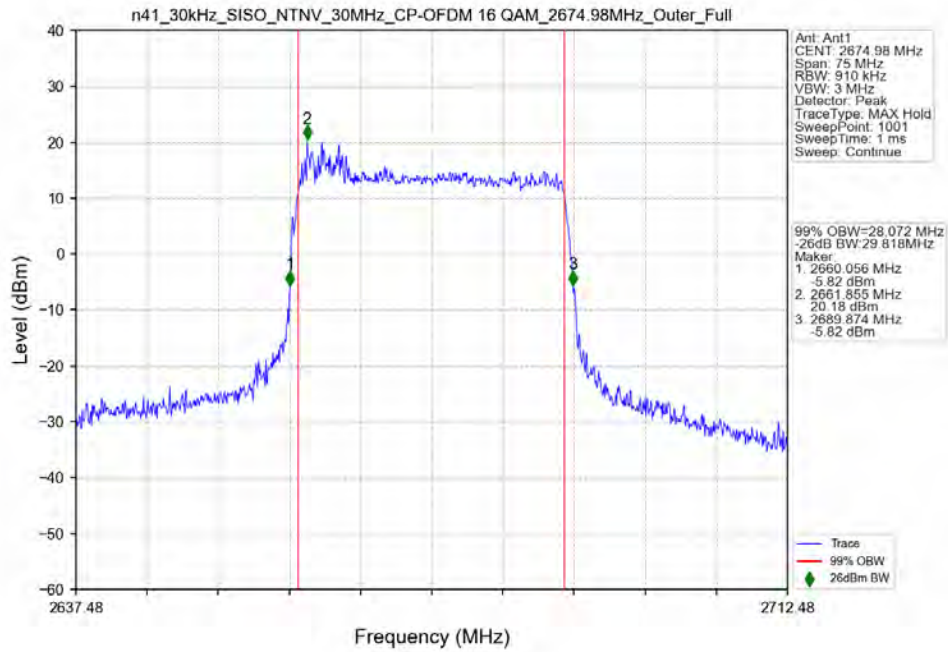
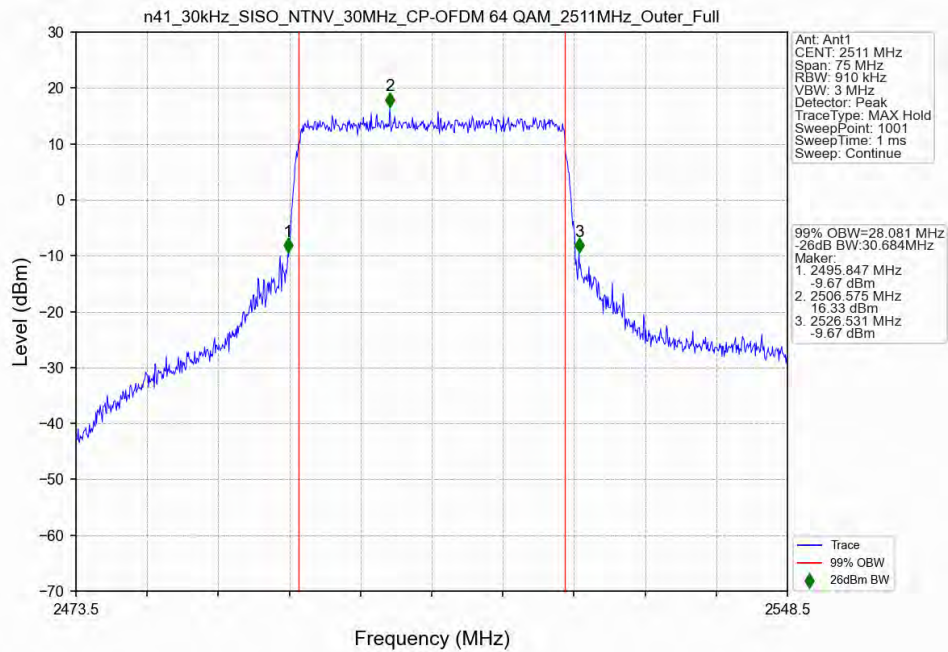


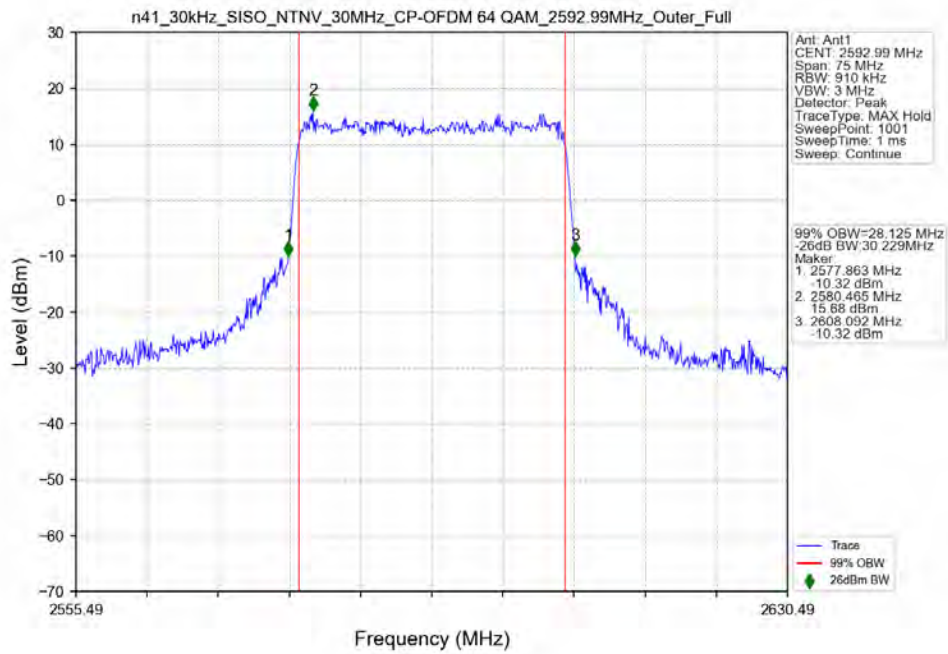
n41_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM 2674.98MHz_Outer_Full



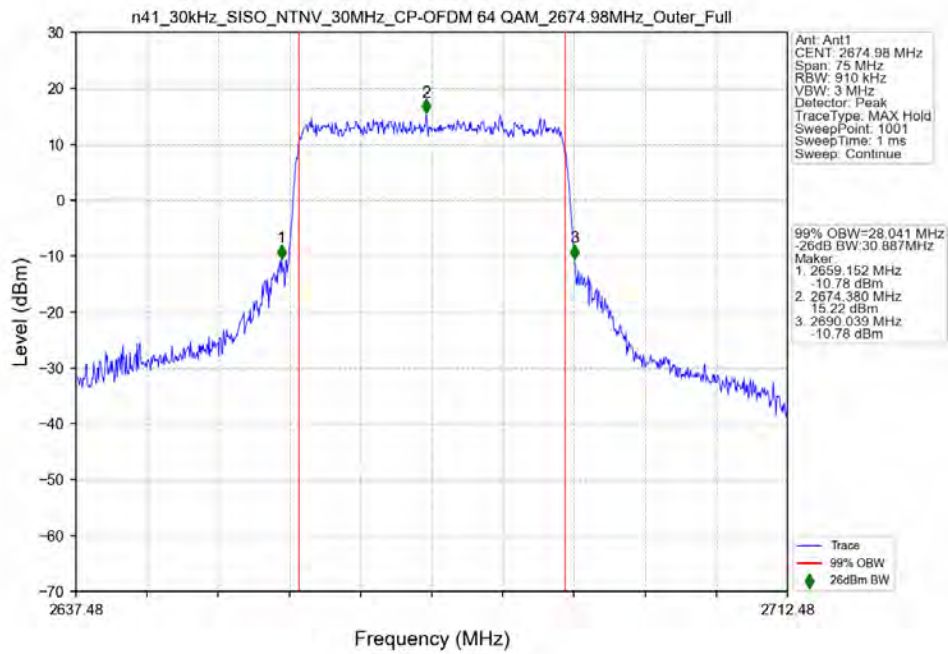
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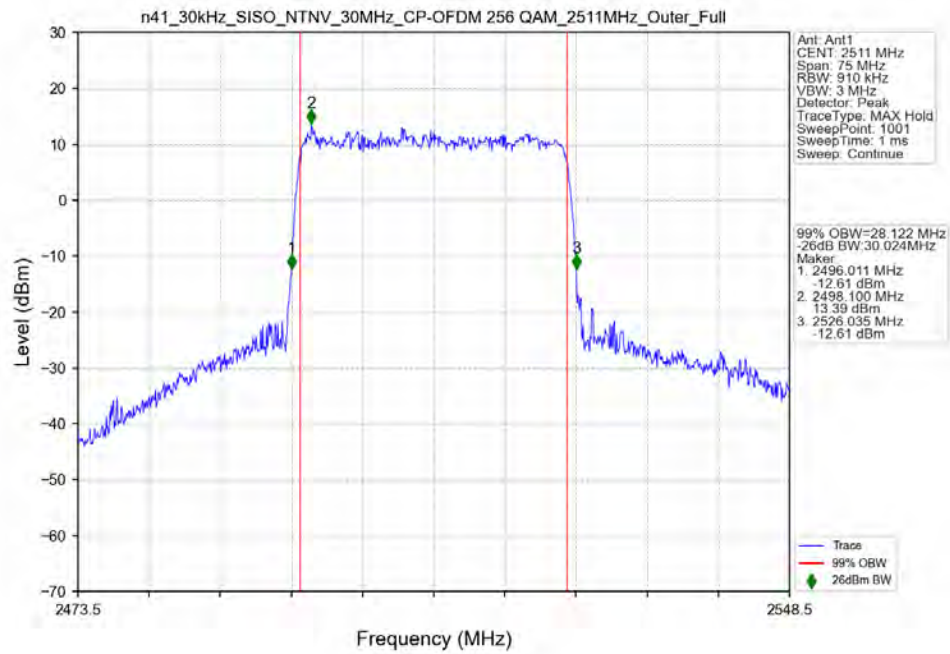
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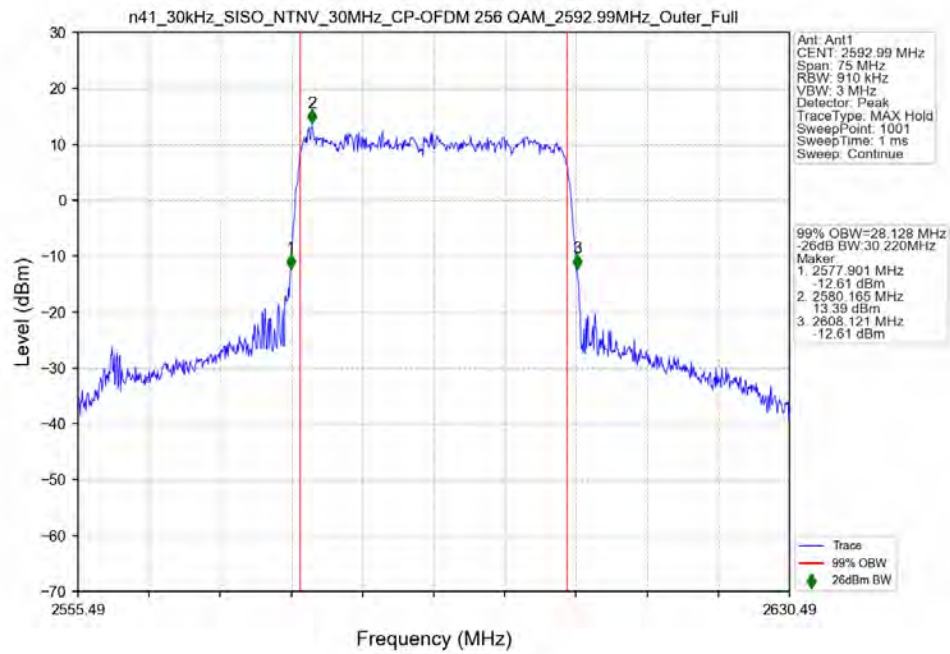
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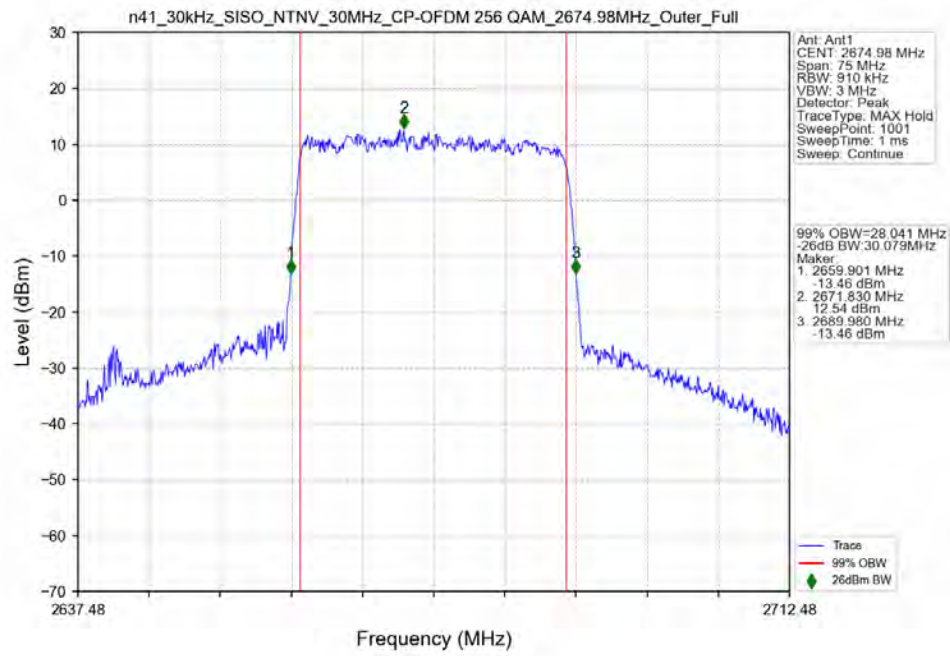
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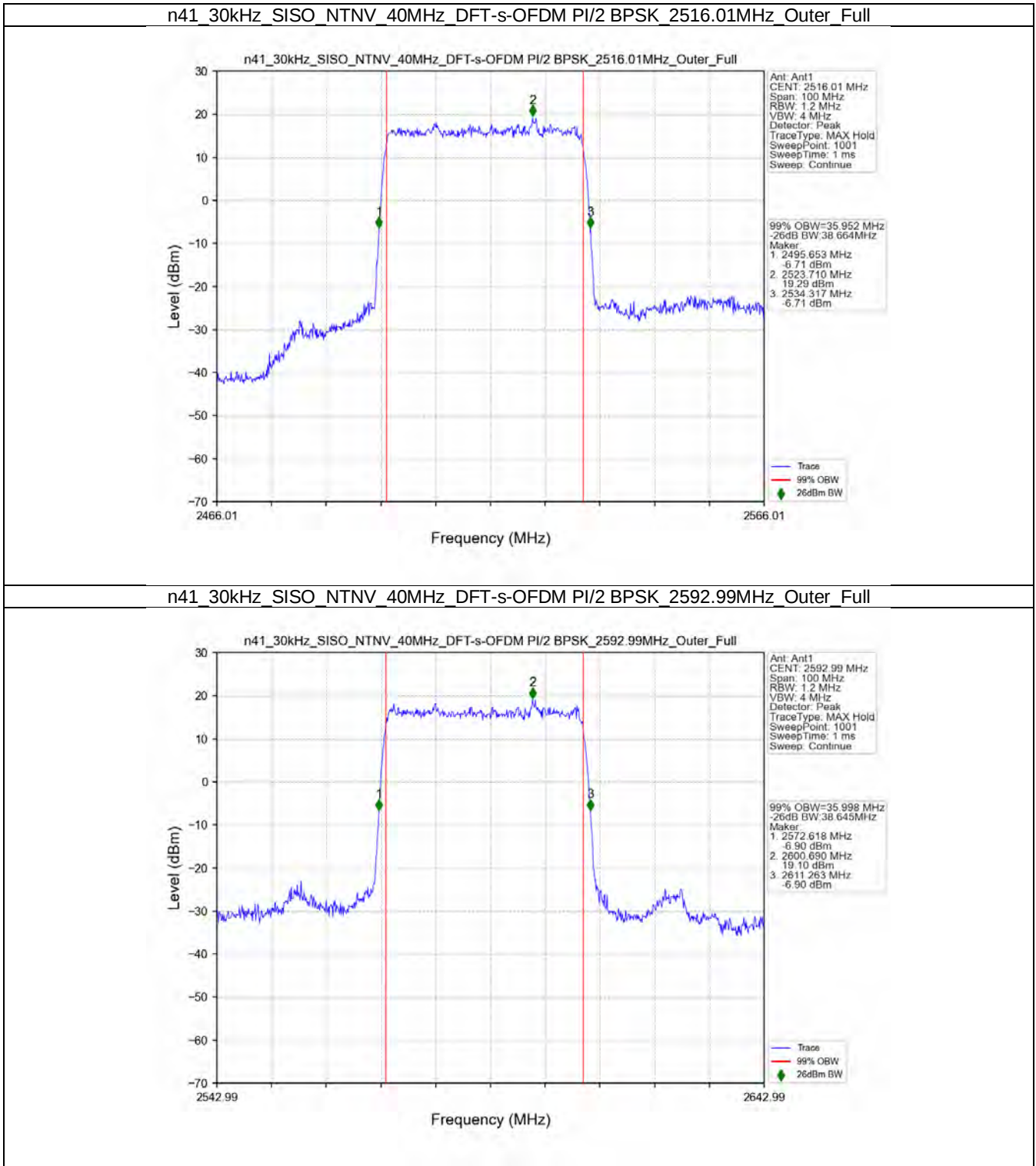
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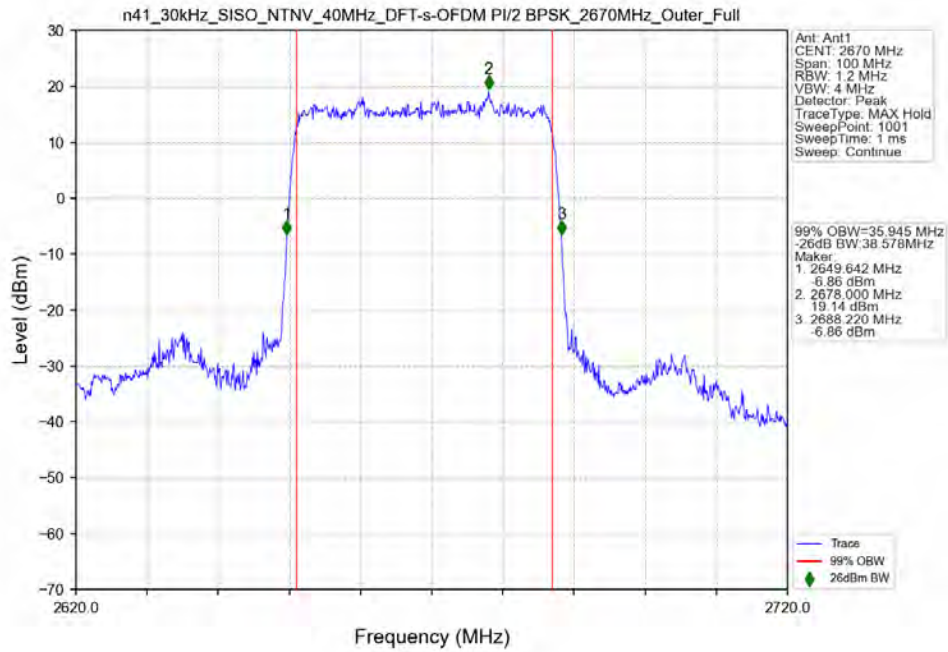
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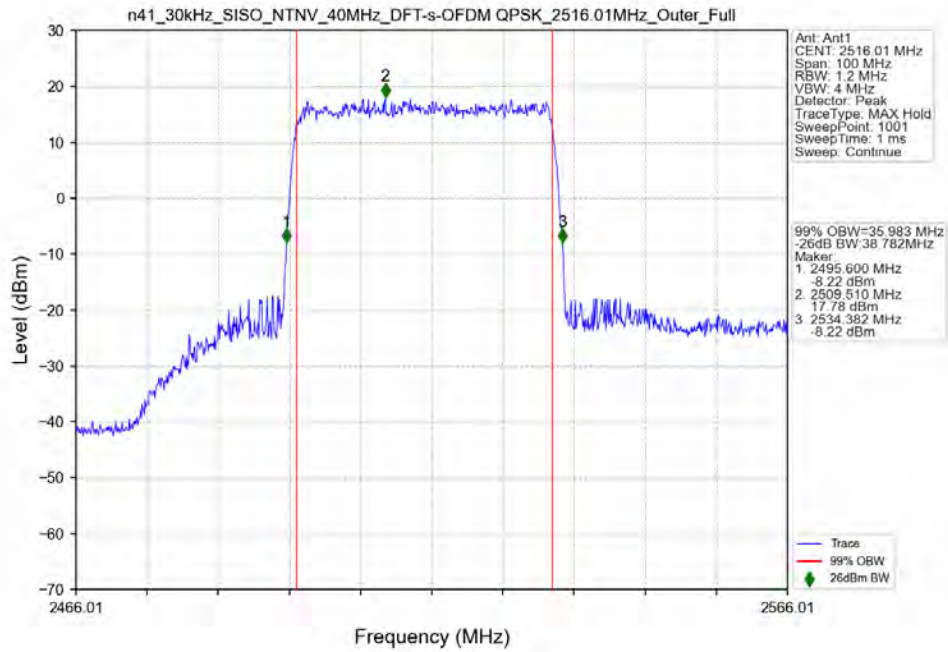
3.2.3 30k_SISO_40MHz_NTNV



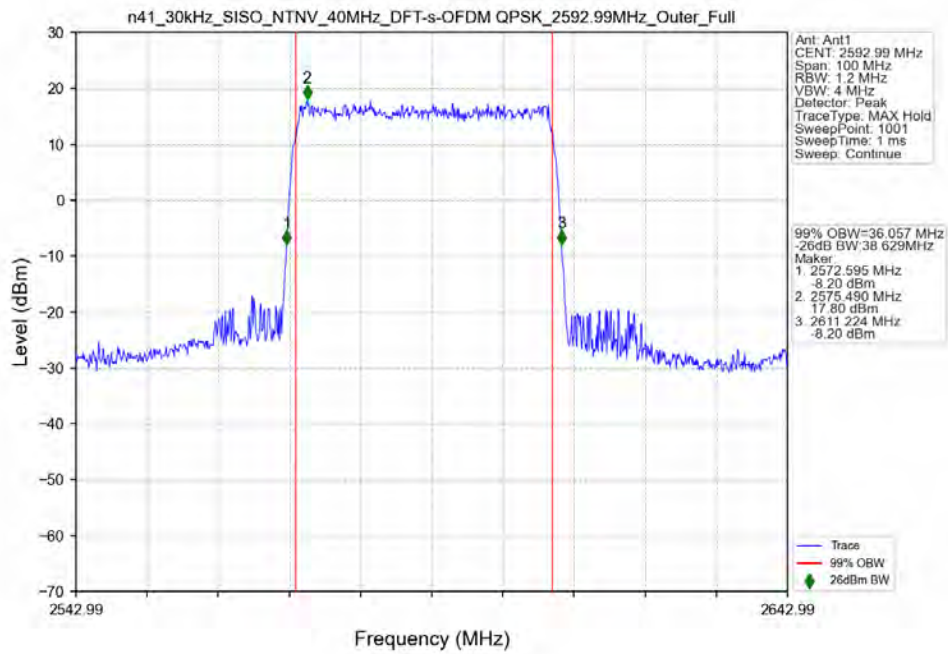
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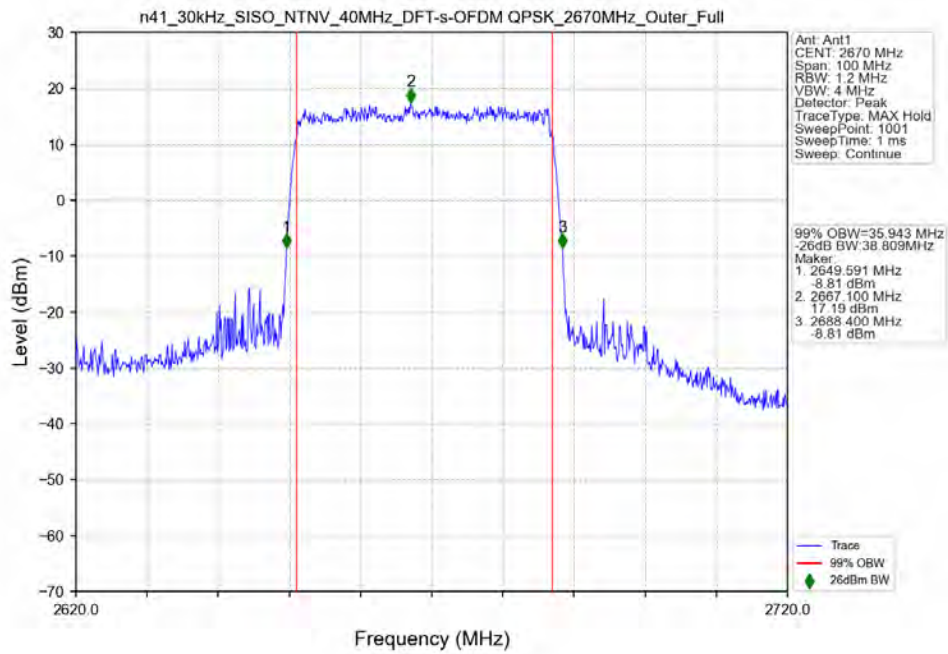
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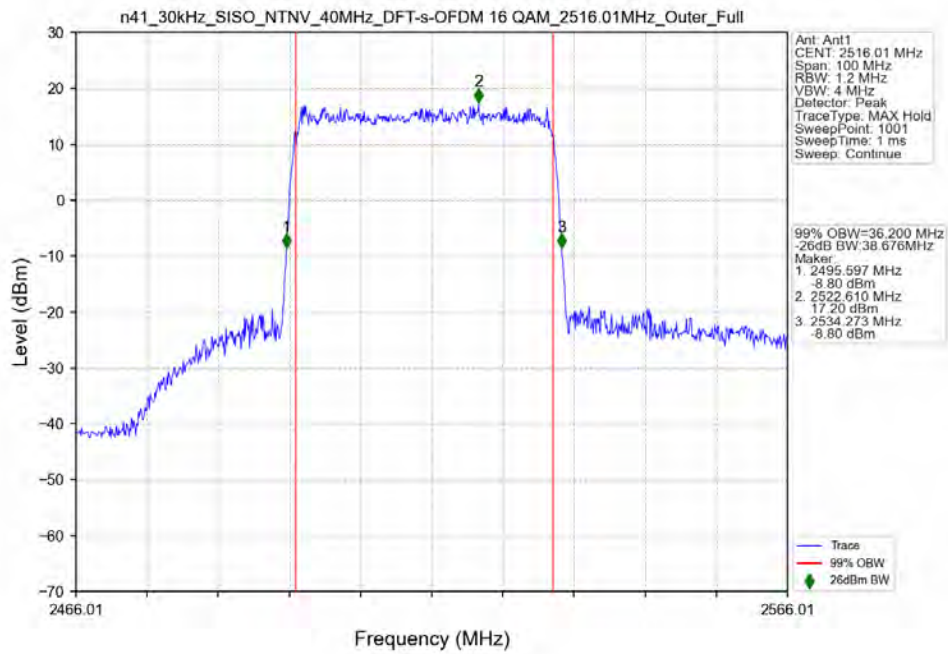
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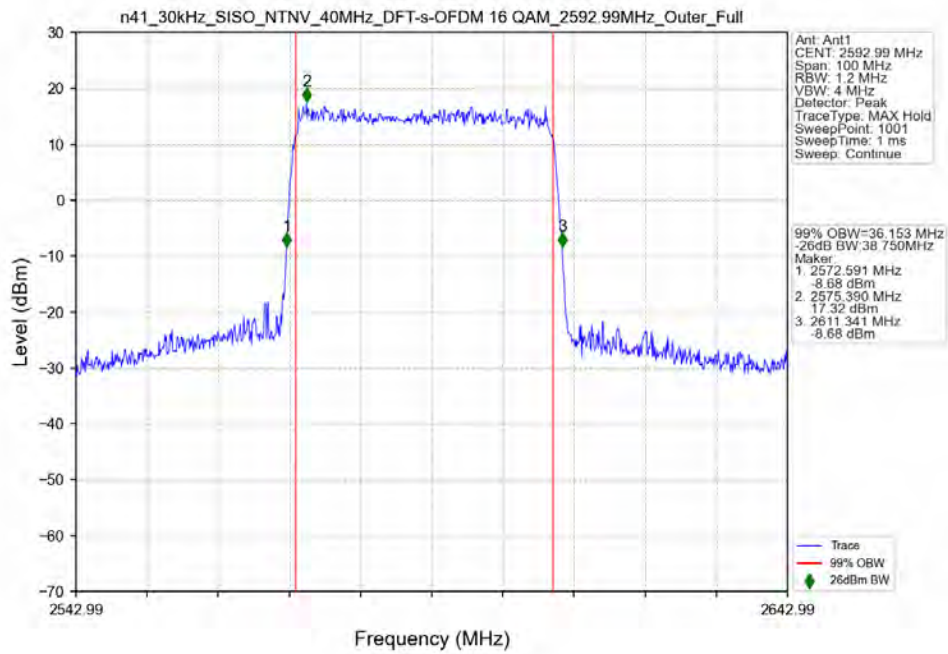
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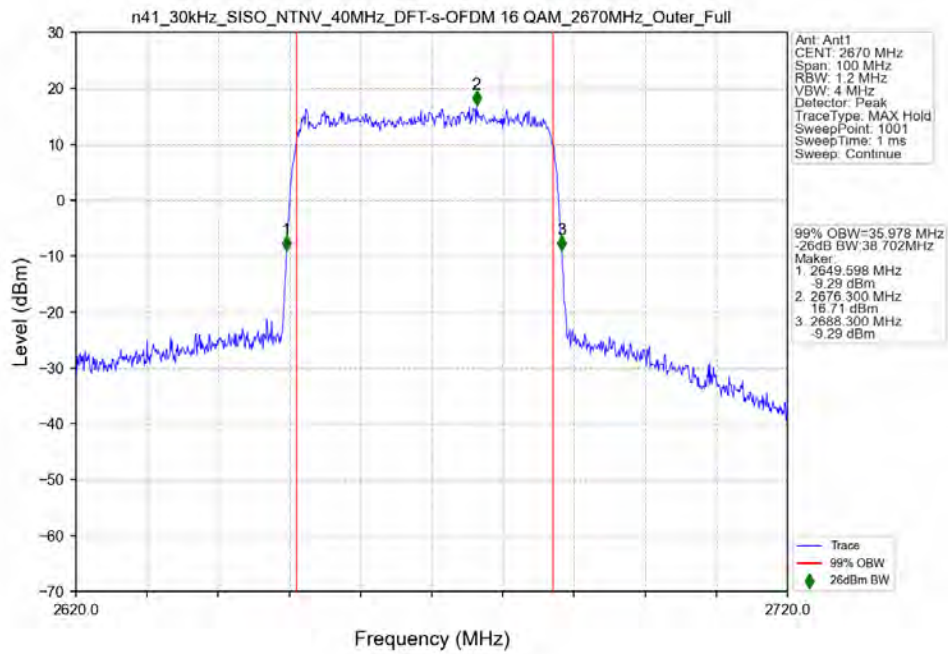
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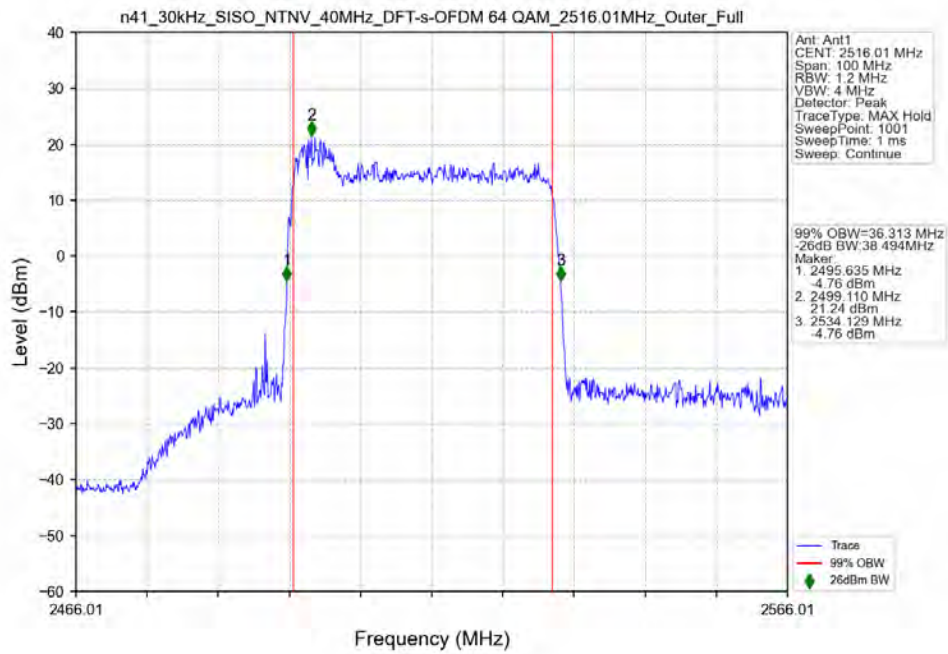
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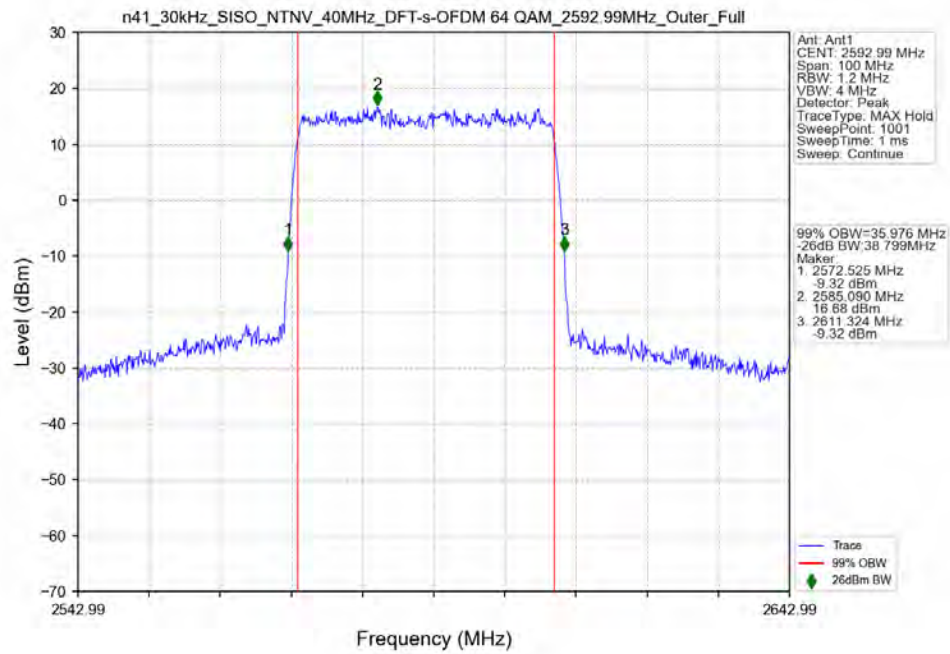
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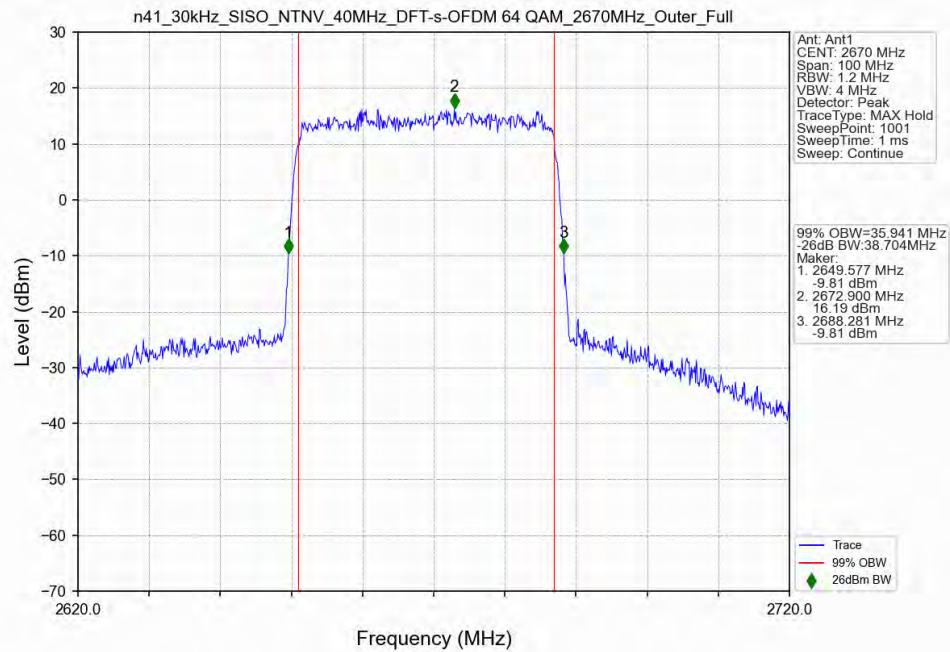
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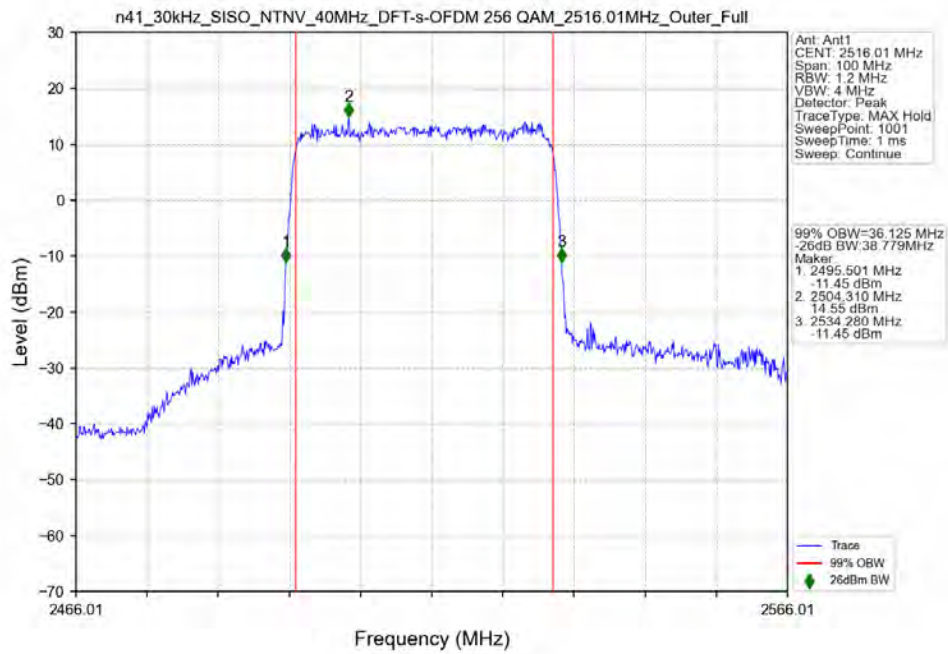
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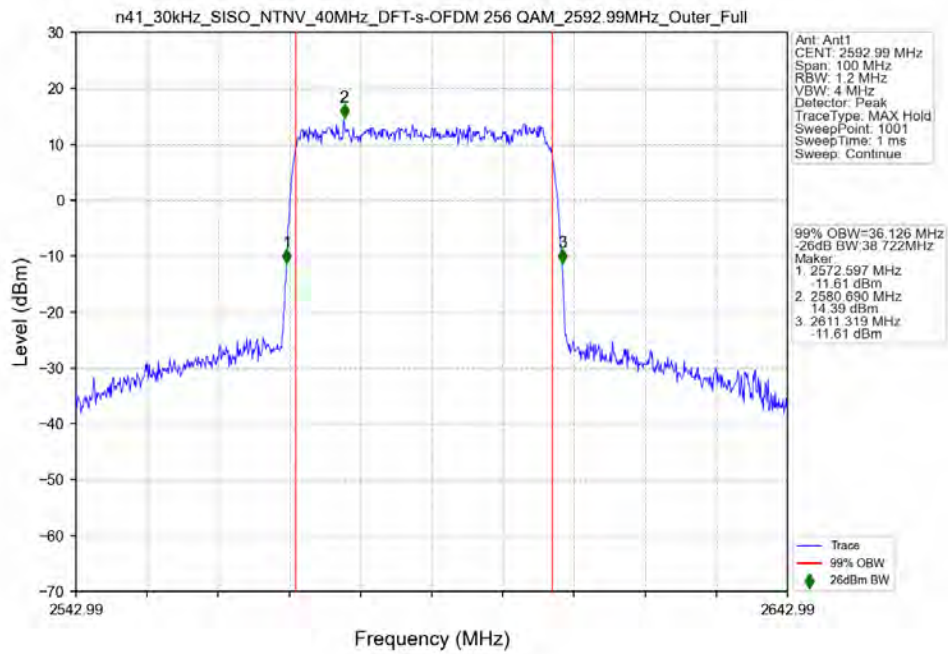
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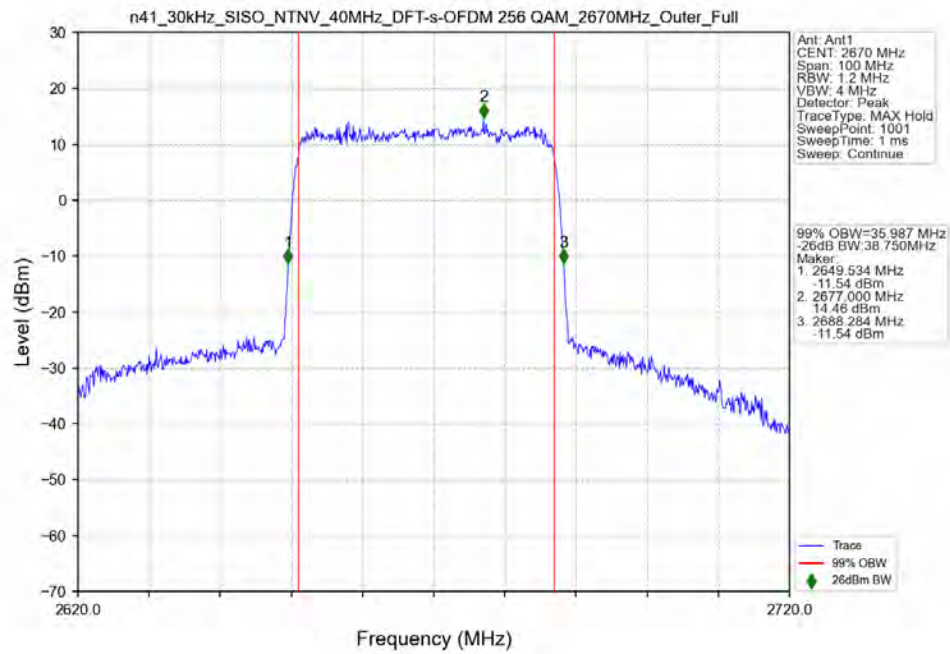
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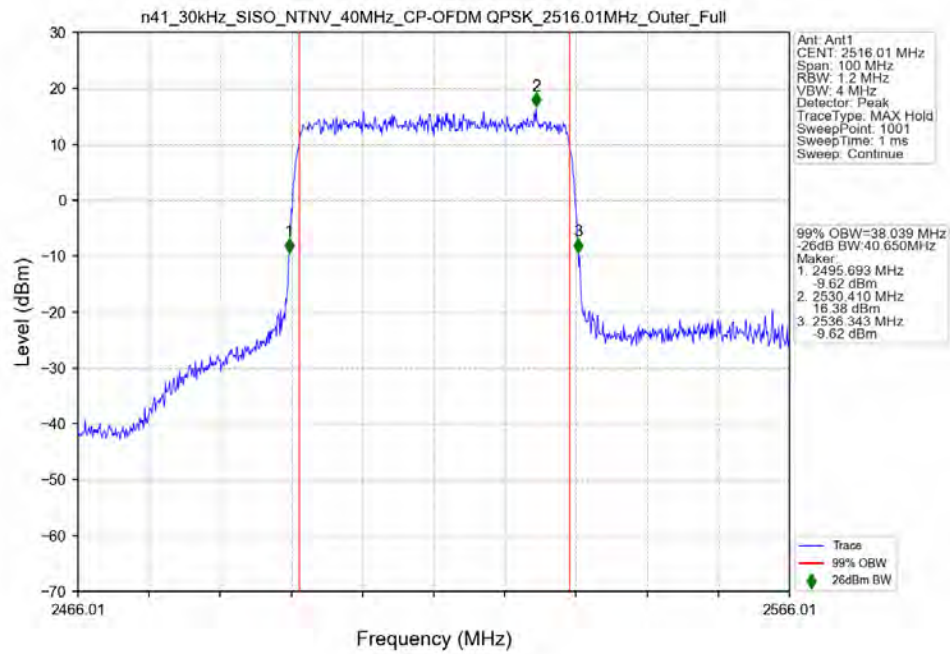
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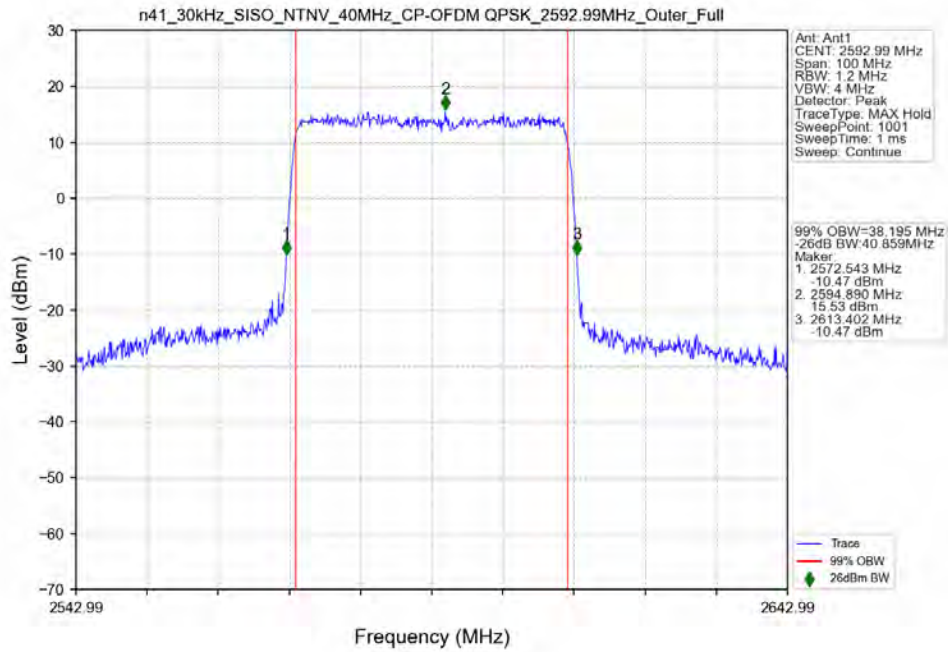
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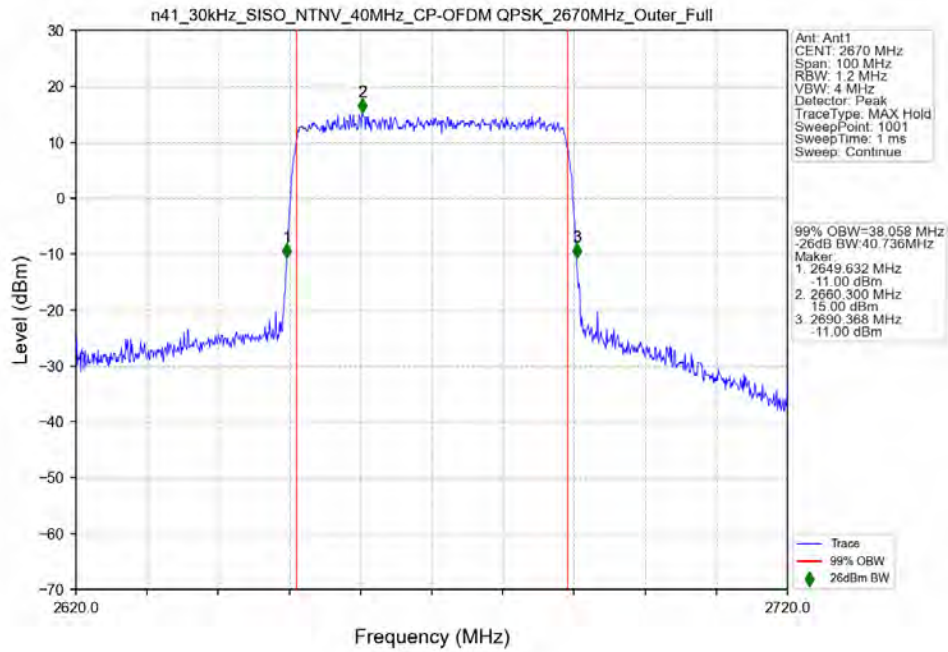
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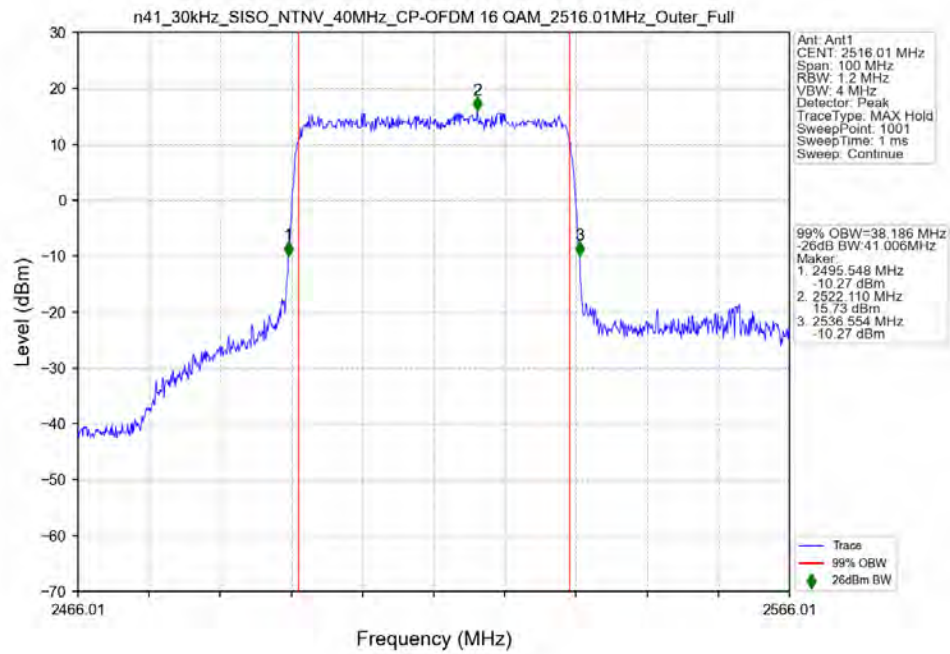
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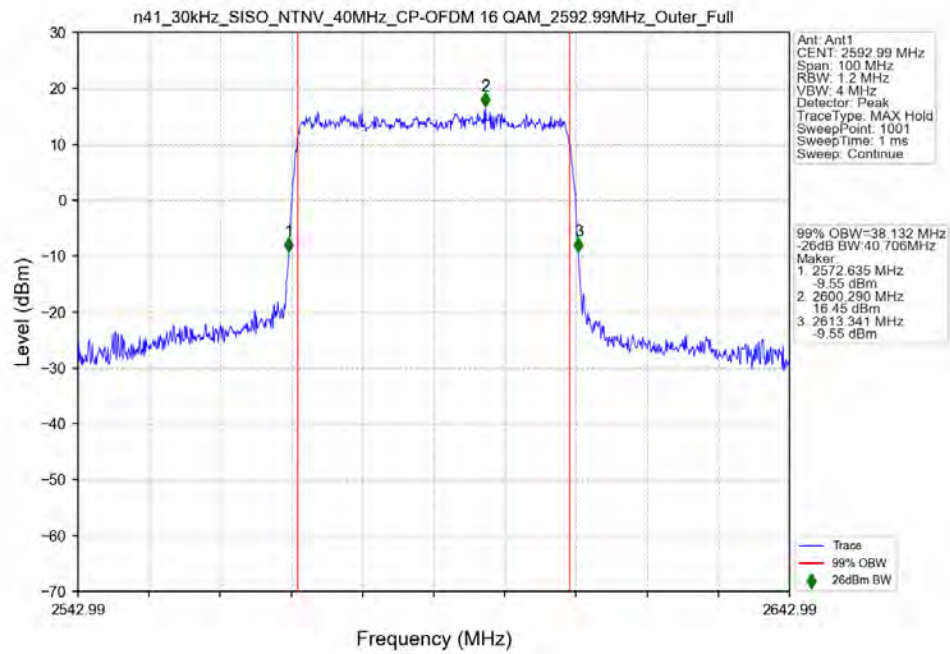
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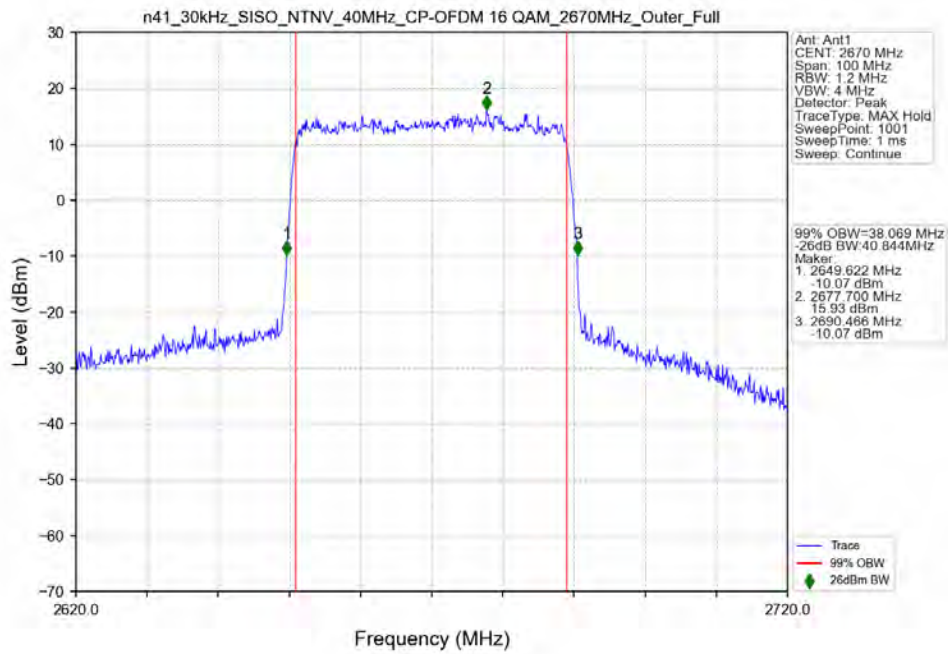
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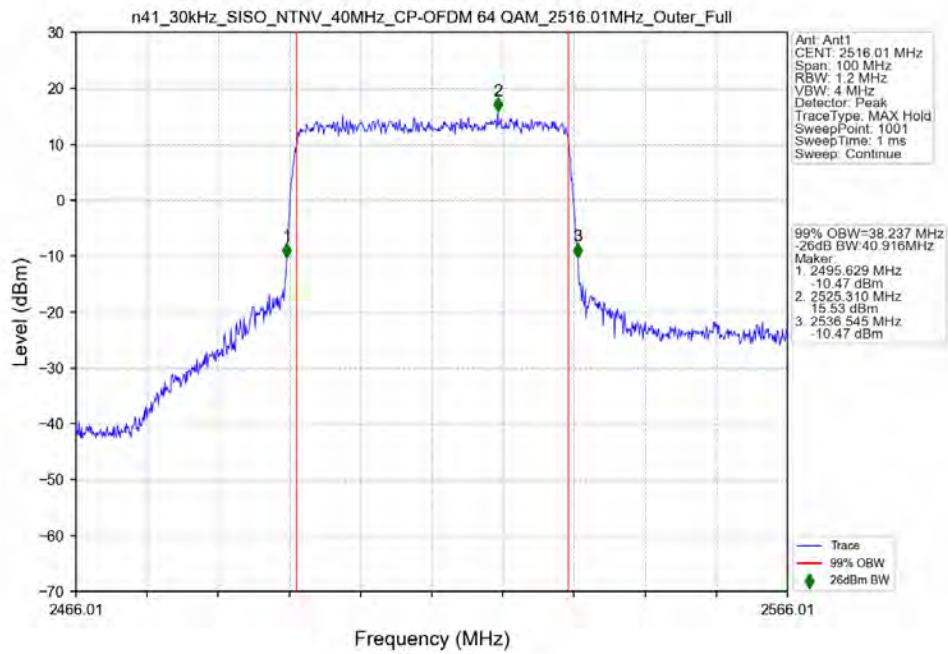
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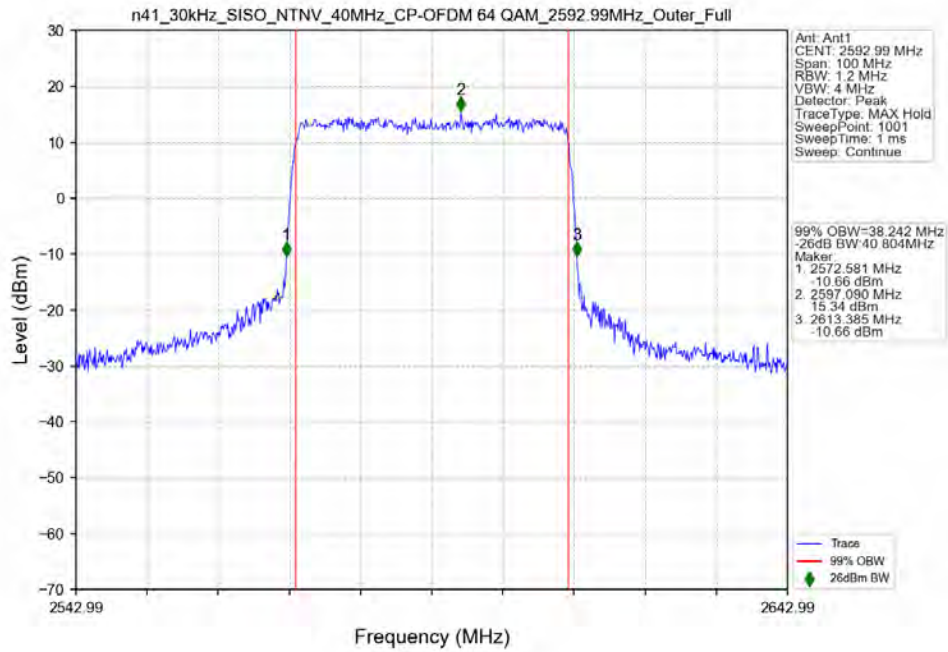
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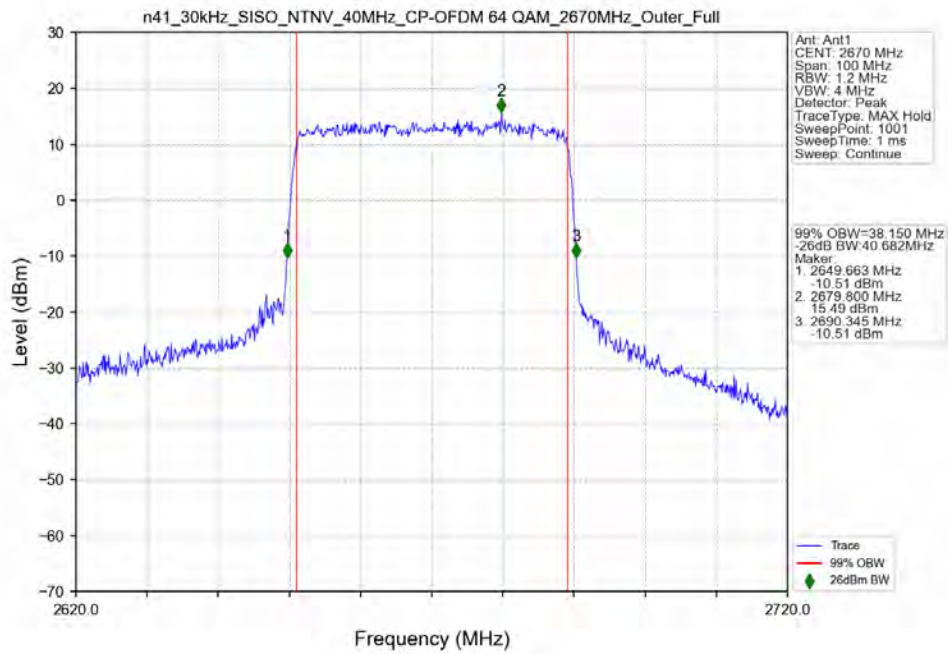
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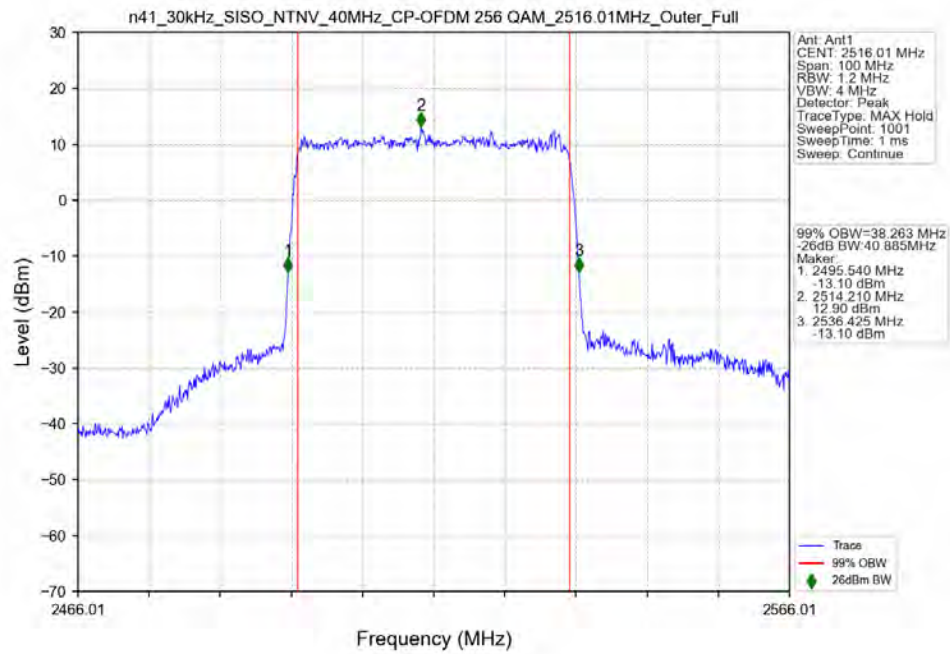
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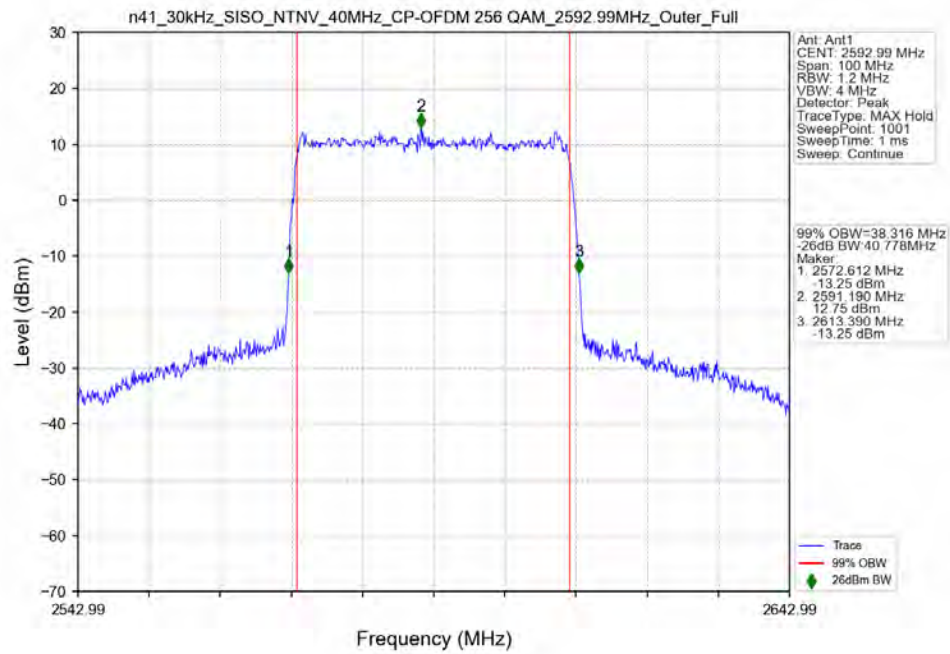
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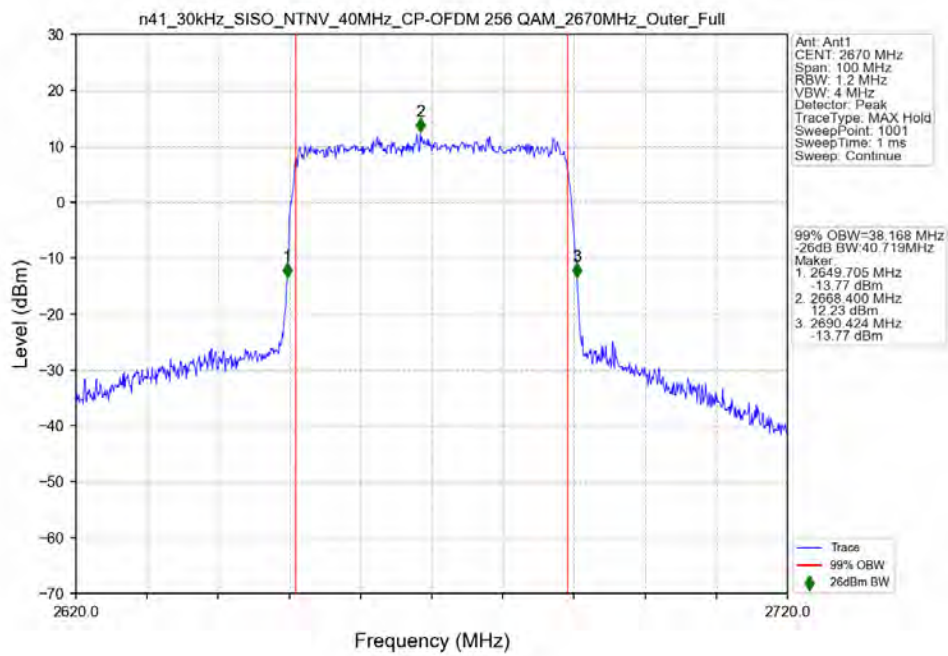
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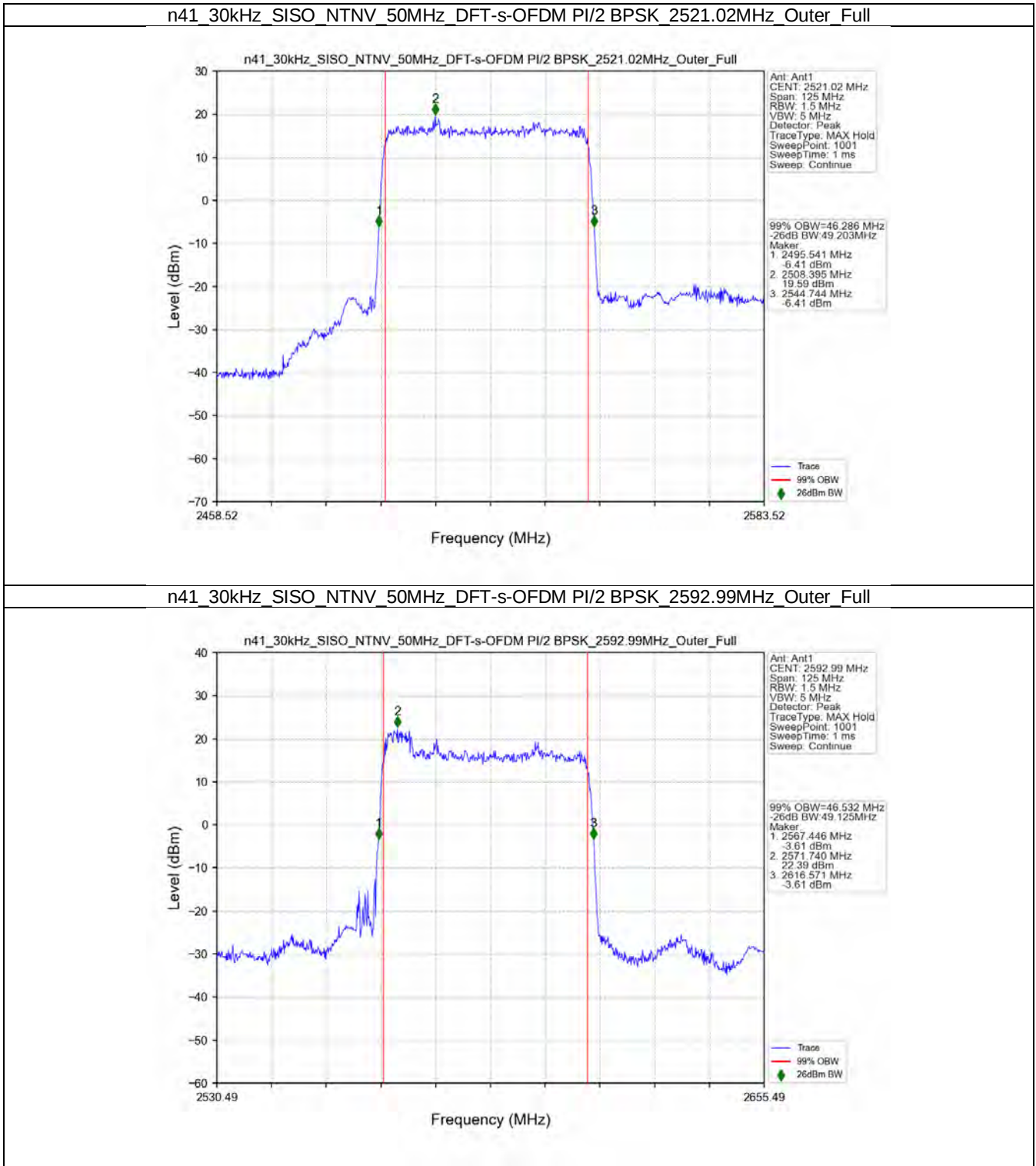
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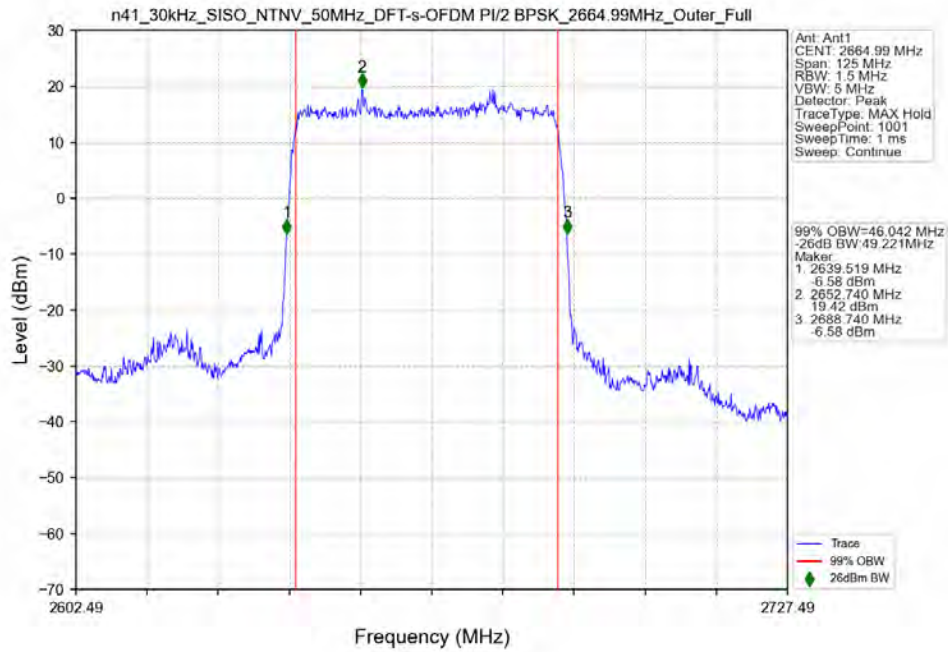
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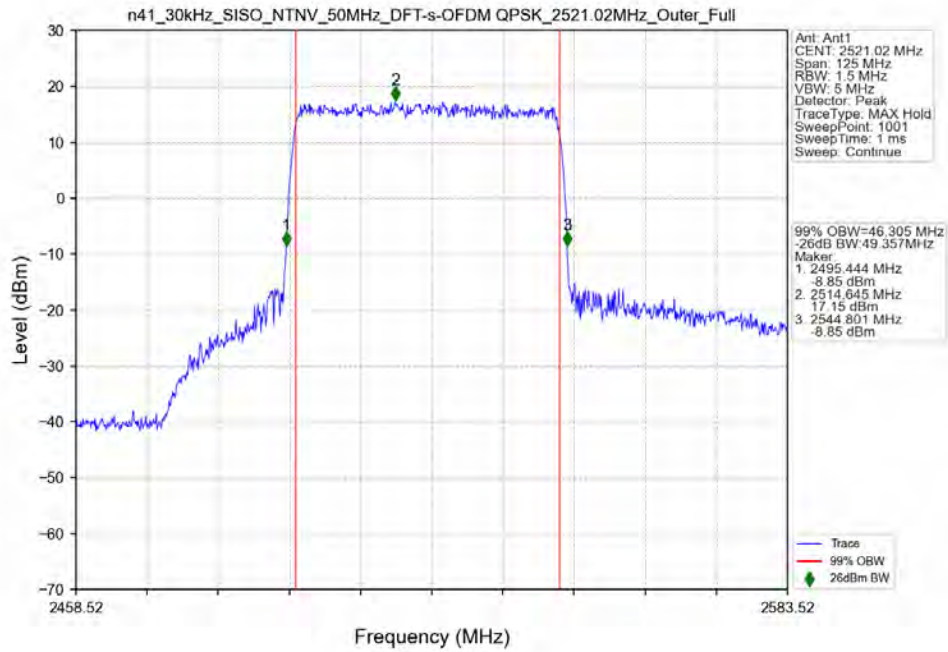
3.2.4 30k_SISO_50MHz_NTNV



