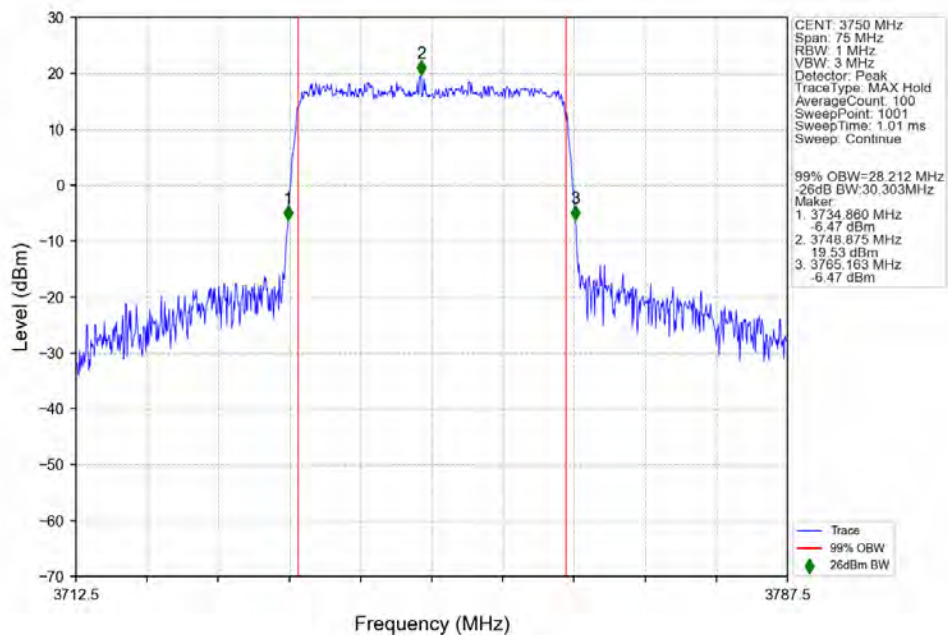
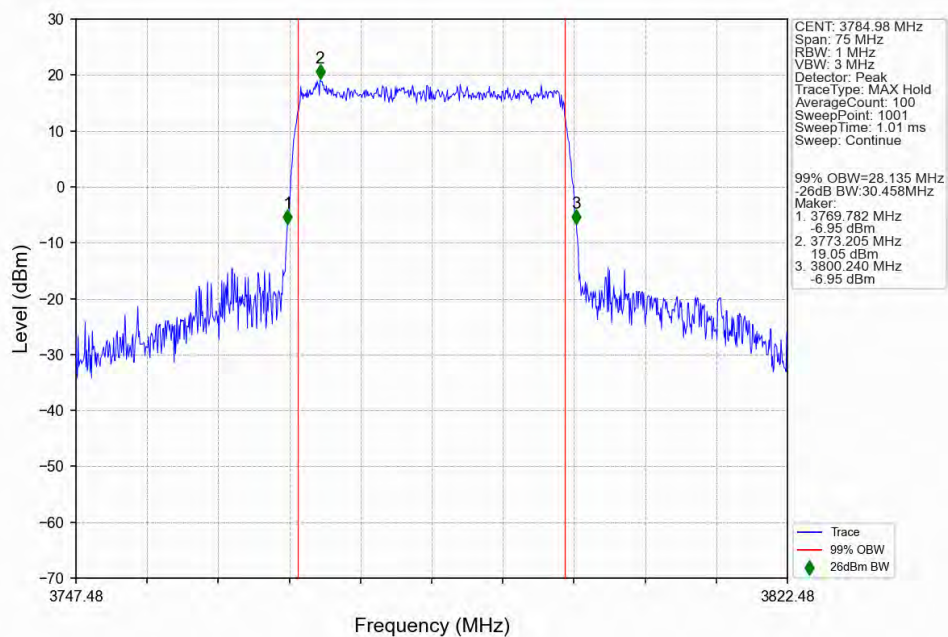


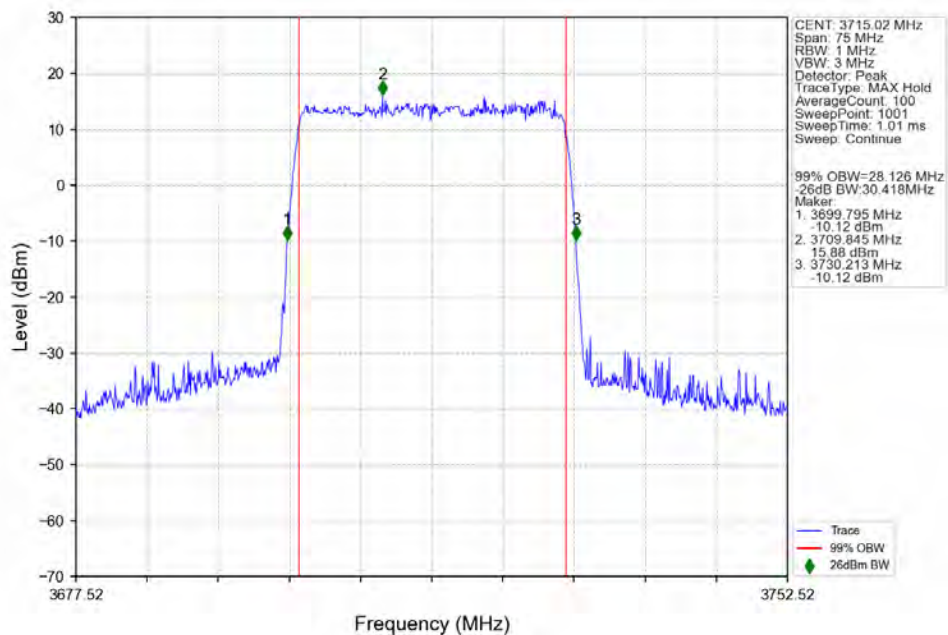
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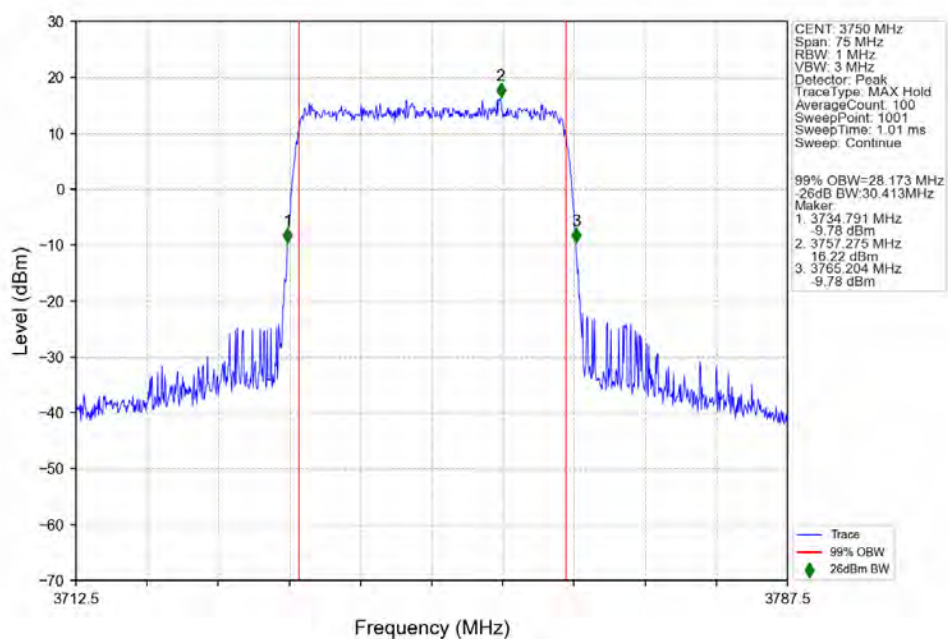
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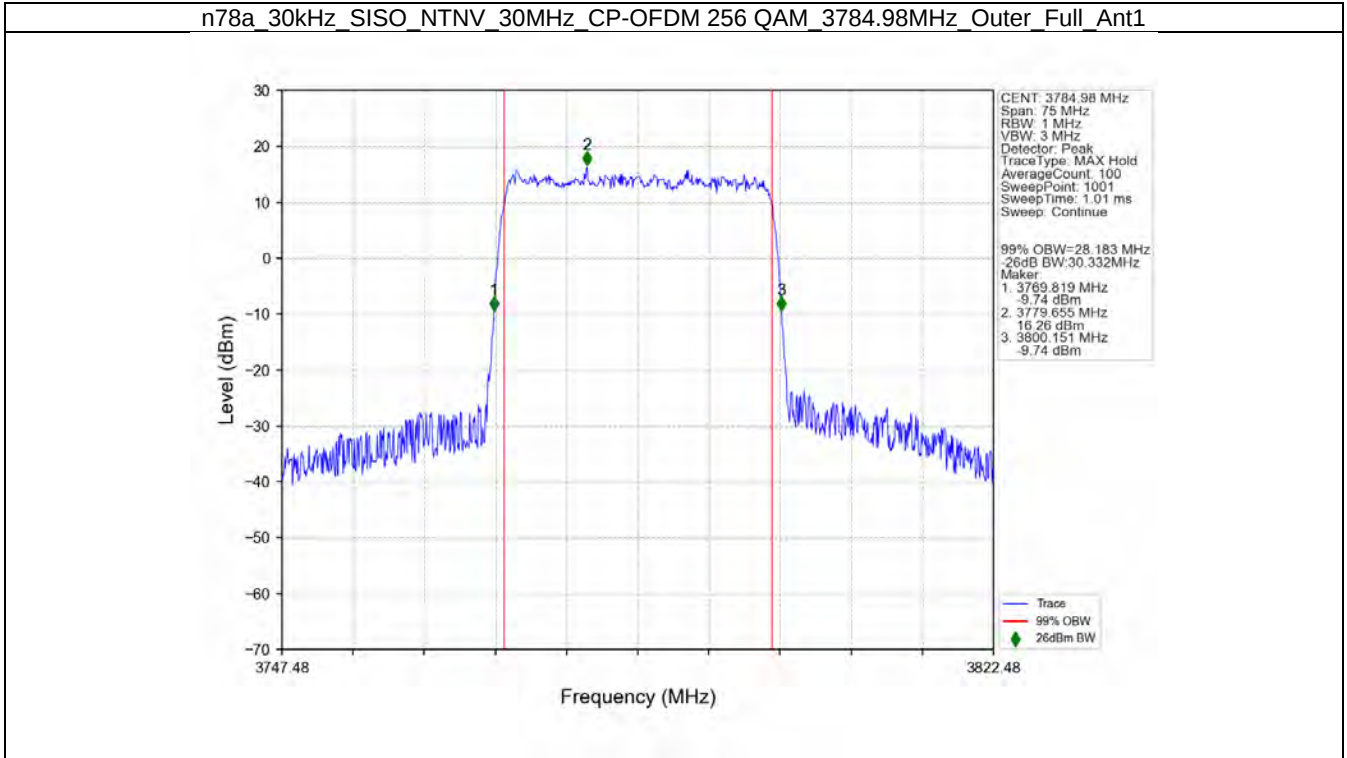


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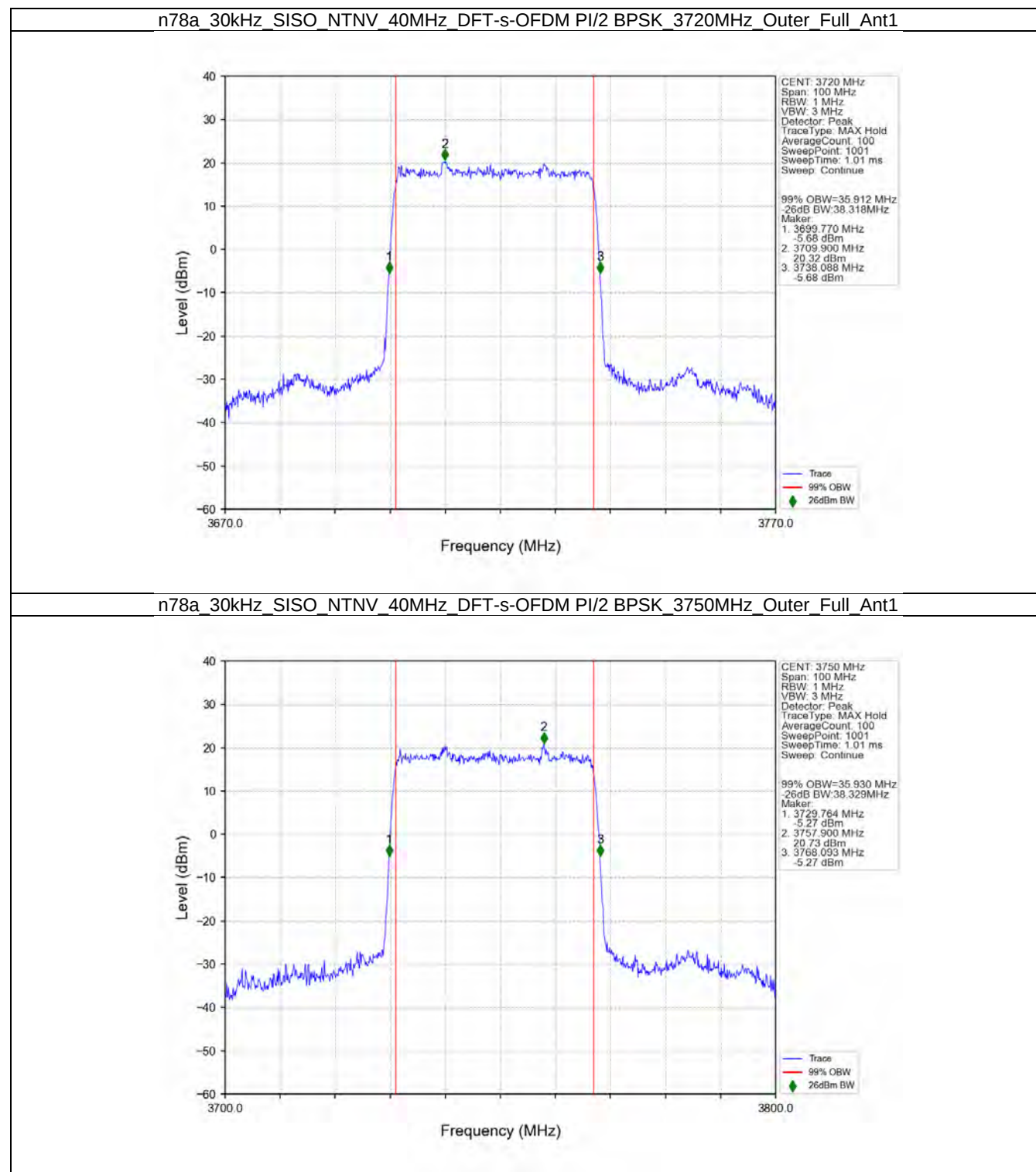


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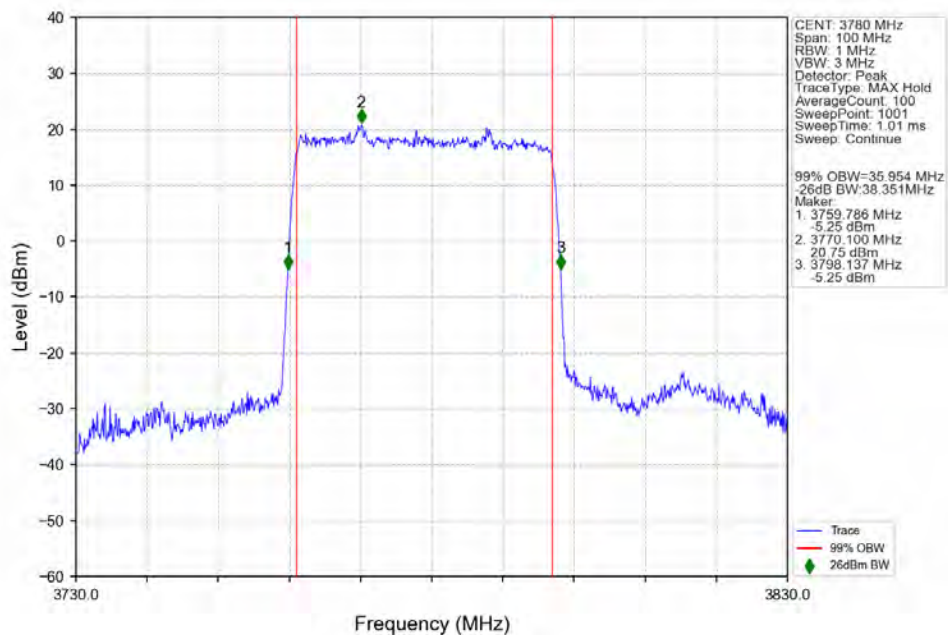




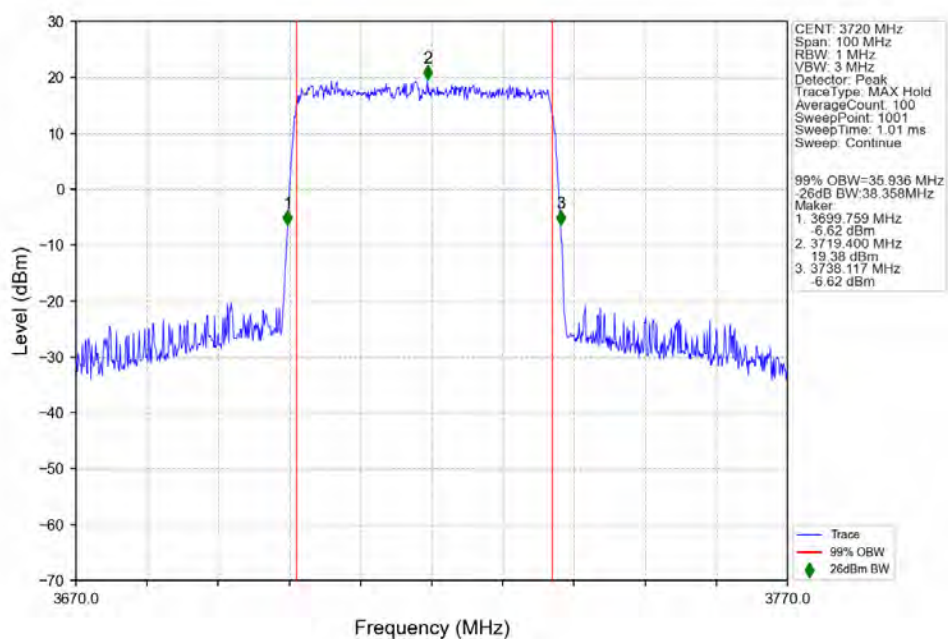
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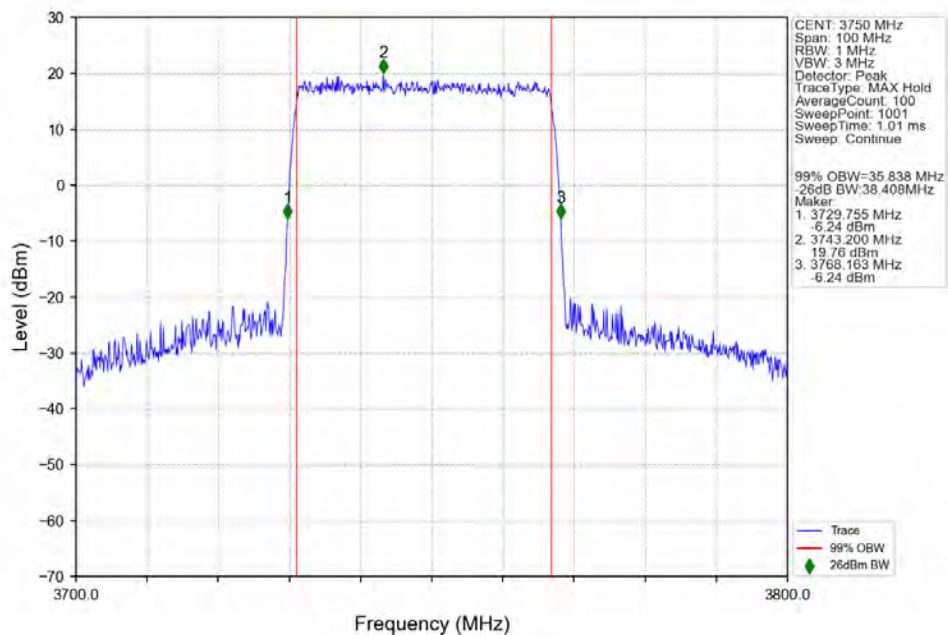
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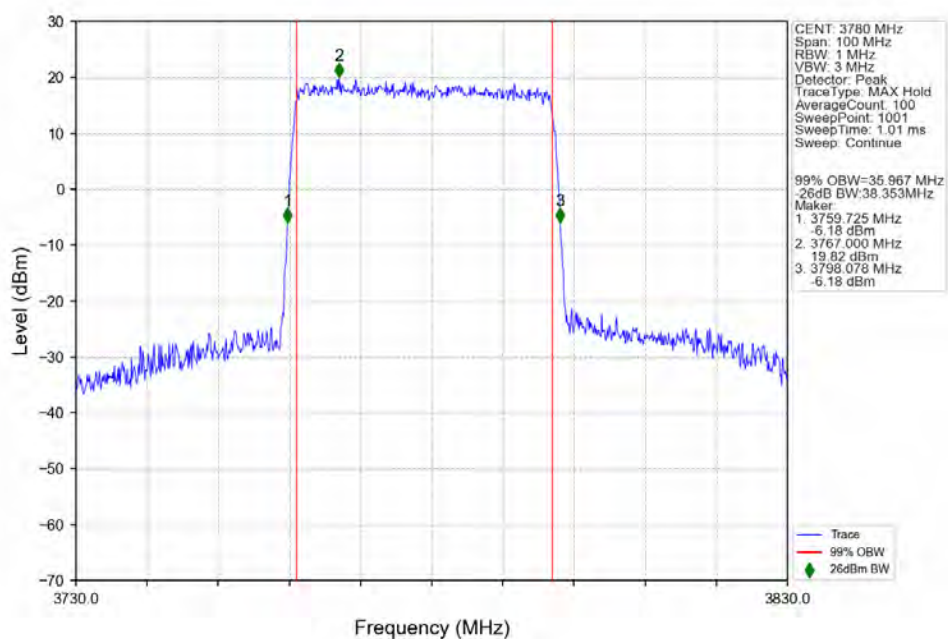
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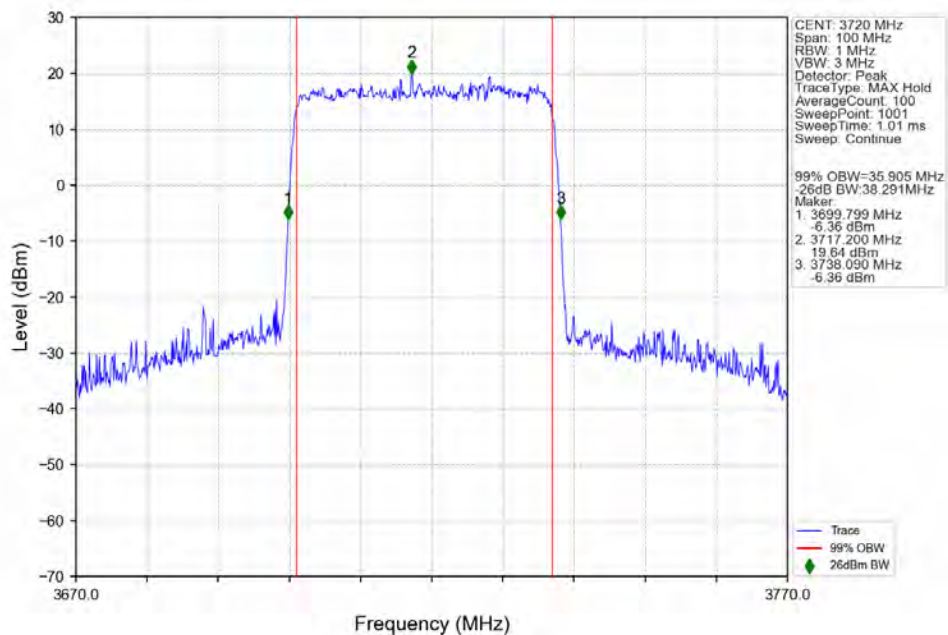
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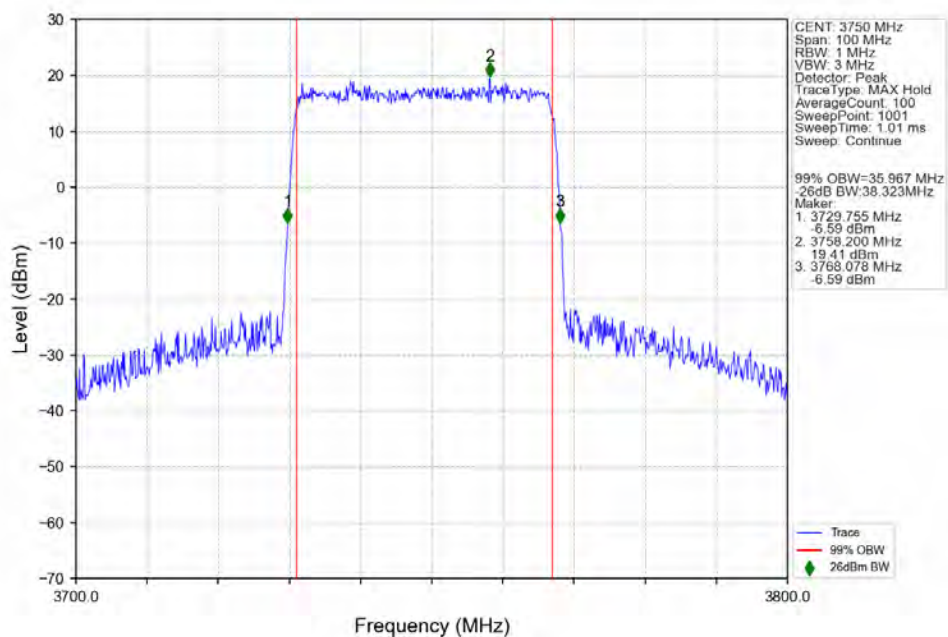
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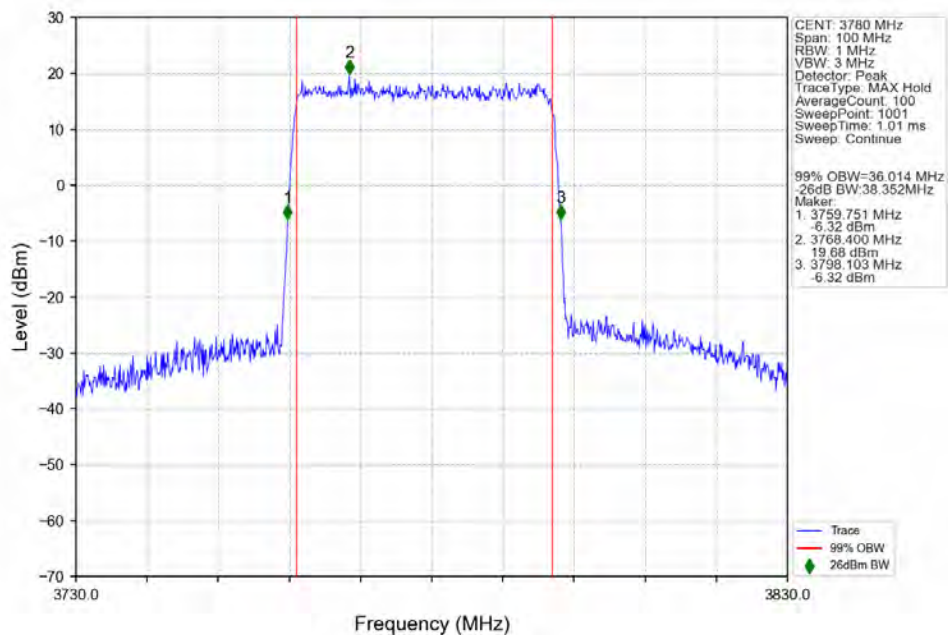
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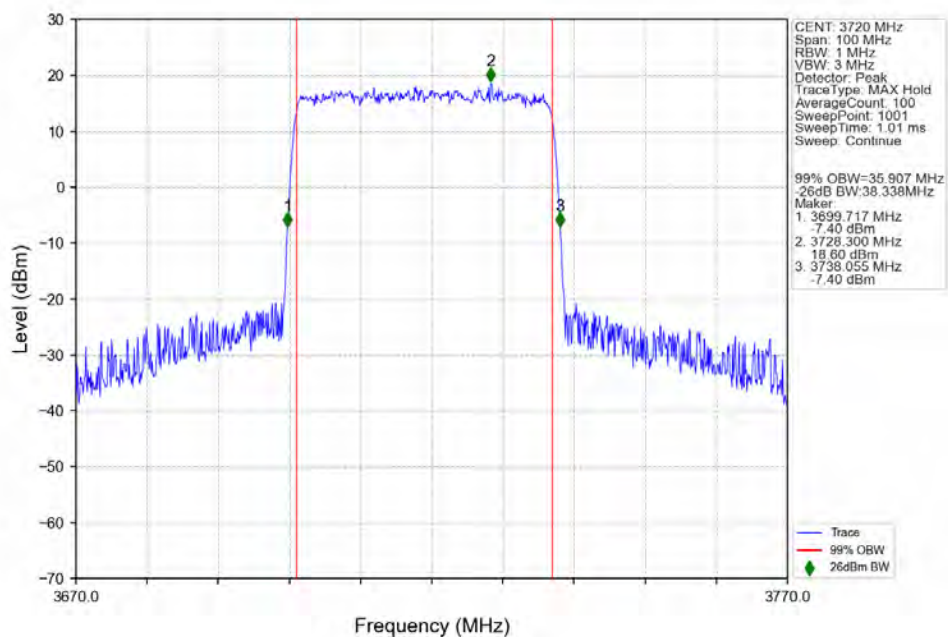
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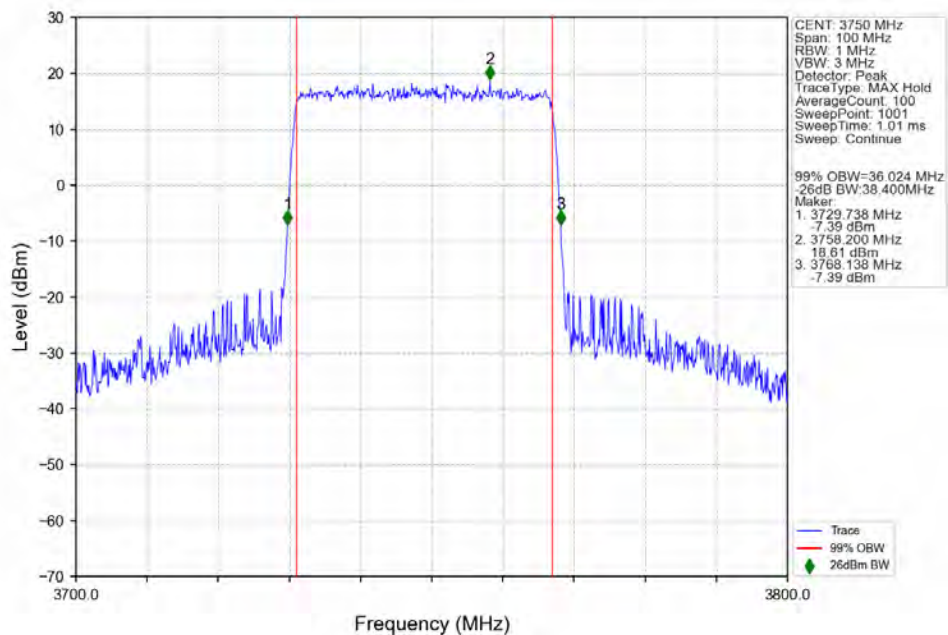
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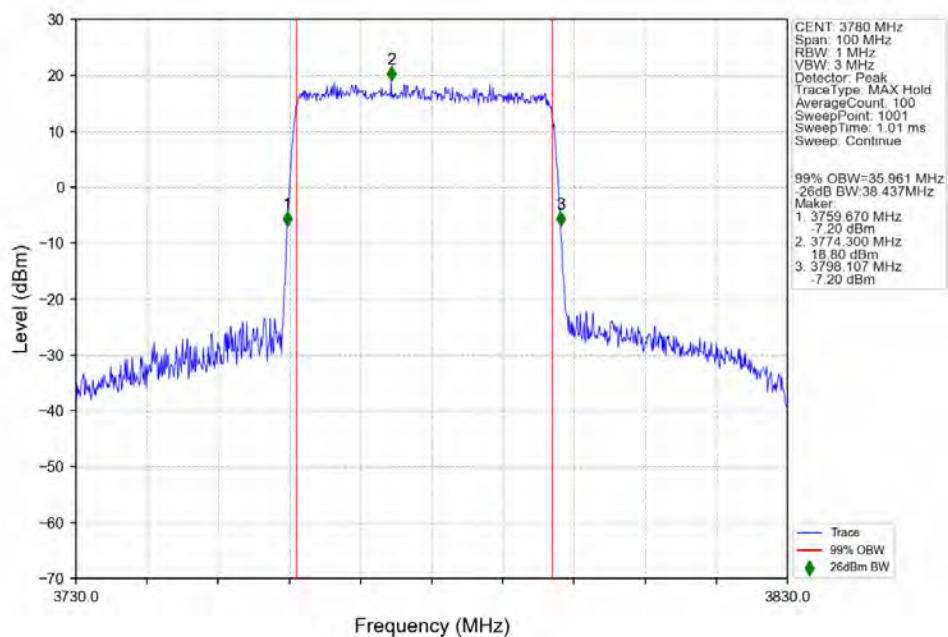
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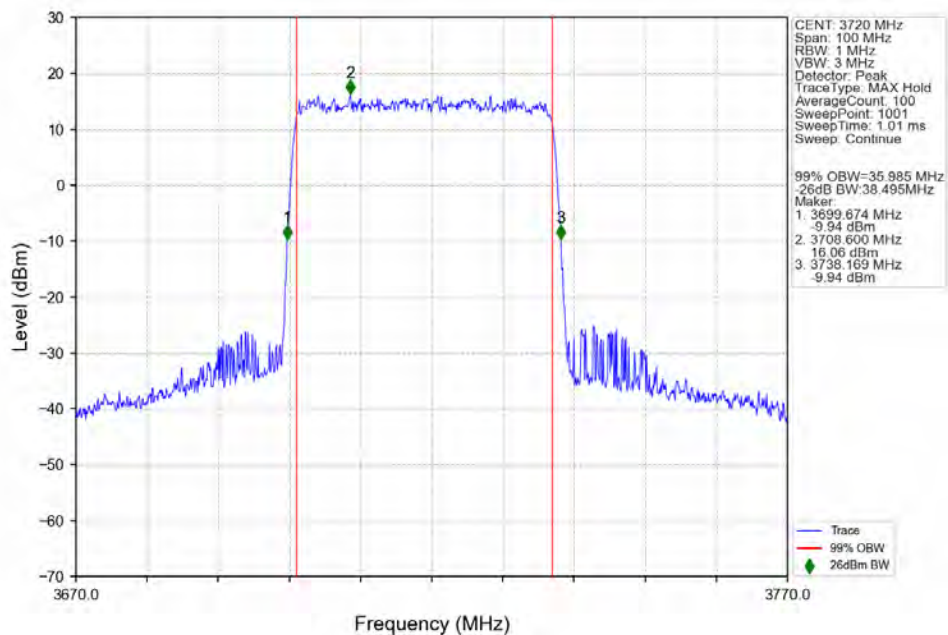
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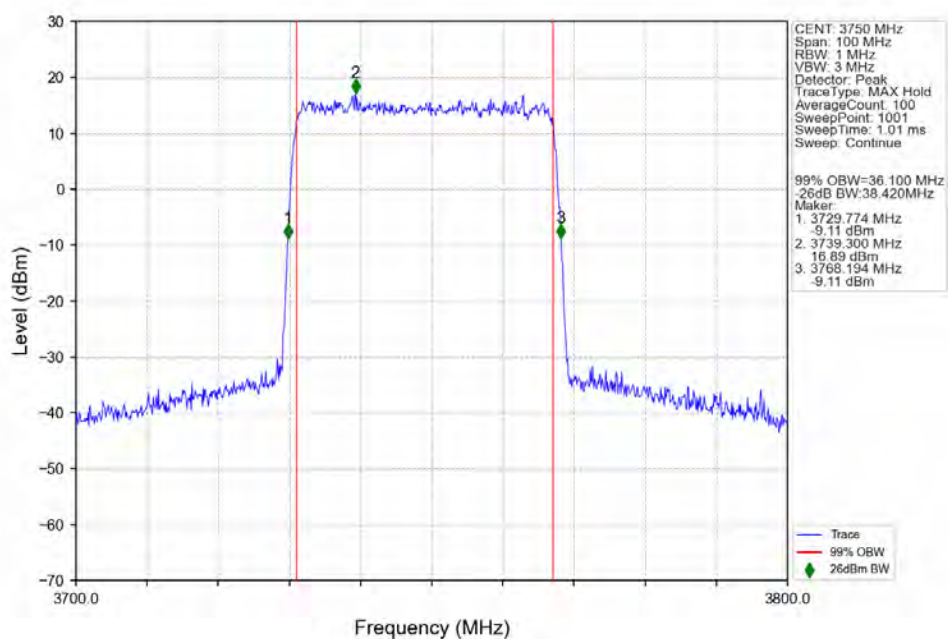
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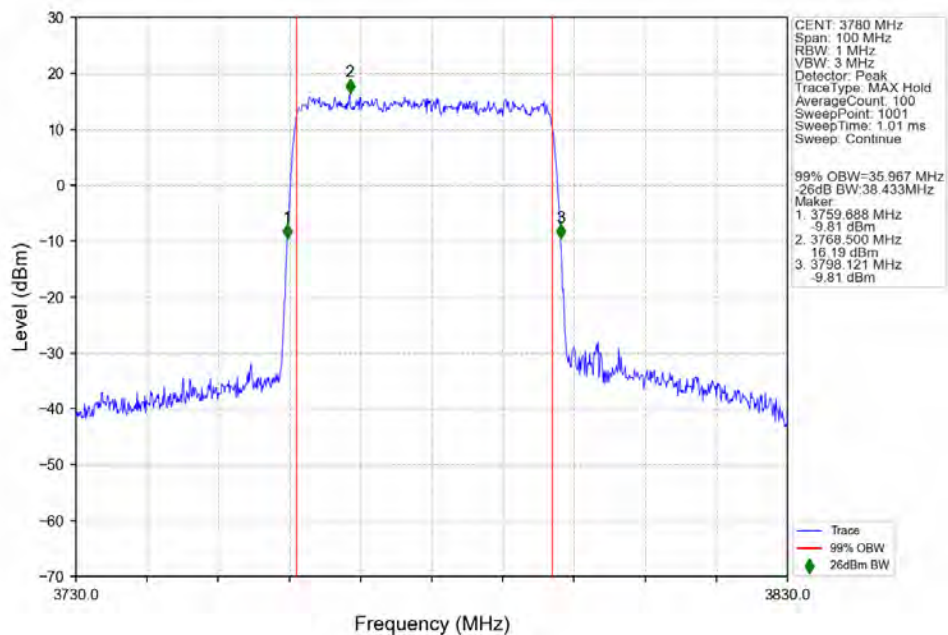
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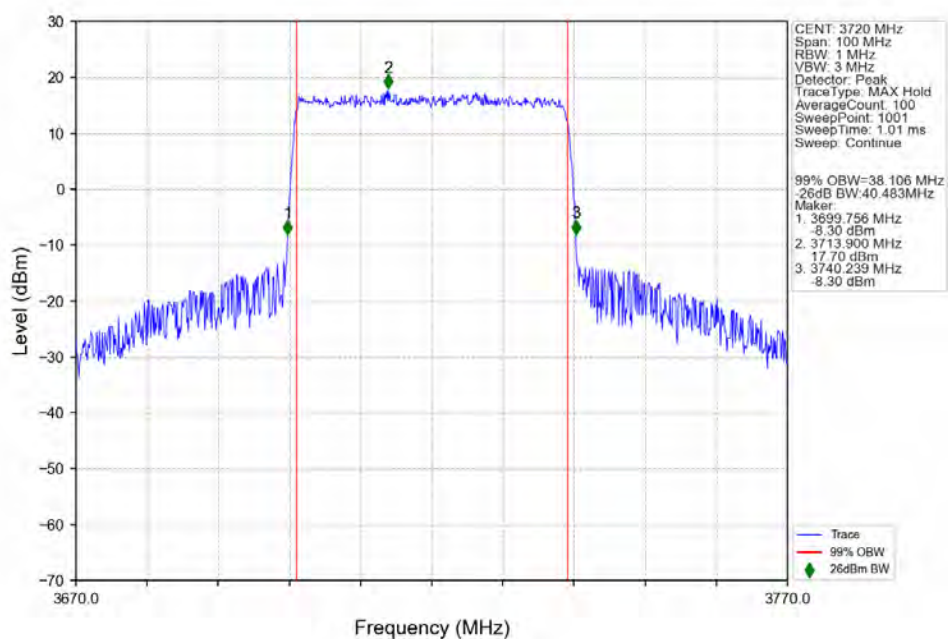
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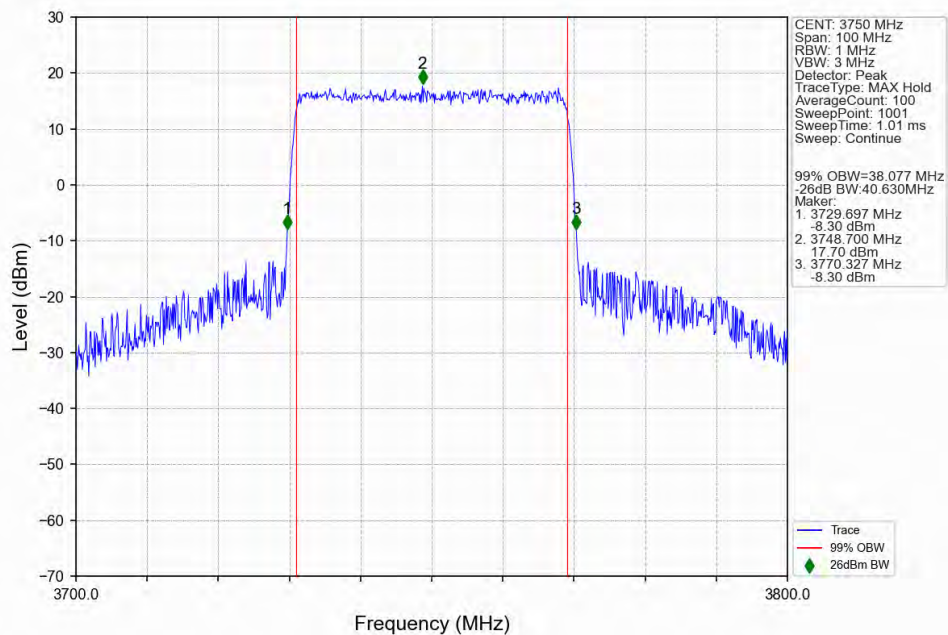
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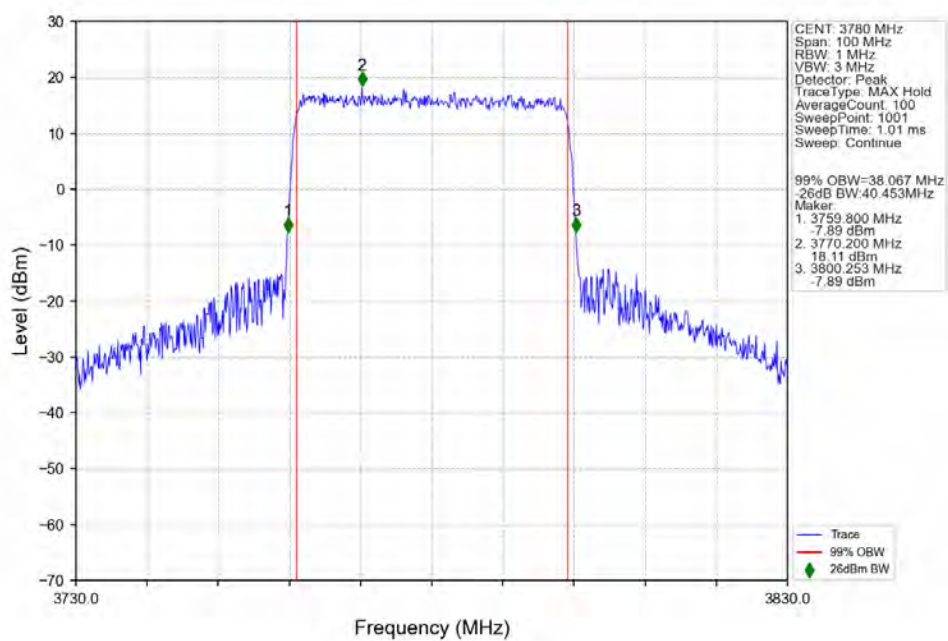
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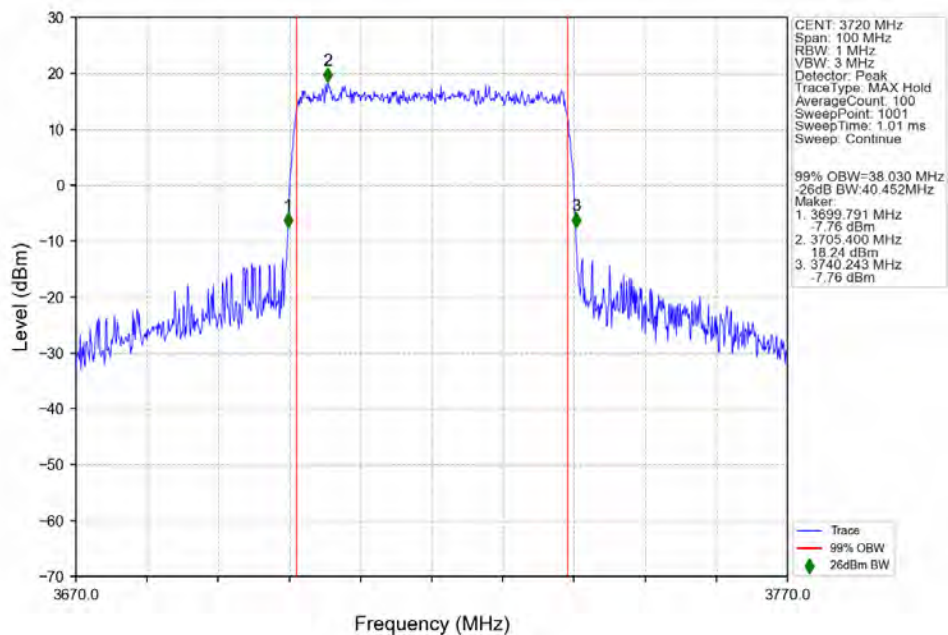
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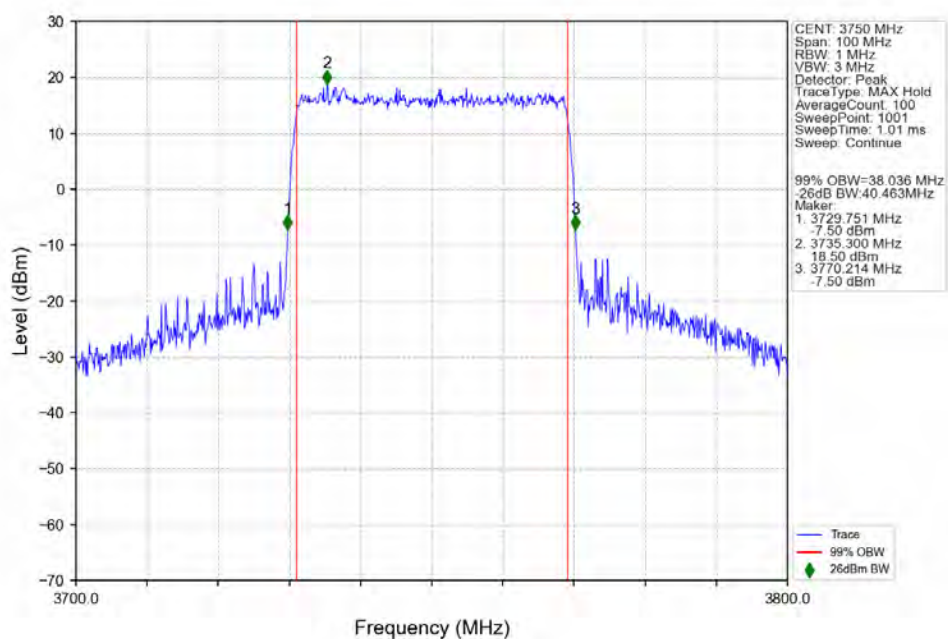
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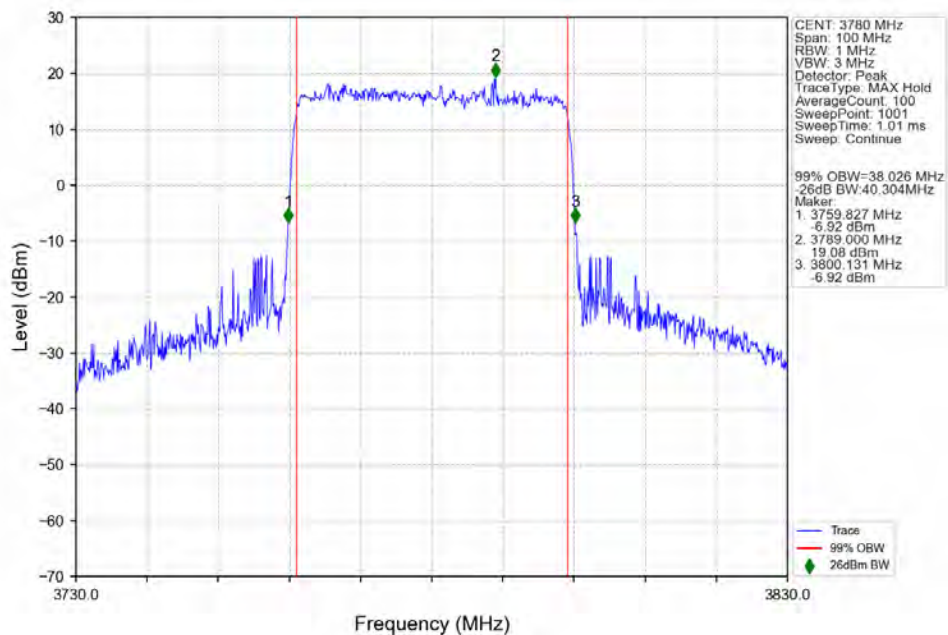
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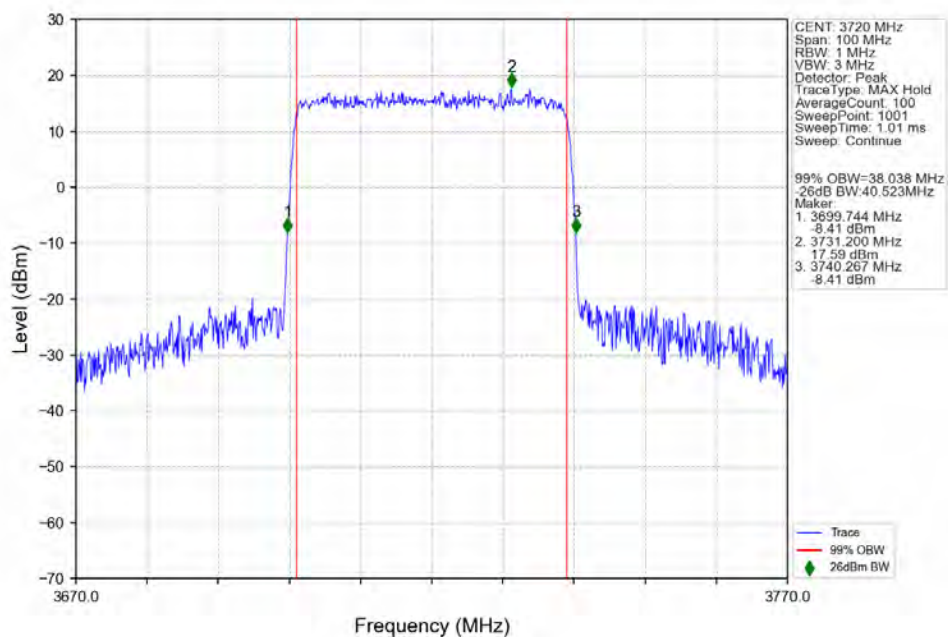
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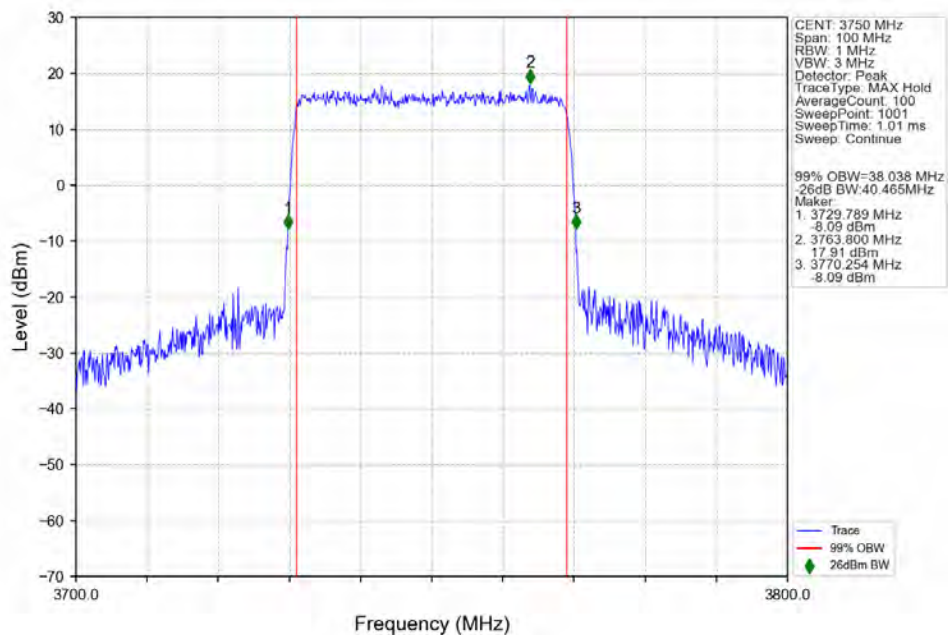
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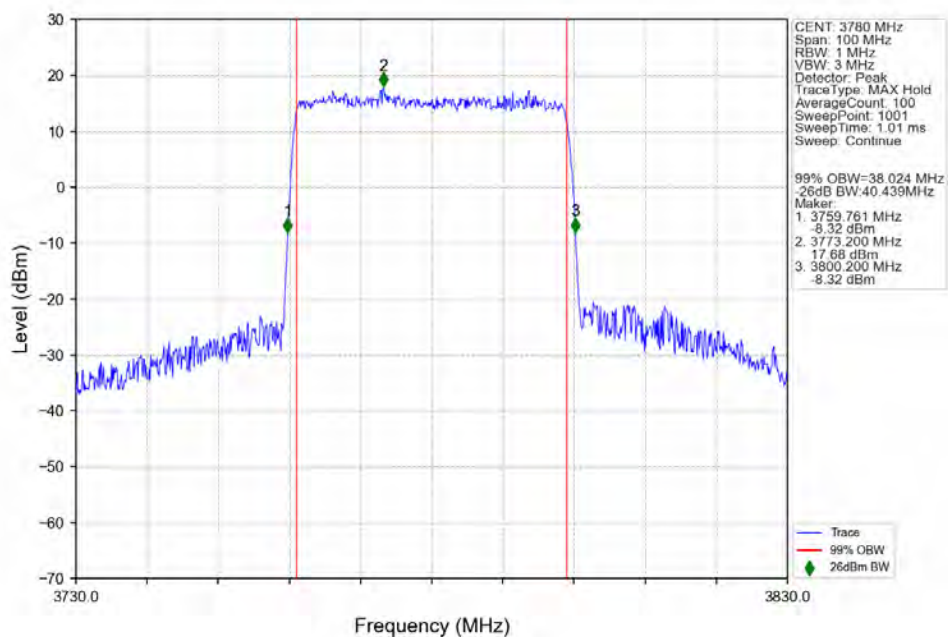
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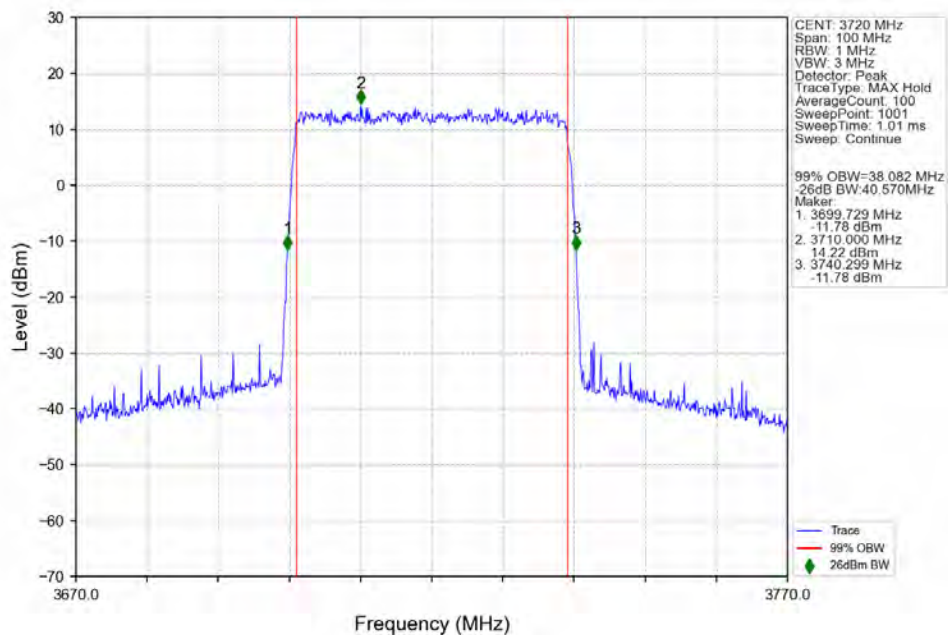
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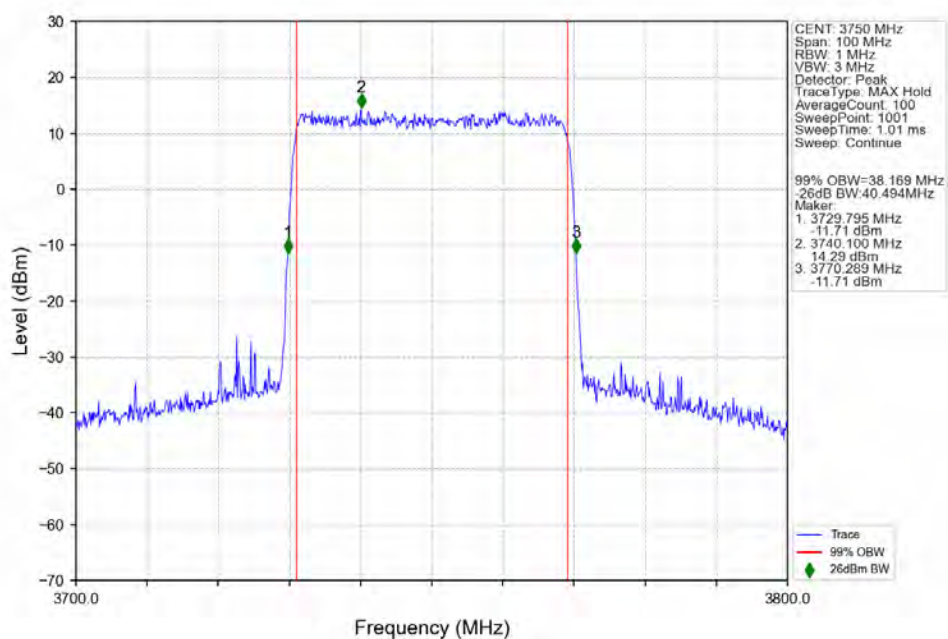
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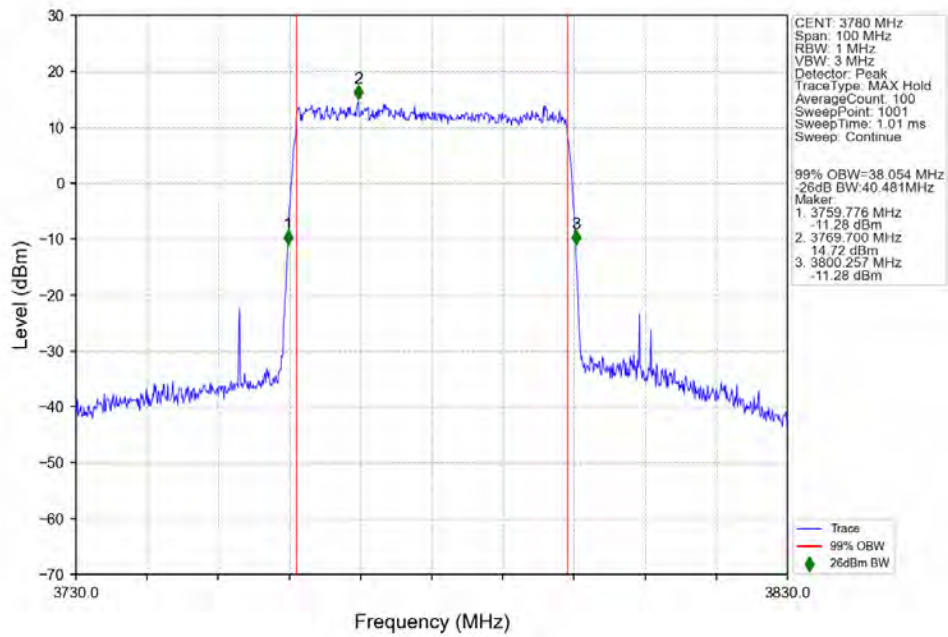
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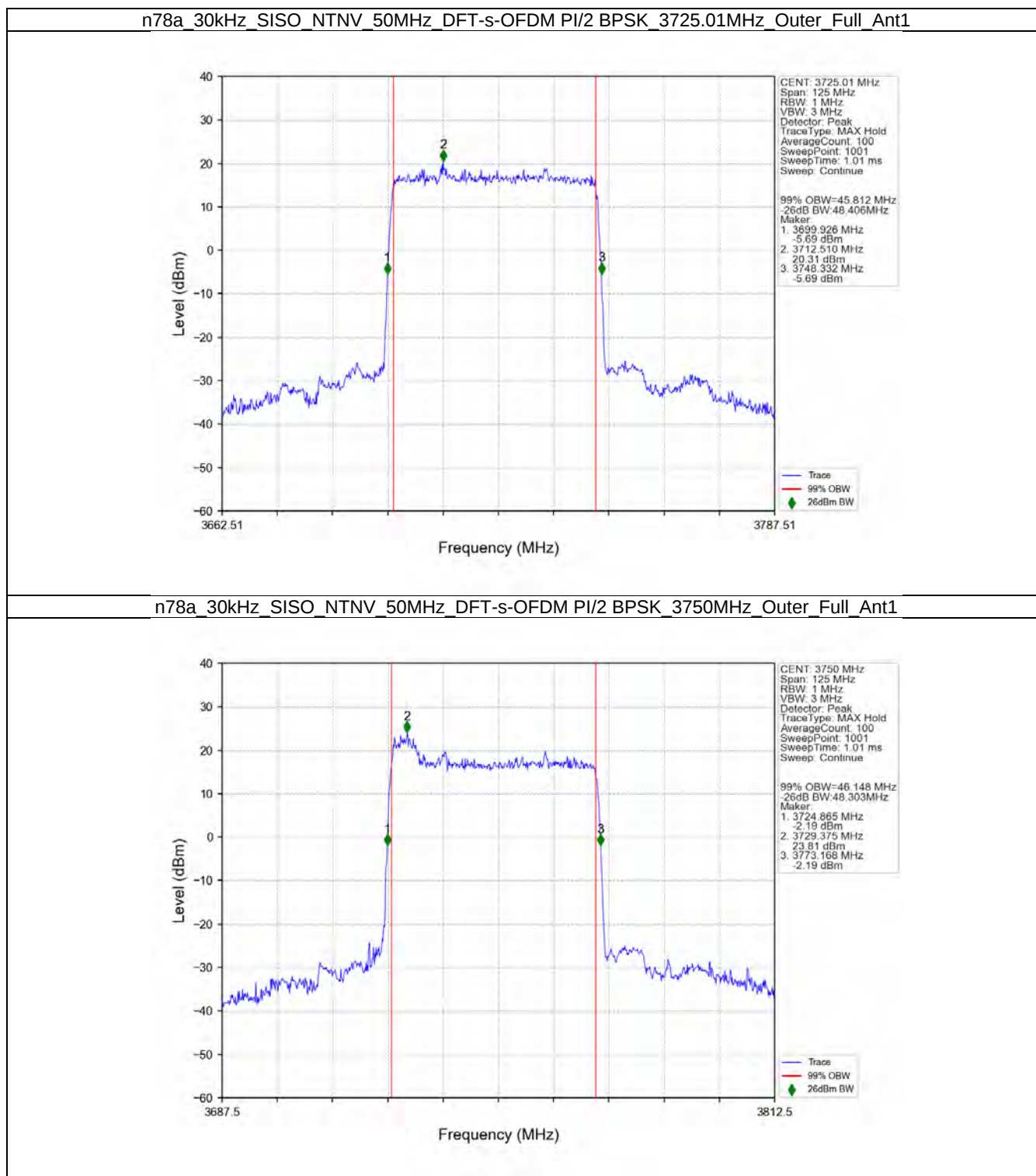
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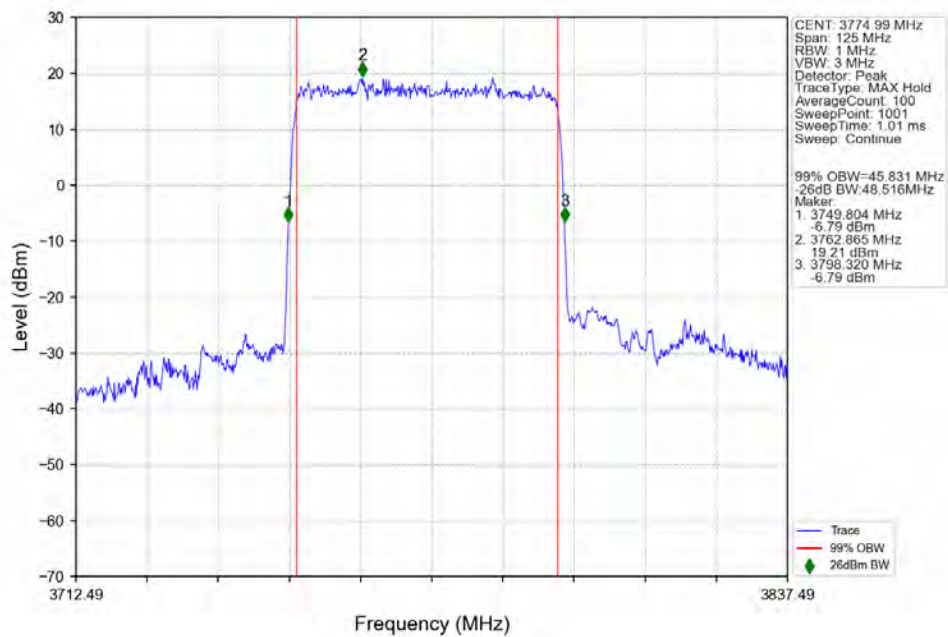
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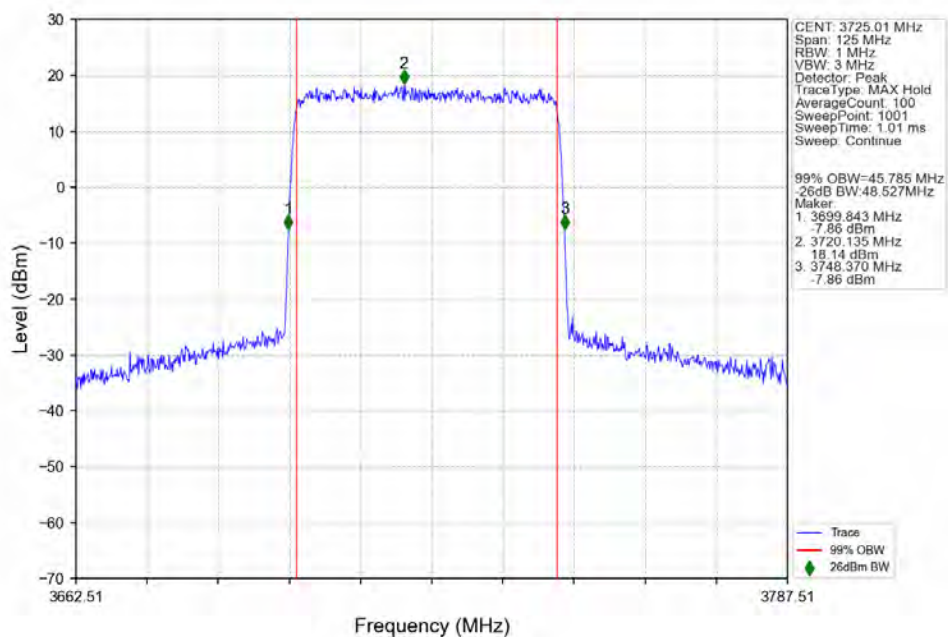
3.2.7 30k_SISO_50MHz_NTNV



