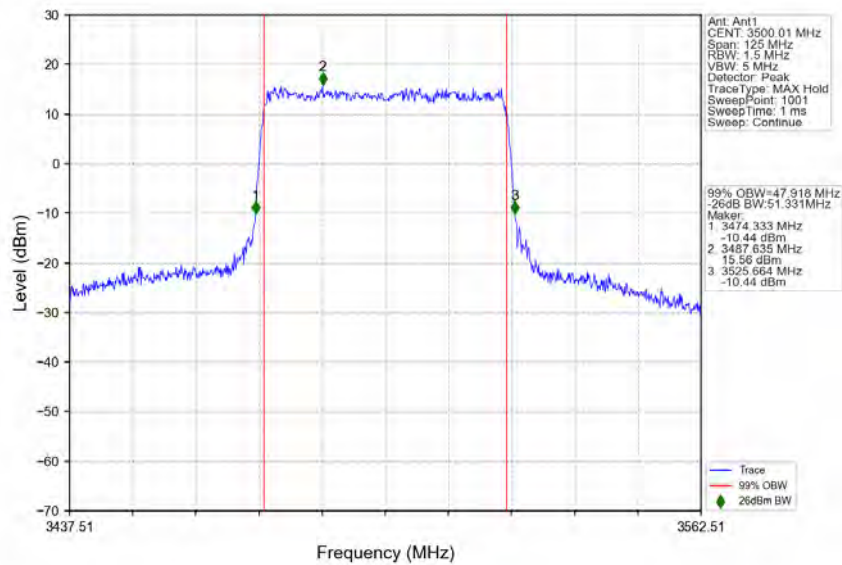
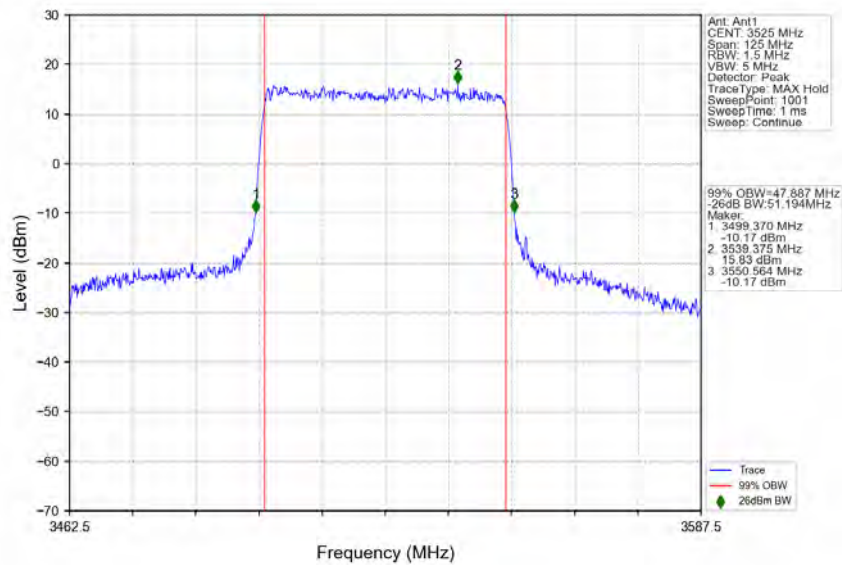


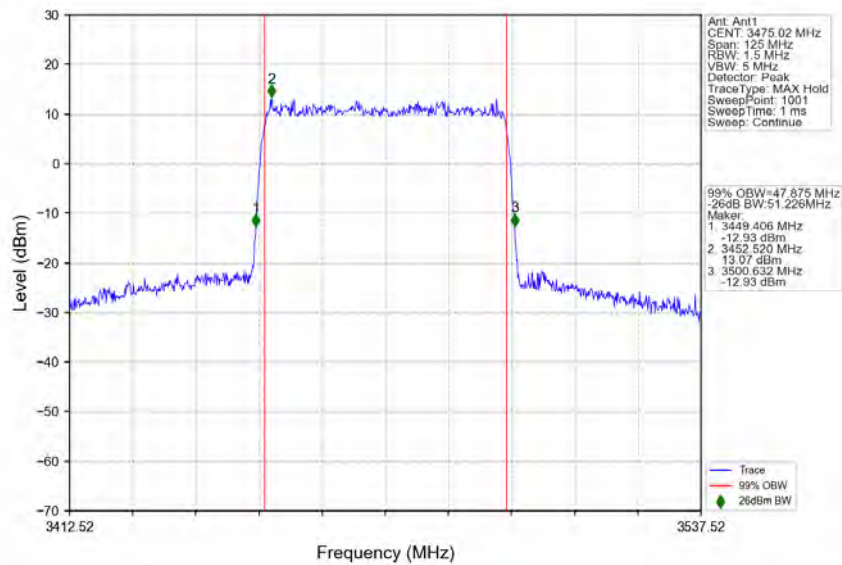
n77d_30kHz_SISO_NTNV_50MHz_CP-OFDM_64_QAM_3500.01MHz_Outer_Full



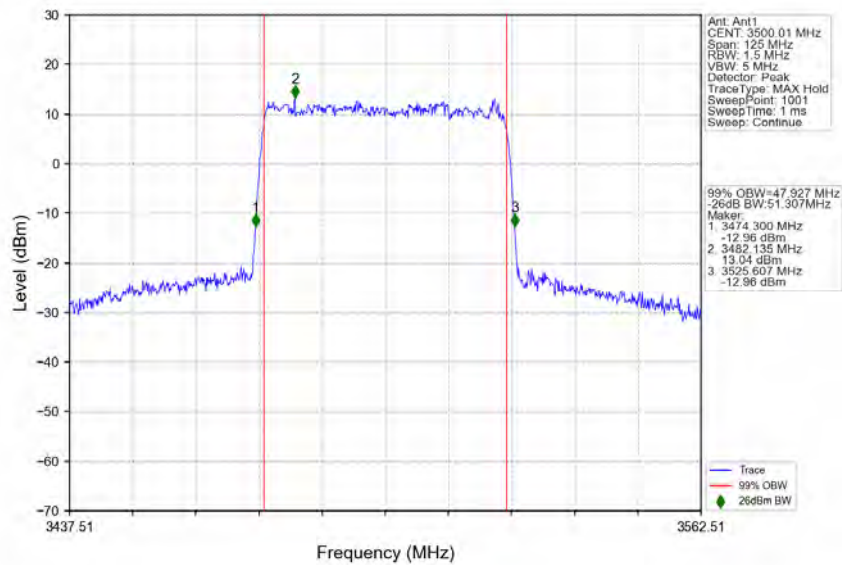
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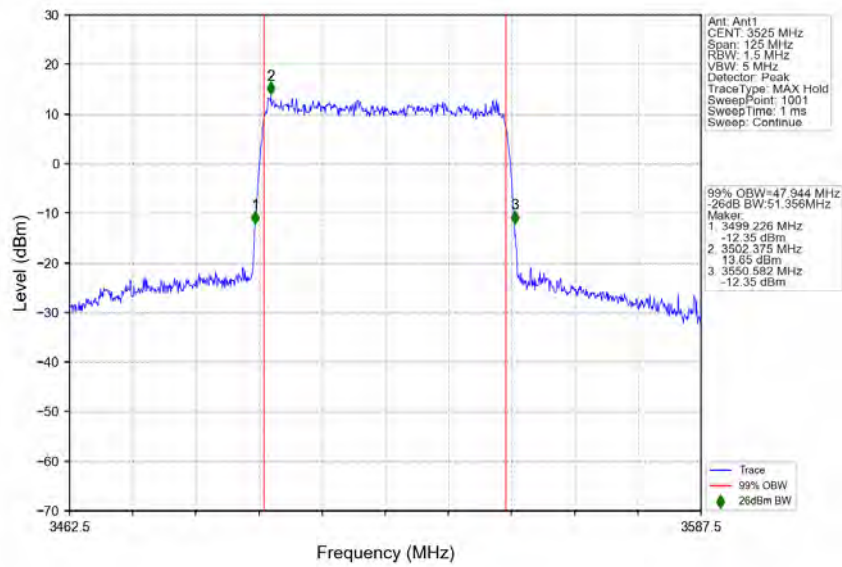
n77d 30kHz SISO NTN 50MHz CP-OFDM 256 QAM 3475.02MHz Outer Full



n77d 30kHz SISO NTN 50MHz CP-OFDM 256 QAM 3500.01MHz Outer Full

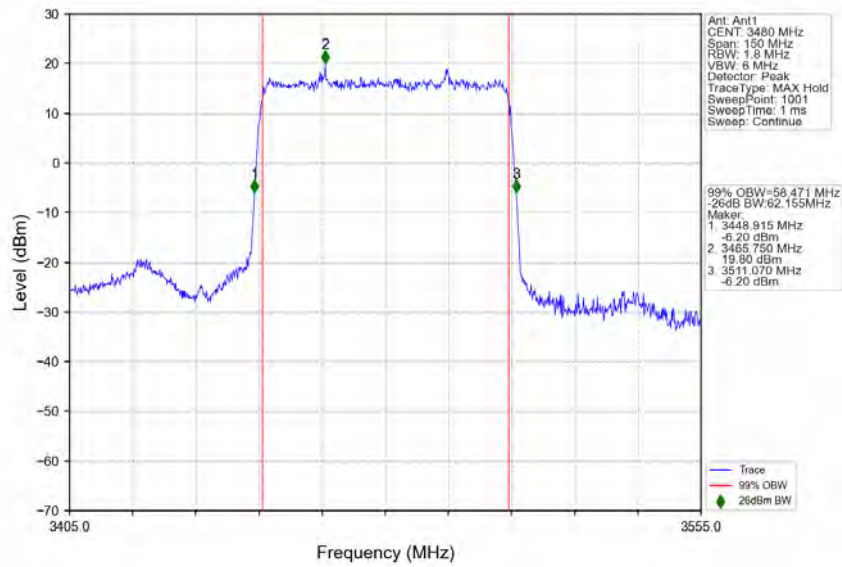


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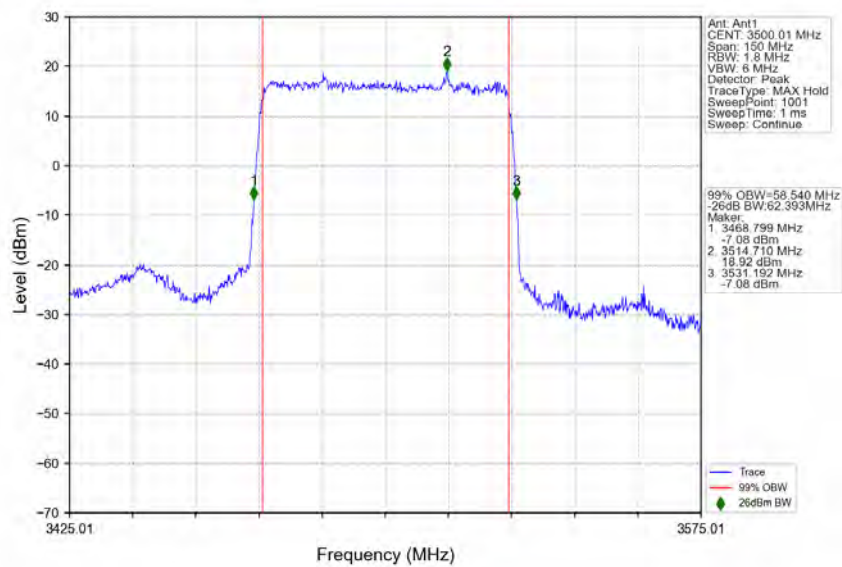


3.2.5 30k_SISO_60MHz_NTNV

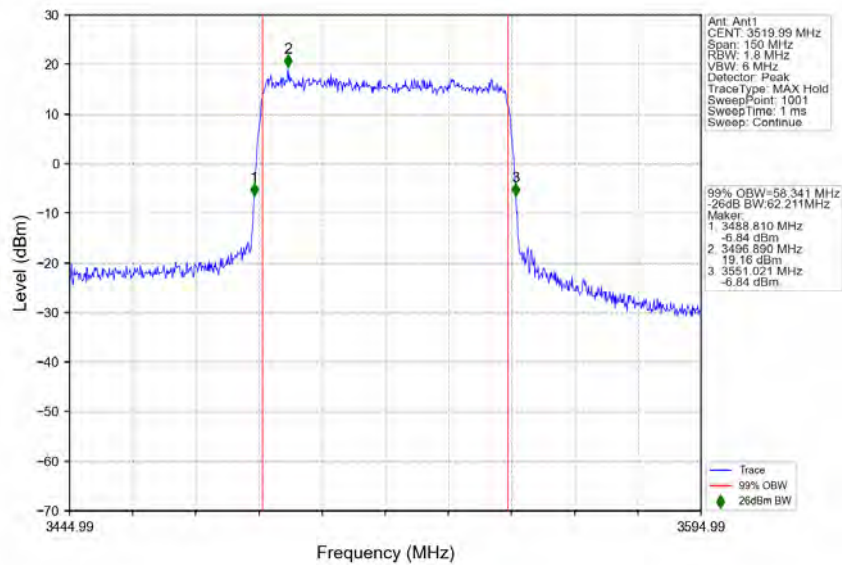
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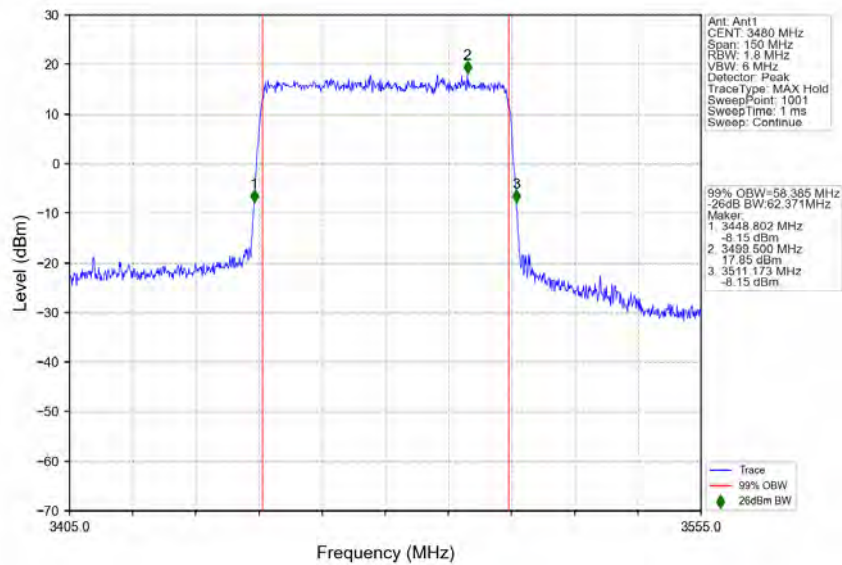
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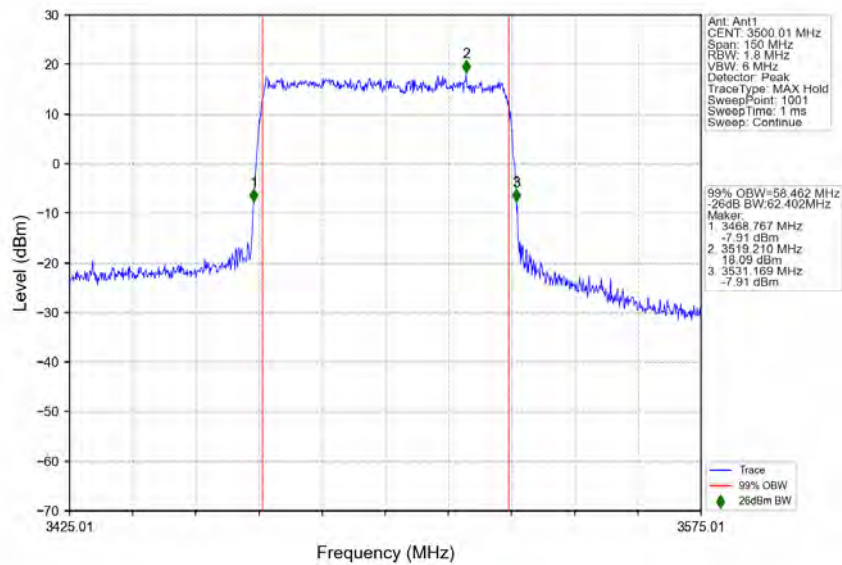
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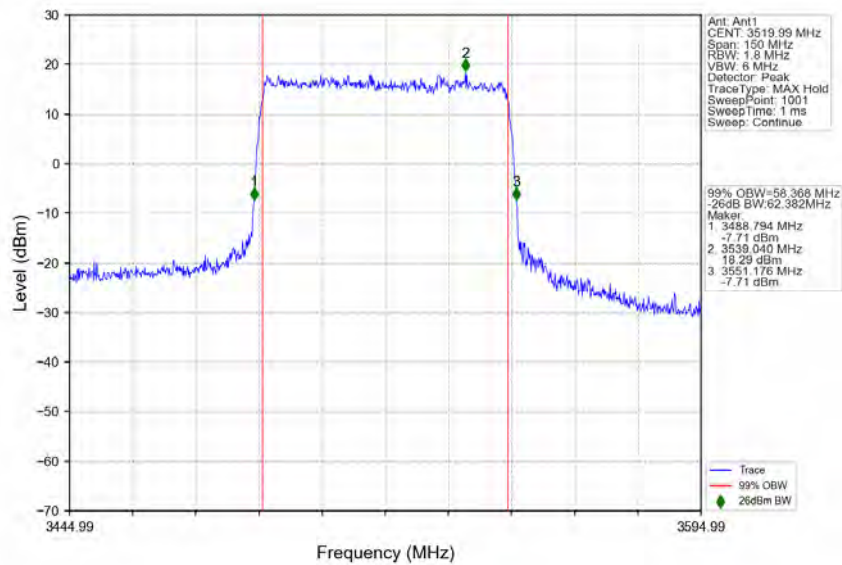
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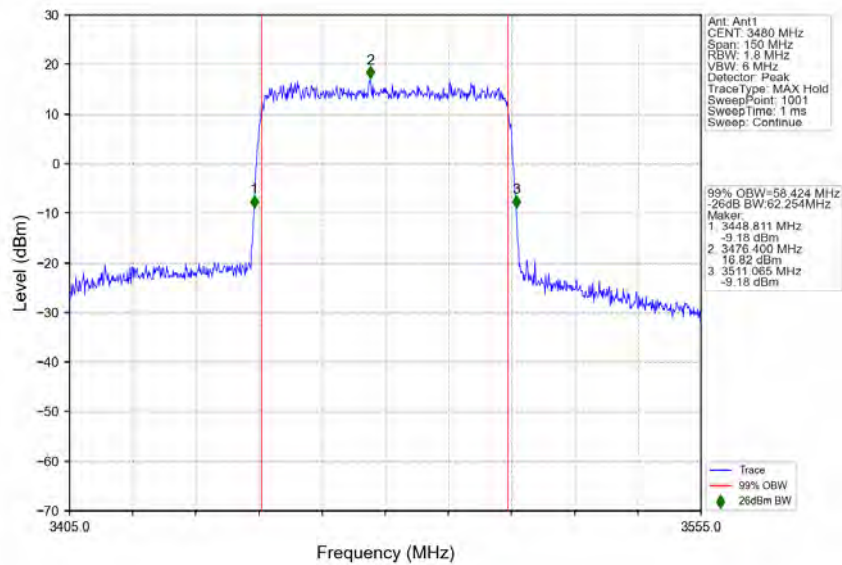
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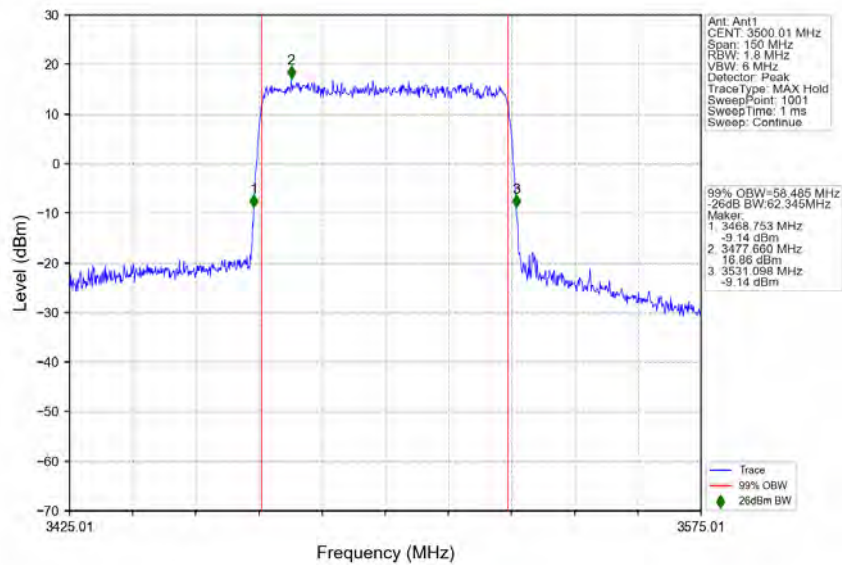
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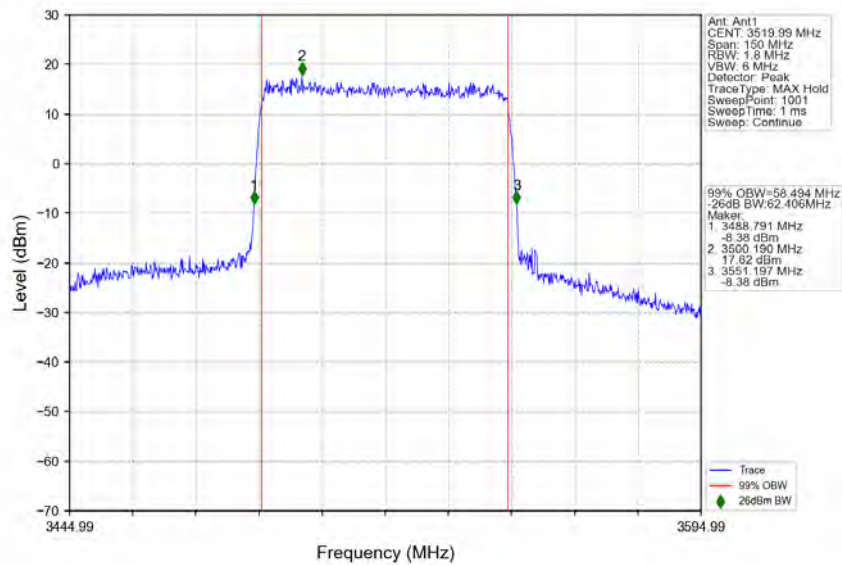
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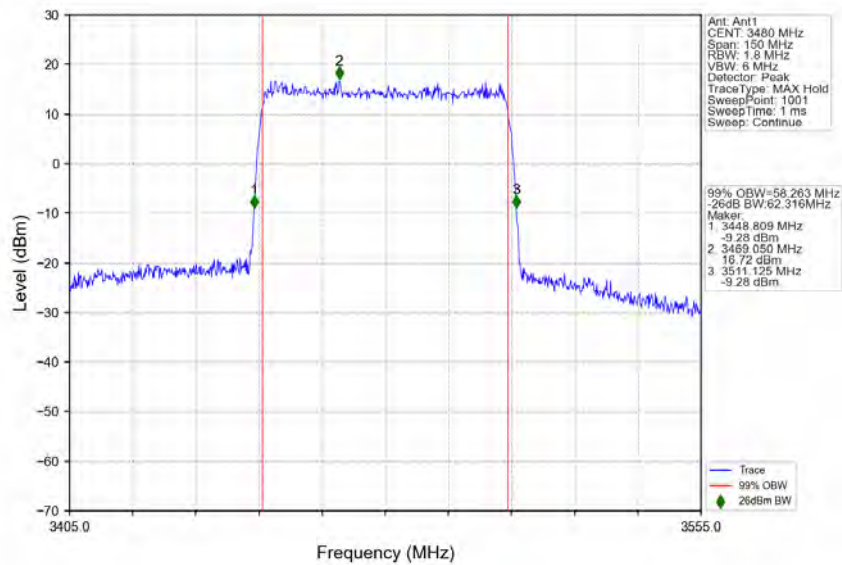
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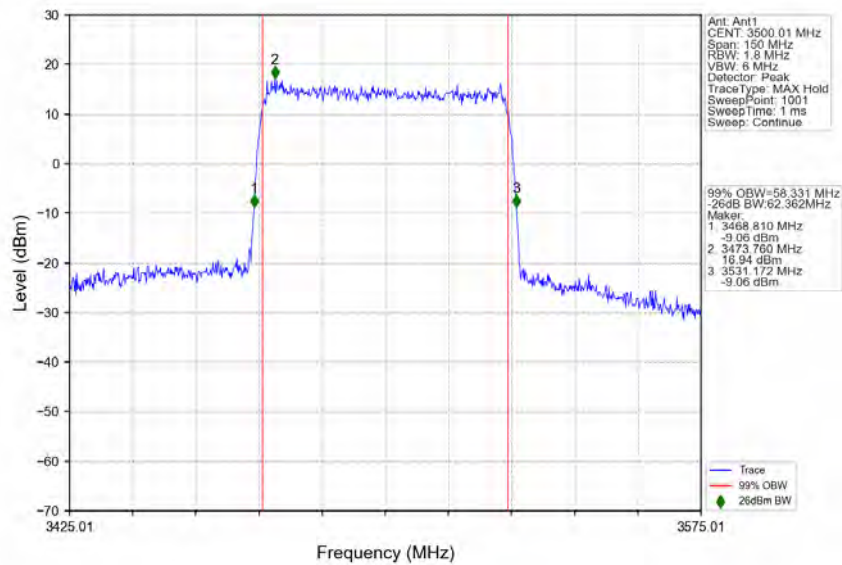
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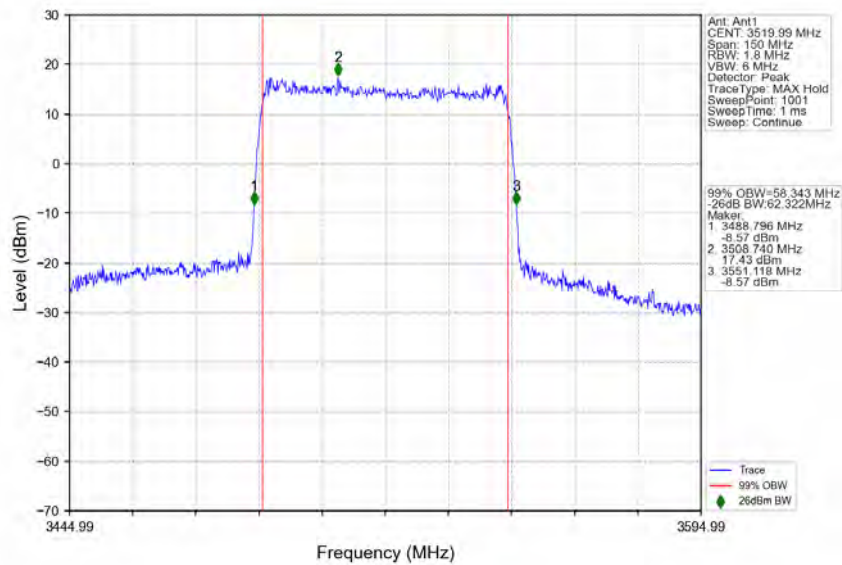
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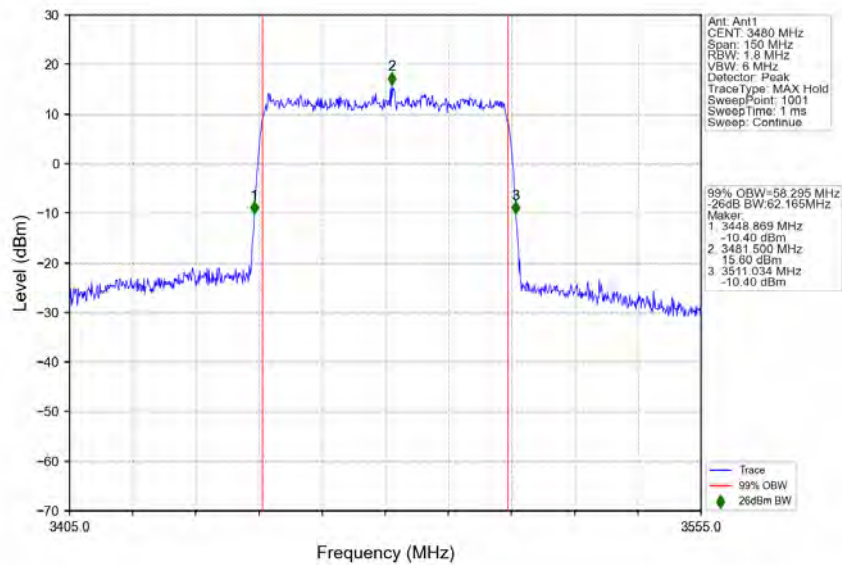
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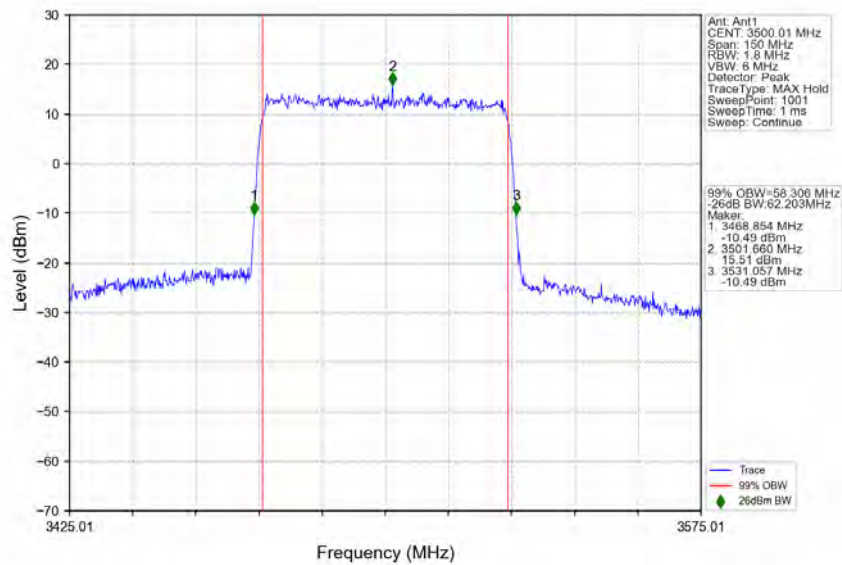
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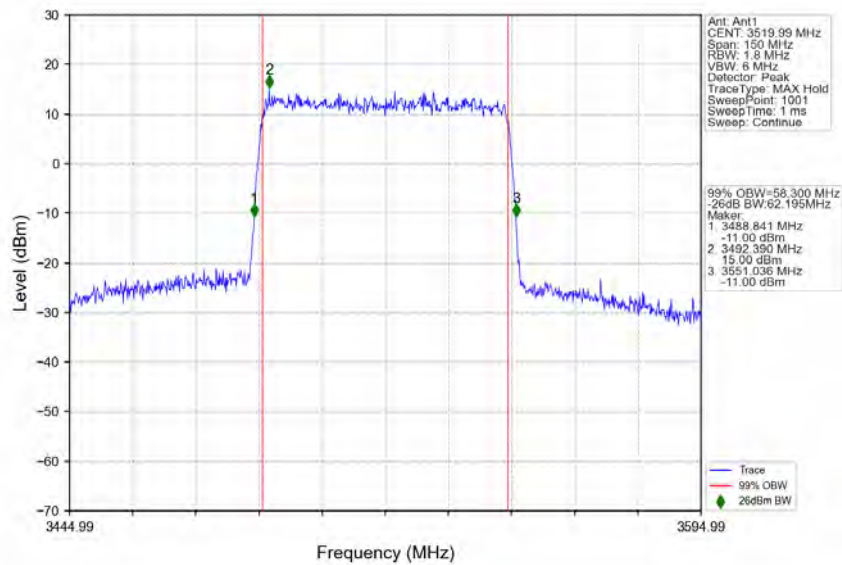
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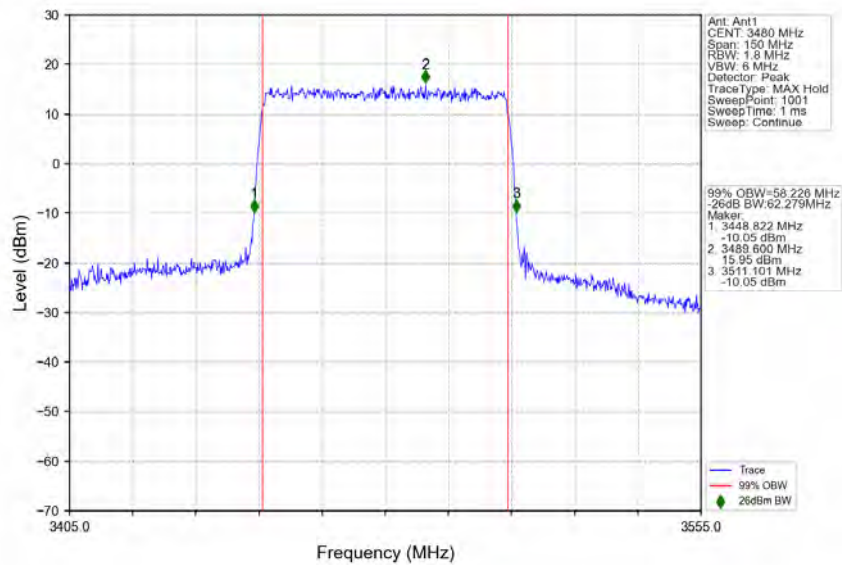
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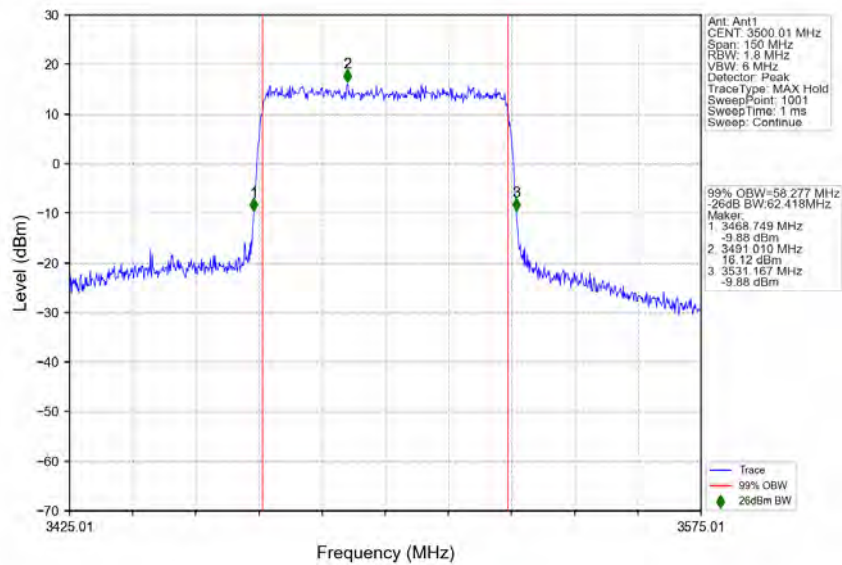
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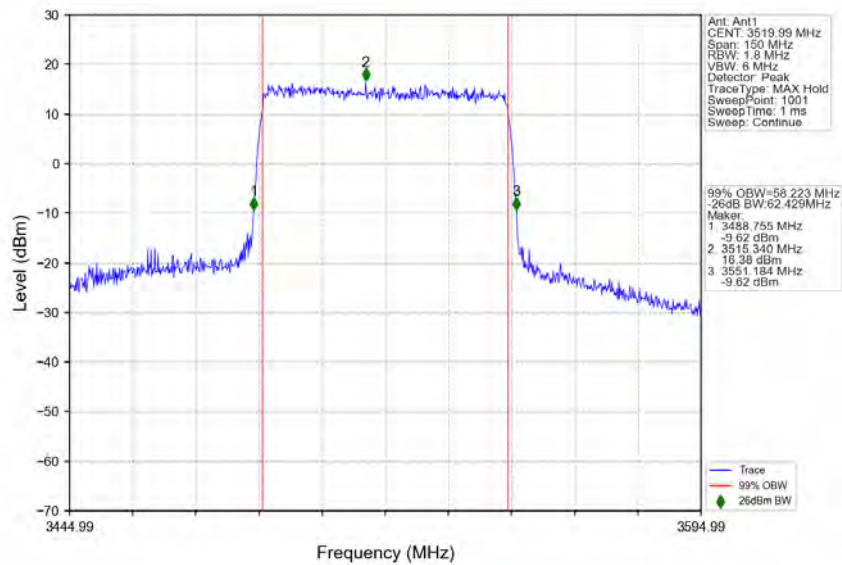
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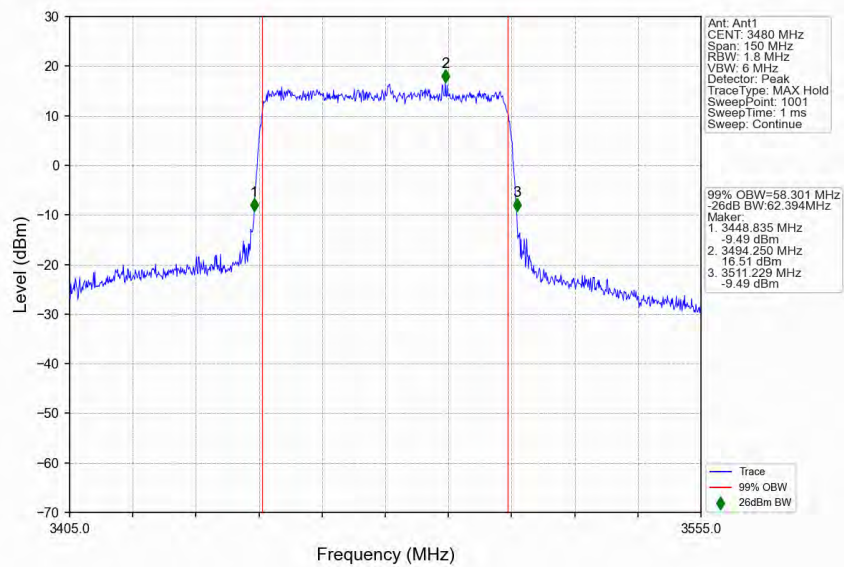
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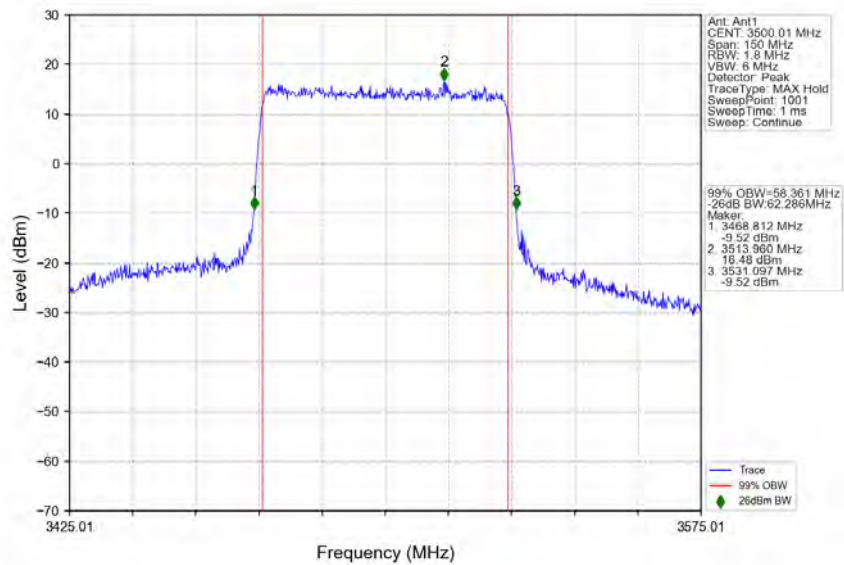
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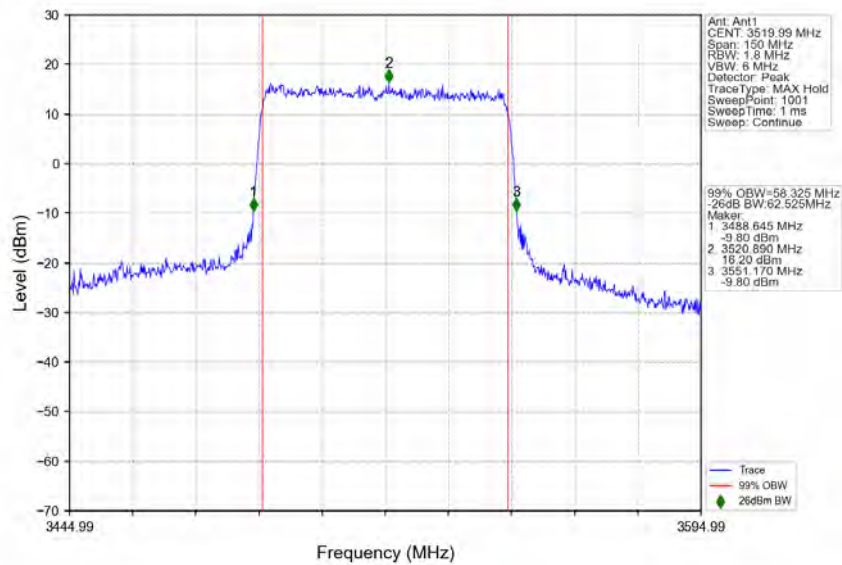
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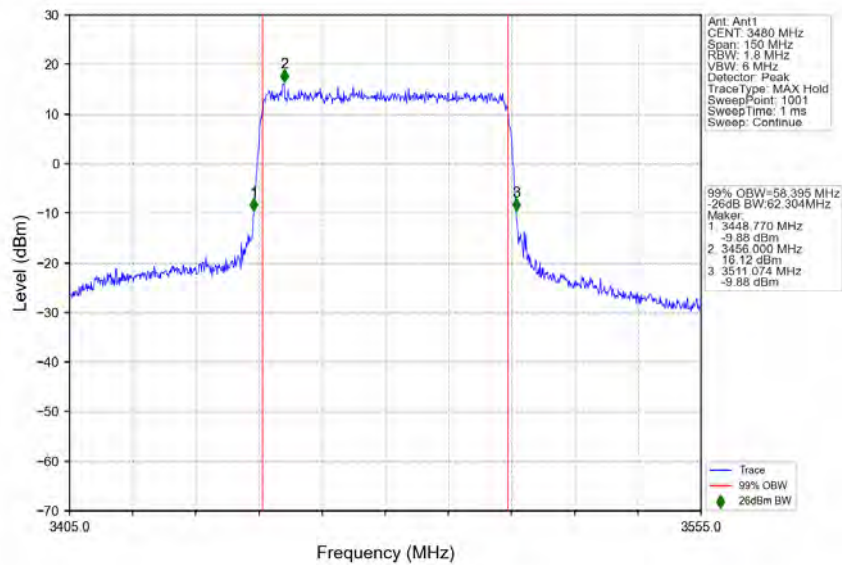
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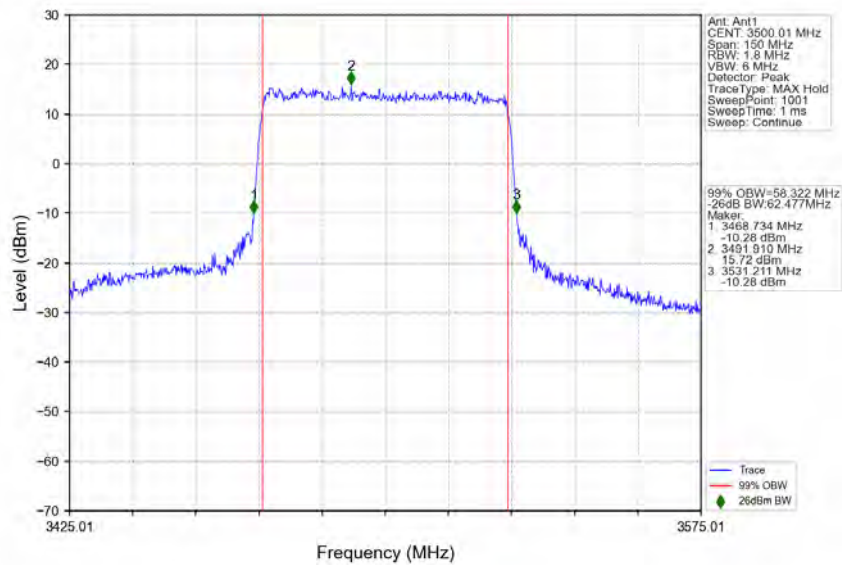
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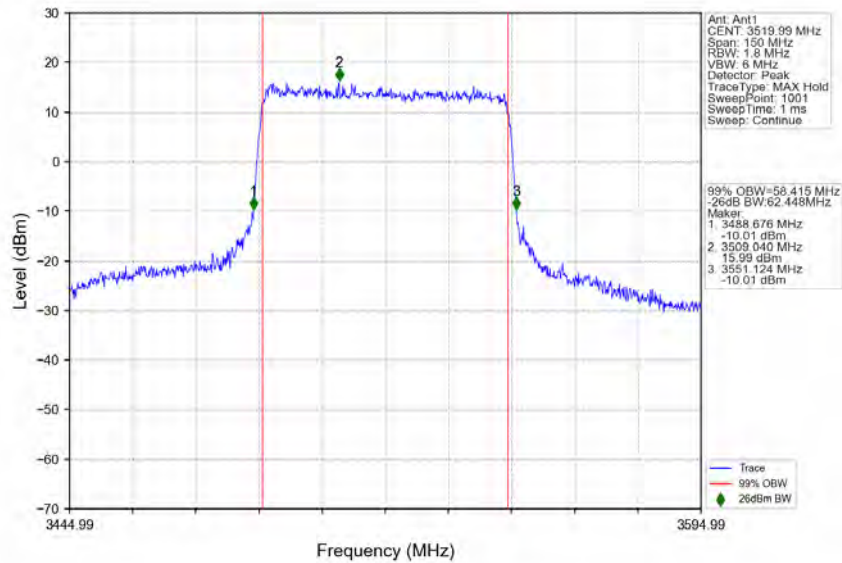
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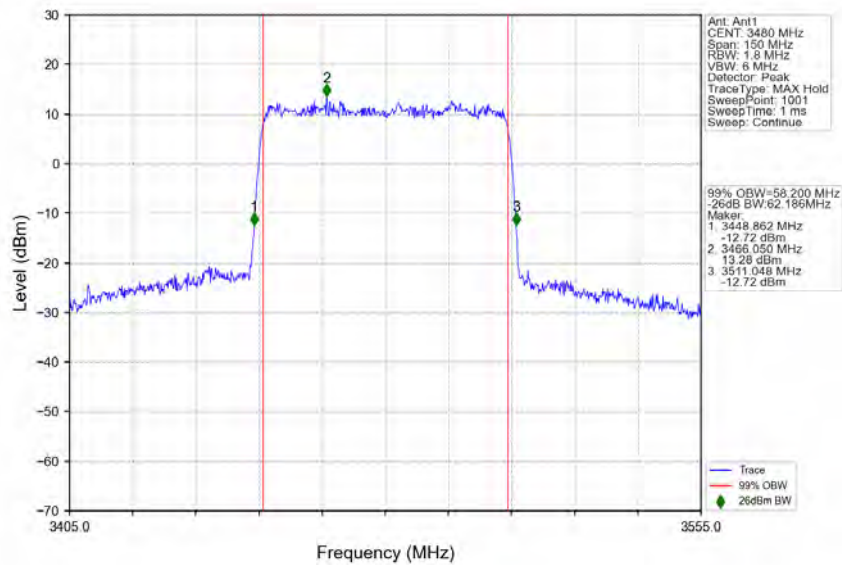
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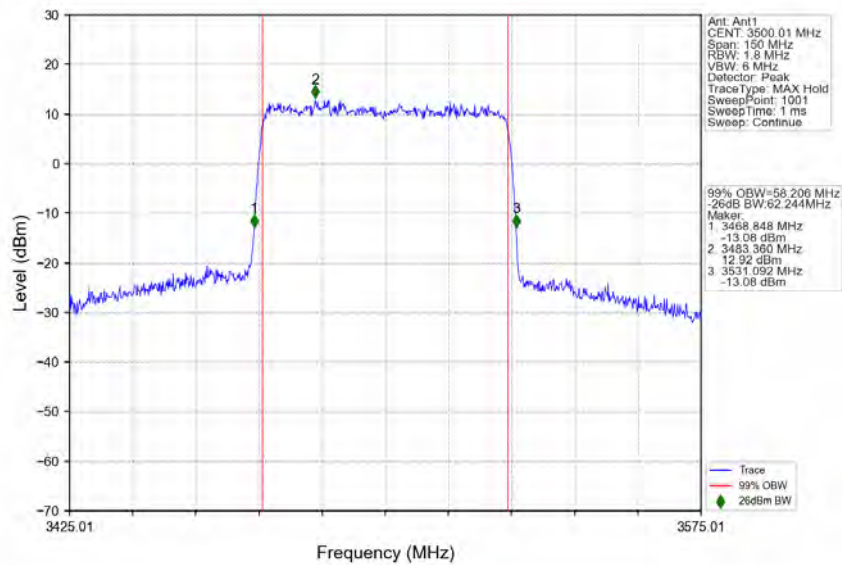
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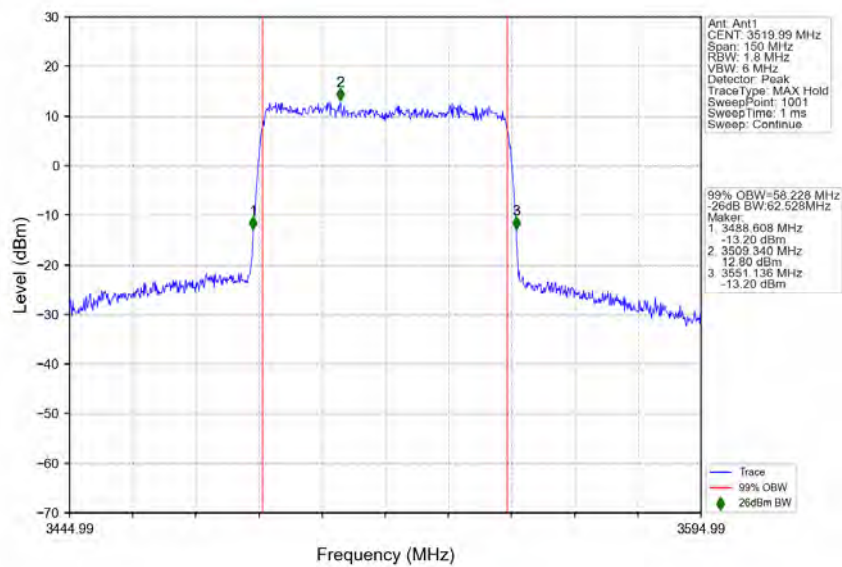
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n77d_30kHz_SISO_NTNV_60MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full

