

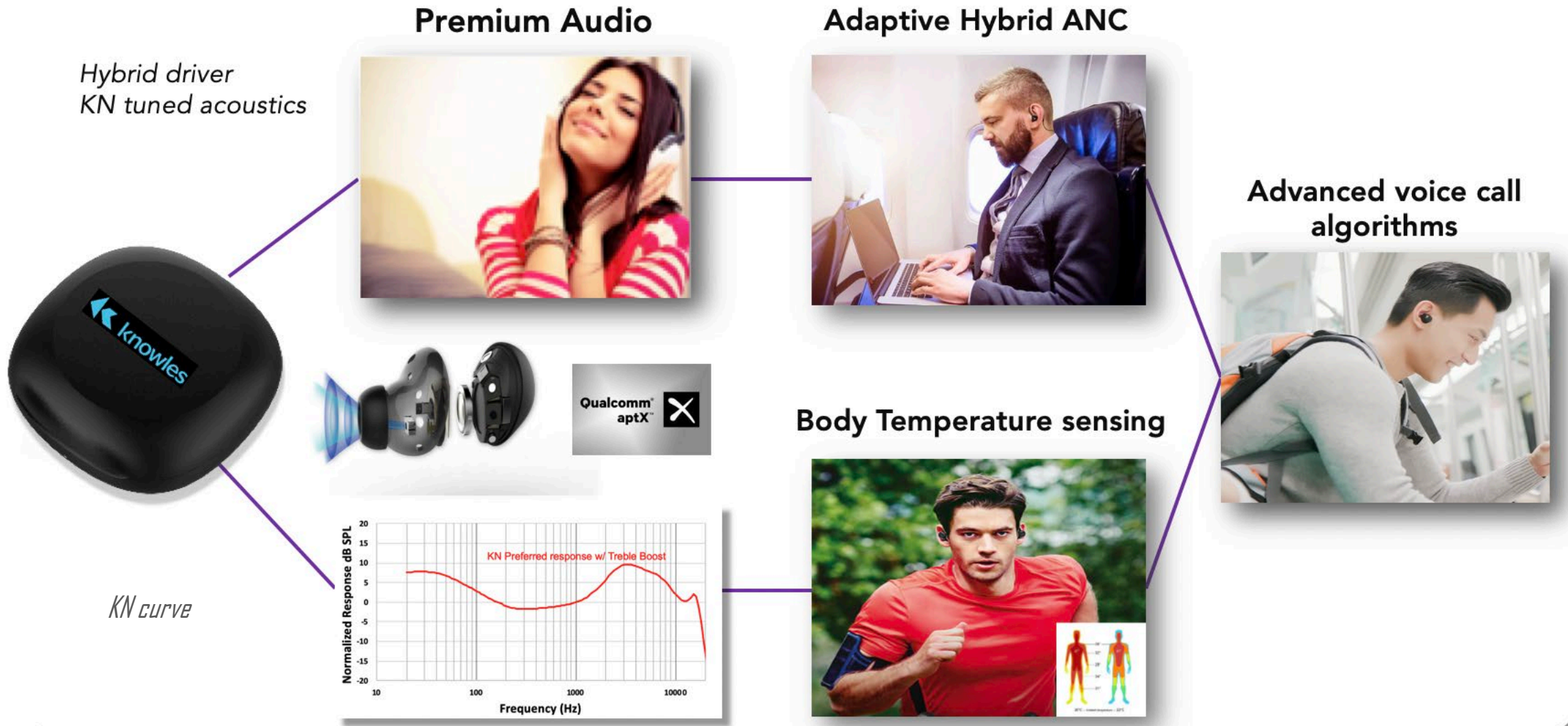


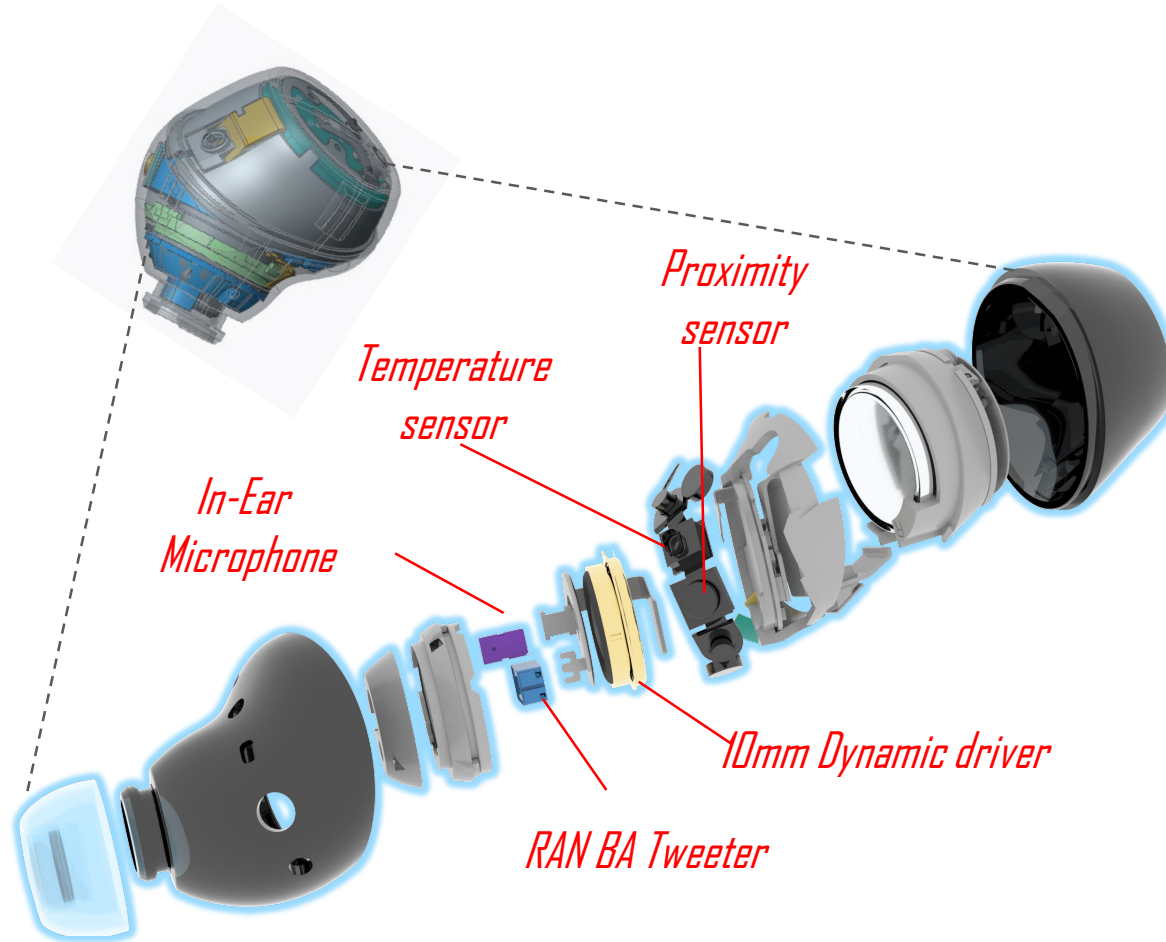
## **KN2 – Premium Knowles Reference Design**

# KN2 Feature Summary

- ▶ Premium Turnkey reference design
- ▶ First design tuned to KN Hearing Preference Curve
- ▶ “Premium Sound” 2-way hybrid using RAN tweeter paired with AptX codec
- ▶ Hybrid ANC & transparency mode – QCOM
- ▶ Dual-mic outgoing noise reduction
  - Three KN mics total per ear
  - QCOM CvC
- ▶ Body Temperature Sensor

# Knowles delivers premium reference design with industry leading features





# Knowles Turnkey TWS Reference Designs

## Key Benefits

- ✓ Turnkey reference design – Fast time to market for TWS with premium sound and ANC
- ✓ Manufactured by leading ODMs
- ✓ Outstanding performance

## Key Features Common to Both Models

- ▶ Premium hybrid driver: Knowles BA model RAN + dynamic
- ▶ Hybrid ANC & transparency mode
- ▶ Long battery life
- ▶ Dual-mic outgoing noise reduction

## Model KN1

Knowles P/N TC-35030-000

- ▶ Extended treble for premium sound
- ▶ Long battery life:
  - ~13 hours streaming, ANC off
  - ~10 hours streaming, ANC on
- ▶ Samples in stock at Knowles
- ▶ SoC Airoha 1562A
- ▶ Audio codecs:
  - SBC
  - AAC



## Model KN2

Knowles P/N TC-35064-000

- ▶ Extended treble according to Knowles Preferred Listening Curve
- ▶ Long battery life:
  - ~8 hours streaming
- ▶ Temperature & in-ear sensors
- ▶ Demo Android app
- ▶ Samples in stock at Knowles
- ▶ SoC Qualcomm QCC5144
- ▶ Audio codecs:
  - SBC
  - AAC
  - aptX (+ Adaptive with license)

