

Test report Introduction about GY/T 363-2023 "3D Audio Coding and Rendering"

In February 2023, National Radio and Television Administration issued GY/T 363-2023 "3D Audio Coding and Rendering" as Radio, Television and Network Audiovisual Industry standard of China. The realization methods of 3D audio, surround audio and stereo audio coding and rendering for radio, television and network audiovisual fields are specified, and the realization reference methods of bit stream representation and decoding process of 3D audio coding, speaker rendering and binaural rendering are defined.

As the first drafting unit of this standard, our institute is committed to studying and promoting the implementation and application of UHD video and 3D audio in Chinese radio and television industry, and hereby provides the English version of GY/T 363-2023.

According to the continuous quality scale (CQS) method stipulated by ITU-R BS.1534, ABP conducted a subjective evaluation of the codec sound quality of Chinese independent 3D audio technology in accordance with this standard from 2022 to 2023, and the evaluation results showed that the codec sound quality of Chinese independent 3D audio technology can reach the level of ITU-R BS.1534 "excellent". The evaluation includes:

- 1) 5.1+4H beds+4objects codec sound quality;
- 2) HOA codec sound quality.

For the full test report, please contact ABP.

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