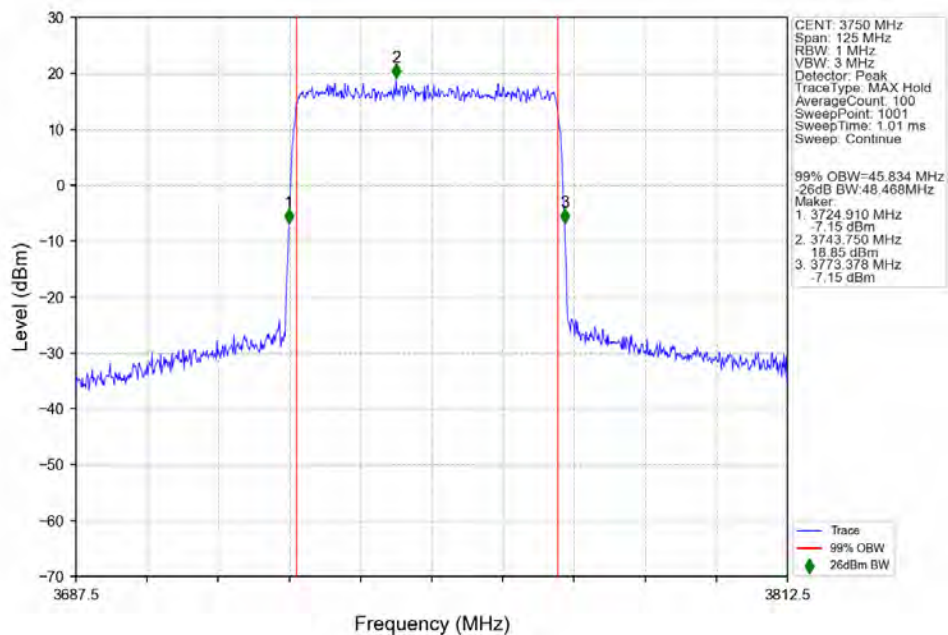
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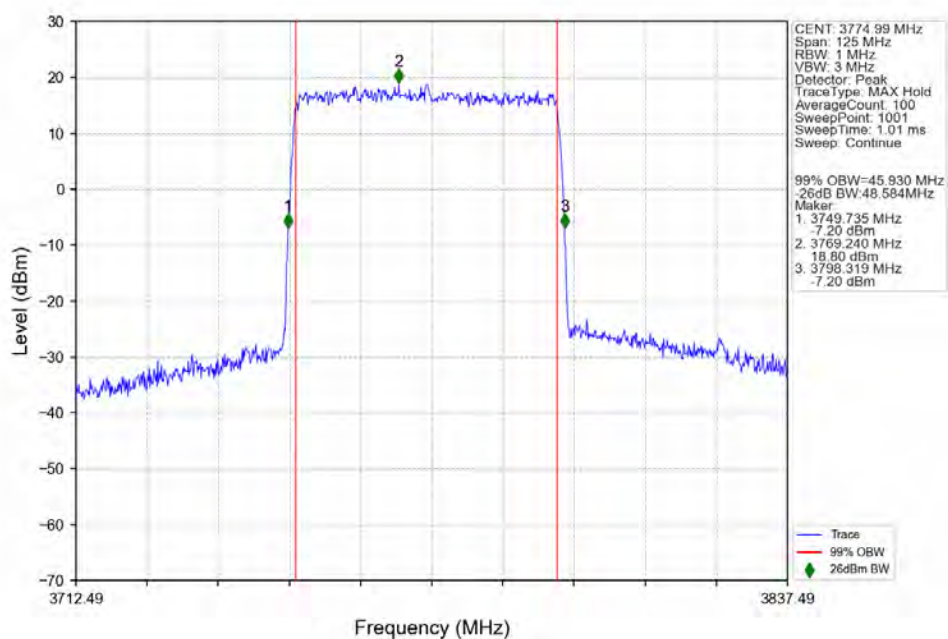
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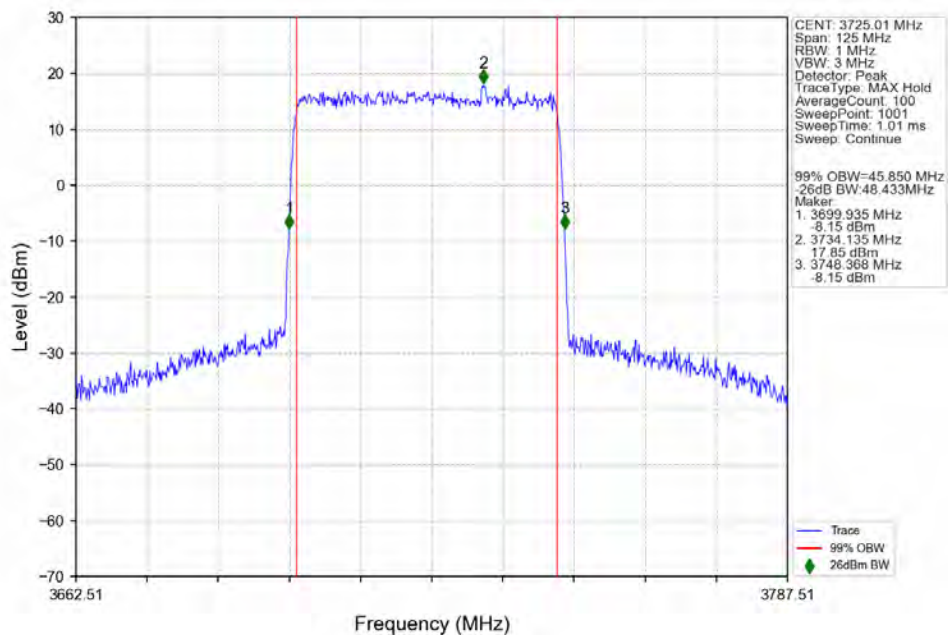
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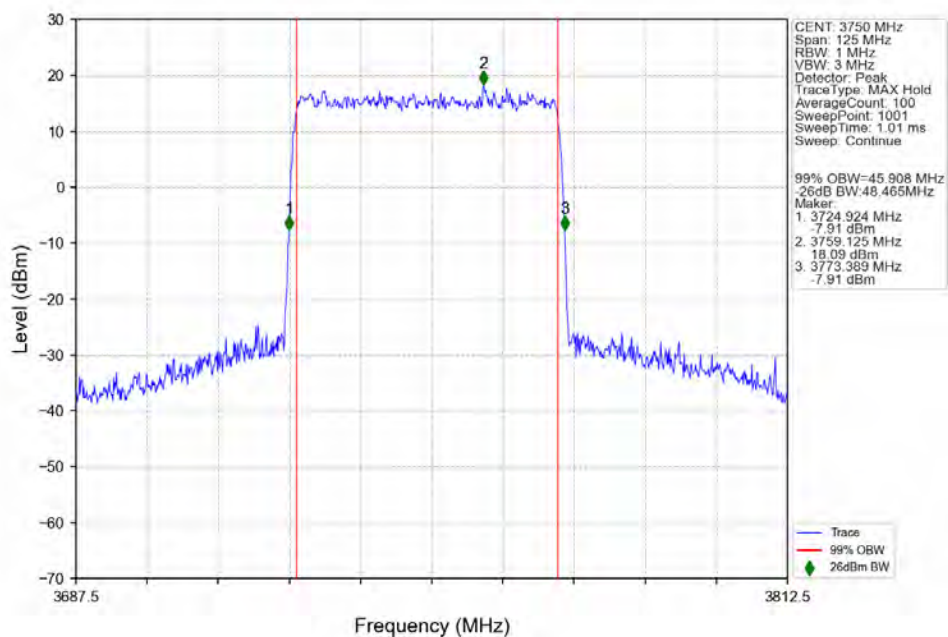
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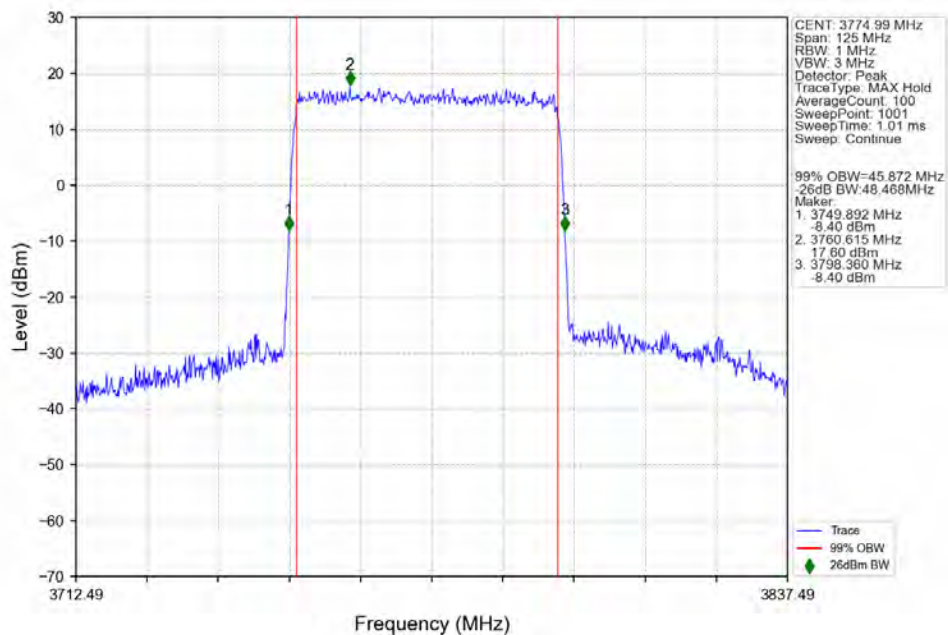
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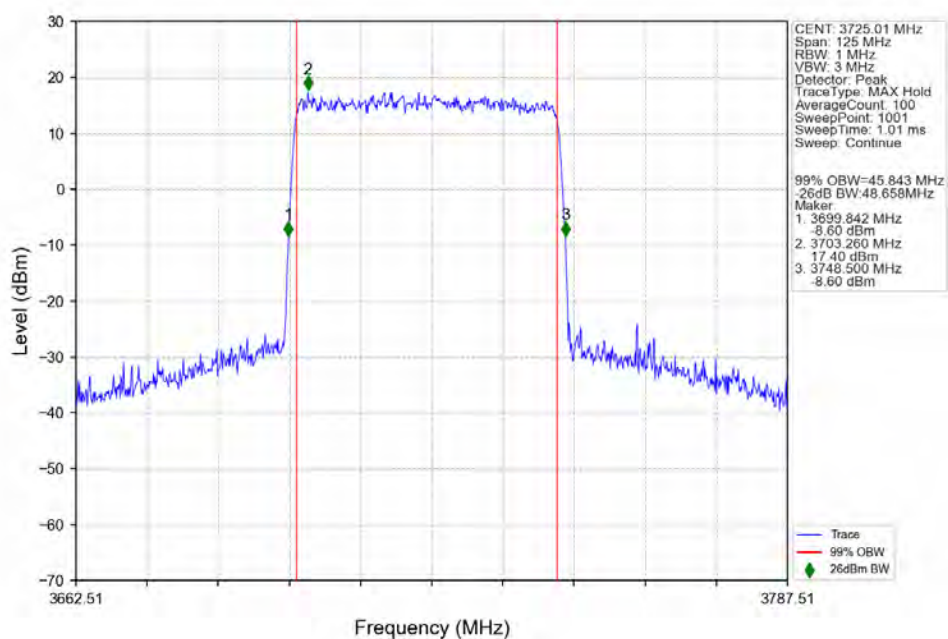
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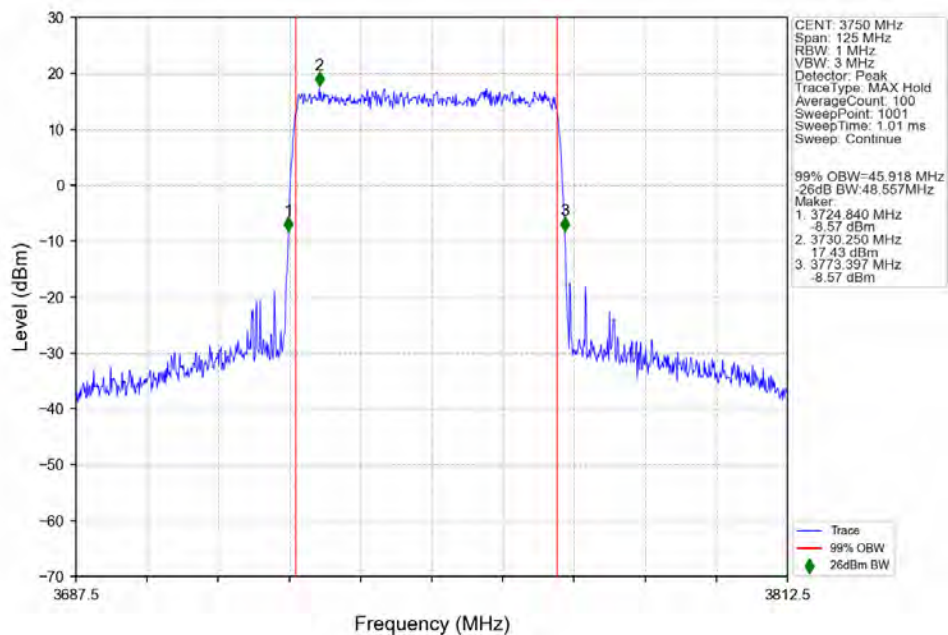
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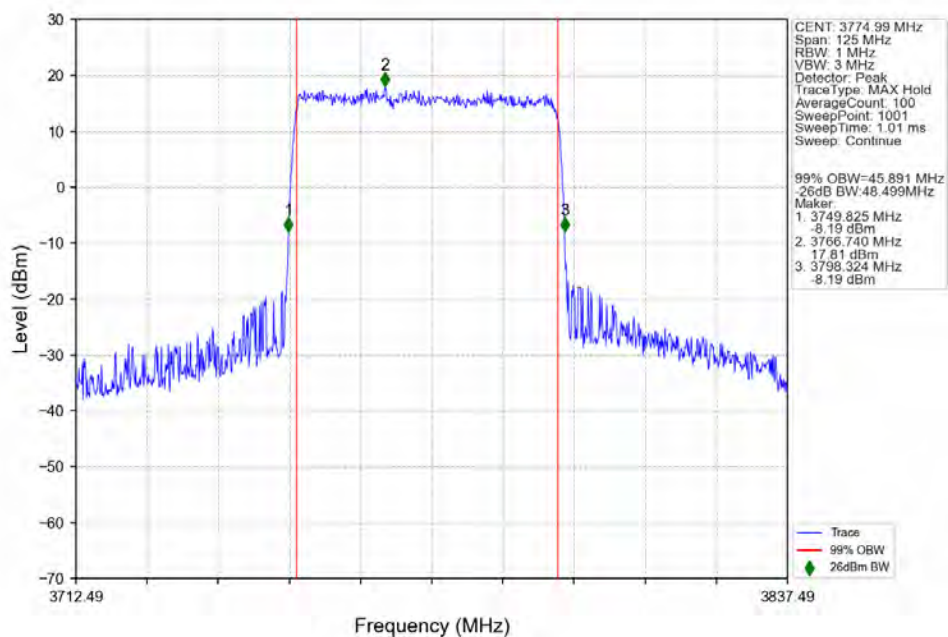
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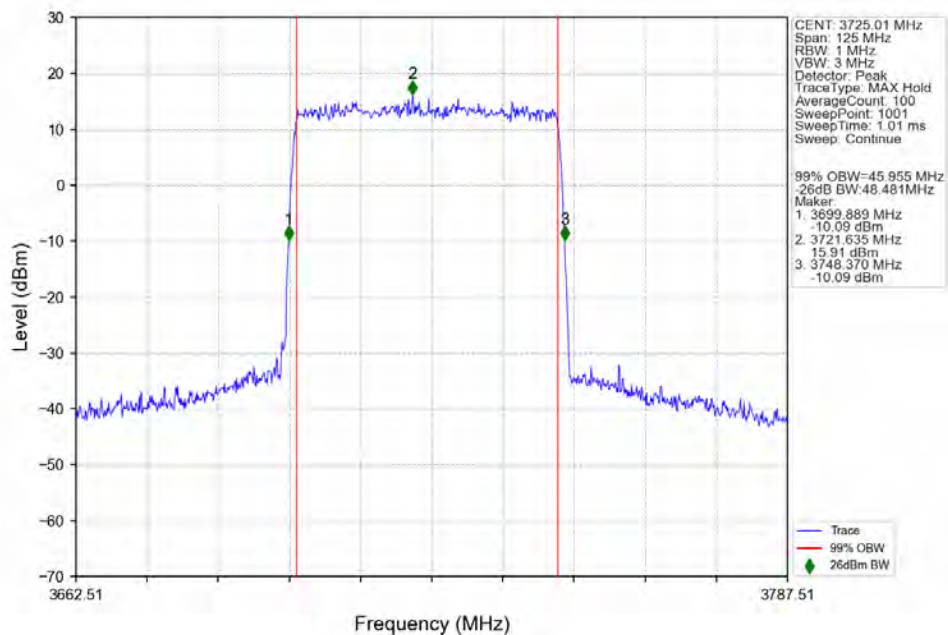
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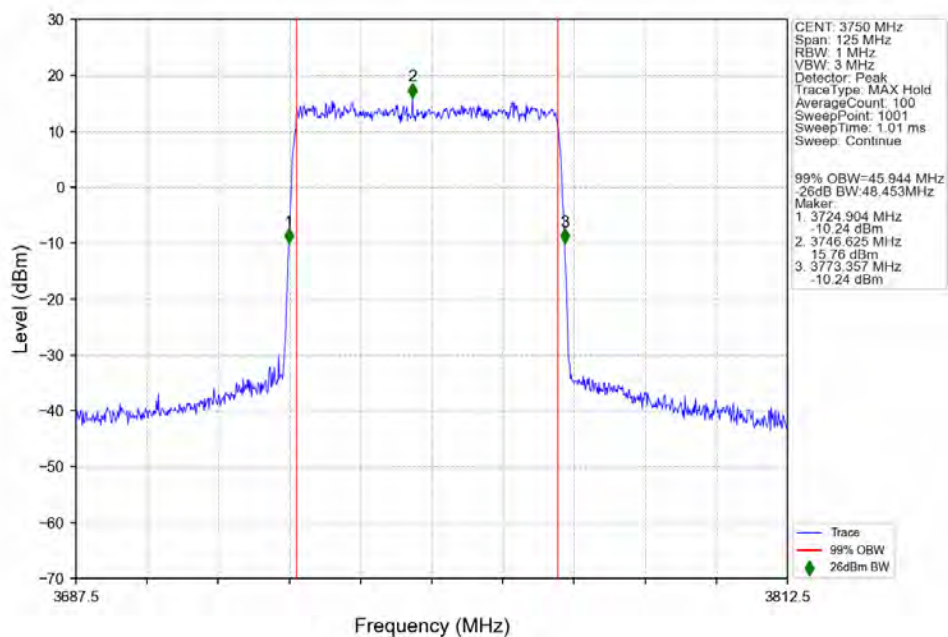
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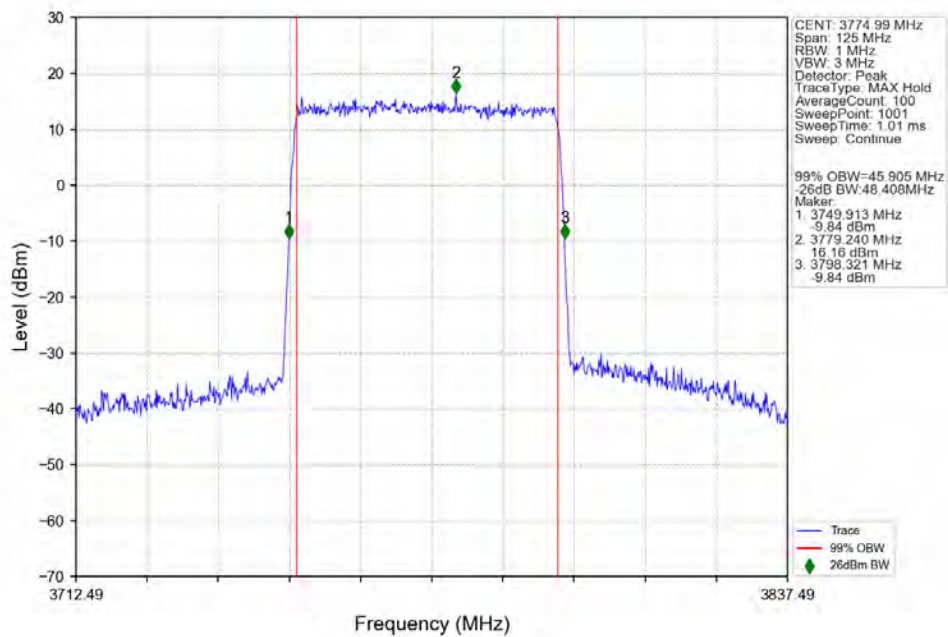
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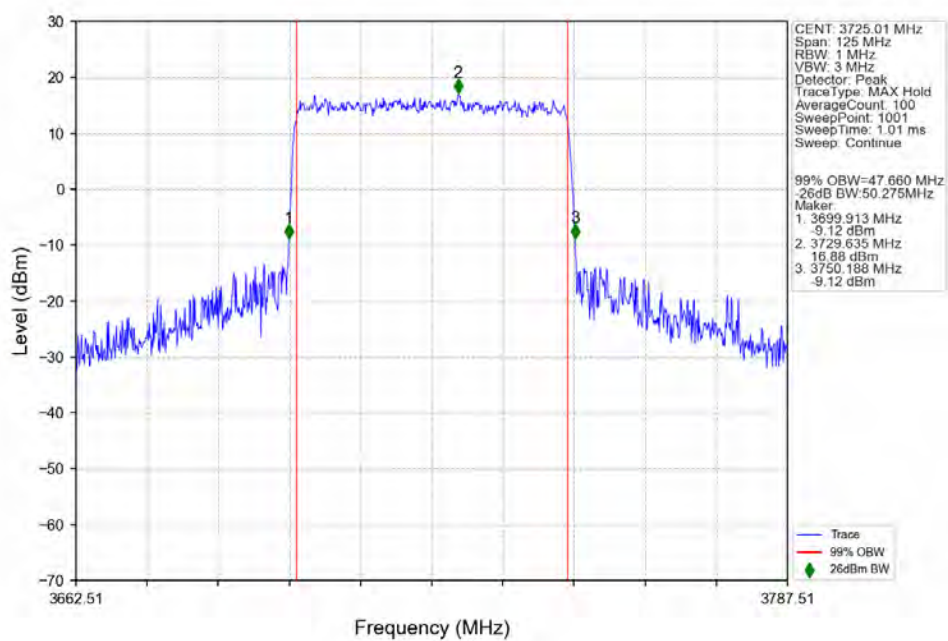
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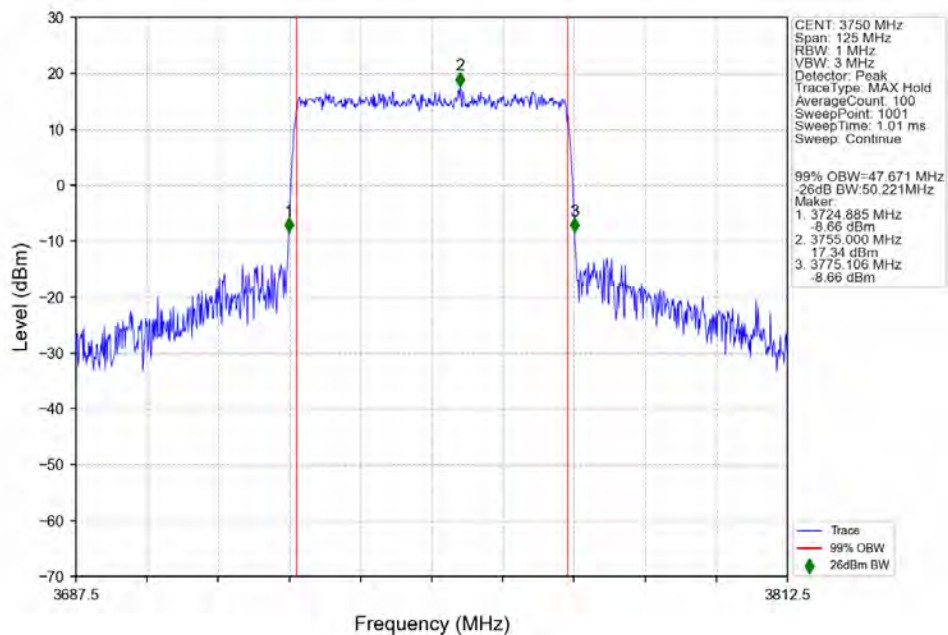
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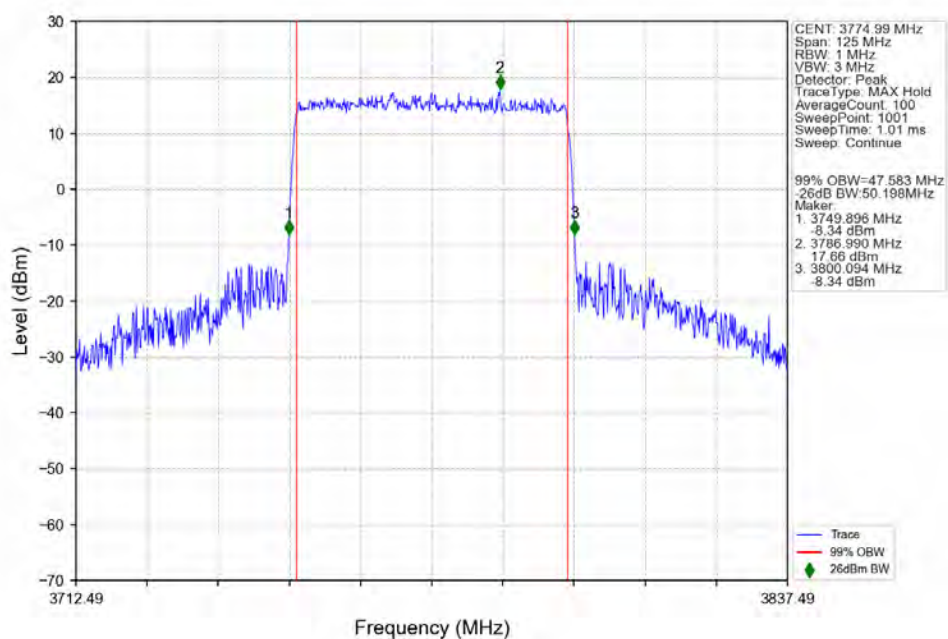
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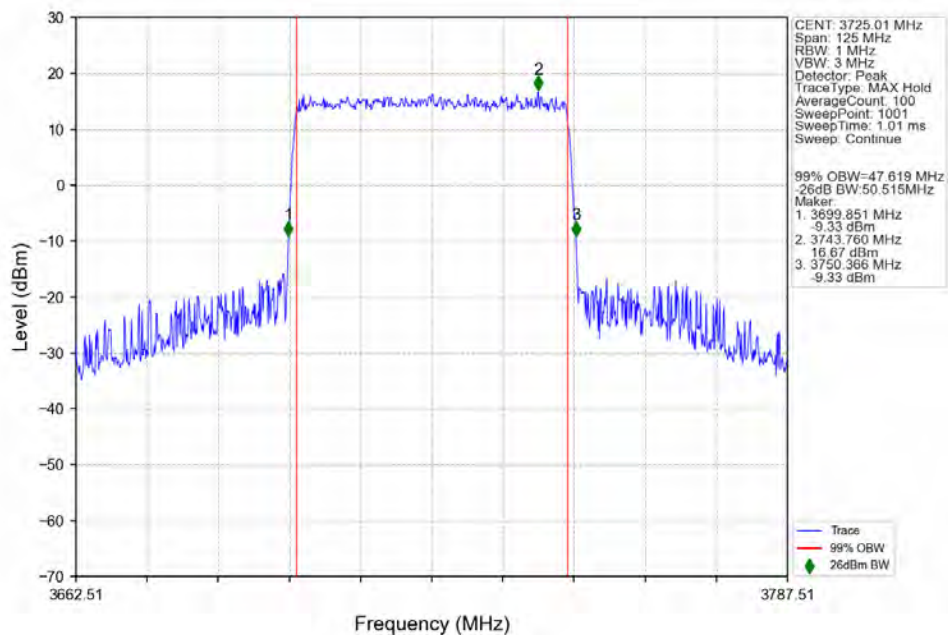
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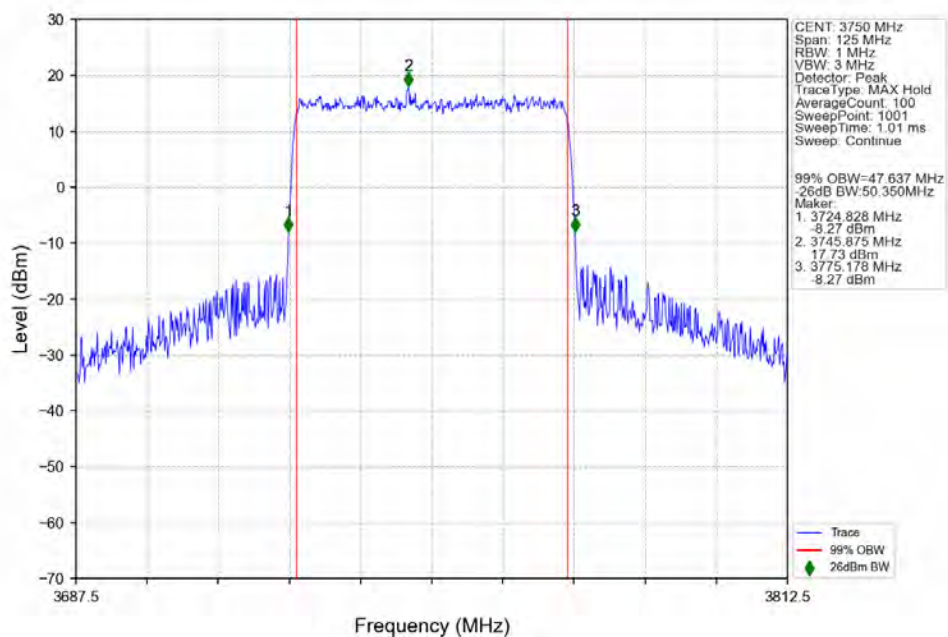
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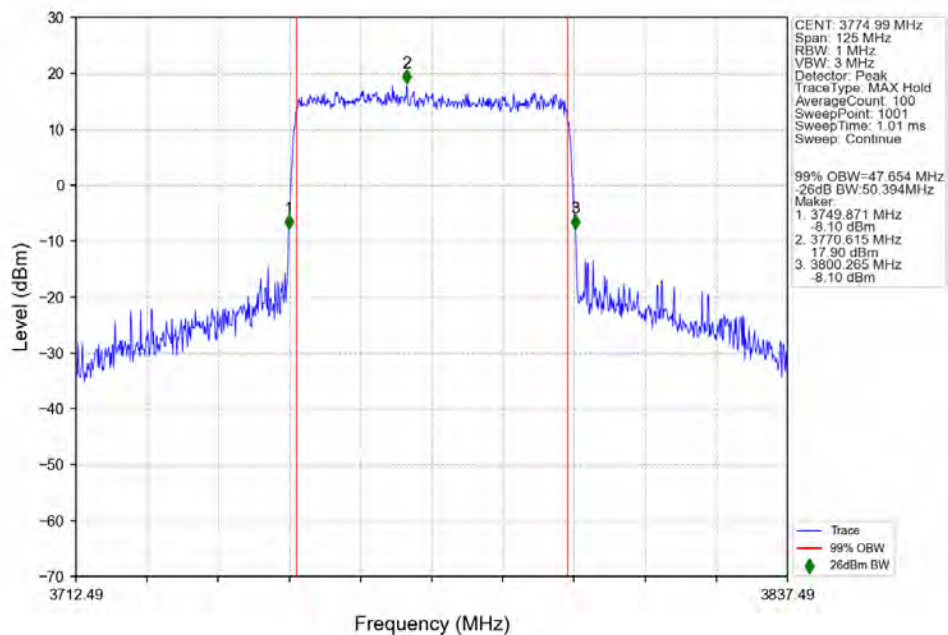
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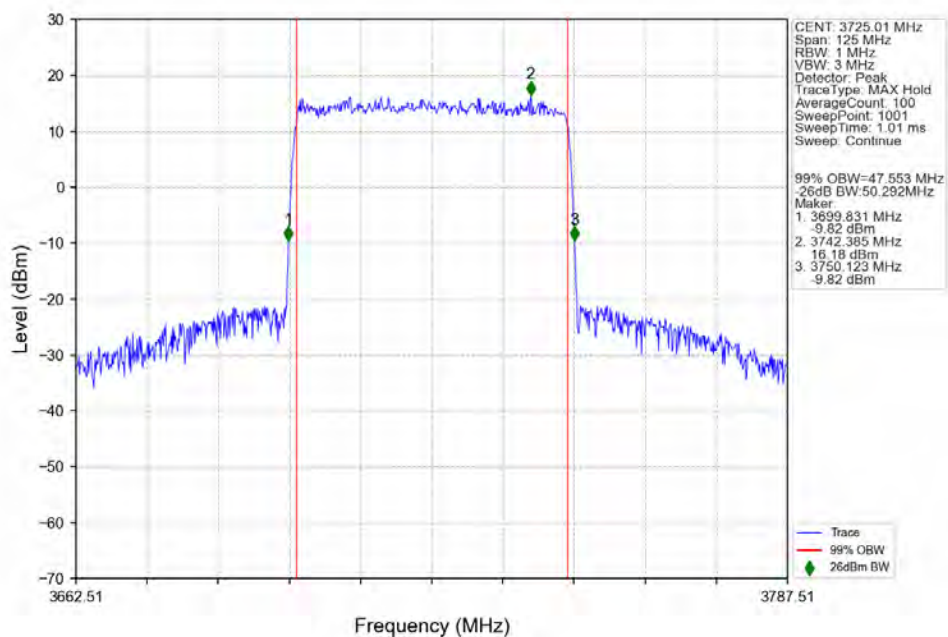
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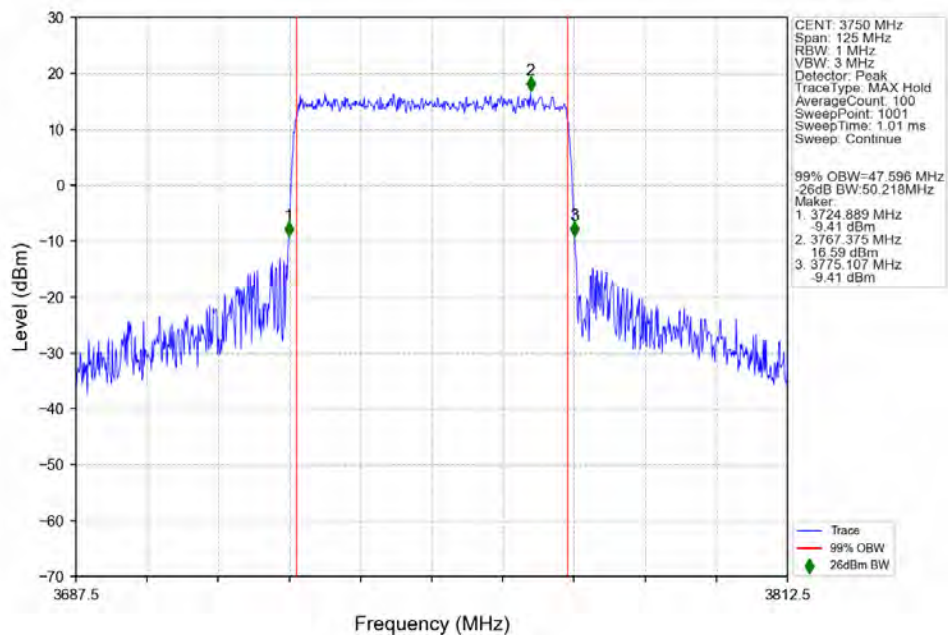
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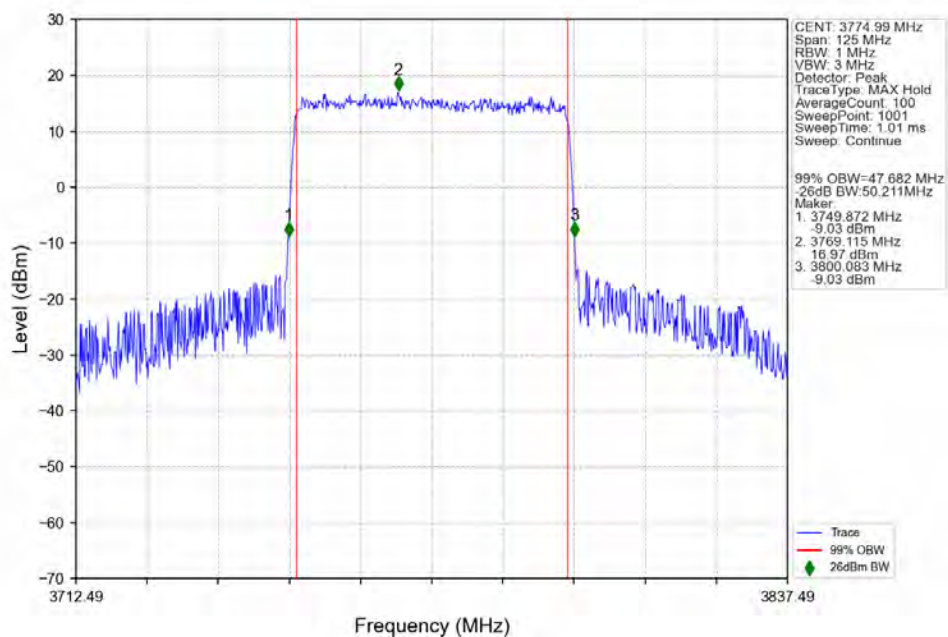
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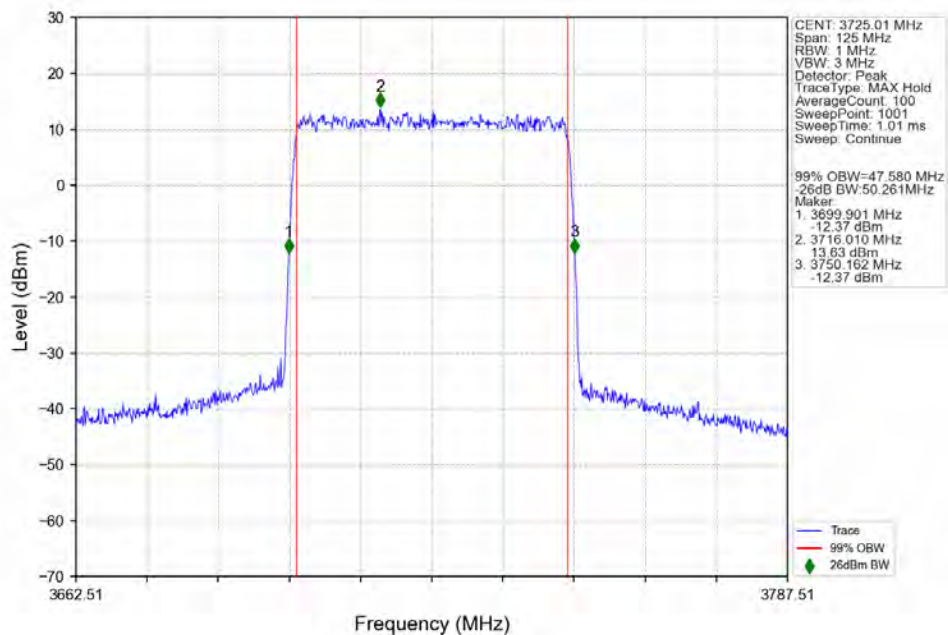
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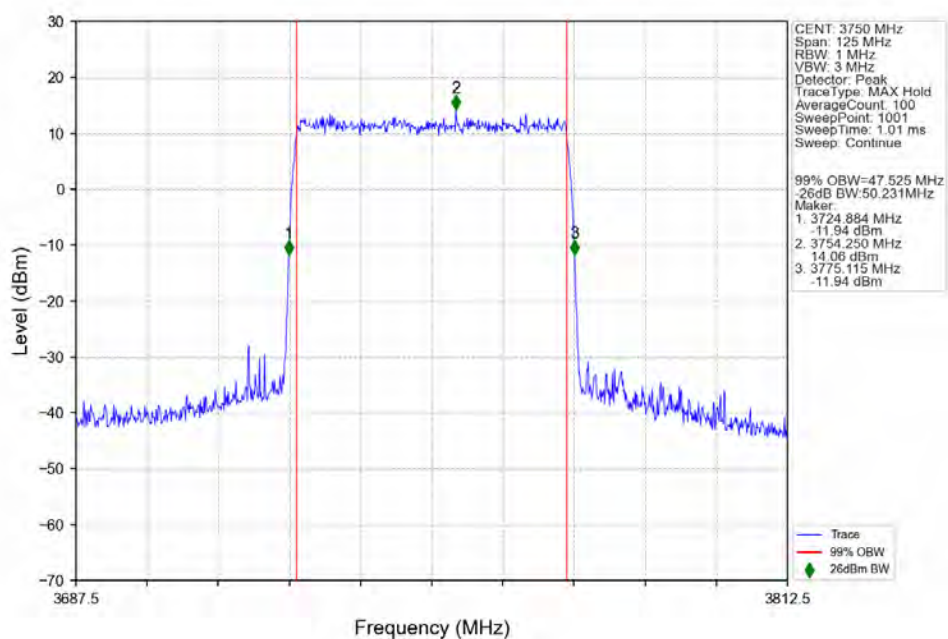
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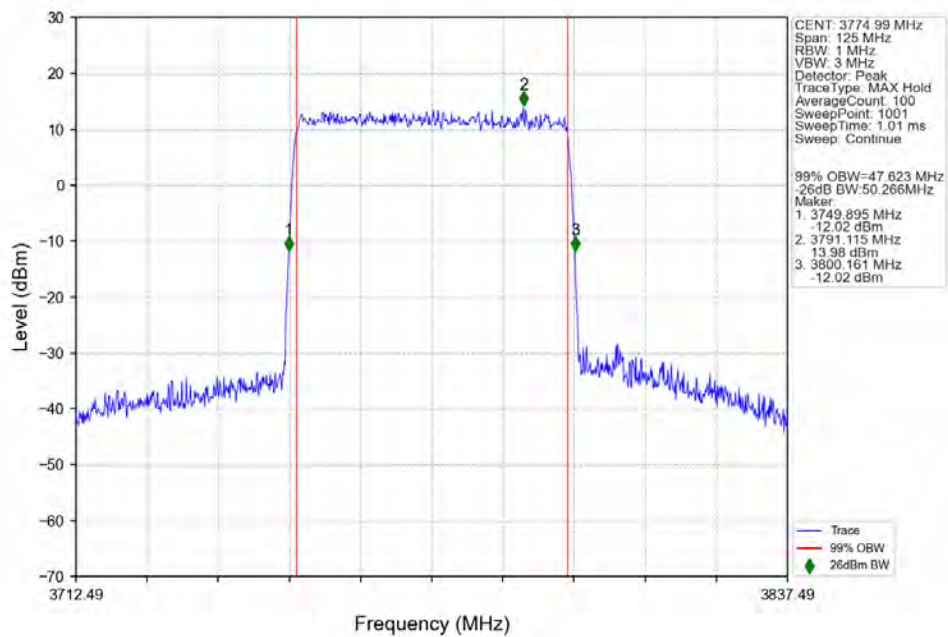
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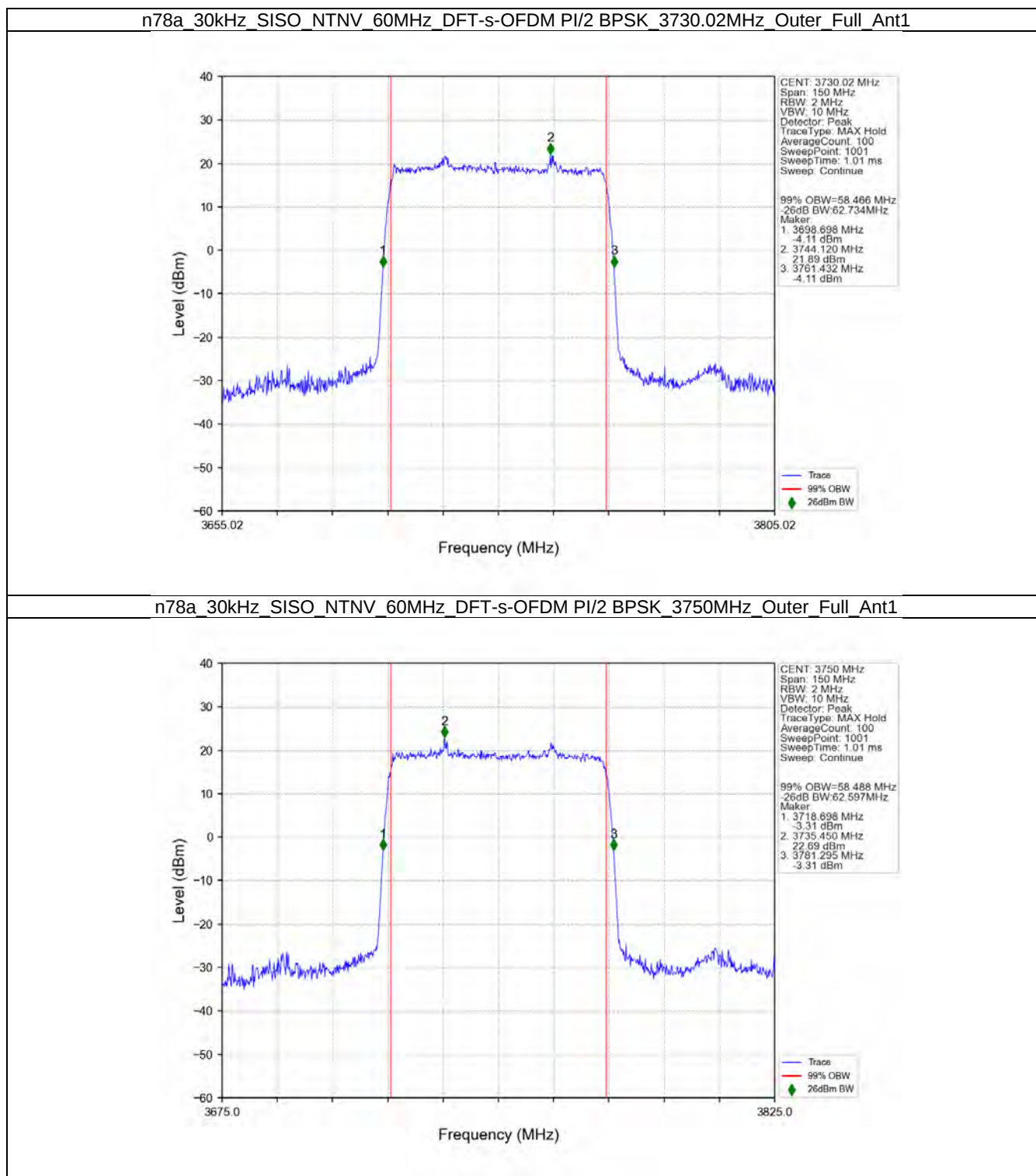
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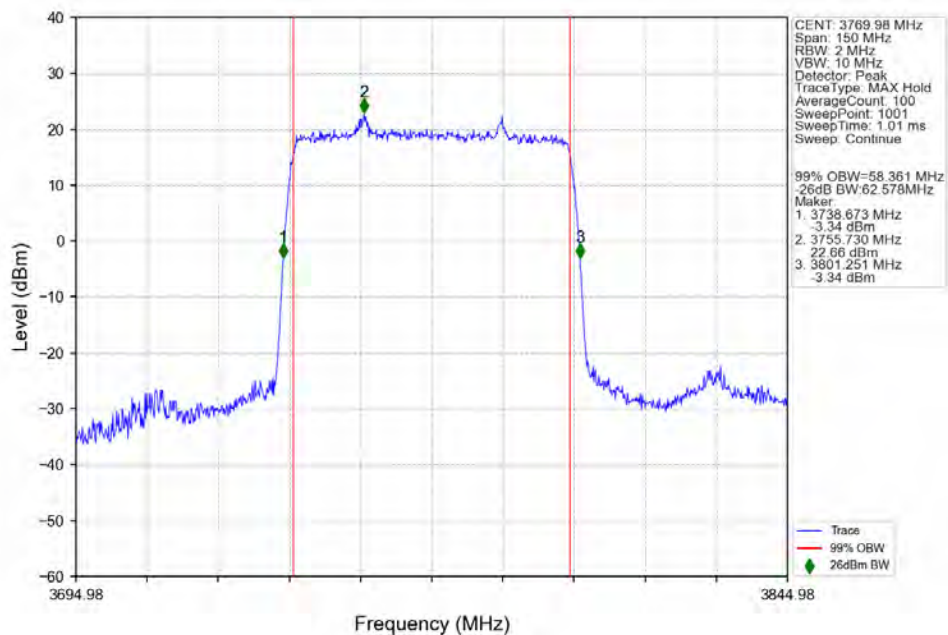
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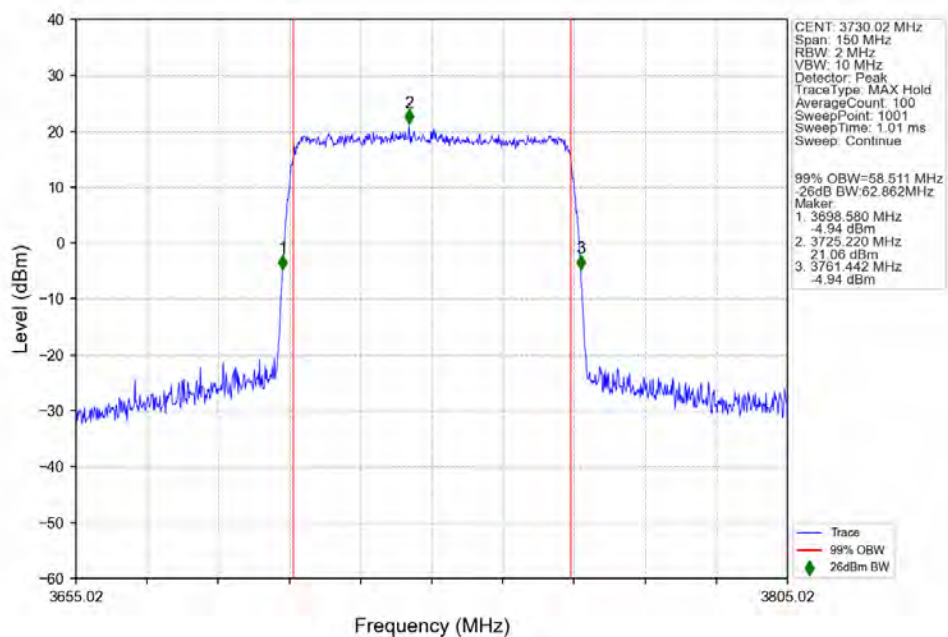
3.2.8 30k_SISO_60MHz_NTNV