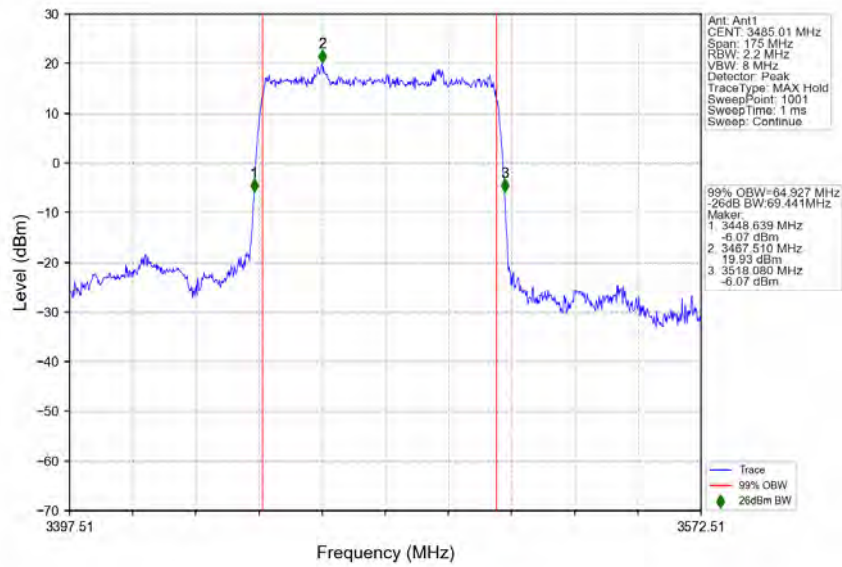


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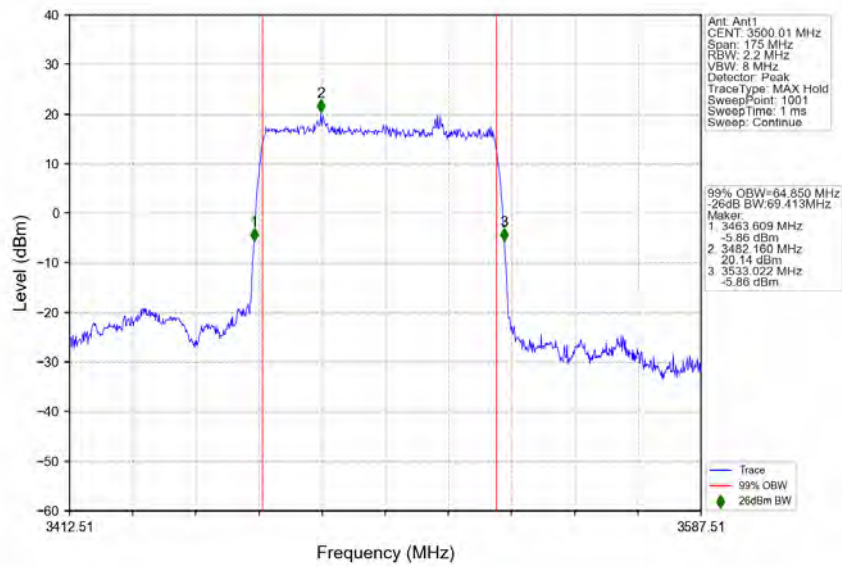


3.2.6 30k_SISO_70MHz_NTNV

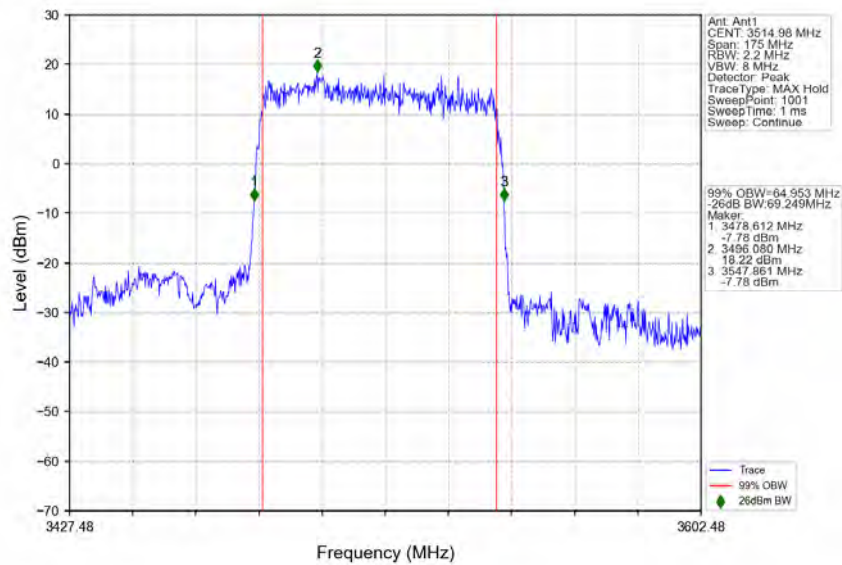
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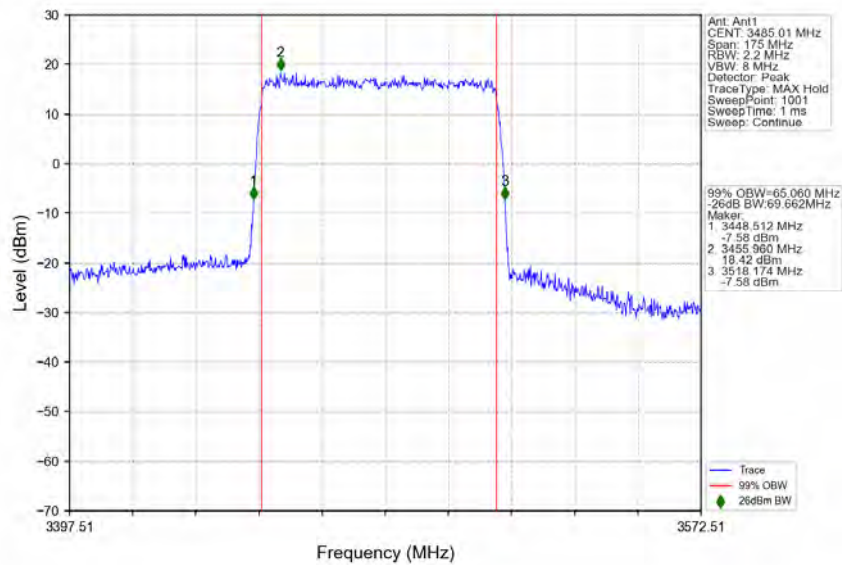
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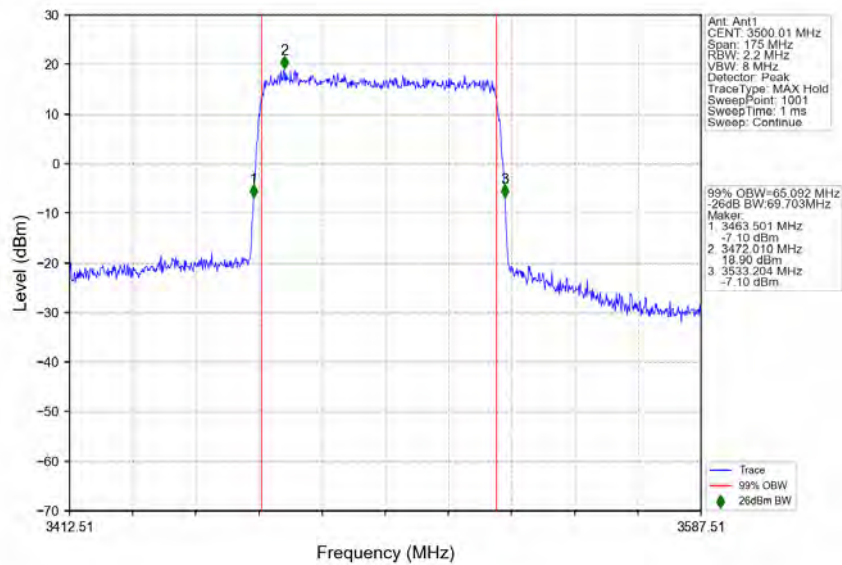
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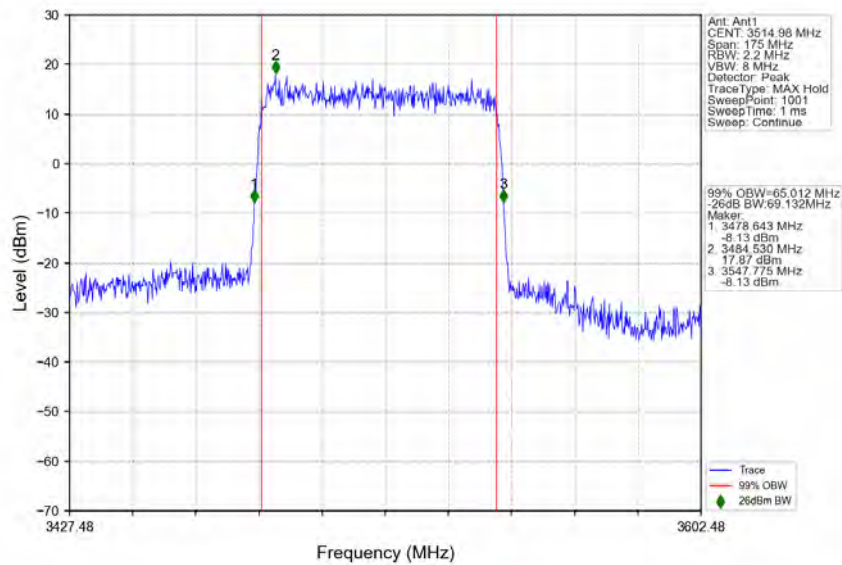
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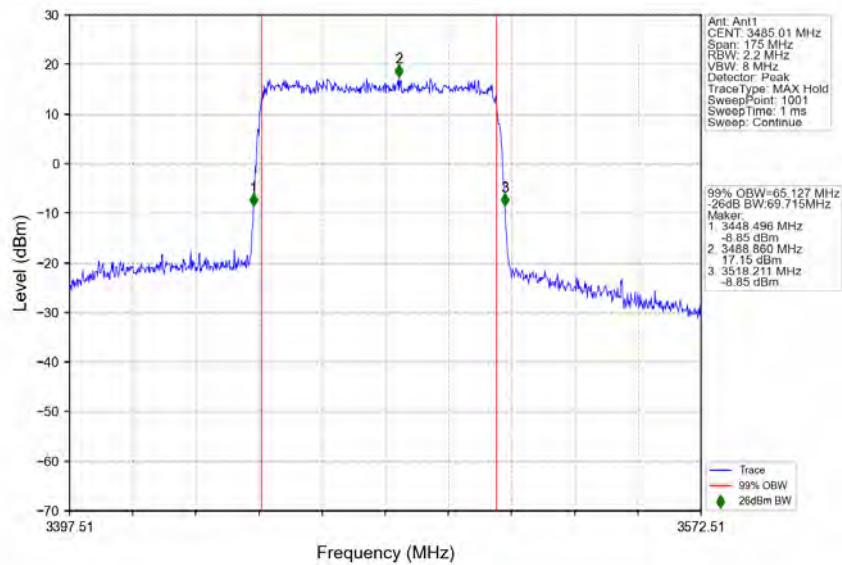
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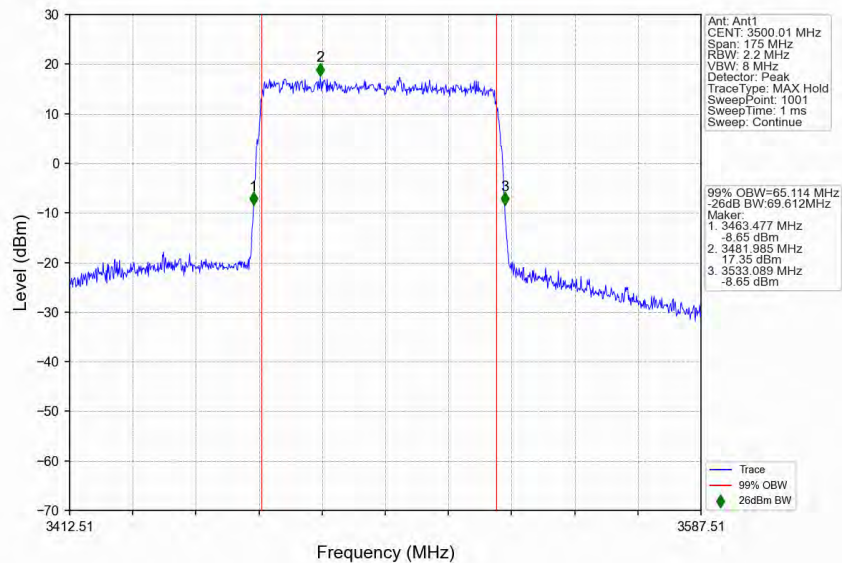
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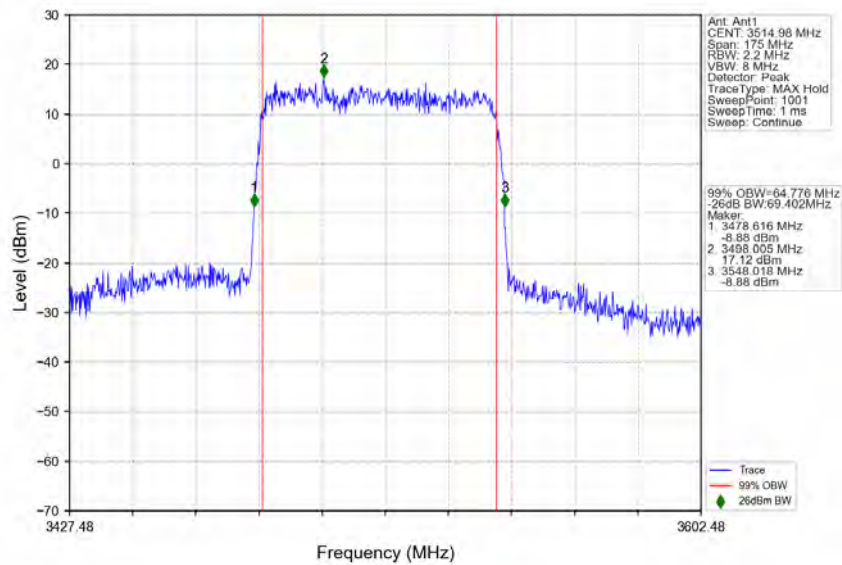
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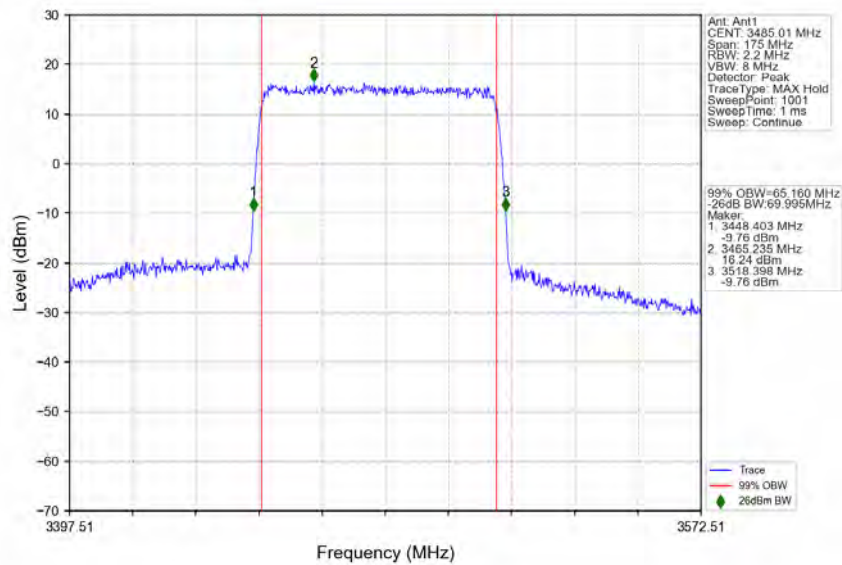
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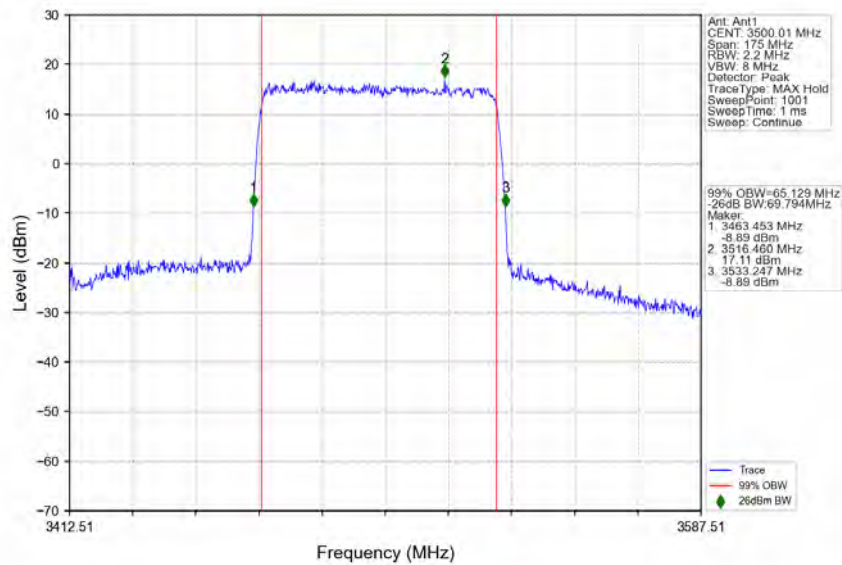
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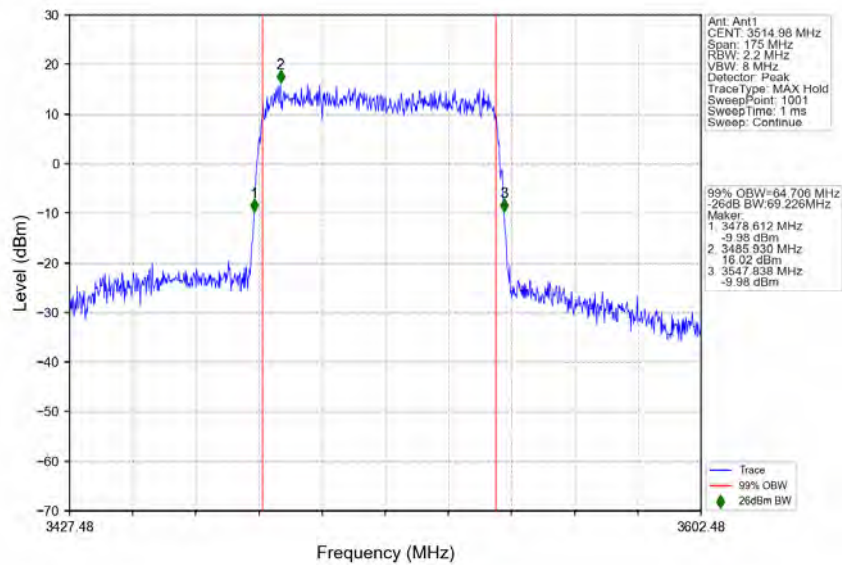
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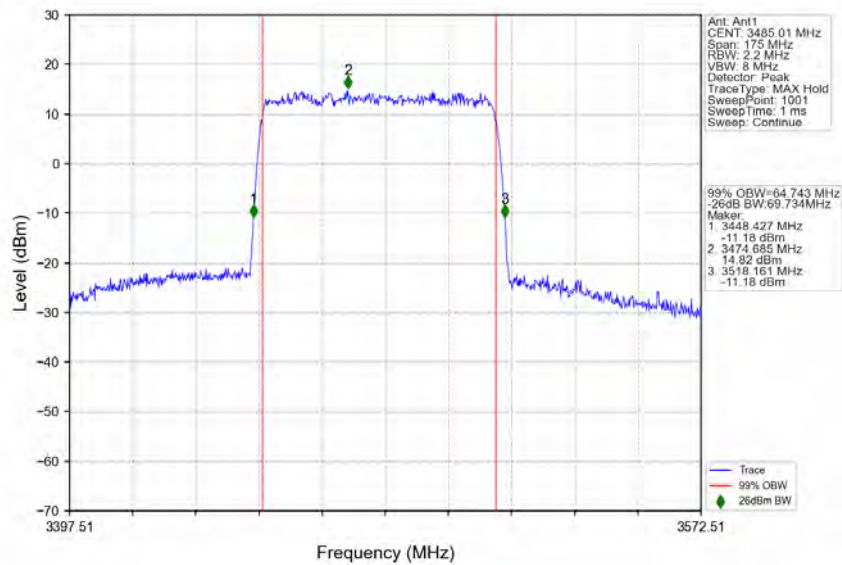
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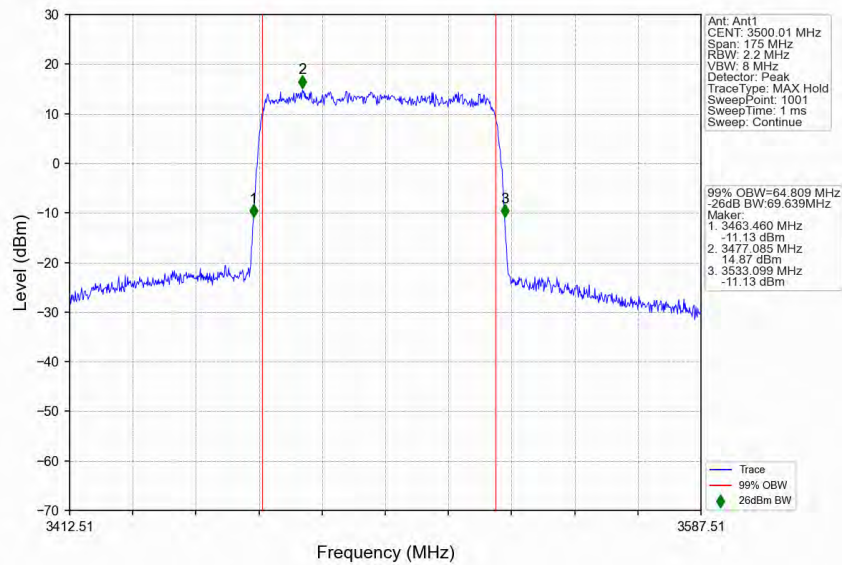
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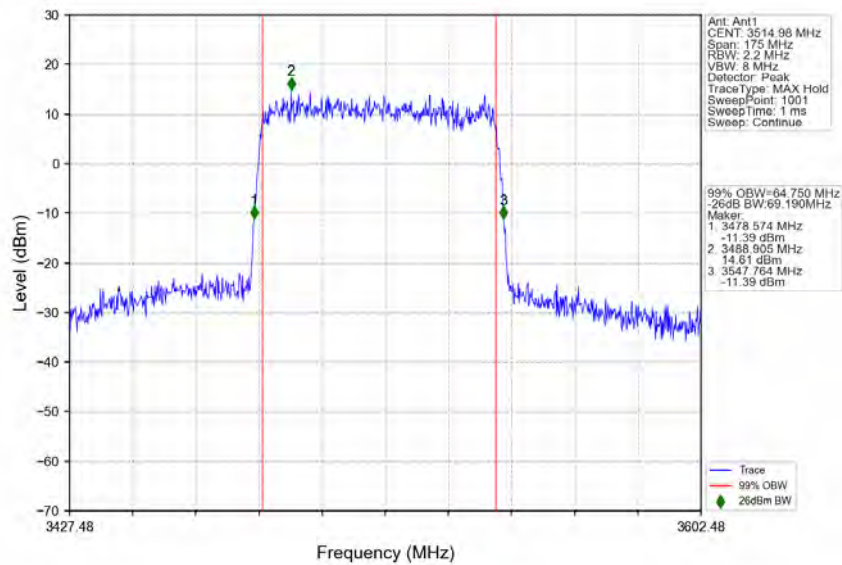
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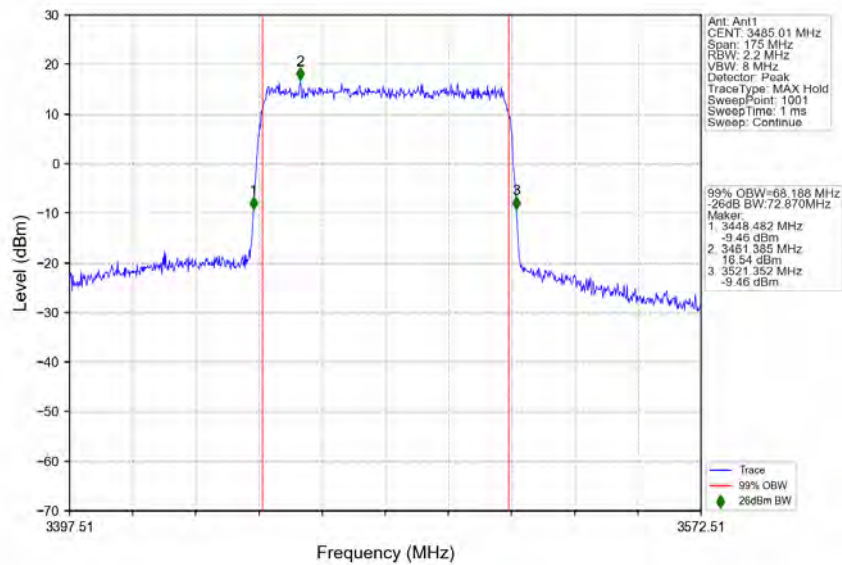
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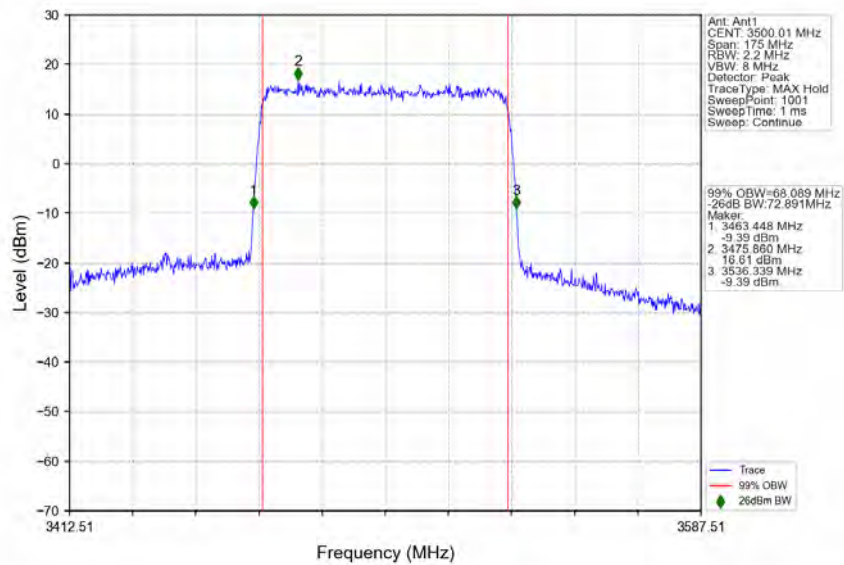
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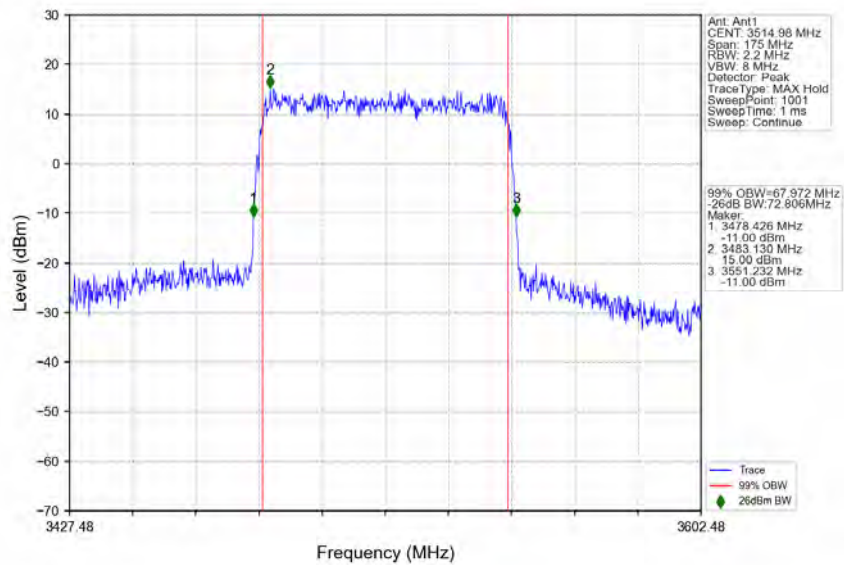
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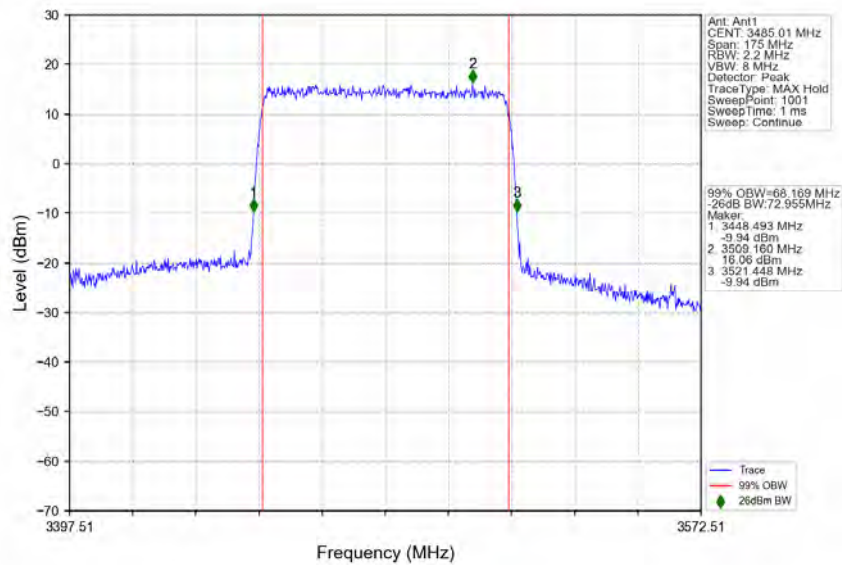
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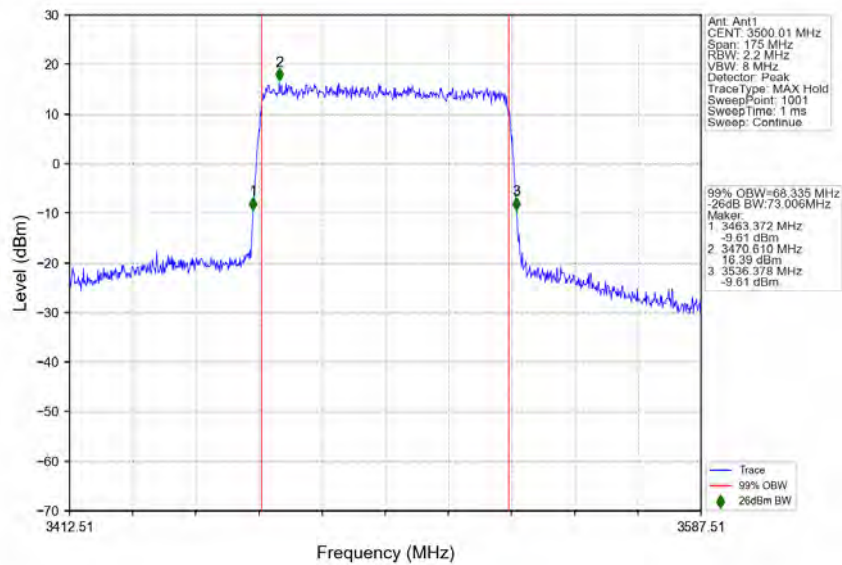
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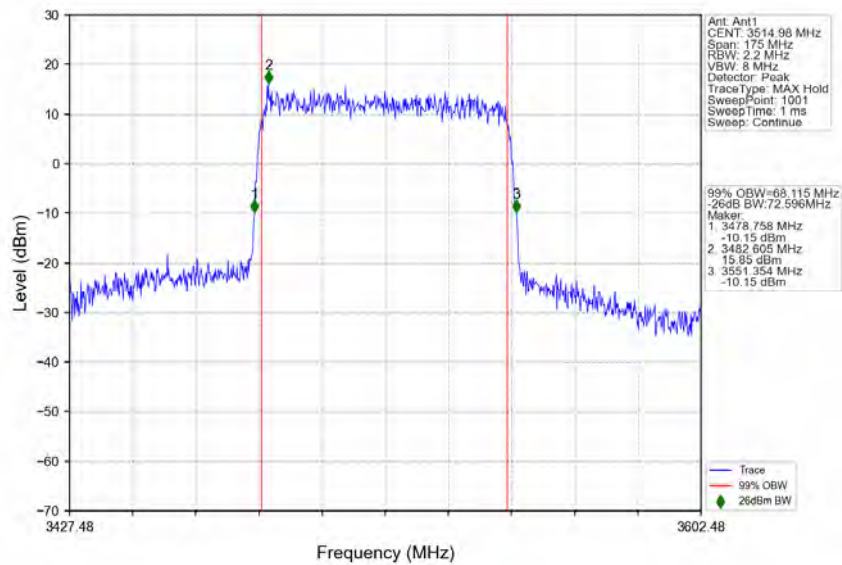
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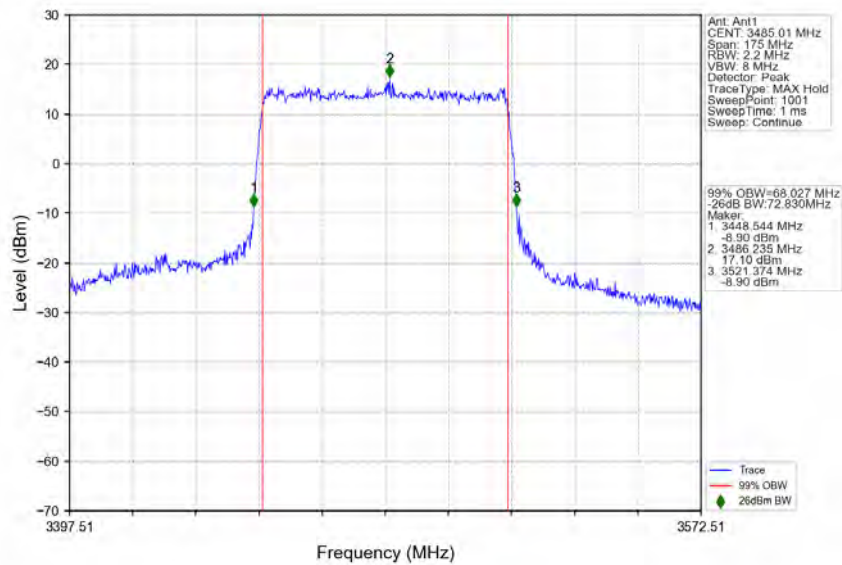
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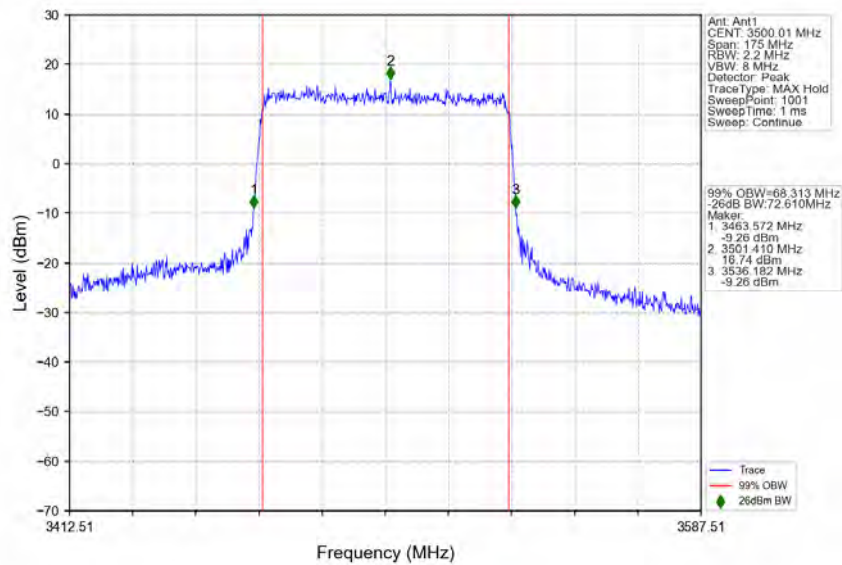
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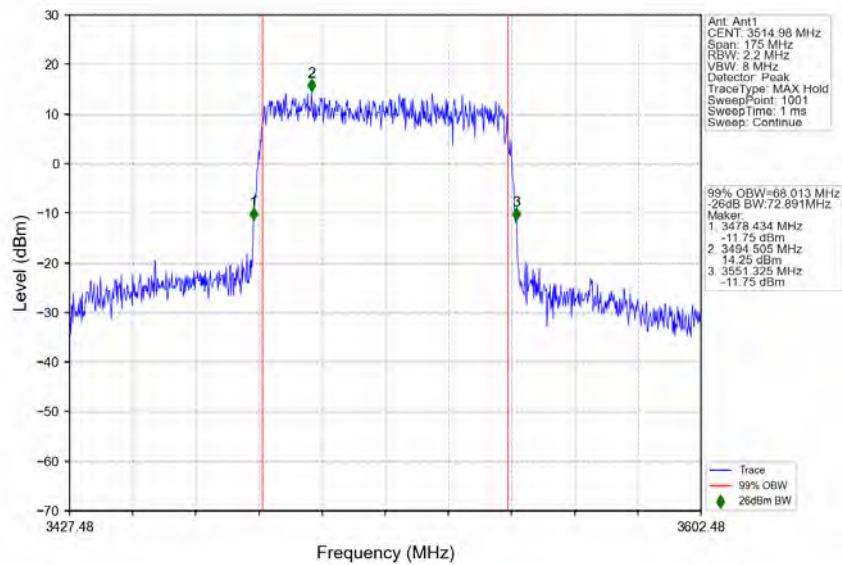
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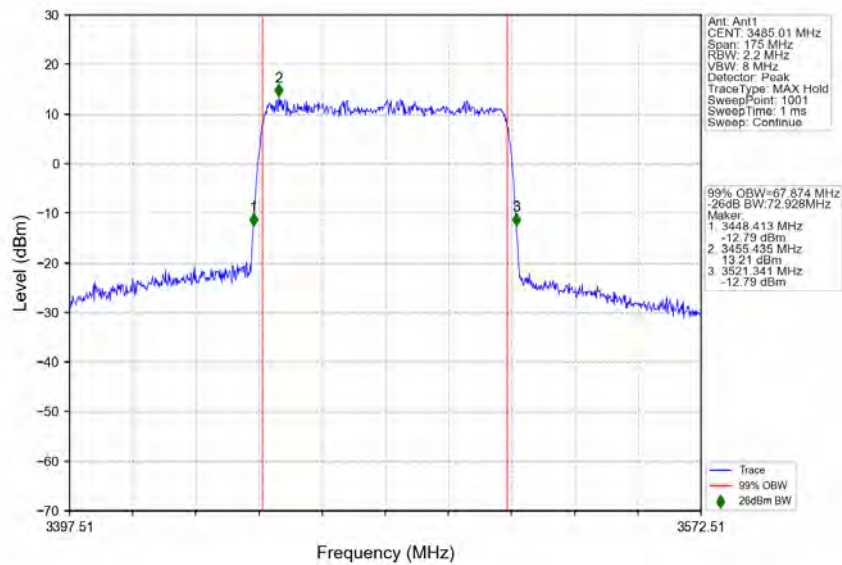
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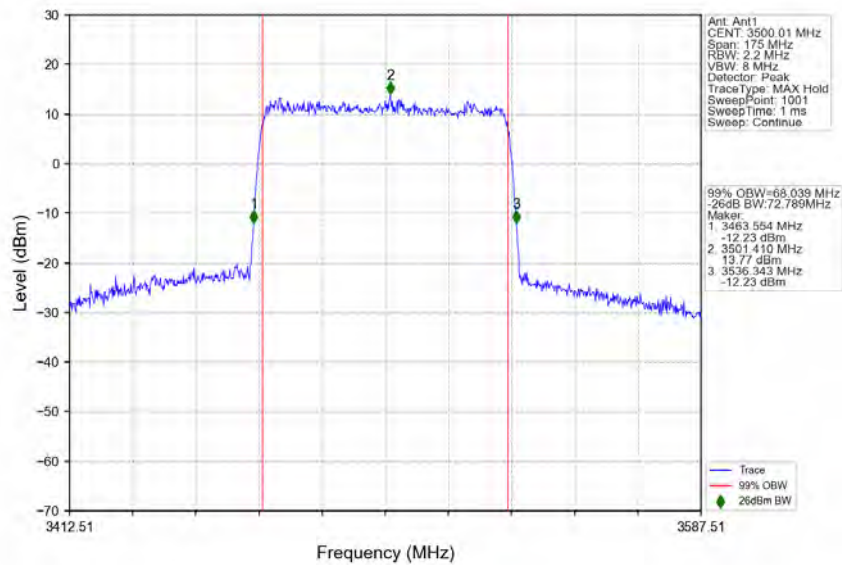
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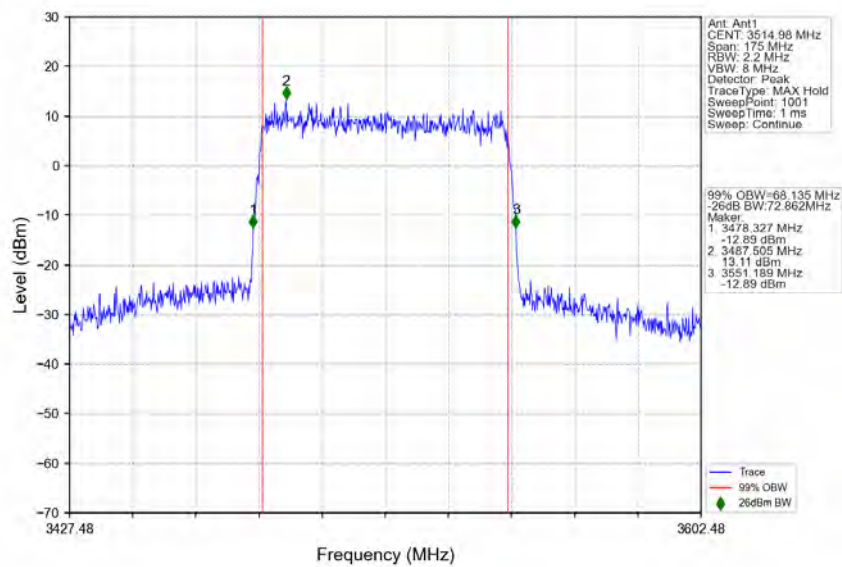
n77d 30kHz SISO NTN 70MHz CP-OFDM 256 QAM 3485.01MHz Outer Full



n77d 30kHz SISO NTN 70MHz CP-OFDM 256 QAM 3500.01MHz Outer Full

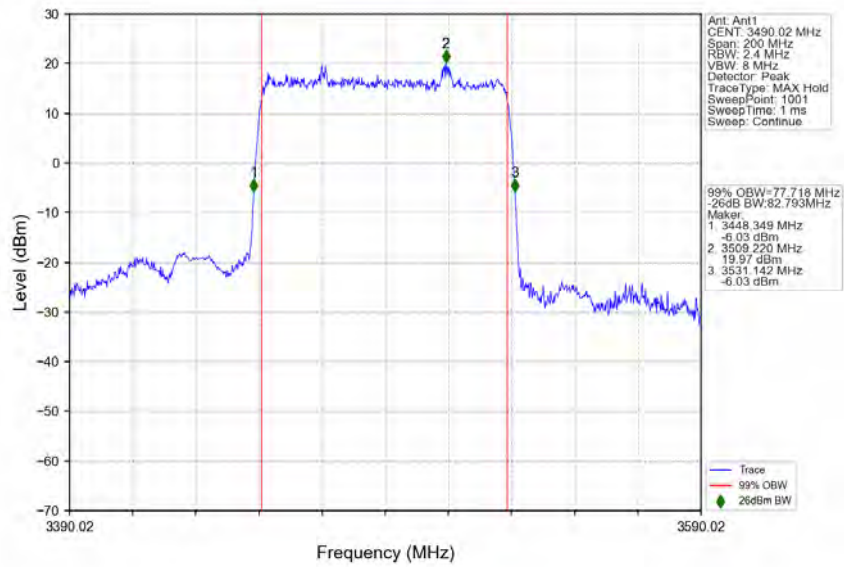


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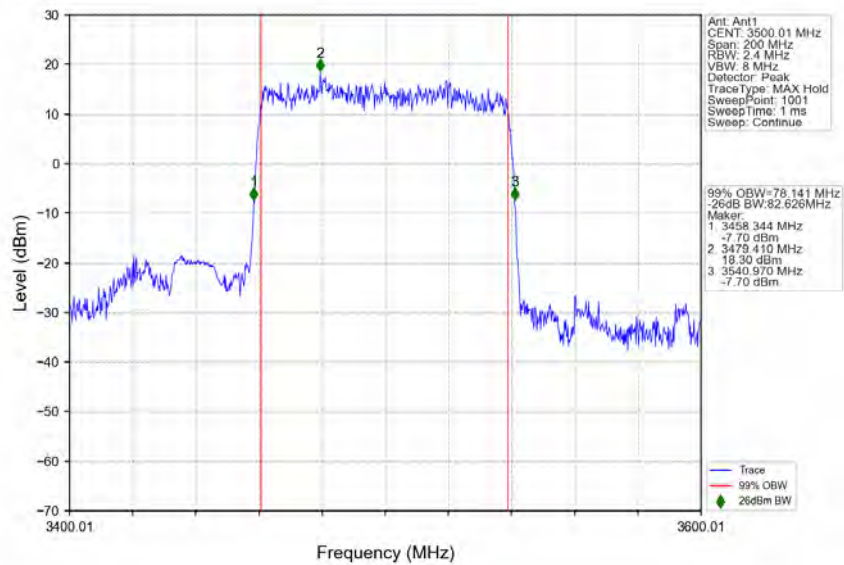


