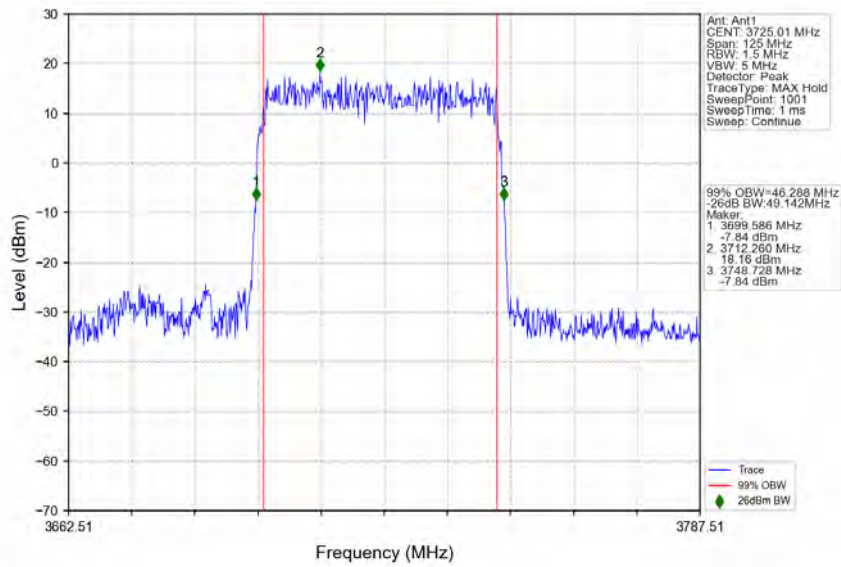
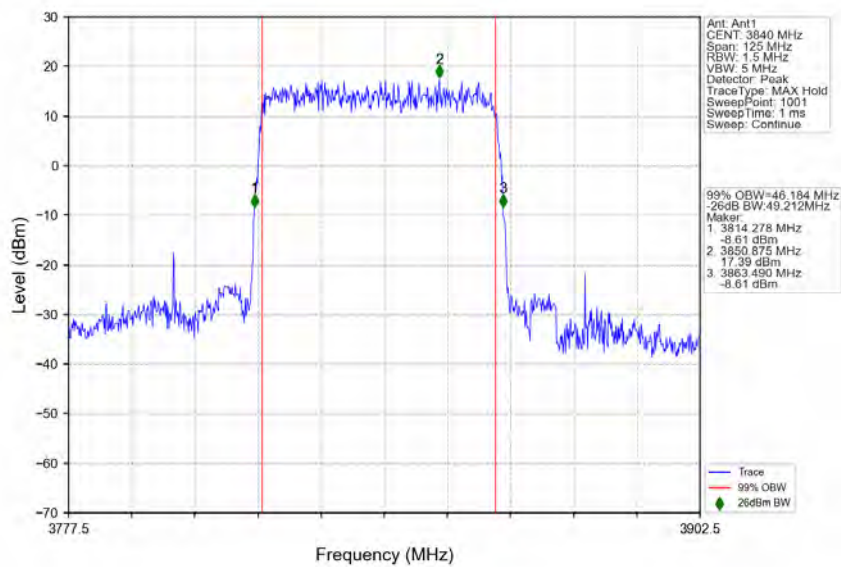


3.2.4 30k_SISO_50MHz_NTNV

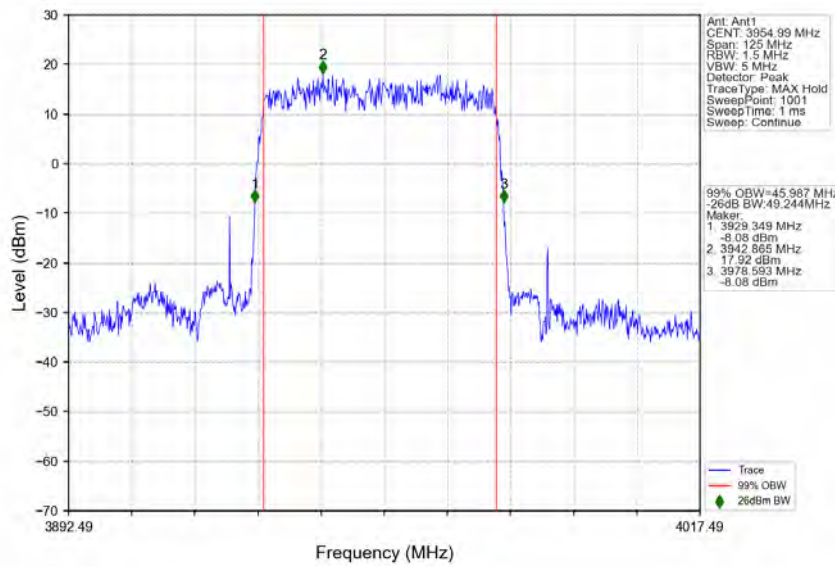
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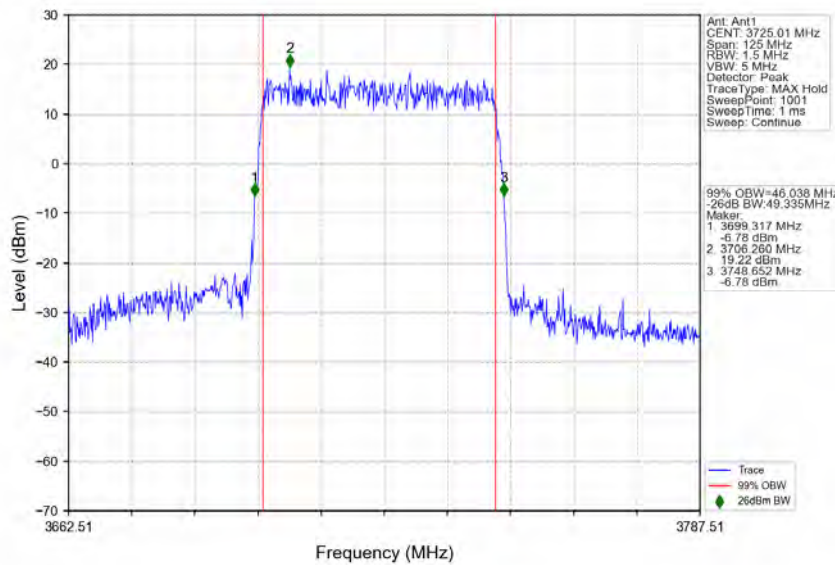
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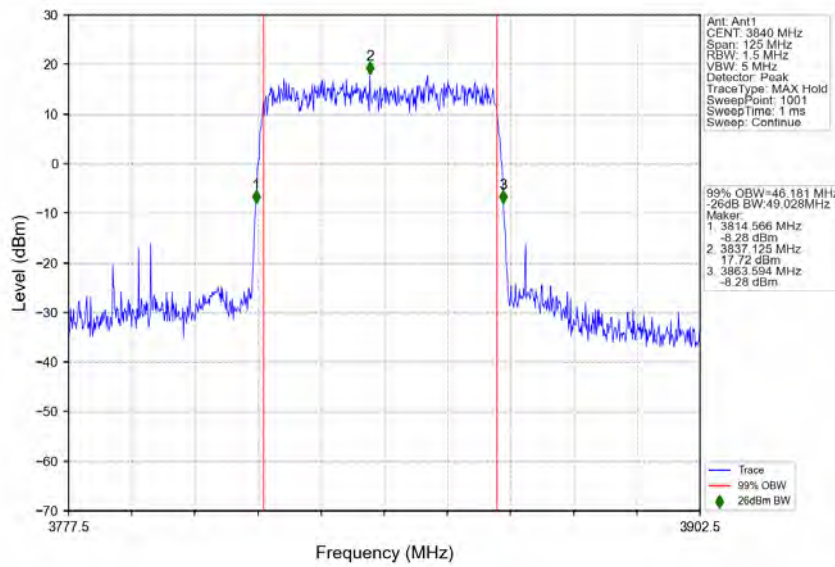
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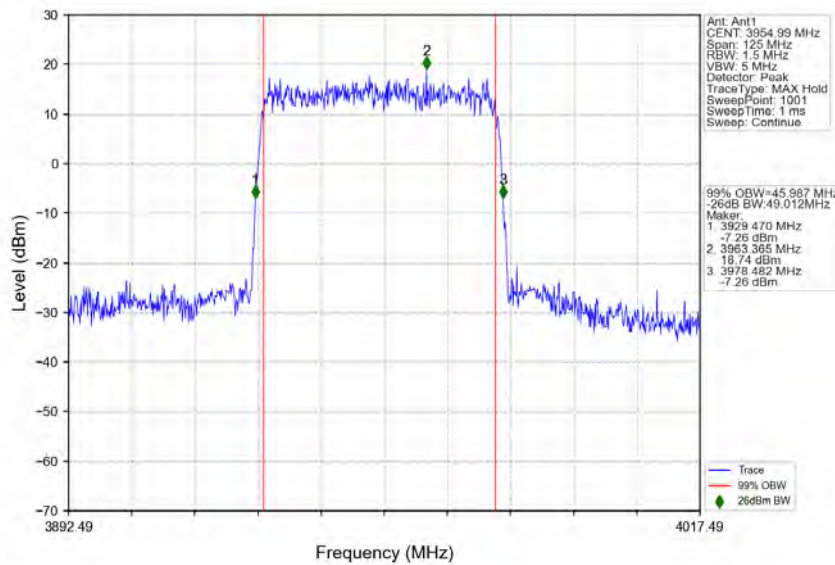
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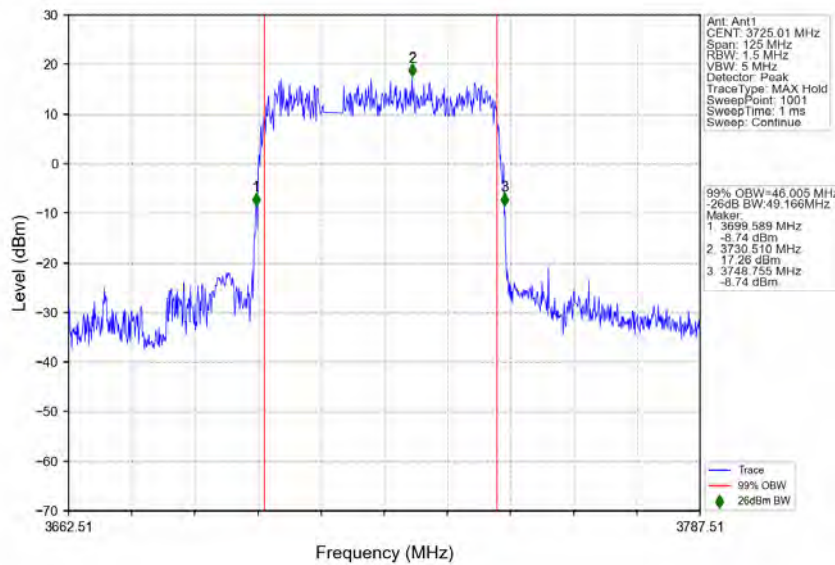
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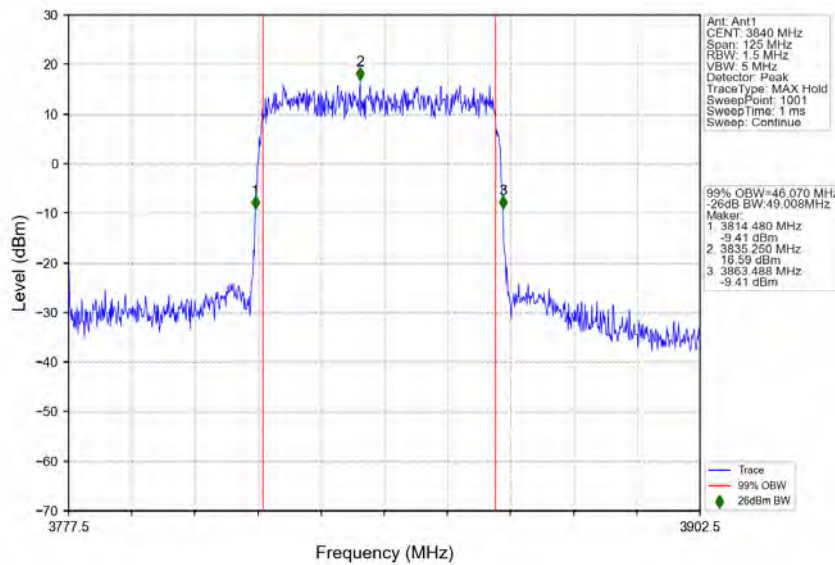
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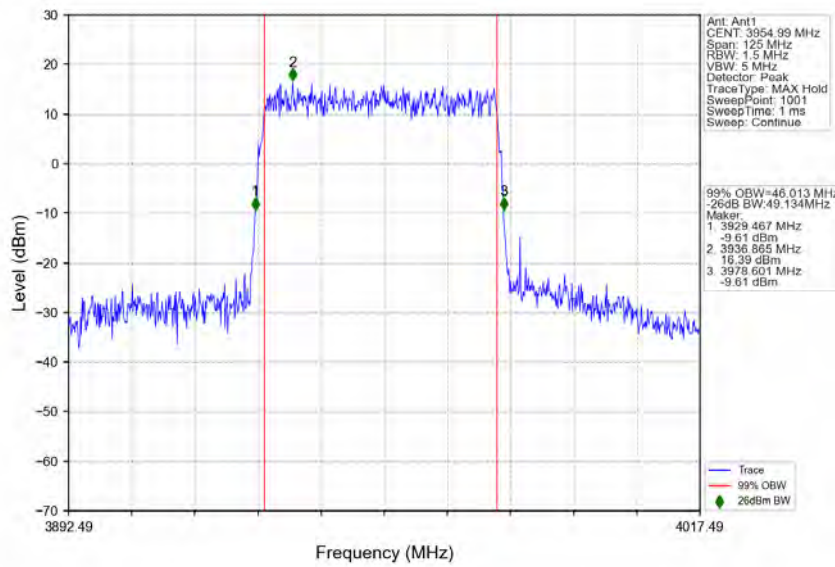
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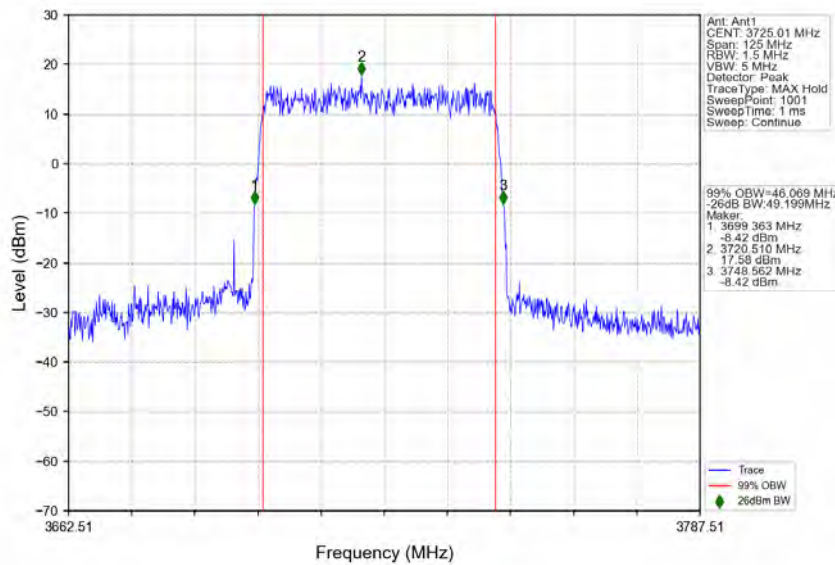
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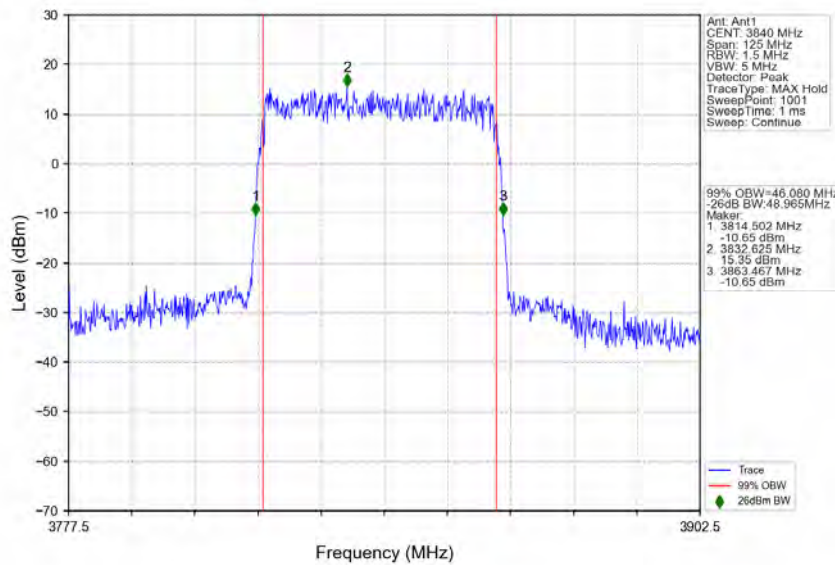
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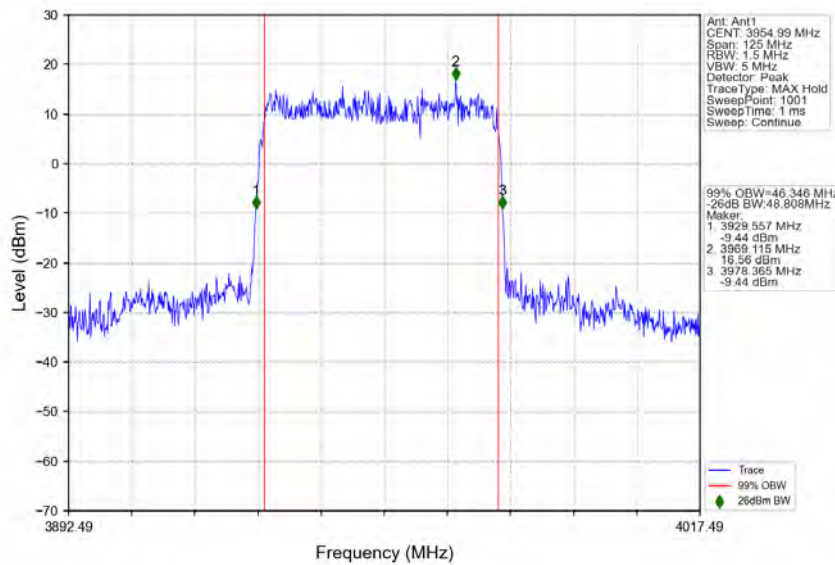
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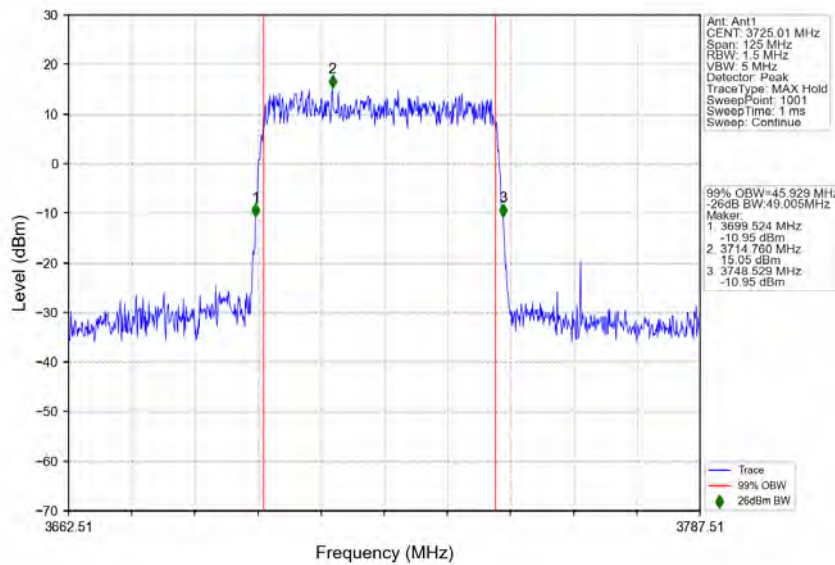
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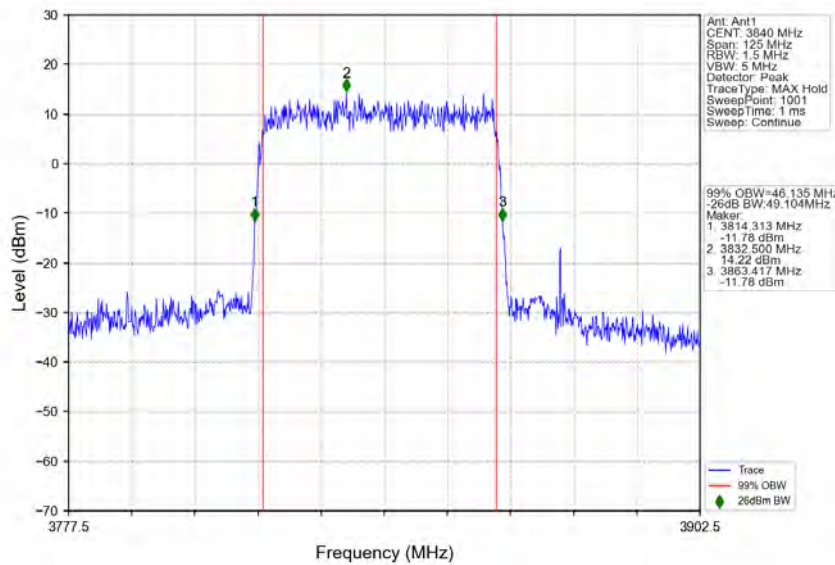
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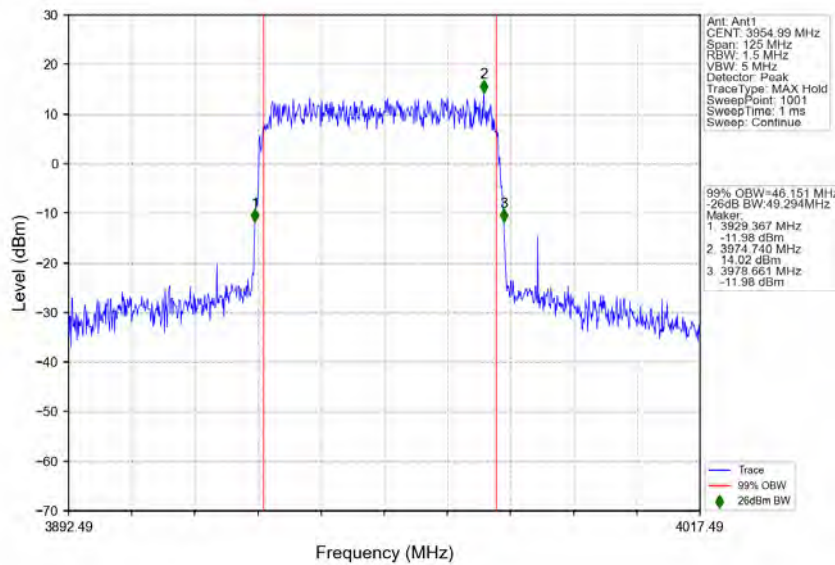
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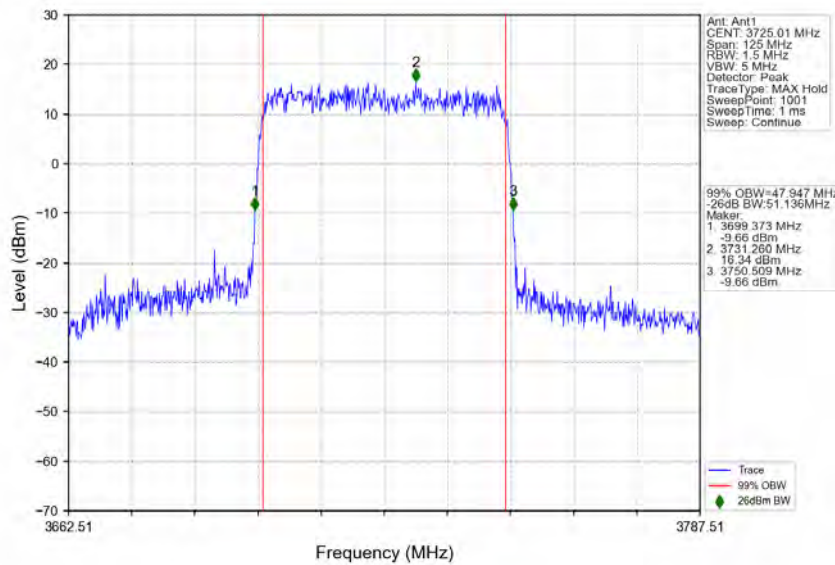
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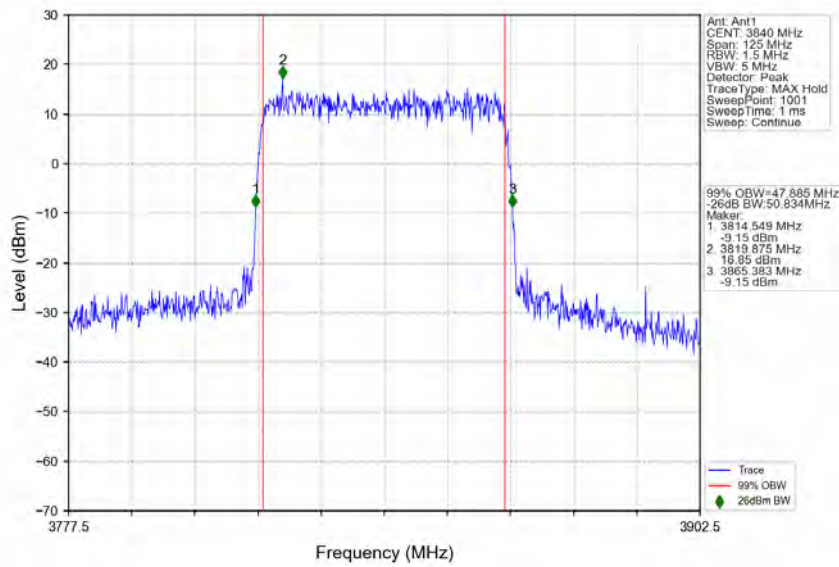
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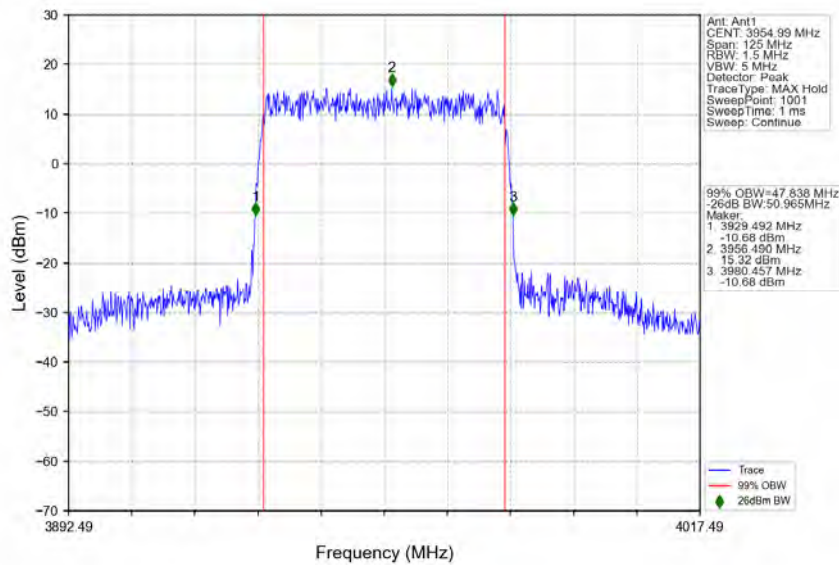
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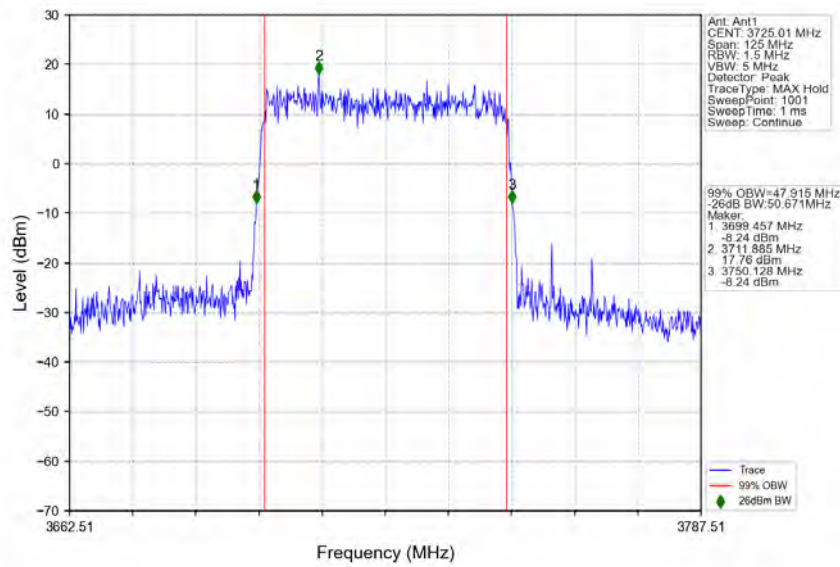
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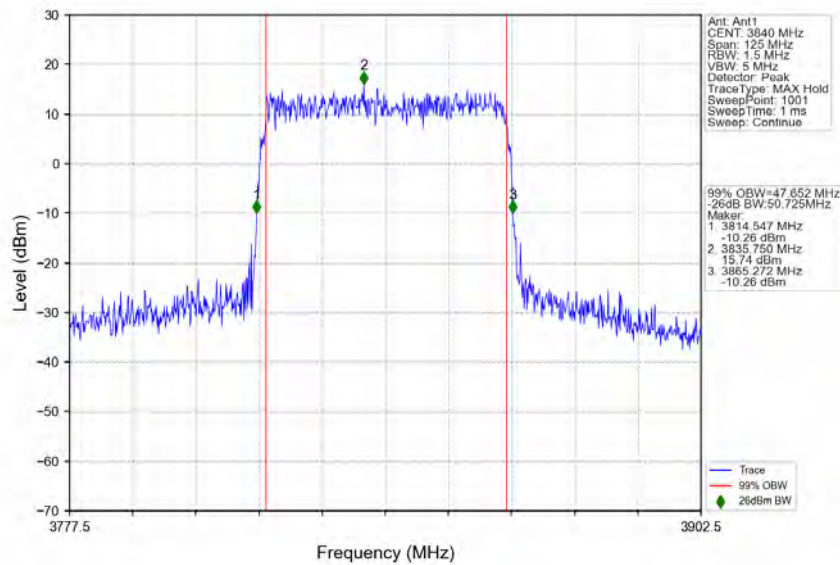
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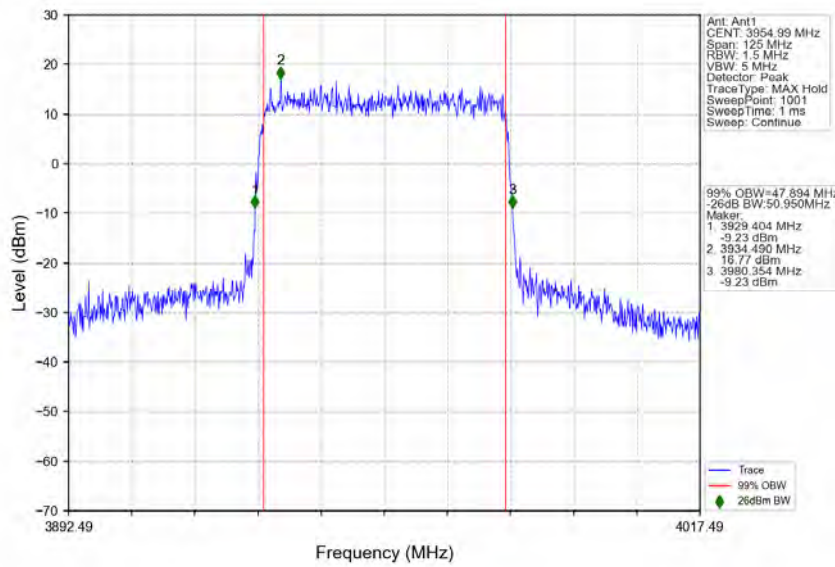
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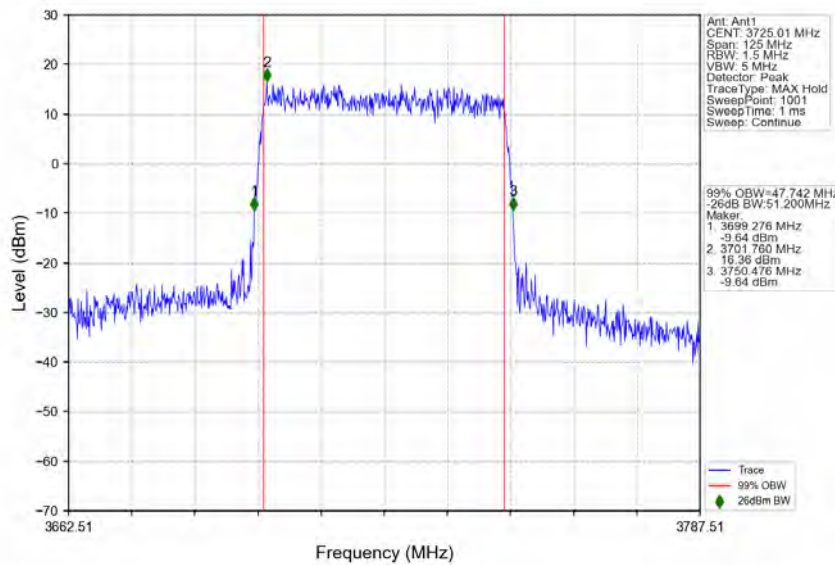
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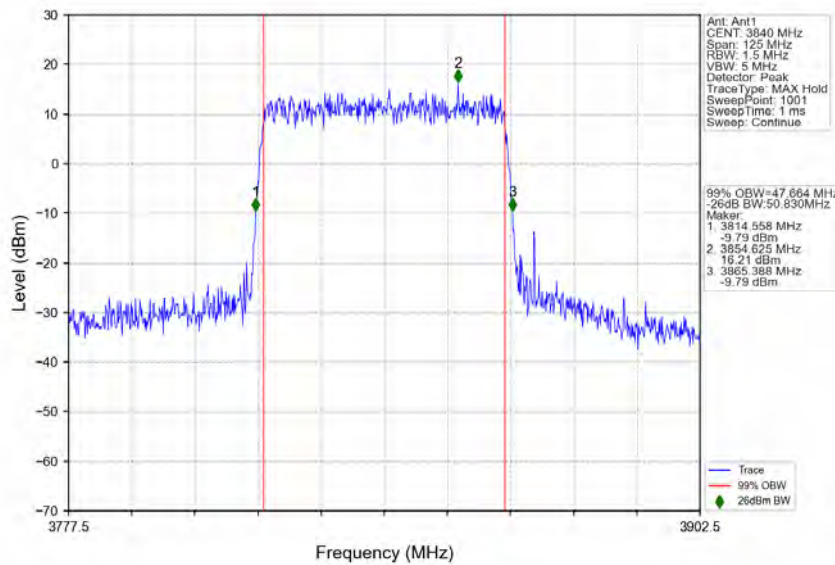
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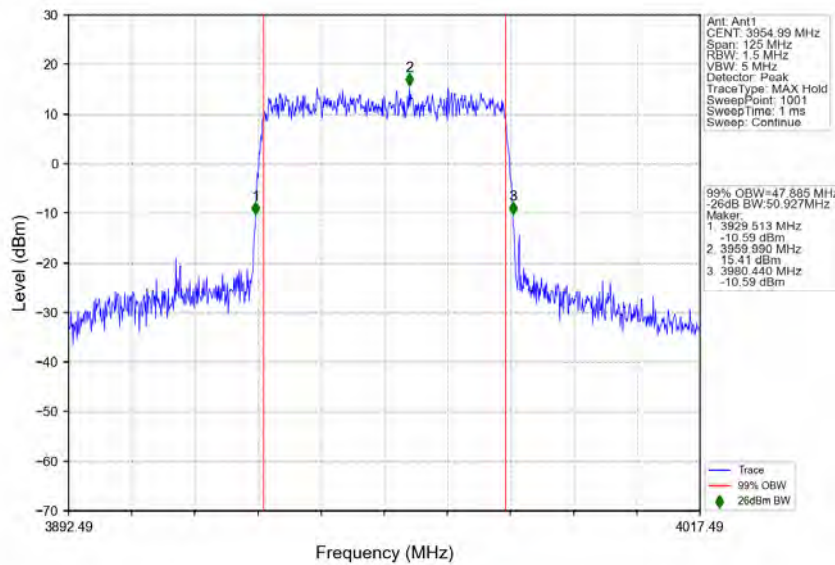
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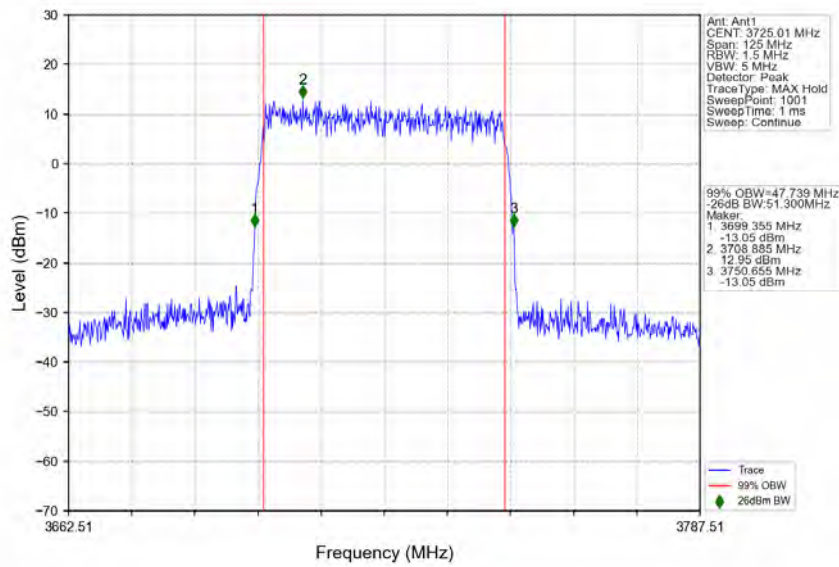
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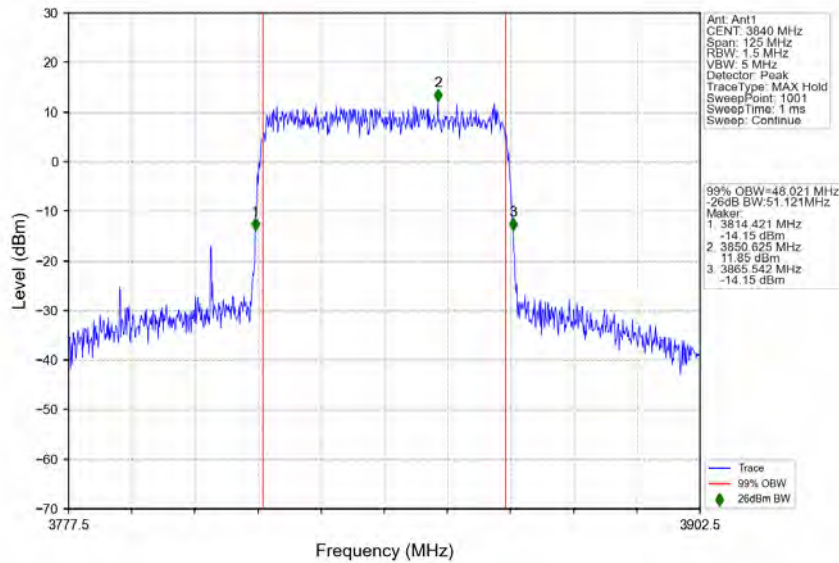
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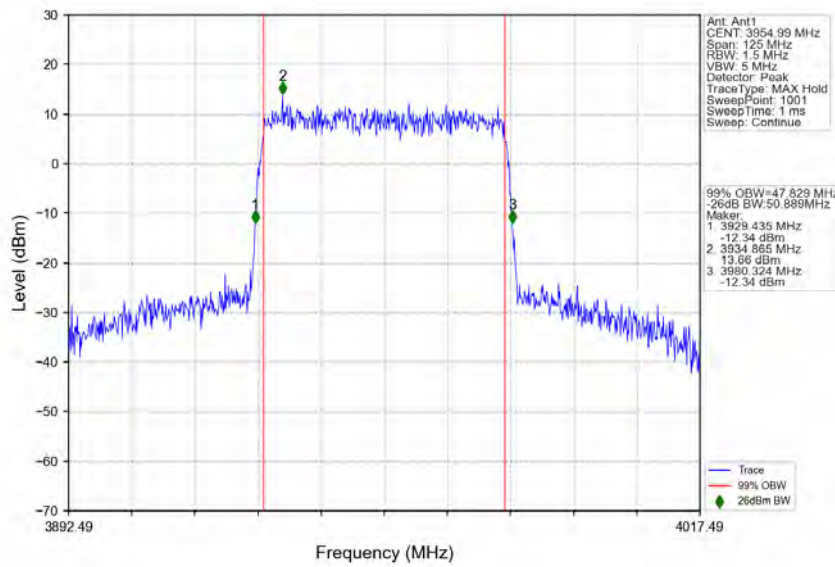
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n77a_30kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3840MHz_Outer_Full

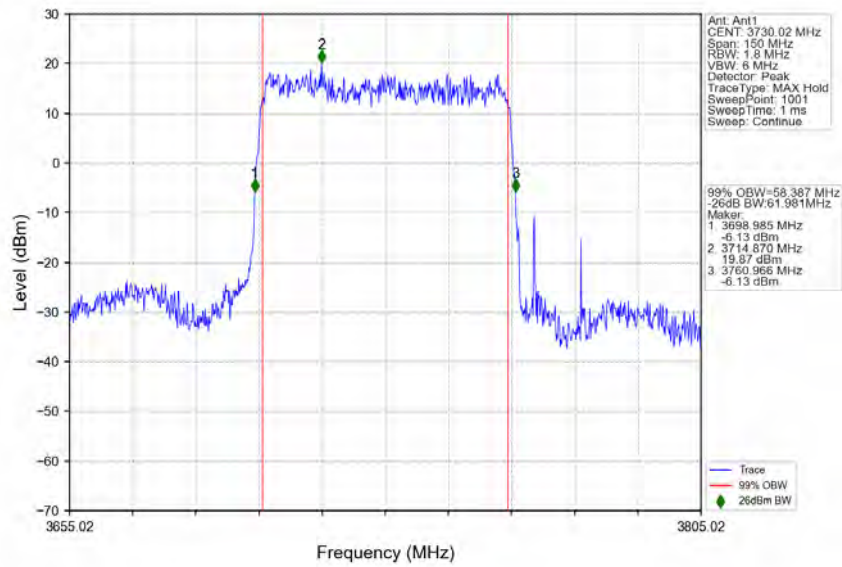


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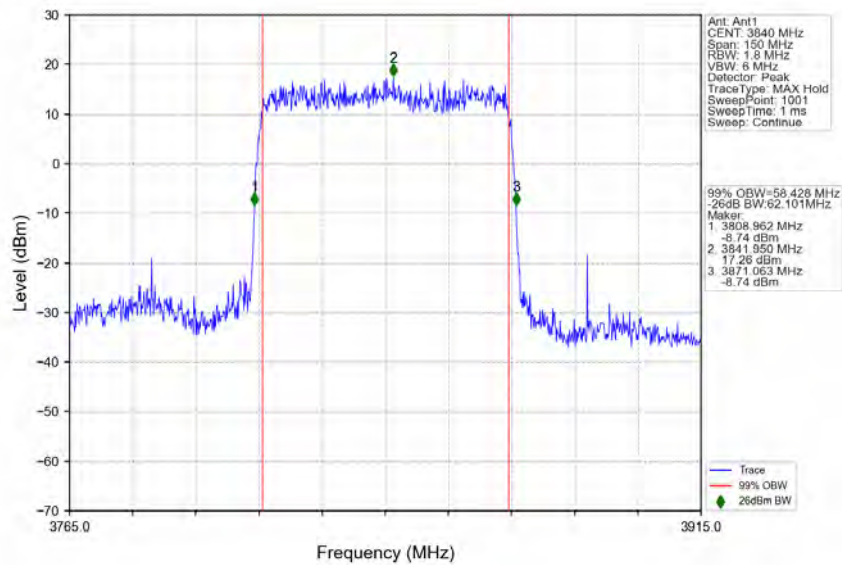


