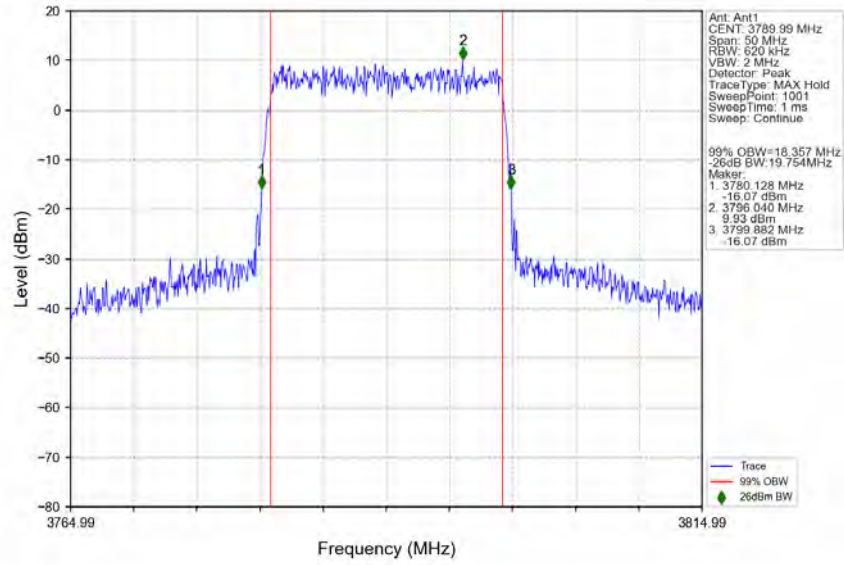
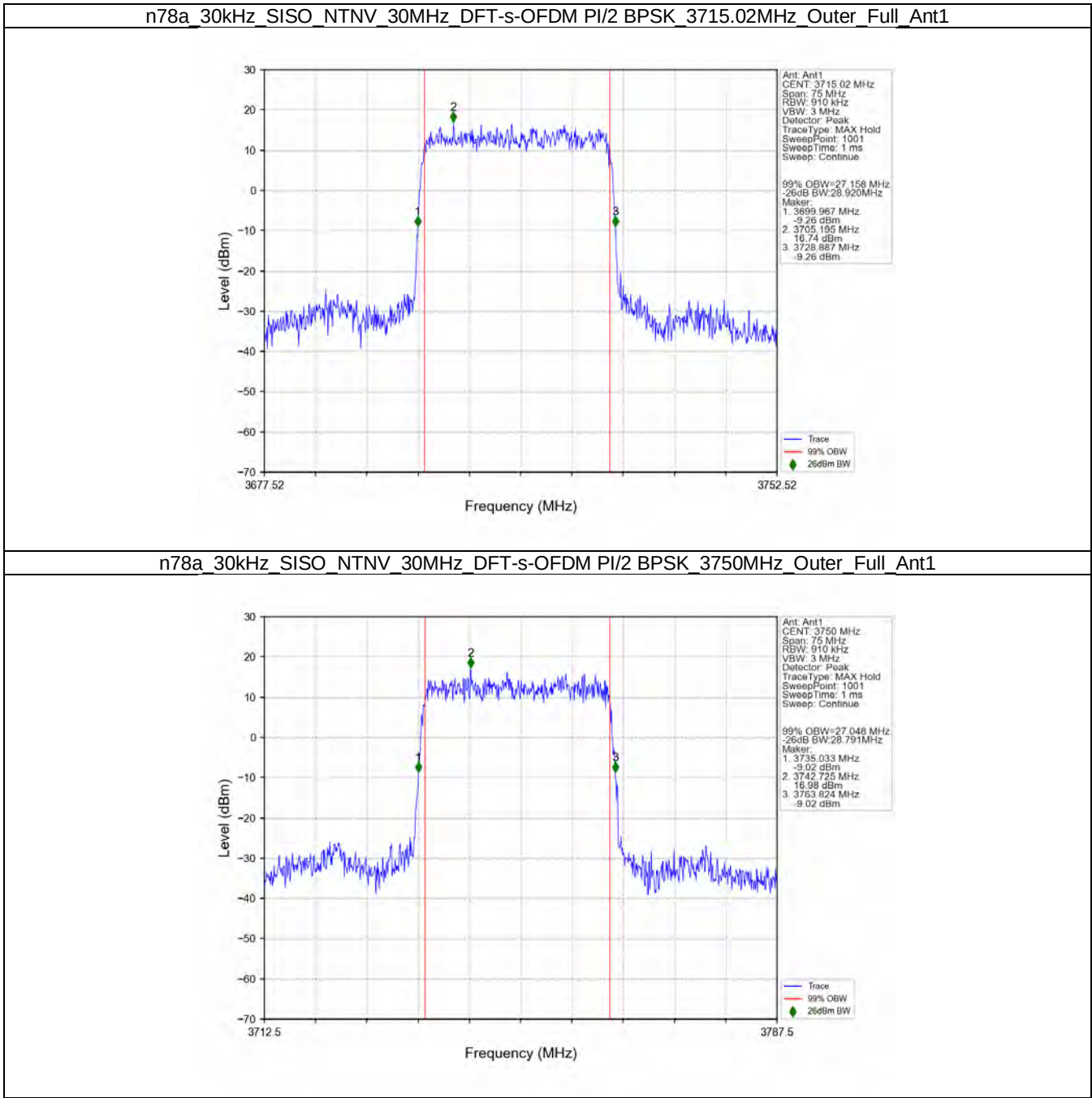


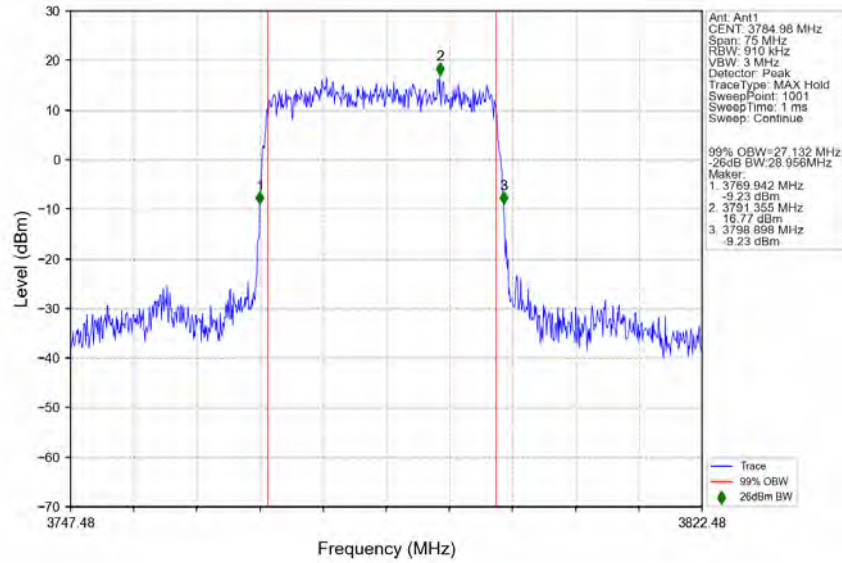
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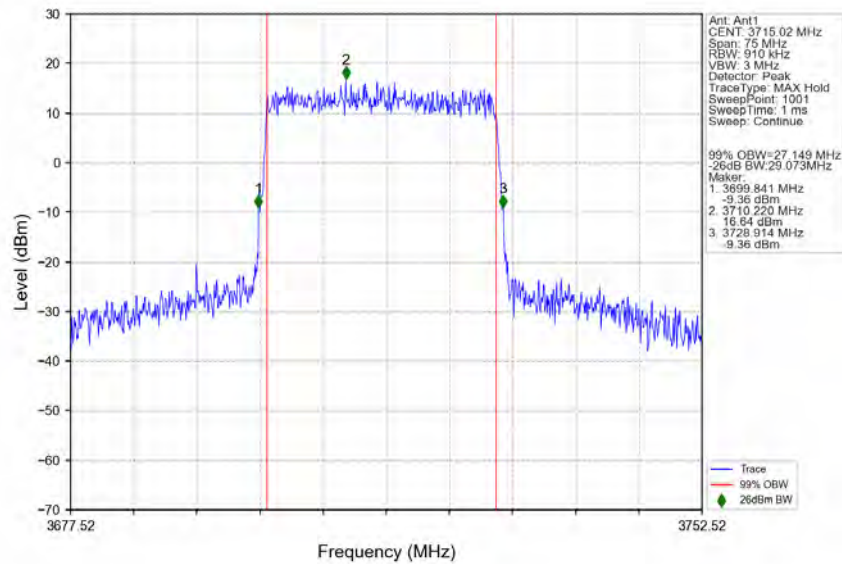
3.2.2 30k_SISO_30MHz_NTNV



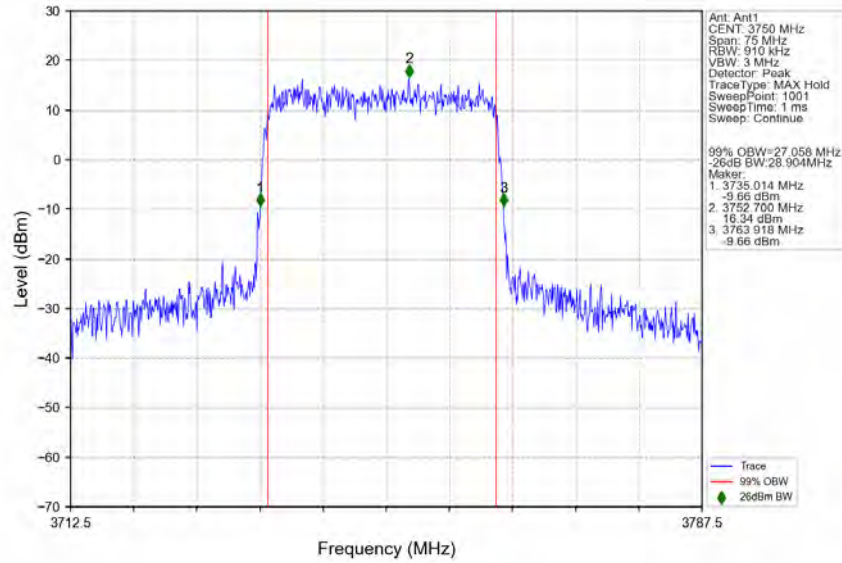
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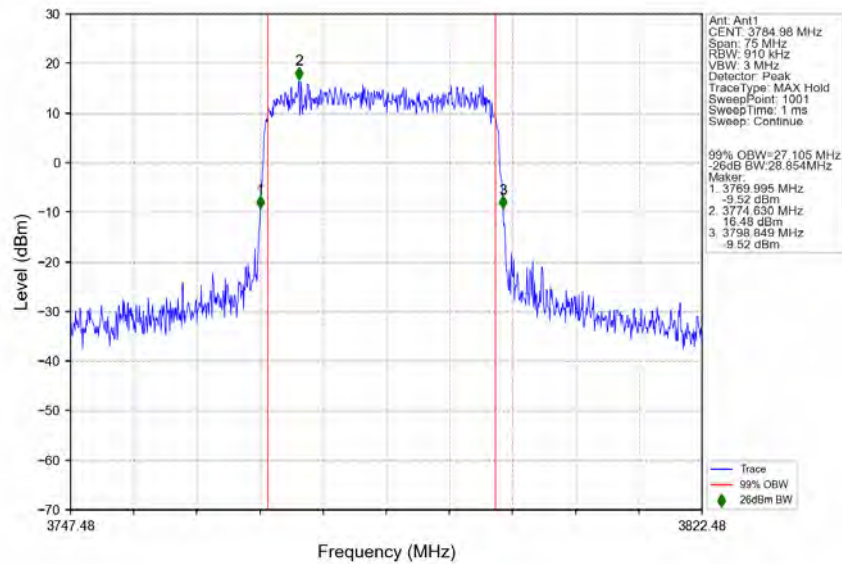
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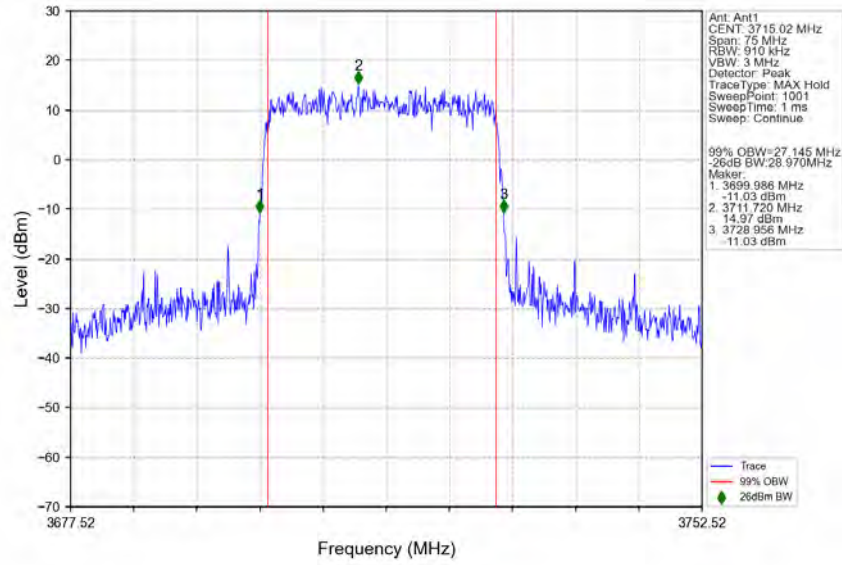
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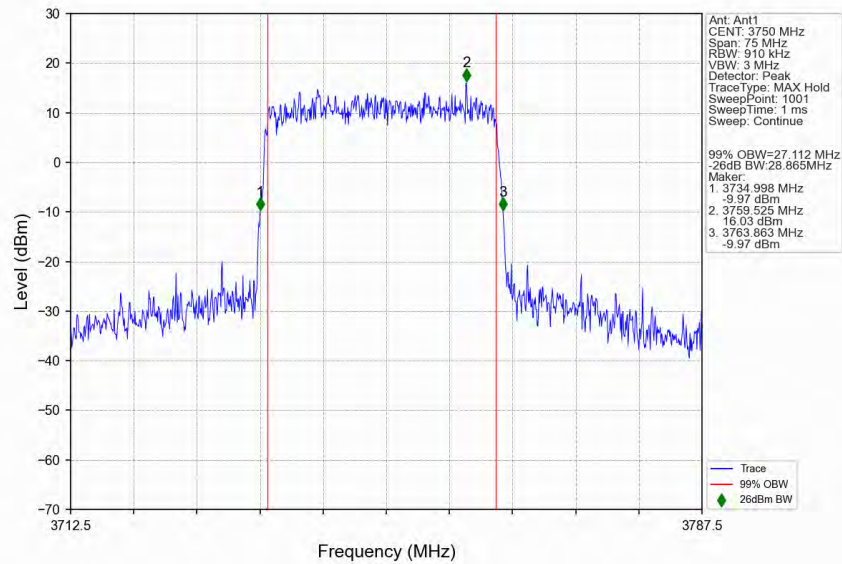
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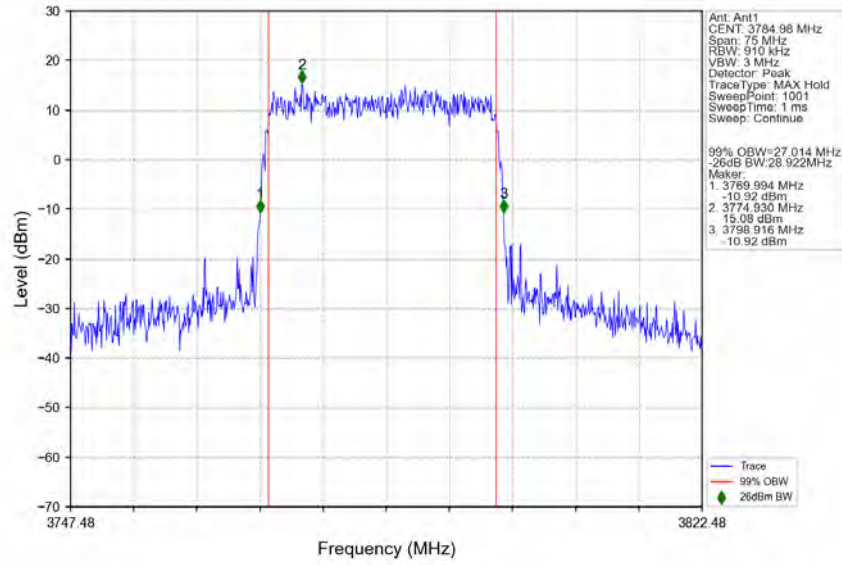
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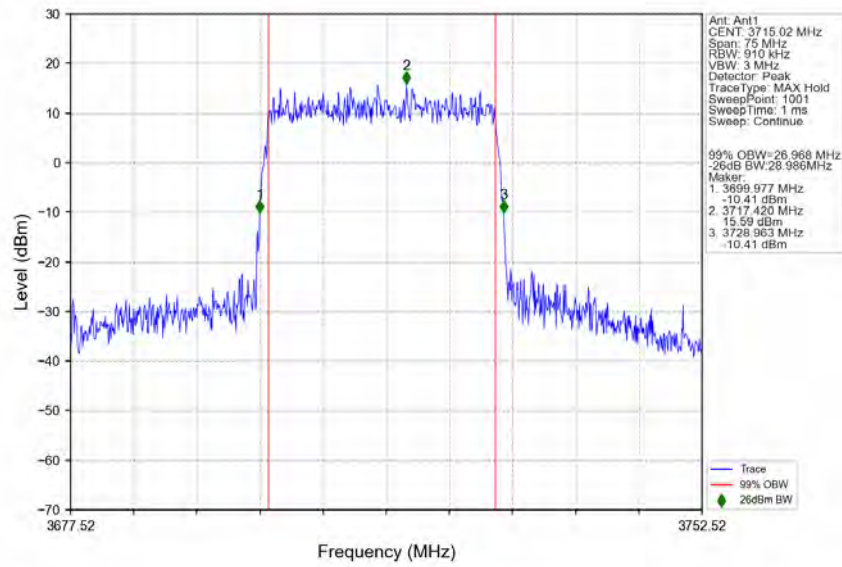
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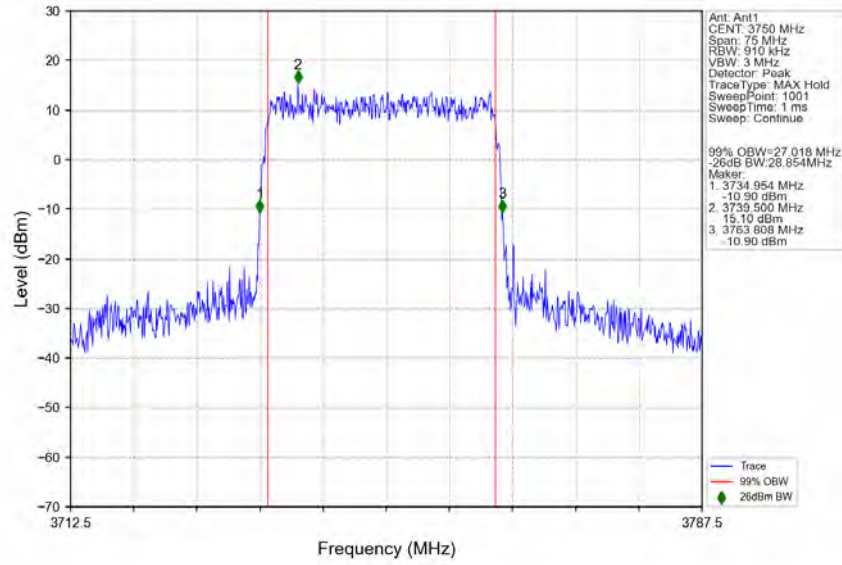
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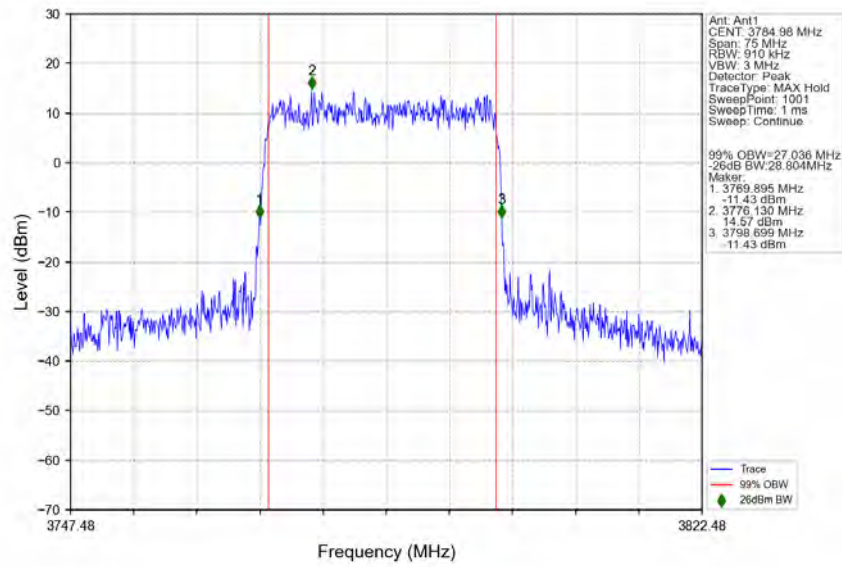
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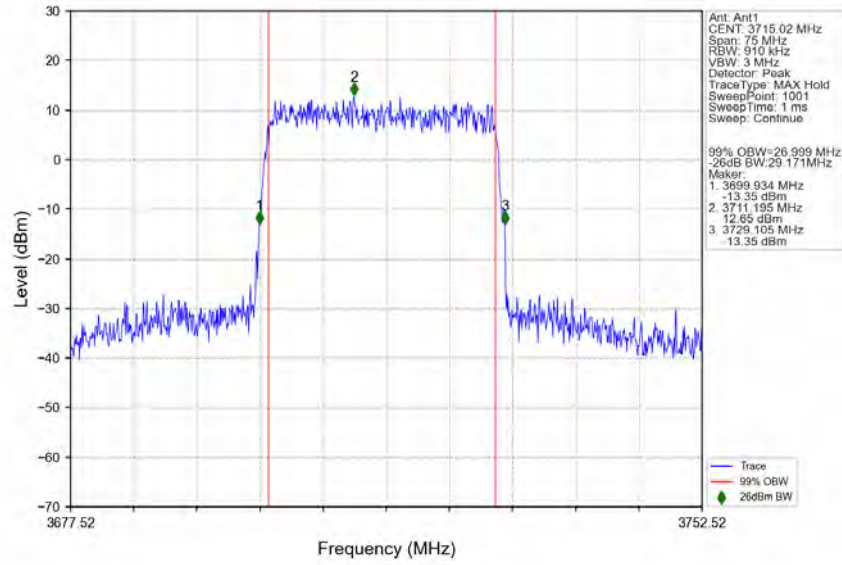
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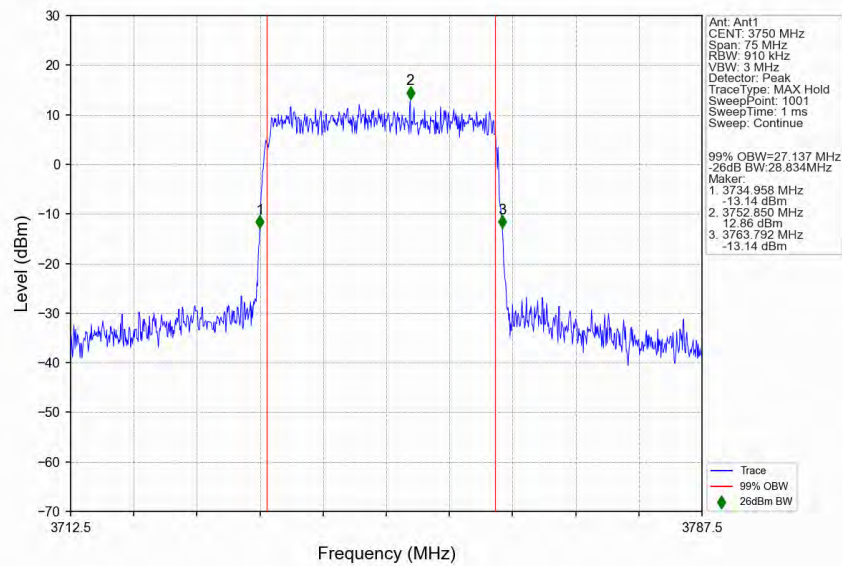
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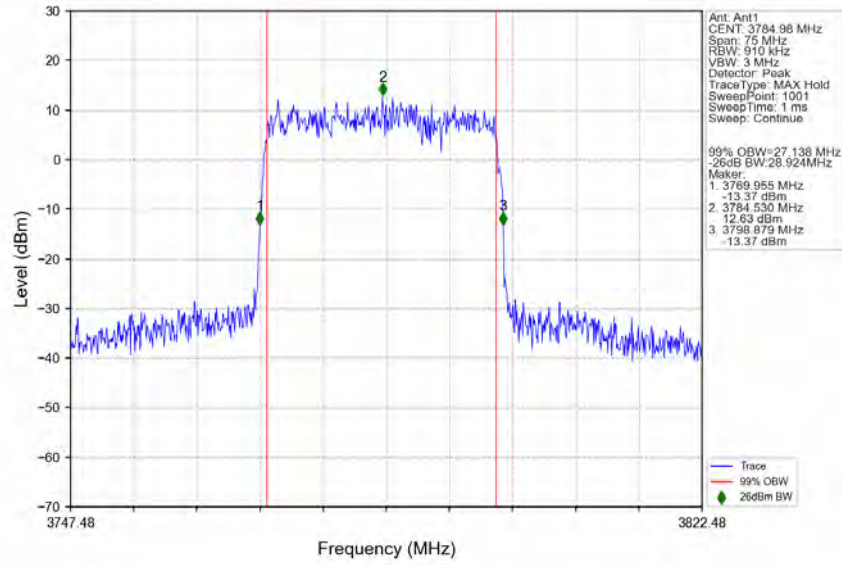
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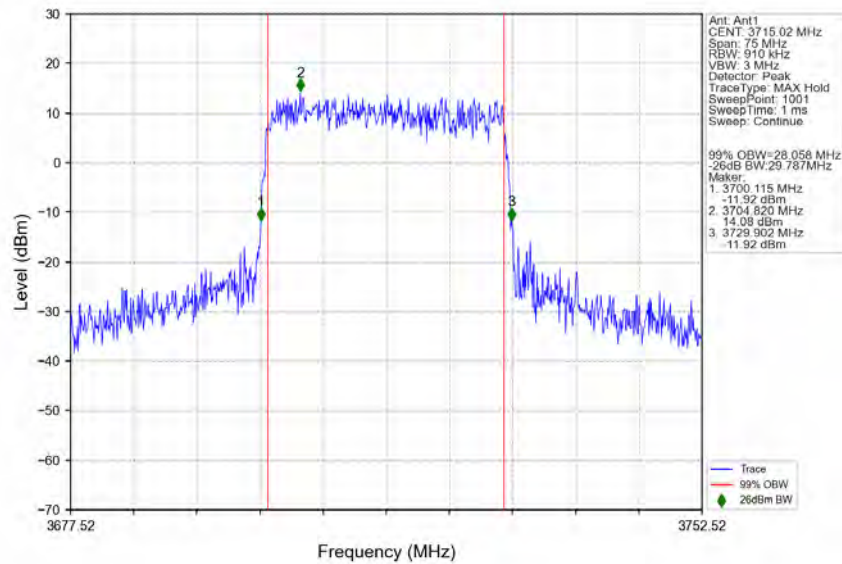
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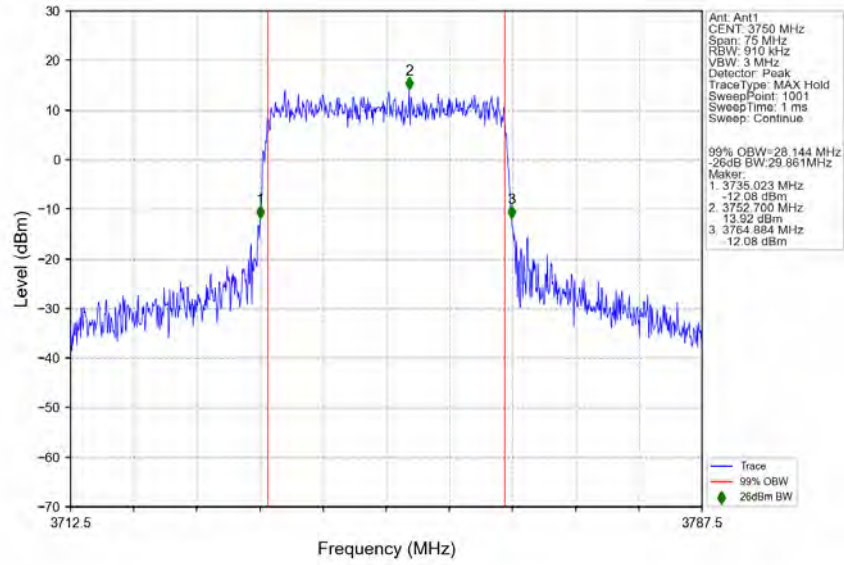
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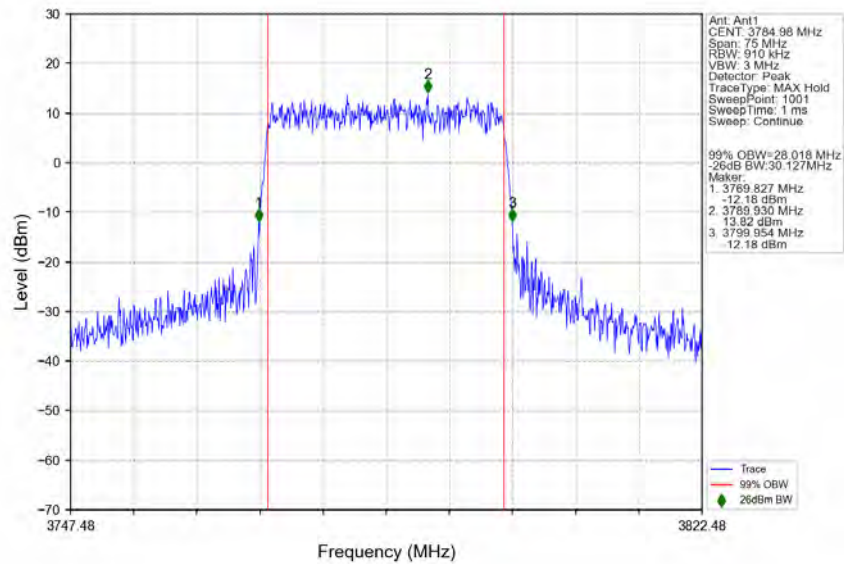
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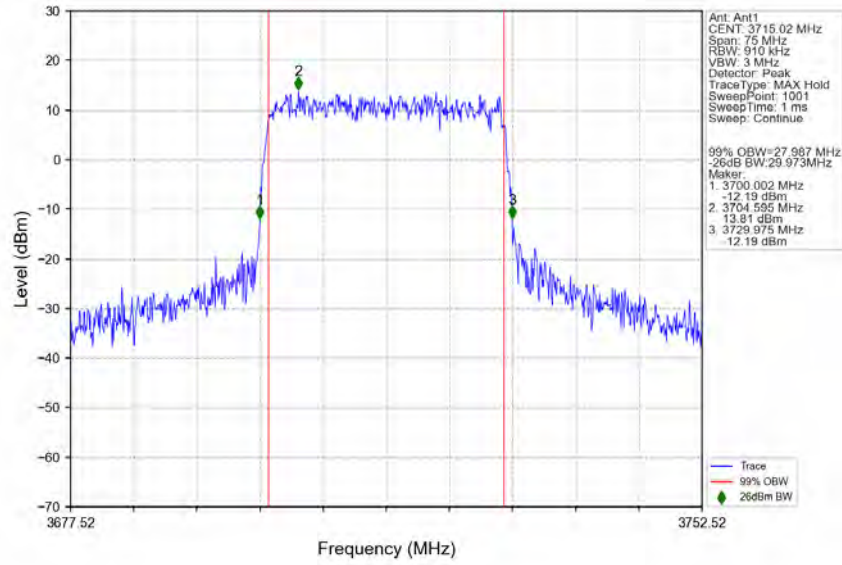
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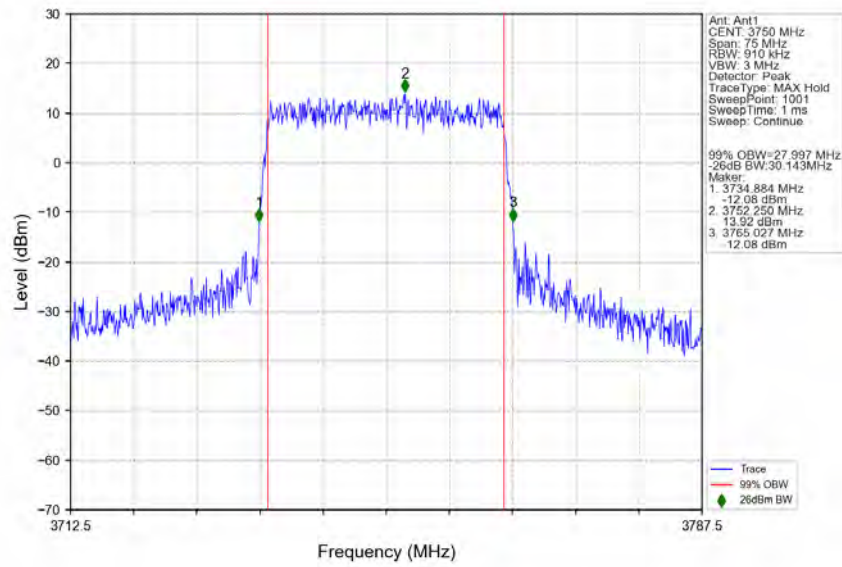
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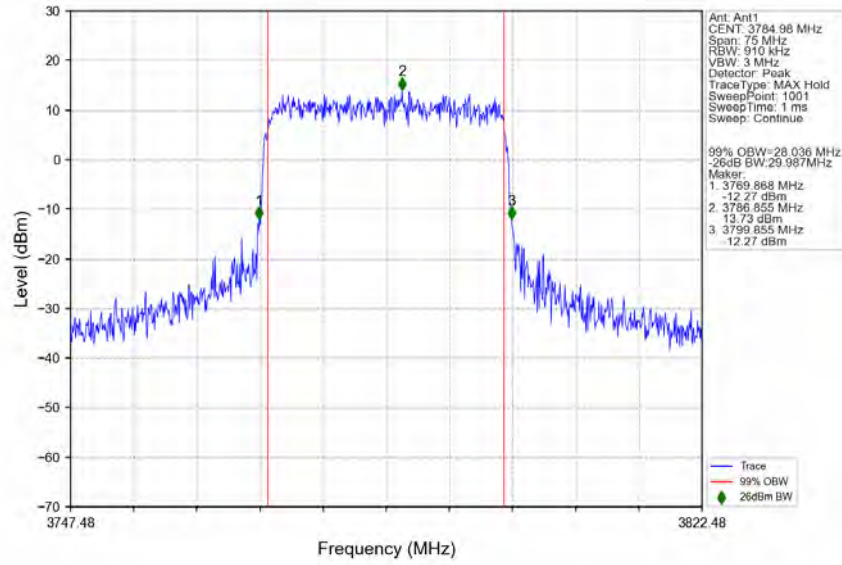
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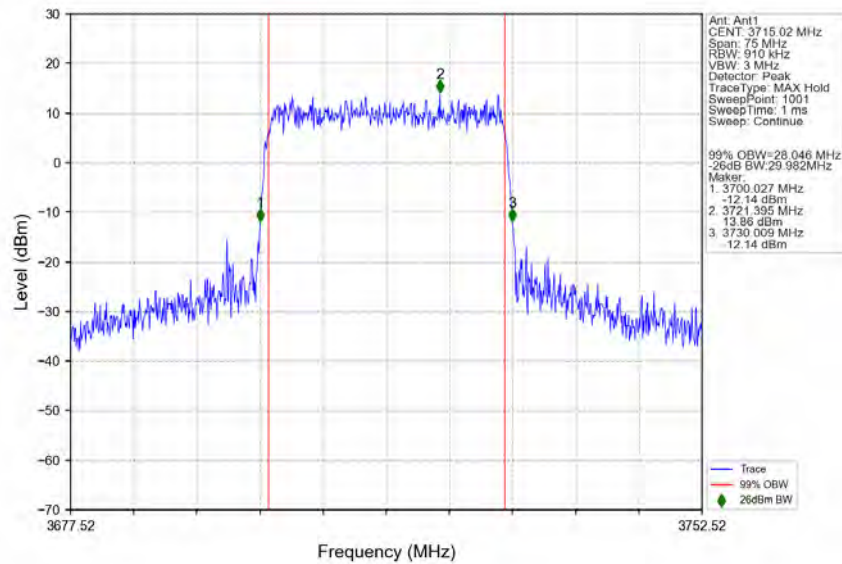
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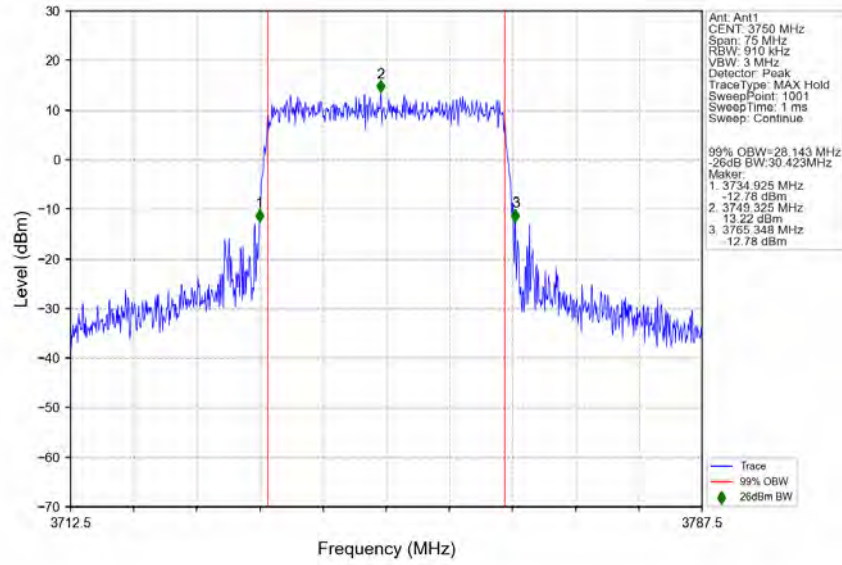
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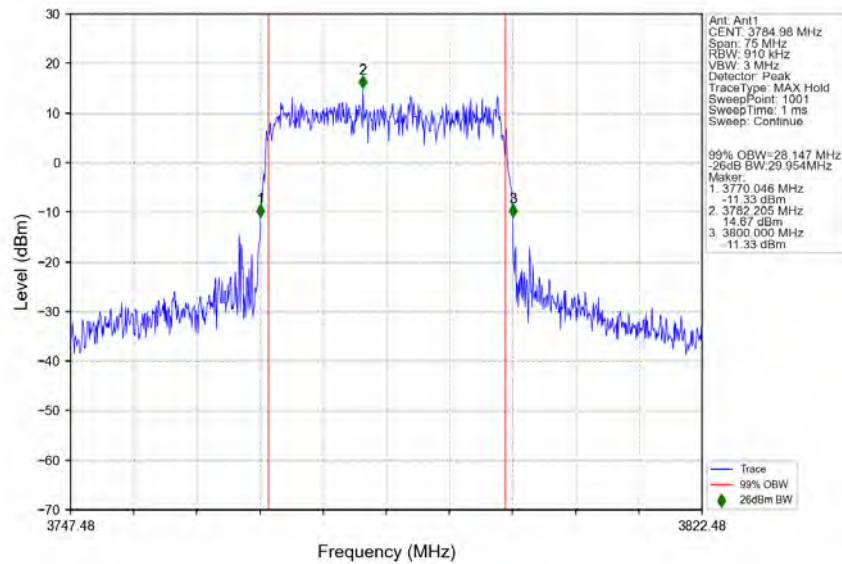
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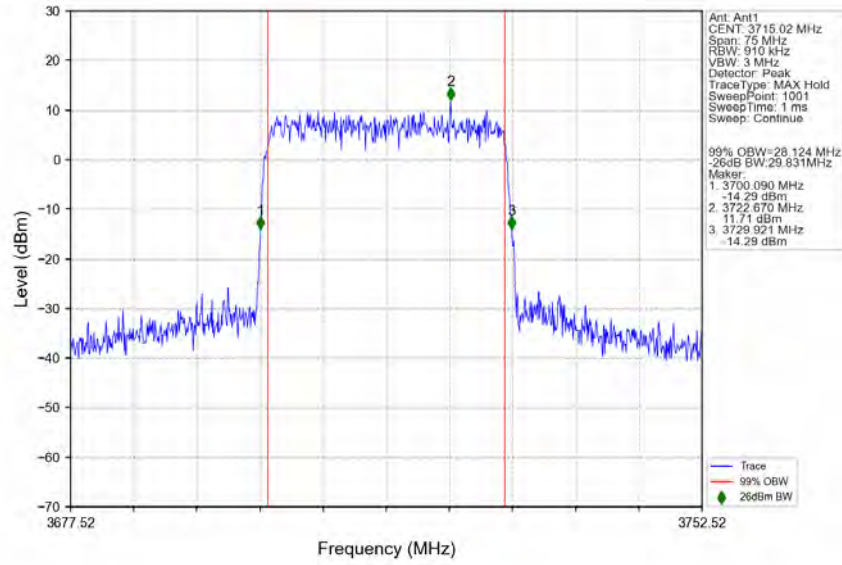
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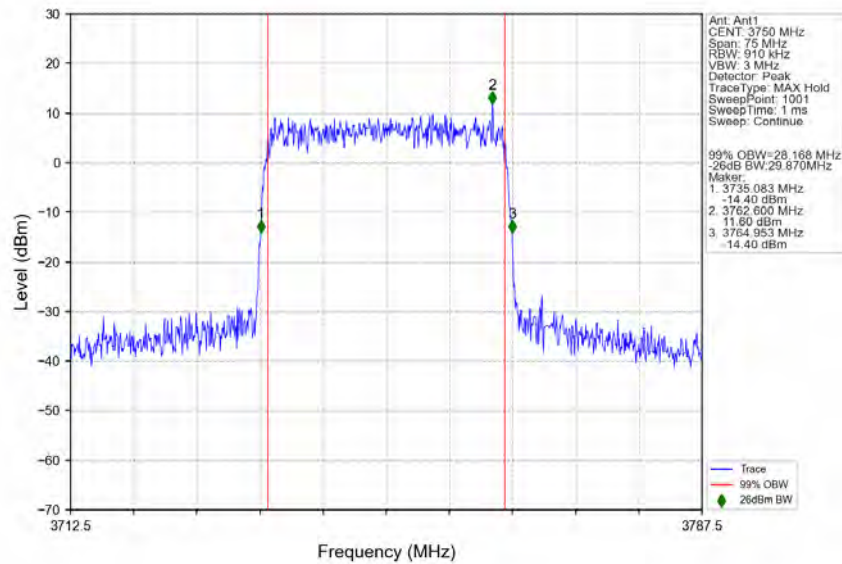
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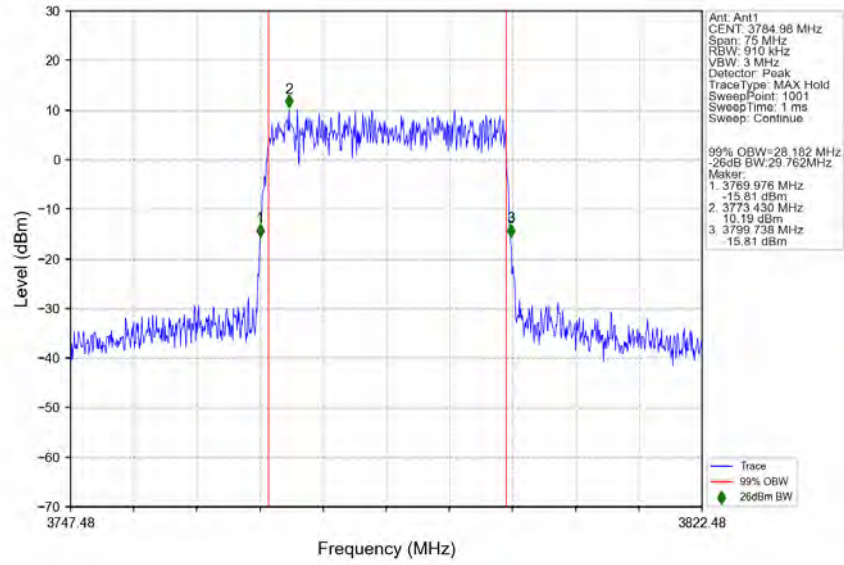
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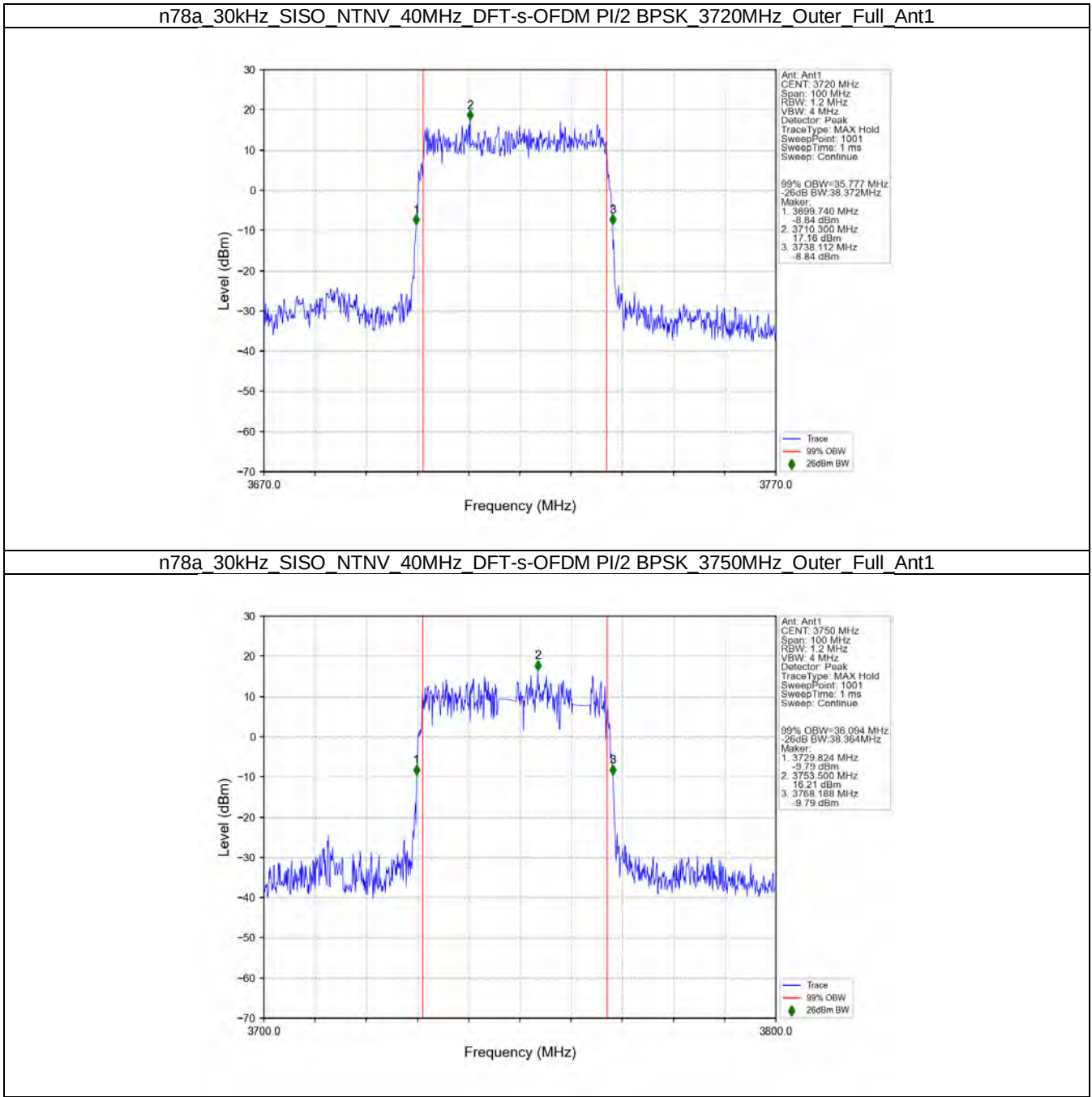
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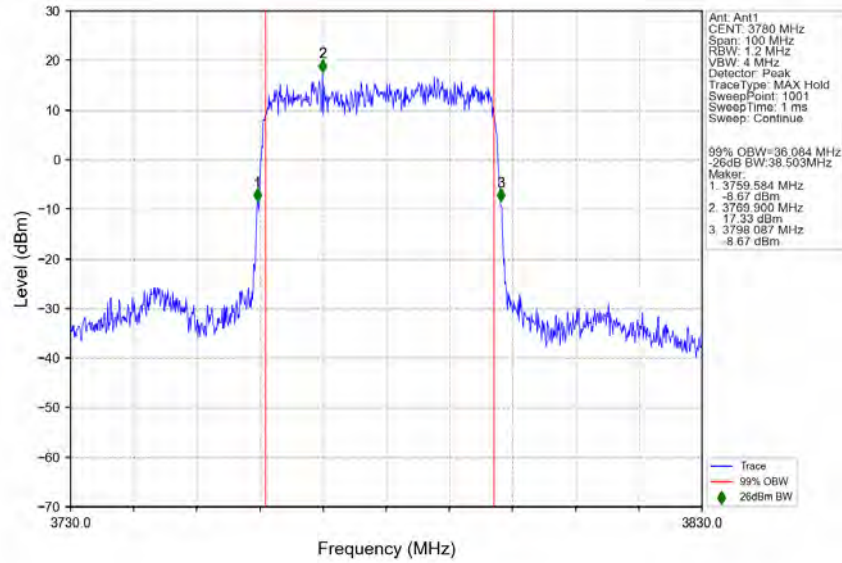
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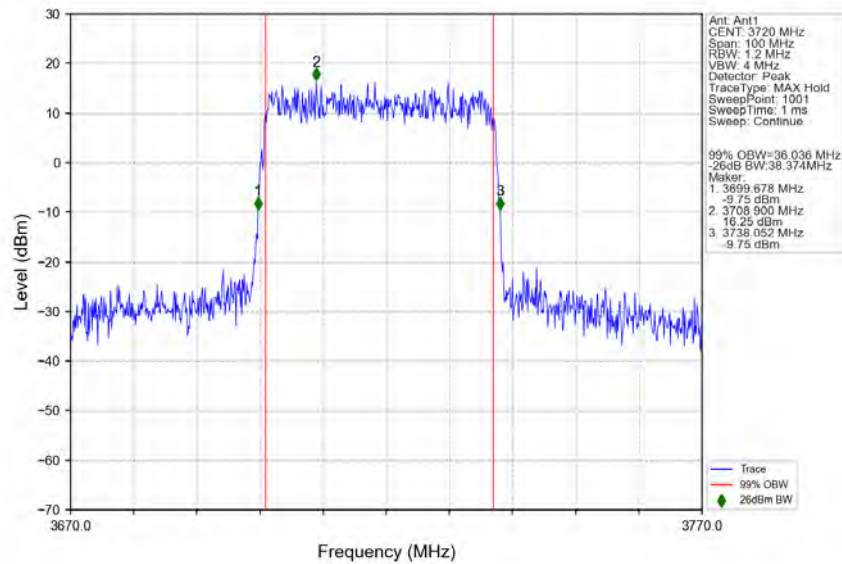
3.2.3 30k_SISO_40MHz_NTNV



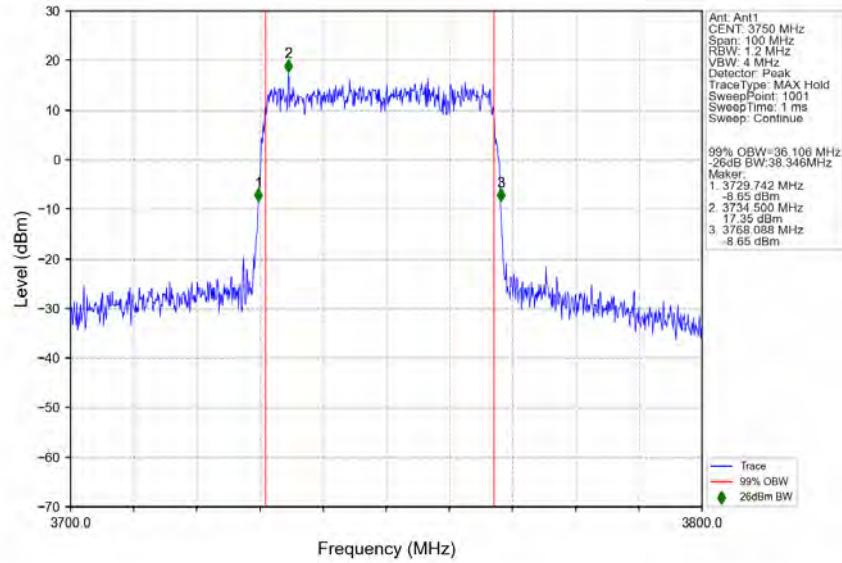
n78a 30kHz SISO NTN 40MHz DFT-s-OFDM PI/2 BPSK 3780MHz Outer Full Ant1



