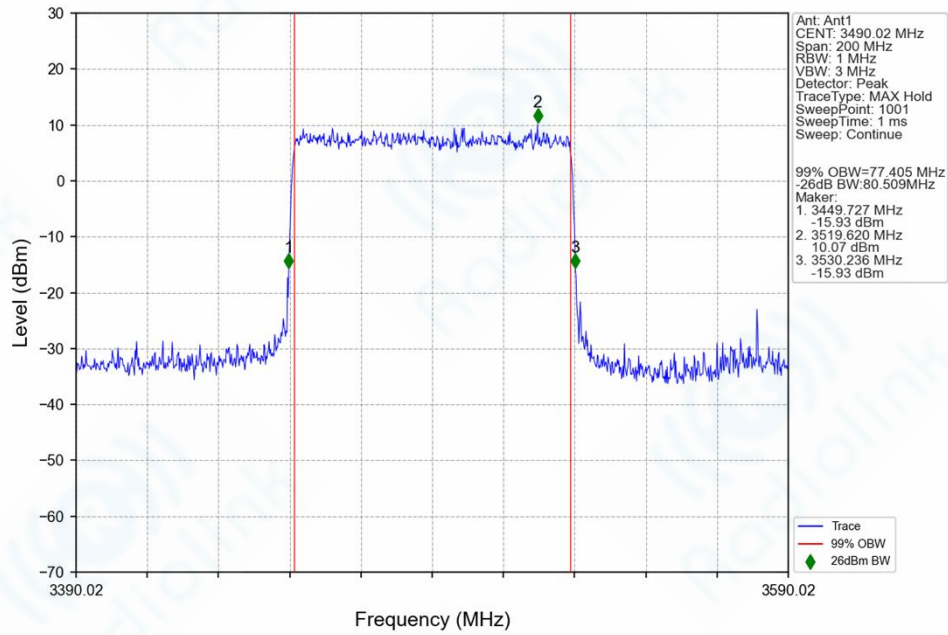
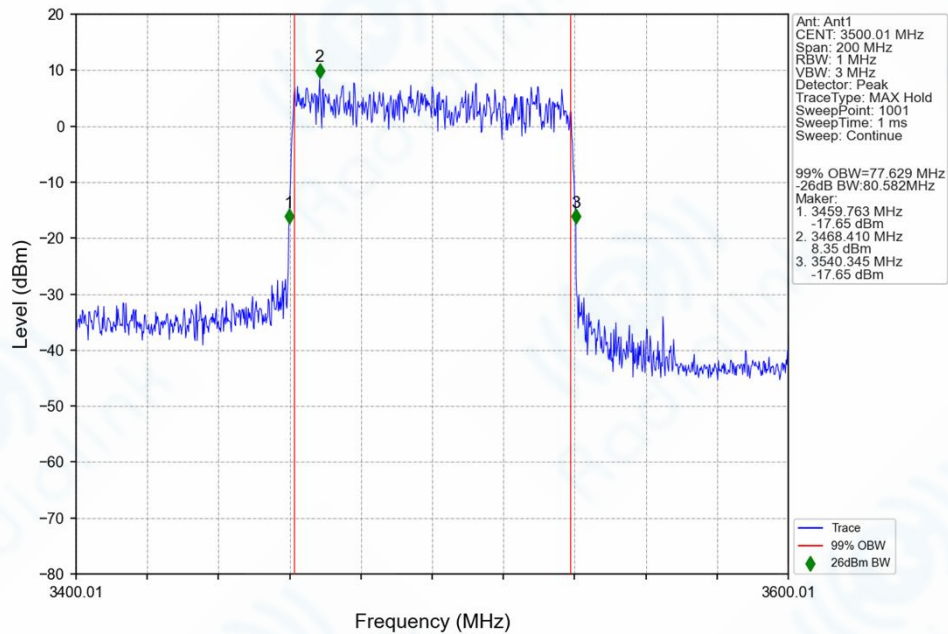


n78e_30kHz_SISO_NTNV_80MHz_CP-OFDM_16_QAM_3490.02MHz_Outer_Full_Ant1



n78e_30kHz_SISO_NTNV_80MHz_CP-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant1

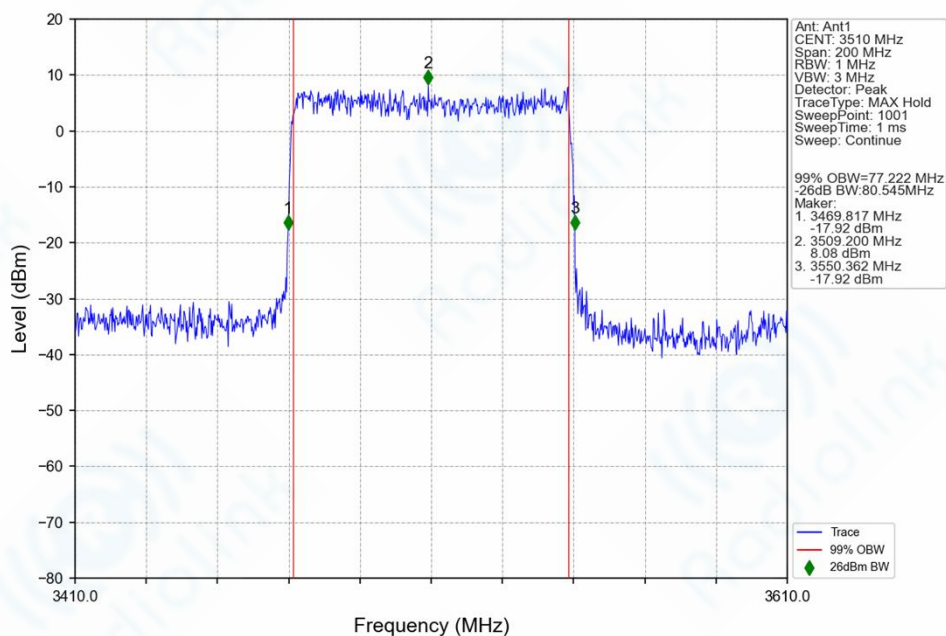


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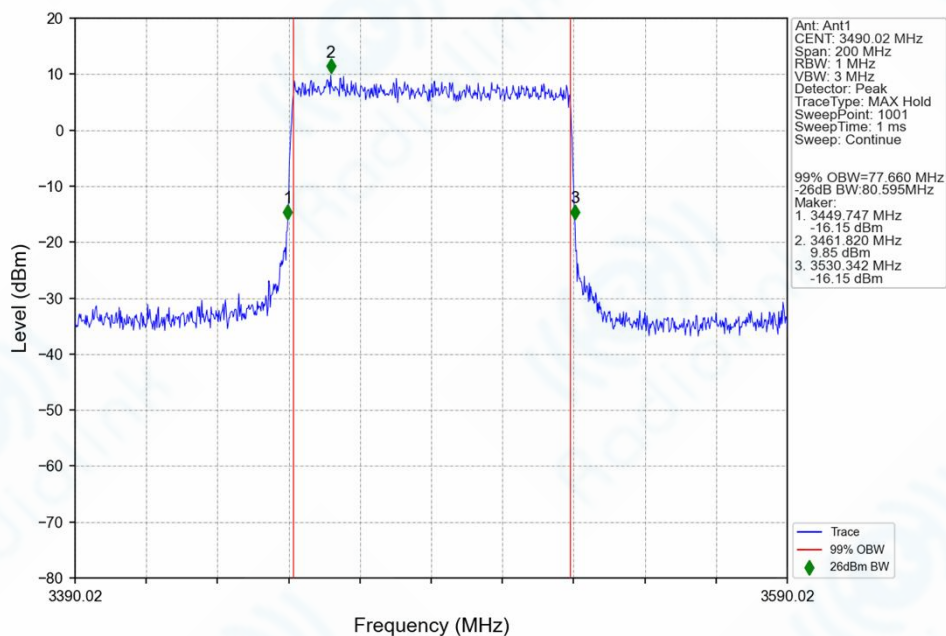
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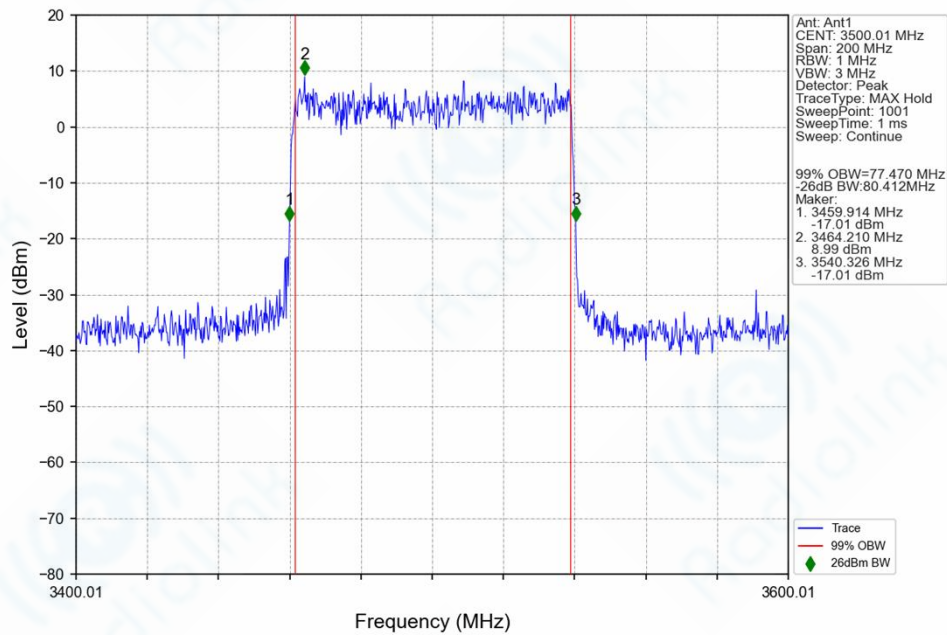
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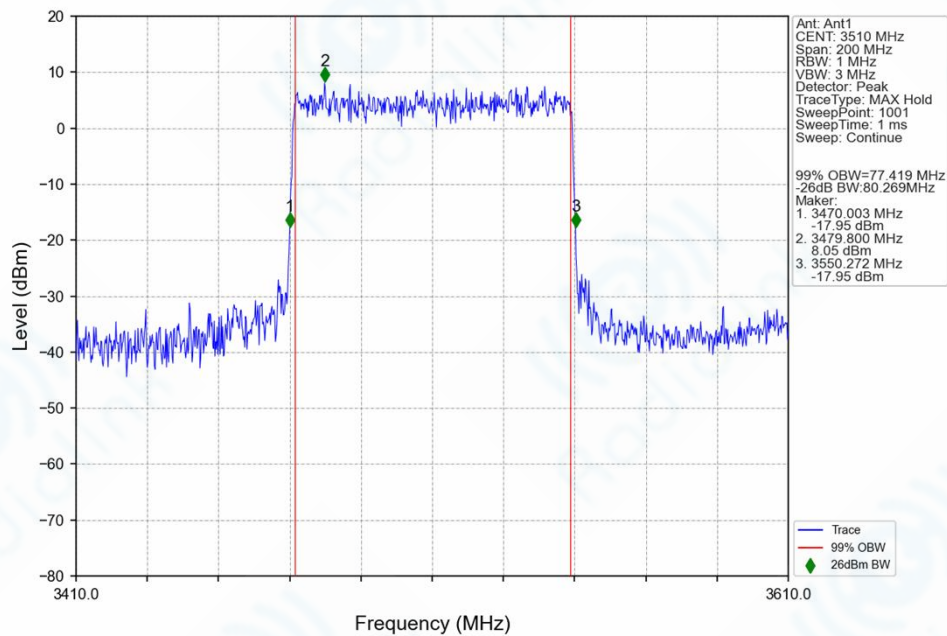
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n78e_30kHz_SISO_NTNV_80MHz_CP-OFDM 64 QAM_3500.01MHz_Outer_Full_Ant1

