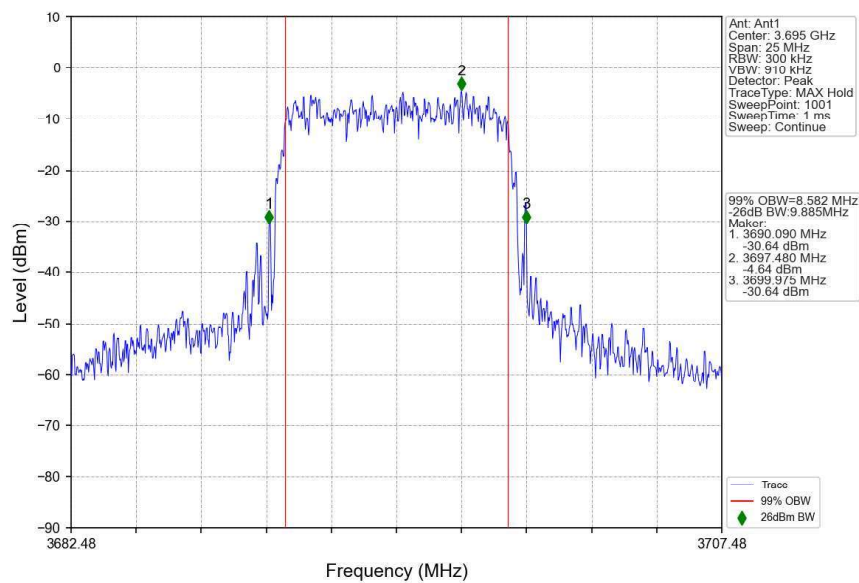
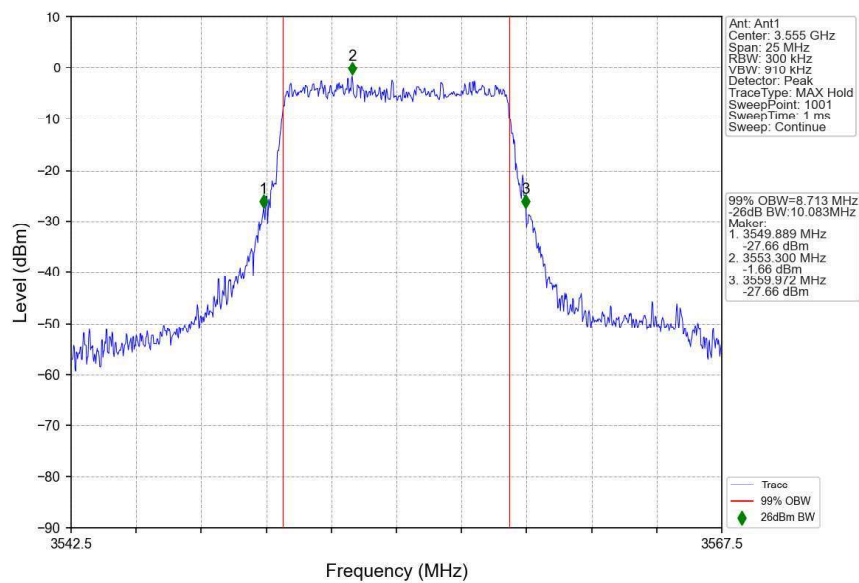


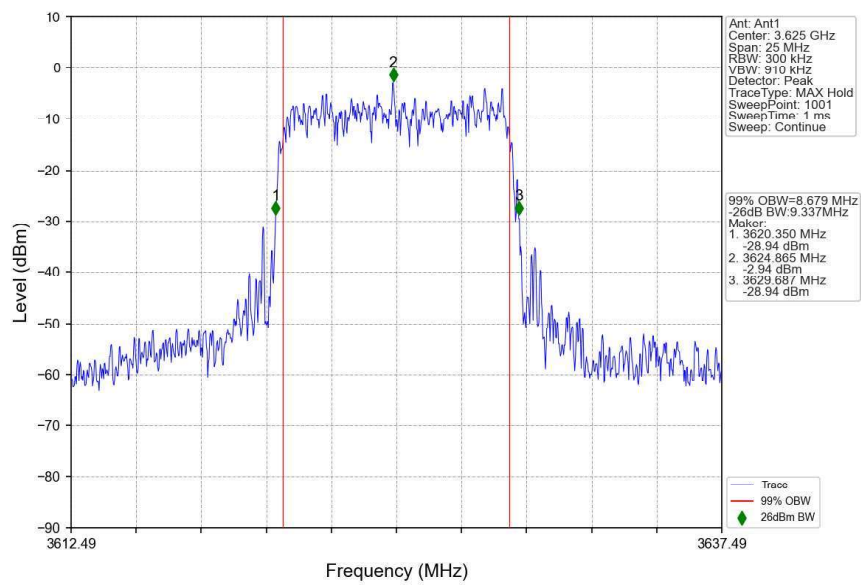
n48_30kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3694.98MHz_Outer_Full



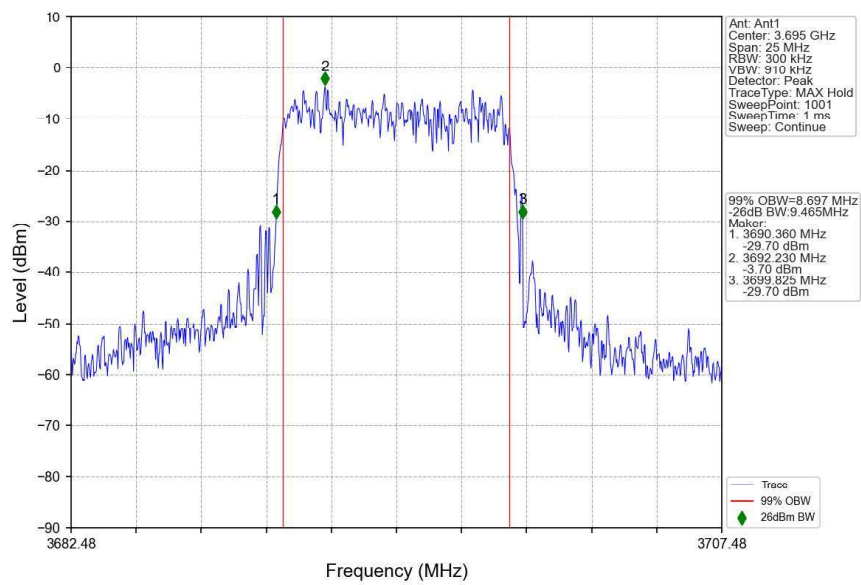
n48_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_3555MHz_Outer_Full



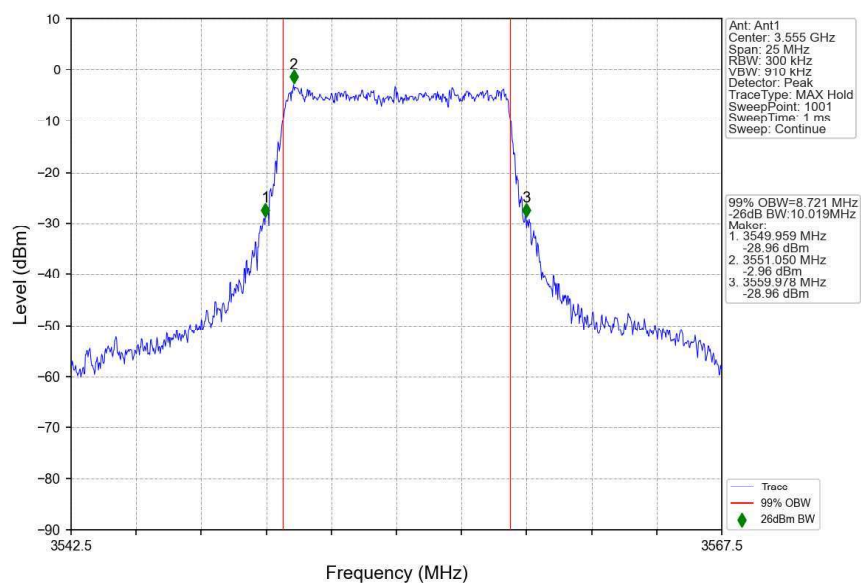
n48_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



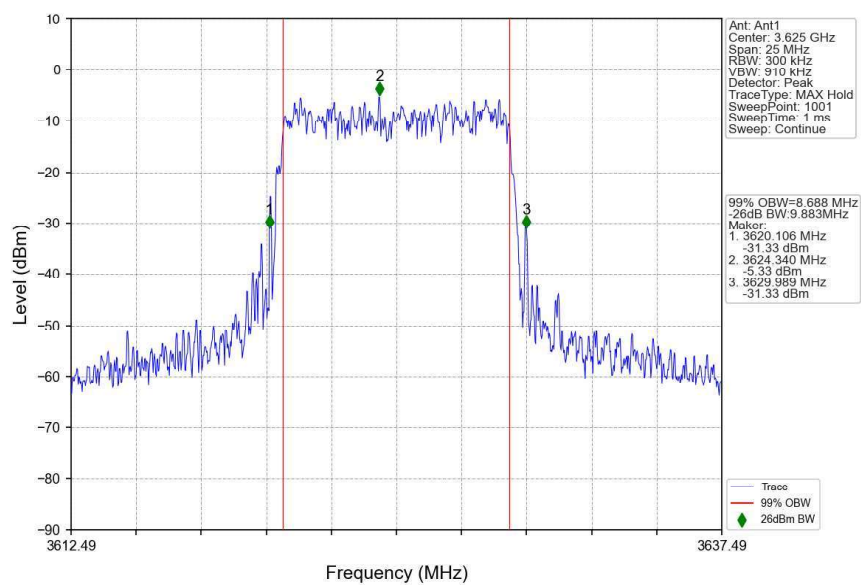
n48_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM_3694.98MHz_Outer_Full



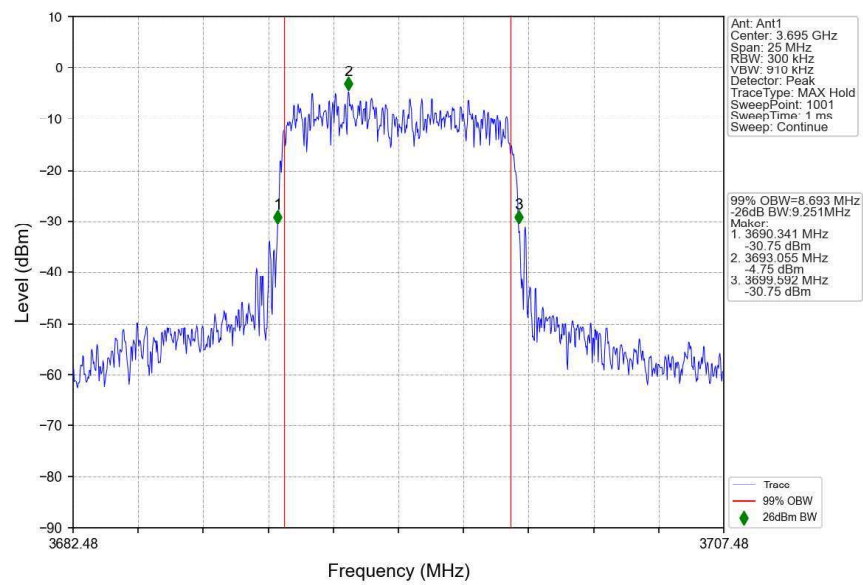
n48_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM_3555MHz_Outer_Full