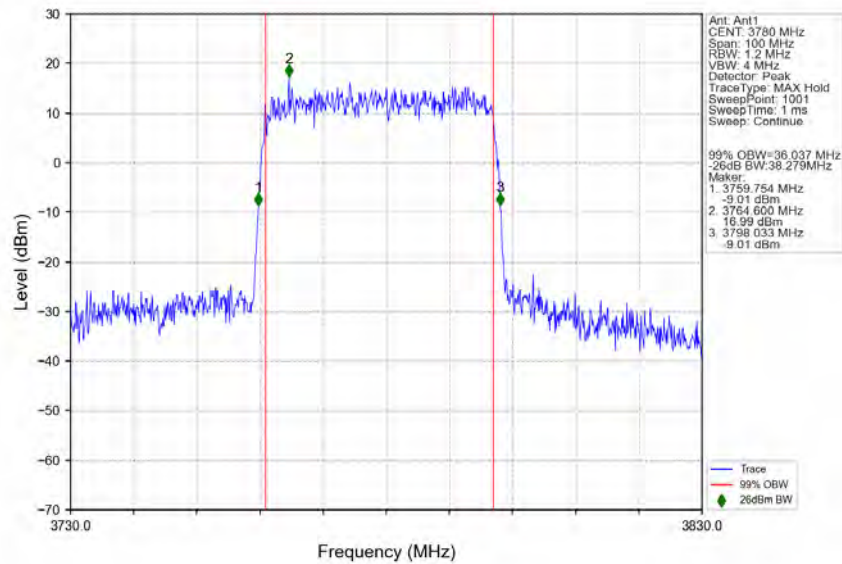
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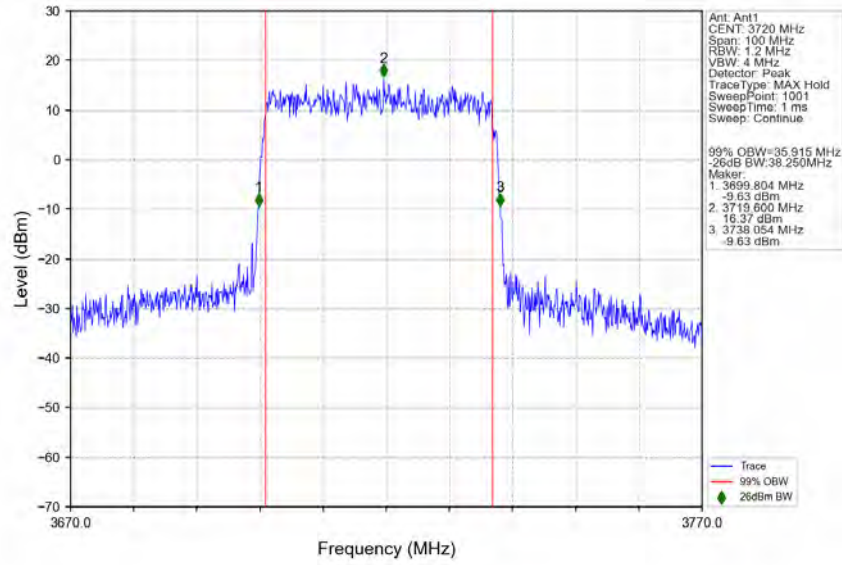
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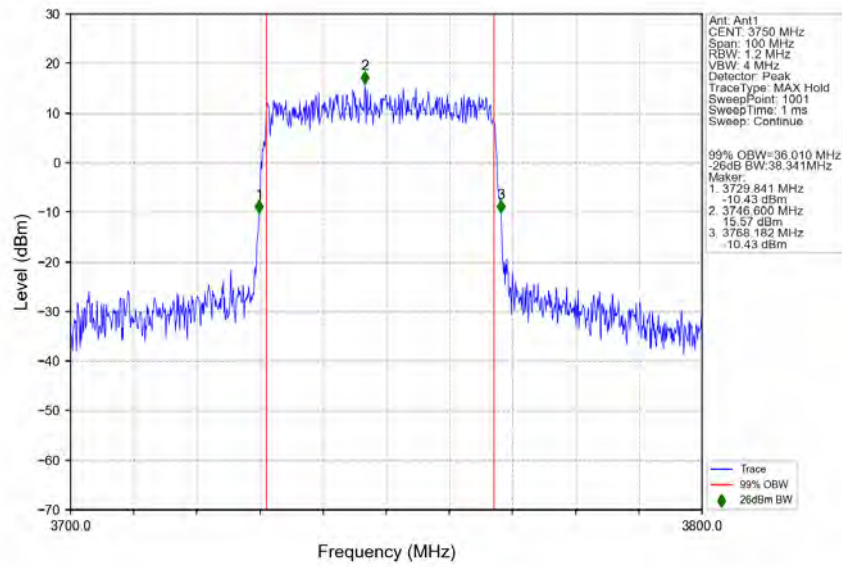
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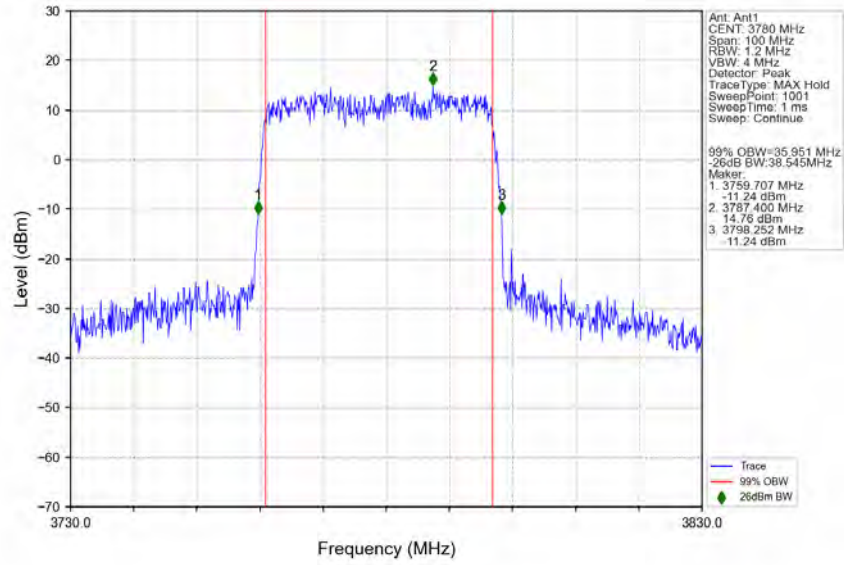
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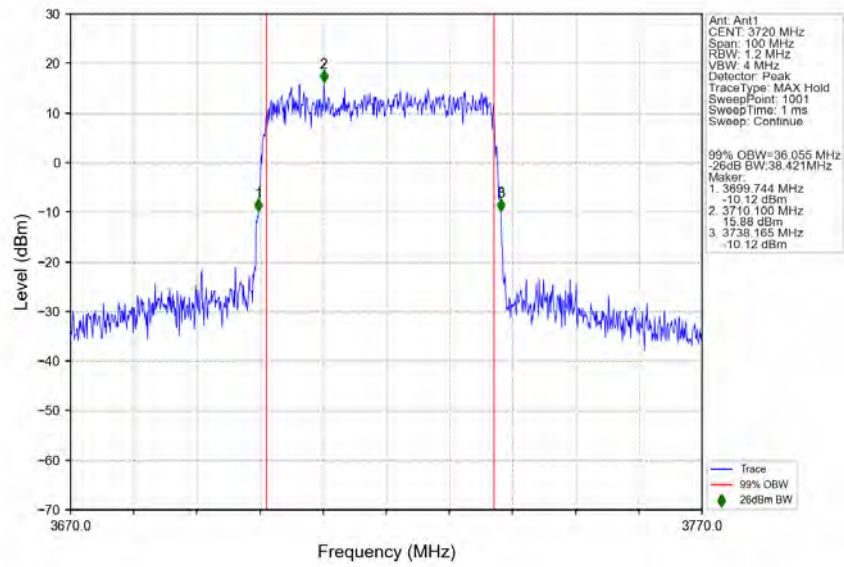
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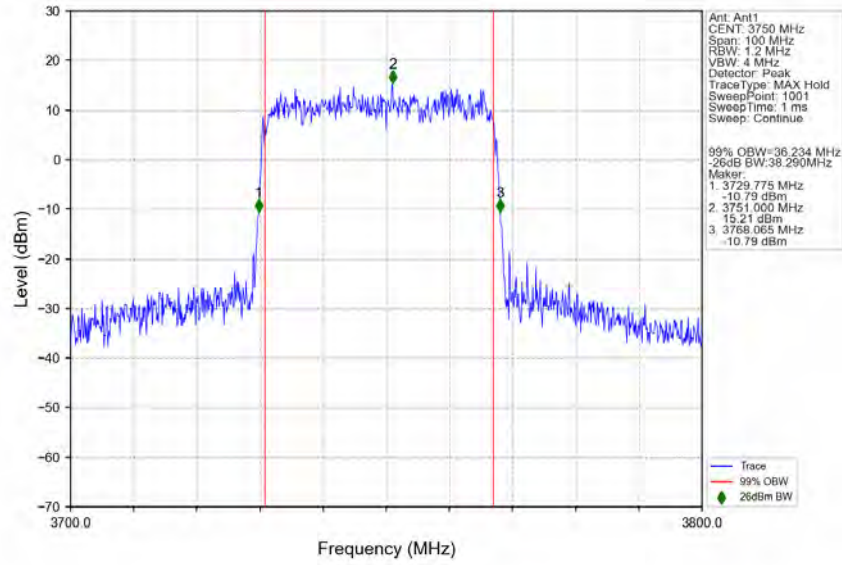
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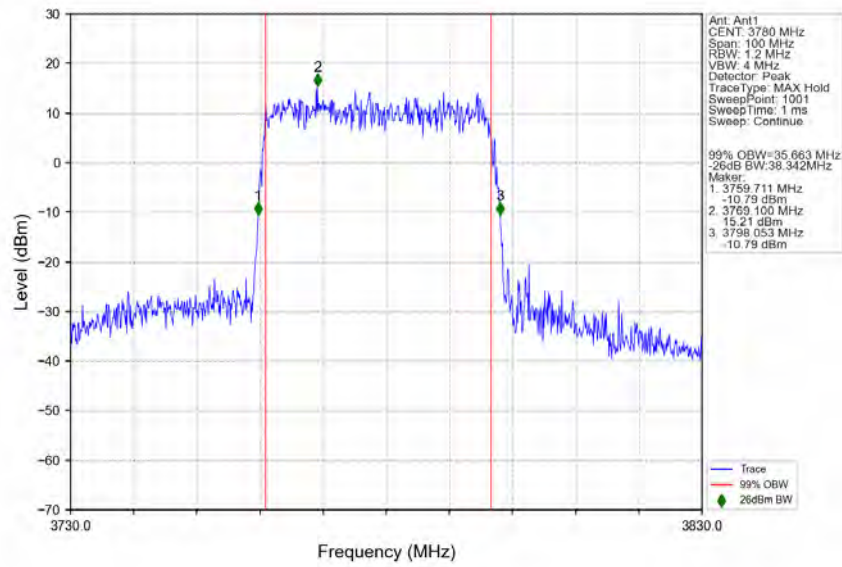
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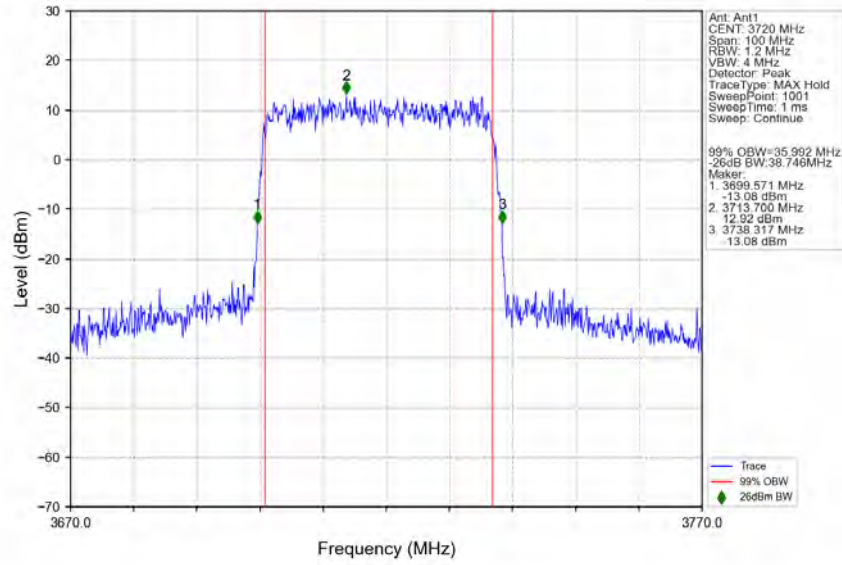
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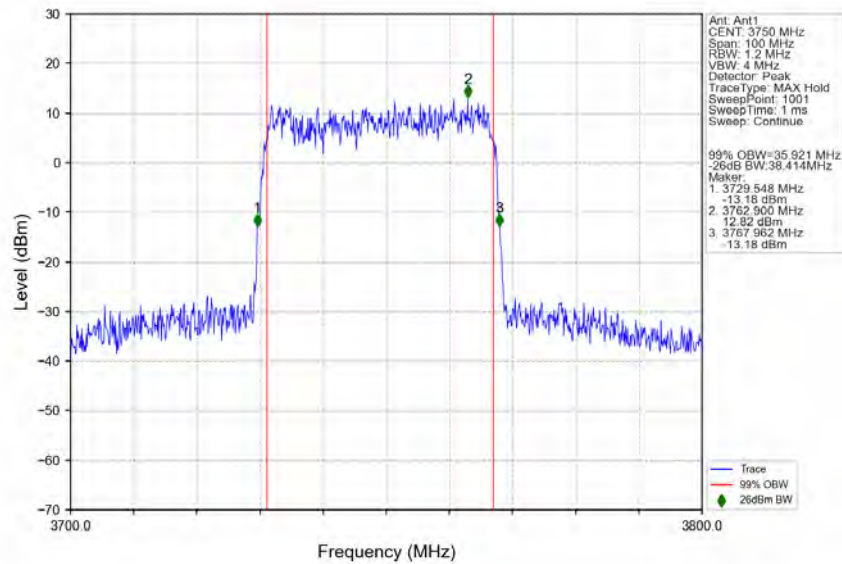
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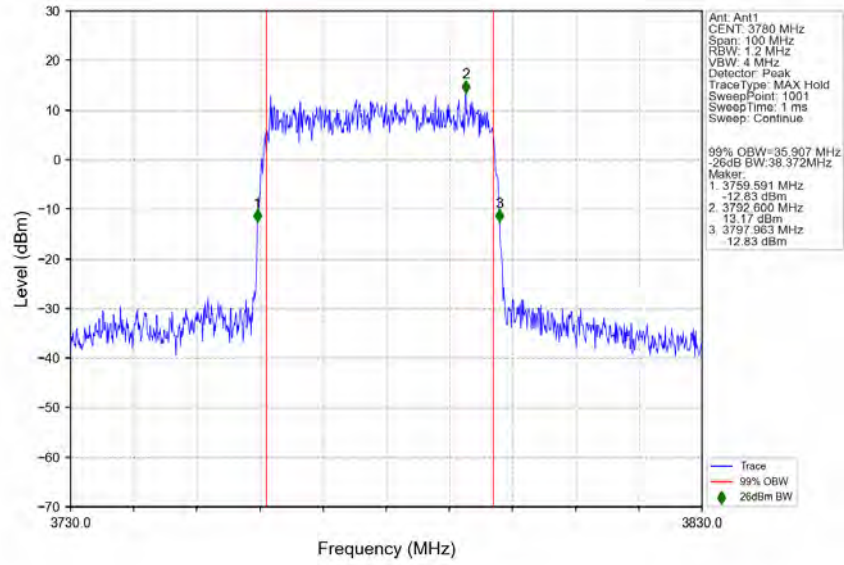
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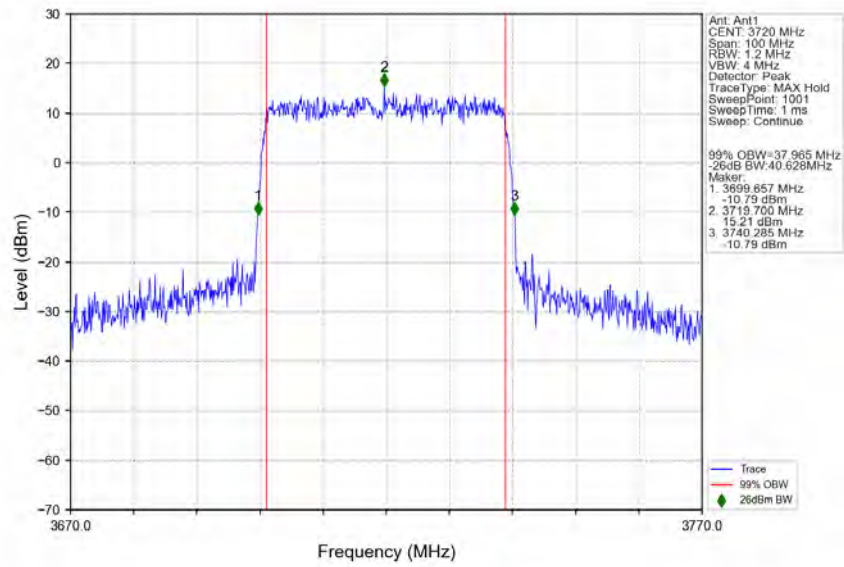
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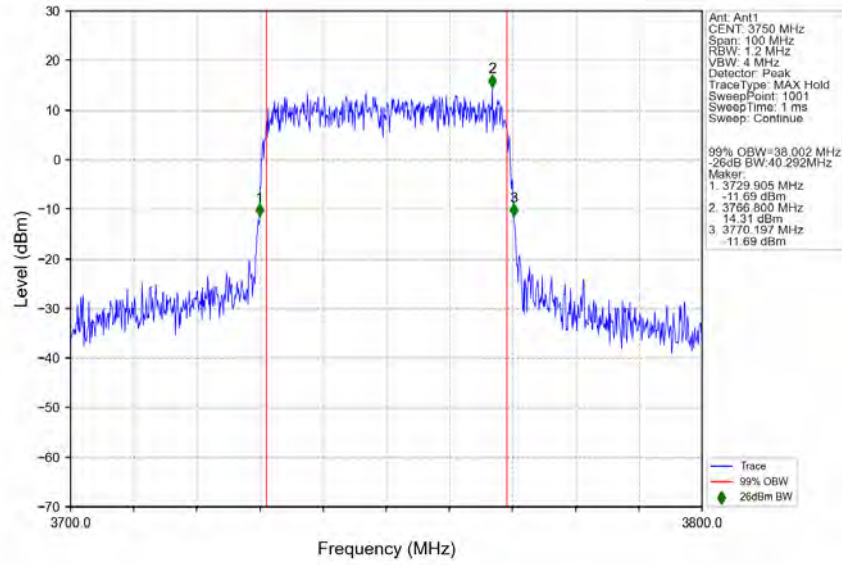
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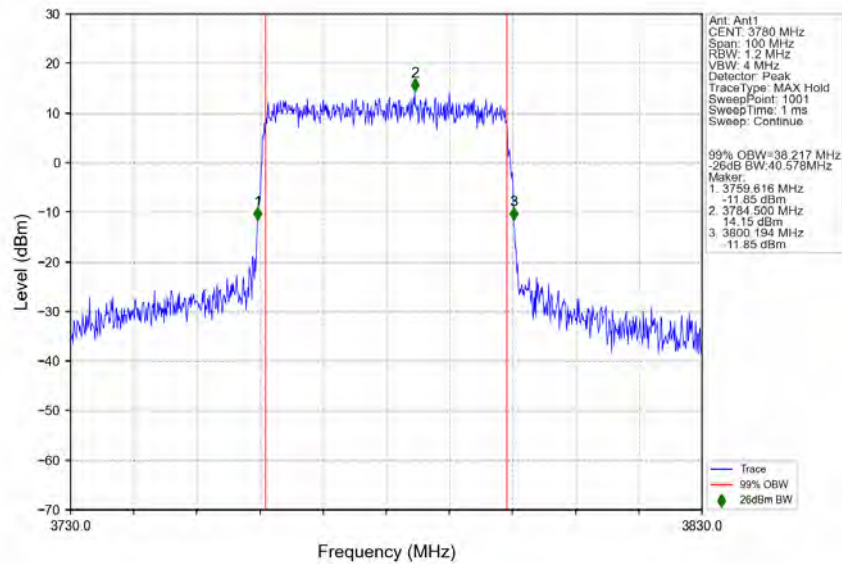
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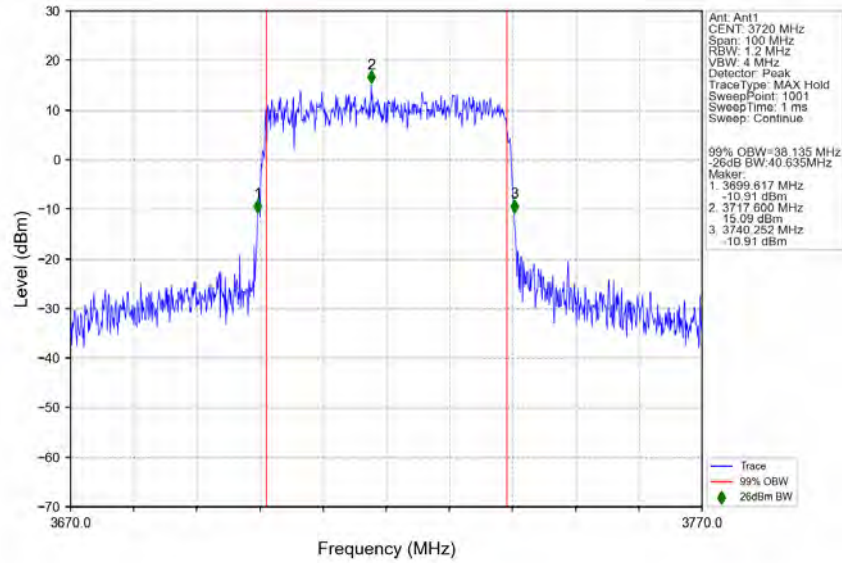
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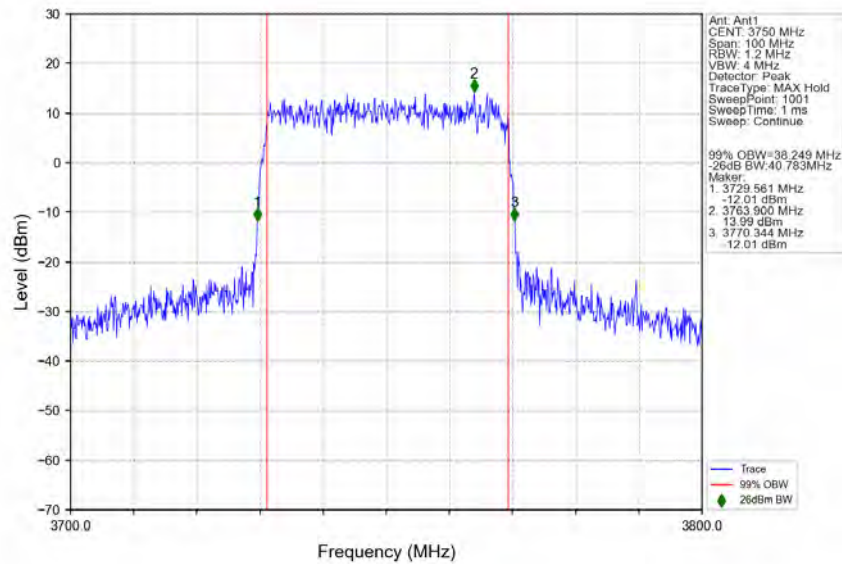
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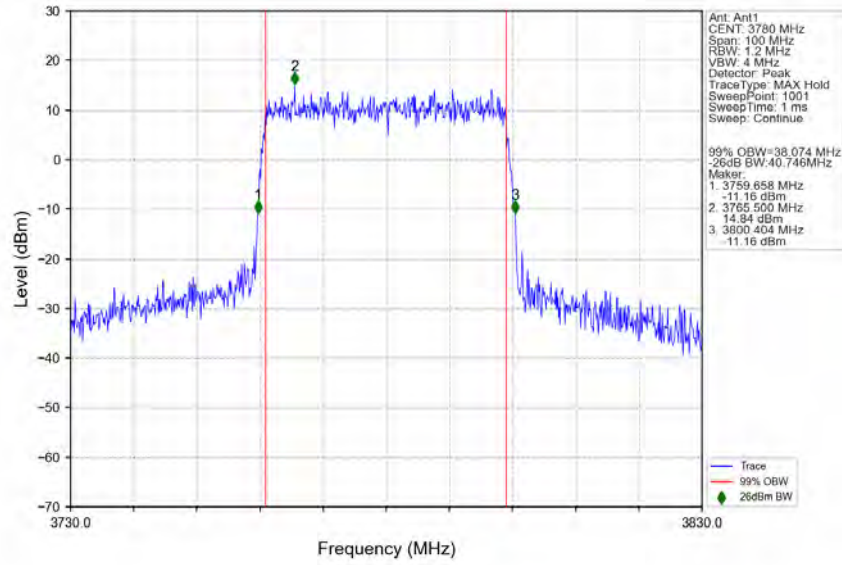
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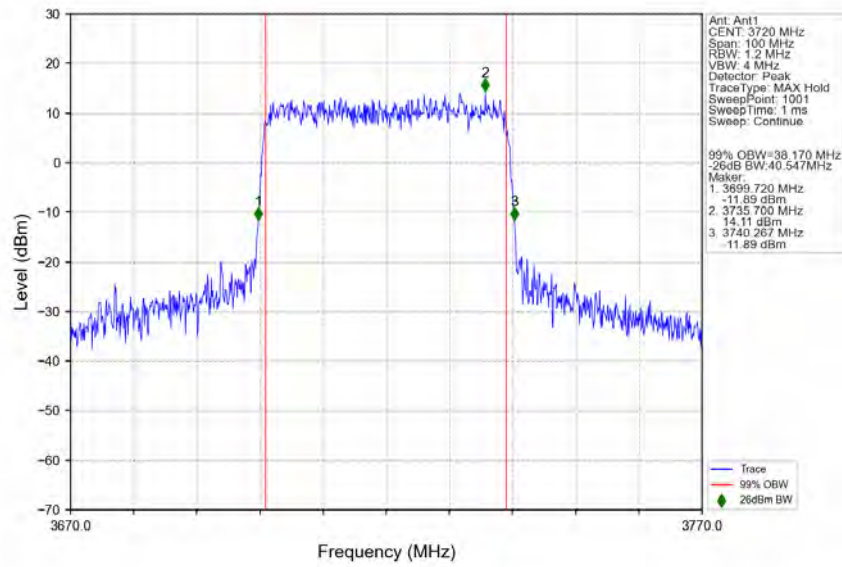
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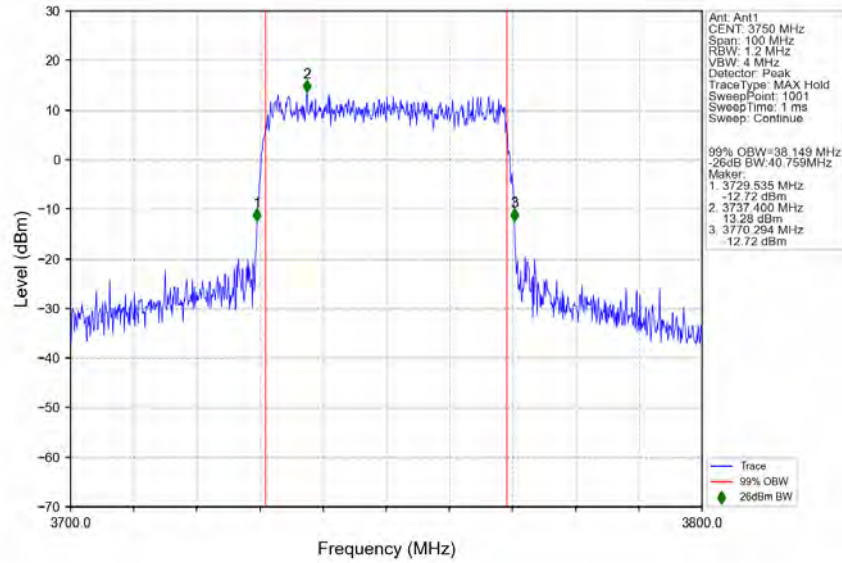
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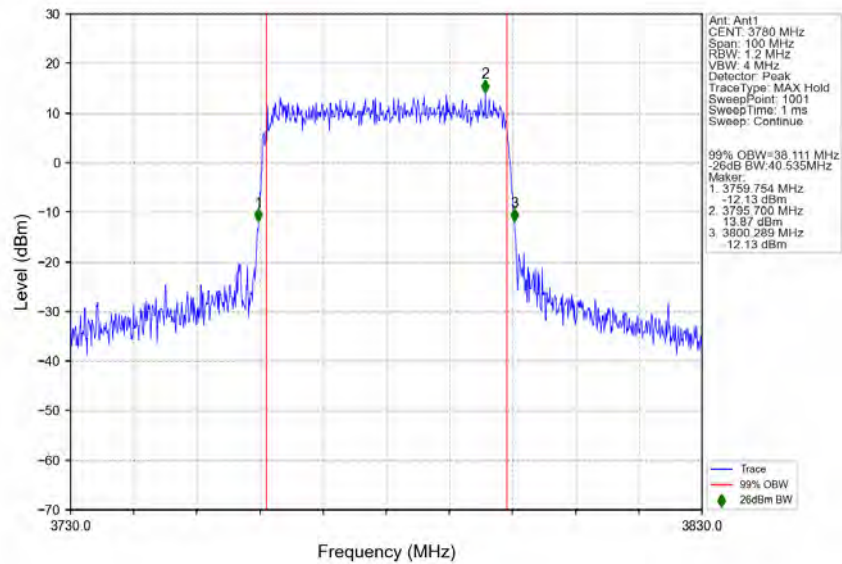
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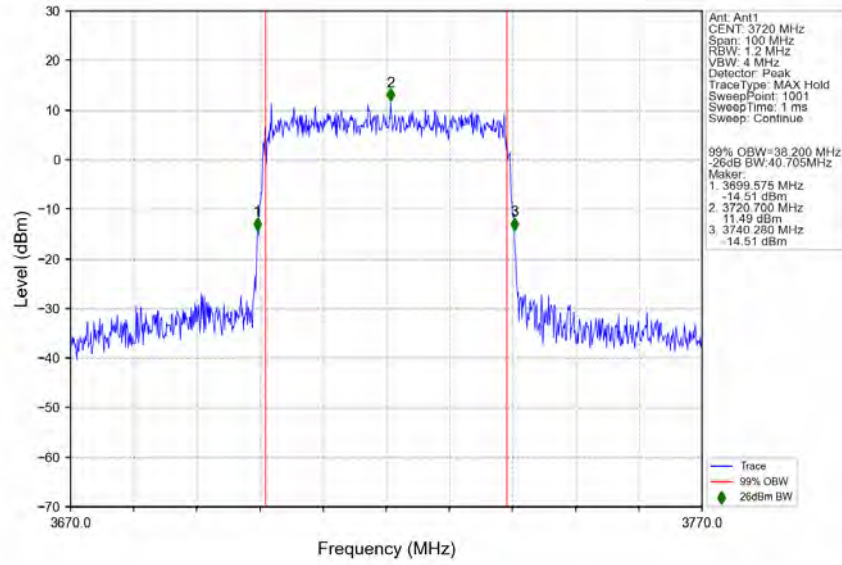
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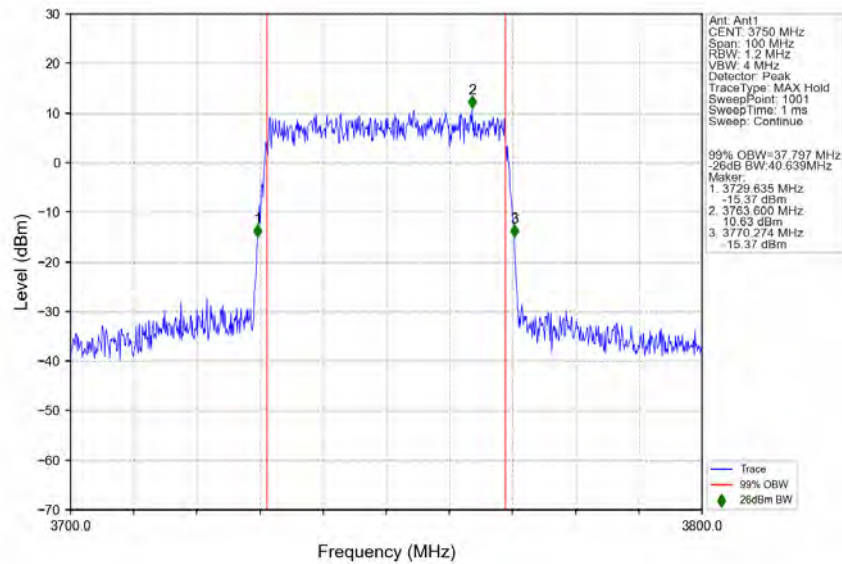
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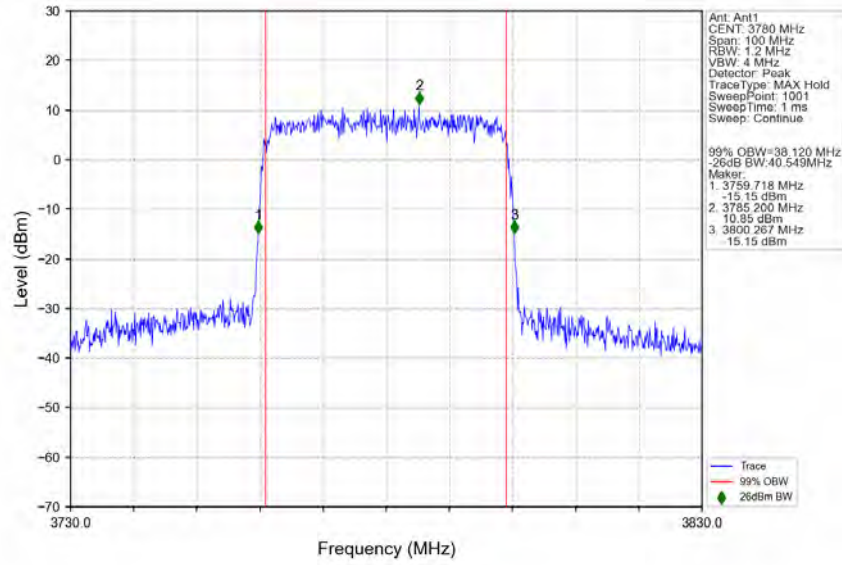
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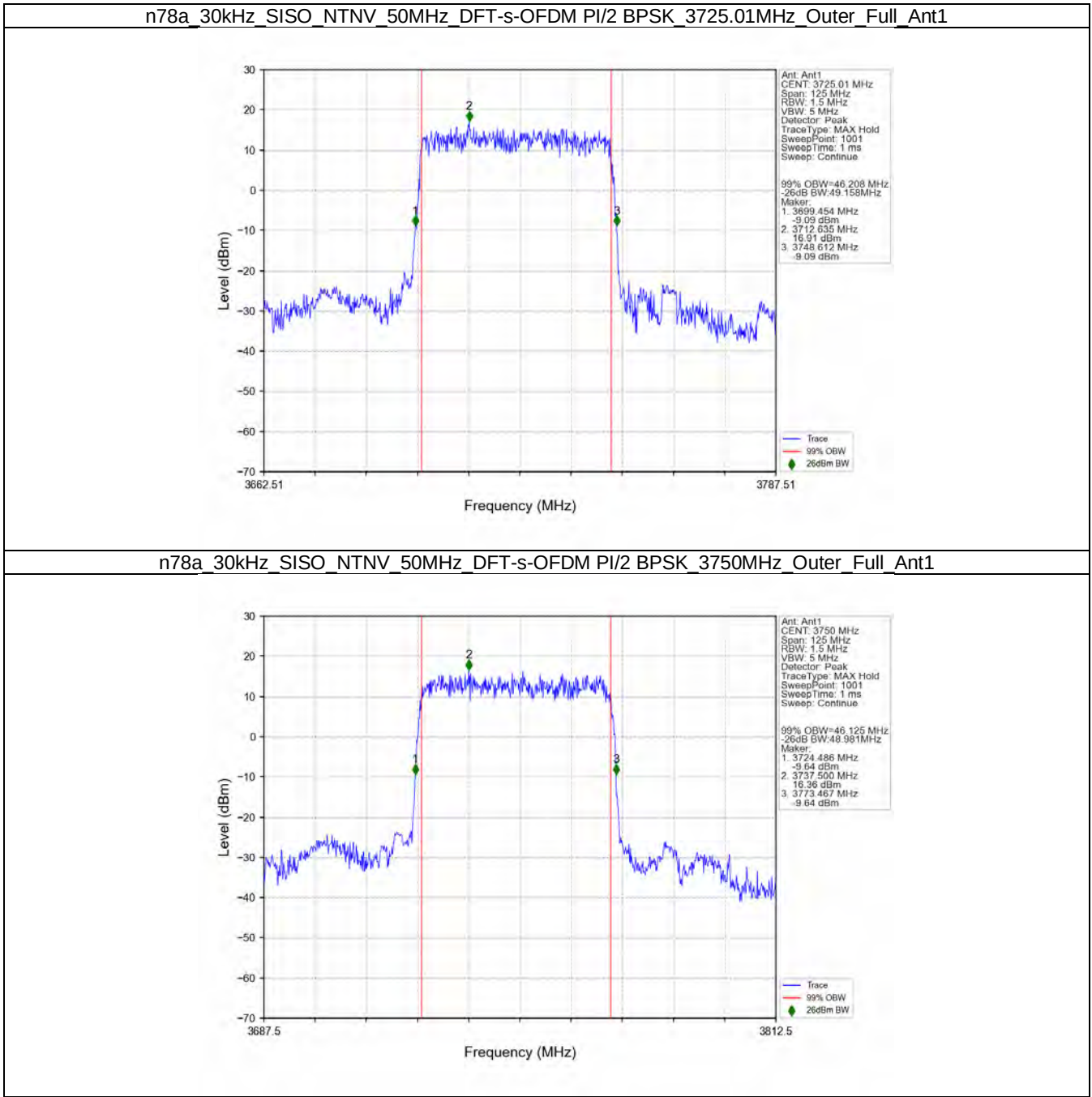
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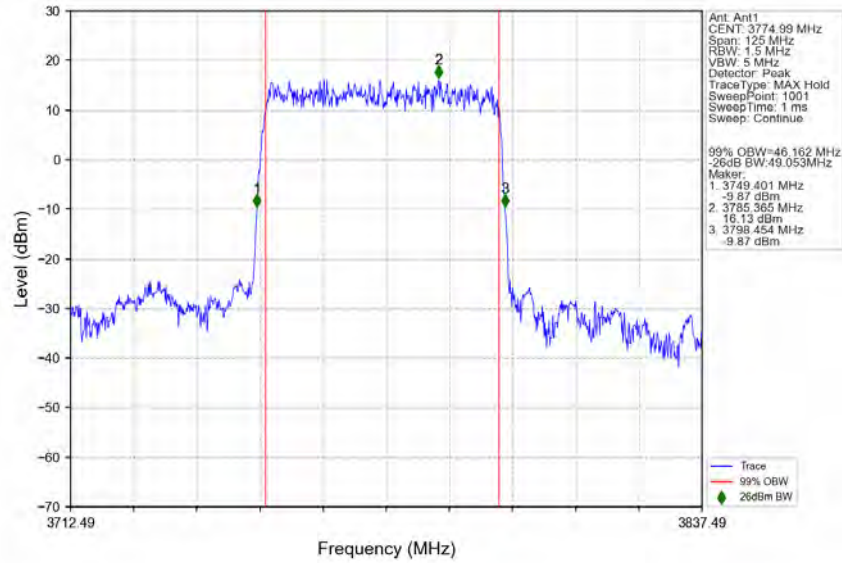
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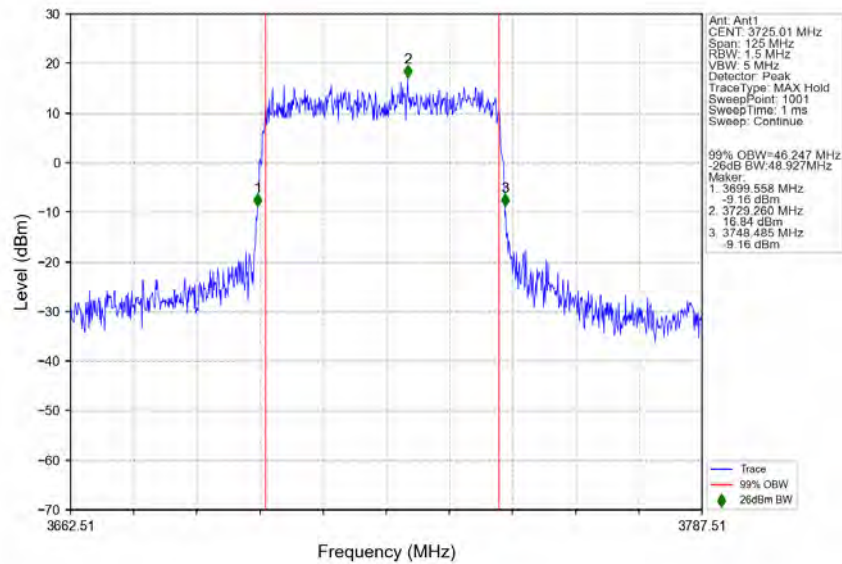
3.2.4 30k_SISO_50MHz_NTNV



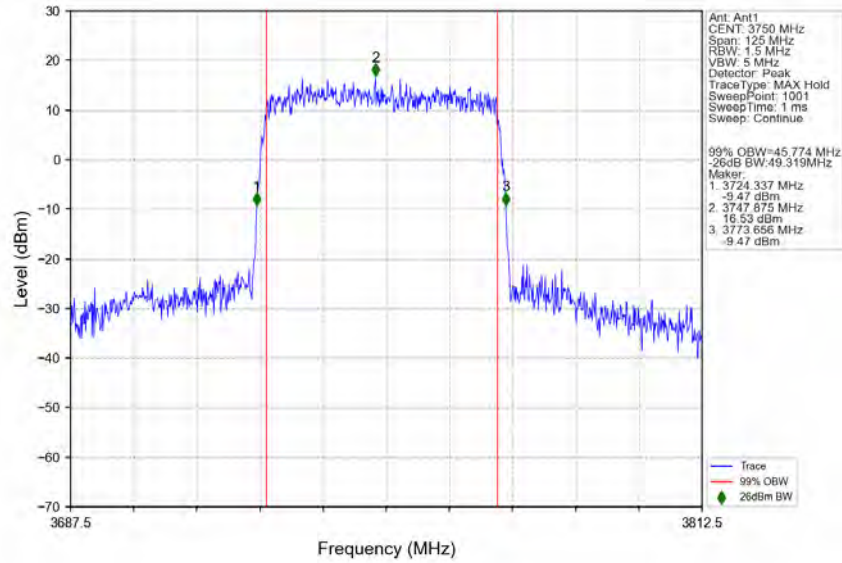
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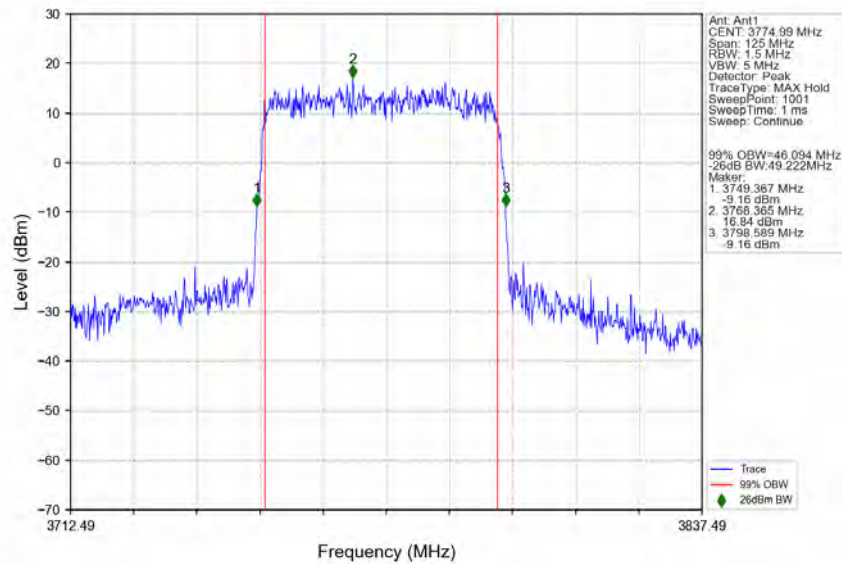
n78a 30kHz SISO NTN 50MHz DFT-s-OFDM QPSK 3725.01MHz Outer Full Ant1



