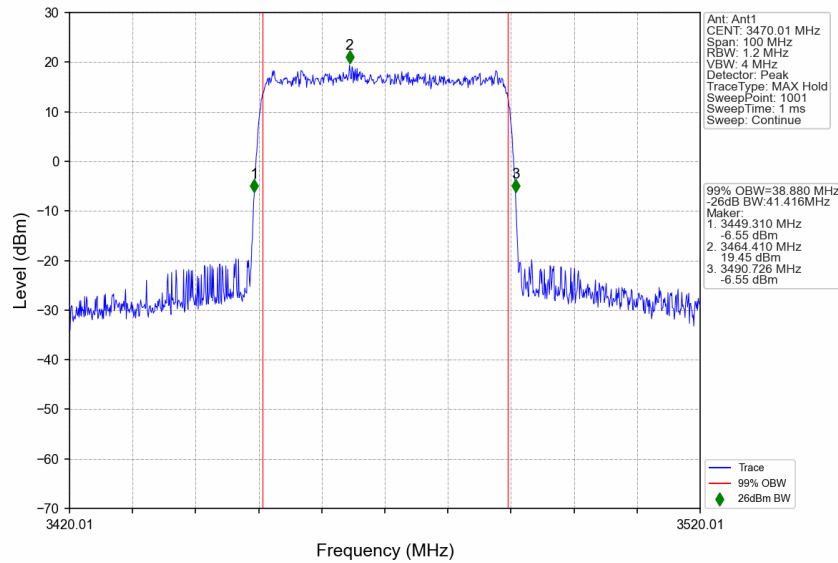
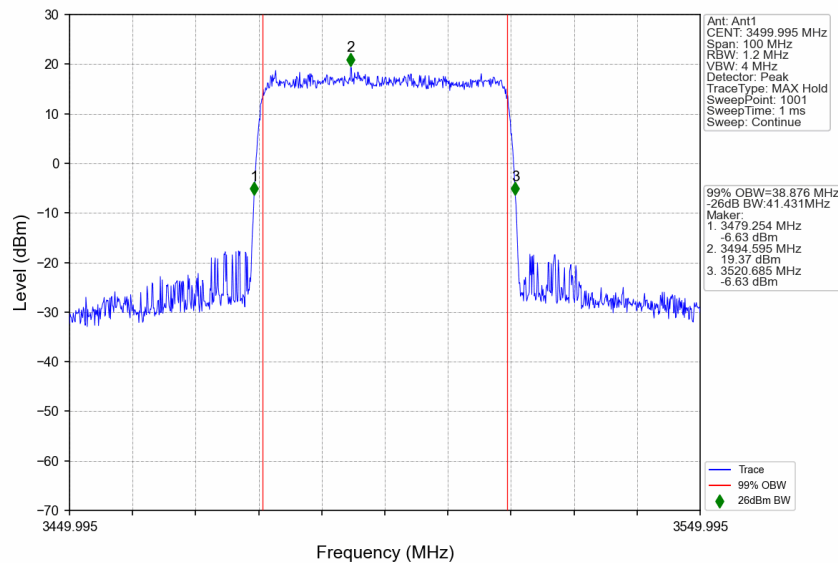


n77d_15kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3470.01MHz_Outer_Full



n77d_15kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3499.995MHz_Outer_Full



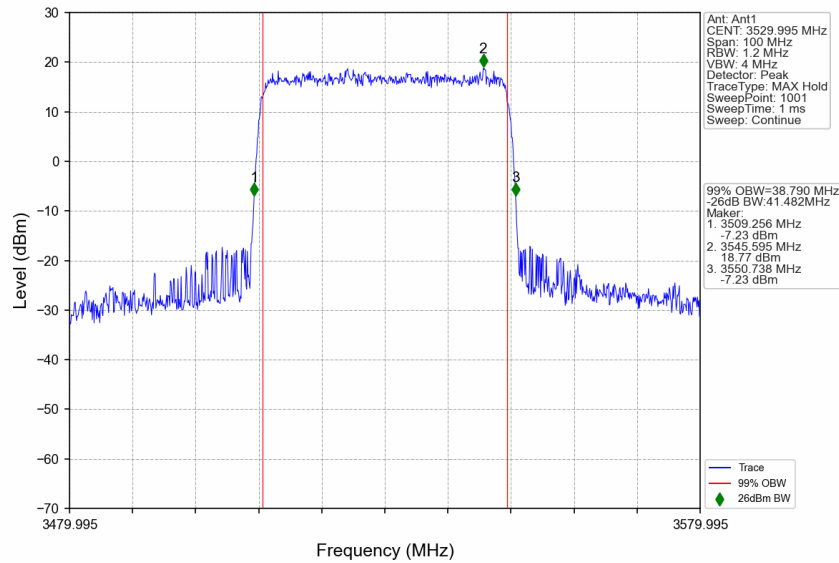
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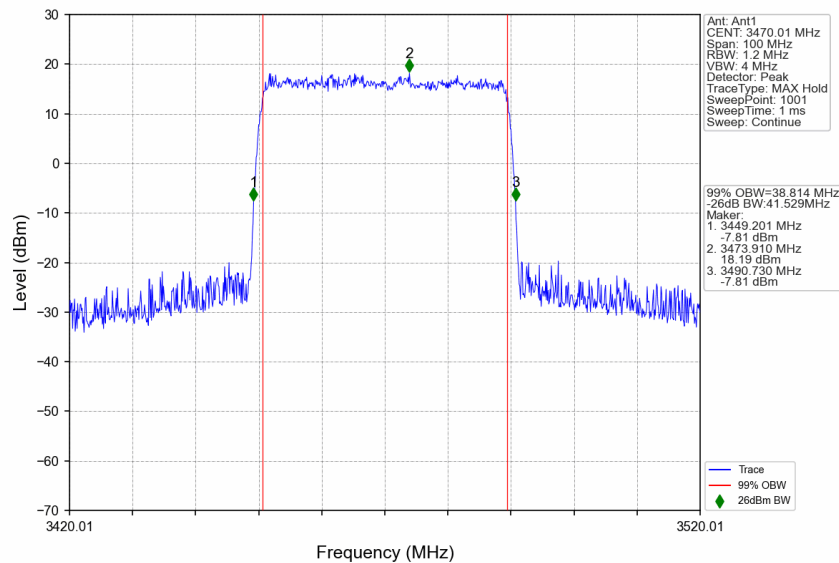
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n77d_15kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3529.995MHz_Outer_Full



n77d_15kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3470.01MHz_Outer_Full

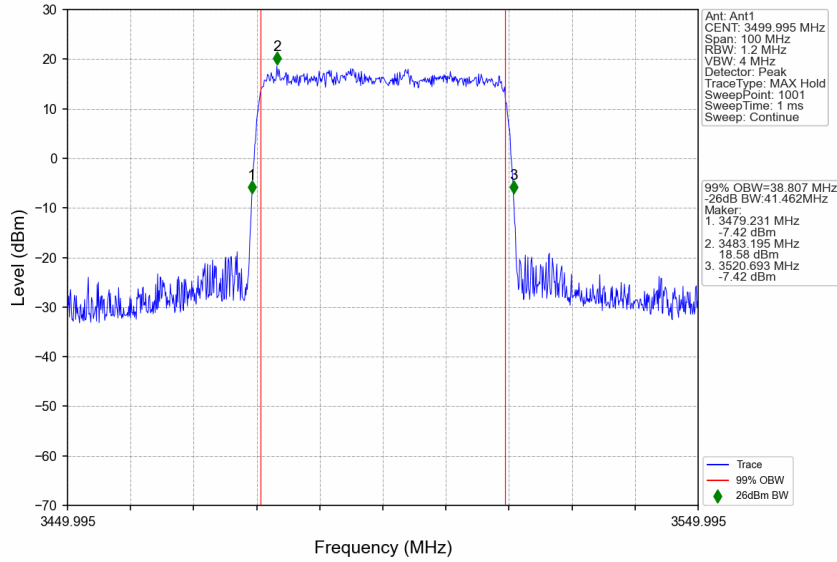


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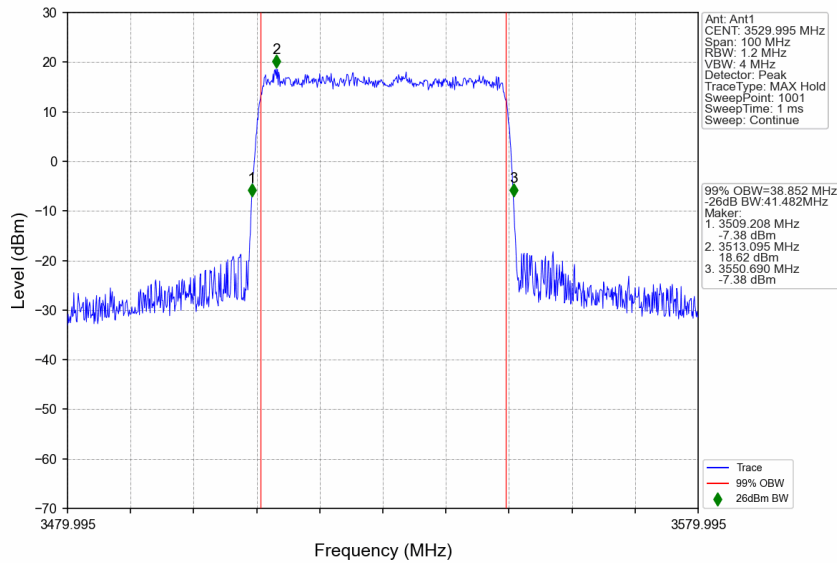
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n77d_15kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3499.995MHz_Outer_Full



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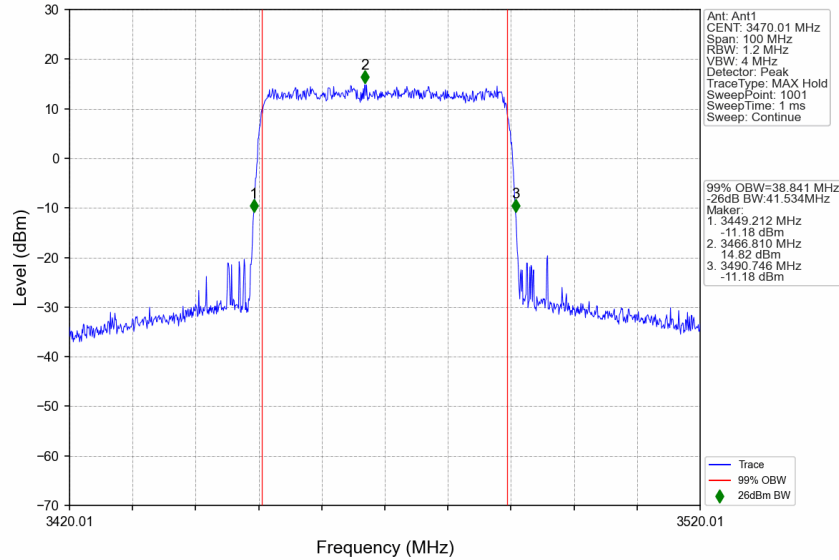


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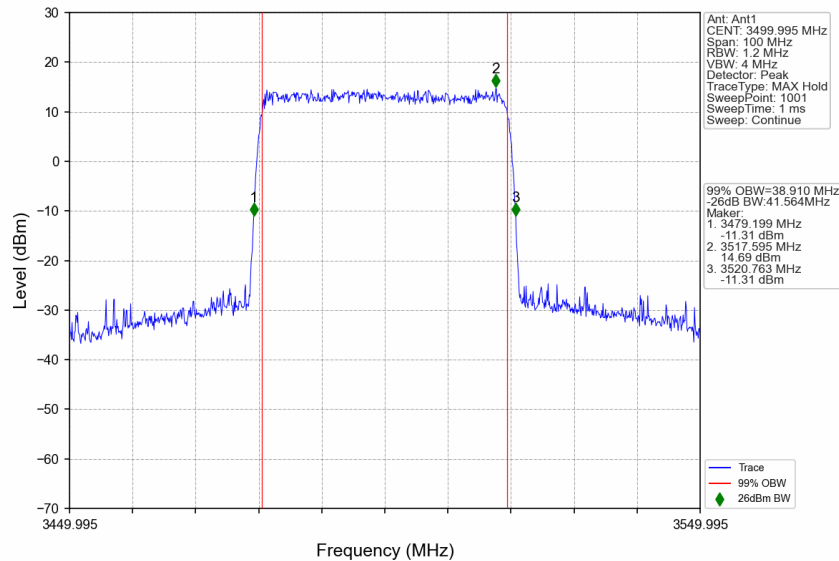
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n77d_15kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3470.01MHz_Outer_Full



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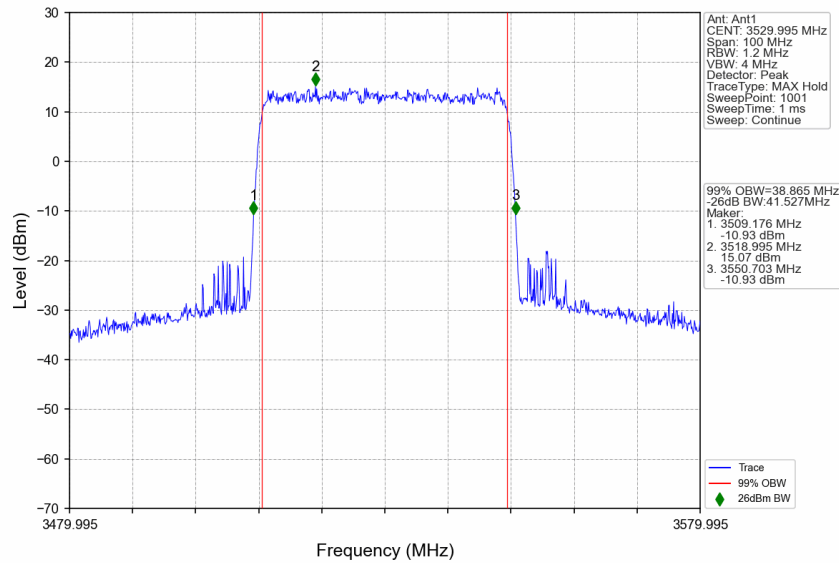


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n77d_15kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3529.995MHz_Outer_Full



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4.7 15k_SISO_50MHz_NTNV

4.7.1 Test Result

5G NR n77d SCS=15kHz SISO 50MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3475.005	Outer_Full	48.61	51.85	/	Pass
	3499.995	Outer_Full	48.62	51.90	/	Pass
	3525	Outer_Full	48.70	51.87	/	Pass
DFT-s-OFDM QPSK	3475.005	Outer_Full	48.62	51.84	/	Pass
	3499.995	Outer_Full	48.55	51.85	/	Pass
	3525	Outer_Full	48.64	51.99	/	Pass
DFT-s-OFDM 16 QAM	3475.005	Outer_Full	48.56	51.88	/	Pass
	3499.995	Outer_Full	48.46	51.73	/	Pass
	3525	Outer_Full	48.52	51.80	/	Pass
DFT-s-OFDM 64 QAM	3475.005	Outer_Full	48.57	51.92	/	Pass
	3499.995	Outer_Full	48.62	51.80	/	Pass
	3525	Outer_Full	48.68	51.94	/	Pass
DFT-s-OFDM 256 QAM	3475.005	Outer_Full	48.68	51.91	/	Pass
	3499.995	Outer_Full	48.57	51.95	/	Pass
	3525	Outer_Full	48.67	51.86	/	Pass
CP-OFDM QPSK	3475.005	Outer_Full	43.63	46.90	/	Pass
	3499.995	Outer_Full	43.64	46.79	/	Pass
	3525	Outer_Full	43.66	46.91	/	Pass
CP-OFDM 16 QAM	3475.005	Outer_Full	43.68	46.83	/	Pass
	3499.995	Outer_Full	43.67	46.83	/	Pass
	3525	Outer_Full	43.64	46.96	/	Pass
CP-OFDM 64 QAM	3475.005	Outer_Full	43.57	46.82	/	Pass
	3499.995	Outer_Full	43.56	46.80	/	Pass
	3525	Outer_Full	43.55	46.90	/	Pass
CP-OFDM 256 QAM	3475.005	Outer_Full	43.60	46.84	/	Pass
	3499.995	Outer_Full	43.68	46.89	/	Pass
	3525	Outer_Full	43.55	46.83	/	Pass