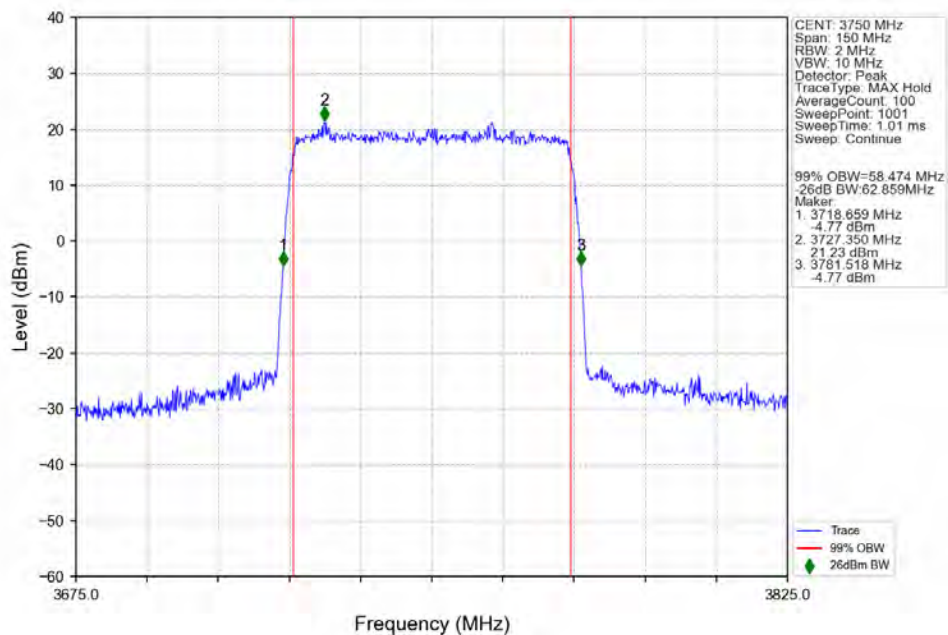
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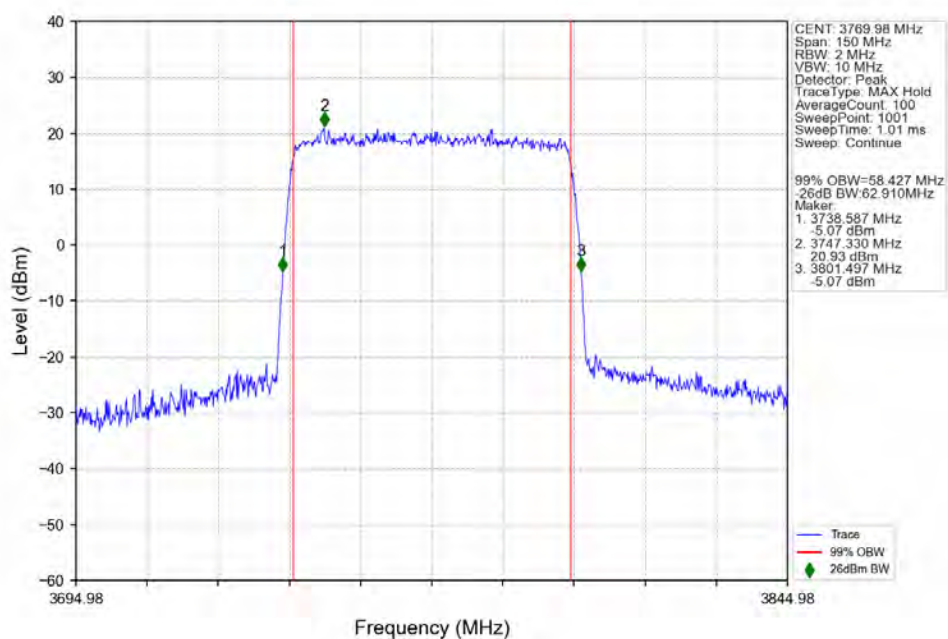
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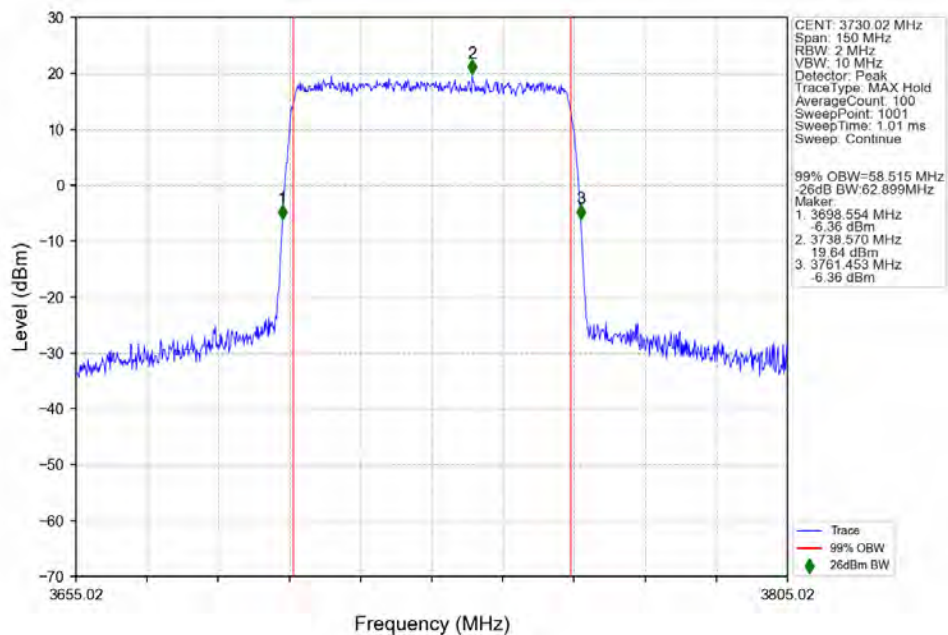
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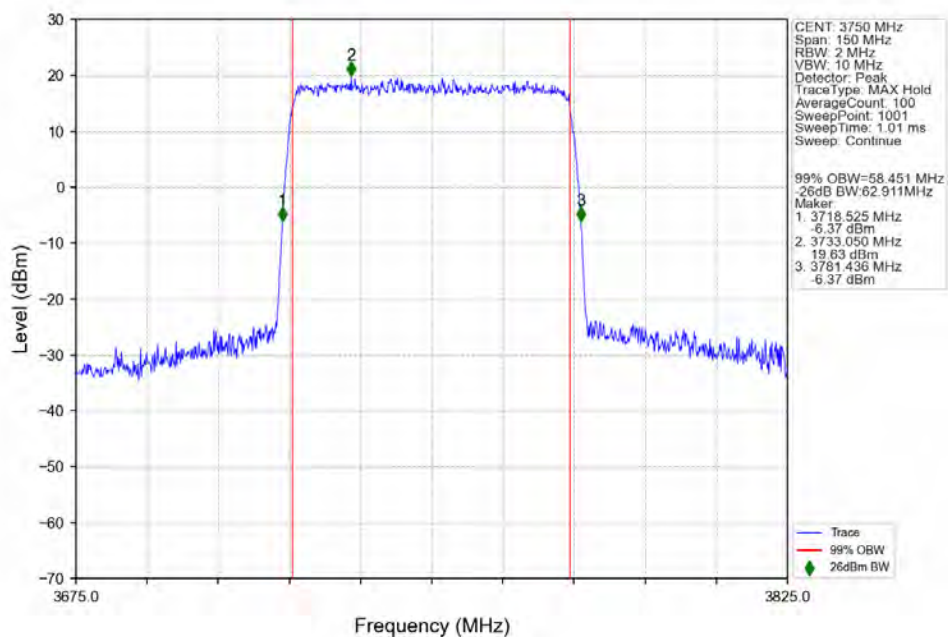
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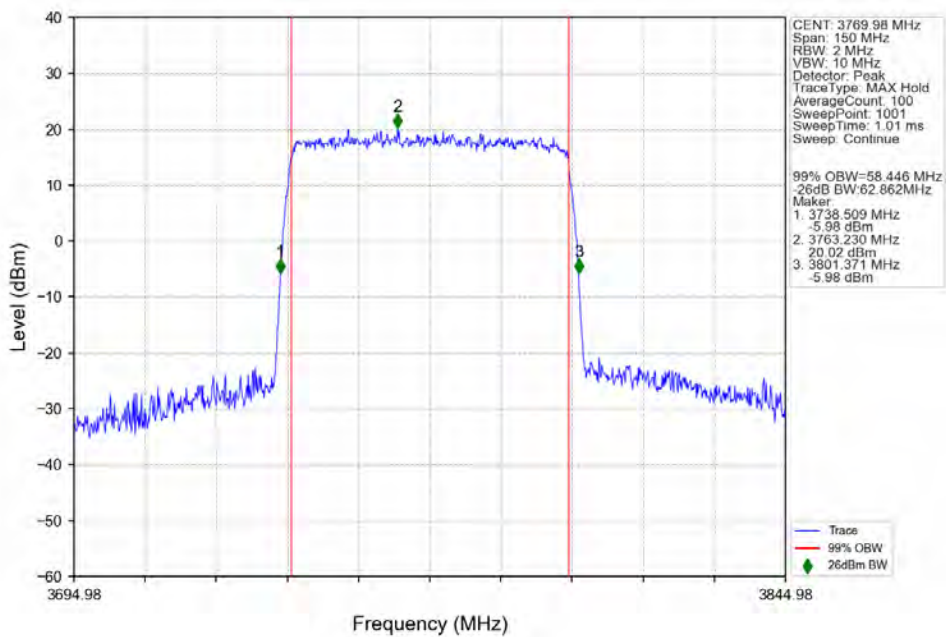
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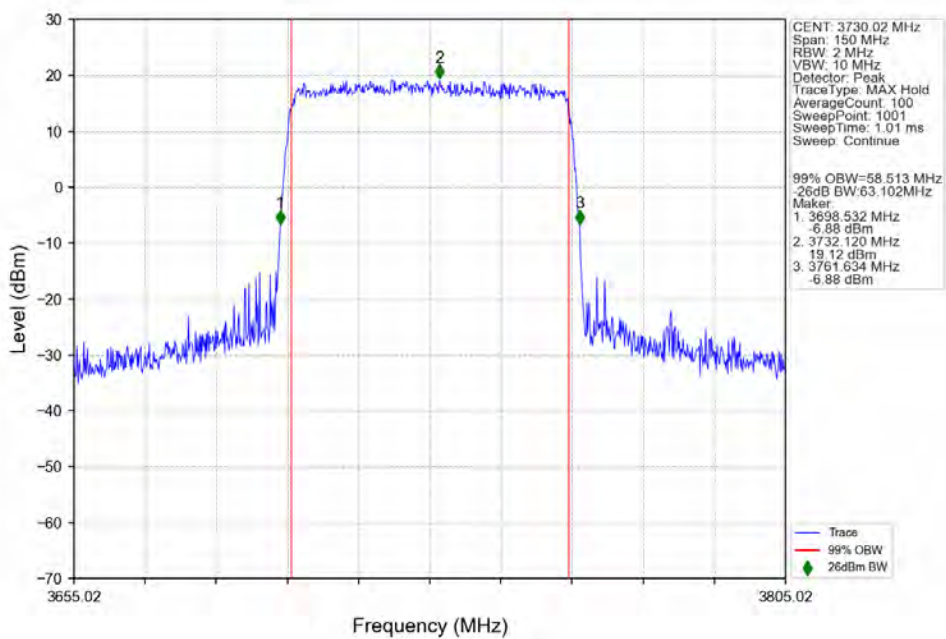
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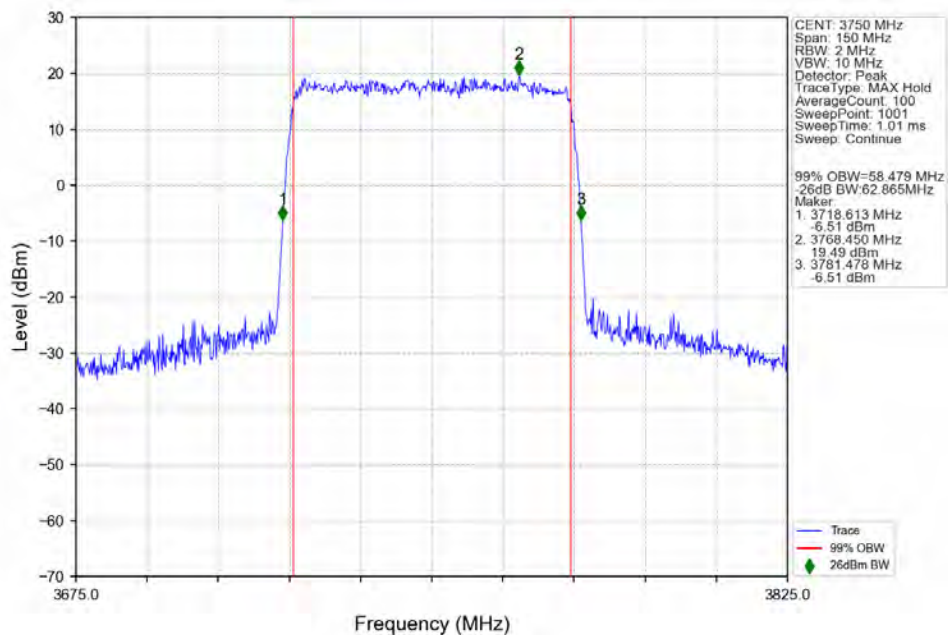
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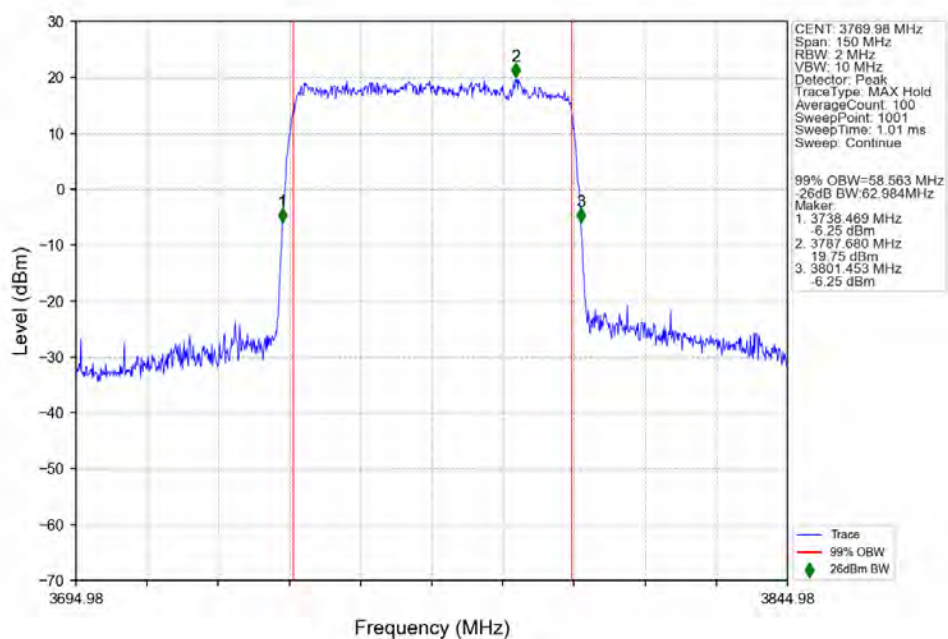
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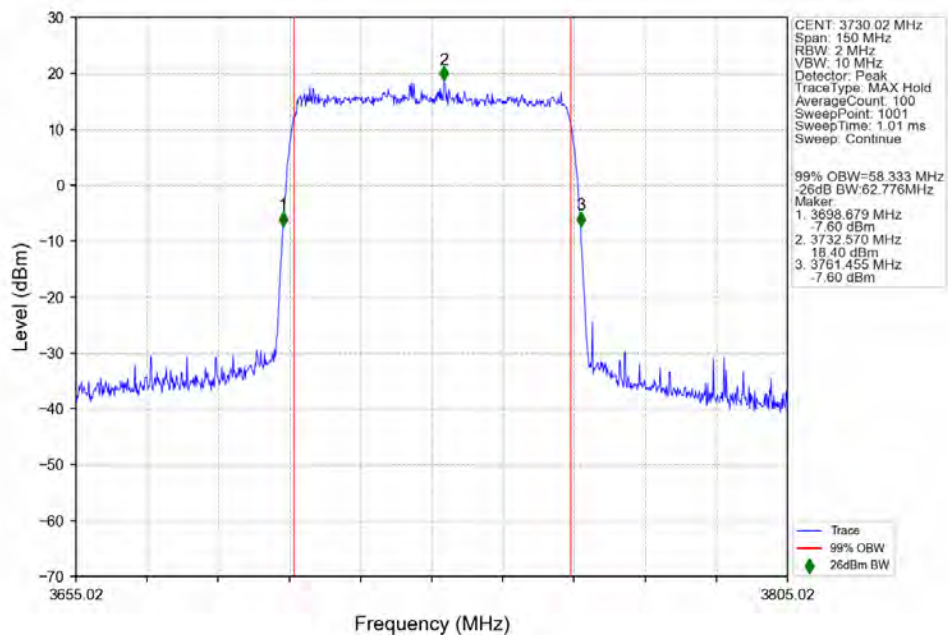
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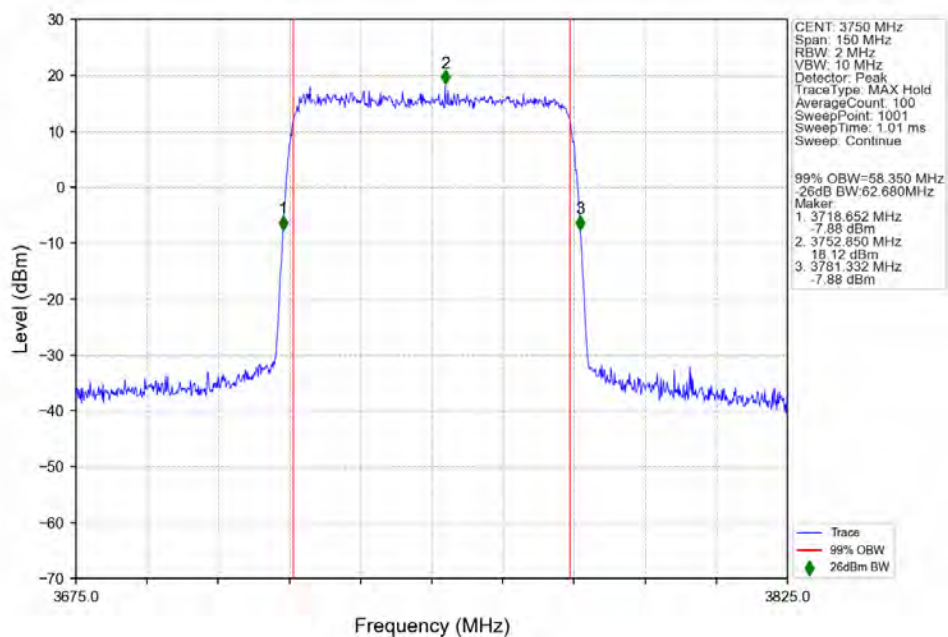
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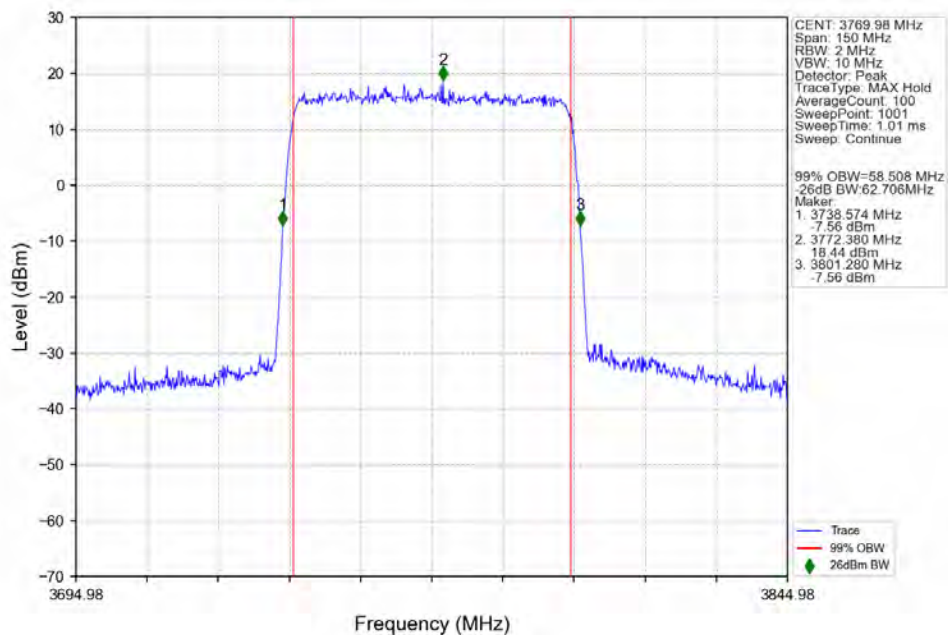
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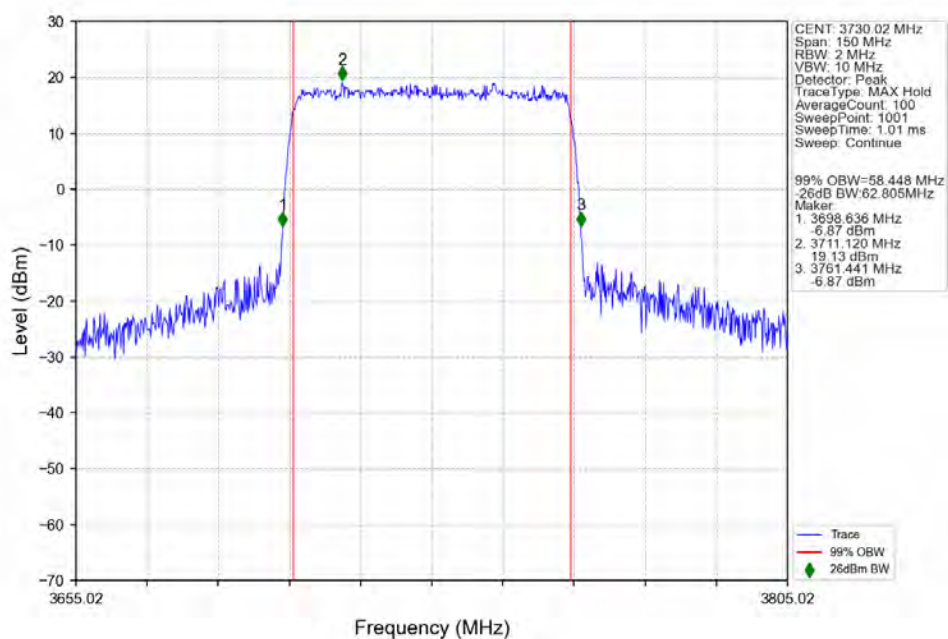
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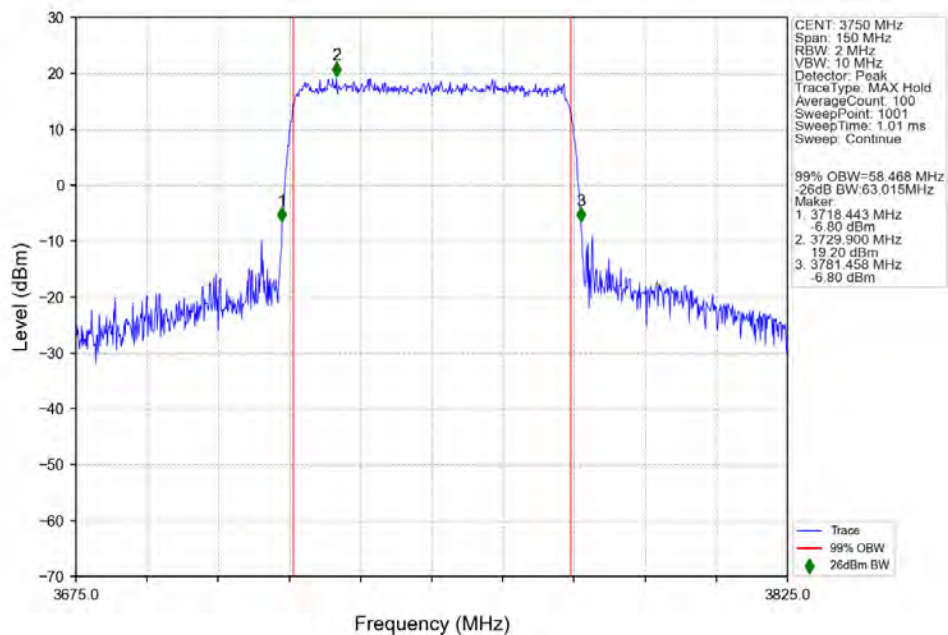
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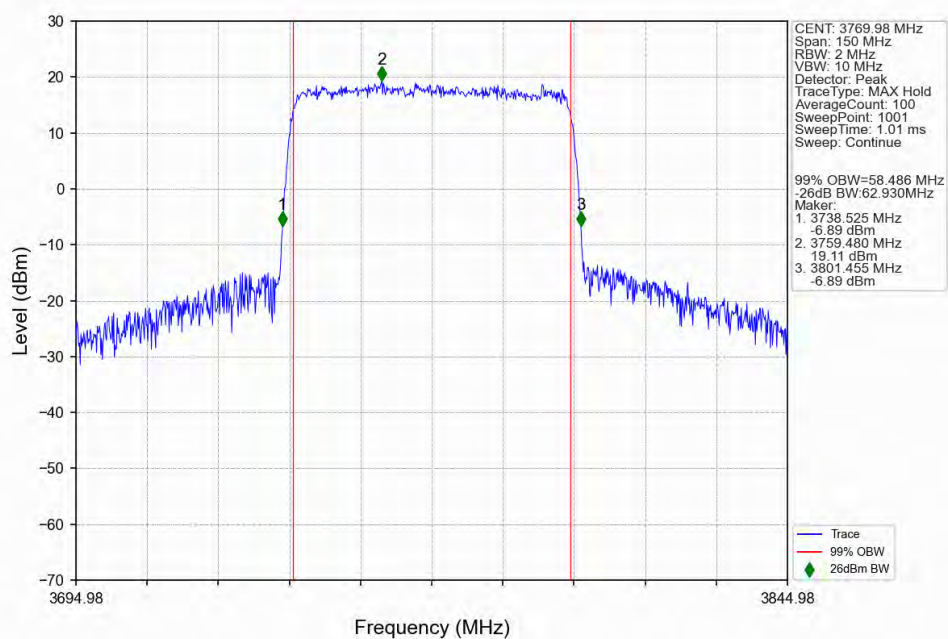
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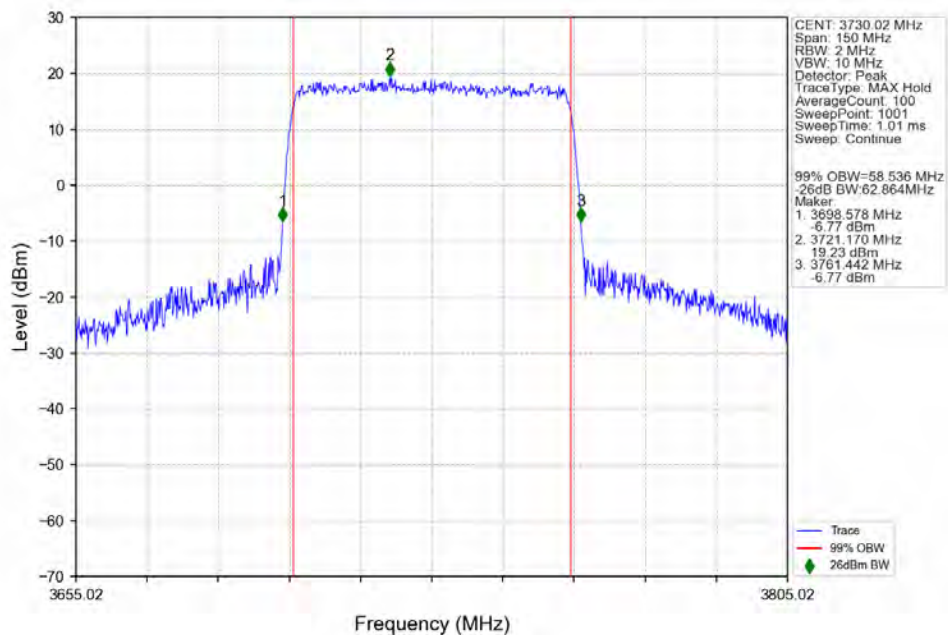
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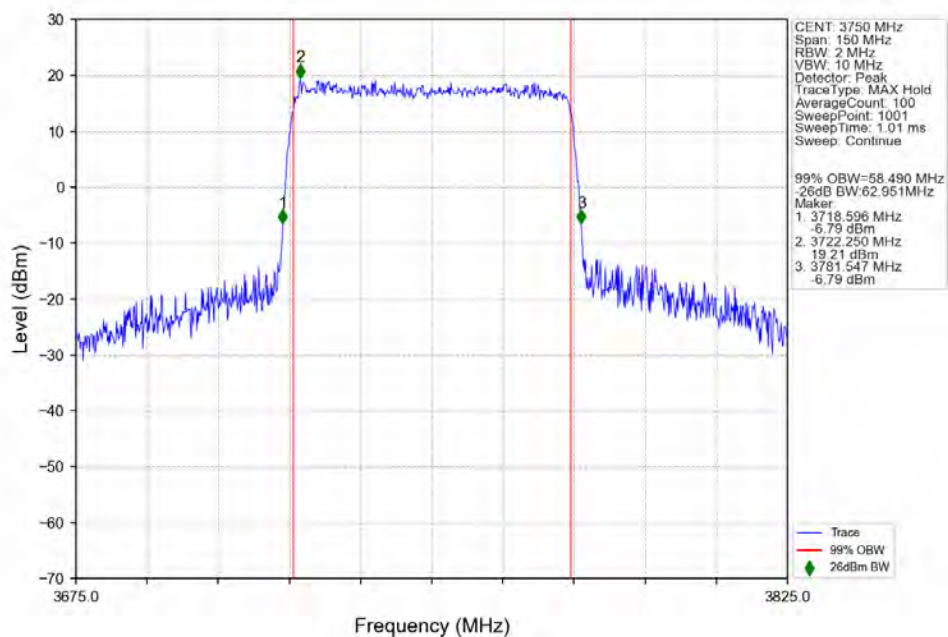
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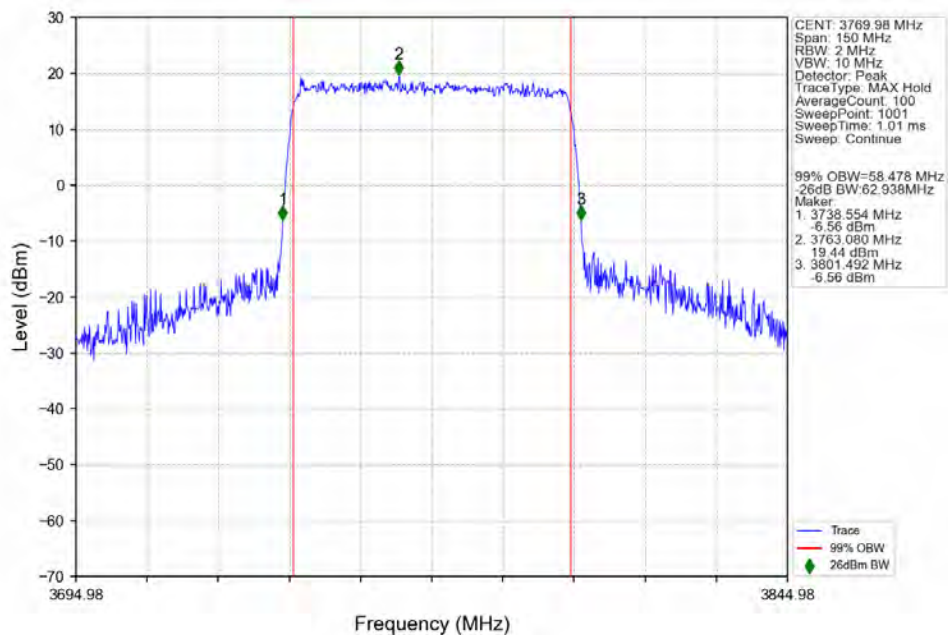
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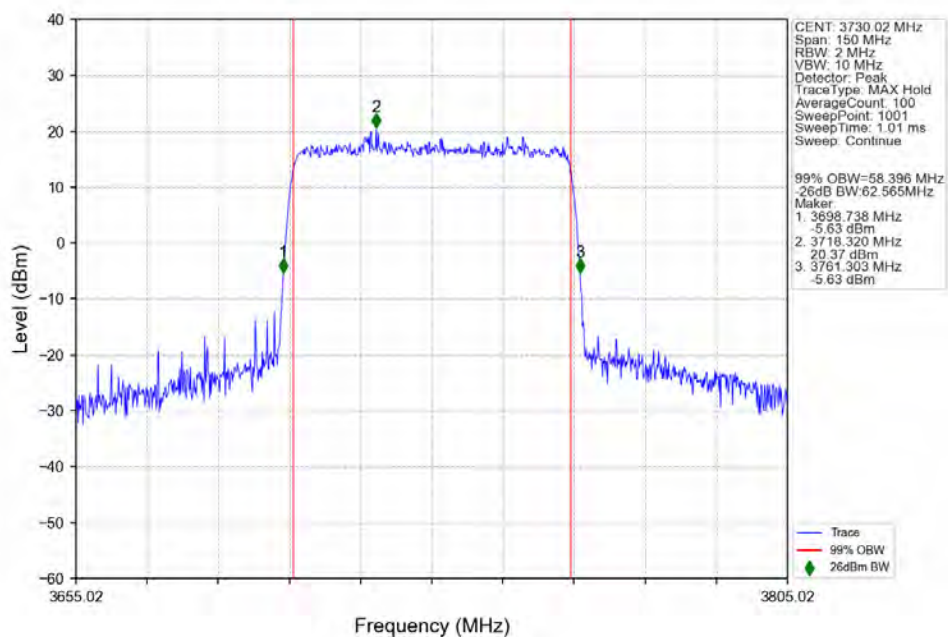
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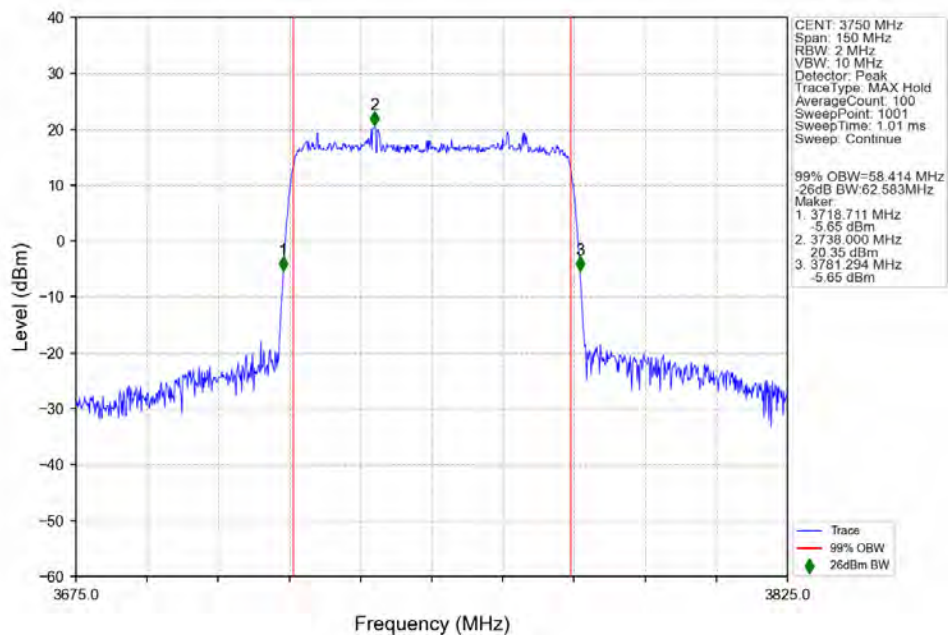
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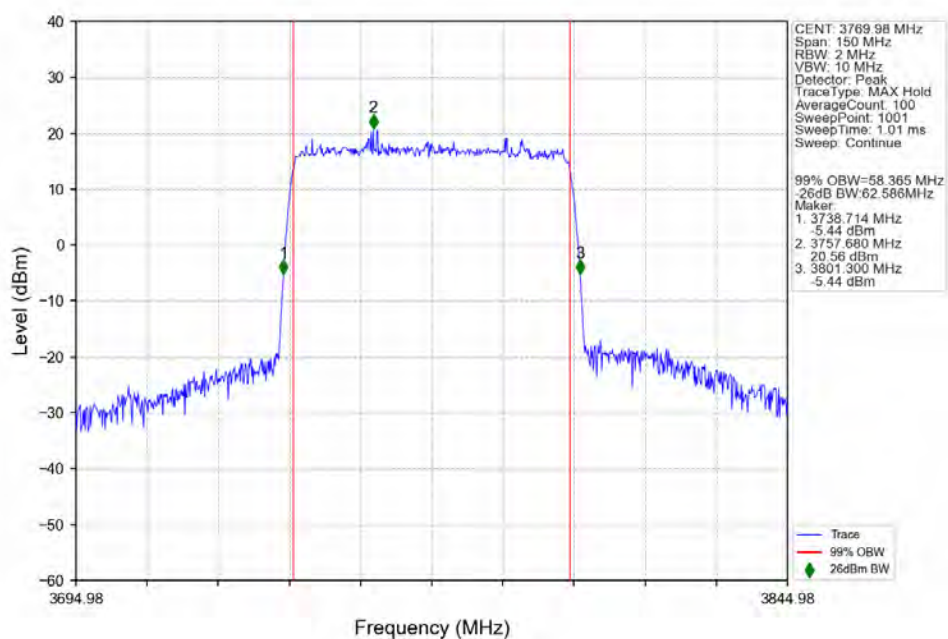
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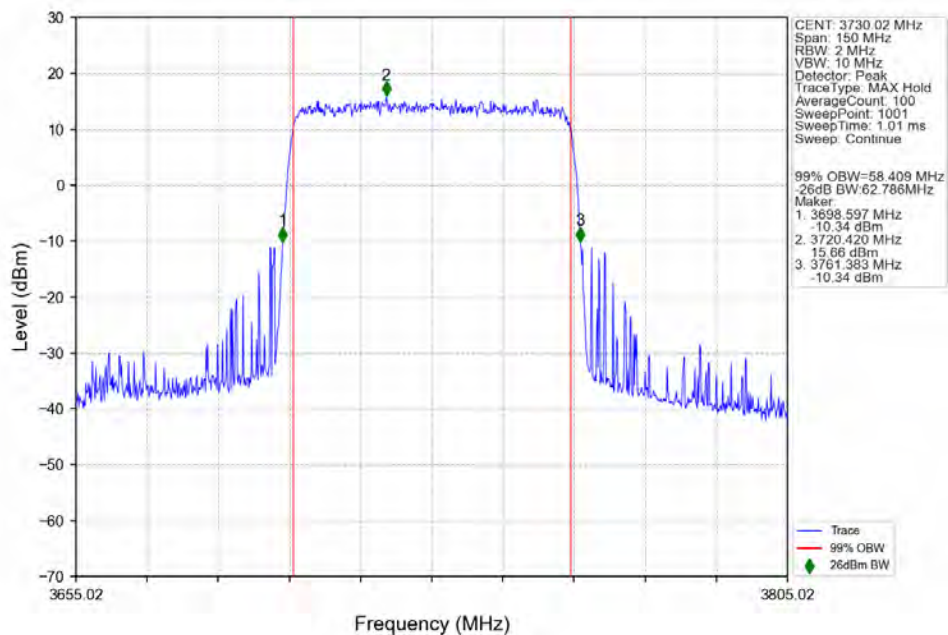
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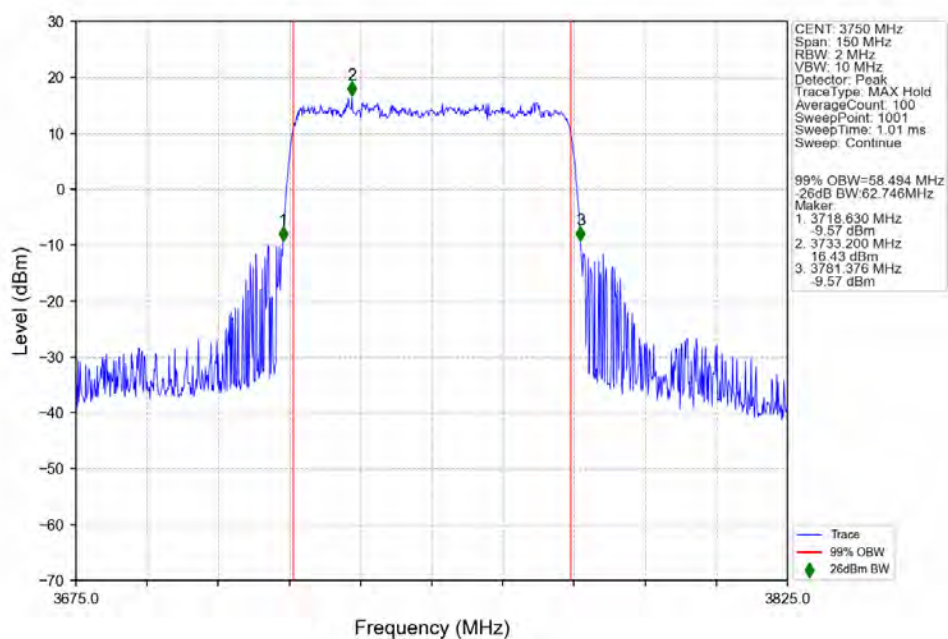
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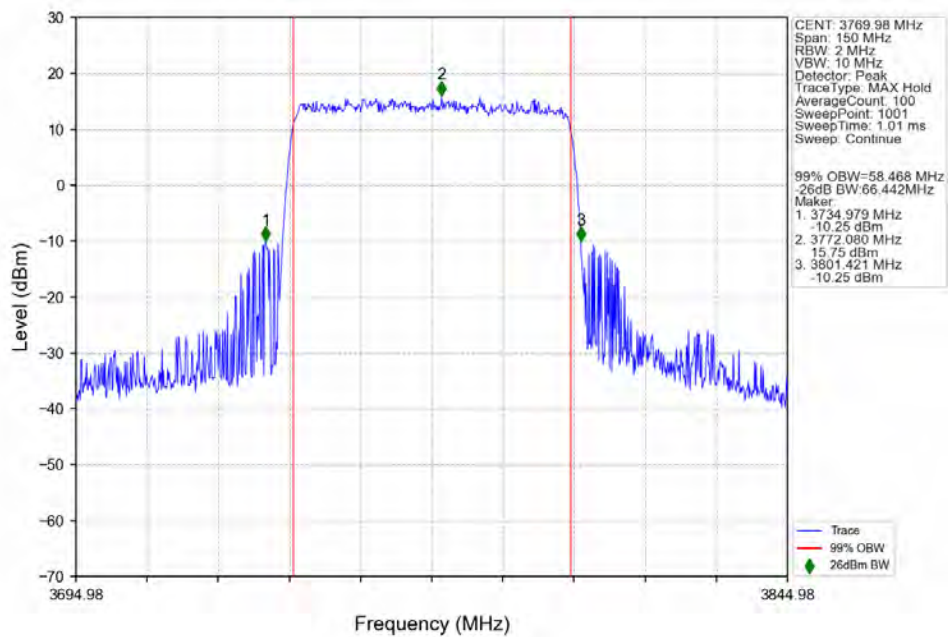
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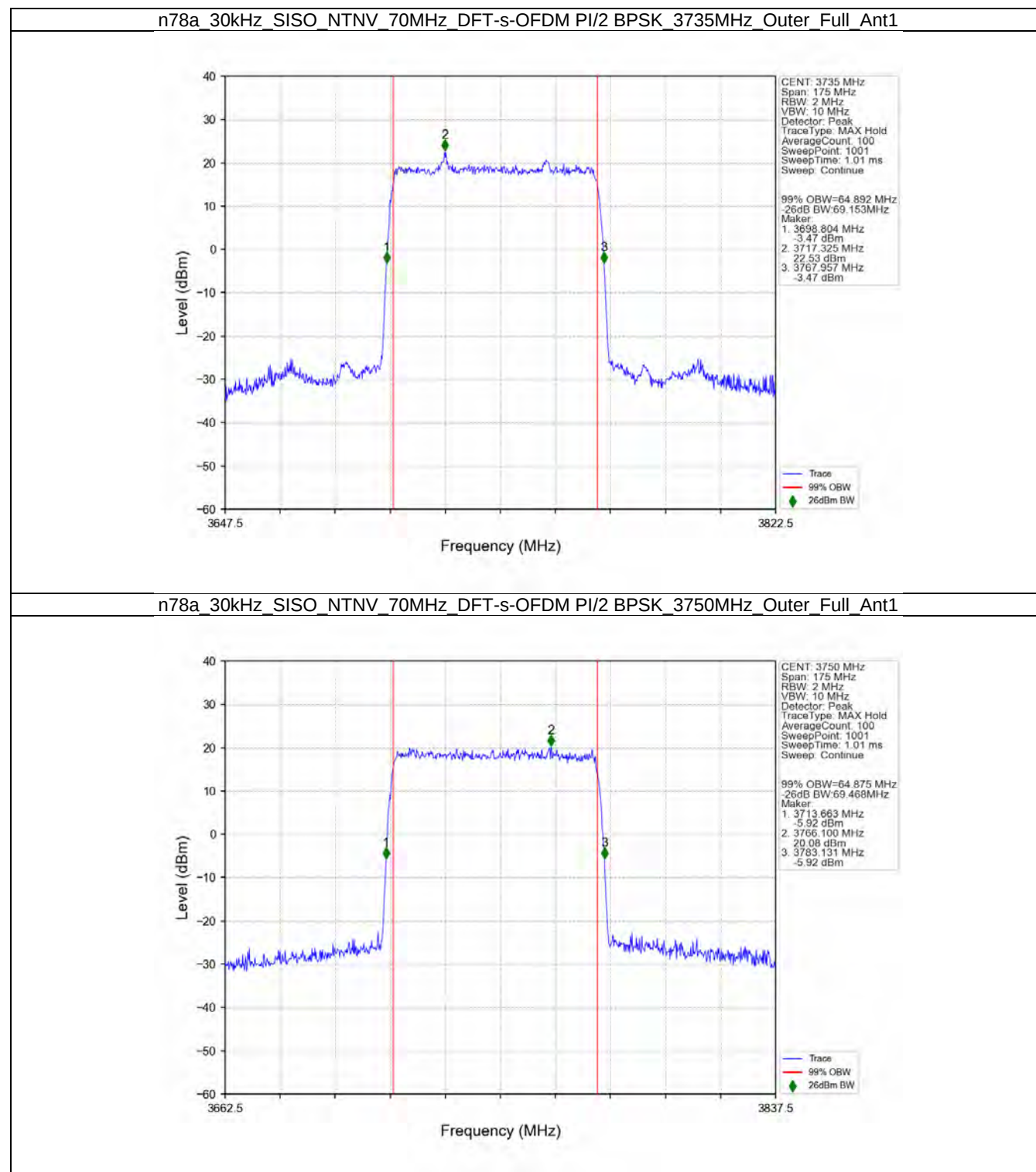
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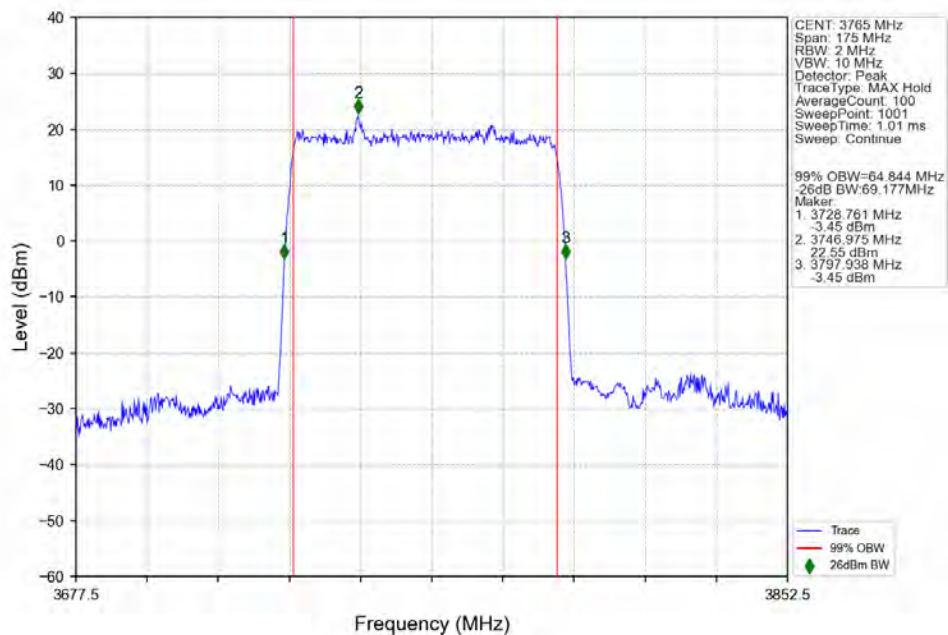