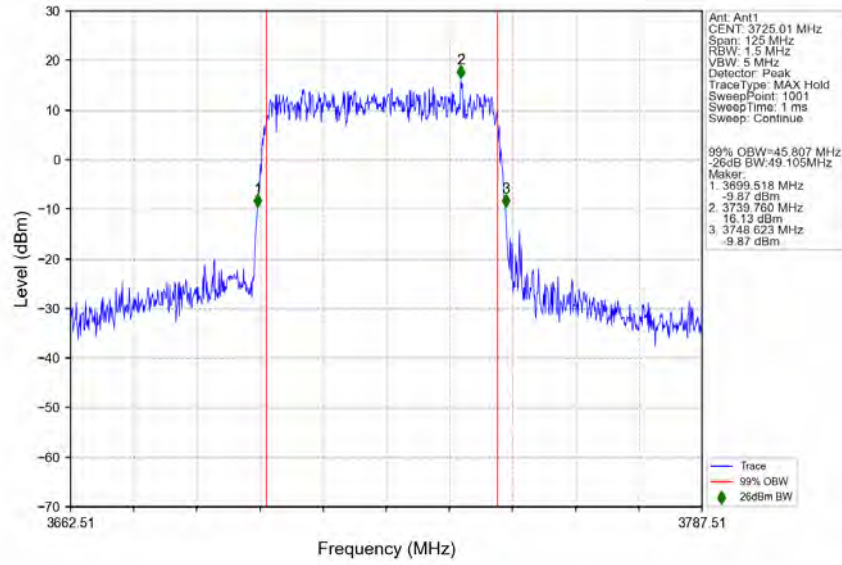
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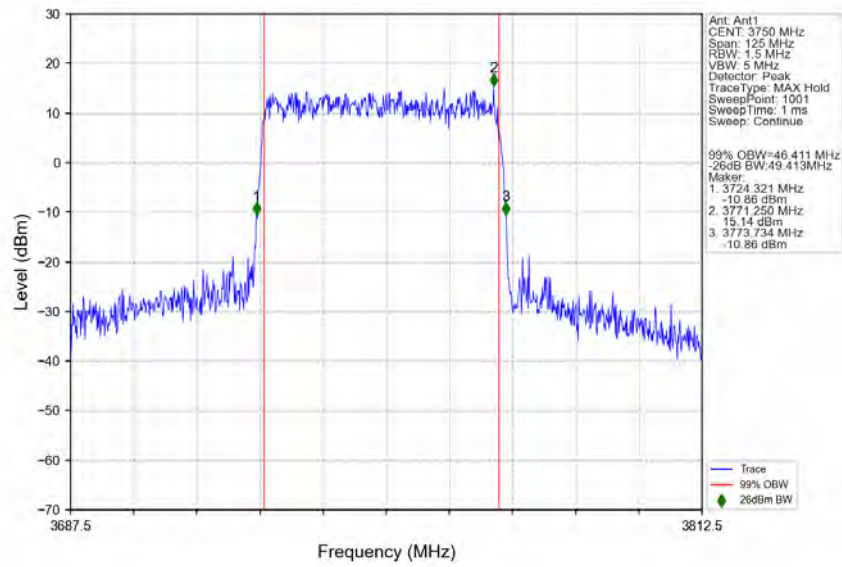
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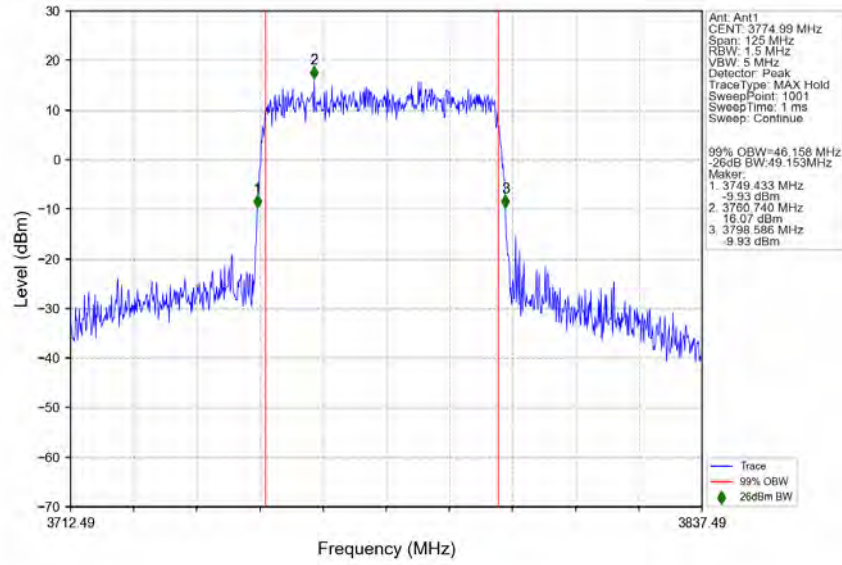
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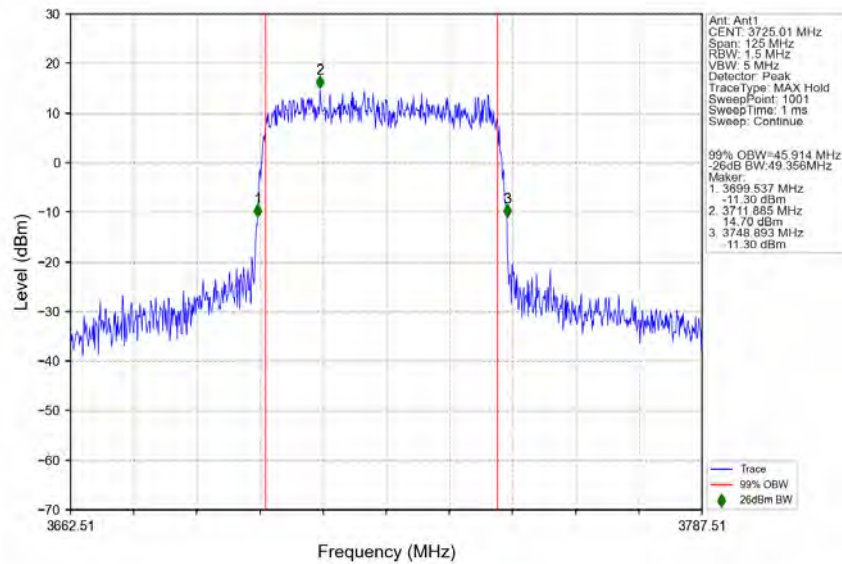
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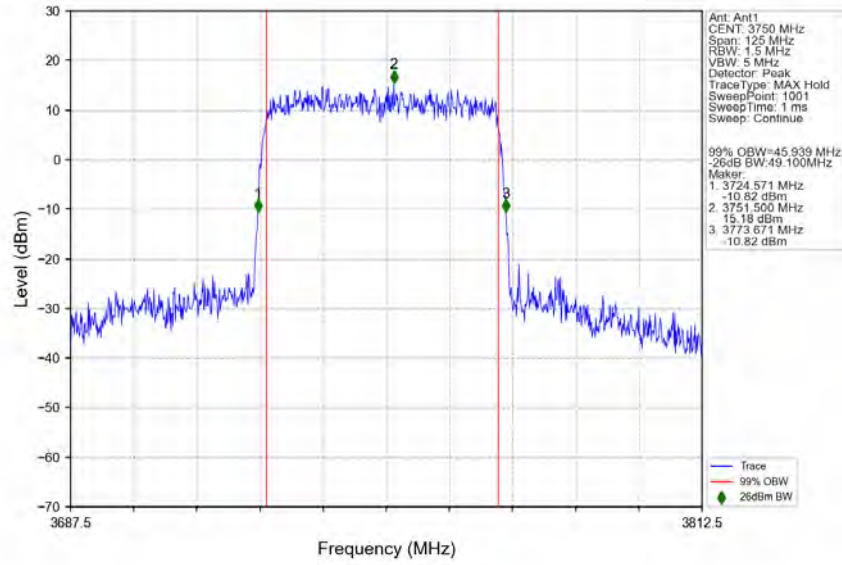
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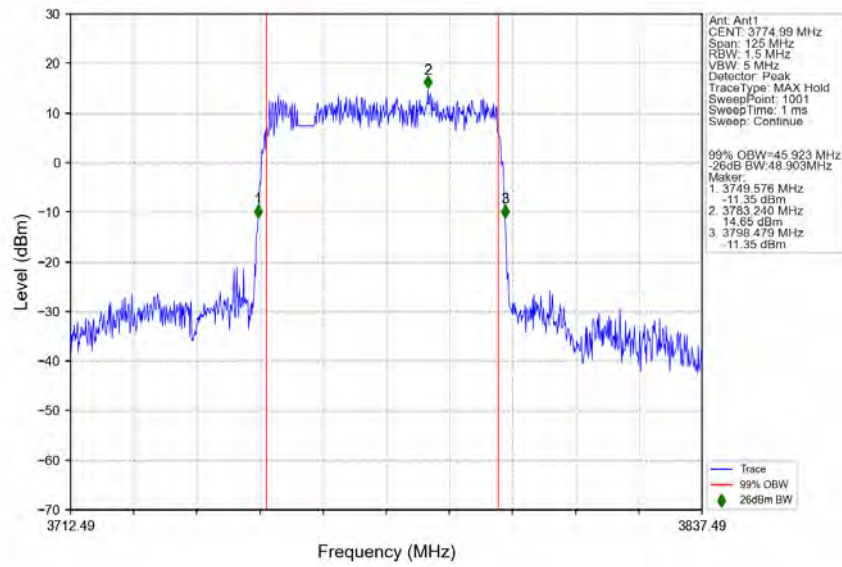
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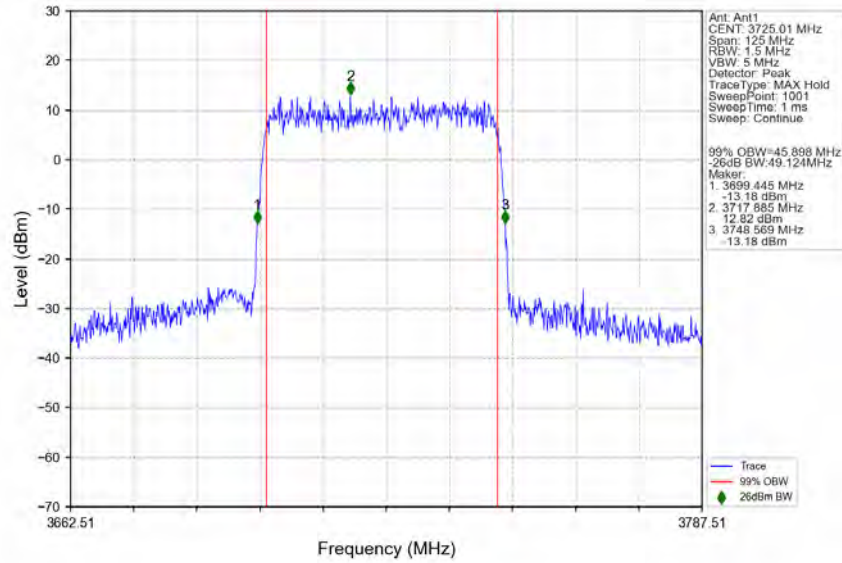
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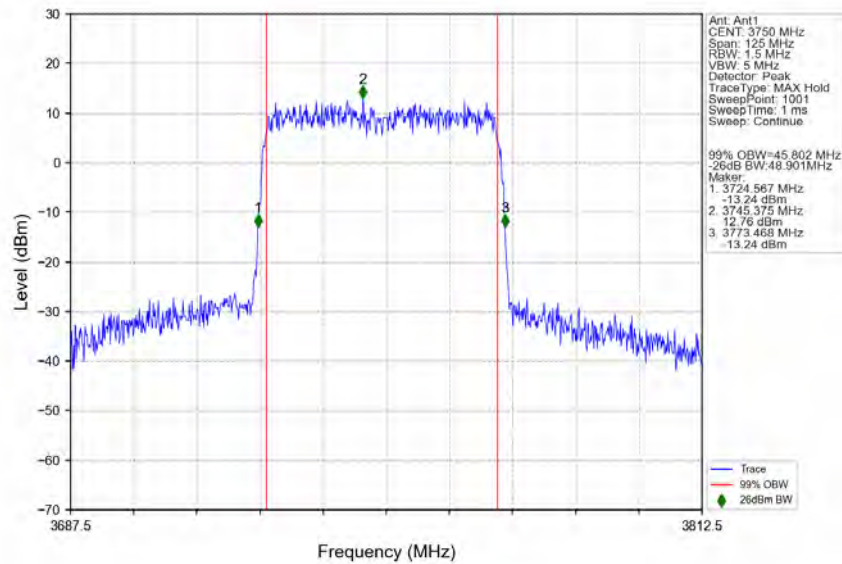
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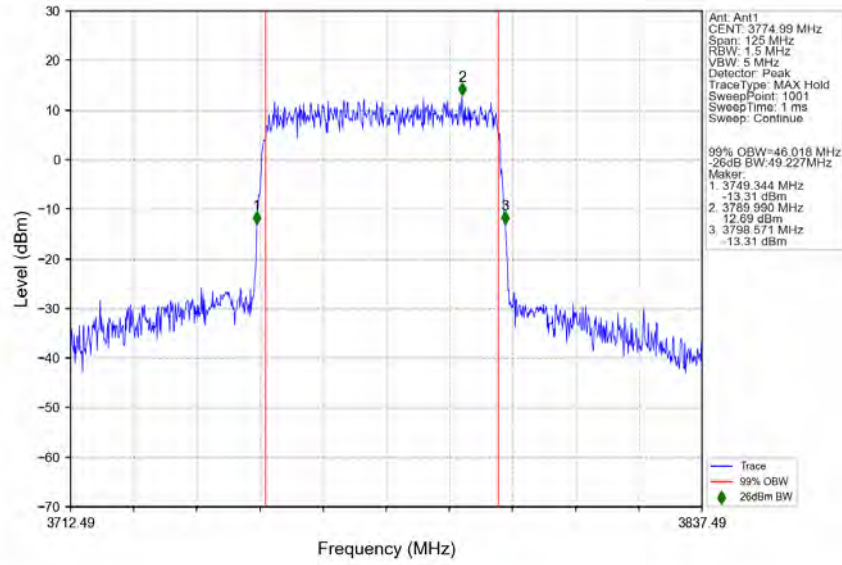
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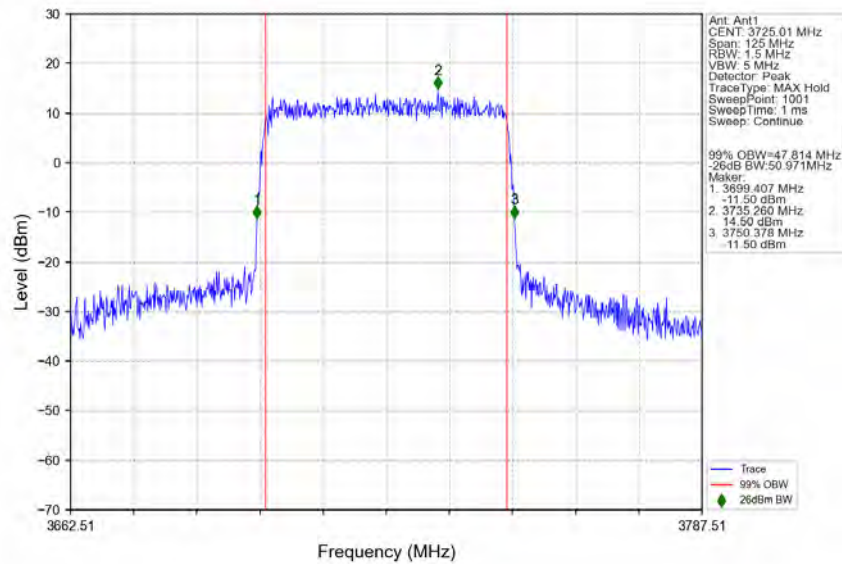
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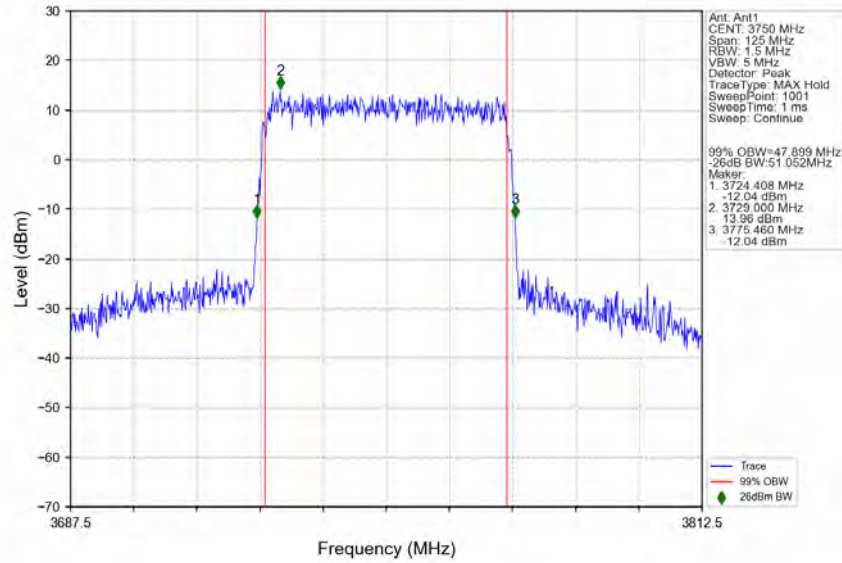
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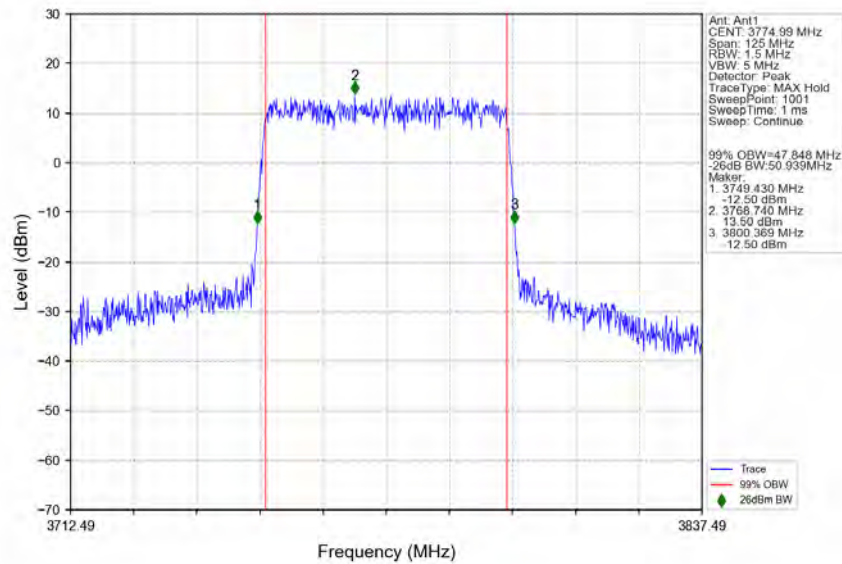
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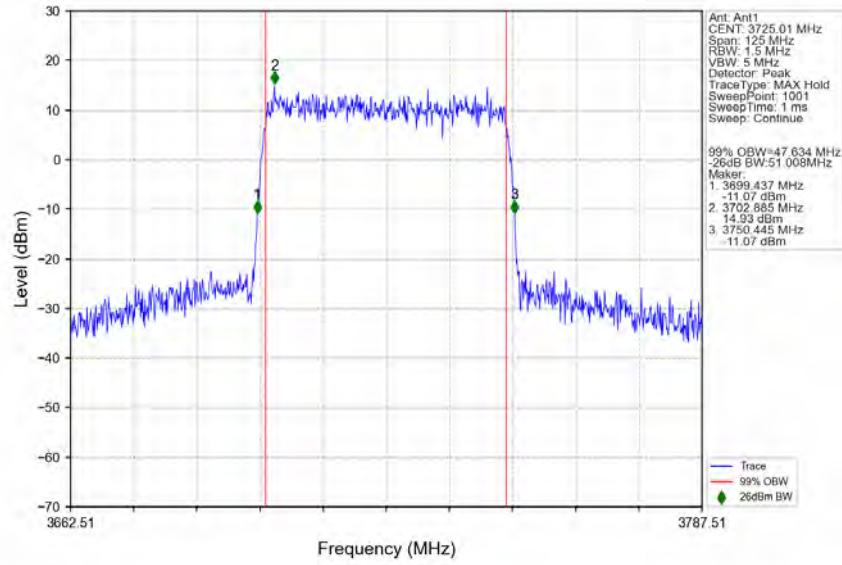
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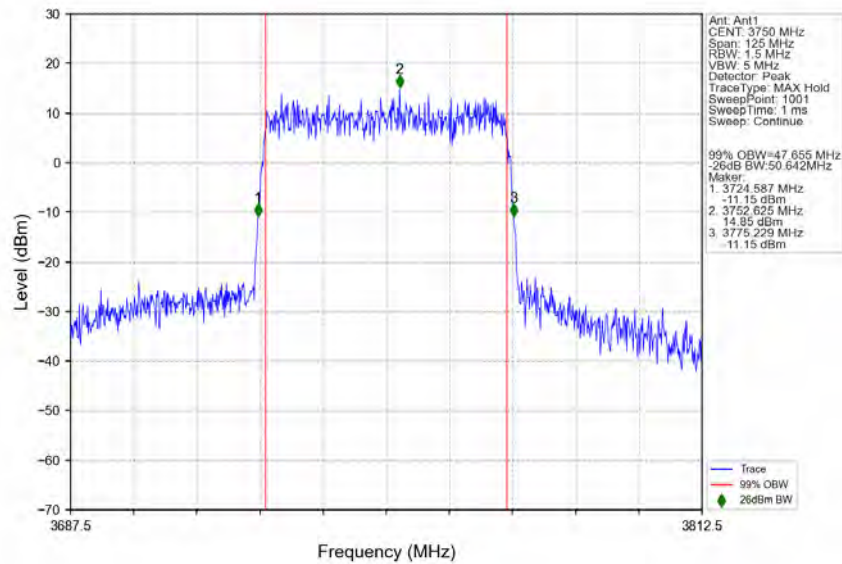
n78a 30kHz SISO NTN 50MHz CP-OFDM QPSK 3774.99MHz Outer Full Ant1



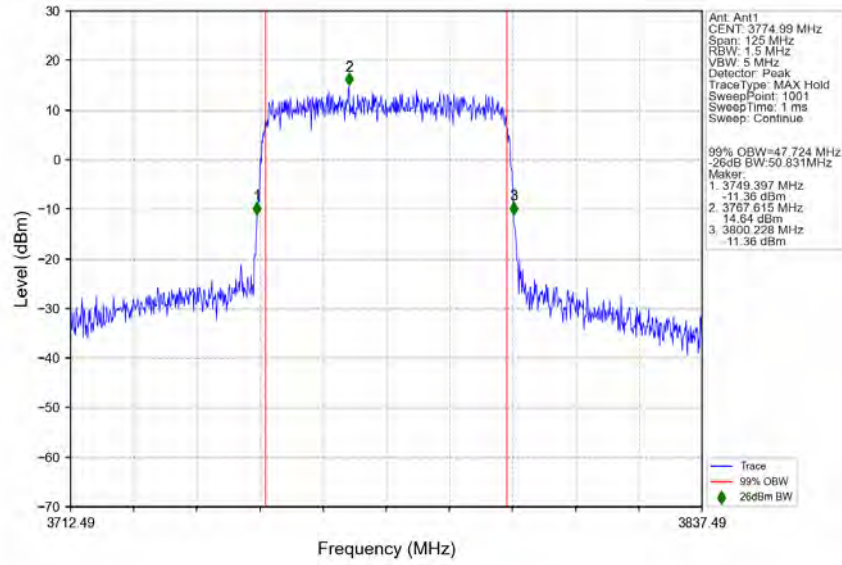
n78a 30kHz SISO NTN 50MHz CP-OFDM 16 QAM 3725.01MHz Outer Full Ant1



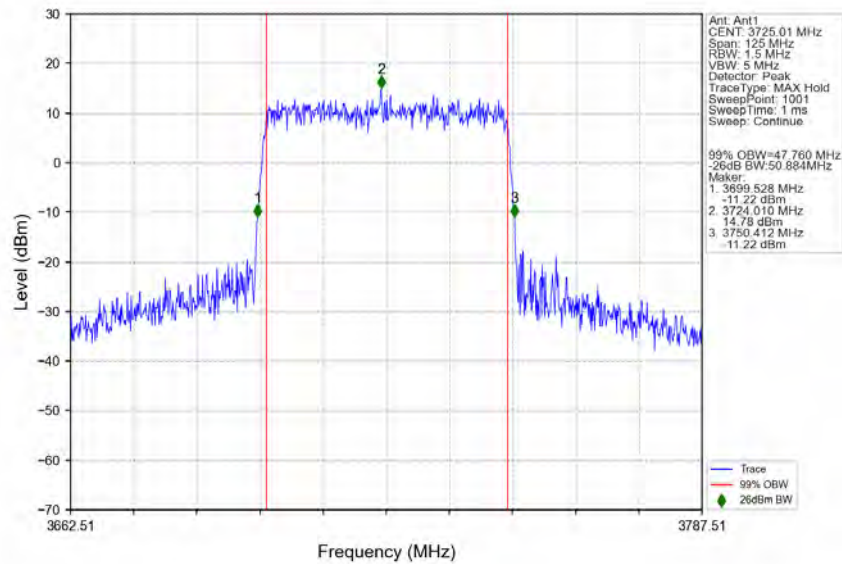
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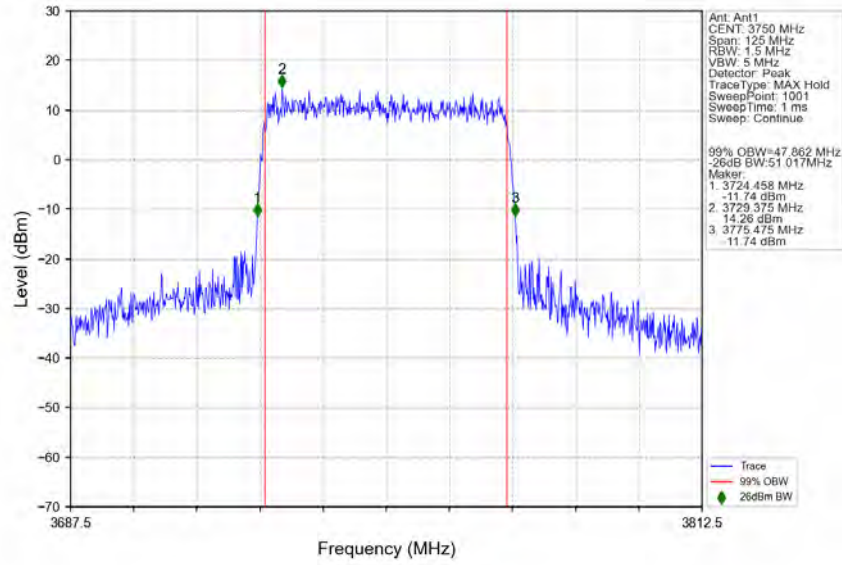
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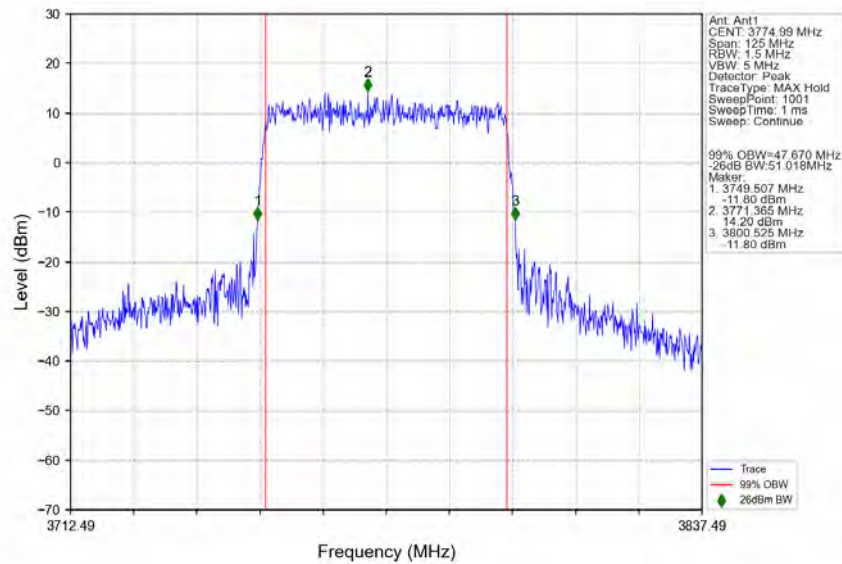
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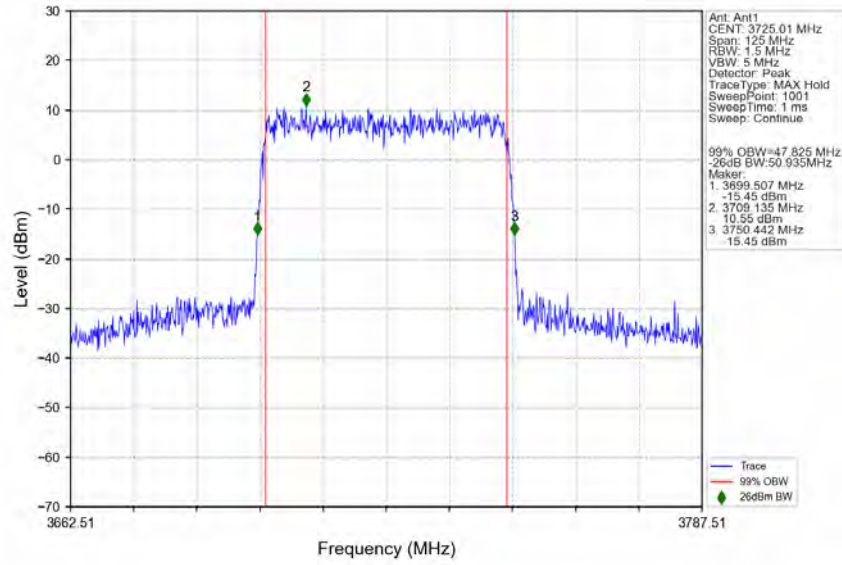
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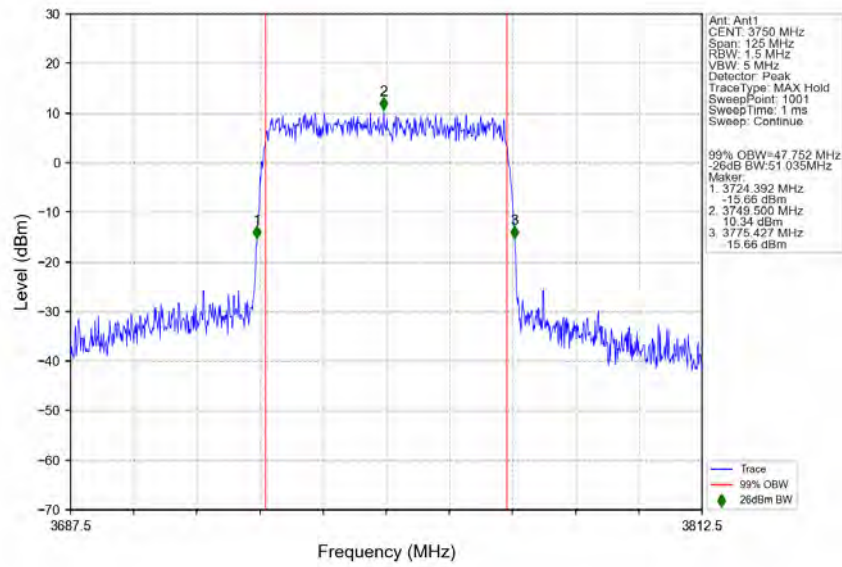
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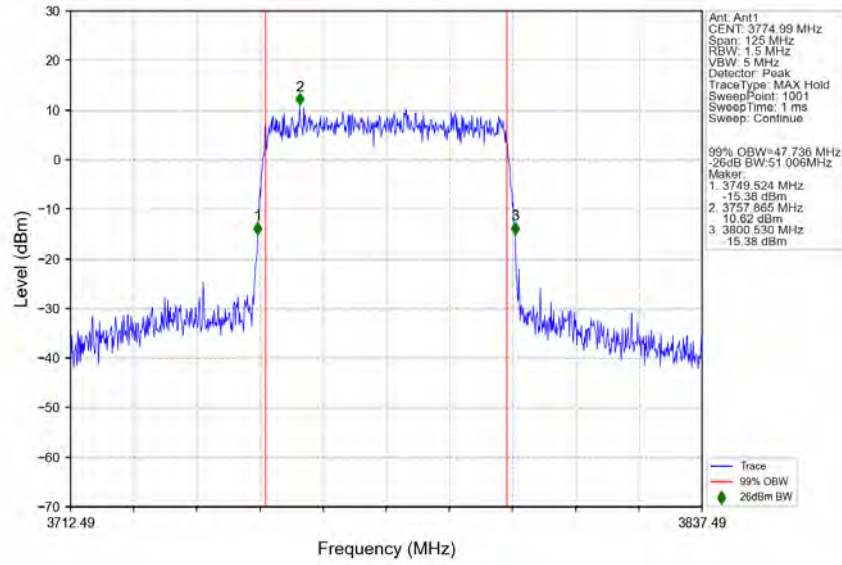
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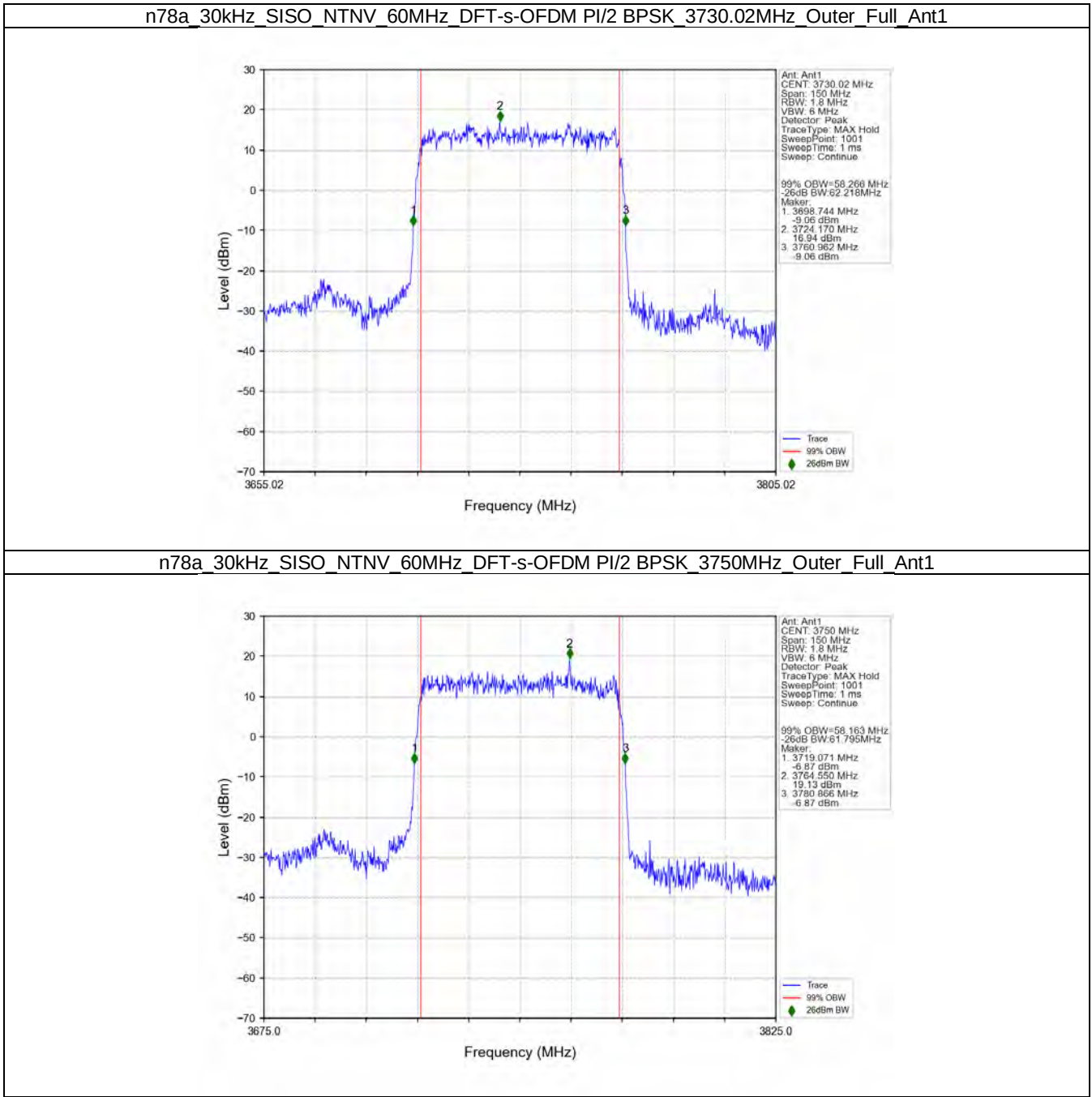
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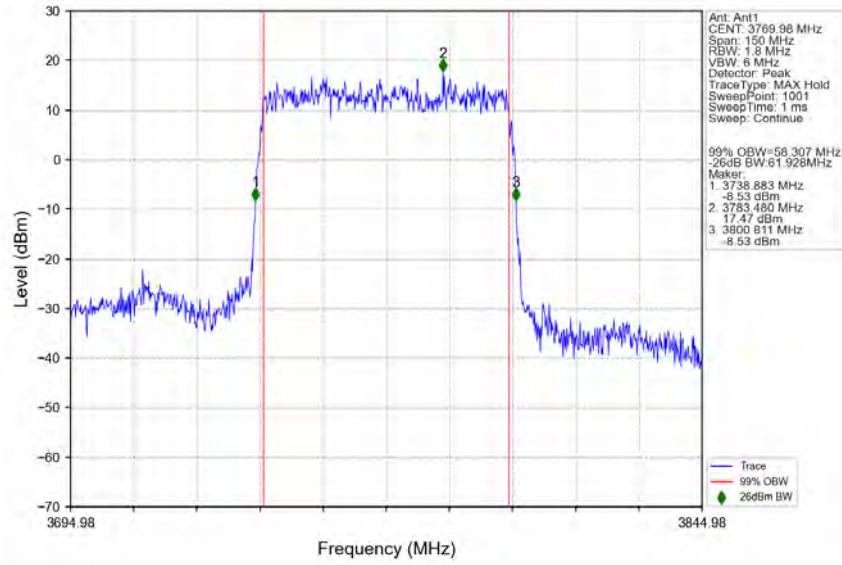
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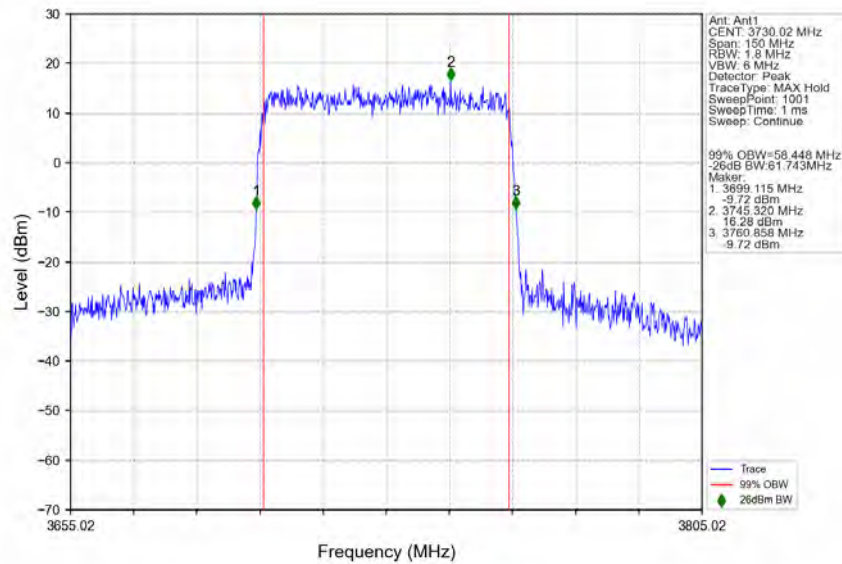
3.2.5 30k_SISO_60MHz_NTNV



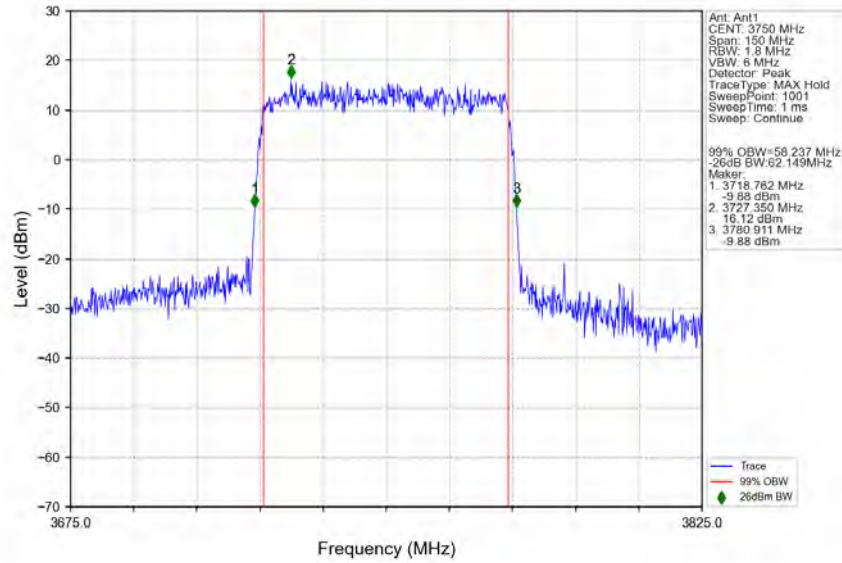
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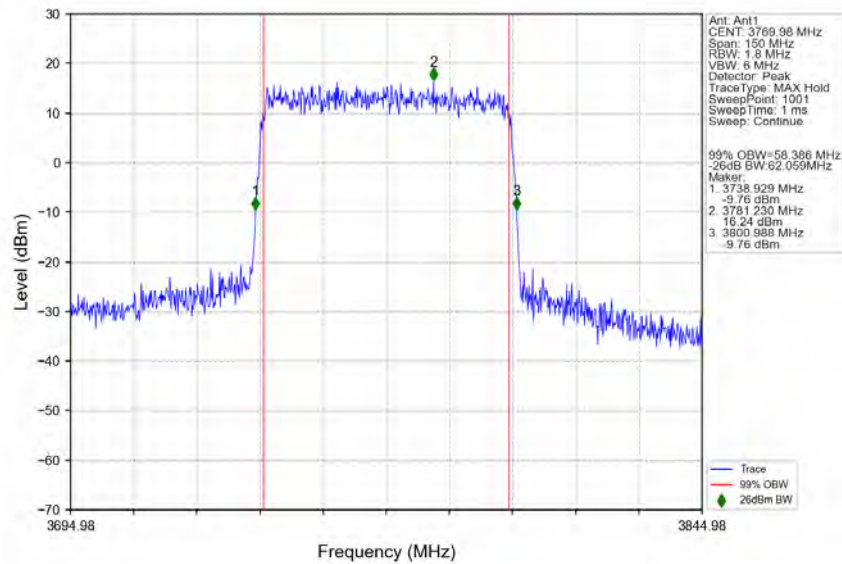
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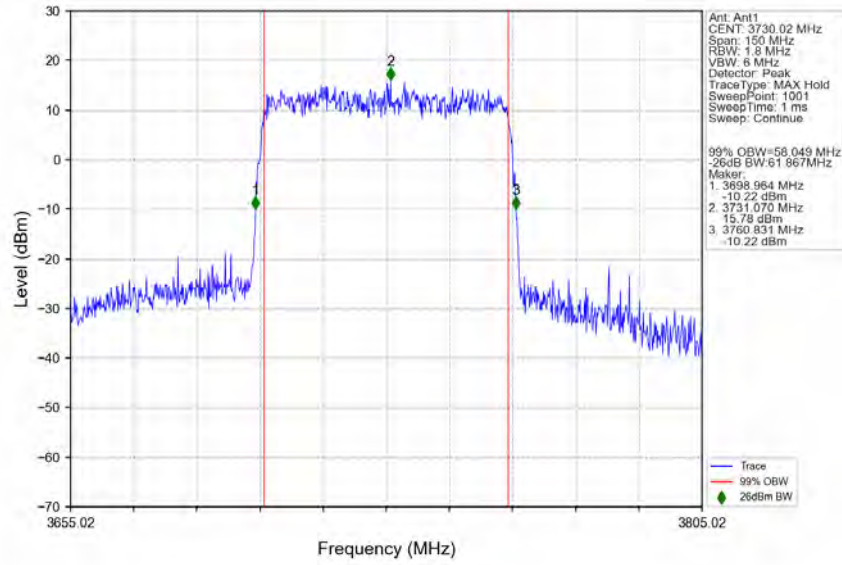
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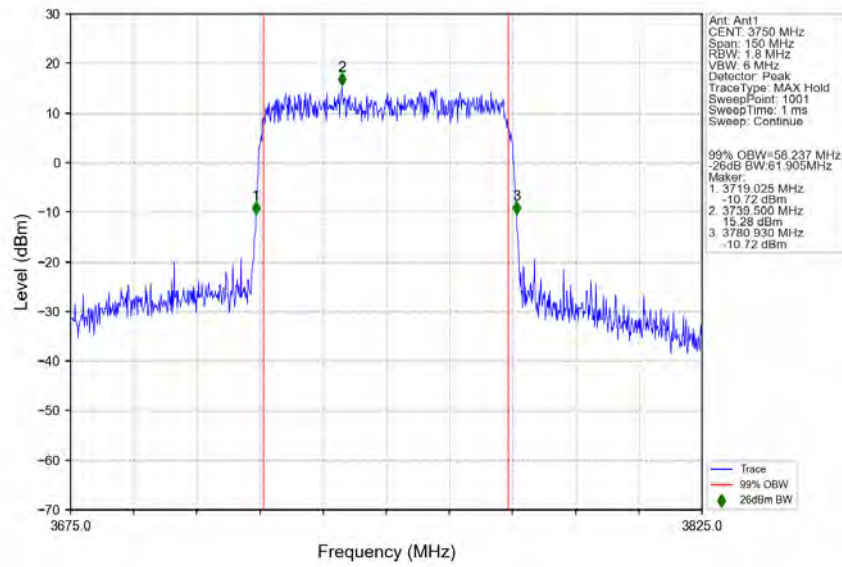
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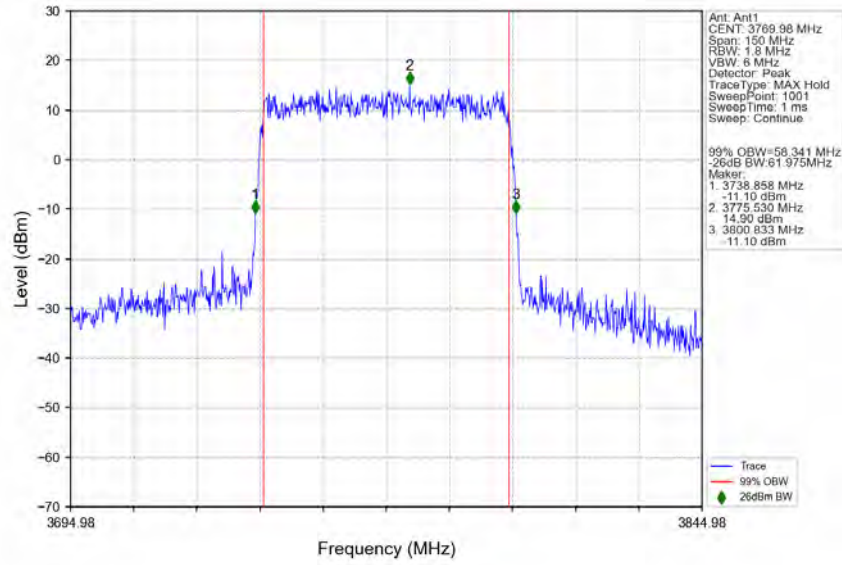
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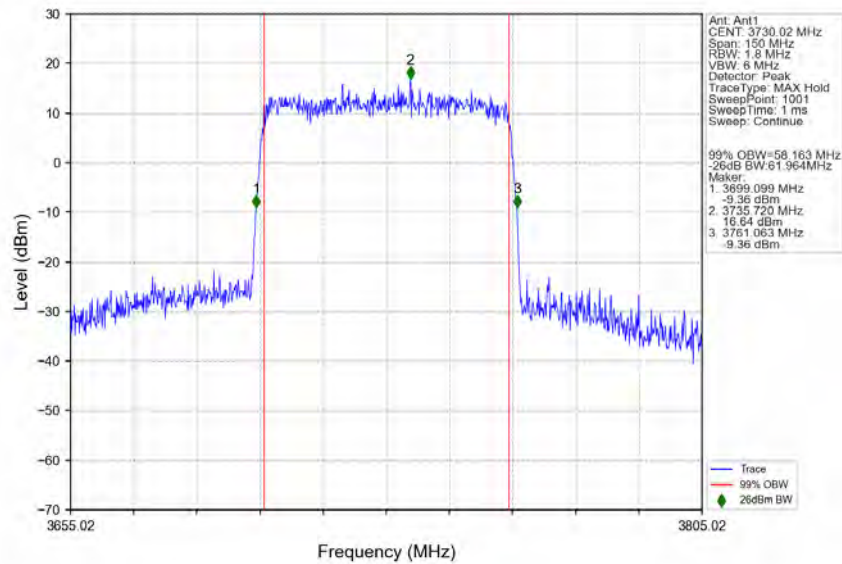
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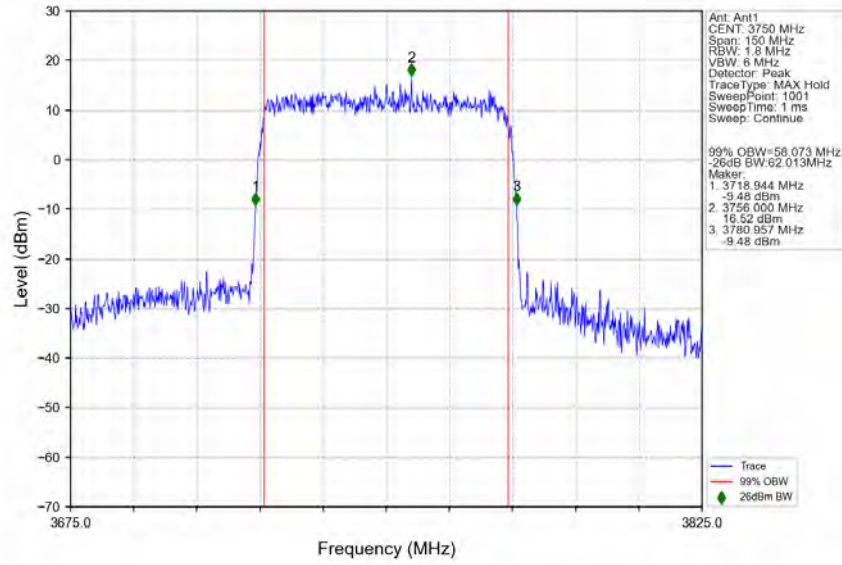
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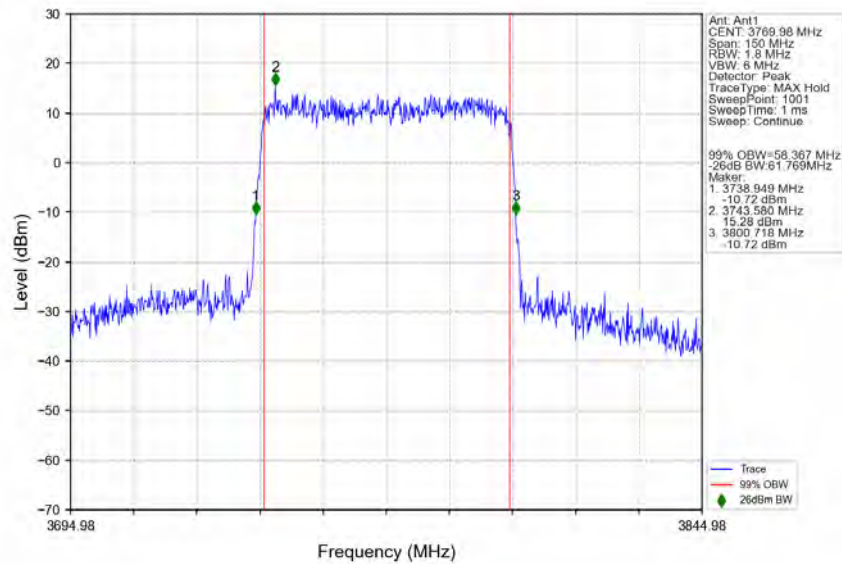
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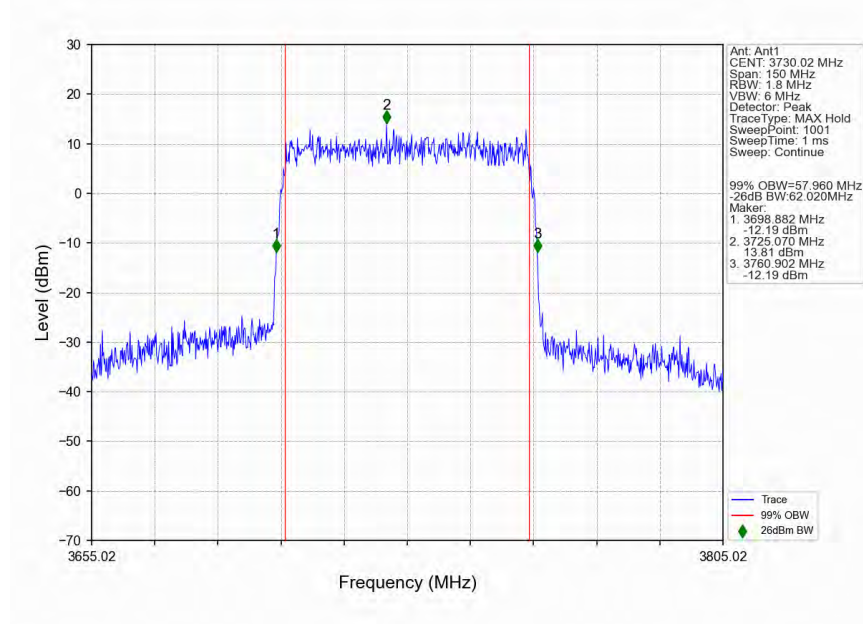
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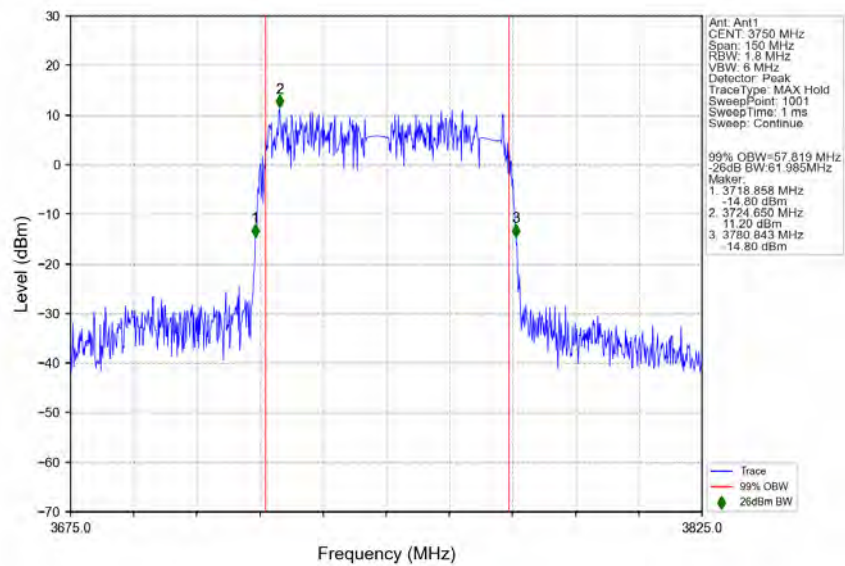
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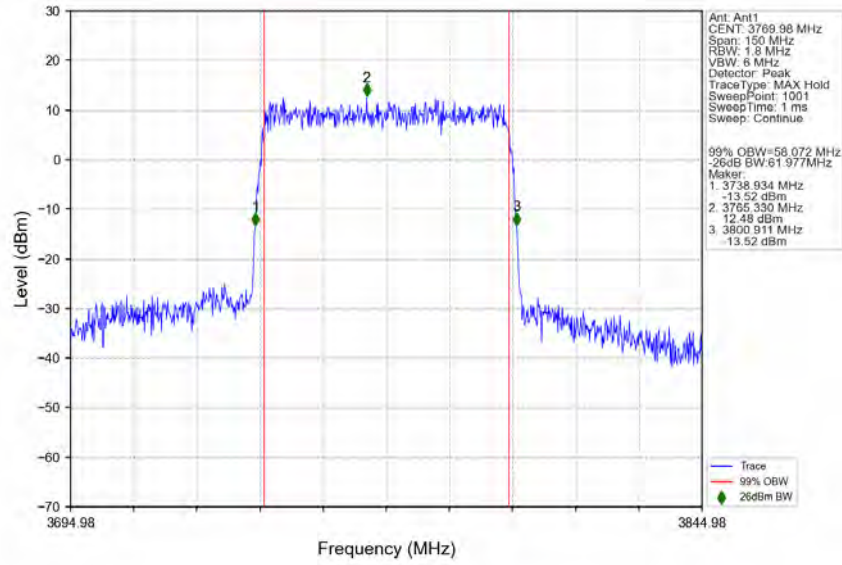
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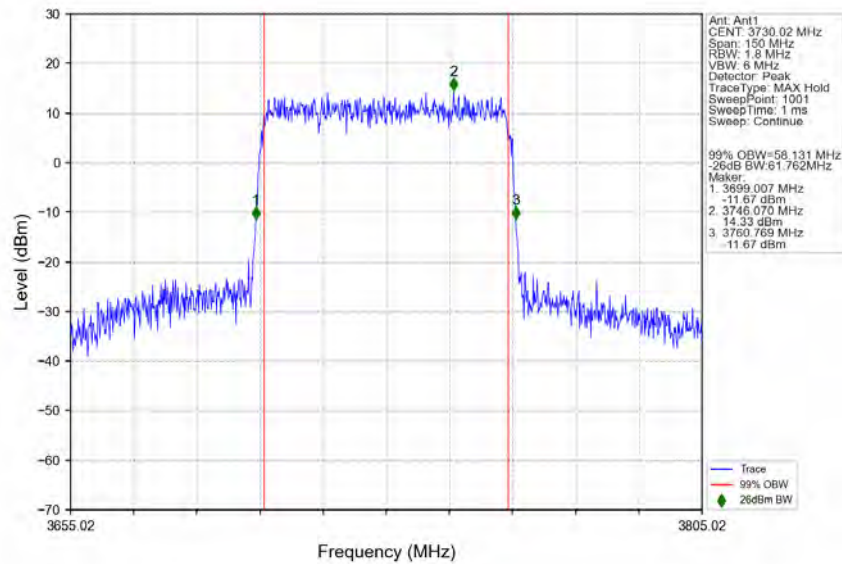
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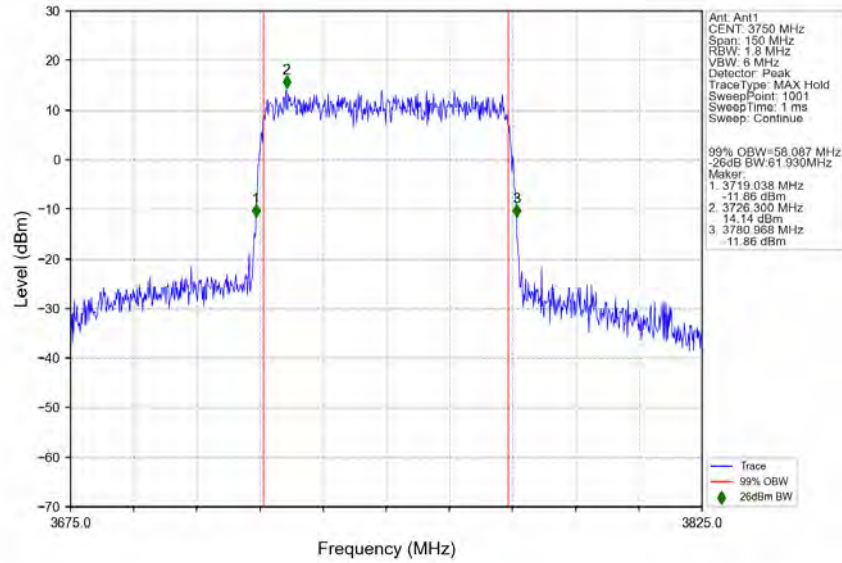
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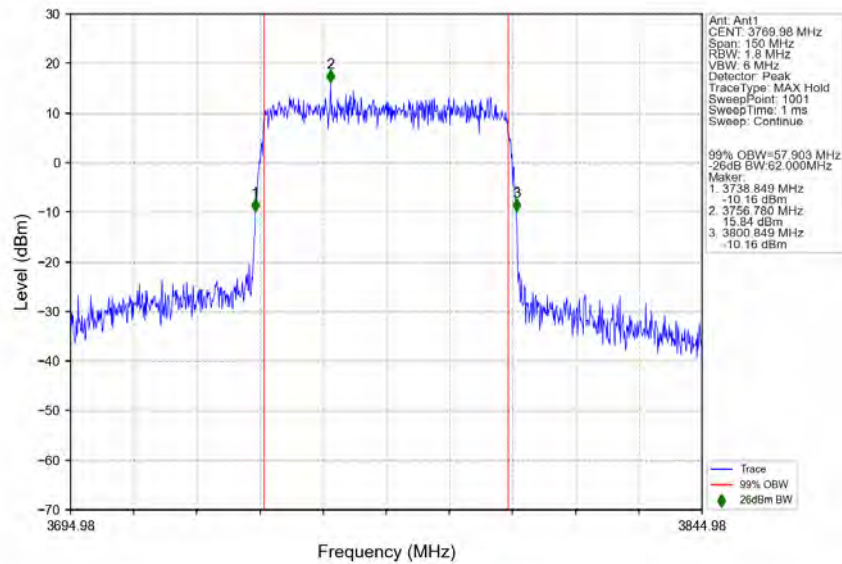
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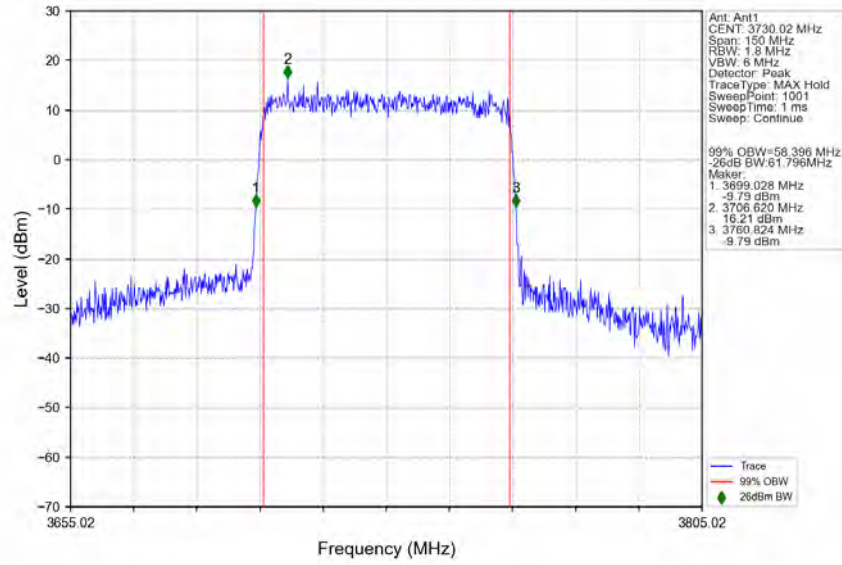
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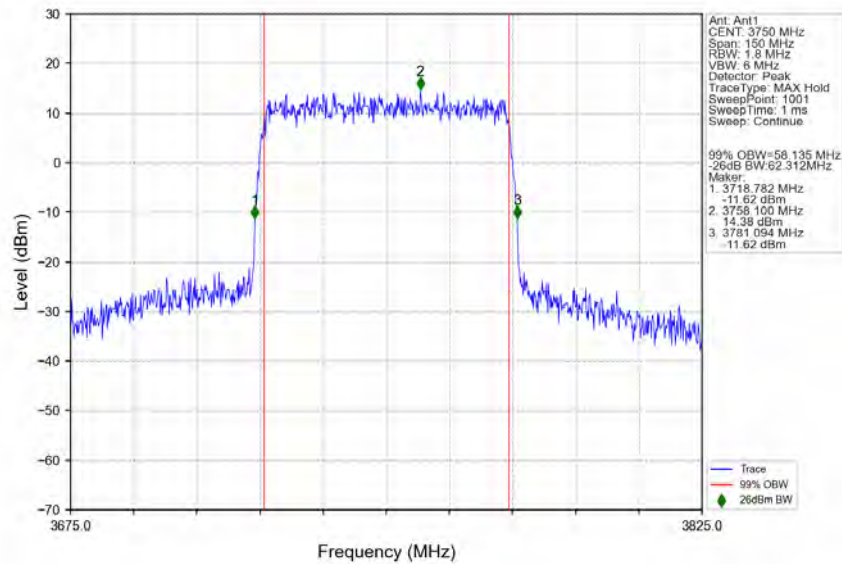
n78a 30kHz SISO NTN 60MHz CP-OFDM QPSK 3769.98MHz Outer Full Ant1



