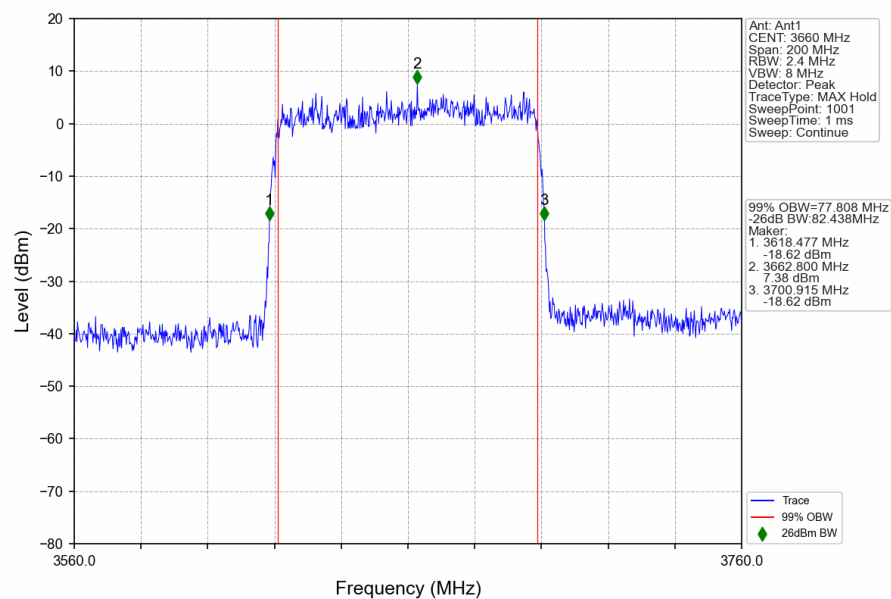
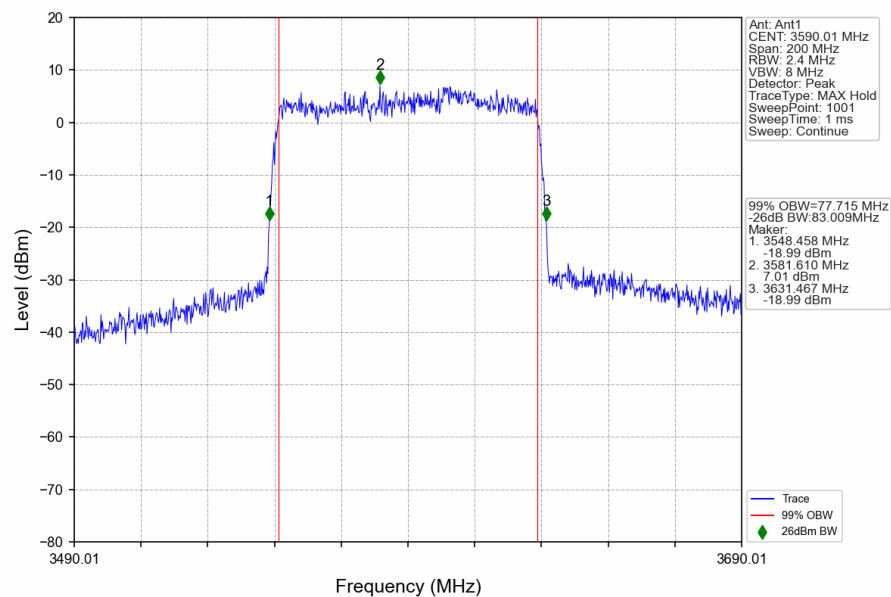


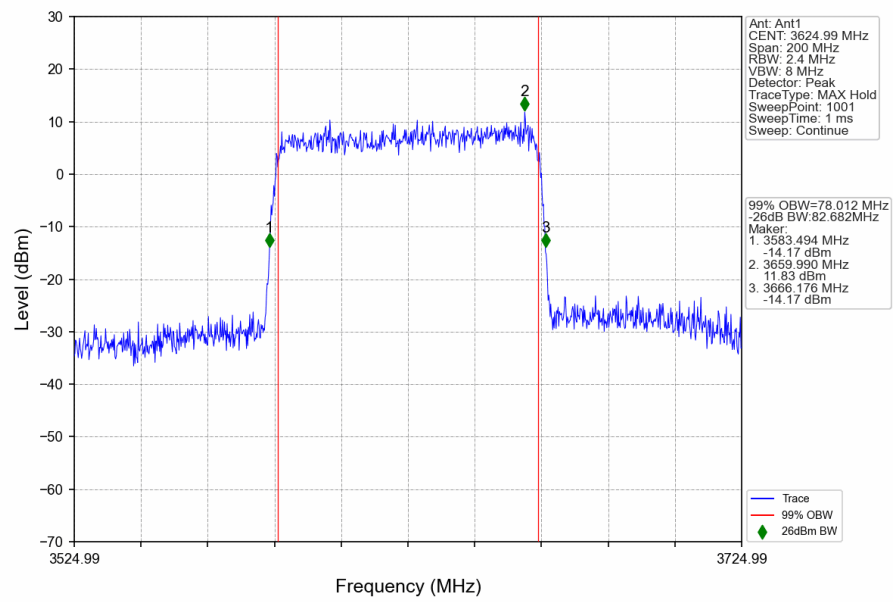
n78d_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_256_QAM_3660MHz_Outer_Full



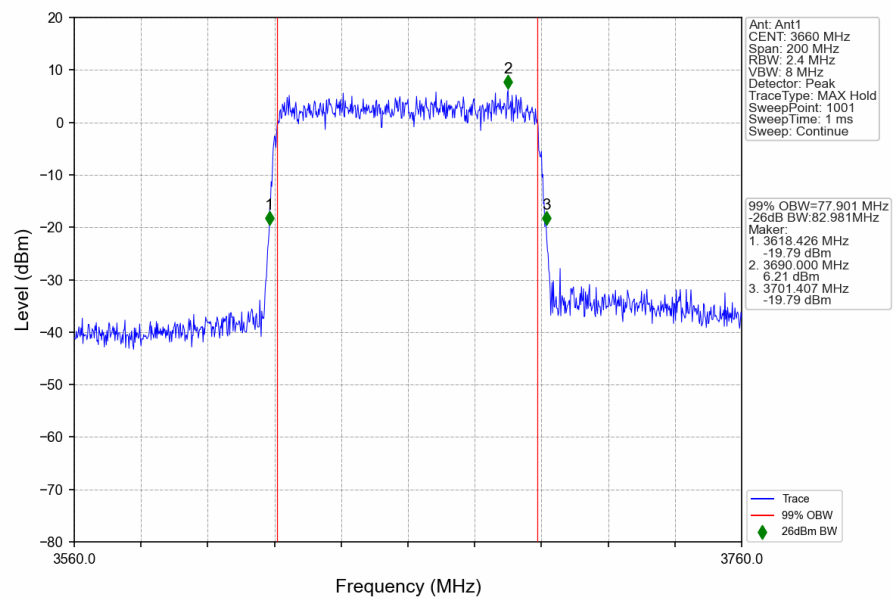
n78d_30kHz_SISO_NTNV_80MHz_CP-OFDM_QPSK_3590.01MHz_Outer_Full



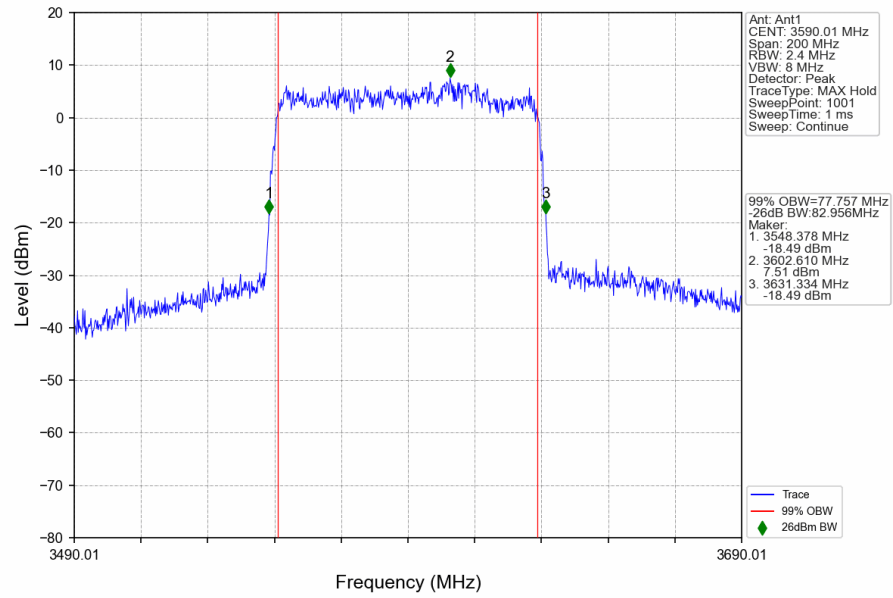
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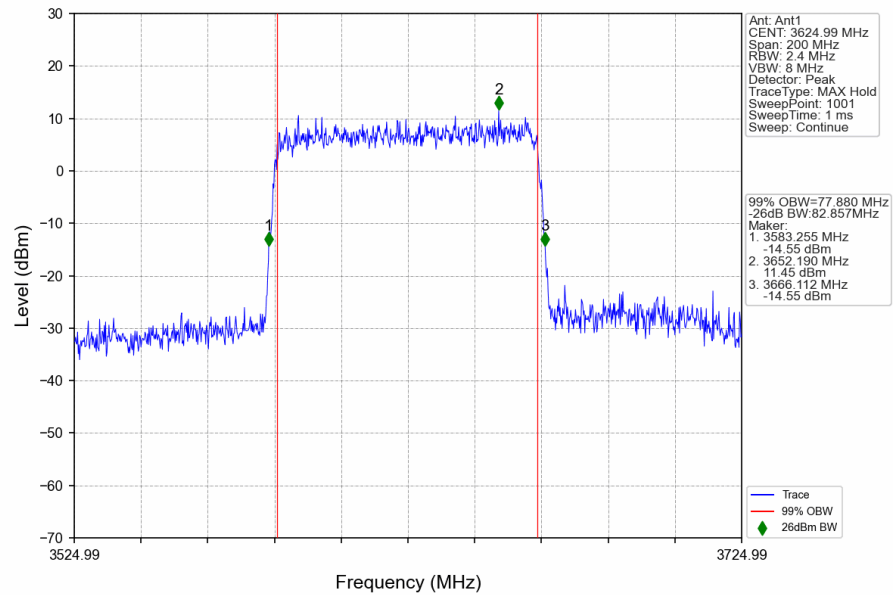
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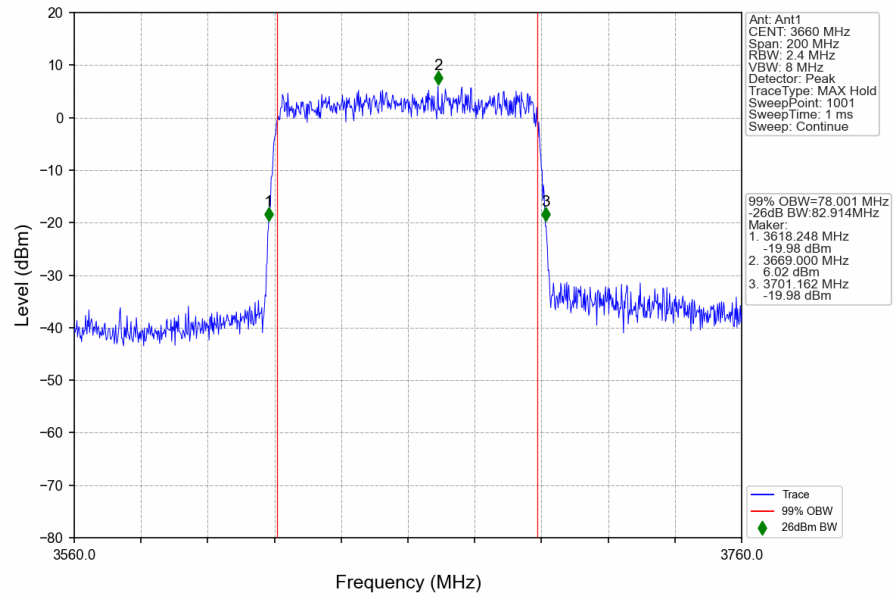
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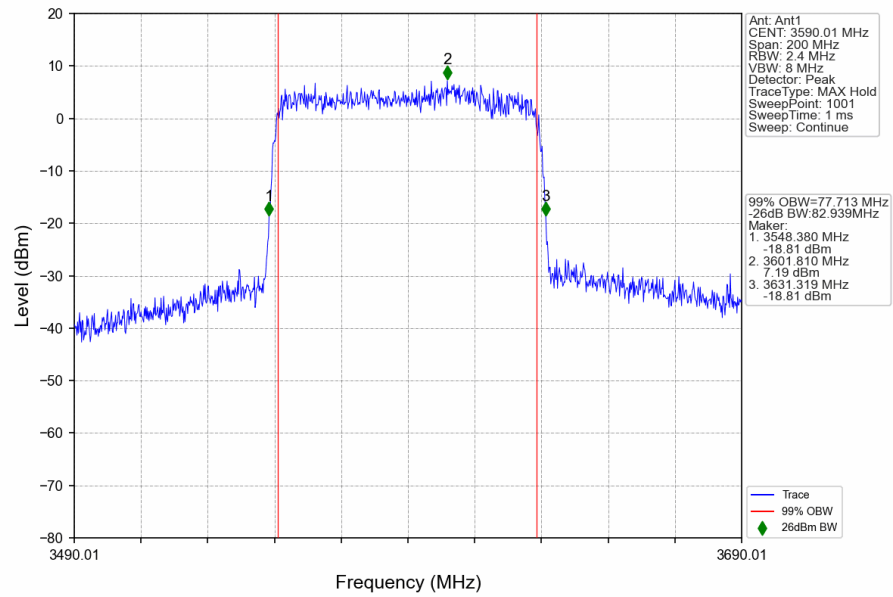
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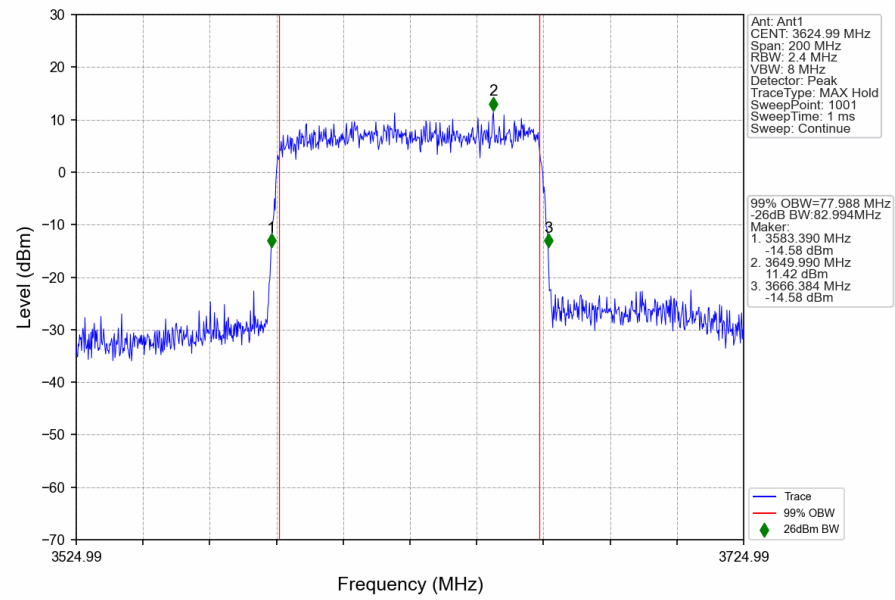
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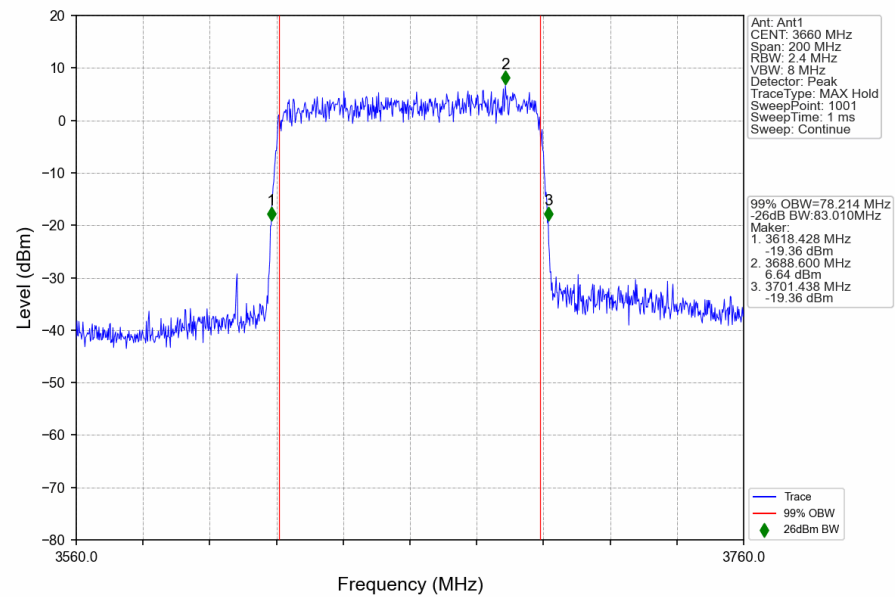
n78d_30kHz_SISO_NTNV_80MHz_CP-OFDM 64 QAM 3590.01MHz_Outer_Full



