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1. 99% & 26dB Bandwidth

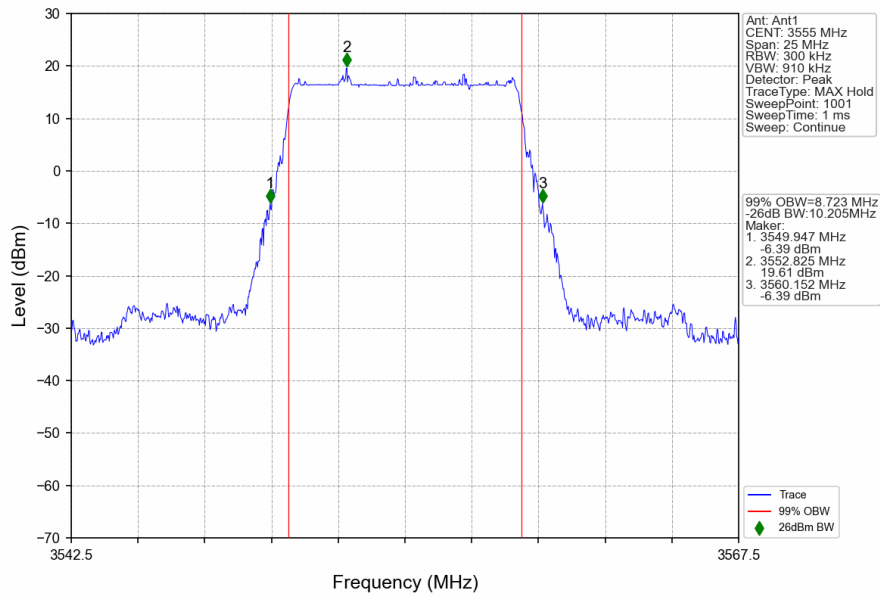
1.1 30k_SISO_10MHz_NTNV

1.1.1 Test Result

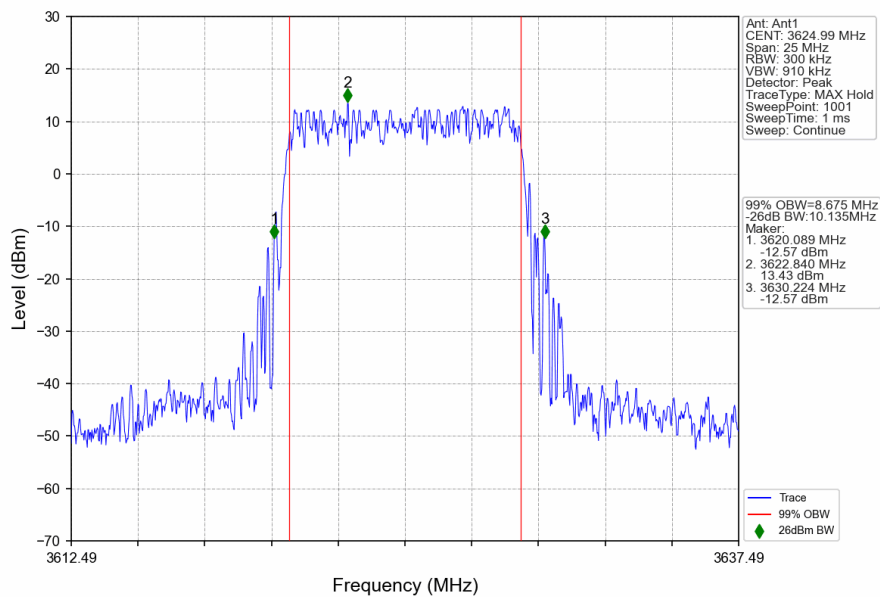
5G NR n48 SCS=30kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3555	Outer_Full	8.72	10.21	/	Pass
	3624.99	Outer_Full	8.68	10.13	/	Pass
	3694.98	Outer_Full	8.63	9.76	/	Pass
DFT-s-OFDM QPSK	3555	Outer_Full	8.74	10.31	/	Pass
	3624.99	Outer_Full	8.62	10.10	/	Pass
	3694.98	Outer_Full	8.67	9.34	/	Pass
DFT-s-OFDM 16 QAM	3555	Outer_Full	8.76	10.31	/	Pass
	3624.99	Outer_Full	8.62	9.89	/	Pass
	3694.98	Outer_Full	8.66	10.04	/	Pass
DFT-s-OFDM 64 QAM	3555	Outer_Full	8.71	10.38	/	Pass
	3624.99	Outer_Full	8.71	9.38	/	Pass
	3694.98	Outer_Full	8.64	10.11	/	Pass
DFT-s-OFDM 256 QAM	3555	Outer_Full	8.70	10.06	/	Pass
	3624.99	Outer_Full	8.64	9.51	/	Pass
	3694.98	Outer_Full	8.71	9.85	/	Pass
CP-OFDM QPSK	3555	Outer_Full	8.73	10.29	/	Pass
	3624.99	Outer_Full	8.69	9.54	/	Pass
	3694.98	Outer_Full	8.68	9.95	/	Pass
CP-OFDM 16 QAM	3555	Outer_Full	8.75	10.25	/	Pass
	3624.99	Outer_Full	8.73	10.49	/	Pass
	3694.98	Outer_Full	8.64	10.29	/	Pass
CP-OFDM 64 QAM	3555	Outer_Full	8.77	10.24	/	Pass
	3624.99	Outer_Full	8.69	9.99	/	Pass
	3694.98	Outer_Full	8.72	9.99	/	Pass
CP-OFDM 256 QAM	3555	Outer_Full	8.74	10.19	/	Pass
	3624.99	Outer_Full	8.66	9.48	/	Pass
	3694.98	Outer_Full	8.71	9.28	/	Pass

1.1.2 Test Graph

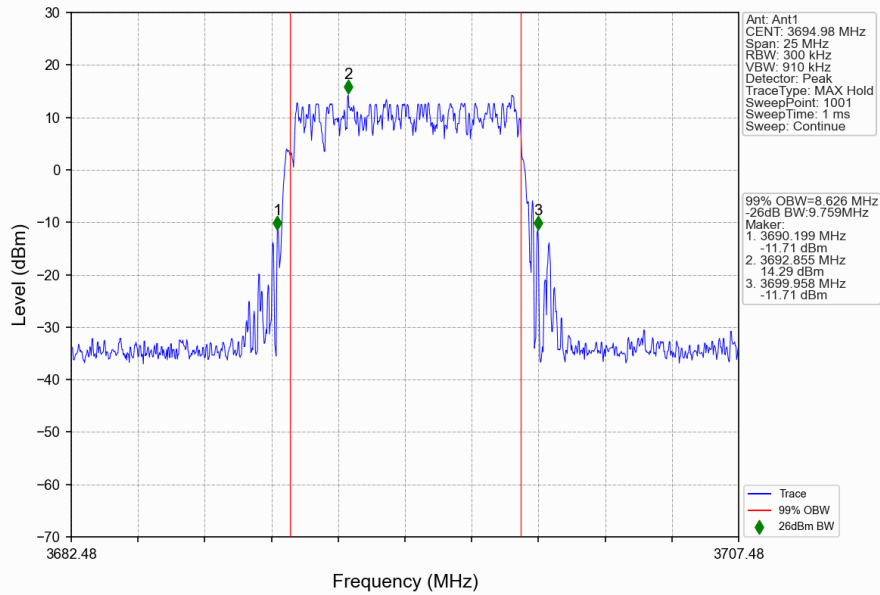
n48_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3555MHz_Outer_Full



