

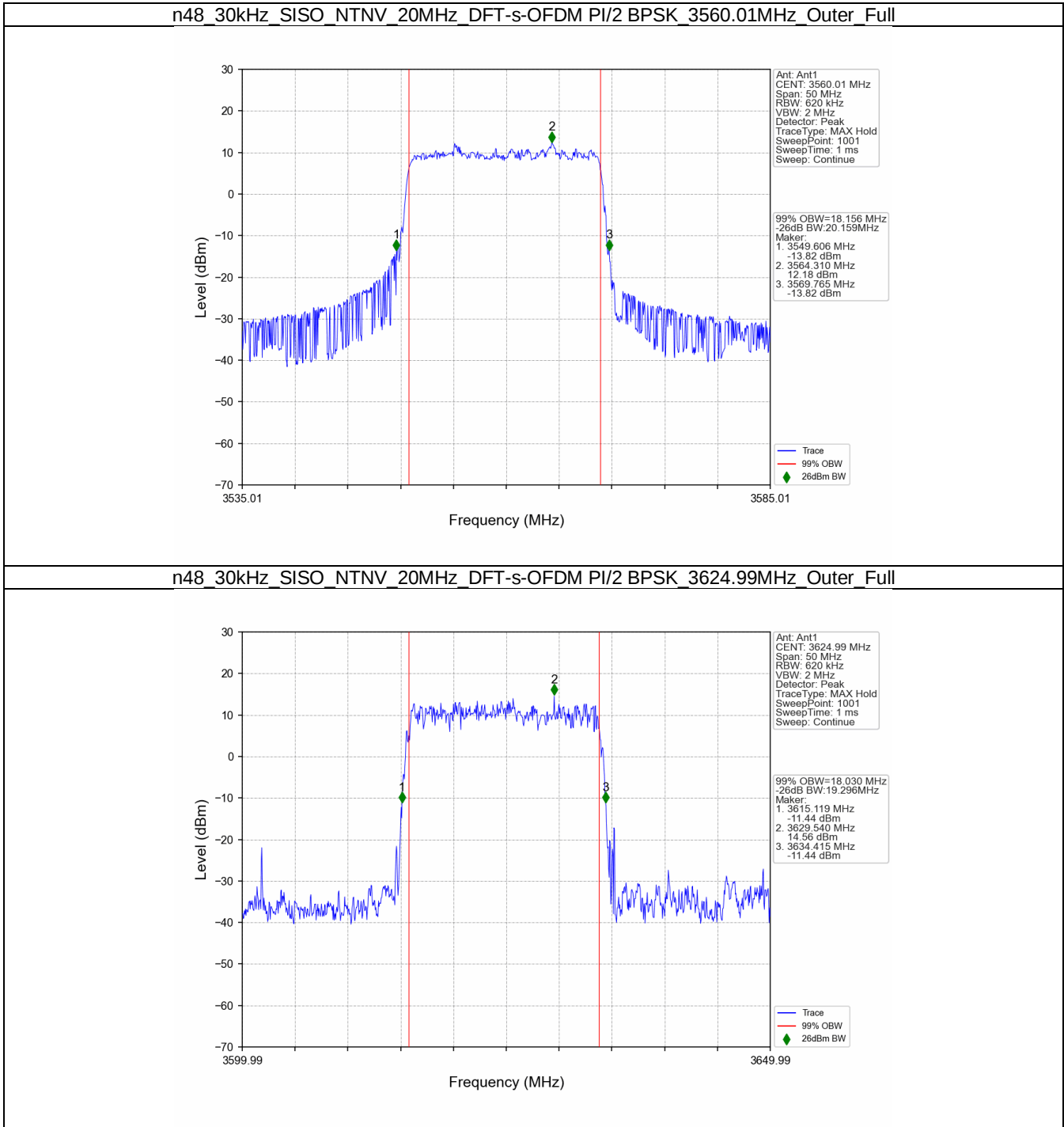
1. 99% & 26dB Bandwidth

1.1 30k_SISO_20MHz_NTNV

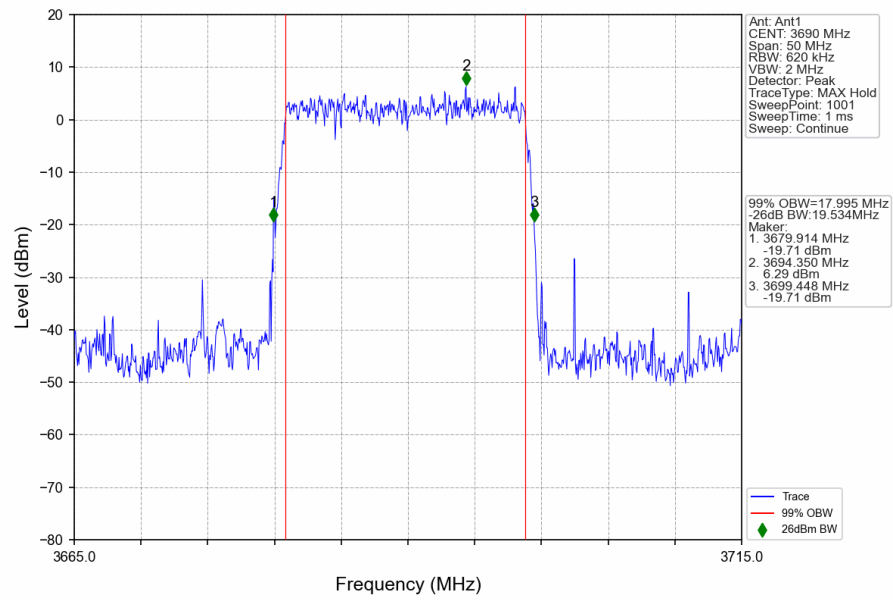
1.1.1 Test Result

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	18.16	20.16	/	Pass
	3624.99	Outer_Full	18.03	19.30	/	Pass
	3690	Outer_Full	18.00	19.53	/	Pass
DFT-s-OFDM QPSK	3560.01	Outer_Full	18.10	21.04	/	Pass
	3624.99	Outer_Full	18.14	19.45	/	Pass
	3690	Outer_Full	18.09	19.25	/	Pass
DFT-s-OFDM 16 QAM	3560.01	Outer_Full	18.13	19.70	/	Pass
	3624.99	Outer_Full	18.09	19.47	/	Pass
	3690	Outer_Full	17.97	19.28	/	Pass
DFT-s-OFDM 64 QAM	3560.01	Outer_Full	18.13	20.15	/	Pass
	3624.99	Outer_Full	18.12	19.25	/	Pass
	3690	Outer_Full	18.07	19.29	/	Pass
DFT-s-OFDM 256 QAM	3560.01	Outer_Full	18.09	19.79	/	Pass
	3624.99	Outer_Full	17.91	19.23	/	Pass
	3690	Outer_Full	18.05	19.44	/	Pass
CP-OFDM QPSK	3560.01	Outer_Full	18.42	20.64	/	Pass
	3624.99	Outer_Full	18.32	19.54	/	Pass
	3690	Outer_Full	18.43	19.62	/	Pass
CP-OFDM 16 QAM	3560.01	Outer_Full	18.46	21.99	/	Pass
	3624.99	Outer_Full	18.57	19.91	/	Pass
	3690	Outer_Full	18.36	19.62	/	Pass
CP-OFDM 64 QAM	3560.01	Outer_Full	18.43	20.27	/	Pass
	3624.99	Outer_Full	18.44	19.83	/	Pass
	3690	Outer_Full	18.33	19.67	/	Pass
CP-OFDM 256 QAM	3560.01	Outer_Full	18.37	20.56	/	Pass
	3624.99	Outer_Full	18.32	19.93	/	Pass
	3690	Outer_Full	18.39	20.29	/	Pass