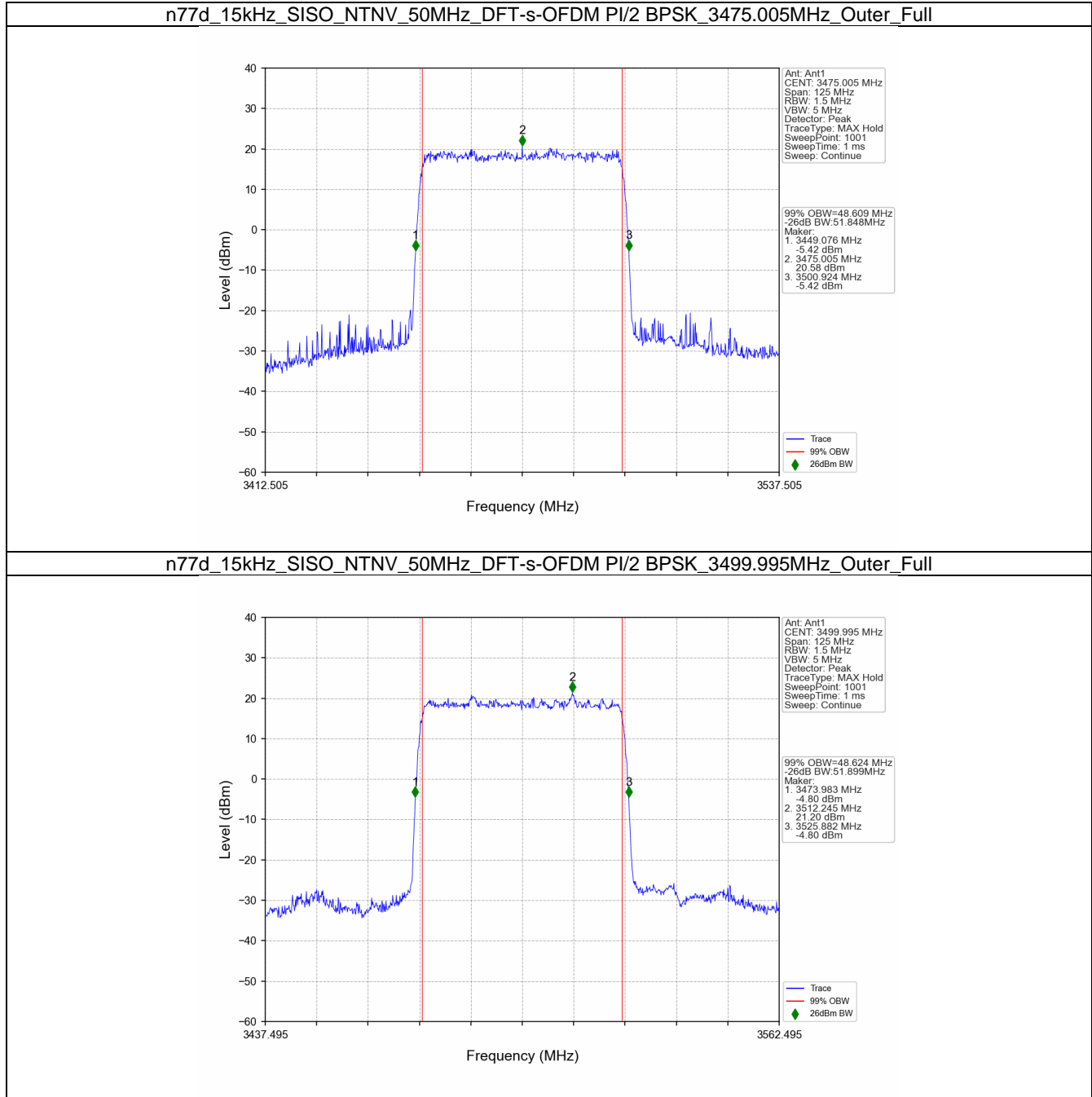


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4.7.2 Test Graph

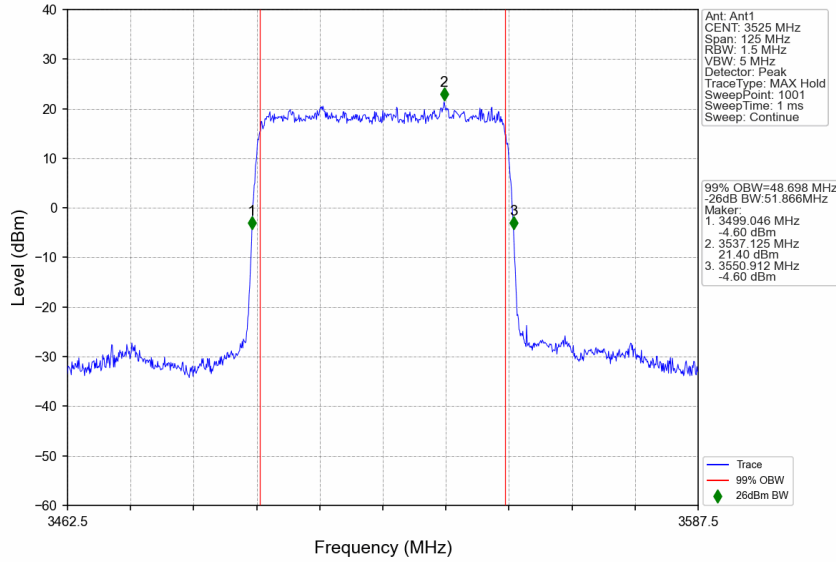


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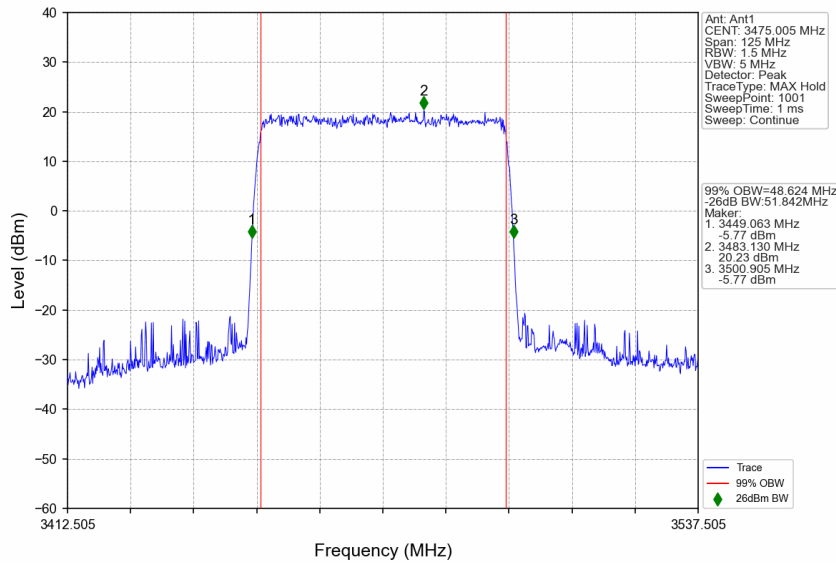
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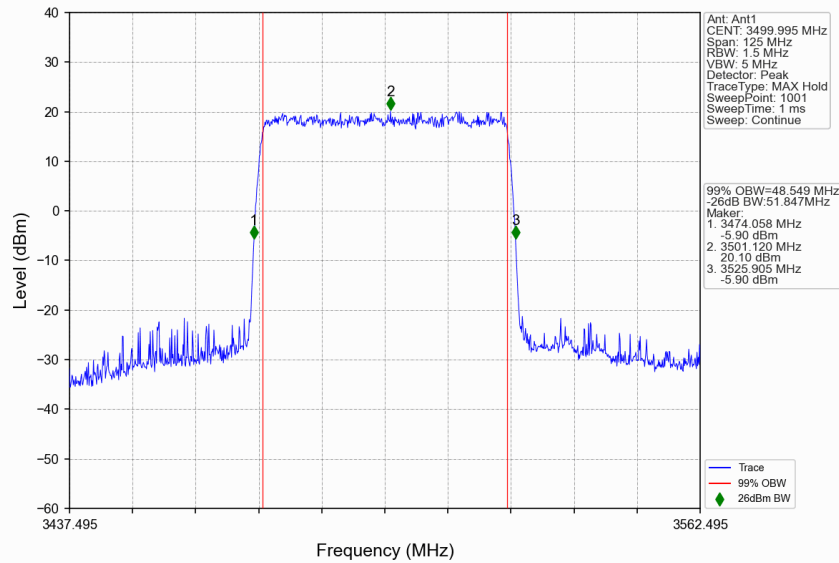


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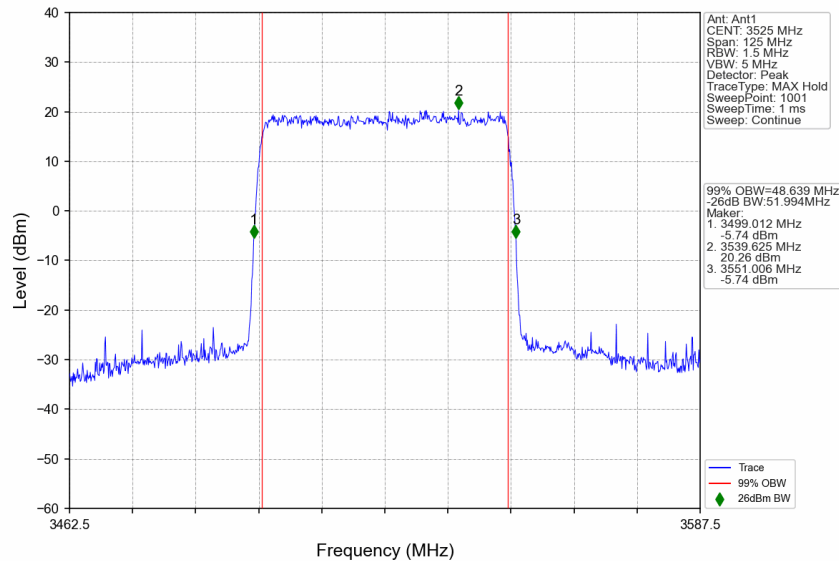
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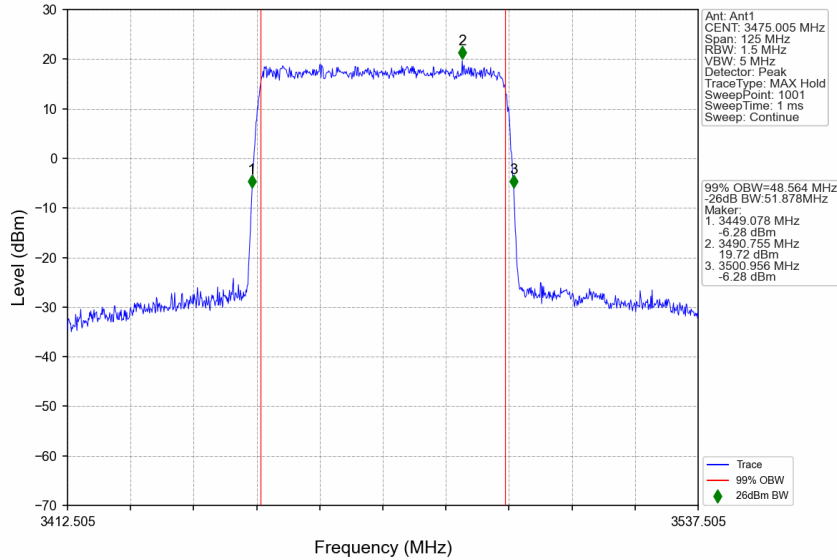


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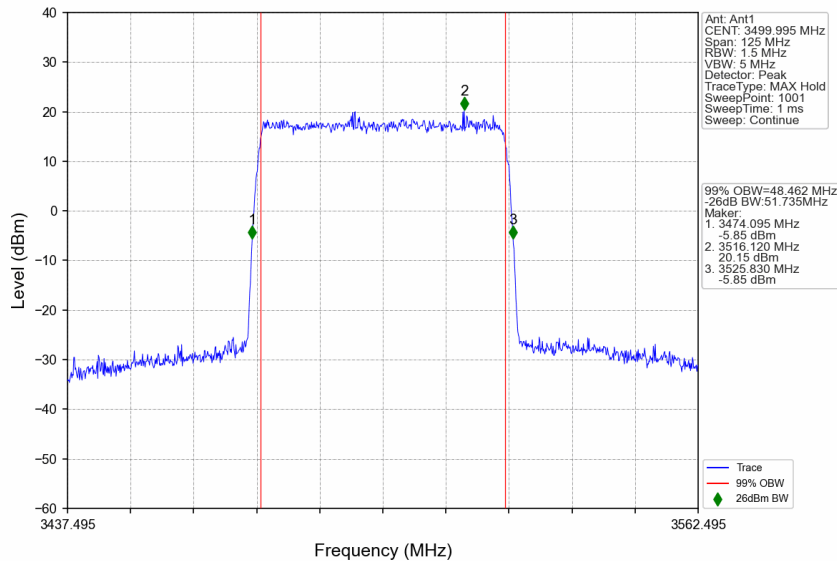
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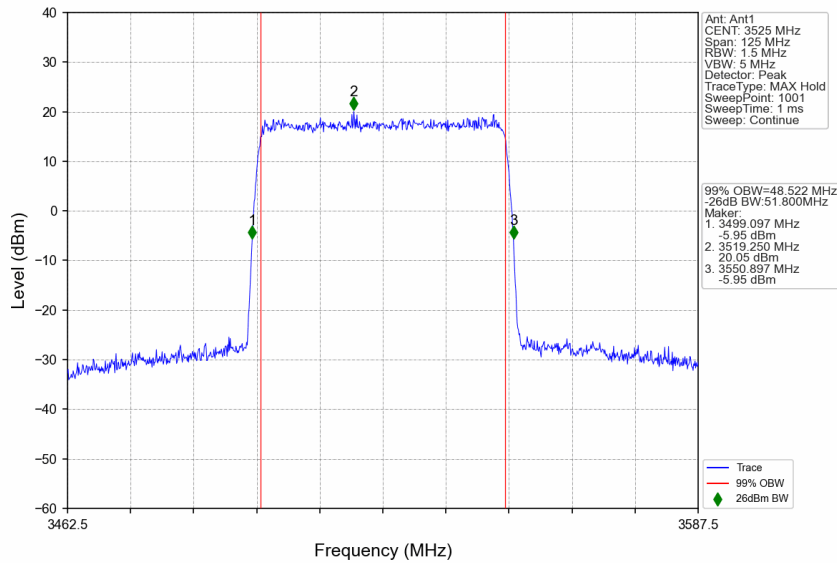


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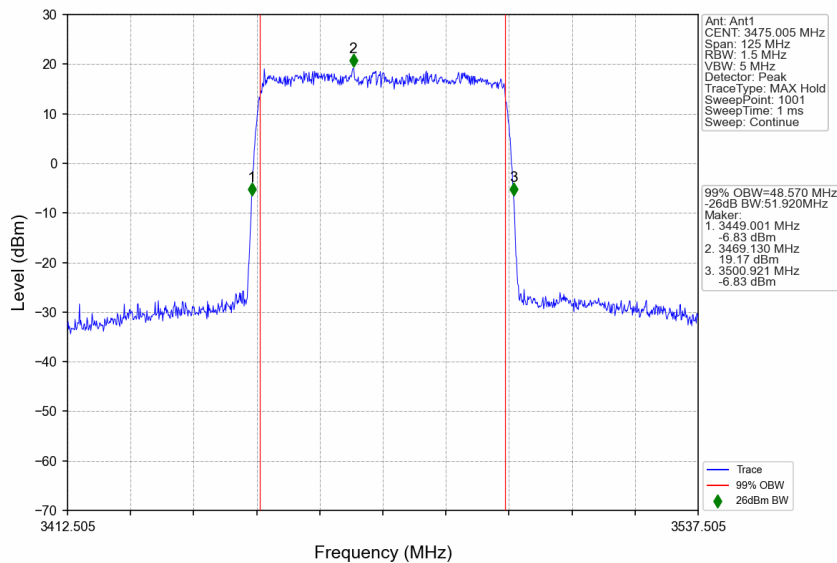
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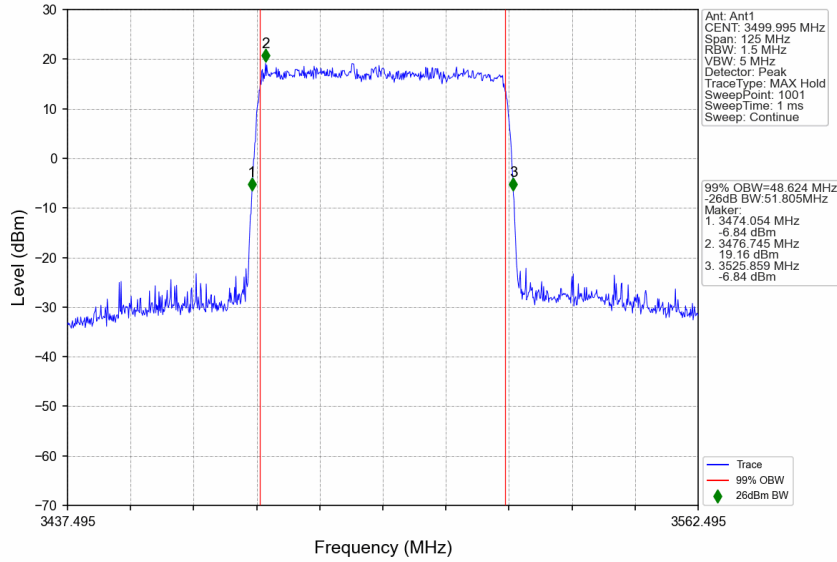