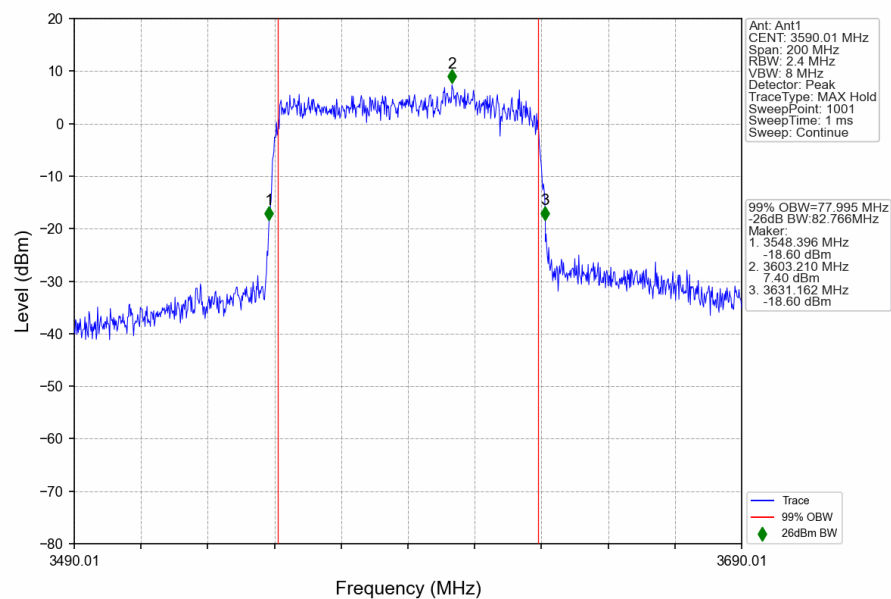
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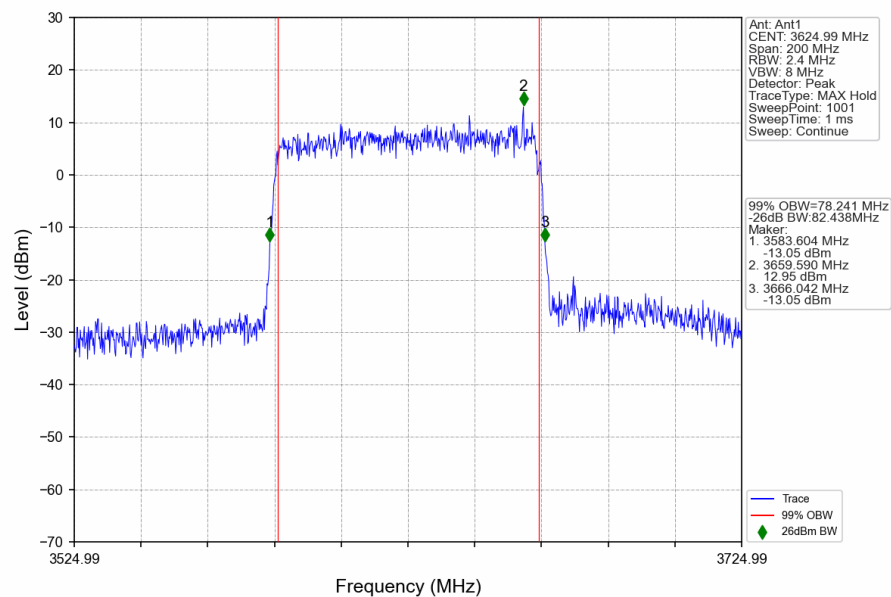
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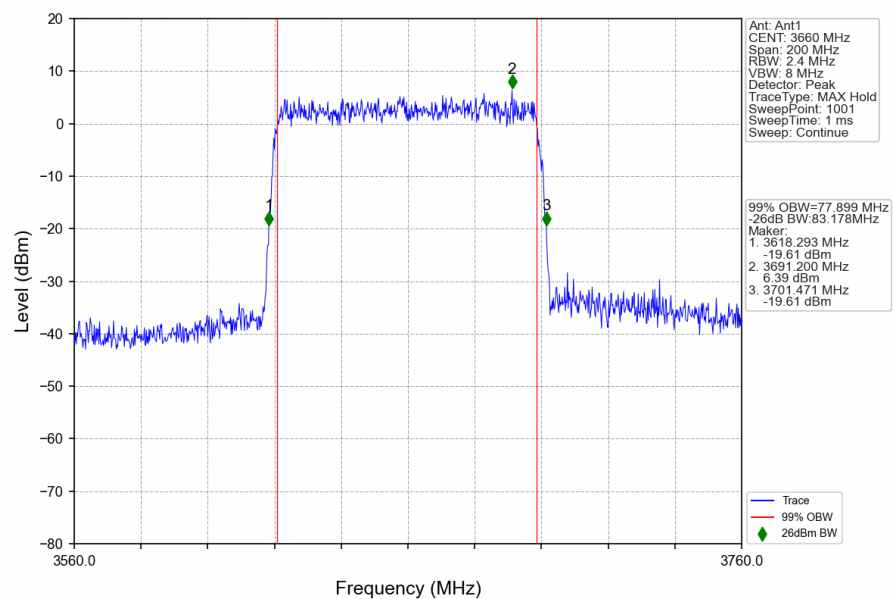
n78d_30kHz_SISO_NTNV_80MHz_CP-OFDM_256_QAM_3590.01MHz_Outer_Full



n78d_30kHz_SISO_NTNV_80MHz_CP-OFDM_256_QAM_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_80MHz_CP-OFDM_256_QAM_3660MHz_Outer_Full

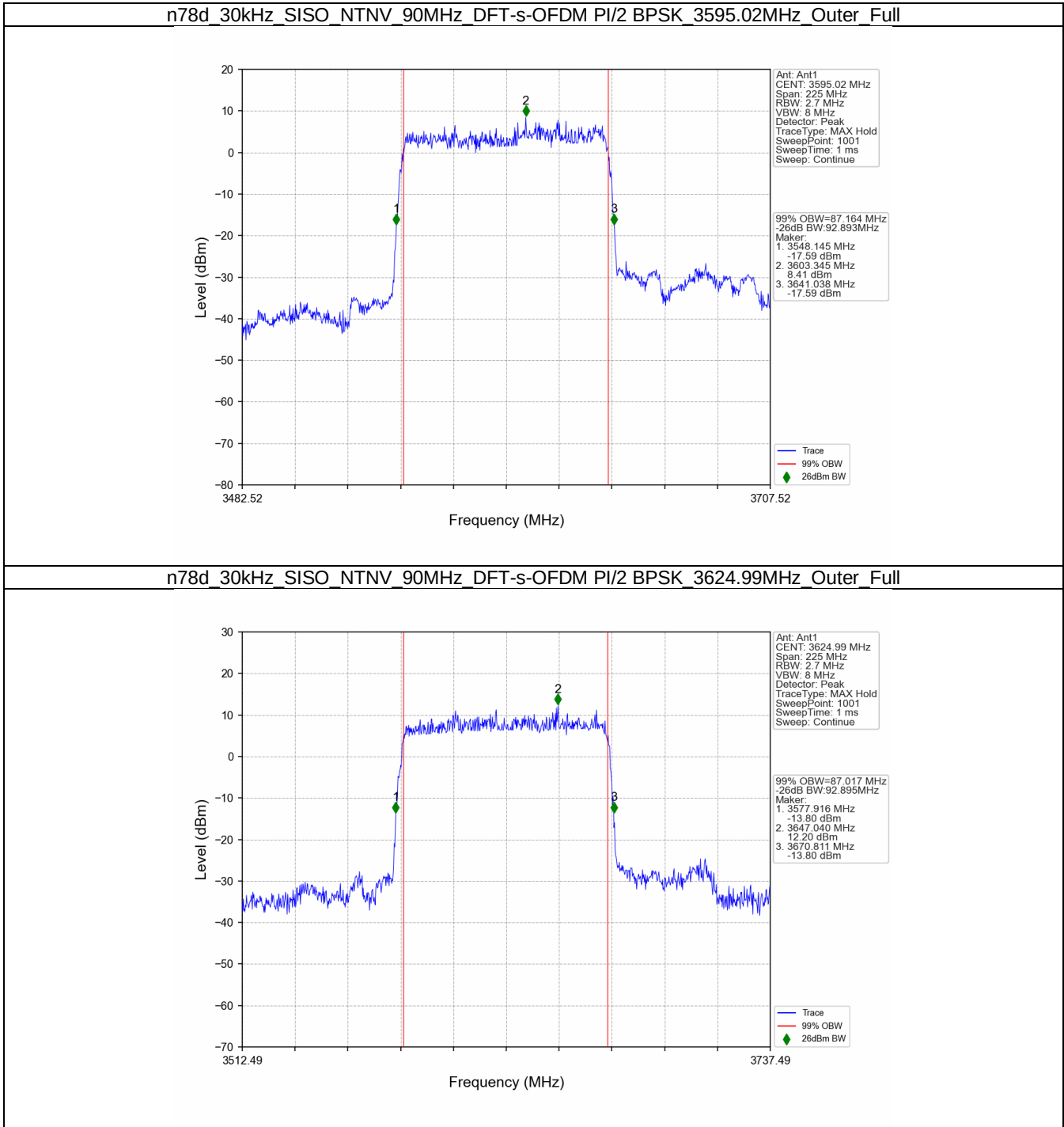


1.8 30k_SISO_90MHz_NTNV

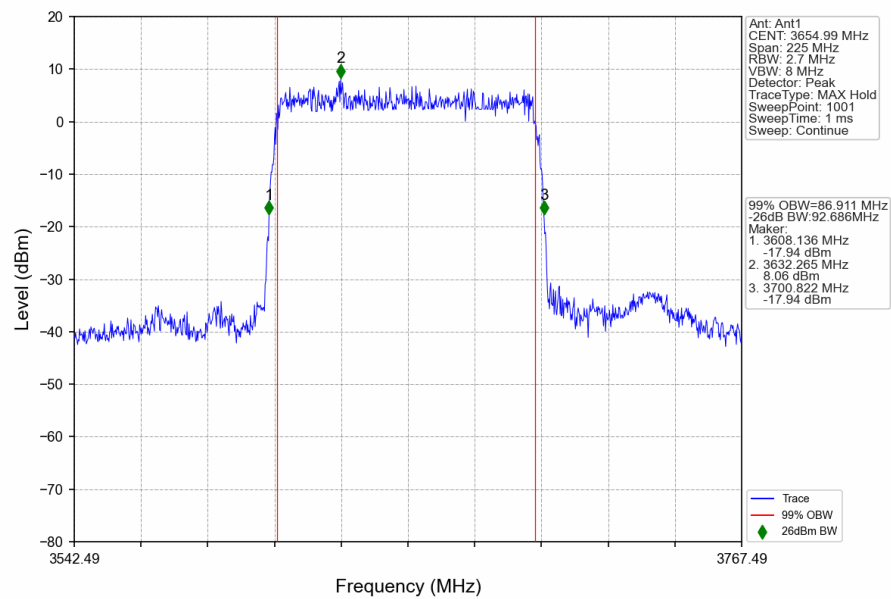
1.8.1 Test Result

5G NR n78d SCS=30kHz SISO 90MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3595.02	Outer_Full	87.16	92.89	/	Pass
	3624.99	Outer_Full	87.02	92.89	/	Pass
	3654.99	Outer_Full	86.91	92.69	/	Pass
DFT-s-OFDM QPSK	3595.02	Outer_Full	86.97	92.66	/	Pass
	3624.99	Outer_Full	86.79	93.09	/	Pass
	3654.99	Outer_Full	86.97	93.00	/	Pass
DFT-s-OFDM 16 QAM	3595.02	Outer_Full	87.69	92.67	/	Pass
	3624.99	Outer_Full	87.38	92.94	/	Pass
	3654.99	Outer_Full	87.93	93.16	/	Pass
DFT-s-OFDM 64 QAM	3595.02	Outer_Full	87.13	92.85	/	Pass
	3624.99	Outer_Full	87.27	92.86	/	Pass
	3654.99	Outer_Full	87.27	92.68	/	Pass
DFT-s-OFDM 256 QAM	3595.02	Outer_Full	86.99	92.77	/	Pass
	3624.99	Outer_Full	87.05	93.03	/	Pass
	3654.99	Outer_Full	86.87	92.77	/	Pass
CP-OFDM QPSK	3595.02	Outer_Full	87.71	93.53	/	Pass
	3624.99	Outer_Full	88.03	93.47	/	Pass
	3654.99	Outer_Full	88.09	93.02	/	Pass
CP-OFDM 16 QAM	3595.02	Outer_Full	88.24	93.15	/	Pass
	3624.99	Outer_Full	88.18	93.37	/	Pass
	3654.99	Outer_Full	88.03	93.37	/	Pass
CP-OFDM 64 QAM	3595.02	Outer_Full	87.79	93.55	/	Pass
	3624.99	Outer_Full	87.89	93.00	/	Pass
	3654.99	Outer_Full	87.71	93.94	/	Pass
CP-OFDM 256 QAM	3595.02	Outer_Full	88.09	93.34	/	Pass
	3624.99	Outer_Full	87.70	93.61	/	Pass
	3654.99	Outer_Full	87.98	93.93	/	Pass