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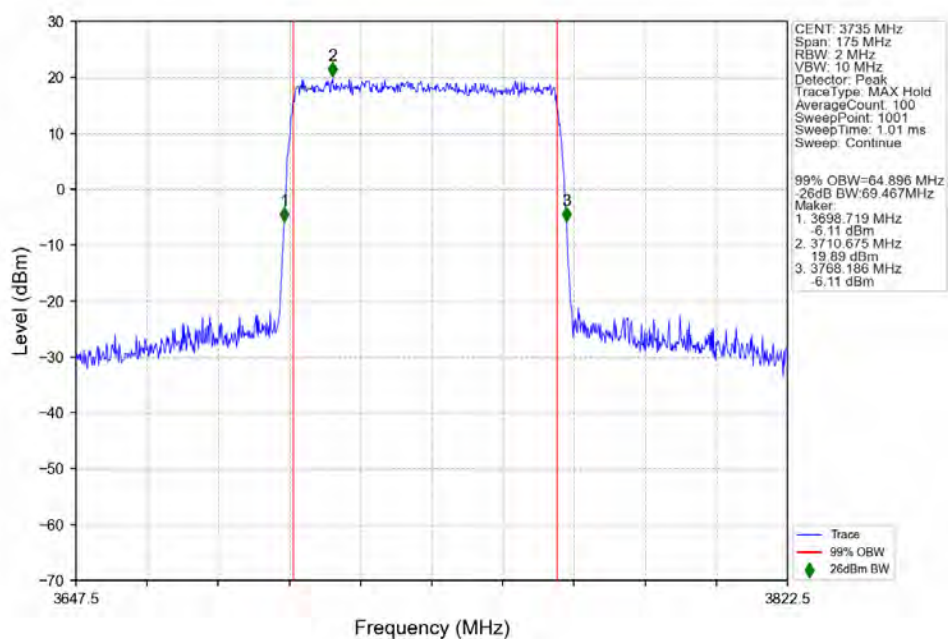
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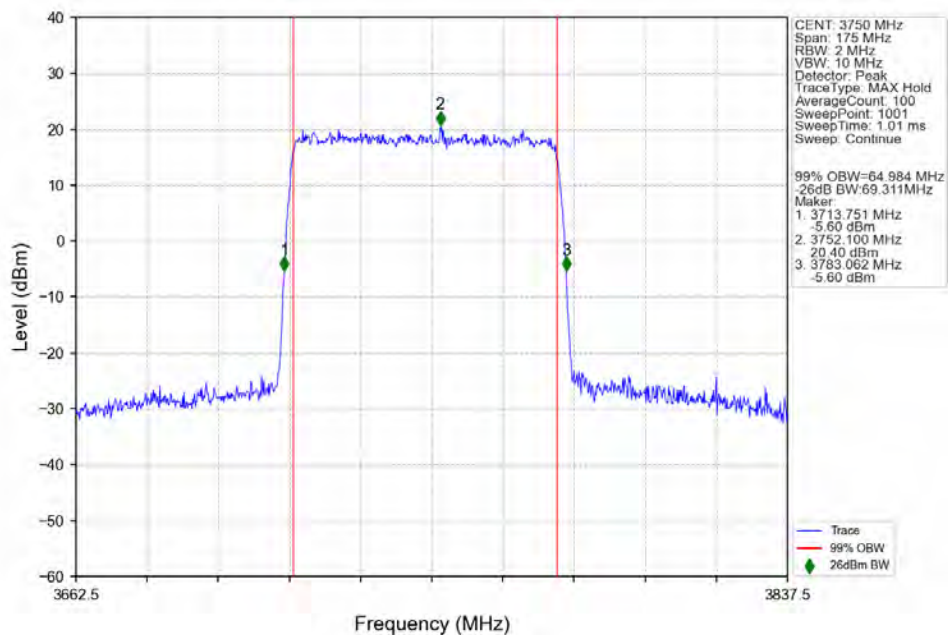
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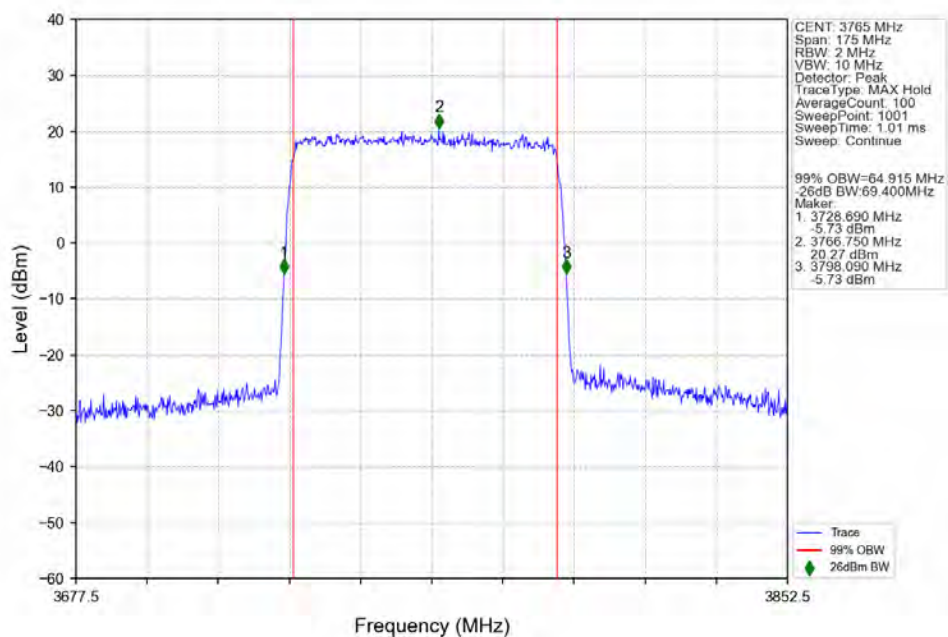
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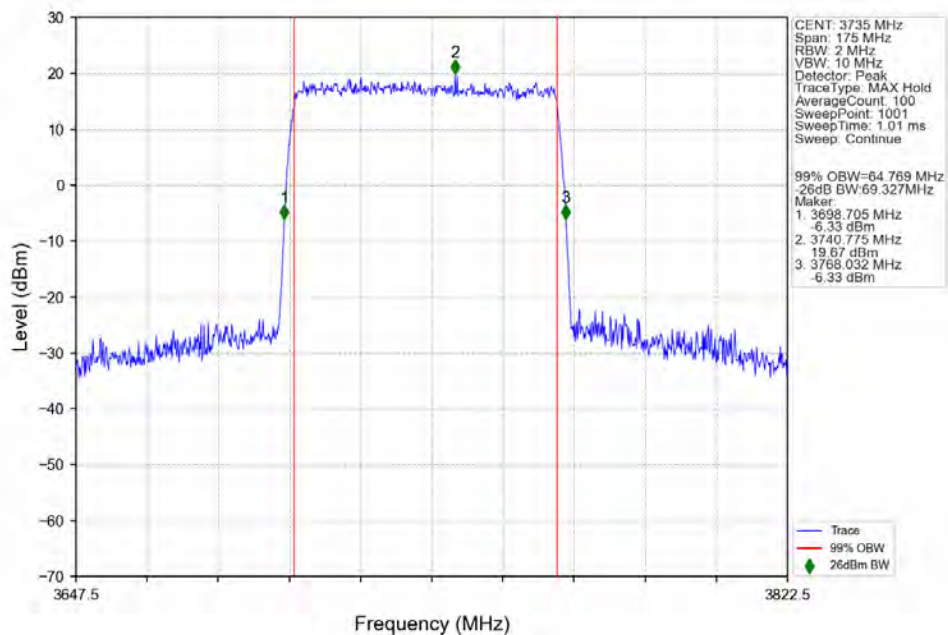
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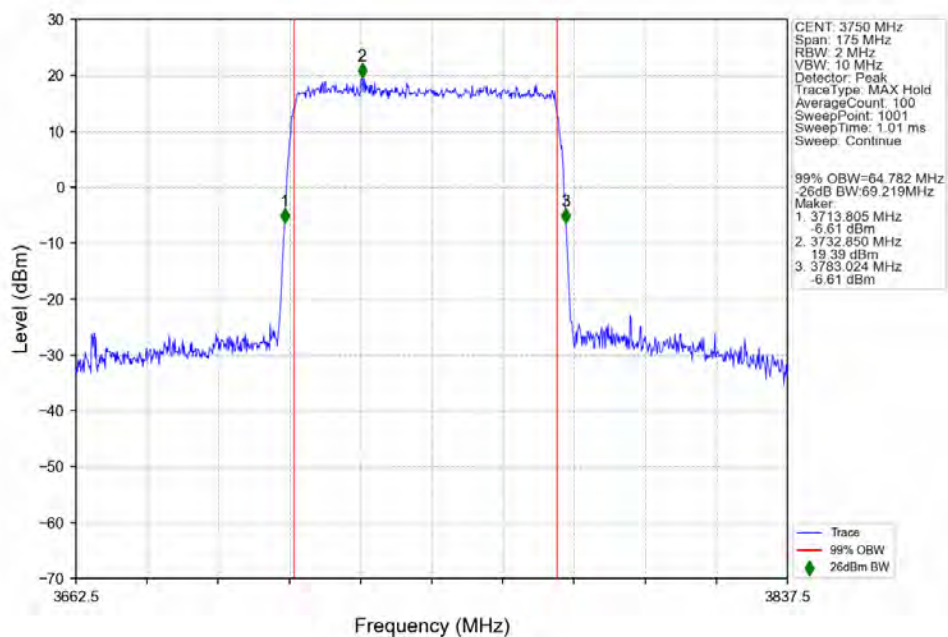
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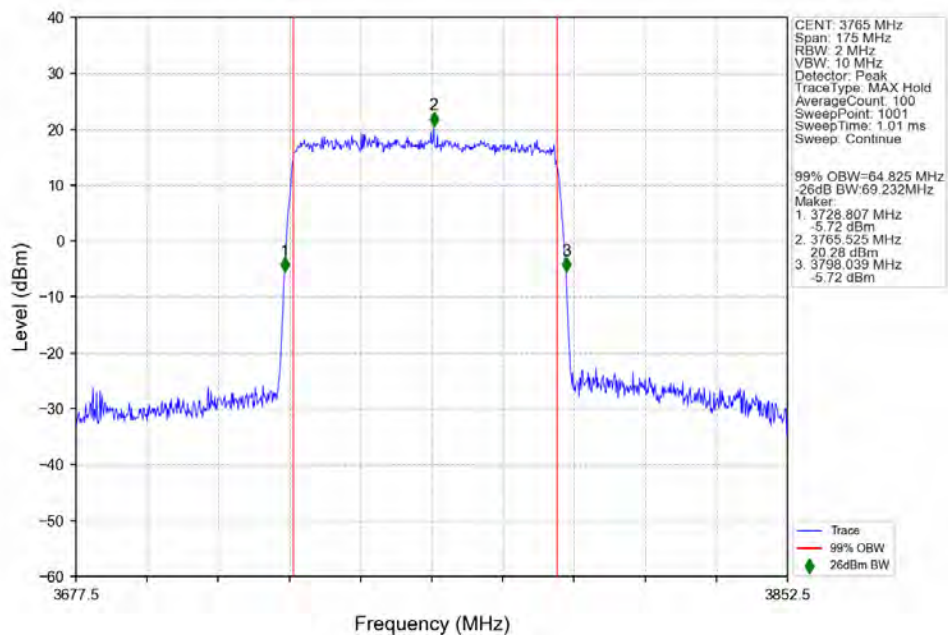
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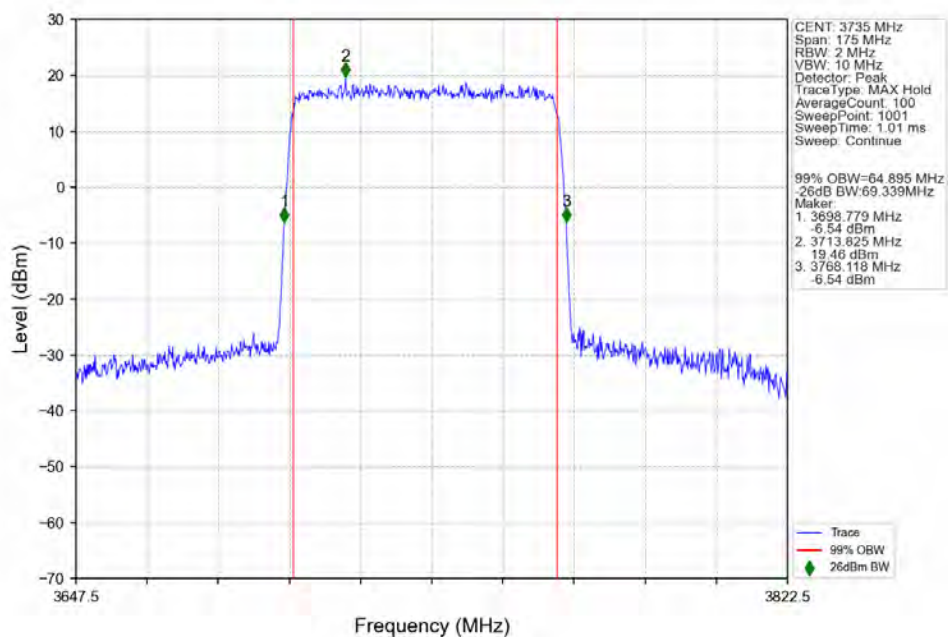
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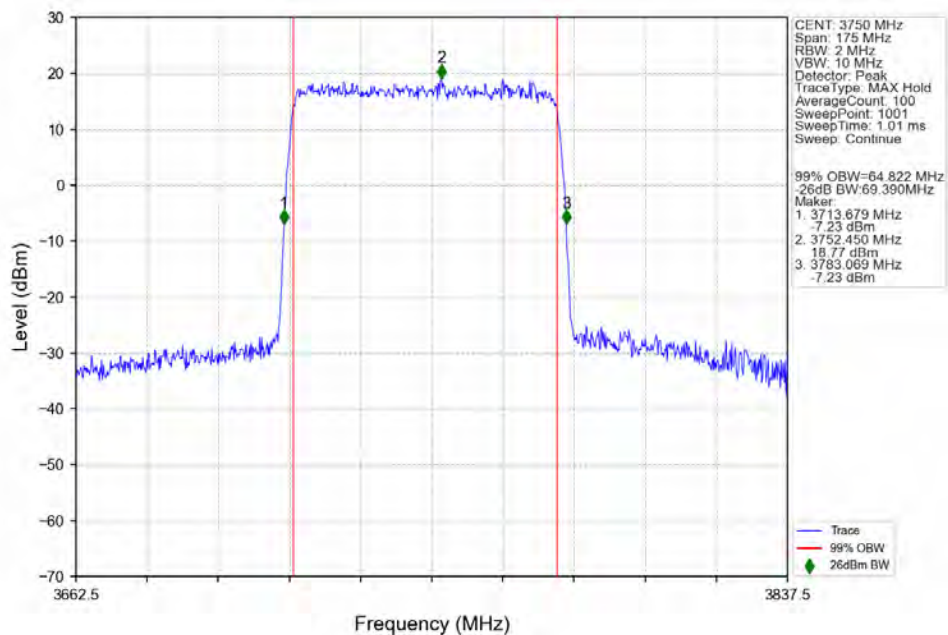
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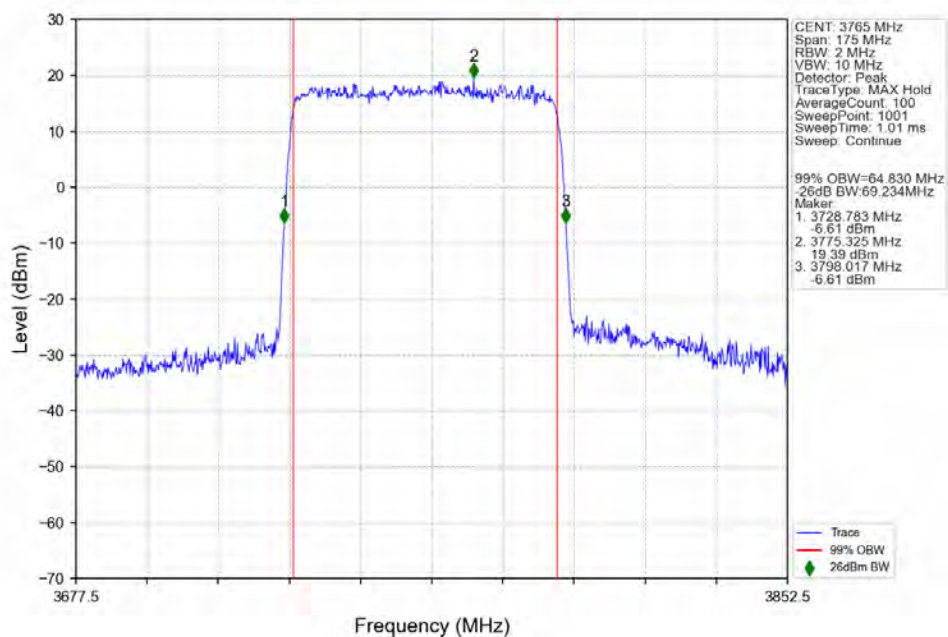
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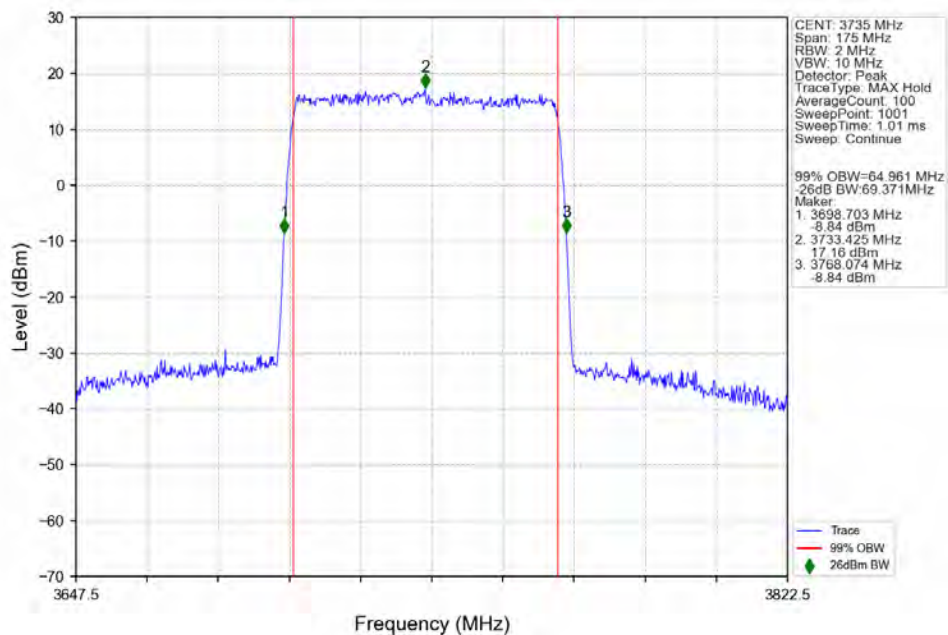
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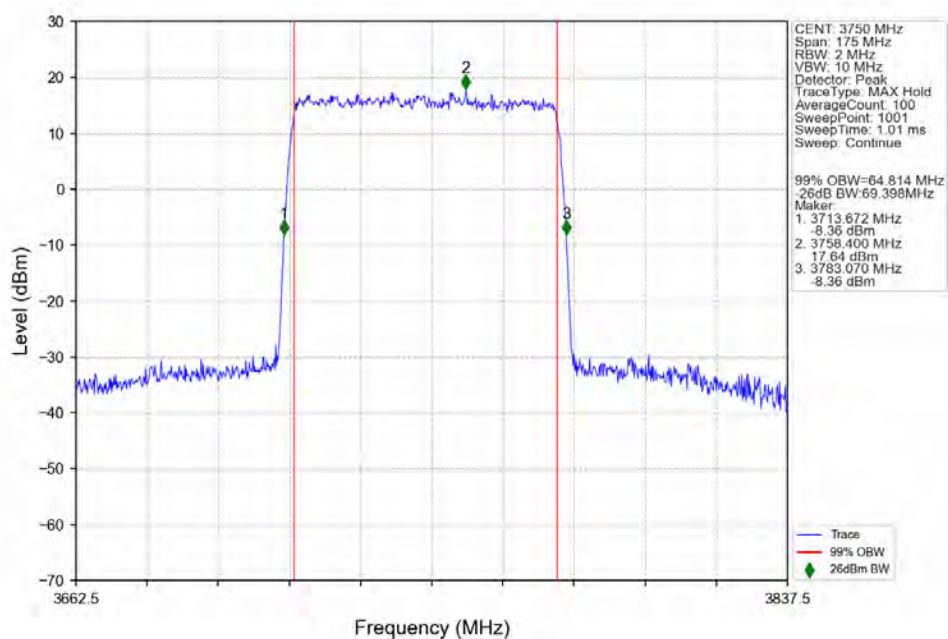
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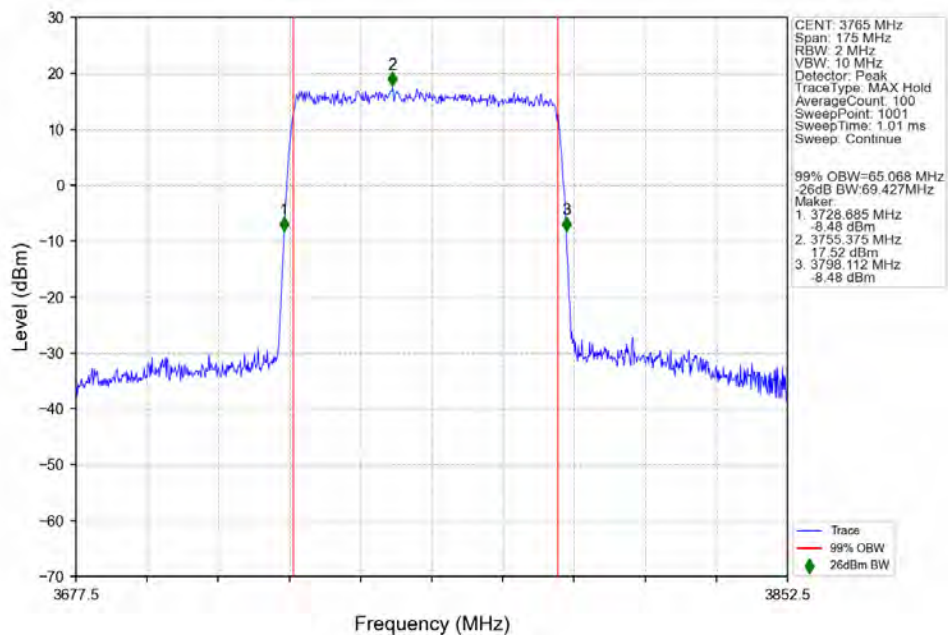
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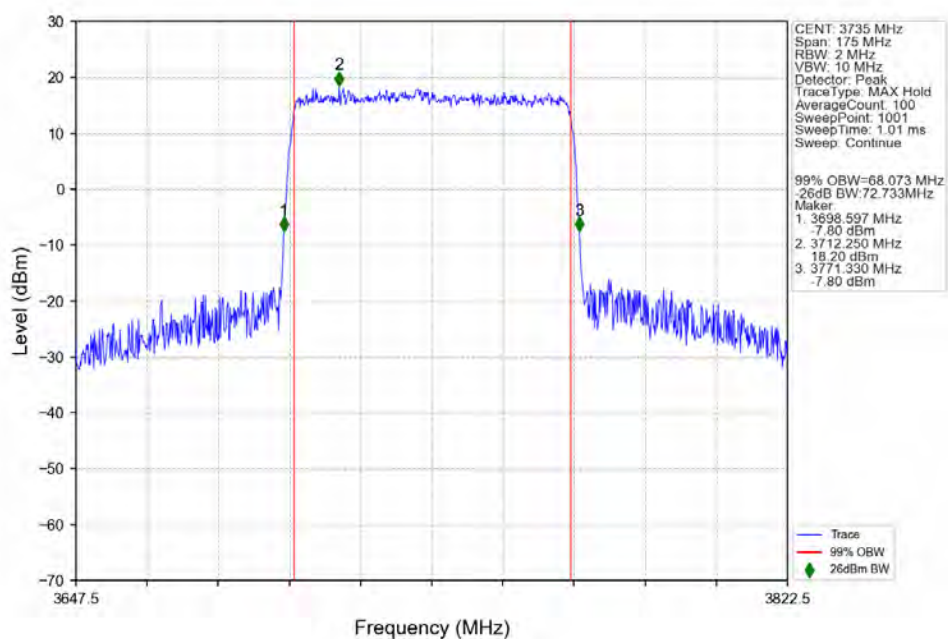
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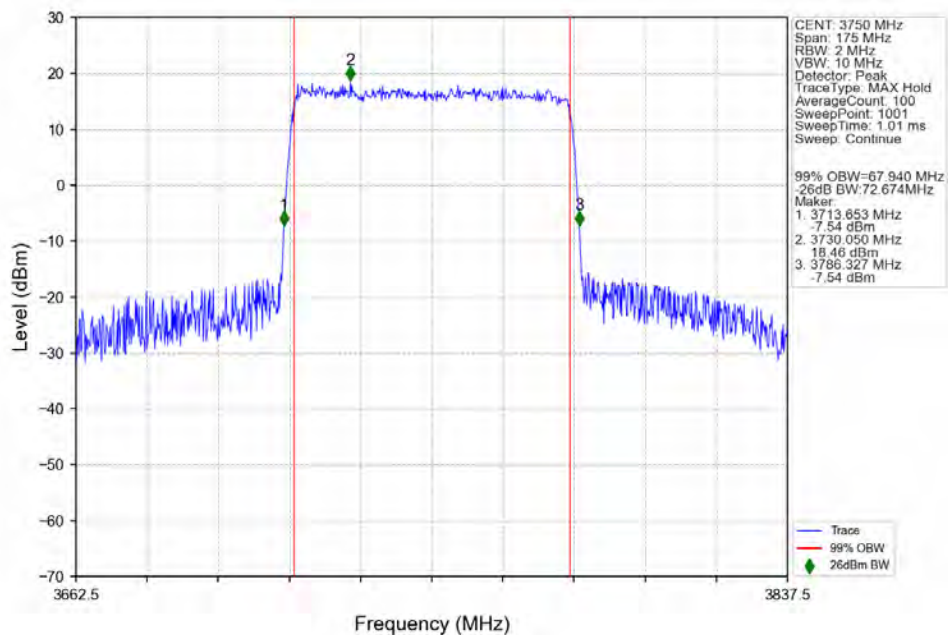
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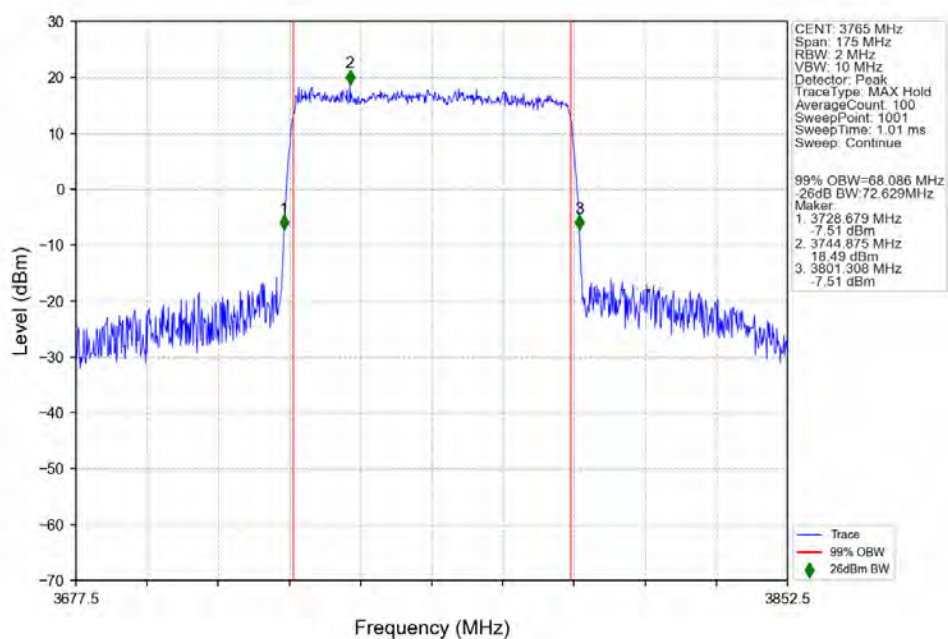
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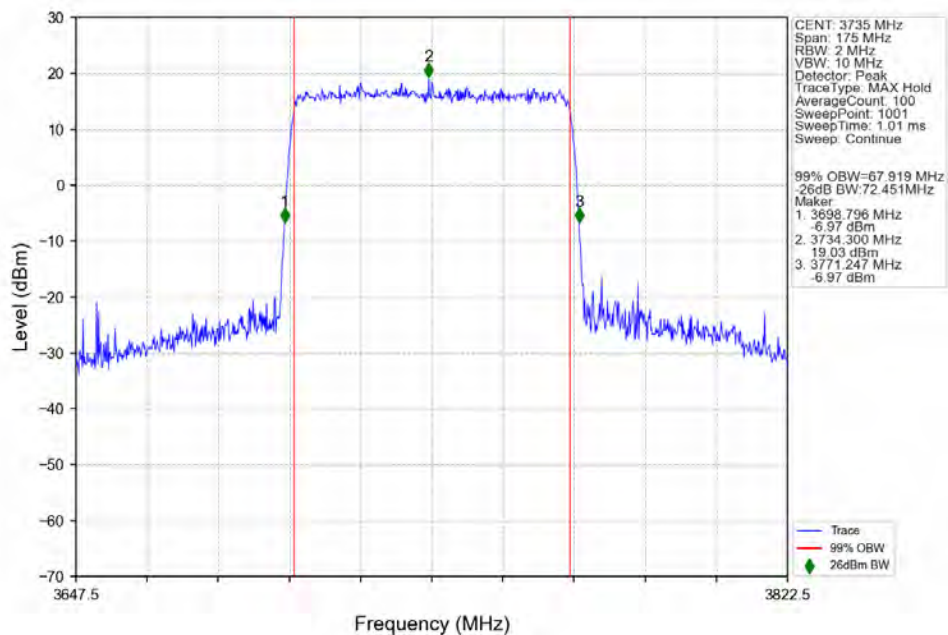
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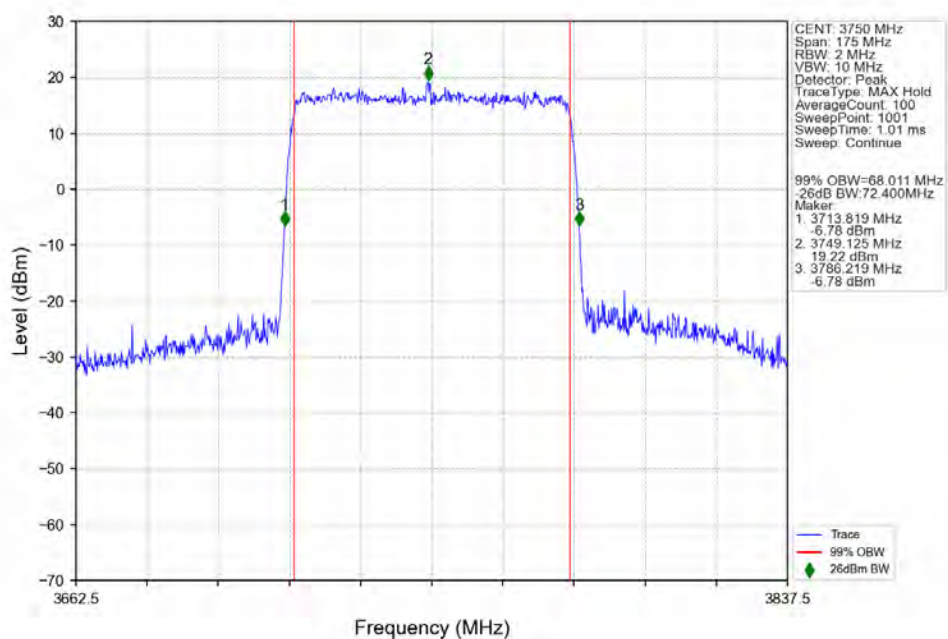
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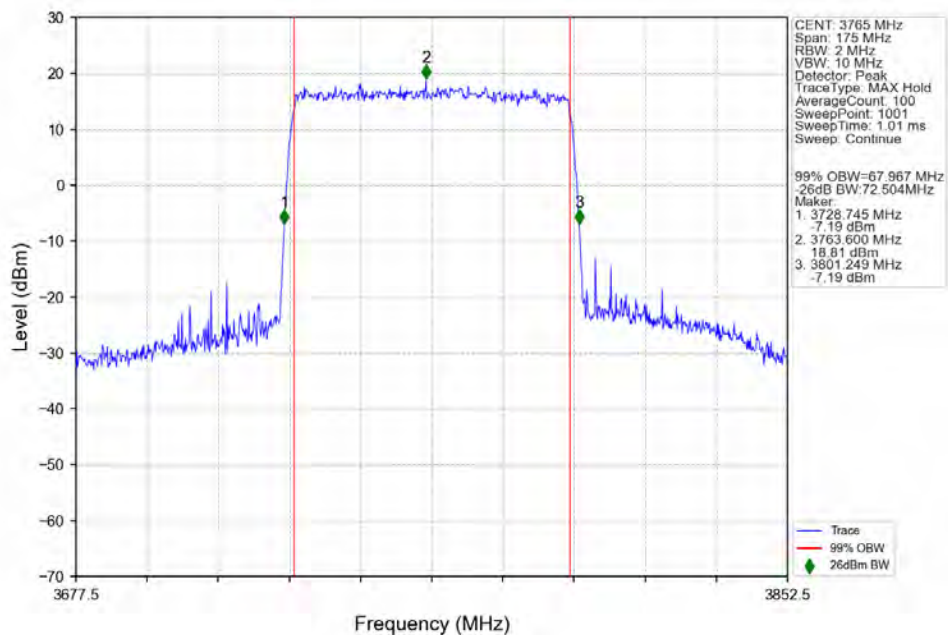
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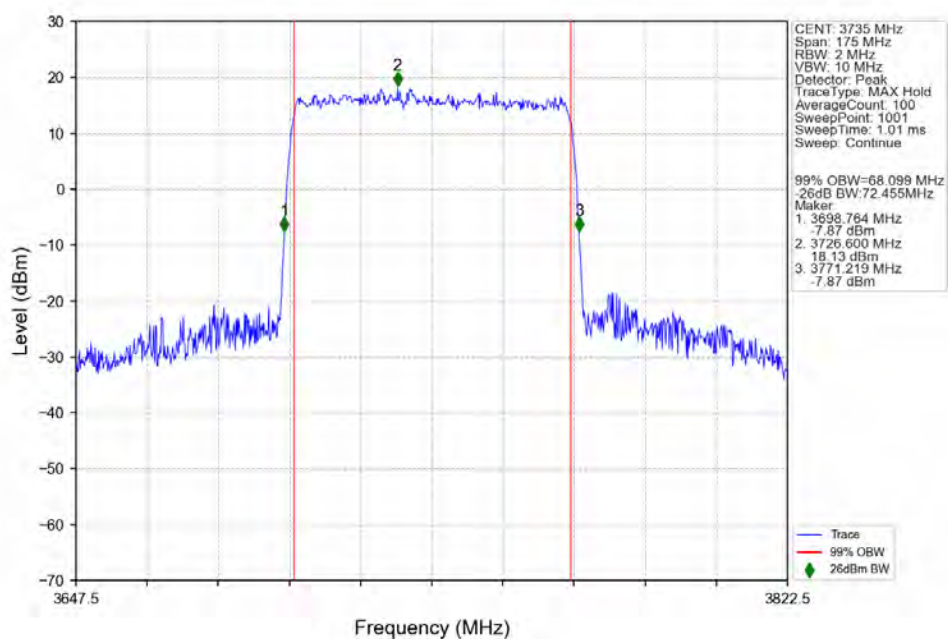
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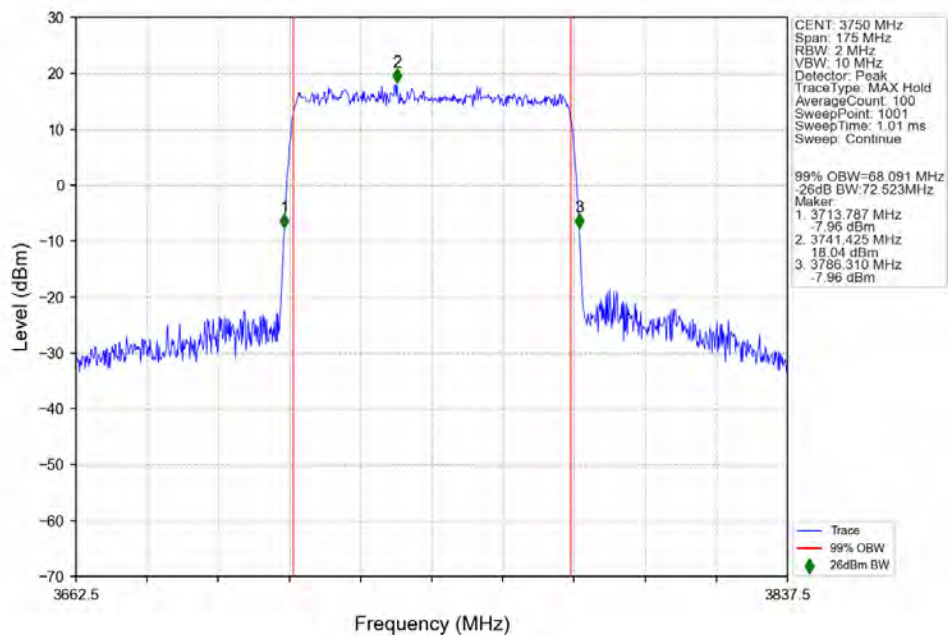
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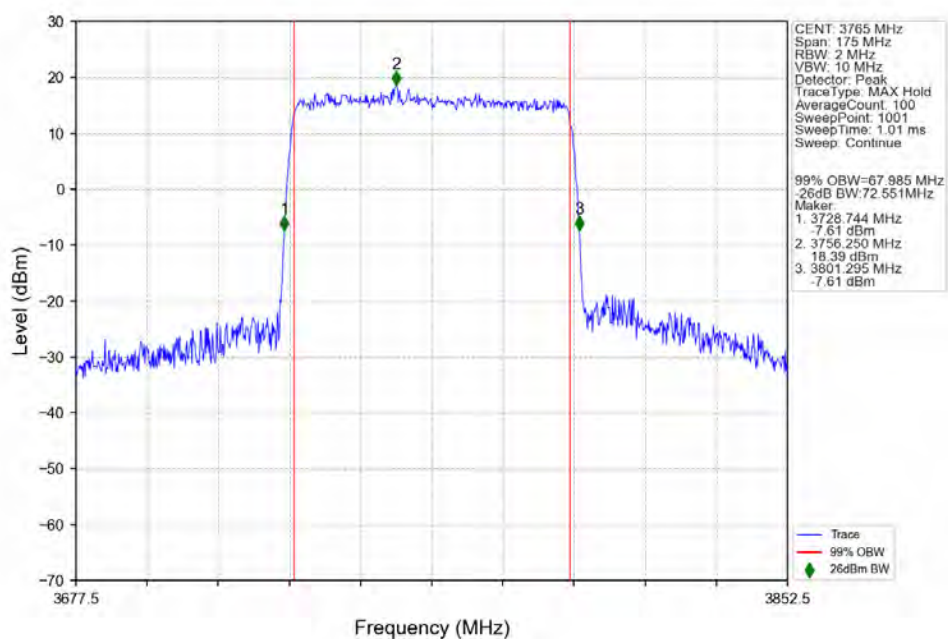
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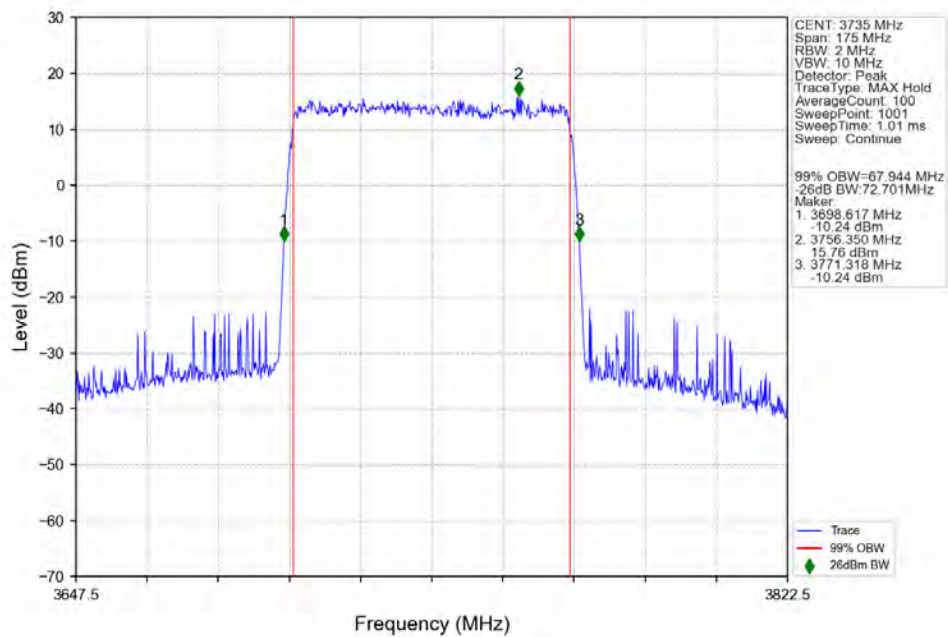
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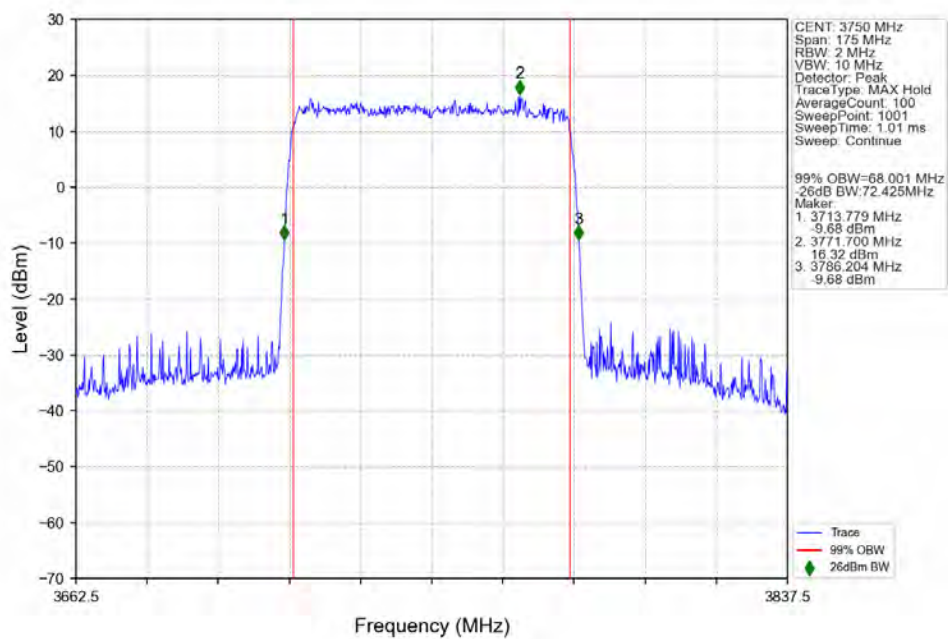
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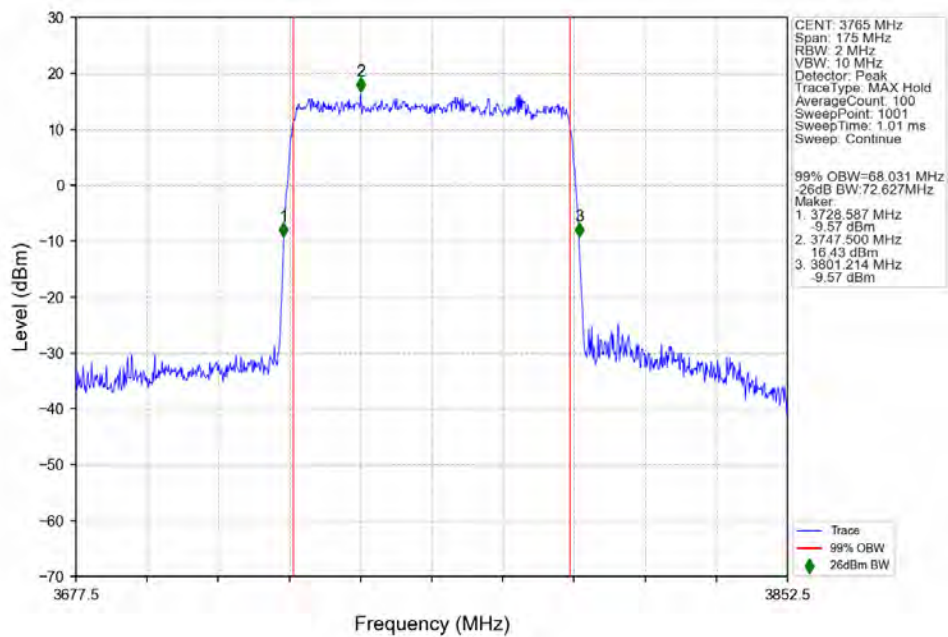
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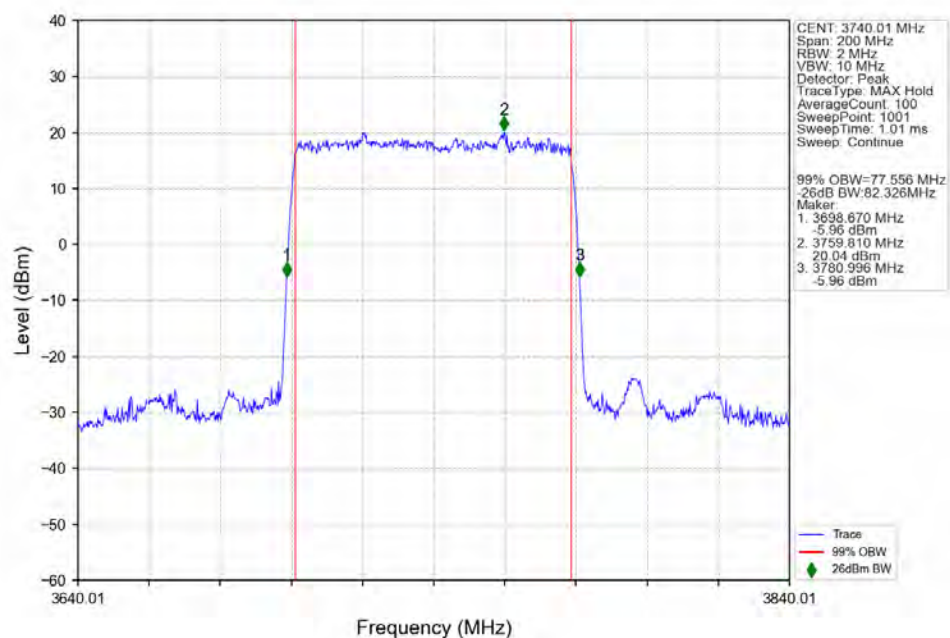