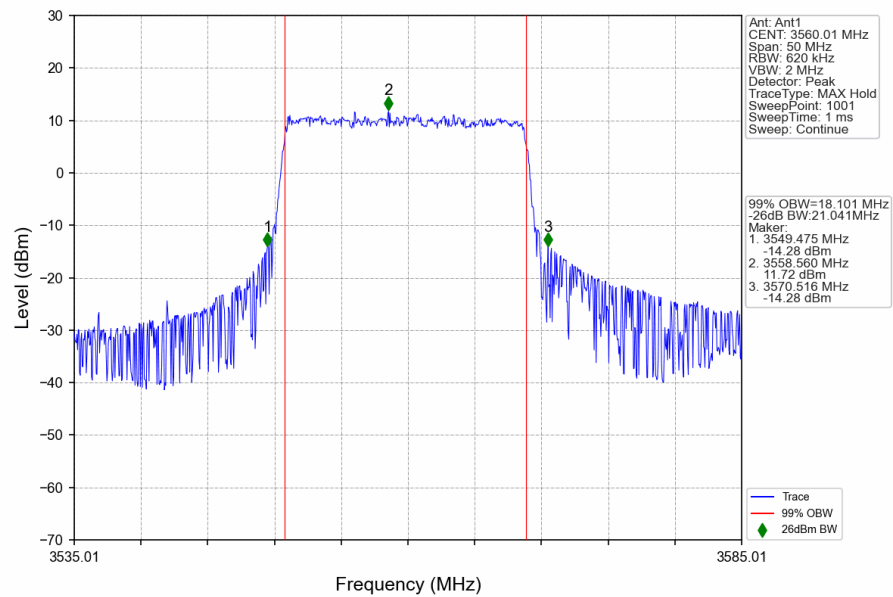
1.1.2 Test Graph



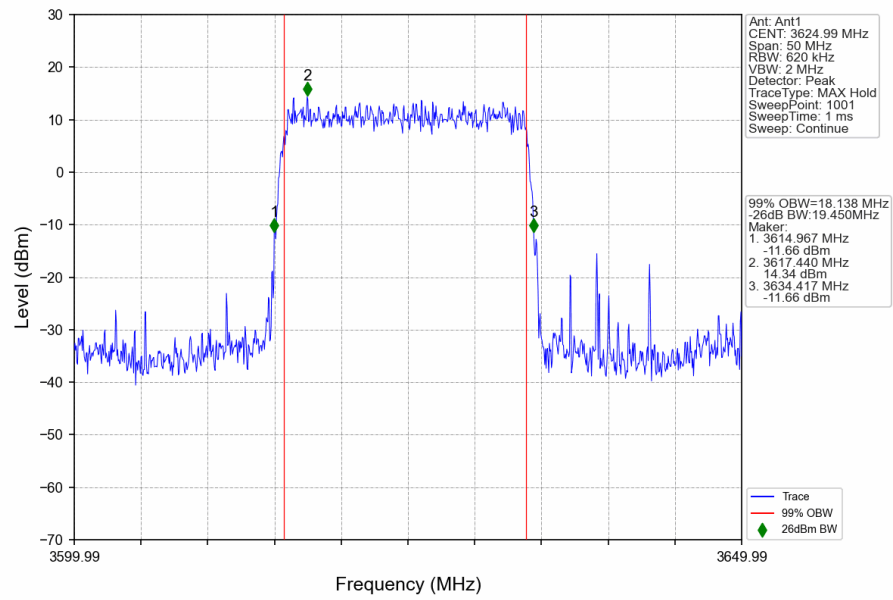
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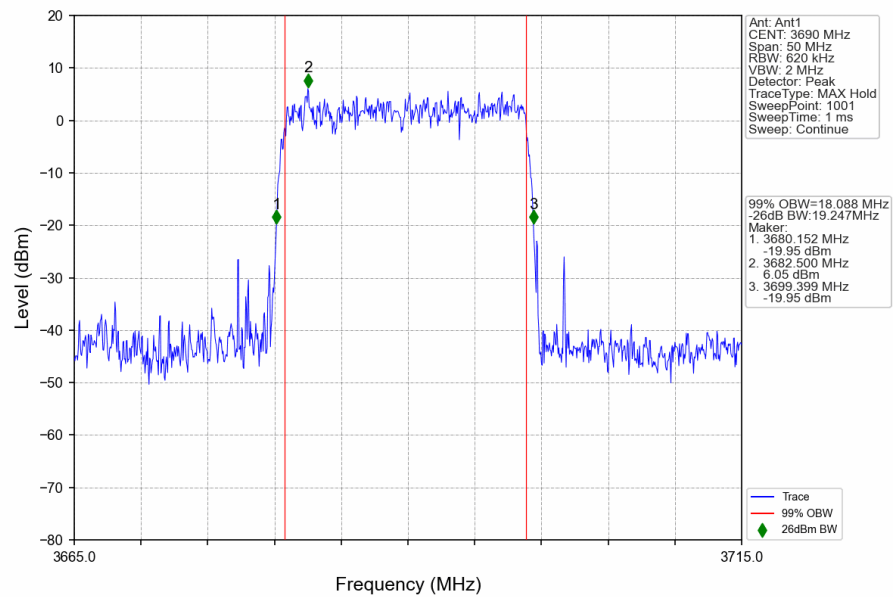
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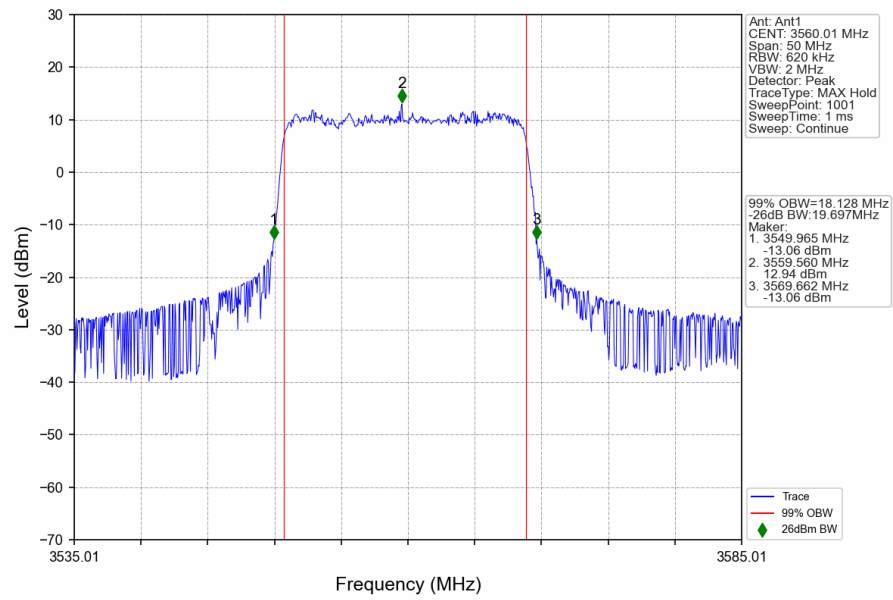
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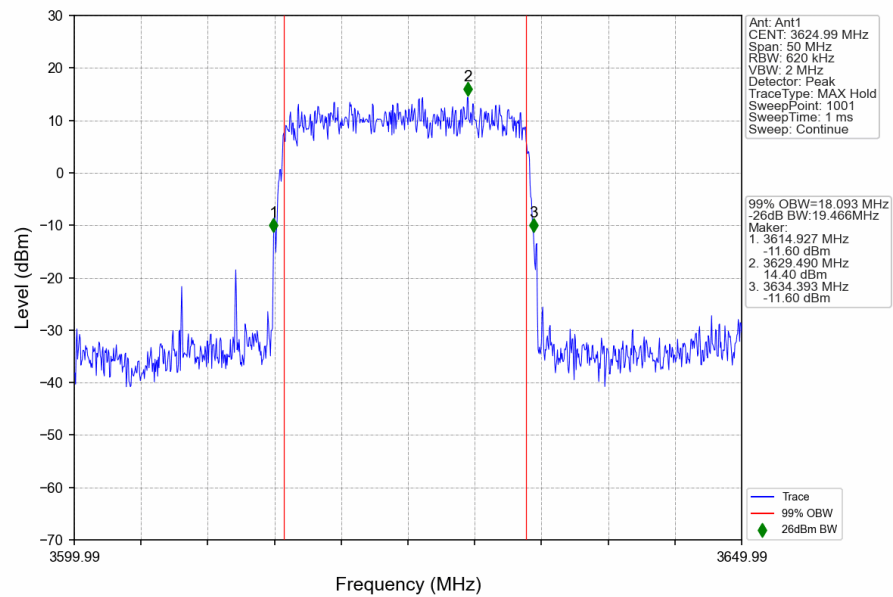
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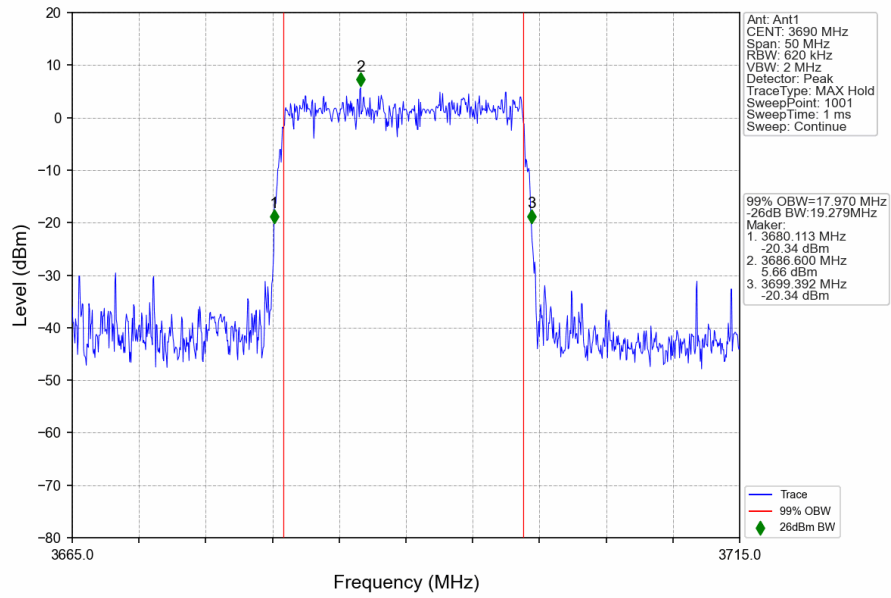
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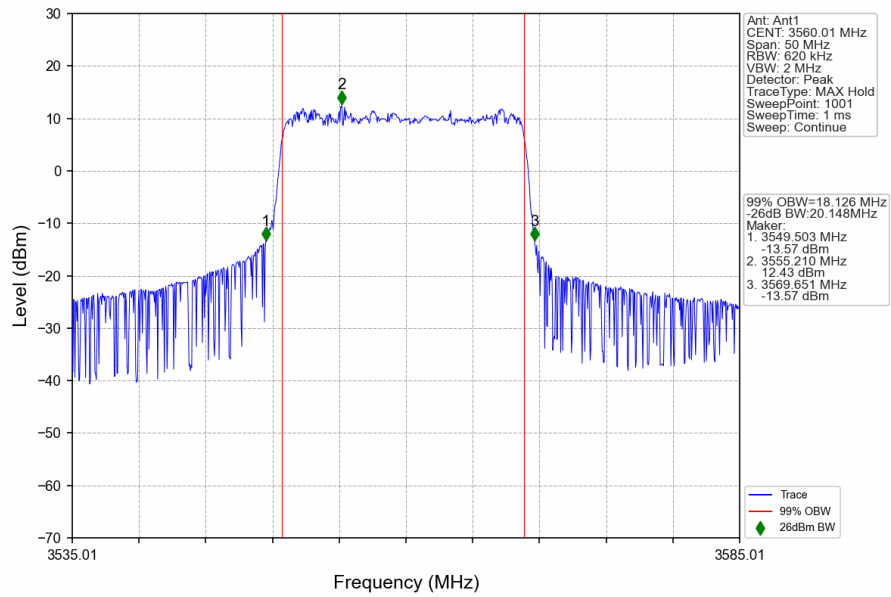
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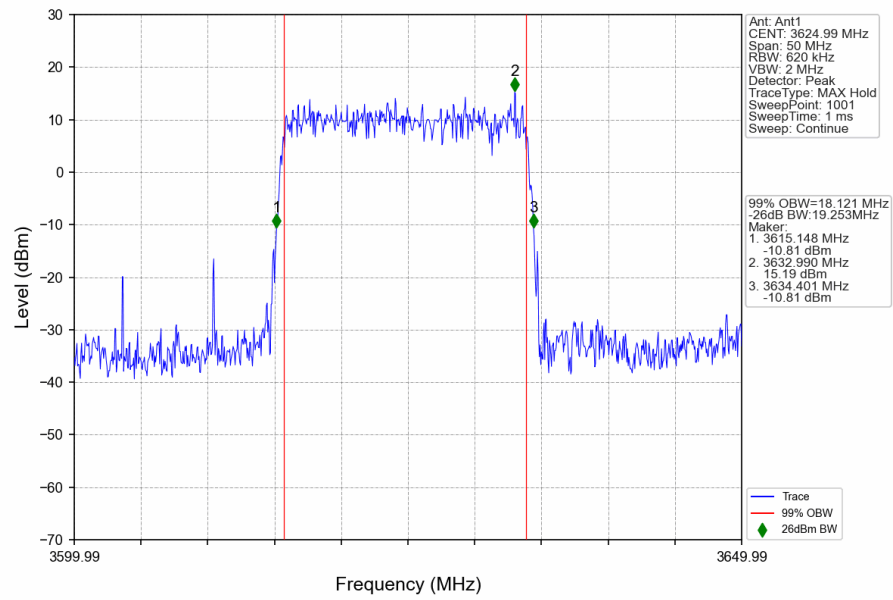
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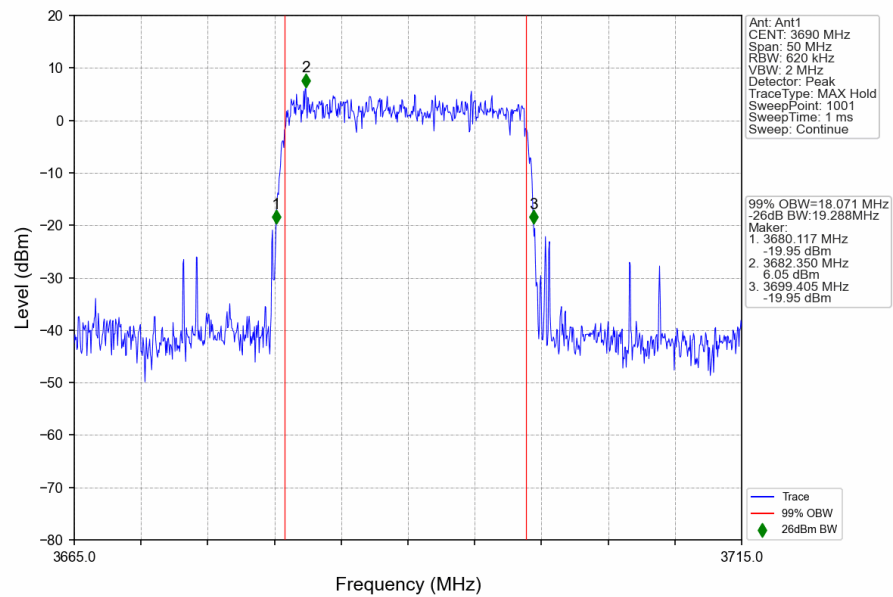