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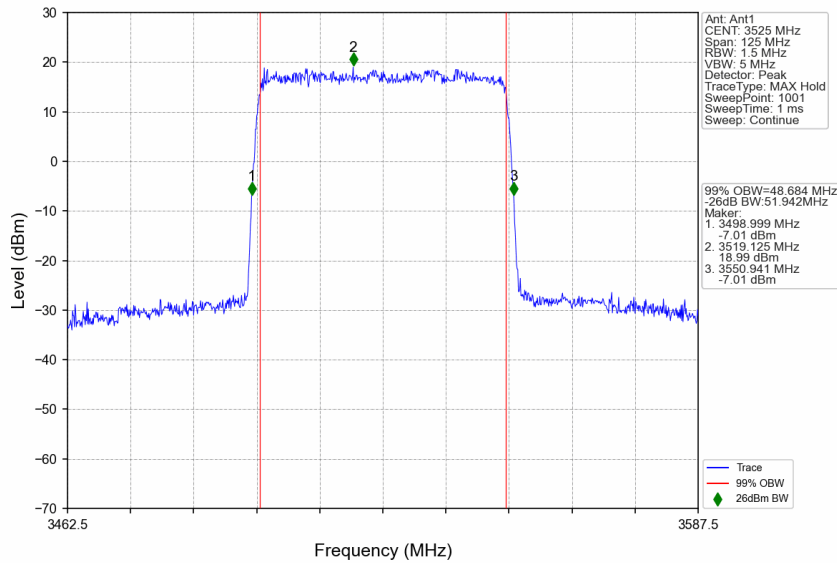
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n77d_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_3499.995MHz_Outer_Full



n77d_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM 64 QAM_3525MHz_Outer_Full

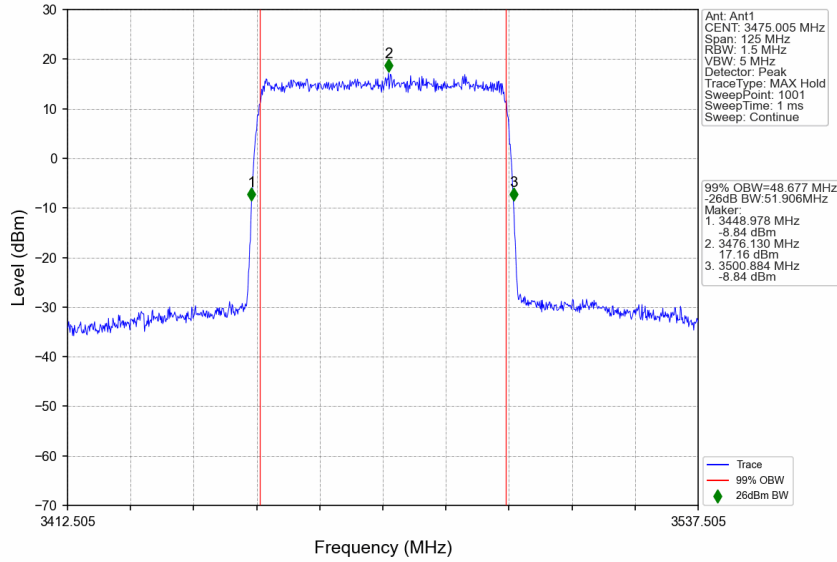


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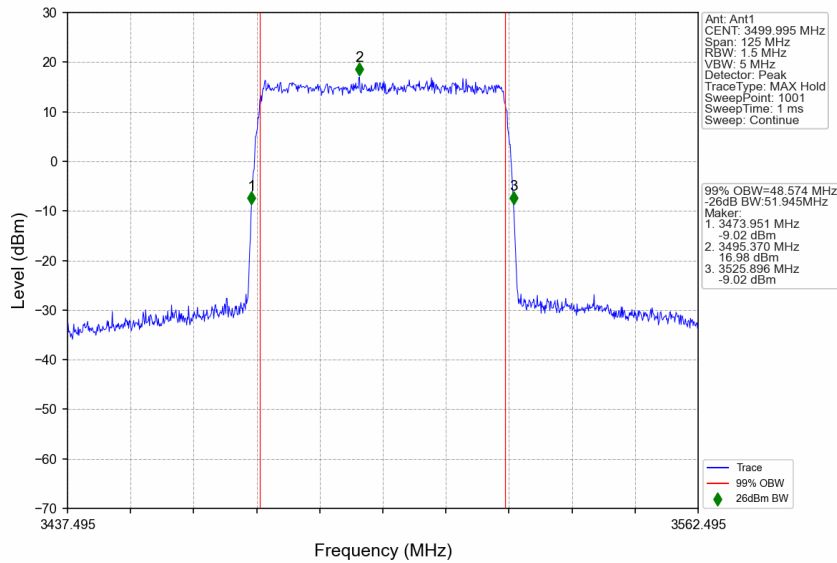
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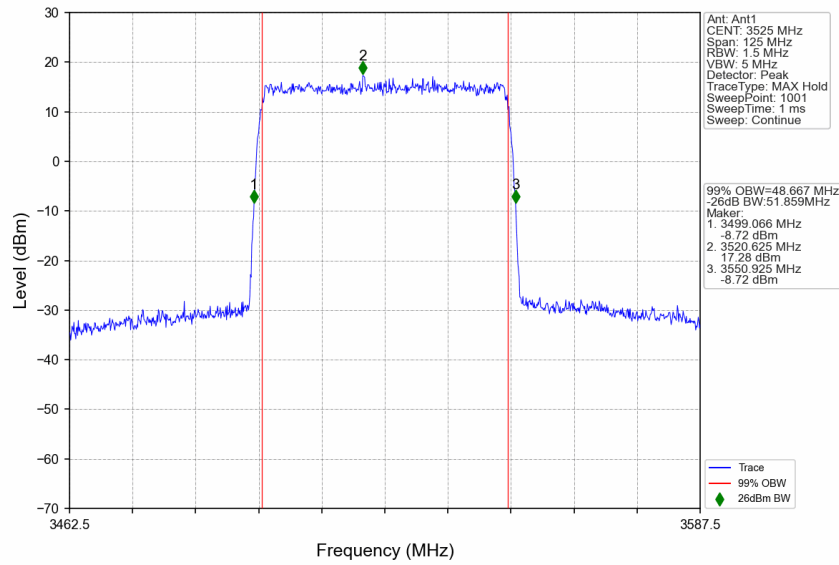


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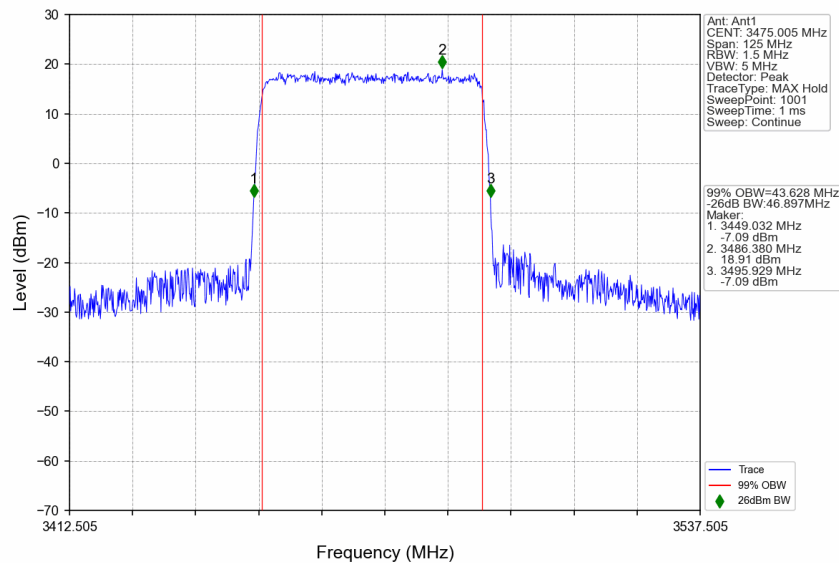
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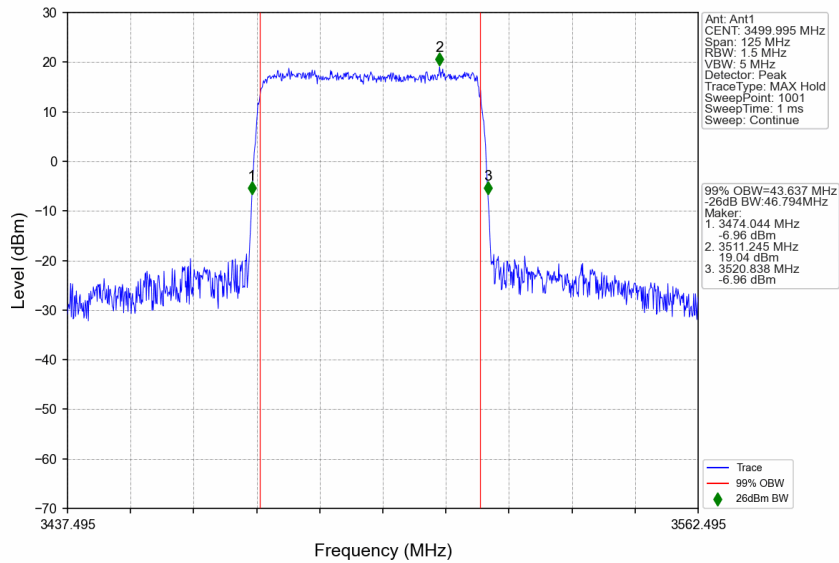


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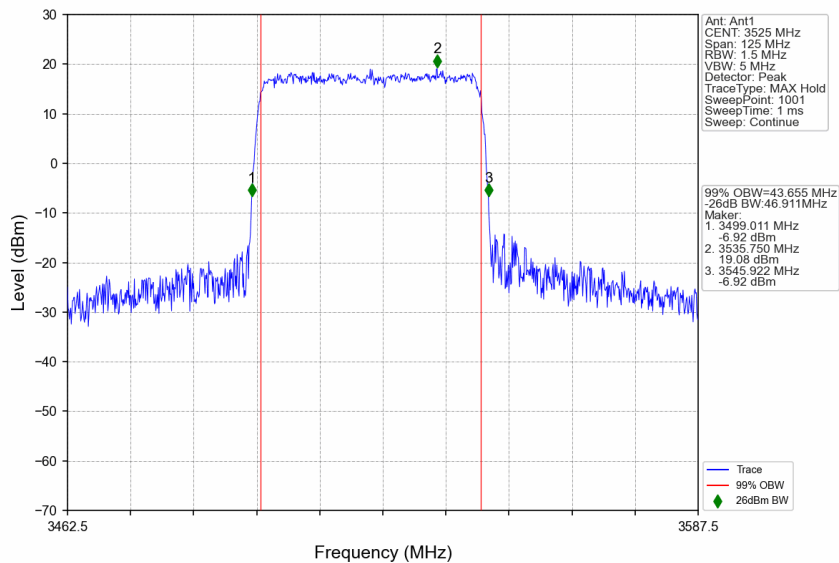
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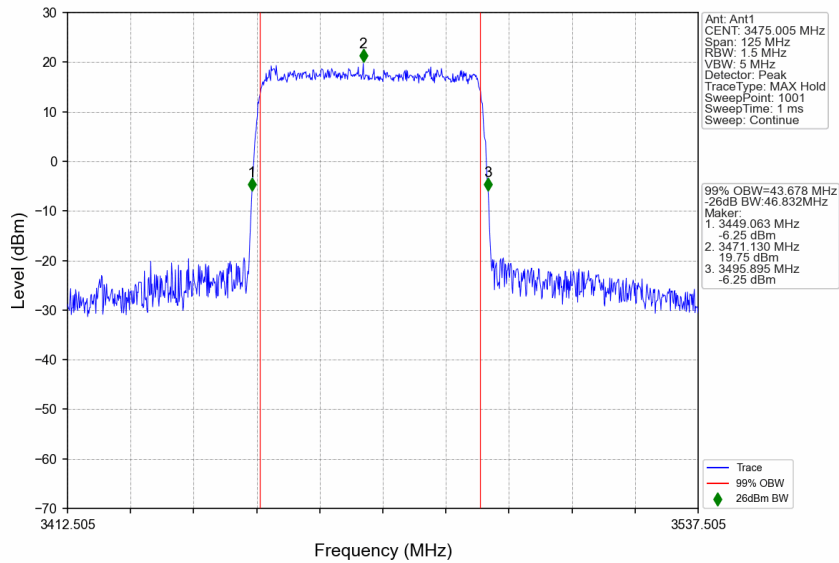


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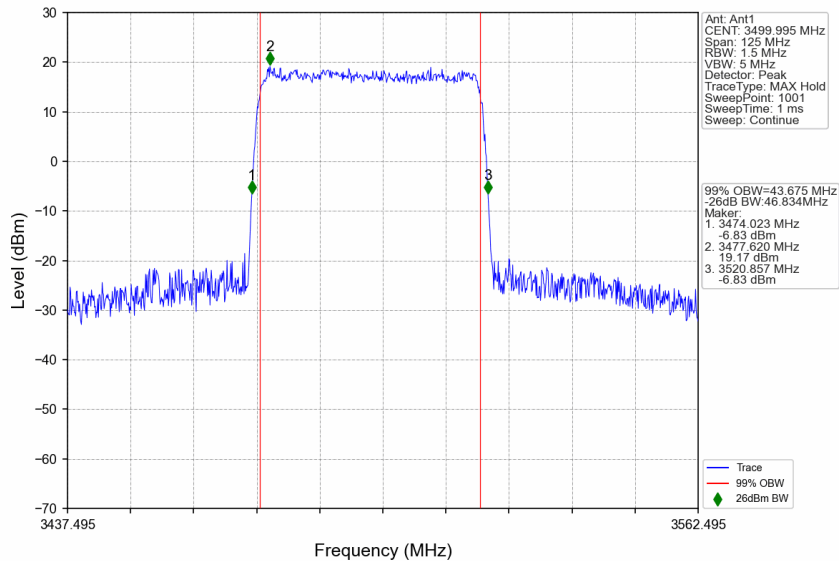
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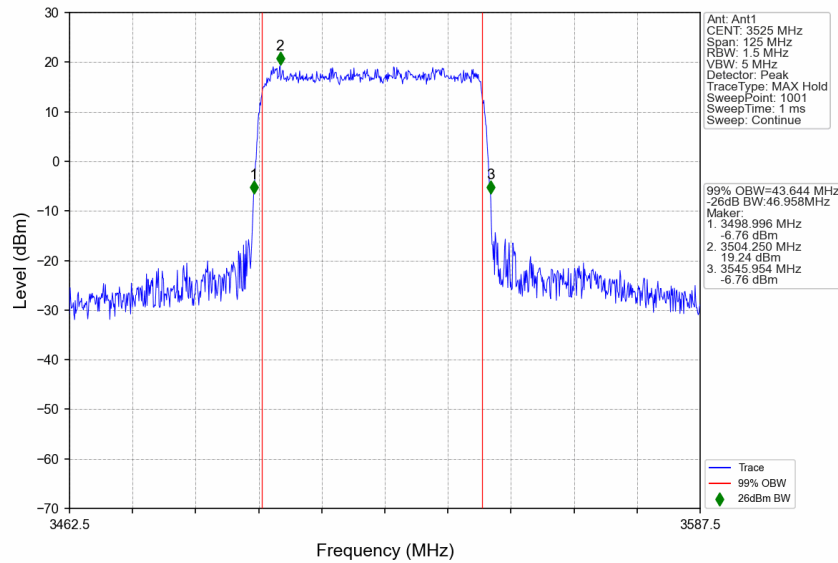