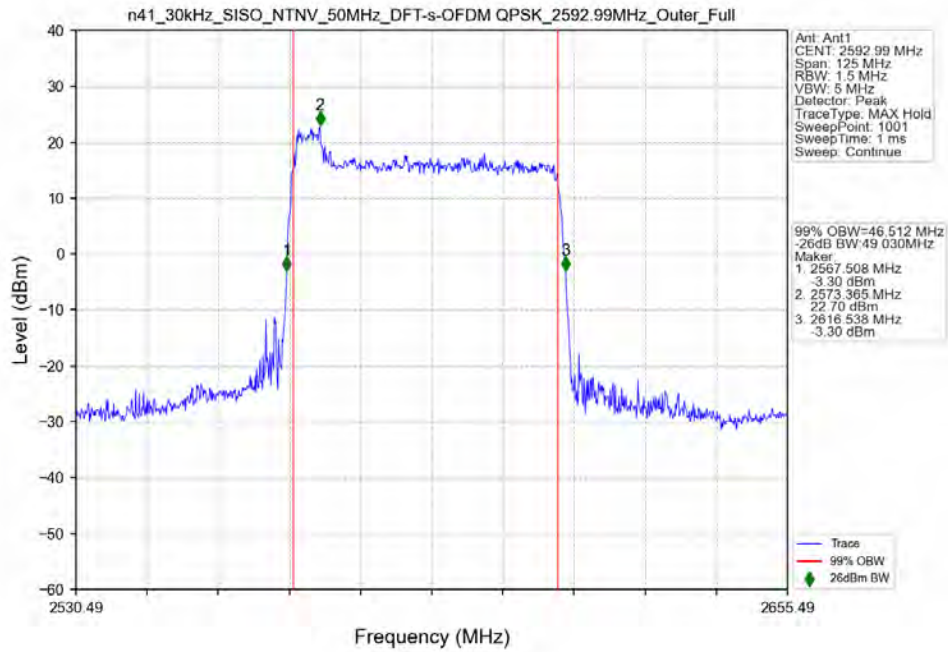
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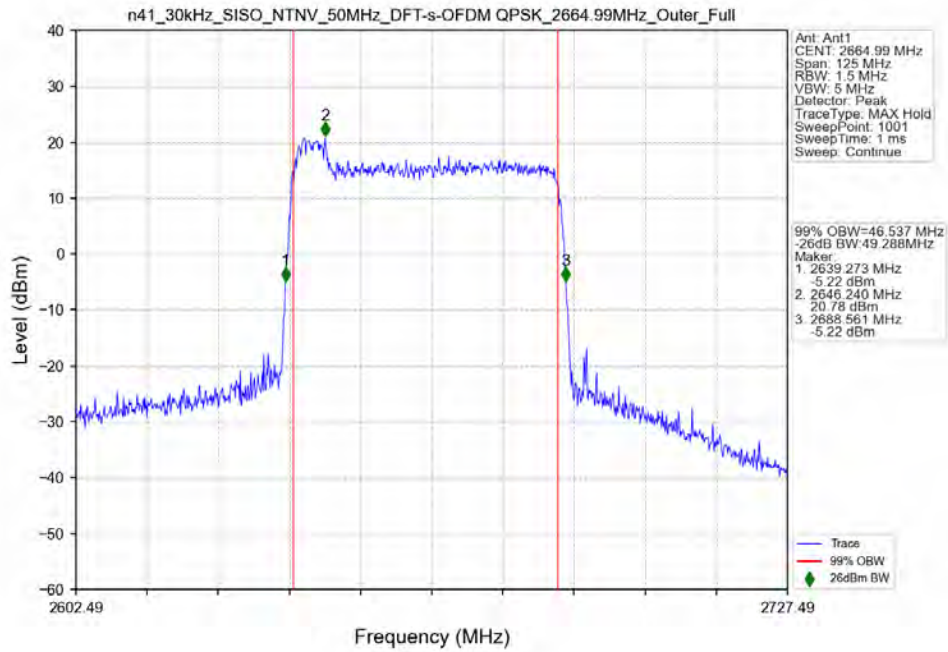
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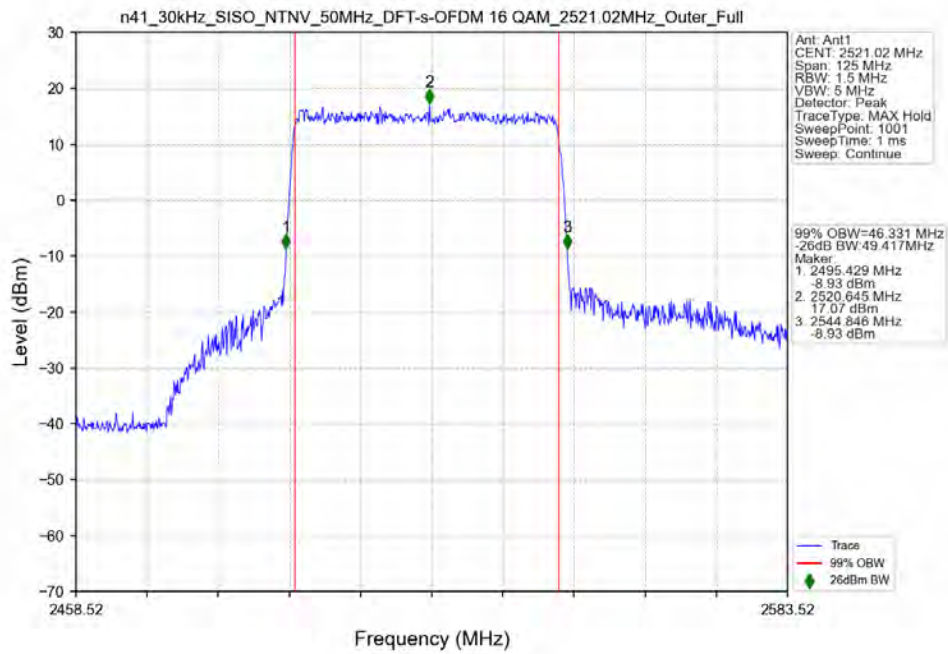
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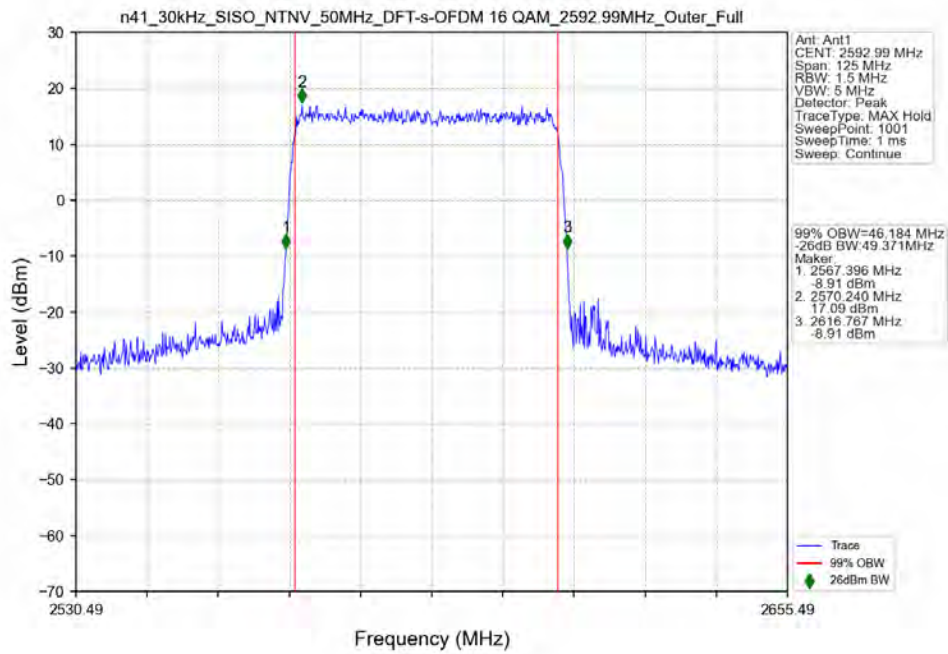
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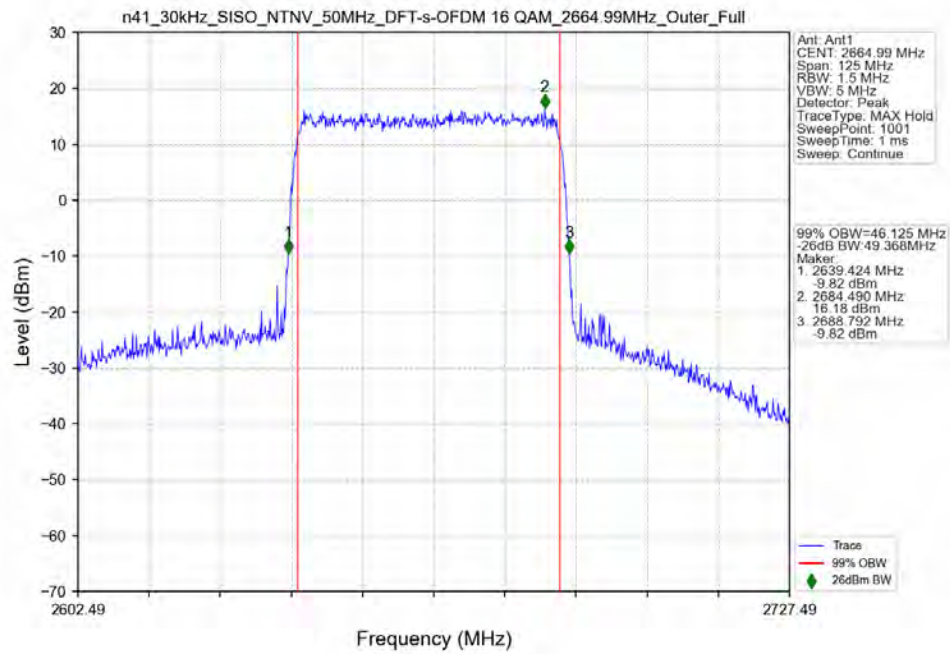
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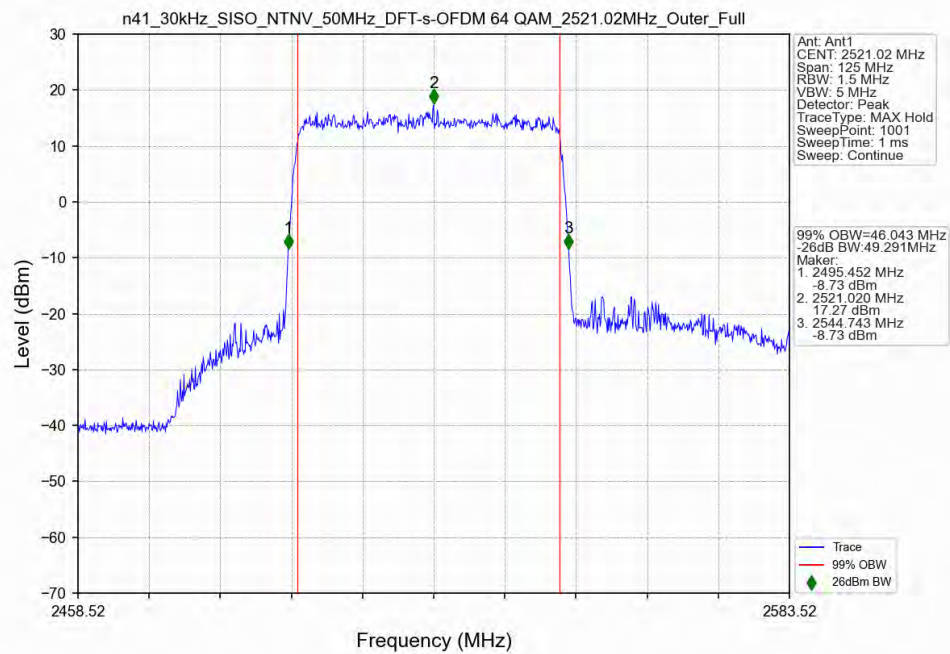
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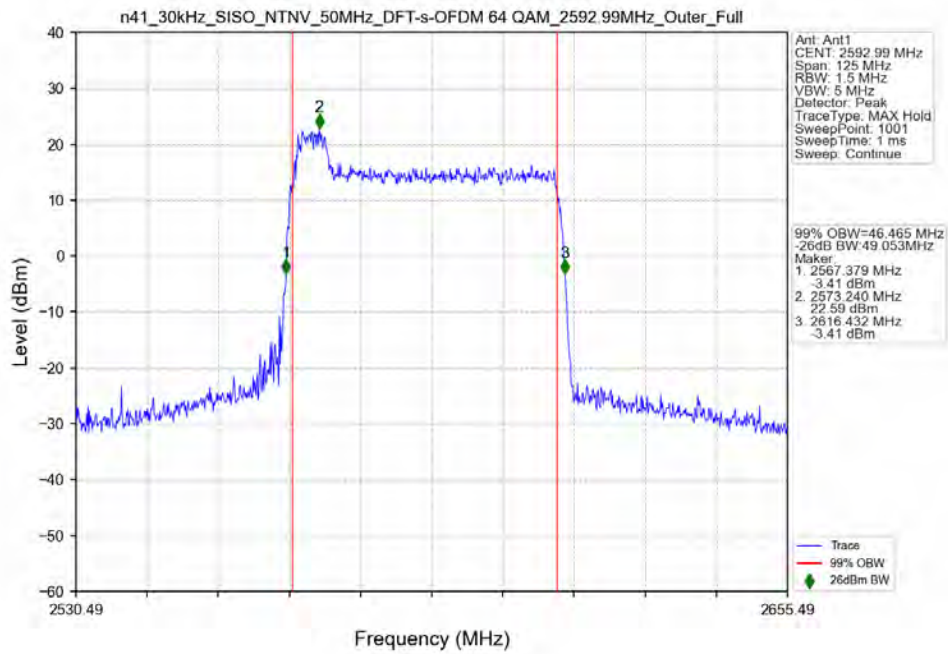
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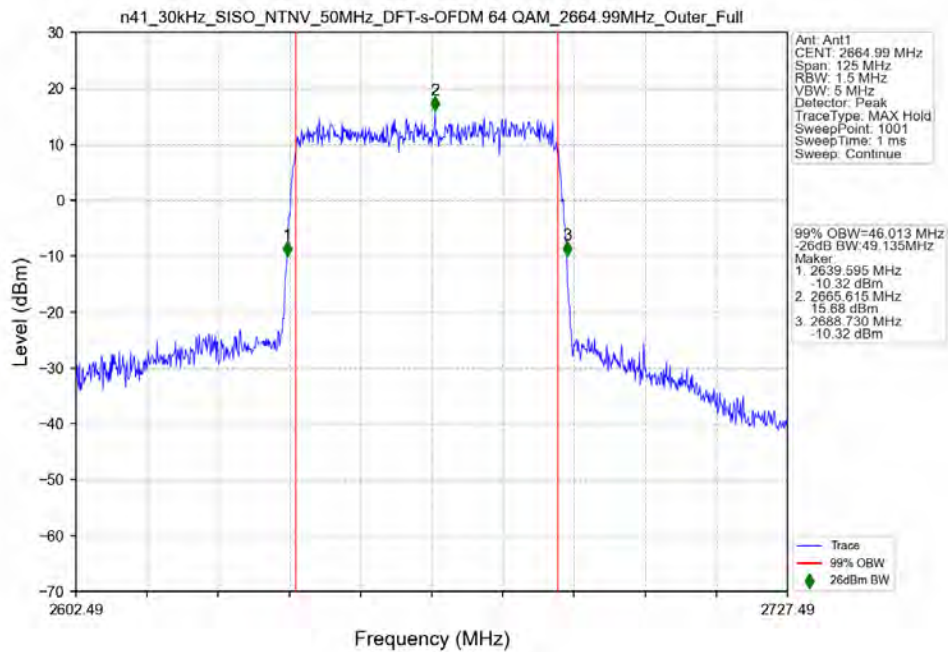
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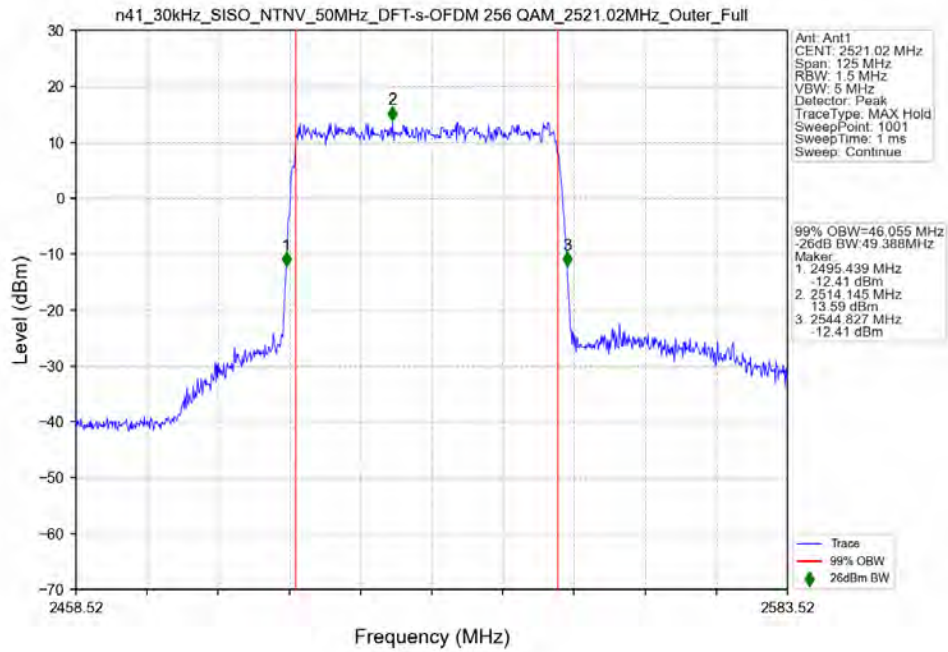
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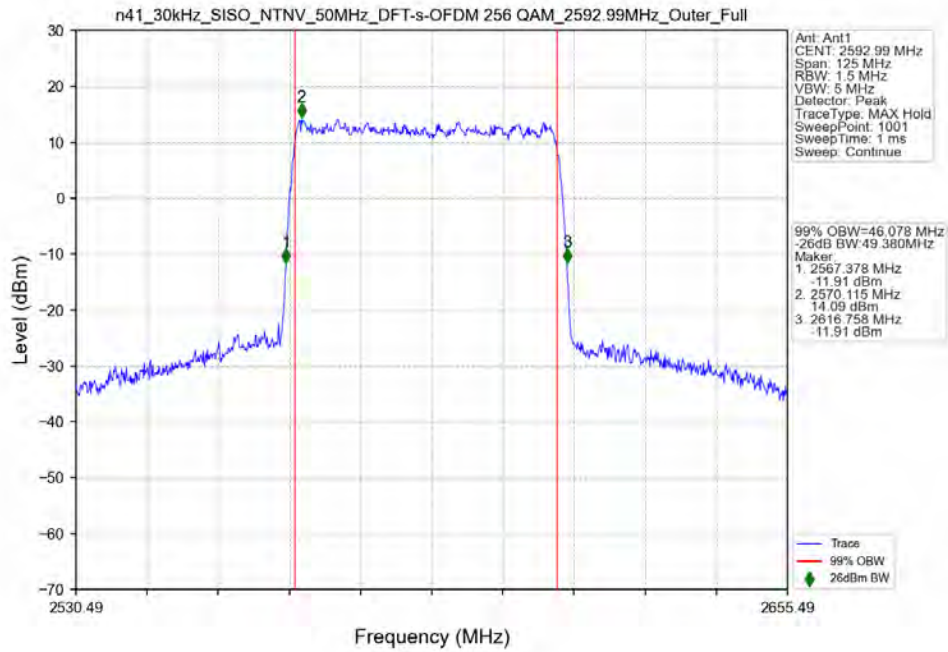
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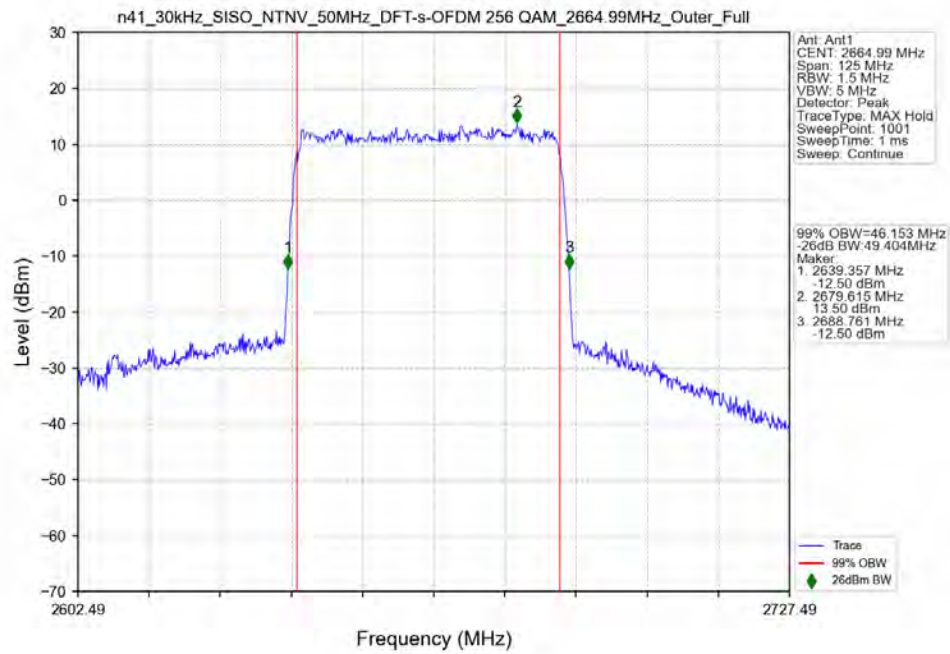
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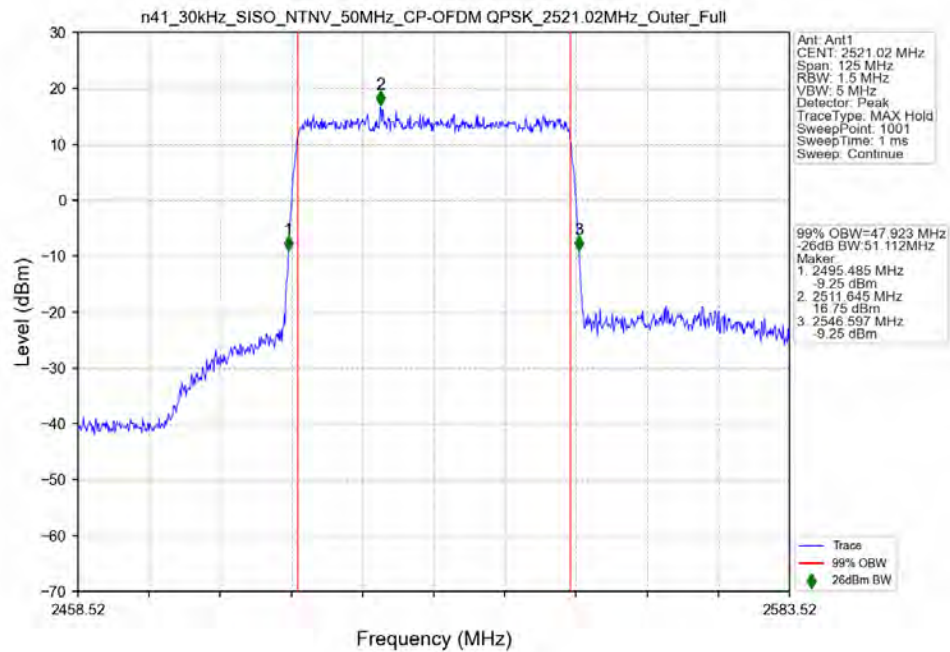
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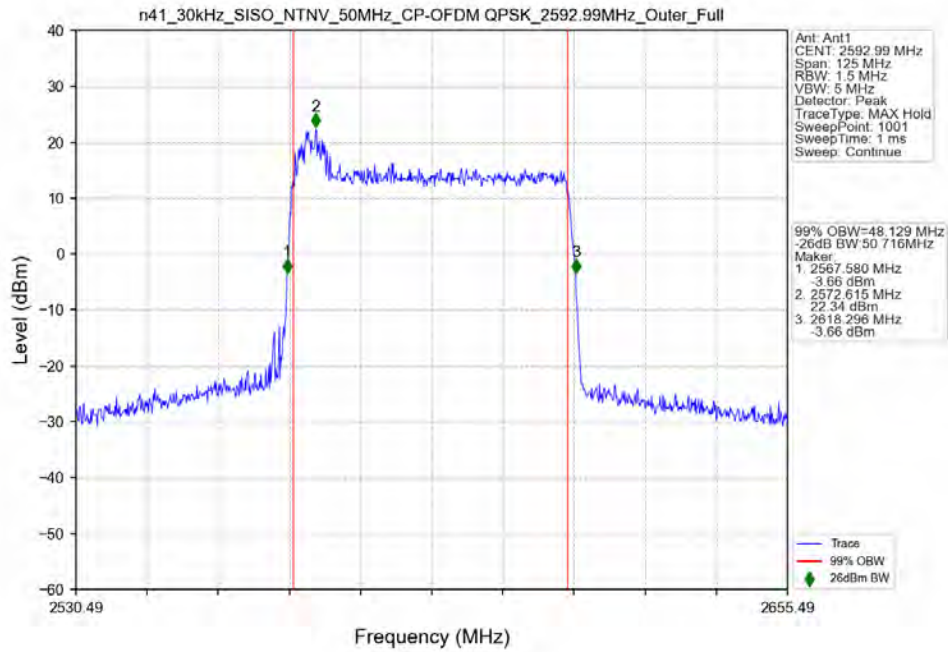
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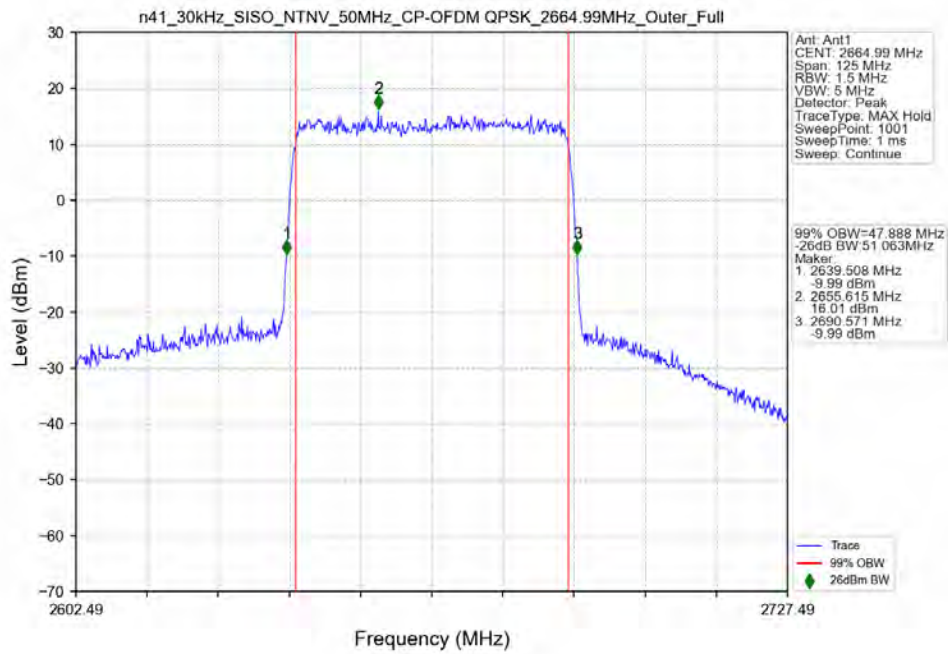
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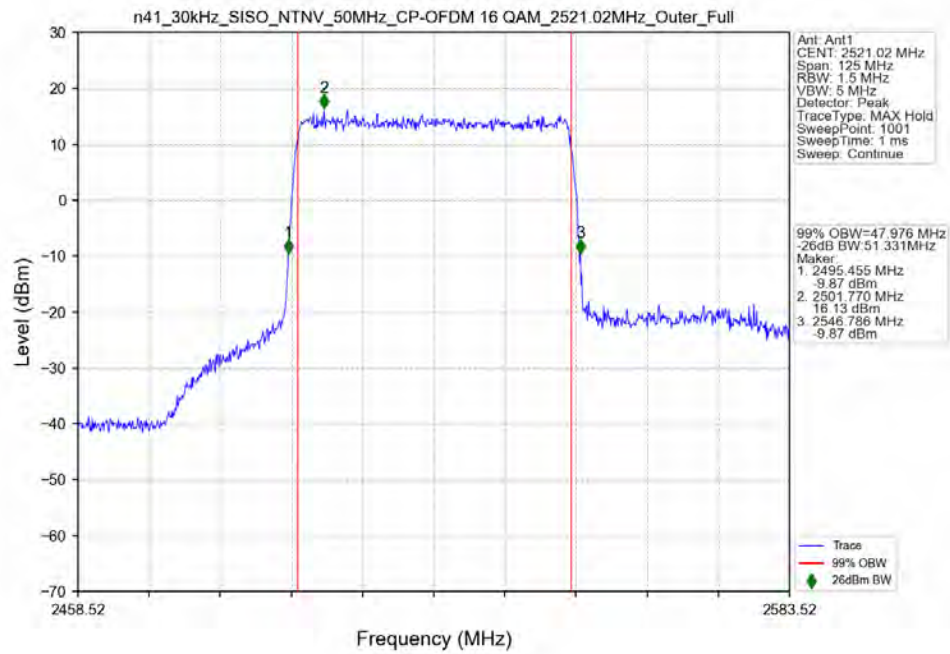
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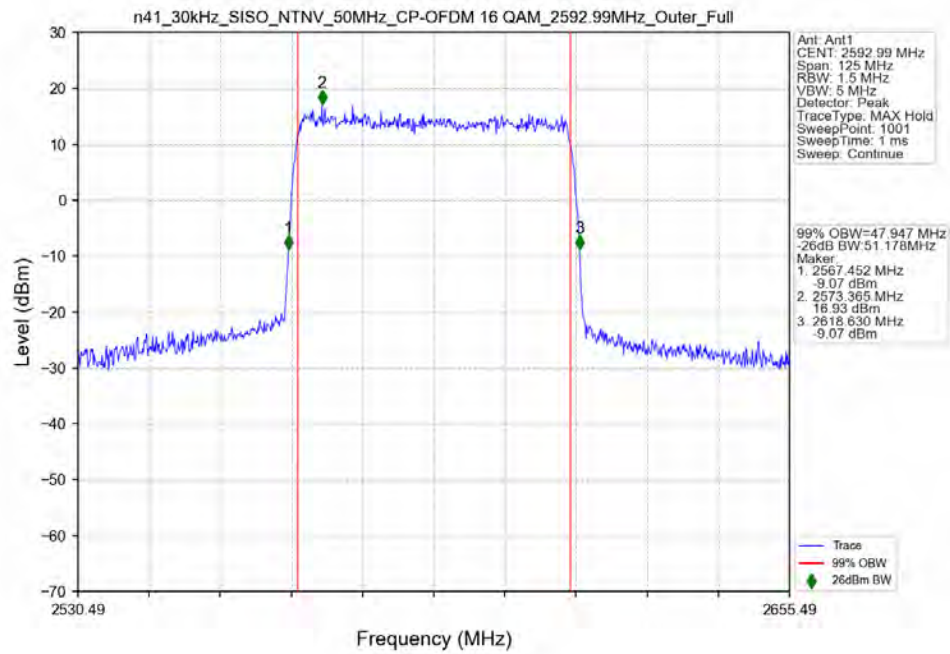
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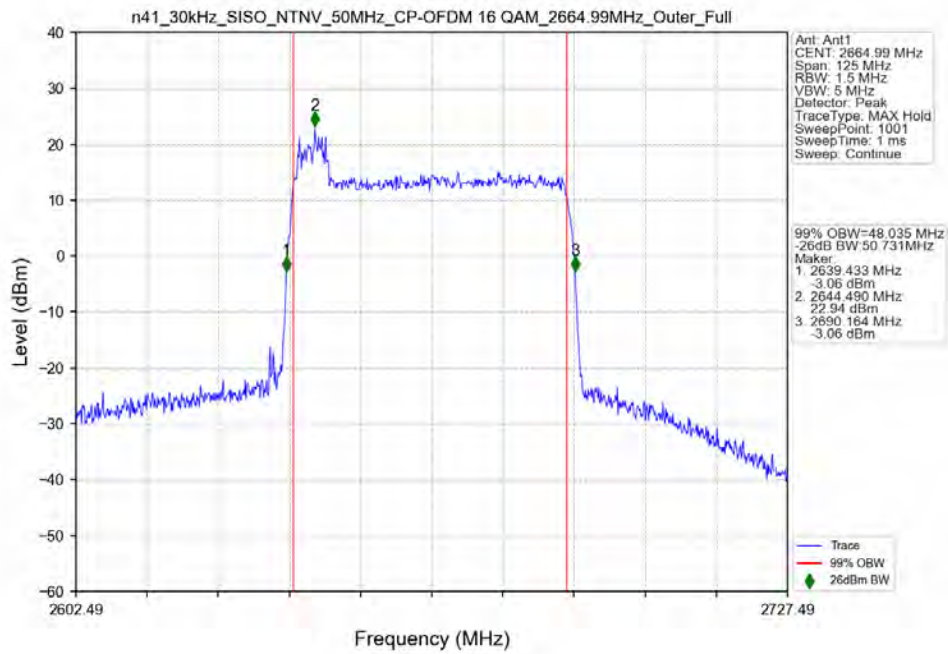
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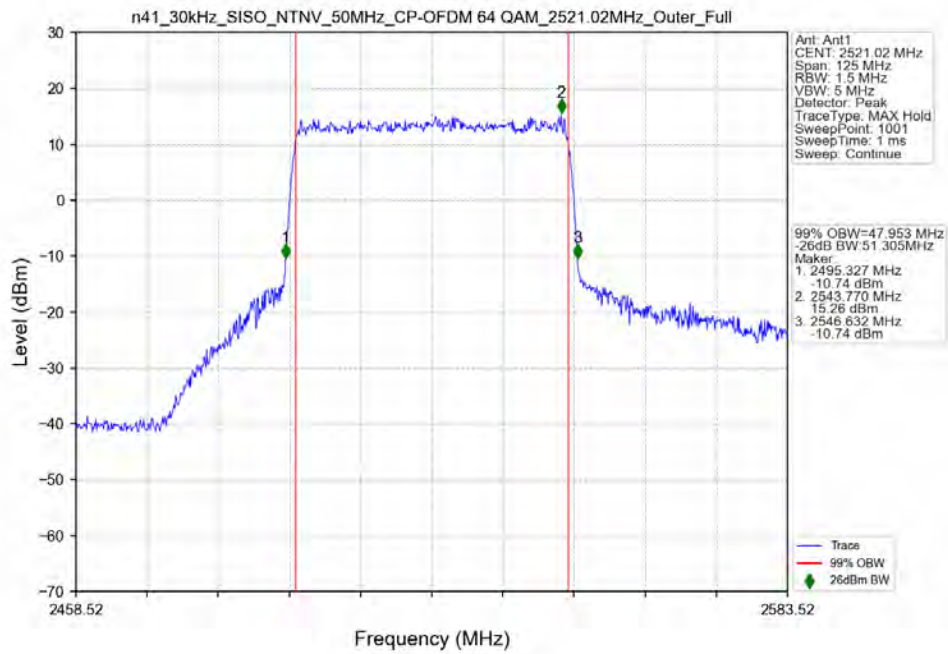
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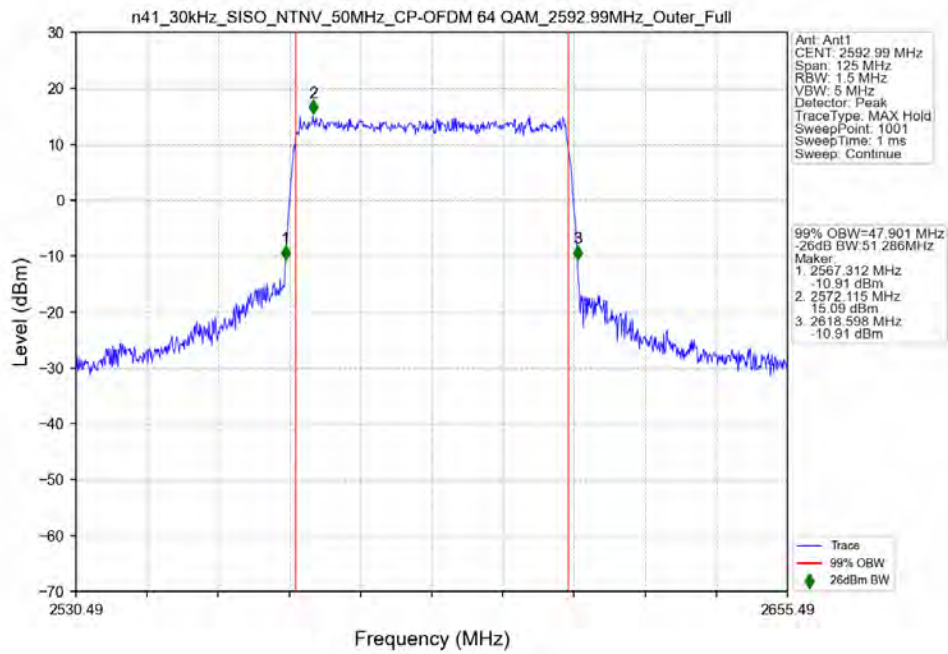
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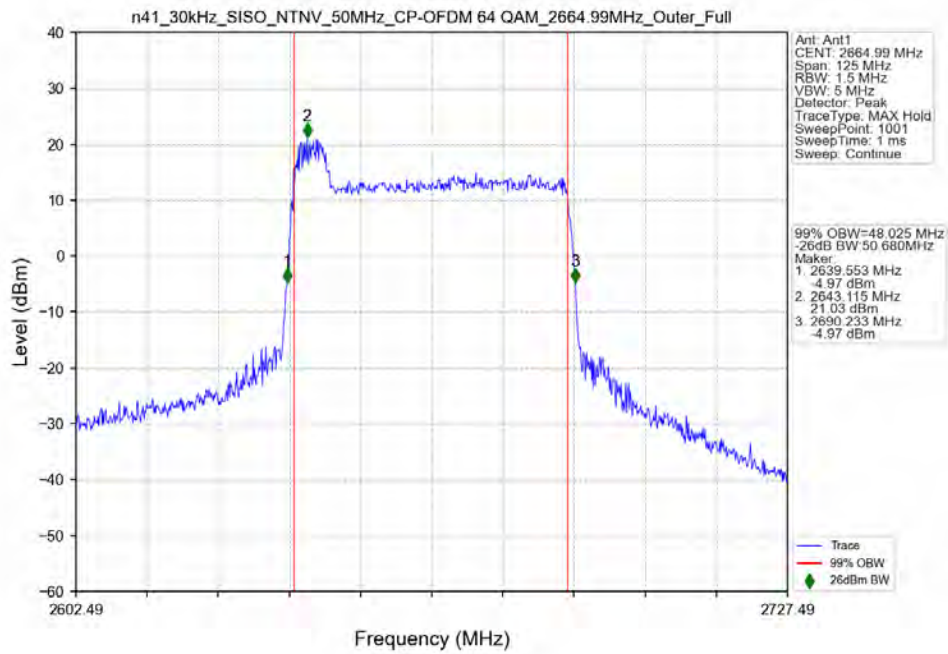
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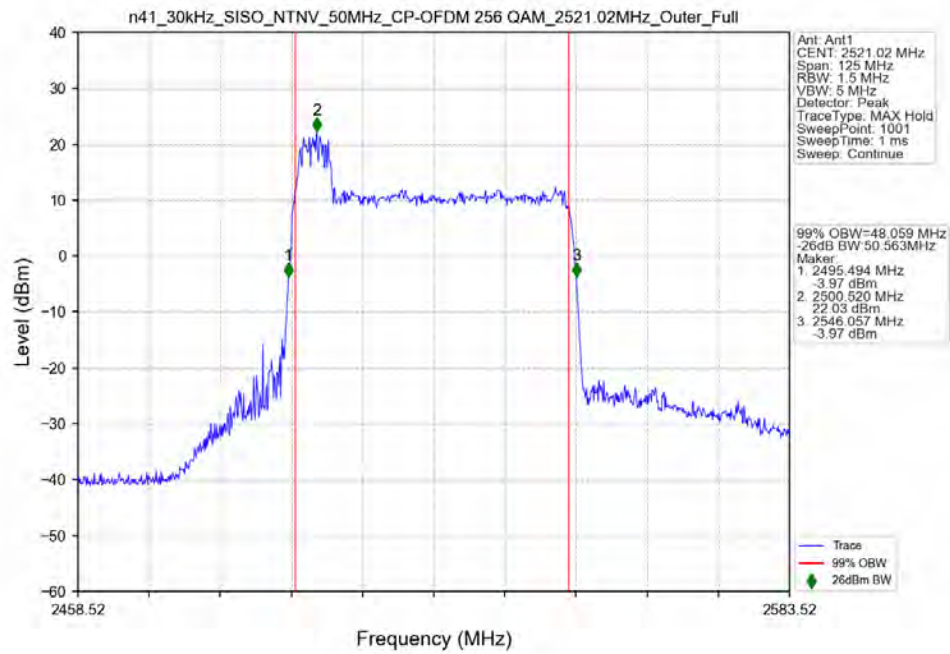
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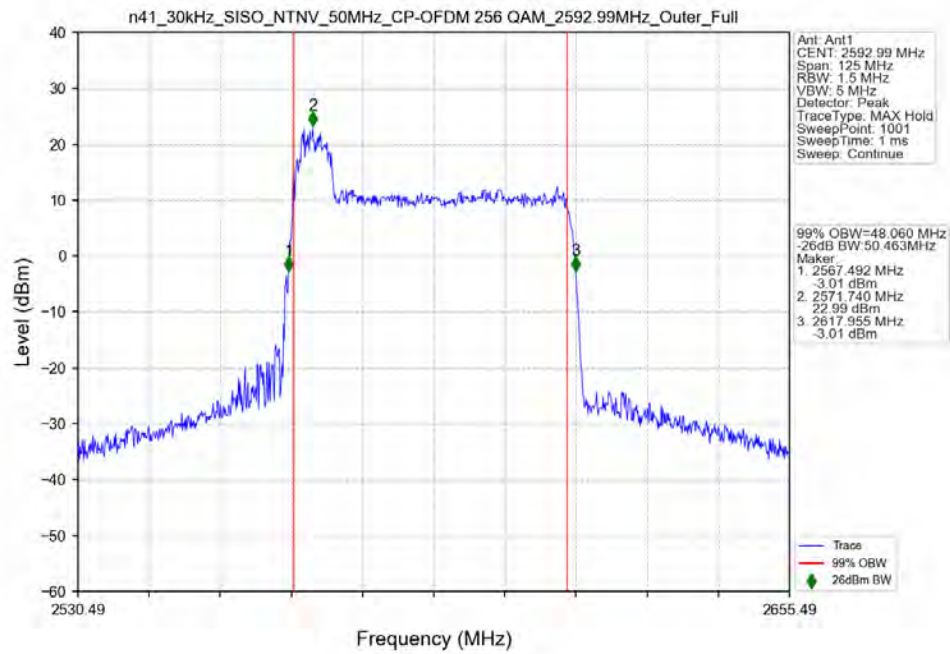
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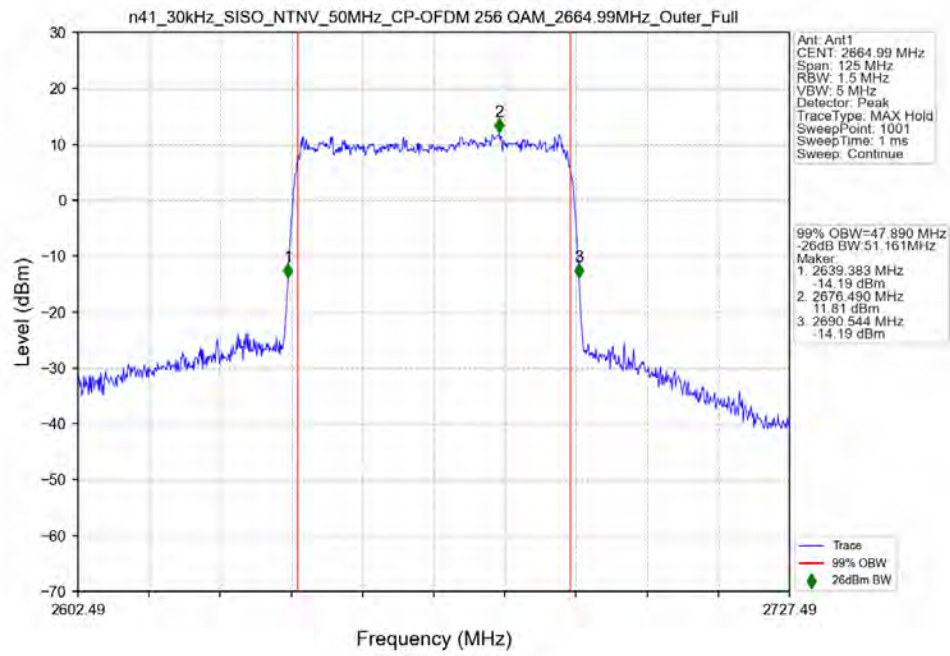
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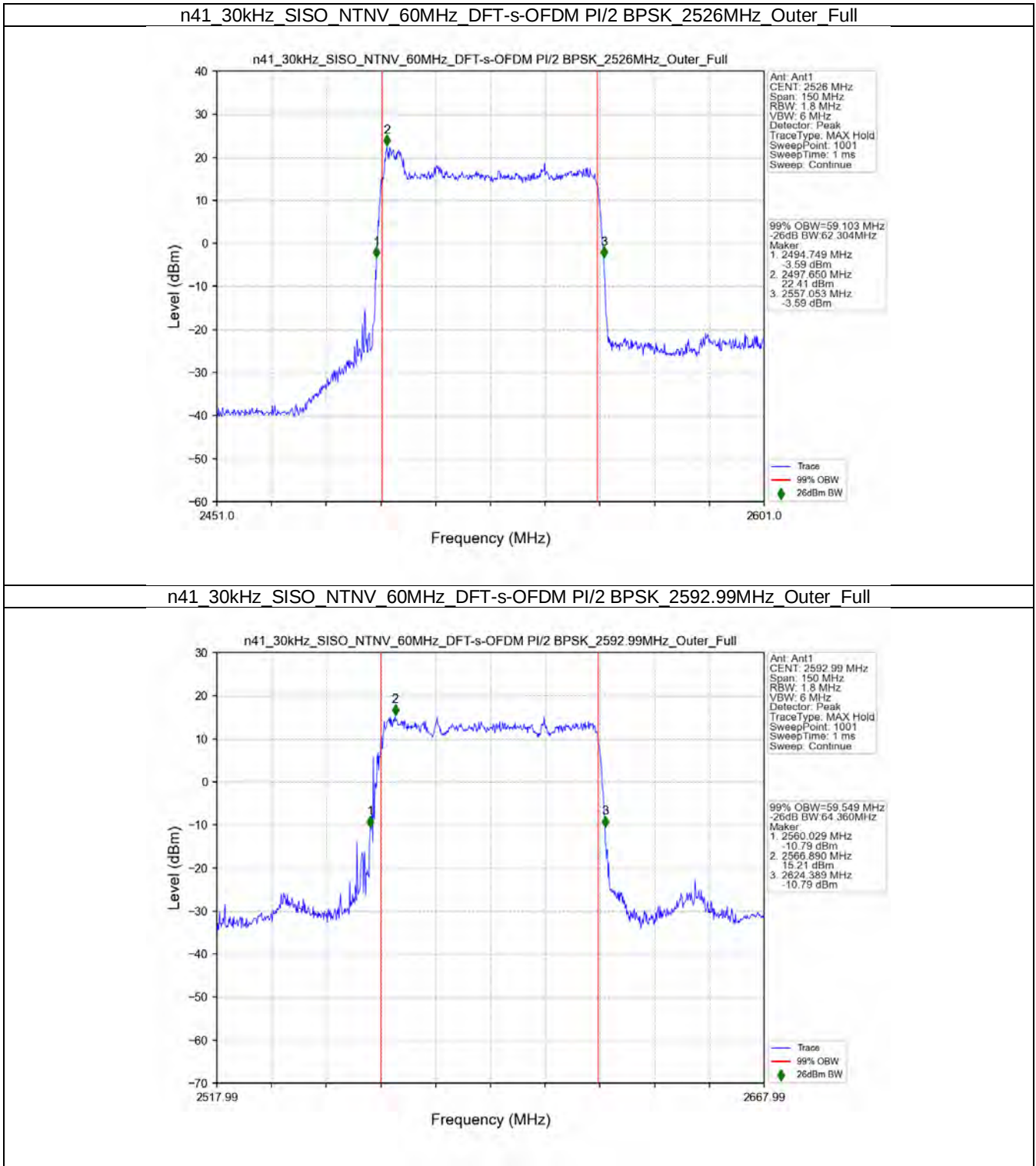
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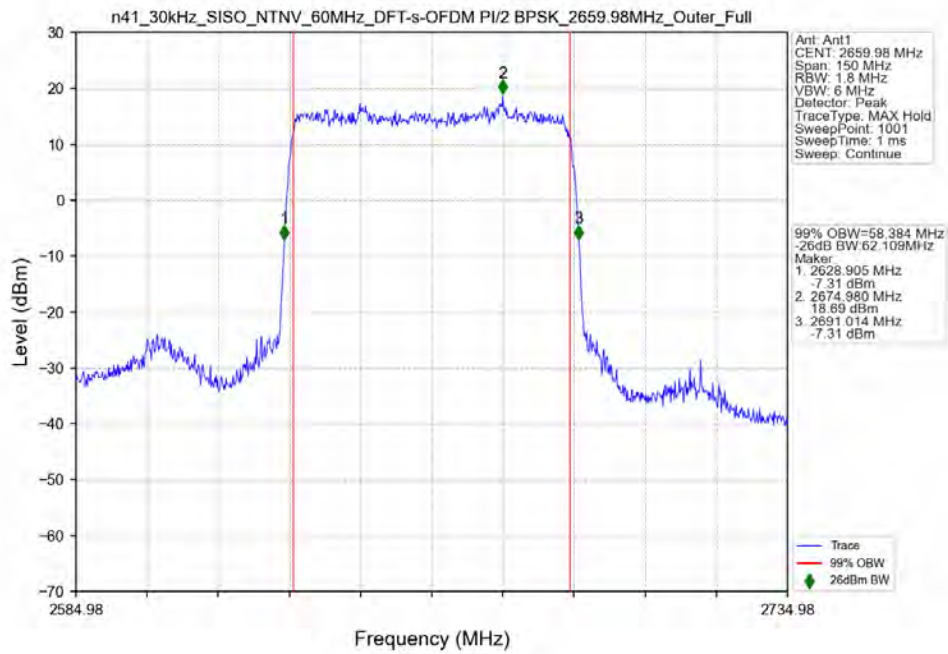
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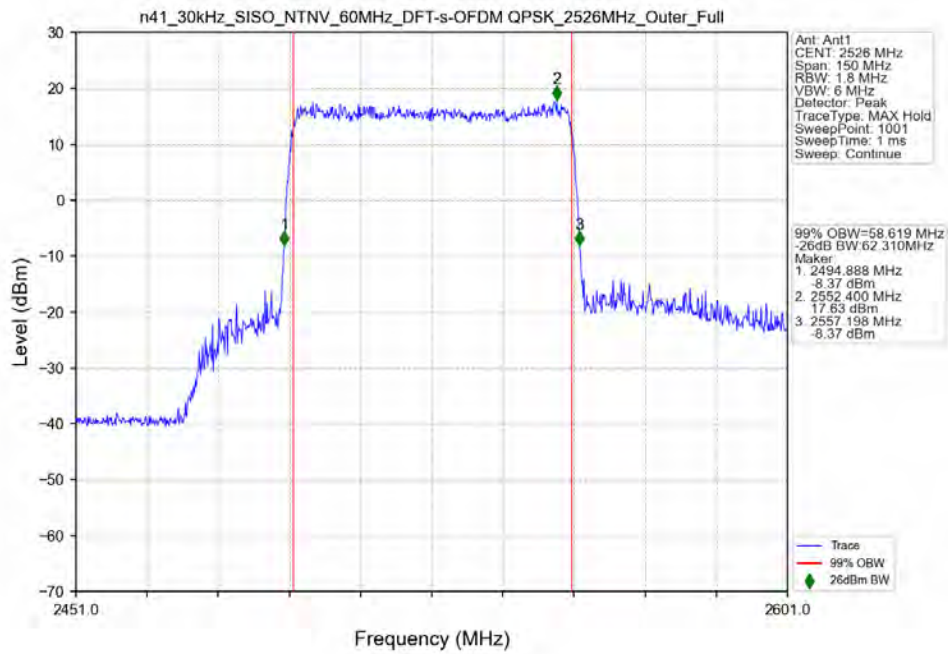
3.2.5 30k_SISO_60MHz_NTNV