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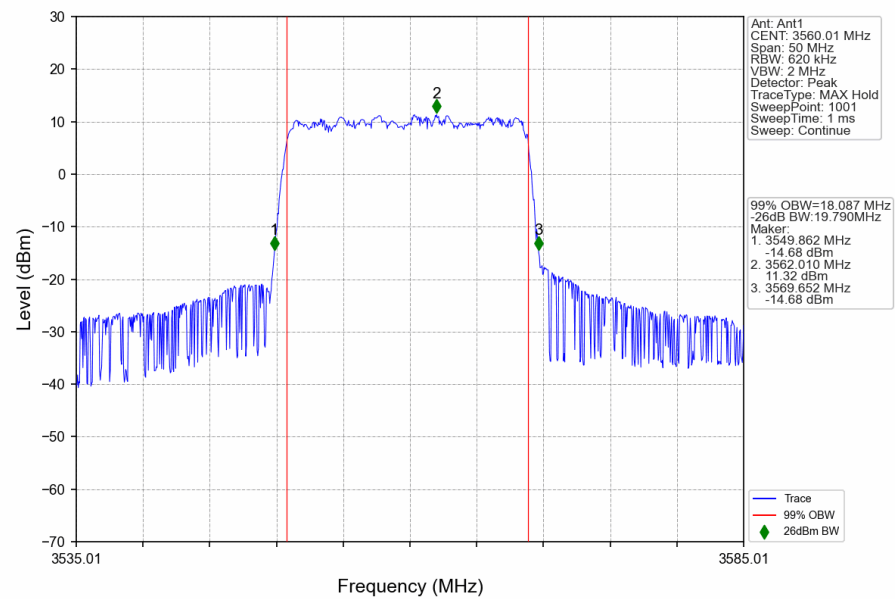
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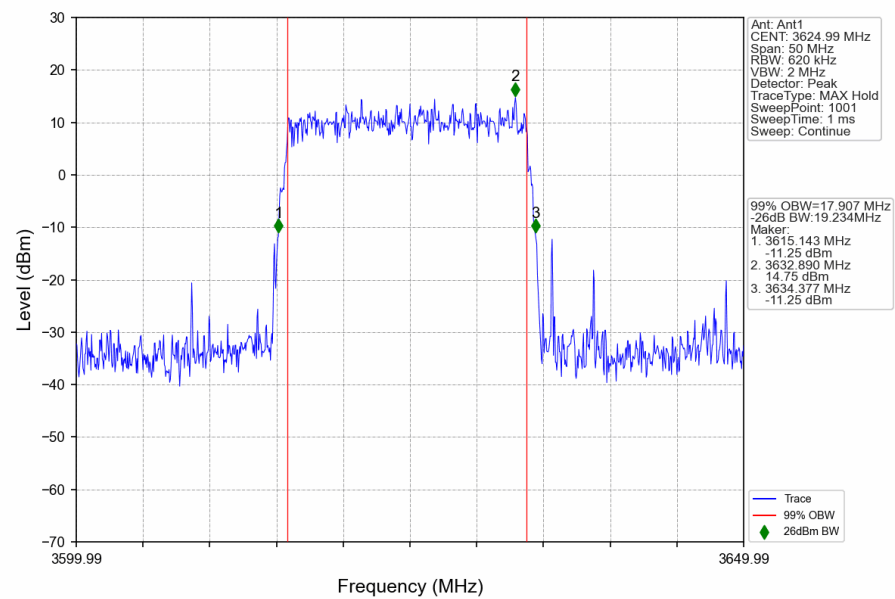
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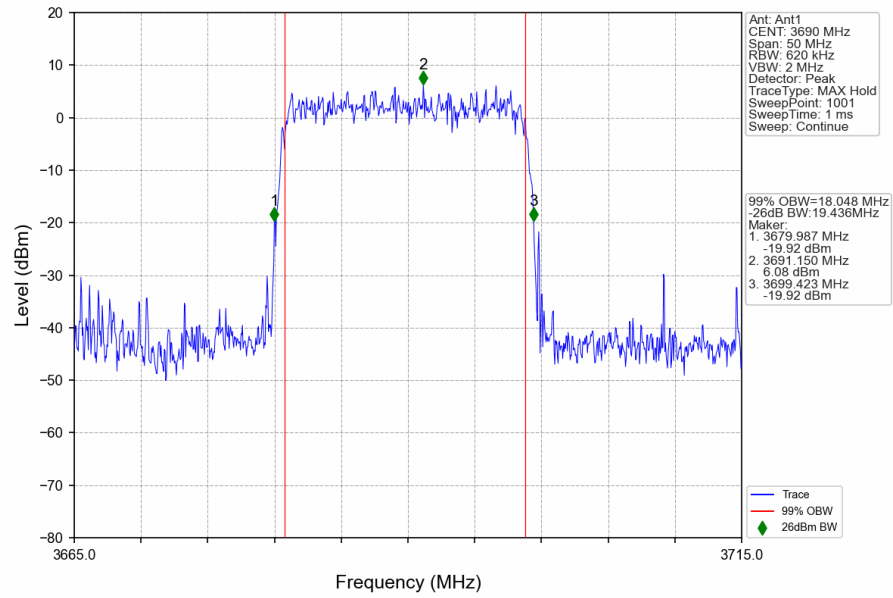
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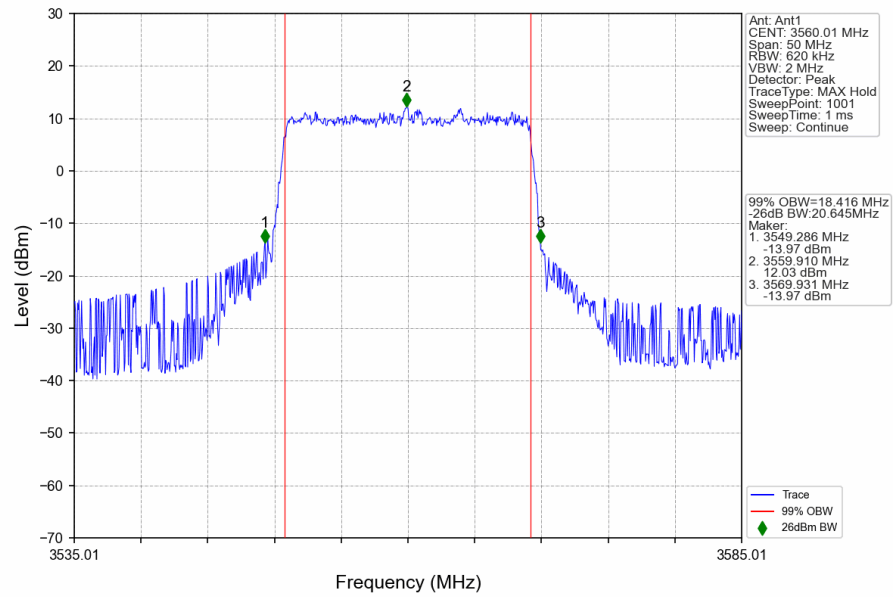
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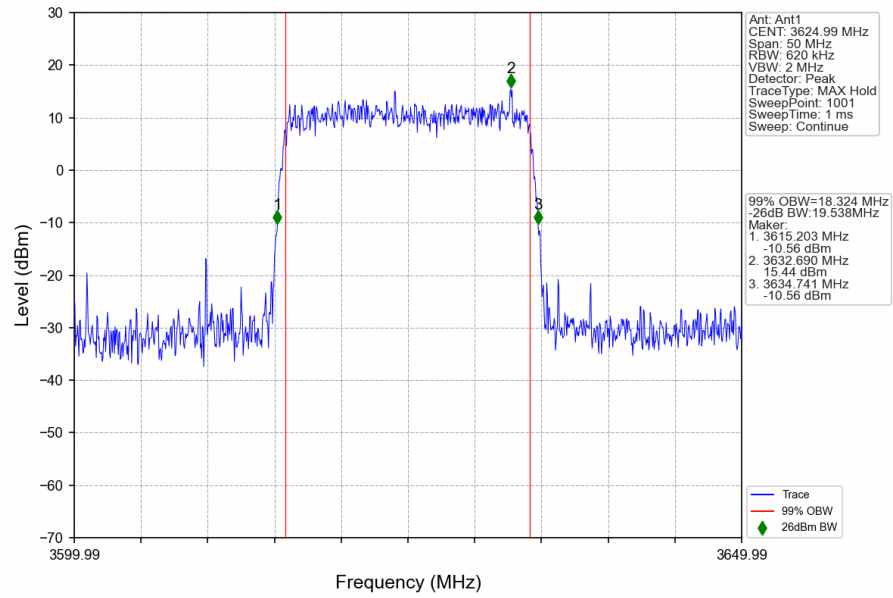
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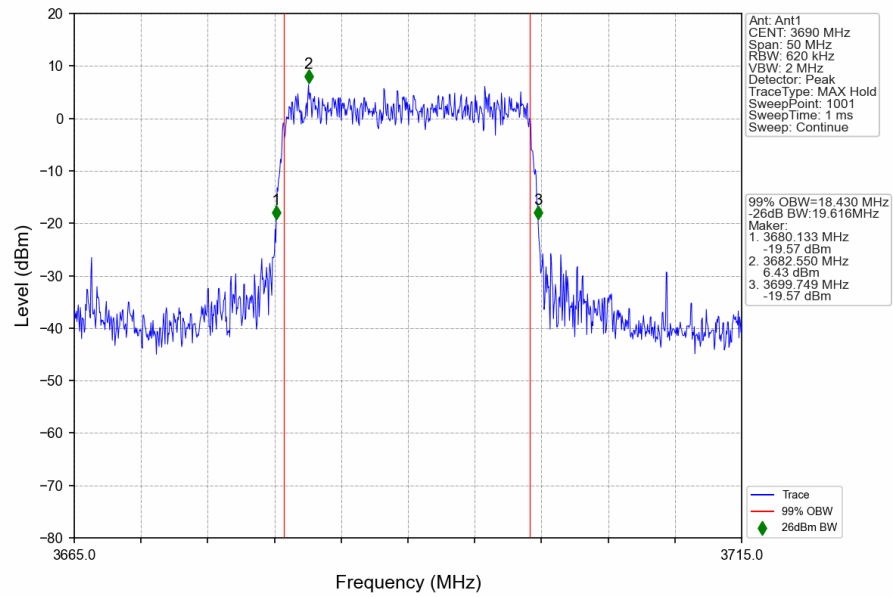
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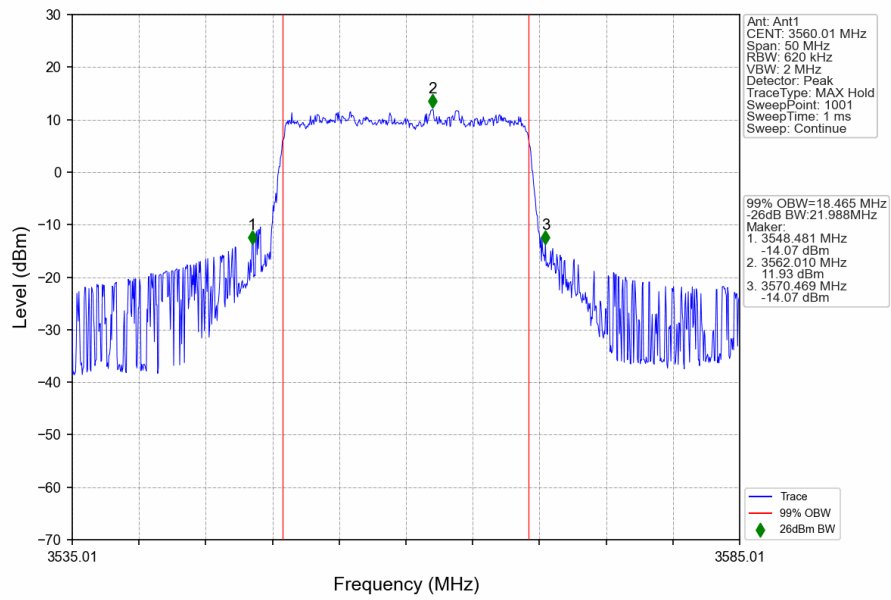