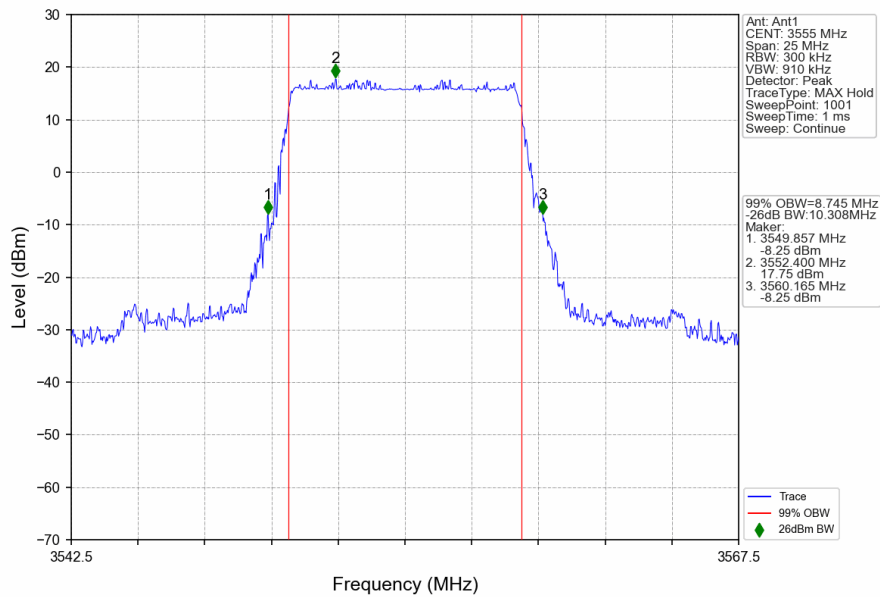
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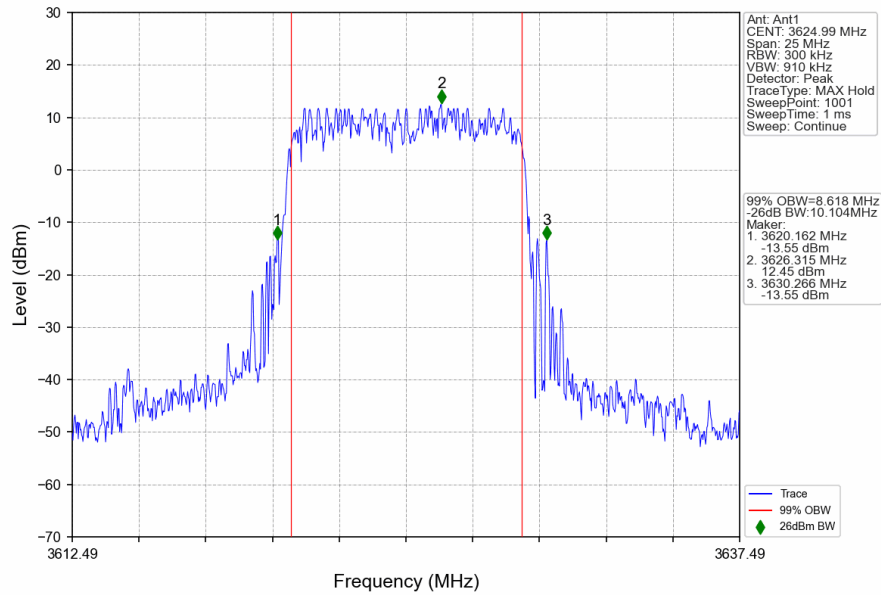
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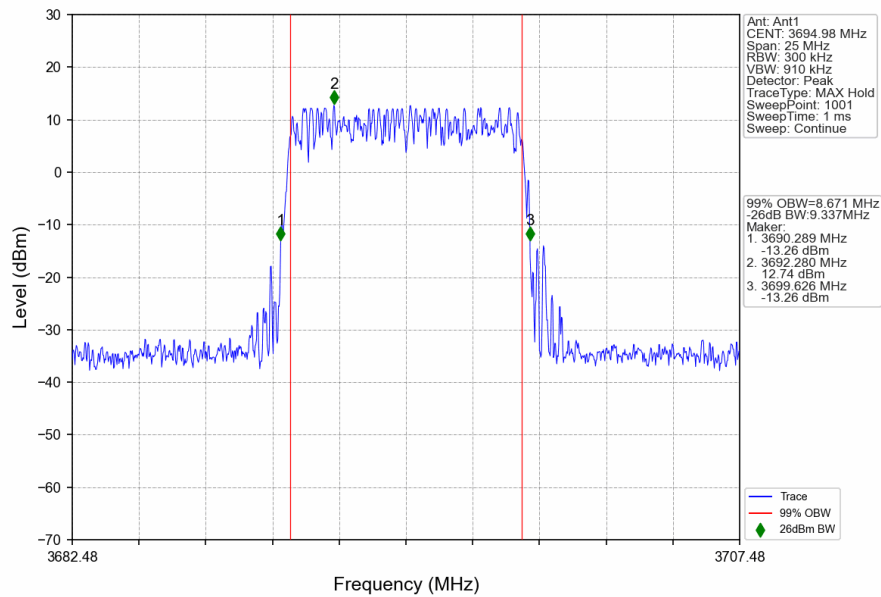
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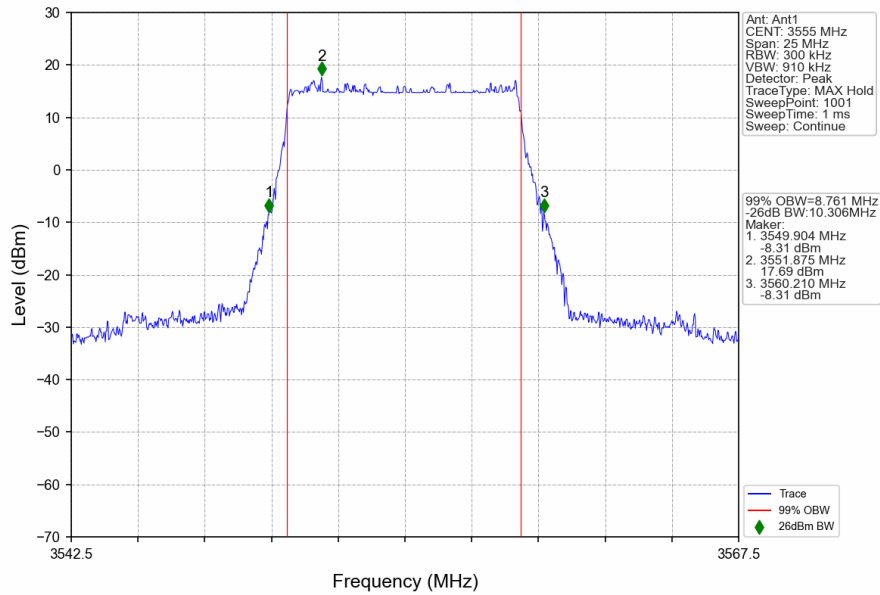
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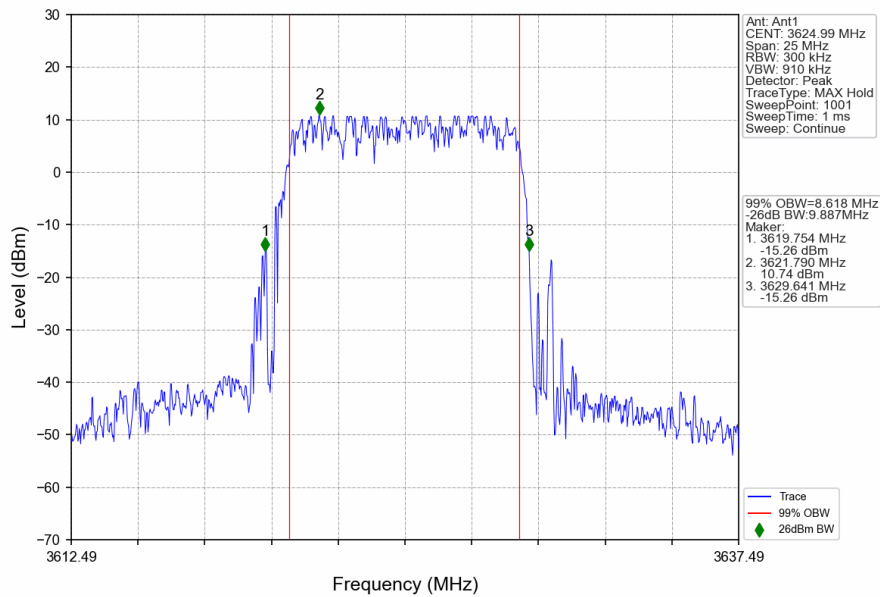
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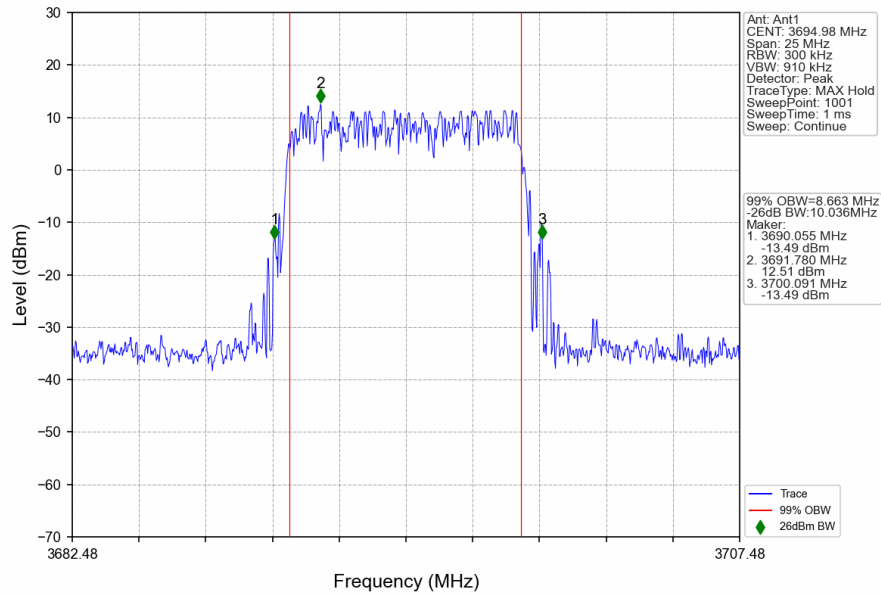
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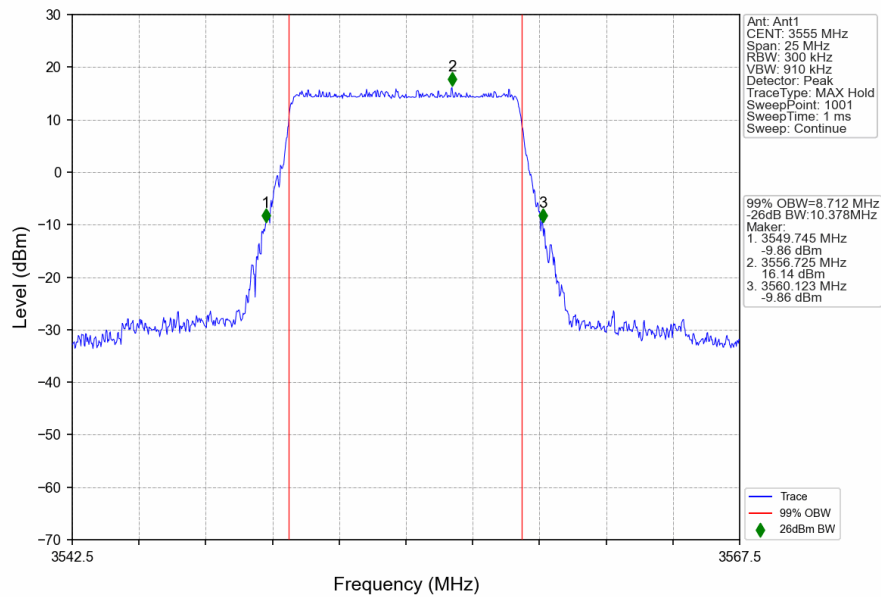
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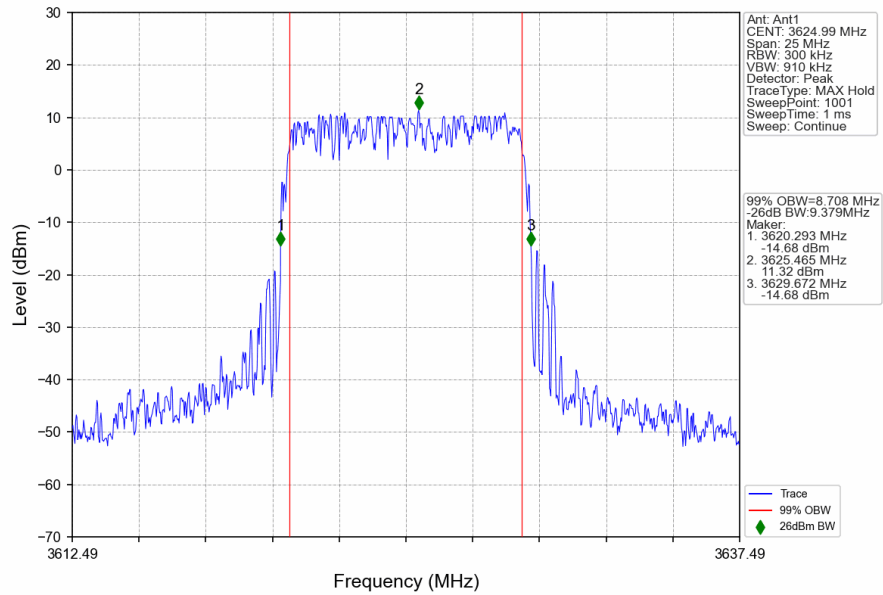
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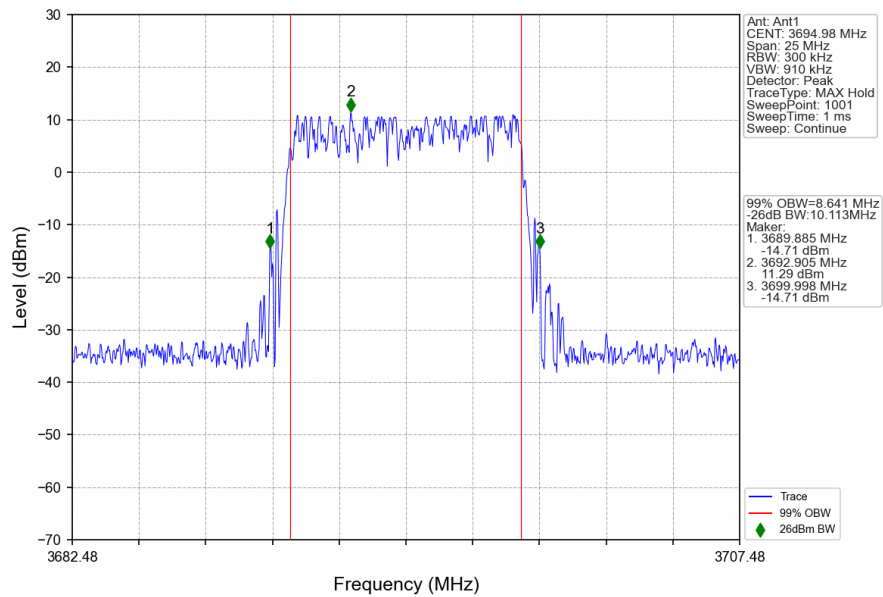
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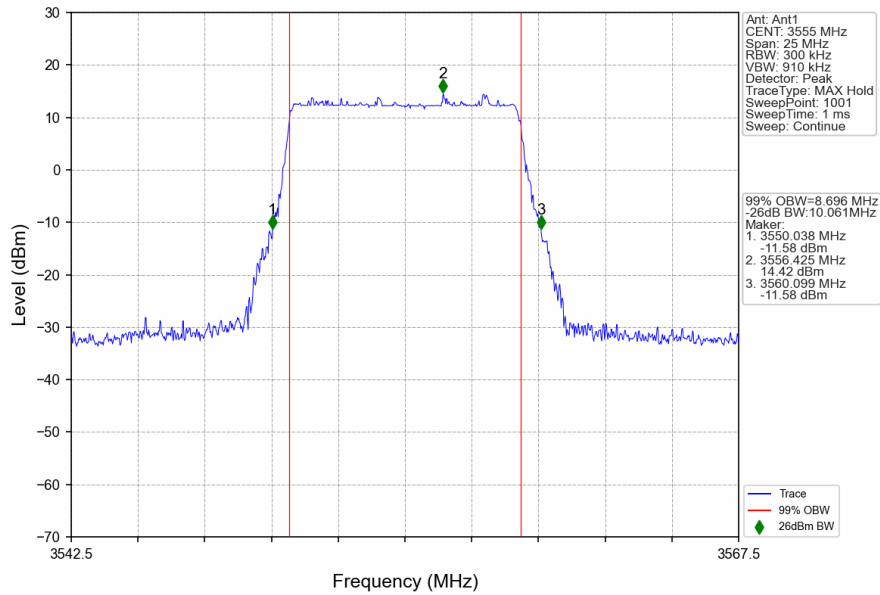
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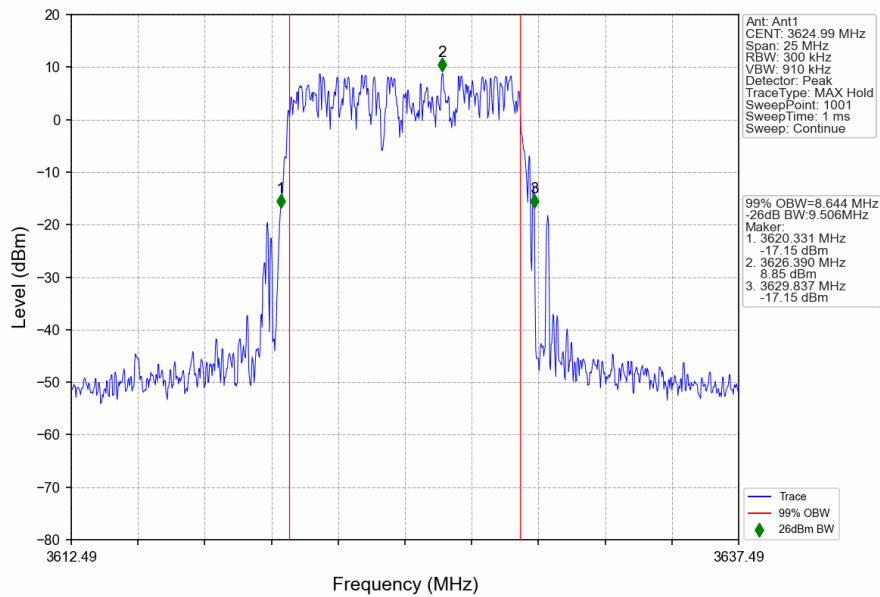
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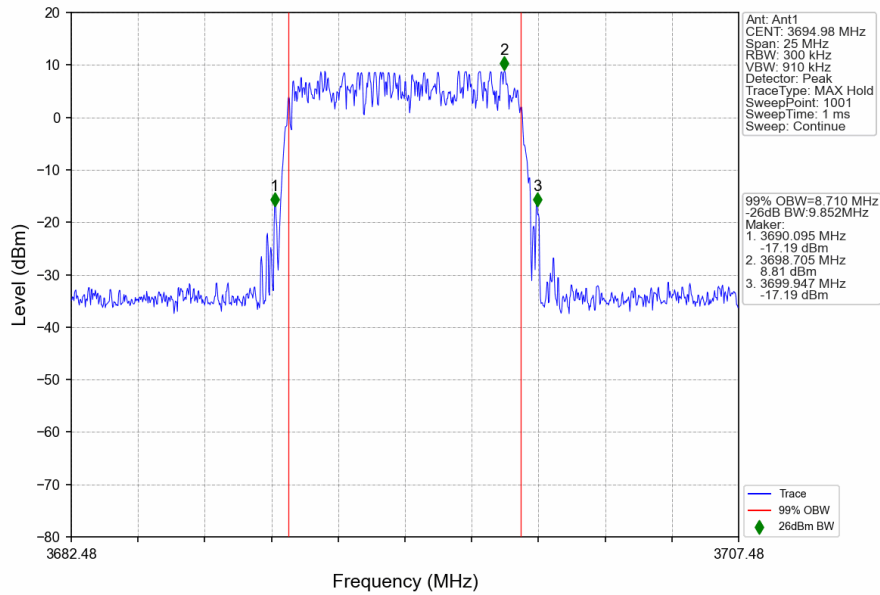
