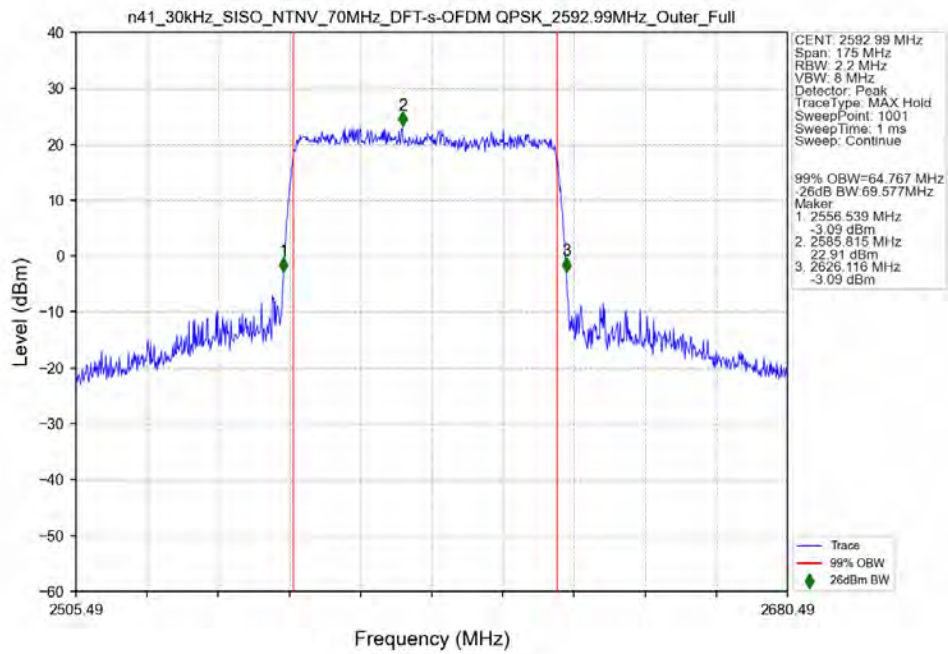
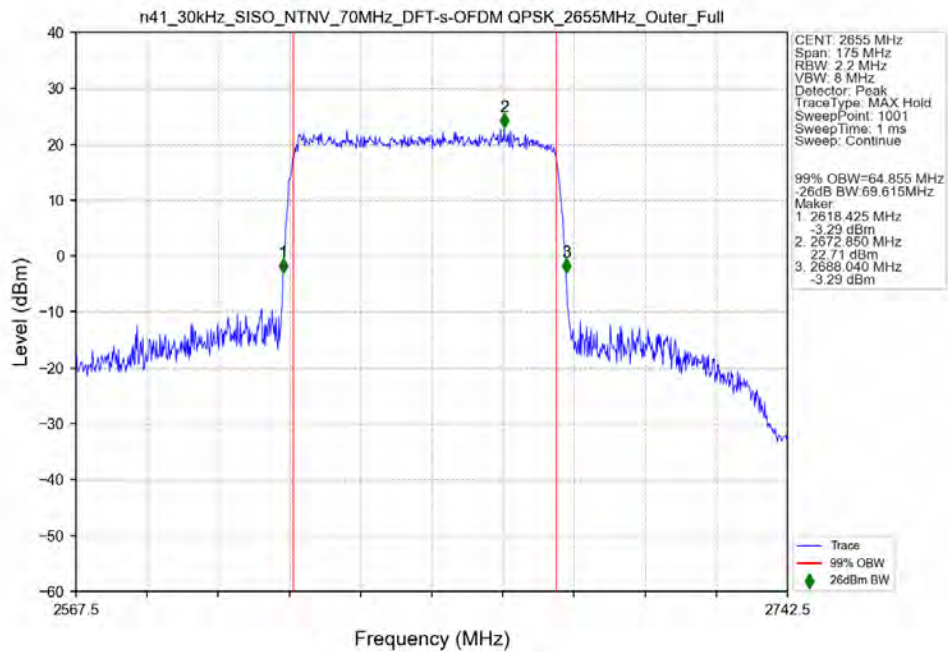


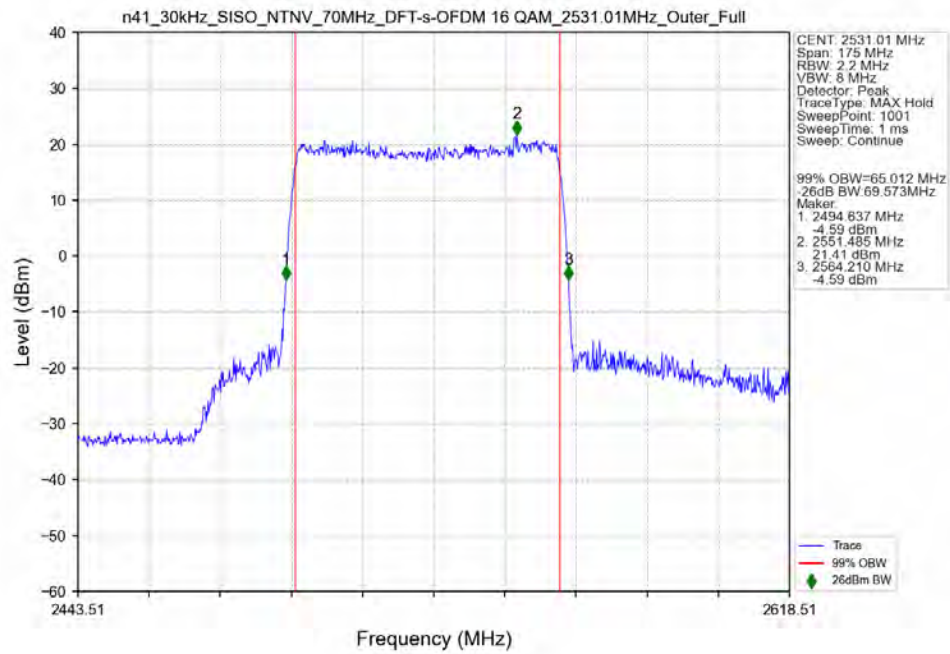
n41_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_QPSK_2592.99MHz_Outer_Full_Ant41



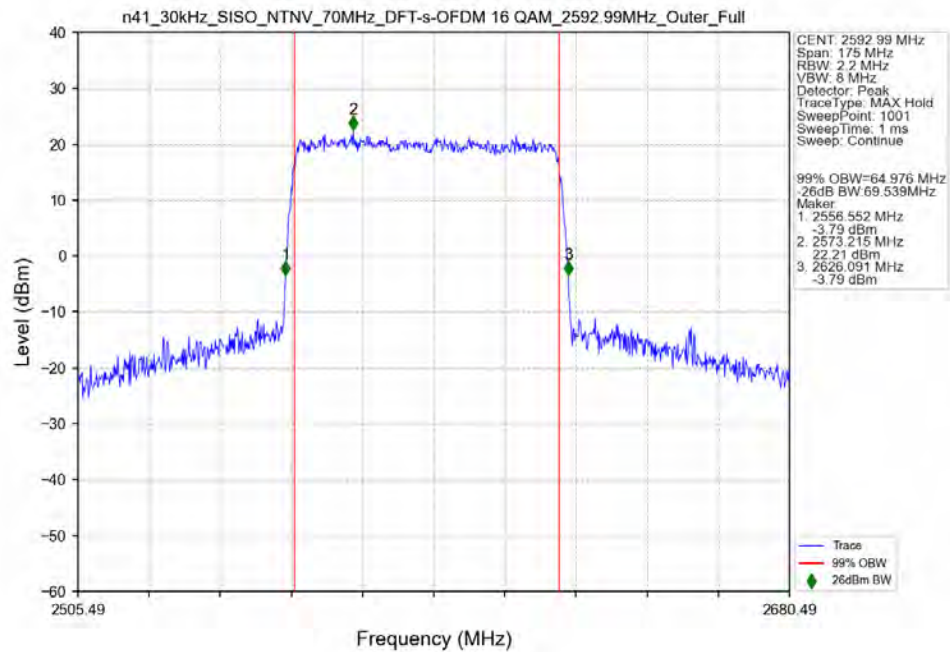
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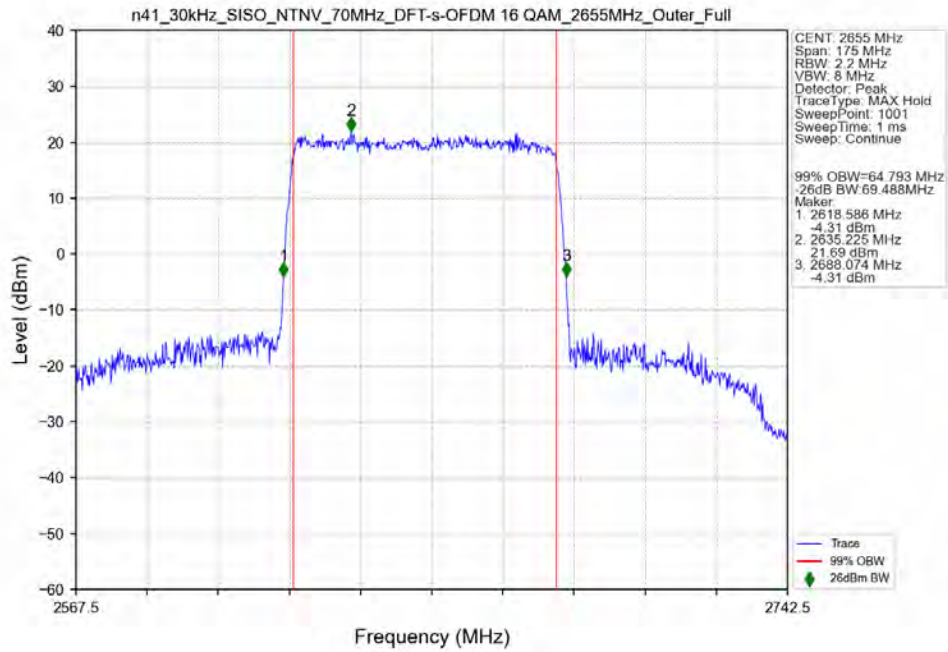
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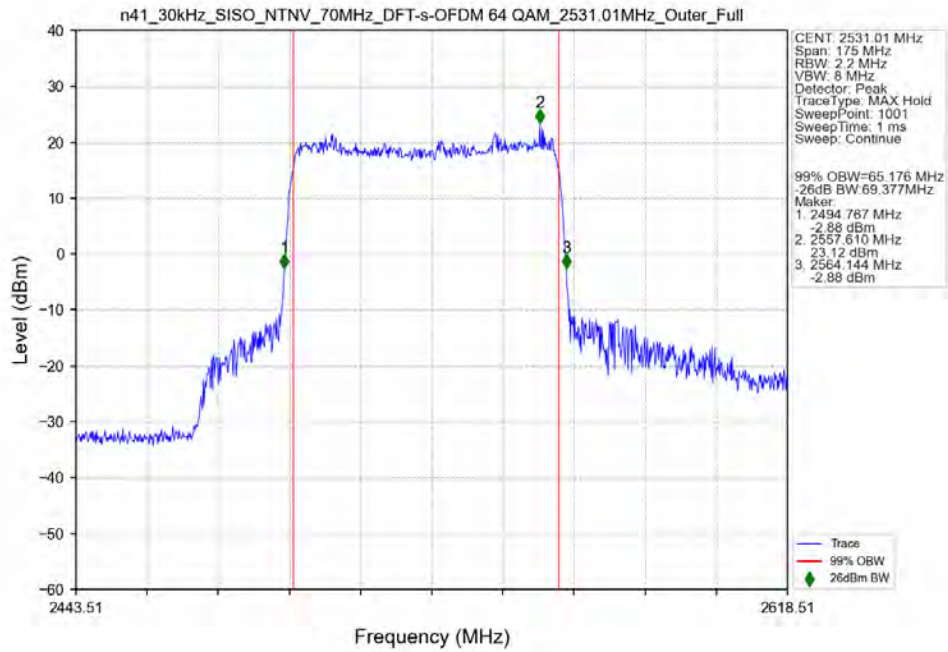
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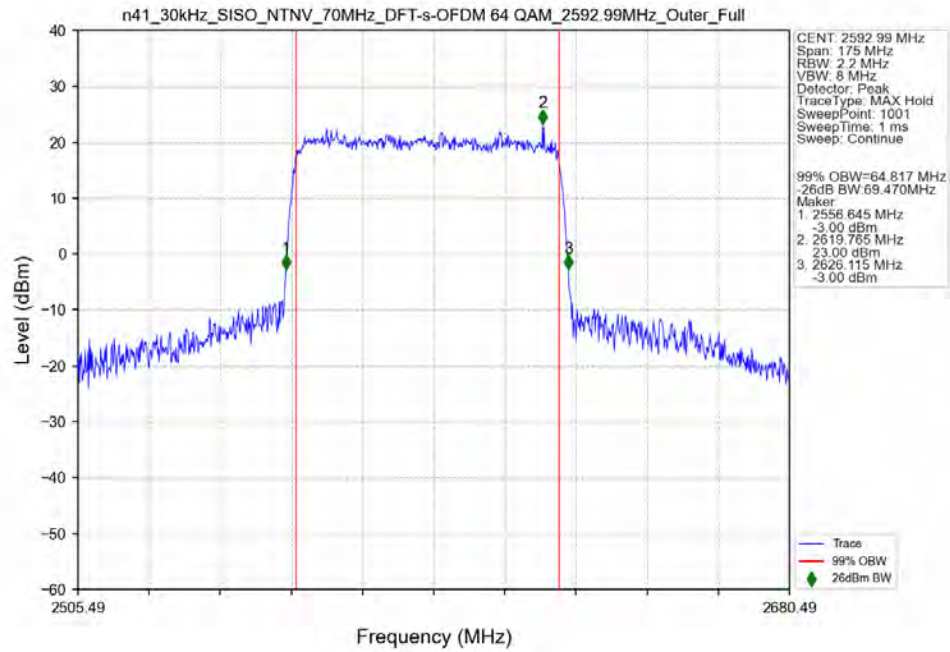
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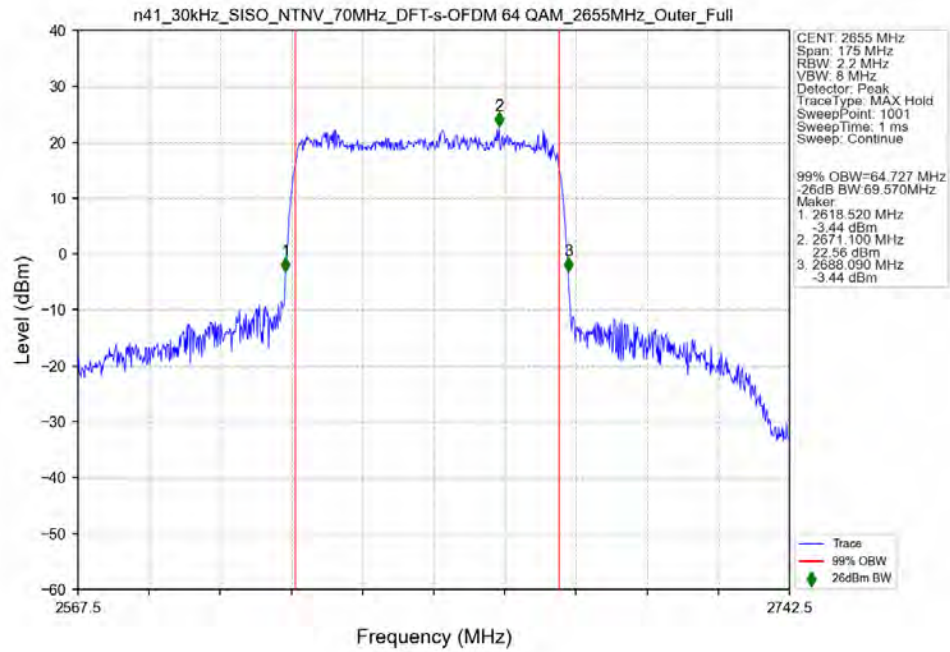
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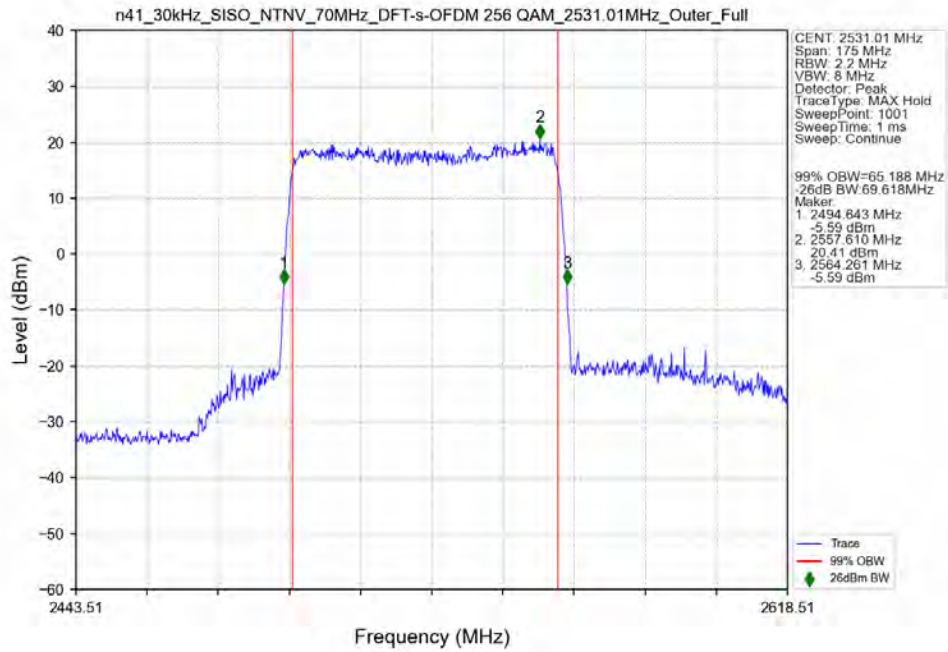
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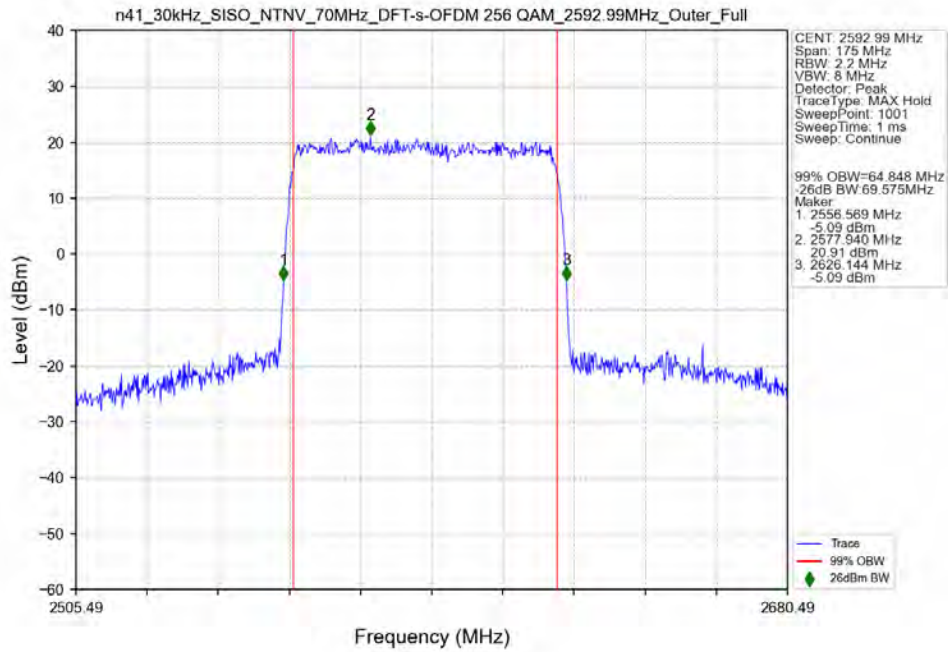
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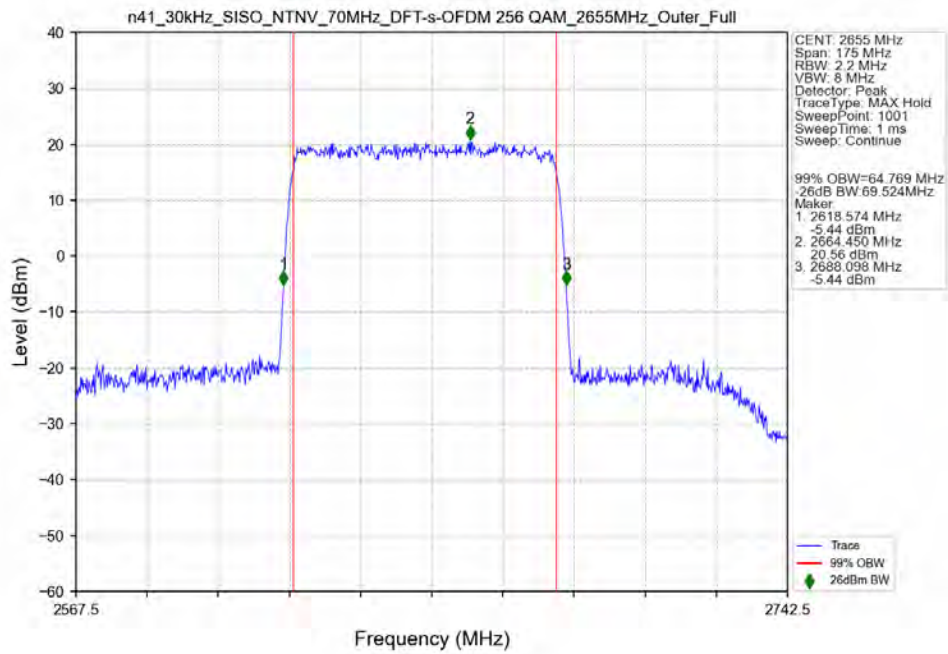
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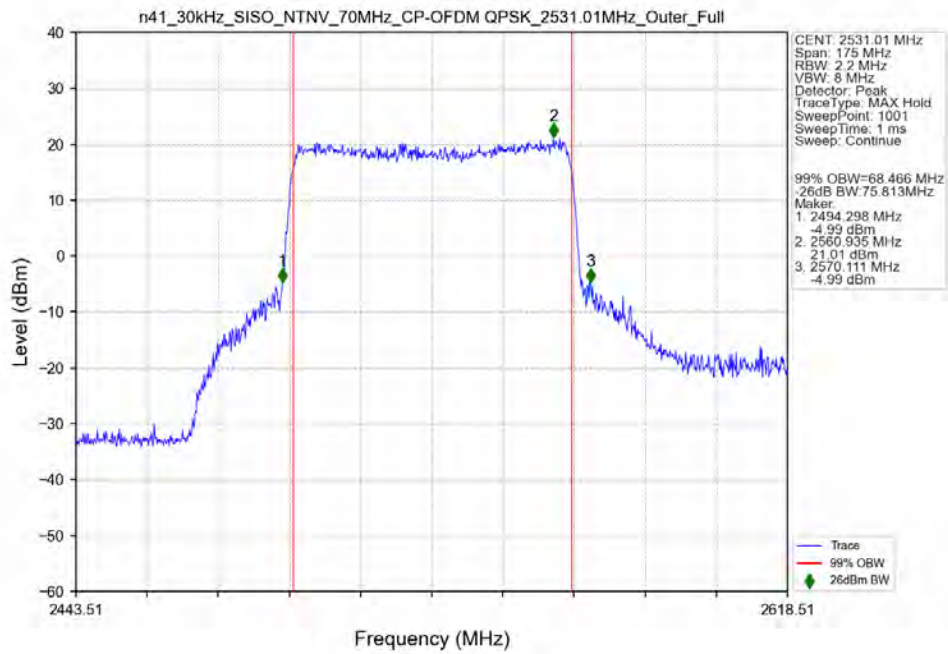
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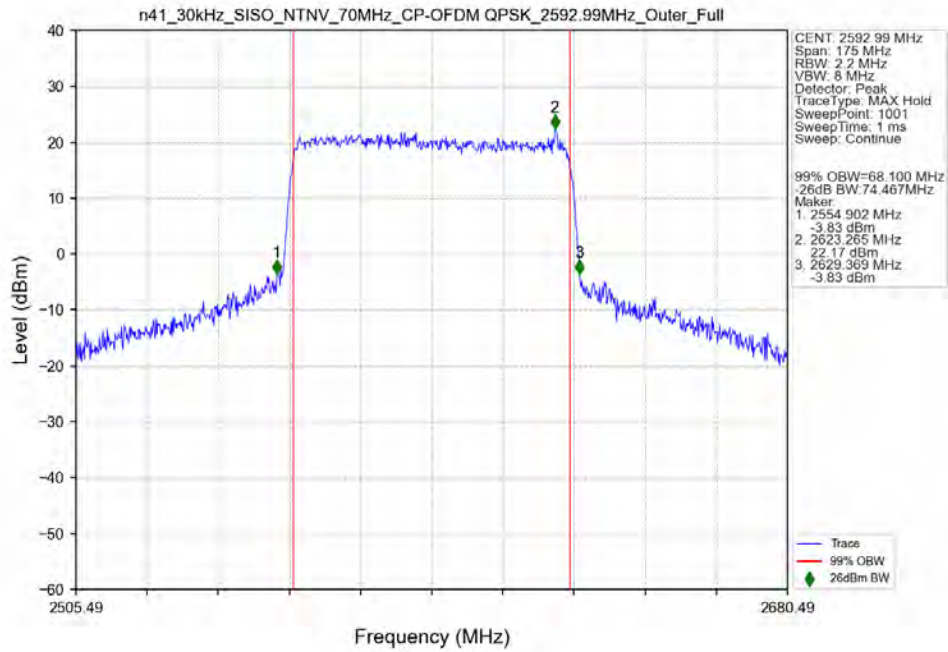
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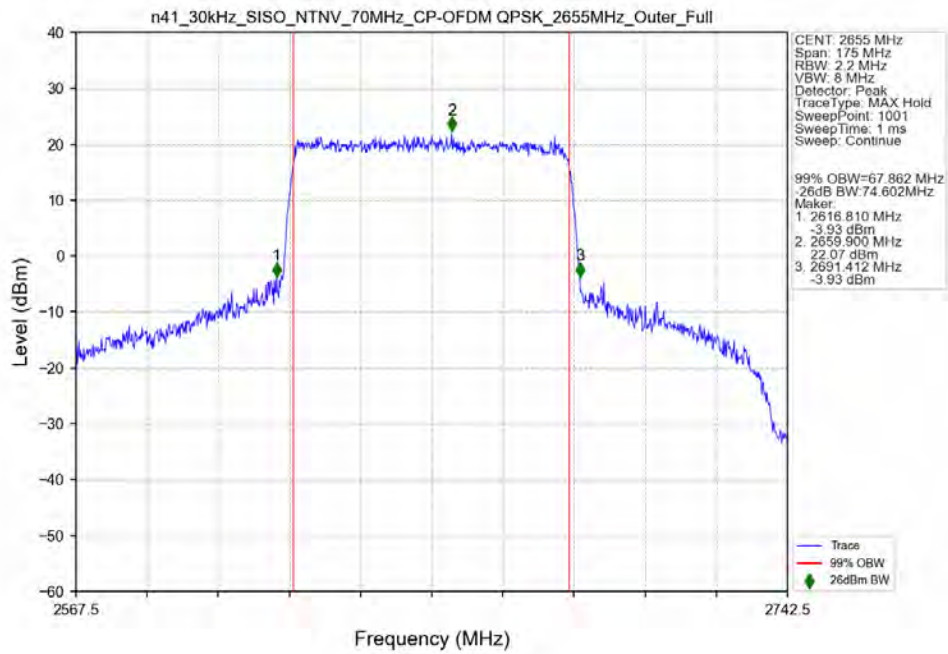
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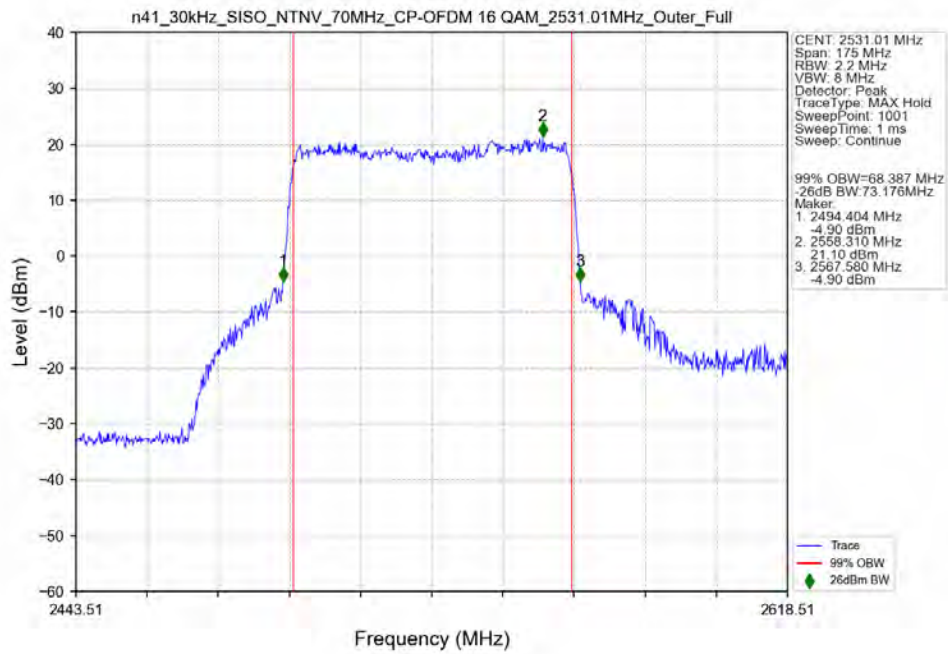
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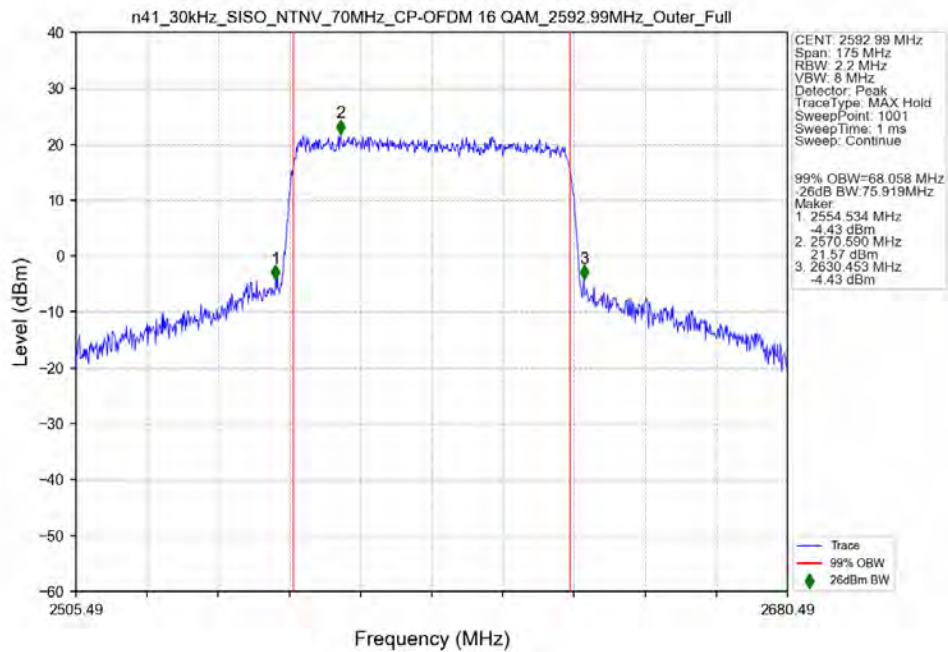
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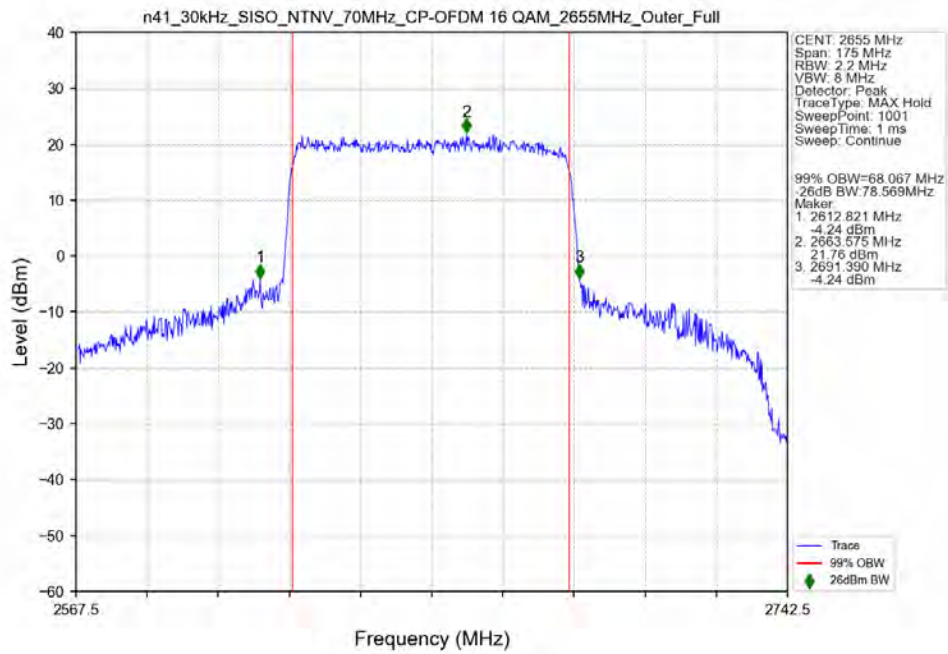
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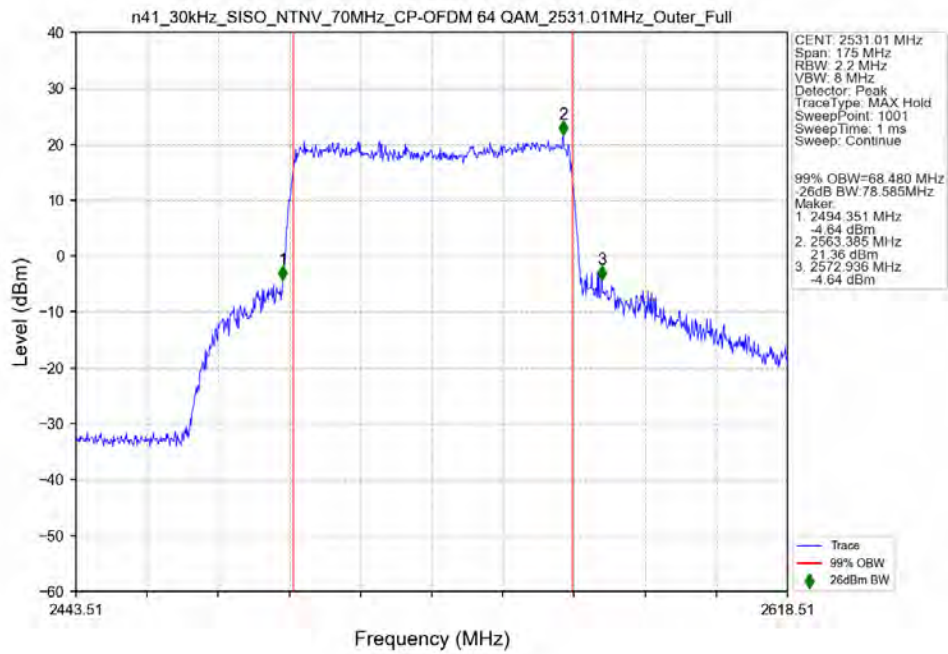
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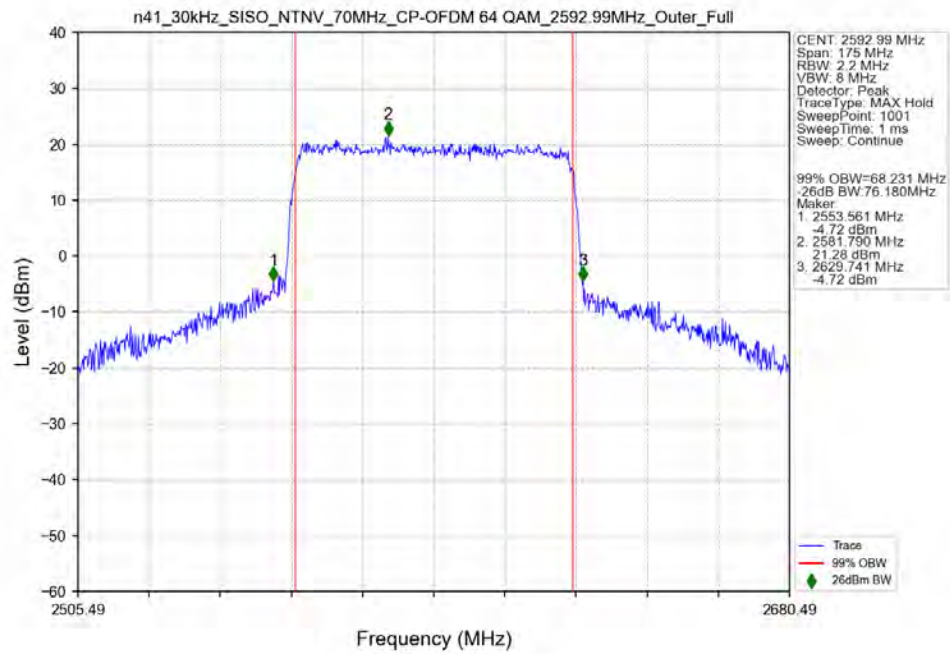
n41_30kHz_SISO_NTNV_70MHz_CP-OFDM 16 QAM 2655MHz_Outer_Full_Ant41



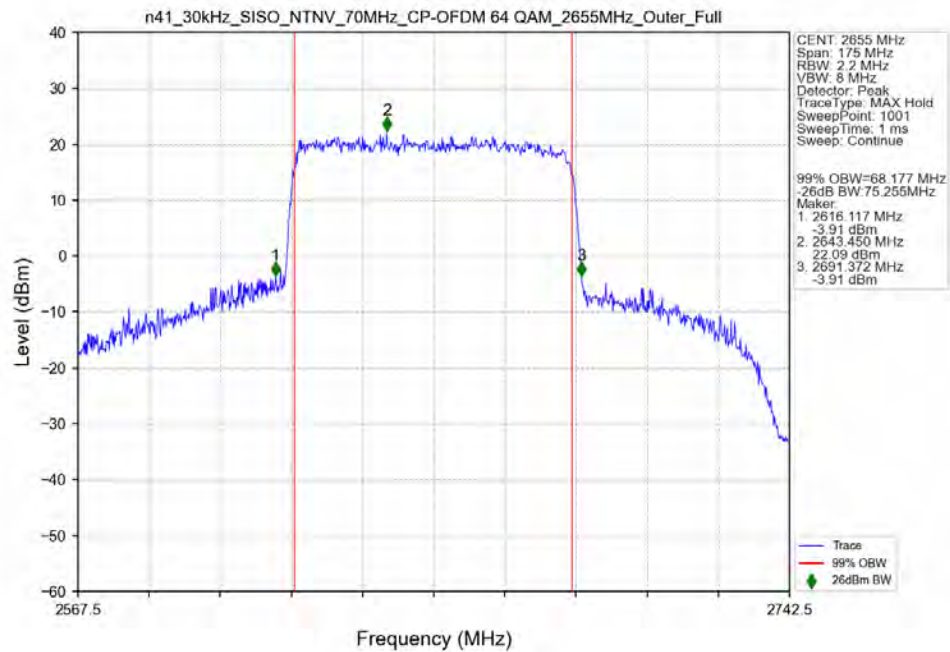
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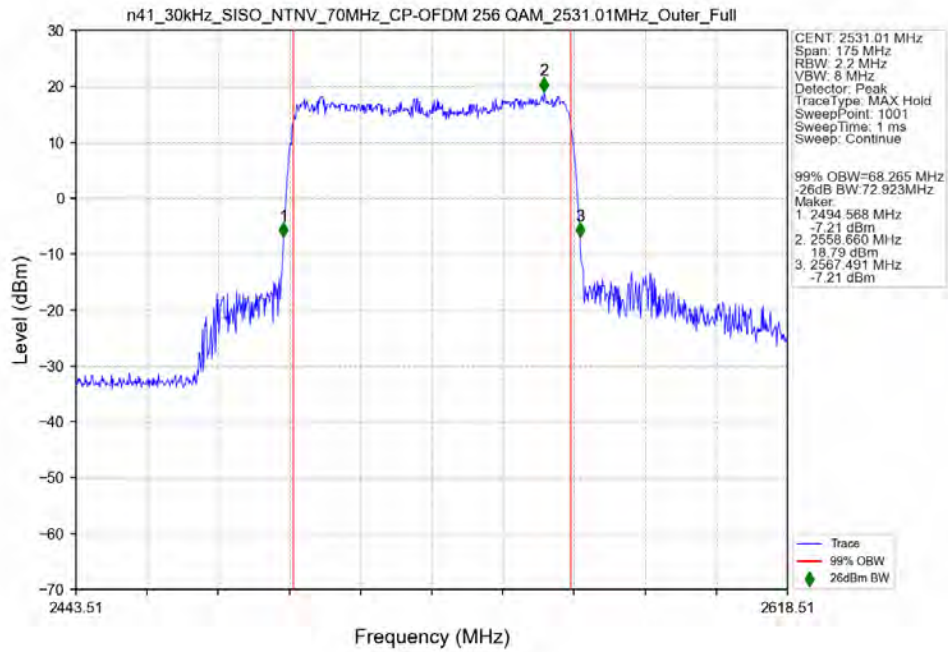
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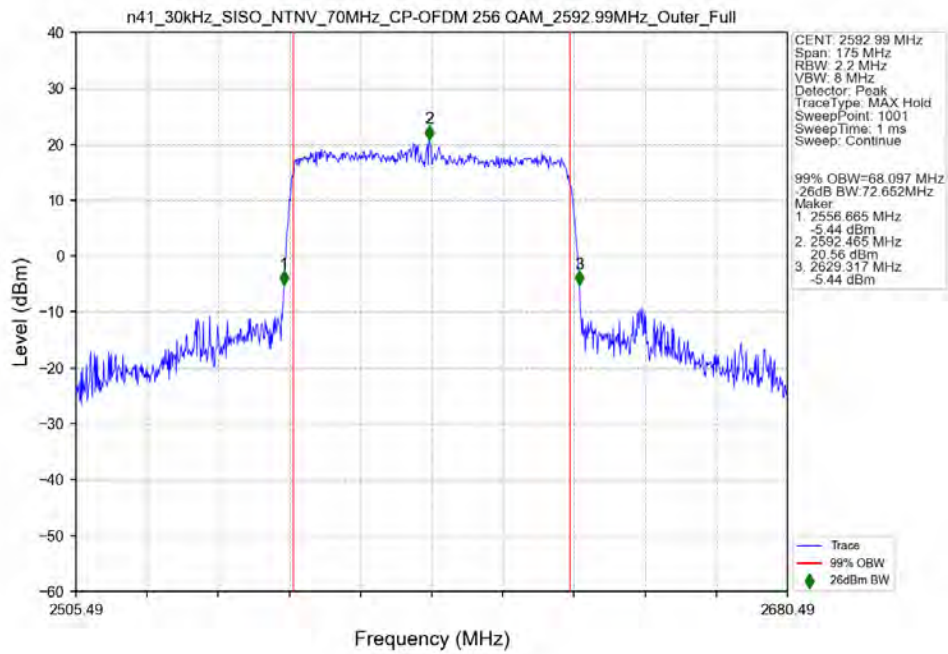
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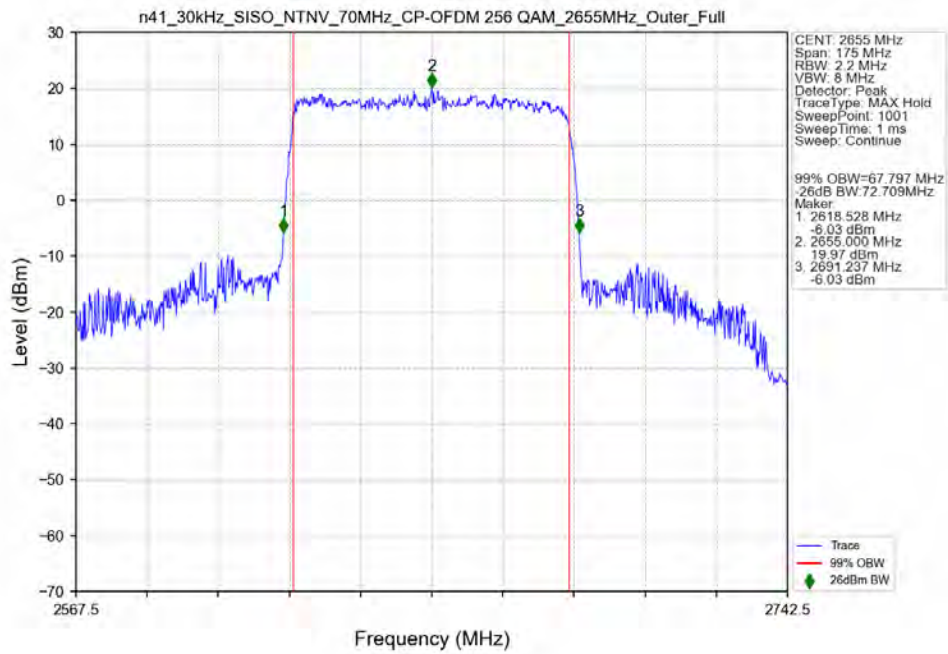
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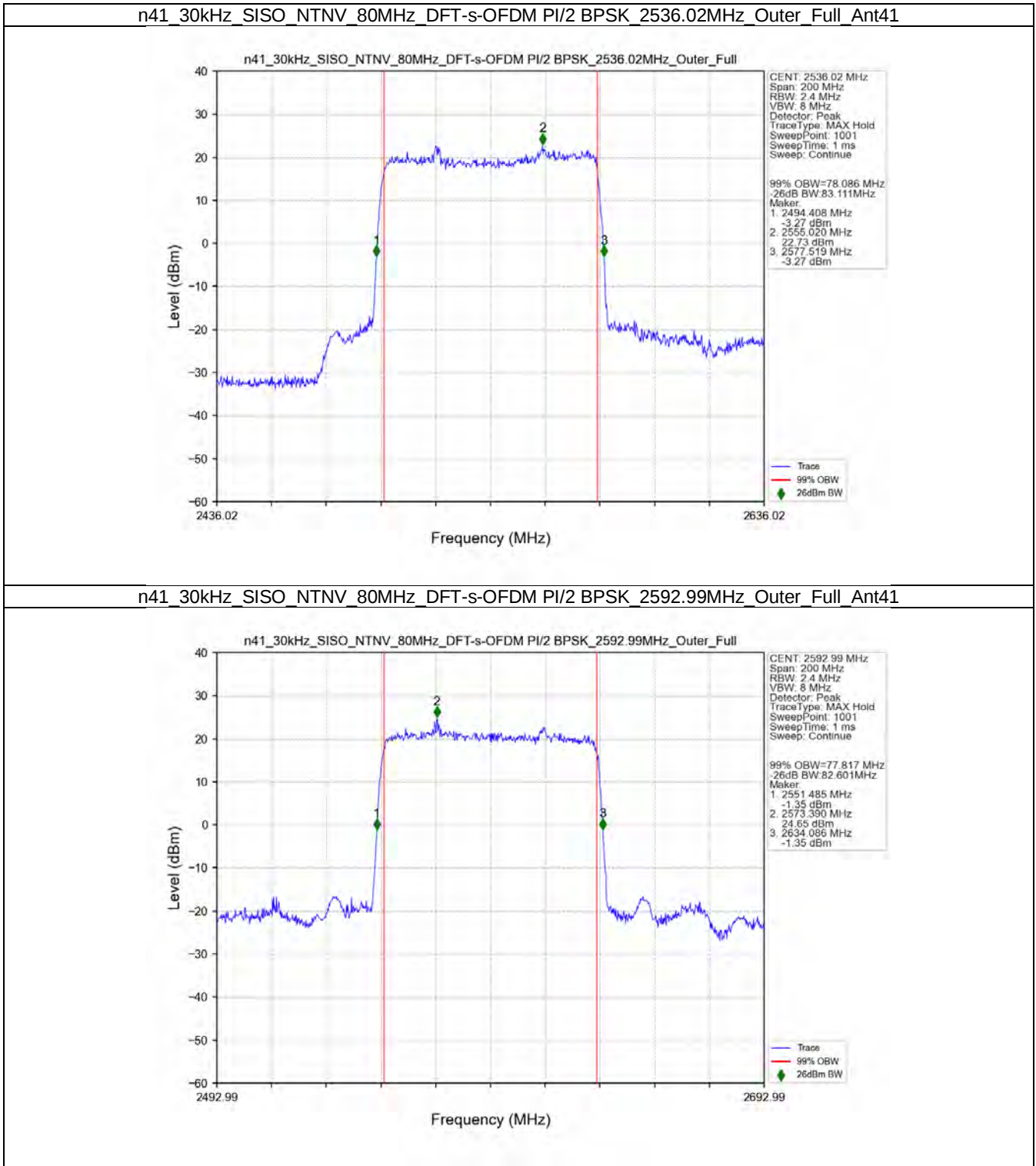
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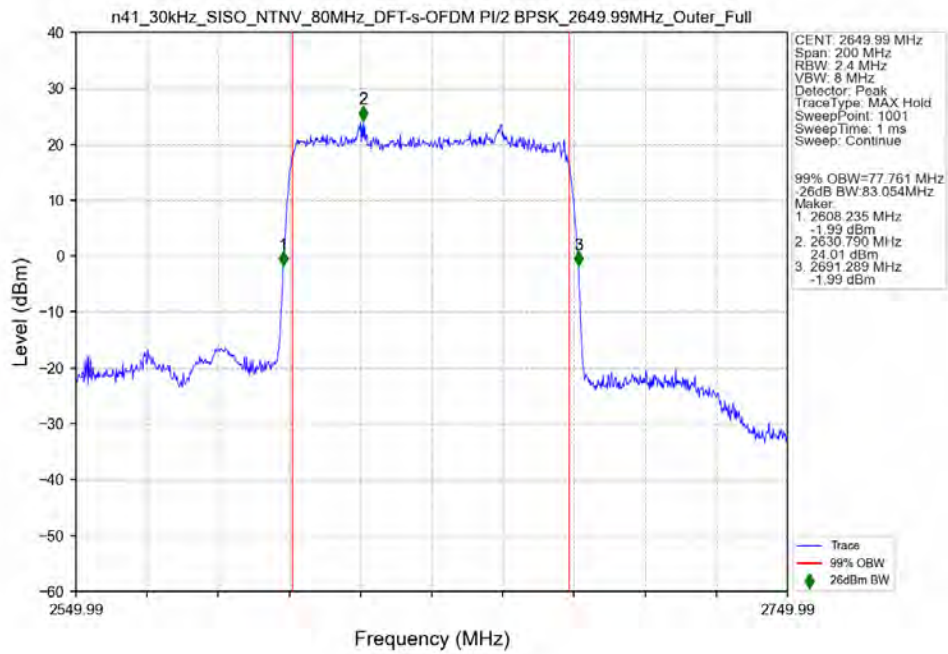
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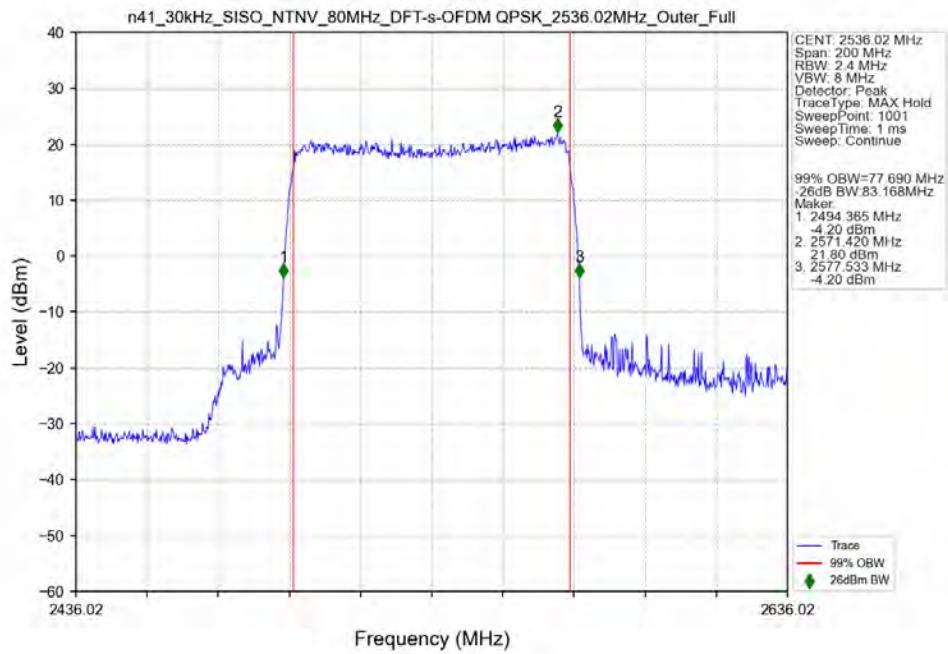
3.2.9 30k_SISO_80MHz_NTNV



