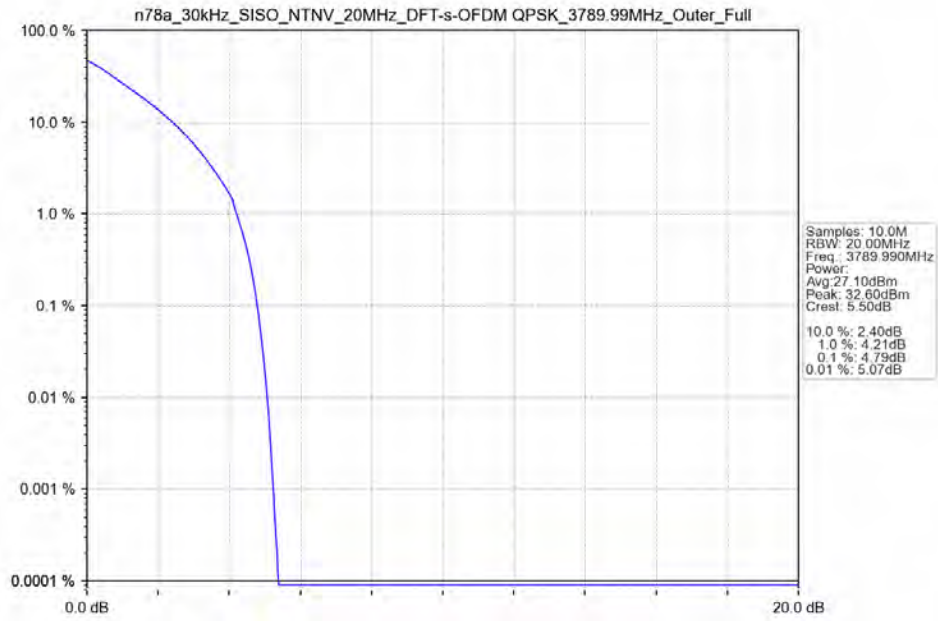
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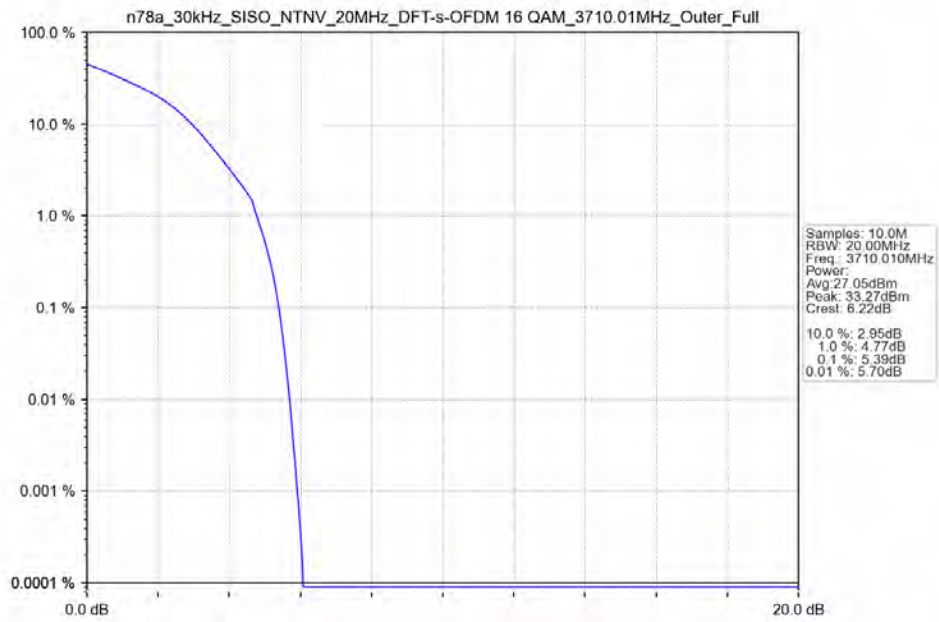
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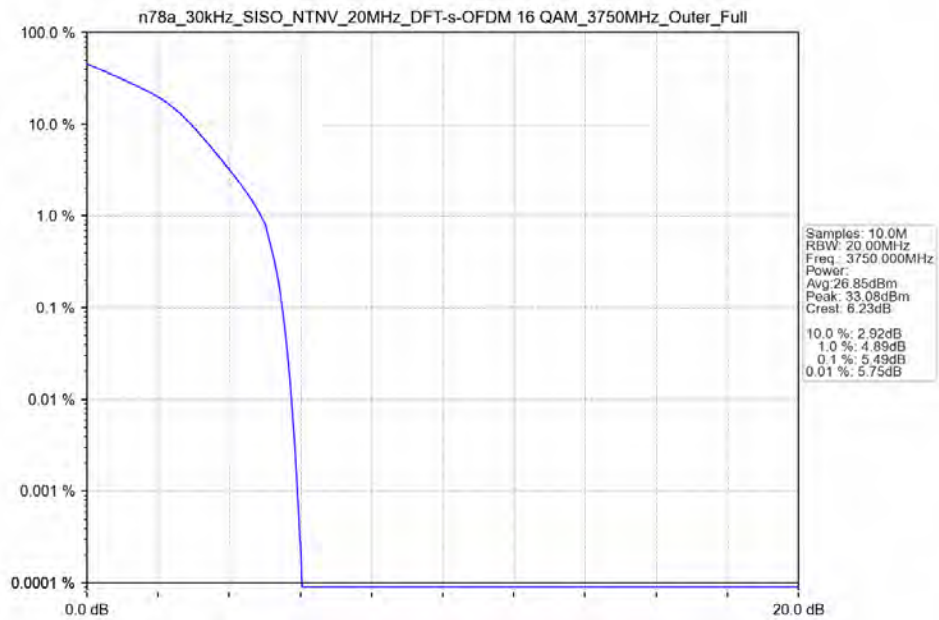
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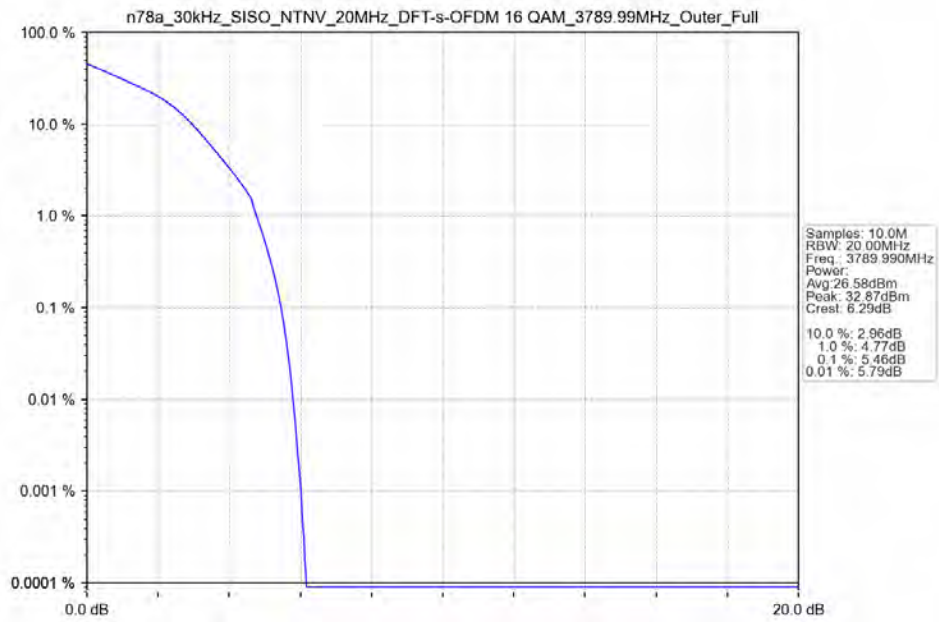
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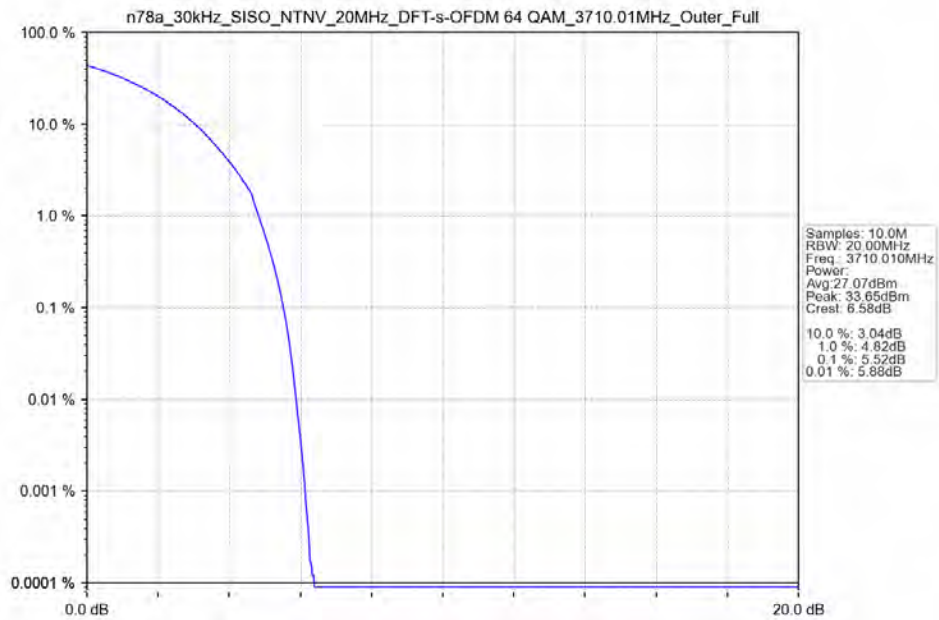
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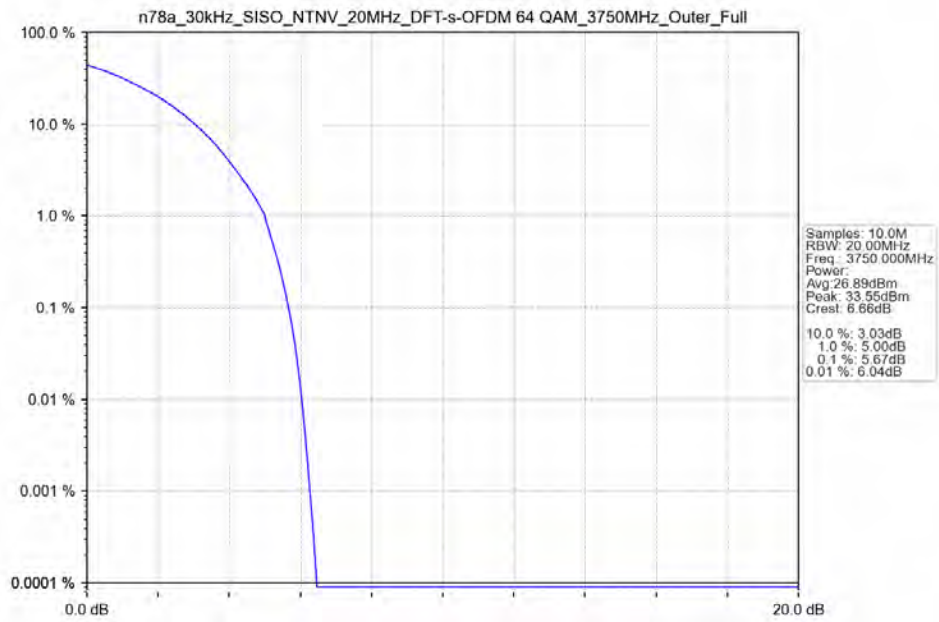
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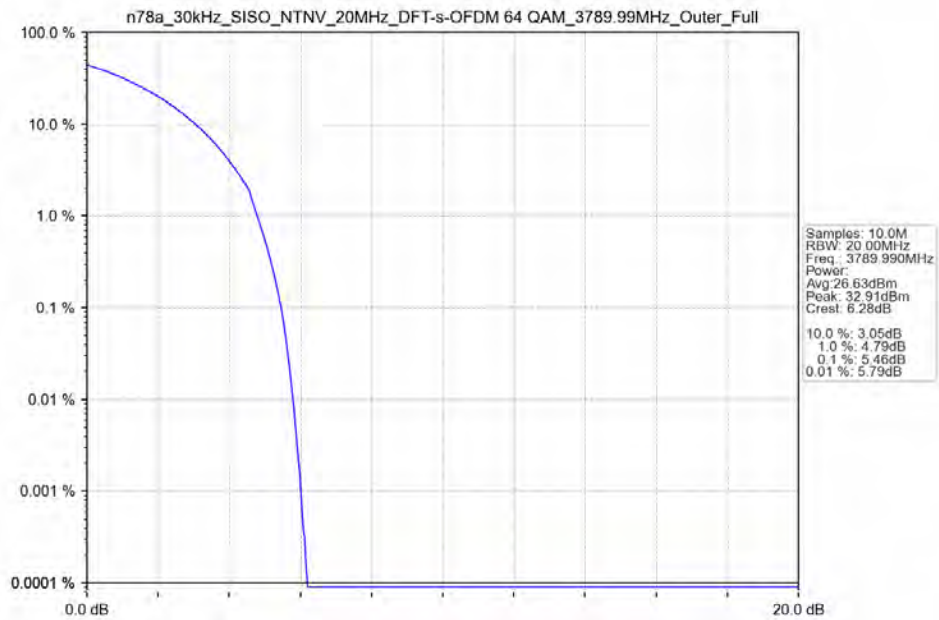
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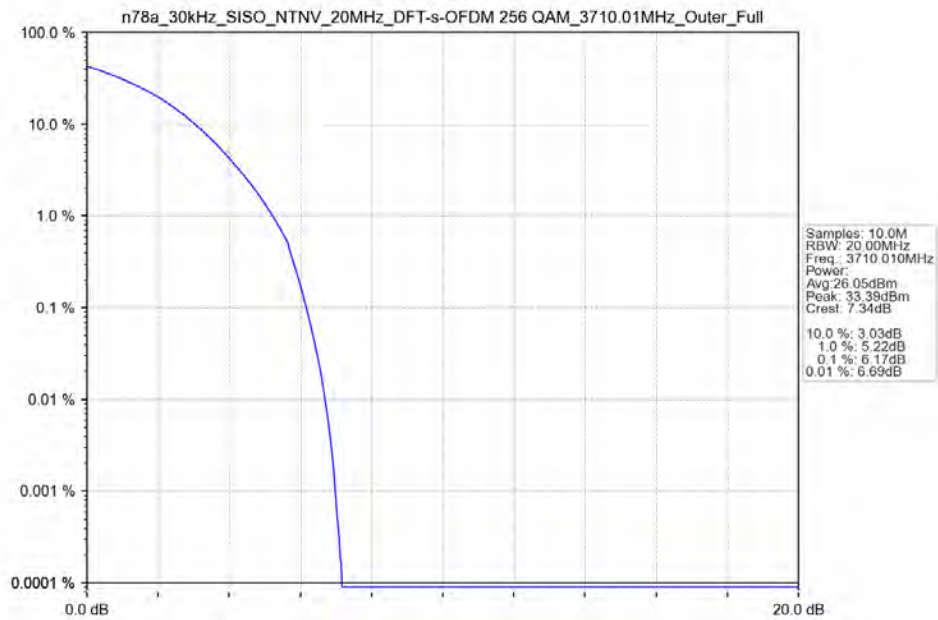
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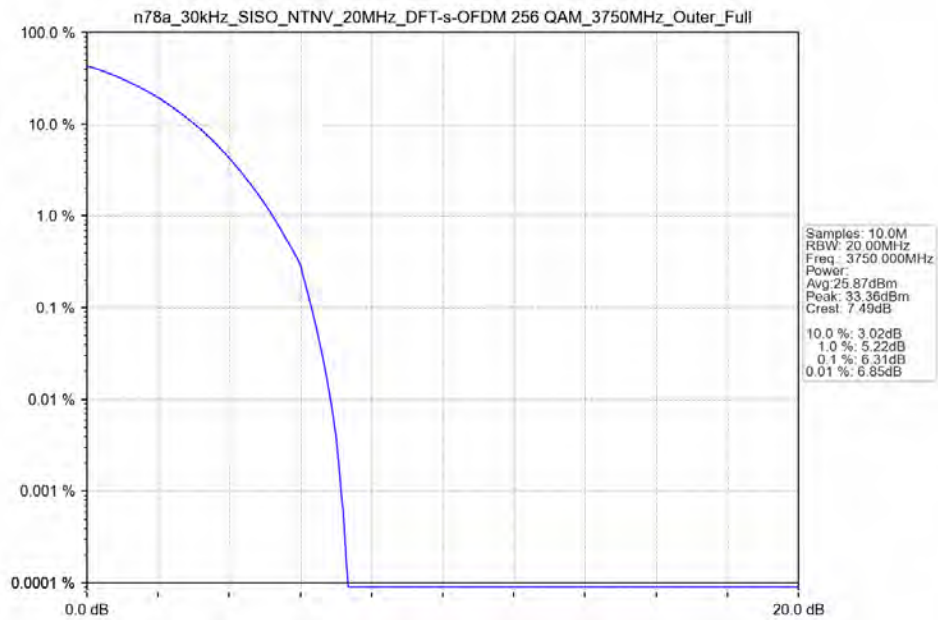
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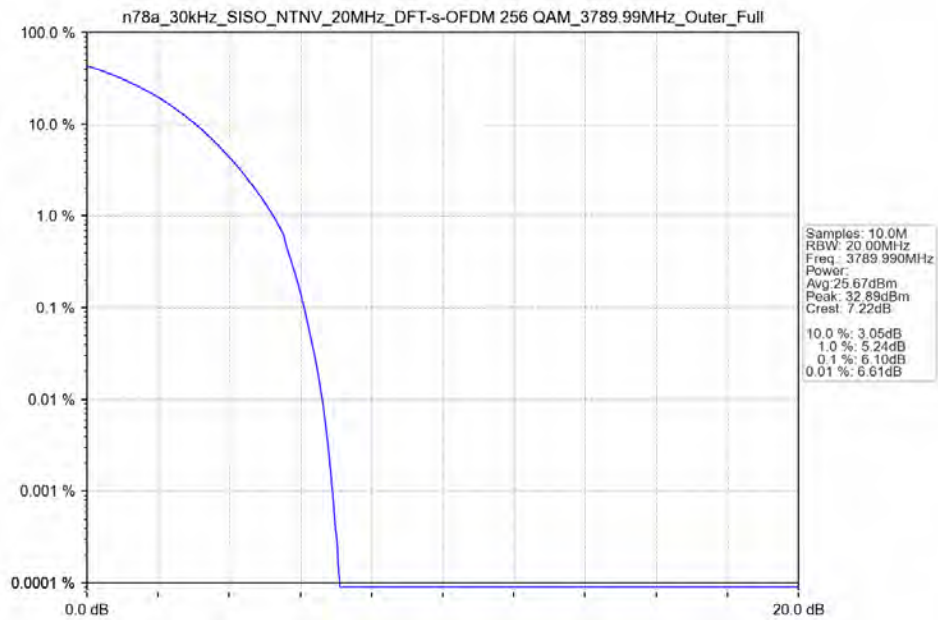
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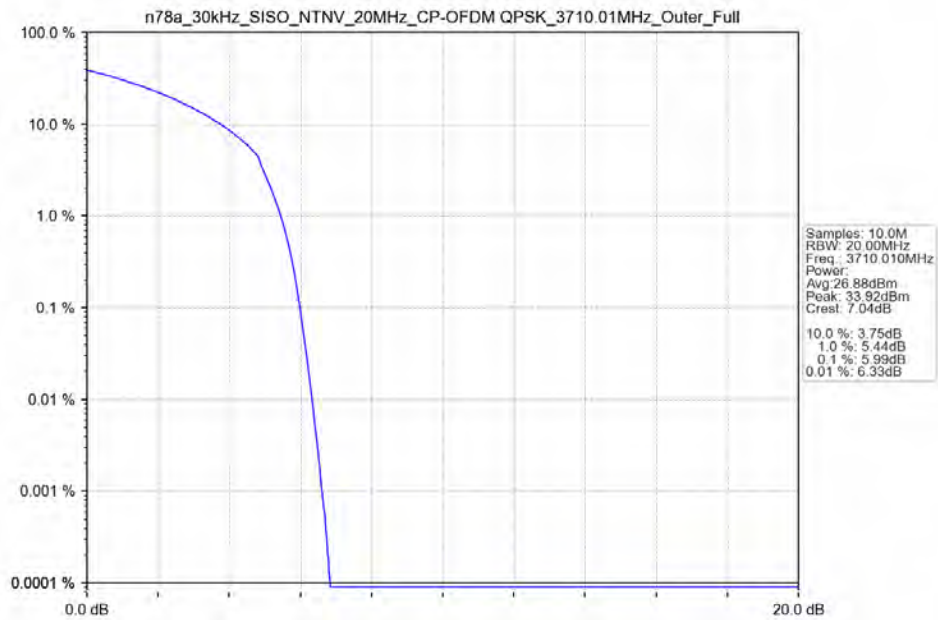