3.2.7 30k_SISO_80MHz_NTNV

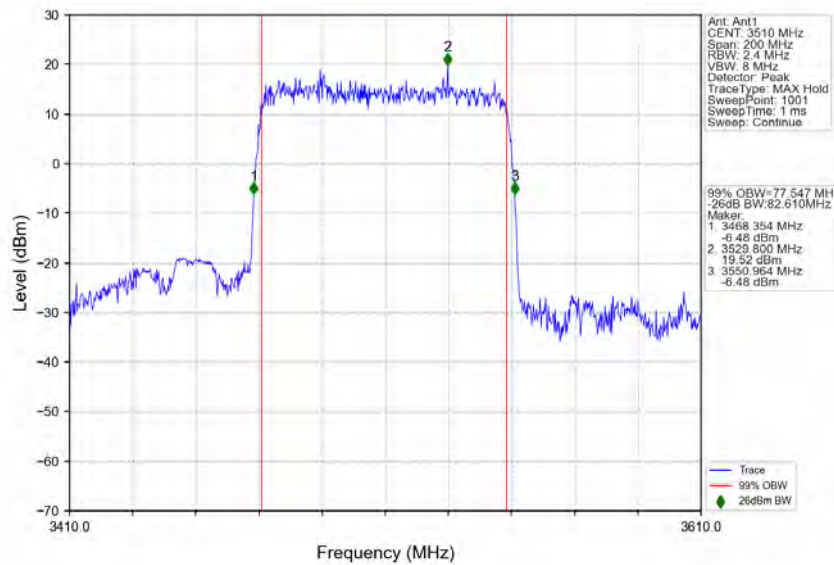
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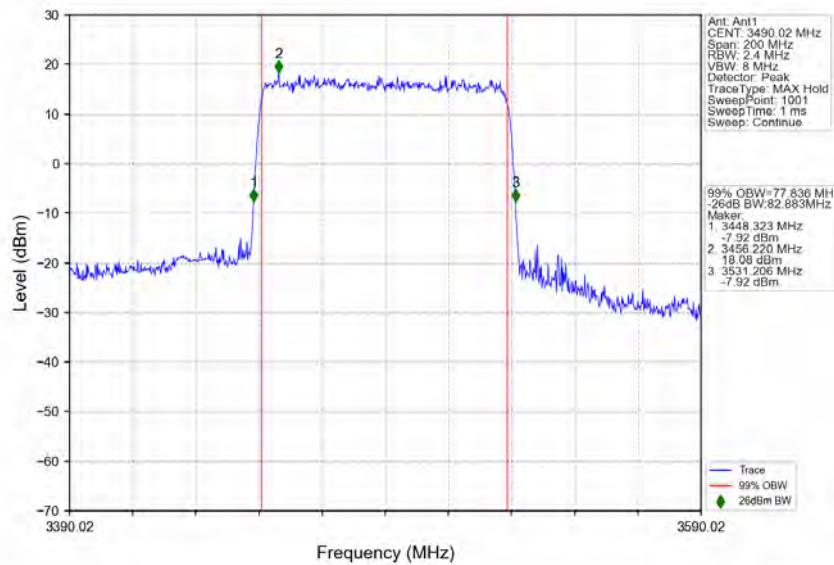
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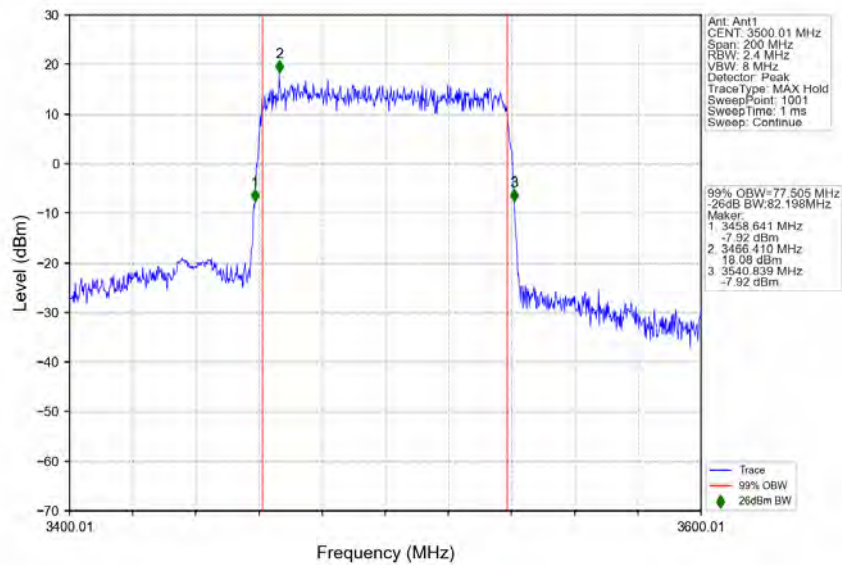
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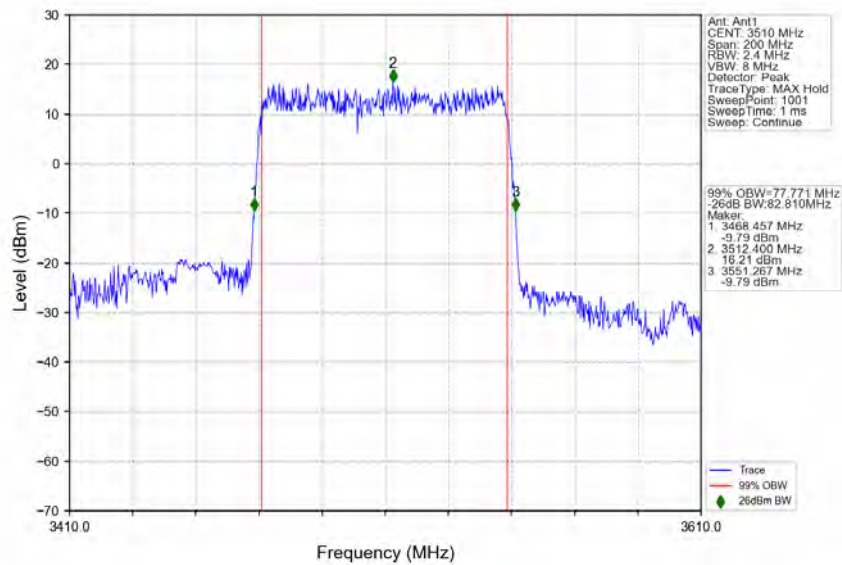
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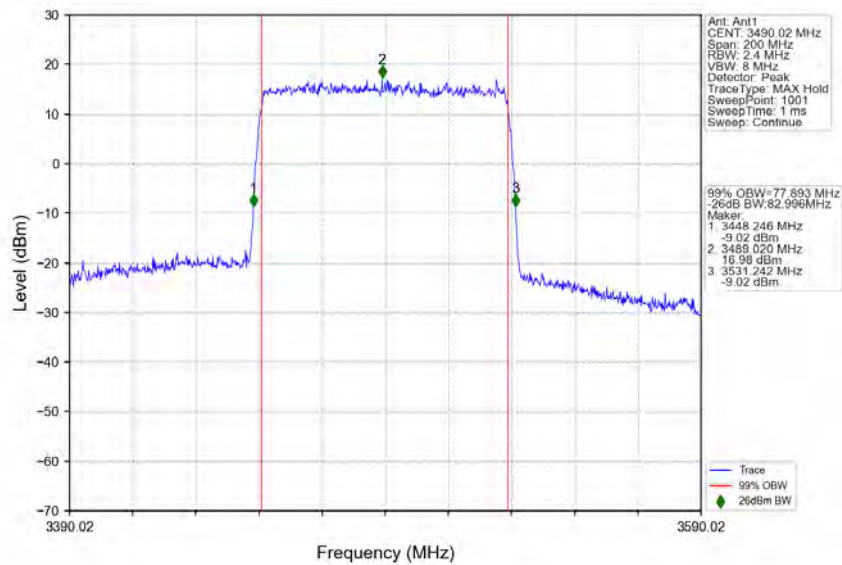
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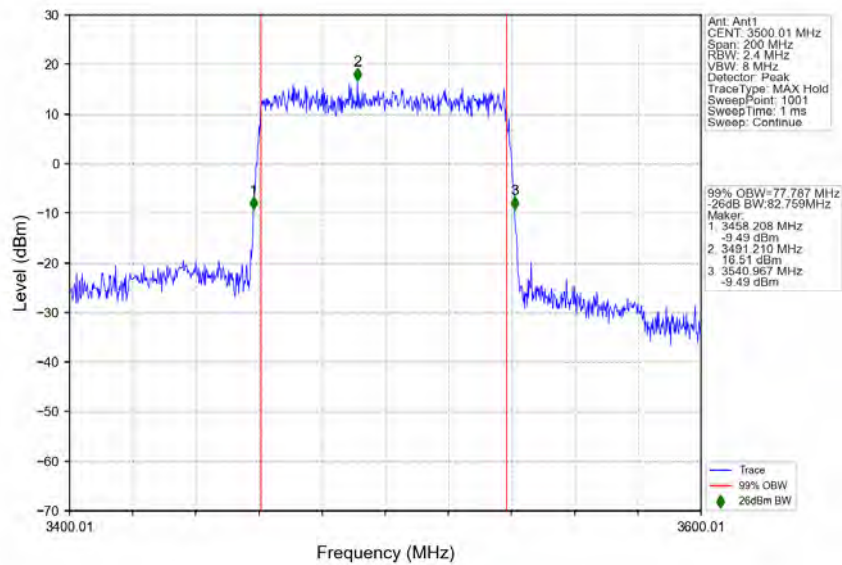
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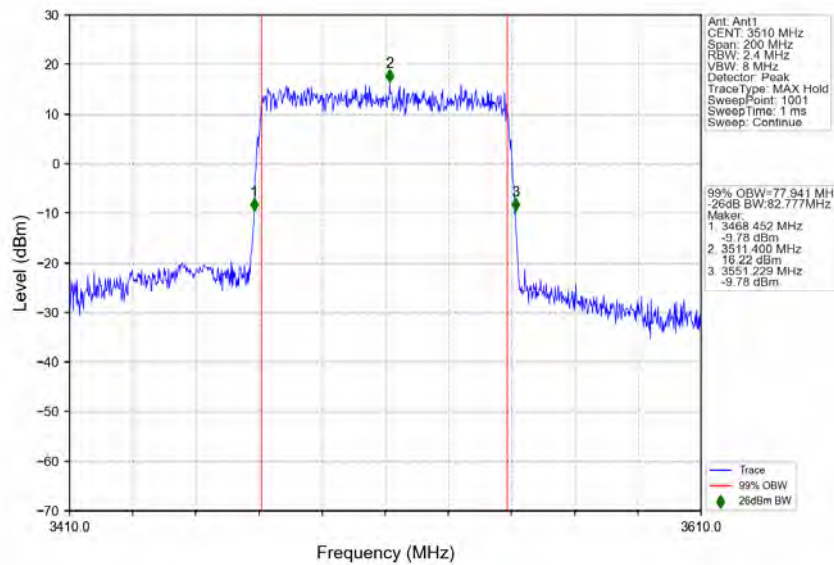
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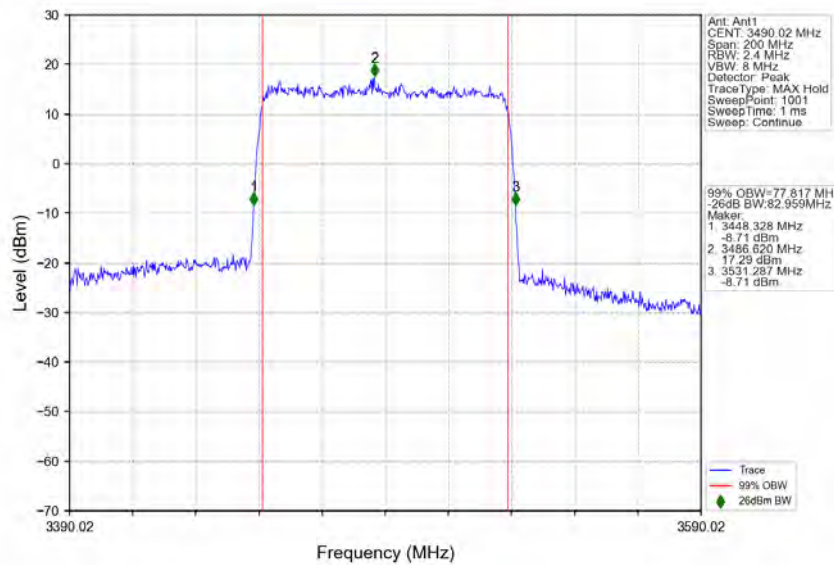
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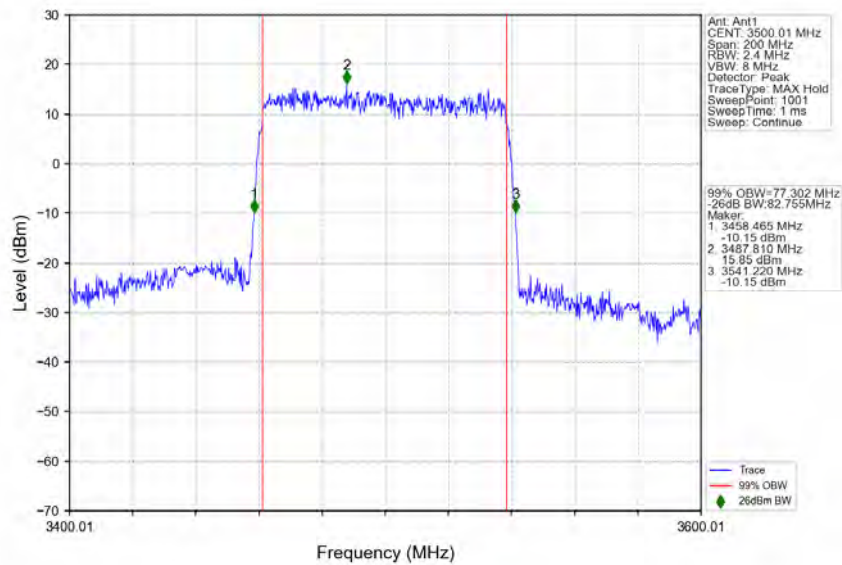
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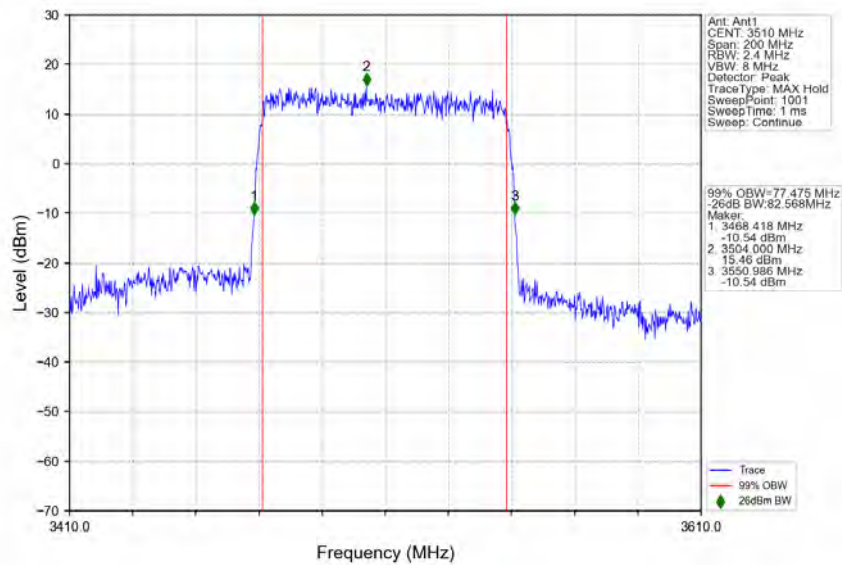
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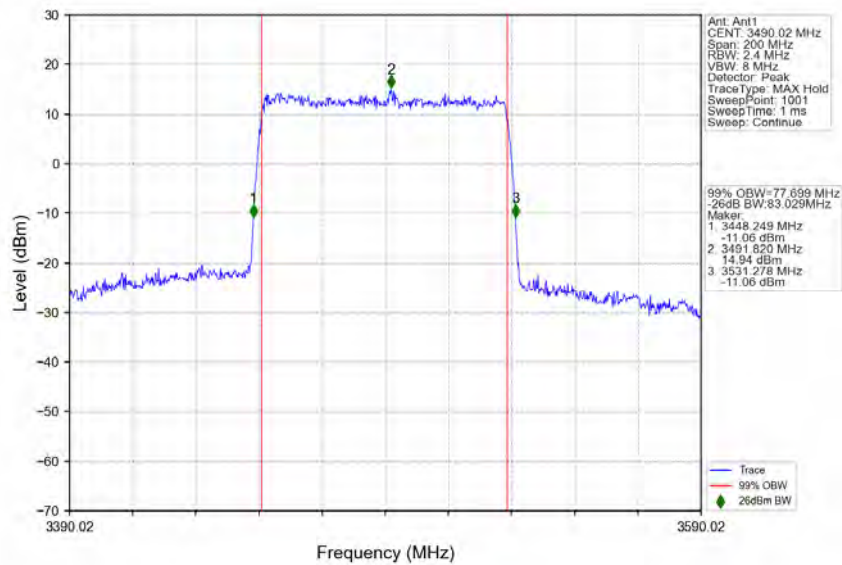
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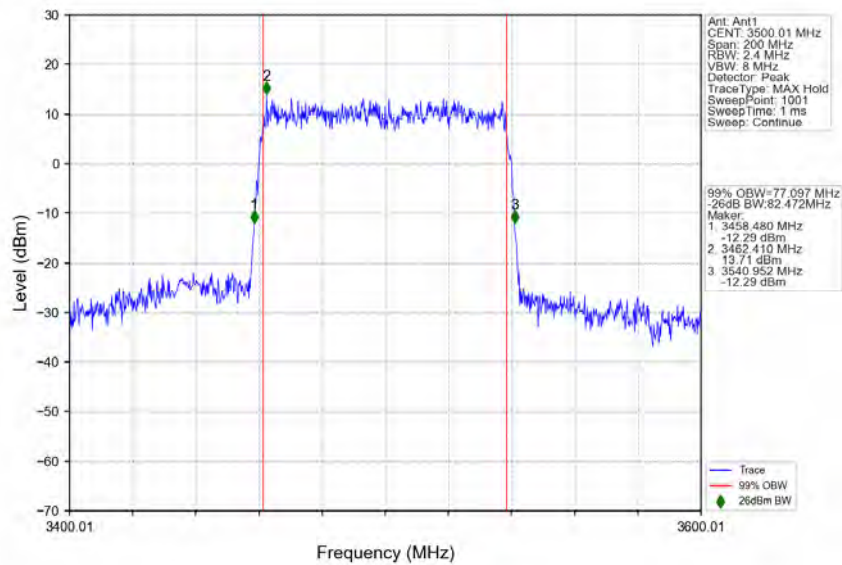
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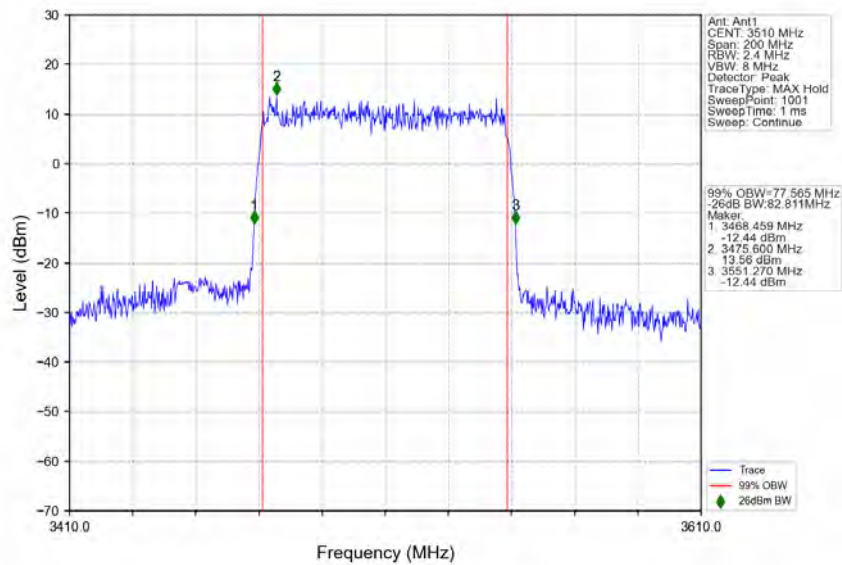
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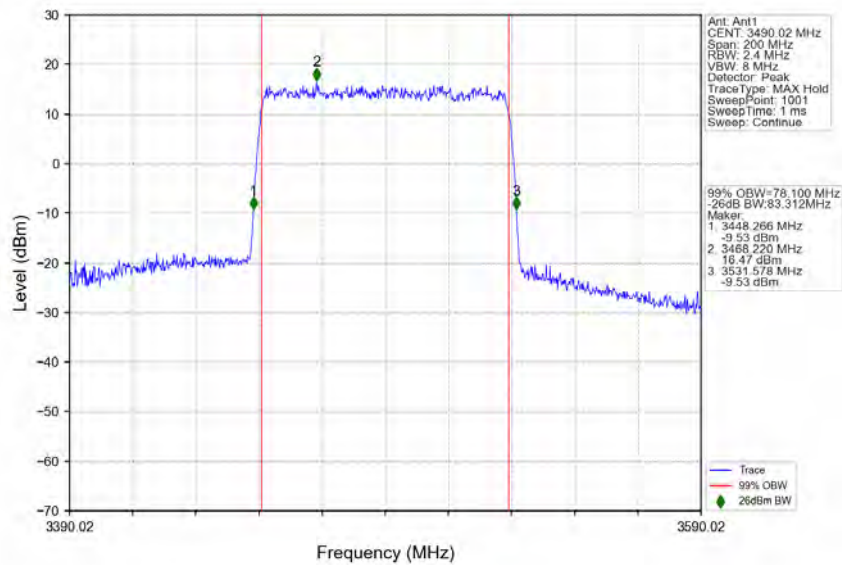
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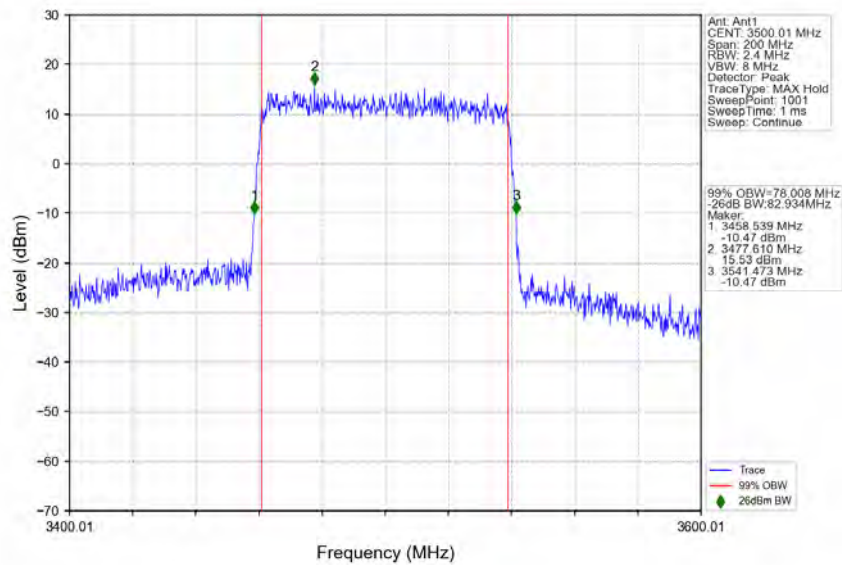
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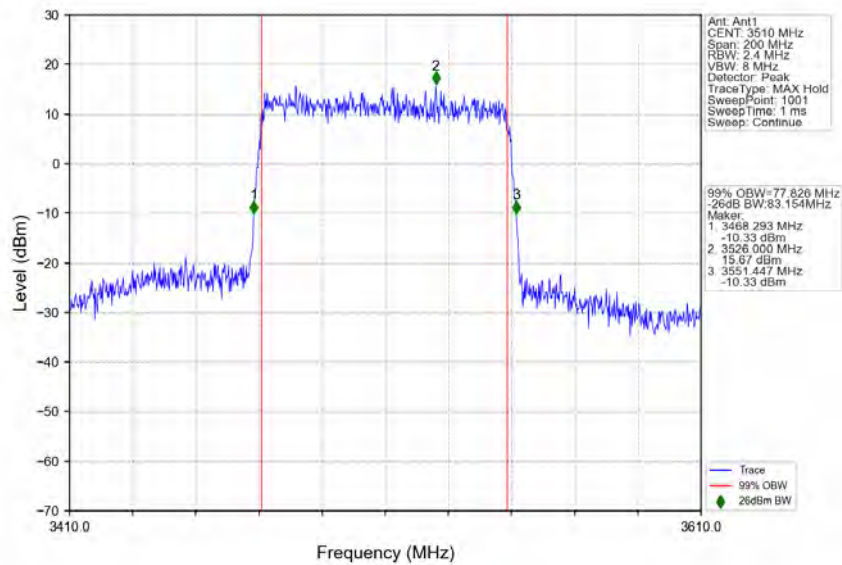
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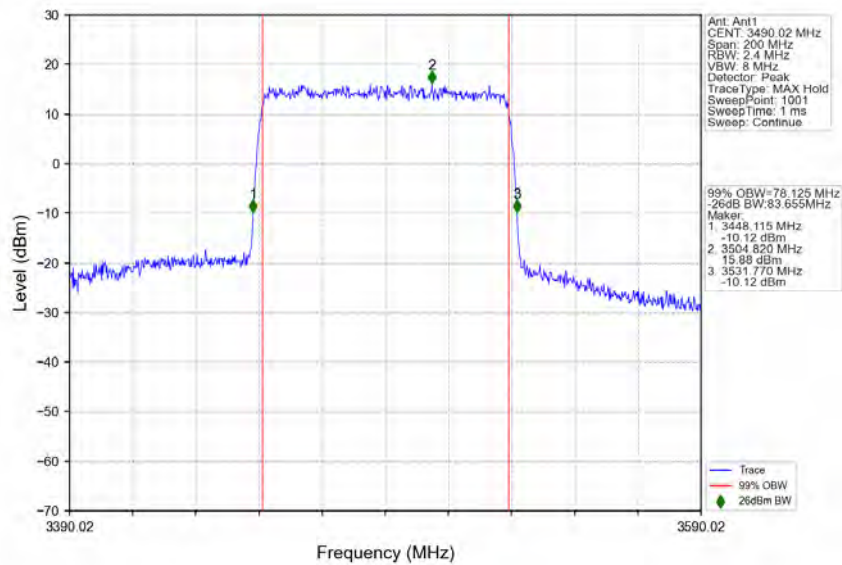
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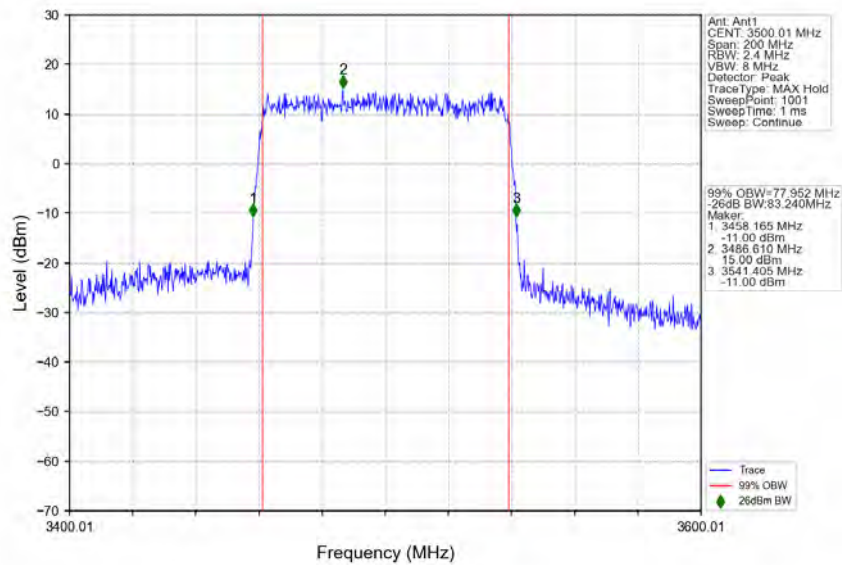
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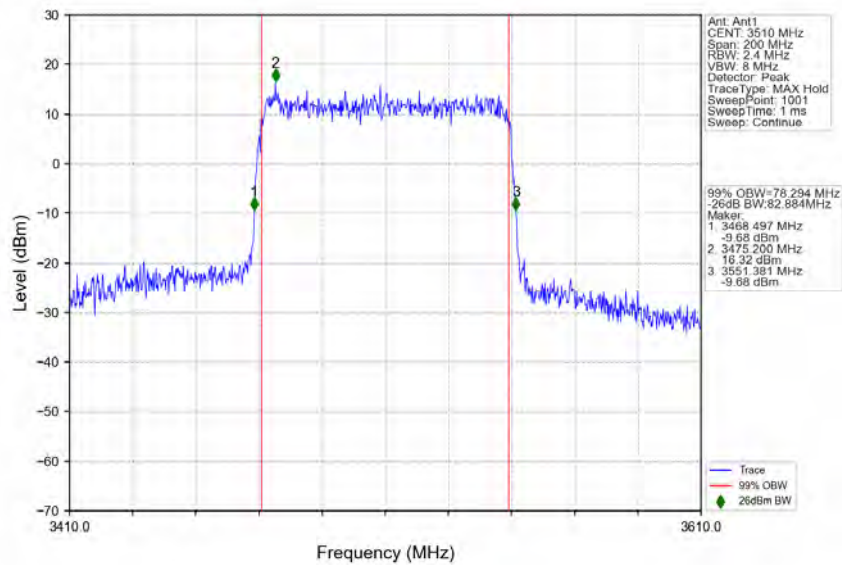
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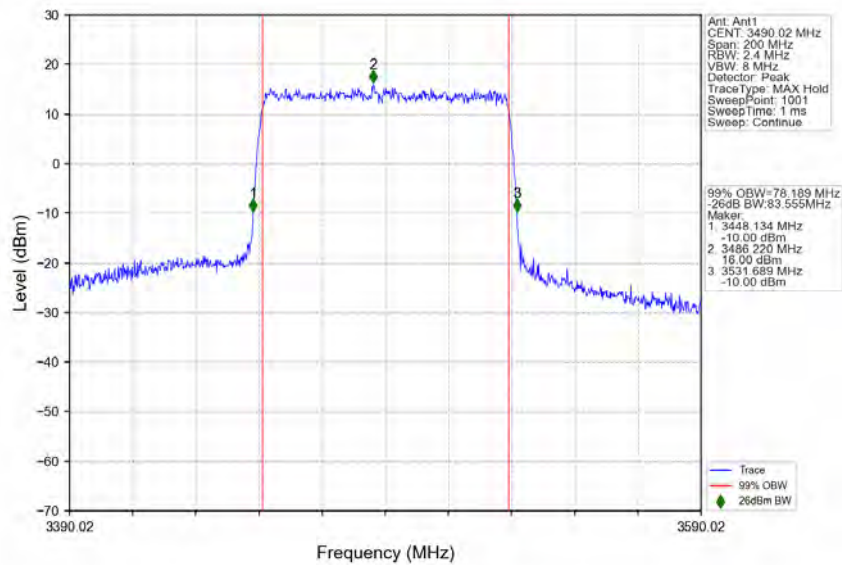
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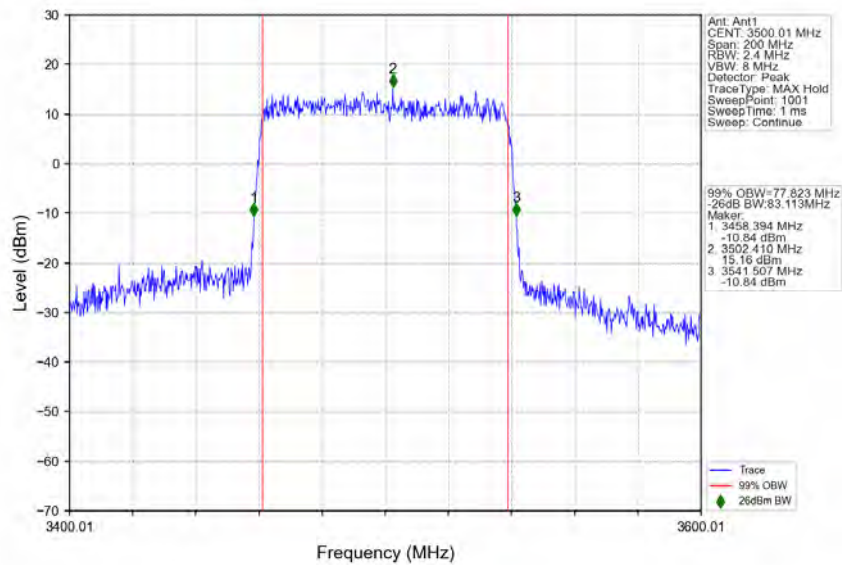
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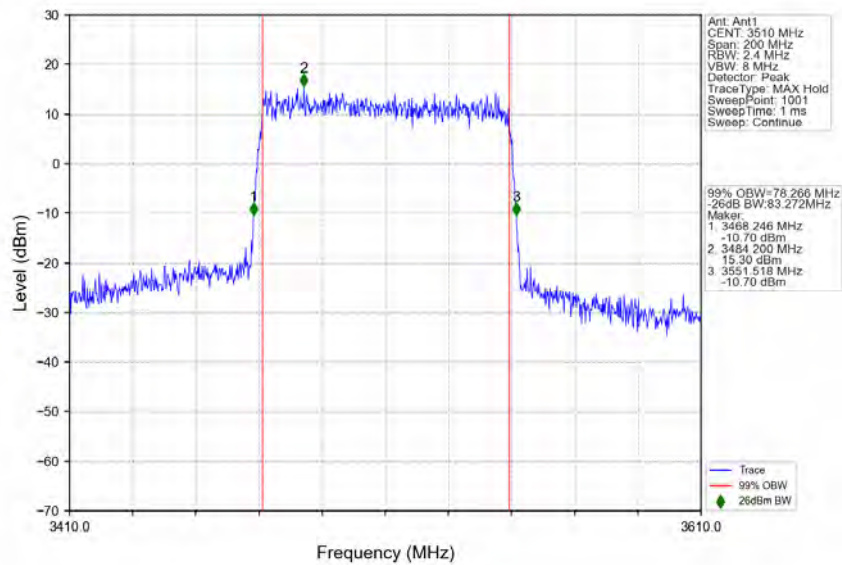
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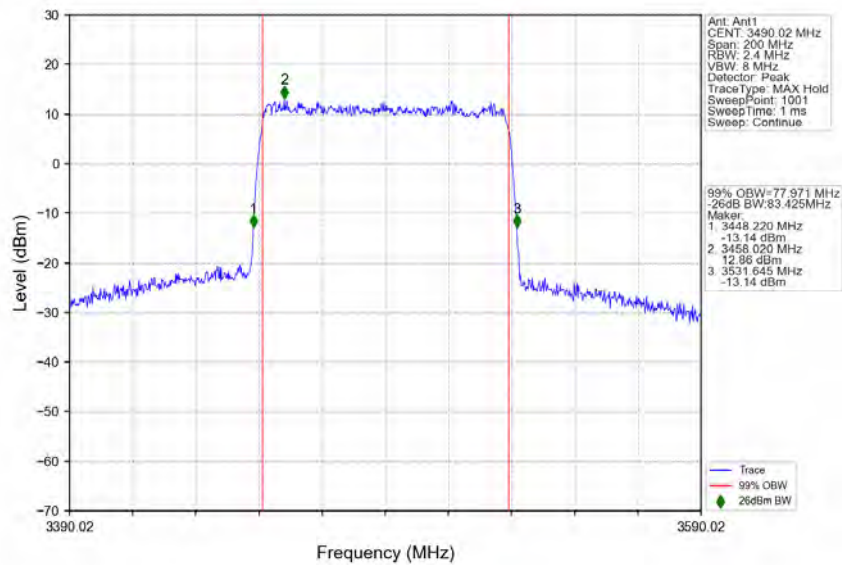
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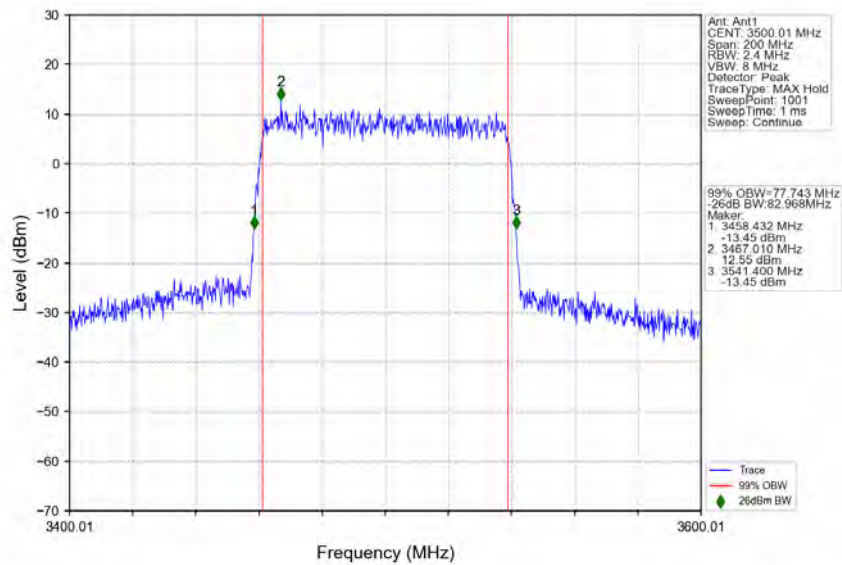
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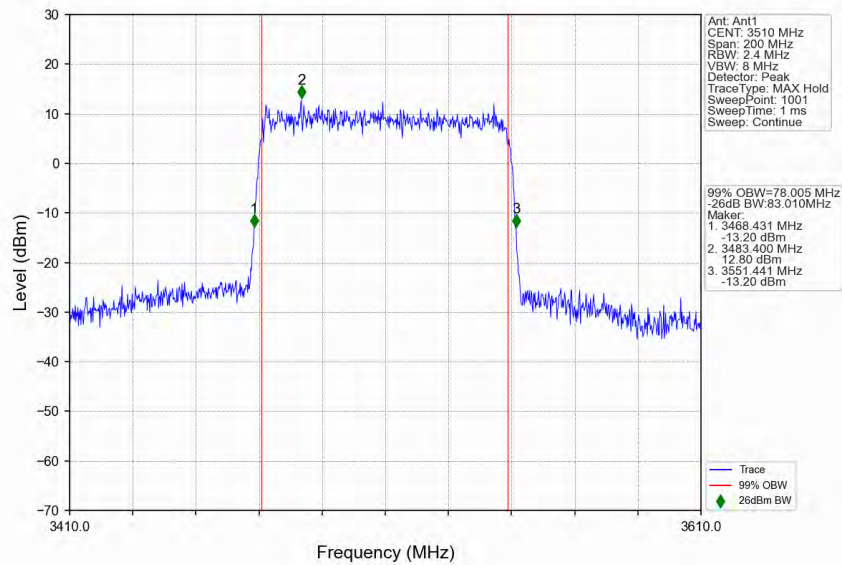
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n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full

