



Video Services

Provide your customers more than moving color pixels!

Video Telephony

Do you provide reliable video telephony in 3G UMTS?

High quality for Video Telephony using 3G UMTS is an absolute must, without which it is used perhaps once, and then never again by your subscribers!

The premium cost paid for the use of UMTS service will most often increase customer's expectations regarding quality of service rendered.

Due to competitive pressure, it is mandatory for wireless service providers to increase their subscribers' average revenue quickly by successfully launching new services such as video telephony.

At the same time, they must maintain the consistent high quality their customers have come to expect.

The implementation of this technology often involves complex interaction between network nodes supplied by different manufacturers and therefore constant automated testing should be applied to check initial configurations, and then provide active continuous monitoring of the service.



- Video Telephony
- Video Quality
- Streaming

Sample KPIs

- Video send duration
- Video call duration
- Video file size
- Audio send duration
- CS Bearer establish duration



Sample Features

- Real End-to-End (mobile-to-mobile) Video Telephony
- Usage of standard 3G UMTS interfaces – no special hardware required
- Usage of standardized or customer specific video/audio sequences
- Usage of a market leading protocol stack



Video Quality

Is your network Video Quality excellent?

3G UMTS opened a world of possibilities with multimedia applications. Customized infotainment like streaming video, video messaging, mobile TV and video telephony offer a unique opportunity to create a market for highly personalized and truly inimitable mobility services. For mobile customers the quality of services is decisive for acceptance; especially for motion picture based services, quality is the key factor of success.

Keynote SIGOS Test Systems deliver perceptual quality measurements to reproduce subscribers' quality impression mapped to the mean opinion score (MOS), similarly to other quality tests.

Be sure that your network's new multimedia applications are more than just moving color pixels.

Sample Features

- Testing IVR trees Real End-to-End Testing of real-time video services (video telephony, video streaming, video messaging)
- Objective MOS Video Quality result values from 1 - 5 (1-bad, 2-poor, 3-fair, 4-good, 5-excellent)
- PEVQ analysis is based on human model of visual perception

Sample KPIs

- MOS value
- Delays
- Brightness
- Contrast
- Distortion indicators



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Streaming

What about your Streaming service?

Today, almost every major event, e.g. sport, news or society events can be accessed via real-time multimedia streams on a mobile phone. These multimedia applications become more and more important in the wireless and mobile community.

To make sure that customers can enjoy these exciting premium services, it is most important to guarantee an impeccable streaming service. Using the industry standard protocols RTP and RTSP, the Keynote SIGOS Test Systems are up-to-date with the latest technology. Scheduled and continuous active testing ensure that multimedia streams deliver the desired contents and the required quality even to the largest possible groups.

Sample Features

- Parallel subsessions per stream, e.g. video and audio
- Send streamed multimedia over IP
- TCP or UDP transport protocols
- Measurement interval in multiple of 100 milliseconds
- Used industry standard RTP/RTSP

Sample KPIs

- RTSP packets loss percent video
- RTSP packets loss percent audio
- RTSP packets received video
- RTSP packets received audio