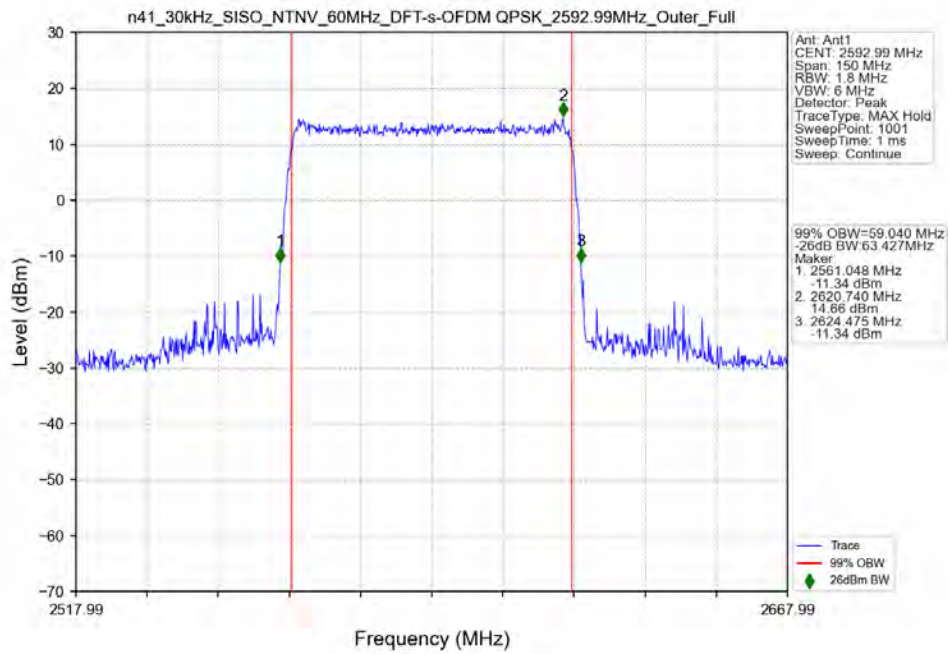
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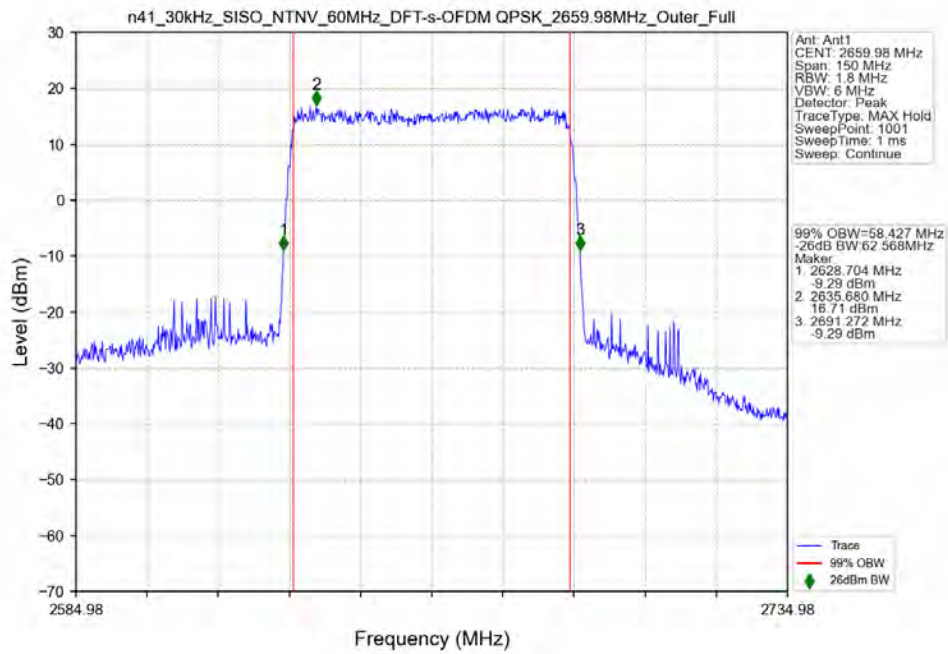
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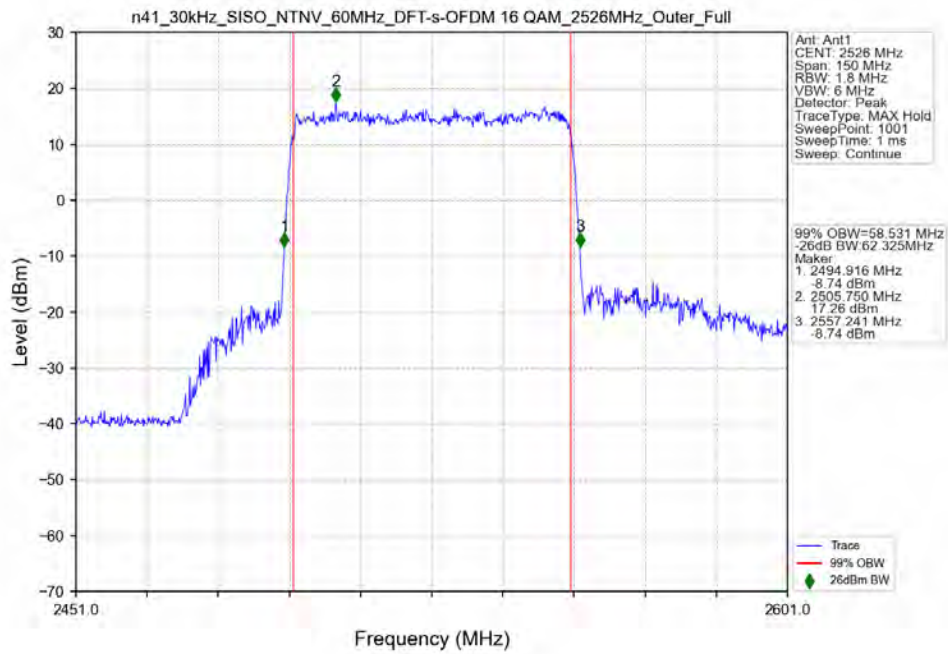
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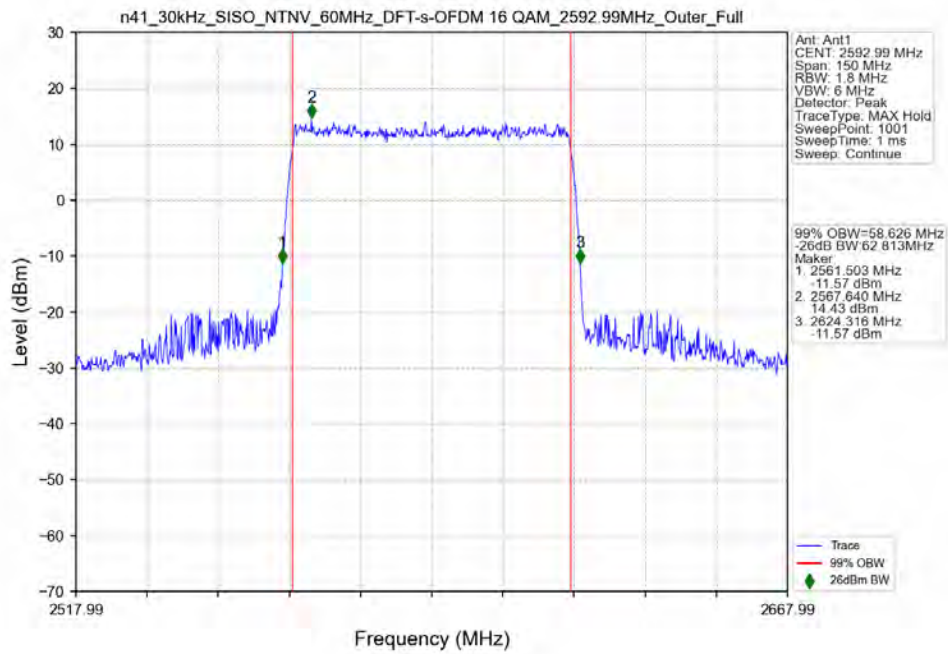
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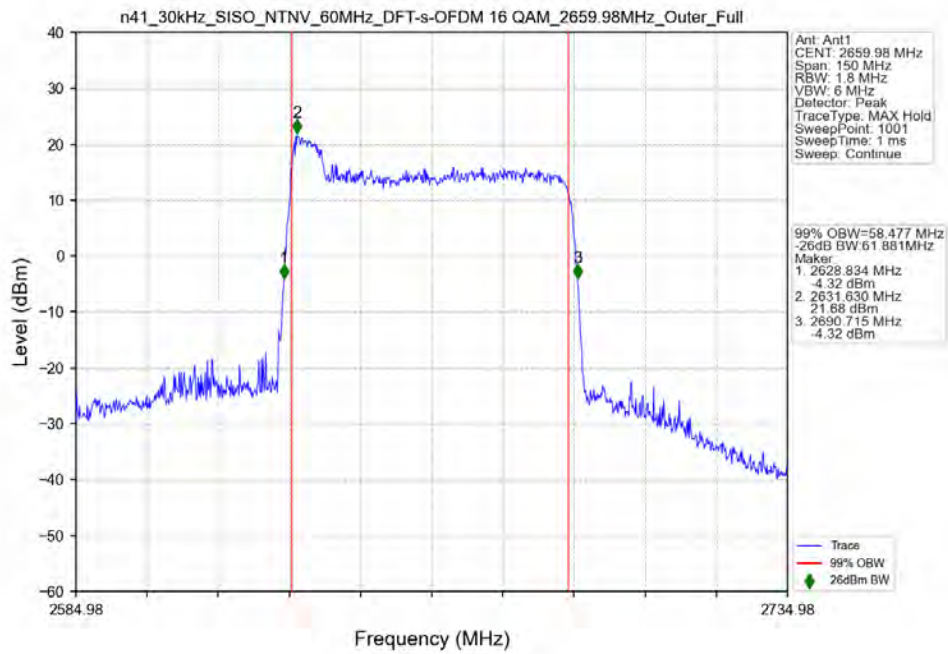
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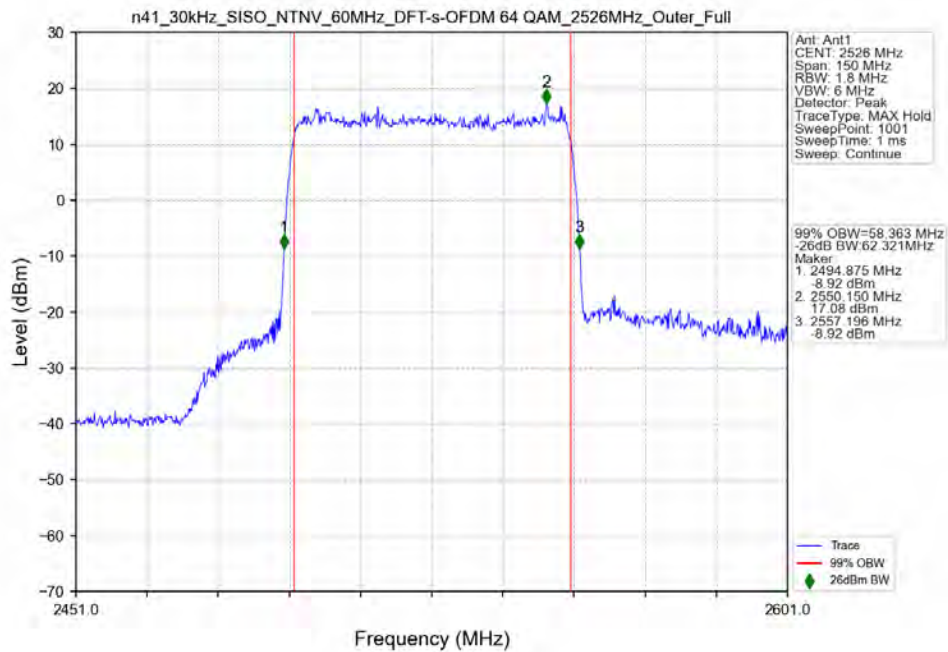
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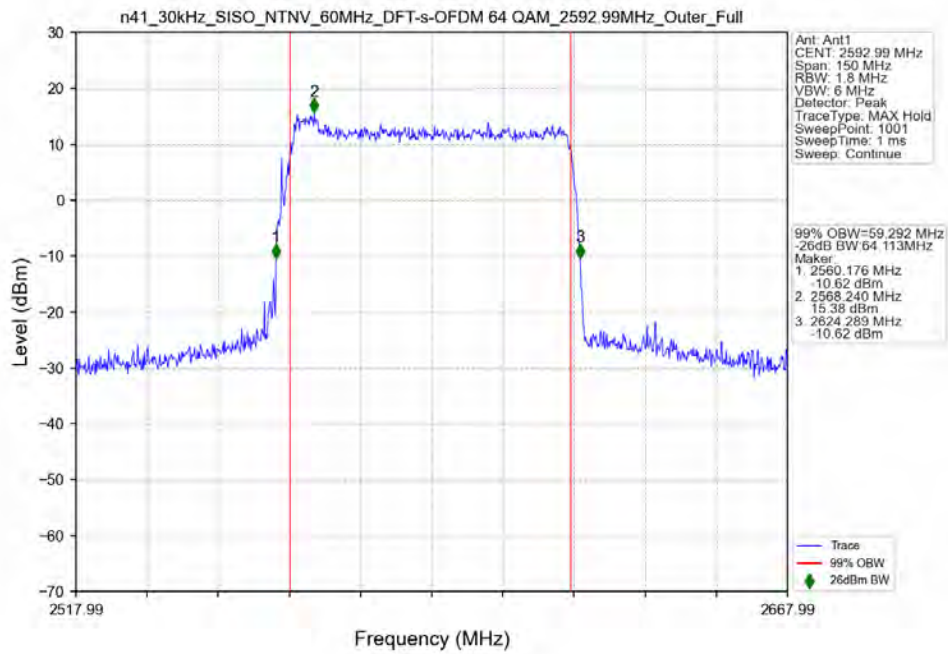
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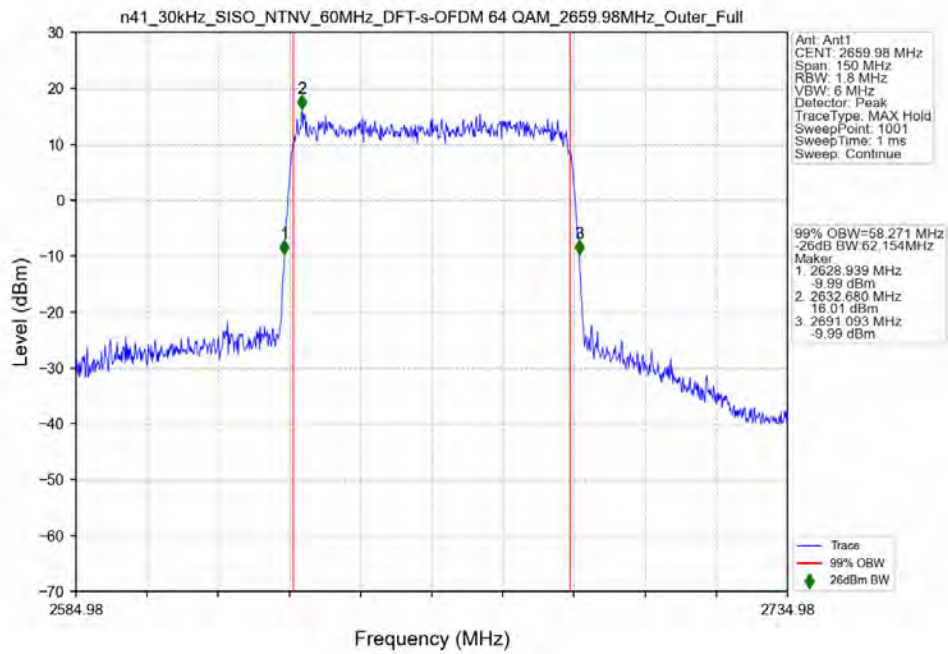
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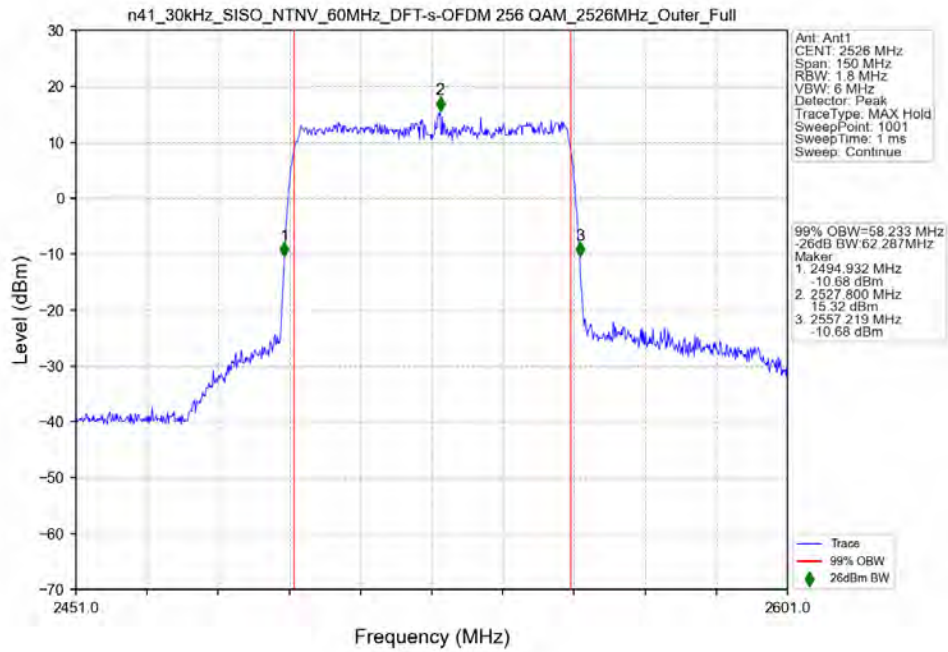
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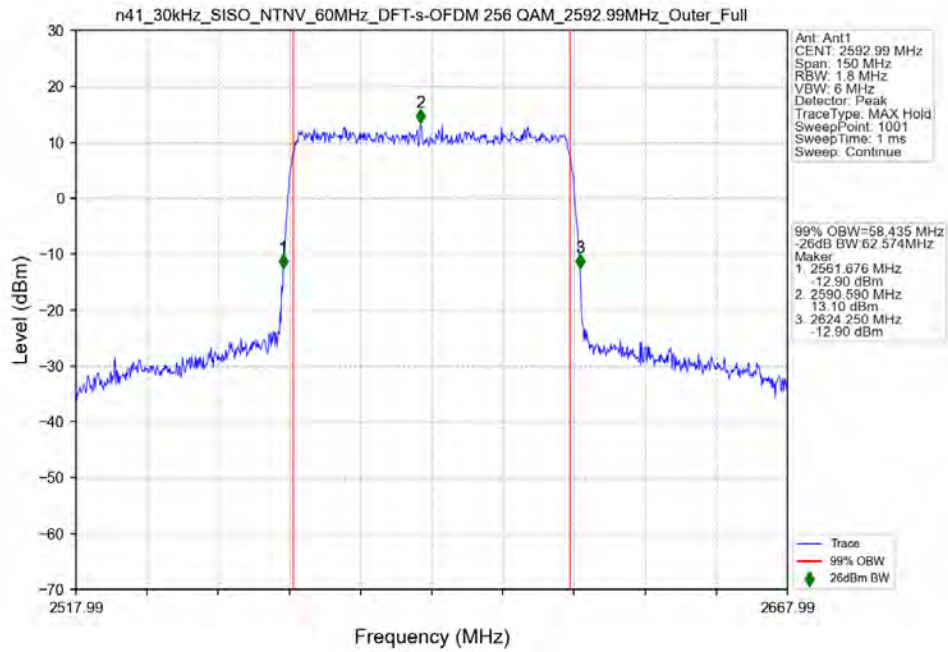
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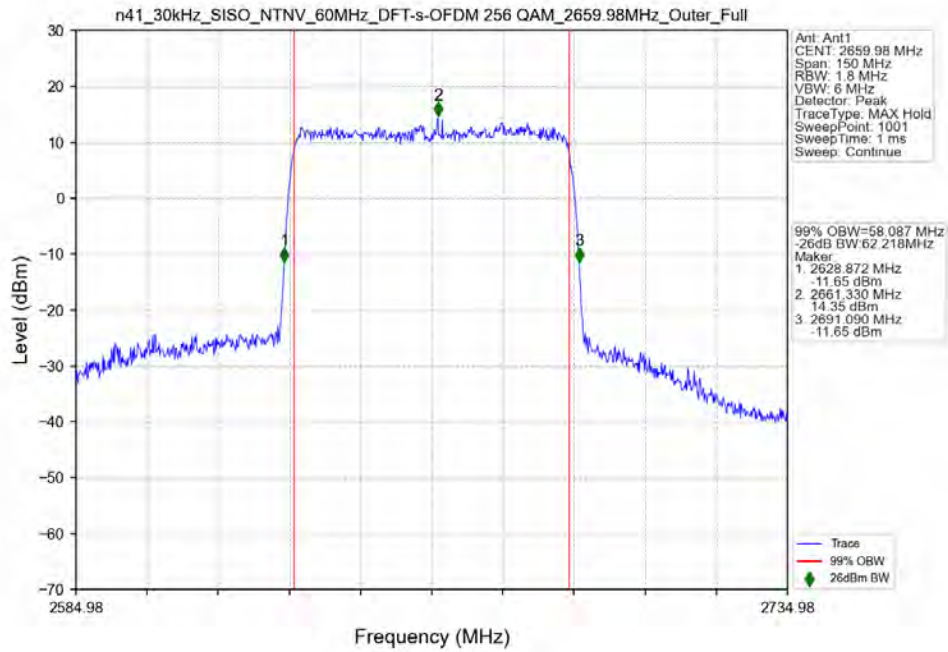
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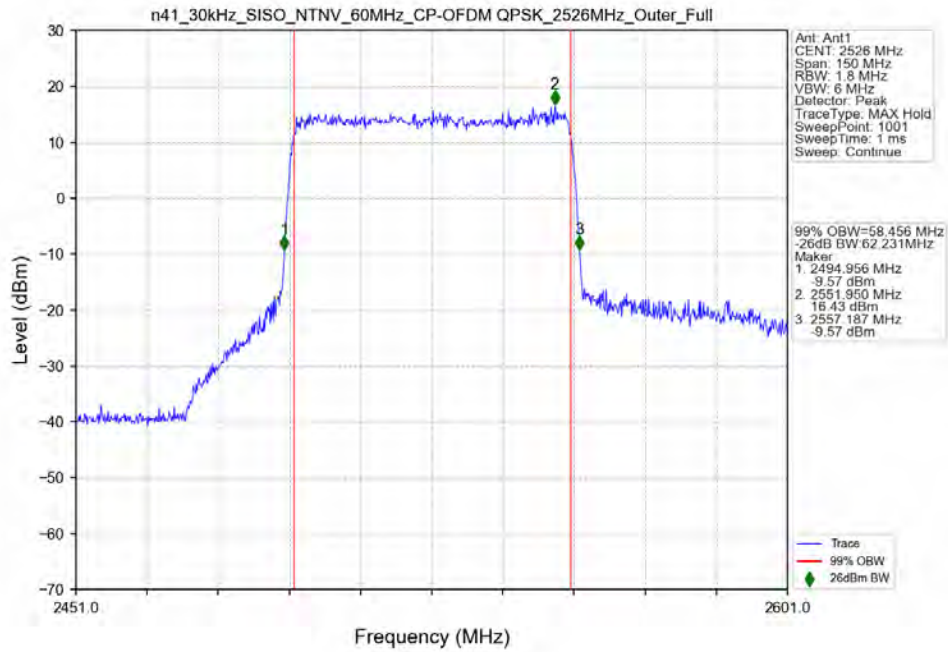
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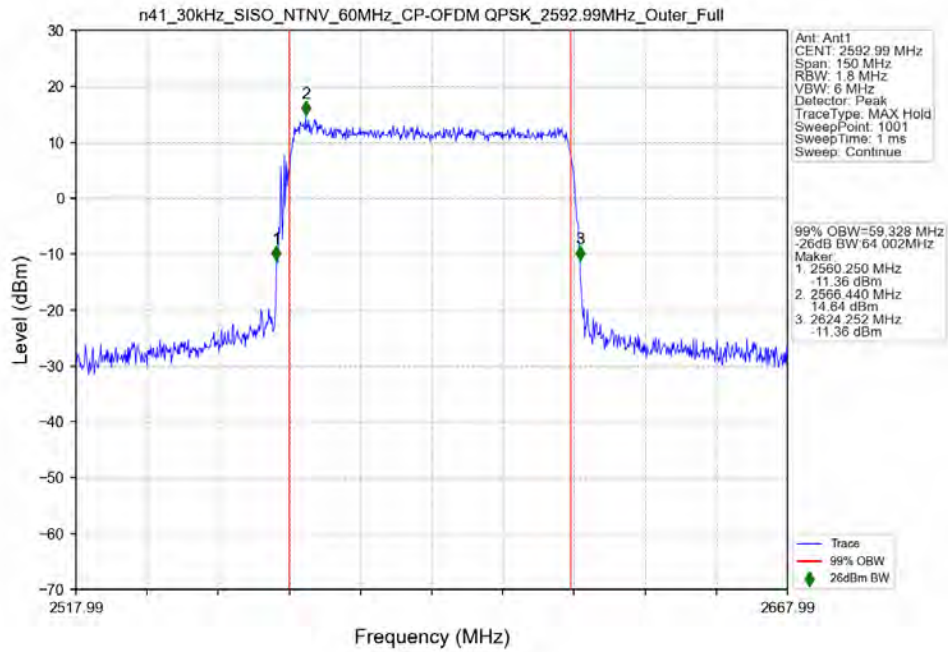
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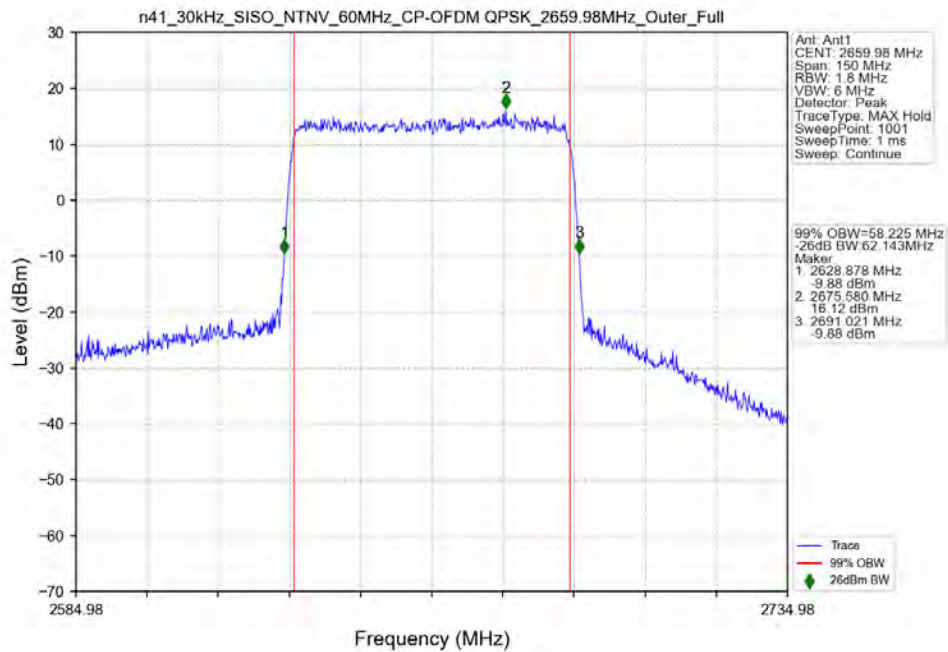
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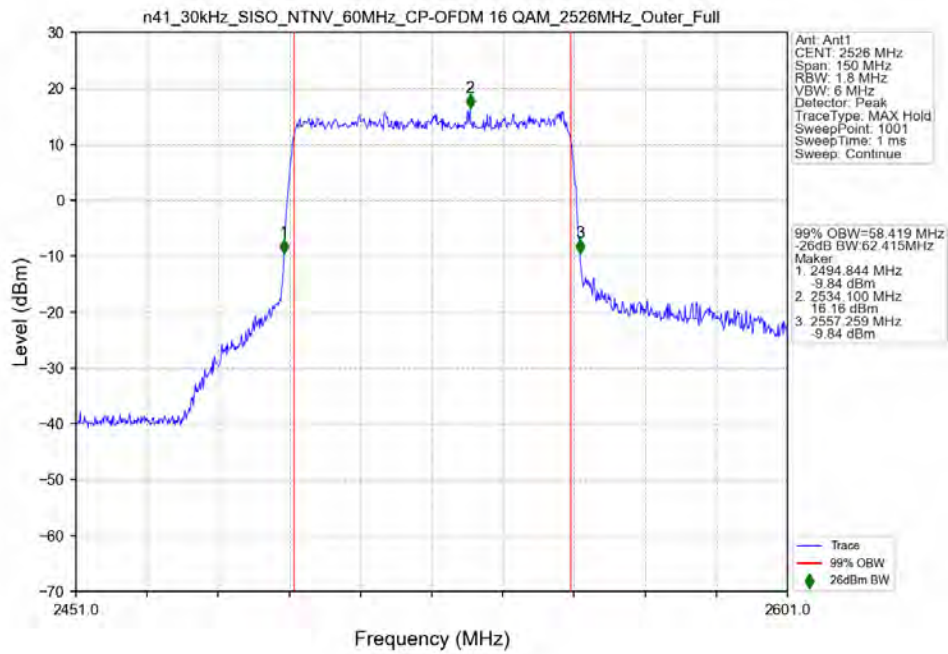
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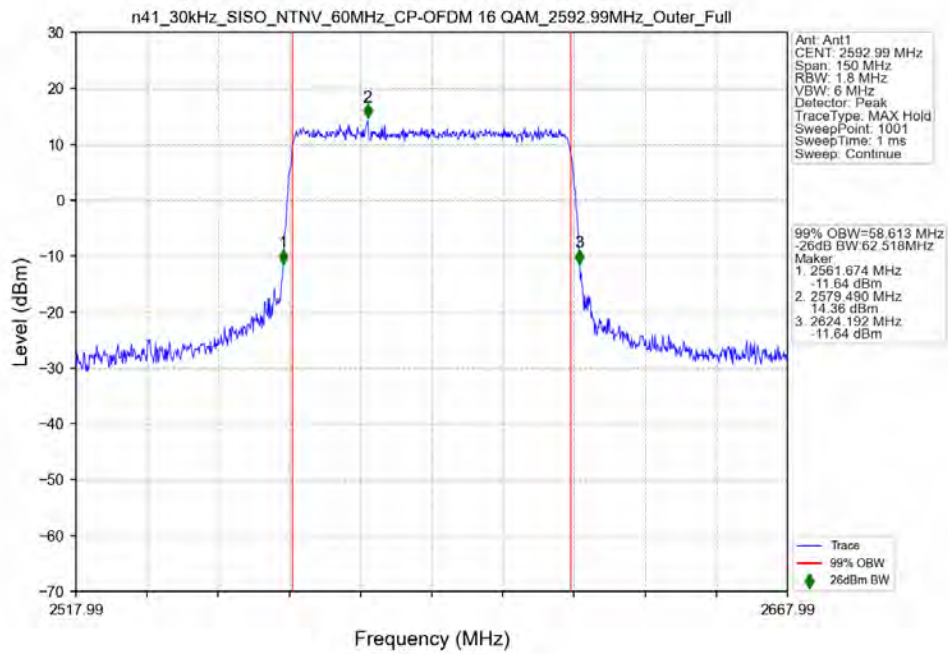
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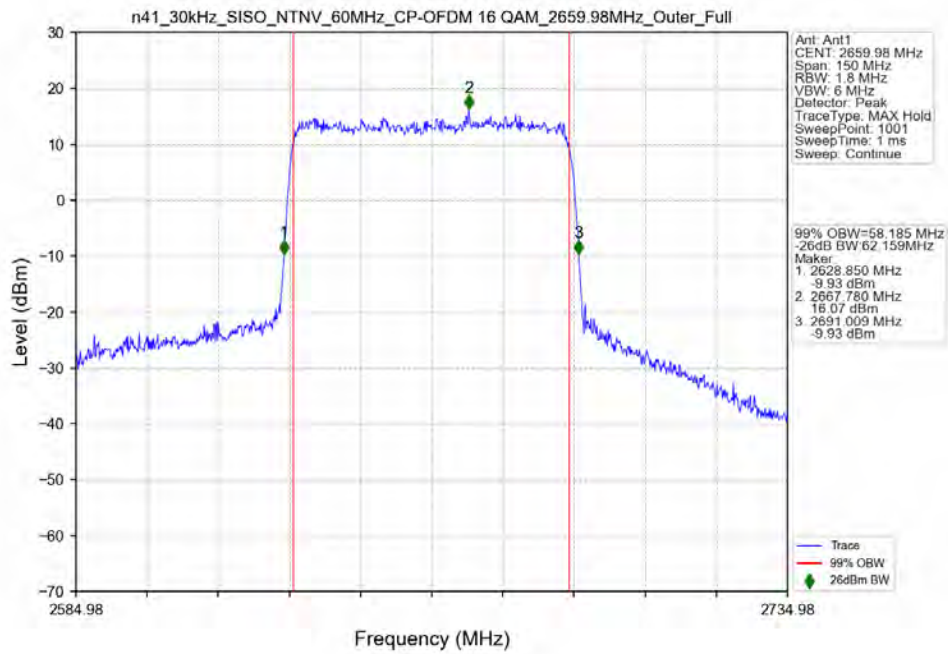
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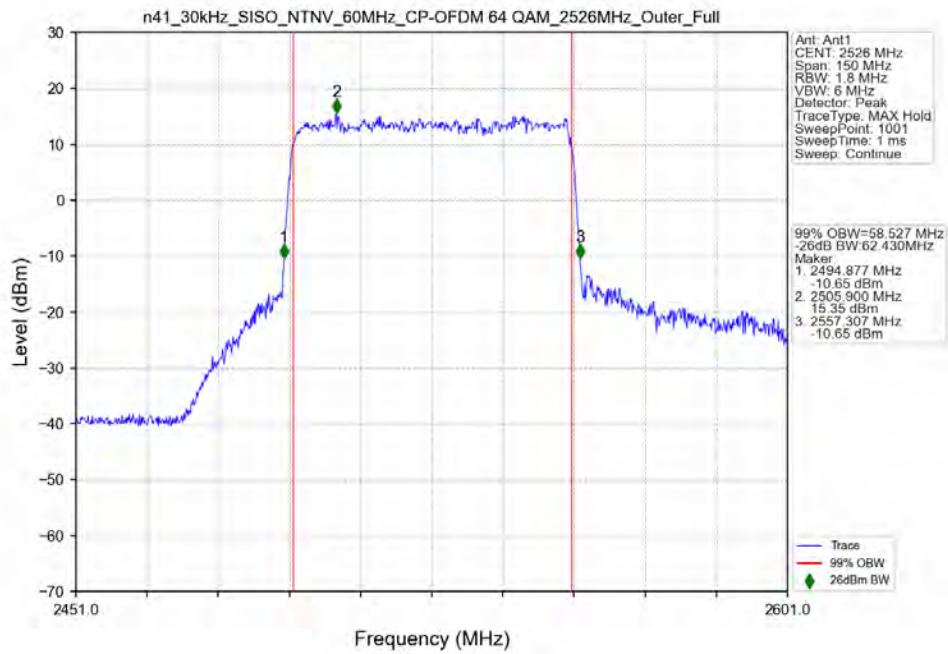
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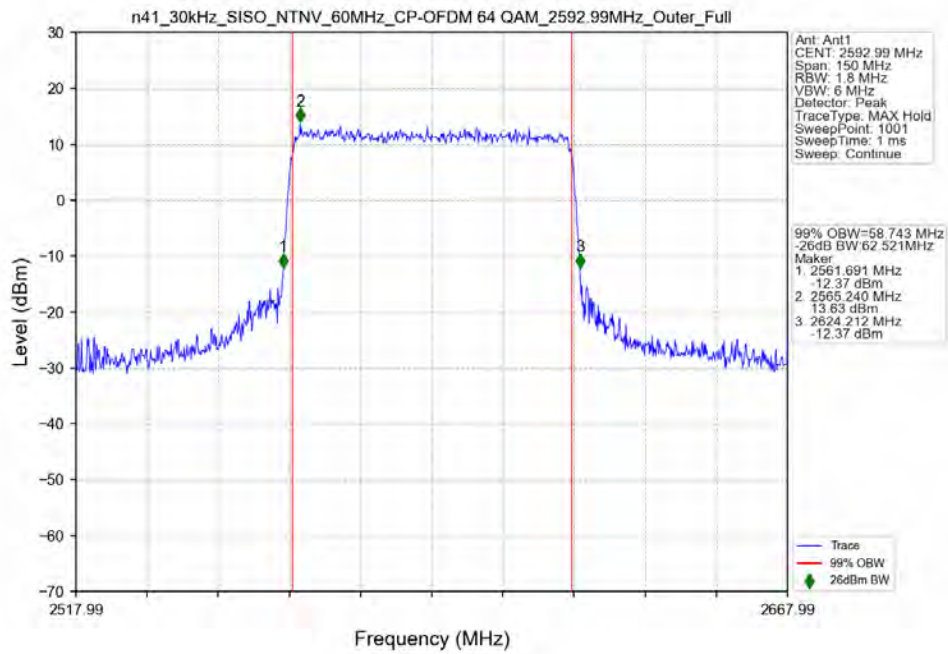
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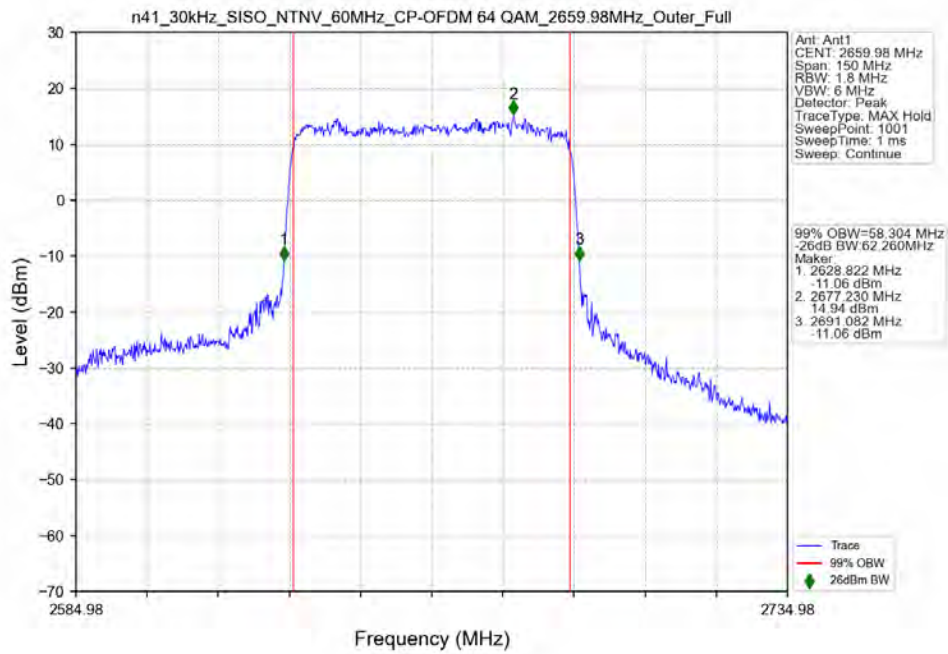
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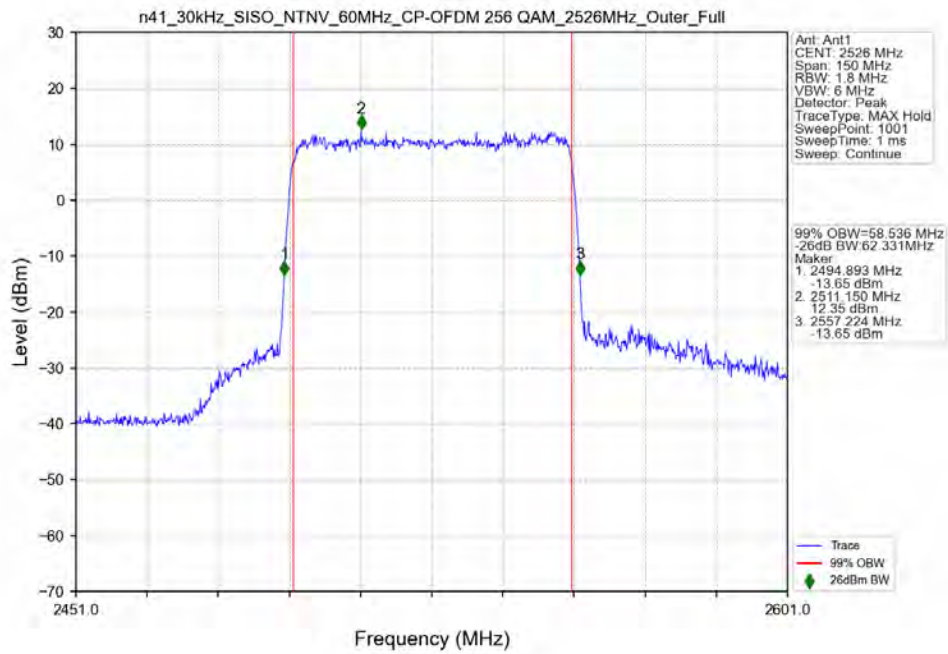
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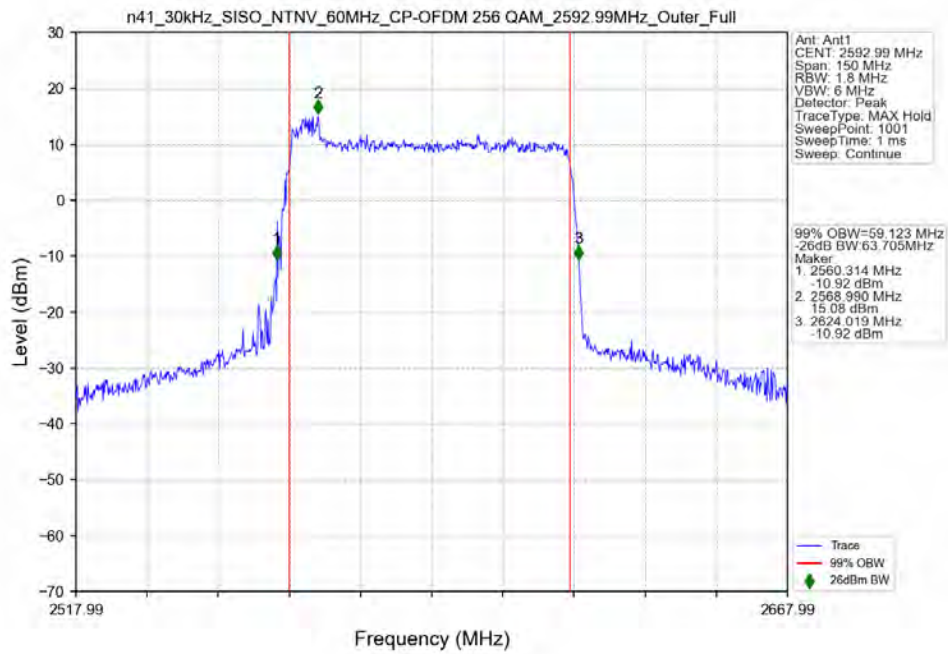
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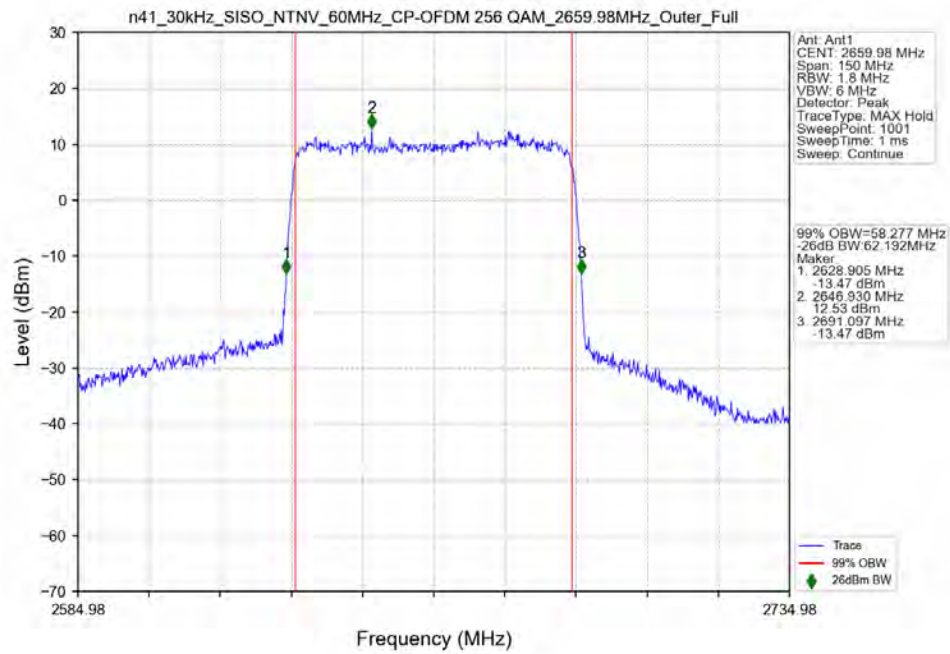
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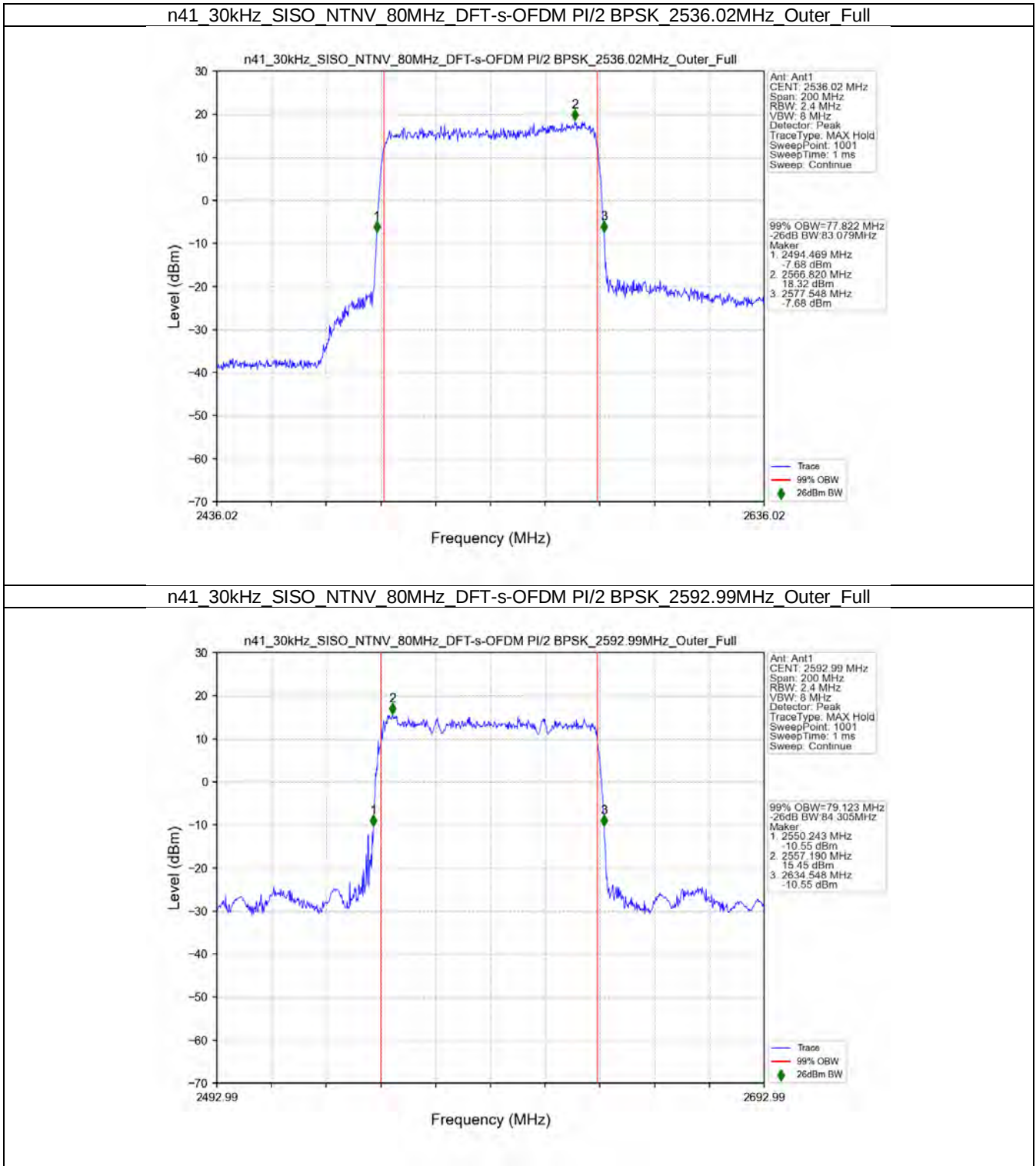
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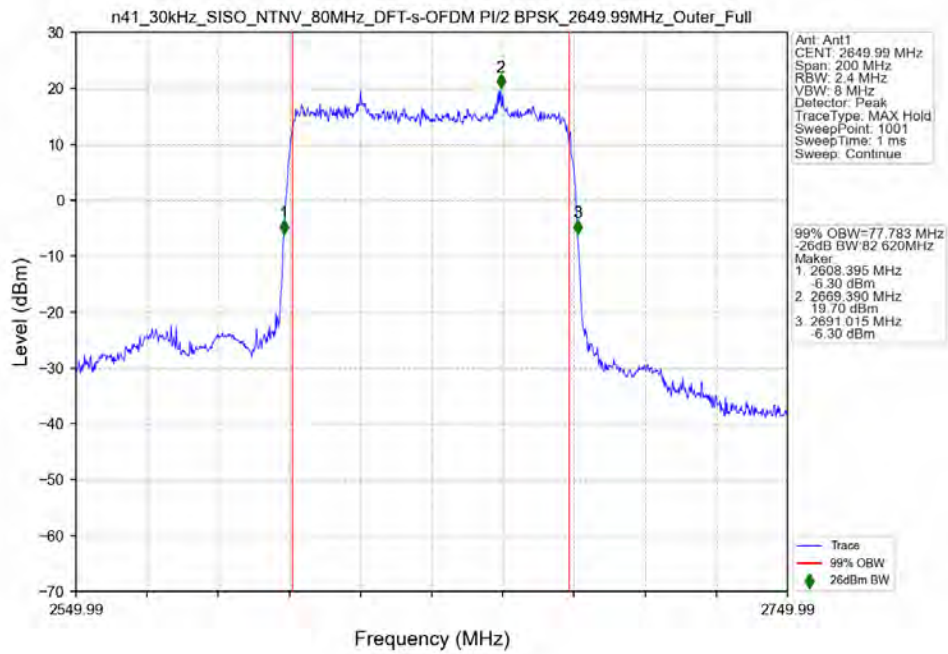
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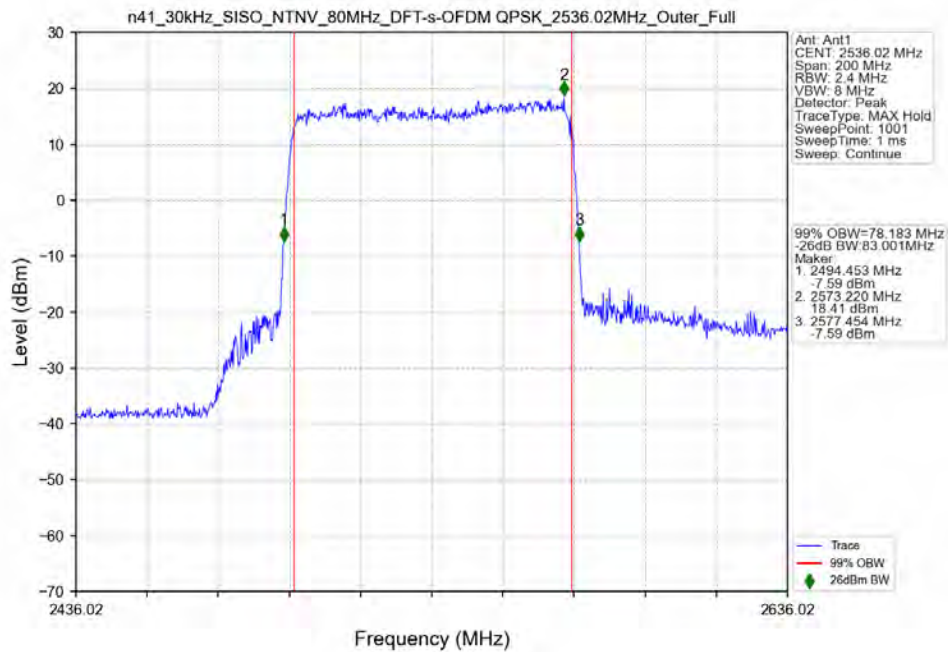
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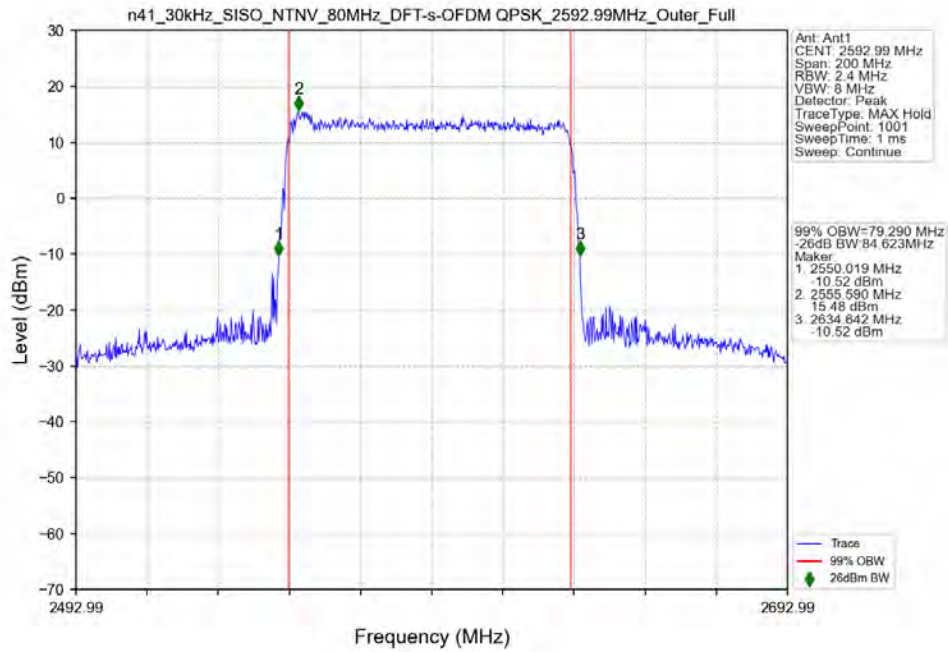
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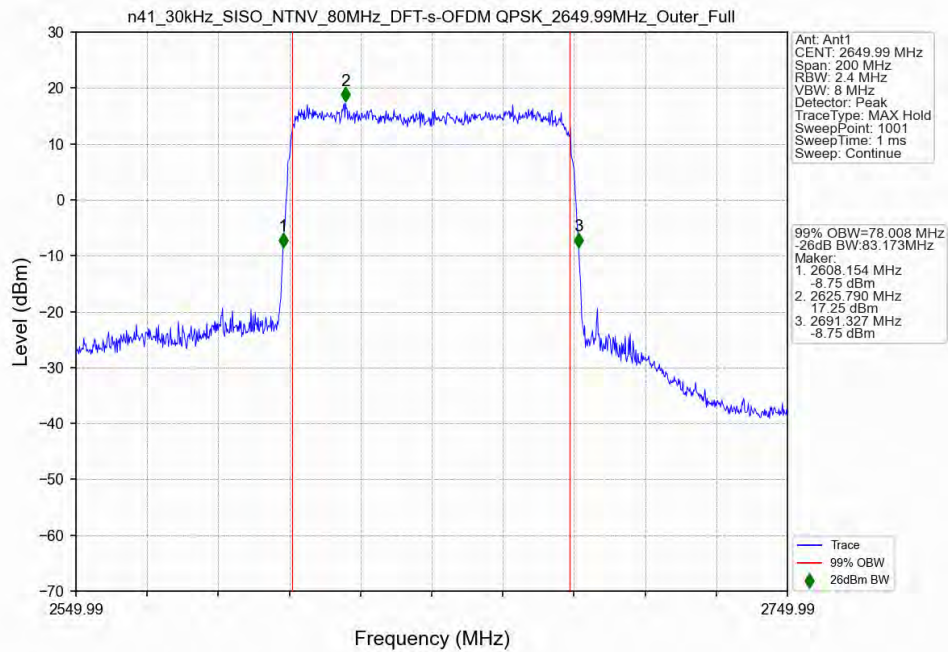
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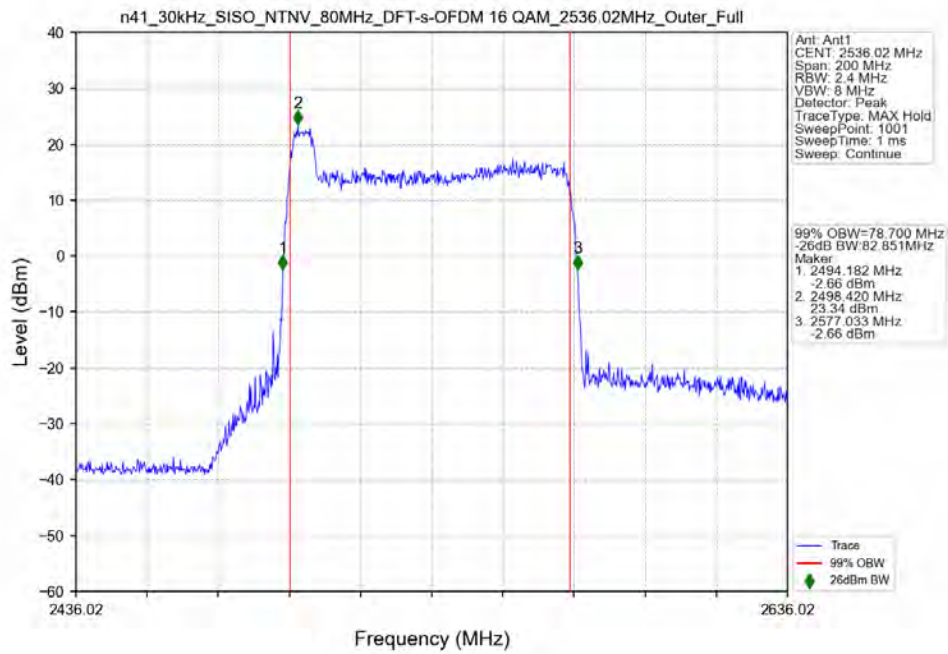
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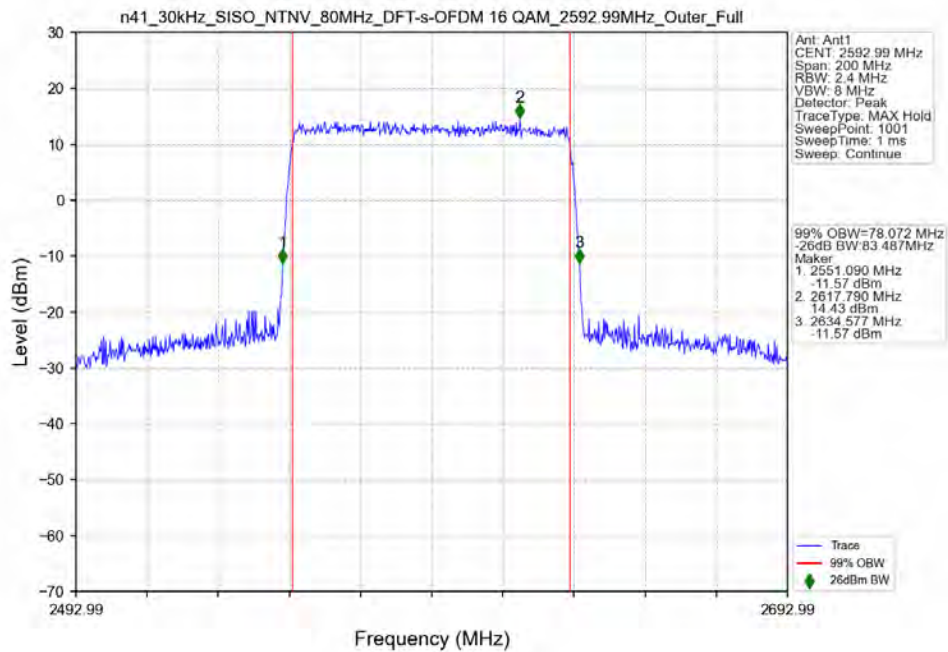
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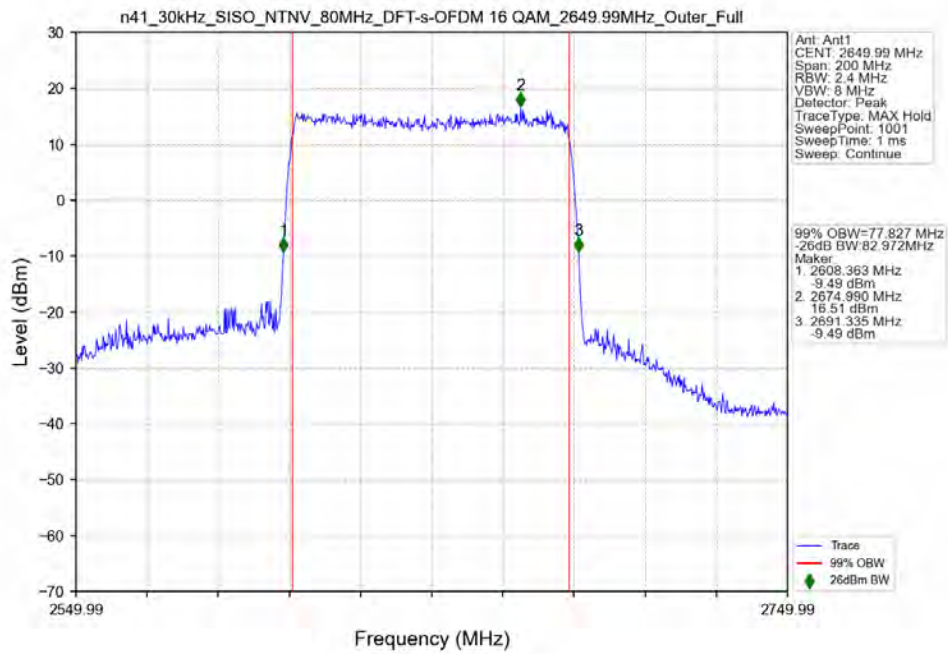
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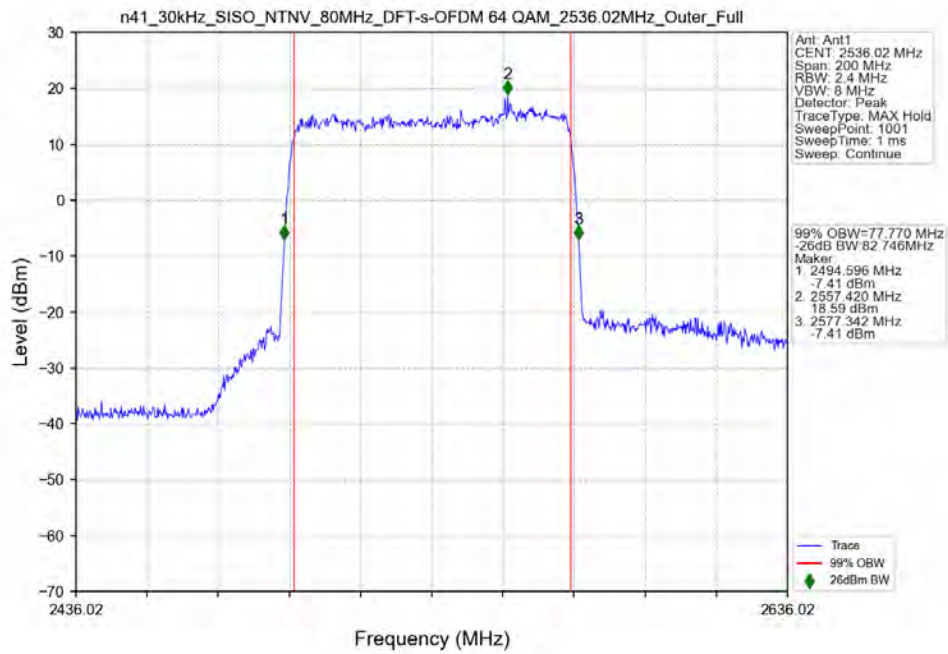
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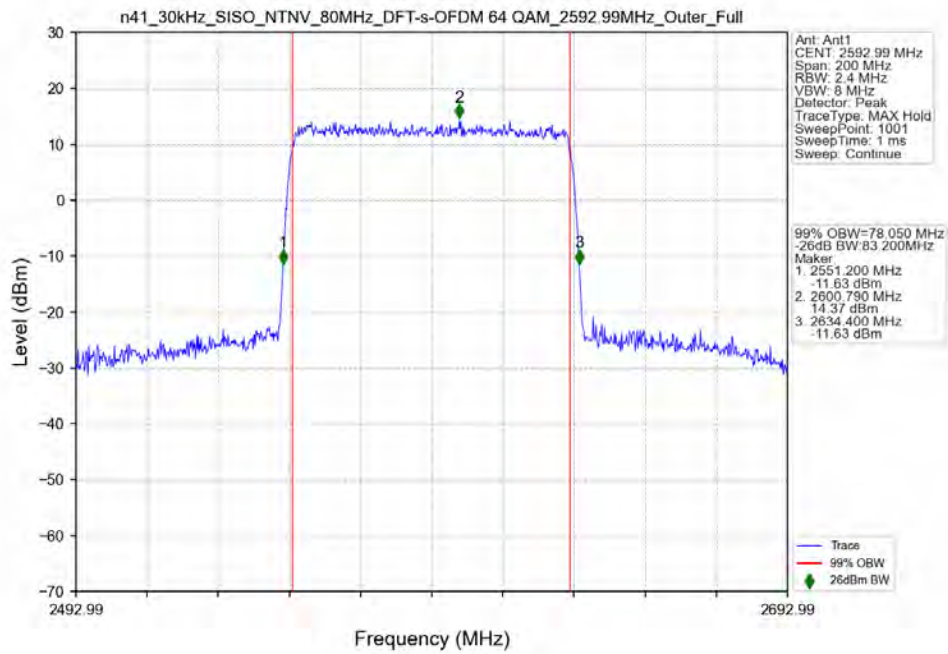
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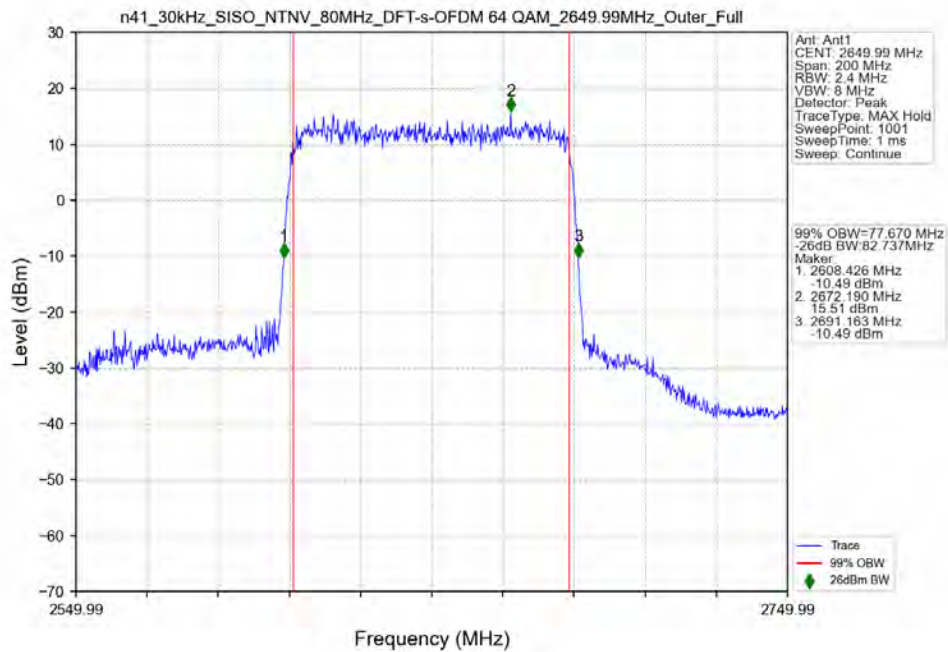
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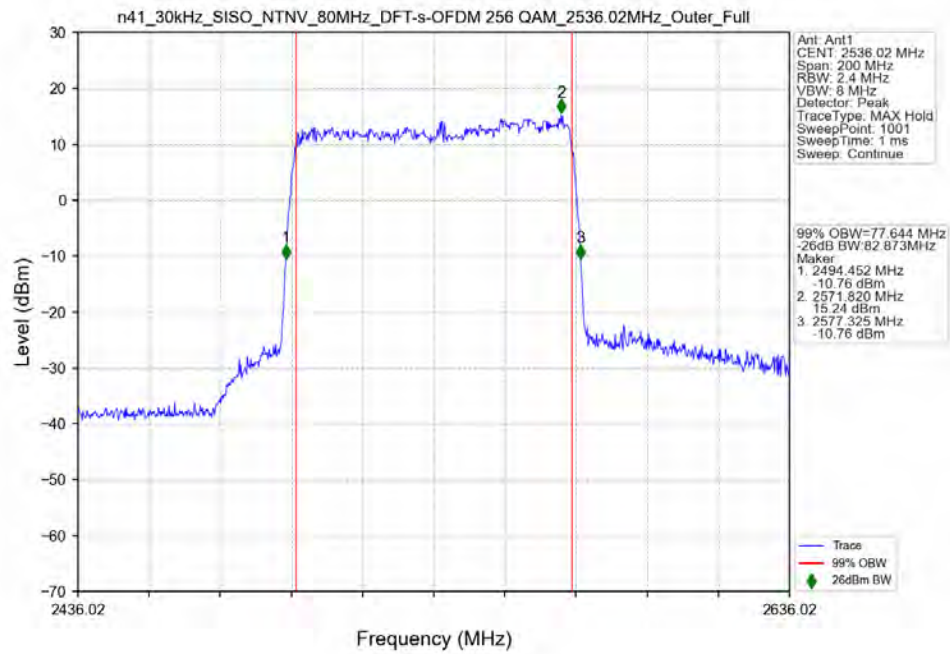
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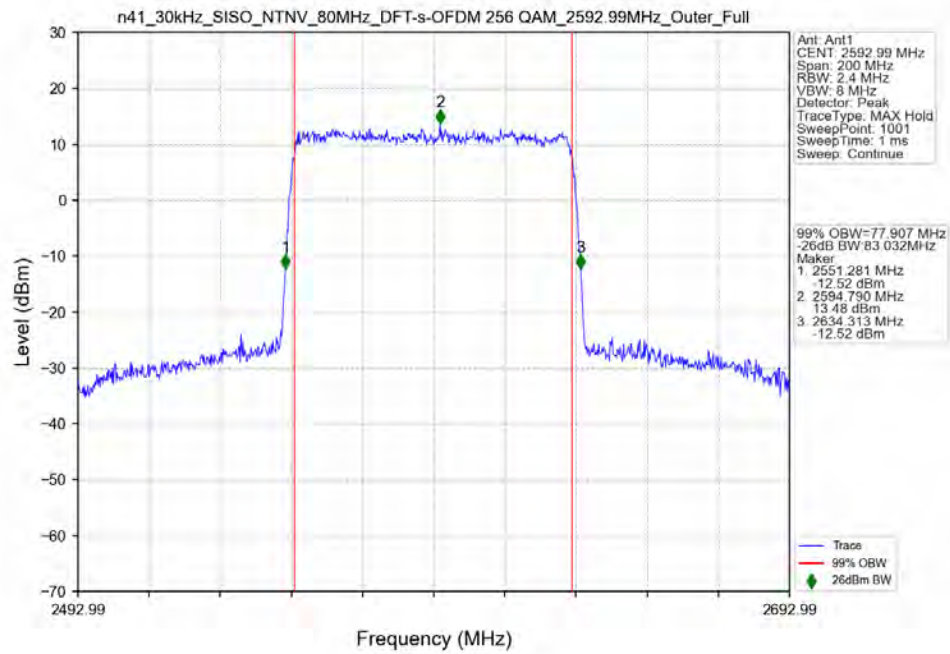
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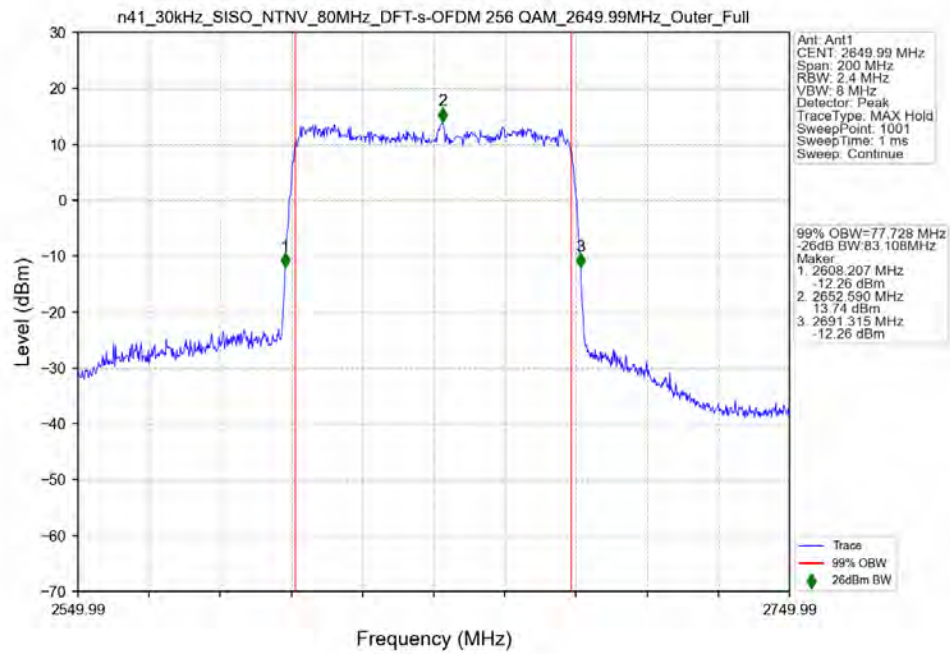
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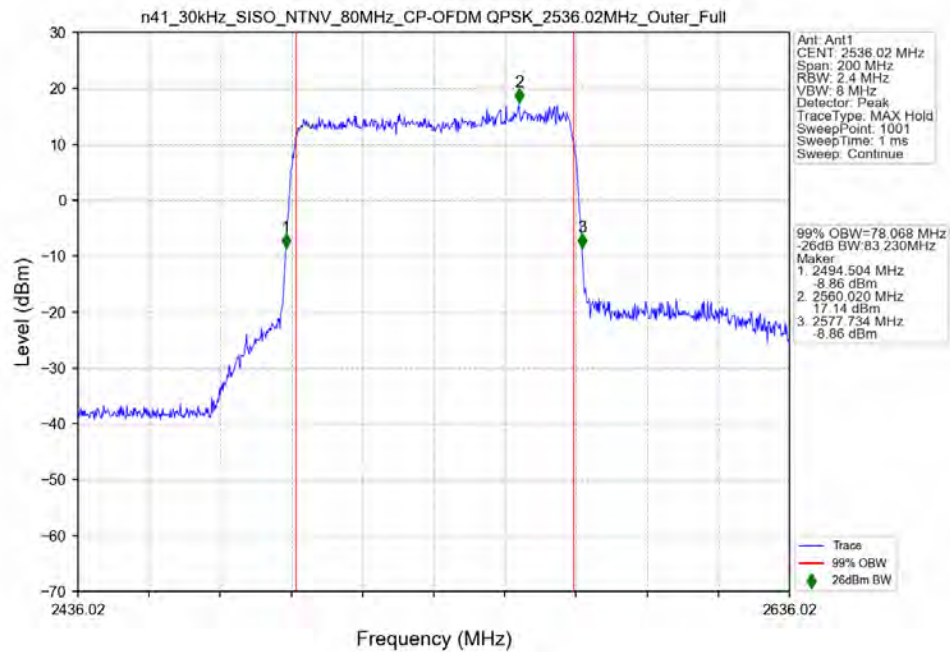
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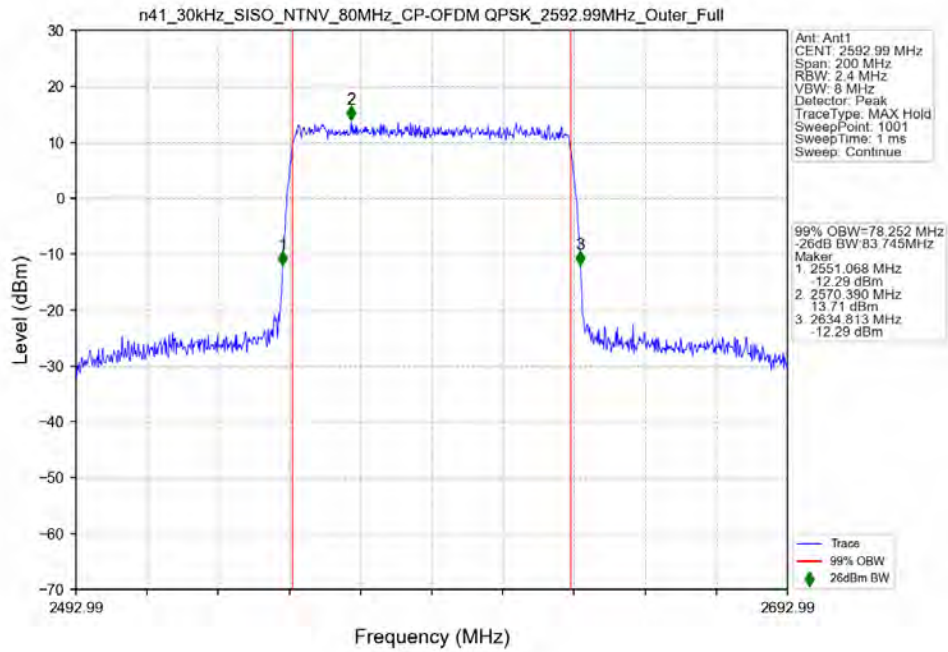
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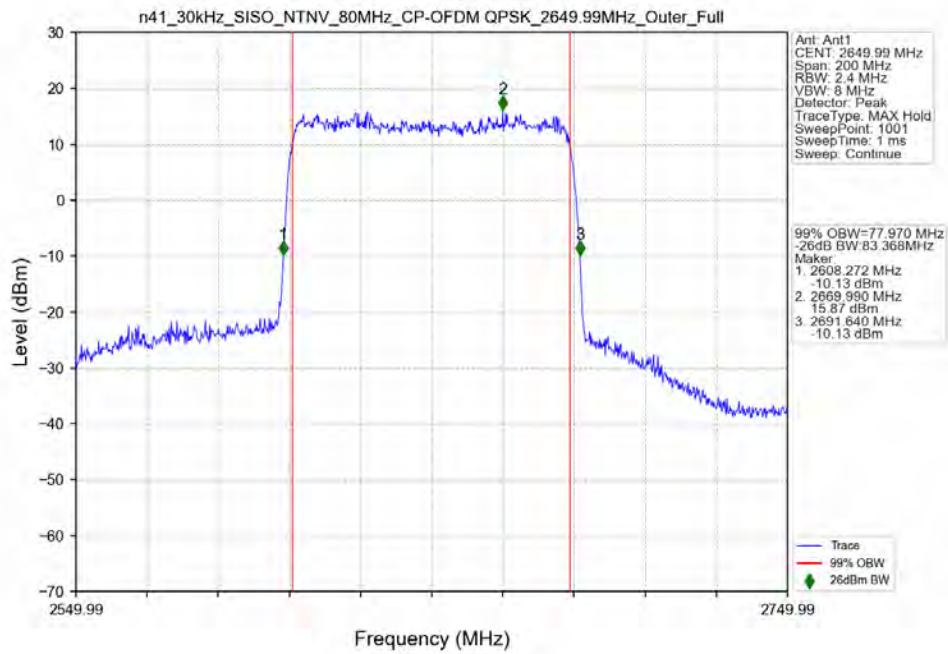
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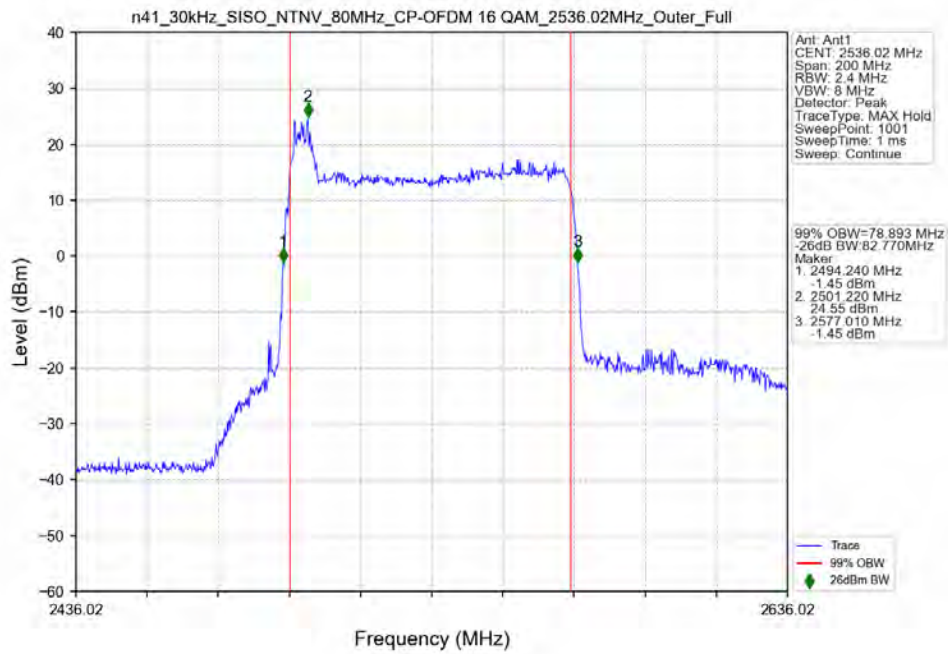
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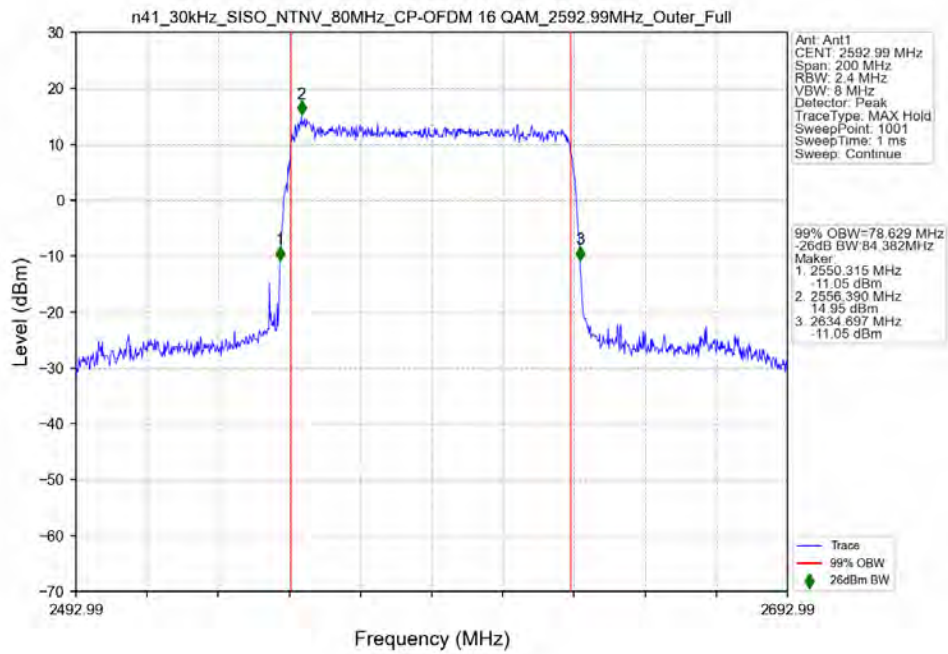
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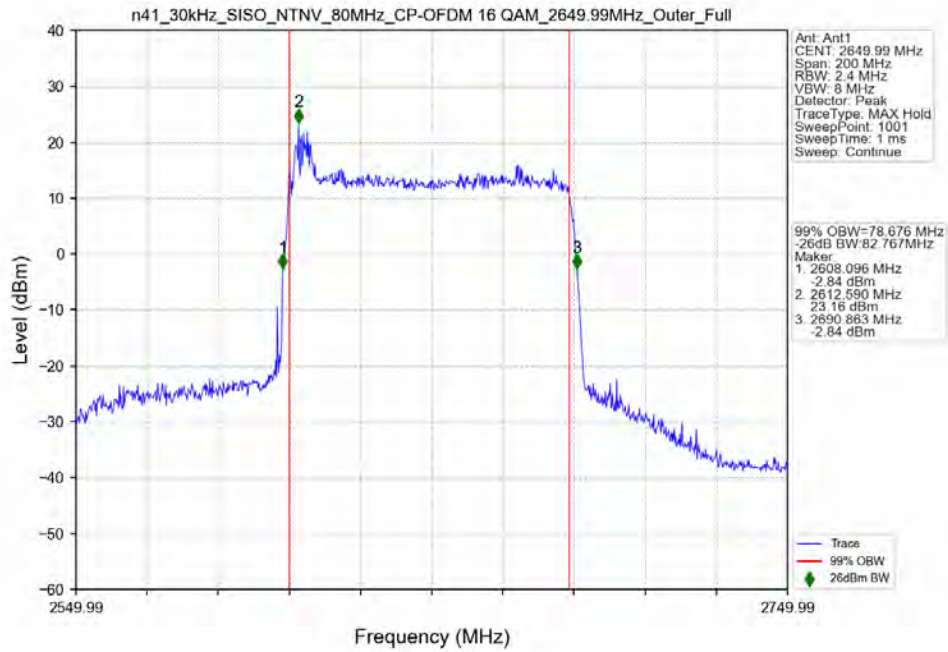
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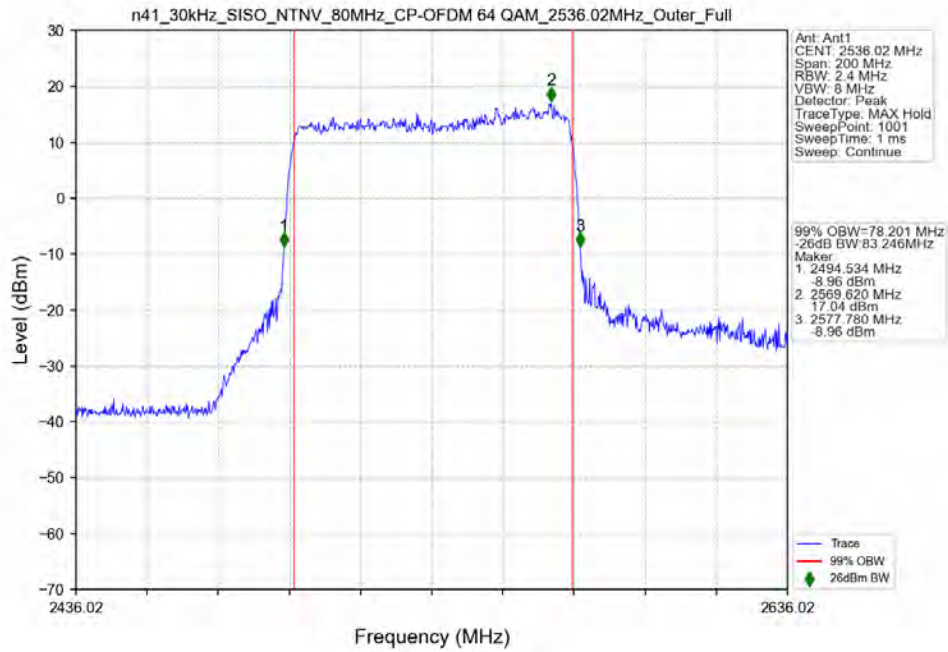
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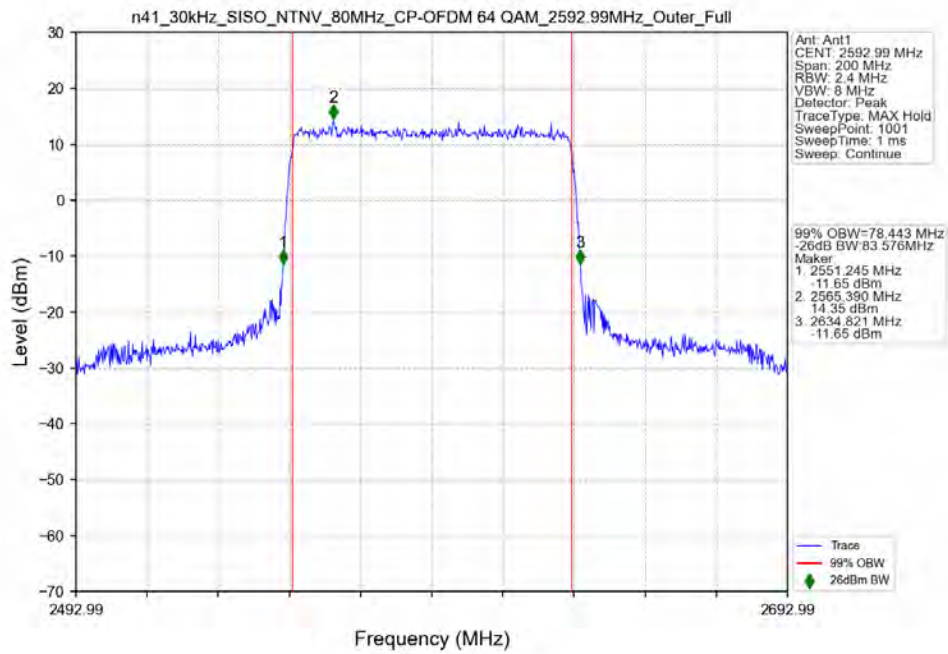
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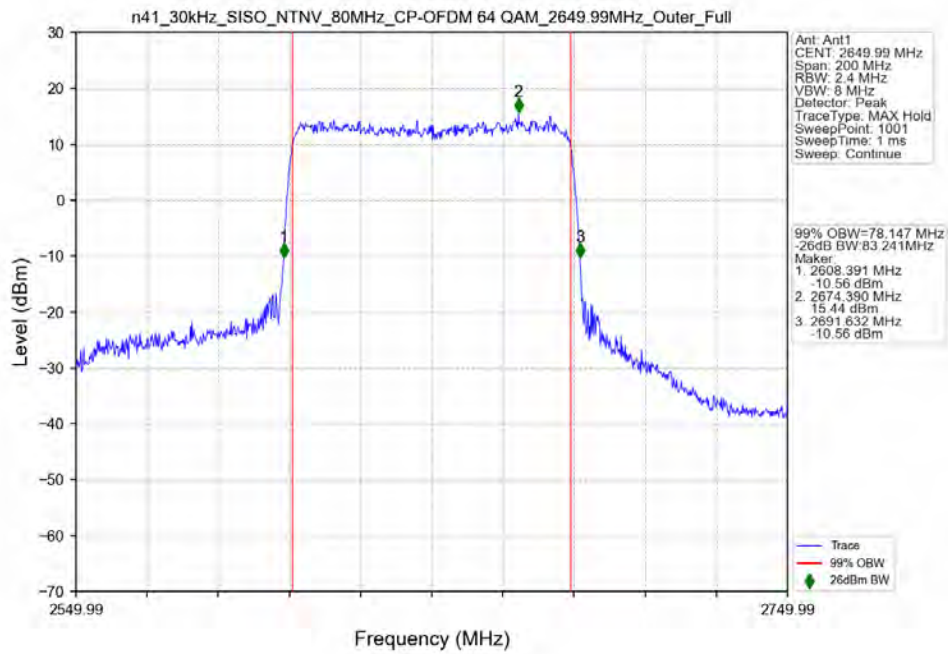
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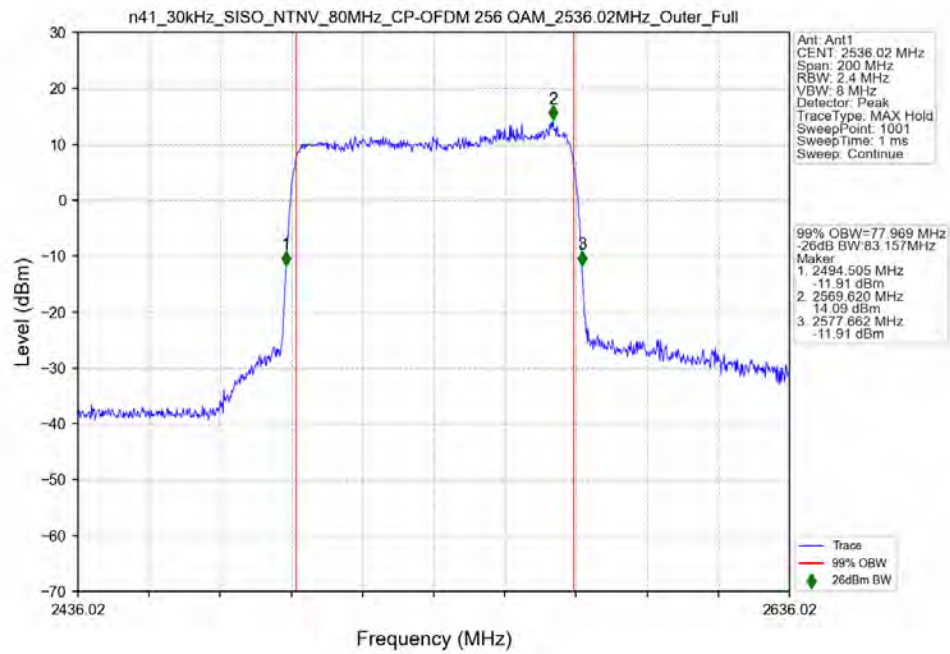
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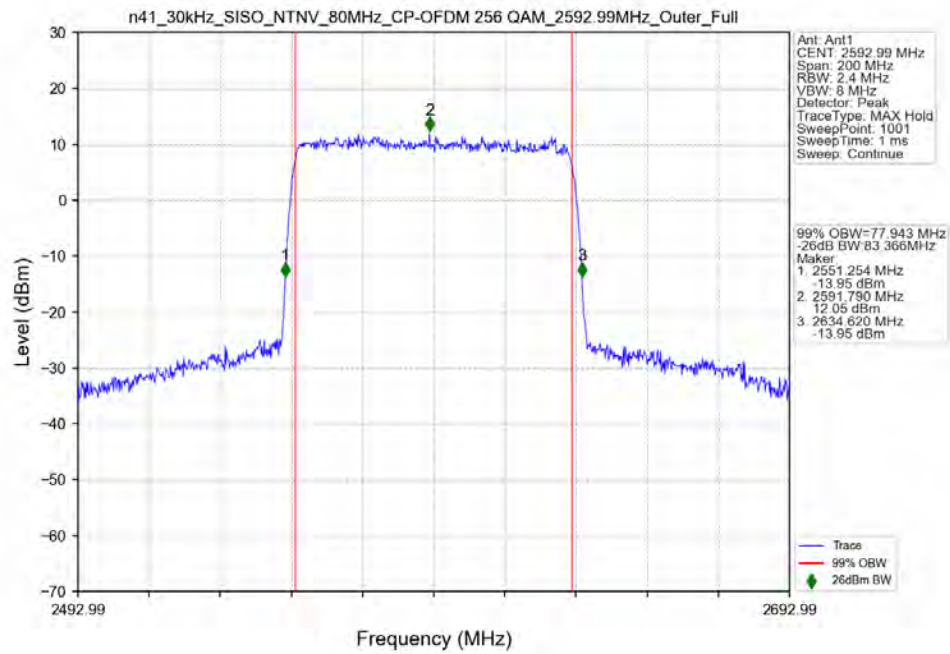
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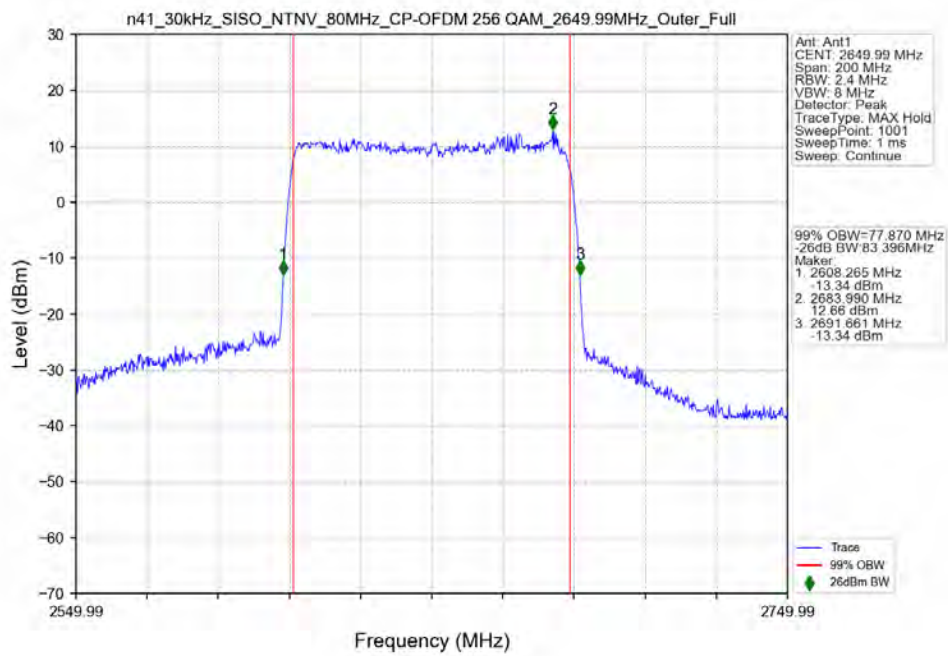