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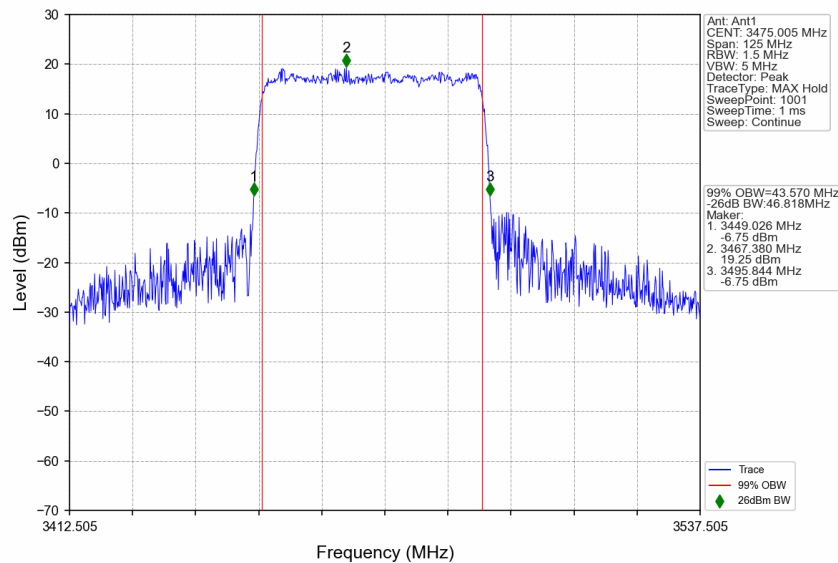
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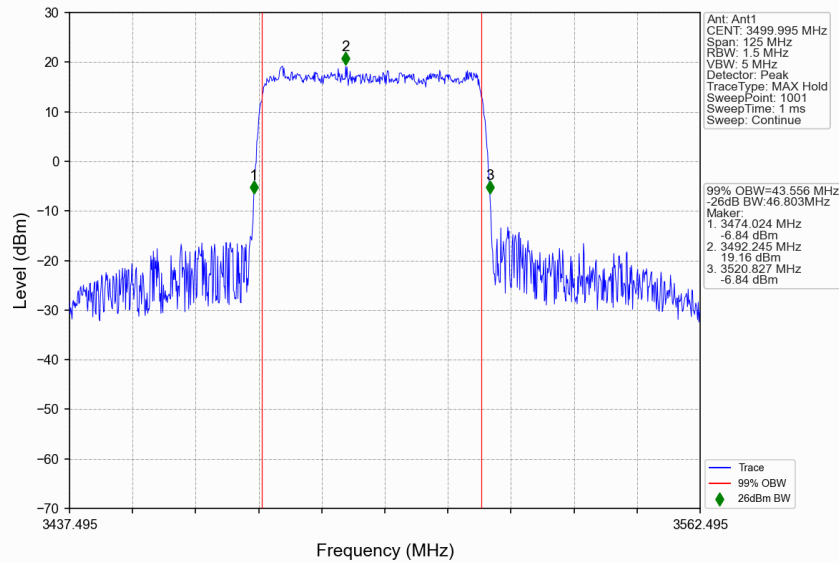


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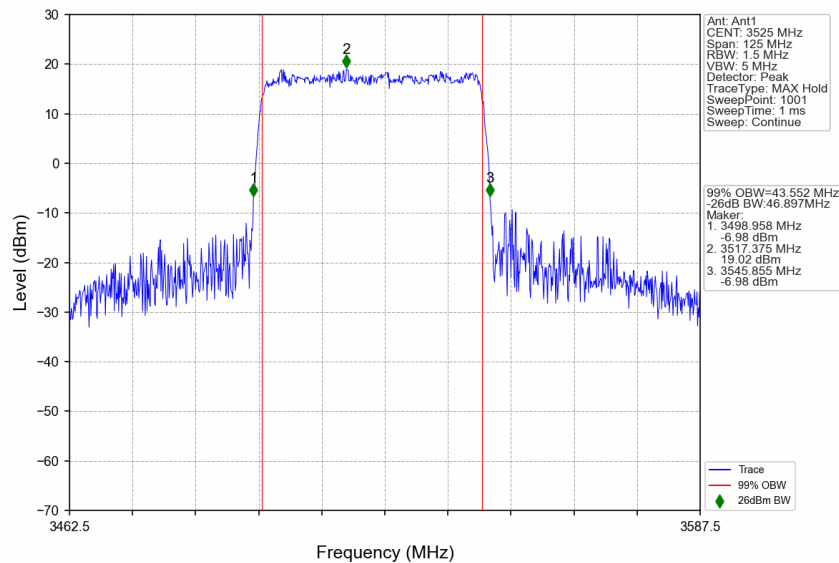
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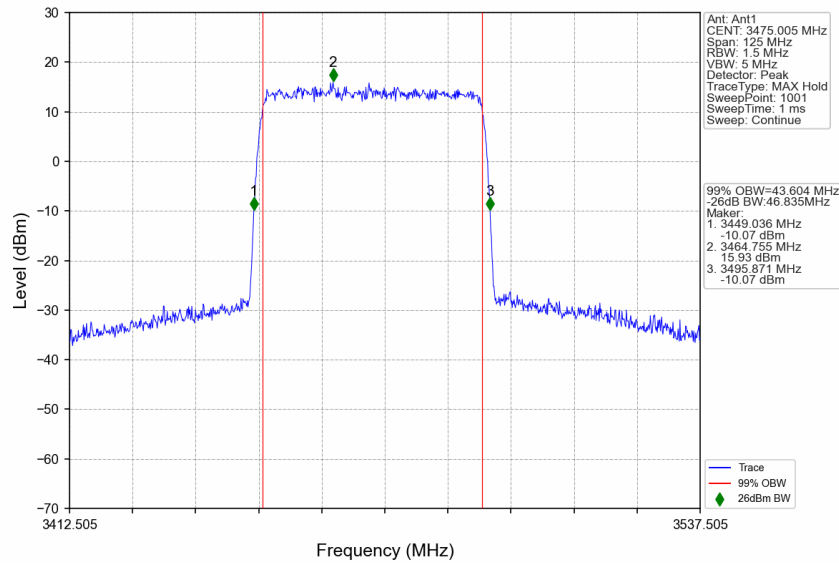


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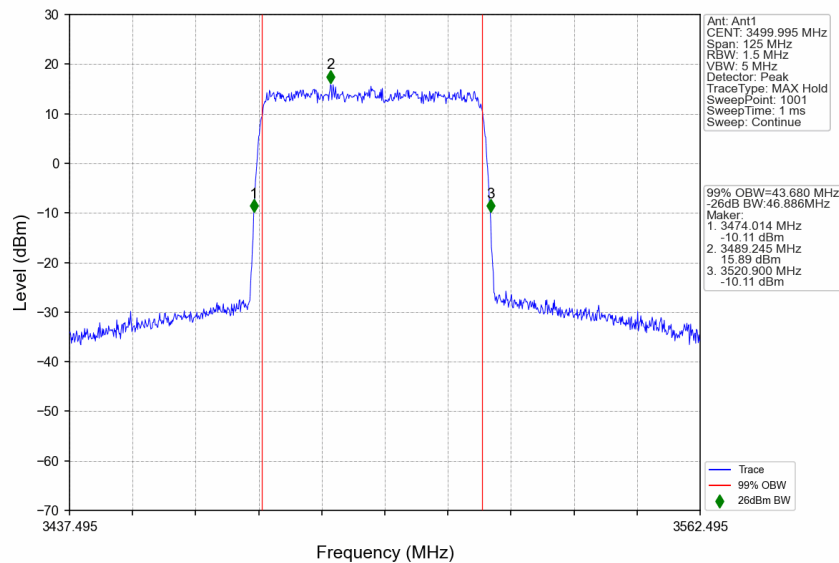
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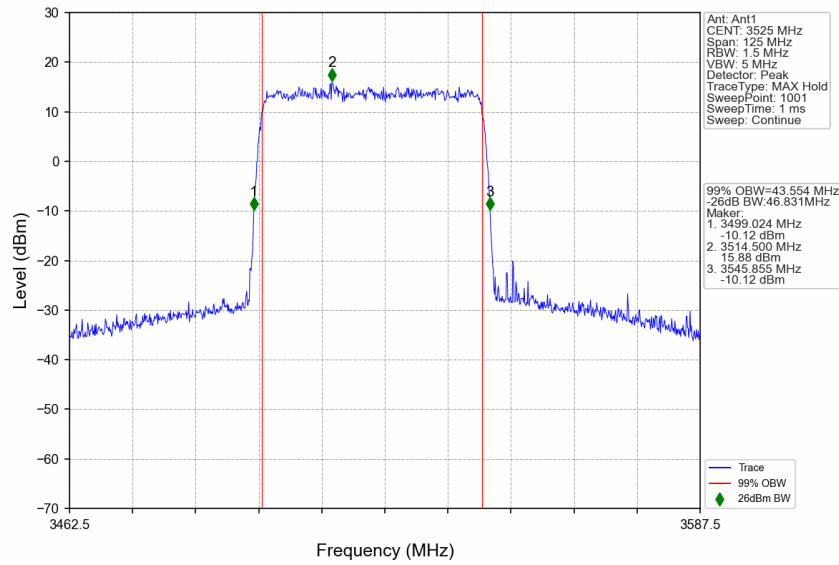


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4.8 30k_SISO_10MHz_NTNV

4.8.1 Test Result

5G NR n77d SCS=30kHz SISO 10MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3455.01	Outer_Full	8.71	9.60	/	Pass
	3500.01	Outer_Full	8.69	9.45	/	Pass
	3544.98	Outer_Full	8.70	9.56	/	Pass
DFT-s-OFDM QPSK	3455.01	Outer_Full	8.67	9.58	/	Pass
	3500.01	Outer_Full	8.69	9.49	/	Pass
	3544.98	Outer_Full	8.69	9.52	/	Pass
DFT-s-OFDM 16 QAM	3455.01	Outer_Full	8.67	9.49	/	Pass
	3500.01	Outer_Full	8.70	9.57	/	Pass
	3544.98	Outer_Full	8.66	9.54	/	Pass
DFT-s-OFDM 64 QAM	3455.01	Outer_Full	8.70	9.58	/	Pass
	3500.01	Outer_Full	8.71	9.56	/	Pass
	3544.98	Outer_Full	8.70	9.55	/	Pass
DFT-s-OFDM 256 QAM	3455.01	Outer_Full	8.65	9.54	/	Pass
	3500.01	Outer_Full	8.65	9.44	/	Pass
	3544.98	Outer_Full	8.66	9.51	/	Pass
CP-OFDM QPSK	3455.01	Outer_Full	8.67	9.57	/	Pass
	3500.01	Outer_Full	8.66	9.57	/	Pass
	3544.98	Outer_Full	8.66	9.57	/	Pass
CP-OFDM 16 QAM	3455.01	Outer_Full	8.64	9.54	/	Pass
	3500.01	Outer_Full	8.67	9.52	/	Pass
	3544.98	Outer_Full	8.68	9.58	/	Pass
CP-OFDM 64 QAM	3455.01	Outer_Full	8.65	9.55	/	Pass
	3500.01	Outer_Full	8.66	9.51	/	Pass
	3544.98	Outer_Full	8.65	9.58	/	Pass
CP-OFDM 256 QAM	3455.01	Outer_Full	8.72	9.62	/	Pass
	3500.01	Outer_Full	8.72	9.60	/	Pass
	3544.98	Outer_Full	8.71	9.55	/	Pass

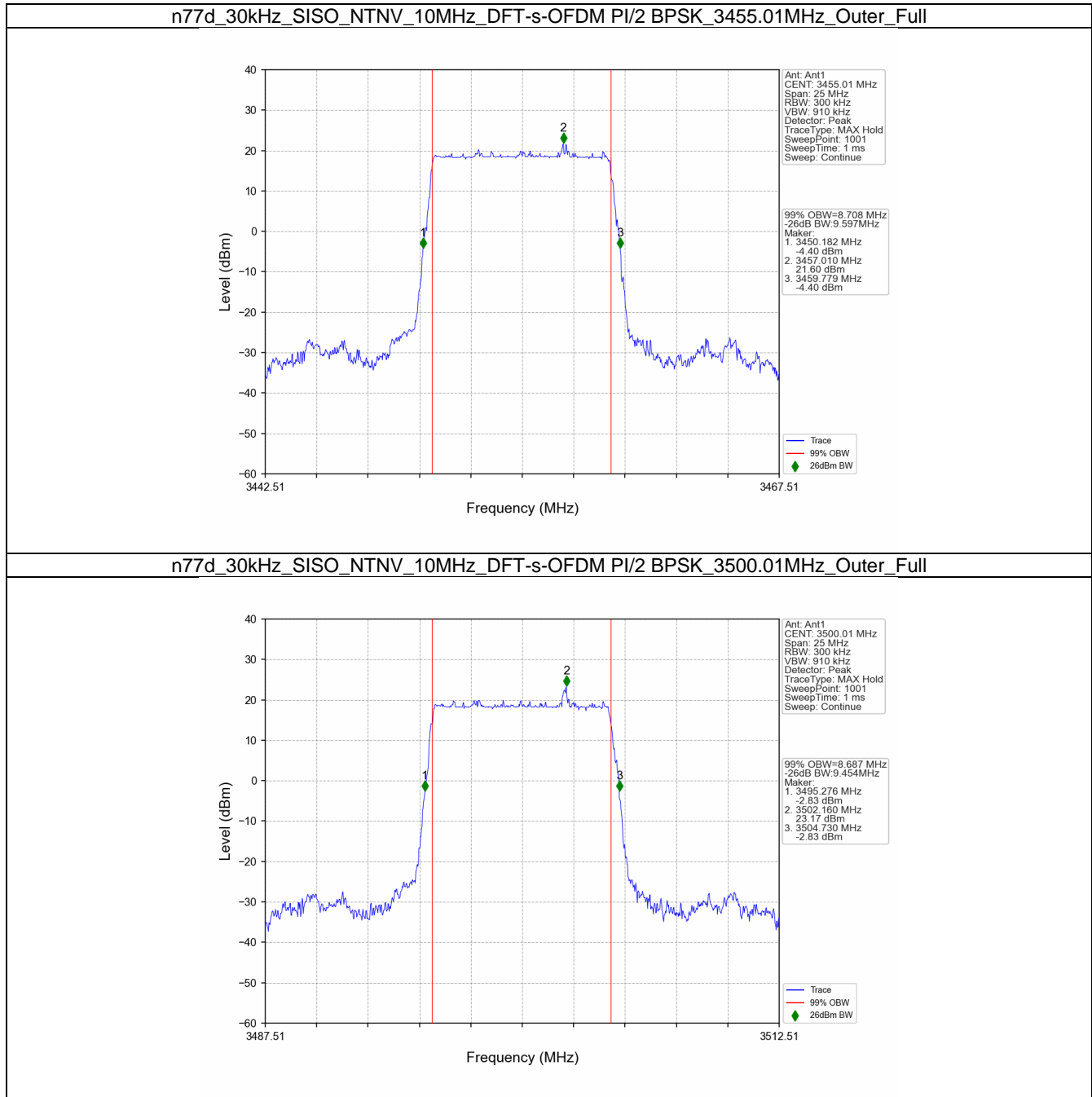


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4.8.2 Test Graph

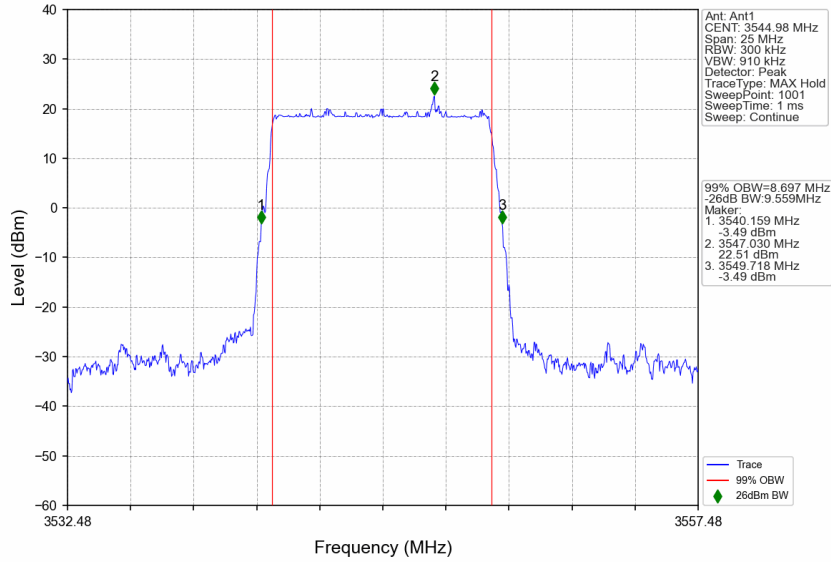


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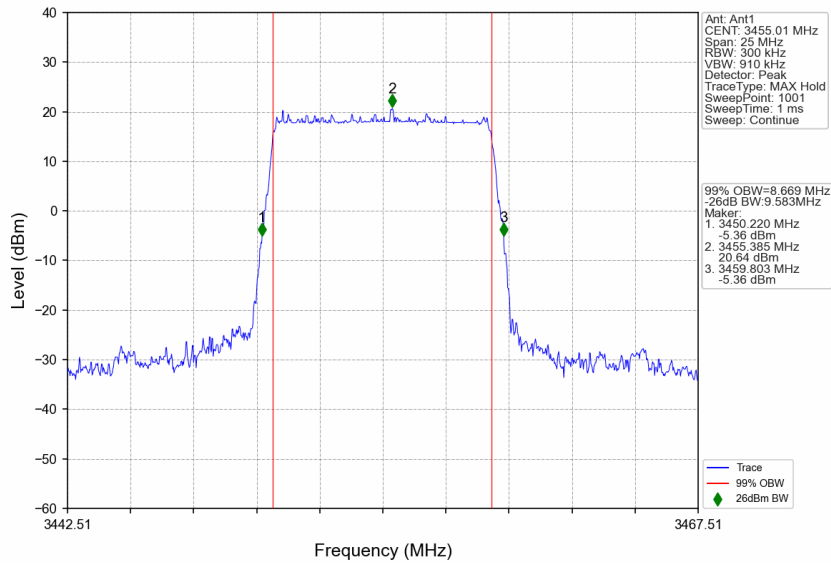
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n77d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3544.98MHz_Outer_Full