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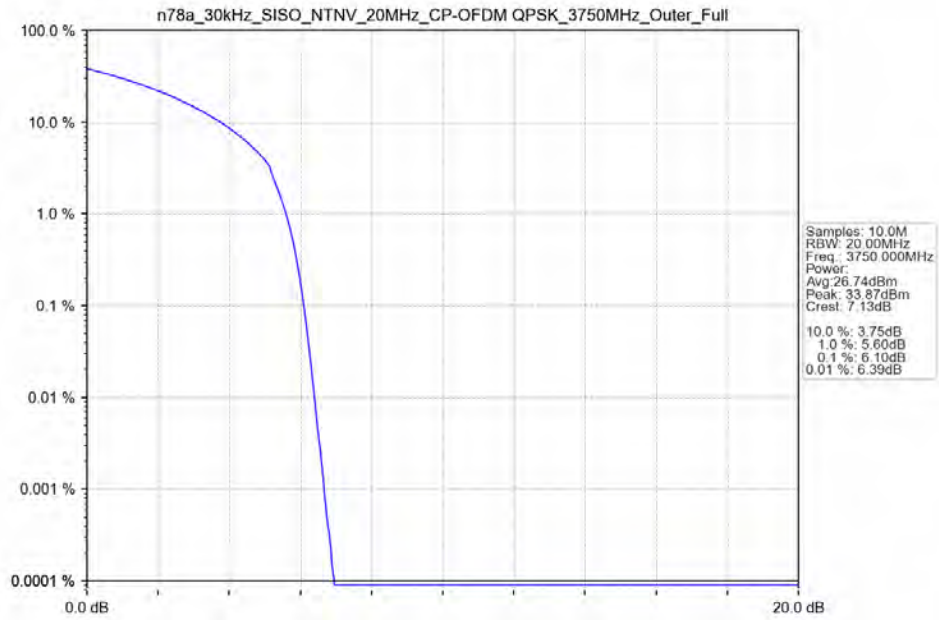
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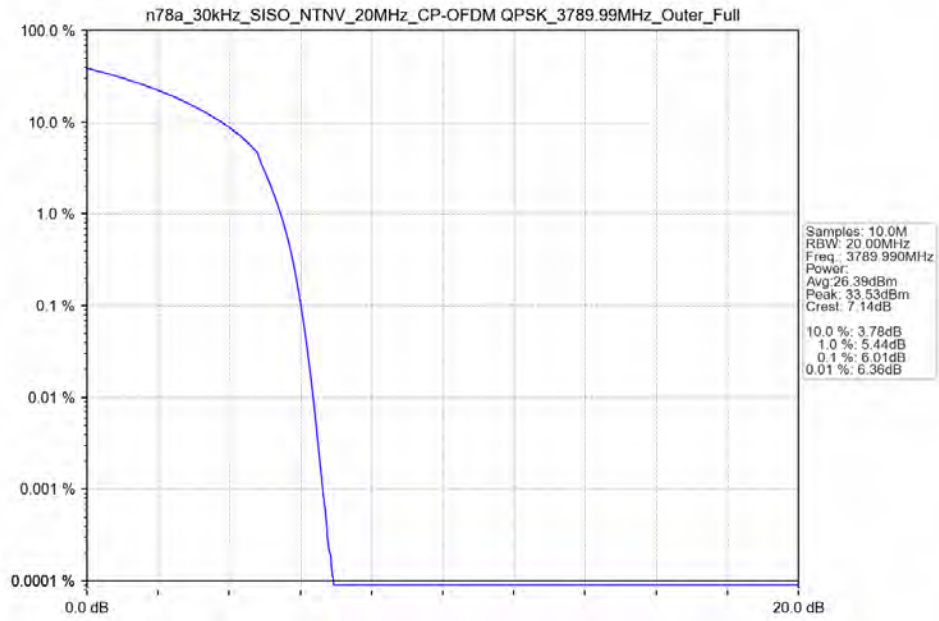
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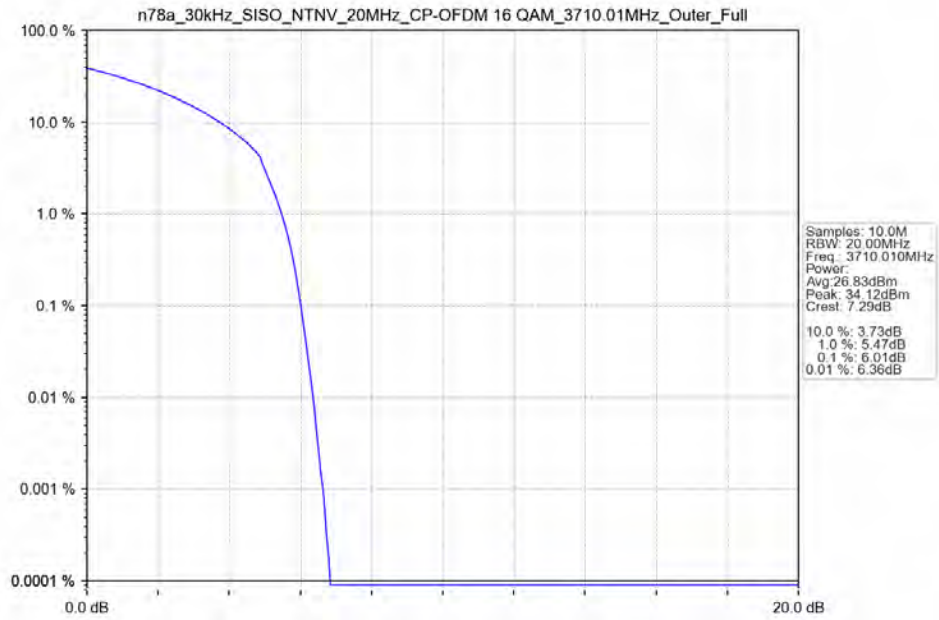
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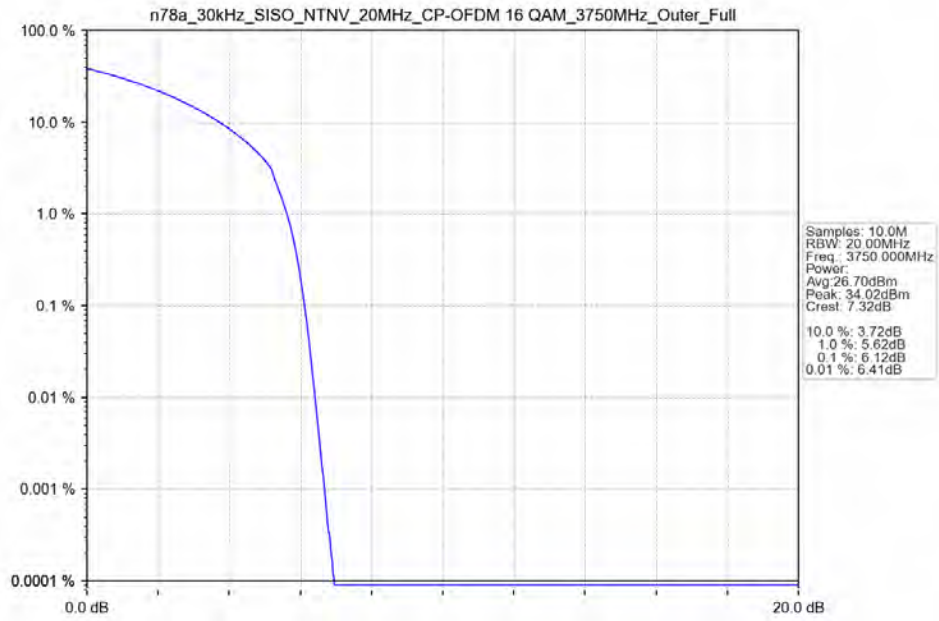
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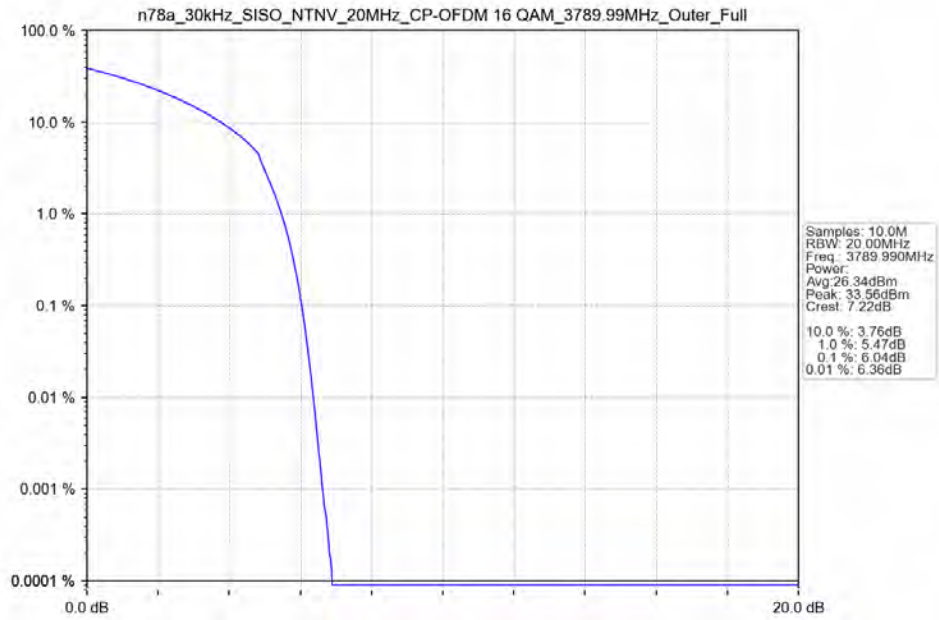
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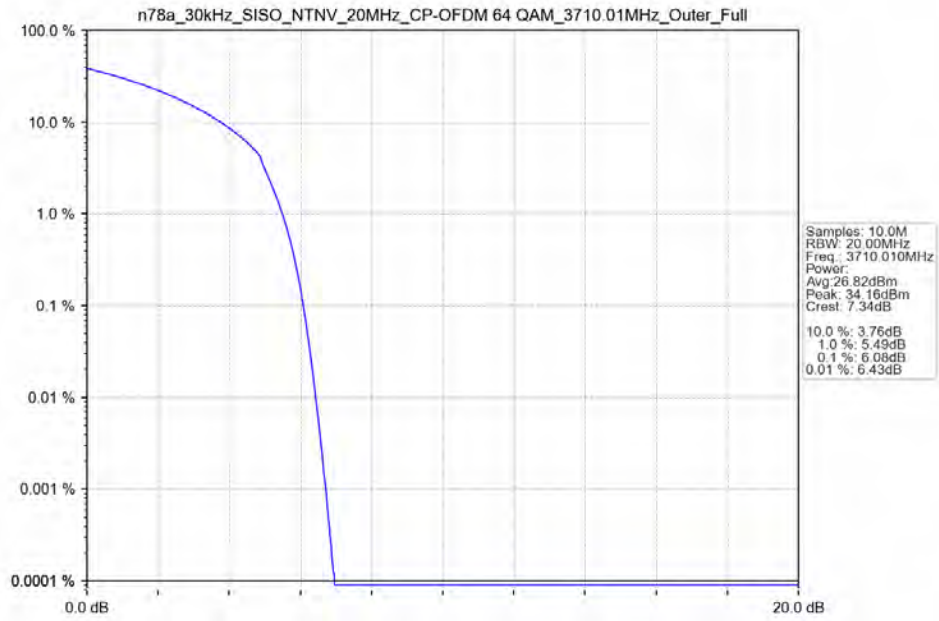
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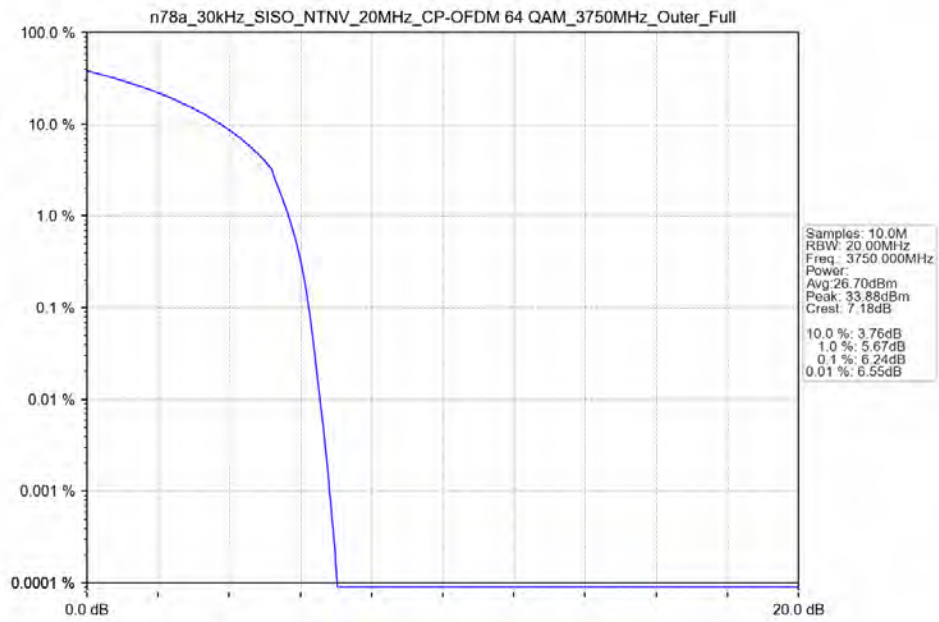
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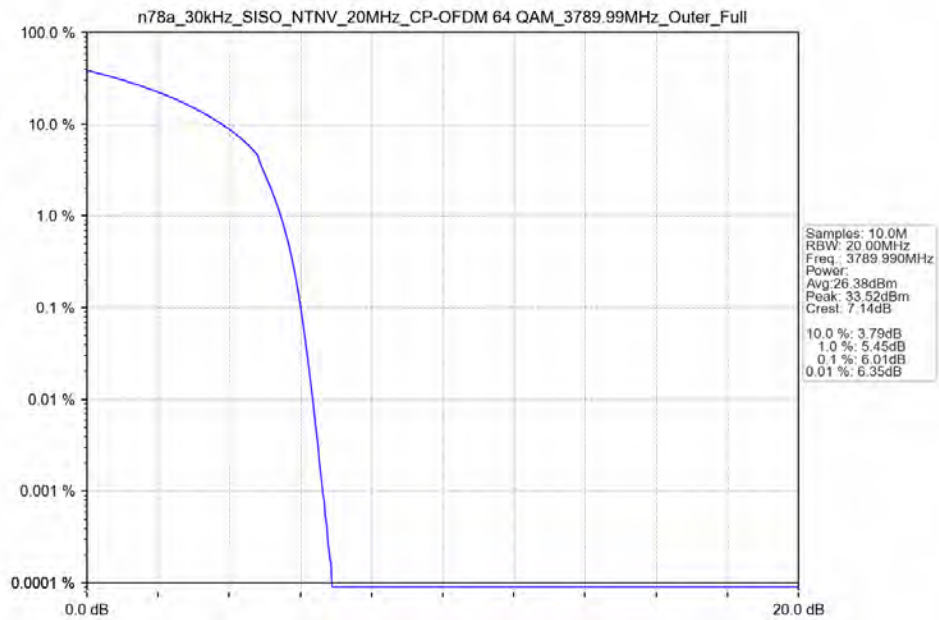
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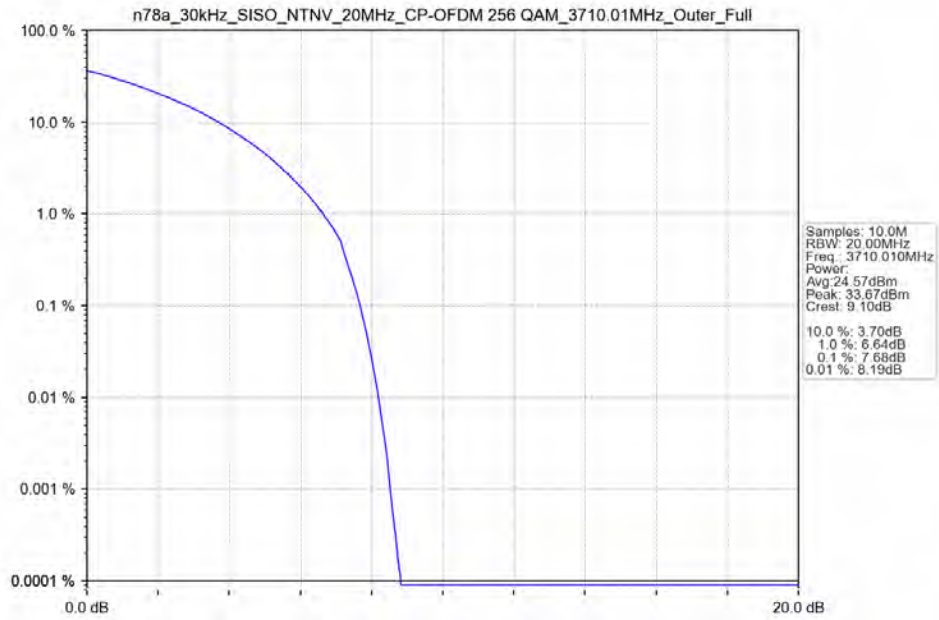
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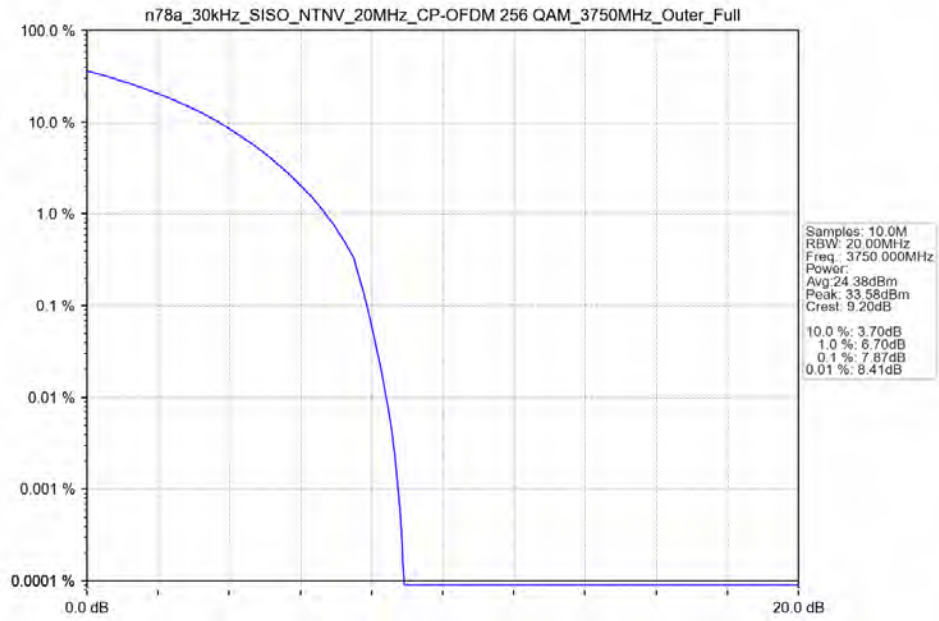