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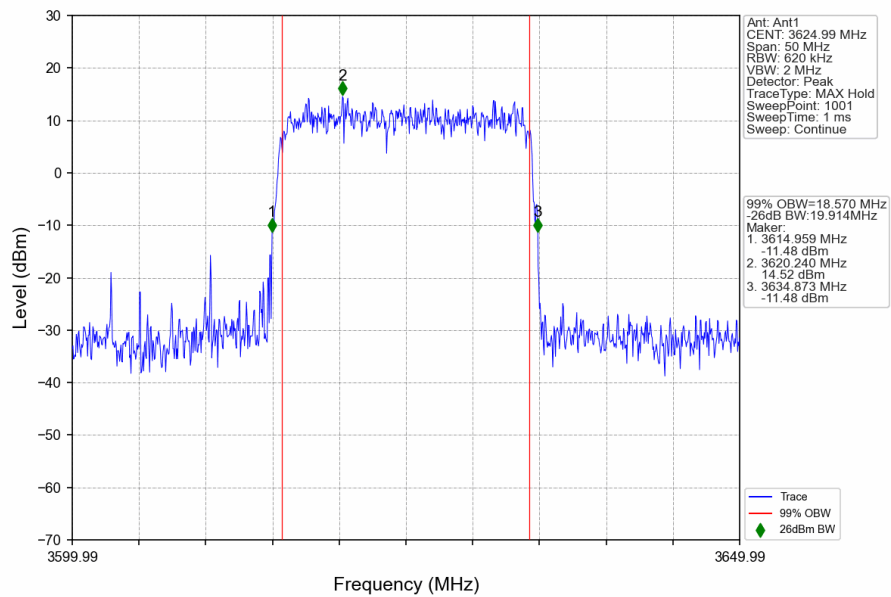
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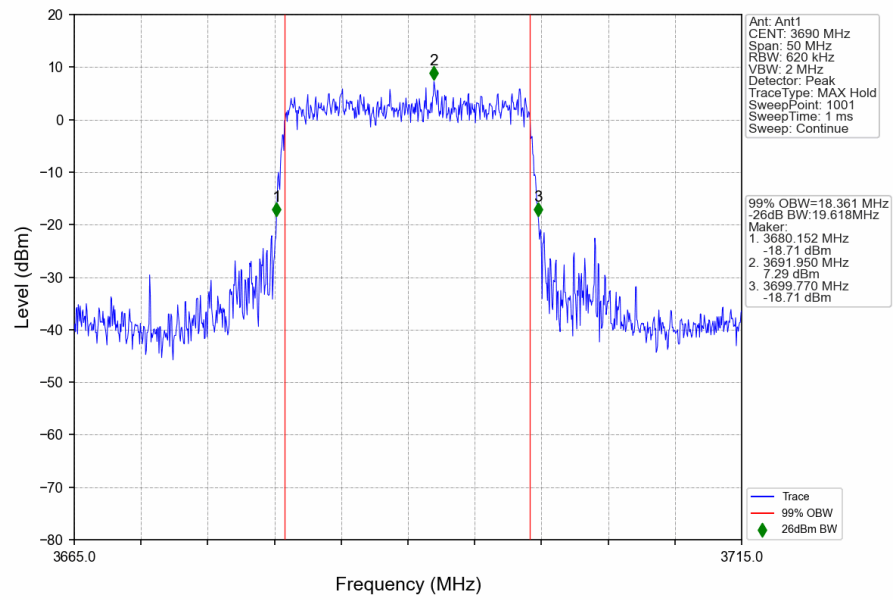
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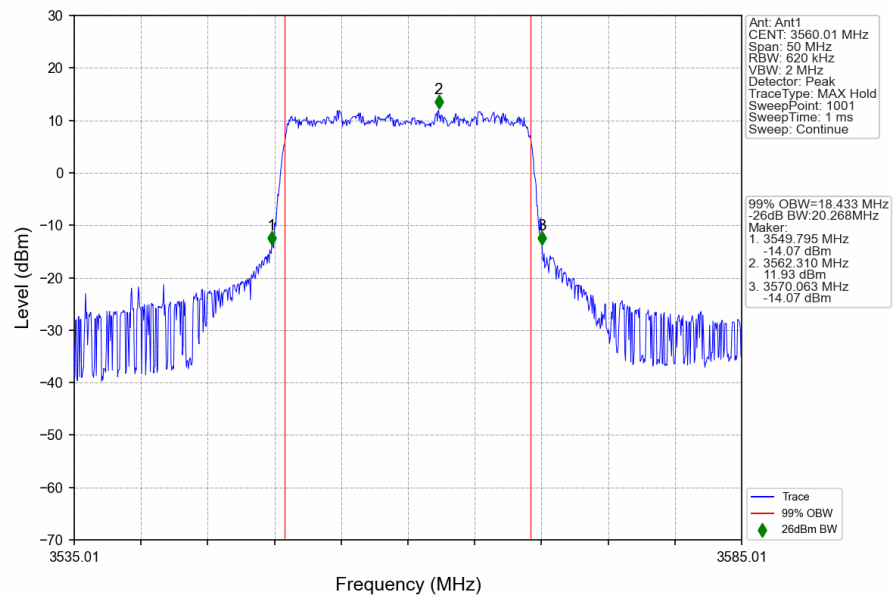
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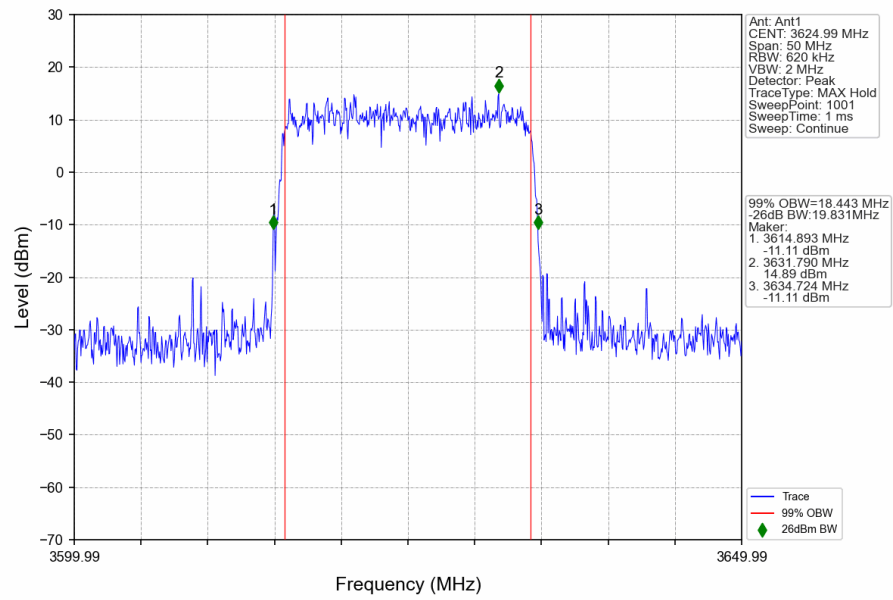
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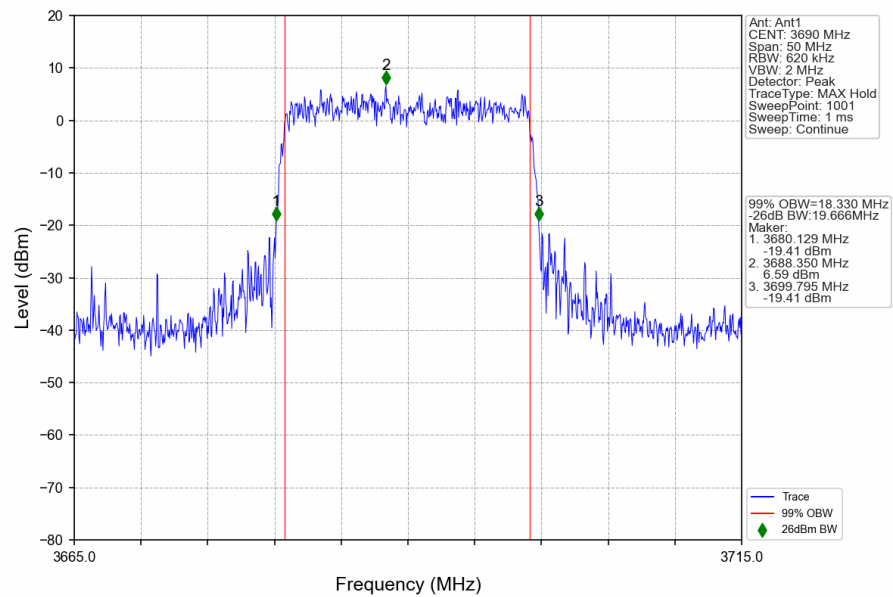
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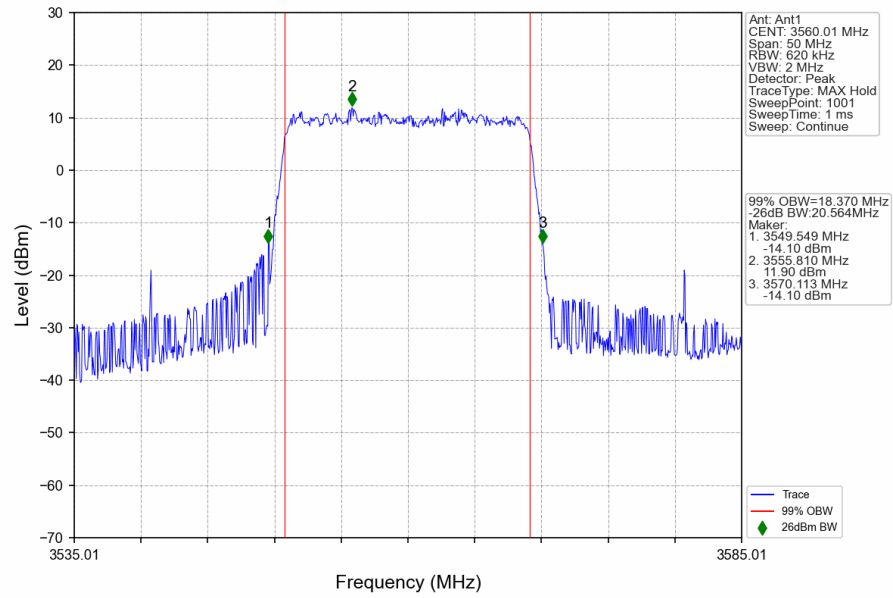
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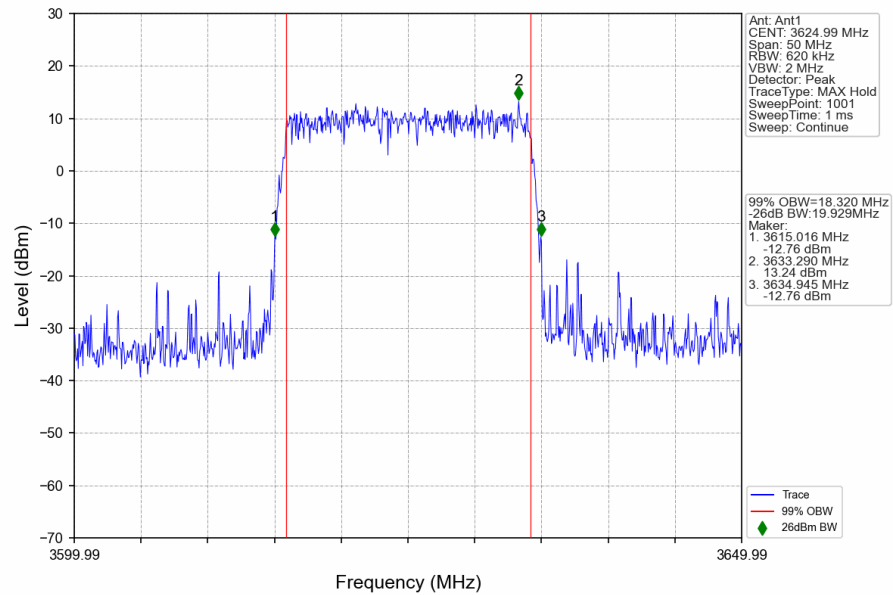
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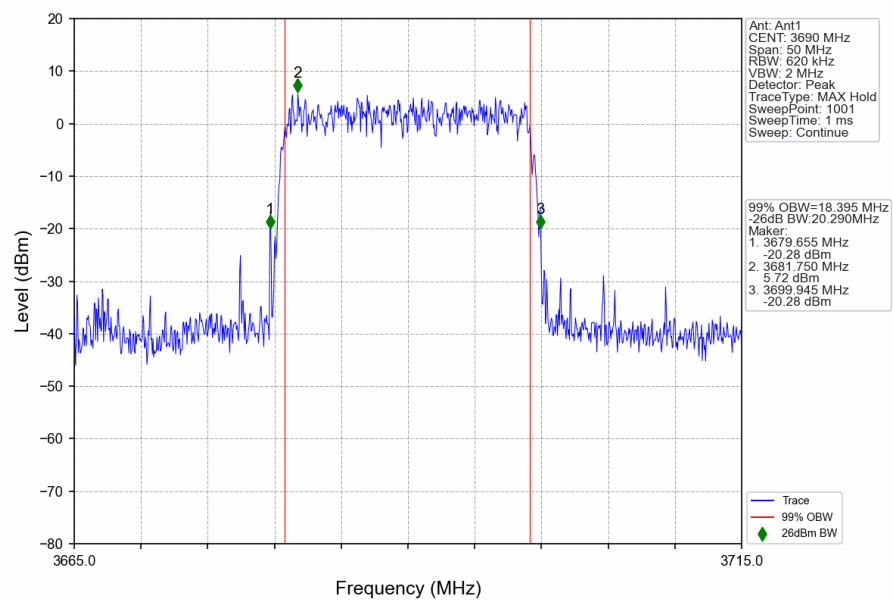