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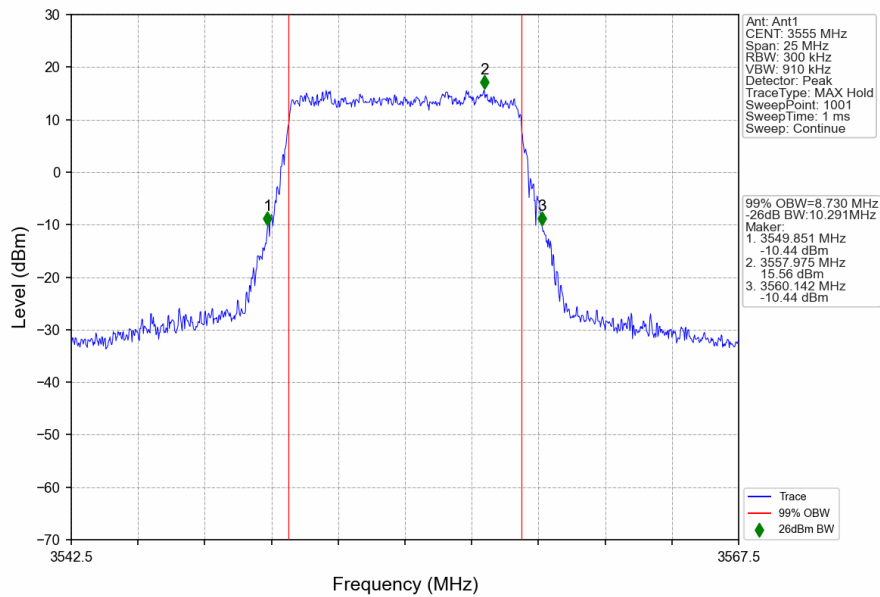
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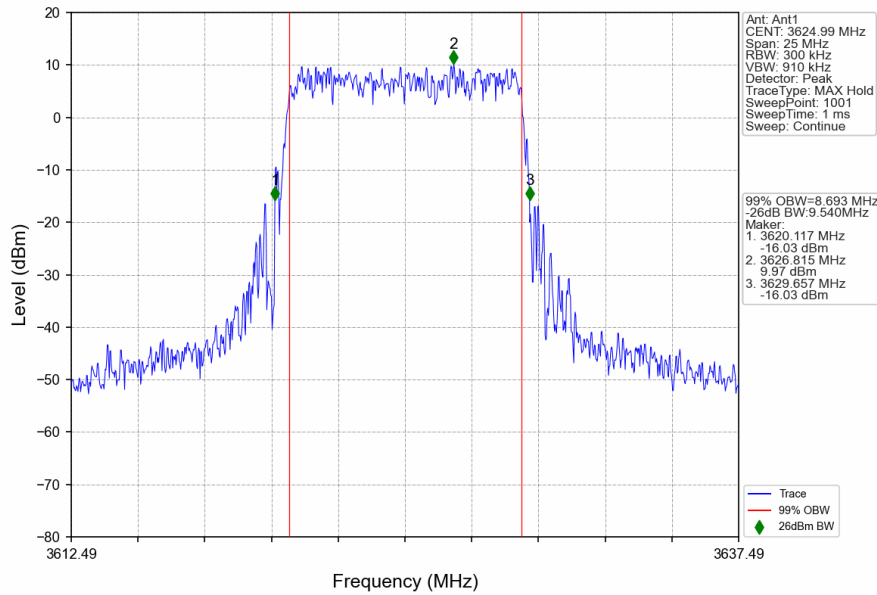
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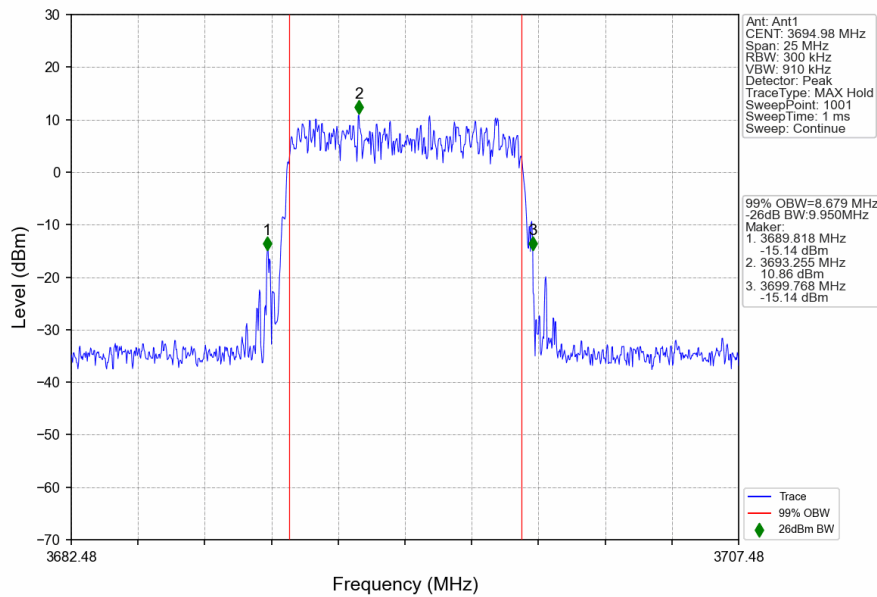
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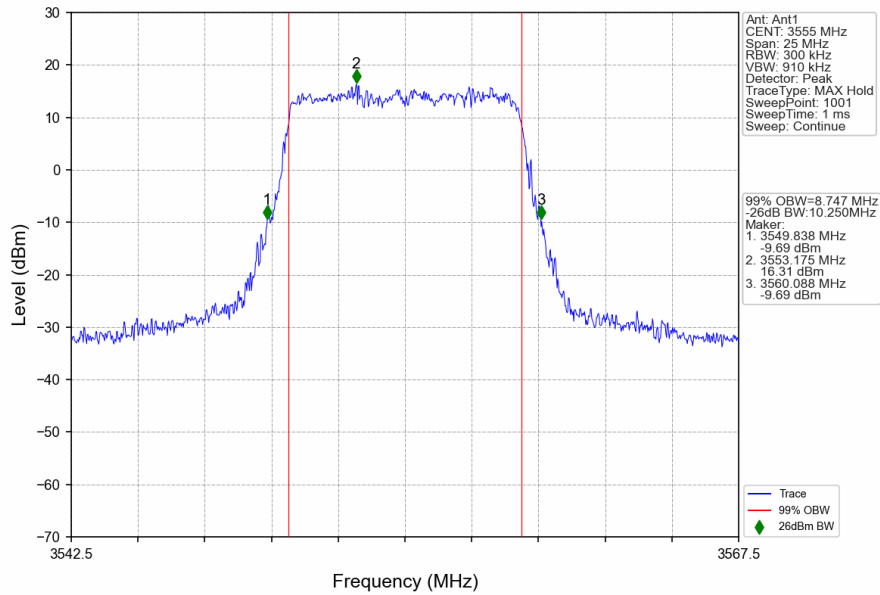
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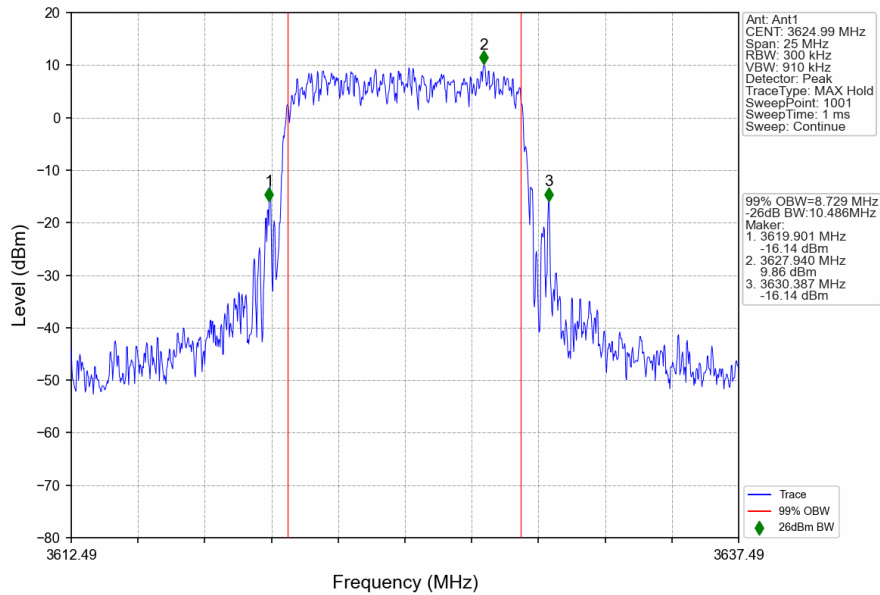
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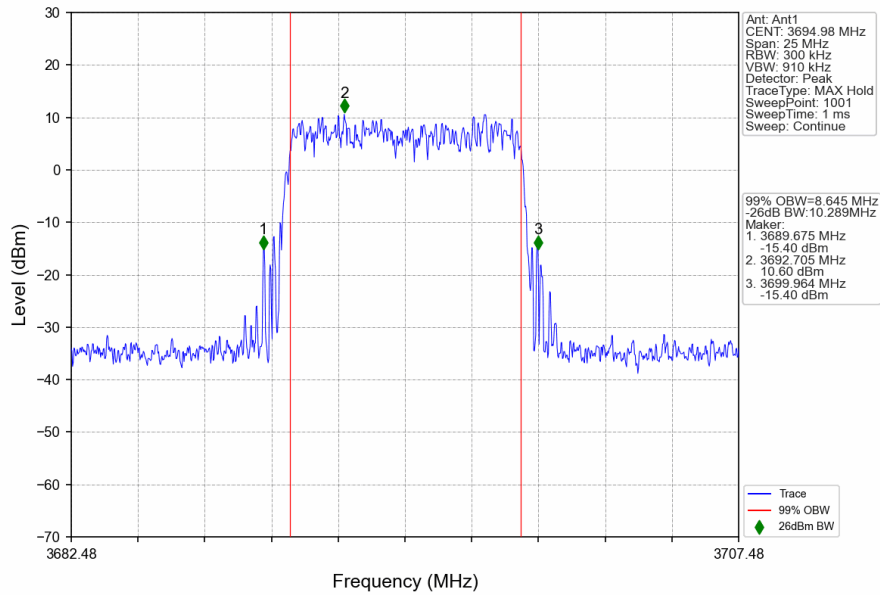
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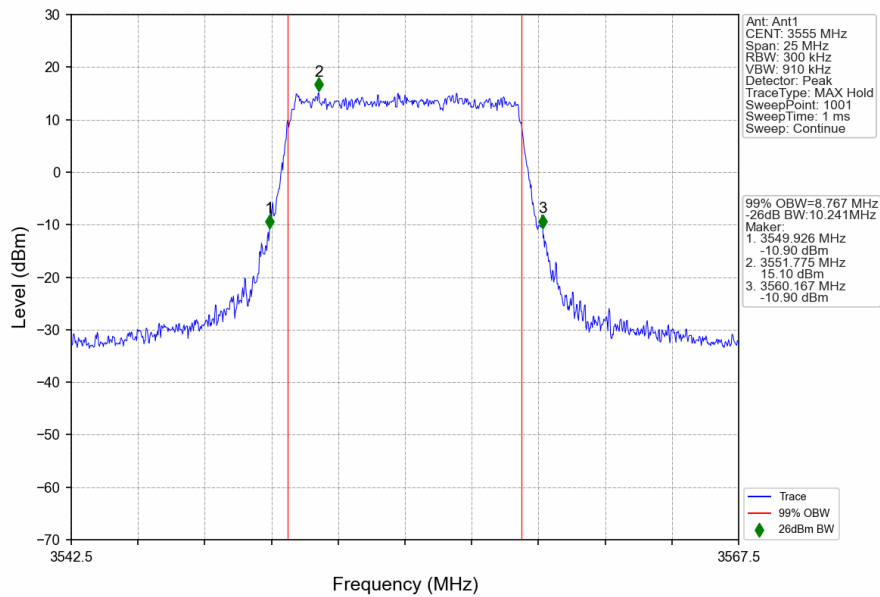
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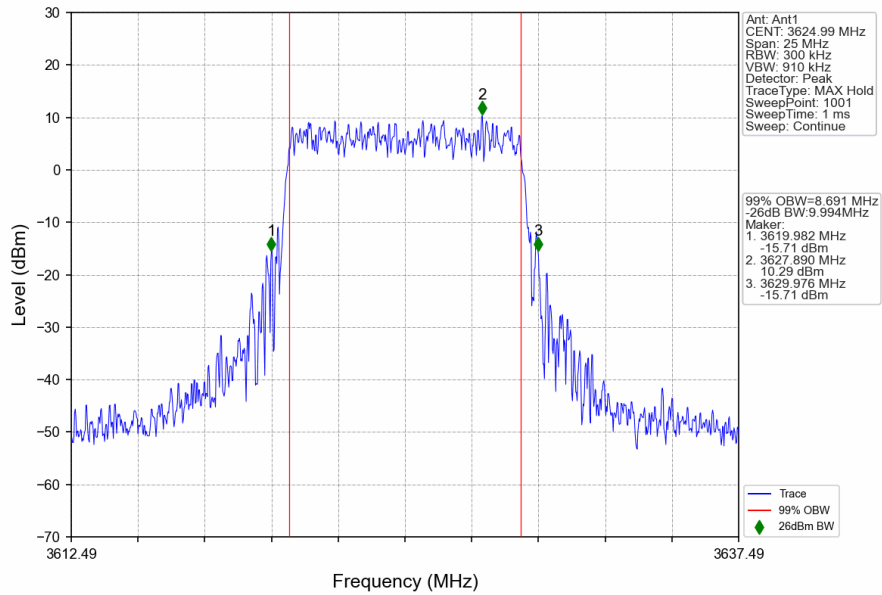
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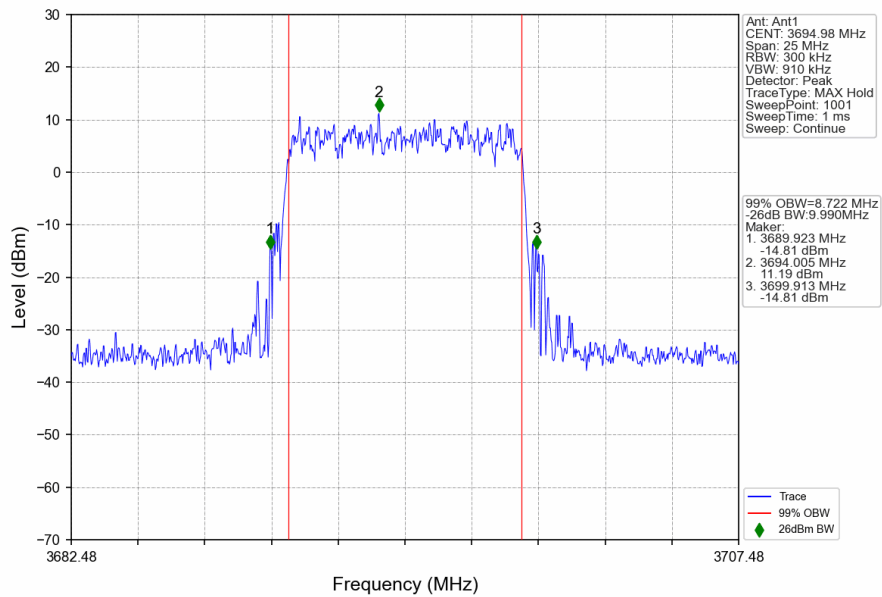
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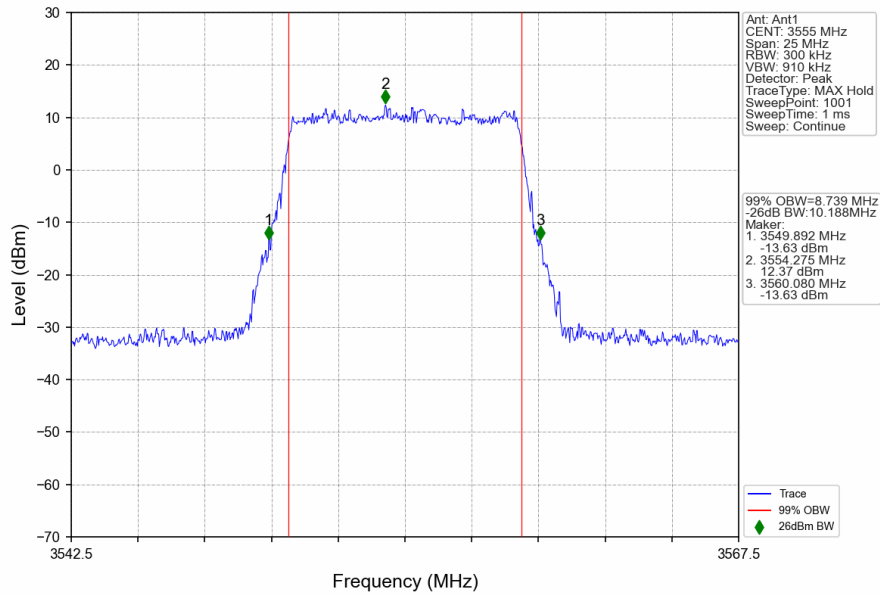
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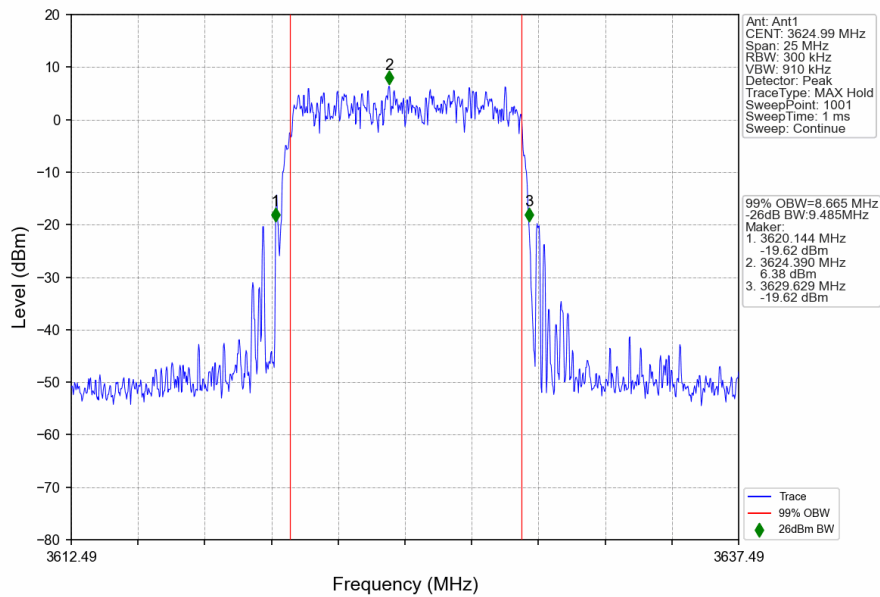
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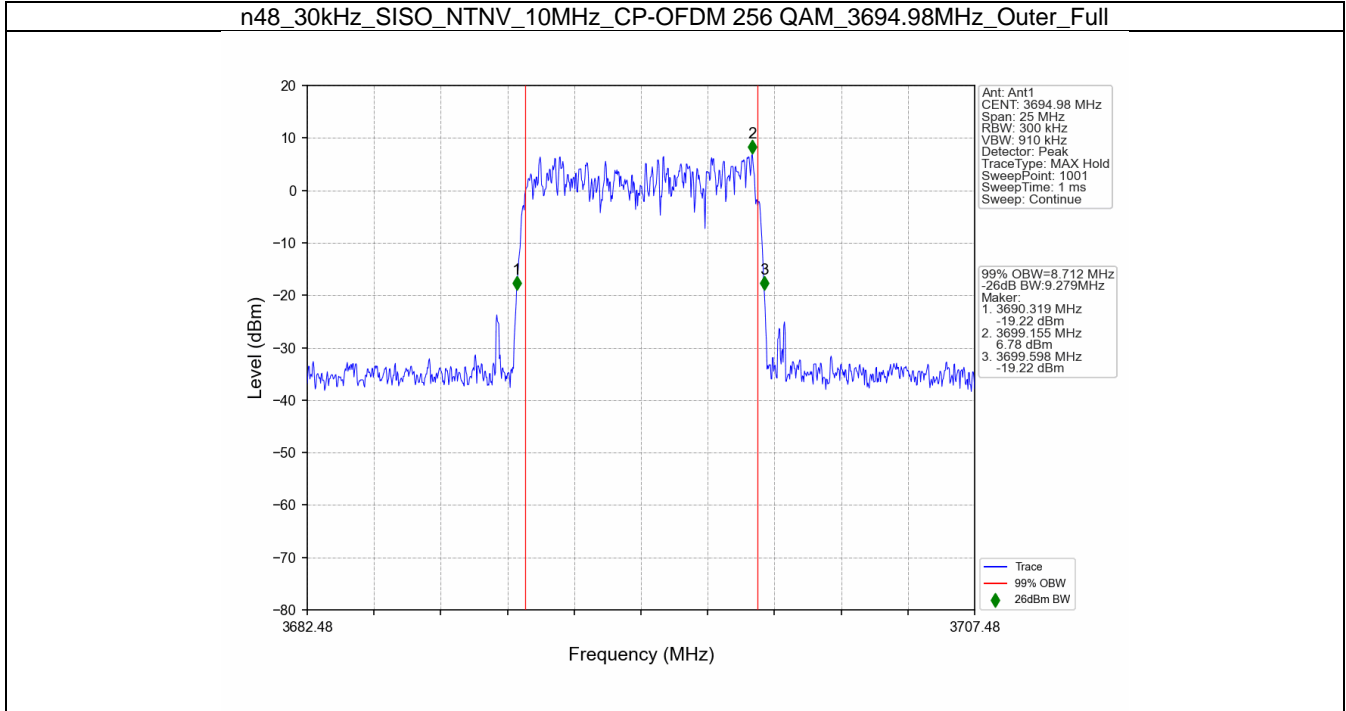