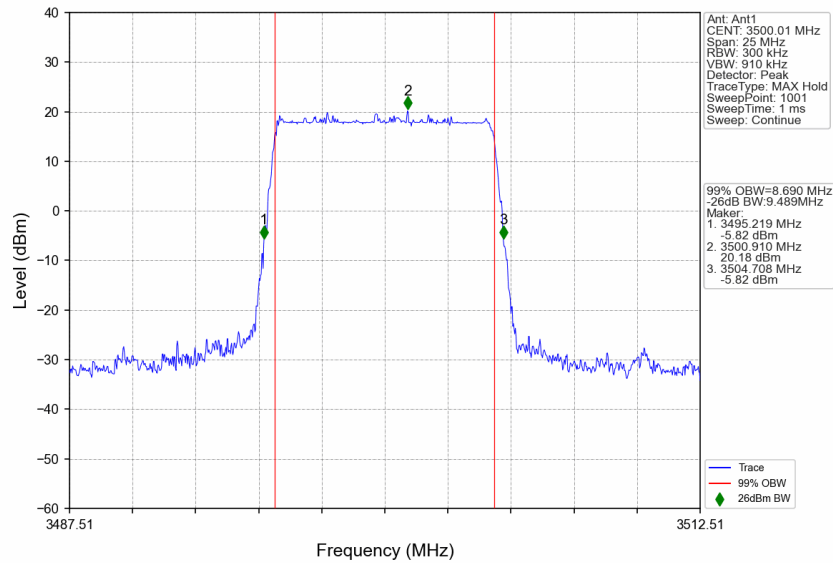
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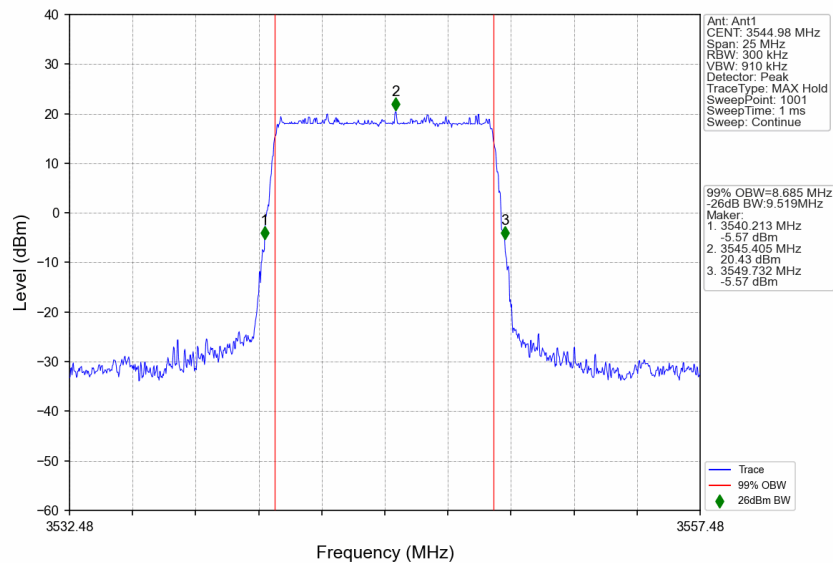
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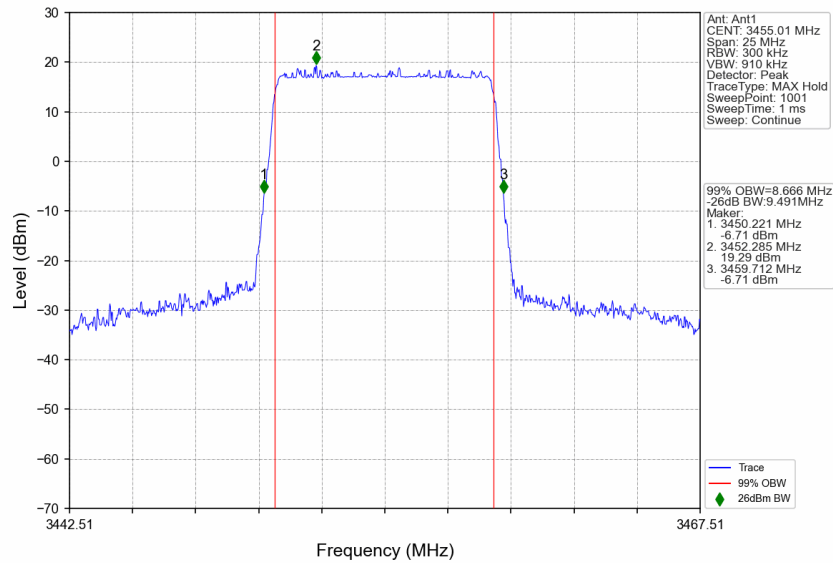


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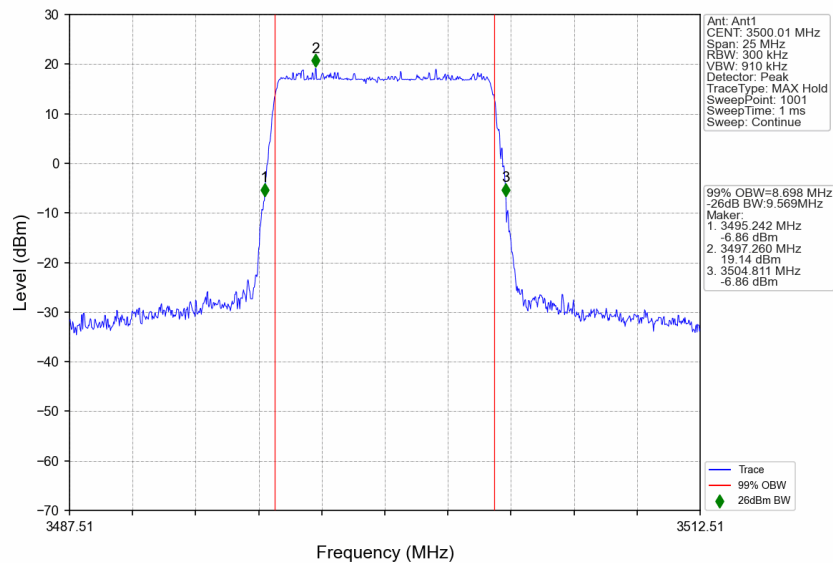
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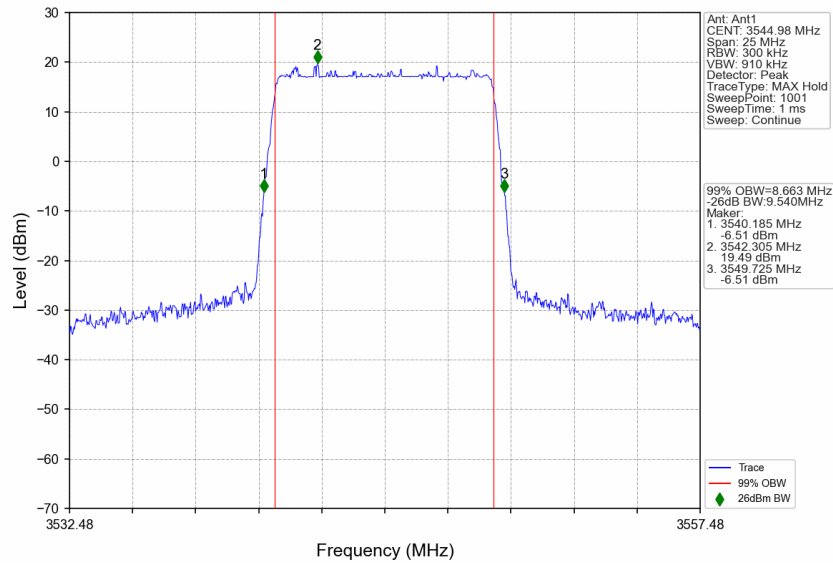


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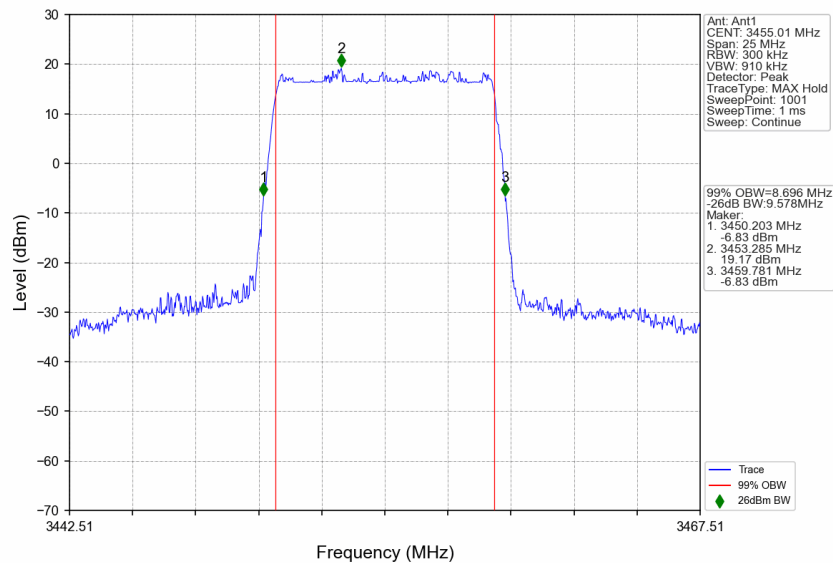
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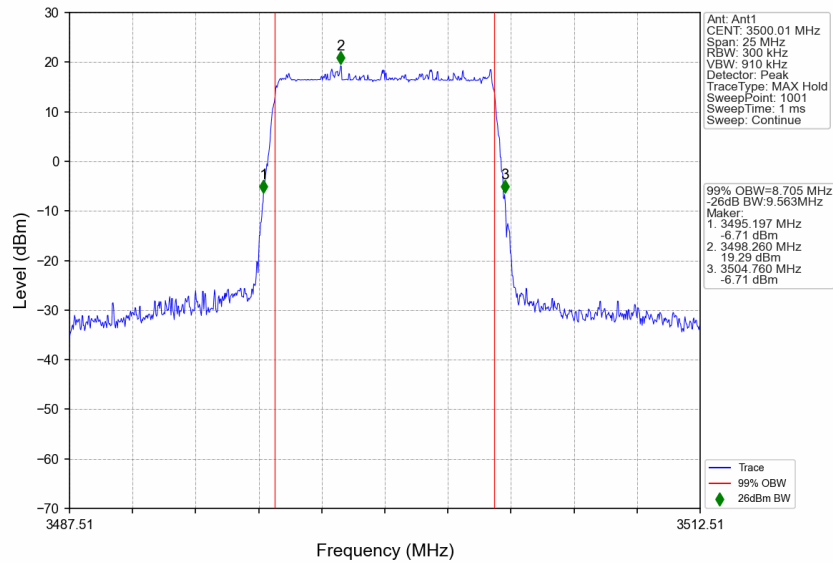


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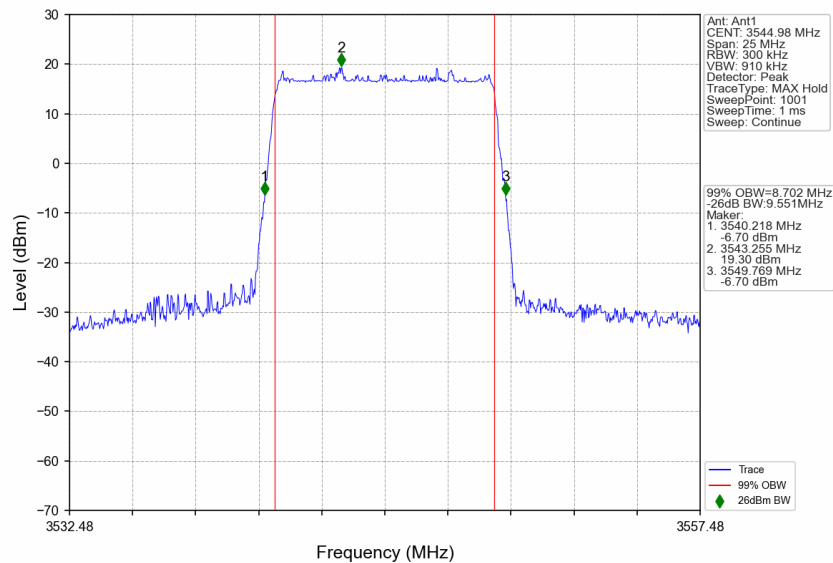
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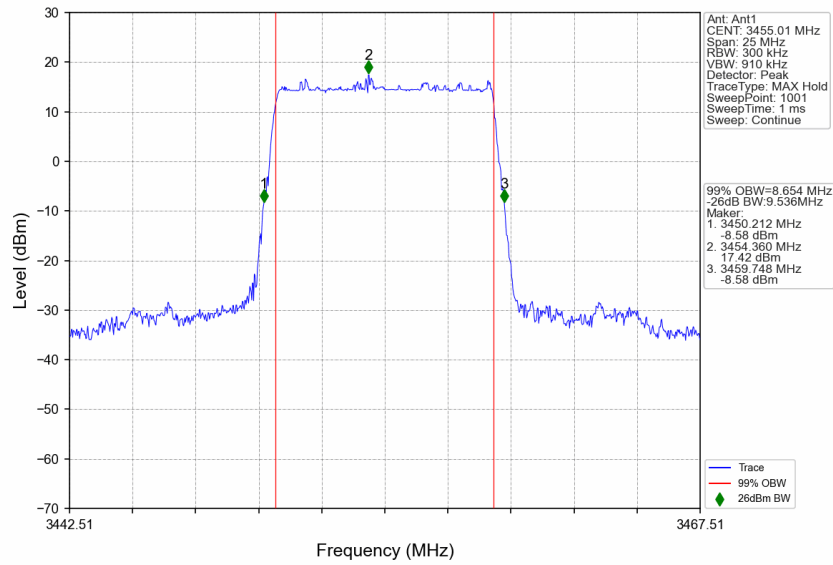


