

**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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