n48_30kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_3555MHz_Outer_Full



n48_30kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full





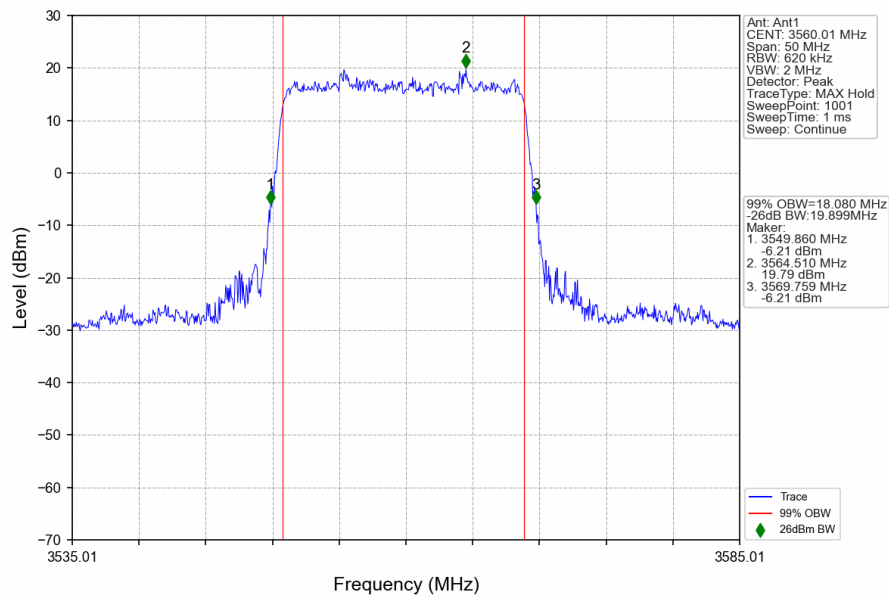
1.2 30k_SISO_20MHz_NTNV

1.2.1 Test Result

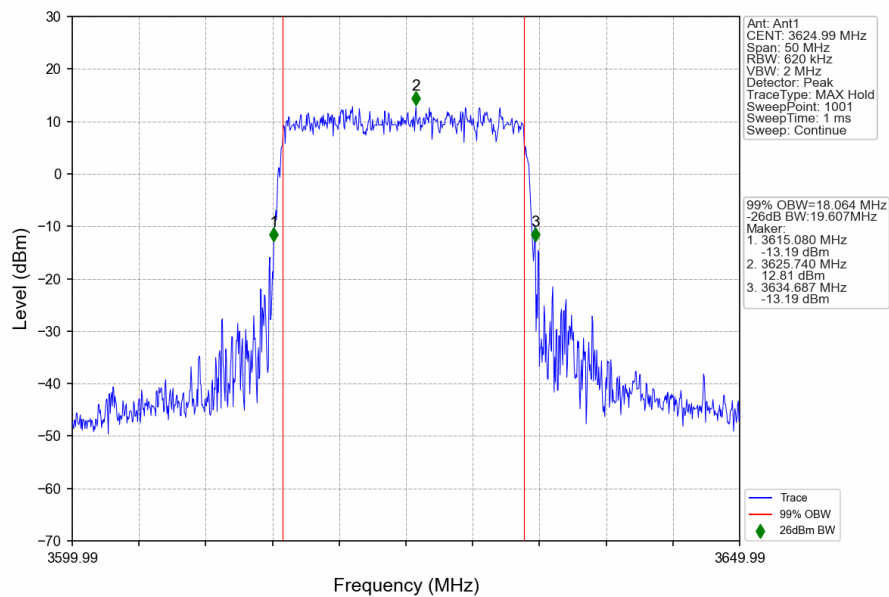
5G NR n48 SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3560.01	Outer_Full	18.08	19.90	/	Pass
	3624.99	Outer_Full	18.06	19.61	/	Pass
	3690	Outer_Full	18.15	19.39	/	Pass
DFT-s-OFDM QPSK	3560.01	Outer_Full	18.11	19.92	/	Pass
	3624.99	Outer_Full	18.07	19.30	/	Pass
	3690	Outer_Full	18.09	19.22	/	Pass
DFT-s-OFDM 16 QAM	3560.01	Outer_Full	18.07	19.97	/	Pass
	3624.99	Outer_Full	18.08	19.63	/	Pass
	3690	Outer_Full	18.04	19.40	/	Pass
DFT-s-OFDM 64 QAM	3560.01	Outer_Full	18.10	19.91	/	Pass
	3624.99	Outer_Full	17.91	18.92	/	Pass
	3690	Outer_Full	18.05	19.83	/	Pass
DFT-s-OFDM 256 QAM	3560.01	Outer_Full	18.09	20.00	/	Pass
	3624.99	Outer_Full	17.96	19.80	/	Pass
	3690	Outer_Full	18.08	19.25	/	Pass
CP-OFDM QPSK	3560.01	Outer_Full	18.40	21.76	/	Pass
	3624.99	Outer_Full	18.39	19.68	/	Pass
	3690	Outer_Full	18.30	19.58	/	Pass
CP-OFDM 16 QAM	3560.01	Outer_Full	18.42	20.85	/	Pass
	3624.99	Outer_Full	18.35	20.16	/	Pass
	3690	Outer_Full	18.38	19.90	/	Pass
CP-OFDM 64 QAM	3560.01	Outer_Full	18.43	21.58	/	Pass
	3624.99	Outer_Full	18.41	20.09	/	Pass
	3690	Outer_Full	18.46	20.39	/	Pass
CP-OFDM 256 QAM	3560.01	Outer_Full	18.38	20.45	/	Pass
	3624.99	Outer_Full	18.34	20.12	/	Pass
	3690	Outer_Full	18.39	19.62	/	Pass

