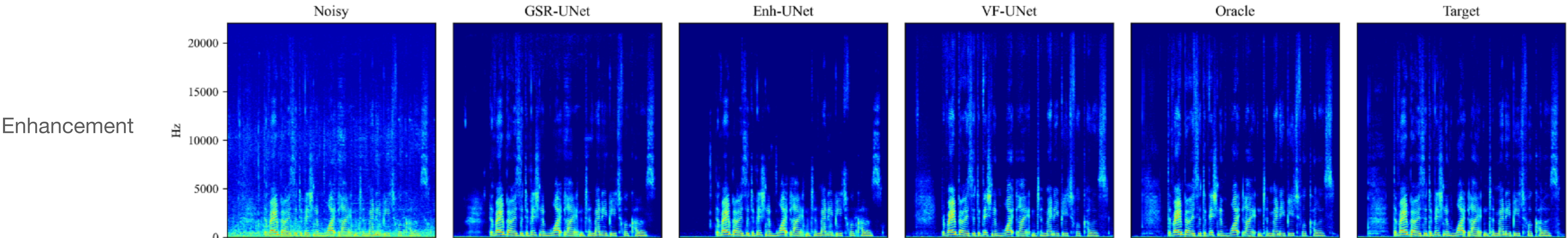
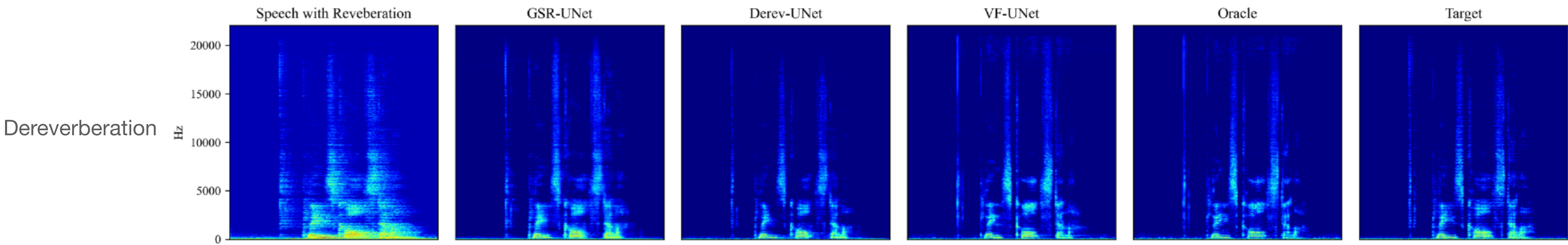


# Experiments

## Speech Enhancement and Dereverberation



Comparison between different enhancement methods



Comparison between different dereverberation methods



# Experiments

## Speech Enhancement and Dereverberation

Table.11 Performance on enhancement task

Models	SiSNR	PESQ	SiSPNR	MOS
Unprocessed	8.40	1.97	9.78	3.20
Oracle	-17.52	2.85	12.84	3.64
Target	/	/	/	3.69
SEGAN *	/	2.16	/	/
Wave-U-Net *	/	2.40	/	/
Wiener *	/	2.22	/	/
Weakly Labelled *	/	2.28	/	/
GSR-UNet	16.42	<b>2.82</b>	<b>12.25</b>	3.64
Enh-UNet	<b>17.58</b>	2.71	11.82	3.63
VF-DNN	/	1.71	10.93	/
VF-BiGRU	/	2.29	11.72	/
VF-UNet-S	/	2.33	11.19	/
VF-UNet	/	2.43	11.71	<b>3.69</b>