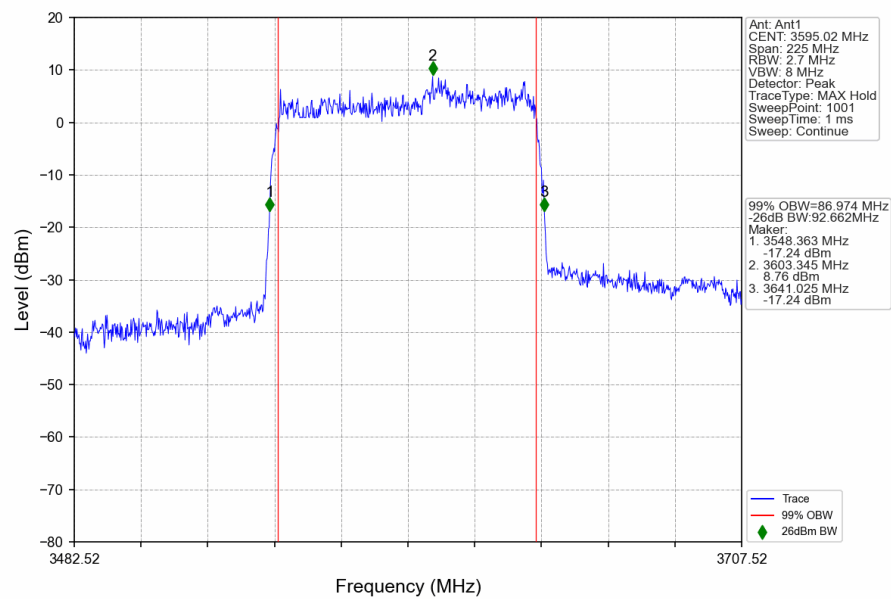
1.8.2 Test Graph



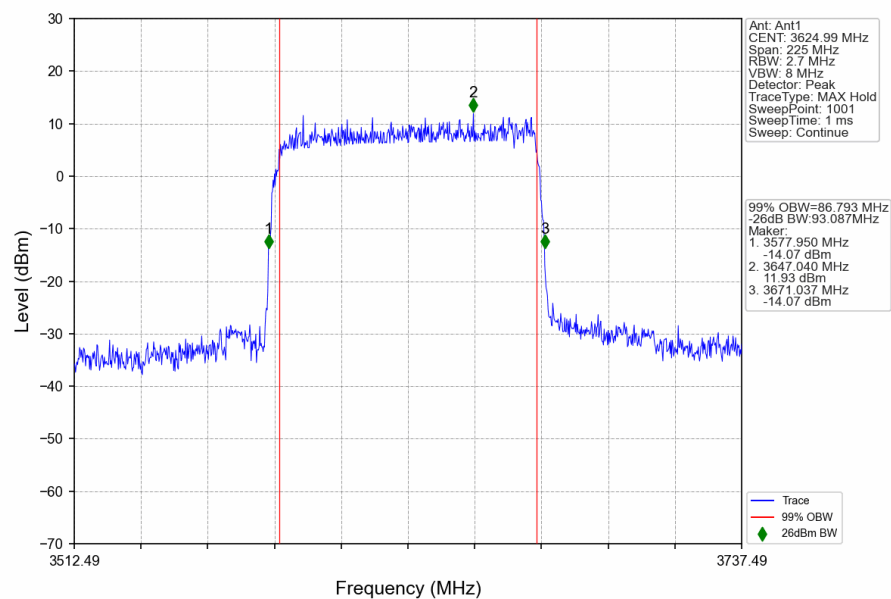
n78d_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_PI/2_BPSK_3654.99MHz_Outer_Full



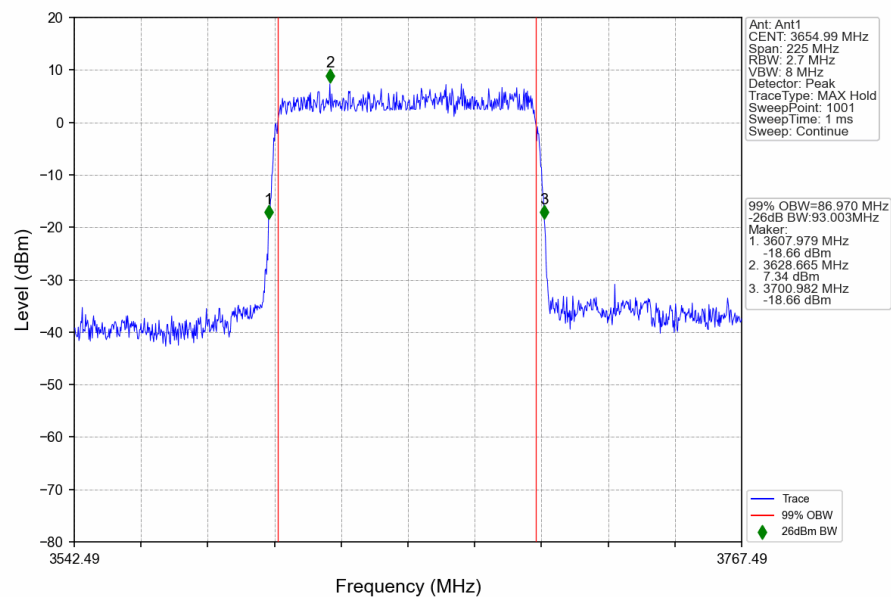
n78d_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_QPSK_3595.02MHz_Outer_Full



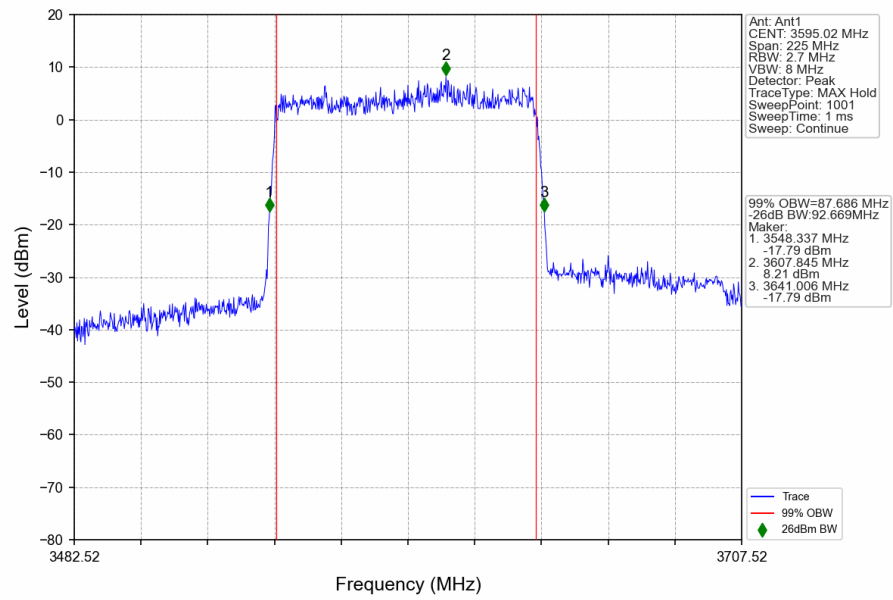
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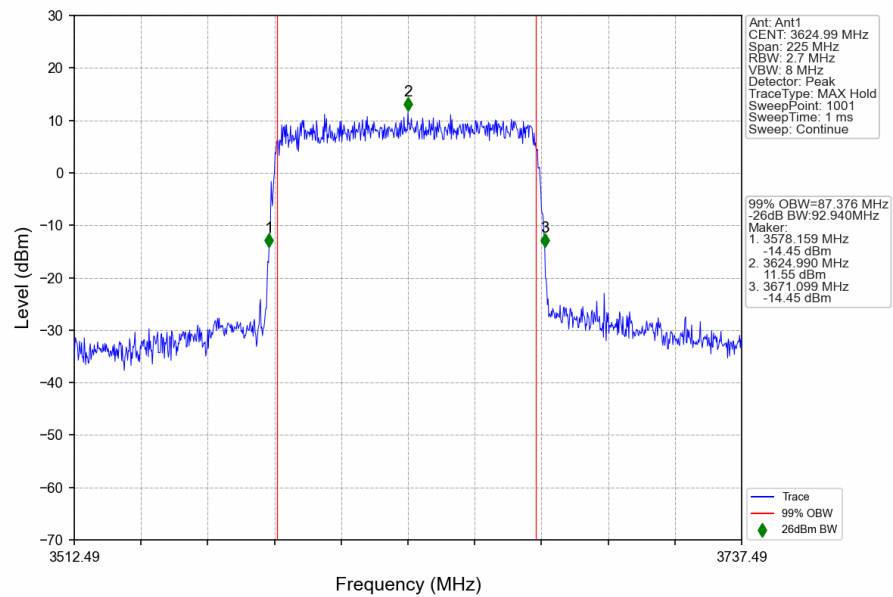
n78d_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_QPSK_3654.99MHz_Outer_Full



