

Experiment results

Table 2. Evaluation results on MUSDB18HQ test set.

Models	Vocals	Drums	Bass	Other	Average
X-UMX	6.61	6.47	5.43	4.64	5.79
D3Net	7.24	7.01	5.25	4.53	6.01
Demucs	6.89	6.57	6.53	5.14	6.28
CWS-PResUNet	8.92	6.38	5.93	5.84	6.77
ByteMSS	8.92	6.57	6.53	5.84	6.97

- CWS-PResUNet is advantageous on *vocals* tracks.
- We combine Demucs and CWS-PResUNet for our final submission, ByteMSS.

Experiment results

SDR score on MDX challenge hidden test set.

Model	Extra Data	Average	Bass	Other	Drums	Vocals
ByteMSS (our)	×	6.51	6.60	6.55	4.83	8.08
Demucs48-HQ	×	5.87	6.47	6.51	4.02	6.50
Spleeter – 4stem	✓	5.72	5.77	5.85	4.32	6.94
Lightsaft	×	5.39	5.50	5.27	4.12	6.69
XUMXPredictor	×	5.37	5.62	5.81	3.72	6.34

- Our ByteMSS system:
 - Outperform baseline systems by a large margin.
 - Rank 2nd on vocals score and 5th on average score (Leaderboard A).