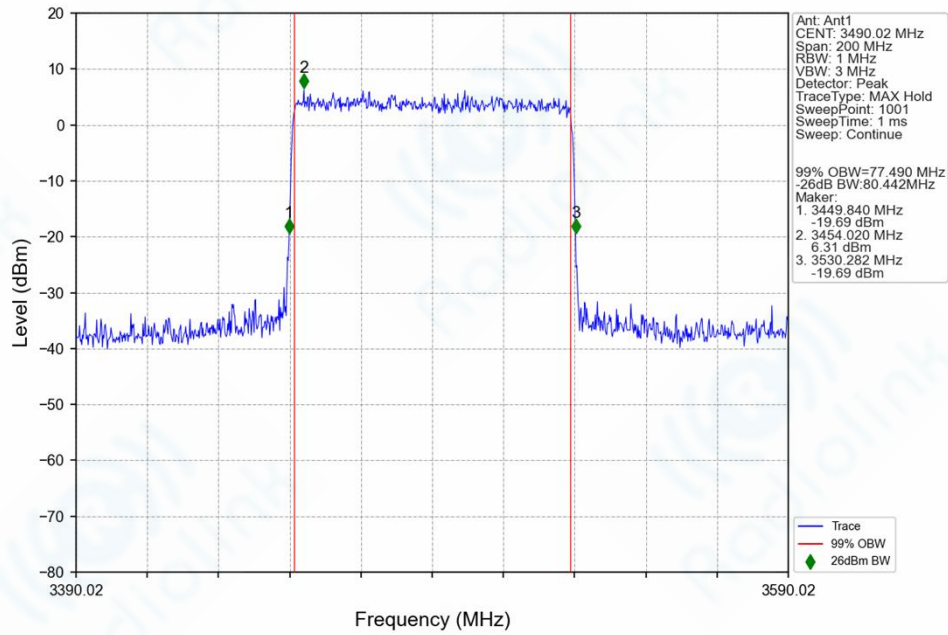


n78e_30kHz_SISO_NTNV_80MHz_CP-OFDM 64 QAM_3510MHz_Outer_Full_Ant1

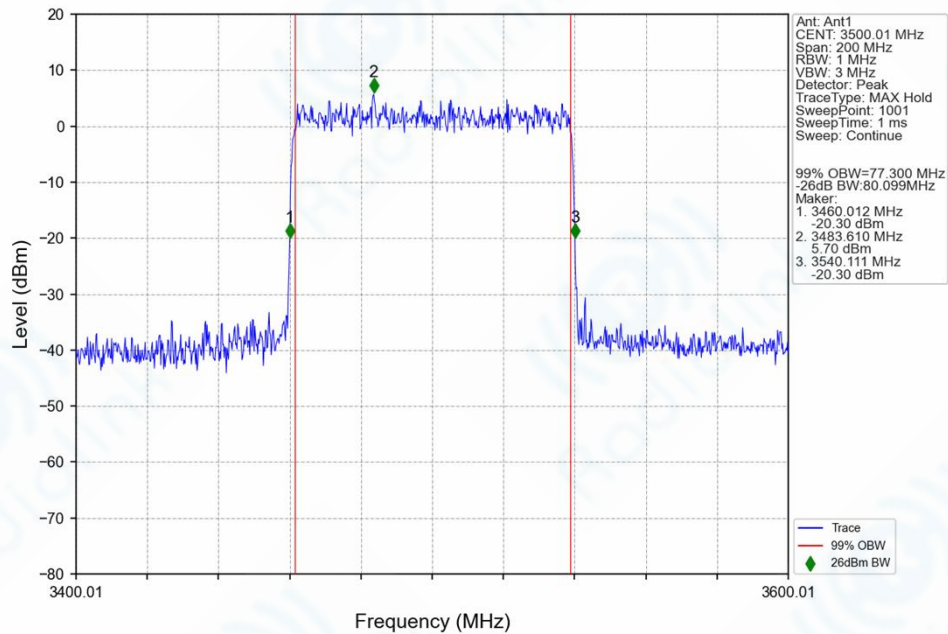

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n78e_30kHz_SISO_NTNV_80MHz_CP-OFDM_256_QAM_3490.02MHz_Outer_Full_Ant1



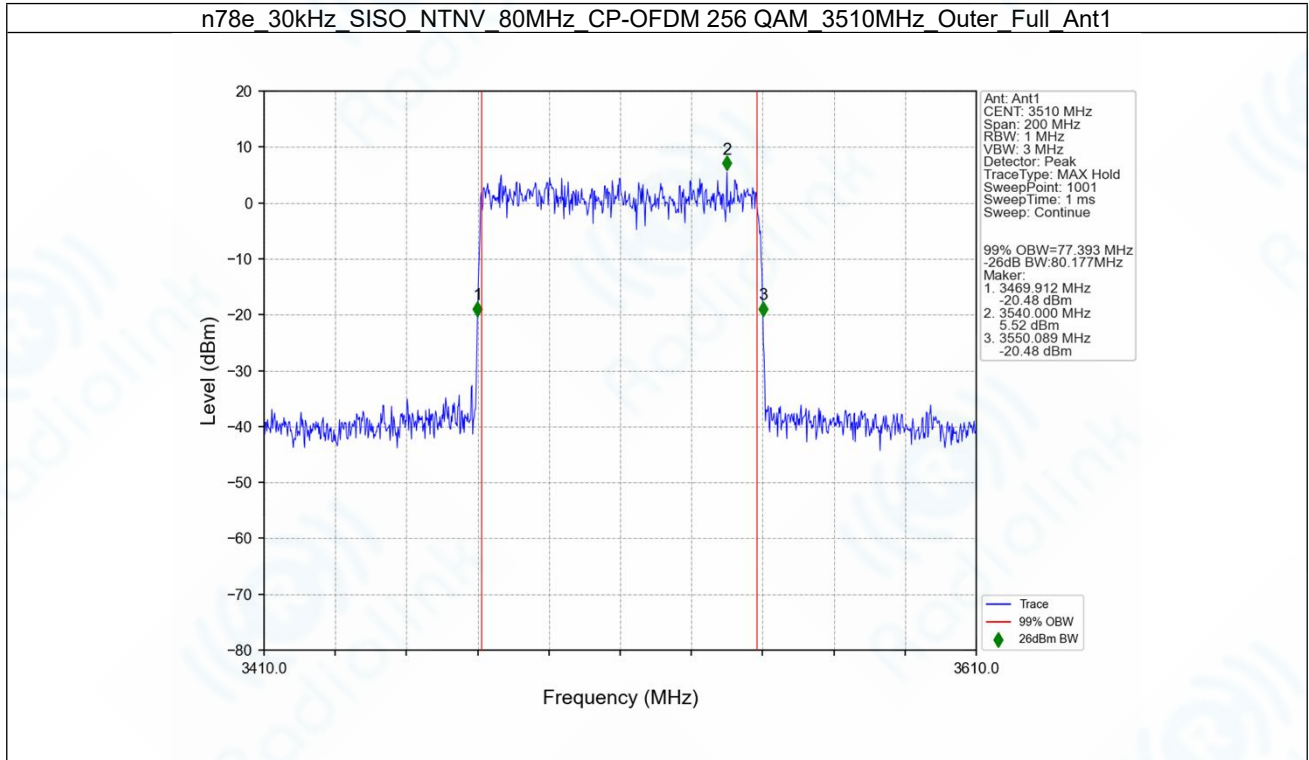
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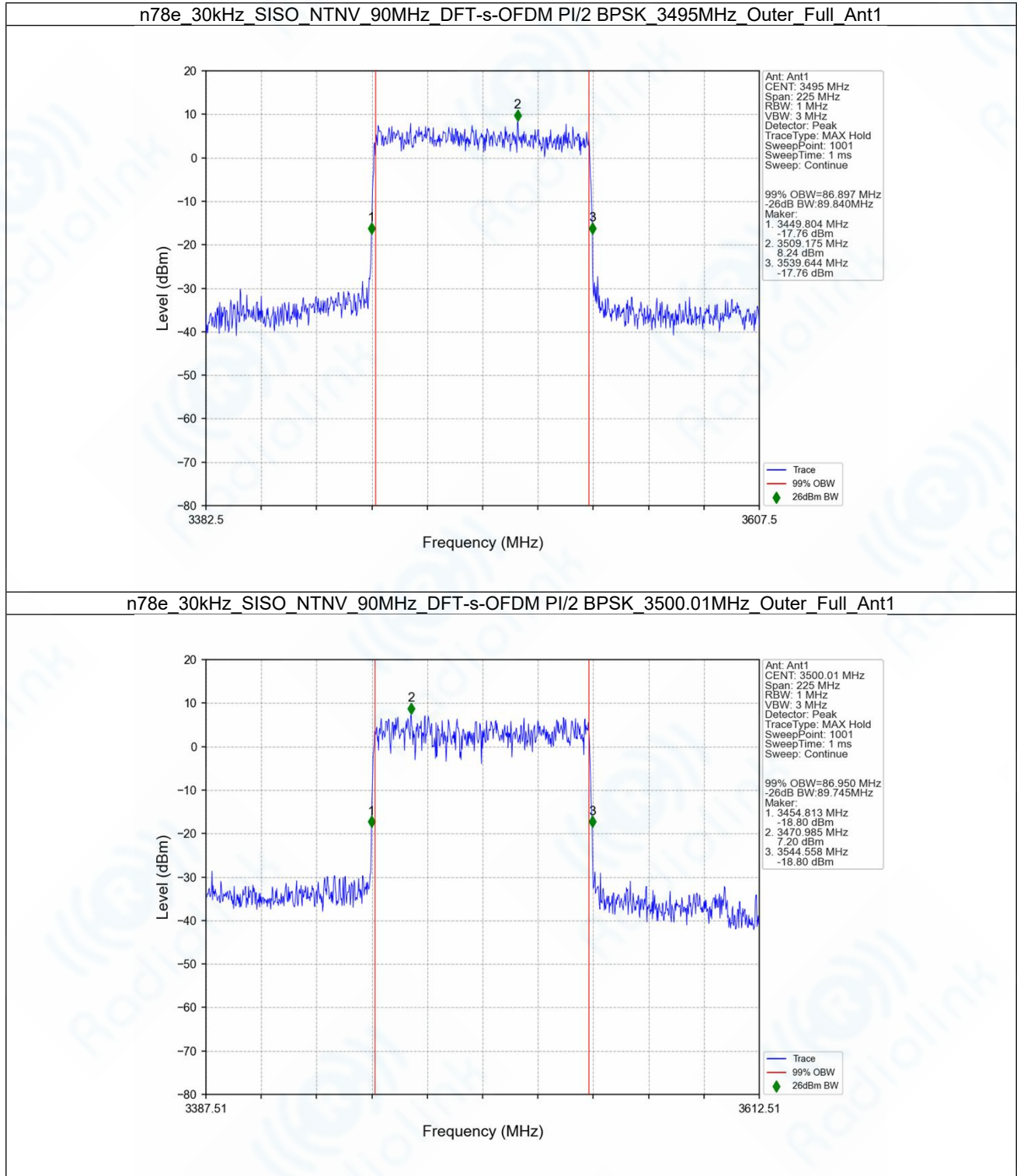
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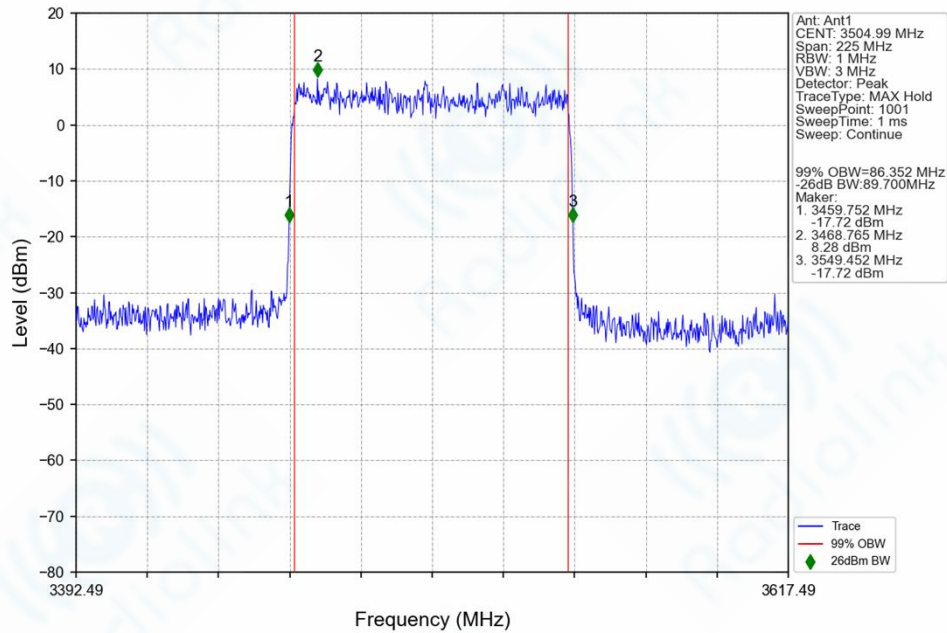
3.2.9 30_S_90M_NTNV