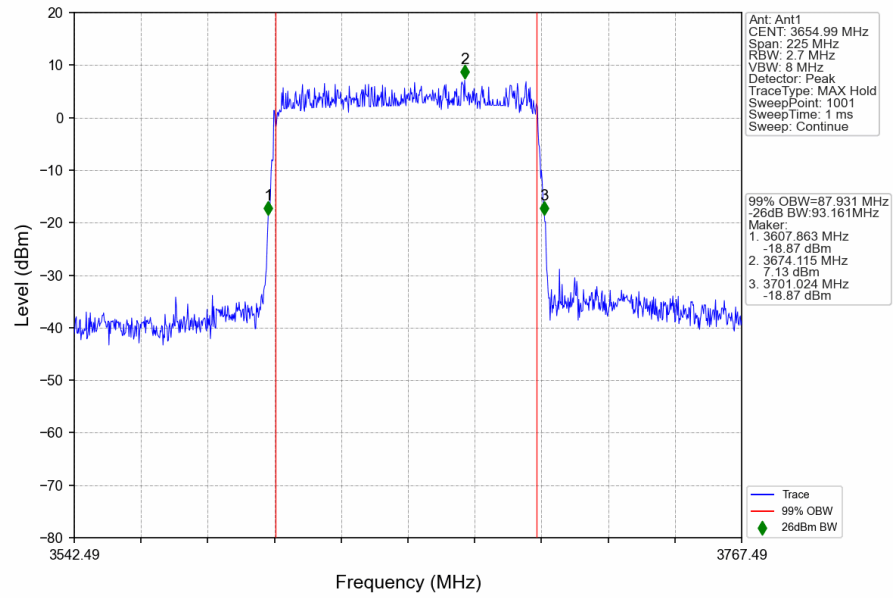
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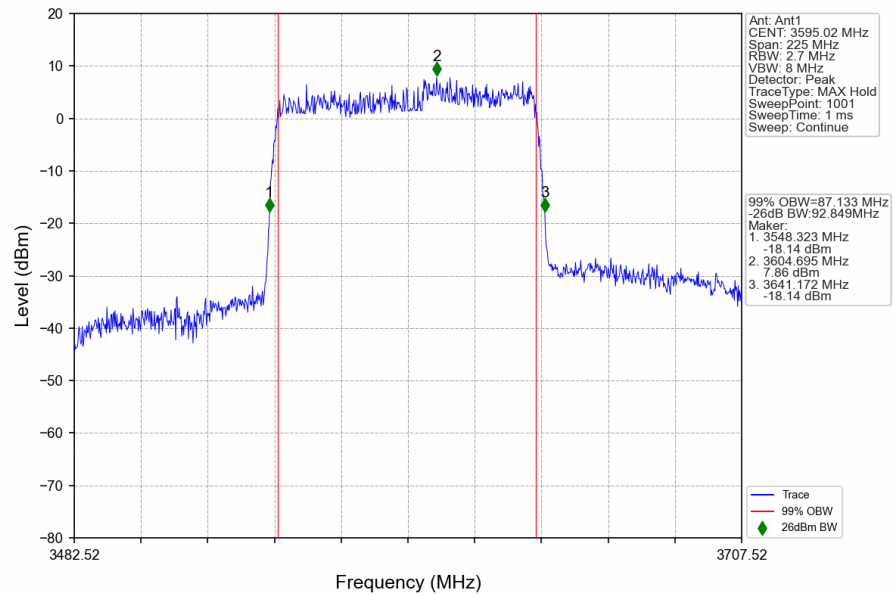
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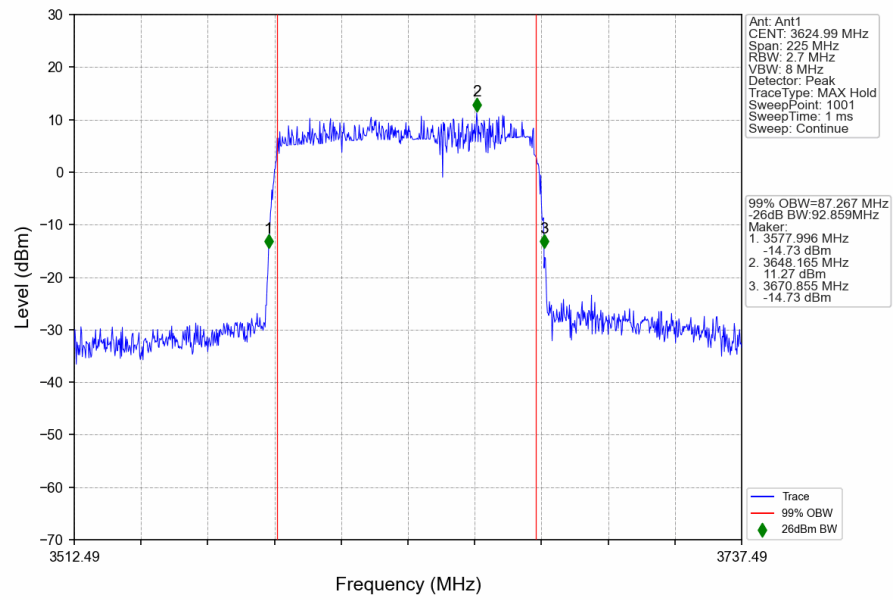
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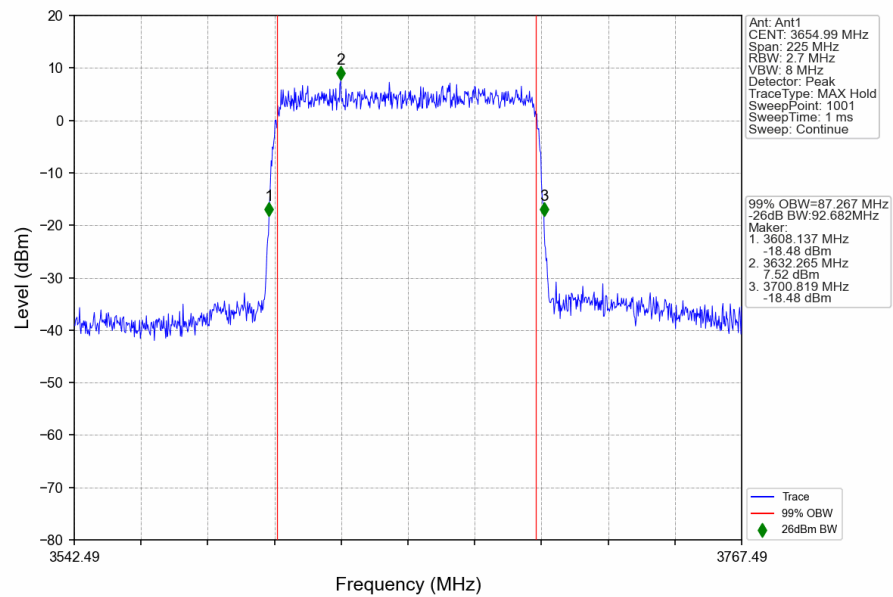
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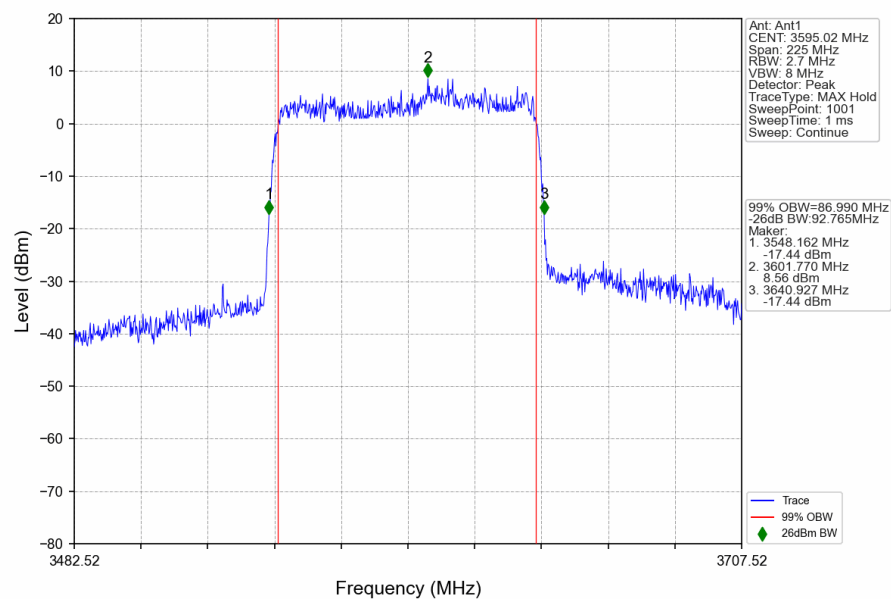
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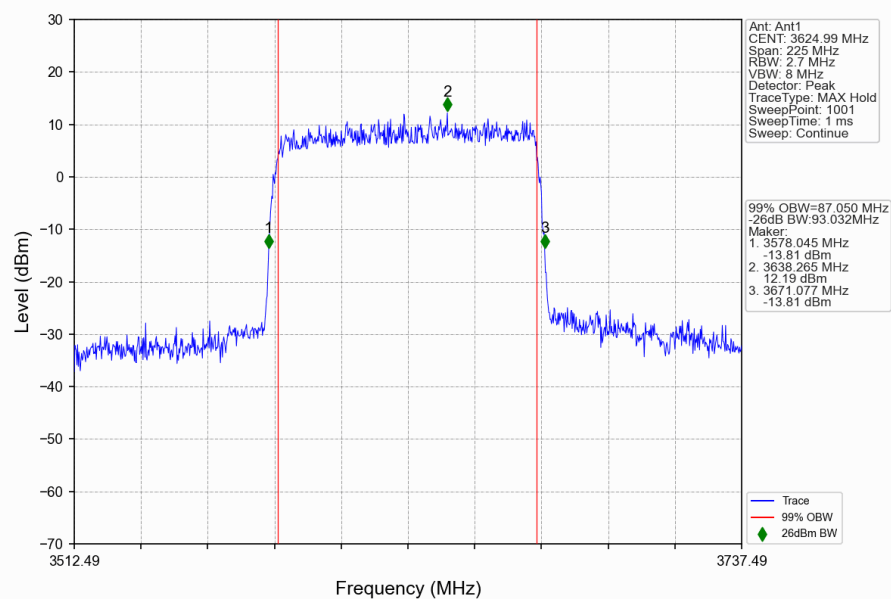
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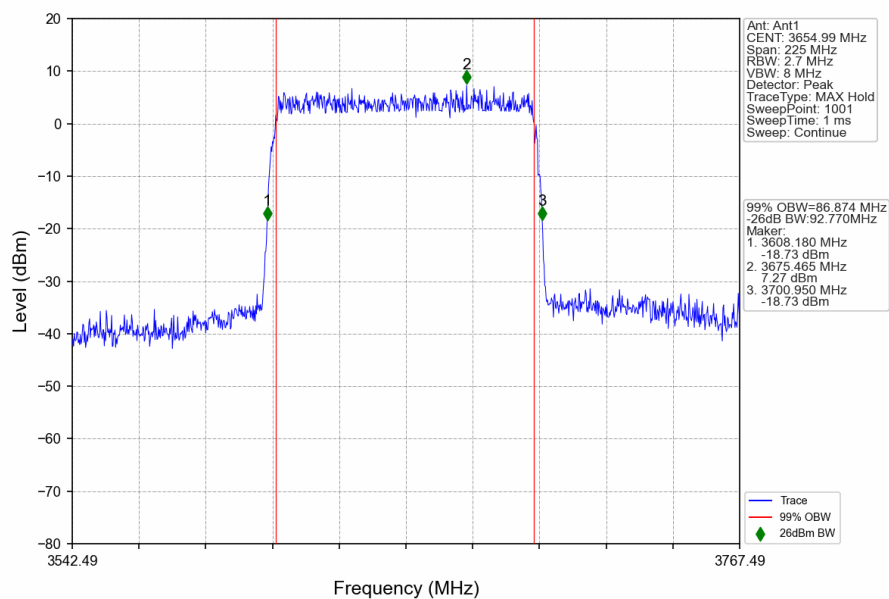
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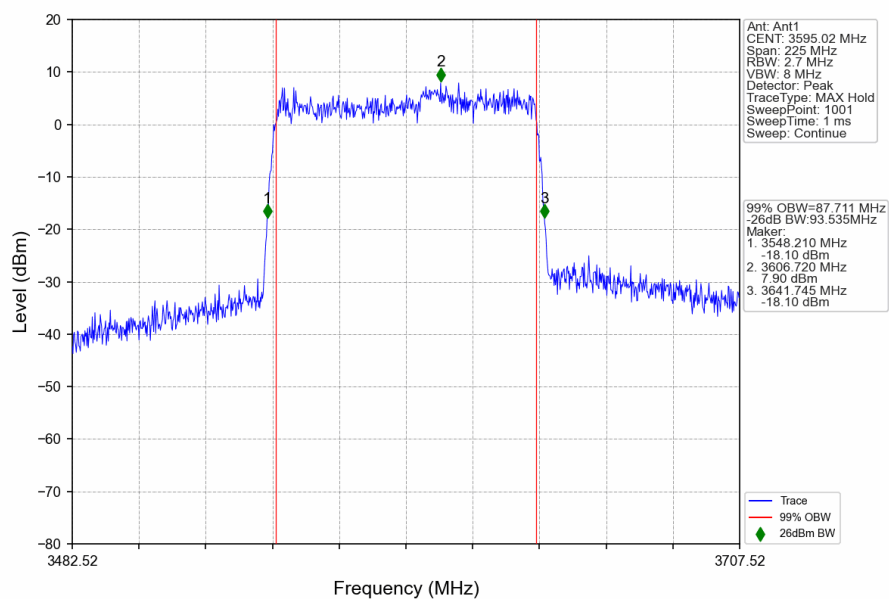
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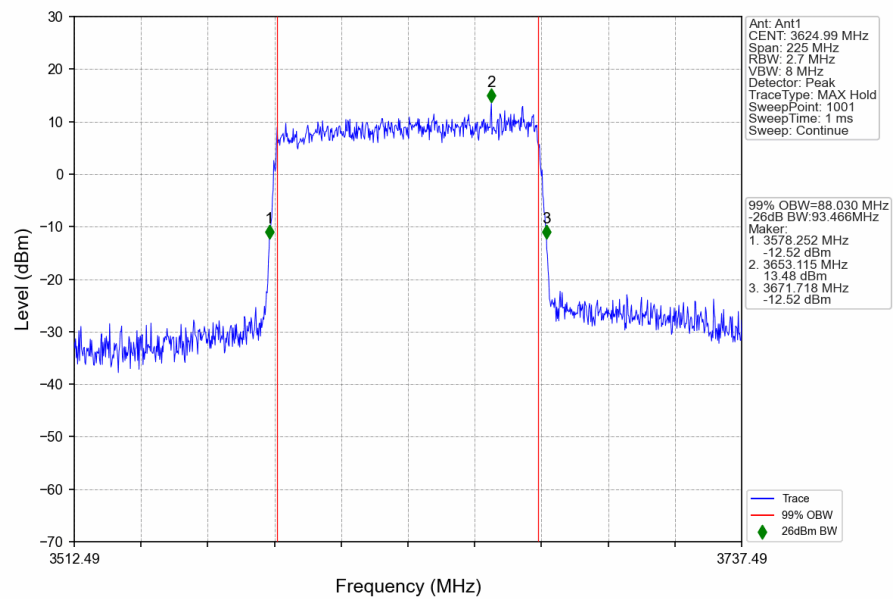
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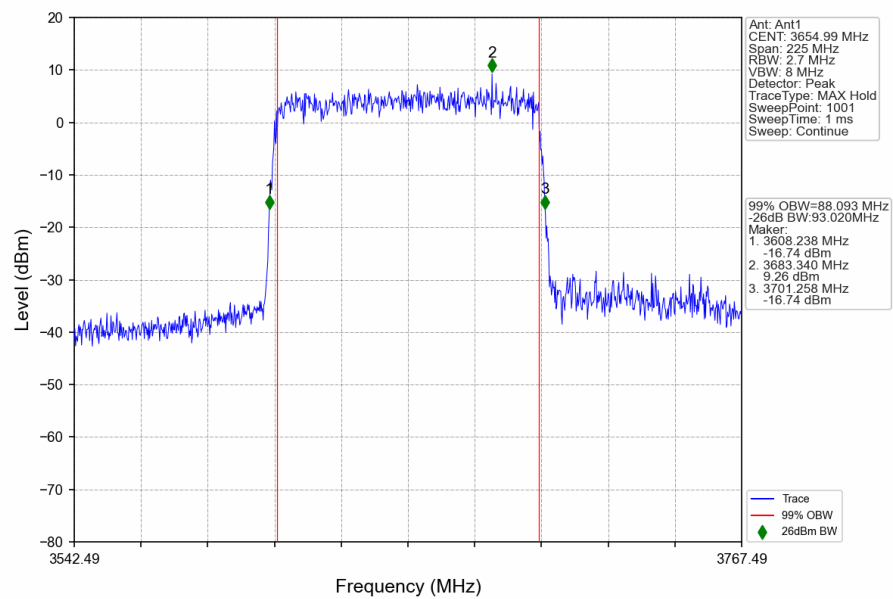
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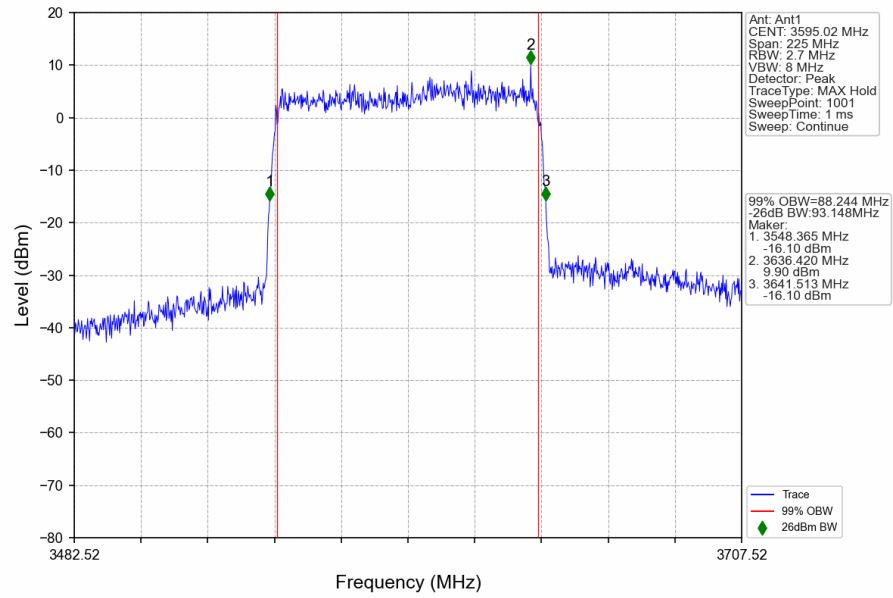
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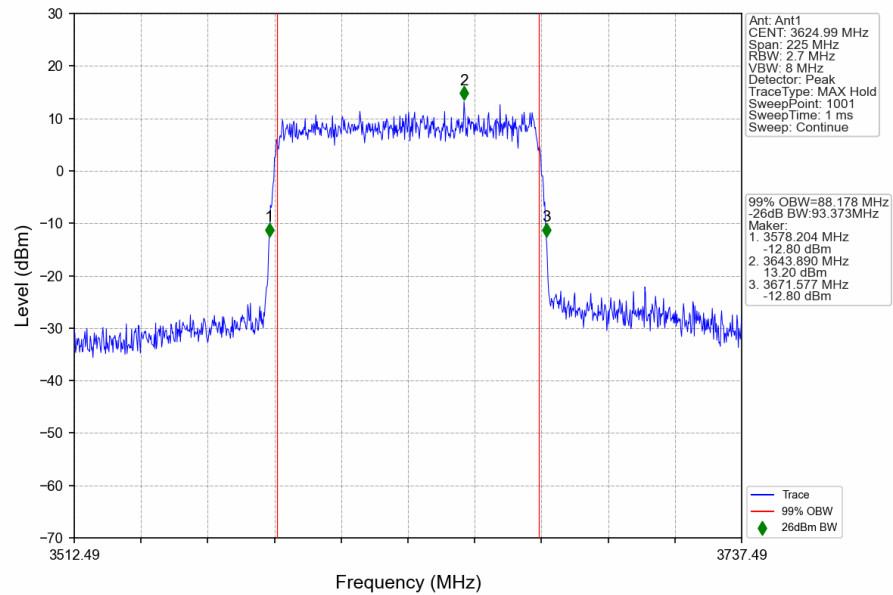
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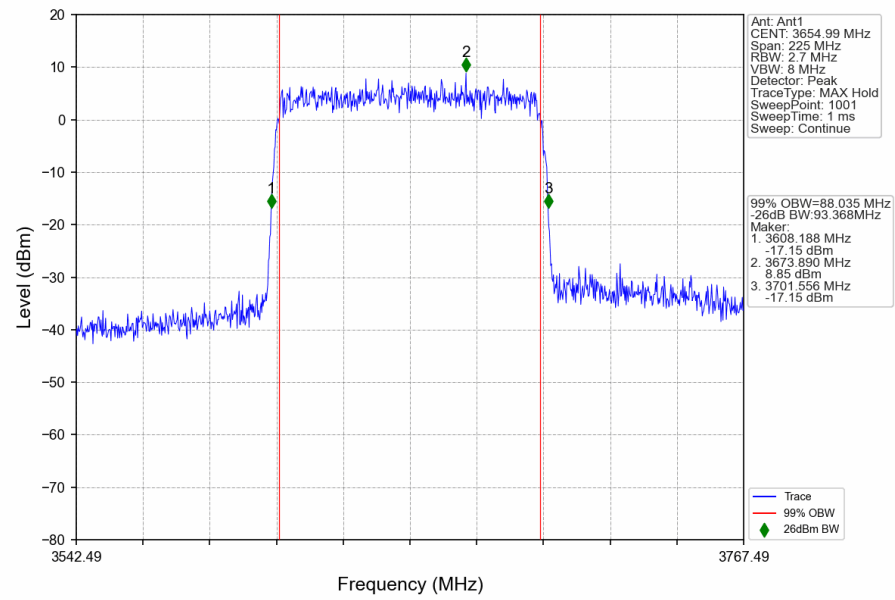
n78d_30kHz_SISO_NTNV_90MHz_CP-OFDM_16_QAM_3595.02MHz_Outer_Full



