

Immersive Voice and Audio Services (IVAS)

The new audio codec in Rel-18 / 5G-Advanced

Service Scenarios and Use Cases

Immersive Telephony

Immersive Experience Sharing

XR Applications

Supported Features

↔ Input formats:

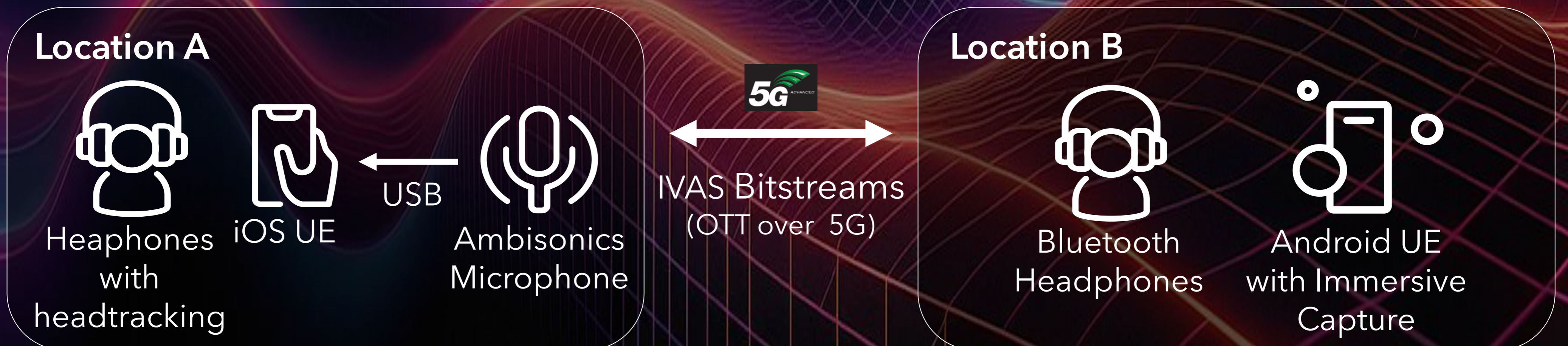
- Ⓞ Mono (EVS / AMR-WB compatible)
- Ⓞ Stereo/Binaural
- Ⓞ Ambisonics (1 - 3rd order)
- Ⓞ Multichannel (5.1 - 7.1.4)
- Ⓞ Objects (1 - 4)
- Ⓞ MASA
- Ⓞ Ambisonics + Objects, MASA + Objects

🎧 Binaural Renderer with Head Tracking

🕒 32 - 38 ms algorithmic delay

📶 13.2 - 512 kbps bitrate

Real-time Immersive Communication Demo



Reference: 3GPP SA4 TS 26.250 Codec for Immersive Voice and Audio Services (IVAS); General overview

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