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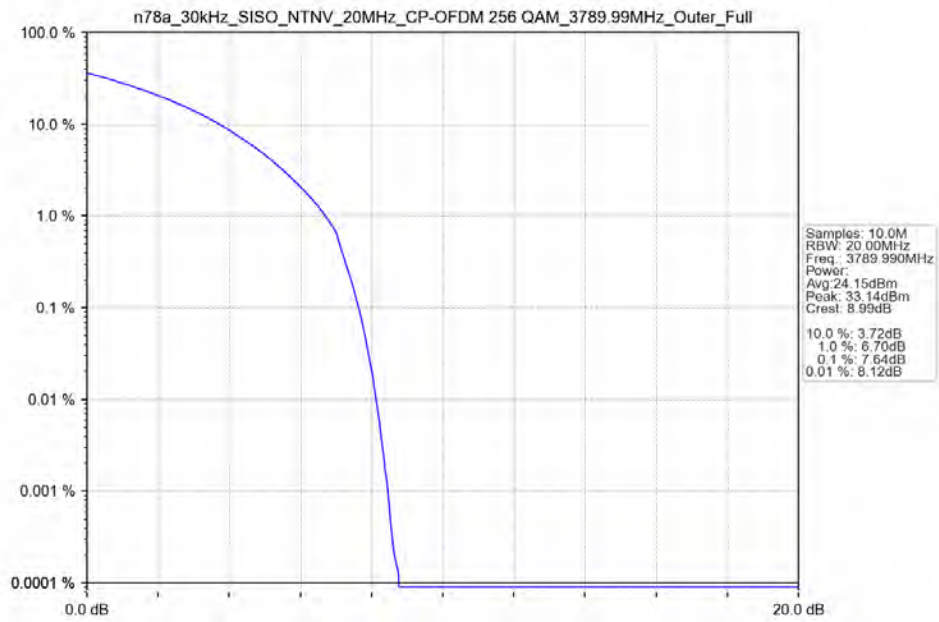
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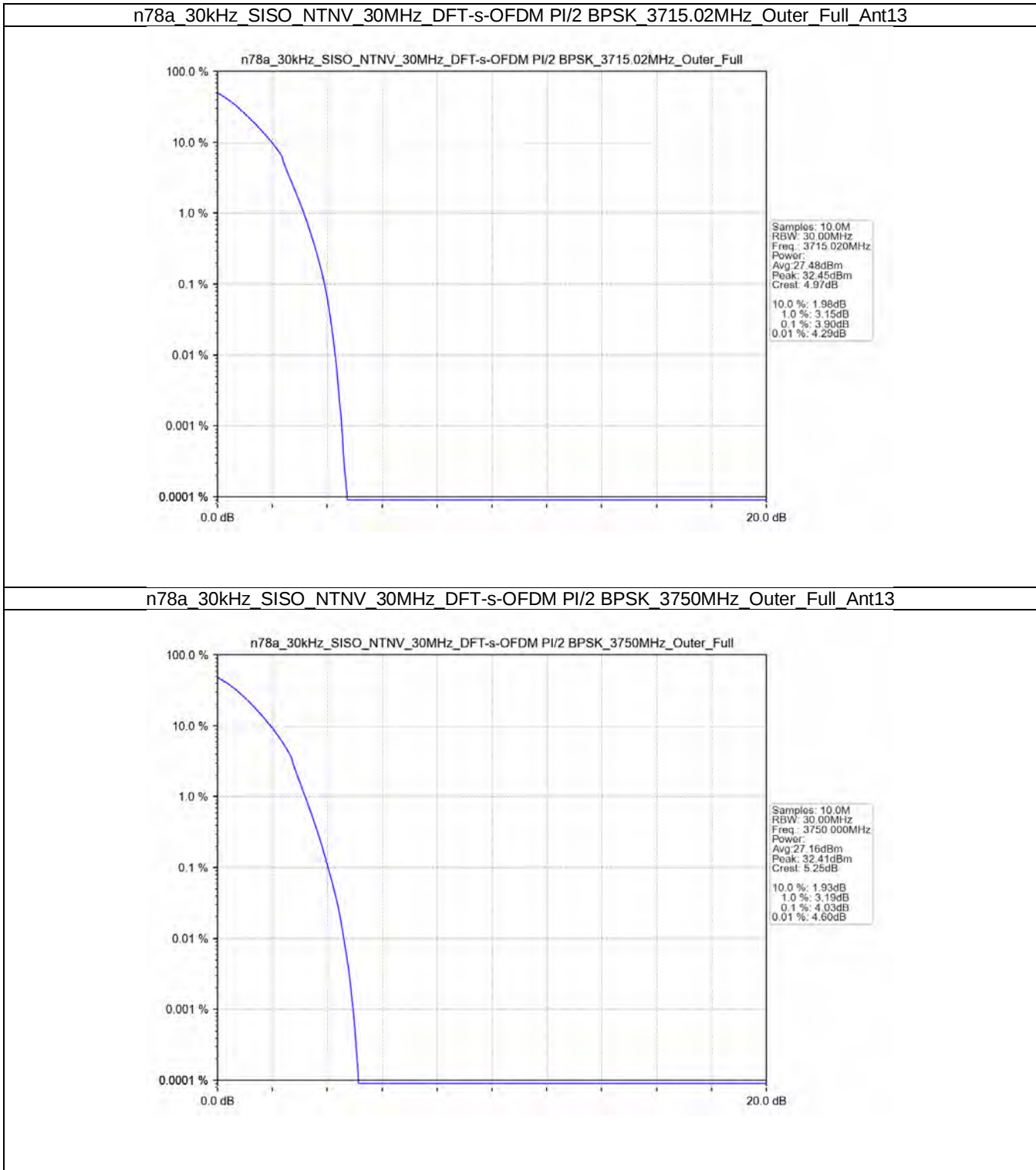
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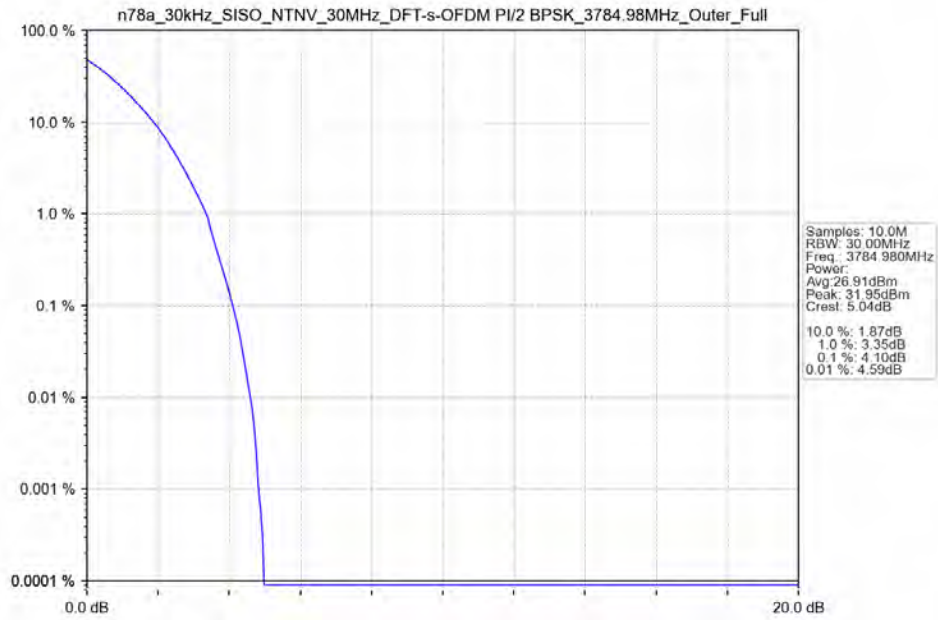
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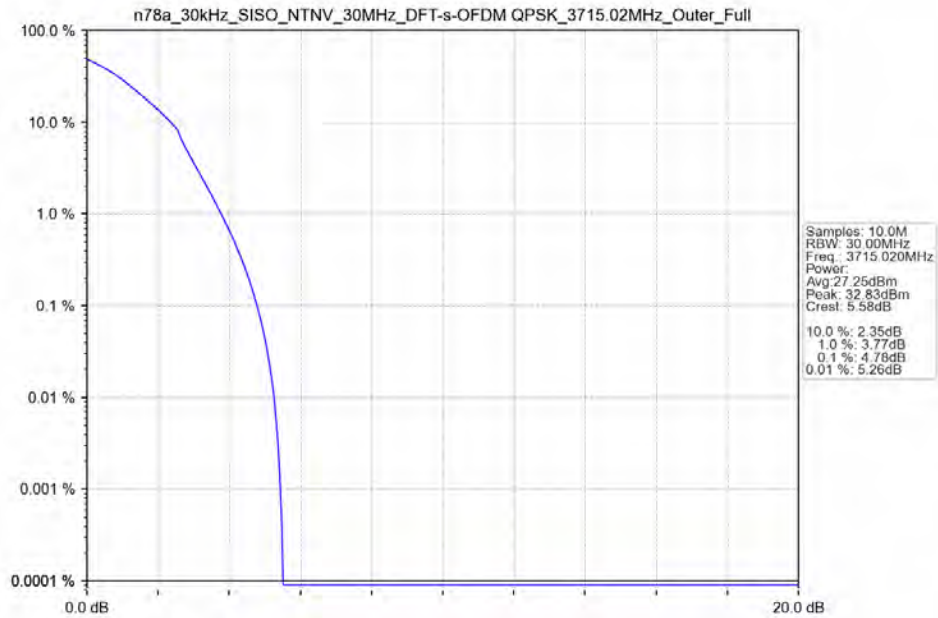
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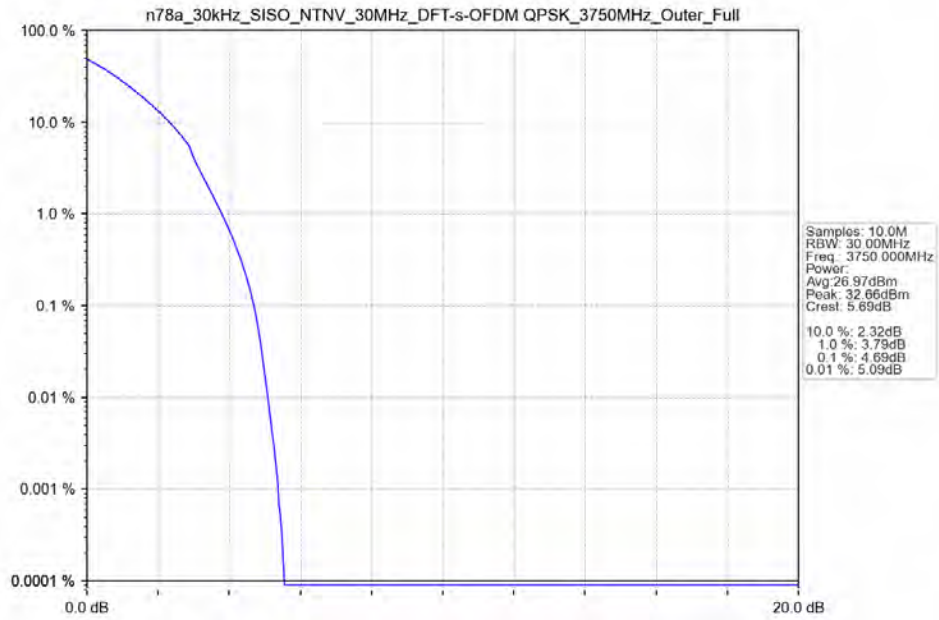
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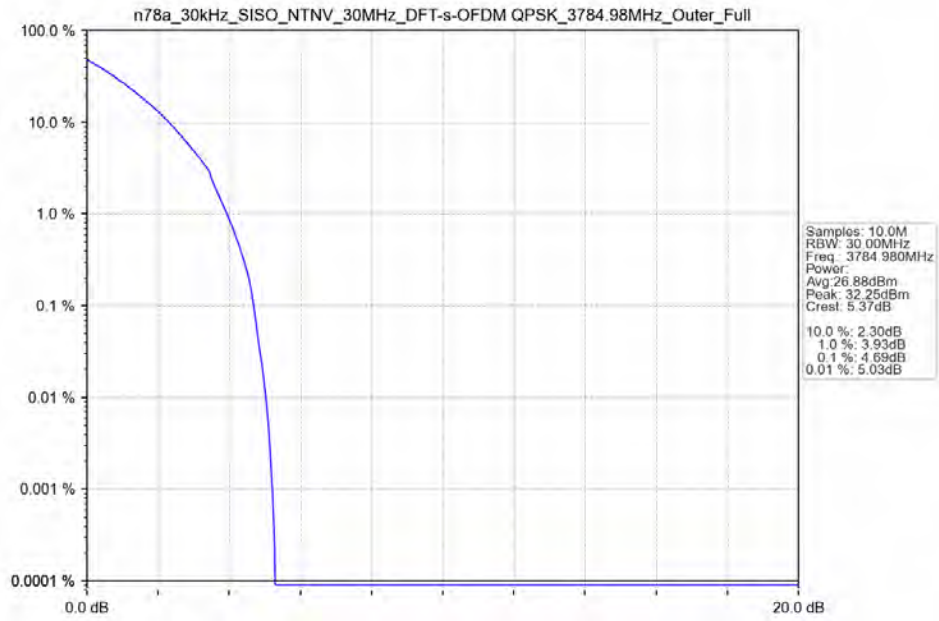
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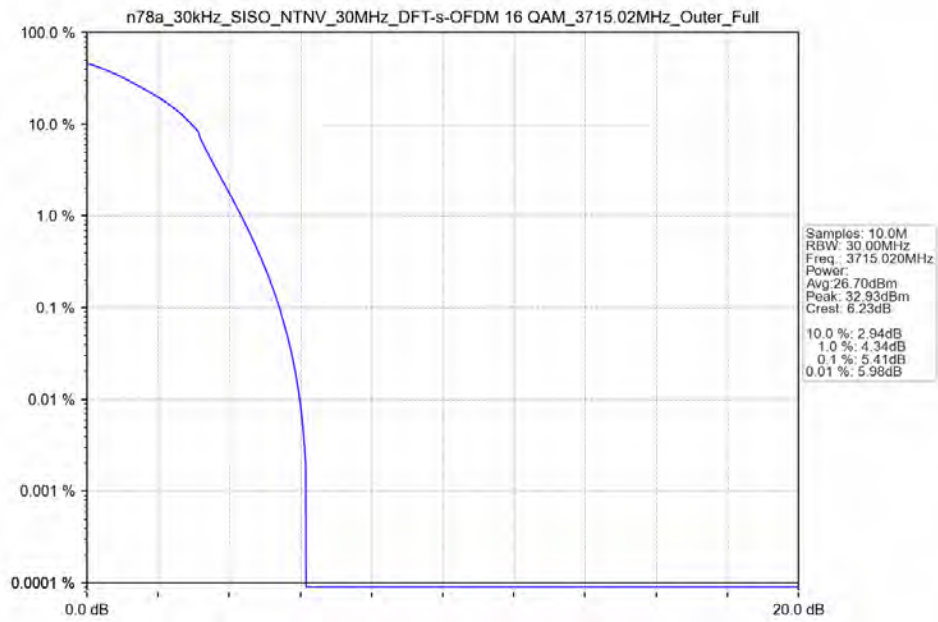
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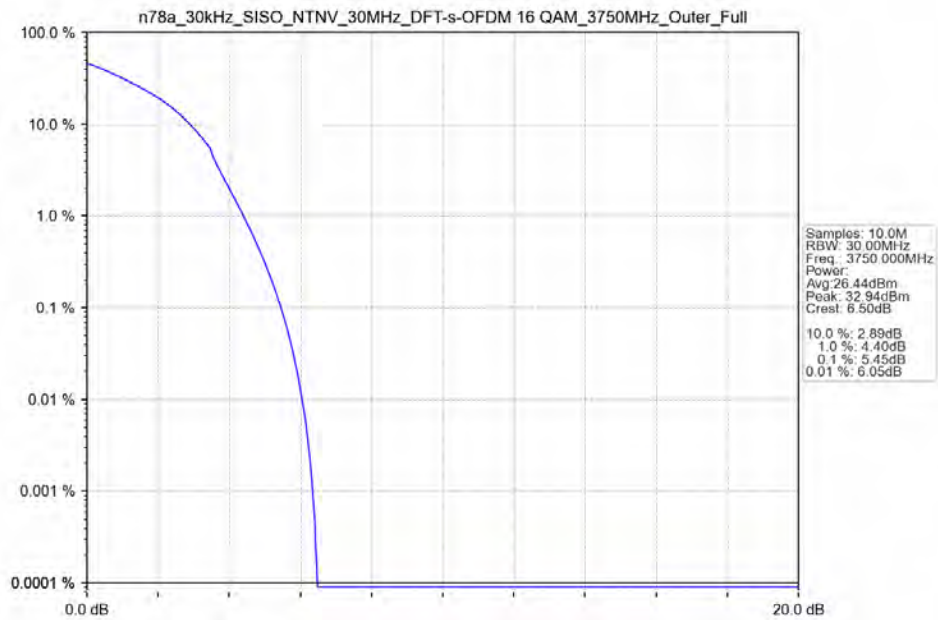
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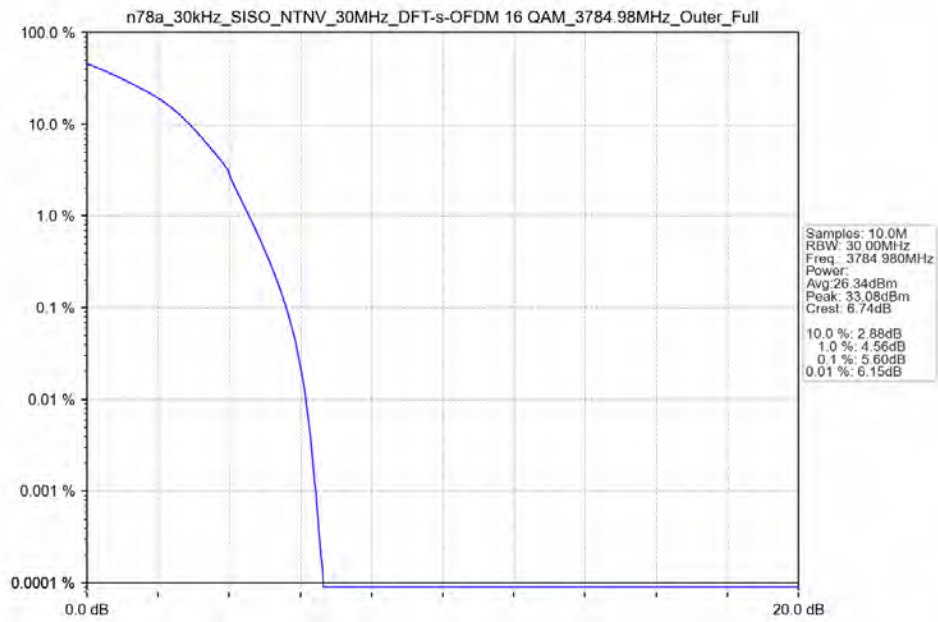
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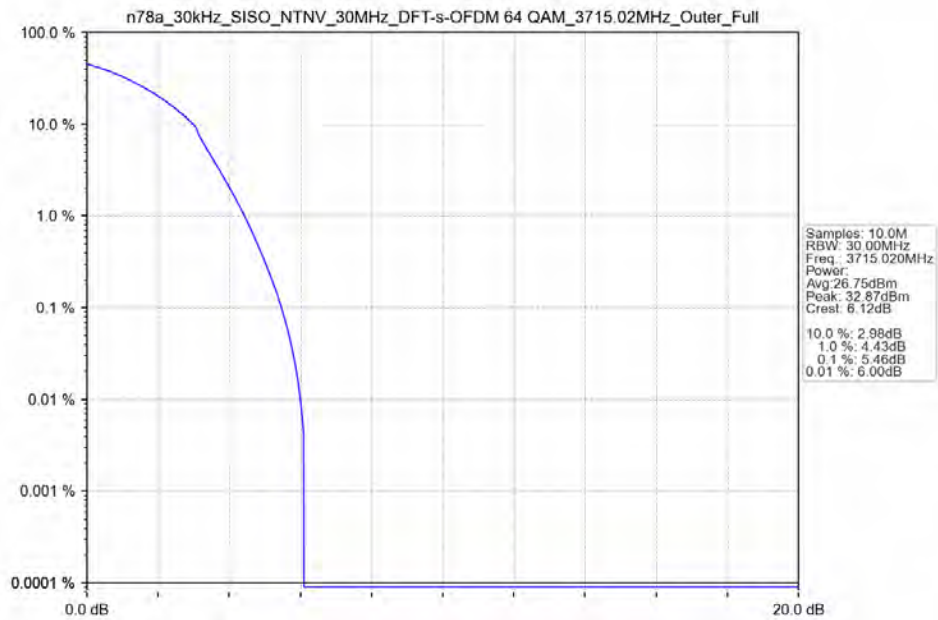
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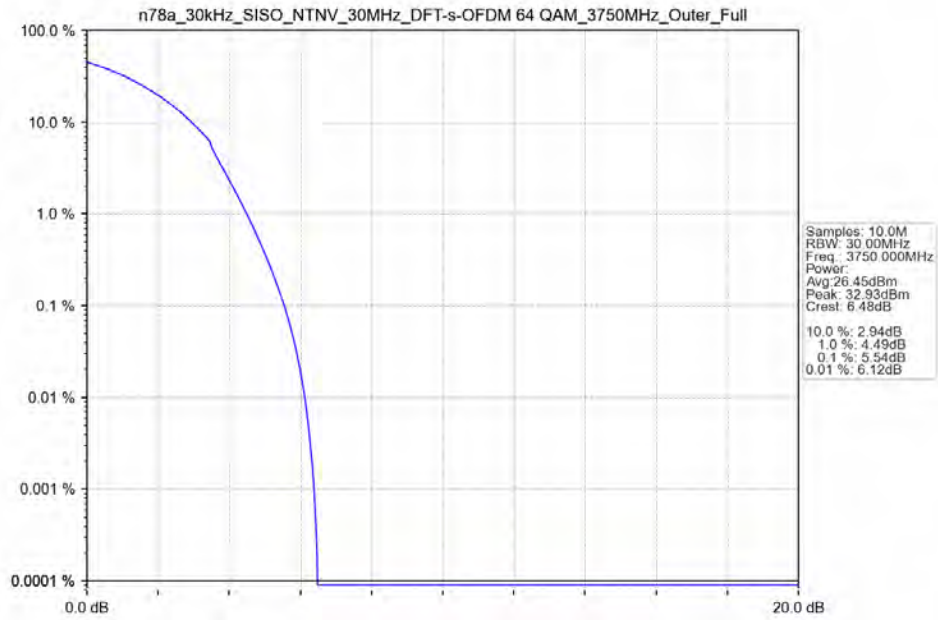