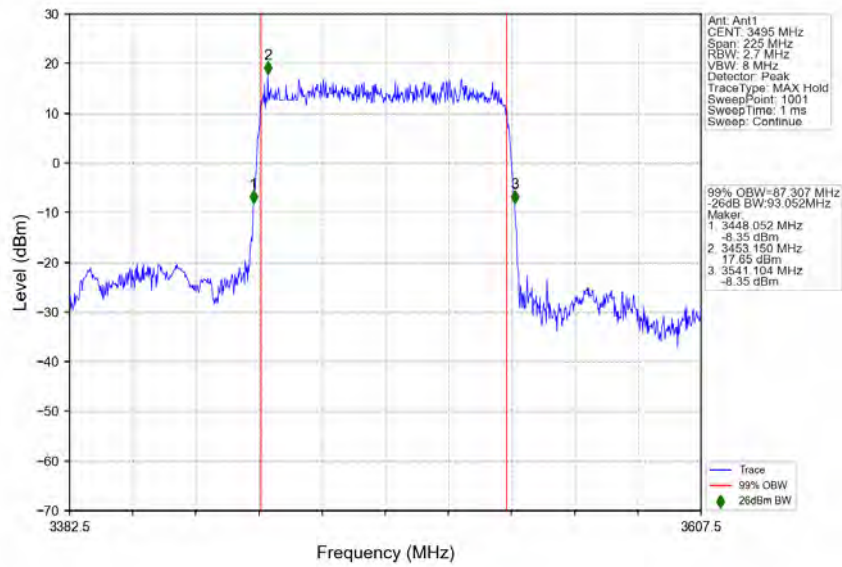


n77d_30kHz_SISO_NTNV_80MHz_CP-OFDM_256_QAM_3510MHz_Outer_Full

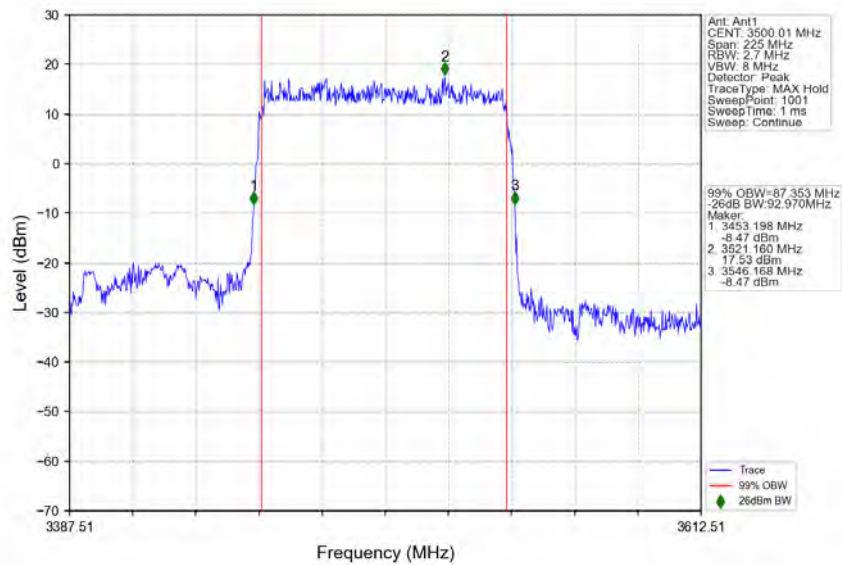


3.2.8 30k_SISO_90MHz_NTNV

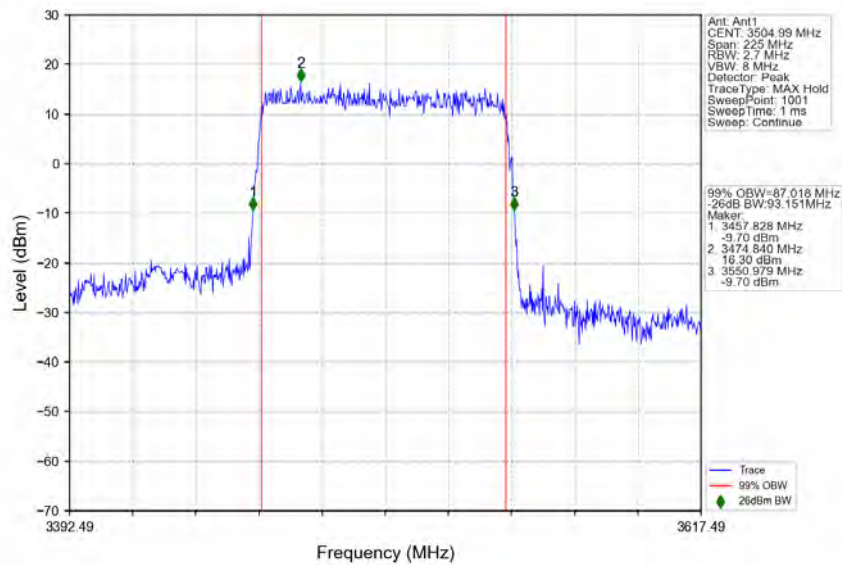
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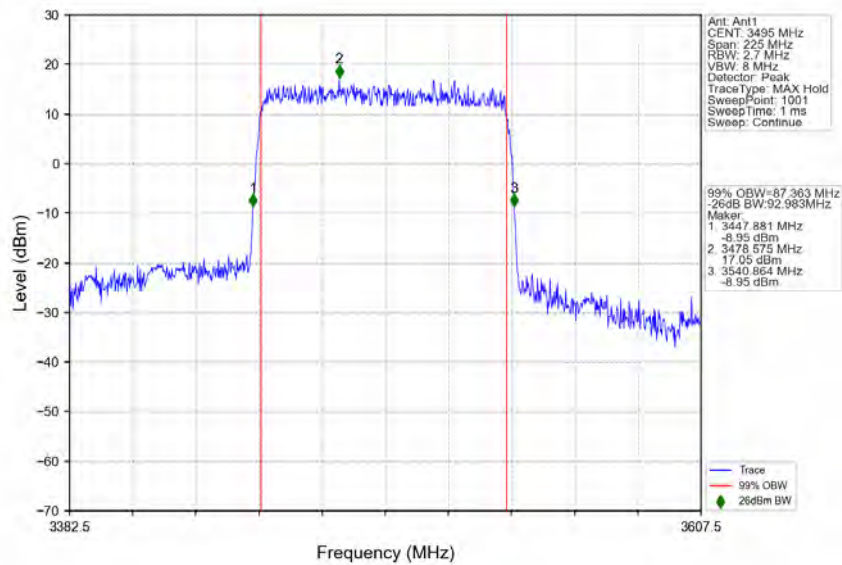
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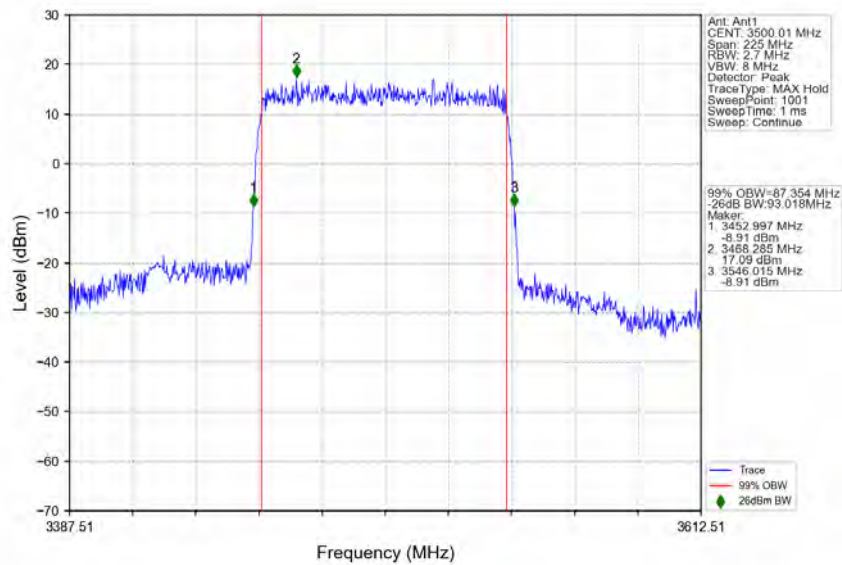
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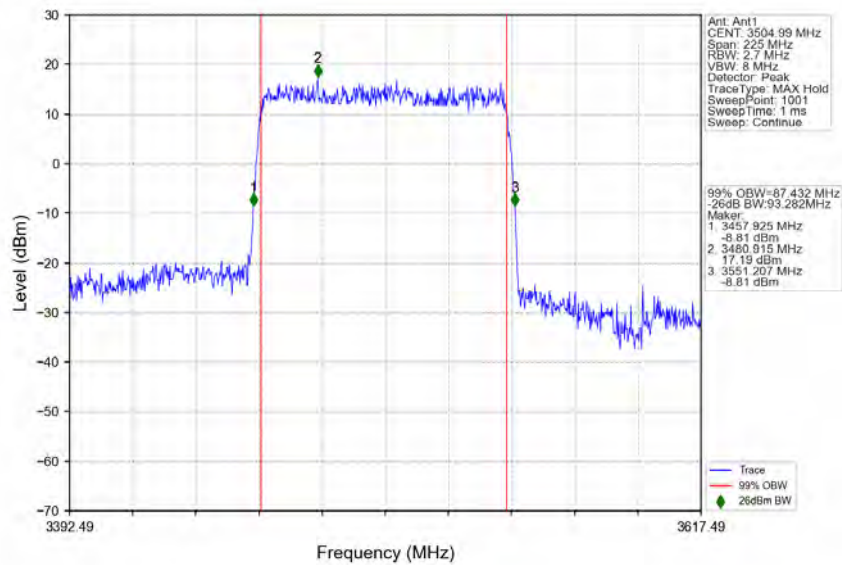
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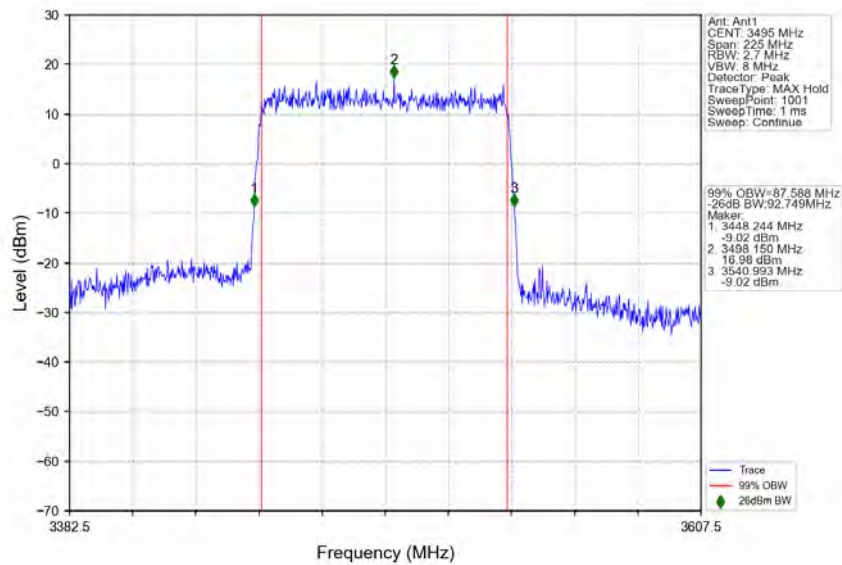
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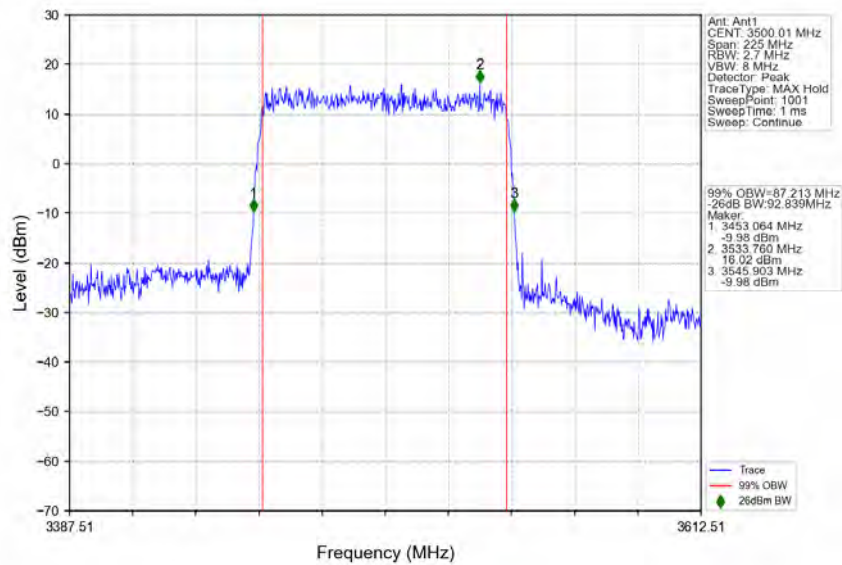
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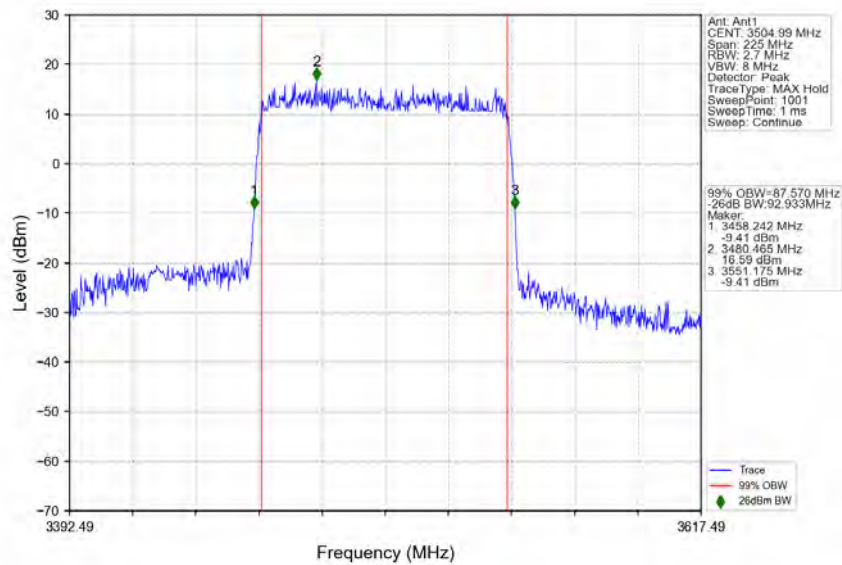
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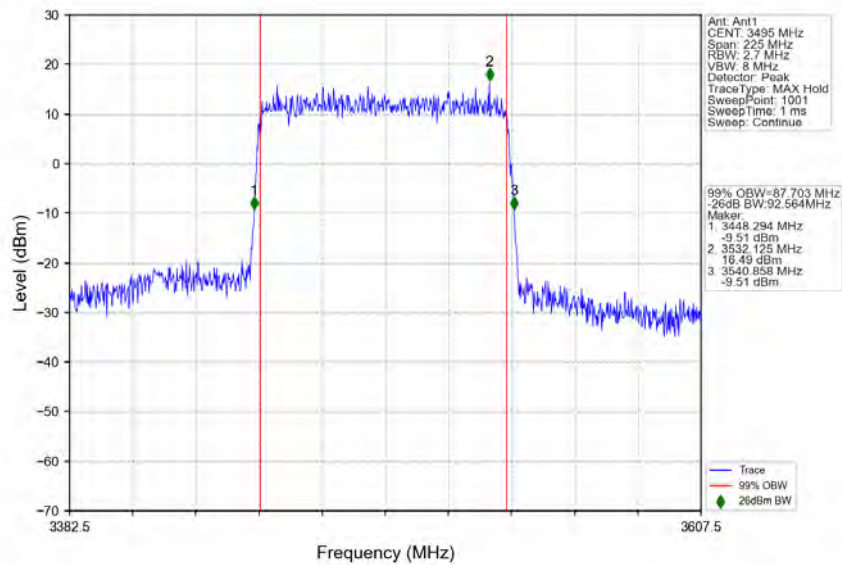
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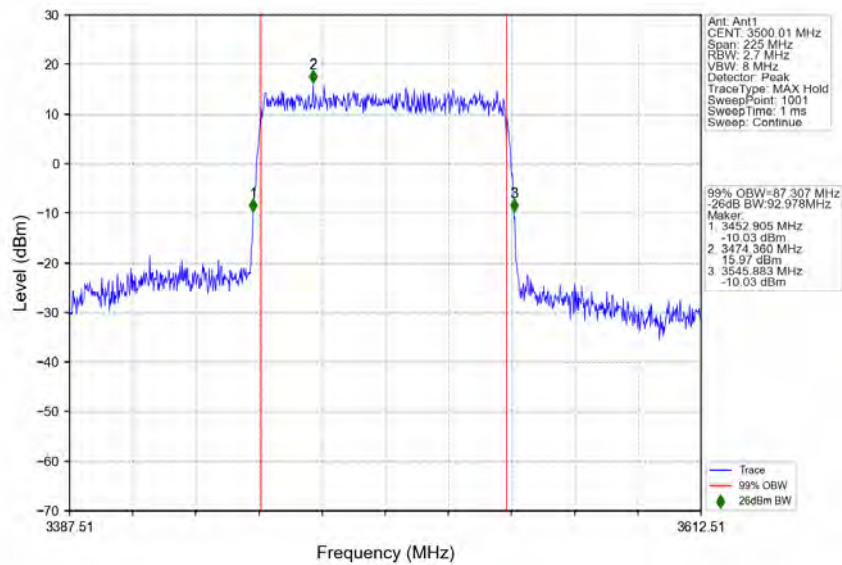
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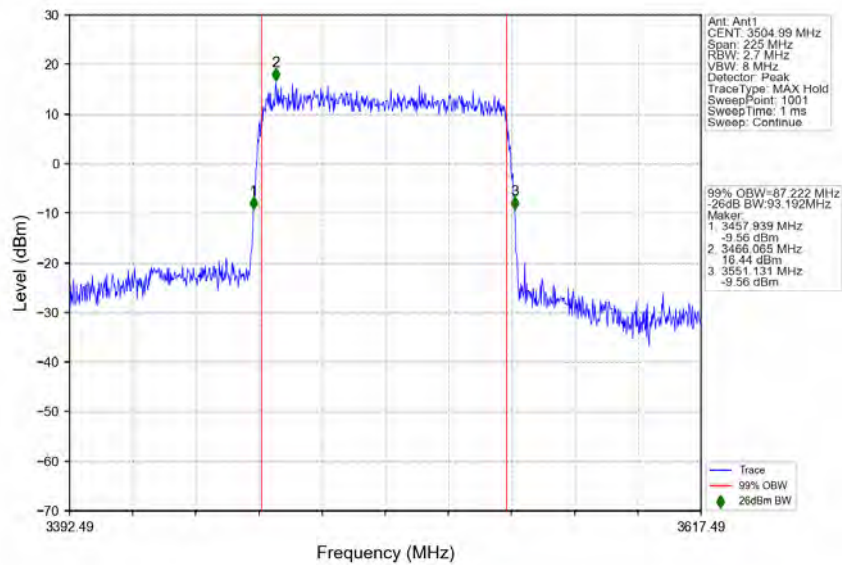
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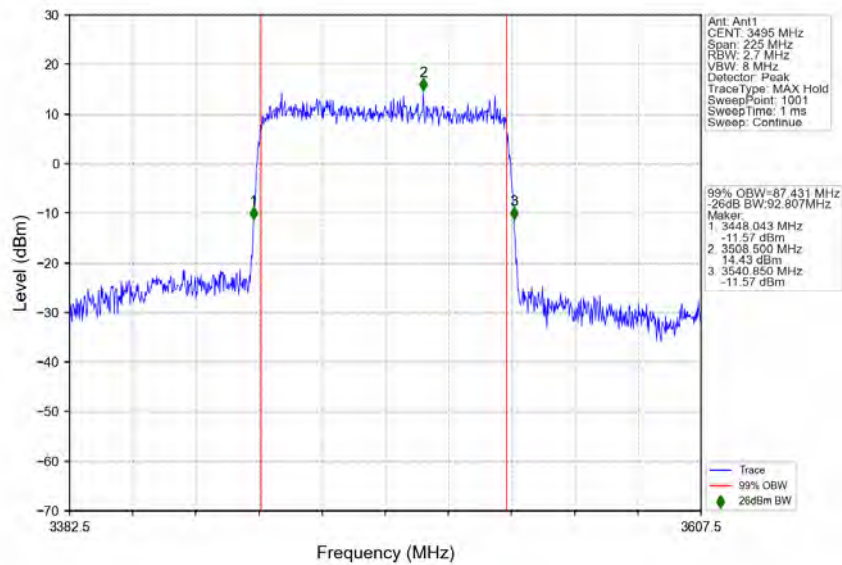
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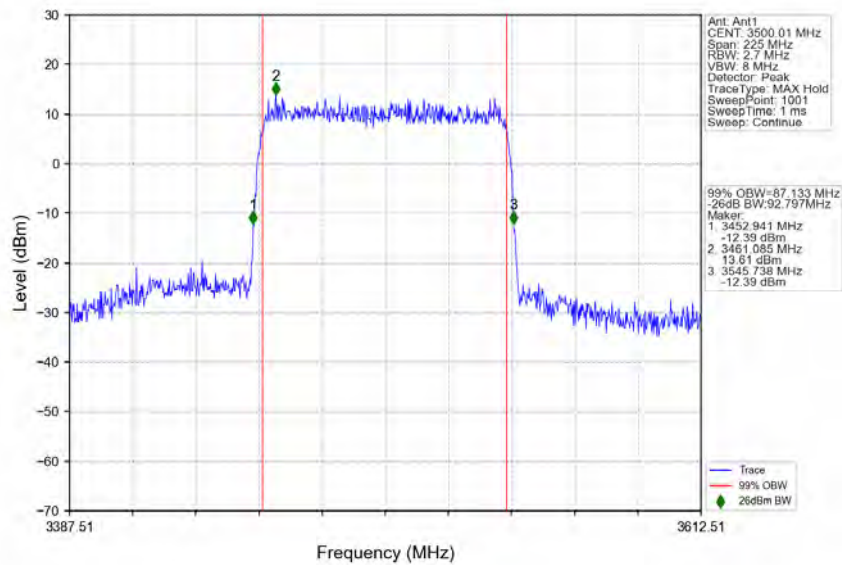
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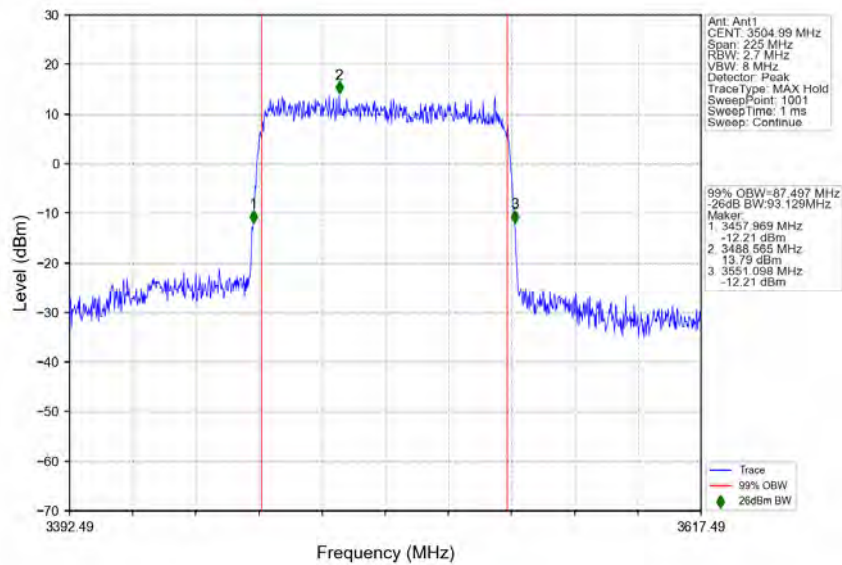
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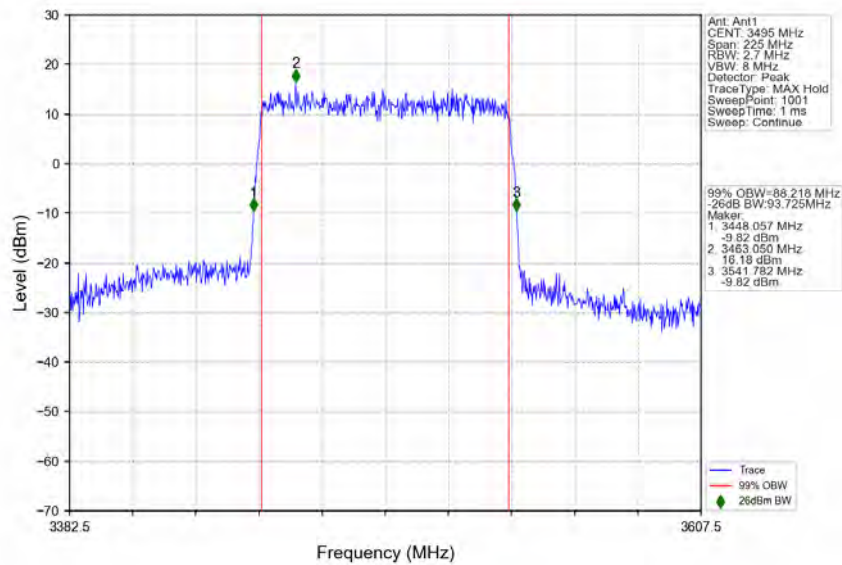
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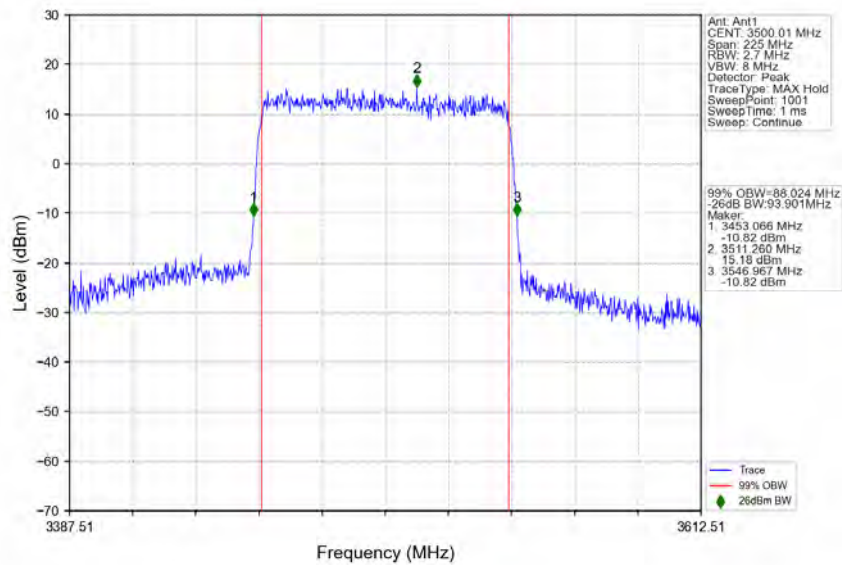
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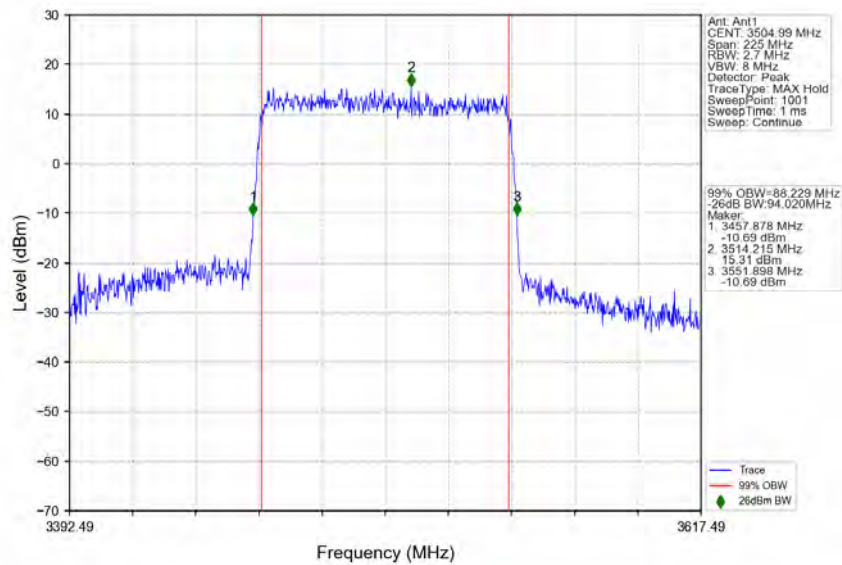
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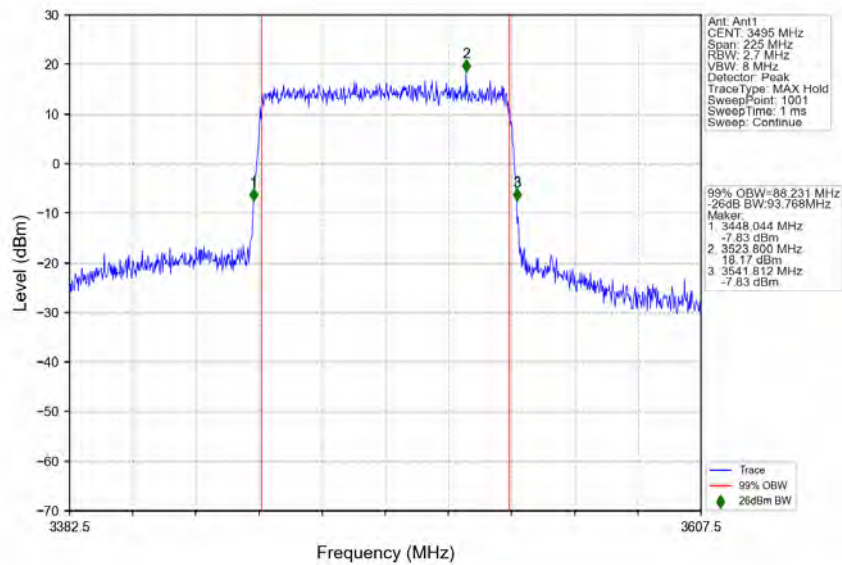
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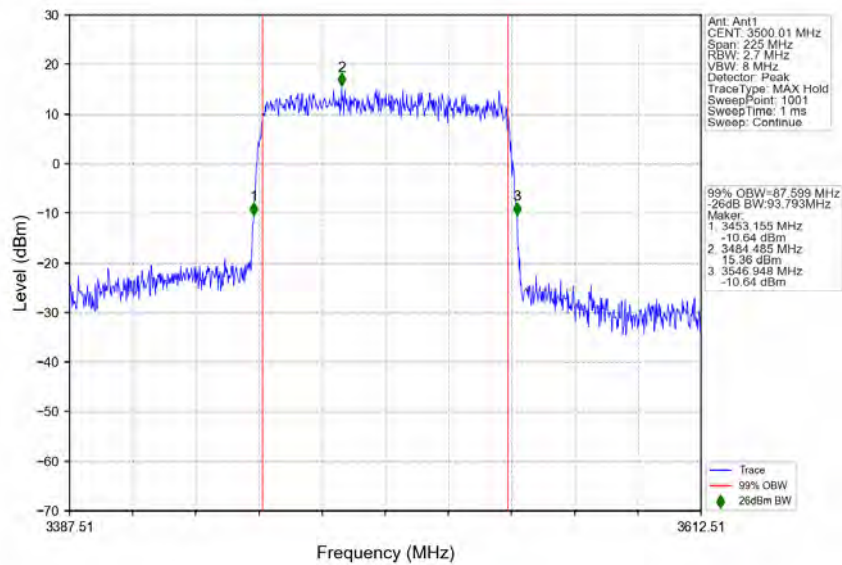
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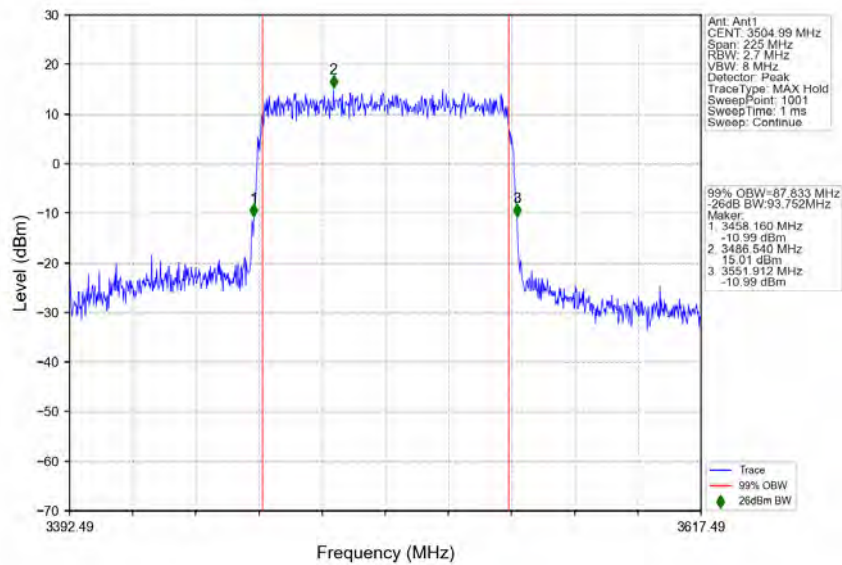
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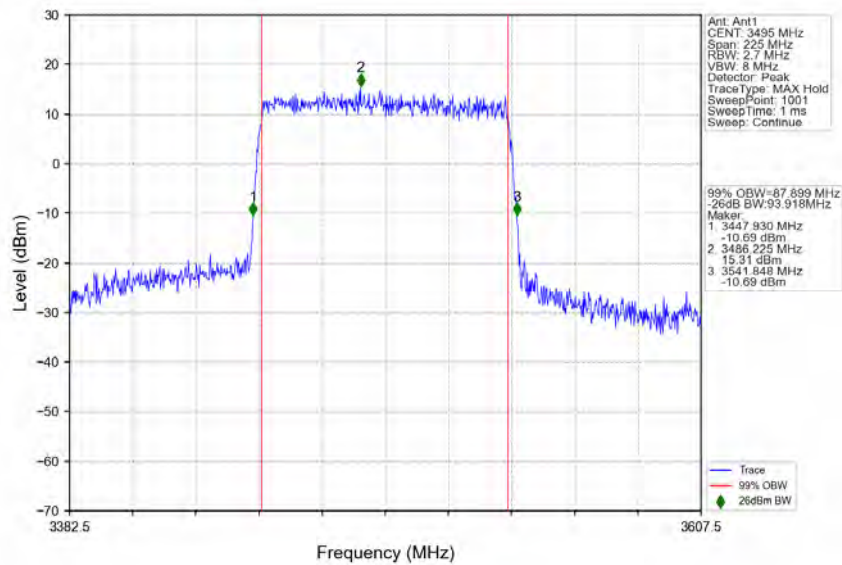
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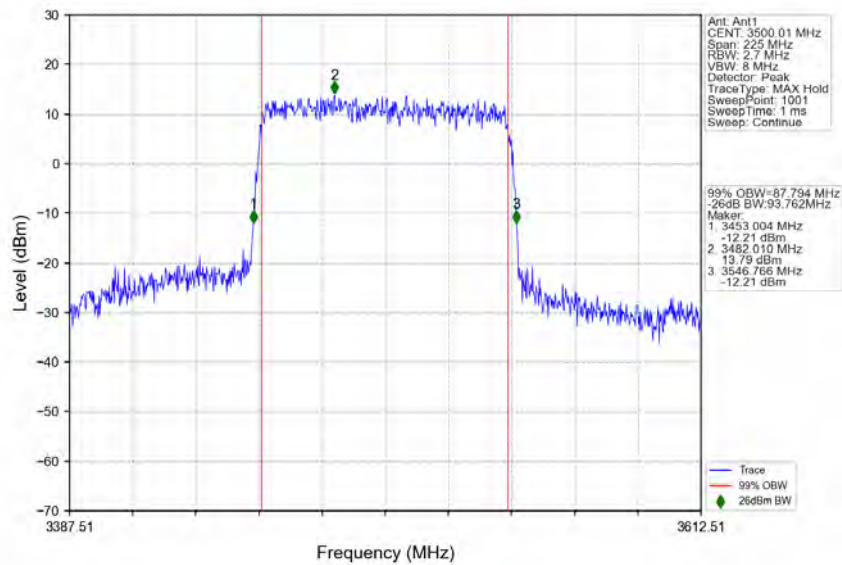
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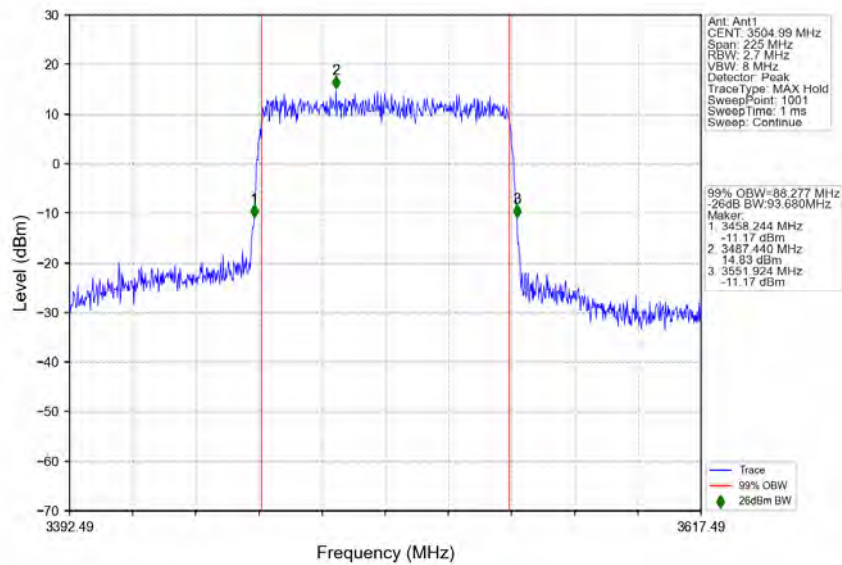
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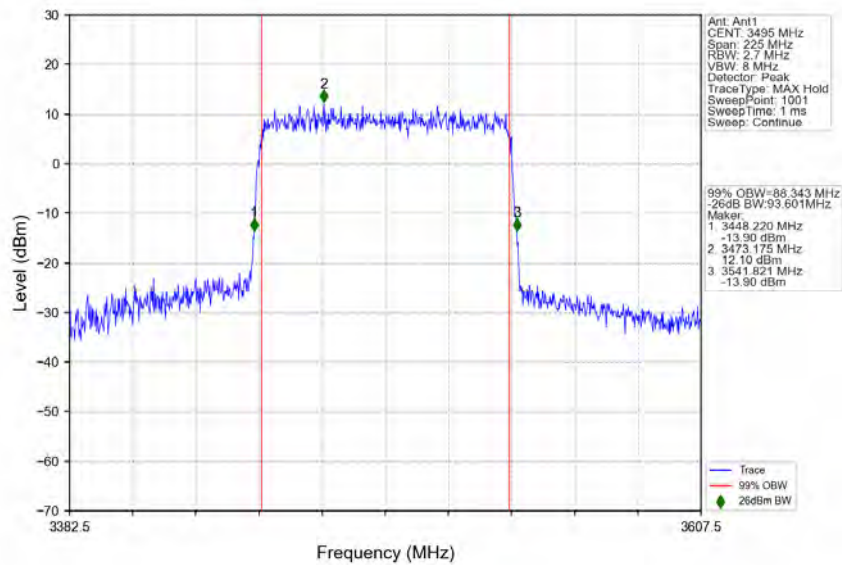
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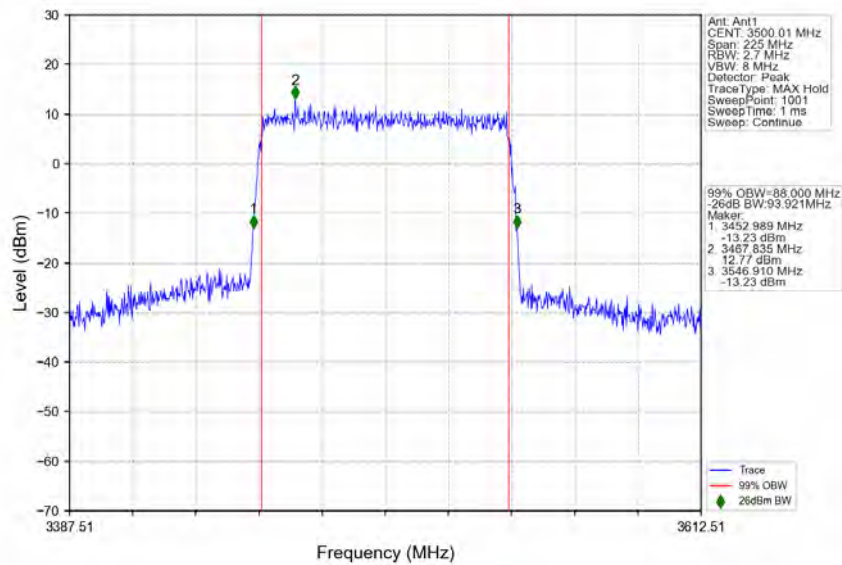
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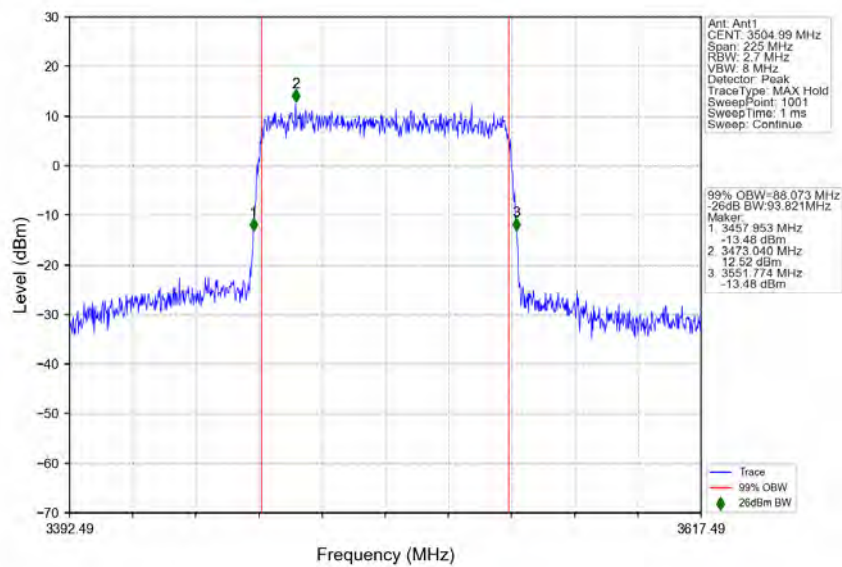
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n77d_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full

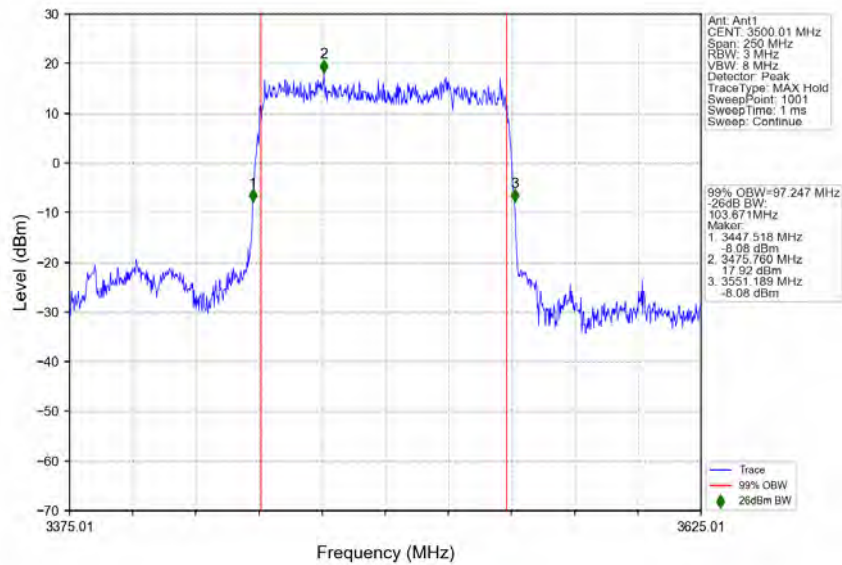


n77d_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3504.99MHz_Outer_Full

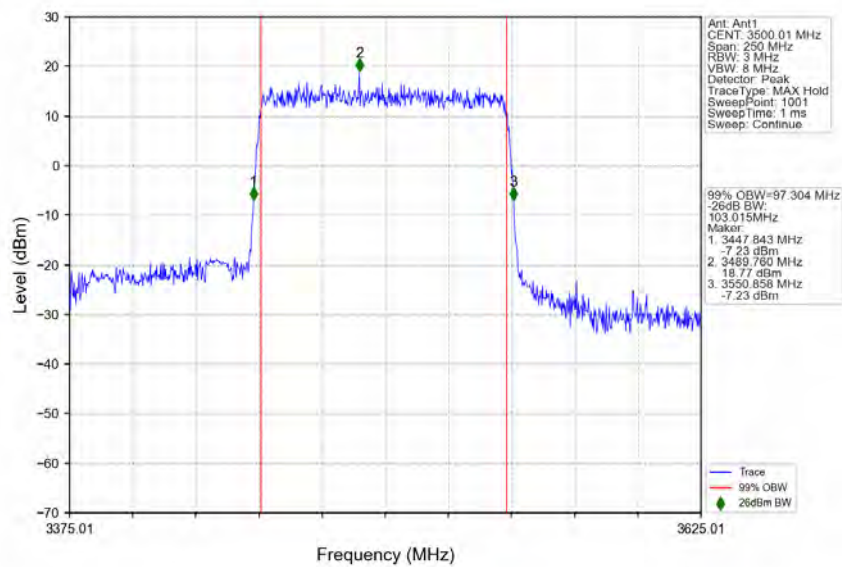


3.2.9 30k_SISO_100MHz_NTNV

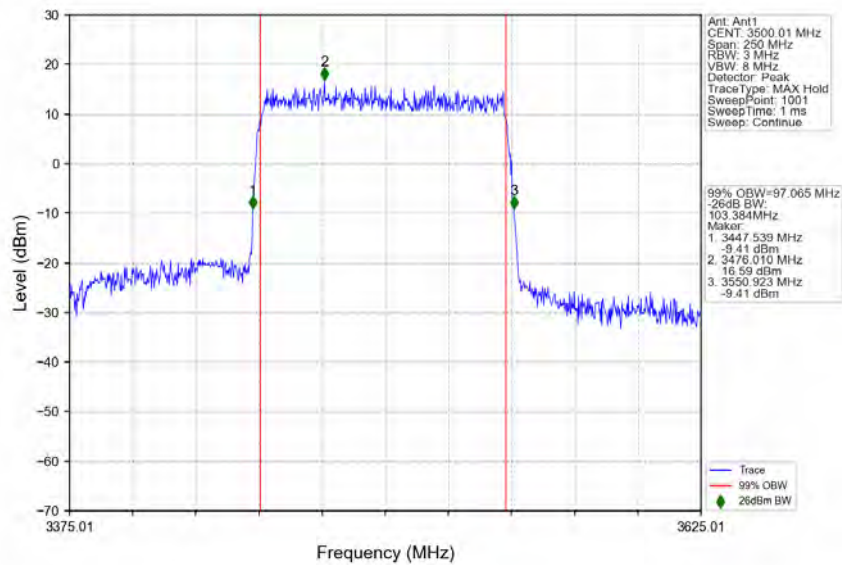
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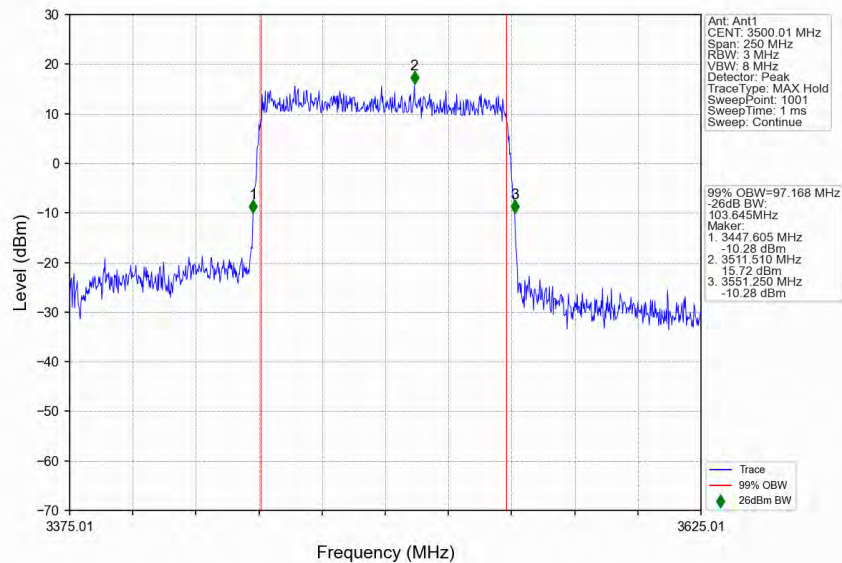
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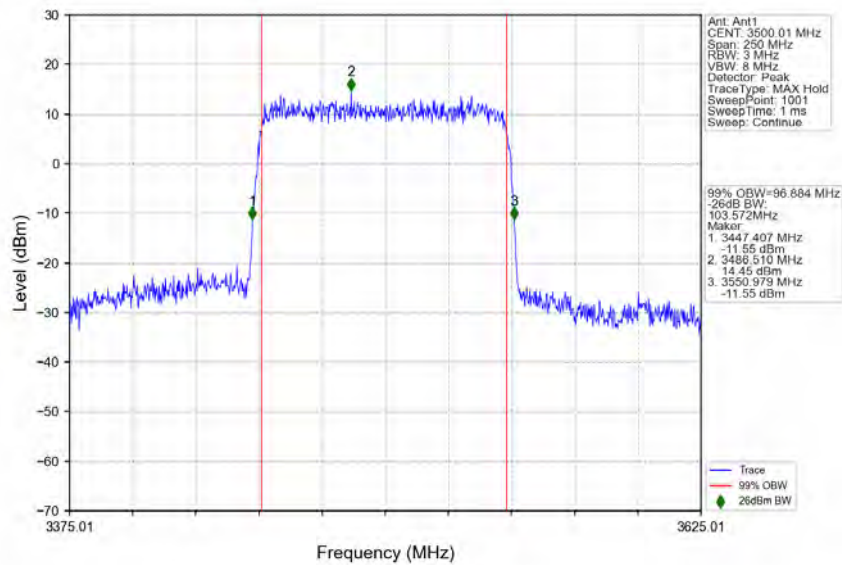
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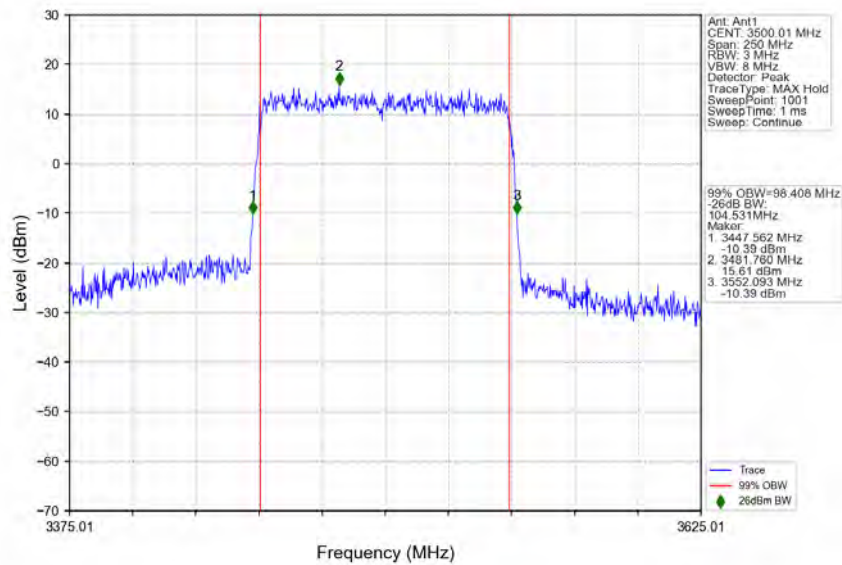
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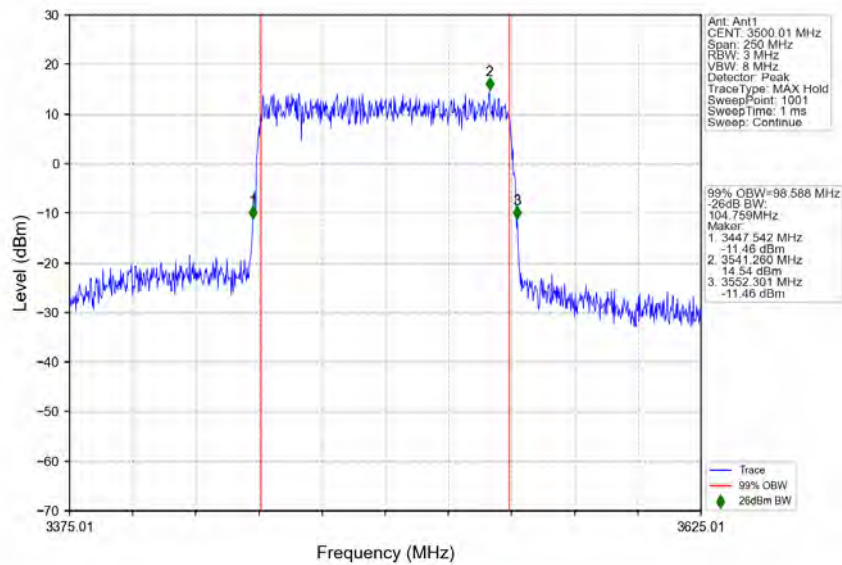
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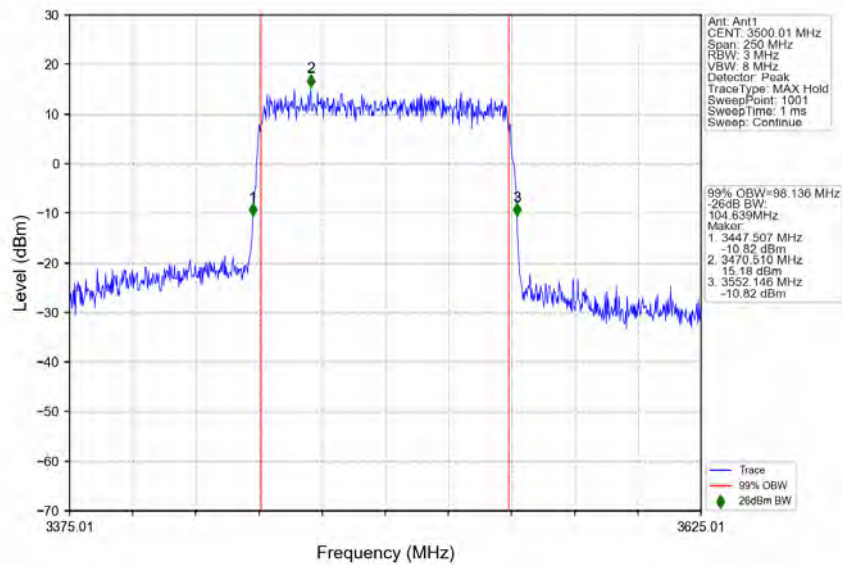
n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full



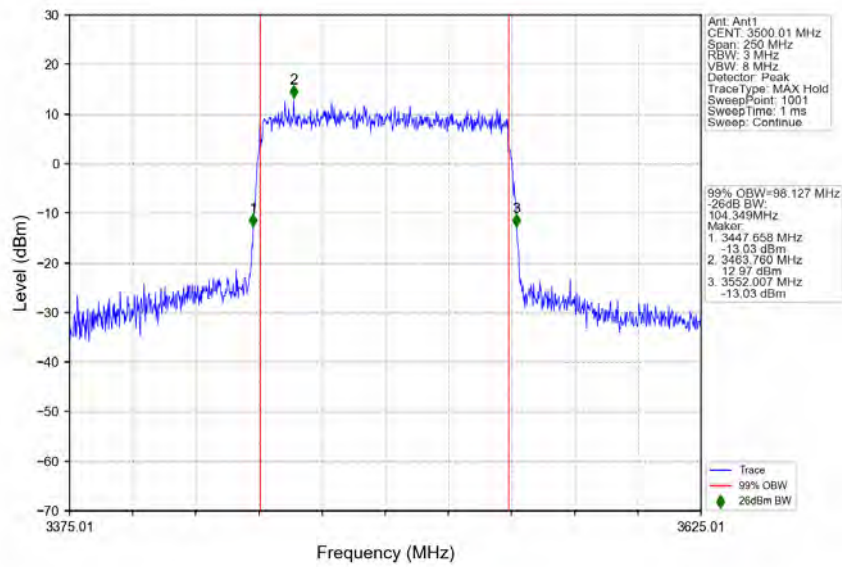
n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM_16 QAM_3500.01MHz_Outer_Full



n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM_64 QAM_3500.01MHz_Outer_Full



n77d_30kHz_SISO_NTNV_100MHz_CP-OFDM 256 QAM_3500.01MHz_Outer_Full



4. Peak-Average Ratio

4.1 Test Result

4.1.1 30k_SISO_20MHz_NTNV

5G NR n77d SCS=30kHz SISO 20MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3460.02	Outer Full	10.80	/	/	<=13	Pass
	3500.01	Outer Full	10.50	/	/	<=13	Pass
	3540	Outer Full	11.93	/	/	<=13	Pass
DFT-s-OFDM QPSK	3460.02	Outer Full	11.45	/	/	<=13	Pass
	3500.01	Outer Full	12.19	/	/	<=13	Pass
	3540	Outer Full	11.52	/	/	<=13	Pass

4.1.2 30k_SISO_30MHz_NTNV

5G NR n77d SCS=30kHz SISO 30MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3465	Outer Full	10.15	/	/	<=13	Pass
	3500.01	Outer Full	9.86	/	/	<=13	Pass
	3534.99	Outer Full	10.18	/	/	<=13	Pass
DFT-s-OFDM QPSK	3465	Outer Full	11.63	/	/	<=13	Pass
	3500.01	Outer Full	10.96	/	/	<=13	Pass
	3534.99	Outer Full	11.76	/	/	<=13	Pass

