

Speech/audio coding for phone and broadcasting

 \sim Low-bit-rate speech coding EVS and lossless audio coding ALS \sim

Abstract

Two of high compression speech and audio coding technologies are shown with real-time demonstration. Both are compliant with international standards which NTT Labs made technical contributions. Both are essential for making full use of radio wave bandwidth for cellular phones and broadcasting. One is low-bit-rate speech coding, 3GPP (3rd Generation Partnership Project) EVS (Enhanced Voice Services) which enhances audio bandwidth and audio quality for VoLTE (Voice over Long-Term Evolution). Enhanced VoLTE based on EVS will be available in the near future. The other is lossless audio coding, MPEG (Moving Picture Expert Group)-4 ALS(Audio Lossless) which can deliver identical waveform as in studio to home. High quality video on demand services or IPTV services based on the latest 4K video coding and ALS will be available in the near future.