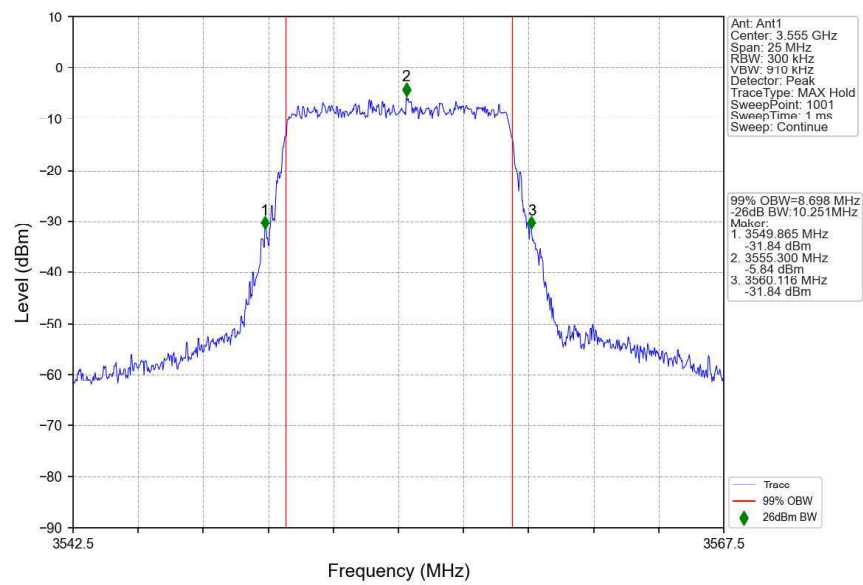
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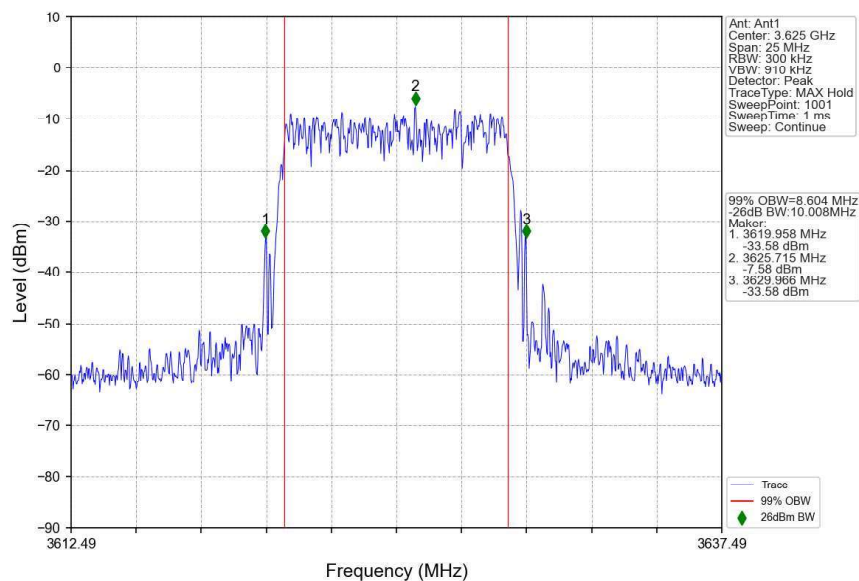
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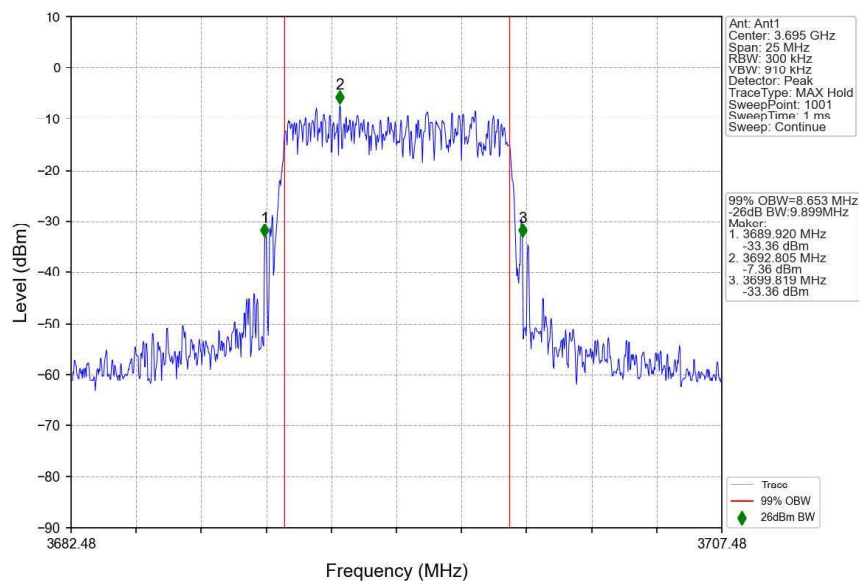
n48_30kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_3555MHz_Outer_Full



n48_30kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n48_30kHz_SISO_NTNV_10MHz_CP-OFDM 256 QAM_3694.98MHz_Outer_Full

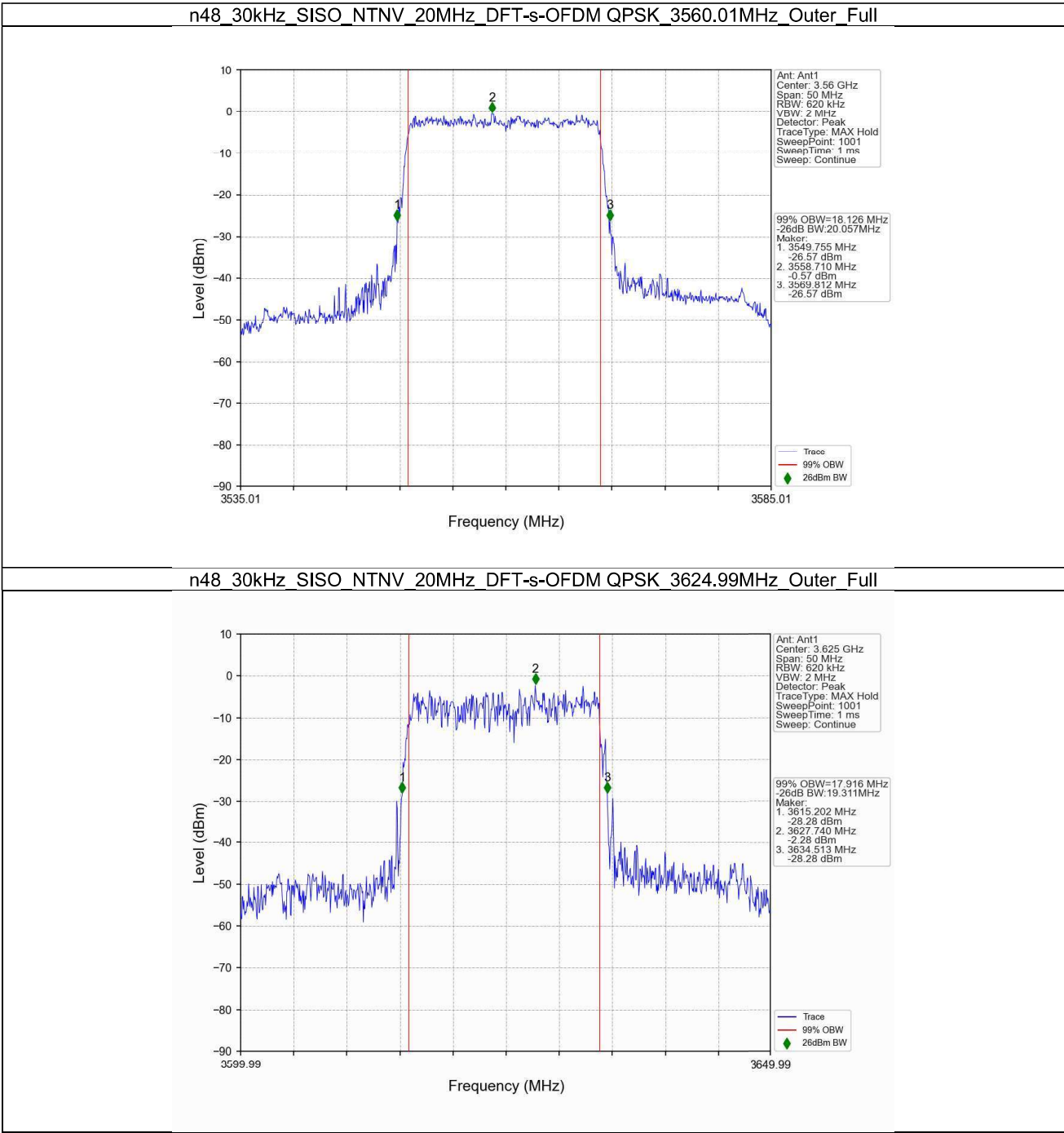


1.2 30k_SISO_20MHz_NTNV

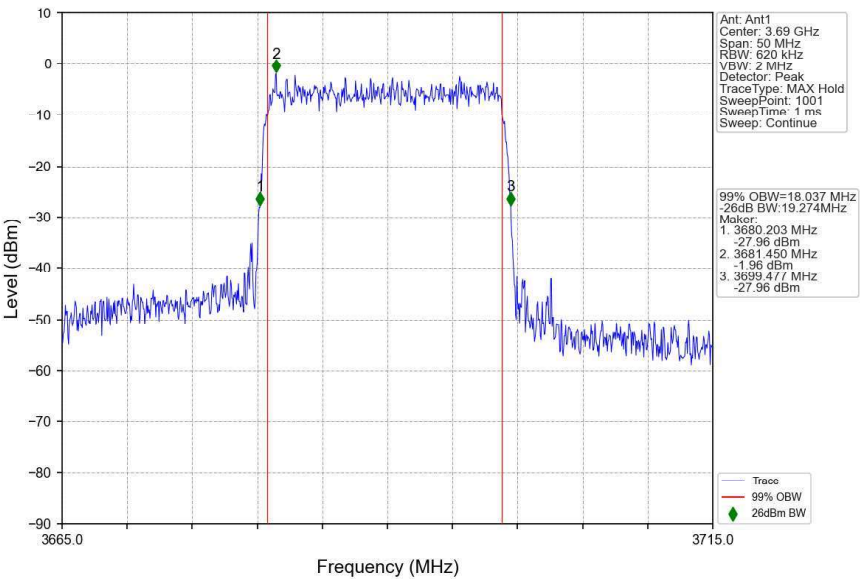
1.2.1 Test Result

5G NR n48 SCS=30kHz SISO 20MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3560.01	Outer_Full	18.13	20.06	/	Pass
	3624.99	Outer_Full	17.92	19.31	/	Pass
	3690	Outer_Full	18.04	19.27	/	Pass
DFT-s-OFDM 16 QAM	3560.01	Outer_Full	18.08	20.22	/	Pass
	3624.99	Outer_Full	18.14	19.71	/	Pass
	3690	Outer_Full	18.01	19.62	/	Pass
DFT-s-OFDM 64 QAM	3560.01	Outer_Full	18.08	19.85	/	Pass
	3624.99	Outer_Full	18.02	19.71	/	Pass
	3690	Outer_Full	14.02	14.90	/	Pass
DFT-s-OFDM 256 QAM	3560.01	Outer_Full	18.11	19.98	/	Pass
	3624.99	Outer_Full	18.00	19.76	/	Pass
	3690	Outer_Full	18.00	19.30	/	Pass
CP-OFDM QPSK	3560.01	Outer_Full	18.38	20.48	/	Pass
	3624.99	Outer_Full	18.35	19.65	/	Pass
	3690	Outer_Full	18.38	19.77	/	Pass
CP-OFDM 16 QAM	3560.01	Outer_Full	18.43	20.35	/	Pass
	3624.99	Outer_Full	18.53	19.69	/	Pass
	3690	Outer_Full	18.47	19.59	/	Pass
CP-OFDM 64 QAM	3560.01	Outer_Full	18.35	20.01	/	Pass
	3624.99	Outer_Full	18.25	20.22	/	Pass
	3690	Outer_Full	18.40	19.75	/	Pass
CP-OFDM 256 QAM	3560.01	Outer_Full	18.43	20.37	/	Pass
	3624.99	Outer_Full	18.31	19.39	/	Pass
	3690	Outer_Full	18.41	19.85	/	Pass