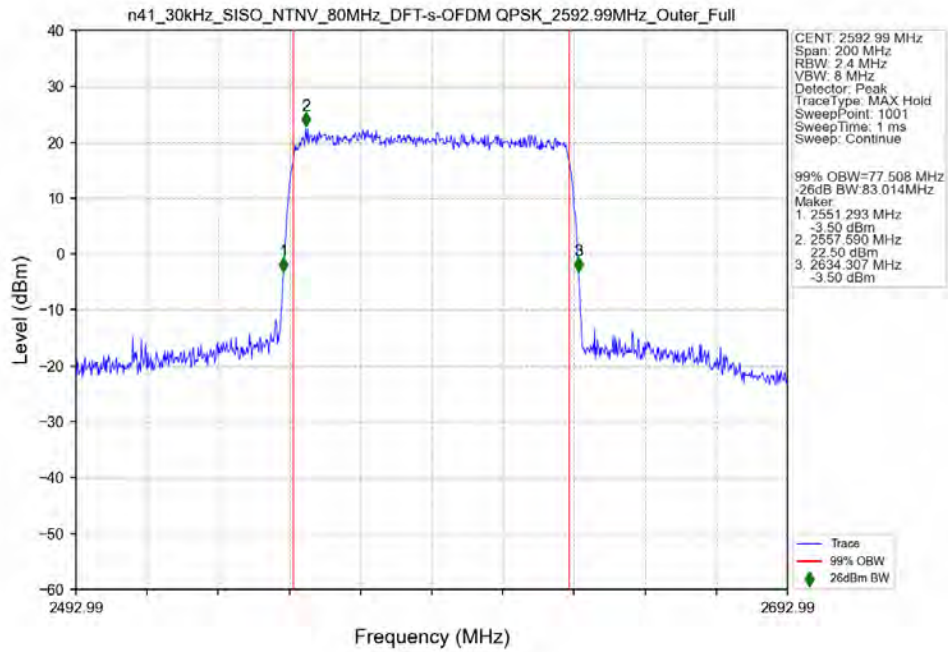
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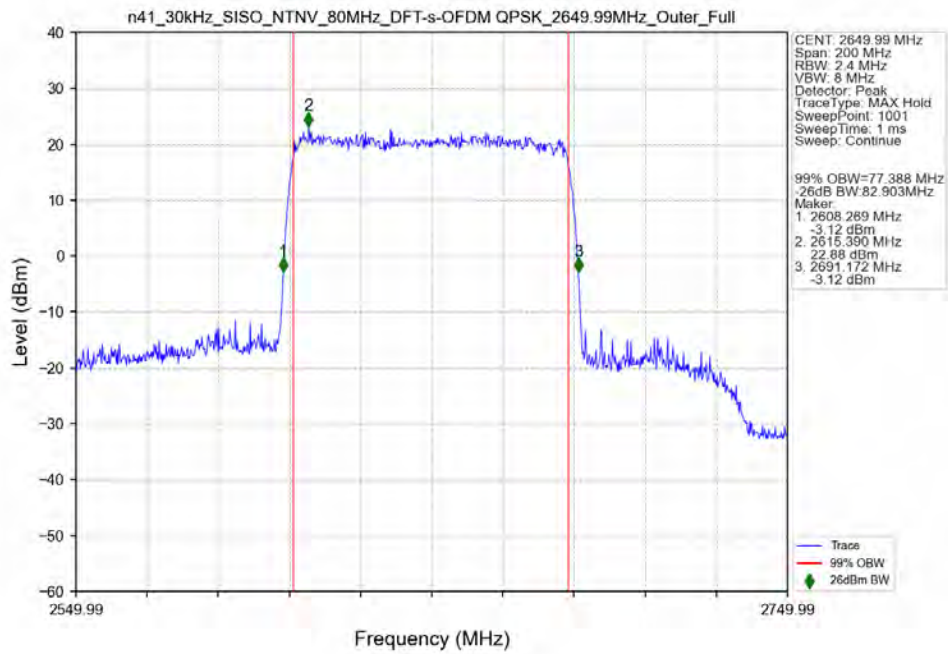
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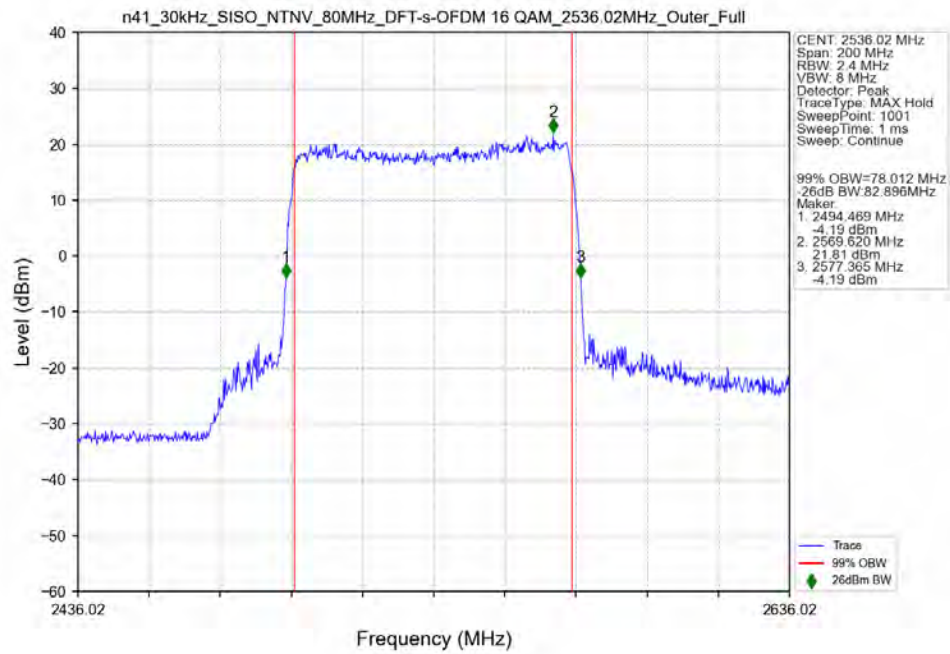
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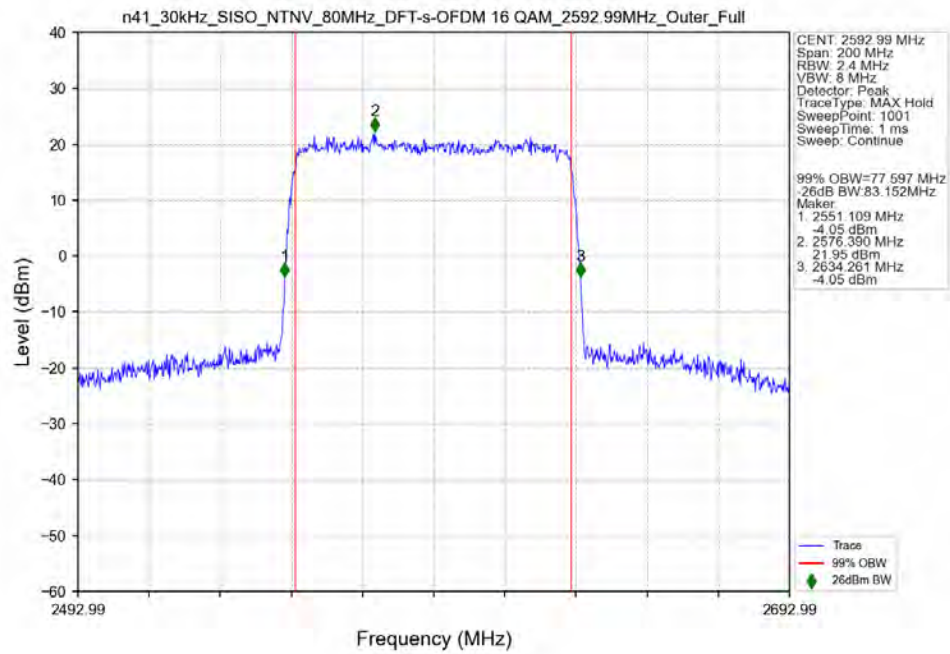
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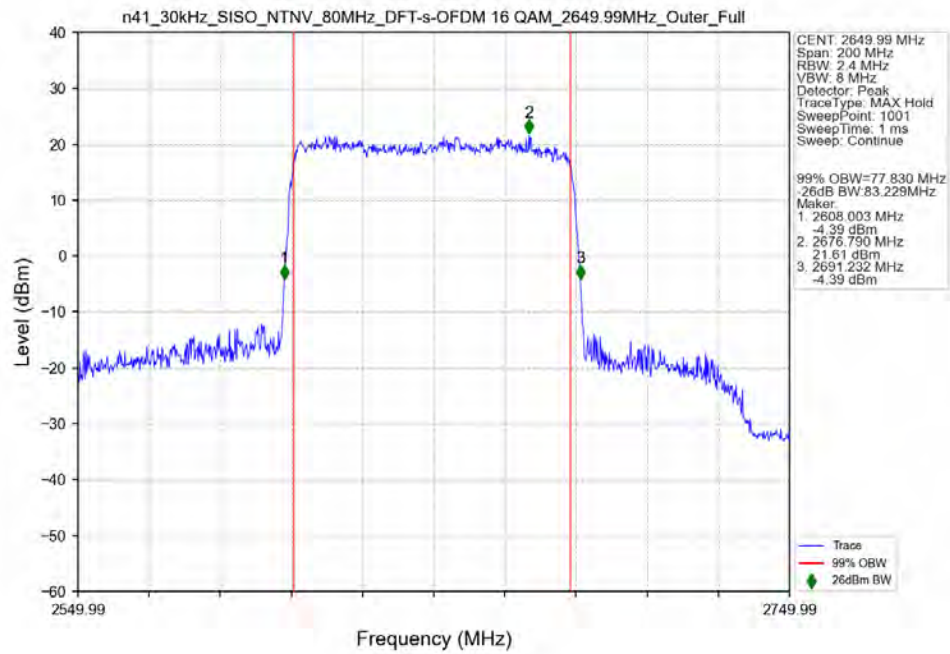
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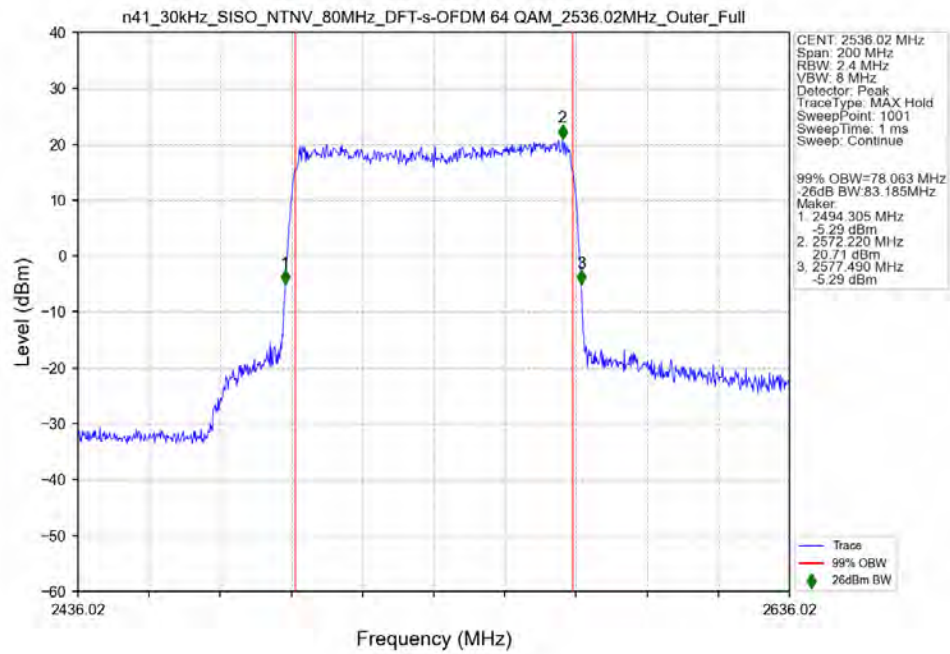
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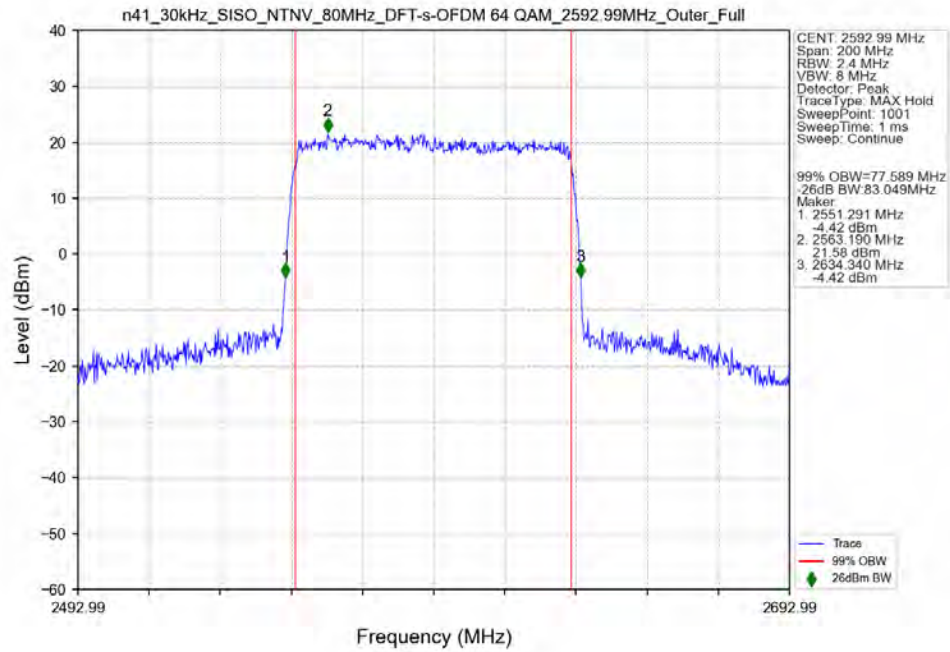
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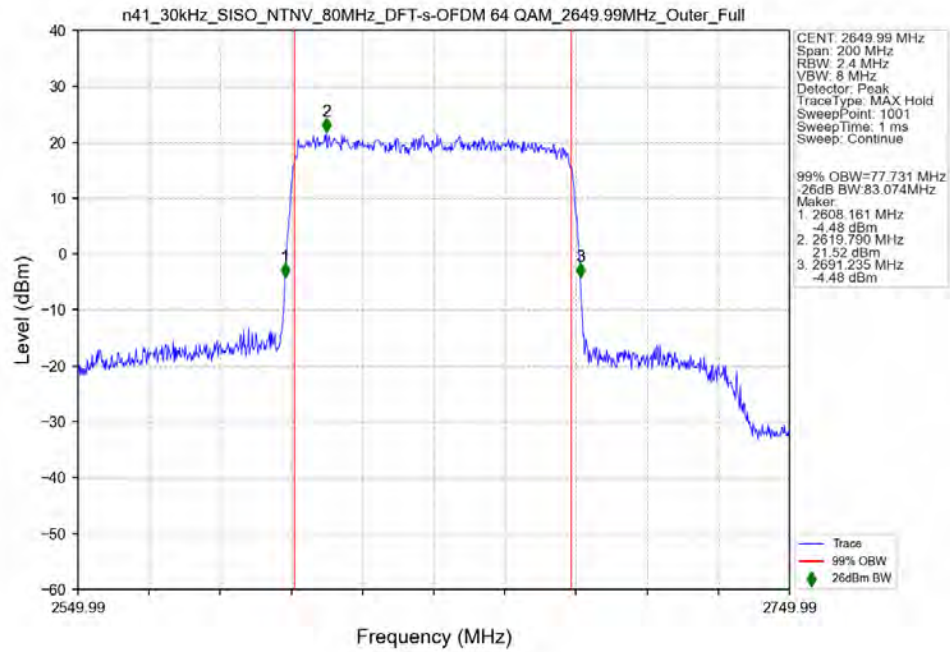
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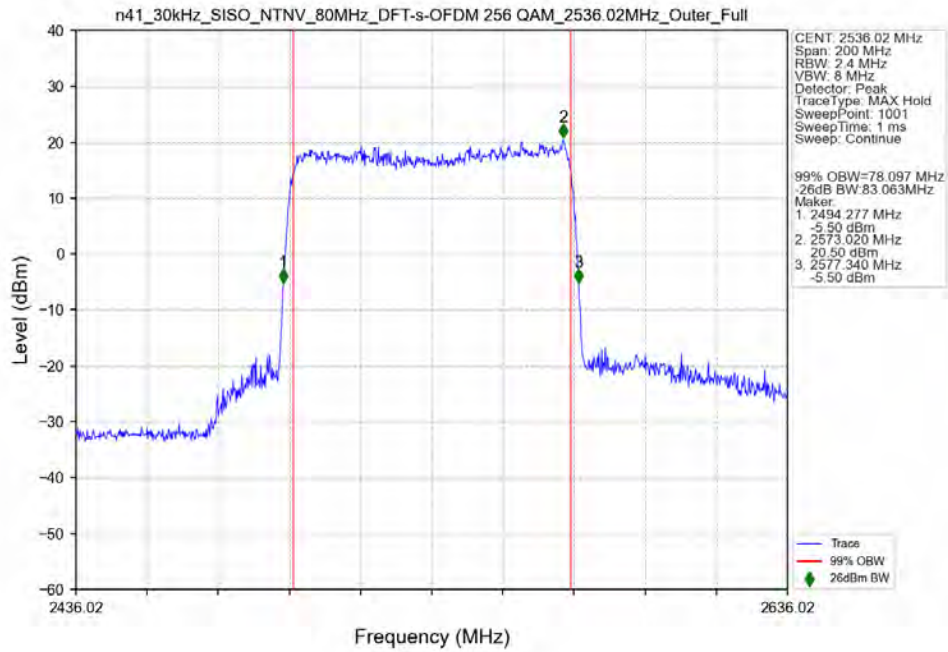
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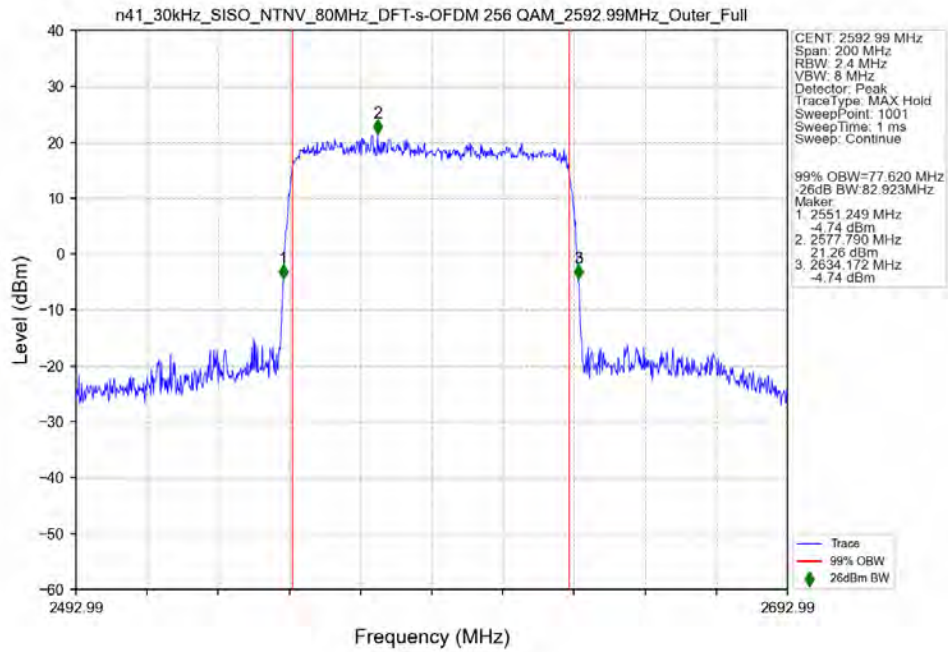
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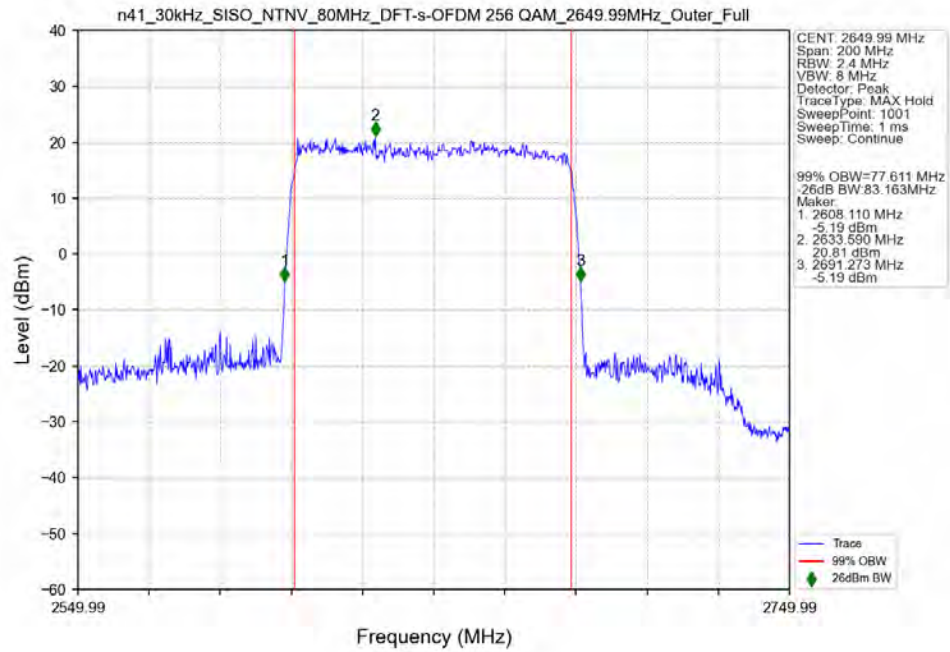
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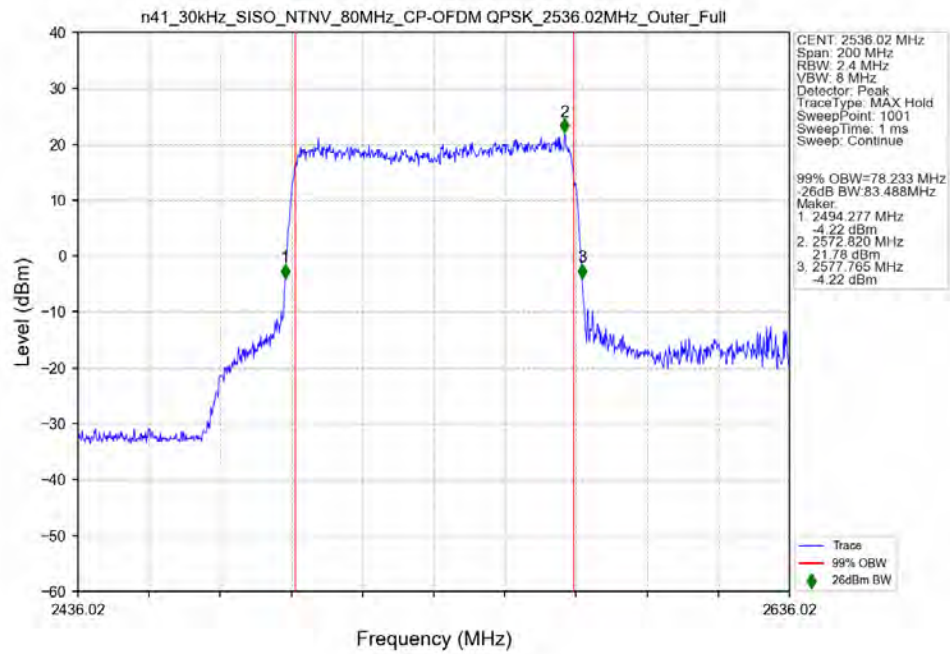
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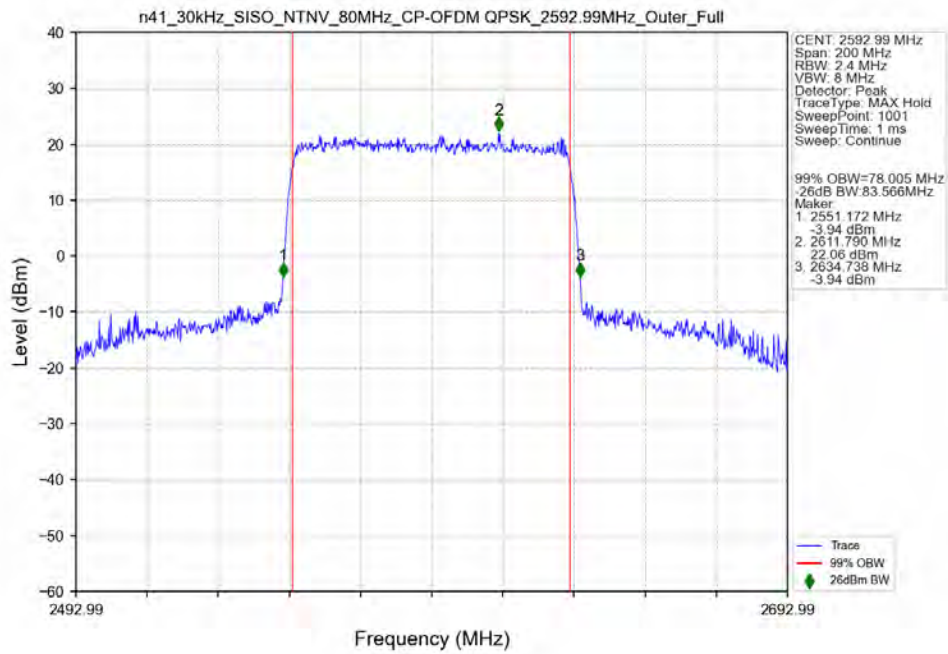
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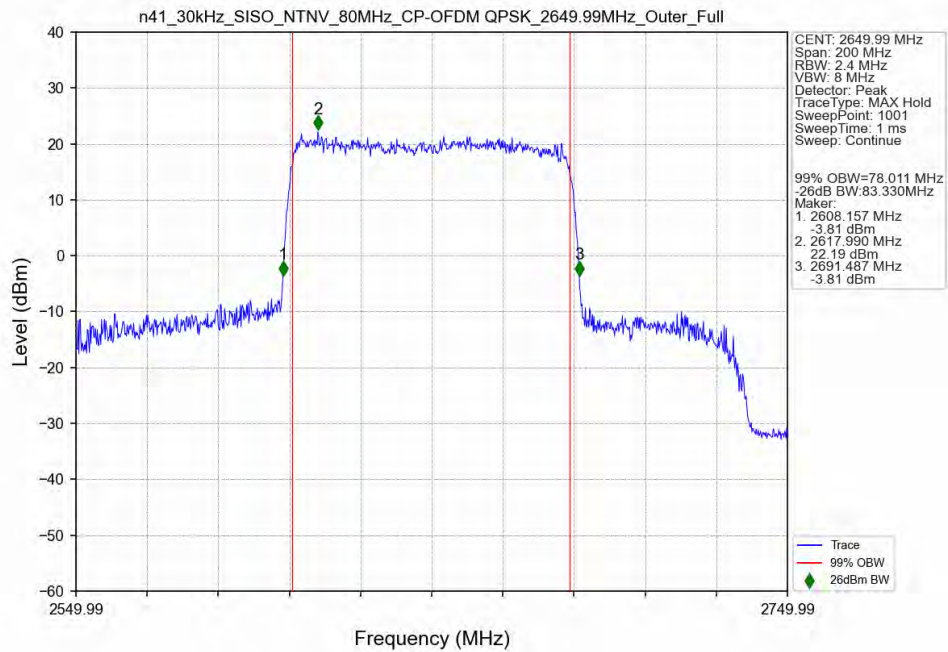
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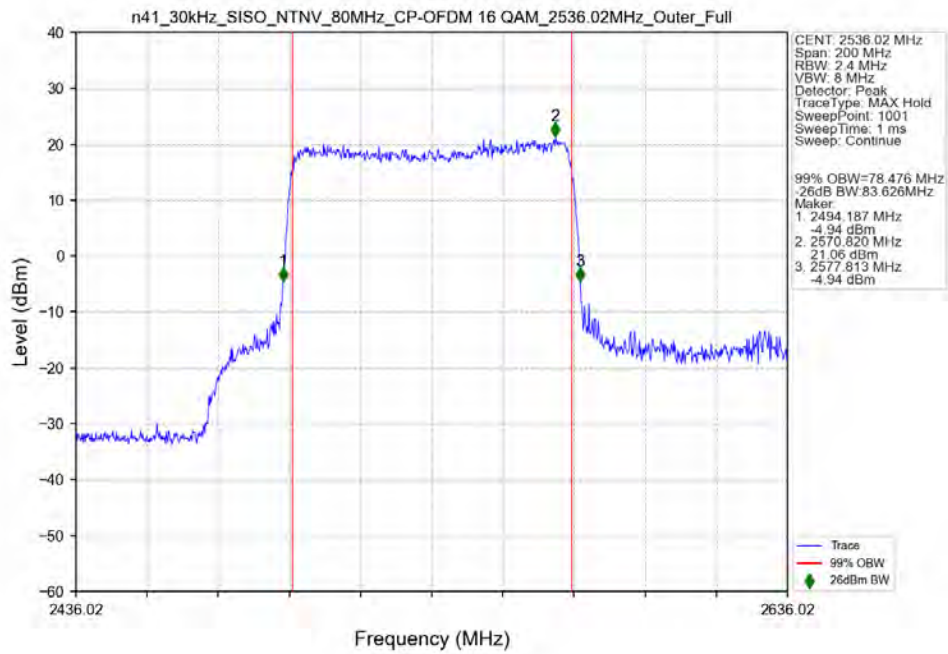
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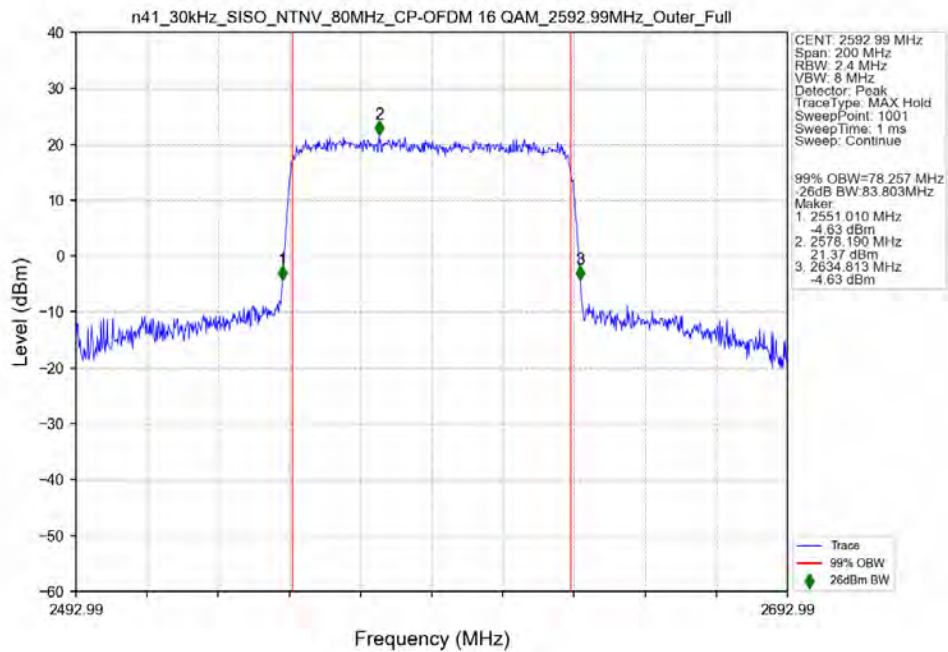
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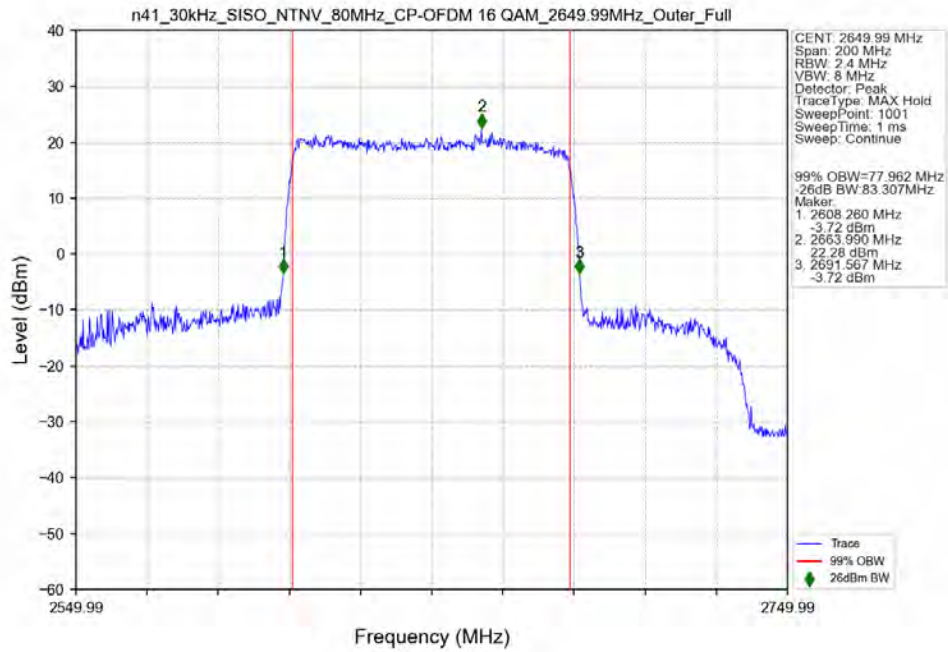
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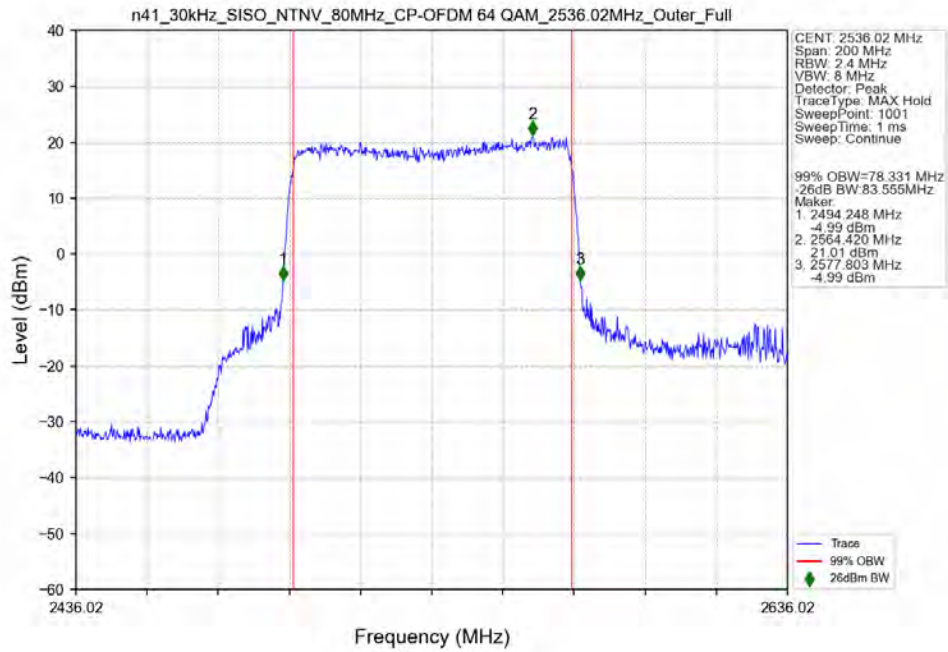
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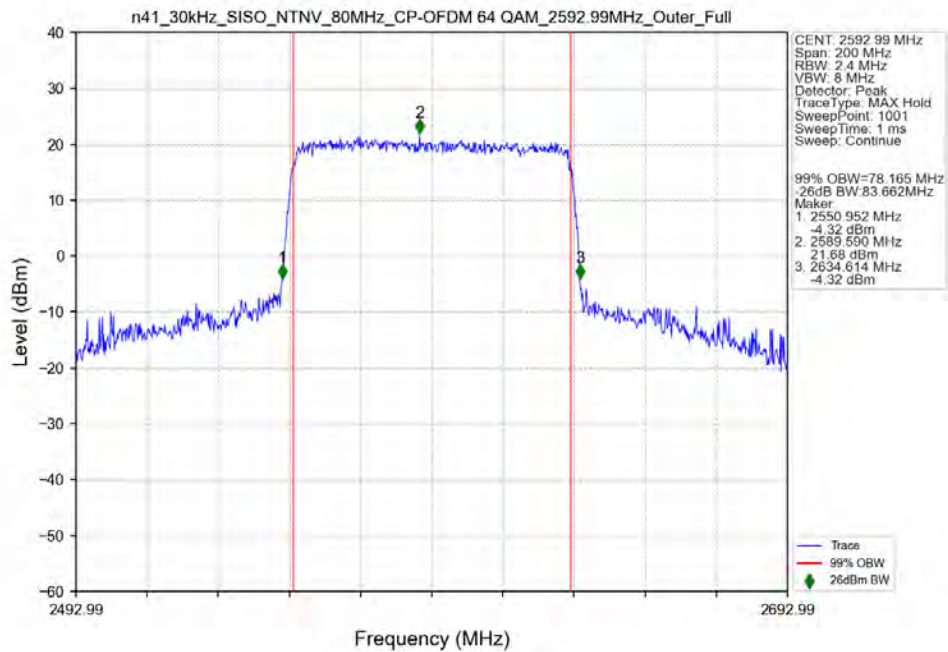
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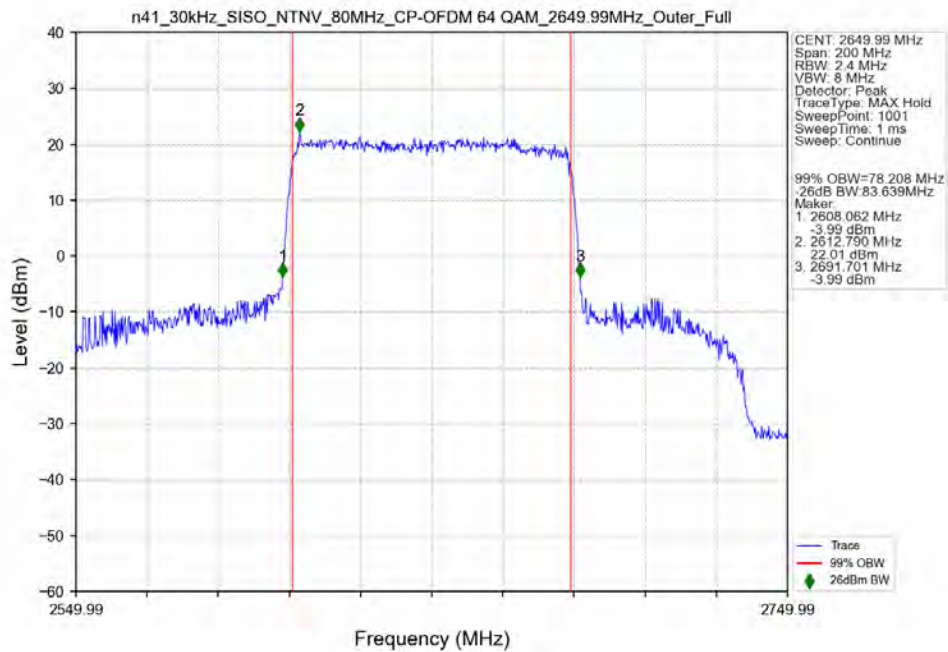
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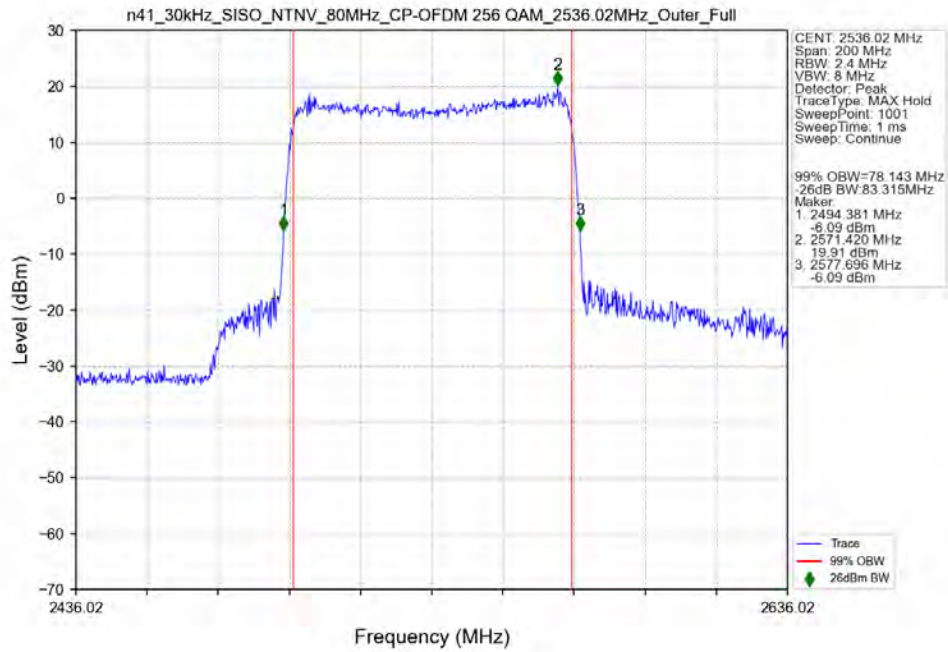
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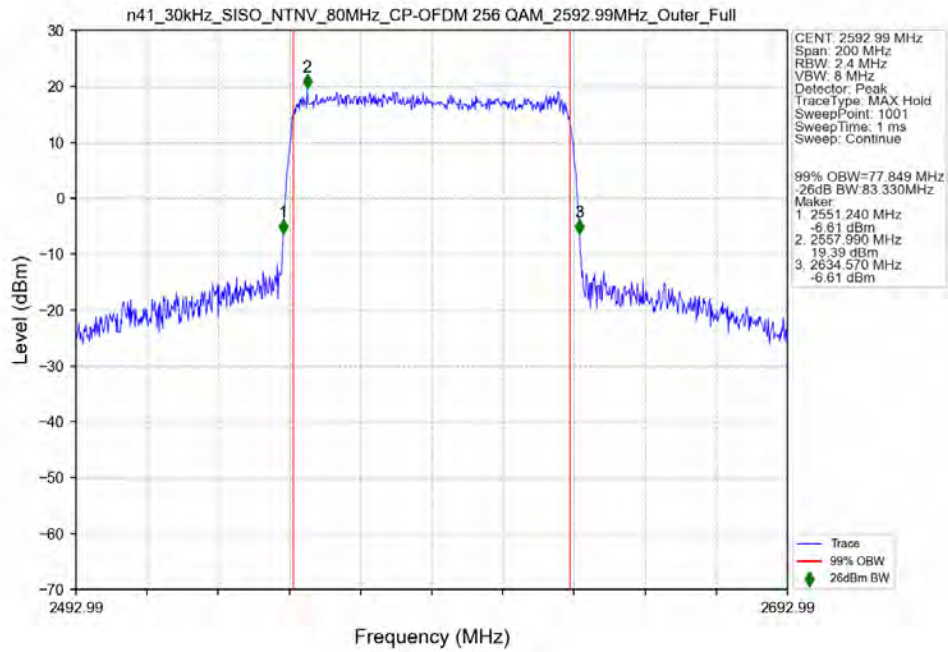
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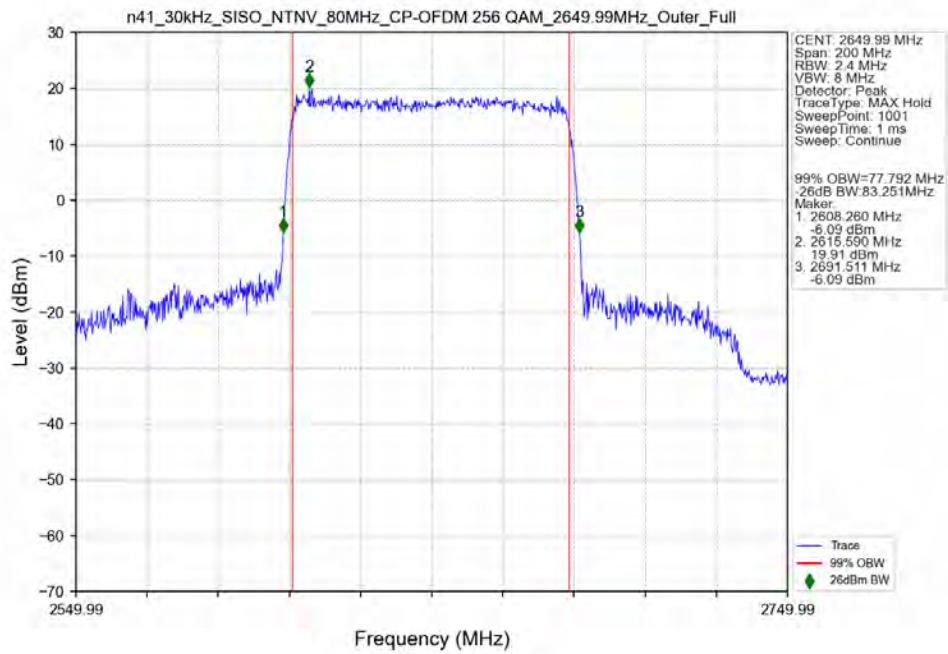
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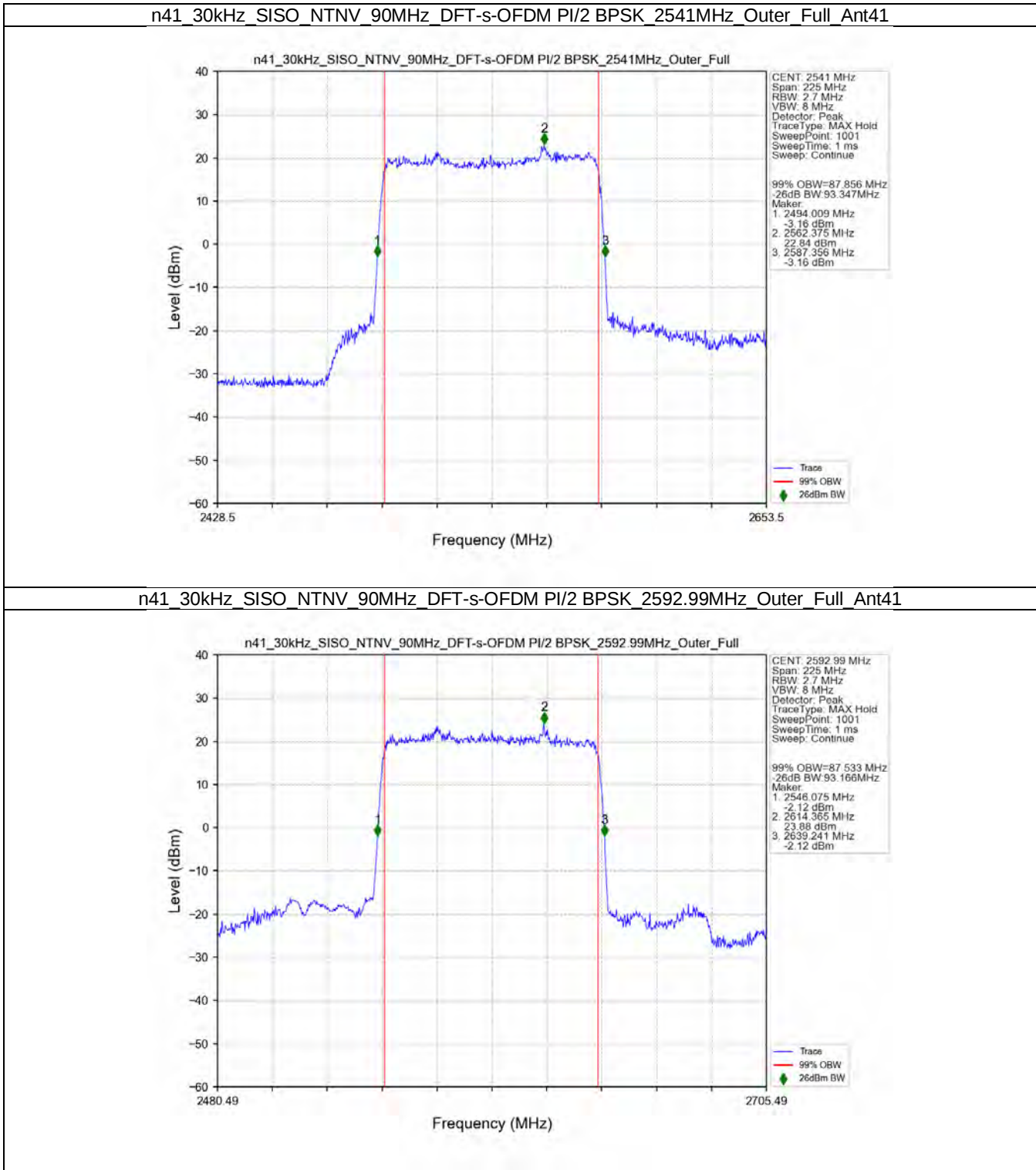
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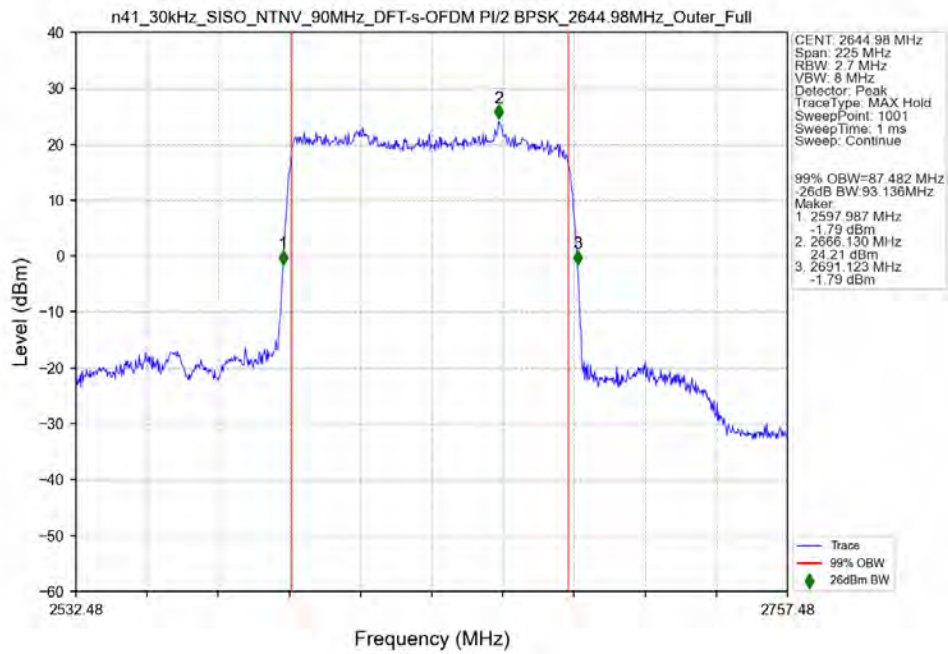
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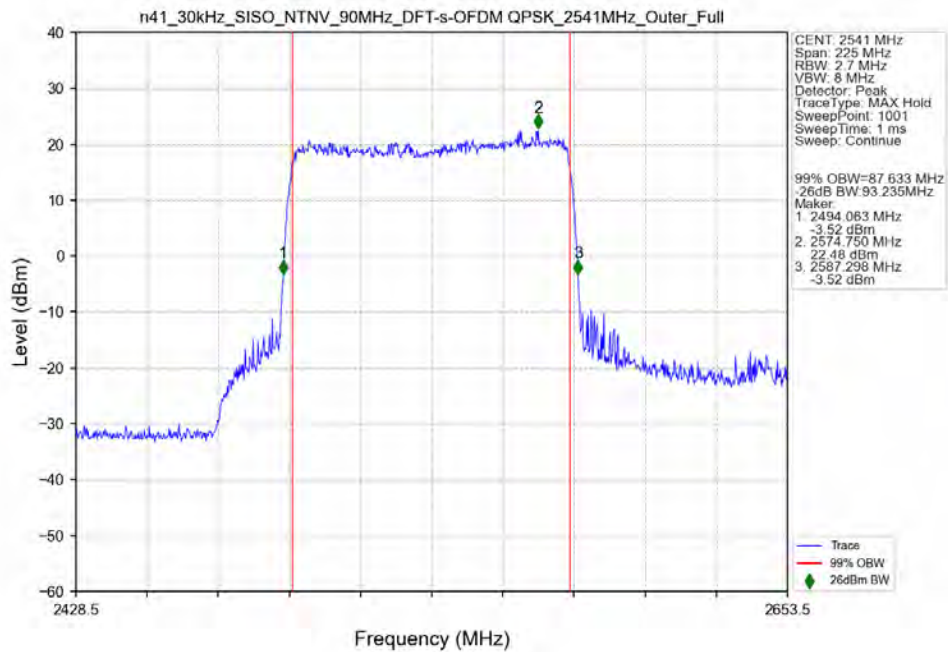
3.2.10 30k_SISO_90MHz_NTNV



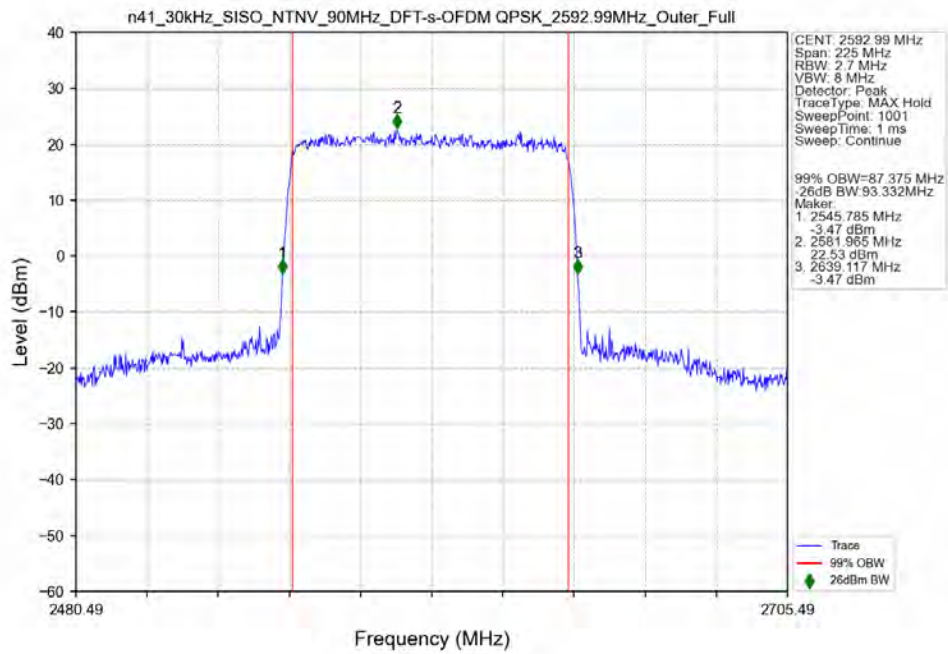
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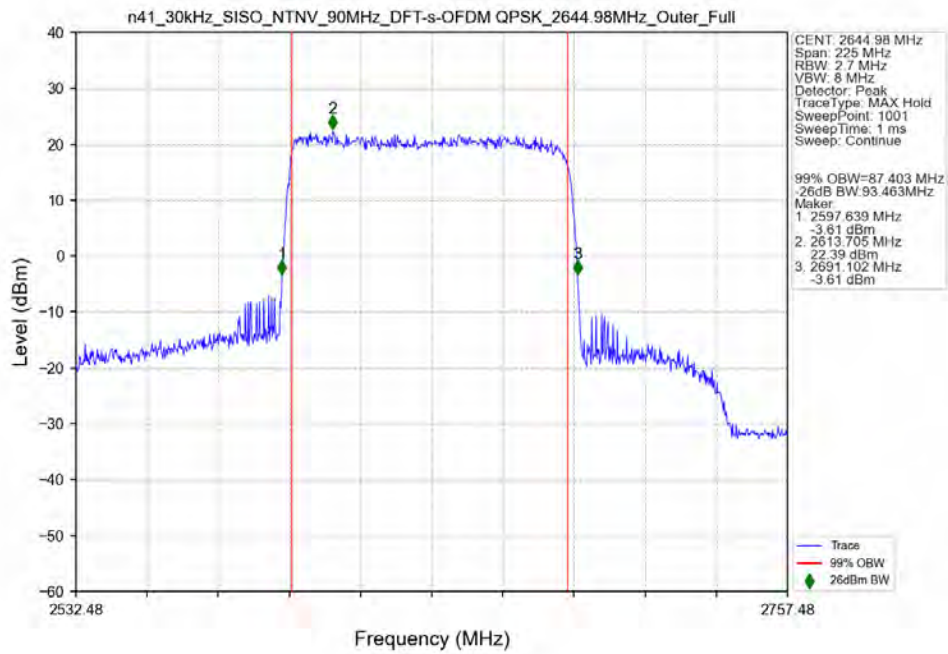
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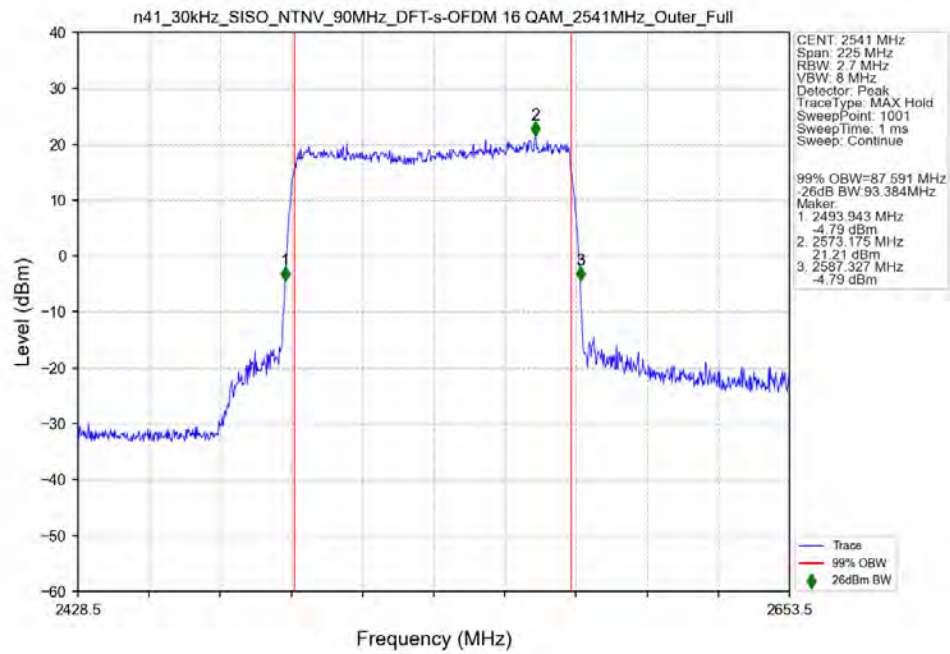
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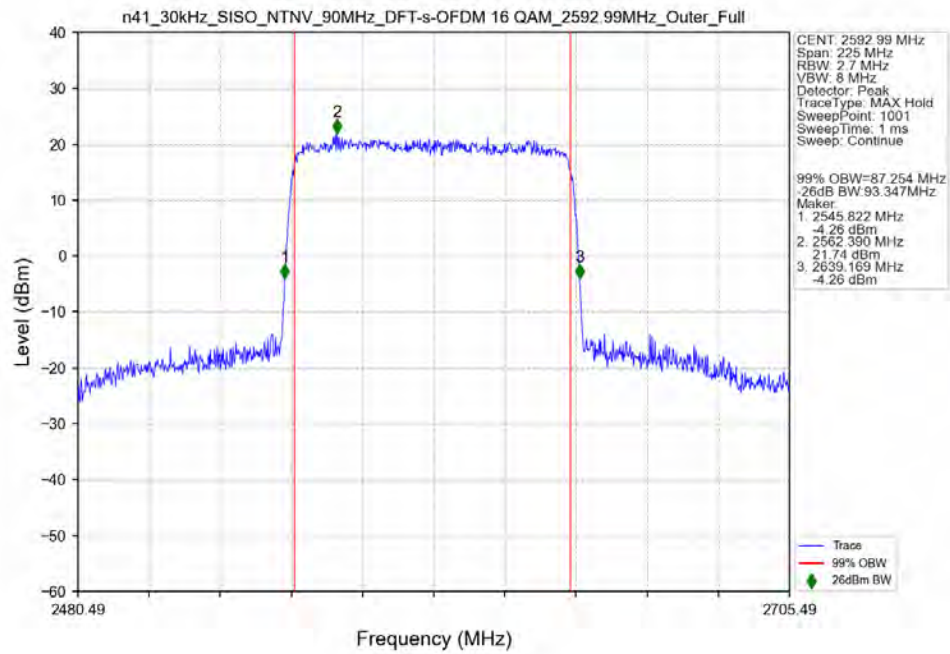
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n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_2541MHz_Outer_Full_Ant41



n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_2592.99MHz_Outer_Full_Ant41



n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 16 QAM_2644.98MHz_Outer_Full

Level (dBm)

Frequency (MHz)

2532.48 2757.48

Trace

99% OBW

26dBm BW

CENT: 2644.98 MHz
Span: 225 MHz
RBW: 2.7 MHz
VBW: 8 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue

99% OBW=87.081 MHz
26dB BW 93.249MHz
Marker
1. 2597.880 MHz
-3.99 dBm
2. 2614.380 MHz
22.01 dBm
3. 2691.129 MHz
-3.99 dBm

n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 64 QAM_2541MHz_Outer_Full

Level (dBm)

Frequency (MHz)

Trace

99% OBW

26dB BW

CENT: 2541 MHz
Span: 225 MHz
RBW: 2.7 MHz
VBW: 8 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1 ms
Sweep: Continue