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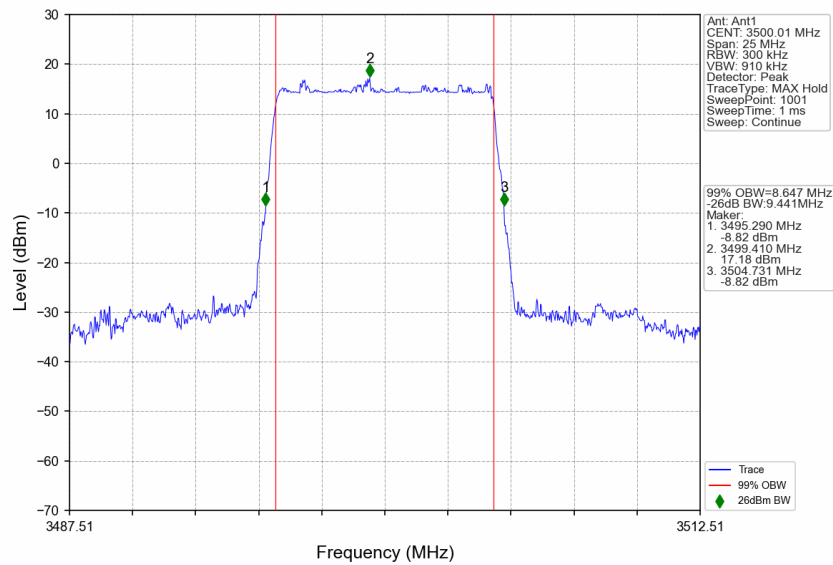
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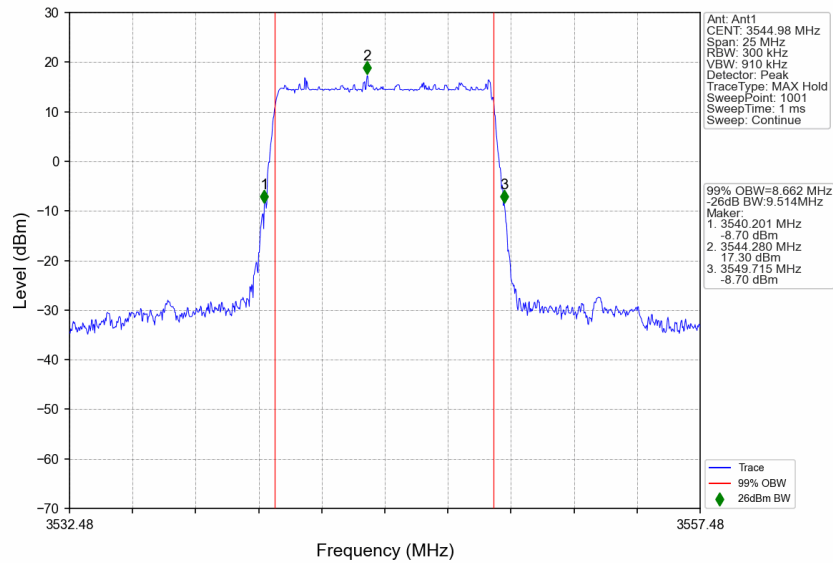


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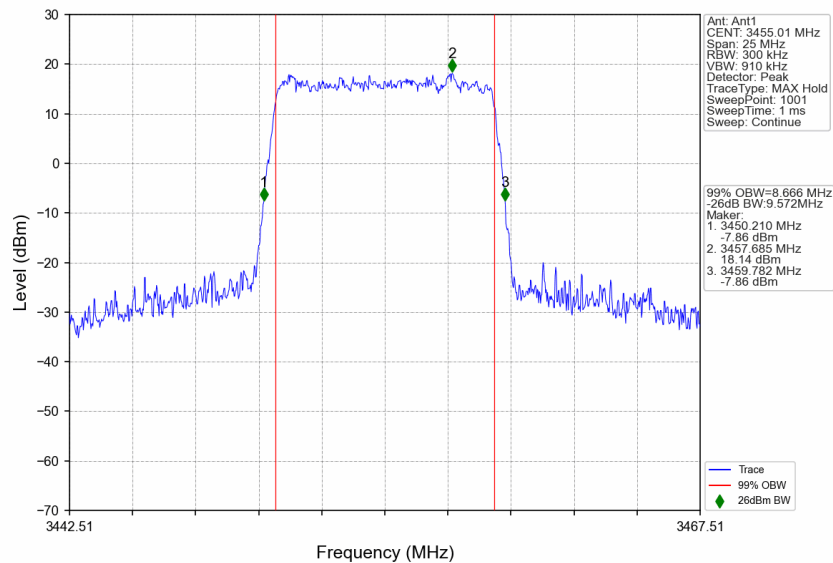
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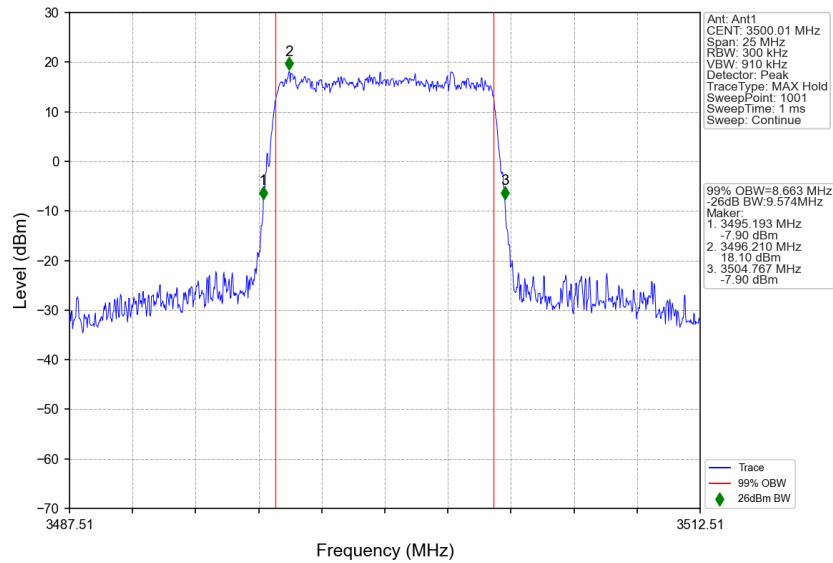


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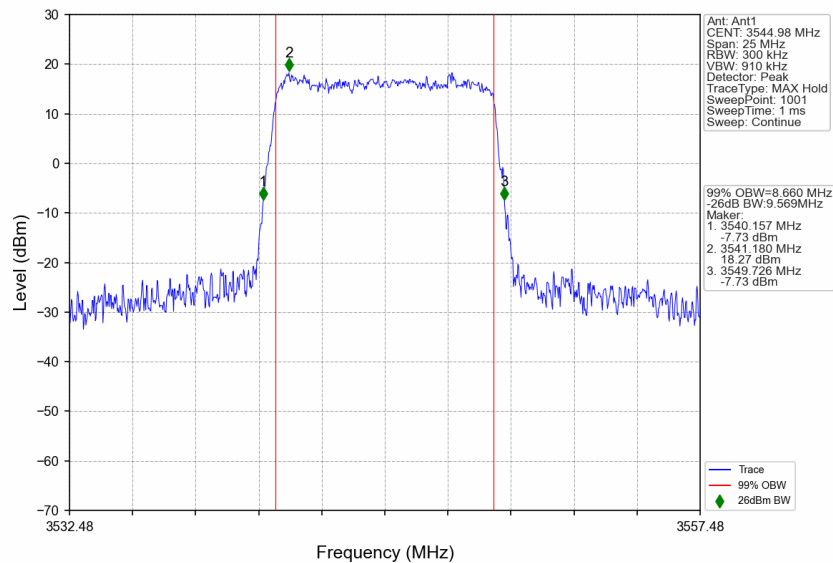
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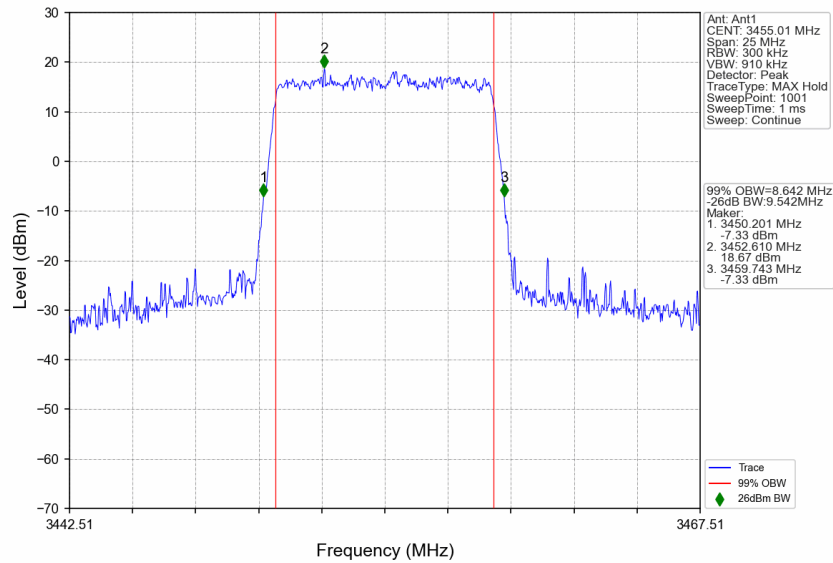


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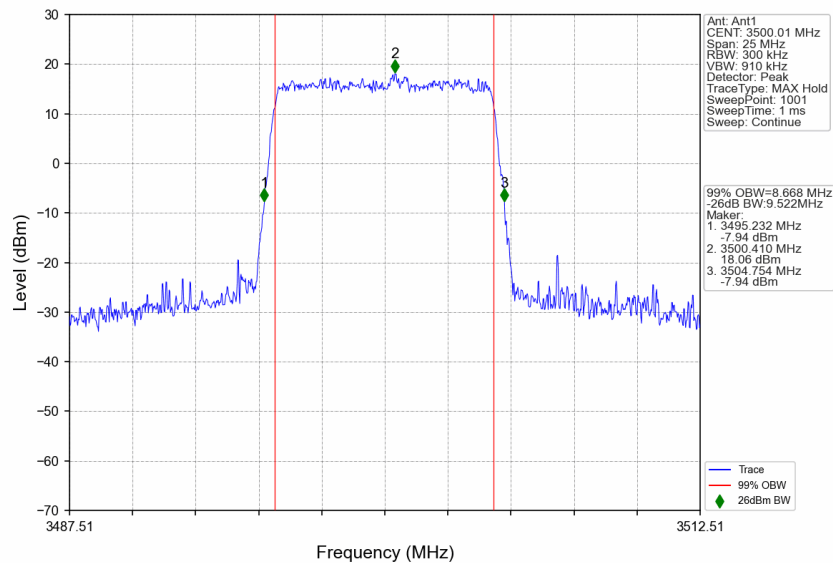
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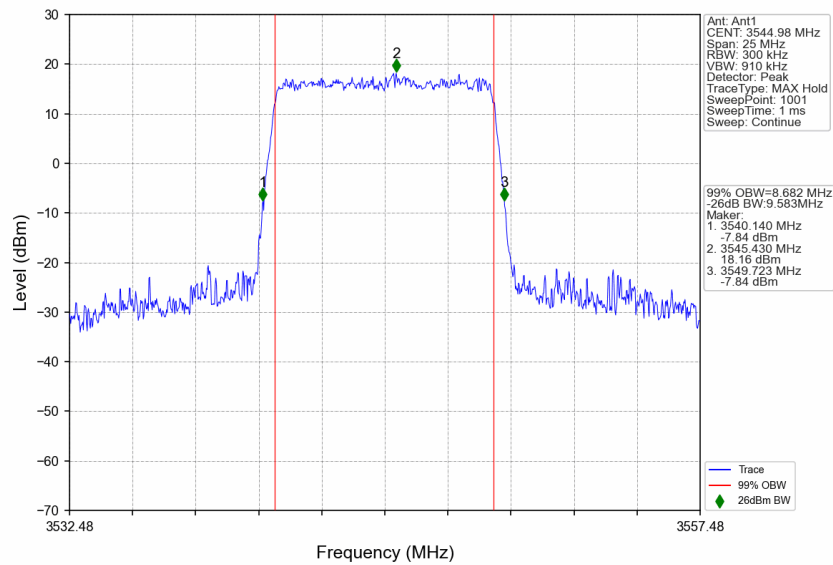


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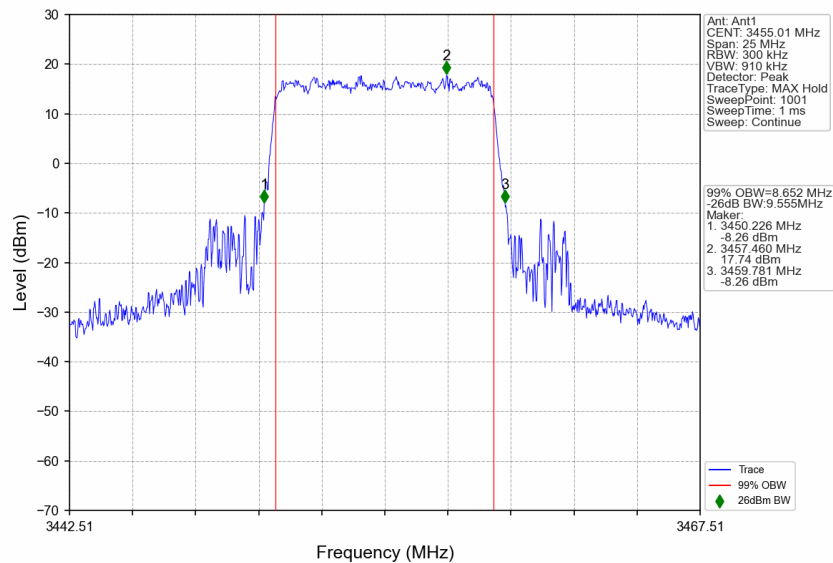
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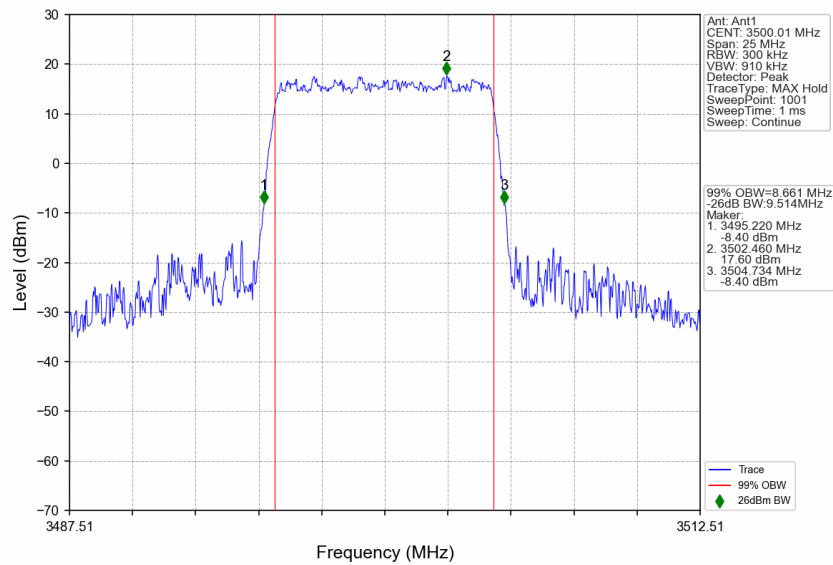