3.2.5 30k_SISO_60MHz_NTNV

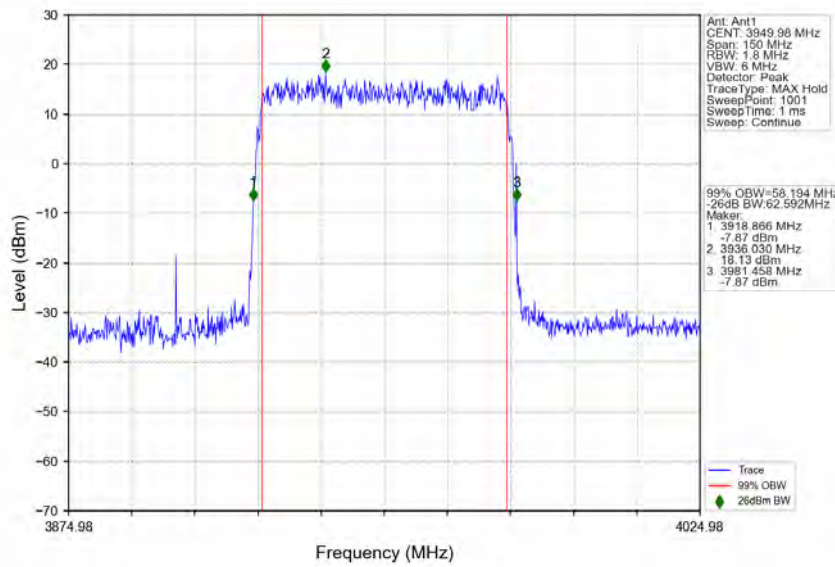
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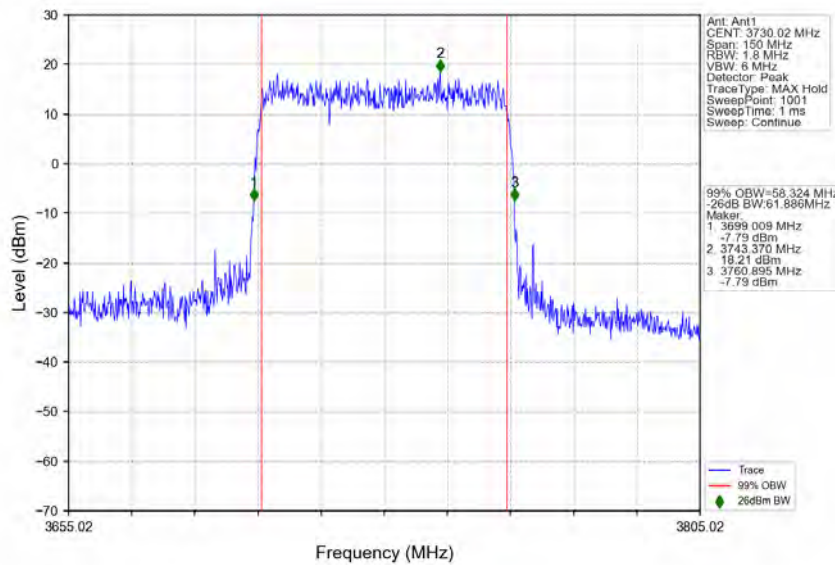
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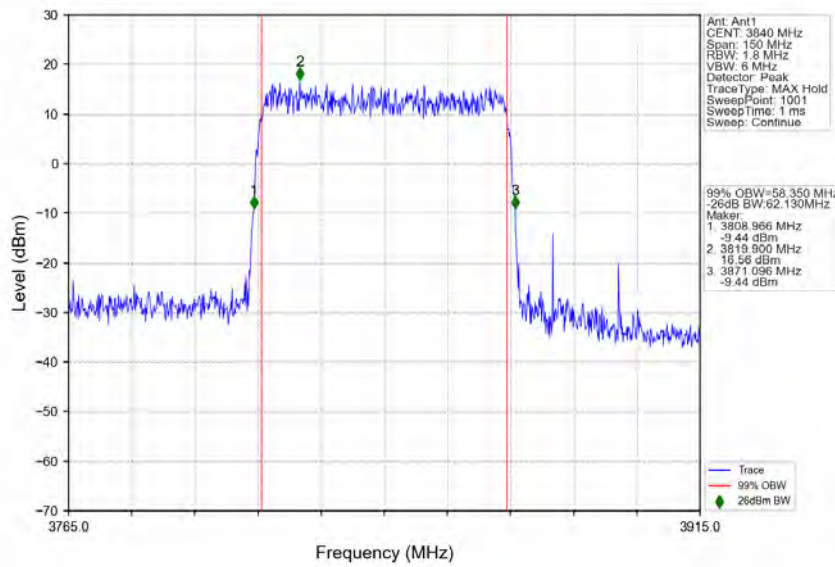
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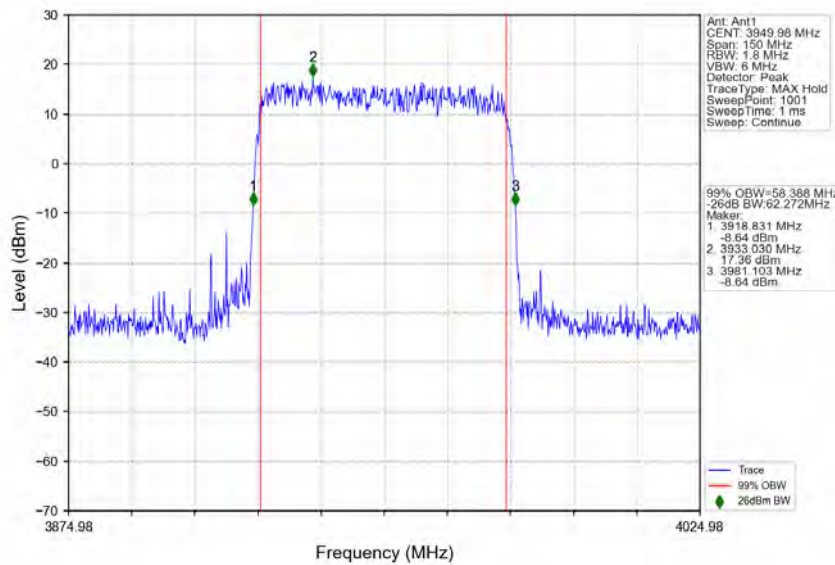
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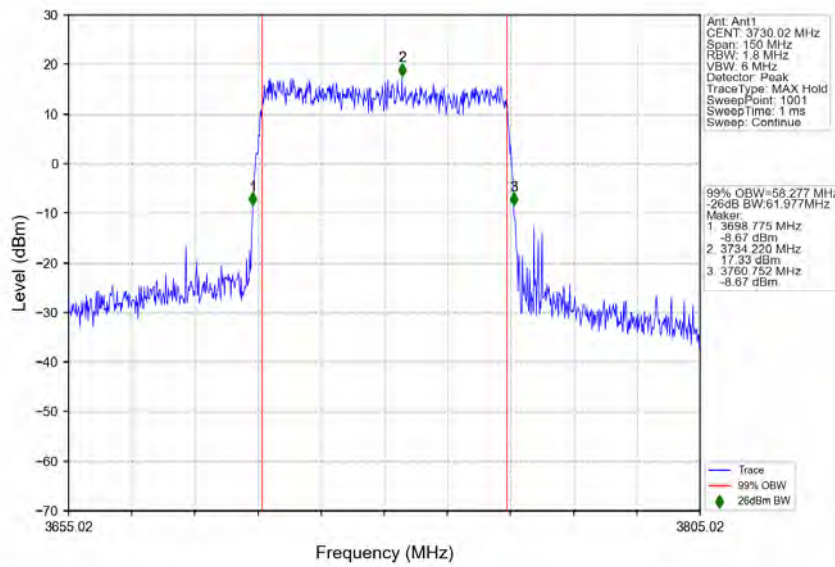
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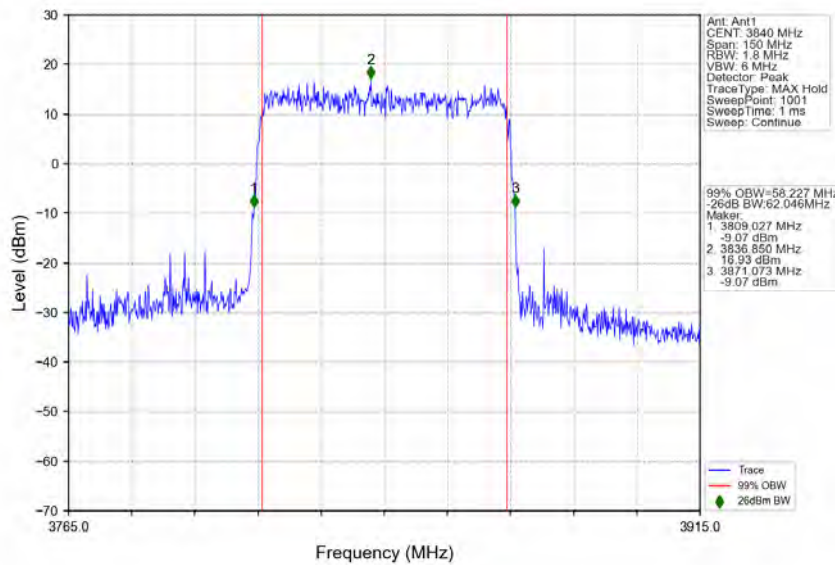
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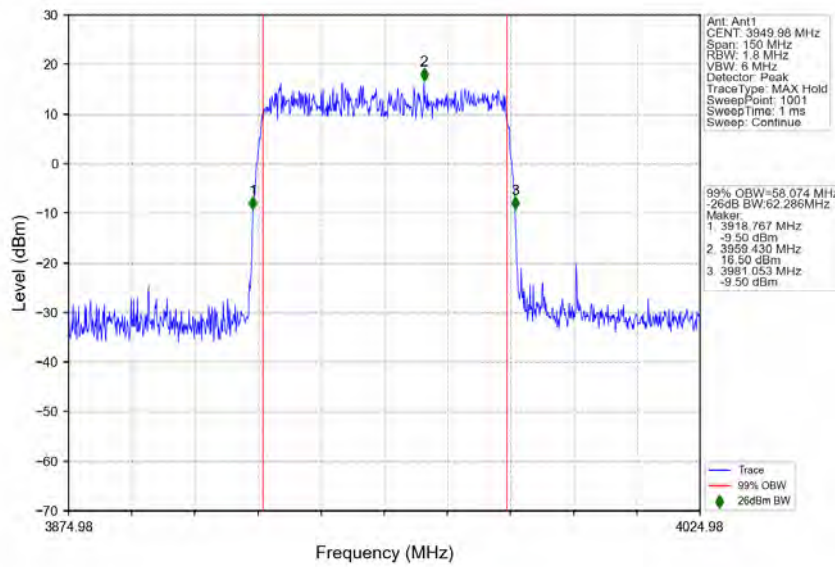
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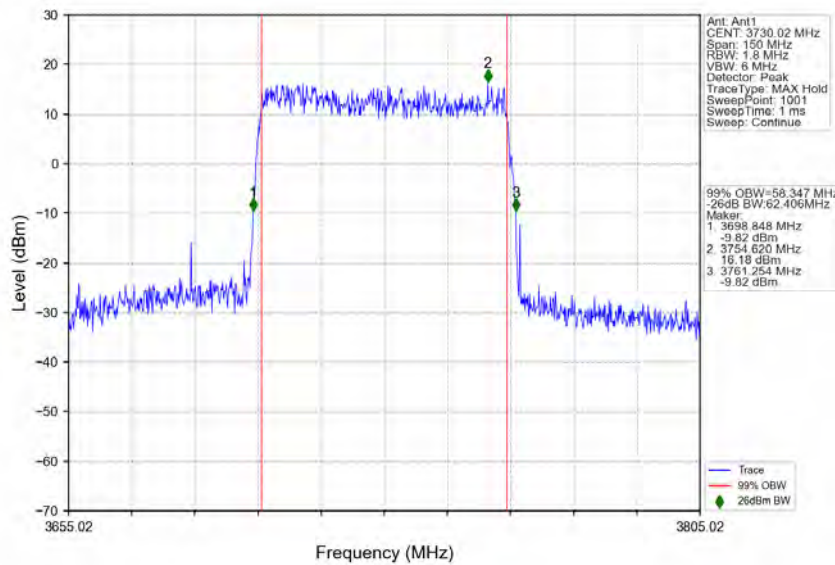
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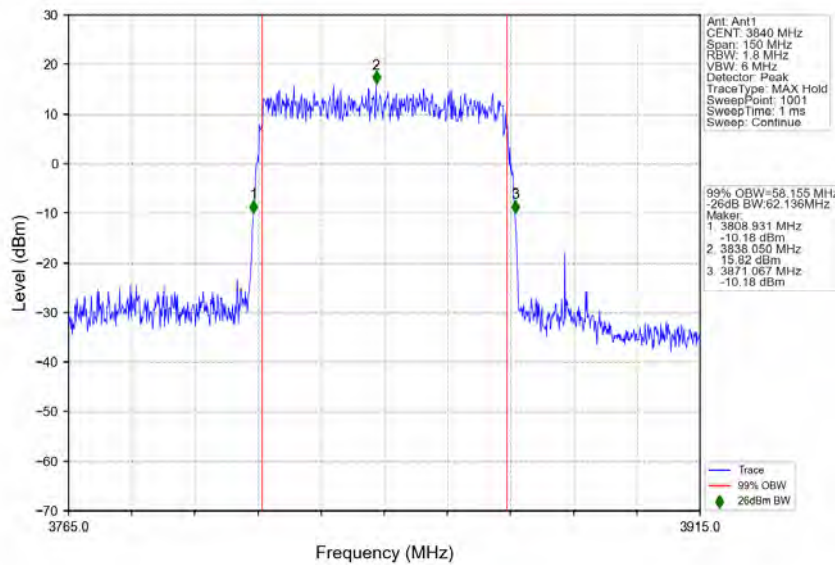
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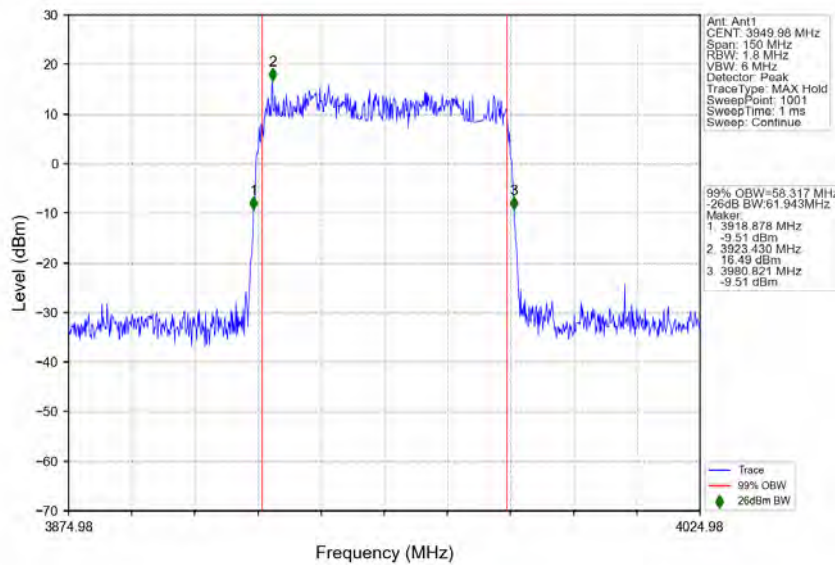
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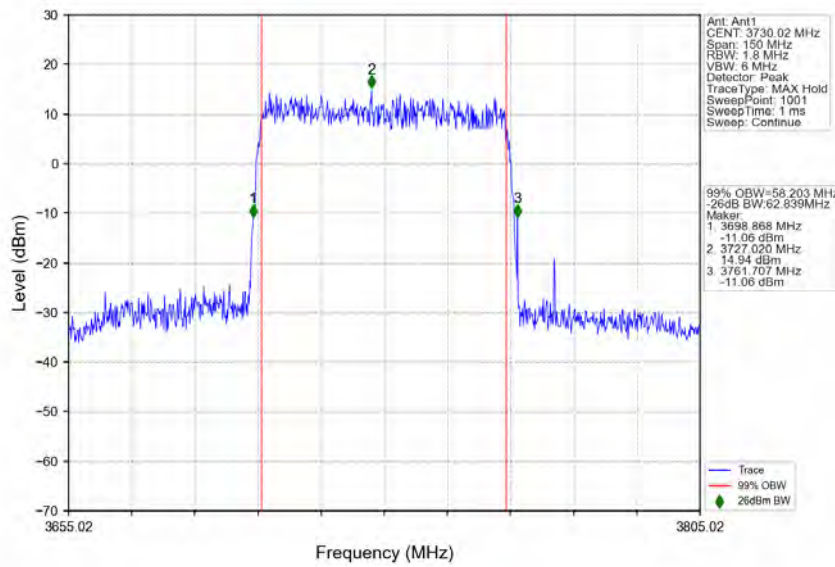
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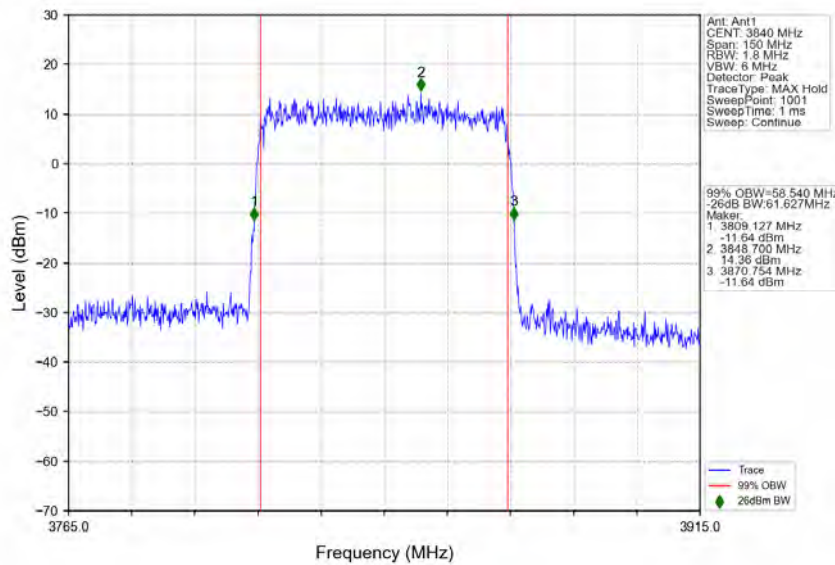
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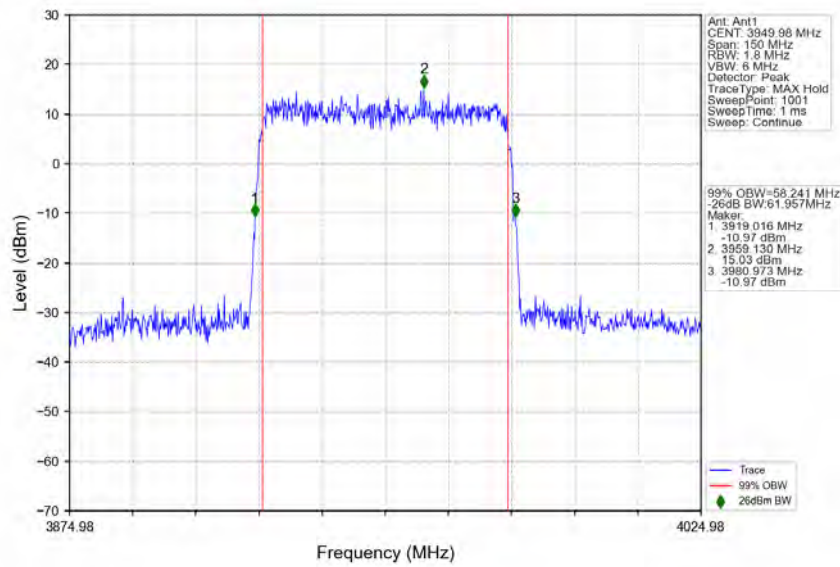
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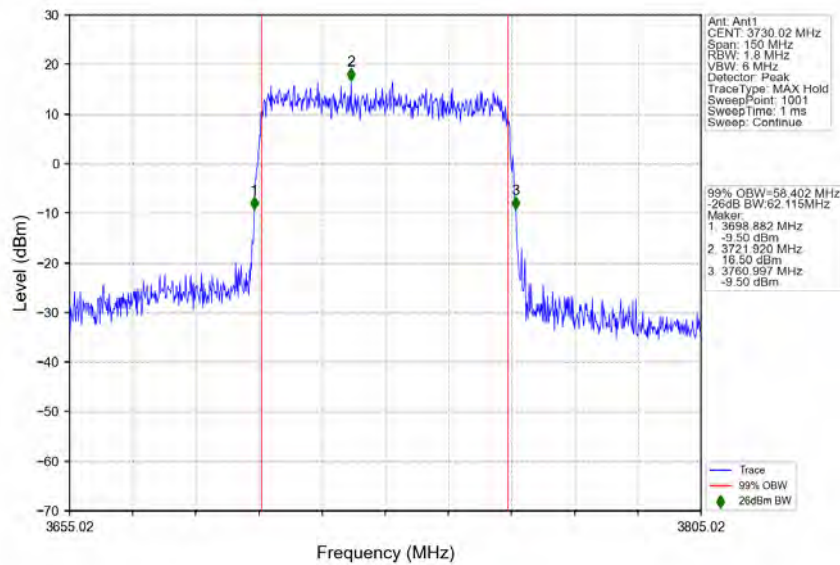
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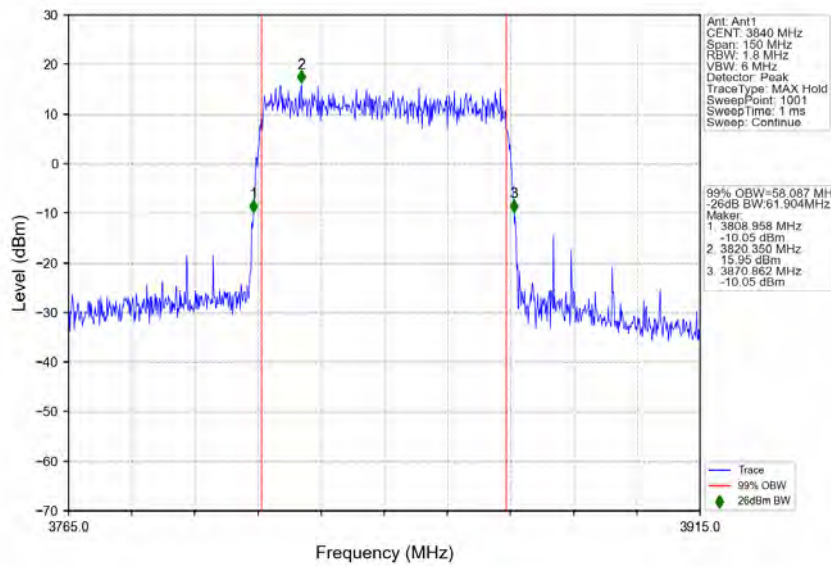
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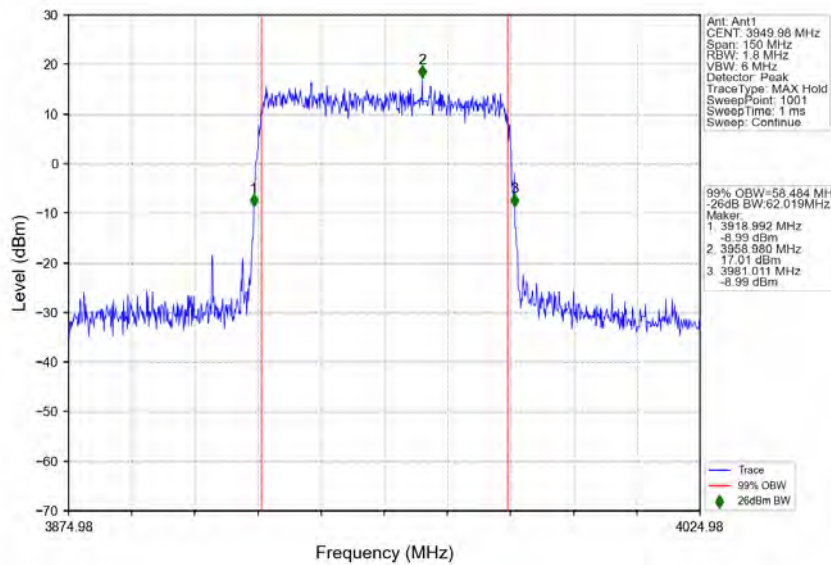
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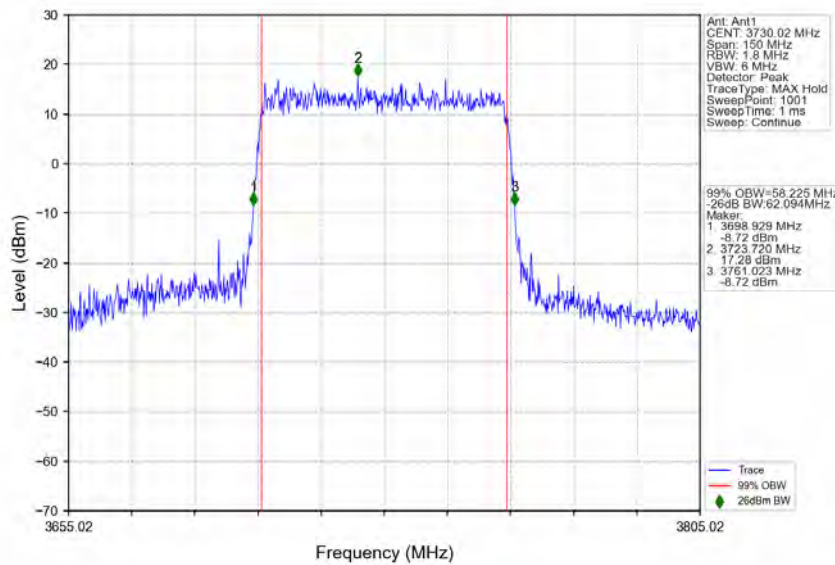
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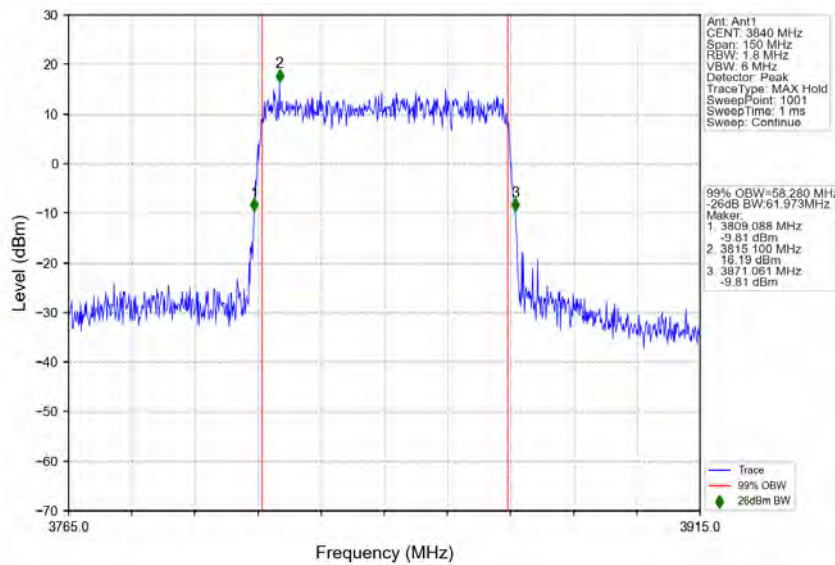
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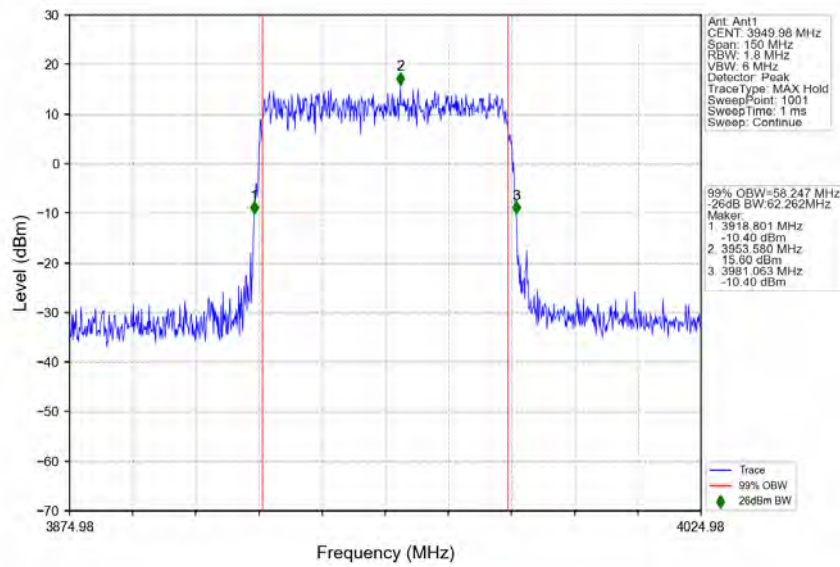
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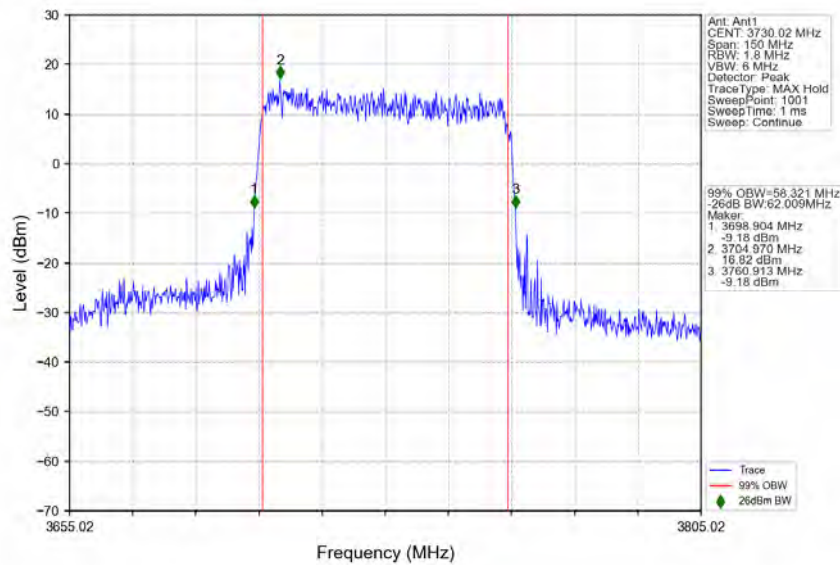
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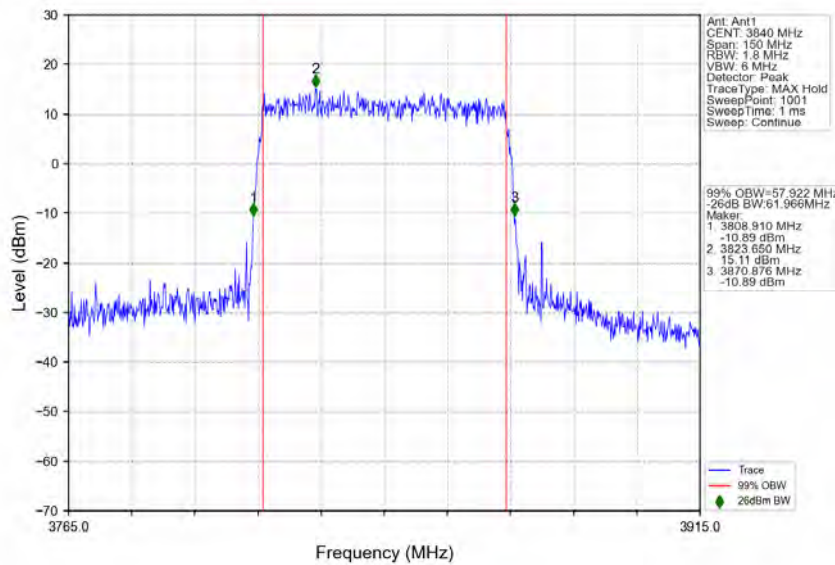
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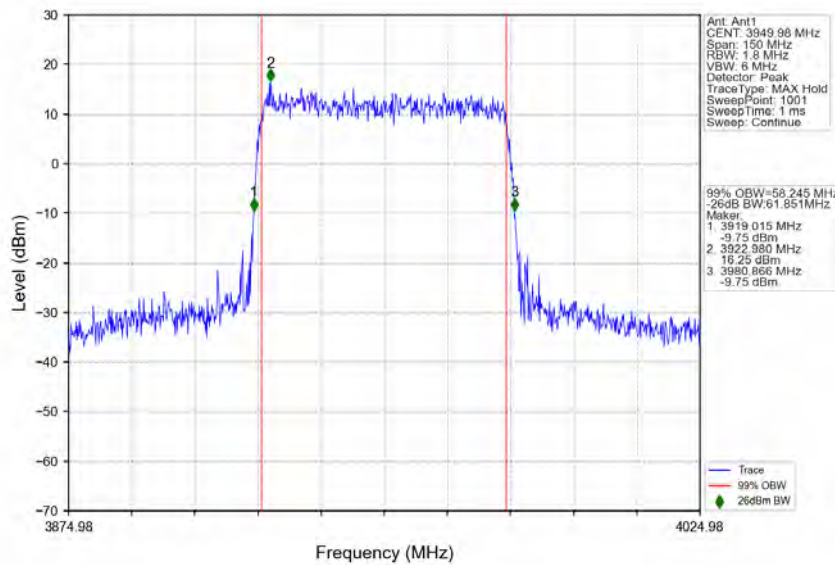
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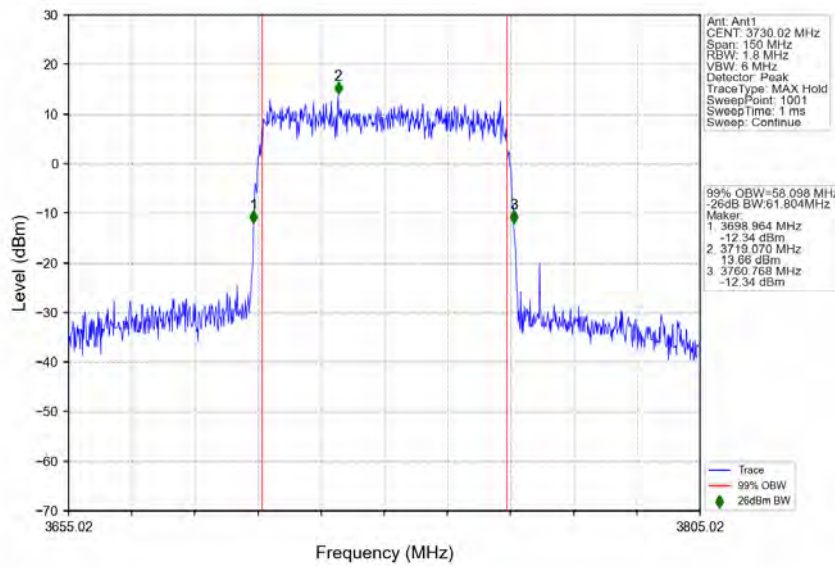
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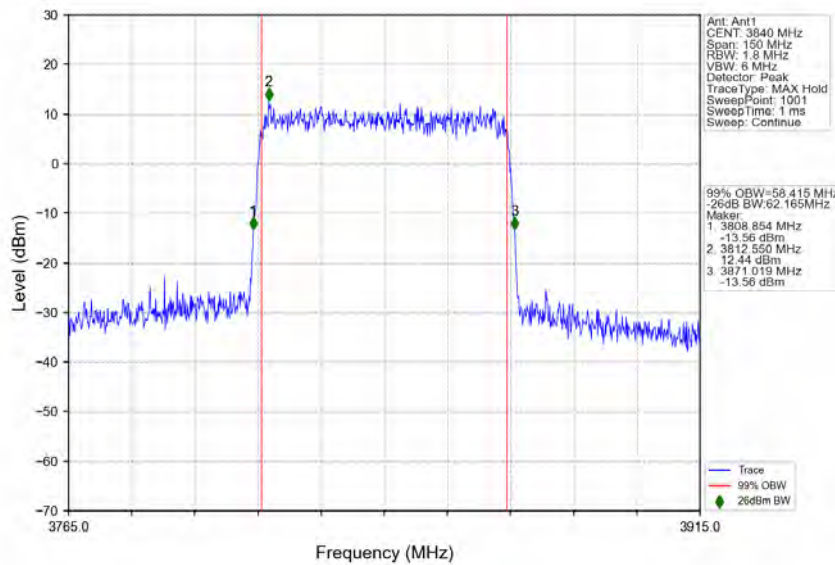
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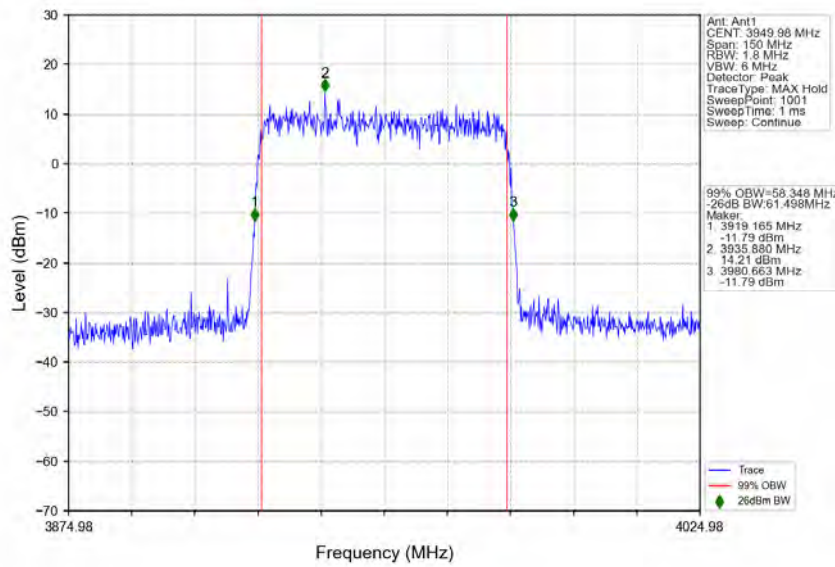
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n77a_30kHz_SISO_NTNV_60MHz_CP-OFDM 256 QAM_3840MHz_Outer_Full

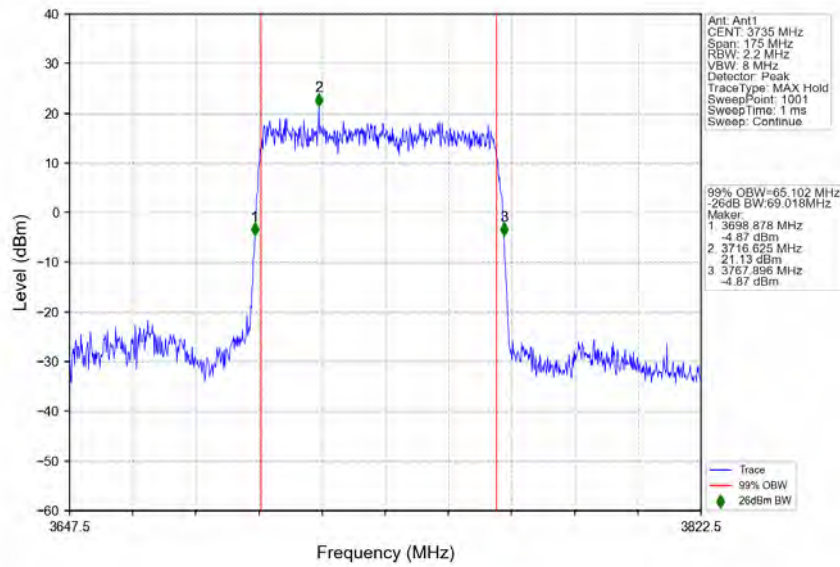


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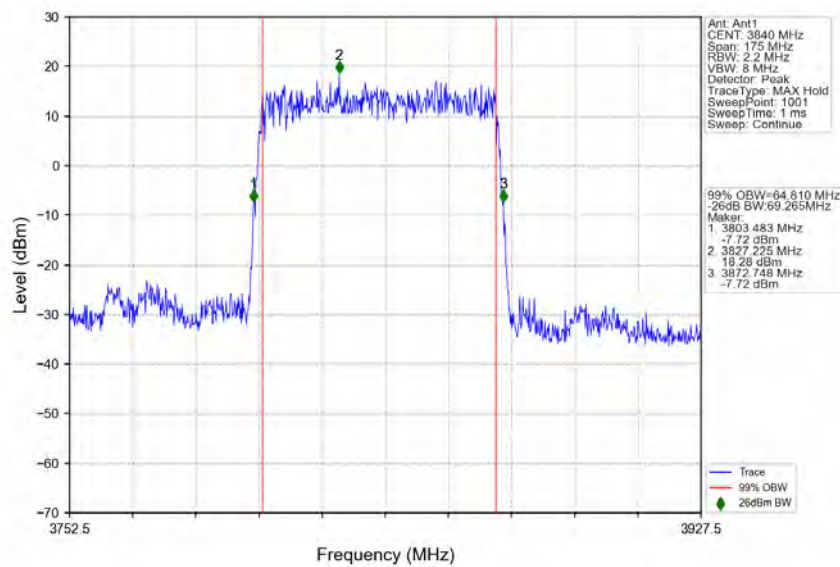