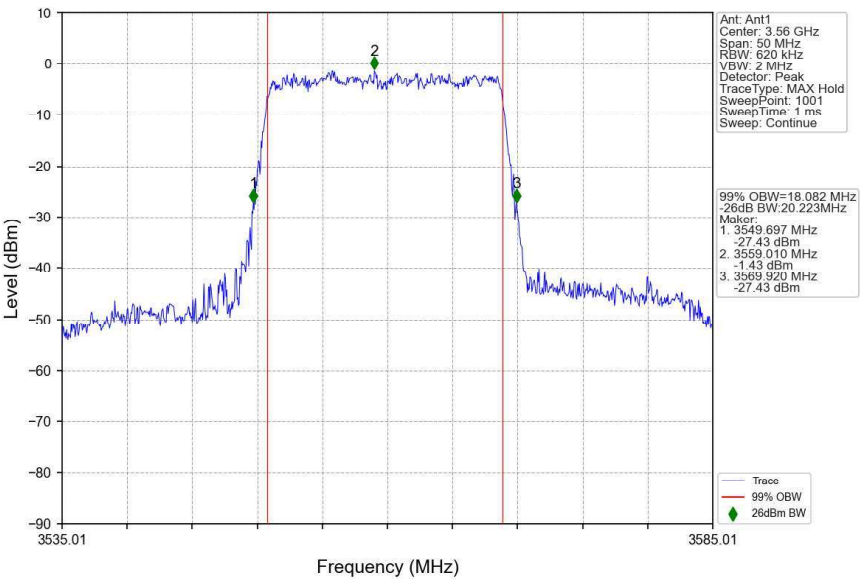
1.2.2 Test Graph



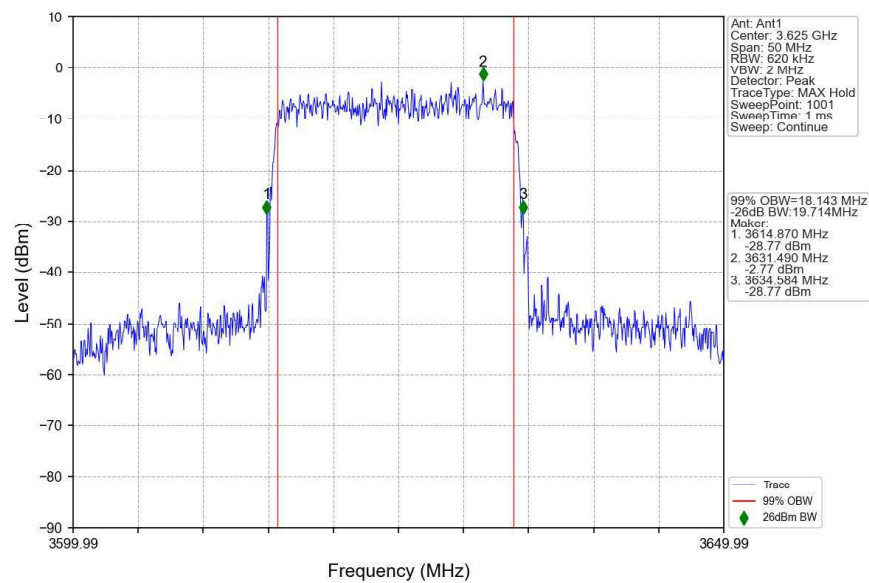
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM QPSK_3690MHz_Outer_Full



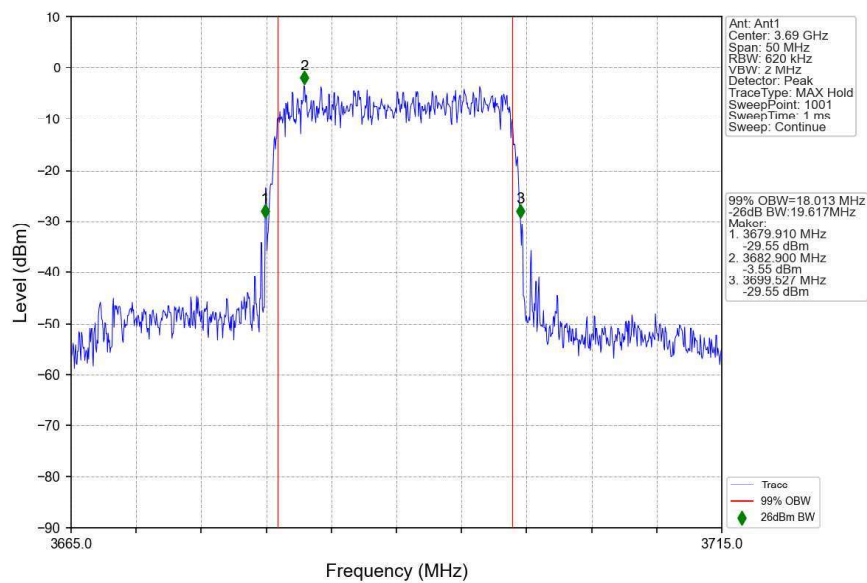
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_3560.01MHz_Outer_Full



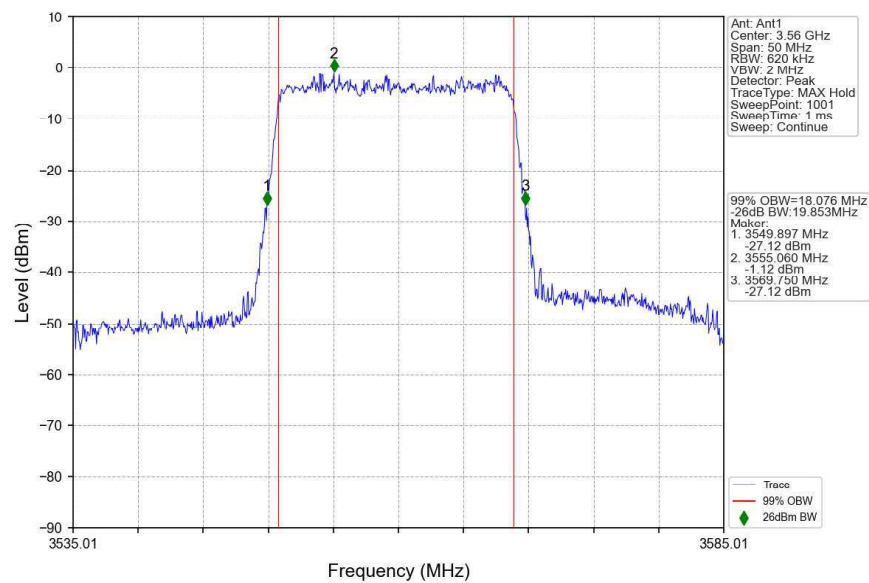
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_3624.99MHz_Outer_Full



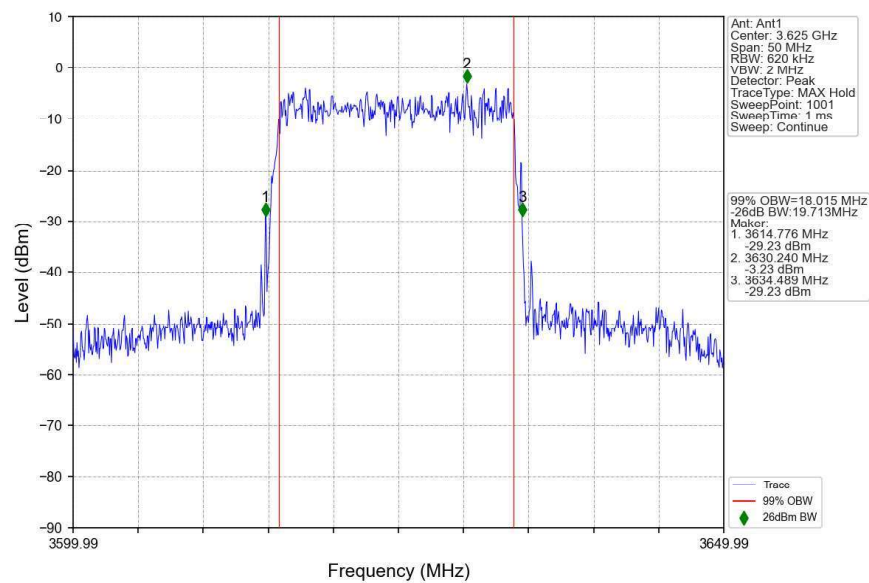
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_16_QAM_3690MHz_Outer_Full



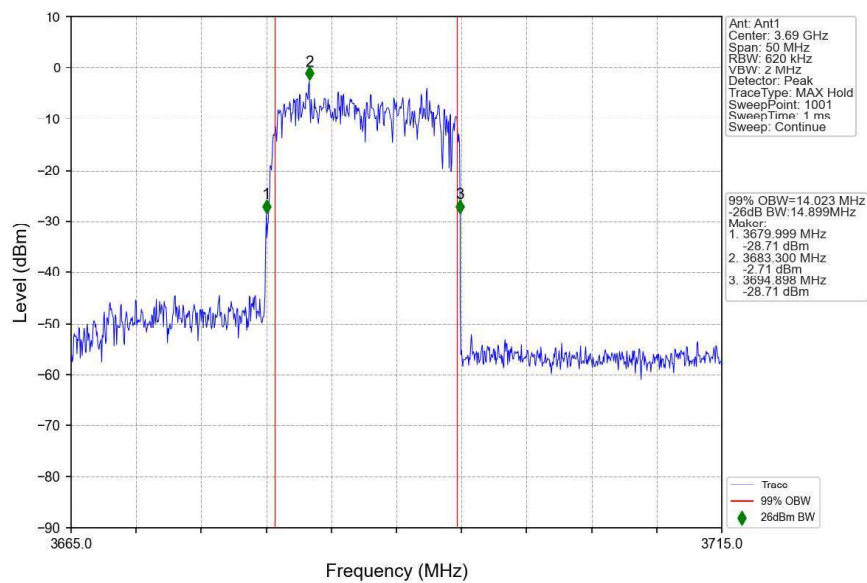
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3560.01MHz_Outer_Full



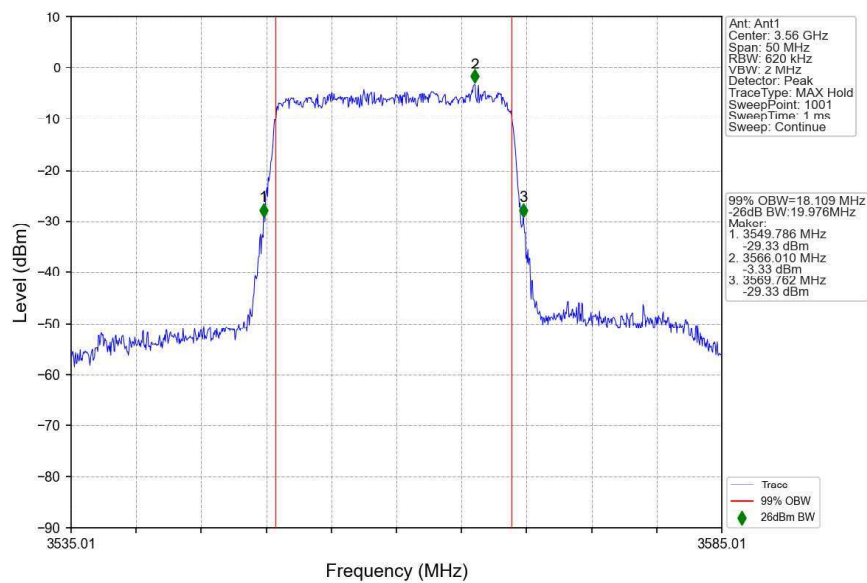
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3624.99MHz_Outer_Full



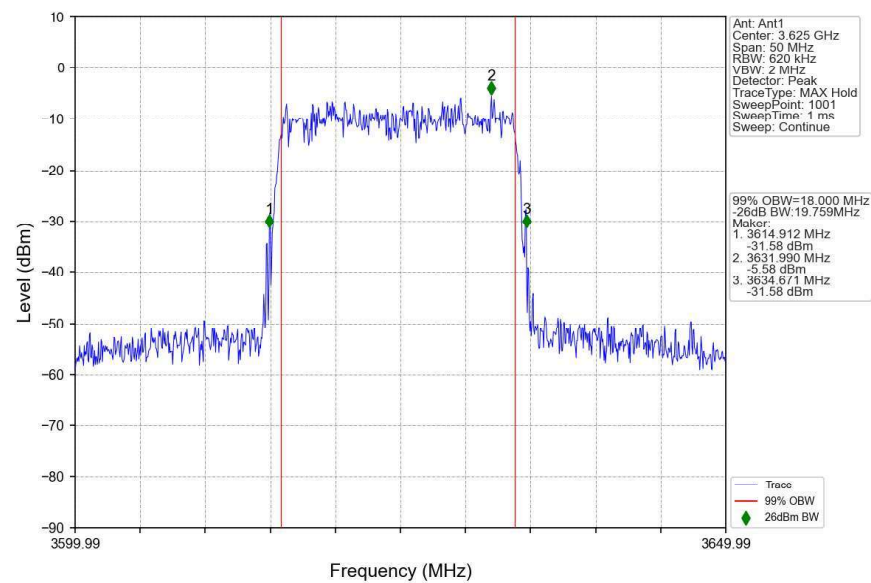
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3690MHz_Outer_Full