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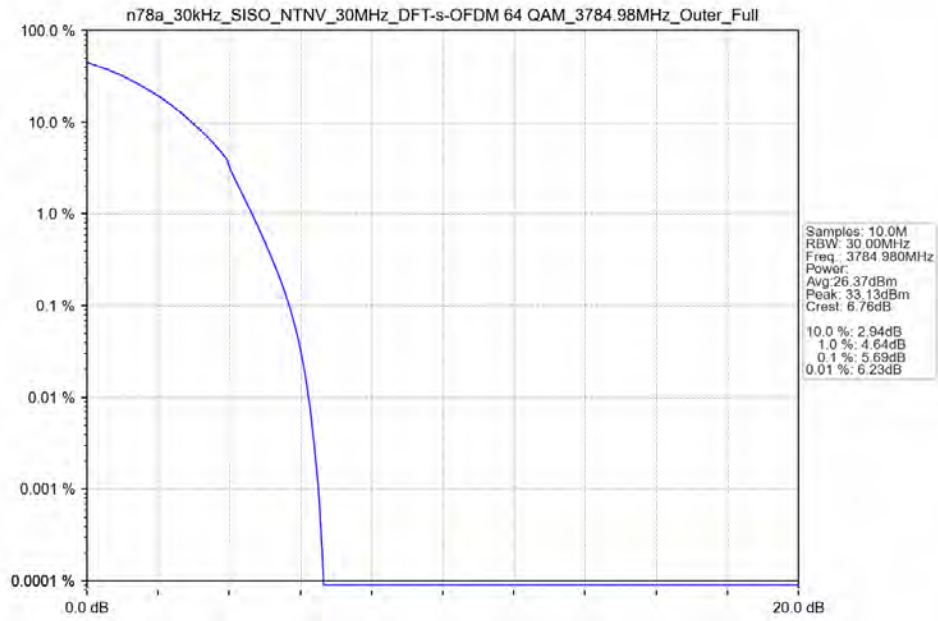
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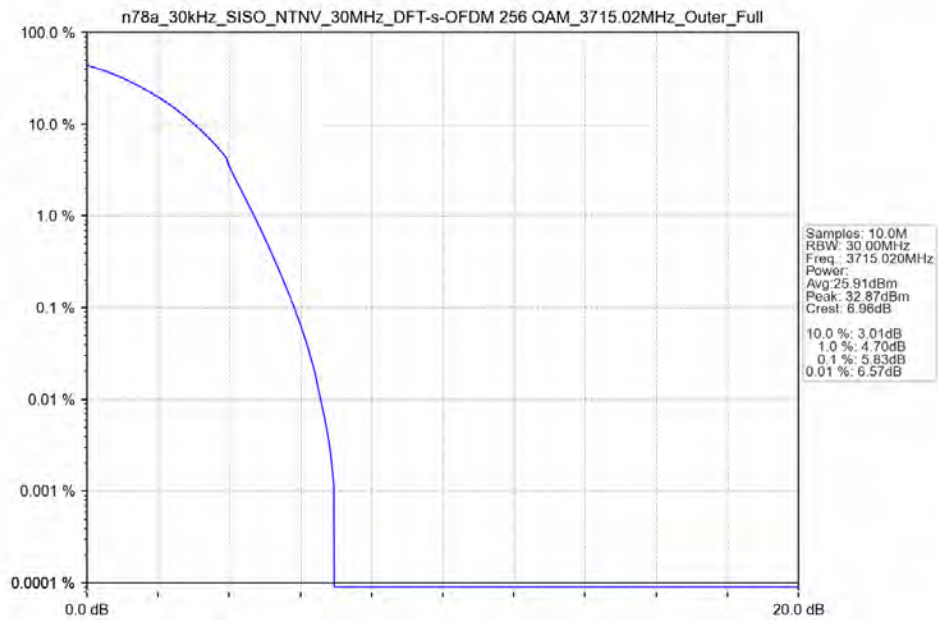
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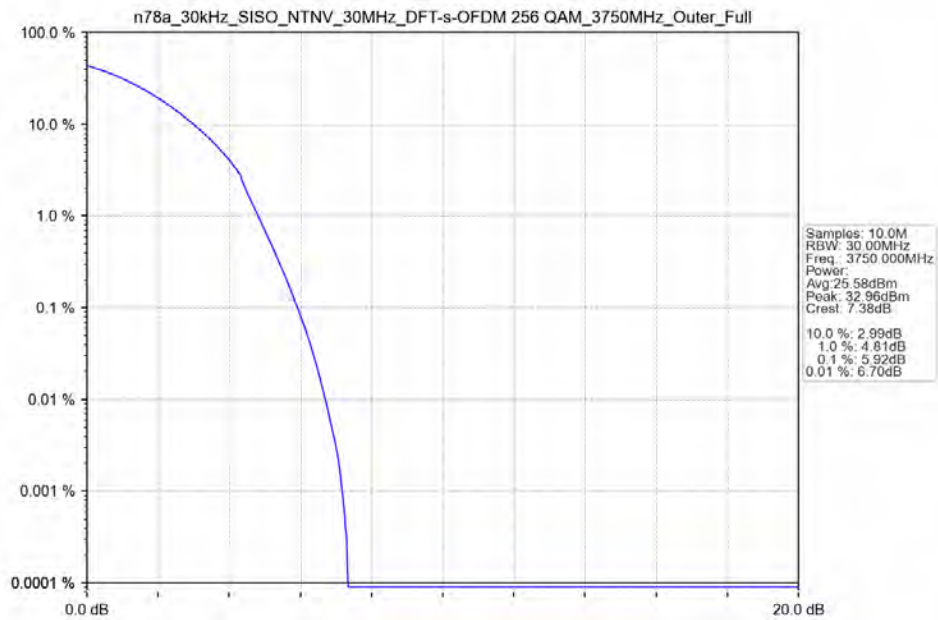
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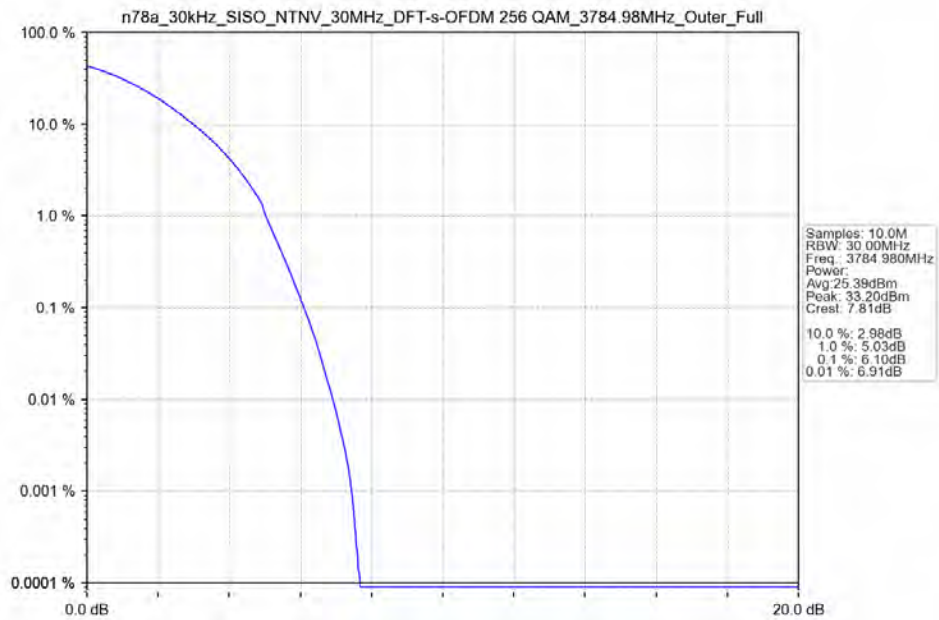
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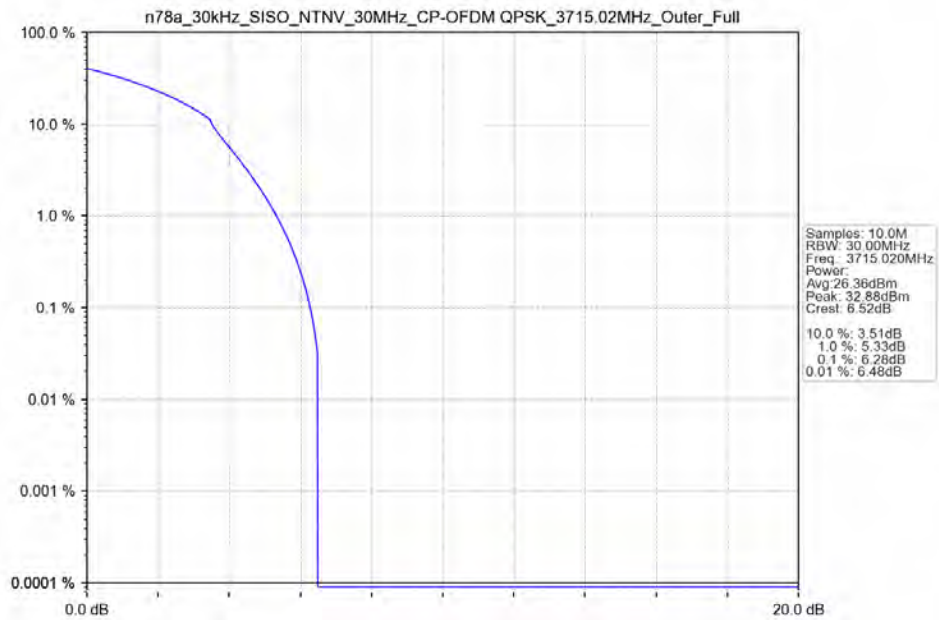
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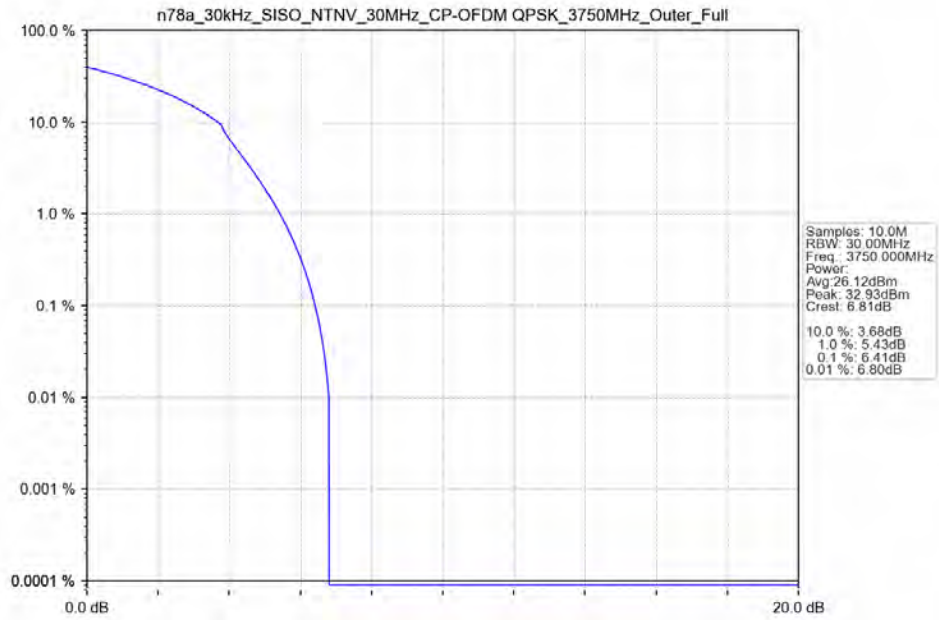
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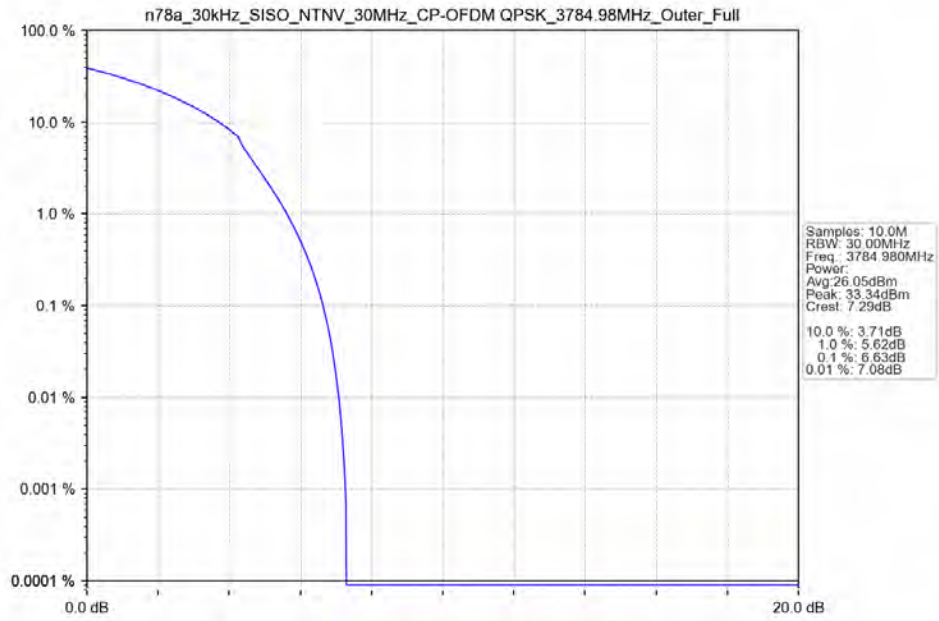
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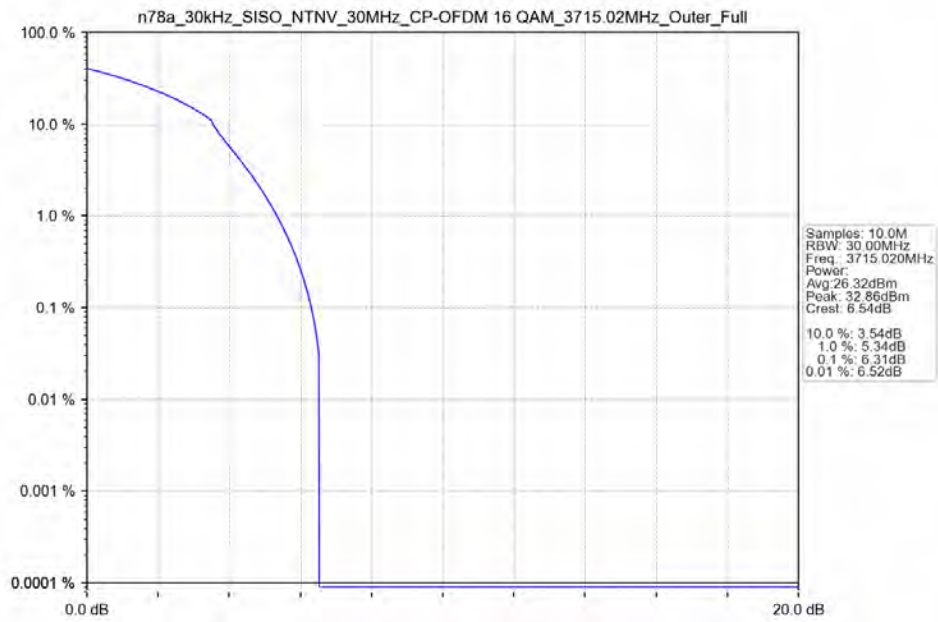
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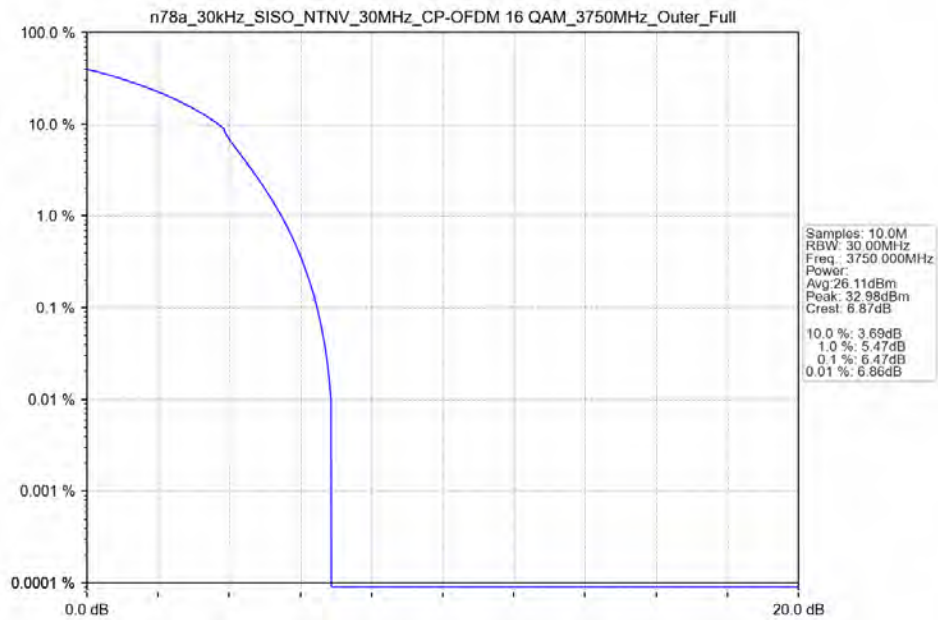
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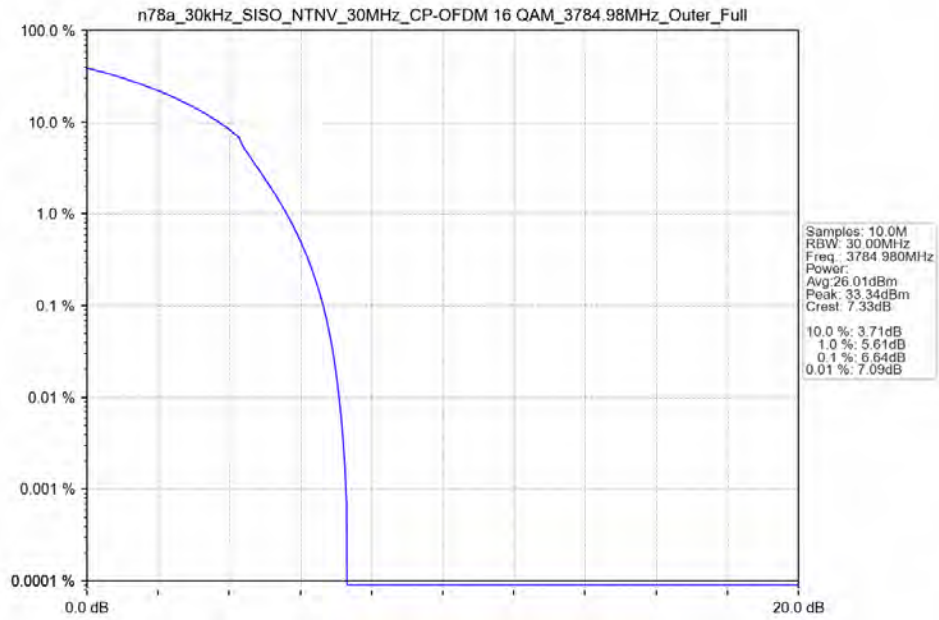