99% OBW=87.839 MHz
26dB BW=93.445 MHz

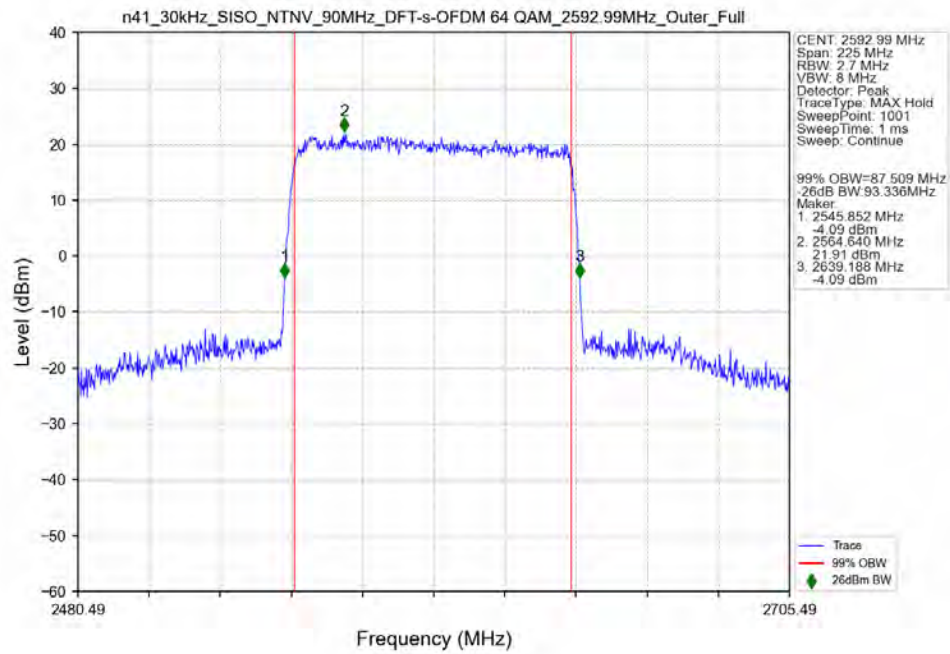
Marker

1. 2493.874 MHz
-5.25 dBm

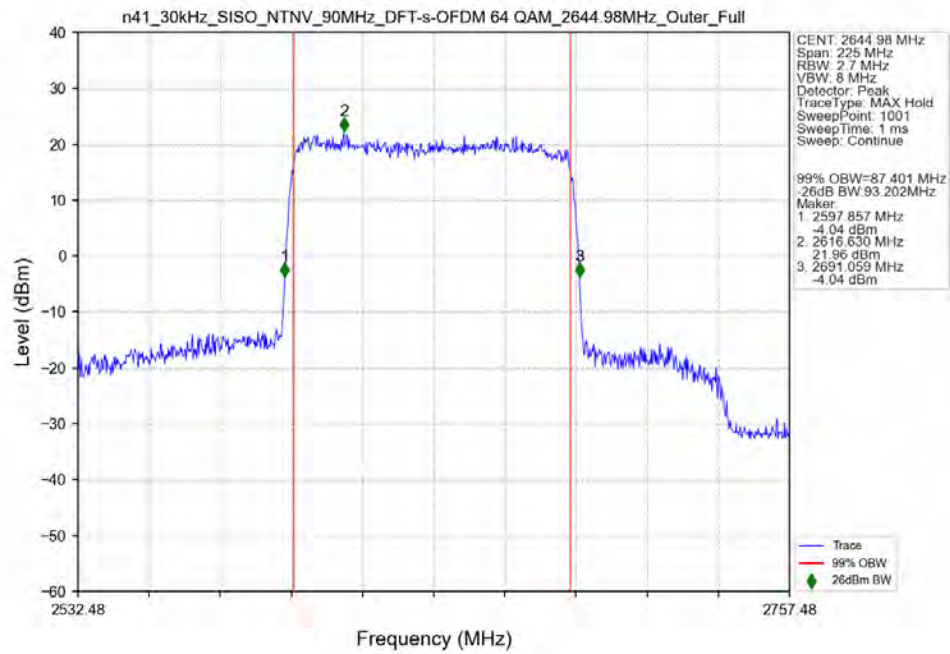
2. 2562.625 MHz
20.75 dBm

3. 2587.319 MHz
-5.25 dBm

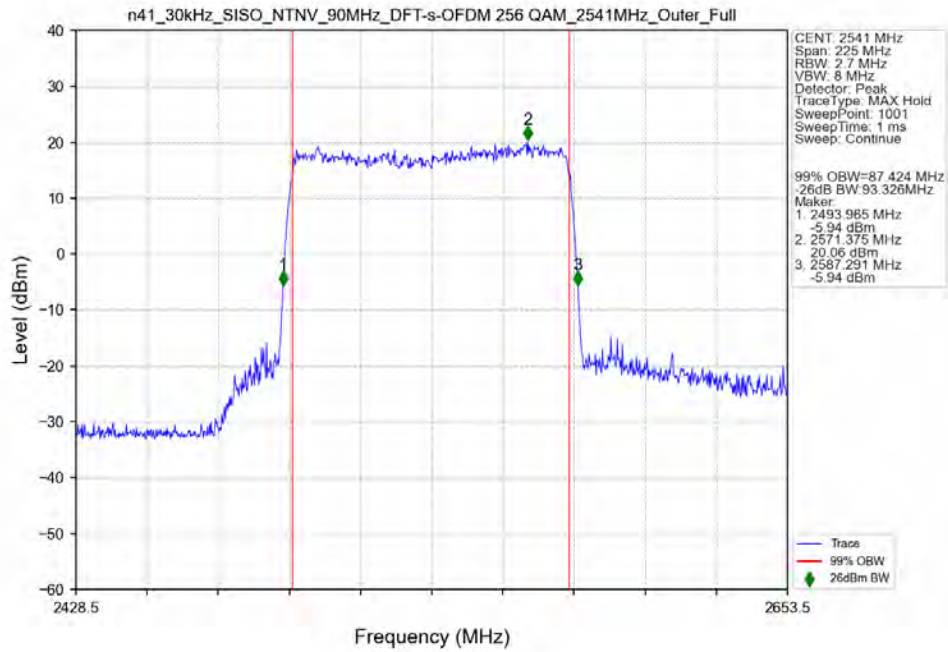
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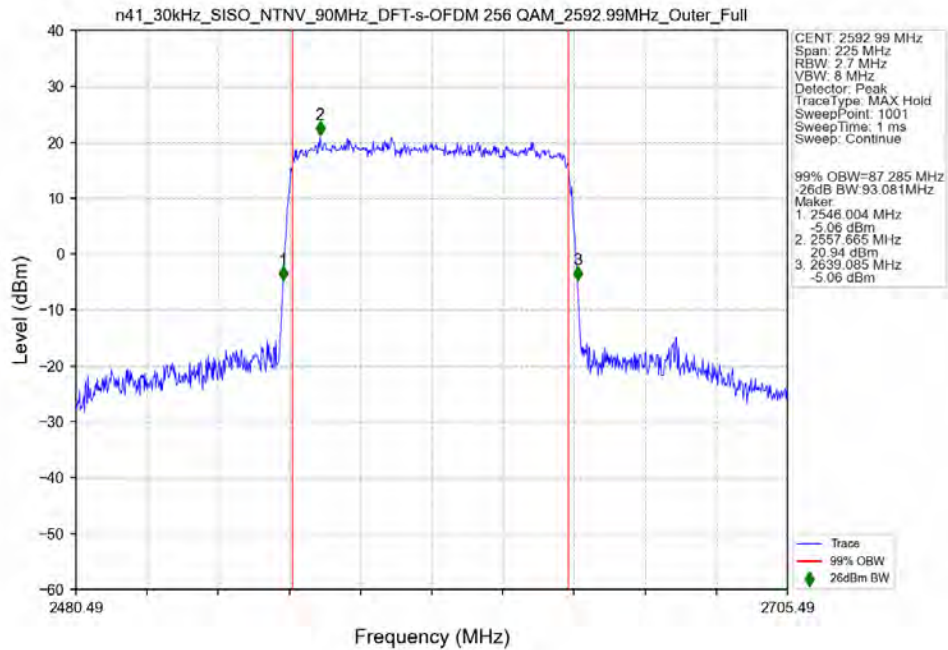
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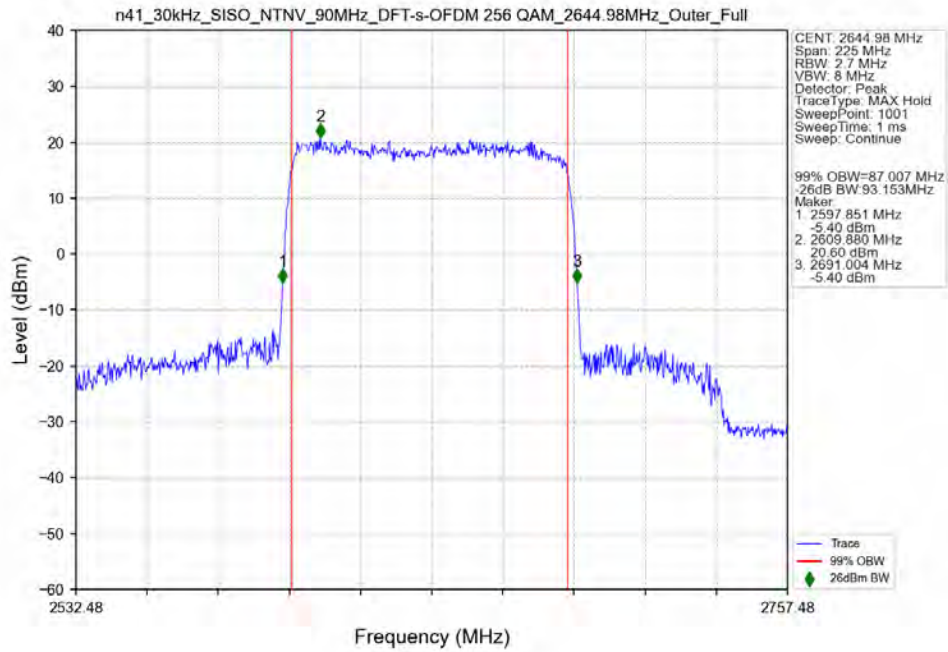
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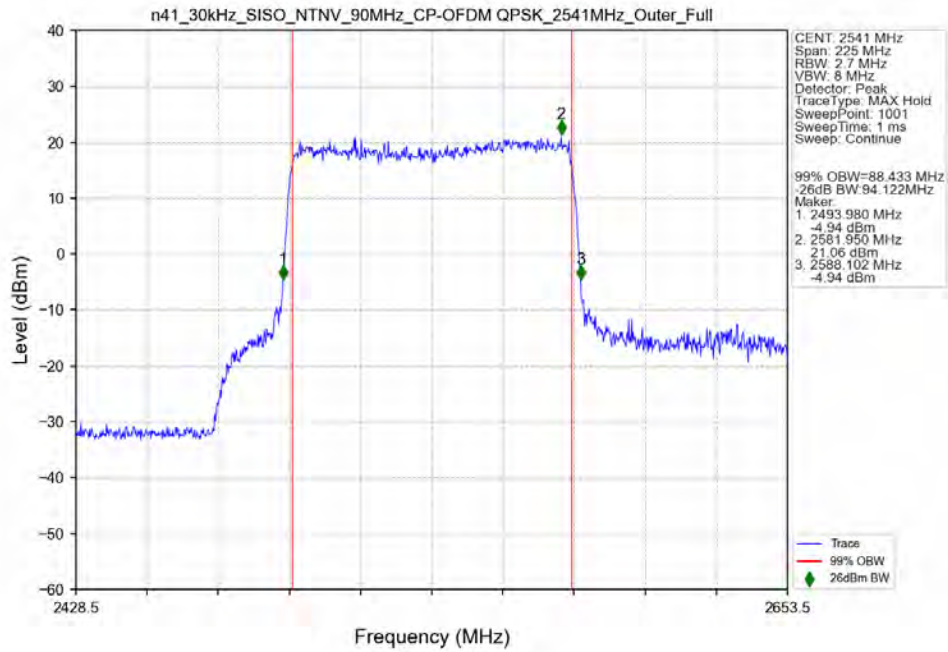
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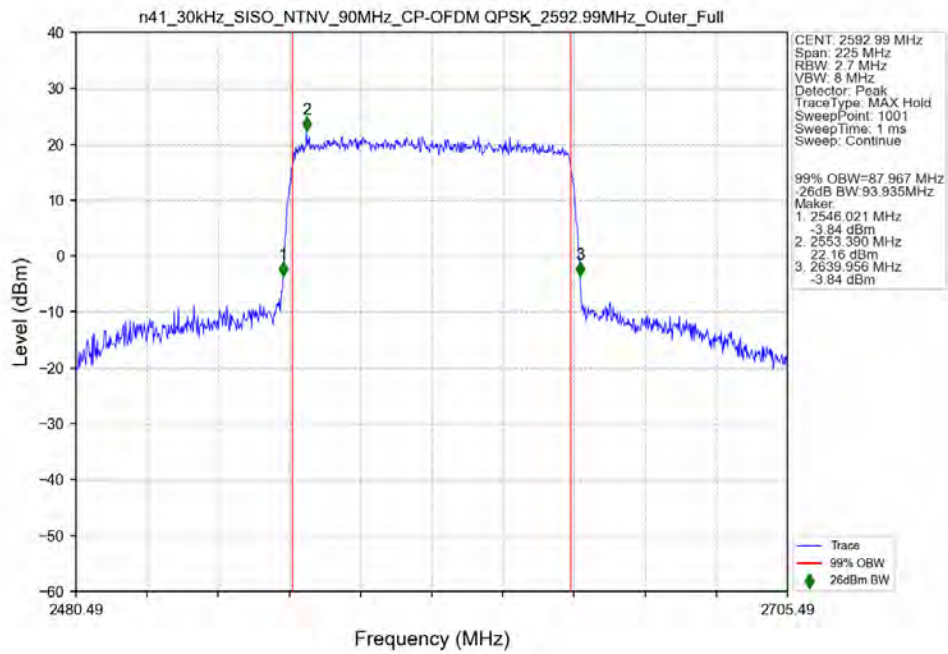
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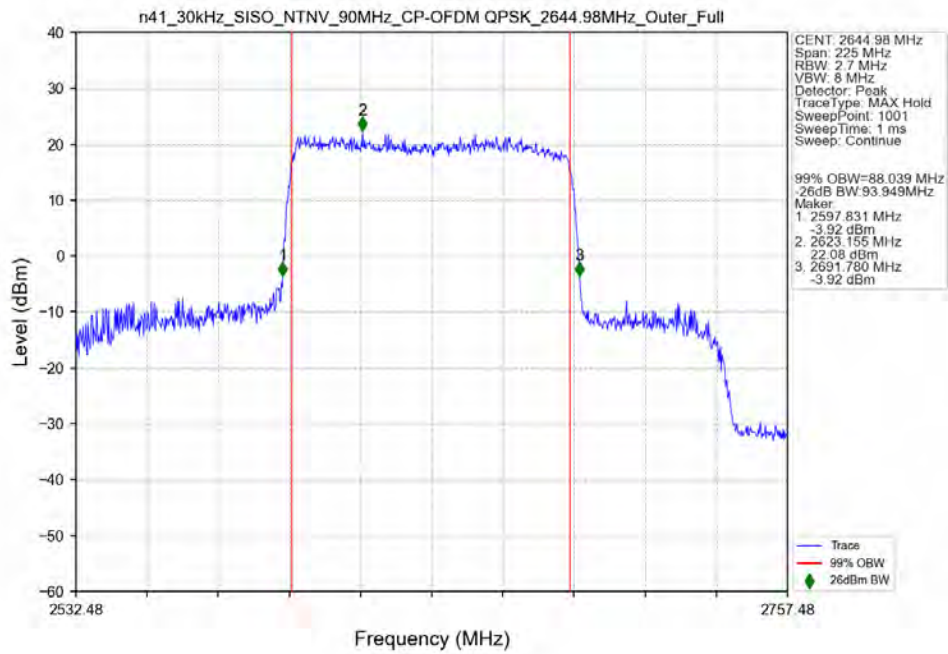
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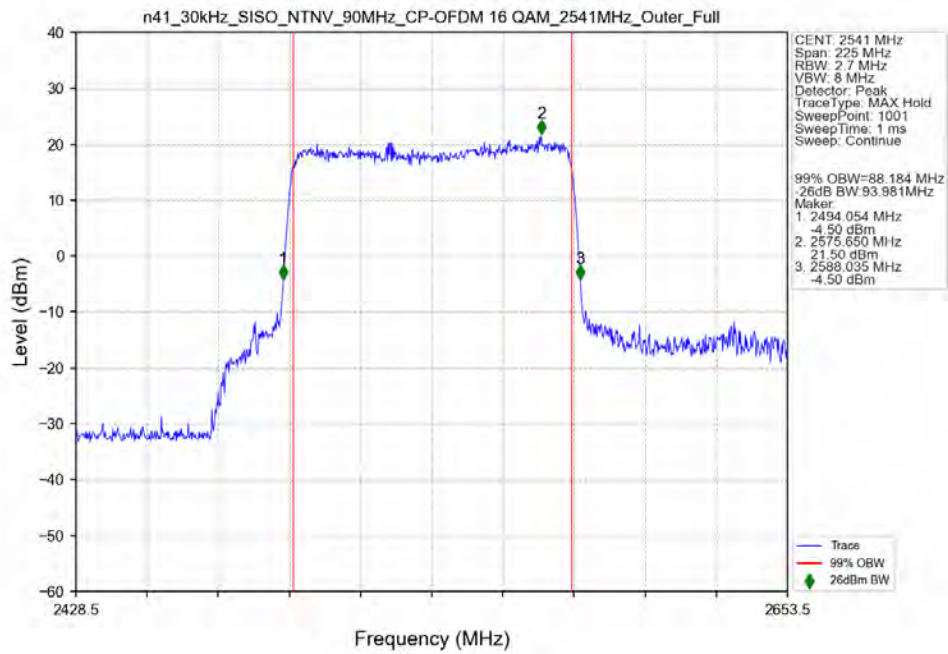
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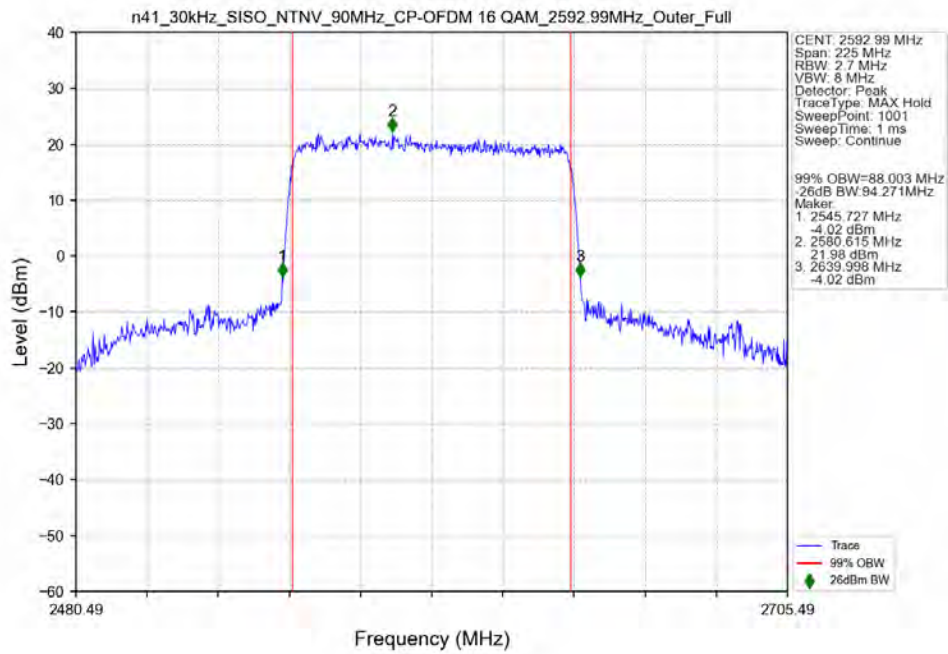
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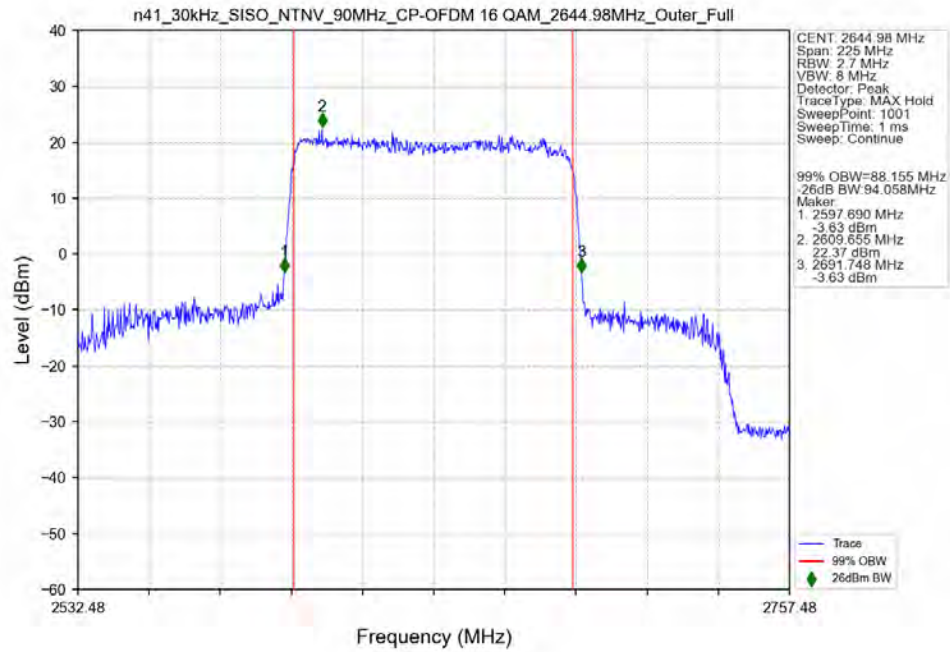
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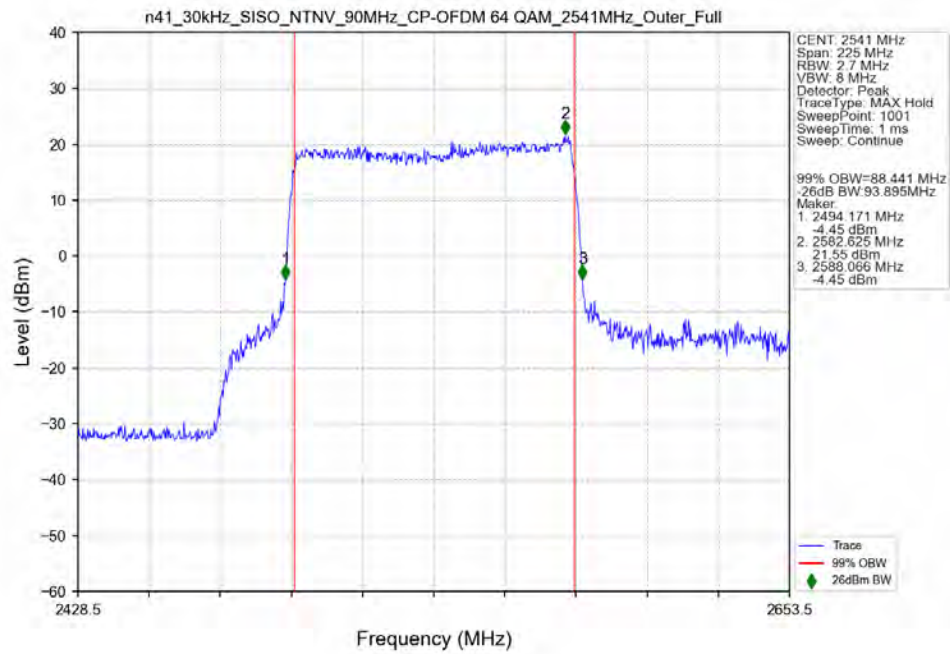
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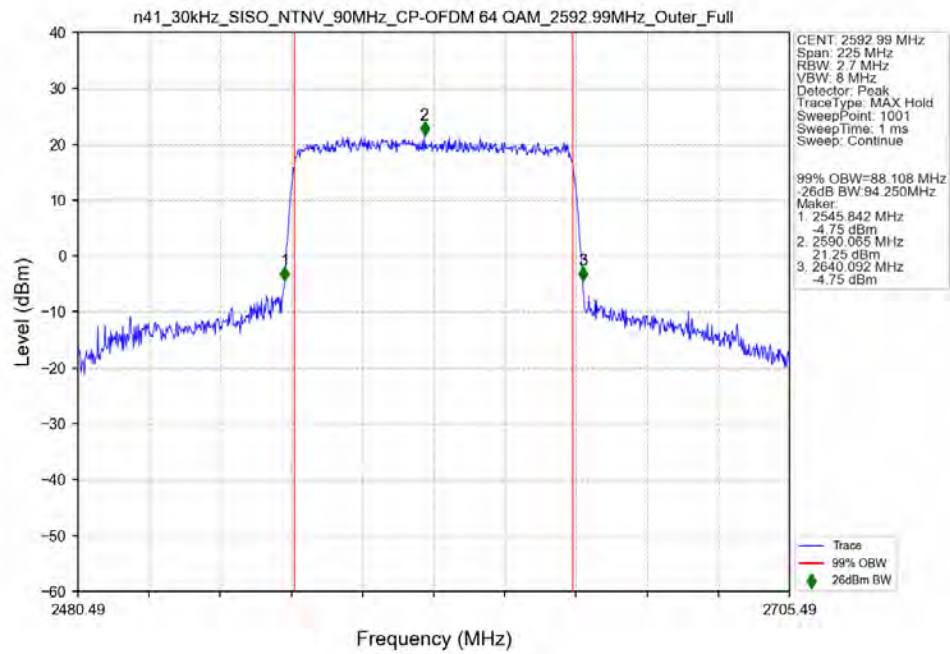
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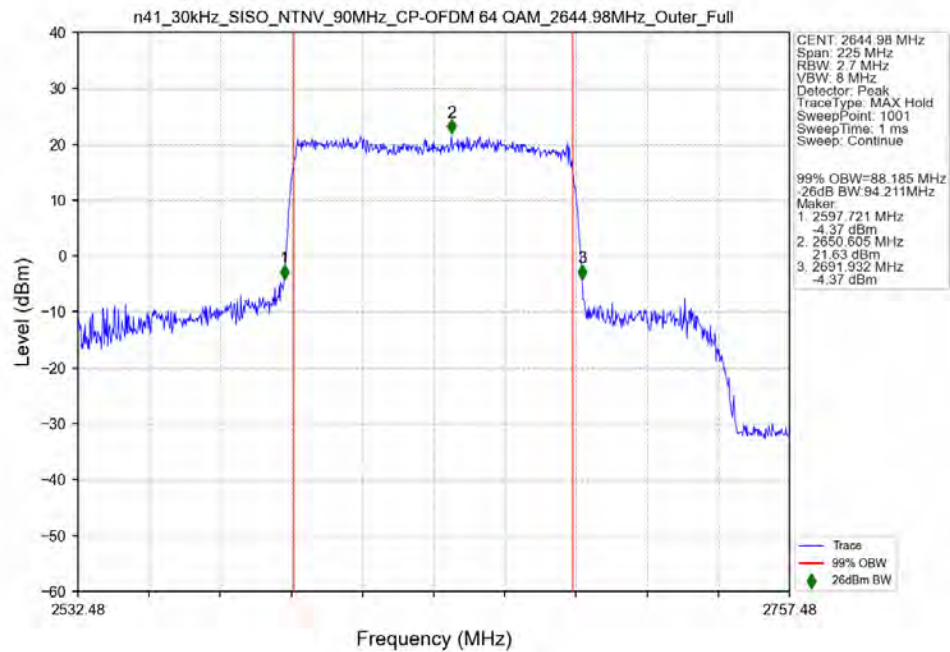
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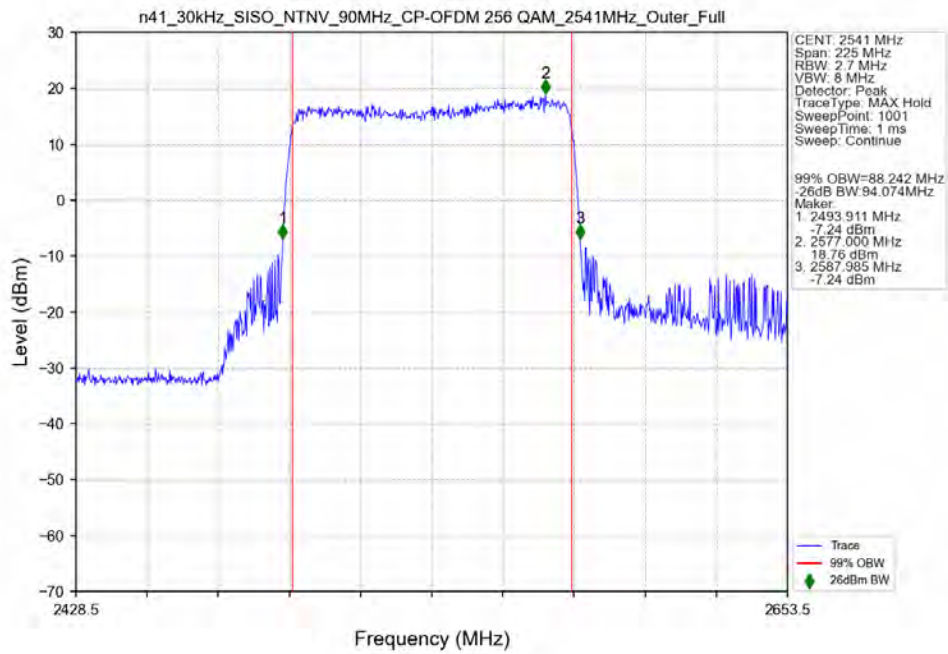
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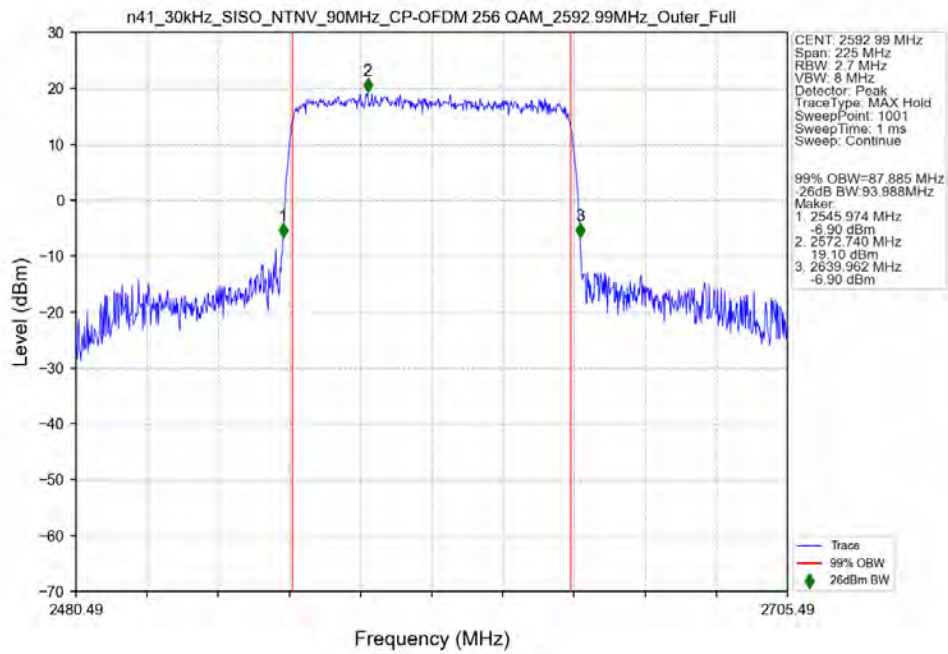
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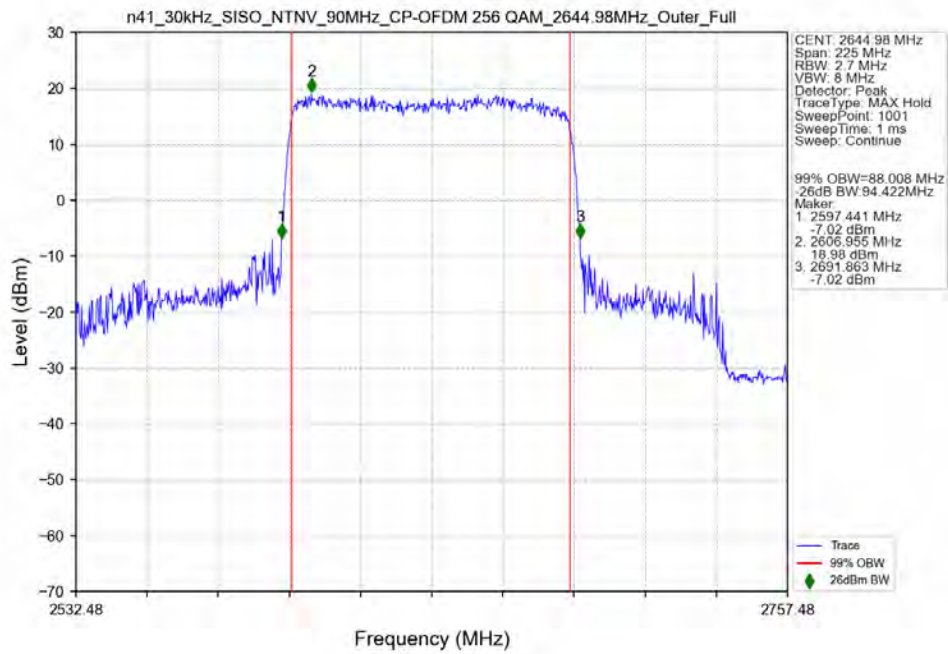
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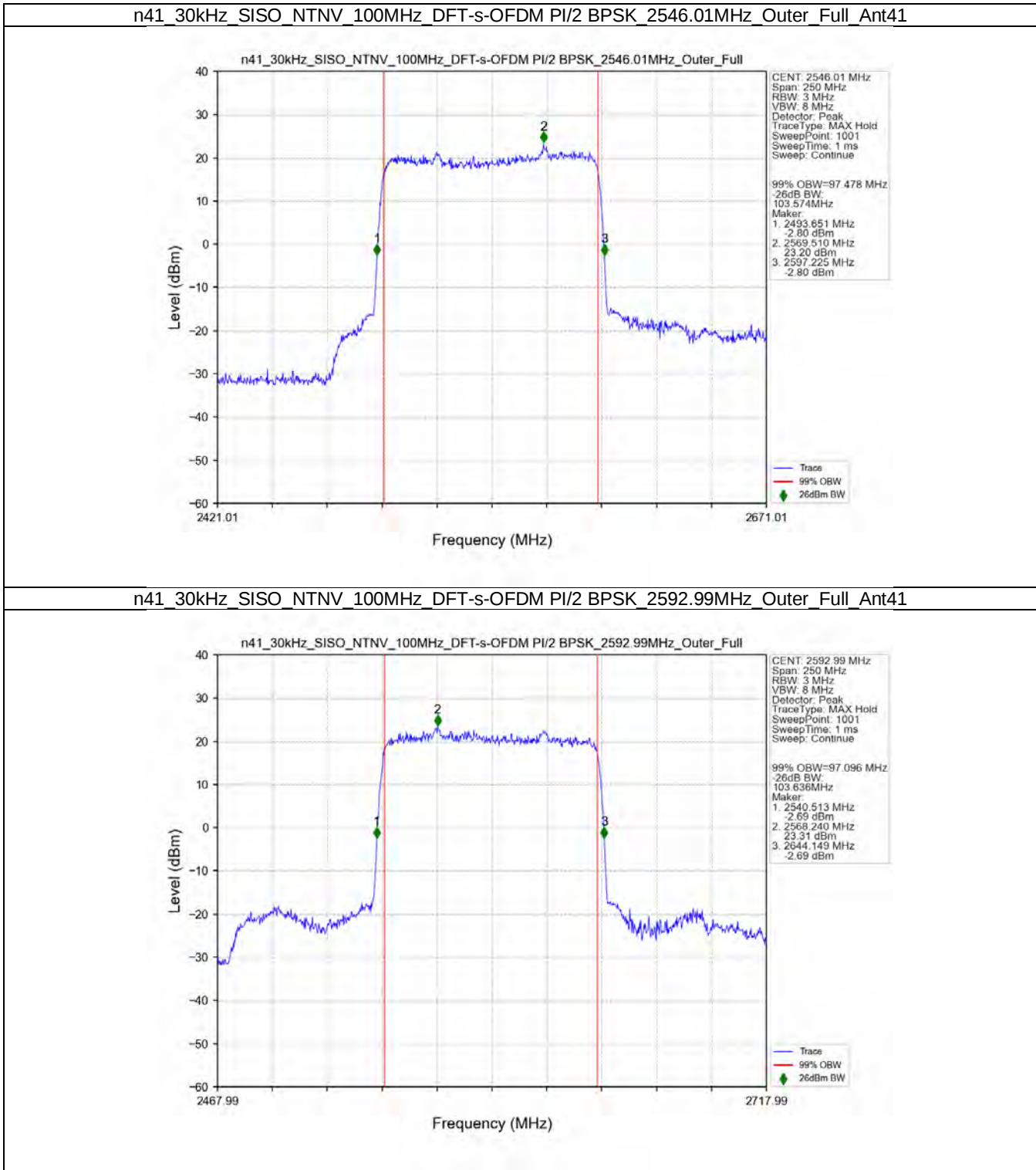
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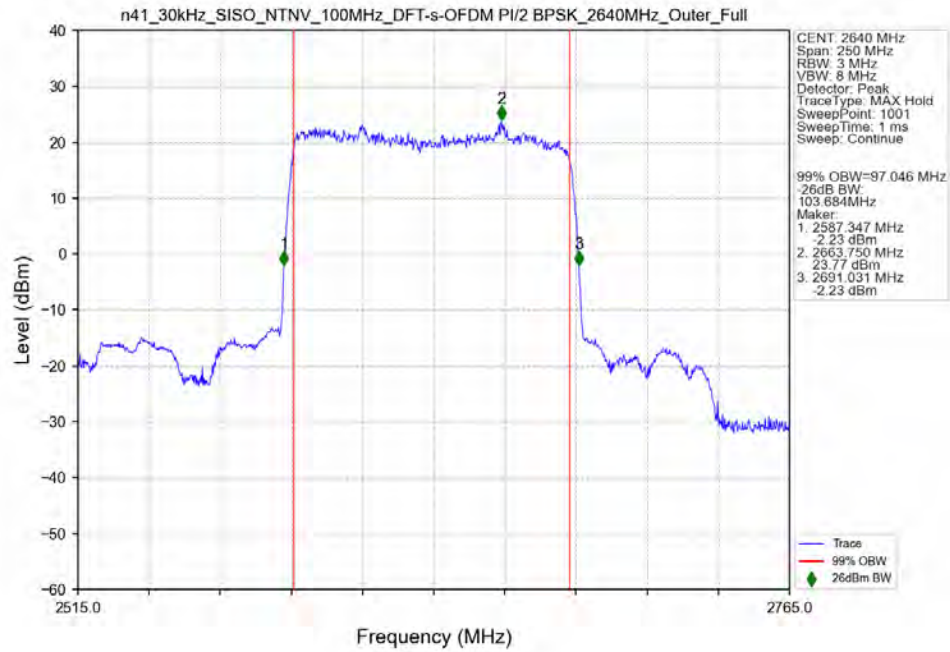
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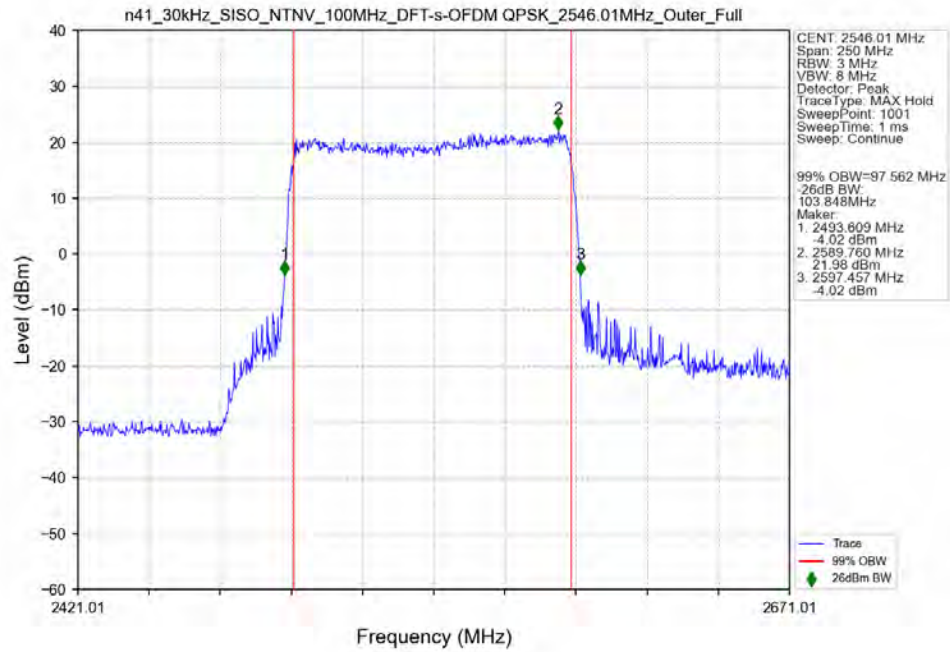
3.2.11 30k_SISO_100MHz_NTNV



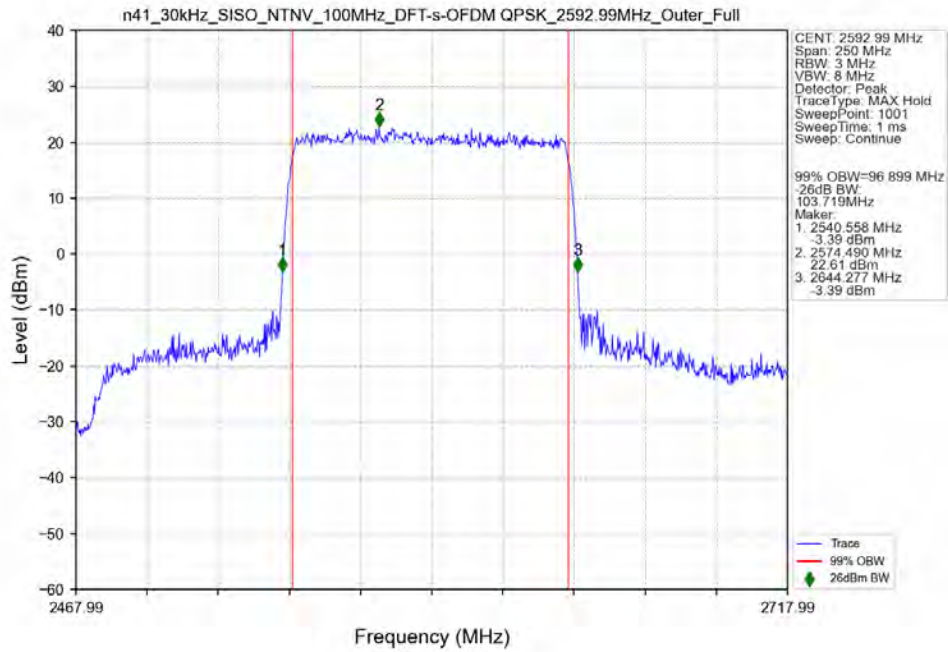
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_2640MHz_Outer_Full_Ant41



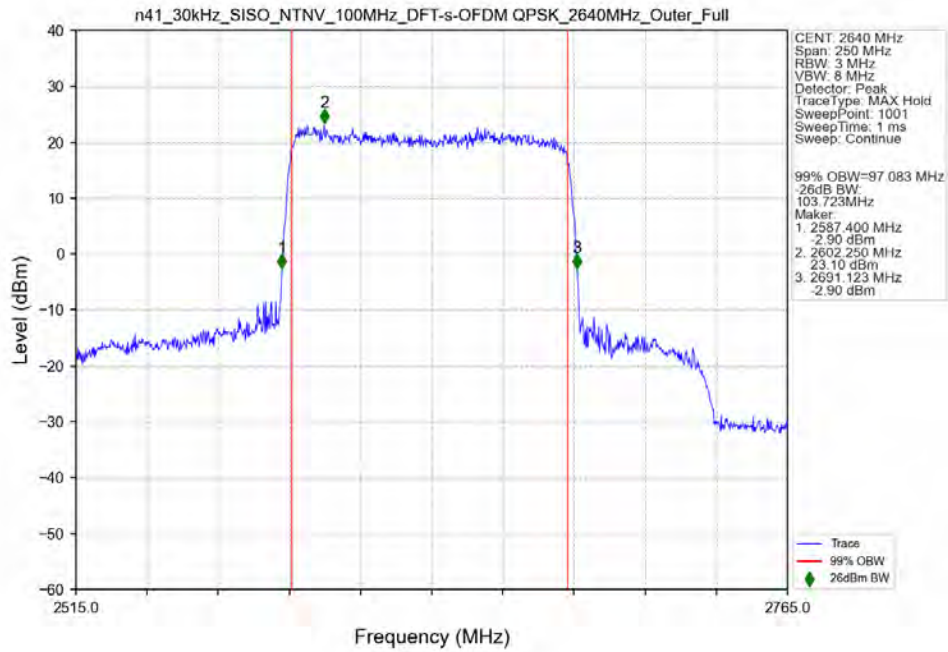
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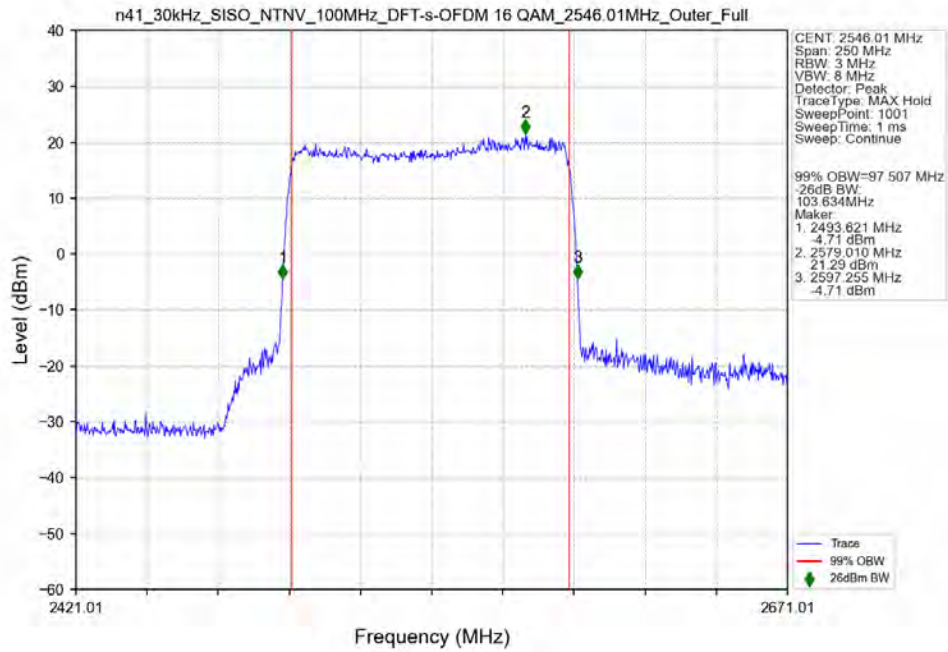
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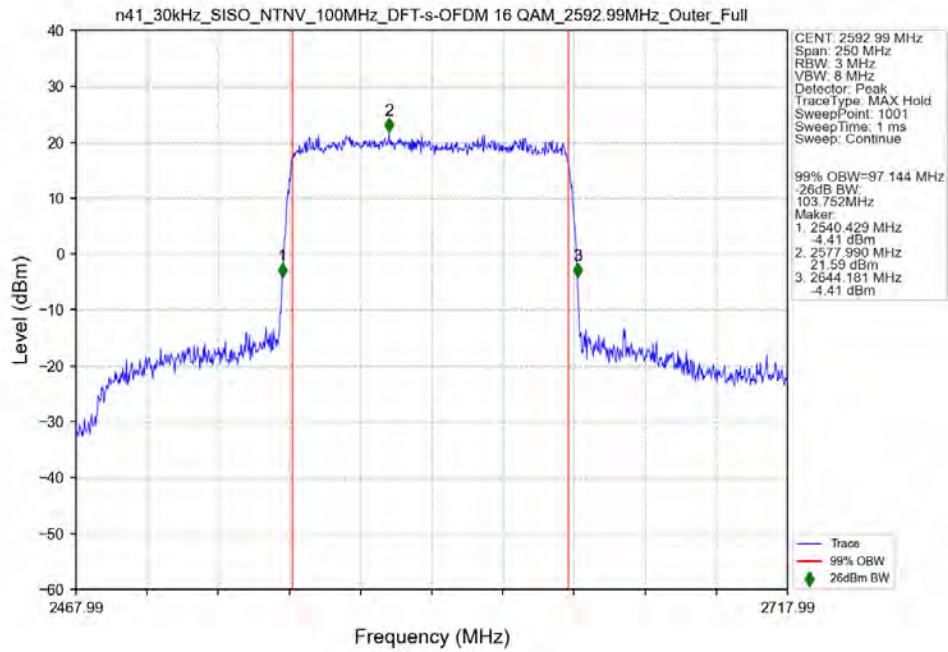
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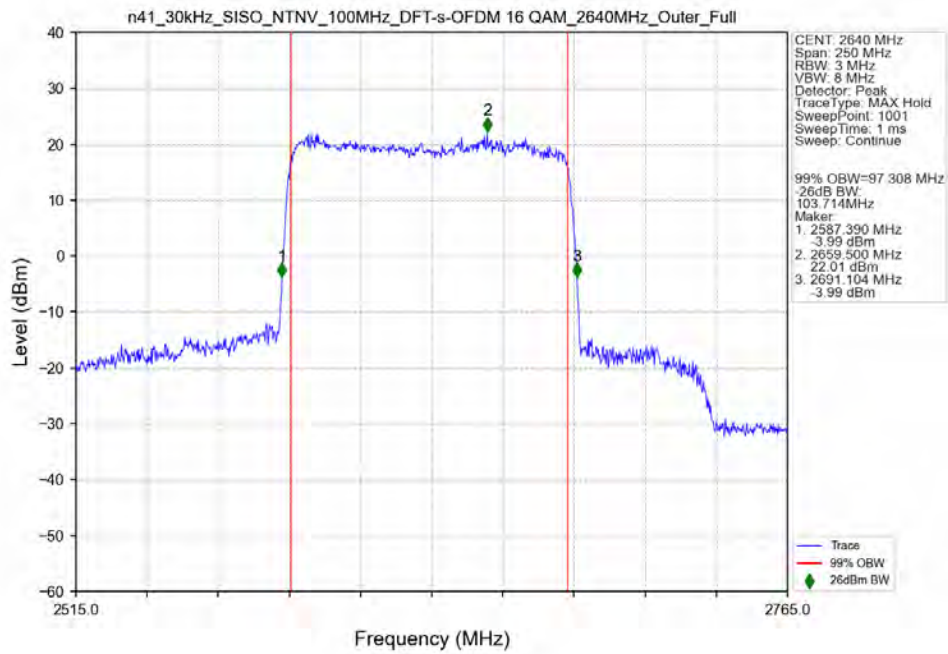
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_2546.01MHz_Outer_Full_Ant41



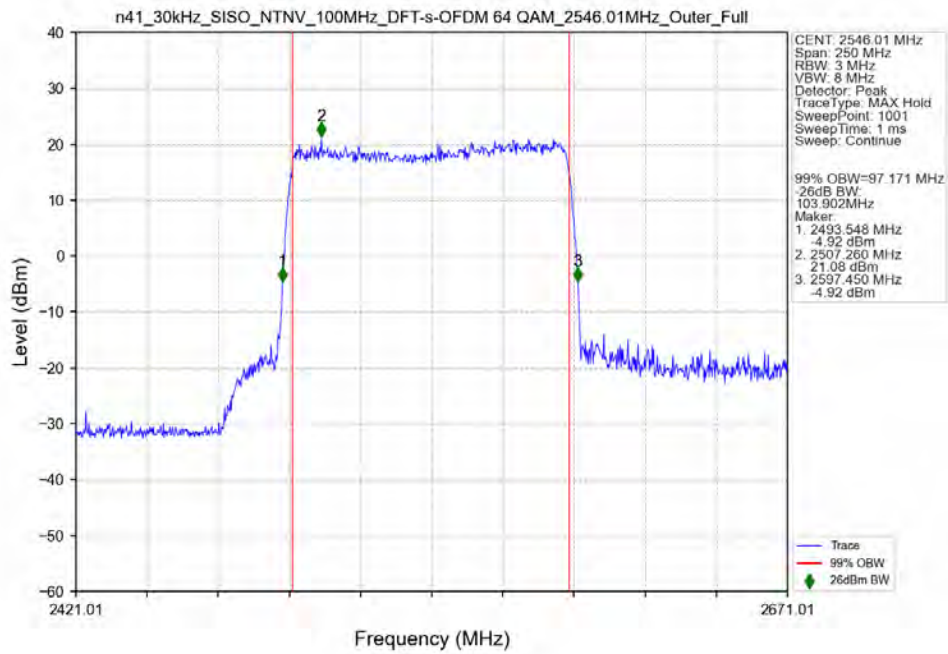
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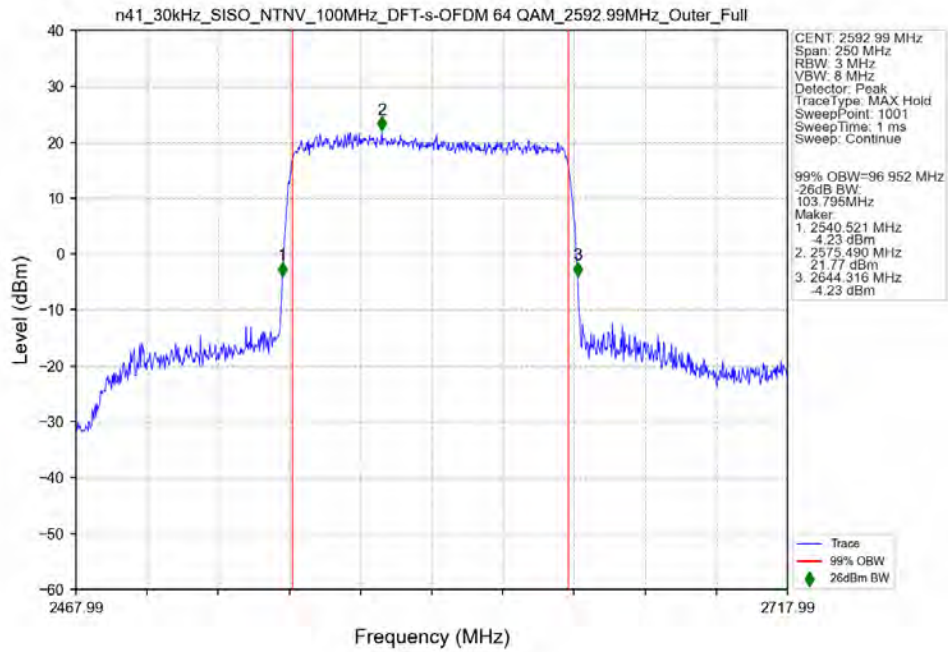
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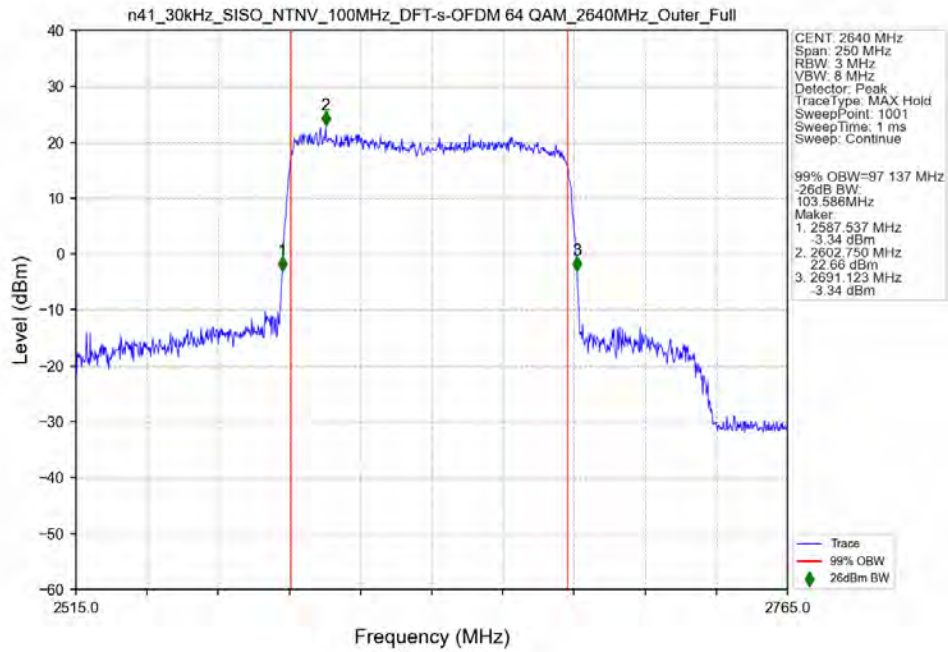
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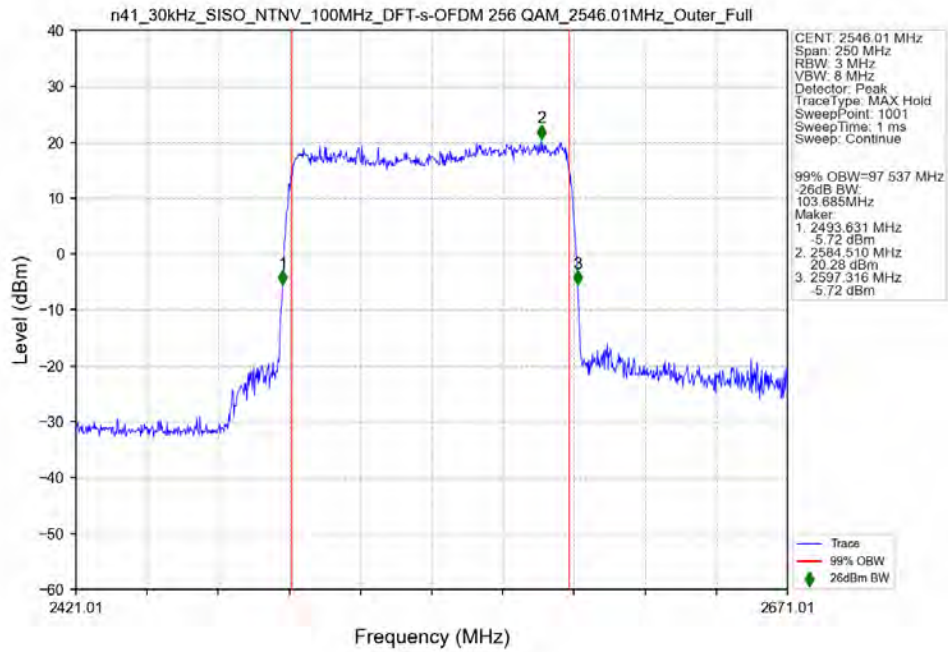
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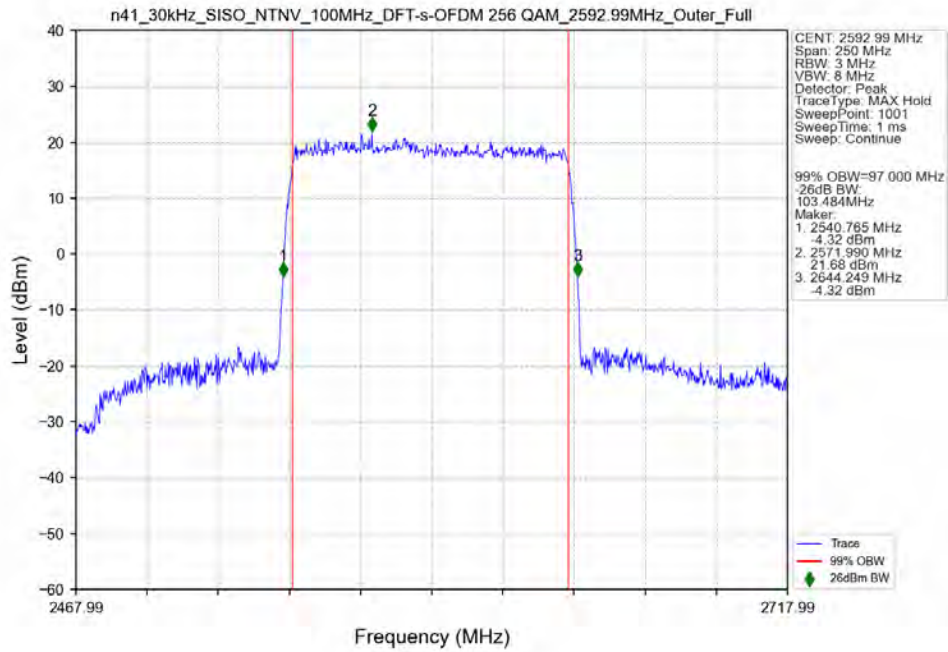
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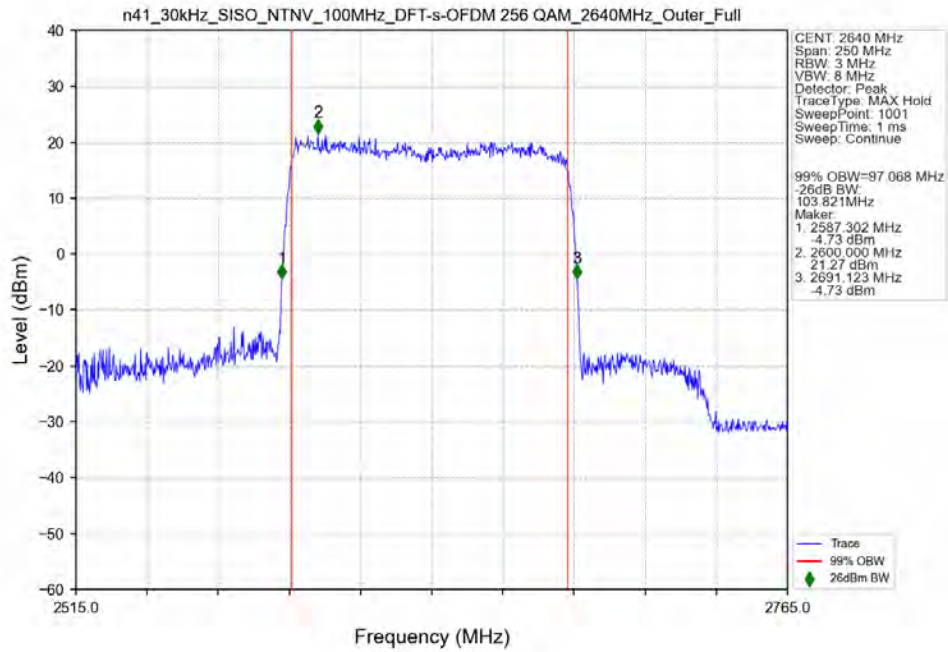
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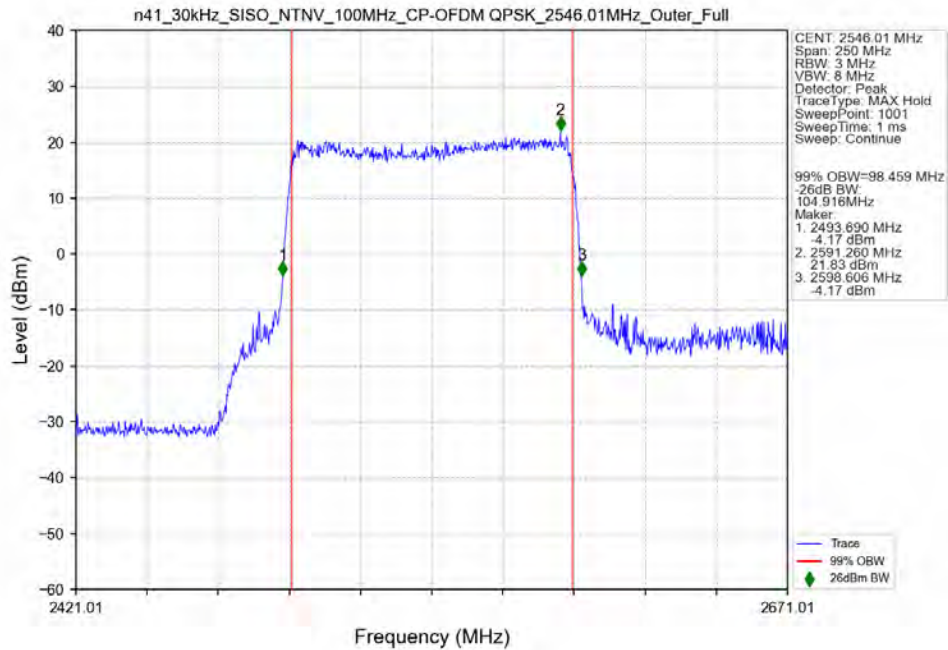
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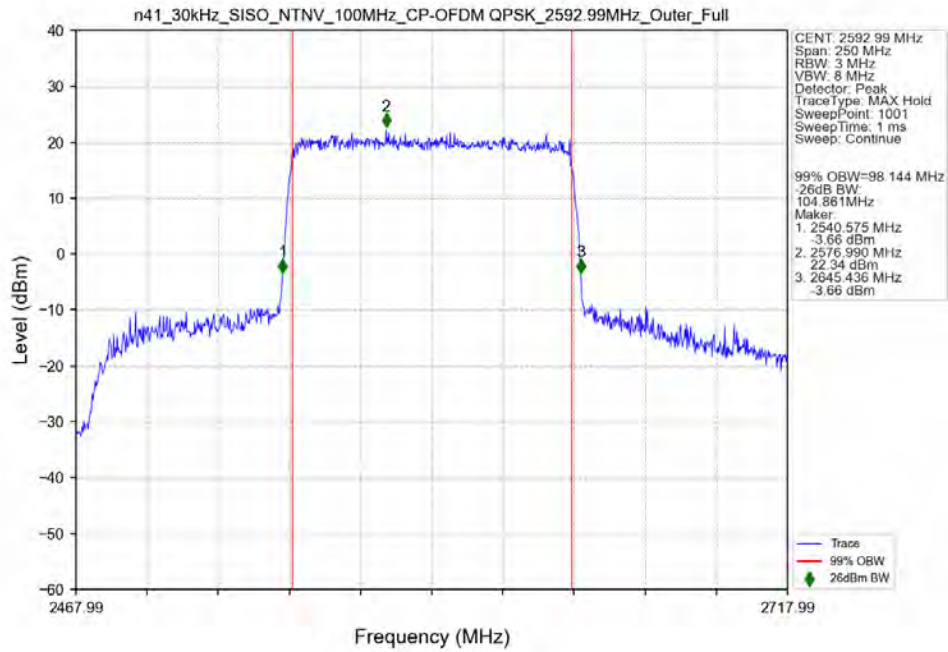
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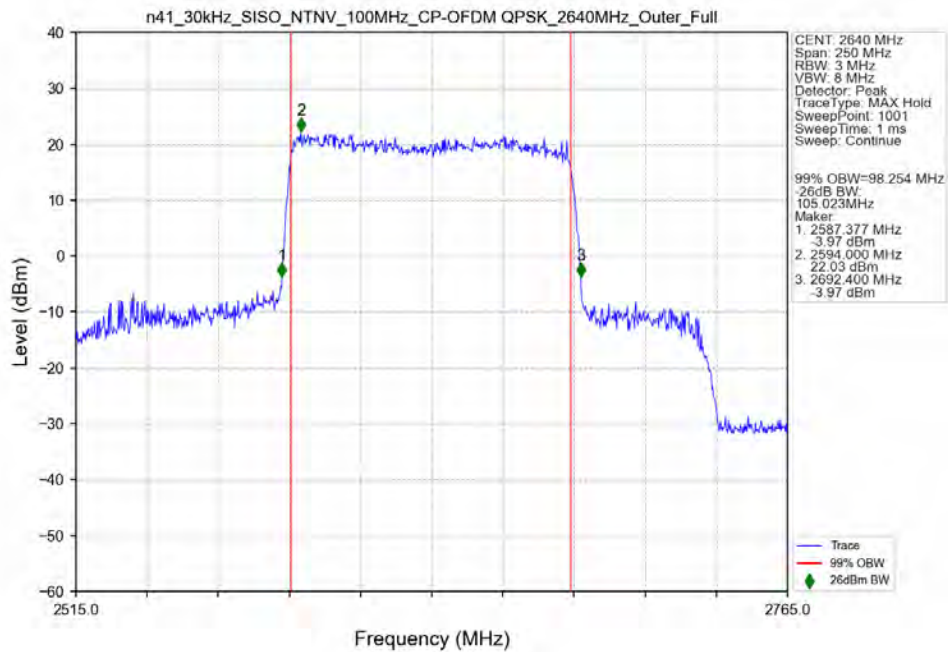
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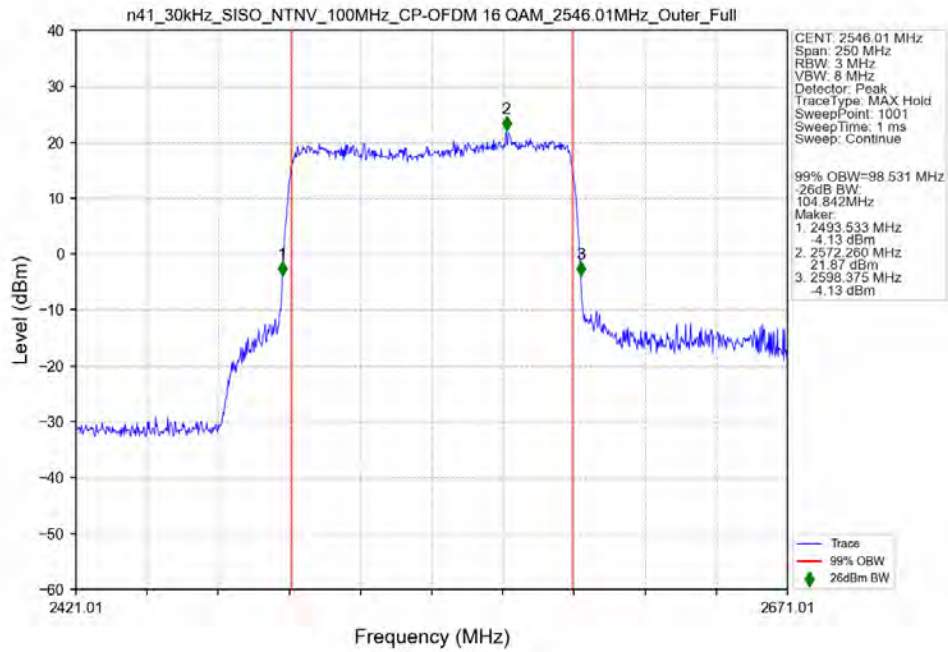
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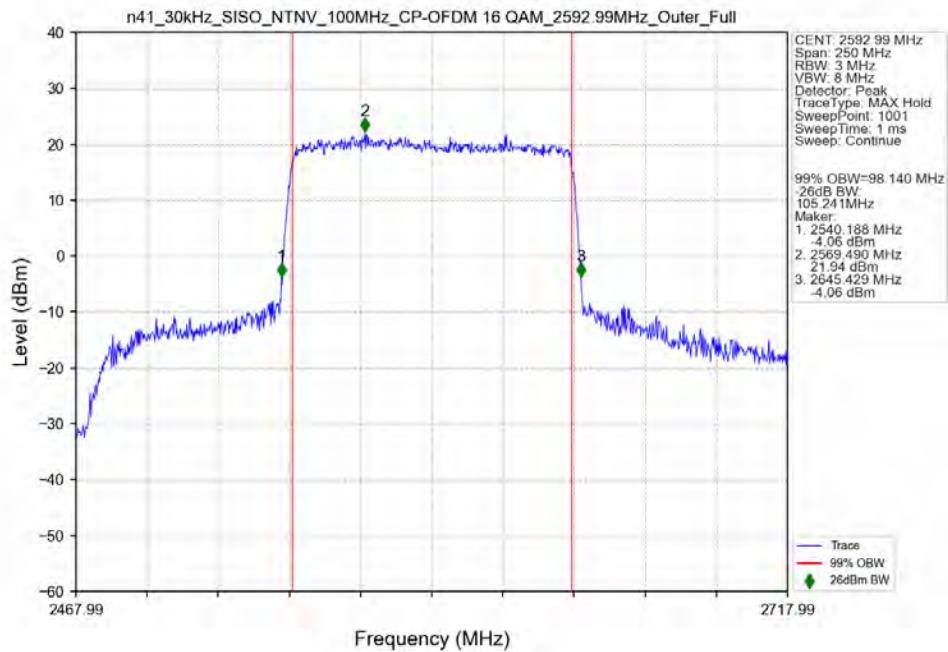
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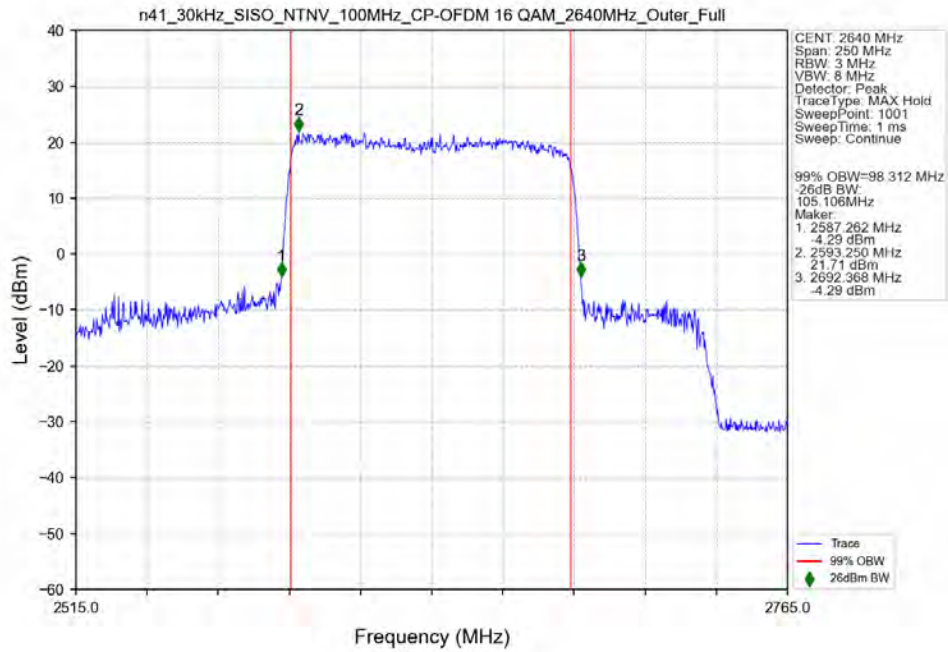
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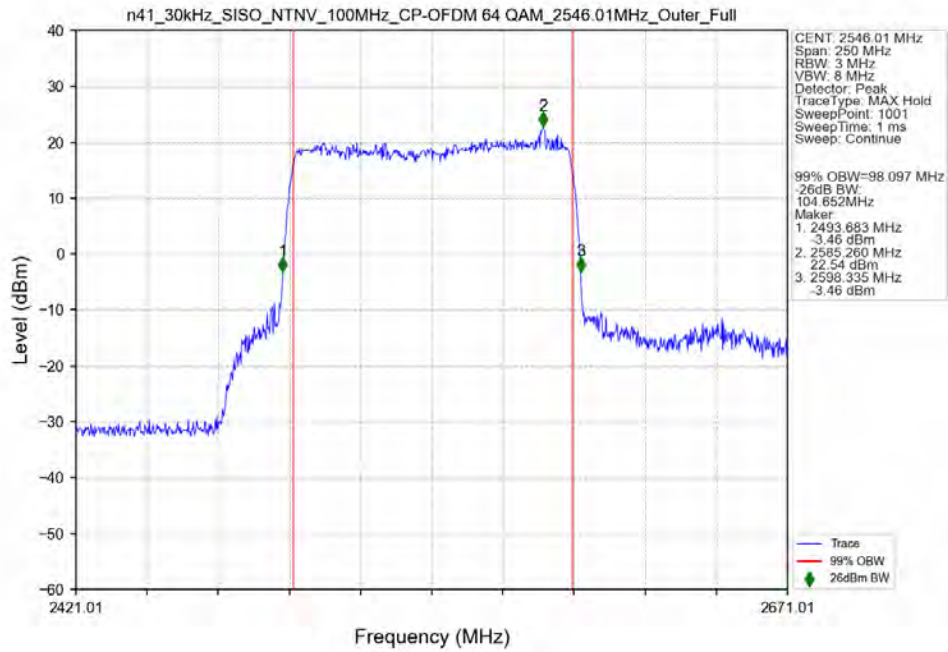
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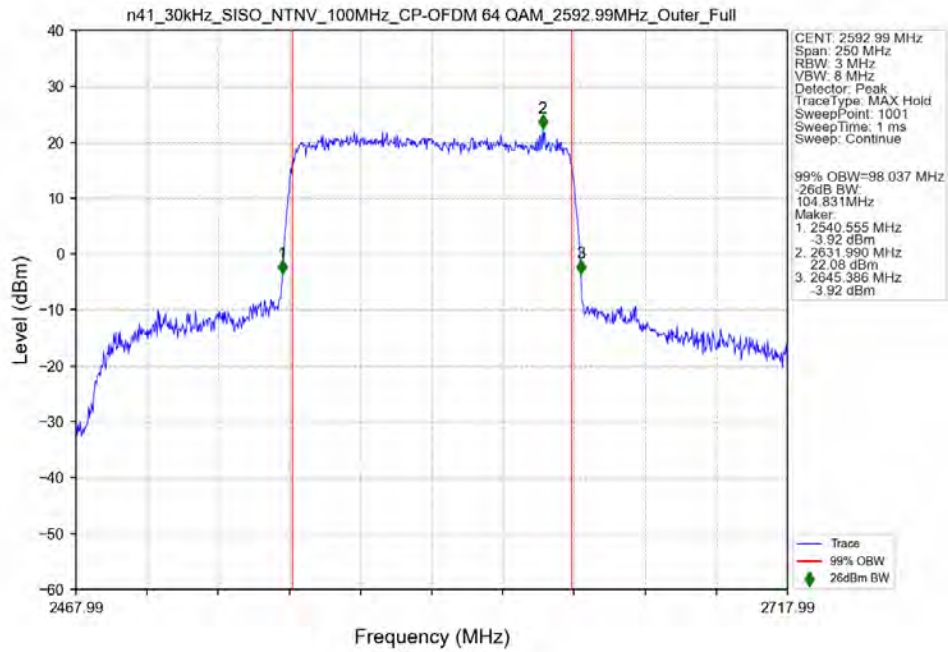
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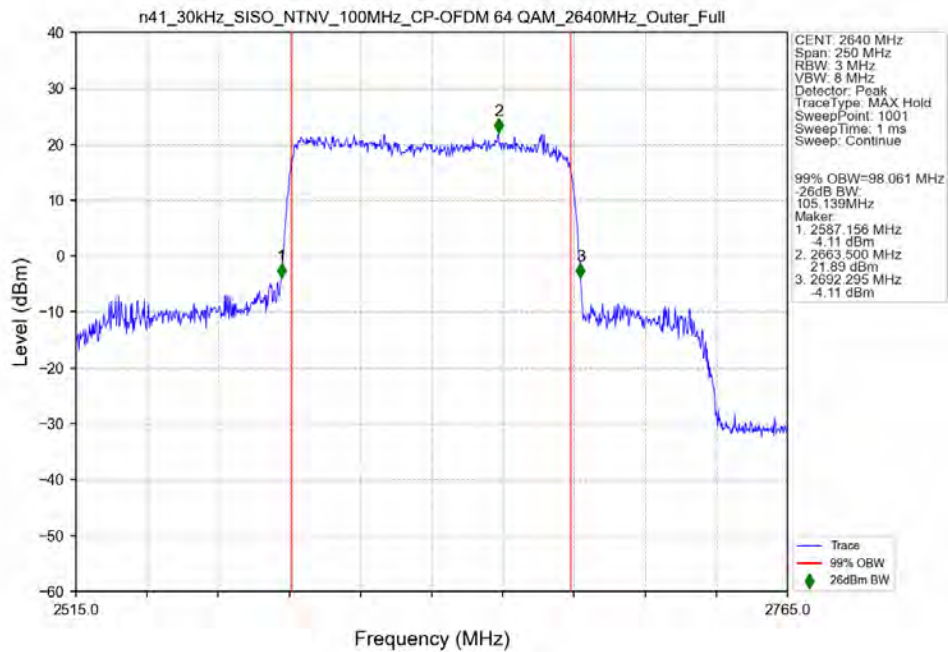
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM_2546.01MHz_Outer_Full_Ant41



