

You provide reliable video telephony in 3G UMTS?



Video telephony is “*conditio sine qua non*” in 3G UMTS – an absolute must without which it does not go!

A high acceptance of the mobile UMTS subscriber is expected regarding the introduction of video telephony.

However, this promising wireless service can cause new problems across multi-technology networks. It is mandatory for wireless service providers to increase their subscriber's average revenue quickly by launching new services such as video telephony. At the same time, they must also maintain the same stable, consistent quality their customers have come to expect. Today where legacy services co-exist with 3G offerings, End2End testing and roaming automation are critical requirements for service deployment and profitability.

Therefore, the video telephony service should be regularly tested with a trusted partner.

SIGOS offers you a fully automated Video Telephony Test System!

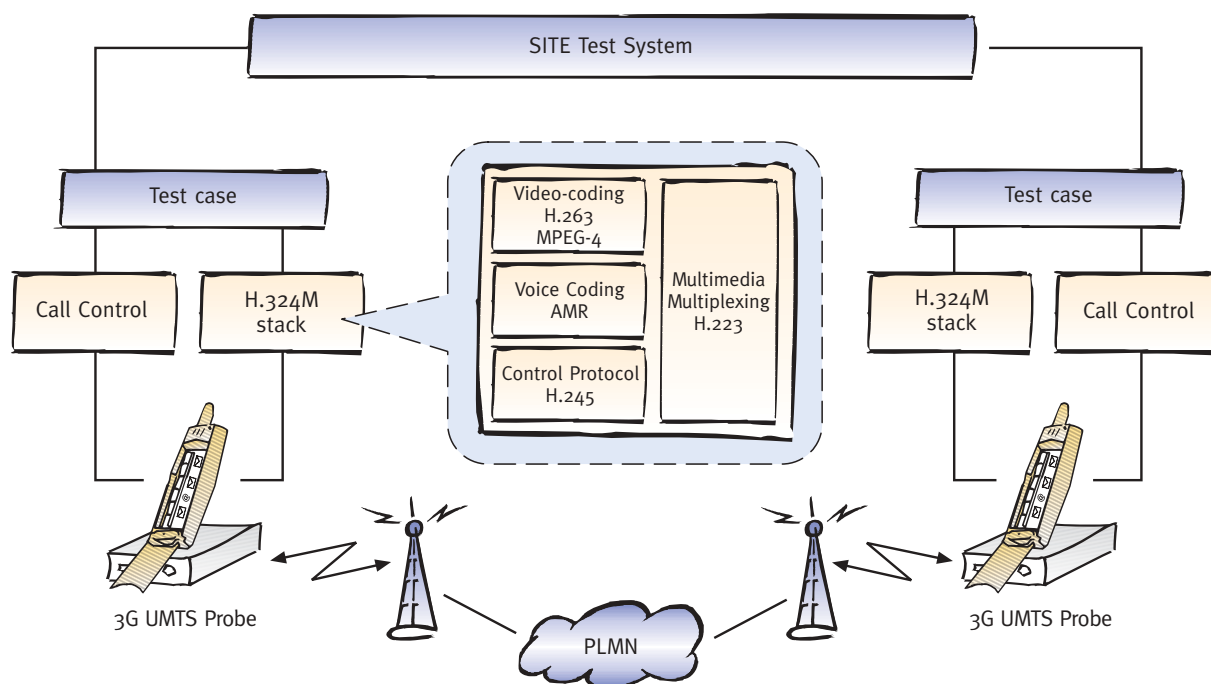
Features

- ▶ Simulation of real subscriber behaviour
- ▶ Over the air testing
- ▶ Central SIM Multiplexer: infinite number of SIM cards can be managed
- ▶ Interfaces: UMTS U_u
- ▶ Real End2End (mobile-to-mobile) Video Telephony
- ▶ Usage of SITE's standard 3G interfaces – no special hardware required
- ▶ Calculation of audio/voice quality (optional)
- ▶ Calculation of video quality (planned)
- ▶ Usage of standardized or customer specific video/audio sequences
- ▶ Usage of a market leading protocol stack



Video telephony with SITE

Video Telephony is a key service for 3G. Mobile VT is based on 3G-324M/H.324M protocol stack which is the “mobile” extension of the H.324 stack. Currently the only reliable way for VT calls is to use a 64 kbps circuit-switched connection to avoid delays as much as possible. So VT is a real high performance service for mobile networks and it is currently only possible via 3G networks.



Specific test case results:

- ▶ Detailed Error Codes from the VT stacks
- ▶ VT setup time
- ▶ Measurements for data quality (delays, drops)
- ▶ Trace information for advanced analysis
- ▶ MOS value for audio/speech quality (optional)
- ▶ MOS value for video quality (planned)

Your benefits

- ▶ Automated testing: avoid time and money consuming manual tests
- ▶ Increase reliability of the GSM and UMTS networks ARPU
- ▶ Increase customer satisfaction
- ▶ SQM: monitoring and measuring of service availability and quality Ensuring SLAs with precise KPIs
- ▶ Scalable architecture: from stand alone to widely distributed systems
- ▶ Central SIM Multiplexing No “SIM card traveling”
- ▶ Quick detection of problems due to parallel testing at any time