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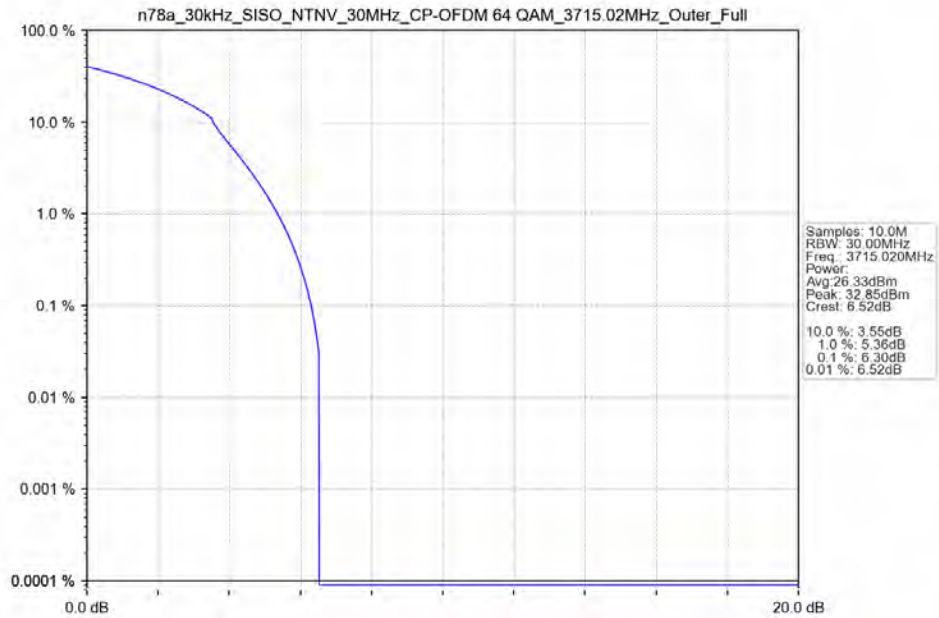
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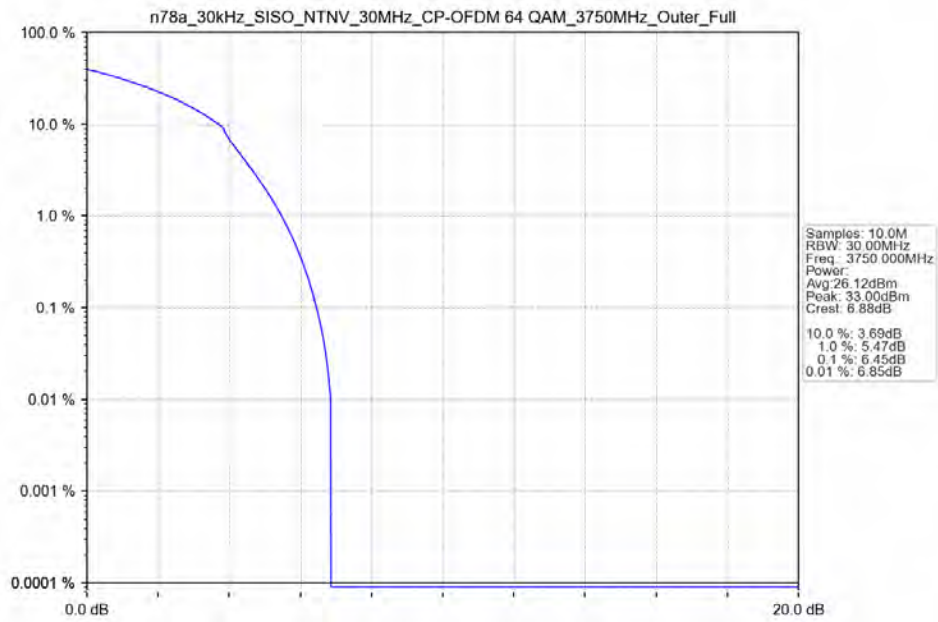
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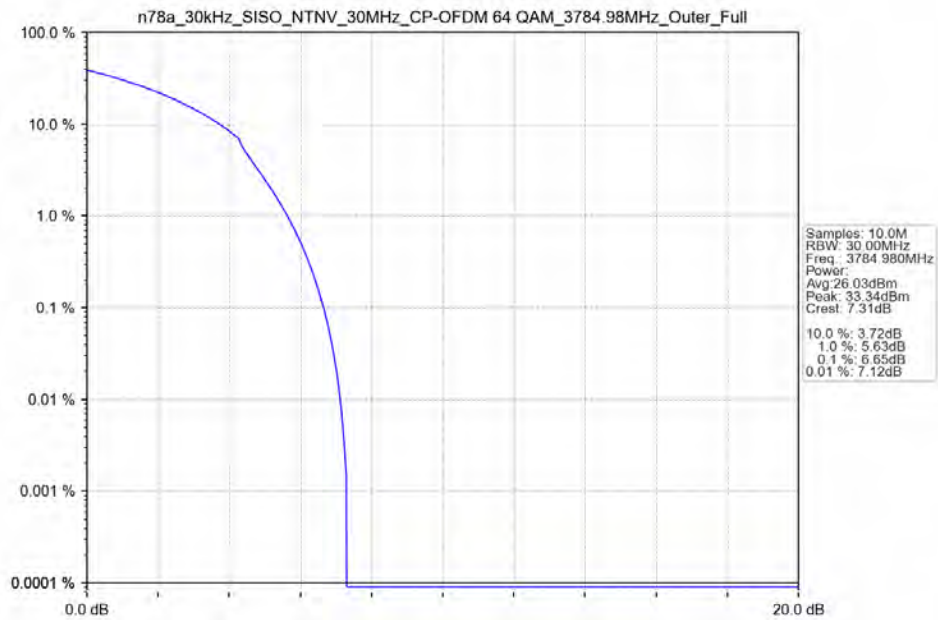
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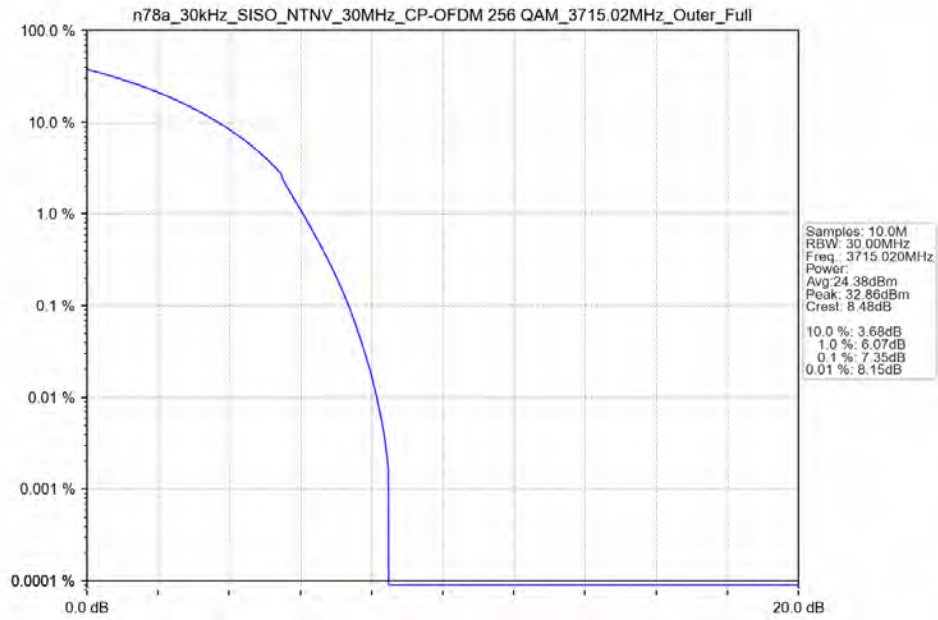
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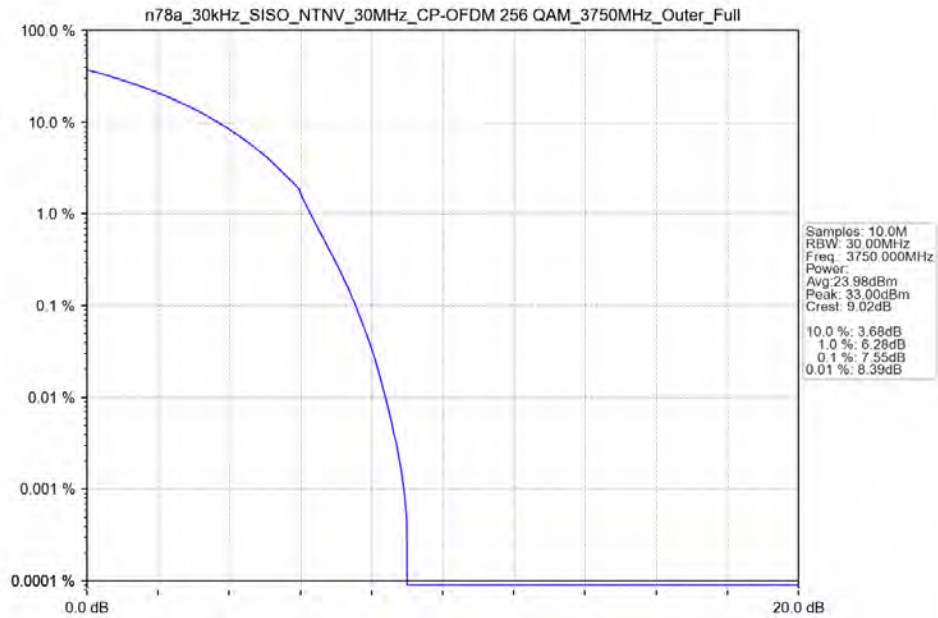
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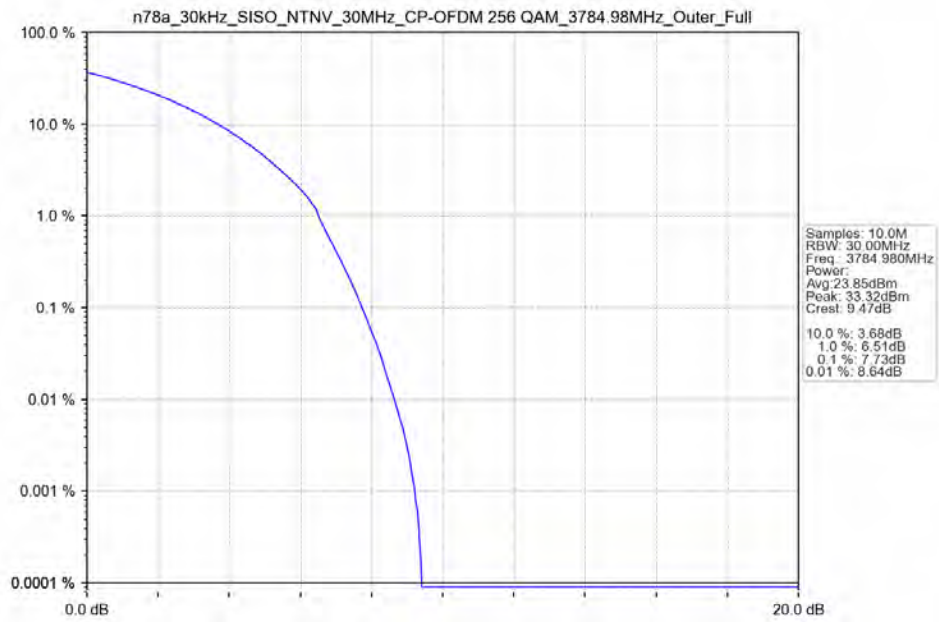
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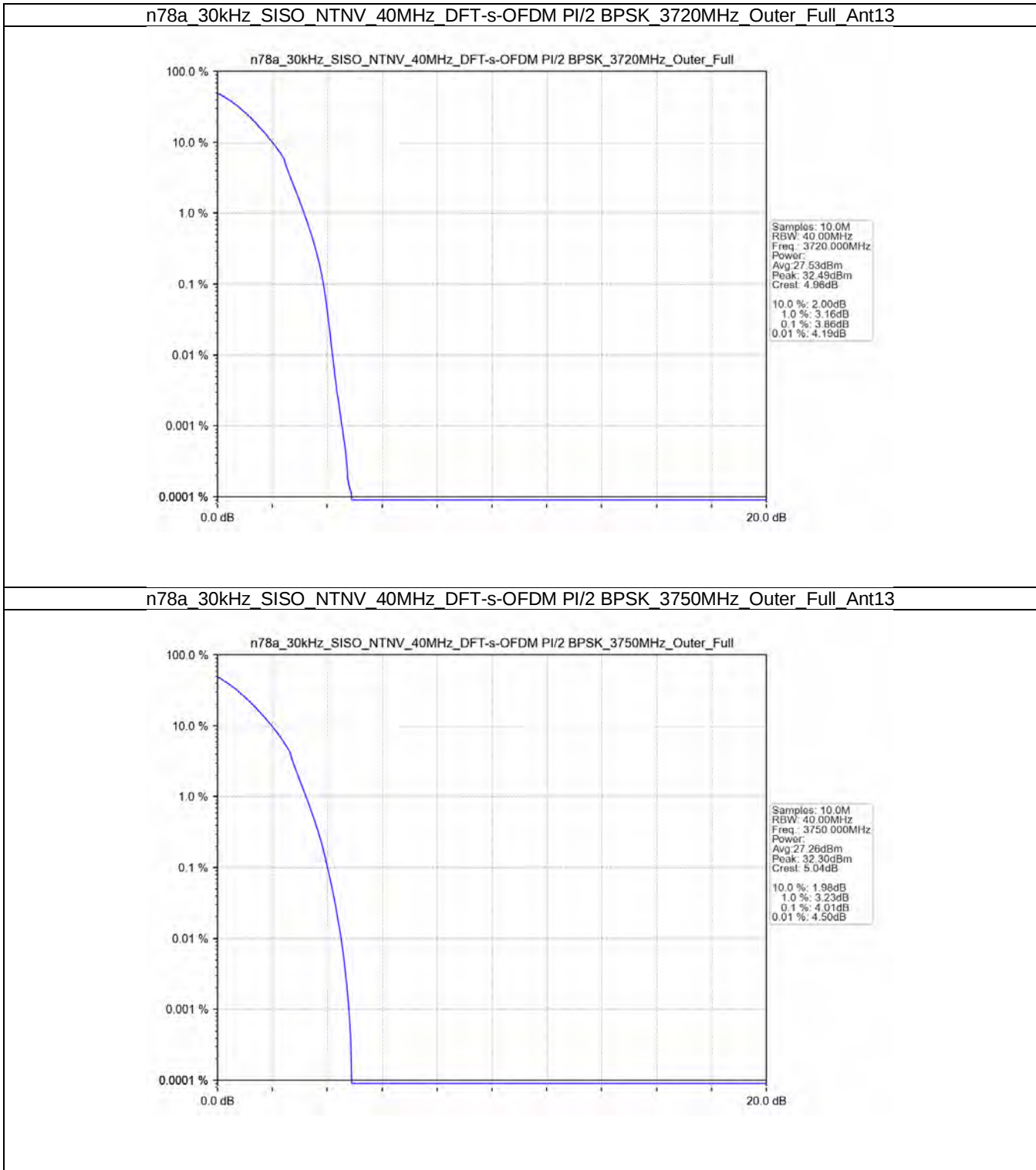
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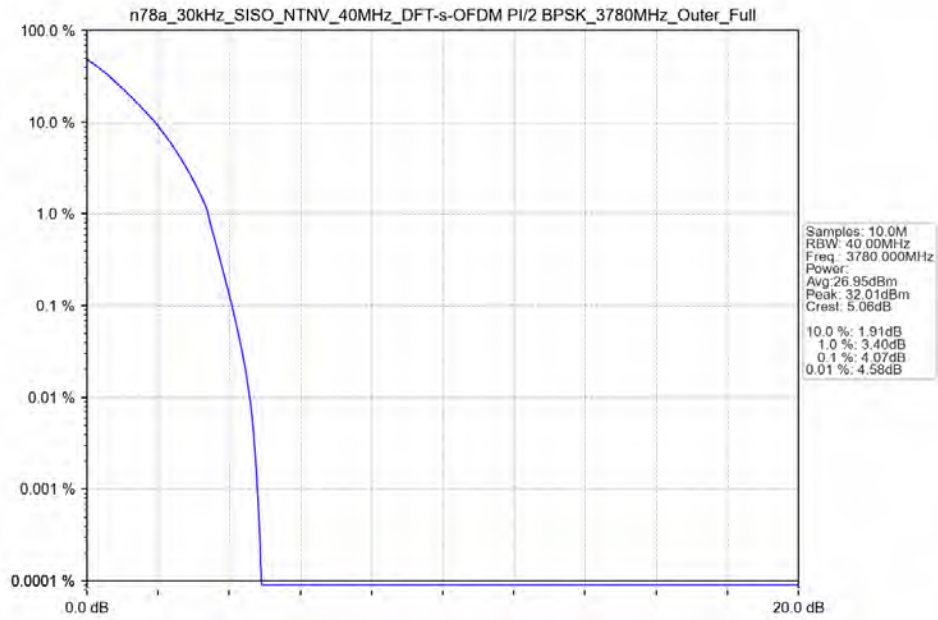
n78a 30kHz SISO NTN 30MHz CP-OFDM 256 QAM 3784.98MHz Outer Full Ant13



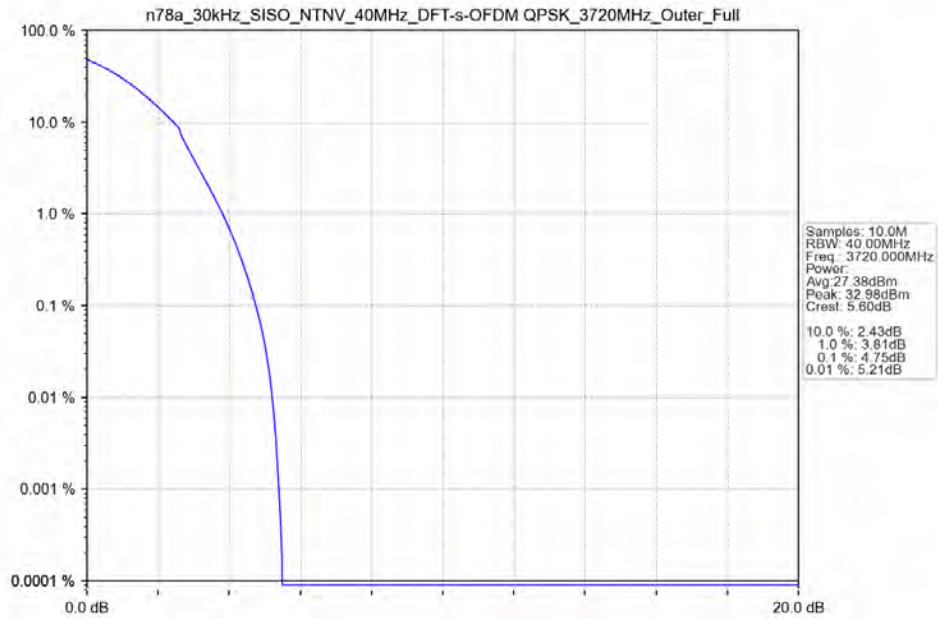
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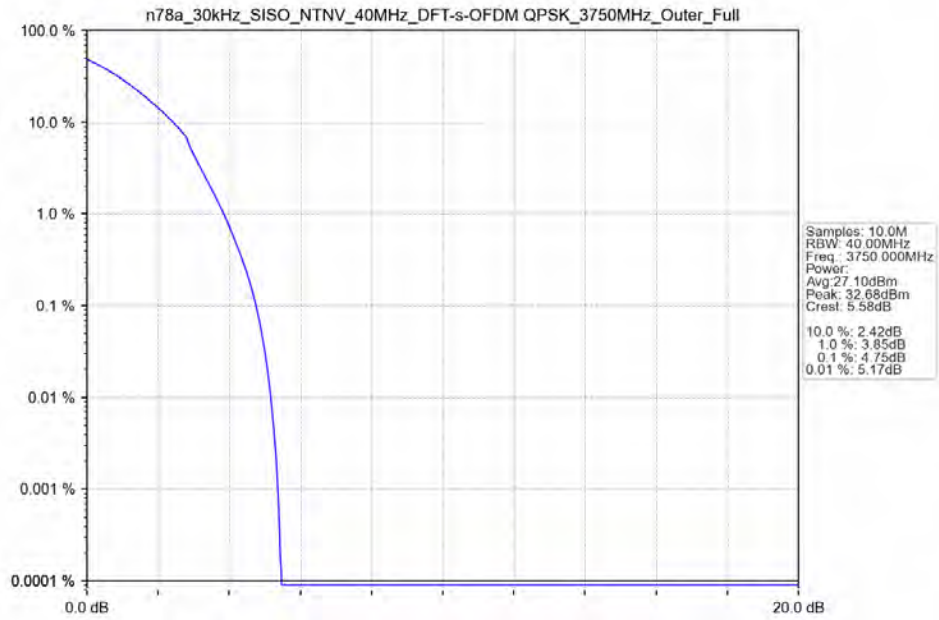