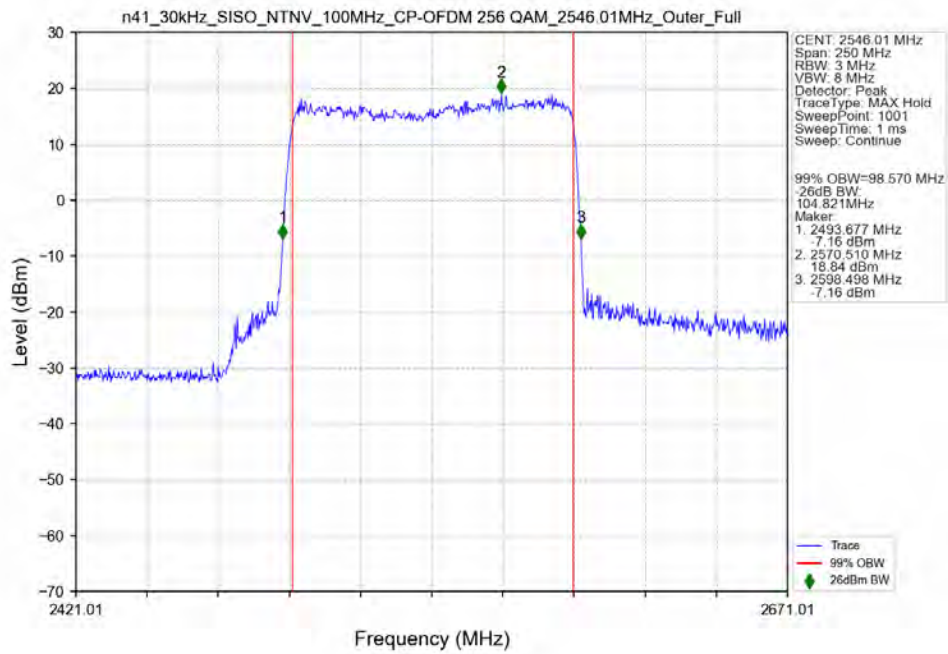
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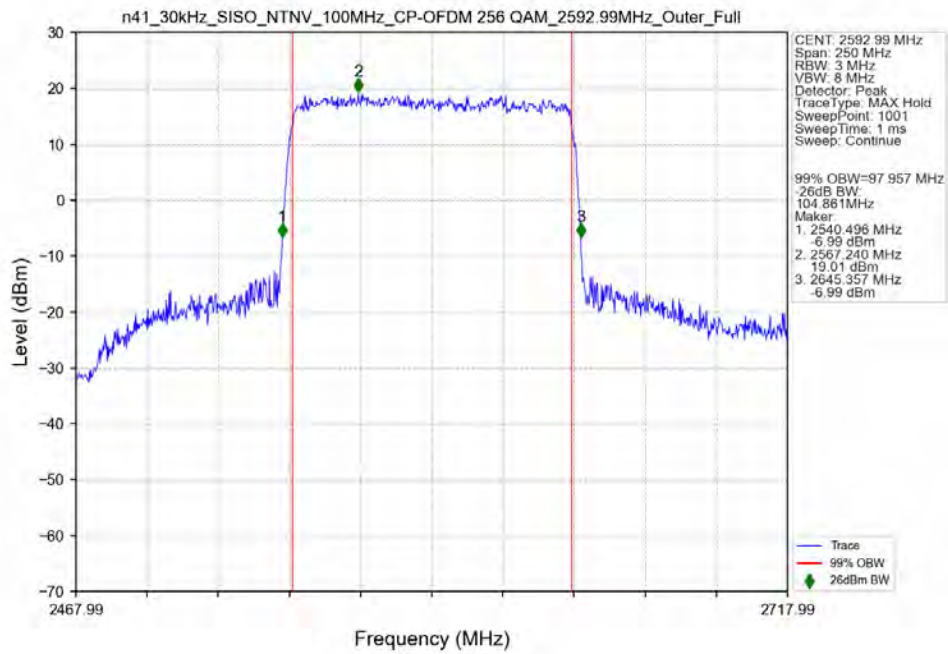
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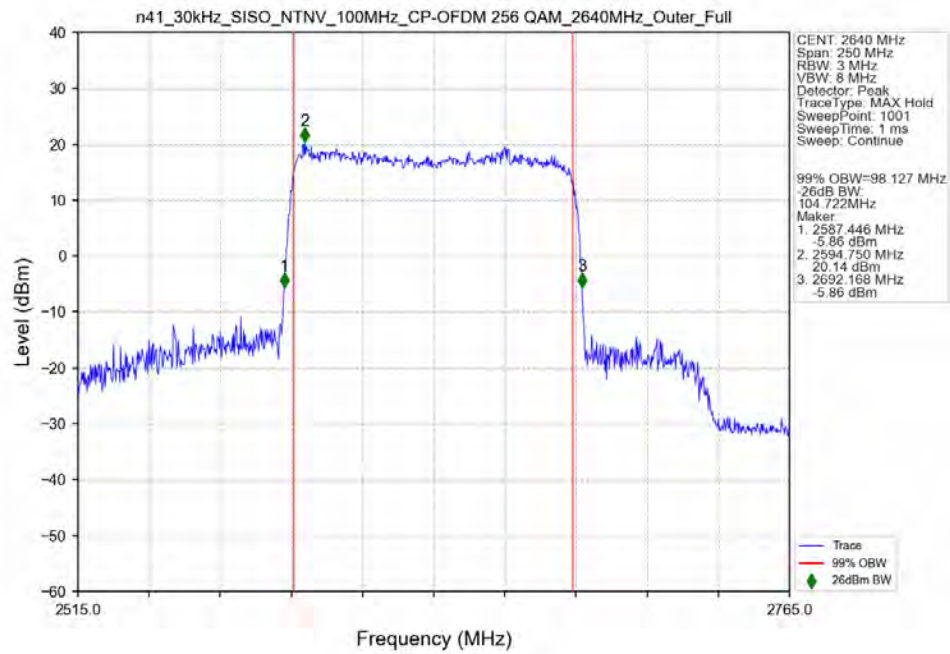
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_2546.01MHz_Outer_Full_Ant41



n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full_Ant41



n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_2640MHz_Outer_Full_Ant41



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
			Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2501.01	Outer_Full	4.21	/	/	<=13	Pass
	2592.99	Outer_Full	3.83	/	/	<=13	Pass
	2685	Outer_Full	4.23	/	/	<=13	Pass
DFT-s-OFDM QPSK	2501.01	Outer_Full	5.22	/	/	<=13	Pass
	2592.99	Outer_Full	5.06	/	/	<=13	Pass
	2685	Outer_Full	5.16	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2501.01	Outer_Full	5.93	/	/	<=13	Pass
	2592.99	Outer_Full	5.80	/	/	<=13	Pass
	2685	Outer_Full	5.89	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2501.01	Outer_Full	6.10	/	/	<=13	Pass
	2592.99	Outer_Full	5.79	/	/	<=13	Pass
	2685	Outer_Full	5.95	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2501.01	Outer_Full	6.48	/	/	<=13	Pass
	2592.99	Outer_Full	6.36	/	/	<=13	Pass
	2685	Outer_Full	6.38	/	/	<=13	Pass
CP-OFDM QPSK	2501.01	Outer_Full	6.66	/	/	<=13	Pass
	2592.99	Outer_Full	6.33	/	/	<=13	Pass
	2685	Outer_Full	6.59	/	/	<=13	Pass
CP-OFDM 16 QAM	2501.01	Outer_Full	6.73	/	/	<=13	Pass
	2592.99	Outer_Full	6.24	/	/	<=13	Pass
	2685	Outer_Full	6.53	/	/	<=13	Pass
CP-OFDM 64 QAM	2501.01	Outer_Full	6.78	/	/	<=13	Pass
	2592.99	Outer_Full	6.34	/	/	<=13	Pass
	2685	Outer_Full	6.61	/	/	<=13	Pass
CP-OFDM 256 QAM	2501.01	Outer_Full	7.90	/	/	<=13	Pass
	2592.99	Outer_Full	7.71	/	/	<=13	Pass
	2685	Outer_Full	7.80	/	/	<=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
			Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2503.5	Outer_Full	3.99	/	/	<=13	Pass
	2592.99	Outer_Full	4.04	/	/	<=13	Pass
	2682.48	Outer_Full	4.28	/	/	<=13	Pass
DFT-s-OFDM QPSK	2503.5	Outer_Full	5.11	/	/	<=13	Pass
	2592.99	Outer_Full	4.88	/	/	<=13	Pass
	2682.48	Outer_Full	5.13	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2503.5	Outer_Full	6.08	/	/	<=13	Pass
	2592.99	Outer_Full	5.67	/	/	<=13	Pass
	2682.48	Outer_Full	5.86	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2503.5	Outer_Full	6.16	/	/	<=13	Pass
	2592.99	Outer_Full	5.86	/	/	<=13	Pass
	2682.48	Outer_Full	5.94	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	2503.5	Outer_Full	6.43	/	/	<=13	Pass
	2592.99	Outer_Full	6.19	/	/	<=13	Pass
	2682.48	Outer_Full	6.25	/	/	<=13	Pass
CP-OFDM QPSK	2503.5	Outer_Full	6.64	/	/	<=13	Pass
	2592.99	Outer_Full	6.44	/	/	<=13	Pass
	2682.48	Outer_Full	6.45	/	/	<=13	Pass
CP-OFDM 16 QAM	2503.5	Outer_Full	6.65	/	/	<=13	Pass
	2592.99	Outer_Full	6.43	/	/	<=13	Pass
	2682.48	Outer_Full	6.46	/	/	<=13	Pass
CP-OFDM 64 QAM	2503.5	Outer_Full	6.72	/	/	<=13	Pass
	2592.99	Outer_Full	6.46	/	/	<=13	Pass
	2682.48	Outer_Full	6.49	/	/	<=13	Pass
CP-OFDM 256 QAM	2503.5	Outer_Full	8.20	/	/	<=13	Pass
	2592.99	Outer_Full	7.93	/	/	<=13	Pass
	2682.48	Outer_Full	8.01	/	/	<=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
			Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2506.02	Outer_Full	4.09	/	/	<=13	Pass
	2592.99	Outer_Full	4.05	/	/	<=13	Pass
	2679.99	Outer_Full	4.04	/	/	<=13	Pass
DFT-s-OFDM QPSK	2506.02	Outer_Full	5.45	/	/	<=13	Pass
	2592.99	Outer_Full	4.95	/	/	<=13	Pass
	2679.99	Outer_Full	5.08	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2506.02	Outer_Full	6.09	/	/	<=13	Pass
	2592.99	Outer_Full	5.67	/	/	<=13	Pass
	2679.99	Outer_Full	5.84	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2506.02	Outer_Full	6.18	/	/	<=13	Pass
	2592.99	Outer_Full	5.84	/	/	<=13	Pass
	2679.99	Outer_Full	5.89	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2506.02	Outer_Full	6.60	/	/	<=13	Pass
	2592.99	Outer_Full	6.31	/	/	<=13	Pass
	2679.99	Outer_Full	6.38	/	/	<=13	Pass
CP-OFDM QPSK	2506.02	Outer_Full	6.61	/	/	<=13	Pass
	2592.99	Outer_Full	6.41	/	/	<=13	Pass
	2679.99	Outer_Full	6.34	/	/	<=13	Pass
CP-OFDM 16 QAM	2506.02	Outer_Full	6.73	/	/	<=13	Pass
	2592.99	Outer_Full	6.45	/	/	<=13	Pass
	2679.99	Outer_Full	6.41	/	/	<=13	Pass
CP-OFDM 64 QAM	2506.02	Outer_Full	6.79	/	/	<=13	Pass
	2592.99	Outer_Full	6.47	/	/	<=13	Pass
	2679.99	Outer_Full	6.44	/	/	<=13	Pass
CP-OFDM 256 QAM	2506.02	Outer_Full	8.16	/	/	<=13	Pass
	2592.99	Outer_Full	7.86	/	/	<=13	Pass
	2679.99	Outer_Full	7.94	/	/	<=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
			Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2511	Outer_Full	4.30	/	/	<=13	Pass
	2592.99	Outer_Full	3.99	/	/	<=13	Pass

	2674.98	Outer_Full	3.99	/	/	<=13	Pass
DFT-s-OFDM QPSK	2511	Outer_Full	5.32	/	/	<=13	Pass
	2592.99	Outer_Full	4.85	/	/	<=13	Pass
	2674.98	Outer_Full	4.86	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2511	Outer_Full	6.11	/	/	<=13	Pass
	2592.99	Outer_Full	5.68	/	/	<=13	Pass
	2674.98	Outer_Full	5.76	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2511	Outer_Full	6.34	/	/	<=13	Pass
	2592.99	Outer_Full	5.86	/	/	<=13	Pass
	2674.98	Outer_Full	5.89	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2511	Outer_Full	6.51	/	/	<=13	Pass
	2592.99	Outer_Full	6.24	/	/	<=13	Pass
	2674.98	Outer_Full	6.27	/	/	<=13	Pass
CP-OFDM QPSK	2511	Outer_Full	7.18	/	/	<=13	Pass
	2592.99	Outer_Full	6.39	/	/	<=13	Pass
	2674.98	Outer_Full	6.33	/	/	<=13	Pass
CP-OFDM 16 QAM	2511	Outer_Full	7.15	/	/	<=13	Pass
	2592.99	Outer_Full	6.40	/	/	<=13	Pass
	2674.98	Outer_Full	6.26	/	/	<=13	Pass
CP-OFDM 64 QAM	2511	Outer_Full	7.22	/	/	<=13	Pass
	2592.99	Outer_Full	6.43	/	/	<=13	Pass
	2674.98	Outer_Full	6.31	/	/	<=13	Pass
CP-OFDM 256 QAM	2511	Outer_Full	8.32	/	/	<=13	Pass
	2592.99	Outer_Full	7.89	/	/	<=13	Pass
	2674.98	Outer_Full	7.91	/	/	<=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
			Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2516.01	Outer_Full	4.37	/	/	<=13	Pass
	2592.99	Outer_Full	3.98	/	/	<=13	Pass
	2670	Outer_Full	4.08	/	/	<=13	Pass
DFT-s-OFDM QPSK	2516.01	Outer_Full	5.37	/	/	<=13	Pass
	2592.99	Outer_Full	4.85	/	/	<=13	Pass
	2670	Outer_Full	4.91	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2516.01	Outer_Full	6.21	/	/	<=13	Pass
	2592.99	Outer_Full	5.73	/	/	<=13	Pass
	2670	Outer_Full	5.75	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2516.01	Outer_Full	6.37	/	/	<=13	Pass
	2592.99	Outer_Full	5.90	/	/	<=13	Pass
	2670	Outer_Full	5.93	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2516.01	Outer_Full	6.46	/	/	<=13	Pass
	2592.99	Outer_Full	6.21	/	/	<=13	Pass
	2670	Outer_Full	6.24	/	/	<=13	Pass
CP-OFDM QPSK	2516.01	Outer_Full	7.17	/	/	<=13	Pass
	2592.99	Outer_Full	6.44	/	/	<=13	Pass
	2670	Outer_Full	6.47	/	/	<=13	Pass
CP-OFDM 16 QAM	2516.01	Outer_Full	7.19	/	/	<=13	Pass
	2592.99	Outer_Full	6.47	/	/	<=13	Pass
	2670	Outer_Full	6.46	/	/	<=13	Pass
CP-OFDM 64 QAM	2516.01	Outer_Full	7.28	/	/	<=13	Pass
	2592.99	Outer_Full	6.49	/	/	<=13	Pass
	2670	Outer_Full	6.49	/	/	<=13	Pass
CP-OFDM 256 QAM	2516.01	Outer_Full	8.32	/	/	<=13	Pass
	2592.99	Outer_Full	7.98	/	/	<=13	Pass

	2670	Outer_Full	8.05	/	/	<=13	Pass
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4.1.6 30k_SISO_50MHz_NTNV

5G NR n41 SCS=30kHz SISO 50MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2521.02	Outer_Full	4.77	/	/	<=13	Pass
	2592.99	Outer_Full	4.12	/	/	<=13	Pass
	2664.99	Outer_Full	4.19	/	/	<=13	Pass
DFT-s-OFDM QPSK	2521.02	Outer_Full	5.41	/	/	<=13	Pass
	2592.99	Outer_Full	4.93	/	/	<=13	Pass
	2664.99	Outer_Full	5.01	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2521.02	Outer_Full	6.22	/	/	<=13	Pass
	2592.99	Outer_Full	5.79	/	/	<=13	Pass
	2664.99	Outer_Full	5.86	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2521.02	Outer_Full	6.39	/	/	<=13	Pass
	2592.99	Outer_Full	5.98	/	/	<=13	Pass
	2664.99	Outer_Full	6.05	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2521.02	Outer_Full	6.57	/	/	<=13	Pass
	2592.99	Outer_Full	6.34	/	/	<=13	Pass
	2664.99	Outer_Full	6.37	/	/	<=13	Pass
CP-OFDM QPSK	2521.02	Outer_Full	7.29	/	/	<=13	Pass
	2592.99	Outer_Full	6.54	/	/	<=13	Pass
	2664.99	Outer_Full	6.66	/	/	<=13	Pass
CP-OFDM 16 QAM	2521.02	Outer_Full	7.23	/	/	<=13	Pass
	2592.99	Outer_Full	6.54	/	/	<=13	Pass
	2664.99	Outer_Full	6.61	/	/	<=13	Pass
CP-OFDM 64 QAM	2521.02	Outer_Full	7.37	/	/	<=13	Pass
	2592.99	Outer_Full	6.60	/	/	<=13	Pass
	2664.99	Outer_Full	6.69	/	/	<=13	Pass
CP-OFDM 256 QAM	2521.02	Outer_Full	8.31	/	/	<=13	Pass
	2592.99	Outer_Full	8.02	/	/	<=13	Pass
	2664.99	Outer_Full	8.13	/	/	<=13	Pass

4.1.7 30k_SISO_60MHz_NTNV

5G NR n41 SCS=30kHz SISO 60MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2526	Outer_Full	4.51	/	/	<=13	Pass
	2592.99	Outer_Full	4.04	/	/	<=13	Pass
	2659.98	Outer_Full	4.00	/	/	<=13	Pass
DFT-s-OFDM QPSK	2526	Outer_Full	5.51	/	/	<=13	Pass
	2592.99	Outer_Full	5.02	/	/	<=13	Pass
	2659.98	Outer_Full	5.05	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2526	Outer_Full	6.26	/	/	<=13	Pass
	2592.99	Outer_Full	5.82	/	/	<=13	Pass
	2659.98	Outer_Full	5.85	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2526	Outer_Full	6.34	/	/	<=13	Pass
	2592.99	Outer_Full	6.08	/	/	<=13	Pass
	2659.98	Outer_Full	6.16	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2526	Outer_Full	6.66	/	/	<=13	Pass
	2592.99	Outer_Full	6.41	/	/	<=13	Pass
	2659.98	Outer_Full	6.43	/	/	<=13	Pass
CP-OFDM QPSK	2526	Outer_Full	7.13	/	/	<=13	Pass

CP-OFDM 16 QAM	2592.99	Outer_Full	6.65	/	/	<=13	Pass
	2659.98	Outer_Full	6.78	/	/	<=13	Pass
	2526	Outer_Full	7.13	/	/	<=13	Pass
	2592.99	Outer_Full	6.63	/	/	<=13	Pass
	2659.98	Outer_Full	6.72	/	/	<=13	Pass
CP-OFDM 64 QAM	2526	Outer_Full	7.22	/	/	<=13	Pass
	2592.99	Outer_Full	6.74	/	/	<=13	Pass
	2659.98	Outer_Full	6.81	/	/	<=13	Pass
CP-OFDM 256 QAM	2526	Outer_Full	8.27	/	/	<=13	Pass
	2592.99	Outer_Full	8.06	/	/	<=13	Pass
	2659.98	Outer_Full	8.10	/	/	<=13	Pass

4.1.8 30k_SISO_70MHz_NTNV

5G NR n41 SCS=30kHz SISO 70MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2531.01	Outer_Full	4.57	/	/	<=13	Pass
	2592.99	Outer_Full	4.23	/	/	<=13	Pass
	2655	Outer_Full	4.17	/	/	<=13	Pass
DFT-s-OFDM QPSK	2531.01	Outer_Full	5.63	/	/	<=13	Pass
	2592.99	Outer_Full	5.16	/	/	<=13	Pass
	2655	Outer_Full	5.26	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2531.01	Outer_Full	6.25	/	/	<=13	Pass
	2592.99	Outer_Full	5.84	/	/	<=13	Pass
	2655	Outer_Full	5.94	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2531.01	Outer_Full	6.45	/	/	<=13	Pass
	2592.99	Outer_Full	6.13	/	/	<=13	Pass
	2655	Outer_Full	6.21	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2531.01	Outer_Full	6.64	/	/	<=13	Pass
	2592.99	Outer_Full	6.37	/	/	<=13	Pass
	2655	Outer_Full	6.45	/	/	<=13	Pass
CP-OFDM QPSK	2531.01	Outer_Full	6.95	/	/	<=13	Pass
	2592.99	Outer_Full	6.79	/	/	<=13	Pass
	2655	Outer_Full	6.98	/	/	<=13	Pass
CP-OFDM 16 QAM	2531.01	Outer_Full	7.04	/	/	<=13	Pass
	2592.99	Outer_Full	6.84	/	/	<=13	Pass
	2655	Outer_Full	6.99	/	/	<=13	Pass
CP-OFDM 64 QAM	2531.01	Outer_Full	7.22	/	/	<=13	Pass
	2592.99	Outer_Full	6.94	/	/	<=13	Pass
	2655	Outer_Full	7.10	/	/	<=13	Pass
CP-OFDM 256 QAM	2531.01	Outer_Full	8.35	/	/	<=13	Pass
	2592.99	Outer_Full	8.12	/	/	<=13	Pass
	2655	Outer_Full	8.19	/	/	<=13	Pass

4.1.9 30k_SISO_80MHz_NTNV

5G NR n41 SCS=30kHz SISO 80MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2536.02	Outer_Full	4.39	/	/	<=13	Pass
	2592.99	Outer_Full	4.17	/	/	<=13	Pass
	2649.99	Outer_Full	4.38	/	/	<=13	Pass
DFT-s-OFDM QPSK	2536.02	Outer_Full	5.58	/	/	<=13	Pass
	2592.99	Outer_Full	5.04	/	/	<=13	Pass
	2649.99	Outer_Full	5.20	/	/	<=13	Pass

DFT-s-OFDM 16 QAM	2536.02	Outer Full	6.29	/	/	<=13	Pass
	2592.99	Outer Full	5.89	/	/	<=13	Pass
	2649.99	Outer Full	6.00	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2536.02	Outer Full	6.40	/	/	<=13	Pass
	2592.99	Outer Full	6.13	/	/	<=13	Pass
	2649.99	Outer Full	6.26	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2536.02	Outer Full	6.67	/	/	<=13	Pass
	2592.99	Outer Full	6.39	/	/	<=13	Pass
	2649.99	Outer Full	6.45	/	/	<=13	Pass
CP-OFDM QPSK	2536.02	Outer Full	7.03	/	/	<=13	Pass
	2592.99	Outer Full	6.79	/	/	<=13	Pass
	2649.99	Outer Full	6.99	/	/	<=13	Pass
CP-OFDM 16 QAM	2536.02	Outer Full	6.97	/	/	<=13	Pass
	2592.99	Outer Full	6.78	/	/	<=13	Pass
	2649.99	Outer Full	6.95	/	/	<=13	Pass
CP-OFDM 64 QAM	2536.02	Outer Full	7.10	/	/	<=13	Pass
	2592.99	Outer Full	6.84	/	/	<=13	Pass
	2649.99	Outer Full	7.01	/	/	<=13	Pass
CP-OFDM 256 QAM	2536.02	Outer Full	8.40	/	/	<=13	Pass
	2592.99	Outer Full	8.21	/	/	<=13	Pass
	2649.99	Outer Full	8.28	/	/	<=13	Pass

4.1.10 30k_SISO_90MHz_NTNV

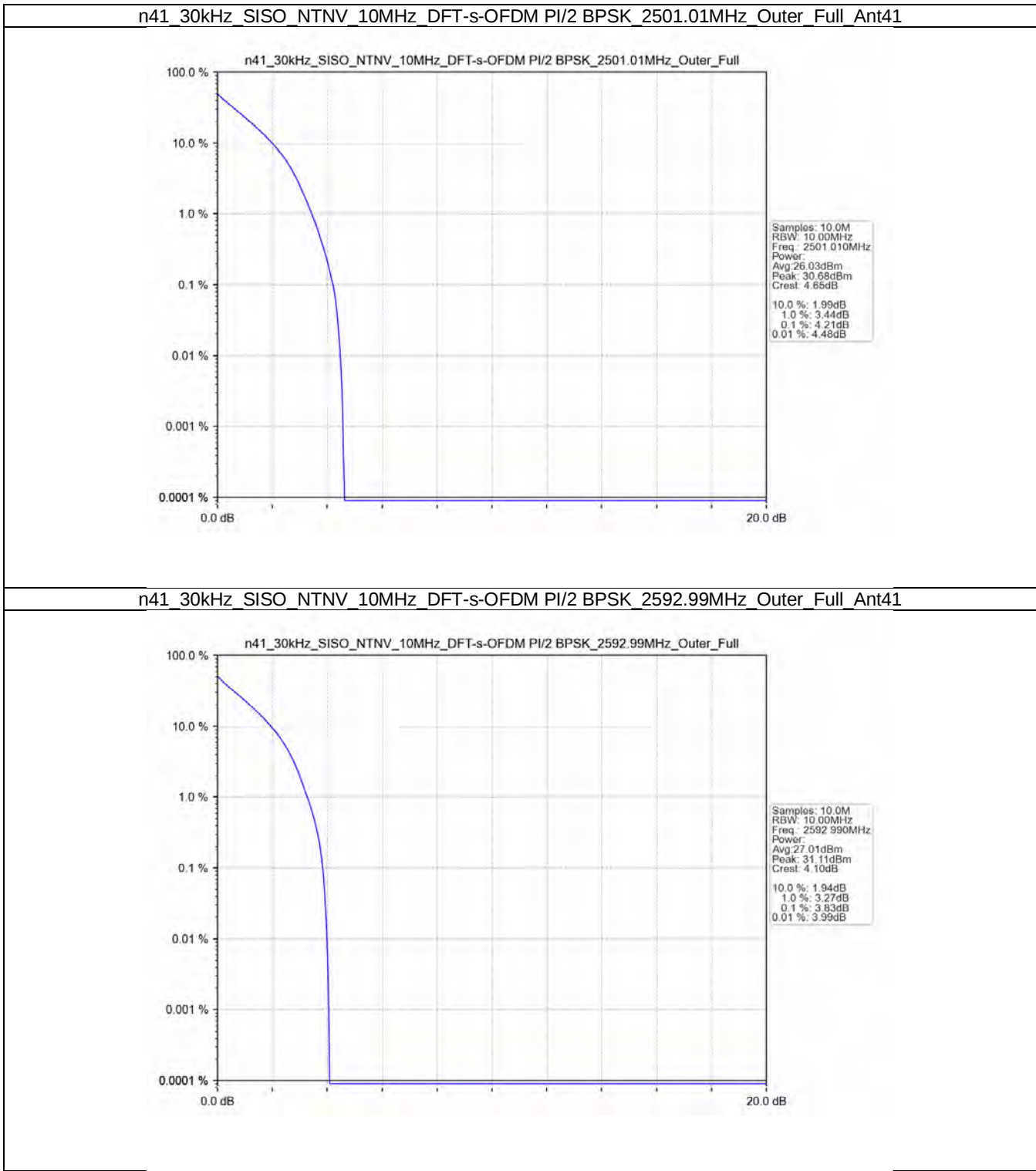
5G NR n41 SCS=30kHz SISO 90MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2541	Outer Full	4.54	/	/	<=13	Pass
	2592.99	Outer Full	3.99	/	/	<=13	Pass
	2644.98	Outer Full	4.13	/	/	<=13	Pass
DFT-s-OFDM QPSK	2541	Outer Full	5.43	/	/	<=13	Pass
	2592.99	Outer Full	4.99	/	/	<=13	Pass
	2644.98	Outer Full	5.22	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2541	Outer Full	6.17	/	/	<=13	Pass
	2592.99	Outer Full	5.85	/	/	<=13	Pass
	2644.98	Outer Full	6.01	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2541	Outer Full	6.38	/	/	<=13	Pass
	2592.99	Outer Full	6.11	/	/	<=13	Pass
	2644.98	Outer Full	6.09	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2541	Outer Full	6.65	/	/	<=13	Pass
	2592.99	Outer Full	6.40	/	/	<=13	Pass
	2644.98	Outer Full	6.51	/	/	<=13	Pass
CP-OFDM QPSK	2541	Outer Full	7.07	/	/	<=13	Pass
	2592.99	Outer Full	6.77	/	/	<=13	Pass
	2644.98	Outer Full	7.06	/	/	<=13	Pass
CP-OFDM 16 QAM	2541	Outer Full	7.06	/	/	<=13	Pass
	2592.99	Outer Full	6.78	/	/	<=13	Pass
	2644.98	Outer Full	7.03	/	/	<=13	Pass
CP-OFDM 64 QAM	2541	Outer Full	7.19	/	/	<=13	Pass
	2592.99	Outer Full	6.88	/	/	<=13	Pass
	2644.98	Outer Full	7.11	/	/	<=13	Pass
CP-OFDM 256 QAM	2541	Outer Full	8.33	/	/	<=13	Pass
	2592.99	Outer Full	8.16	/	/	<=13	Pass
	2644.98	Outer Full	8.20	/	/	<=13	Pass

4.1.11 30k_SISO_100MHz_NTNV

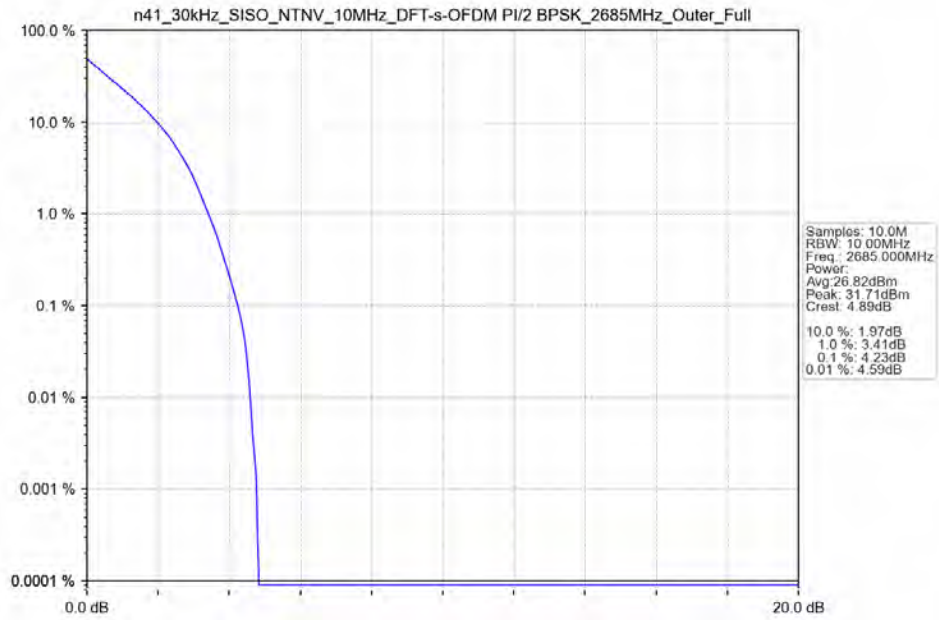
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Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant41	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2546.01	Outer_Full	4.34	/	/	<=13	Pass
	2592.99	Outer_Full	3.79	/	/	<=13	Pass
	2640	Outer_Full	4.75	/	/	<=13	Pass
DFT-s-OFDM QPSK	2546.01	Outer_Full	5.54	/	/	<=13	Pass
	2592.99	Outer_Full	5.25	/	/	<=13	Pass
	2640	Outer_Full	5.29	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2546.01	Outer_Full	6.29	/	/	<=13	Pass
	2592.99	Outer_Full	6.01	/	/	<=13	Pass
	2640	Outer_Full	6.01	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2546.01	Outer_Full	6.35	/	/	<=13	Pass
	2592.99	Outer_Full	6.11	/	/	<=13	Pass
	2640	Outer_Full	6.19	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2546.01	Outer_Full	6.68	/	/	<=13	Pass
	2592.99	Outer_Full	6.43	/	/	<=13	Pass
	2640	Outer_Full	6.50	/	/	<=13	Pass
CP-OFDM QPSK	2546.01	Outer_Full	6.99	/	/	<=13	Pass
	2592.99	Outer_Full	6.63	/	/	<=13	Pass
	2640	Outer_Full	6.93	/	/	<=13	Pass
CP-OFDM 16 QAM	2546.01	Outer_Full	7.02	/	/	<=13	Pass
	2592.99	Outer_Full	6.63	/	/	<=13	Pass
	2640	Outer_Full	6.90	/	/	<=13	Pass
CP-OFDM 64 QAM	2546.01	Outer_Full	7.12	/	/	<=13	Pass
	2592.99	Outer_Full	6.71	/	/	<=13	Pass
	2640	Outer_Full	6.96	/	/	<=13	Pass
CP-OFDM 256 QAM	2546.01	Outer_Full	8.32	/	/	<=13	Pass
	2592.99	Outer_Full	8.15	/	/	<=13	Pass
	2640	Outer_Full	8.19	/	/	<=13	Pass

4.2 Test Graph

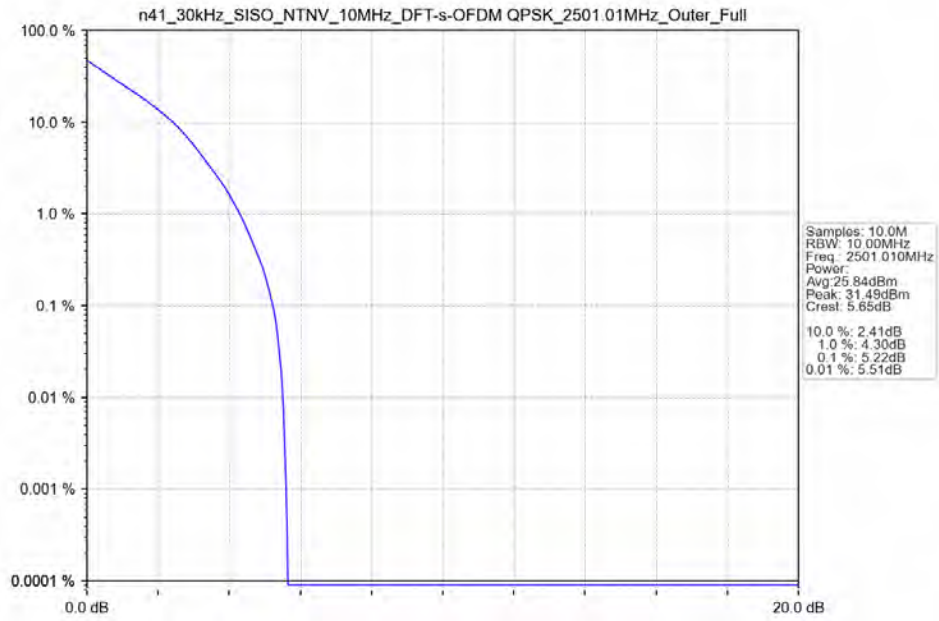
4.2.1 30k_SISO_10MHz_NTNV



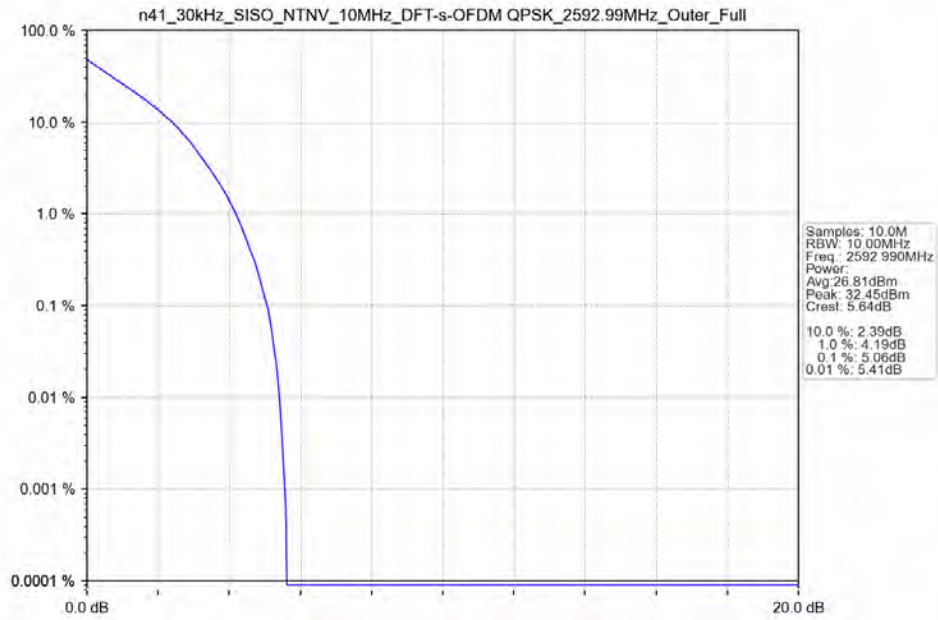
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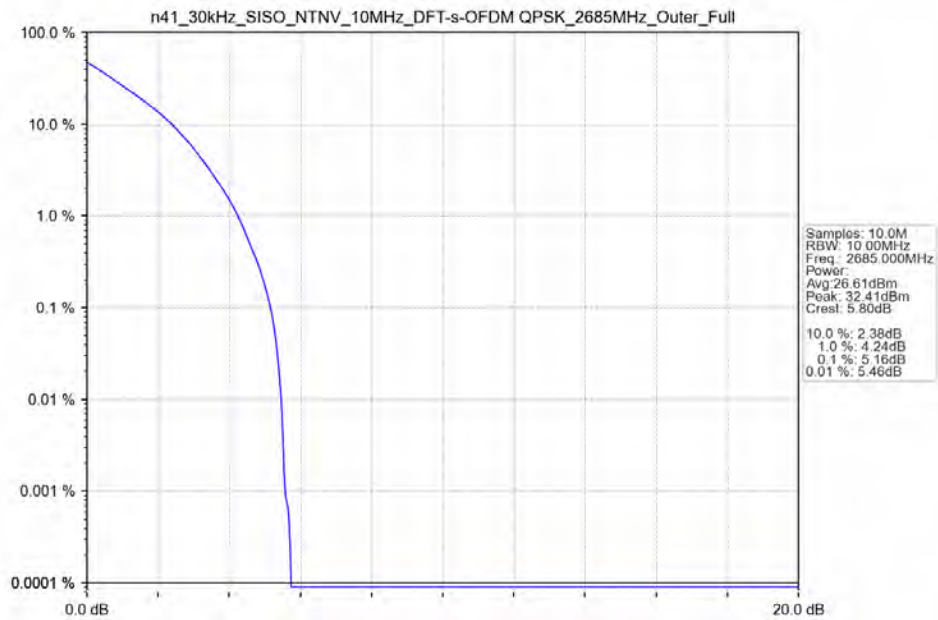
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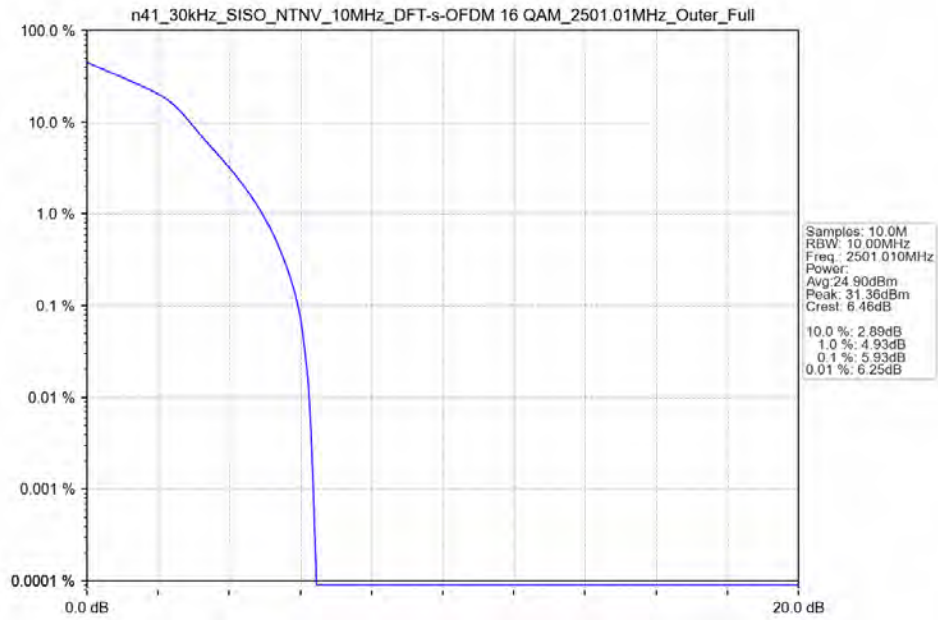
n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2592.99MHz_Outer_Full_Ant41



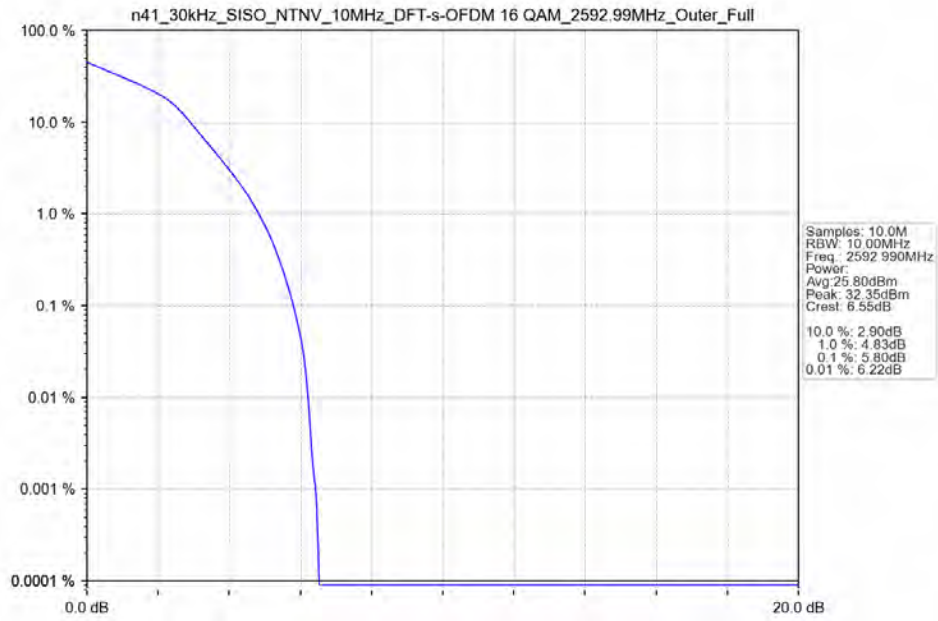
n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2685MHz_Outer_Full_Ant41