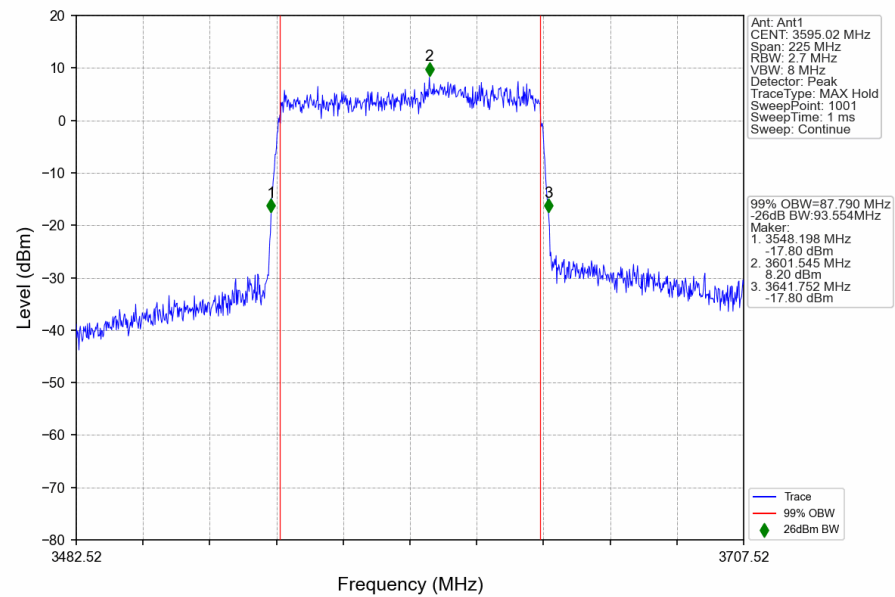
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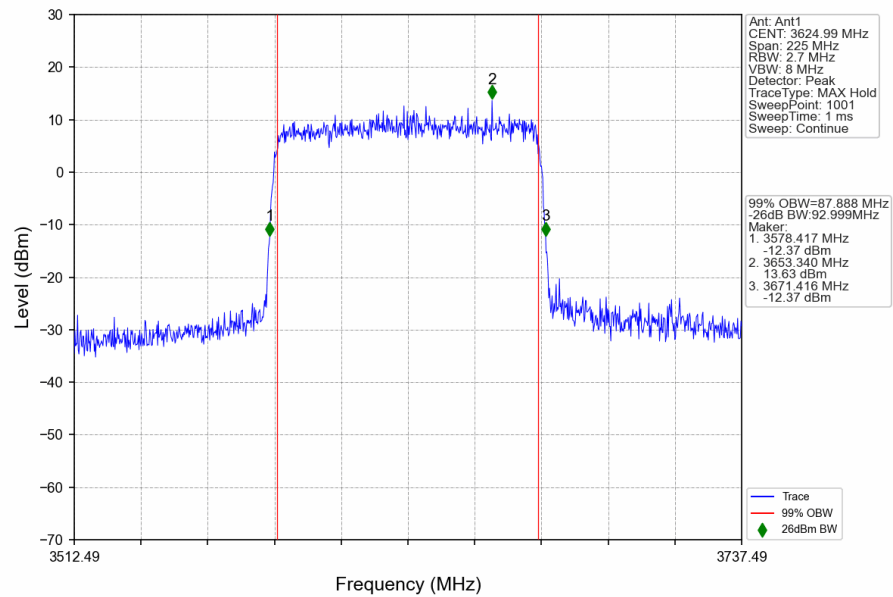
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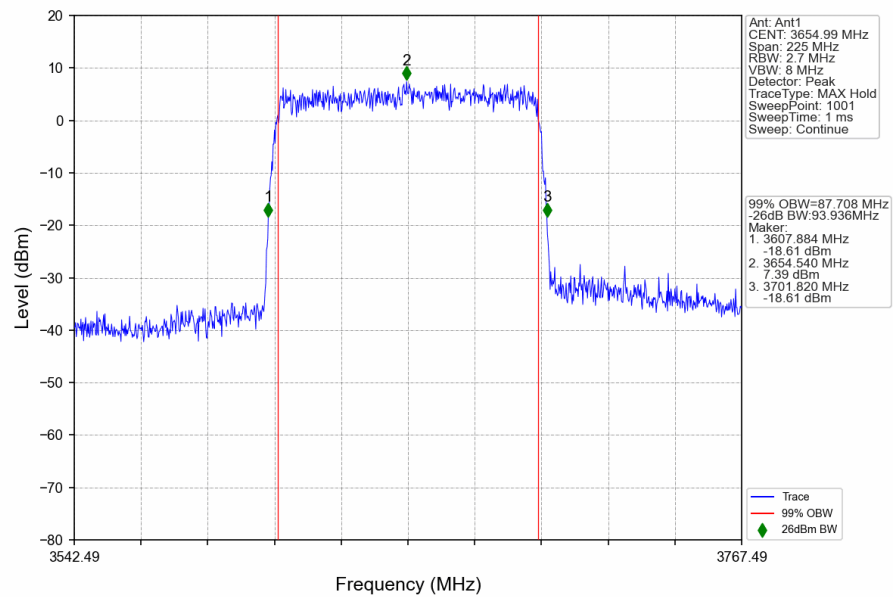
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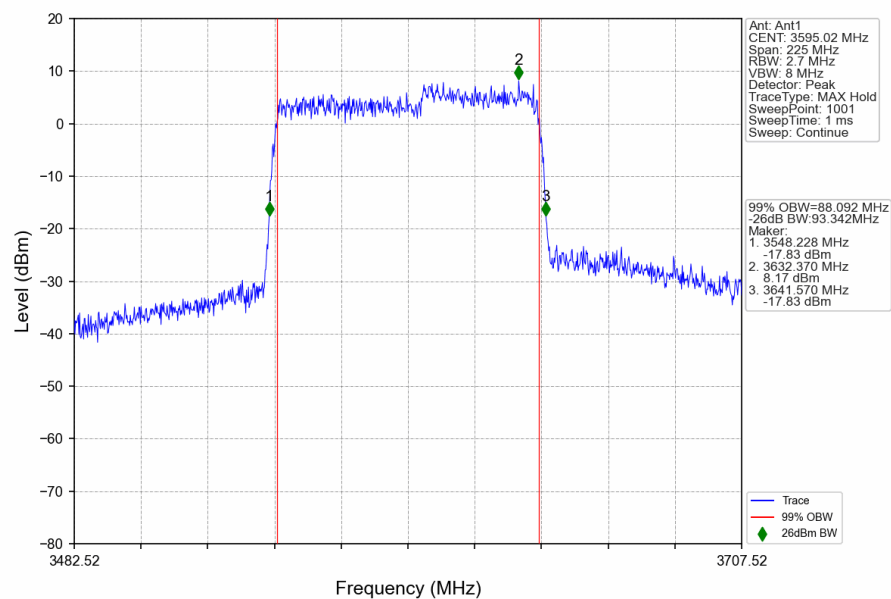
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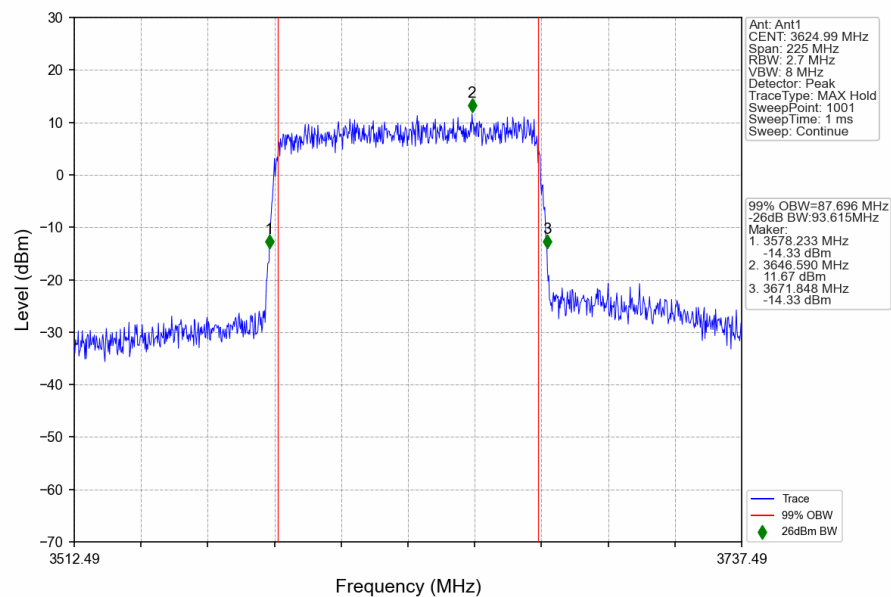
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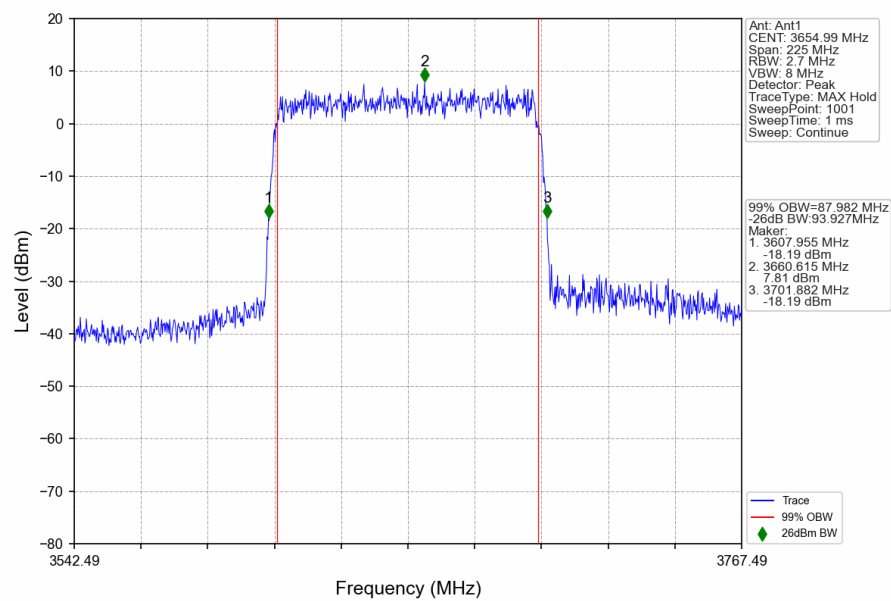
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n78d_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3654.99MHz_Outer_Full