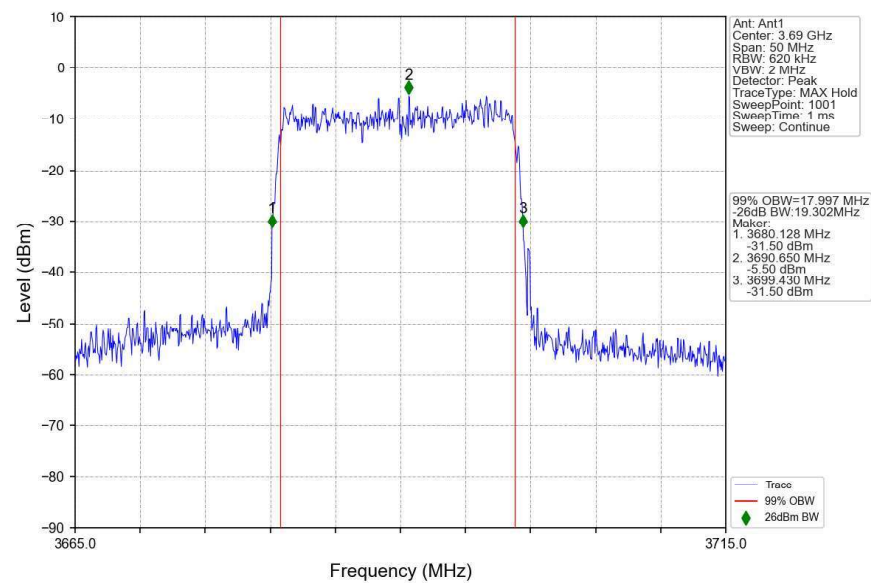
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_3560.01MHz_Outer_Full



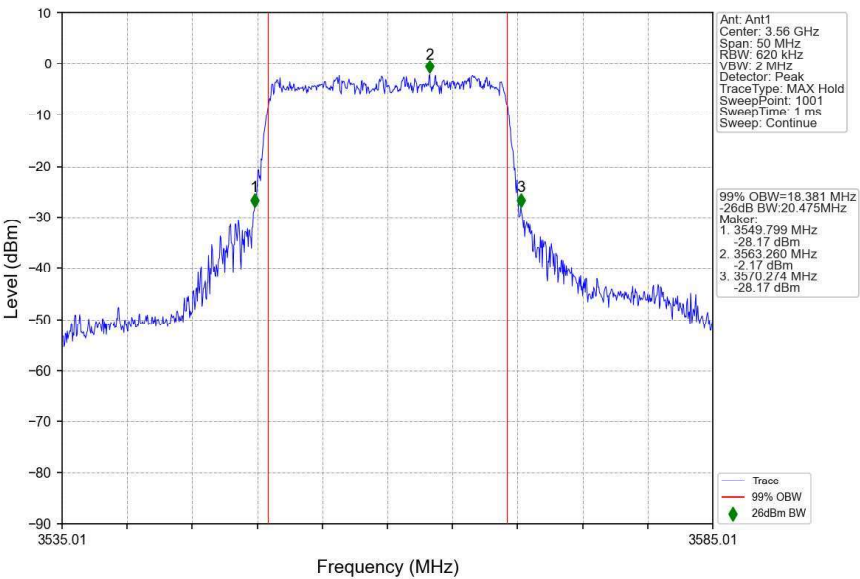
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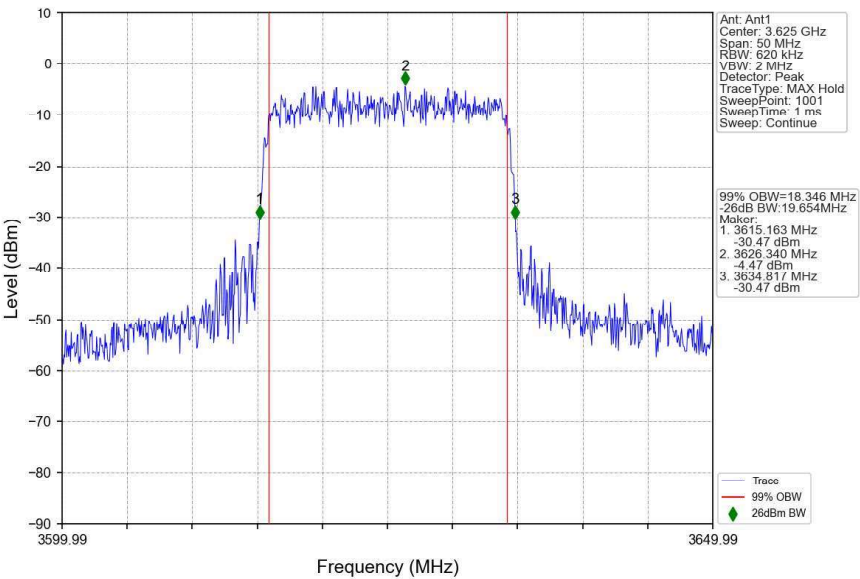
n48_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_3690MHz_Outer_Full



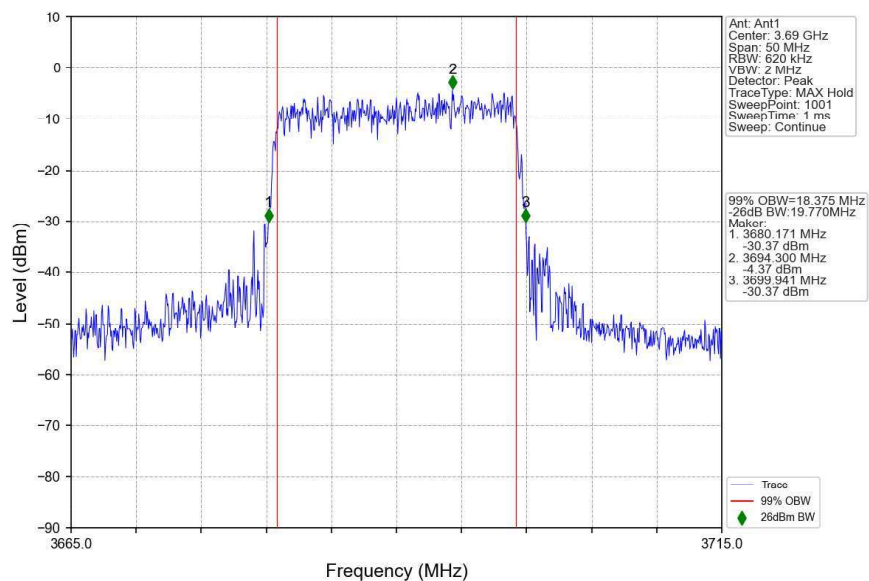
n48_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3560.01MHz_Outer_Full



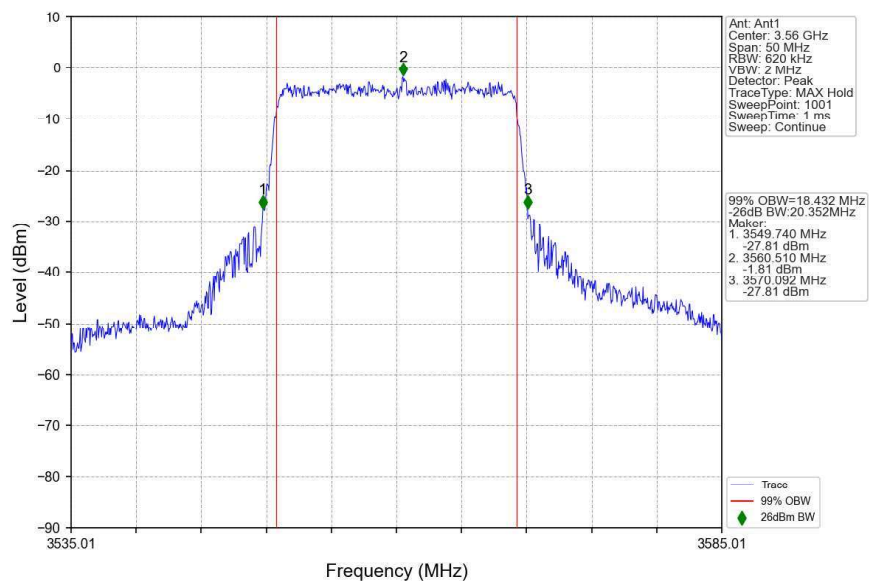
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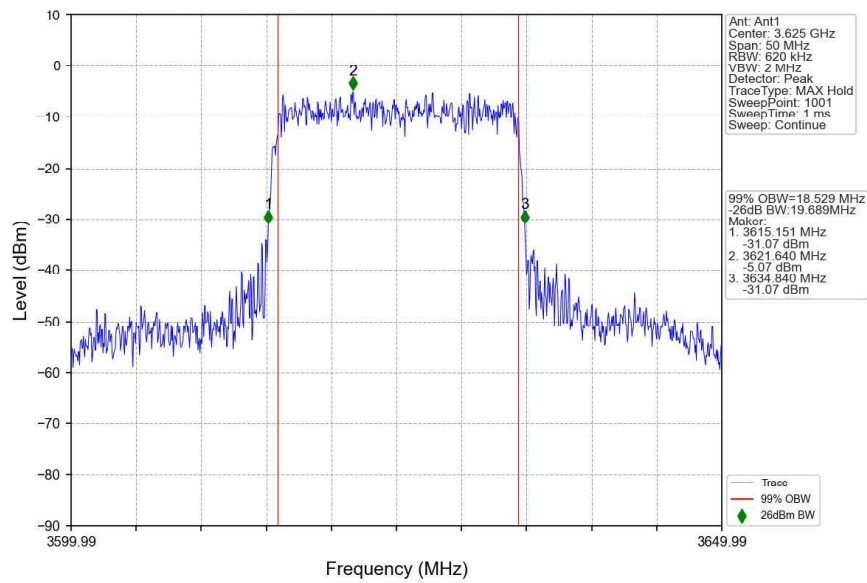
n48_30kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_3690MHz_Outer_Full



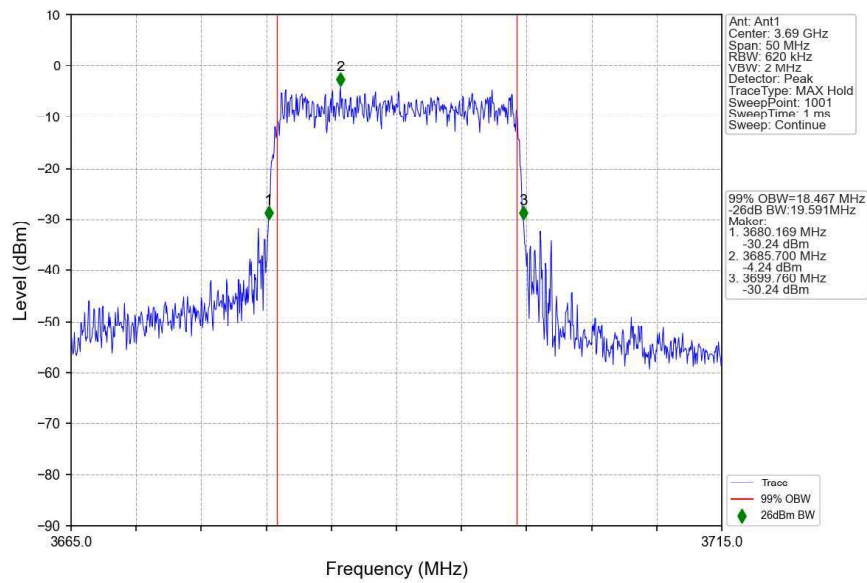
n48_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3560.01MHz_Outer_Full



