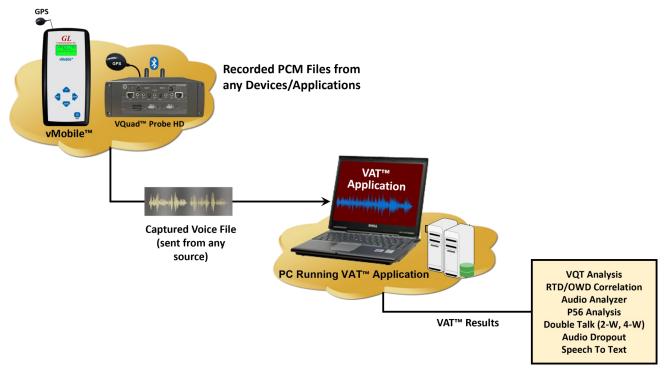
# Voice Analysis Tool (VAT™)



#### **Overview**

The GL VAT™ application analyzes the audio content within any NB, WB, or SWB PCM audio file and generates a variety of audio metrics including Frequency Bandwidth, Speech Activity, Active Speech Level, Noise Level, DC Offset, and RMS Power. When both the Reference file (pre-defined file) and Recorded files are available, the GL VAT™ application can generate additional metrics such as Round Trip and One Way Delay measurement, Audio Dropout analysis, Double-Talk measurements, and Voice Quality Analysis (when also coupled with the GL VQT POLQA solution). Additional metrics of the captured audio includes Speech to Text analysis with pass/fail when coupled with the GL Speech to Text Analysis solution.

GL's VAT™ operations are fully automated by detecting the audio files within a user-specified directory and analyzing same as the files appear. Using configuration settings associated with the Degraded voice file name, the VAT™ can specify which tests to run, specifies the configuration for each test, and associate the Reference file for tests that require both Degraded and Reference files.

All the VAT™ associated results are sent to the GL WebViewer™ central database and can be accessed using the WebViewer™ web browser. If the network connection is lost between VAT™ and the database, the data is saved internally. Once the network connection is re-established the data is automatically sent from the VAT™ to the GL WebViewer™ database, so no data is lost.

For more details, please visit Voice Analysis Tool webpage.

#### **Main Features**

- GL VAT™ supports analyzing any Raw PCM voice file including NB, WB, and SWB. Audio files can be generated from any
  application including GL VQuad™ and vMobile™
- Fully automated operation with log file containing results and stored in the GL Central Database which can be accessed easily using the GL WebViewer™
- VAT™ CLI (Command Line Interface) supports remote operation
- Audio analysis includes, Round Trip and One Way Delay, Dropout Audio analysis, Double-Talk, Power Level and Frequency
  Analysis, Speech Activity, Active Speech Level and Noise Level, and DC Offset
- Supports VQT analysis when coupled with the GL VQT software
- Supports multiple analytical tests per individual voice file



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### **VAT™** Results

VAT™ results are displayed on the main window and these results can be viewed using GL's WebViewer™ database and the results can be saved locally to a log file.

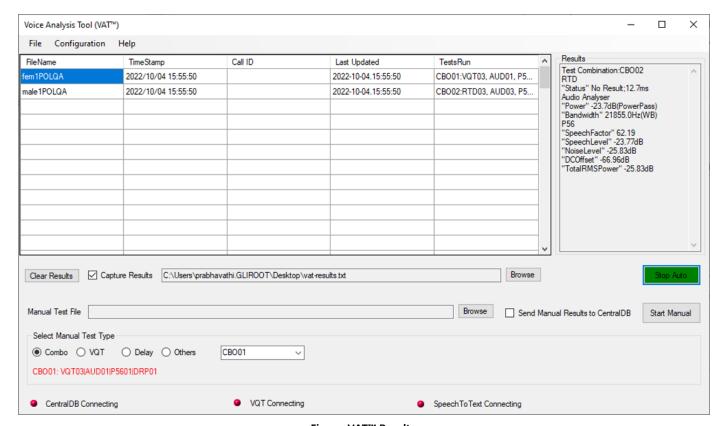


Figure: VAT™ Results

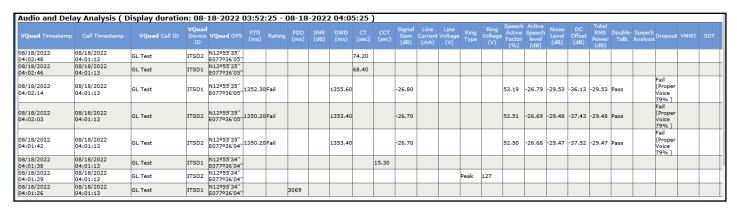


Figure: WebViewer™ Database

## **Buyer's Guide**

Item No	Product Description
<u>VQT008</u>	Voice Analysis Tool
<u>VQT291</u>	vMobile™
<u>VQT002</u>	Voice Quality Testing (PESQ only)
<u>VQT010</u>	VQuad™ Software
<u>VQT006</u>	Voice Quality Testing (POLQA v 2.4)
<u>VQT007</u>	Voice Quality Testing (POLQA v3)
<u>VQT014</u>	VQT POLQA Auto™
VQT014U	Upgrade from VQT POLQA to VQT POLQA Auto™
Item No	Related Hardware
<u>VQT251</u>	Dual UTA HD Next generation Dual UTA with FXO Wideband support
<u>VQT252</u>	Dual UTA HD – Bluetooth Option
<u>VQT280</u>	VQuad™ Probe HD (with Dual UTA HD)
Item No	Related Software
<u>VBA032</u>	Near Real-time Voice-band Analyzer

For more details, please visit <u>Voice Analysis Tool</u> webpage.

WebViewer™

For complete list of VQT products, please visit Voice Quality Testing Software webpage.

Echo Measurement Utility (EMU) Software

**EMU037** 

**VQT040**