3.2.6 30k_SISO_70MHz_NTNV

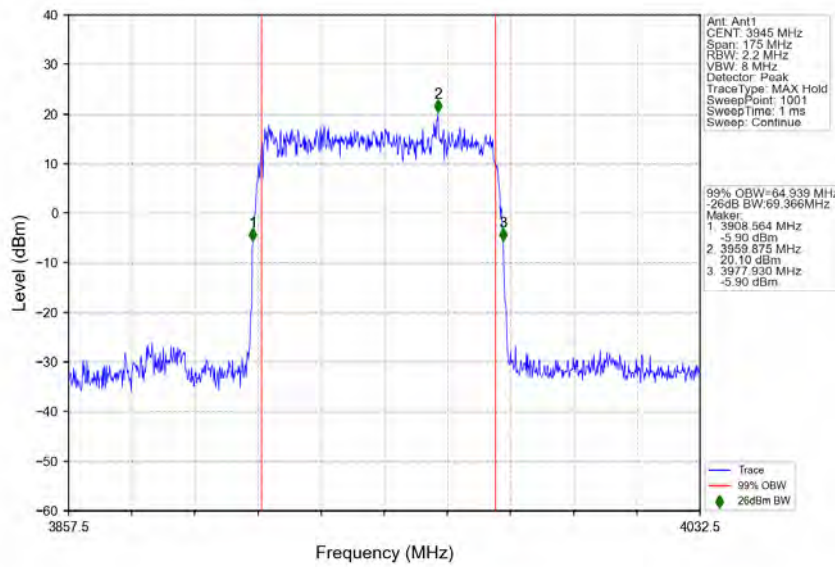
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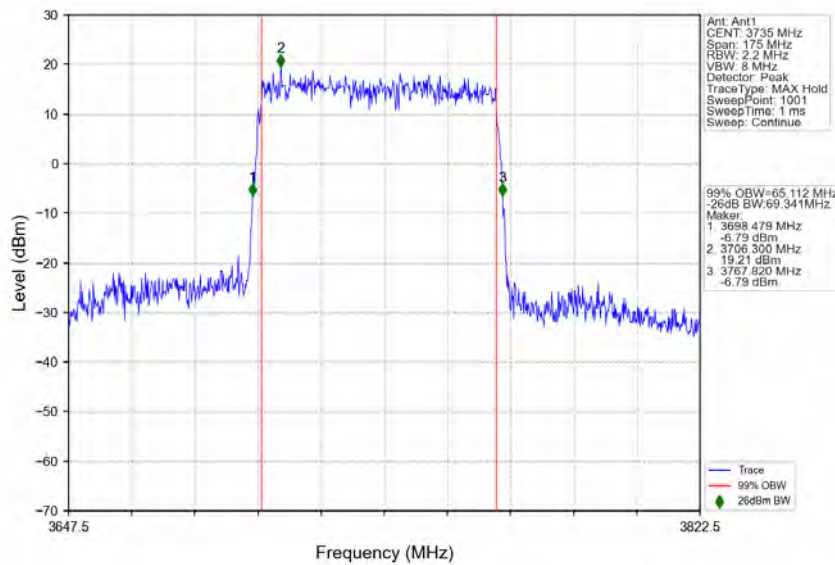
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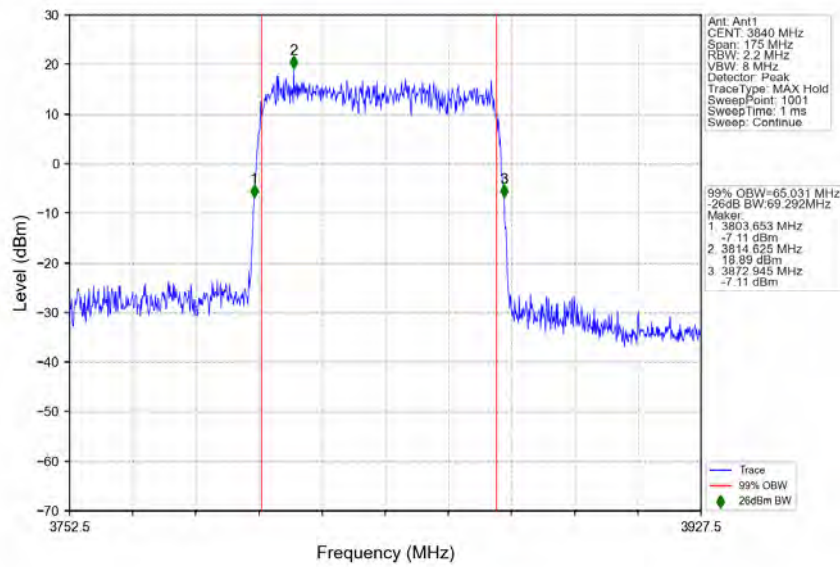
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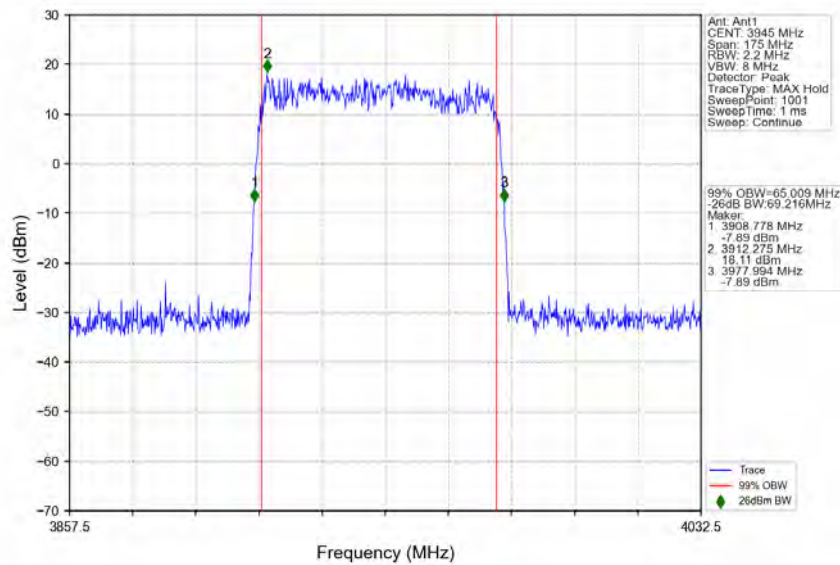
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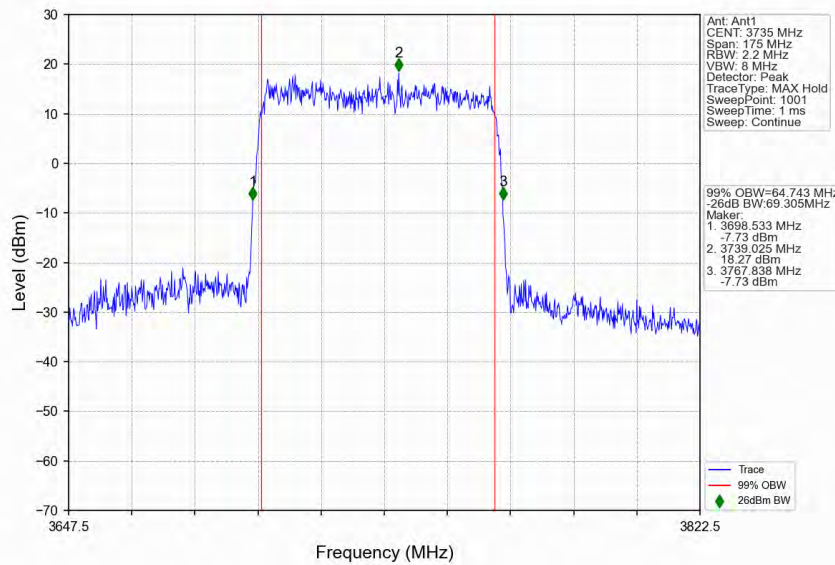
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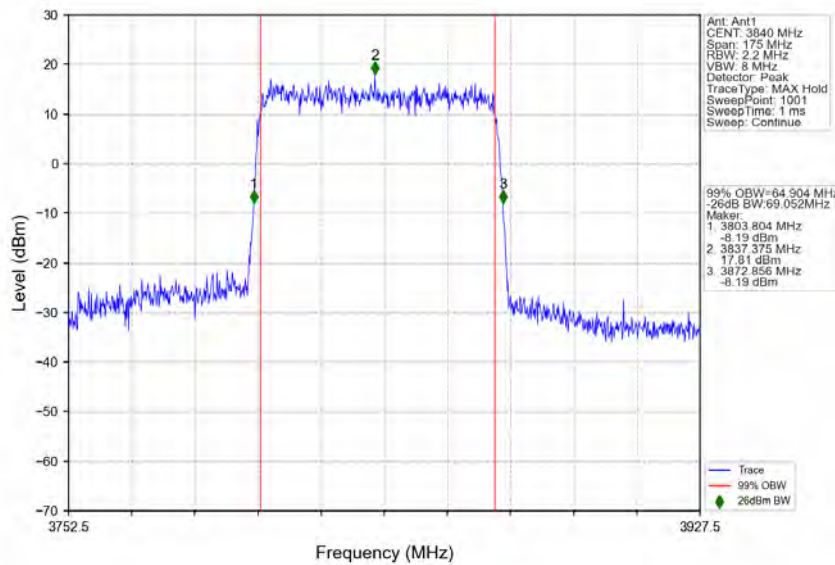
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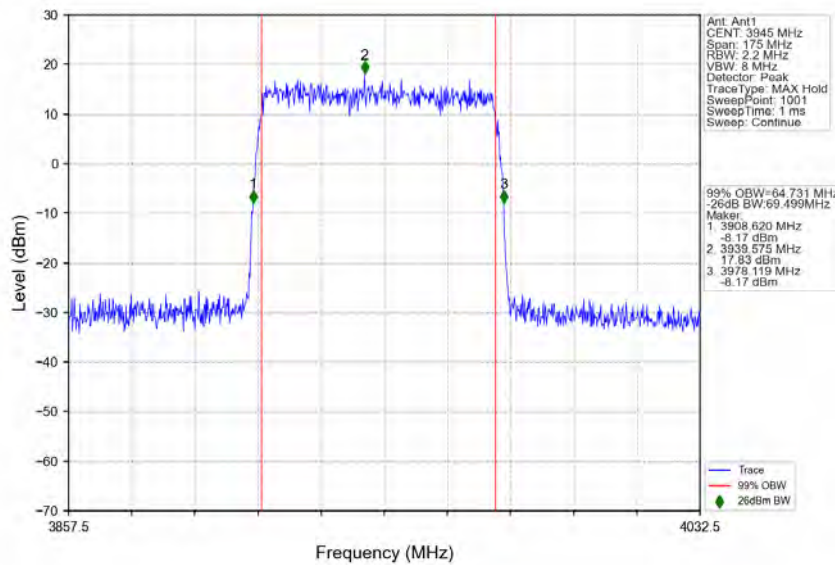
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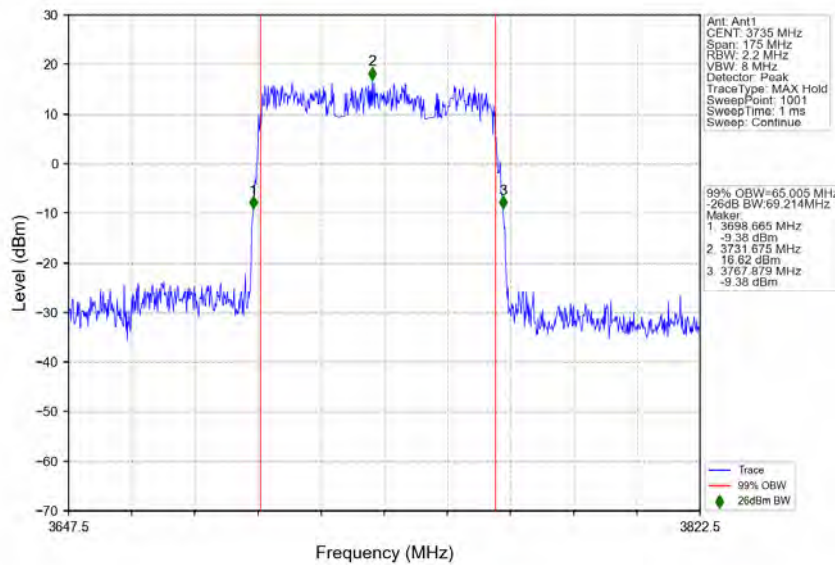
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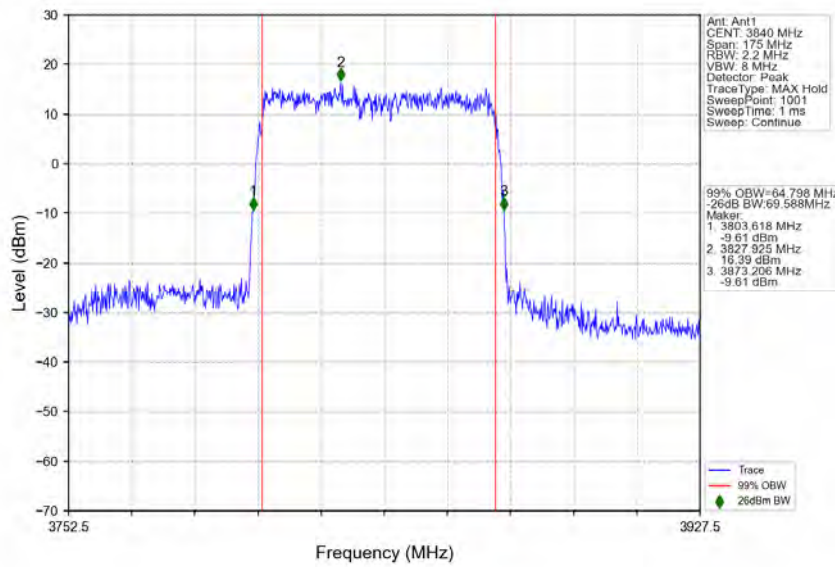
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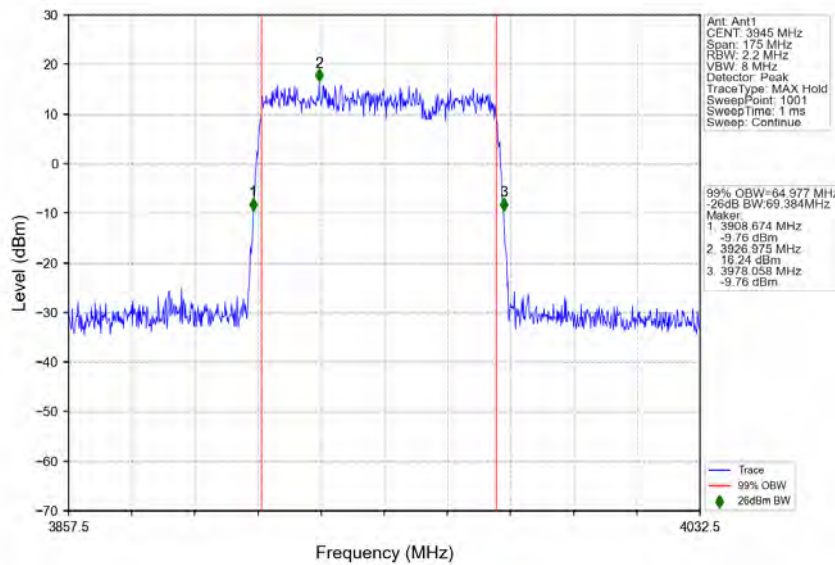
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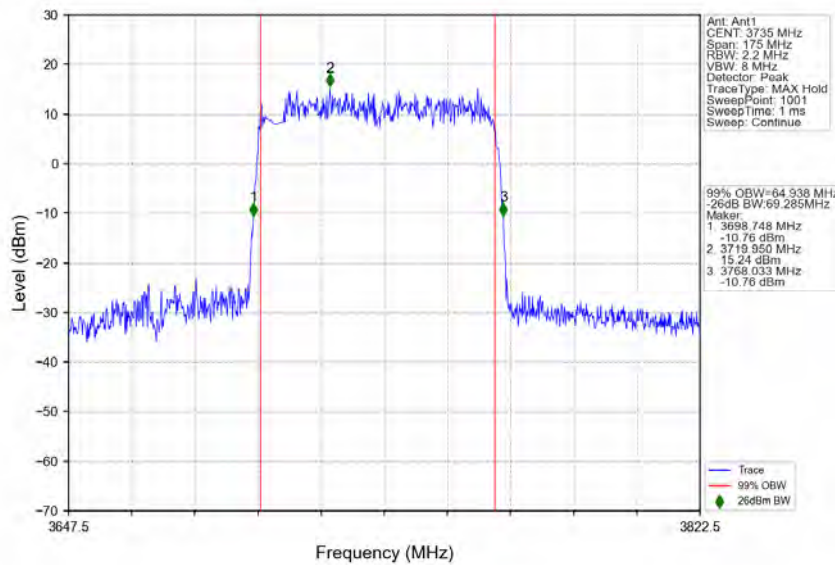
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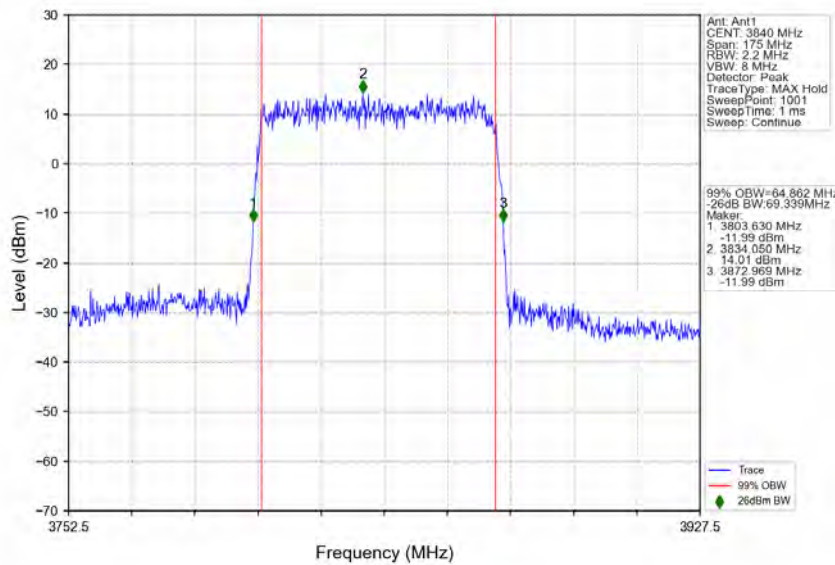
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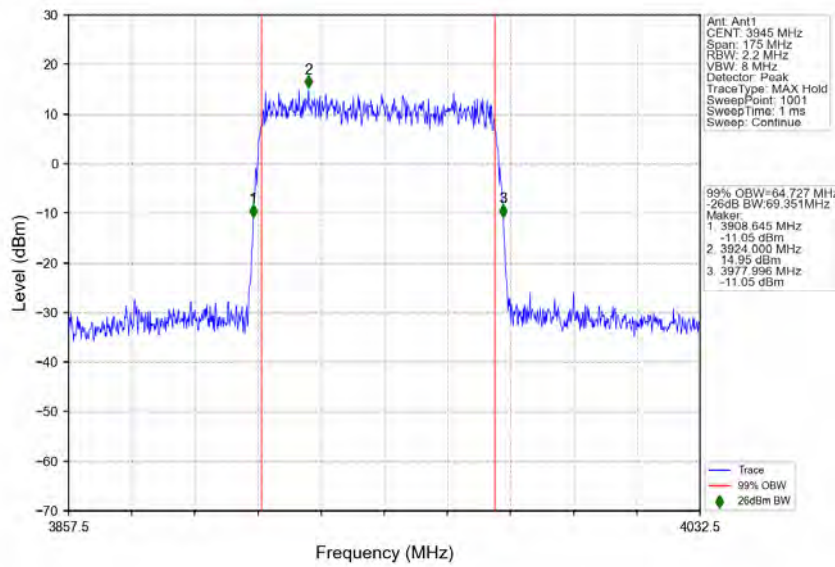
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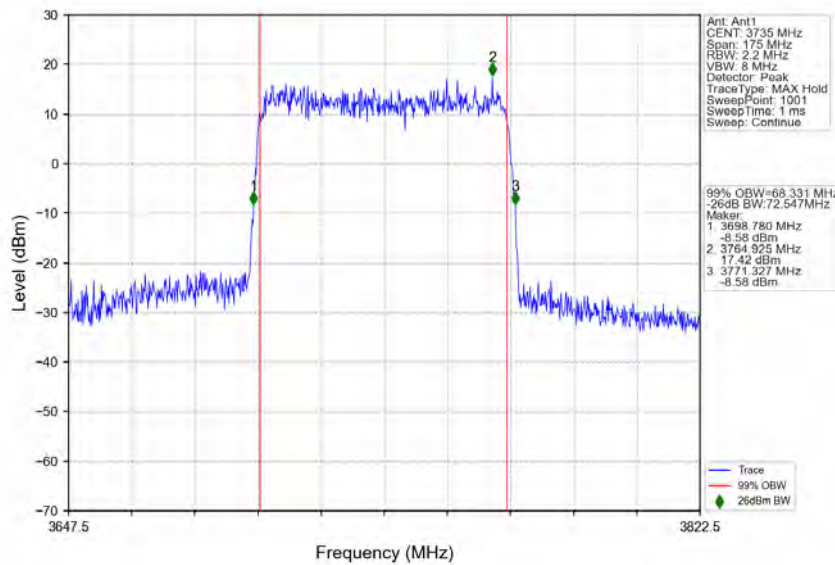
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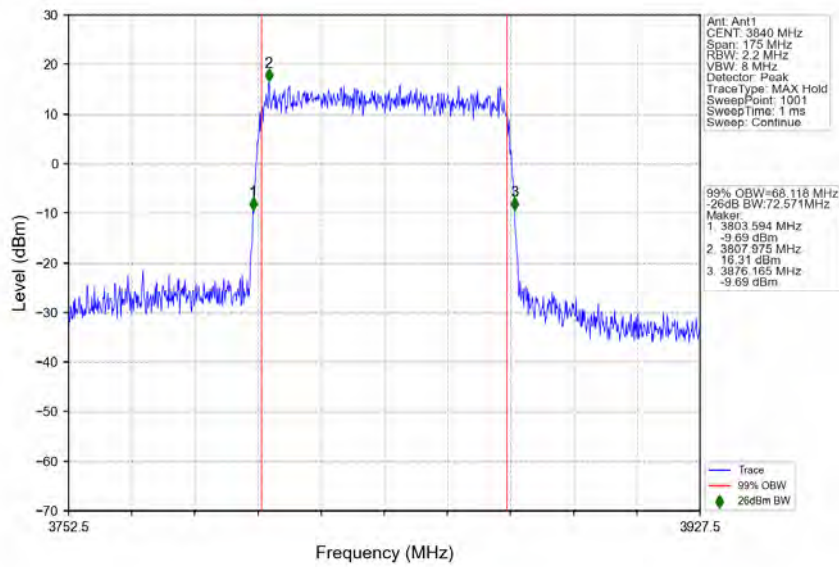
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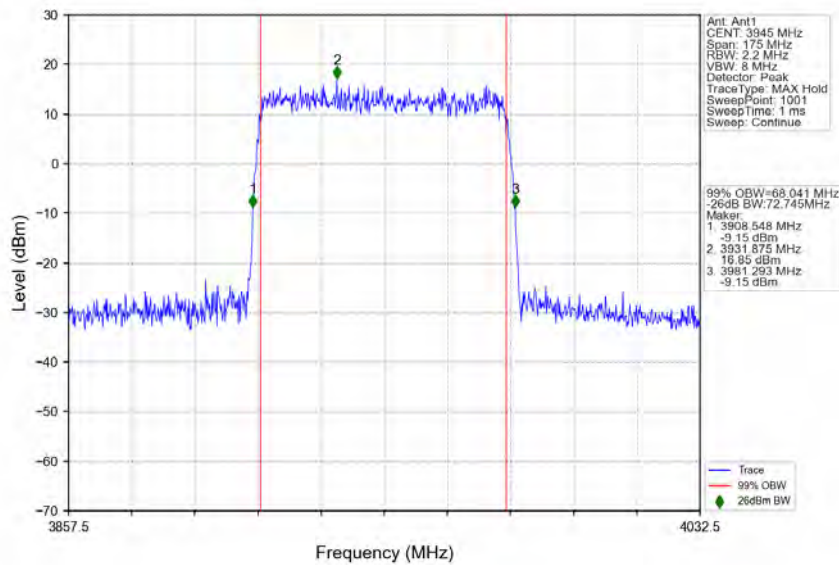
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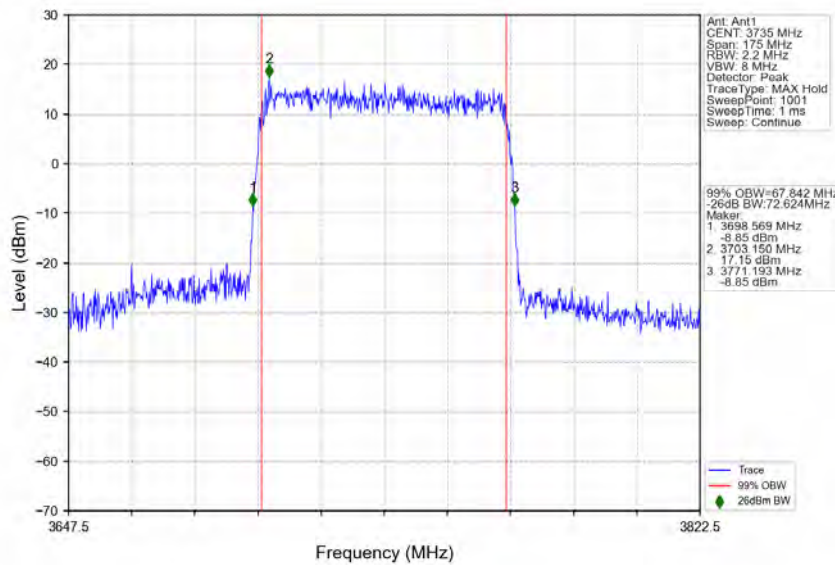
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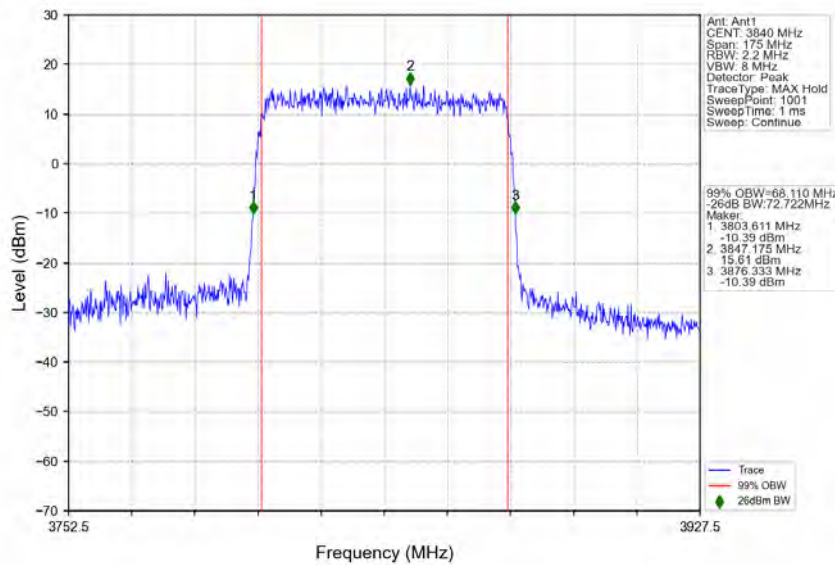
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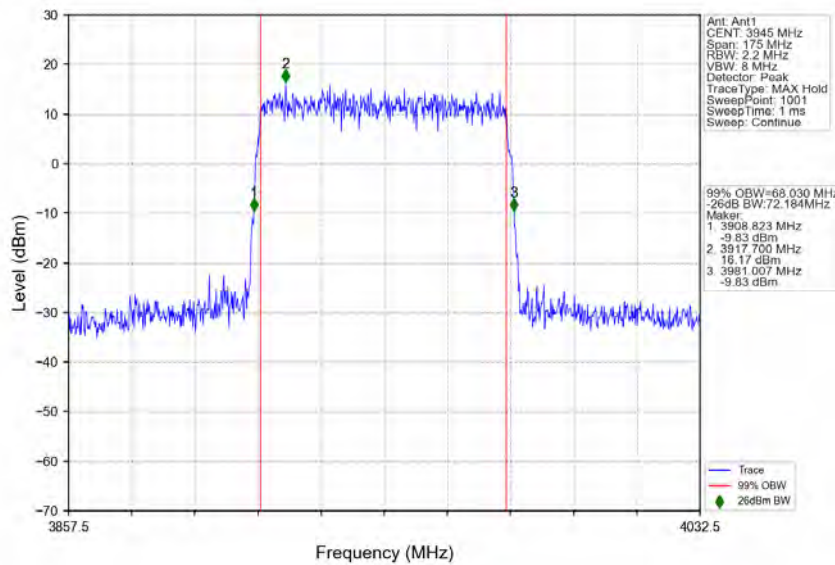
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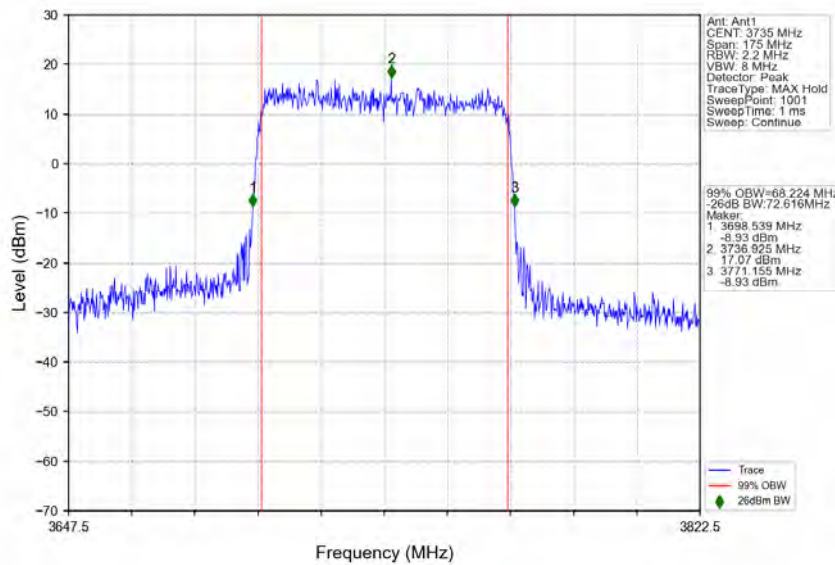
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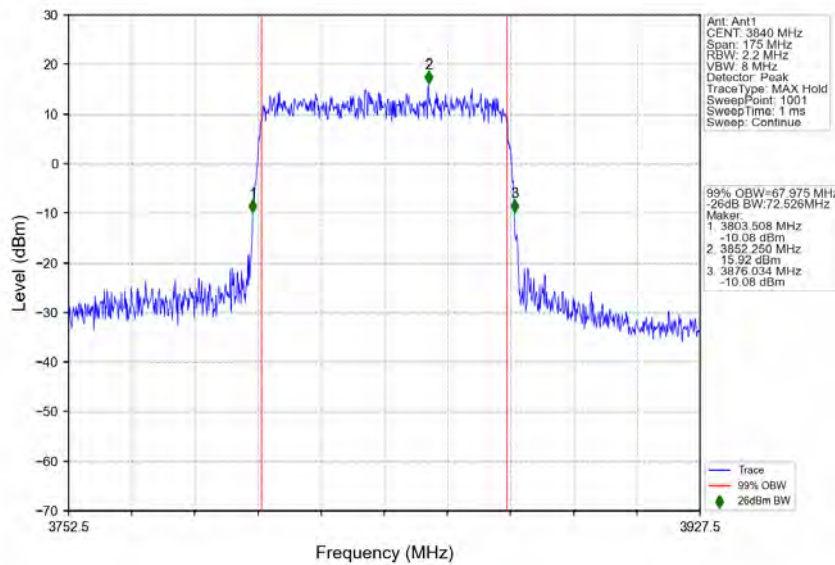
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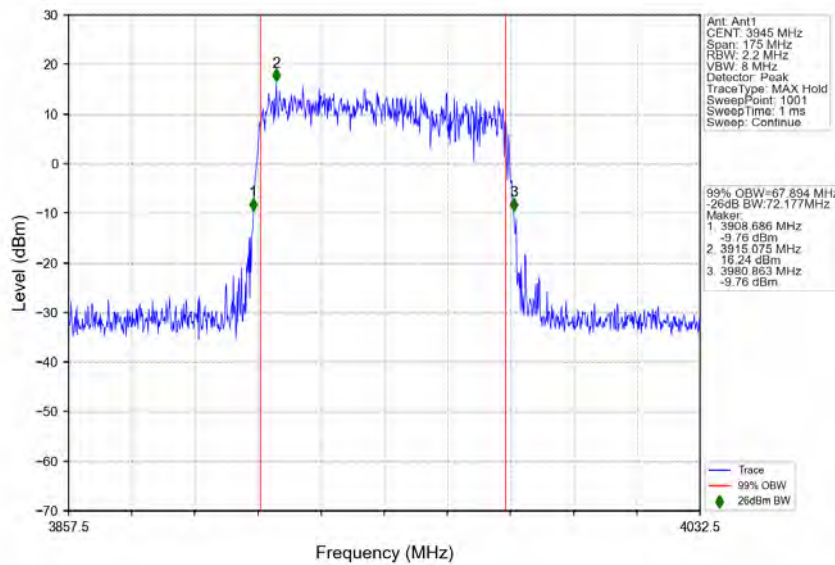
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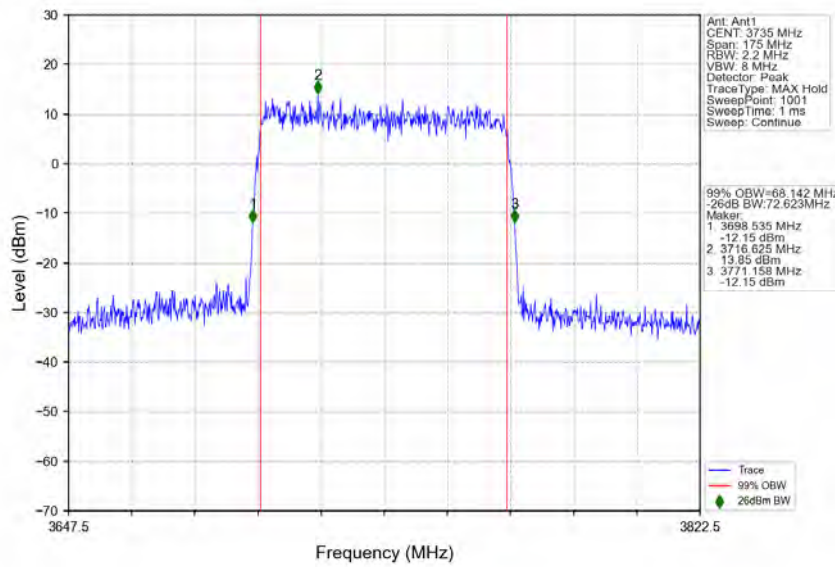
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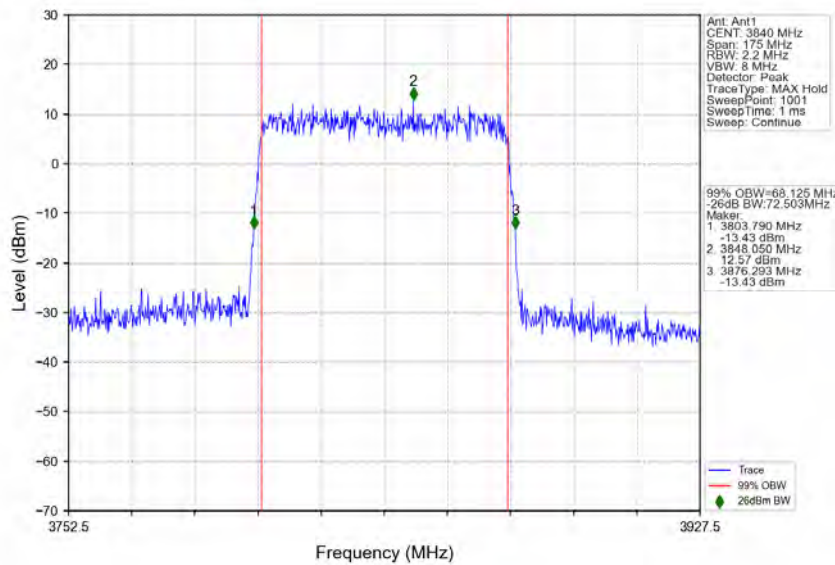
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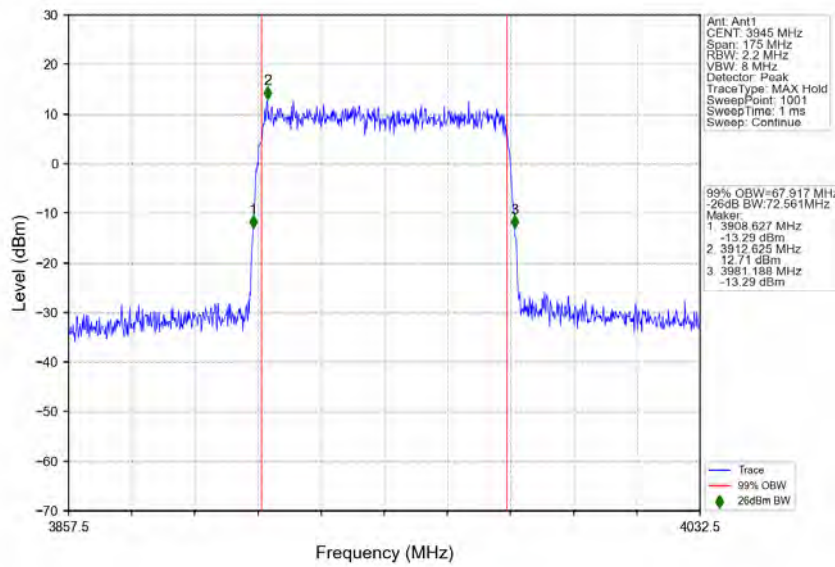
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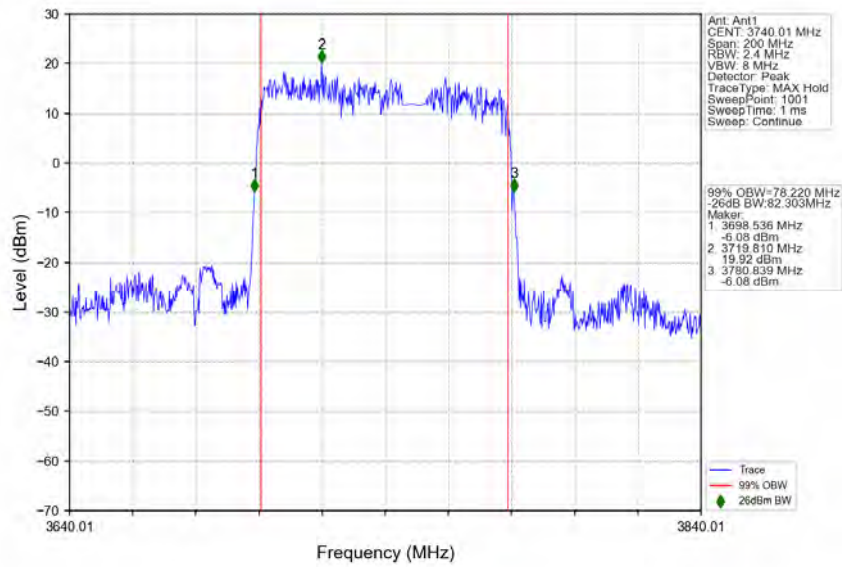


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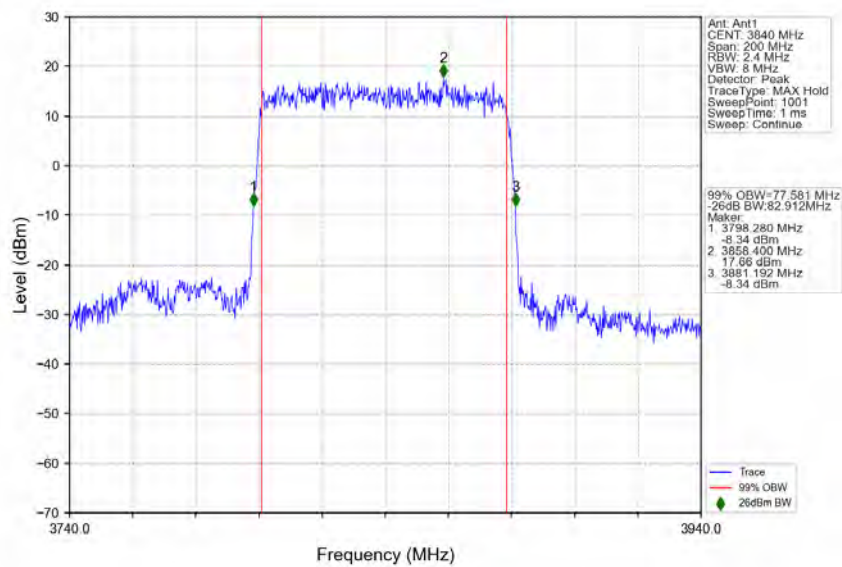


3.2.7 30k_SISO_80MHz_NTNV

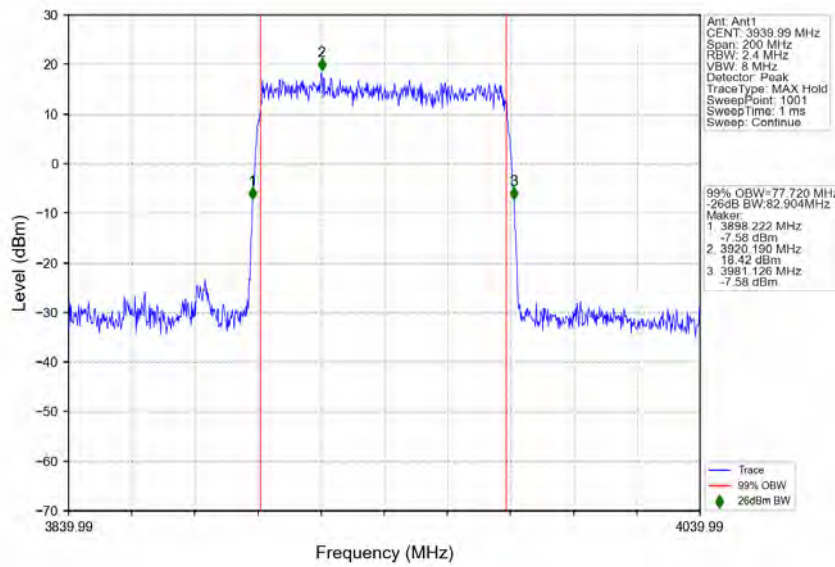
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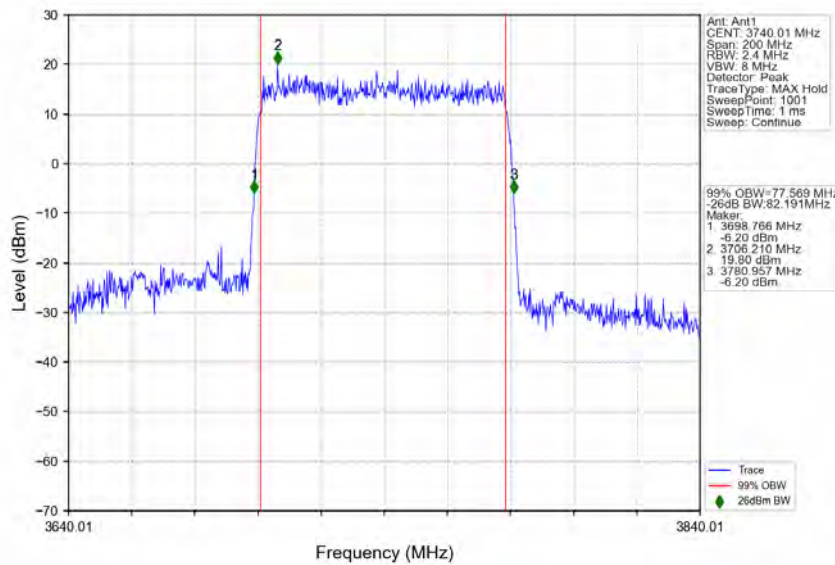
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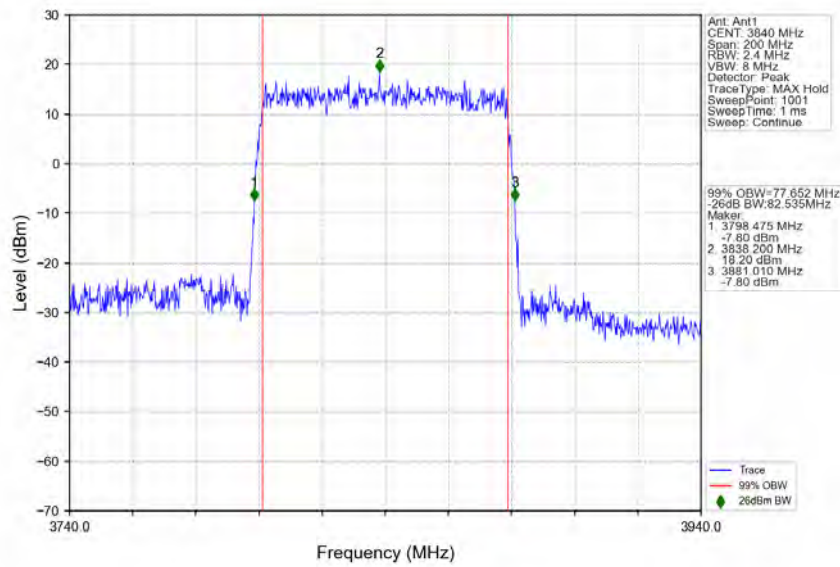
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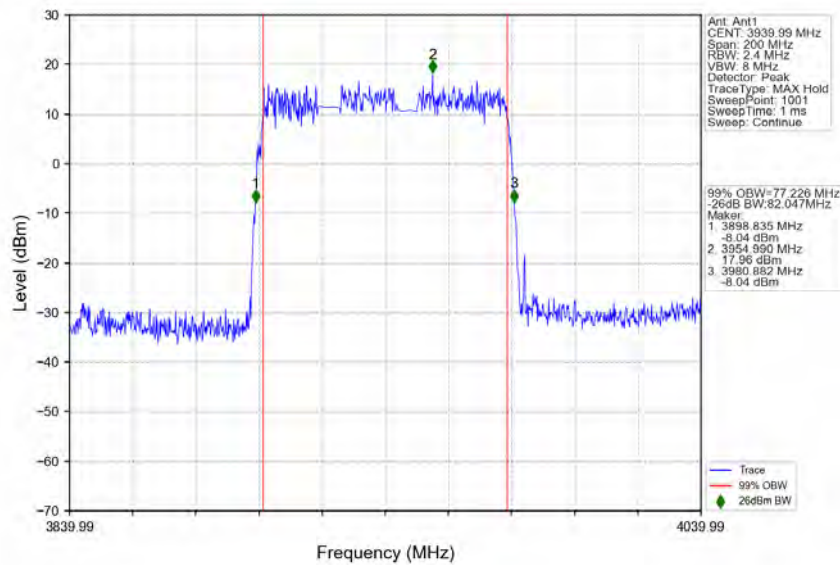
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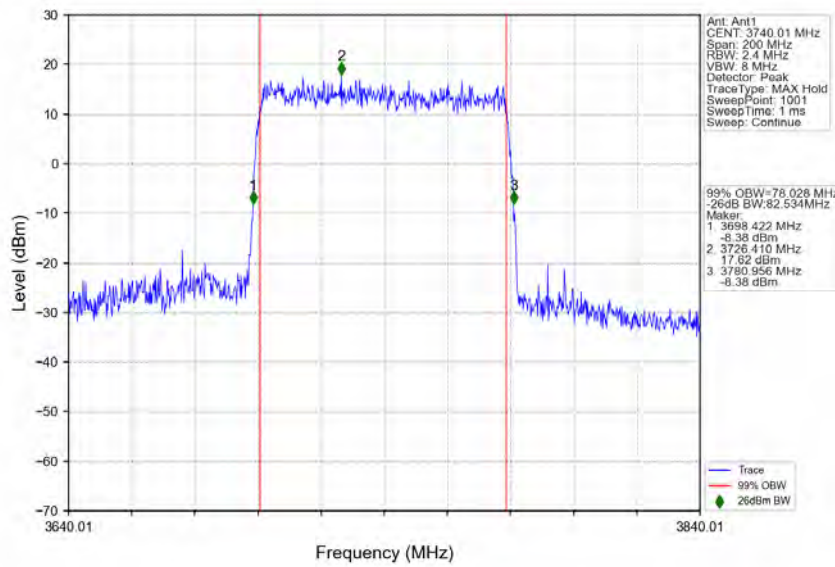
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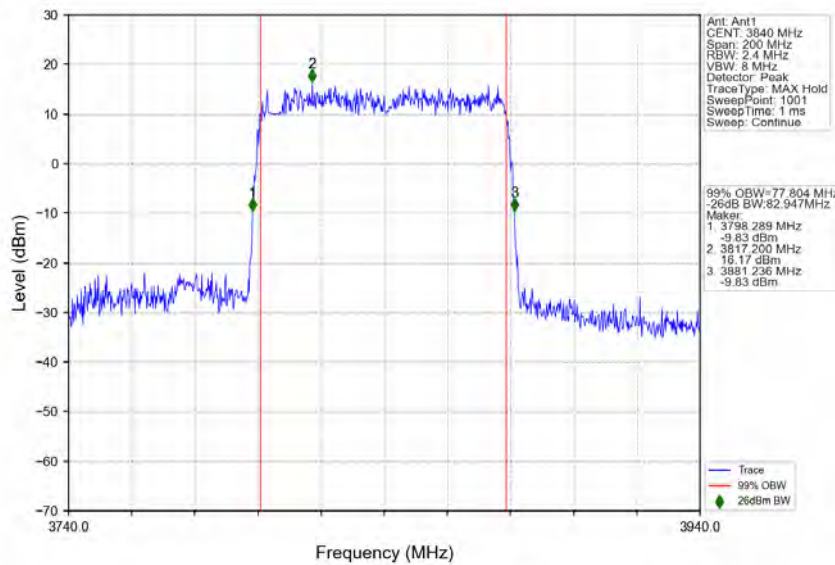
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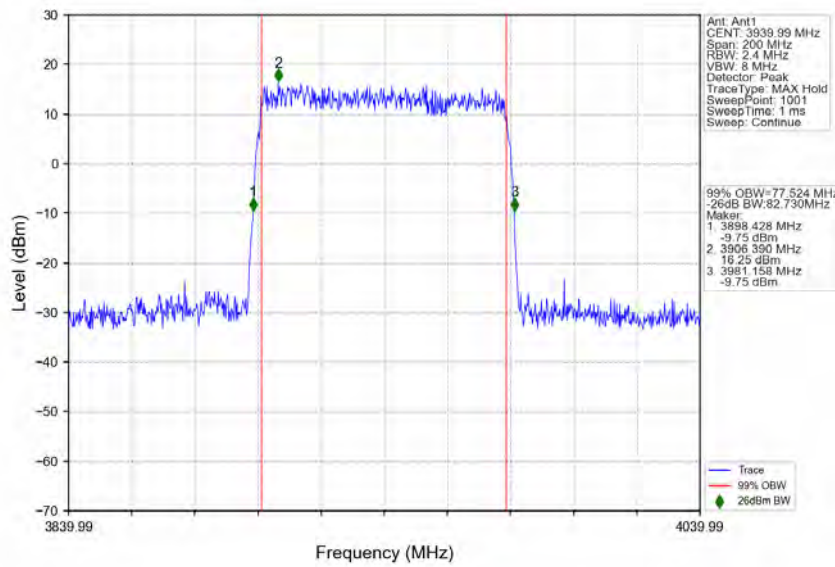
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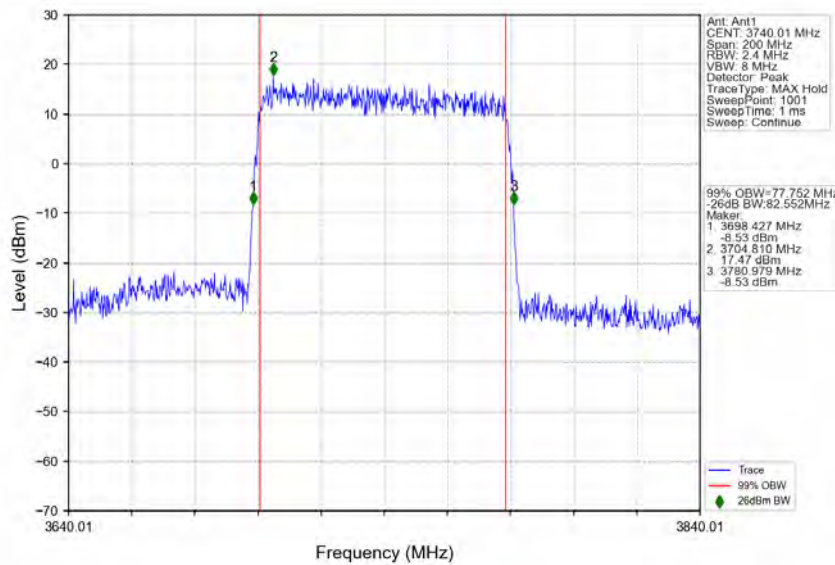
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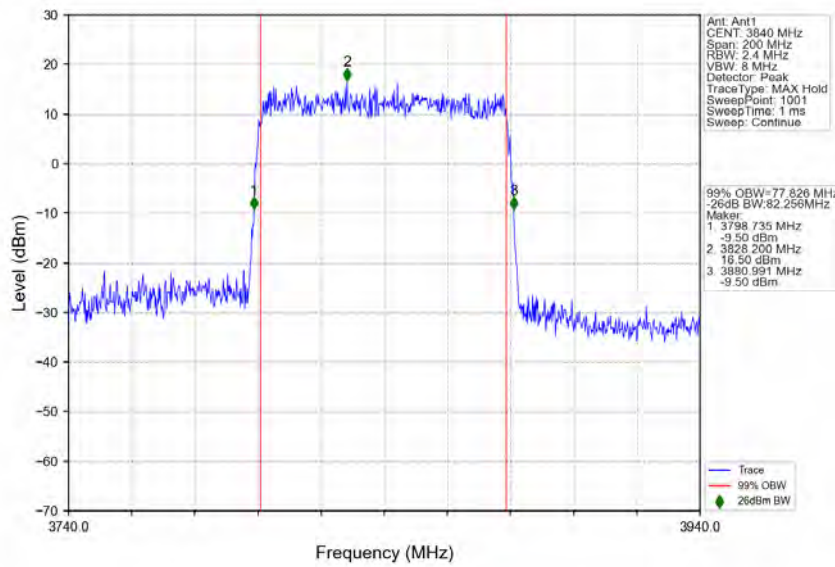
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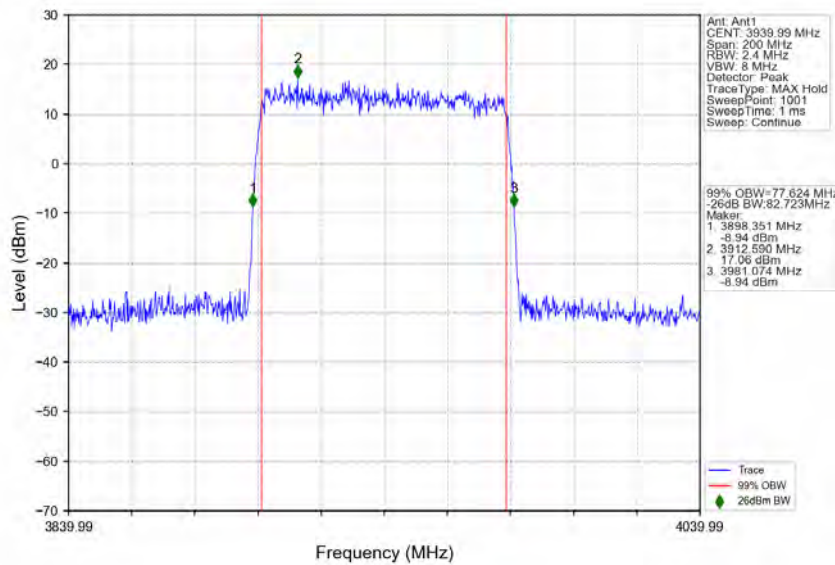
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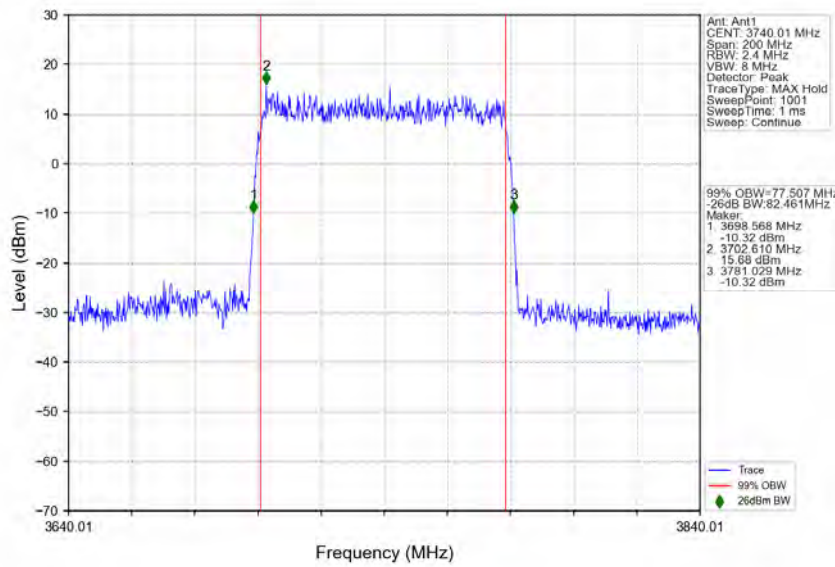
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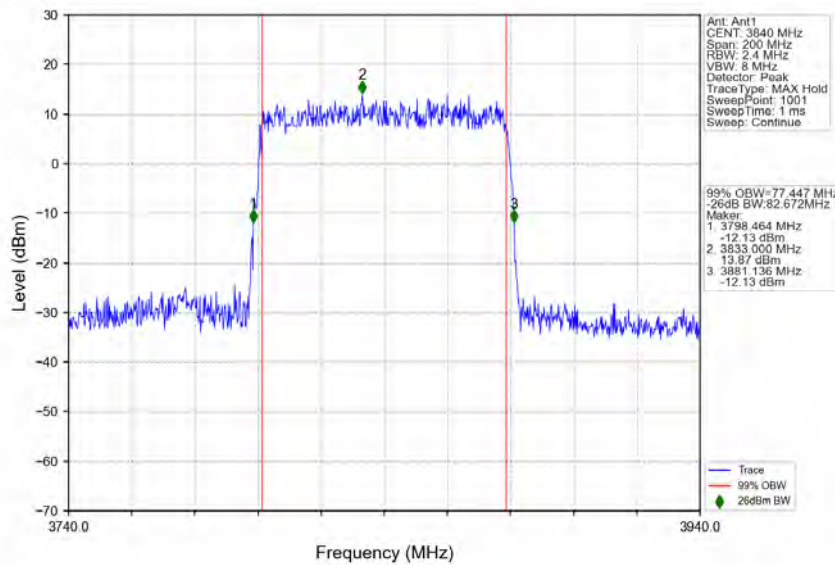
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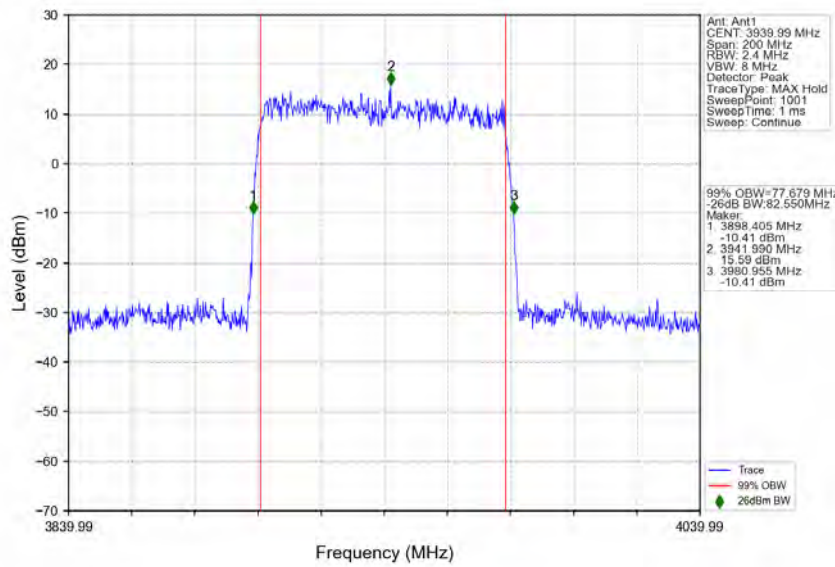
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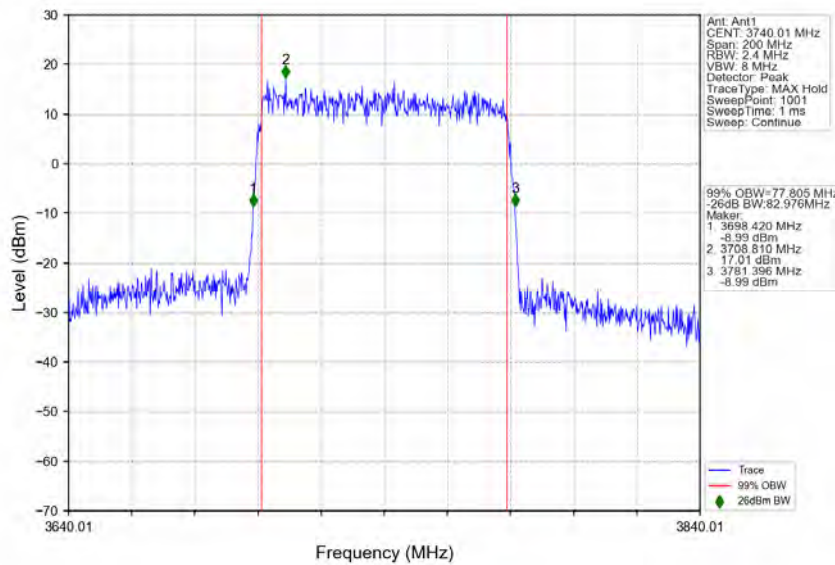
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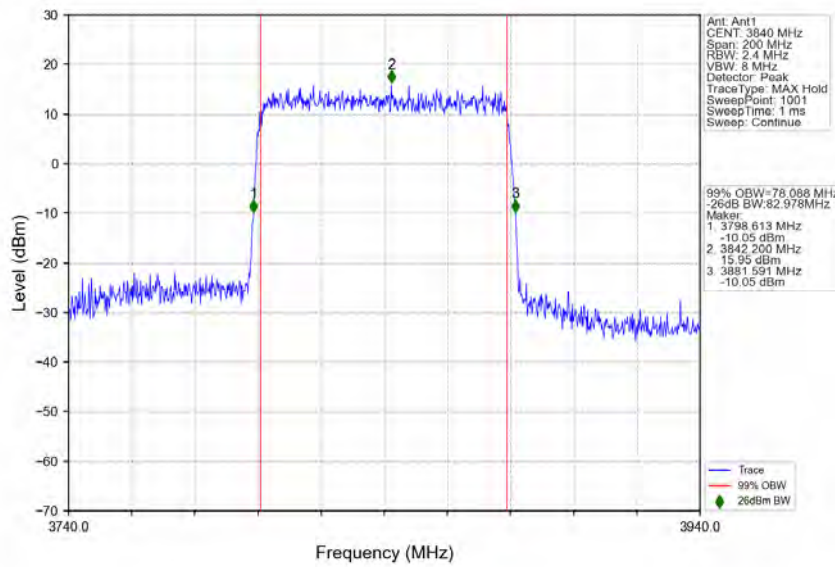
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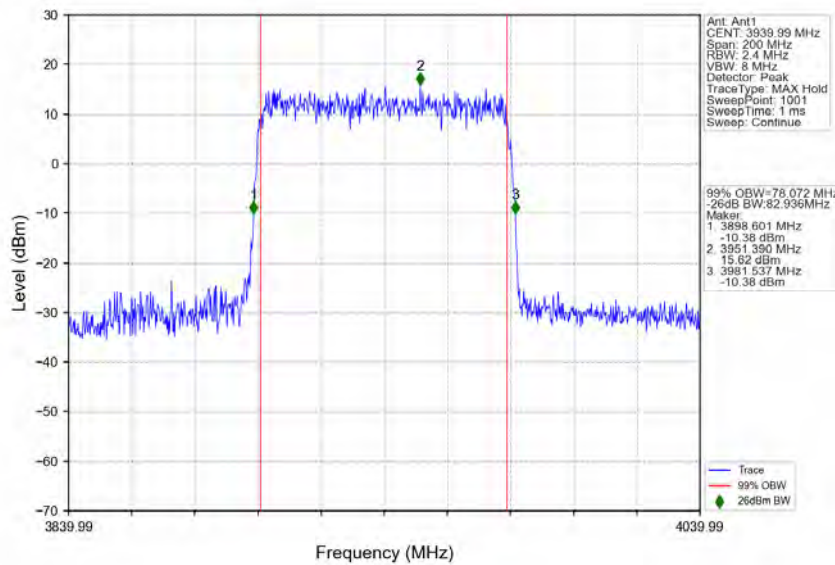
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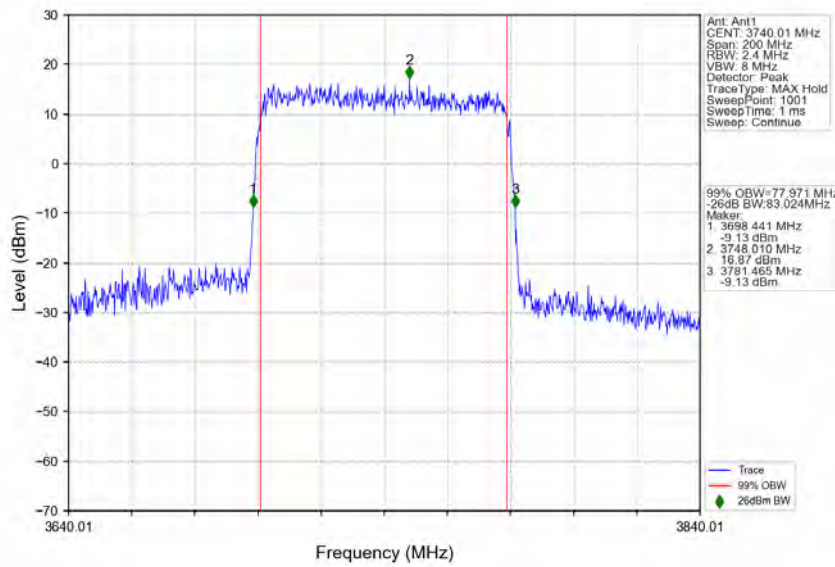
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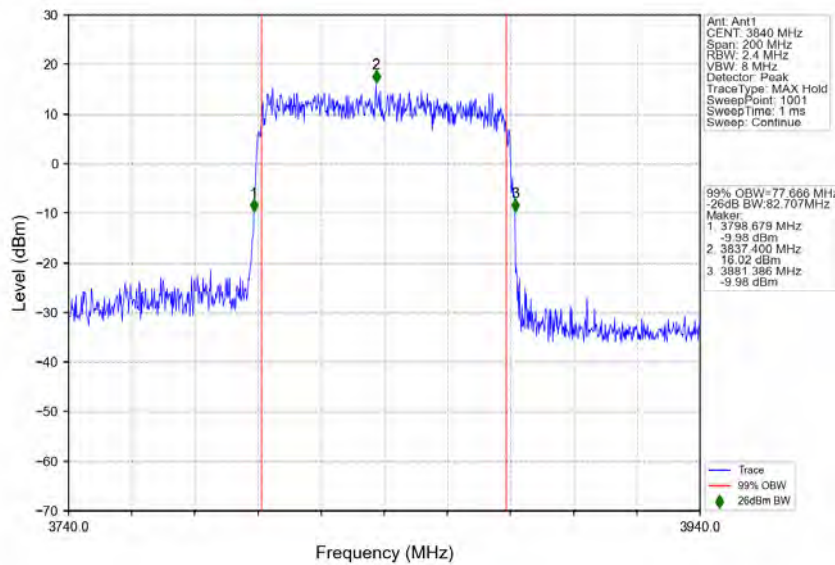
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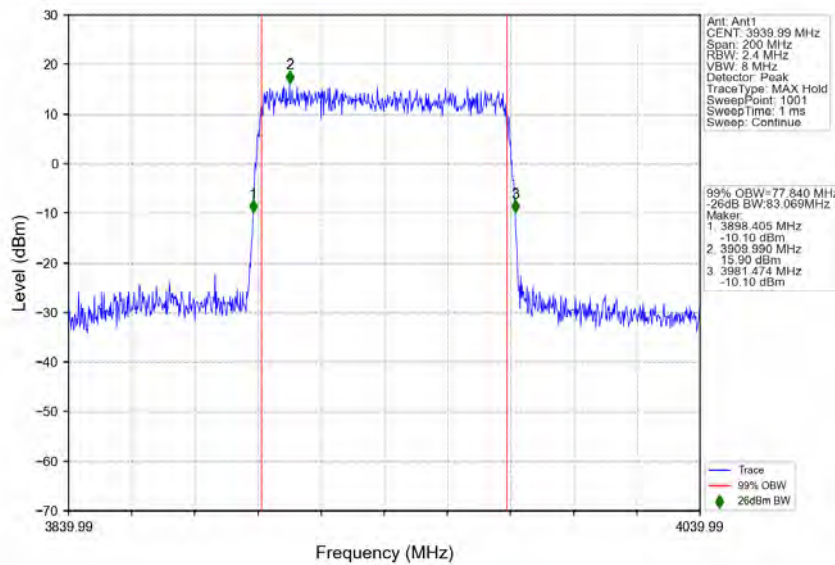
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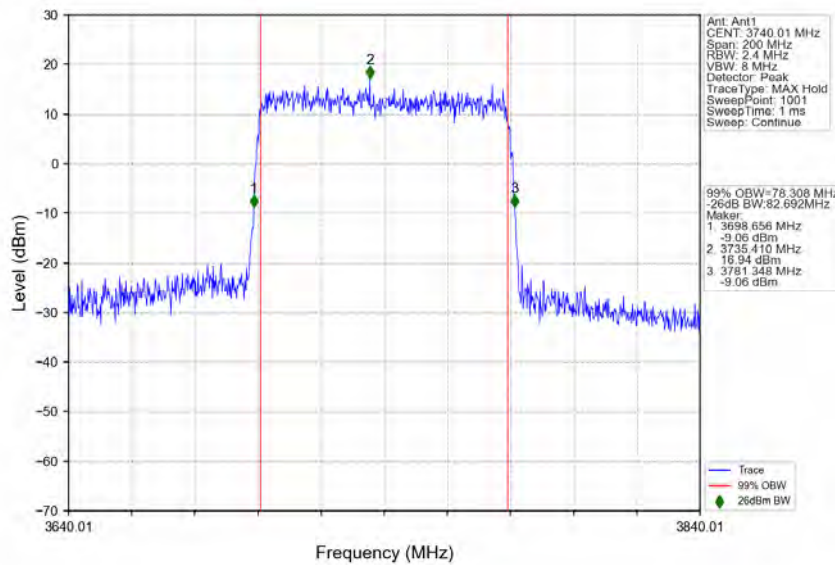
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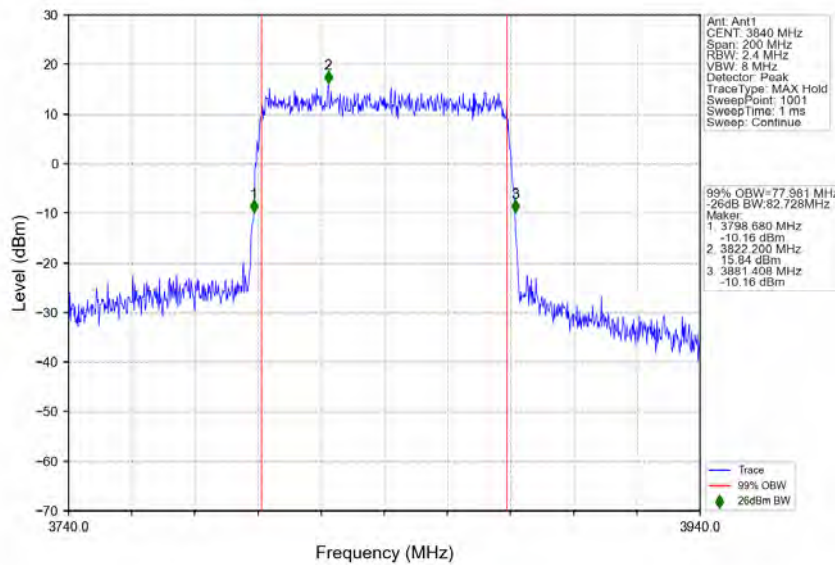
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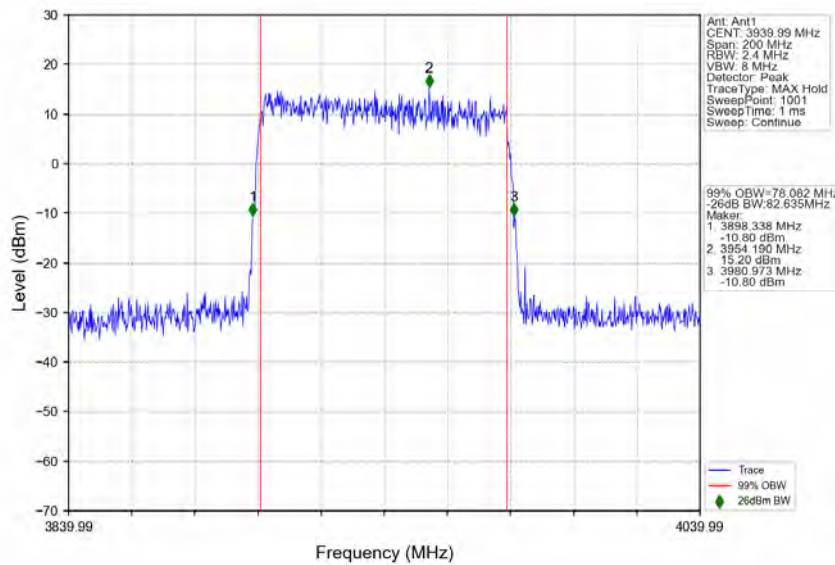
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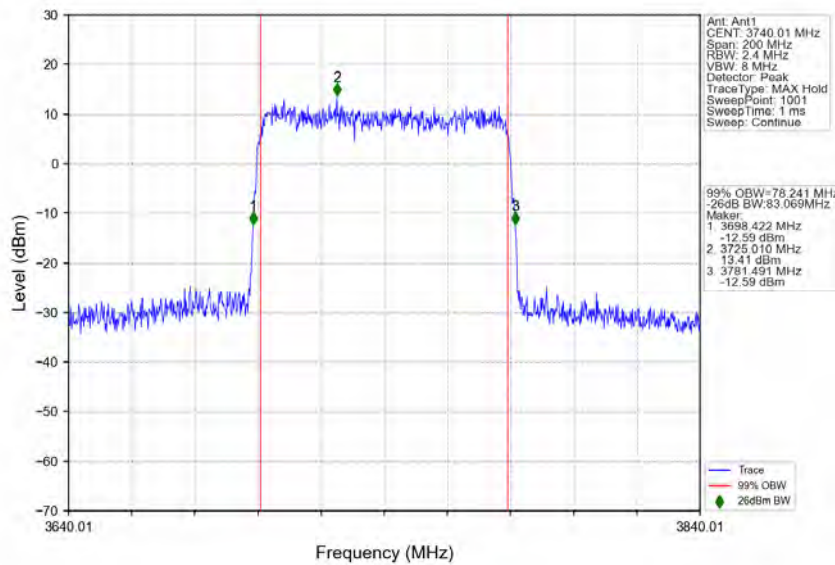
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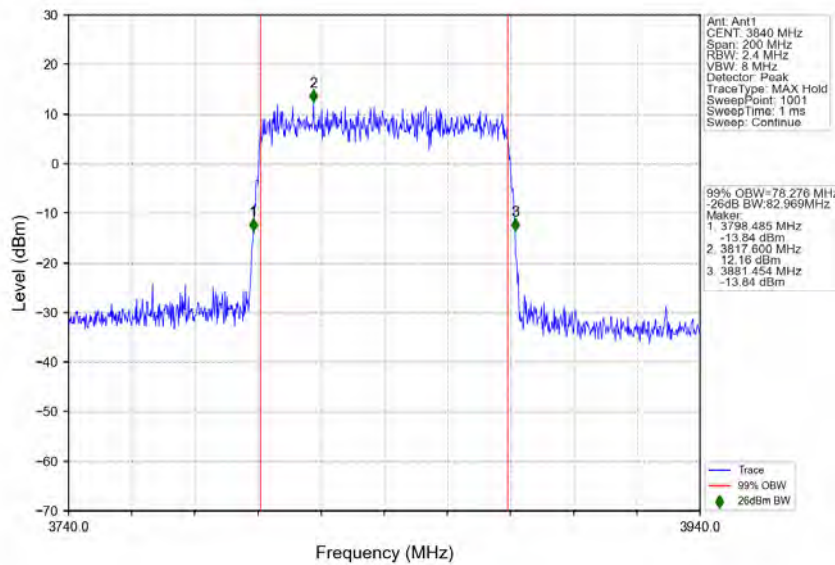
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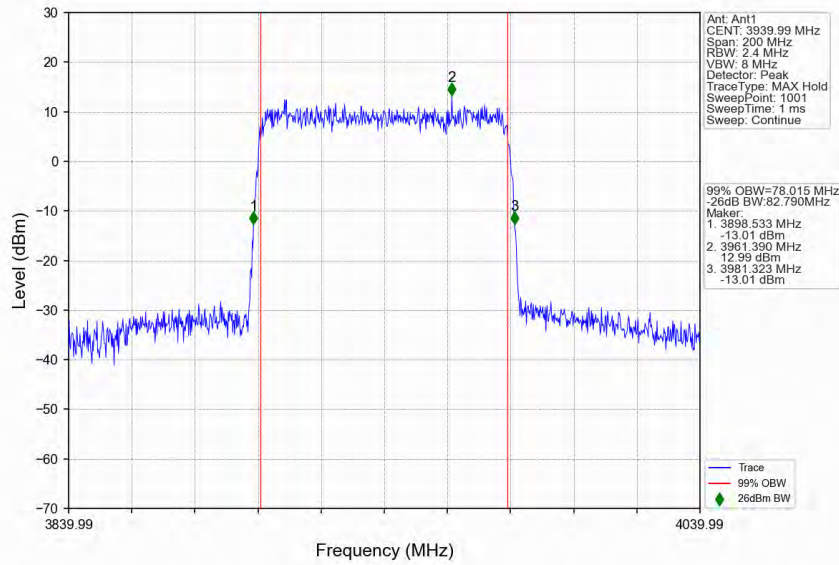
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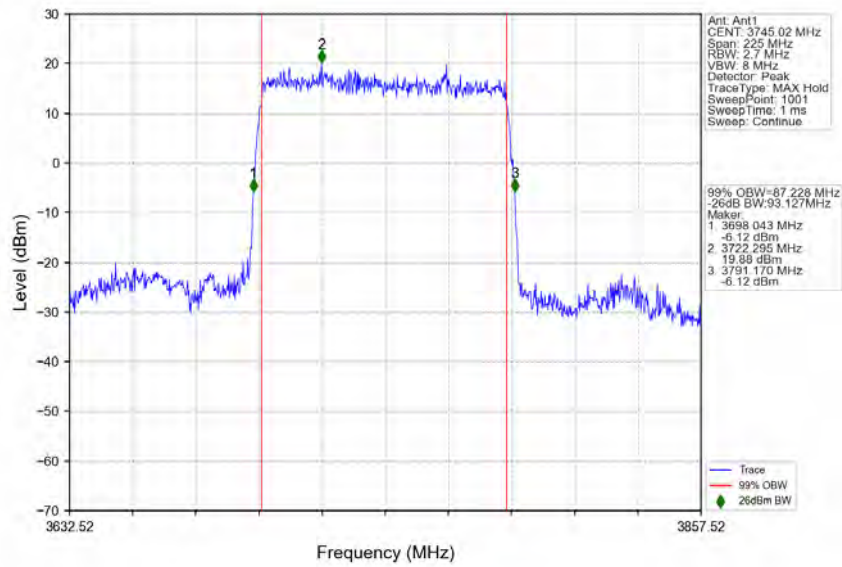


