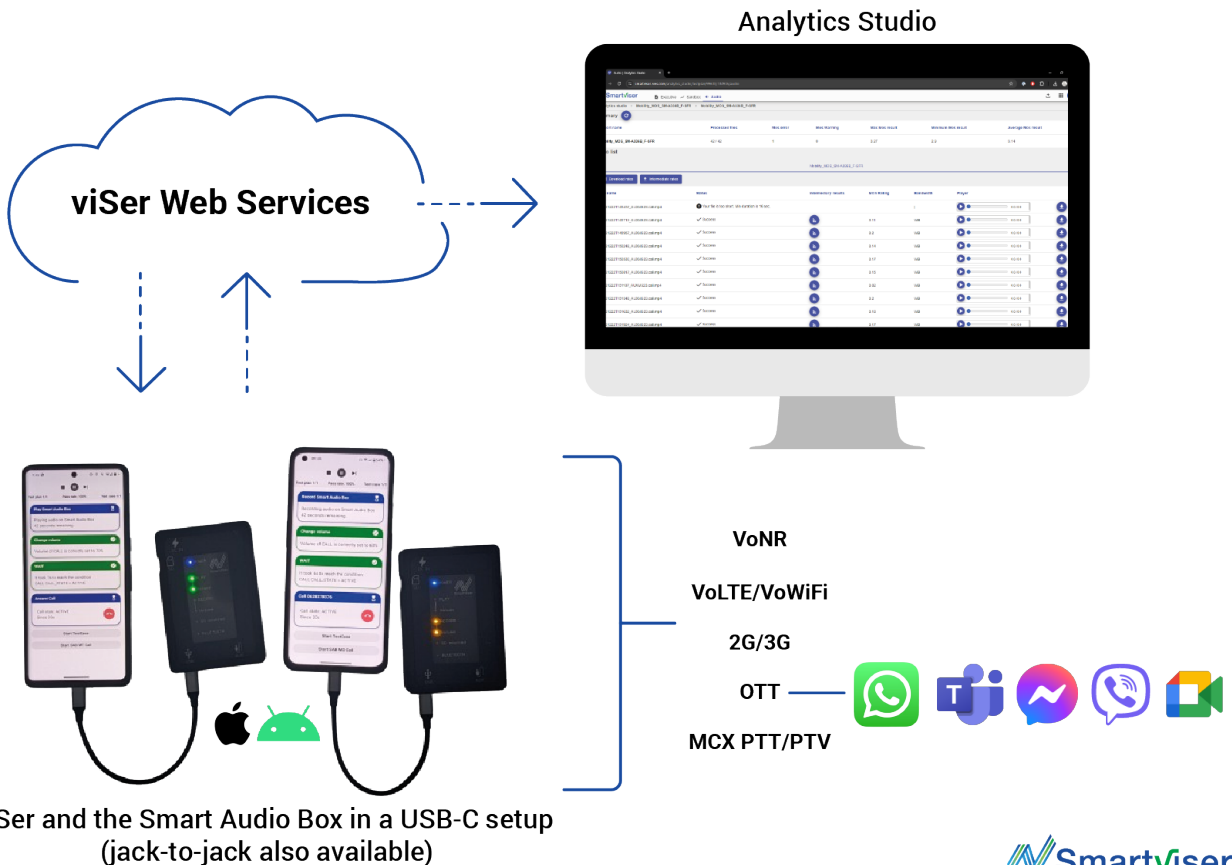


Audio/Voice Quality MOS Solution

SmartViser is offering an innovative solution based on the industry standard POLQA for Voice Experience Evaluation.

Key Highlights:

- Supports any device Android or iOS
- Works on any chipset
- Can be used on non-rooted devices for true end user experience evaluation
- Full End to End Evaluation MO (Uplink) and MT (Downlink)
- Fully standalone and light solution Static or Mobility Testing
- MOS Score based on POLQA V3 Algorithm
- Supports Cellular calls assessment 2G, 3G, VoLTE, VoWiFi, 5G NR
- Supports any OTT calls, WhatsApp, Viber, Microsoft Teams, Google Meet, Facebook Messenger, Skype



Use cases

SmartViser's Audio MOS solution supports a variety of use cases and market segments. It allows launch readiness assessment's, comparative analysis and ranking, pre- testing of new technology, services and devices



Regulators

Assessing and benchmarking performance, different networks, devices and technology.



