

## Jabra Speak2 75 claim verification

### 1. Summary

FORCE Technology has verified the measurements and calculations, which contribute towards substantiating the following claim. The claim wording was created by Jabra for their newly released professional speakerphone Jabra Speak2 75.

Product	Claim
Jabra Speak2 75	"The best professional speakerphone for hybrid working"

### 2. Method

Jabra Speak2 75 was tested against the two largest market leading manufacturers in the business, using 3 major competing products on the market.

Each product was measured on multiple parameters. A specialist from FORCE Technology either performed or monitored and verified all measurements, to ensure that all products were measured correctly, in the same way and under identical conditions.

Area	Weighting	Parameter name	Description	
<b>Sound</b>	50%	25%	Tx Conferencing	33% PMOS + 33% PMOS Alternated 1.5m + 33% GMOS Proj/Conf
		25%	Tx On The Move	33% PMOS + 33% PMOS Alternated 0.5m + 33% GMOS Huddle/Lounge
		20%	Conversation	50 % Echo leaks, 50 % Double Talk
		15%	Rx Calls	33% PMOS Nom Vol + 33% PMOS Max Vol + 33% Max Output Level
		5%	DOA (Direction of Arrival)	Product detects the direction of the primary talker.
		5%	SQE (Speech Quality Indicator)	Real time feedback to the user of their transmitted speech quality
		5%	Music User EQ (Sound)	Presence of separate equalizer for music playback only
<b>Flexibility</b>	50%	10%	Battery life	The total battery time on one charge in call mode
		10%	App support	Is there an app (for pc)
		10%	Teams 2.3m conferencing	Is the product certified for teams for 2.3m talker distance
		10%	Zoom	Is the product Zoom certified
		10%	Google Meet Personal	Is the product Google Meet certified
		10%	IP Rating	Which IP rating does the product have, higher is better.
		10%	Sustanaibility certification	Are any sustainability related certificates available for the product
		10%	Number of ways to connect	How many different ways can the user connect to the product
		10%	Google fast pair	Does the product support Google fast pair
		10%	MS Swift pair	Does the product support Microsoft swift pair

Jabra Speak2 75 received the highest score of all the products.

### 3. Definitions

#### Battery talk time

1. Device is charged fully.
2. Device is connected to a pc via the Bluetooth dongle which is included with the product.
3. The device is set to communication mode (microphone is open) and plays an artificial speech loop.
4. Device playback level is adjusted using the same method for all products.
5. Total battery time is measured as the time from the product is turned on until the product turns off automatically.

#### 3QUEST / POLQA based measurements

All measurements using algorithms are based on the Microsoft Teams certification specifications, which refer to HeadAcoustics 3QUEST and EQUEST measurement systems, and POLQA. PMOS, PMOS Alternated, GMOS, Echo leaks and Double talk scenarios are all tested as specified in the Microsoft Teams certification specifications.

3QUEST: <https://cdn.head-acoustics.com/fileadmin/data/global/Application-Notes/Telecom/3QUEST-Application-Note.pdf>

EQUEST: <https://cdn.head-acoustics.com/fileadmin/data/global/Application-Notes/Telecom/Echo-Quality-Evaluation-of-Speech-in-Telecommunications-EQUEST-Application-Note.pdf>

POLQA: <https://www.itu.int/rec/T-REC-P.863>

Microsoft Teams: <https://learn.microsoft.com/en-us/skypeforbusiness/certification/test-spec>

### 4. Document validation

FORCE Technology confirms the correct performance of measurements and calculations stated in this document.

FORCE Technology confirms that on the 24<sup>th</sup> of February 2023 the claim within this document for Jabra Speak2 75 is accurate, in terms of validity of measurements and calculations it is based upon.

**Authorized by FORCE Technology**