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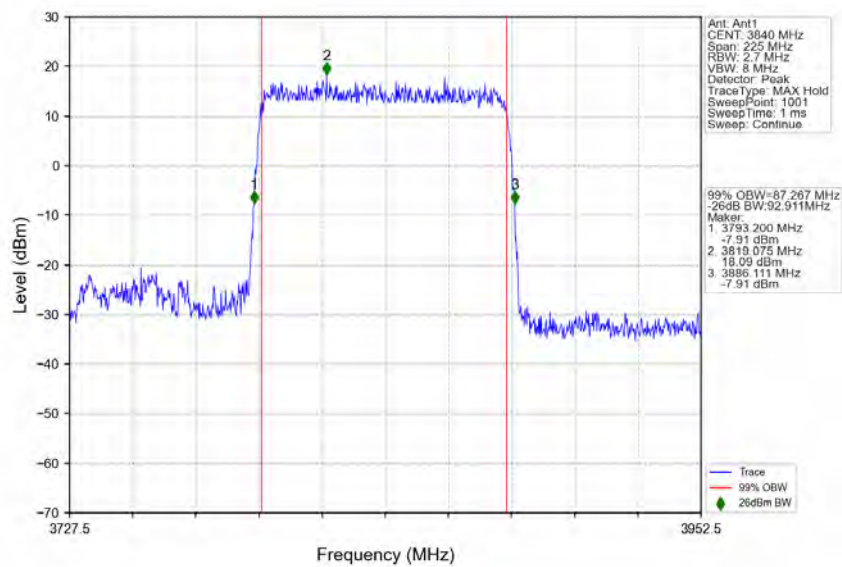


3.2.8 30k_SISO_90MHz_NTNV

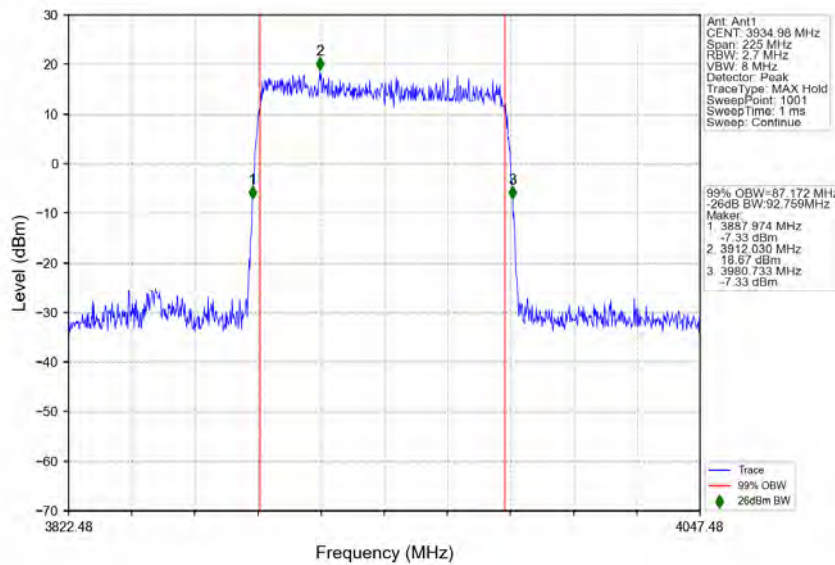
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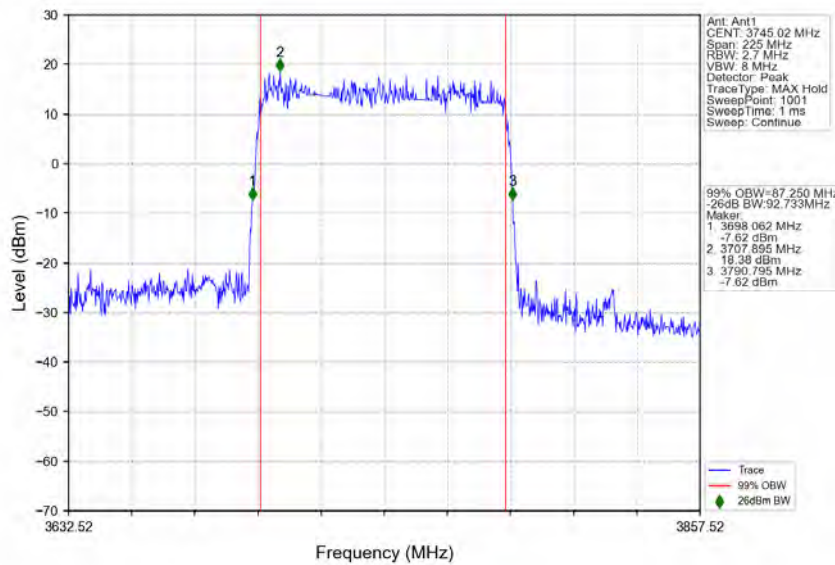
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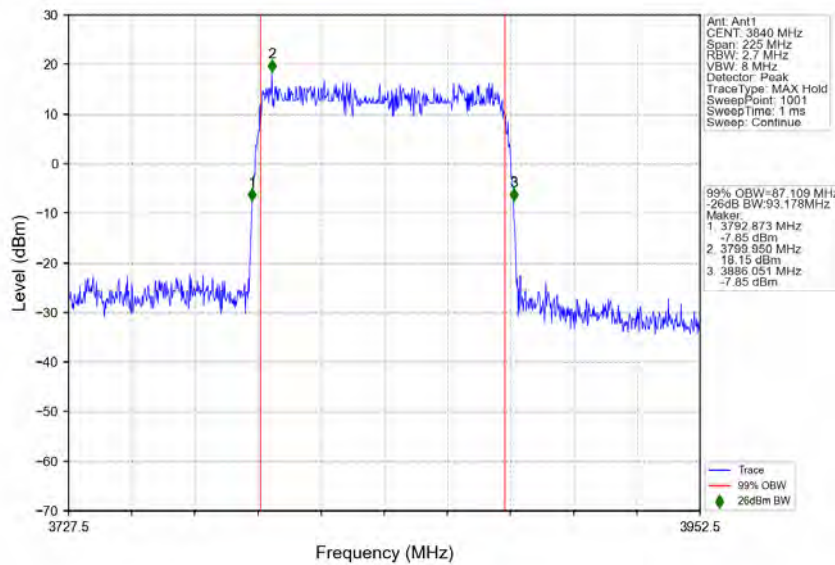
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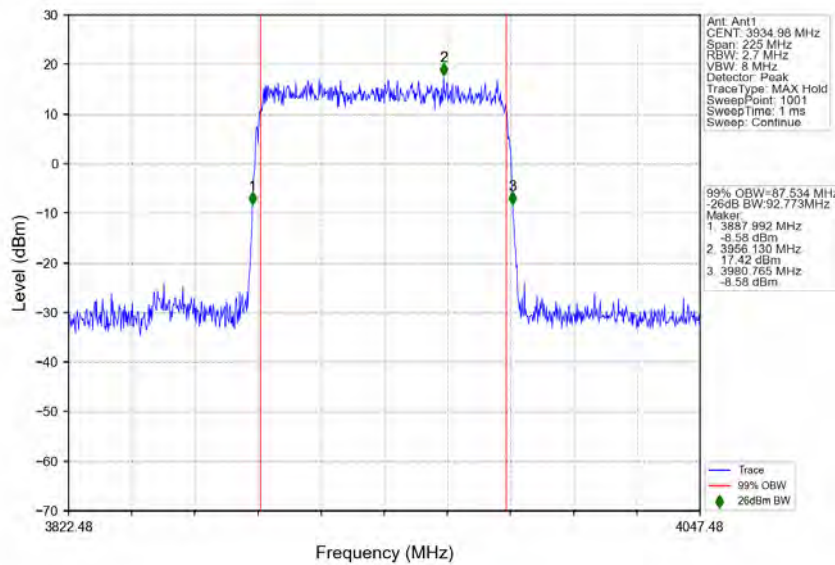
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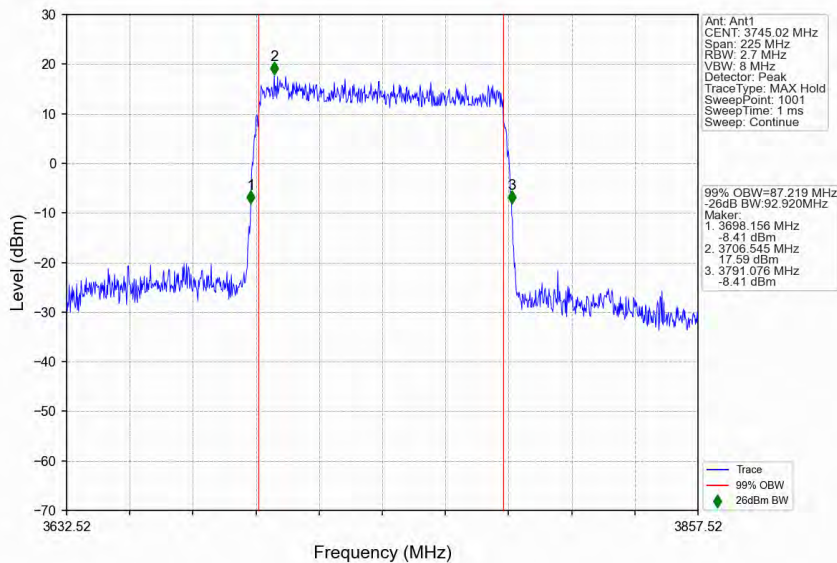
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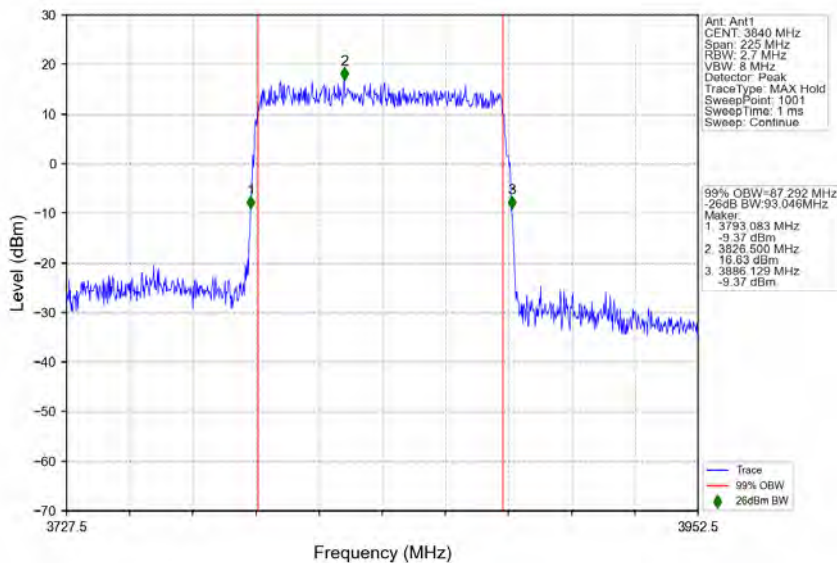
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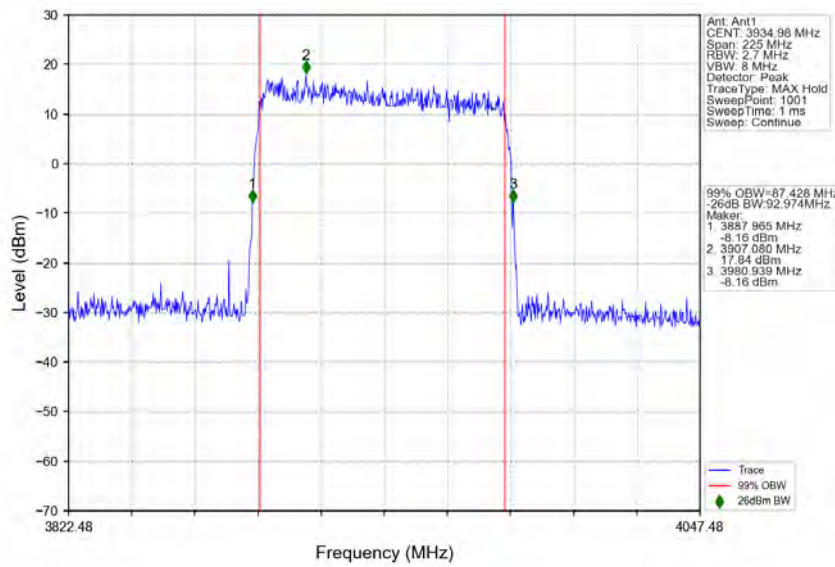
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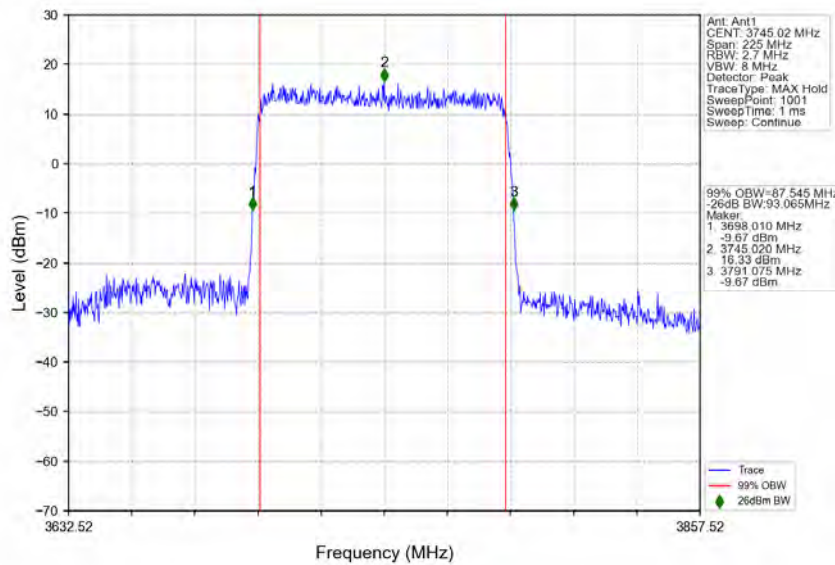
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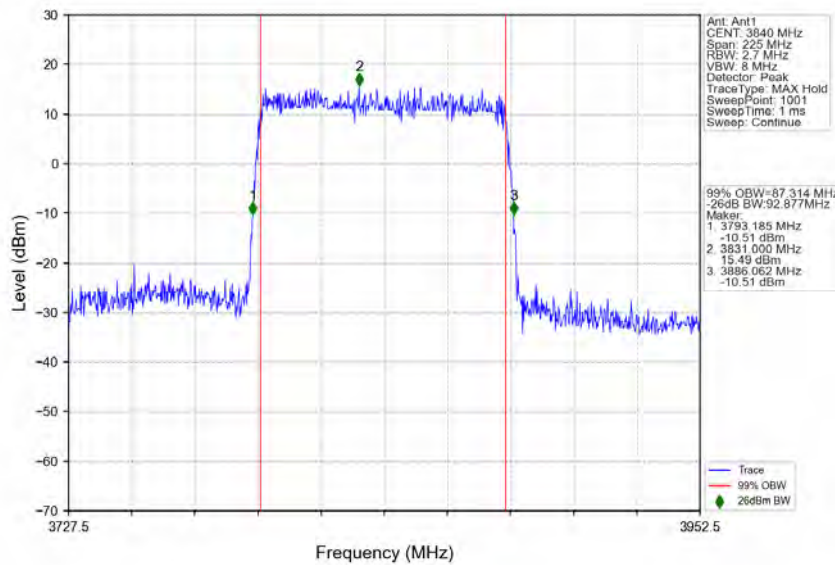
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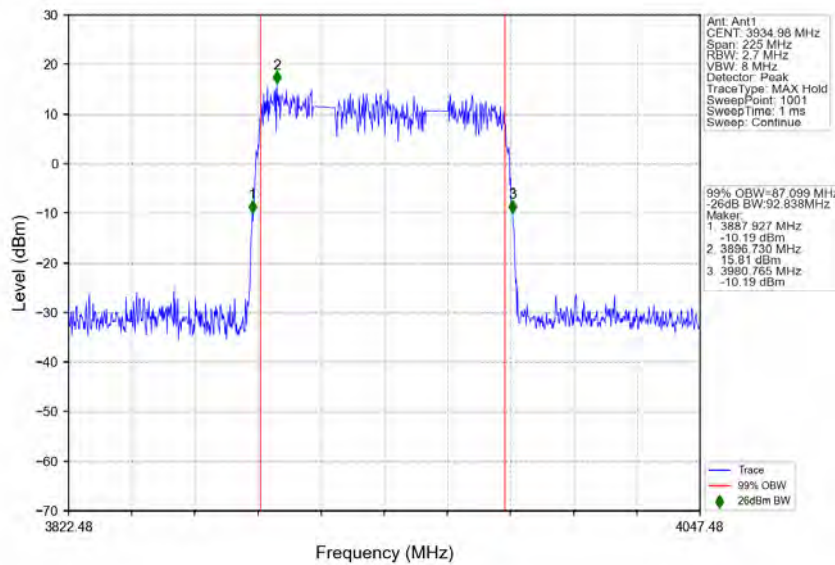
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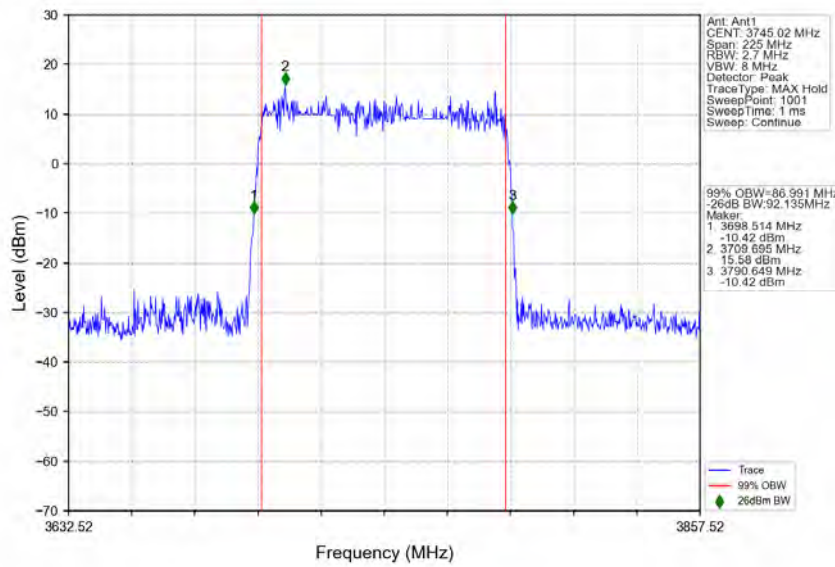
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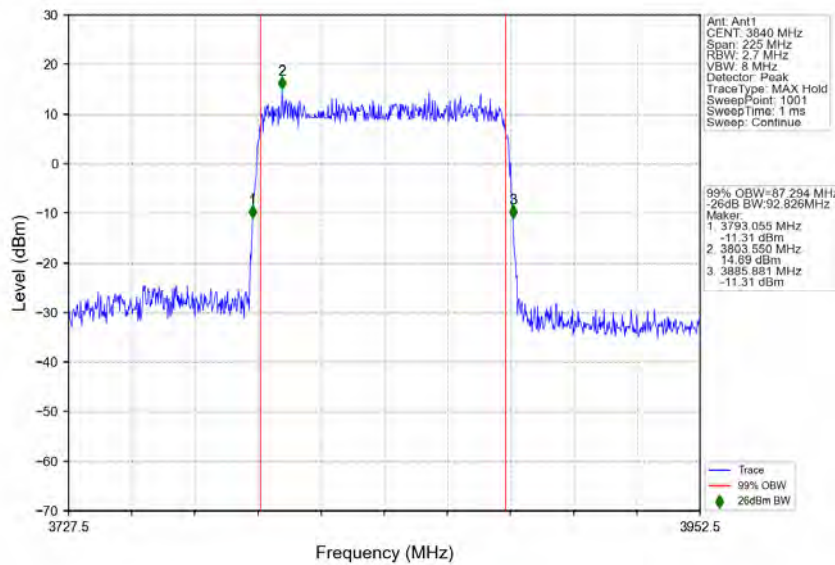
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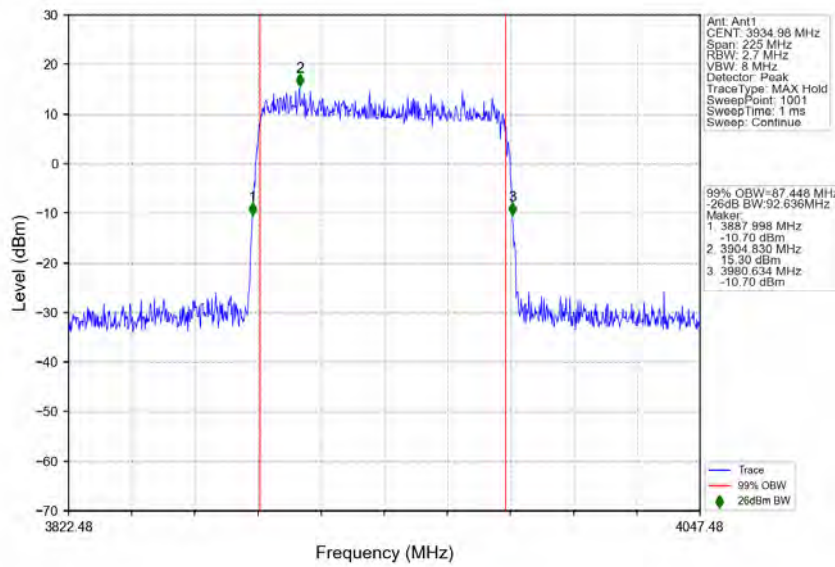
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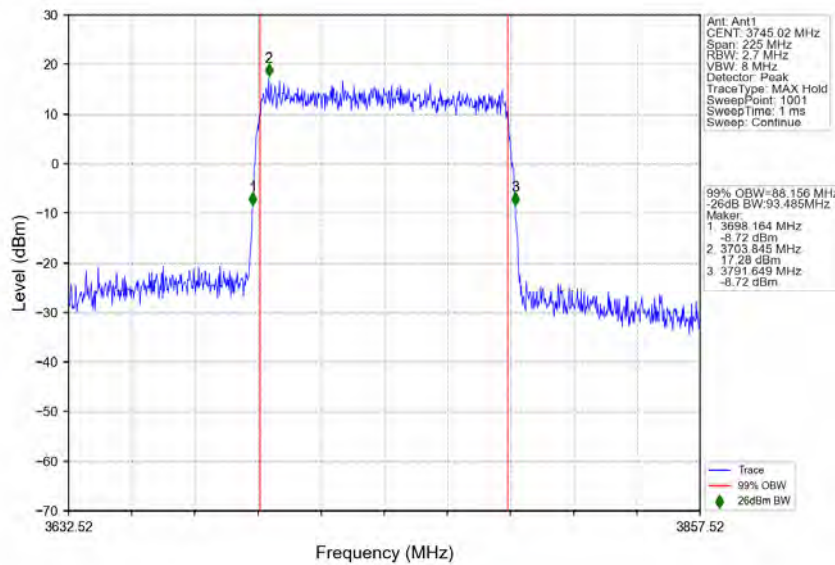
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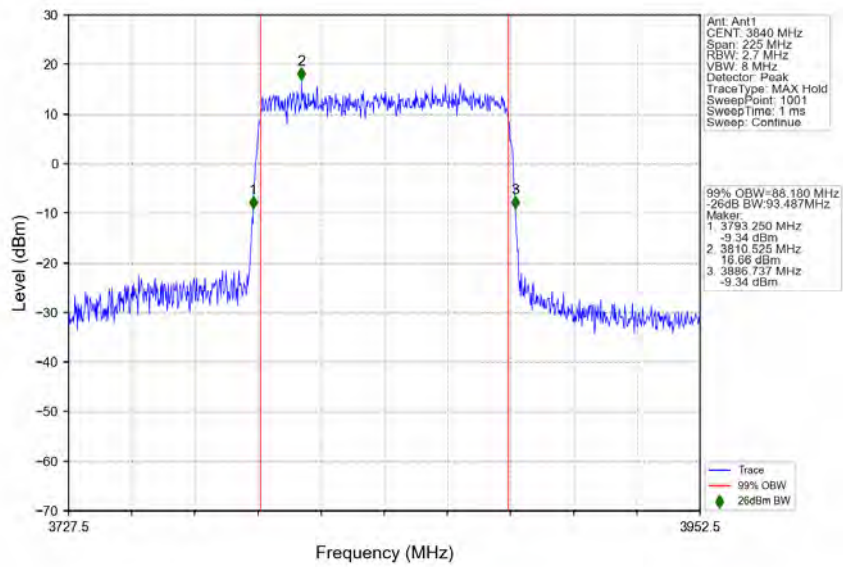
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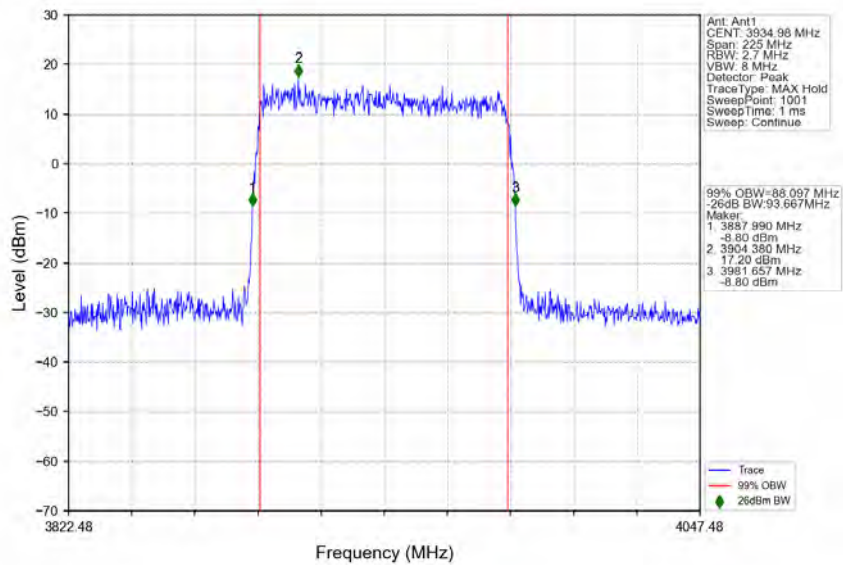
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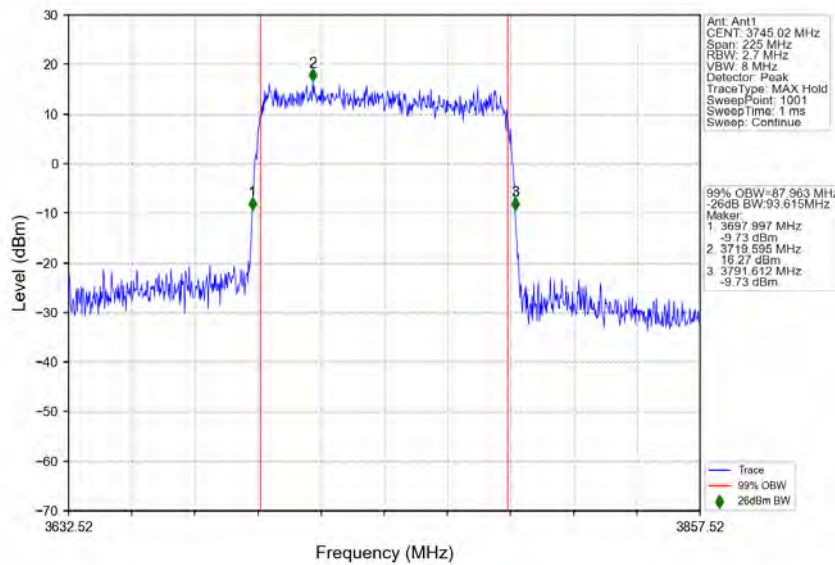
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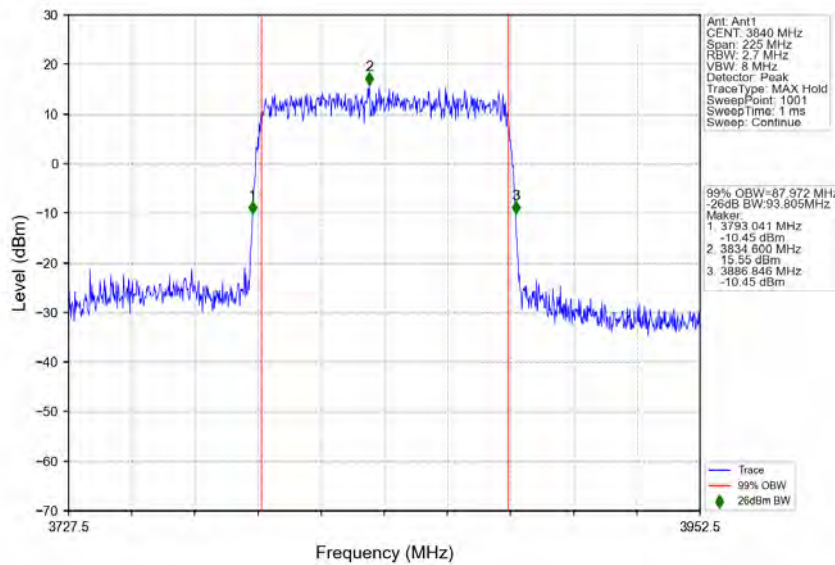
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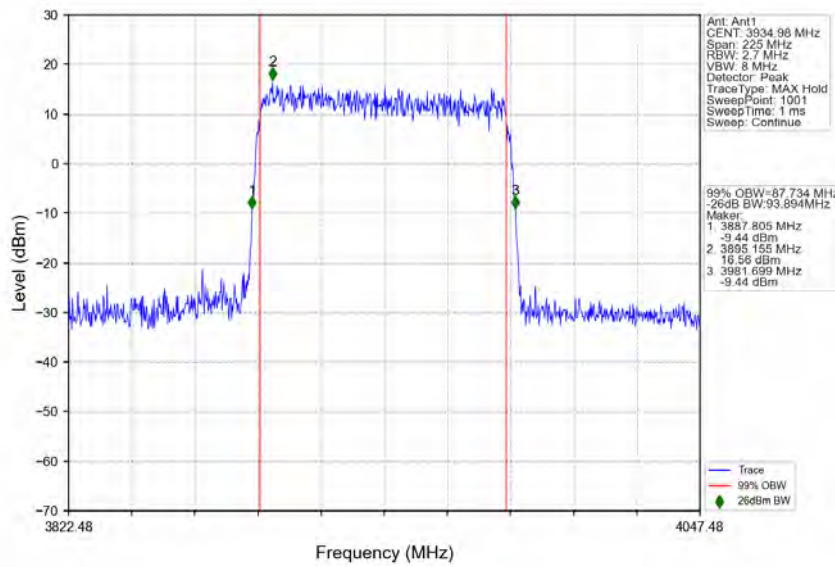
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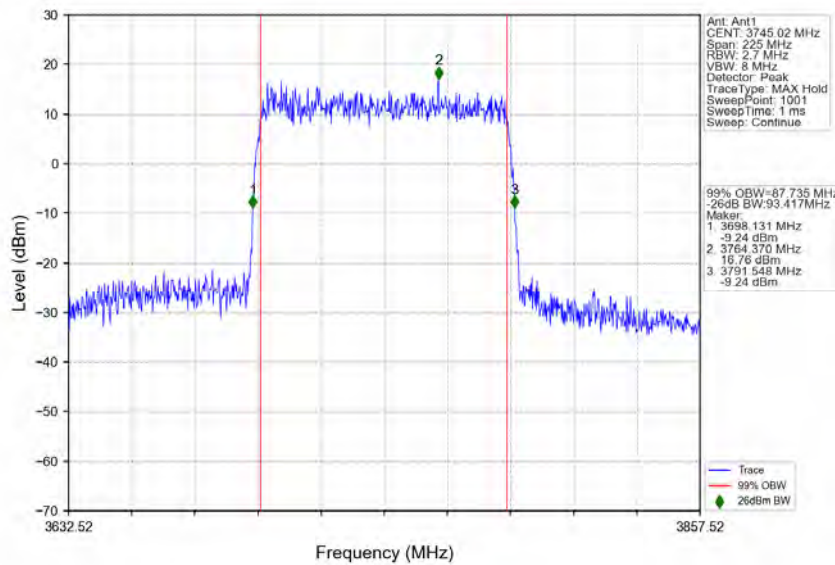
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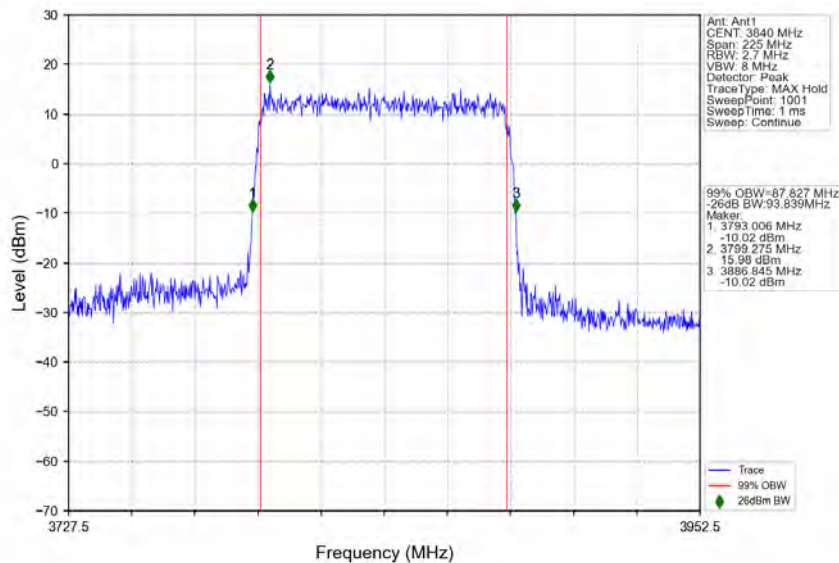
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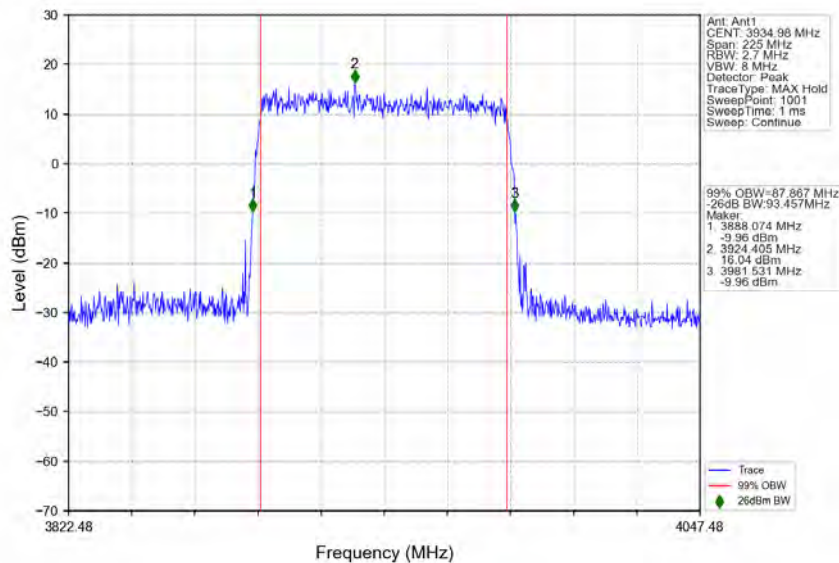
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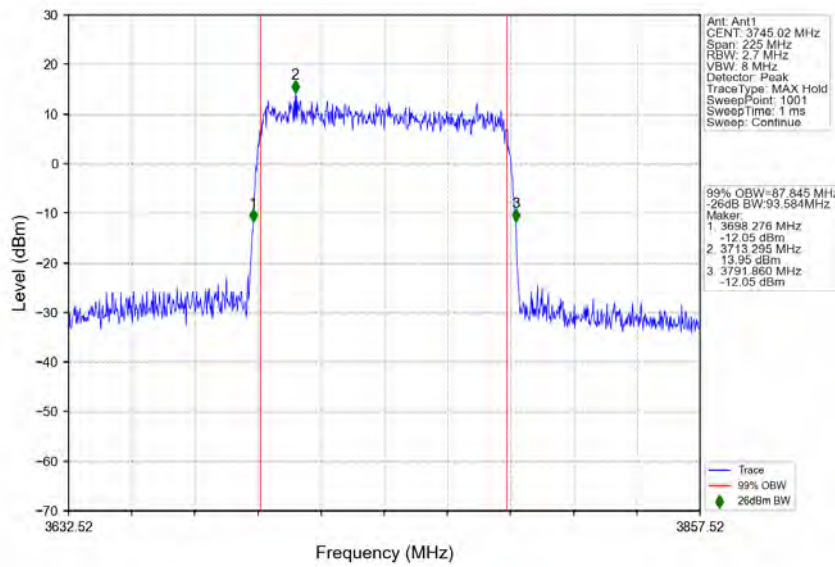
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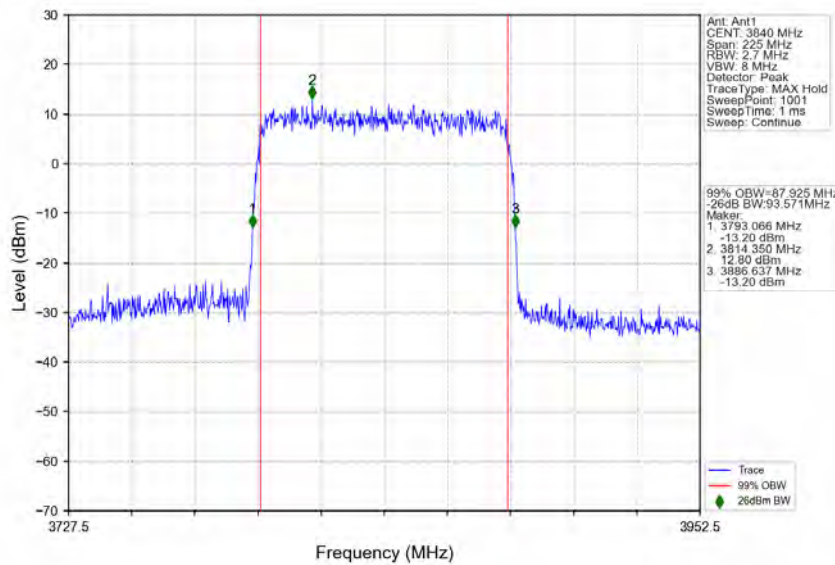
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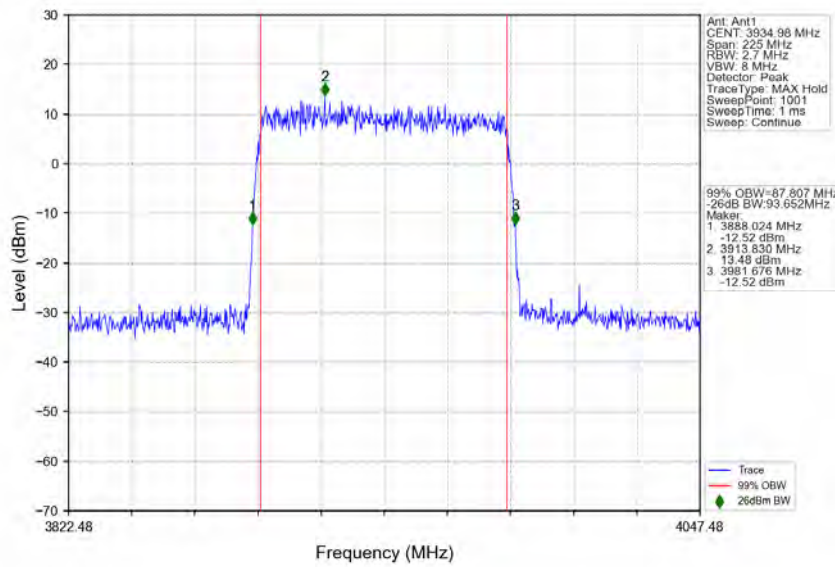
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n77a_30kHz_SISO_NTNV_90MHz_CP-OFDM 256 QAM_3840MHz_Outer_Full