1.2.2 Test Graph

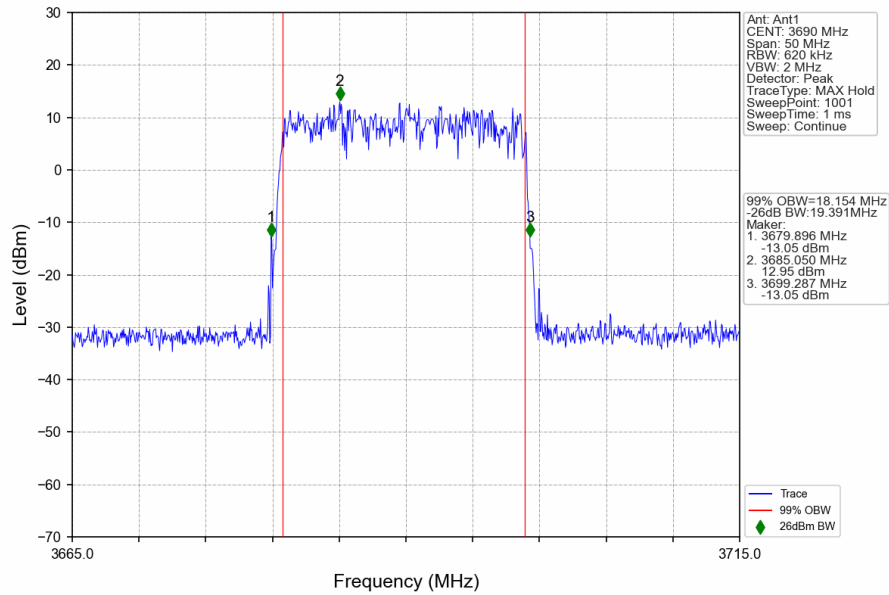
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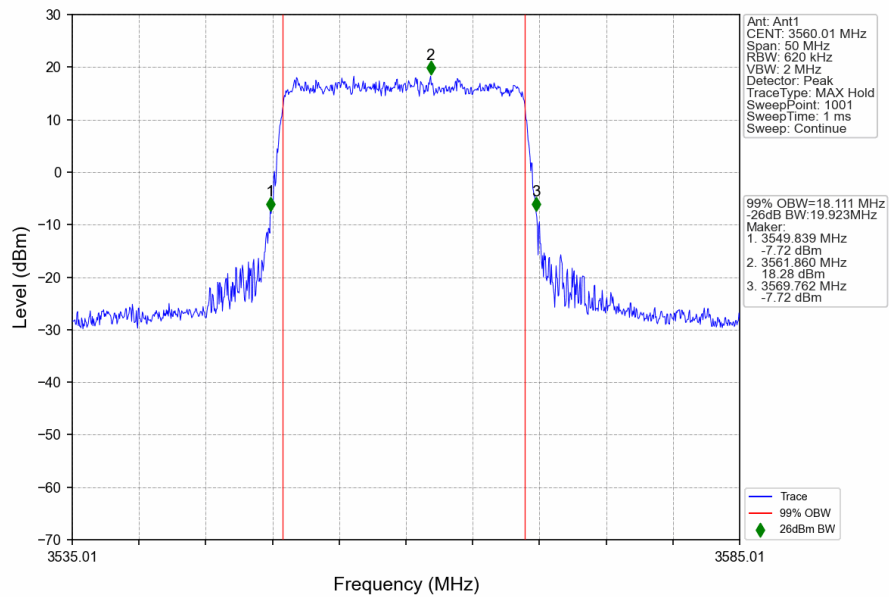
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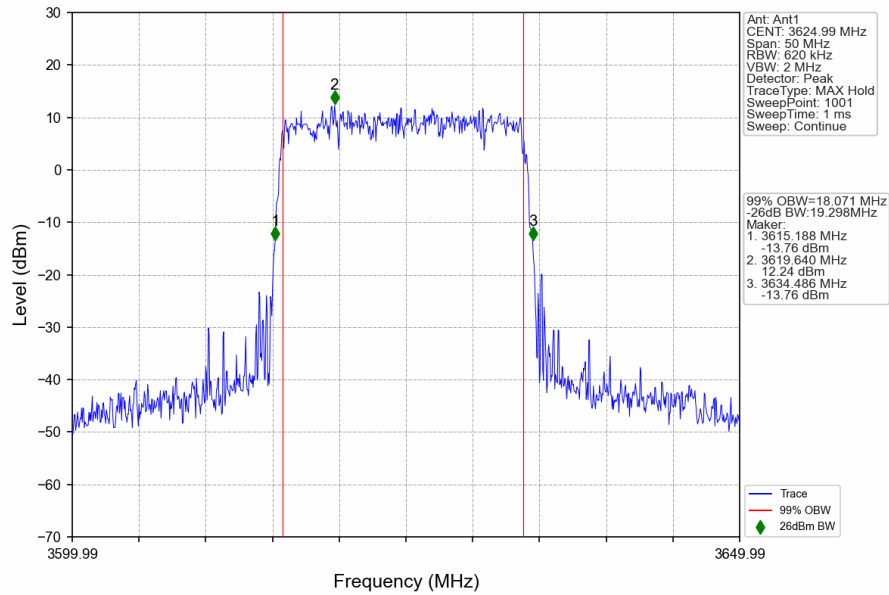
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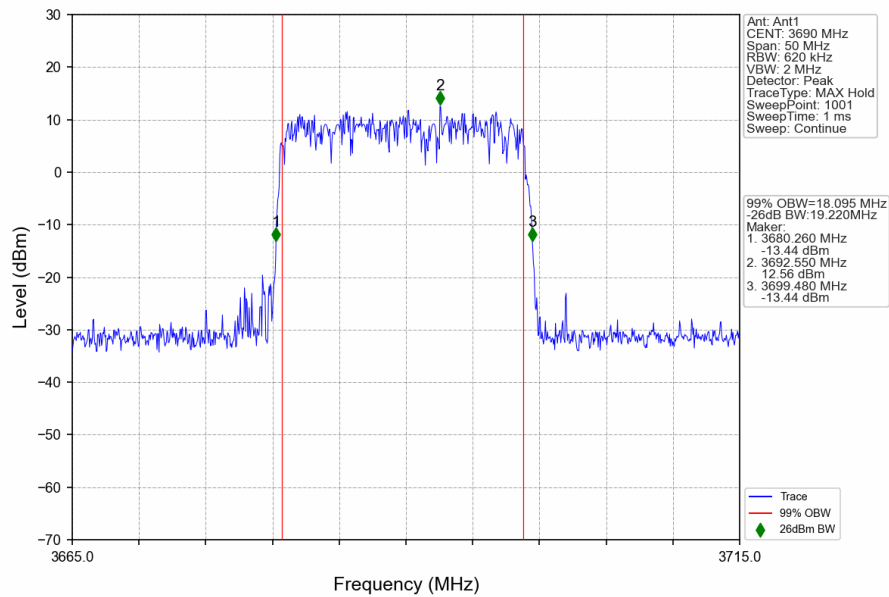
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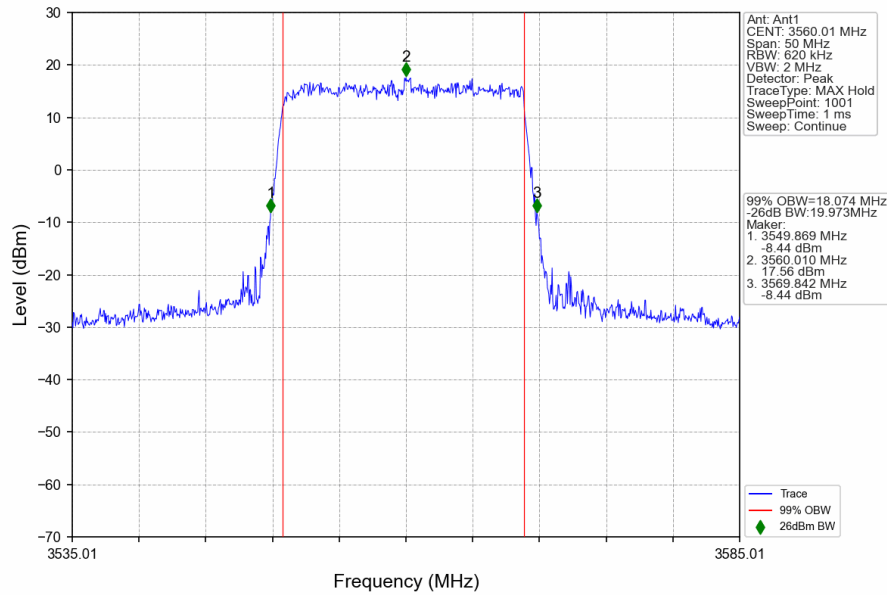
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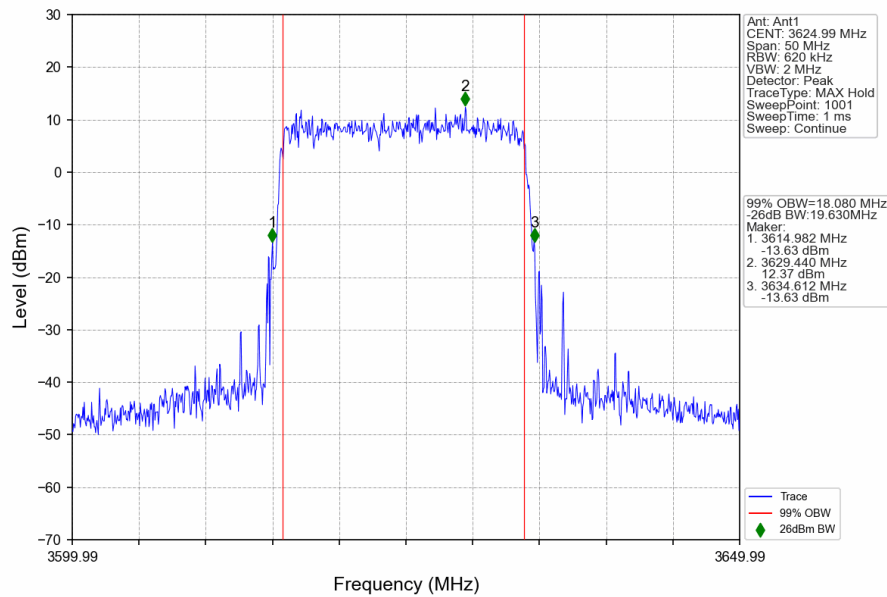
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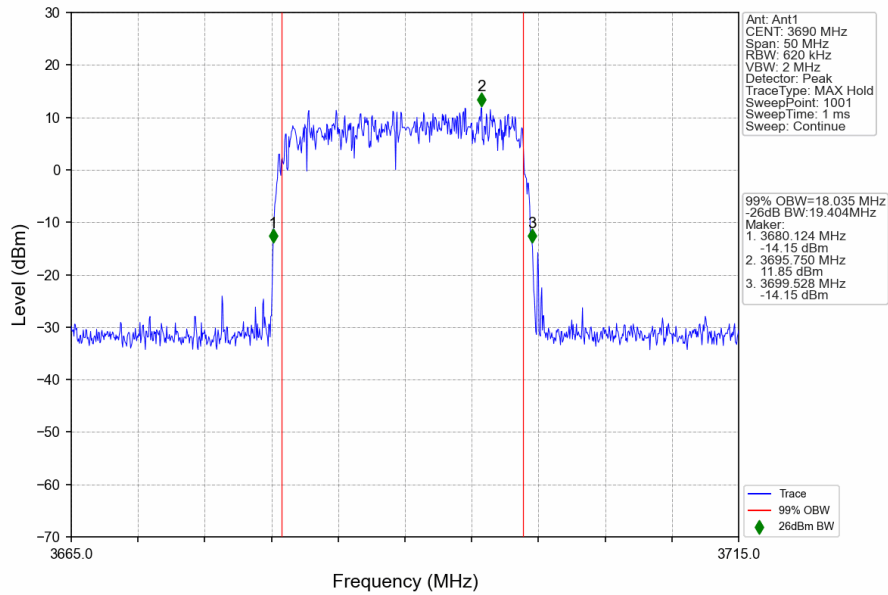
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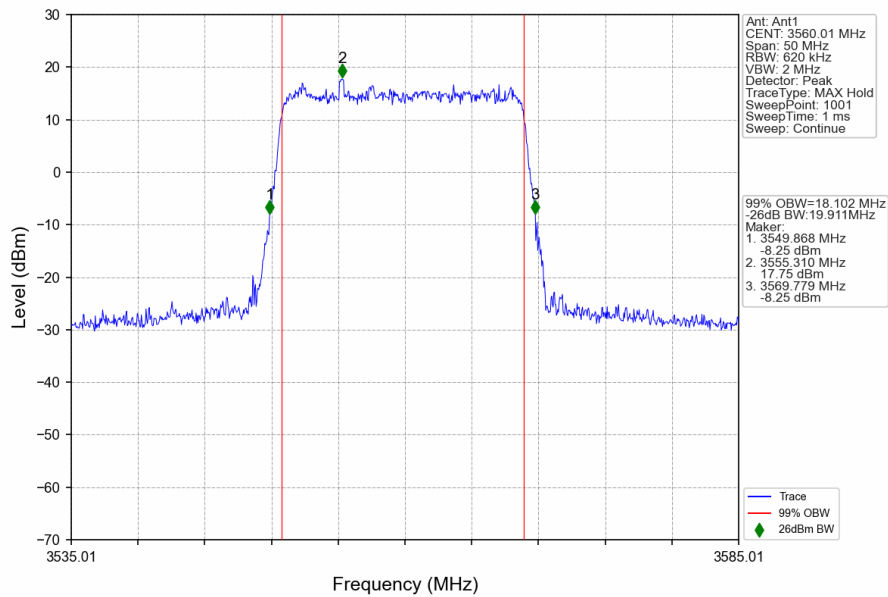
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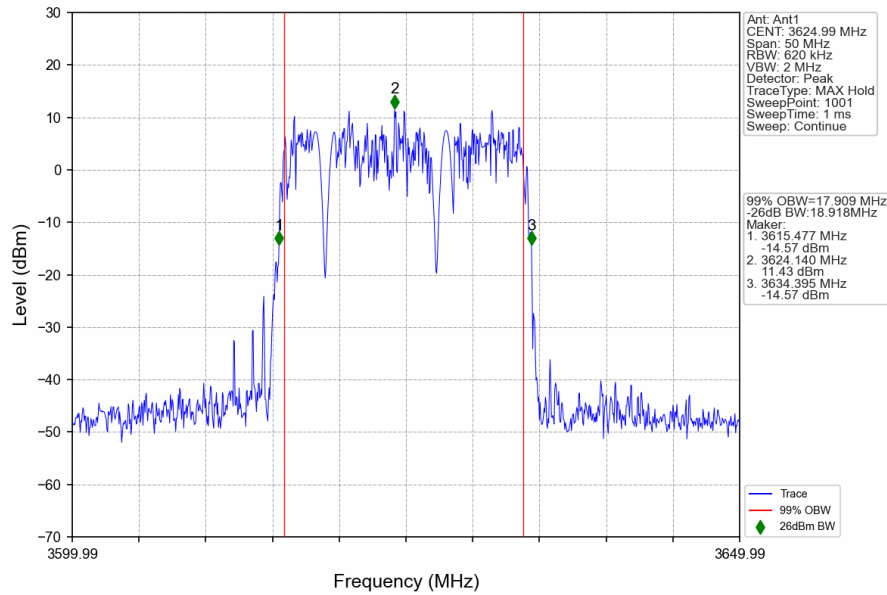
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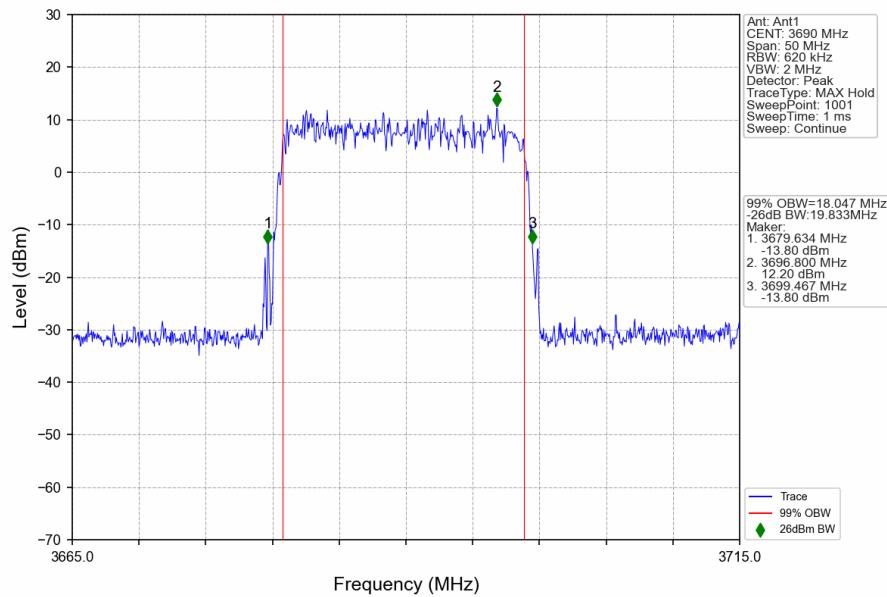
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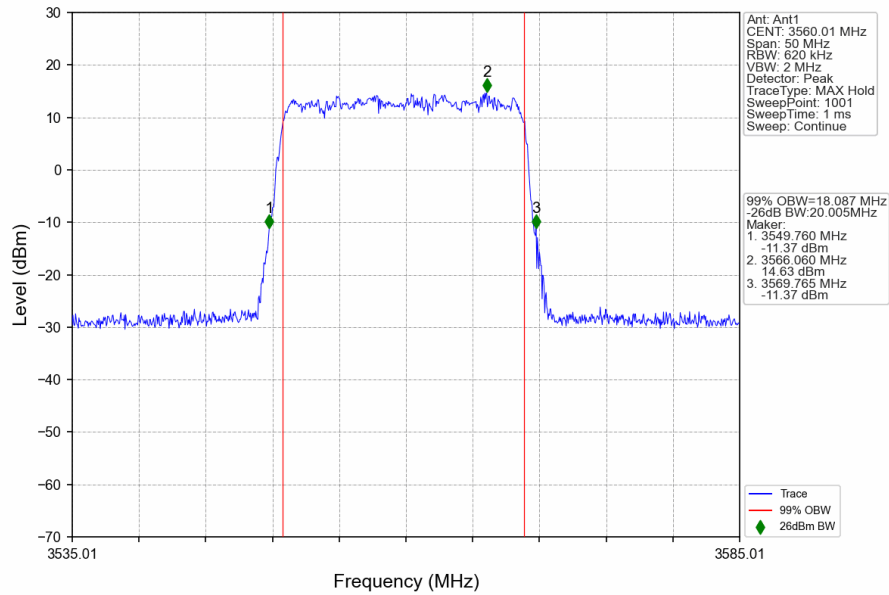
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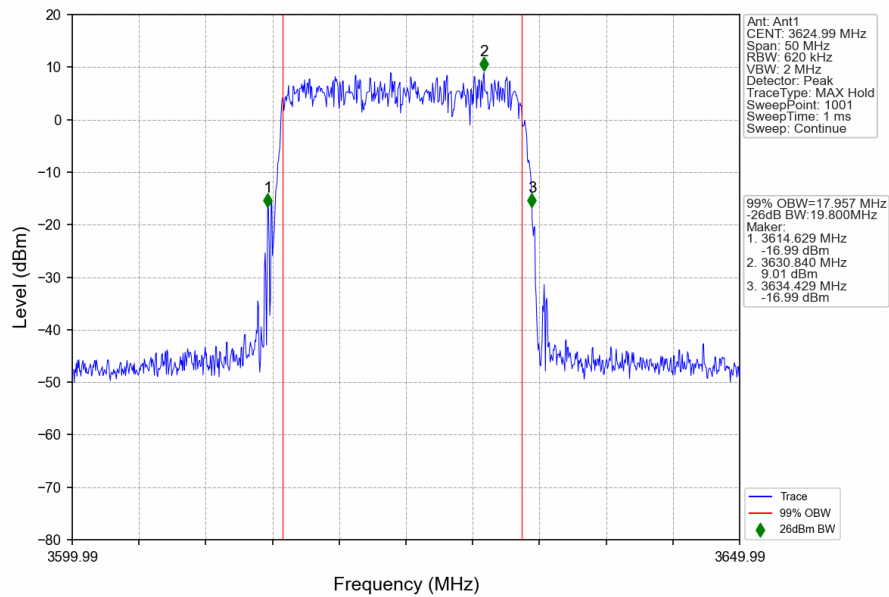
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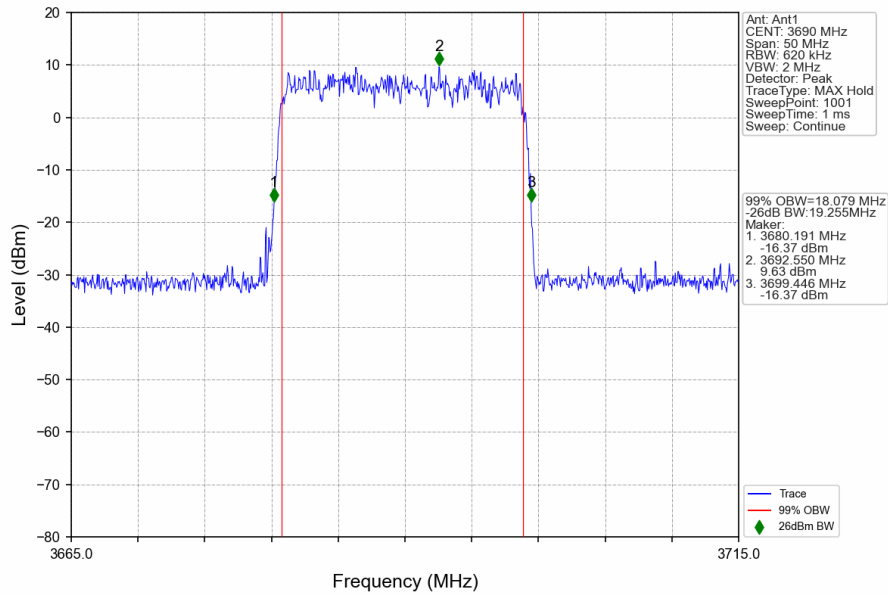