4.1.3 30k_SISO_40MHz_NTNV

5G NR n77d SCS=30kHz SISO 40MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3470.01	Outer Full	10.47	/	/	<=13	Pass
	3500.01	Outer Full	10.53	/	/	<=13	Pass
	3529.98	Outer Full	10.48	/	/	<=13	Pass
DFT-s-OFDM QPSK	3470.01	Outer Full	11.44	/	/	<=13	Pass
	3500.01	Outer Full	11.58	/	/	<=13	Pass
	3529.98	Outer Full	11.87	/	/	<=13	Pass

4.1.4 30k_SISO_50MHz_NTNV

5G NR n77d SCS=30kHz SISO 50MHz NTV							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3475.02	Outer Full	11.12	/	/	<=13	Pass
	3500.01	Outer Full	11.23	/	/	<=13	Pass
	3525	Outer Full	11.25	/	/	<=13	Pass
DFT-s-OFDM QPSK	3475.02	Outer Full	12.35	/	/	<=13	Pass

	3500.01	Outer_Full	12.18	/	/	<=13	Pass
	3525	Outer_Full	12.28	/	/	<=13	Pass

4.1.5 30k_SISO_60MHz_NTNV

5G NR n77d 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	3480	Outer_Full	12.79	/	/	<=13	Pass
	3500.01	Outer_Full	12.86	/	/	<=13	Pass
	3519.99	Outer_Full	12.85	/	/	<=13	Pass
DFT-s-OFDM QPSK	3480	Outer_Full	12.60	/	/	<=13	Pass
	3500.01	Outer_Full	12.71	/	/	<=13	Pass
	3519.99	Outer_Full	12.93	/	/	<=13	Pass

4.1.6 30k_SISO_70MHz_NTNV

5G NR n77d 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	3485.01	Outer_Full	11.88	/	/	<=13	Pass
	3500.01	Outer_Full	12.09	/	/	<=13	Pass
	3514.98	Outer_Full	12.01	/	/	<=13	Pass
DFT-s-OFDM QPSK	3485.01	Outer_Full	12.90	/	/	<=13	Pass
	3500.01	Outer_Full	12.80	/	/	<=13	Pass
	3514.98	Outer_Full	12.87	/	/	<=13	Pass

4.1.7 30k_SISO_80MHz_NTNV

5G NR n77d 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	3490.02	Outer_Full	12.33	/	/	<=13	Pass
	3500.01	Outer_Full	12.42	/	/	<=13	Pass
	3510	Outer_Full	12.43	/	/	<=13	Pass
DFT-s-OFDM QPSK	3490.02	Outer_Full	12.91	/	/	<=13	Pass
	3500.01	Outer_Full	12.98	/	/	<=13	Pass
	3510	Outer_Full	12.83	/	/	<=13	Pass

4.1.8 30k_SISO_90MHz_NTNV

5G NR n77d 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	3495	Outer_Full	12.11	/	/	<=13	Pass
	3500.01	Outer_Full	12.49	/	/	<=13	Pass
	3504.99	Outer_Full	12.38	/	/	<=13	Pass
DFT-s-OFDM QPSK	3495	Outer_Full	12.94	/	/	<=13	Pass
	3500.01	Outer_Full	12.96	/	/	<=13	Pass
	3504.99	Outer_Full	12.90	/	/	<=13	Pass

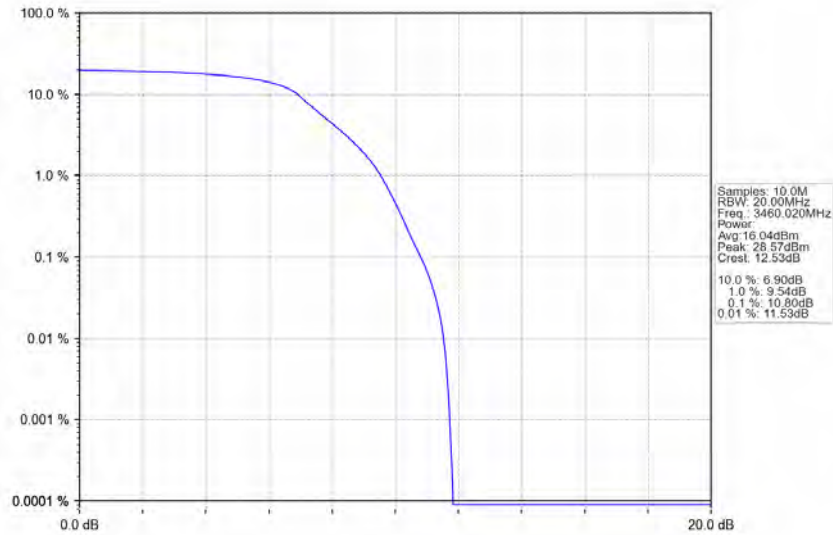
4.1.9 30k_SISO_100MHz_NTNV

5G NR n77d 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	3500.01	Outer_Full	12.71	/	/	<=13	Pass
DFT-s-OFDM QPSK	3500.01	Outer_Full	12.85	/	/	<=13	Pass

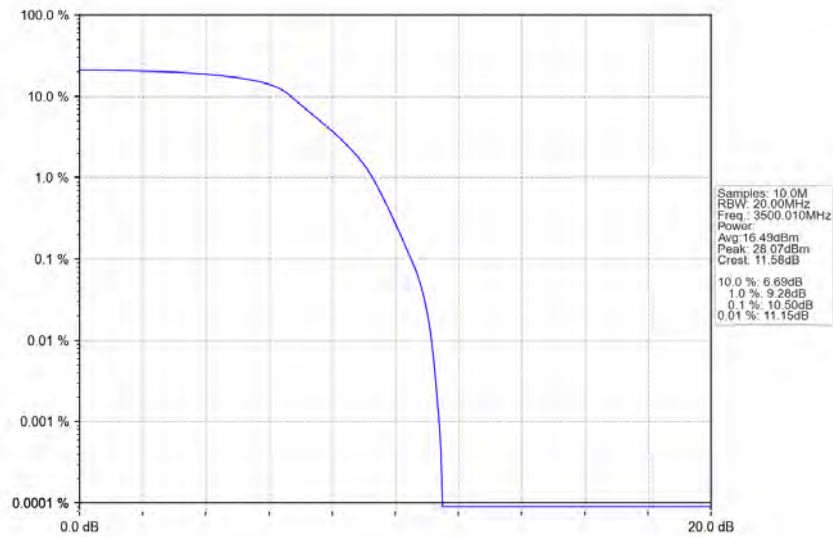
4.2 Test Graph

4.2.1 30k_SISO_20MHz_NTNV

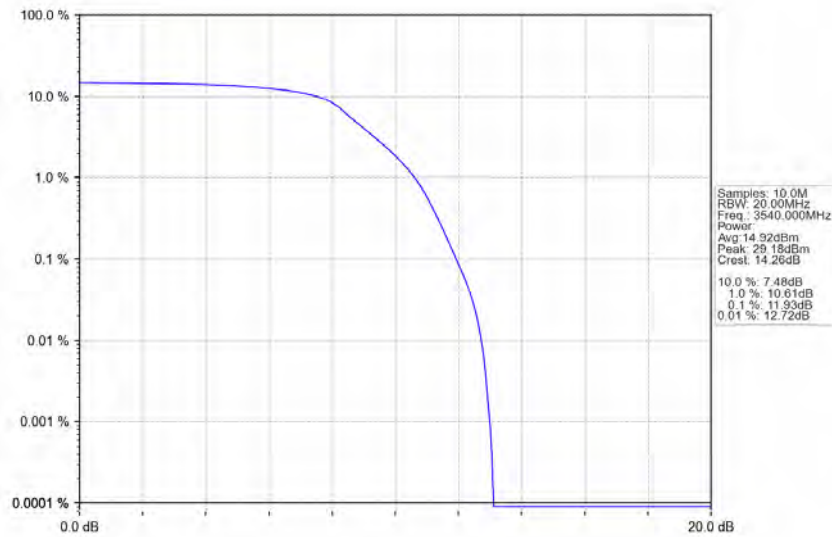
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Outer_Full



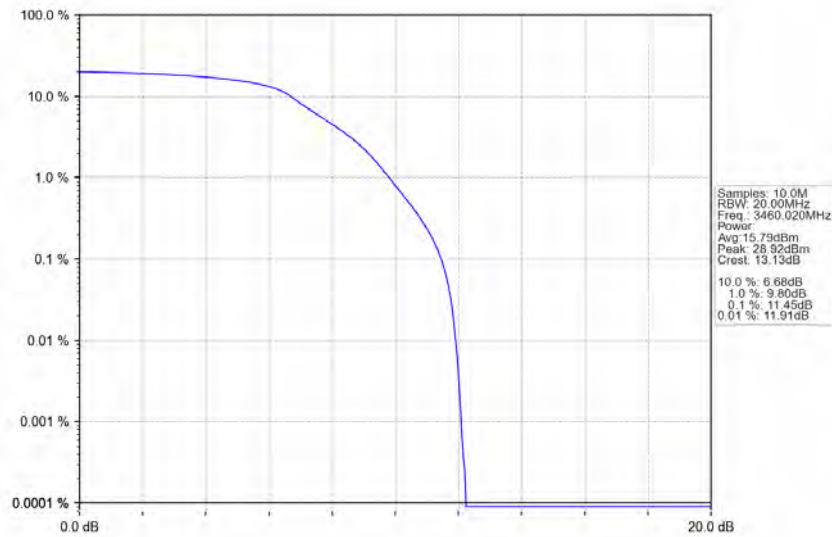
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



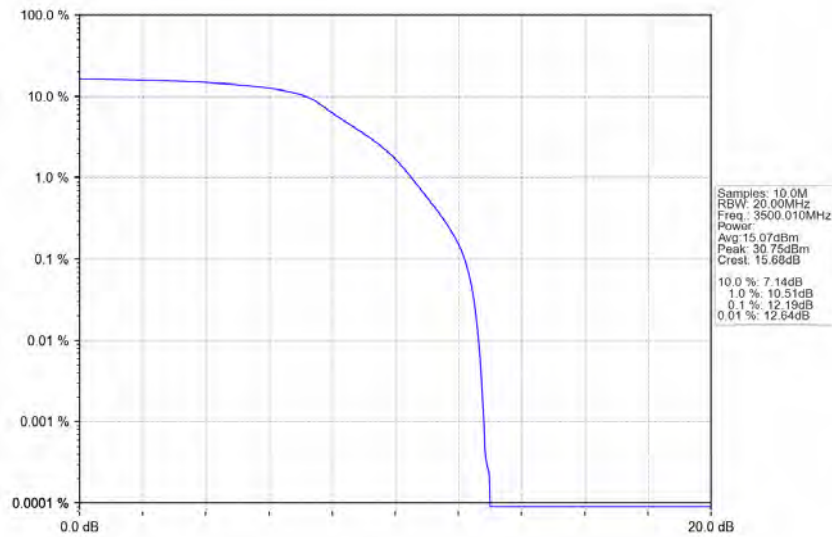
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3540MHz_Outer_Full



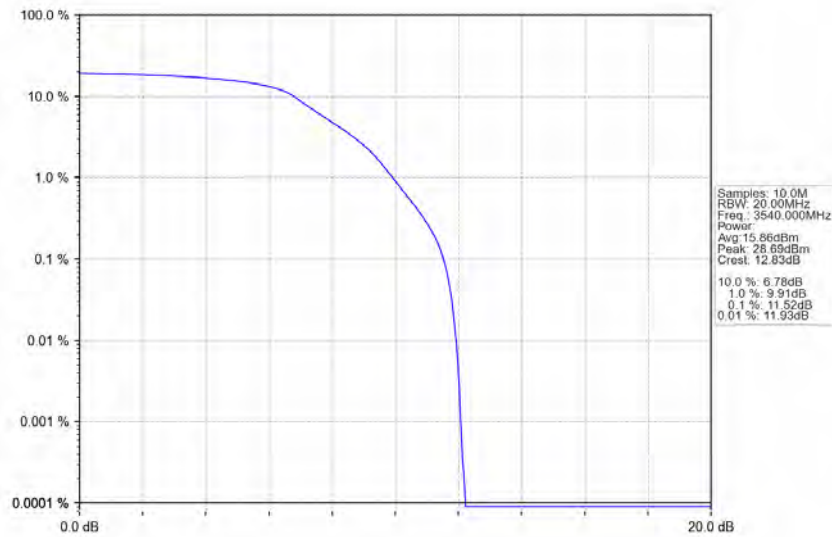
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3460.02MHz_Outer_Full



n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full

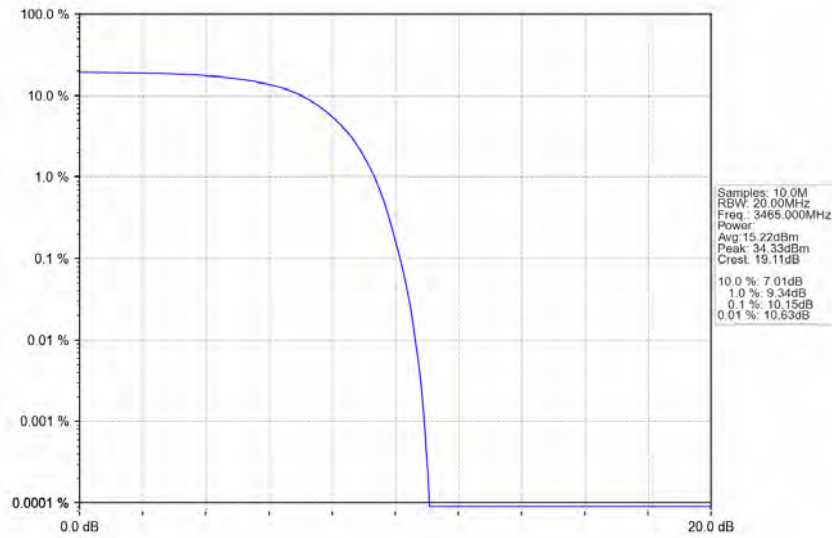


n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3540MHz_Outer_Full

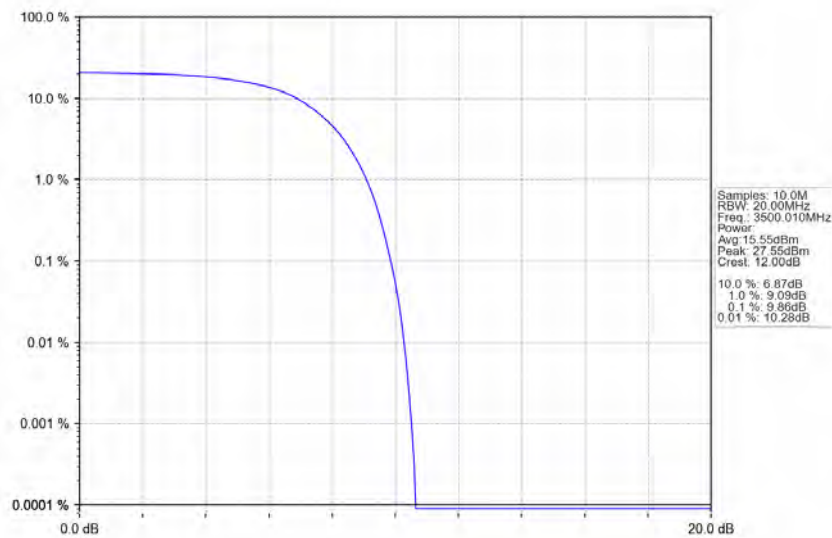


4.2.2 30k_SISO_30MHz_NTNV

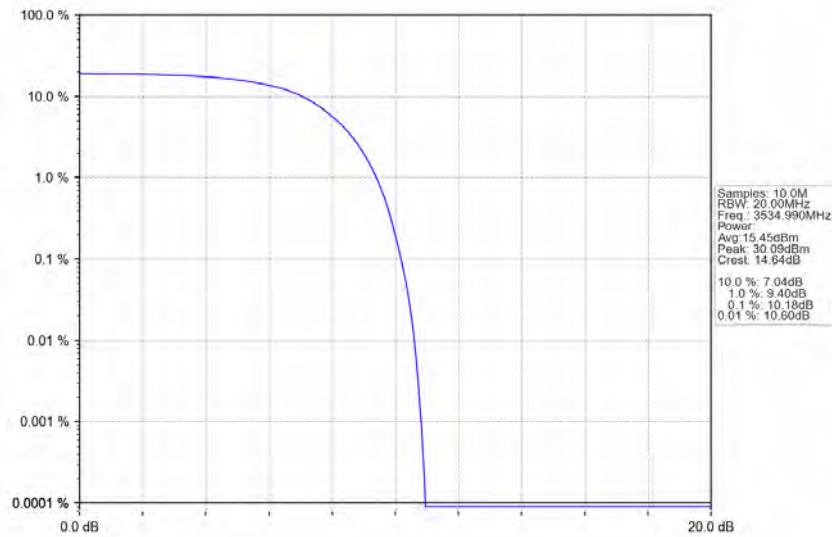
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3465MHz_Outer_Full



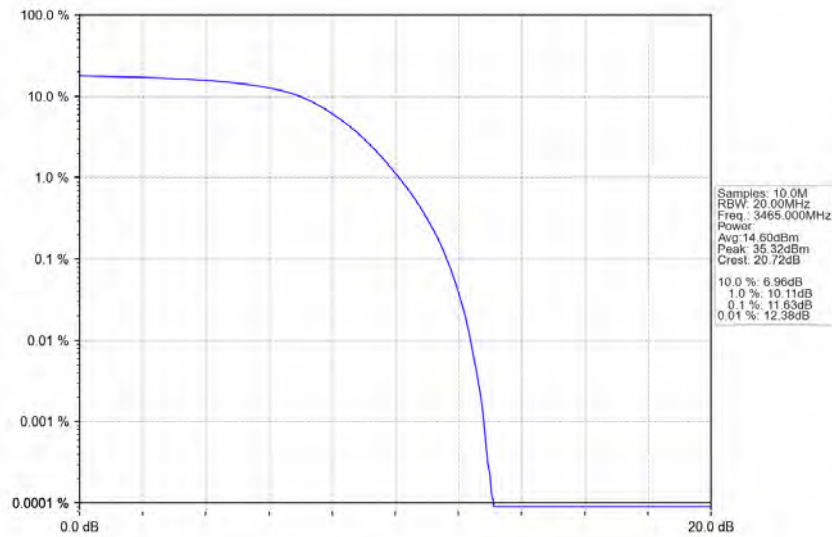
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



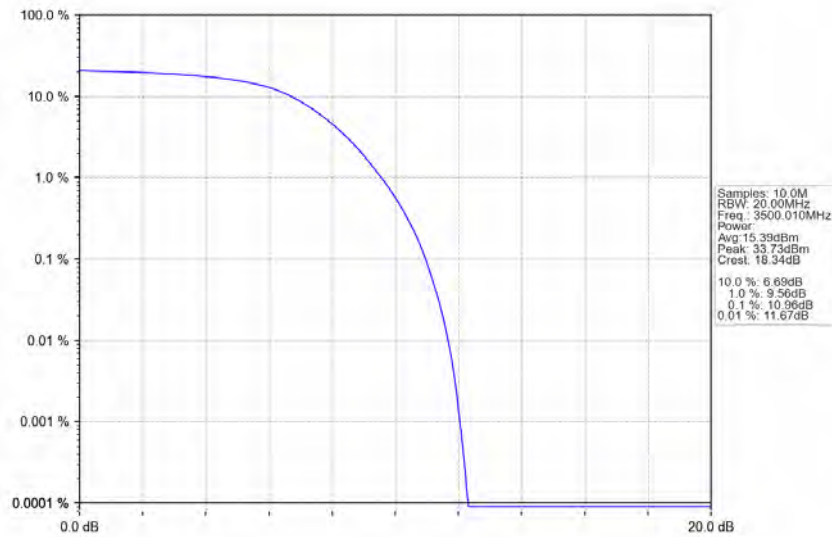
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_PI/2_BPSK_3534.99MHz_Outer_Full



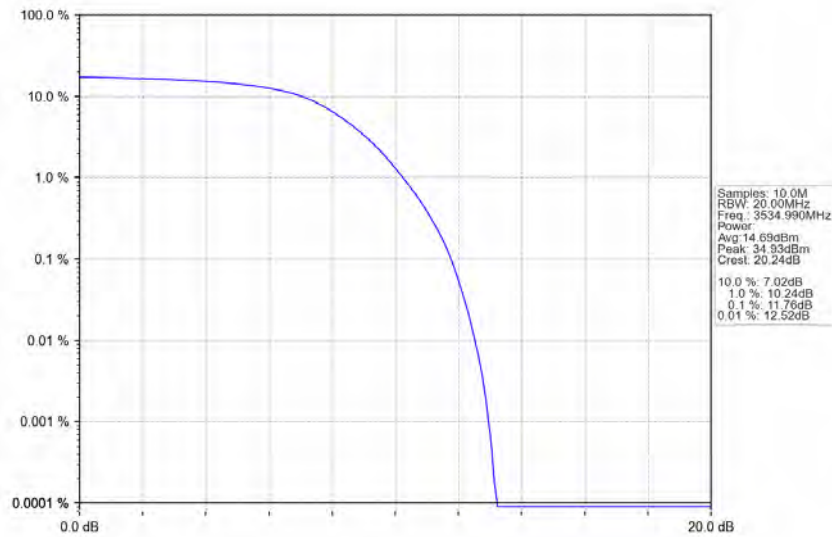
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3465MHz_Outer_Full



n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full

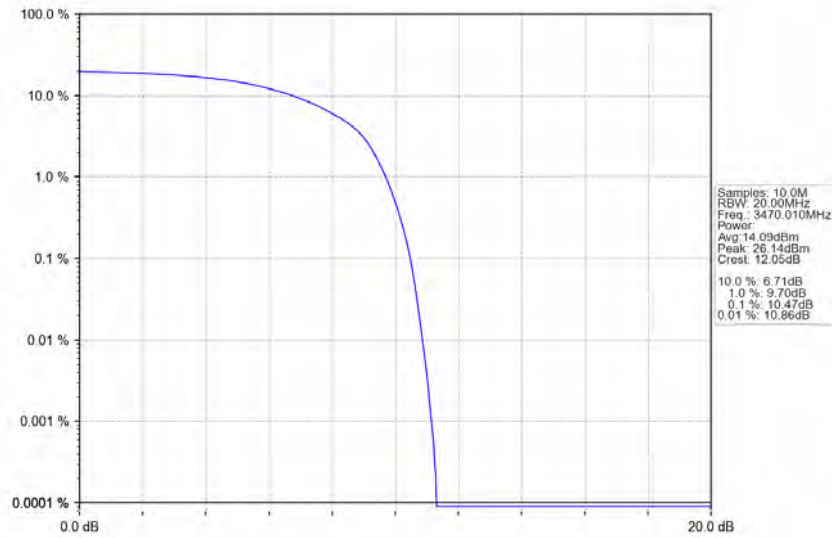


n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3534.99MHz_Outer_Full

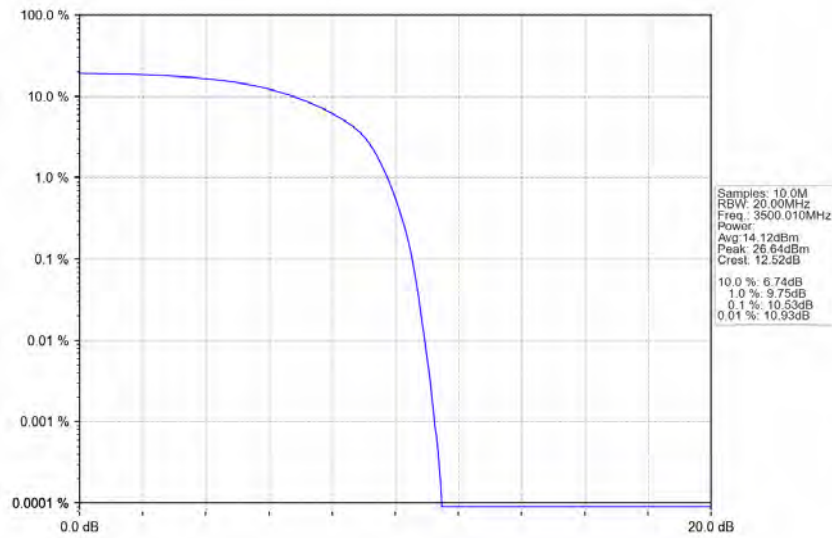


4.2.3 30k_SISO_40MHz_NTNV

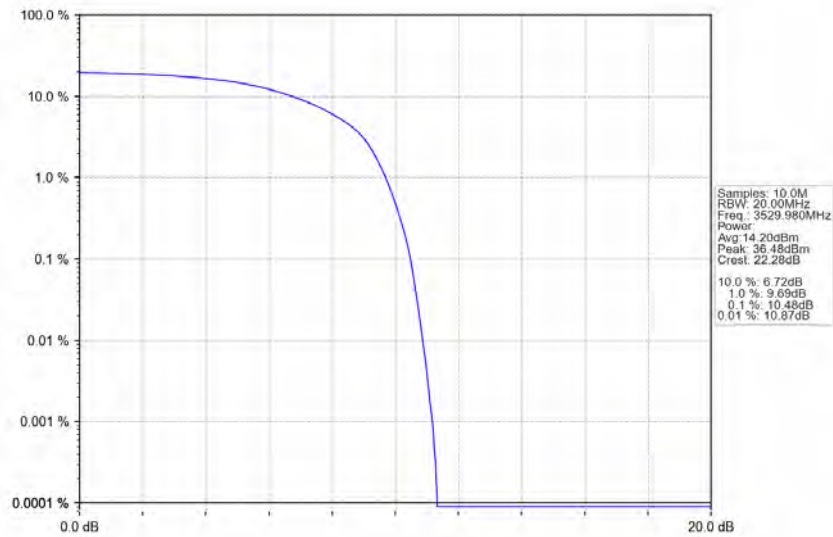
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3470.01MHz_Outer_Full



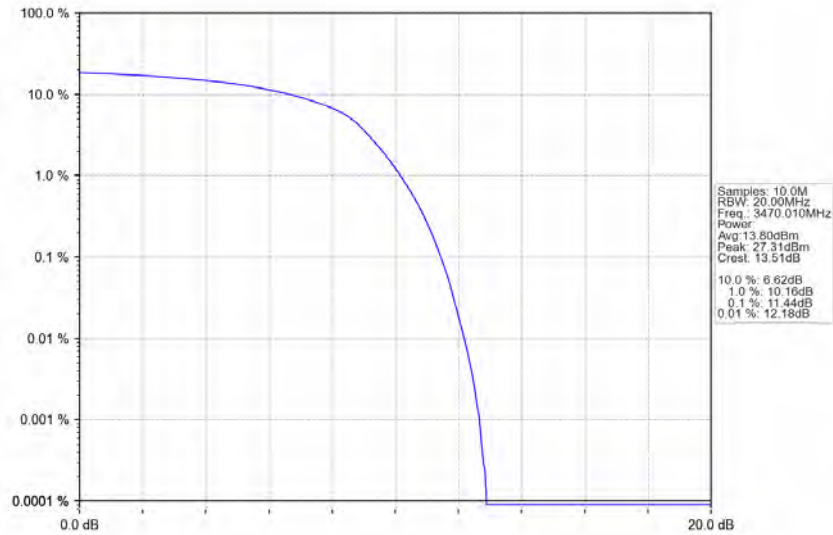
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



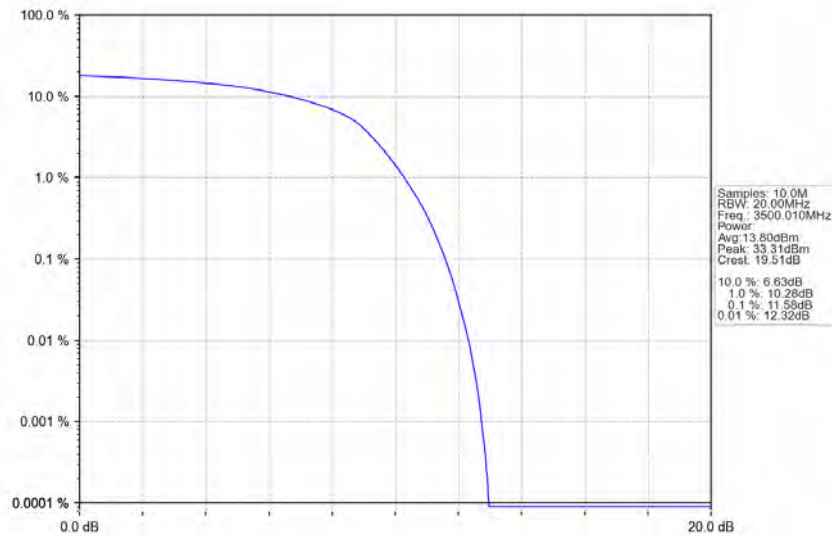
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_PI/2_BPSK_3529.98MHz_Outer_Full



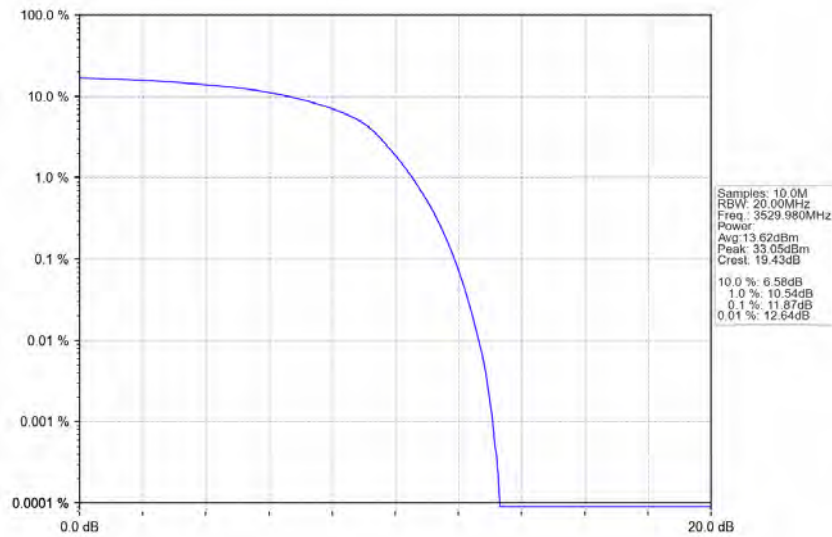
n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3470.01MHz_Outer_Full



n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full

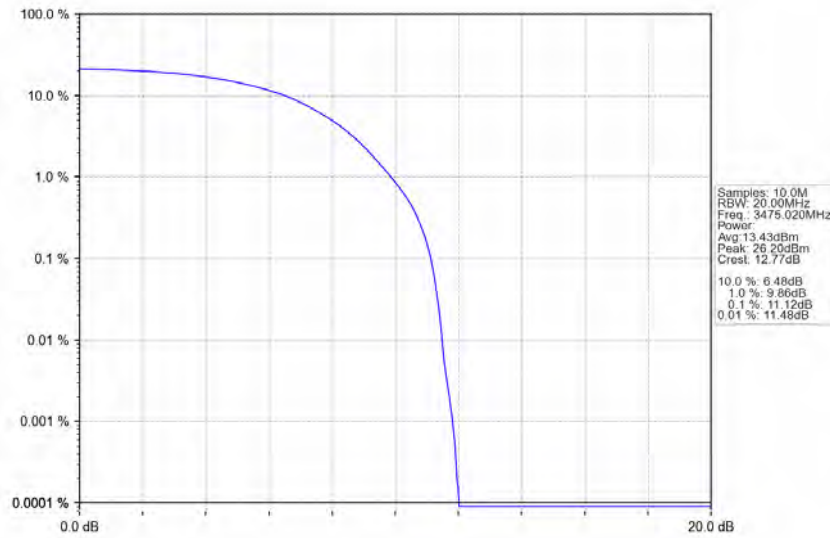


n77d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3529.98MHz_Outer_Full

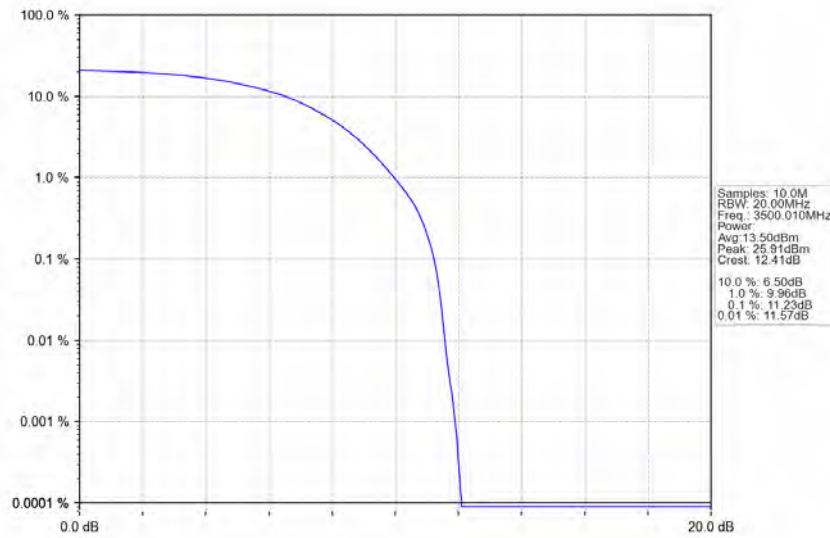


4.2.4 30k_SISO_50MHz_NTNV

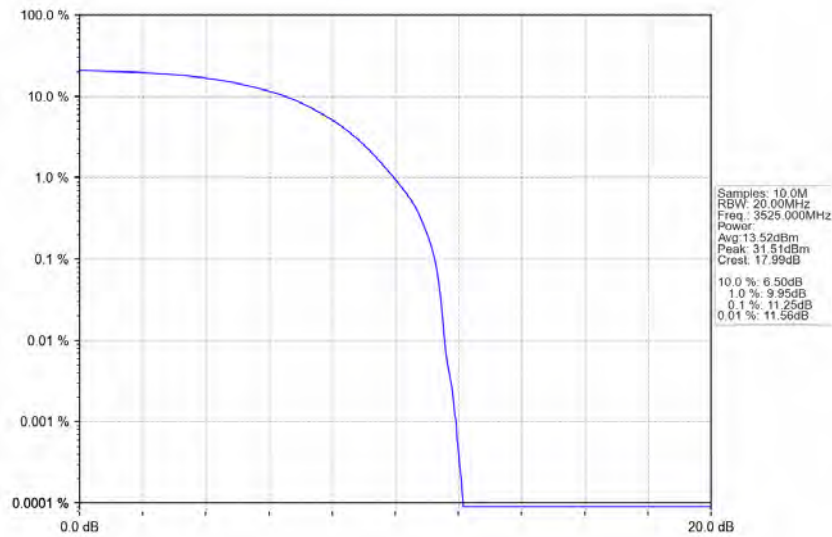
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3475.02MHz_Outer_Full



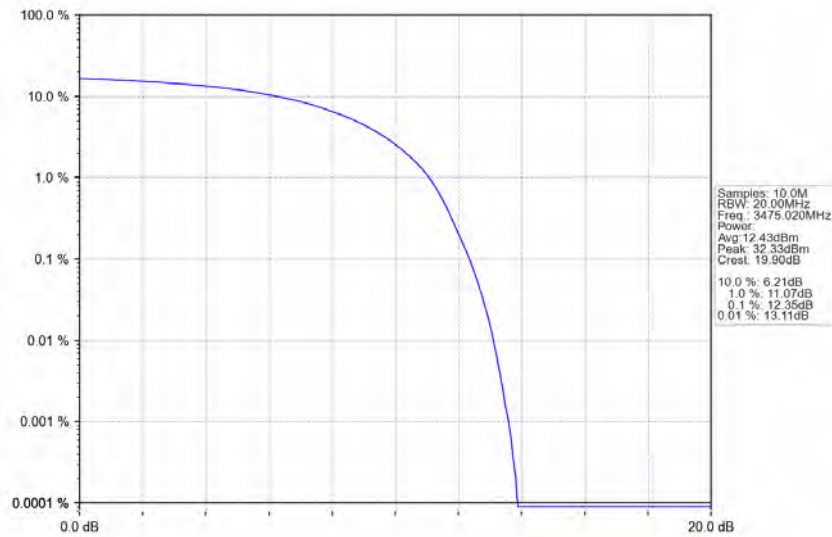
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



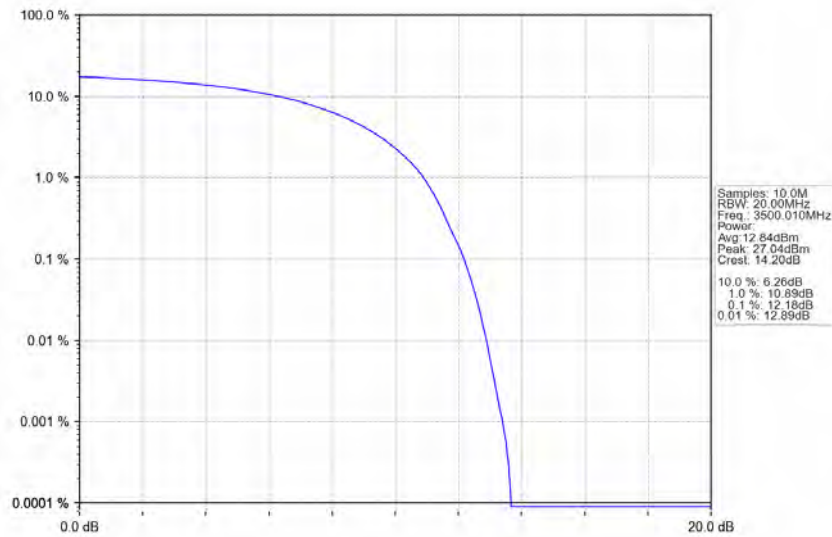
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_PI/2_BPSK_3525MHz_Outer_Full



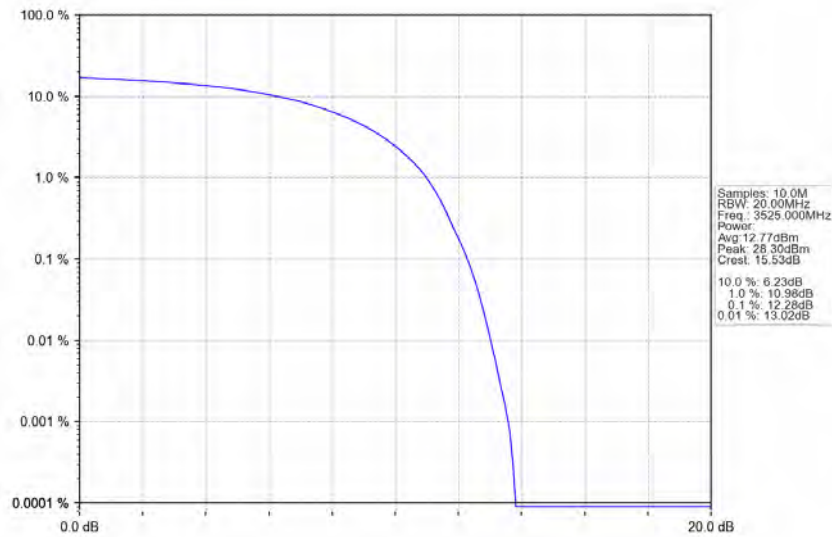
n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3475.02MHz_Outer_Full



n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full

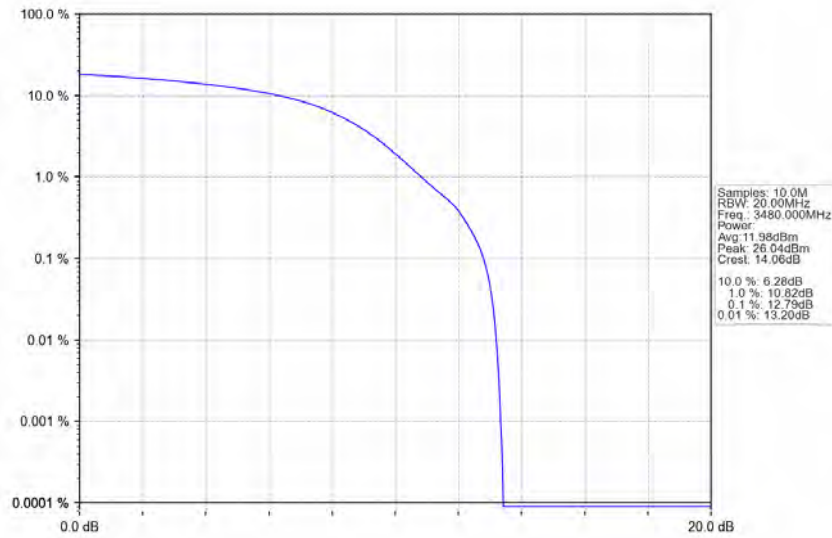


n77d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3525MHz_Outer_Full

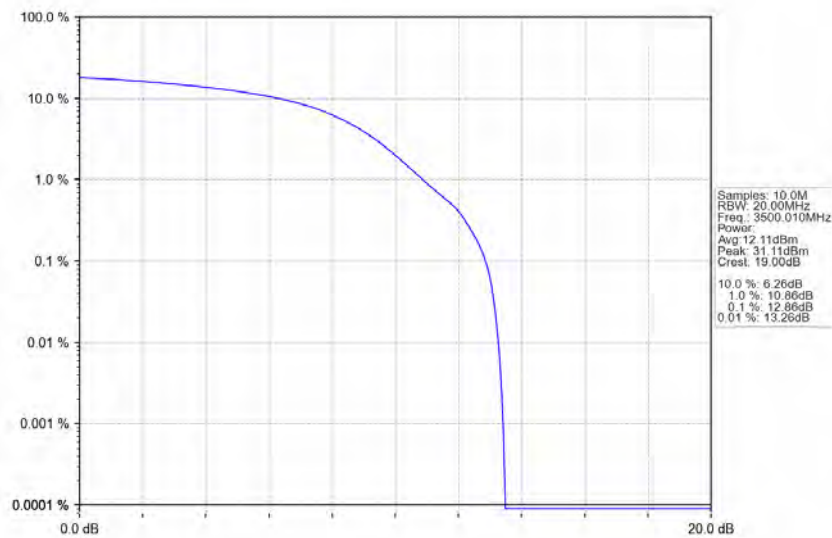


4.2.5 30k_SISO_60MHz_NTNV

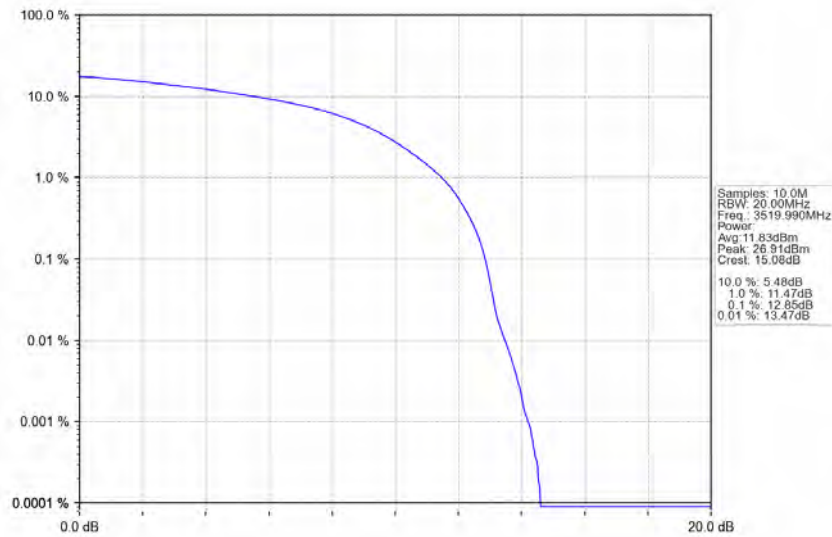
n77d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3480MHz_Outer_Full



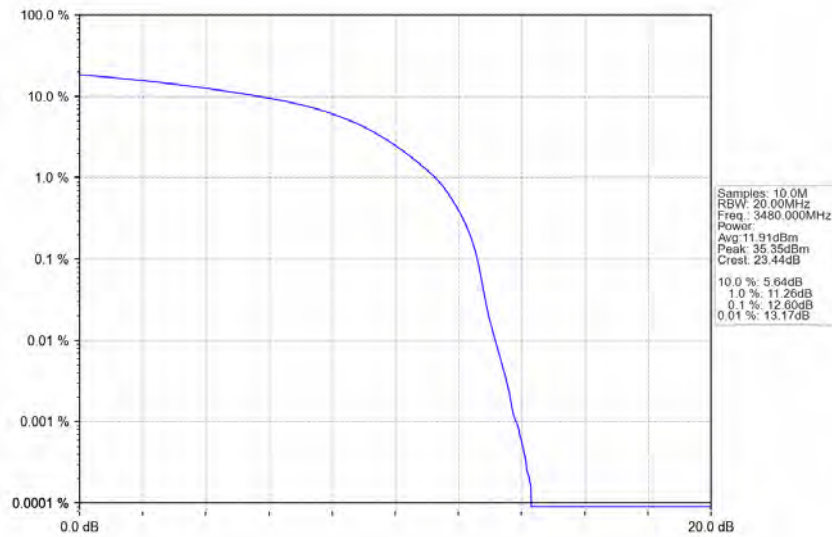
n77d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



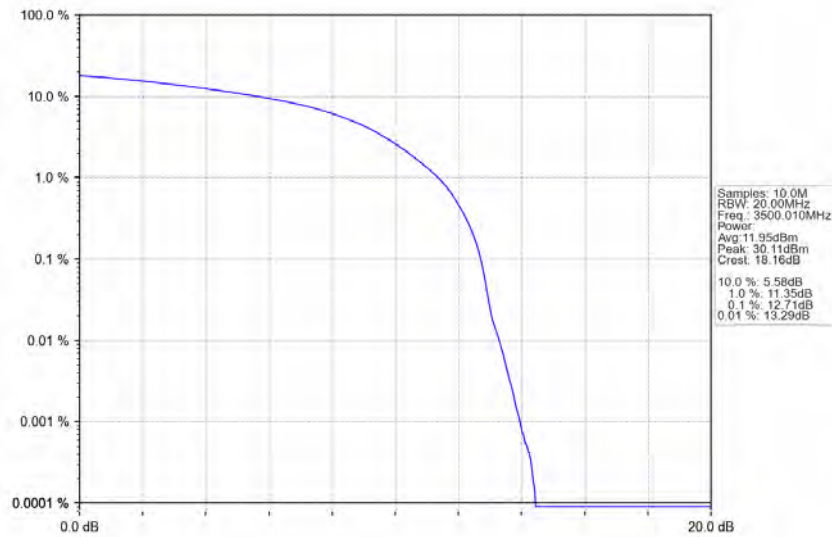
n77d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_PI/2_BPSK_3519.99MHz_Outer_Full



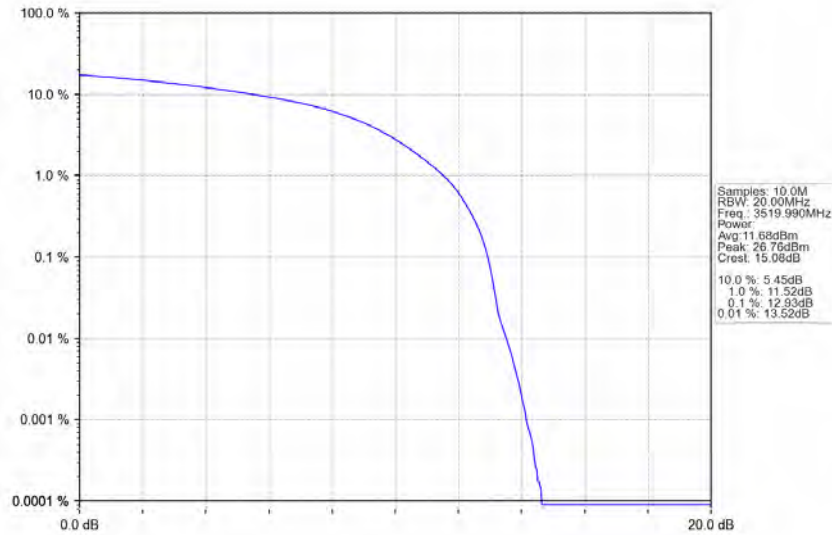
n77d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_QPSK_3480MHz_Outer_Full



n77d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full

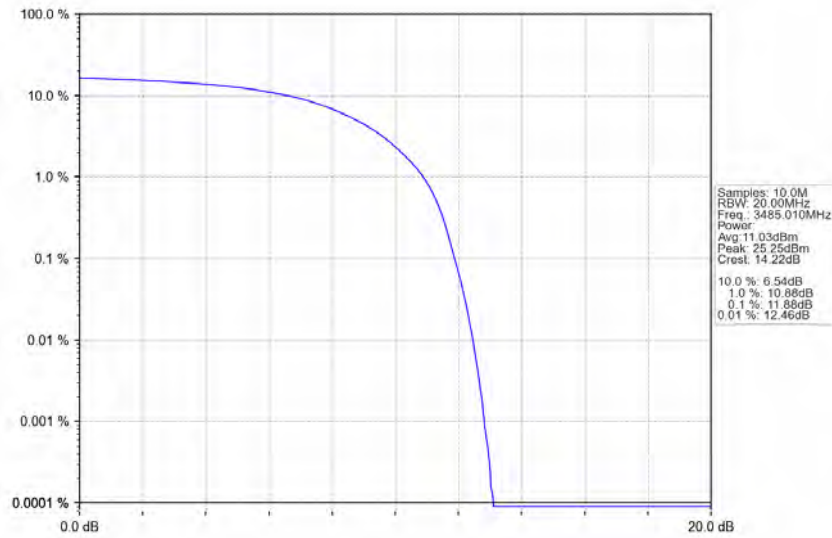


n77d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_QPSK_3519.99MHz_Outer_Full