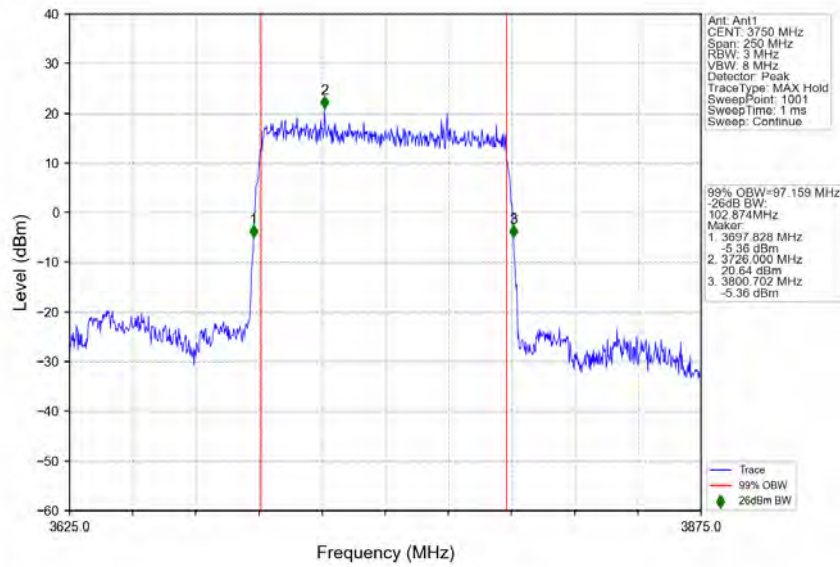


n77a_30kHz_SISO_NTNV_90MHz_CP-OFDM 256 QAM_3934.98MHz_Outer_Full

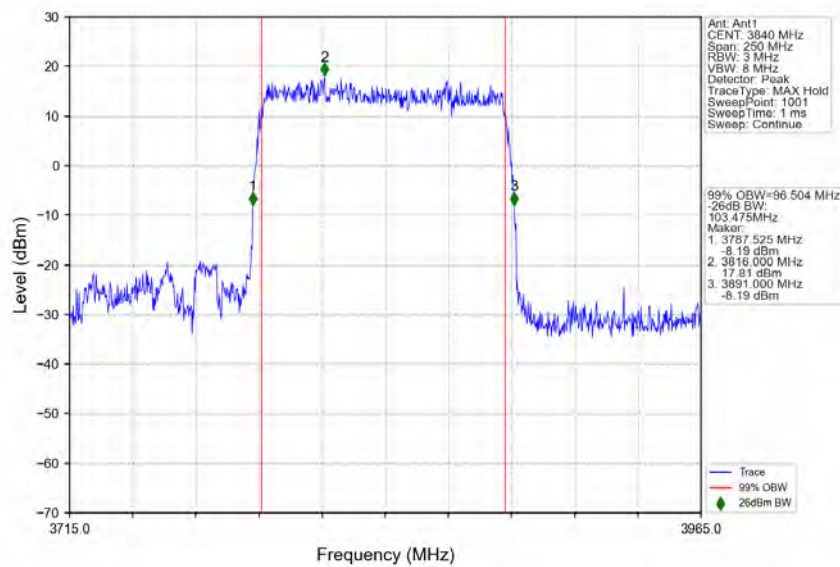


3.2.9 30k_SISO_100MHz_NTNV

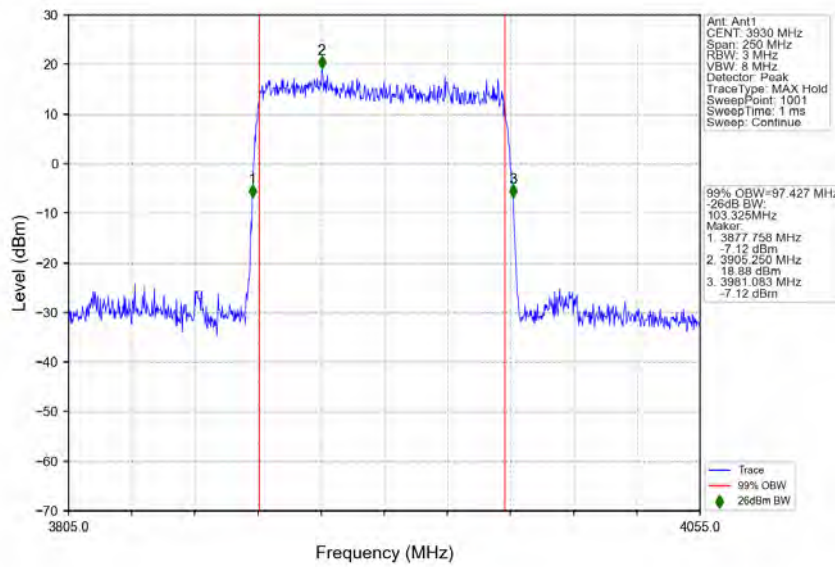
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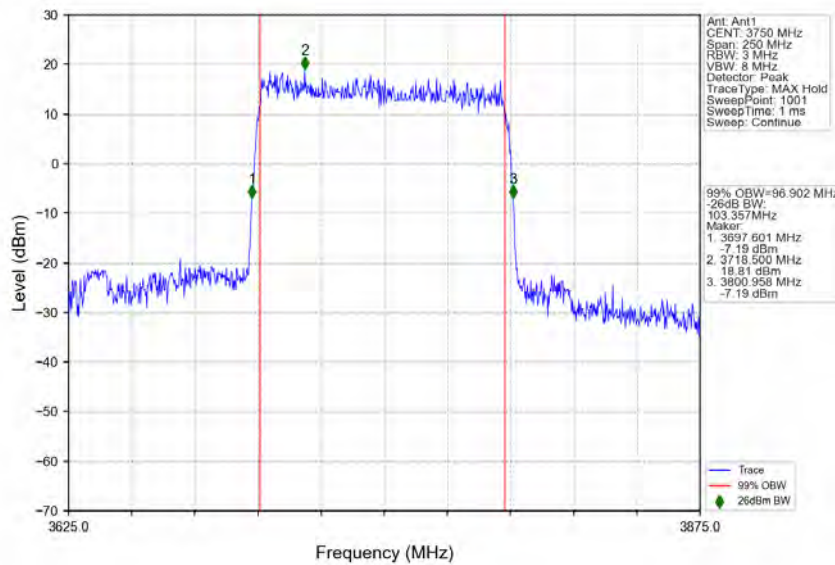
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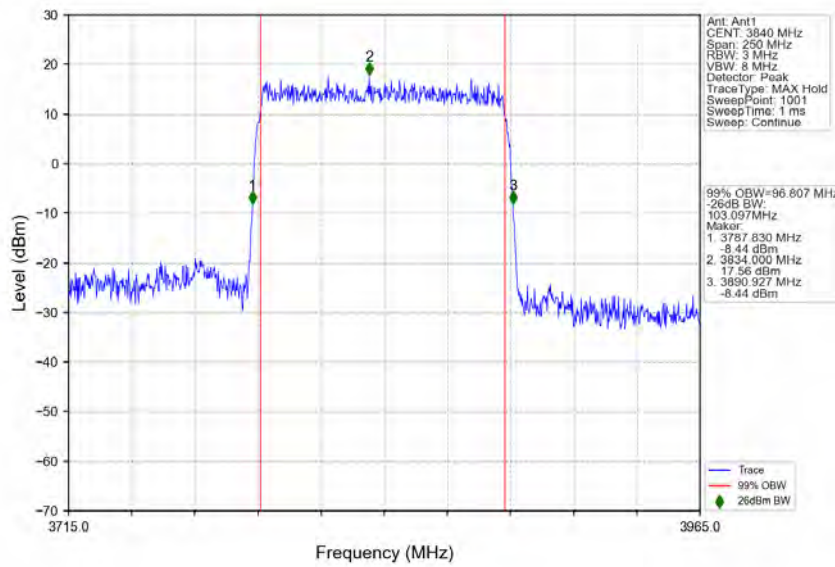
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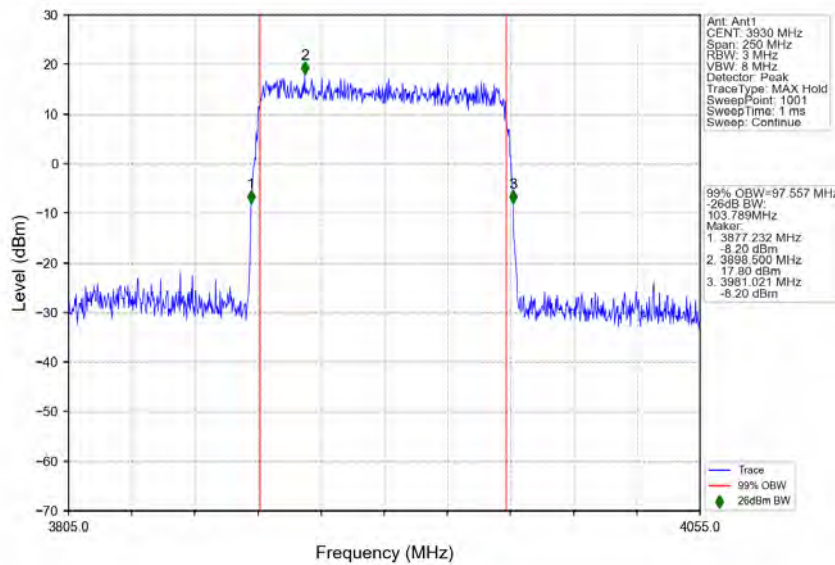
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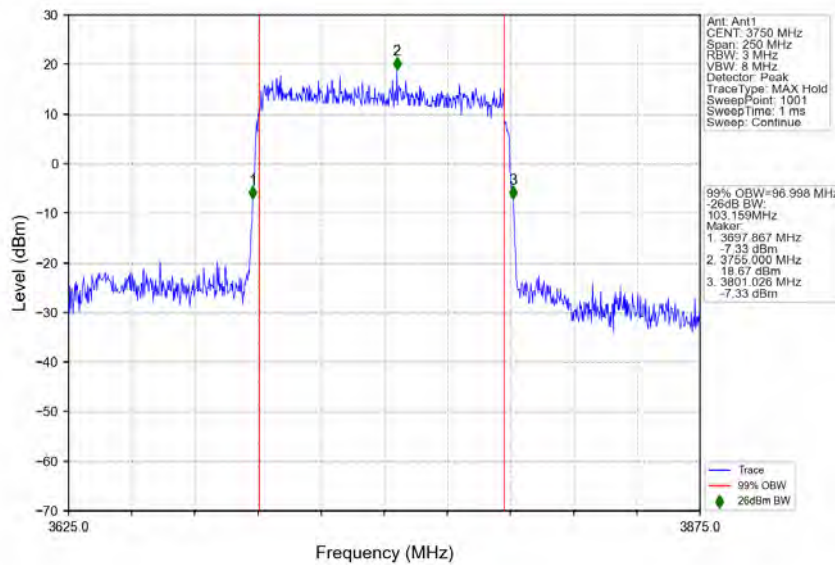
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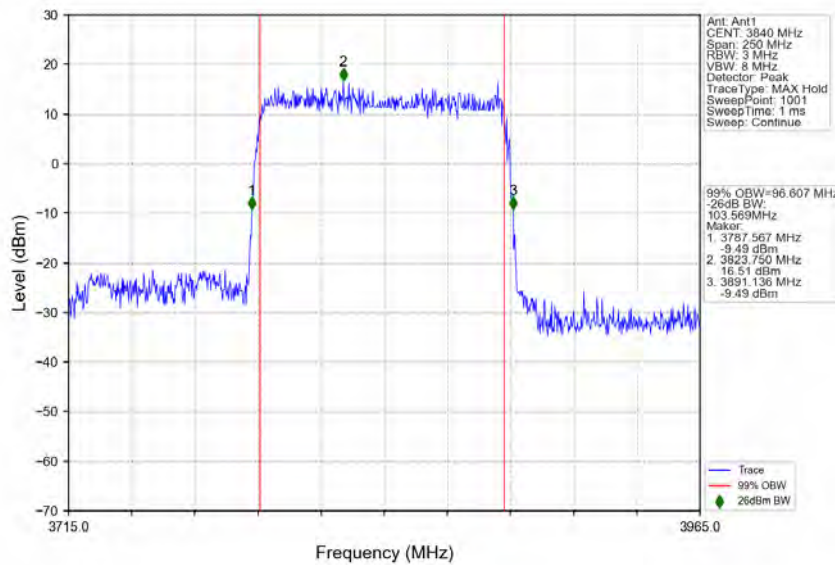
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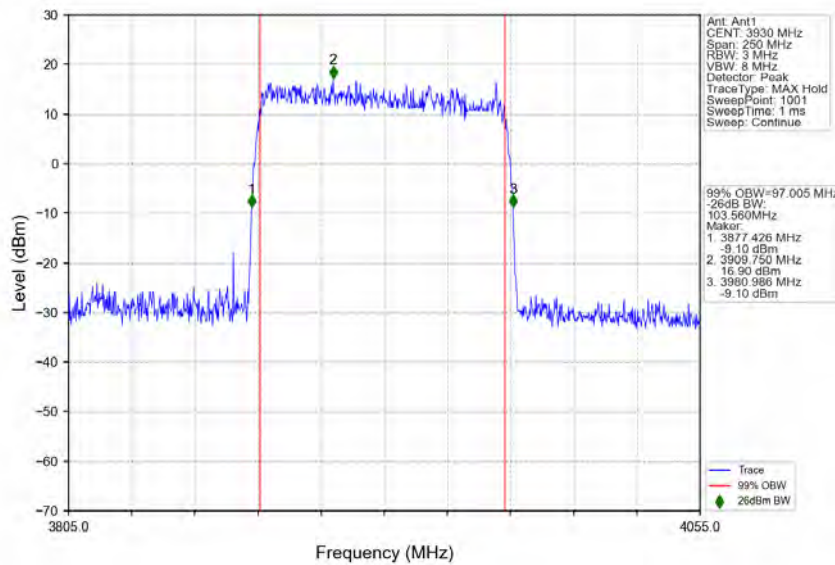
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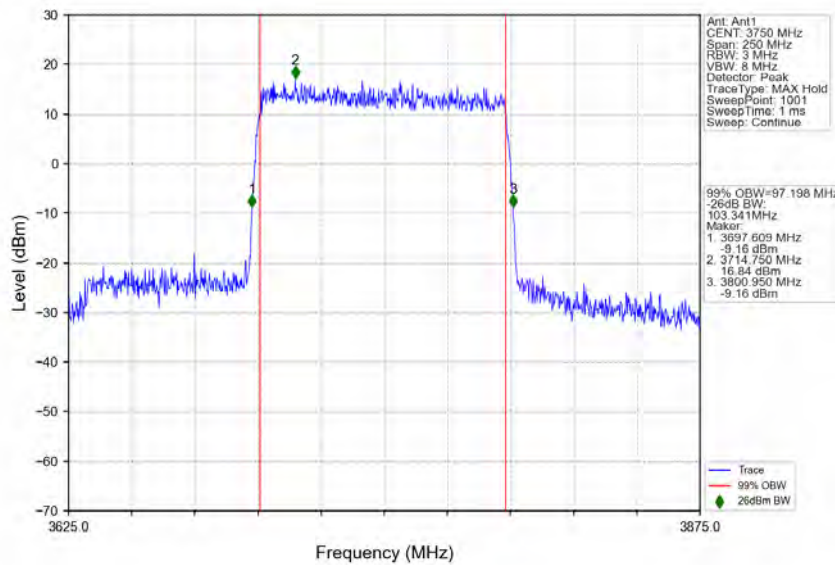
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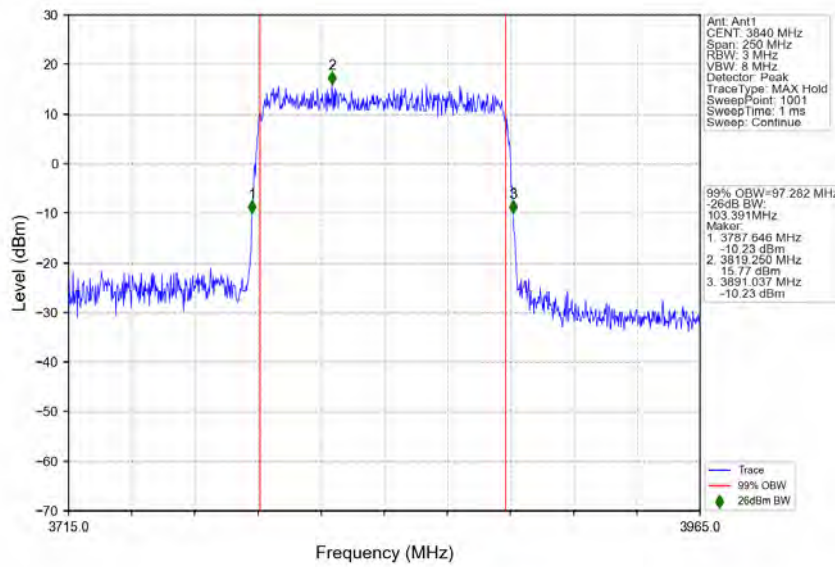
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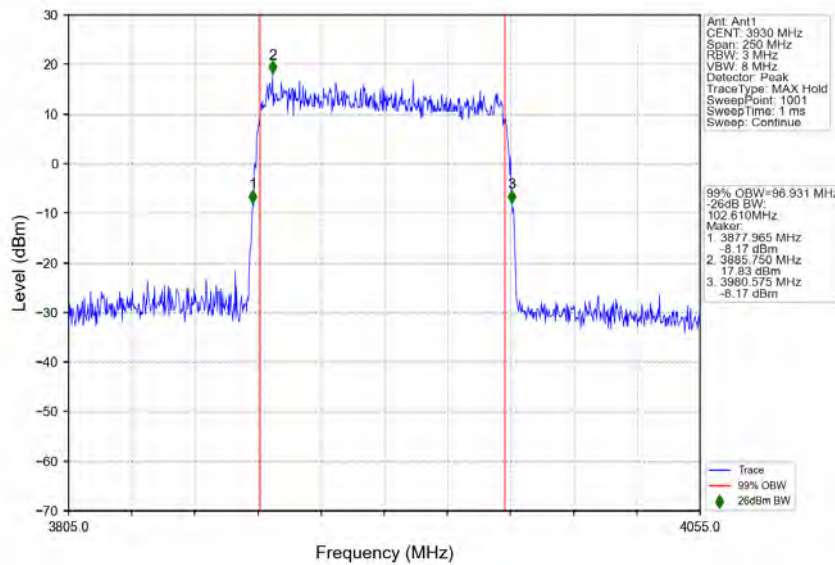
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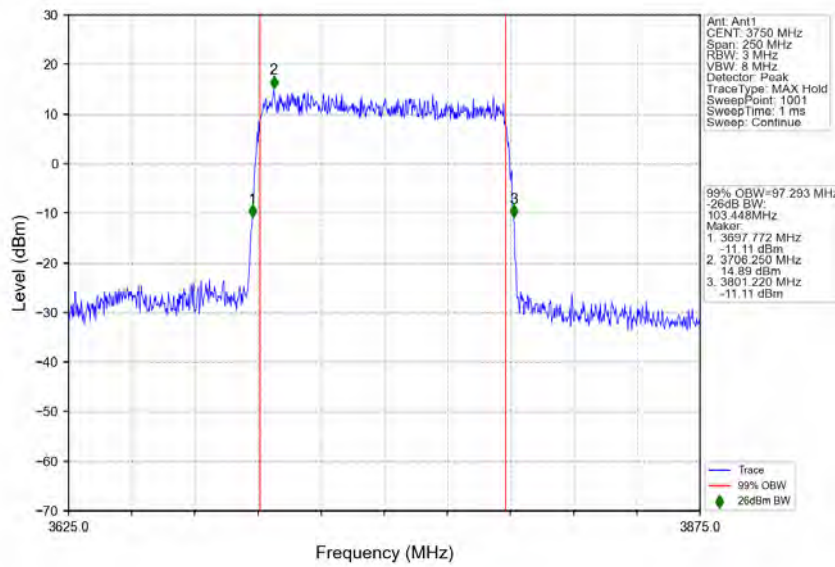
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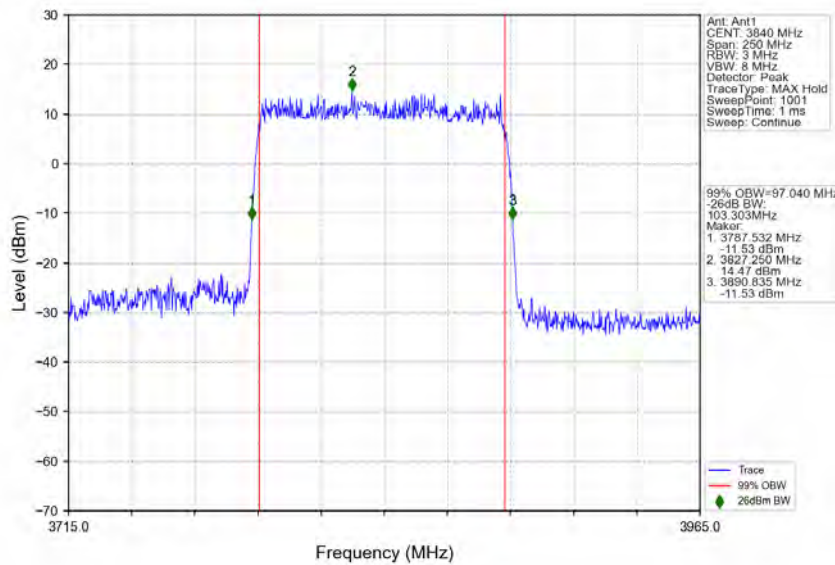
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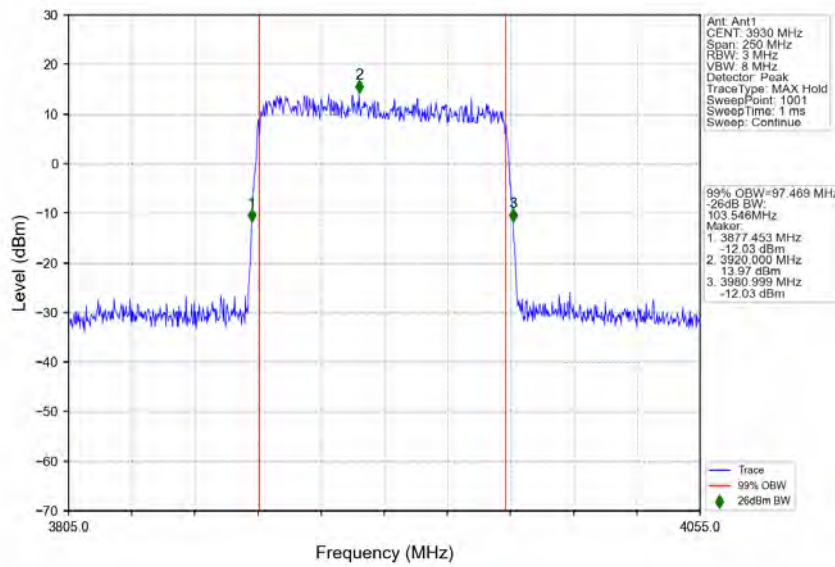
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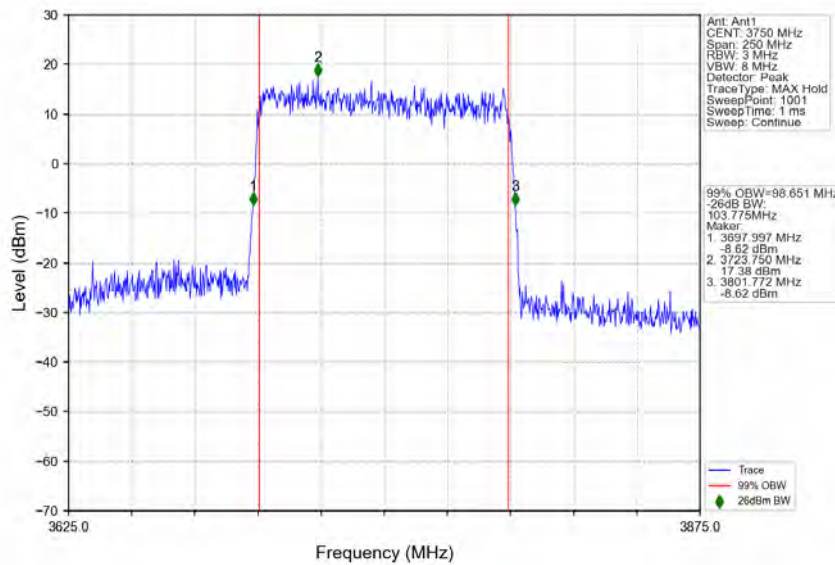
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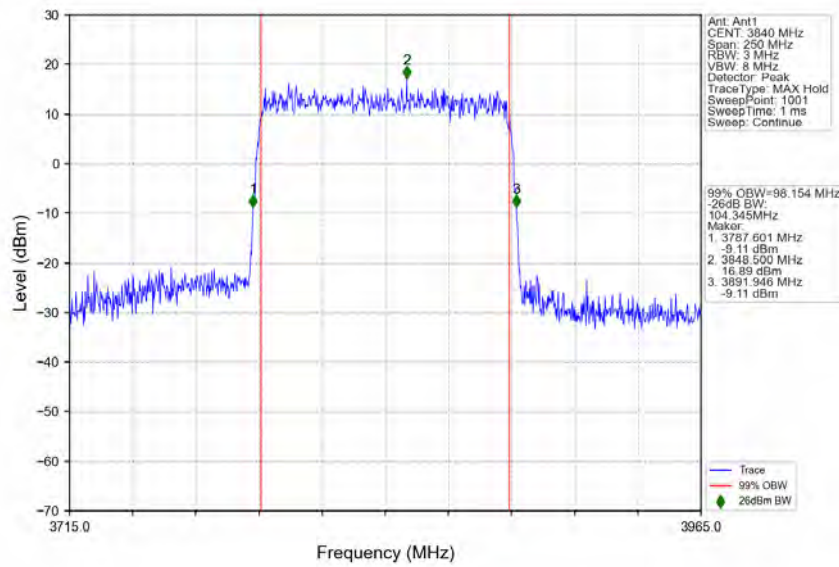
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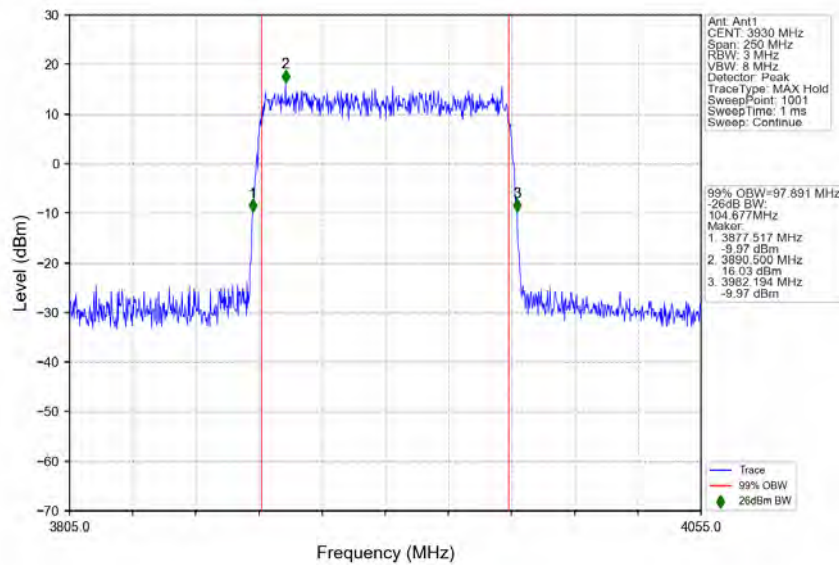
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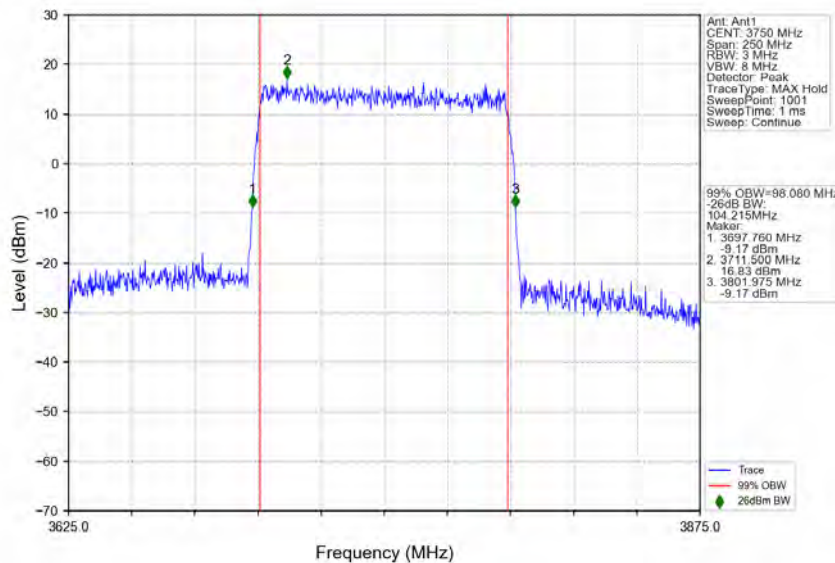
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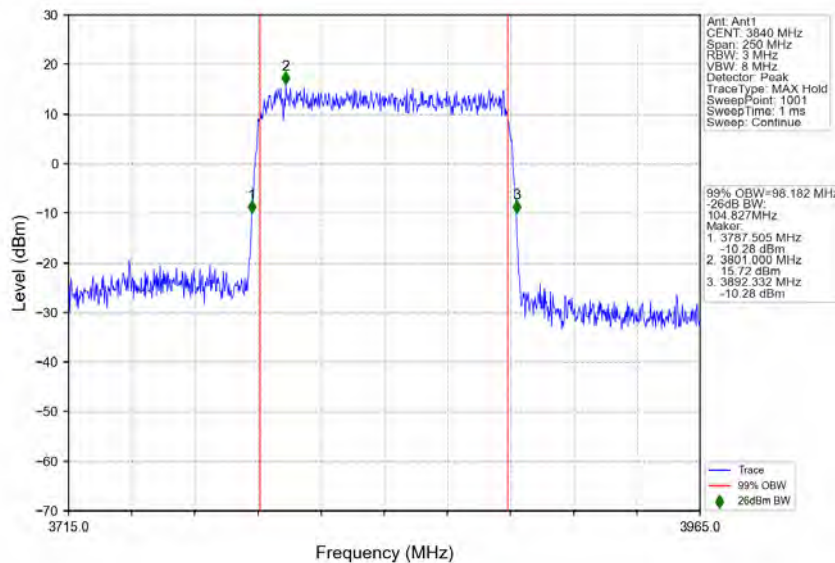
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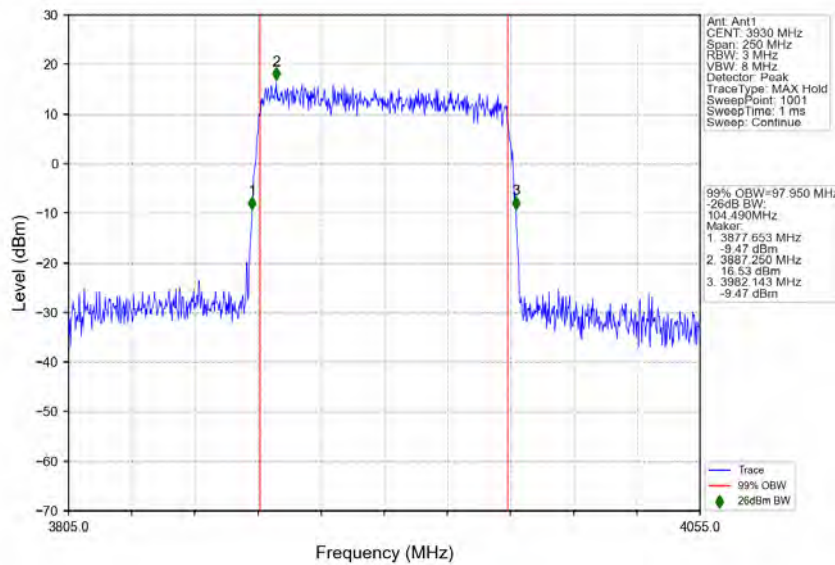
n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM_16 QAM_3750MHz_Outer_Full



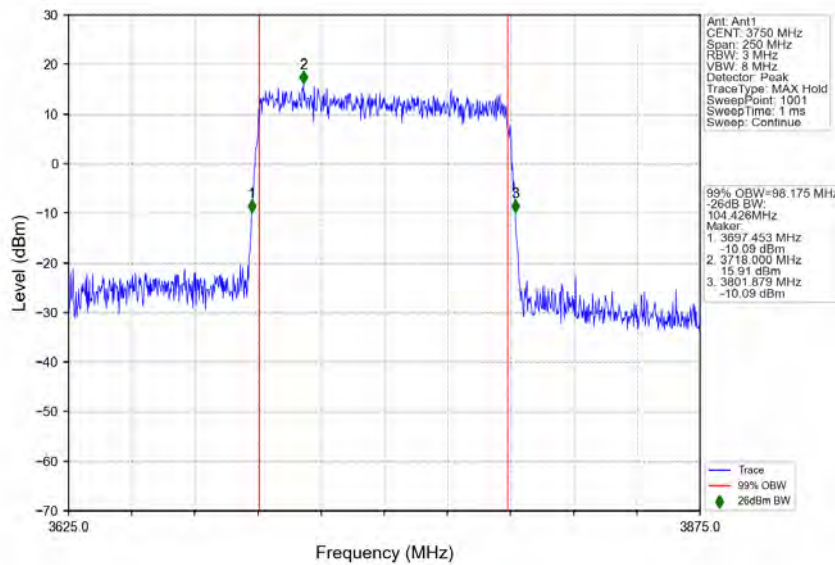
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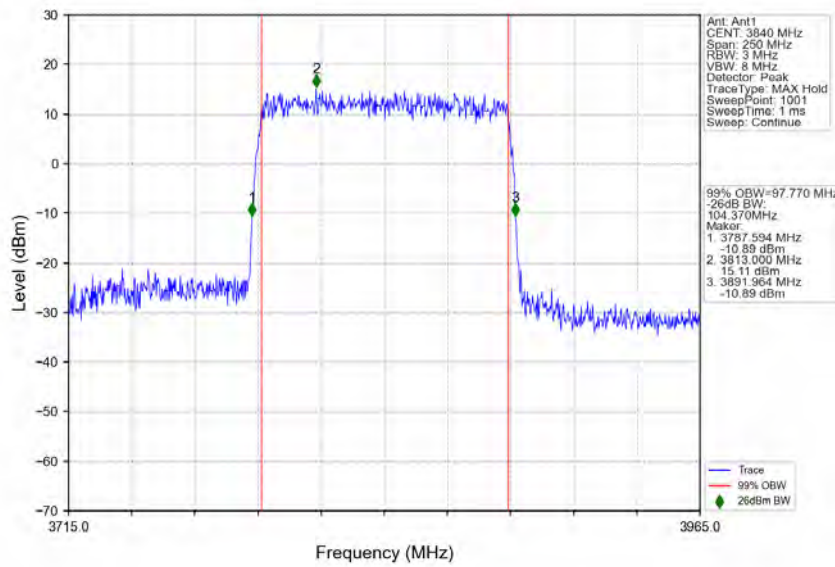
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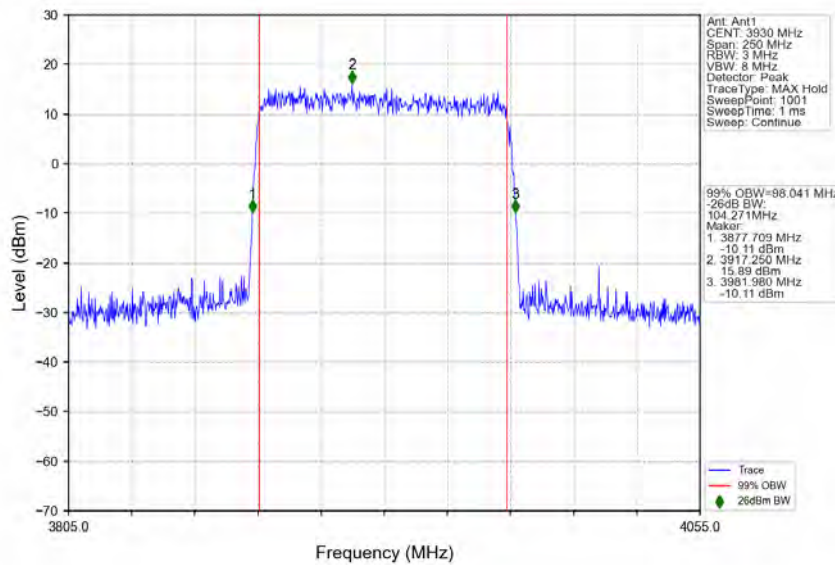
n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM_3750MHz_Outer_Full



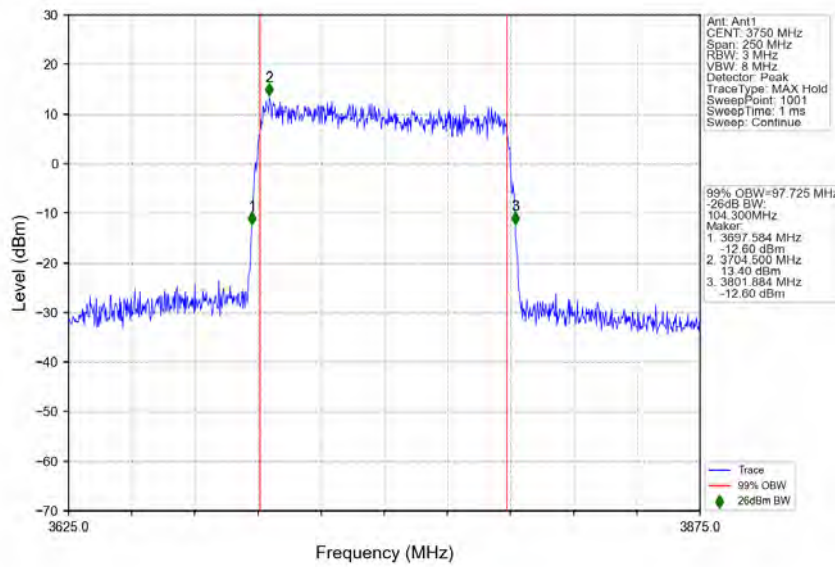
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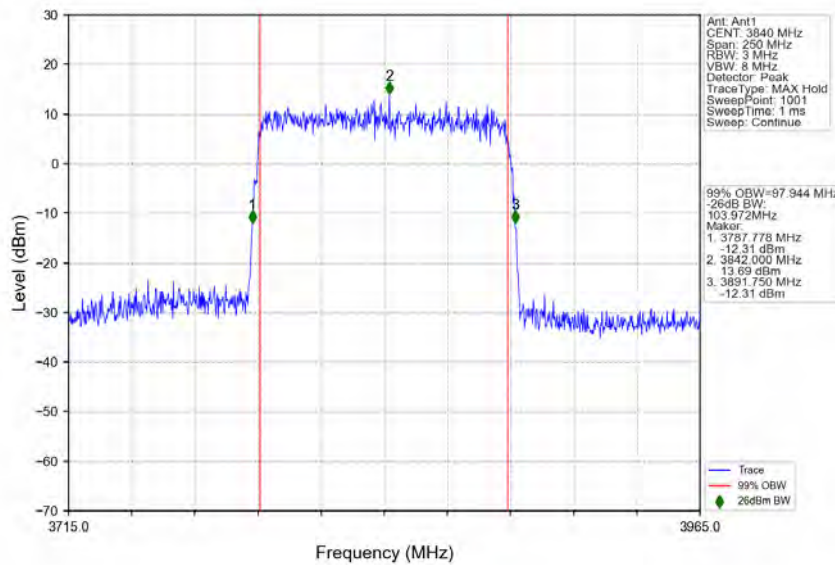
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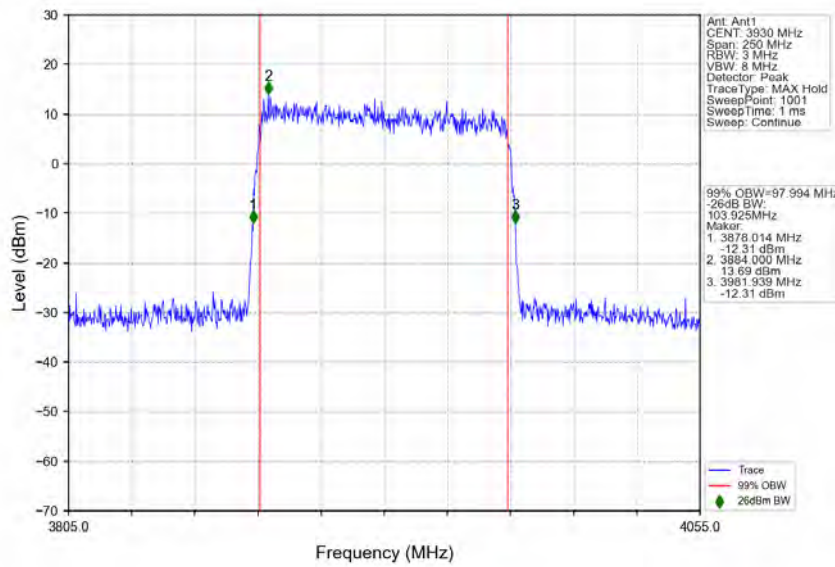
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n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM 256 QAM_3930MHz_Outer_Full



4. Peak-Average Ratio

4.1 Test Result

4.1.1 30k_SISO_20MHz_NTNV

5G NR n77a 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	10.85	/	/	<=13	Pass
	3840	Outer_Full	10.54	/	/	<=13	Pass
	3969.99	Outer_Full	11.31	/	/	<=13	Pass
DFT-s-OFDM QPSK	3710.01	Outer_Full	11.49	/	/	<=13	Pass
	3840	Outer_Full	11.24	/	/	<=13	Pass
	3969.99	Outer_Full	11.59	/	/	<=13	Pass

4.1.2 30k_SISO_30MHz_NTNV

5G NR n77a 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	10.40	/	/	<=13	Pass
	3840	Outer_Full	11.88	/	/	<=13	Pass
	3964.98	Outer_Full	10.01	/	/	<=13	Pass
DFT-s-OFDM QPSK	3715.02	Outer_Full	11.70	/	/	<=13	Pass
	3840	Outer_Full	10.87	/	/	<=13	Pass
	3964.98	Outer_Full	11.88	/	/	<=13	Pass

4.1.3 30k_SISO_40MHz_NTNV

5G NR n77a 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	10.78	/	/	<=13	Pass
	3840	Outer_Full	10.99	/	/	<=13	Pass
	3960	Outer_Full	10.73	/	/	<=13	Pass
DFT-s-OFDM QPSK	3720	Outer_Full	11.91	/	/	<=13	Pass
	3840	Outer_Full	12.00	/	/	<=13	Pass
	3960	Outer_Full	12.05	/	/	<=13	Pass

4.1.4 30k_SISO_50MHz_NTNV

5G NR n77a 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	11.71	/	/	<=13	Pass
	3840	Outer_Full	11.93	/	/	<=13	Pass
	3954.99	Outer_Full	11.86	/	/	<=13	Pass
DFT-s-OFDM QPSK	3725.01	Outer_Full	12.42	/	/	<=13	Pass

	3840	Outer_Full	11.28	/	/	<=13	Pass
	3954.99	Outer_Full	12.65	/	/	<=13	Pass

4.1.5 30k_SISO_60MHz_NTNV

5G NR n77a 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	12.83	/	/	<=13	Pass
	3840	Outer_Full	12.89	/	/	<=13	Pass
	3949.98	Outer_Full	12.93	/	/	<=13	Pass
DFT-s-OFDM QPSK	3730.02	Outer_Full	12.92	/	/	<=13	Pass
	3840	Outer_Full	12.91	/	/	<=13	Pass
	3949.98	Outer_Full	12.87	/	/	<=13	Pass

4.1.6 30k_SISO_70MHz_NTNV

5G NR n77a 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	11.86	/	/	<=13	Pass
	3840	Outer_Full	12.98	/	/	<=13	Pass
	3945	Outer_Full	12.02	/	/	<=13	Pass
DFT-s-OFDM QPSK	3735	Outer_Full	12.82	/	/	<=13	Pass
	3840	Outer_Full	12.86	/	/	<=13	Pass
	3945	Outer_Full	12.85	/	/	<=13	Pass

4.1.7 30k_SISO_80MHz_NTNV

5G NR n77a 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	11.82	/	/	<=13	Pass
	3840	Outer_Full	11.87	/	/	<=13	Pass
	3939.99	Outer_Full	11.89	/	/	<=13	Pass
DFT-s-OFDM QPSK	3740.01	Outer_Full	12.83	/	/	<=13	Pass
	3840	Outer_Full	12.86	/	/	<=13	Pass
	3939.99	Outer_Full	12.89	/	/	<=13	Pass

4.1.8 30k_SISO_90MHz_NTNV

5G NR n77a 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	12.15	/	/	<=13	Pass
	3840	Outer_Full	12.12	/	/	<=13	Pass
	3934.98	Outer_Full	11.48	/	/	<=13	Pass
DFT-s-OFDM QPSK	3745.02	Outer_Full	12.89	/	/	<=13	Pass
	3840	Outer_Full	12.92	/	/	<=13	Pass
	3934.98	Outer_Full	12.95	/	/	<=13	Pass

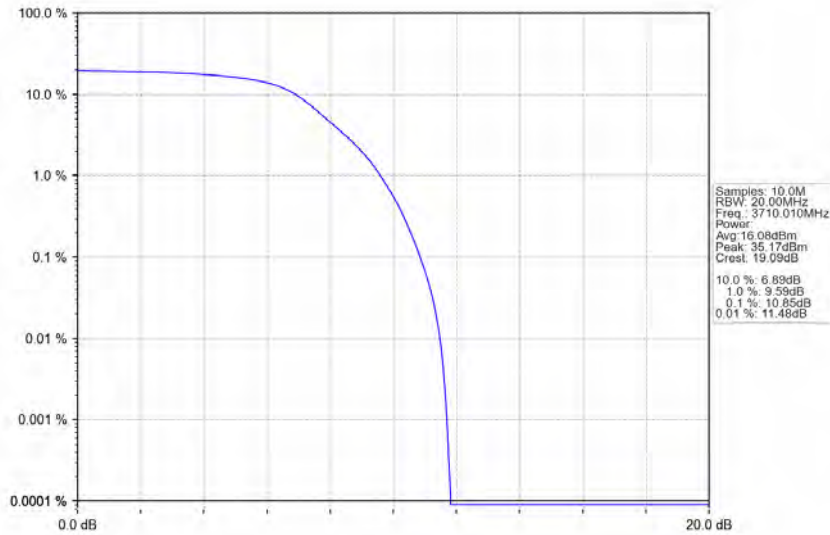
4.1.9 30k_SISO_100MHz_NTNV

5G NR n77a SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)			Limit	Verdict
			Ant1	Ant2	Sum		
DFT-s-OFDM PI/2 BPSK	3750	Outer_Full	12.13	/	/	<=13	Pass
	3840	Outer_Full	12.28	/	/	<=13	Pass
	3930	Outer_Full	12.61	/	/	<=13	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	12.97	/	/	<=13	Pass
	3840	Outer_Full	12.79	/	/	<=13	Pass
	3930	Outer_Full	12.86	/	/	<=13	Pass