n48_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3560.01MHz_Outer_Full



n48_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3624.99MHz_Outer_Full



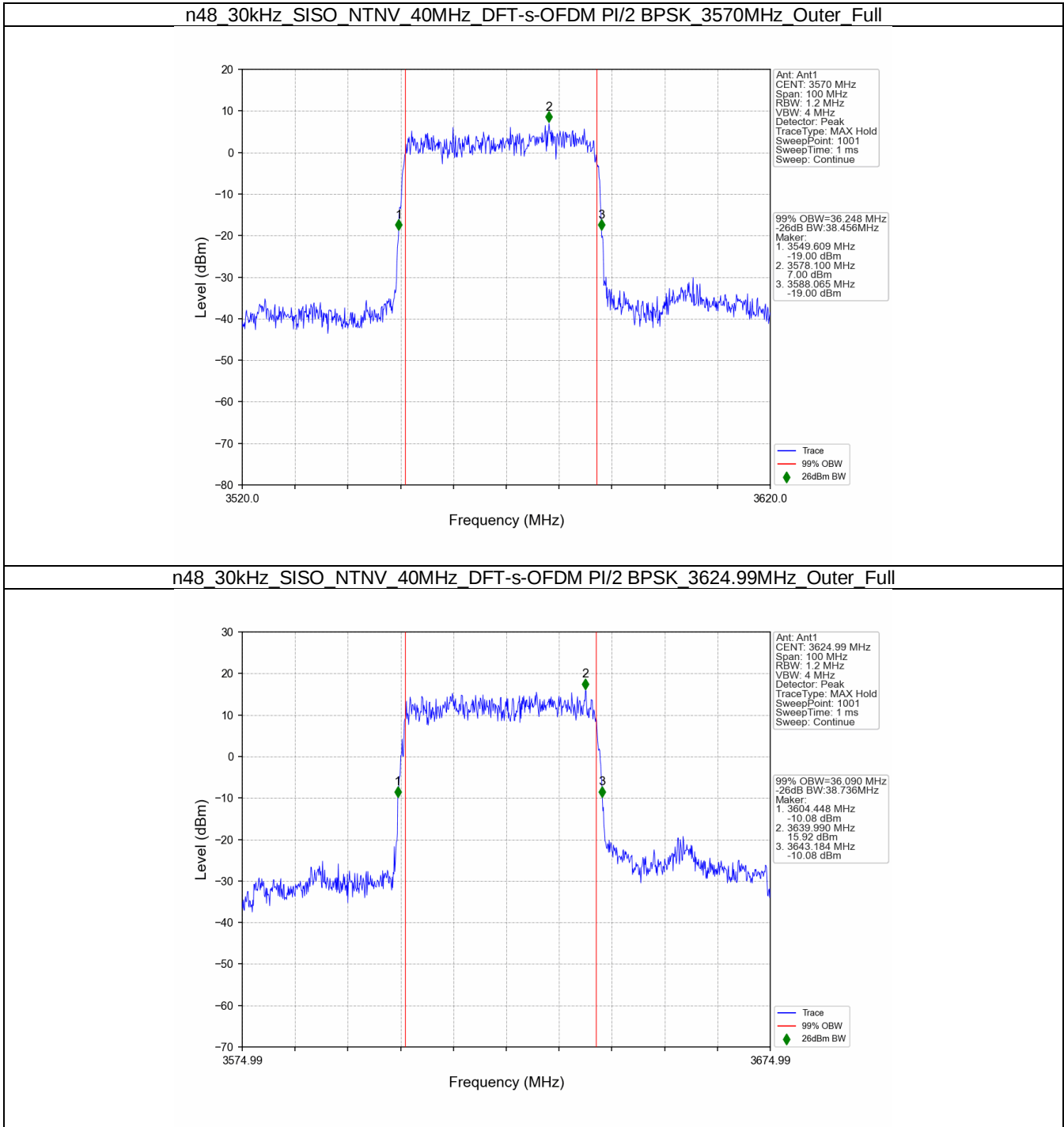


1.2 30k_SISO_40MHz_NTNV

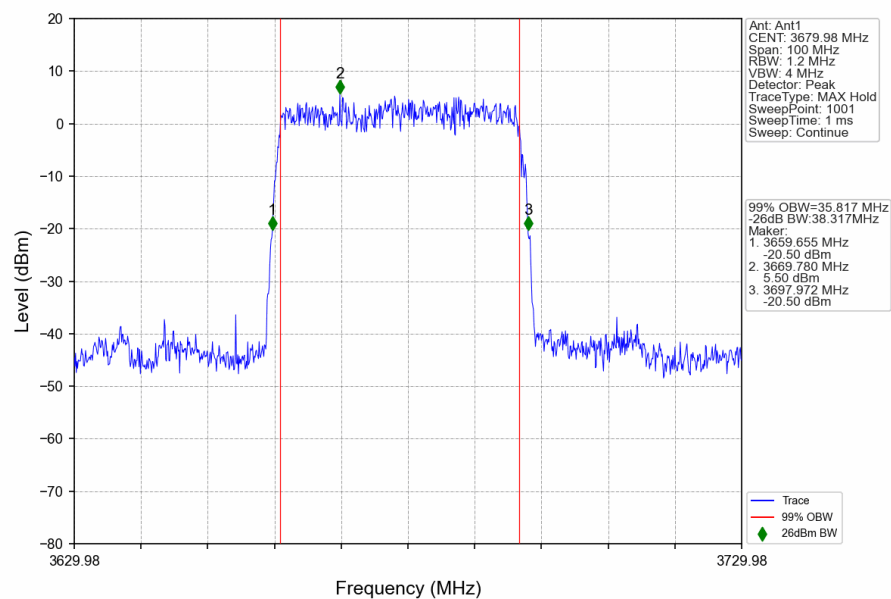
1.2.1 Test Result

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	36.25	38.46	/	Pass
	3624.99	Outer_Full	36.09	38.74	/	Pass
	3679.98	Outer_Full	35.82	38.32	/	Pass
DFT-s-OFDM QPSK	3570	Outer_Full	36.19	38.42	/	Pass
	3624.99	Outer_Full	36.01	38.73	/	Pass
	3679.98	Outer_Full	35.91	38.48	/	Pass
DFT-s-OFDM 16 QAM	3570	Outer_Full	36.24	38.61	/	Pass
	3624.99	Outer_Full	36.06	38.48	/	Pass
	3679.98	Outer_Full	36.06	38.76	/	Pass
DFT-s-OFDM 64 QAM	3570	Outer_Full	36.03	38.69	/	Pass
	3624.99	Outer_Full	35.98	38.37	/	Pass
	3679.98	Outer_Full	36.02	38.51	/	Pass
DFT-s-OFDM 256 QAM	3570	Outer_Full	35.97	38.65	/	Pass
	3624.99	Outer_Full	36.06	38.56	/	Pass
	3679.98	Outer_Full	35.85	38.52	/	Pass
CP-OFDM QPSK	3570	Outer_Full	38.11	40.73	/	Pass
	3624.99	Outer_Full	38.30	40.59	/	Pass
	3679.98	Outer_Full	37.95	40.68	/	Pass
CP-OFDM 16 QAM	3570	Outer_Full	38.20	40.68	/	Pass
	3624.99	Outer_Full	37.91	40.75	/	Pass
	3679.98	Outer_Full	37.88	40.53	/	Pass
CP-OFDM 64 QAM	3570	Outer_Full	38.12	40.65	/	Pass
	3624.99	Outer_Full	38.34	40.59	/	Pass
	3679.98	Outer_Full	38.05	40.74	/	Pass
CP-OFDM 256 QAM	3570	Outer_Full	38.27	40.83	/	Pass
	3624.99	Outer_Full	37.74	40.65	/	Pass
	3679.98	Outer_Full	38.10	40.52	/	Pass

