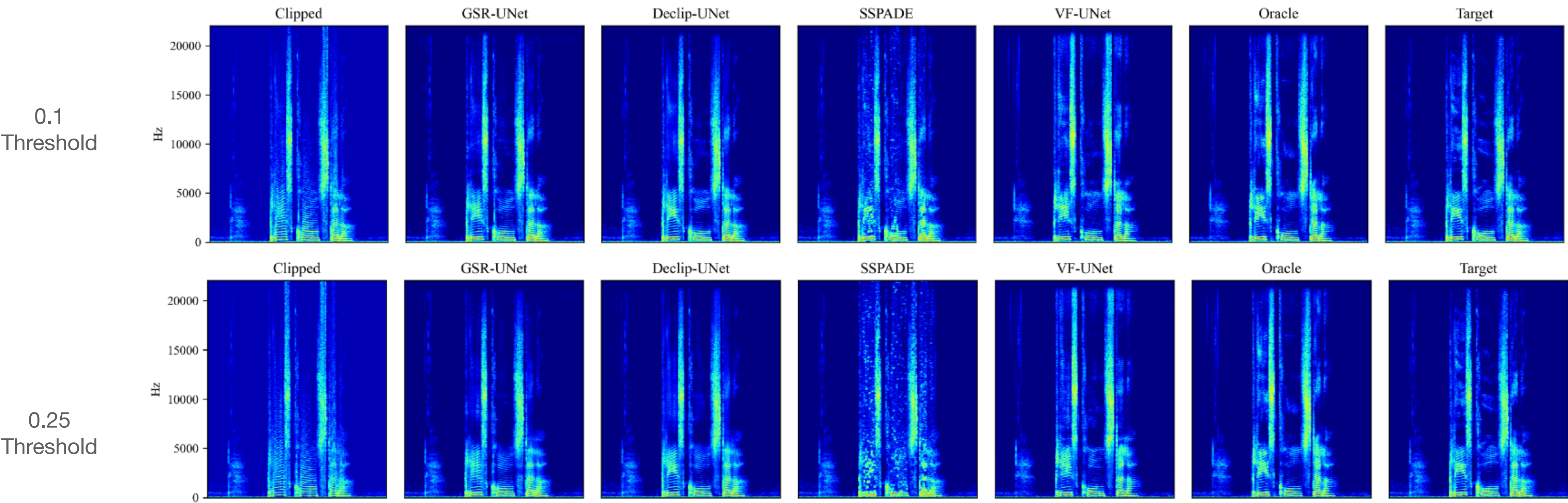


Experiments

Speech Declipping



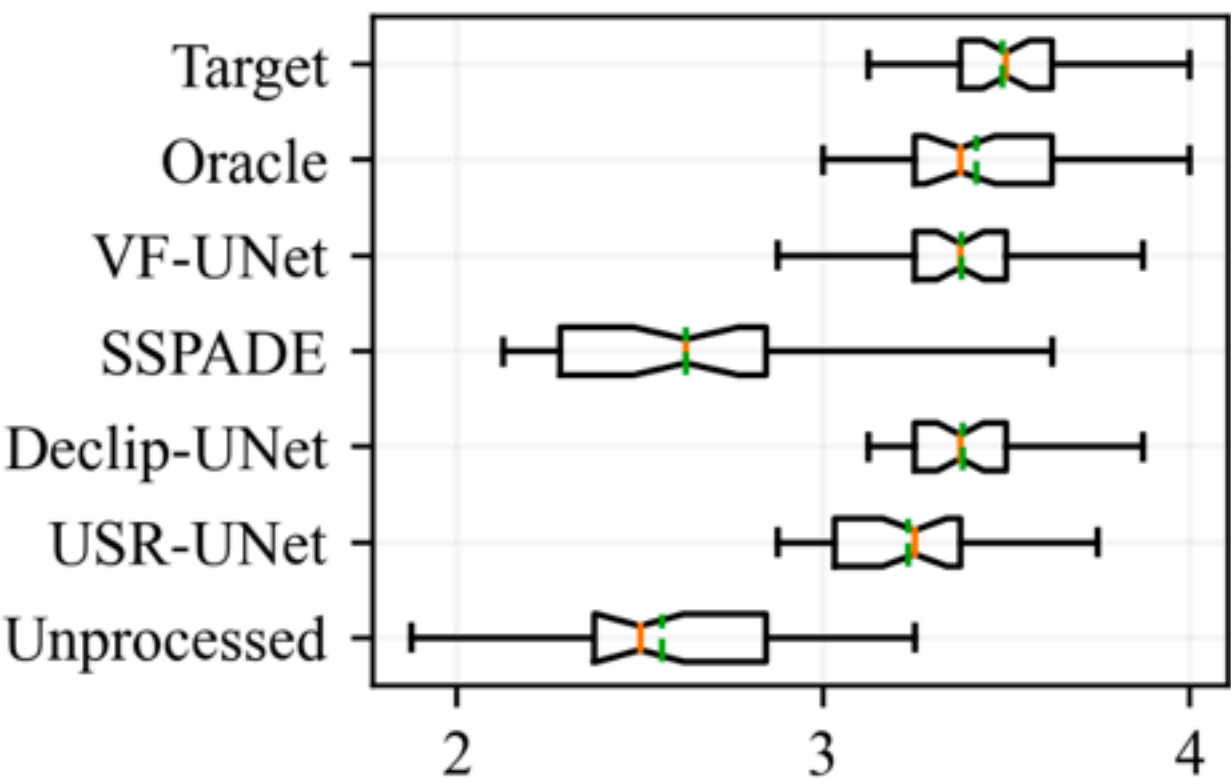
Comparison between different declipping methods