n78a 30kHz SISO NTV 70MHz CP-OFDM 256 QAM 3765MHz Outer Full Ant1

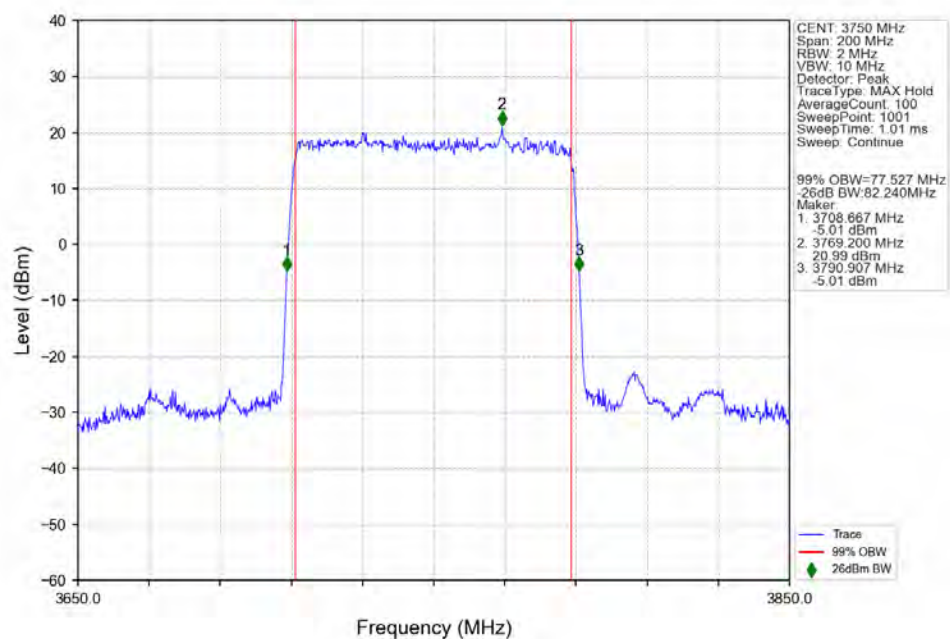


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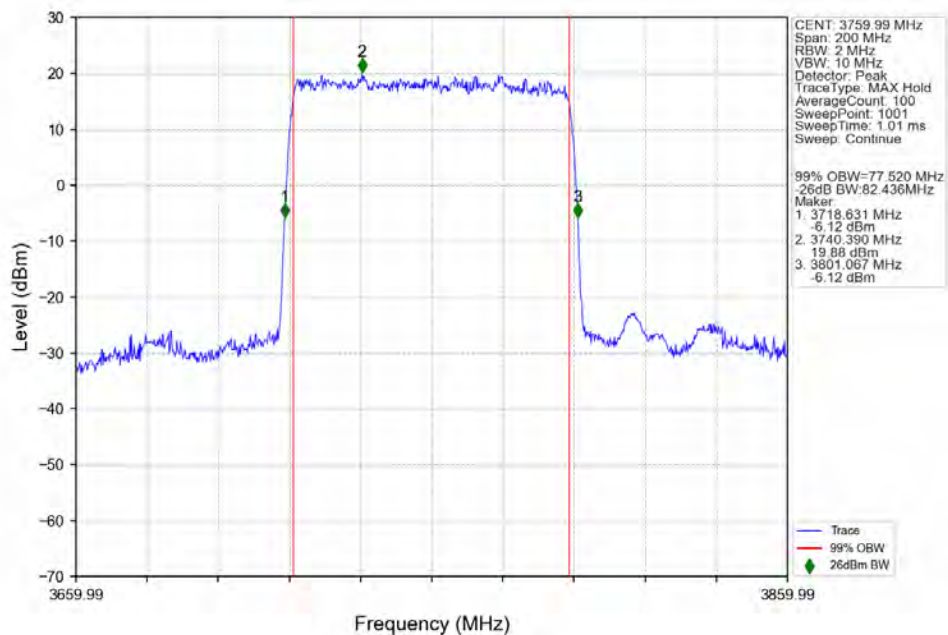
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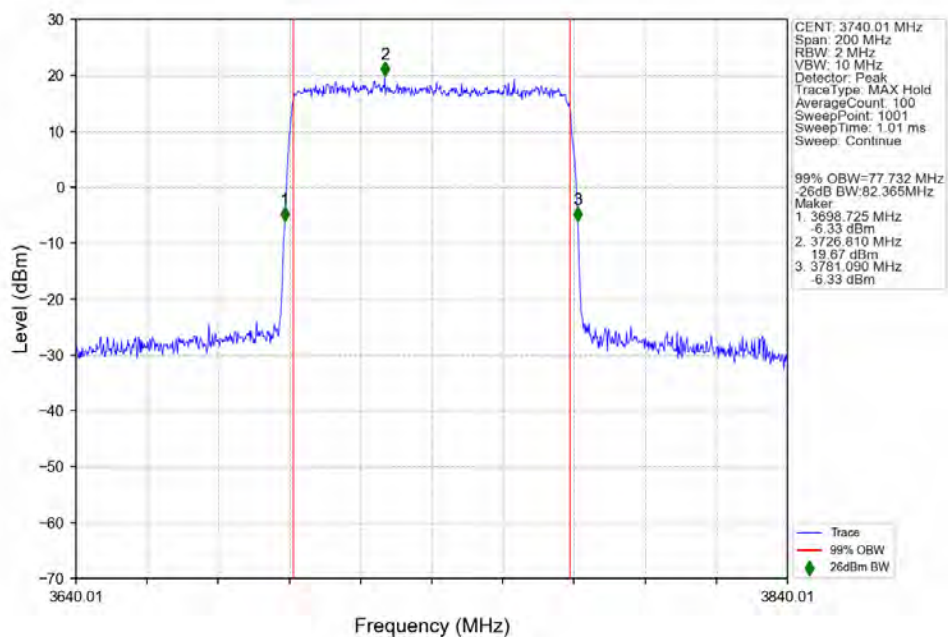
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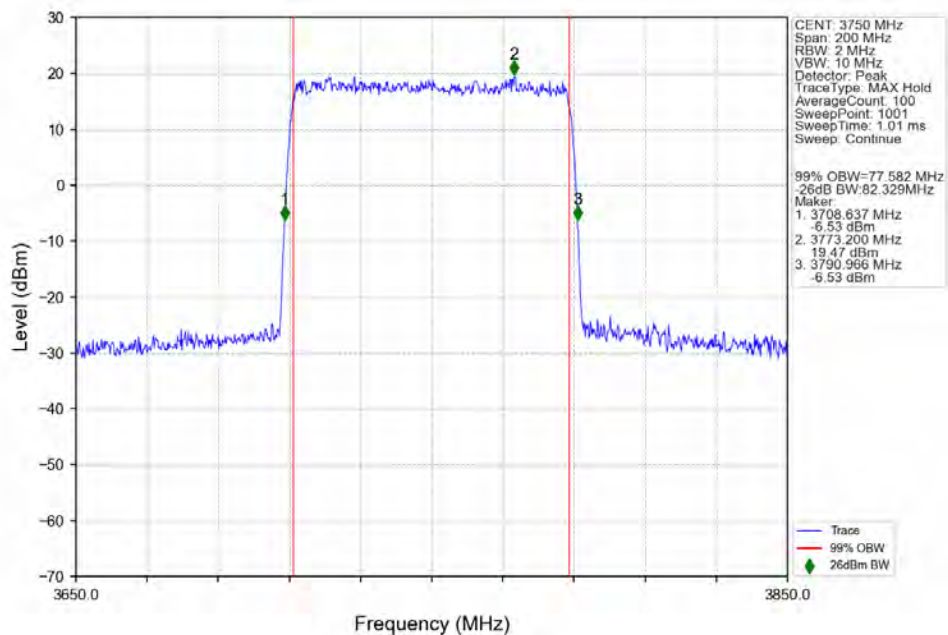
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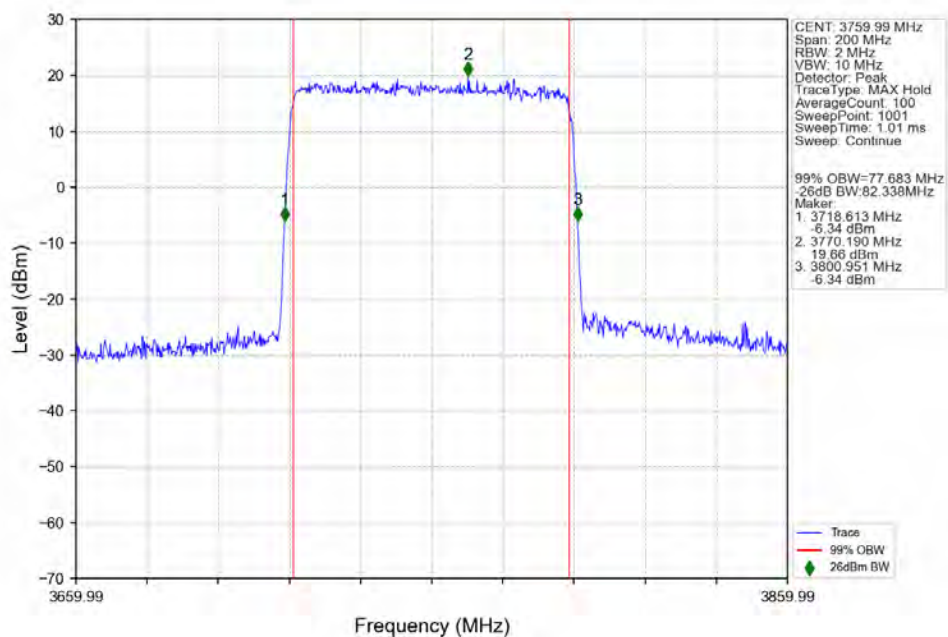
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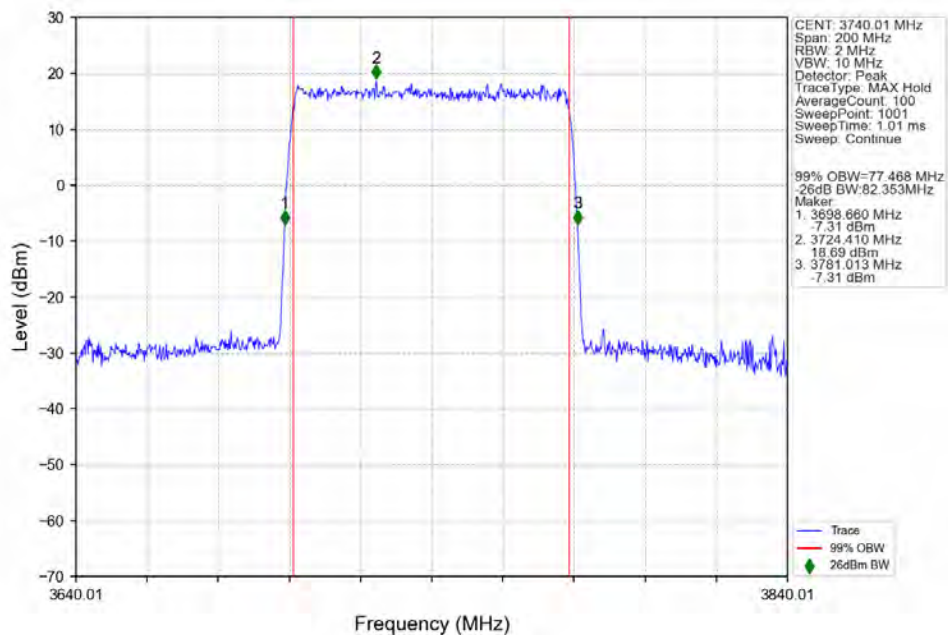
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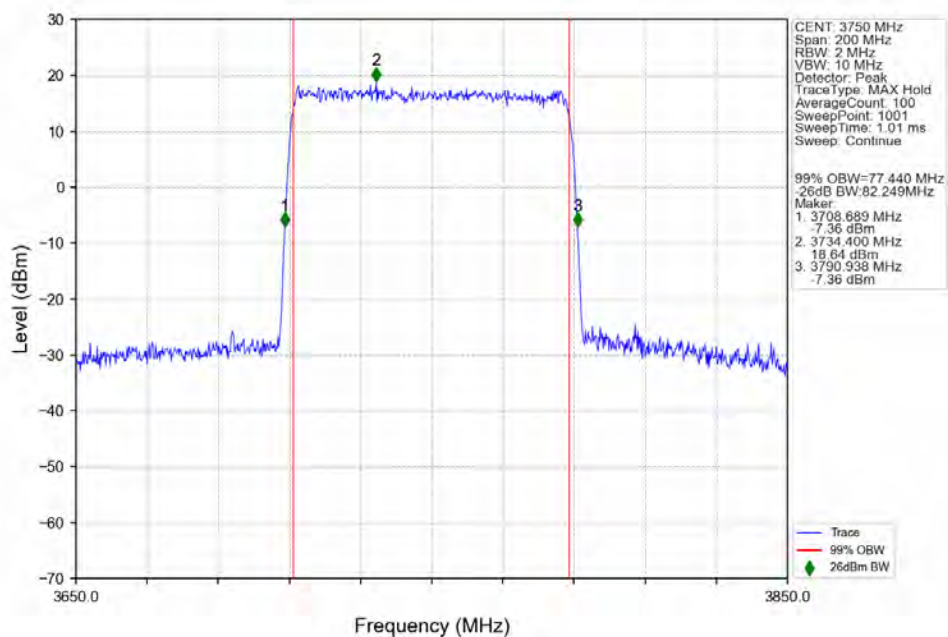
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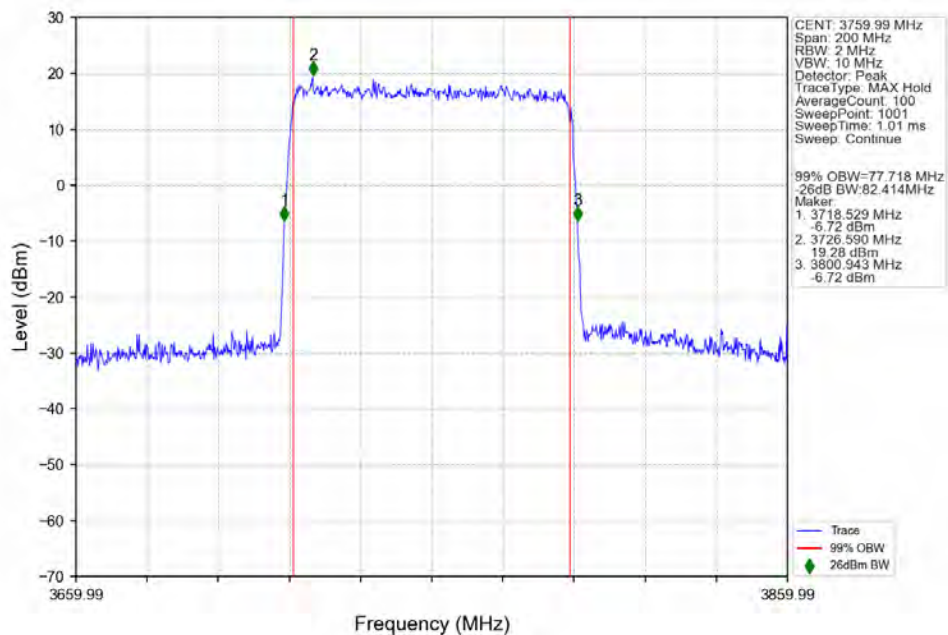
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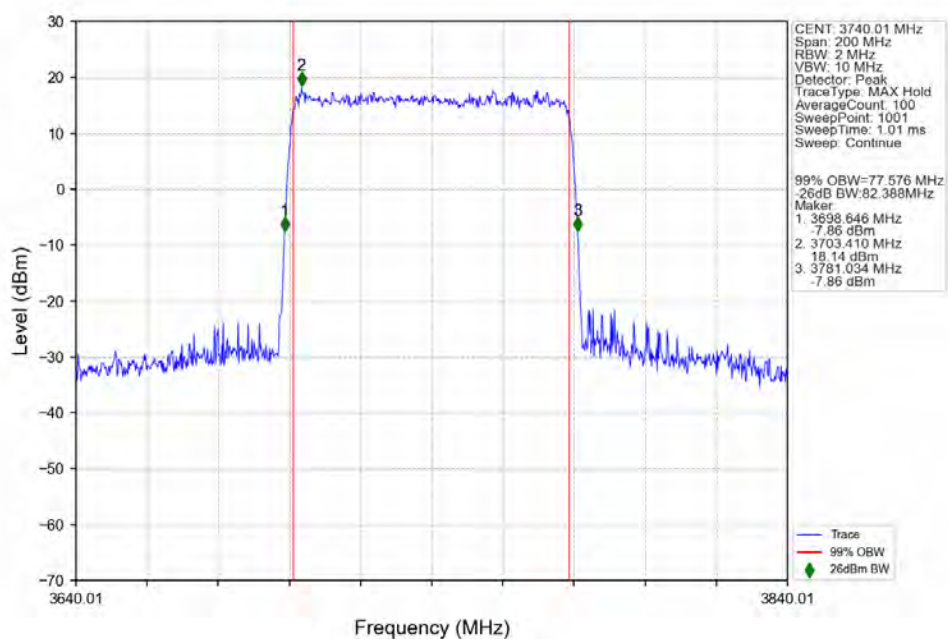
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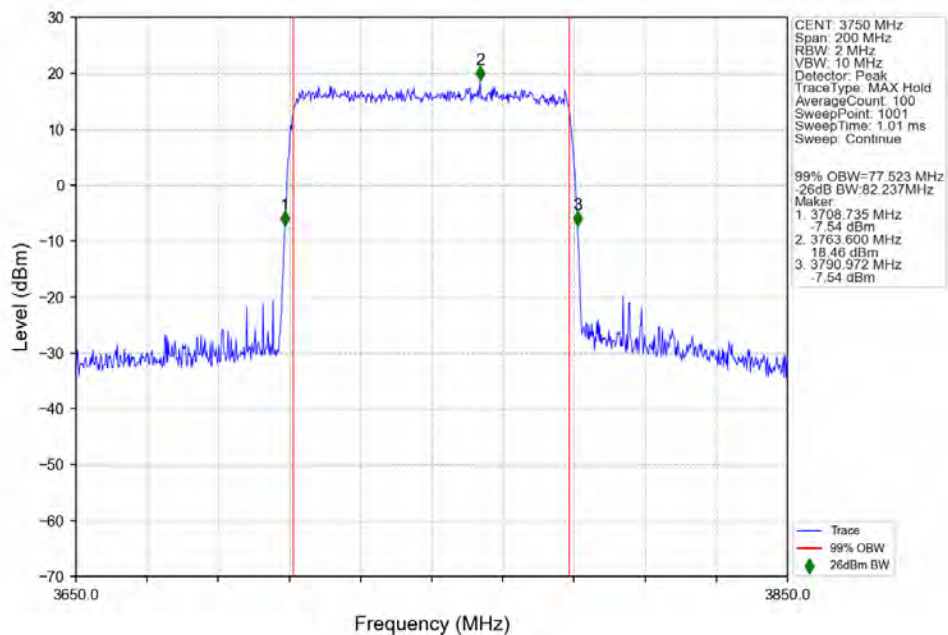
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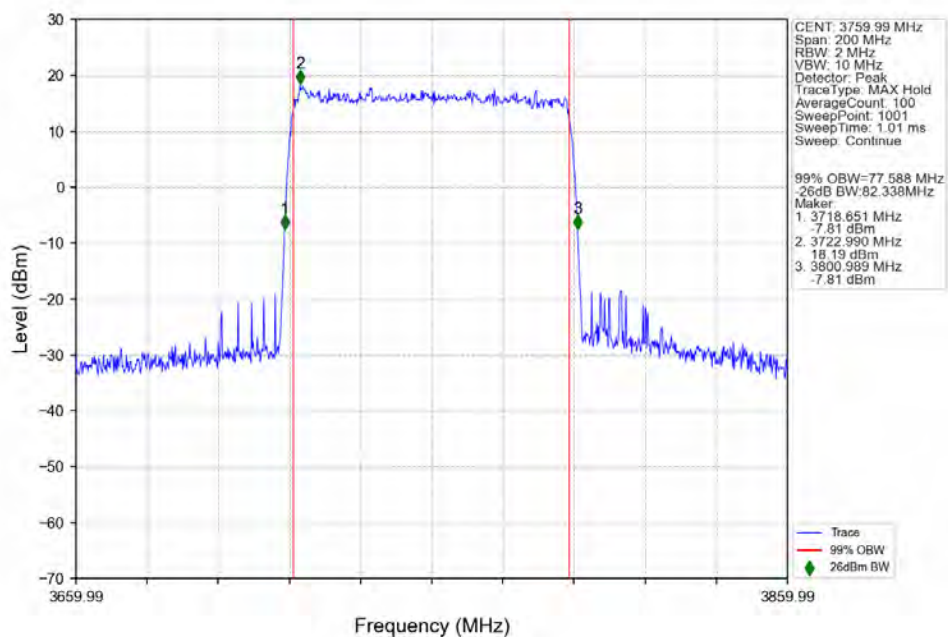
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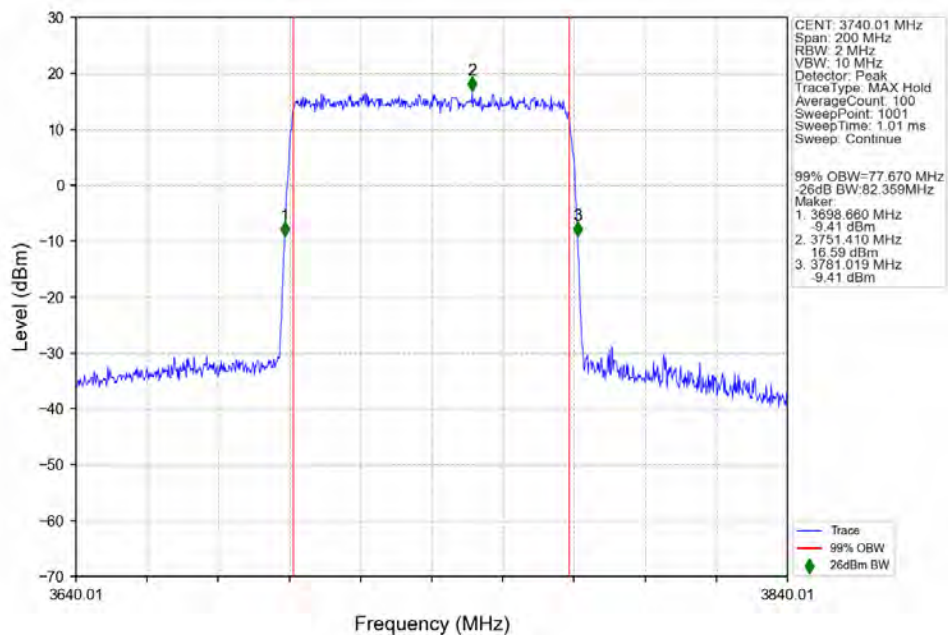
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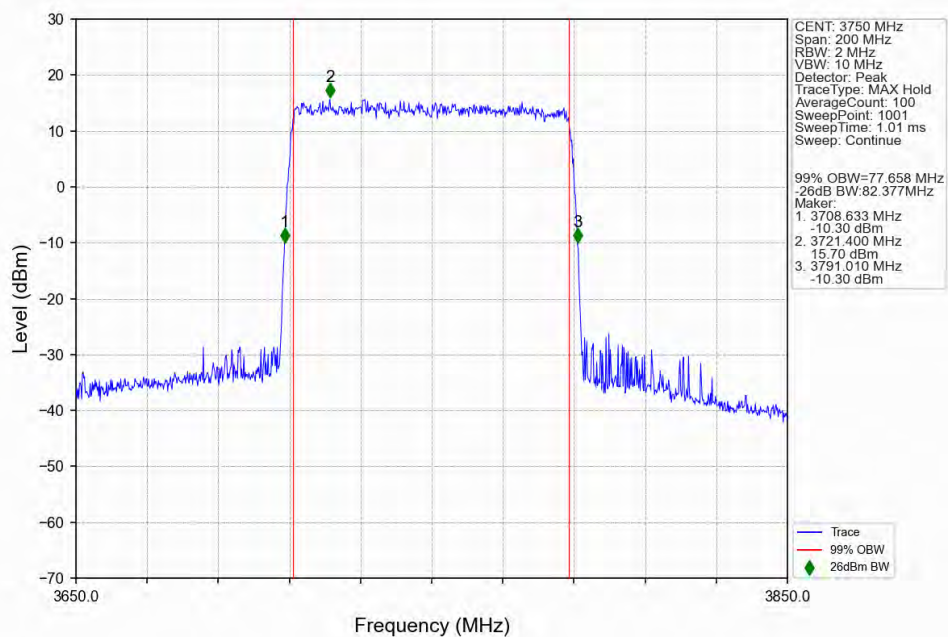
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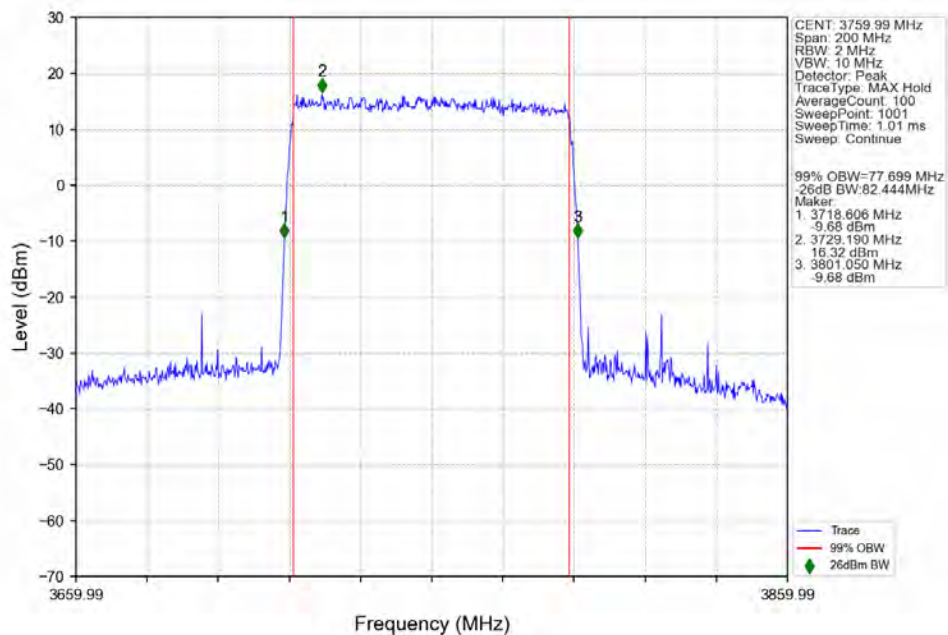
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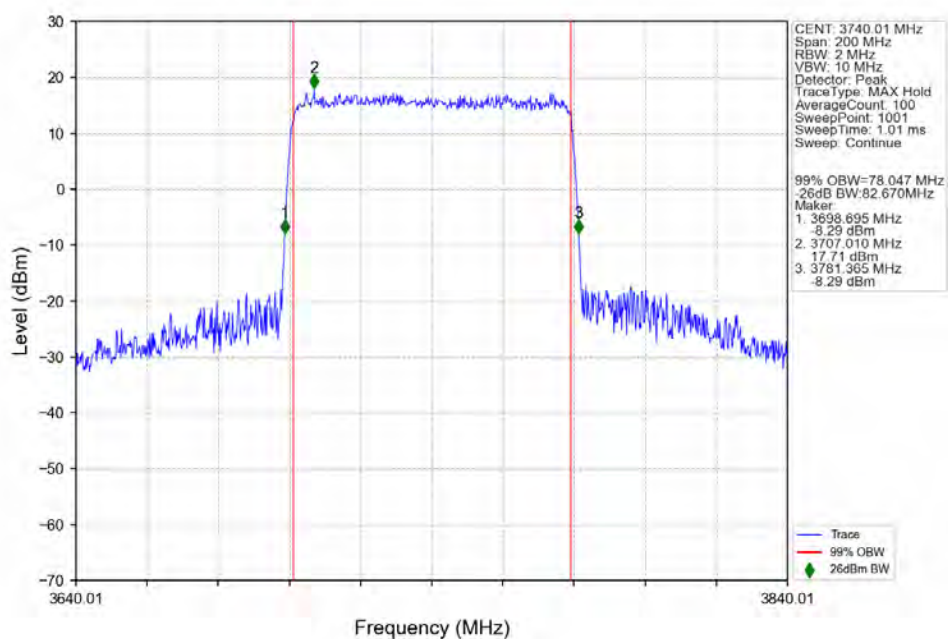
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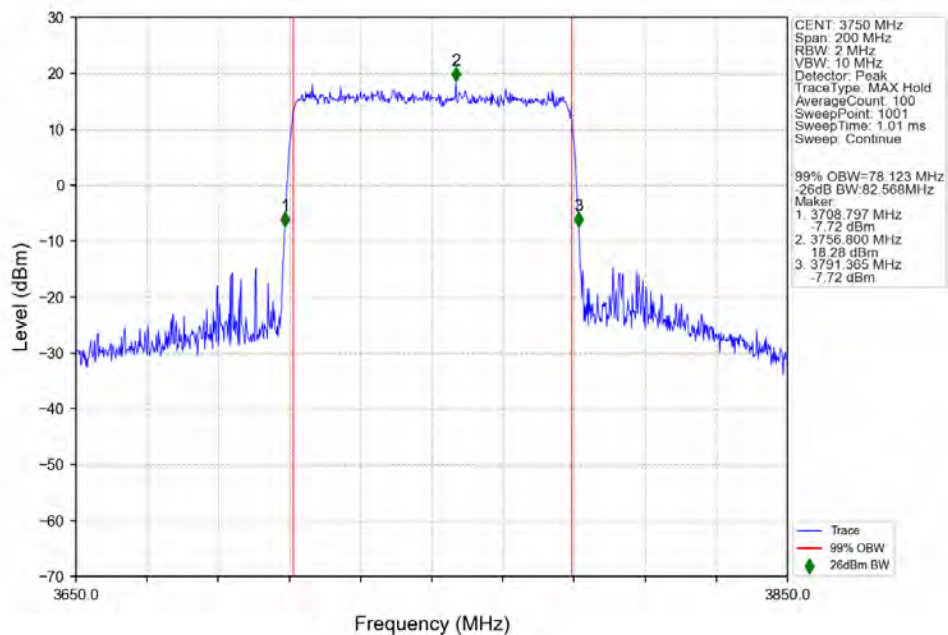
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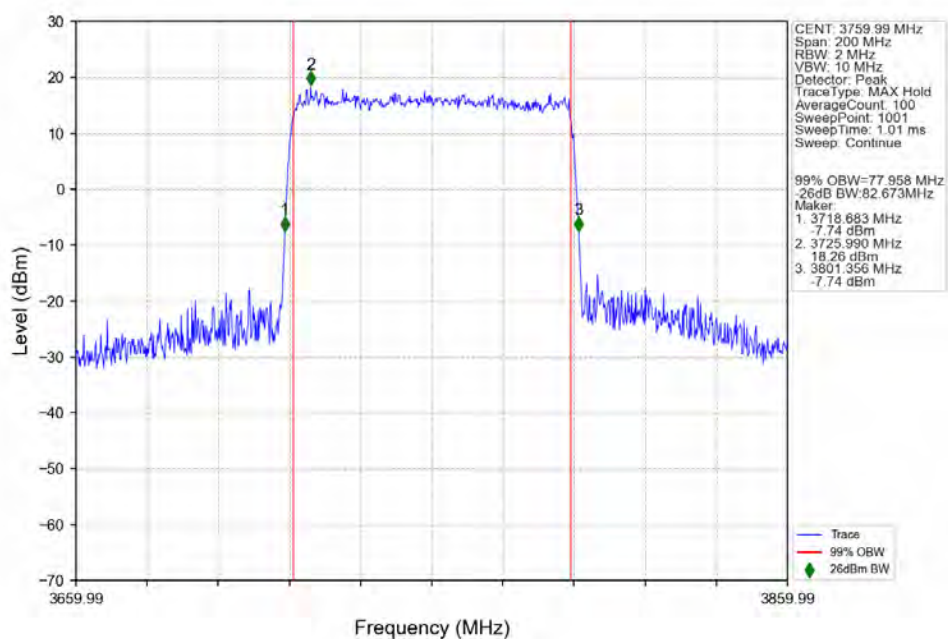
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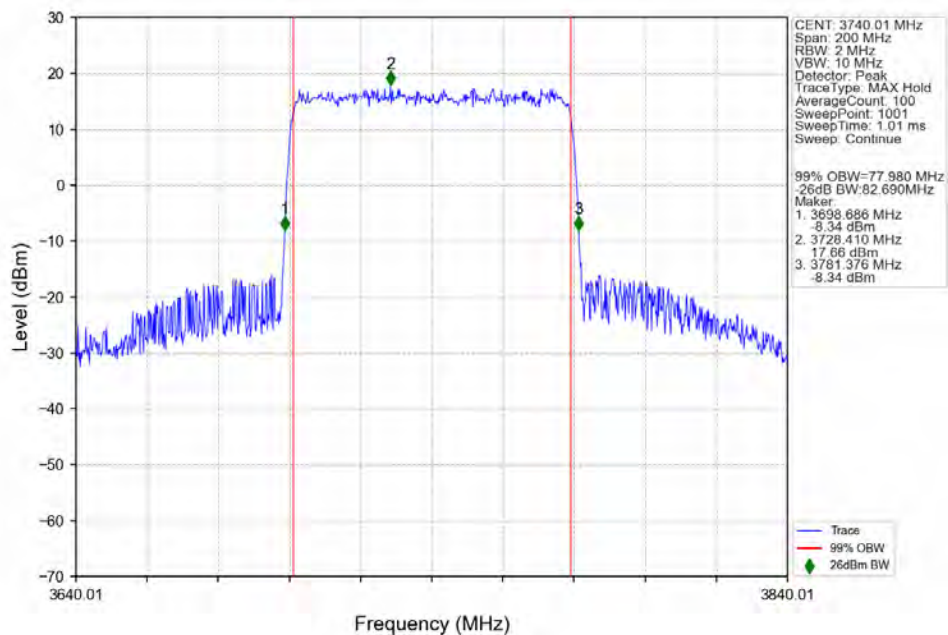
n78a_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3750MHz_Outer_Full_Ant1