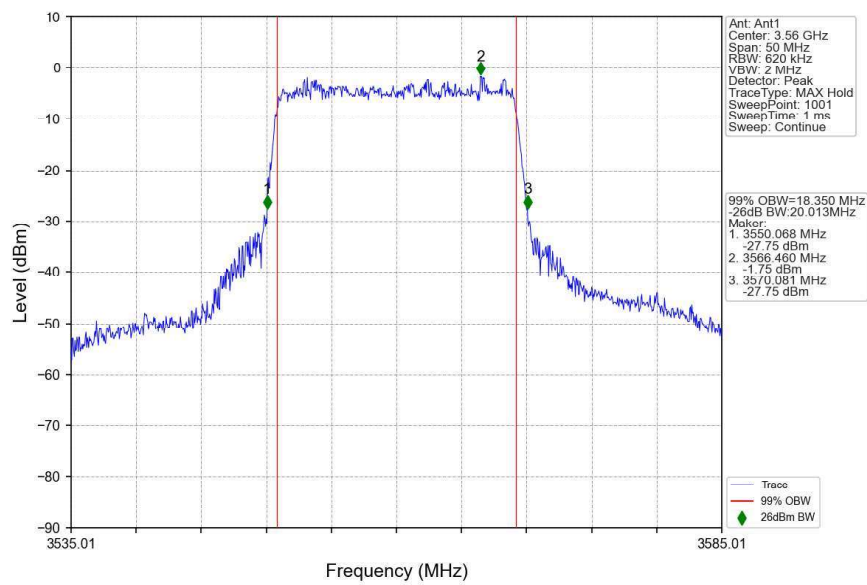
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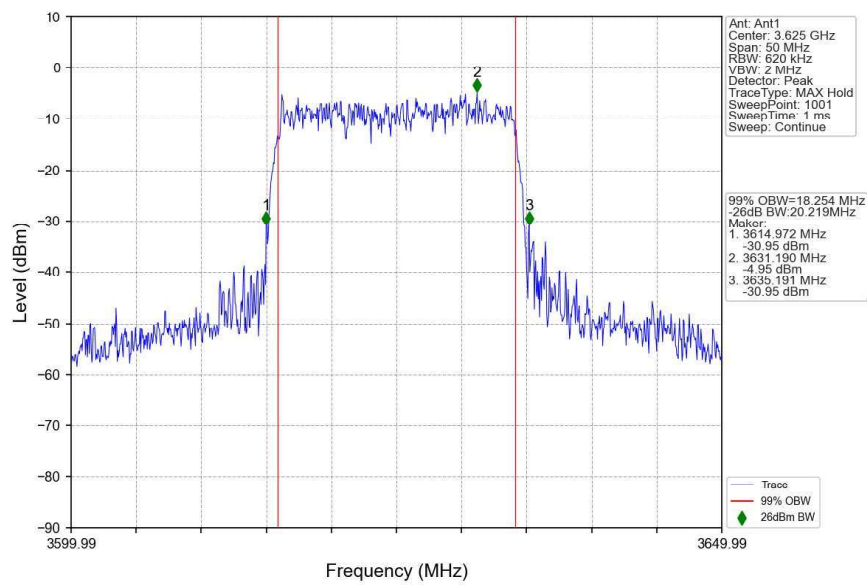
n48_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3690MHz_Outer_Full



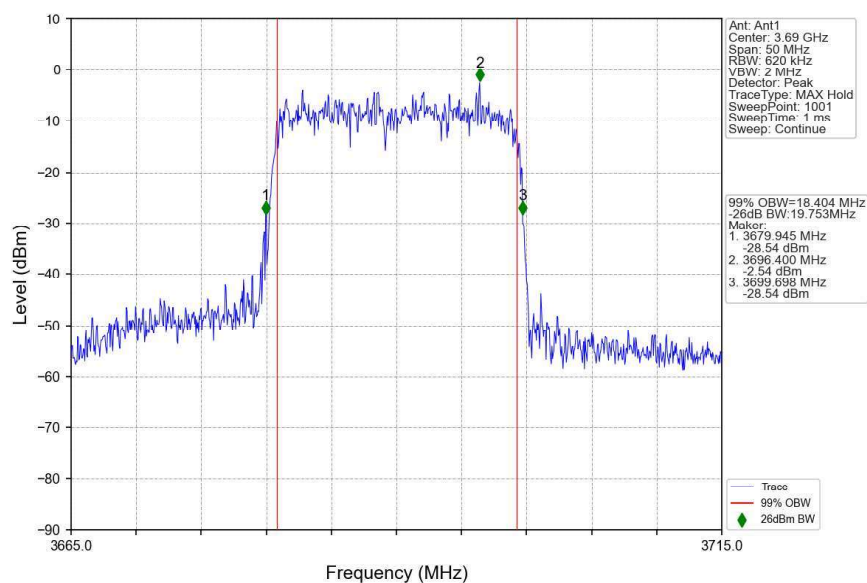
n48_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3560.01MHz_Outer_Full



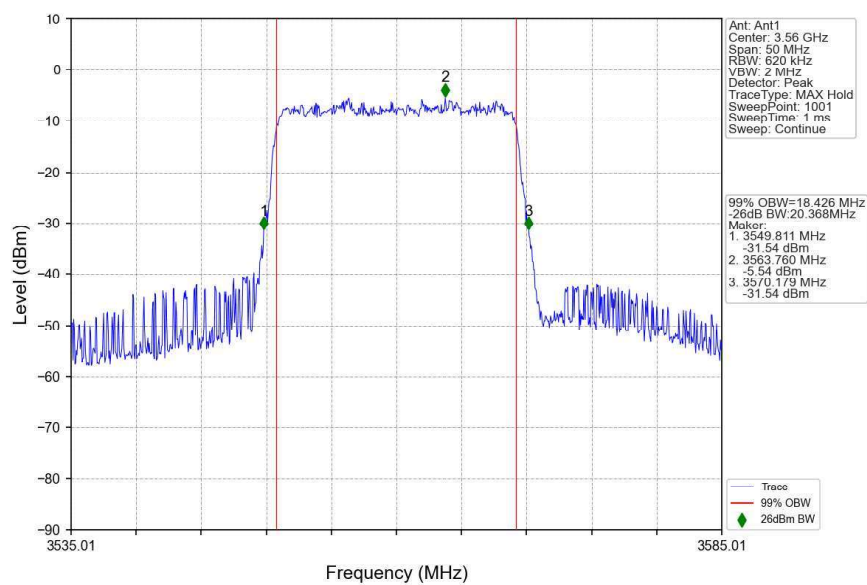
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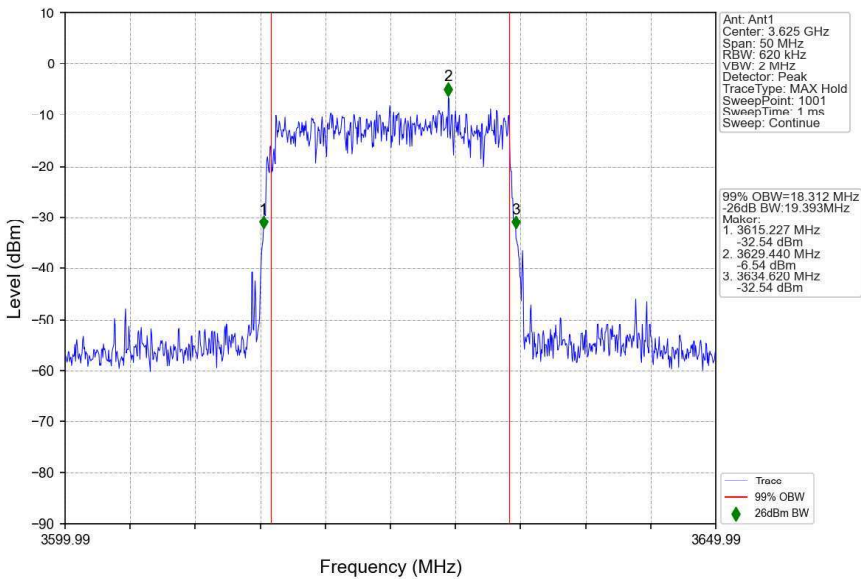
n48_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3690MHz_Outer_Full



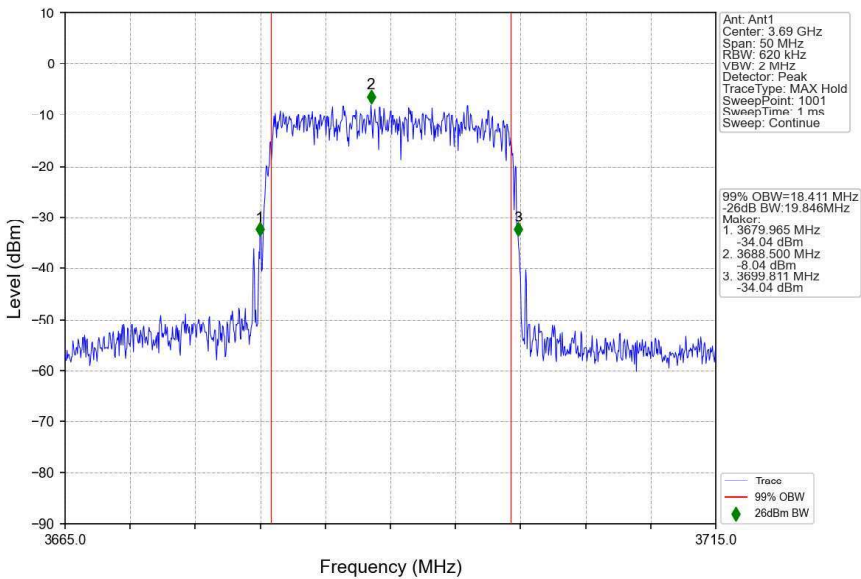
n48_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3560.01MHz_Outer_Full