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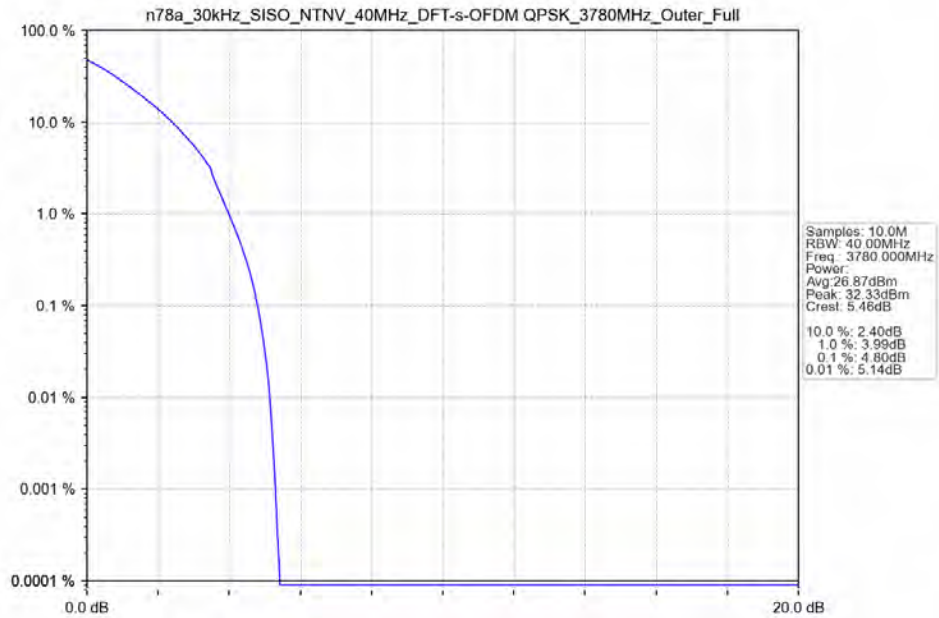
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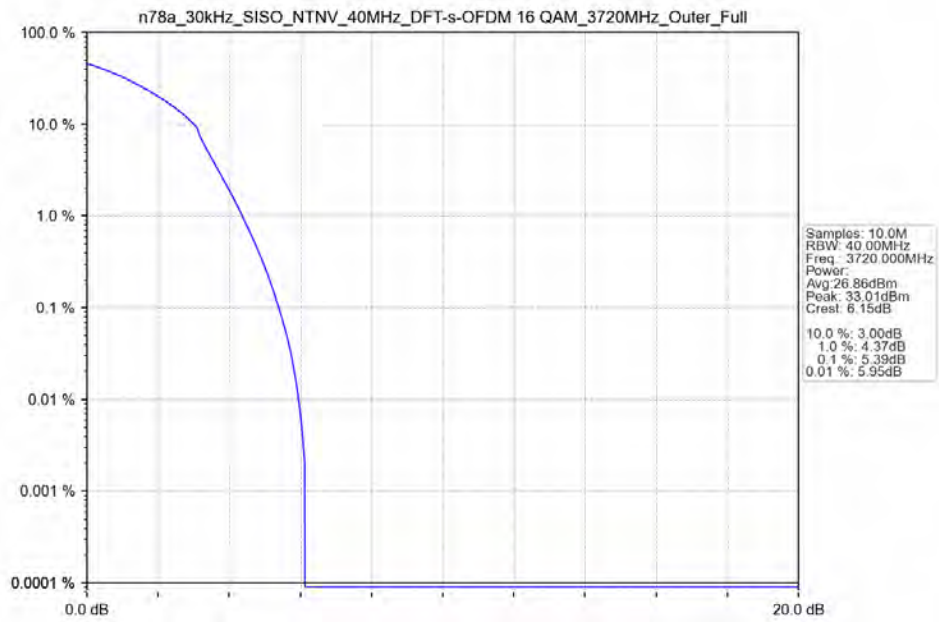
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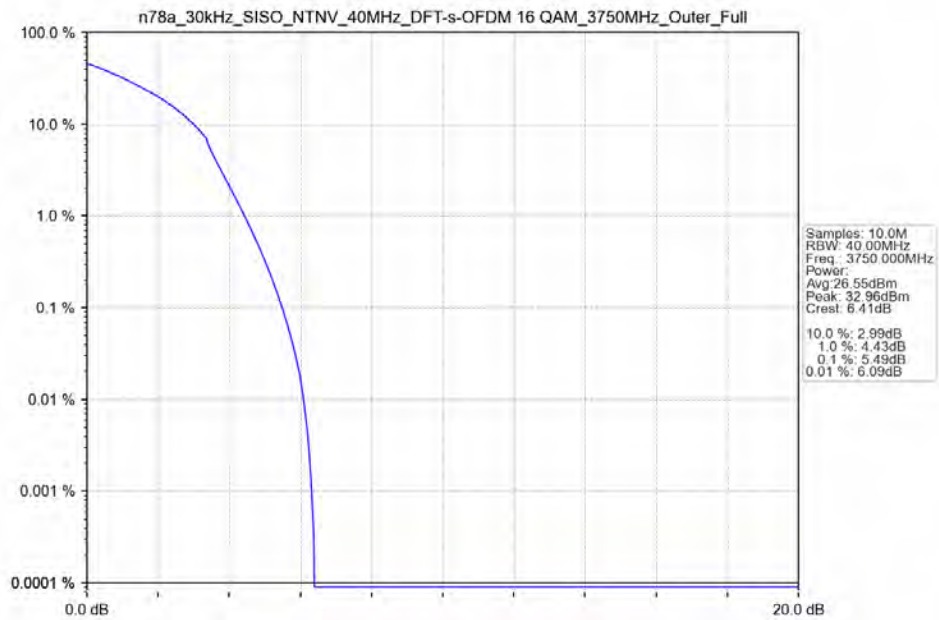
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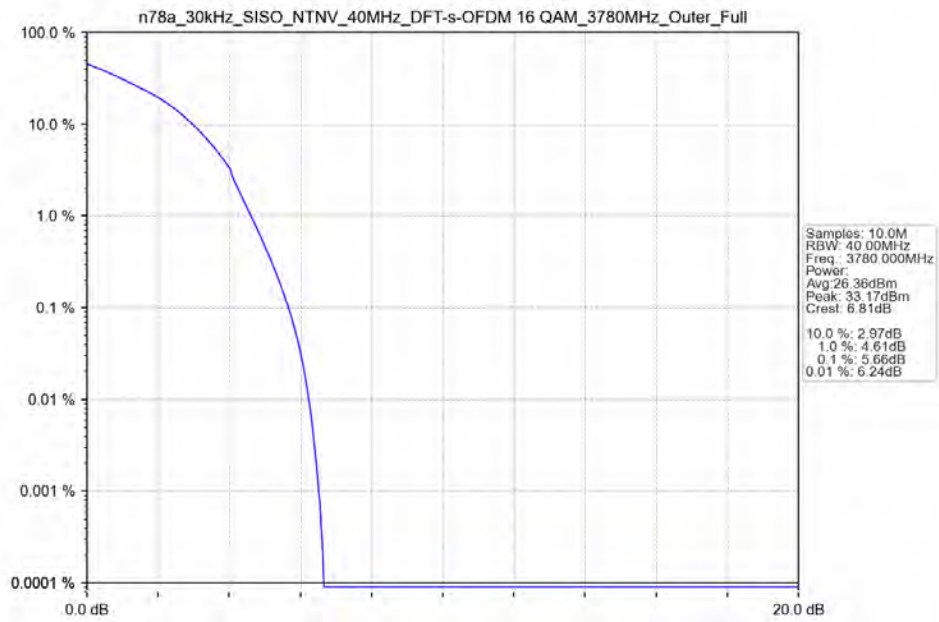
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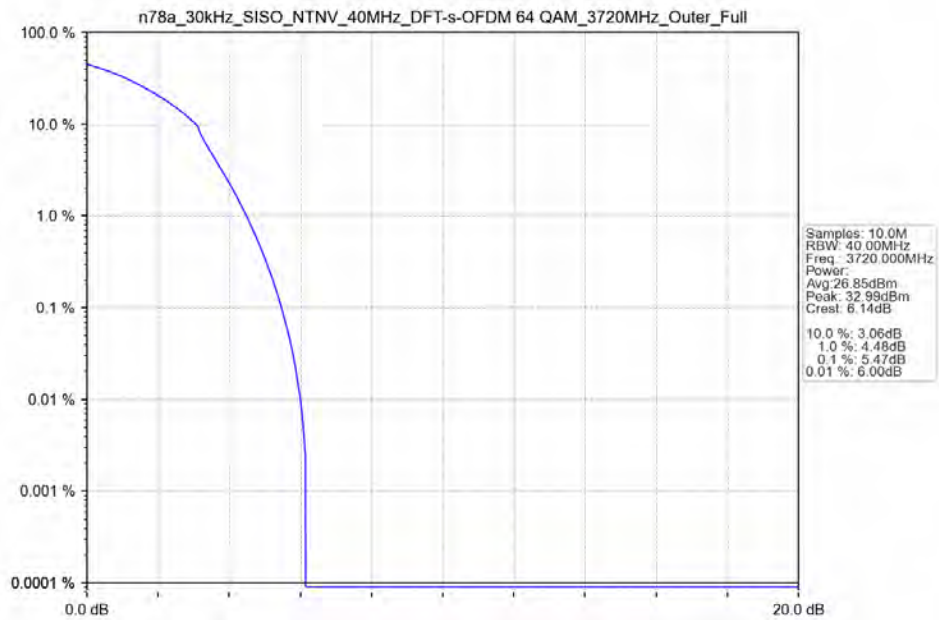
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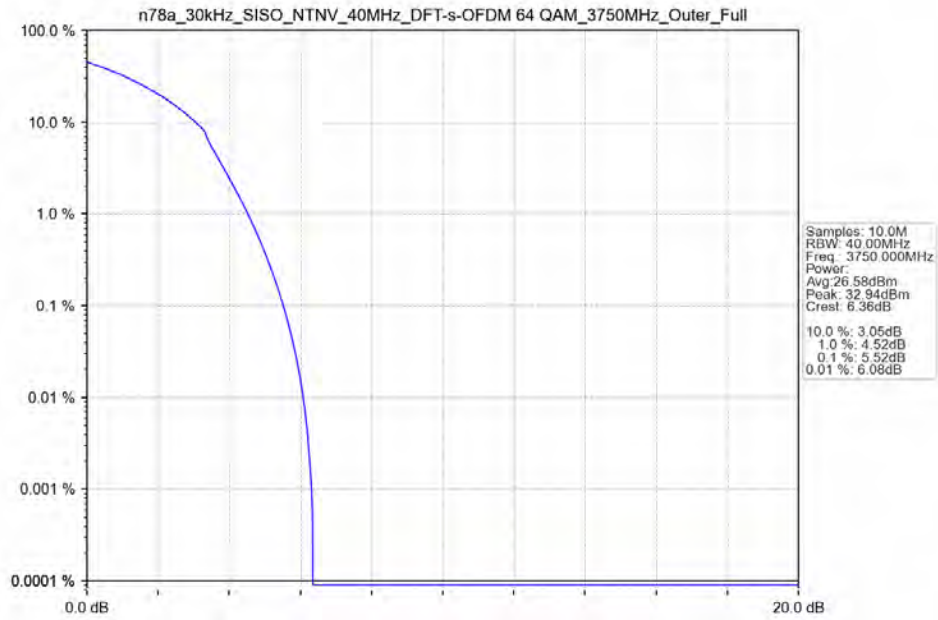
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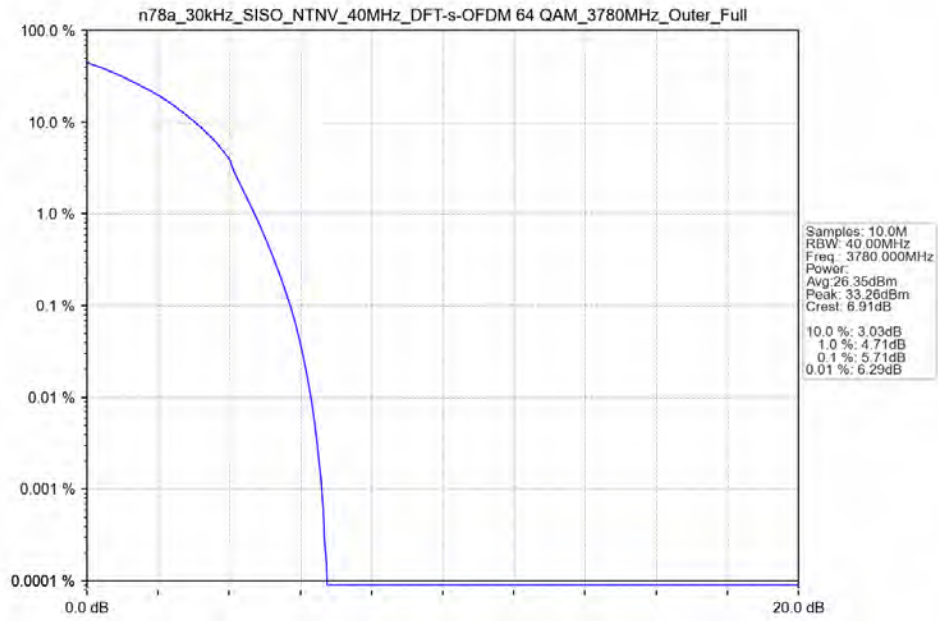
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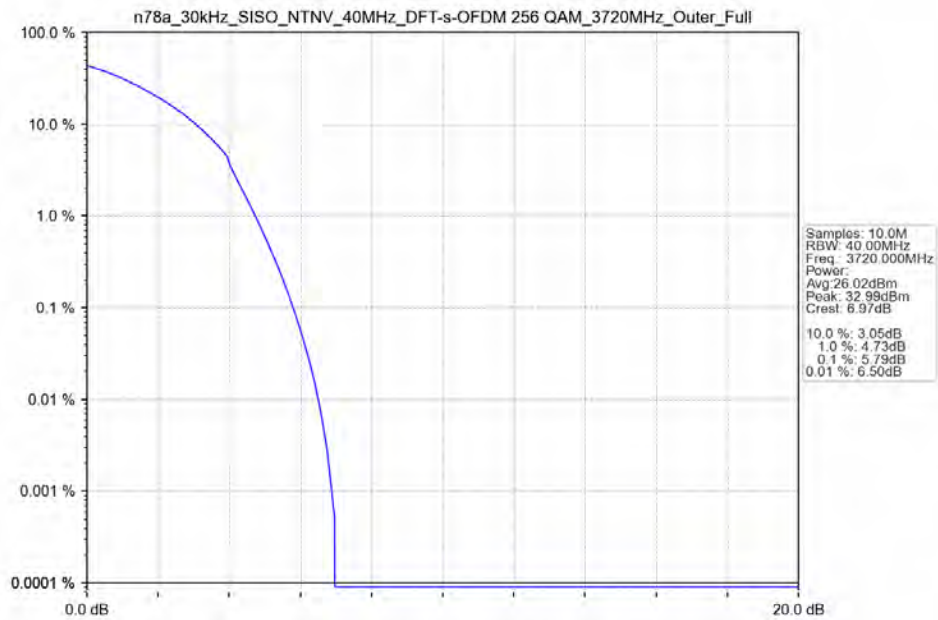
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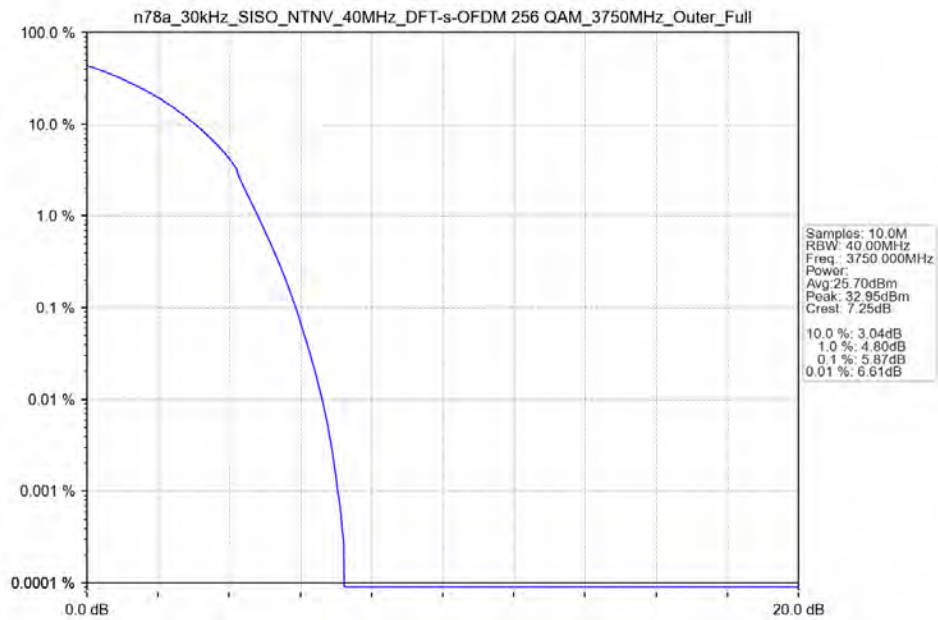
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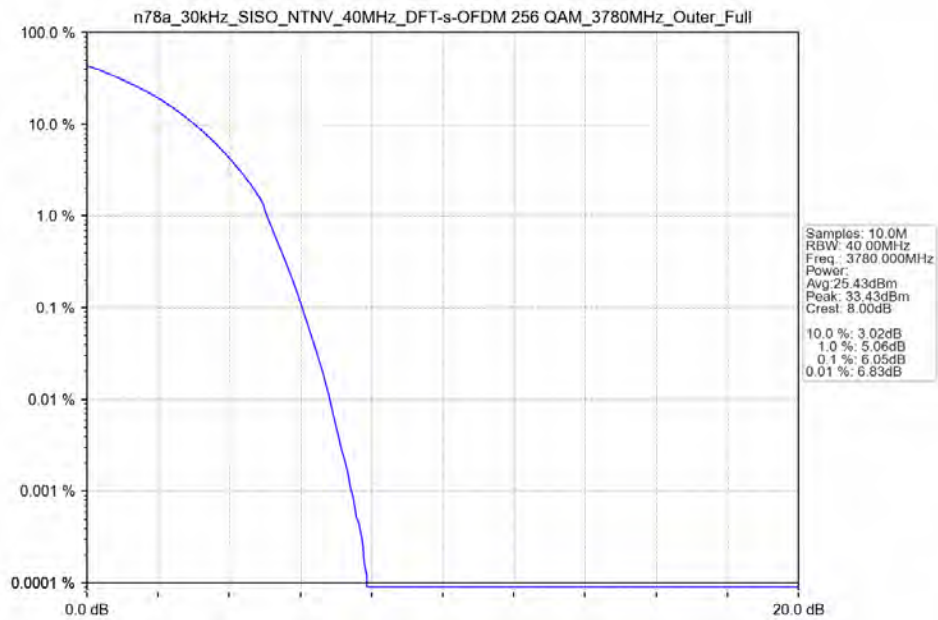
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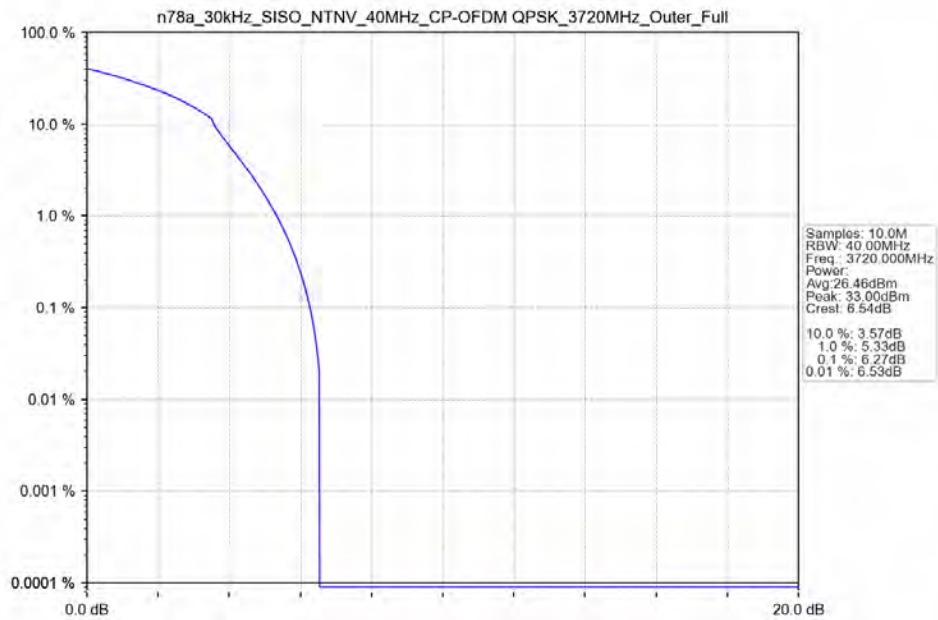