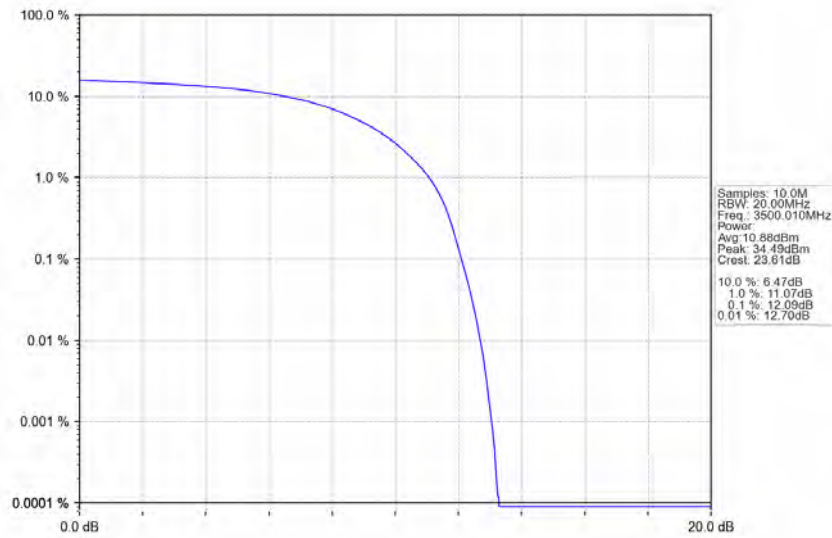


4.2.6 30k_SISO_70MHz_NTNV

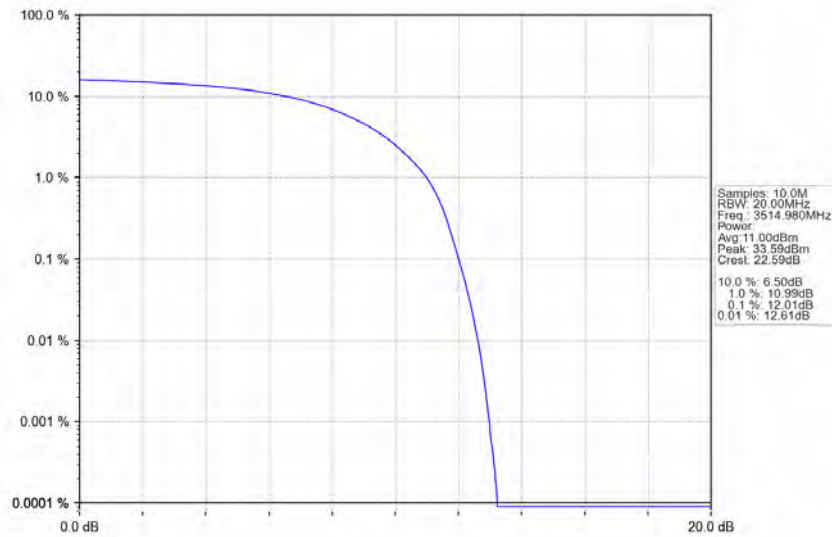
n77d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3485.01MHz_Outer_Full



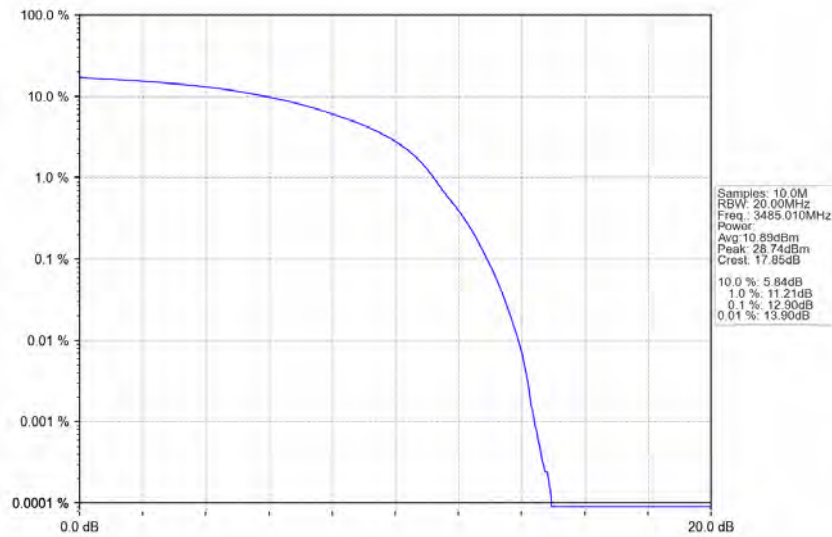
n77d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



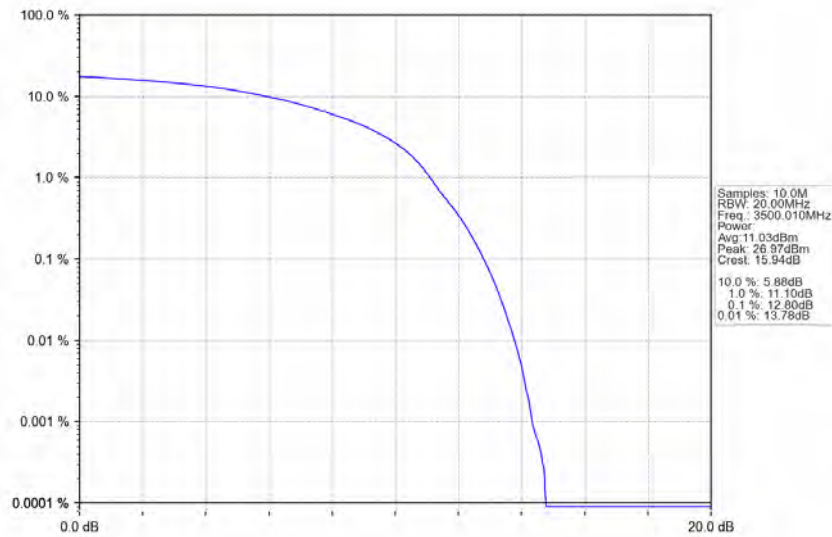
n77d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_PI/2_BPSK_3514.98MHz_Outer_Full



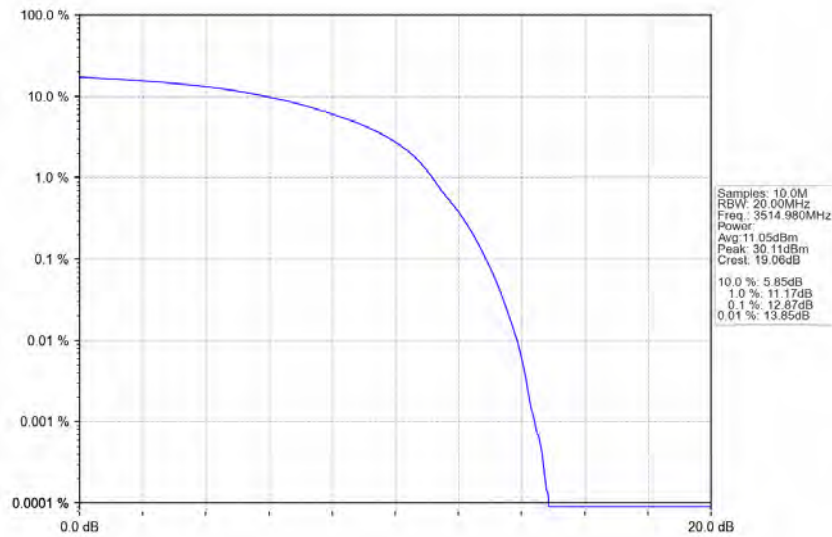
n77d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_QPSK_3485.01MHz_Outer_Full



n77d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full

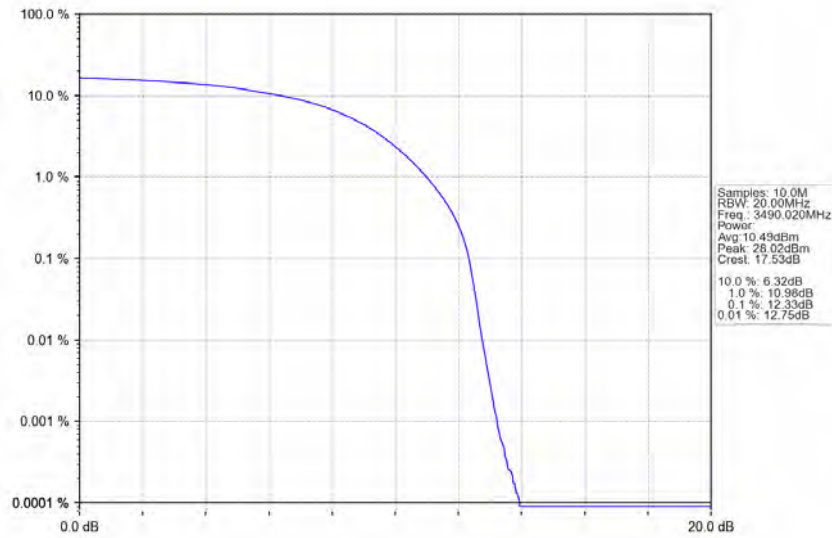


n77d_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_QPSK_3514.98MHz_Outer_Full

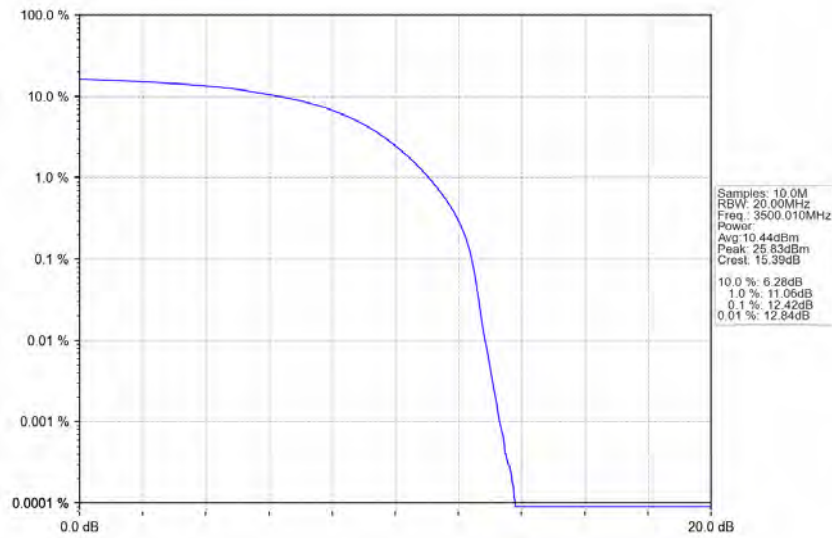


4.2.7 30k_SISO_80MHz_NTNV

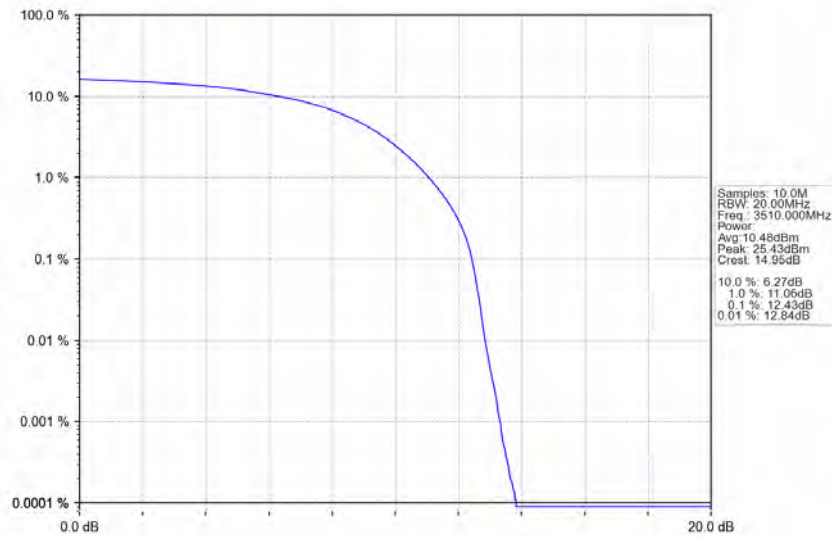
n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3490.02MHz_Outer_Full



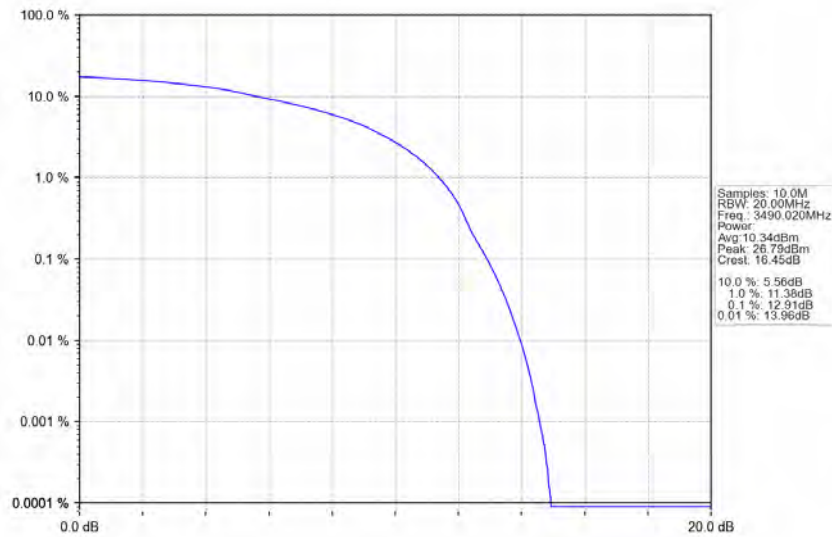
n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



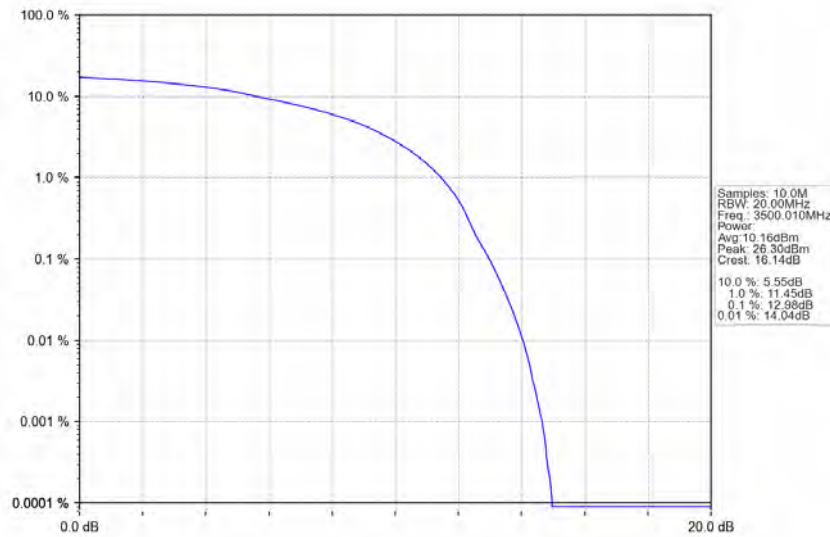
n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_PI/2_BPSK_3510MHz_Outer_Full



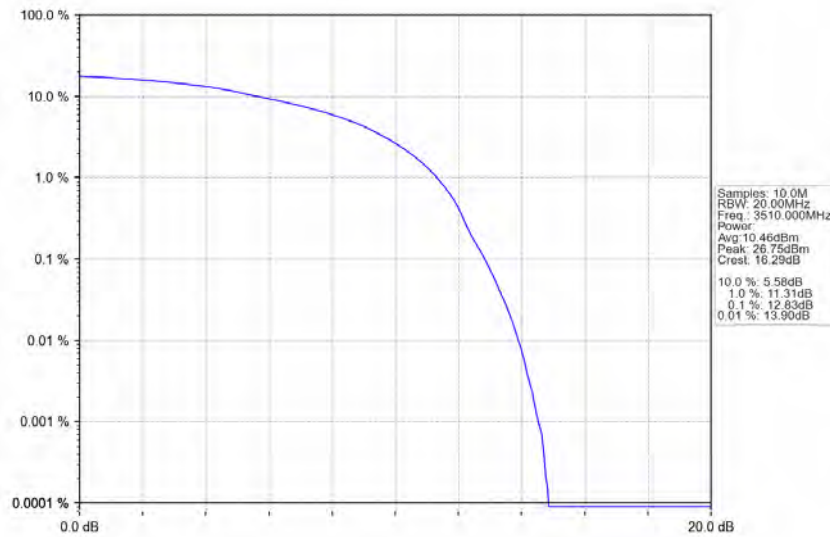
n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_QPSK_3490.02MHz_Outer_Full



n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full

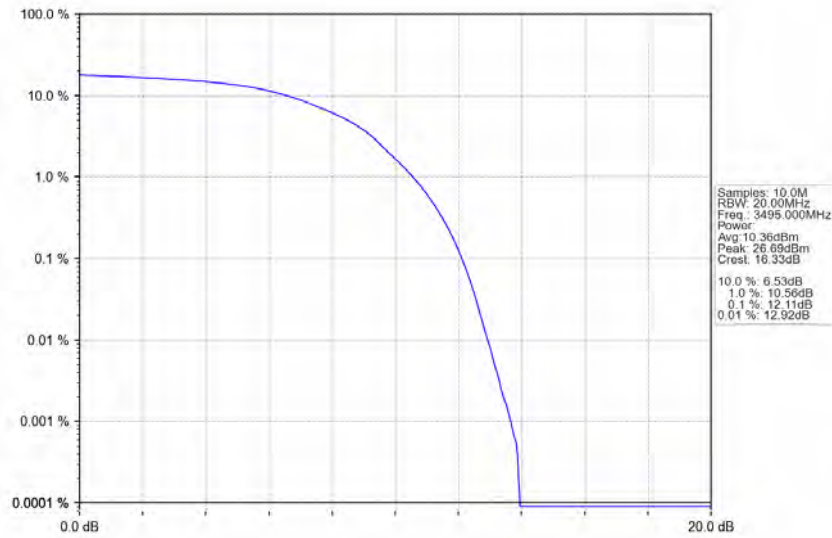


n77d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_QPSK_3510MHz_Outer_Full

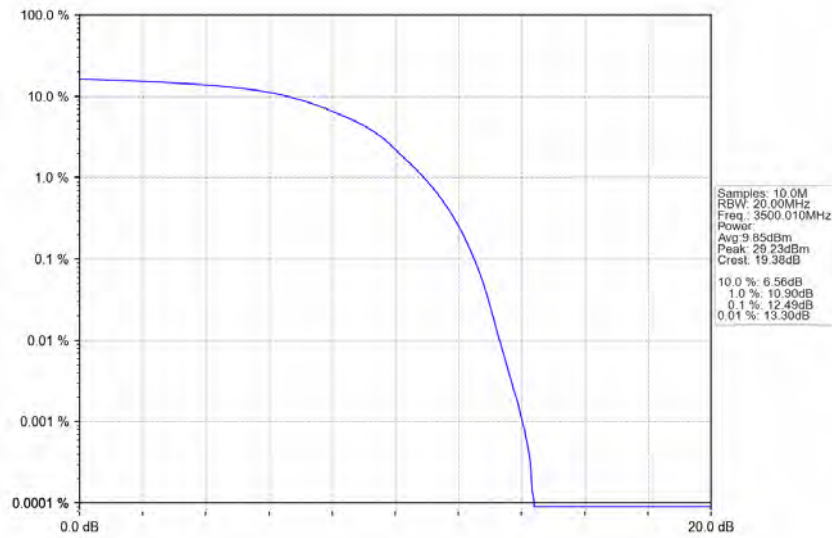


4.2.8 30k_SISO_90MHz_NTNV

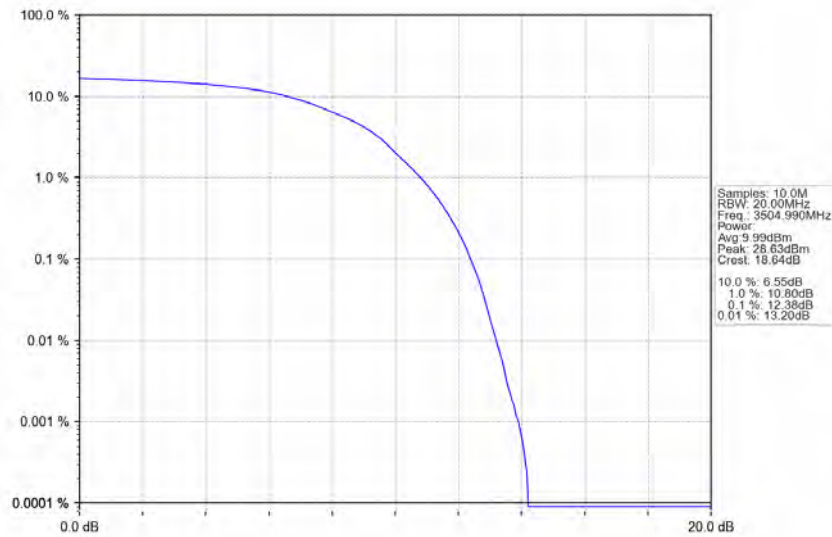
n77d_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3495MHz_Outer_Full



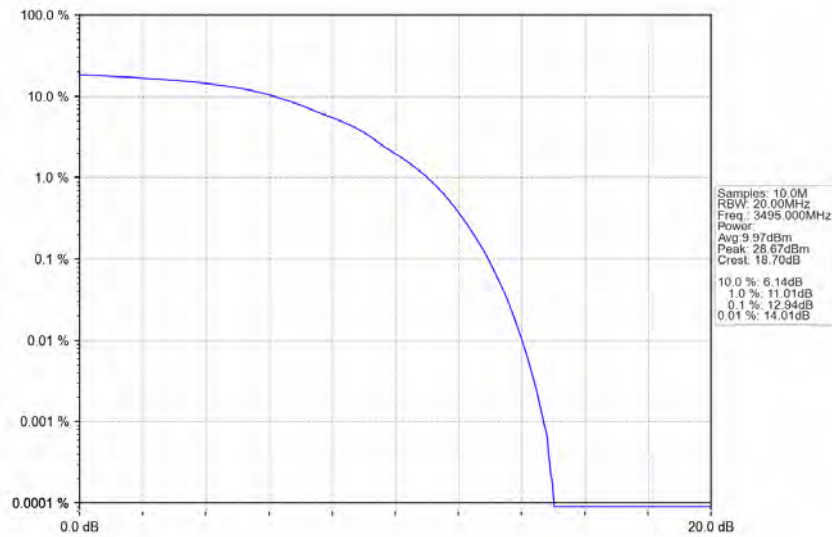
n77d_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



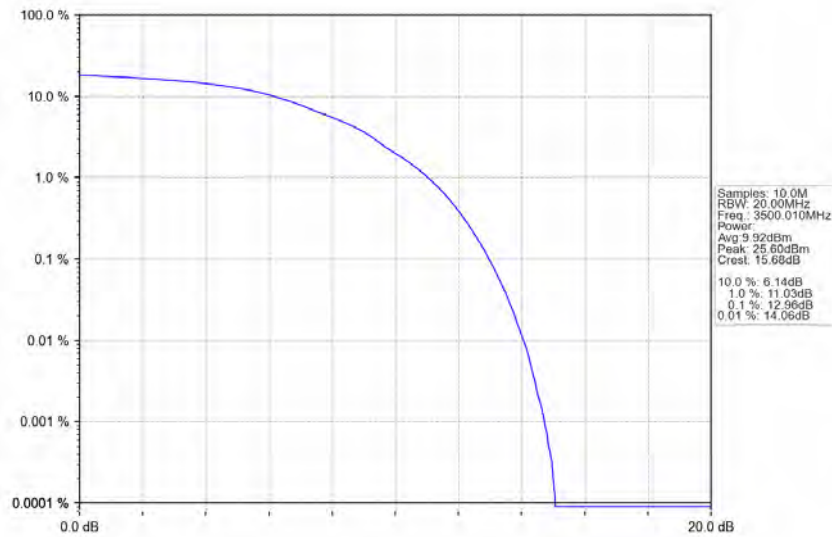
n77d_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_PI/2_BPSK_3504.99MHz_Outer_Full



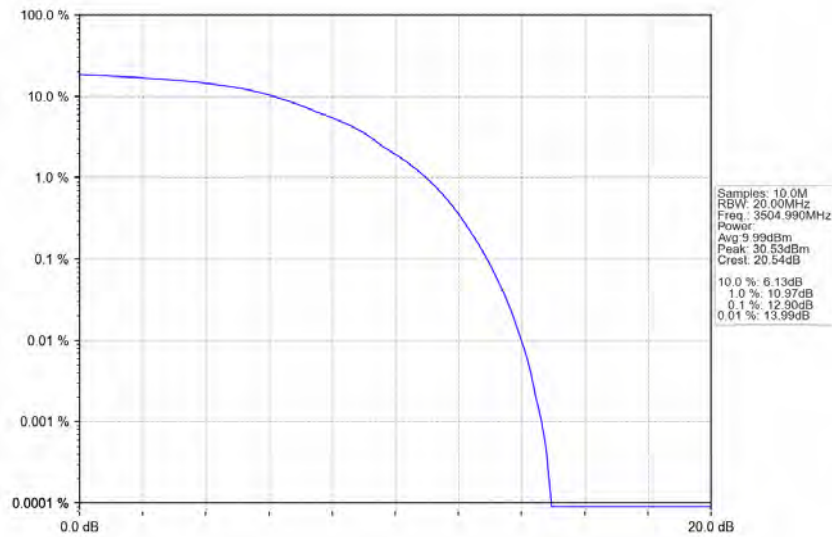
n77d_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_QPSK_3495MHz_Outer_Full



n77d_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_QPSK_3500.01MHz_Outer_Full

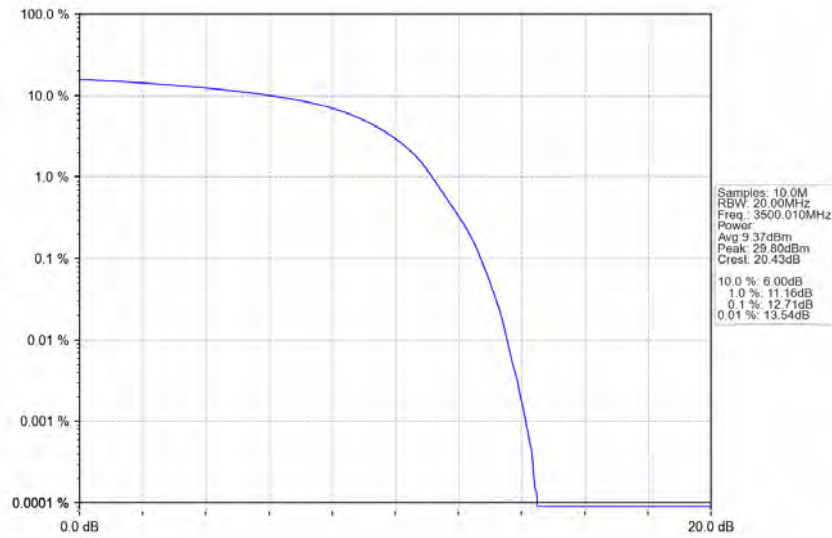


n77d_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_QPSK_3504.99MHz_Outer_Full

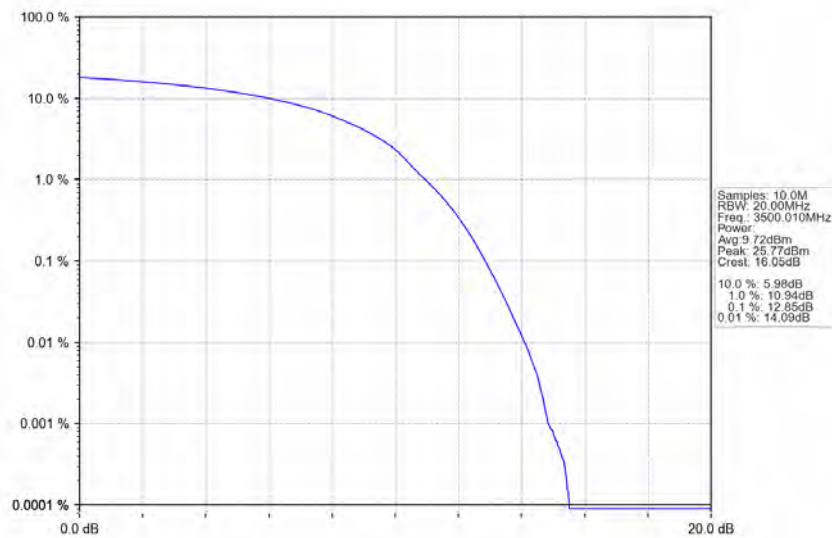


4.2.9 30k_SISO_100MHz_NTNV

n77d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3500.01MHz_Outer_Full



n77d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3500.01MHz_Outer_Full



5. Spurious Emission

5.1 Test Result

5.1.1 30k_SISO_20MHz_NTNV

5G NR n77d SCS=30kHz SISO 20MHz NTNv								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant1	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3460.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3540	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3460.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3540	Edge_1RB_Right	Refer To Test Graph				Pass
	Outer_Full		Refer To Test Graph				Pass	
CP-OFDM QPSK	3460.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3540	Edge_1RB_Right	Refer To Test Graph				Pass
	Outer_Full		Refer To Test Graph				Pass	

5.1.2 30k_SISO_30MHz_NTNV

5G NR n77d SCS=30kHz SISO 30MHz NTNv								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant1	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3465	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3534.99	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3465	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3534.99	Edge_1RB_Right	Refer To Test Graph				Pass
	Outer_Full		Refer To Test Graph				Pass	
CP-OFDM QPSK	3465	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3534.99	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass

5.1.3 30k_SISO_40MHz_NTNV

5G NR n77d SCS=30kHz SISO 40MHz NTV				
Modulation	Frequency	RB	Spurious Emission	Verdict

	(MHz)	Allocation	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3470.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3529.98	Outer_Full	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3470.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3529.98	Outer_Full	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3470.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3529.98	Outer_Full	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.1.4 30k_SISO_50MHz_NTNV

5G NR n77d SCS=30kHz SISO 50MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3475.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3525	Outer_Full	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3475.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3525	Outer_Full	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3475.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3525	Outer_Full	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

5.1.5 30k_SISO_60MHz_NTNV

5G NR n77d SCS=30kHz SISO 60MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3480	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3519.99	Outer_Full	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3480	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3519.99	Outer_Full	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3480	Edge_1RB_Left	Refer To Test Graph				Pass

	3500.01	Outer_Full	Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
	3519.99	Edge_1RB_Right	Refer To Test Graph	Pass
		Outer_Full	Refer To Test Graph	Pass

5.1.6 30k_SISO_70MHz_NTNV

5G NR n77d SCS=30kHz SISO 70MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3485.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3514.98	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK		3485.01	Edge_1RB_Left	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3514.98	Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK		3485.01	Edge_1RB_Left	Refer To Test Graph			
	Outer_Full		Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
	3514.98	Outer_Full	Refer To Test Graph				Pass

5.1.7 30k_SISO_80MHz_NTNV

5G NR n77d SCS=30kHz SISO 80MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant1	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3490.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3510	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3490.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3510	Edge_1RB_Right	Refer To Test Graph				Pass
	Outer_Full		Refer To Test Graph				Pass	
CP-OFDM QPSK	3490.02	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass	
		3510	Edge_1RB_Right	Refer To Test Graph				Pass
	Outer_Full		Refer To Test Graph				Pass	

5.1.8 30k_SISO_90MHz_NTNV

5G NR n77d SCS=30kHz SISO 90MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3495	Edge 1RB Left	Refer To Test Graph				Pass

	3500.01	Outer_Full	Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
DFT-s-OFDM QPSK	3504.99	Outer_Full	Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
	3495	Outer_Full	Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass
CP-OFDM QPSK	3504.99	Outer_Full	Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
	3495	Outer_Full	Refer To Test Graph	Pass
		Edge_1RB_Left	Refer To Test Graph	Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph	Pass
		Edge_1RB_Right	Refer To Test Graph	Pass

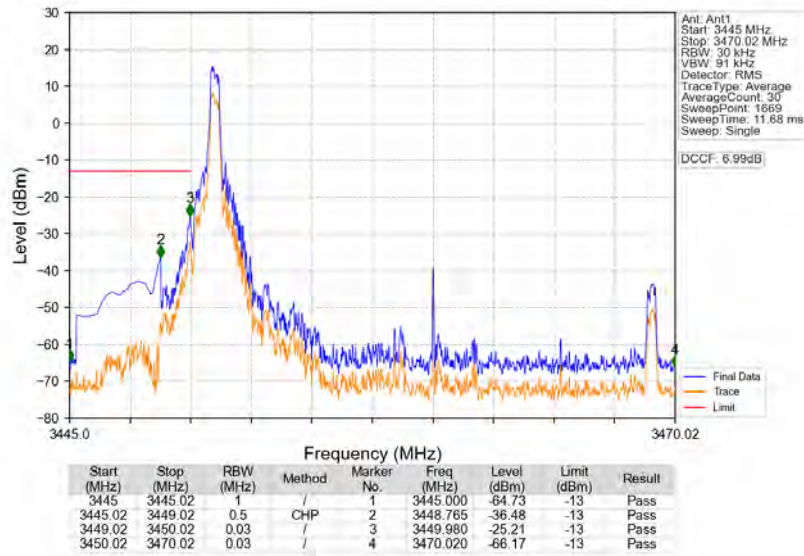
5.1.9 30k_SISO_100MHz_NTNV

5G NR n77d SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass

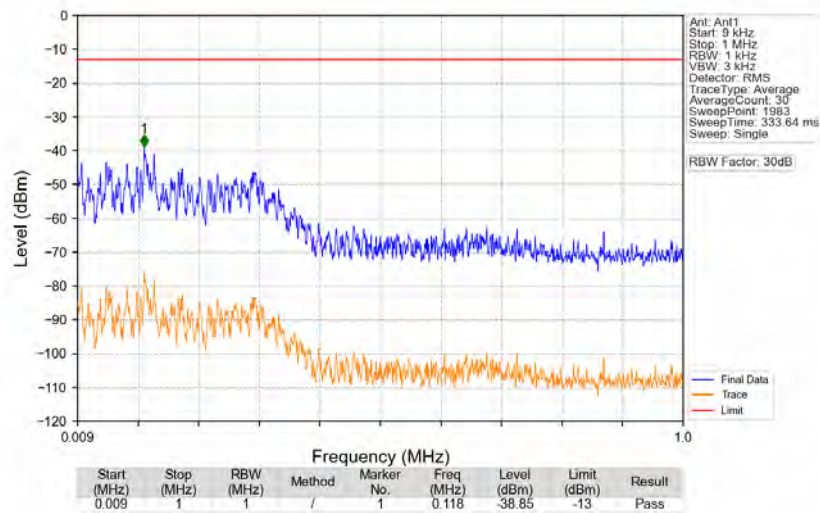
5.2 Test Graph

5.2.1 30k_SISO_20MHz_NTNV

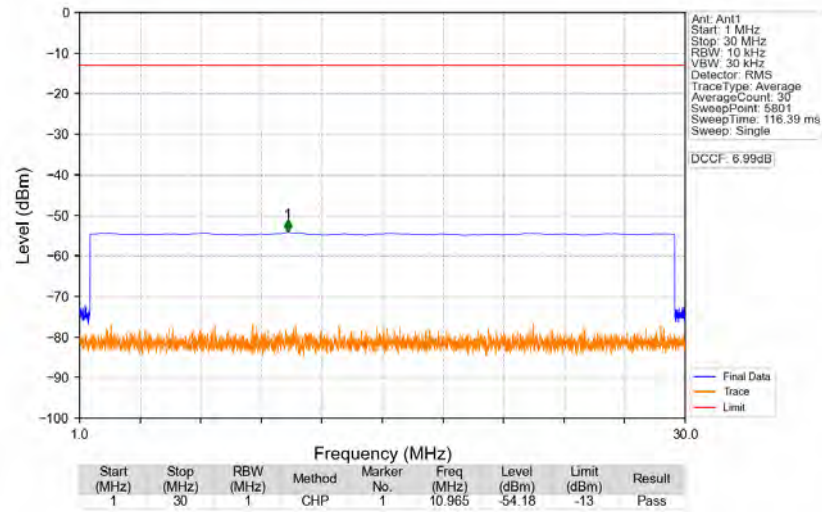
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Edge_1RB_Left



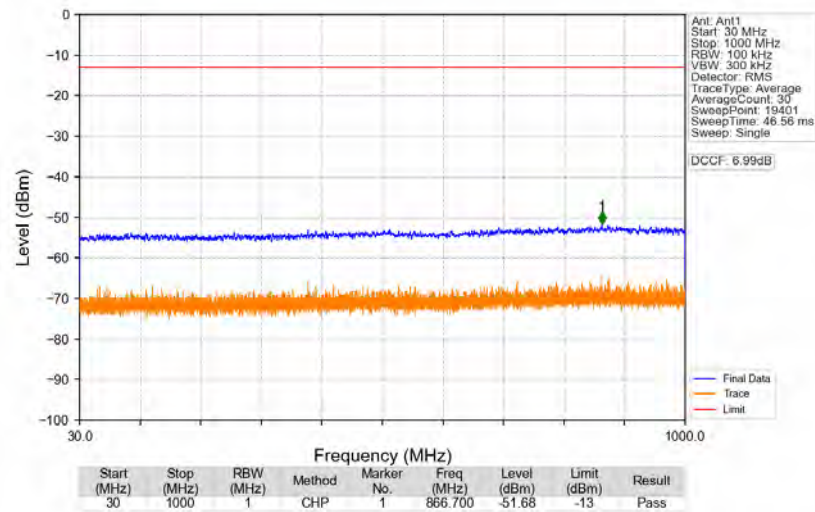
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3460.02MHz_Edge_1RB_Left



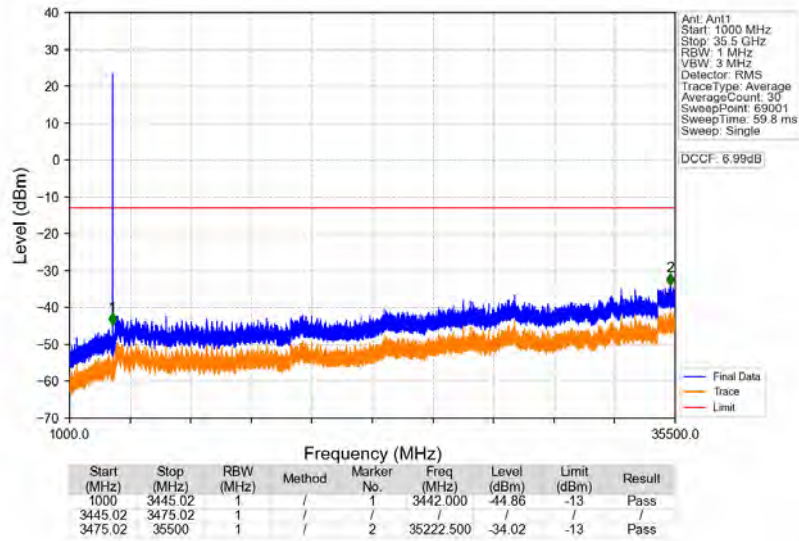
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK 3460.02MHz_Edge_1RB_Left



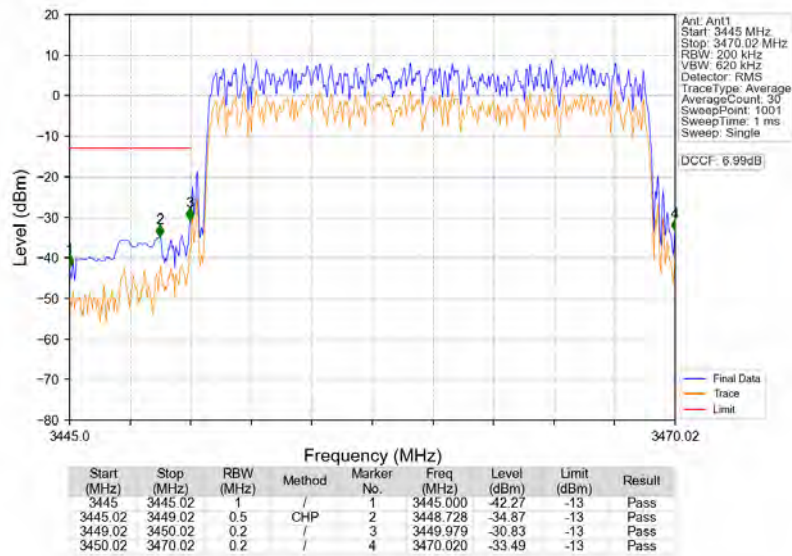
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK 3460.02MHz_Edge_1RB_Left



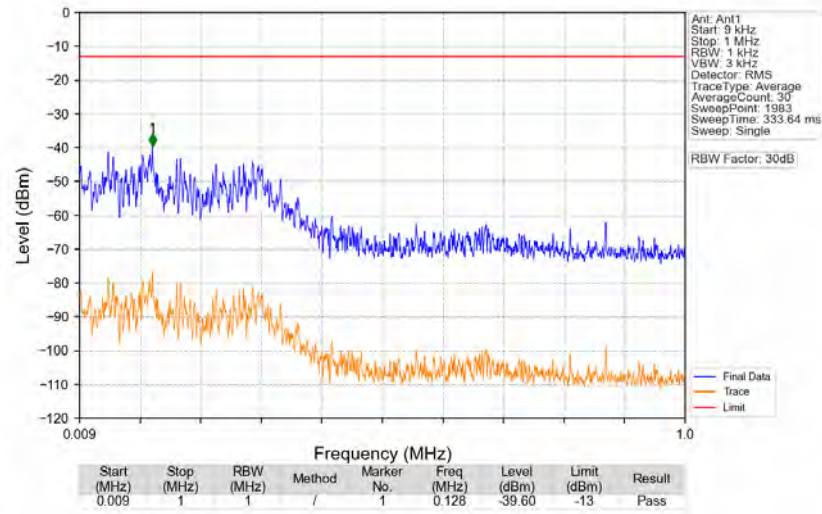
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3460.02MHz_Edge_1RB_Left



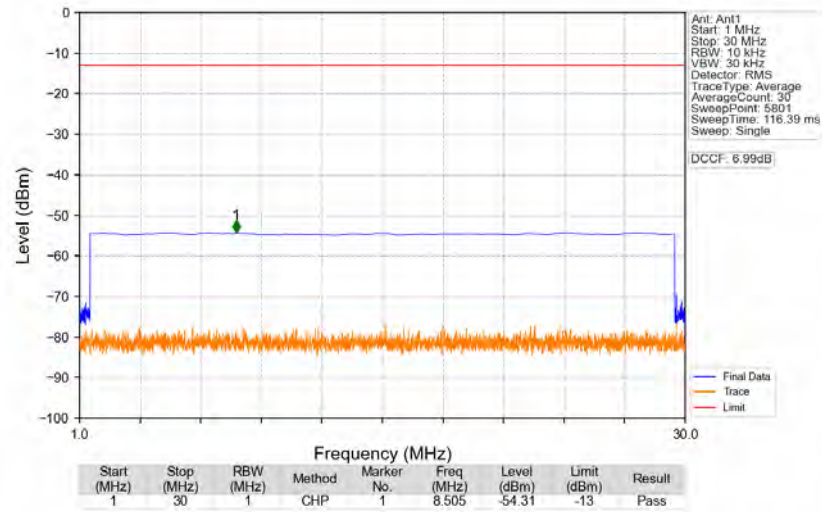
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3460.02MHz_Outer_Full



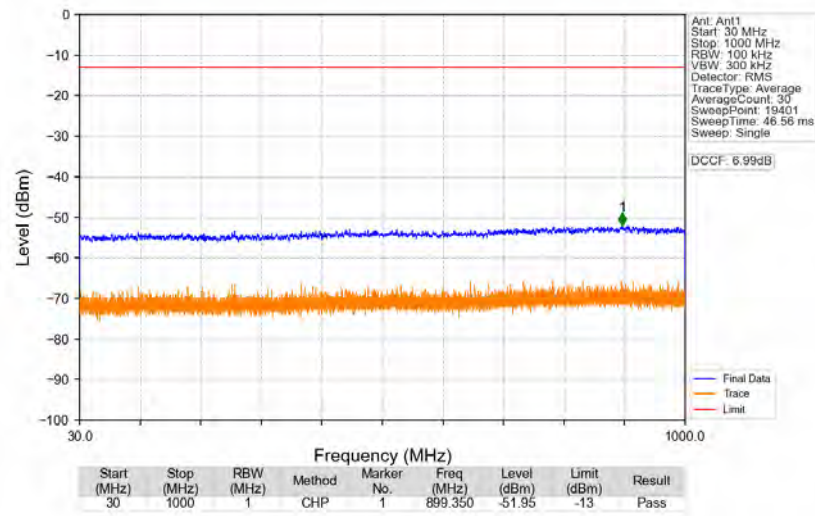
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK 3500.01MHz_Edge_1RB_Left



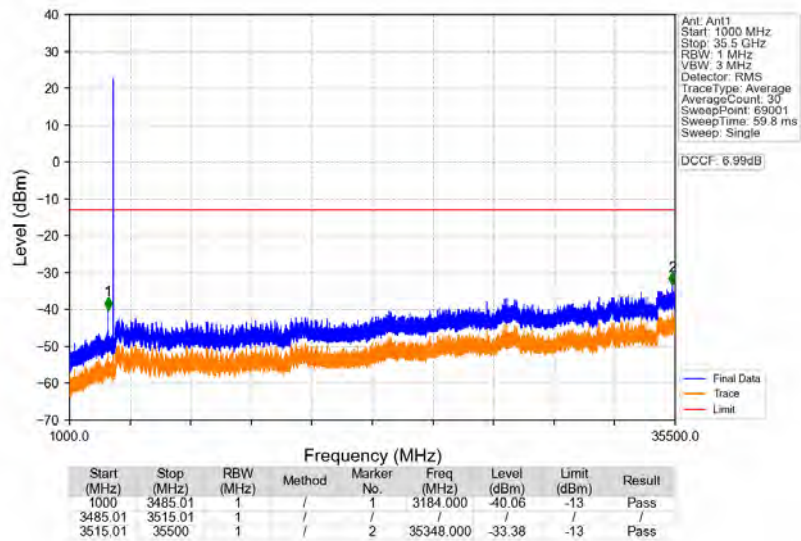
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK 3500.01MHz_Edge_1RB_Left



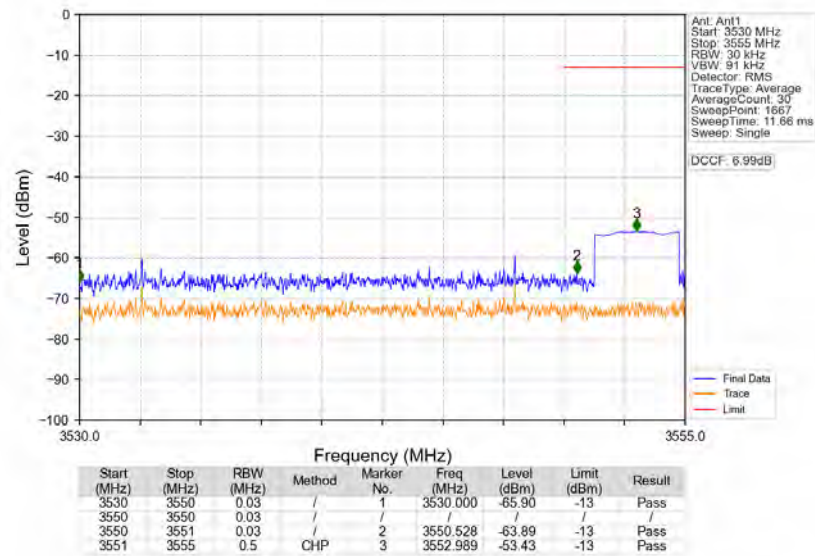
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3500.01MHz_Edge_1RB_Left