n48_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



n48_30kHz_SISO_NTNV_20MHz_CP-OFDM 256 QAM_3690MHz_Outer_Full

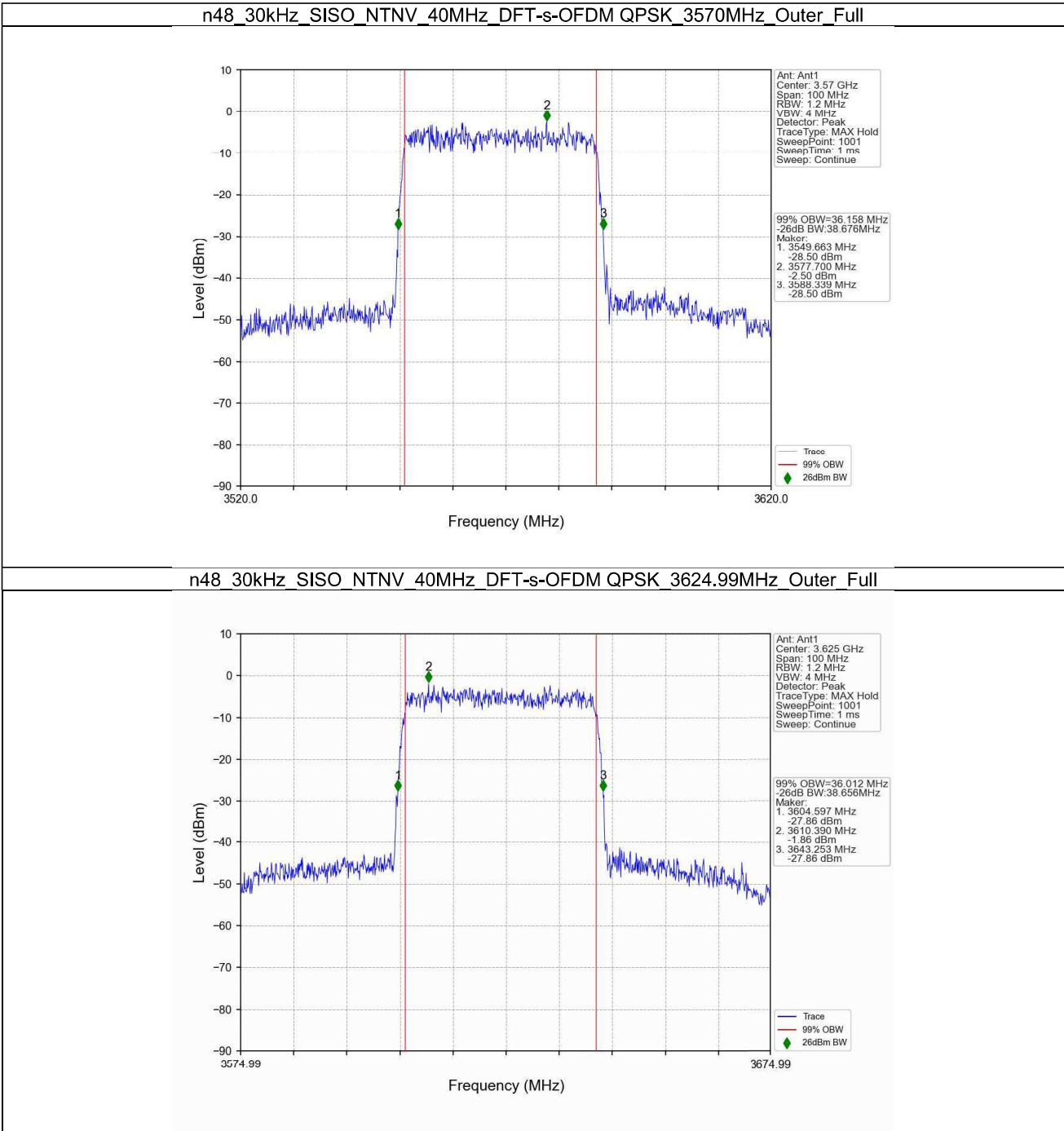


1.3 30k_SISO_40MHz_NTNV

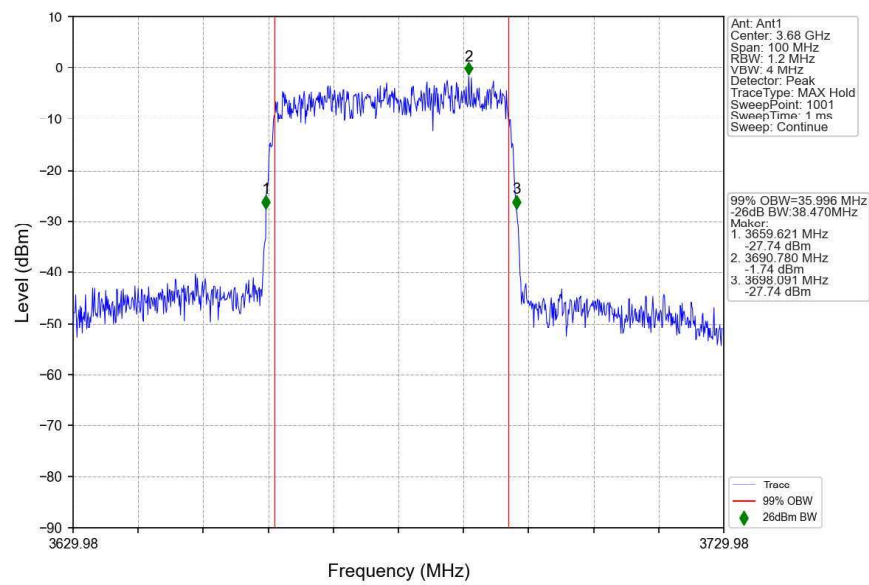
1.3.1 Test Result

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 QPSK	3570	Outer_Full	36.16	38.68	/	Pass
	3624.99	Outer_Full	36.01	38.66	/	Pass
	3679.98	Outer_Full	36.00	38.47	/	Pass
DFT-s-OFDM 16 QAM	3570	Outer_Full	36.12	38.45	/	Pass
	3624.99	Outer_Full	12.50	13.45	/	Pass
	3679.98	Outer_Full	36.01	38.45	/	Pass
DFT-s-OFDM 64 QAM	3570	Outer_Full	36.02	38.37	/	Pass
	3624.99	Outer_Full	35.95	38.51	/	Pass
	3679.98	Outer_Full	35.65	38.37	/	Pass
DFT-s-OFDM 256 QAM	3570	Outer_Full	36.02	38.40	/	Pass
	3624.99	Outer_Full	35.94	38.63	/	Pass
	3679.98	Outer_Full	36.08	38.54	/	Pass
CP-OFDM QPSK	3570	Outer_Full	38.12	40.63	/	Pass
	3624.99	Outer_Full	37.83	40.42	/	Pass
	3679.98	Outer_Full	37.92	40.90	/	Pass
CP-OFDM 16 QAM	3570	Outer_Full	37.85	40.49	/	Pass
	3624.99	Outer_Full	37.95	40.37	/	Pass
	3679.98	Outer_Full	38.19	40.38	/	Pass
CP-OFDM 64 QAM	3570	Outer_Full	38.01	40.73	/	Pass
	3624.99	Outer_Full	37.76	40.05	/	Pass
	3679.98	Outer_Full	38.13	40.59	/	Pass
CP-OFDM 256 QAM	3570	Outer_Full	38.09	40.47	/	Pass
	3624.99	Outer_Full	31.10	32.72	/	Pass
	3679.98	Outer_Full	38.08	40.54	/	Pass

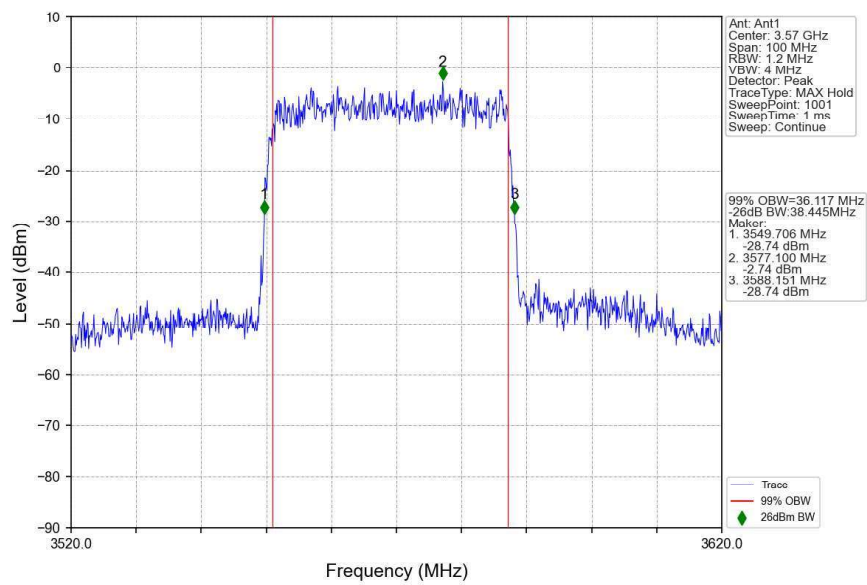
1.3.2 Test Graph



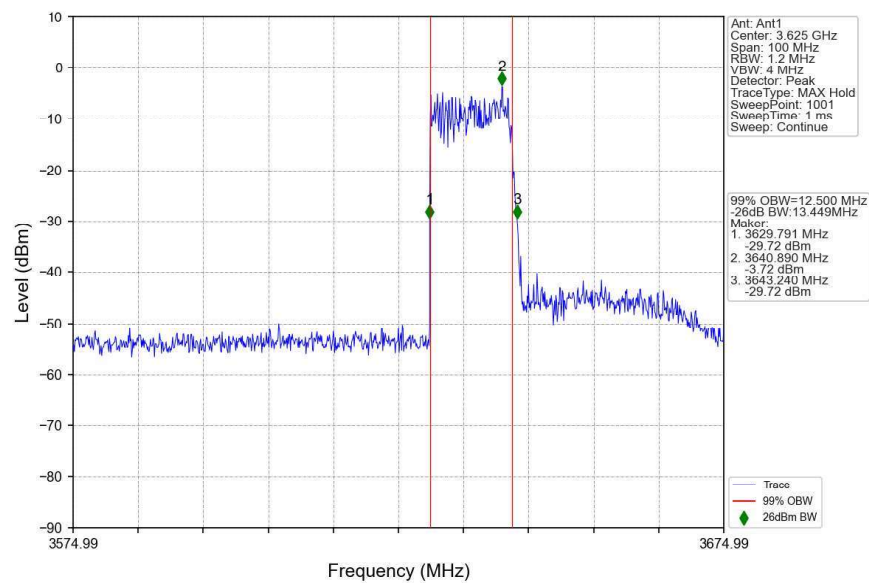
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3679.98MHz_Outer_Full



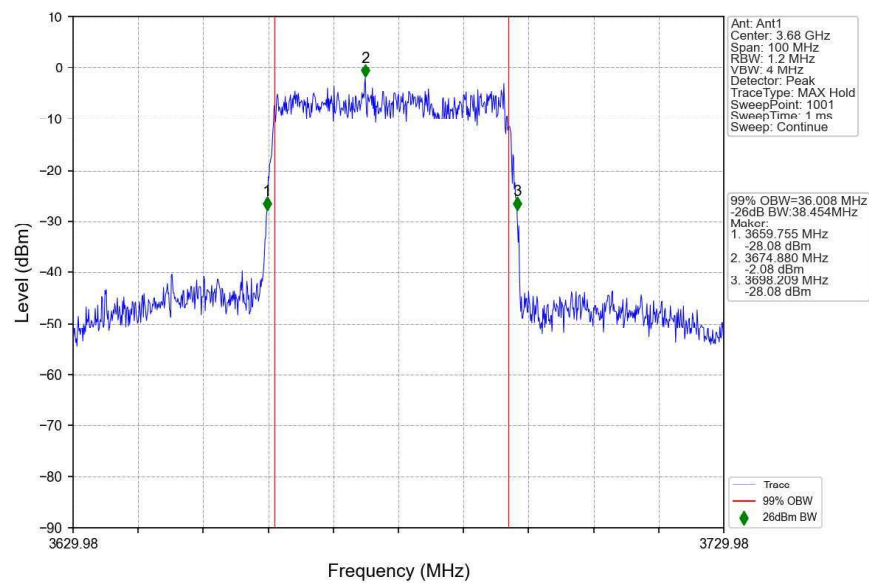
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3570MHz_Outer_Full



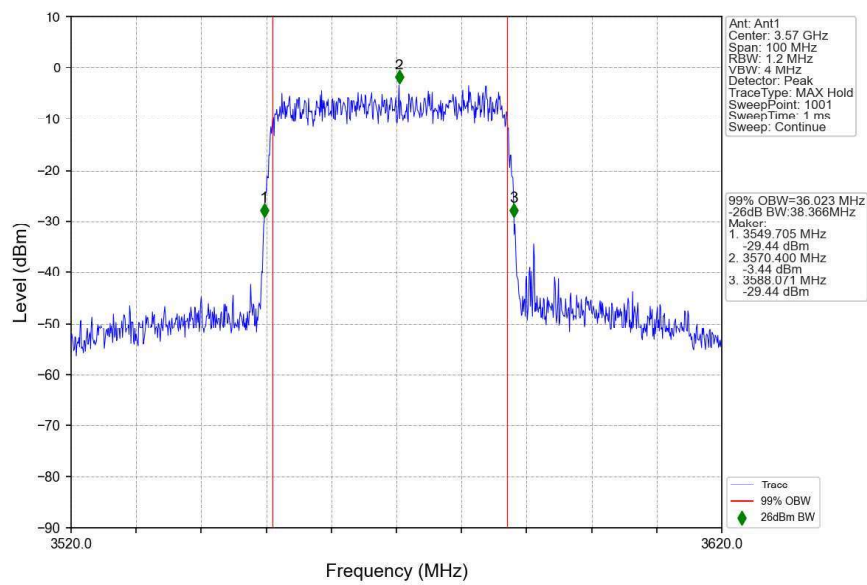
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



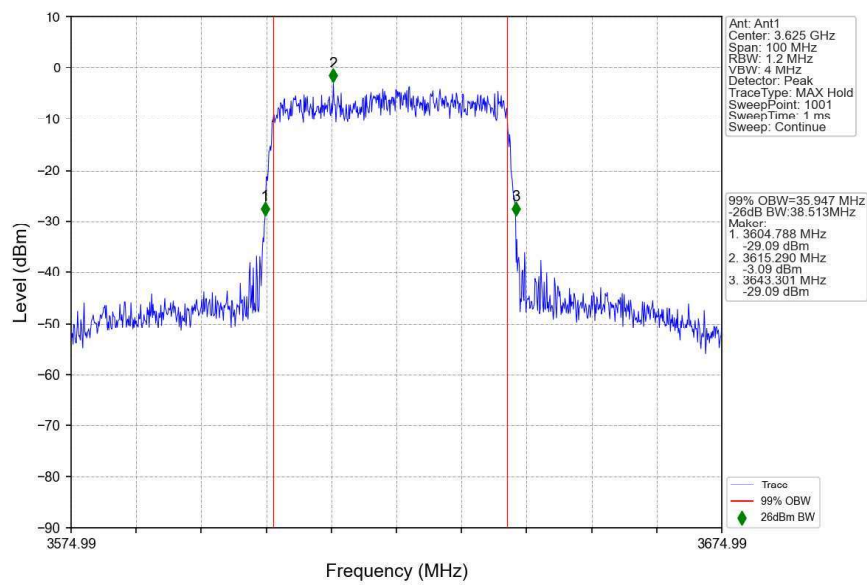
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 16 QAM_3679.98MHz_Outer_Full