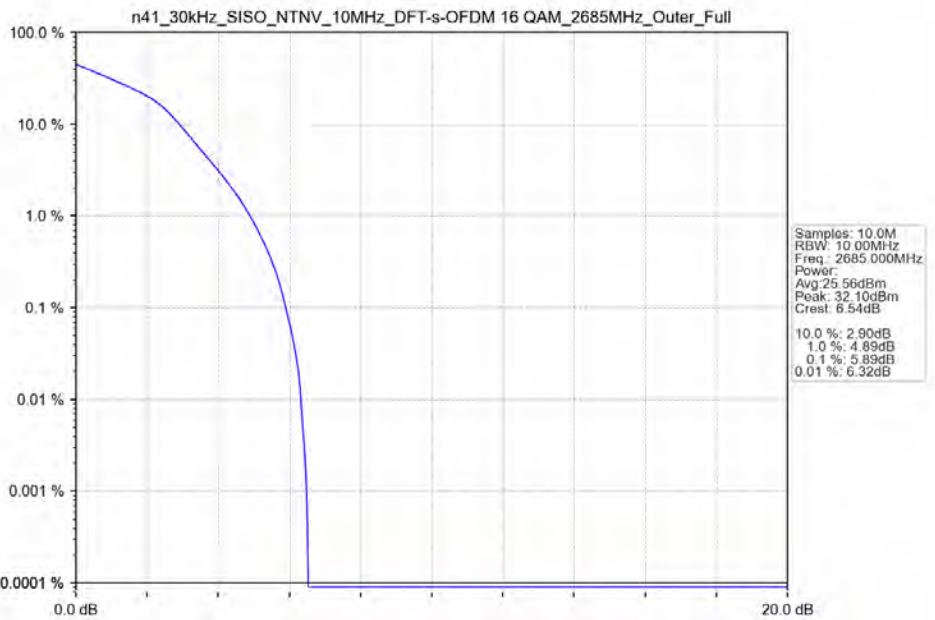
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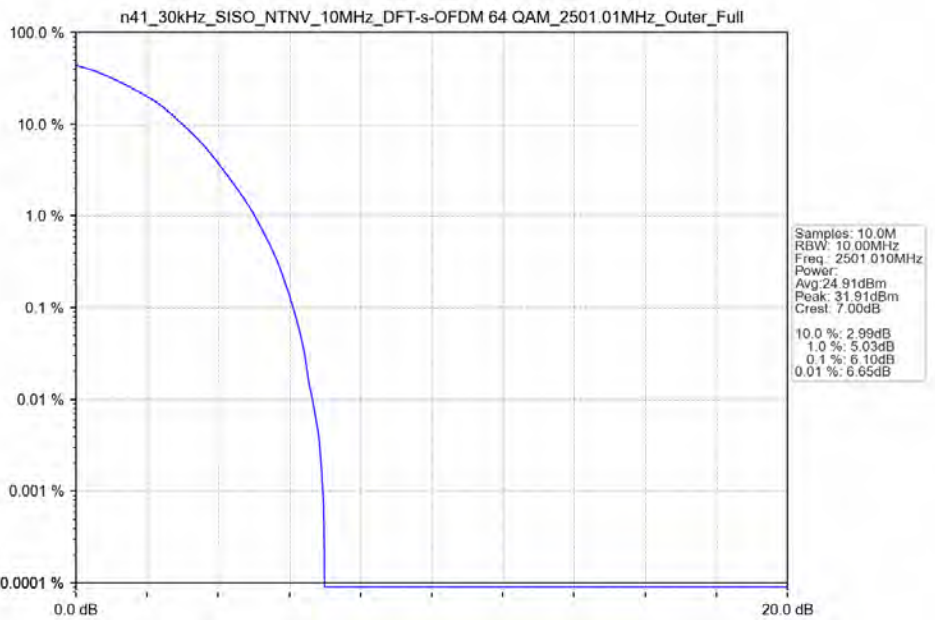
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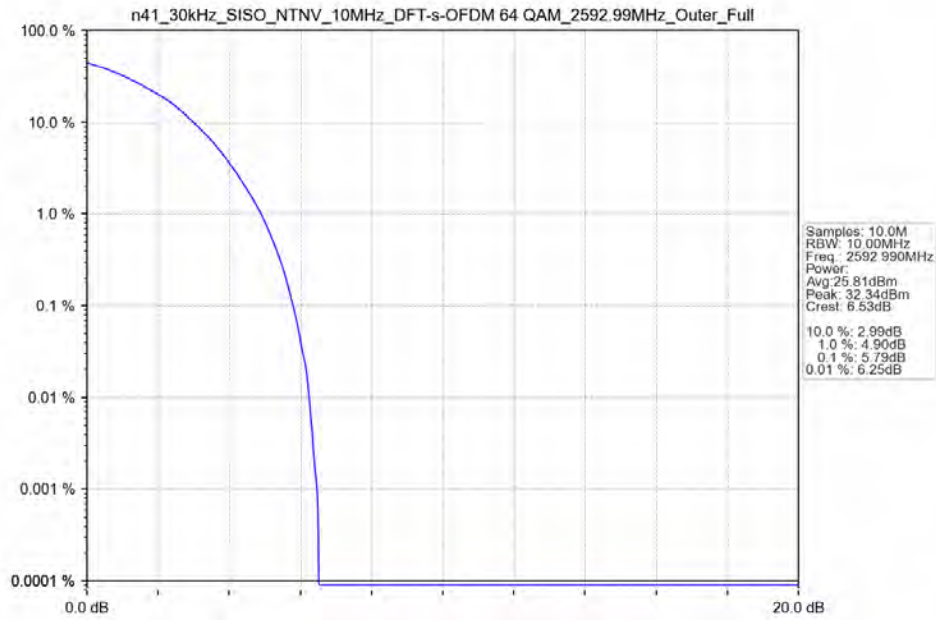
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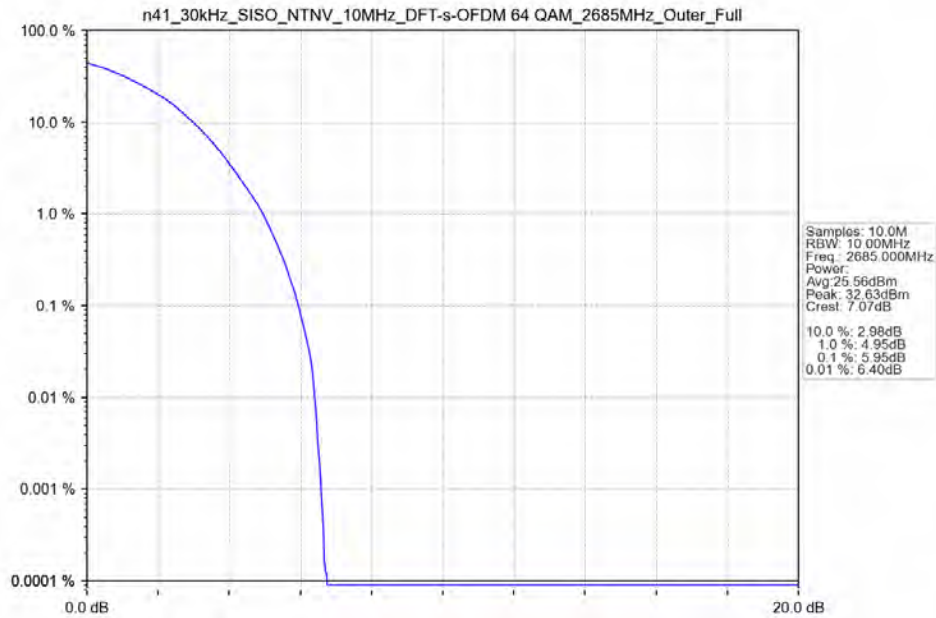
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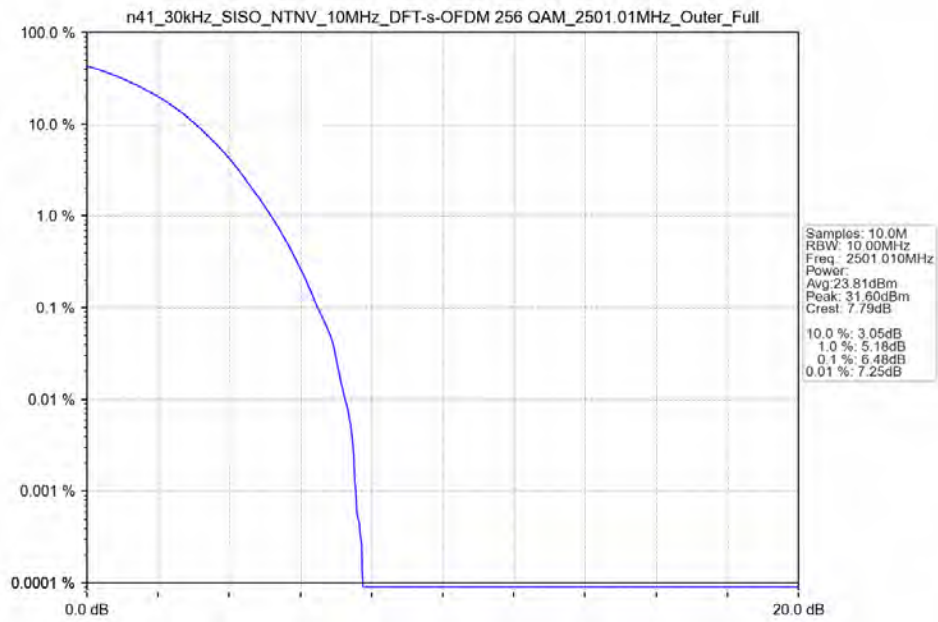
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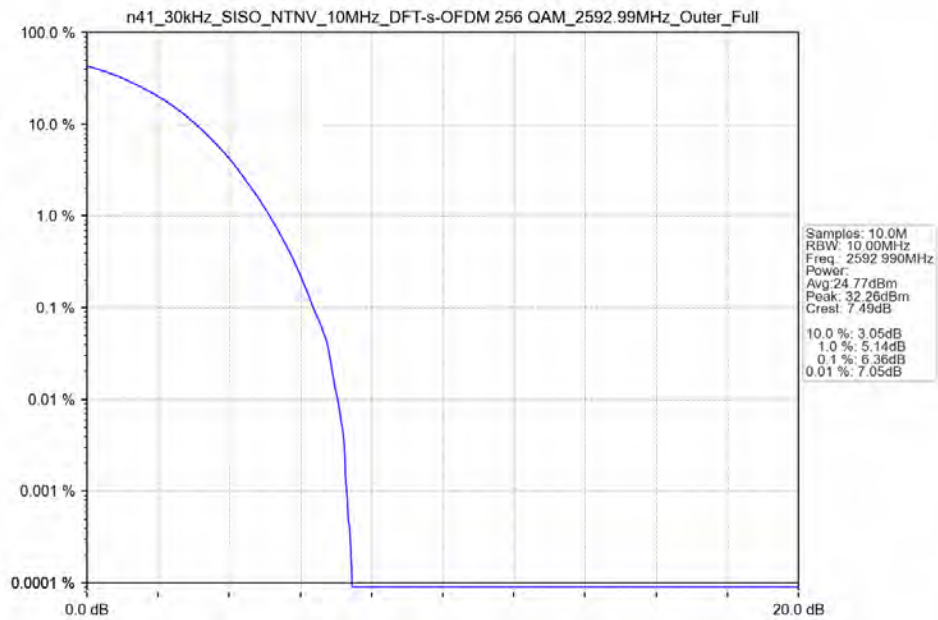
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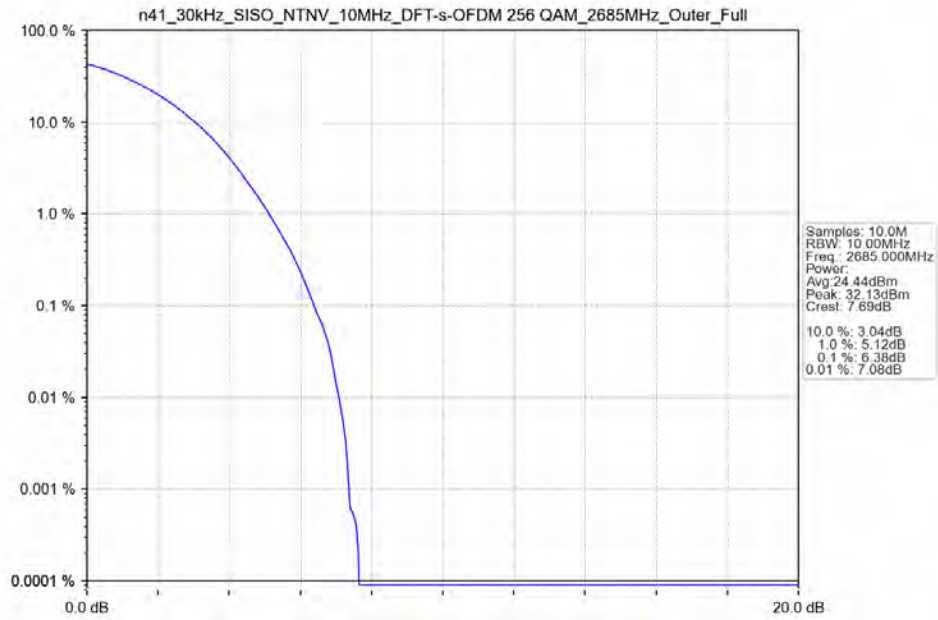
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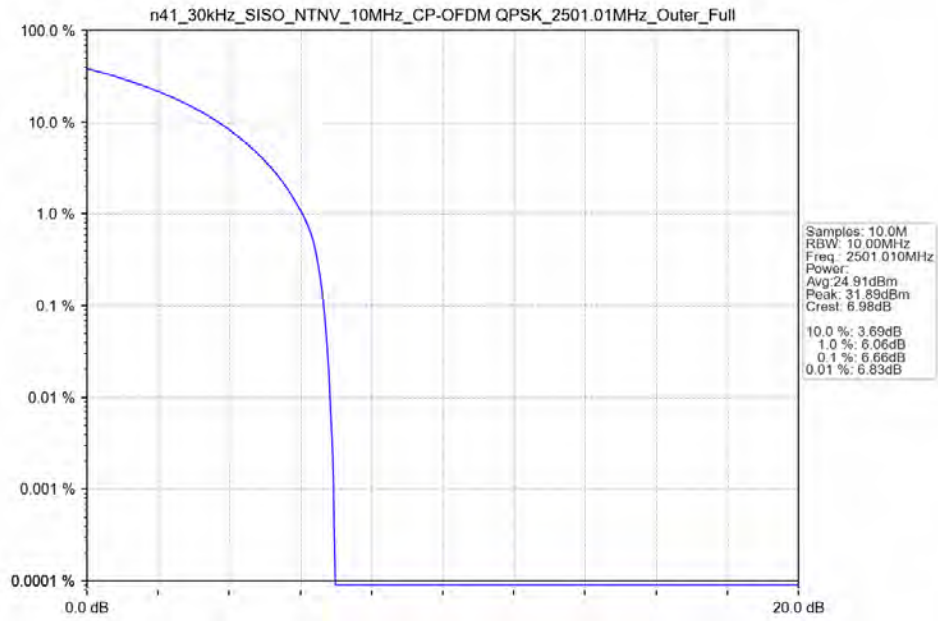
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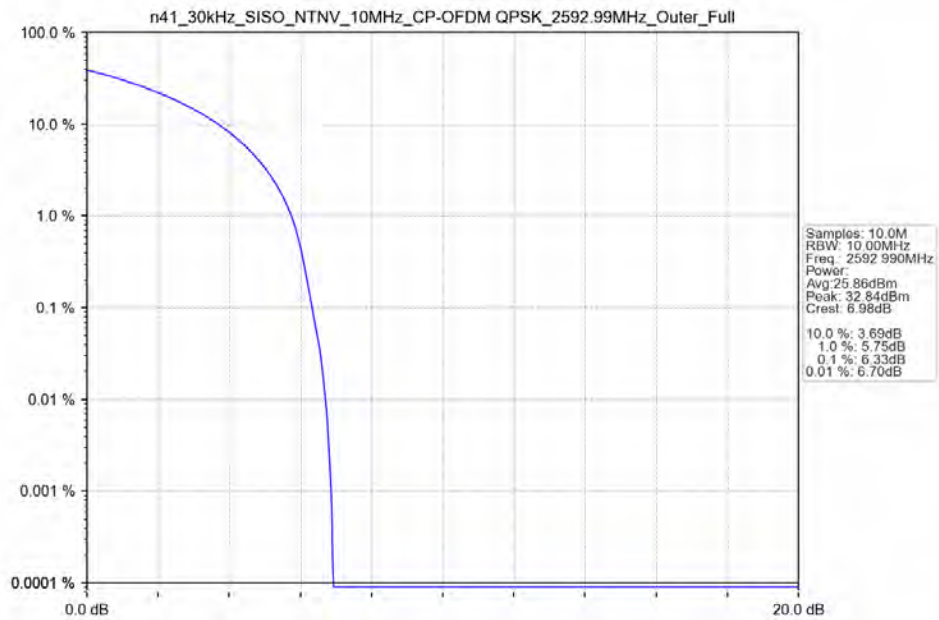
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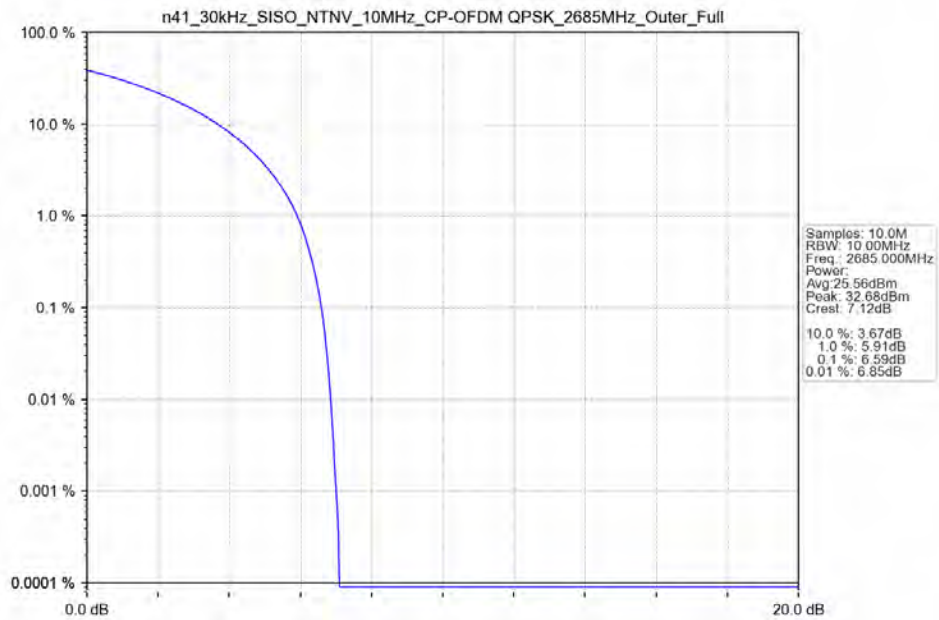
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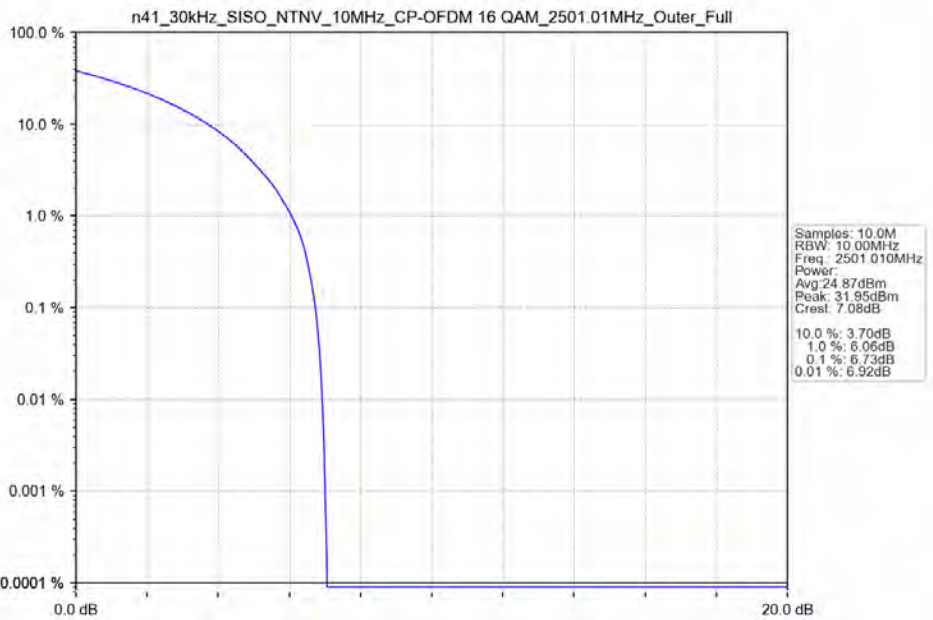
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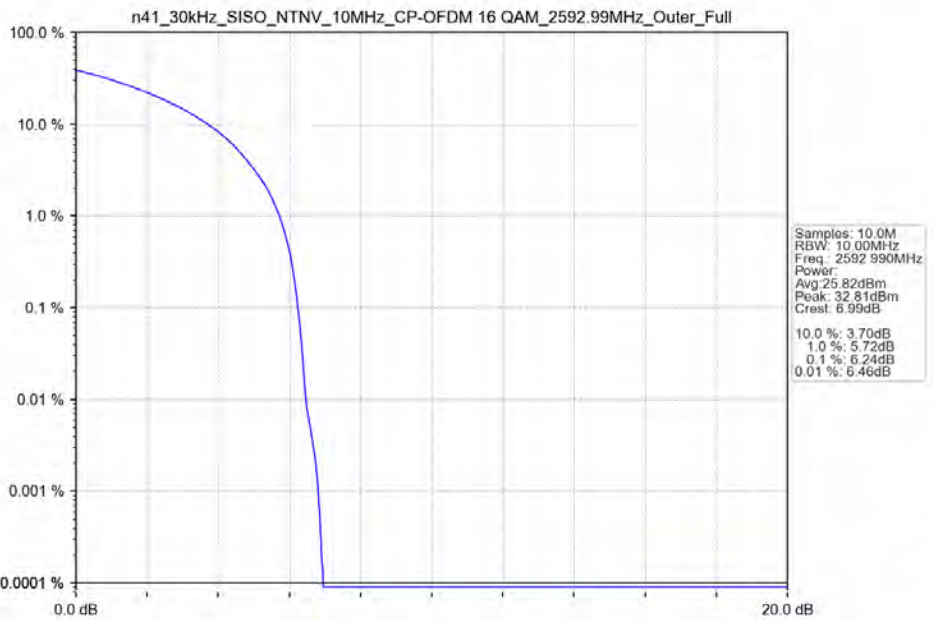
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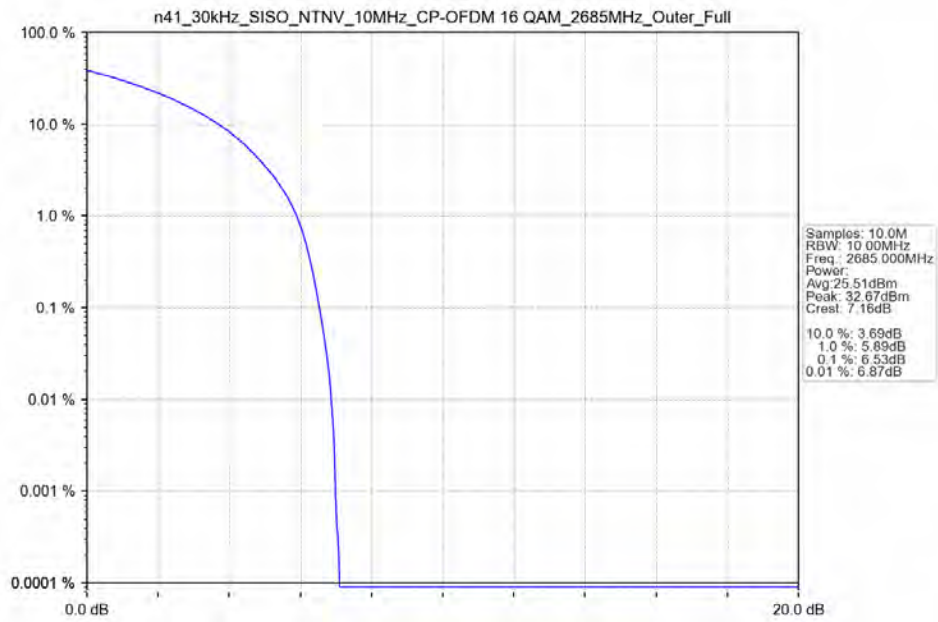
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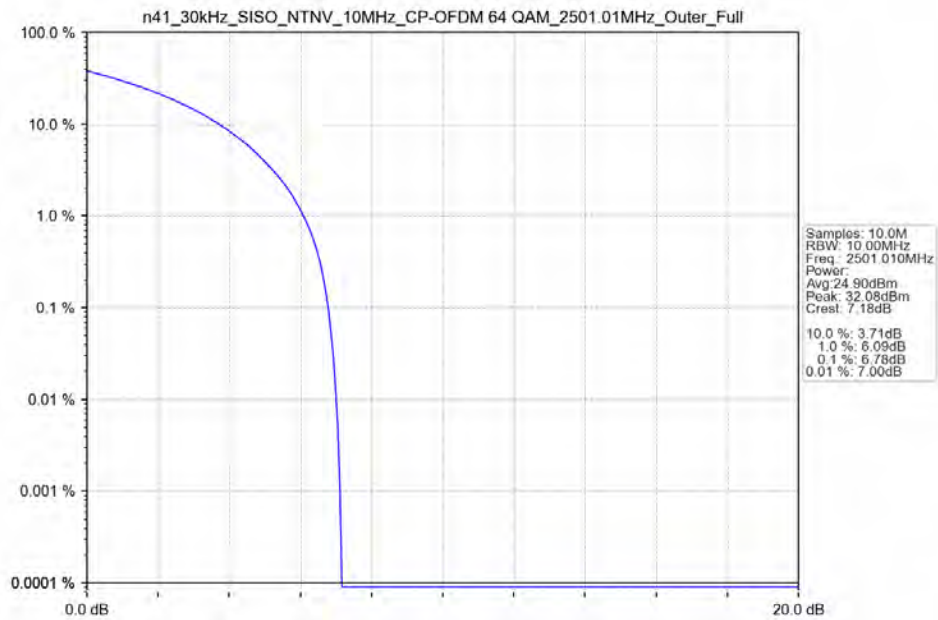
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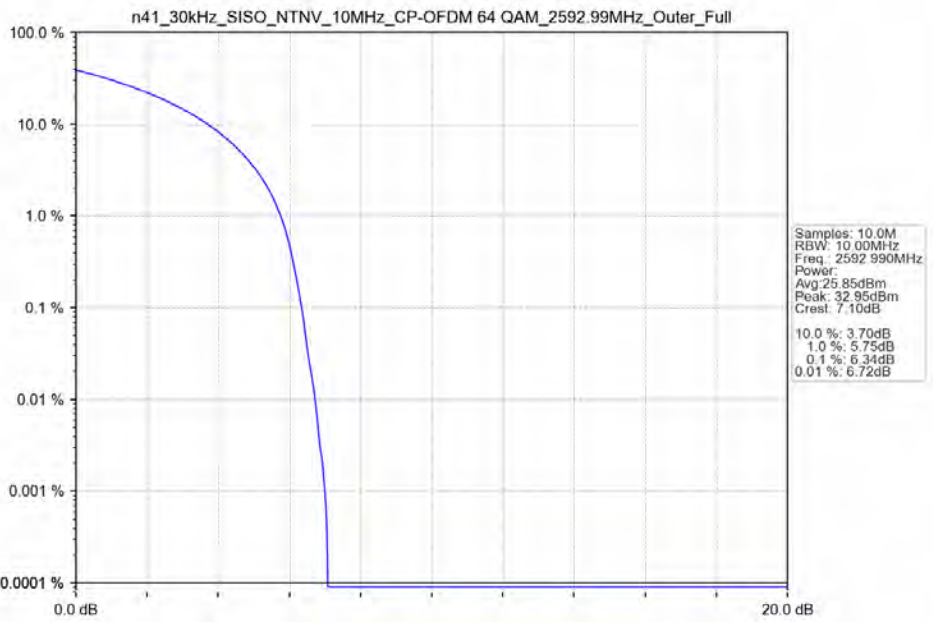
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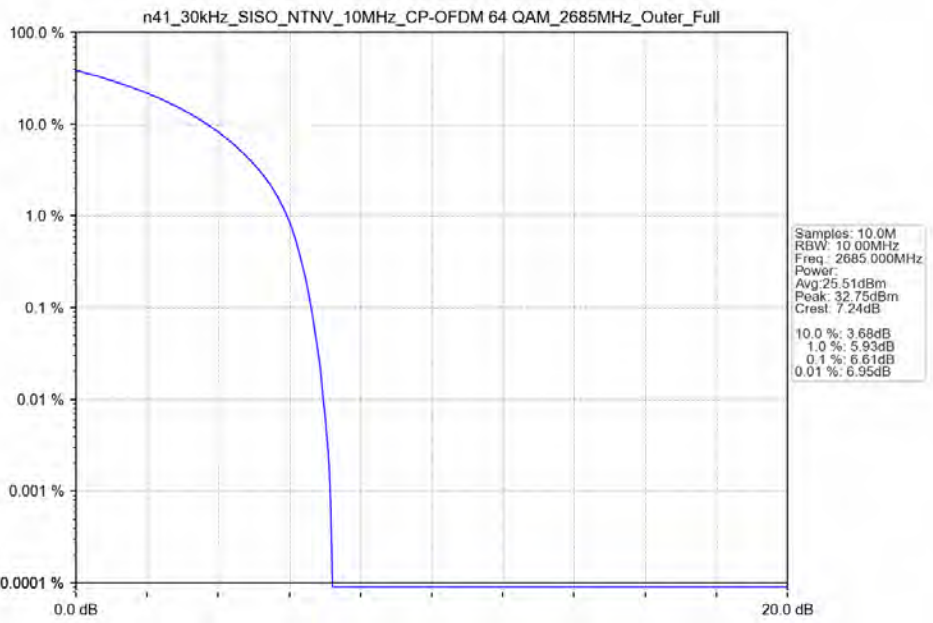
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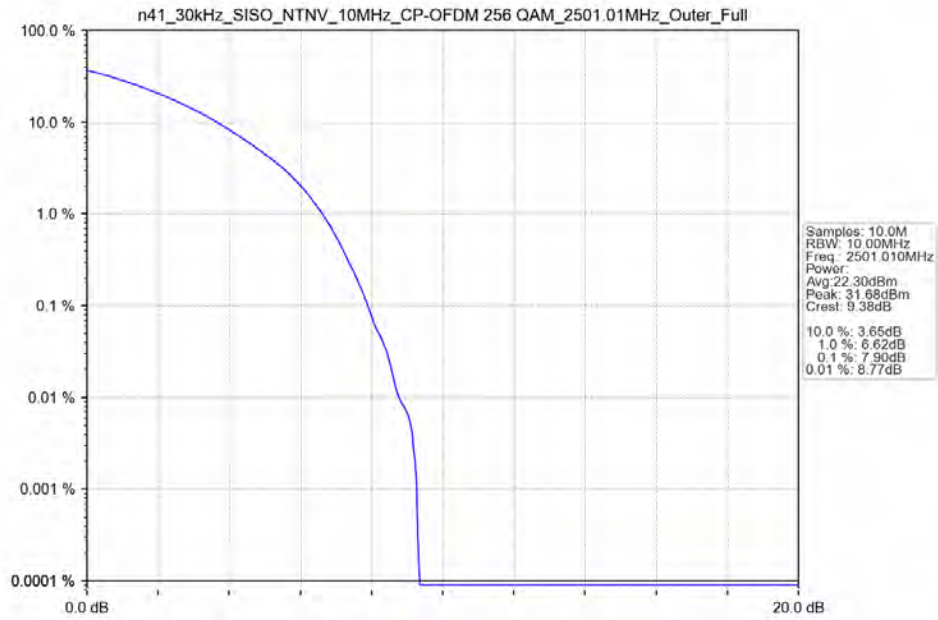
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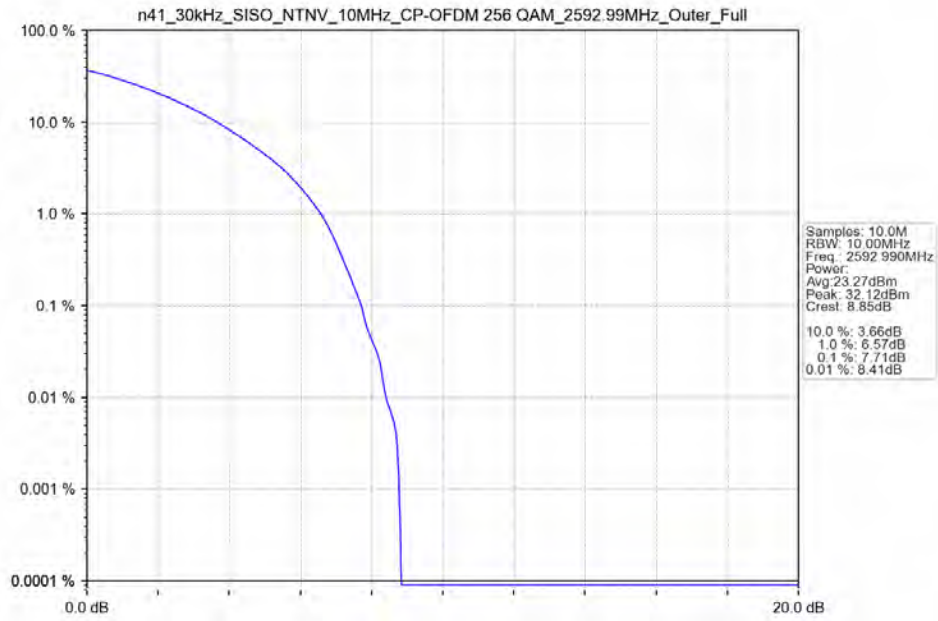
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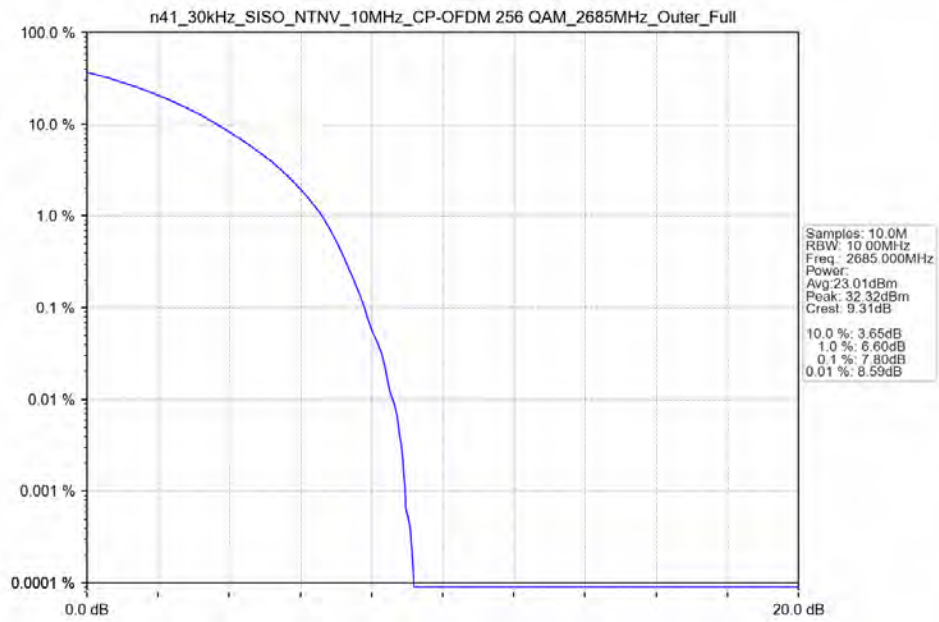
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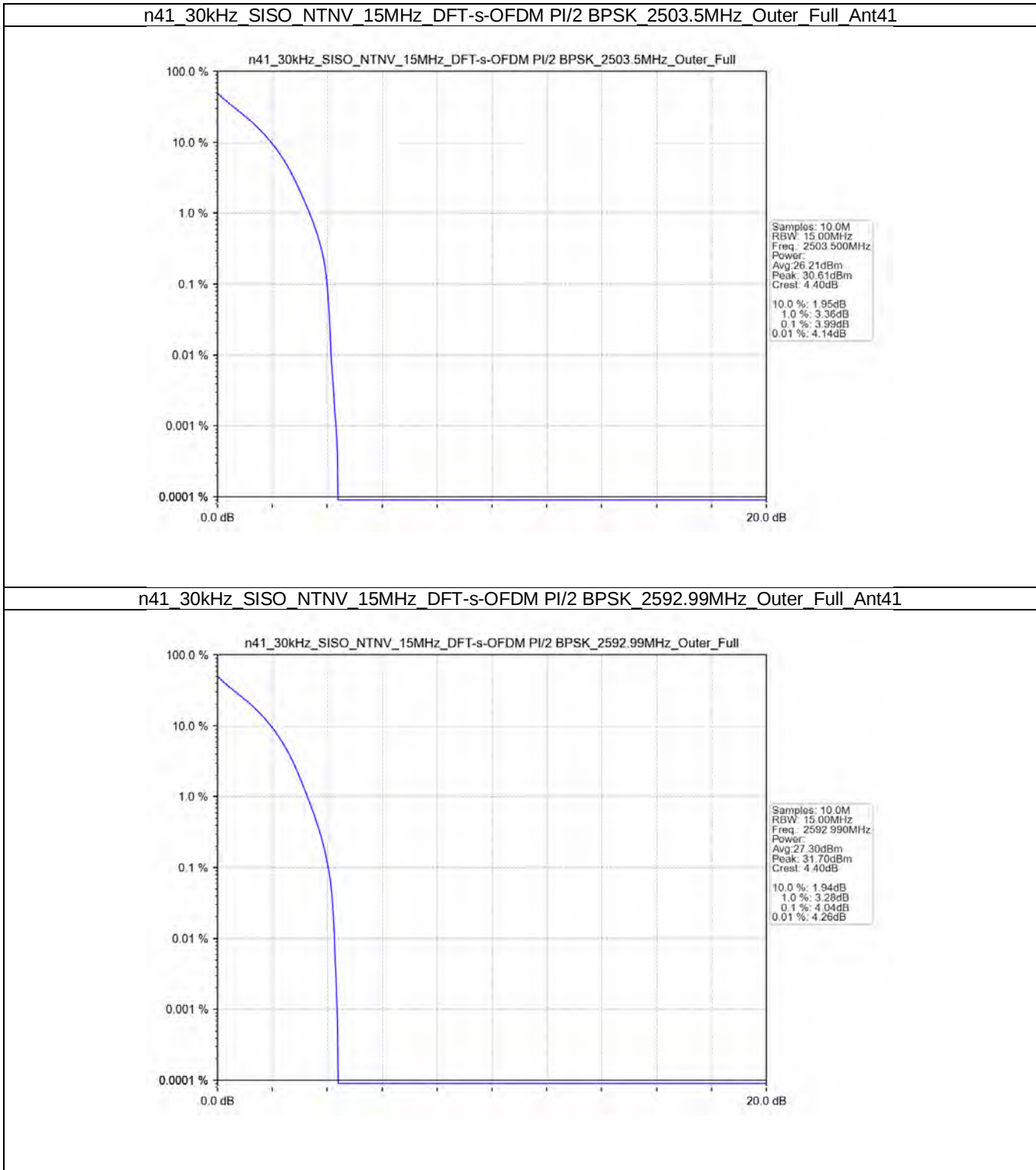
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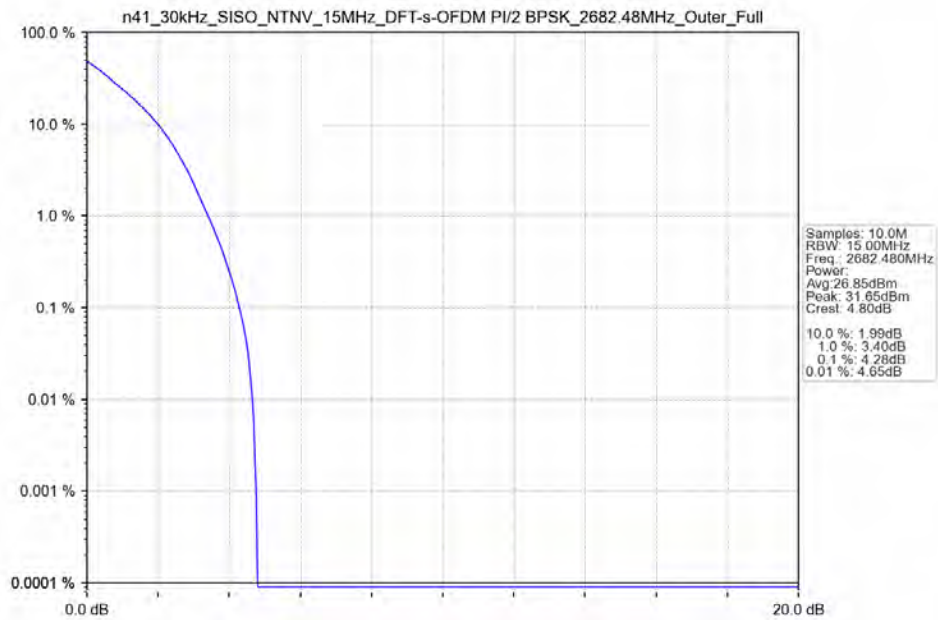
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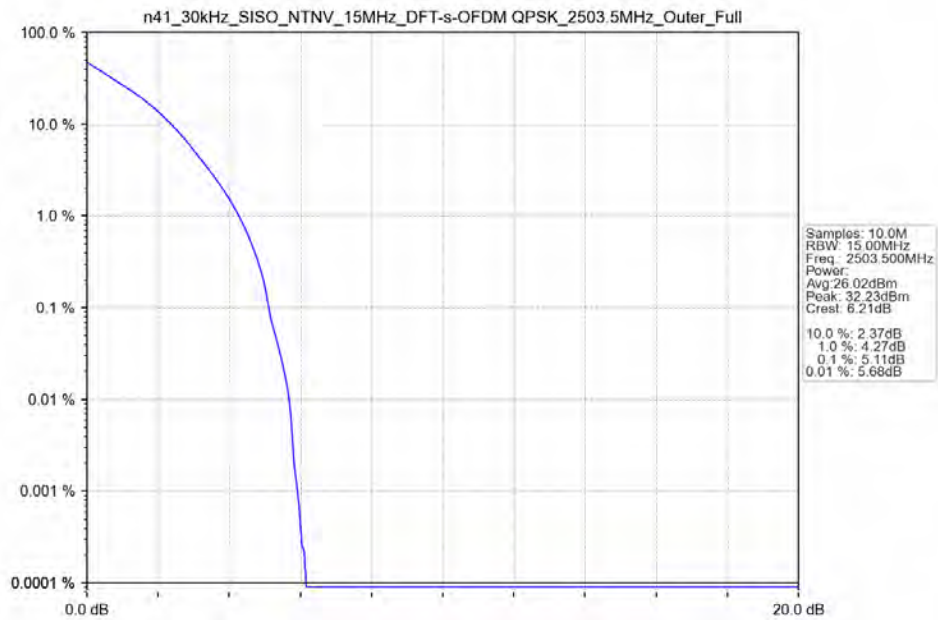
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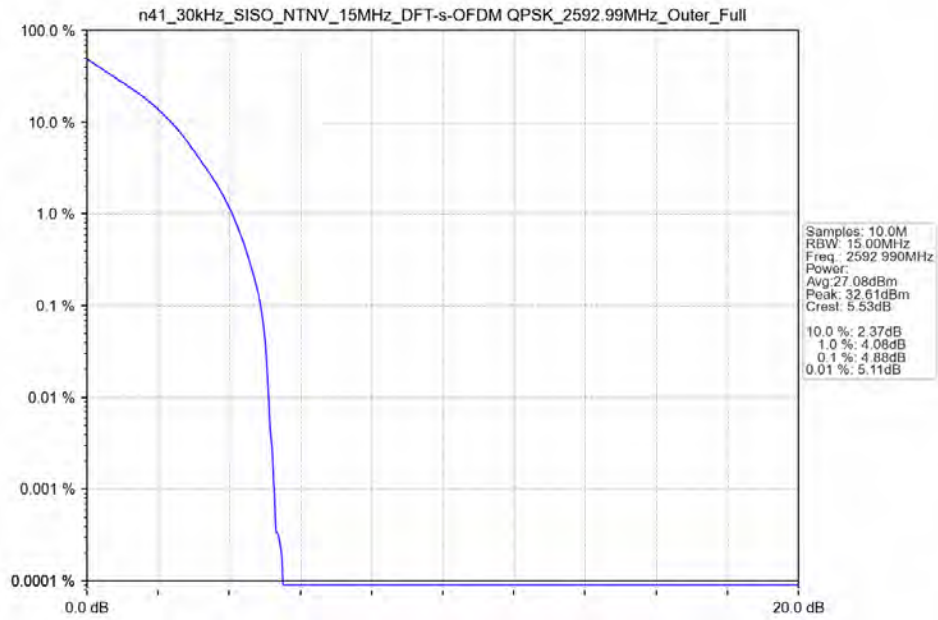
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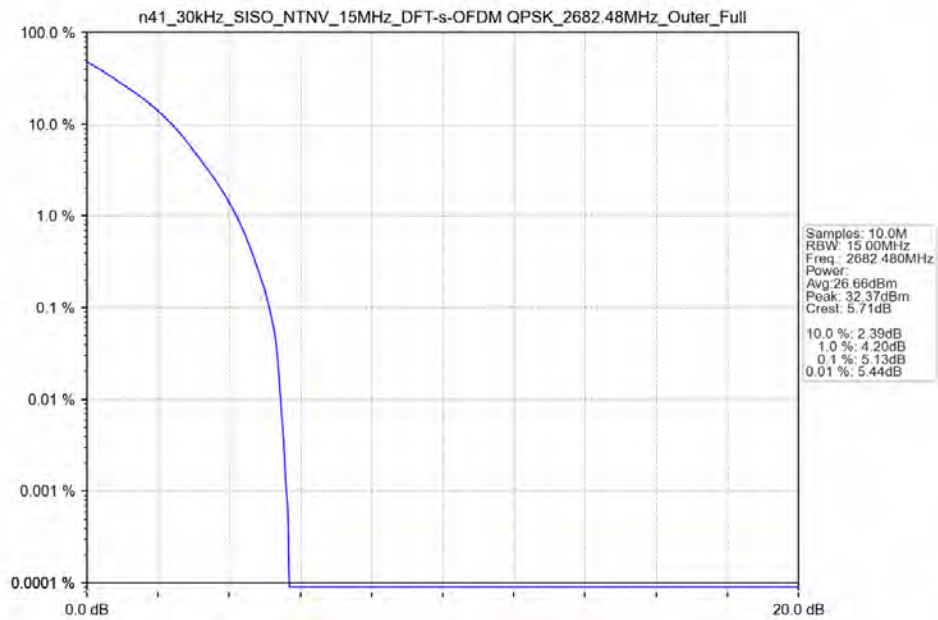
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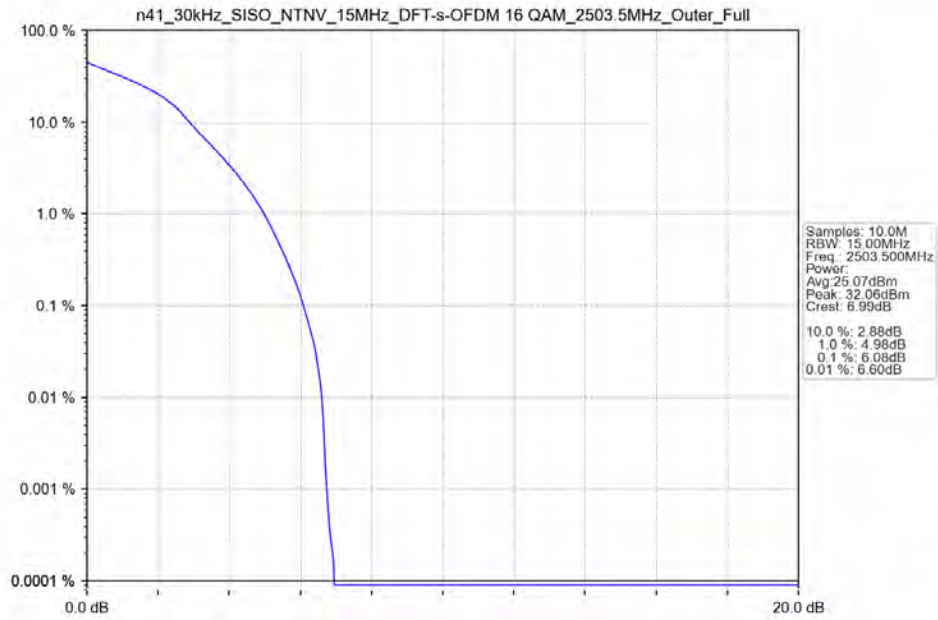
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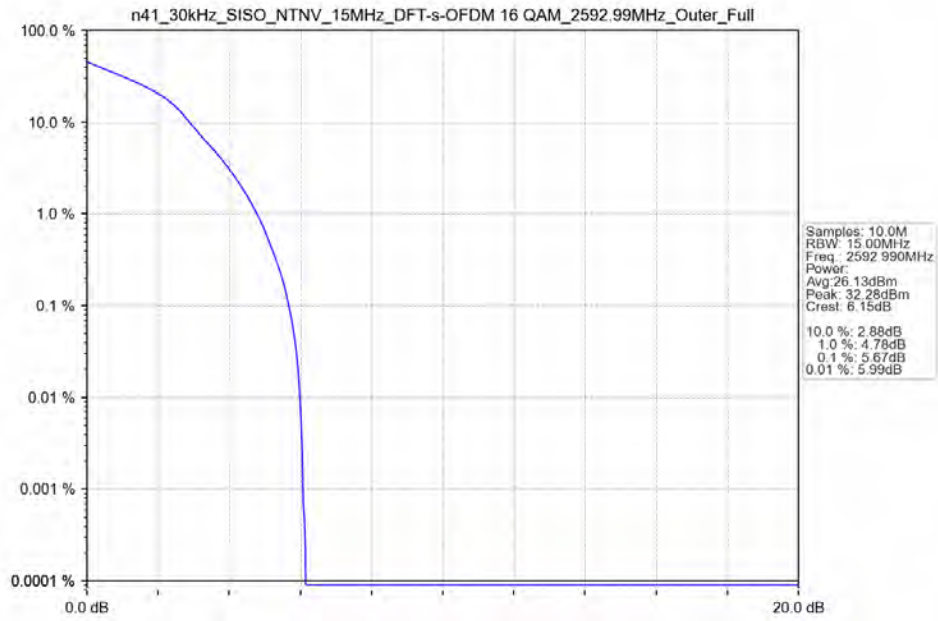
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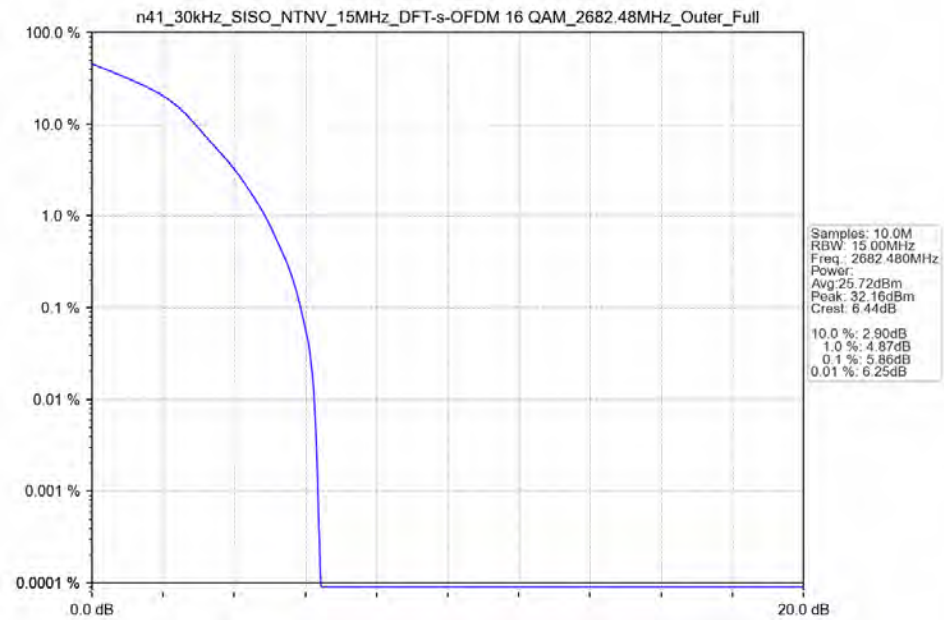
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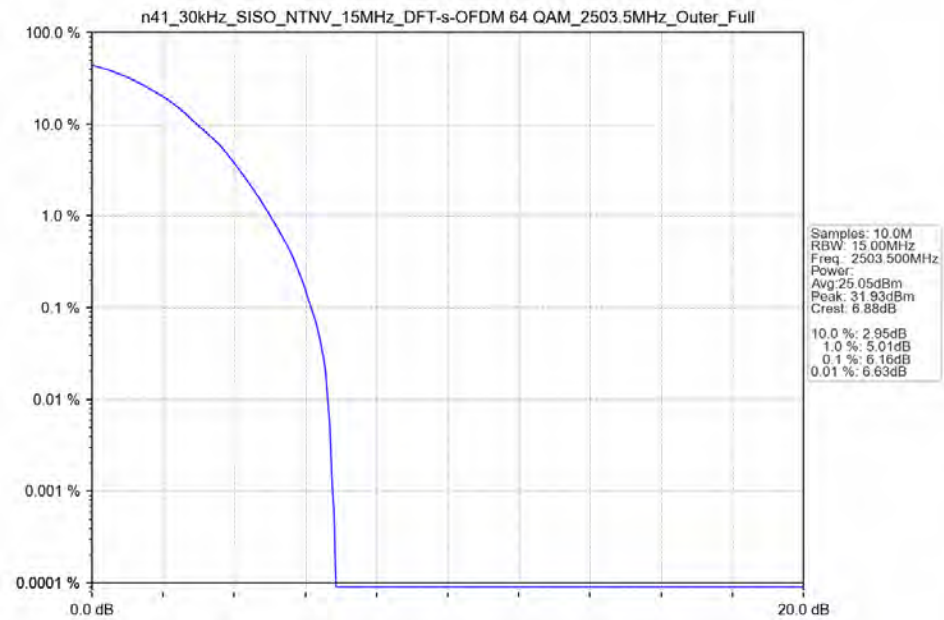
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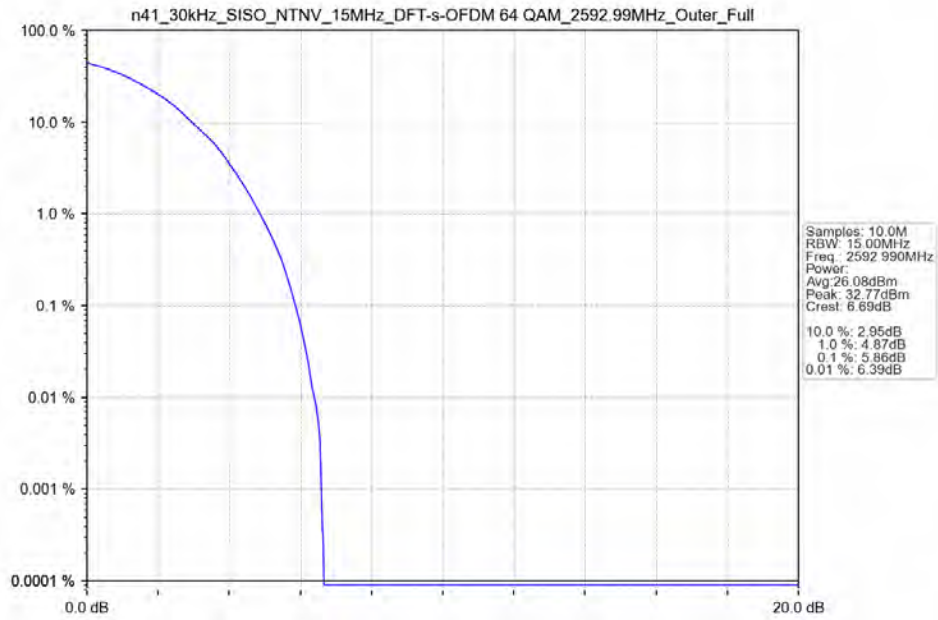
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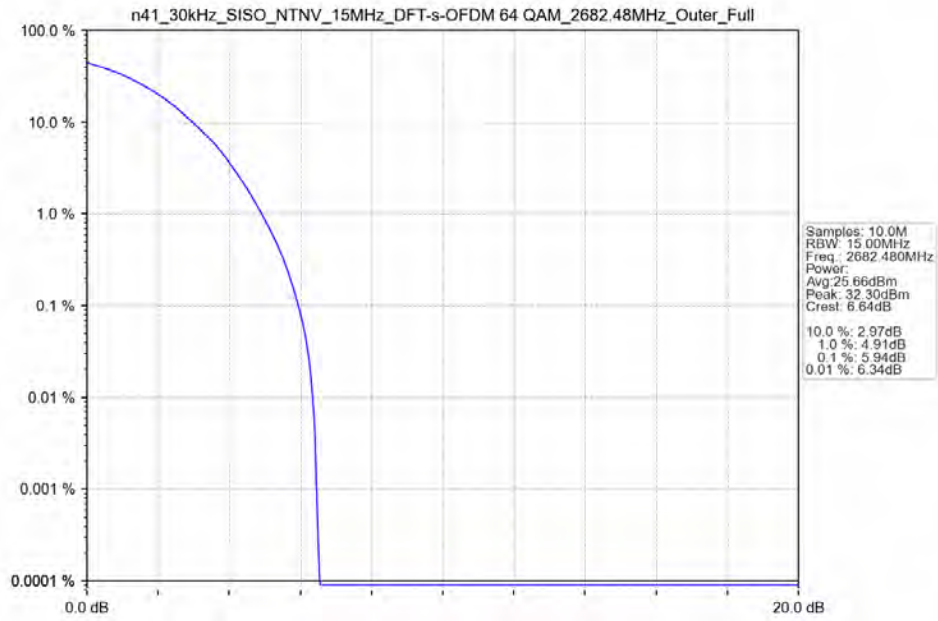
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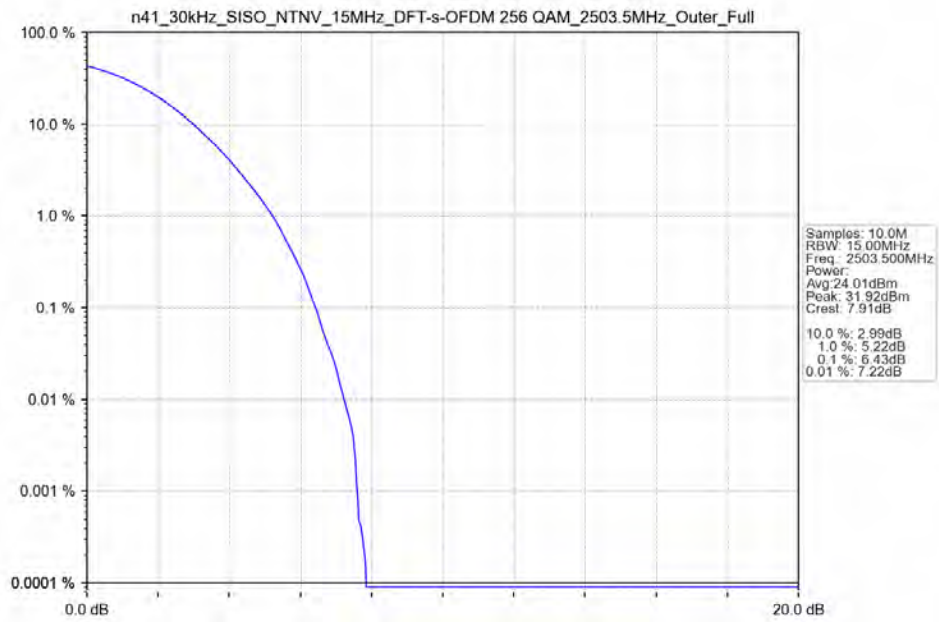
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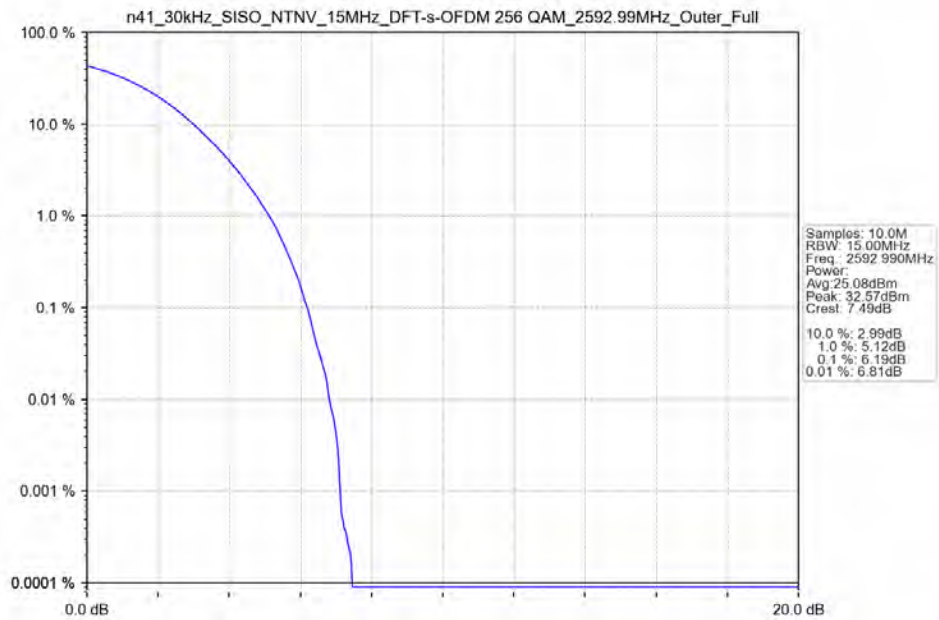
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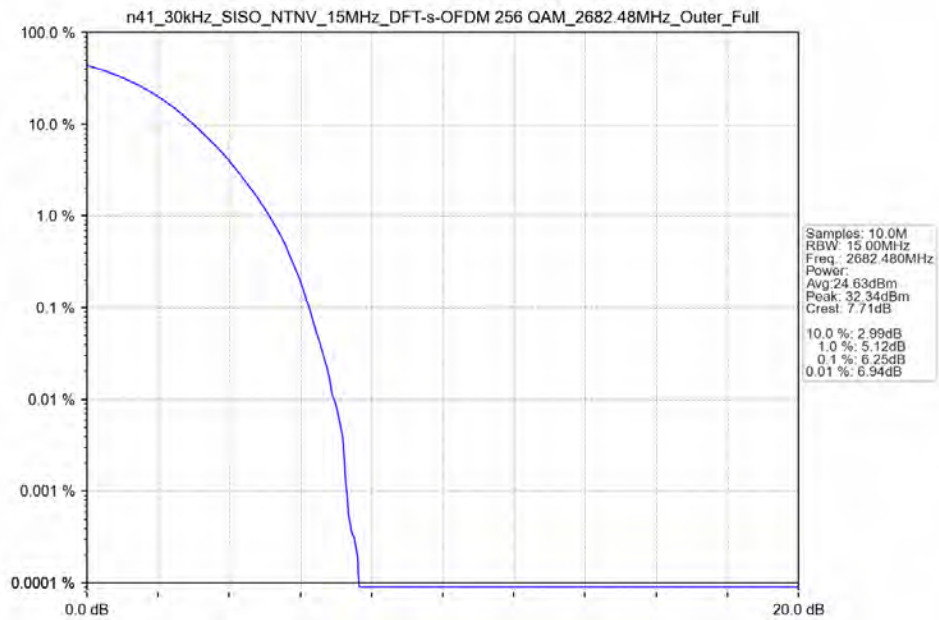
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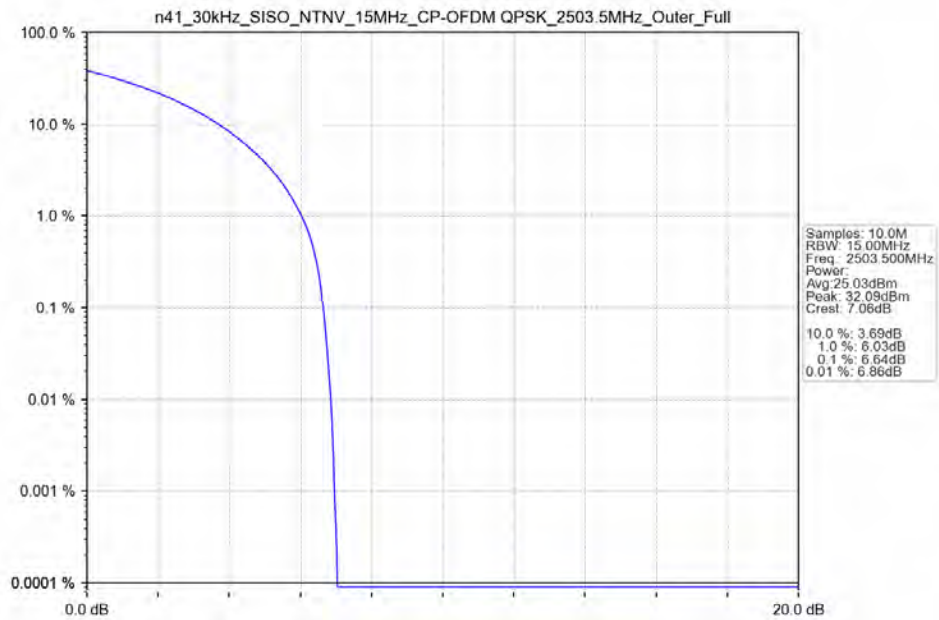
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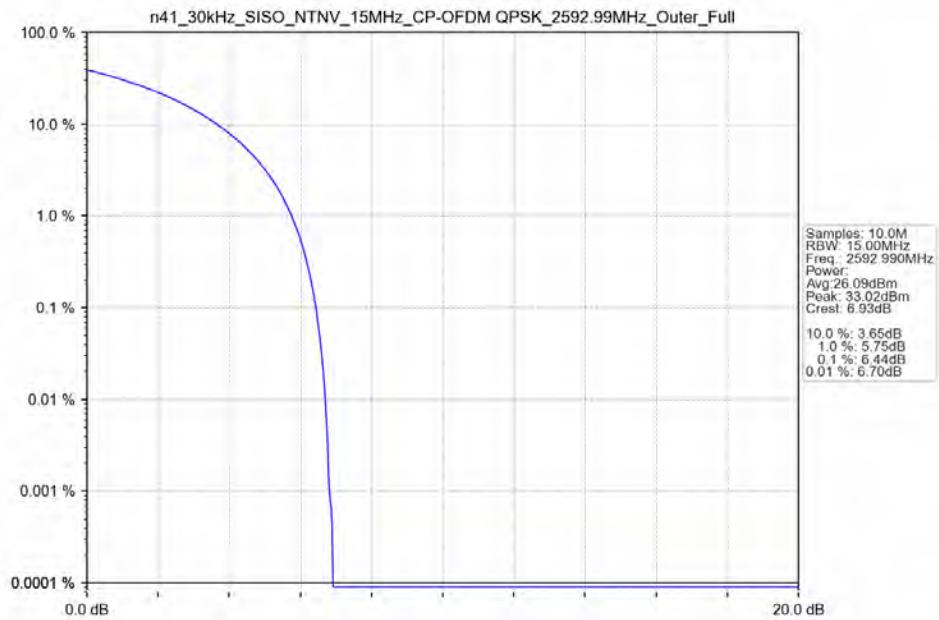
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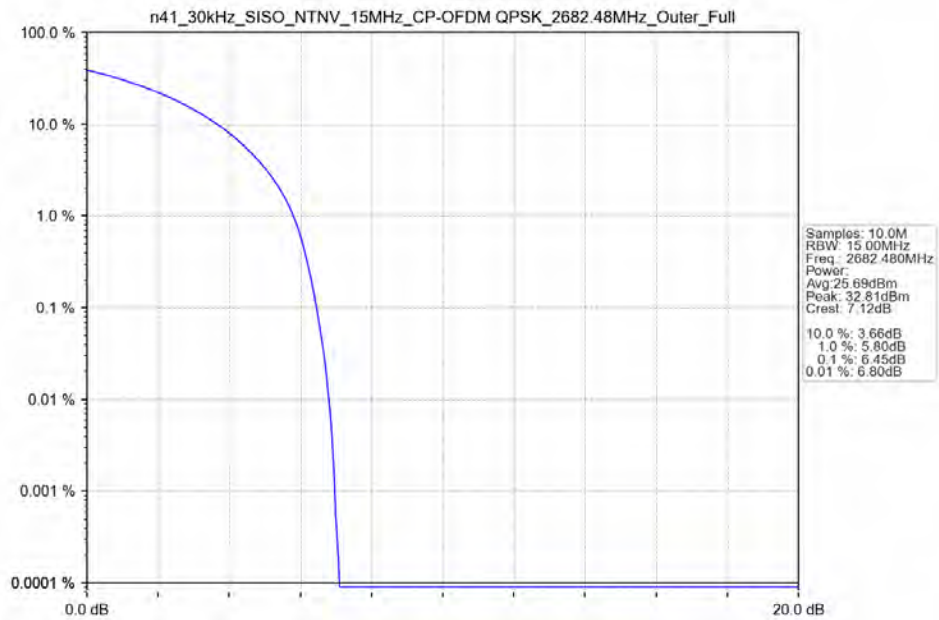
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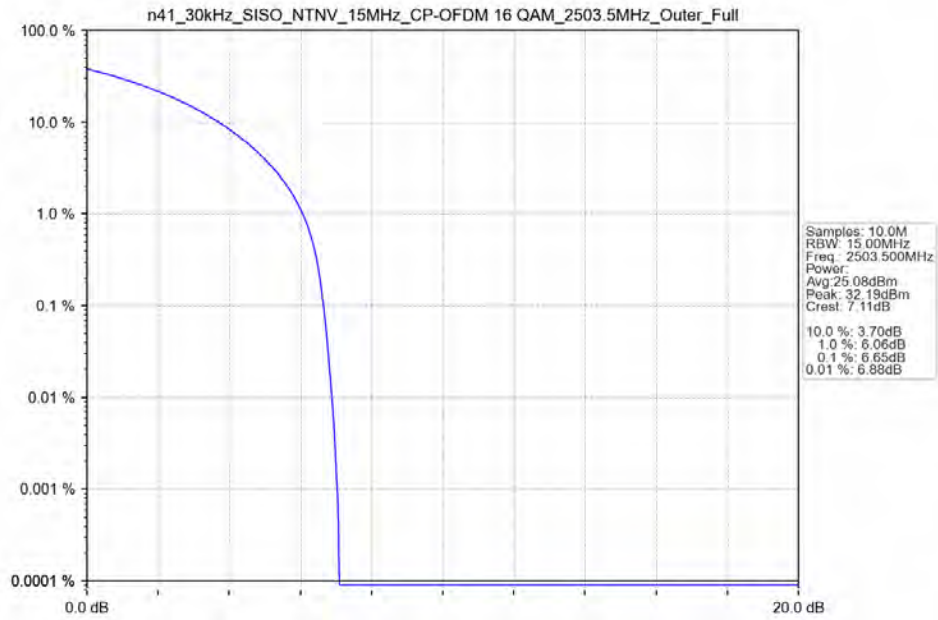
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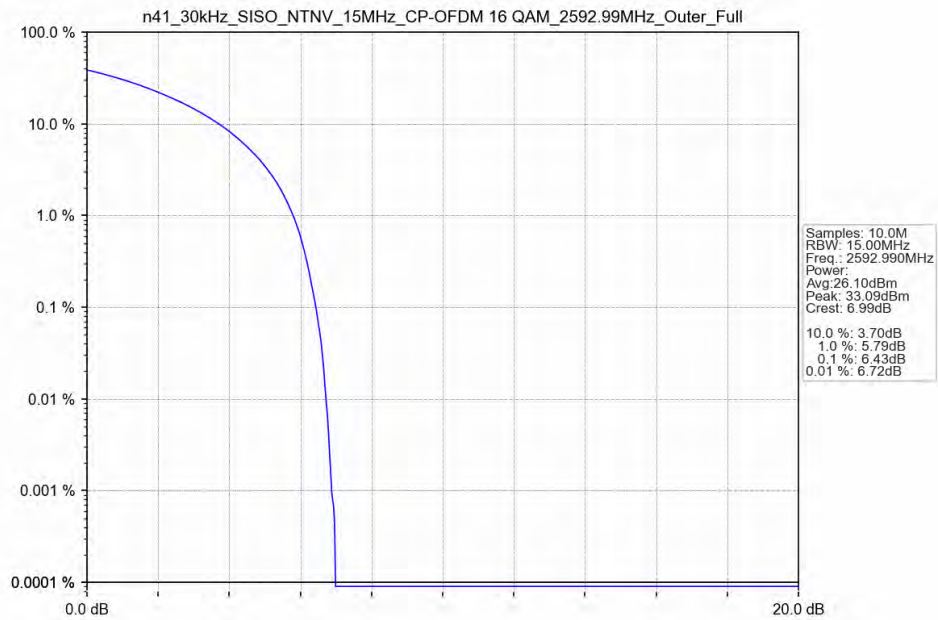
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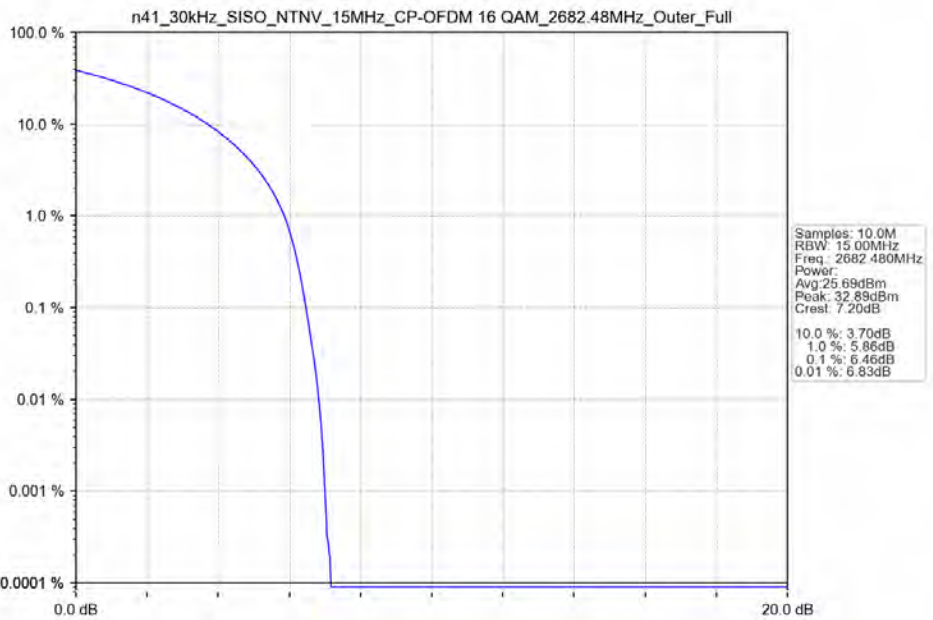
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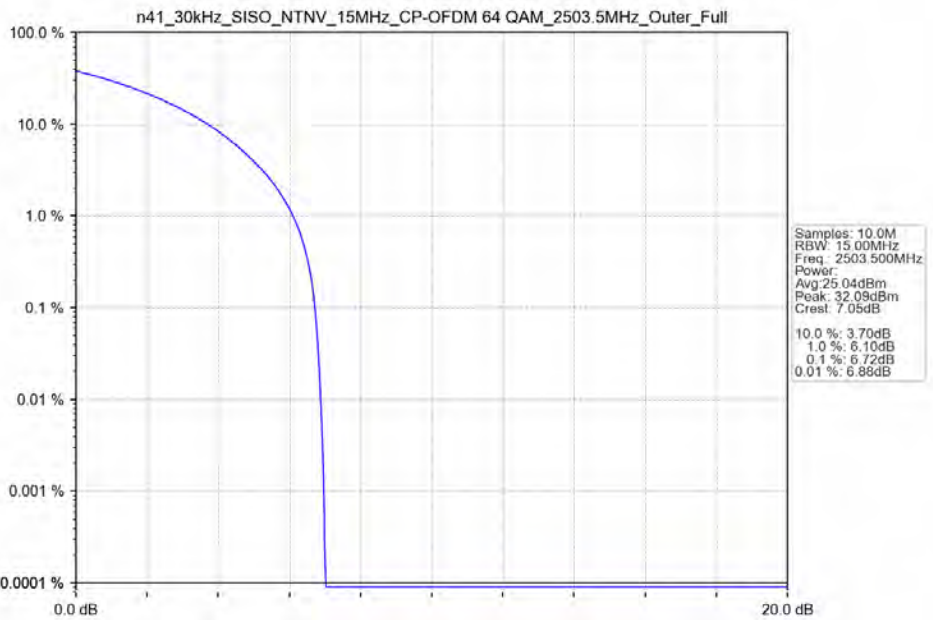
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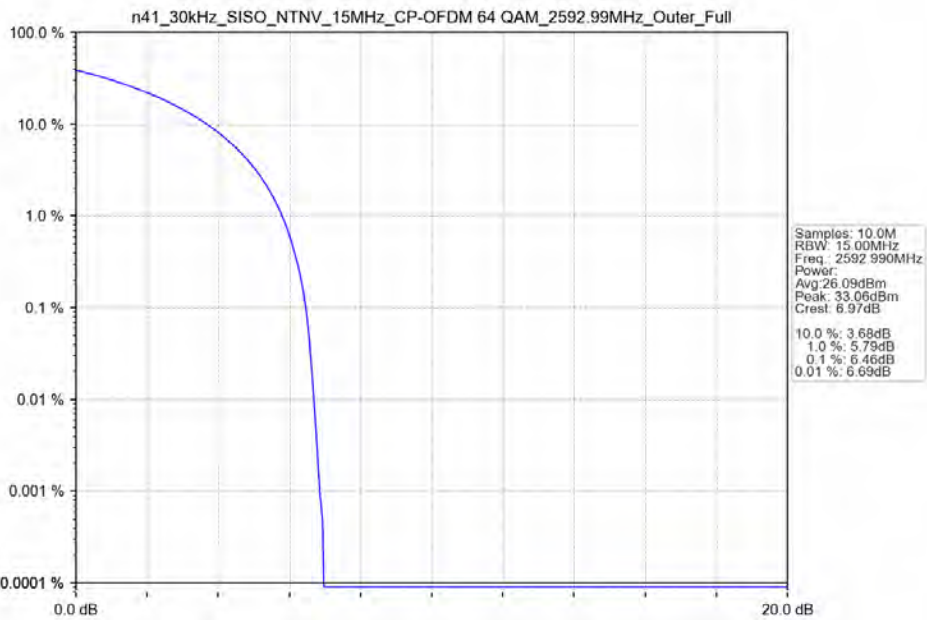
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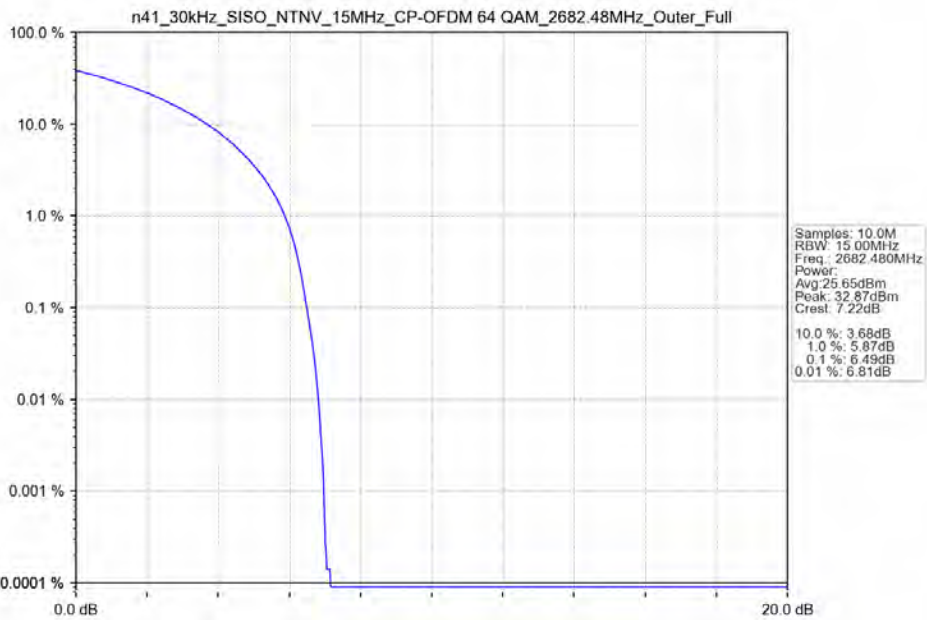
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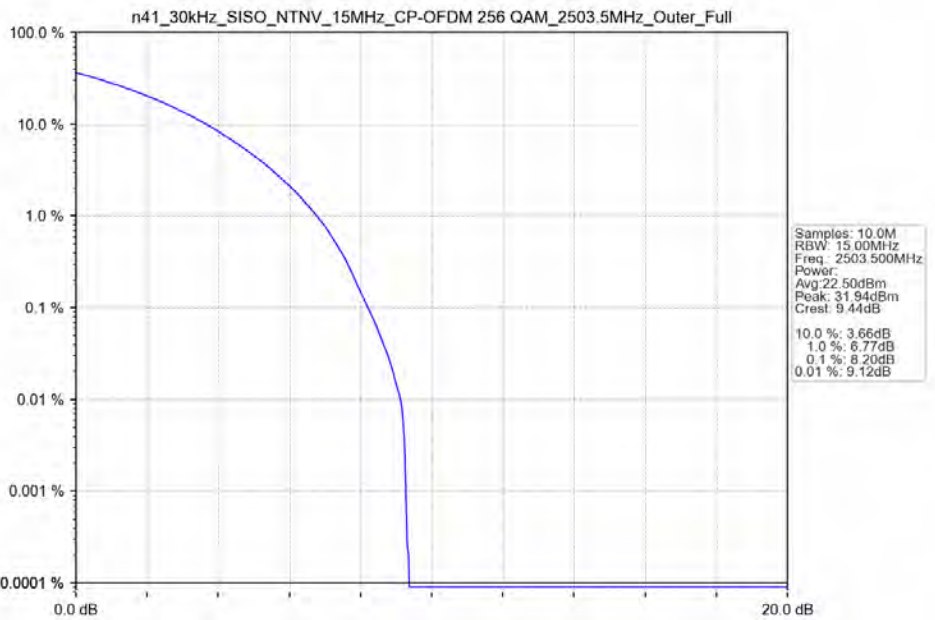
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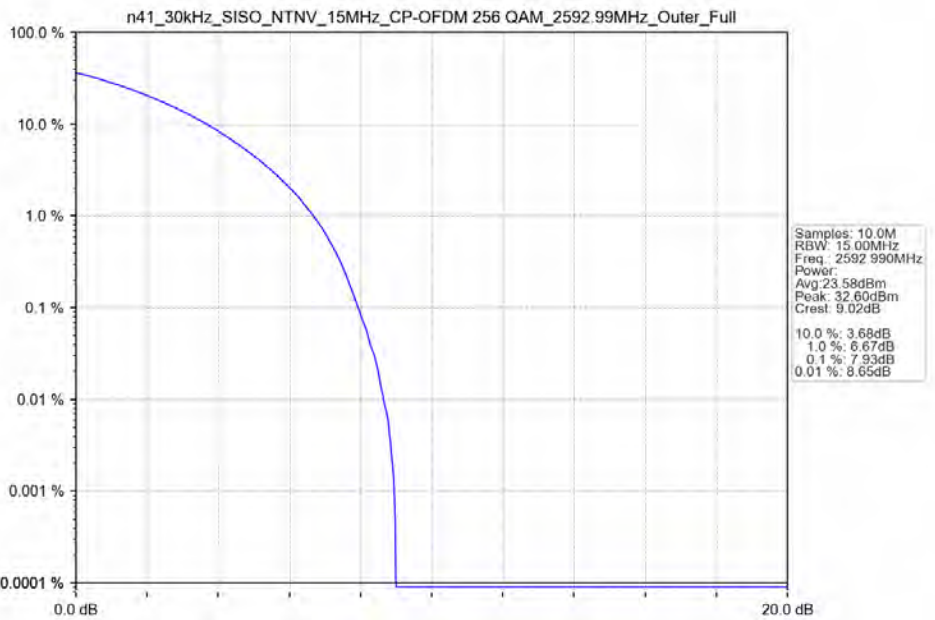
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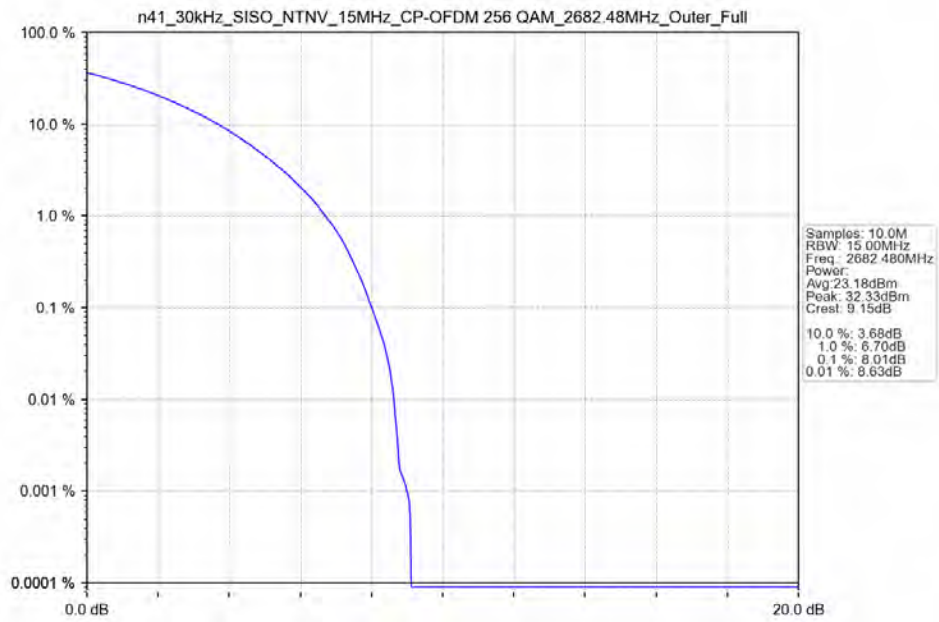
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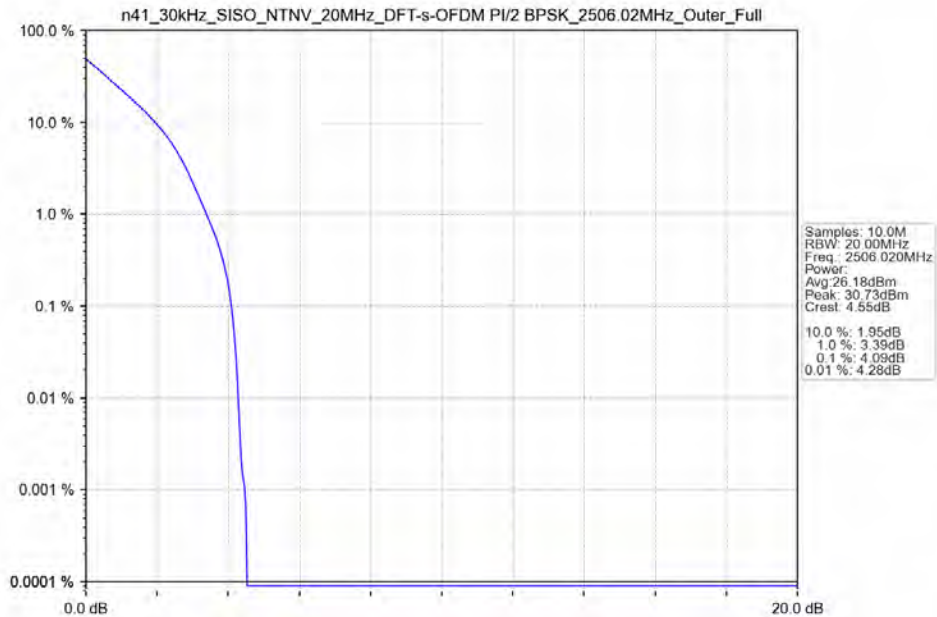


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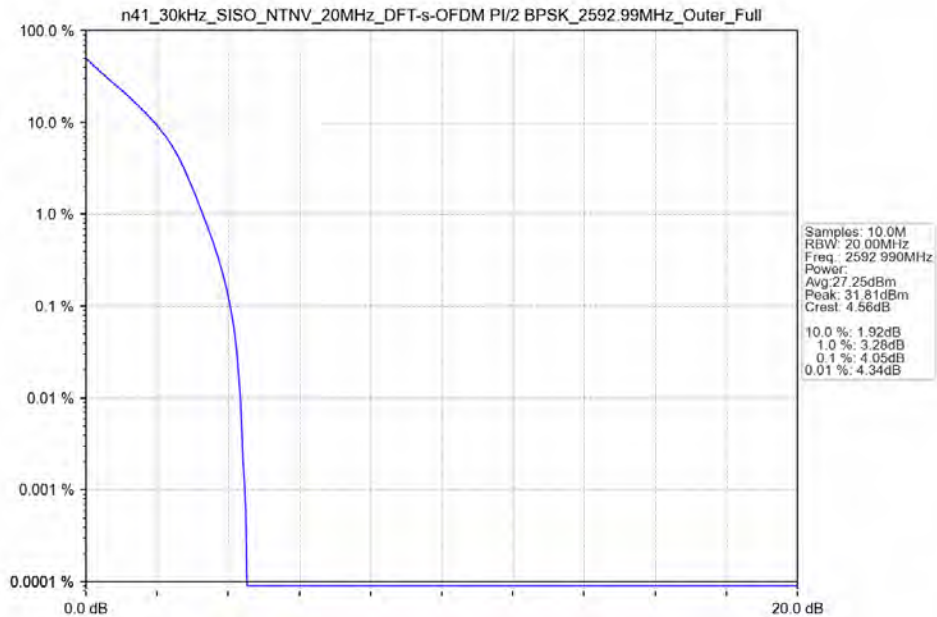