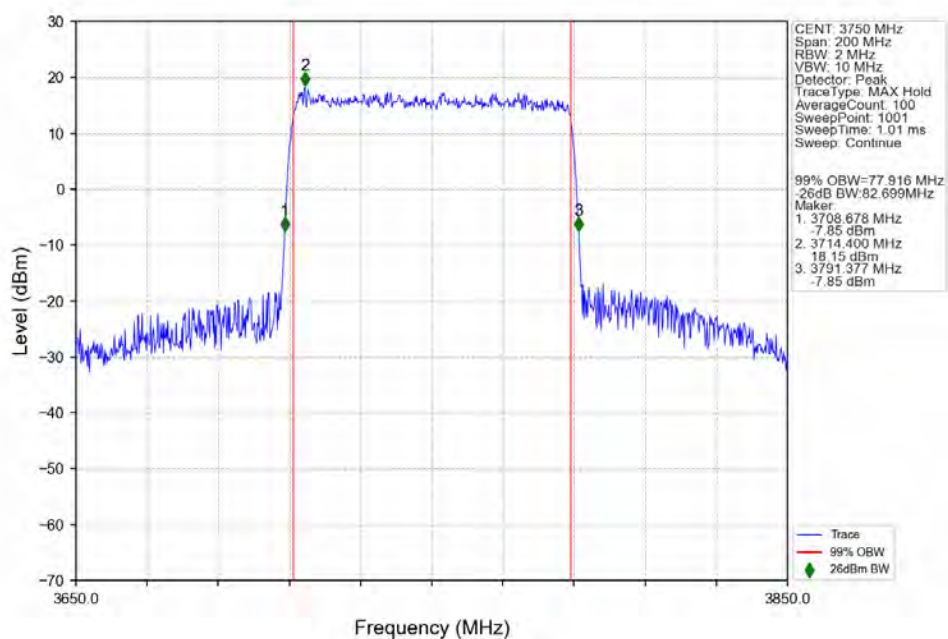
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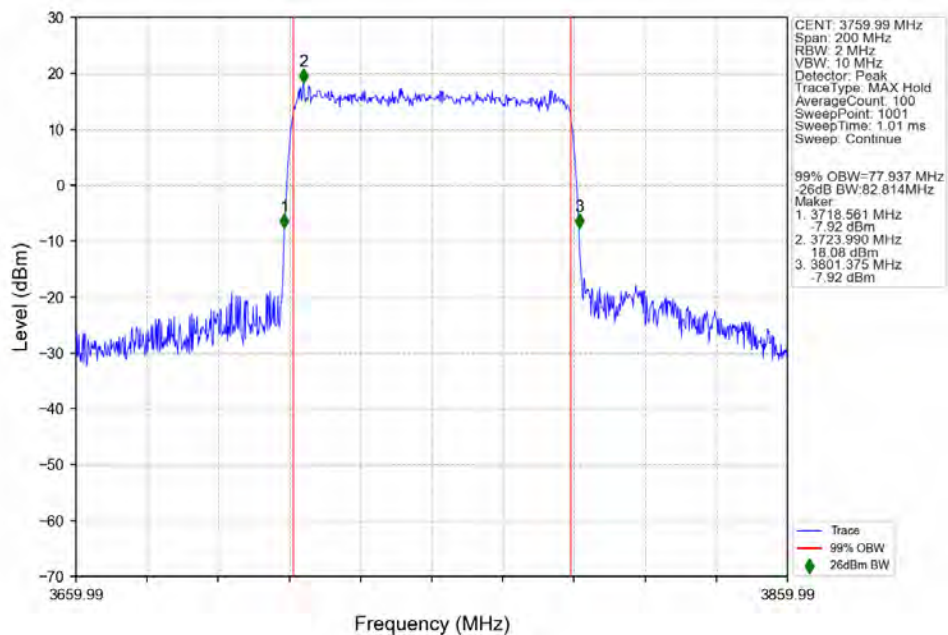
n78a_30kHz_SISO_NTNV_80MHz_CP-OFDM_16_QAM_3740.01MHz_Outer_Full_Ant1



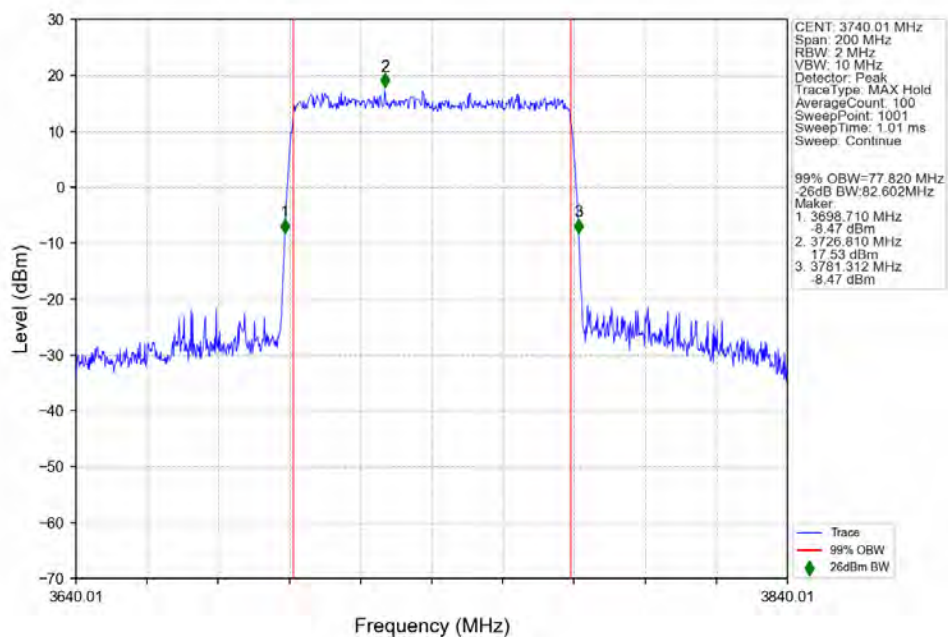
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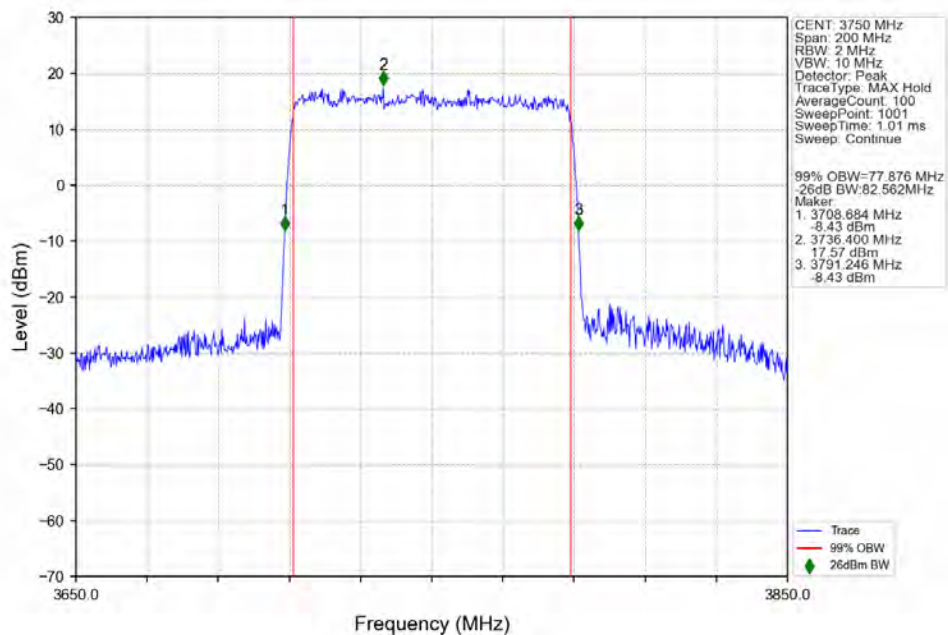
n78a_30kHz_SISO_NTNV_80MHz_CP-OFDM 16 QAM 3759.99MHz_Outer_Full_Ant1



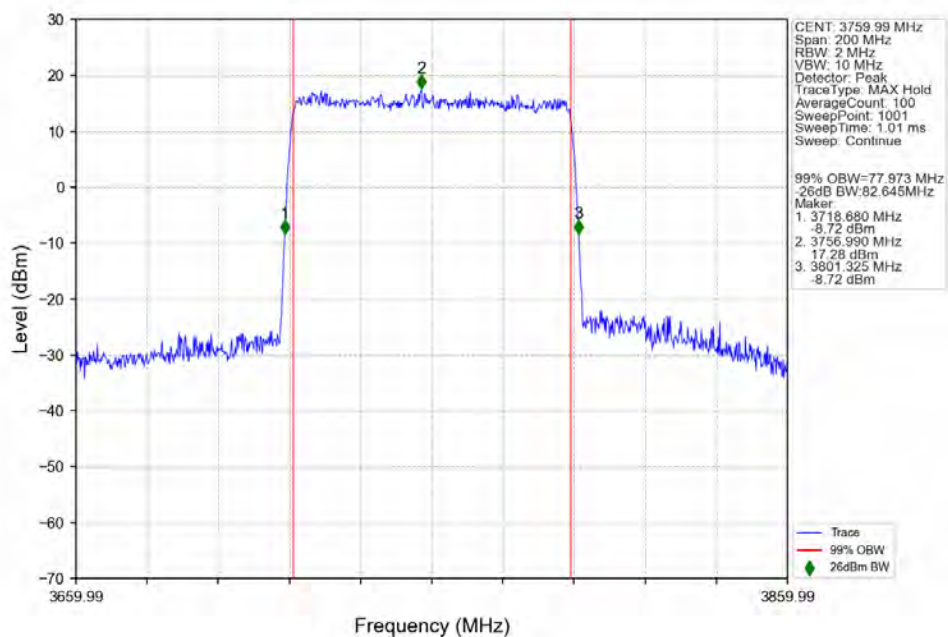
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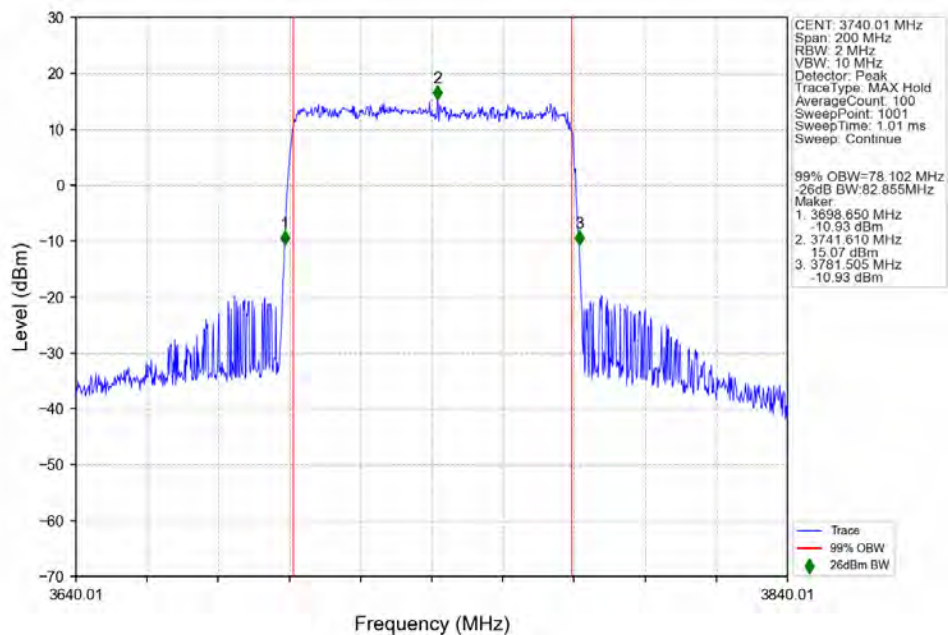
n78a_30kHz_SISO_NTNV_80MHz_CP-OFDM_64_QAM_3750MHz_Outer_Full_Ant1



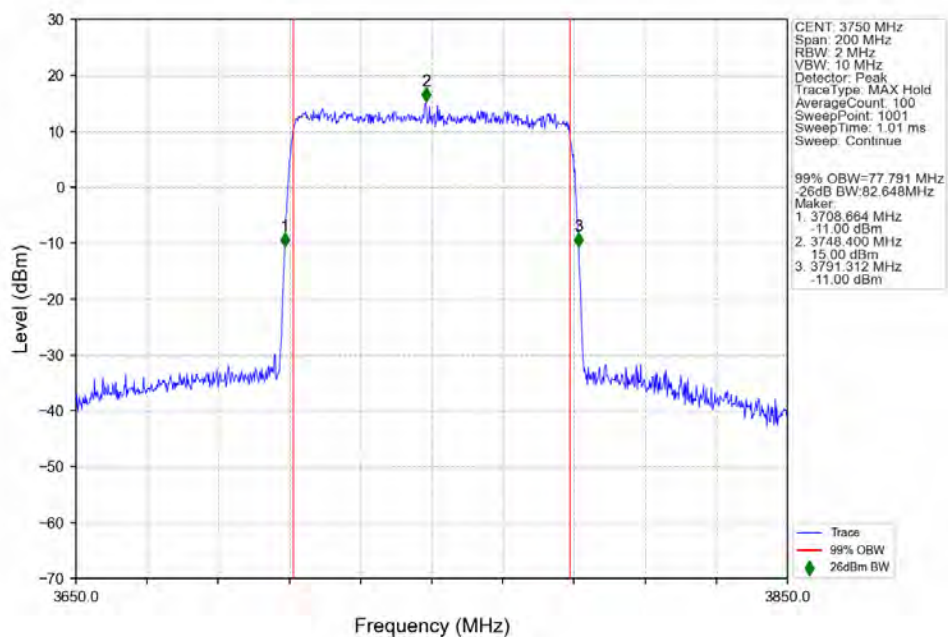
n78a_30kHz_SISO_NTNV_80MHz_CP-OFDM_64_QAM_3759.99MHz_Outer_Full_Ant1



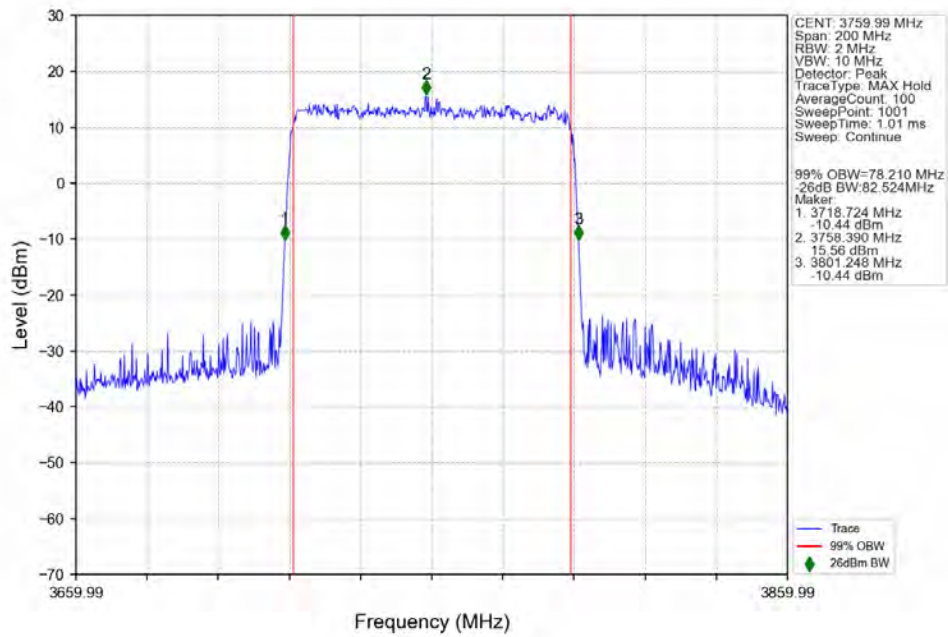
n78a_30kHz_SISO_NTNV_80MHz_CP-OFDM_256_QAM_3740.01MHz_Outer_Full_Ant1



n78a_30kHz_SISO_NTNV_80MHz_CP-OFDM_256_QAM_3750MHz_Outer_Full_Ant1

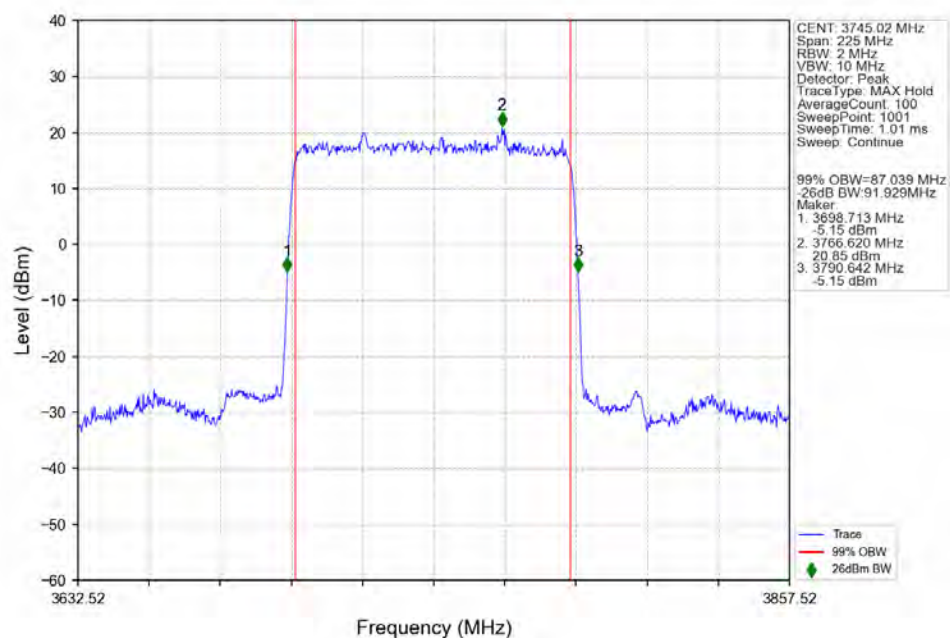


n78a_30kHz_SISO_NTNV_80MHz_CP-OFDM_256_QAM_3759.99MHz_Outer_Full_Ant1

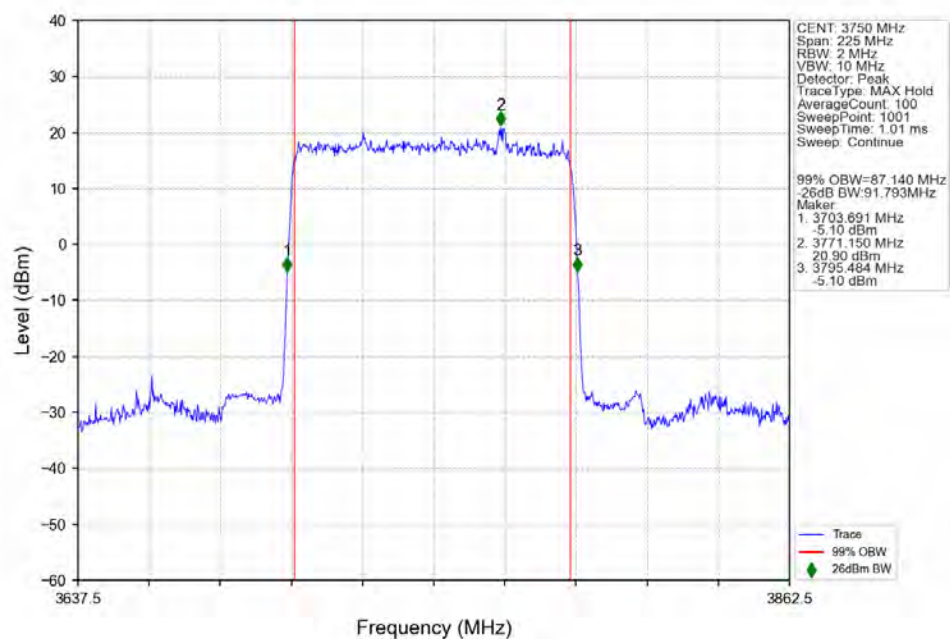


3.2.11 30k_SISO_90MHz_NTNV

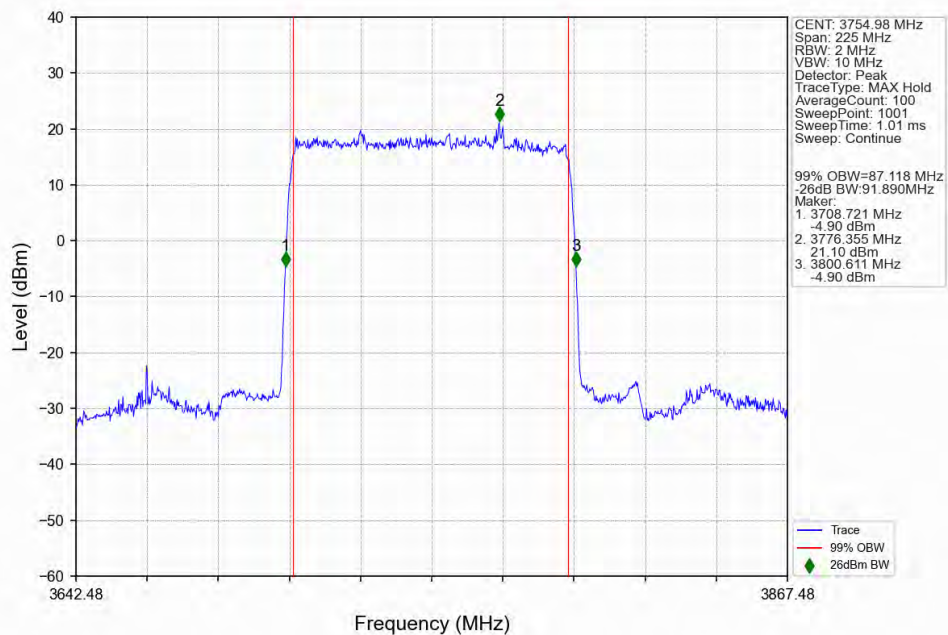
n78a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3745.02MHz_Outer_Full_Ant1



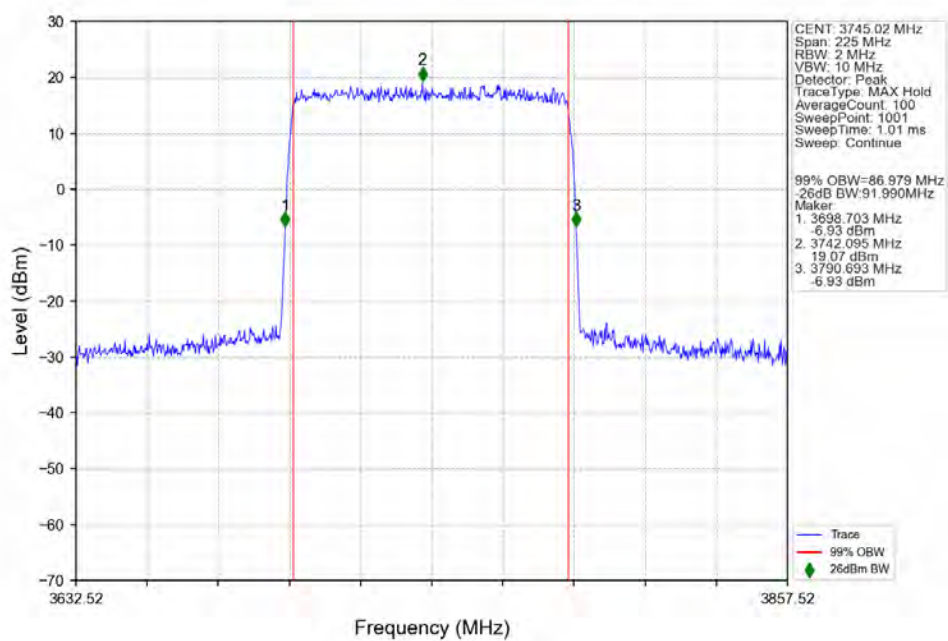
n78a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3750MHz_Outer_Full_Ant1



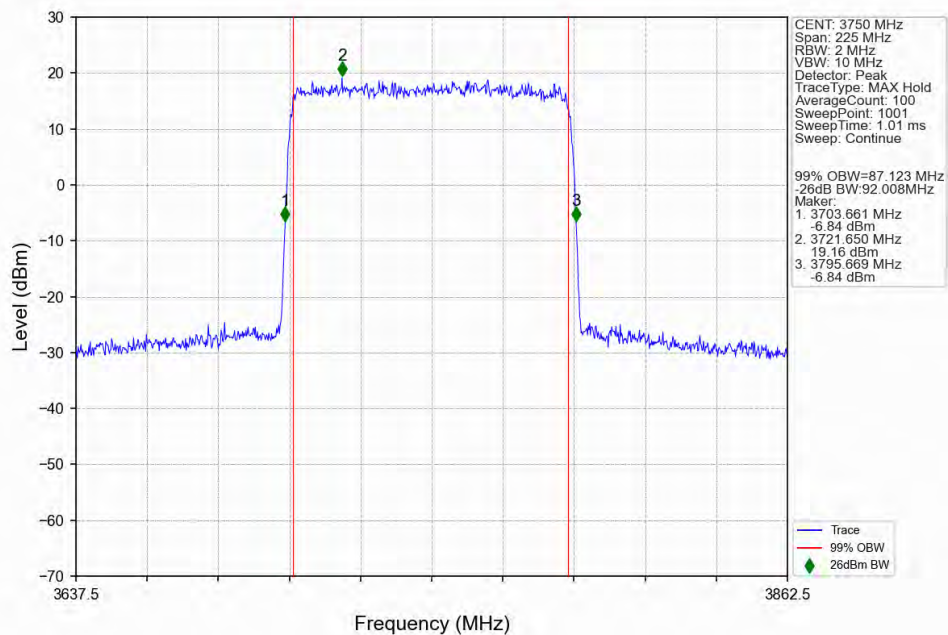
n78a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3754.98MHz_Outer_Full_Ant1



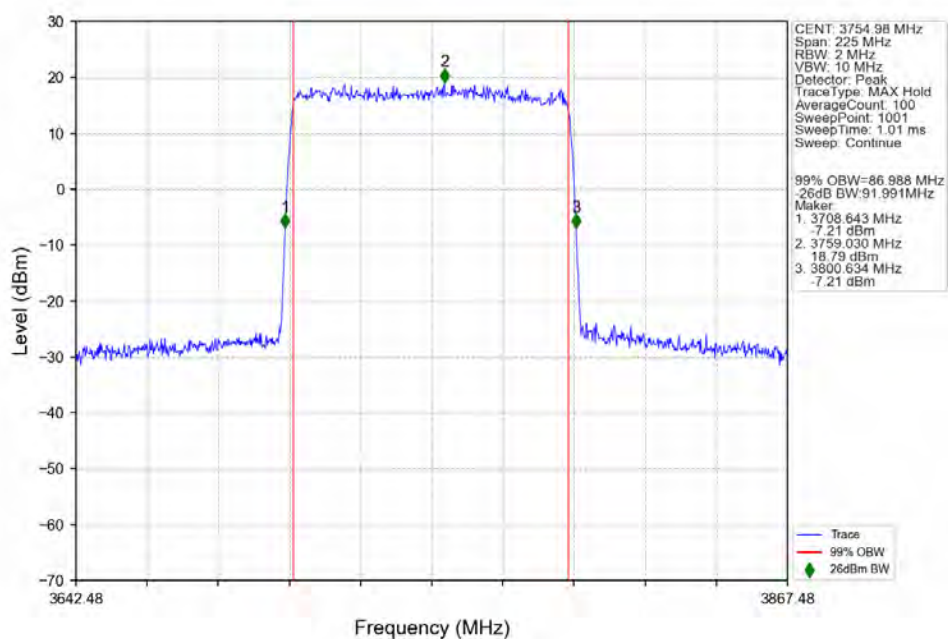
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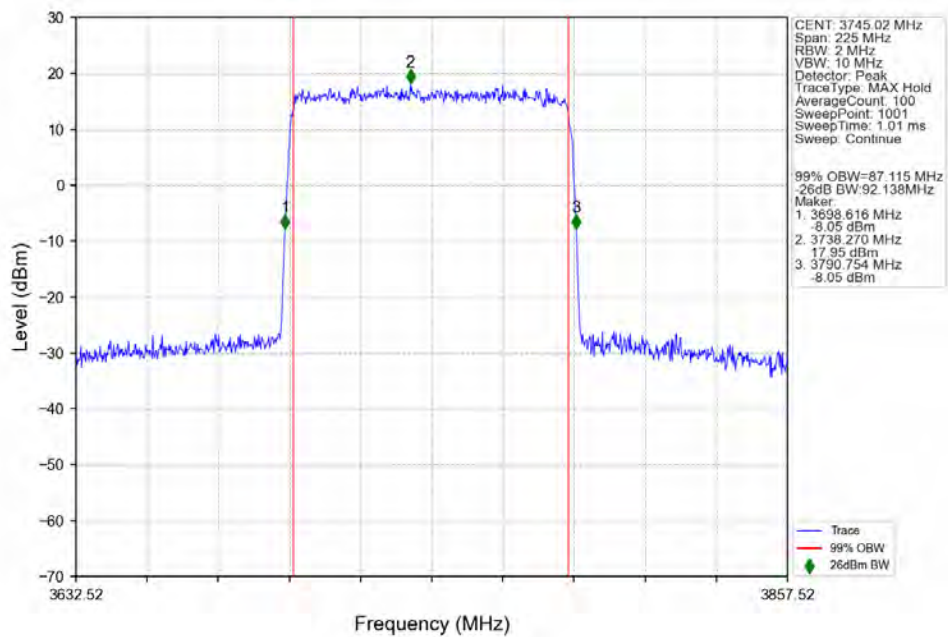
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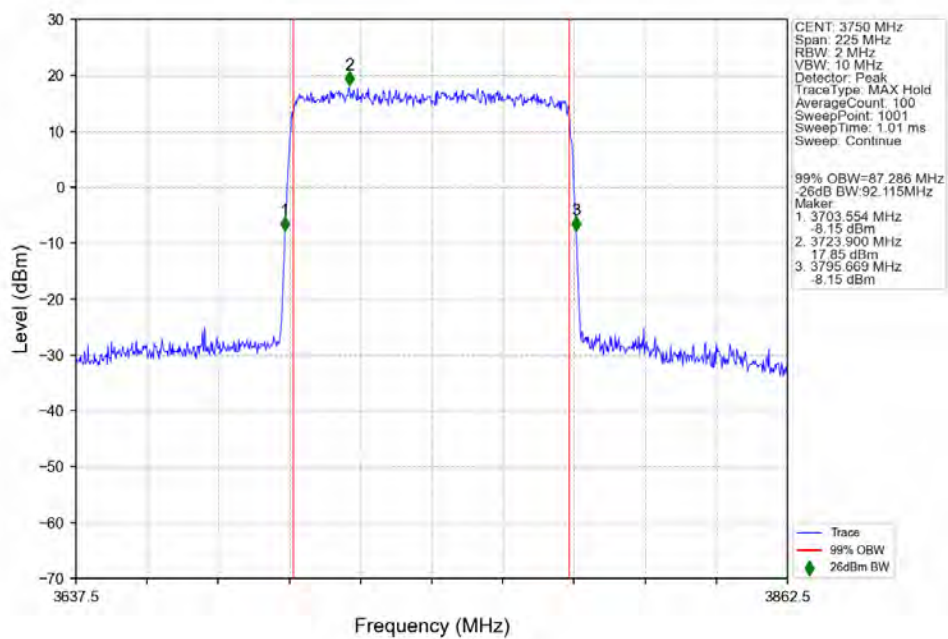
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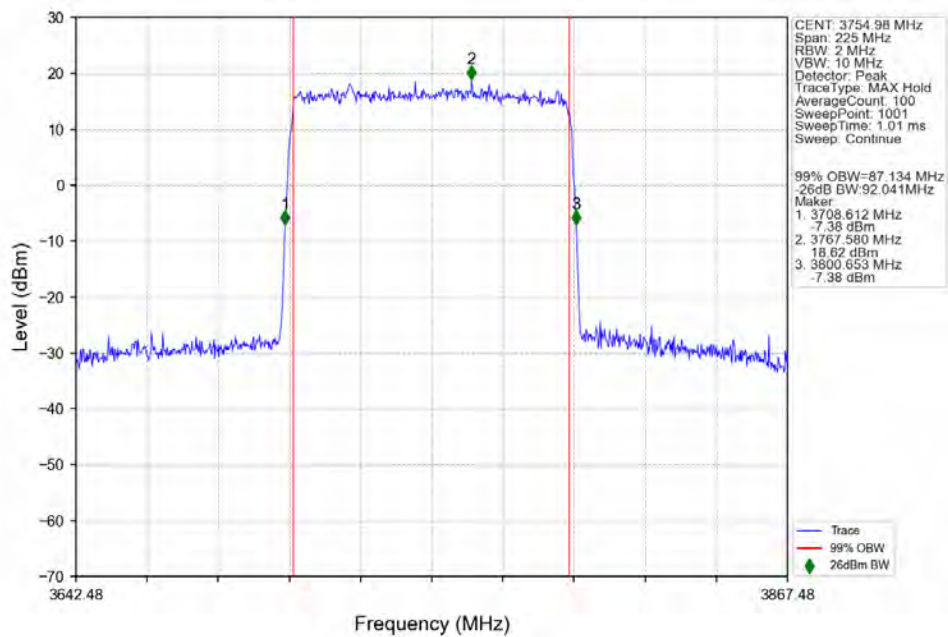
n78a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_3745.02MHz_Outer_Full_Ant1



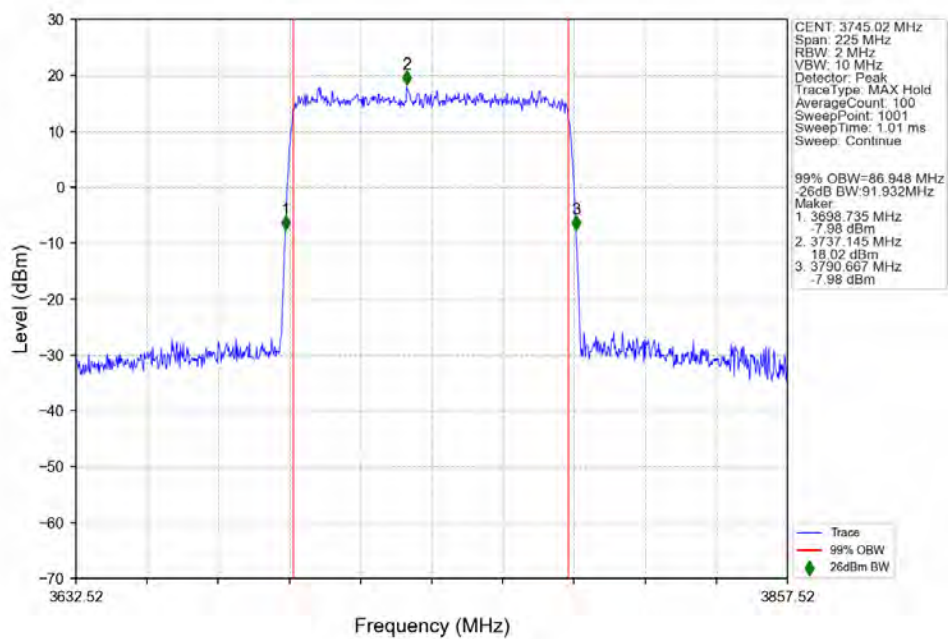
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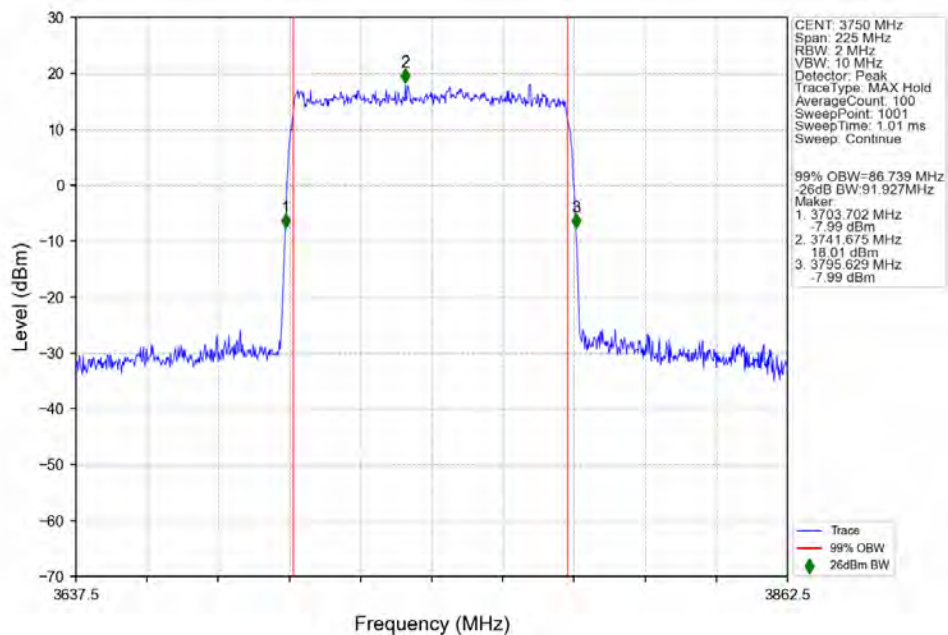
n78a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_3754.98MHz_Outer_Full_Ant1



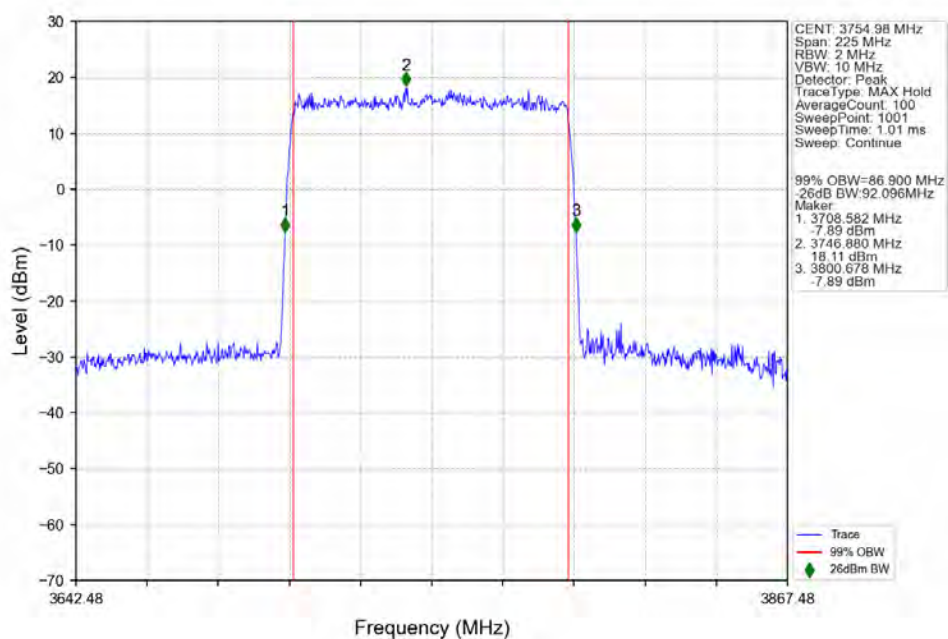
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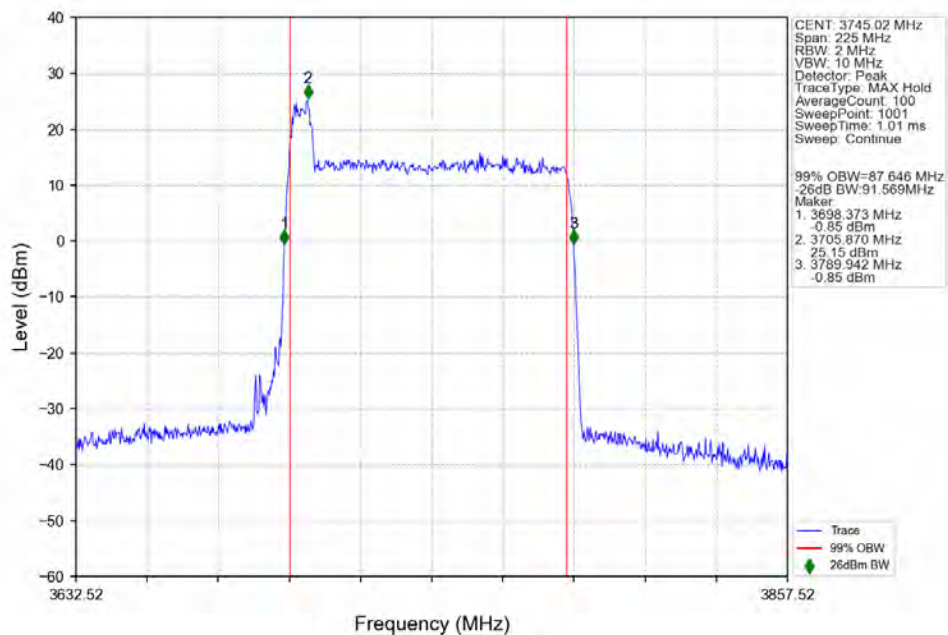
n78a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_64_QAM_3750MHz_Outer_Full_Ant1