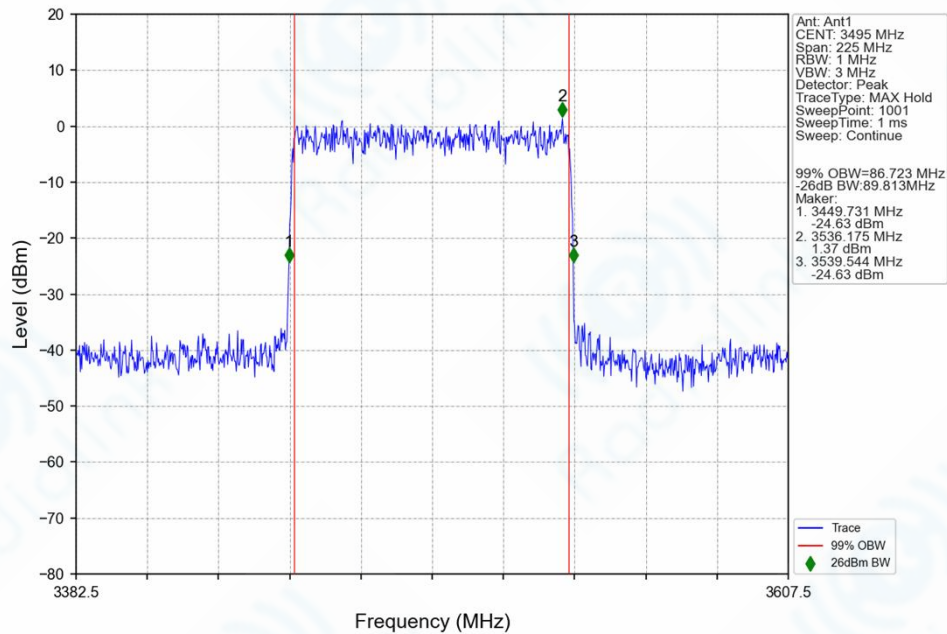
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n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_3504.99MHz_Outer_Full_Ant1



n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_3495MHz_Outer_Full_Ant1

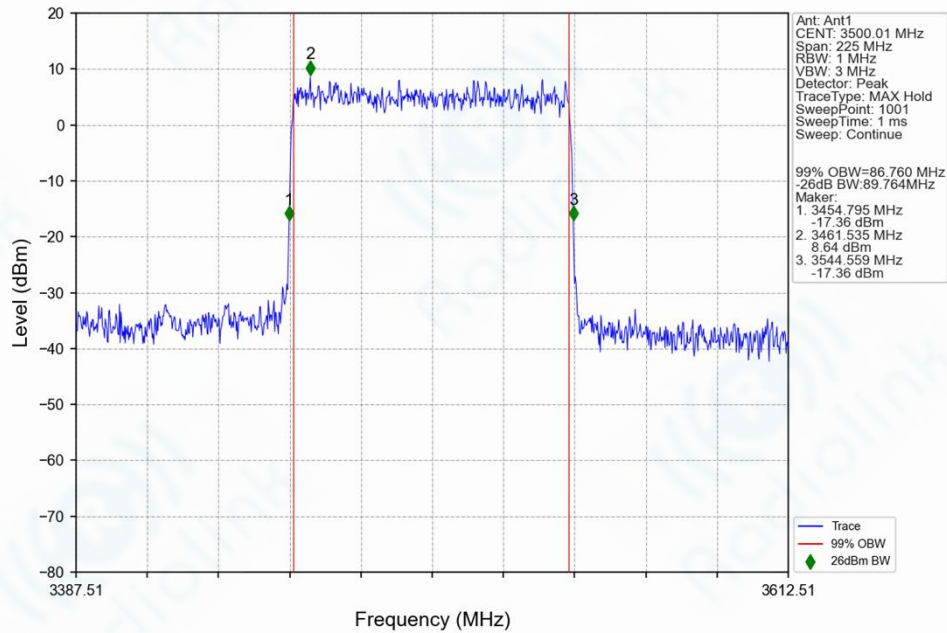


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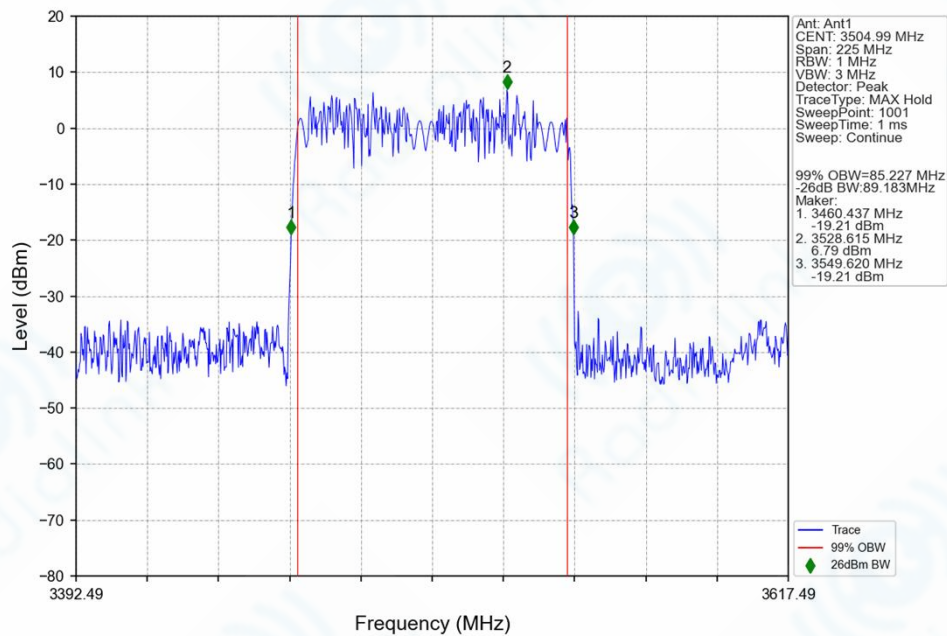
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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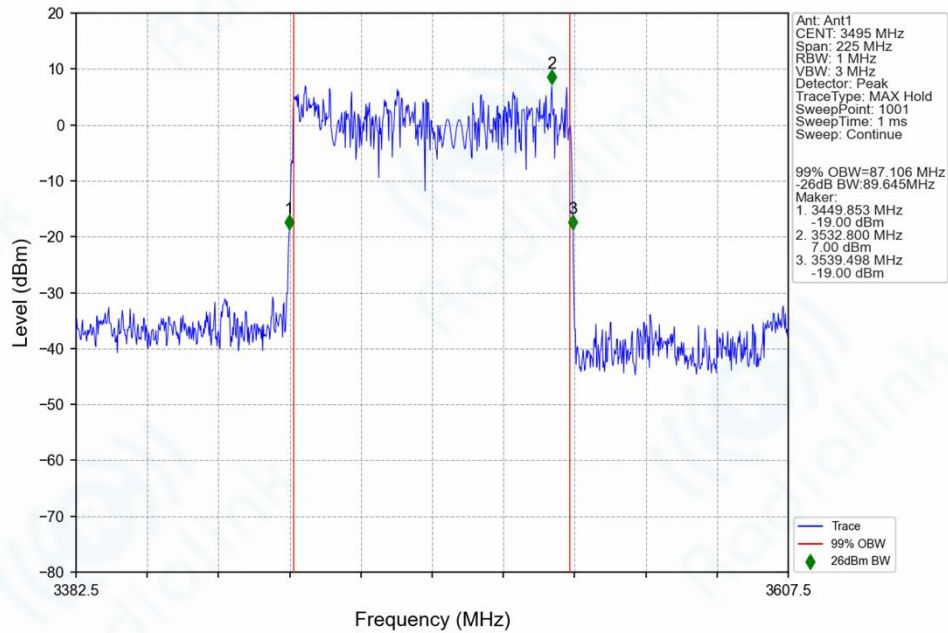
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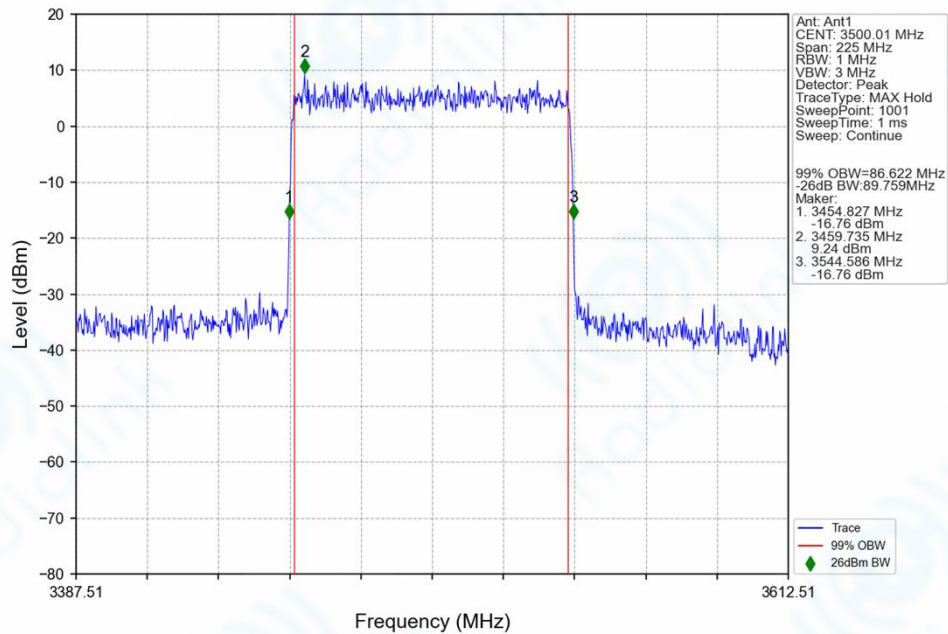
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n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_3495MHz_Outer_Full_Ant1



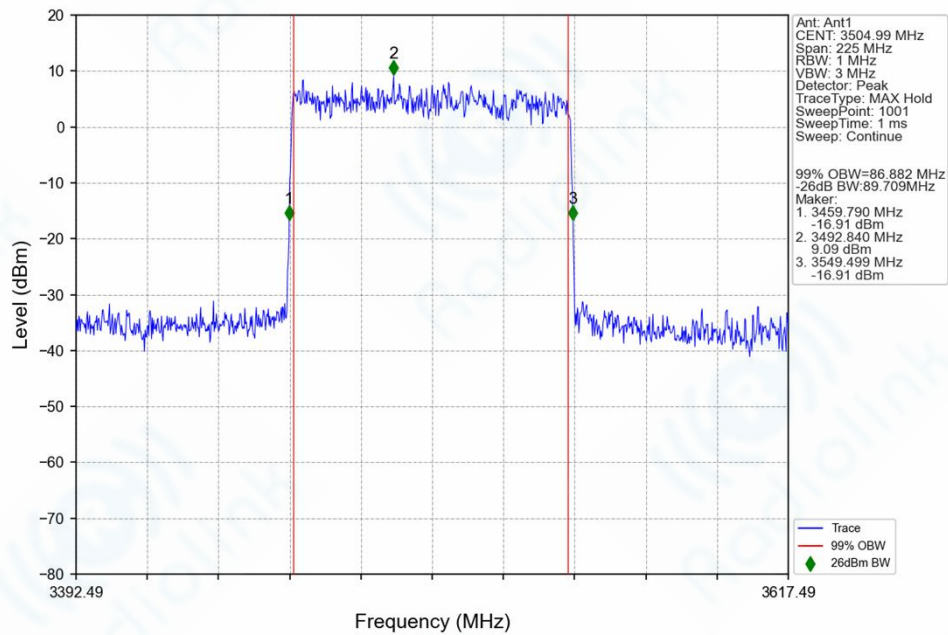
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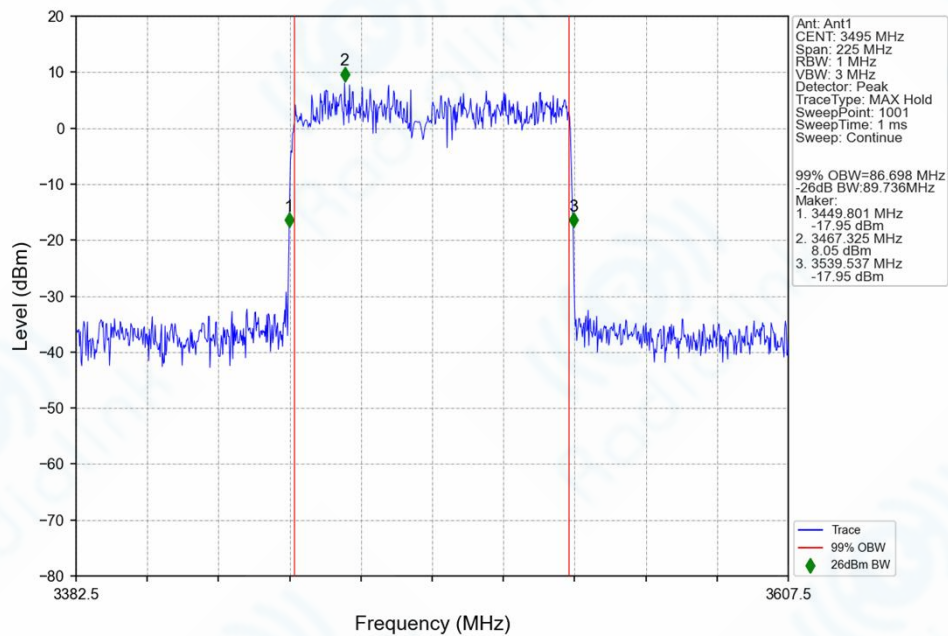
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n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_16_QAM_3504.99MHz_Outer_Full_Ant1