4.2.3 30k_SISO_20MHz_NTNV

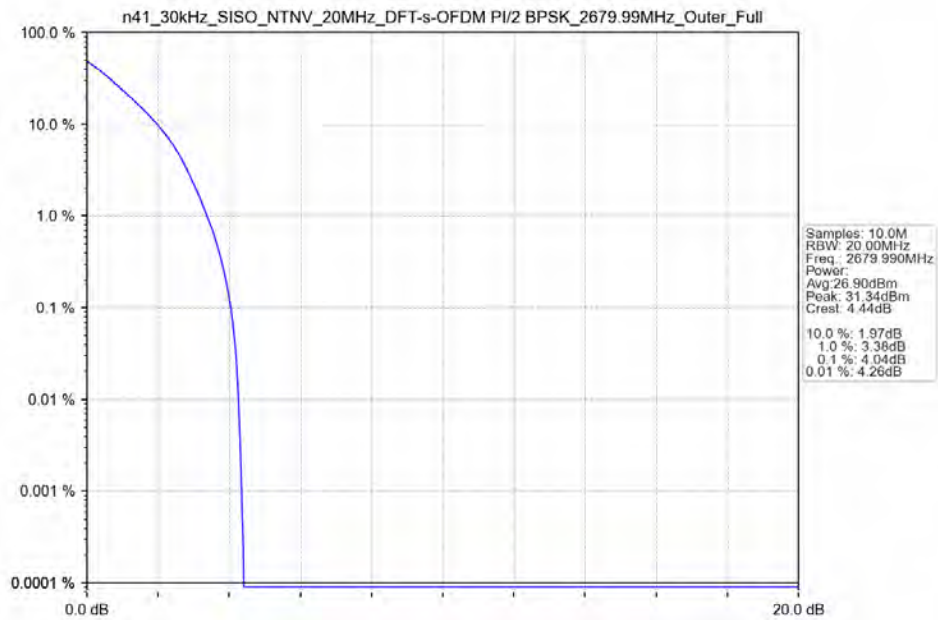
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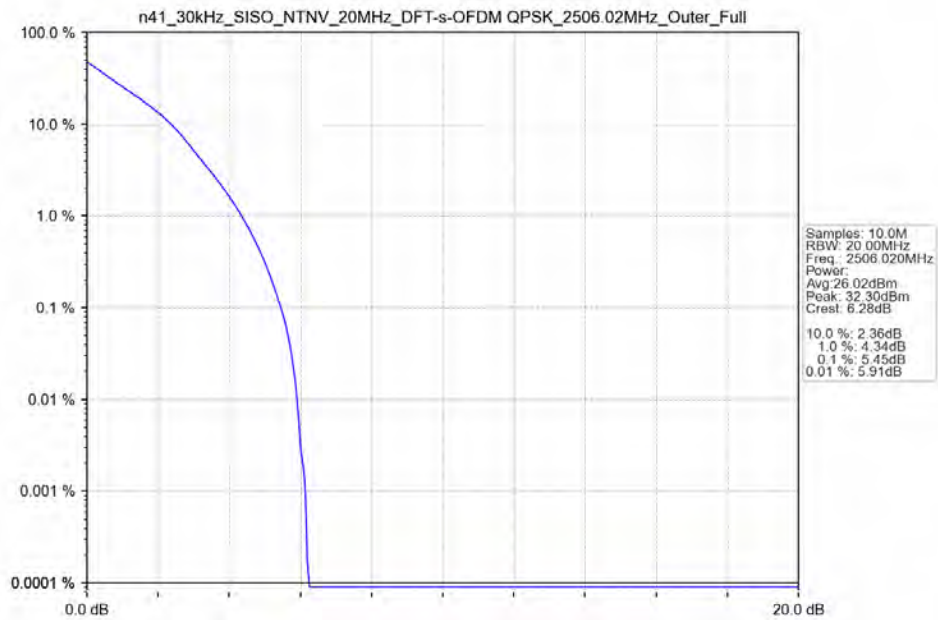
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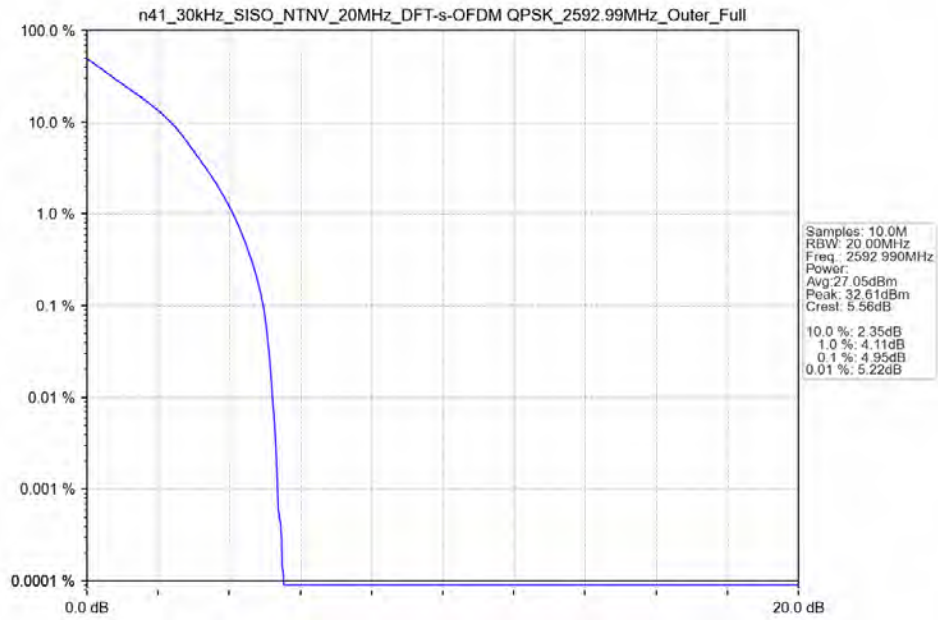
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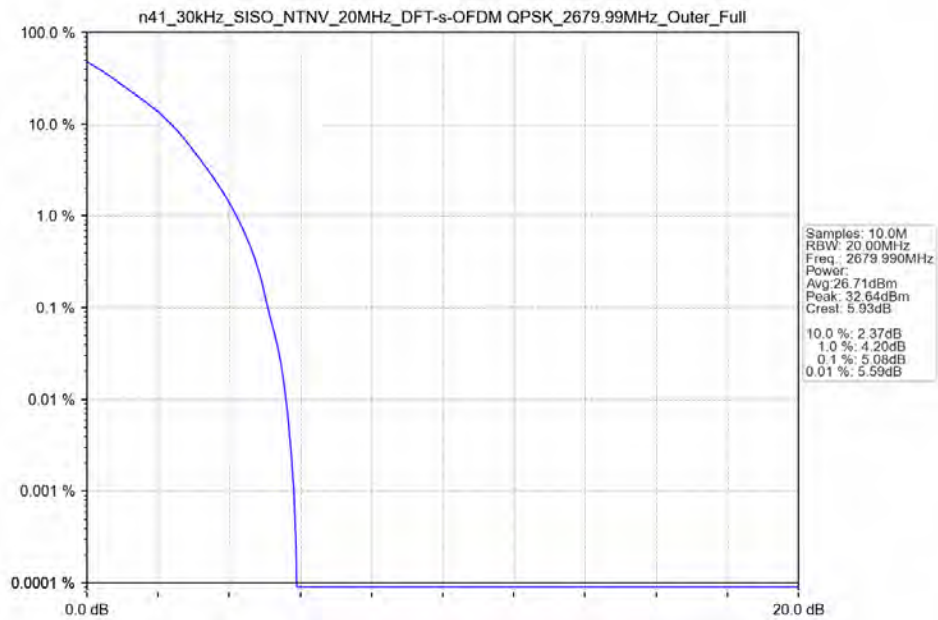
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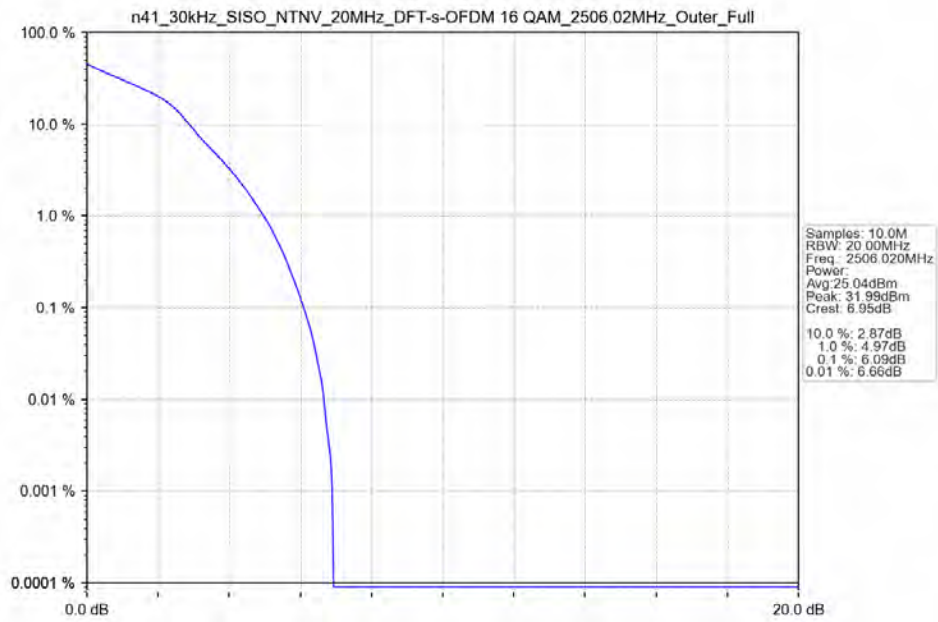
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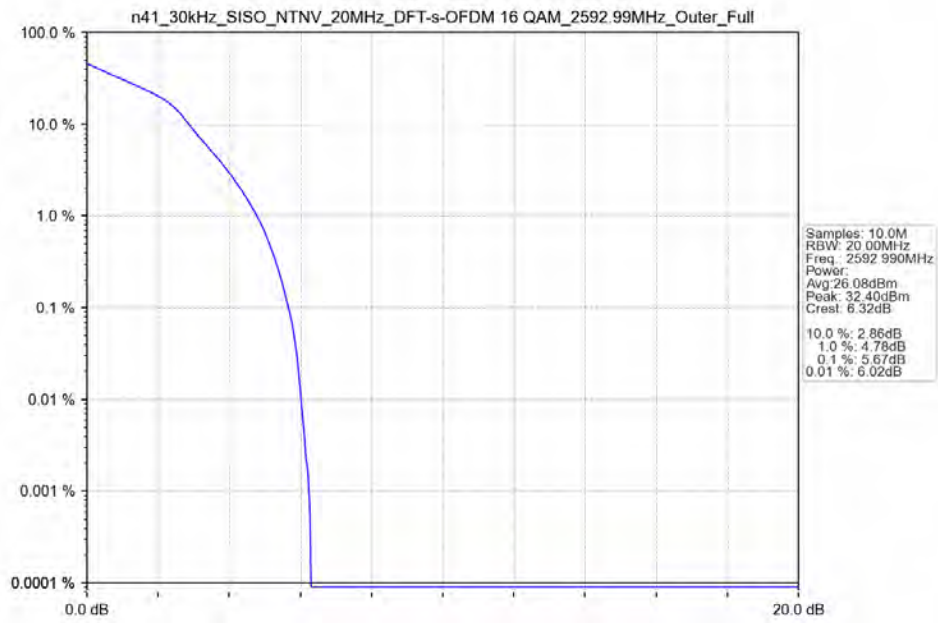
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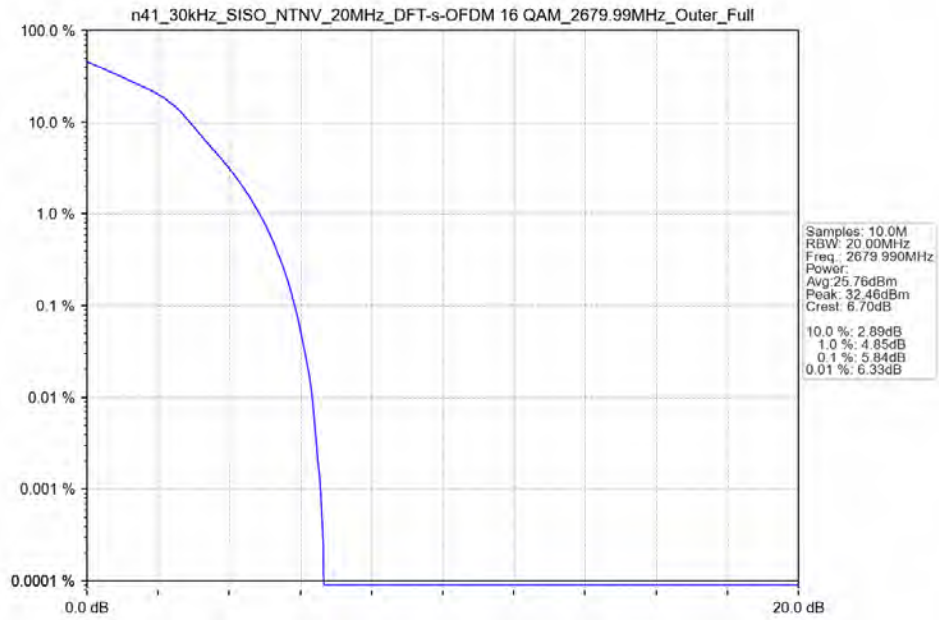
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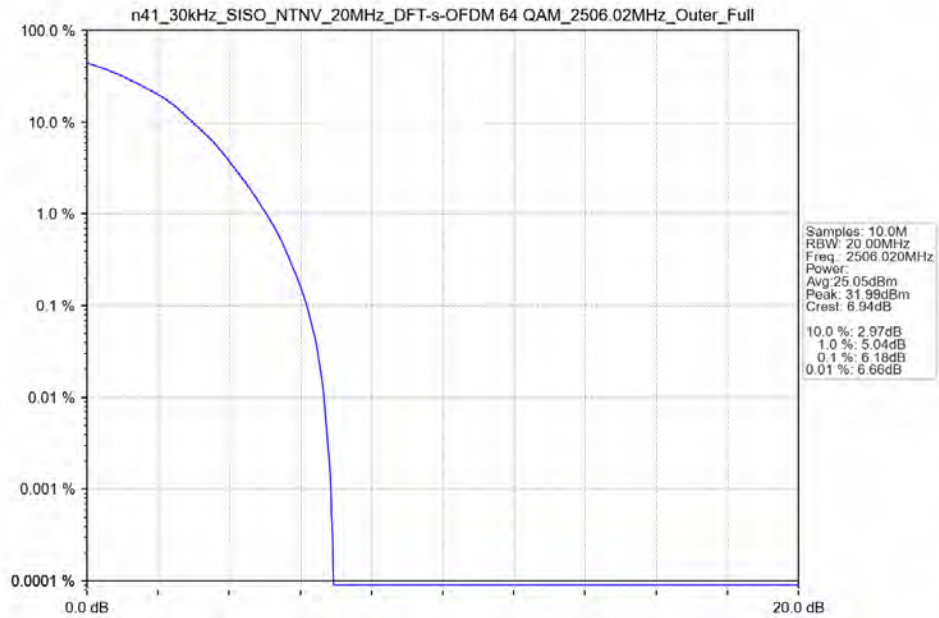
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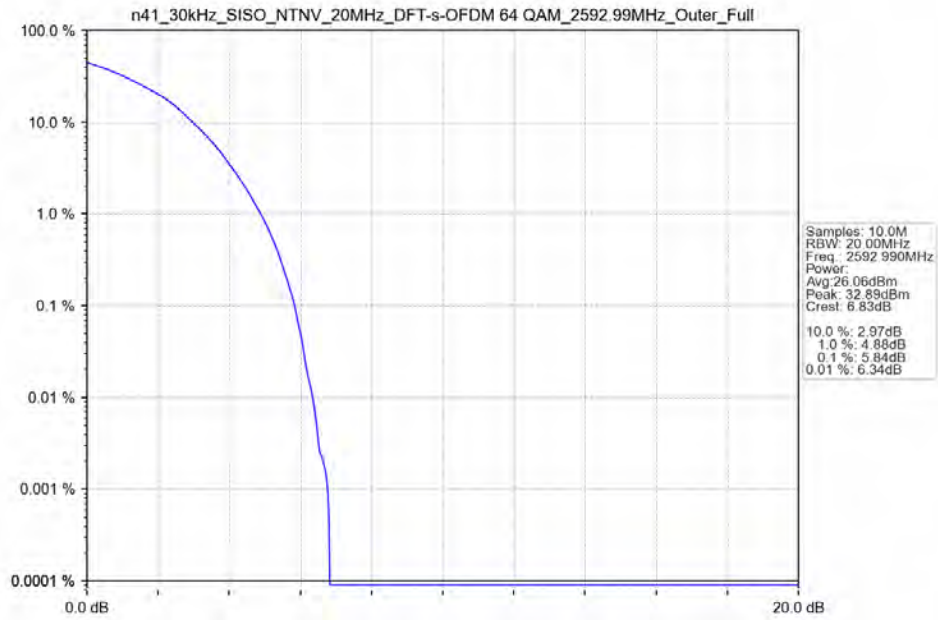
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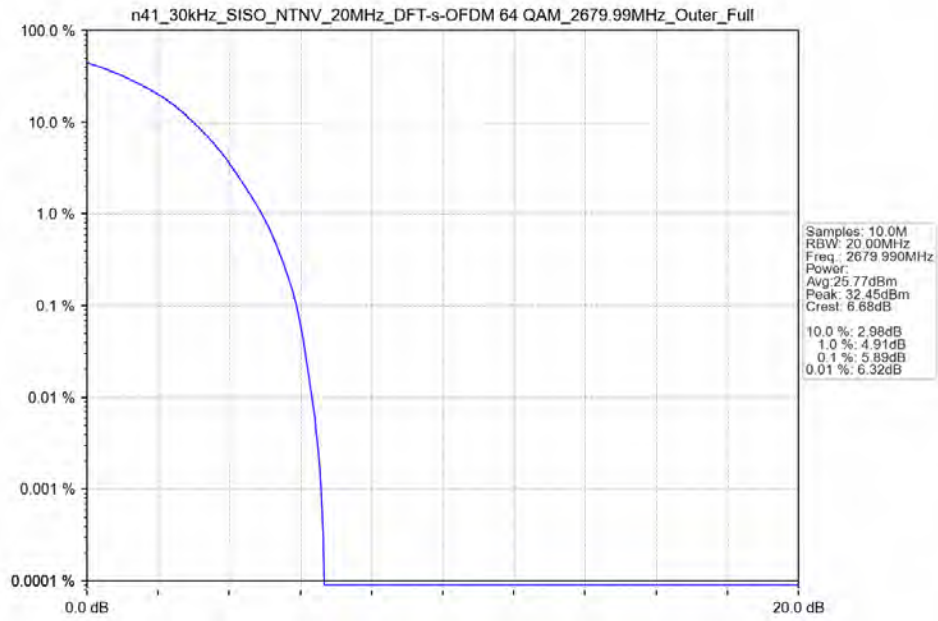
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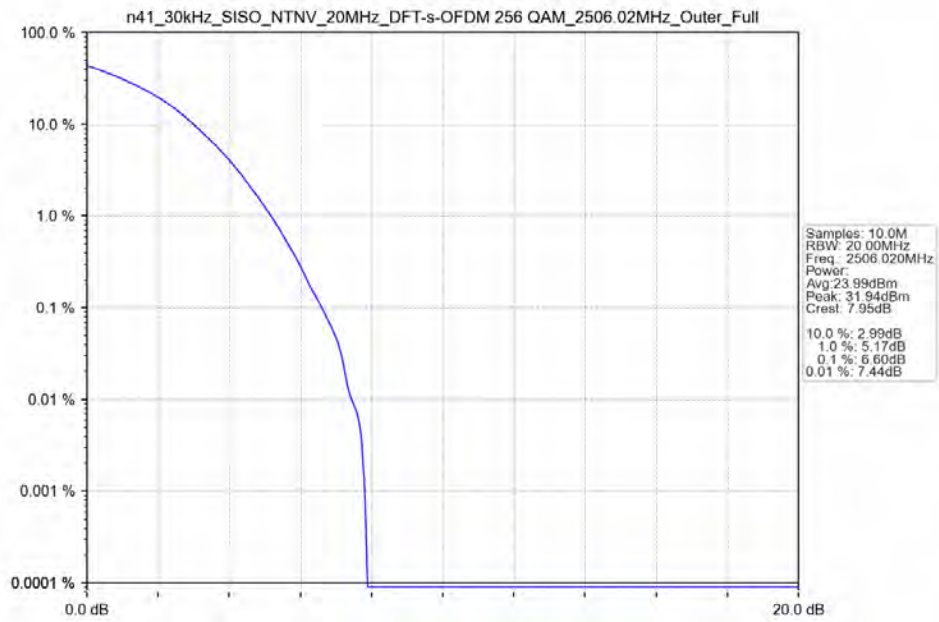
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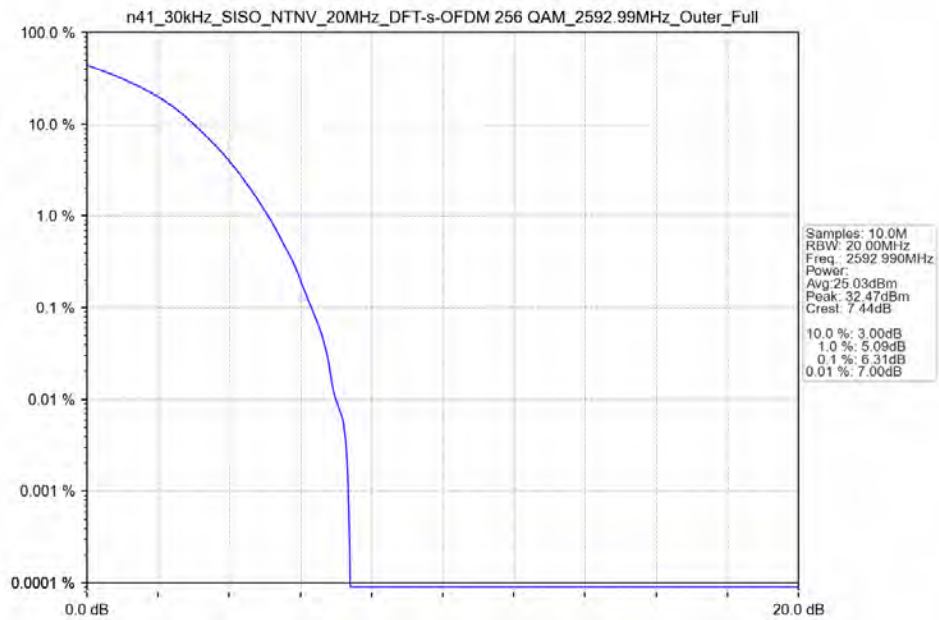
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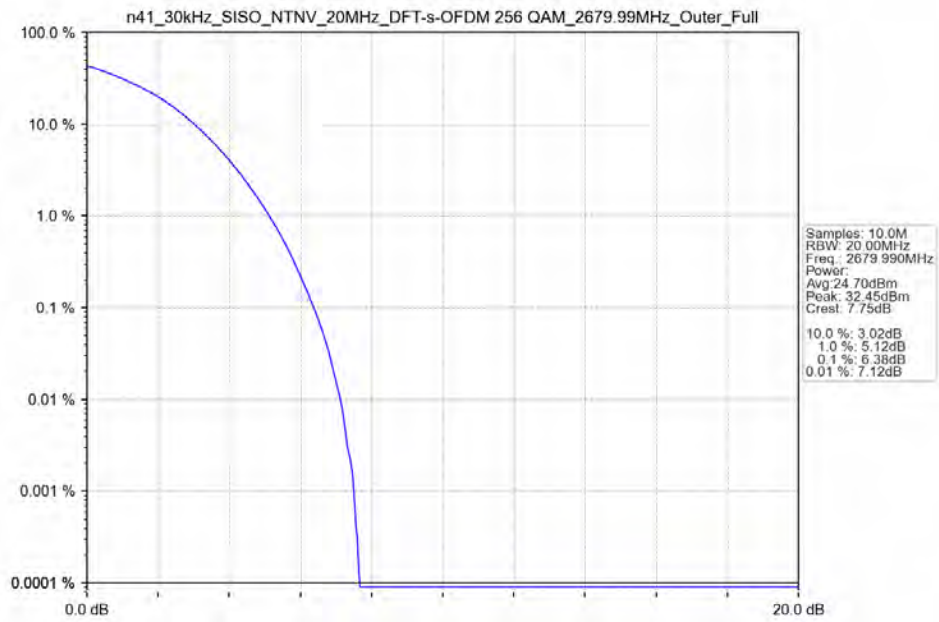
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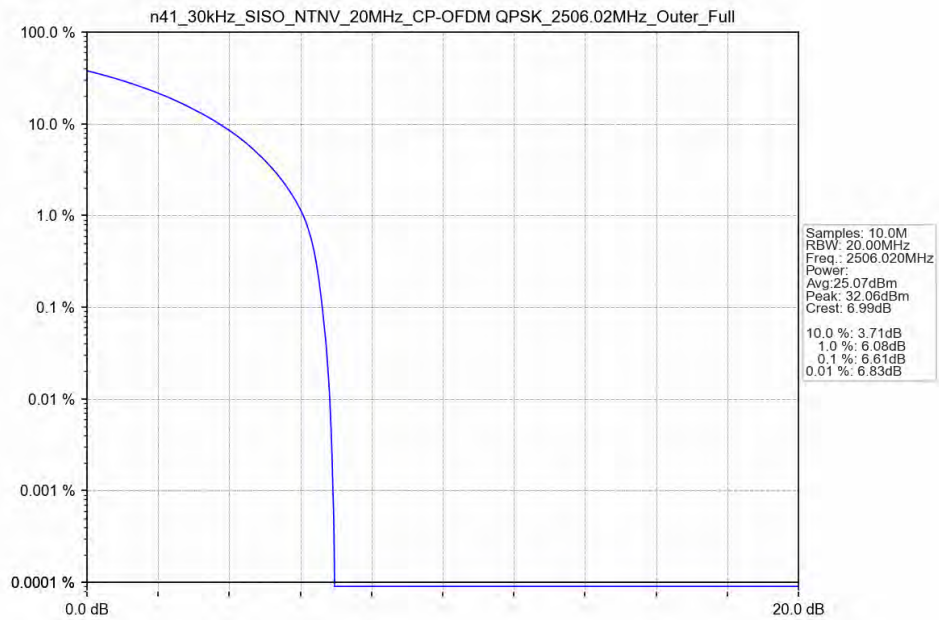
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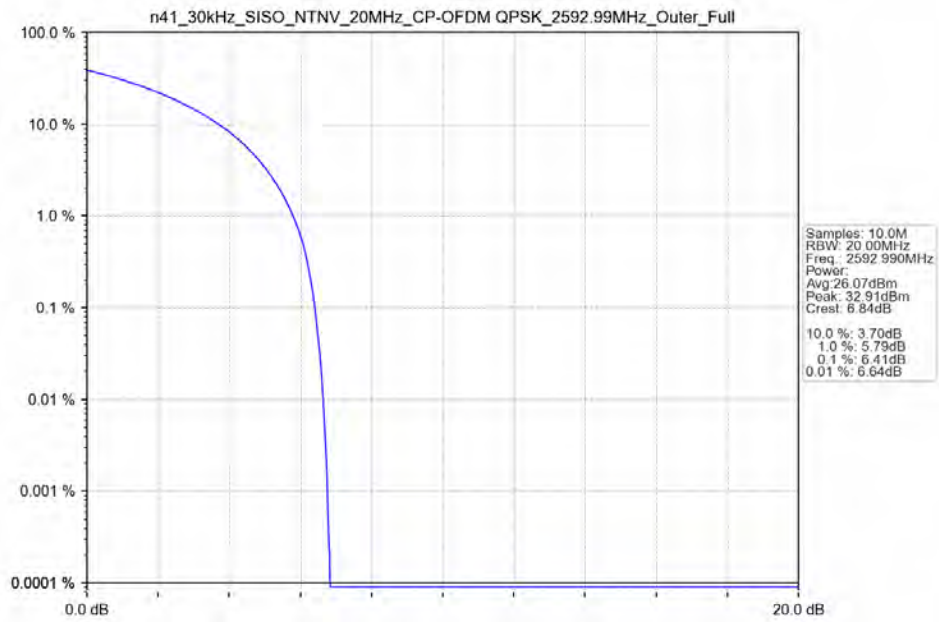
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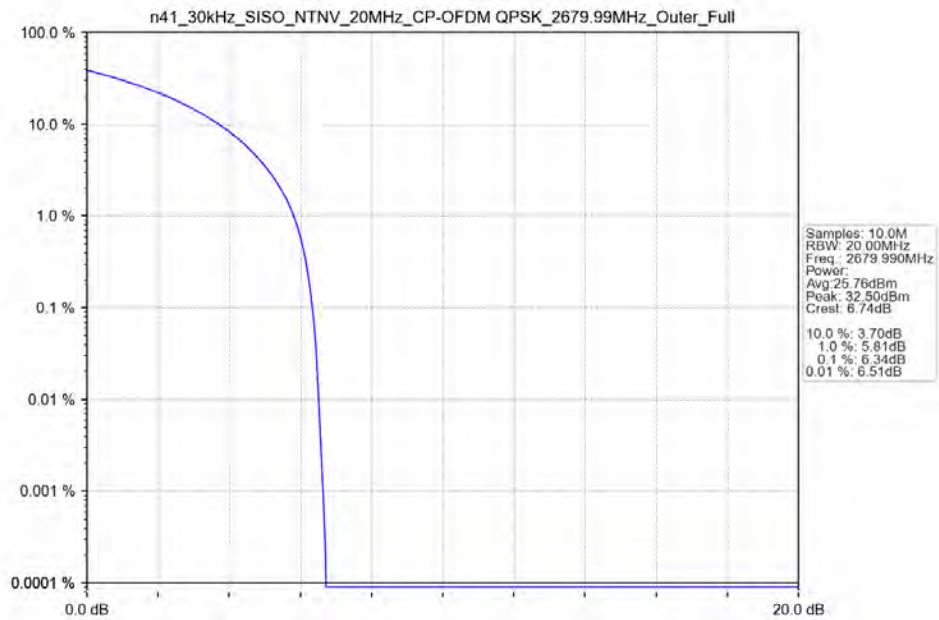
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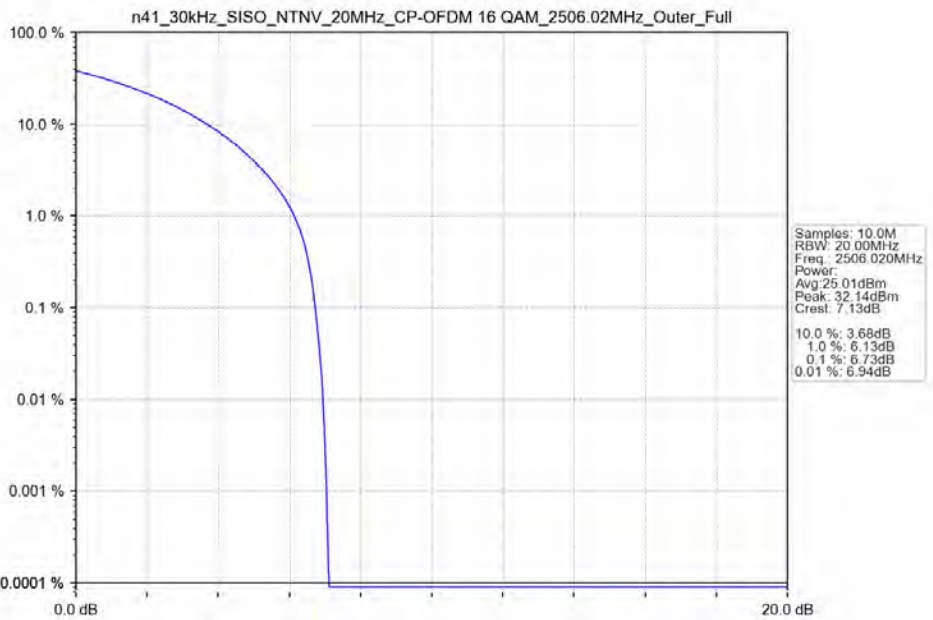
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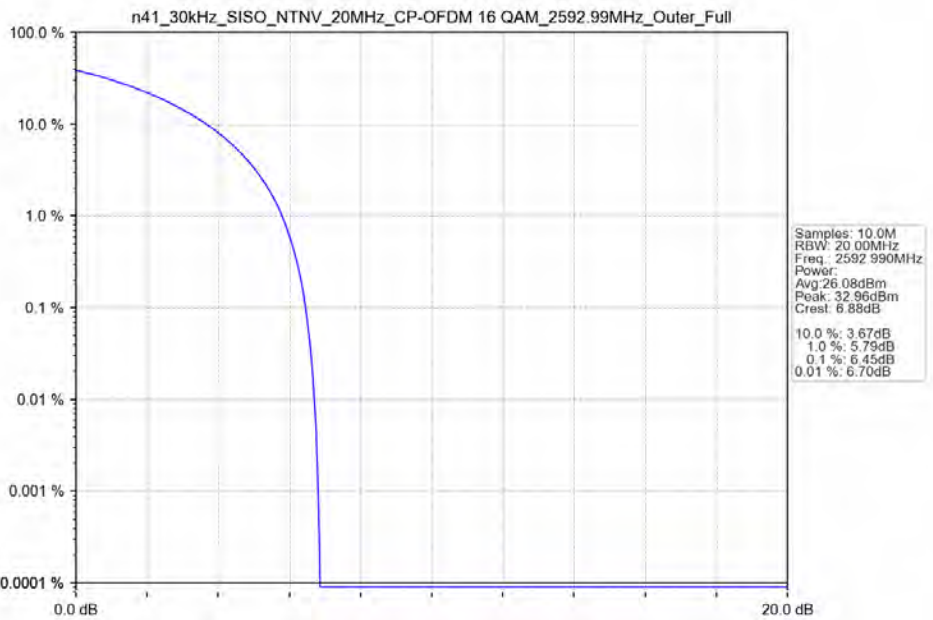
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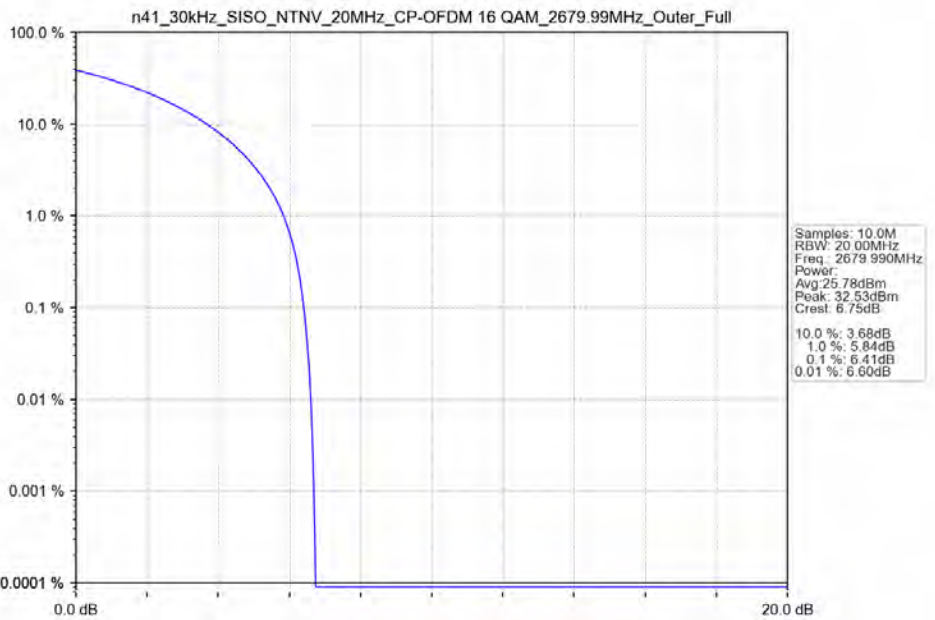
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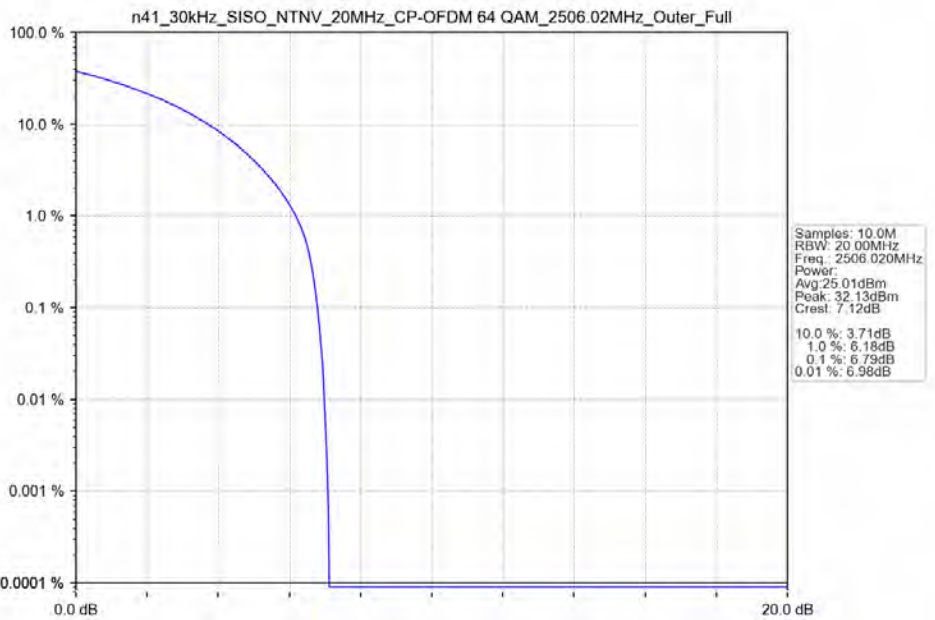
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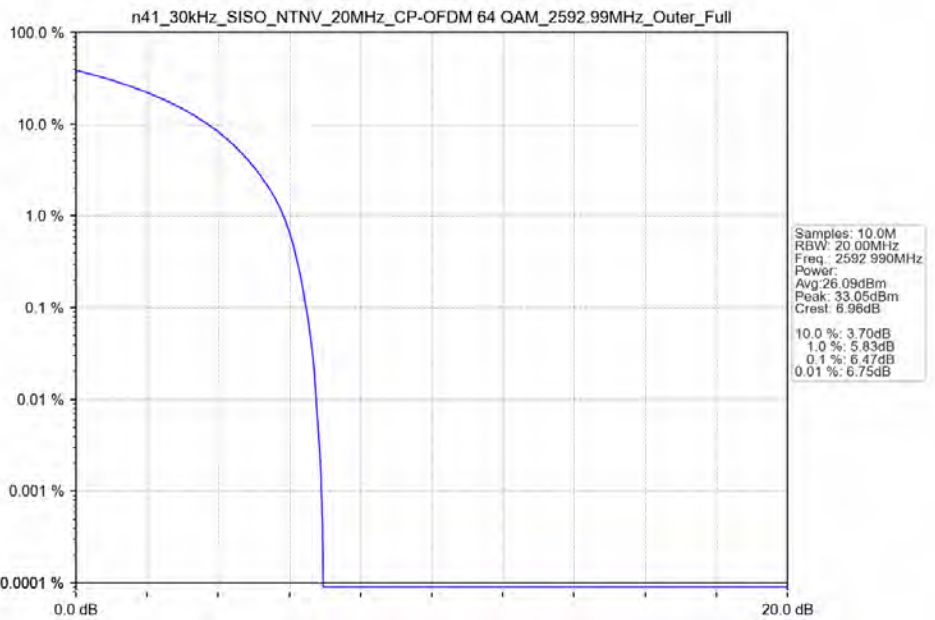
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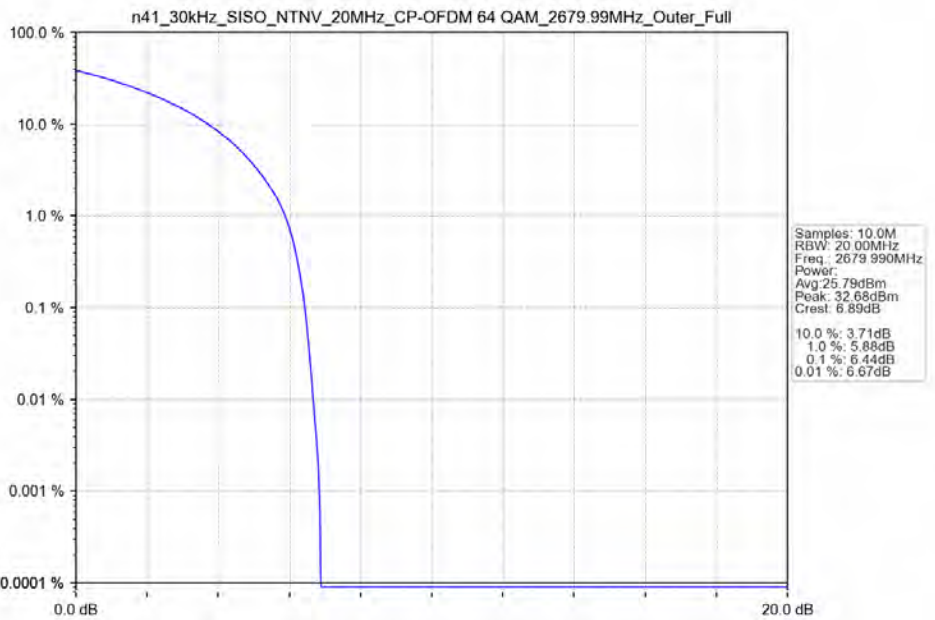
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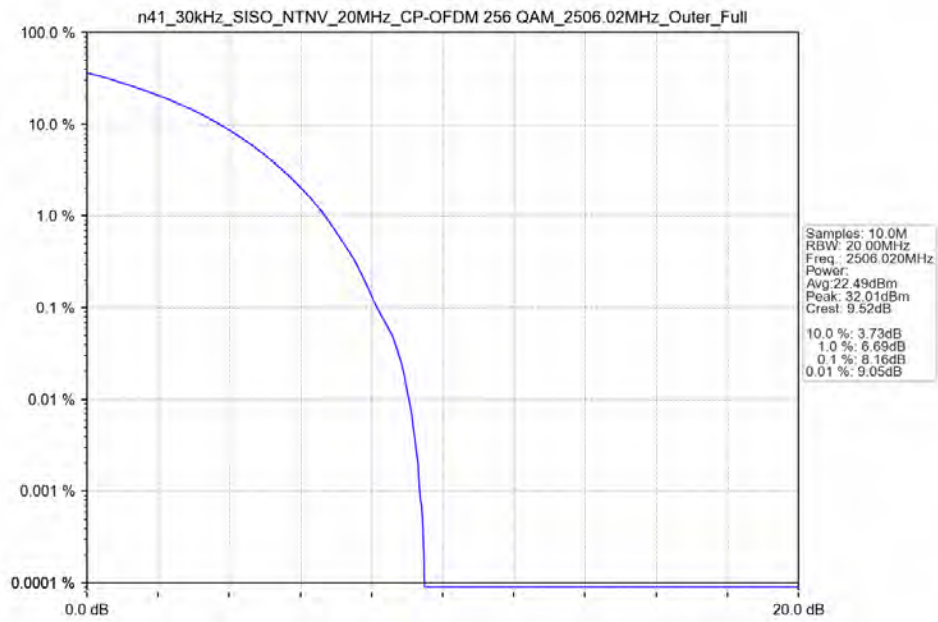
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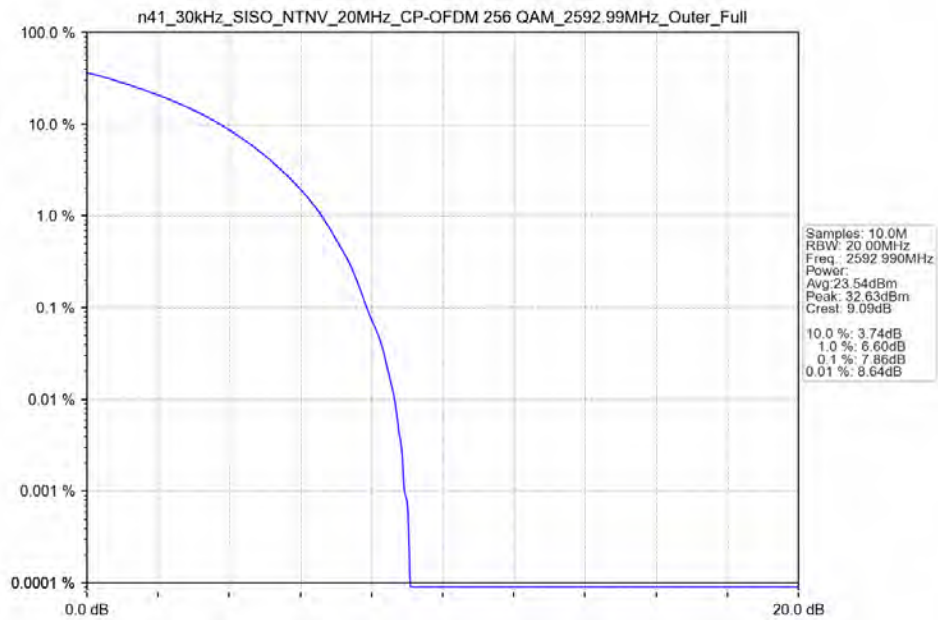
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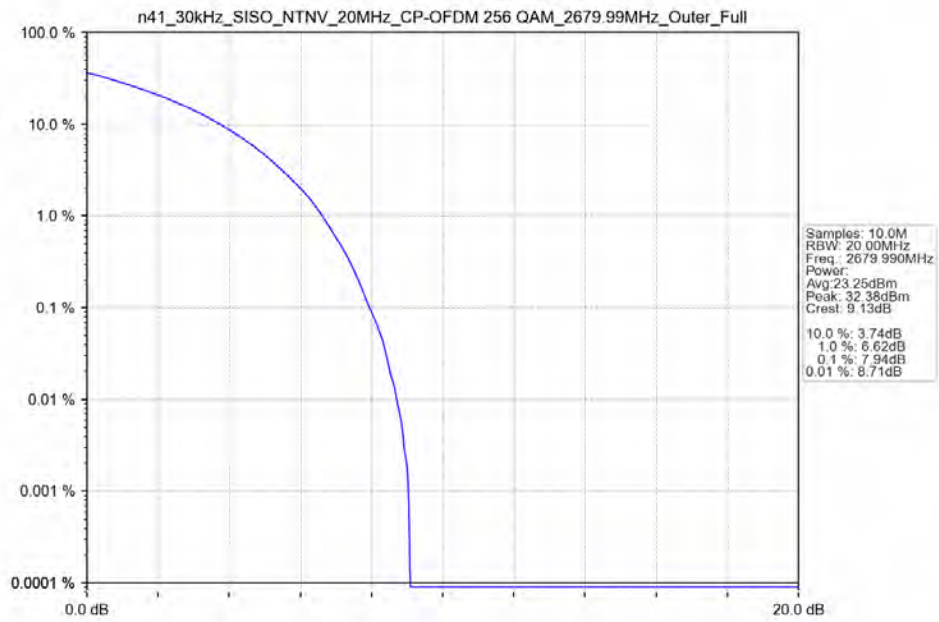
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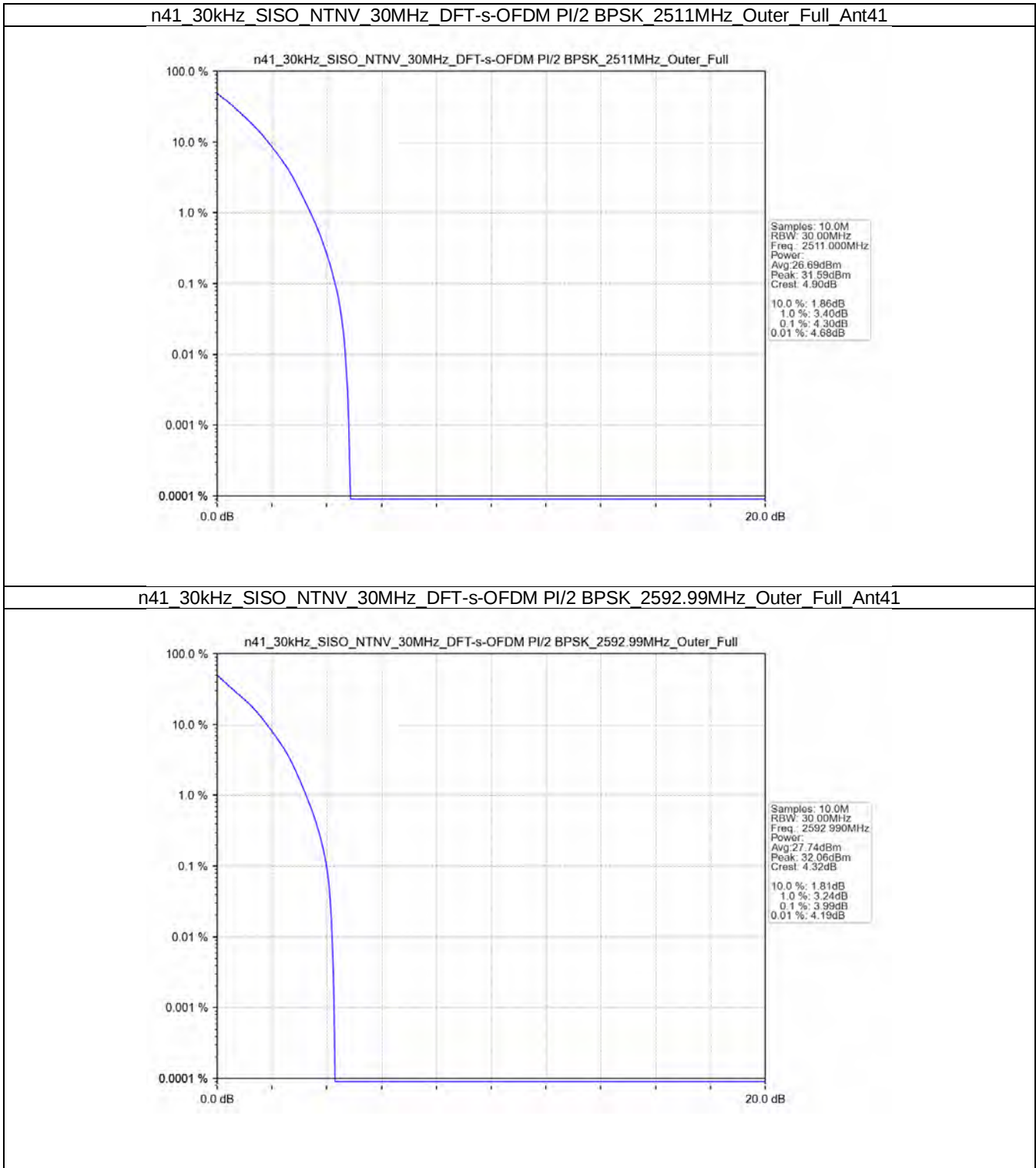
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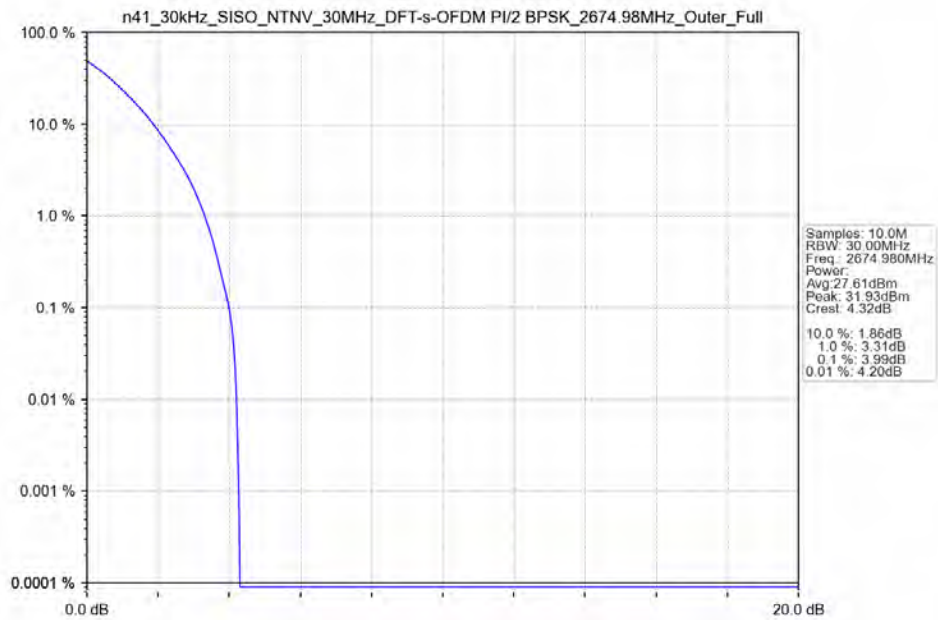
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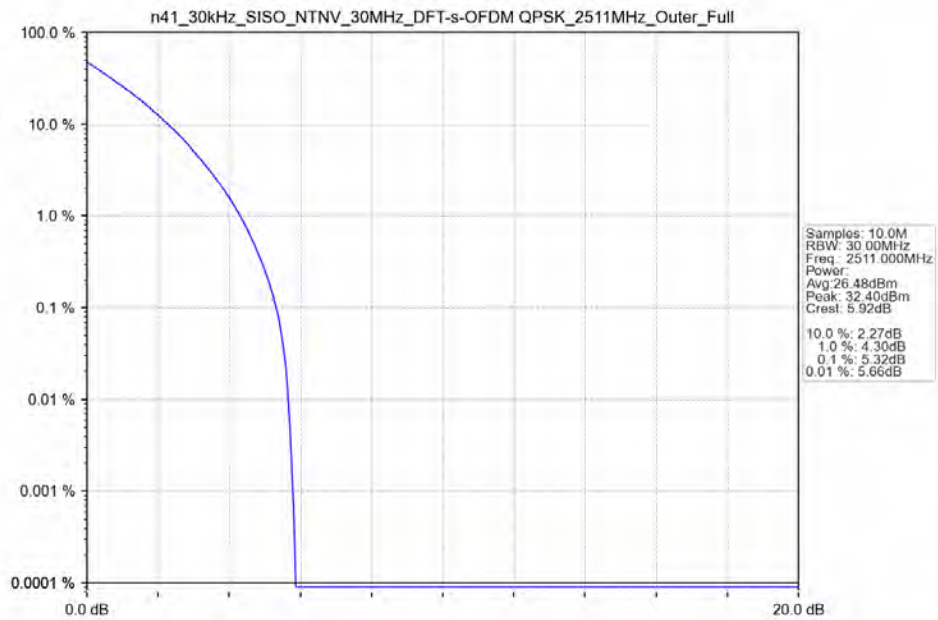
4.2.4 30k_SISO_30MHz_NTNV