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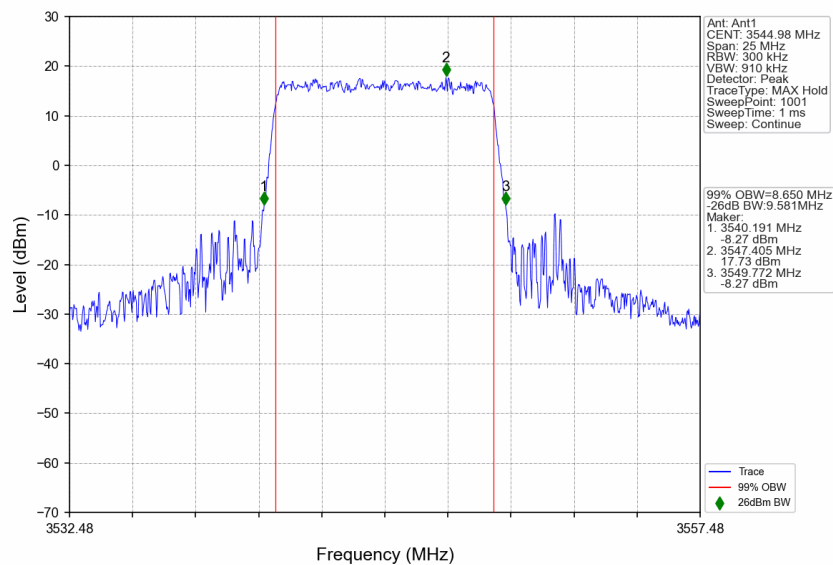
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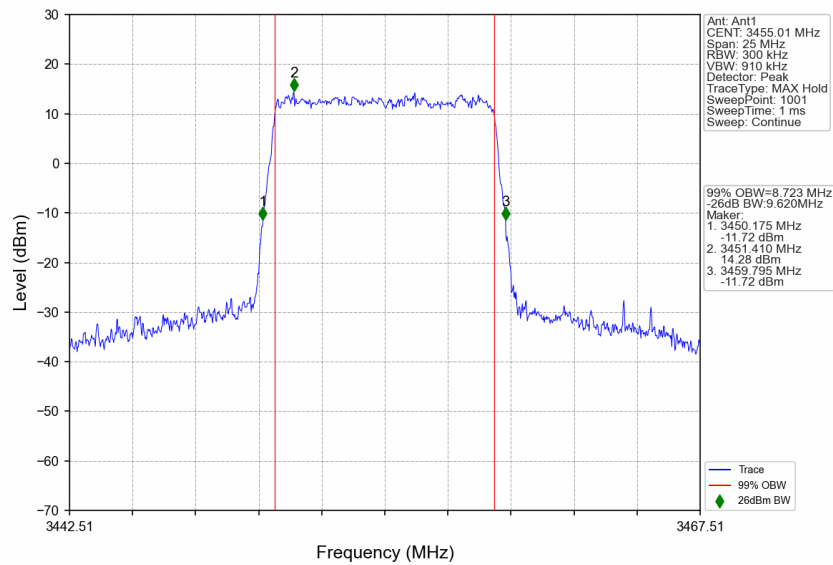


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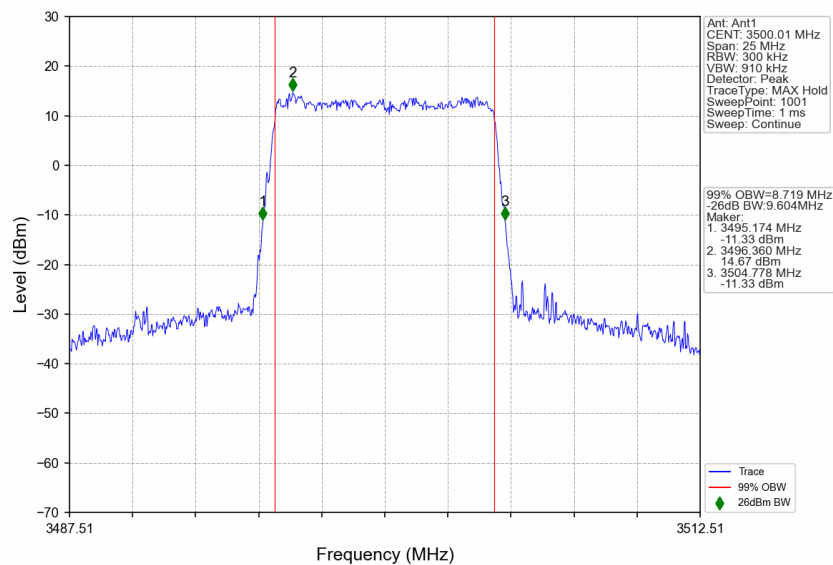
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n77d_30kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_3500.01MHz_Outer_Full

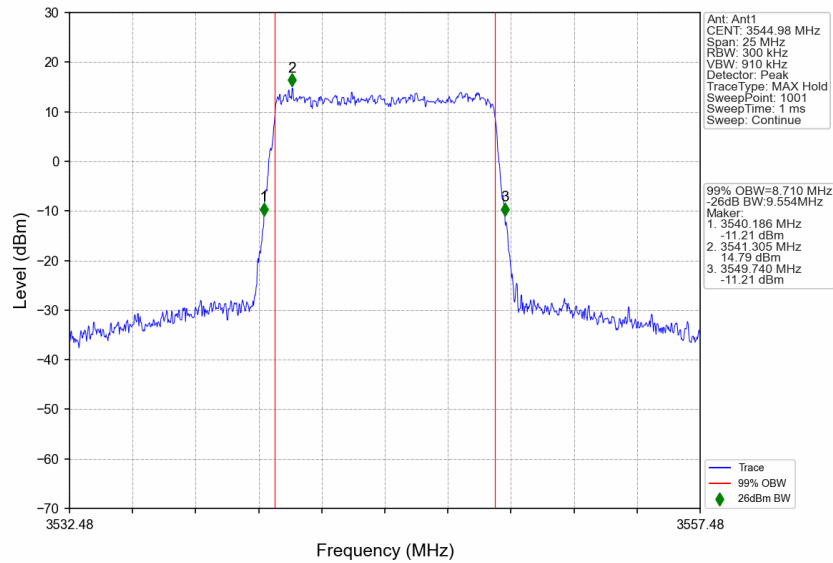


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4.9 30k_SISO_15MHz_NTNV

4.9.1 Test Result

5G NR n77d SCS=30kHz SISO 15MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3457.5	Outer_Full	13.04	14.06	/	Pass
	3500.01	Outer_Full	13.07	14.13	/	Pass
	3542.49	Outer_Full	13.06	14.14	/	Pass
DFT-s-OFDM QPSK	3457.5	Outer_Full	13.02	14.13	/	Pass
	3500.01	Outer_Full	13.04	14.03	/	Pass
	3542.49	Outer_Full	13.03	14.14	/	Pass
DFT-s-OFDM 16 QAM	3457.5	Outer_Full	13.06	14.22	/	Pass
	3500.01	Outer_Full	13.03	14.14	/	Pass
	3542.49	Outer_Full	13.01	14.07	/	Pass
DFT-s-OFDM 64 QAM	3457.5	Outer_Full	13.10	14.14	/	Pass
	3500.01	Outer_Full	13.10	14.17	/	Pass
	3542.49	Outer_Full	13.09	14.15	/	Pass
DFT-s-OFDM 256 QAM	3457.5	Outer_Full	12.99	14.15	/	Pass
	3500.01	Outer_Full	13.00	14.15	/	Pass
	3542.49	Outer_Full	13.01	14.13	/	Pass
CP-OFDM QPSK	3457.5	Outer_Full	13.69	14.84	/	Pass
	3500.01	Outer_Full	13.72	14.90	/	Pass
	3542.49	Outer_Full	13.69	14.89	/	Pass
CP-OFDM 16 QAM	3457.5	Outer_Full	13.70	14.88	/	Pass
	3500.01	Outer_Full	13.69	14.93	/	Pass
	3542.49	Outer_Full	13.71	14.96	/	Pass
CP-OFDM 64 QAM	3457.5	Outer_Full	13.74	14.85	/	Pass
	3500.01	Outer_Full	13.77	14.93	/	Pass
	3542.49	Outer_Full	13.76	14.85	/	Pass
CP-OFDM 256 QAM	3457.5	Outer_Full	13.71	14.84	/	Pass
	3500.01	Outer_Full	13.74	14.93	/	Pass
	3542.49	Outer_Full	13.70	14.91	/	Pass

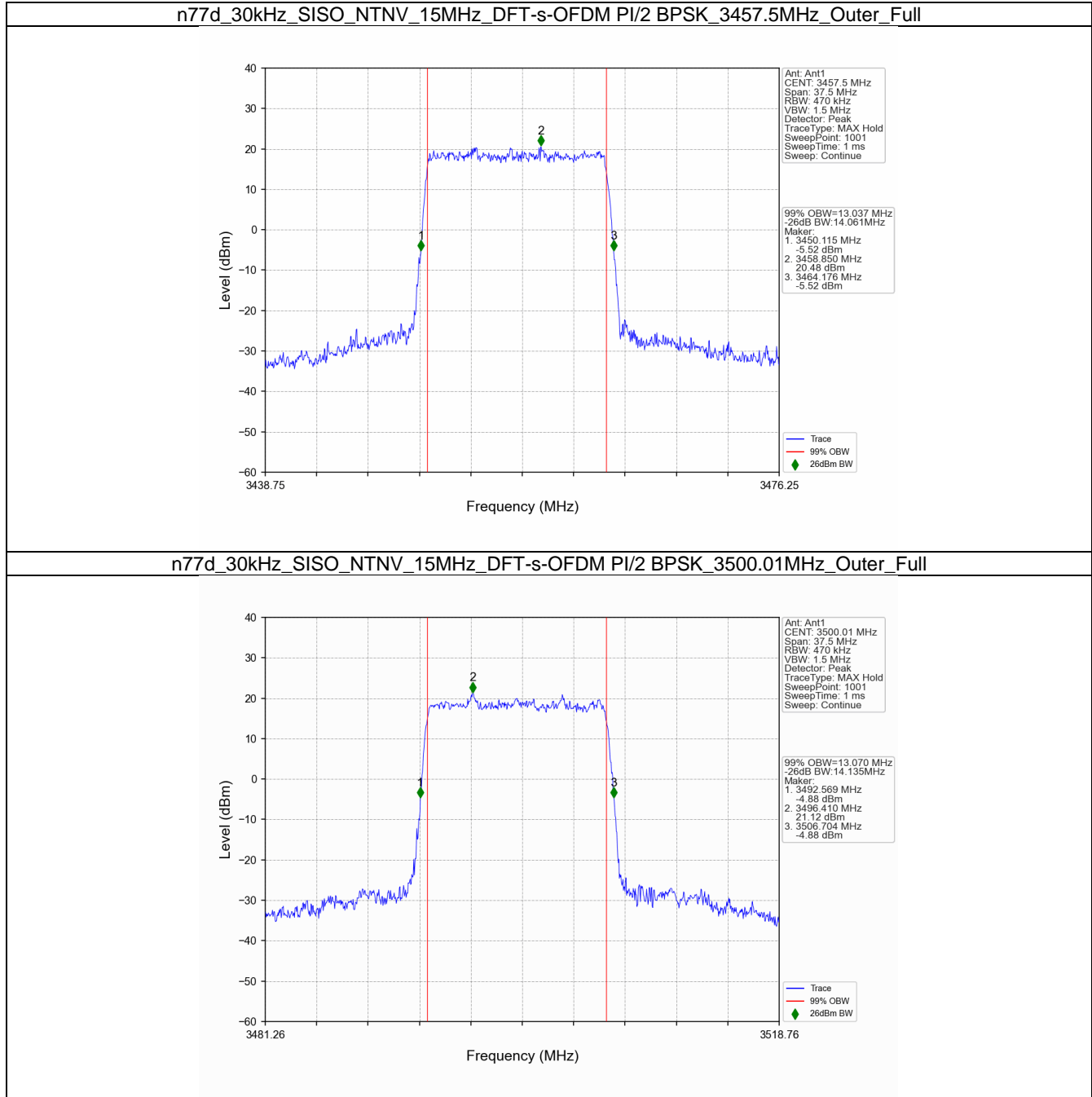


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4.9.2 Test Graph

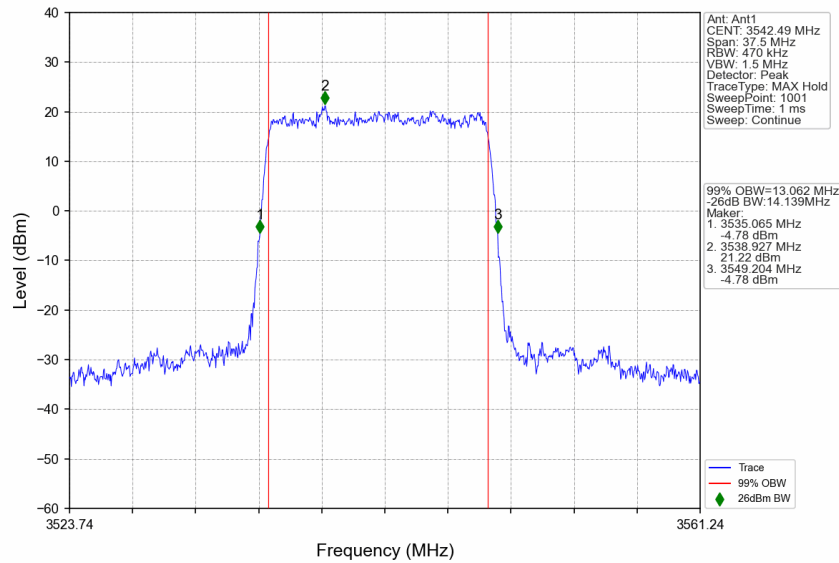


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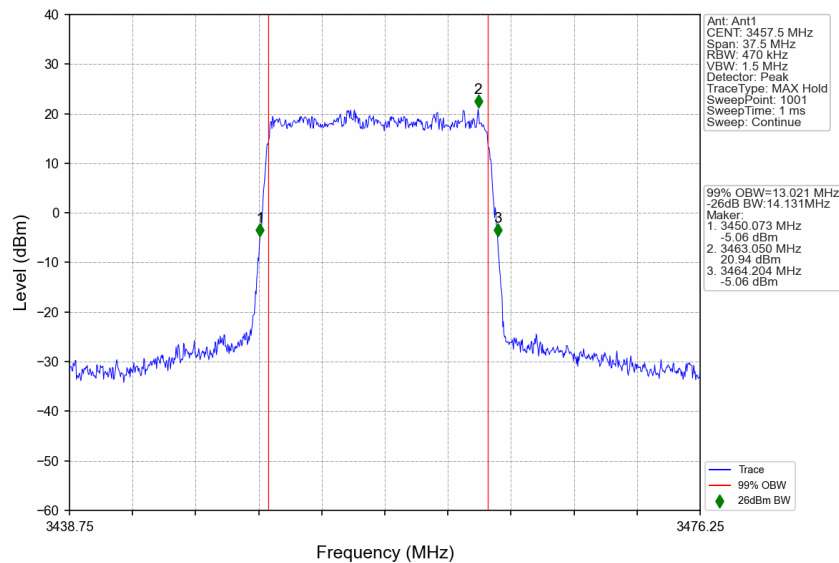
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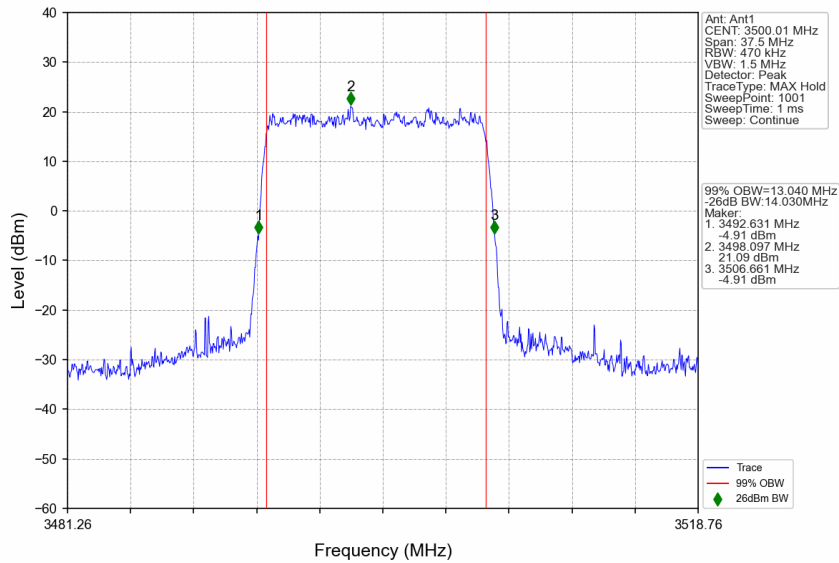