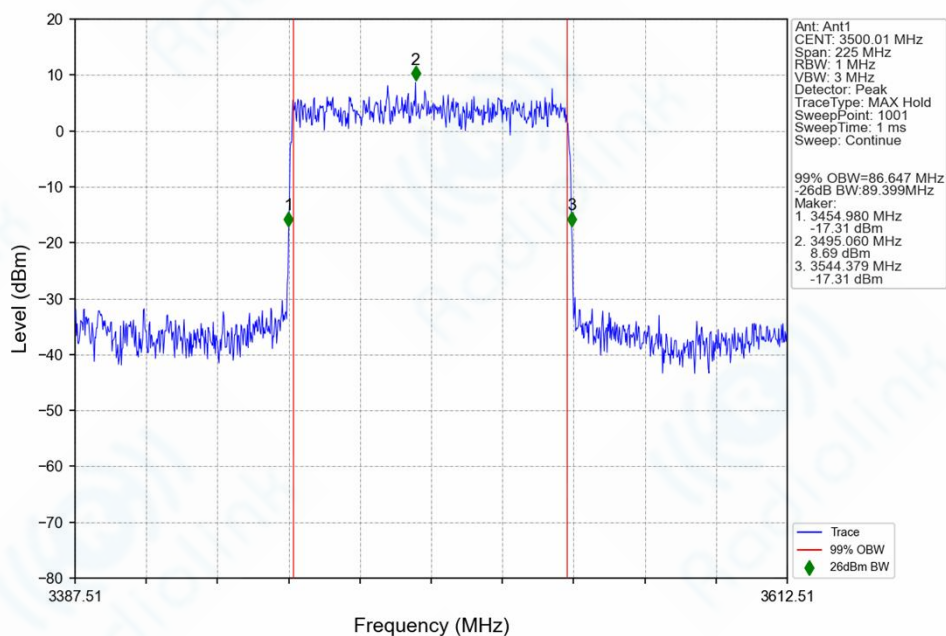


n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_64_QAM_3495MHz_Outer_Full_Ant1

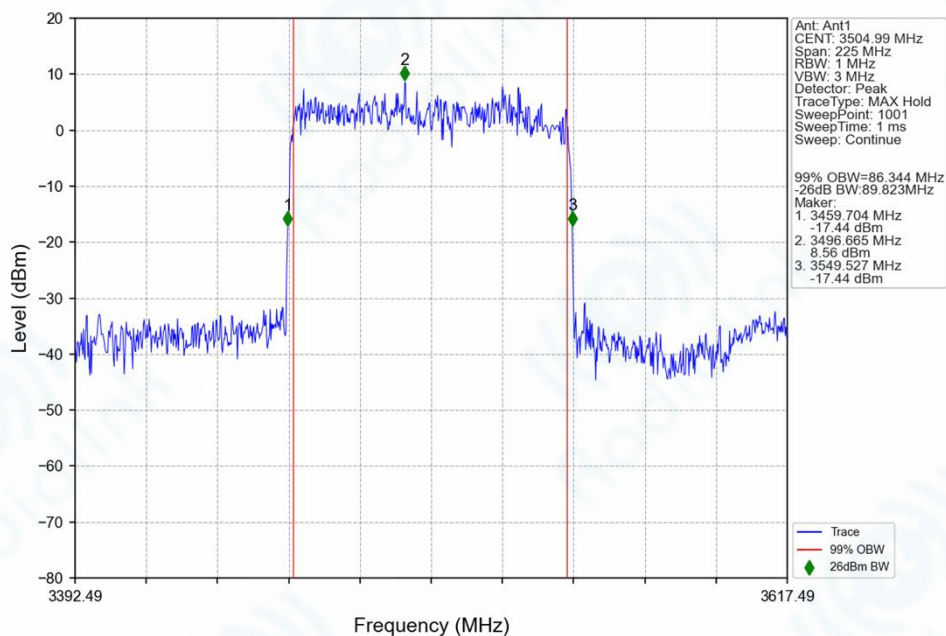

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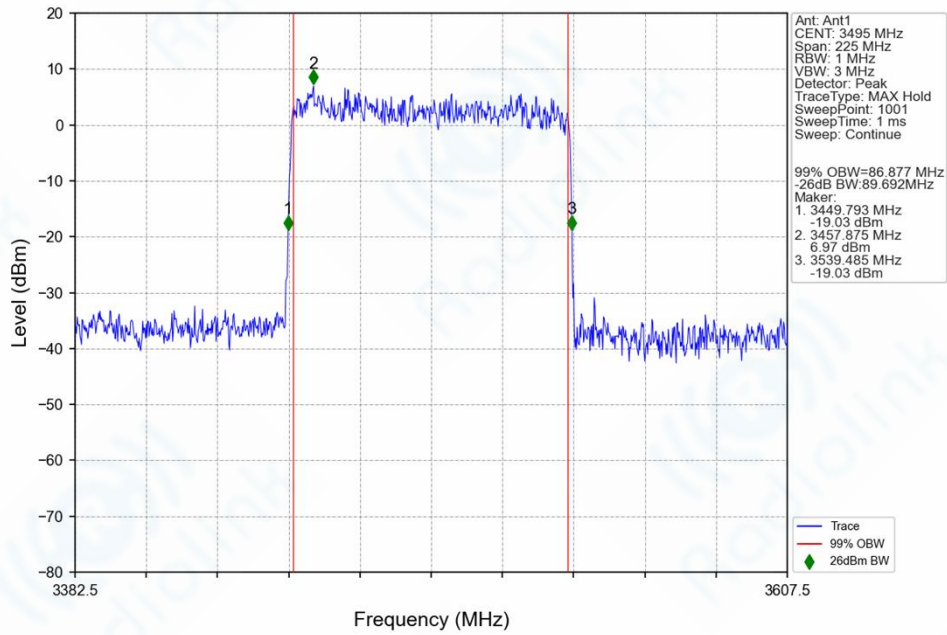
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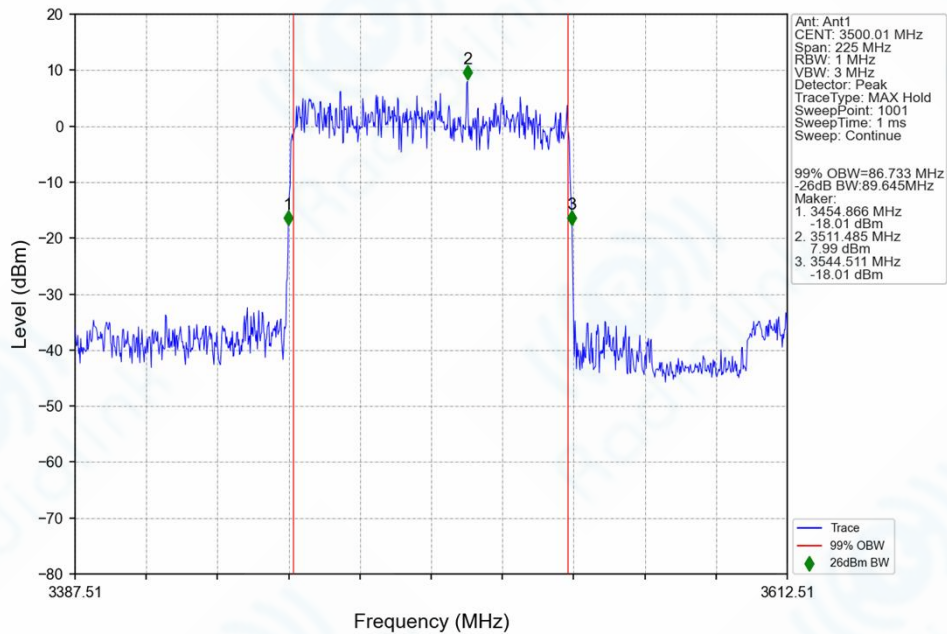
n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_64_QAM_3504.99MHz_Outer_Full_Ant1



n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3495MHz_Outer_Full_Ant1



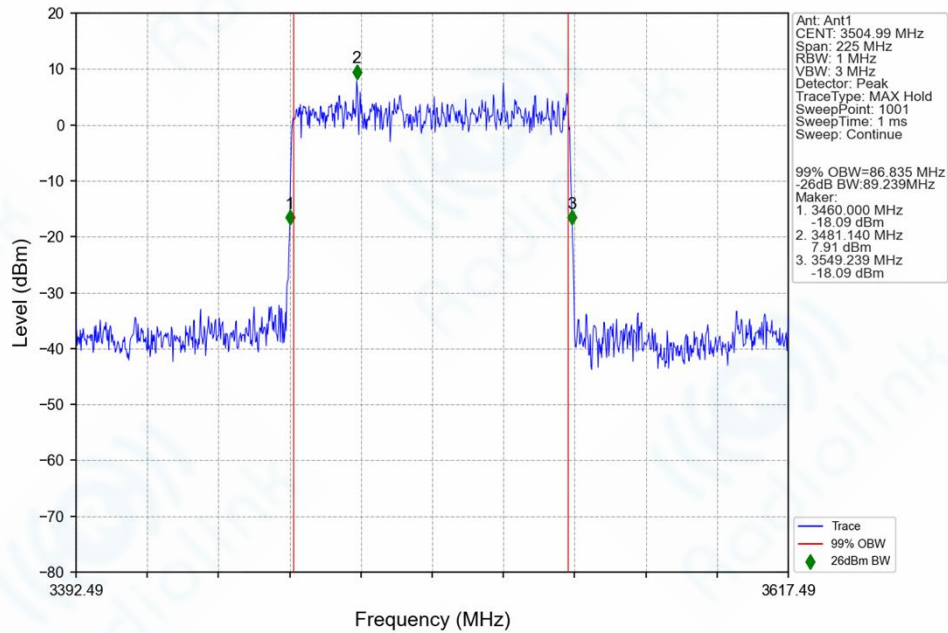
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Radiolink Testing (Shenzhen) Co., Ltd.