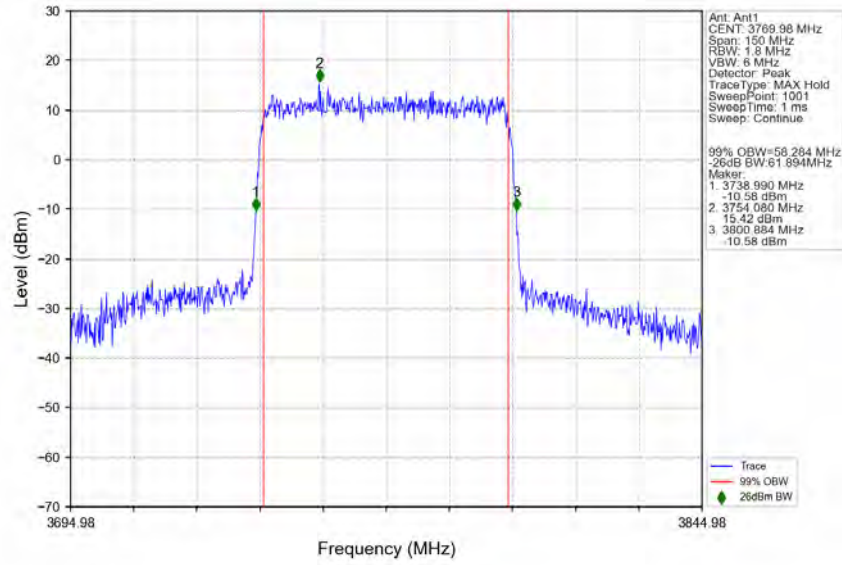
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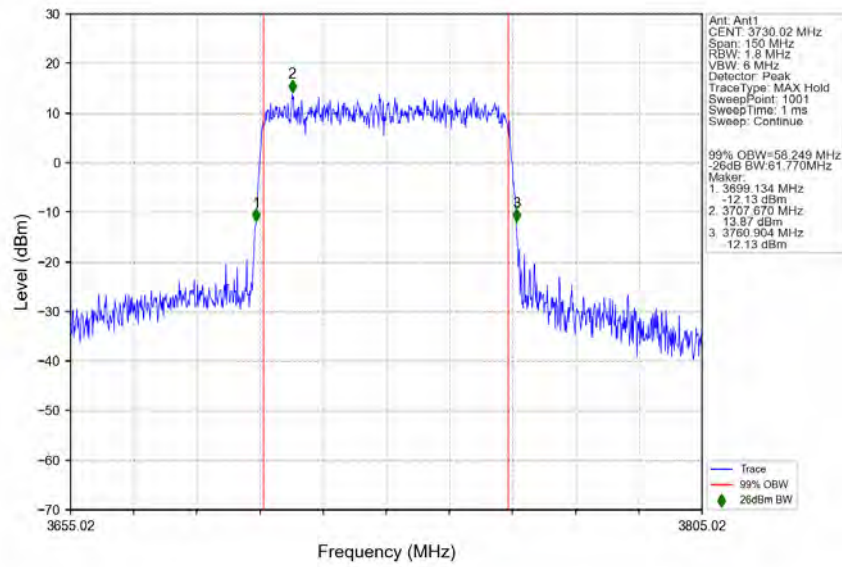
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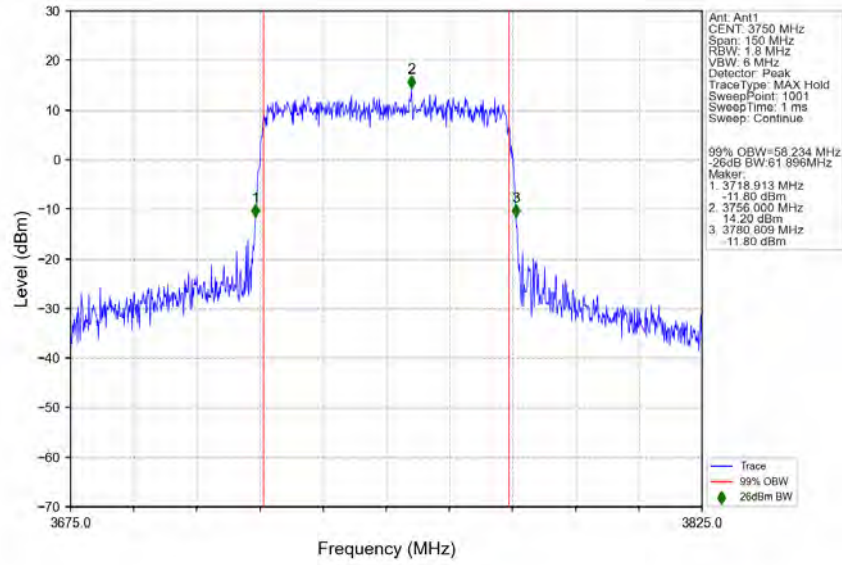
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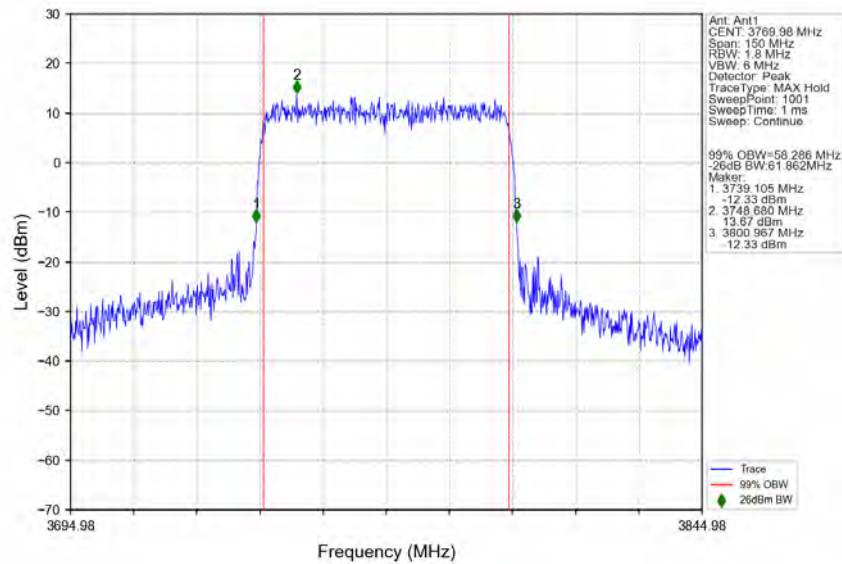
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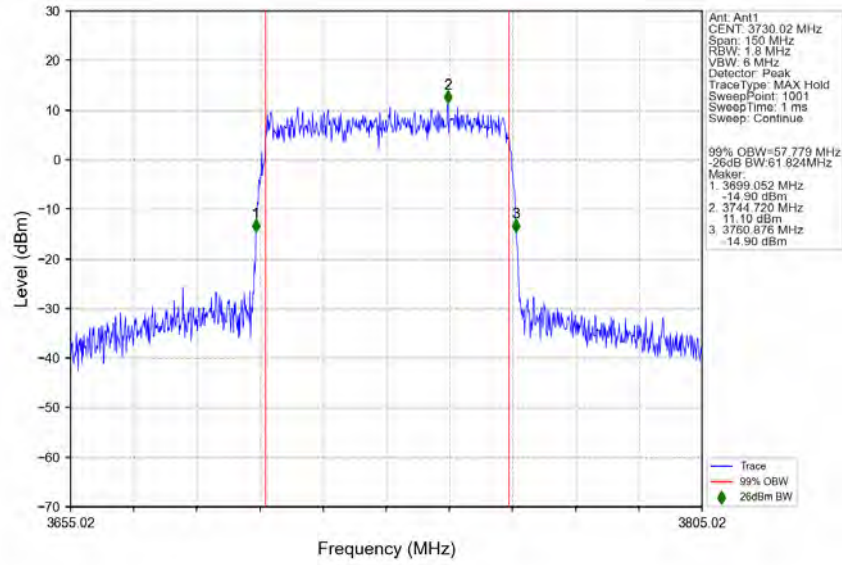
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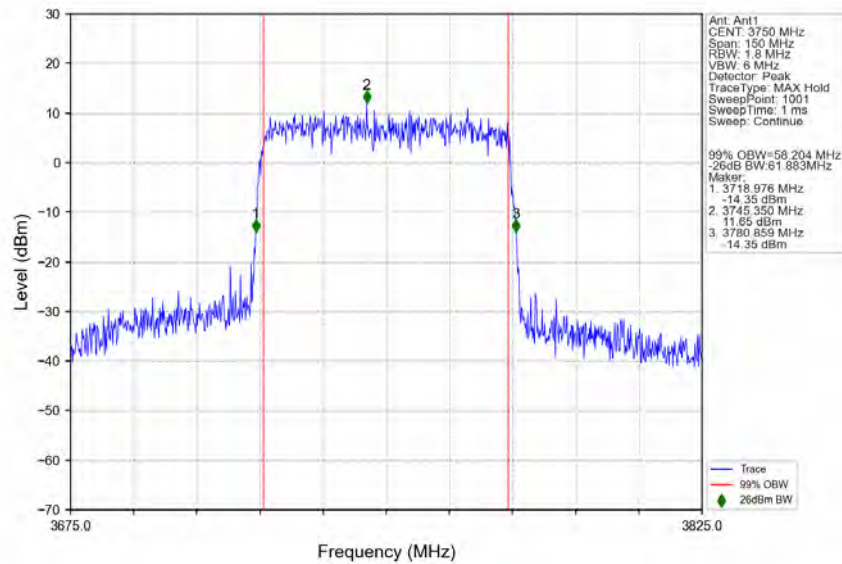
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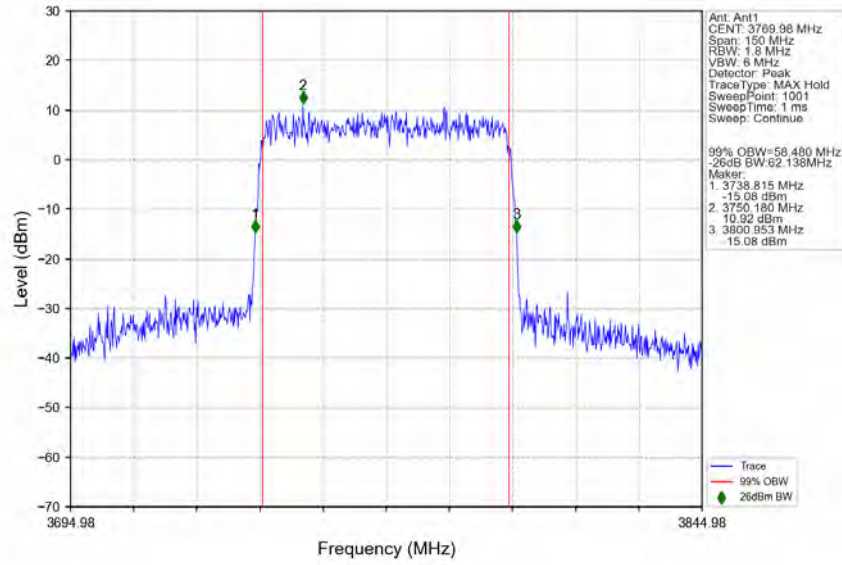
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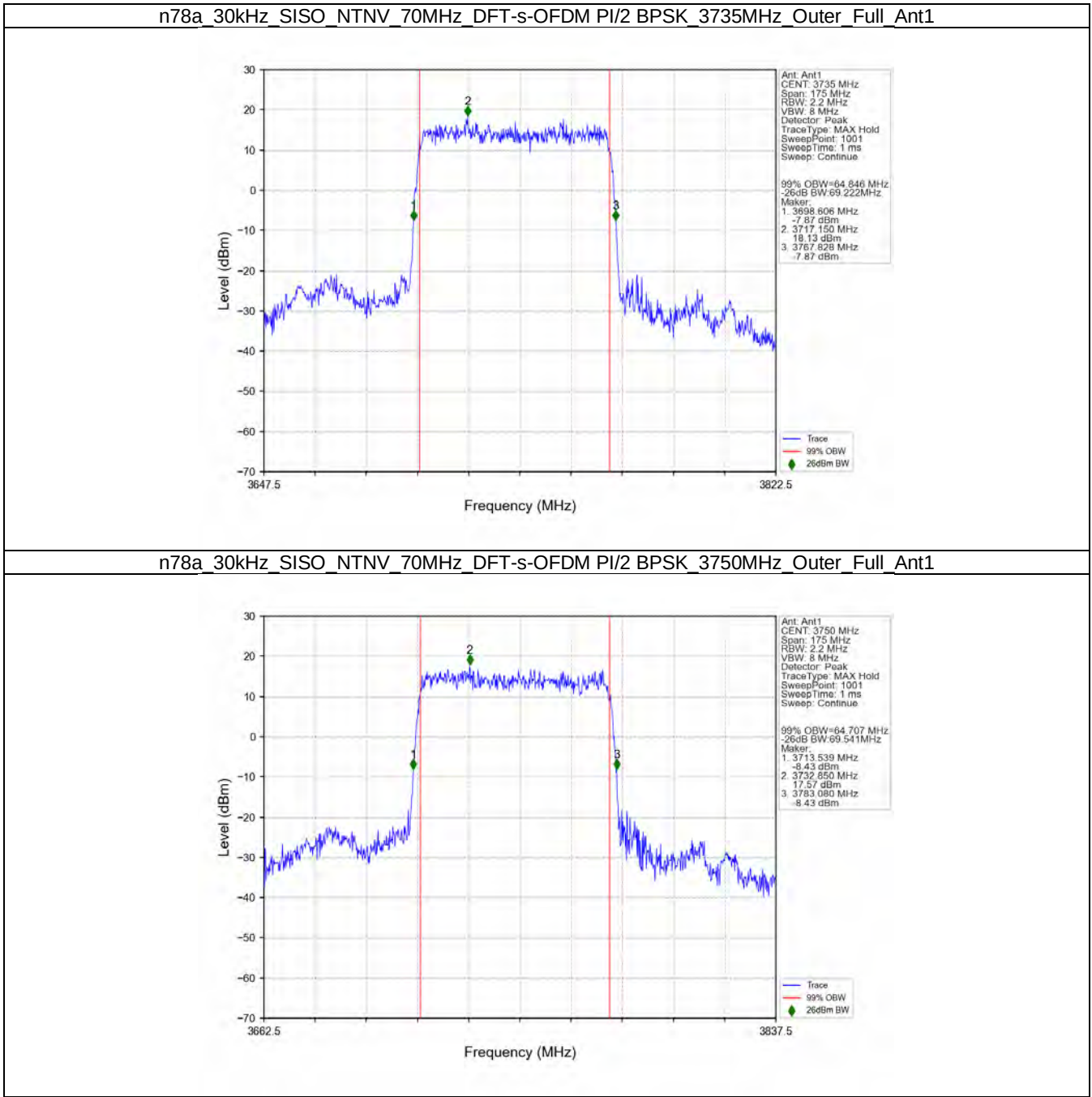
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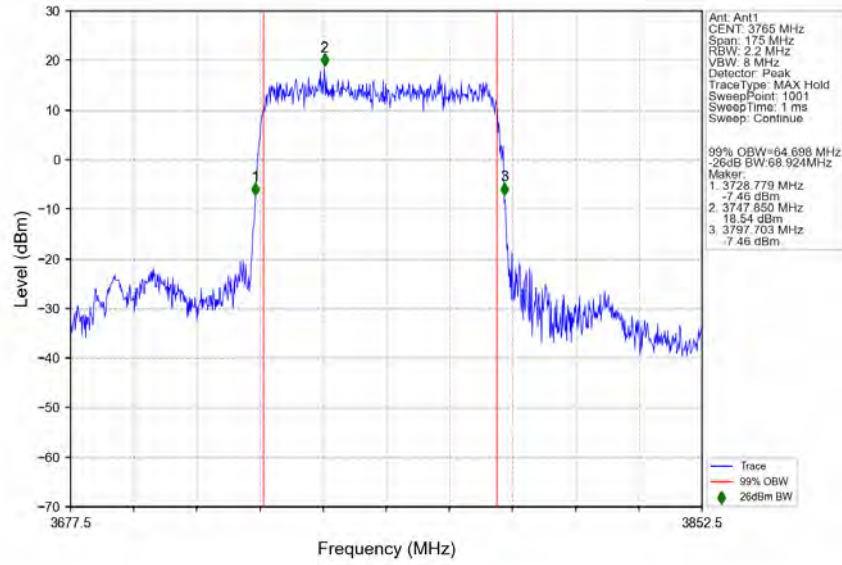
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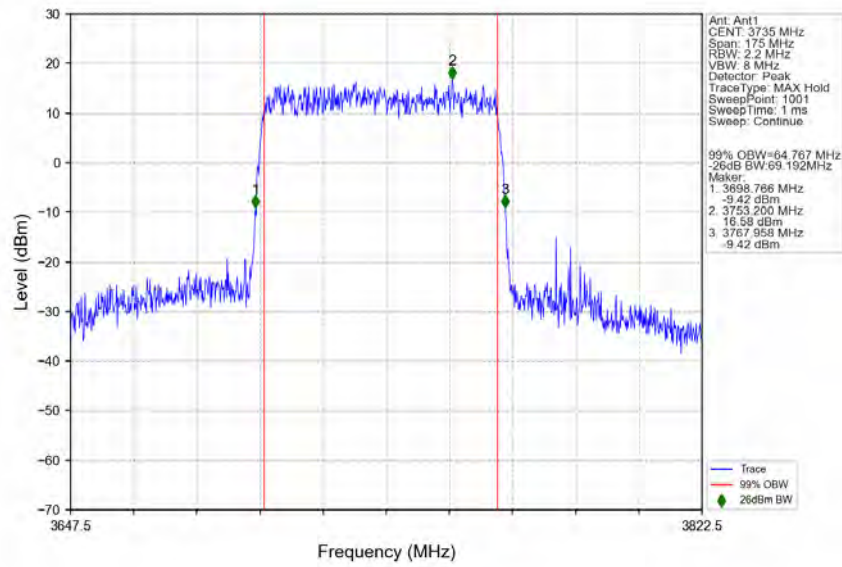
3.2.6 30k_SISO_70MHz_NTNV



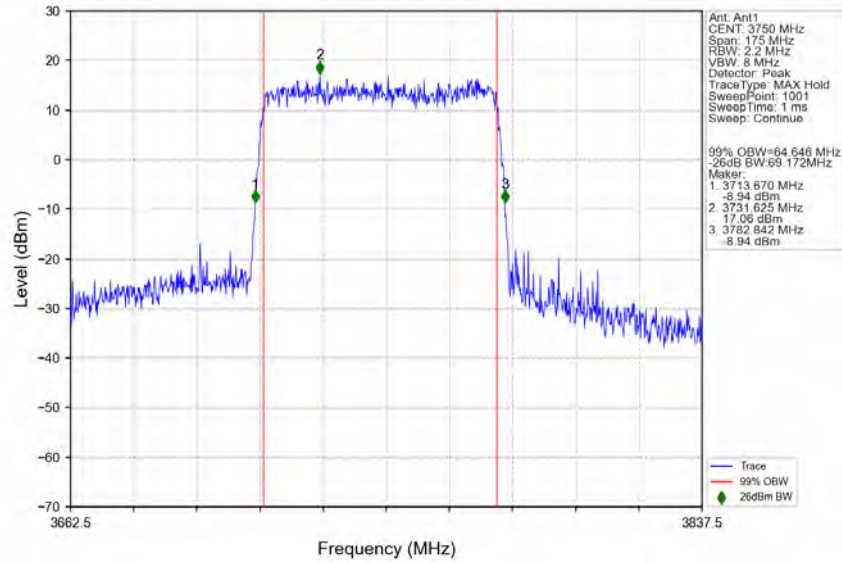
n78a 30kHz SISO NTN 70MHz DFT-s-OFDM PI/2 BPSK 3765MHz Outer Full Ant1



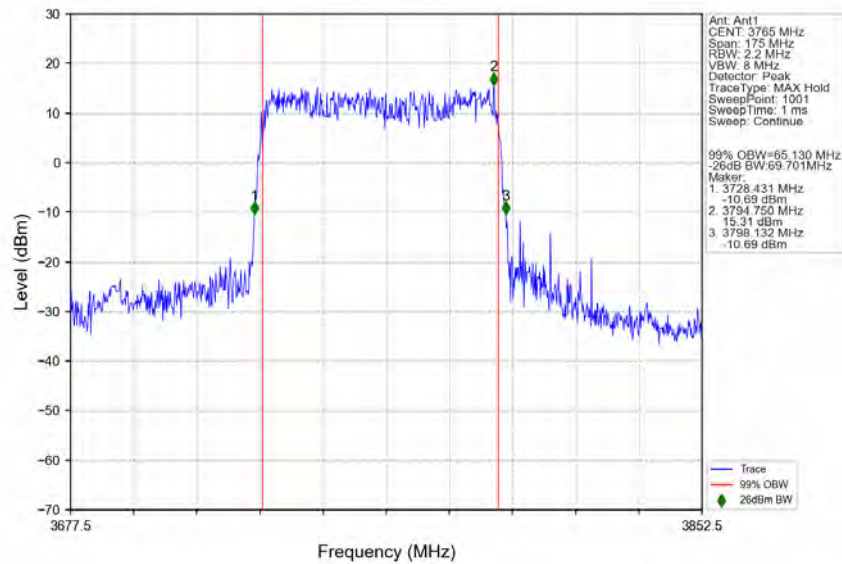
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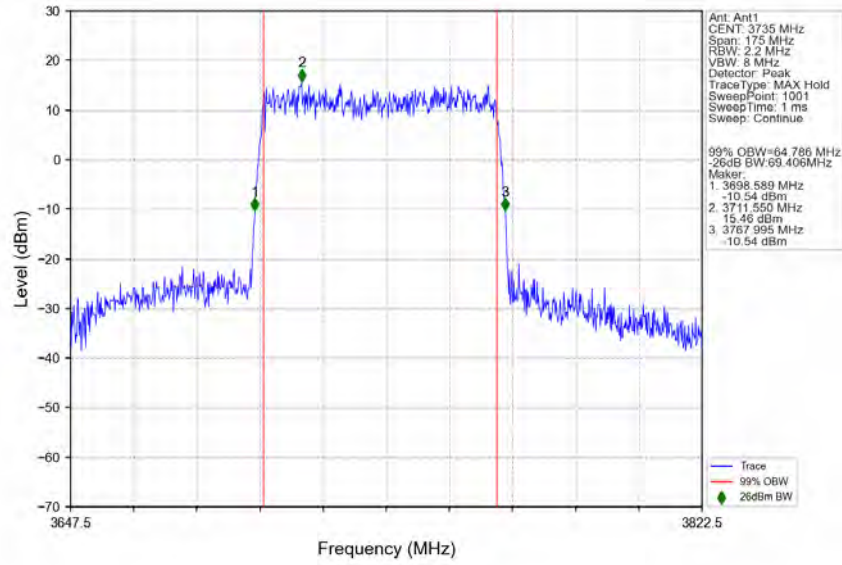
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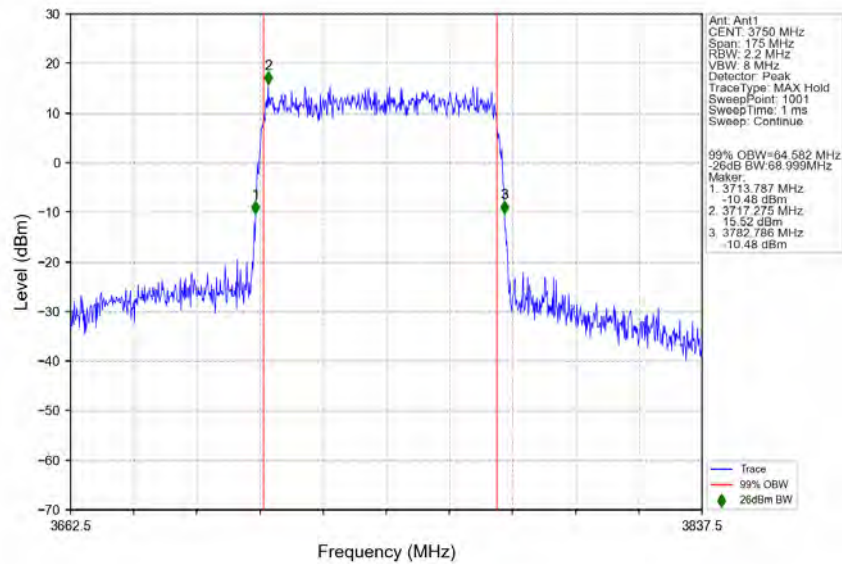
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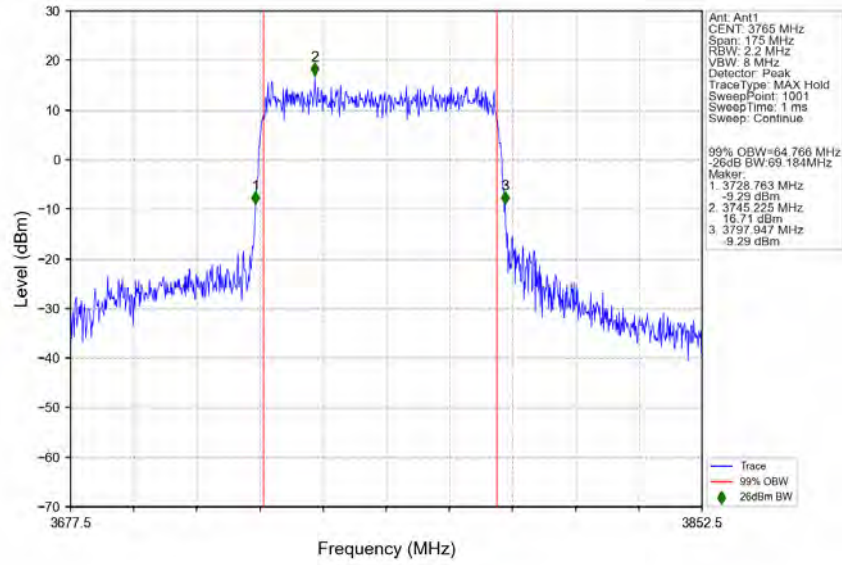
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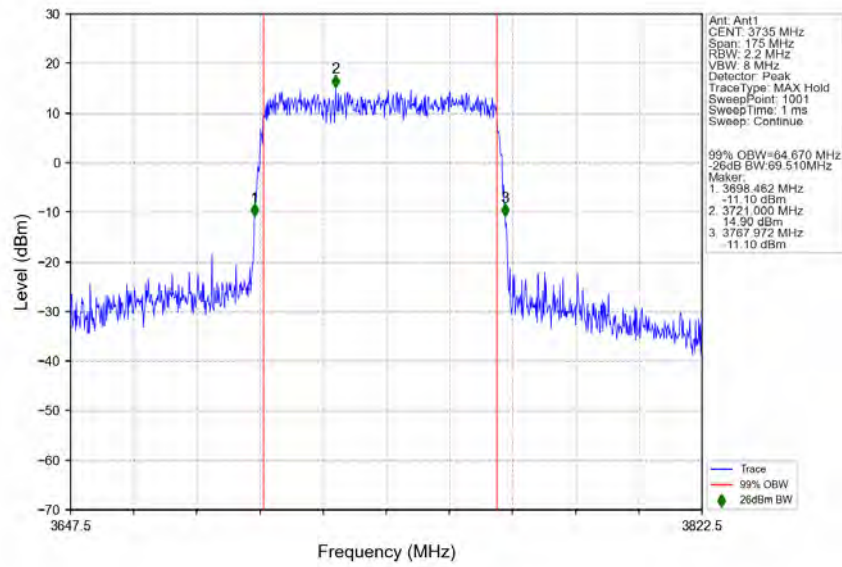
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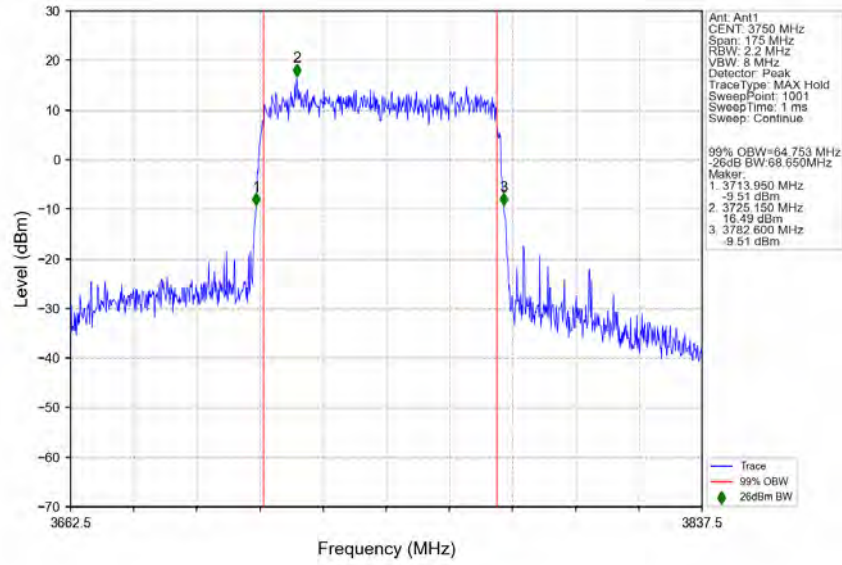
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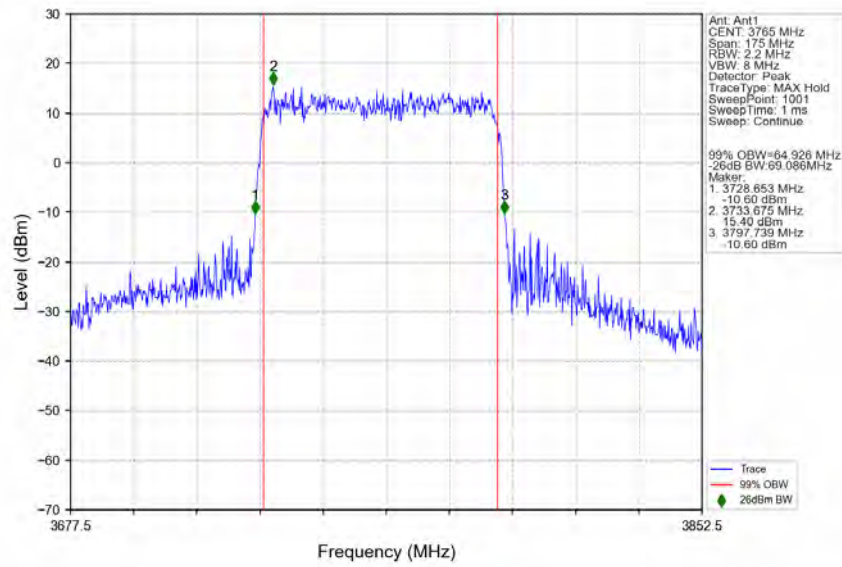
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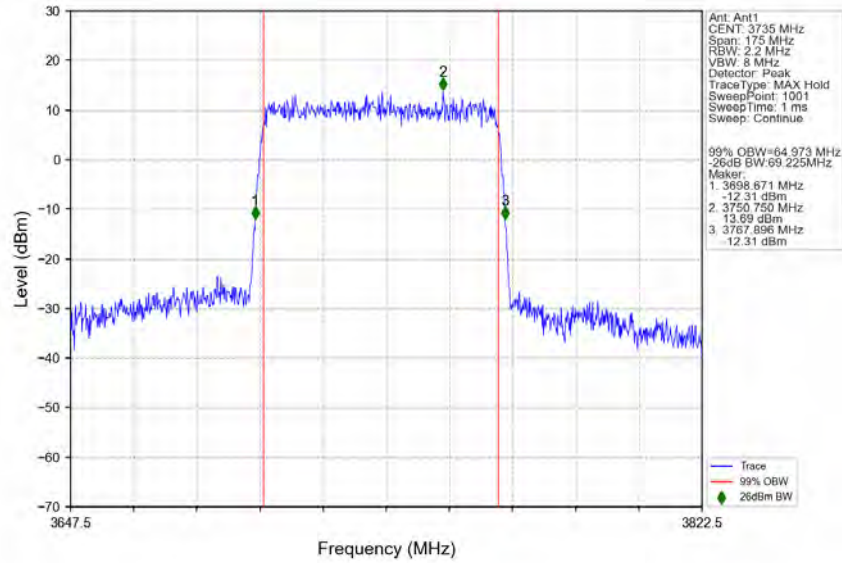
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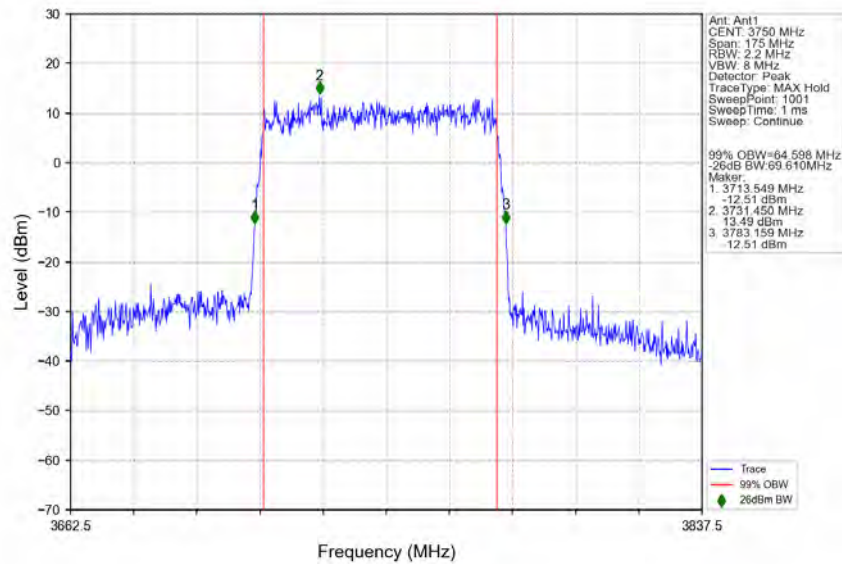
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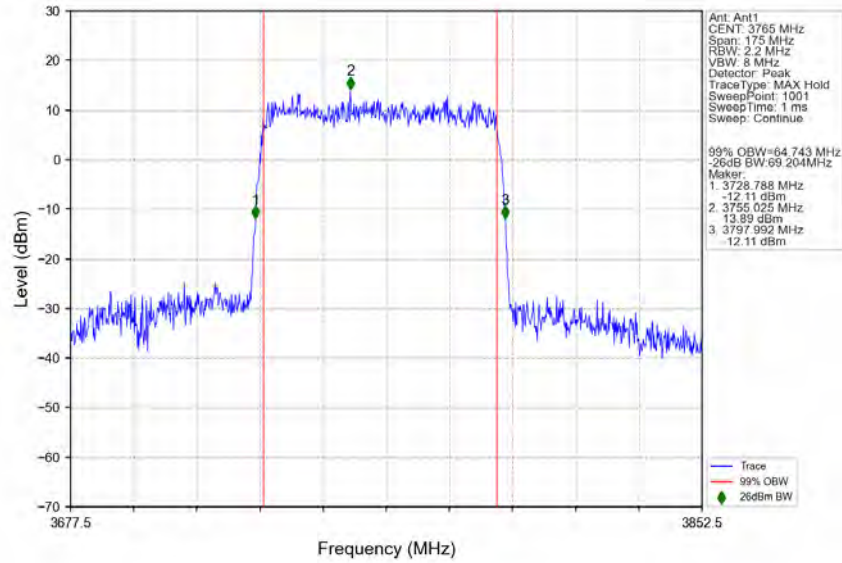
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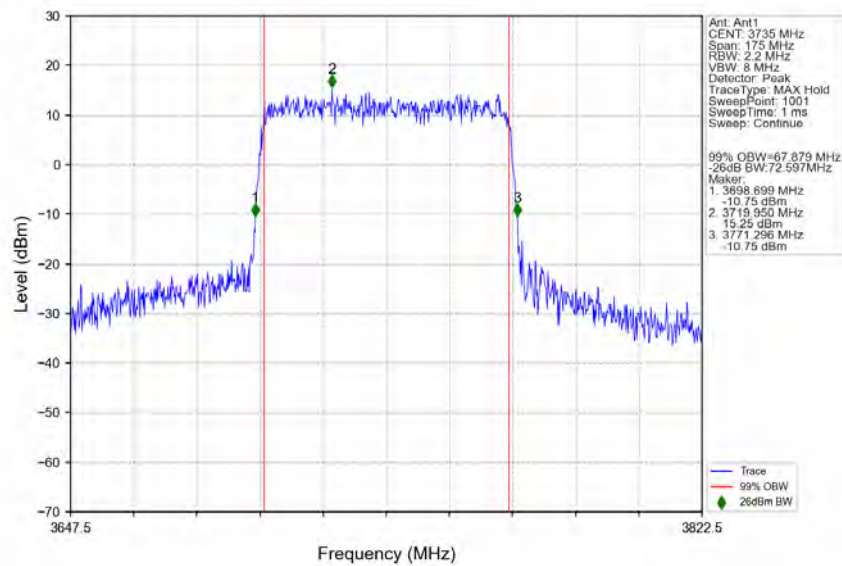
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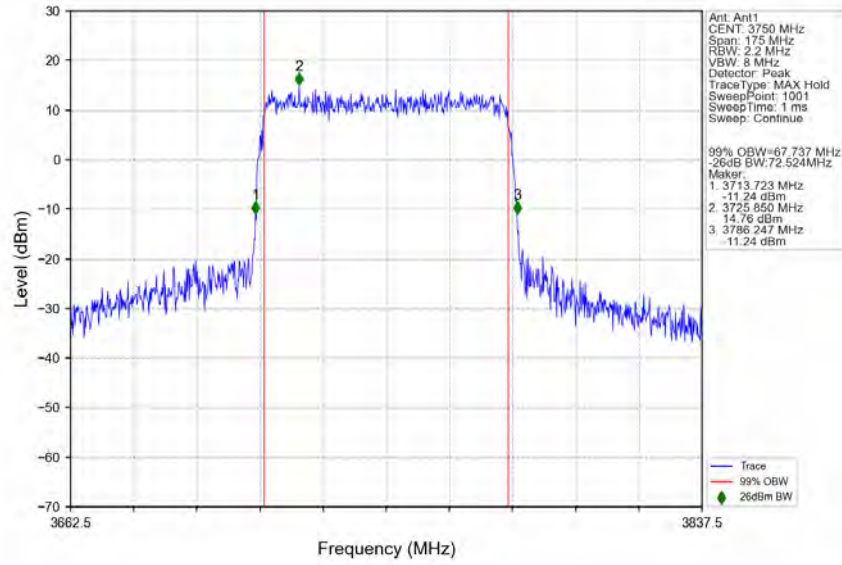
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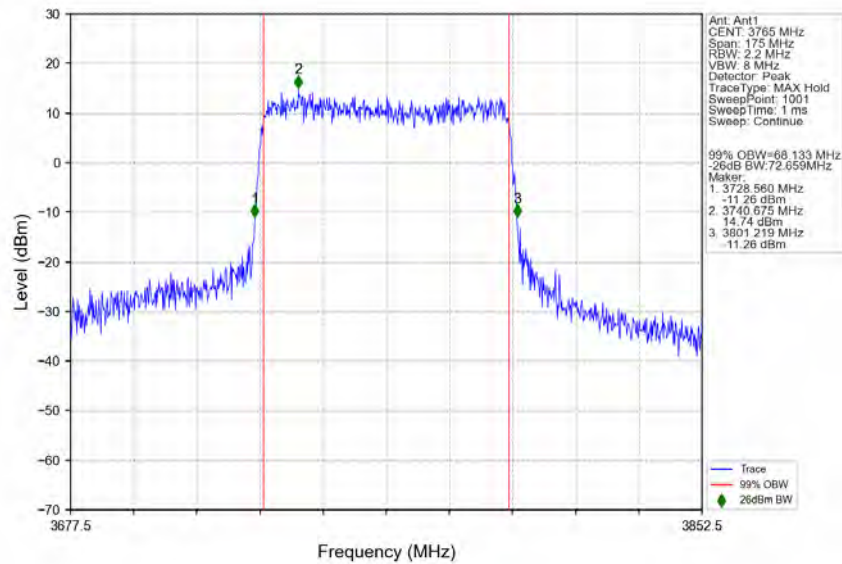
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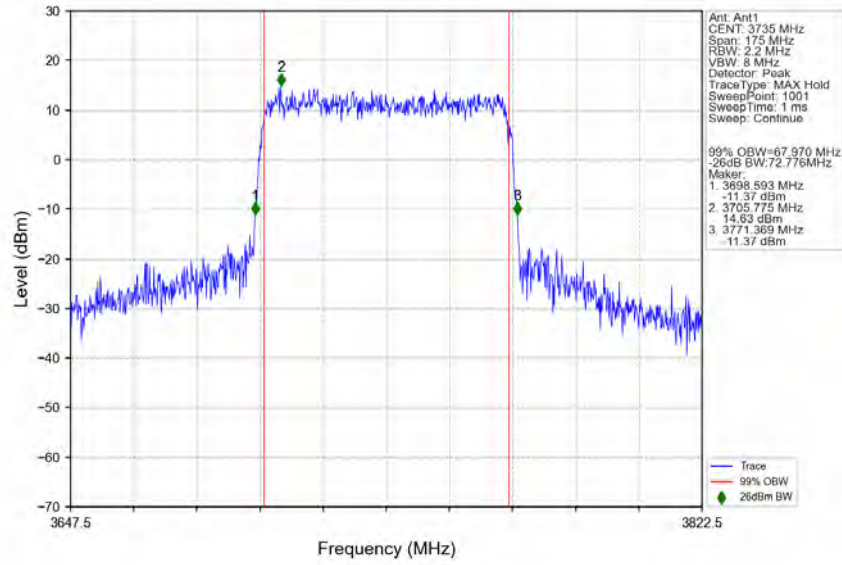
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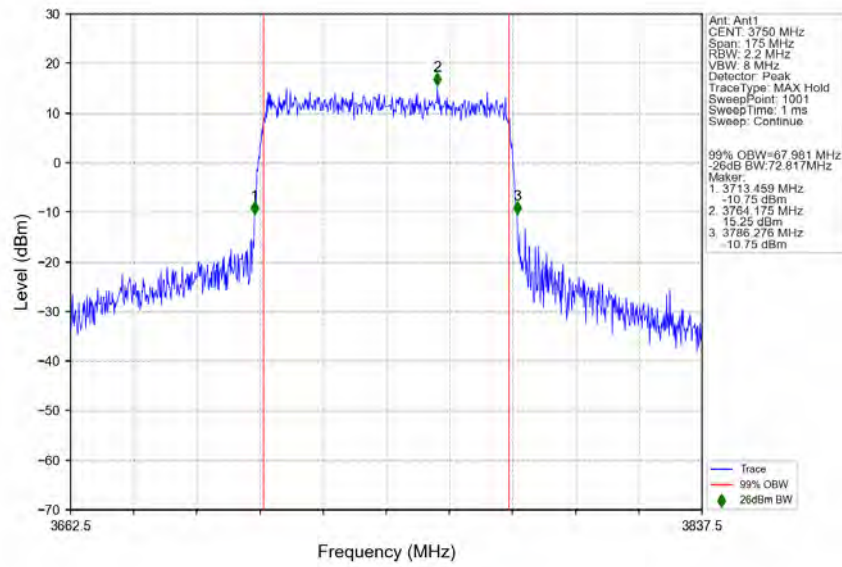
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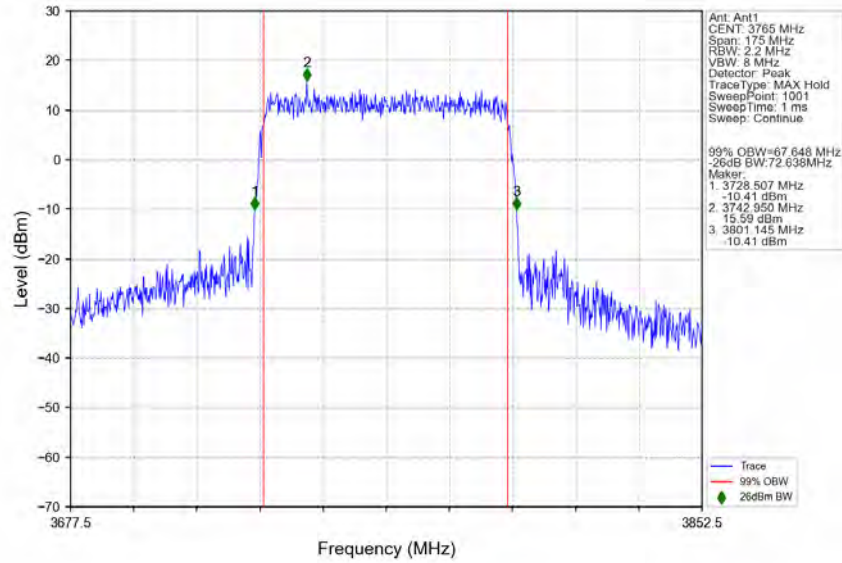
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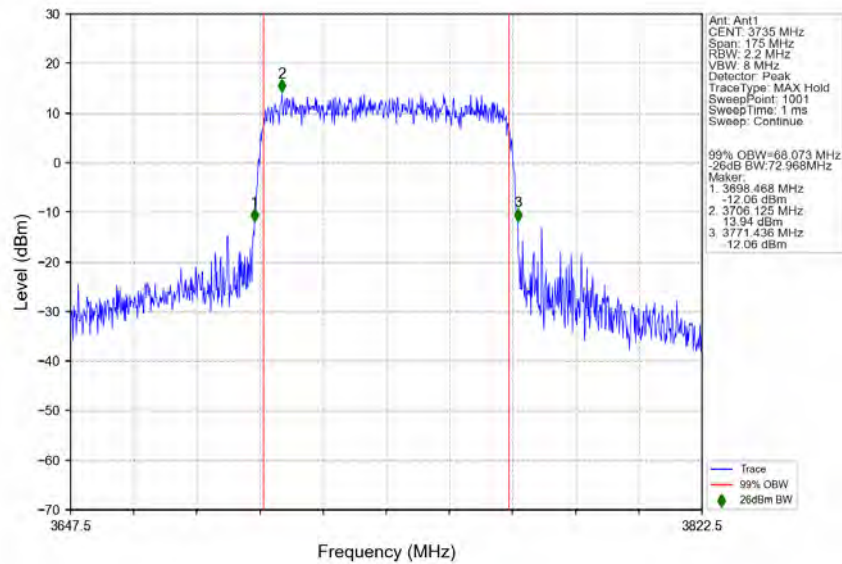
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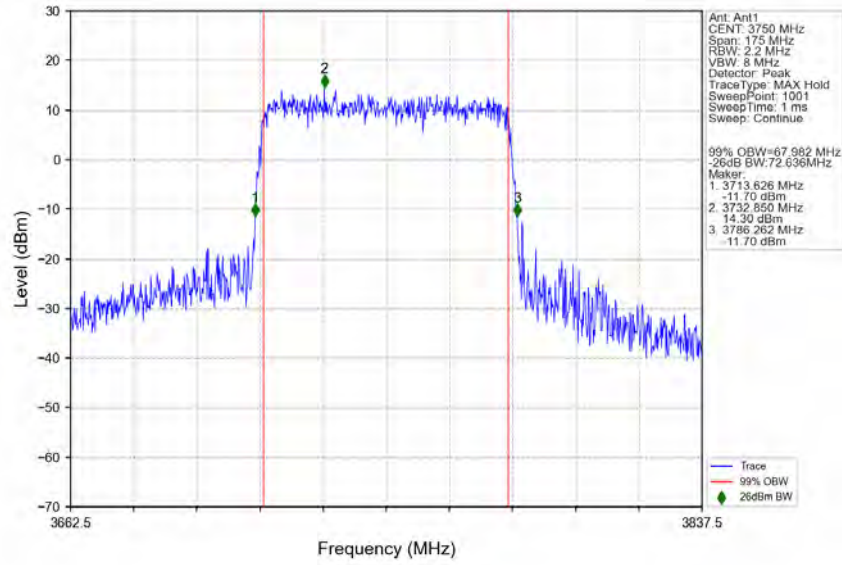
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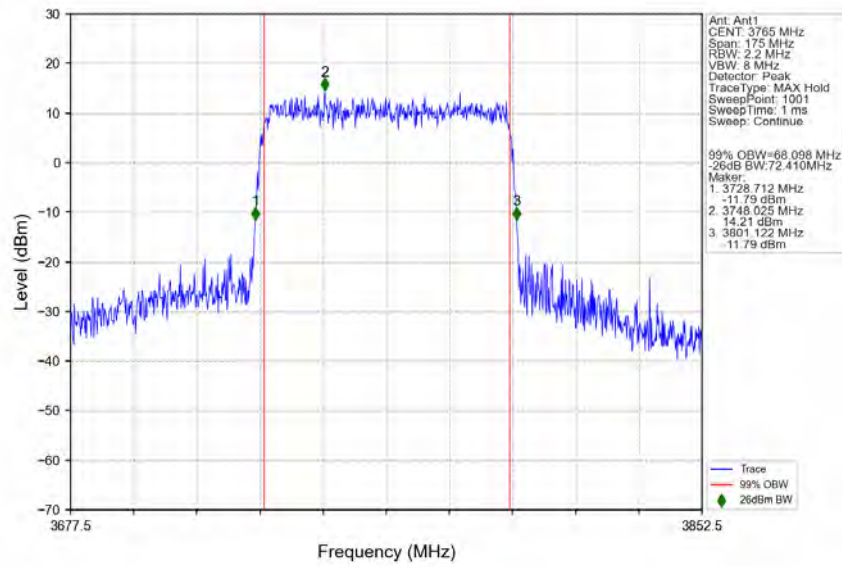
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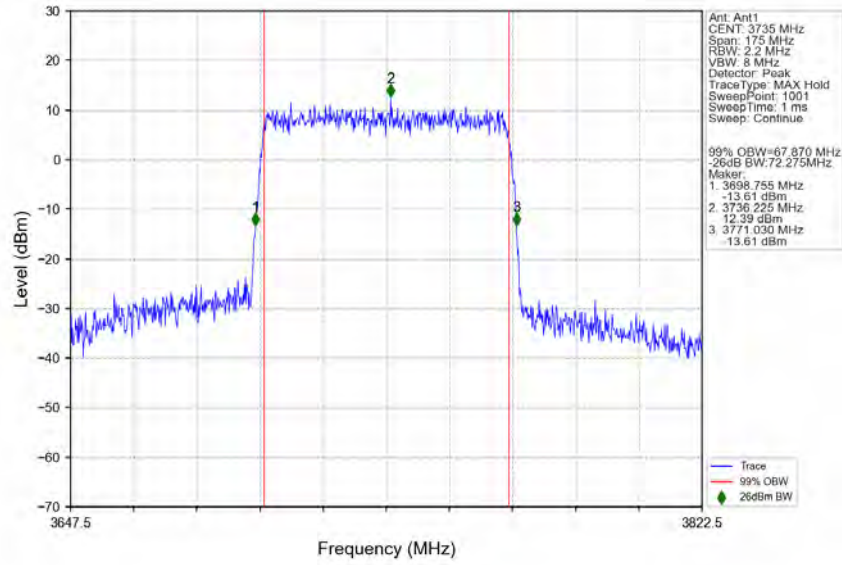
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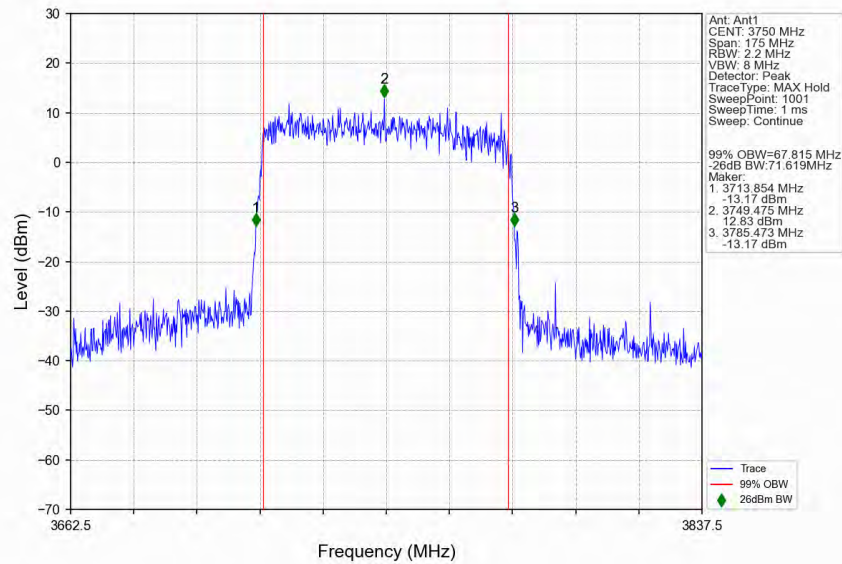
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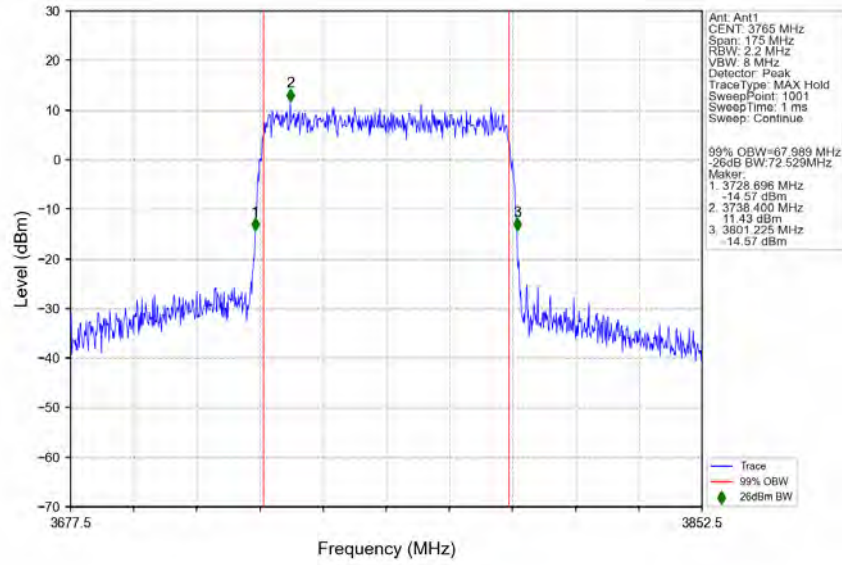
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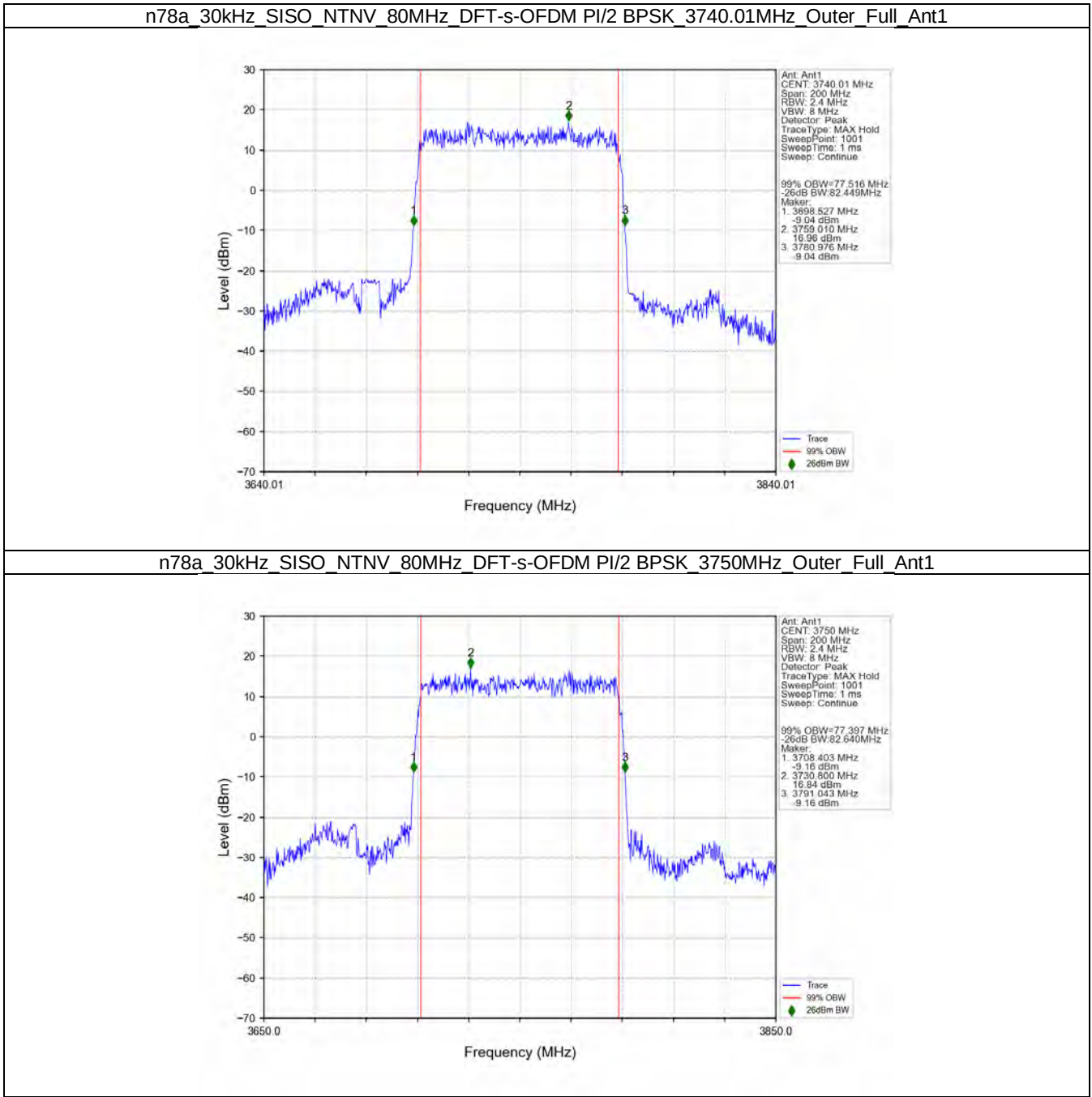
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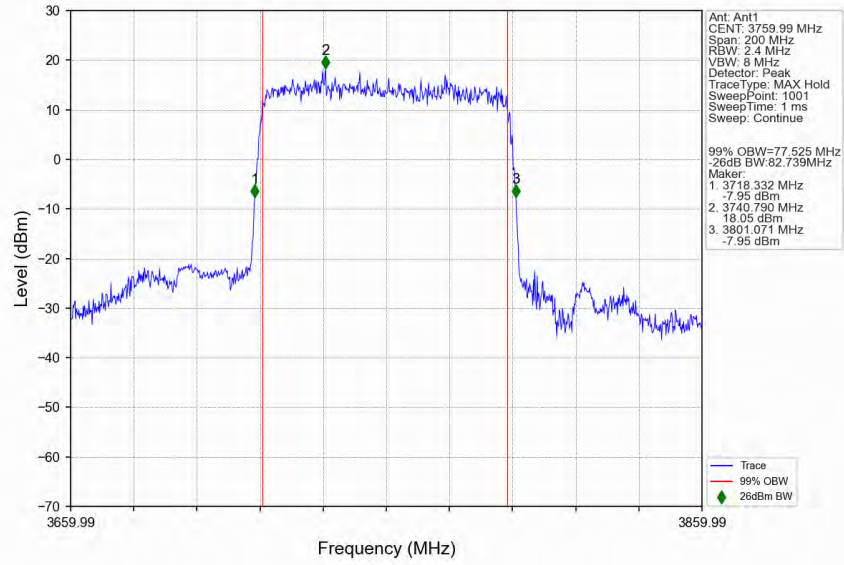
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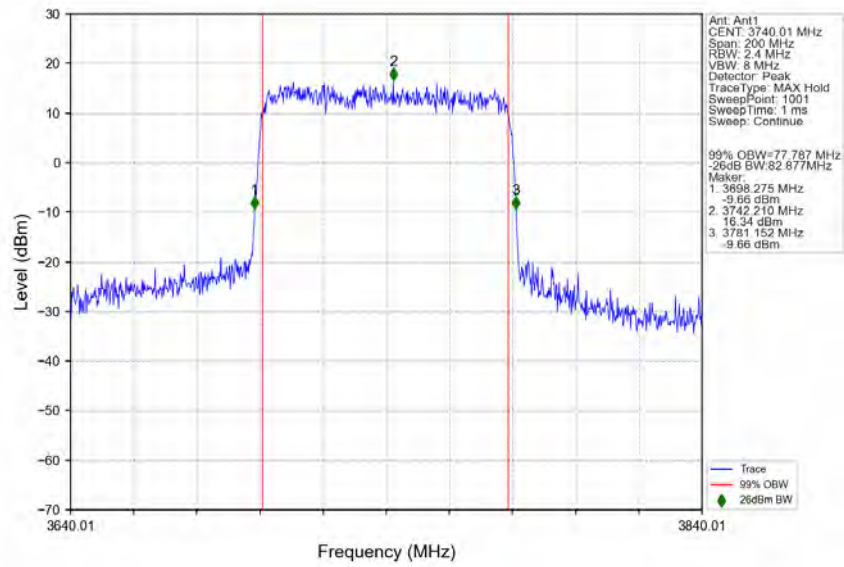
3.2.7 30k_SISO_80MHz_NTNV