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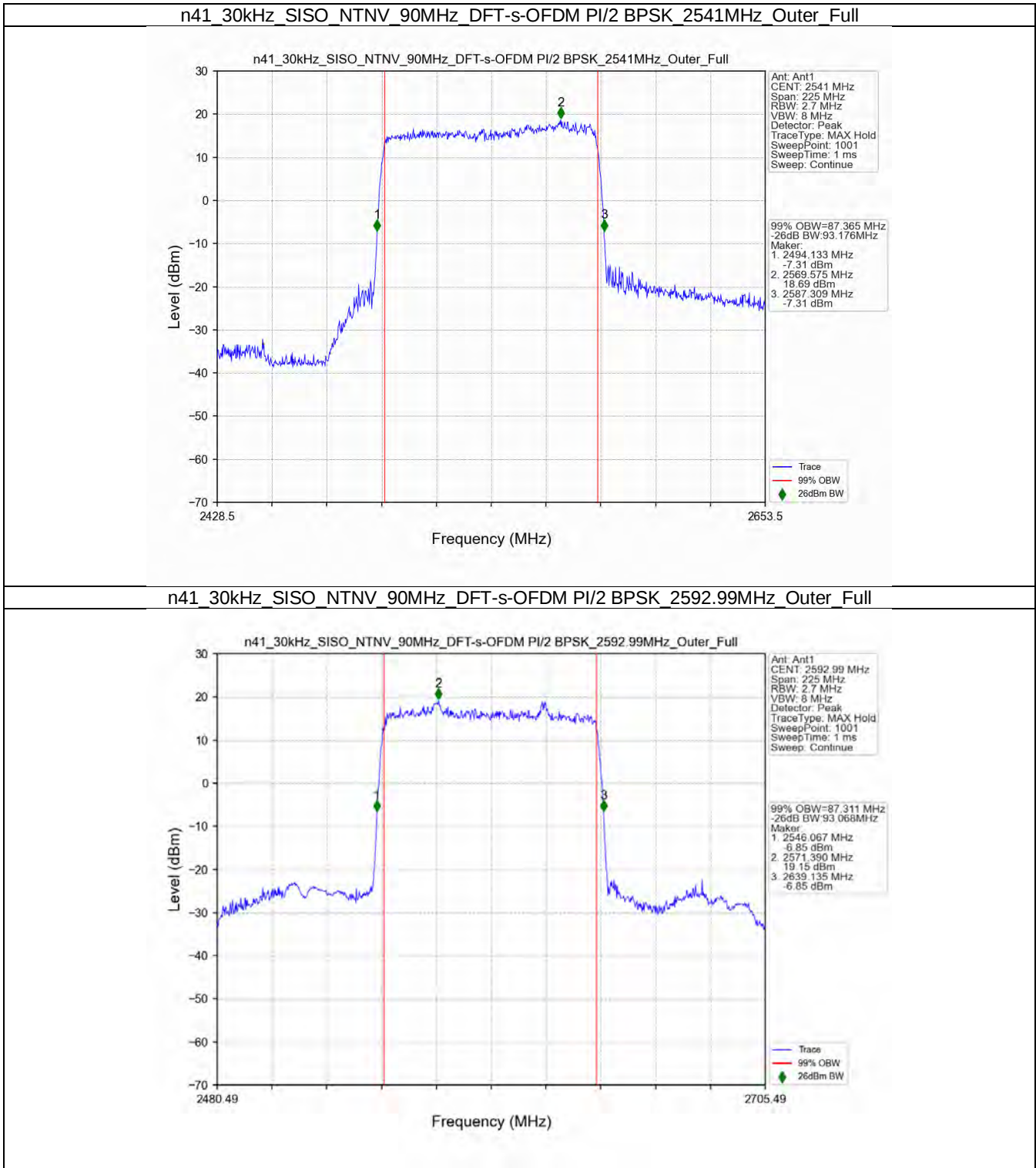


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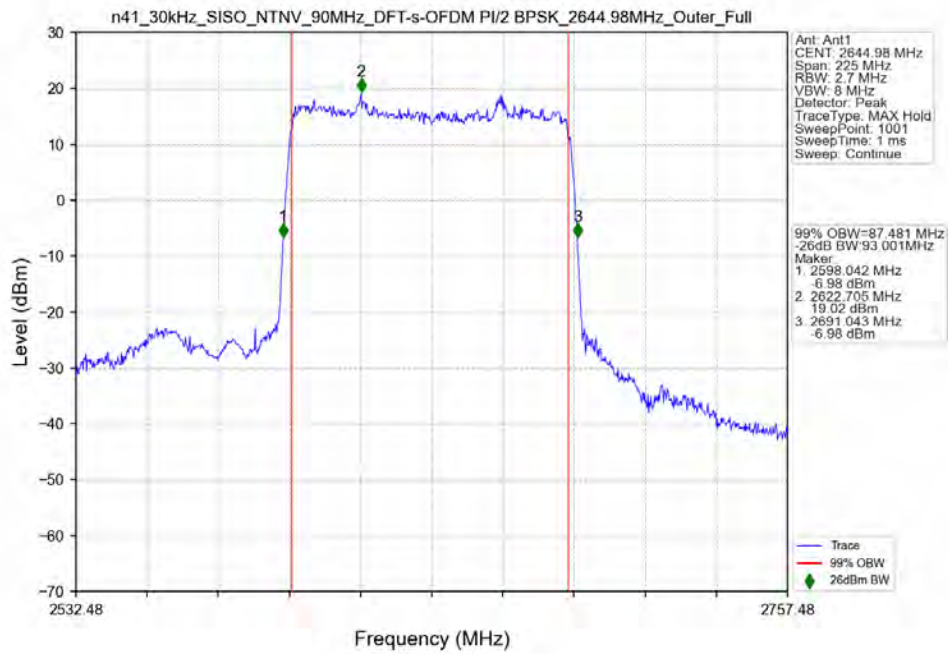