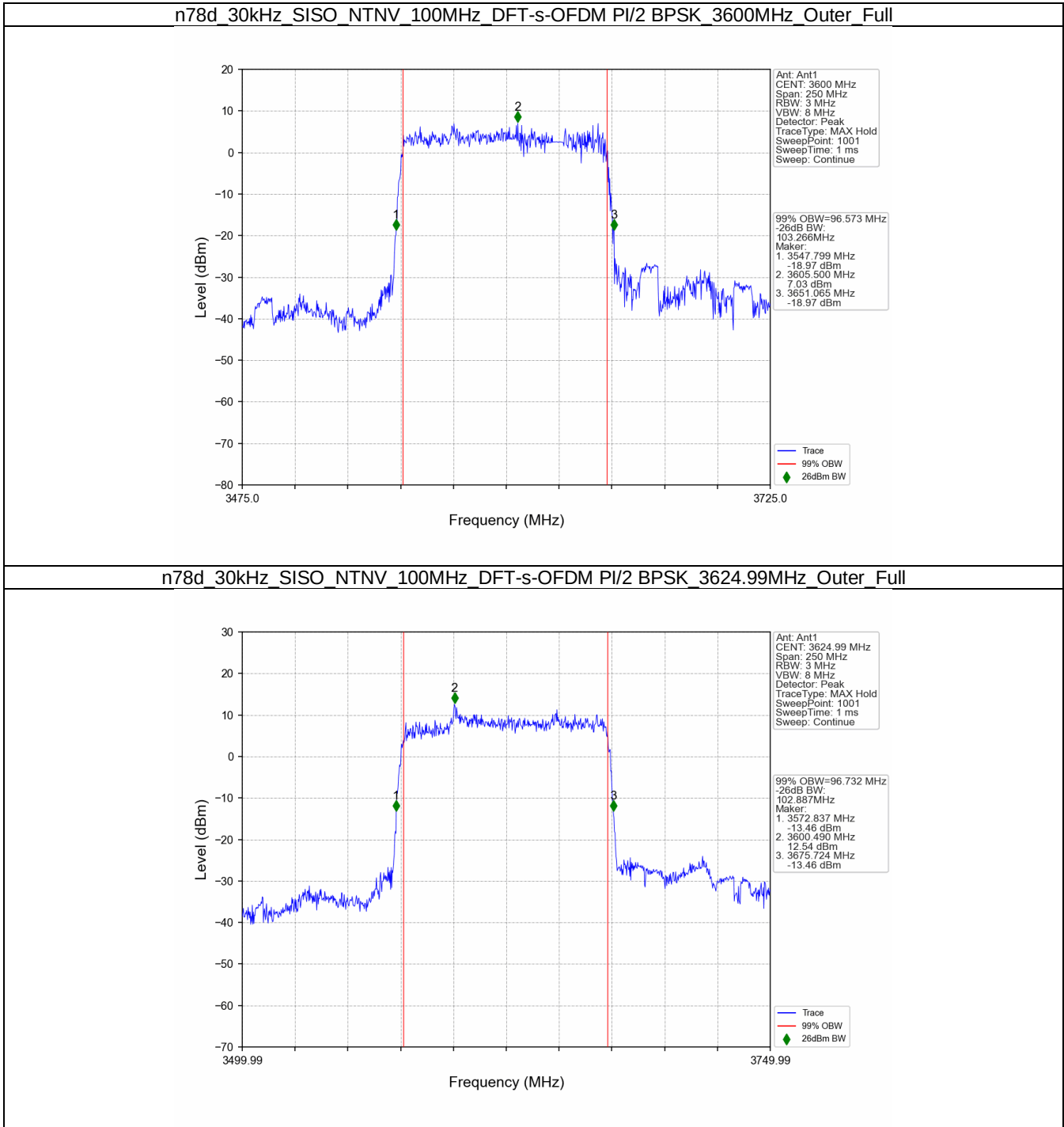


1.9 30k_SISO_100MHz_NTNV

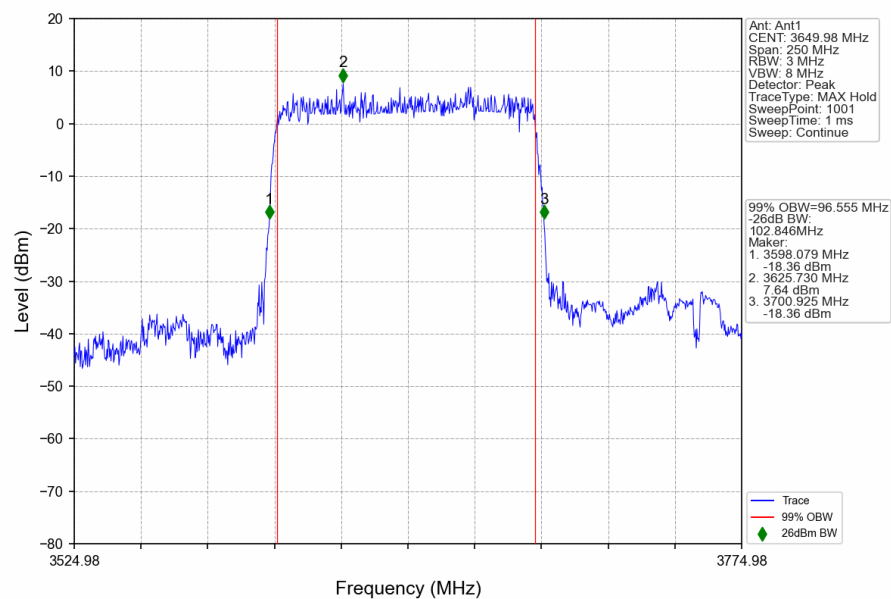
1.9.1 Test Result

5G NR n78d SCS=30kHz SISO 100MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3600	Outer_Full	96.57	103.27	/	Pass
	3624.99	Outer_Full	96.73	102.89	/	Pass
	3649.98	Outer_Full	96.56	102.85	/	Pass
DFT-s-OFDM QPSK	3600	Outer_Full	96.86	103.37	/	Pass
	3624.99	Outer_Full	96.72	102.86	/	Pass
	3649.98	Outer_Full	97.19	102.94	/	Pass
DFT-s-OFDM 16 QAM	3600	Outer_Full	96.88	103.37	/	Pass
	3624.99	Outer_Full	96.62	102.82	/	Pass
	3649.98	Outer_Full	96.91	103.61	/	Pass
DFT-s-OFDM 64 QAM	3600	Outer_Full	96.79	102.89	/	Pass
	3624.99	Outer_Full	96.39	103.10	/	Pass
	3649.98	Outer_Full	96.48	103.41	/	Pass
DFT-s-OFDM 256 QAM	3600	Outer_Full	96.84	102.89	/	Pass
	3624.99	Outer_Full	96.16	103.13	/	Pass
	3649.98	Outer_Full	96.92	103.22	/	Pass
CP-OFDM QPSK	3600	Outer_Full	97.78	104.44	/	Pass
	3624.99	Outer_Full	97.87	104.06	/	Pass
	3649.98	Outer_Full	97.91	104.13	/	Pass
CP-OFDM 16 QAM	3600	Outer_Full	97.69	104.14	/	Pass
	3624.99	Outer_Full	97.73	103.81	/	Pass
	3649.98	Outer_Full	97.74	104.42	/	Pass
CP-OFDM 64 QAM	3600	Outer_Full	97.37	103.95	/	Pass
	3624.99	Outer_Full	97.54	104.03	/	Pass
	3649.98	Outer_Full	97.67	104.22	/	Pass
CP-OFDM 256 QAM	3600	Outer_Full	98.41	104.30	/	Pass
	3624.99	Outer_Full	97.25	104.58	/	Pass
	3649.98	Outer_Full	97.84	103.76	/	Pass

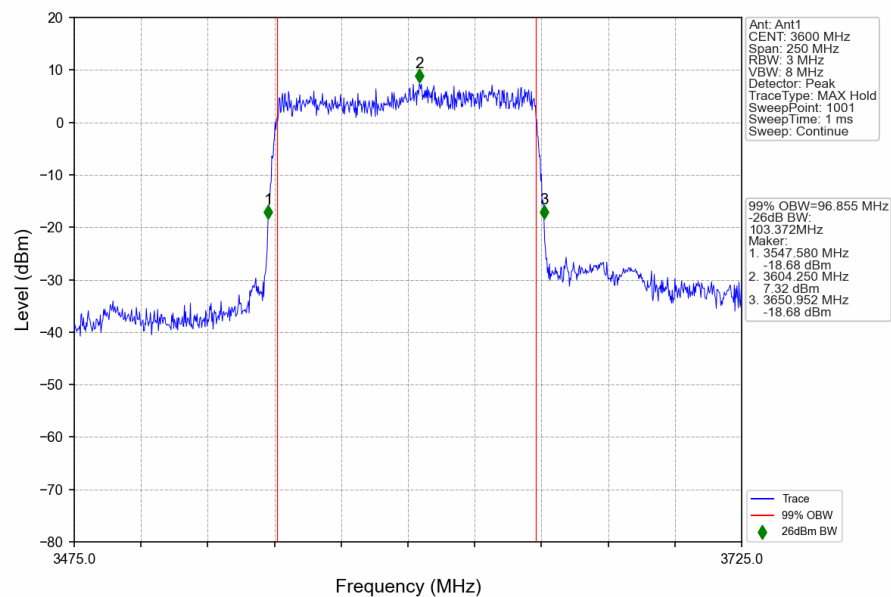
1.9.2 Test Graph



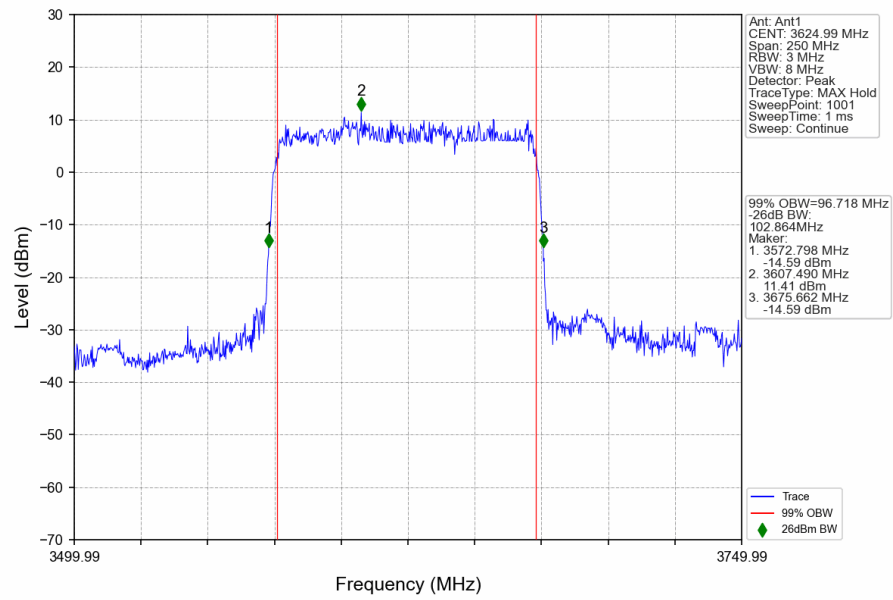
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM PI/2 BPSK_3649.98MHz_Outer_Full



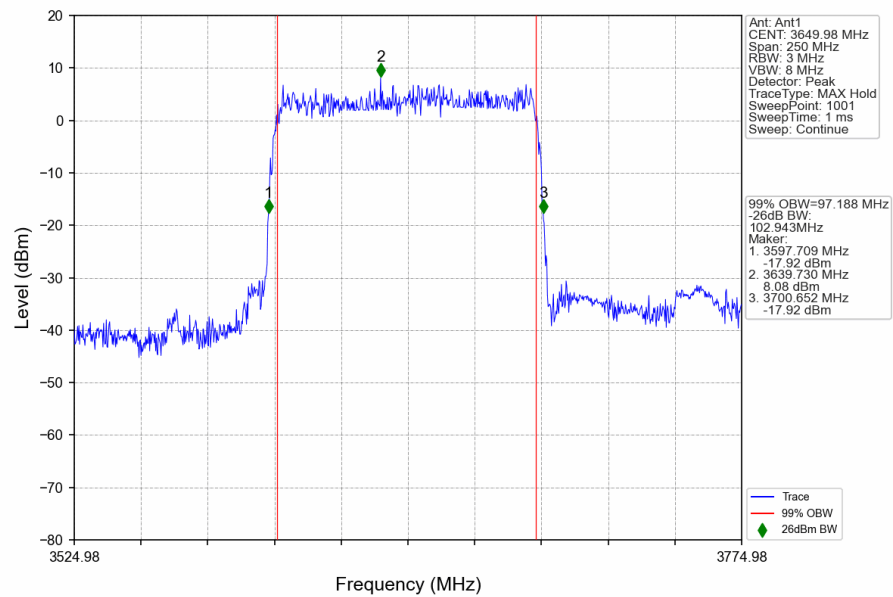
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM QPSK_3600MHz_Outer_Full



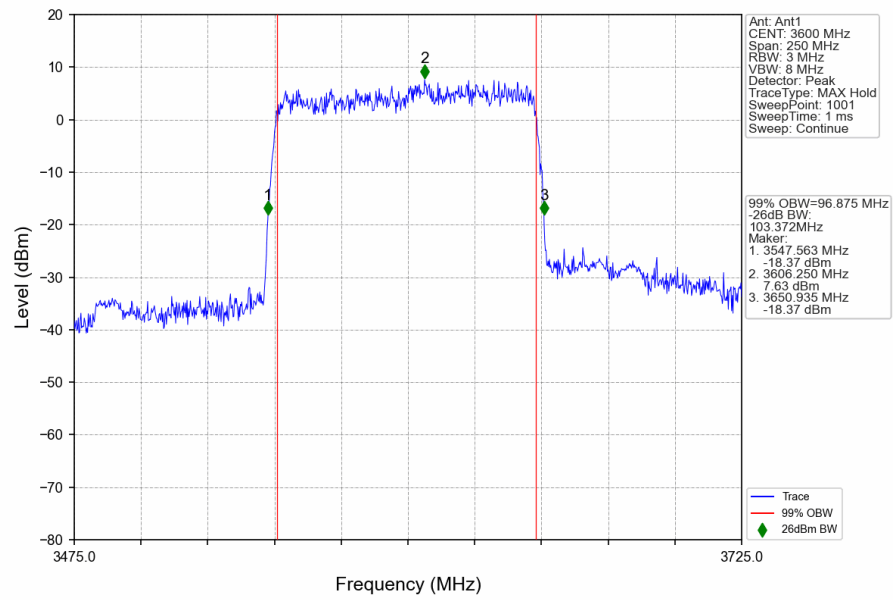
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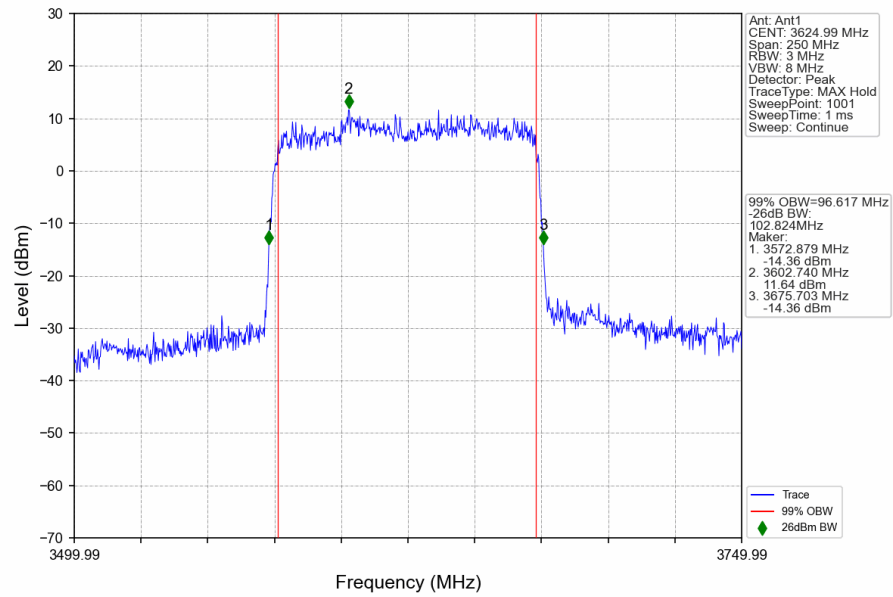
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_QPSK_3649.98MHz_Outer_Full