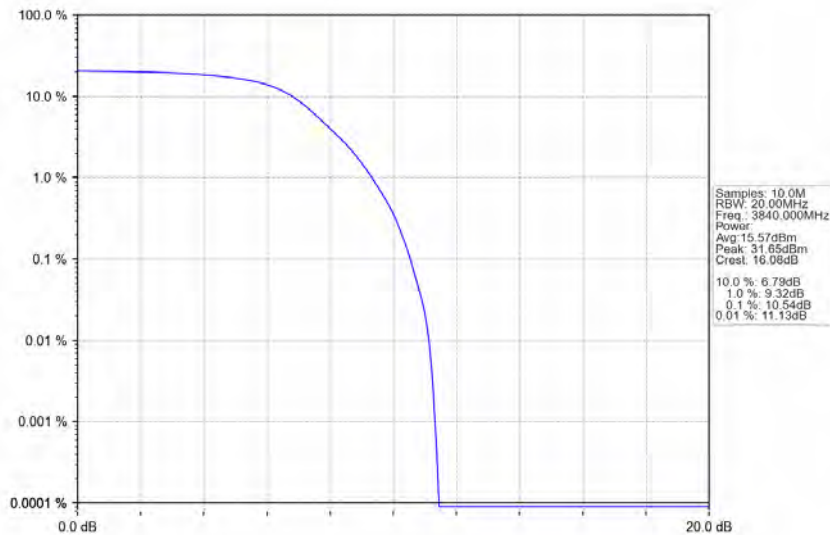
4.2 Test Graph

4.2.1 30k_SISO_20MHz_NTNV

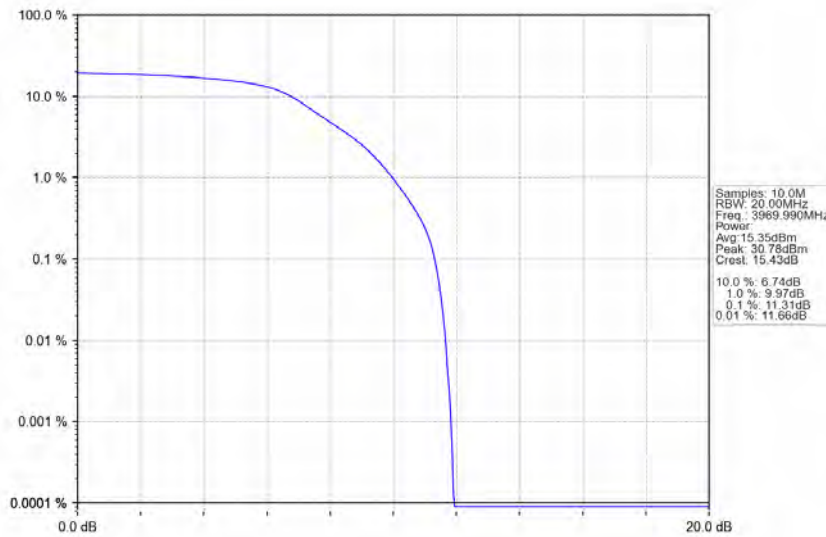
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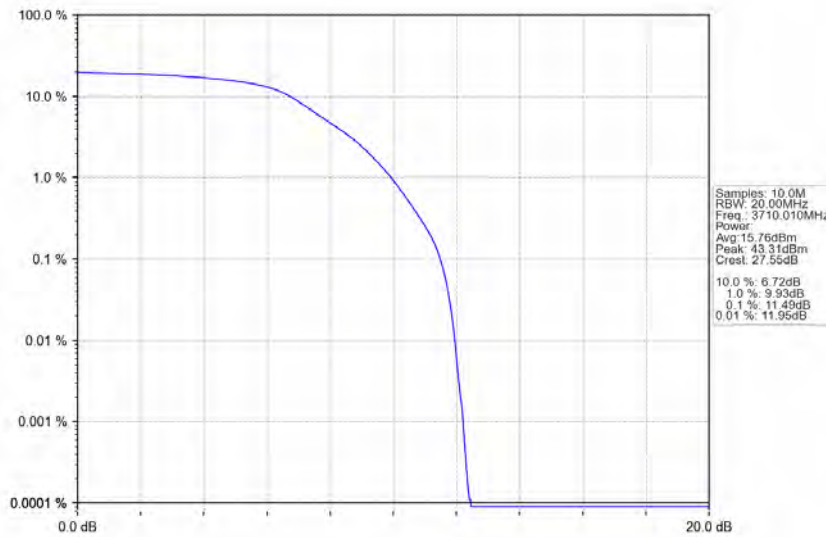
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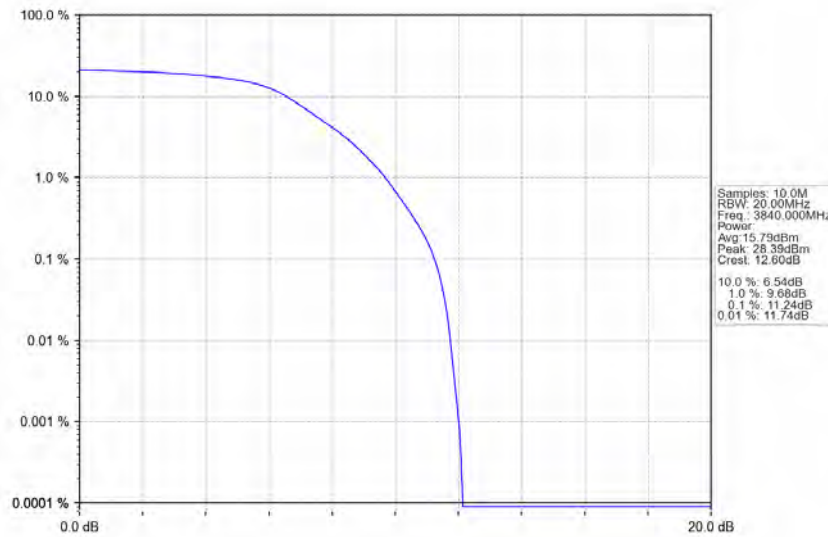
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3969.99MHz_Outer_Full



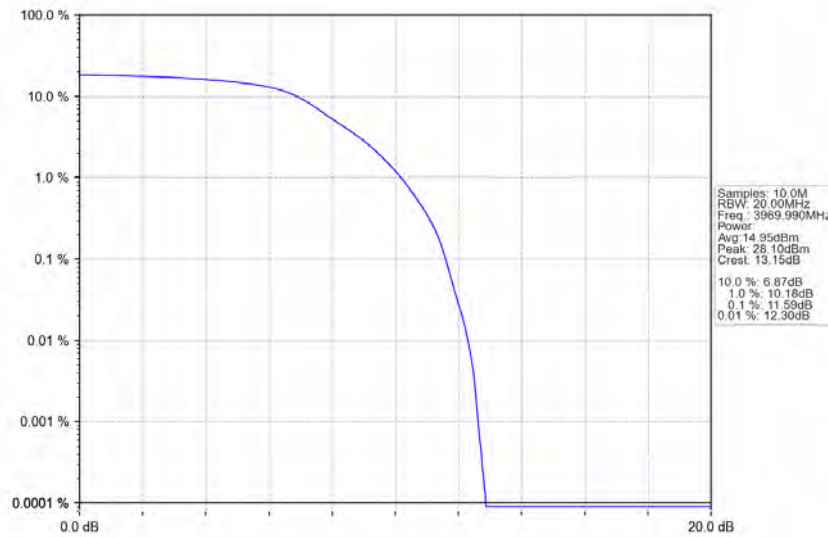
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3710.01MHz_Outer_Full



n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3840MHz_Outer_Full

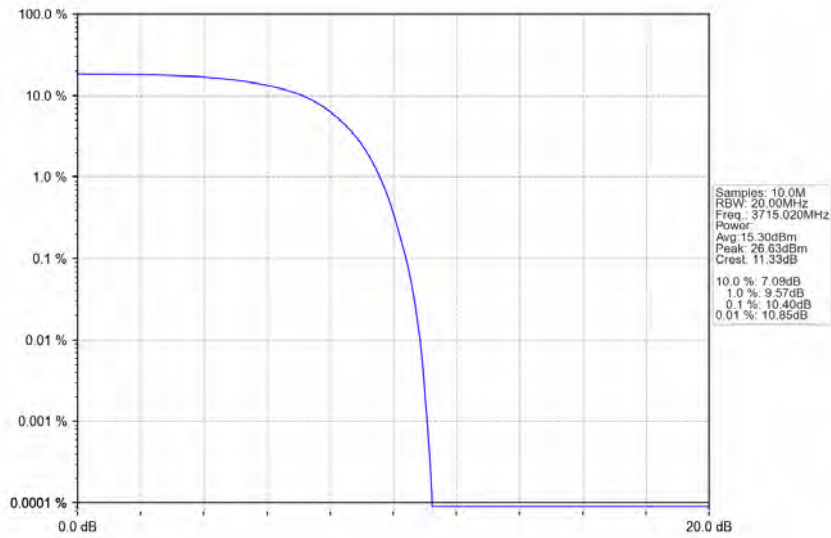


n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3969.99MHz_Outer_Full

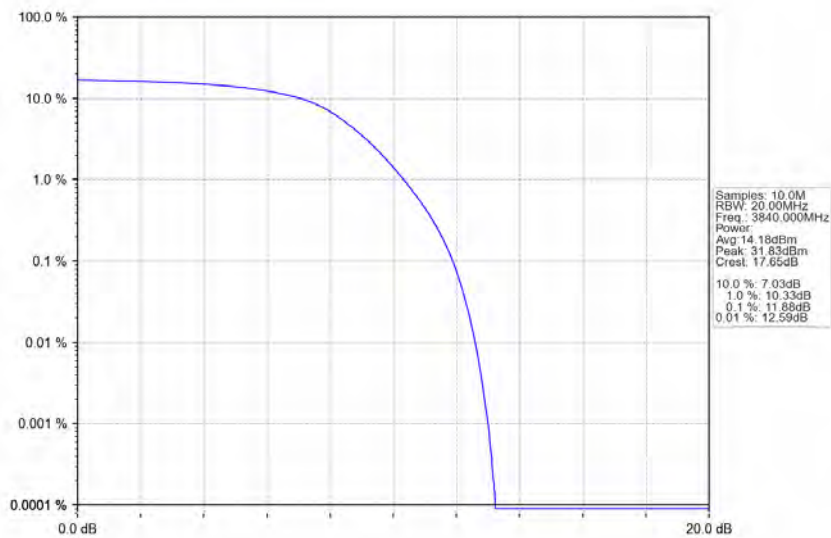


4.2.2 30k_SISO_30MHz_NTNV

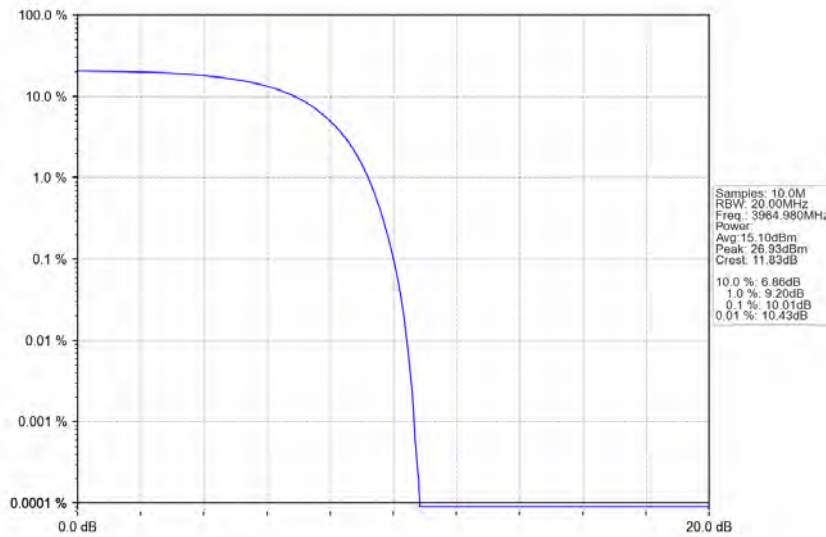
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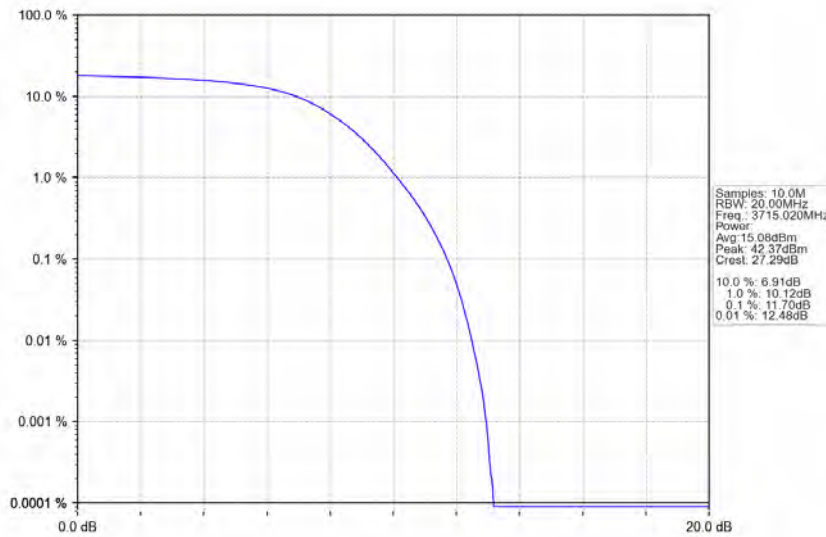
n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Outer_Full



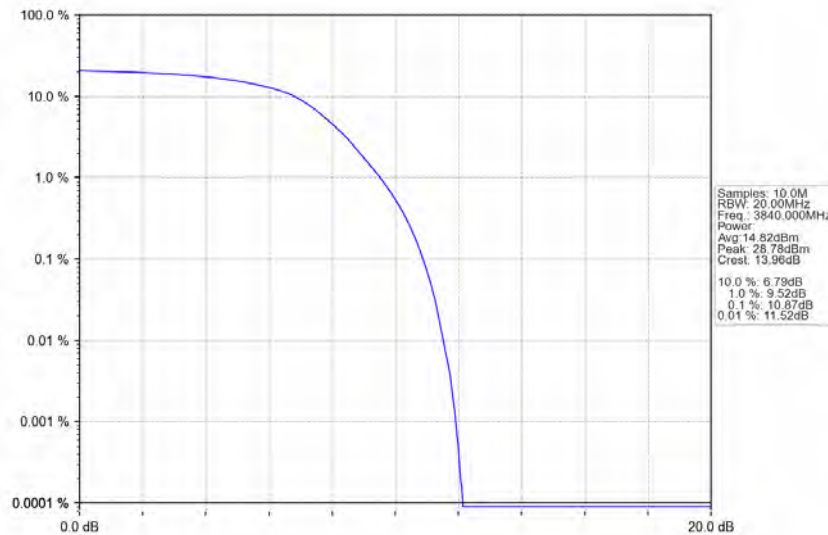
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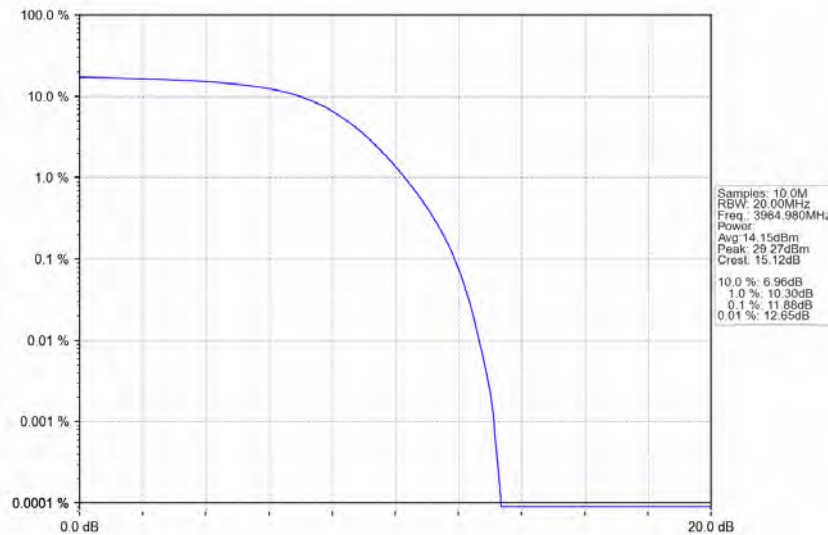
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n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3840MHz_Outer_Full

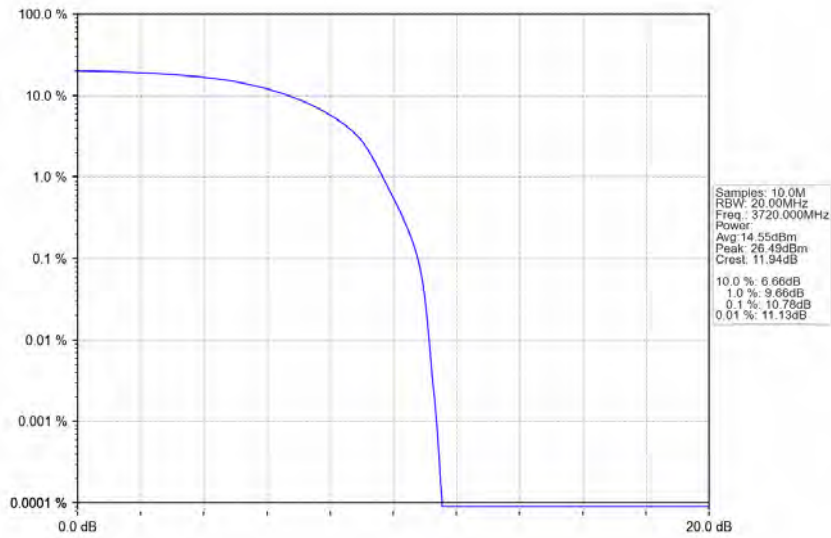


n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3964.98MHz_Outer_Full

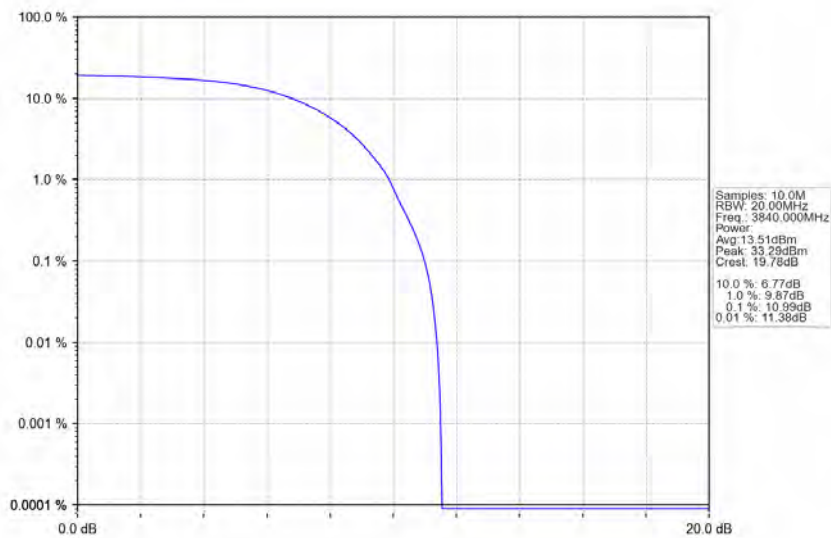


4.2.3 30k_SISO_40MHz_NTNV

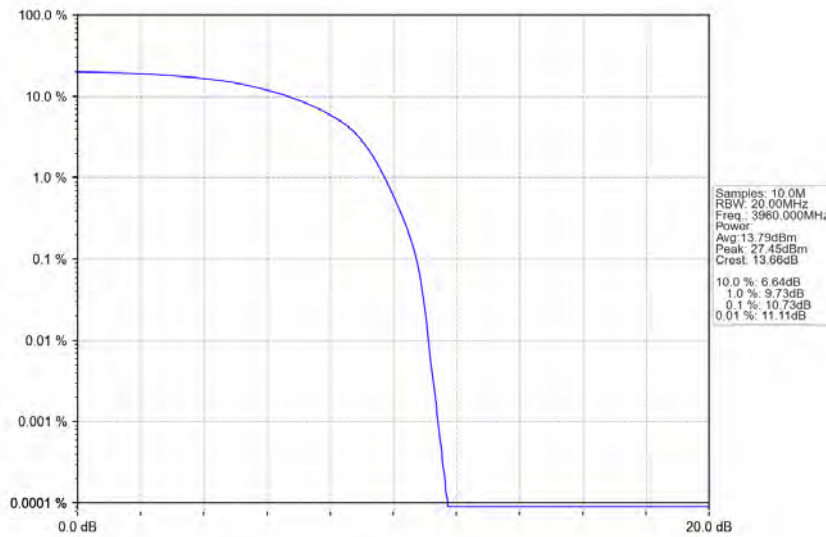
n77a_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3720MHz_Outer_Full



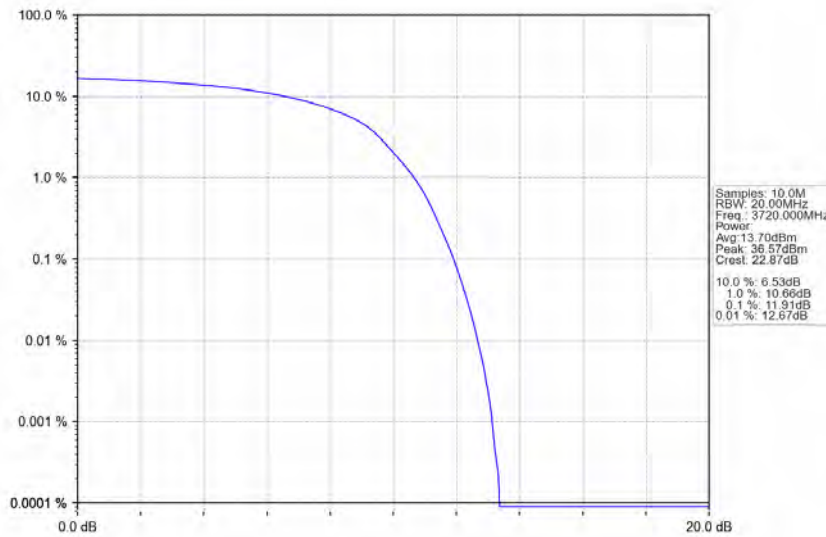
n77a_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Outer_Full



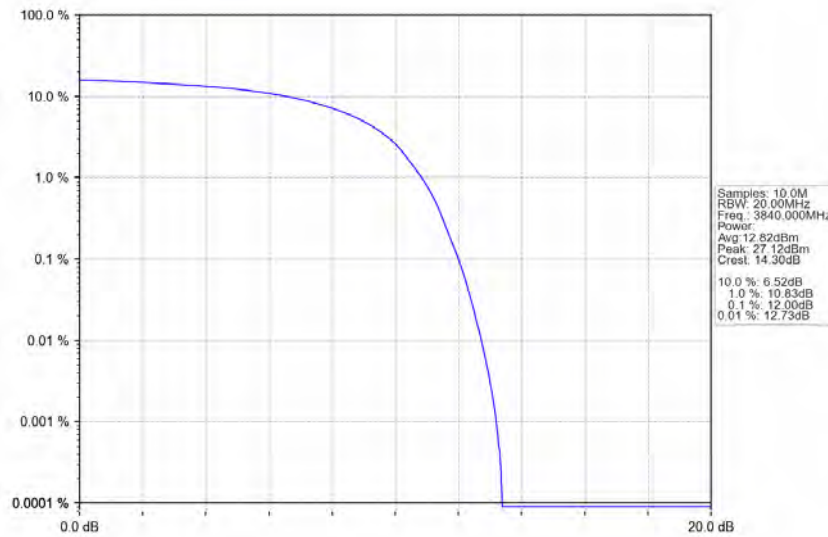
n77a_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3960MHz_Outer_Full



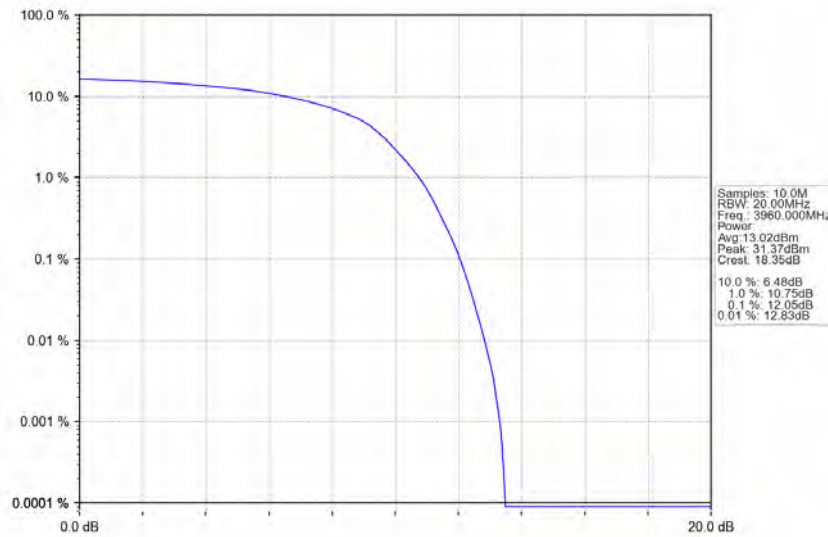
n77a_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3720MHz_Outer_Full



n77a_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3840MHz_Outer_Full

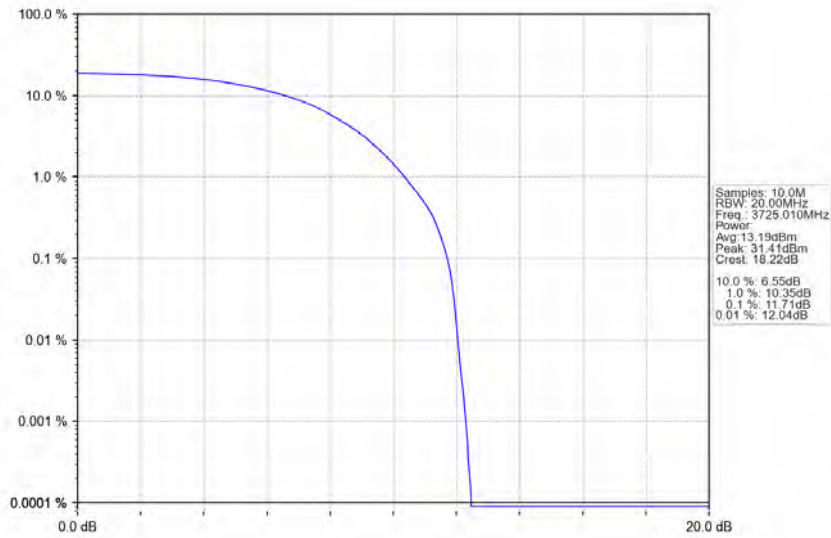


n77a_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3960MHz_Outer_Full

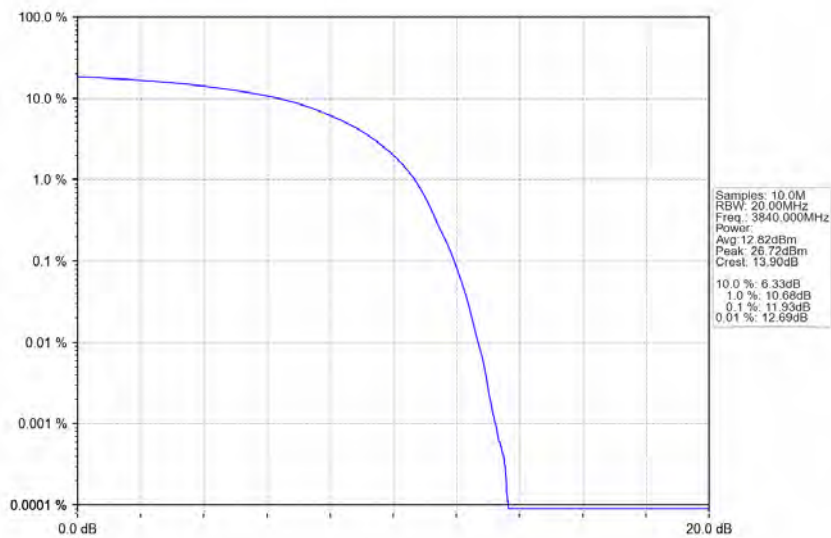


4.2.4 30k_SISO_50MHz_NTNV

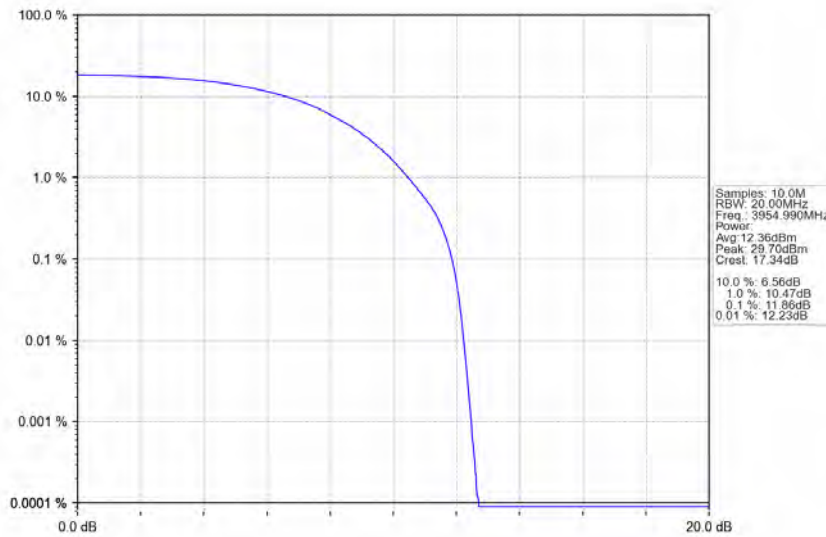
n77a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3725.01MHz_Outer_Full



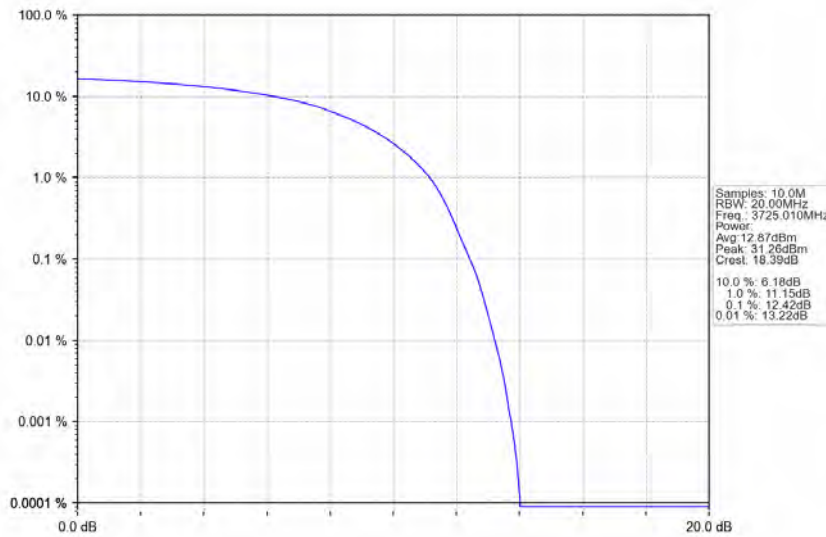
n77a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Outer_Full



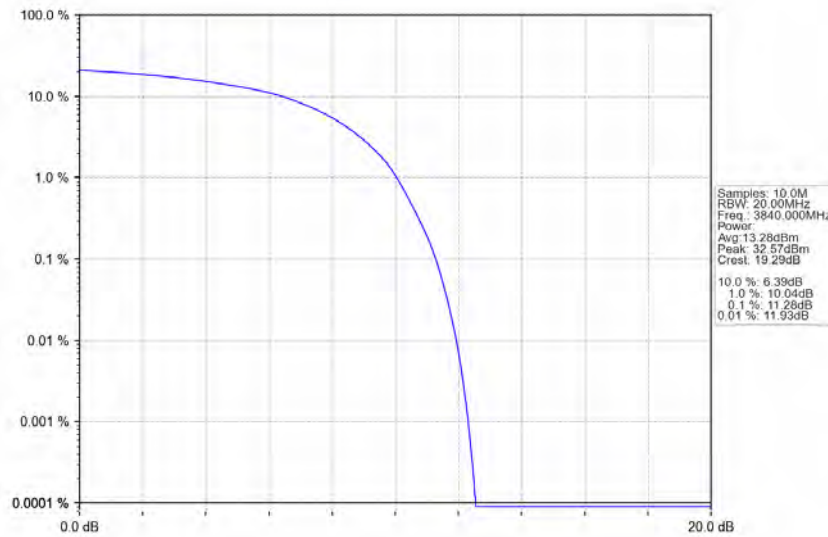
n77a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3954.99MHz_Outer_Full



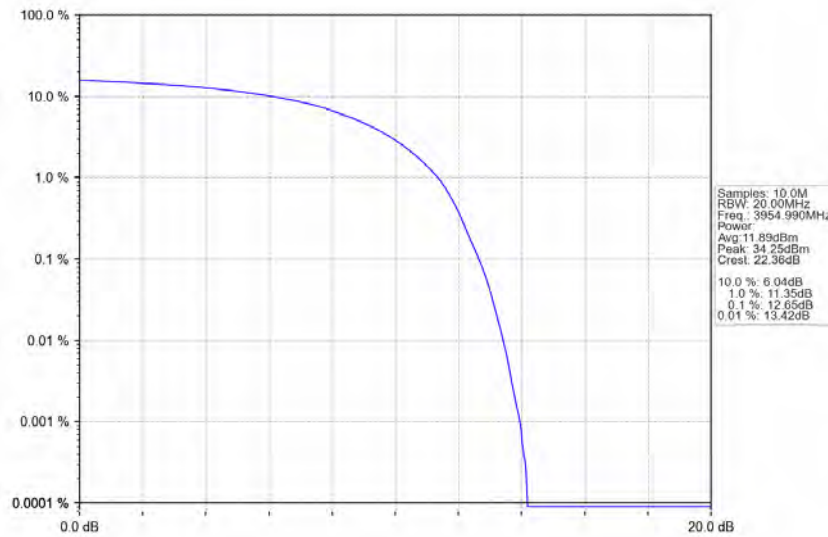
n77a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3725.01MHz_Outer_Full



n77a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3840MHz_Outer_Full

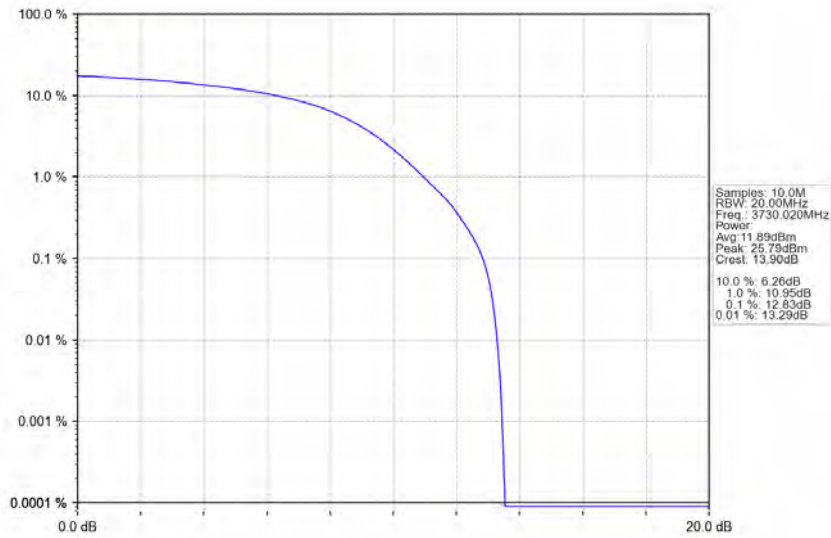


n77a_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3954.99MHz_Outer_Full

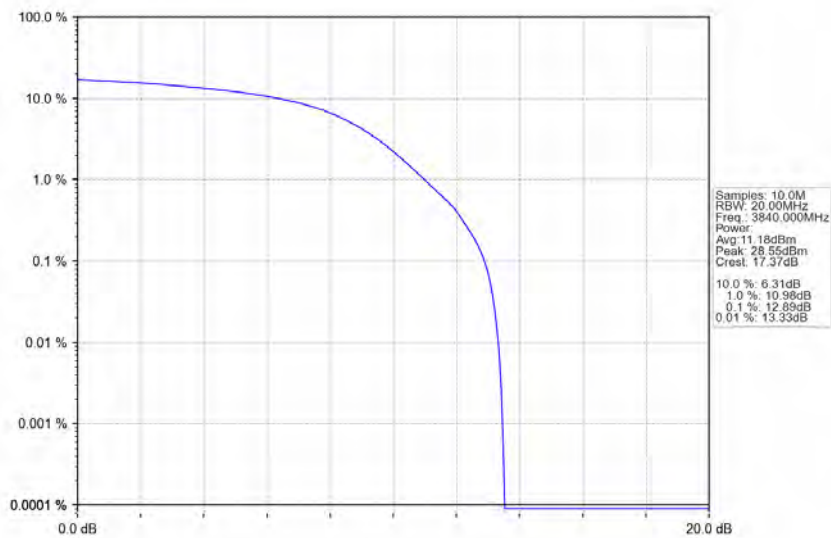


4.2.5 30k_SISO_60MHz_NTNV

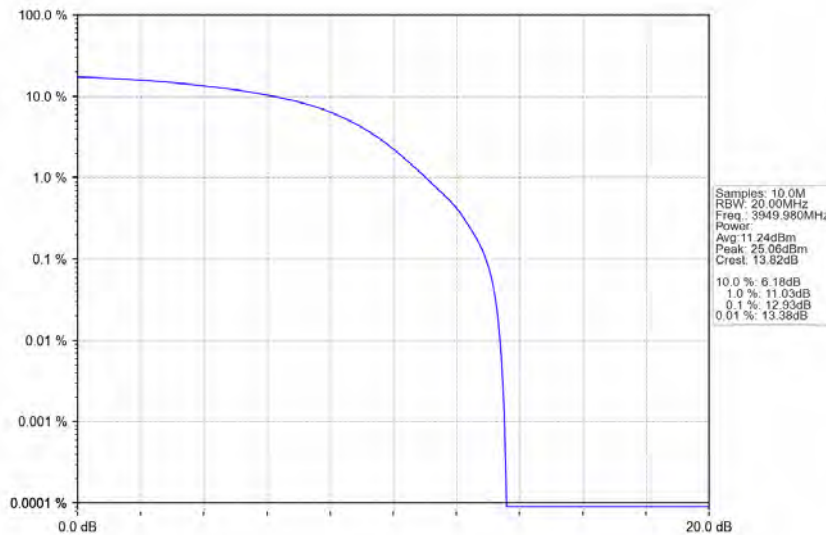
n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3730.02MHz_Outer_Full



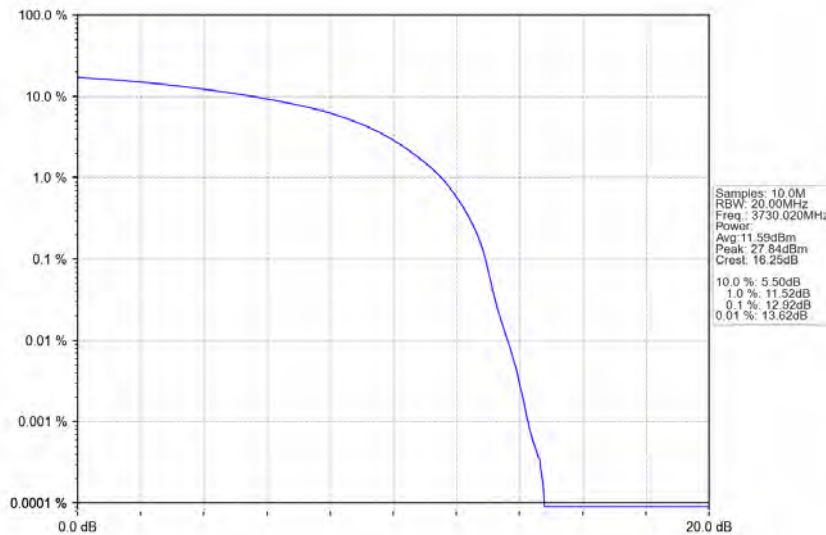
n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Outer_Full



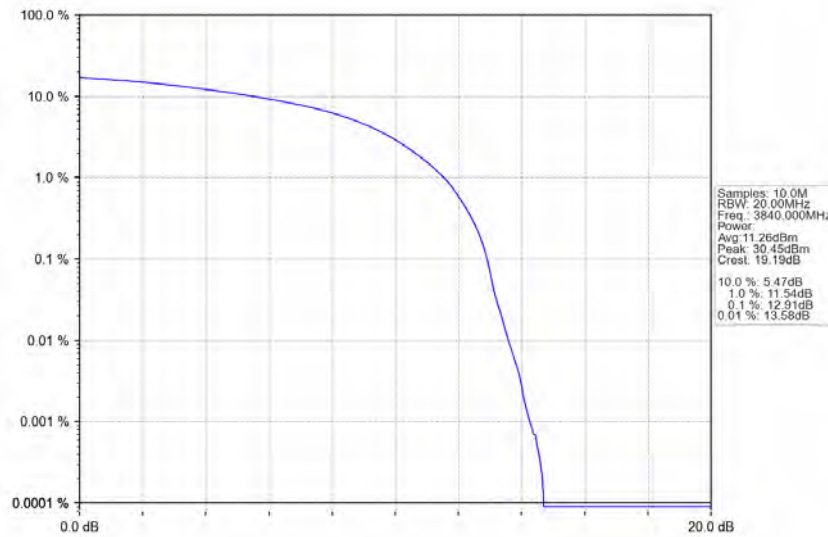
n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3949.98MHz_Outer_Full



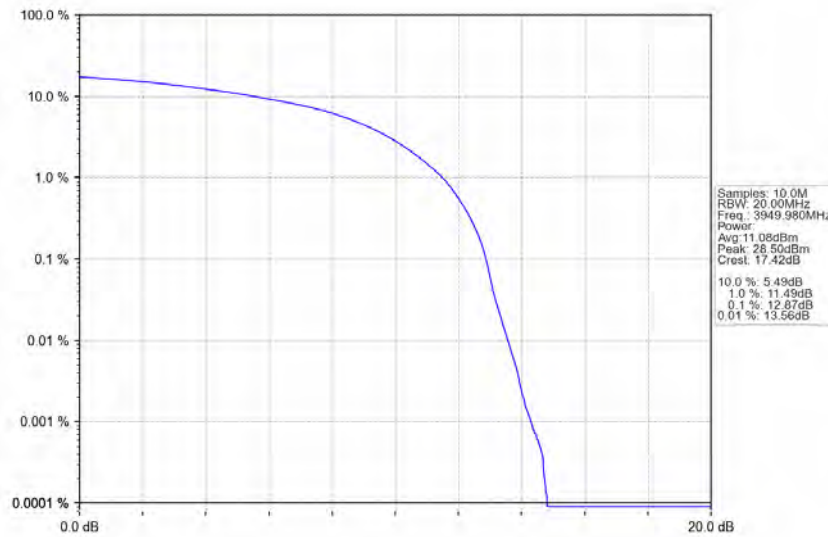
n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_3730.02MHz_Outer_Full



n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_QPSK_3840MHz_Outer_Full

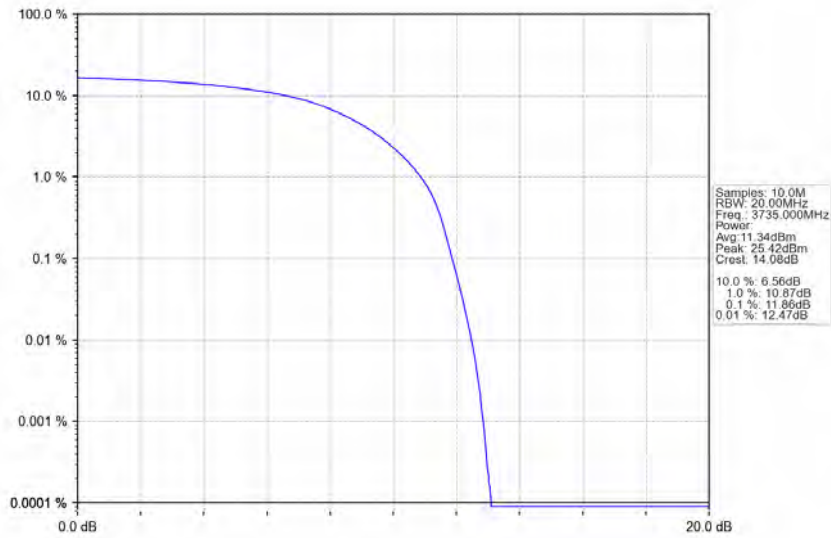


n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_QPSK_3949.98MHz_Outer_Full

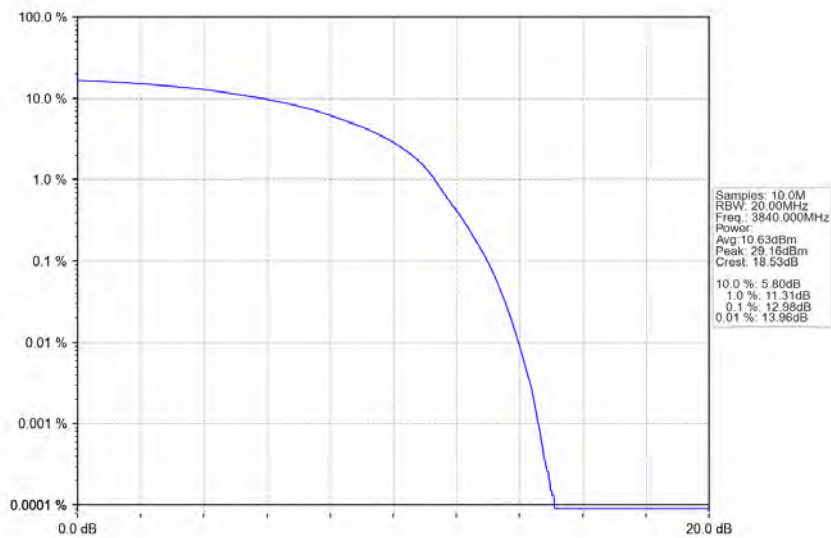


4.2.6 30k_SISO_70MHz_NTNV

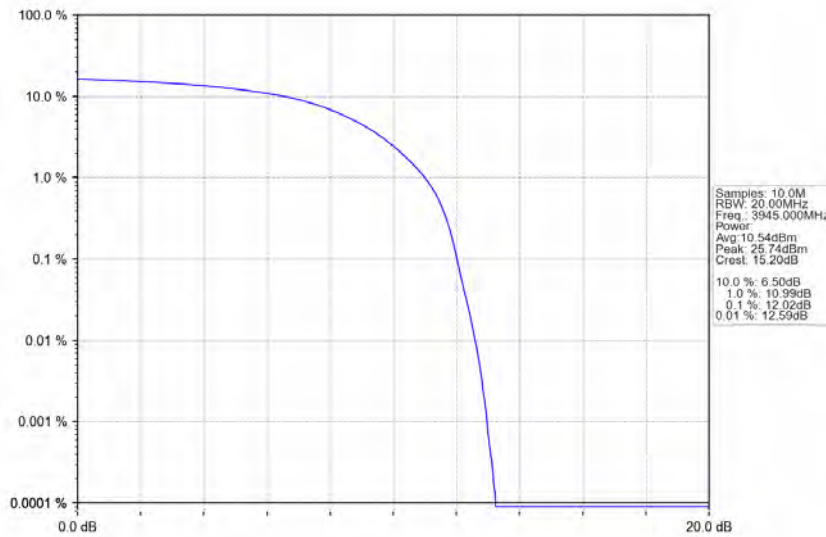
n77a_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3735MHz_Outer_Full



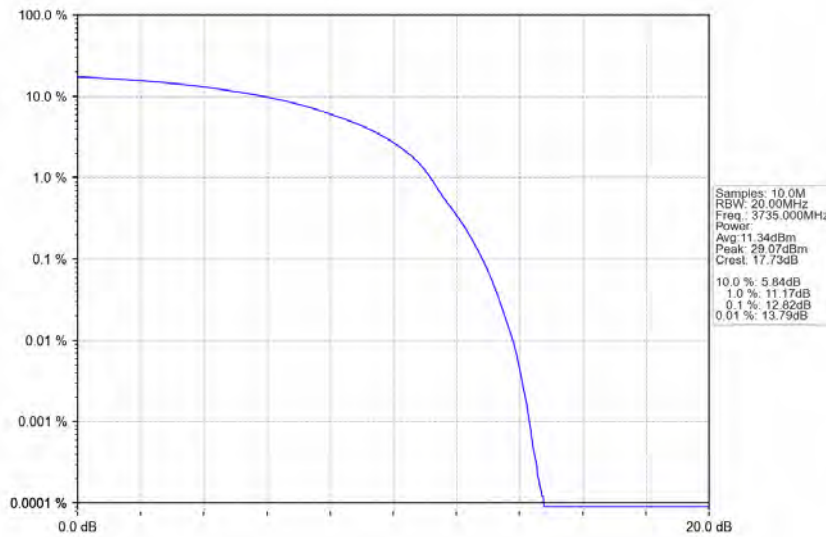
n77a_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Outer_Full



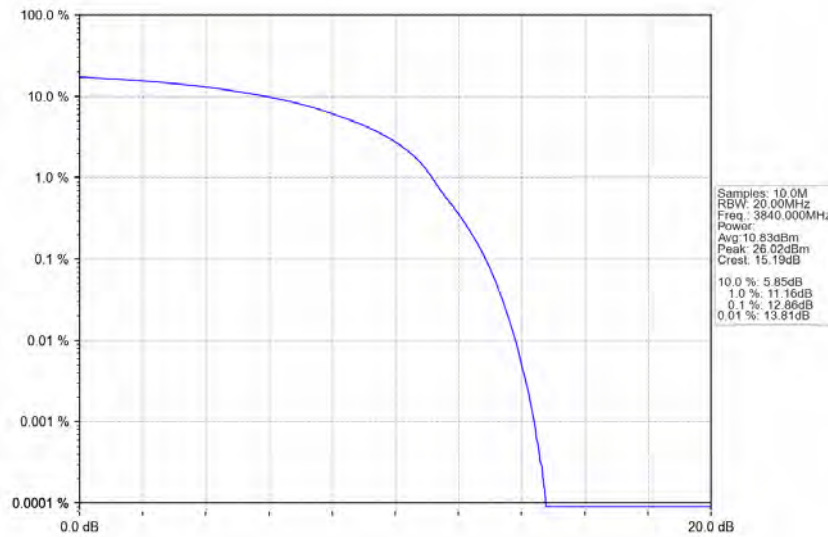
n77a_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3945MHz_Outer_Full