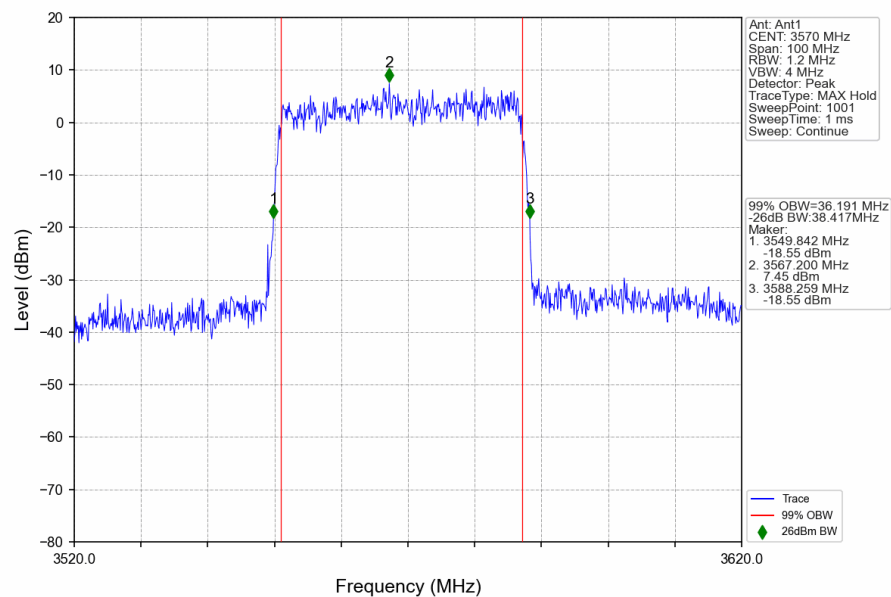
1.2.2 Test Graph



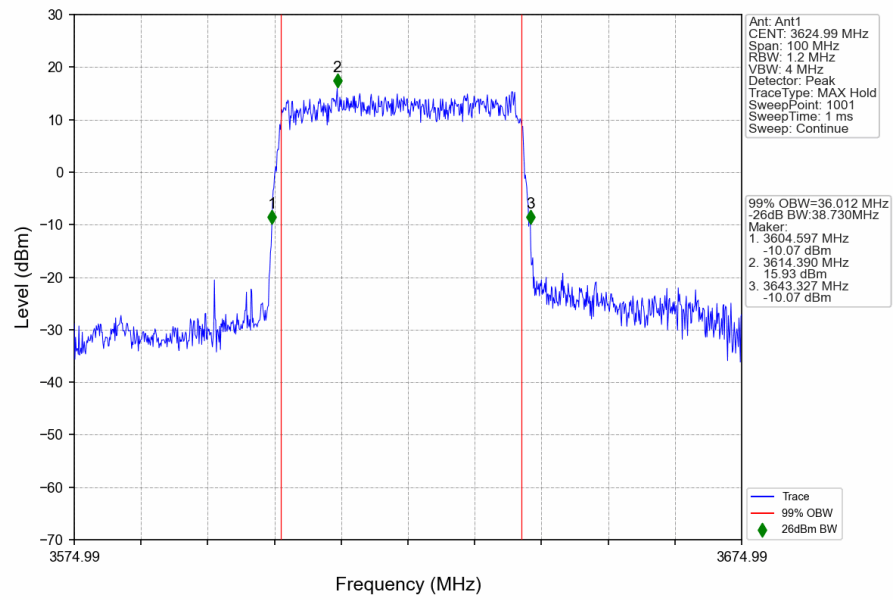
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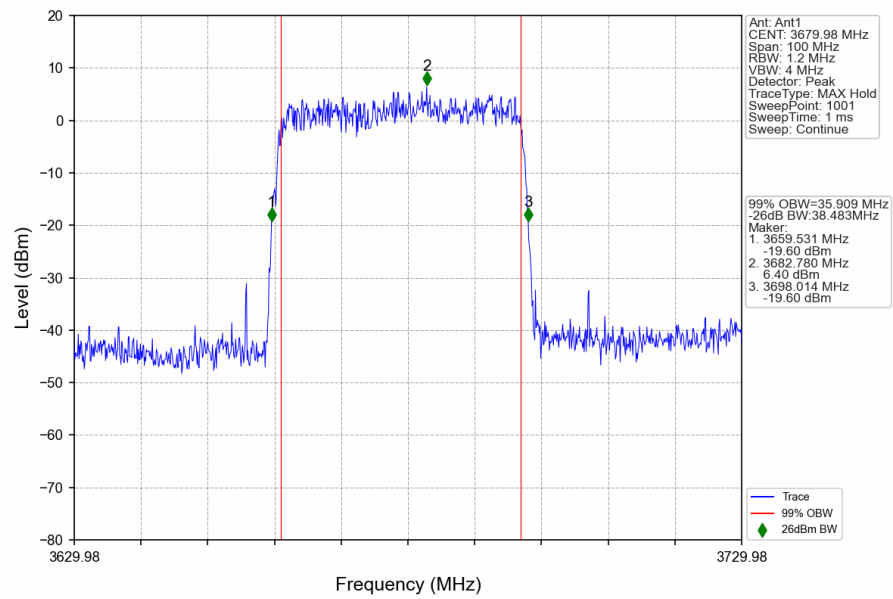
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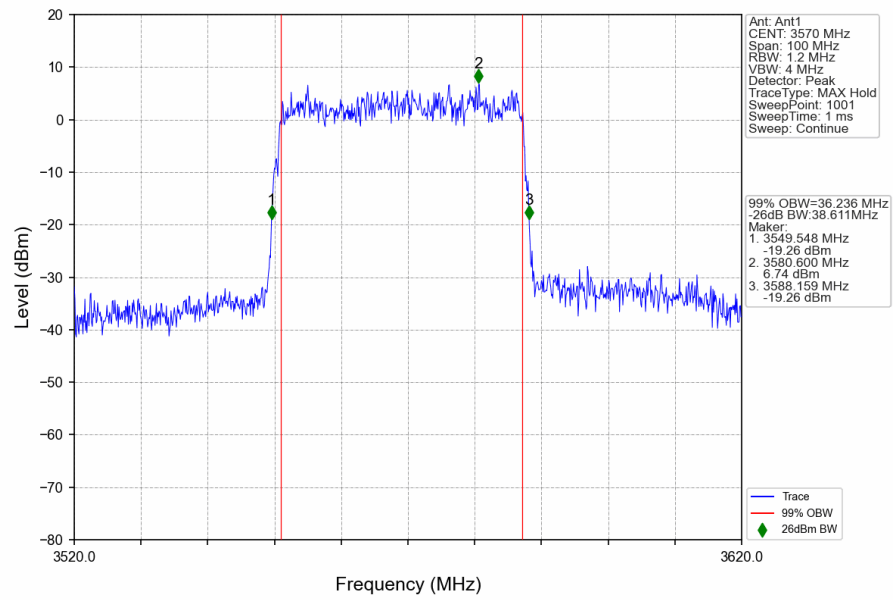
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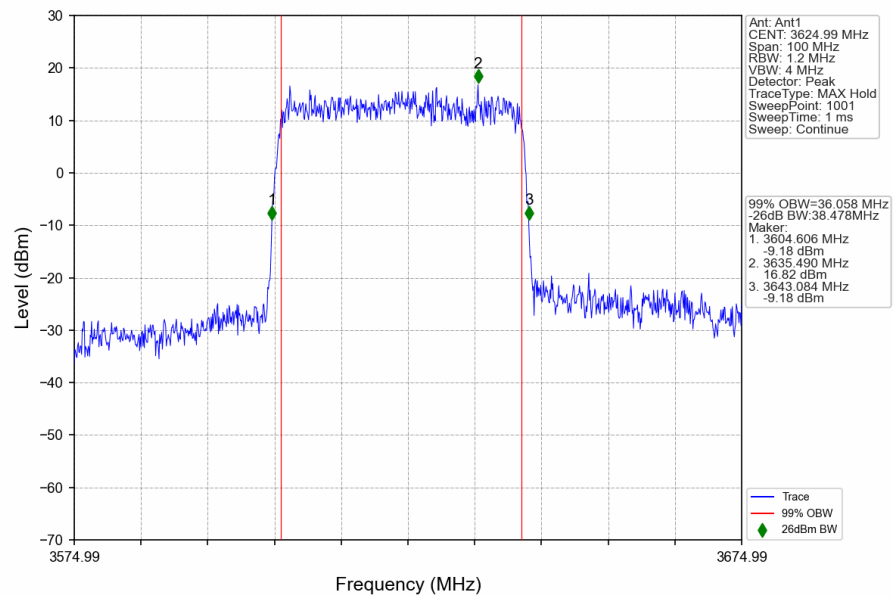
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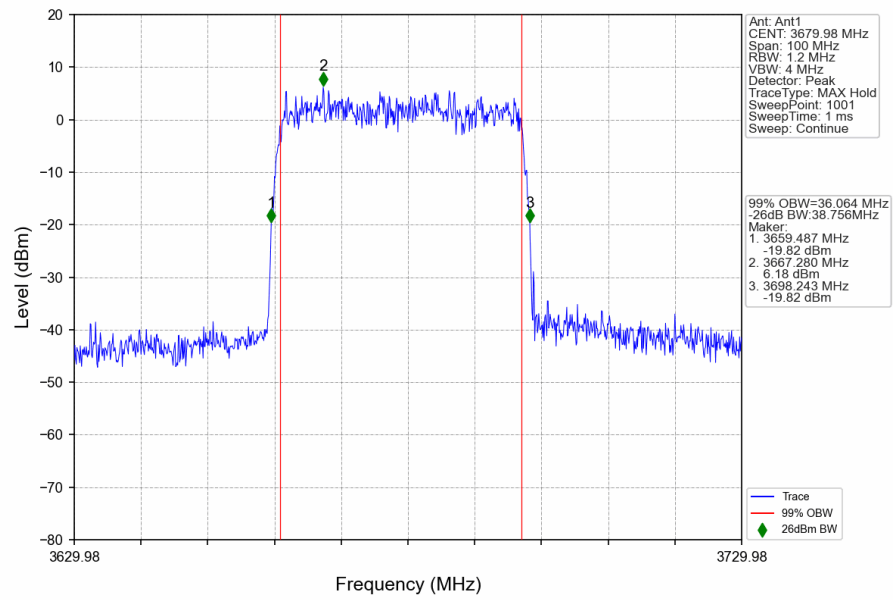
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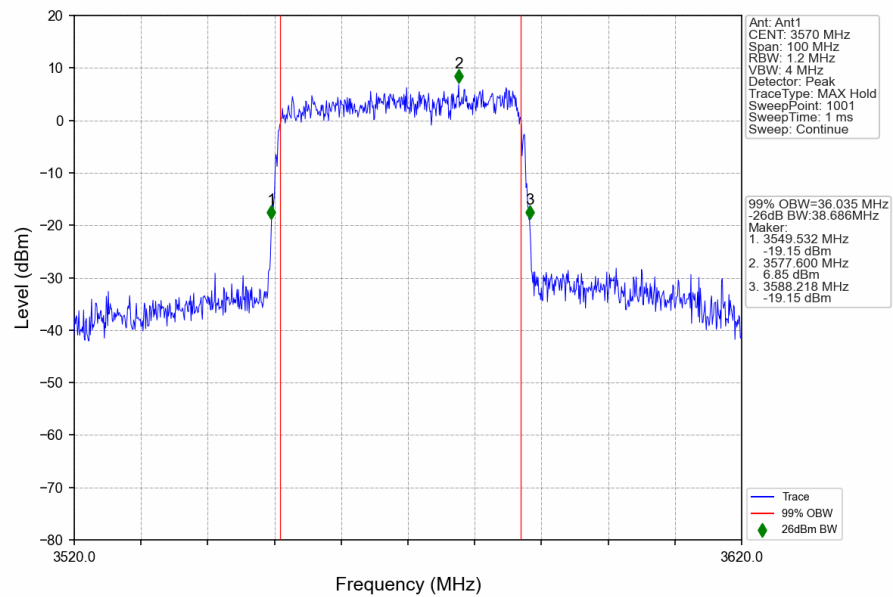
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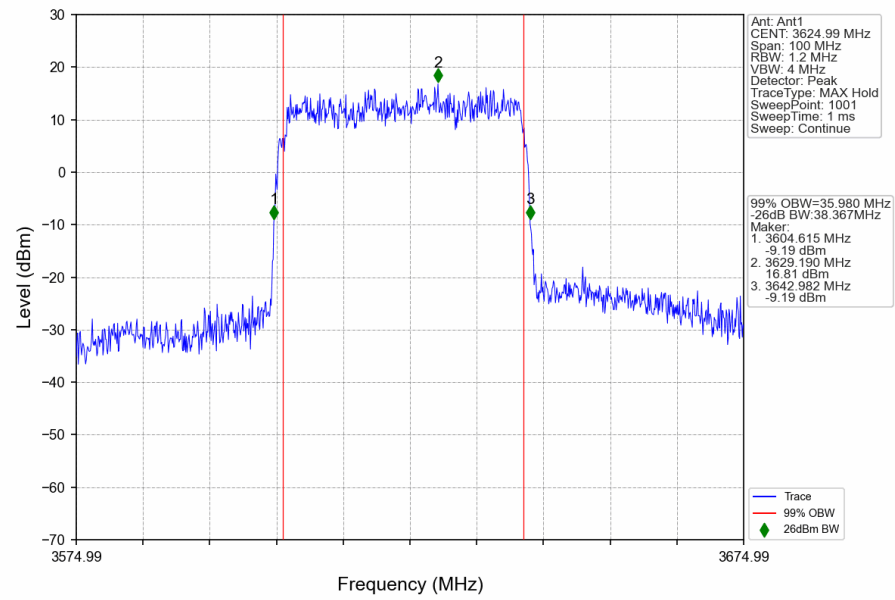