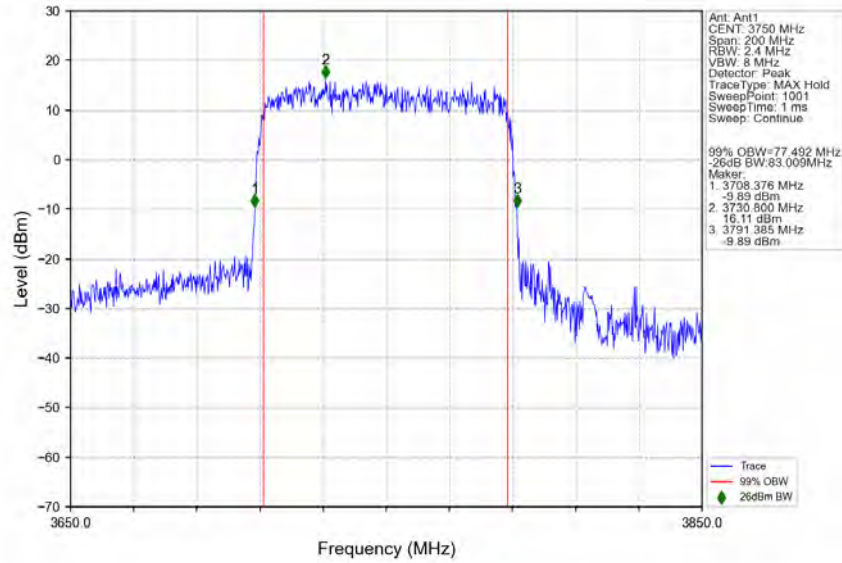
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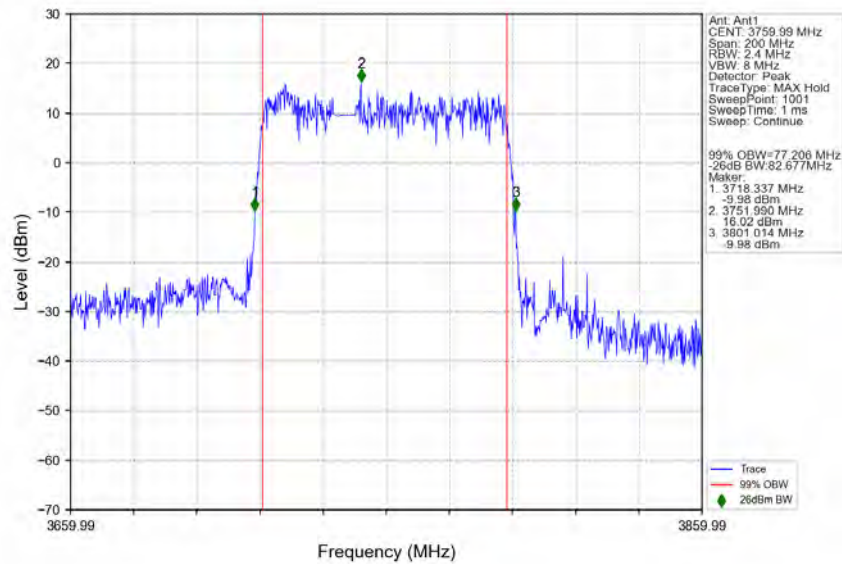
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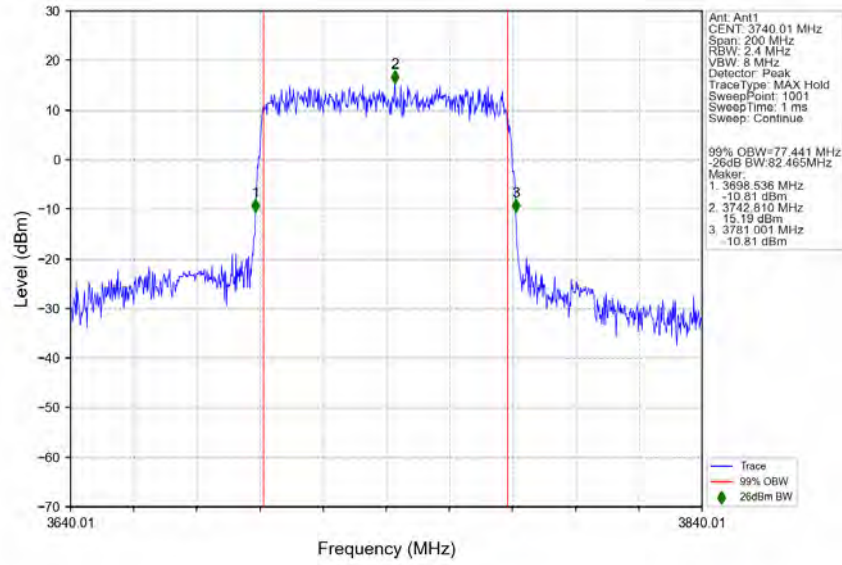
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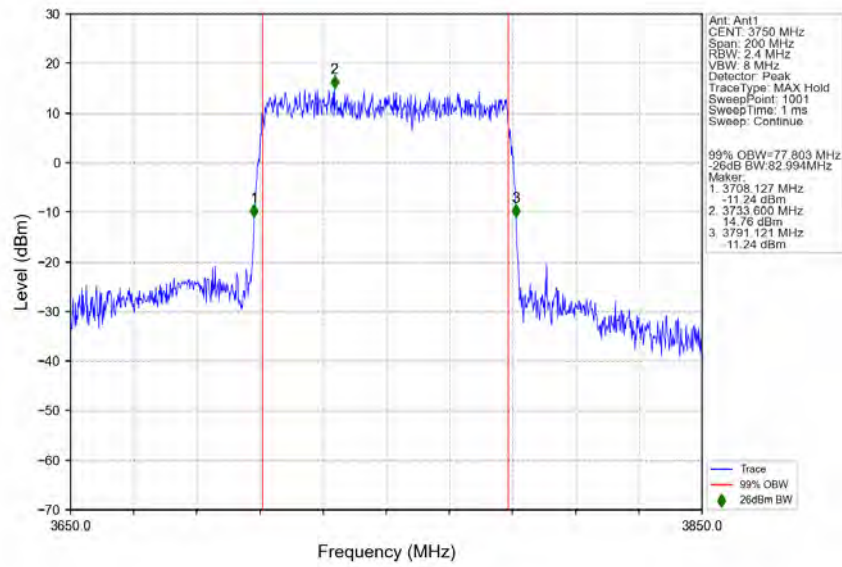
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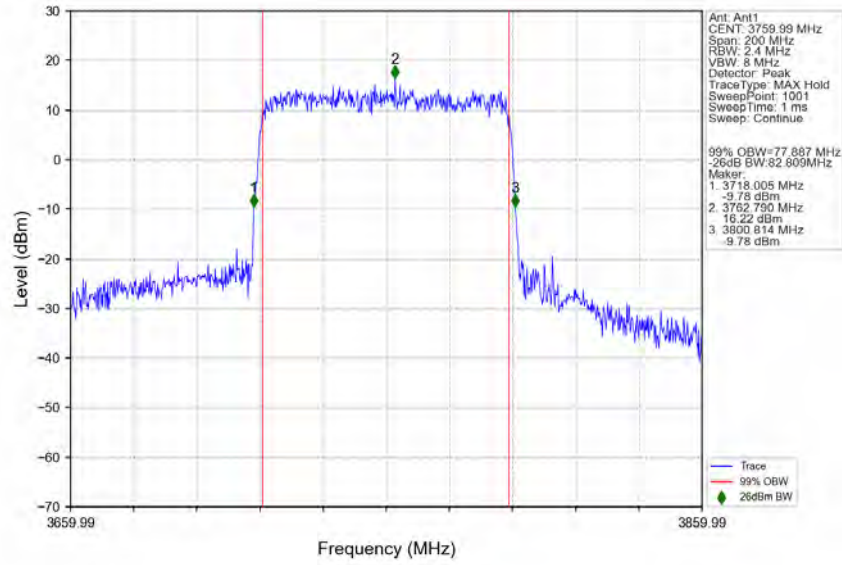
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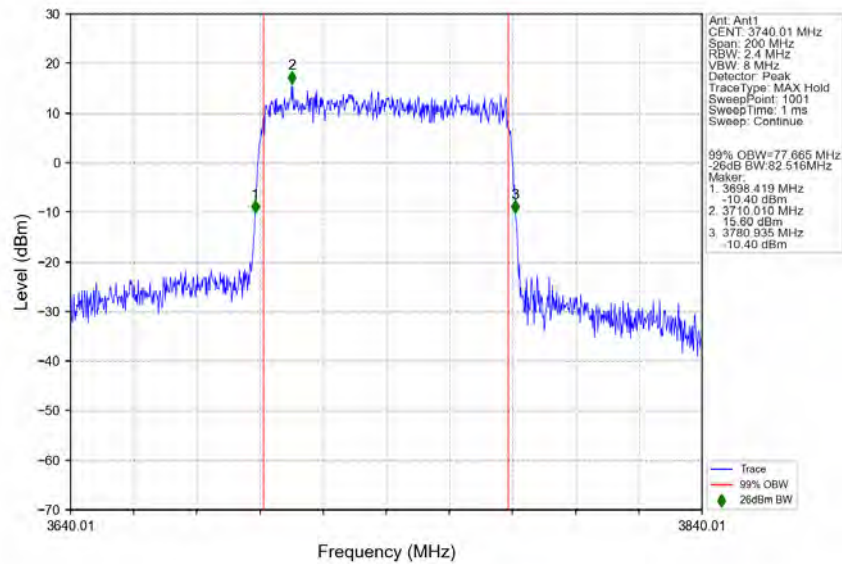
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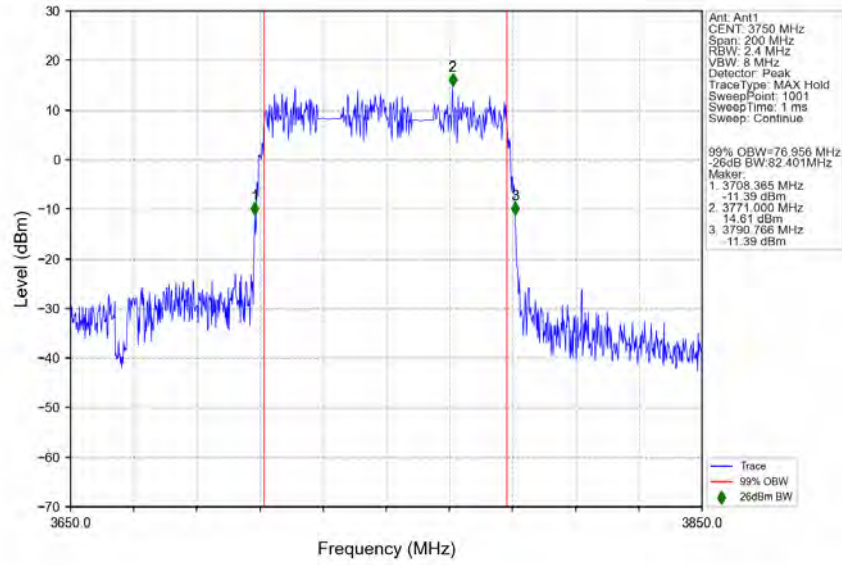
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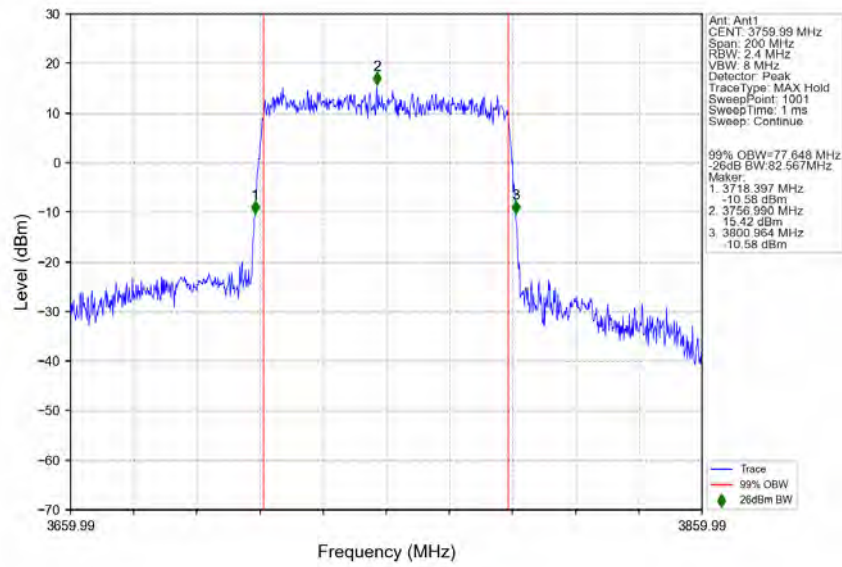
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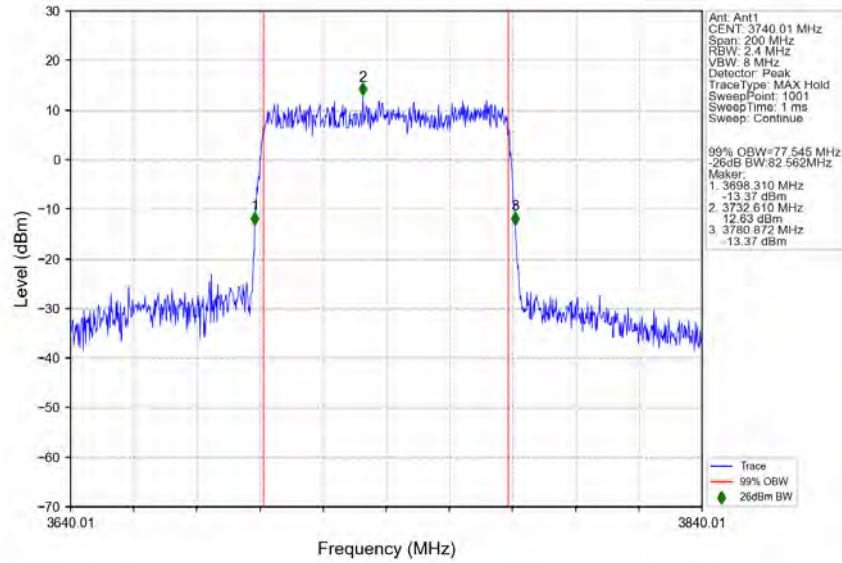
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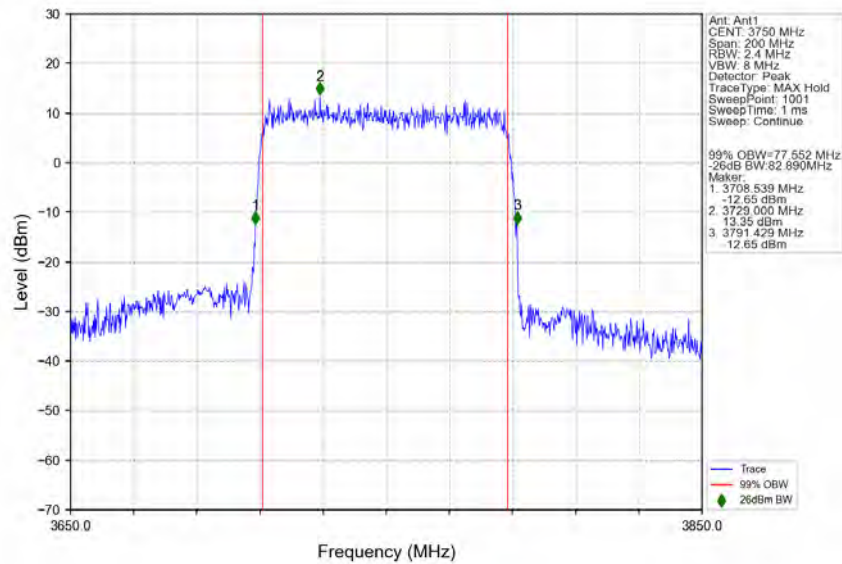
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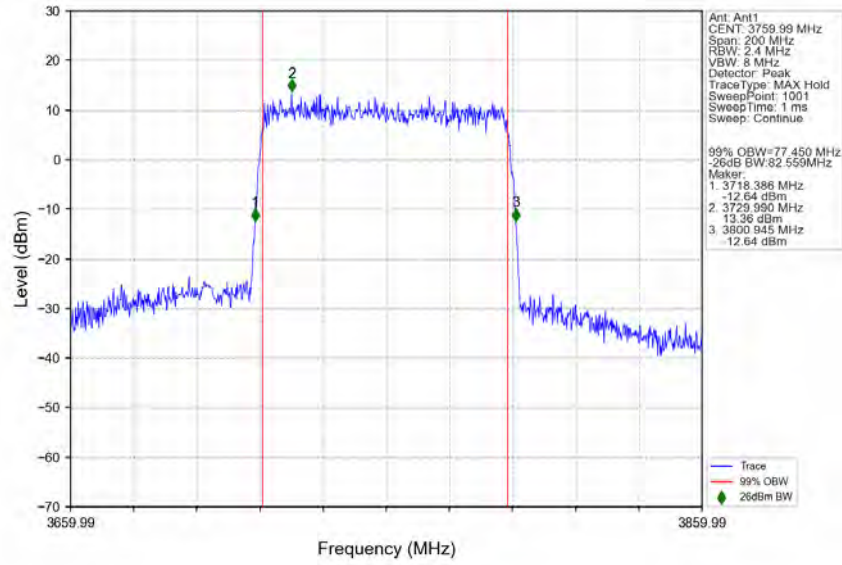
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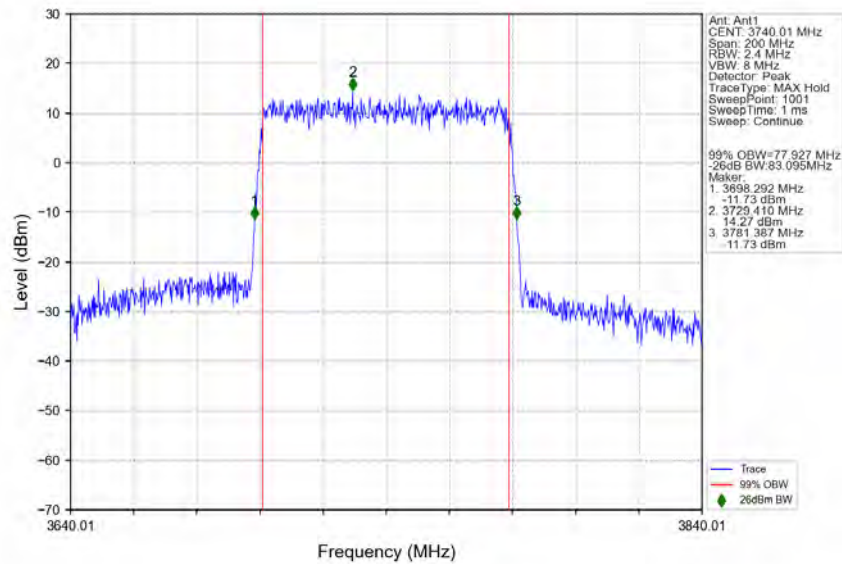
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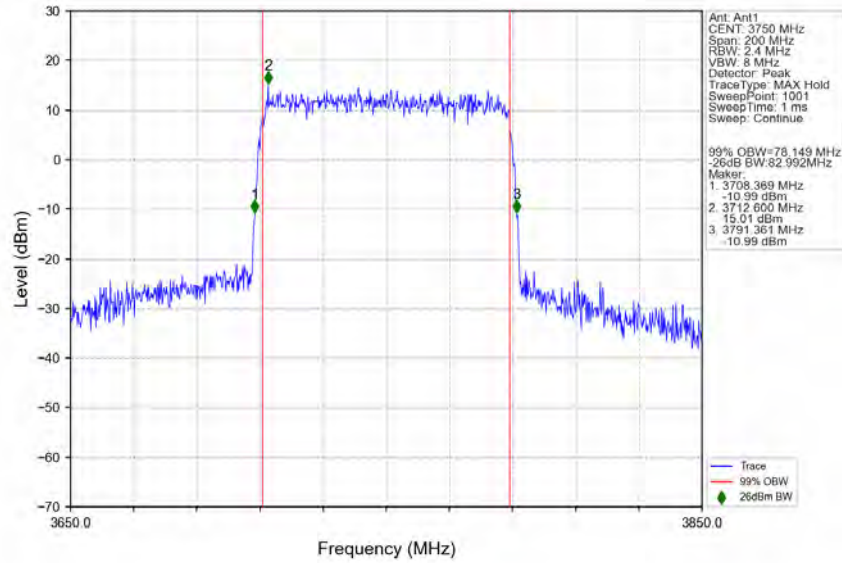
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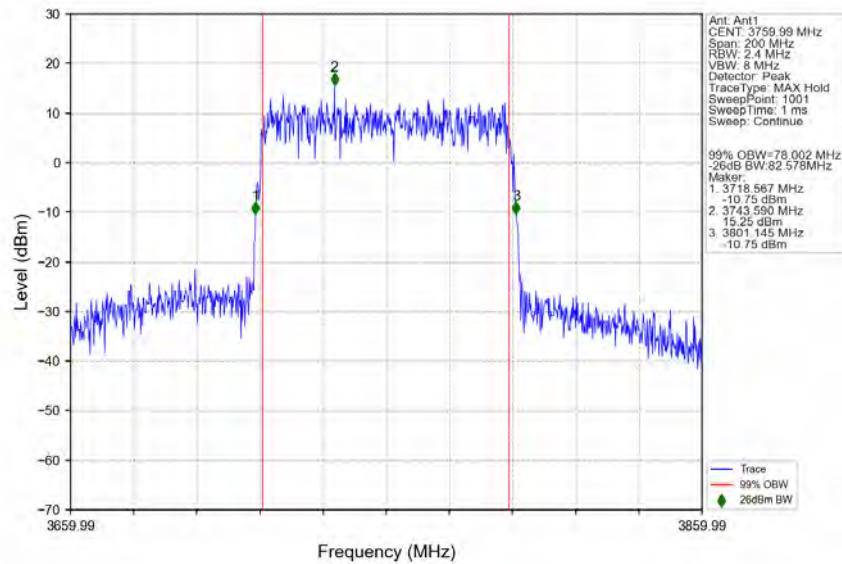
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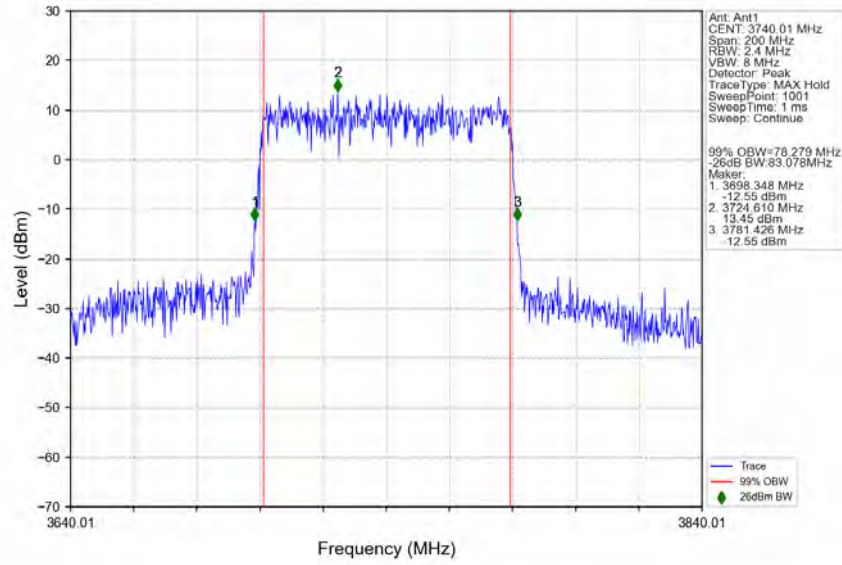
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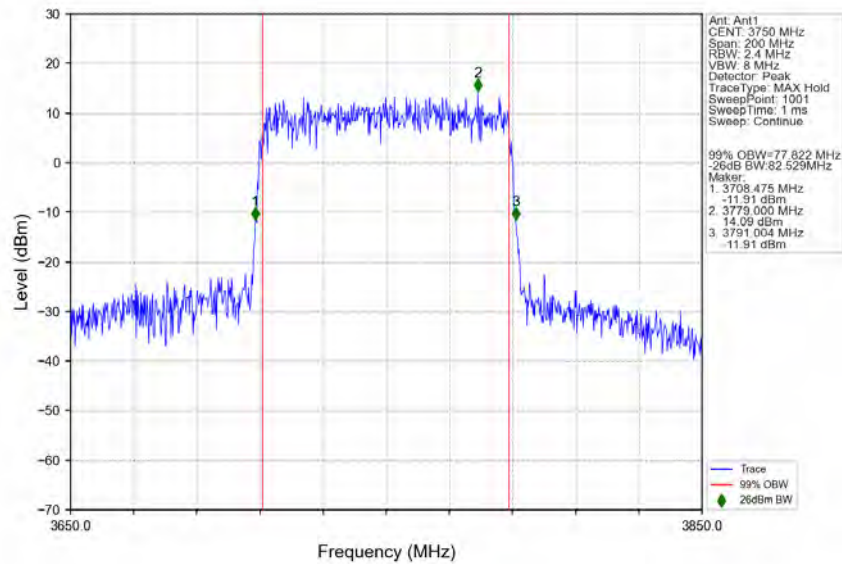
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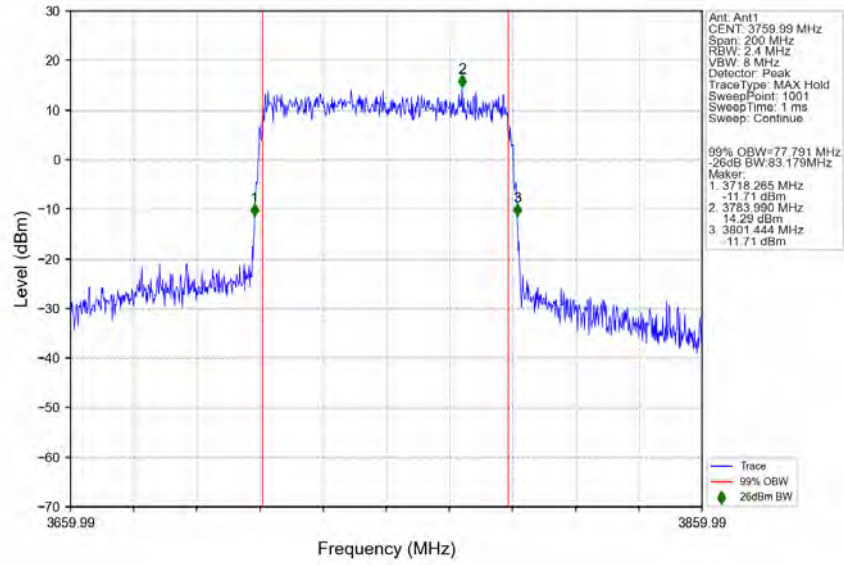
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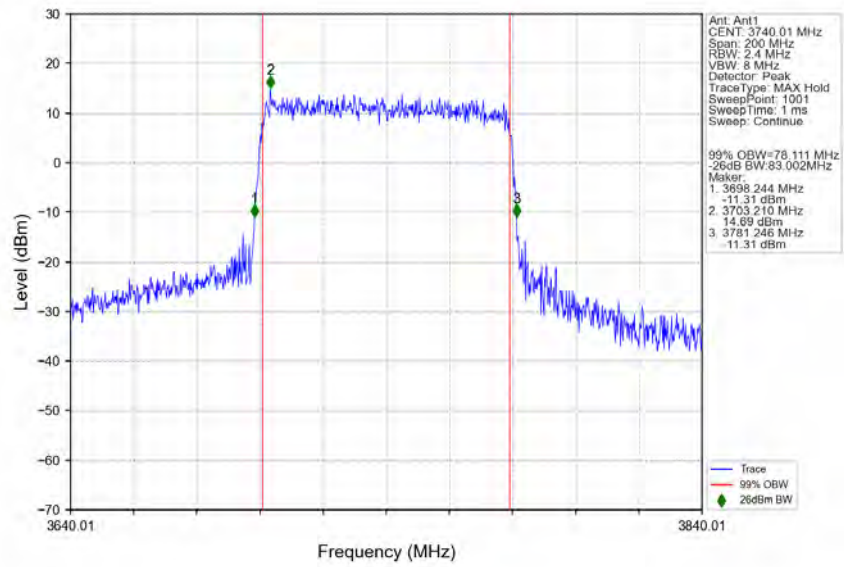
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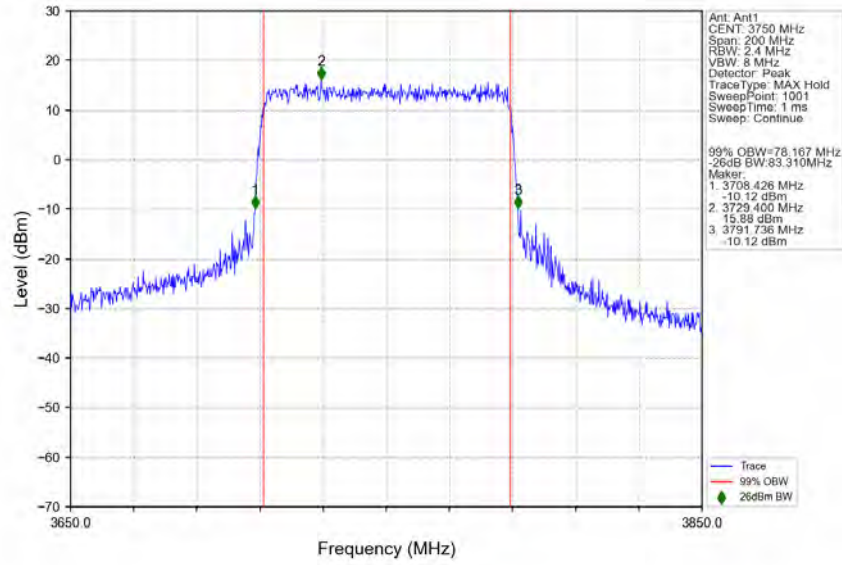
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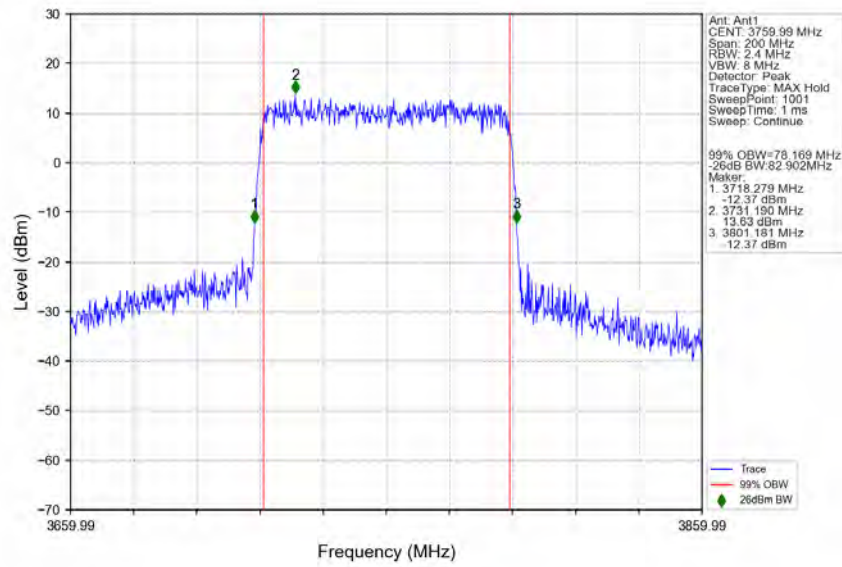
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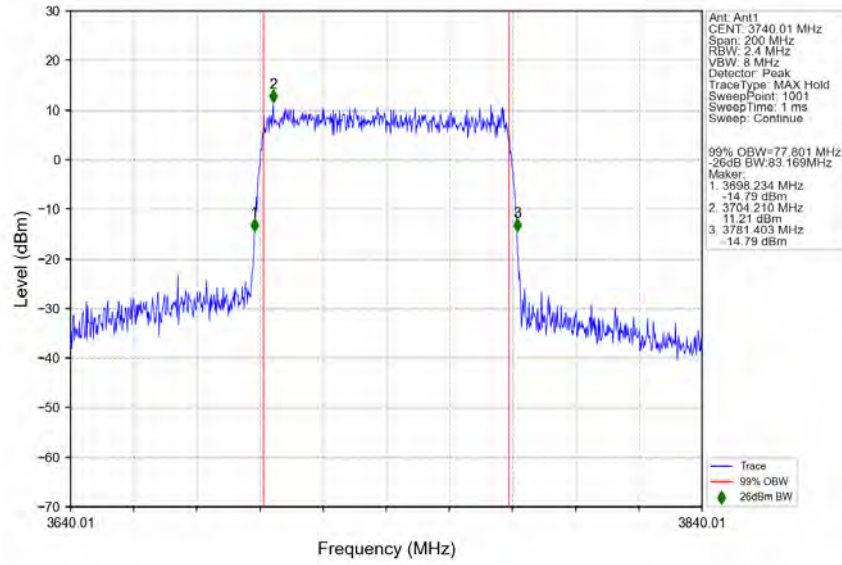
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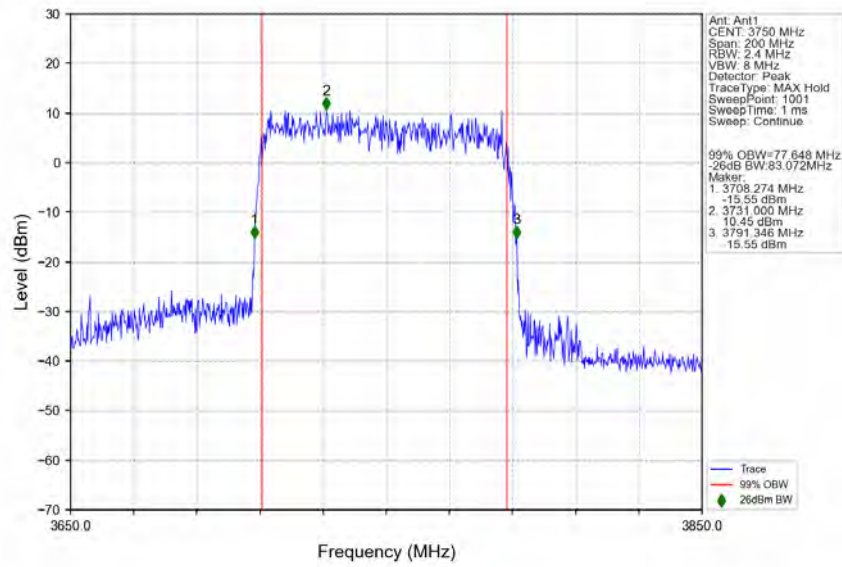
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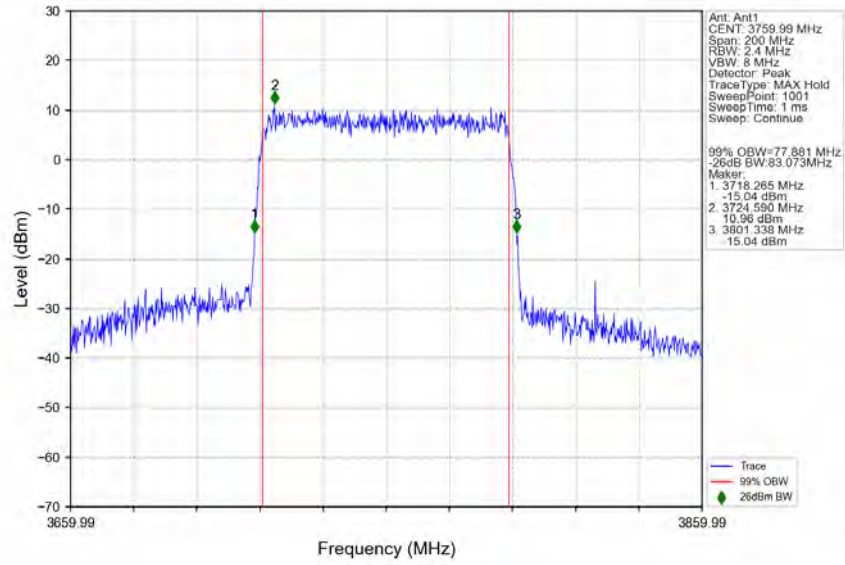
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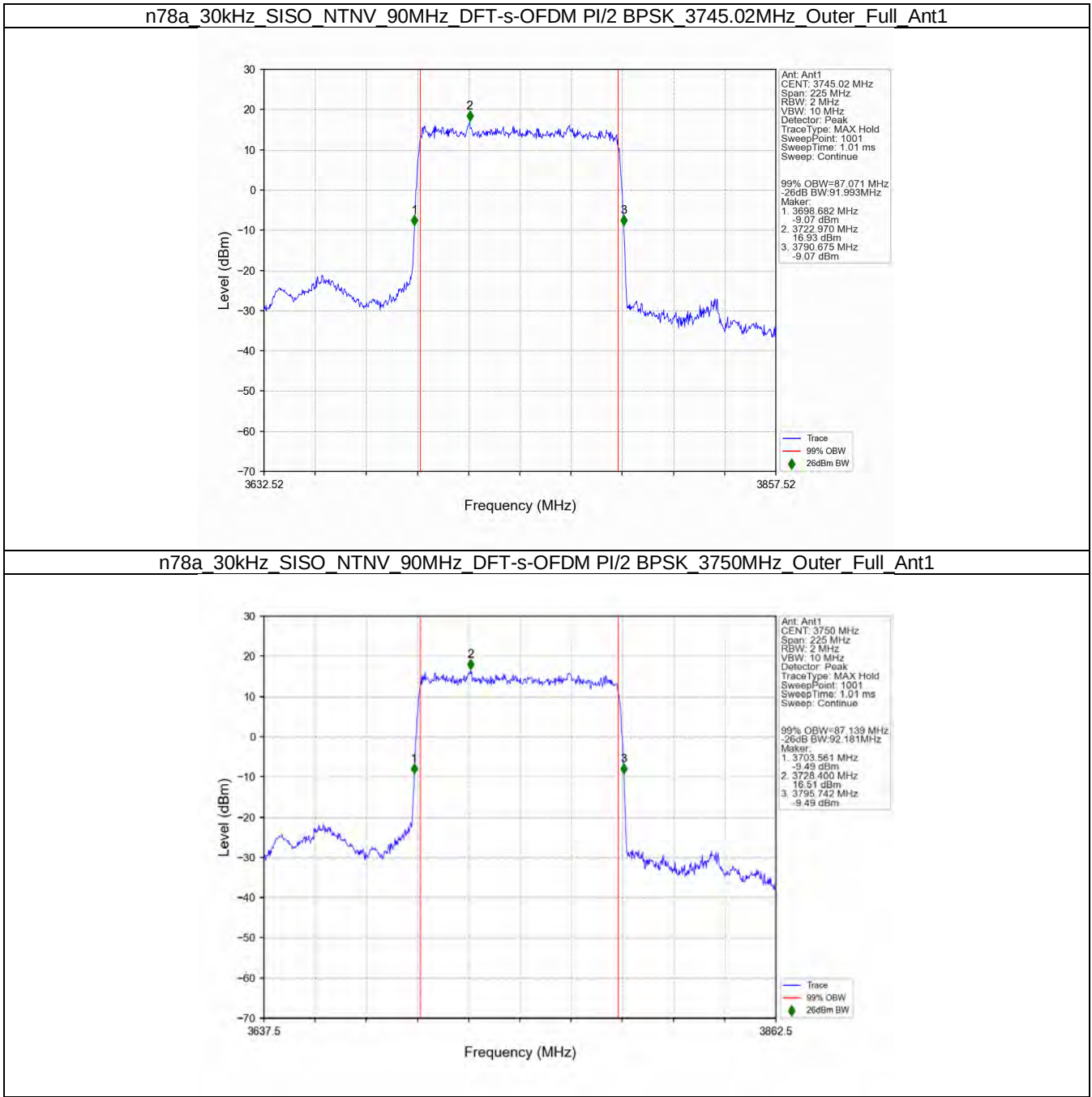
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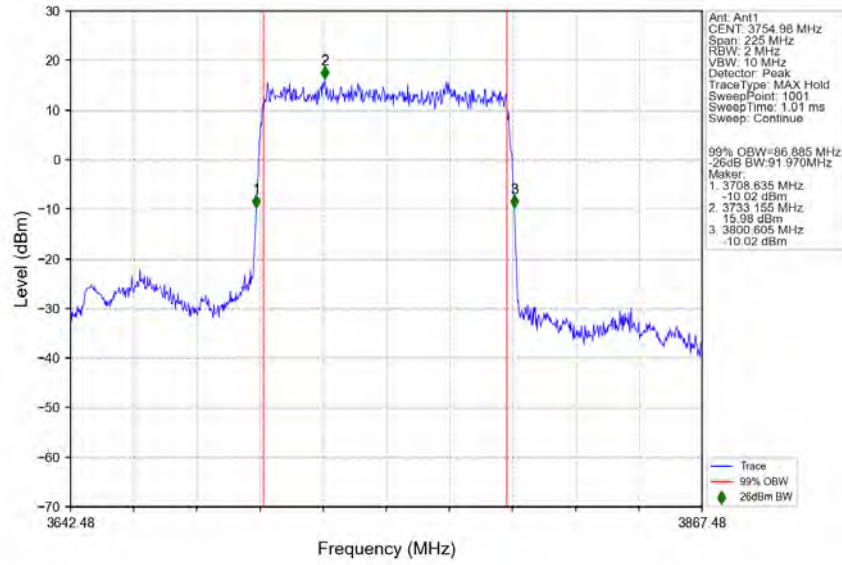
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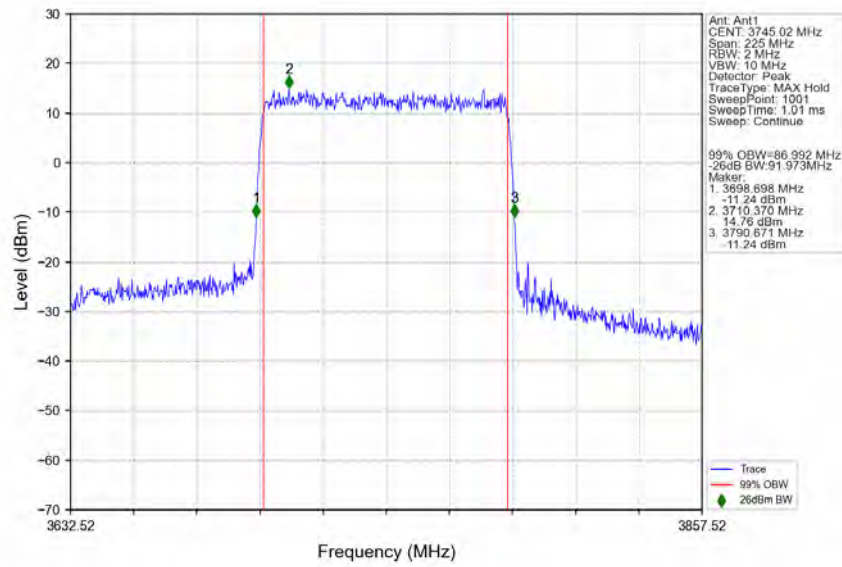
3.2.8 30k_SISO_90MHz_NTNV



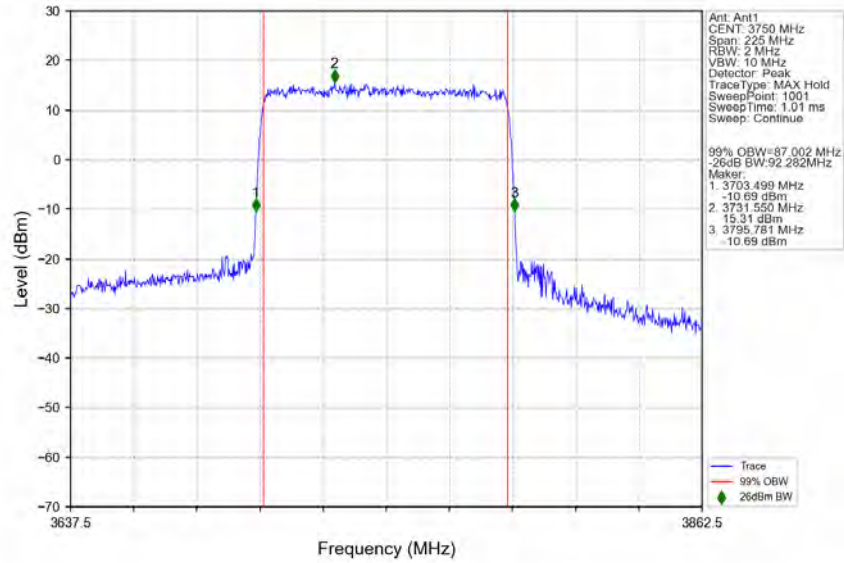
n78a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_PI/2_BPSK_3754.98MHz_Outer_Full_Ant1