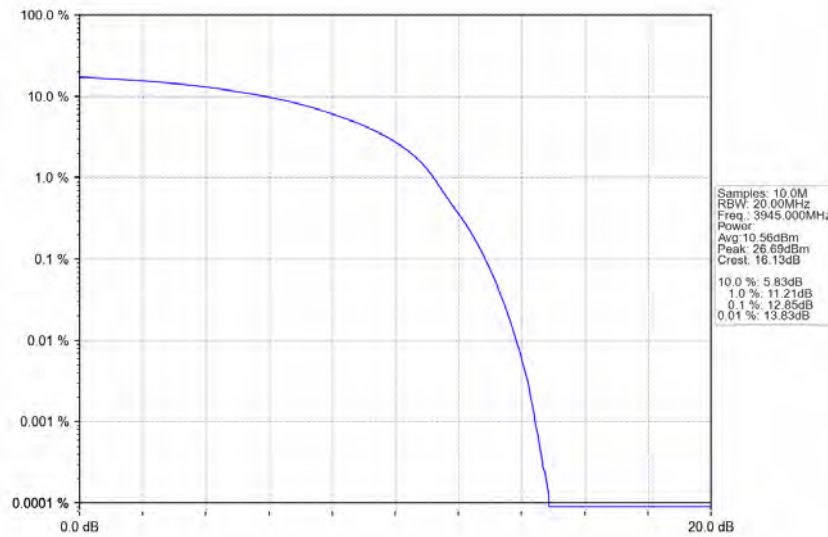
n77a_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM QPSK_3735MHz_Outer_Full



n77a_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM QPSK_3840MHz_Outer_Full

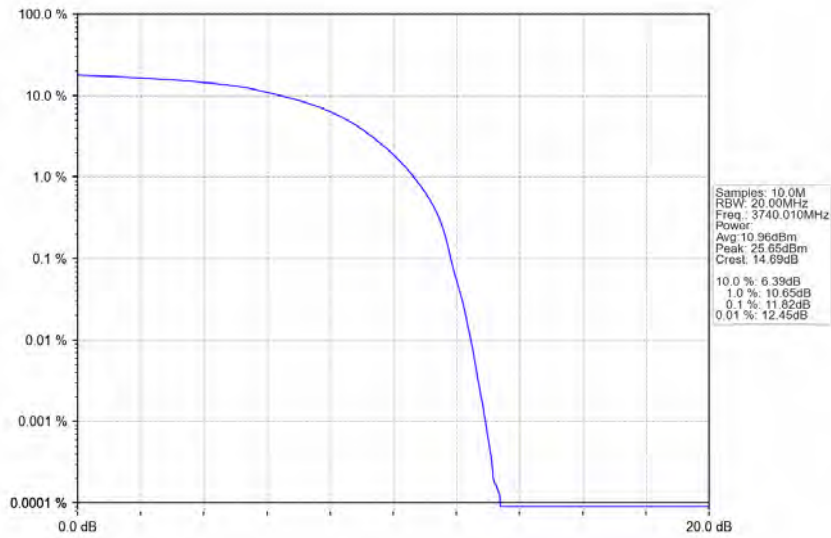


n77a_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM QPSK_3945MHz_Outer_Full

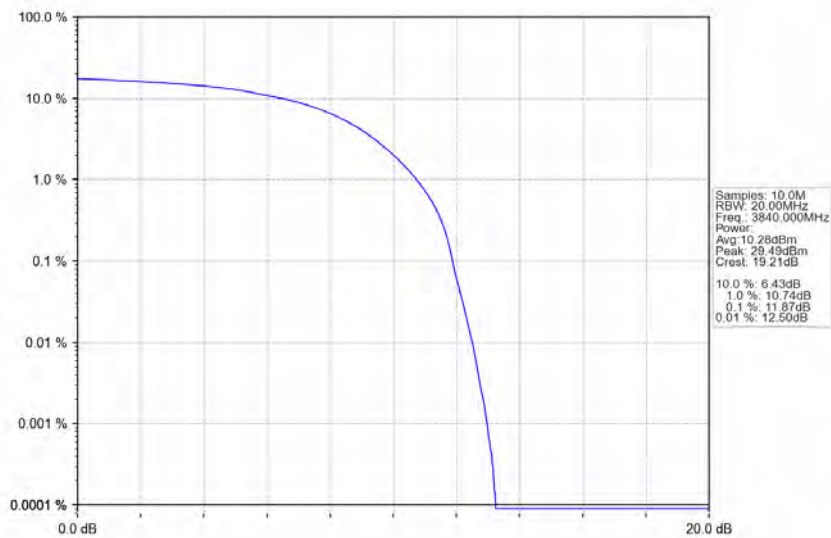


4.2.7 30k_SISO_80MHz_NTNV

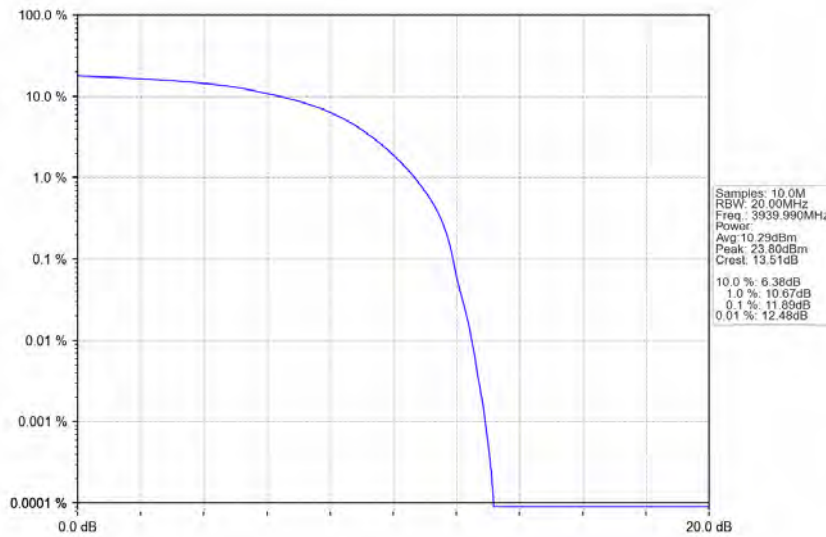
n77a_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3740.01MHz_Outer_Full



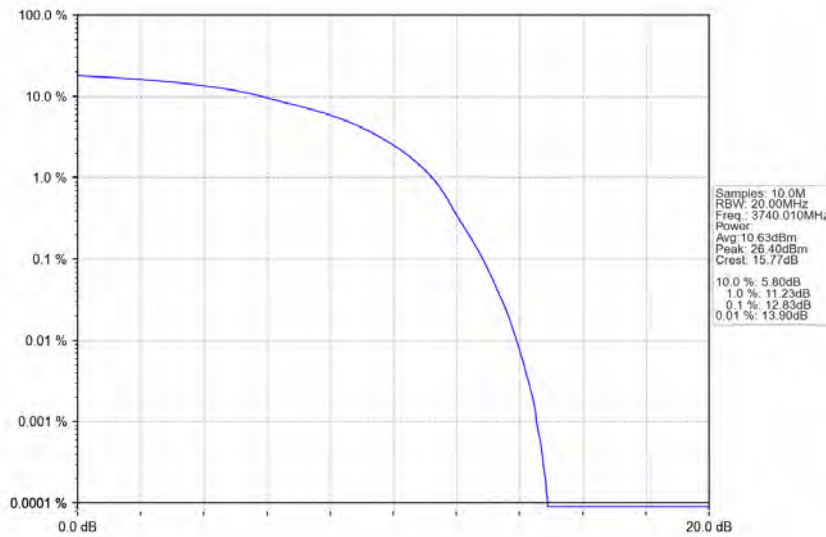
n77a_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Outer_Full



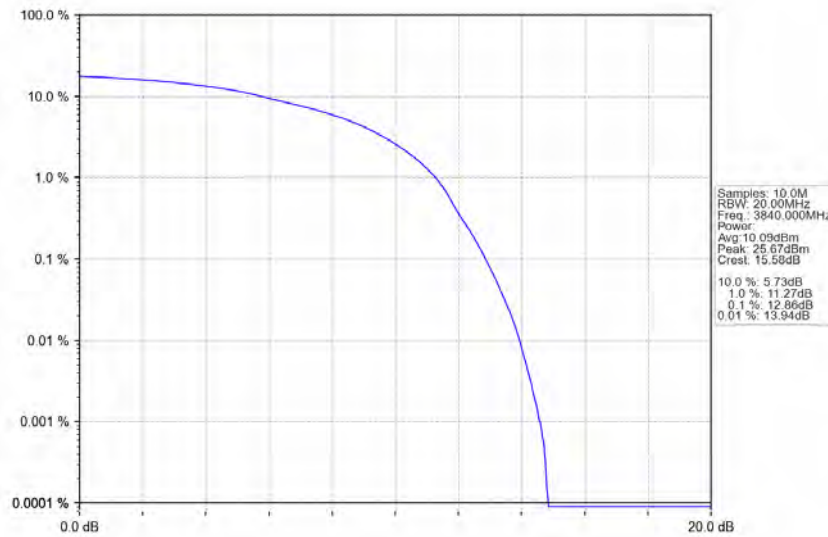
n77a_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3939.99MHz_Outer_Full



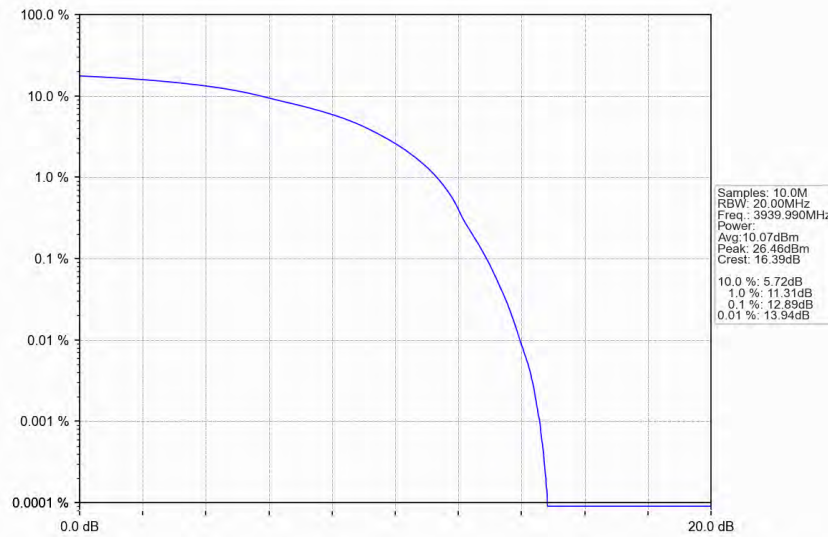
n77a_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_3740.01MHz_Outer_Full



n77a_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_3840MHz_Outer_Full

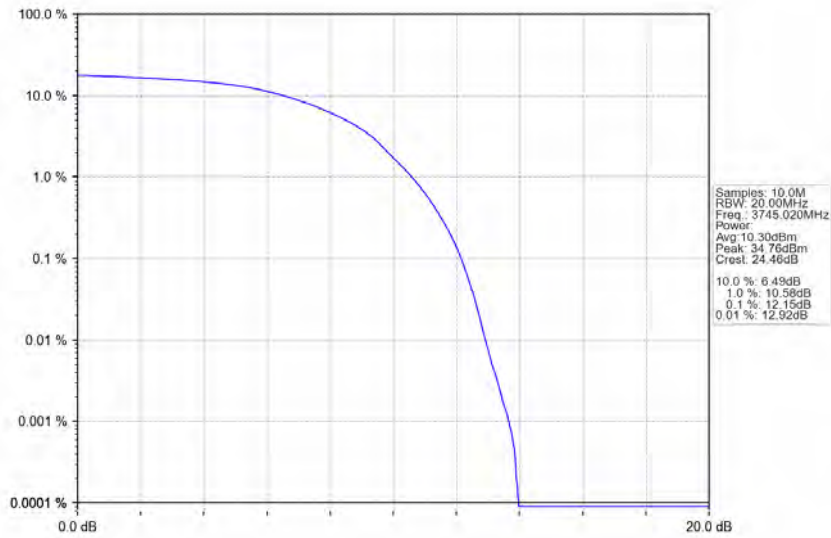


n77a_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_3939.99MHz_Outer_Full

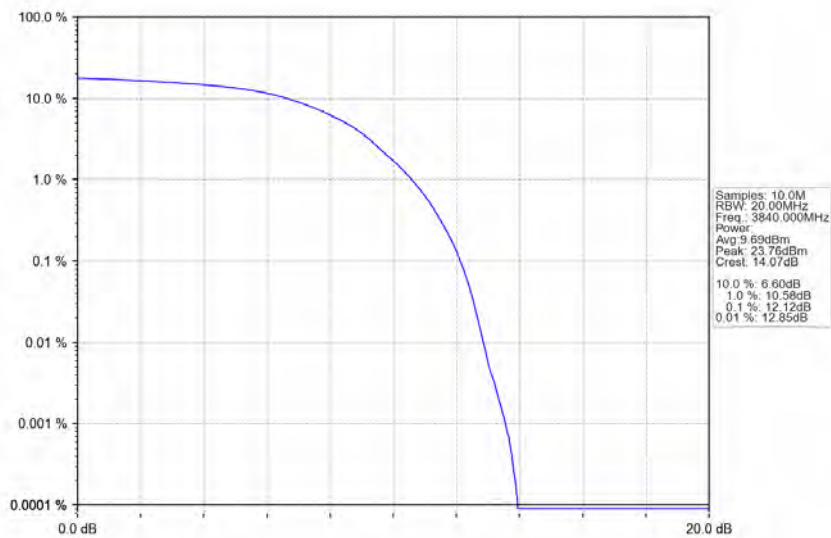


4.2.8 30k_SISO_90MHz_NTNV

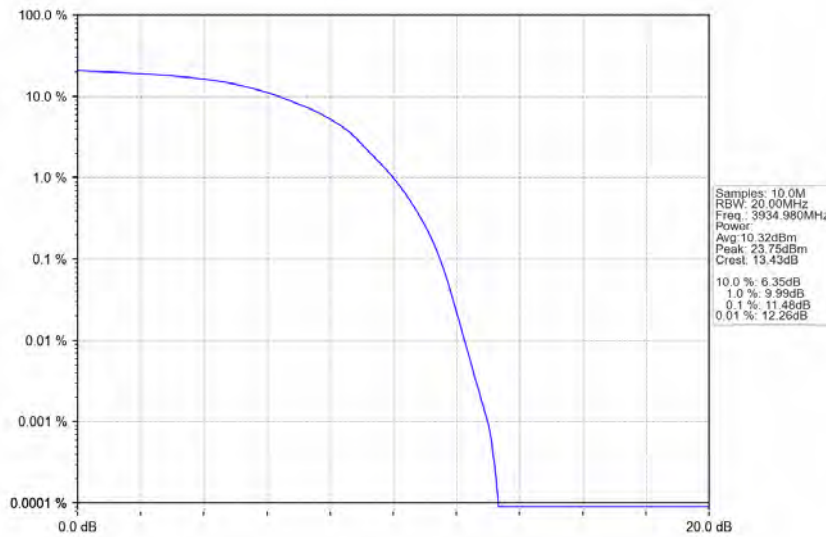
n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3745.02MHz_Outer_Full



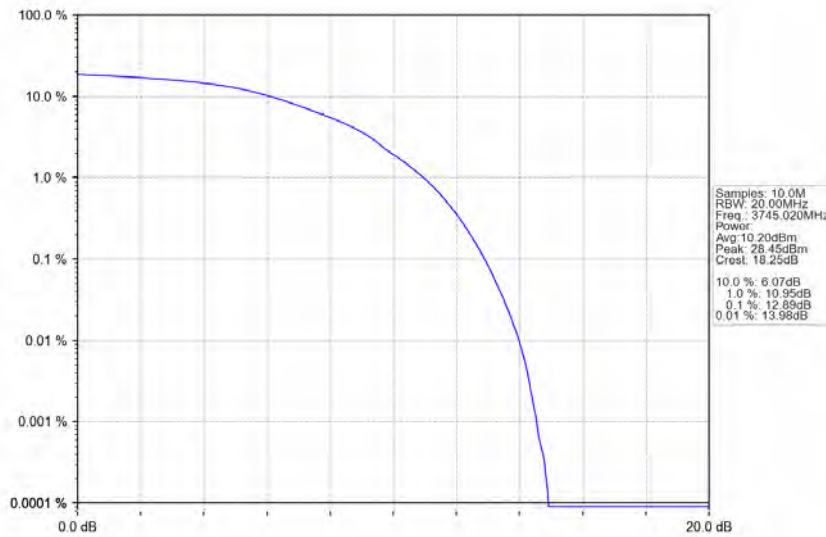
n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Outer_Full



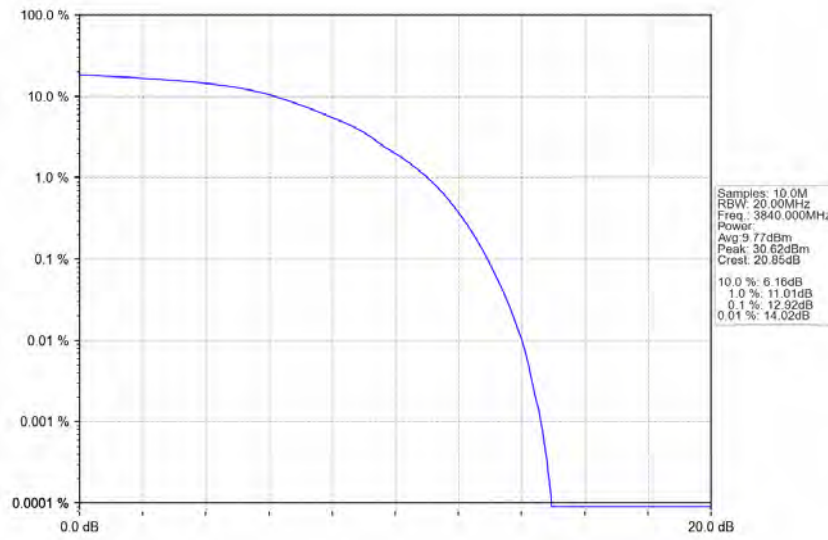
n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3934.98MHz_Outer_Full



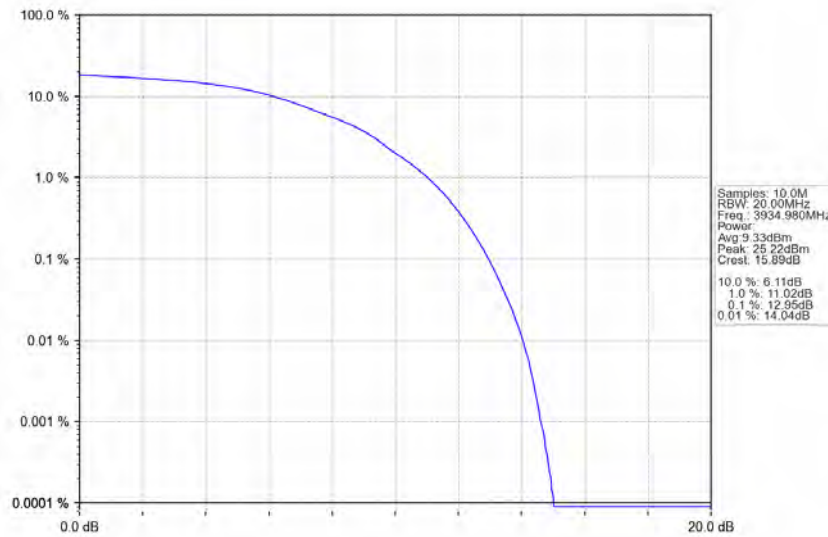
n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3745.02MHz_Outer_Full



n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3840MHz_Outer_Full

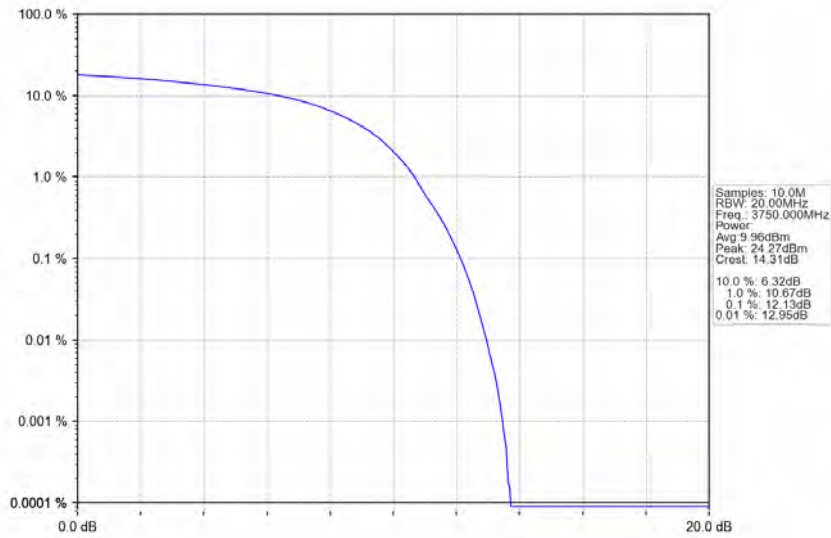


n77a_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3934.98MHz_Outer_Full

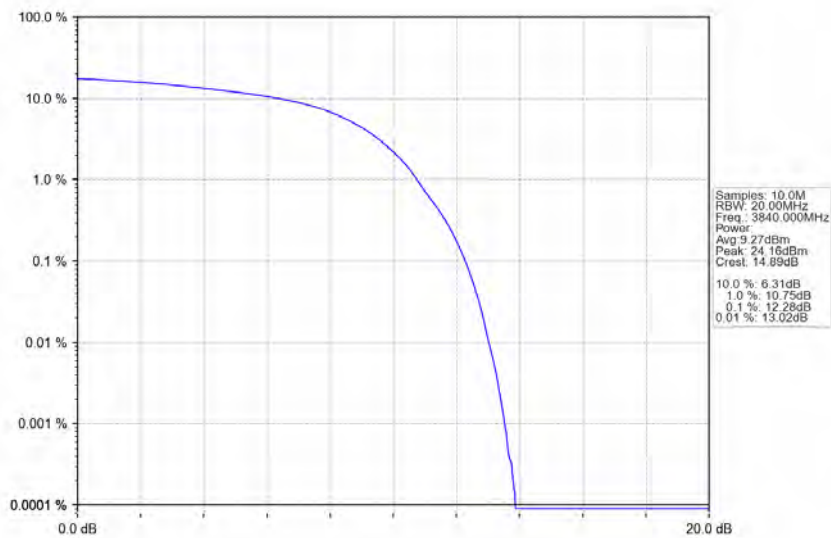


4.2.9 30k_SISO_100MHz_NTNV

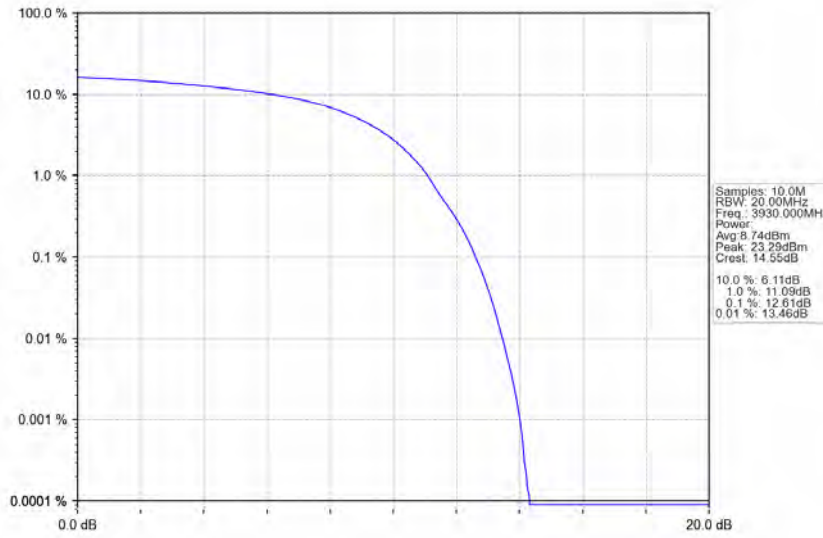
n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3750MHz_Outer_Full



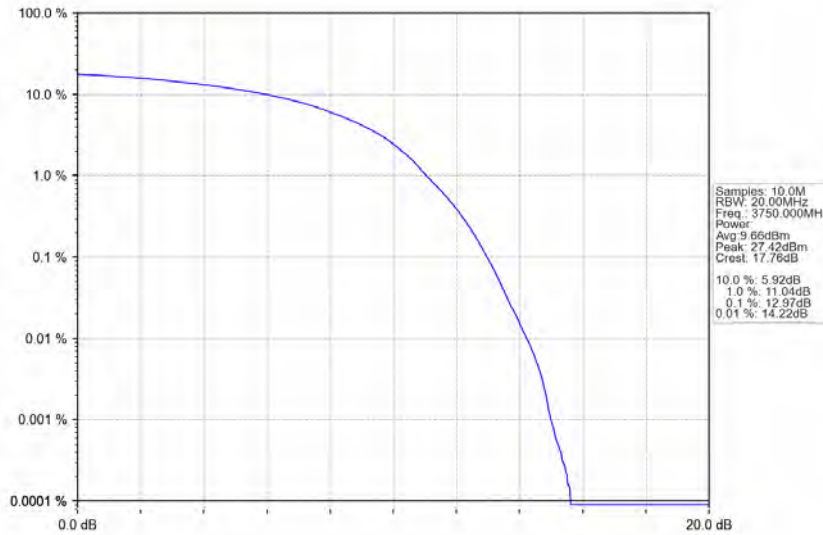
n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Outer_Full



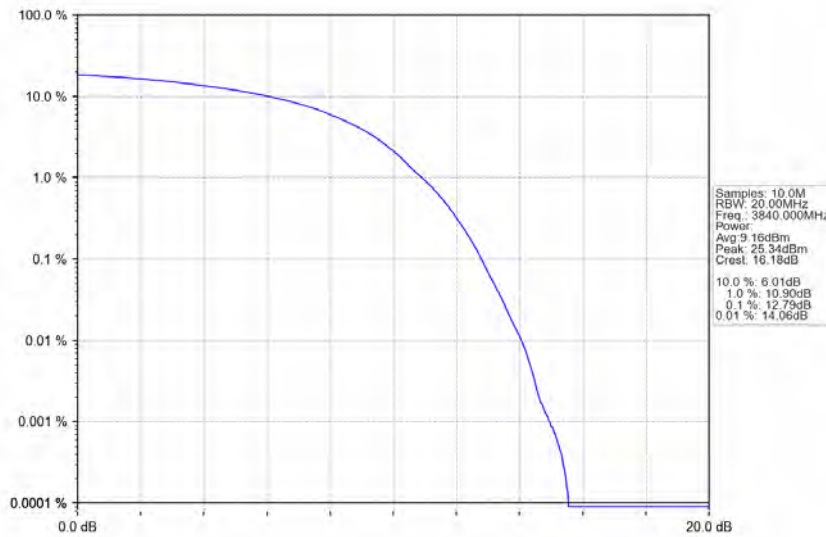
n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3930MHz_Outer_Full



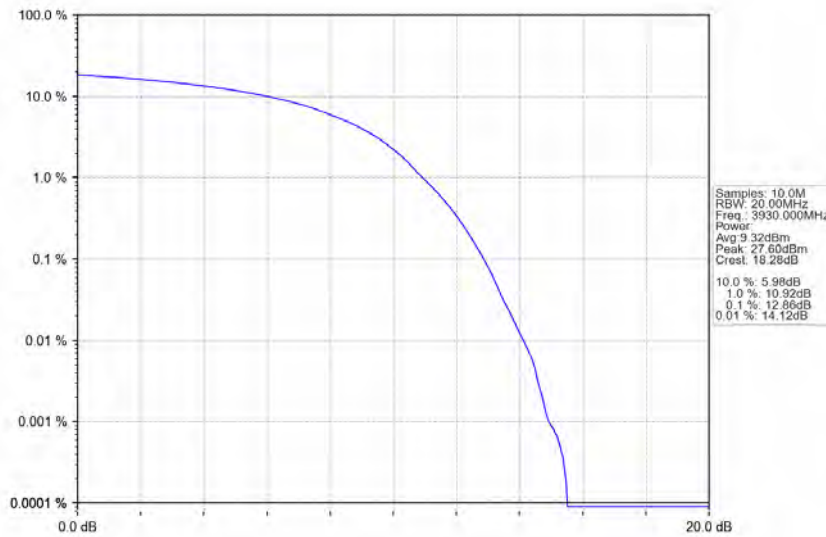
n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3750MHz_Outer_Full



n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3840MHz_Outer_Full



n77a_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3930MHz_Outer_Full



5. Spurious Emission

5.1 Test Result

5.1.1 30k_SISO_20MHz_NTNV

5G NR n77a SCS=30kHz SISO 20MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3710.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3969.99	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3710.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	3710.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	3969.99	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.1.2 30k_SISO_30MHz_NTNV

5G NR n77a SCS=30kHz SISO 30MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3715.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3964.98	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3715.02	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	3964.98	Outer_Full	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
	3715.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3964.98	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.1.3 30k_SISO_40MHz_NTNV

5G NR n77a SCS=30kHz SISO 40MHz NTV					
Modulation	Frequency	RB	Spurious Emission		Verdict

	(MHz)	Allocation	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3720	Edge_1RB_Left		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass
	3840	Edge_1RB_Left		Refer To Test Graph			Pass
		Edge_1RB_Right		Refer To Test Graph			Pass
	3960	Edge_1RB_Right		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass
DFT-s-OFDM QPSK	3720	Edge_1RB_Left		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass
	3840	Edge_1RB_Left		Refer To Test Graph			Pass
		Edge_1RB_Right		Refer To Test Graph			Pass
	3960	Edge_1RB_Right		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass
CP-OFDM QPSK	3720	Edge_1RB_Left		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass
	3840	Edge_1RB_Left		Refer To Test Graph			Pass
		Edge_1RB_Right		Refer To Test Graph			Pass
	3960	Edge_1RB_Right		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass

5.1.4 30k_SISO_50MHz_NTNV

5G NR n77a SCS=30kHz SISO 50MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3725.01	Edge_1RB_Left		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass
	3840	Edge_1RB_Left		Refer To Test Graph			Pass
		Edge_1RB_Right		Refer To Test Graph			Pass
	3954.99	Edge_1RB_Right		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass
DFT-s-OFDM QPSK	3725.01	Edge_1RB_Left		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass
	3840	Edge_1RB_Left		Refer To Test Graph			Pass
		Edge_1RB_Right		Refer To Test Graph			Pass
	3954.99	Edge_1RB_Right		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass
CP-OFDM QPSK	3725.01	Edge_1RB_Left		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass
	3840	Edge_1RB_Left		Refer To Test Graph			Pass
		Edge_1RB_Right		Refer To Test Graph			Pass
	3954.99	Edge_1RB_Right		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass

5.1.5 30k_SISO_60MHz_NTNV

5G NR n77a SCS=30kHz SISO 60MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3730.02	Edge_1RB_Left		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass
	3840	Edge_1RB_Left		Refer To Test Graph			Pass
		Edge_1RB_Right		Refer To Test Graph			Pass
	3949.98	Edge_1RB_Right		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass
DFT-s-OFDM QPSK	3730.02	Edge_1RB_Left		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass
	3840	Edge_1RB_Left		Refer To Test Graph			Pass
		Edge_1RB_Right		Refer To Test Graph			Pass
	3949.98	Edge_1RB_Right		Refer To Test Graph			Pass
		Outer_Full		Refer To Test Graph			Pass
CP-OFDM QPSK	3730.02	Edge_1RB_Left		Refer To Test Graph			Pass

		Outer_Full	Refer To Test Graph	Pass
	3840	Edge_1RB_Left	Refer To Test Graph	Pass
	3949.98	Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass

5.1.6 30k_SISO_70MHz_NTNV

5G NR n77a SCS=30kHz SISO 70MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3735	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3735	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	3735	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3945	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.1.7 30k_SISO_80MHz_NTNV

5G NR n77a SCS=30kHz SISO 80MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3740.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3939.99	Outer_Full	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
	3740.01	Outer_Full	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
CP-OFDM QPSK	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3939.99	Outer_Full	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
	3740.01	Outer_Full	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3939.99	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.1.8 30k_SISO_90MHz_NTNV

5G NR n77a SCS=30kHz SISO 90MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3745.02	Edge_1RB_Left	Refer To Test Graph				Pass

		Outer_Full	Refer To Test Graph	Pass
	3840	Edge_1RB_Left	Refer To Test Graph	Pass
	3934.98	Edge_1RB_Right	Refer To Test Graph	Pass
Outer_Full		Refer To Test Graph	Pass	
DFT-s-OFDM QPSK	3745.02	Edge_1RB_Left	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass
	3840	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
	3934.98	Outer_Full	Refer To Test Graph	Pass
CP-OFDM QPSK		3745.02	Edge_1RB_Left	Refer To Test Graph
	Outer_Full		Refer To Test Graph	Pass
	3840	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
	3934.98	Outer_Full	Refer To Test Graph	Pass

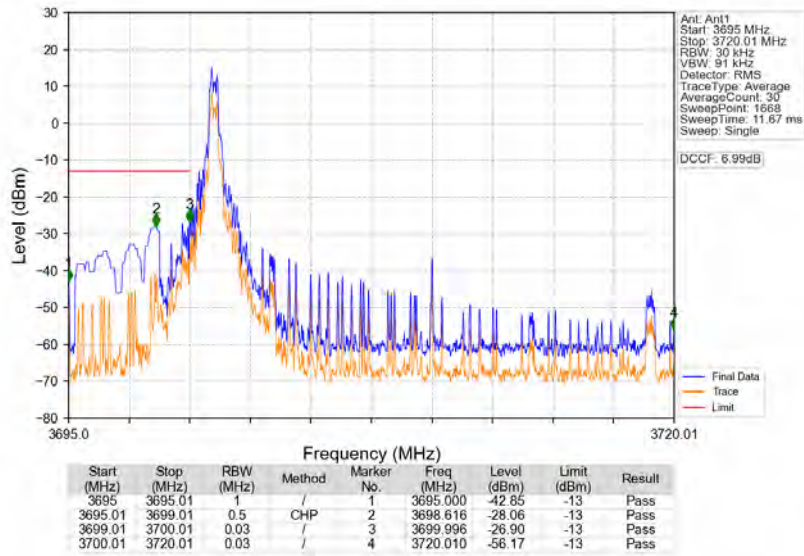
5.1.9 30k_SISO_100MHz_NTNV

5G NR n77a SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3930	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK		3750	Edge_1RB_Left	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3930	Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK		3750	Edge_1RB_Left	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	3840	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3930	Outer_Full	Refer To Test Graph				Pass

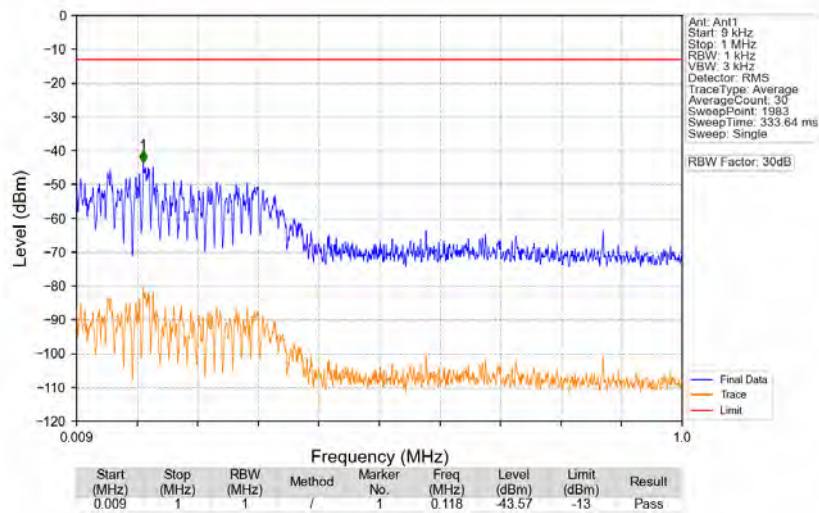
5.2 Test Graph

5.2.1 30k_SISO_20MHz_NTNV

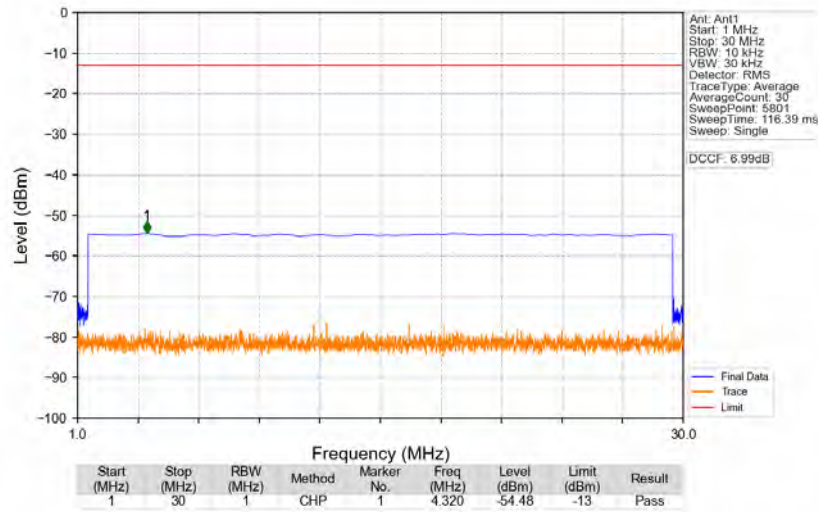
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3710.01MHz_Edge_1RB_Left



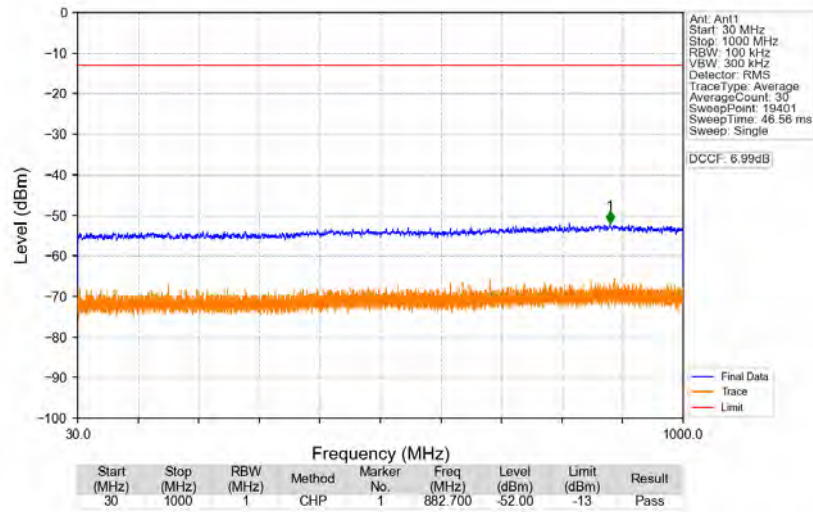
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3710.01MHz_Edge_1RB_Left



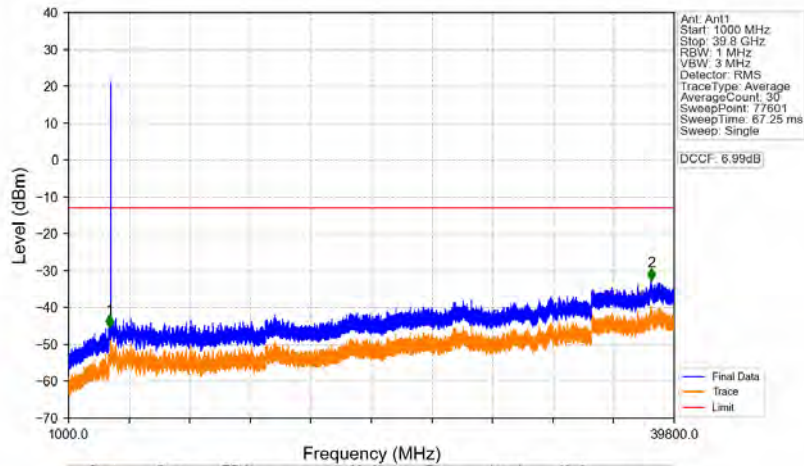
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3710.01MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3710.01MHz_Edge_1RB_Left

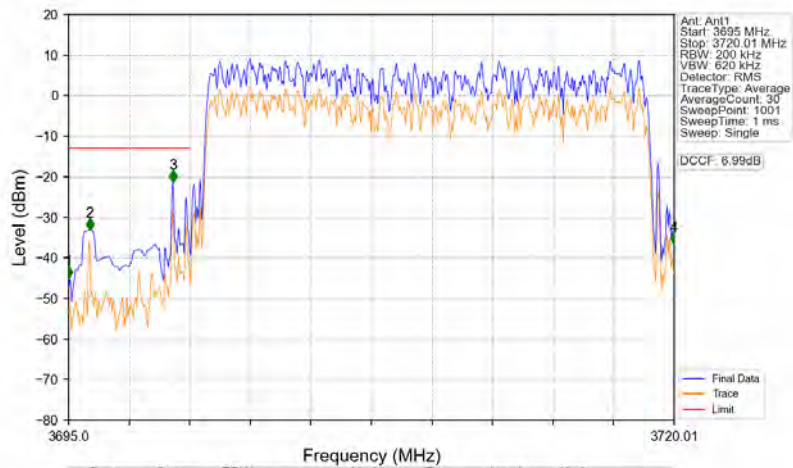


n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3710.01MHz_Edge_1RB_Left



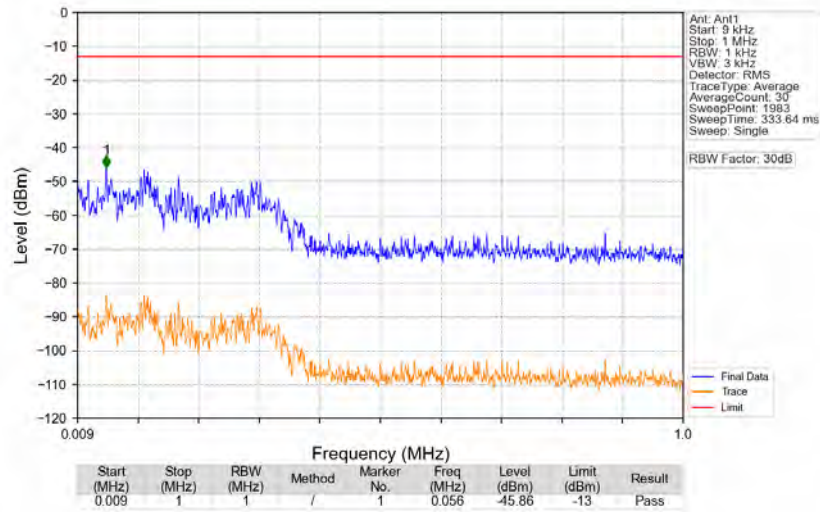
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695.01	1	/	1	3625.500	-45.41	-13	Pass
3695.01	3725.01	1	/	/	/	/	/	/
3725.01	39800	1	/	2	38327.500	-32.66	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3710.01MHz_Outer_Full

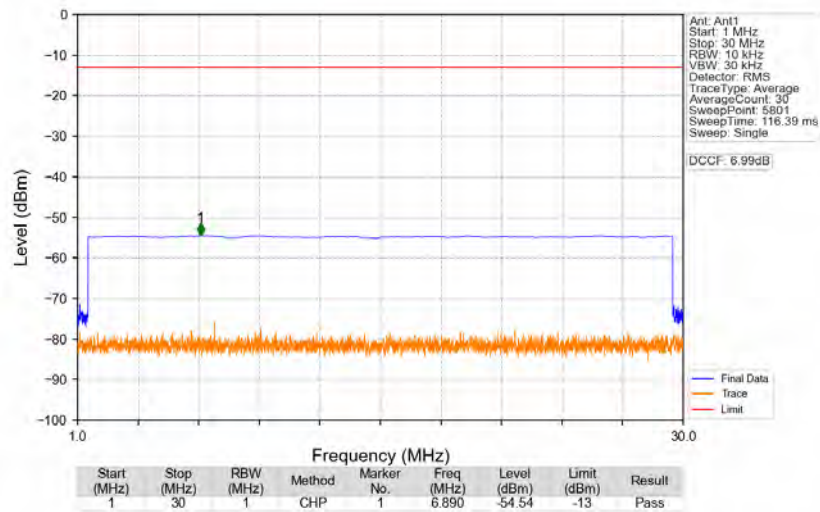


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	/	1	3695.000	-45.07	-13	Pass
3695.01	3699.01	0.5	CHP	2	3695.875	-33.24	-13	Pass
3699.01	3700.01	0.2	/	3	3699.302	-21.48	-13	Pass
3700.01	3720.01	0.2	/	4	3720.010	-36.75	-13	Pass

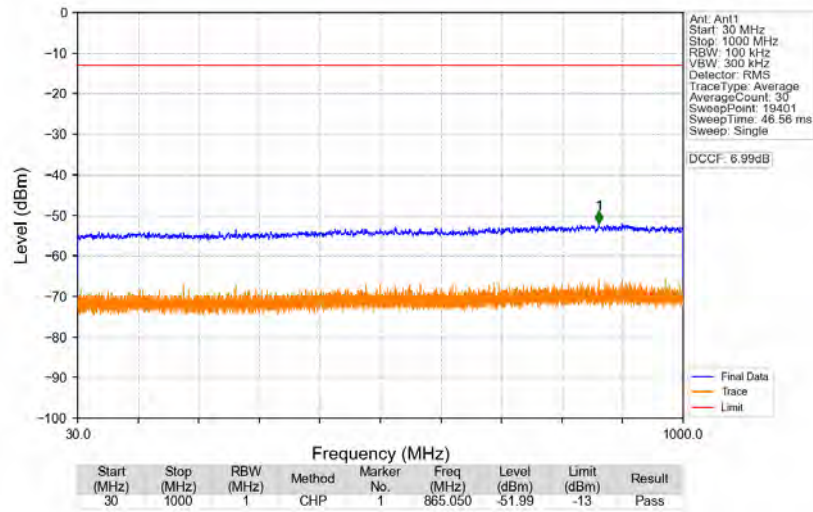
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left



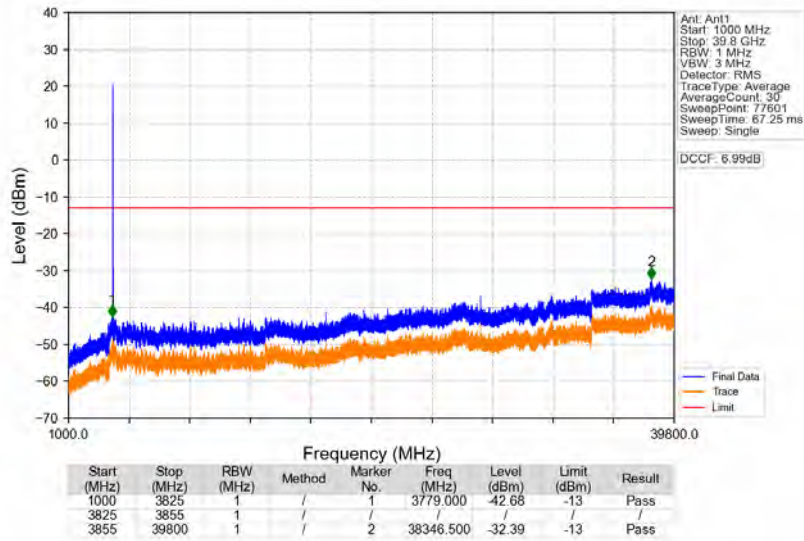
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left



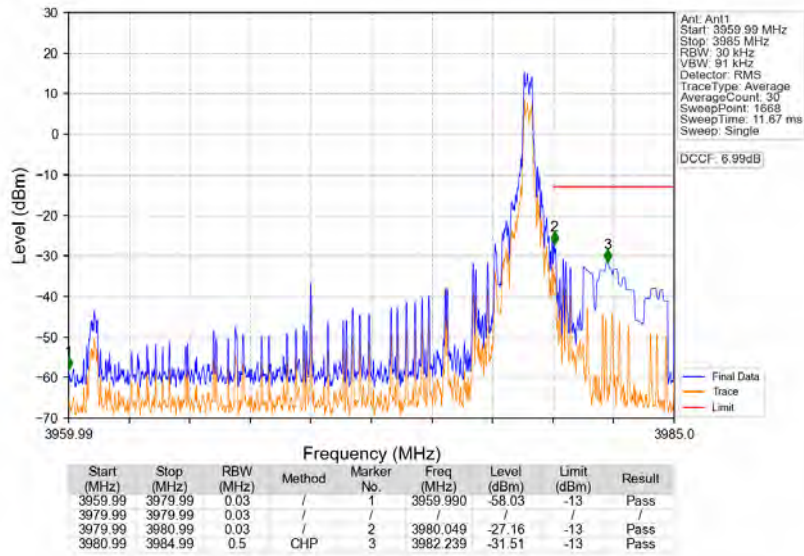
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left



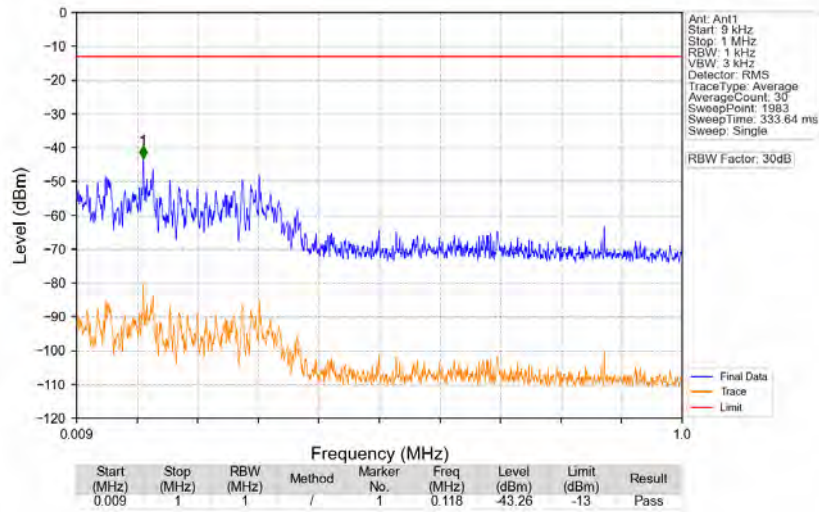
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3840MHz_Edge_1RB_Left



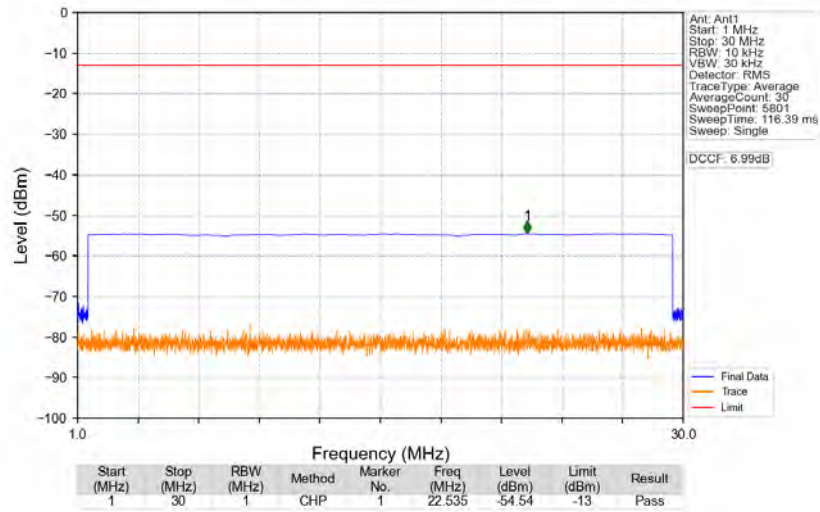
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3969.99MHz_Edge_1RB_Right