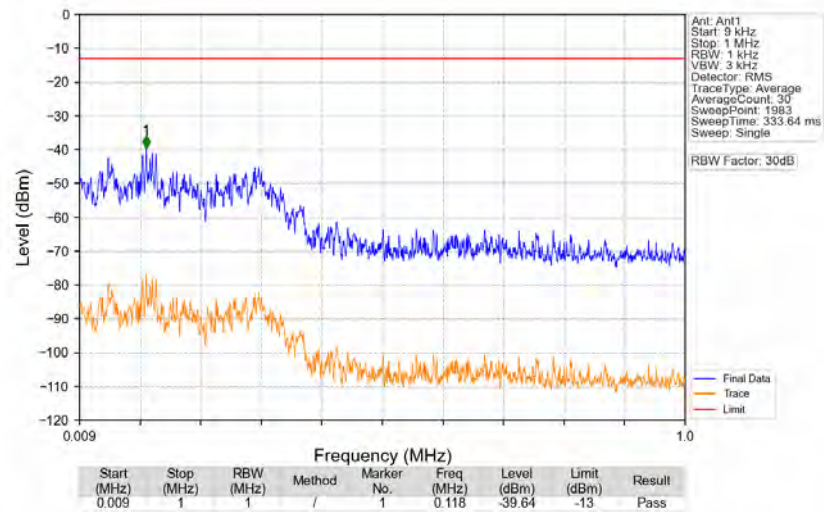
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3500.01MHz_Edge_1RB_Left



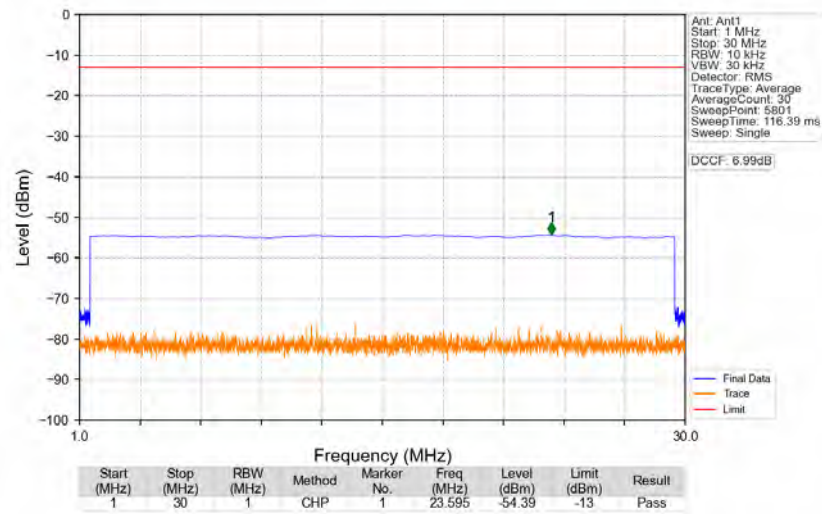
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3540MHz_Edge_1RB_Right



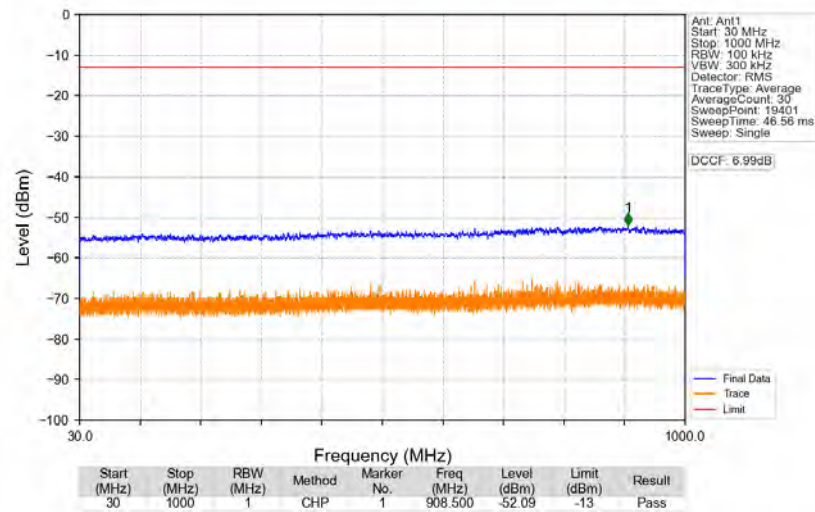
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3540MHz_Edge_1RB_Right



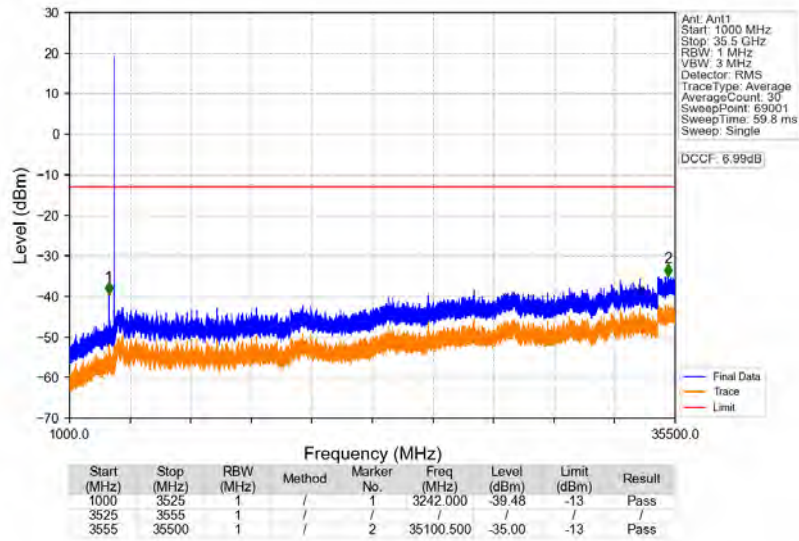
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3540MHz_Edge_1RB_Right



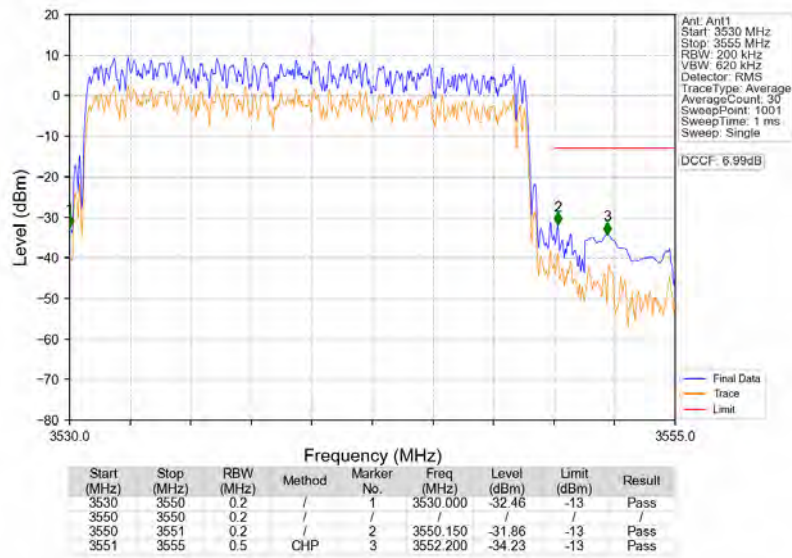
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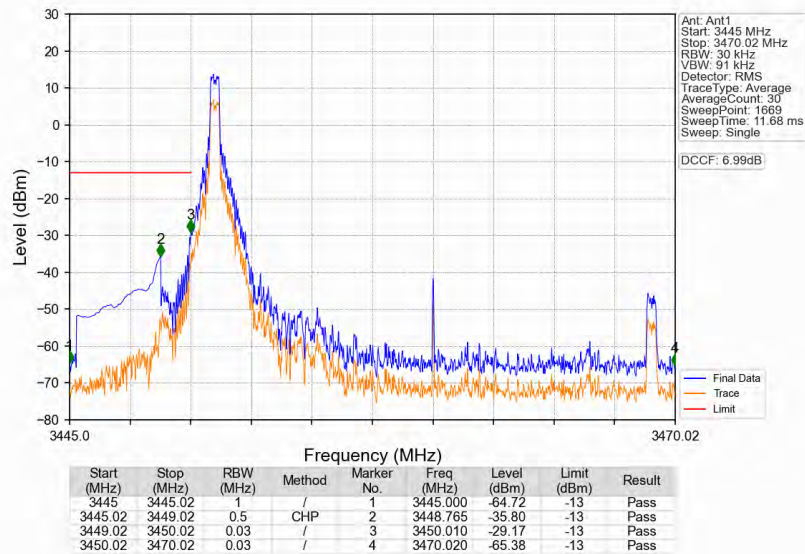
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3540MHz_Edge_1RB_Right



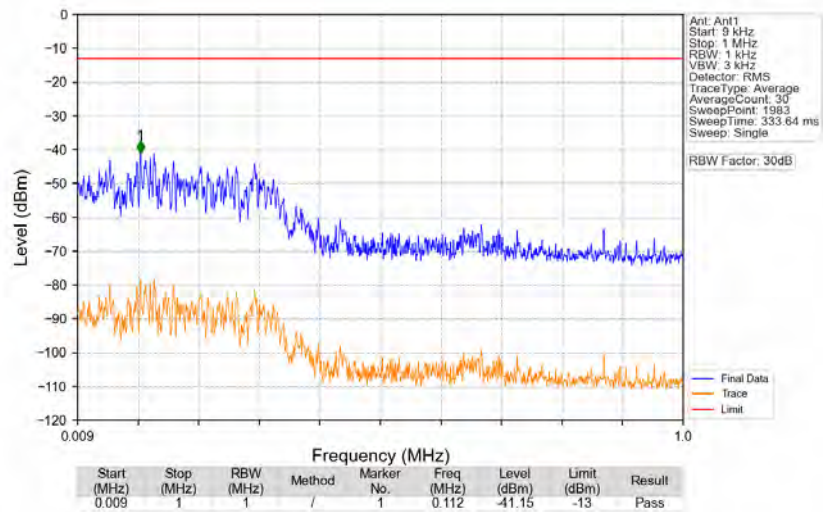
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_PI/2_BPSK_3540MHz_Outer_Full



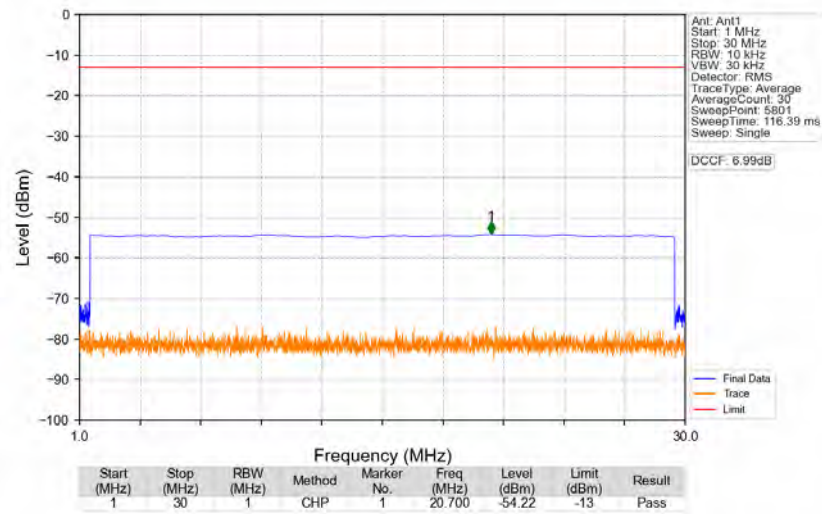
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3460.02MHz_Edge_1RB_Left



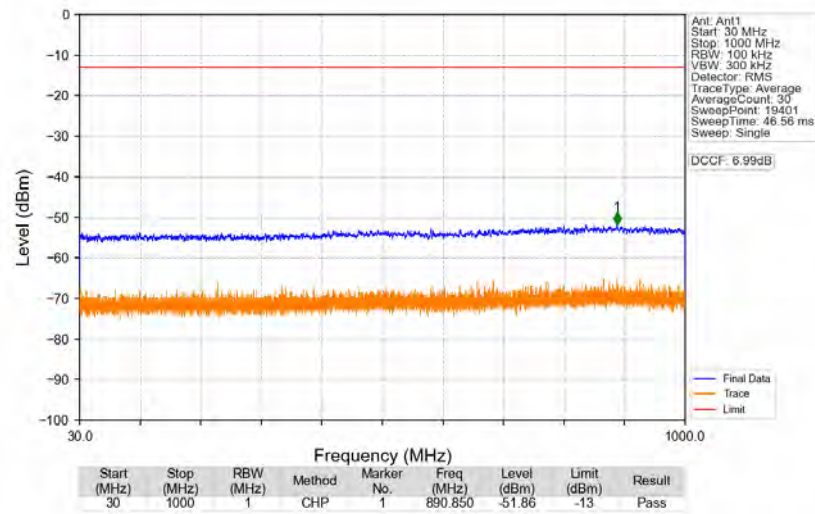
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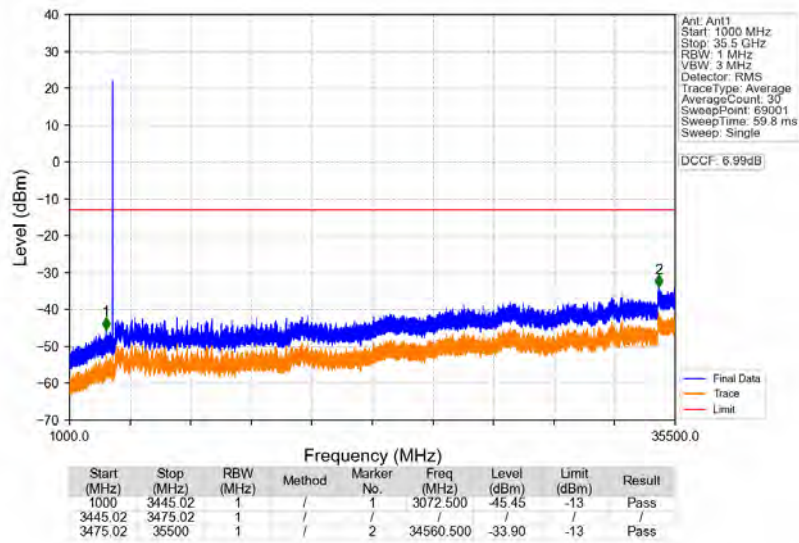
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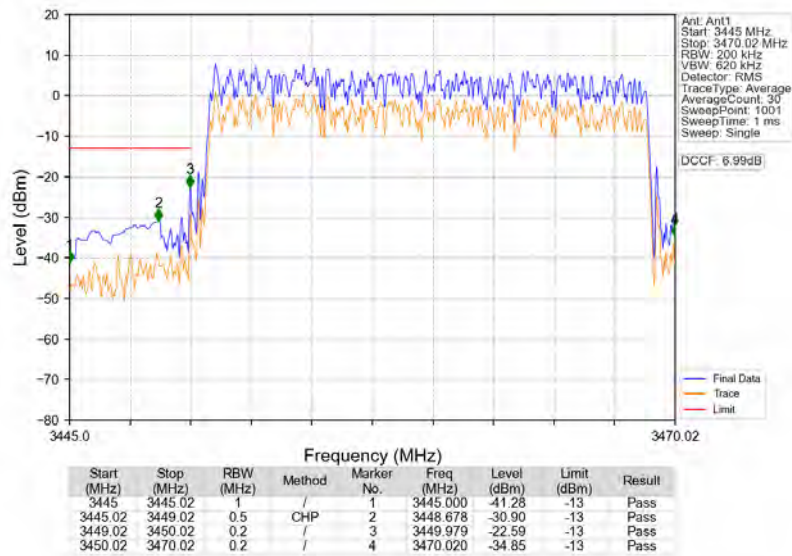
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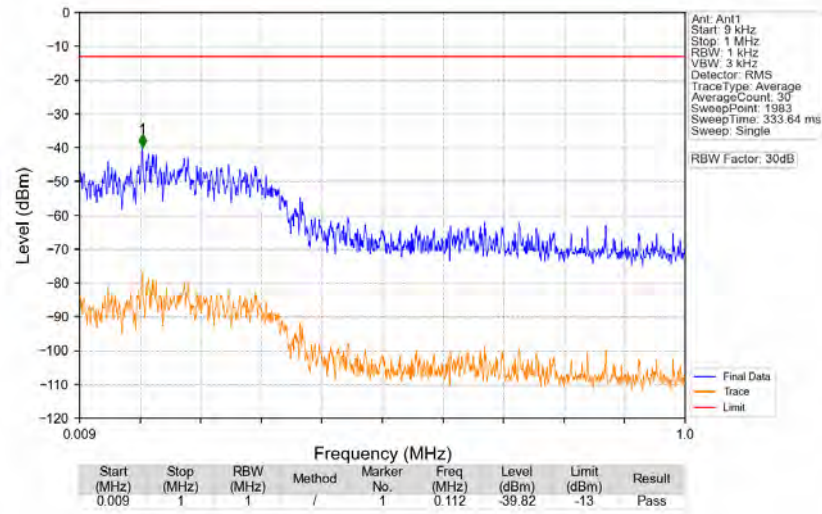
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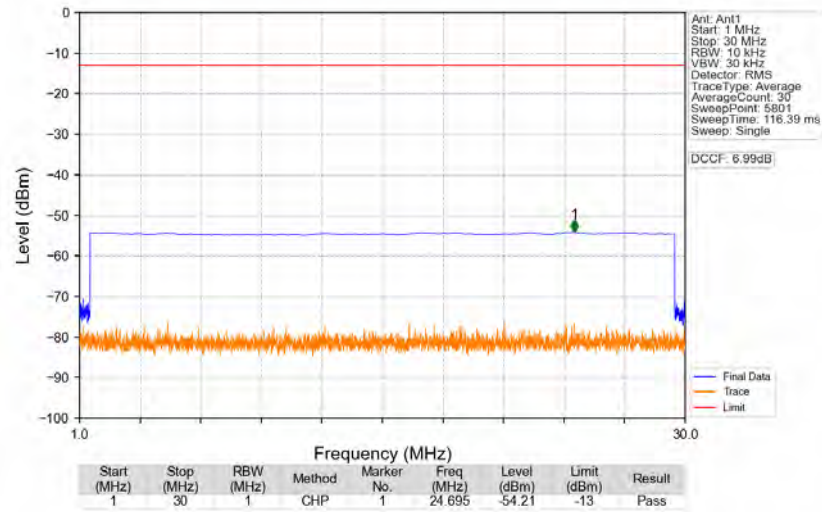
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3460.02MHz_Outer_Full



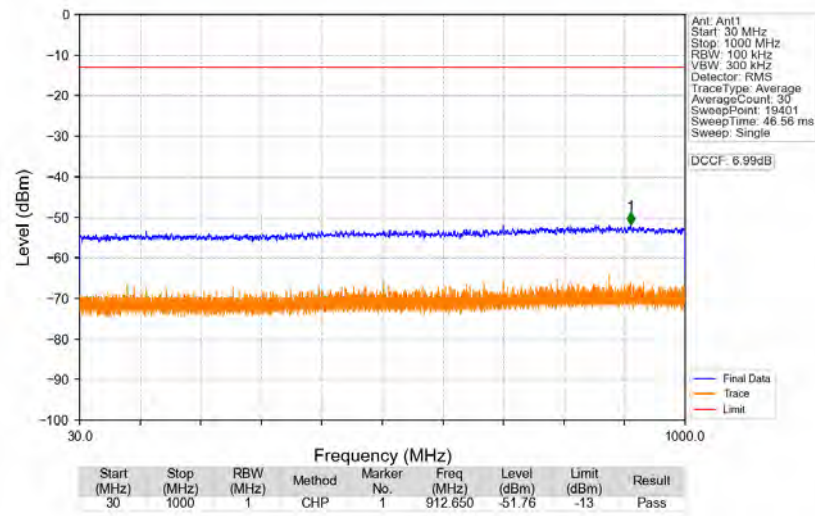
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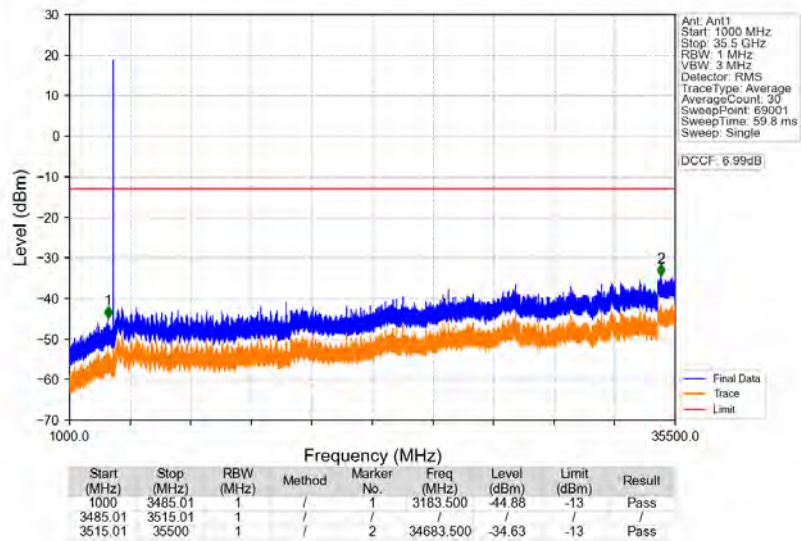
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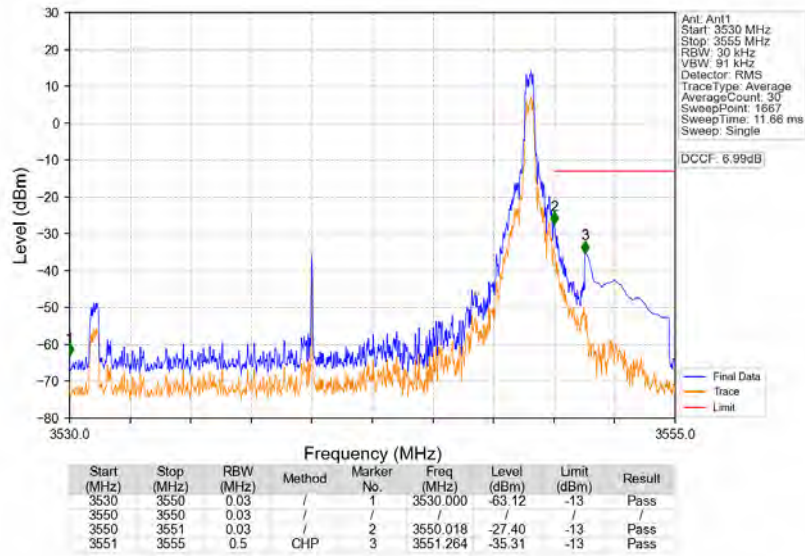
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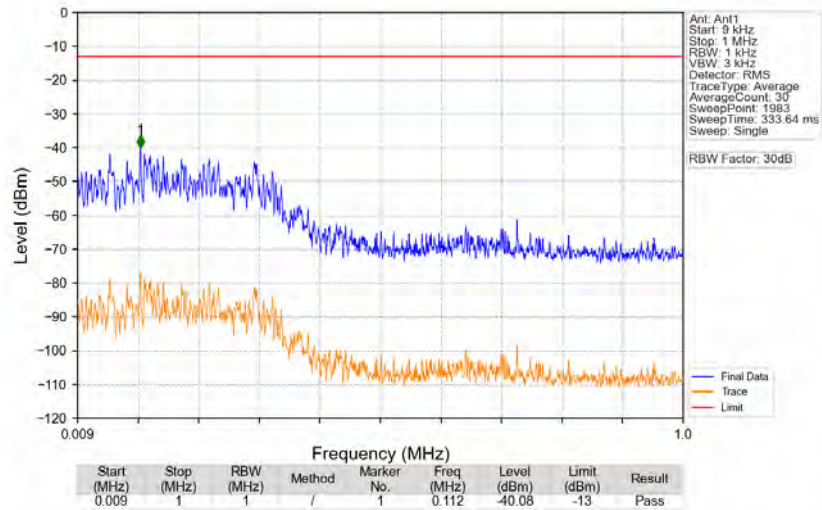
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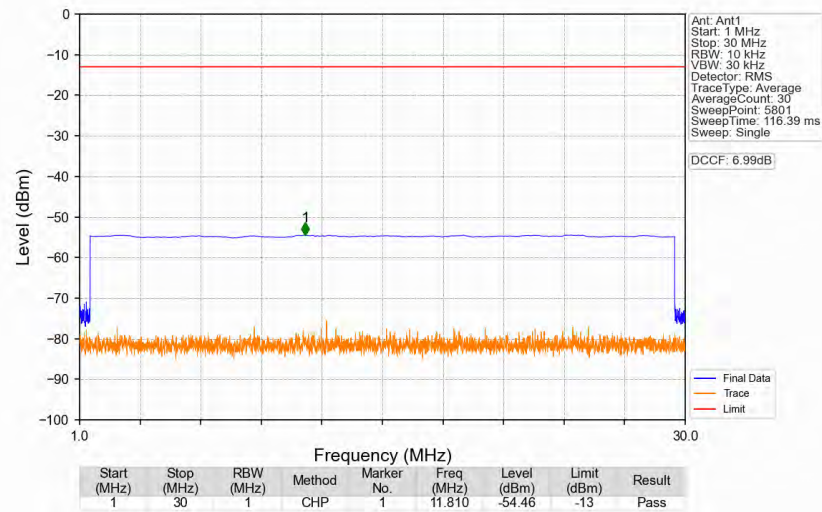
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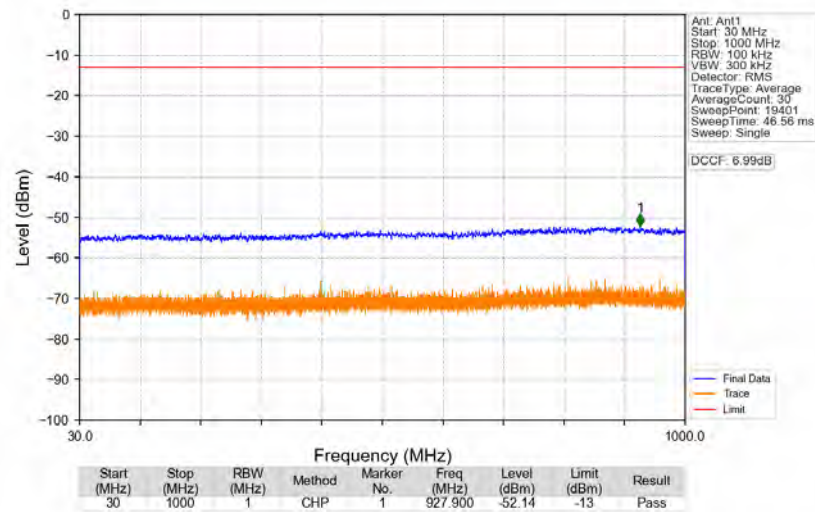
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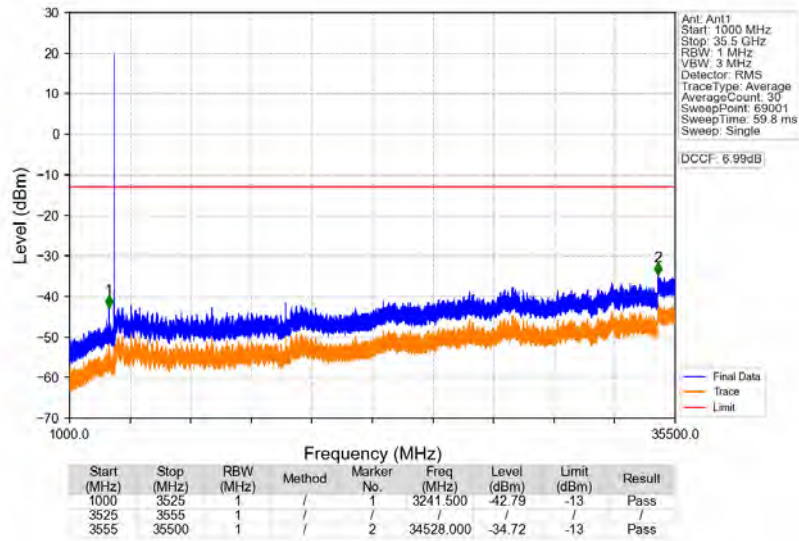
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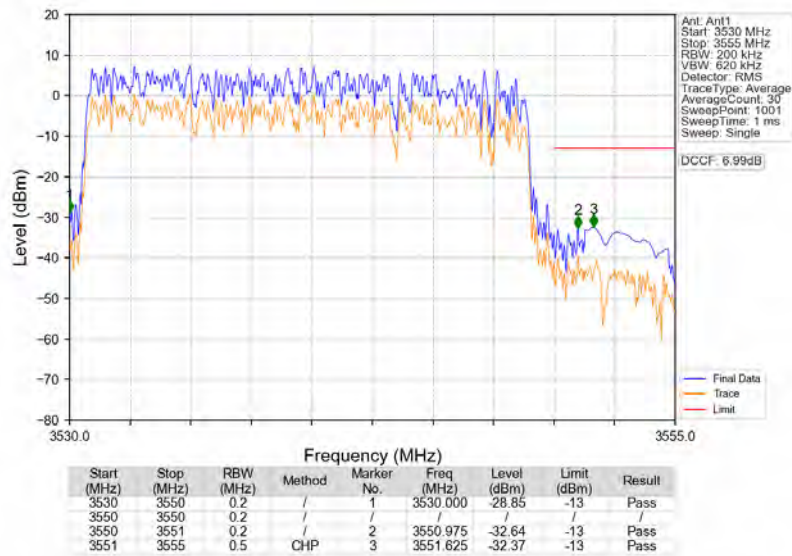
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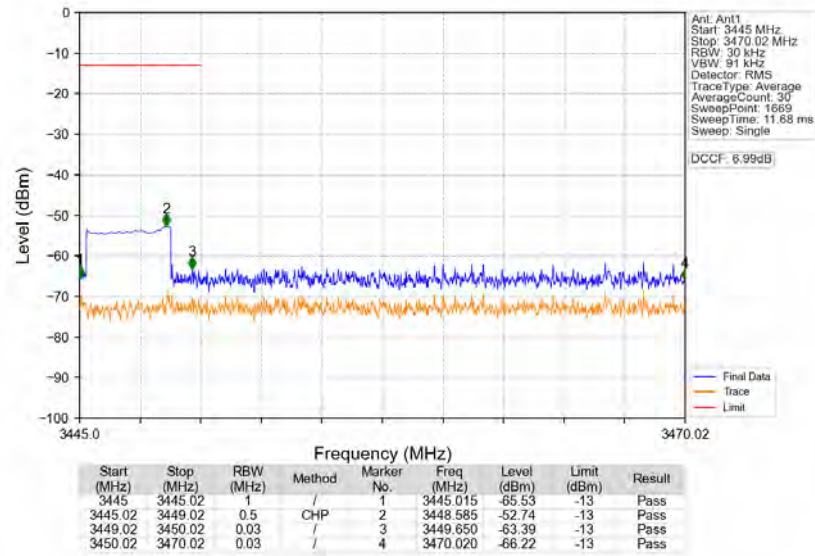
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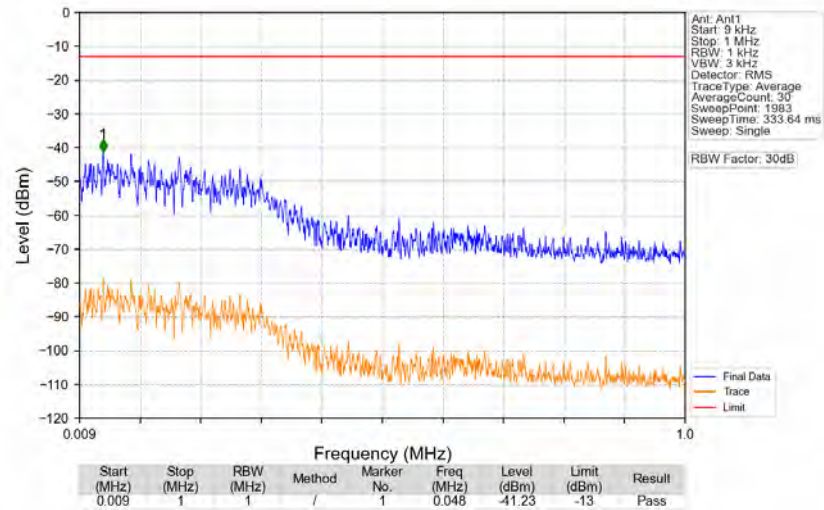
n77d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_QPSK_3540MHz_Outer_Full



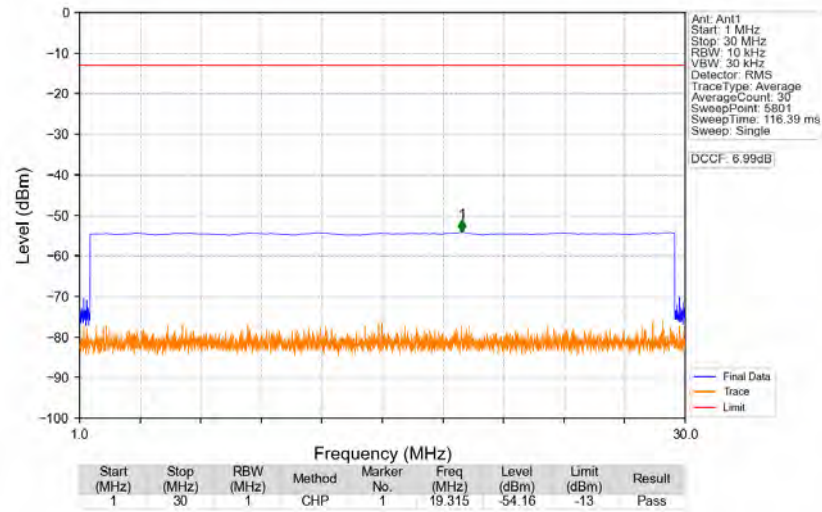
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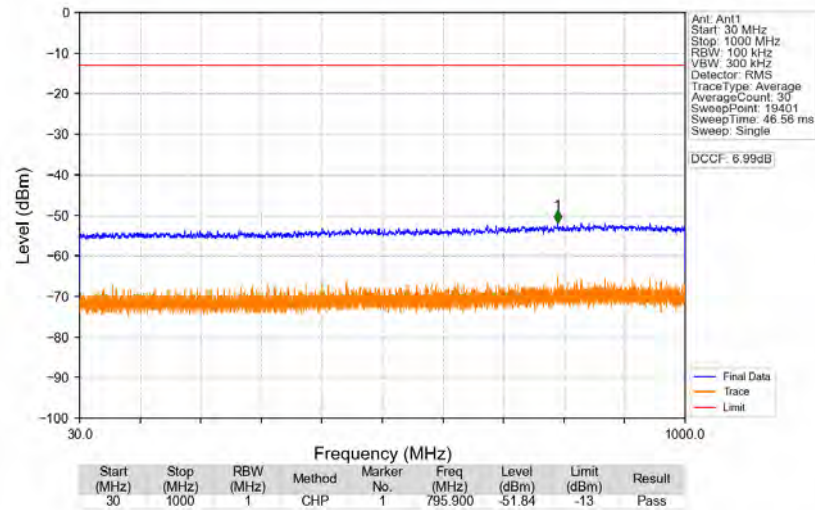
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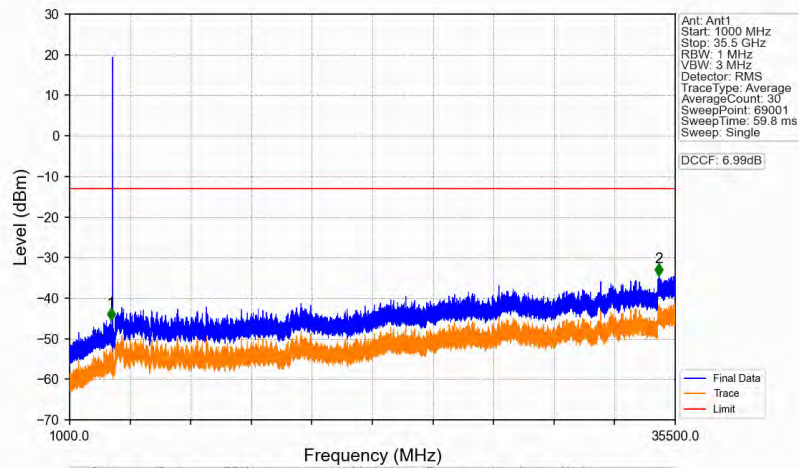
n77d_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3460.02MHz_Edge_1RB_Left



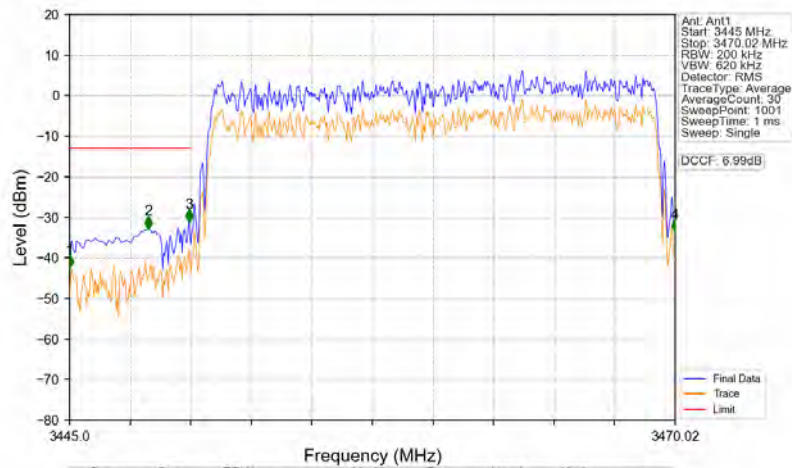
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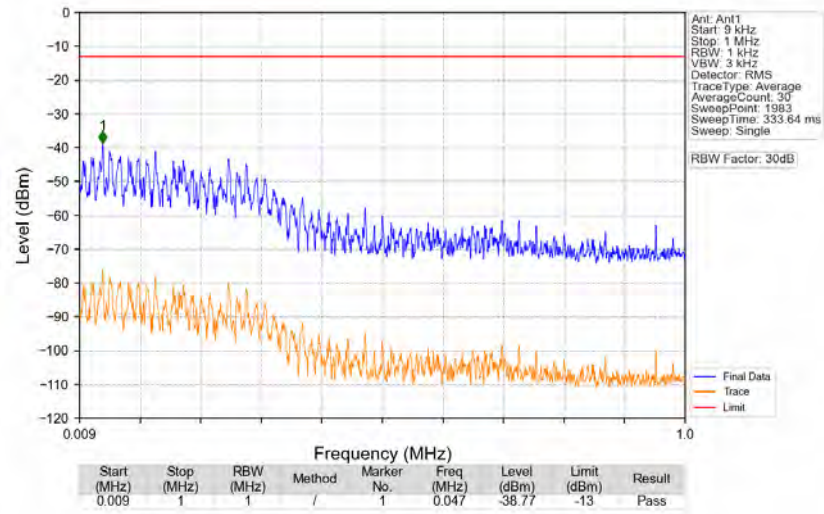
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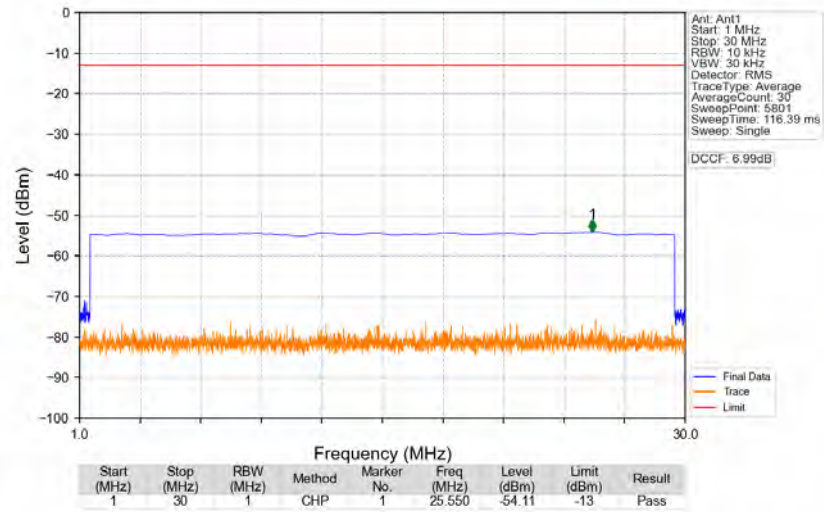
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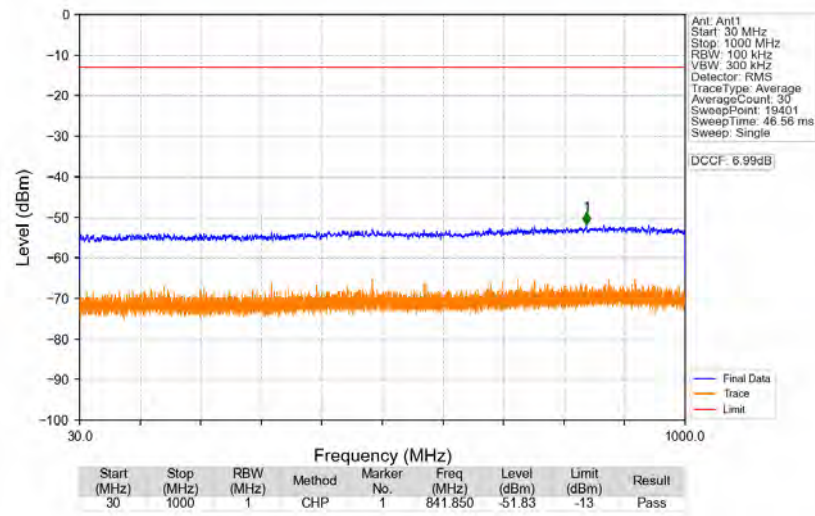
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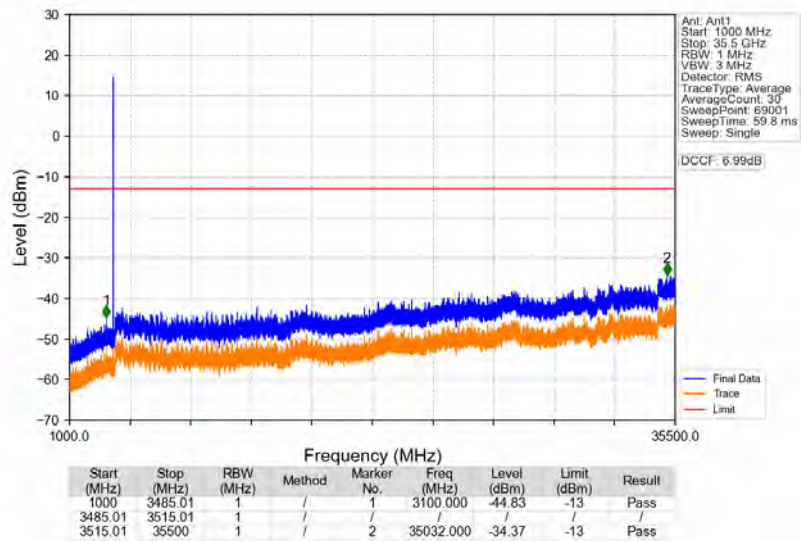
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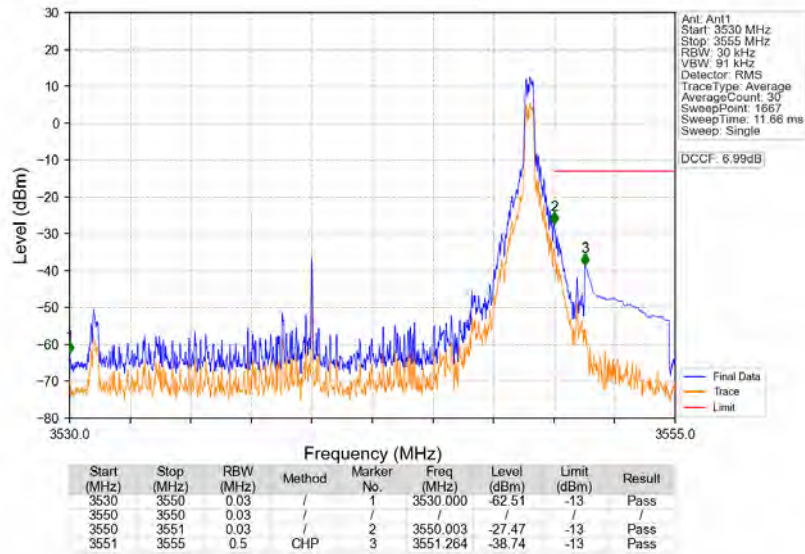
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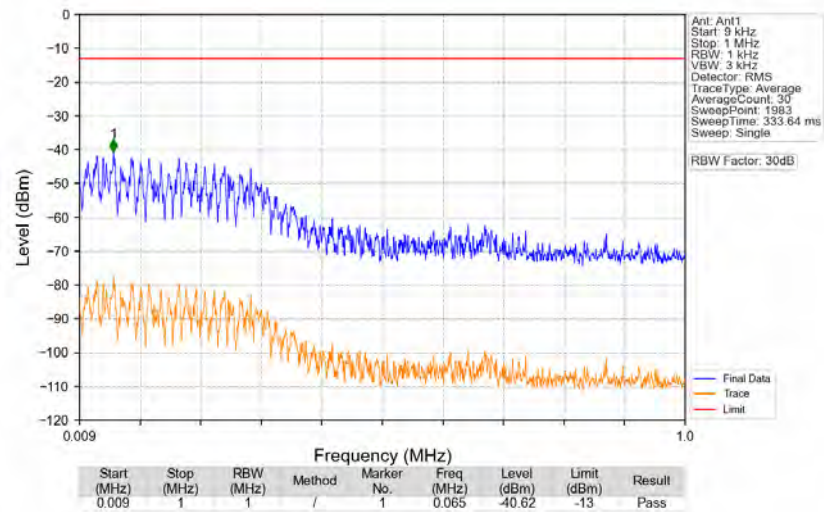
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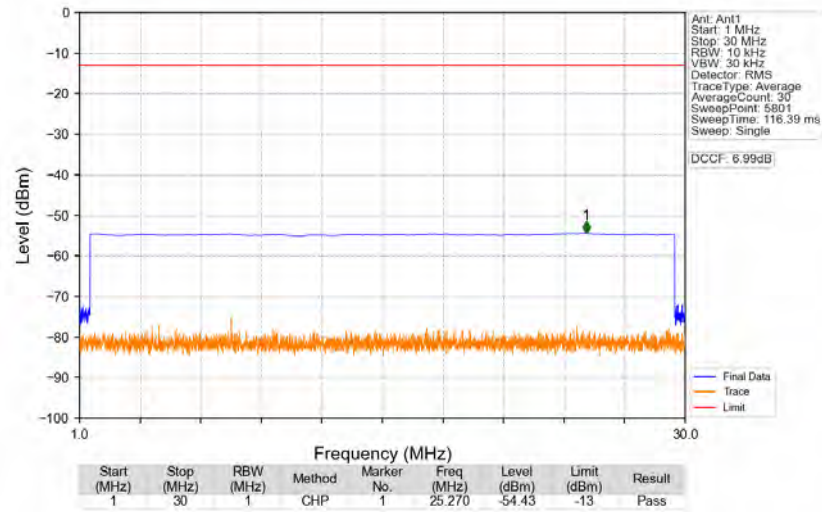
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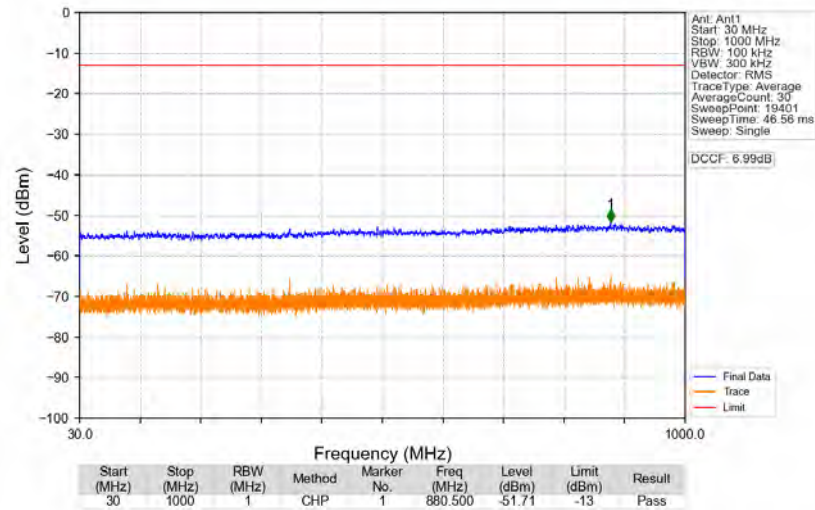
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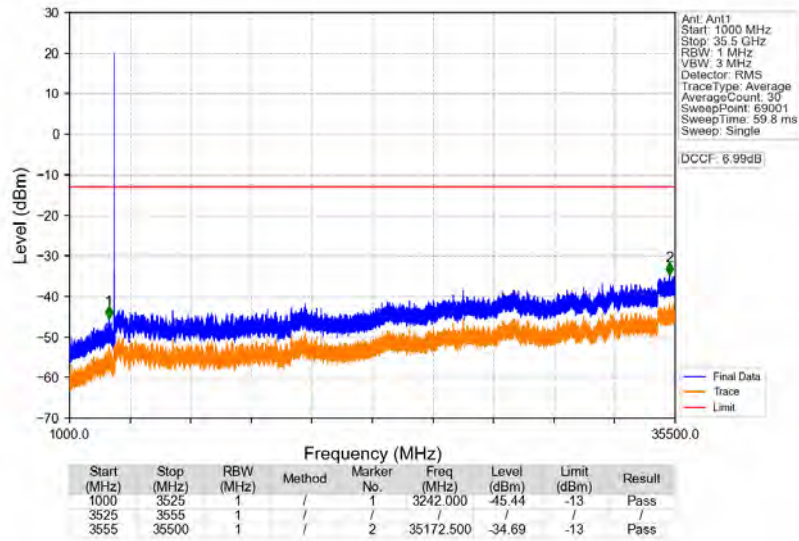
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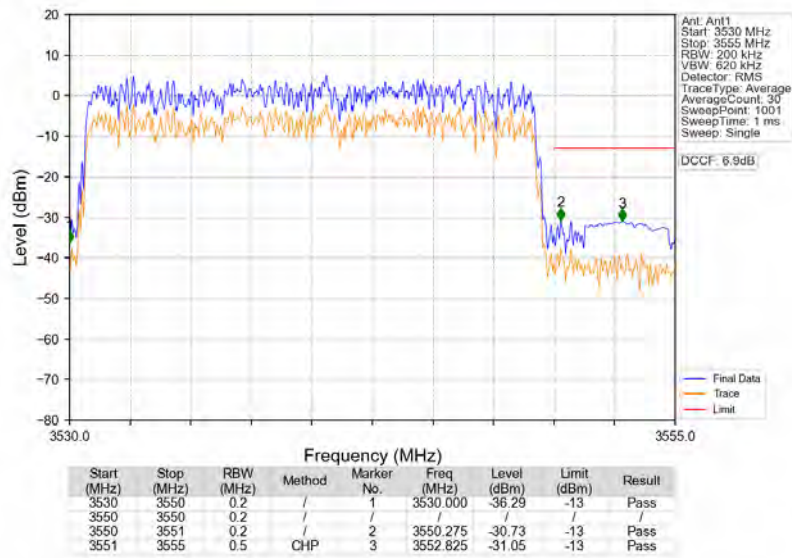
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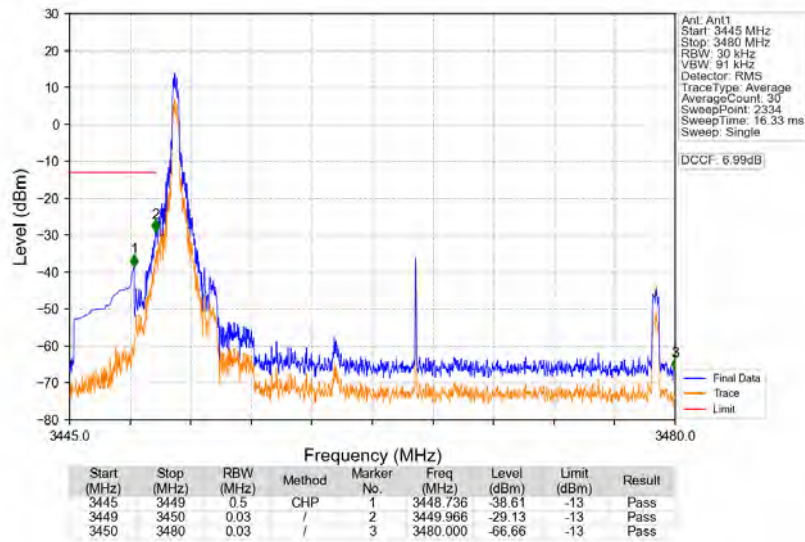