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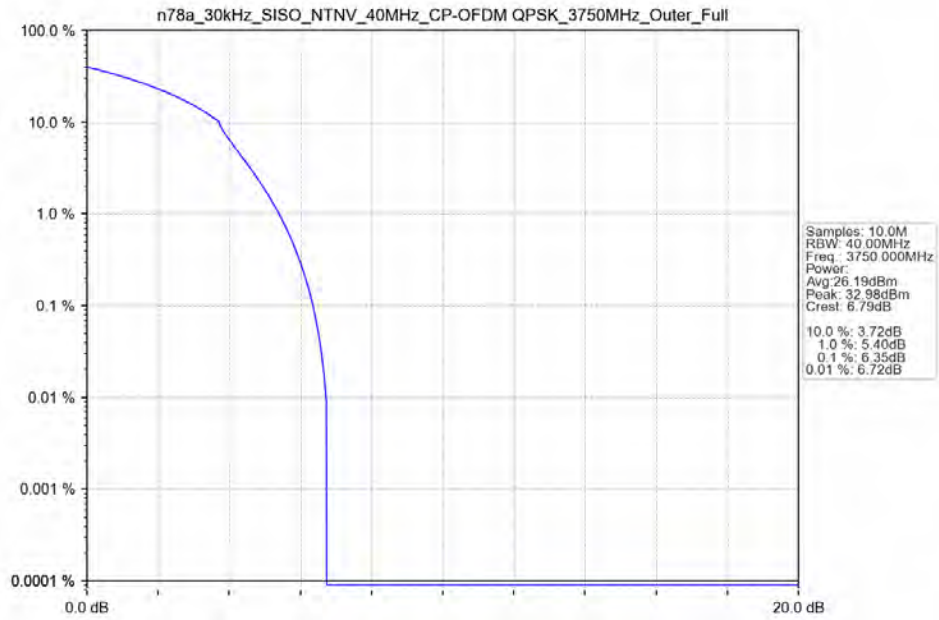
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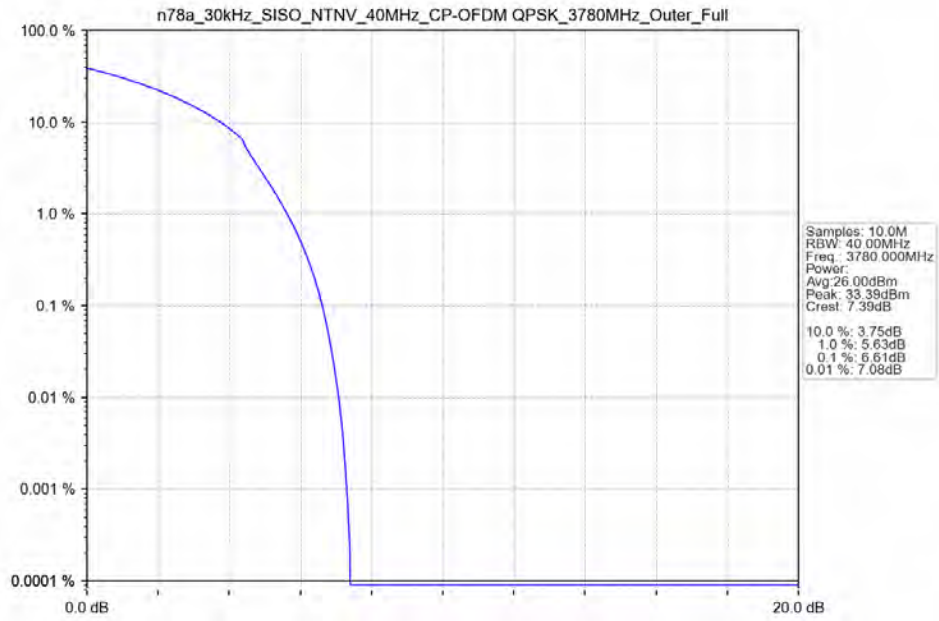
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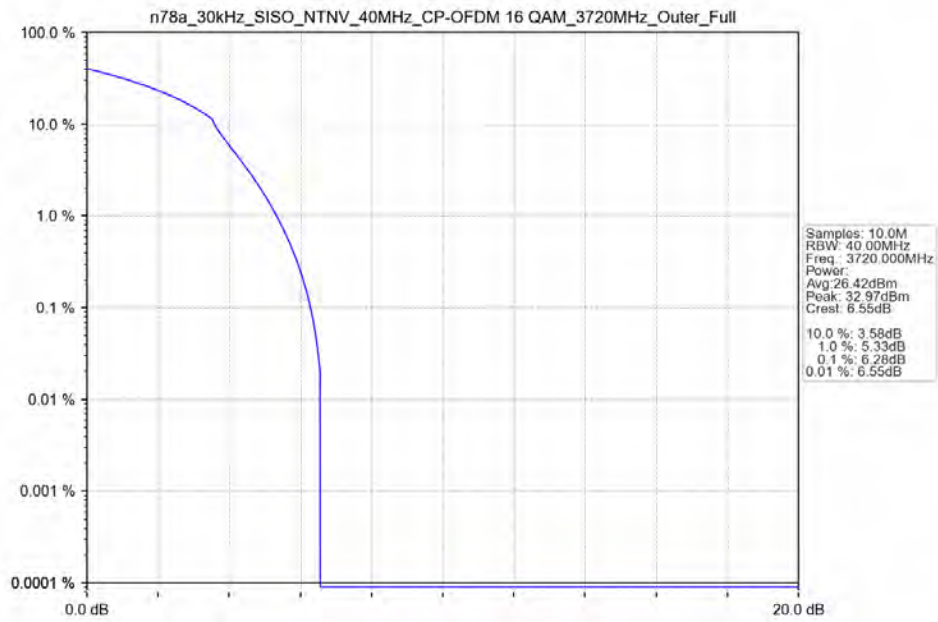
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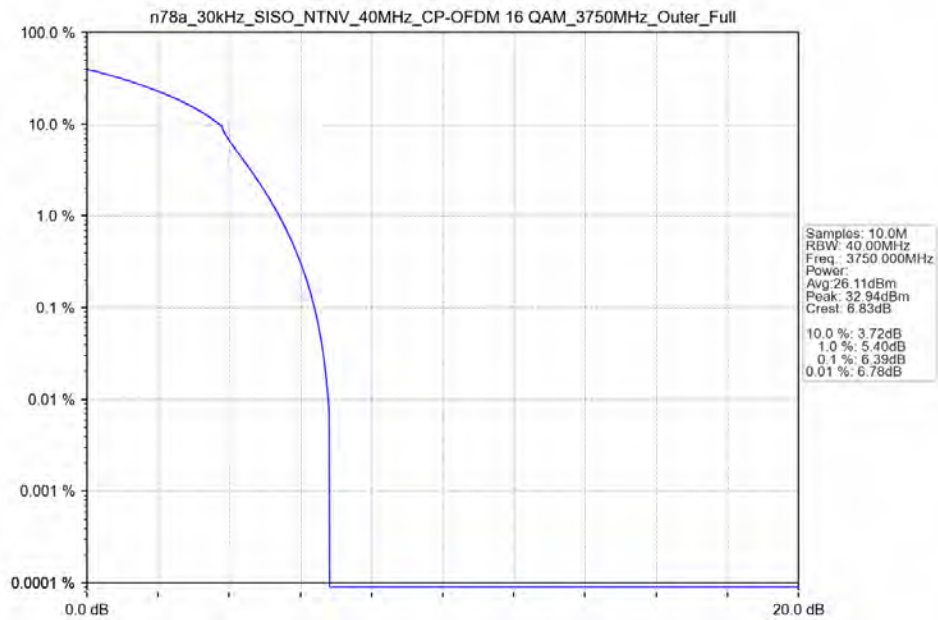
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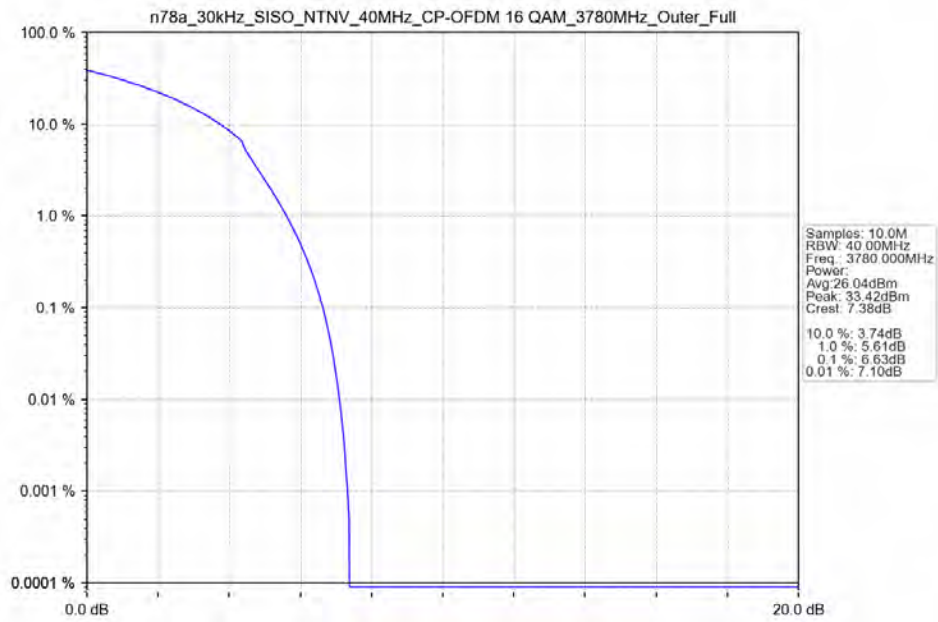
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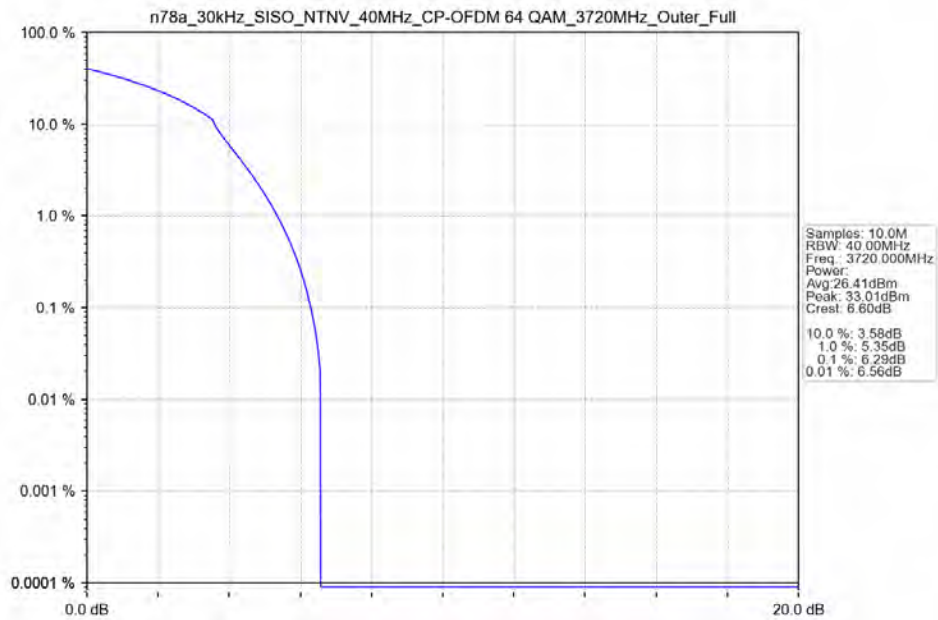
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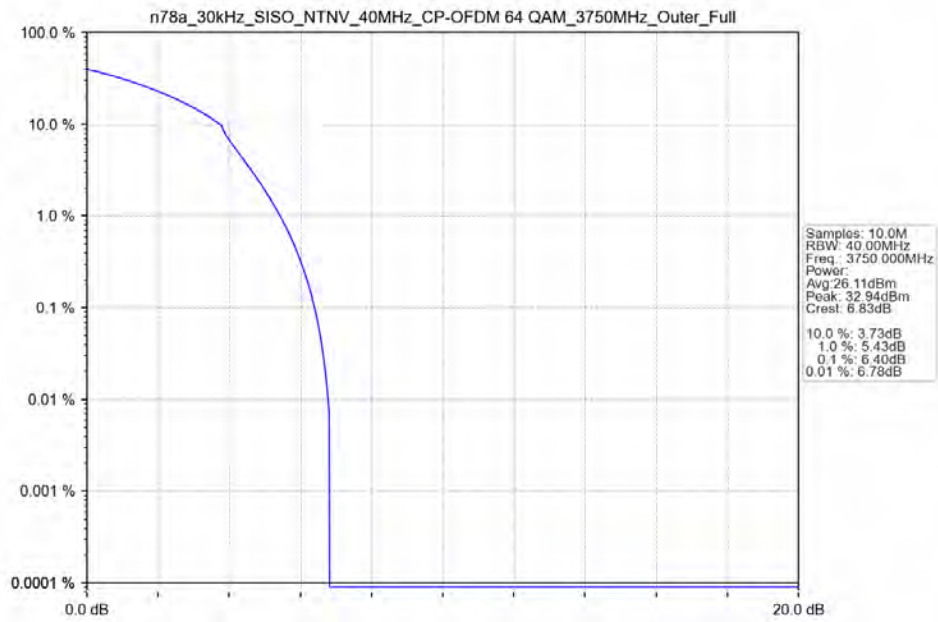
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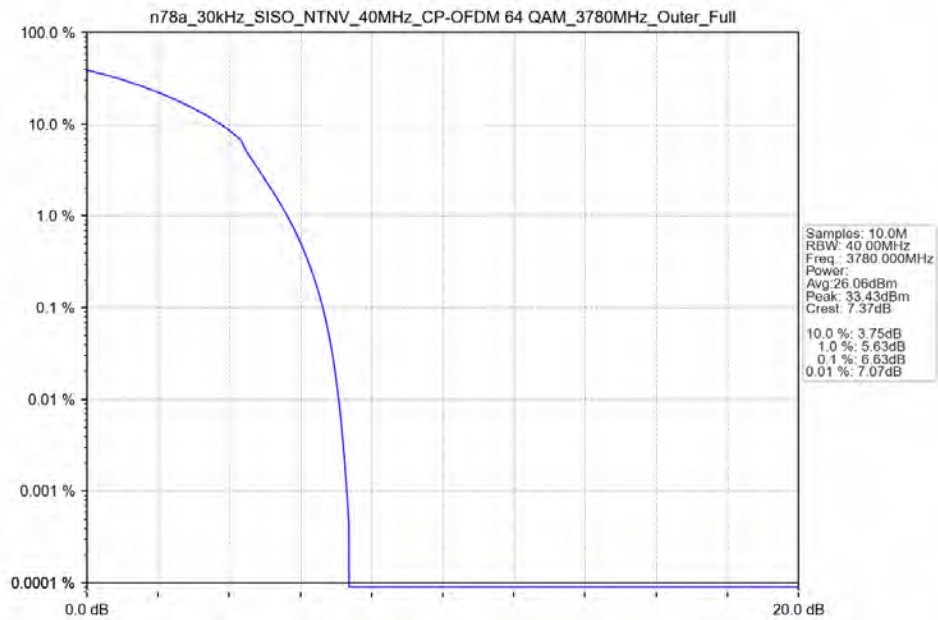
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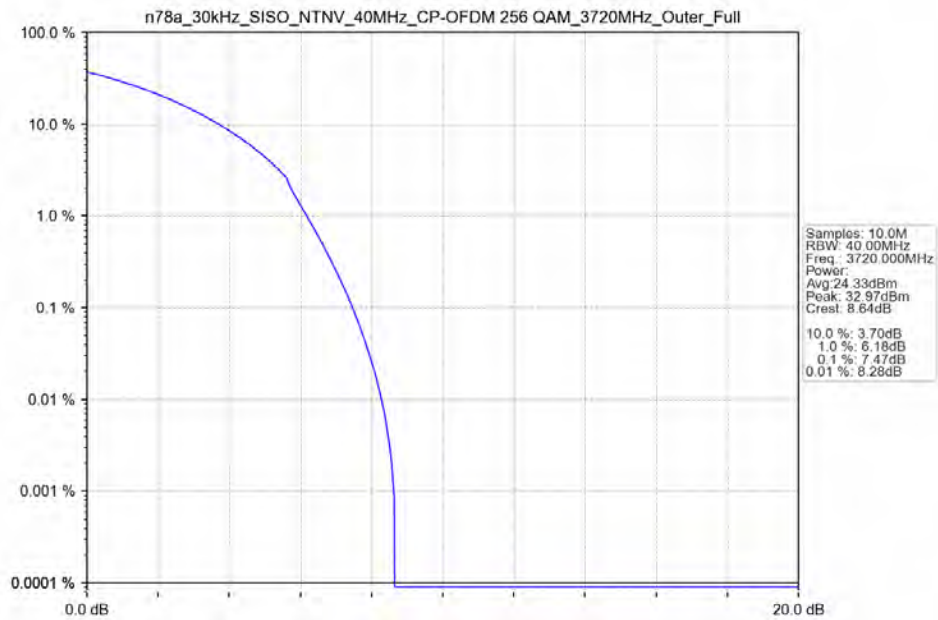
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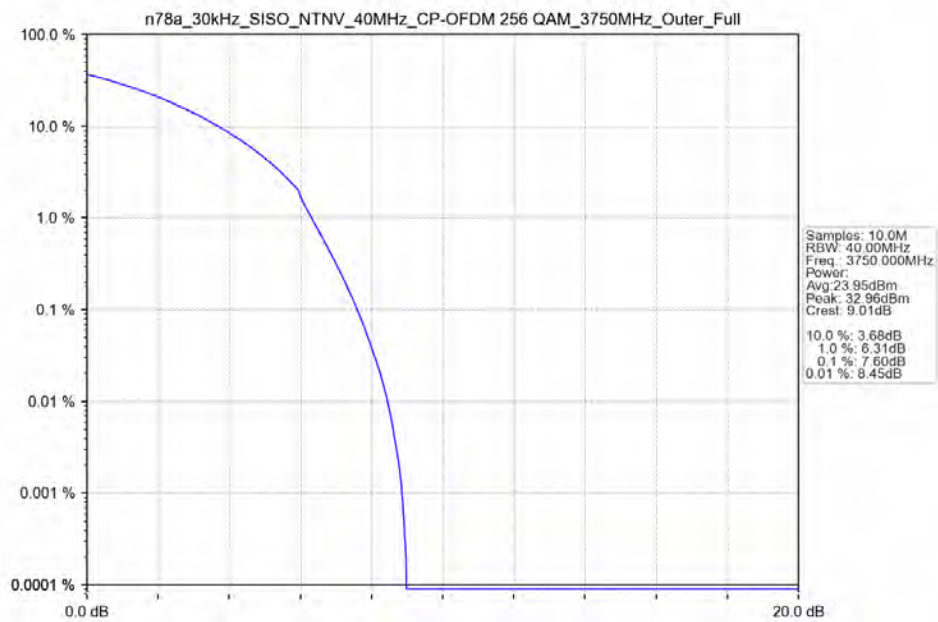