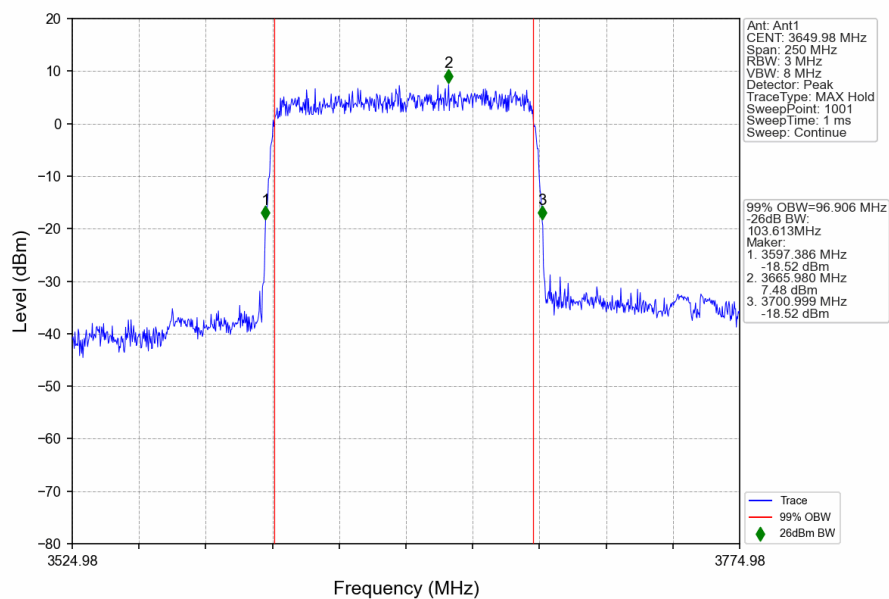
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_3600MHz_Outer_Full



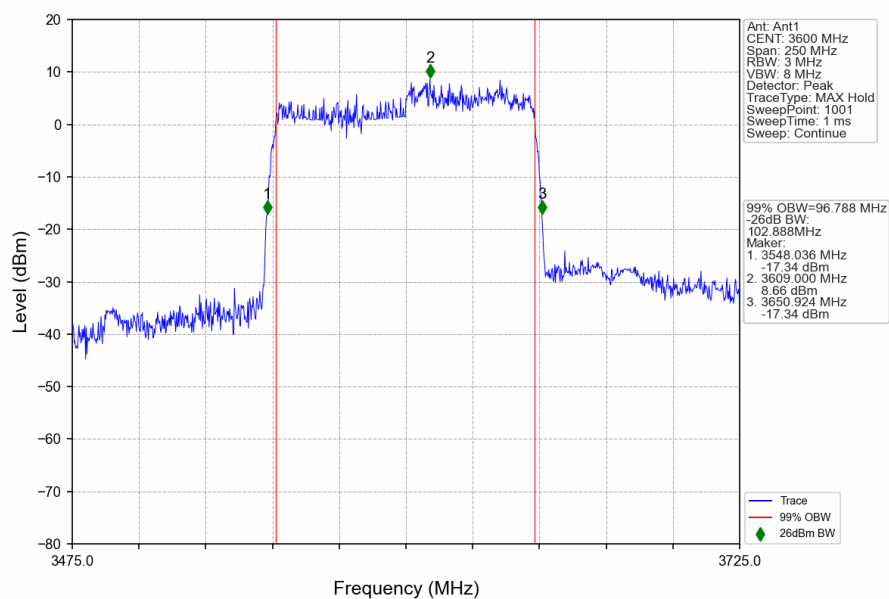
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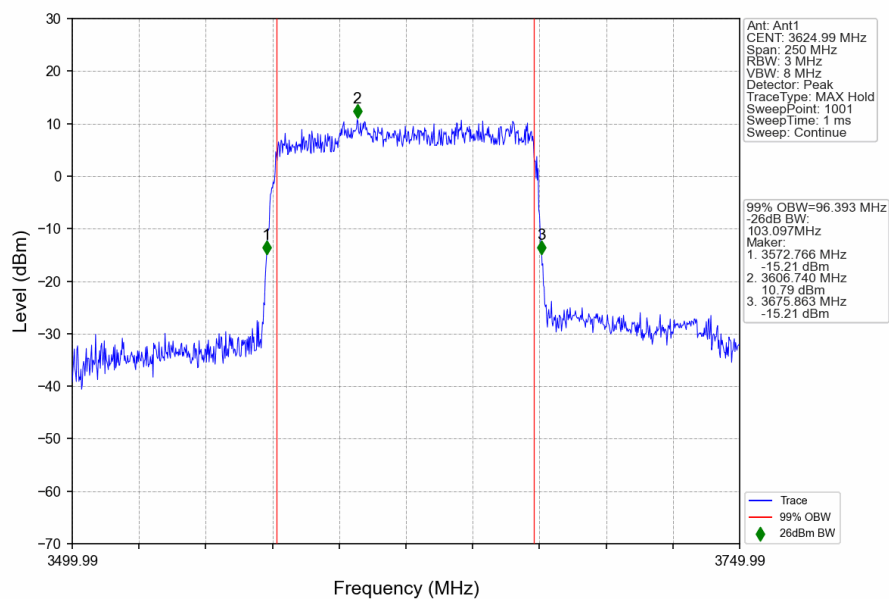
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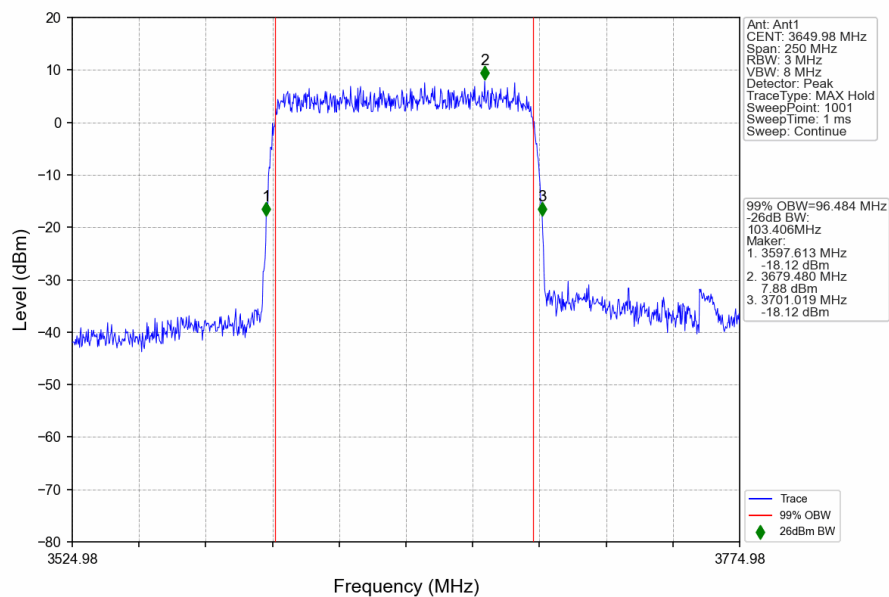
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 64 QAM_3600MHz_Outer_Full



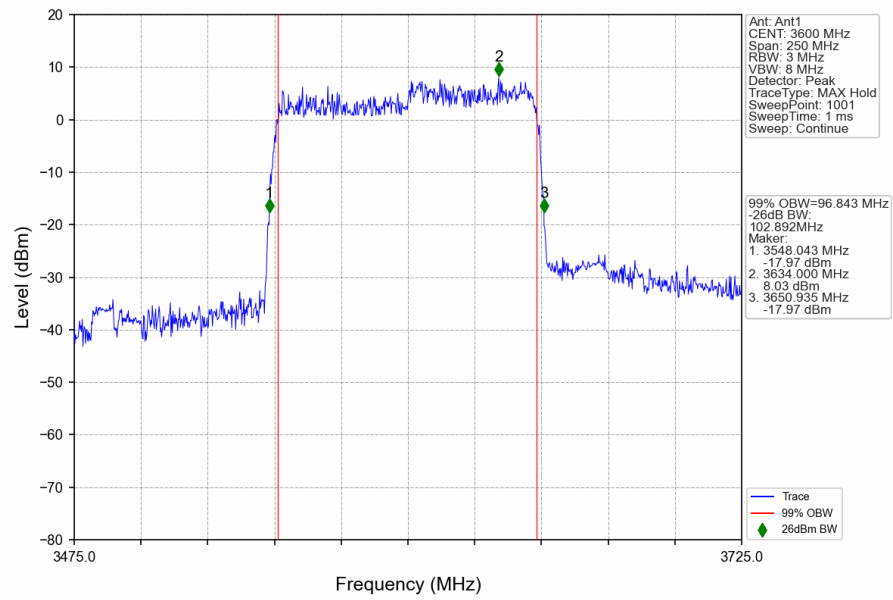
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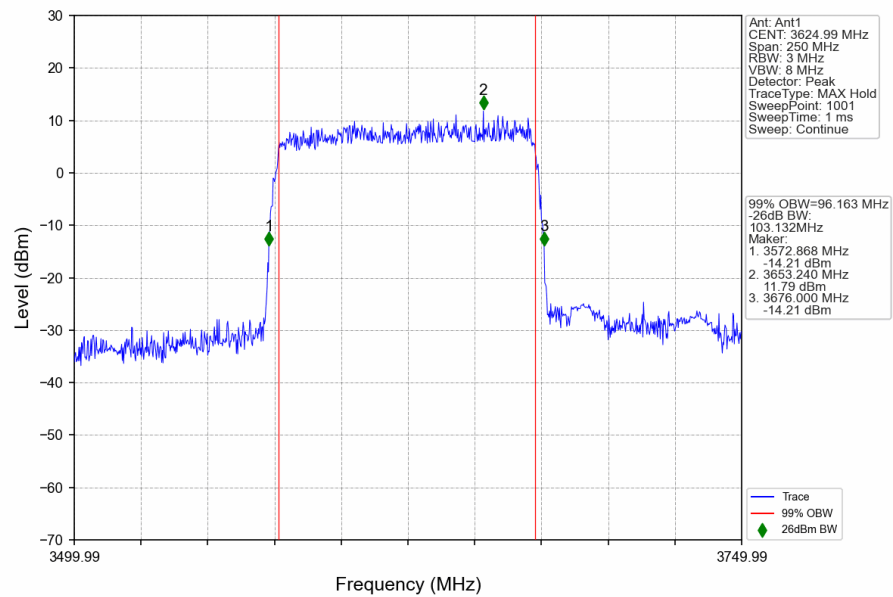
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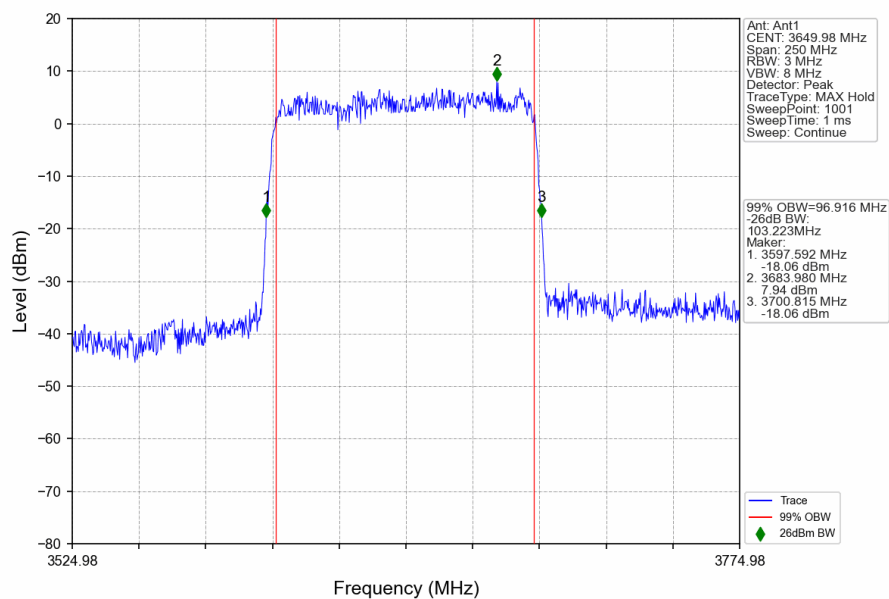
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_256_QAM_3600MHz_Outer_Full



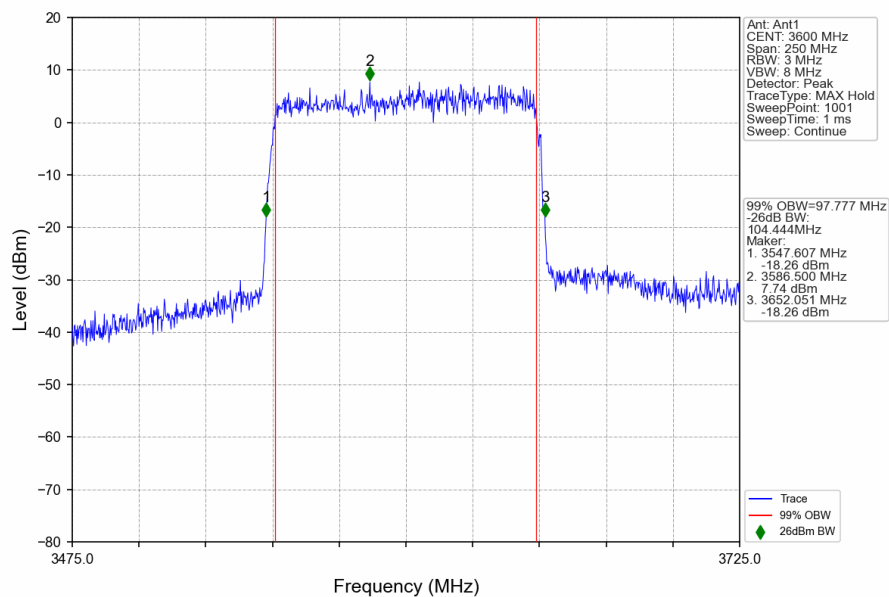
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_256_QAM_3624.99MHz_Outer_Full



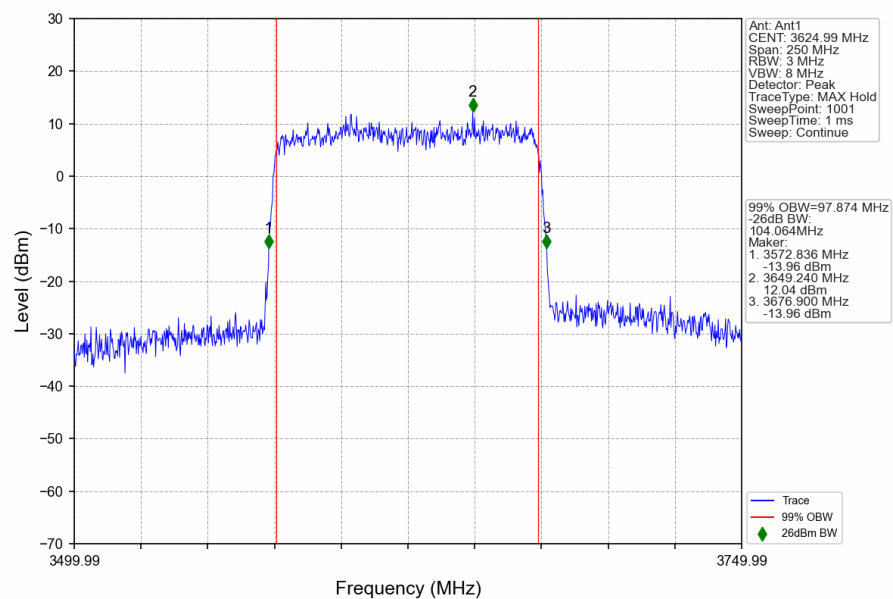
n78d_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM 256 QAM 3649.98MHz_Outer_Full