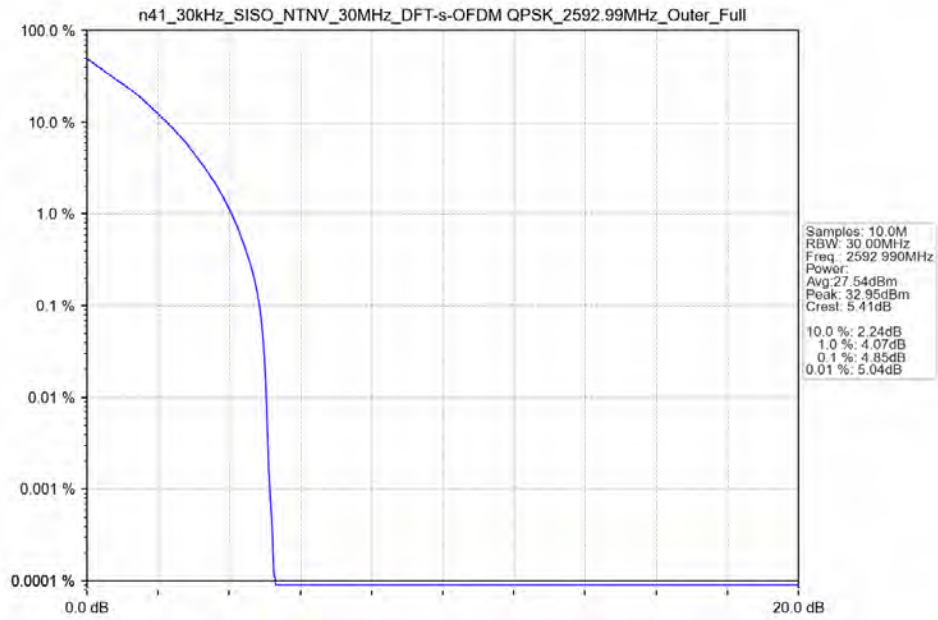
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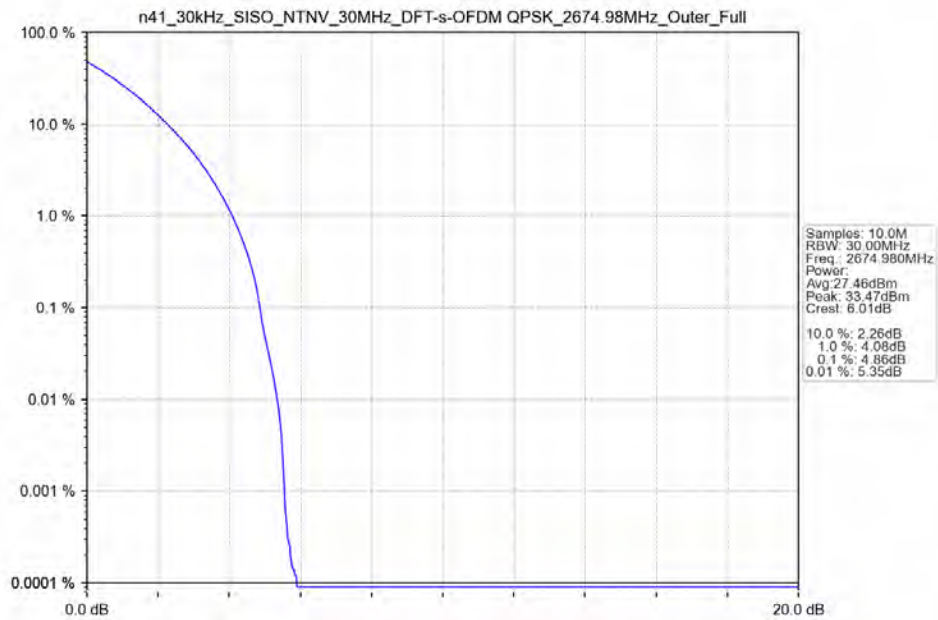
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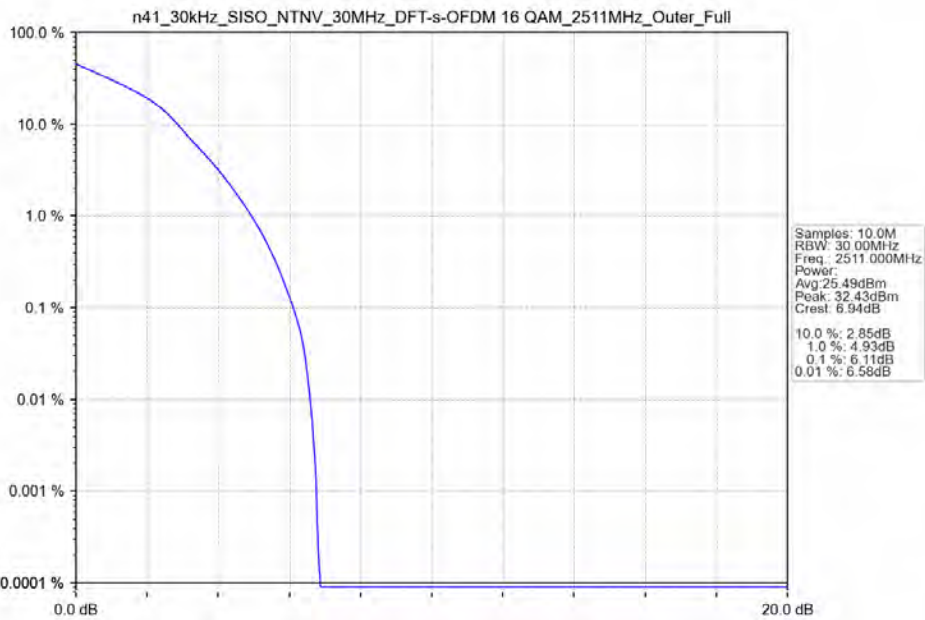
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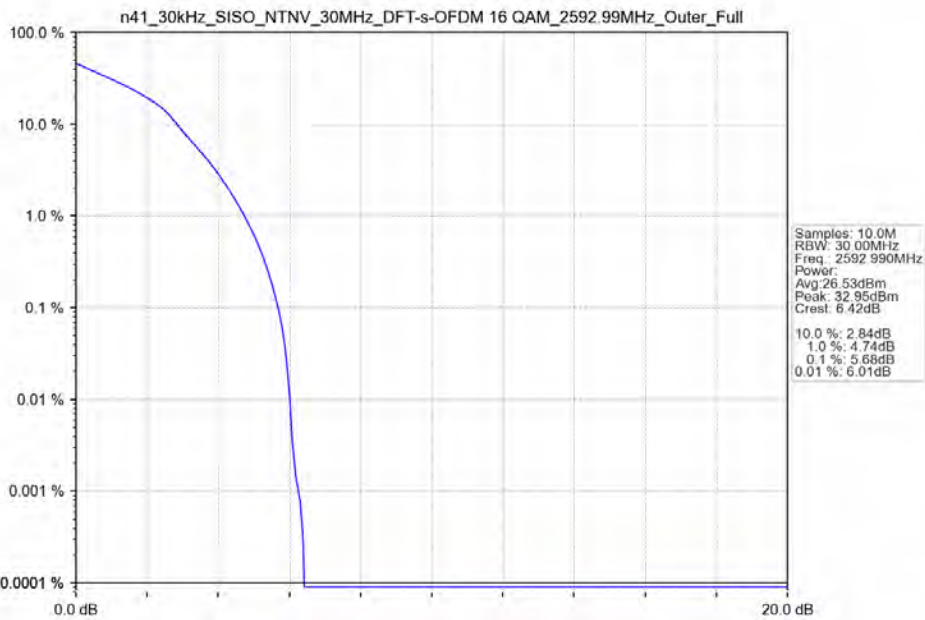
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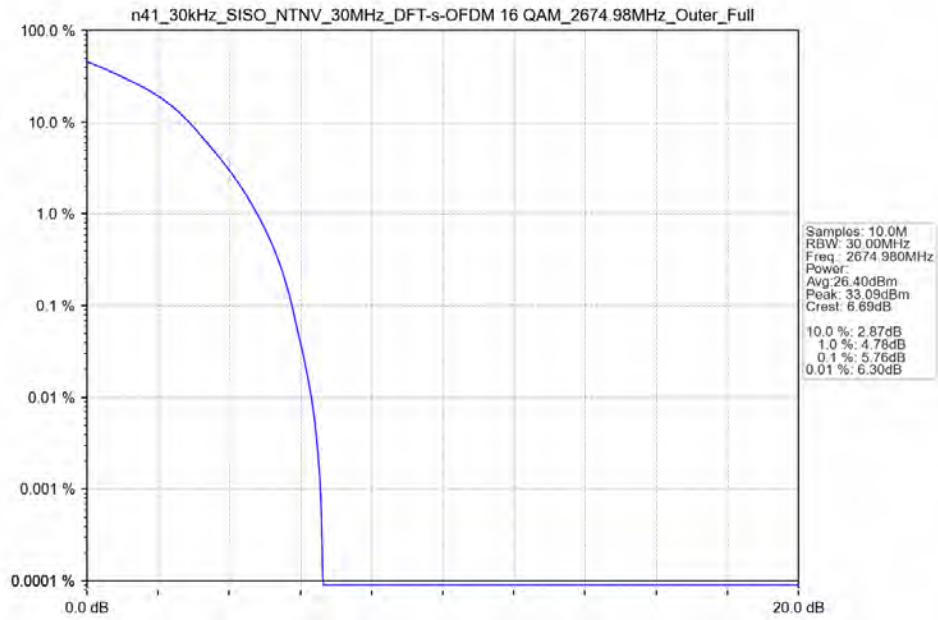
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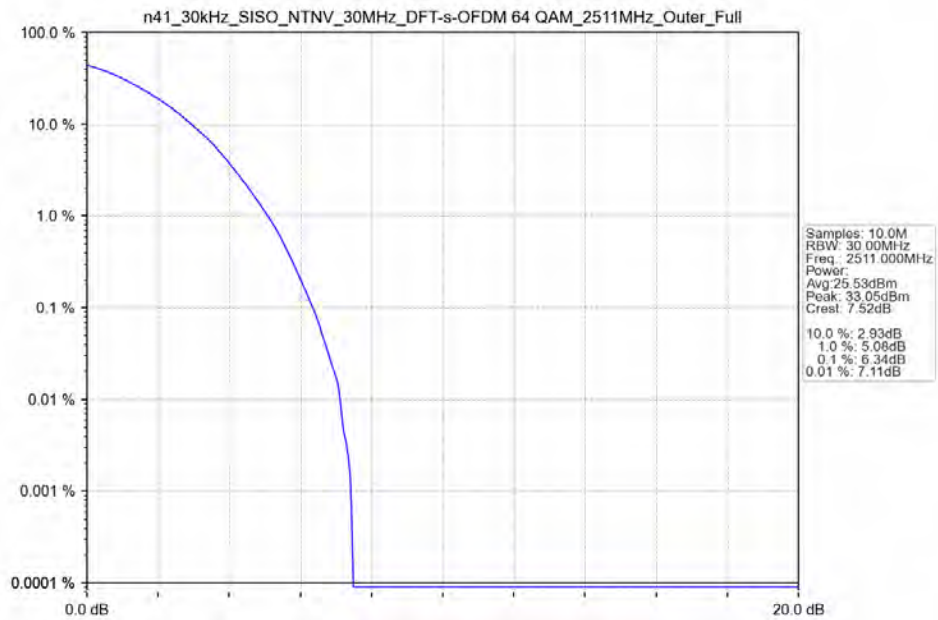
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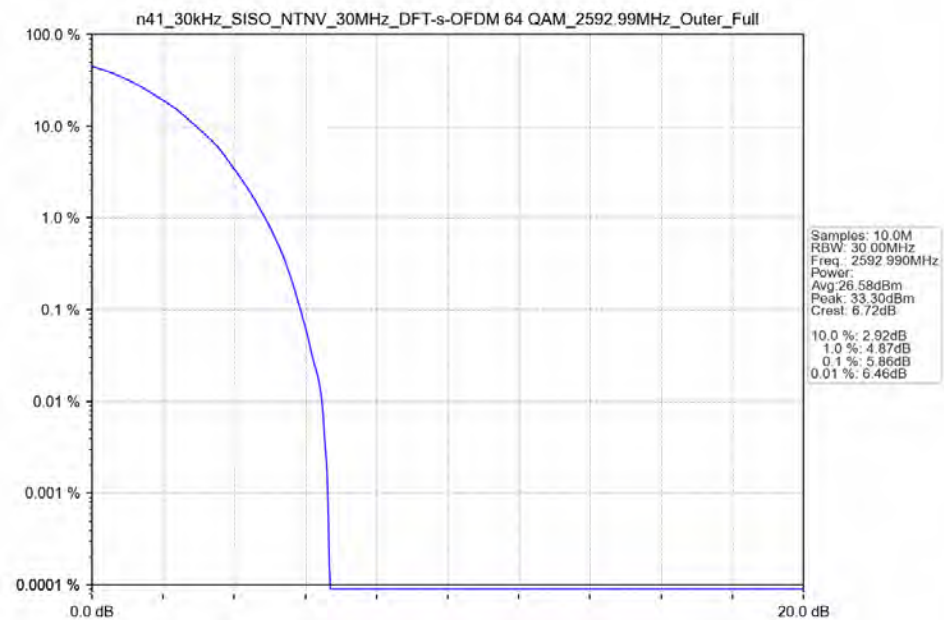
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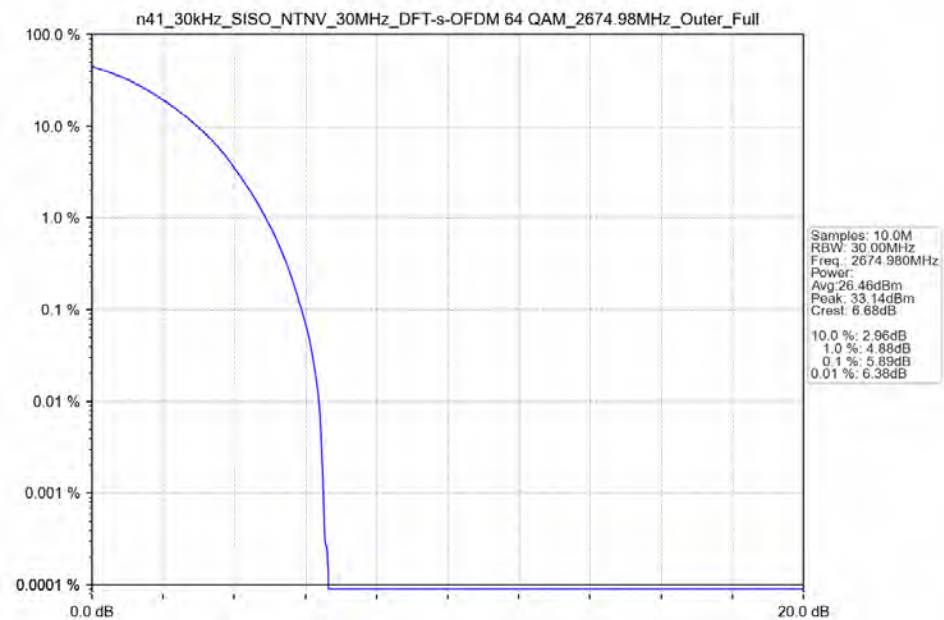
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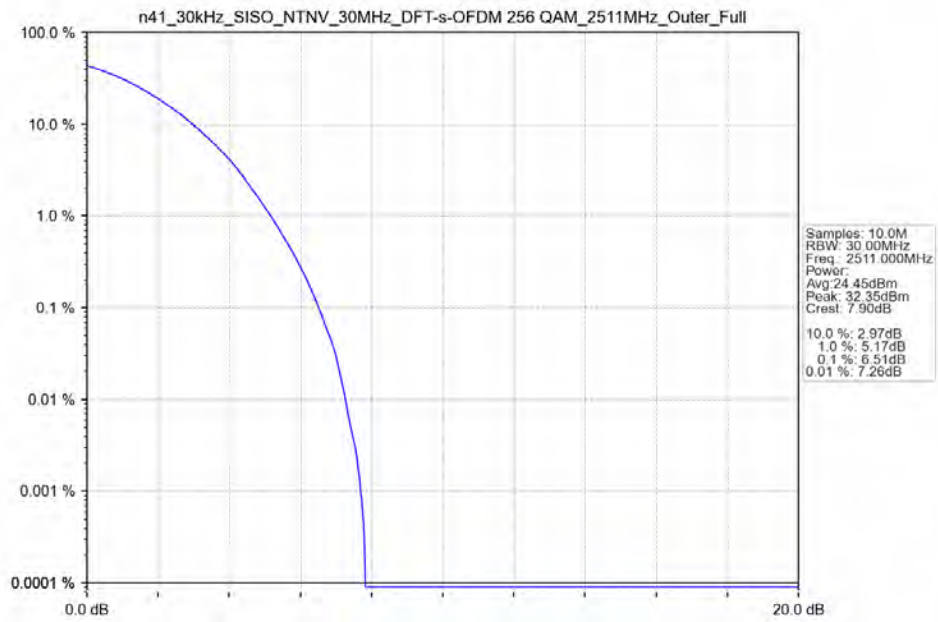
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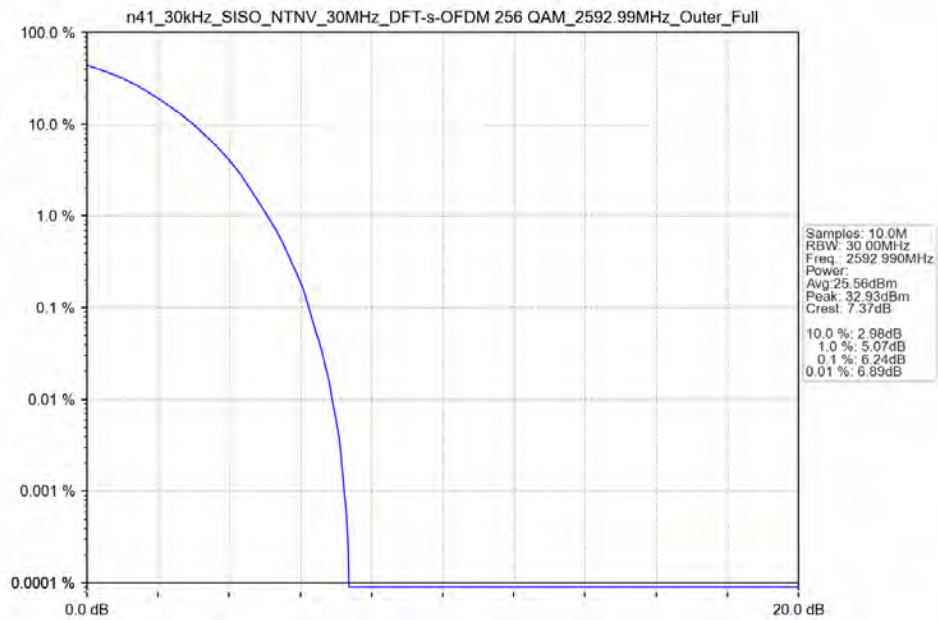
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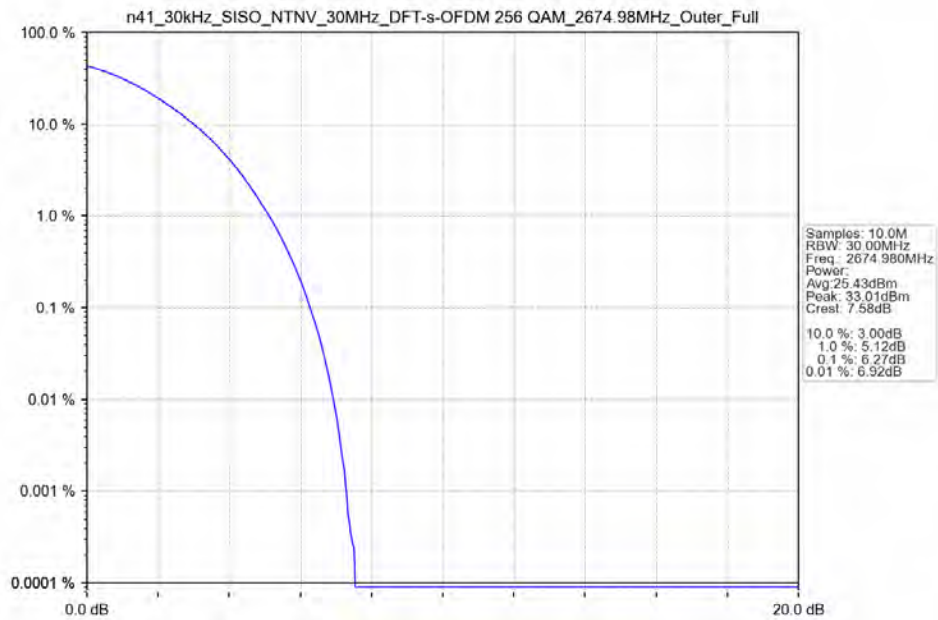
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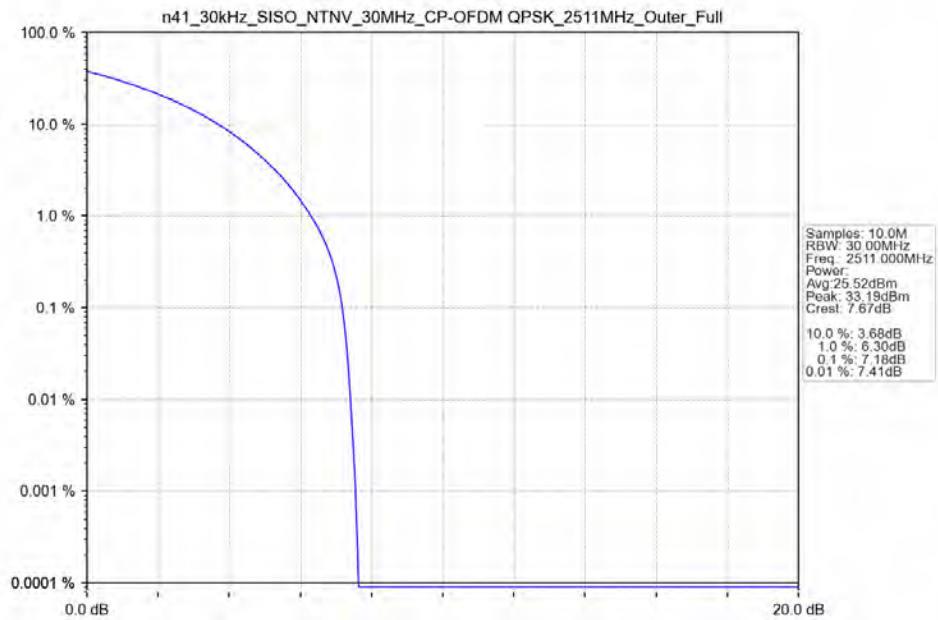
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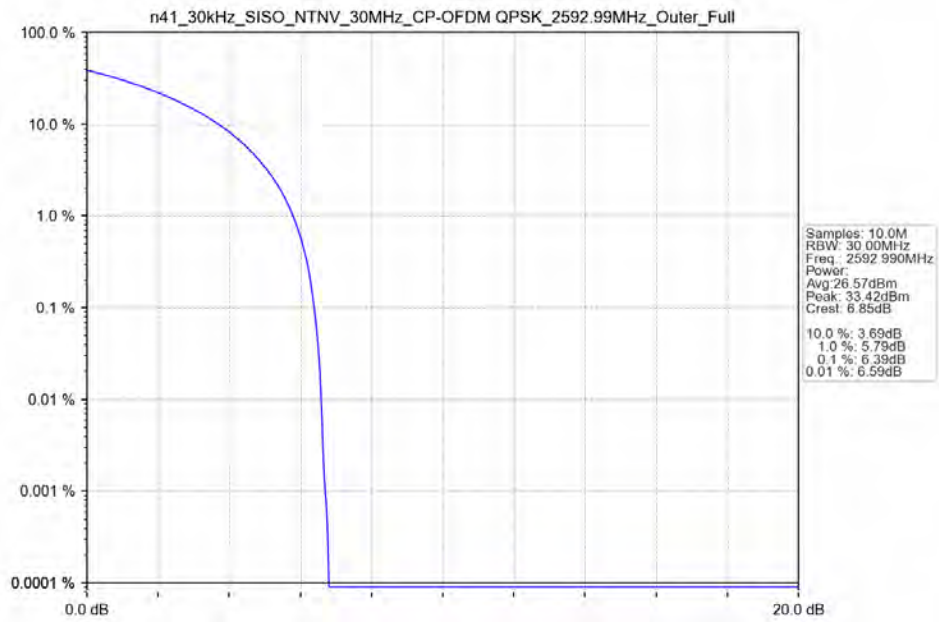
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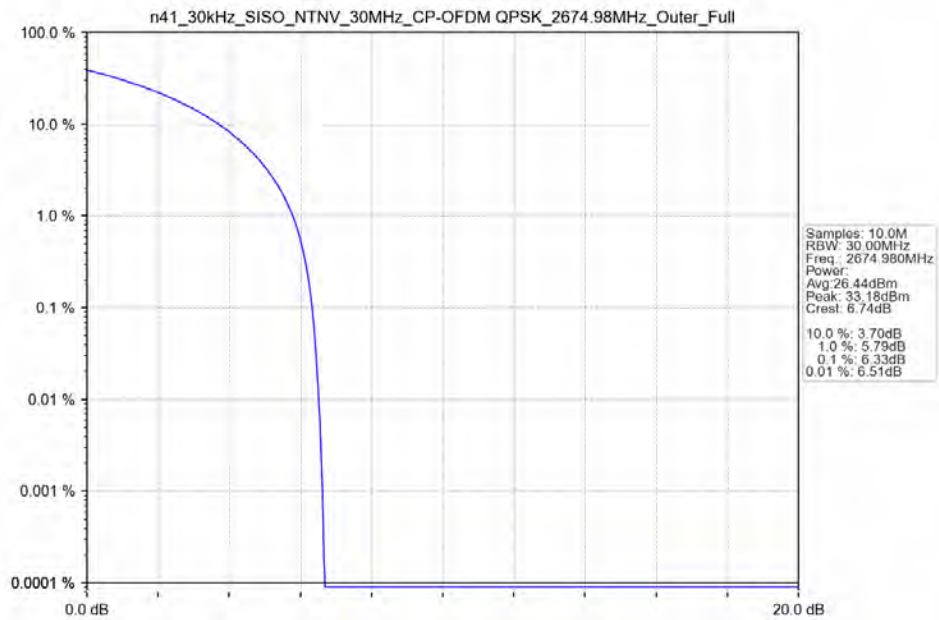
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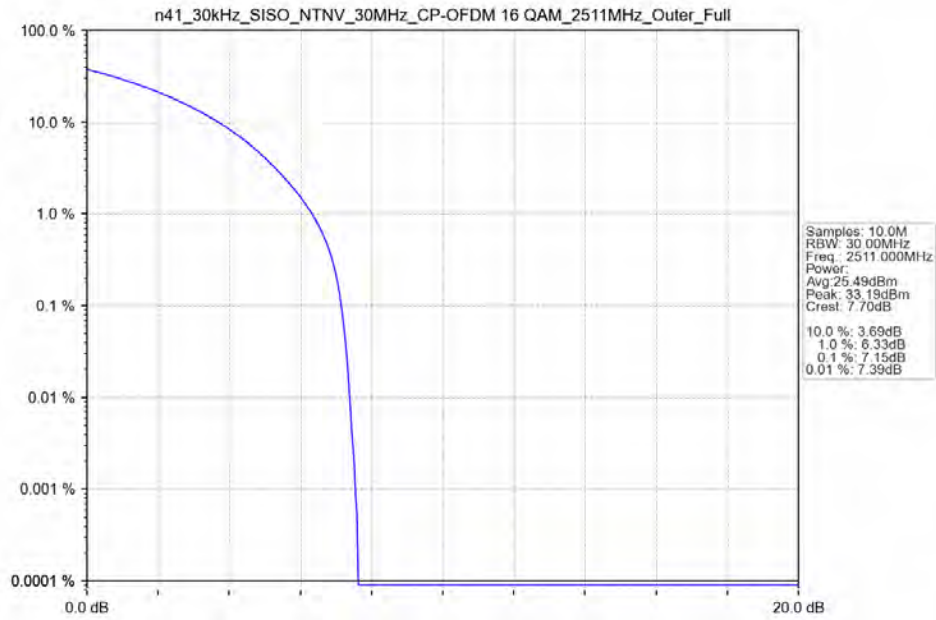
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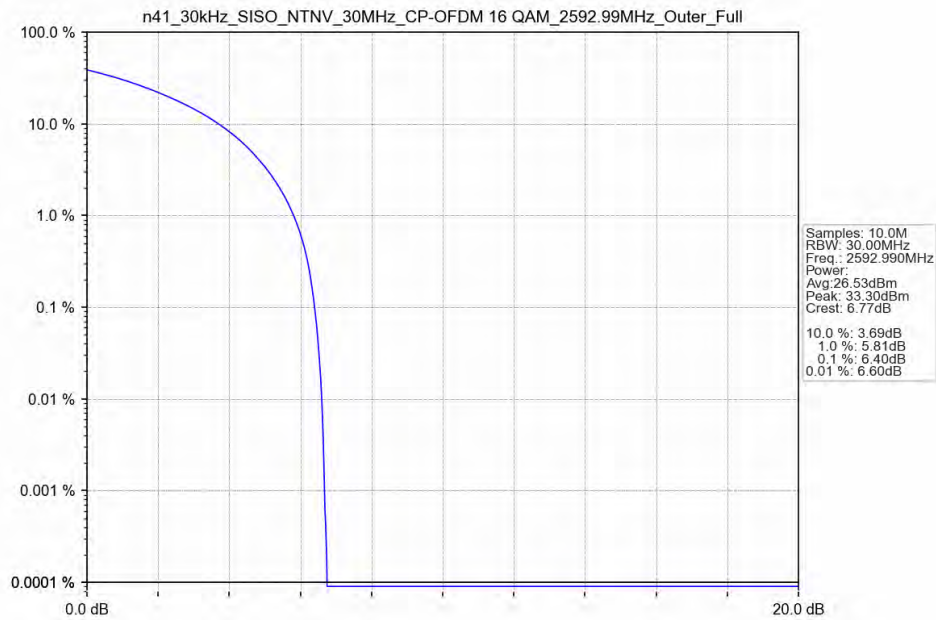
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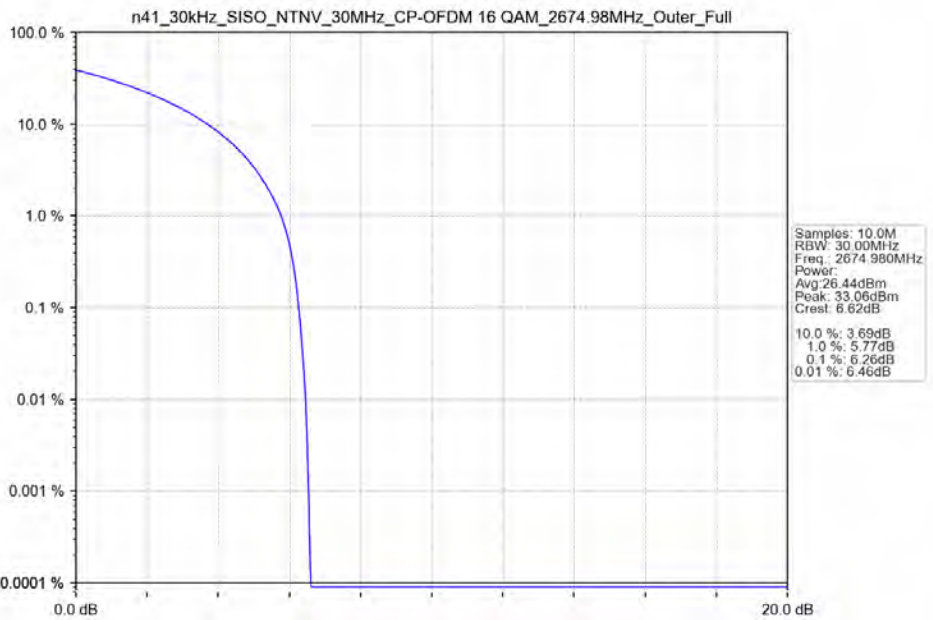
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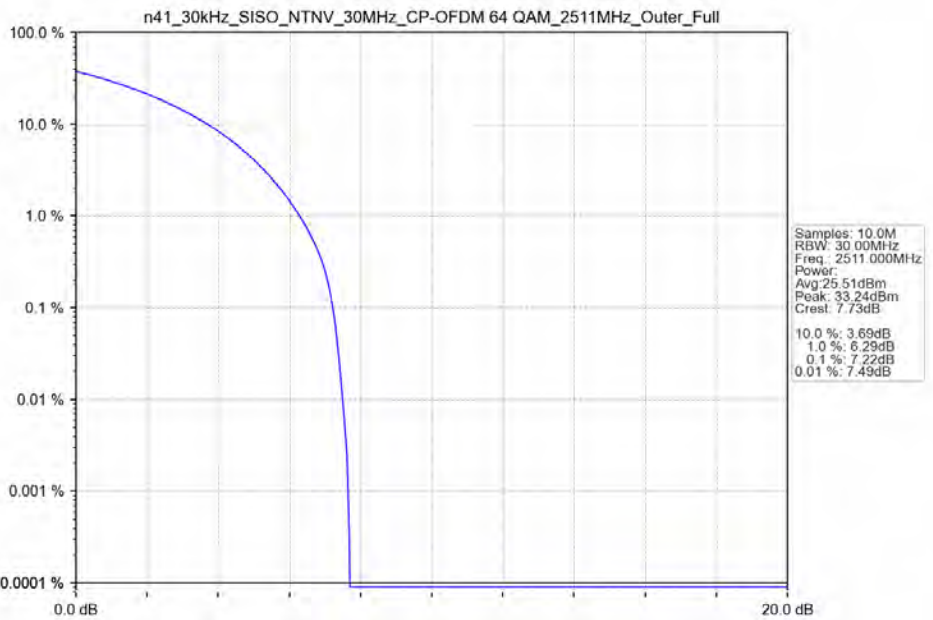
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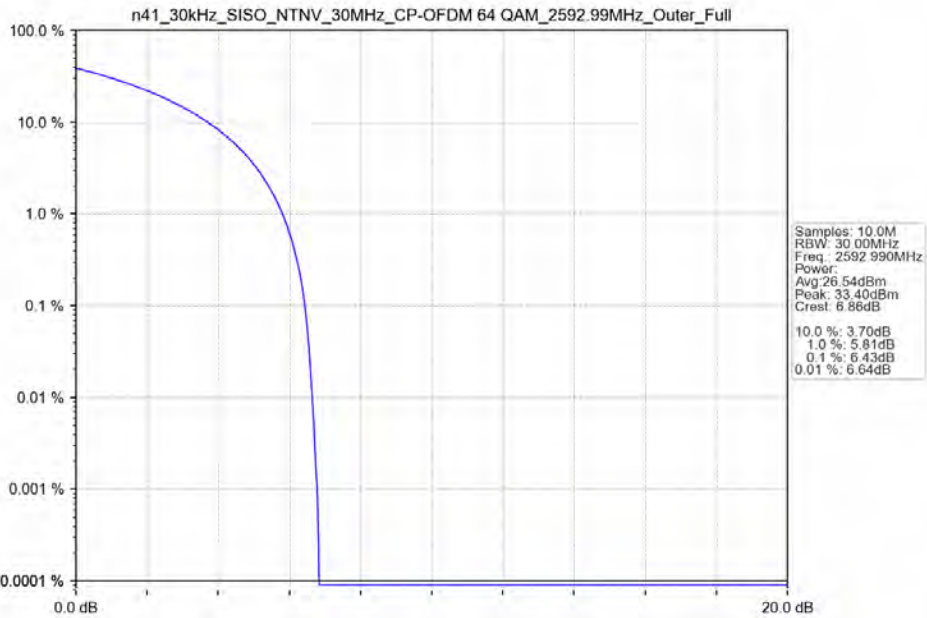
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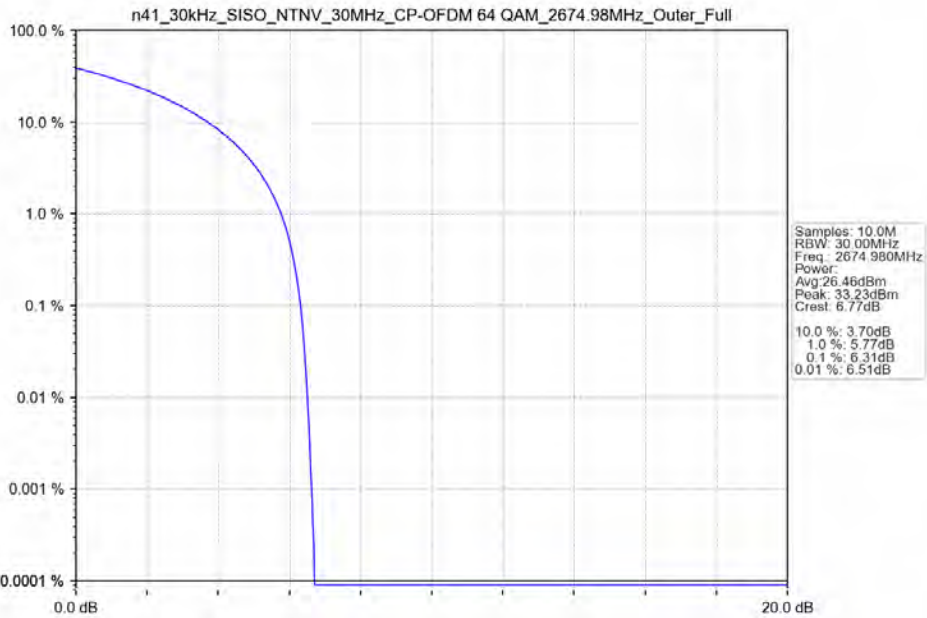
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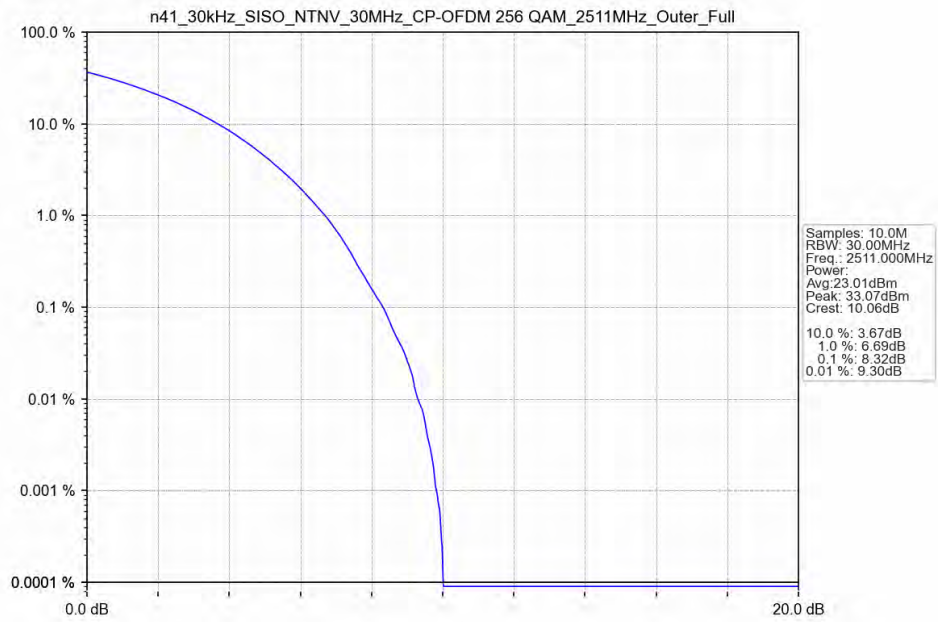
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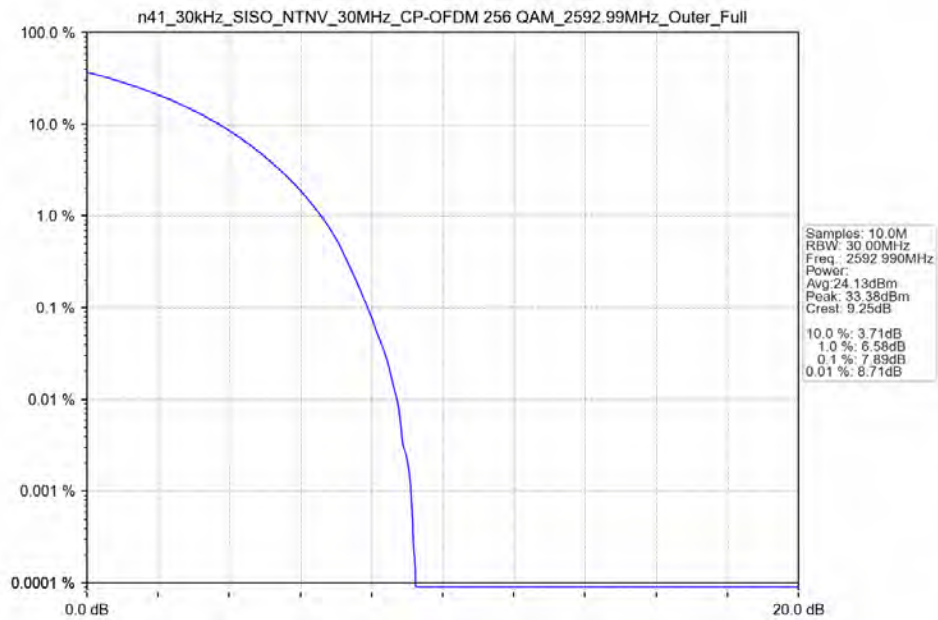
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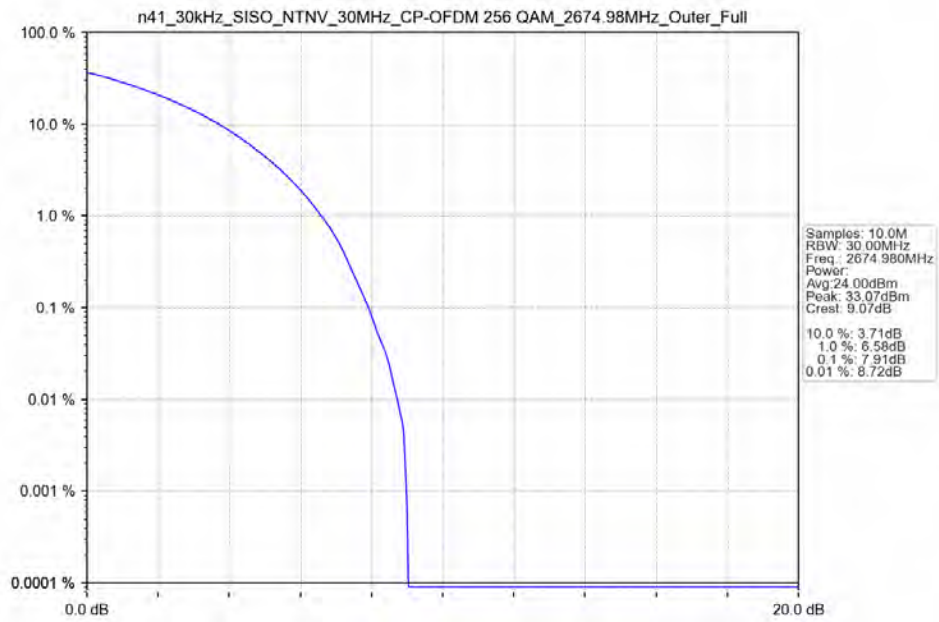
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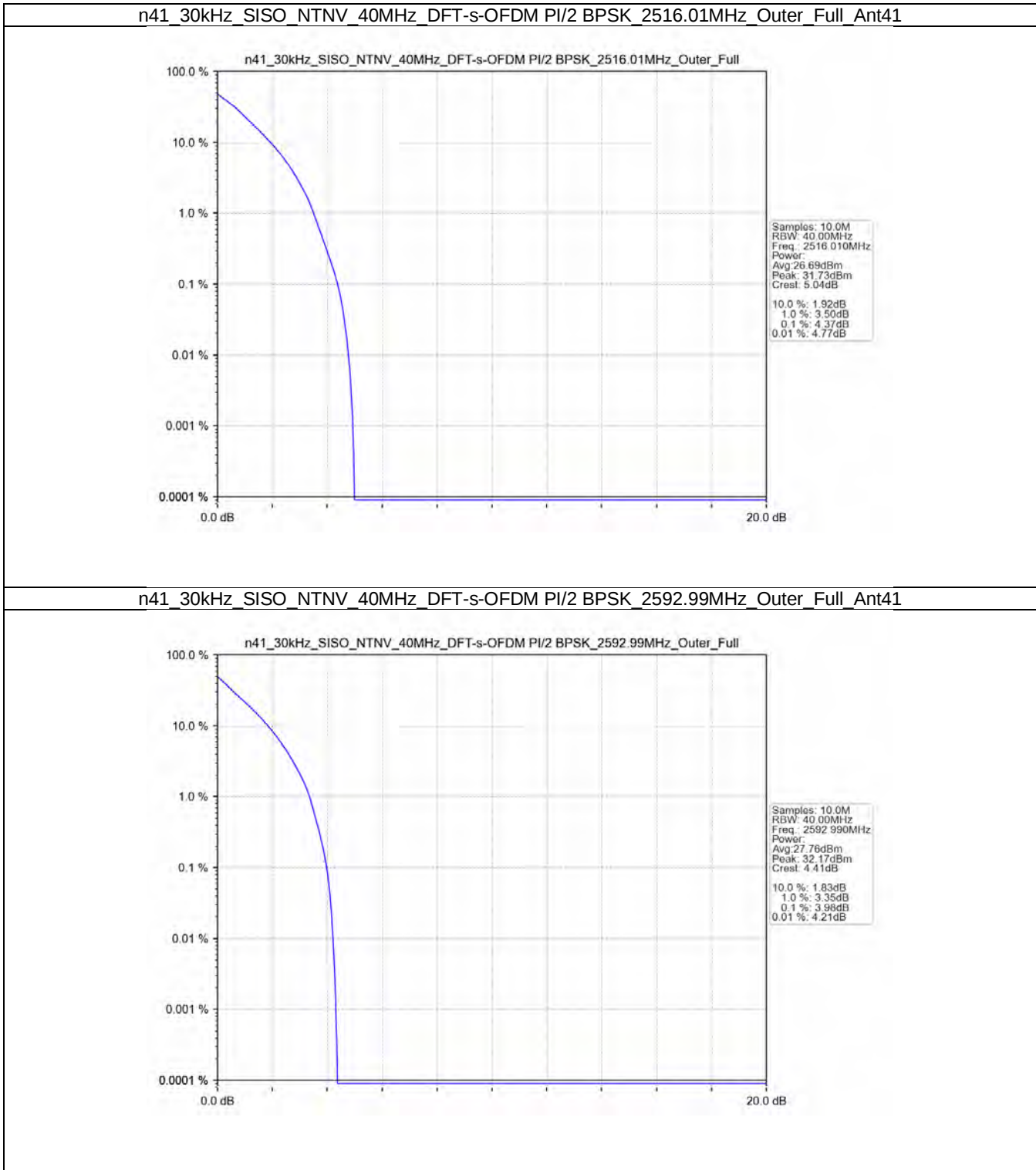
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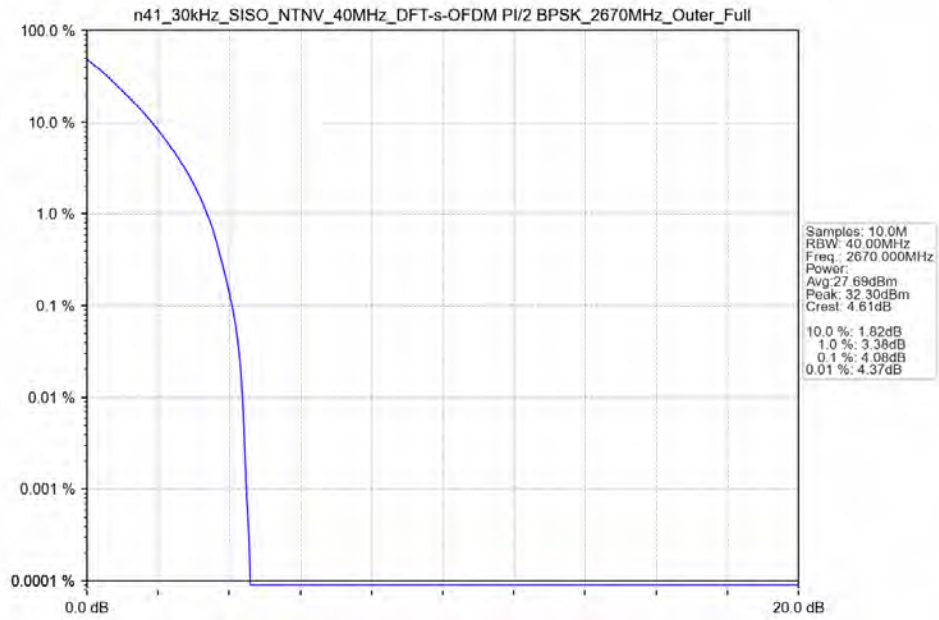
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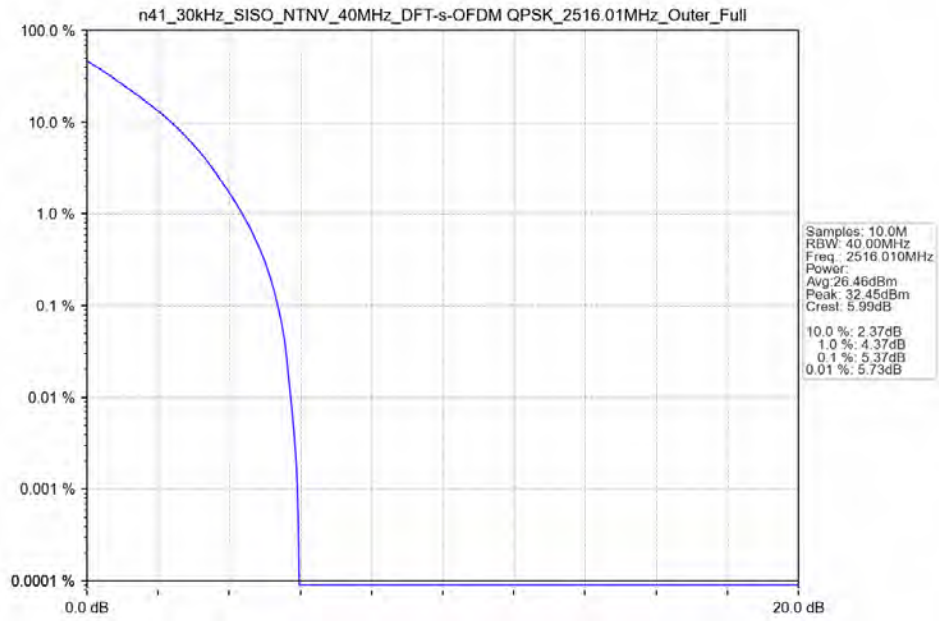
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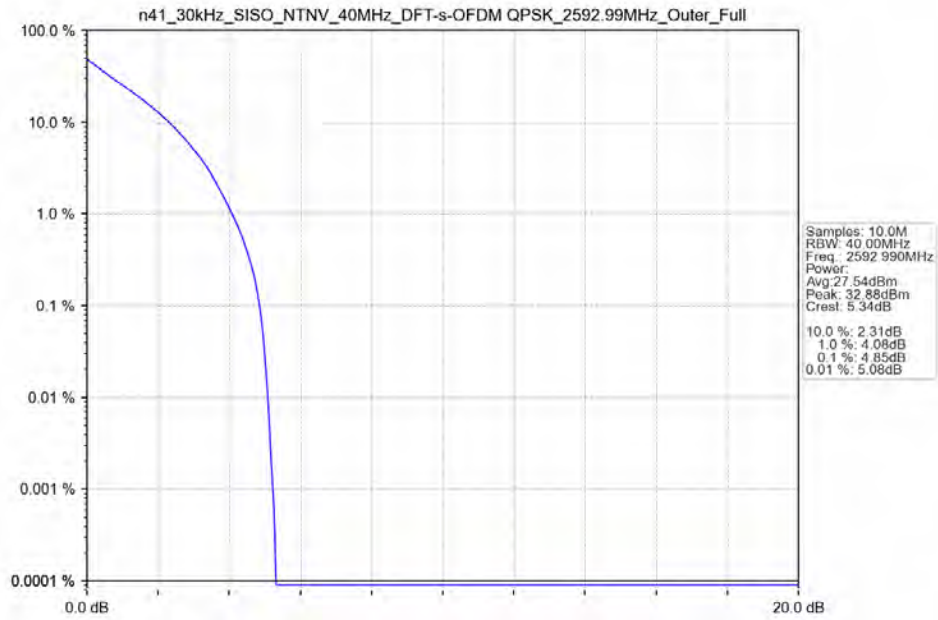
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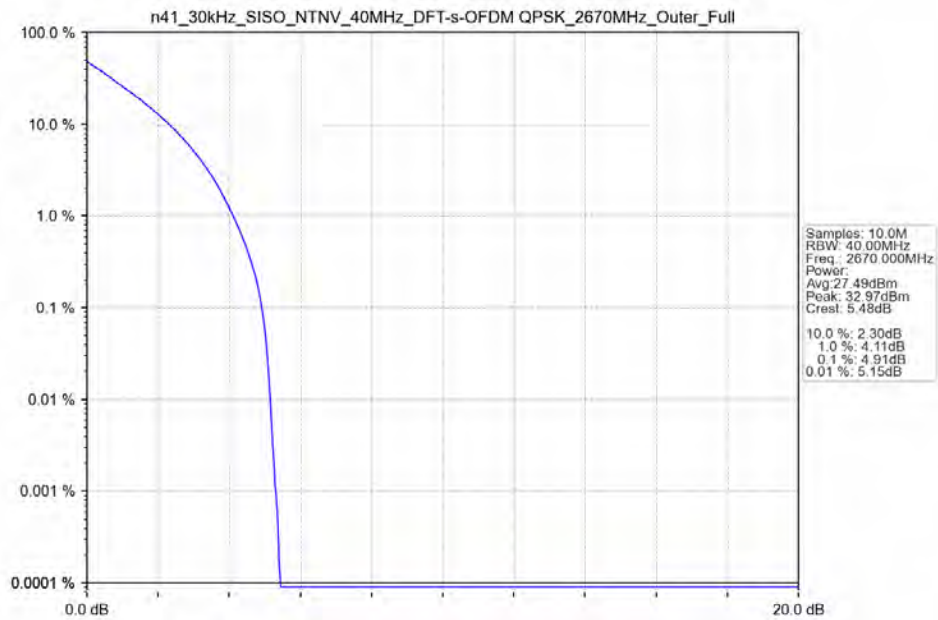
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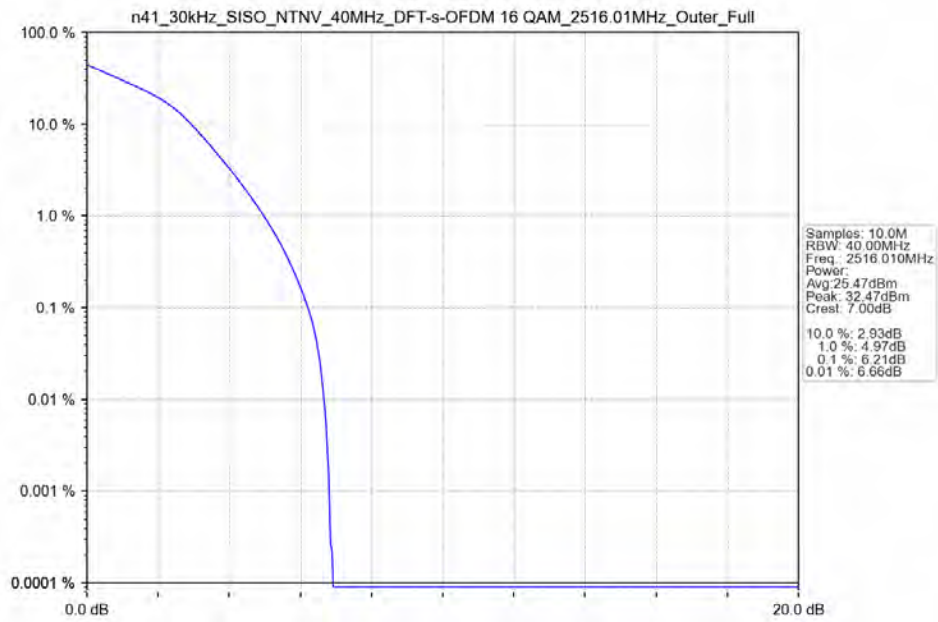
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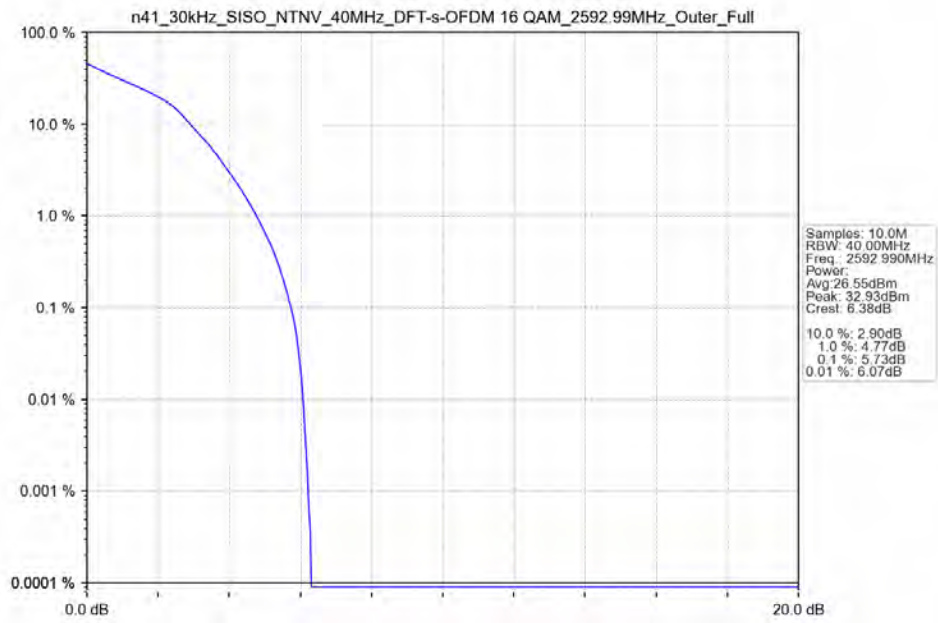
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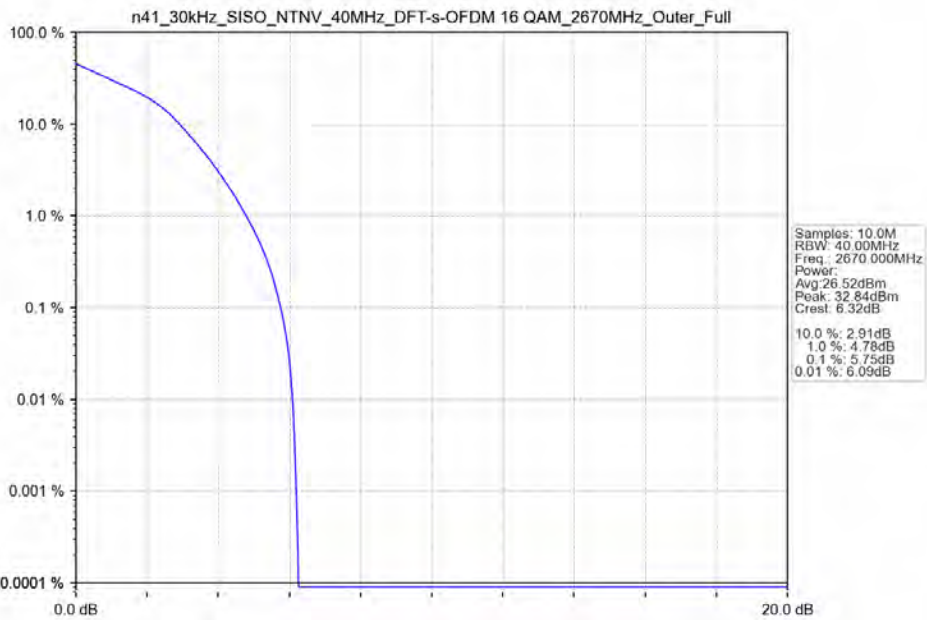
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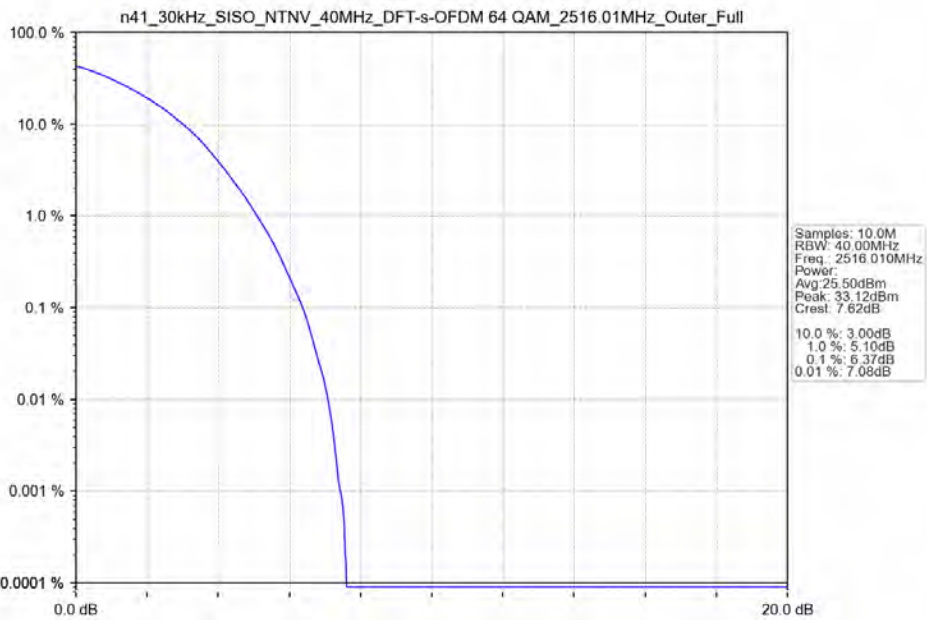
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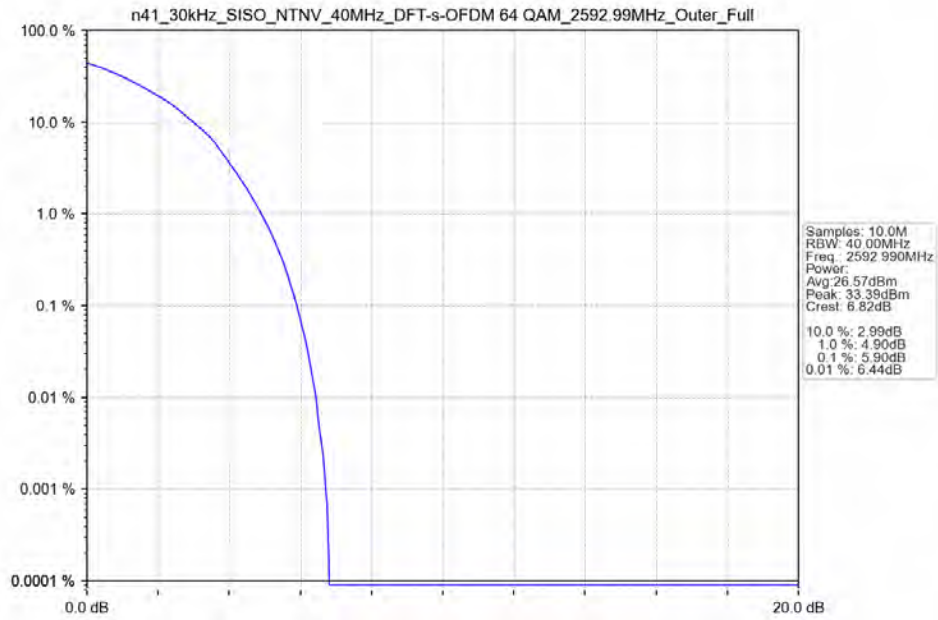
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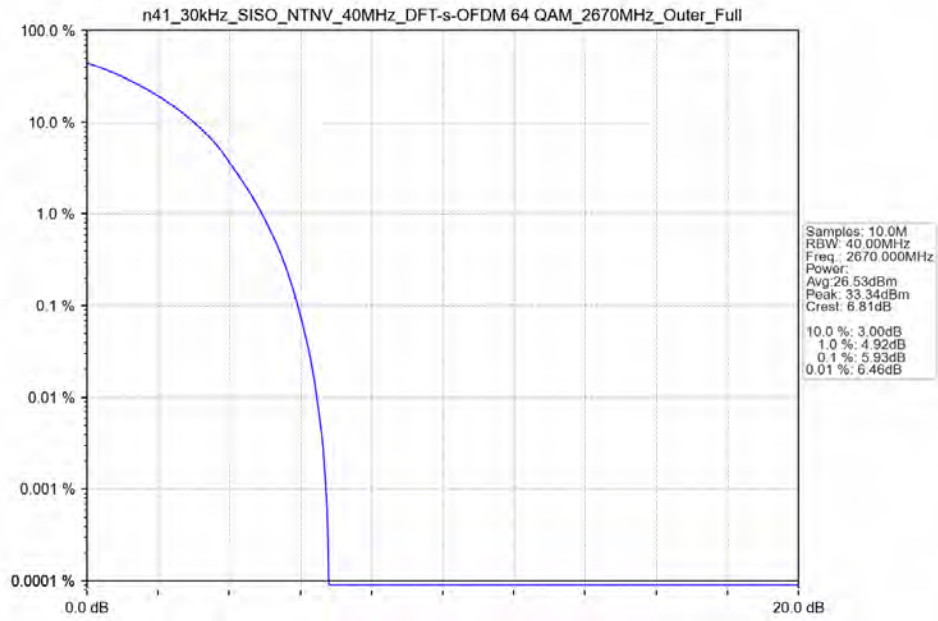
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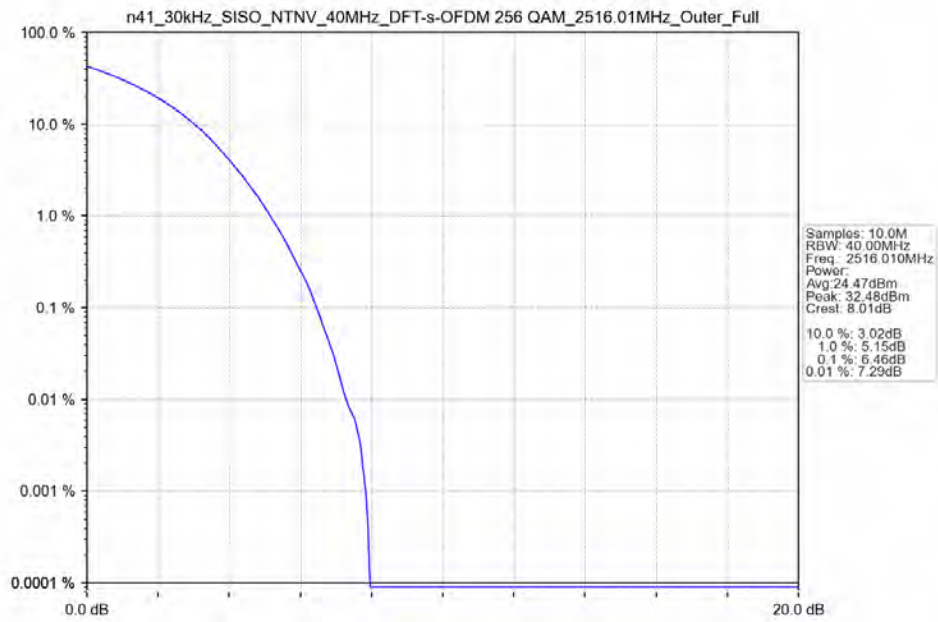
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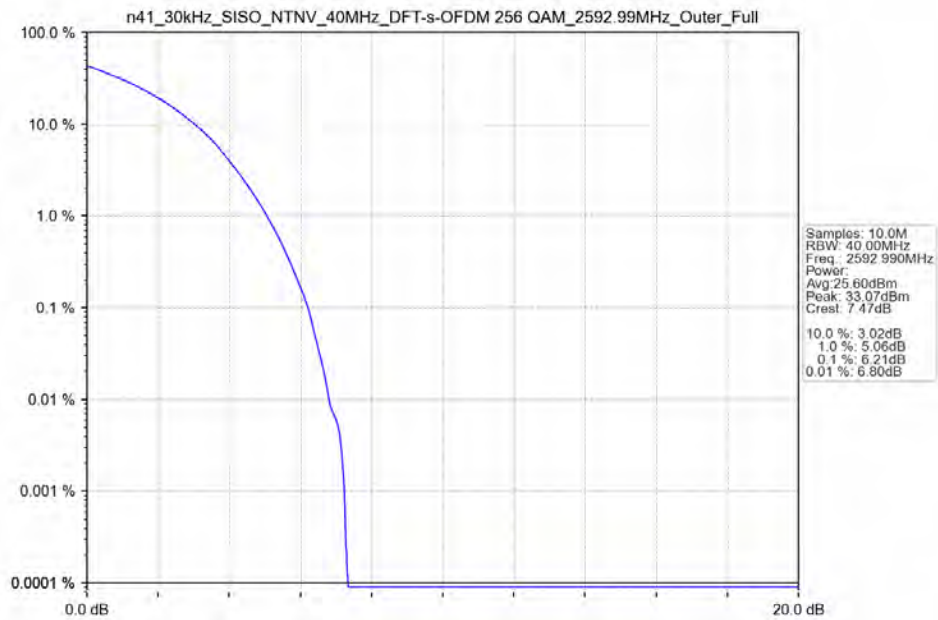
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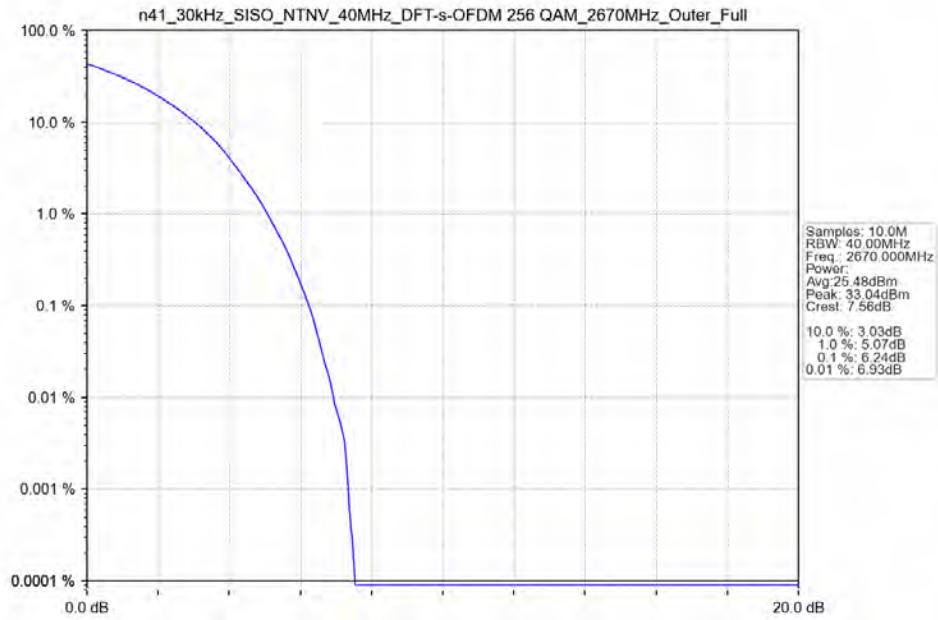
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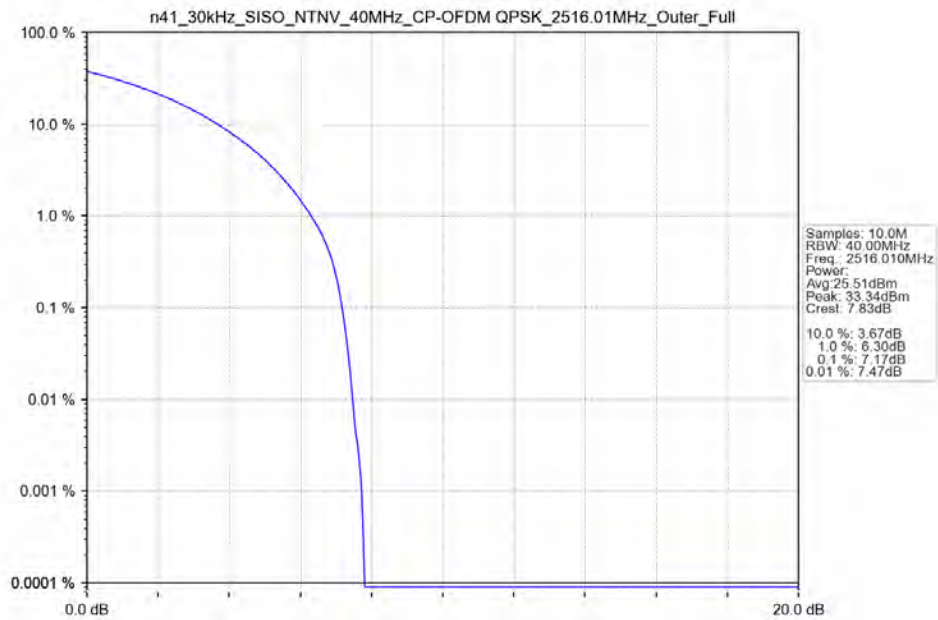
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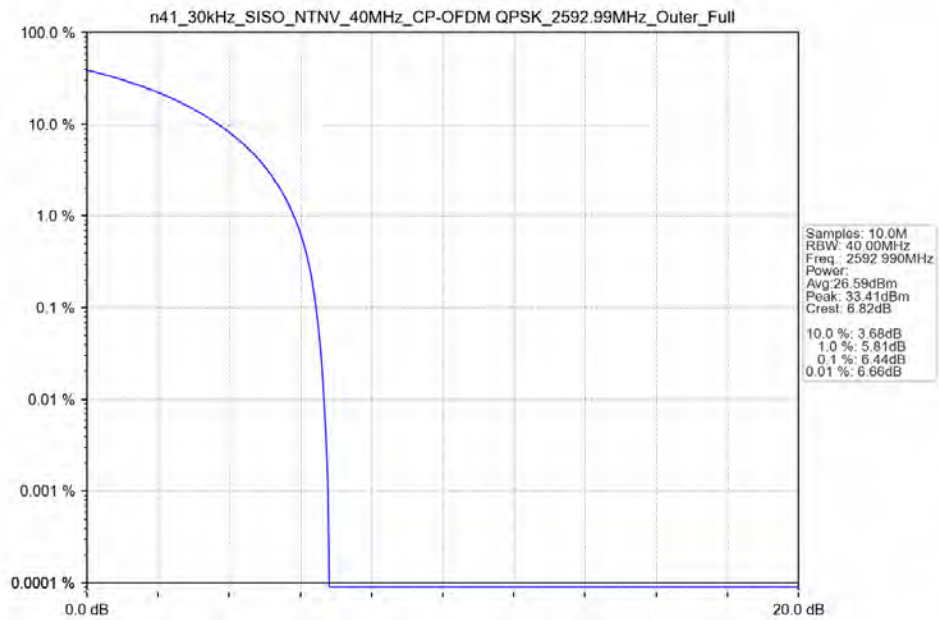
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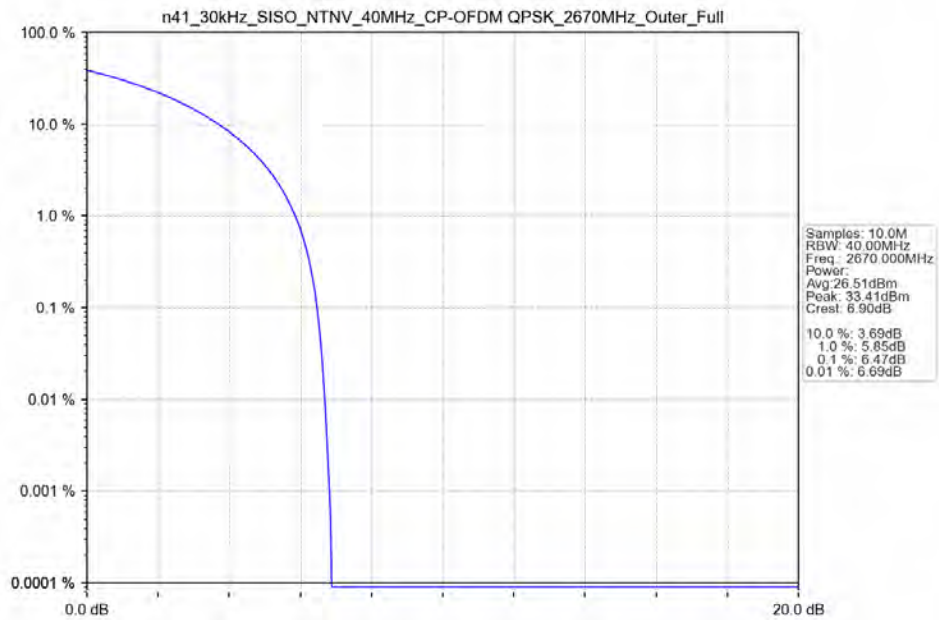
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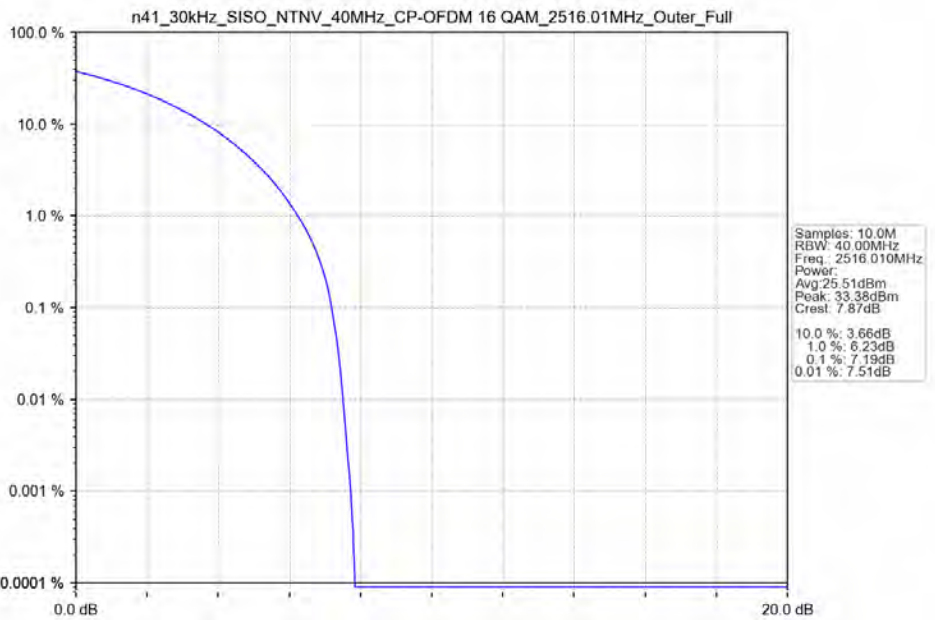
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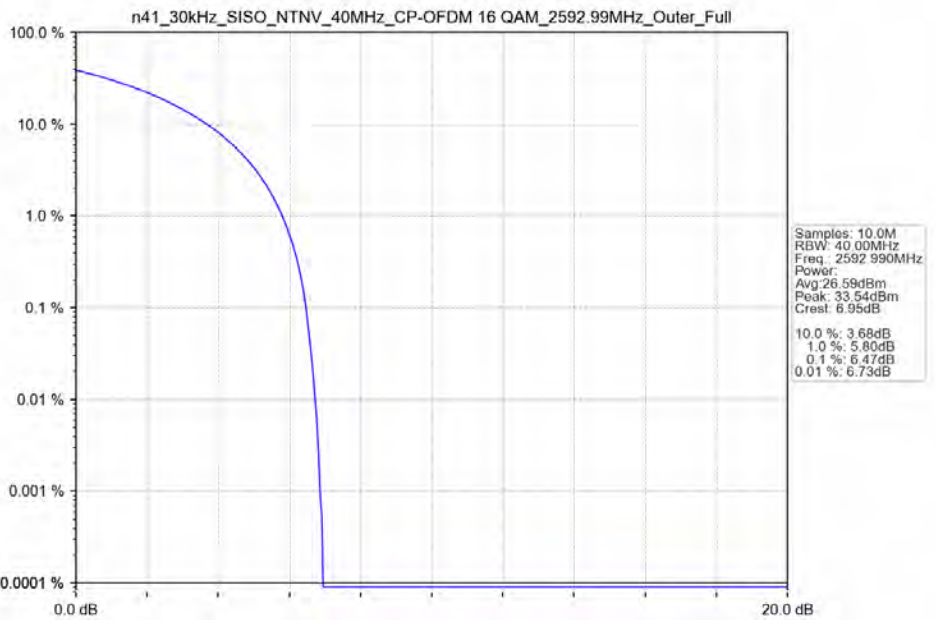
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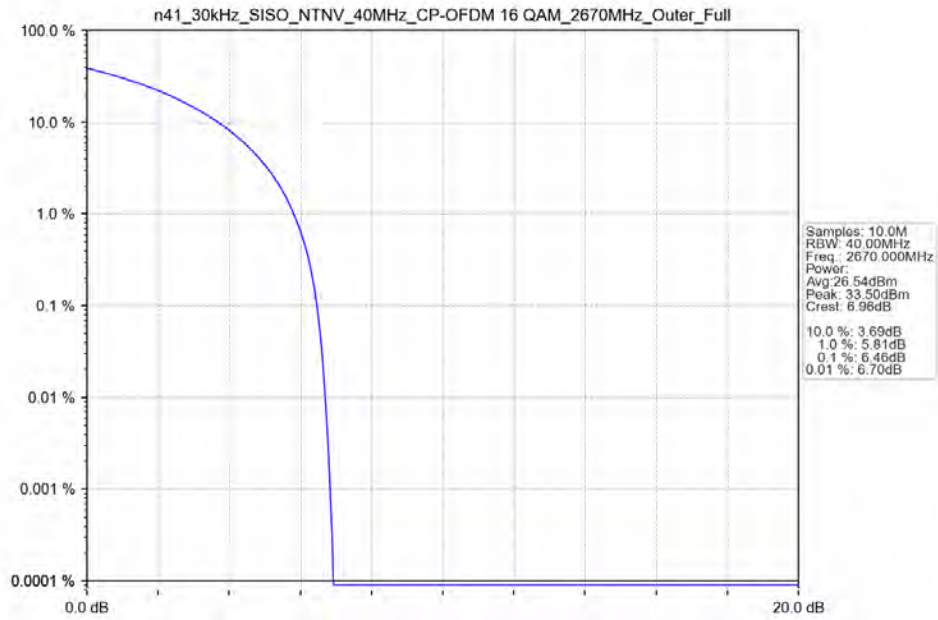
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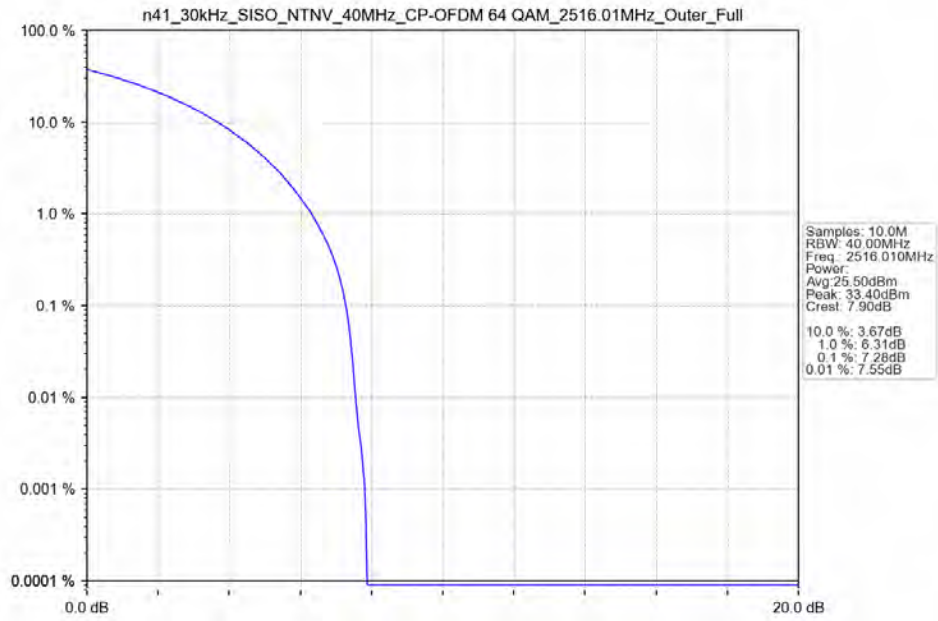
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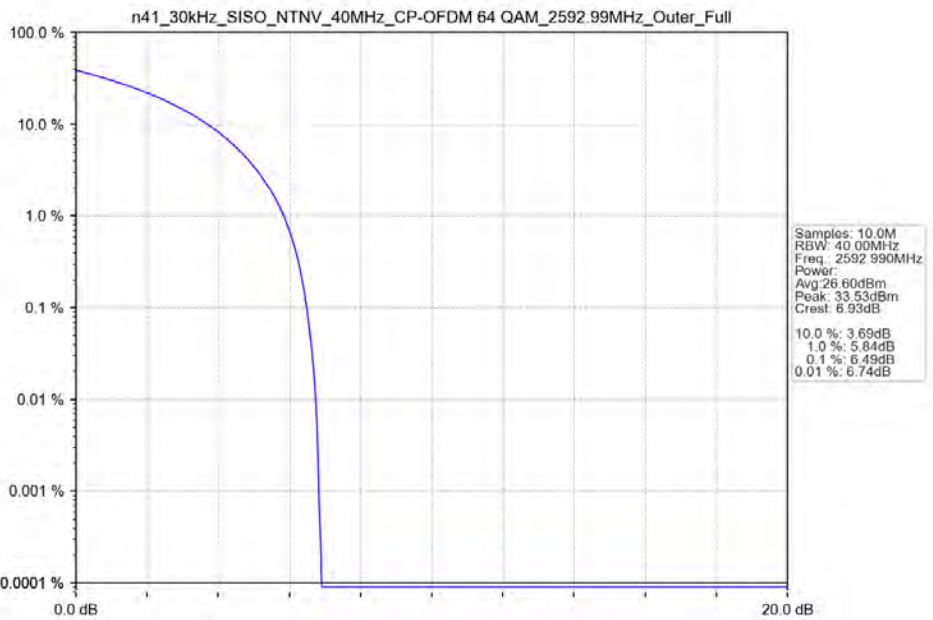
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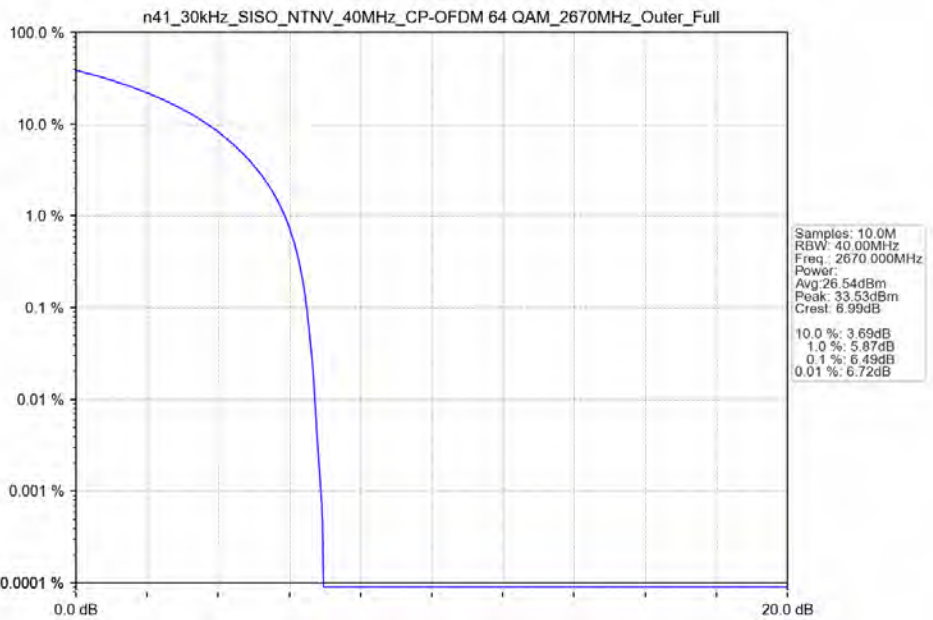
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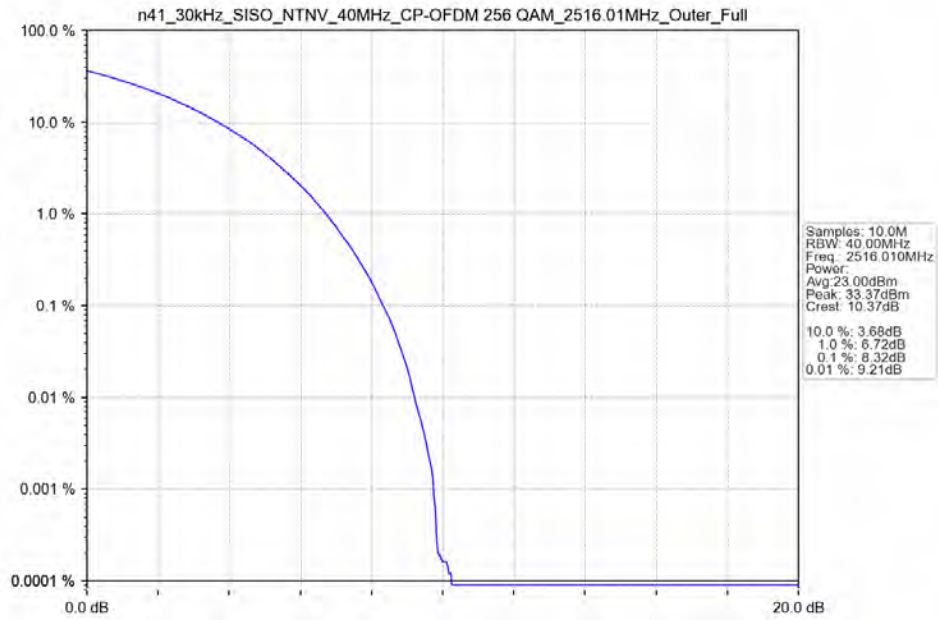
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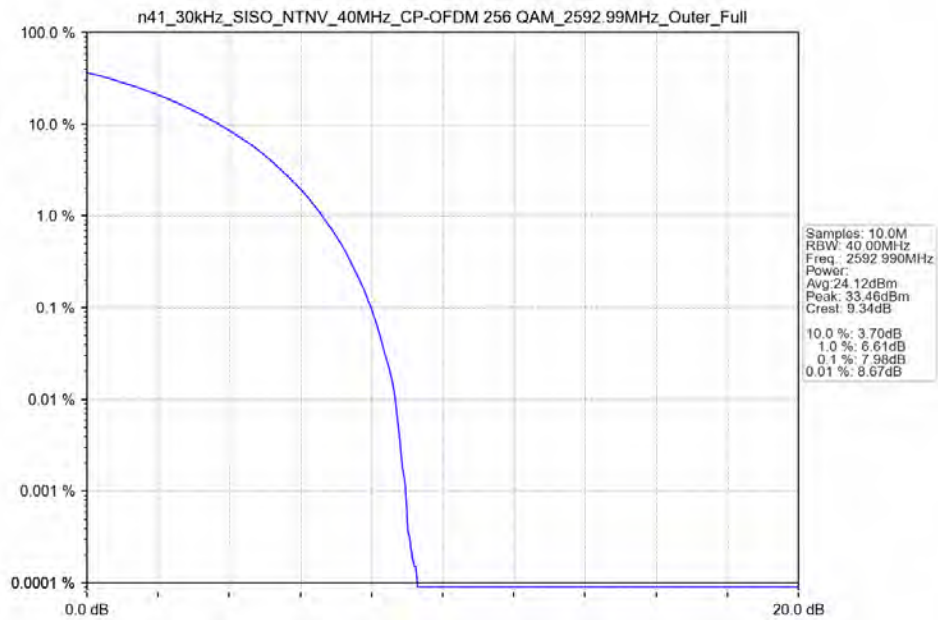
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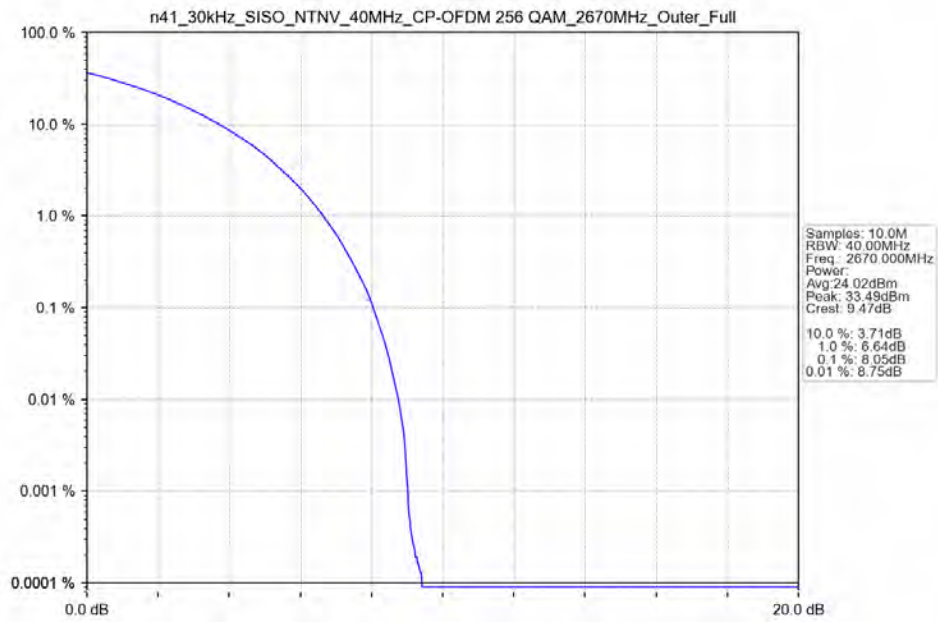
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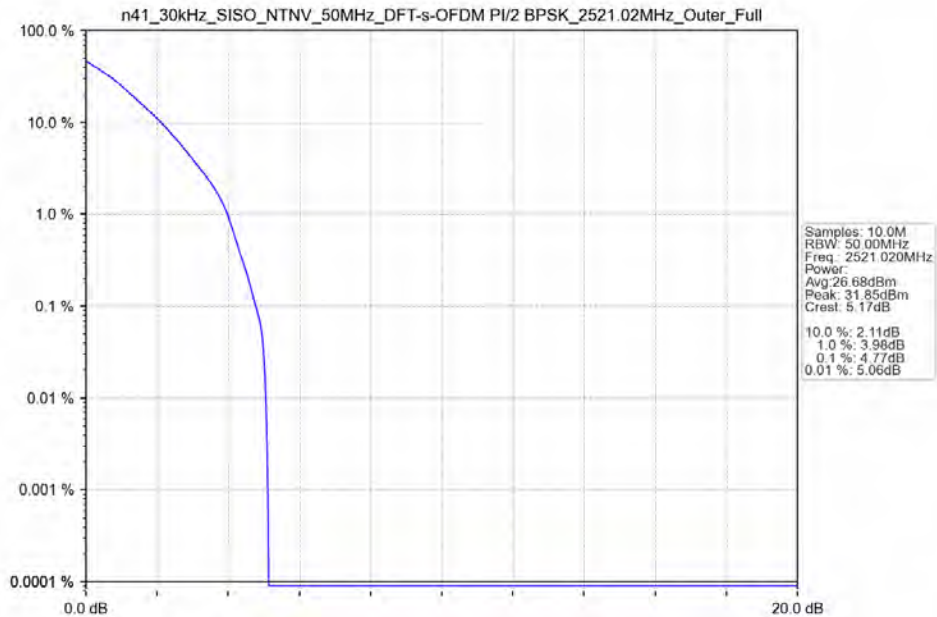