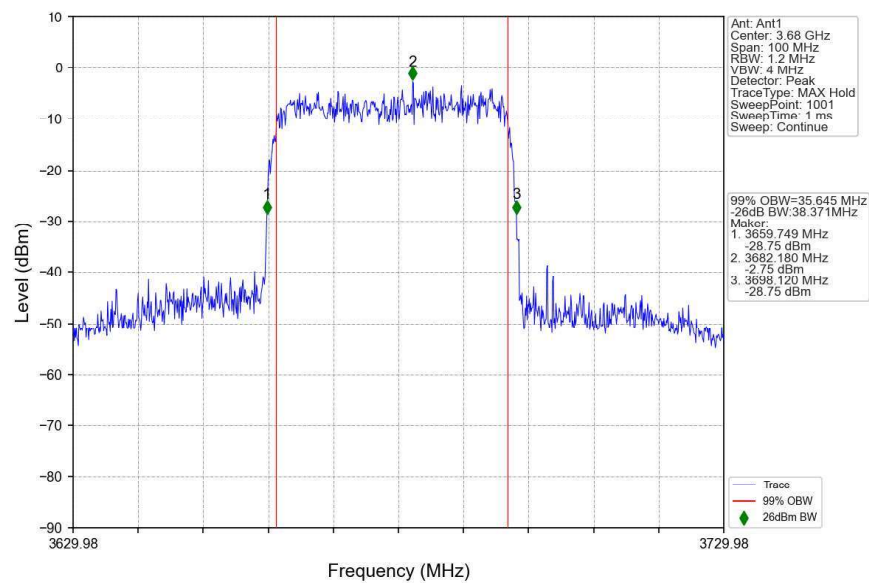
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3570MHz_Outer_Full



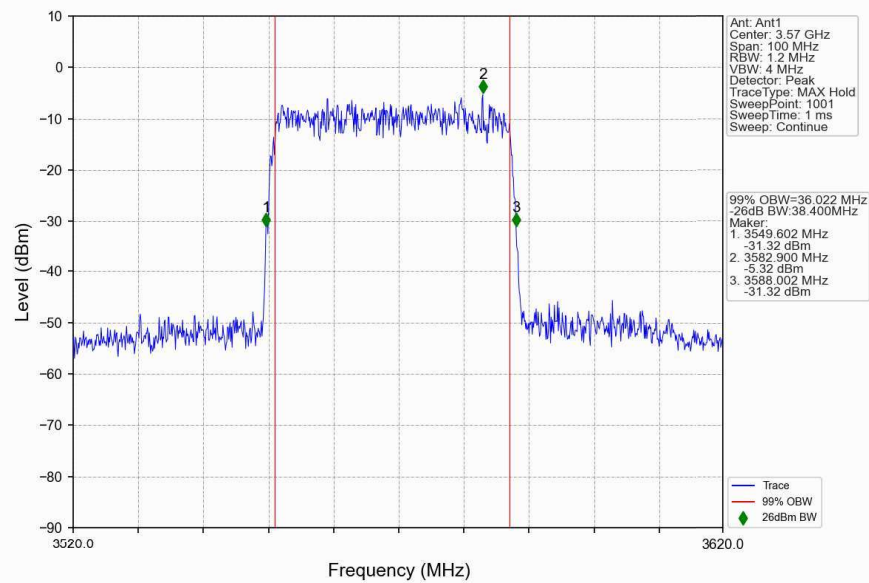
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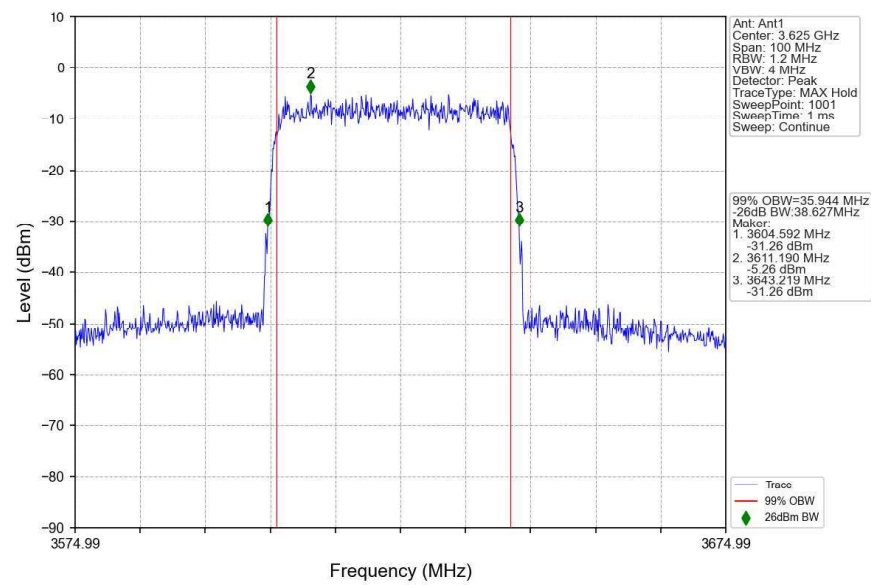
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 64 QAM_3679.98MHz_Outer_Full



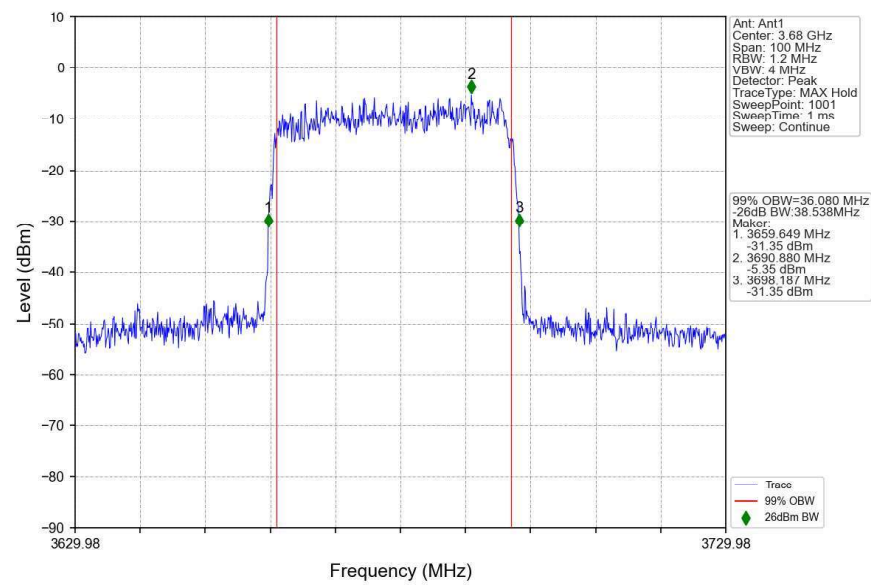
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3570MHz_Outer_Full



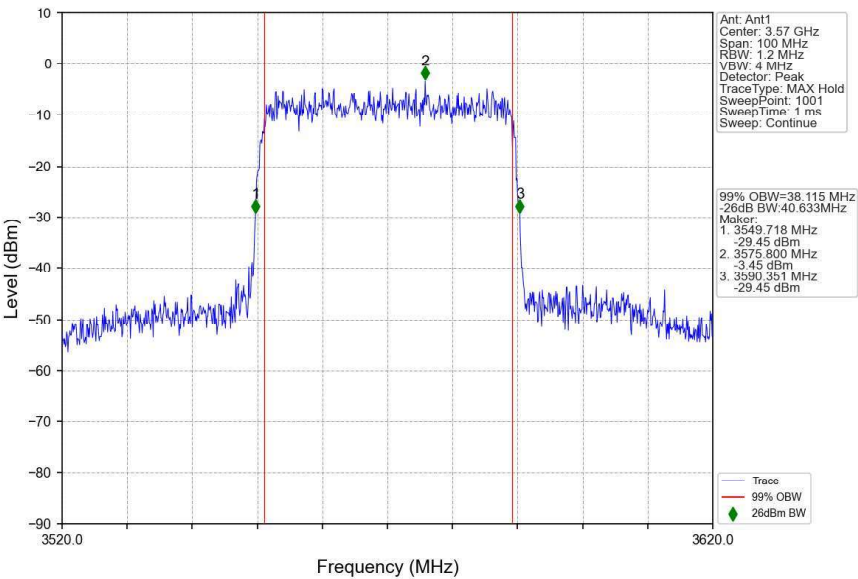
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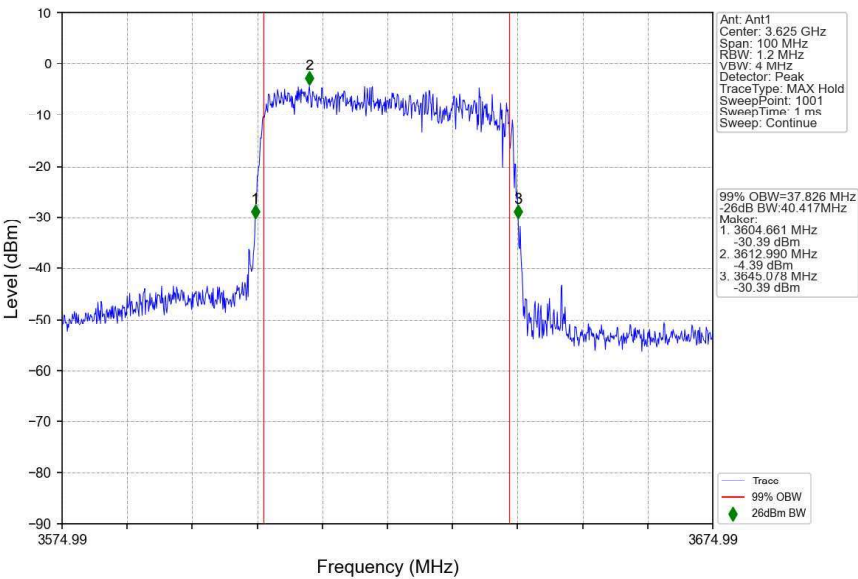
n48_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM 256 QAM_3679.98MHz_Outer_Full



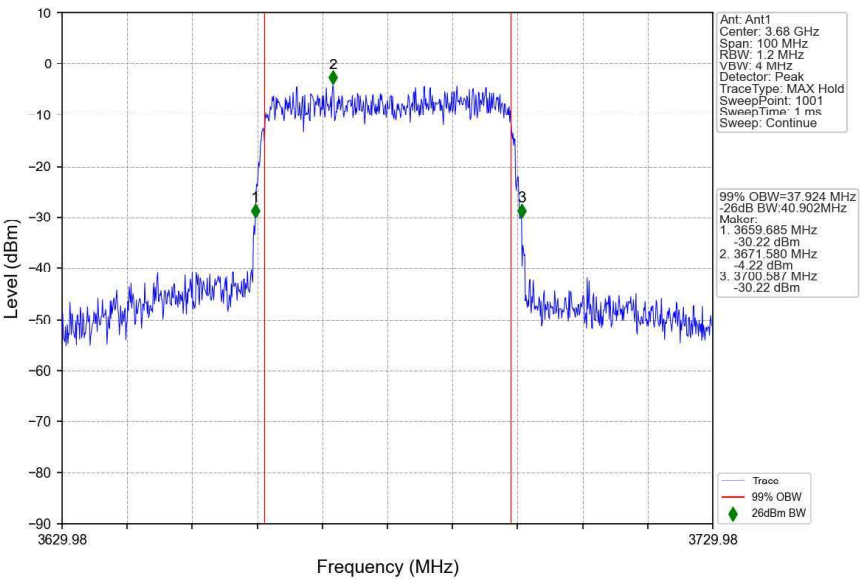
n48_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3570MHz_Outer_Full



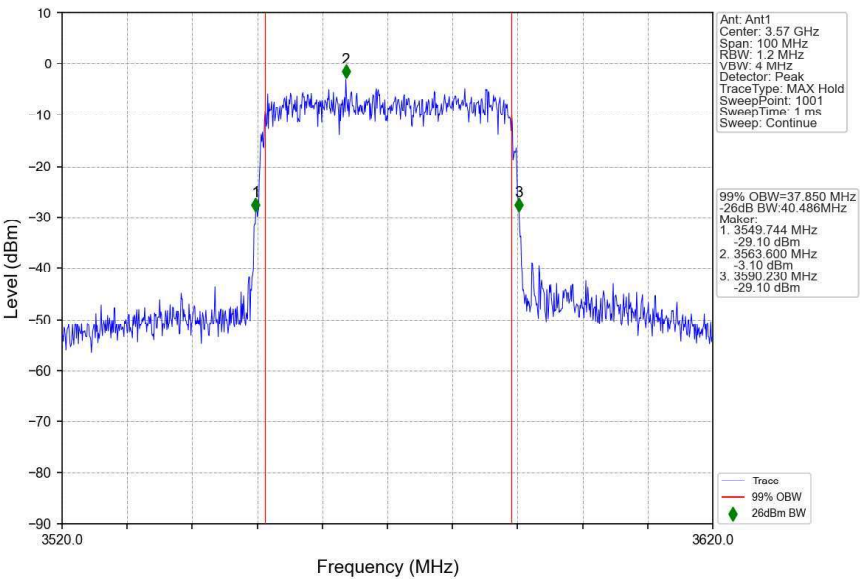
n48_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3624.99MHz_Outer_Full