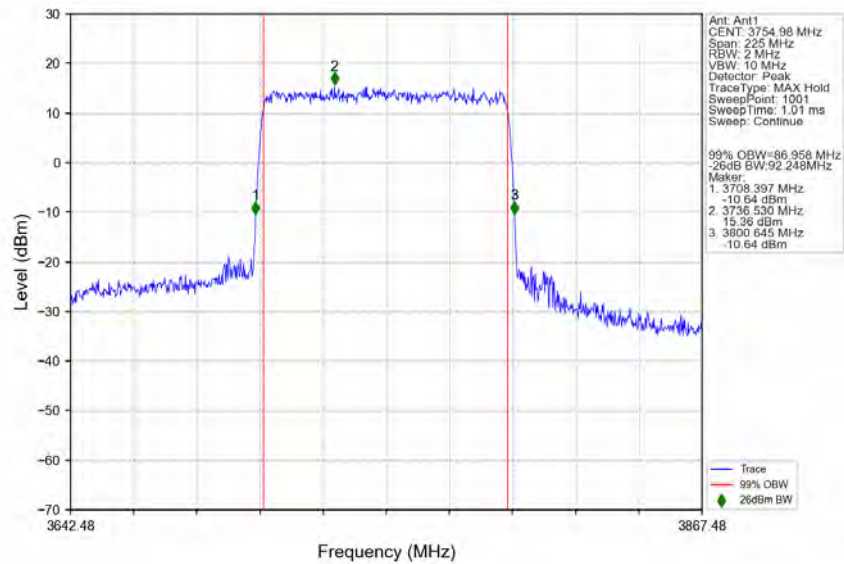
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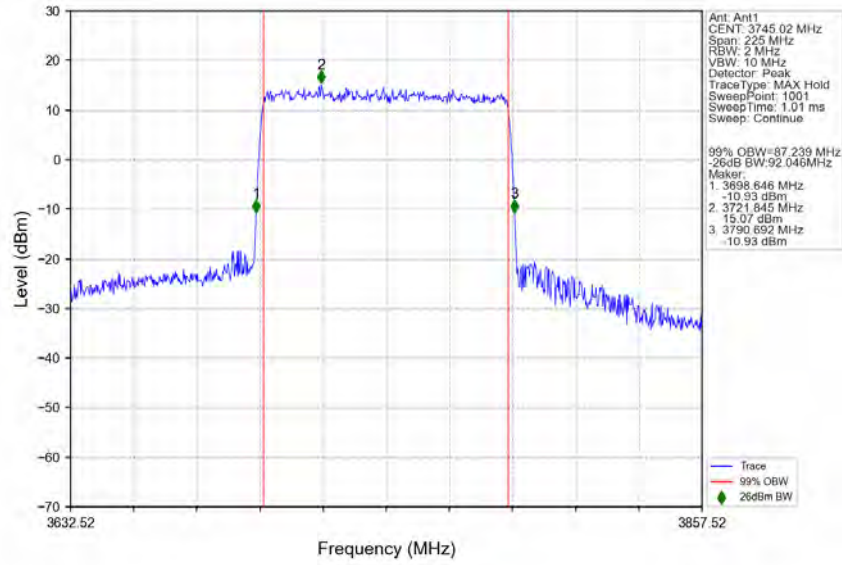
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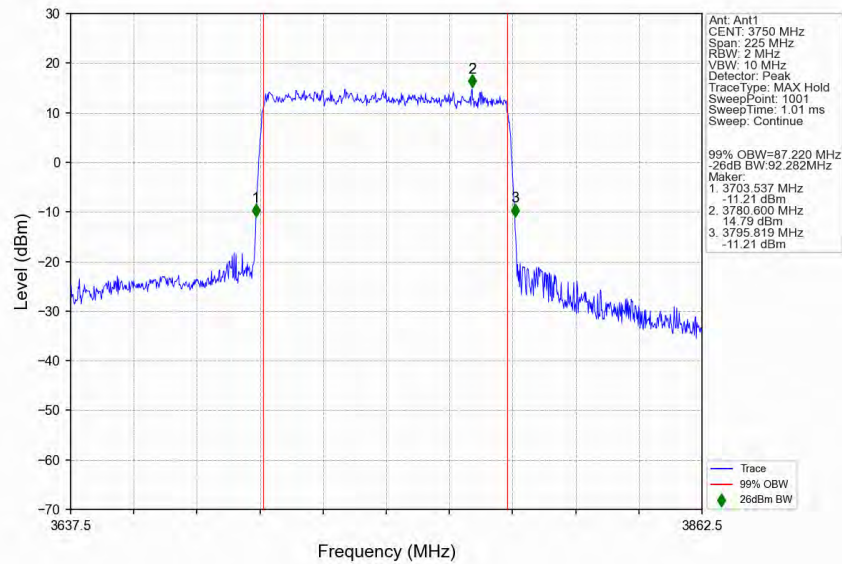
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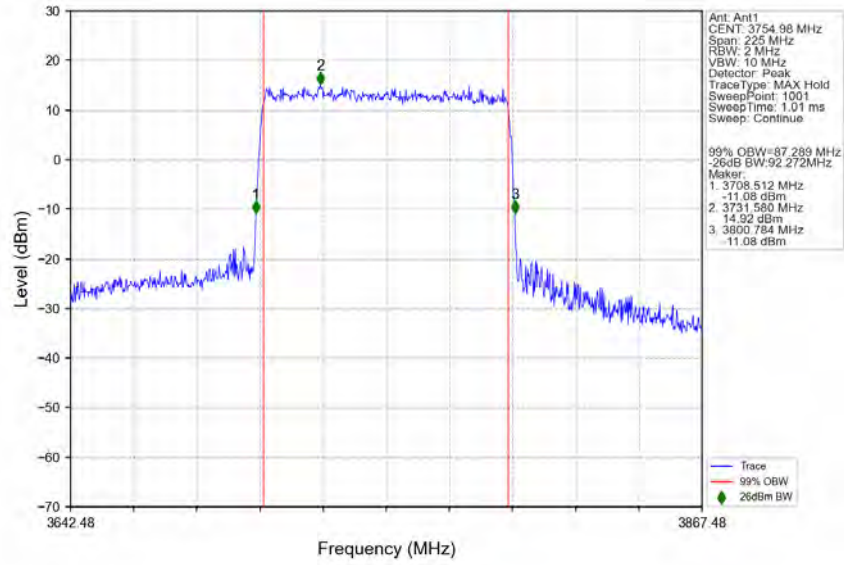
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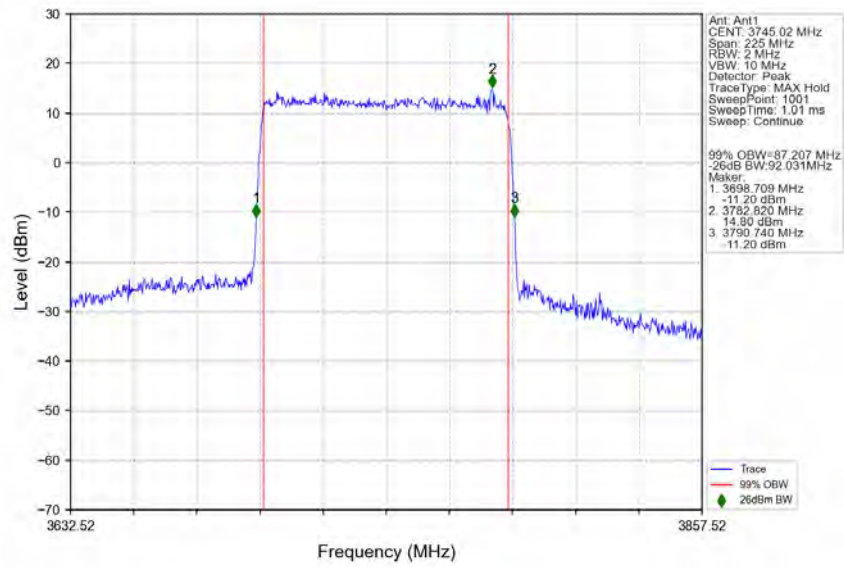
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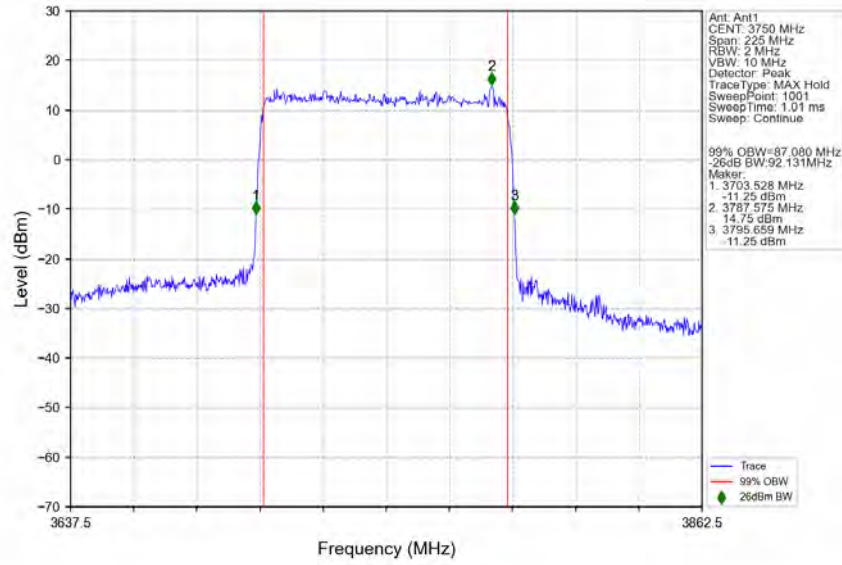
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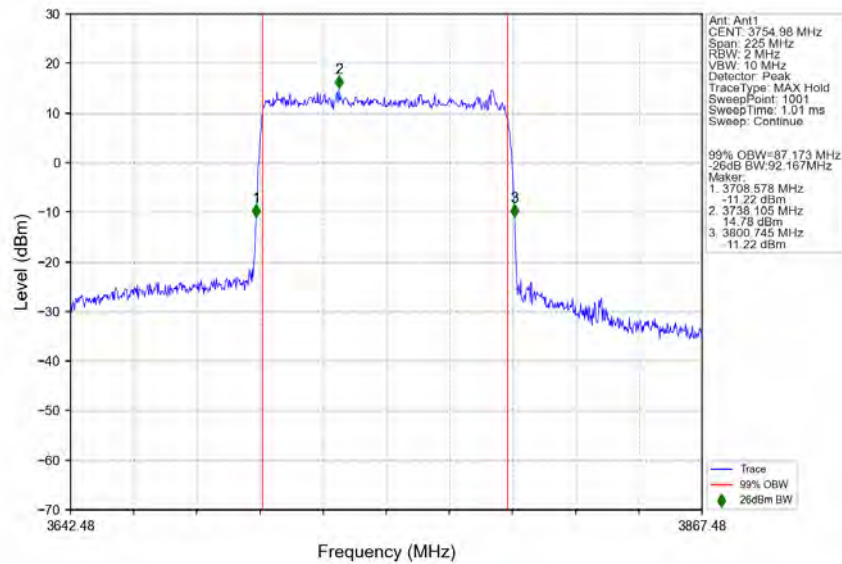
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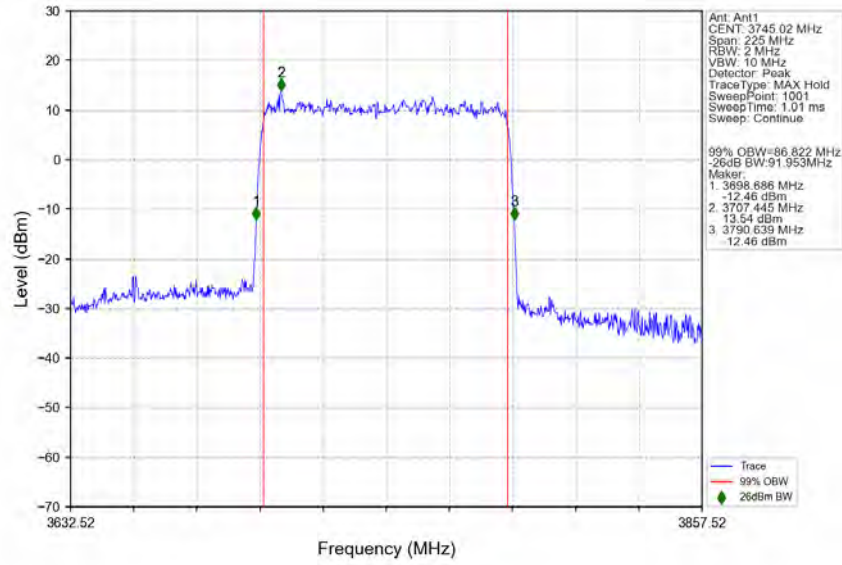
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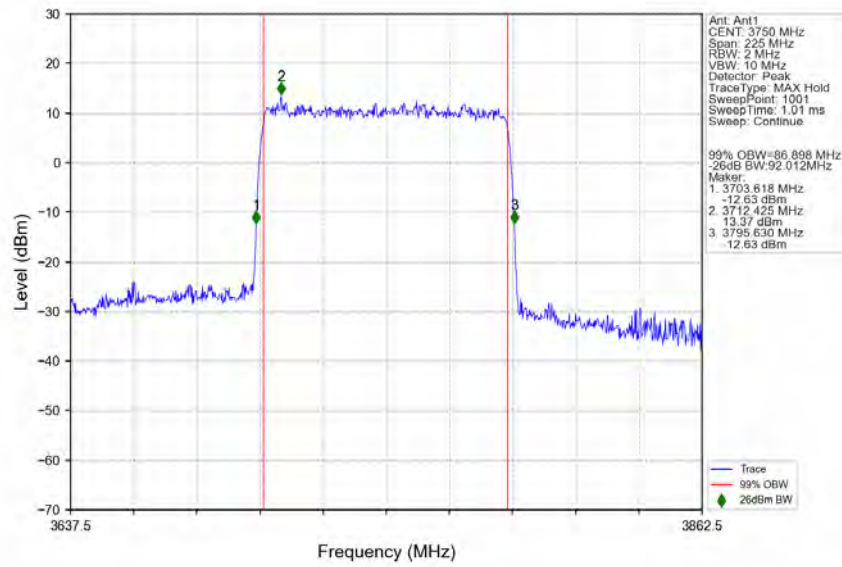
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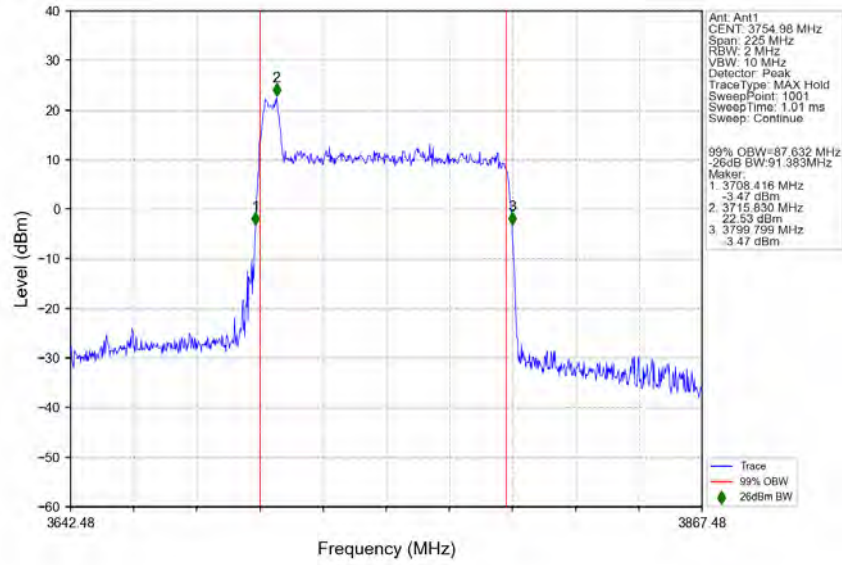
n78a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3745.02MHz_Outer_Full_Ant1



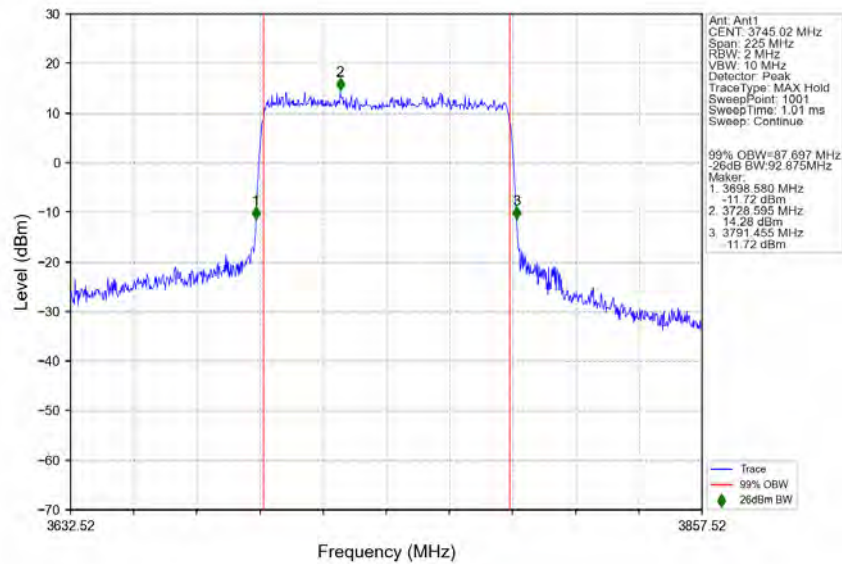
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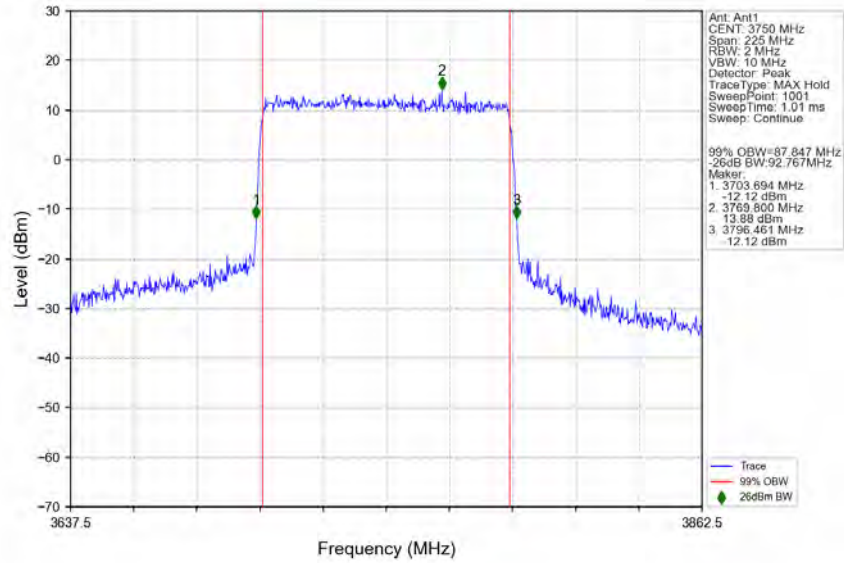
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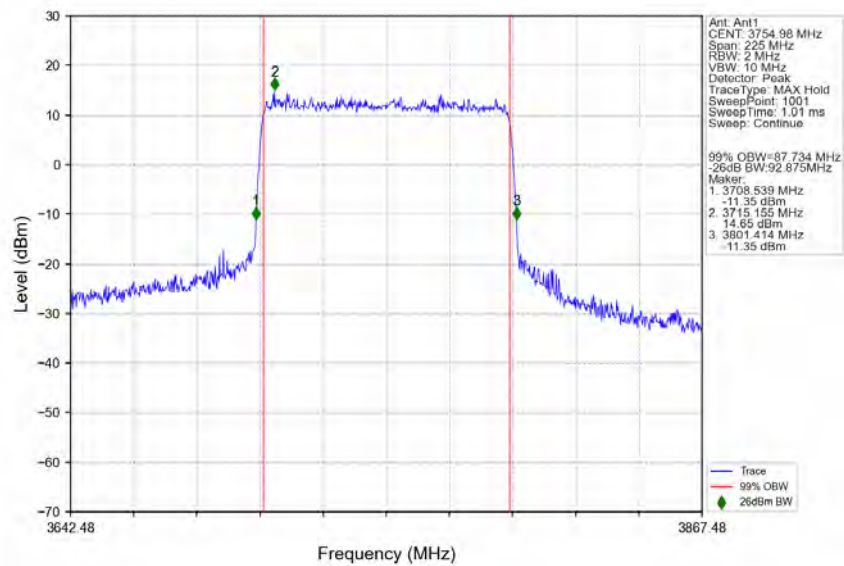
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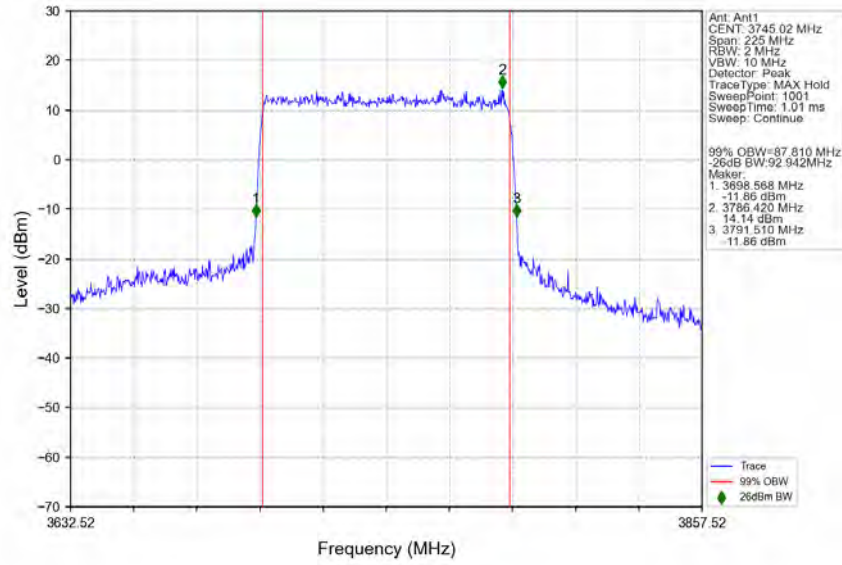
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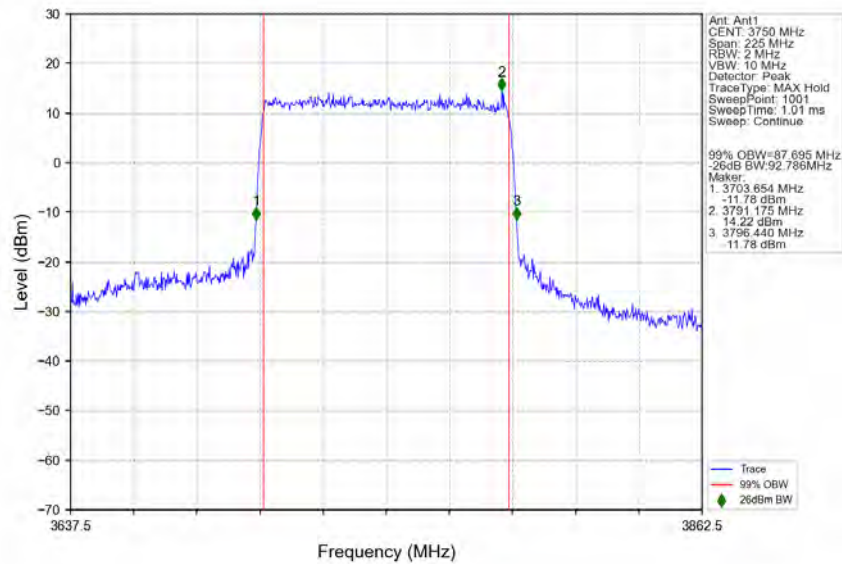
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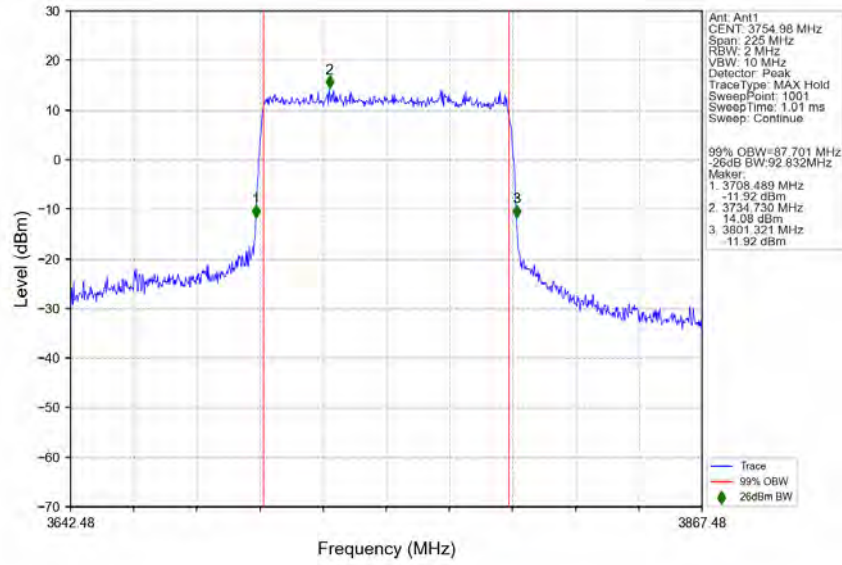
n78a 30kHz SISO NTN 90MHz CP-OFDM 16 QAM 3745.02MHz Outer Full Ant1



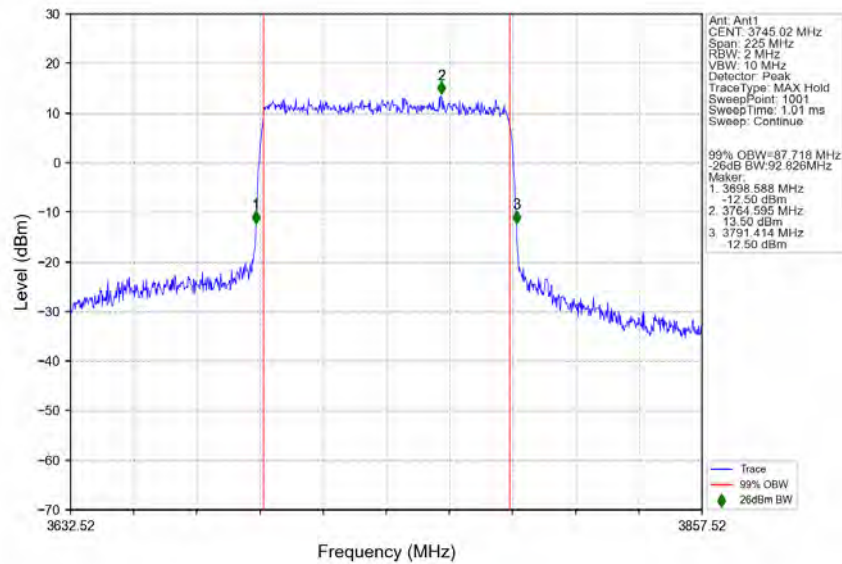
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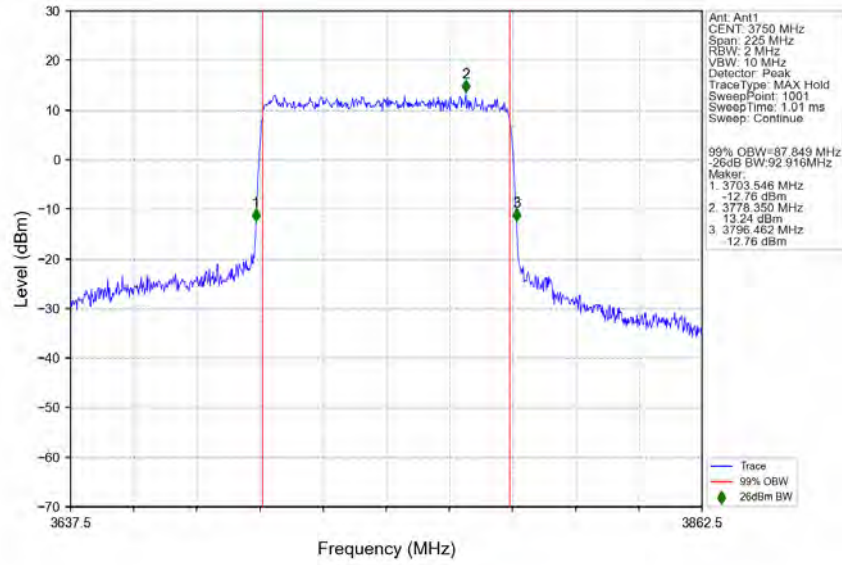
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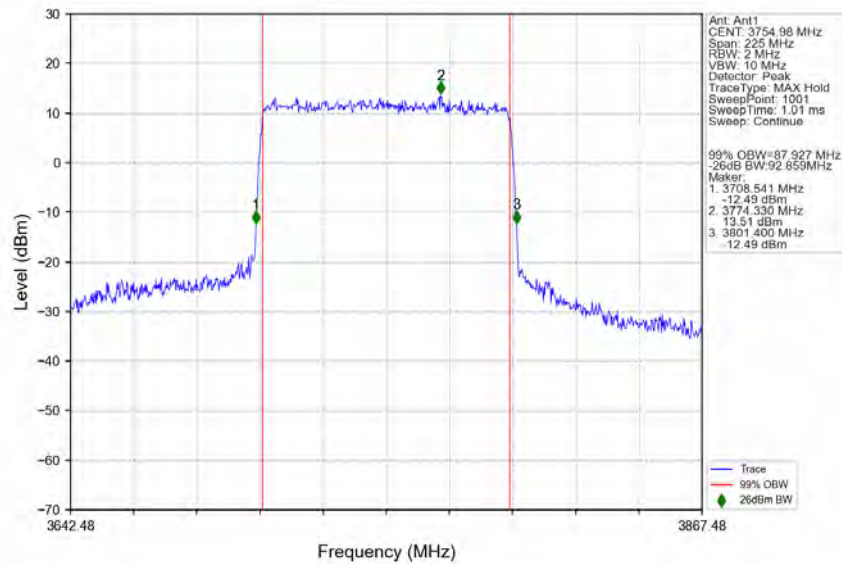
n78a 30kHz SISO NTN 90MHz CP-OFDM 64 QAM 3745.02MHz Outer Full Ant1



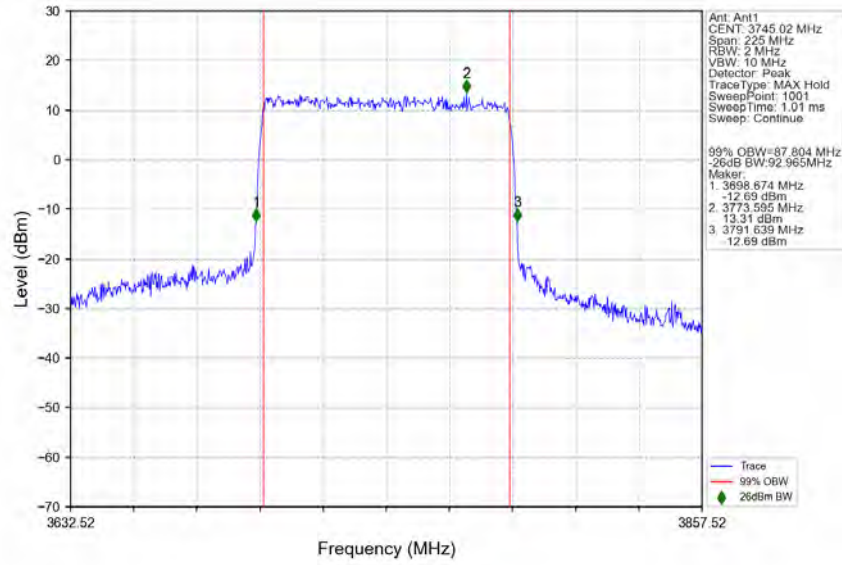
n78a 30kHz SISO NTN 90MHz CP-OFDM 64 QAM 3750MHz Outer Full Ant1



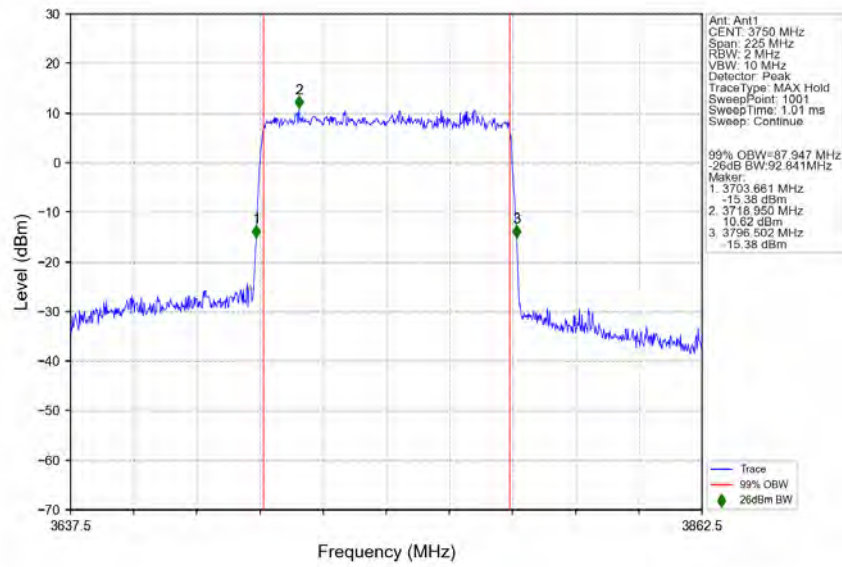
n78a 30kHz SISO NTN 90MHz CP-OFDM 64 QAM 3754.98MHz Outer Full Ant1



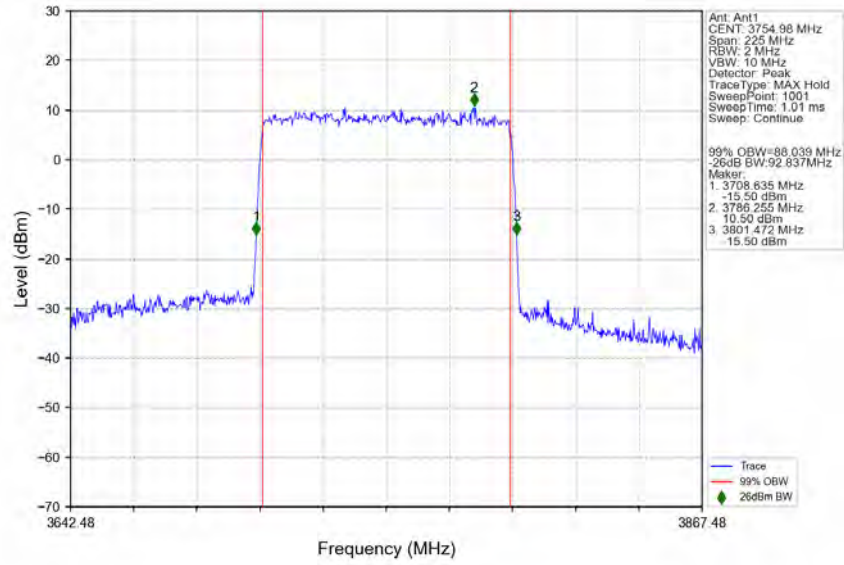
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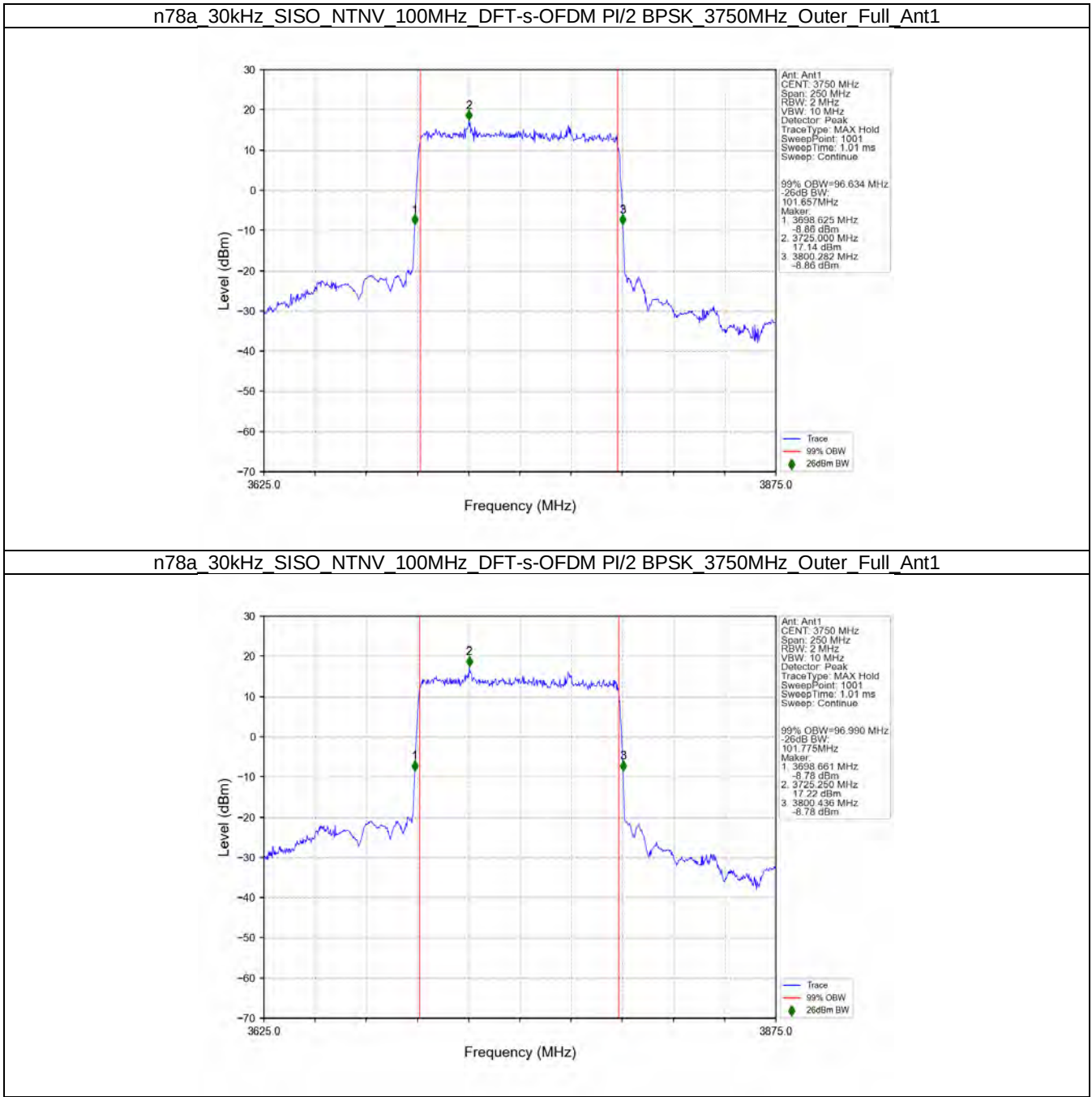
n78a 30kHz SISO NTN 90MHz CP-OFDM 256 QAM 3750MHz Outer Full Ant1



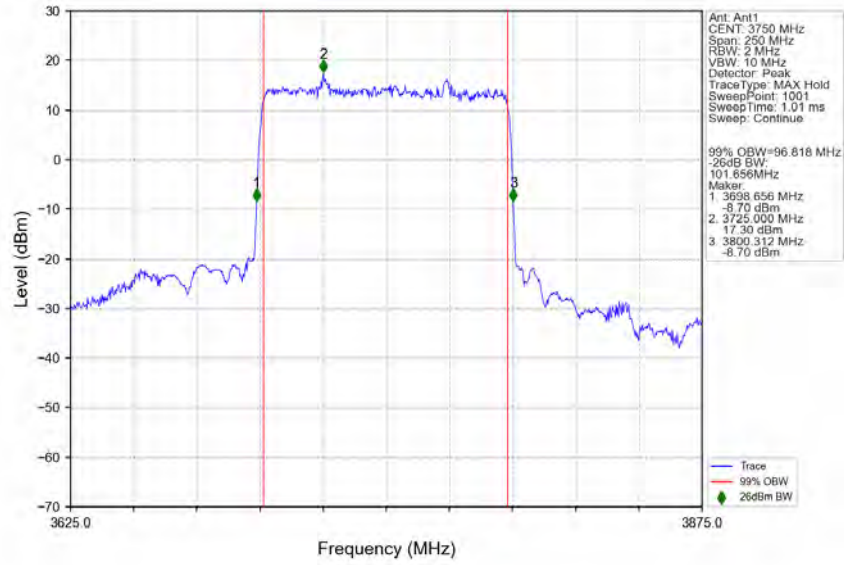
n78a 30kHz SISO NTN 90MHz CP-OFDM 256 QAM 3754.98MHz Outer Full Ant1



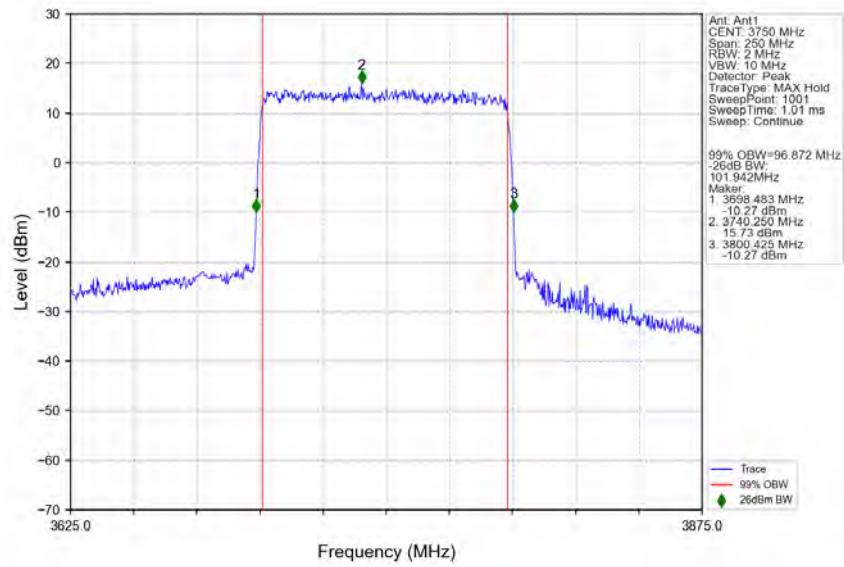
3.2.9 30k_SISO_100MHz_NTNV



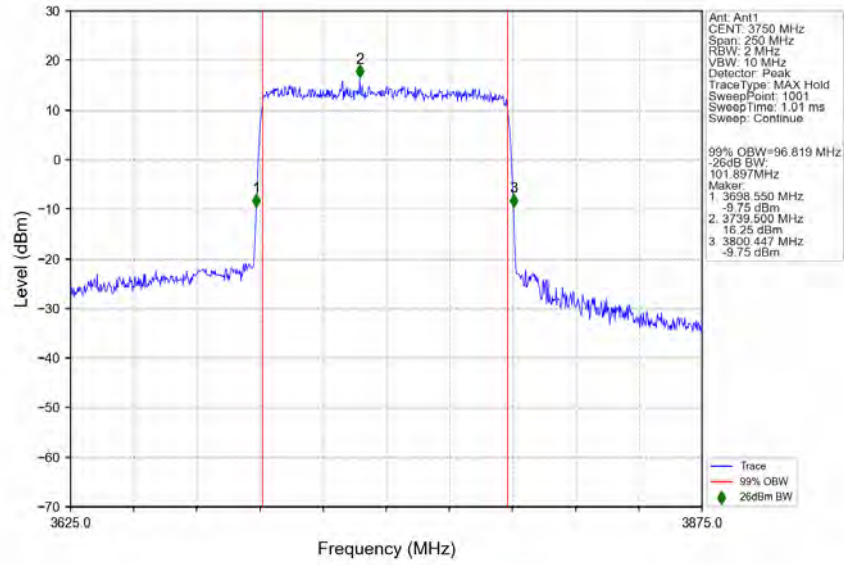
n78a 30kHz SISO NTN 100MHz DFT-s-OFDM PI/2 BPSK 3750MHz Outer Full Ant1



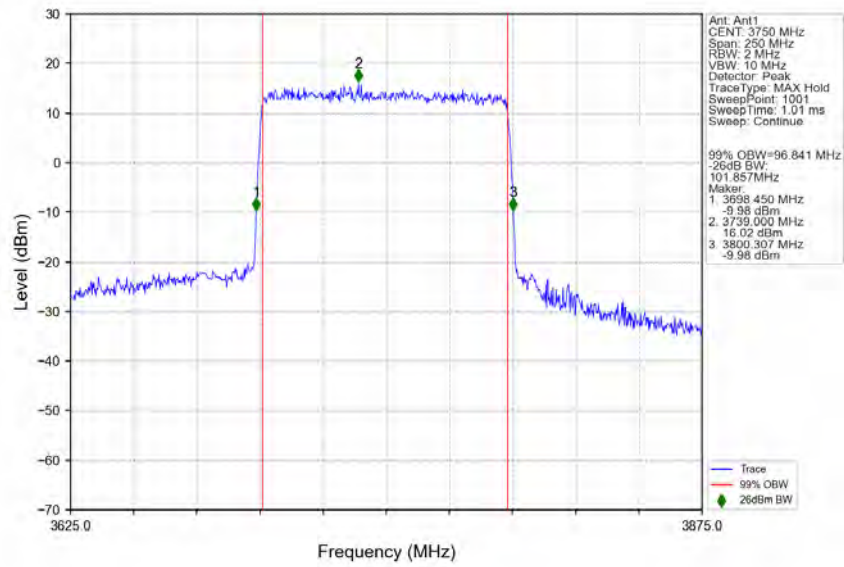
n78a 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3750MHz Outer Full Ant1



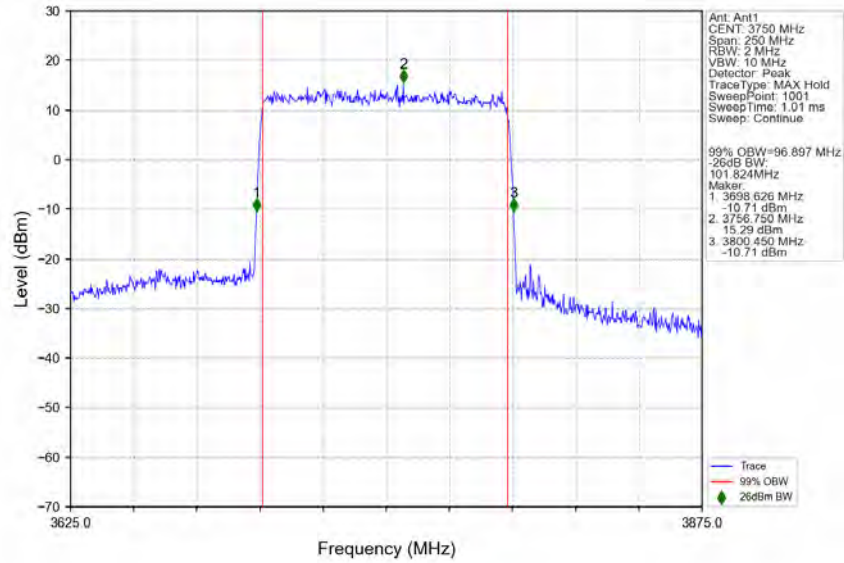
n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3750MHz_Outer_Full_Ant1