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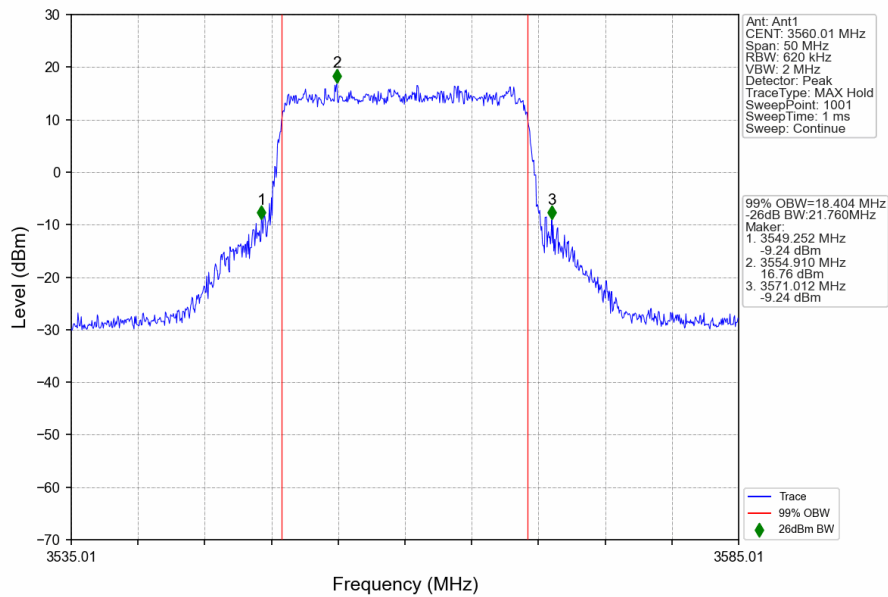
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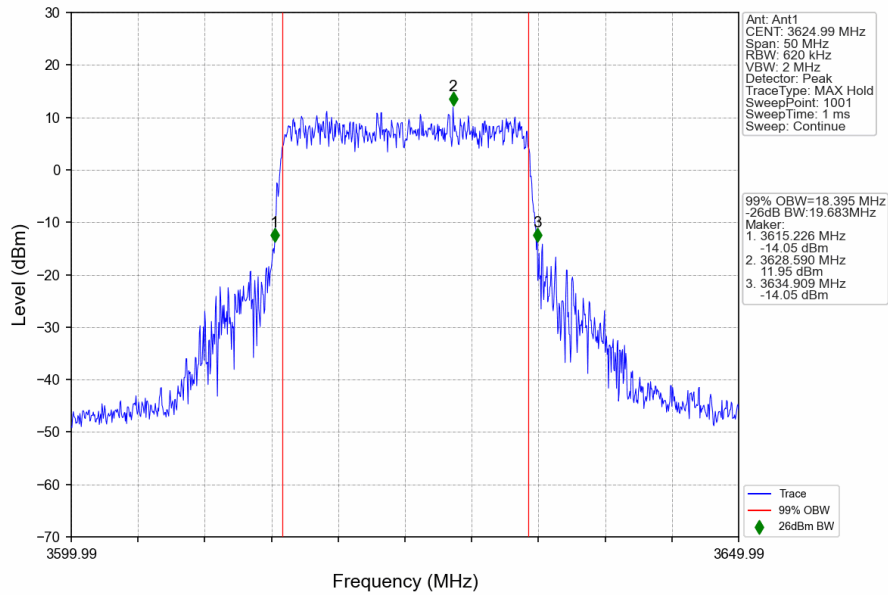
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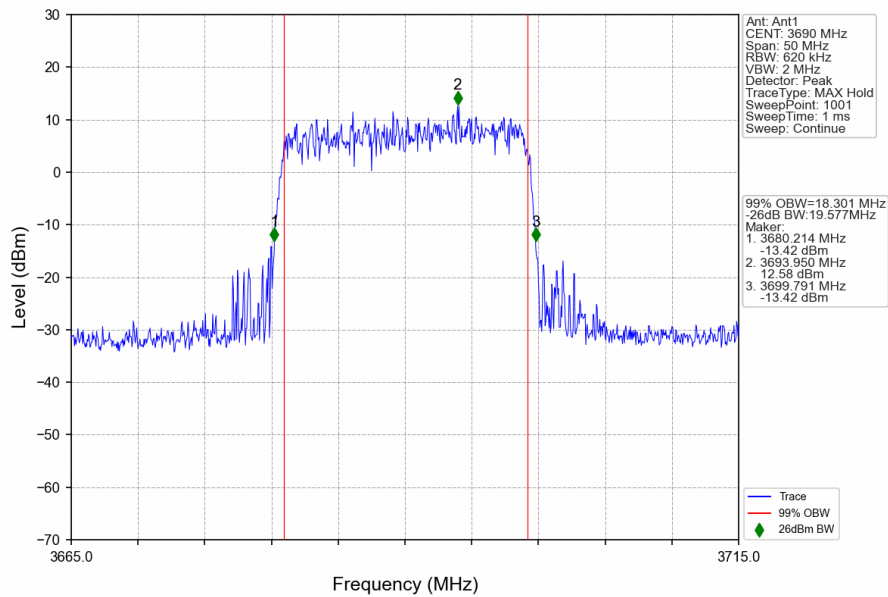
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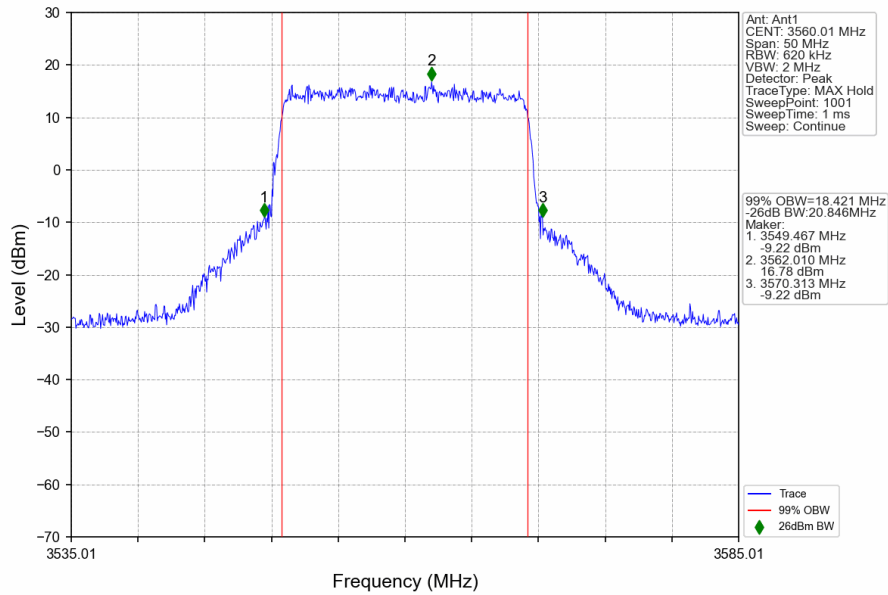
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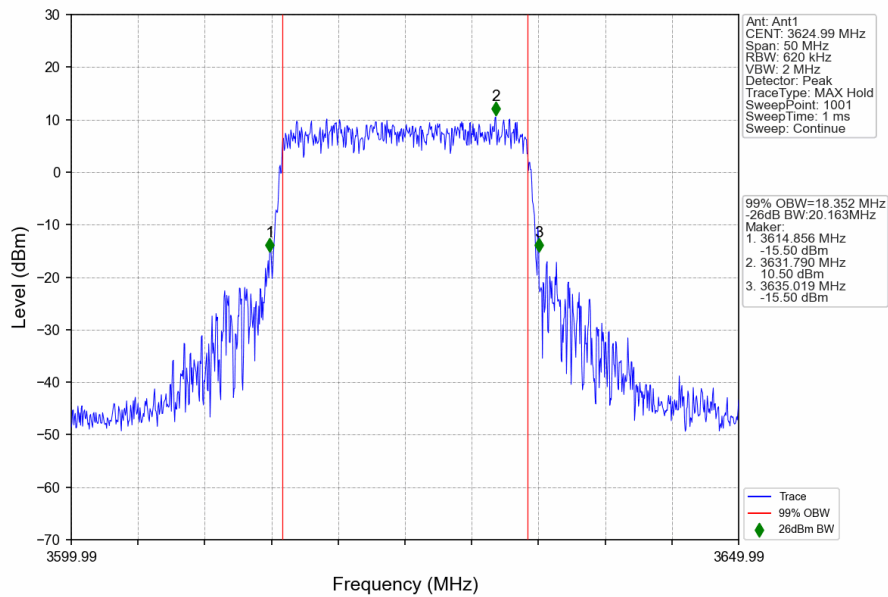
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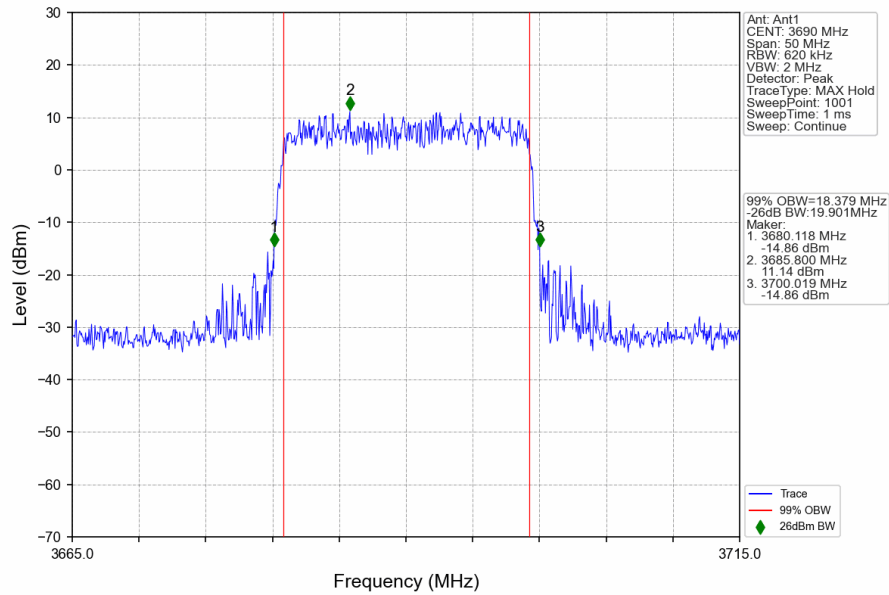
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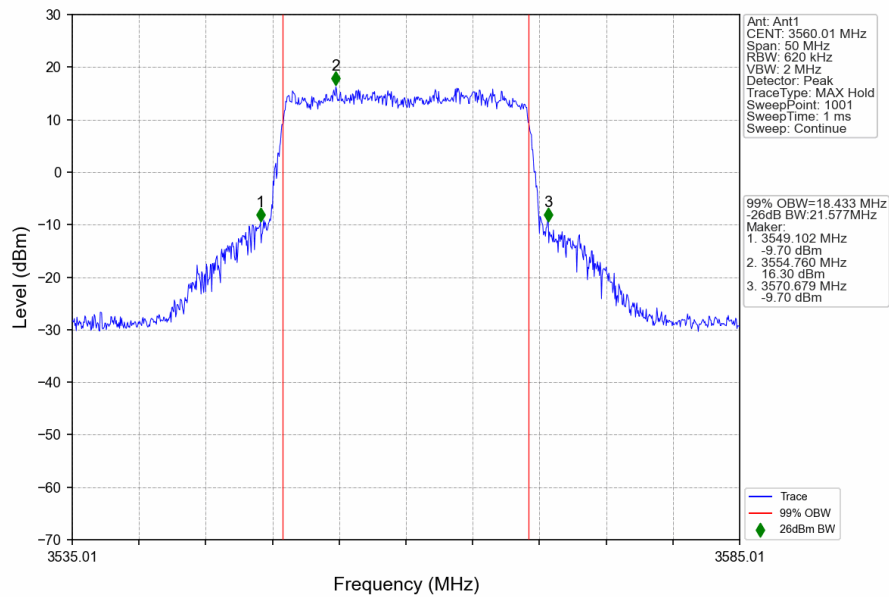
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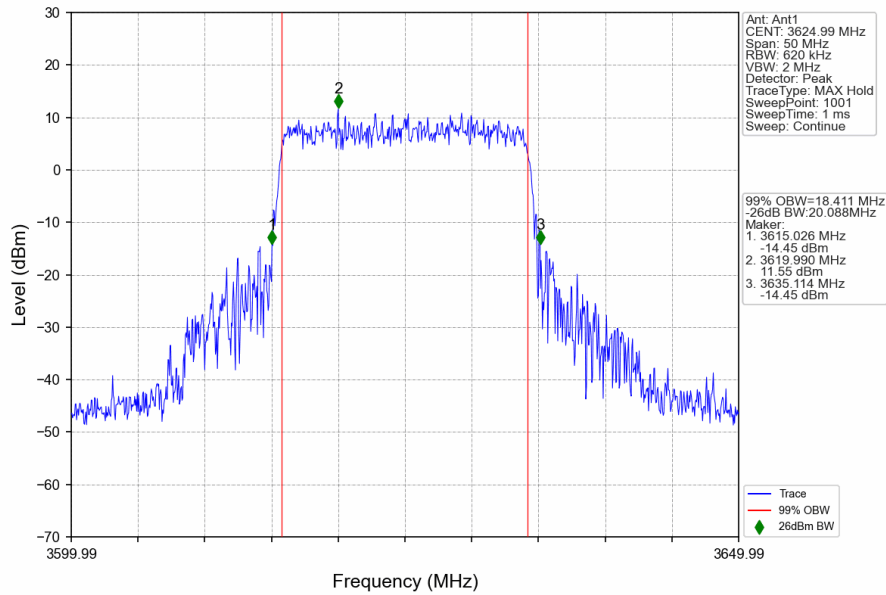
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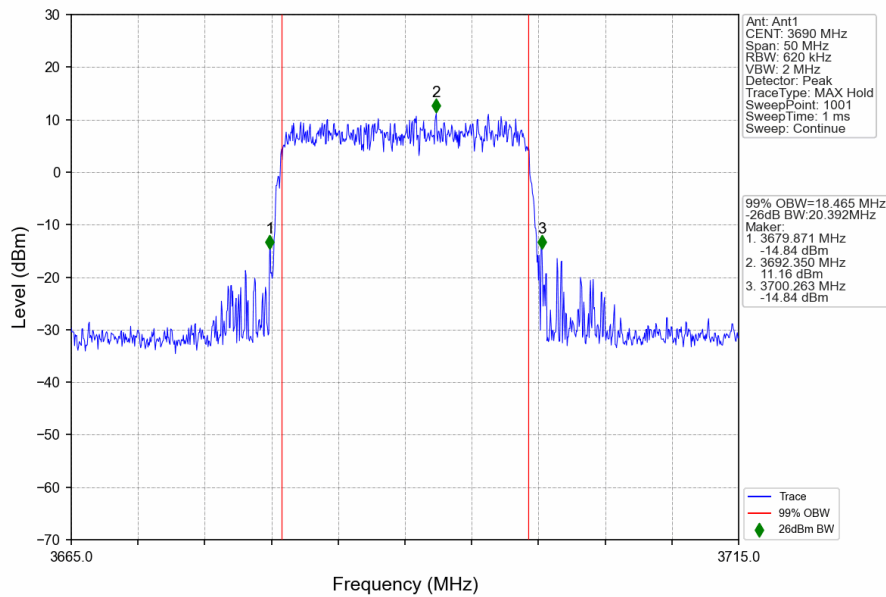
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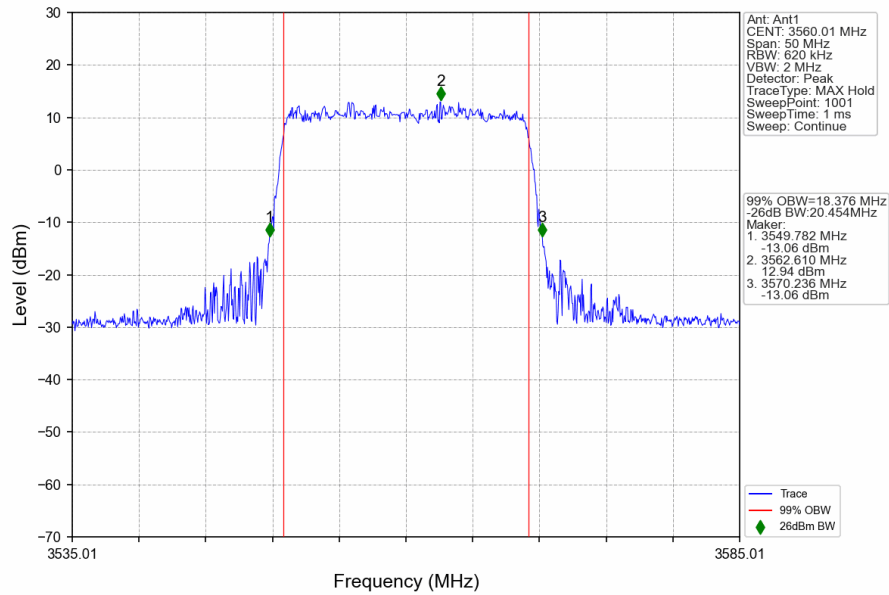
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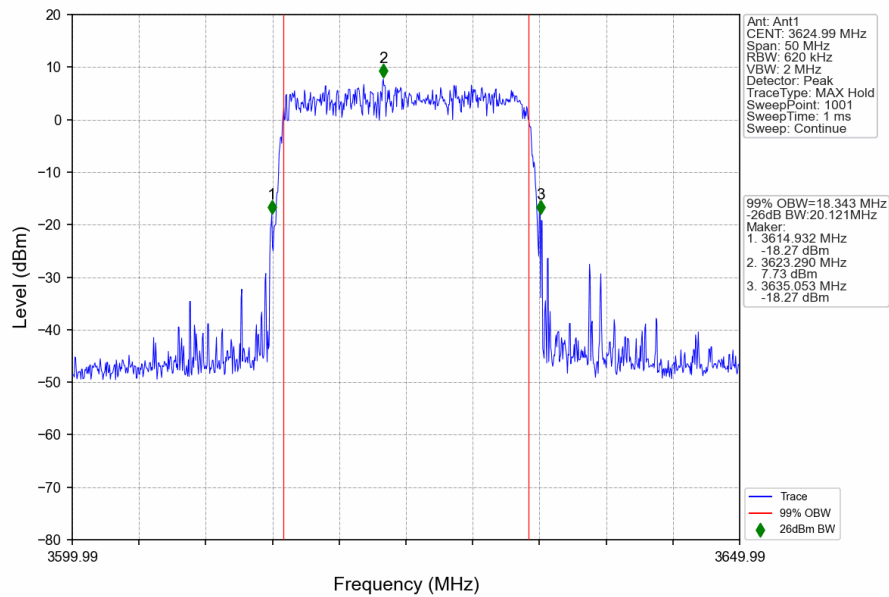
n48_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3690MHz_Outer_Full