Smartphone Manufacturers

As part of voice service evaluation, pre-launch assessment and ongoing monitoring throughput software and OS upgrades.



Mobile Network Operators

Device acceptance teams to ensure any device in the networks offers the best end user experience in terms of speech quality.



Satellite /NTNs

Ensure performance and interoperability with Android and iOS devices. Test calls are established and voice call maintained.



Mission Critical

For PTT (Push to talk) assessments based on ETSI standards assessing Voice performance MOS scores using POLQA algorithm.



Chipset Vendors

Tests teams to ensure thorough testing and voice quality MOS score in different cellular technologies, prior to technology release.



MNOs Network

Launch readiness assessment for new voice services like Voice NR and new voice codecs. Benchmark user experience between legacy and new services



Labs

Perform testing campaigns using the latest technologies including benchmarking on different devices or different mobile network operators.

KPIs and System Overview

Some of the KPIs supported are:

- MOS score POLQA
- Bandwidth
- Call set up time
- Audio bandwidth
- Mouth-to-Ear delay
- Intermittent score every 8 seconds

Fully Automated Speech/Audio MOS Evaluation for the entire process from test set up and execution to test results analysis and reporting.

SmartViser Audio MOS solutions allows voice/speech quality and call performance at the same time while collecting other key network metrics.

Reliable and fully scalable testing set up.

viSer (=Virtual User), a device-agnostic mobile application, is a proven test automation solution to improve quality and increase productivity while reducing costs.

SmartAudio Box (SAB) Simplifies the audio MOS set up, injects the POLQA reference audio sample, plays and records.

Viser Web Services (VWS) Studio analytics aggregate and reports the results.

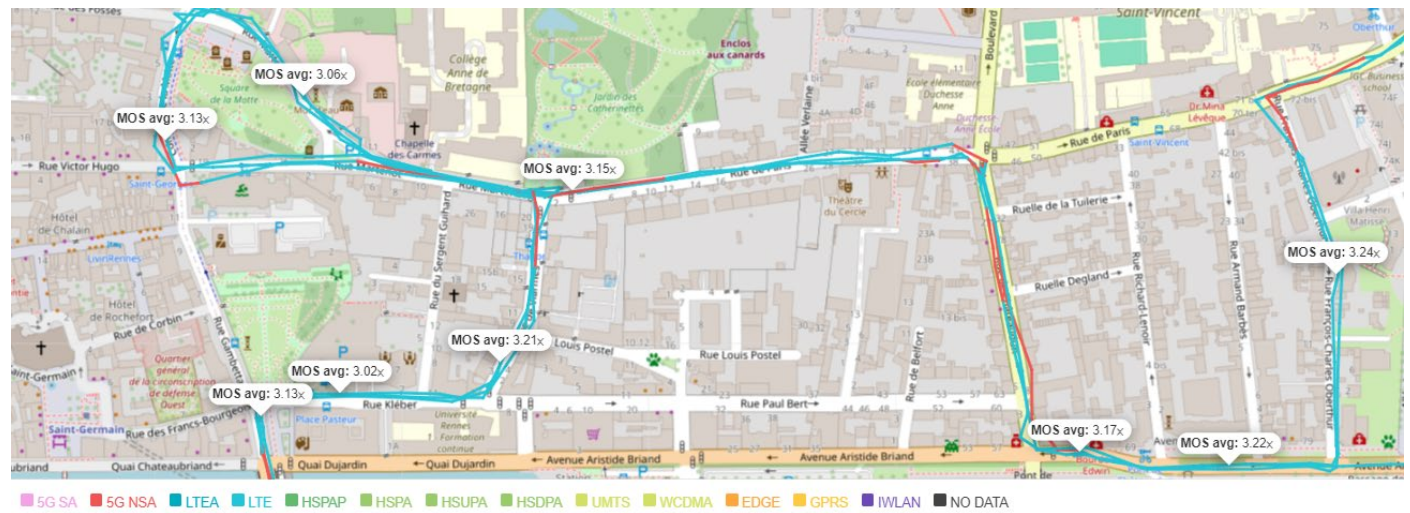


Sample Reports VWS

Viser Web Services Studio Analytics is a powerful intelligent dashboard.

Report Name	Processed Files	Max MOS	Min MOS	Average MOS
Mobility MOS	42/42	4.27	2.9	3.58

Sample summary Table Report



MOS Scores plotted on the Map View