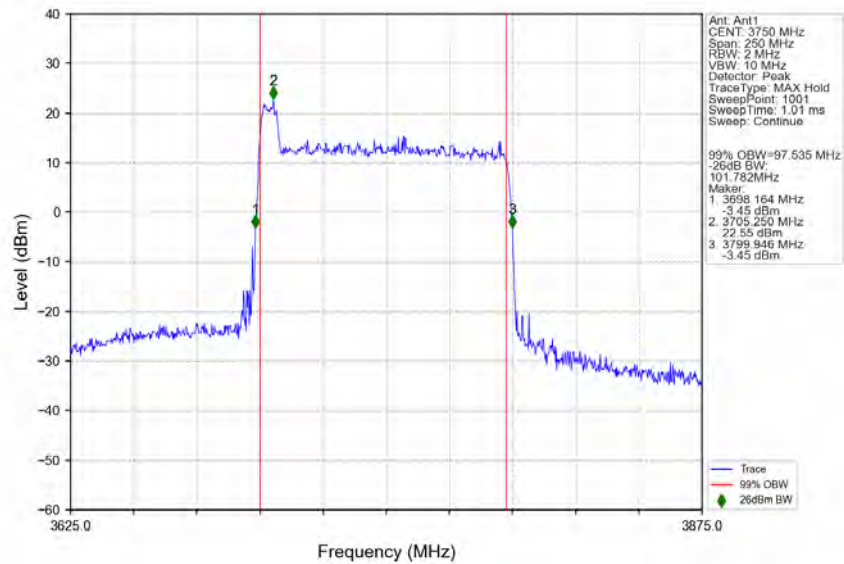
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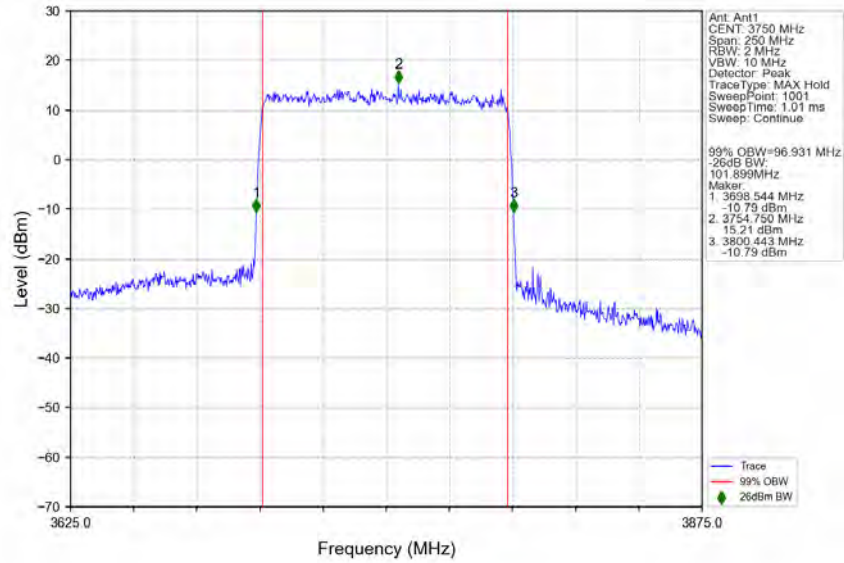
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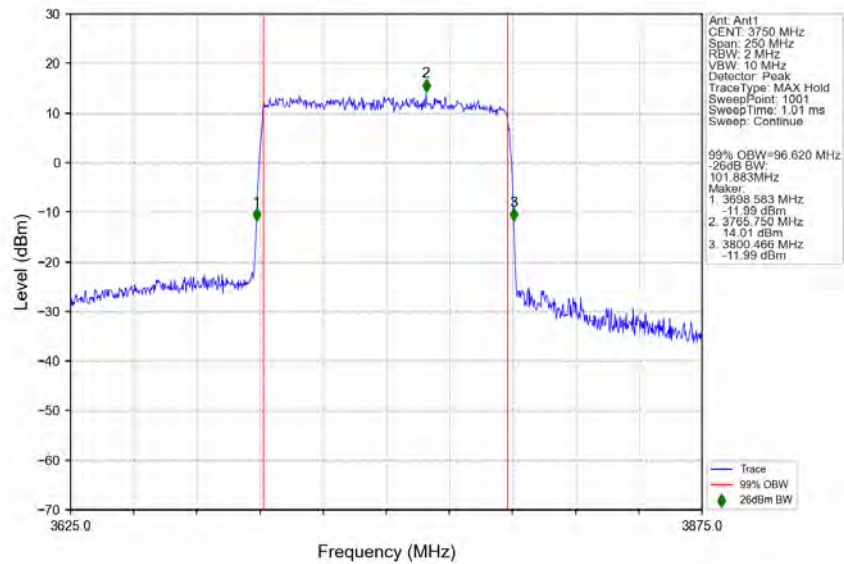
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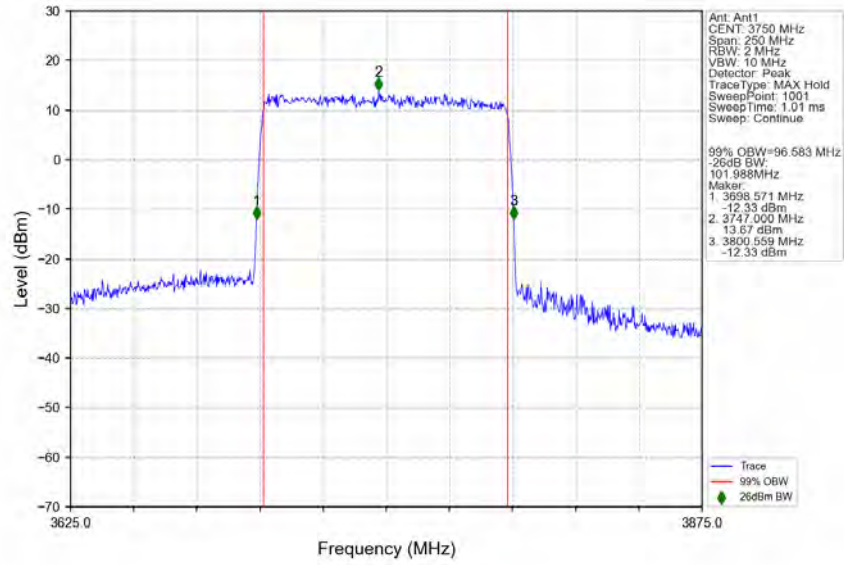
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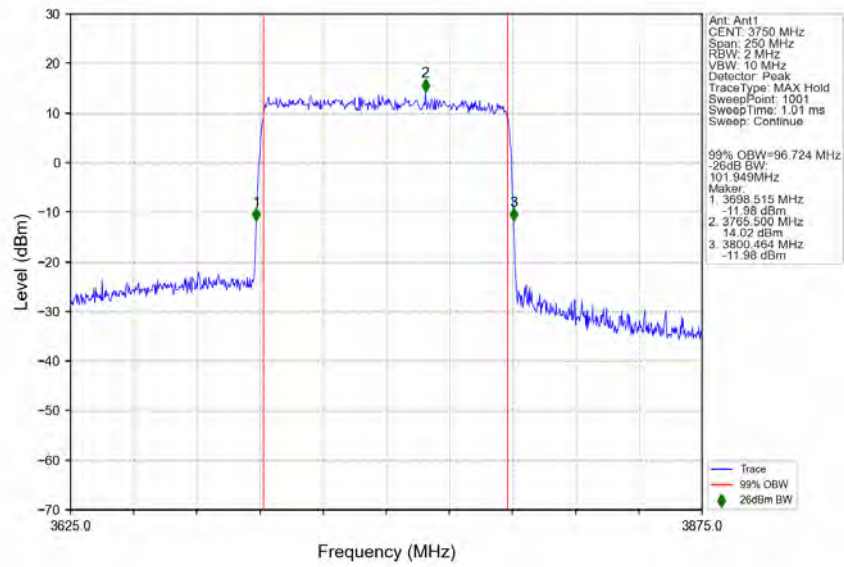
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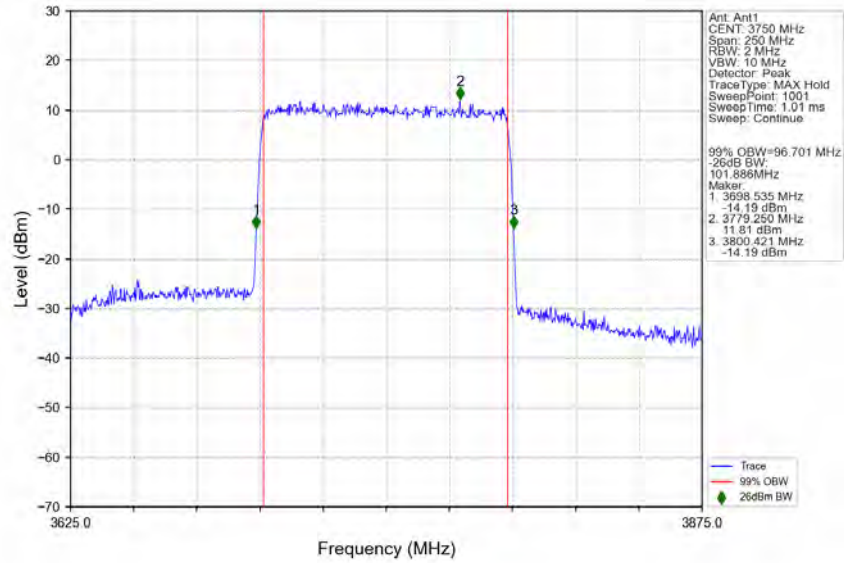
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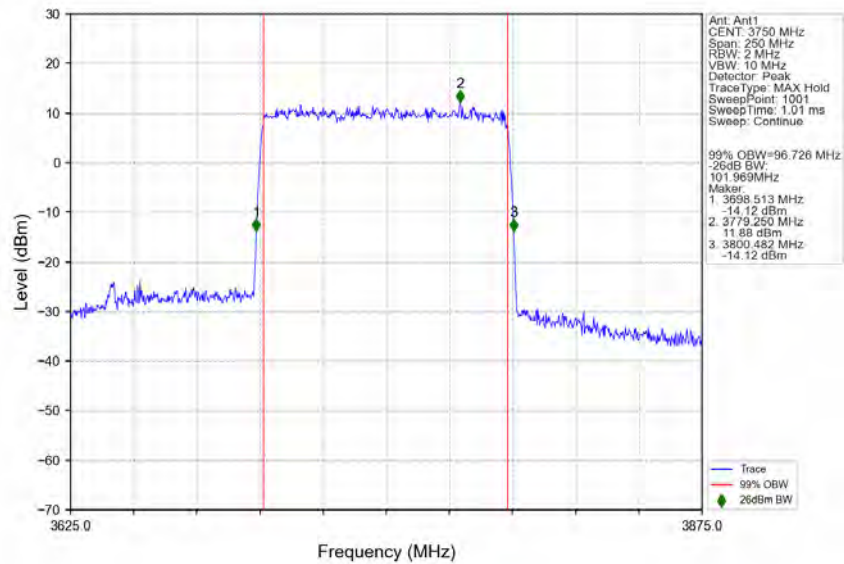
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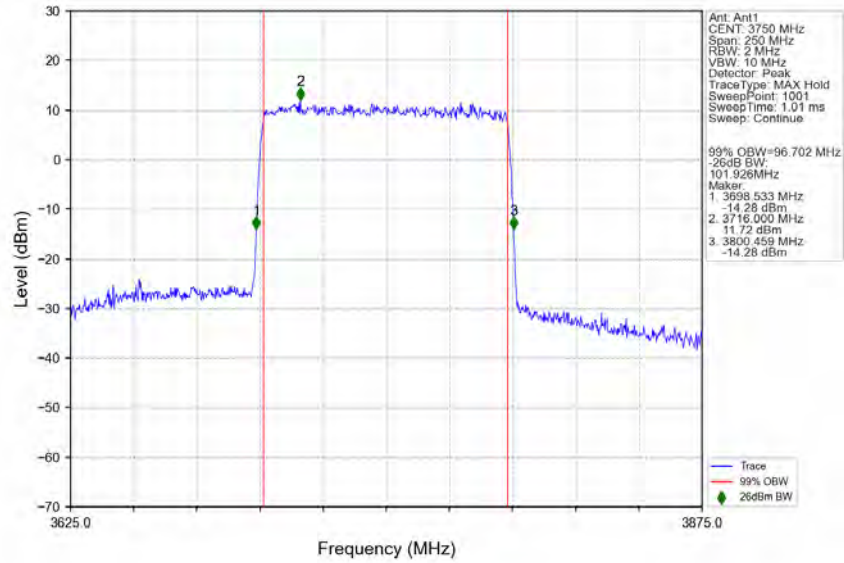
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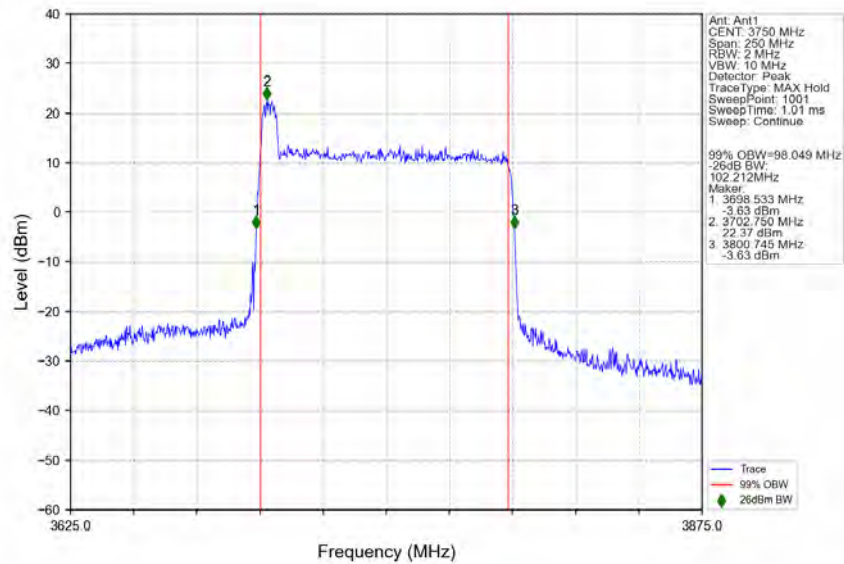
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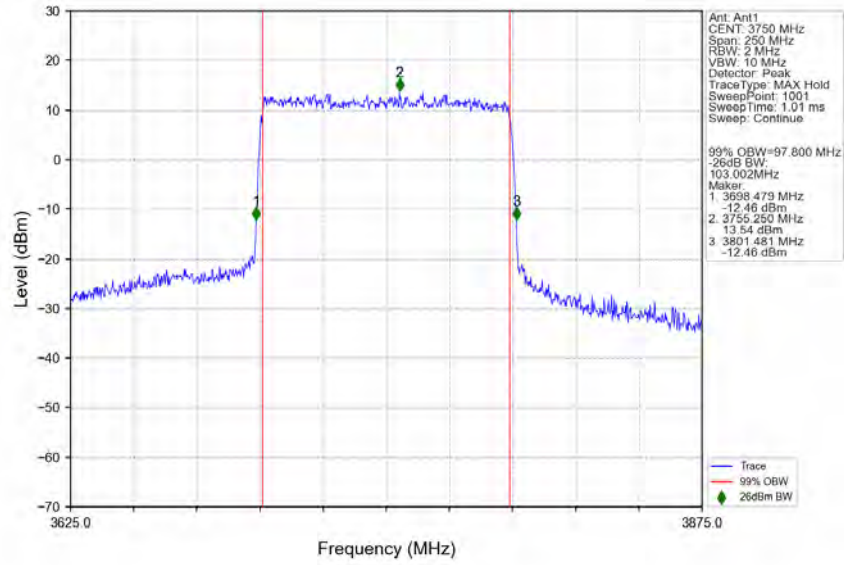
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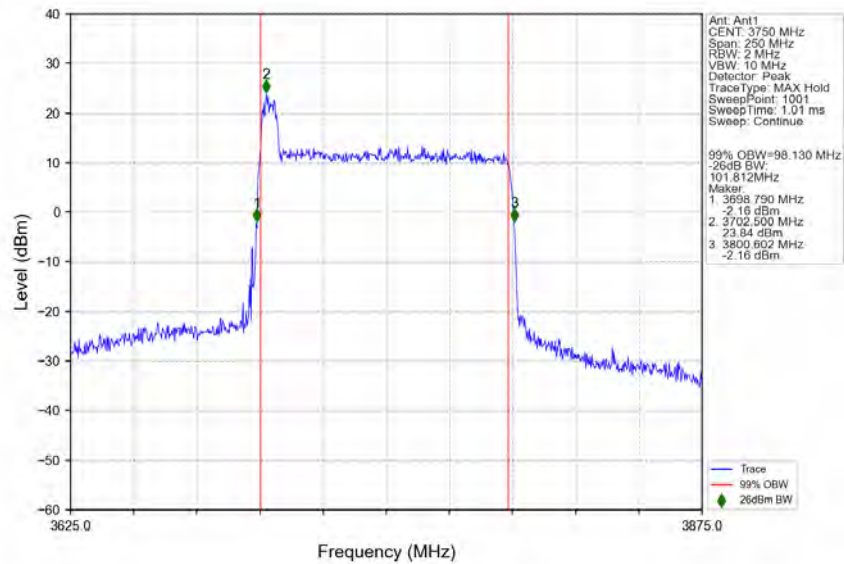
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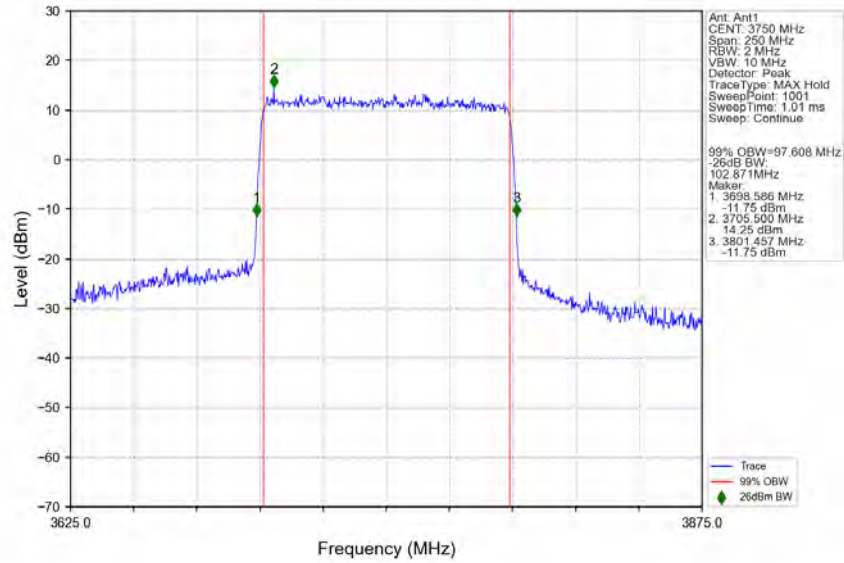
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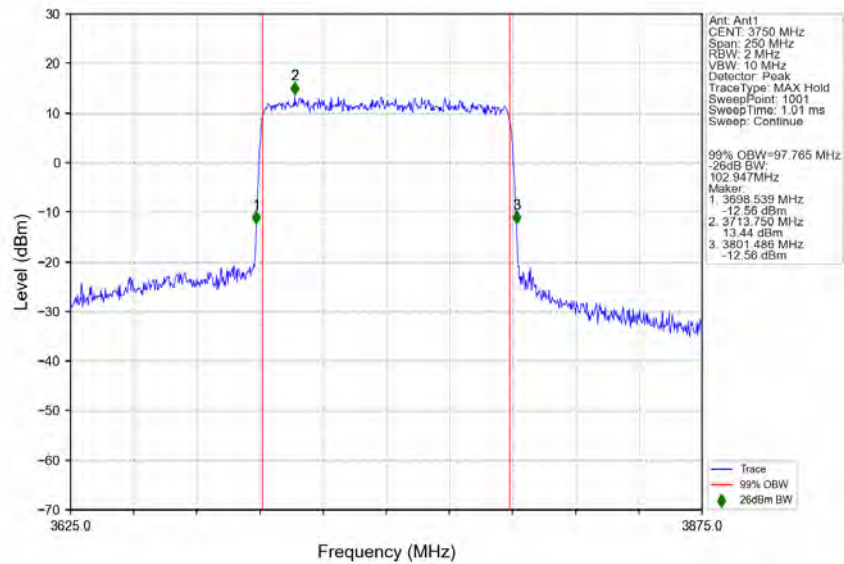
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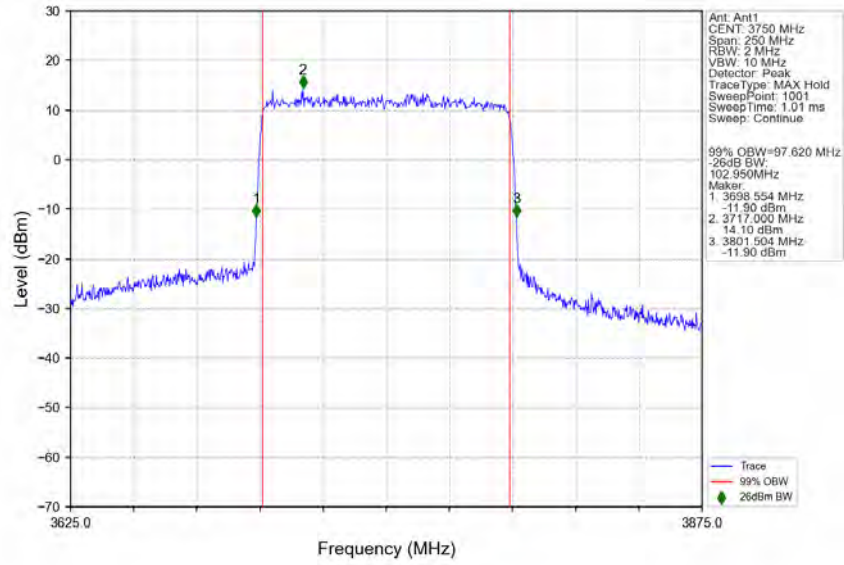
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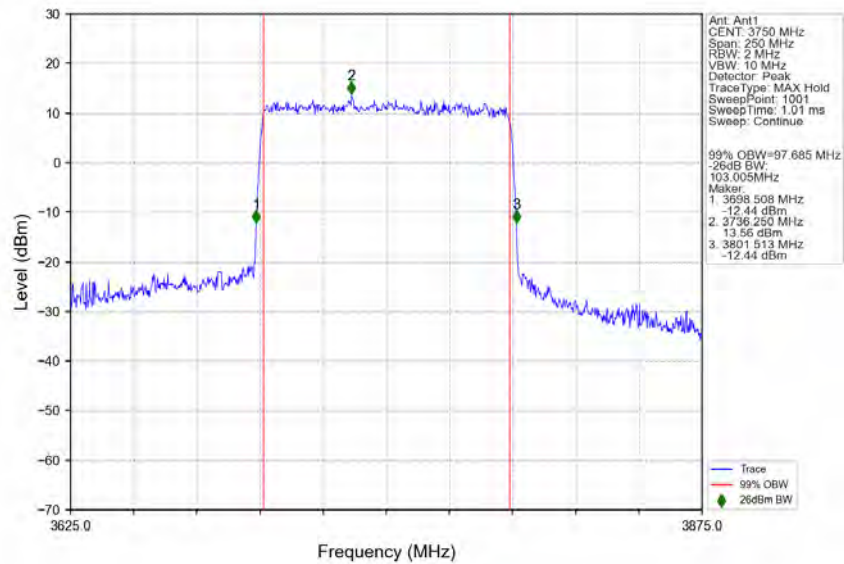
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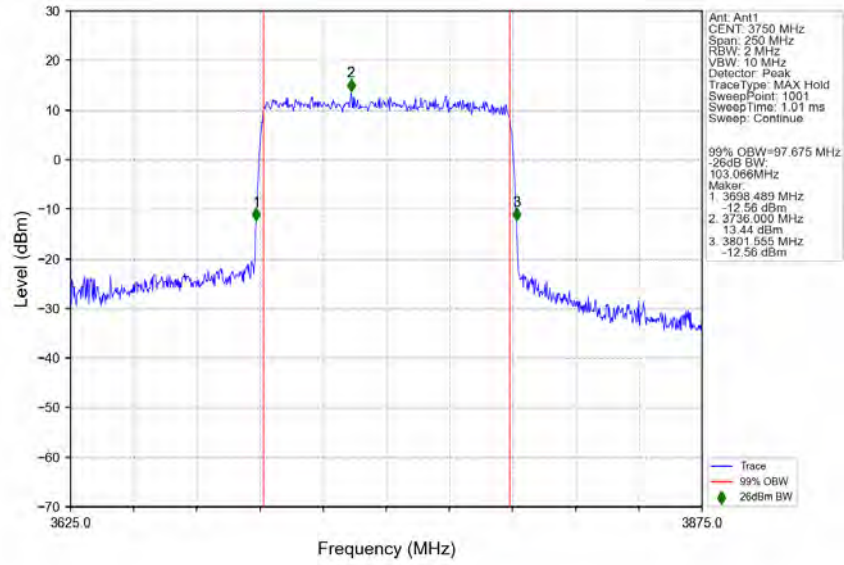
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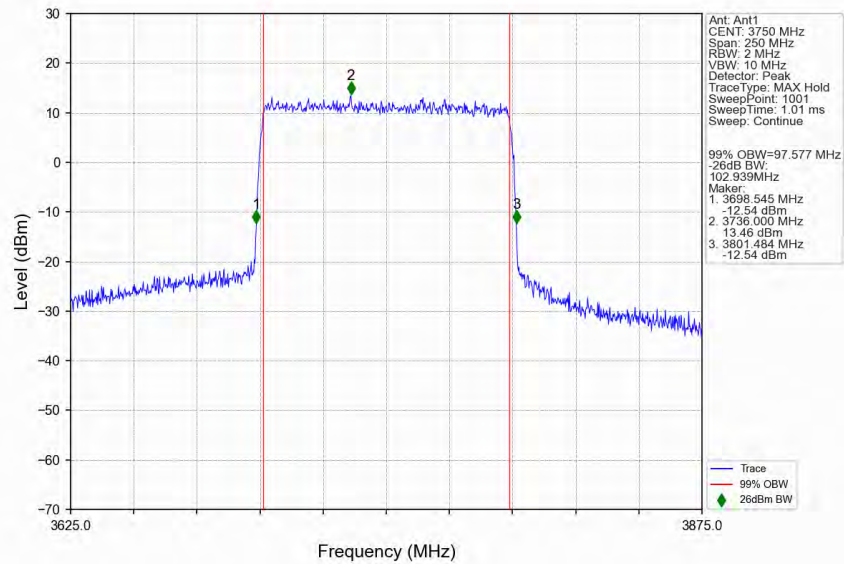
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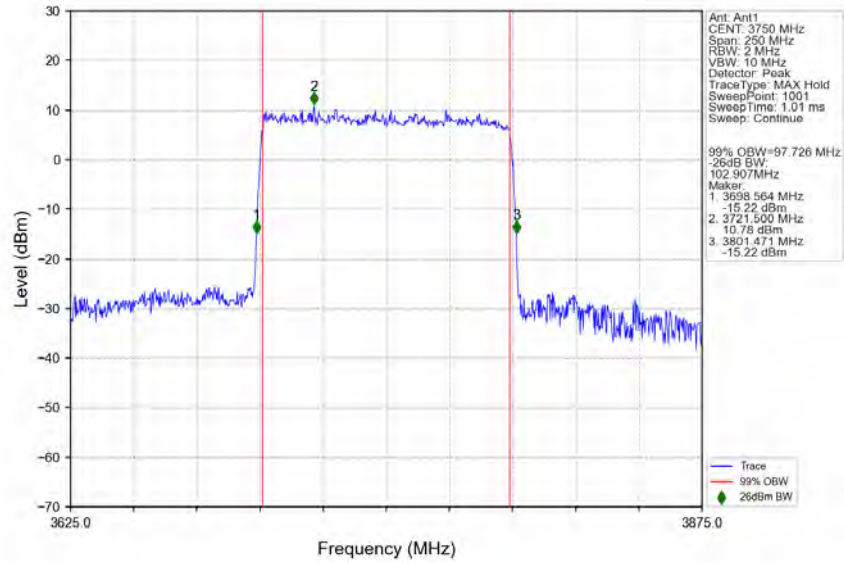
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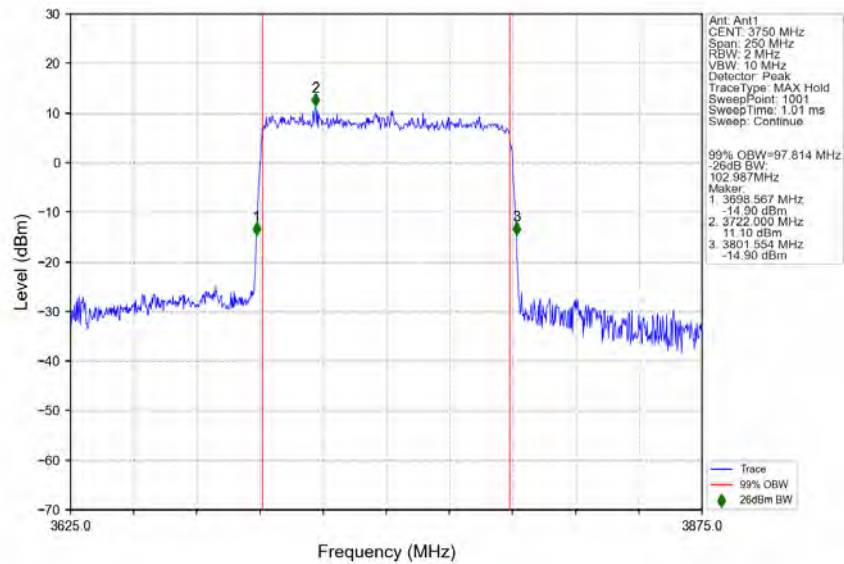
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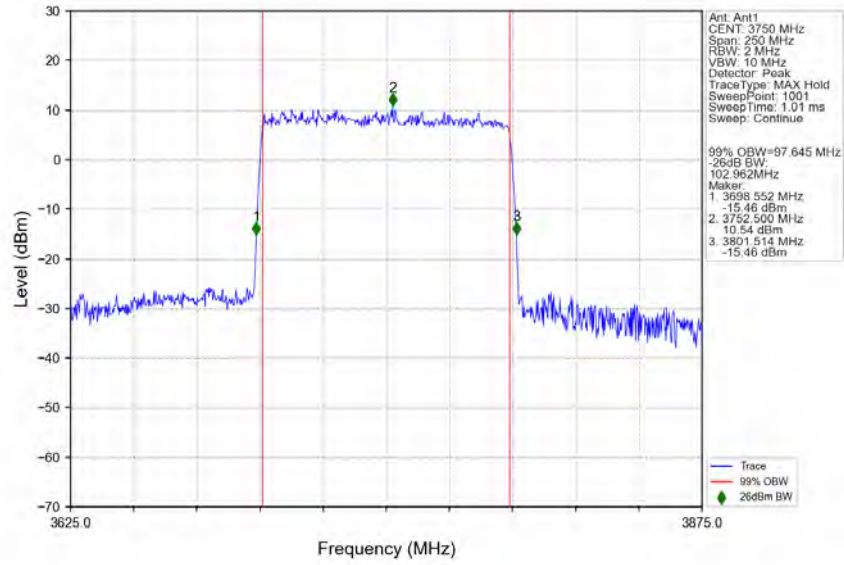
n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_3750MHz_Outer_Full_Ant1



n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_3750MHz_Outer_Full_Ant1



n78a 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 3750MHz Outer Full Ant1



4. Peak-Average Ratio

4.1 Test Result

4.1.1 30k_SISO_20MHz_NTNV

5G NR n78a 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	3710.01	Outer_Full	9.90	/	/	<=13	Pass
	3750	Outer_Full	9.92	/	/	<=13	Pass
	3789.99	Outer_Full	9.92	/	/	<=13	Pass
DFT-s-OFDM QPSK	3710.01	Outer_Full	10.06	/	/	<=13	Pass
	3750	Outer_Full	10.08	/	/	<=13	Pass
	3789.99	Outer_Full	10.06	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3710.01	Outer_Full	10.26	/	/	<=13	Pass
	3750	Outer_Full	10.26	/	/	<=13	Pass
	3789.99	Outer_Full	10.26	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3710.01	Outer_Full	10.28	/	/	<=13	Pass
	3750	Outer_Full	10.28	/	/	<=13	Pass
	3789.99	Outer_Full	10.30	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3710.01	Outer_Full	10.30	/	/	<=13	Pass
	3750	Outer_Full	10.30	/	/	<=13	Pass
	3789.99	Outer_Full	10.30	/	/	<=13	Pass
CP-OFDM QPSK	3710.01	Outer_Full	10.62	/	/	<=13	Pass
	3750	Outer_Full	10.60	/	/	<=13	Pass
	3789.99	Outer_Full	10.60	/	/	<=13	Pass
CP-OFDM 16 QAM	3710.01	Outer_Full	10.60	/	/	<=13	Pass
	3750	Outer_Full	10.60	/	/	<=13	Pass
	3789.99	Outer_Full	10.62	/	/	<=13	Pass
CP-OFDM 64 QAM	3710.01	Outer_Full	10.64	/	/	<=13	Pass
	3750	Outer_Full	10.62	/	/	<=13	Pass
	3789.99	Outer_Full	10.62	/	/	<=13	Pass
CP-OFDM 256 QAM	3710.01	Outer_Full	10.90	/	/	<=13	Pass
	3750	Outer_Full	10.88	/	/	<=13	Pass
	3789.99	Outer_Full	10.90	/	/	<=13	Pass

4.1.2 30k_SISO_30MHz_NTNV

5G NR n78a 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	3715.02	Outer_Full	10.14	/	/	<=13	Pass
	3750	Outer_Full	10.16	/	/	<=13	Pass
	3784.98	Outer_Full	10.30	/	/	<=13	Pass
DFT-s-OFDM QPSK	3715.02	Outer_Full	10.52	/	/	<=13	Pass
	3750	Outer_Full	10.54	/	/	<=13	Pass
	3784.98	Outer_Full	10.56	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3715.02	Outer_Full	10.44	/	/	<=13	Pass
	3750	Outer_Full	10.44	/	/	<=13	Pass
	3784.98	Outer_Full	10.44	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3715.02	Outer_Full	10.46	/	/	<=13	Pass
	3750	Outer_Full	10.44	/	/	<=13	Pass
	3784.98	Outer_Full	10.44	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	3715.02	Outer_Full	10.42	/	/	<=13	Pass
	3750	Outer_Full	10.42	/	/	<=13	Pass
	3784.98	Outer_Full	10.42	/	/	<=13	Pass
CP-OFDM QPSK	3715.02	Outer_Full	10.68	/	/	<=13	Pass
	3750	Outer_Full	10.66	/	/	<=13	Pass
	3784.98	Outer_Full	10.66	/	/	<=13	Pass
CP-OFDM 16 QAM	3715.02	Outer_Full	10.68	/	/	<=13	Pass
	3750	Outer_Full	10.66	/	/	<=13	Pass
	3784.98	Outer_Full	10.66	/	/	<=13	Pass
CP-OFDM 64 QAM	3715.02	Outer_Full	10.70	/	/	<=13	Pass
	3750	Outer_Full	10.68	/	/	<=13	Pass
	3784.98	Outer_Full	10.68	/	/	<=13	Pass
CP-OFDM 256 QAM	3715.02	Outer_Full	12.12	/	/	<=13	Pass
	3750	Outer_Full	10.90	/	/	<=13	Pass
	3784.98	Outer_Full	10.90	/	/	<=13	Pass

4.1.3 30k_SISO_40MHz_NTNV

5G NR n78a 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	3720	Outer_Full	10.16	/	/	<=13	Pass
	3750	Outer_Full	10.18	/	/	<=13	Pass
	3780	Outer_Full	10.20	/	/	<=13	Pass
DFT-s-OFDM QPSK	3720	Outer_Full	10.62	/	/	<=13	Pass
	3750	Outer_Full	10.60	/	/	<=13	Pass
	3780	Outer_Full	10.60	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3720	Outer_Full	10.78	/	/	<=13	Pass
	3750	Outer_Full	10.76	/	/	<=13	Pass
	3780	Outer_Full	10.78	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	10.82	/	/	<=13	Pass
	3750	Outer_Full	10.80	/	/	<=13	Pass
	3780	Outer_Full	10.80	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	10.82	/	/	<=13	Pass
	3750	Outer_Full	10.80	/	/	<=13	Pass
	3780	Outer_Full	10.80	/	/	<=13	Pass
CP-OFDM QPSK	3720	Outer_Full	11.20	/	/	<=13	Pass
	3750	Outer_Full	11.16	/	/	<=13	Pass
	3780	Outer_Full	11.16	/	/	<=13	Pass
CP-OFDM 16 QAM	3720	Outer_Full	11.18	/	/	<=13	Pass
	3750	Outer_Full	11.16	/	/	<=13	Pass
	3780	Outer_Full	11.16	/	/	<=13	Pass
CP-OFDM 64 QAM	3720	Outer_Full	11.22	/	/	<=13	Pass
	3750	Outer_Full	11.20	/	/	<=13	Pass
	3780	Outer_Full	11.20	/	/	<=13	Pass
CP-OFDM 256 QAM	3720	Outer_Full	11.48	/	/	<=13	Pass
	3750	Outer_Full	11.44	/	/	<=13	Pass
	3780	Outer_Full	11.42	/	/	<=13	Pass

4.1.4 30k_SISO_50MHz_NTNV

5G NR n78a 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	3725.01	Outer_Full	9.28	/	/	<=13	Pass
	3750	Outer_Full	11.60	/	/	<=13	Pass

	3774.99	Outer_Full	11.62	/	/	<=13	Pass
DFT-s-OFDM QPSK	3725.01	Outer_Full	11.80	/	/	<=13	Pass
	3750	Outer_Full	11.78	/	/	<=13	Pass
	3774.99	Outer_Full	11.80	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3725.01	Outer_Full	11.86	/	/	<=13	Pass
	3750	Outer_Full	11.82	/	/	<=13	Pass
	3774.99	Outer_Full	11.84	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3725.01	Outer_Full	11.82	/	/	<=13	Pass
	3750	Outer_Full	11.80	/	/	<=13	Pass
	3774.99	Outer_Full	11.82	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	11.68	/	/	<=13	Pass
	3750	Outer_Full	11.66	/	/	<=13	Pass
	3774.99	Outer_Full	11.68	/	/	<=13	Pass
CP-OFDM QPSK	3725.01	Outer_Full	12.16	/	/	<=13	Pass
	3750	Outer_Full	12.12	/	/	<=13	Pass
	3774.99	Outer_Full	12.12	/	/	<=13	Pass
CP-OFDM 16 QAM	3725.01	Outer_Full	12.14	/	/	<=13	Pass
	3750	Outer_Full	12.10	/	/	<=13	Pass
	3774.99	Outer_Full	12.12	/	/	<=13	Pass
CP-OFDM 64 QAM	3725.01	Outer_Full	12.14	/	/	<=13	Pass
	3750	Outer_Full	12.10	/	/	<=13	Pass
	3774.99	Outer_Full	12.12	/	/	<=13	Pass
CP-OFDM 256 QAM	3725.01	Outer_Full	12.16	/	/	<=13	Pass
	3750	Outer_Full	12.12	/	/	<=13	Pass
	3774.99	Outer_Full	12.12	/	/	<=13	Pass

4.1.5 30k_SISO_60MHz_NTNV

5G NR n78a 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	3730.02	Outer_Full	11.56	/	/	<=13	Pass
	3750	Outer_Full	11.52	/	/	<=13	Pass
	3769.98	Outer_Full	11.54	/	/	<=13	Pass
DFT-s-OFDM QPSK	3730.02	Outer_Full	12.00	/	/	<=13	Pass
	3750	Outer_Full	11.98	/	/	<=13	Pass
	3769.98	Outer_Full	12.00	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3730.02	Outer_Full	11.98	/	/	<=13	Pass
	3750	Outer_Full	11.96	/	/	<=13	Pass
	3769.98	Outer_Full	11.98	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3730.02	Outer_Full	11.98	/	/	<=13	Pass
	3750	Outer_Full	11.96	/	/	<=13	Pass
	3769.98	Outer_Full	11.96	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3730.02	Outer_Full	11.90	/	/	<=13	Pass
	3750	Outer_Full	11.86	/	/	<=13	Pass
	3769.98	Outer_Full	11.88	/	/	<=13	Pass
CP-OFDM QPSK	3730.02	Outer_Full	12.36	/	/	<=13	Pass
	3750	Outer_Full	12.32	/	/	<=13	Pass
	3769.98	Outer_Full	12.32	/	/	<=13	Pass
CP-OFDM 16 QAM	3730.02	Outer_Full	12.34	/	/	<=13	Pass
	3750	Outer_Full	12.32	/	/	<=13	Pass
	3769.98	Outer_Full	12.32	/	/	<=13	Pass
CP-OFDM 64 QAM	3730.02	Outer_Full	12.36	/	/	<=13	Pass
	3750	Outer_Full	12.32	/	/	<=13	Pass
	3769.98	Outer_Full	12.32	/	/	<=13	Pass
CP-OFDM 256 QAM	3730.02	Outer_Full	12.42	/	/	<=13	Pass
	3750	Outer_Full	12.38	/	/	<=13	Pass

	3769.98	Outer_Full	12.38	/	/	<=13	Pass
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4.1.6 30k_SISO_70MHz_NTNV

5G NR n78a SCS=30kHz SISO 70MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3735	Outer_Full	11.82	/	/	<=13	Pass
	3750	Outer_Full	11.80	/	/	<=13	Pass
	3765	Outer_Full	11.82	/	/	<=13	Pass
DFT-s-OFDM QPSK	3735	Outer_Full	12.06	/	/	<=13	Pass
	3750	Outer_Full	10.24	/	/	<=13	Pass
	3765	Outer_Full	12.08	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3735	Outer_Full	12.14	/	/	<=13	Pass
	3750	Outer_Full	12.12	/	/	<=13	Pass
	3765	Outer_Full	12.12	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3735	Outer_Full	12.14	/	/	<=13	Pass
	3750	Outer_Full	12.14	/	/	<=13	Pass
	3765	Outer_Full	12.14	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3735	Outer_Full	12.08	/	/	<=13	Pass
	3750	Outer_Full	12.06	/	/	<=13	Pass
	3765	Outer_Full	12.06	/	/	<=13	Pass
CP-OFDM QPSK	3735	Outer_Full	12.50	/	/	<=13	Pass
	3750	Outer_Full	12.48	/	/	<=13	Pass
	3765	Outer_Full	12.50	/	/	<=13	Pass
CP-OFDM 16 QAM	3735	Outer_Full	12.52	/	/	<=13	Pass
	3750	Outer_Full	12.50	/	/	<=13	Pass
	3765	Outer_Full	12.50	/	/	<=13	Pass
CP-OFDM 64 QAM	3735	Outer_Full	12.52	/	/	<=13	Pass
	3750	Outer_Full	12.50	/	/	<=13	Pass
	3765	Outer_Full	12.50	/	/	<=13	Pass
CP-OFDM 256 QAM	3735	Outer_Full	12.58	/	/	<=13	Pass
	3750	Outer_Full	12.58	/	/	<=13	Pass
	3765	Outer_Full	12.58	/	/	<=13	Pass

4.1.7 30k_SISO_80MHz_NTNV

5G NR n78a SCS=30kHz SISO 80MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3740.01	Outer_Full	12.16	/	/	<=13	Pass
	3750	Outer_Full	12.14	/	/	<=13	Pass
	3759.99	Outer_Full	12.14	/	/	<=13	Pass
DFT-s-OFDM QPSK	3740.01	Outer_Full	12.54	/	/	<=13	Pass
	3750	Outer_Full	12.52	/	/	<=13	Pass
	3759.99	Outer_Full	12.52	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3740.01	Outer_Full	12.54	/	/	<=13	Pass
	3750	Outer_Full	8.70	/	/	<=13	Pass
	3759.99	Outer_Full	12.52	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3740.01	Outer_Full	12.52	/	/	<=13	Pass
	3750	Outer_Full	12.50	/	/	<=13	Pass
	3759.99	Outer_Full	12.50	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3740.01	Outer_Full	12.44	/	/	<=13	Pass
	3750	Outer_Full	12.42	/	/	<=13	Pass
	3759.99	Outer_Full	12.40	/	/	<=13	Pass
CP-OFDM QPSK	3740.01	Outer_Full	12.76	/	/	<=13	Pass

CP-OFDM 16 QAM	3750	Outer_Full	12.74	/	/	<=13	Pass
	3759.99	Outer_Full	12.74	/	/	<=13	Pass
	3740.01	Outer_Full	12.76	/	/	<=13	Pass
	3750	Outer_Full	12.76	/	/	<=13	Pass
	3759.99	Outer_Full	12.74	/	/	<=13	Pass
CP-OFDM 64 QAM	3740.01	Outer_Full	12.76	/	/	<=13	Pass
	3750	Outer_Full	12.76	/	/	<=13	Pass
	3759.99	Outer_Full	12.74	/	/	<=13	Pass
CP-OFDM 256 QAM	3740.01	Outer_Full	12.86	/	/	<=13	Pass
	3750	Outer_Full	12.84	/	/	<=13	Pass
	3759.99	Outer_Full	12.84	/	/	<=13	Pass

4.1.8 30k_SISO_90MHz_NTNV

5G NR n78a SCS=30kHz SISO 90MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3745.02	Outer_Full	9.96	/	/	<=13	Pass
	3750	Outer_Full	8.56	/	/	<=13	Pass
	3754.98	Outer_Full	9.98	/	/	<=13	Pass
DFT-s-OFDM QPSK	3745.02	Outer_Full	9.98	/	/	<=13	Pass
	3750	Outer_Full	9.98	/	/	<=13	Pass
	3754.98	Outer_Full	10.02	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3745.02	Outer_Full	10.02	/	/	<=13	Pass
	3750	Outer_Full	10.02	/	/	<=13	Pass
	3754.98	Outer_Full	10.58	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3745.02	Outer_Full	10.22	/	/	<=13	Pass
	3750	Outer_Full	12.24	/	/	<=13	Pass
	3754.98	Outer_Full	10.32	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3745.02	Outer_Full	10.04	/	/	<=13	Pass
	3750	Outer_Full	10.28	/	/	<=13	Pass
	3754.98	Outer_Full	10.24	/	/	<=13	Pass
CP-OFDM QPSK	3745.02	Outer_Full	10.40	/	/	<=13	Pass
	3750	Outer_Full	10.36	/	/	<=13	Pass
	3754.98	Outer_Full	10.58	/	/	<=13	Pass
CP-OFDM 16 QAM	3745.02	Outer_Full	10.20	/	/	<=13	Pass
	3750	Outer_Full	10.18	/	/	<=13	Pass
	3754.98	Outer_Full	10.60	/	/	<=13	Pass
CP-OFDM 64 QAM	3745.02	Outer_Full	10.44	/	/	<=13	Pass
	3750	Outer_Full	10.44	/	/	<=13	Pass
	3754.98	Outer_Full	10.56	/	/	<=13	Pass
CP-OFDM 256 QAM	3745.02	Outer_Full	10.34	/	/	<=13	Pass
	3750	Outer_Full	10.34	/	/	<=13	Pass
	3754.98	Outer_Full	10.56	/	/	<=13	Pass

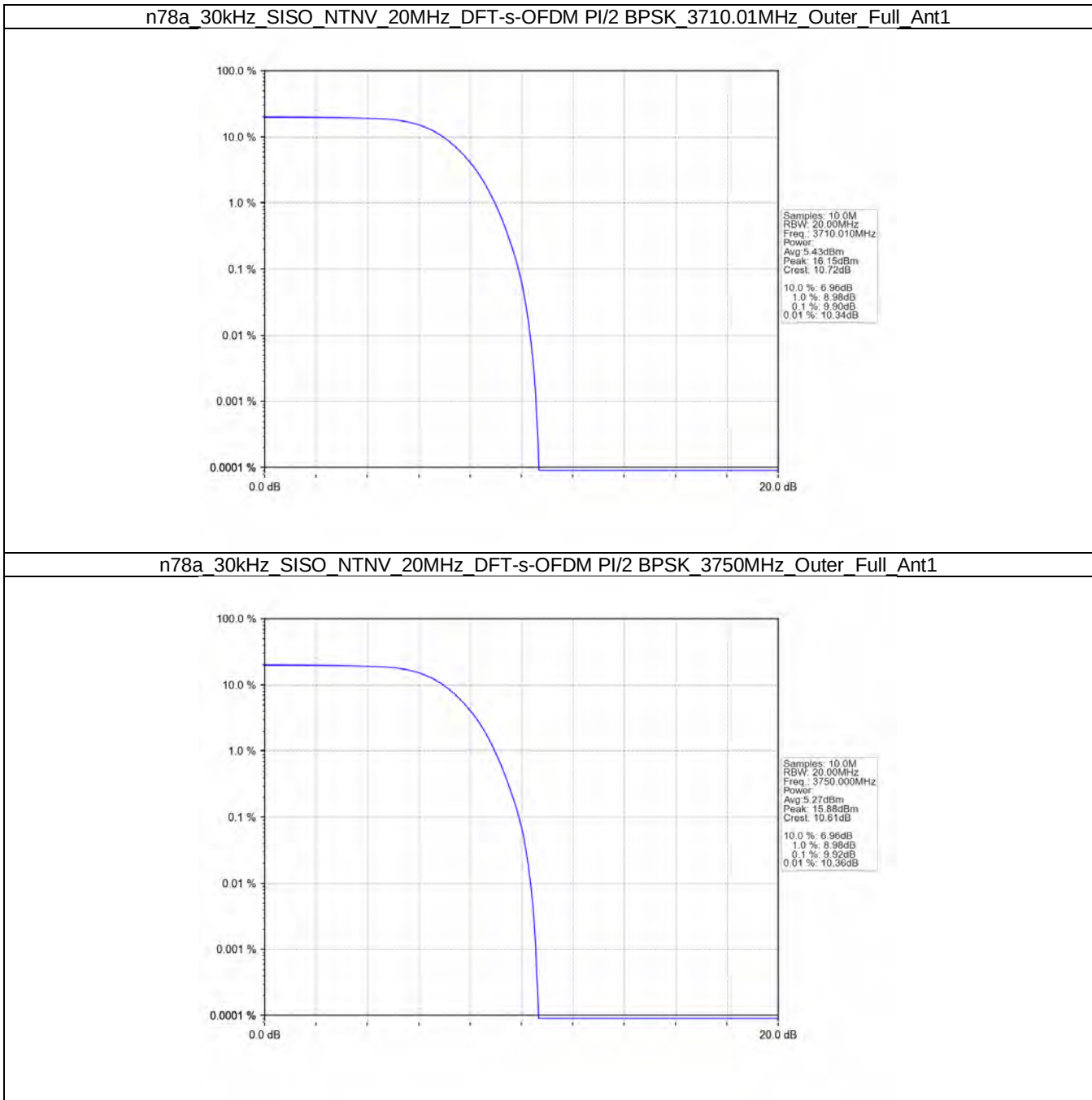
4.1.9 30k_SISO_100MHz_NTNV

5G NR n78a 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	3750	Outer_Full	9.66	/	/	<=13	Pass
	3750	Outer_Full	9.68	/	/	<=13	Pass
	3750	Outer_Full	8.56	/	/	<=13	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	10.12	/	/	<=13	Pass
	3750	Outer_Full	10.10	/	/	<=13	Pass
	3750	Outer_Full	9.88	/	/	<=13	Pass

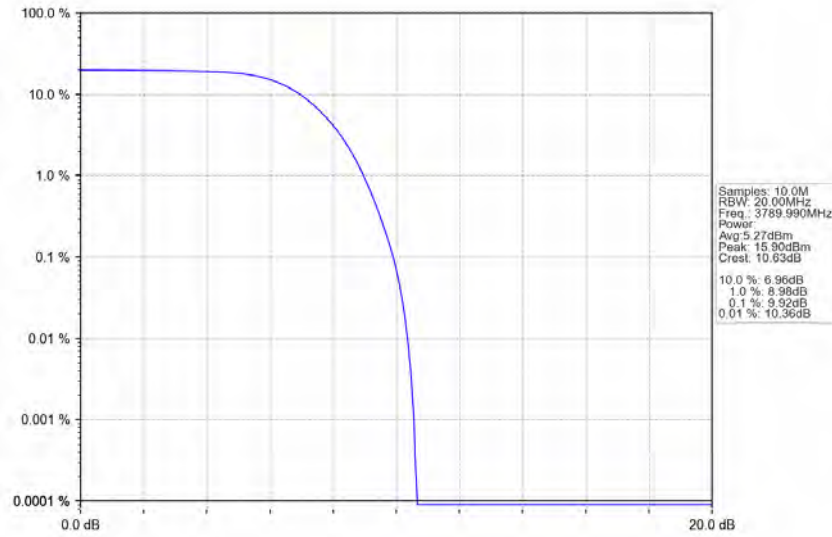
DFT-s-OFDM 16 QAM	3750	Outer_Full	10.02	/	/	<=13	Pass
	3750	Outer_Full	10.26	/	/	<=13	Pass
	3750	Outer_Full	10.24	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	10.06	/	/	<=13	Pass
	3750	Outer_Full	10.04	/	/	<=13	Pass
	3750	Outer_Full	10.06	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	10.28	/	/	<=13	Pass
	3750	Outer_Full	10.28	/	/	<=13	Pass
	3750	Outer_Full	10.32	/	/	<=13	Pass
CP-OFDM QPSK	3750	Outer_Full	10.54	/	/	<=13	Pass
	3750	Outer_Full	10.30	/	/	<=13	Pass
	3750	Outer_Full	10.50	/	/	<=13	Pass
CP-OFDM 16 QAM	3750	Outer_Full	10.50	/	/	<=13	Pass
	3750	Outer_Full	10.30	/	/	<=13	Pass
	3750	Outer_Full	10.30	/	/	<=13	Pass
CP-OFDM 64 QAM	3750	Outer_Full	10.34	/	/	<=13	Pass
	3750	Outer_Full	10.32	/	/	<=13	Pass
	3750	Outer_Full	10.30	/	/	<=13	Pass
CP-OFDM 256 QAM	3750	Outer_Full	11.60	/	/	<=13	Pass
	3750	Outer_Full	10.74	/	/	<=13	Pass
	3750	Outer_Full	10.50	/	/	<=13	Pass

4.2 Test Graph

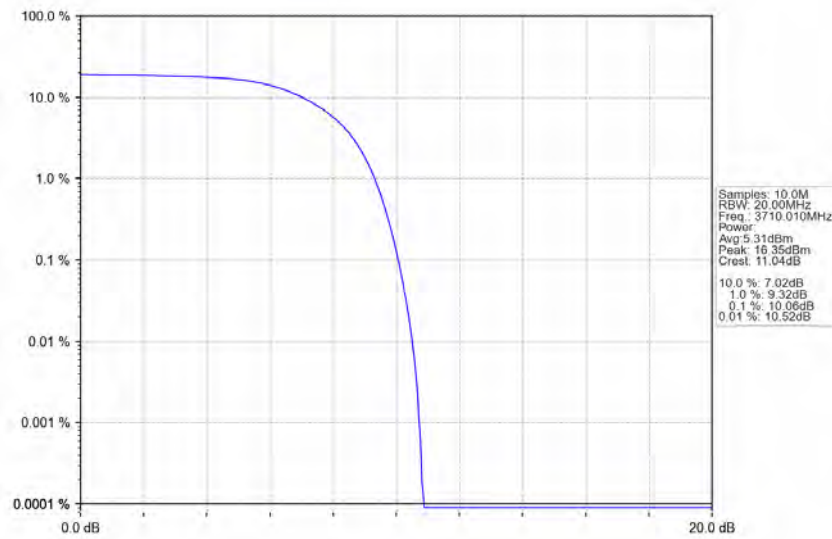
4.2.1 30k_SISO_20MHz_NTNV



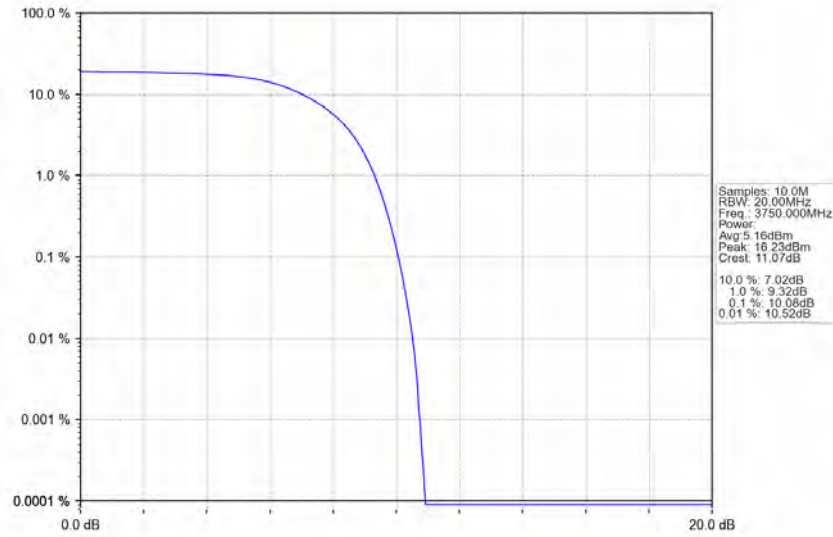
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM PI/2 BPSK 3789.99MHz Outer Full Ant1



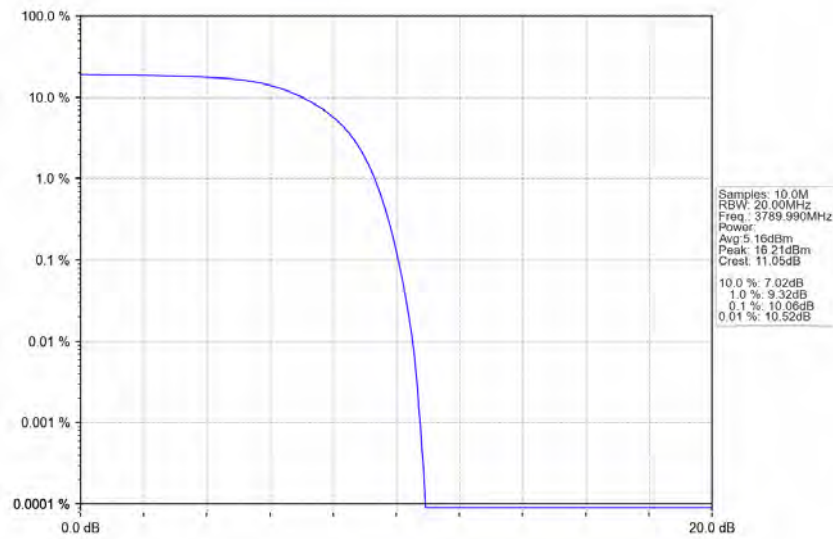
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM QPSK 3710.01MHz Outer Full Ant1



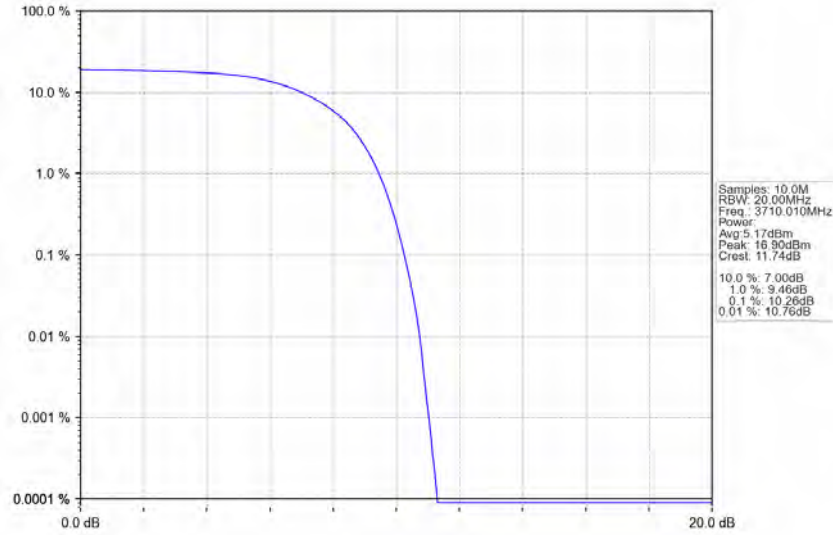
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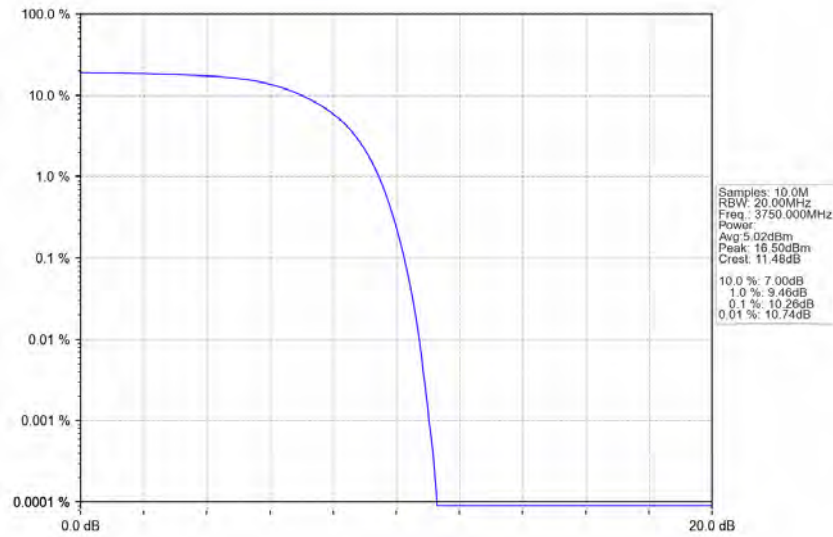
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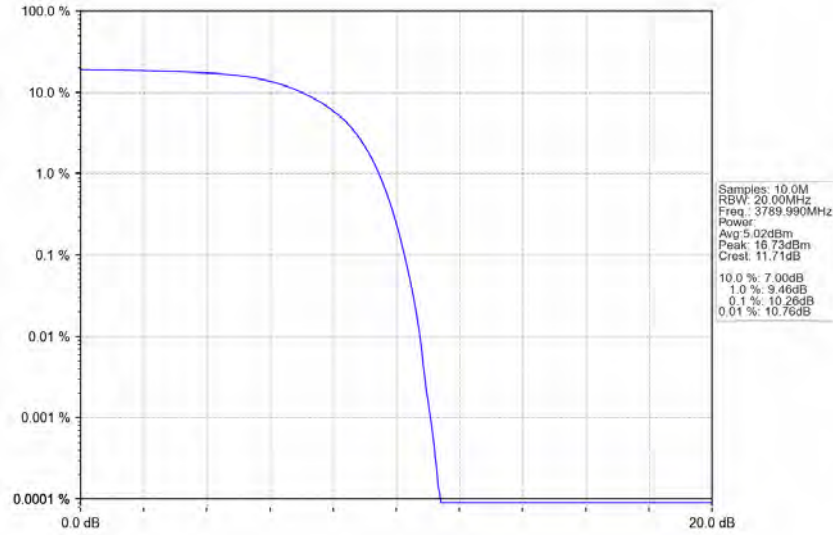
n78a 30kHz SISO NTN 20MHz DFT-s-OFDM 16 QAM 3710.01MHz Outer Full Ant1