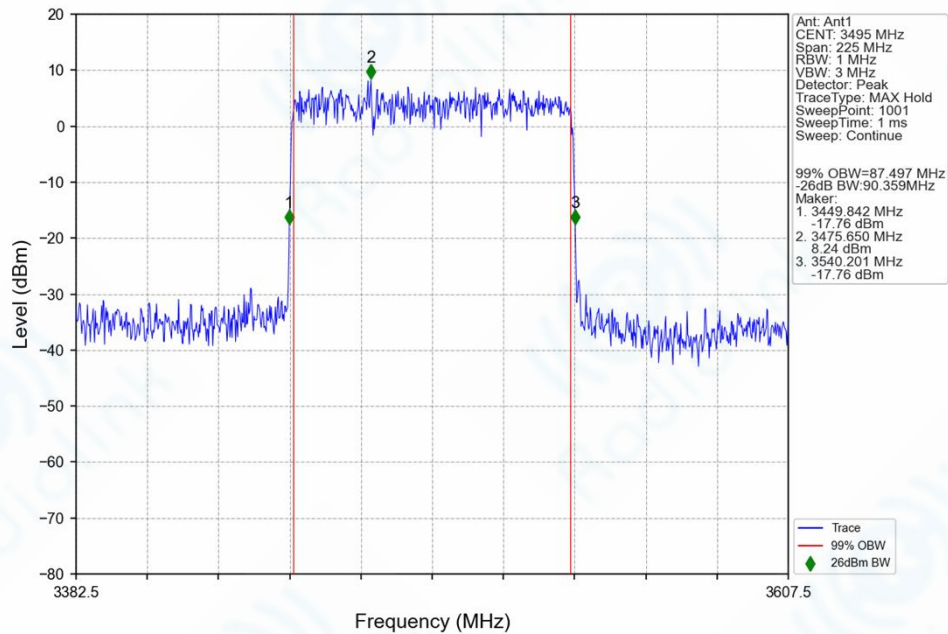
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n78e_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM_256_QAM_3504.99MHz_Outer_Full_Ant1



n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_3495MHz_Outer_Full_Ant1

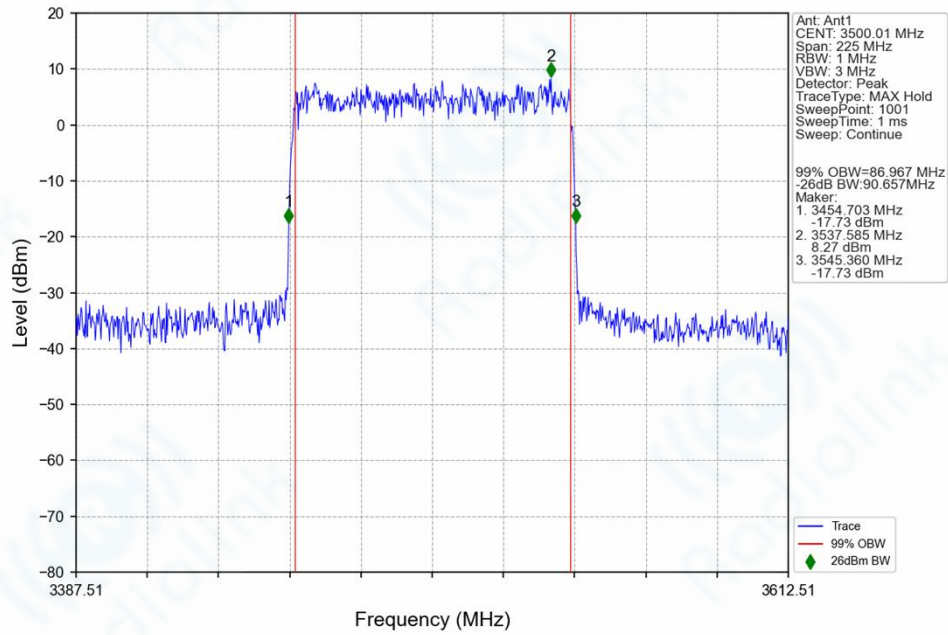


Radiolink Testing (Shenzhen) Co., Ltd.

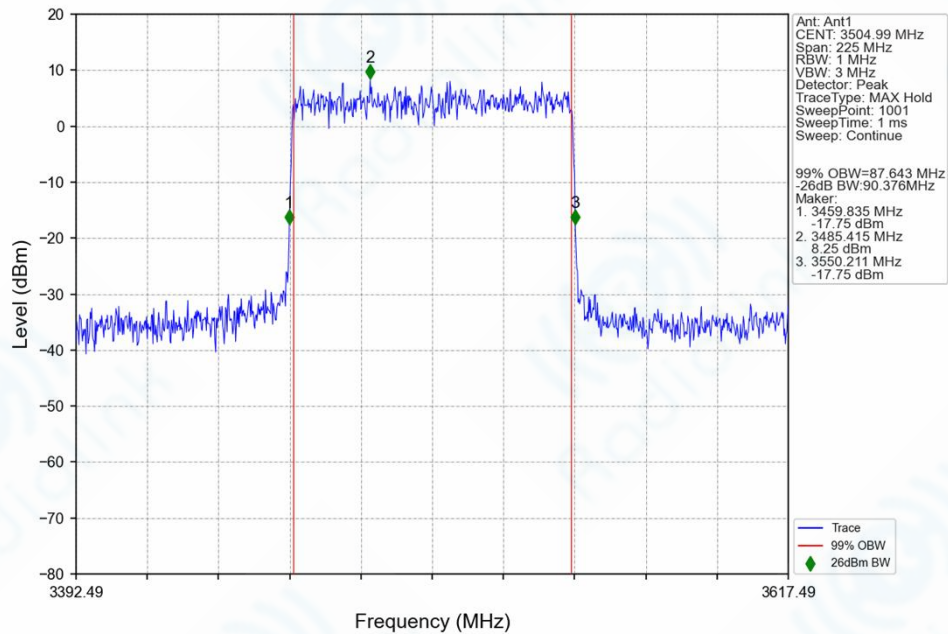
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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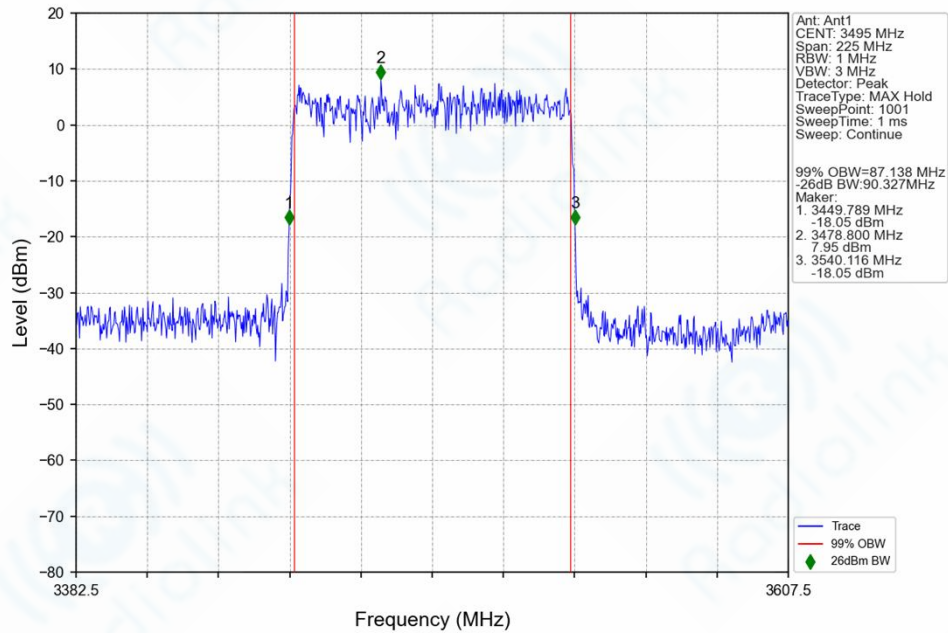
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant1



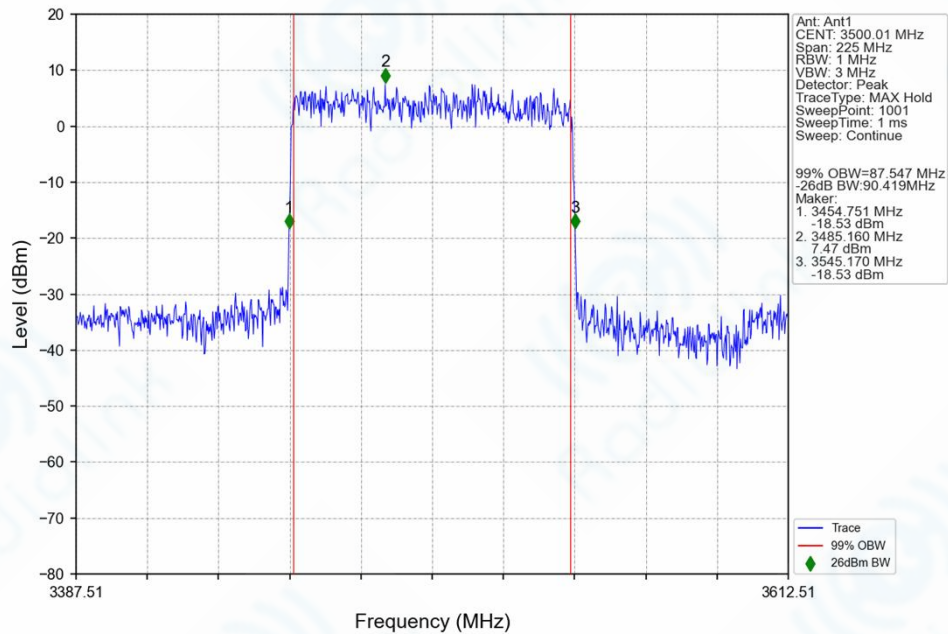
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_QPSK_3504.99MHz_Outer_Full_Ant1



n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_16_QAM_3495MHz_Outer_Full_Ant1



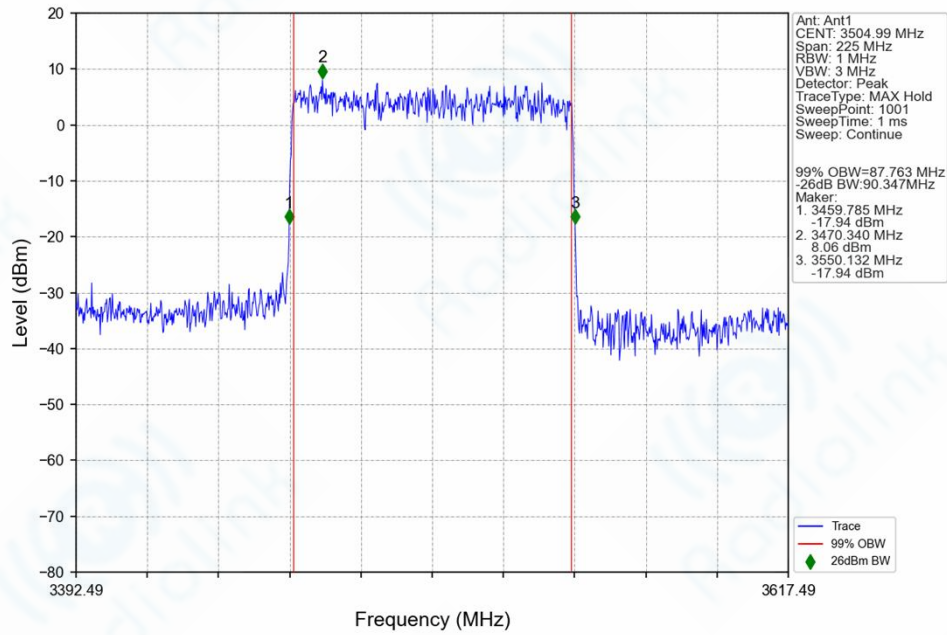
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Radiolink Testing (Shenzhen) Co., Ltd.

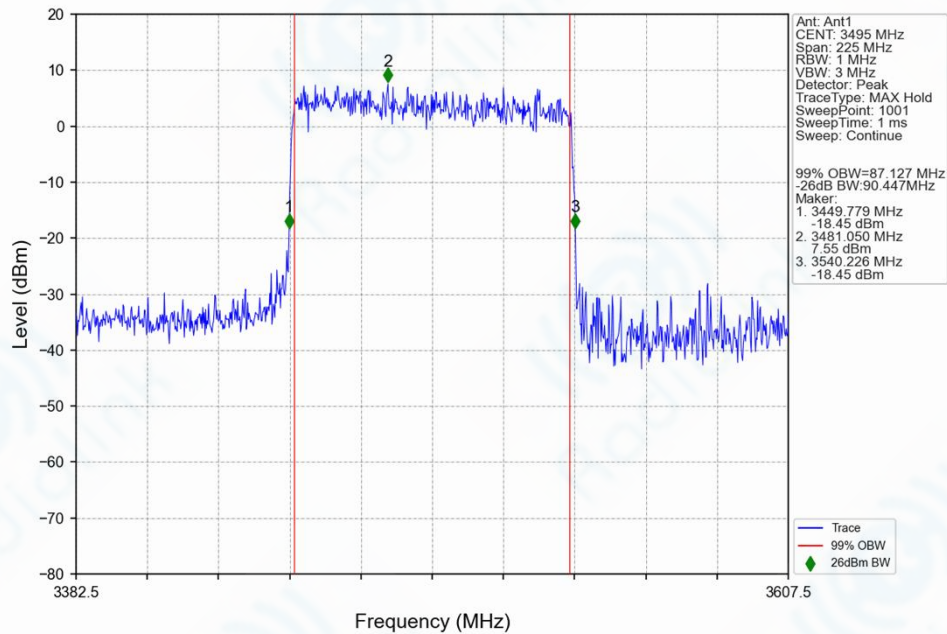
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n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_16 QAM_3504.99MHz_Outer_Full_Ant1



n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_64 QAM_3495MHz_Outer_Full_Ant1