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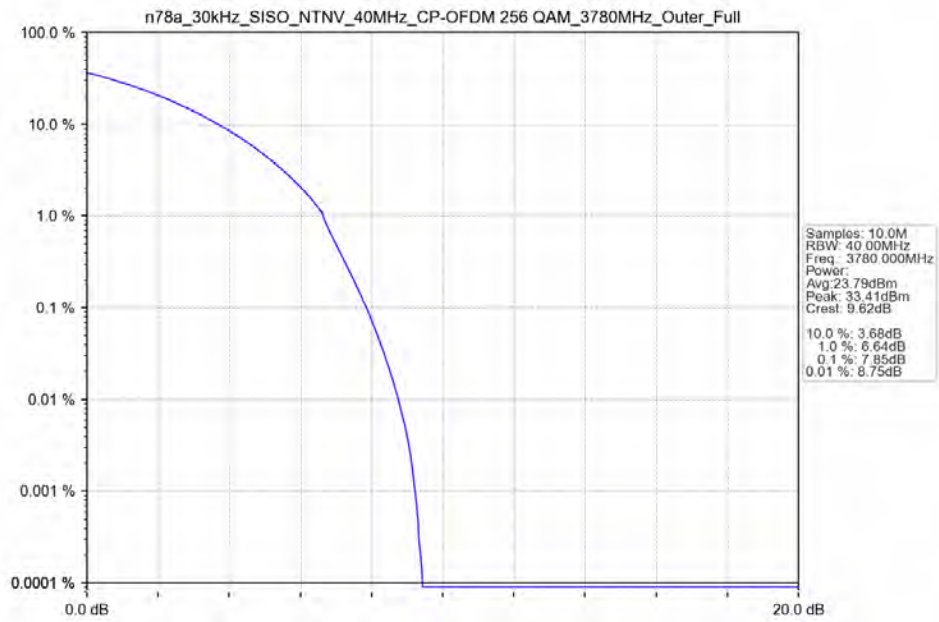
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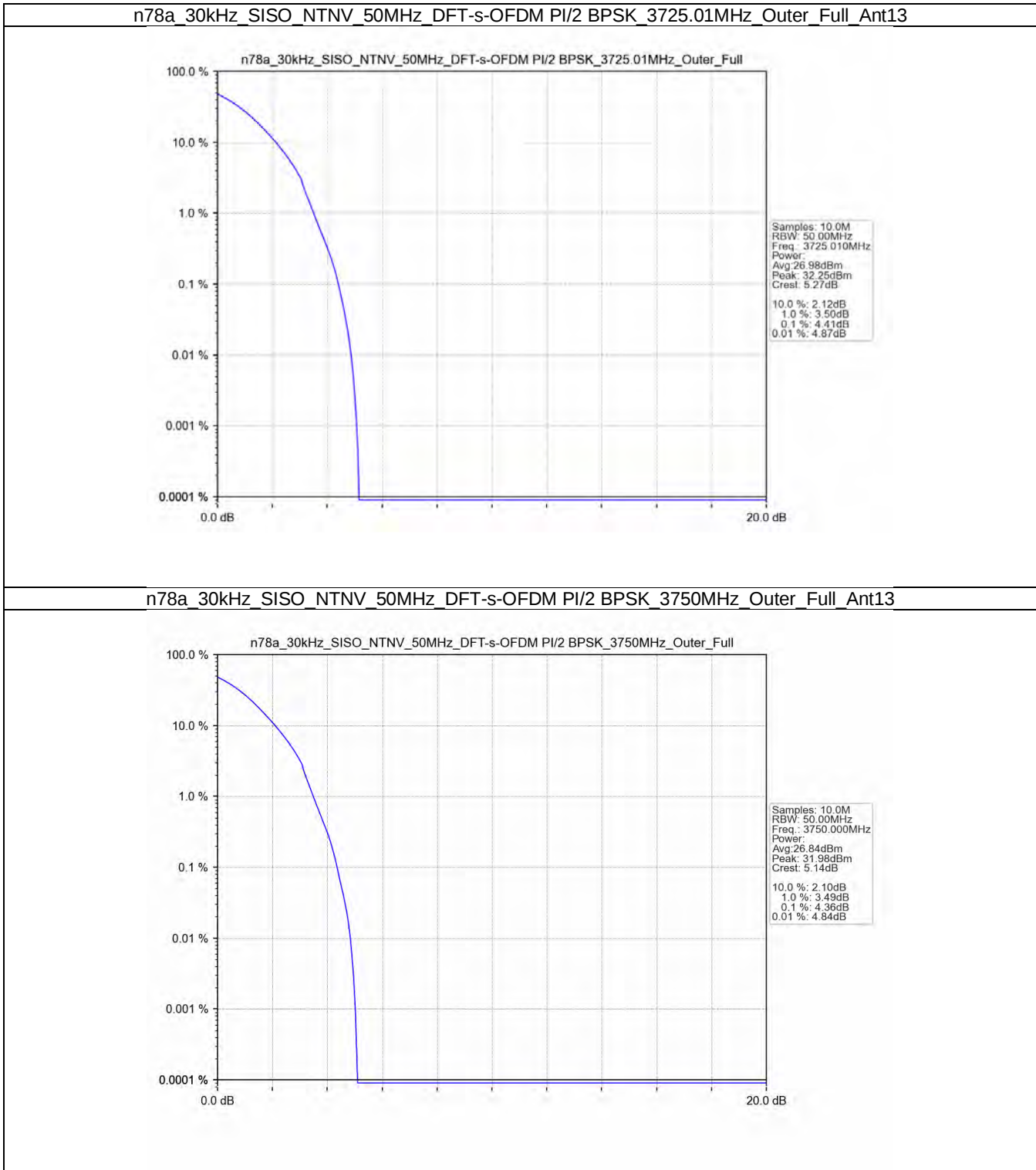
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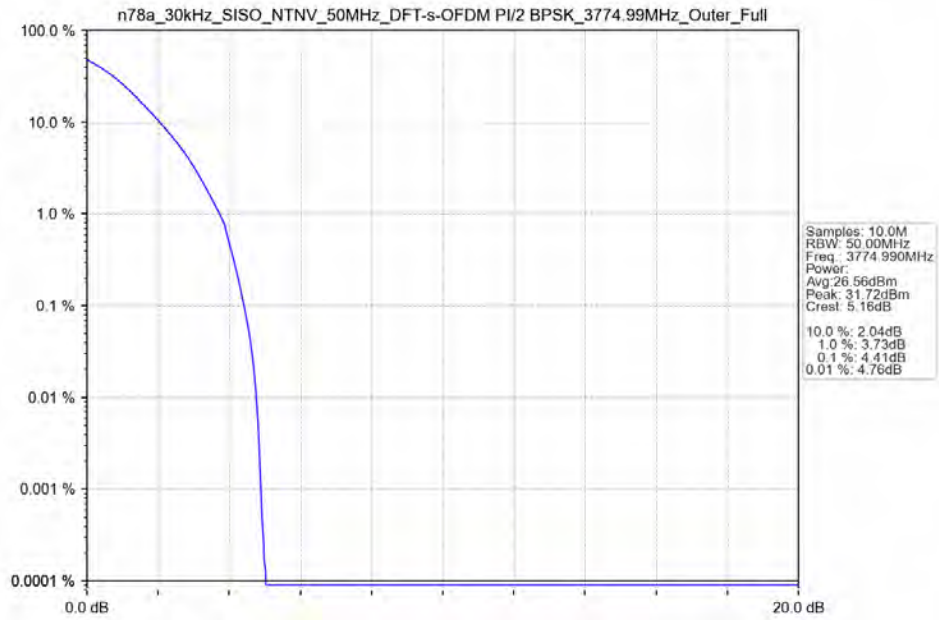
n78a 30kHz SISO NTN 40MHz CP-OFDM 256 QAM 3780MHz Outer Full Ant13



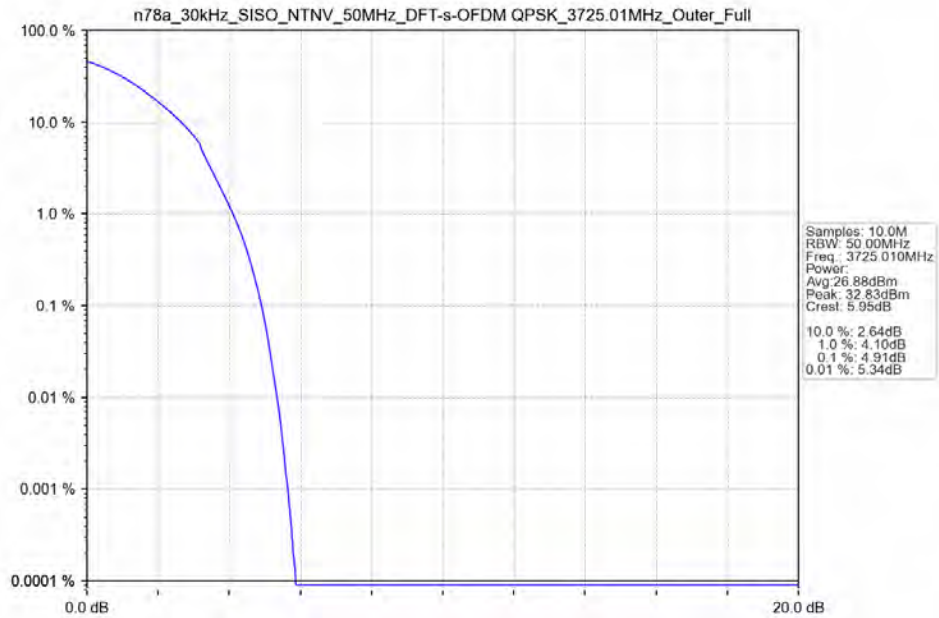
4.2.6 30k_SISO_50MHz_NTNV



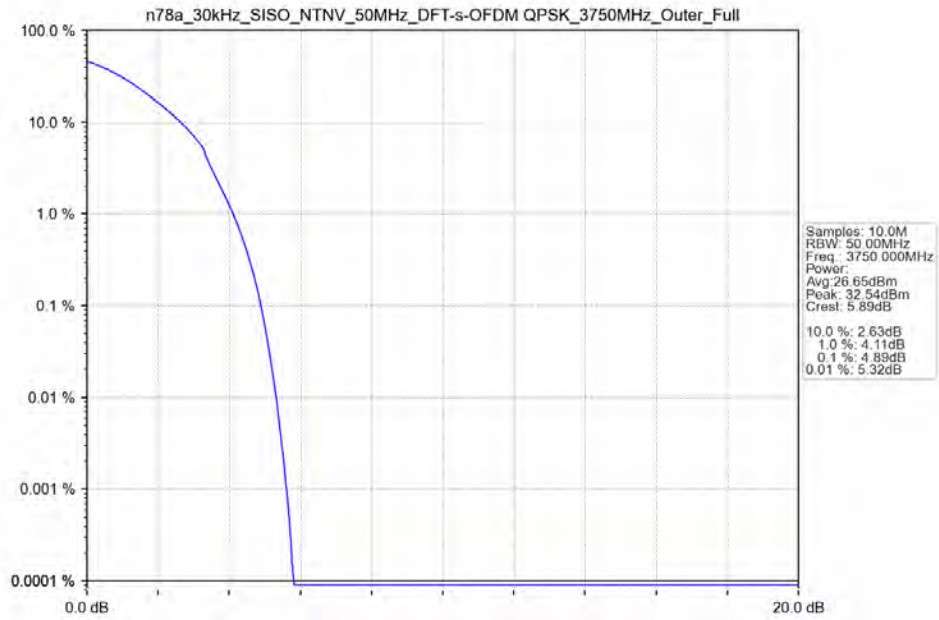
n78a 30kHz SISO NTN 50MHz DFT-s-OFDM PI/2 BPSK 3774.99MHz Outer Full Ant13



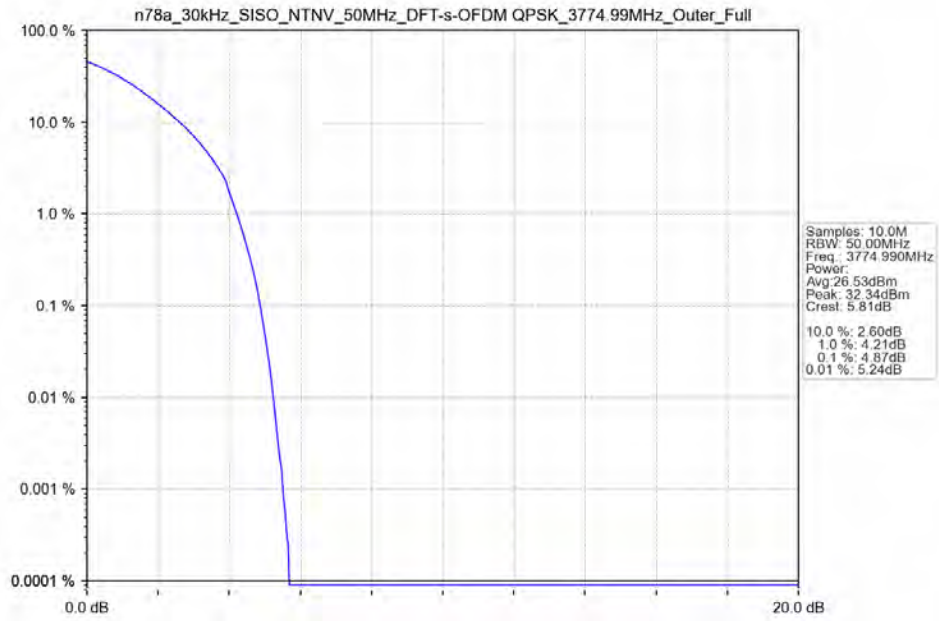
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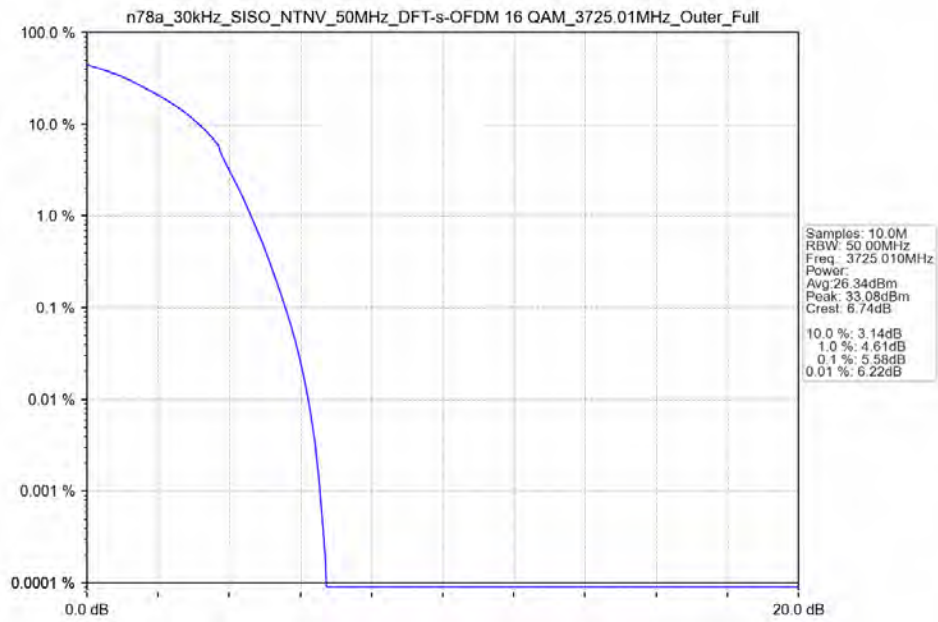
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n78a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3774.99MHz_Outer_Full_Ant13



n78a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3725.01MHz_Outer_Full_Ant13



n78a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3750MHz_Outer_Full_Ant13