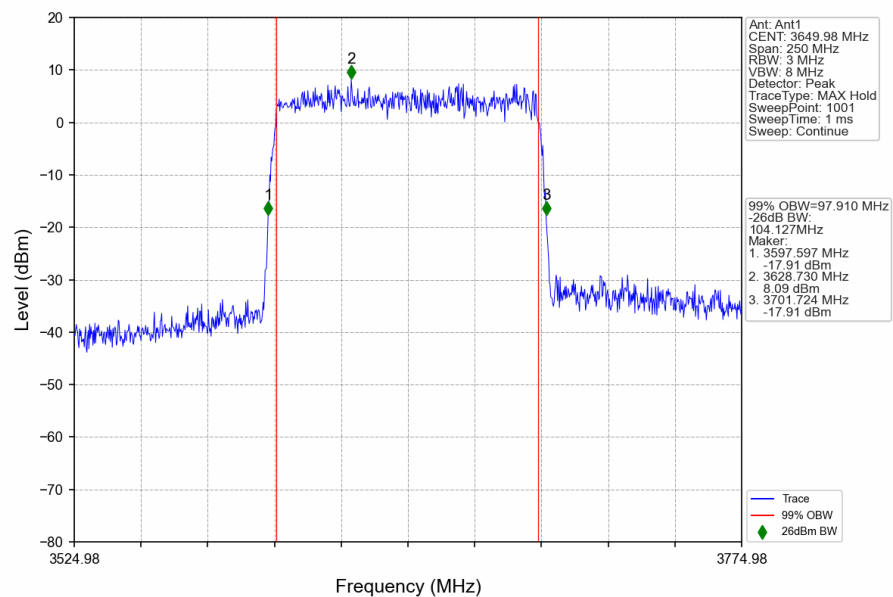
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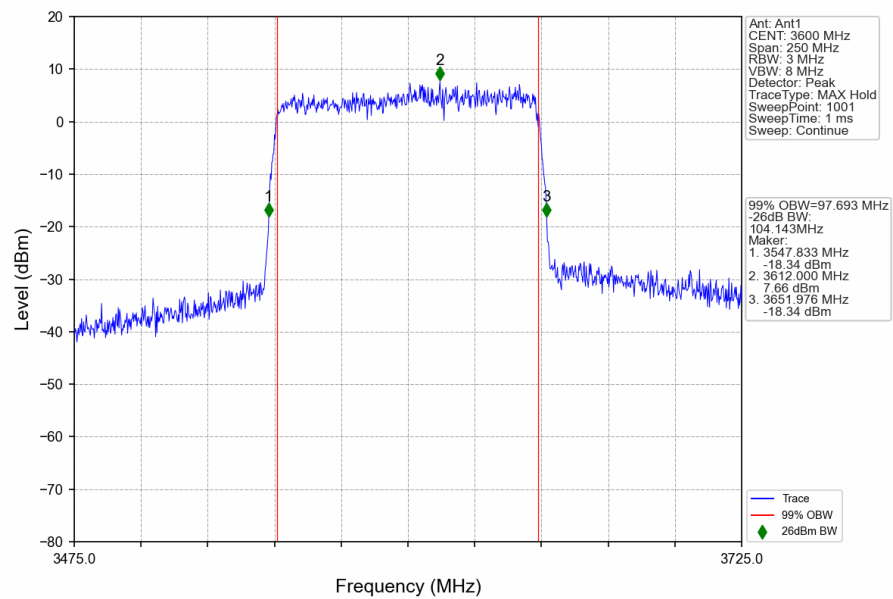
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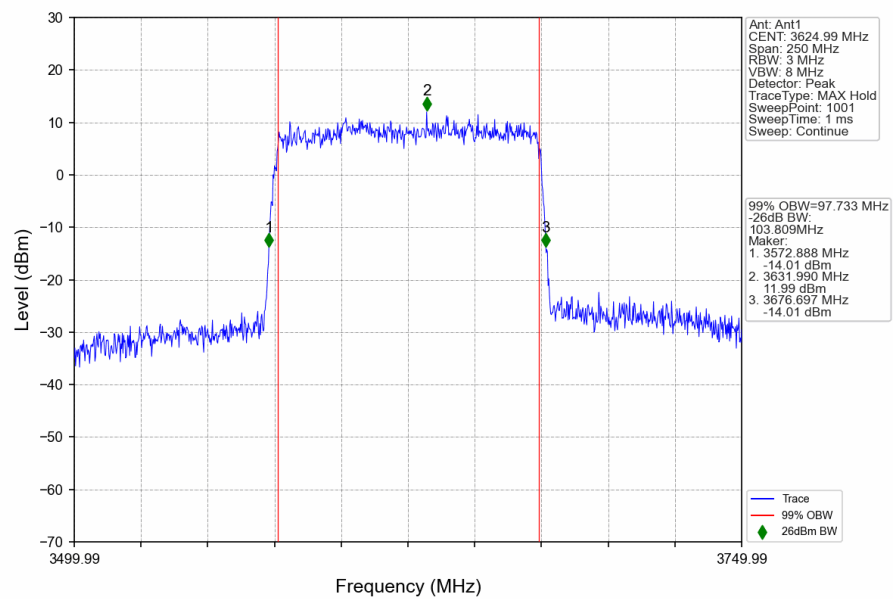
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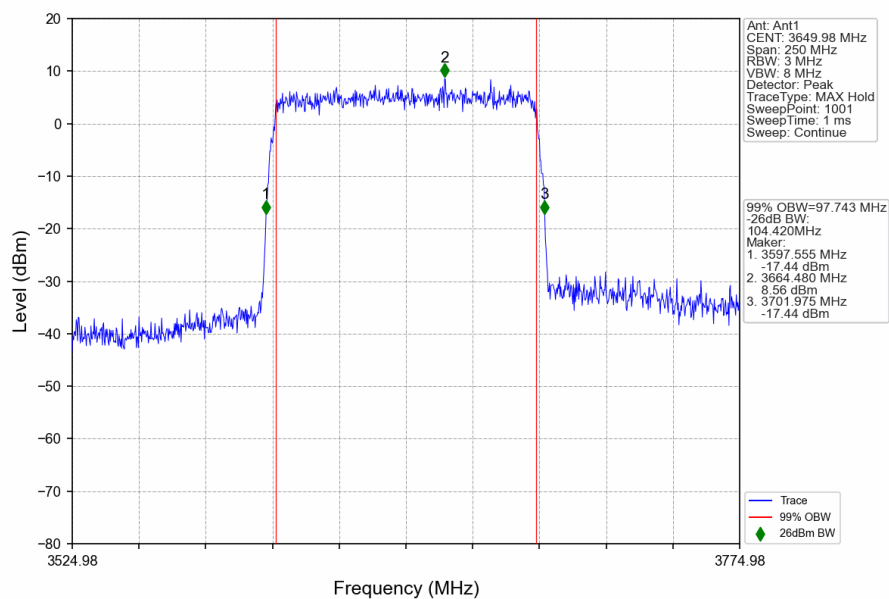
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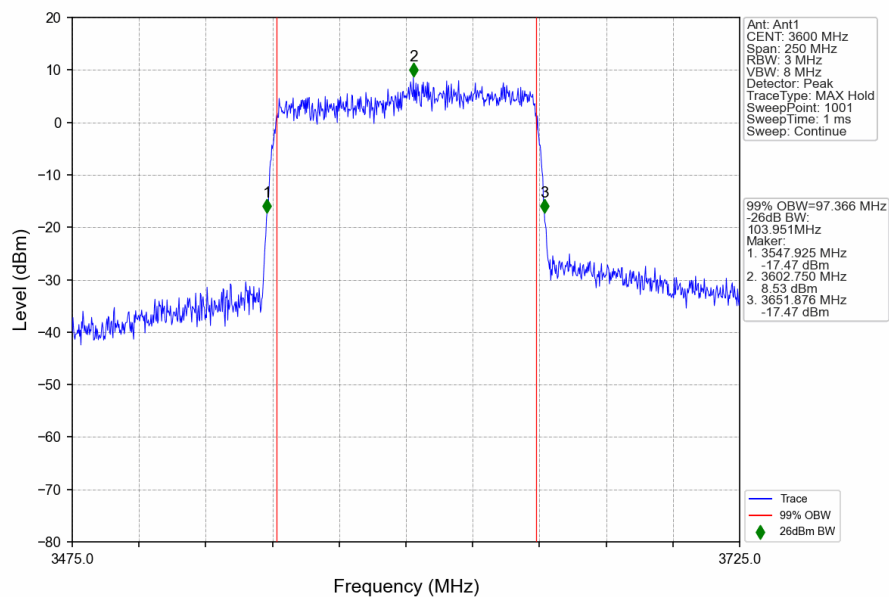
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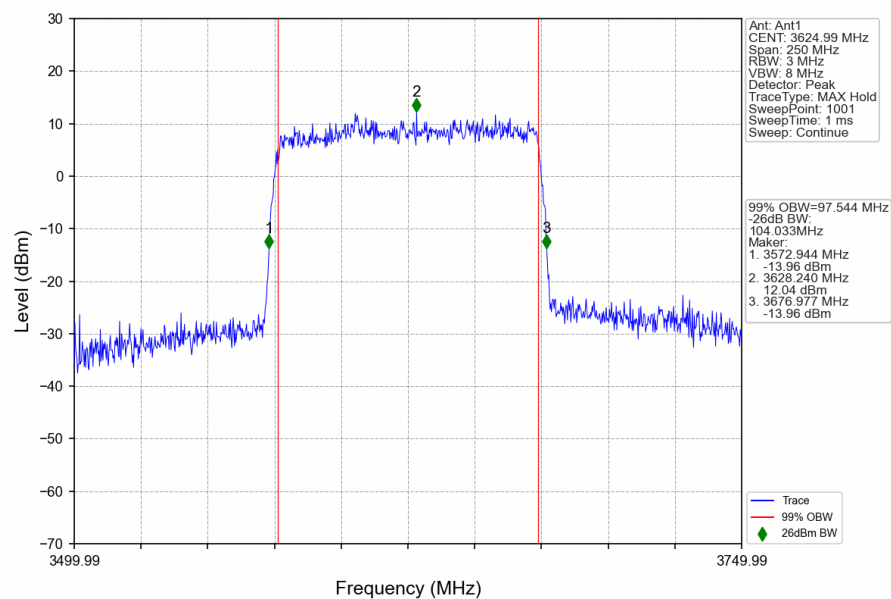
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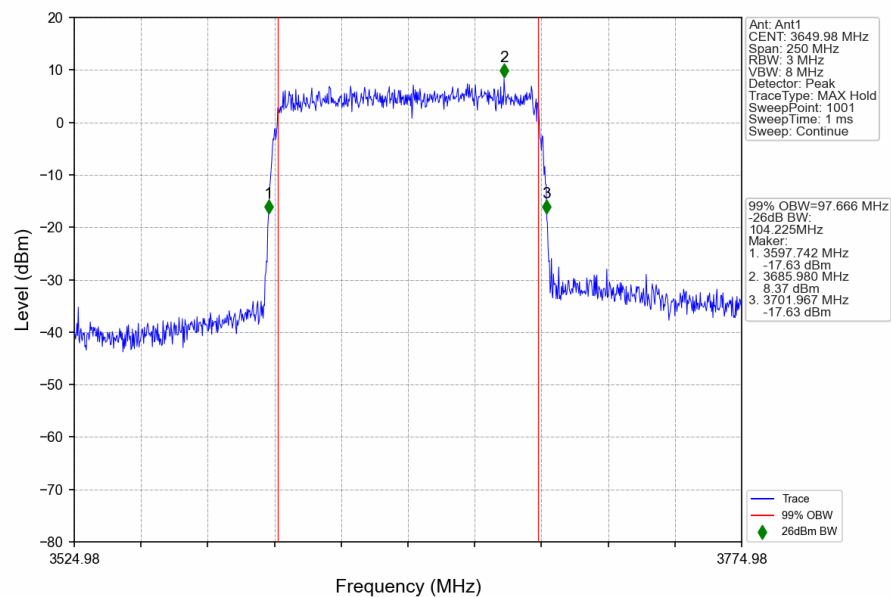
n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM 64 QAM_3600MHz_Outer_Full



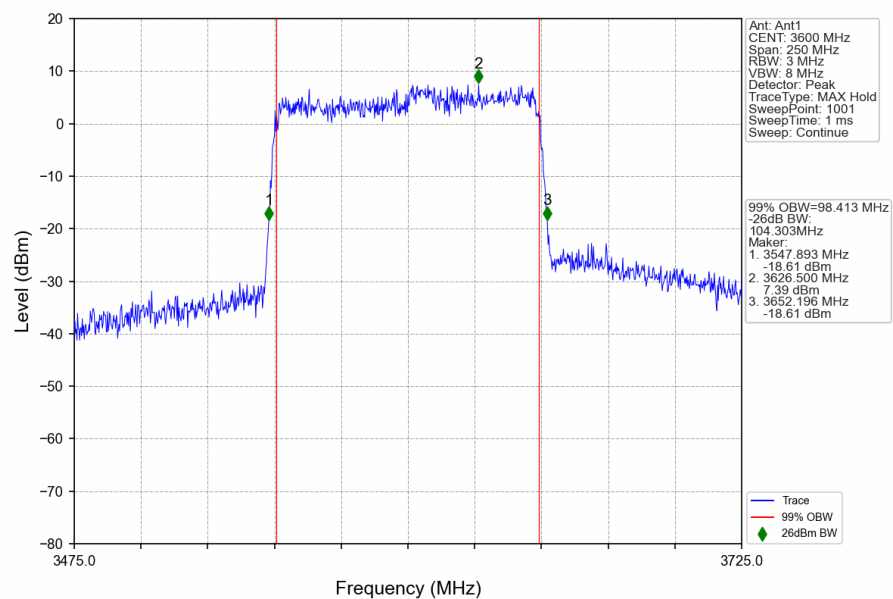
n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM_64_QAM_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM_64_QAM_3649.98MHz_Outer_Full



n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_3600MHz_Outer_Full



n78d_30kHz_SISO_NTNV_100MHz_CP-OFDM_256_QAM_3624.99MHz_Outer_Full