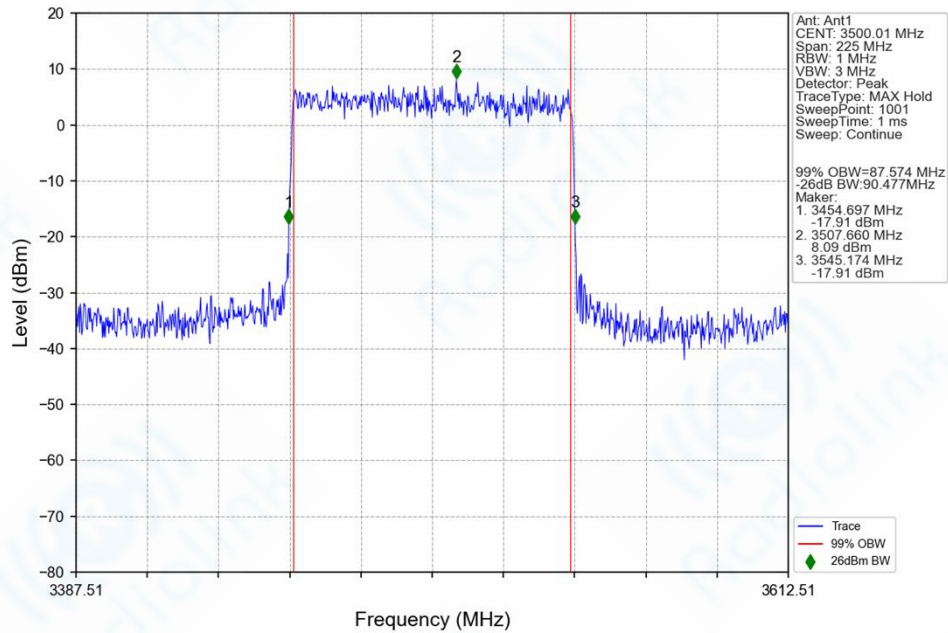


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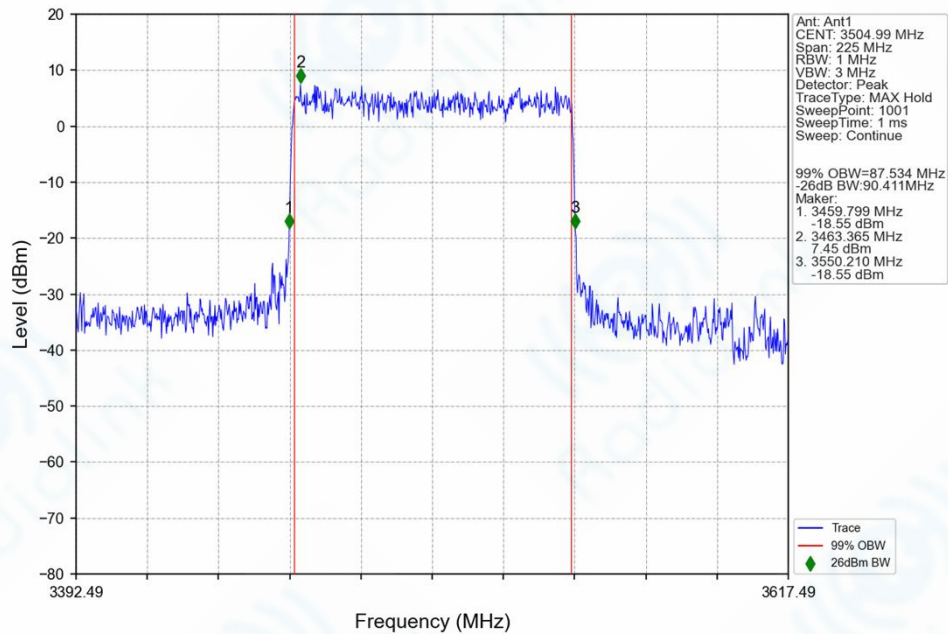
Room 103, Building B, Jinghang Industrial Park, Area 71, Xingdong Community, Xin'an Subdistrict, Bao'an District, Shenzhen, Guangdong Province, China

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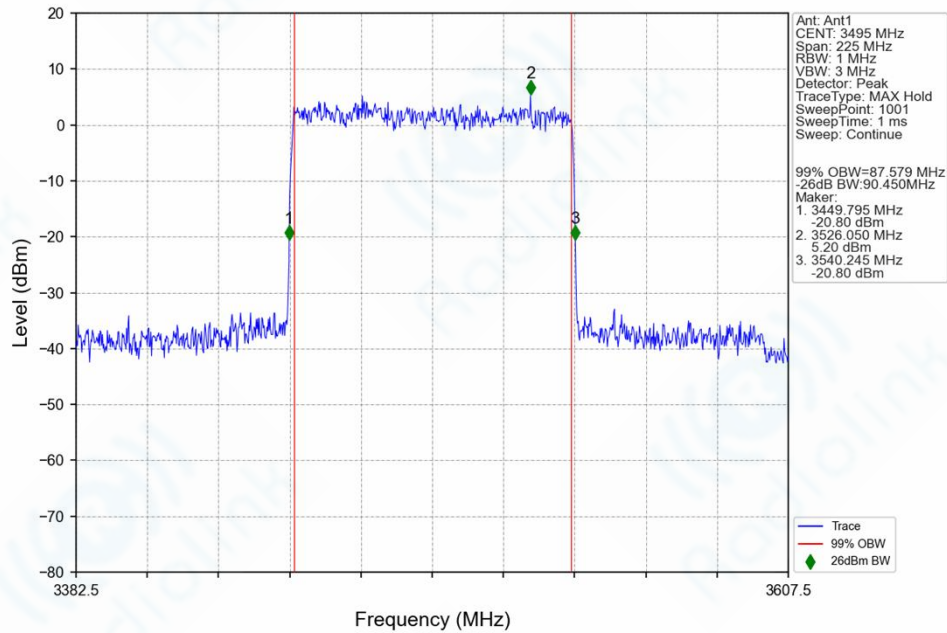
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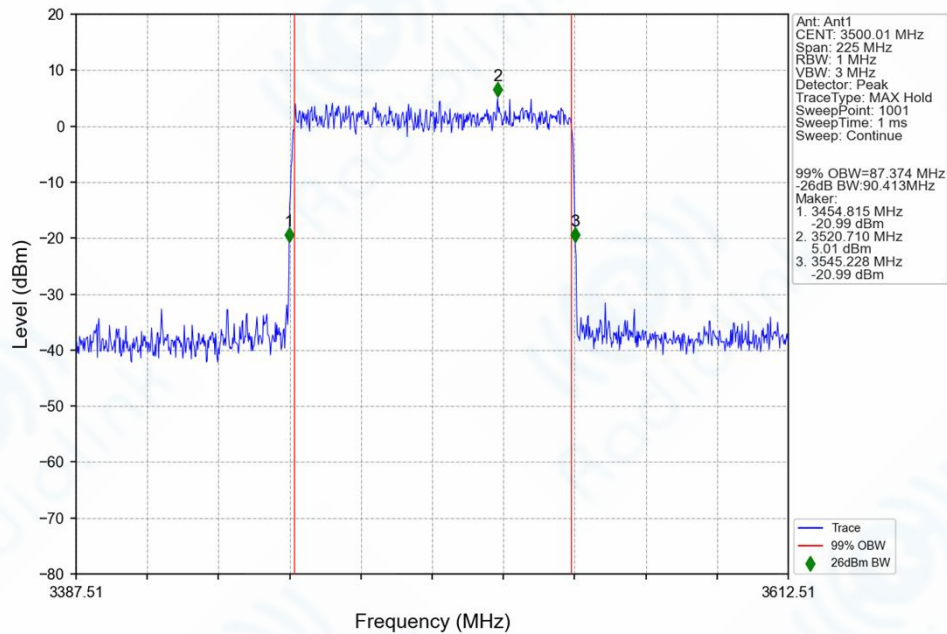
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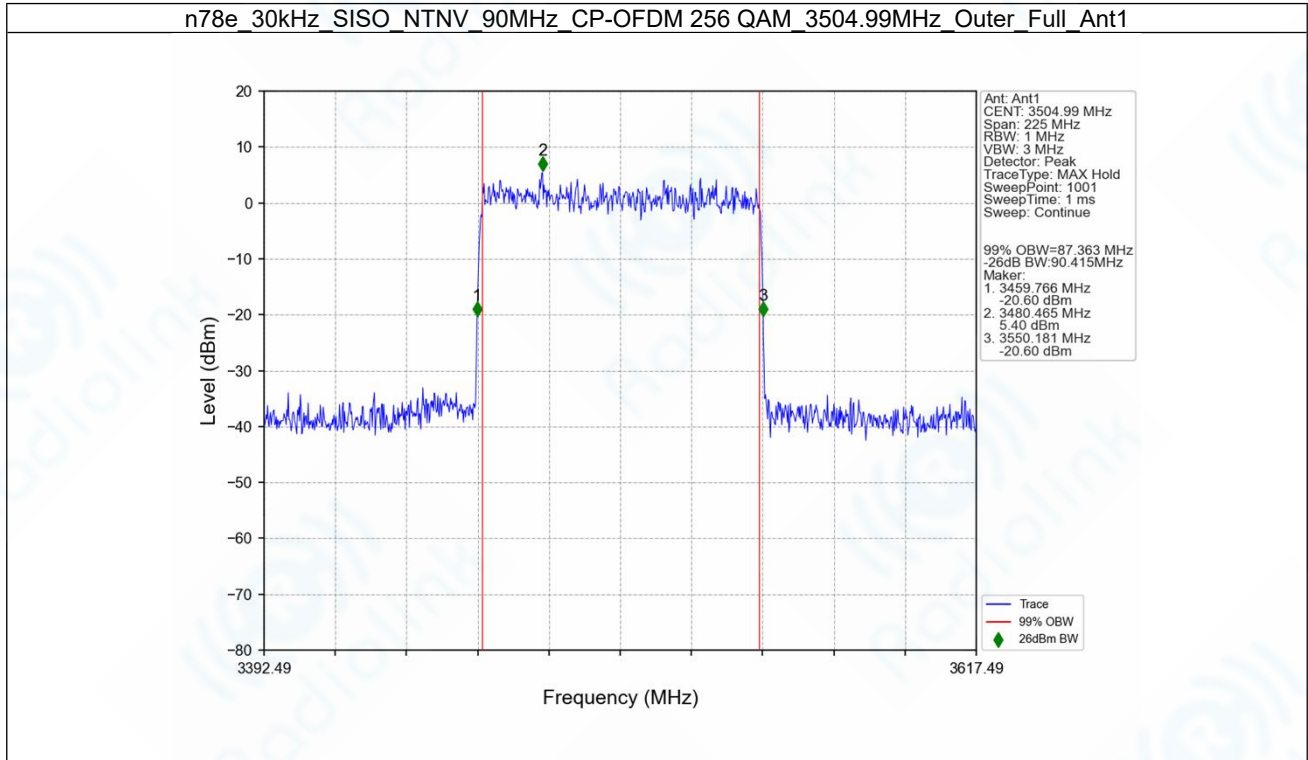
n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3495MHz_Outer_Full_Ant1



n78e_30kHz_SISO_NTNV_90MHz_CP-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant1


Radiolink Testing (Shenzhen) Co., Ltd.