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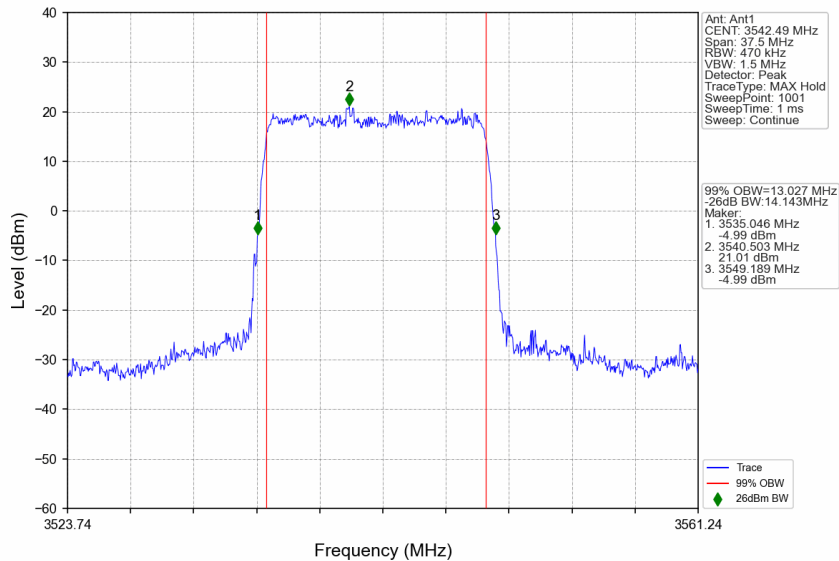
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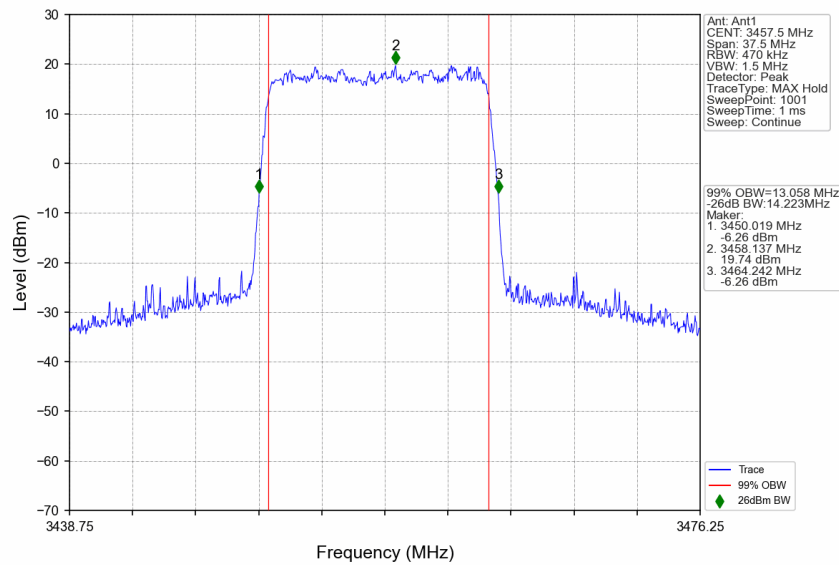


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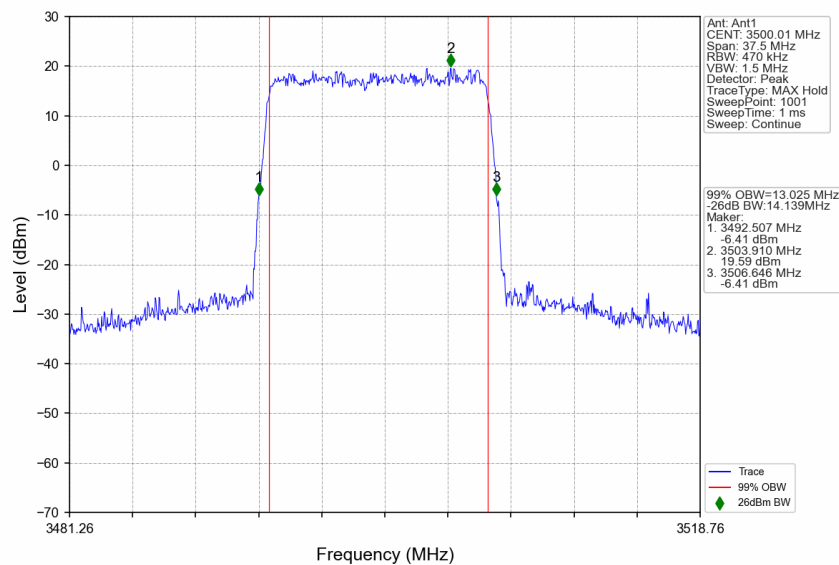
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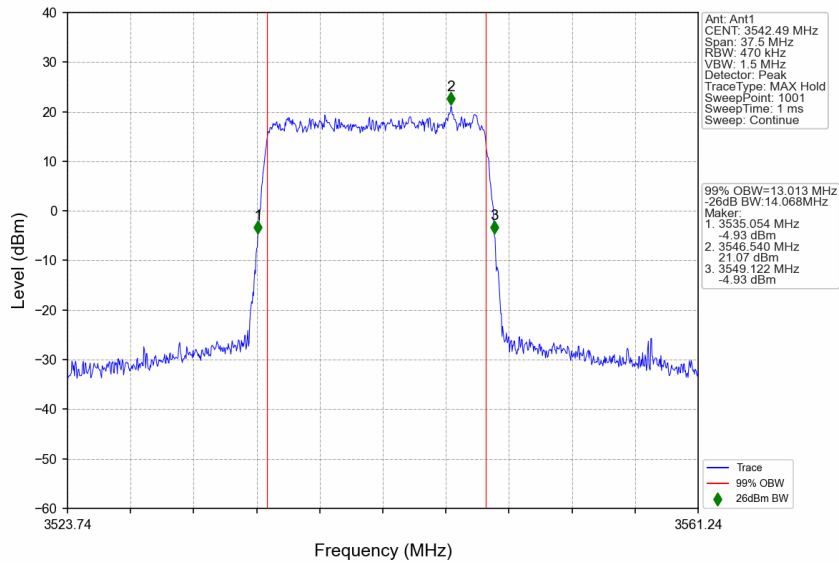


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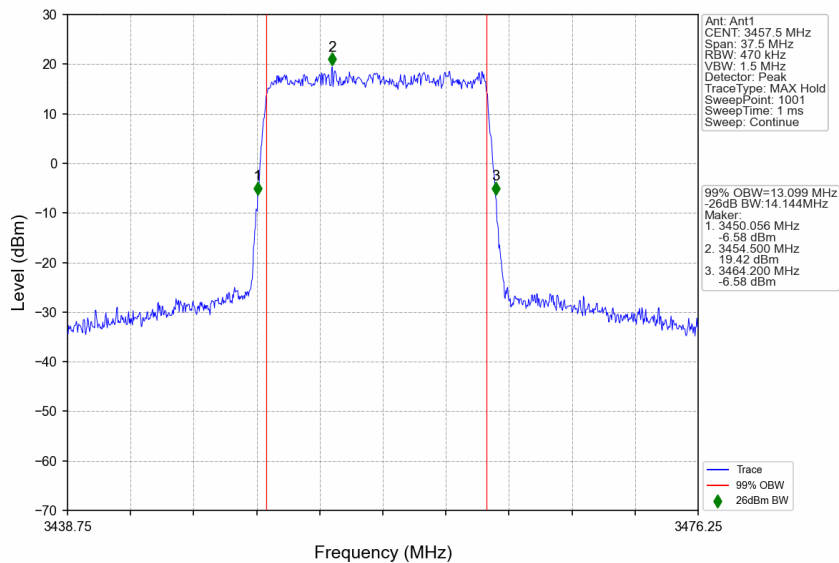
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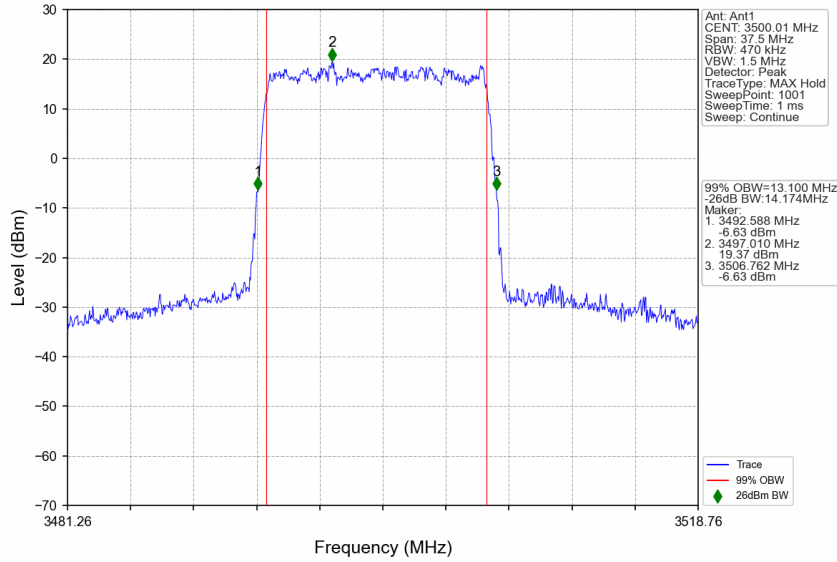


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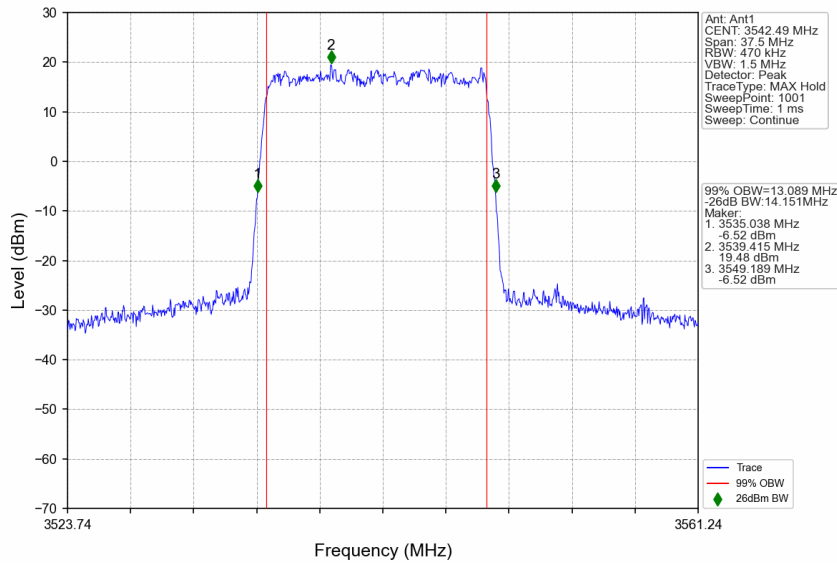
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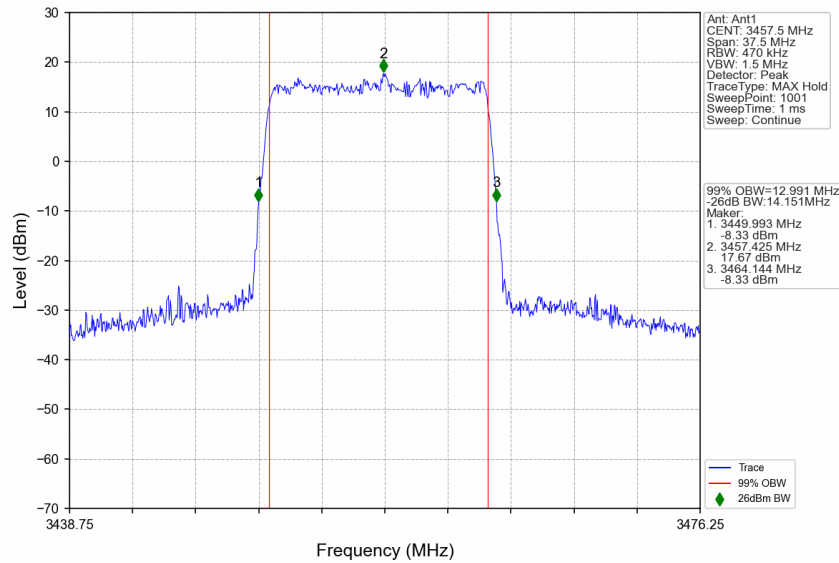


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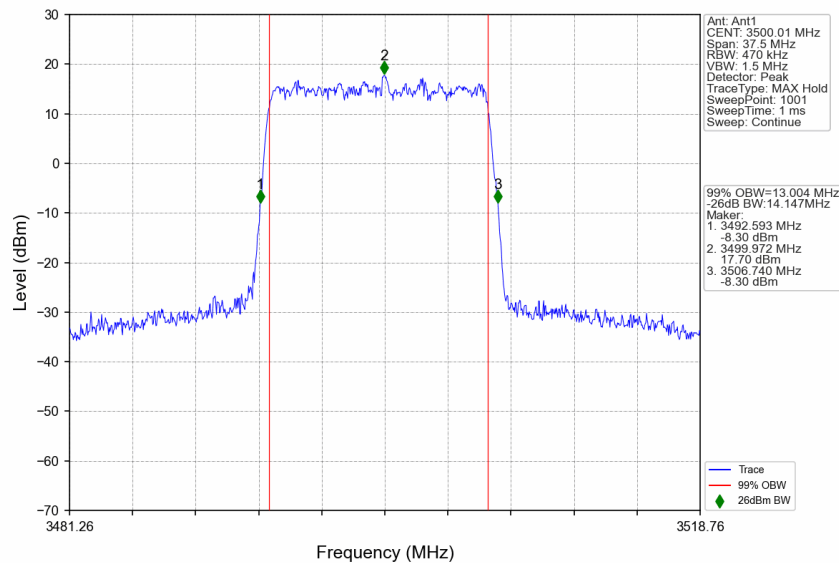
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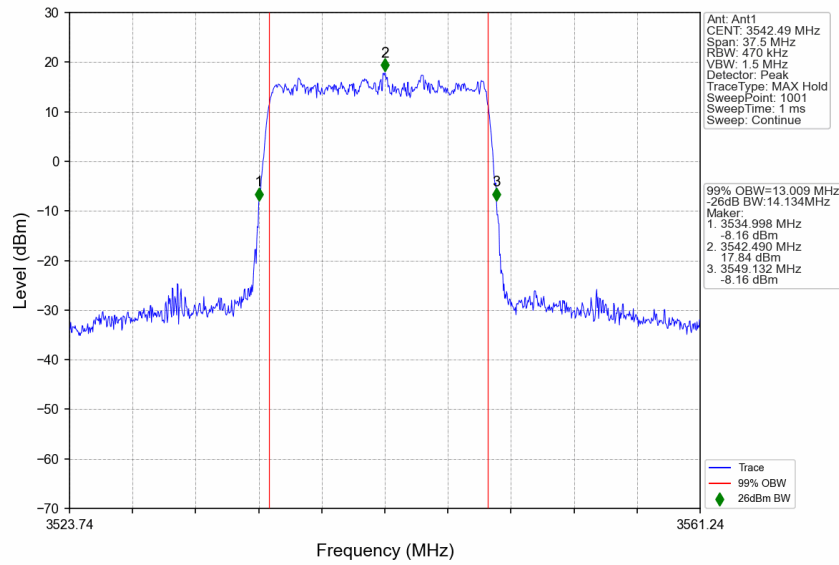


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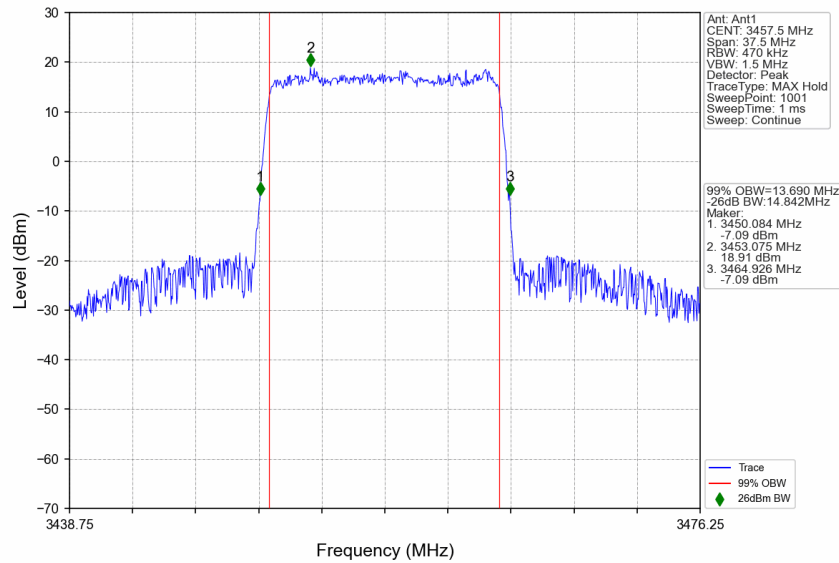
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