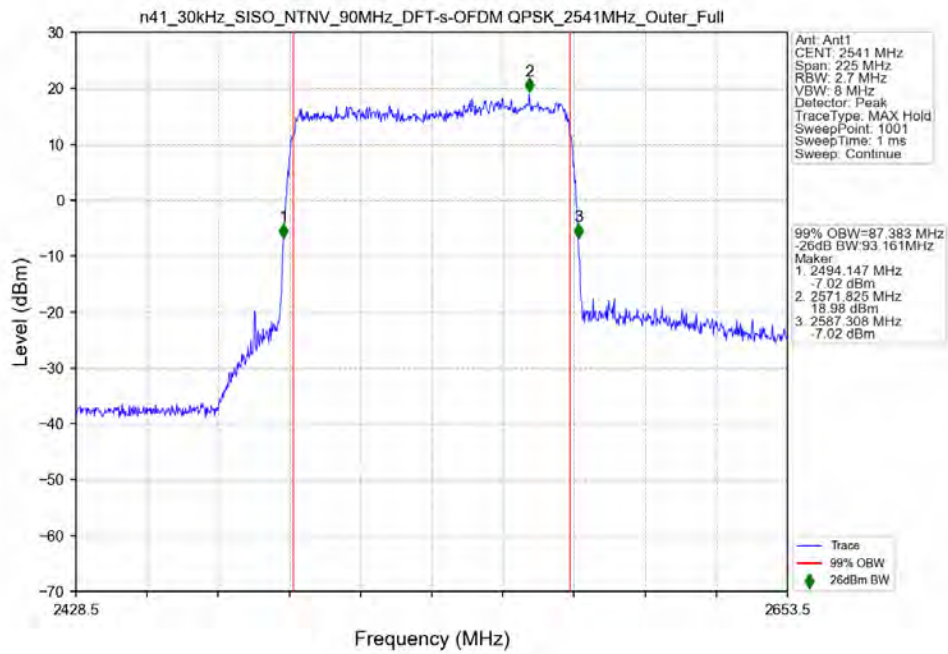
3.2.7 30k_SISO_90MHz_NTNV



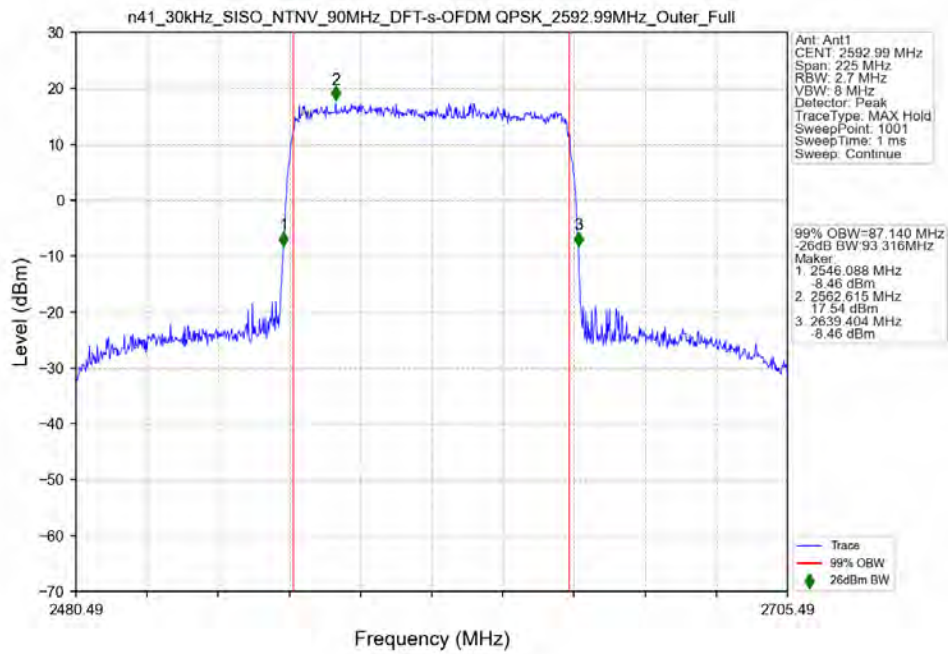
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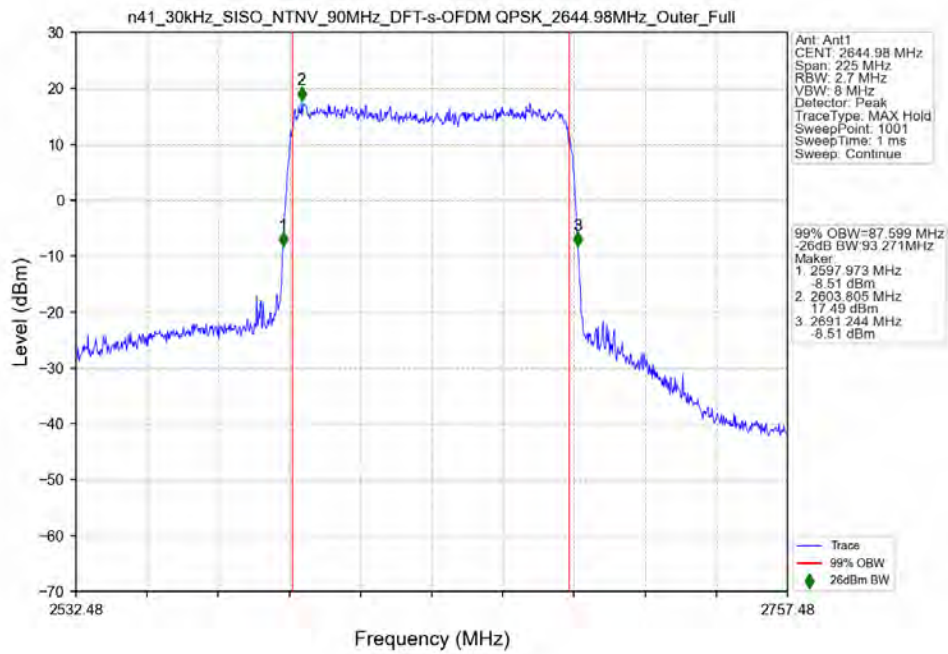
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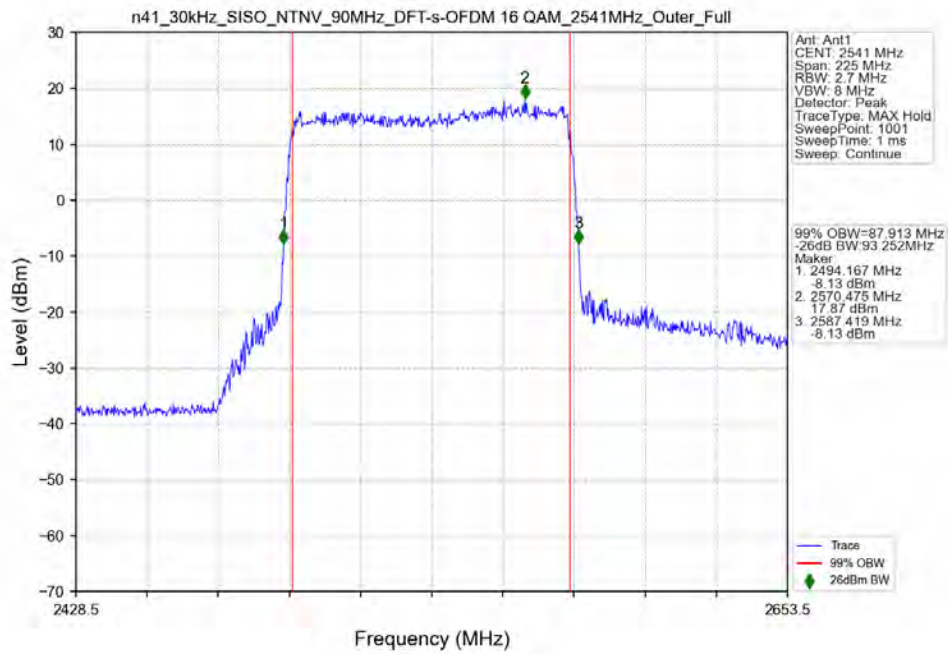
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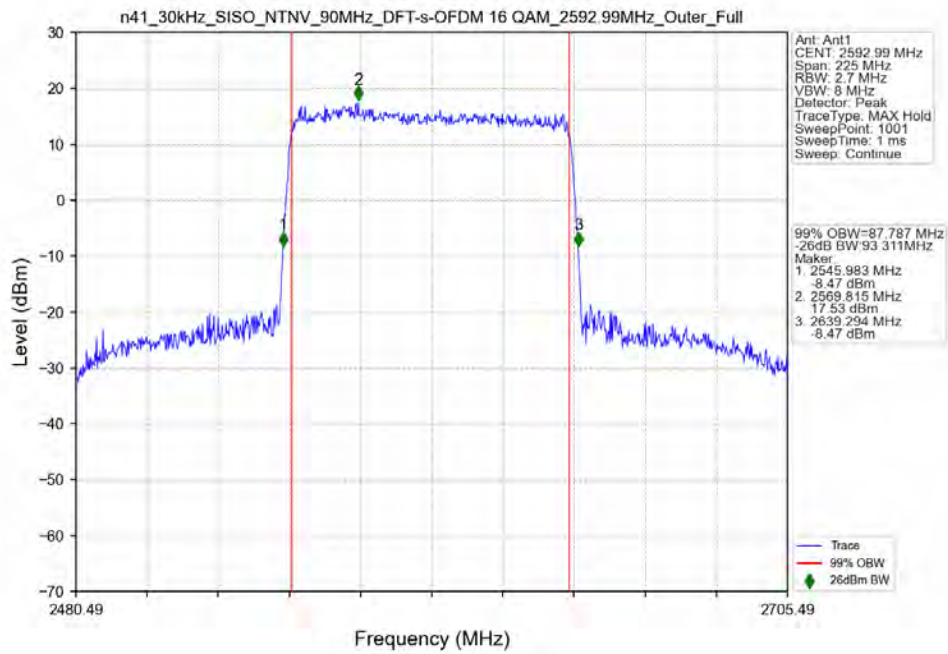
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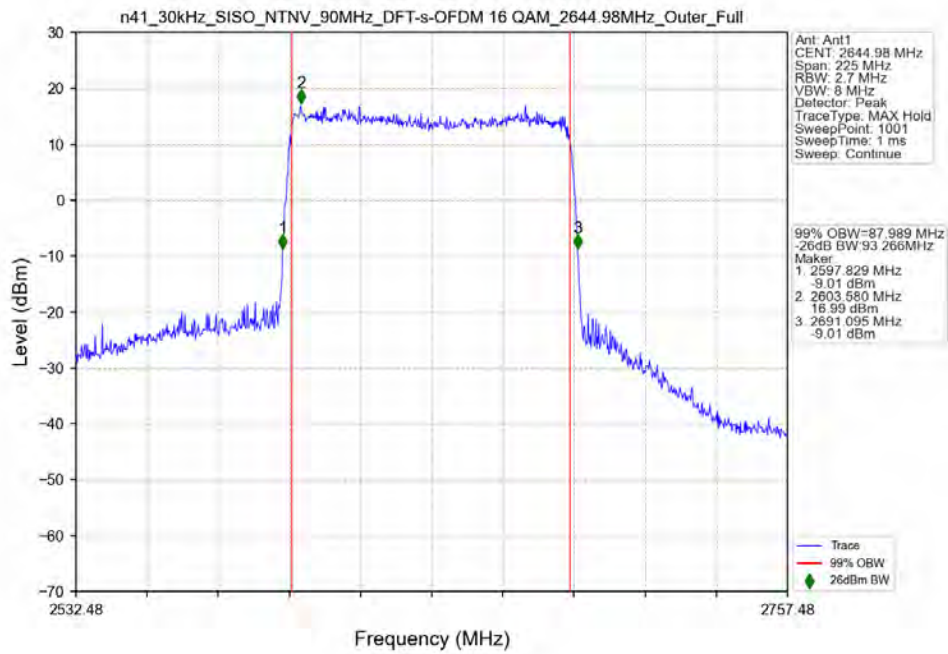
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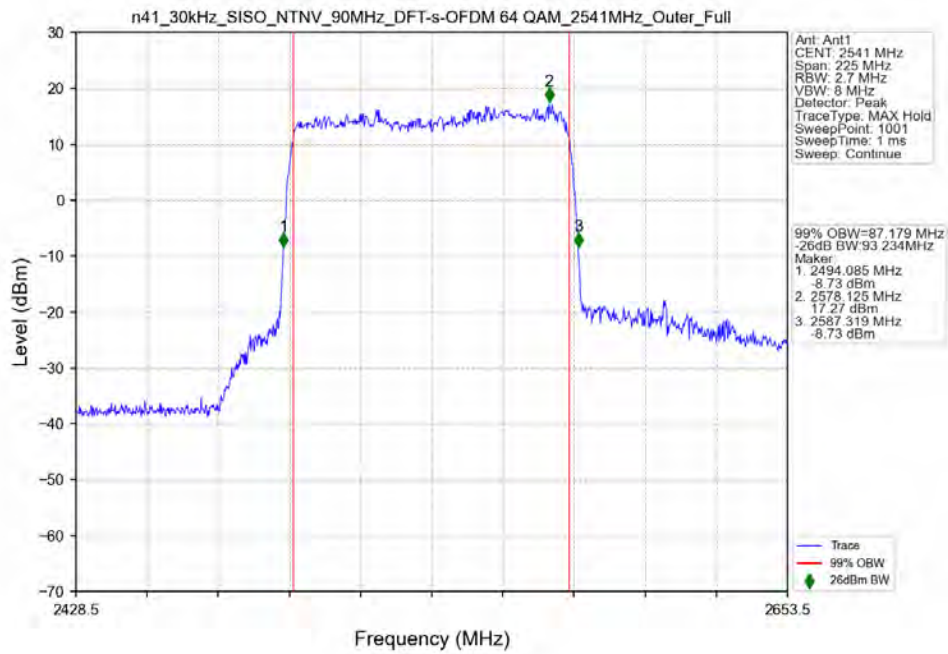
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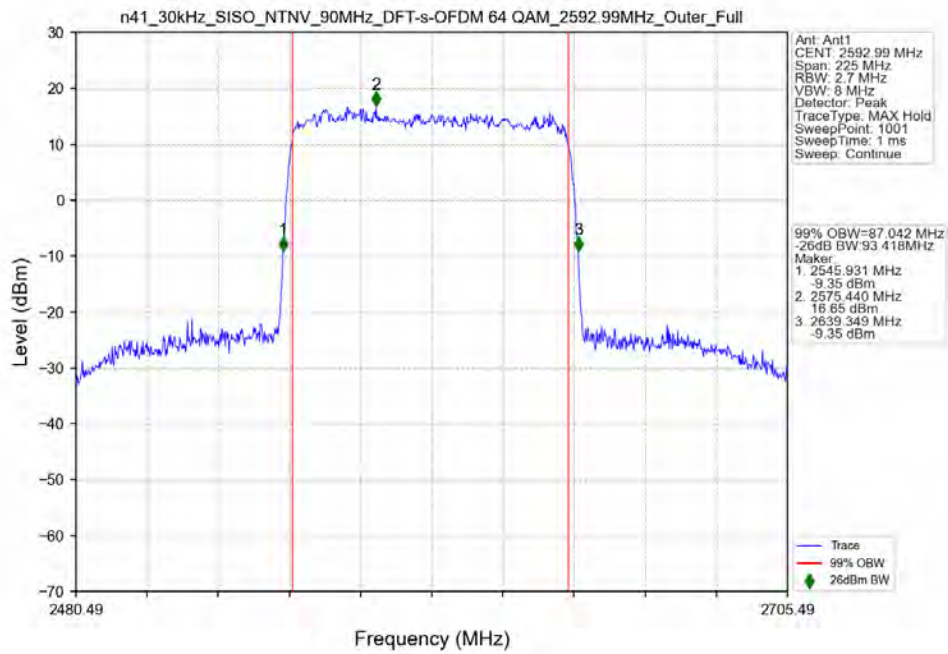
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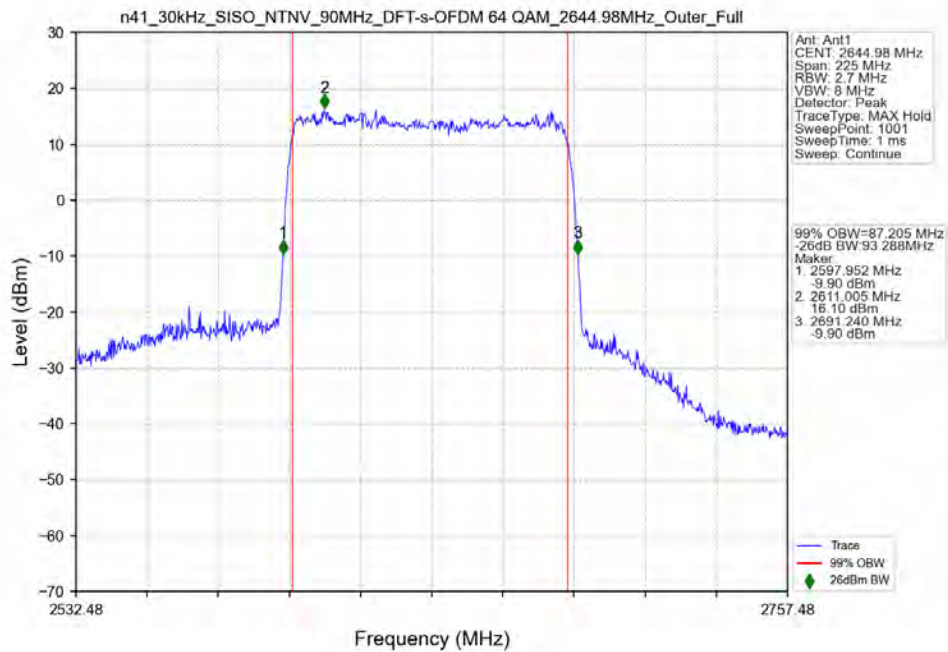
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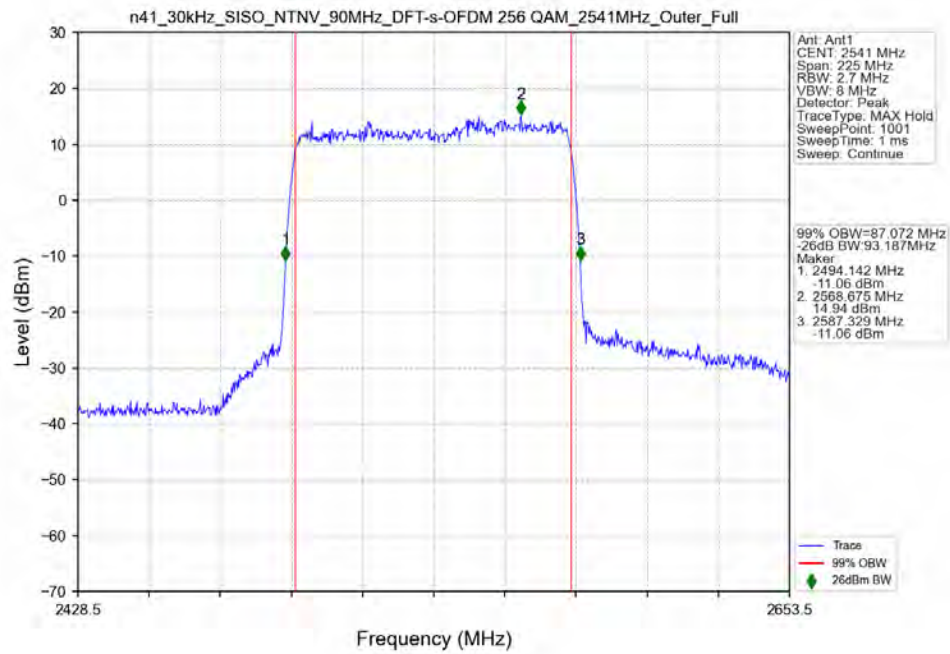
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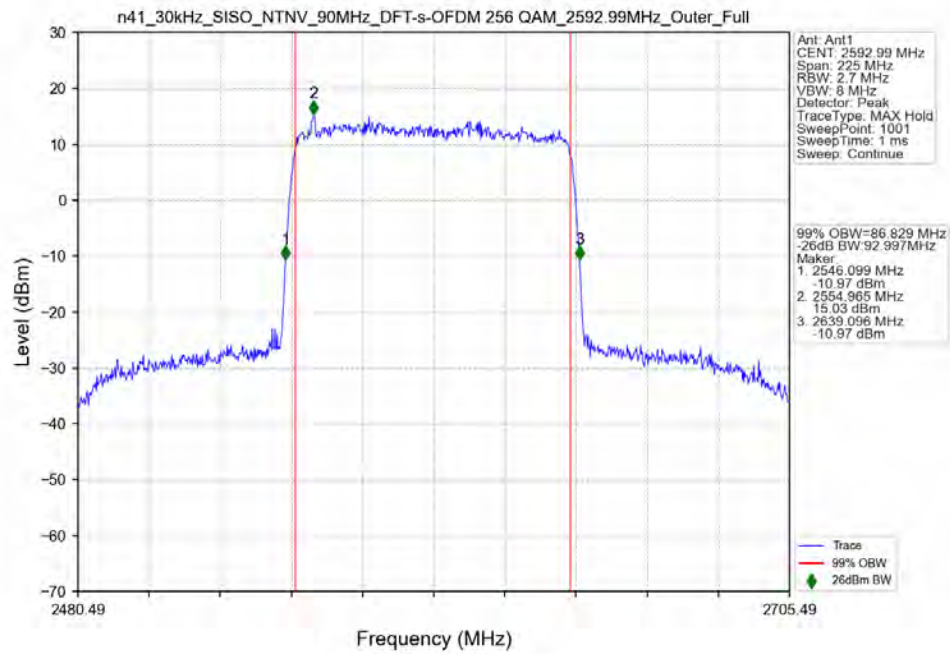
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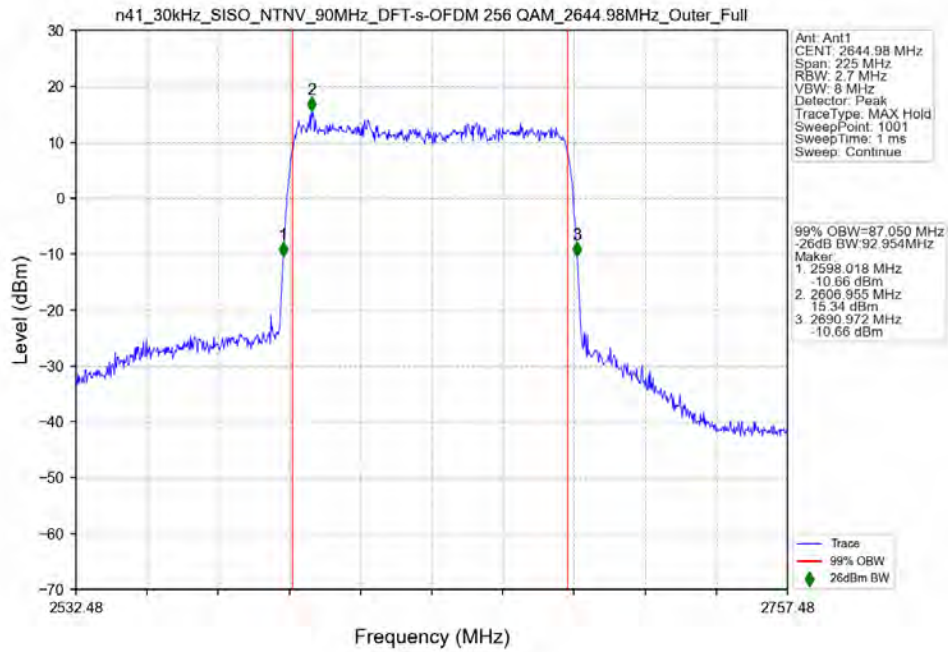
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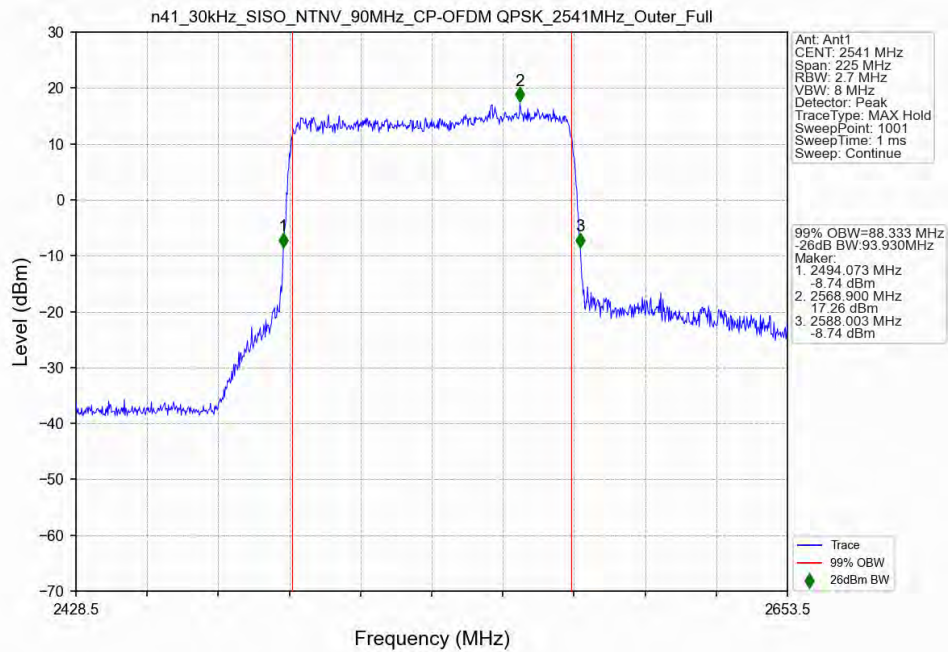
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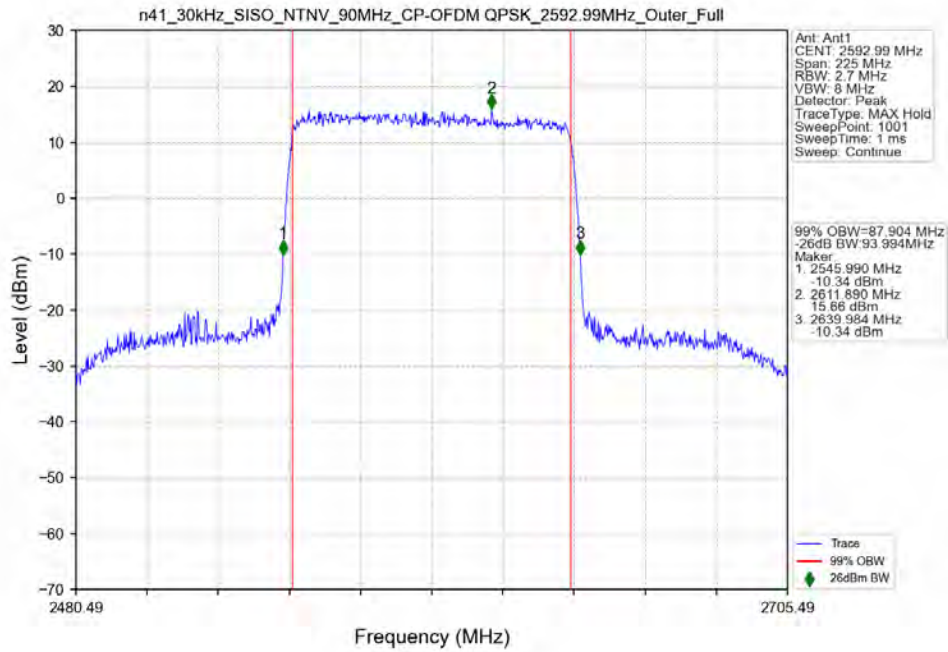
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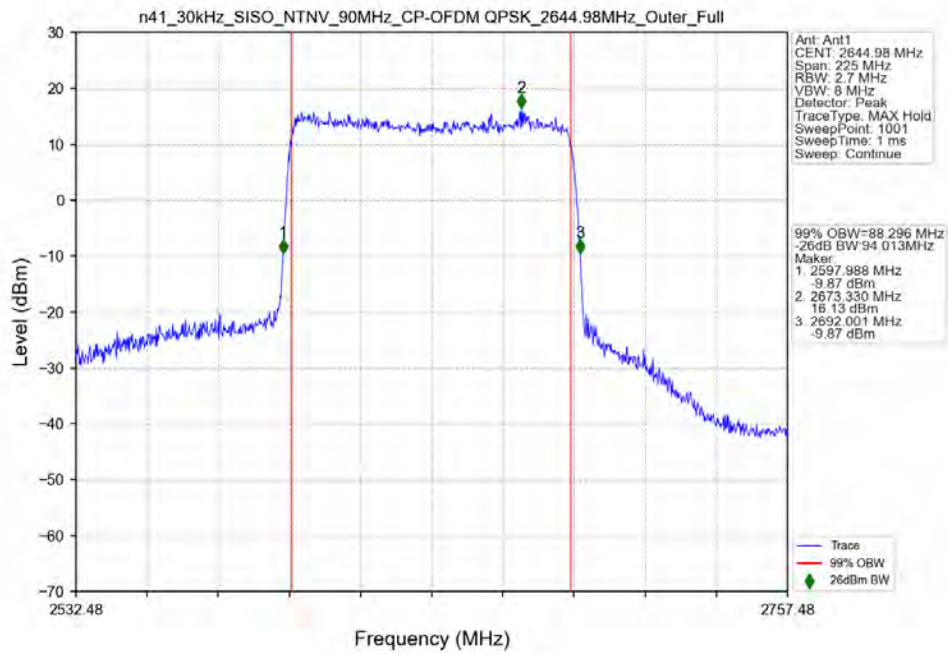
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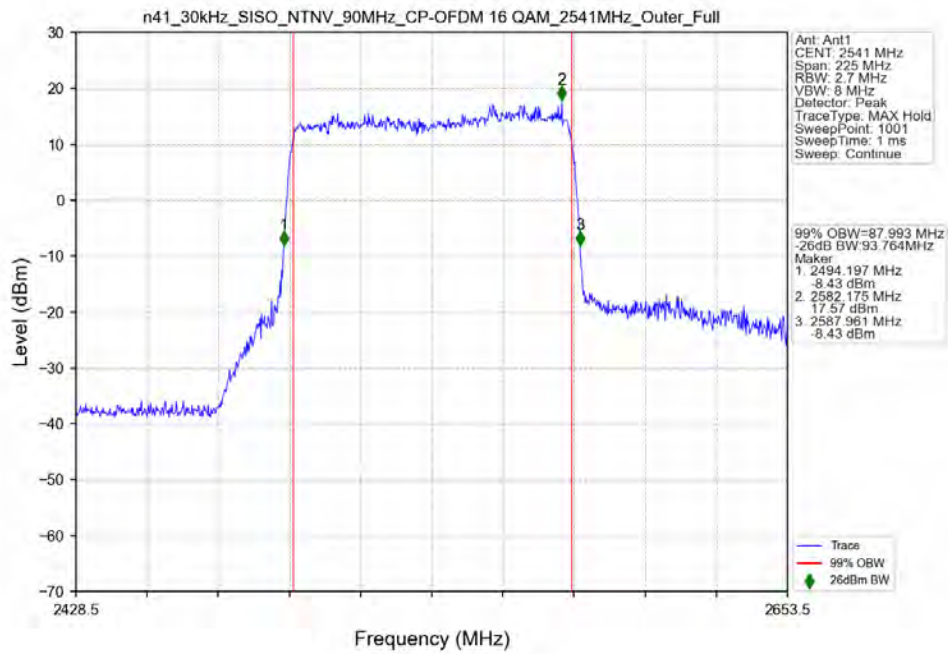
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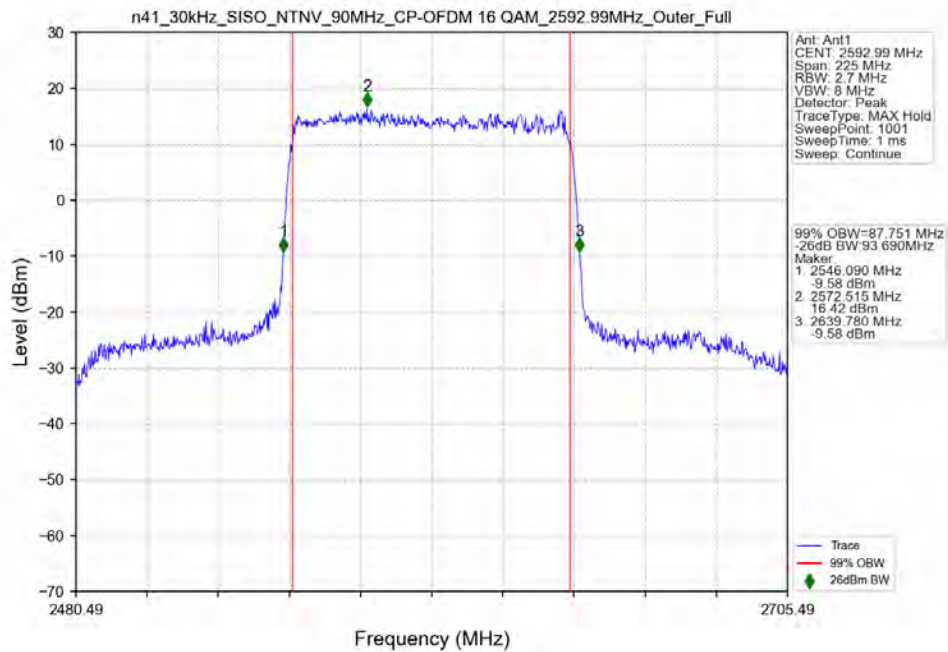
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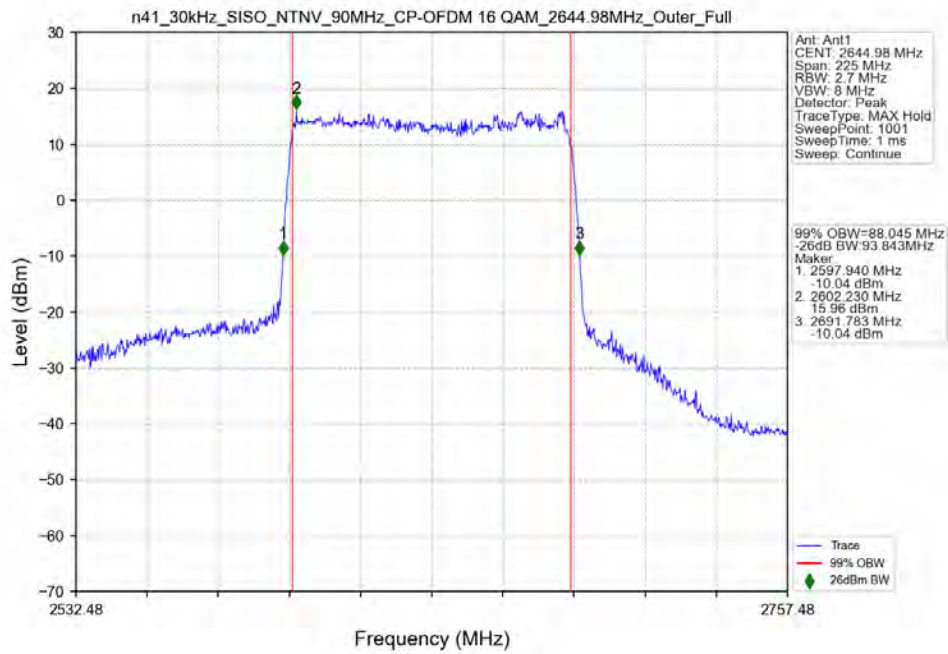
n41_30kHz_SISO_NTNV_90MHz_CP-OFDM_16_QAM_2541MHz_Outer_Full



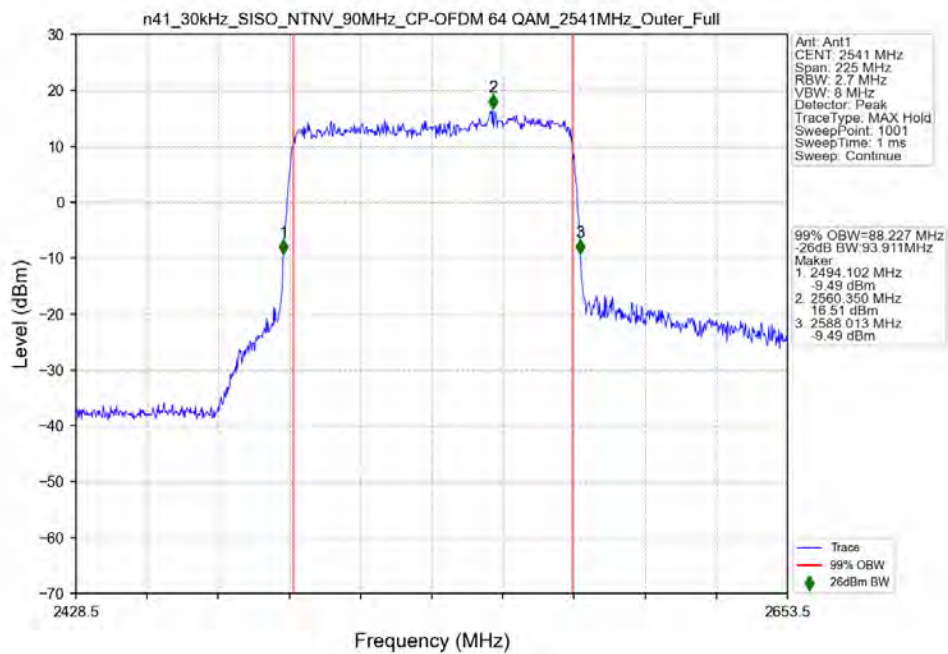
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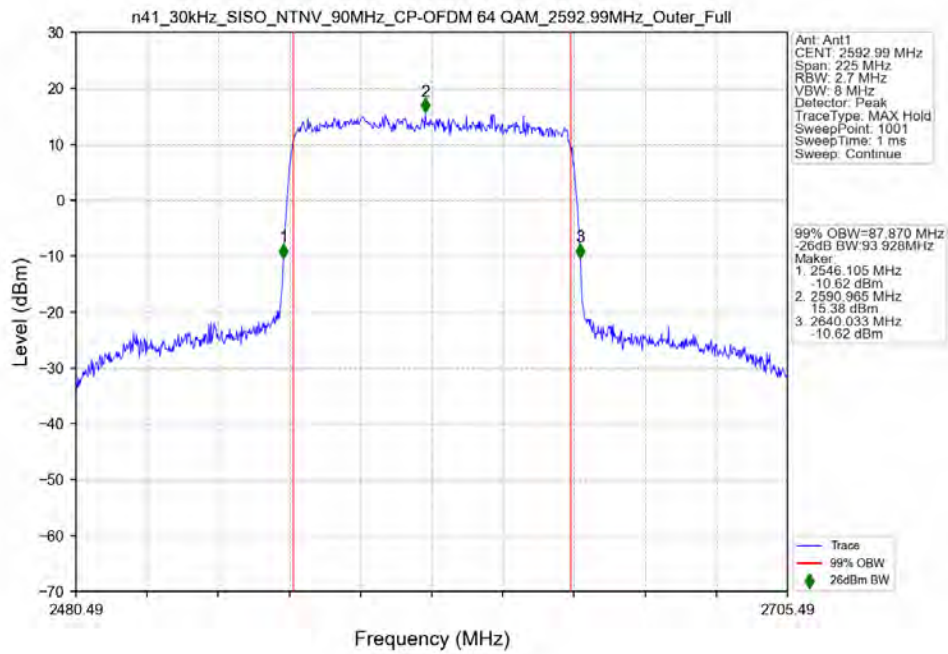
n41_30kHz_SISO_NTNV_90MHz_CP-OFDM 16 QAM 2644.98MHz_Outer_Full



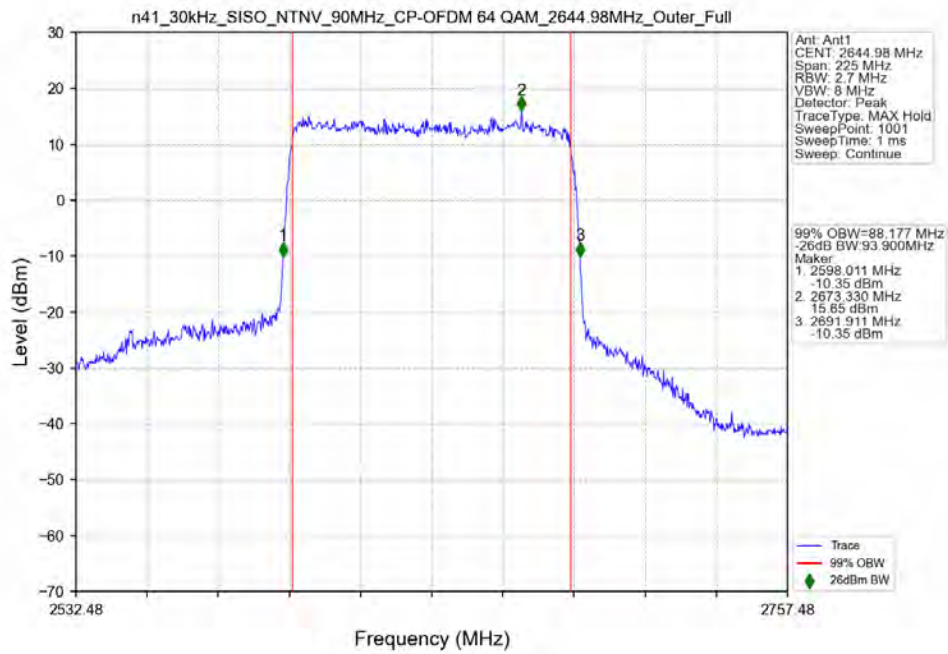
n41_30kHz_SISO_NTNV_90MHz_CP-OFDM 64 QAM 2541MHz_Outer_Full



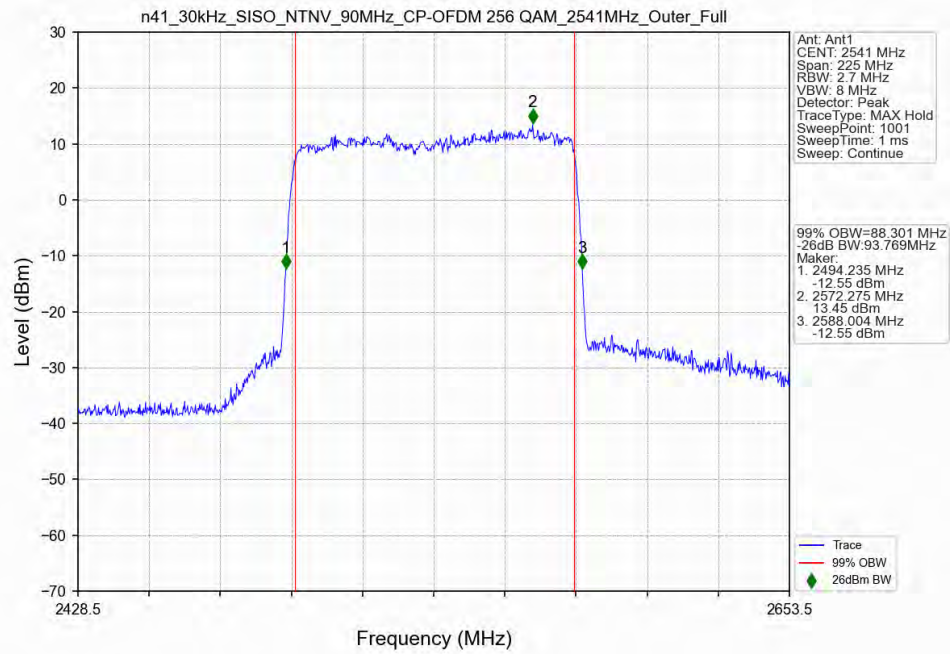
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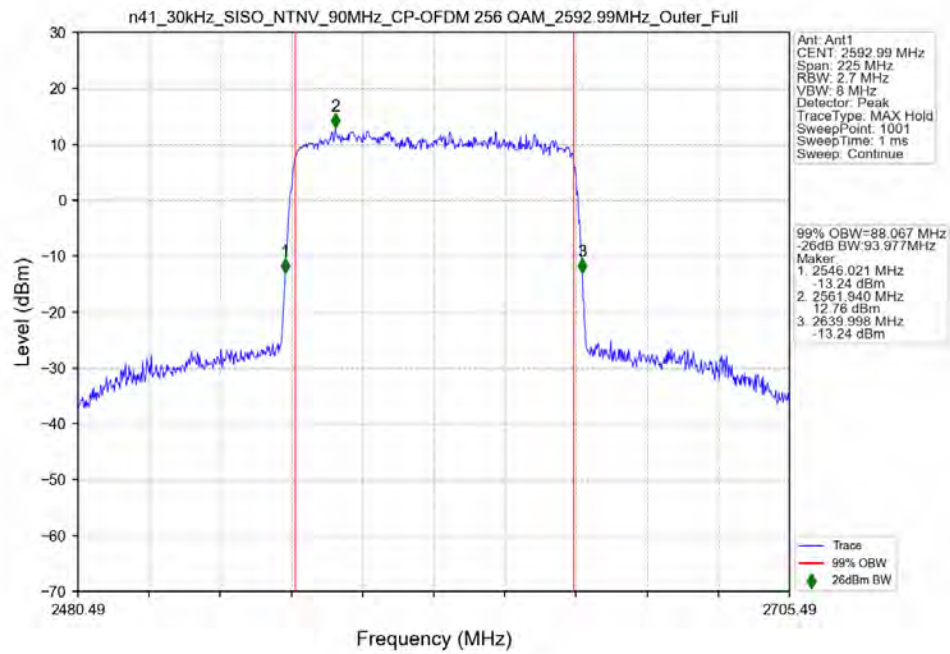
n41_30kHz_SISO_NTNV_90MHz_CP-OFDM_64_QAM_2644.98MHz_Outer_Full



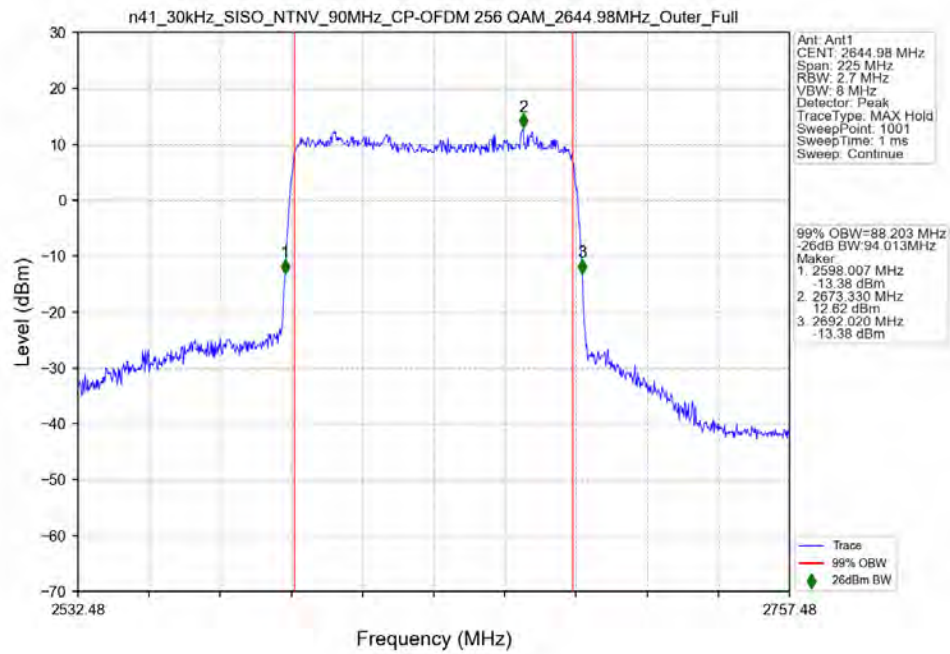
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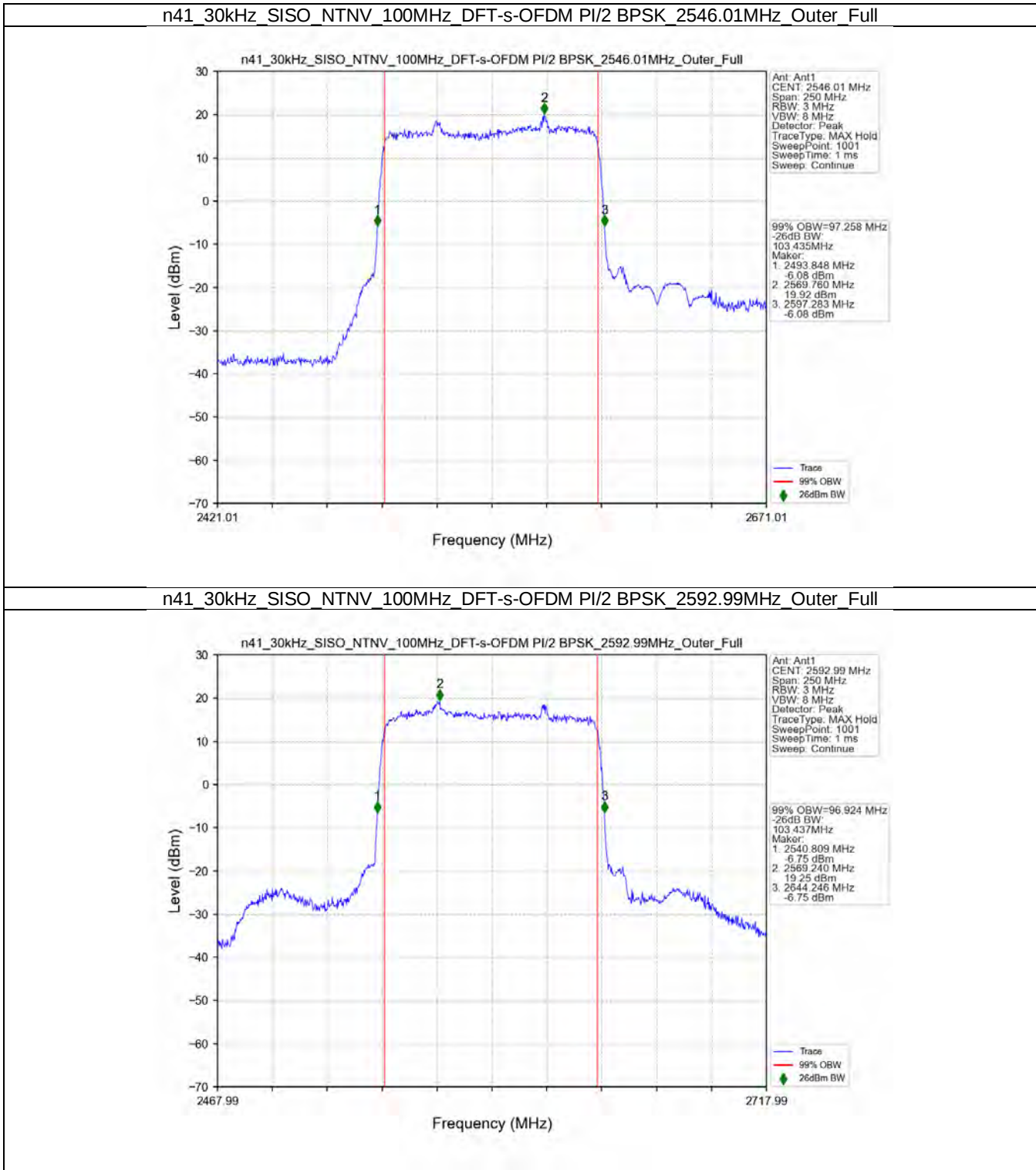
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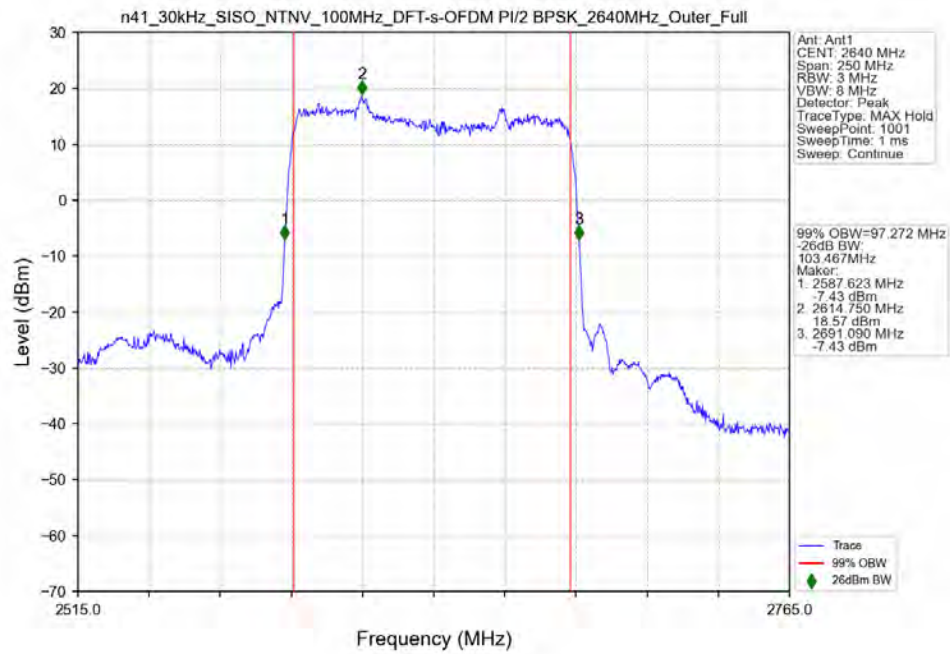
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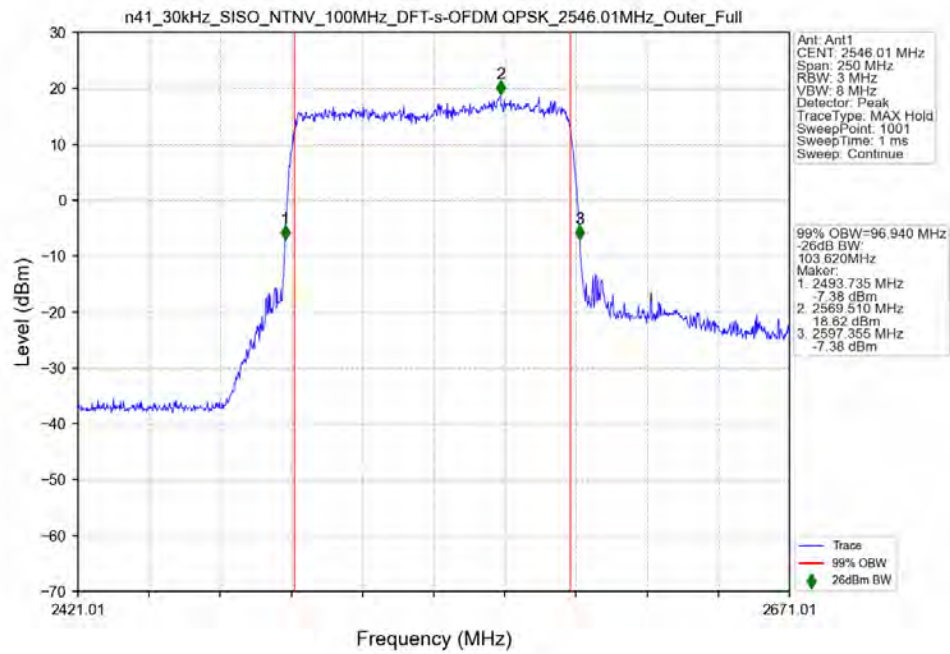
3.2.8 30k_SISO_100MHz_NTNV



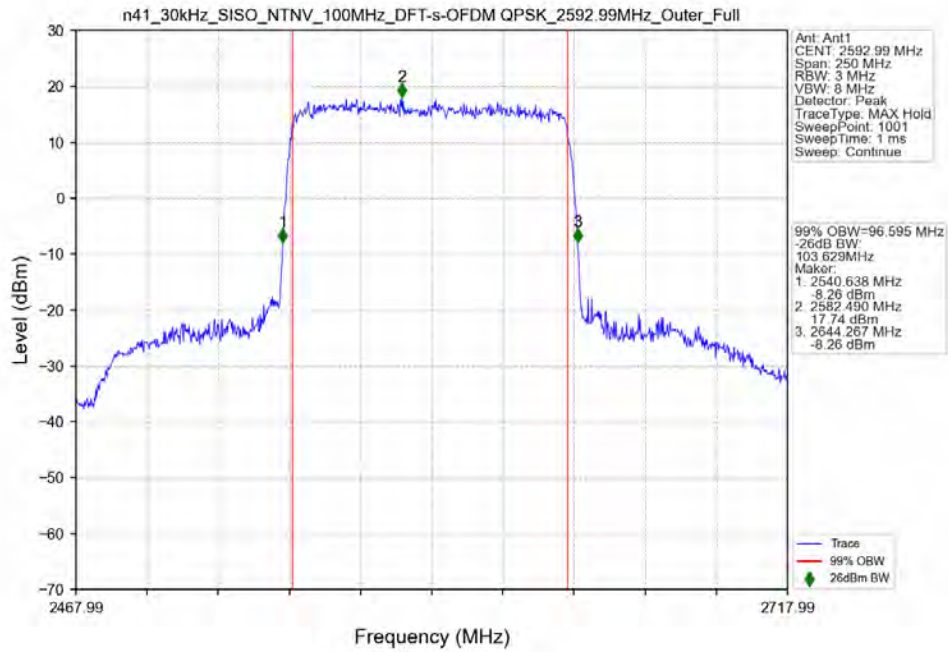
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_2640MHz_Outer_Full



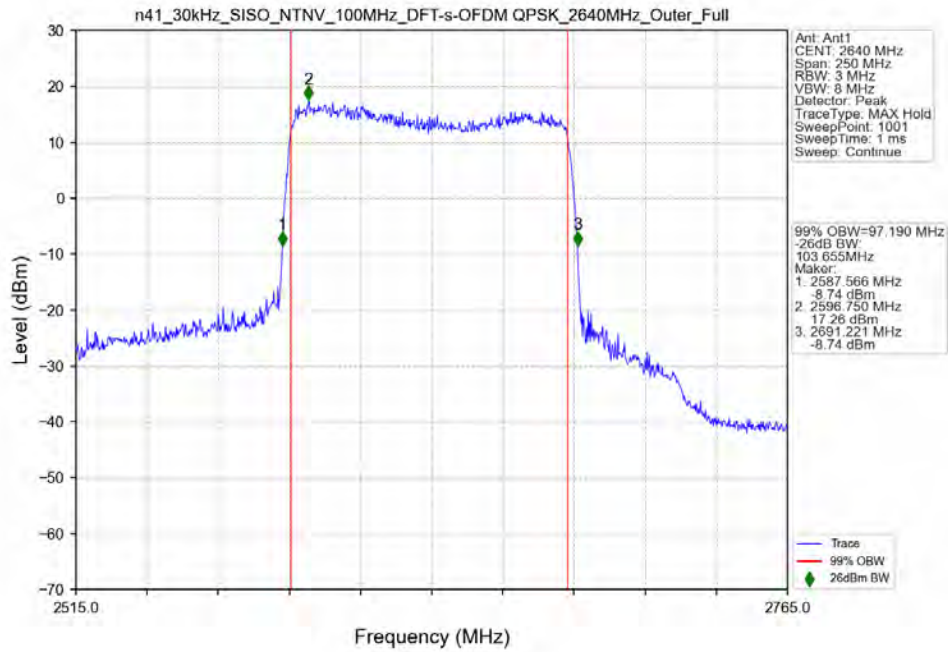
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_2546.01MHz_Outer_Full



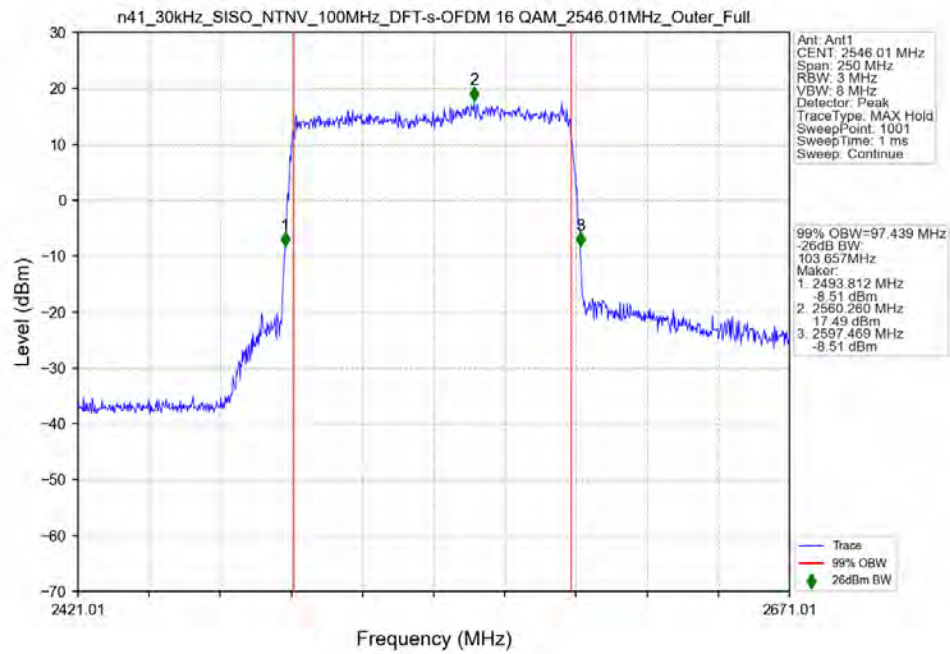
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_2592.99MHz_Outer_Full



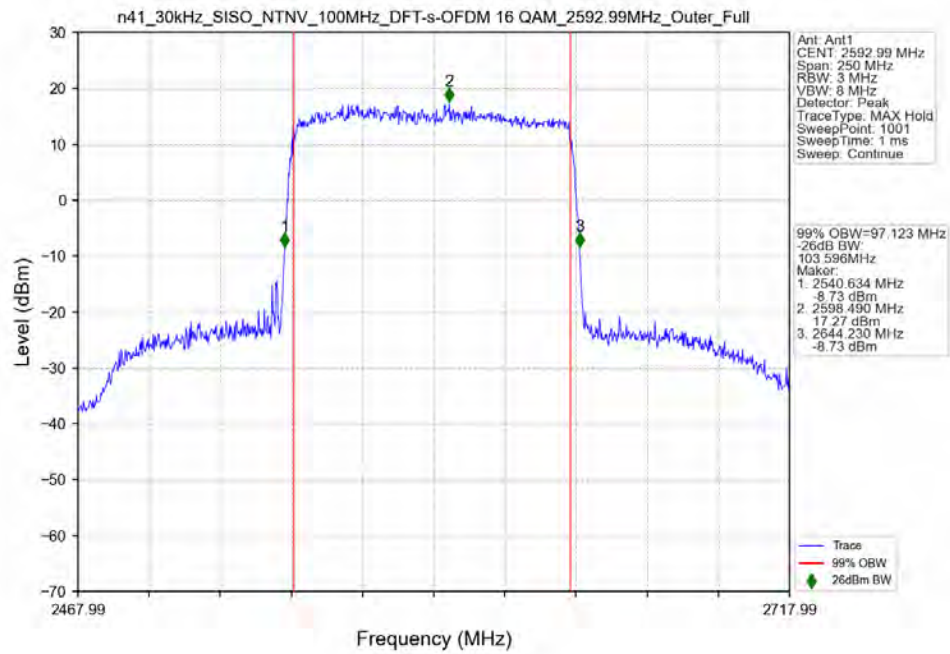
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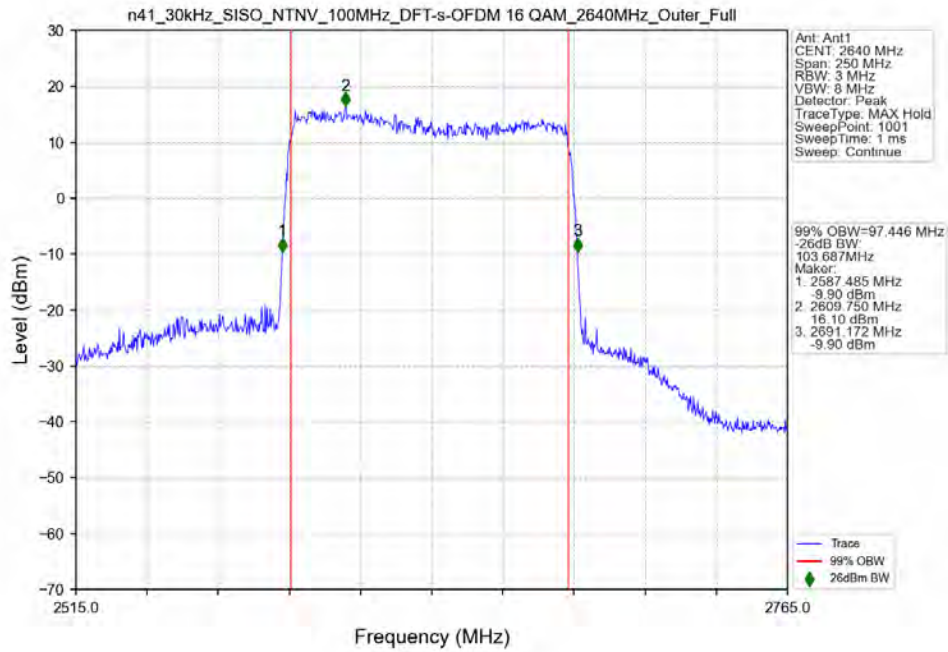
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_2546.01MHz_Outer_Full