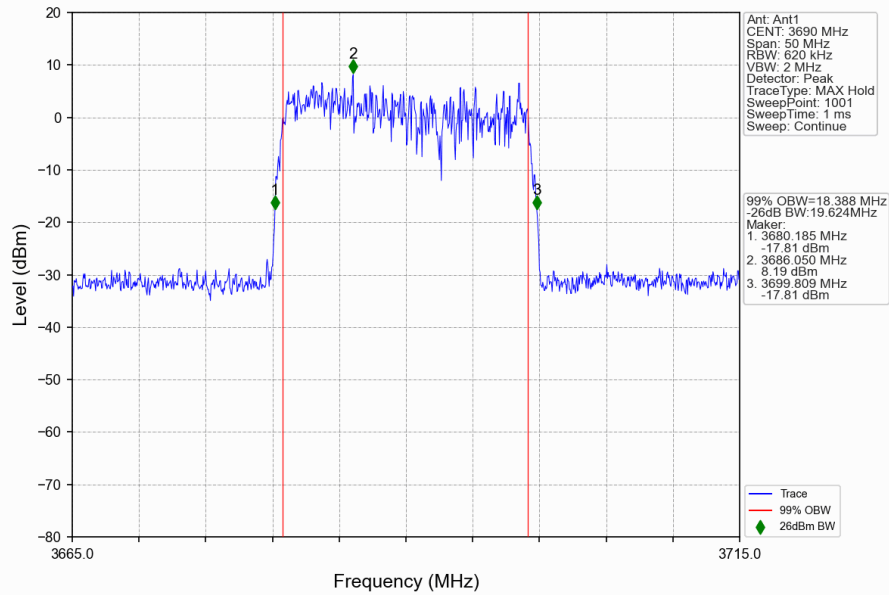
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n48_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Outer_Full



n48_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3690MHz_Outer_Full



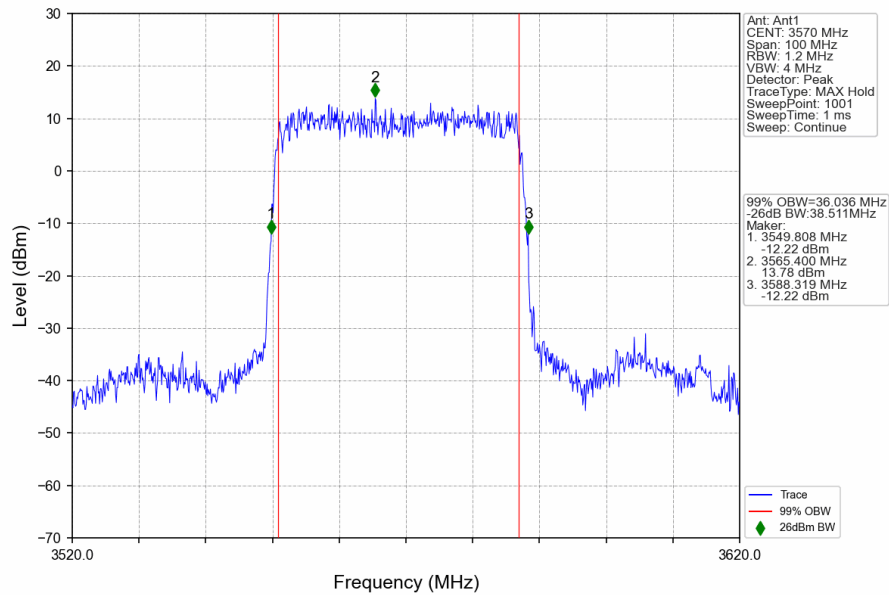
1.3 30k_SISO_40MHz_NTNV

1.3.1 Test Result

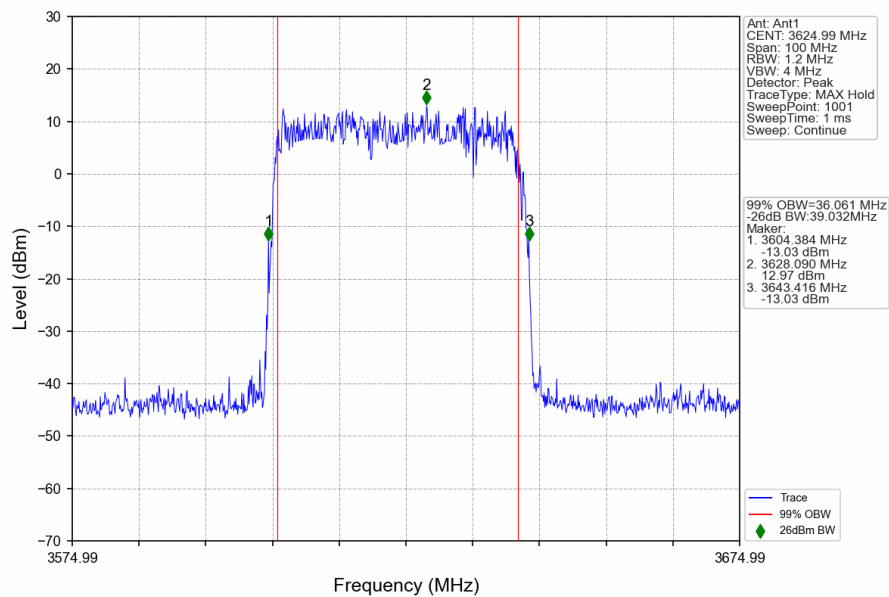
5G NR n48 SCS=30kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3570	Outer_Full	36.04	38.51	/	Pass
	3624.99	Outer_Full	36.06	39.03	/	Pass
	3679.98	Outer_Full	36.02	38.36	/	Pass
DFT-s-OFDM QPSK	3570	Outer_Full	35.96	38.38	/	Pass
	3624.99	Outer_Full	25.87	27.07	/	Pass
	3679.98	Outer_Full	35.81	38.31	/	Pass
DFT-s-OFDM 16 QAM	3570	Outer_Full	35.98	38.37	/	Pass
	3624.99	Outer_Full	35.89	38.38	/	Pass
	3679.98	Outer_Full	35.97	38.46	/	Pass
DFT-s-OFDM 64 QAM	3570	Outer_Full	36.10	38.28	/	Pass
	3624.99	Outer_Full	35.73	38.16	/	Pass
	3679.98	Outer_Full	36.11	38.39	/	Pass
DFT-s-OFDM 256 QAM	3570	Outer_Full	36.01	38.52	/	Pass
	3624.99	Outer_Full	36.19	38.21	/	Pass
	3679.98	Outer_Full	35.82	38.26	/	Pass
CP-OFDM QPSK	3570	Outer_Full	37.88	40.66	/	Pass
	3624.99	Outer_Full	37.96	40.43	/	Pass
	3679.98	Outer_Full	38.07	40.45	/	Pass
CP-OFDM 16 QAM	3570	Outer_Full	37.93	40.61	/	Pass
	3624.99	Outer_Full	38.05	40.52	/	Pass
	3679.98	Outer_Full	38.10	40.56	/	Pass
CP-OFDM 64 QAM	3570	Outer_Full	37.78	40.72	/	Pass
	3624.99	Outer_Full	38.22	40.62	/	Pass
	3679.98	Outer_Full	38.18	40.63	/	Pass
CP-OFDM 256 QAM	3570	Outer_Full	38.25	40.88	/	Pass
	3624.99	Outer_Full	38.17	40.51	/	Pass
	3679.98	Outer_Full	38.01	40.64	/	Pass

1.3.2 Test Graph

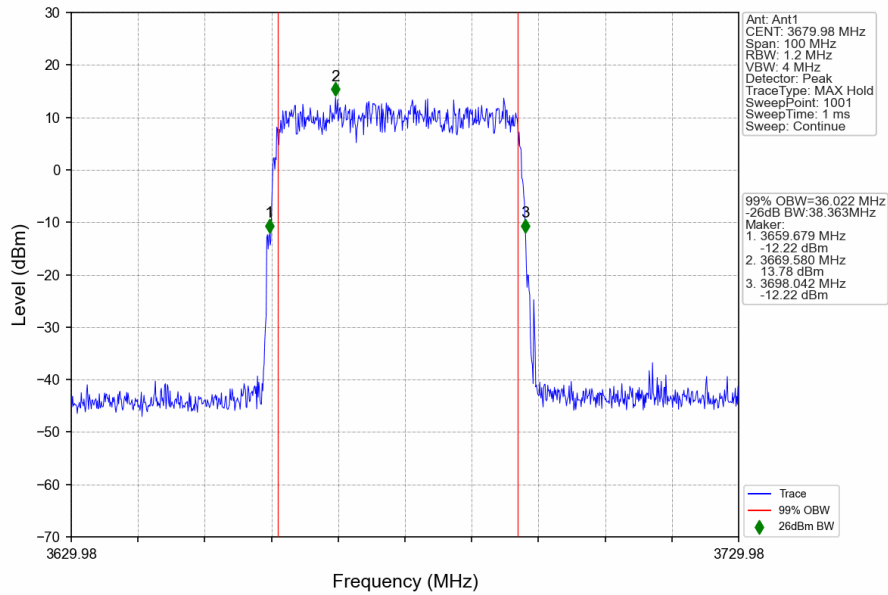
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM PI/2 BPSK_3570MHz_Outer_Full



