



## Jabra Engage 75 and 65 claim verification

### 1) Summary

FORCE Technology verified the following claim made by Jabra for their newly launched wireless headsets; the Jabra Engage 75 and 65.

The claim was verified through independent measurement.

Product	Claim
Jabra Engage 65 and 75	<b>“Engineered to be the worlds most powerful professional wireless Headset”</b>

The claim is considered to be accurate as of the 4<sup>th</sup> of April 2018. Details of associated disclaimers are given in section 4.

### 2) Method

Jabra Engage 75 and 65 were tested against the 3 main competitor products, on 6 different parameters, selected by GN Audio A/S to be valid in terms of verifying the claim stated in section 1.

FORCE Technology performed each of the 6 different measurements, and calculated an overall score, based on an equal weighting of each measurement parameter.

Measurement specifications were provided by GN Audio A/S

Measures, used as base for this claim are:

Measure	Weighting
Maximum battery life on one charge	16,667%
Battery life, after 30minutes recharge from complete discharge	16,667%
Maximum wireless range, in line of sight, free field conditions	16,667%
Wireless density Wideband	16,667%
Wireless density Narrowband	16,667%
Maximum simultaneously connected devices	16,667%

The overall highest scoring product was Jabra Engage 75, second highest was Engage 65. This is considered verification of the accuracy of the claim stated in section 1.

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ADVANCED  
TECHNOLOGY GROUP

DELTA – a part of FORCE Technology

FORCE Technology Norway AS

FORCE Technology Sweden AB

FORCE Technology

Venlighedsvej 4

Nye Våkås vei 32

Tallmätargatan 7

Park Allé 345

2970 Hørsholm

1395 Hvalstad, Norge

72134 Västerås, Sverige

2605 Brøndby, Danmark

Tel.+45 72 19 40 00

+47 64 00 35 00

+46 (0)21-490 3000

+45 43 25 00 00

Fax +45 72 19 40 01

+47 64 00 35 01

+46 (0)21-490 3001

+45 43 25 00 10

delta@delta.dk

info@forcetechnology.no

info@forcetechnology.se

info@forcetechnology.dk

www.delta.dk

www.forcetechnology.com



### 3) Definitions

*Maximum battery life in one charge* – the headset is fully charged, following specifications in the user manual. Following this, a call is established to the headset, and kept open+active until the headset shuts off. The total time to discharge is the measurement result. The measurement is performed in narrowband

*Battery life, after 30 minute recharge from complete discharge* – the headset is completely discharged, then charged for 30 minutes (i.e. as in a lunch break). Following that, the headset is tested as in the “*maximum battery life in one charge*” measurement. The measurement is performed in narrowband

*Maximum wireless range, in line of sight, free field conditions* – The headset and base are placed in free field conditions (outside, on large flat area) and a call is established. A test-person, wearing the headset, walks away from the base, stopping to count from 1-10, with 1 number spoken pr. second, at regular intervals, until one number drops out of the call. This distance is the measurement result. The measurement is performed in narrowband.

*Wireless density Wideband / Narrowband* – The headset and base, are set up in a shielded RF measurement room and a call is established. A measurement antenna is connected to a spectrum analyzer, suitable for 1,8GHz use, and a zero span test is performed on either the uplink or downlink slot. This time is the measurement result. The measurement is performed in narrowband and in wideband.

*Maximum simultaneously connected devices* – The maximum number of possible external device connections is counted. Count includes amount of simultaneous Bluetooth connections.

### 4) Disclaimers:

\*At the time of the product launch (April 3<sup>rd</sup> 2018) Jabra Engage 65 and 75 were the most powerful professional wireless headsets. Measured externally and against enterprise Dect wireless headsets from three leading competitors. Correct as of 4<sup>th</sup> of April 2018.

### 5) Document Authorization

FORCE Technology confirms that on the 4<sup>th</sup> of April 2018 the claim within this document for Jabra Engage 75 and 65 is correct.

**Authorized by FORCE Technology**

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<b>GTS</b> ADVANCED TECHNOLOGY GROUP	DELTA – a part of FORCE Technology	FORCE Technology Norway AS	FORCE Technology Sweden AB	FORCE Technology
	Venlighedsvej 4	Nye Vaks vei 32	Tallmätargatan 7	Park Allé 345
	2970 Hørsholm	1395 Hvalstad, Norge	72134 Västerås, Sverige	2605 Brøndby, Danmark
	Tel.+45 72 19 40 00	+47 64 00 35 00	+46 (0)21-490 3000	+45 43 25 00 00
	Fax +45 72 19 40 01	+47 64 00 35 01	+46 (0)21-490 3001	+45 43 25 00 10
	delta@delta.dk	info@forcetechnology.no	info@forcetechnology.se	info@forcetechnology.dk
	www.delta.dk			www.forcetechnology.com