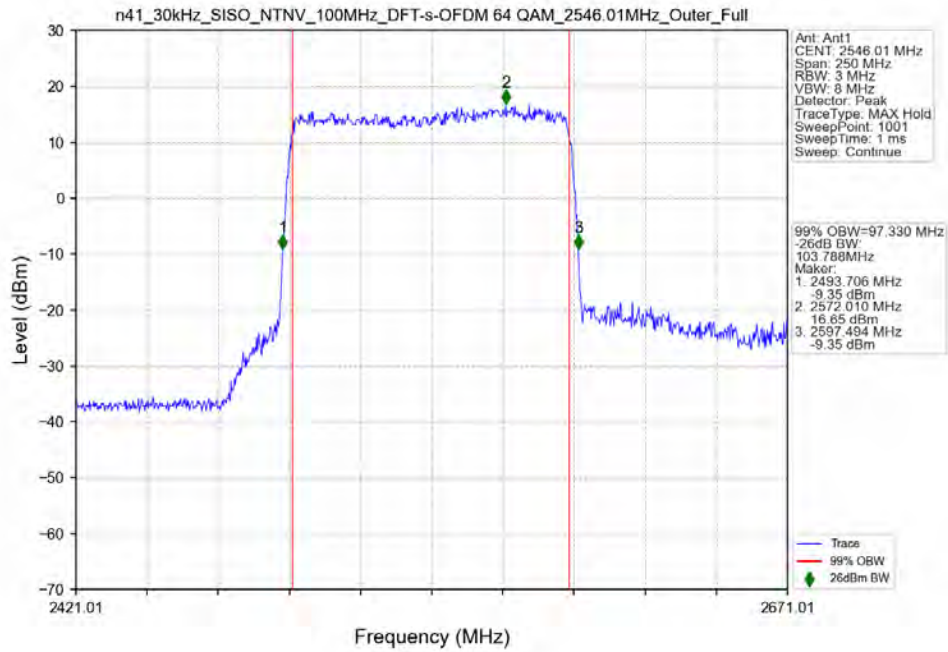
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_2592.99MHz_Outer_Full



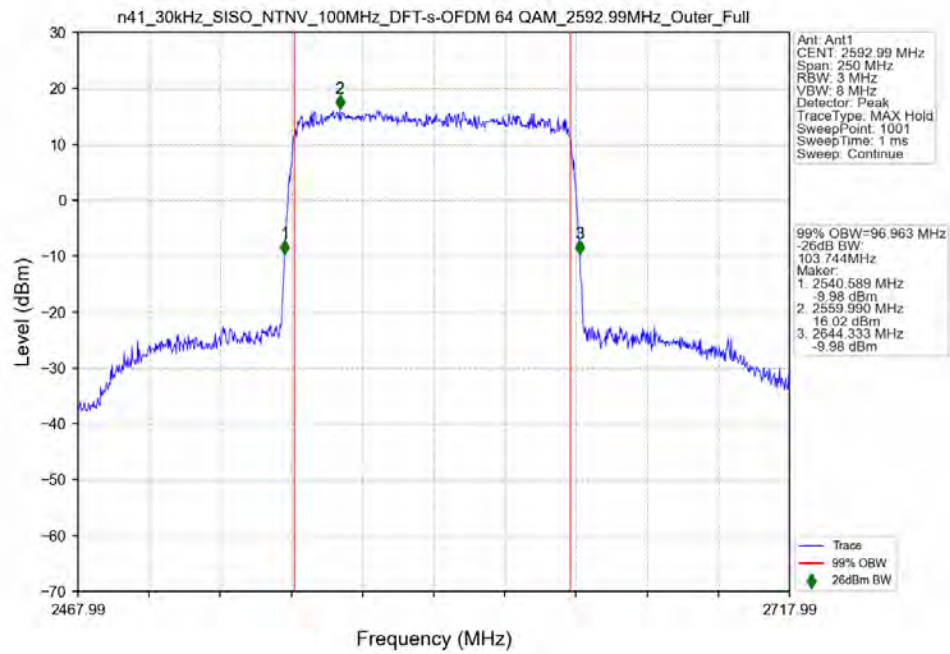
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_2640MHz_Outer_Full



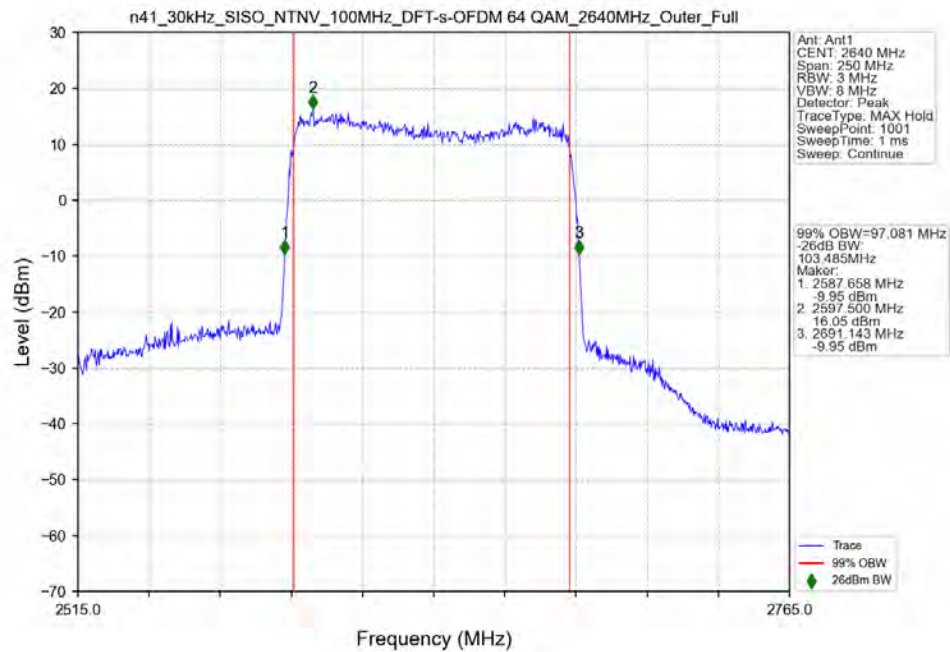
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_2546.01MHz_Outer_Full



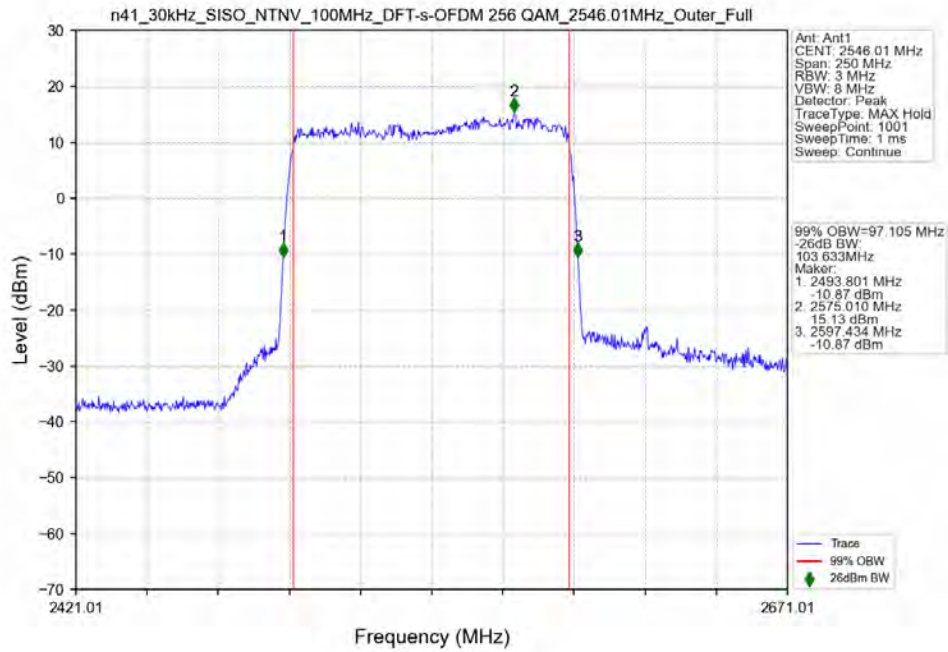
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_2592.99MHz_Outer_Full



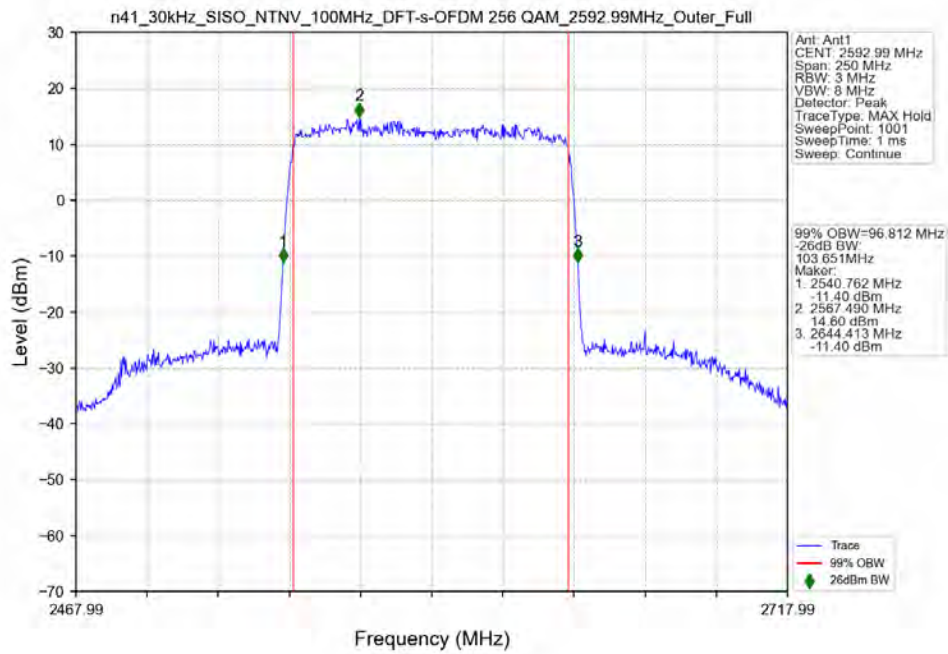
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_2640MHz_Outer_Full



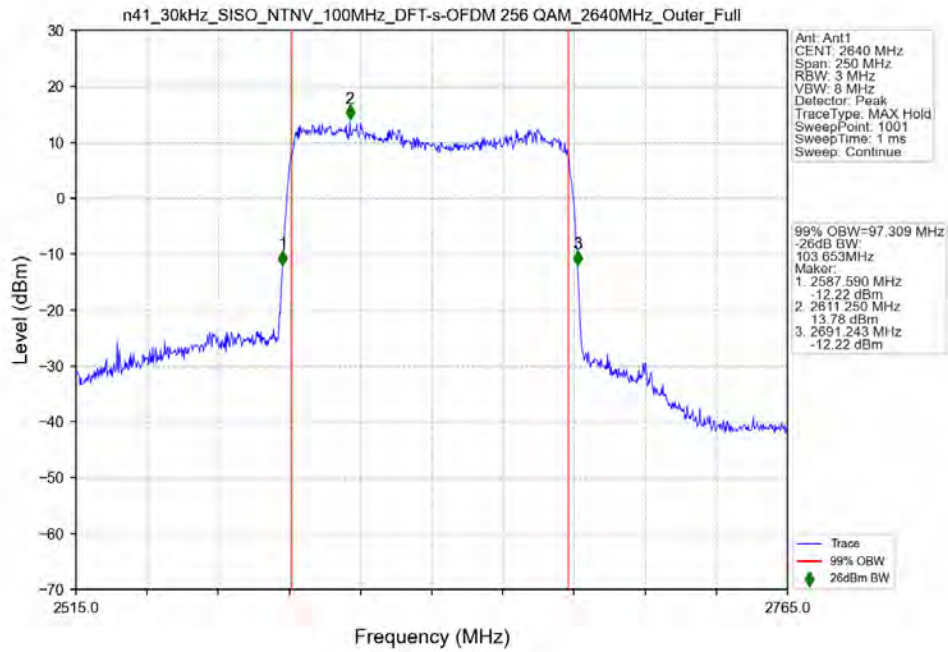
n41_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_256_QAM_2546.01MHz_Outer_Full



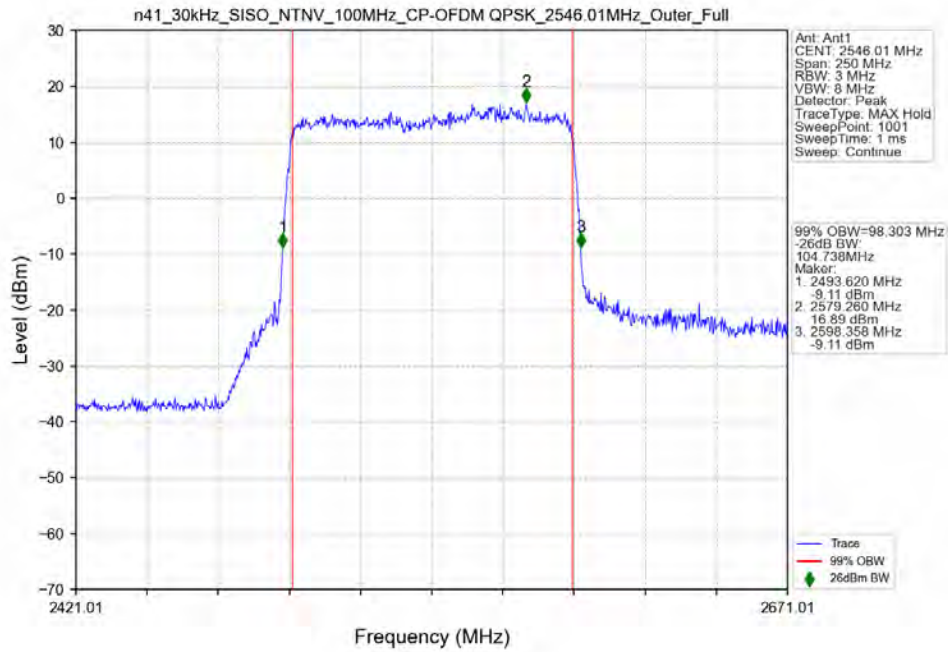
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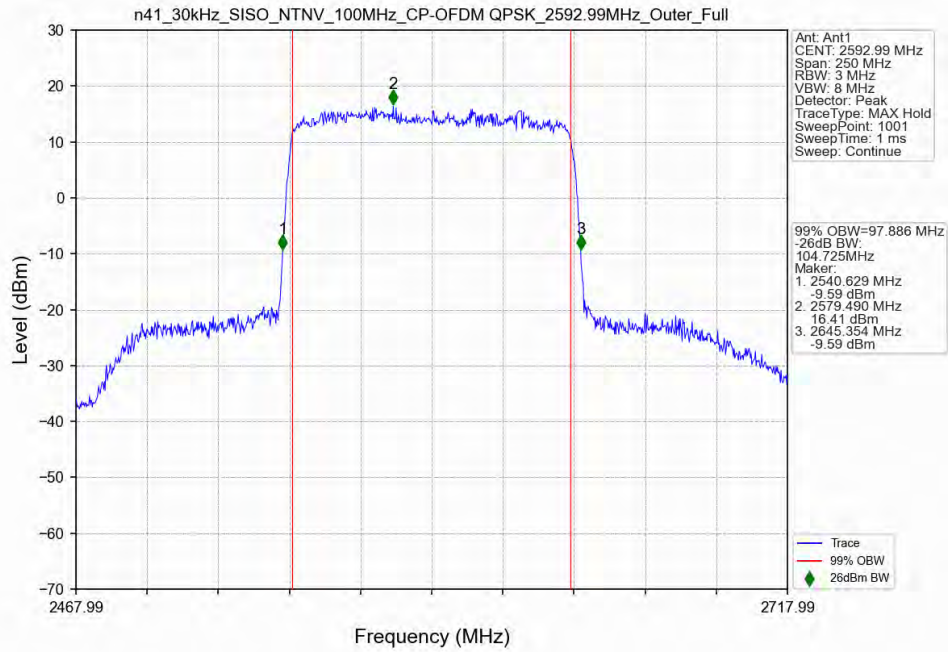
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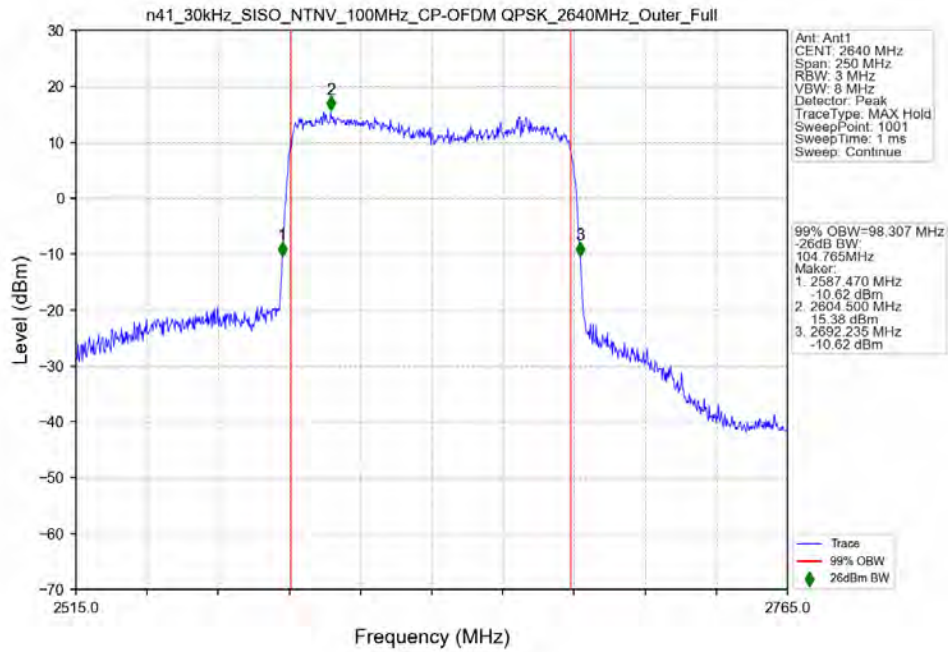
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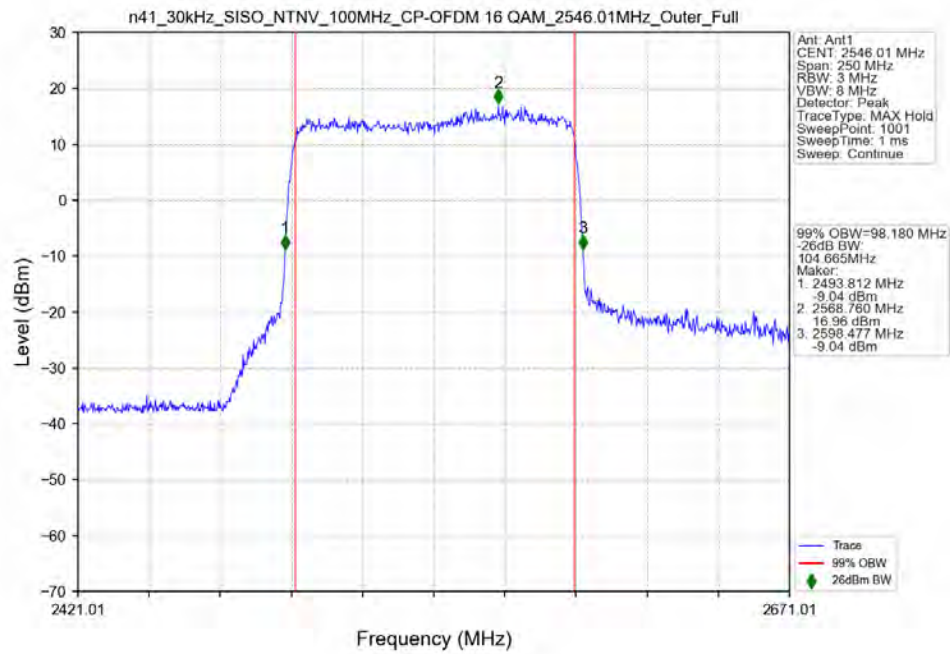
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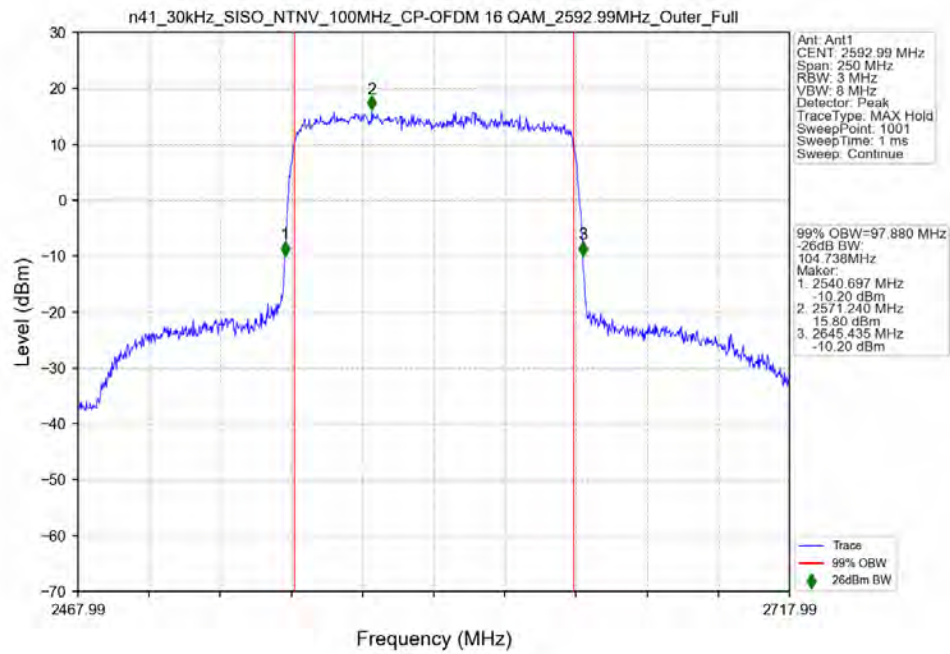
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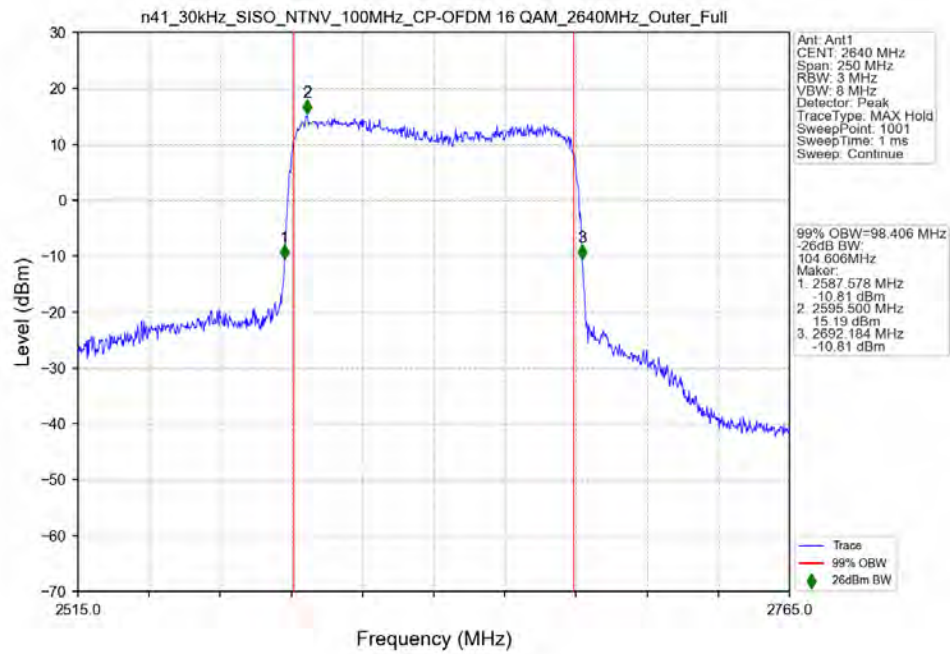
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_16_QAM_2546.01MHz_Outer_Full



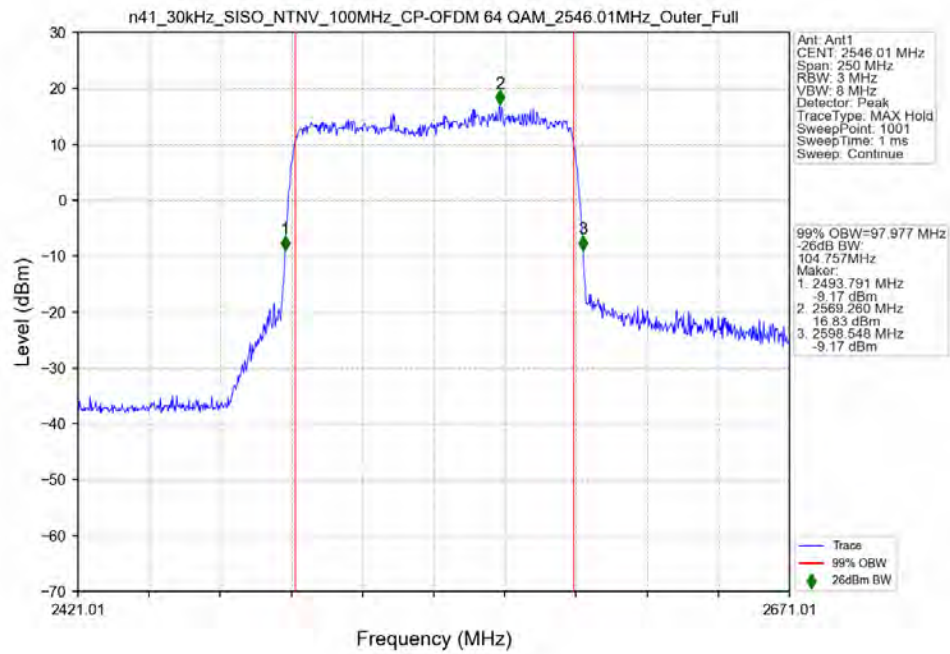
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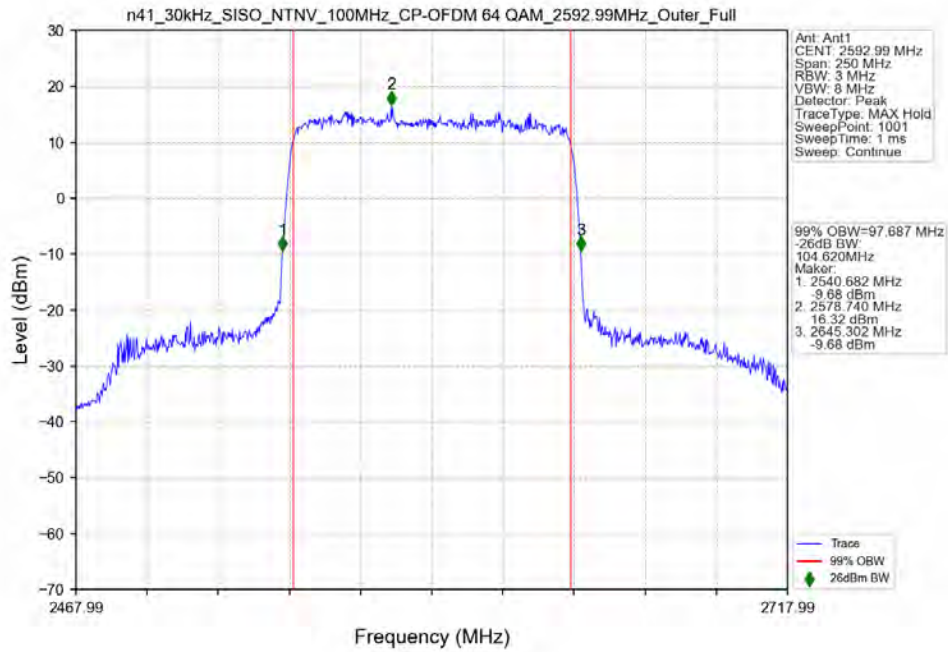
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM 16 QAM 2640MHz_Outer_Full



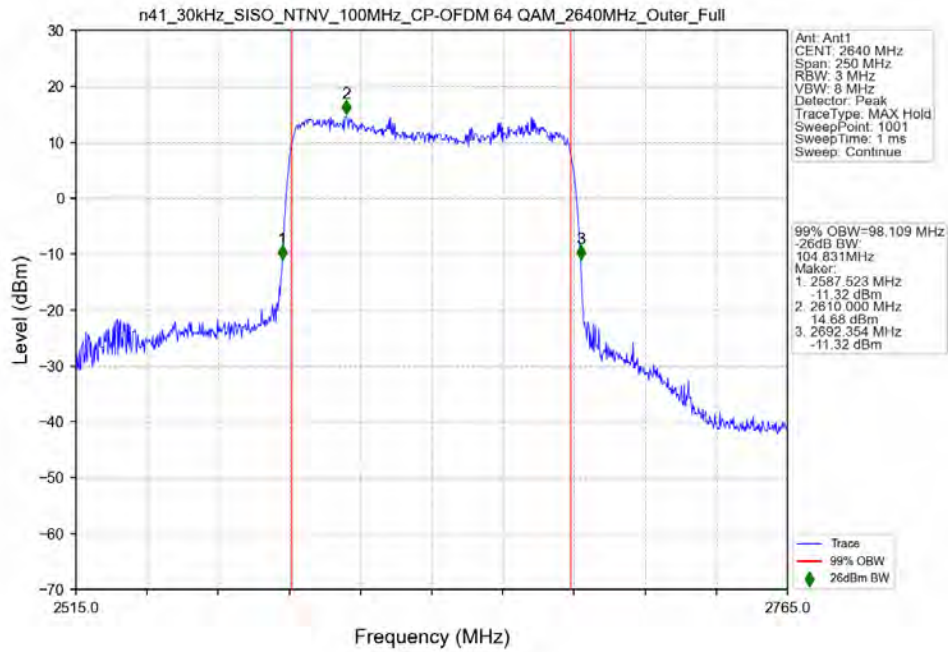
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM 2546.01MHz_Outer_Full



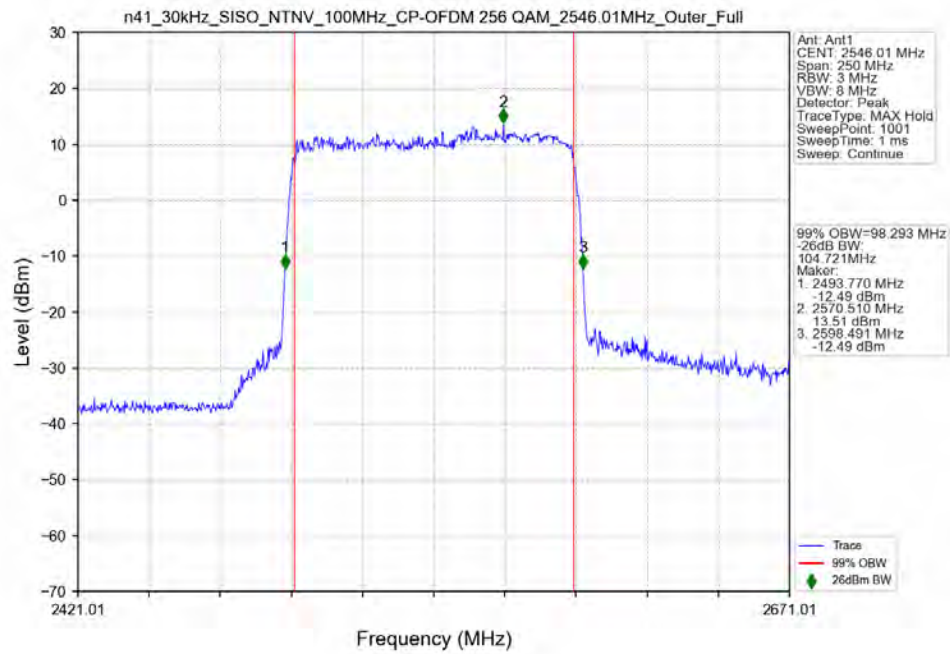
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM 2592.99MHz_Outer_Full



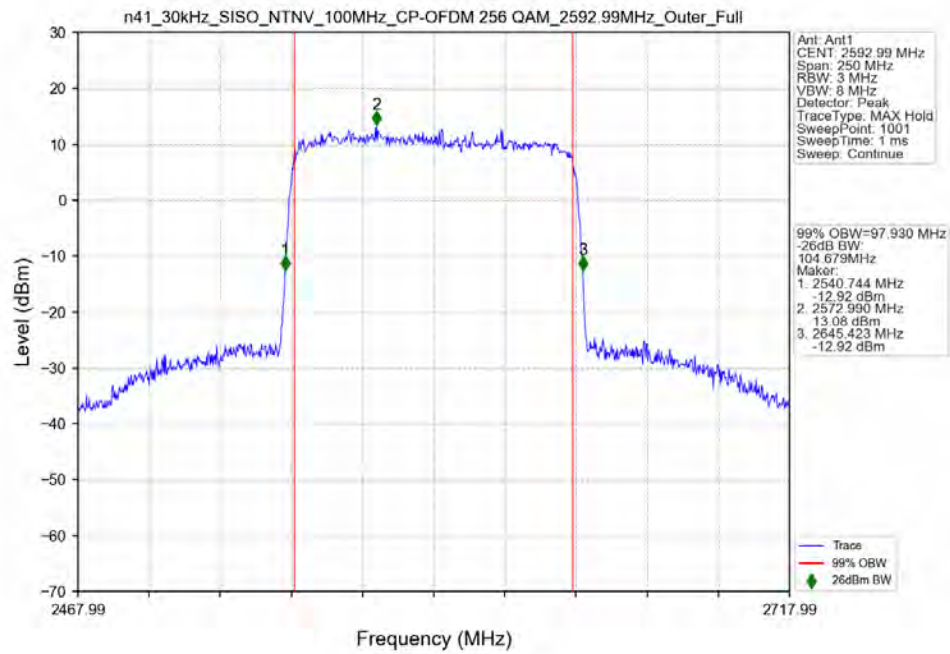
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM_2640MHz_Outer_Full



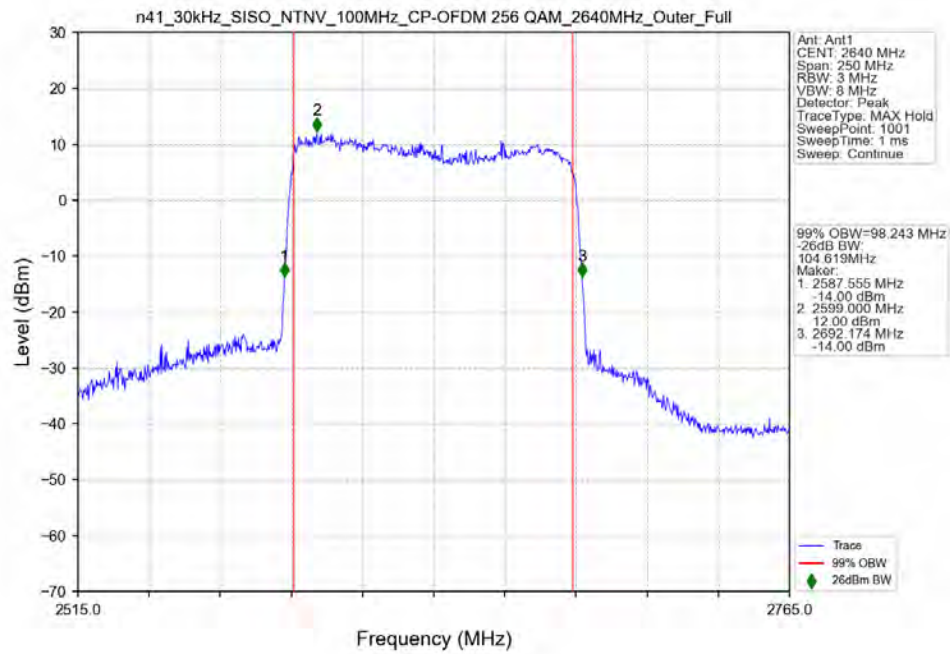
n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_2546.01MHz_Outer_Full



n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_2640MHz_Outer_Full



4. Peak-Average Ratio

4.1 Test Result

4.1.1 30k_SISO_20MHz_NTNV

5G NR n41 SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2506.02	Outer_Full	7.80	/	/	<=13	Pass
	2592.99	Outer_Full	7.90	/	/	<=13	Pass
	2679.99	Outer_Full	8.06	/	/	<=13	Pass
DFT-s-OFDM QPSK	2506.02	Outer_Full	11.66	/	/	<=13	Pass
	2592.99	Outer_Full	11.74	/	/	<=13	Pass
	2679.99	Outer_Full	11.92	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2506.02	Outer_Full	12.36	/	/	<=13	Pass
	2592.99	Outer_Full	12.46	/	/	<=13	Pass
	2679.99	Outer_Full	12.62	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2506.02	Outer_Full	12.62	/	/	<=13	Pass
	2592.99	Outer_Full	12.68	/	/	<=13	Pass
	2679.99	Outer_Full	12.82	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2506.02	Outer_Full	12.88	/	/	<=13	Pass
	2592.99	Outer_Full	12.90	/	/	<=13	Pass
	2679.99	Outer_Full	12.94	/	/	<=13	Pass
CP-OFDM QPSK	2506.02	Outer_Full	8.04	/	/	<=13	Pass
	2592.99	Outer_Full	8.04	/	/	<=13	Pass
	2679.99	Outer_Full	8.08	/	/	<=13	Pass
CP-OFDM 16 QAM	2506.02	Outer_Full	8.04	/	/	<=13	Pass
	2592.99	Outer_Full	8.04	/	/	<=13	Pass
	2679.99	Outer_Full	8.08	/	/	<=13	Pass
CP-OFDM 64 QAM	2506.02	Outer_Full	8.08	/	/	<=13	Pass
	2592.99	Outer_Full	8.08	/	/	<=13	Pass
	2679.99	Outer_Full	8.12	/	/	<=13	Pass
CP-OFDM 256 QAM	2506.02	Outer_Full	8.34	/	/	<=13	Pass
	2592.99	Outer_Full	8.36	/	/	<=13	Pass
	2679.99	Outer_Full	8.44	/	/	<=13	Pass

4.1.2 30k_SISO_30MHz_NTNV

5G NR n41 SCS=30kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2511	Outer_Full	7.80	/	/	<=13	Pass
	2592.99	Outer_Full	7.74	/	/	<=13	Pass
	2674.98	Outer_Full	8.06	/	/	<=13	Pass
DFT-s-OFDM QPSK	2511	Outer_Full	11.68	/	/	<=13	Pass
	2592.99	Outer_Full	11.68	/	/	<=13	Pass
	2674.98	Outer_Full	11.94	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2511	Outer_Full	12.42	/	/	<=13	Pass
	2592.99	Outer_Full	12.46	/	/	<=13	Pass
	2674.98	Outer_Full	12.66	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2511	Outer_Full	12.66	/	/	<=13	Pass
	2592.99	Outer_Full	12.68	/	/	<=13	Pass
	2674.98	Outer_Full	12.88	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	2511	Outer_Full	8.46	/	/	<=13	Pass
	2592.99	Outer_Full	12.92	/	/	<=13	Pass
	2674.98	Outer_Full	12.98	/	/	<=13	Pass
CP-OFDM QPSK	2511	Outer_Full	8.22	/	/	<=13	Pass
	2592.99	Outer_Full	8.18	/	/	<=13	Pass
	2674.98	Outer_Full	8.22	/	/	<=13	Pass
CP-OFDM 16 QAM	2511	Outer_Full	8.22	/	/	<=13	Pass
	2592.99	Outer_Full	8.18	/	/	<=13	Pass
	2674.98	Outer_Full	8.22	/	/	<=13	Pass
CP-OFDM 64 QAM	2511	Outer_Full	8.22	/	/	<=13	Pass
	2592.99	Outer_Full	8.20	/	/	<=13	Pass
	2674.98	Outer_Full	8.24	/	/	<=13	Pass
CP-OFDM 256 QAM	2511	Outer_Full	8.48	/	/	<=13	Pass
	2592.99	Outer_Full	8.44	/	/	<=13	Pass
	2674.98	Outer_Full	8.54	/	/	<=13	Pass

4.1.3 30k_SISO_40MHz_NTNV

5G NR n41 SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2516.01	Outer_Full	7.88	/	/	<=13	Pass
	2592.99	Outer_Full	7.74	/	/	<=13	Pass
	2670	Outer_Full	8.14	/	/	<=13	Pass
DFT-s-OFDM QPSK	2516.01	Outer_Full	11.76	/	/	<=13	Pass
	2592.99	Outer_Full	11.68	/	/	<=13	Pass
	2670	Outer_Full	11.96	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2516.01	Outer_Full	12.40	/	/	<=13	Pass
	2592.99	Outer_Full	12.40	/	/	<=13	Pass
	2670	Outer_Full	12.60	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2516.01	Outer_Full	12.66	/	/	<=13	Pass
	2592.99	Outer_Full	12.64	/	/	<=13	Pass
	2670	Outer_Full	12.82	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2516.01	Outer_Full	12.90	/	/	<=13	Pass
	2592.99	Outer_Full	12.88	/	/	<=13	Pass
	2670	Outer_Full	13.00	/	/	<=13	Pass
CP-OFDM QPSK	2516.01	Outer_Full	8.72	/	/	<=13	Pass
	2592.99	Outer_Full	8.68	/	/	<=13	Pass
	2670	Outer_Full	8.74	/	/	<=13	Pass
CP-OFDM 16 QAM	2516.01	Outer_Full	8.72	/	/	<=13	Pass
	2592.99	Outer_Full	8.68	/	/	<=13	Pass
	2670	Outer_Full	8.78	/	/	<=13	Pass
CP-OFDM 64 QAM	2516.01	Outer_Full	8.78	/	/	<=13	Pass
	2592.99	Outer_Full	8.72	/	/	<=13	Pass
	2670	Outer_Full	8.82	/	/	<=13	Pass
CP-OFDM 256 QAM	2516.01	Outer_Full	9.02	/	/	<=13	Pass
	2592.99	Outer_Full	9.00	/	/	<=13	Pass
	2670	Outer_Full	9.12	/	/	<=13	Pass

4.1.4 30k_SISO_50MHz_NTNV

5G NR n41 SCS=30kHz SISO 50MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2521.02	Outer_Full	8.12	/	/	<=13	Pass
	2592.99	Outer_Full	7.94	/	/	<=13	Pass

	2664.99	Outer_Full	8.50	/	/	<=13	Pass
DFT-s-OFDM QPSK	2521.02	Outer_Full	11.84	/	/	<=13	Pass
	2592.99	Outer_Full	11.74	/	/	<=13	Pass
	2664.99	Outer_Full	12.06	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2521.02	Outer_Full	12.38	/	/	<=13	Pass
	2592.99	Outer_Full	12.42	/	/	<=13	Pass
	2664.99	Outer_Full	12.68	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2521.02	Outer_Full	12.62	/	/	<=13	Pass
	2592.99	Outer_Full	12.64	/	/	<=13	Pass
	2664.99	Outer_Full	12.84	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2521.02	Outer_Full	12.94	/	/	<=13	Pass
	2592.99	Outer_Full	12.92	/	/	<=13	Pass
	2664.99	Outer_Full	9.02	/	/	<=13	Pass
CP-OFDM QPSK	2521.02	Outer_Full	8.96	/	/	<=13	Pass
	2592.99	Outer_Full	9.00	/	/	<=13	Pass
	2664.99	Outer_Full	9.00	/	/	<=13	Pass
CP-OFDM 16 QAM	2521.02	Outer_Full	8.96	/	/	<=13	Pass
	2592.99	Outer_Full	9.00	/	/	<=13	Pass
	2664.99	Outer_Full	9.00	/	/	<=13	Pass
CP-OFDM 64 QAM	2521.02	Outer_Full	9.04	/	/	<=13	Pass
	2592.99	Outer_Full	9.08	/	/	<=13	Pass
	2664.99	Outer_Full	9.08	/	/	<=13	Pass
CP-OFDM 256 QAM	2521.02	Outer_Full	10.26	/	/	<=13	Pass
	2592.99	Outer_Full	9.66	/	/	<=13	Pass
	2664.99	Outer_Full	9.76	/	/	<=13	Pass

4.1.5 30k_SISO_60MHz_NTNV

5G NR n41 SCS=30kHz SISO 60MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2526	Outer_Full	7.90	/	/	<=13	Pass
	2592.99	Outer_Full	7.72	/	/	<=13	Pass
	2659.98	Outer_Full	8.20	/	/	<=13	Pass
DFT-s-OFDM QPSK	2526	Outer_Full	11.72	/	/	<=13	Pass
	2592.99	Outer_Full	11.68	/	/	<=13	Pass
	2659.98	Outer_Full	11.98	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2526	Outer_Full	12.38	/	/	<=13	Pass
	2592.99	Outer_Full	12.40	/	/	<=13	Pass
	2659.98	Outer_Full	12.62	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2526	Outer_Full	12.64	/	/	<=13	Pass
	2592.99	Outer_Full	12.66	/	/	<=13	Pass
	2659.98	Outer_Full	12.86	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2526	Outer_Full	12.90	/	/	<=13	Pass
	2592.99	Outer_Full	12.86	/	/	<=13	Pass
	2659.98	Outer_Full	12.94	/	/	<=13	Pass
CP-OFDM QPSK	2526	Outer_Full	9.00	/	/	<=13	Pass
	2592.99	Outer_Full	9.04	/	/	<=13	Pass
	2659.98	Outer_Full	9.00	/	/	<=13	Pass
CP-OFDM 16 QAM	2526	Outer_Full	9.02	/	/	<=13	Pass
	2592.99	Outer_Full	9.04	/	/	<=13	Pass
	2659.98	Outer_Full	9.02	/	/	<=13	Pass
CP-OFDM 64 QAM	2526	Outer_Full	9.08	/	/	<=13	Pass
	2592.99	Outer_Full	9.14	/	/	<=13	Pass
	2659.98	Outer_Full	9.10	/	/	<=13	Pass
CP-OFDM 256 QAM	2526	Outer_Full	9.68	/	/	<=13	Pass
	2592.99	Outer_Full	9.78	/	/	<=13	Pass

	2659.98	Outer Full	9.76	/	/	<=13	Pass
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4.1.6 30k_SISO_80MHz_NTNV

5G NR n41 SCS=30kHz SISO 80MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2536.02	Outer Full	8.18	/	/	<=13	Pass
	2592.99	Outer Full	7.94	/	/	<=13	Pass
	2649.99	Outer Full	8.58	/	/	<=13	Pass
DFT-s-OFDM QPSK	2536.02	Outer Full	11.84	/	/	<=13	Pass
	2592.99	Outer Full	11.88	/	/	<=13	Pass
	2649.99	Outer Full	12.12	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2536.02	Outer Full	12.46	/	/	<=13	Pass
	2592.99	Outer Full	12.44	/	/	<=13	Pass
	2649.99	Outer Full	12.64	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2536.02	Outer Full	12.64	/	/	<=13	Pass
	2592.99	Outer Full	12.66	/	/	<=13	Pass
	2649.99	Outer Full	12.80	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2536.02	Outer Full	12.82	/	/	<=13	Pass
	2592.99	Outer Full	12.78	/	/	<=13	Pass
	2649.99	Outer Full	12.84	/	/	<=13	Pass
CP-OFDM QPSK	2536.02	Outer Full	9.10	/	/	<=13	Pass
	2592.99	Outer Full	9.14	/	/	<=13	Pass
	2649.99	Outer Full	9.08	/	/	<=13	Pass
CP-OFDM 16 QAM	2536.02	Outer Full	9.12	/	/	<=13	Pass
	2592.99	Outer Full	9.14	/	/	<=13	Pass
	2649.99	Outer Full	9.08	/	/	<=13	Pass
CP-OFDM 64 QAM	2536.02	Outer Full	9.18	/	/	<=13	Pass
	2592.99	Outer Full	9.20	/	/	<=13	Pass
	2649.99	Outer Full	9.16	/	/	<=13	Pass
CP-OFDM 256 QAM	2536.02	Outer Full	9.82	/	/	<=13	Pass
	2592.99	Outer Full	9.90	/	/	<=13	Pass
	2649.99	Outer Full	9.86	/	/	<=13	Pass

4.1.7 30k_SISO_90MHz_NTNV

5G NR n41 SCS=30kHz SISO 90MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2541	Outer Full	8.36	/	/	<=13	Pass
	2592.99	Outer Full	7.98	/	/	<=13	Pass
	2644.98	Outer Full	8.12	/	/	<=13	Pass
DFT-s-OFDM QPSK	2541	Outer Full	11.74	/	/	<=13	Pass
	2592.99	Outer Full	11.70	/	/	<=13	Pass
	2644.98	Outer Full	11.92	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2541	Outer Full	12.56	/	/	<=13	Pass
	2592.99	Outer Full	12.36	/	/	<=13	Pass
	2644.98	Outer Full	12.68	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2541	Outer Full	12.58	/	/	<=13	Pass
	2592.99	Outer Full	12.76	/	/	<=13	Pass
	2644.98	Outer Full	12.90	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2541	Outer Full	12.94	/	/	<=13	Pass
	2592.99	Outer Full	12.98	/	/	<=13	Pass
	2644.98	Outer Full	7.32	/	/	<=13	Pass
CP-OFDM QPSK	2541	Outer Full	7.36	/	/	<=13	Pass

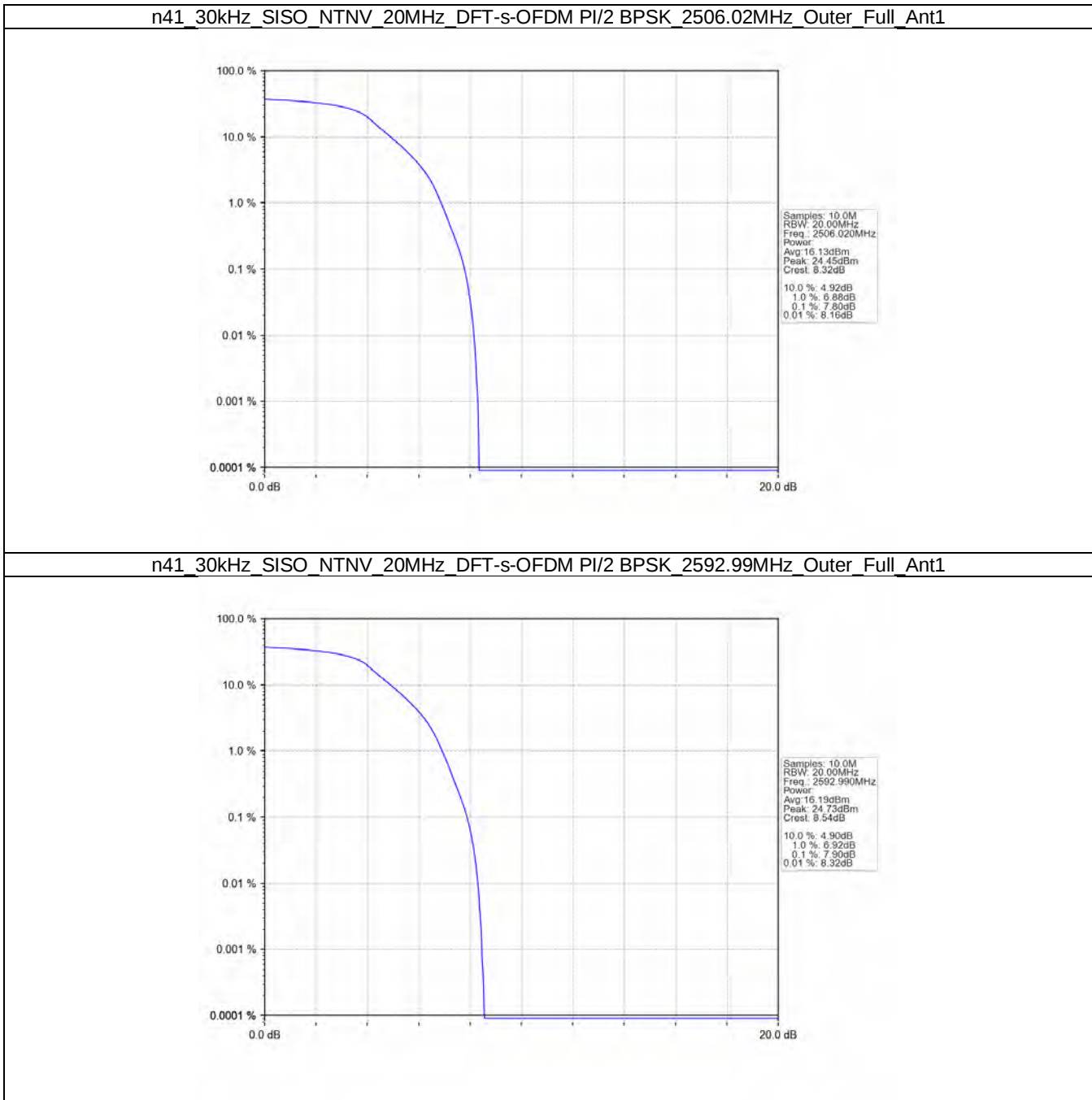
CP-OFDM 16 QAM	2592.99	Outer_Full	7.54	/	/	<=13	Pass
	2644.98	Outer_Full	7.56	/	/	<=13	Pass
	2541	Outer_Full	7.46	/	/	<=13	Pass
	2592.99	Outer_Full	7.44	/	/	<=13	Pass
	2644.98	Outer_Full	7.54	/	/	<=13	Pass
CP-OFDM 64 QAM	2541	Outer_Full	7.56	/	/	<=13	Pass
	2592.99	Outer_Full	7.42	/	/	<=13	Pass
	2644.98	Outer_Full	7.56	/	/	<=13	Pass
CP-OFDM 256 QAM	2541	Outer_Full	7.64	/	/	<=13	Pass
	2592.99	Outer_Full	7.62	/	/	<=13	Pass
	2644.98	Outer_Full	7.72	/	/	<=13	Pass

4.1.8 30k_SISO_100MHz_NTNV

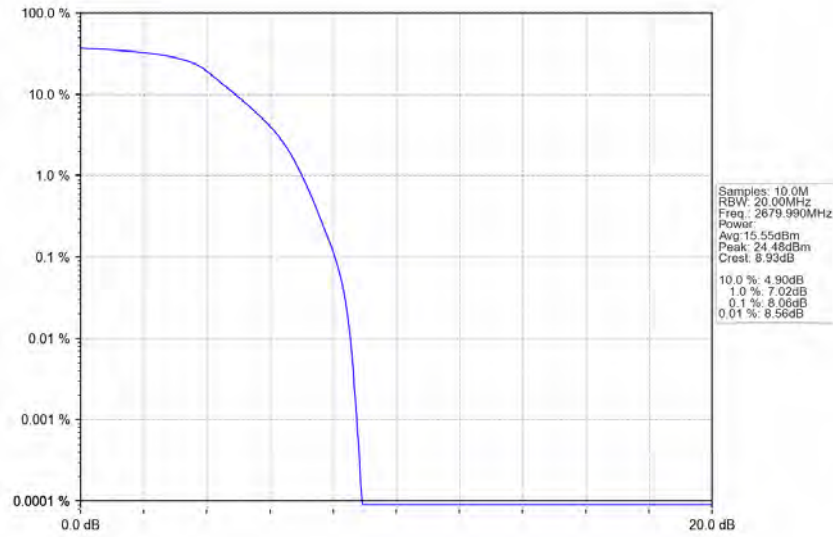
5G NR n41 SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	2546.01	Outer_Full	7.96	/	/	<=13	Pass
	2592.99	Outer_Full	8.52	/	/	<=13	Pass
	2640	Outer_Full	8.84	/	/	<=13	Pass
DFT-s-OFDM QPSK	2546.01	Outer_Full	11.78	/	/	<=13	Pass
	2592.99	Outer_Full	11.98	/	/	<=13	Pass
	2640	Outer_Full	12.20	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	2546.01	Outer_Full	12.36	/	/	<=13	Pass
	2592.99	Outer_Full	12.52	/	/	<=13	Pass
	2640	Outer_Full	12.58	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	2546.01	Outer_Full	12.64	/	/	<=13	Pass
	2592.99	Outer_Full	12.64	/	/	<=13	Pass
	2640	Outer_Full	12.94	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	2546.01	Outer_Full	7.38	/	/	<=13	Pass
	2592.99	Outer_Full	13.00	/	/	<=13	Pass
	2640	Outer_Full	12.98	/	/	<=13	Pass
CP-OFDM QPSK	2546.01	Outer_Full	7.54	/	/	<=13	Pass
	2592.99	Outer_Full	7.52	/	/	<=13	Pass
	2640	Outer_Full	7.56	/	/	<=13	Pass
CP-OFDM 16 QAM	2546.01	Outer_Full	7.54	/	/	<=13	Pass
	2592.99	Outer_Full	7.70	/	/	<=13	Pass
	2640	Outer_Full	7.74	/	/	<=13	Pass
CP-OFDM 64 QAM	2546.01	Outer_Full	7.56	/	/	<=13	Pass
	2592.99	Outer_Full	7.54	/	/	<=13	Pass
	2640	Outer_Full	7.64	/	/	<=13	Pass
CP-OFDM 256 QAM	2546.01	Outer_Full	7.86	/	/	<=13	Pass
	2592.99	Outer_Full	7.82	/	/	<=13	Pass
	2640	Outer_Full	7.84	/	/	<=13	Pass

4.2 Test Graph

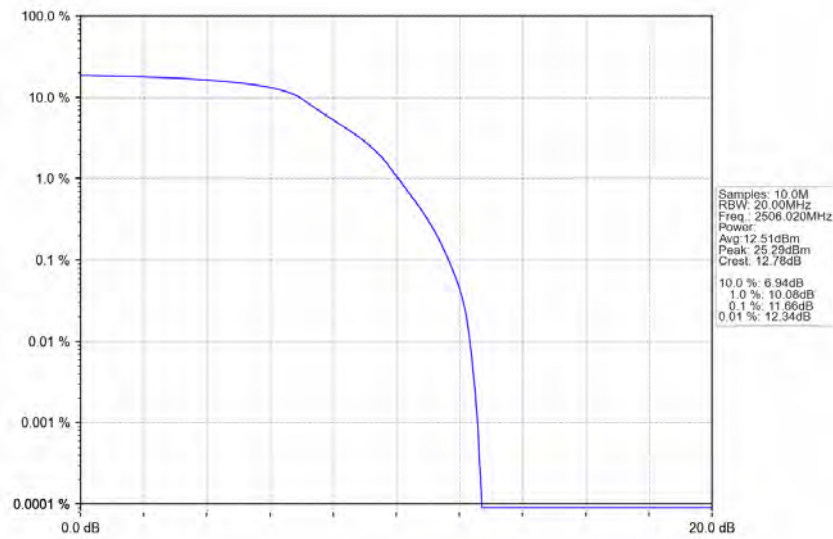
4.2.1 30k_SISO_20MHz_NTNV



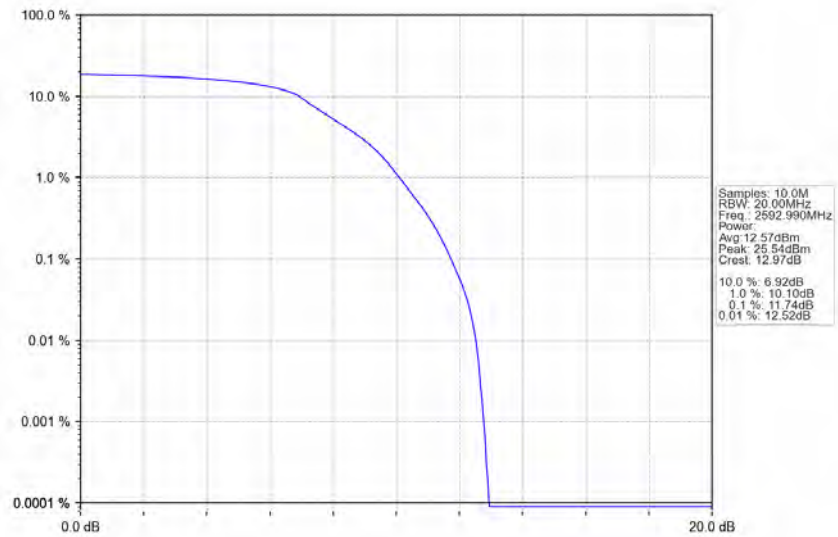
n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_2679.99MHz_Outer_Full_Ant1