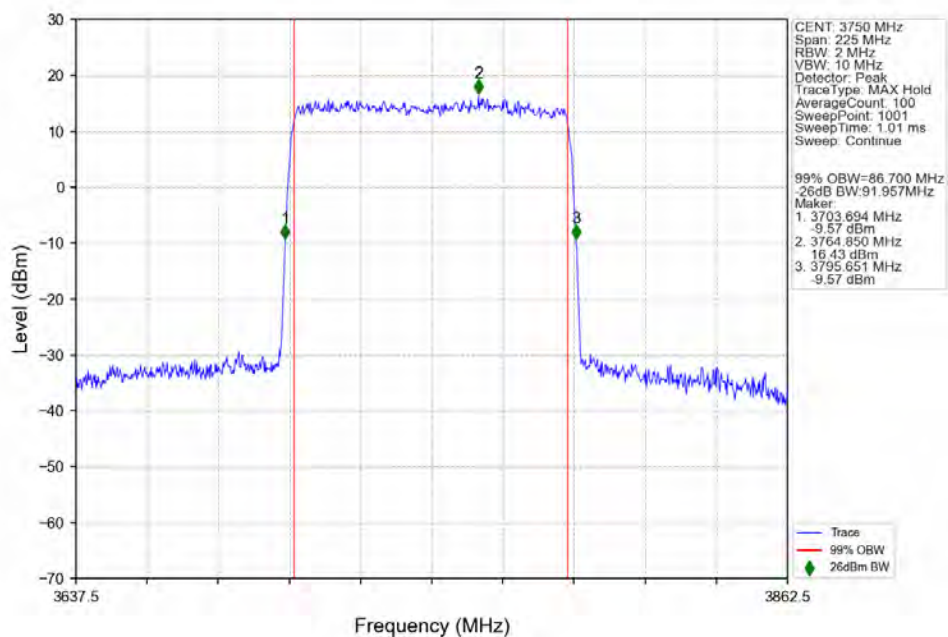
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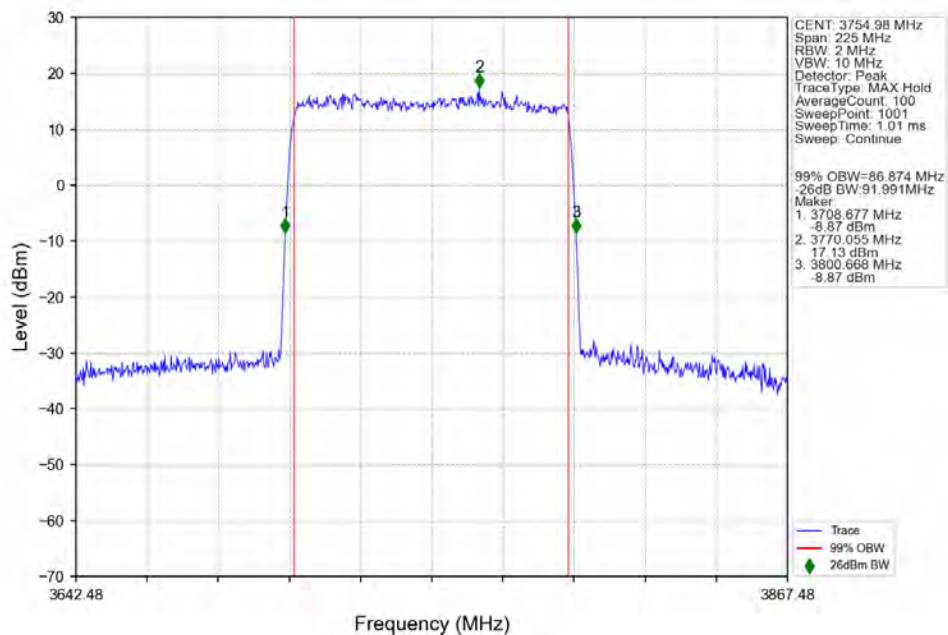
n78a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3745.02MHz_Outer_Full_Ant1



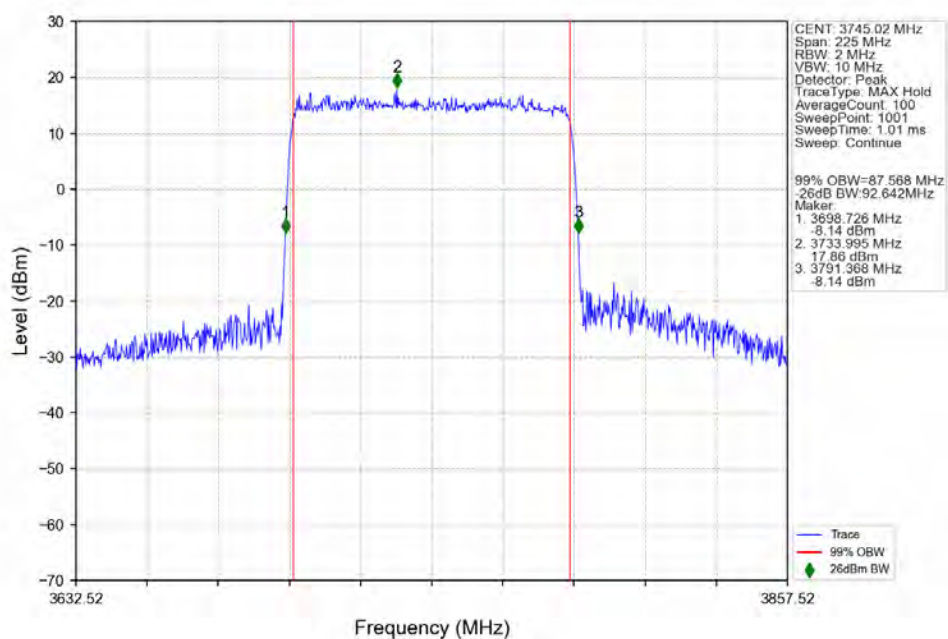
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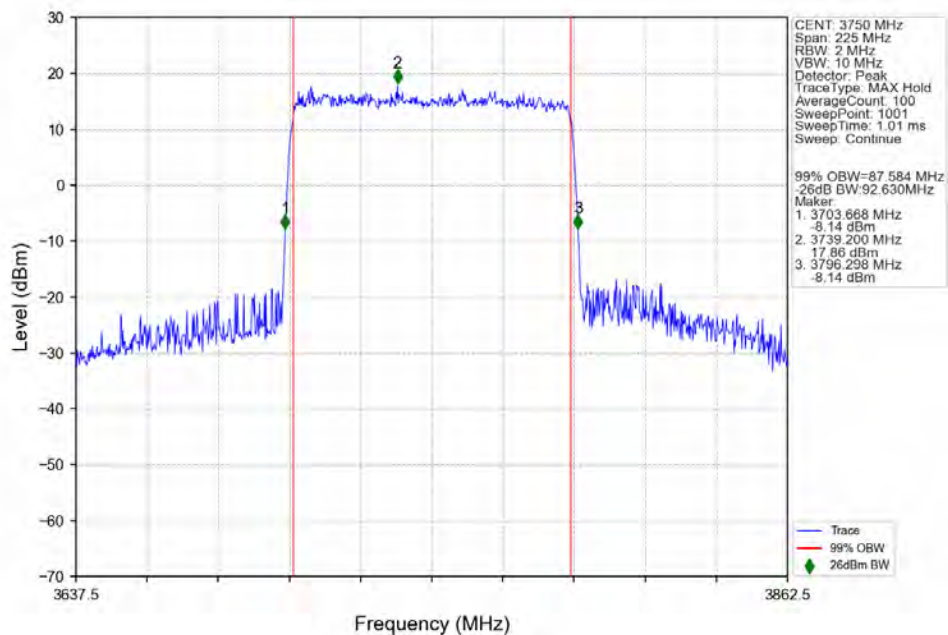
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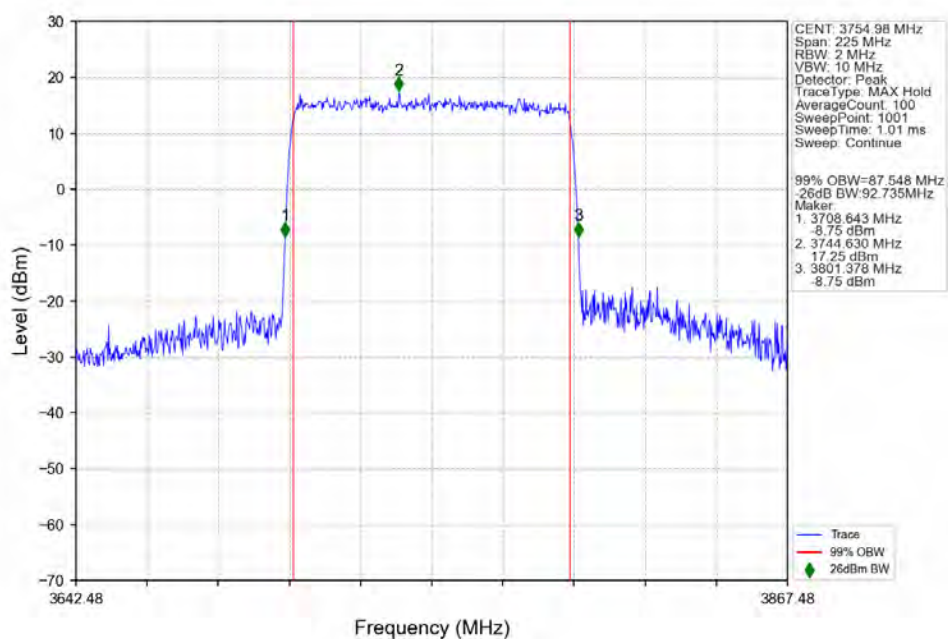
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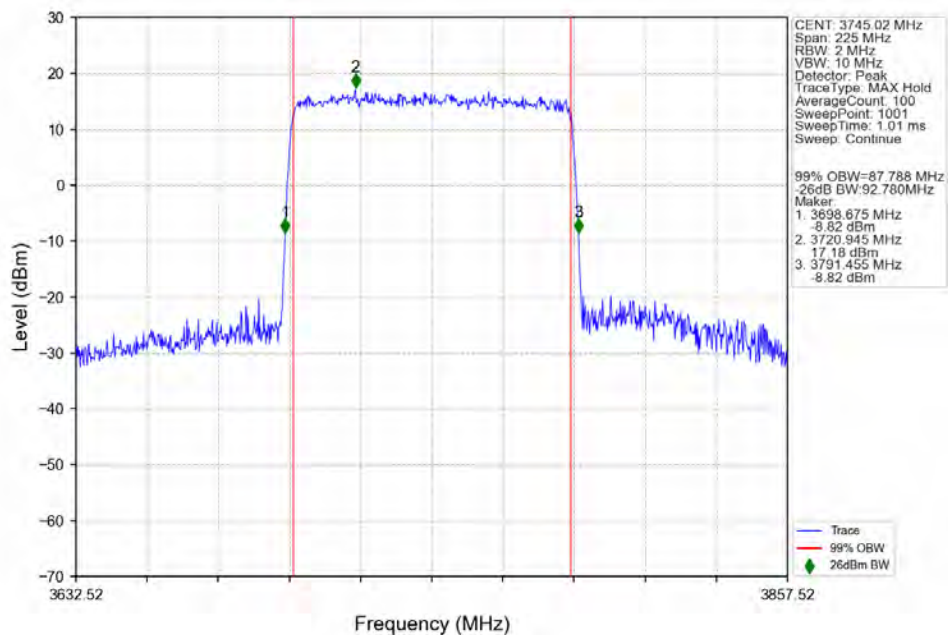
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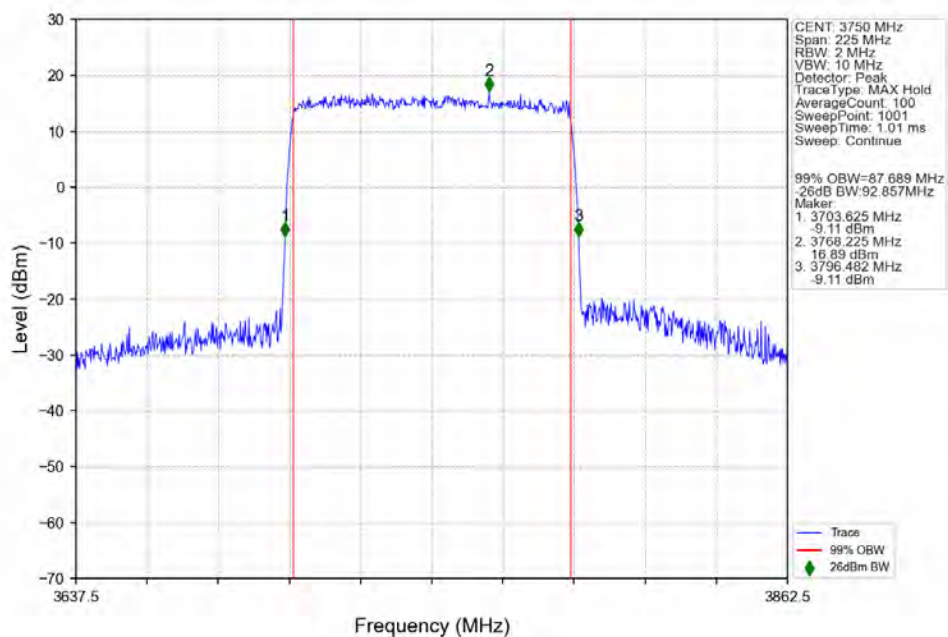
n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_3754.98MHz_Outer_Full_Ant1



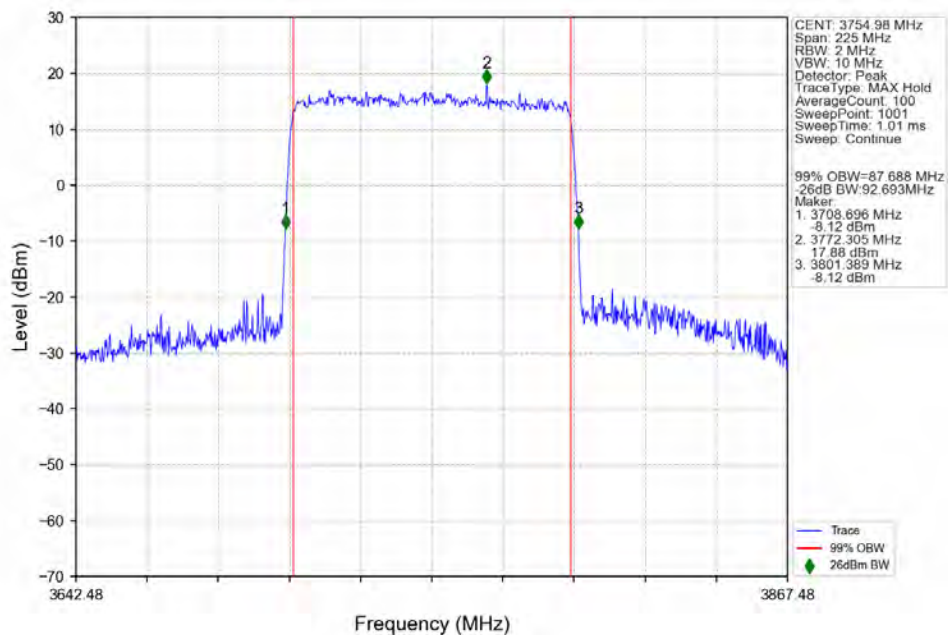
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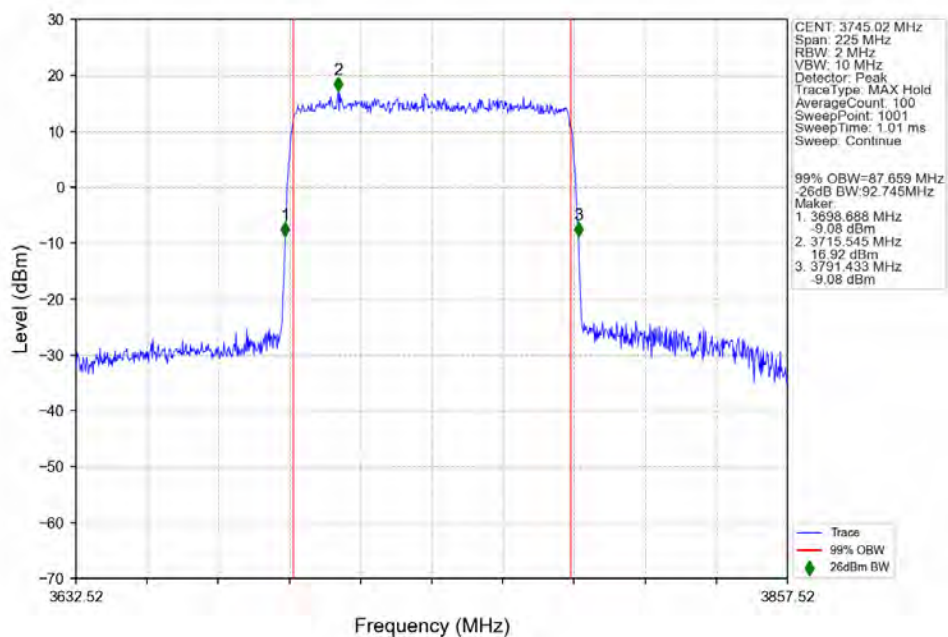
n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM_16_QAM_3750MHz_Outer_Full_Ant1



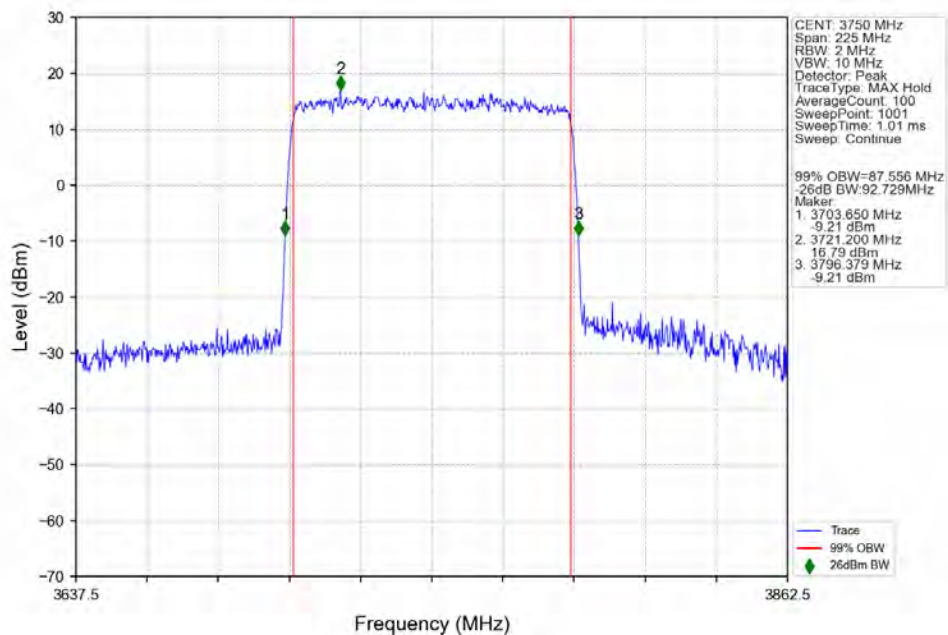
n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM_16_QAM_3754.98MHz_Outer_Full_Ant1



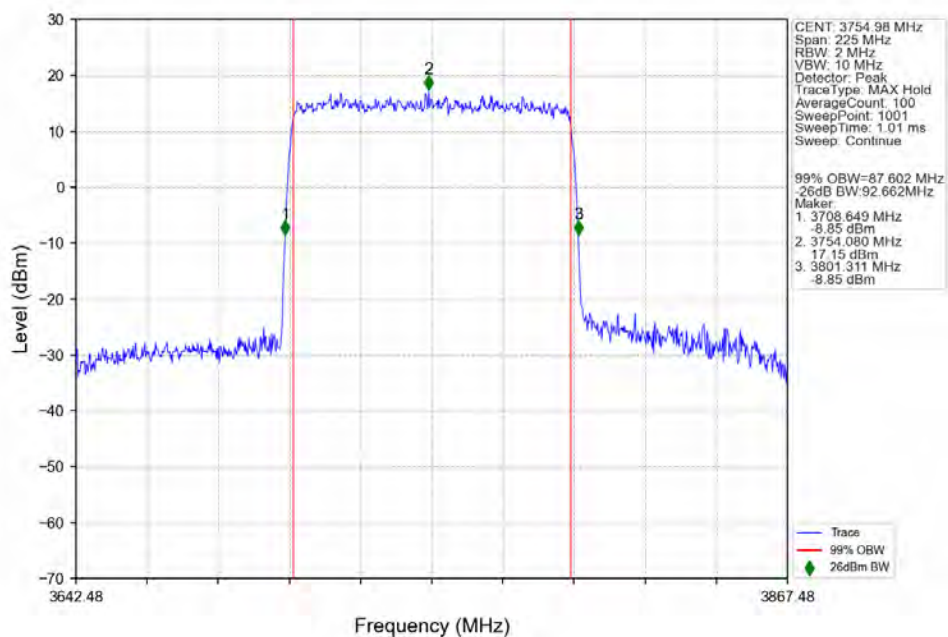
n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM_64_QAM_3745.02MHz_Outer_Full_Ant1



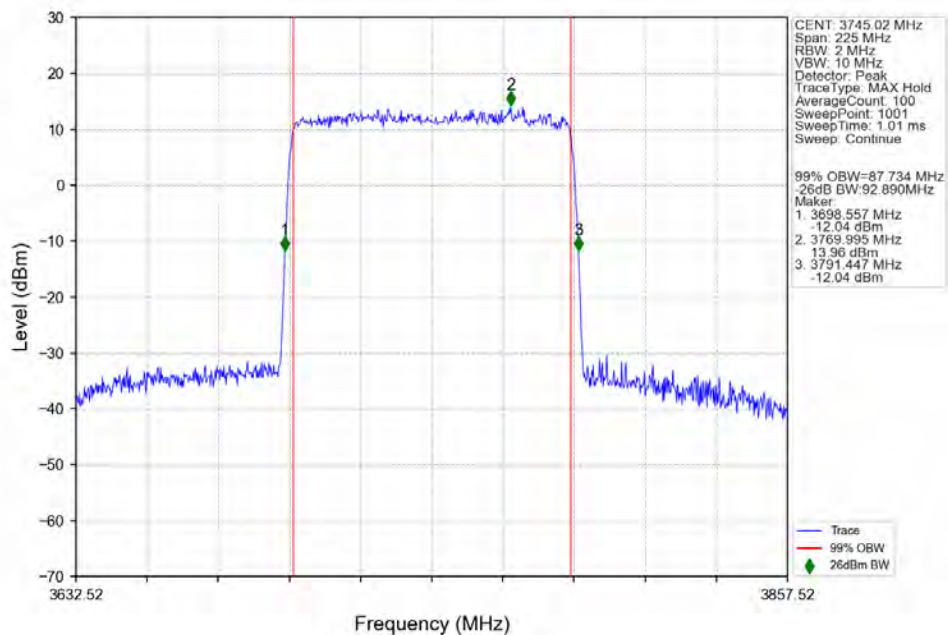
n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM_64_QAM_3750MHz_Outer_Full_Ant1



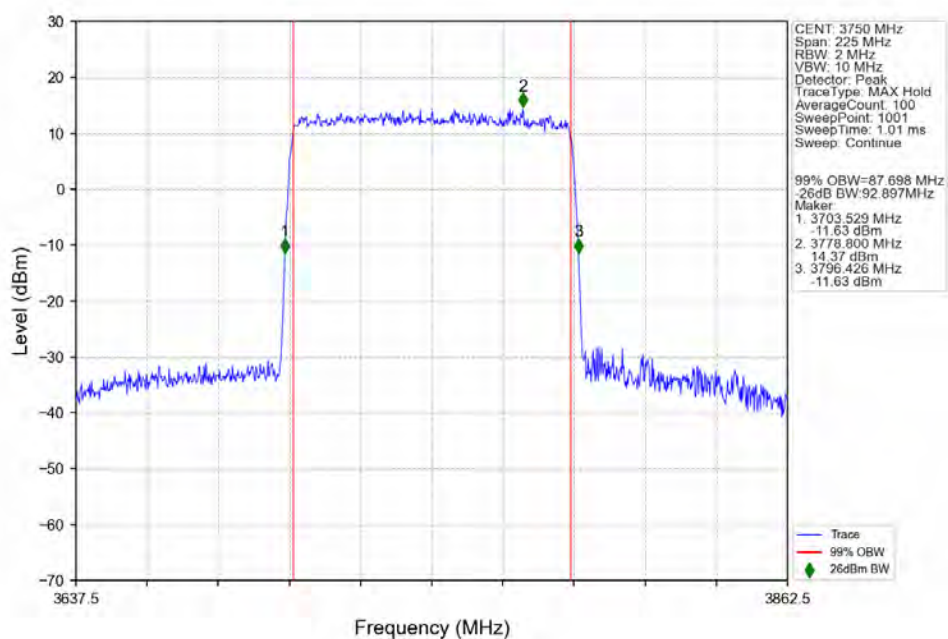
n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM_64_QAM_3754.98MHz_Outer_Full_Ant1



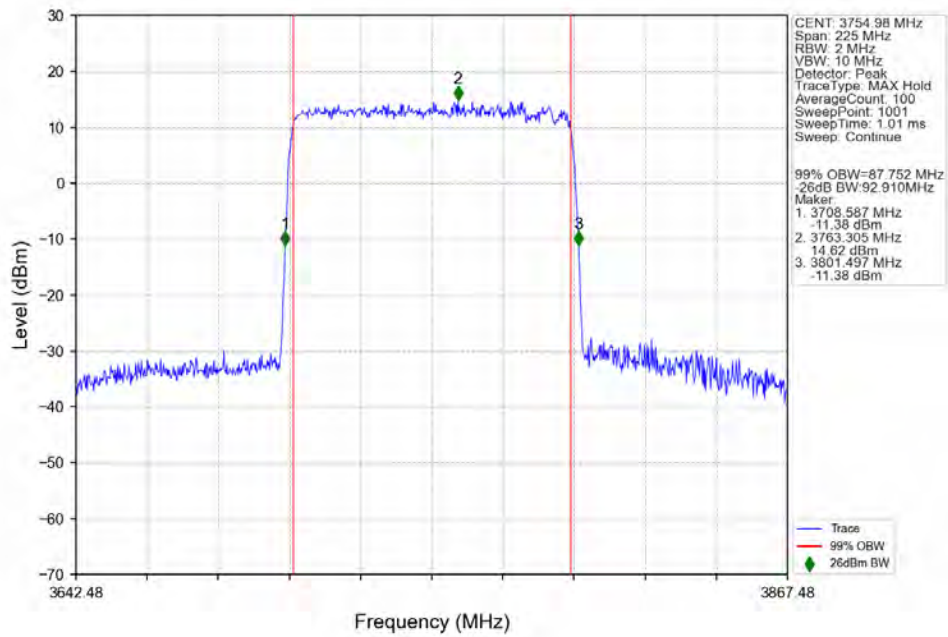
n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3745.02MHz_Outer_Full_Ant1



n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3750MHz_Outer_Full_Ant1

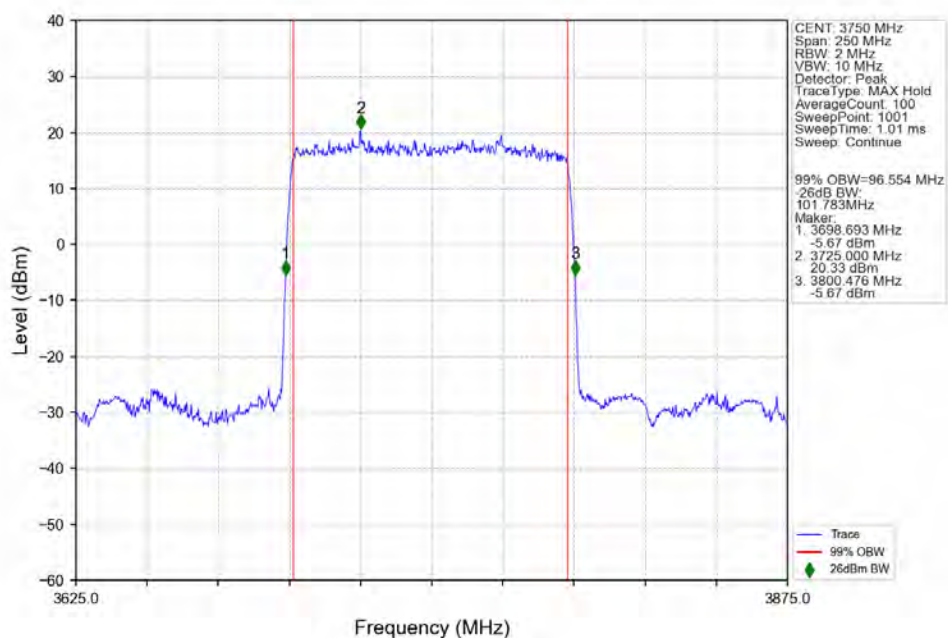


n78a_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3754.98MHz_Outer_Full_Ant1

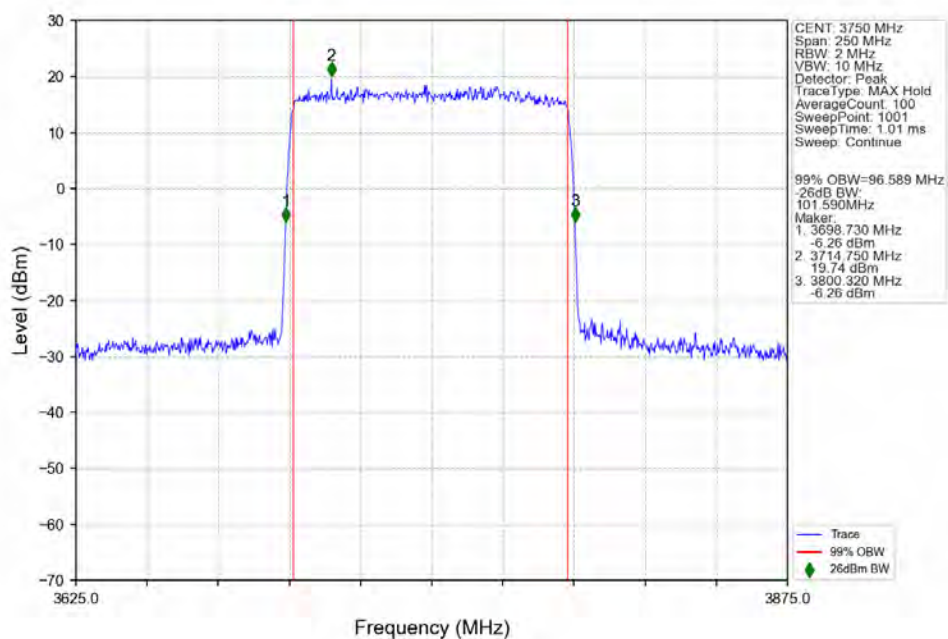


3.2.12 30k_SISO_100MHz_NTNV

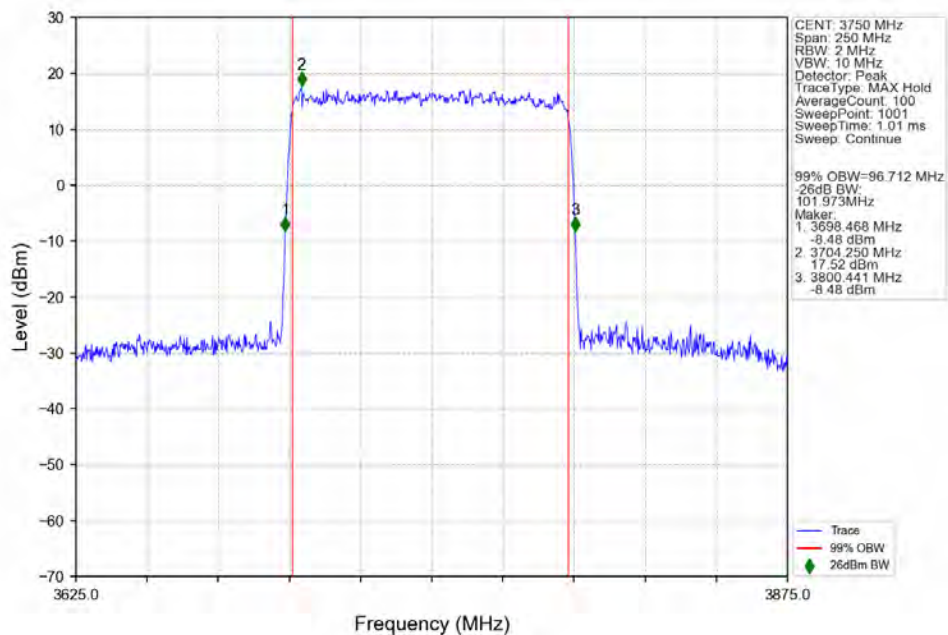
n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3750MHz_Outer_Full_Ant1



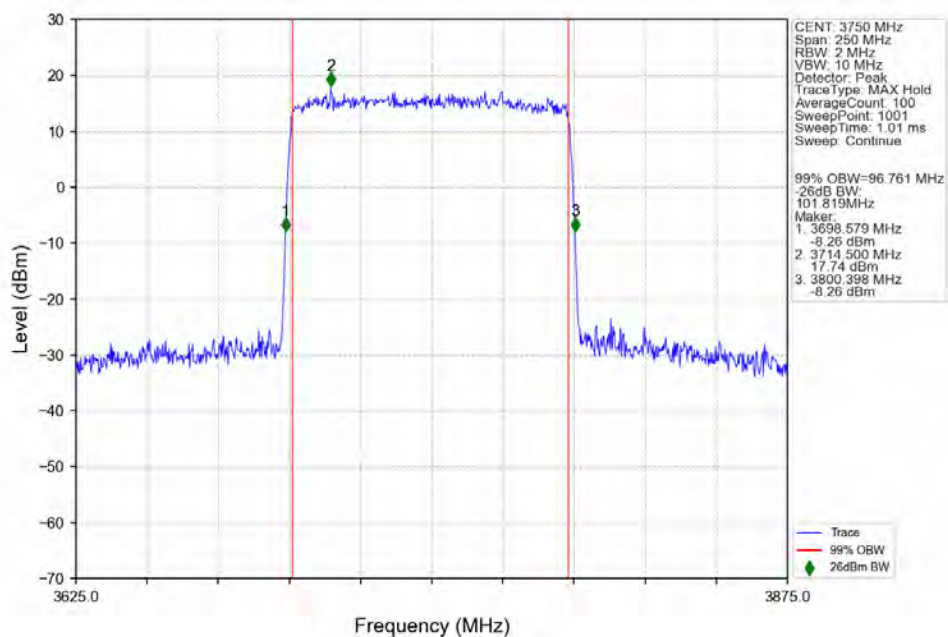
n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3750MHz_Outer_Full_Ant1



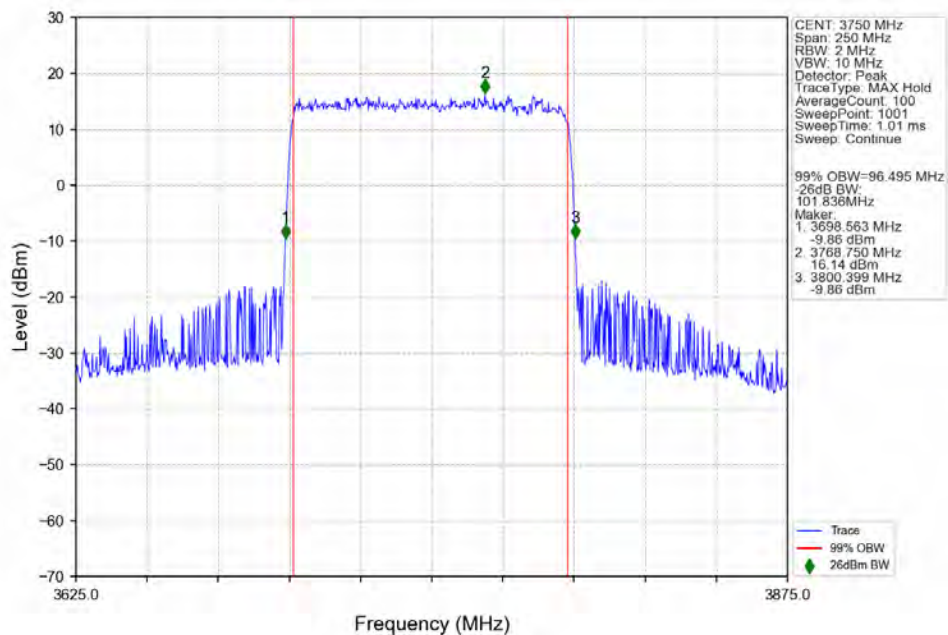
n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_3750MHz_Outer_Full_Ant1



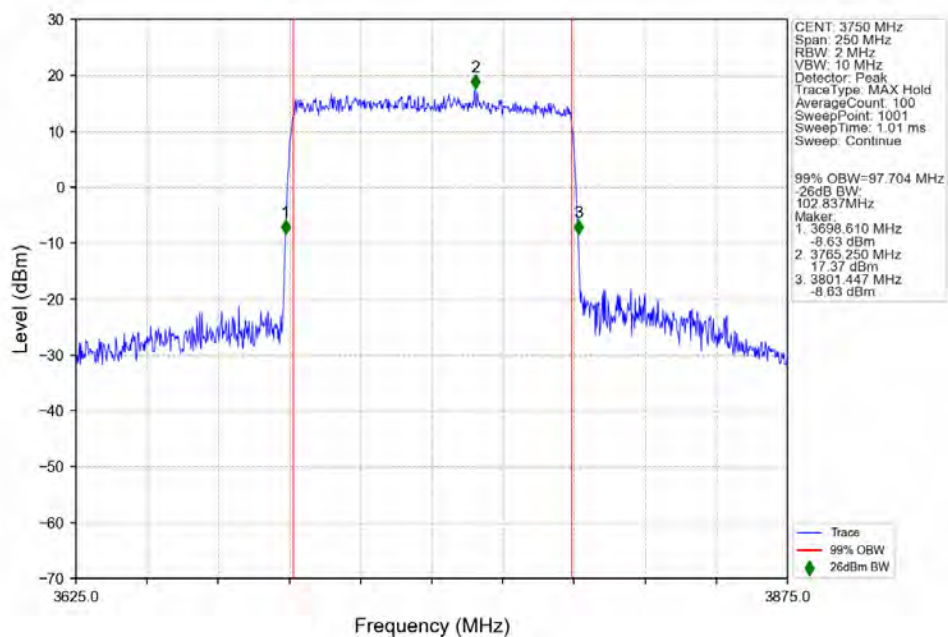
n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_3750MHz_Outer_Full_Ant1



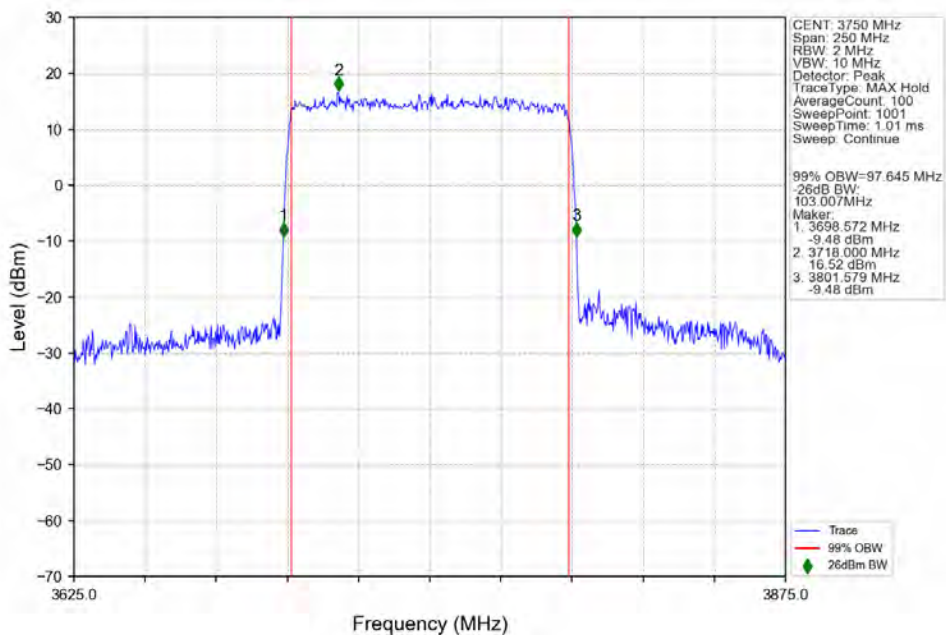
n78a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_256_QAM_3750MHz_Outer_Full_Ant1



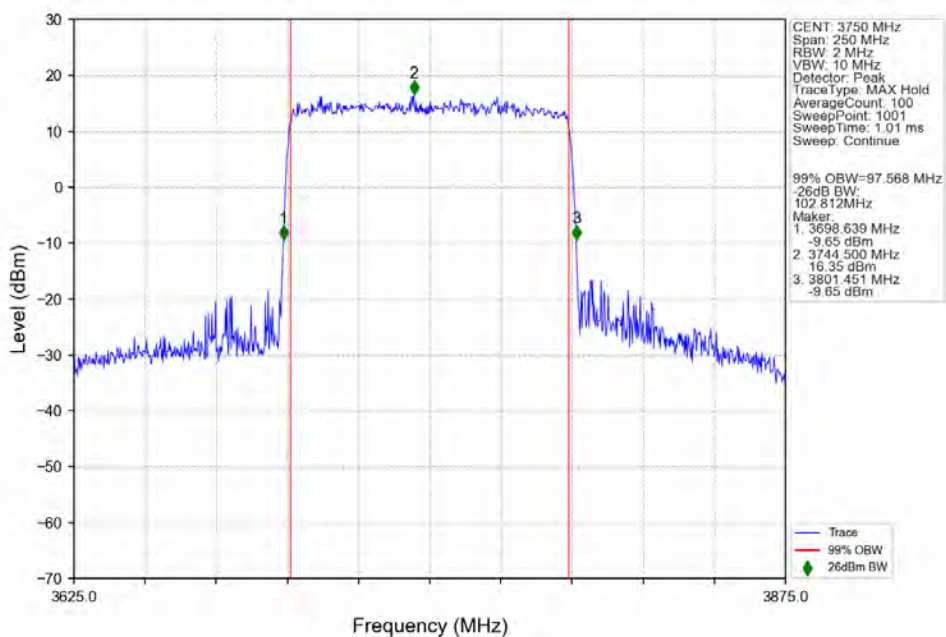
n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3750MHz_Outer_Full_Ant1



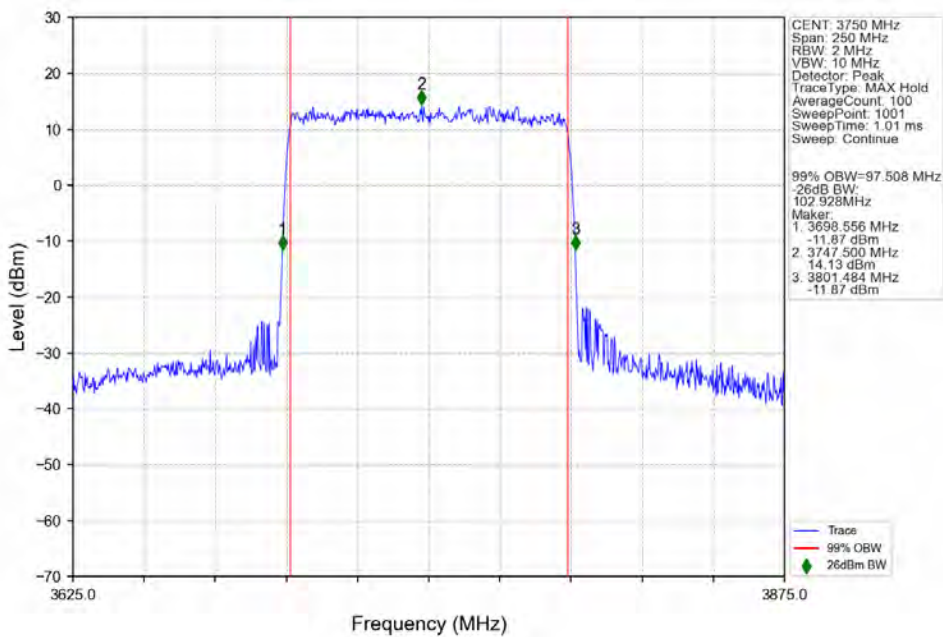
n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM_16 QAM_3750MHz_Outer_Full_Ant1



n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM_64 QAM_3750MHz_Outer_Full_Ant1



n78a_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_3750MHz_Outer_Full_Ant1



4. Peak-Average Ratio

4.1 Test Result

4.1.1 30k_SISO_10MHz_NTNV

5G NR n78a SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3705	Outer Full	4.60	/	/	<=13	Pass
	3750	Outer Full	4.56	/	/	<=13	Pass
	3795	Outer Full	4.50	/	/	<=13	Pass
DFT-s-OFDM QPSK	3705	Outer Full	12.24	/	/	<=13	Pass
	3750	Outer Full	5.74	/	/	<=13	Pass
	3795	Outer Full	5.76	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3705	Outer Full	12.28	/	/	<=13	Pass
	3750	Outer Full	6.62	/	/	<=13	Pass
	3795	Outer Full	6.50	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3705	Outer Full	12.24	/	/	<=13	Pass
	3750	Outer Full	6.54	/	/	<=13	Pass
	3795	Outer Full	6.60	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3705	Outer Full	6.90	/	/	<=13	Pass
	3750	Outer Full	6.92	/	/	<=13	Pass
	3795	Outer Full	6.62	/	/	<=13	Pass
CP-OFDM QPSK	3705	Outer Full	8.50	/	/	<=13	Pass
	3750	Outer Full	8.54	/	/	<=13	Pass
	3795	Outer Full	8.38	/	/	<=13	Pass
CP-OFDM 16 QAM	3705	Outer Full	8.32	/	/	<=13	Pass
	3750	Outer Full	8.20	/	/	<=13	Pass
	3795	Outer Full	8.20	/	/	<=13	Pass
CP-OFDM 64 QAM	3705	Outer Full	8.60	/	/	<=13	Pass
	3750	Outer Full	8.46	/	/	<=13	Pass
	3795	Outer Full	8.52	/	/	<=13	Pass
CP-OFDM 256 QAM	3705	Outer Full	8.82	/	/	<=13	Pass
	3750	Outer Full	8.82	/	/	<=13	Pass
	3795	Outer Full	8.72	/	/	<=13	Pass

4.1.2 30k_SISO_15MHz_NTNV

5G NR n78a SCS=30kHz SISO 15MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3707.52	Outer Full	4.48	/	/	<=13	Pass
	3750	Outer Full	4.46	/	/	<=13	Pass
	3792.48	Outer Full	4.40	/	/	<=13	Pass
DFT-s-OFDM QPSK	3707.52	Outer Full	5.76	/	/	<=13	Pass
	3750	Outer Full	5.82	/	/	<=13	Pass
	3792.48	Outer Full	5.76	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3707.52	Outer Full	6.46	/	/	<=13	Pass
	3750	Outer Full	6.52	/	/	<=13	Pass
	3792.48	Outer Full	6.40	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3707.52	Outer Full	6.70	/	/	<=13	Pass
	3750	Outer Full	6.60	/	/	<=13	Pass
	3792.48	Outer Full	6.54	/	/	<=13	Pass

DFT-s-OFDM 256 QAM	3707.52	Outer_Full	6.68	/	/	<=13	Pass
	3750	Outer_Full	6.70	/	/	<=13	Pass
	3792.48	Outer_Full	6.64	/	/	<=13	Pass
CP-OFDM QPSK	3707.52	Outer_Full	8.22	/	/	<=13	Pass
	3750	Outer_Full	8.28	/	/	<=13	Pass
	3792.48	Outer_Full	8.20	/	/	<=13	Pass
CP-OFDM 16 QAM	3707.52	Outer_Full	8.46	/	/	<=13	Pass
	3750	Outer_Full	8.44	/	/	<=13	Pass
	3792.48	Outer_Full	8.40	/	/	<=13	Pass
CP-OFDM 64 QAM	3707.52	Outer_Full	8.32	/	/	<=13	Pass
	3750	Outer_Full	8.30	/	/	<=13	Pass
	3792.48	Outer_Full	8.16	/	/	<=13	Pass
CP-OFDM 256 QAM	3707.52	Outer_Full	8.56	/	/	<=13	Pass
	3750	Outer_Full	8.46	/	/	<=13	Pass
	3792.48	Outer_Full	8.46	/	/	<=13	Pass