Experiments

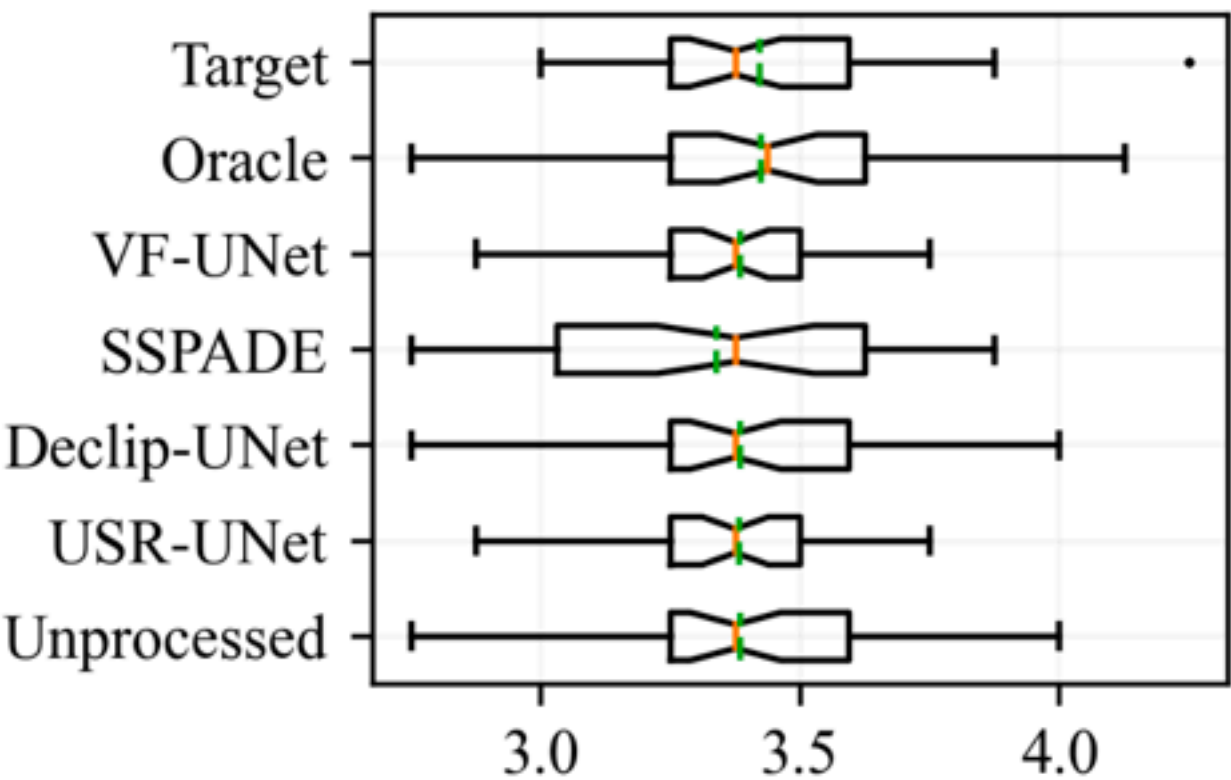
Speech Enhancement and Dereverberation

Table.13 Performance on declipping task

Clipping Level	0.25				0.10				Average			
Models	SiSNR	STOI	PESQ	MOS	SiSNR	STOI	PESQ	MOS	SiSNR	STOI	PESQ	MOS
Unprocessed	9.60	0.95	2.38	2.56	4.00	0.89	1.51	2.72	6.80	0.92	1.95	2.64
Oracle	-19.94	0.81	2.36	3.44	-19.94	0.81	2.36	3.42	-19.94	0.81	2.36	3.43
Target	/	/	/	3.42	/	/	/	3.49	/	/	/	3.46
GSR-UNet	11.01	0.97	3.54	3.38	7.47	0.94	2.89	3.23	9.24	0.95	3.21	3.31
Declip-UNet	12.45	0.99	3.98	3.38	8.43	0.96	3.40	3.38	10.44	0.98	3.69	3.38
SSPADE	17.43	0.98	3.55	3.34	10.31	0.92	2.12	2.63	13.87	0.95	2.84	2.98
VF-DNN	/	0.76	1.72	/	/	0.72	1.48	/	/	0.74	1.60	/
VF-BiGRU	/	0.81	2.09	/	/	0.79	1.82	/	/	0.80	1.95	/
VF-UNet-S	/	0.82	2.13	/	/	0.80	1.85	/	/	0.81	1.99	/
VF-UNet	/	0.82	2.21	3.38	/	0.80	1.93	3.38	/	0.81	2.07	3.38



(a) Declipping (0.1)



(d) Declipping (0.25)

Hard to distinguish!