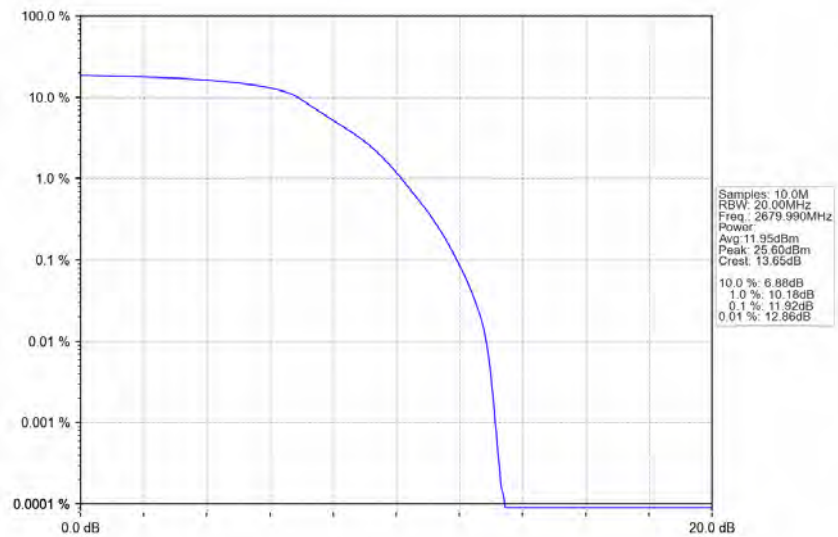
n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_2506.02MHz_Outer_Full_Ant1



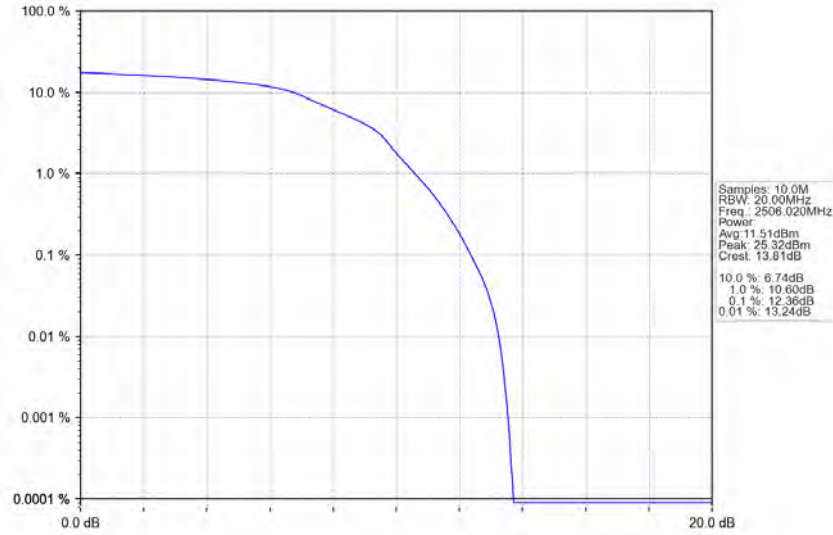
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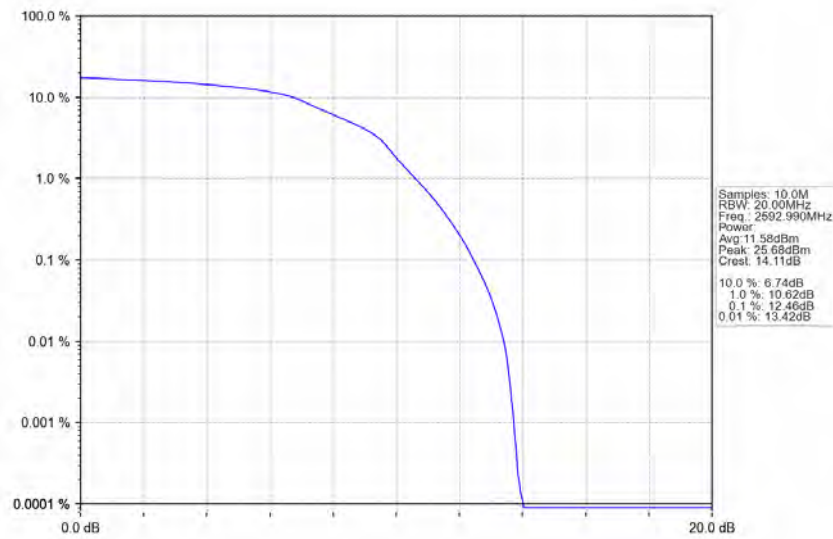
n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_2679.99MHz_Outer_Full_Ant1



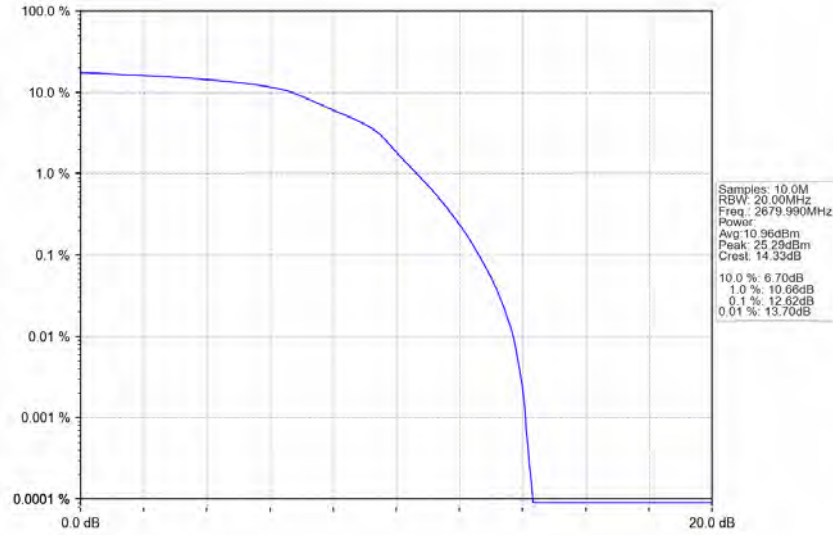
n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_2506.02MHz_Outer_Full_Ant1



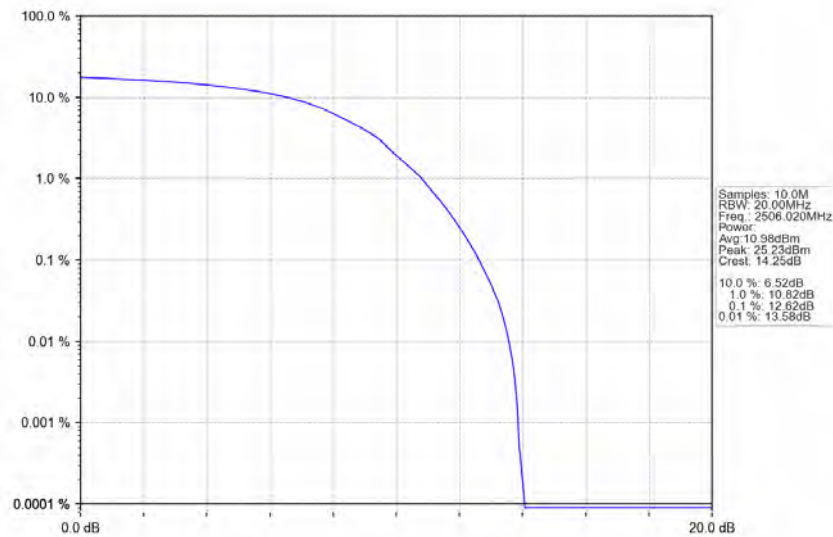
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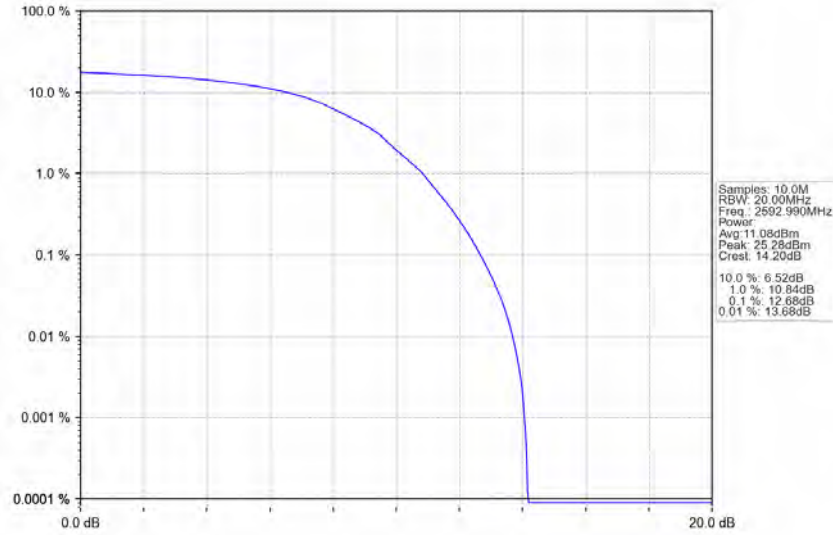
n41 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 2679.99MHz Outer Full Ant1



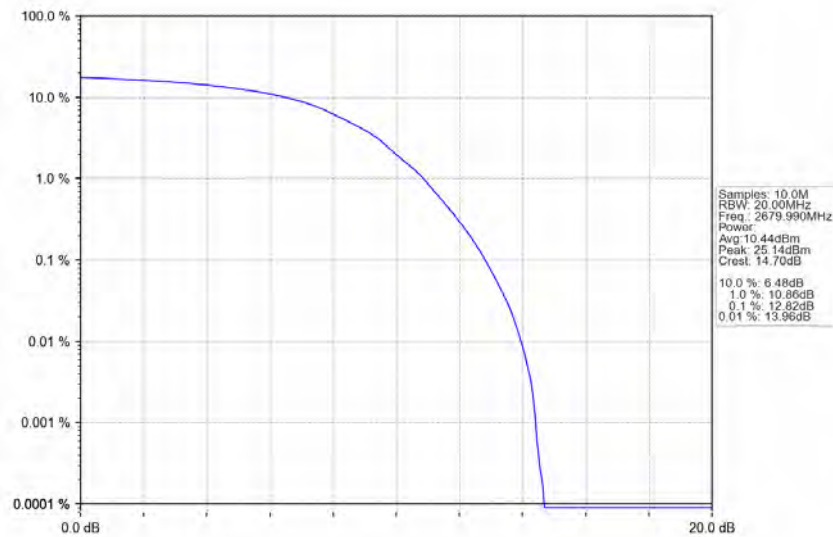
n41 30kHz SISO NTN 20MHz DFT-s-OFDM 64 QAM 2506.02MHz Outer Full Ant1



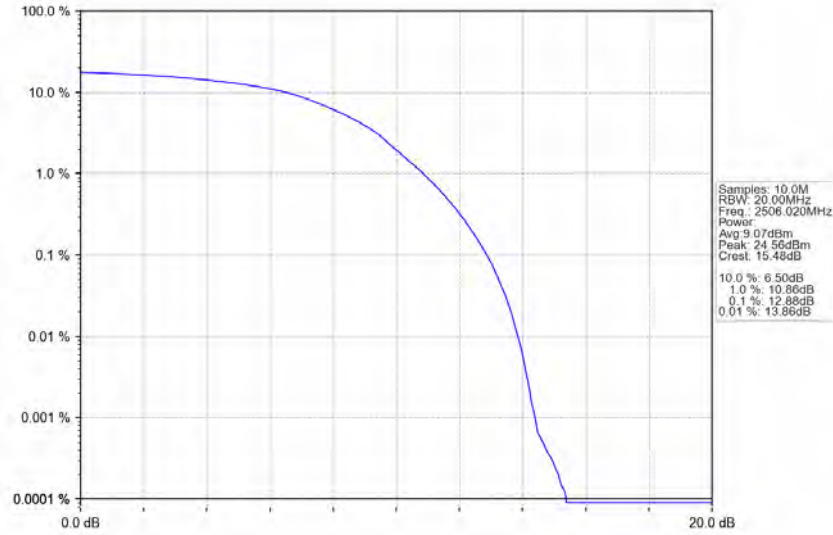
n41_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_64_QAM_2592.99MHz_Outer_Full_Ant1



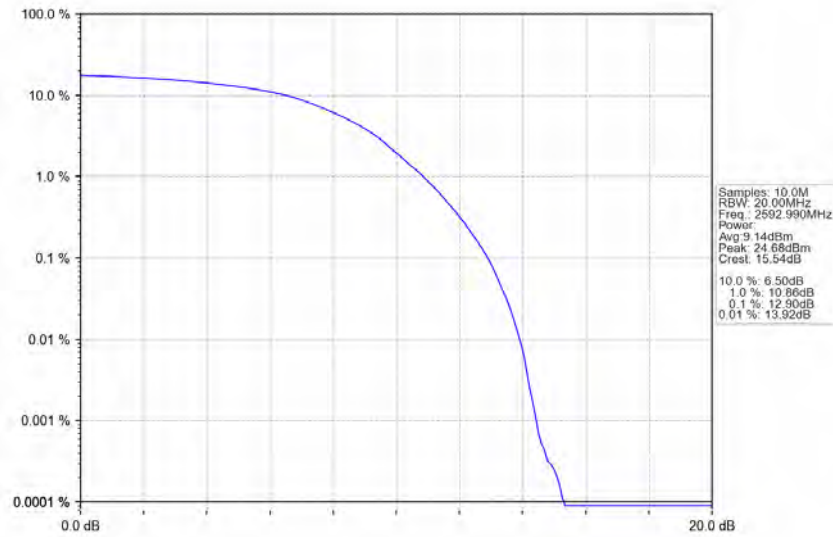
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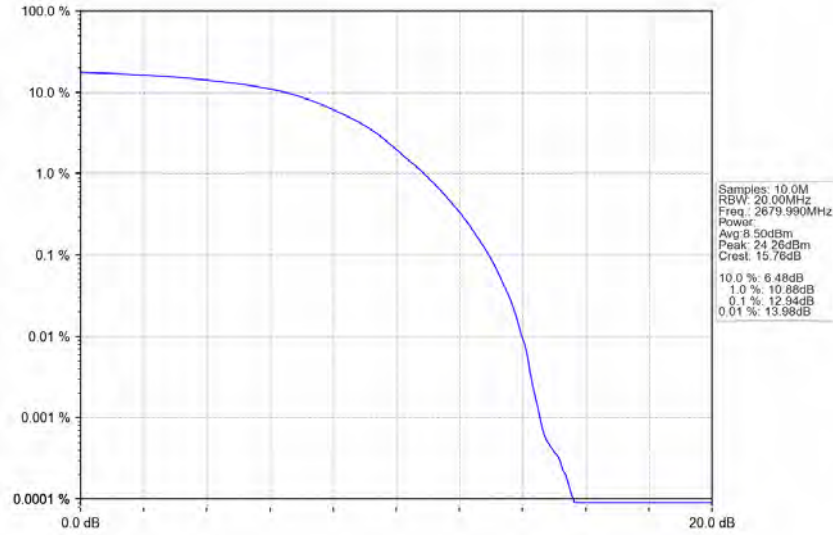
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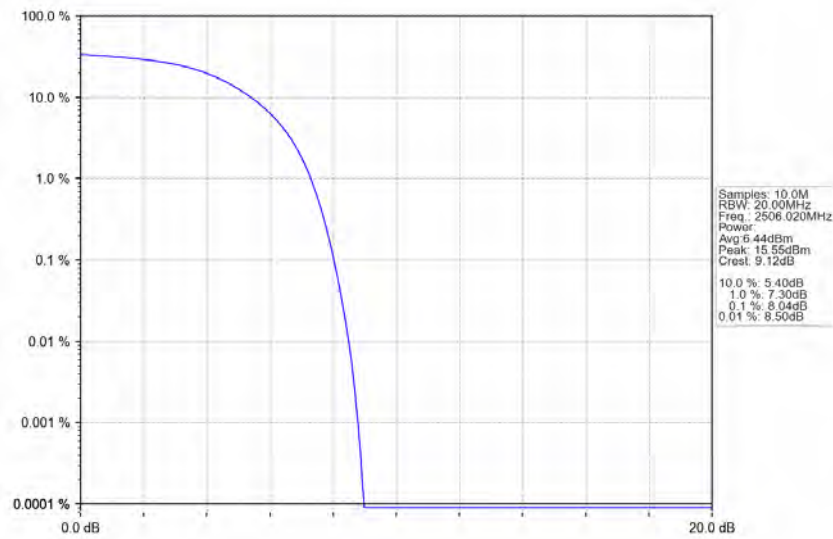
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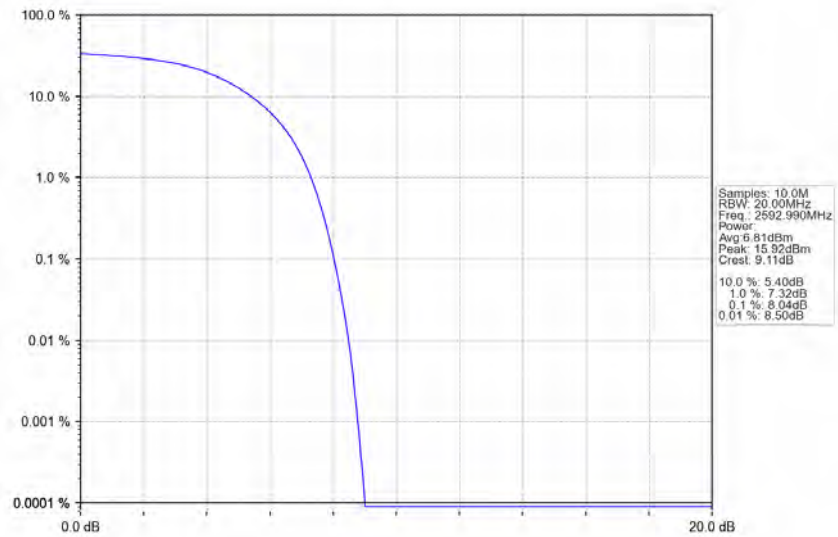
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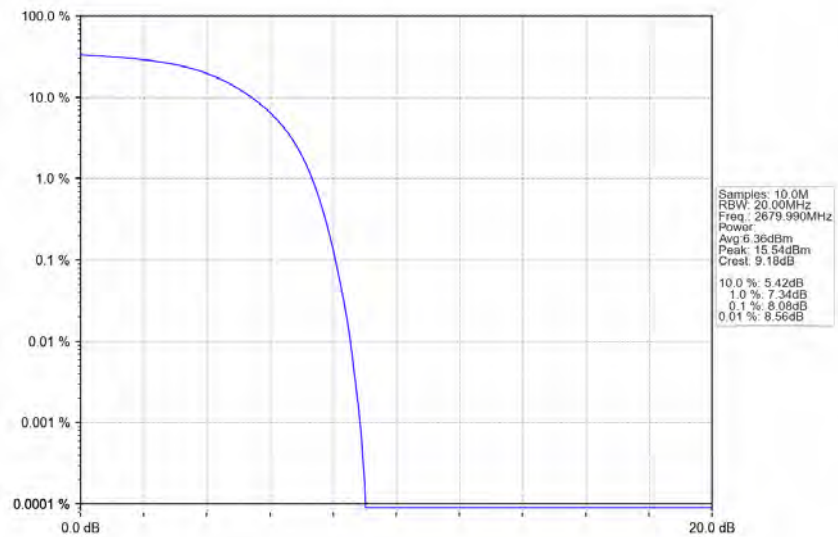
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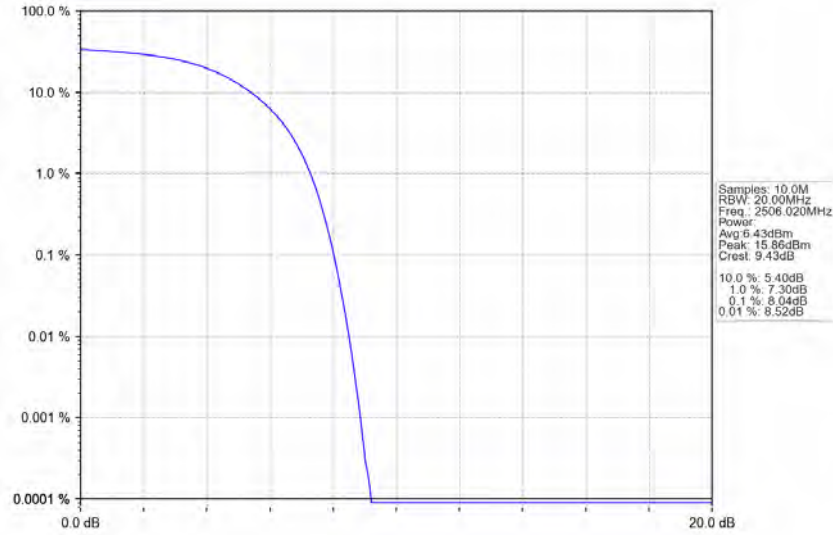
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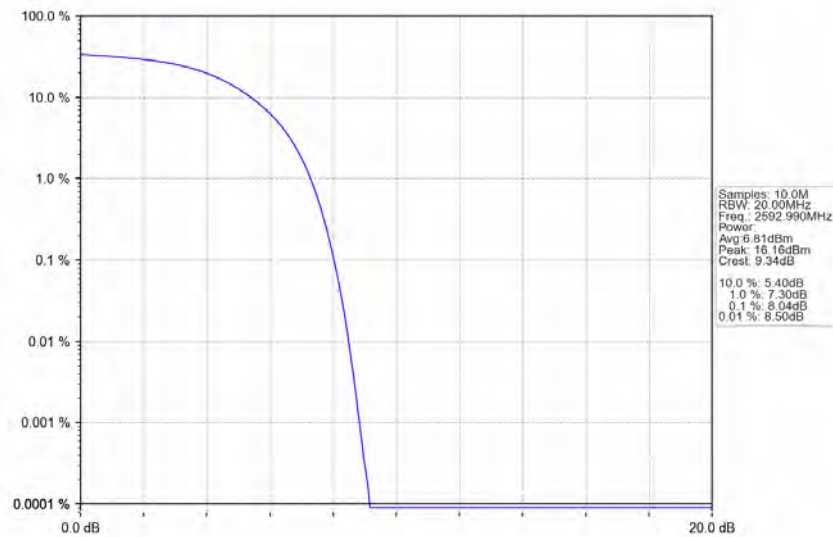
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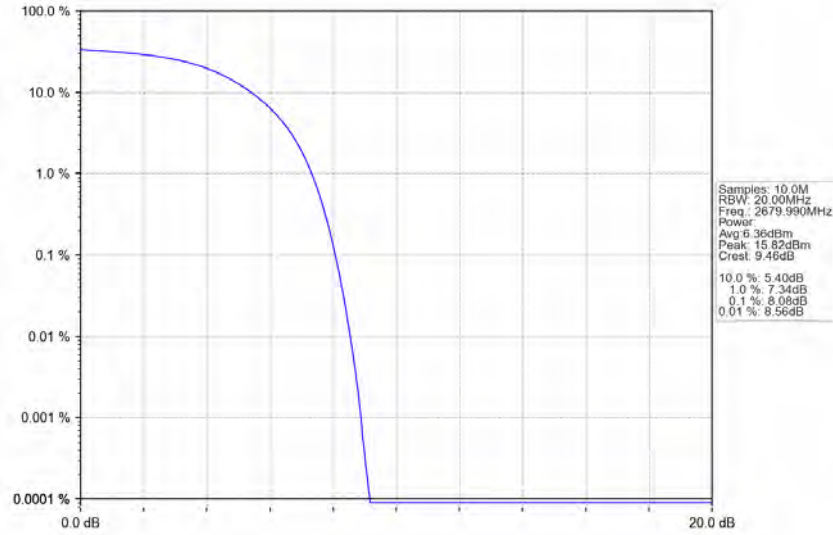
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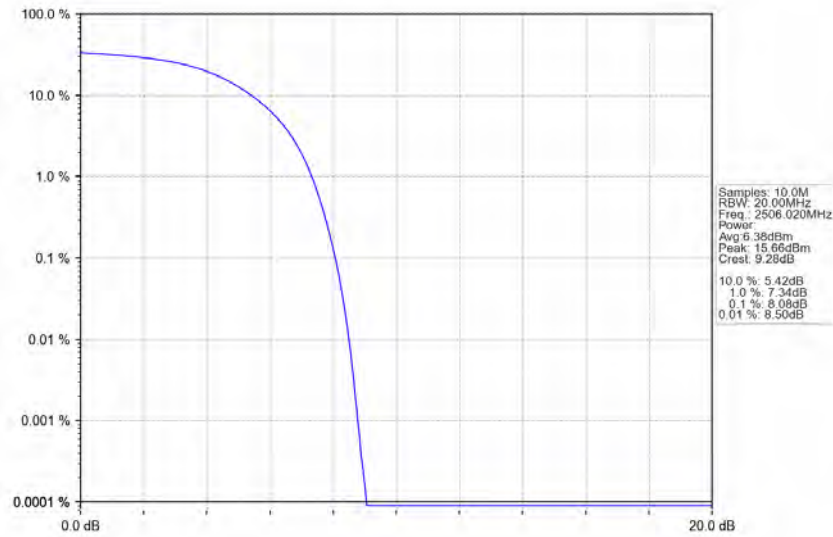
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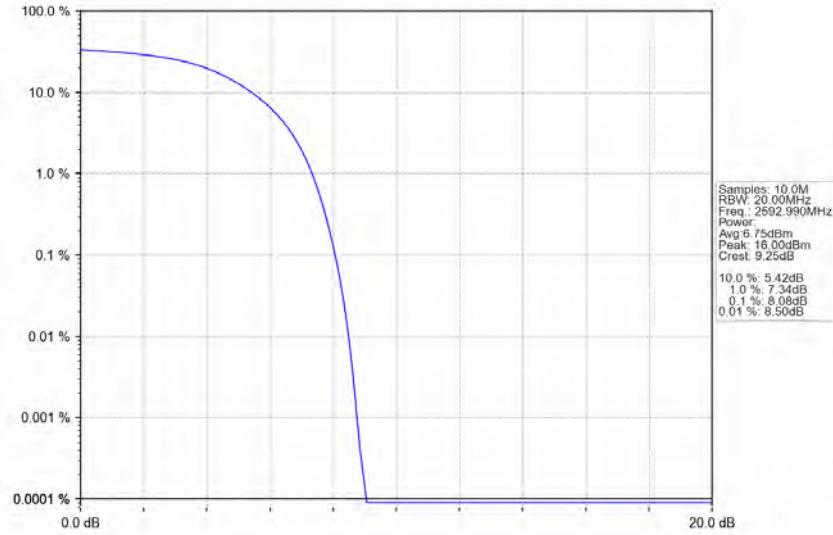
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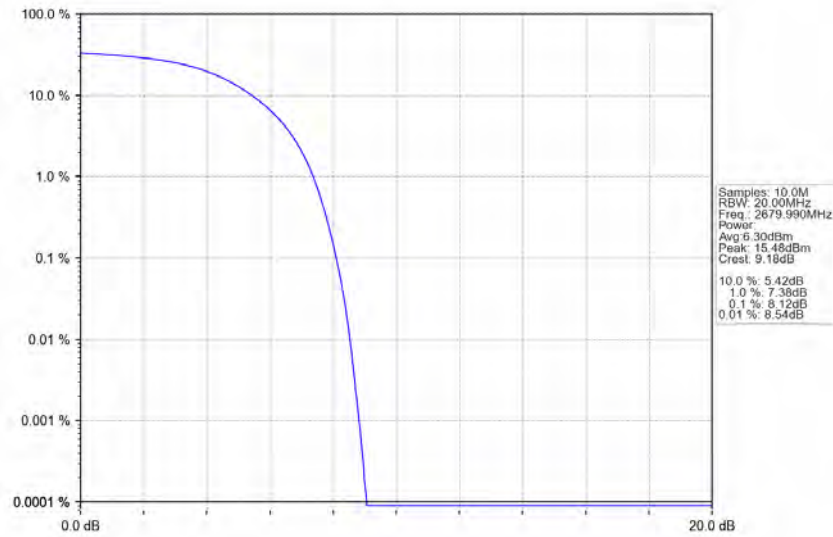
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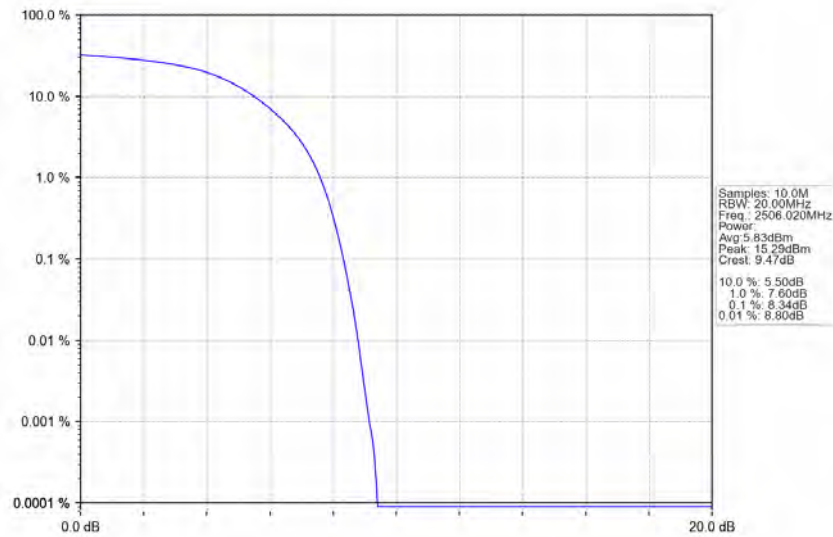
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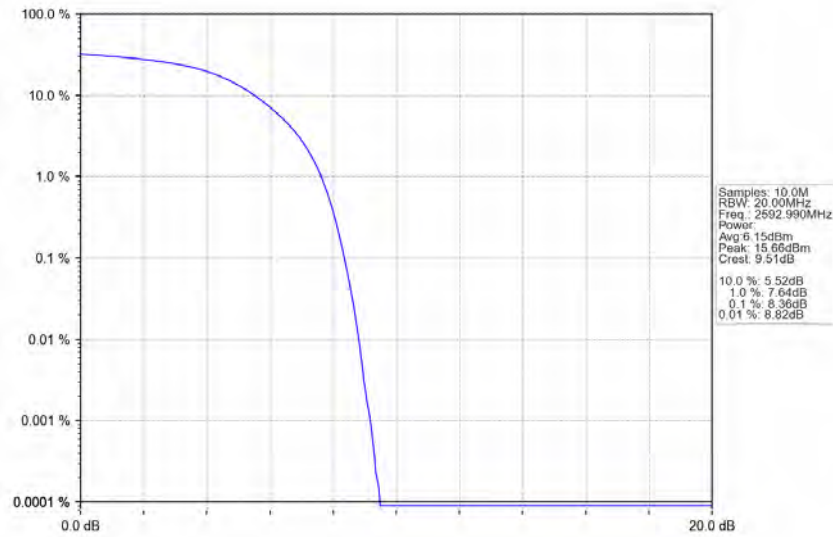
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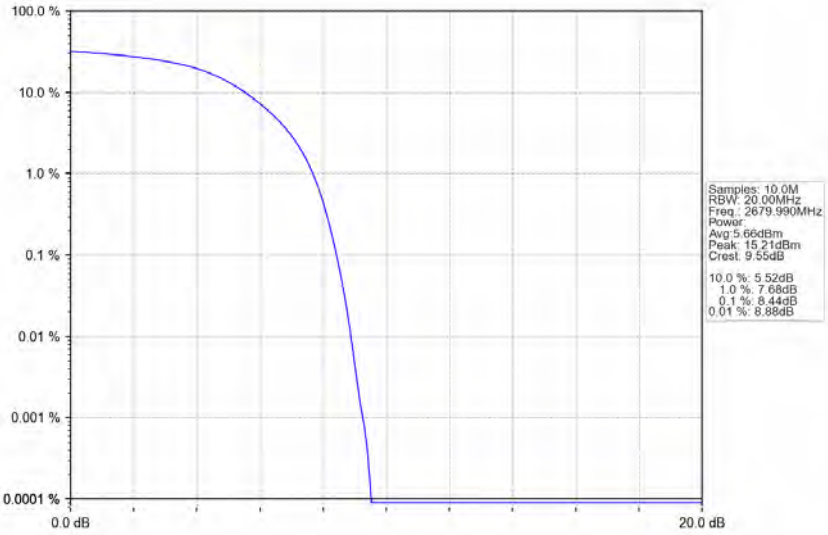


n41_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_2506.02MHz_Outer_Full_Ant1

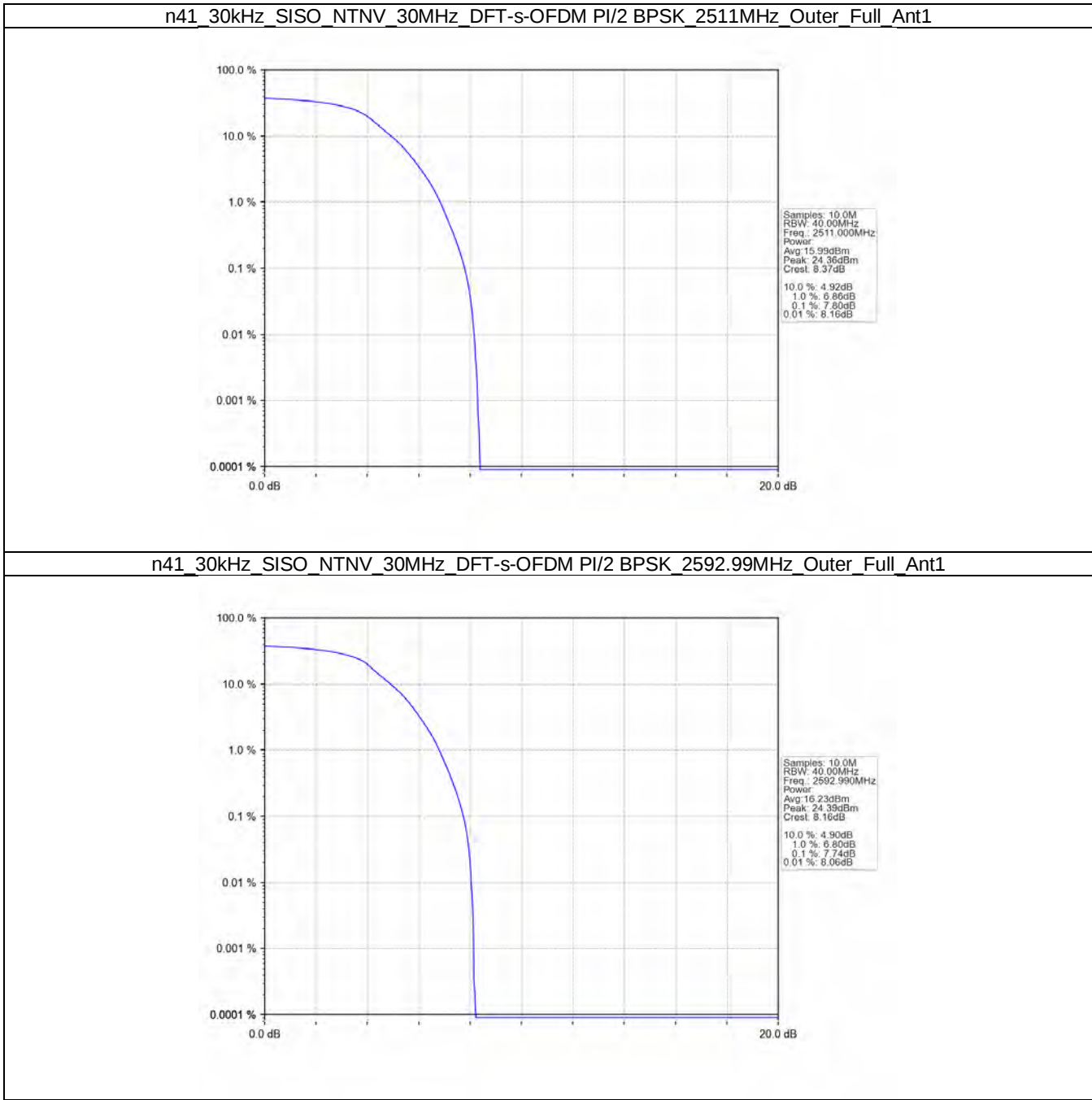


n41_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full_Ant1

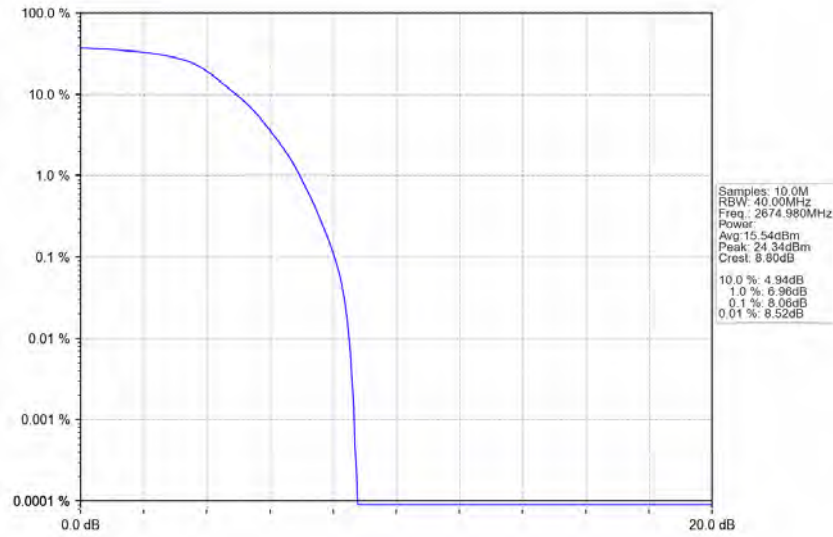




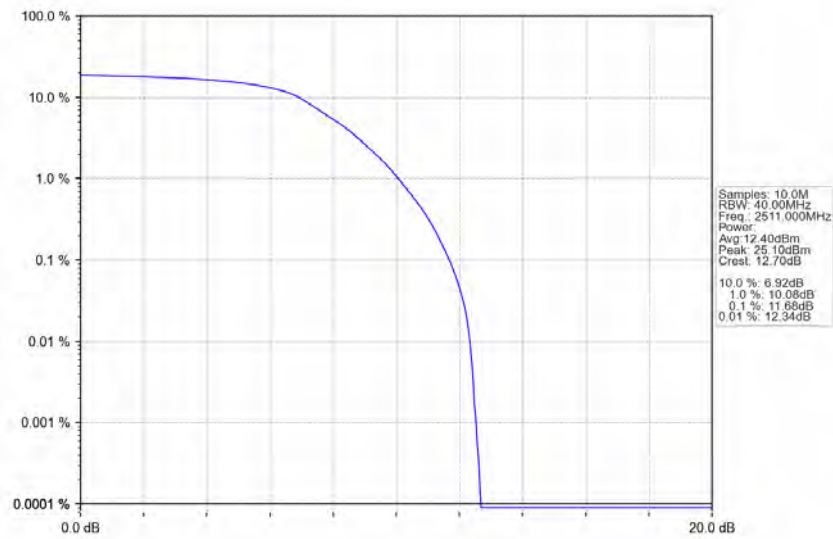
4.2.2 30k_SISO_30MHz_NTNV



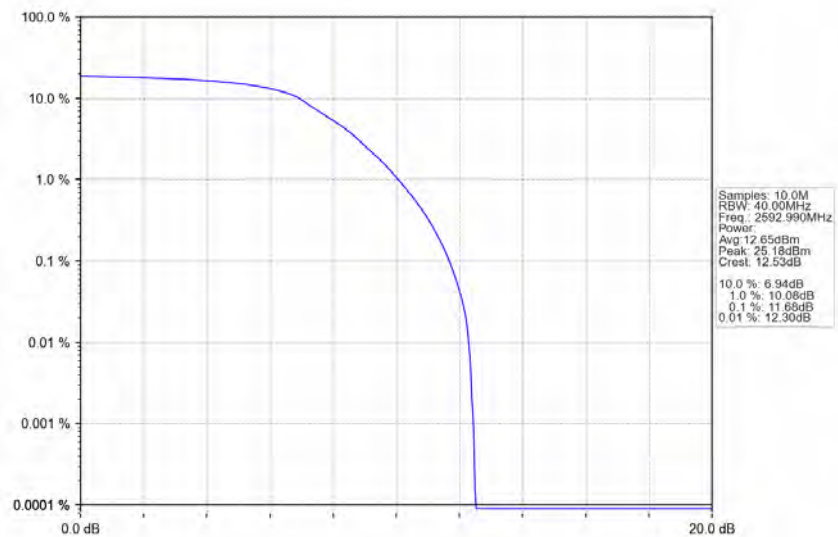
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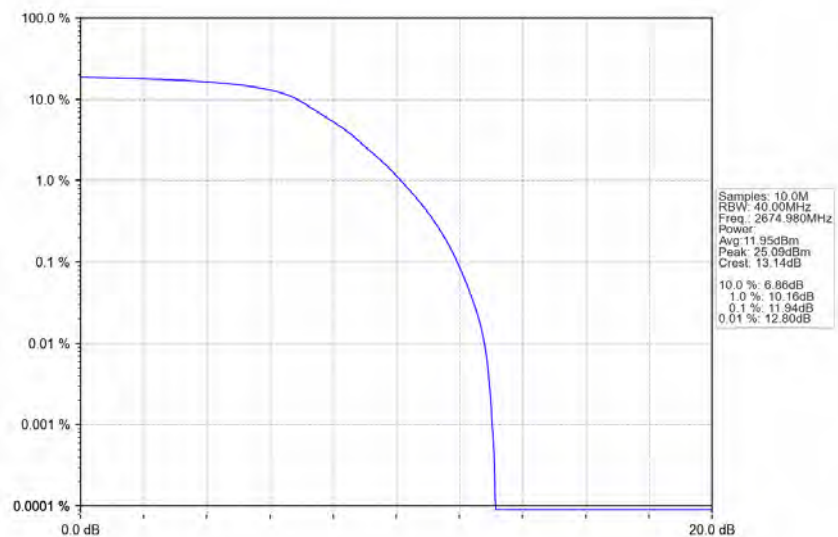
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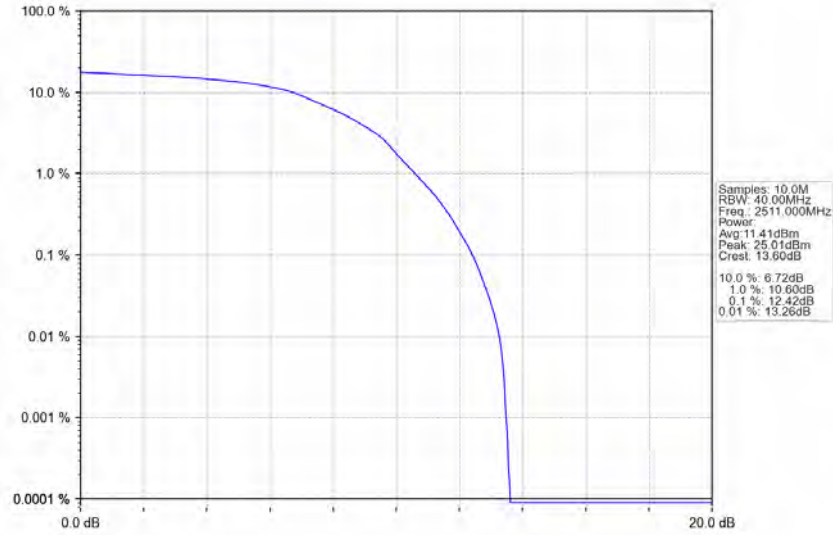
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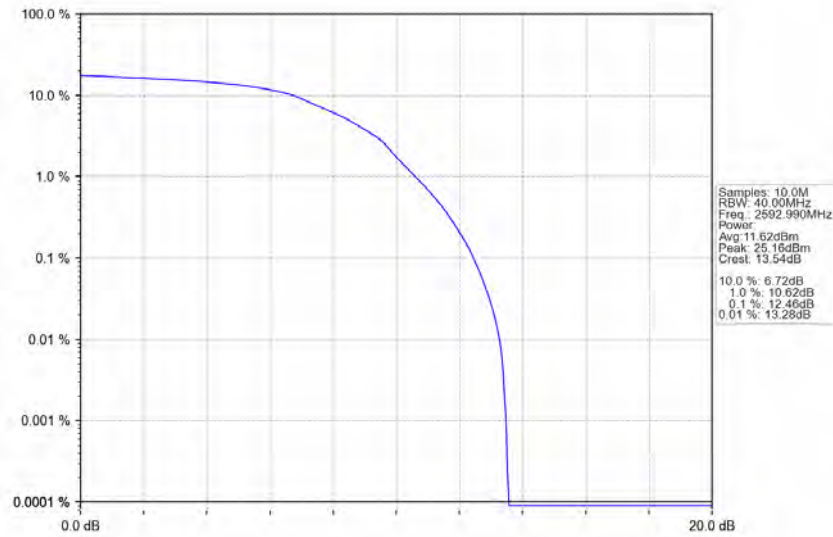
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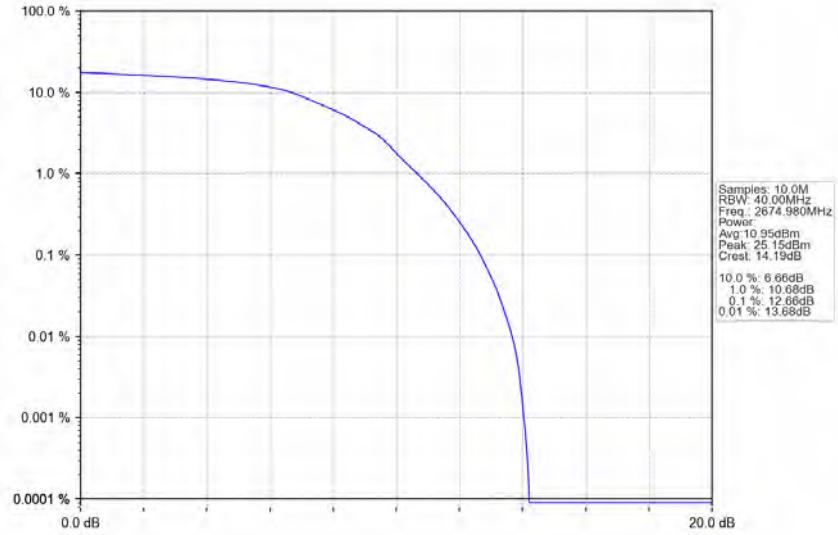
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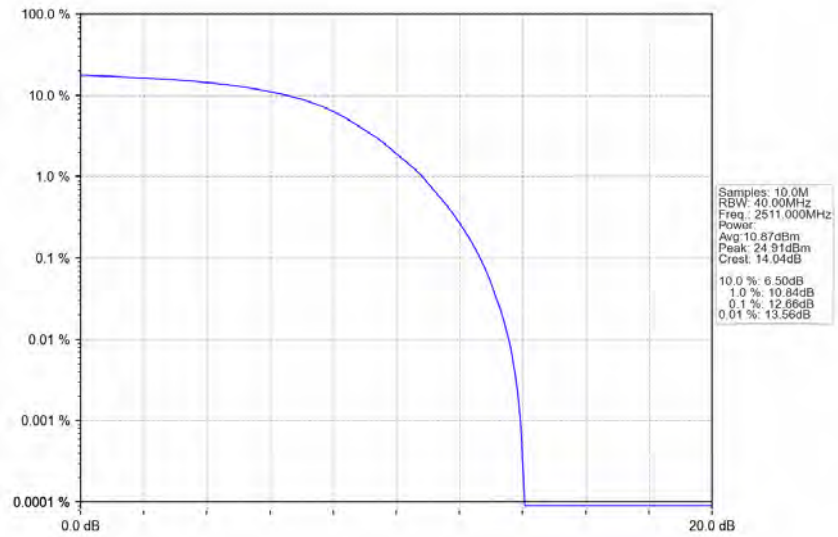
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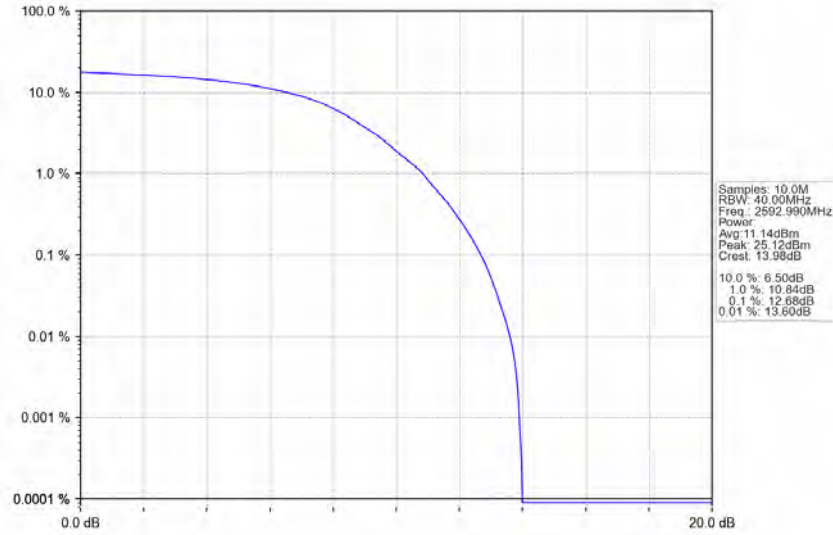
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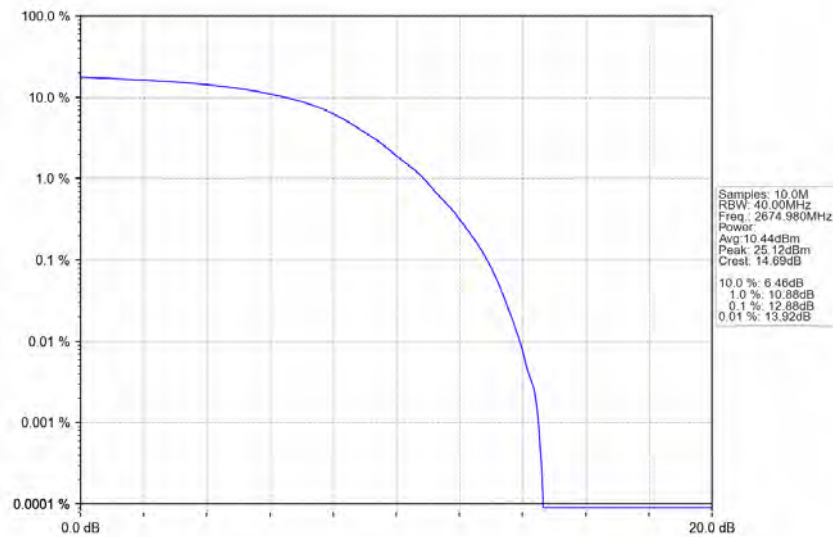
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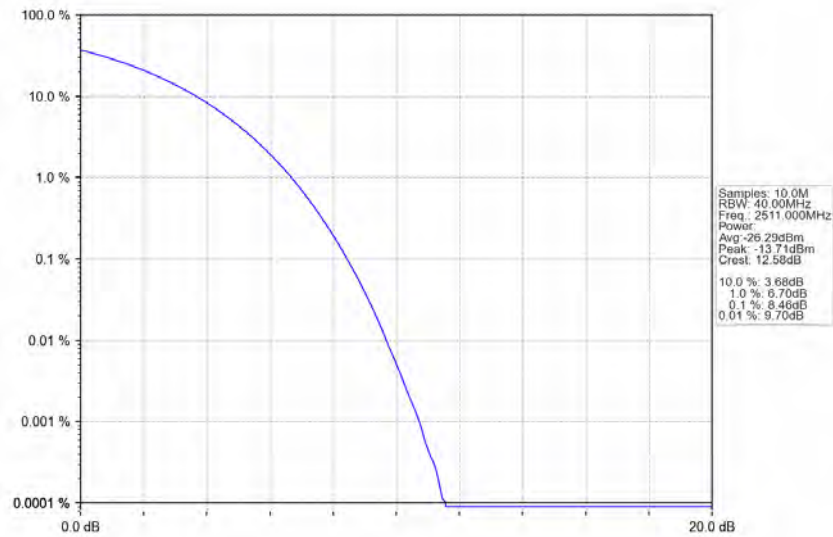
n41 30kHz SISO NTN 30MHz DFT-s-OFDM 64 QAM 2592.99MHz Outer Full Ant1



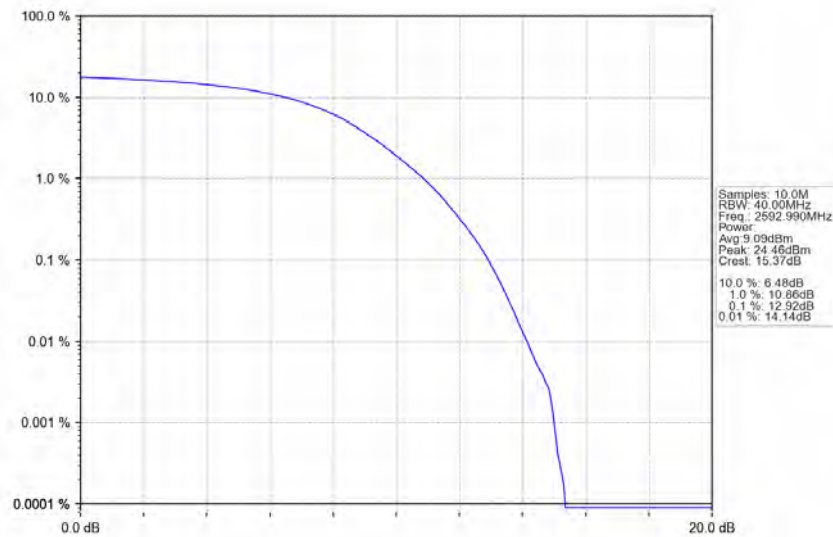
n41 30kHz SISO NTN 30MHz DFT-s-OFDM 64 QAM 2674.98MHz Outer Full Ant1



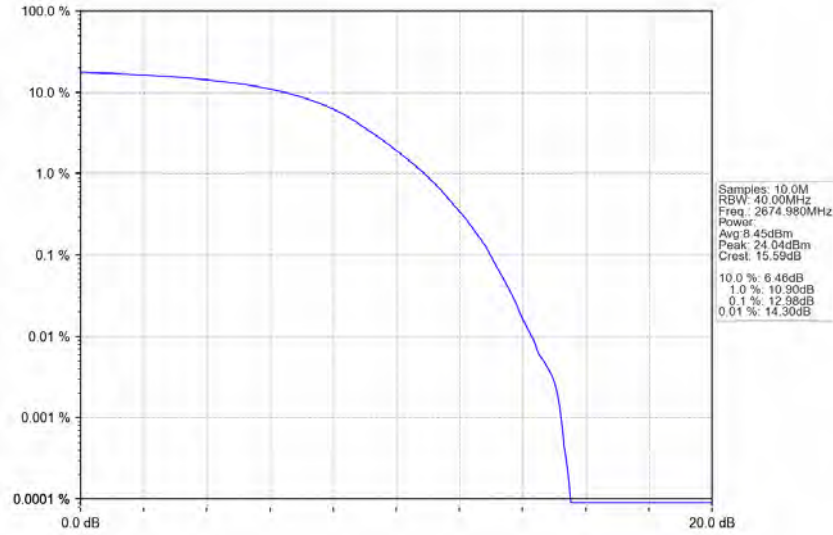
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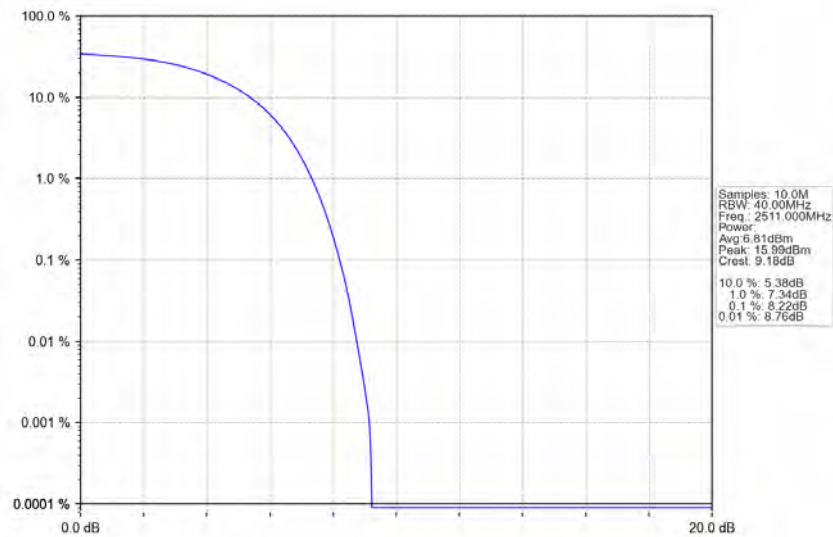
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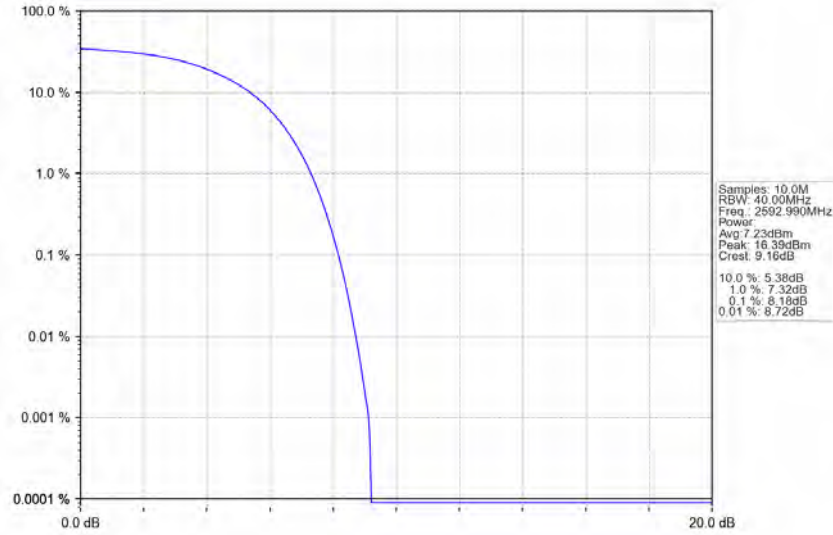
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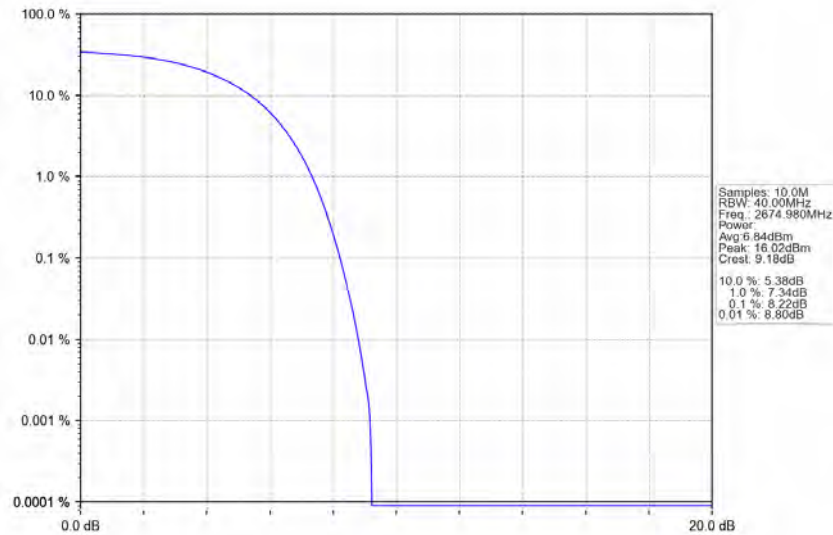
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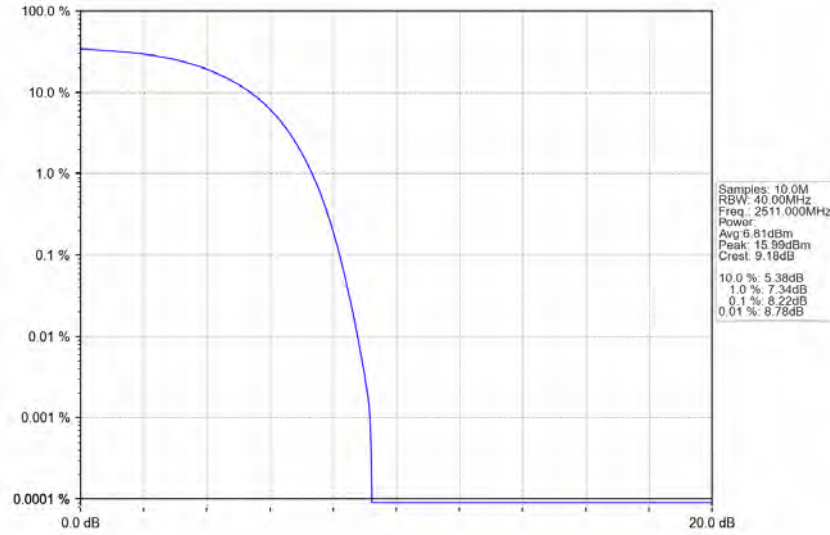
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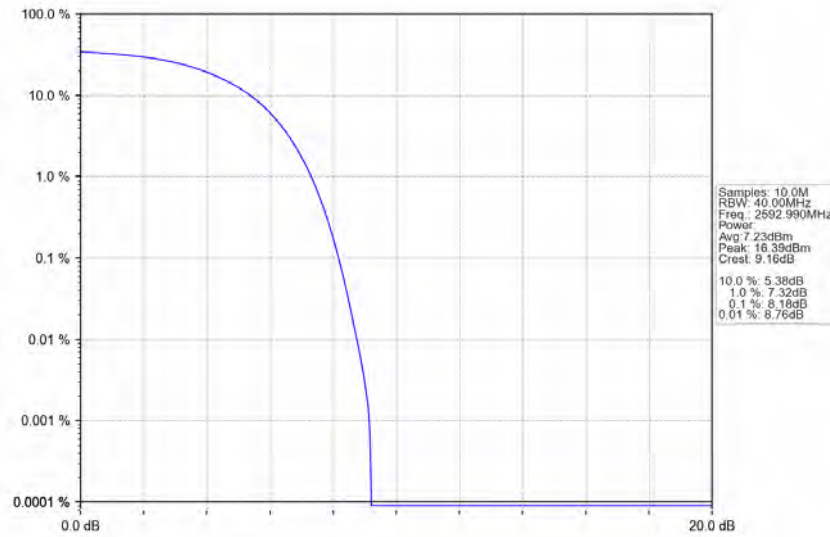
n41_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_2674.98MHz_Outer_Full_Ant1



