

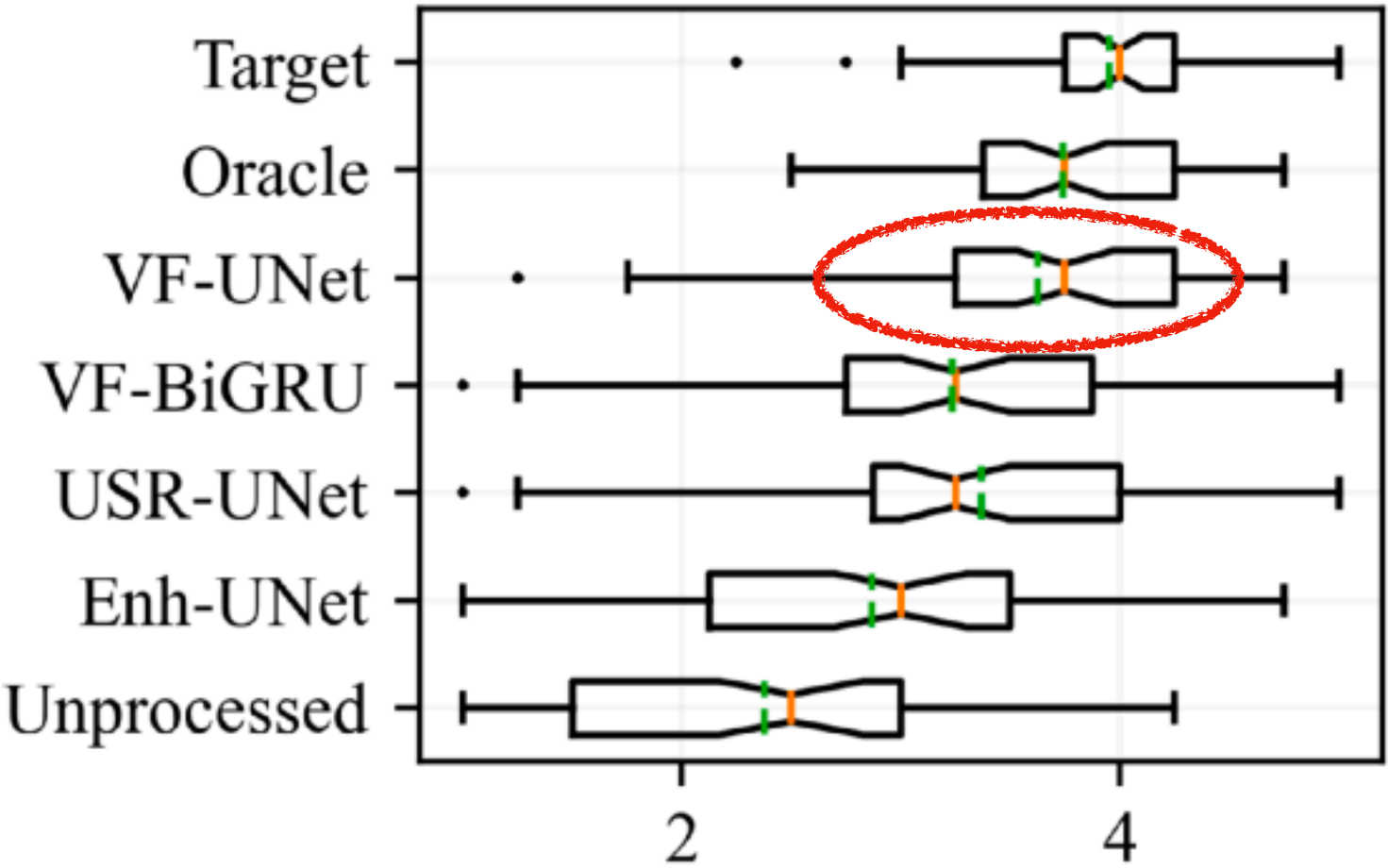
# Experiments

## General Speech Restoration

Table.9 Average PESQ, LSD, SiSPNR, SSIM and MOS Score on the generic speech restoration test set ALL-GSR

Models	PESQ	LSD	SiSPNR	SSIM	MOS
Unprocessed	1.94	2.00	7.20	0.64	2.38
Oracle	2.52	0.91	11.73	0.74	3.74
Target	4.64	0.01	110.55	1.00	3.95
GSR-UNet	<b>2.67</b>	1.01	<b>12.19</b>	<b>0.79</b>	3.37
Enh-UNet	2.33	1.98	9.65	0.65	2.87
Rev-UNet	1.97	1.81	8.50	0.59	/
VF-DNN	1.55	1.18	10.13	0.68	/
VF-BiGRU	1.92	1.02	10.98	0.71	3.24
VF-UNet-S	2.01	1.02	11.09	0.71	/
VF-UNet	2.05	<b>1.01</b>	11.14	0.71	<b>3.62</b>