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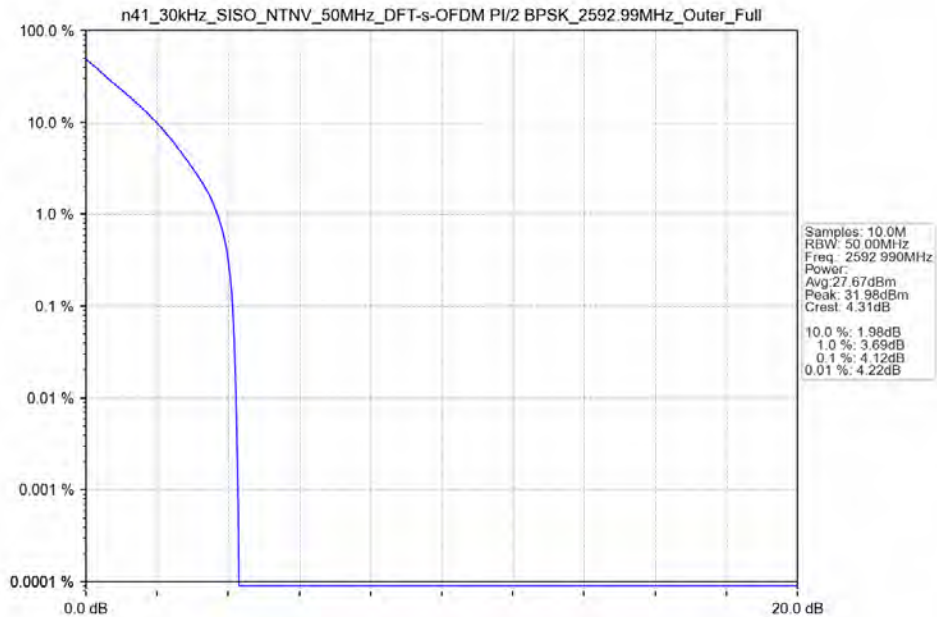


4.2.6 30k_SISO_50MHz_NTNV

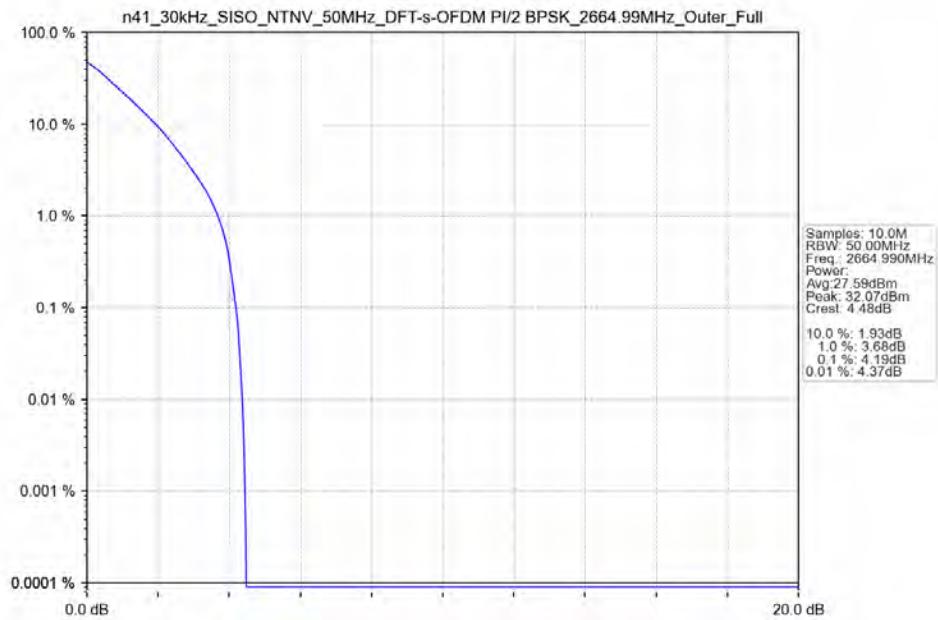
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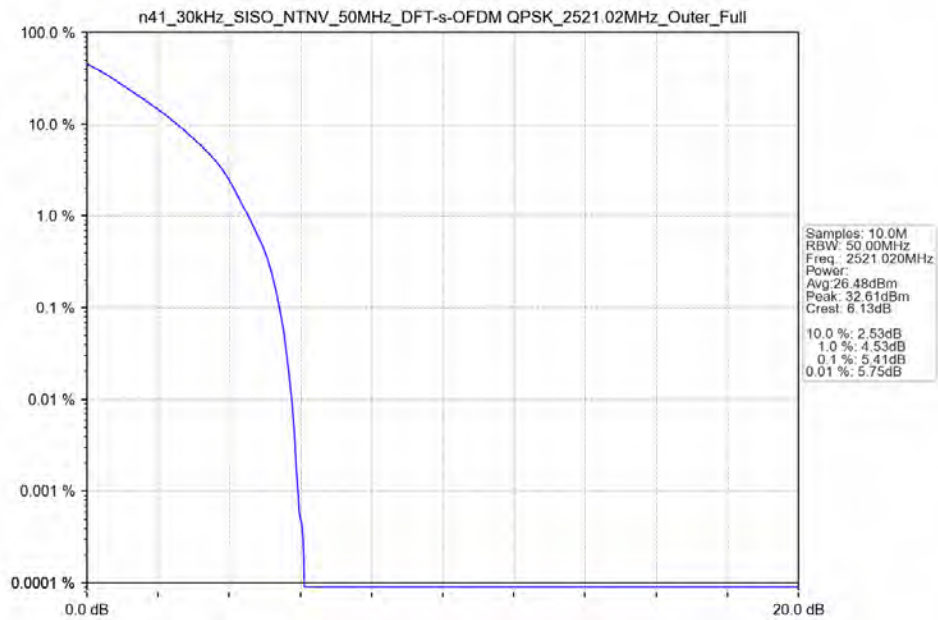
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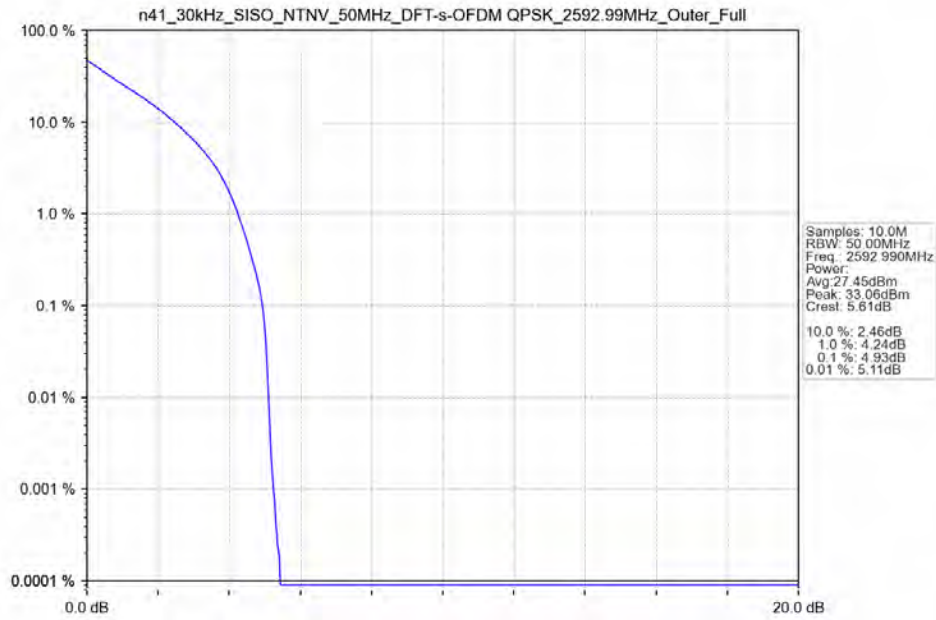
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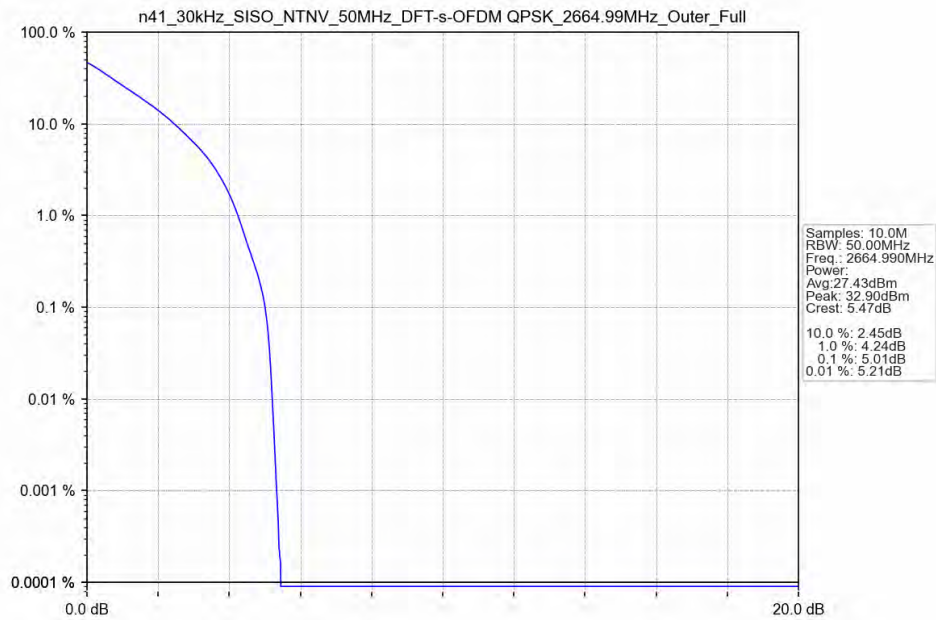
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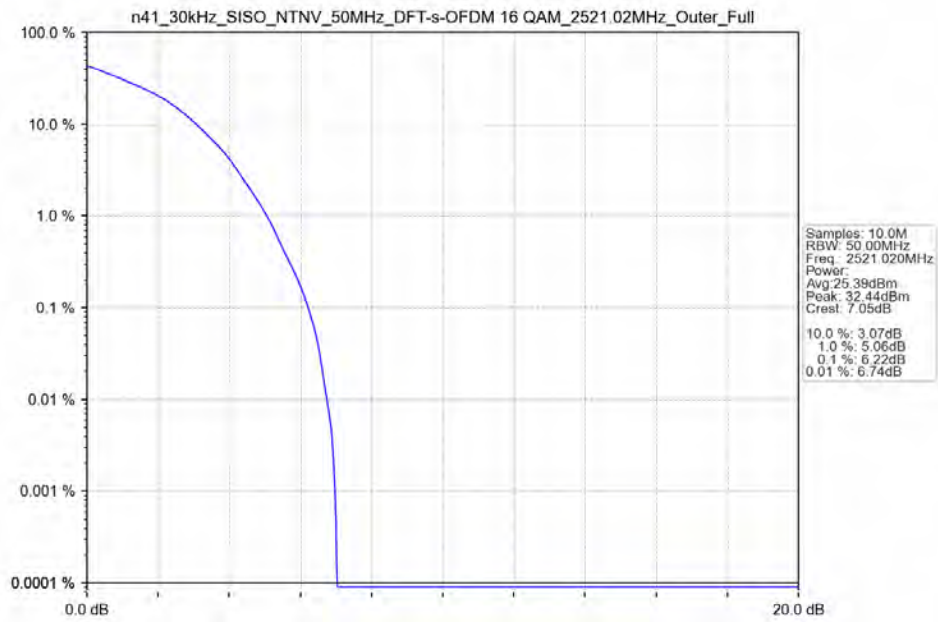
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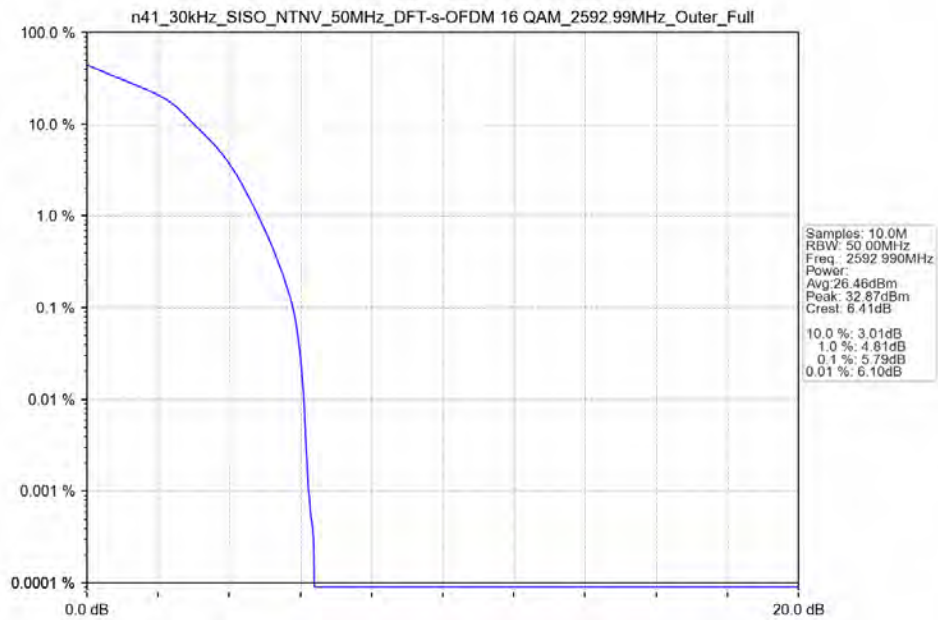
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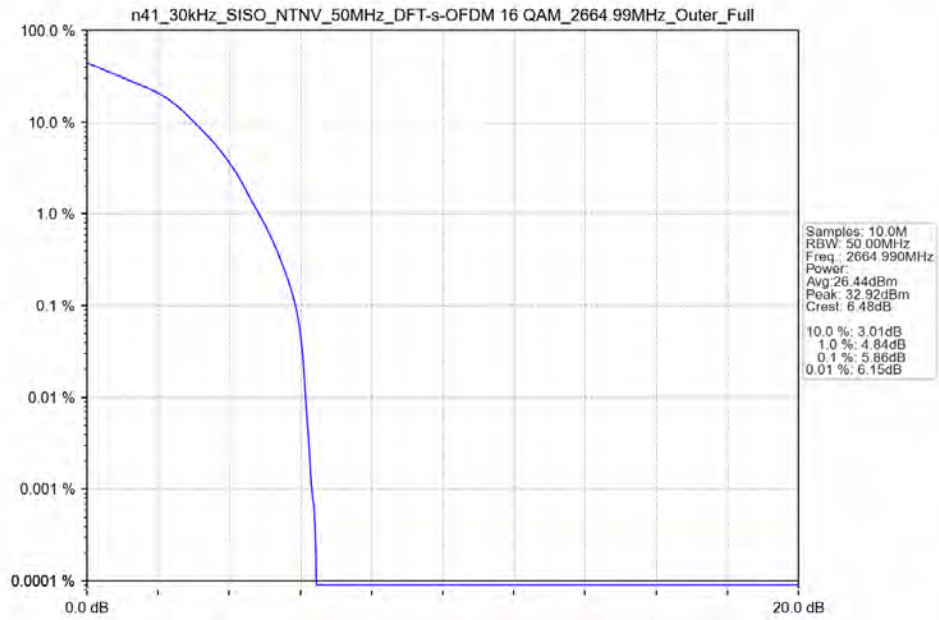
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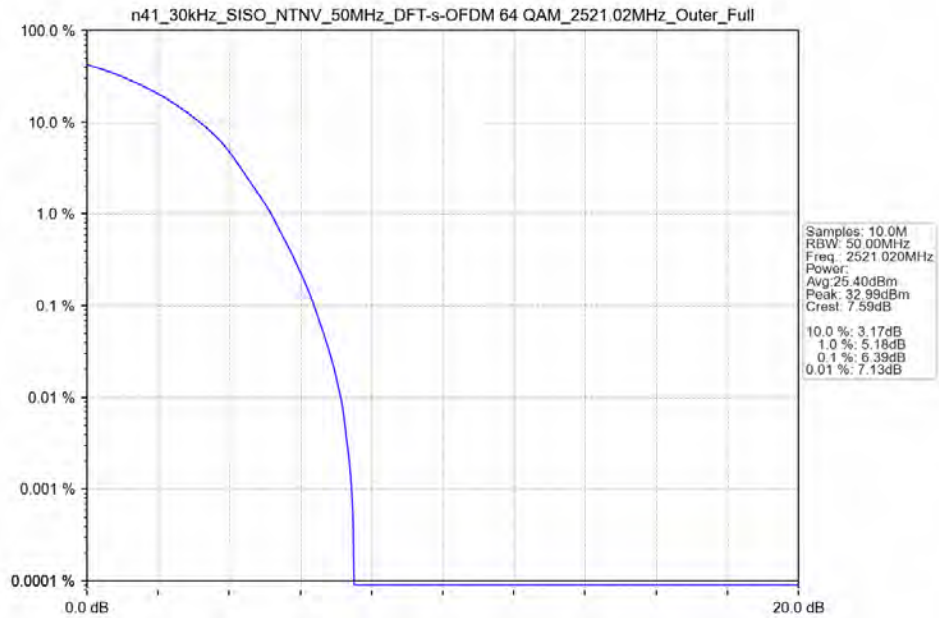
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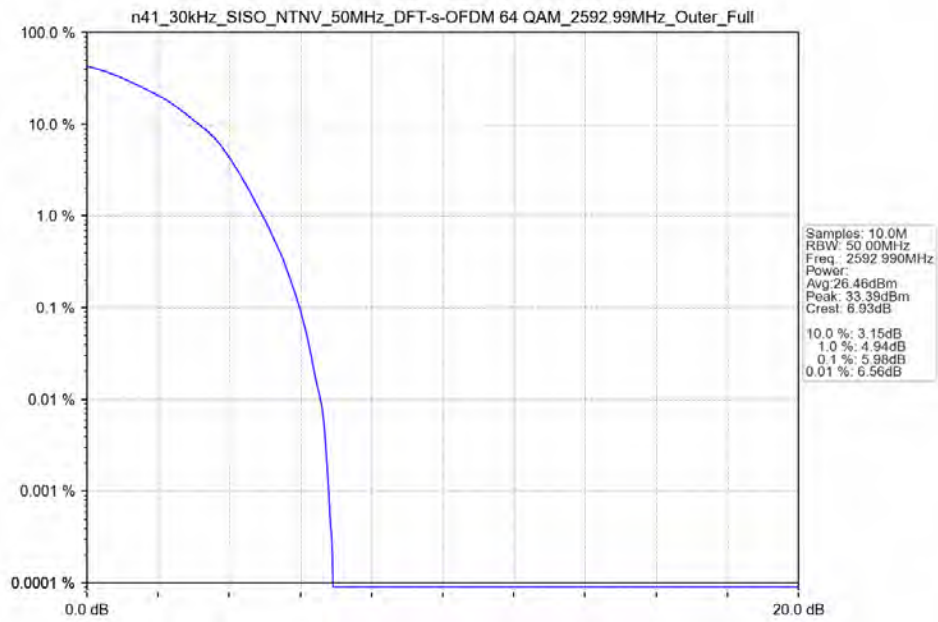
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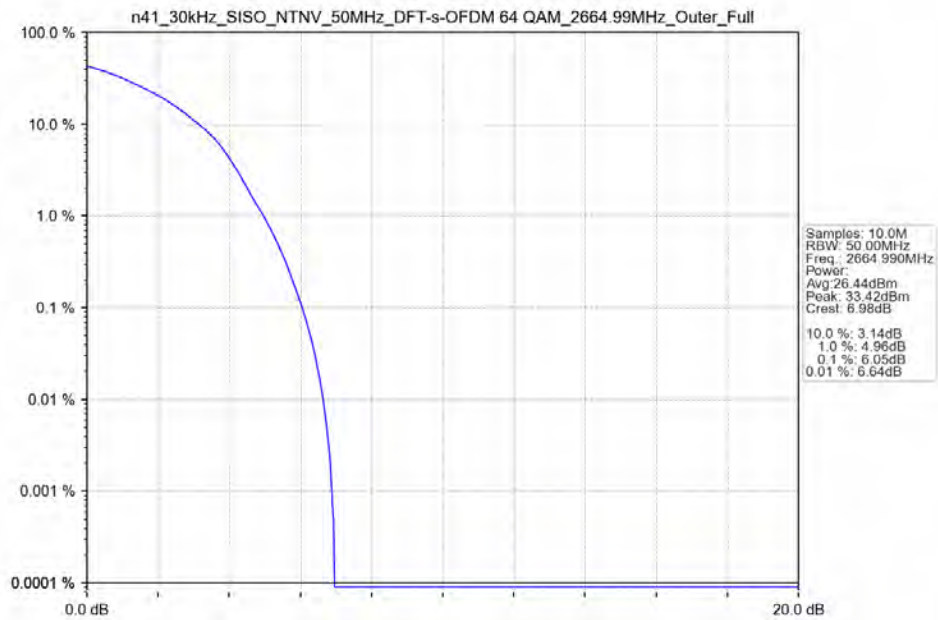
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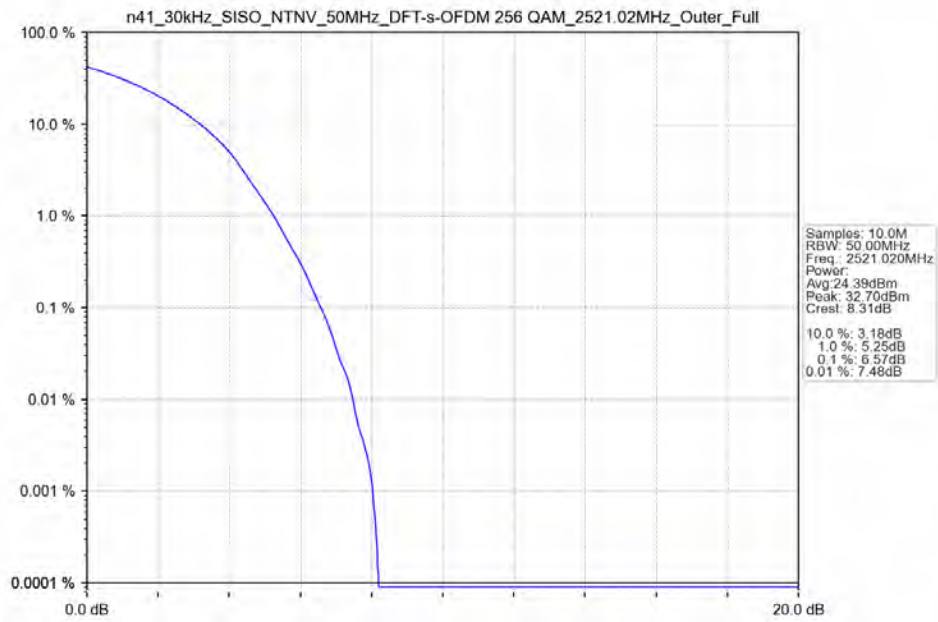
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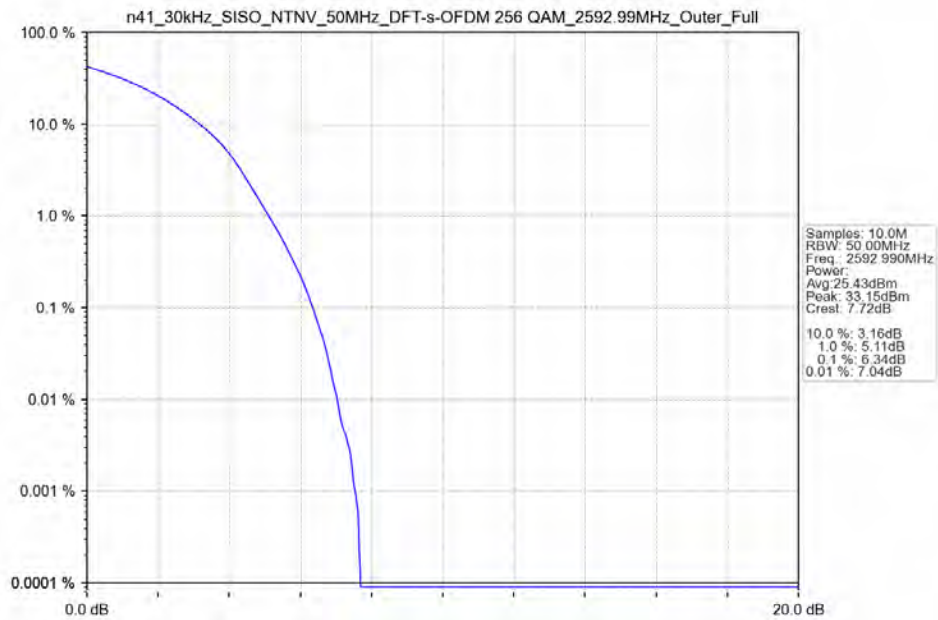
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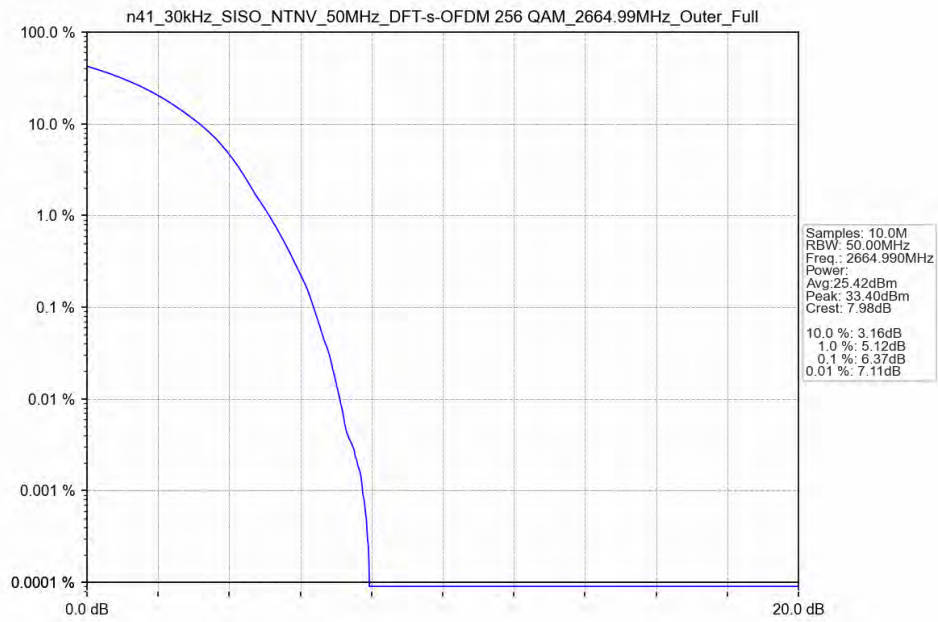
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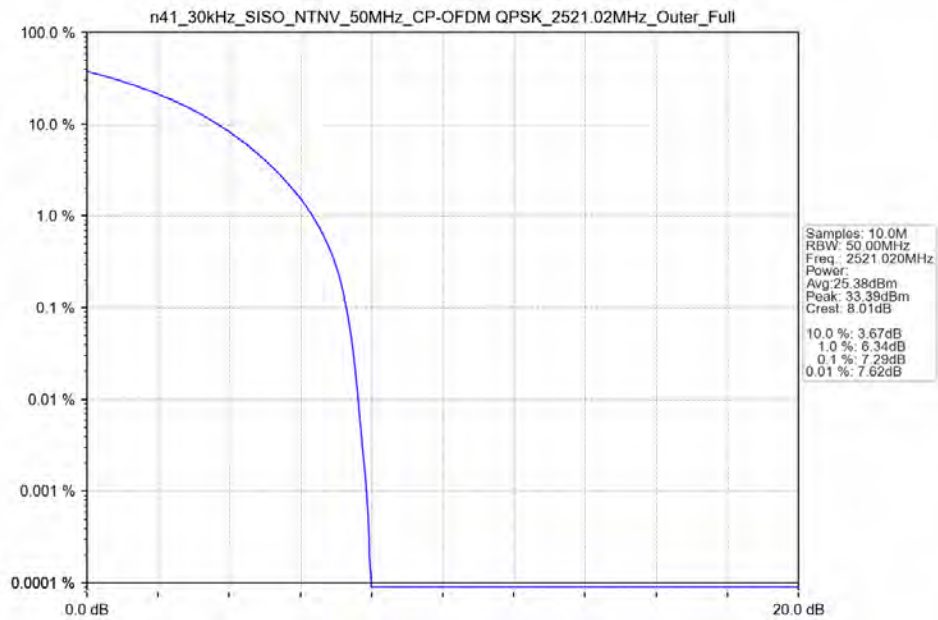
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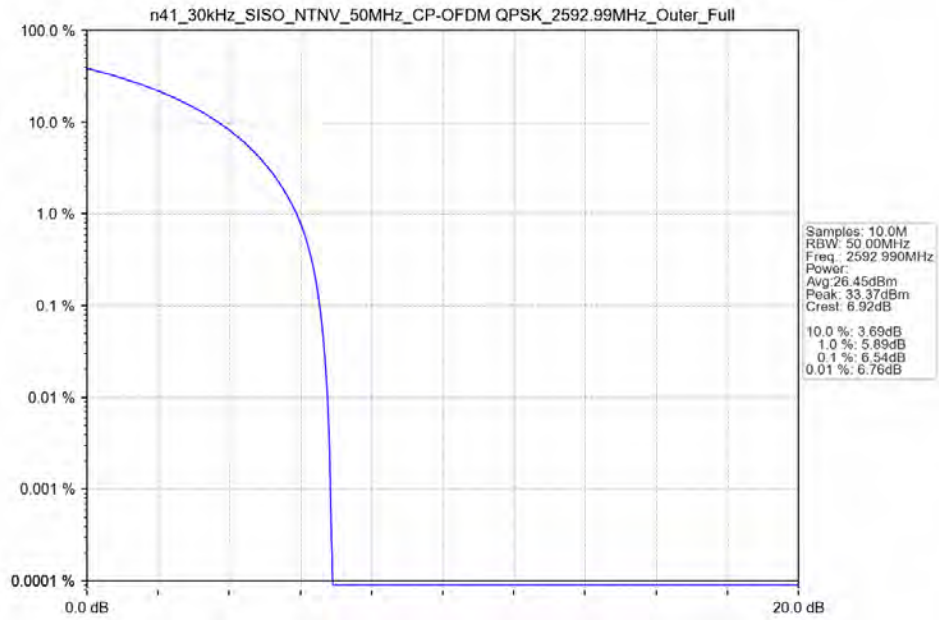
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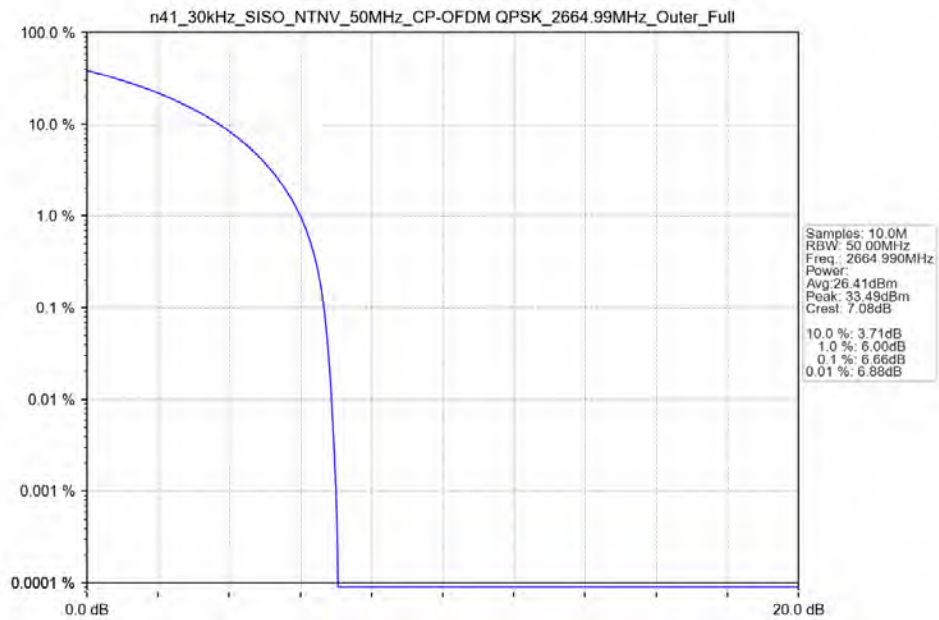
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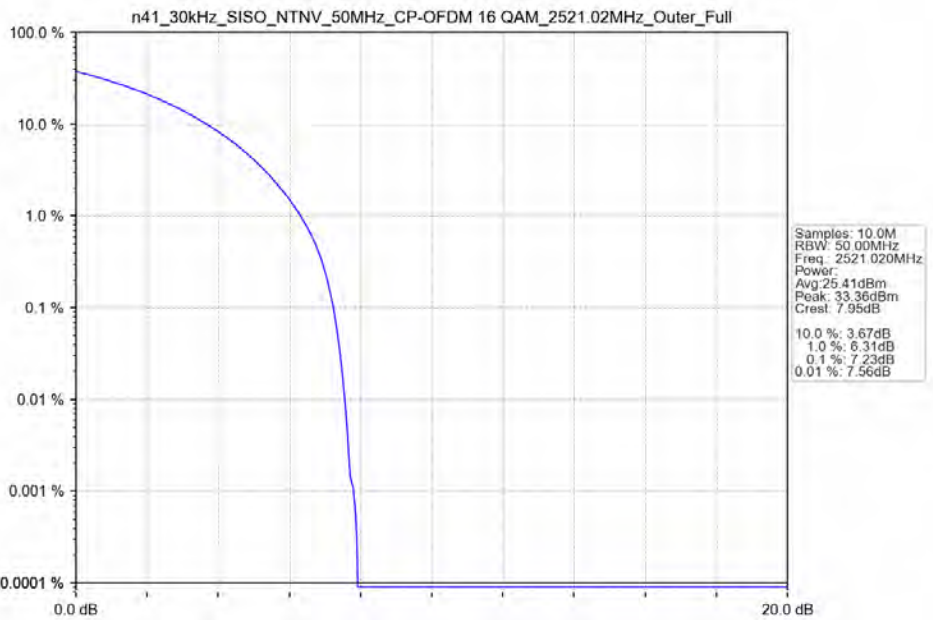
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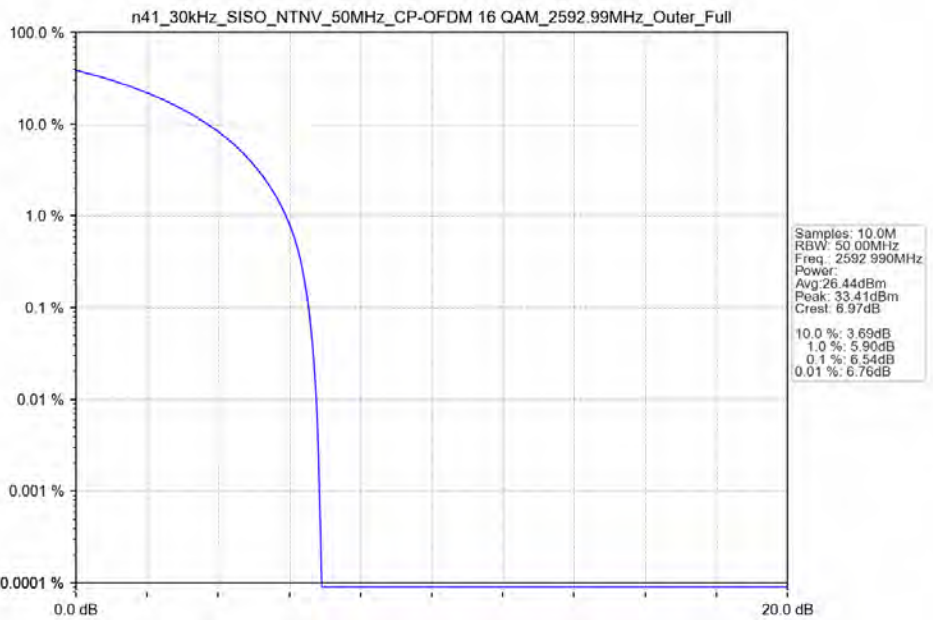
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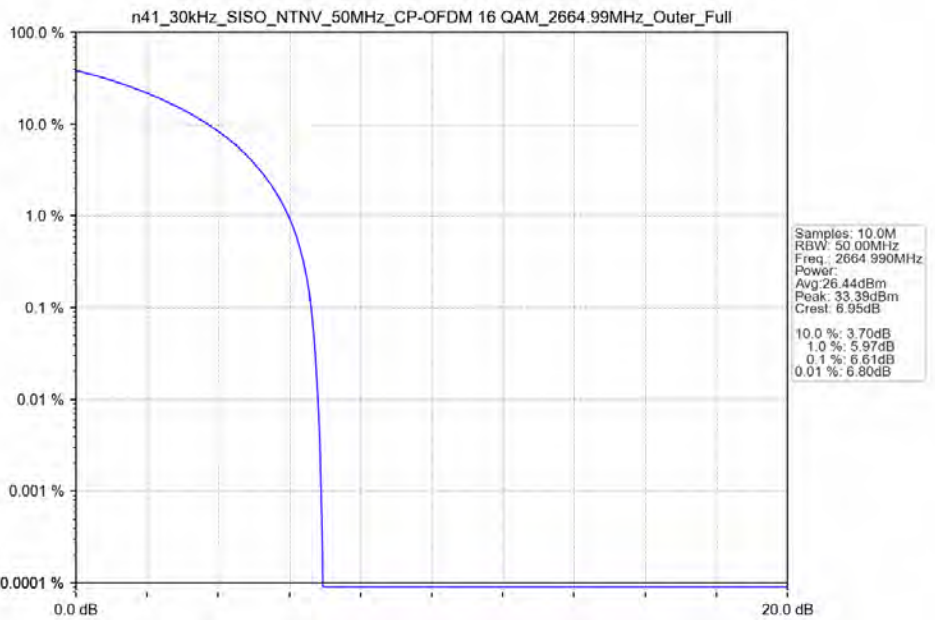
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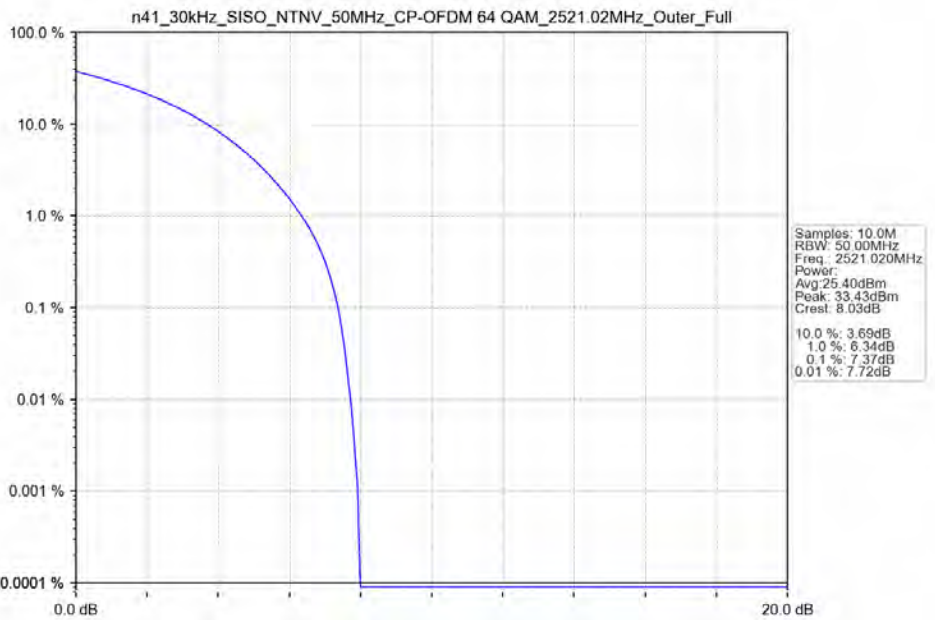
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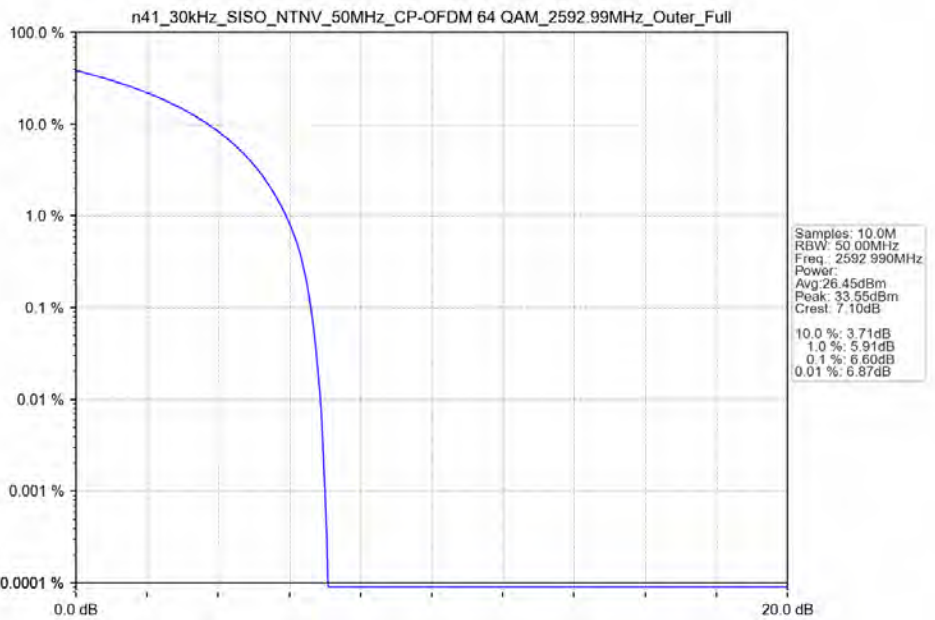
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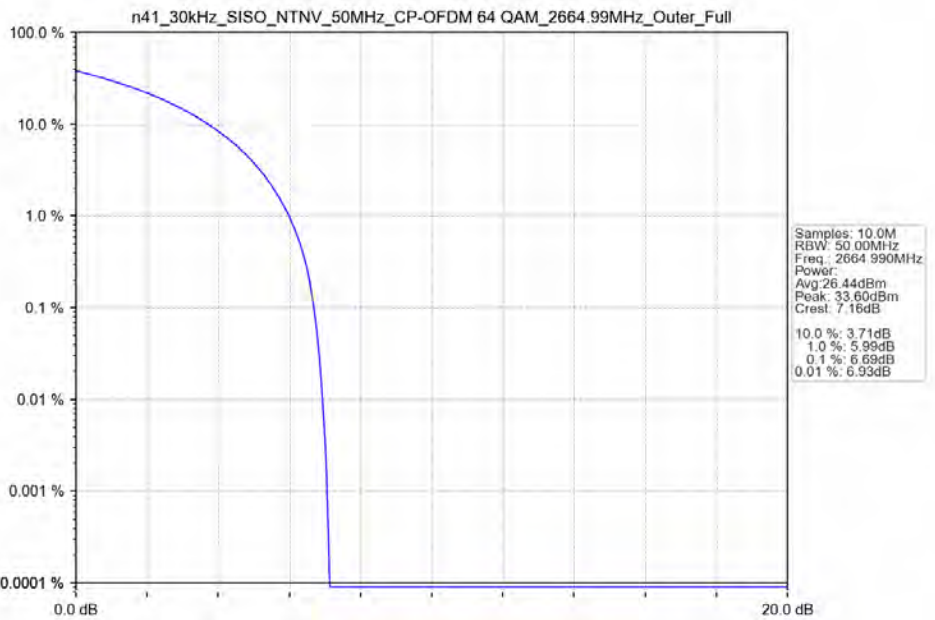
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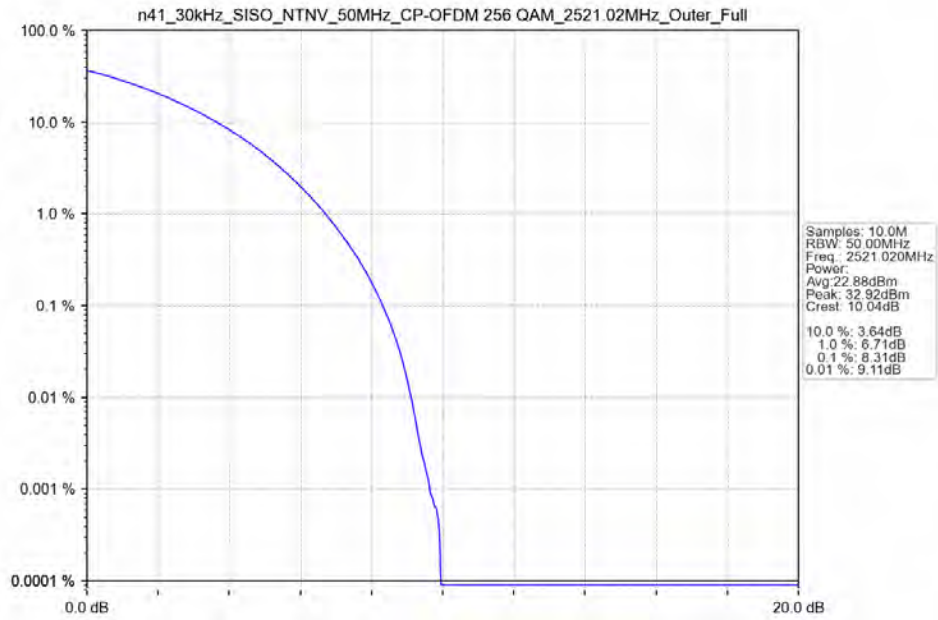
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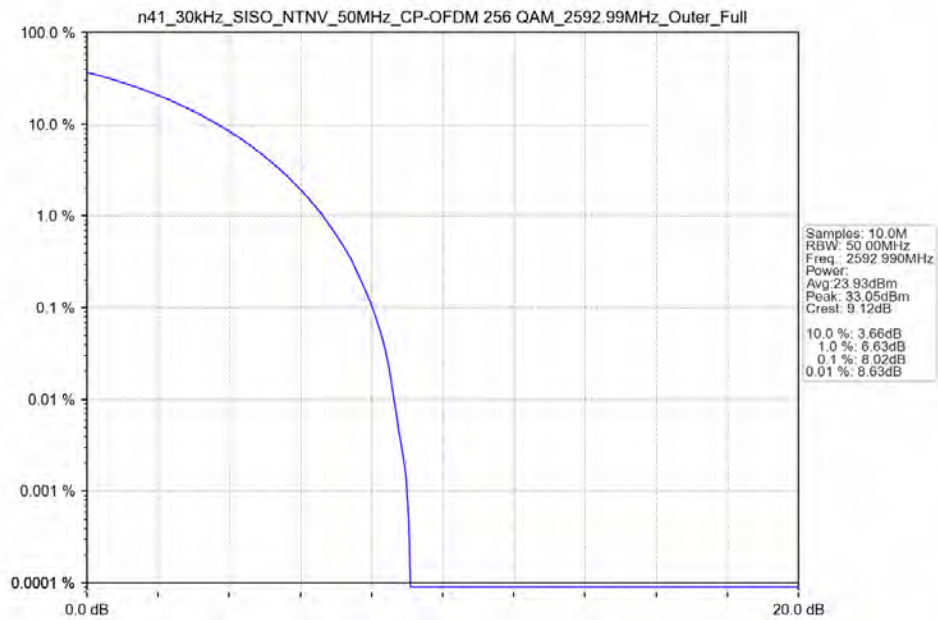
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n41_30kHz_SISO_NTNV_50MHz_CP-OFDM_256_QAM_2521.02MHz_Outer_Full_Ant41



n41_30kHz_SISO_NTNV_50MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full_Ant41



n41_30kHz_SISO_NTNV_50MHz_CP-OFDM_256_QAM_2664.99MHz_Outer_Full_Ant41

