

# Leadership Claim

## Jabra Evolve2 85, Jabra Evolve2 65 & Jabra Evolve2 40

<b>Superiority claim</b>	<p><b>“Engineered to be the Best Headset for Concentration &amp; Collaboration”</b> Product: Jabra Evolve2 85</p> <p><b>“Engineered to be The New Standard”</b> Products: Jabra Evolve2 85, Jabra Evolve2 65 &amp; Jabra Evolve2 40</p>
Source of endorsement	<p>Actual audio, music, ANC, battery time, wireless range performance are measured internally. And the observation of data sheets informing about the availability of Busy lights, No of connectivity, opportunity for personalization, Audio exposure logging, Noise level guidance and MS Teams certification for open office is included into the overall evaluation of the endorsement.</p> <p>The method of measuring is according to an agreed protocol.</p> <p><b>Protocol</b></p> <p><b>Battery time (Full charge)</b> Device is charged fully. Device is connected to a Bluetooth dongle, playing an audio loop. Device playback level is adjusted using the same method for all products. Device is exposed to ITU P.50 artificial speech. Deivce playback time until automatic turn-off is used as final score.</p>

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### Source of endorsement

#### **ANC - Method of measurement:**

1. In a room conforming to IEC263-13, a HATS is surrounded by 4 speakers, all in the same horizontal plane.
  2. Various noise signals according to ETSI database EG 202 396-1 is played through the speakers at calibrated levels.
  3. For each noise scenario, the noise response of the described setup is recorded without any device placed on the HATS. Zwicker loudness of the response is calculated. This loudness level is used as the reference.
  4. Product is placed on the HATS with ANC turned on, and the Zwicker loudness is calculated.
  5. The result is the loudness difference from the reference loudness measured in step 3.
- All calculations are done separately on left and right channel, though the final result is the average for the results of the two channels and all scenarios.  
Zwicker loudness calculation is made according to ISO532B.

#### **Audio measurement:**

Headset performance in communication mode (Rx)

Methods for objective and subjective assessment of speech quality, ITU-T P.863 (POLQA) using Head Acoustics measurement system

Microphone performance in communication mode (Tx)

Methods for objective and subjective assessment of speech quality, ITU-T P.863 (POLQA) using Head Acoustics measurement system

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### Source of endorsement

### Sound quality evaluation – Music performance

The subjective evaluation will be based on Head and Torso simulator (Brüel & Kjær HATS 4128c) recordings of the devices

in an EBU 3276 compliant listening room

### Wireless range procedure

- Test must take place in large flat open area. No trees, walls, power lines etc.
- Ensure product is fully charged
- Ensure wideband mode or standard mode.
- Ensure maximum range settings
- For Bluetooth types, use supplied dongle or ASUS BT400 leaf. Insert dongle without extender cable, into right side of Lenovo T-series laptop. Rear-most USB slot.
- Mount earbud to microphone on DUT. Earbud should play continuous P50 speech. Helps to block out wind-noise.
- If it is not possible to find a good spot for the earbud, or audio does not come through. Use phone in loudspeaker mode.
- Establish connection between DUT and test pc/base.
- Use windows loop-back procedure, delivered by Jabra on March 5'th 2020.
- Test person should be able to hear P50 speech signal from DUT mic, through the DUT.
- Test person walks away from base while wearing headset
- At regular intervals, test person stops and rotates 360 degrees slowly, listening for dropouts/quality degradations.

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Source of endorsement	<ul style="list-style-type: none"><li>• Test person determines when the maximum distance is reached, by determining when the audio drops below category 4.</li><li>• 1 Good- No audible clicks or pops, audio is clear</li><li>• 2 Fair- Noticeable Clicks and Pops, audio is intelligible</li><li>• 3 Poor- Prevalent clicks, pops and hiss, audio barely recognizable</li><li>• 4 Terrible - Link dropped but was able to be reestablished.</li><li>• 5 No Link- Dropped Link</li><li>• PC is rotated slowly, to determine if any angles give worse signal. If so – test person approaches PC while repeating the above procedure, until the worst maximum distance conditions are found.</li><li>• Test concludes when distance is noted.</li></ul>
Footnote/Disclaimer	At the time of internal measurement, March 30nd 2020, Jabra Evolve2 85, Jabra Evolve2 65 and Jabra Evolve2 40 is measured and observed across relevant features to be the new standard and the best headset for concentration and collaboration against leading competitors.