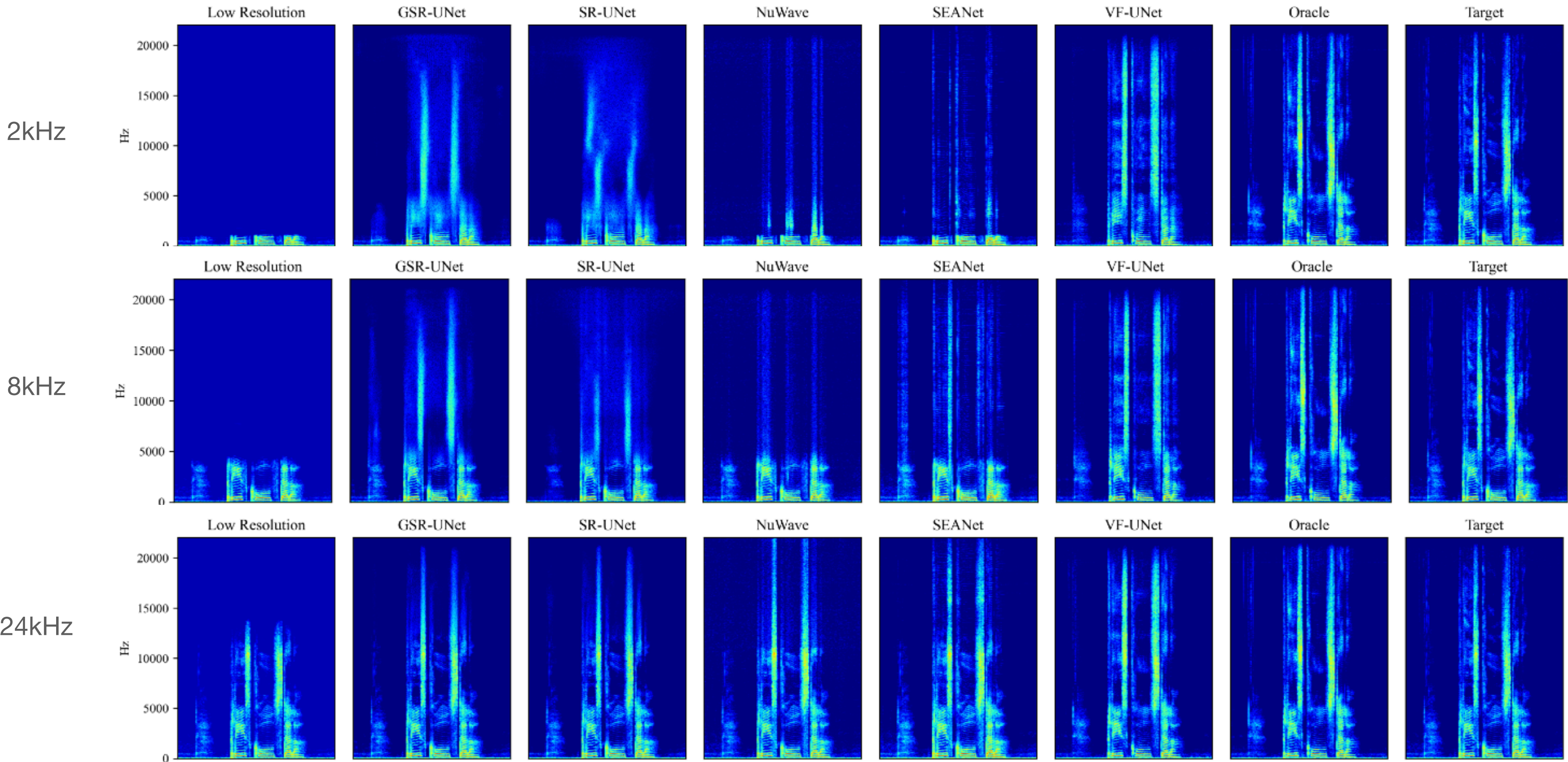
**Figure 5:** Box plot of the MOS scores on generic speech restoration task. Red solid line and green dashed line represent median and mean value.





# Experiments

## Speech Super Resolution



Comparison between different speech super resolution methods