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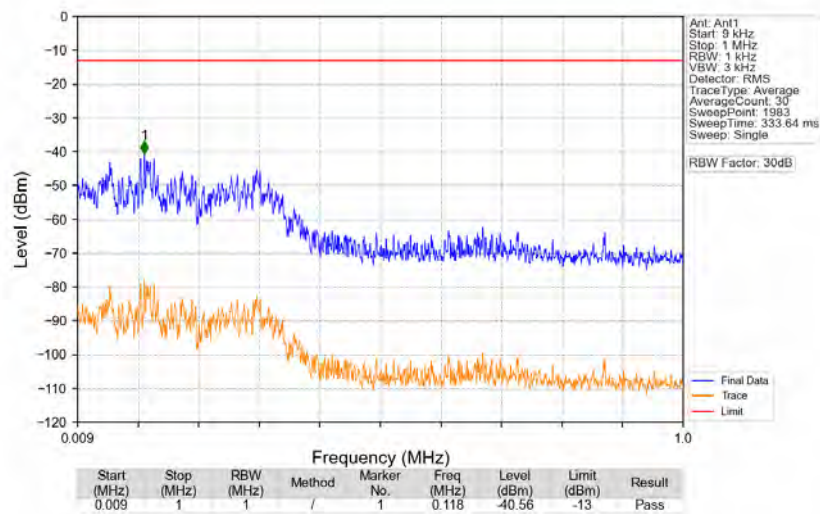


5.2.2 30k_SISO_30MHz_NTNV

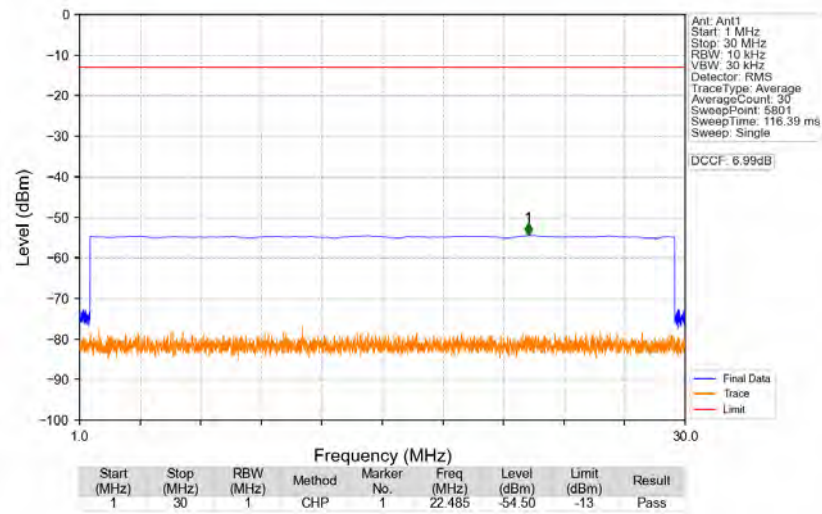
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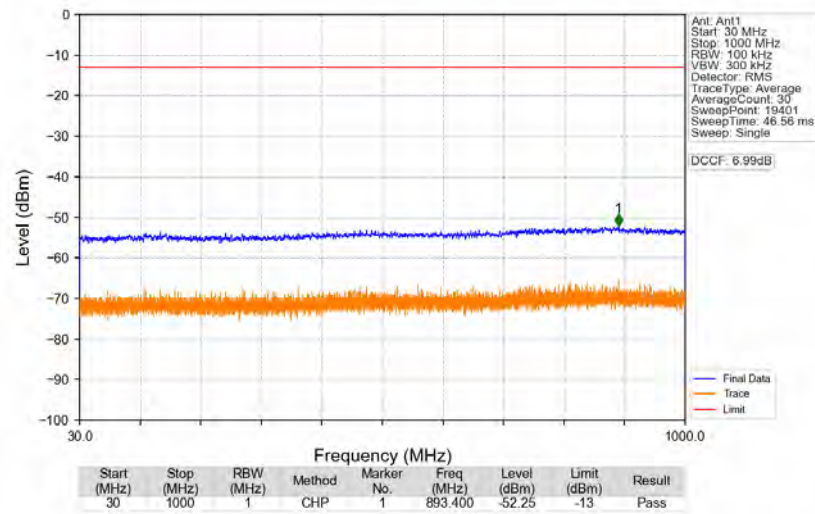
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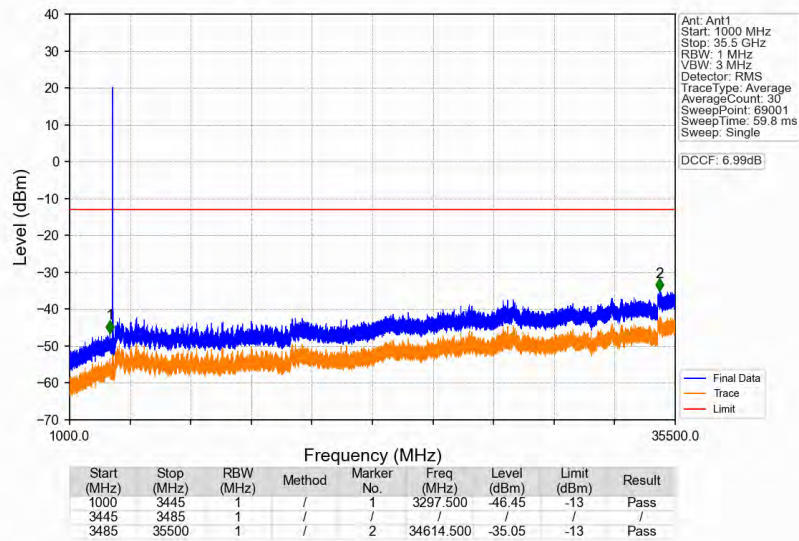
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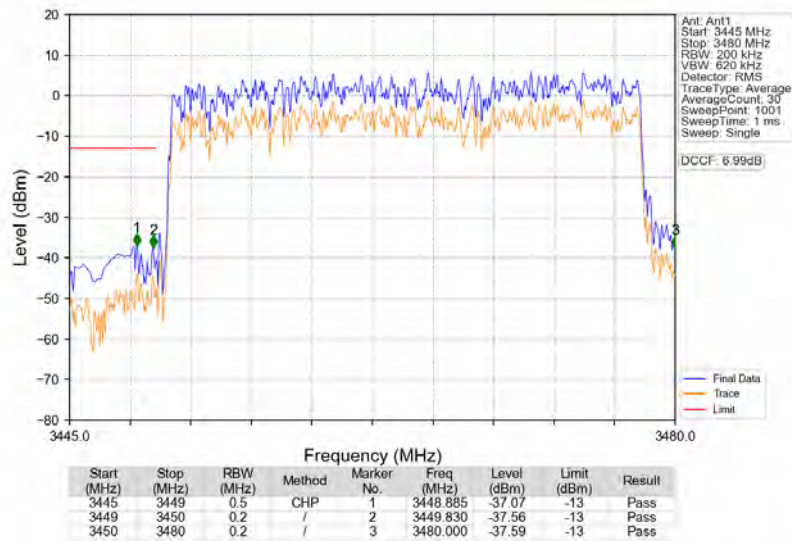
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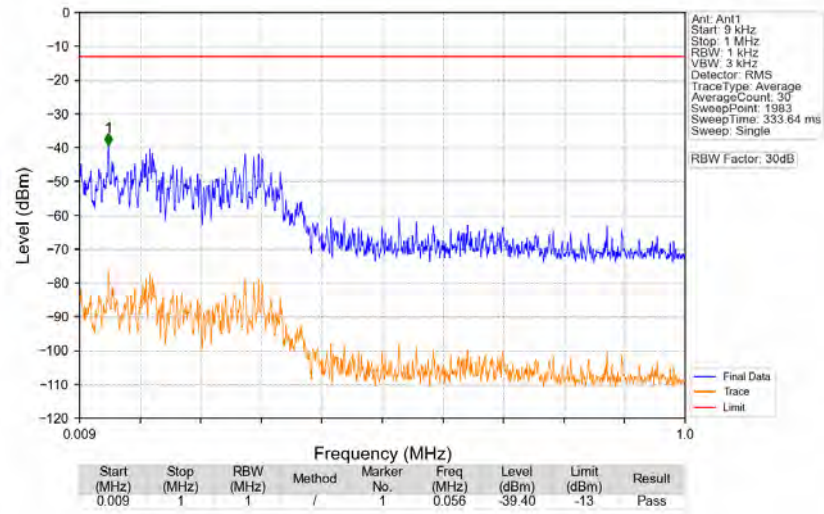
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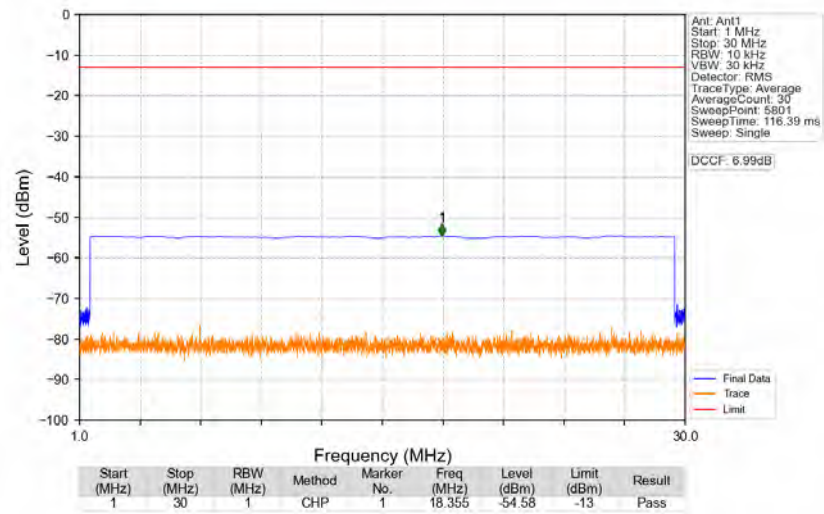
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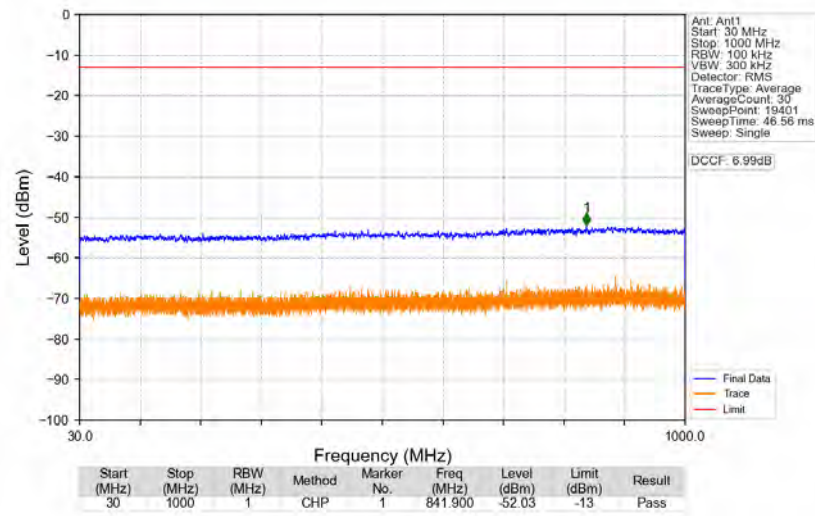
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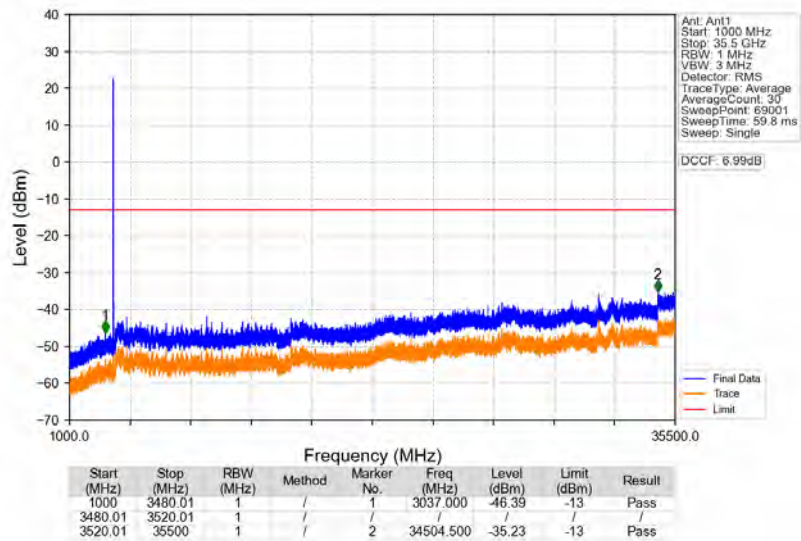
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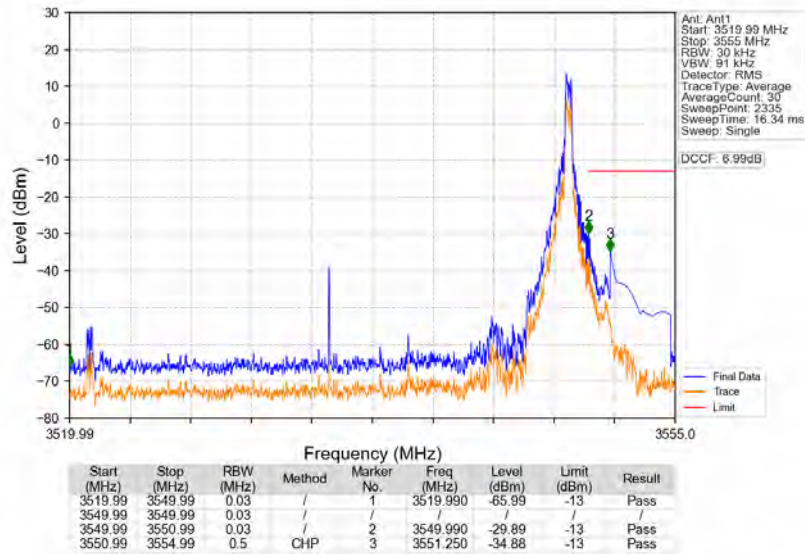
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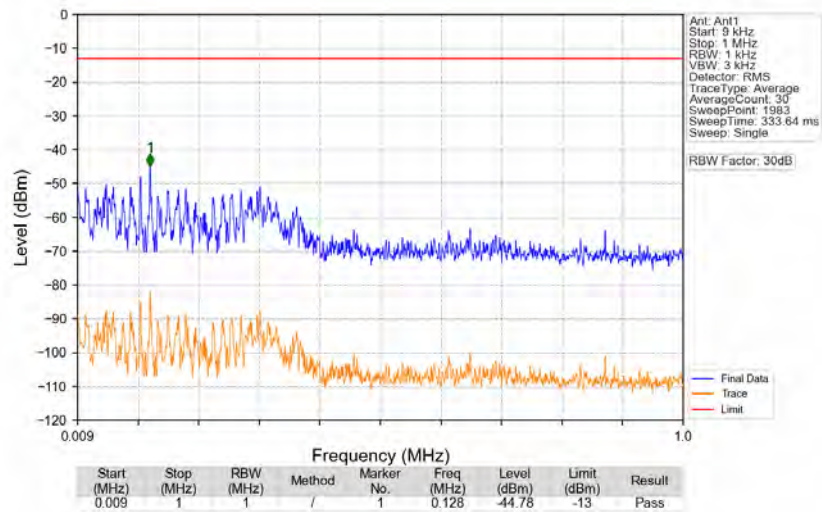
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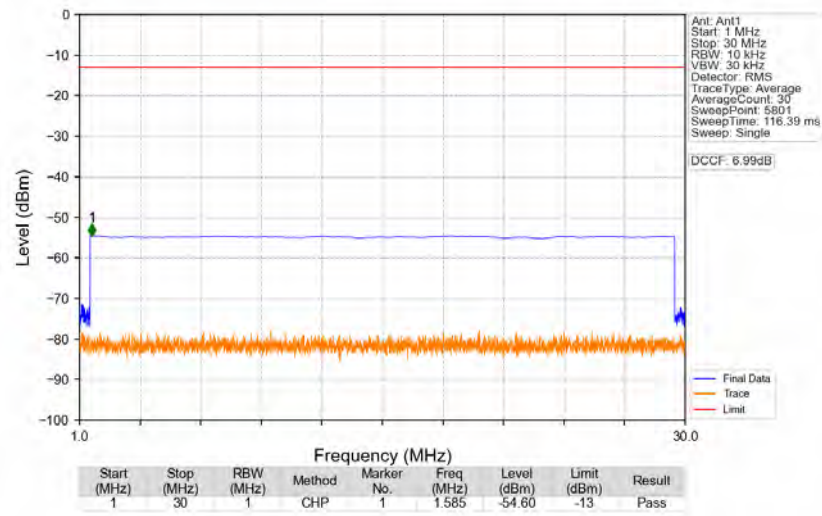
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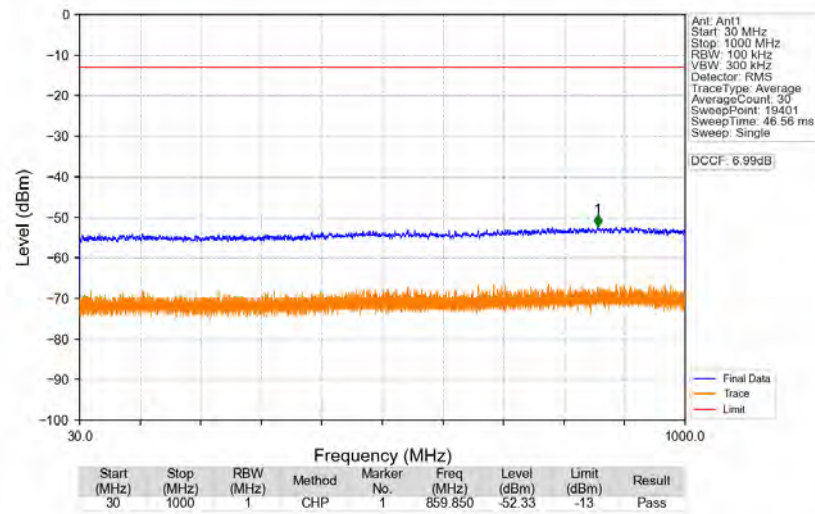
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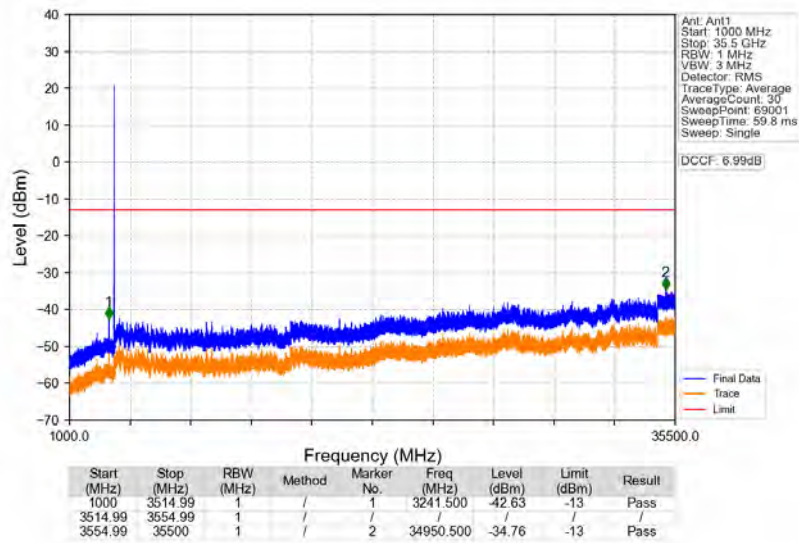
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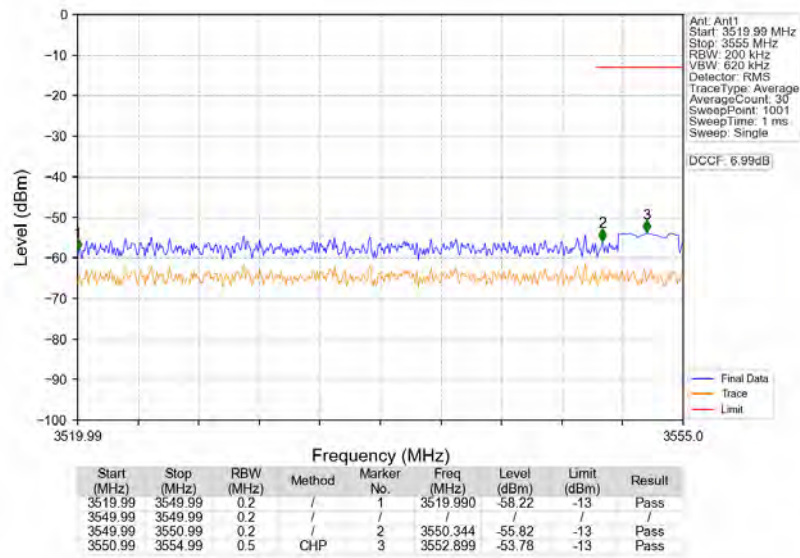
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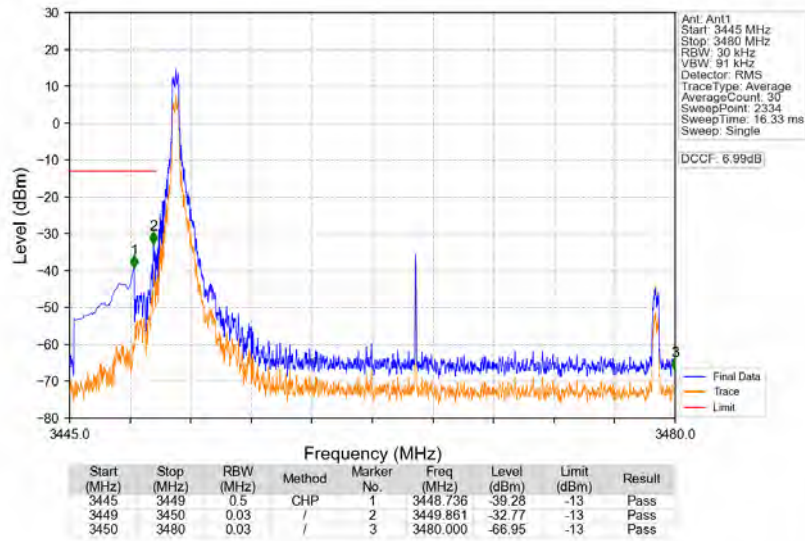
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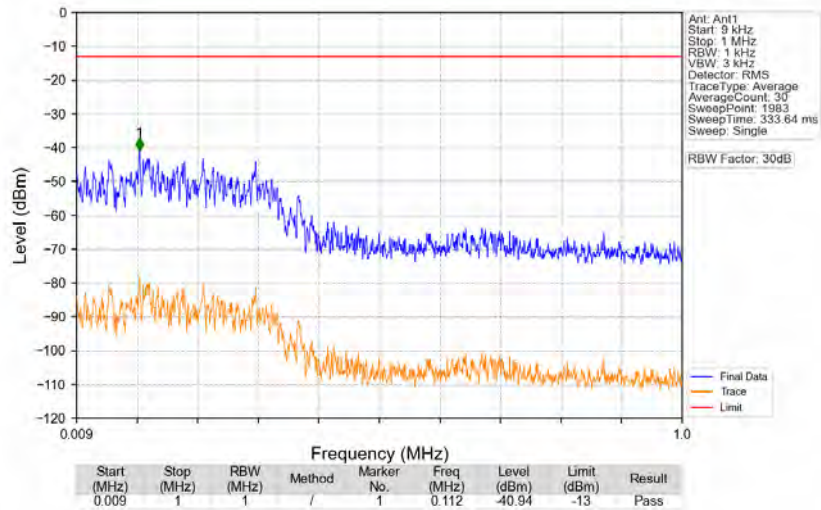
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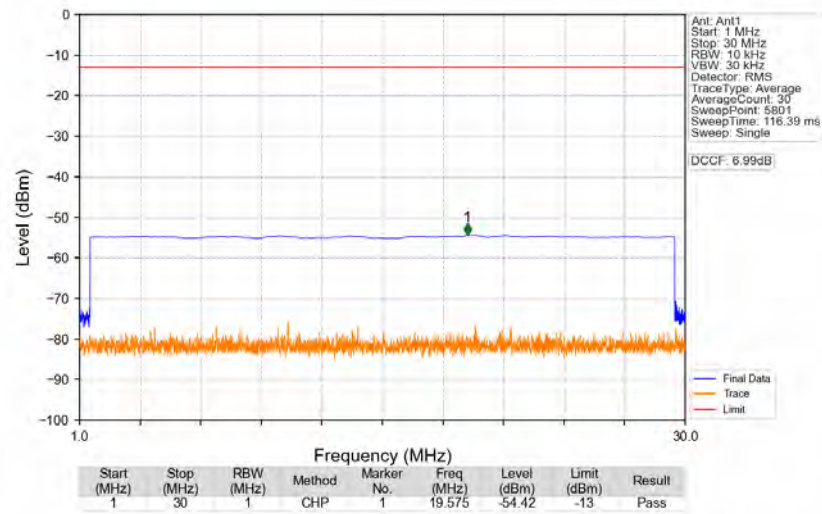
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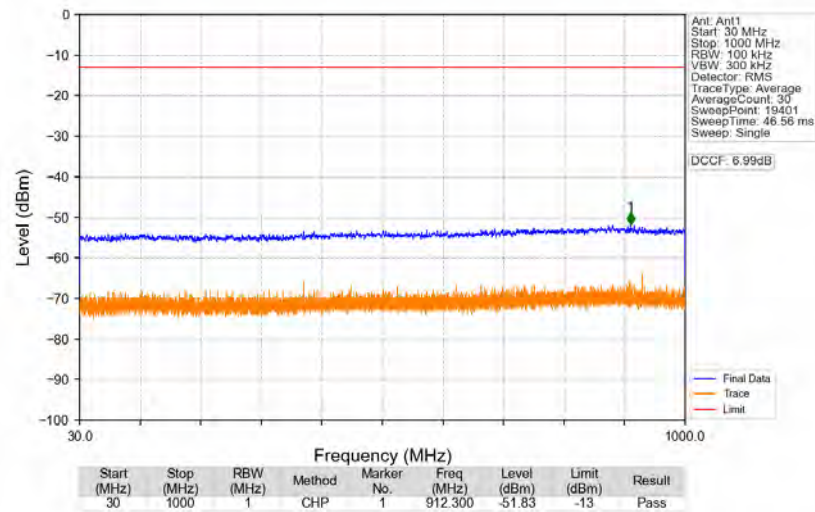
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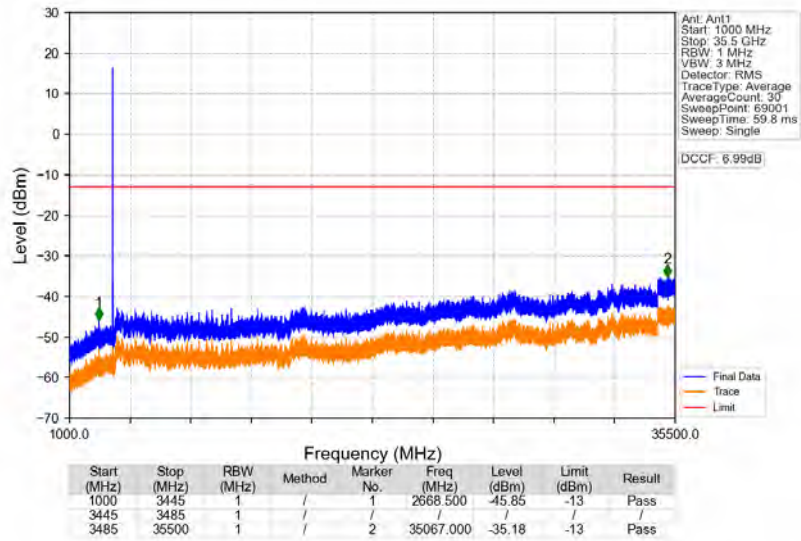
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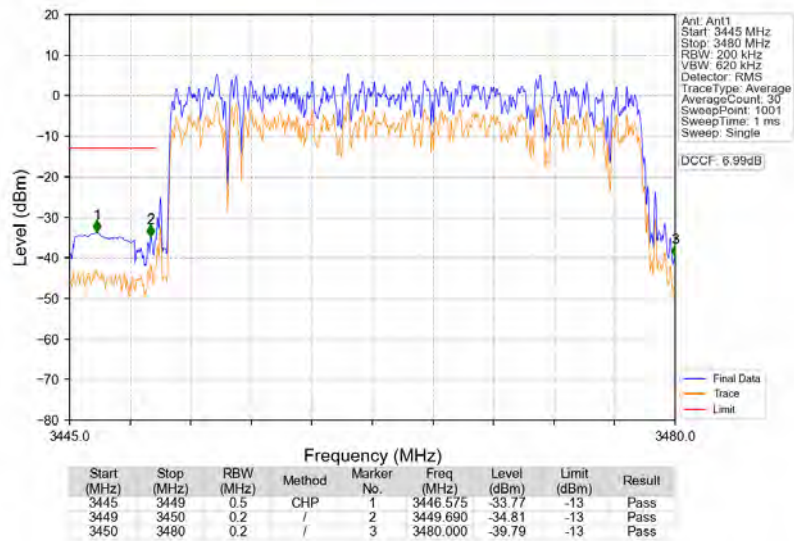
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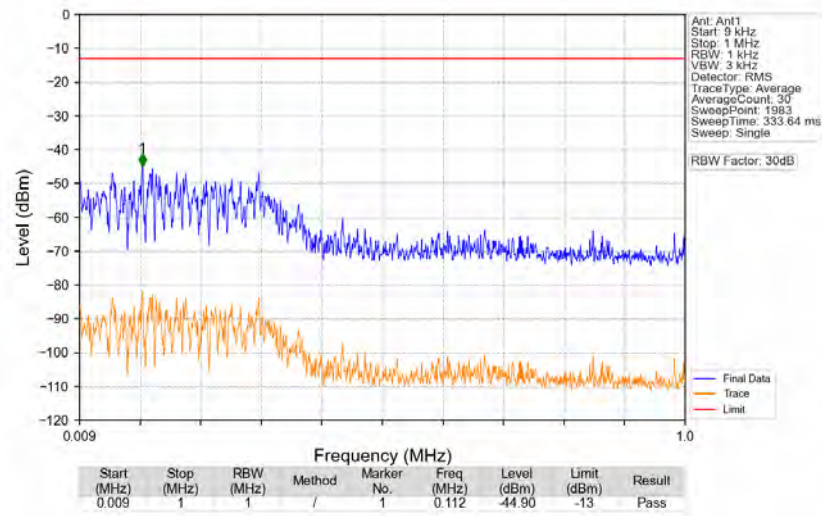
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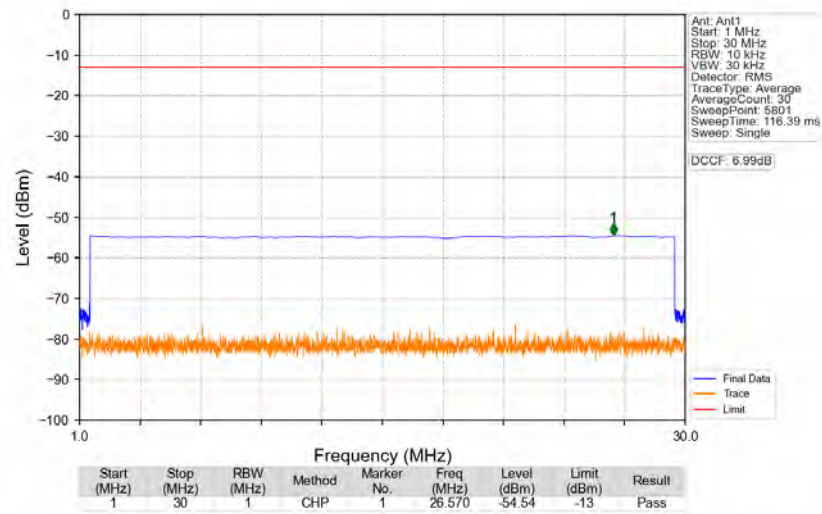
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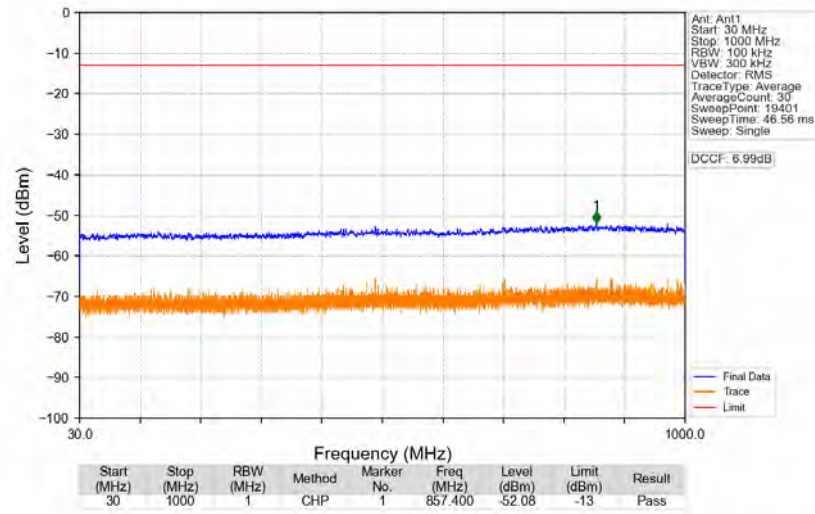
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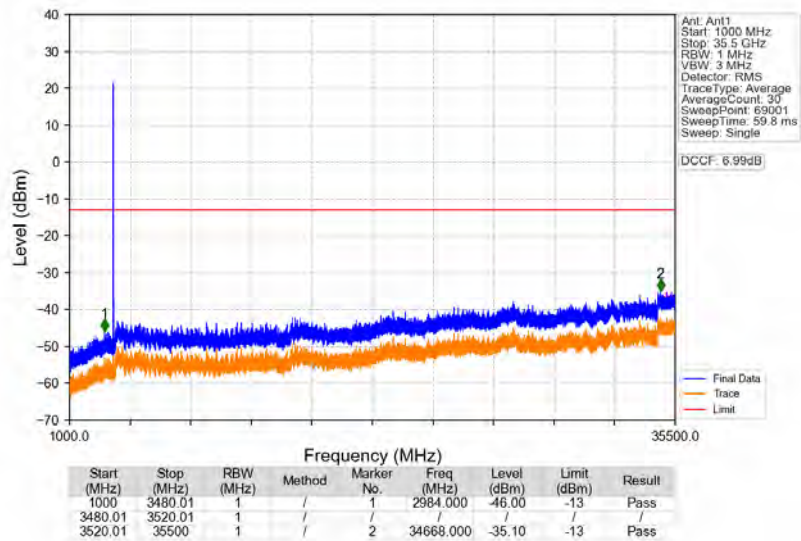
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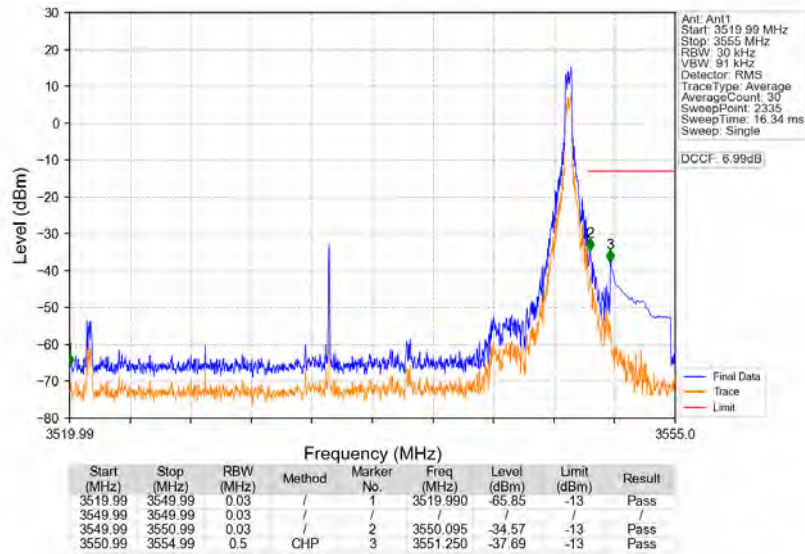
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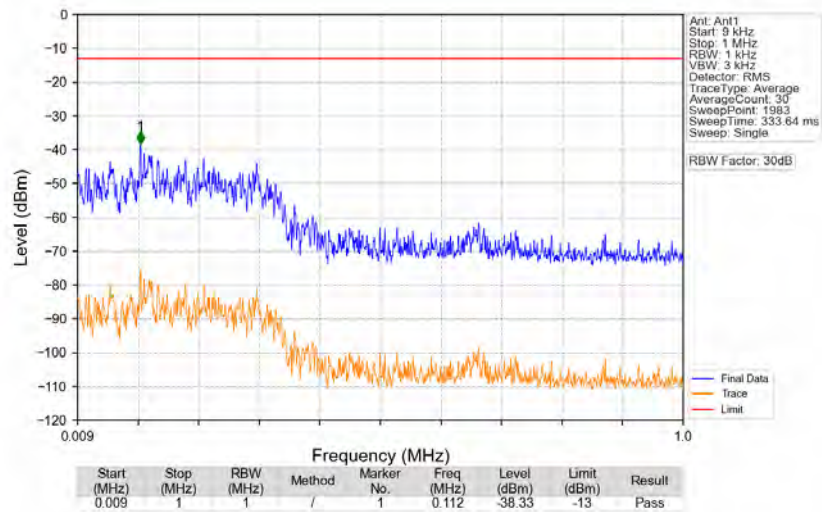
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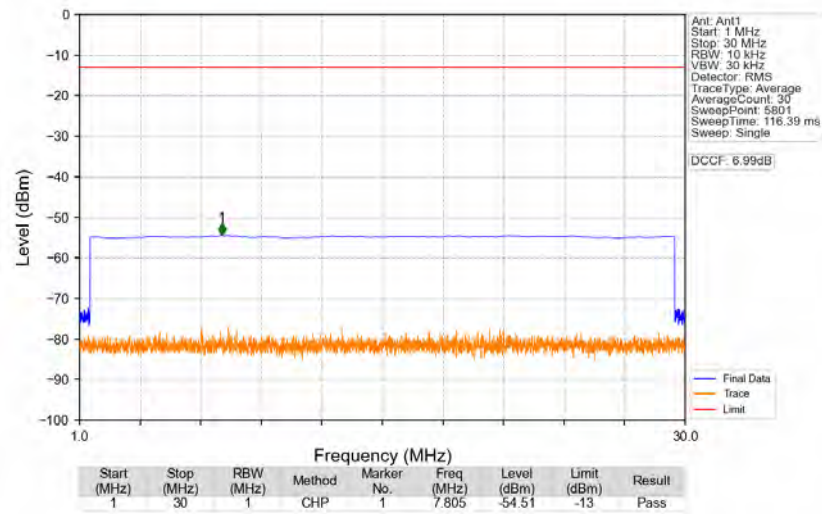
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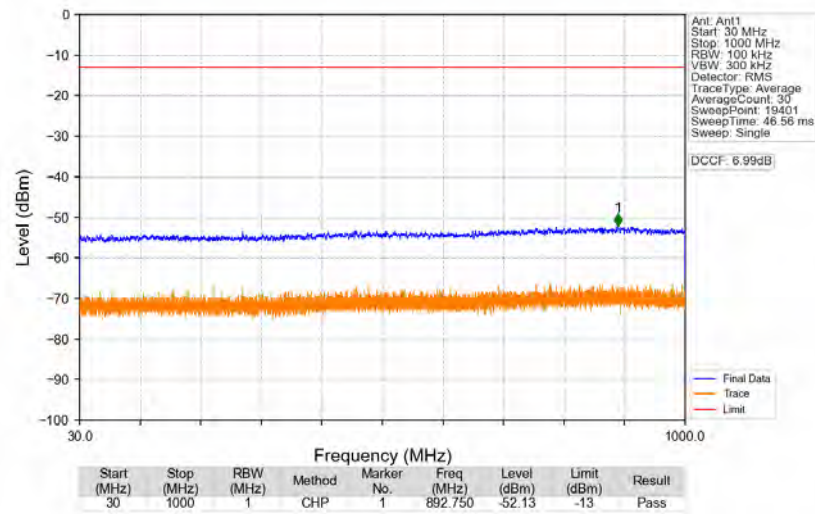
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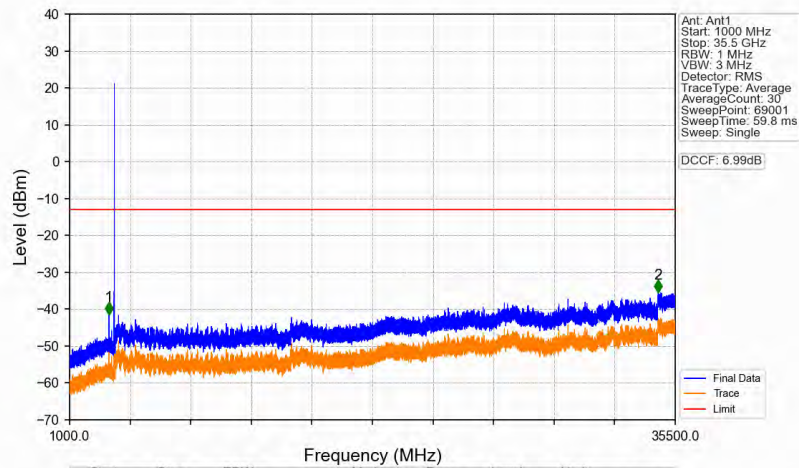
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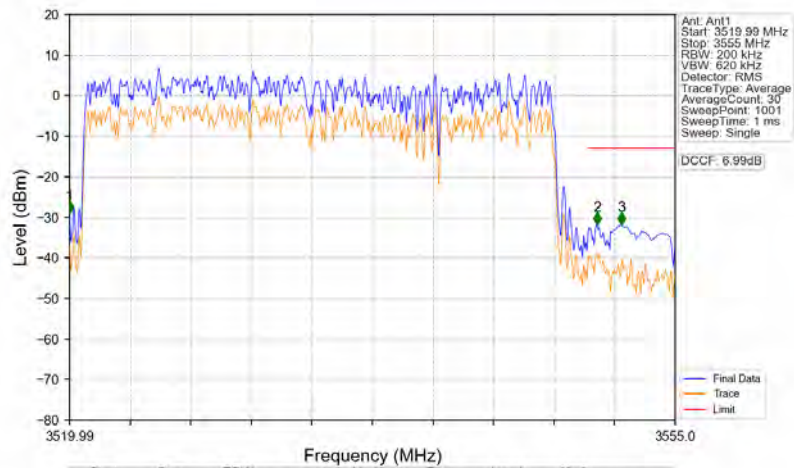
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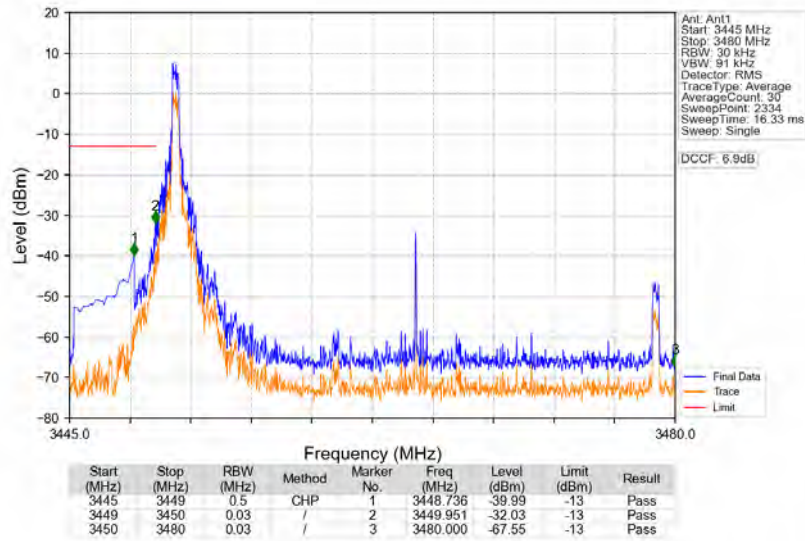
n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3534.99MHz_Edge_1RB_Right



n77d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3534.99MHz_Outer_Full



n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Edge_1RB_Left



n77d_30kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_3465MHz_Edge_1RB_Left