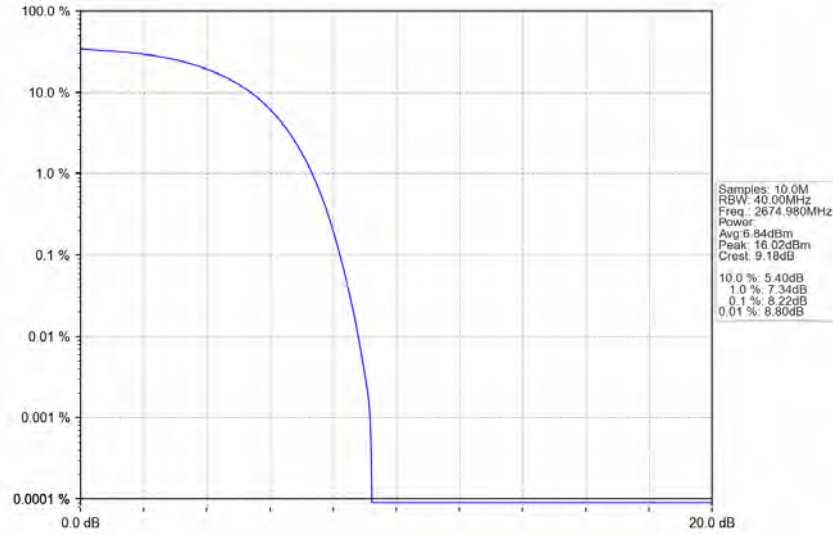
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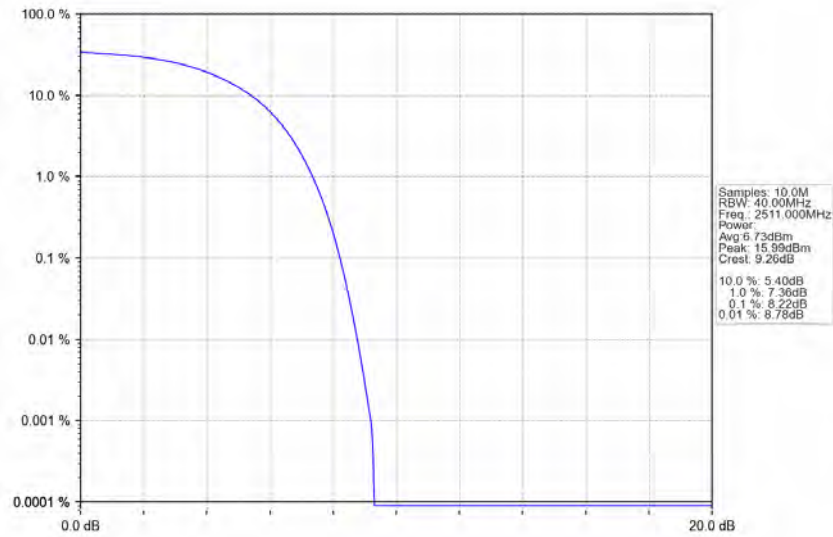
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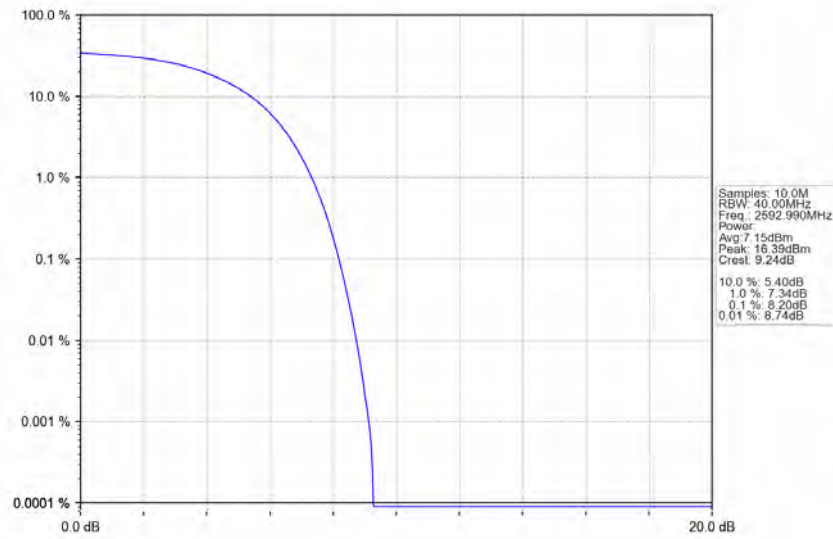
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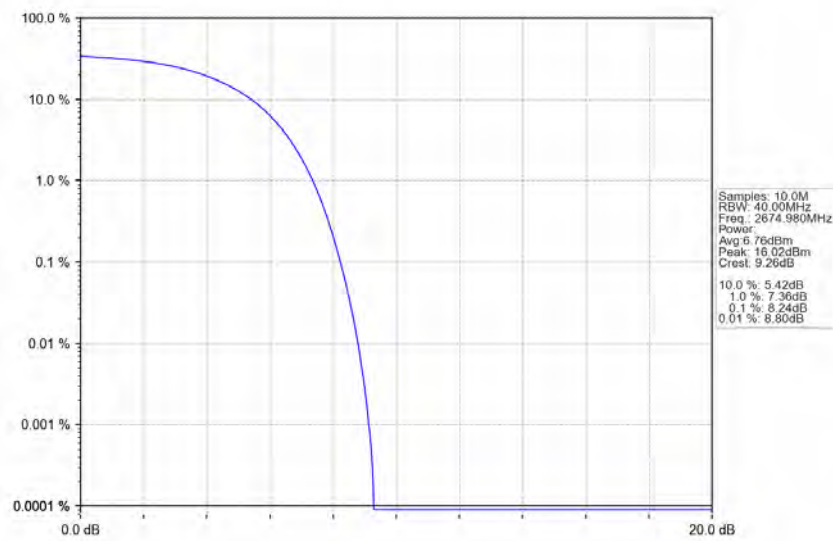
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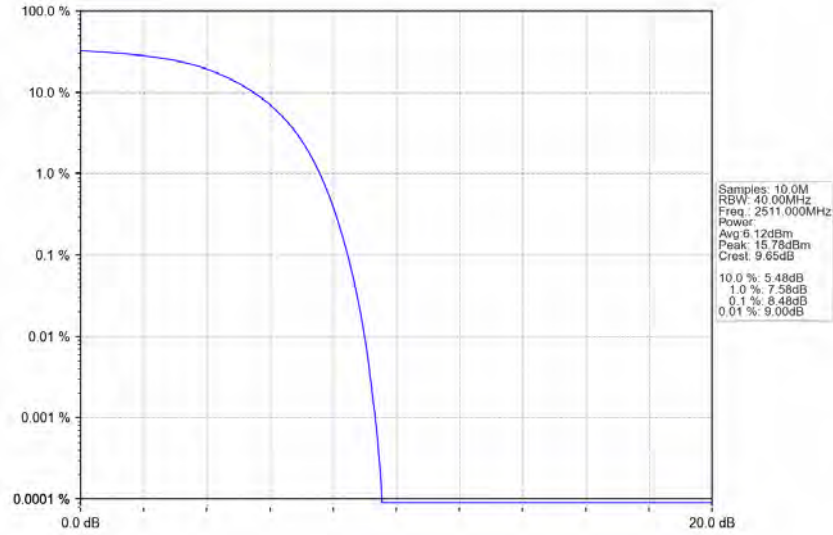
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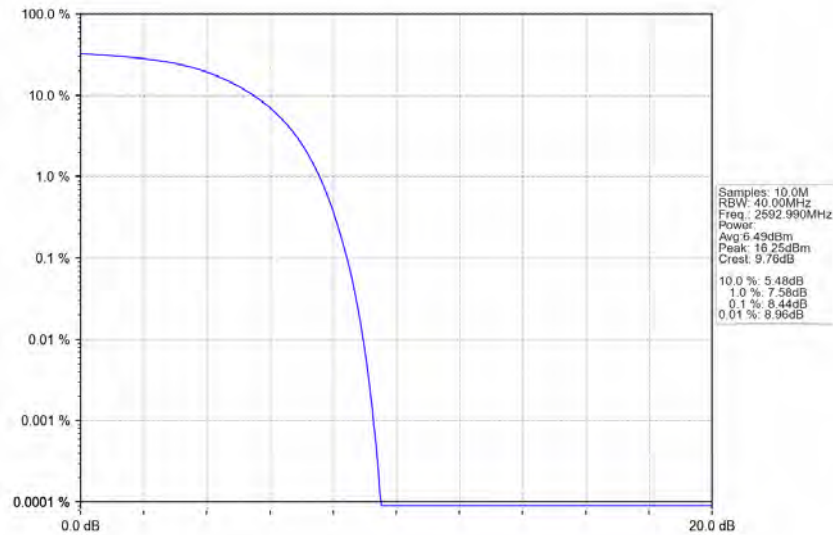
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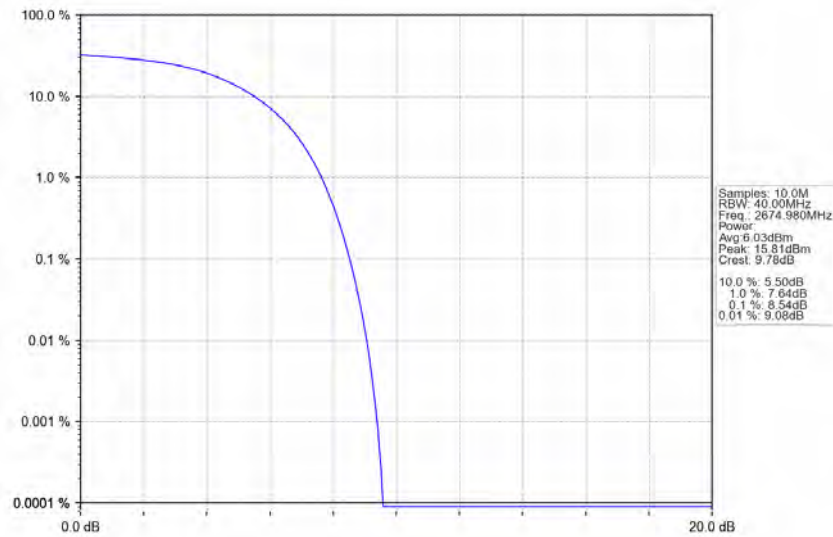


n41_30kHz_SISO_NTNV_30MHz_CP-OFDM_256_QAM_2511MHz_Outer_Full_Ant1

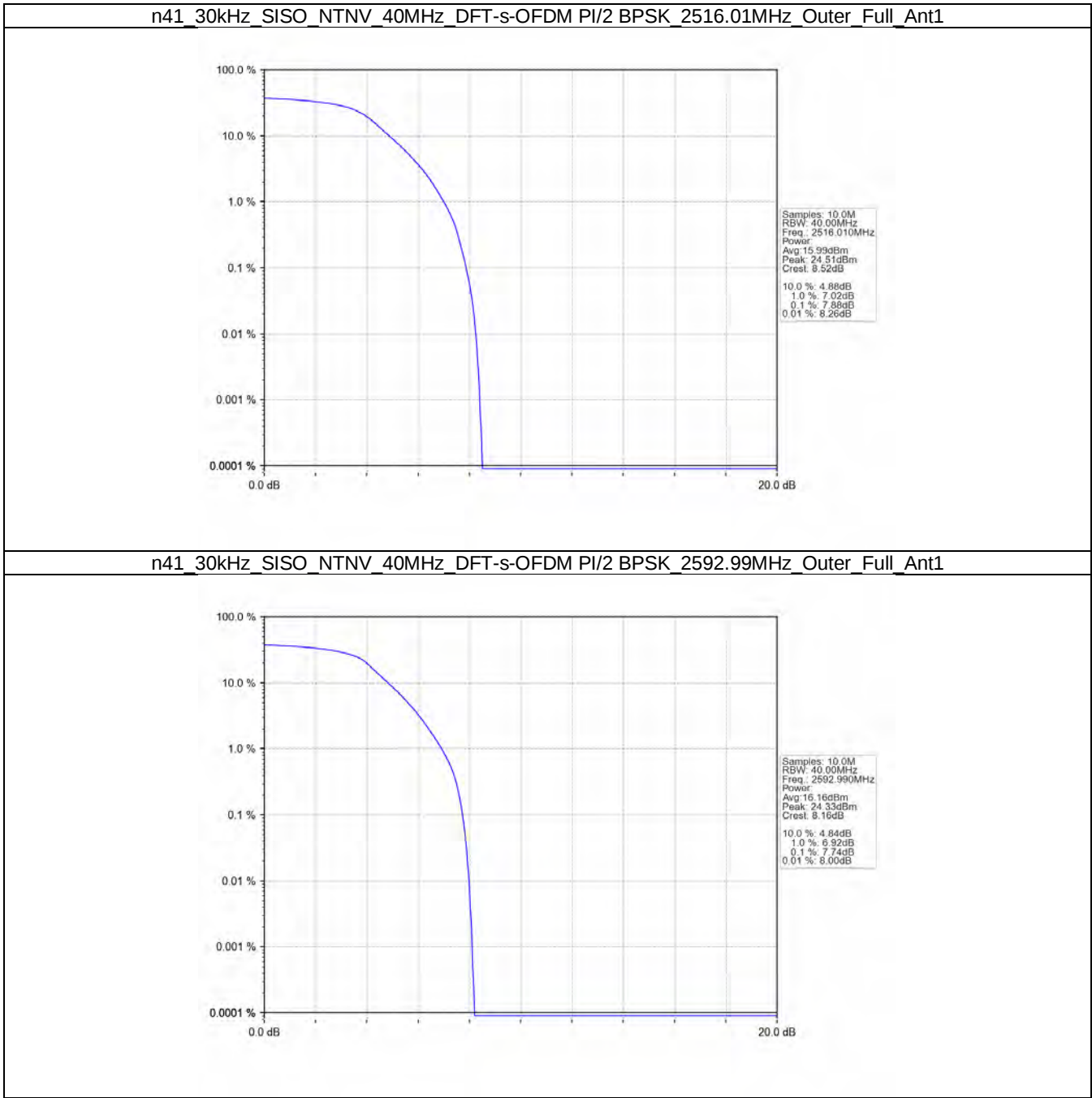


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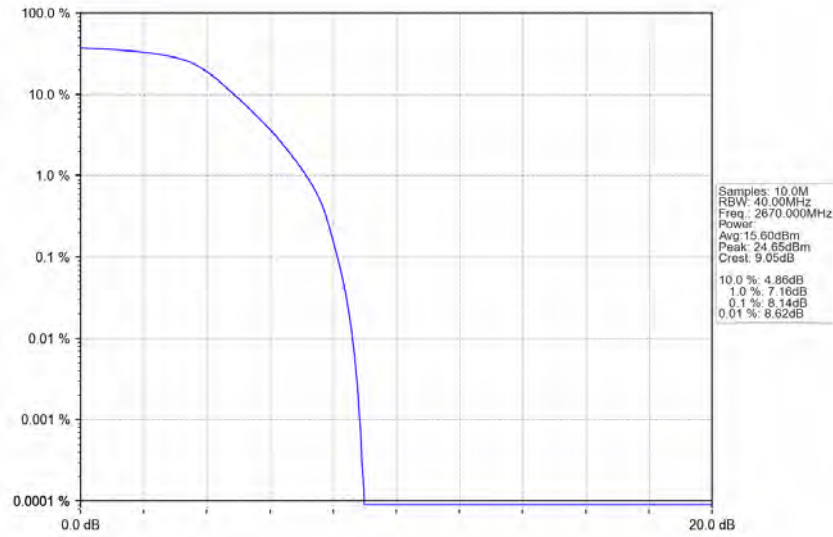




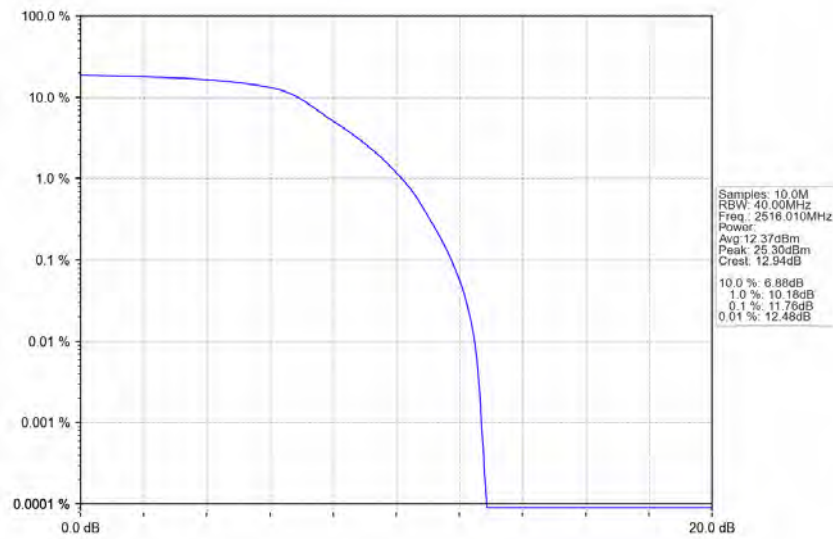
4.2.3 30k_SISO_40MHz_NTNV



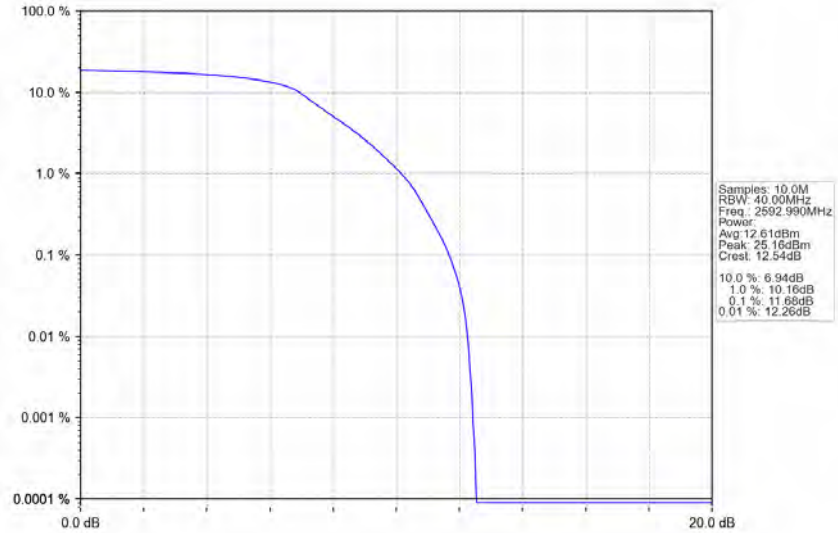
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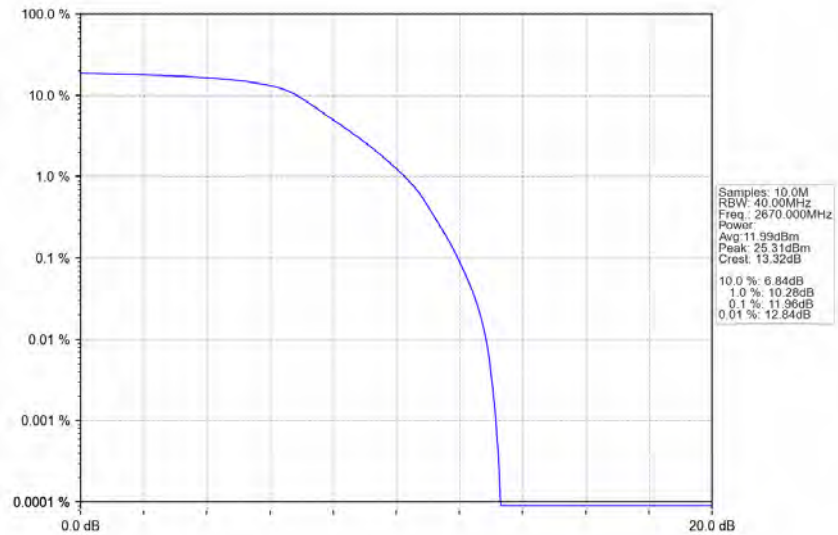
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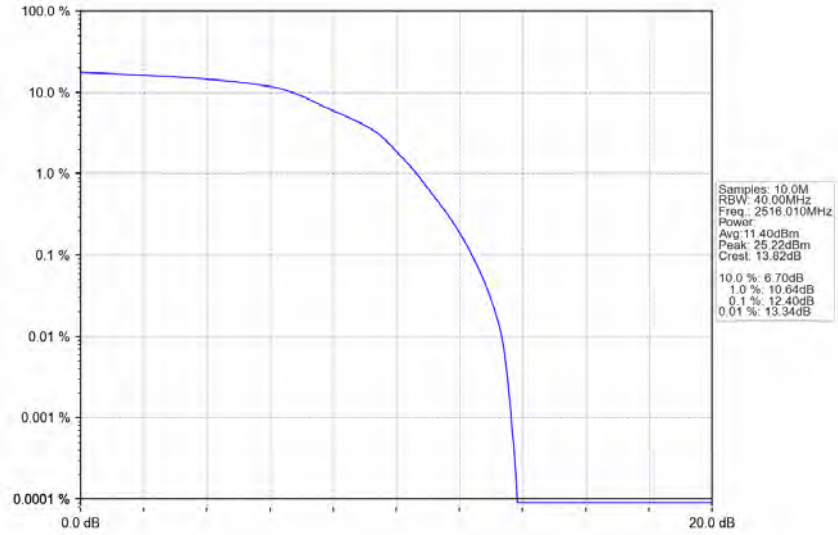
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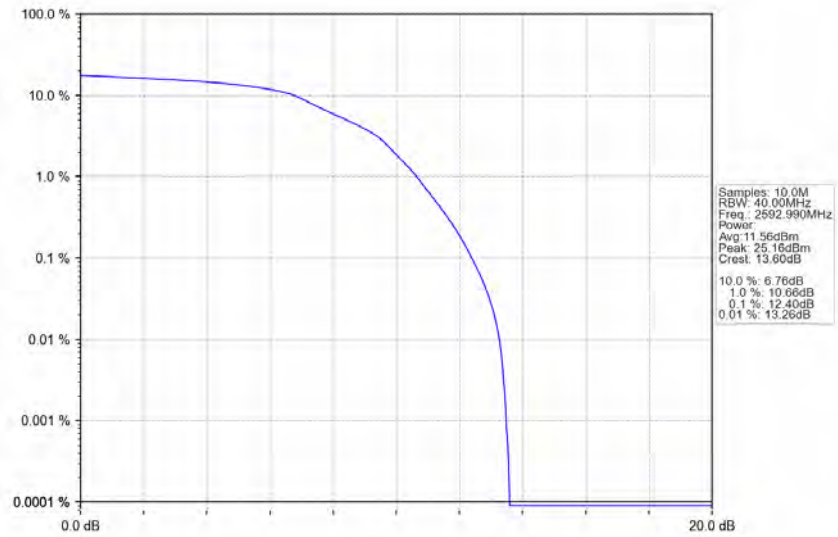
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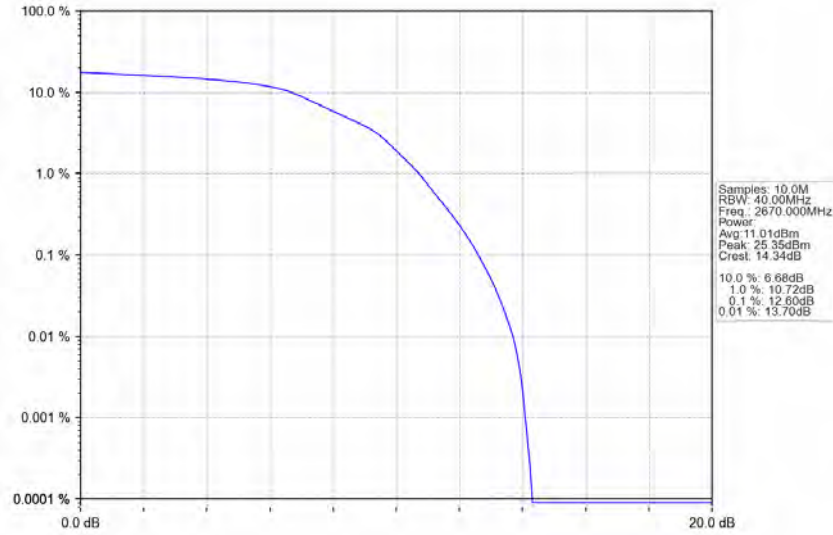
n41_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_16_QAM_2516.01MHz_Outer_Full_Ant1



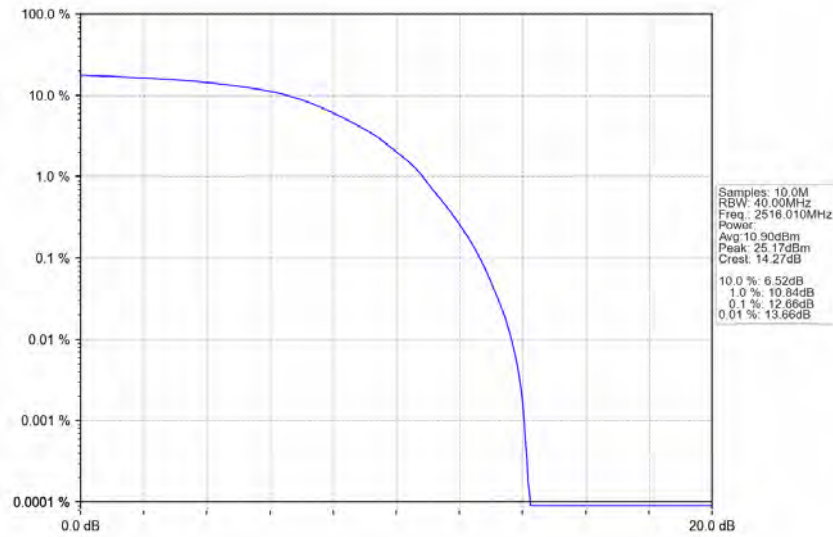
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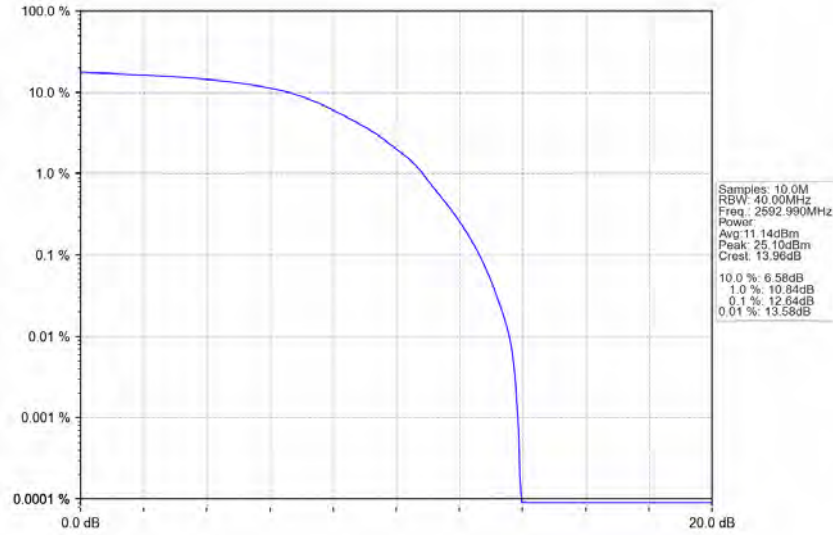
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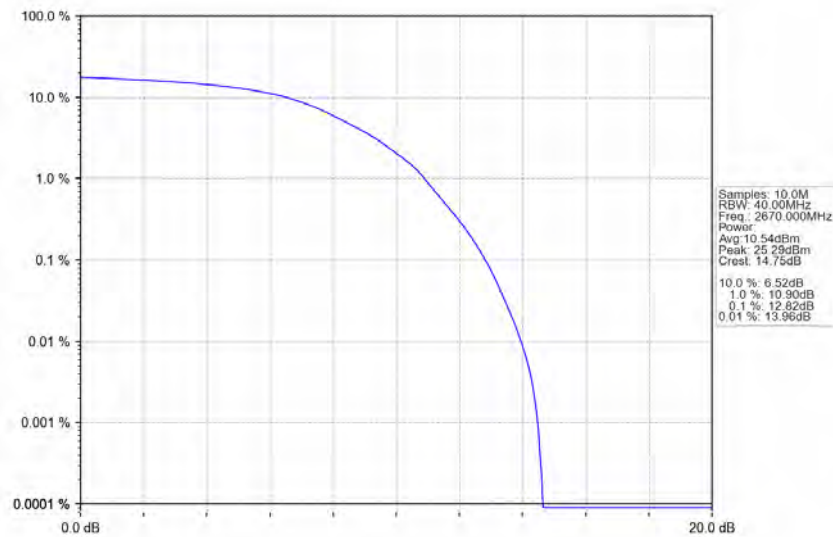
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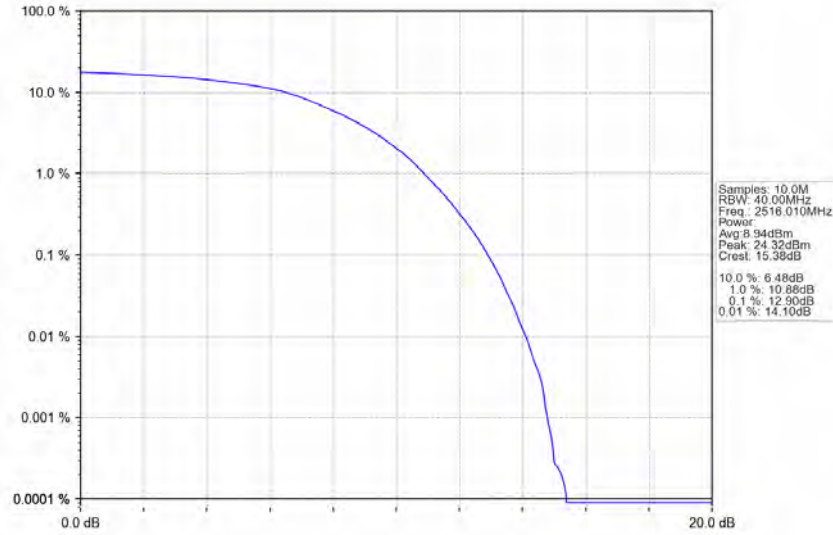
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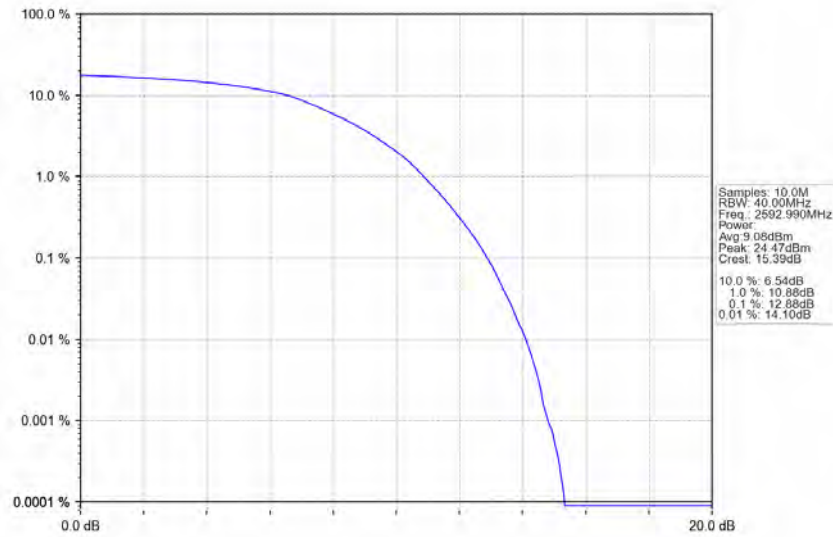
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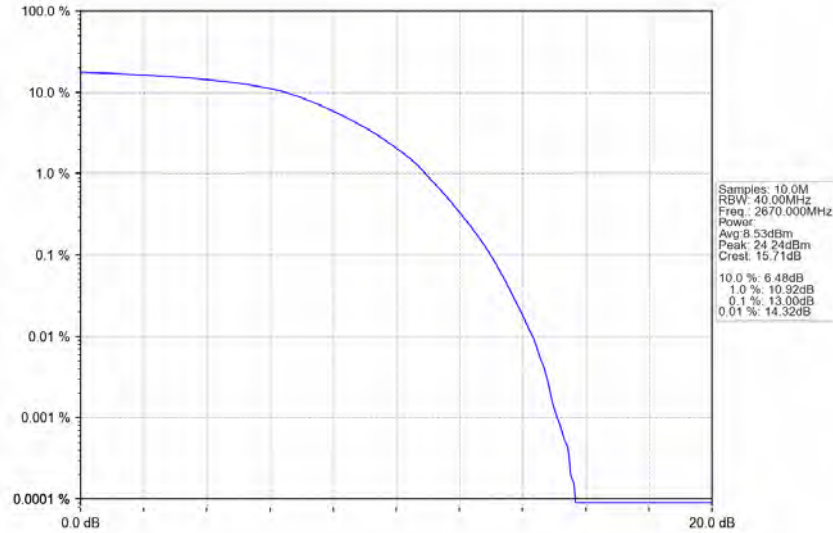
n41_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_2516.01MHz_Outer_Full_Ant1



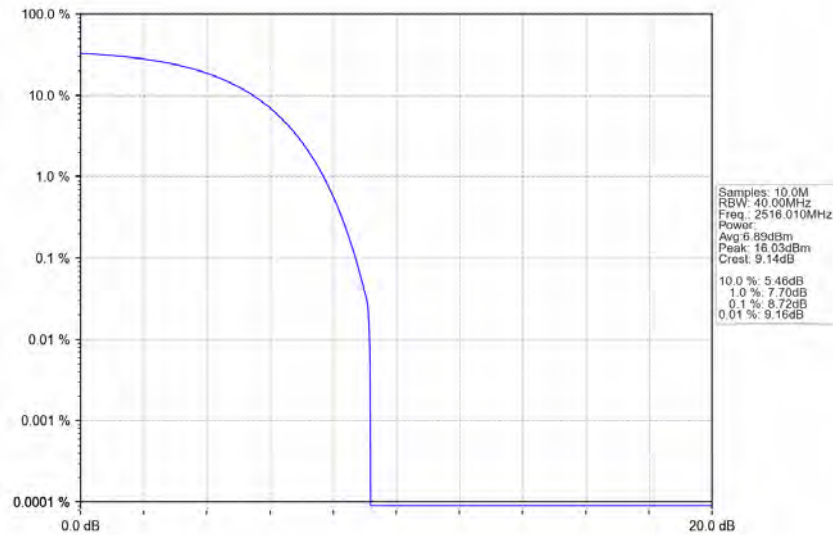
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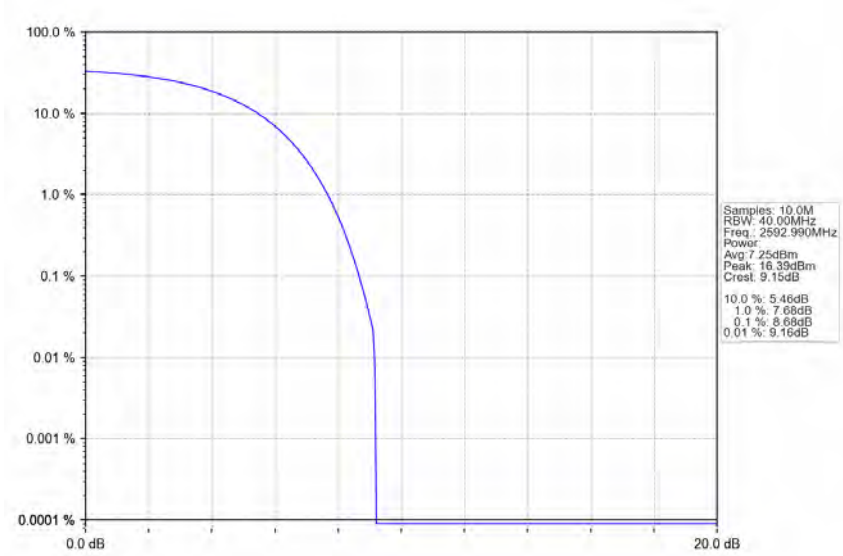
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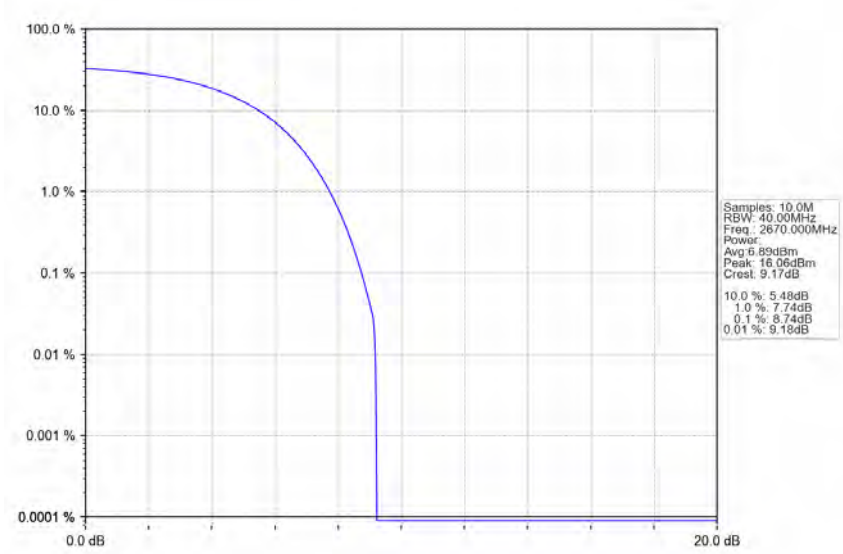
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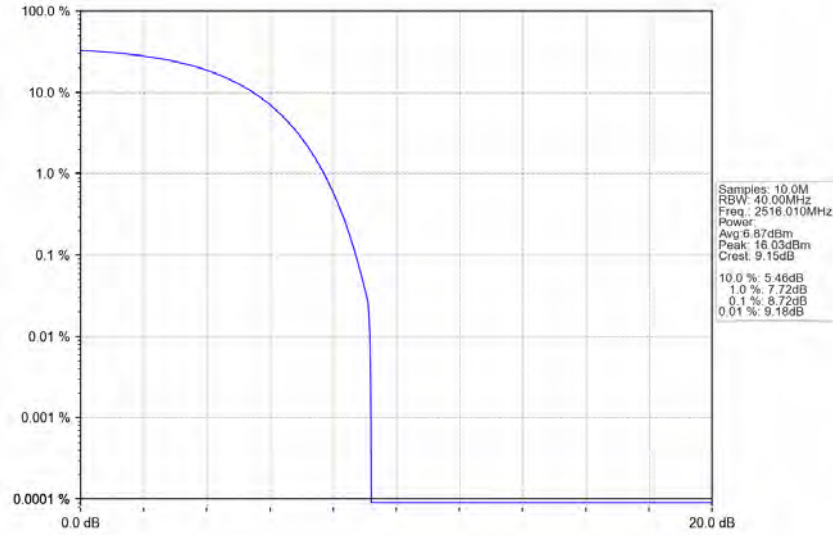
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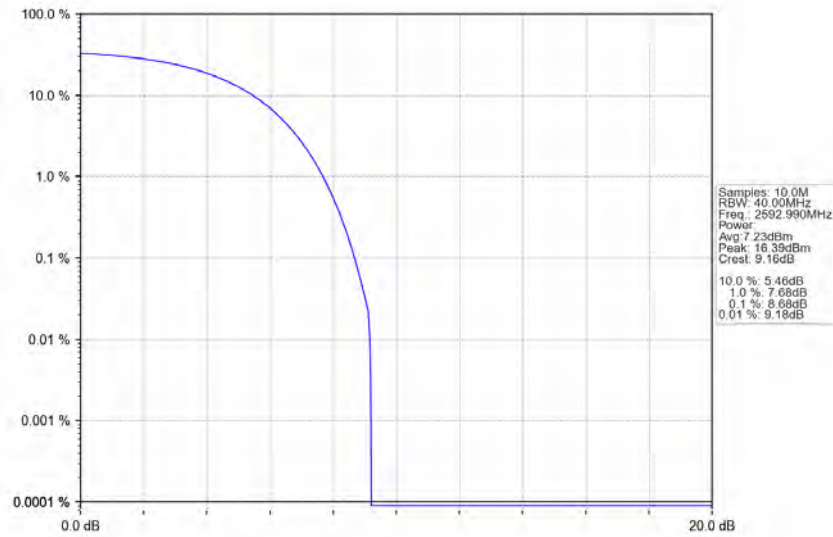
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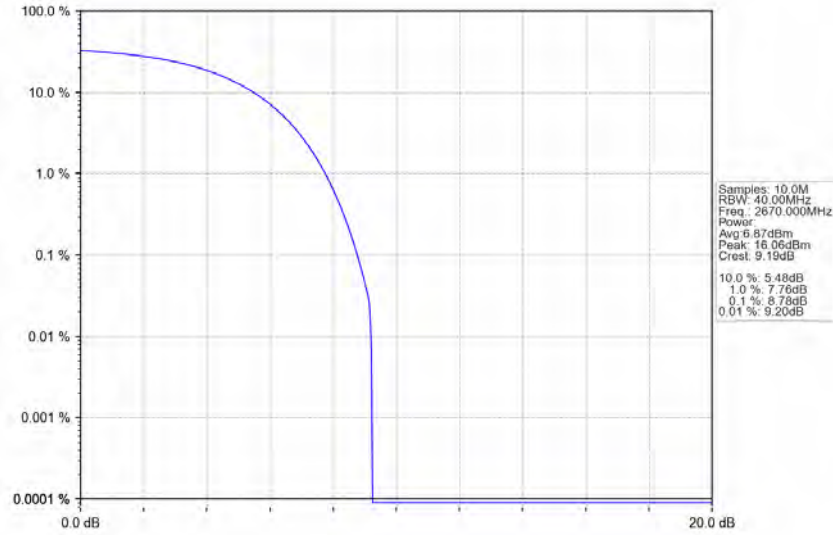
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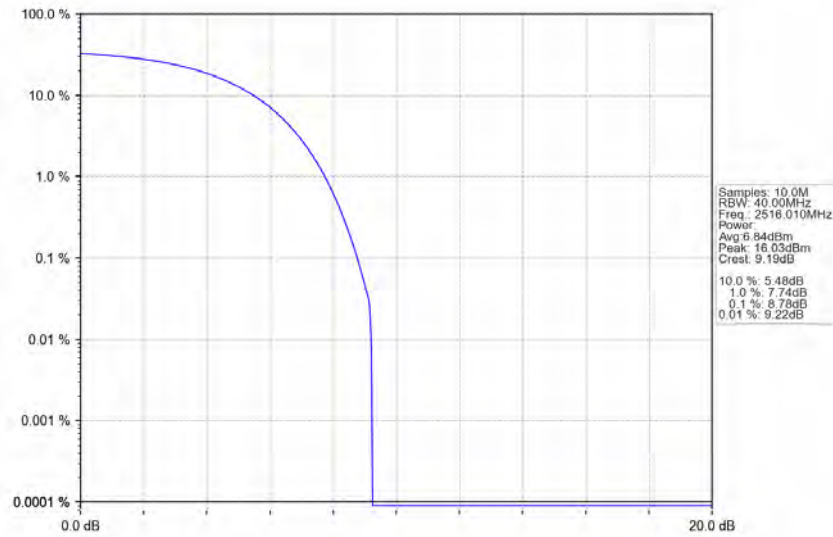
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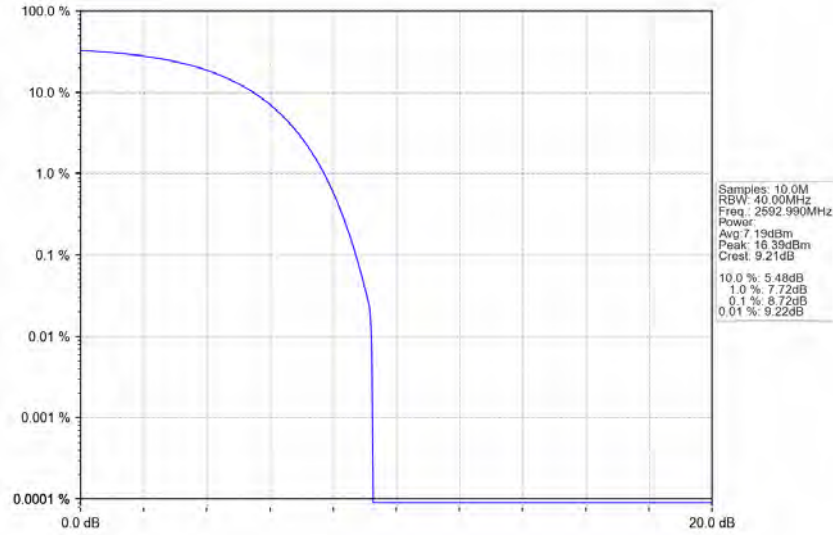
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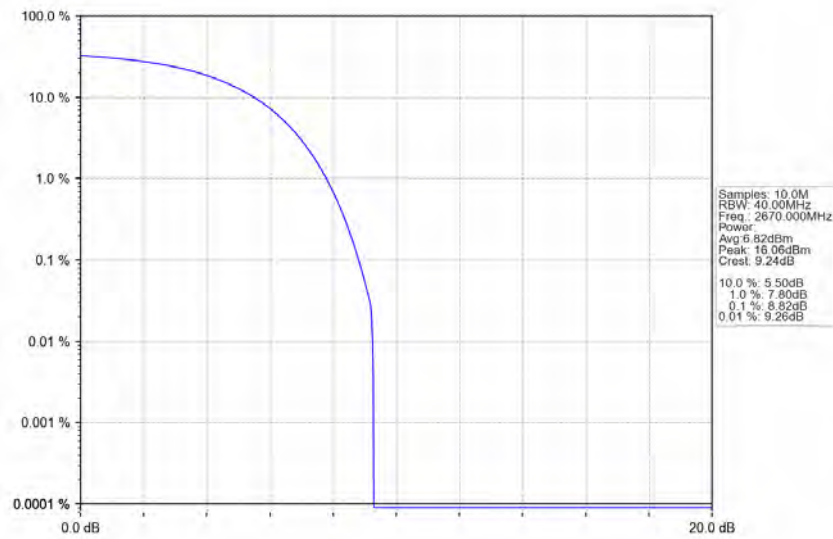
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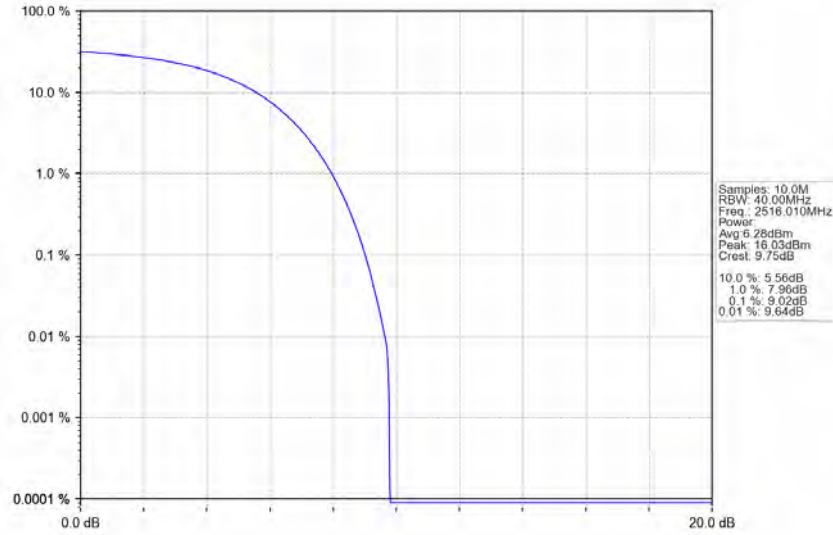
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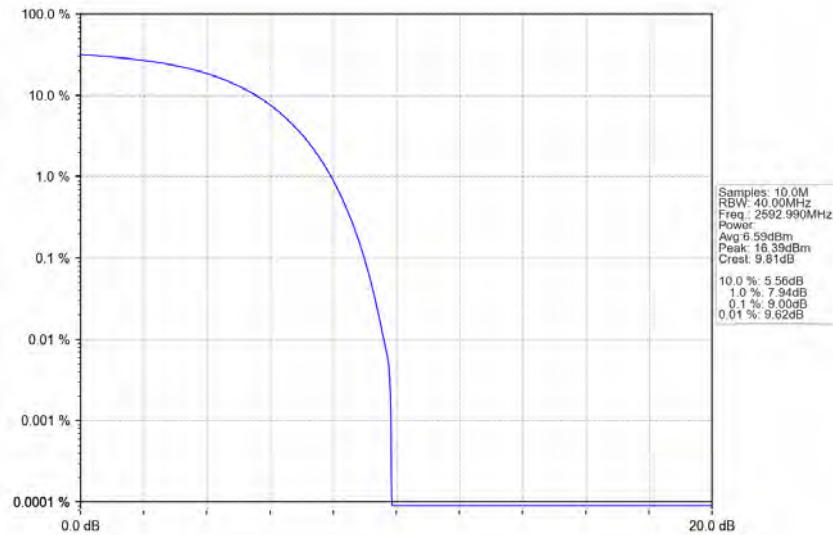
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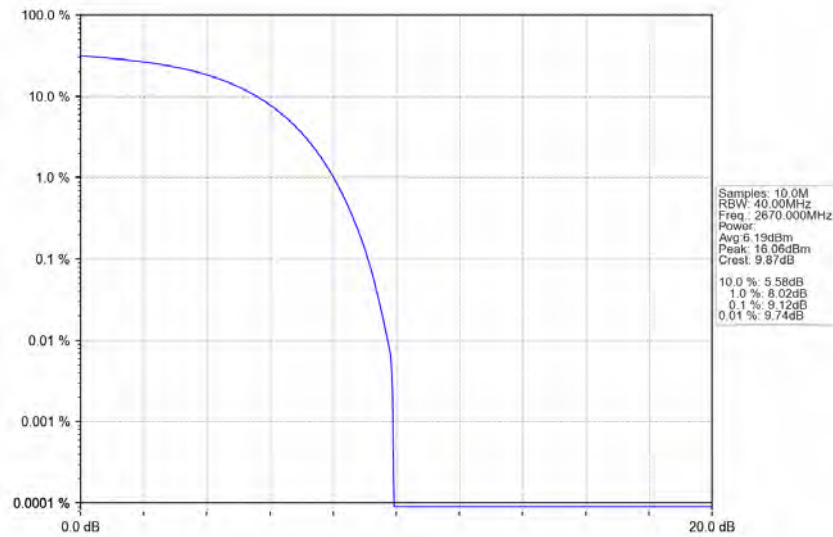


n41_30kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_2516.01MHz_Outer_Full_Ant1

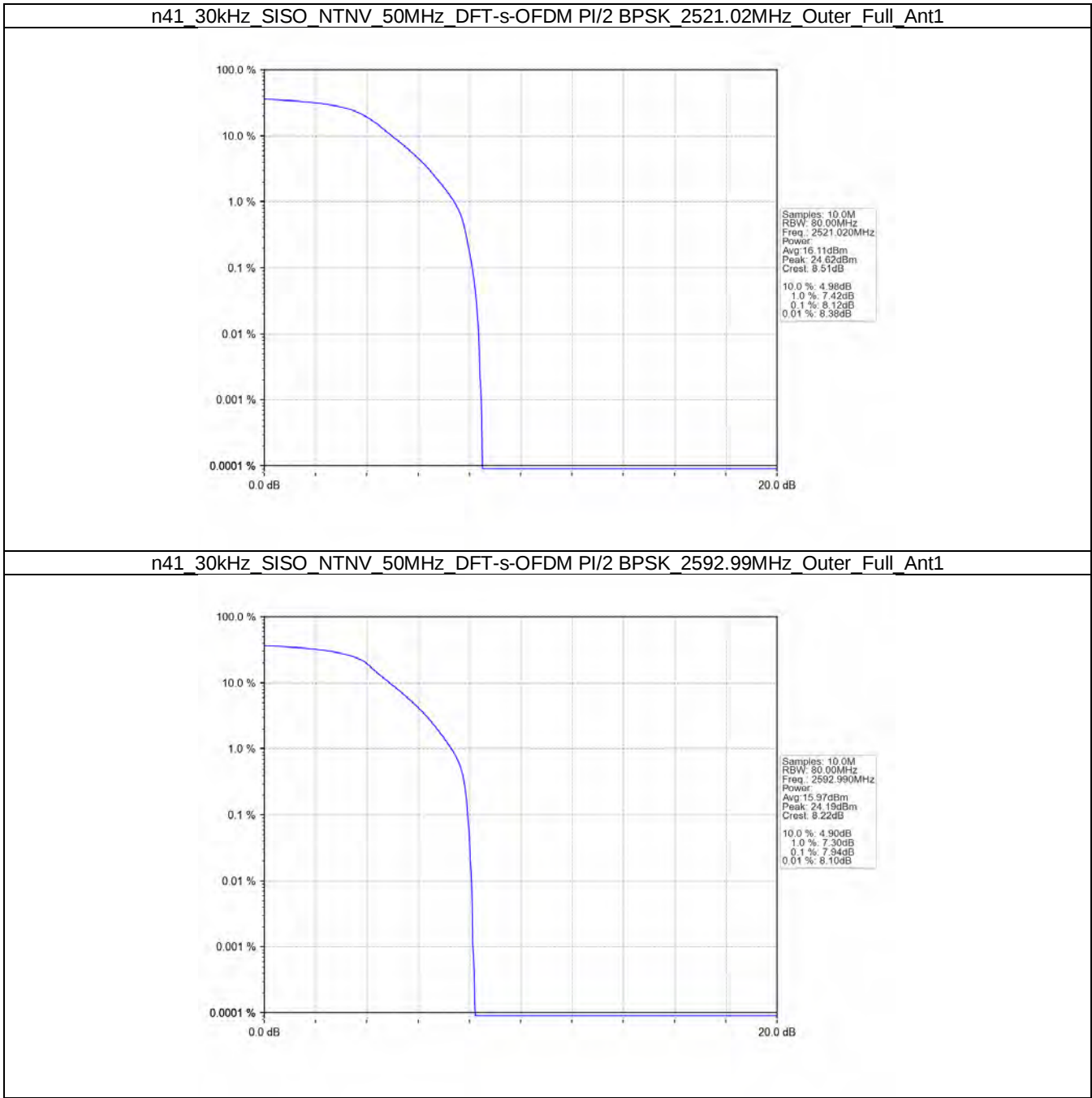


n41_30kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full_Ant1

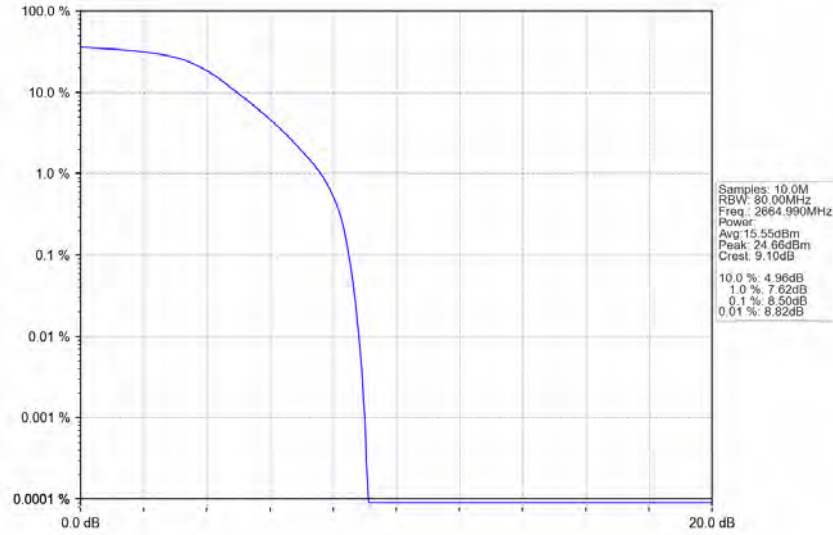




4.2.4 30k_SISO_50MHz_NTNV



n41_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_PI/2_BPSK_2664.99MHz_Outer_Full_Ant1



n41_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_2521.02MHz_Outer_Full_Ant1