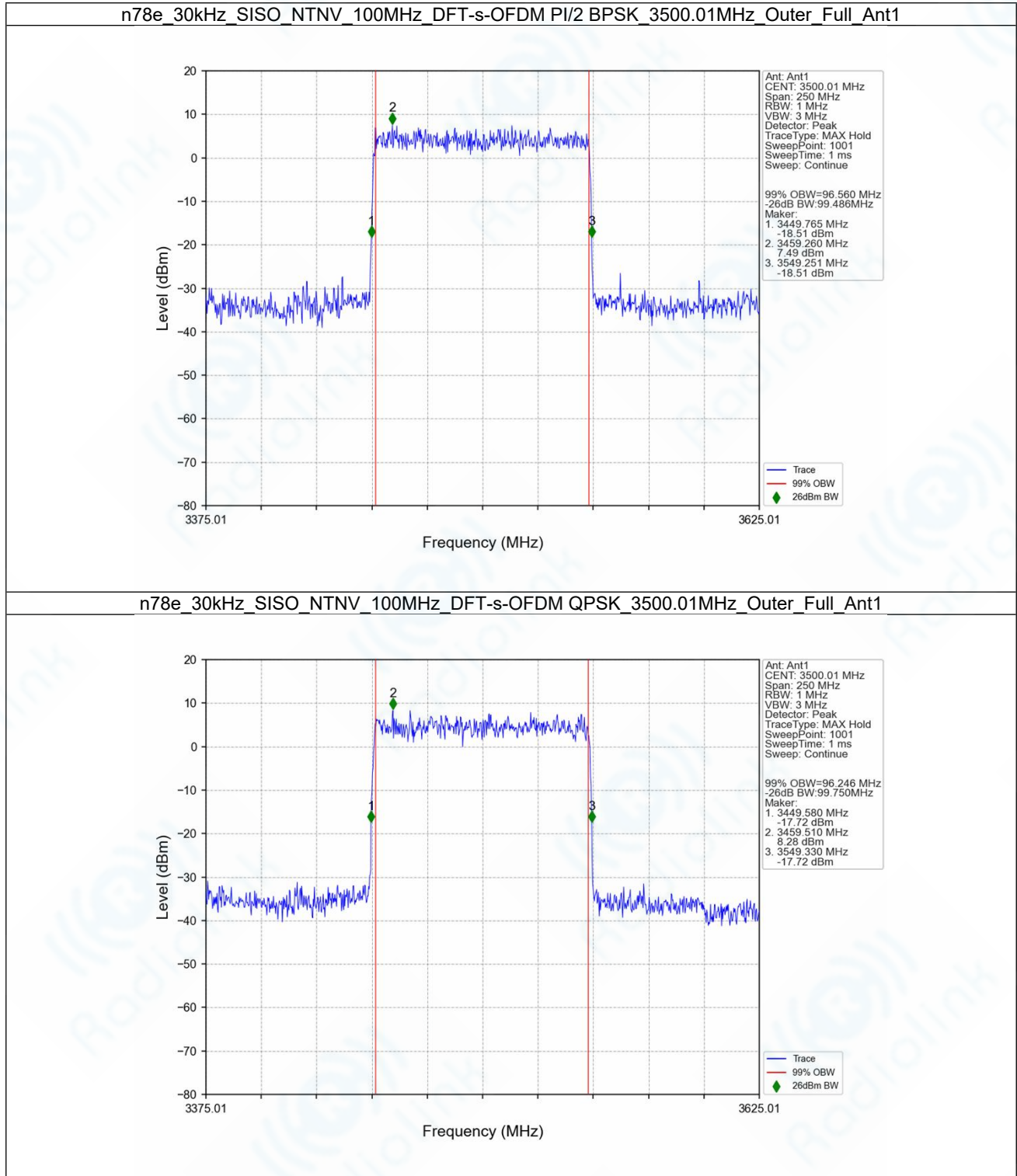
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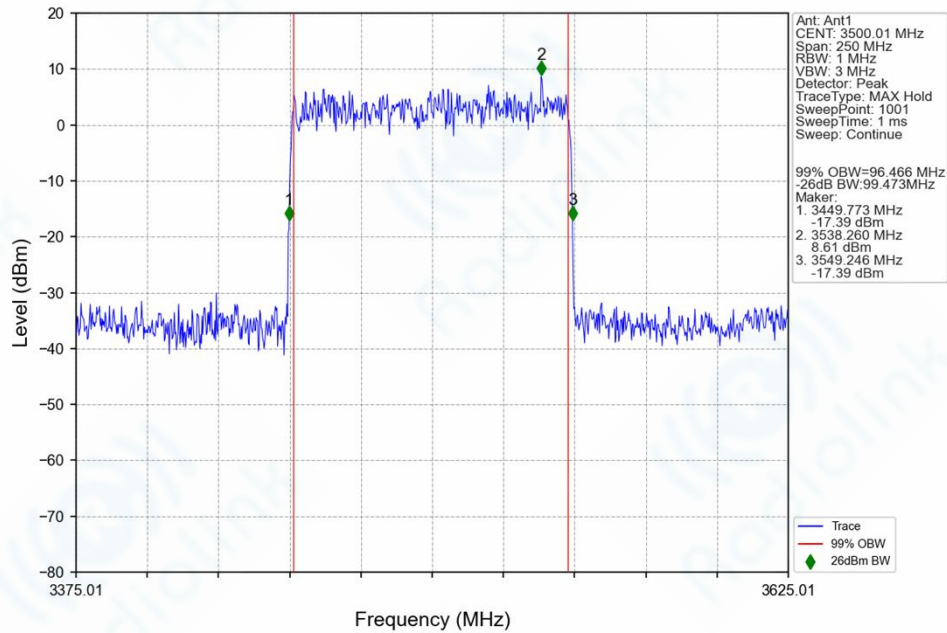
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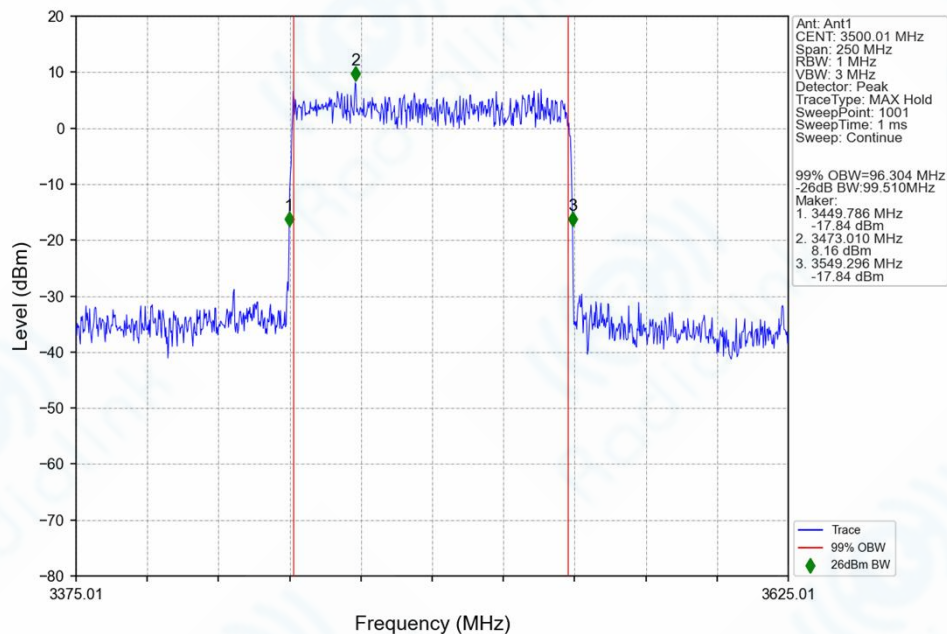
3.2.10 30_S_100M_NTNV



n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_16_QAM_3500.01MHz_Outer_Full_Ant1

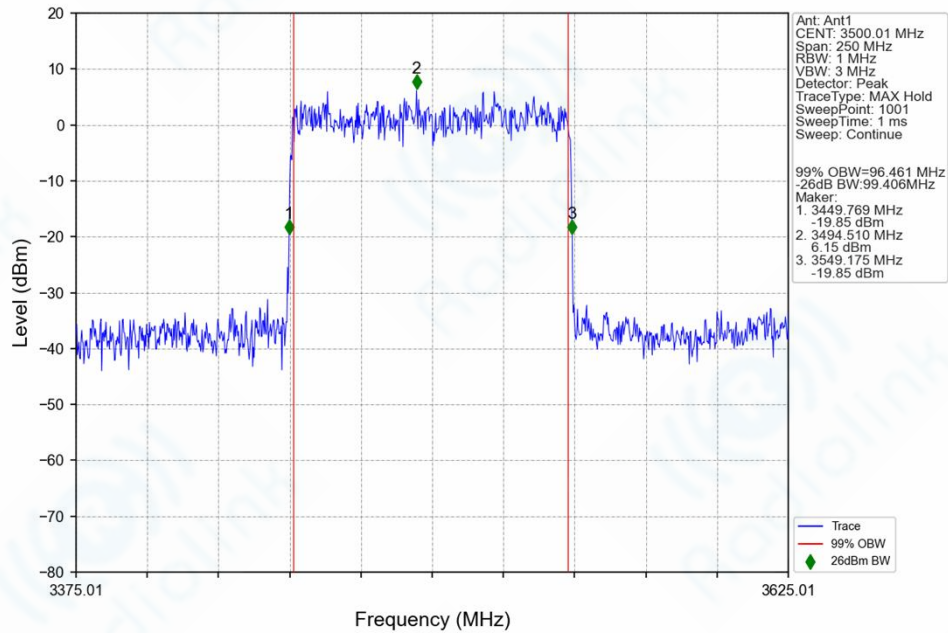


n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_64_QAM_3500.01MHz_Outer_Full_Ant1

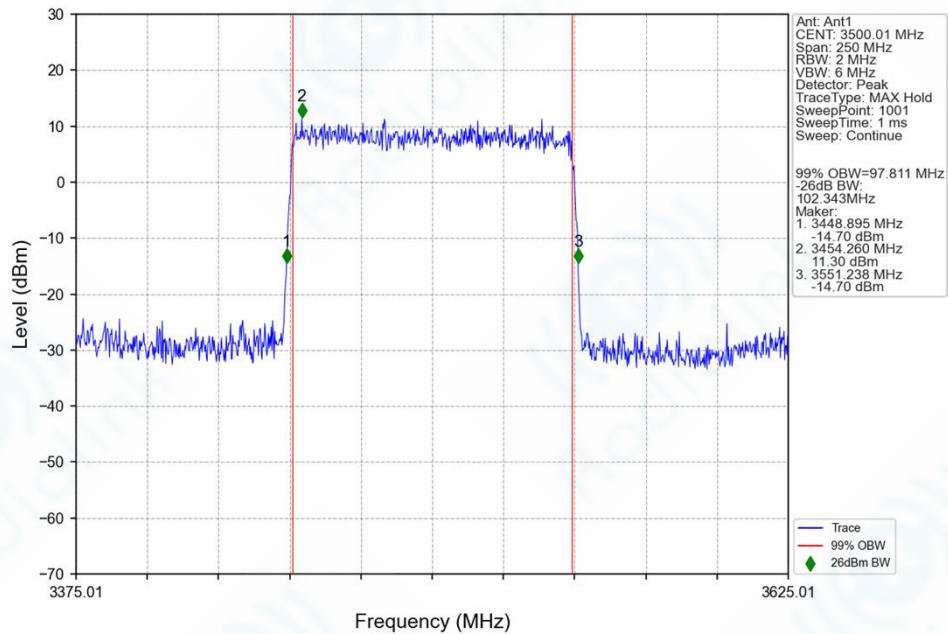

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n78e_30kHz_SISO_NTNV_100MHz_DFT-s-OFDM_256_QAM_3500.01MHz_Outer_Full_Ant1



