

**TBR 10 Ed. 3
 (Code 6711)**

CAS TE Option

Measurements according to ETSI standard TBR 10 (DECT, Europe)

The CAS option TBR 10 meets all requirements of the measurement regulation.
 The valid issue is dated April 1999 (The numbering relates to the corresponding section in the ETSI document TBR 10).

Measurements to TBR 10:

- 7.7 PP (portable part) sending frequency response
- 7.8 PP receiving frequency response
- 7.9 PP Loudness rating (SLR and RLR) (Send and Receive)
- 7.10 Manual volume control in the PP
- 7.11 PP Talker sidetone masking rating
- 7.12 Listener sidetone masking rating (LSTR)
D-value
- 7.13 Terminal Coupling Loss (TCLw) of a PP
- 7.14 FP (fixed part) echo control functions, Artificial echo loss
 - 7.14.3 Requirement for artificial echo loss of a FP
 - 7.14.4 Requirement for echo control of a FP (S0 interface)
- 7.15 Stability loss - fixed geometry
- 7.16 Stability loss - variable geometry
- 7.17 Sending Distortion
- 7.18 Receiving Distortion
- 7.19 Sidetone distortion
- 7.20 Out-of-band signals (sending)
- 7.21 Out-of-band signals (receiving)
- 7.22 Sending Noise
- 7.23 Sending Noise (narrow band)
- 7.24 Receiving Noise
- 7.25 Sampling frequency level (receiving)
- 7.26 Acoustic shock
- 7.27 DECT network delay (entire system: FP + PP)
- 7.28 Portable Part delay (PP)
- 7.29 Fixed Part delay (FP)
- 7.30 Echo control at the network side
 - 7.30.2.1 Echo cancellation (network side), 4-wire interface
 - 7.30.2.2 Echo cancellation (network side), 2-wire, interface
- 7.31 Variation of gain with input level (amplitude dependency) - sending
- 7.32 Variation of gain with input level (amplitude dependency) - receiving
- 7.33 Additional requirements for DECT systems provided with a 2-wire PSTN interface

Overview

TBR 10 is an extension to CAS-TE versions (Communication Analysis System - Telecom) for automated measurements to ETSI standard TBR 10 (ETSI: European Telecommunications Standards Institute, TBR: Technical Basis for Regulation).

TBR 10: Radio Equipment and Systems (RES); DECT: Digital Enhanced Cordless Telecommunications (DECT); General terminal attachment requirements; Telephony applications

SYSTEM PRE-REQUIREMENTS

- **CAS TE 0/II/III/III (Code 6620/6650/6850/6900/6910/6920):**
Communication Analysis System - Telecom
- **MFE III.1 (Code 6201):**
CAS Measurement Frontend for data acquisition incl. line simulation
- **HNG III.1 (Code 6510):**
Noise generator for diffuse noise field generation
- **MFE IV.1 (Code 6301):**
CAS Measurement Frontend for data acquisition at digital terminal equipment and transmission systems
- **Mouth and Ear Simulator (Testhead)**
- **Radiotester**
- **TEH I (Code 6290)**
Telecom Electronic Hybrid

STANDARD DELIVERY ITEMS

- **TBR 10 (Code 6711):**
Option to CAS TE - Measurements to TBR 10: measurement descriptors for automatic measurement to requirements

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