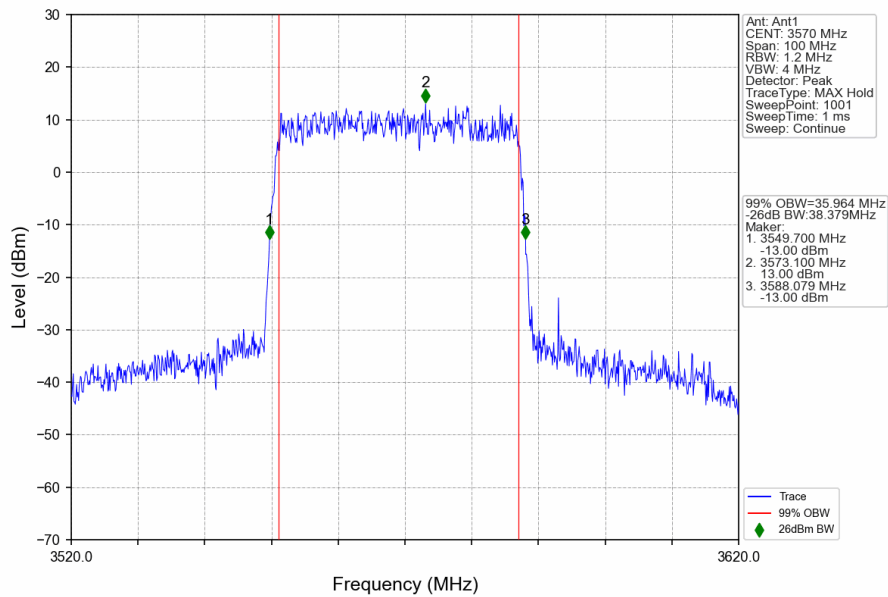
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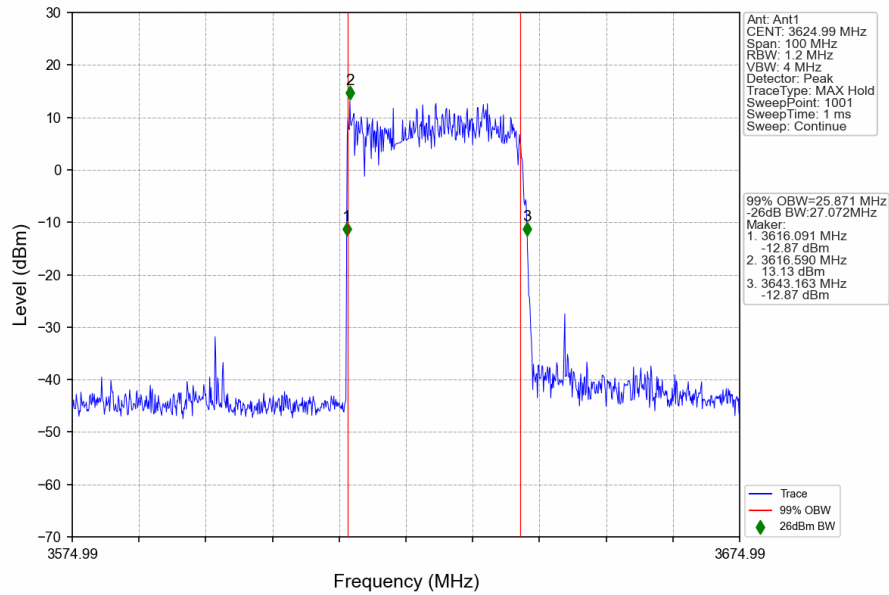
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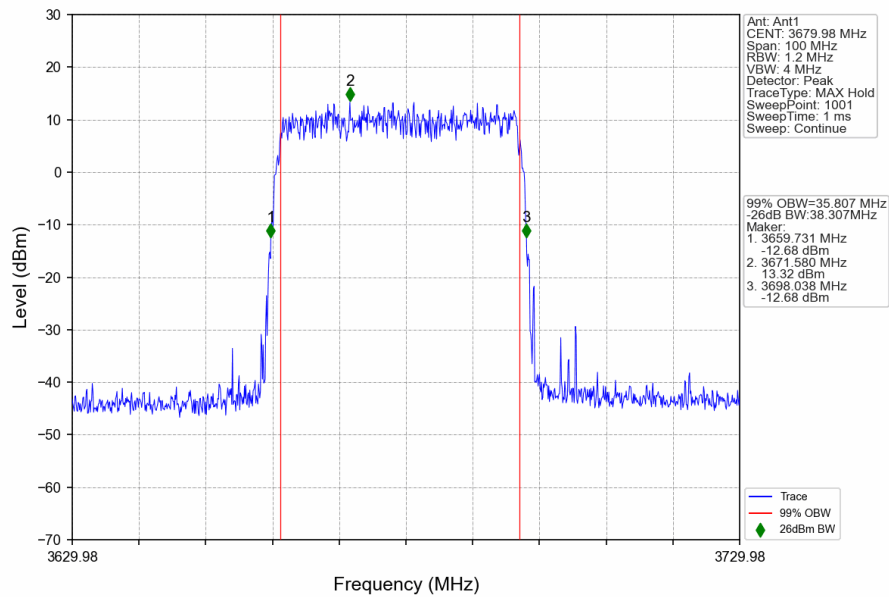
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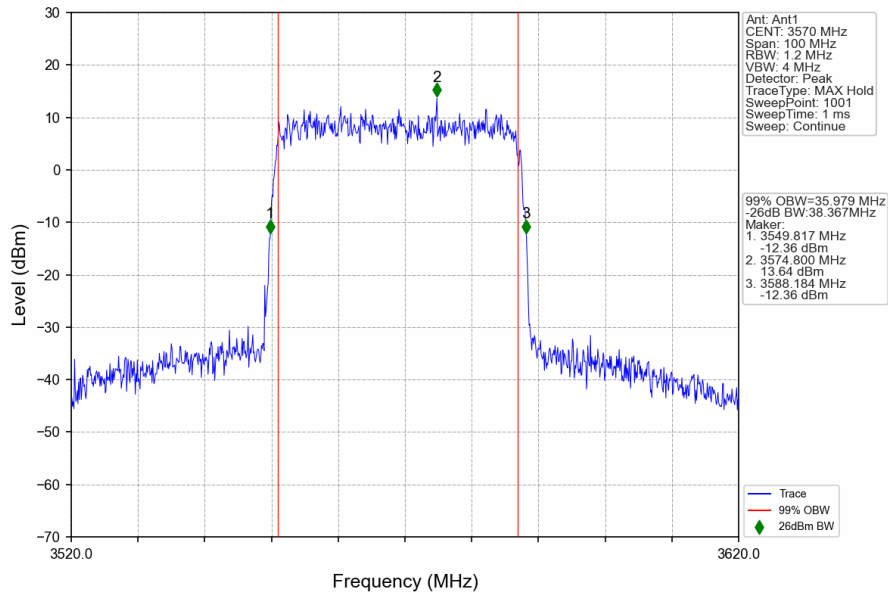
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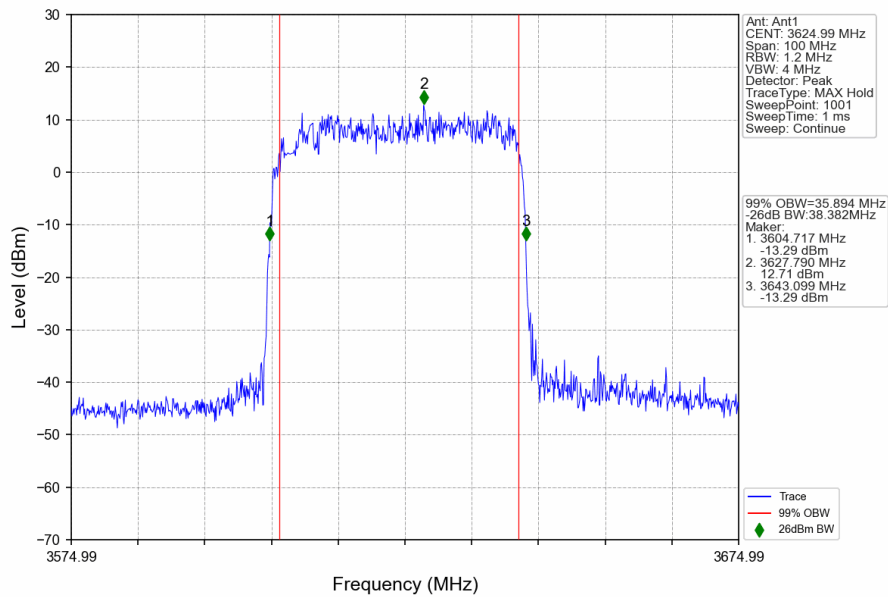
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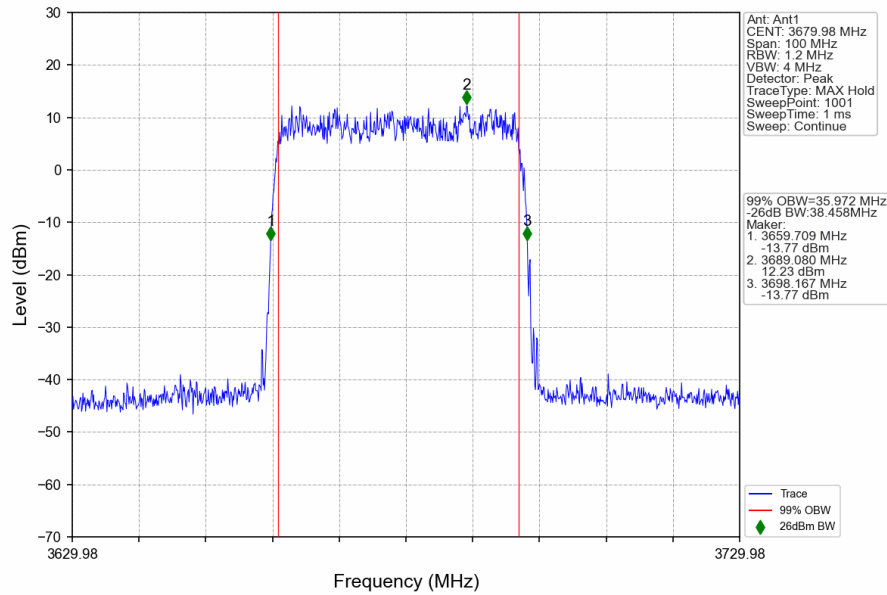
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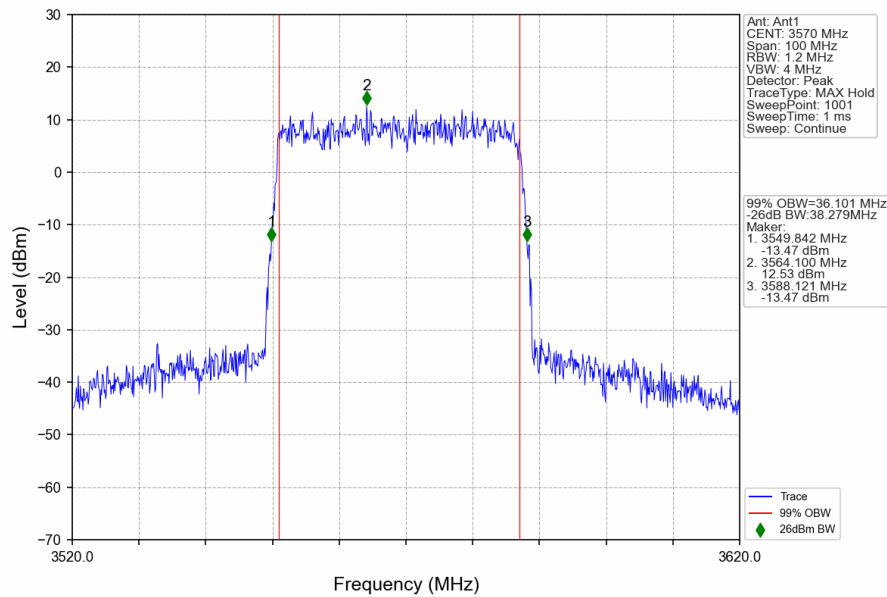
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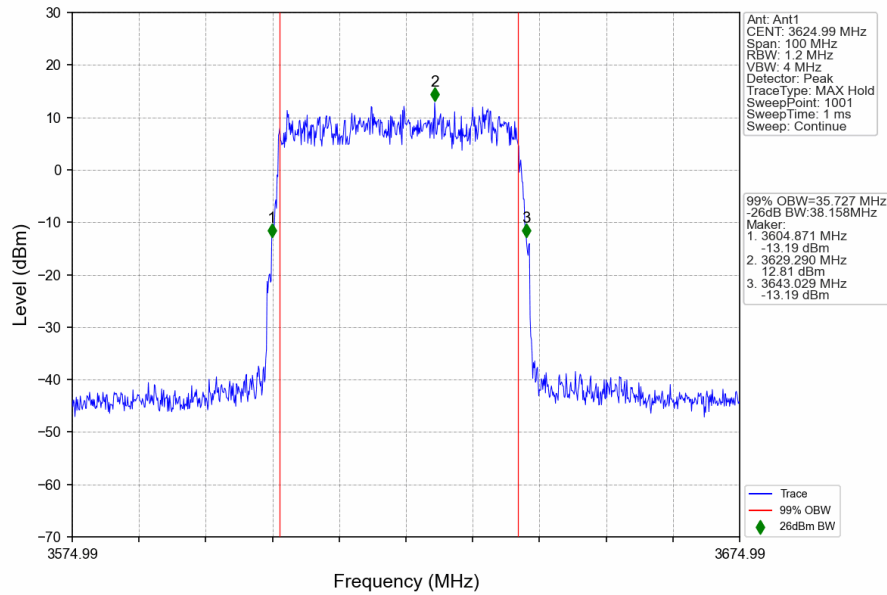
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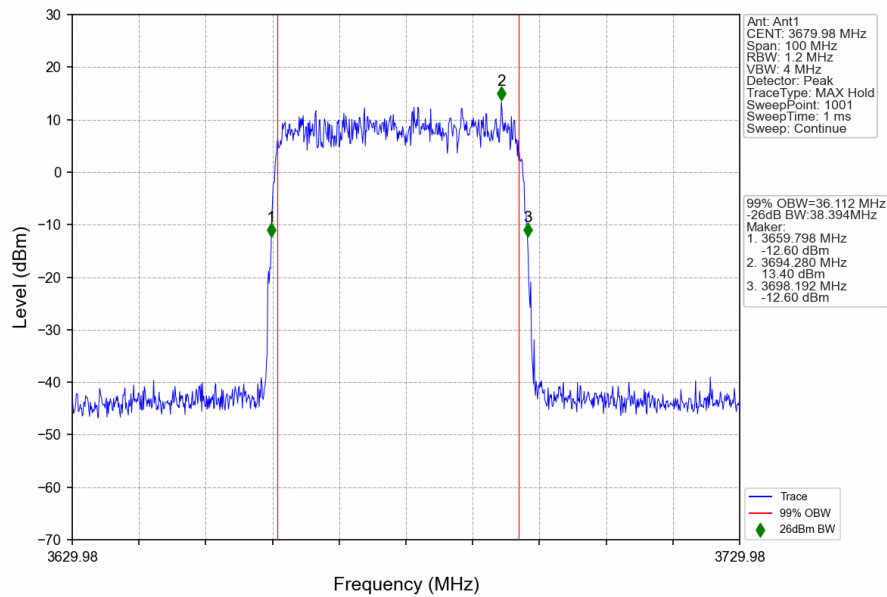
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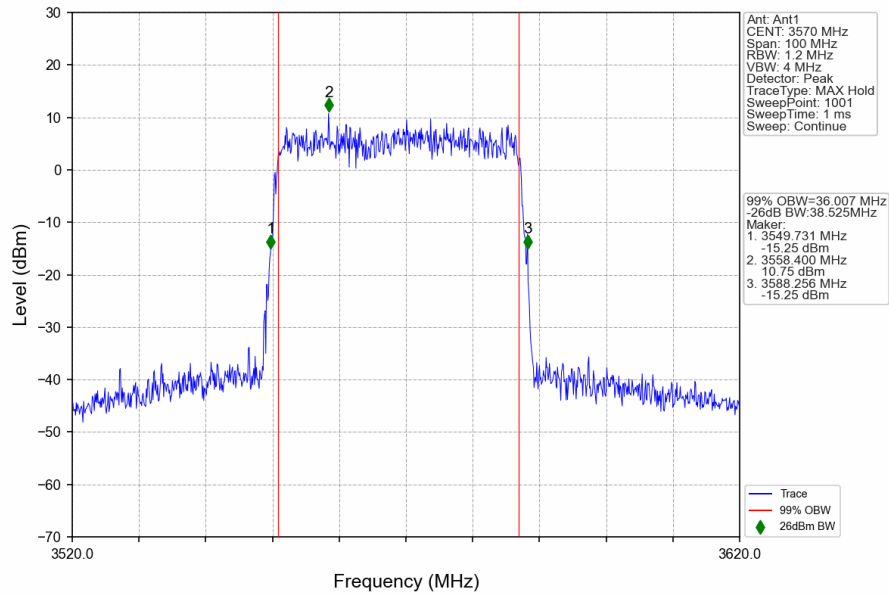
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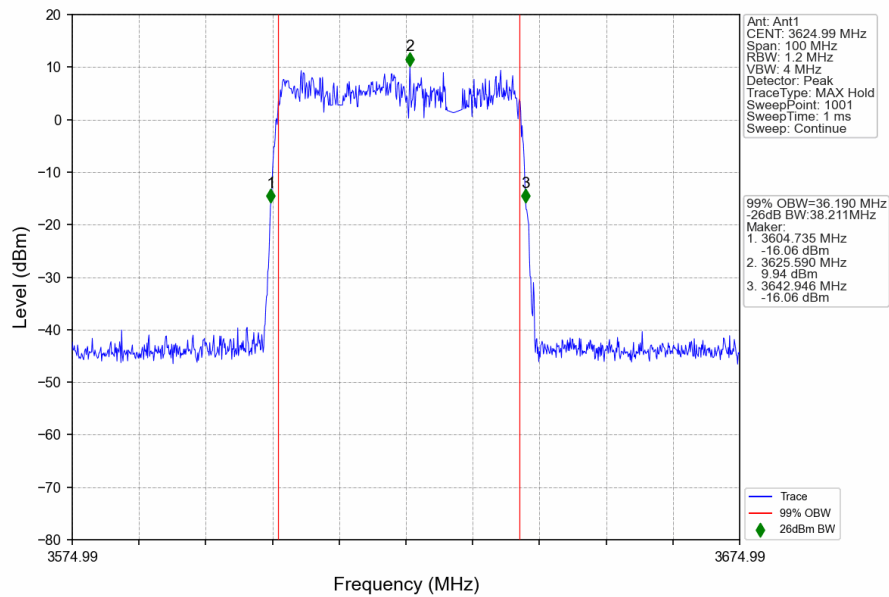
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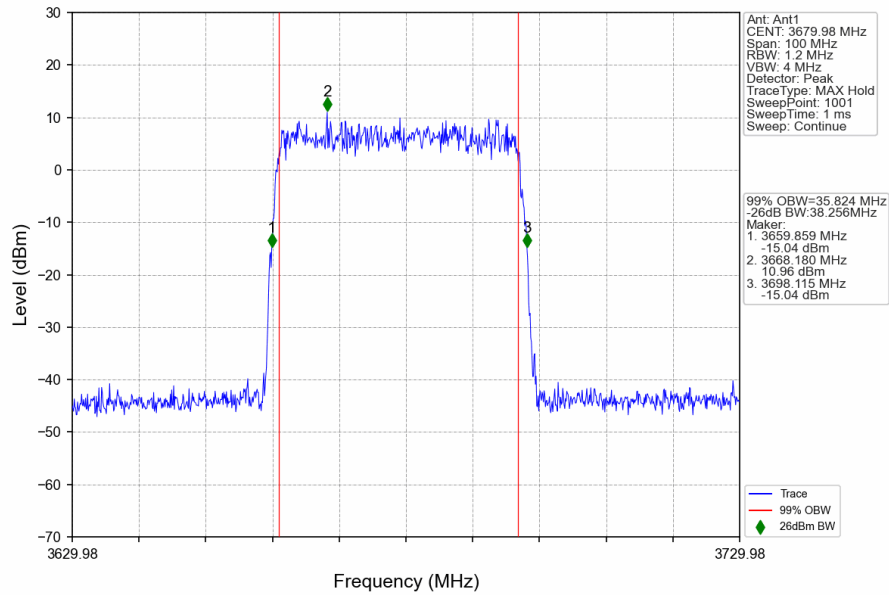
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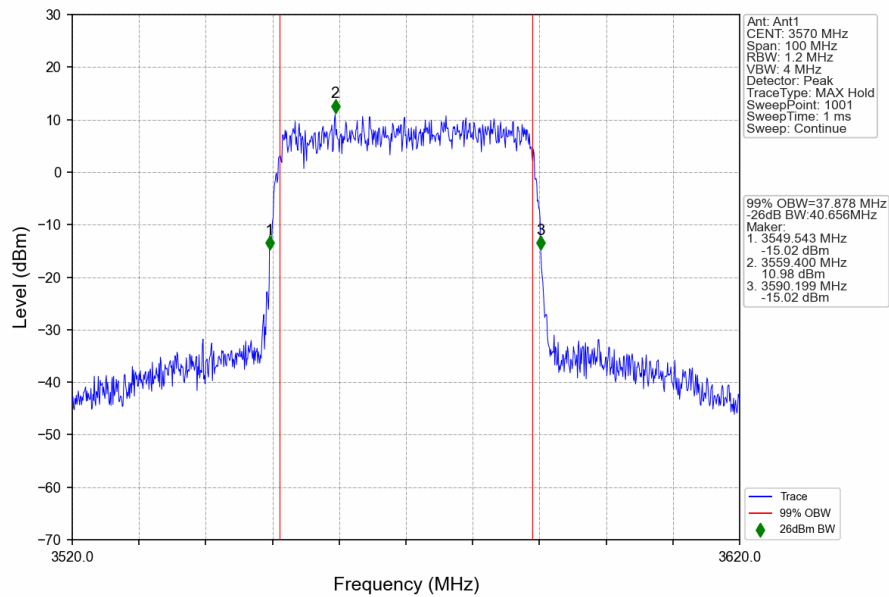
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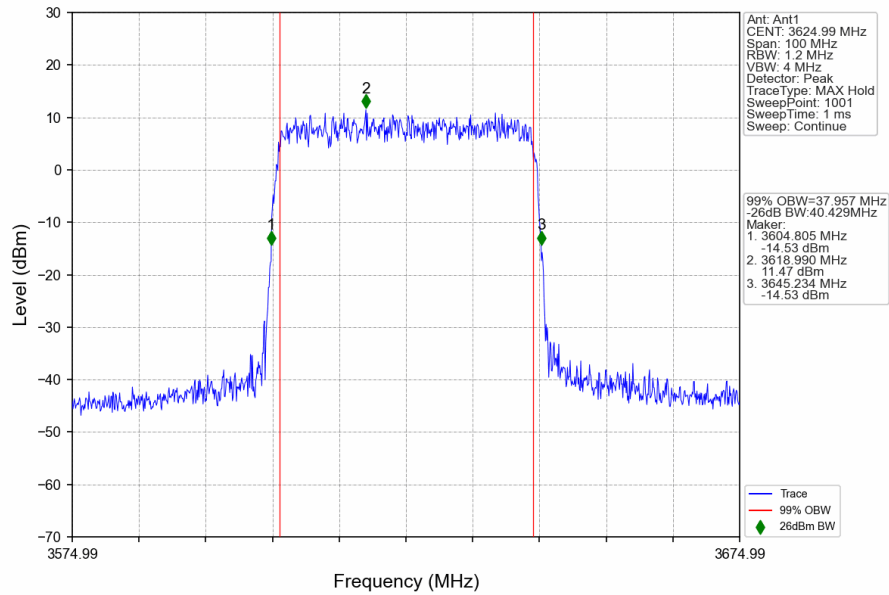
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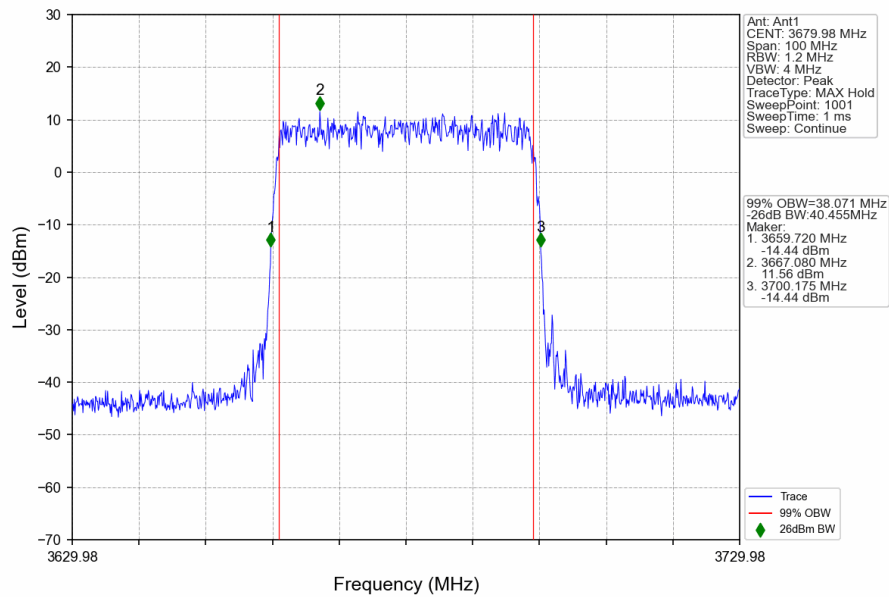
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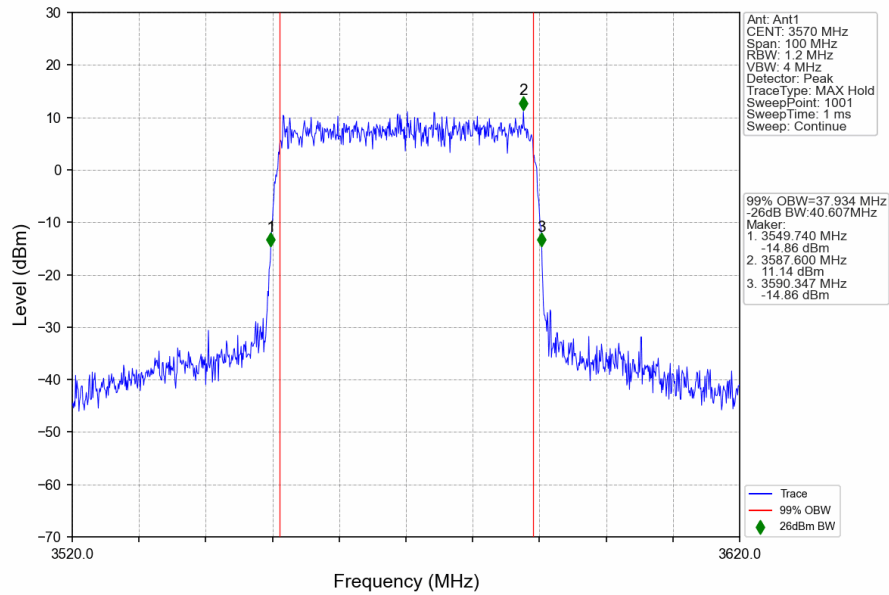
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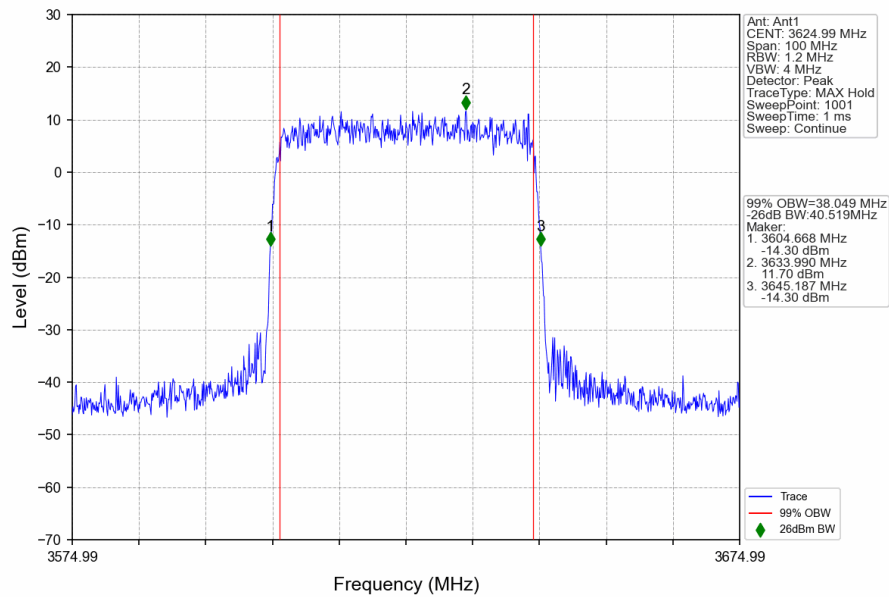
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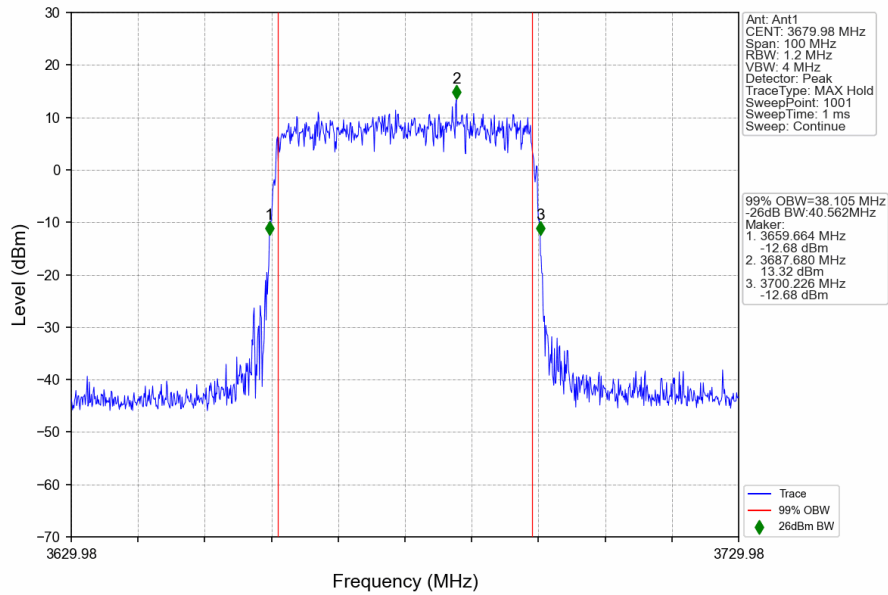
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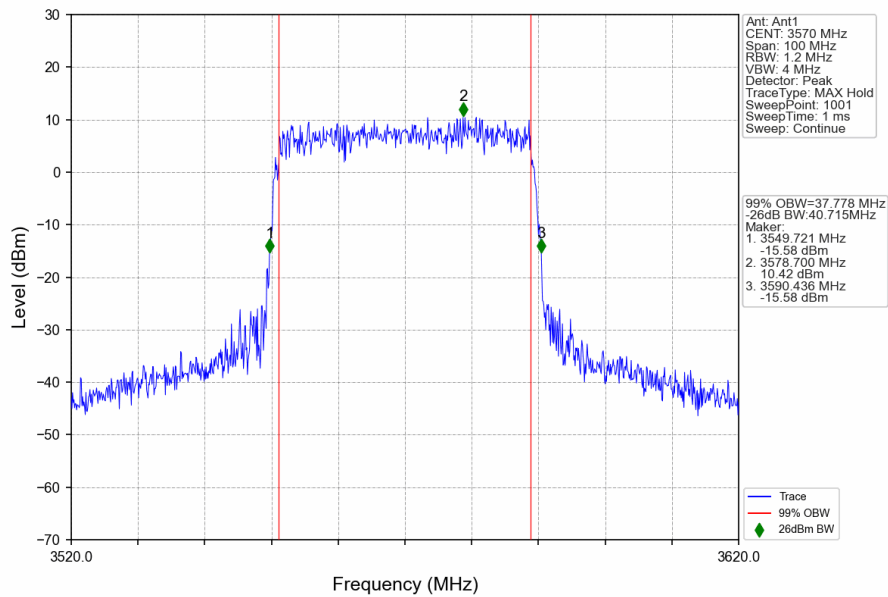
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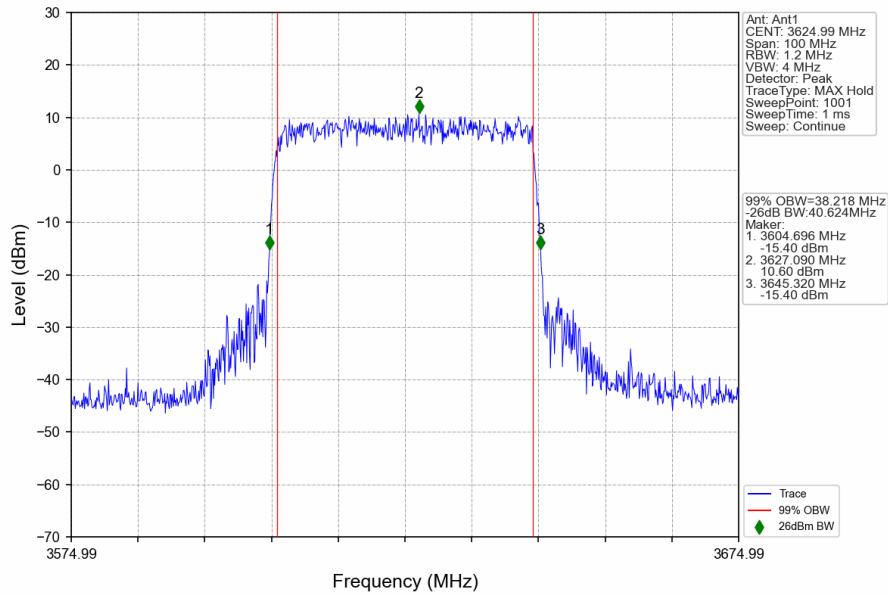
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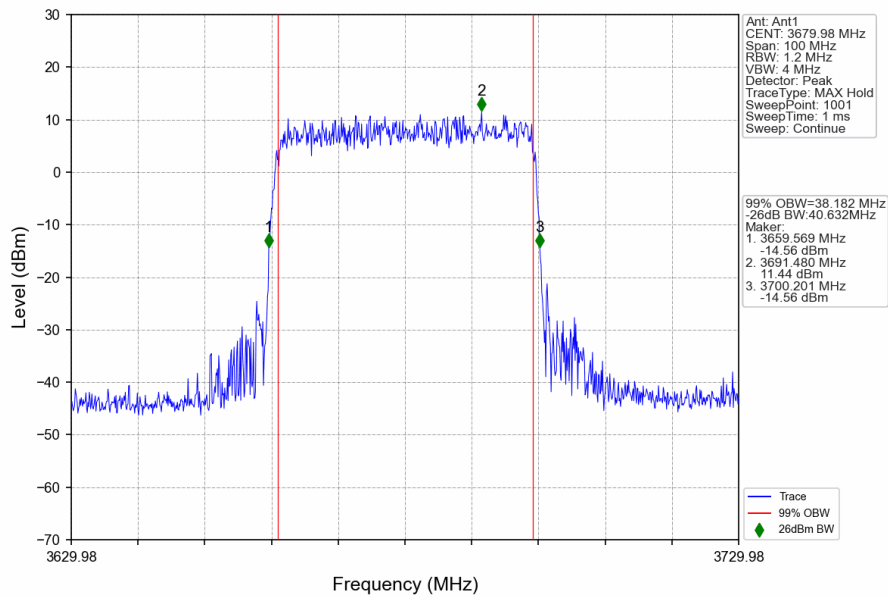
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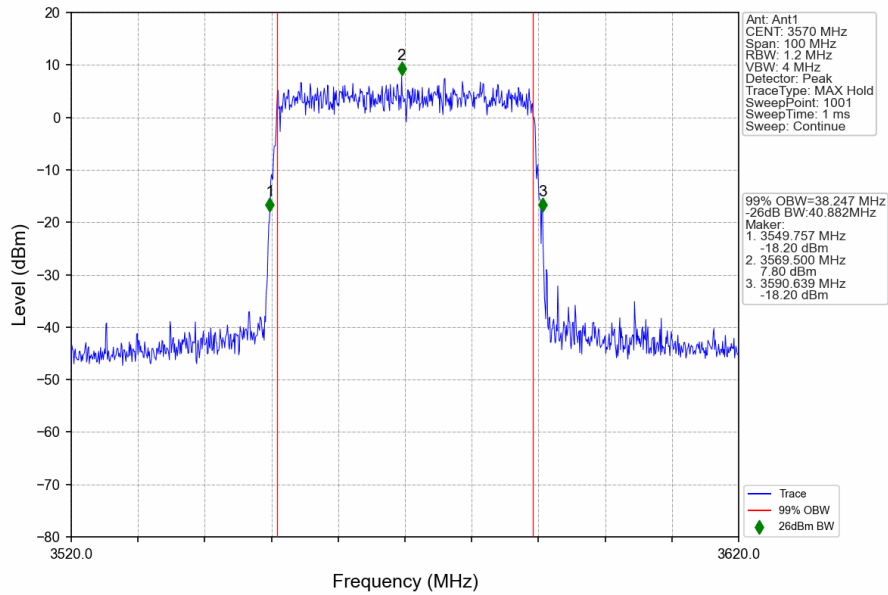
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n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3679.98MHz_Outer_Full



n48_30kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_3570MHz_Outer_Full



n48_30kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_3624.99MHz_Outer_Full