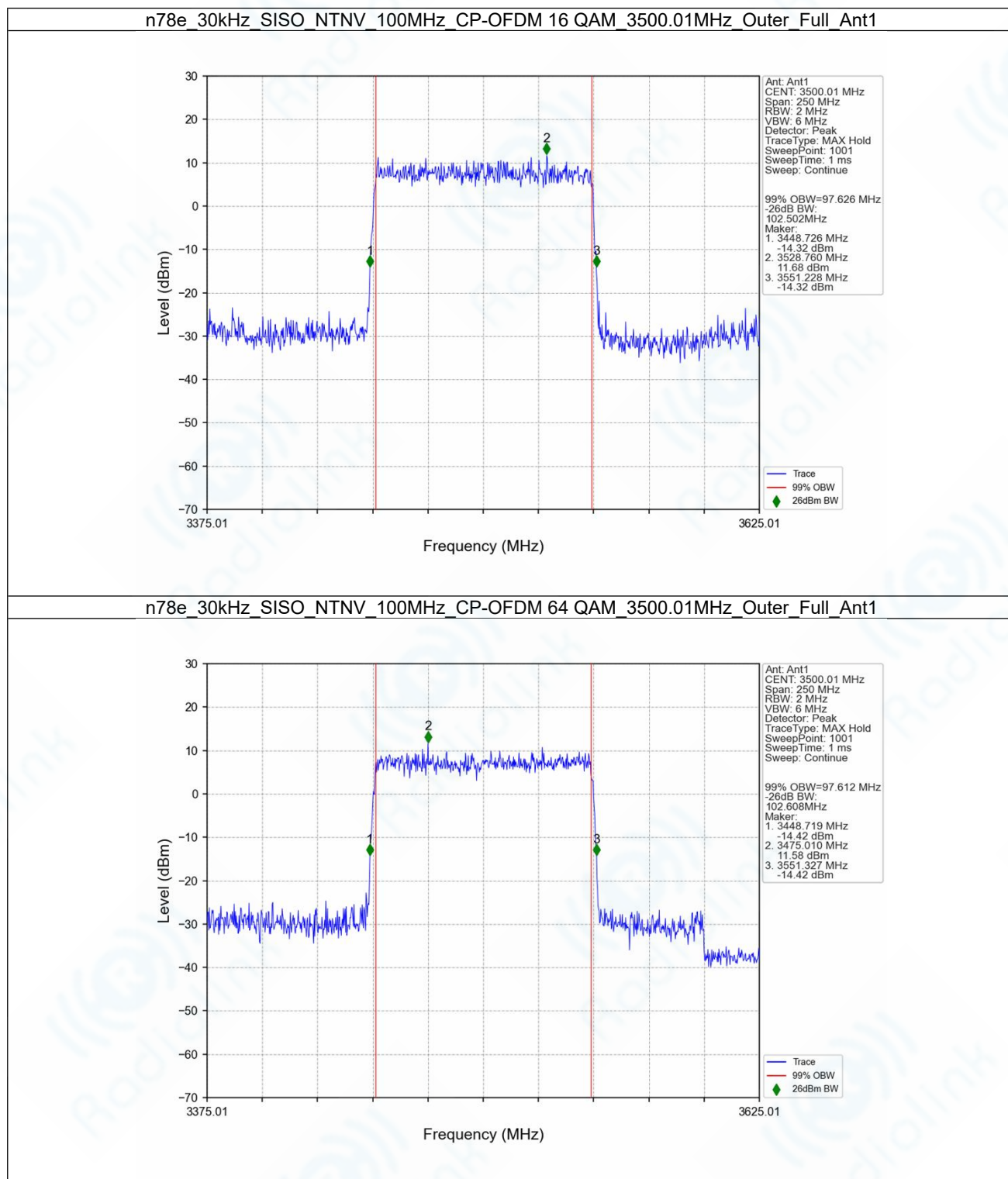
n78e_30kHz_SISO_NTNV_100MHz_CP-OFDM_QPSK_3500.01MHz_Outer_Full_Ant1

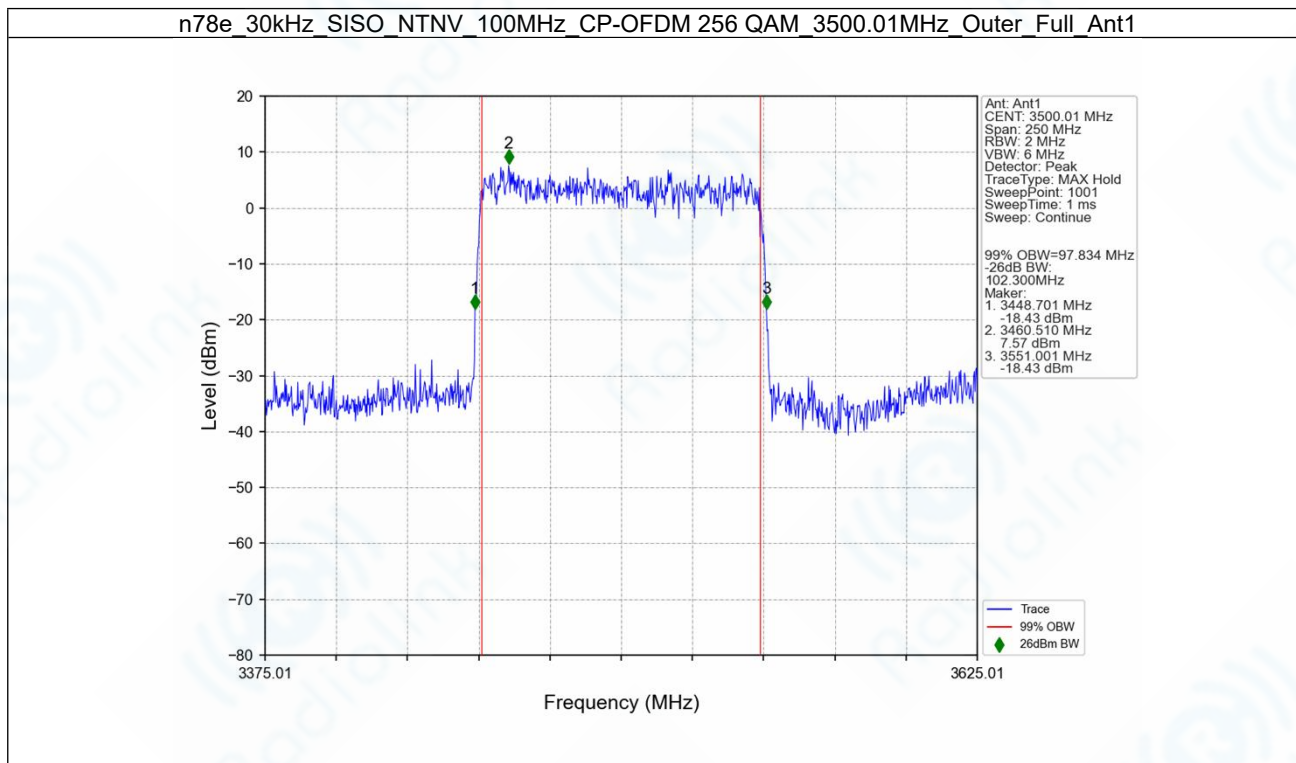


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4. Peak-Average Ratio

4.1 Test Result

4.1.1 30_S_10M_NTNV

5G NR n78e SCS=30kHz SISO 10MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3455.01	Outer_Full	3.88	/	/	<=13	Pass
	3500.01	Outer_Full	3.79	/	/	<=13	Pass
	3544.98	Outer_Full	3.85	/	/	<=13	Pass
DFT-s-OFDM QPSK	3455.01	Outer_Full	4.41	/	/	<=13	Pass
	3500.01	Outer_Full	4.40	/	/	<=13	Pass
	3544.98	Outer_Full	4.43	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3455.01	Outer_Full	5.48	/	/	<=13	Pass
	3500.01	Outer_Full	5.48	/	/	<=13	Pass
	3544.98	Outer_Full	5.47	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3455.01	Outer_Full	5.93	/	/	<=13	Pass
	3500.01	Outer_Full	5.91	/	/	<=13	Pass
	3544.98	Outer_Full	5.88	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3455.01	Outer_Full	6.65	/	/	<=13	Pass
	3500.01	Outer_Full	6.61	/	/	<=13	Pass
	3544.98	Outer_Full	6.62	/	/	<=13	Pass
CP-OFDM QPSK	3455.01	Outer_Full	6.58	/	/	<=13	Pass
	3500.01	Outer_Full	6.60	/	/	<=13	Pass
	3544.98	Outer_Full	6.58	/	/	<=13	Pass
CP-OFDM 16 QAM	3455.01	Outer_Full	6.63	/	/	<=13	Pass
	3500.01	Outer_Full	6.64	/	/	<=13	Pass
	3544.98	Outer_Full	6.62	/	/	<=13	Pass
CP-OFDM 64 QAM	3455.01	Outer_Full	7.08	/	/	<=13	Pass
	3500.01	Outer_Full	7.08	/	/	<=13	Pass
	3544.98	Outer_Full	7.06	/	/	<=13	Pass
CP-OFDM 256 QAM	3455.01	Outer_Full	8.74	/	/	<=13	Pass
	3500.01	Outer_Full	8.77	/	/	<=13	Pass
	3544.98	Outer_Full	8.76	/	/	<=13	Pass

4.1.2 30_S_20M_NTNV

5G NR n78e SCS=30kHz SISO 20MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3460.02	Outer_Full	3.91	/	/	<=13	Pass
	3500.01	Outer_Full	3.96	/	/	<=13	Pass
	3540	Outer_Full	3.82	/	/	<=13	Pass
DFT-s-OFDM QPSK	3460.02	Outer_Full	4.40	/	/	<=13	Pass
	3500.01	Outer_Full	4.40	/	/	<=13	Pass
	3540	Outer_Full	4.37	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3460.02	Outer_Full	5.39	/	/	<=13	Pass
	3500.01	Outer_Full	5.39	/	/	<=13	Pass
	3540	Outer_Full	5.40	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3460.02	Outer_Full	5.83	/	/	<=13	Pass
	3500.01	Outer_Full	5.83	/	/	<=13	Pass
	3540	Outer_Full	5.82	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3460.02	Outer_Full	6.75	/	/	<=13	Pass
	3500.01	Outer_Full	6.77	/	/	<=13	Pass
	3540	Outer_Full	6.75	/	/	<=13	Pass
CP-OFDM QPSK	3460.02	Outer_Full	6.46	/	/	<=13	Pass
	3500.01	Outer_Full	6.47	/	/	<=13	Pass

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	3540	Outer_Full	6.46	/	/	<=13	Pass
CP-OFDM 16 QAM	3460.02	Outer_Full	6.42	/	/	<=13	Pass
	3500.01	Outer_Full	6.42	/	/	<=13	Pass
	3540	Outer_Full	6.42	/	/	<=13	Pass
CP-OFDM 64 QAM	3460.02	Outer_Full	7.12	/	/	<=13	Pass
	3500.01	Outer_Full	7.11	/	/	<=13	Pass
	3540	Outer_Full	7.11	/	/	<=13	Pass
CP-OFDM 256 QAM	3460.02	Outer_Full	8.52	/	/	<=13	Pass
	3500.01	Outer_Full	8.51	/	/	<=13	Pass
	3540	Outer_Full	10.97	/	/	<=13	Pass

4.1.3 30_S_30M_NTNV

5G NR n78e SCS=30kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3465	Outer_Full	4.11	/	/	<=13	Pass
	3500.01	Outer_Full	4.14	/	/	<=13	Pass
	3534.99	Outer_Full	4.09	/	/	<=13	Pass
DFT-s-OFDM QPSK	3465	Outer_Full	4.62	/	/	<=13	Pass
	3500.01	Outer_Full	4.64	/	/	<=13	Pass
	3534.99	Outer_Full	4.63	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3465	Outer_Full	5.54	/	/	<=13	Pass
	3500.01	Outer_Full	5.54	/	/	<=13	Pass
	3534.99	Outer_Full	5.54	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3465	Outer_Full	6.08	/	/	<=13	Pass
	3500.01	Outer_Full	6.08	/	/	<=13	Pass
	3534.99	Outer_Full	6.06	/	/	<=13	Pass
DFT-s-OFDM 256 QAM	3465	Outer_Full	6.80	/	/	<=13	Pass
	3500.01	Outer_Full	6.80	/	/	<=13	Pass
	3534.99	Outer_Full	6.80	/	/	<=13	Pass
CP-OFDM QPSK	3465	Outer_Full	7.14	/	/	<=13	Pass
	3500.01	Outer_Full	7.12	/	/	<=13	Pass
	3534.99	Outer_Full	7.14	/	/	<=13	Pass
CP-OFDM 16 QAM	3465	Outer_Full	7.20	/	/	<=13	Pass
	3500.01	Outer_Full	7.20	/	/	<=13	Pass
	3534.99	Outer_Full	7.20	/	/	<=13	Pass
CP-OFDM 64 QAM	3465	Outer_Full	7.53	/	/	<=13	Pass
	3500.01	Outer_Full	7.53	/	/	<=13	Pass
	3534.99	Outer_Full	7.52	/	/	<=13	Pass
CP-OFDM 256 QAM	3465	Outer_Full	8.36	/	/	<=13	Pass
	3500.01	Outer_Full	8.39	/	/	<=13	Pass
	3534.99	Outer_Full	8.37	/	/	<=13	Pass

4.1.4 30_S_40M_NTNV

5G NR n78e SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3470.01	Outer_Full	5.12	/	/	<=13	Pass
	3500.01	Outer_Full	5.12	/	/	<=13	Pass
	3529.98	Outer_Full	5.13	/	/	<=13	Pass
DFT-s-OFDM QPSK	3470.01	Outer_Full	6.03	/	/	<=13	Pass
	3500.01	Outer_Full	6.04	/	/	<=13	Pass
	3529.98	Outer_Full	6.03	/	/	<=13	Pass
DFT-s-OFDM 16 QAM	3470.01	Outer_Full	6.86	/	/	<=13	Pass
	3500.01	Outer_Full	6.86	/	/	<=13	Pass
	3529.98	Outer_Full	6.84	/	/	<=13	Pass
DFT-s-OFDM 64 QAM	3470.01	Outer_Full	6.99	/	/	<=13	Pass
	3500.01	Outer_Full	6.99	/	/	<=13	Pass
	3529.98	Outer_Full	6.98	/	/	<=13	Pass

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