4.1.3 30k_SISO_20MHz_NTNV

5G NR n78a SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3710.01	Outer_Full	4.54	/	/	<=13	Pass
	3750	Outer_Full	4.58	/	/	<=13	Pass
	3789.99	Outer_Full	4.54	/	/	<=13	Pass
DFT-s-OFDM QPSK	3710.01	Outer_Full	5.70	/	/	<=13	Pass
	3750	Outer_Full	5.68	/	/	<=13	Pass
	3789.99	Outer_Full	5.70	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3710.01	Outer_Full	6.60	/	/	<=13	Pass
	3750	Outer_Full	6.58	/	/	<=13	Pass
	3789.99	Outer_Full	6.38	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3710.01	Outer_Full	6.52	/	/	<=13	Pass
	3750	Outer_Full	6.50	/	/	<=13	Pass
	3789.99	Outer_Full	6.54	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3710.01	Outer_Full	6.74	/	/	<=13	Pass
	3750	Outer_Full	6.72	/	/	<=13	Pass
	3789.99	Outer_Full	6.60	/	/	<=13	Pass
CP-OFDM QPSK	3710.01	Outer_Full	8.42	/	/	<=13	Pass
	3750	Outer_Full	8.42	/	/	<=13	Pass
	3789.99	Outer_Full	8.34	/	/	<=13	Pass
CP-OFDM 16 QAM	3710.01	Outer_Full	8.26	/	/	<=13	Pass
	3750	Outer_Full	8.26	/	/	<=13	Pass
	3789.99	Outer_Full	8.30	/	/	<=13	Pass
CP-OFDM 64 QAM	3710.01	Outer_Full	8.30	/	/	<=13	Pass
	3750	Outer_Full	8.30	/	/	<=13	Pass
	3789.99	Outer_Full	8.24	/	/	<=13	Pass
CP-OFDM 256 QAM	3710.01	Outer_Full	8.42	/	/	<=13	Pass
	3750	Outer_Full	8.56	/	/	<=13	Pass
	3789.99	Outer_Full	8.46	/	/	<=13	Pass

4.1.4 30k_SISO_25MHz_NTNV

5G NR n78a SCS=30kHz SISO 25MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3712.5	Outer_Full	4.56	/	/	<=13	Pass
	3750	Outer_Full	4.54	/	/	<=13	Pass

	3787.5	Outer Full	4.52	/	/	<=13	Pass
DFT-s-OFDM QPSK	3712.5	Outer Full	5.66	/	/	<=13	Pass
	3750	Outer Full	5.74	/	/	<=13	Pass
	3787.5	Outer Full	5.64	/	/	<=13	Pass
	3712.5	Outer Full	6.44	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3750	Outer Full	6.46	/	/	<=13	Pass
	3787.5	Outer Full	6.38	/	/	<=13	Pass
	3712.5	Outer Full	6.60	/	/	<=13	Pass
	3750	Outer Full	6.54	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3787.5	Outer Full	6.52	/	/	<=13	Pass
	3712.5	Outer Full	6.76	/	/	<=13	Pass
	3750	Outer Full	6.76	/	/	<=13	Pass
	3787.5	Outer Full	6.72	/	/	<=13	Pass
CP-OFDM QPSK	3712.5	Outer Full	8.22	/	/	<=13	Pass
	3750	Outer Full	8.18	/	/	<=13	Pass
	3787.5	Outer Full	8.12	/	/	<=13	Pass
	3712.5	Outer Full	8.36	/	/	<=13	Pass
CP-OFDM 16 QAM	3750	Outer Full	8.30	/	/	<=13	Pass
	3787.5	Outer Full	8.24	/	/	<=13	Pass
	3712.5	Outer Full	8.38	/	/	<=13	Pass
	3750	Outer Full	8.32	/	/	<=13	Pass
CP-OFDM 64 QAM	3787.5	Outer Full	8.24	/	/	<=13	Pass
	3712.5	Outer Full	8.64	/	/	<=13	Pass
	3750	Outer Full	8.64	/	/	<=13	Pass
	3787.5	Outer Full	8.52	/	/	<=13	Pass

4.1.5 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	4.46	/	/	<=13	Pass
	3750	Outer Full	4.46	/	/	<=13	Pass
	3784.98	Outer Full	4.46	/	/	<=13	Pass
DFT-s-OFDM QPSK	3715.02	Outer Full	5.62	/	/	<=13	Pass
	3750	Outer Full	5.64	/	/	<=13	Pass
	3784.98	Outer Full	5.60	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3715.02	Outer Full	6.44	/	/	<=13	Pass
	3750	Outer Full	6.40	/	/	<=13	Pass
	3784.98	Outer Full	6.42	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3715.02	Outer Full	6.64	/	/	<=13	Pass
	3750	Outer Full	6.58	/	/	<=13	Pass
	3784.98	Outer Full	6.56	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3715.02	Outer Full	6.66	/	/	<=13	Pass
	3750	Outer Full	6.68	/	/	<=13	Pass
	3784.98	Outer Full	6.58	/	/	<=13	Pass
CP-OFDM QPSK	3715.02	Outer Full	8.14	/	/	<=13	Pass
	3750	Outer Full	8.12	/	/	<=13	Pass
	3784.98	Outer Full	8.06	/	/	<=13	Pass
CP-OFDM 16 QAM	3715.02	Outer Full	8.24	/	/	<=13	Pass
	3750	Outer Full	8.22	/	/	<=13	Pass
	3784.98	Outer Full	8.26	/	/	<=13	Pass
CP-OFDM 64 QAM	3715.02	Outer Full	8.30	/	/	<=13	Pass
	3750	Outer Full	8.28	/	/	<=13	Pass
	3784.98	Outer Full	8.24	/	/	<=13	Pass
CP-OFDM 256 QAM	3715.02	Outer Full	8.66	/	/	<=13	Pass
	3750	Outer Full	8.64	/	/	<=13	Pass

	3784.98	Outer_Full	8.56	/	/	<=13	Pass
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4.1.6 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	4.44	/	/	<=13	Pass
	3750	Outer_Full	4.54	/	/	<=13	Pass
	3780	Outer_Full	4.44	/	/	<=13	Pass
DFT-s-OFDM QPSK	3720	Outer_Full	5.76	/	/	<=13	Pass
	3750	Outer_Full	5.84	/	/	<=13	Pass
	3780	Outer_Full	5.74	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3720	Outer_Full	6.36	/	/	<=13	Pass
	3750	Outer_Full	6.40	/	/	<=13	Pass
	3780	Outer_Full	6.32	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	6.56	/	/	<=13	Pass
	3750	Outer_Full	6.64	/	/	<=13	Pass
	3780	Outer_Full	6.54	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	6.76	/	/	<=13	Pass
	3750	Outer_Full	6.72	/	/	<=13	Pass
	3780	Outer_Full	6.68	/	/	<=13	Pass
CP-OFDM QPSK	3720	Outer_Full	8.26	/	/	<=13	Pass
	3750	Outer_Full	8.22	/	/	<=13	Pass
	3780	Outer_Full	8.16	/	/	<=13	Pass
CP-OFDM 16 QAM	3720	Outer_Full	8.24	/	/	<=13	Pass
	3750	Outer_Full	8.28	/	/	<=13	Pass
	3780	Outer_Full	8.18	/	/	<=13	Pass
CP-OFDM 64 QAM	3720	Outer_Full	8.30	/	/	<=13	Pass
	3750	Outer_Full	8.28	/	/	<=13	Pass
	3780	Outer_Full	8.22	/	/	<=13	Pass
CP-OFDM 256 QAM	3720	Outer_Full	8.52	/	/	<=13	Pass
	3750	Outer_Full	8.56	/	/	<=13	Pass
	3780	Outer_Full	8.58	/	/	<=13	Pass

4.1.7 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	4.64	/	/	<=13	Pass
	3750	Outer_Full	4.70	/	/	<=13	Pass
	3774.99	Outer_Full	4.64	/	/	<=13	Pass
DFT-s-OFDM QPSK	3725.01	Outer_Full	5.60	/	/	<=13	Pass
	3750	Outer_Full	5.74	/	/	<=13	Pass
	3774.99	Outer_Full	5.60	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3725.01	Outer_Full	6.36	/	/	<=13	Pass
	3750	Outer_Full	6.44	/	/	<=13	Pass
	3774.99	Outer_Full	6.36	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3725.01	Outer_Full	6.48	/	/	<=13	Pass
	3750	Outer_Full	6.54	/	/	<=13	Pass
	3774.99	Outer_Full	6.40	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	6.76	/	/	<=13	Pass
	3750	Outer_Full	6.74	/	/	<=13	Pass
	3774.99	Outer_Full	6.68	/	/	<=13	Pass
CP-OFDM QPSK	3725.01	Outer_Full	8.18	/	/	<=13	Pass

CP-OFDM 16 QAM	3750	Outer_Full	8.16	/	/	<=13	Pass
	3774.99	Outer_Full	8.10	/	/	<=13	Pass
	3725.01	Outer_Full	8.20	/	/	<=13	Pass
	3750	Outer_Full	8.20	/	/	<=13	Pass
	3774.99	Outer_Full	8.16	/	/	<=13	Pass
CP-OFDM 64 QAM	3725.01	Outer_Full	8.30	/	/	<=13	Pass
	3750	Outer_Full	8.26	/	/	<=13	Pass
	3774.99	Outer_Full	8.18	/	/	<=13	Pass
CP-OFDM 256 QAM	3725.01	Outer_Full	8.48	/	/	<=13	Pass
	3750	Outer_Full	8.46	/	/	<=13	Pass
	3774.99	Outer_Full	8.46	/	/	<=13	Pass

4.1.8 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	4.46	/	/	<=13	Pass
	3750	Outer_Full	4.50	/	/	<=13	Pass
	3769.98	Outer_Full	4.36	/	/	<=13	Pass
DFT-s-OFDM QPSK	3730.02	Outer_Full	5.76	/	/	<=13	Pass
	3750	Outer_Full	8.48	/	/	<=13	Pass
	3769.98	Outer_Full	8.46	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3730.02	Outer_Full	6.50	/	/	<=13	Pass
	3750	Outer_Full	6.50	/	/	<=13	Pass
	3769.98	Outer_Full	5.62	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3730.02	Outer_Full	6.64	/	/	<=13	Pass
	3750	Outer_Full	6.66	/	/	<=13	Pass
	3769.98	Outer_Full	5.62	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3730.02	Outer_Full	6.68	/	/	<=13	Pass
	3750	Outer_Full	6.78	/	/	<=13	Pass
	3769.98	Outer_Full	5.56	/	/	<=13	Pass
CP-OFDM QPSK	3730.02	Outer_Full	8.22	/	/	<=13	Pass
	3750	Outer_Full	8.32	/	/	<=13	Pass
	3769.98	Outer_Full	6.12	/	/	<=13	Pass
CP-OFDM 16 QAM	3730.02	Outer_Full	8.24	/	/	<=13	Pass
	3750	Outer_Full	8.36	/	/	<=13	Pass
	3769.98	Outer_Full	6.10	/	/	<=13	Pass
CP-OFDM 64 QAM	3730.02	Outer_Full	8.30	/	/	<=13	Pass
	3750	Outer_Full	8.38	/	/	<=13	Pass
	3769.98	Outer_Full	6.14	/	/	<=13	Pass
CP-OFDM 256 QAM	3730.02	Outer_Full	8.52	/	/	<=13	Pass
	3750	Outer_Full	8.54	/	/	<=13	Pass
	3769.98	Outer_Full	6.36	/	/	<=13	Pass

4.1.9 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	5.02	/	/	<=13	Pass
	3750	Outer_Full	5.04	/	/	<=13	Pass
	3765	Outer_Full	5.04	/	/	<=13	Pass
DFT-s-OFDM QPSK	3735	Outer_Full	5.62	/	/	<=13	Pass
	3750	Outer_Full	5.62	/	/	<=13	Pass
	3765	Outer_Full	5.68	/	/	<=13	Pass

DFT-s-OFDM 16 QAM	3735	Outer Full	5.74	/	/	<=13	Pass
	3750	Outer Full	5.74	/	/	<=13	Pass
	3765	Outer Full	5.72	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3735	Outer Full	5.76	/	/	<=13	Pass
	3750	Outer Full	5.76	/	/	<=13	Pass
	3765	Outer Full	5.74	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3735	Outer Full	5.70	/	/	<=13	Pass
	3750	Outer Full	5.72	/	/	<=13	Pass
	3765	Outer Full	5.70	/	/	<=13	Pass
CP-OFDM QPSK	3735	Outer Full	6.34	/	/	<=13	Pass
	3750	Outer Full	6.34	/	/	<=13	Pass
	3765	Outer Full	6.32	/	/	<=13	Pass
CP-OFDM 16 QAM	3735	Outer Full	6.34	/	/	<=13	Pass
	3750	Outer Full	6.32	/	/	<=13	Pass
	3765	Outer Full	6.32	/	/	<=13	Pass
CP-OFDM 64 QAM	3735	Outer Full	6.34	/	/	<=13	Pass
	3750	Outer Full	6.34	/	/	<=13	Pass
	3765	Outer Full	6.32	/	/	<=13	Pass
CP-OFDM 256 QAM	3735	Outer Full	6.64	/	/	<=13	Pass
	3750	Outer Full	6.58	/	/	<=13	Pass
	3765	Outer Full	6.52	/	/	<=13	Pass

4.1.10 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	5.44	/	/	<=13	Pass
	3750	Outer Full	5.46	/	/	<=13	Pass
	3759.99	Outer Full	5.44	/	/	<=13	Pass
DFT-s-OFDM QPSK	3740.01	Outer Full	6.14	/	/	<=13	Pass
	3750	Outer Full	6.12	/	/	<=13	Pass
	3759.99	Outer Full	6.14	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3740.01	Outer Full	6.16	/	/	<=13	Pass
	3750	Outer Full	6.14	/	/	<=13	Pass
	3759.99	Outer Full	6.16	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3740.01	Outer Full	6.14	/	/	<=13	Pass
	3750	Outer Full	6.16	/	/	<=13	Pass
	3759.99	Outer Full	6.14	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3740.01	Outer Full	6.18	/	/	<=13	Pass
	3750	Outer Full	6.14	/	/	<=13	Pass
	3759.99	Outer Full	6.14	/	/	<=13	Pass
CP-OFDM QPSK	3740.01	Outer Full	6.66	/	/	<=13	Pass
	3750	Outer Full	6.66	/	/	<=13	Pass
	3759.99	Outer Full	6.66	/	/	<=13	Pass
CP-OFDM 16 QAM	3740.01	Outer Full	6.62	/	/	<=13	Pass
	3750	Outer Full	6.64	/	/	<=13	Pass
	3759.99	Outer Full	6.62	/	/	<=13	Pass
CP-OFDM 64 QAM	3740.01	Outer Full	6.70	/	/	<=13	Pass
	3750	Outer Full	6.68	/	/	<=13	Pass
	3759.99	Outer Full	6.68	/	/	<=13	Pass
CP-OFDM 256 QAM	3740.01	Outer Full	6.90	/	/	<=13	Pass
	3750	Outer Full	6.90	/	/	<=13	Pass
	3759.99	Outer Full	6.90	/	/	<=13	Pass

4.1.11 30k_SISO_90MHz_NTNV

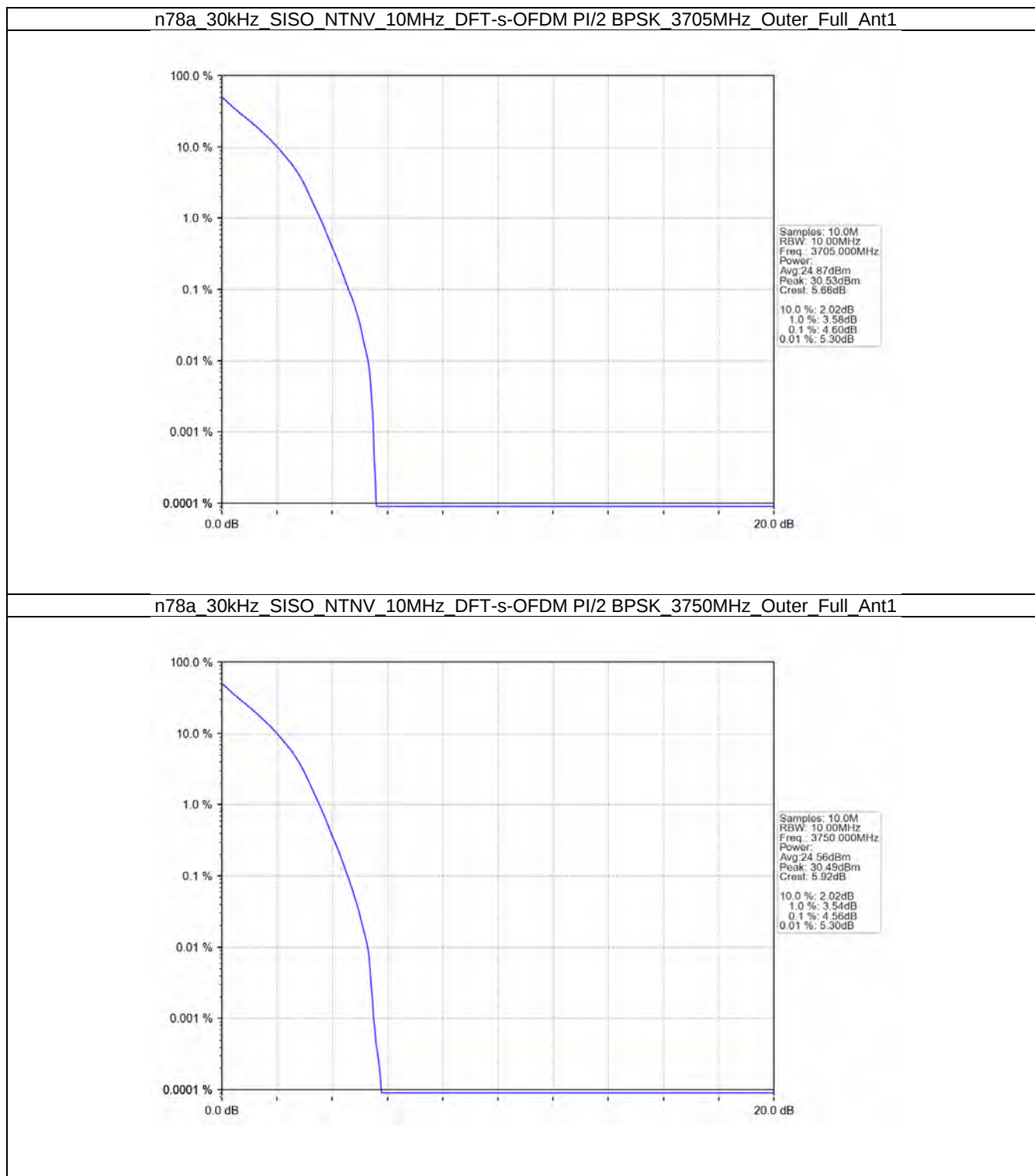
5G NR n78a SCS=30kHz SISO 90MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3745.02	Outer Full	2.96	/	/	<=13	Pass
	3750	Outer Full	2.96	/	/	<=13	Pass
	3754.98	Outer Full	3.18	/	/	<=13	Pass
DFT-s-OFDM QPSK	3745.02	Outer Full	3.34	/	/	<=13	Pass
	3750	Outer Full	3.34	/	/	<=13	Pass
	3754.98	Outer Full	3.48	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3745.02	Outer Full	3.46	/	/	<=13	Pass
	3750	Outer Full	3.46	/	/	<=13	Pass
	3754.98	Outer Full	3.56	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3745.02	Outer Full	3.52	/	/	<=13	Pass
	3750	Outer Full	3.52	/	/	<=13	Pass
	3754.98	Outer Full	3.58	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3745.02	Outer Full	3.58	/	/	<=13	Pass
	3750	Outer Full	3.56	/	/	<=13	Pass
	3754.98	Outer Full	3.56	/	/	<=13	Pass
CP-OFDM QPSK	3745.02	Outer Full	3.80	/	/	<=13	Pass
	3750	Outer Full	3.80	/	/	<=13	Pass
	3754.98	Outer Full	3.70	/	/	<=13	Pass
CP-OFDM 16 QAM	3745.02	Outer Full	3.82	/	/	<=13	Pass
	3750	Outer Full	3.82	/	/	<=13	Pass
	3754.98	Outer Full	3.70	/	/	<=13	Pass
CP-OFDM 64 QAM	3745.02	Outer Full	3.84	/	/	<=13	Pass
	3750	Outer Full	3.84	/	/	<=13	Pass
	3754.98	Outer Full	3.68	/	/	<=13	Pass
CP-OFDM 256 QAM	3745.02	Outer Full	4.12	/	/	<=13	Pass
	3750	Outer Full	4.08	/	/	<=13	Pass
	3754.98	Outer Full	3.62	/	/	<=13	Pass

4.1.12 30k_SISO_100MHz_NTN

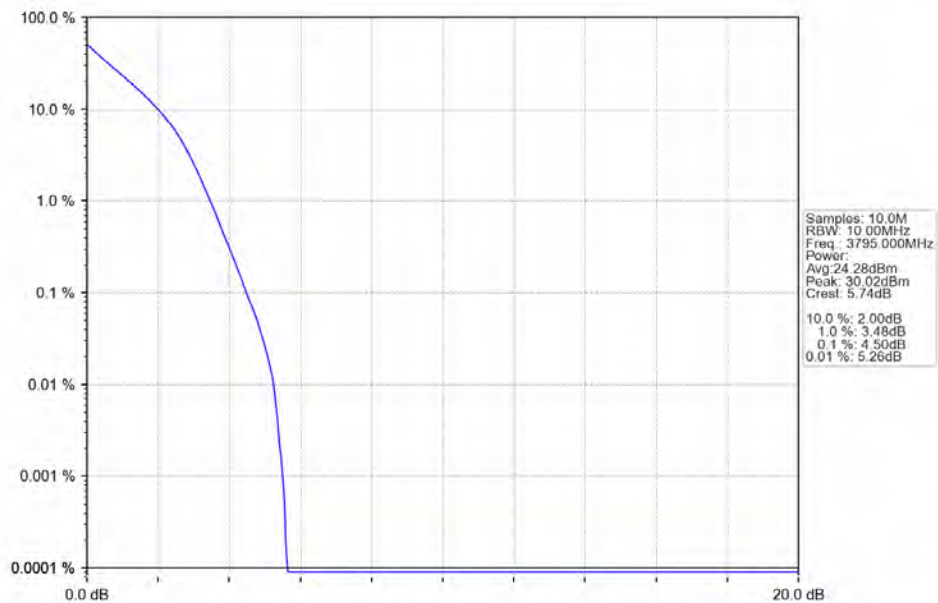
5G NR n78a SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Outer Full	3.10	/	/	<=13	Pass
DFT-s-OFDM QPSK	3750	Outer Full	3.24	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3750	Outer Full	3.58	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3750	Outer Full	3.62	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3750	Outer Full	3.68	/	/	<=13	Pass
CP-OFDM QPSK	3750	Outer Full	3.98	/	/	<=13	Pass
CP-OFDM 16 QAM	3750	Outer Full	3.98	/	/	<=13	Pass
CP-OFDM 64 QAM	3750	Outer Full	4.02	/	/	<=13	Pass
CP-OFDM 256 QAM	3750	Outer Full	4.22	/	/	<=13	Pass

4.2 Test Graph

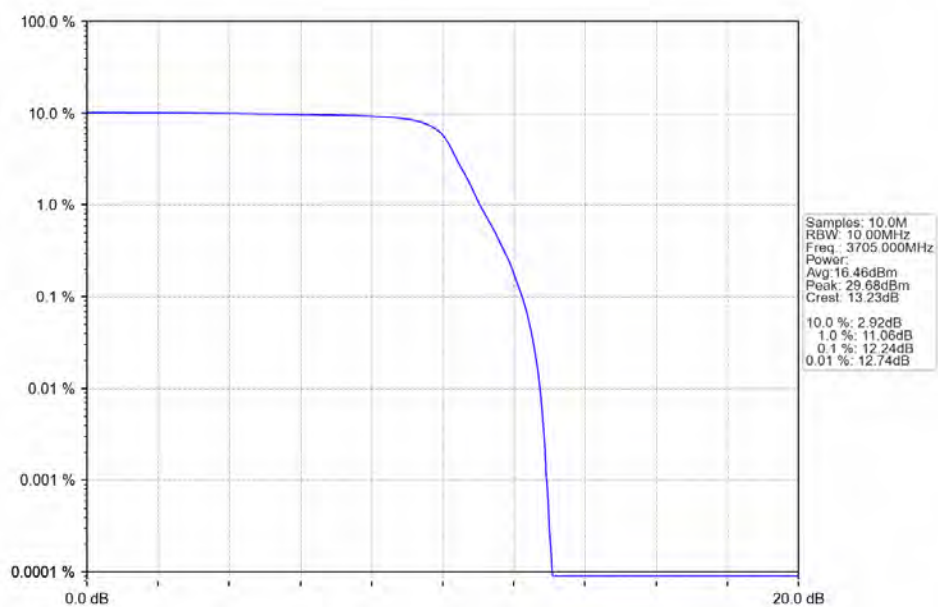
4.2.1 30k_SISO_10MHz_NTNV



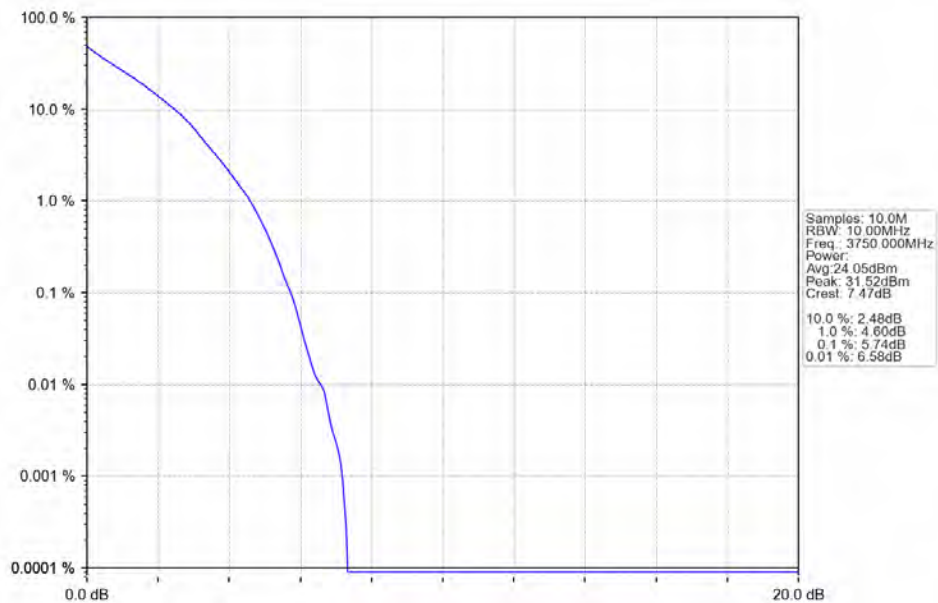
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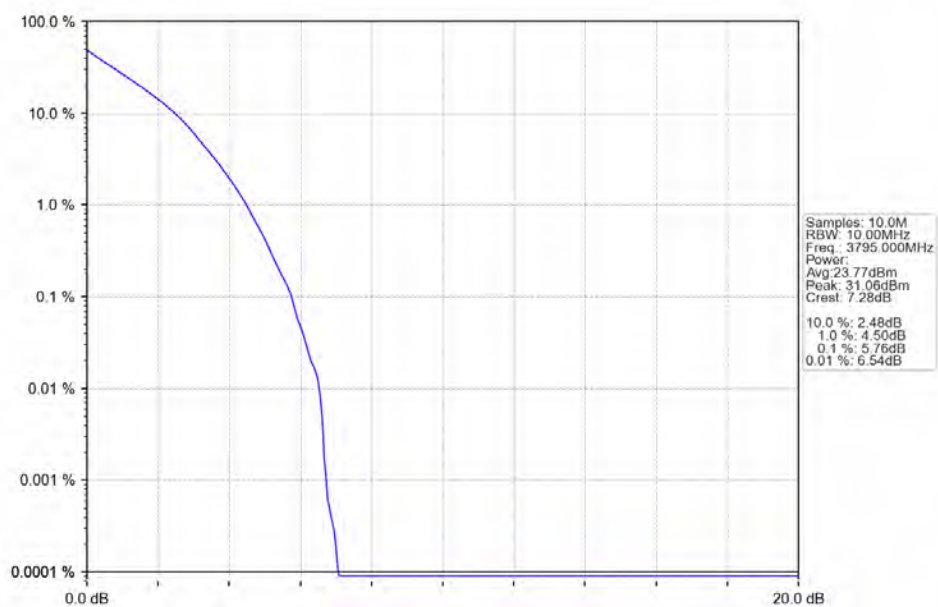
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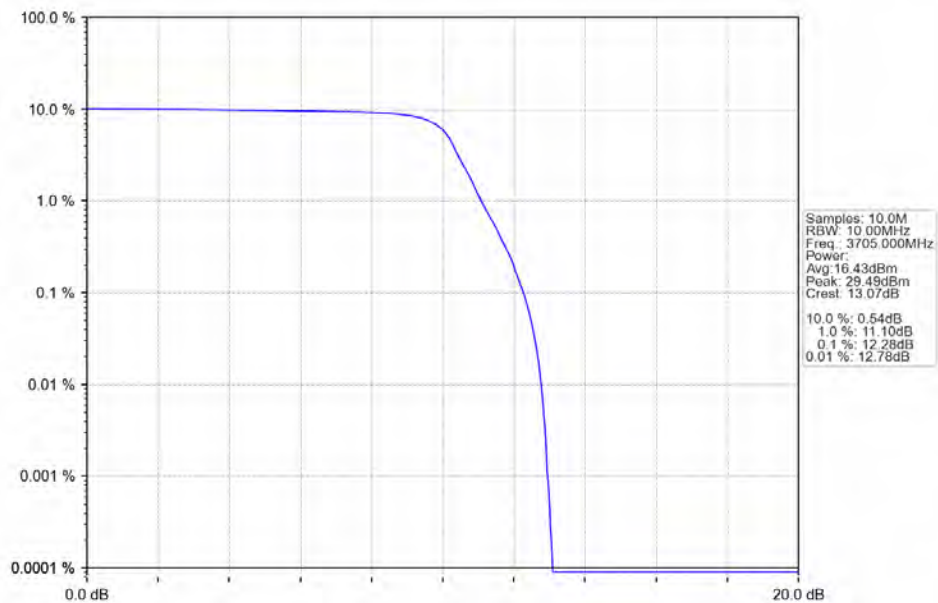
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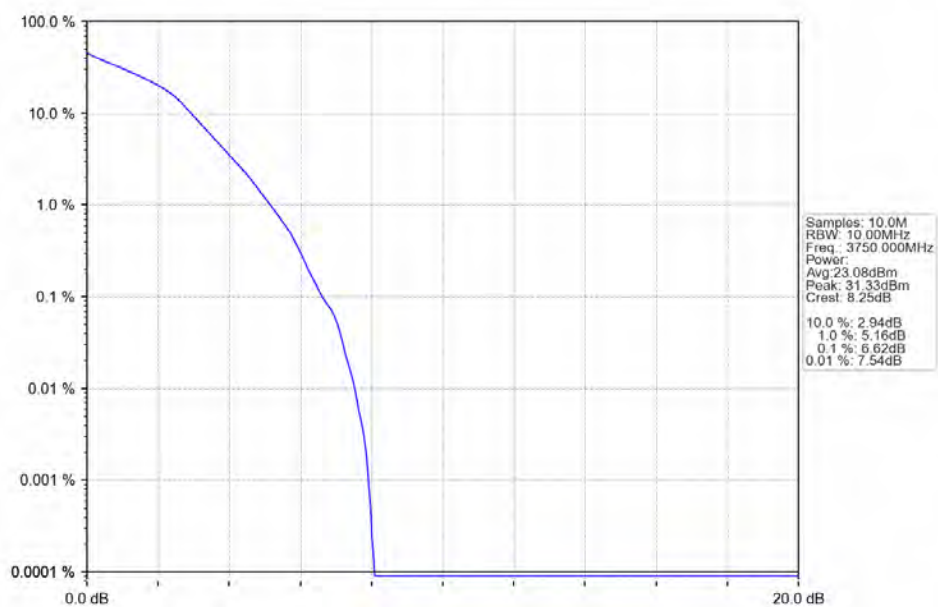
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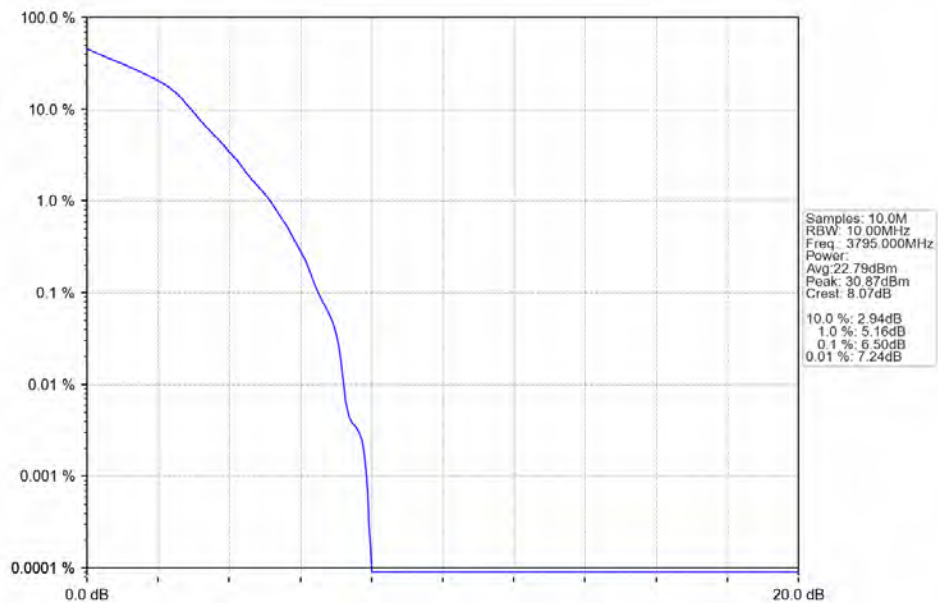
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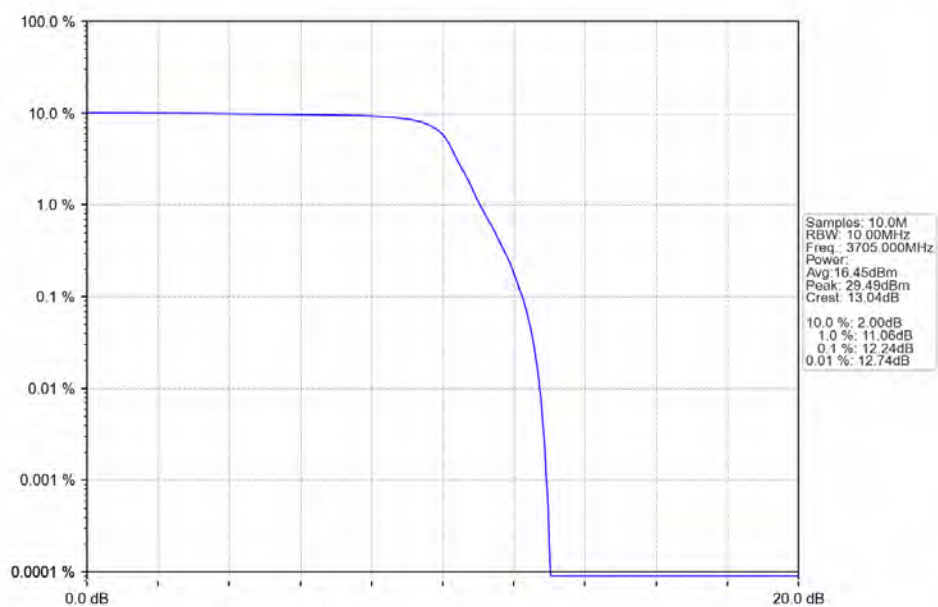
n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3750MHz_Outer_Full_Ant1



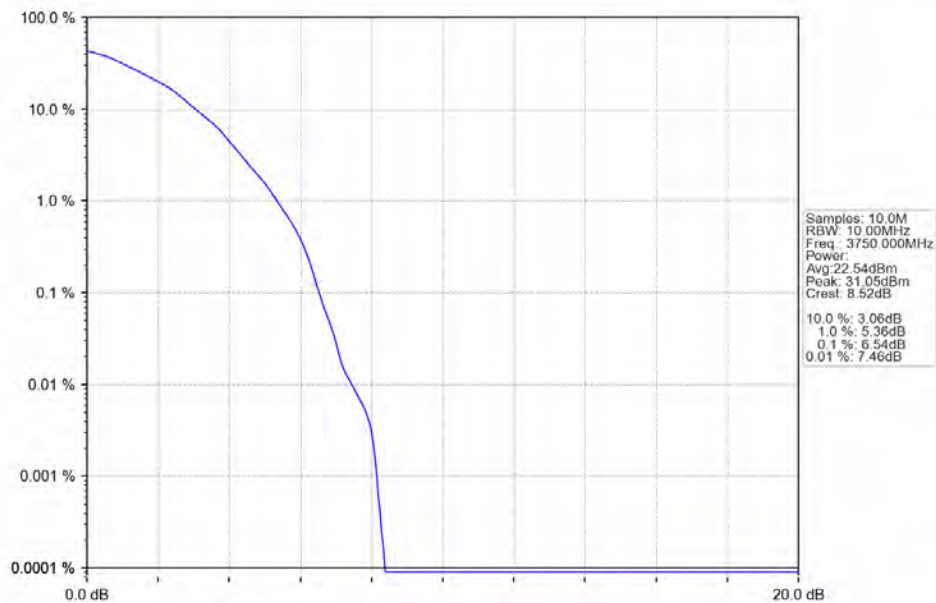
n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3795MHz_Outer_Full_Ant1



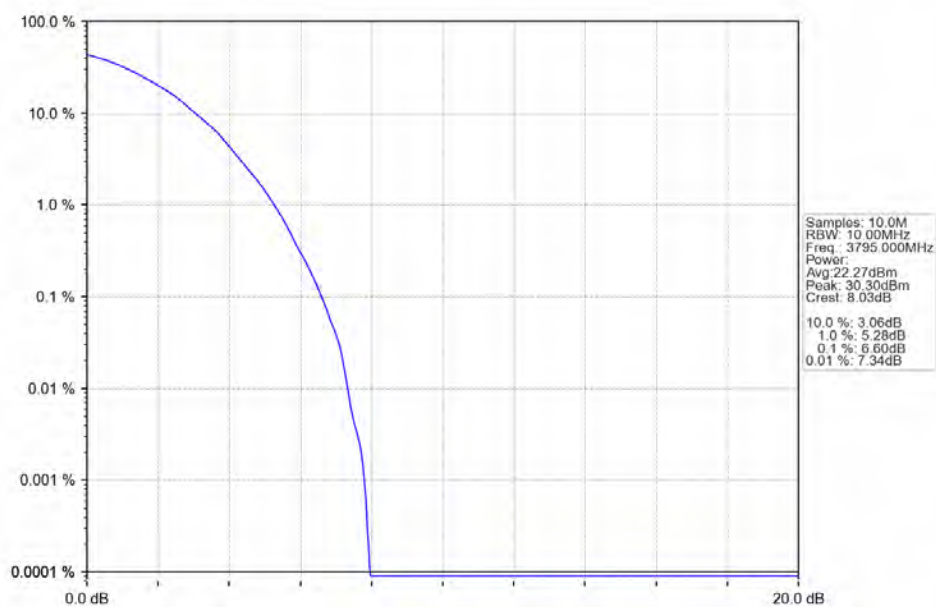
n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_3705MHz_Outer_Full_Ant1



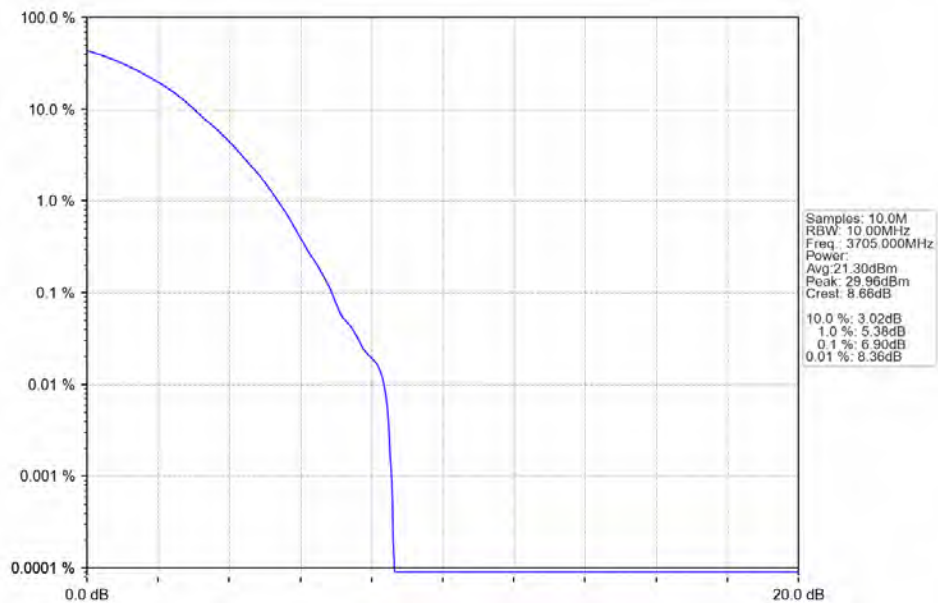
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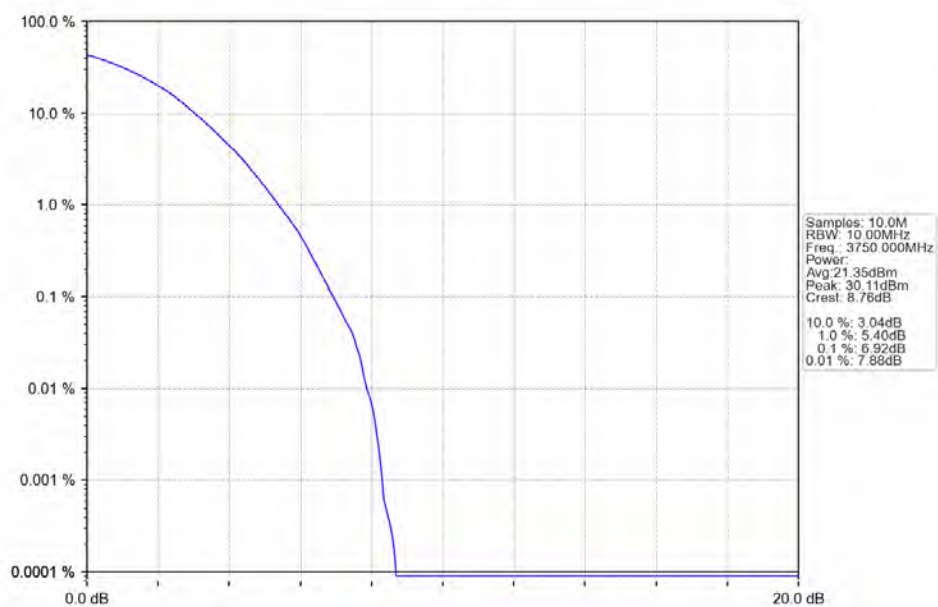
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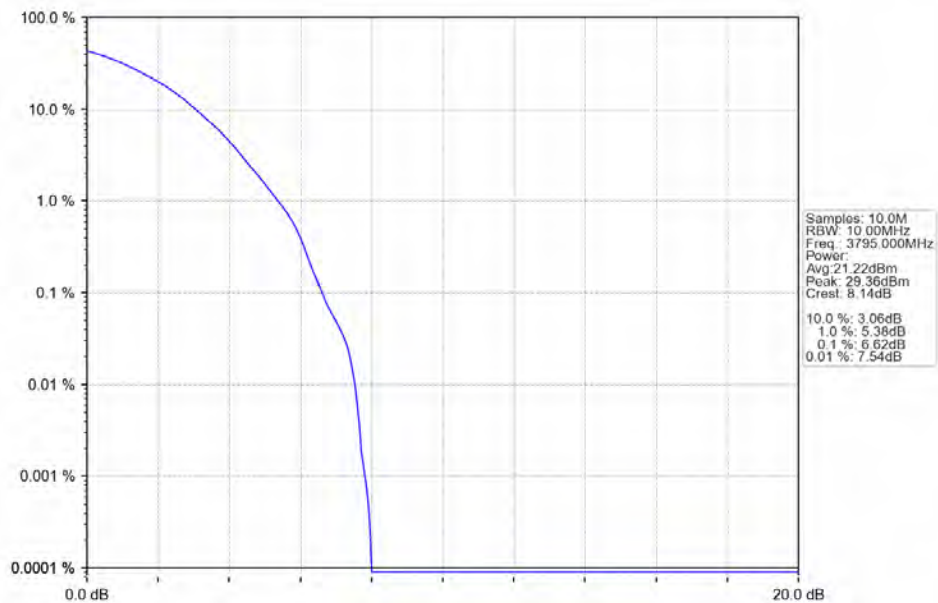
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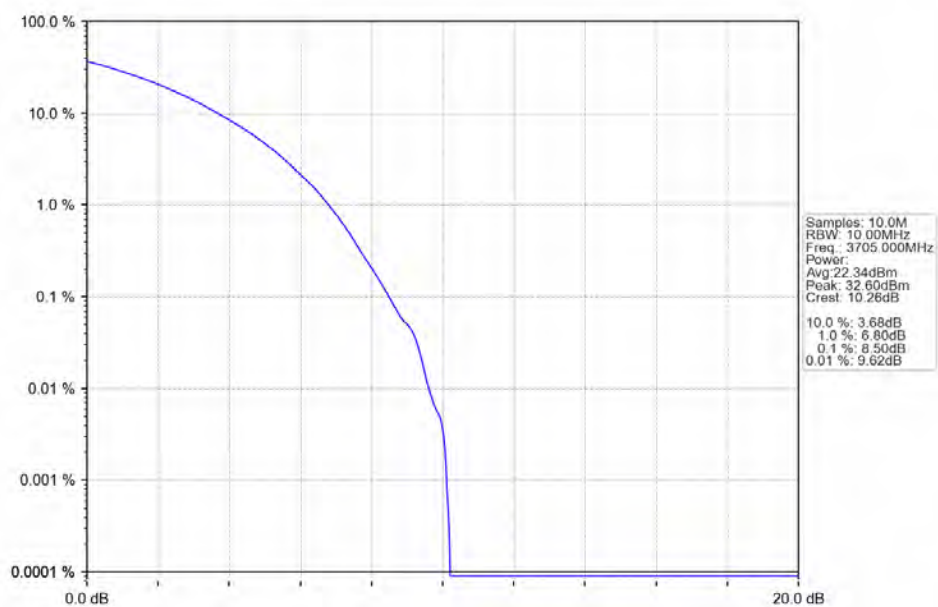
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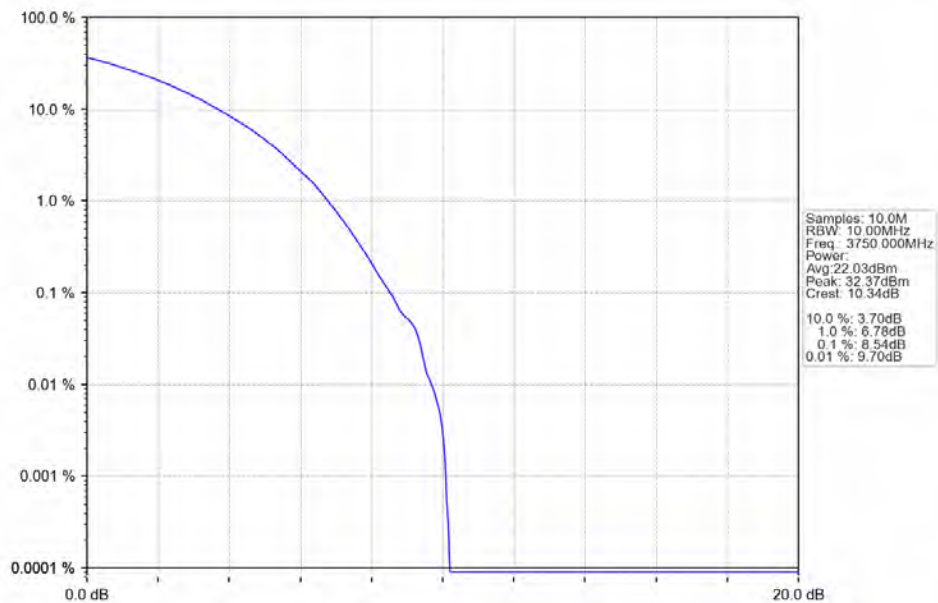
n78a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_3795MHz_Outer_Full_Ant1



n78a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3705MHz_Outer_Full_Ant1



n78a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3750MHz_Outer_Full_Ant1



n78a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3795MHz_Outer_Full_Ant1

