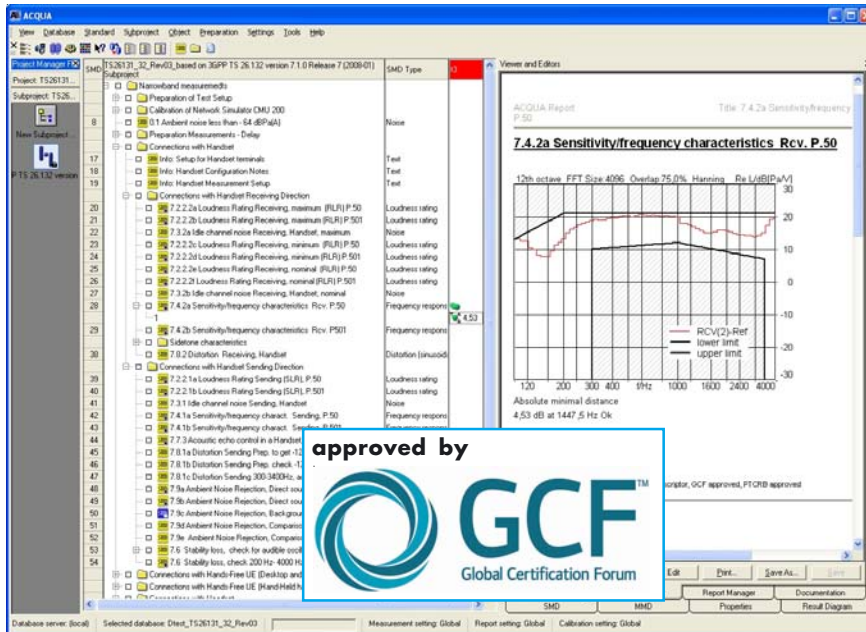


**ACOPT 23 (Code 6848)  
Option GCF**

**OVERVIEW**

The Global Certification Forum (GCF) has defined test criteria for certification of 2G and 3G mobile equipment. As a member of GCF, HEAD acoustics is able to offer the GCF-approved test platforms TP89 and TP90 which cover audio test cases for 2G and 3G according to 3GPP TS 26.131/TS 26.132 and TS 51.010-1.

In combination with TP89 or TP90, option GCF (ACOPT 23) for the Advanced Communication Quality Analysis System ACQUA enables manufacturers and test laboratories to submit test cases of 2G and 3G mobile equipment validated on any of these two test platforms to the Global Certification Forum for official GCF approval.



3G Measurement standard TS 26131-32 in analysis system ACQUA (part of GCF-approved test platforms TP89 and TP90)

**DESCRIPTION**

Option GCF (ACOPT 23) is used in combination with the GCF-approved test platforms TP89 or TP90 which consist of the hardware and software components listed under "Accessories" (not included in the delivery of ACOPT 23).

Test reports generated by ACQUA with ACOPT 23 and unmodified (read-only) measurement standards TS 26131-32 or TS 51.010-1 include a statement that the test results have been achieved on a GCF-approved test platform.

**APPLICATIONS**

- GCF-approved audio tests of 2G and 3G mobile equipment according to 3GPP TS 51.010-1, section 30, V7.8.0 (2008-01) Release 7 and 3GPP TS 26.131/TS 26.132 V7.1.0 (2008-01) Release 7.

**REQUIREMENTS**

- Test platform TP89 or TP90 (cf. "Accessories")
- No modifications of the measurements standards TS 26131-32 or

TS 51.010-1 allowed (standards must be used in read-only mode)

- Valid software maintenance agreement (SMA) for existing customers

**DELIVERY ITEMS**

- Option GCF (ACOPT 23), Code 6848, as license key for ACQUA

**ACCESSORIES**

The GCF-certified test platforms TP89 and TP90 consist of the following HEAD acoustics hardware and software components:

- ACQUA** (Code 6810 or compact systems), Version 2.3.300 or higher: Test system
- TS 26131-32** (Code 6777), Rev.03, Ver. A23300.3: Test Standard 3GPP TS 26.131/TS 26.132 V7.1.0 (2008-01) Release 7
- TS 51.010-1** (Code 6742), Rev.06, Ver. A23300.6: Test Standard 3GPP TS 51.010-1, section 30, V7.8.0 (2008-01) Release 7
- HMS II.3** (Code 1230): Head and Torso Simulator

- HER IV.2** (Code 1381): Ear Type 3.3
- HER III.1** (Code 1249): Ear Type 3.4
- HHP III** (Code 1400): Handset Positioner
- for **TP89: MFE III** (Code 6201 or 6202): Frontend for Signal Conditioning
- for **TP90: MFE VI.1** (Code 6462): Frontend for Signal Conditioning

Upon request, additional third-party components such as ear type 3.2 (high and low leak) or signalling unit CMU-200 are available.

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