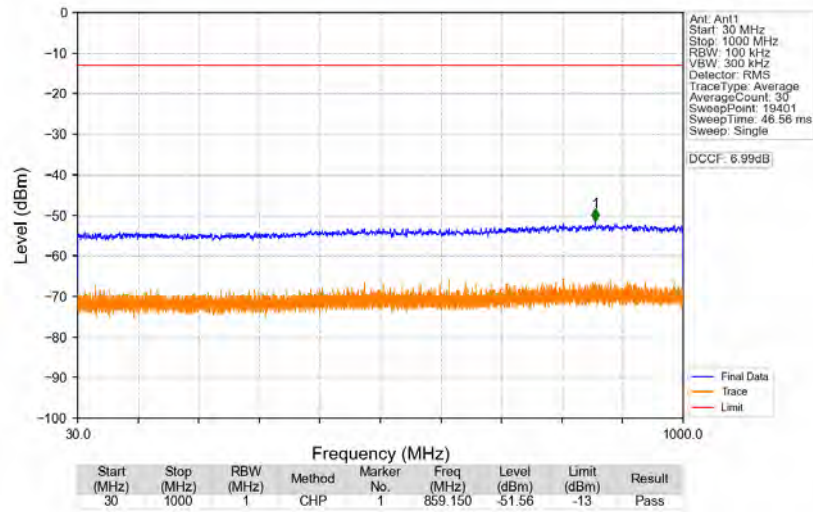
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3969.99MHz_Edge_1RB_Right



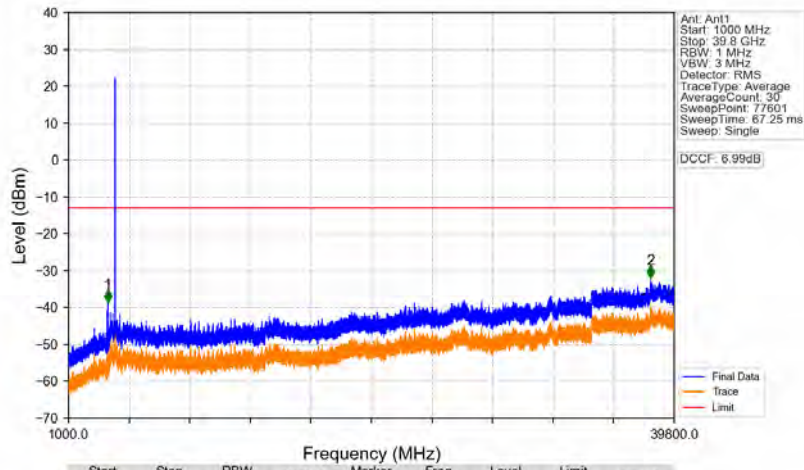
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3969.99MHz_Edge_1RB_Right



n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3969.99MHz_Edge_1RB_Right

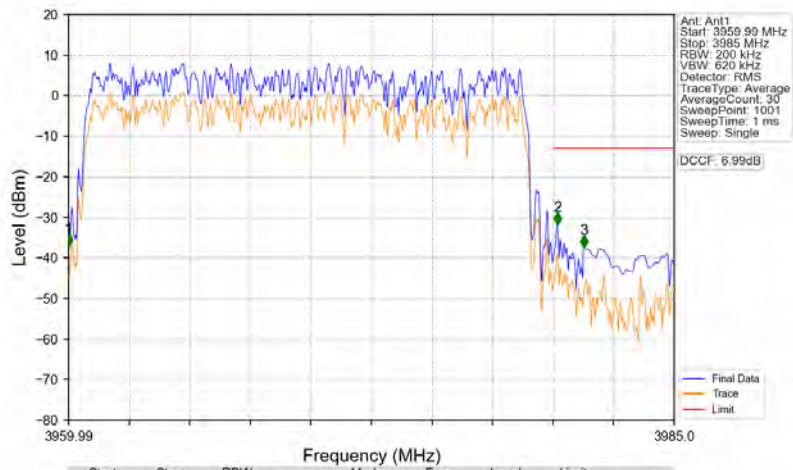


n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3969.99MHz_Edge_1RB_Right



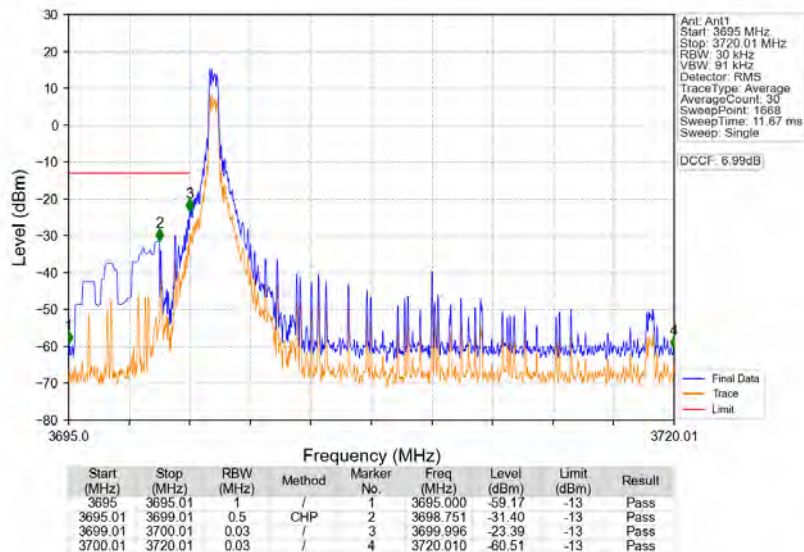
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3954.99	1	/	1	3518.000	-38.55	-13	Pass
3954.99	3984.99	1	/	/	/	/	/	/
3984.99	39800	1	/	2	38308.500	-32.05	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3969.99MHz_Outer_Full

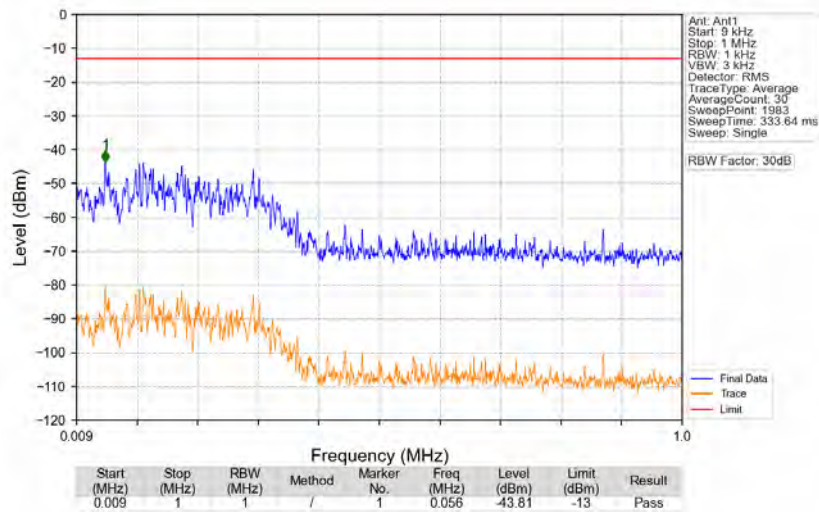


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.2	/	1	3959.990	-37.18	-13	Pass
3979.99	3979.99	0.2	/	/	/	/	/	/
3979.99	3980.99	0.2	/	2	3980.173	-31.86	-13	Pass
3980.99	3984.99	0.5	CHP	3	3981.274	-37.47	-13	Pass

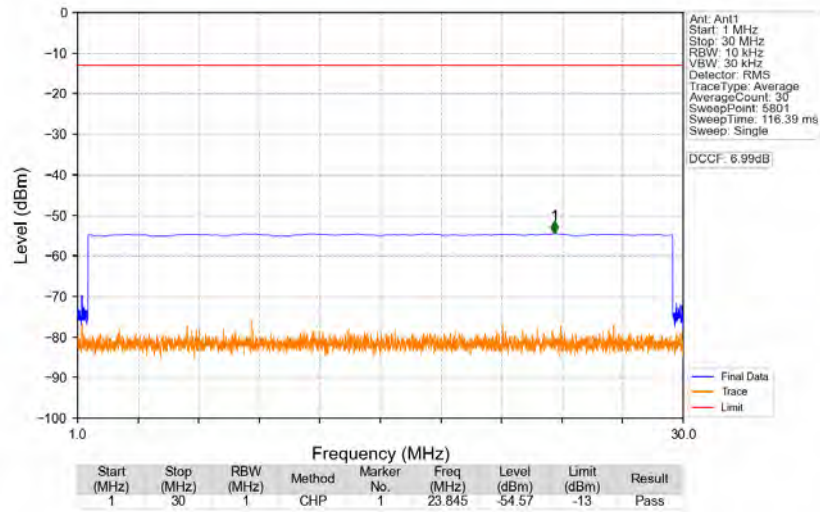
n77a_30kHz_SISO_NTV_20MHz_DFT-s-OFDM_QPSK_3710.01MHz_Edge_1RB_Left



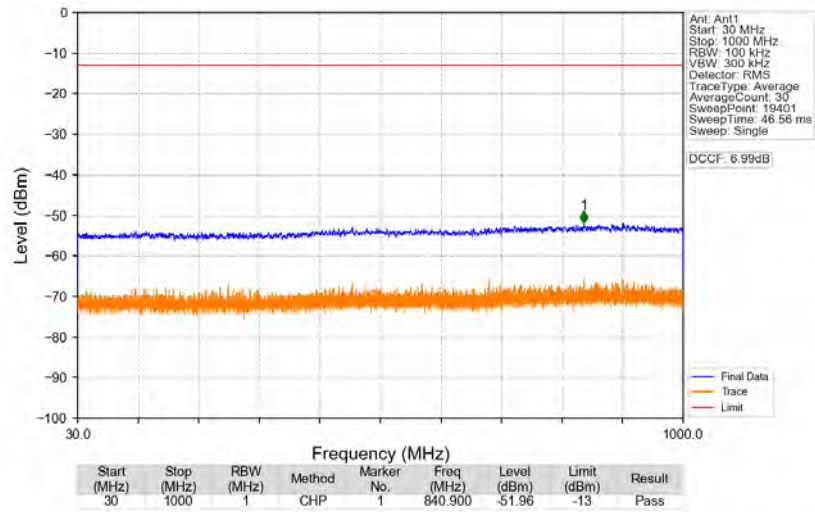
n77a_30kHz_SISO_NTV_20MHz_DFT-s-OFDM_QPSK_3710.01MHz_Edge_1RB_Left



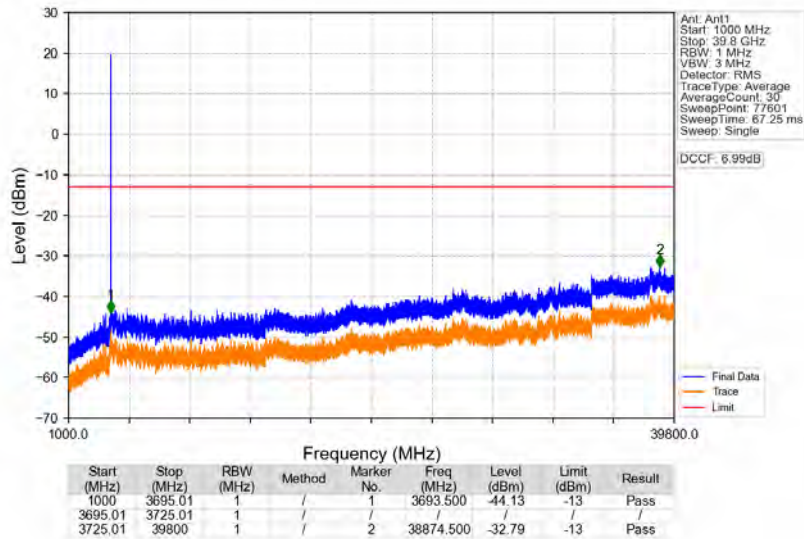
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3710.01MHz_Edge_1RB_Left



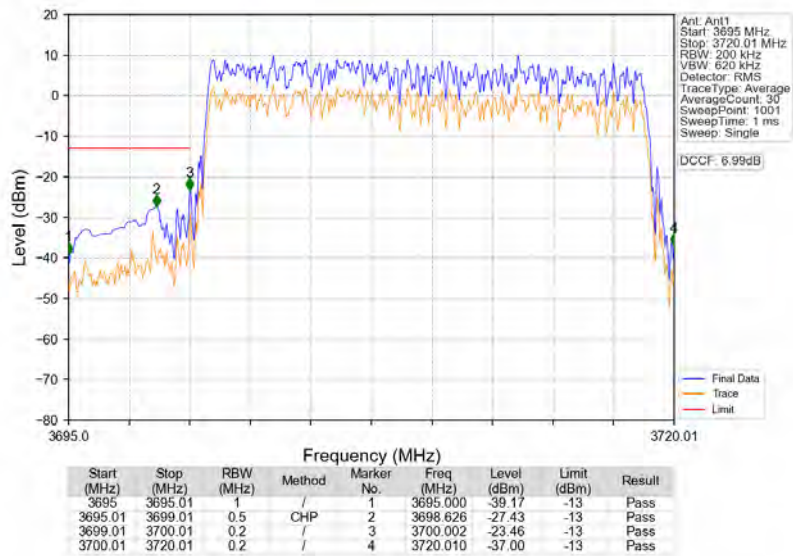
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3710.01MHz_Edge_1RB_Left



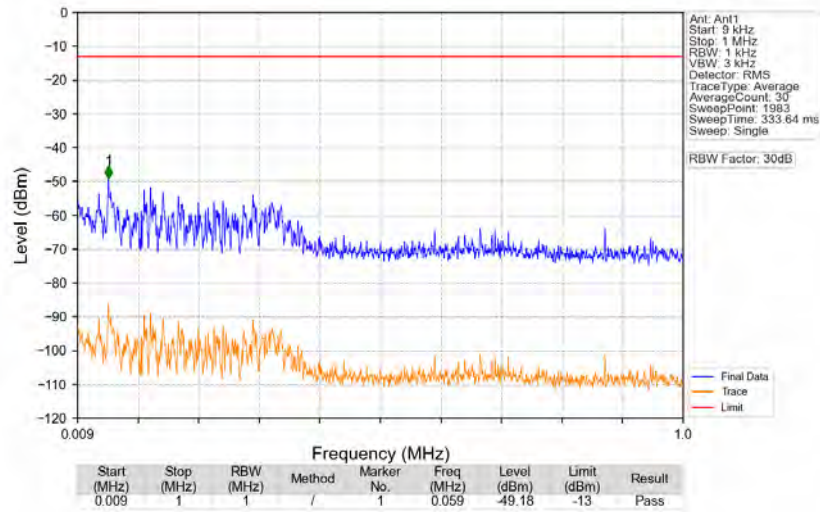
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3710.01MHz_Edge_1RB_Left



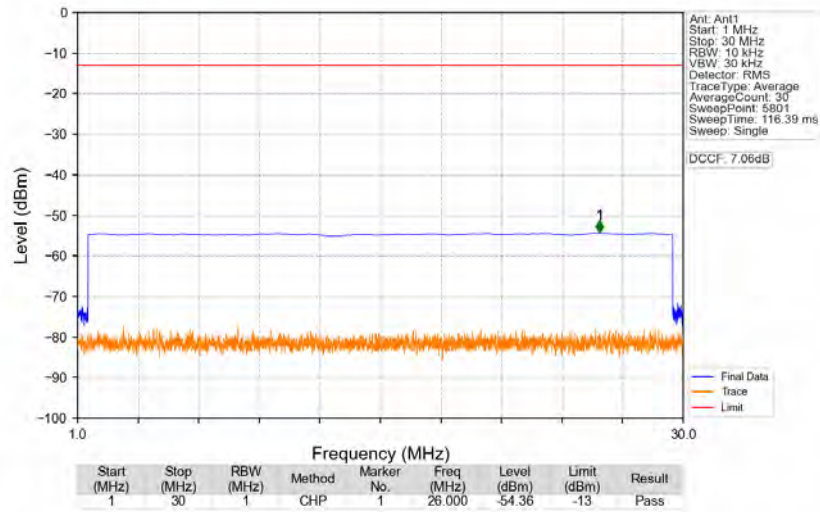
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3710.01MHz_Outer_Full



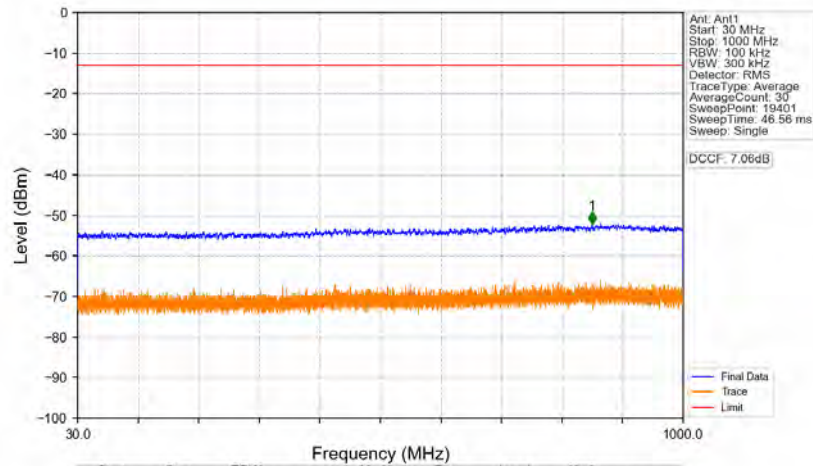
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3840MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3840MHz_Edge_1RB_Left

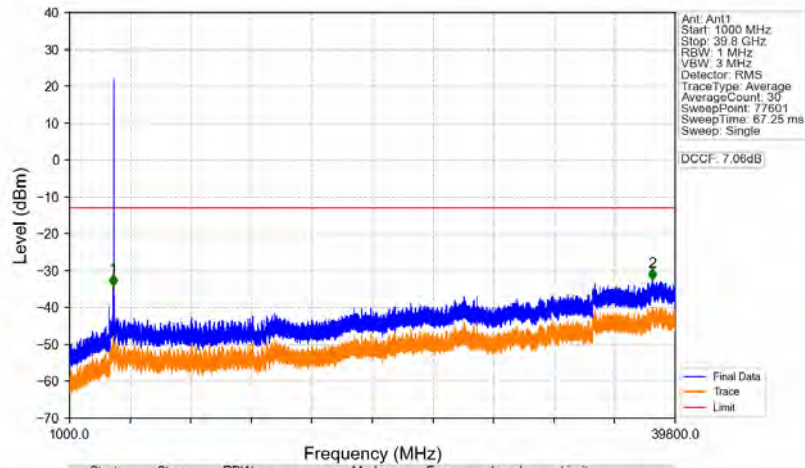


n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3840MHz_Edge_1RB_Left



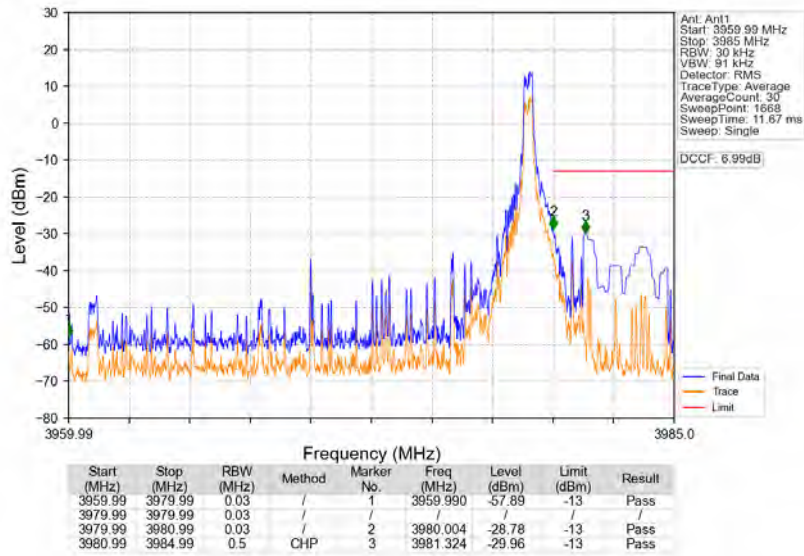
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	854.150	-52.11	-13	Pass

n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3840MHz_Edge_1RB_Left

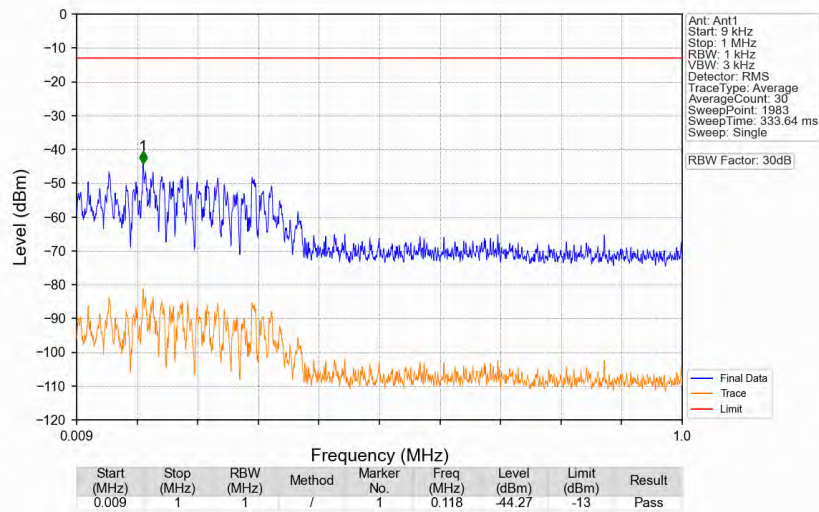


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3825	1	/	1	3791.000	-34.38	-13	Pass
3825	3855	1	/	/	/	/	/	/
3855	39800	1	/	2	38345.000	-32.79	-13	Pass

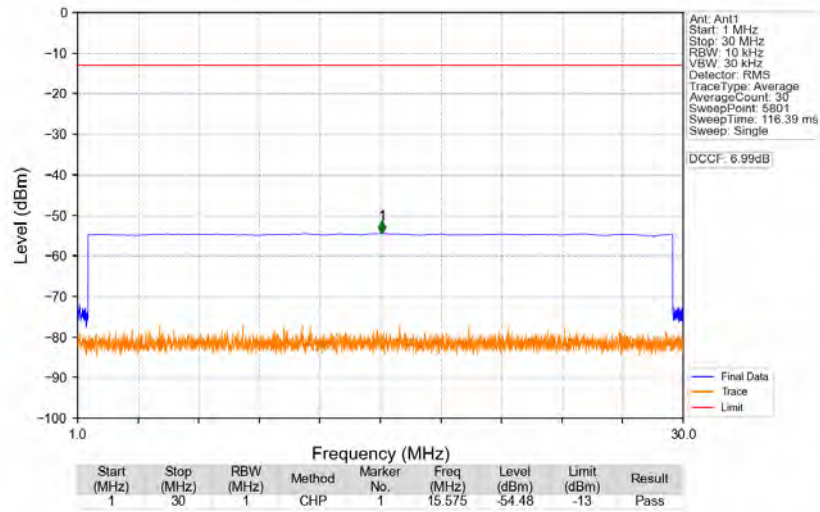
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3969.99MHz_Edge_1RB_Right



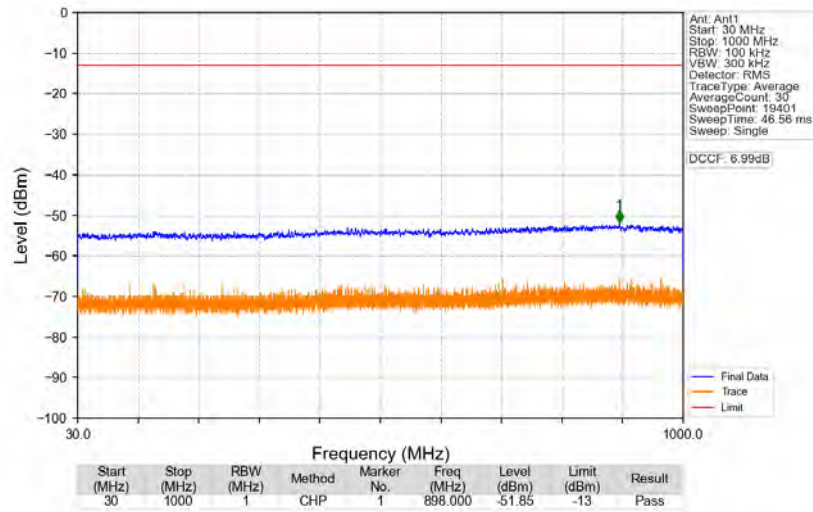
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3969.99MHz_Edge_1RB_Right



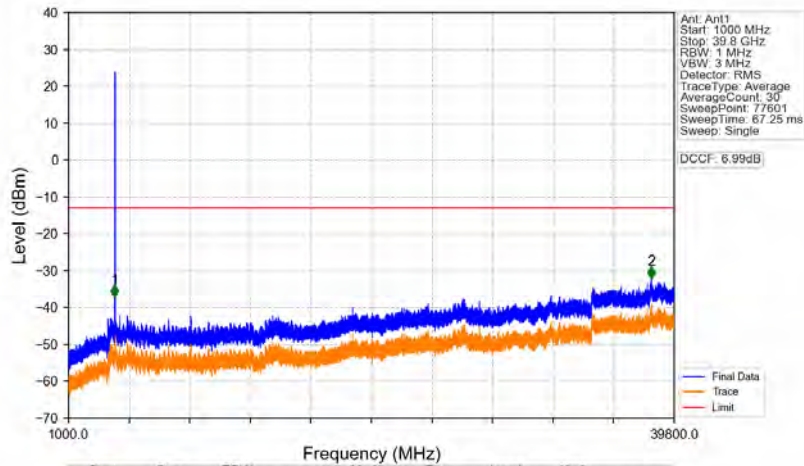
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3969.99MHz_Edge_1RB_Right



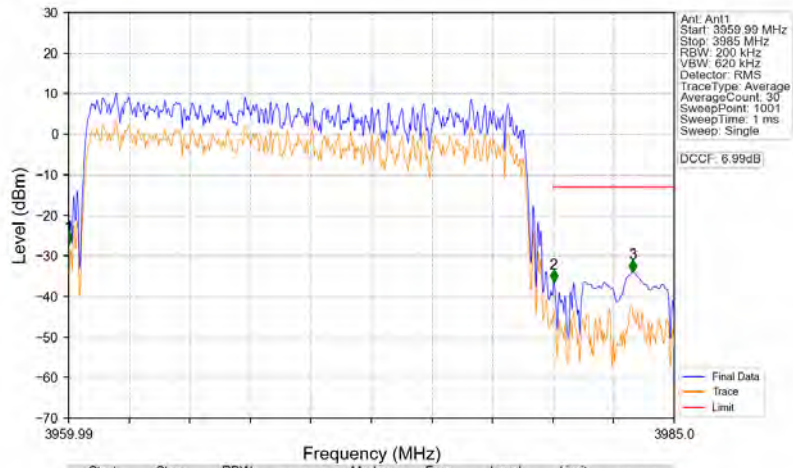
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3969.99MHz_Edge_1RB_Right



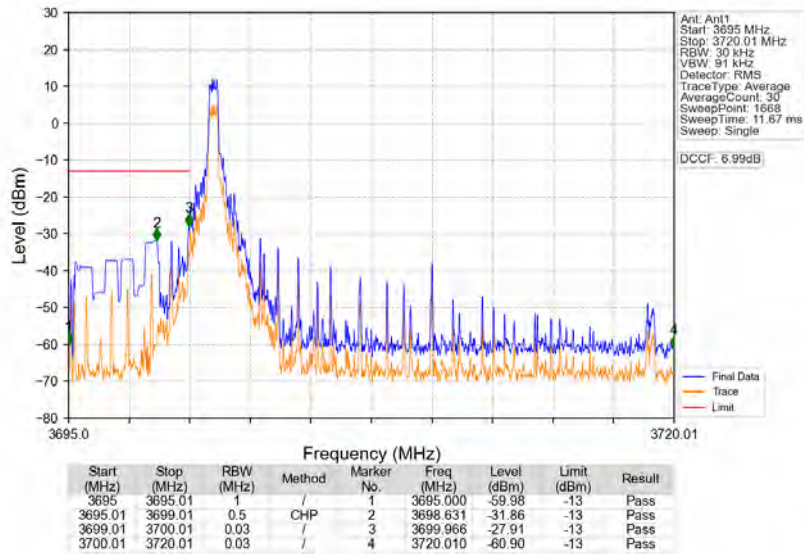
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3969.99MHz_Edge_1RB_Right



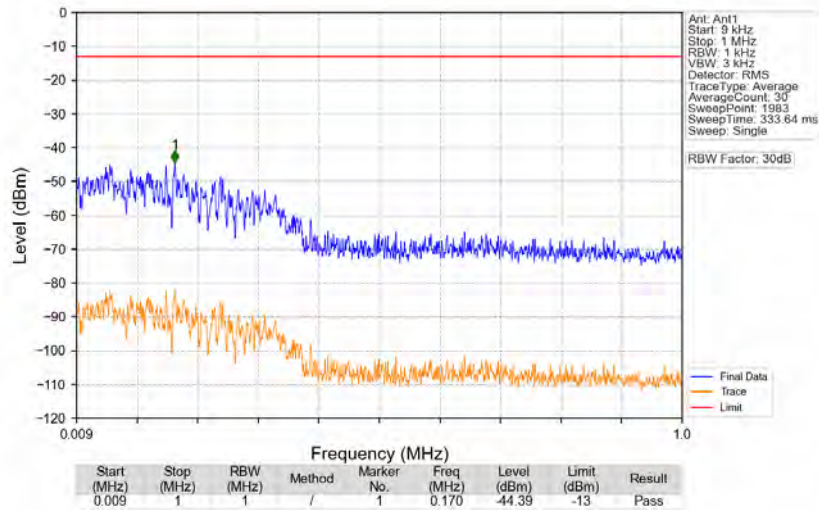
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3969.99MHz_Outer_Full



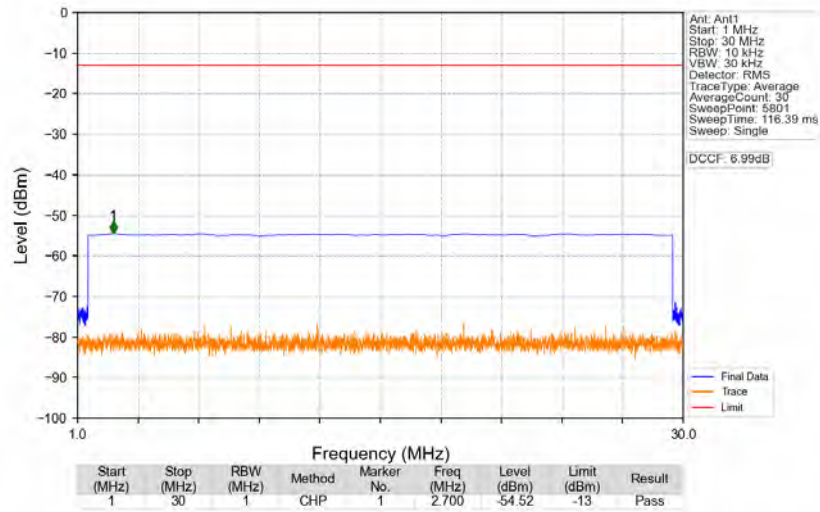
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left



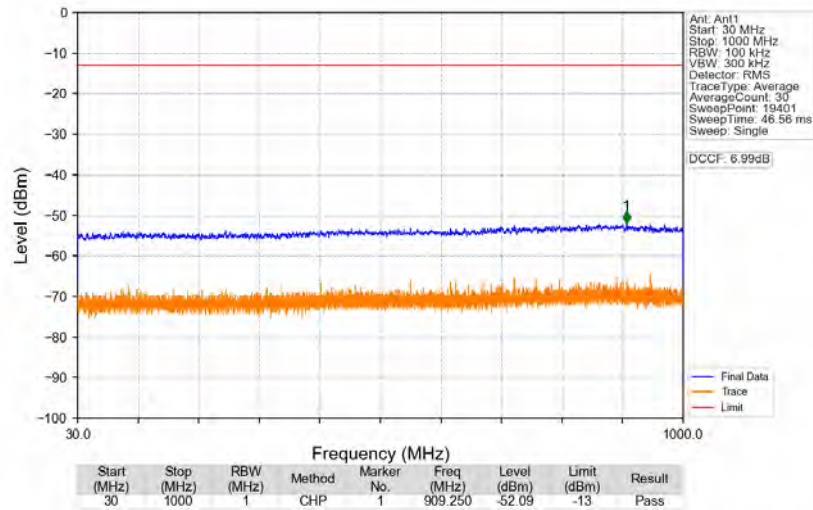
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left



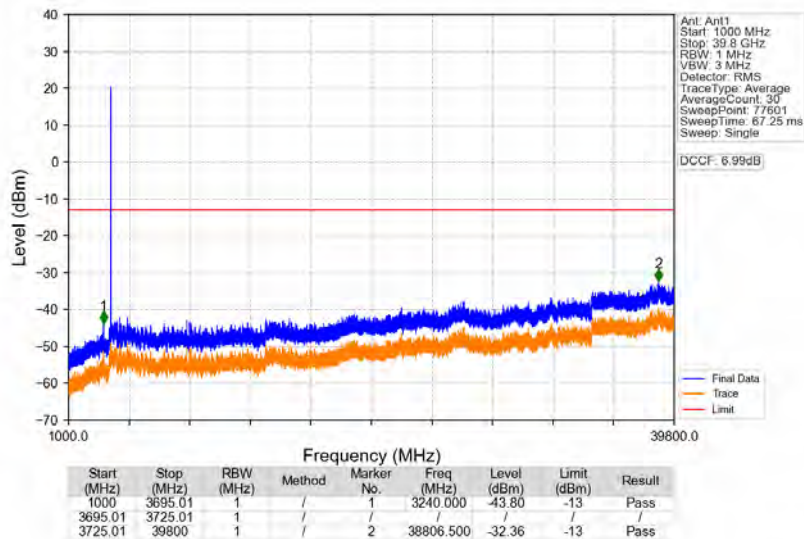
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left



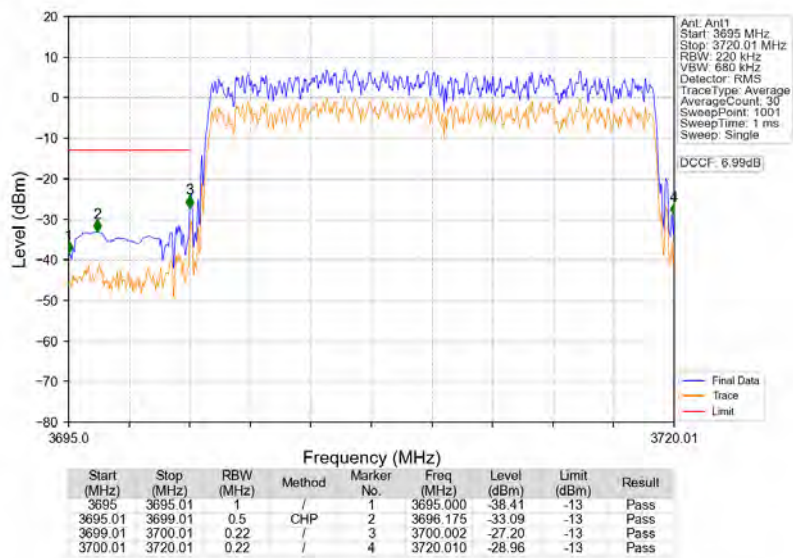
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left



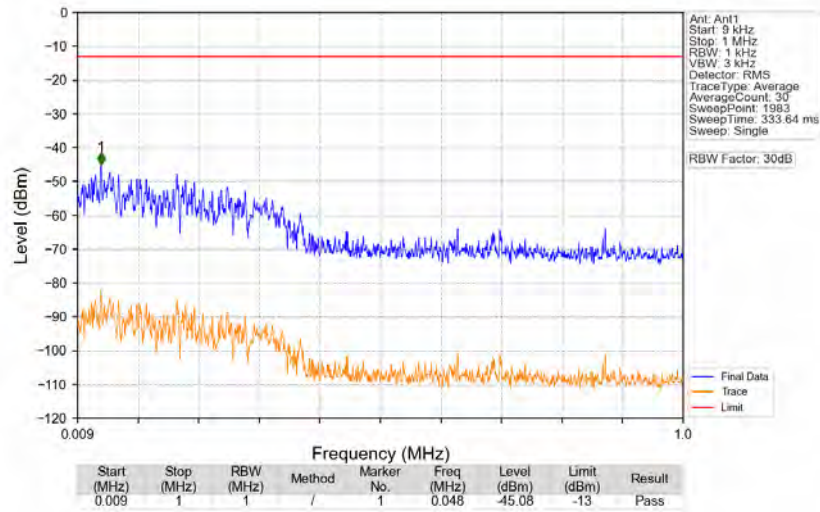
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left



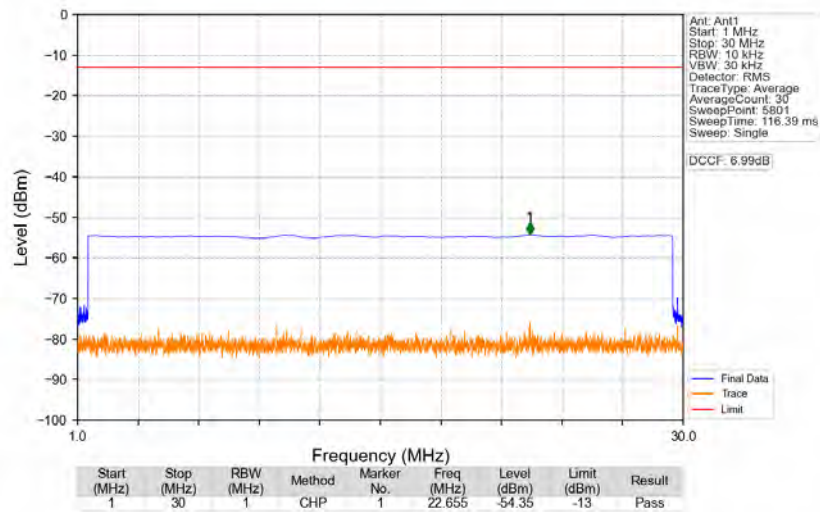
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Outer_Full



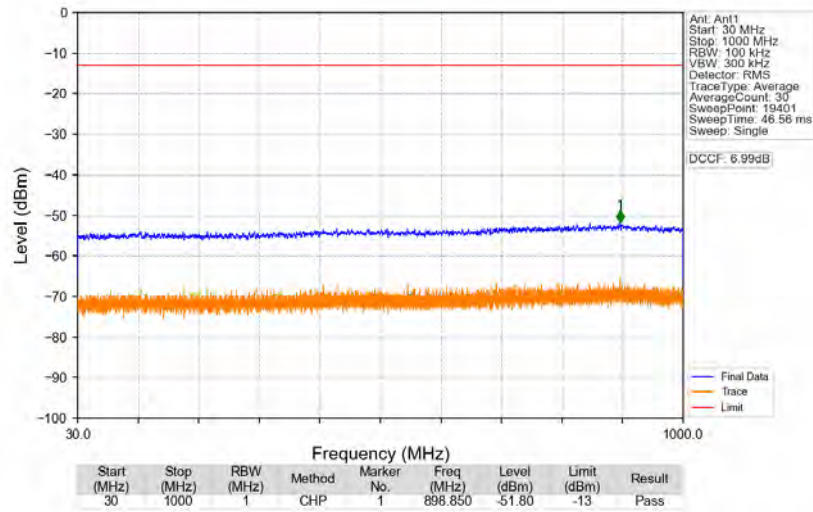
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3840MHz_Edge_1RB_Left



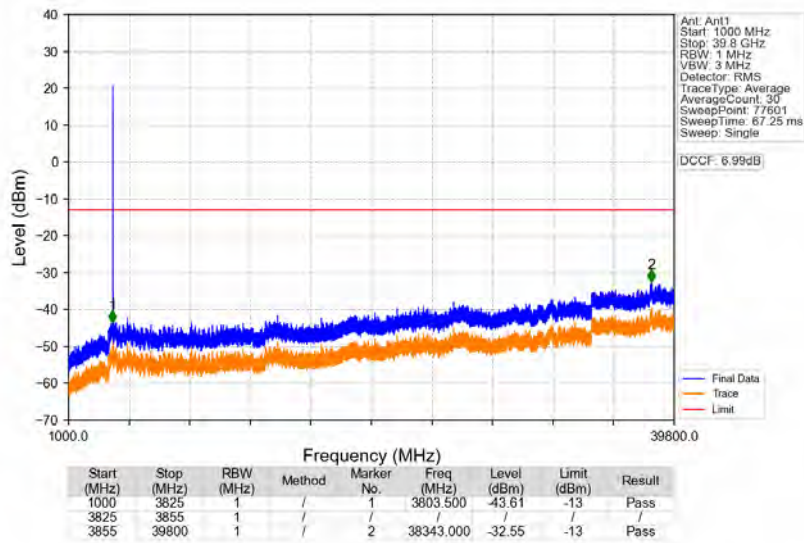
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3840MHz_Edge_1RB_Left



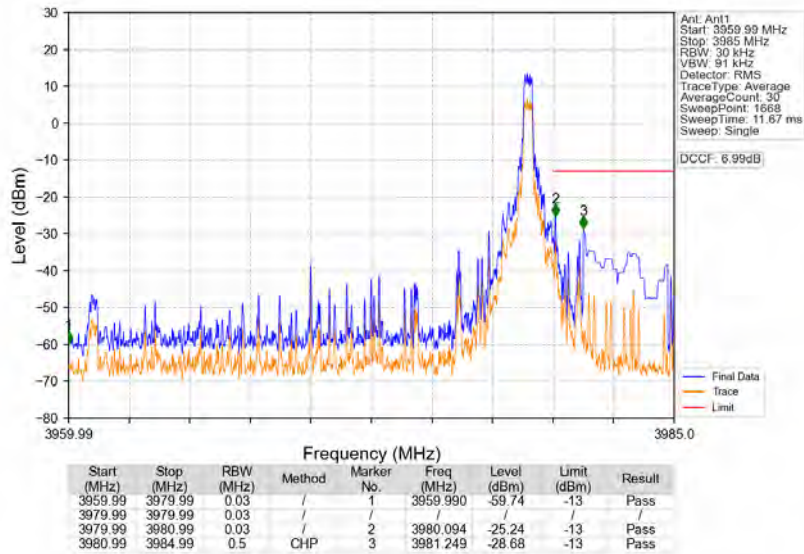
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3840MHz_Edge_1RB_Left



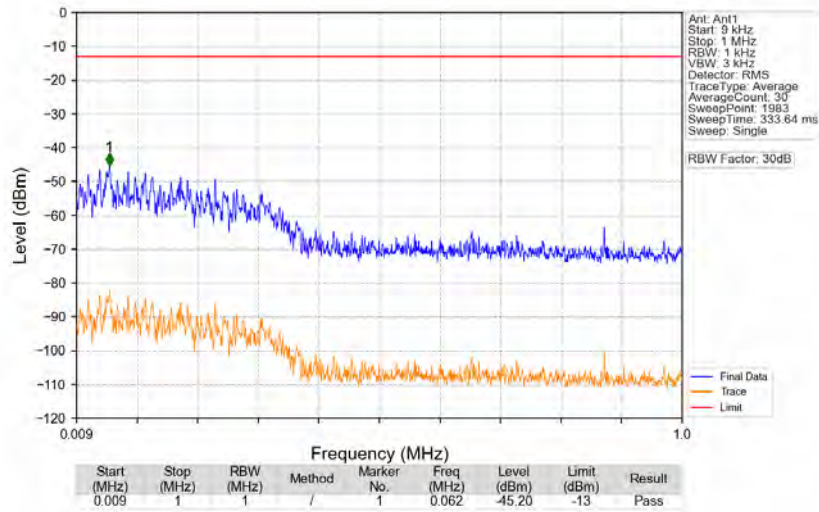
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3840MHz_Edge_1RB_Left



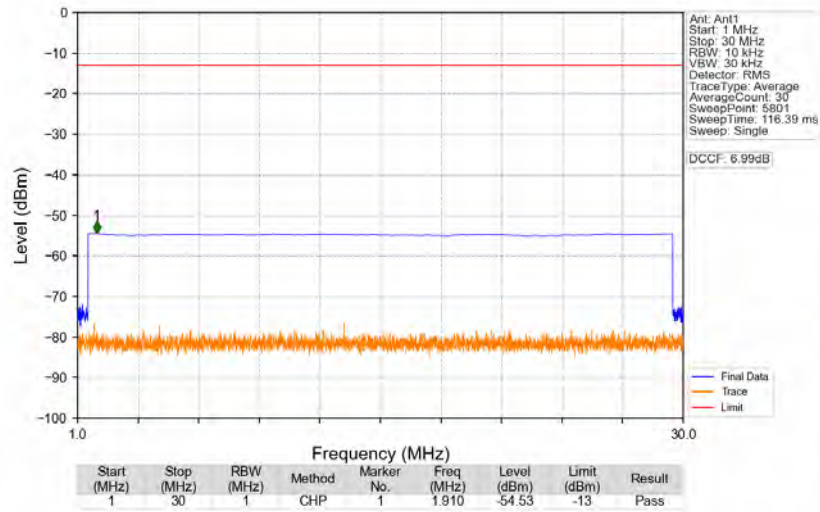
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right



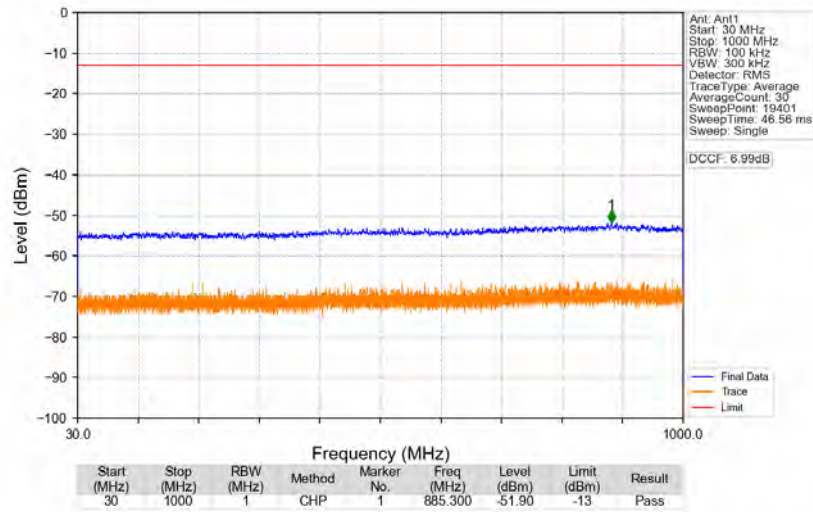
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right



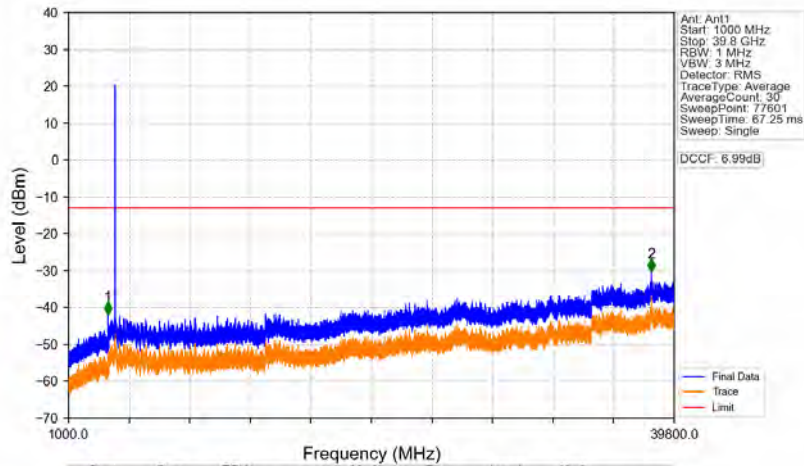
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right



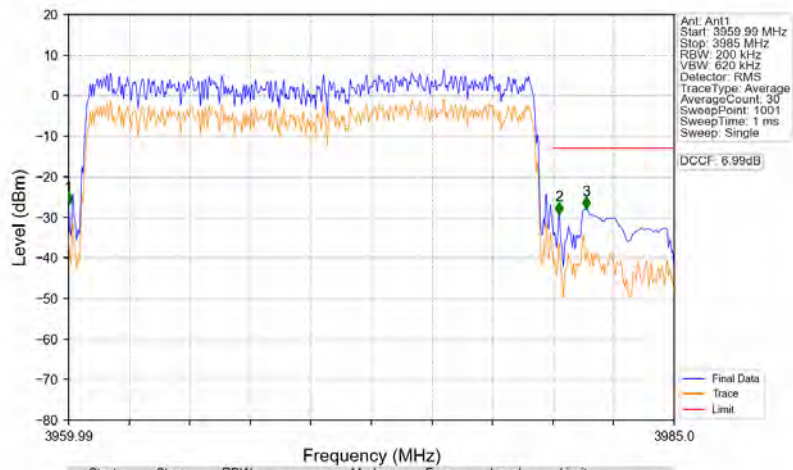
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right



n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right

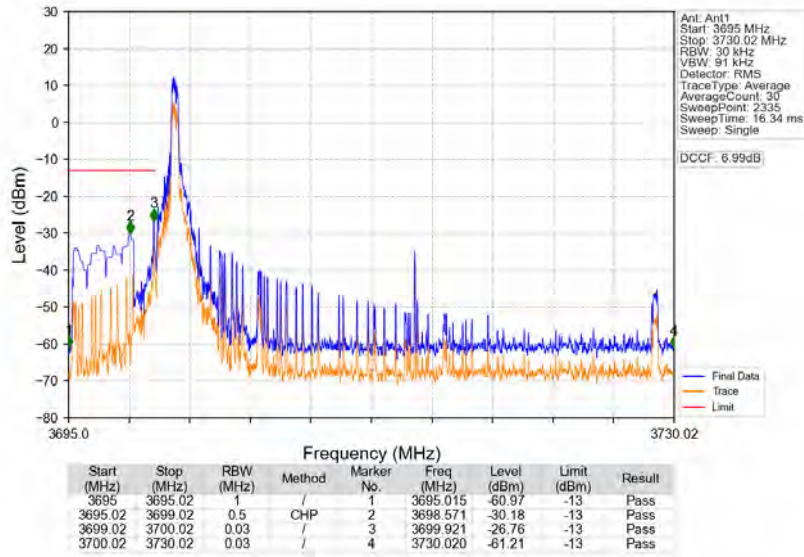


n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Outer_Full



5.2.2 30k_SISO_30MHz_NTNV

n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3715.02MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3715.02MHz_Edge_1RB_Left