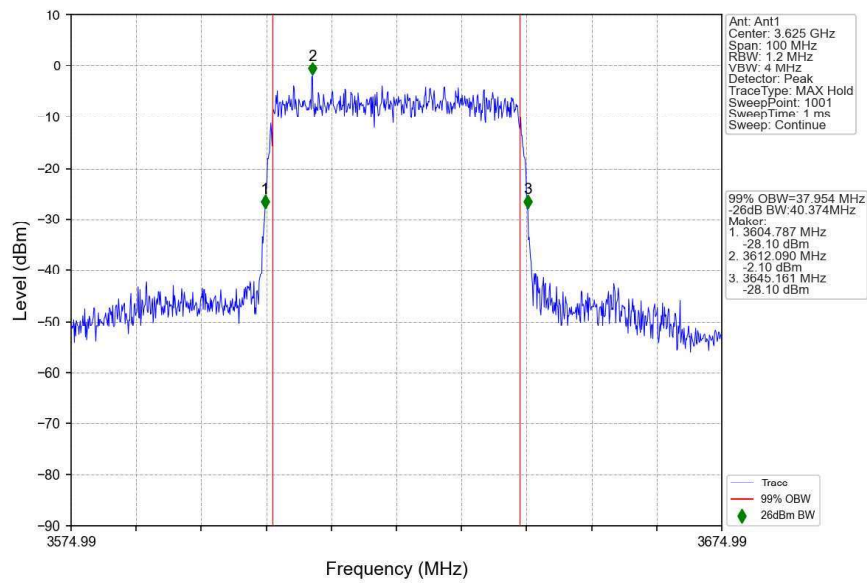
n48_30kHz_SISO_NTNV_40MHz_CP-OFDM QPSK_3679.98MHz_Outer_Full



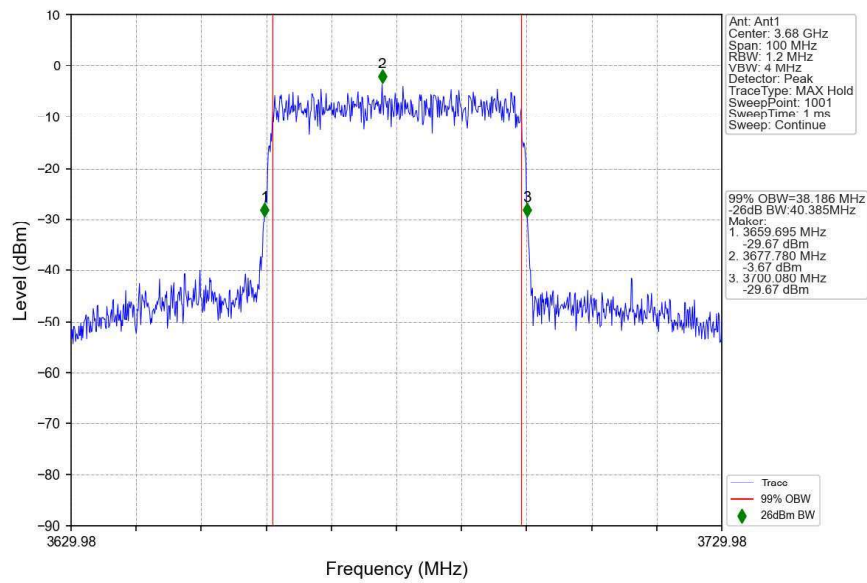
n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3570MHz_Outer_Full



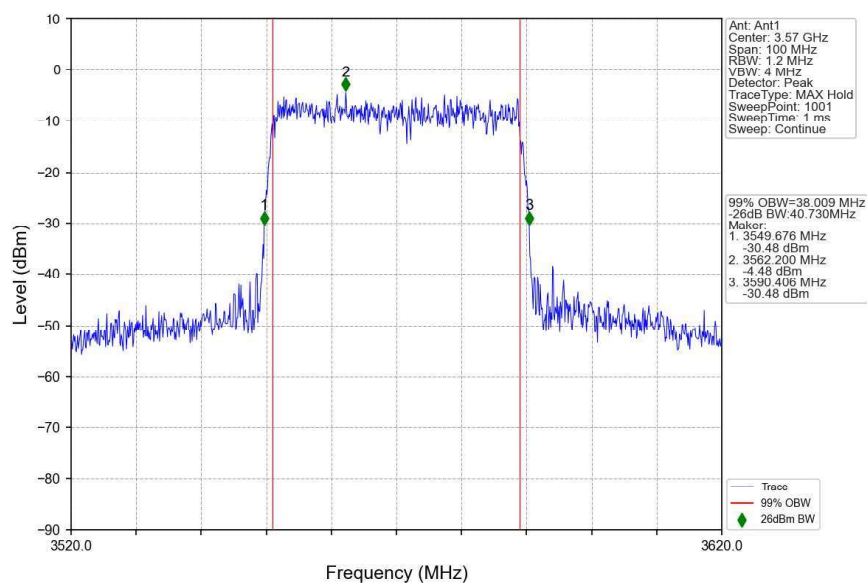
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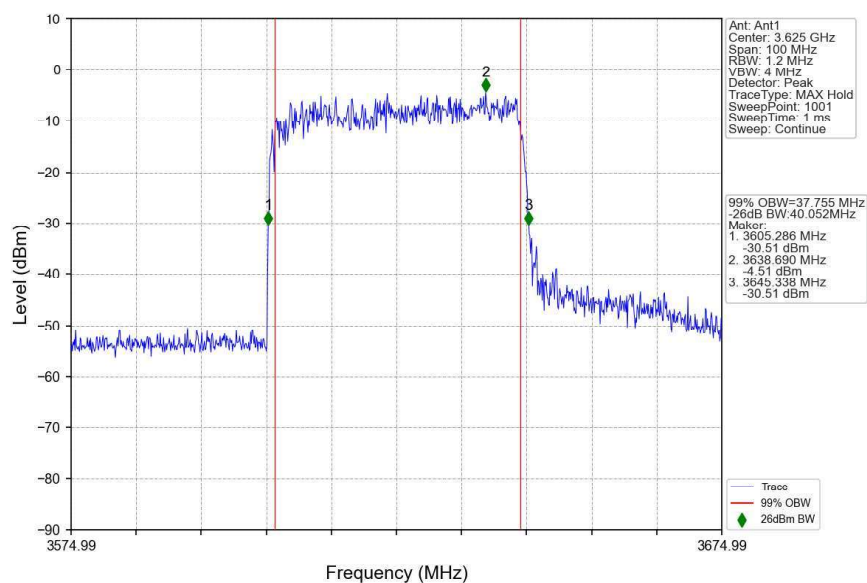
n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3679.98MHz_Outer_Full



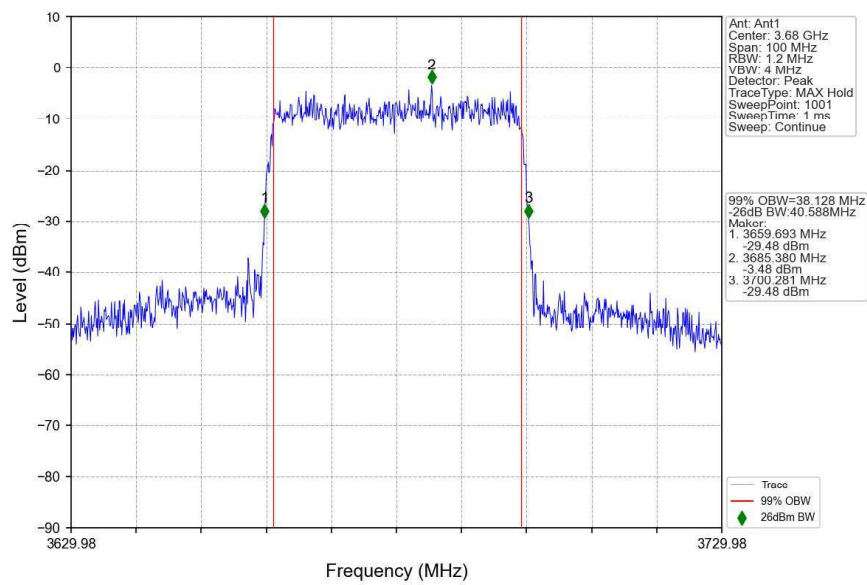
n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3570MHz_Outer_Full



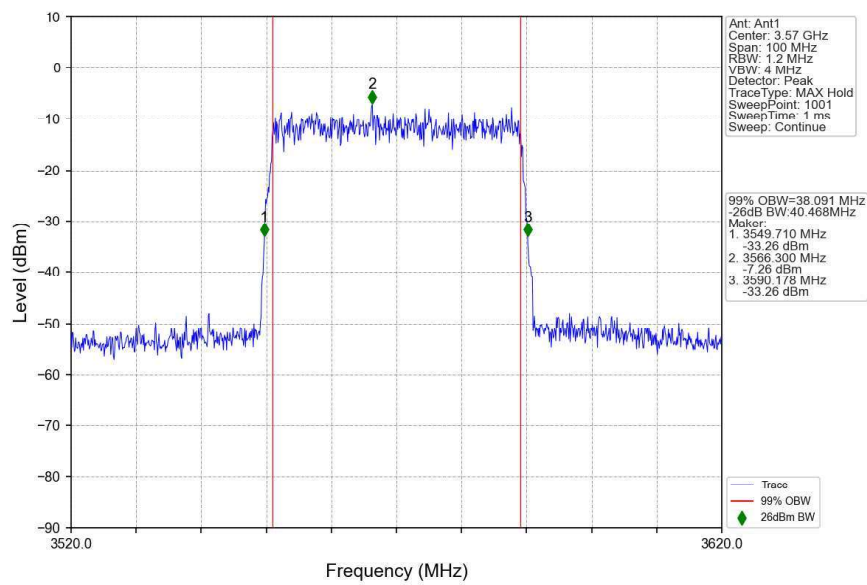
n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



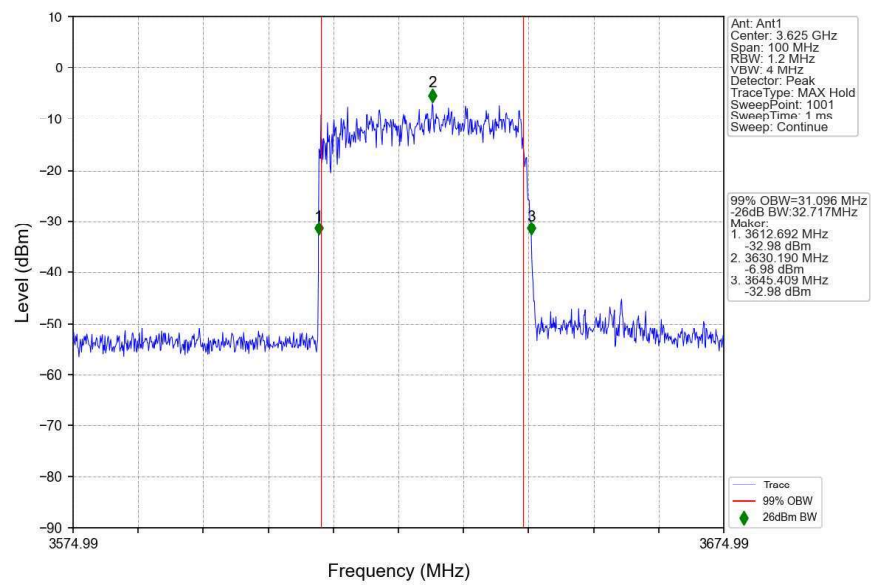
n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3679.98MHz_Outer_Full



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



n48_30kHz_SISO_NTNV_40MHz_CP-OFDM 256 QAM_3679.98MHz_Outer_Full