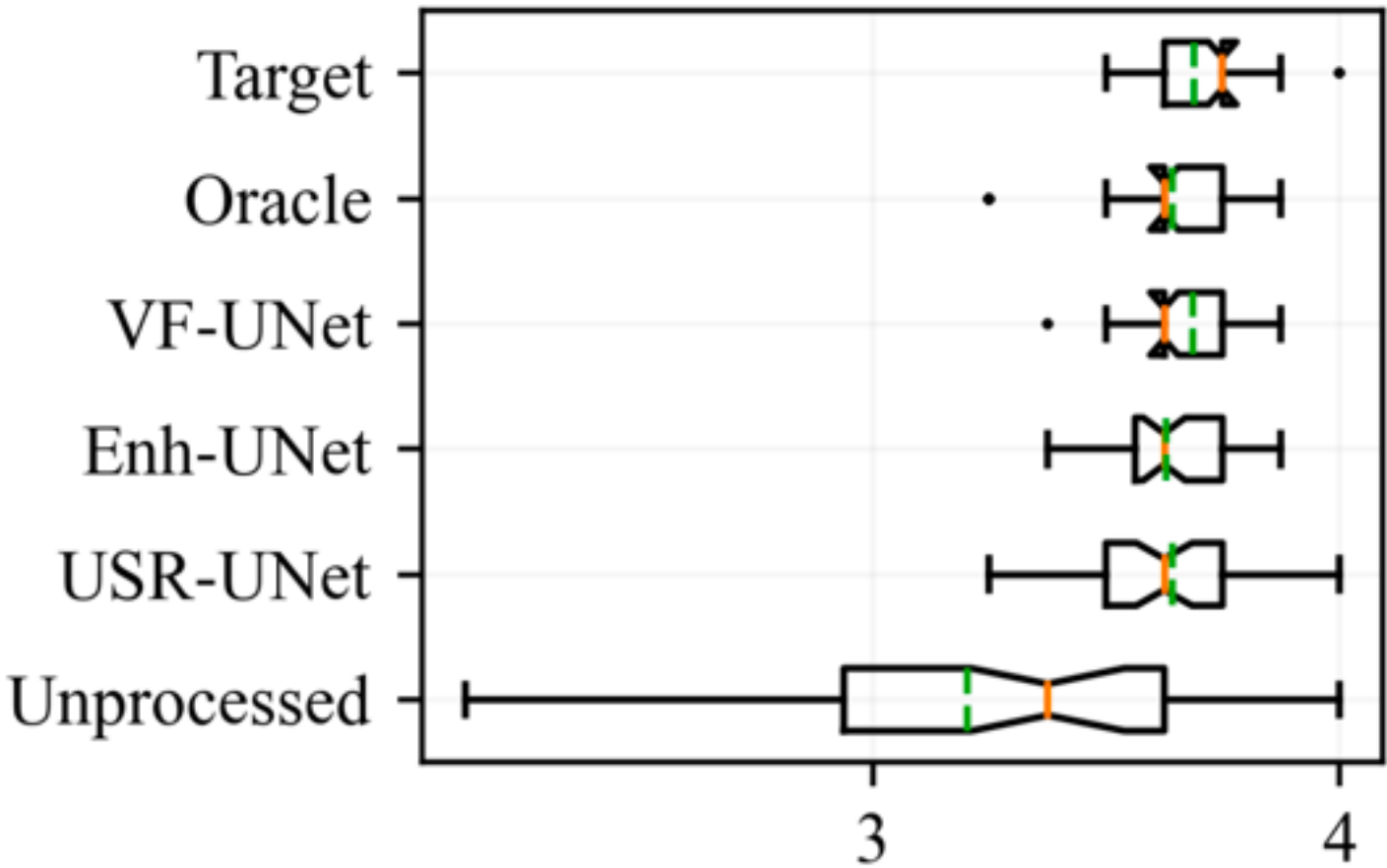


Table.12 Performance on dereverberation task

Models	PESQ	SiSPNR	MOS
Unprocessed	1.99	14.58	2.70
Oracle	2.36	13.65	3.46
Target	/	/	3.51
GSR-UNet	2.35	14.10	3.32
Rev-UNet	<b>2.49</b>	<b>14.99</b>	3.25
VF-DNN	1.41	11.70	/
VF-BiGRU	1.69	13.00	/
VF-UNet-S	1.78	12.80	/
VF-UNet	1.86	13.21	<b>3.52</b>