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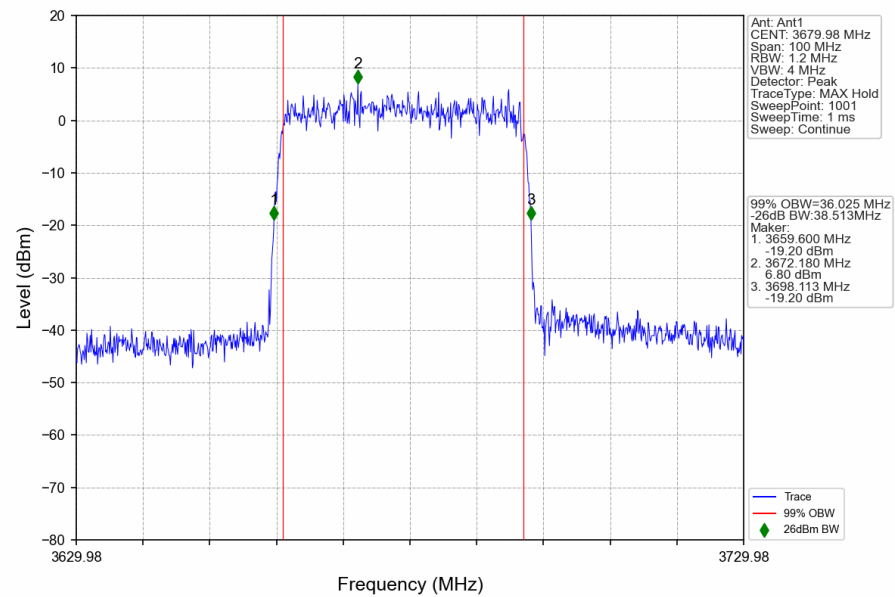
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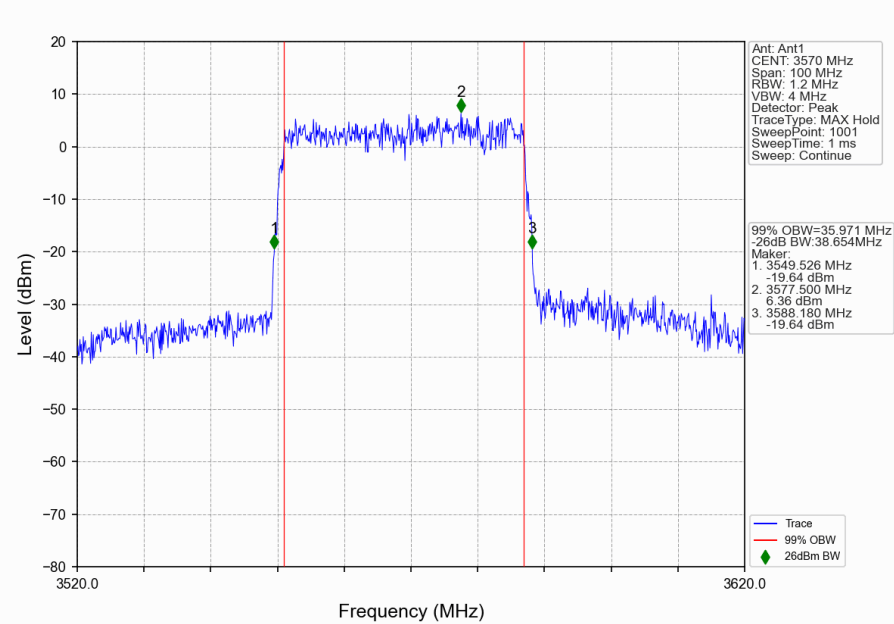
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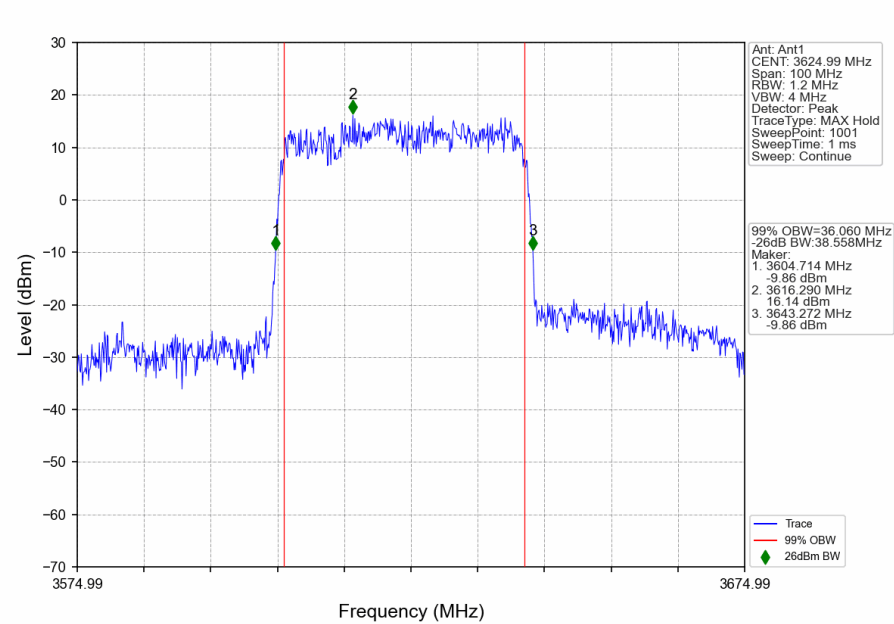
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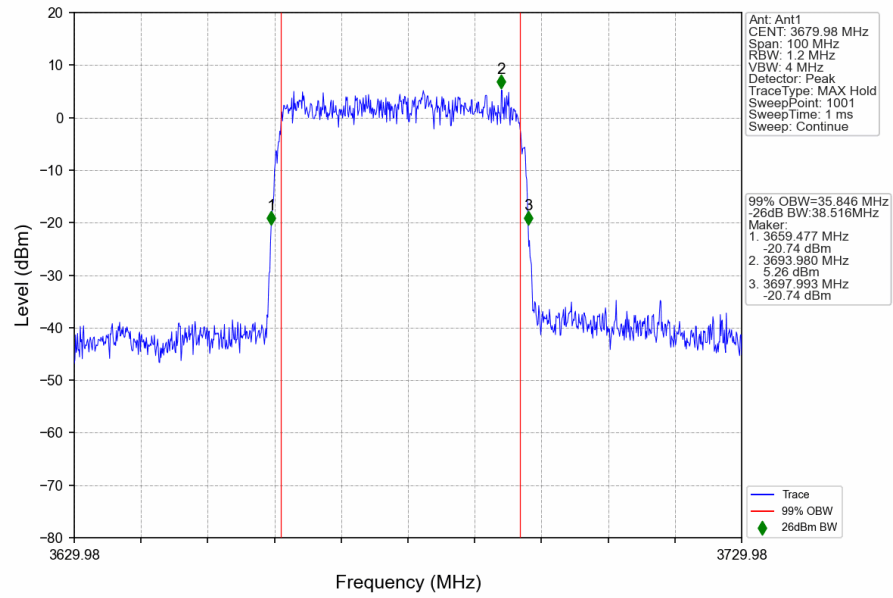
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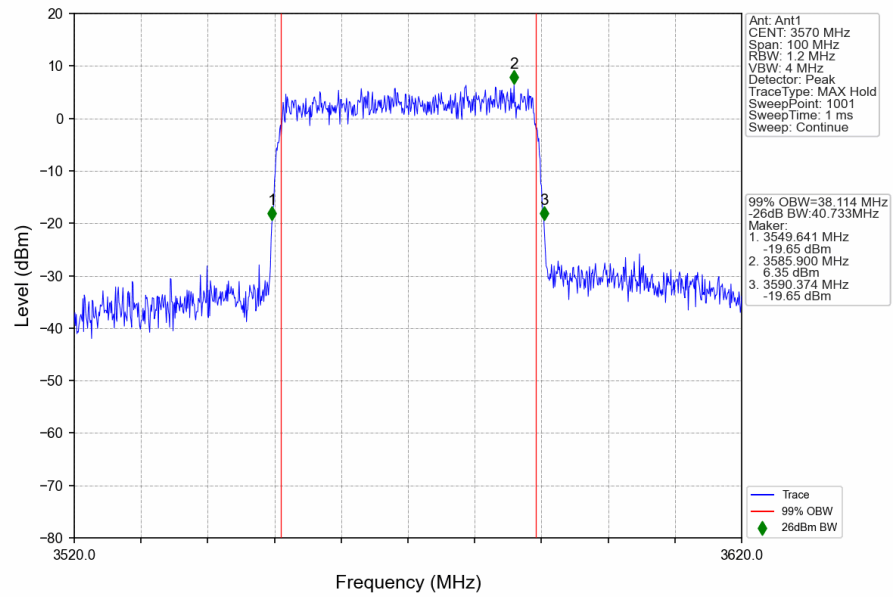
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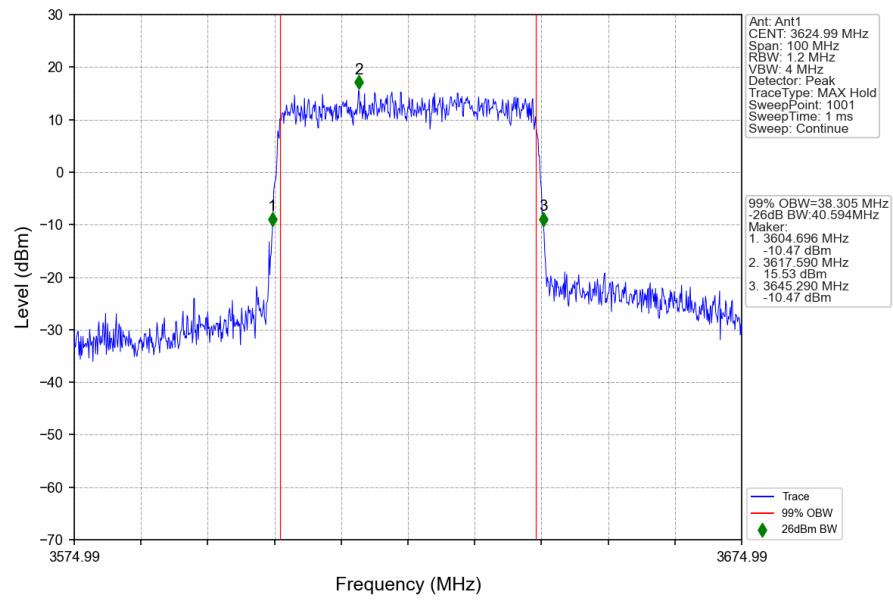
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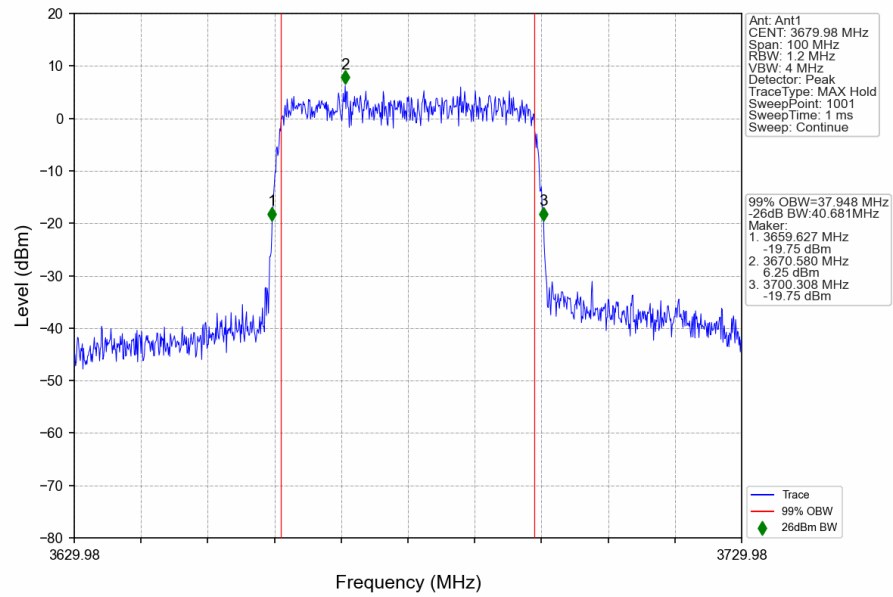
n48_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3570MHz_Outer_Full