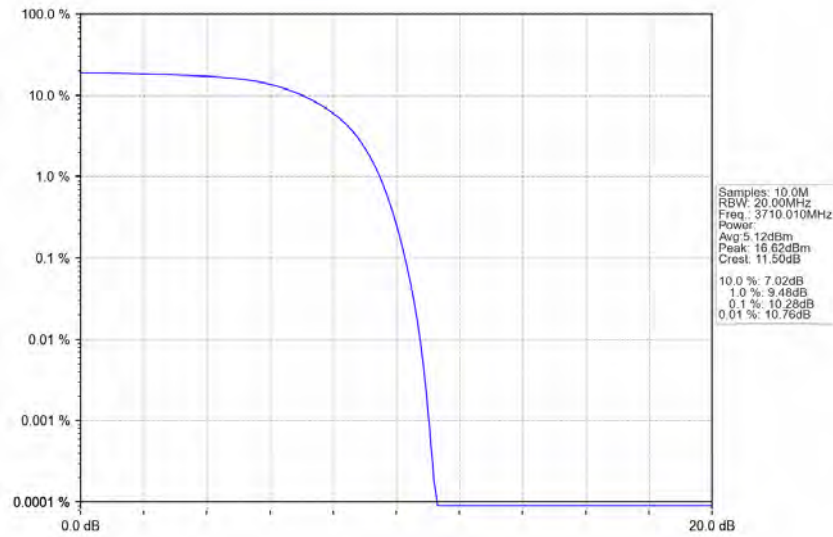
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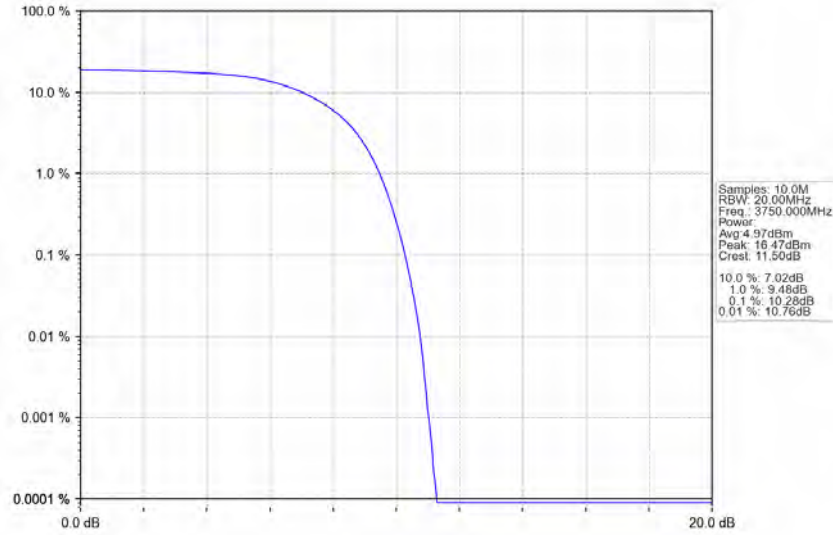
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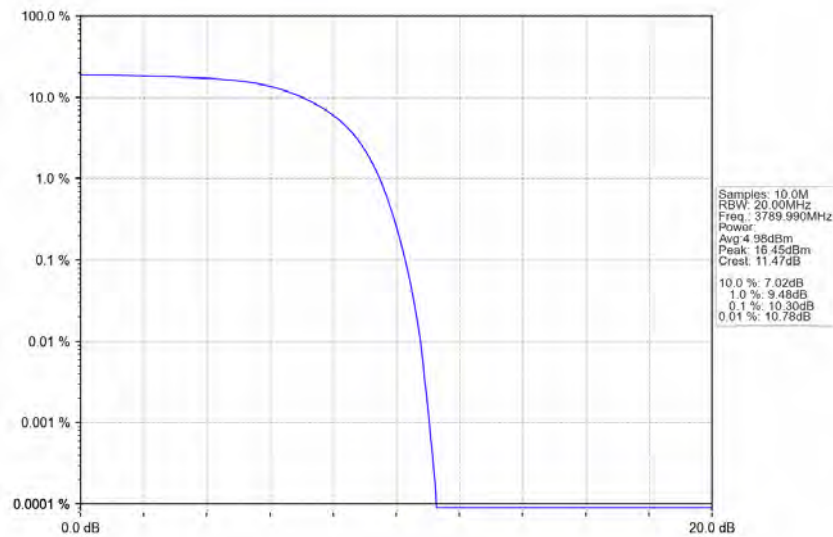
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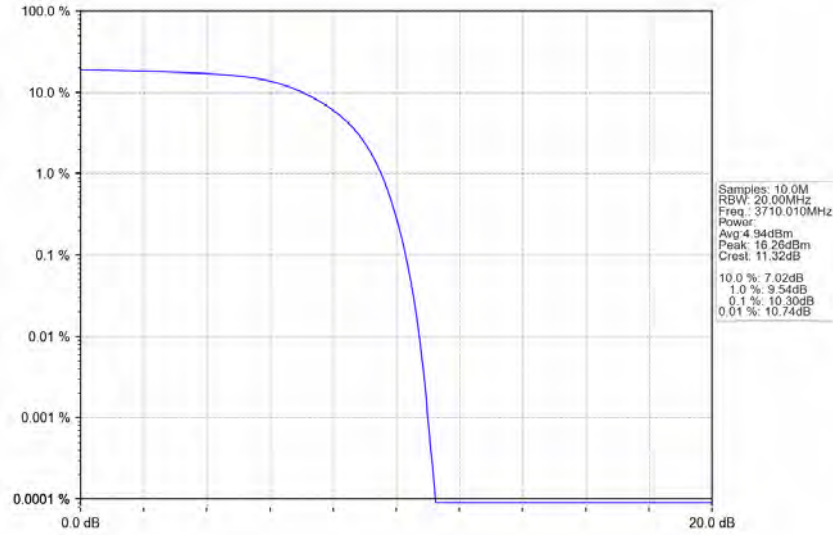
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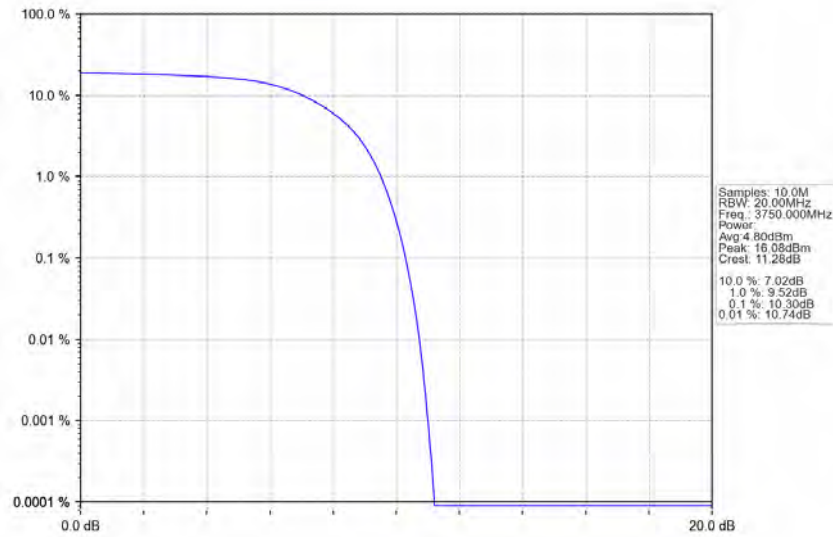
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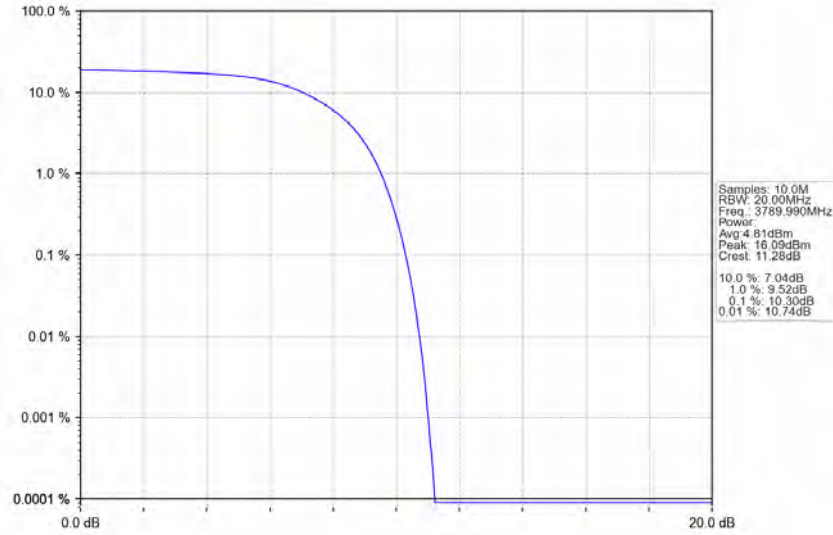
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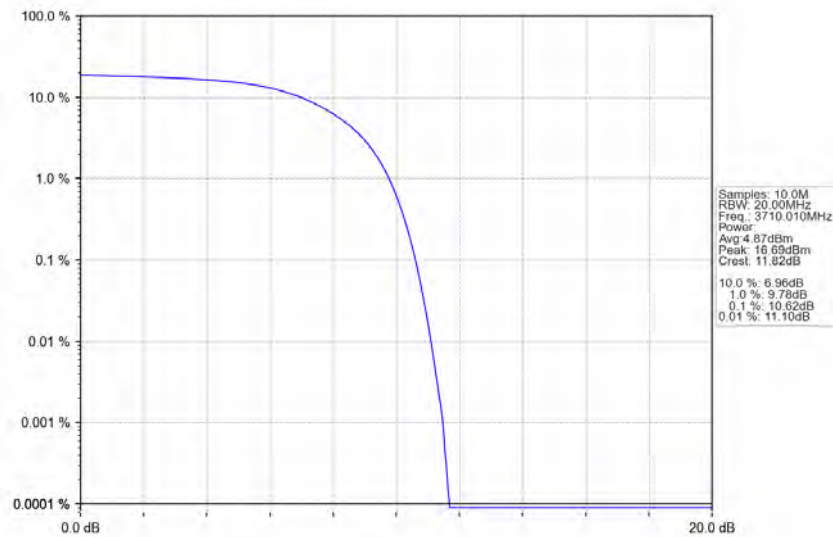
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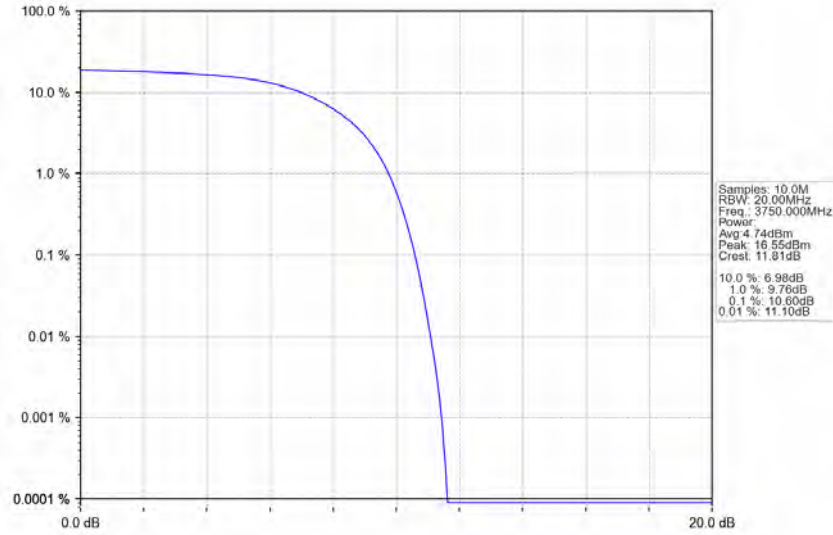
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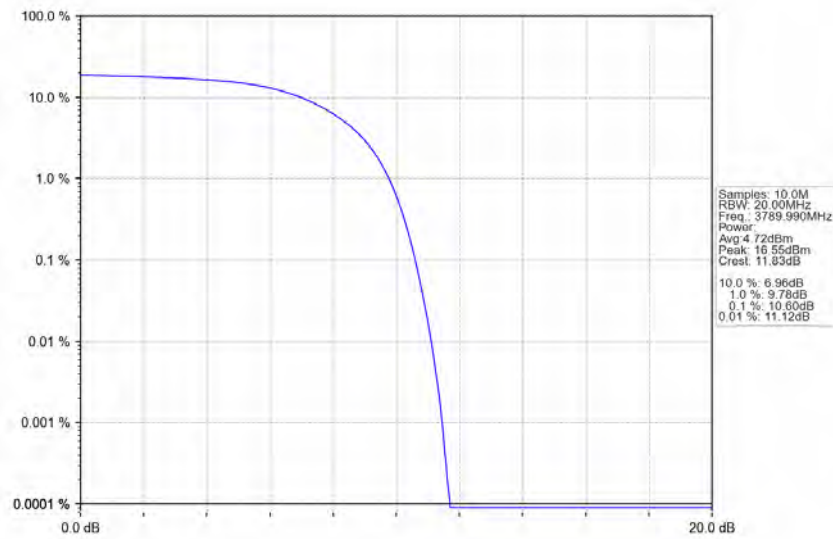
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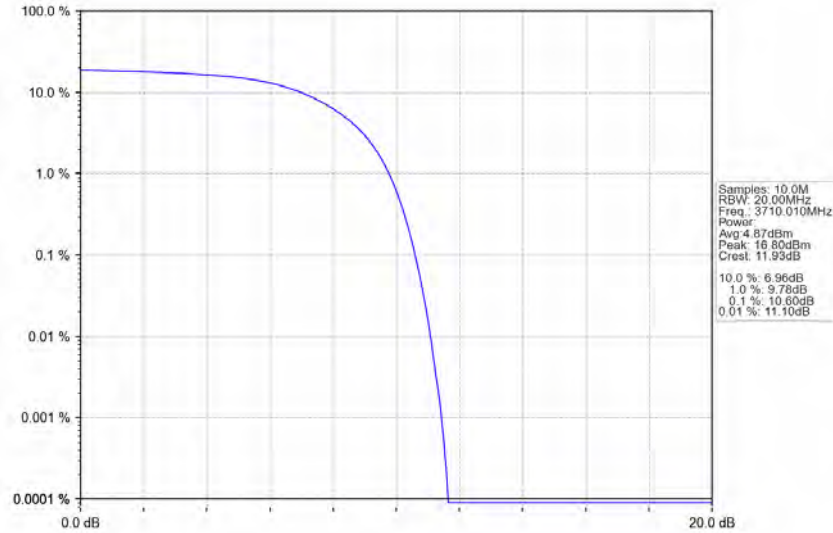
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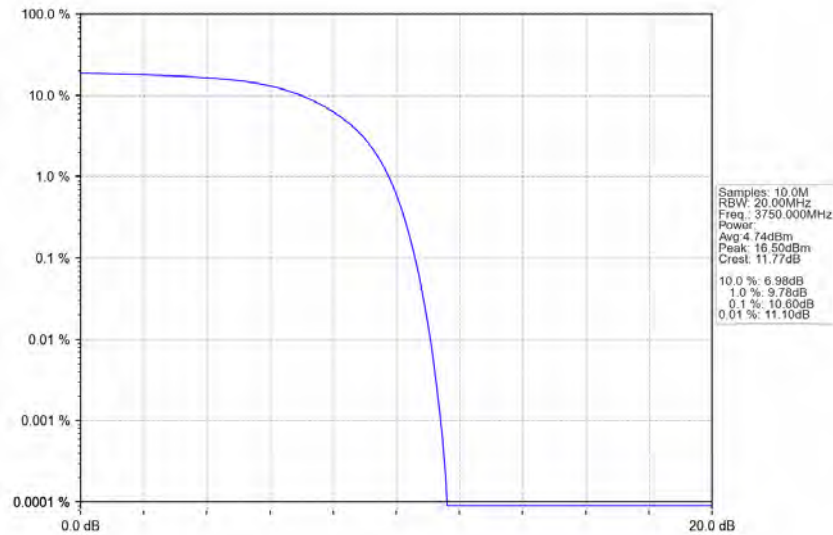
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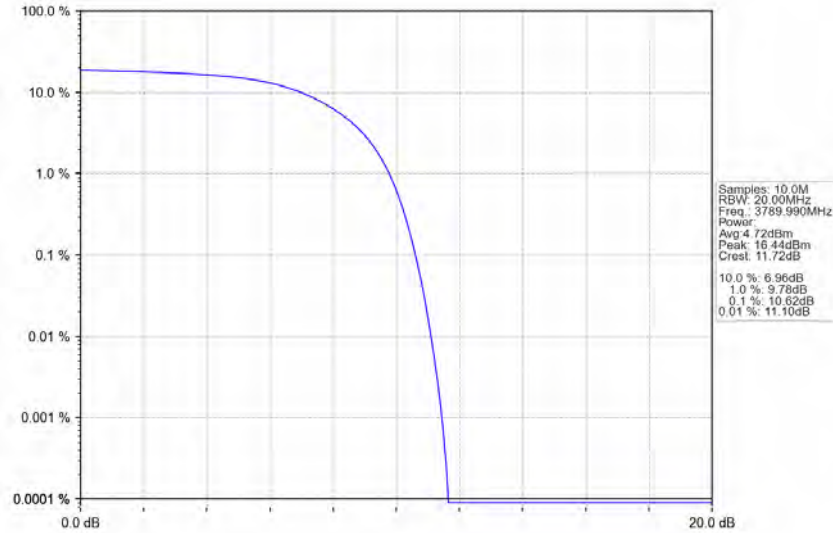
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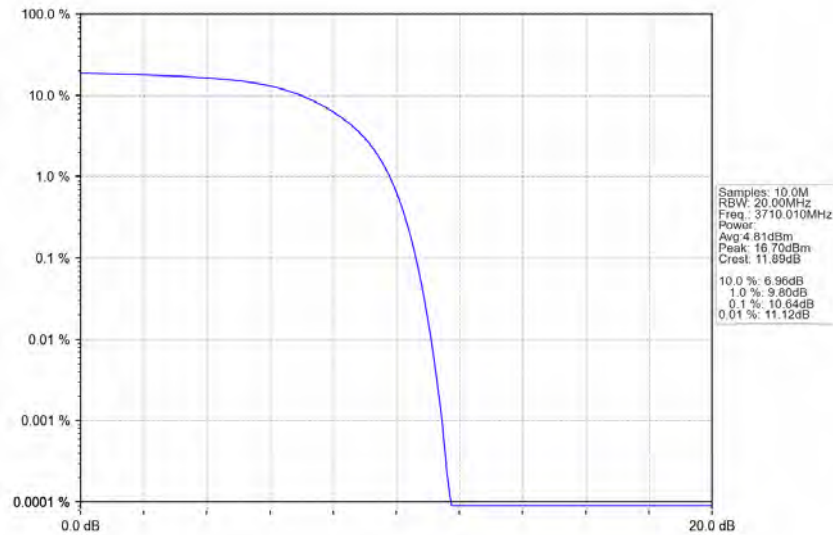
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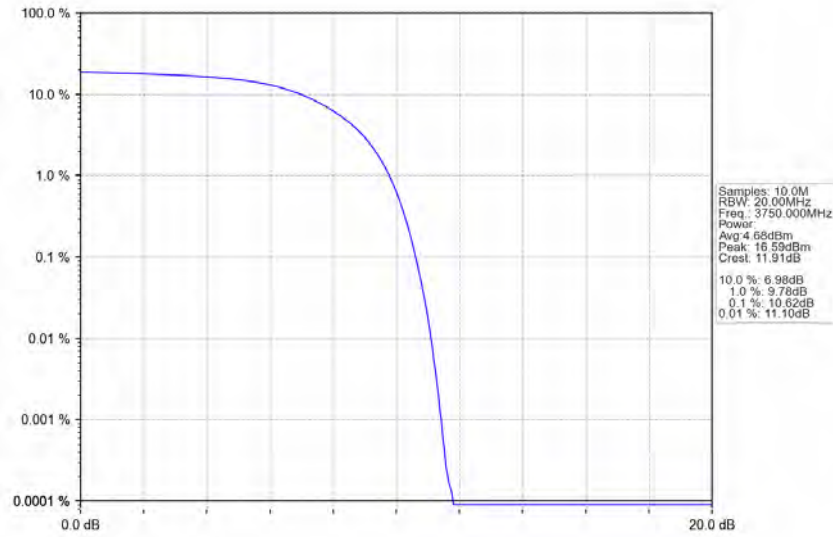
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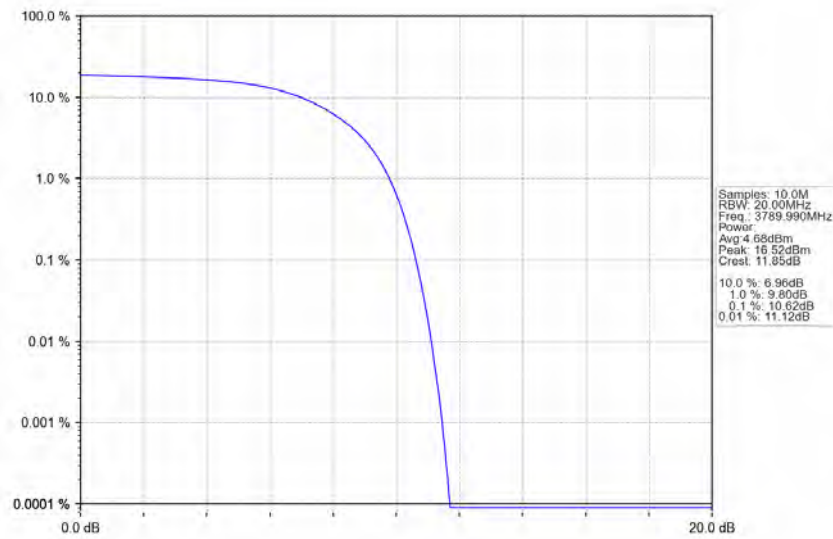
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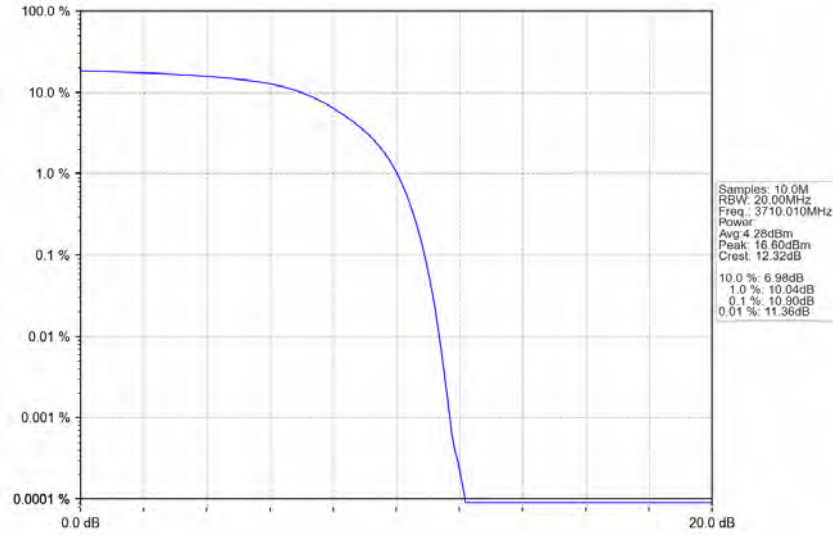
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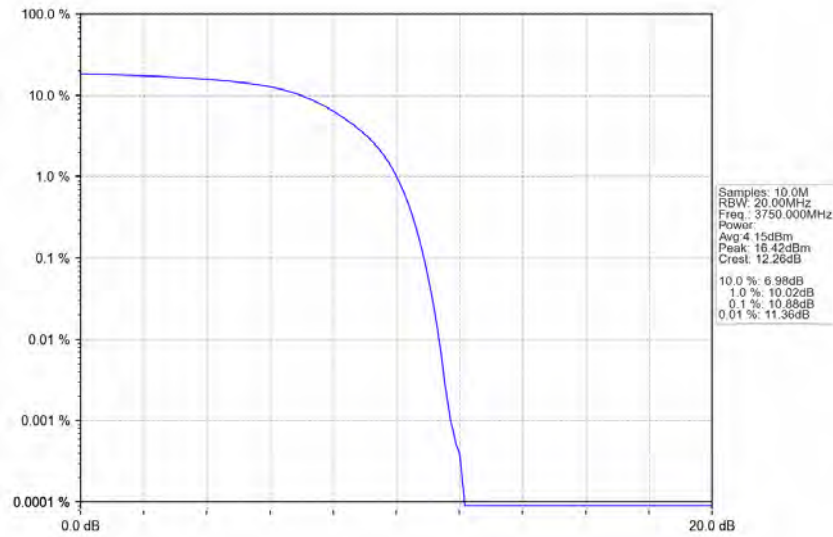
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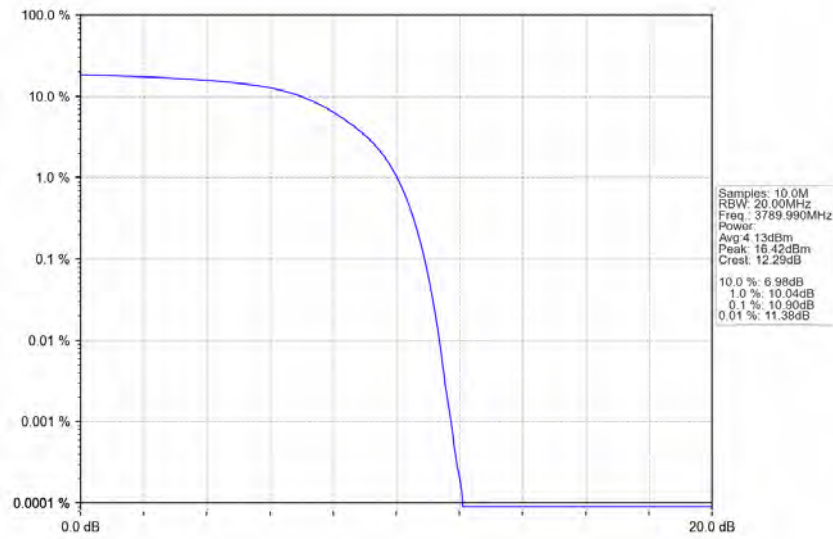
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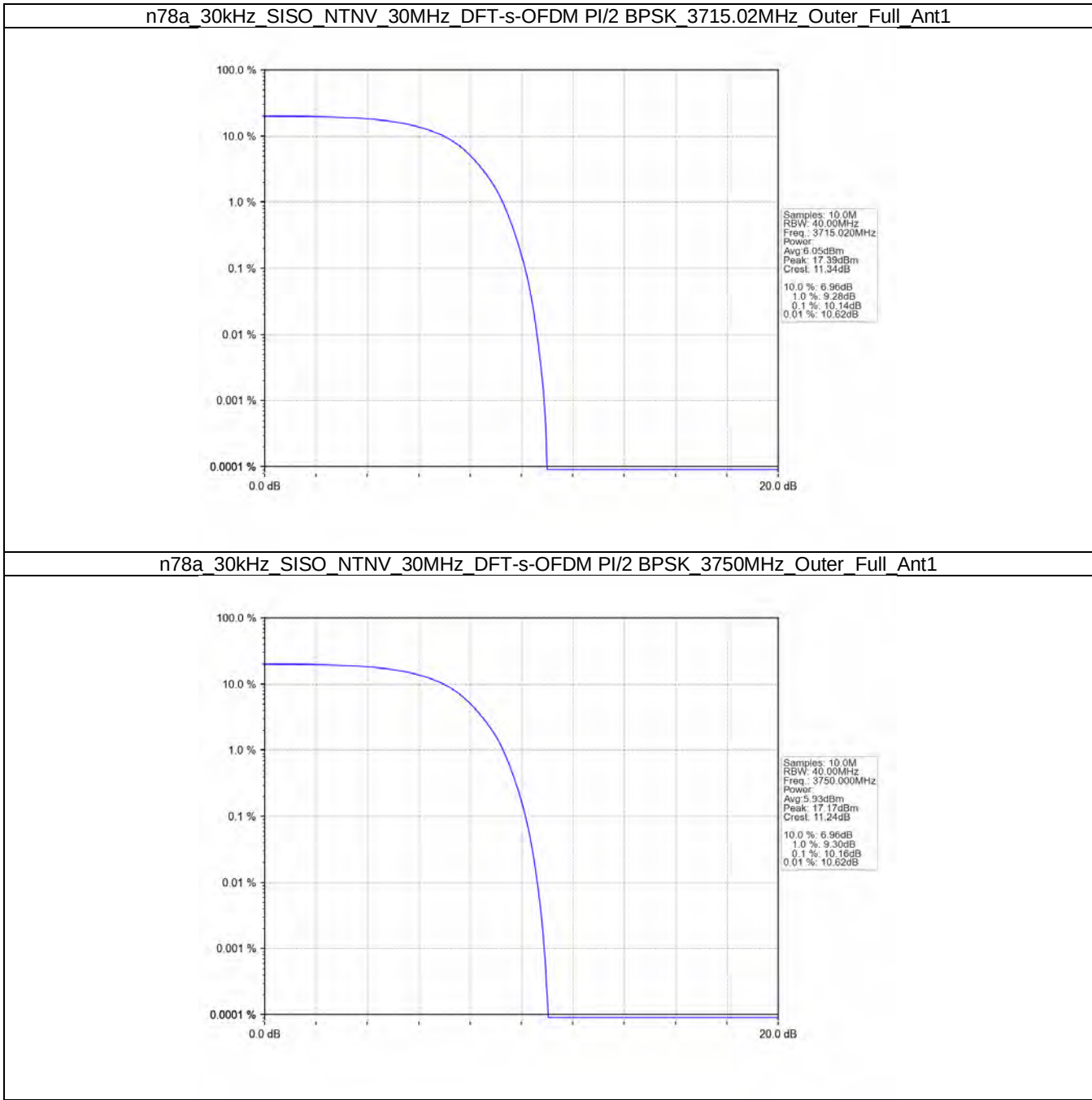
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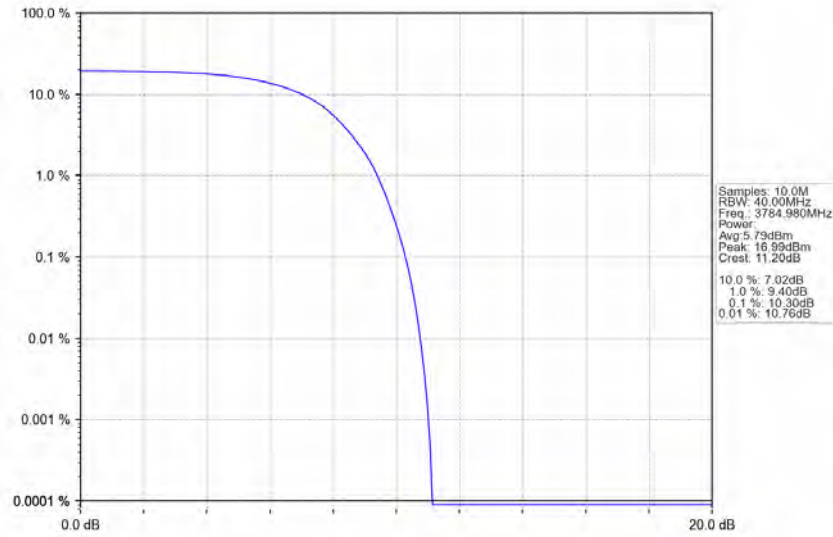
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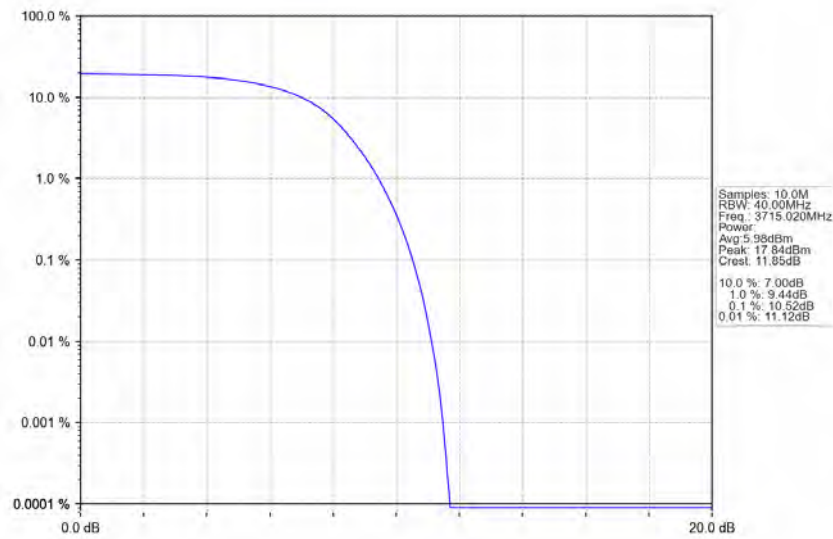
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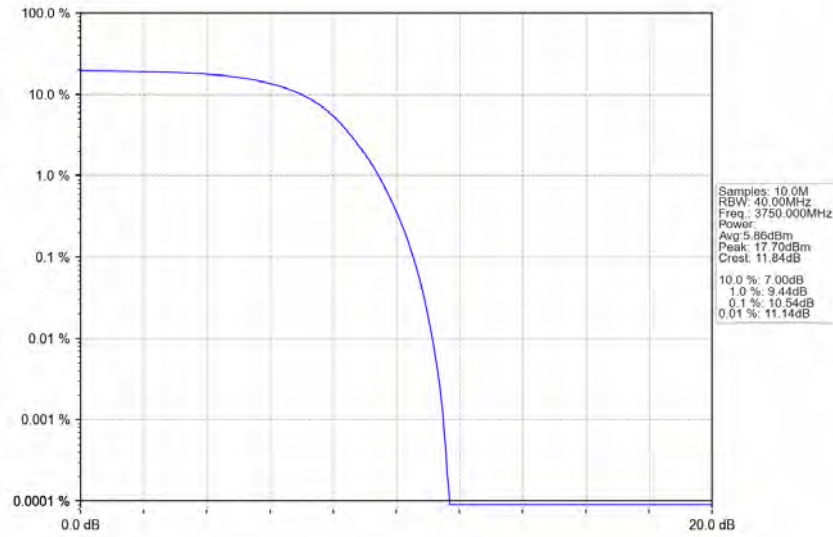
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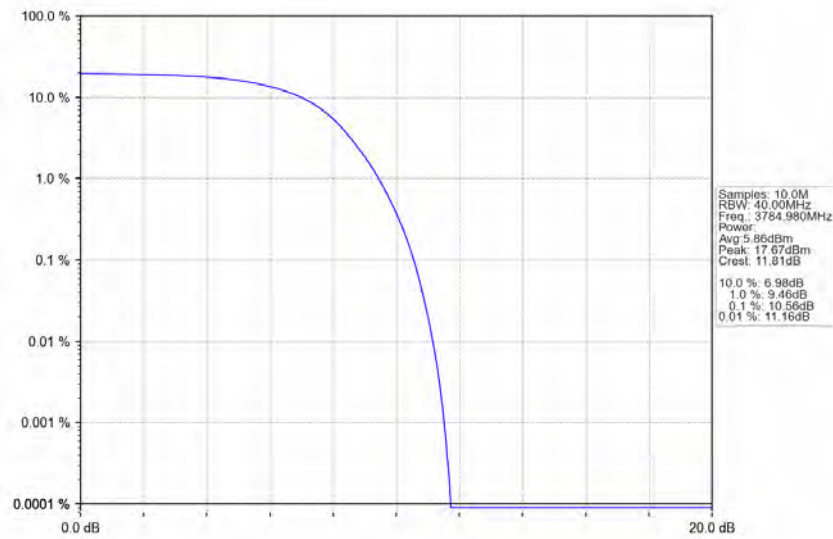
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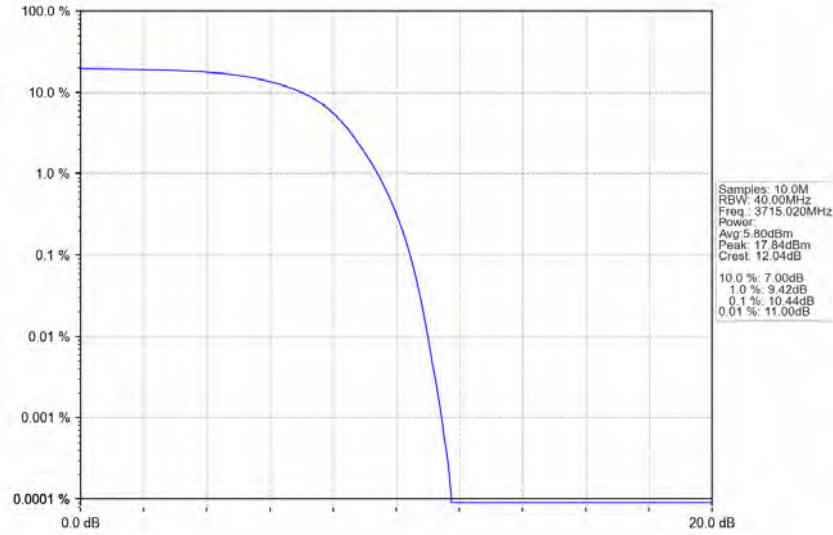
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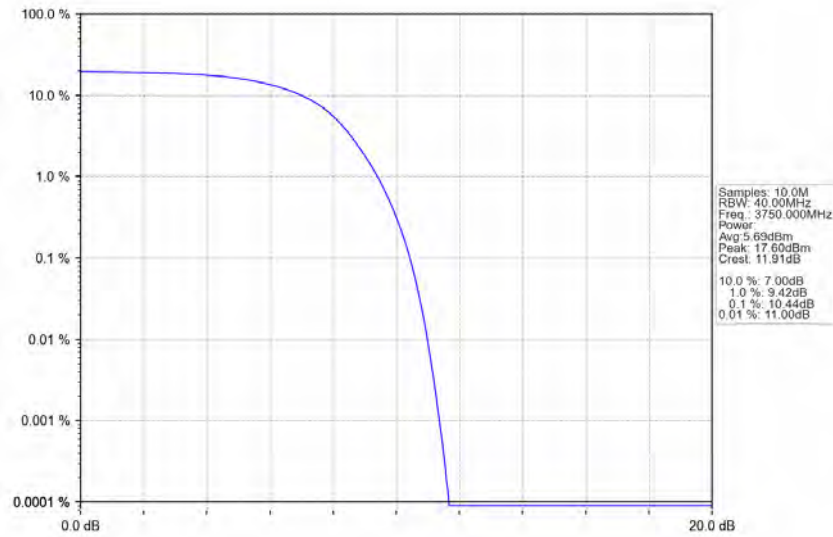
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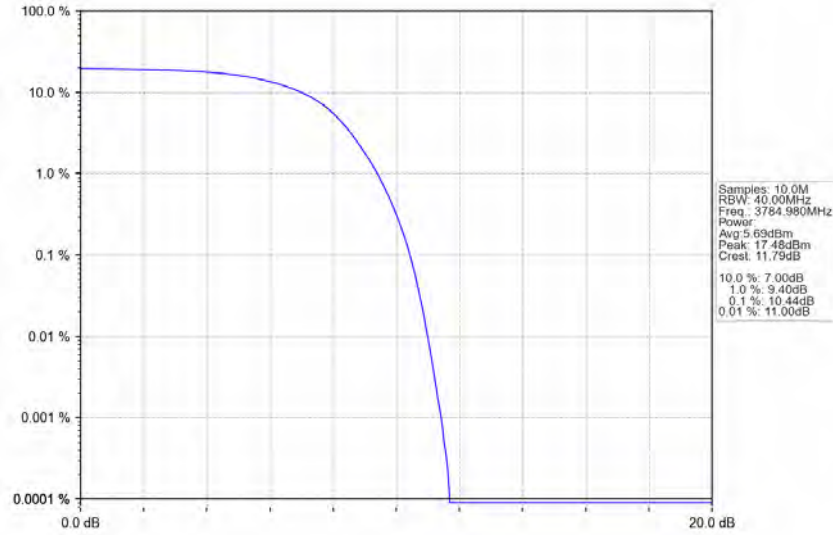
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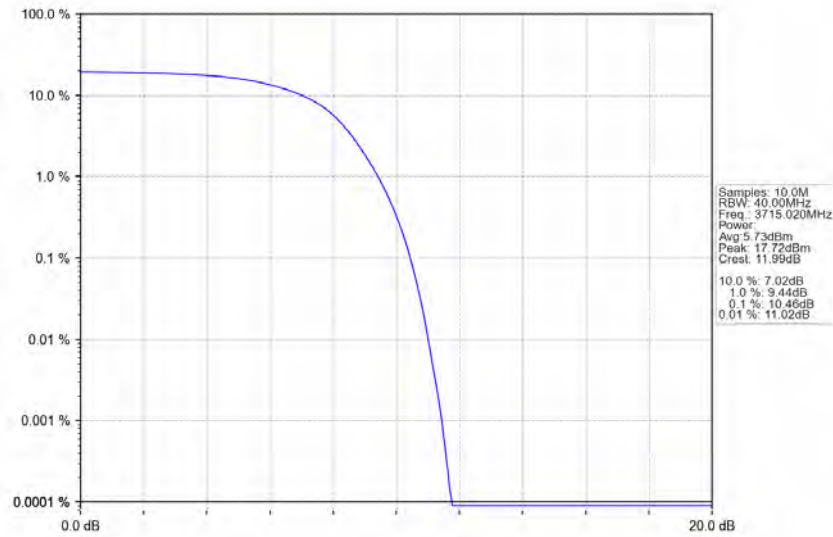
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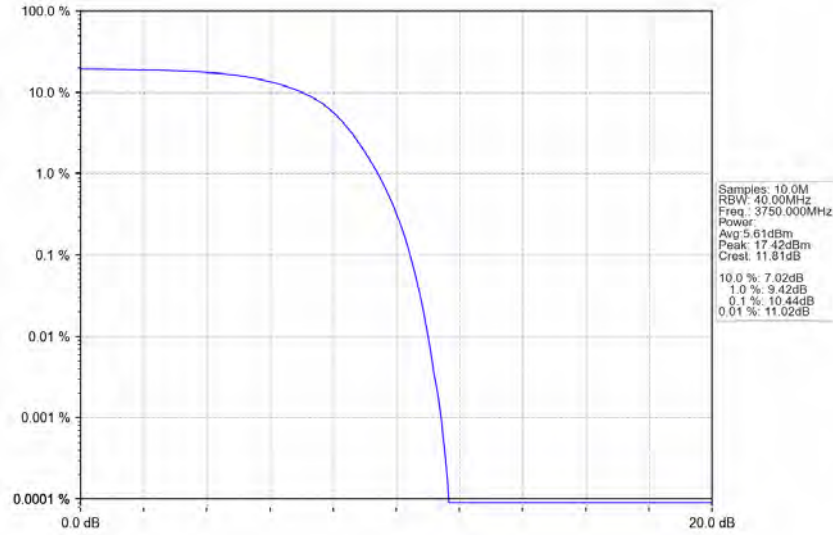
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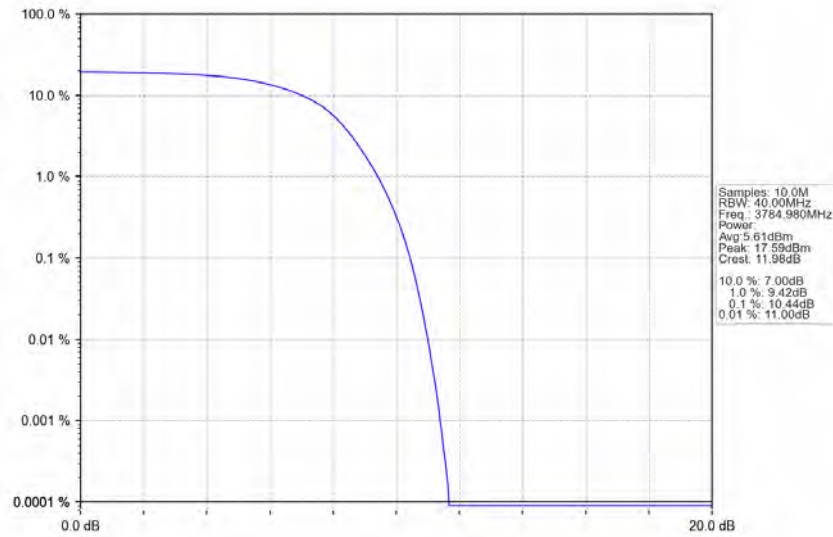
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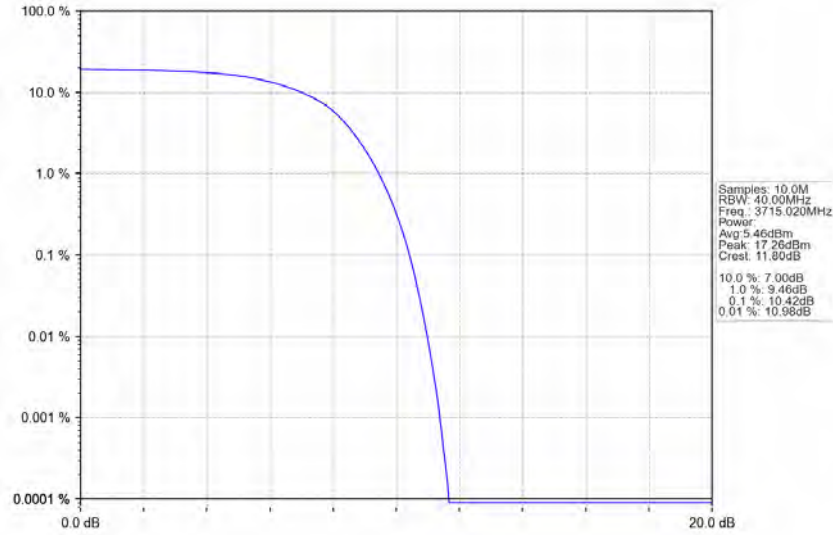
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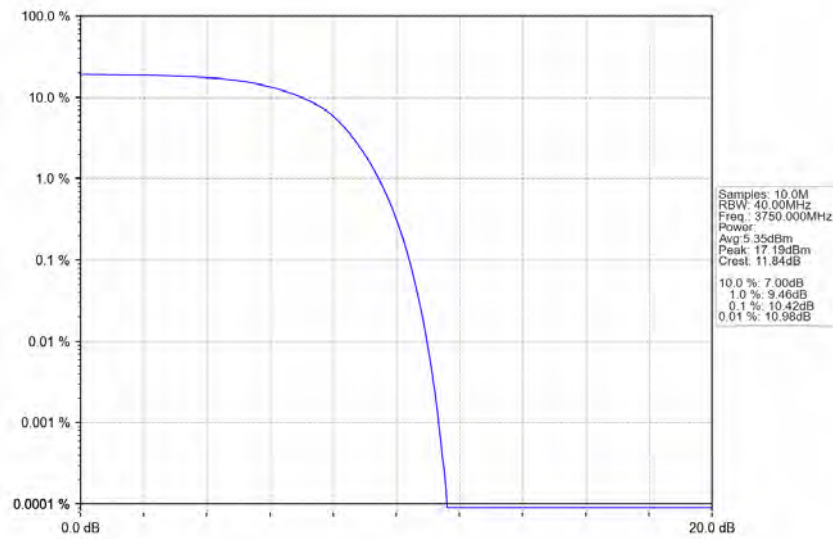
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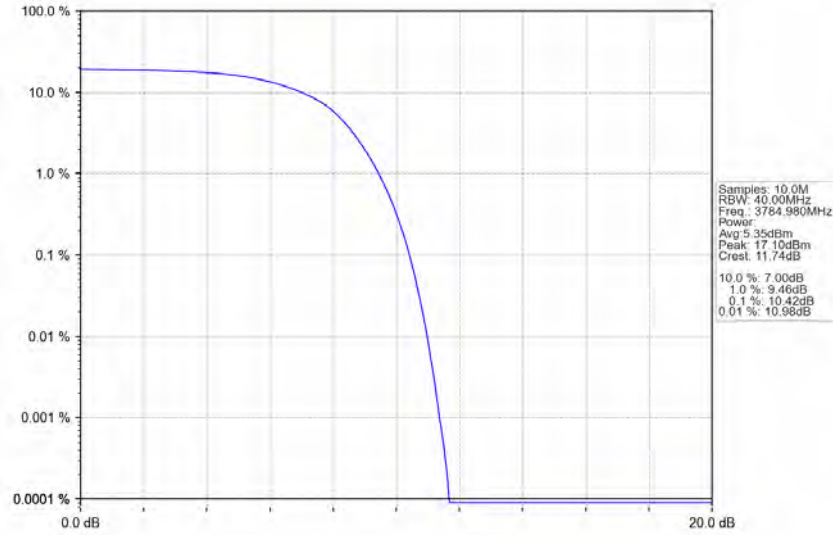
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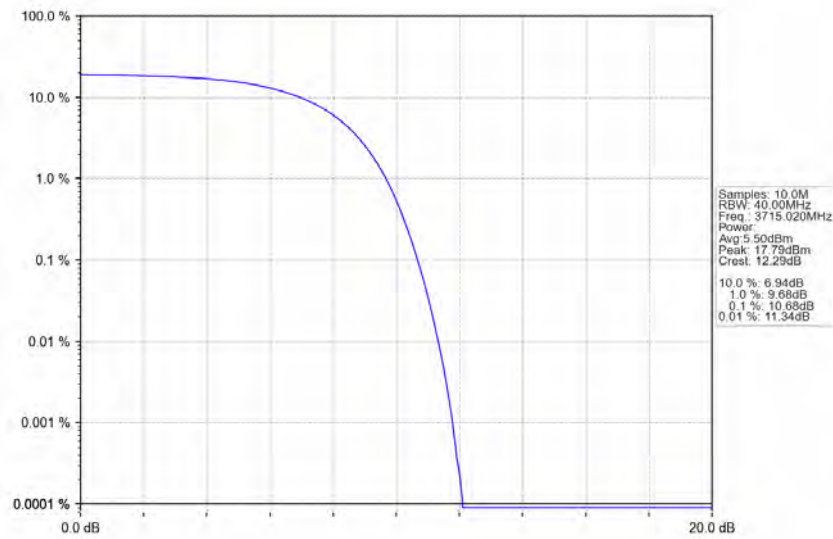
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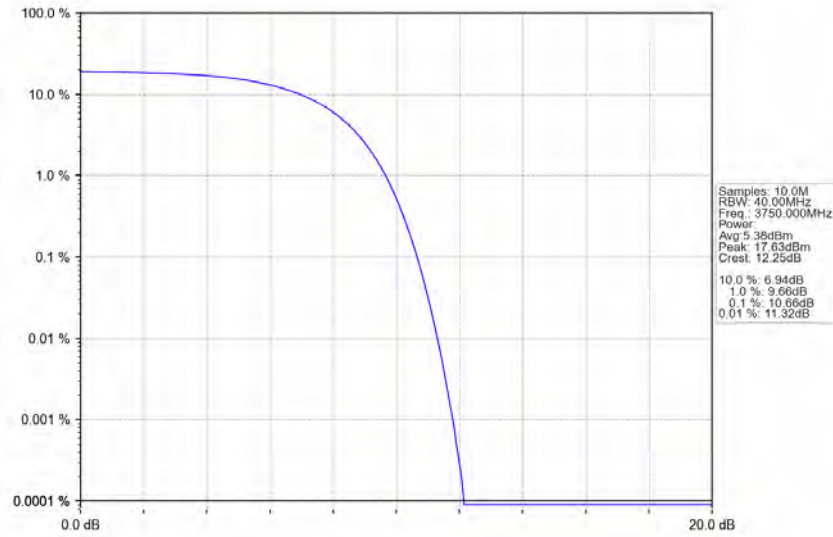
n78a 30kHz SISO NTN 30MHz DFT-s-OFDM 256 QAM 3784.98MHz Outer Full Ant1



n78a 30kHz SISO NTN 30MHz CP-OFDM QPSK 3715.02MHz Outer Full Ant1



n78a 30kHz SISO NTN 30MHz CP-OFDM QPSK 3750MHz Outer Full Ant1



n78a 30kHz SISO NTN 30MHz CP-OFDM QPSK 3784.98MHz Outer Full Ant1