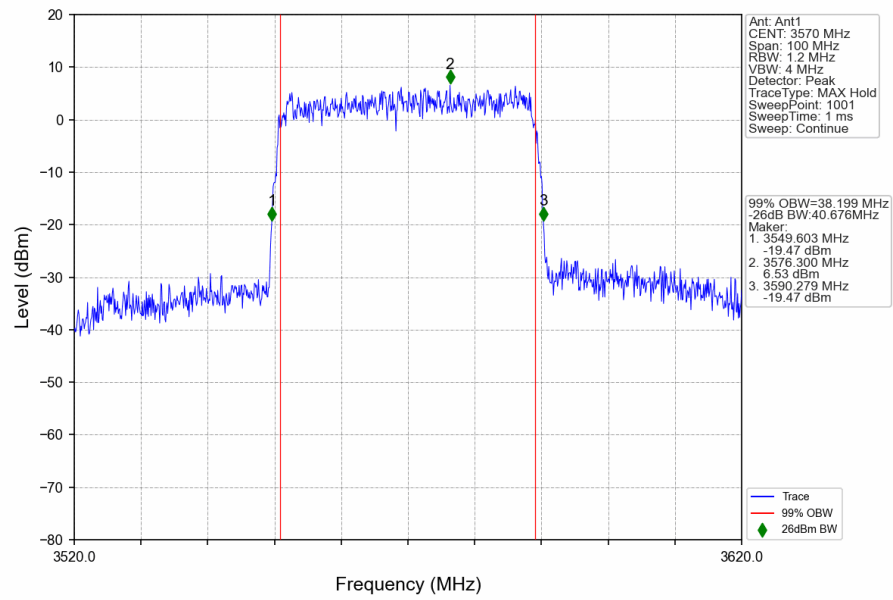
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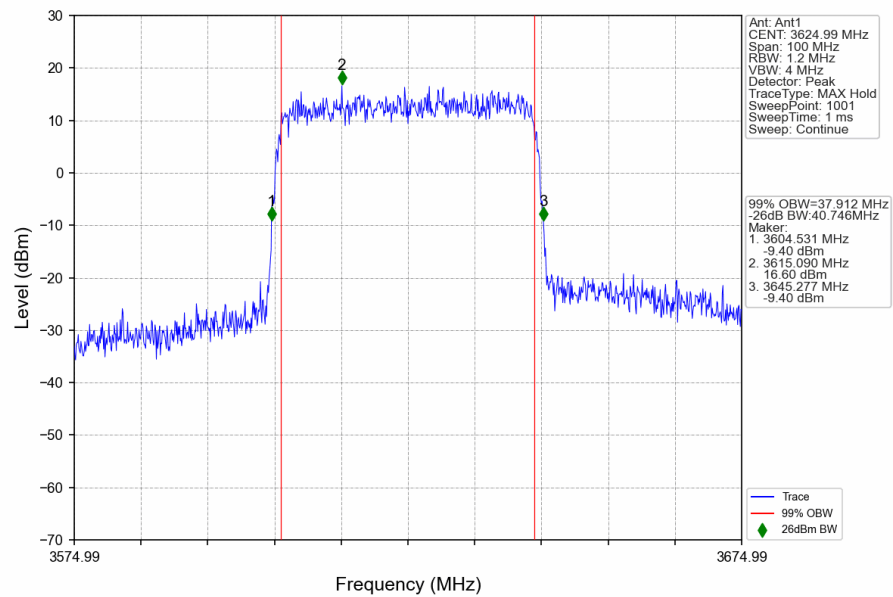
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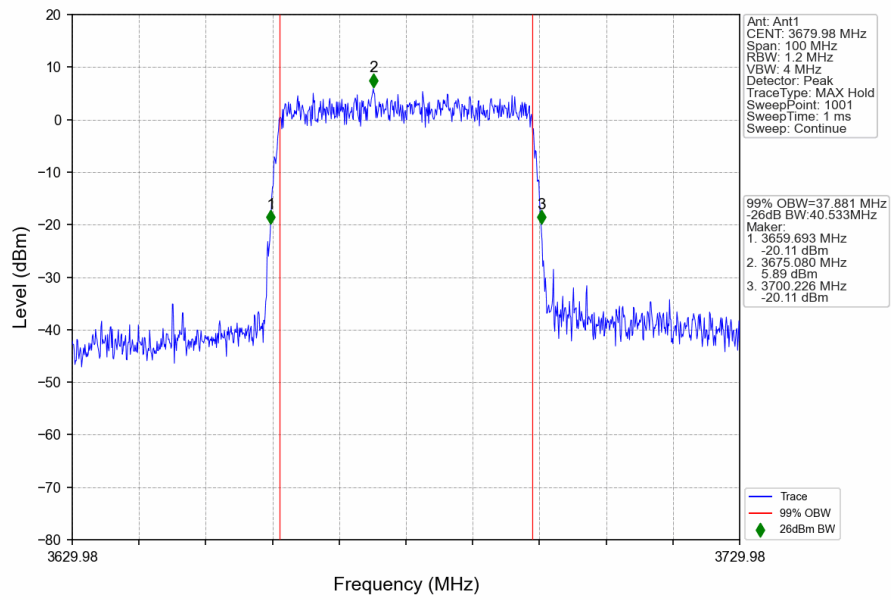
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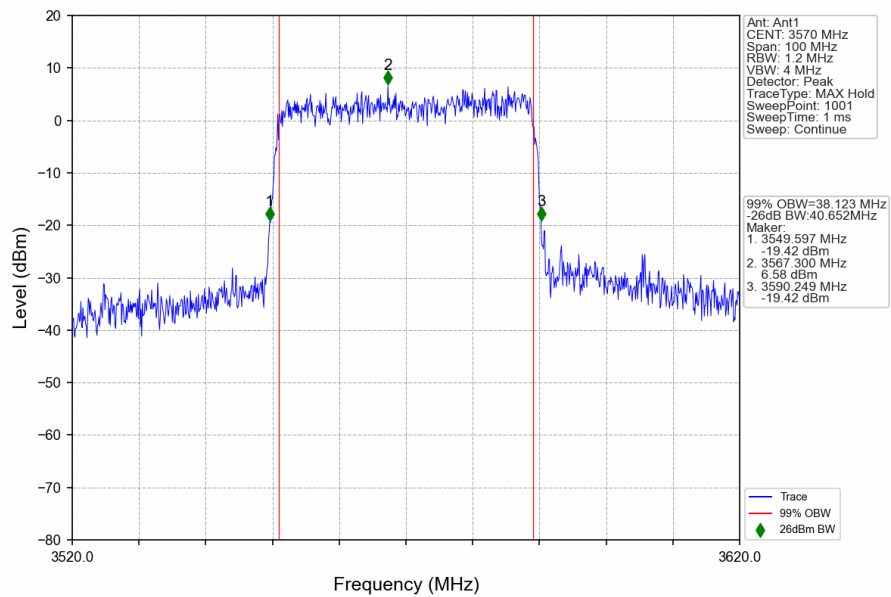
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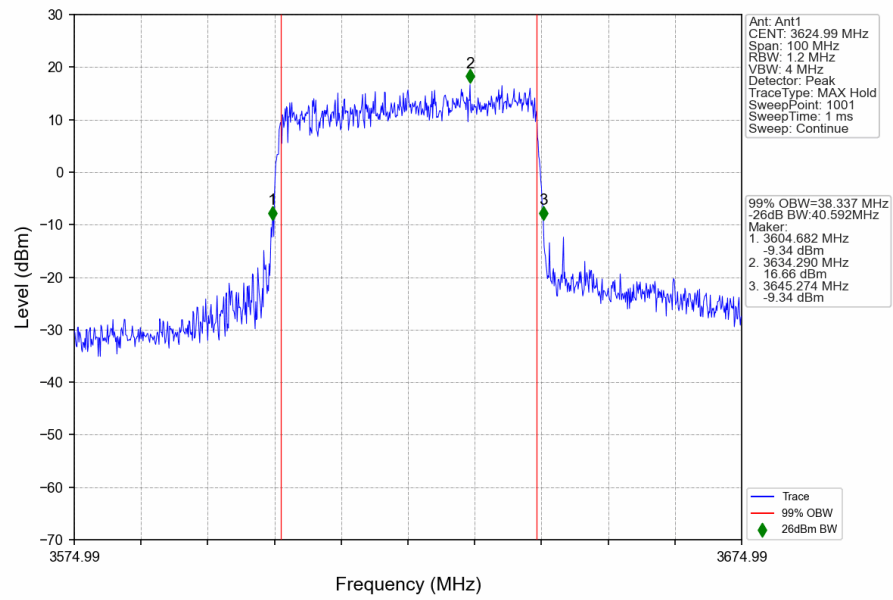
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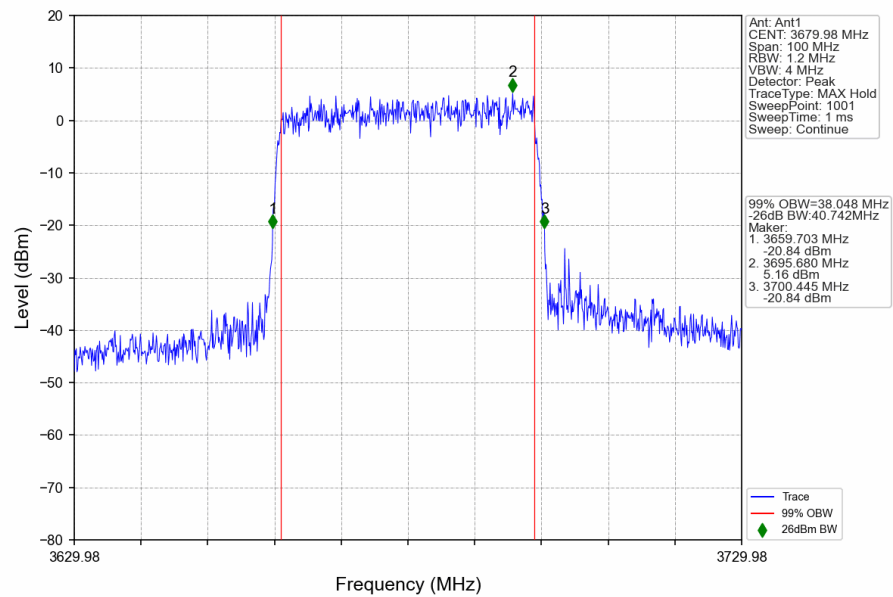
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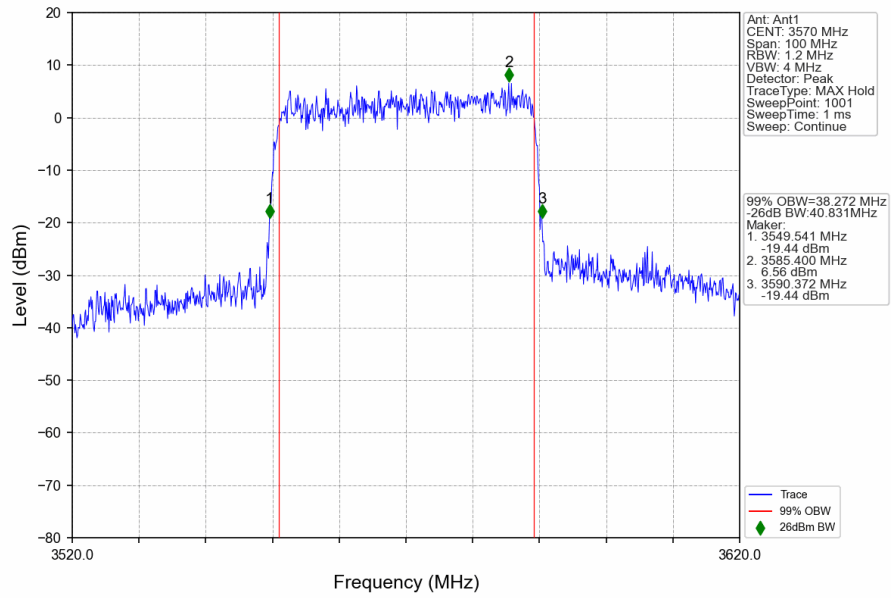
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n48_30kHz_SISO_NTNV_40MHz_CP-OFDM_64_QAM_3679.98MHz_Outer_Full



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

