

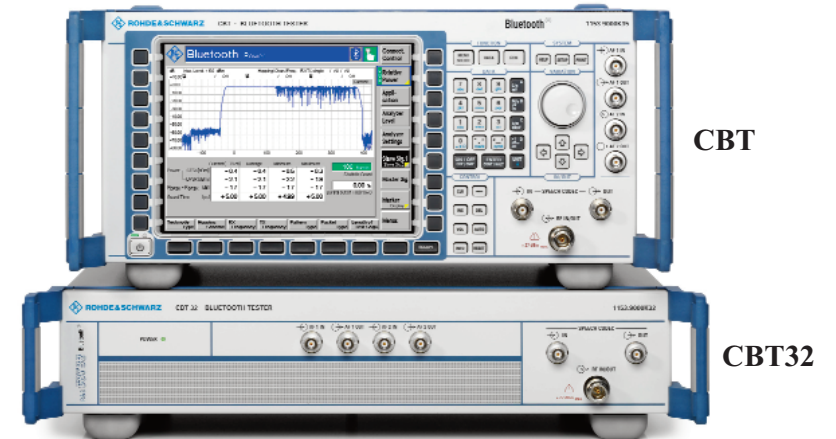
Rohde & Schwarz R&S®CBT & CBT32

Bluetooth RF Testers

Fast and versatile for development, production and verification

Reasons to buy the R&S®CBT

- ▶ Two models available with/without a large color display
- ▶ Fastest Bluetooth® tester for manufacturing environments
- ▶ Very short cycle time for high production throughput
- ▶ Ability to send control commands to the device under test (DUT)
- ▶ Supports the latest Enhanced Data Rate (EDR) specifications
- ▶ Integrated spectrum measurements on the R&S®CBT
- ▶ Free R&S®CBTGo PC software package for automatic testing



CBT

CBT32

THE R&S®CBT IS THE RIGHT TOOL FOR A WIDE RANGE OF APPLICATIONS

APPLICATION	HOW THE R&S®CBT MEETS YOUR NEED
<i>Power Density Measurements</i>	<i>The R&S®CBT causes the DUT to send a desired signal on all channels and measures the DUT output power vs. frequency</i>
<i>Receiver Quality Measurements</i>	<i>A desired signal and interferer signal are generated and the bit error rate results are measured</i>
<i>Modulation Measurements</i>	<i>The R&S®CBT measures parameters such as frequency accuracy and carrier frequency drift and displays results</i>
<i>Out-of-Tolerance Measurements</i>	<i>A measurement stop condition can be set when determining channels in which the DUT exceeds specified tolerances</i>
<i>Bluetooth®RF Test Cases</i>	<i>Supports a broad range of Bluetooth test purposes as described in the Bluetooth RF Test Specification V1.2/V2.0/V2.0+EDR</i>
<i>Audio Measurements</i>	<i>With option R&S®CBT-B41, you can perform single-tone and graphical multi-tone measurements</i>

What makes the R&S CBT a great value?

Full support of TX measurements, RX measurements and Test Cases as described on the Bluetooth® RF Test Specifications V1.2/V2.0/V2.0 + EDR.
 Best-In-Class Bluetooth® RF tester with full functionality and spectrum measurements at a low price.
 Cost-effective rack version R&S®CBT32 available for production applications.

Key Specifications at a Glance

Specifications	R&S®CBT/CBT32
Standards	Bluetooth Core Specification V1.1, V2.0+EDR: Test Mode supported RF Test Specification V1.2/V2.0/V2.0+EDR
RF Generator	
RF Channel Definition Bluetooth Menu	2402 MHz + k * 1 MHz, k = 0 to 93
Frequenct Range RF Menu Bluetooth Menu	2398 MHz to 2499 MHz 2402 MHz to 2495 MHz
Frequency Resolution	1 MHz
Frequency Offset Range	+/- 250 kHz
Output Level Range (RF IN/OUT) Basic rate packets EDR packets (2-DHx, 3-DHx)	-90 dBm to 0 dBm -90 dBm to -3 dBm
Hopping Scheme Modes in line with standard	Europe (except France), USA, France, RX/TX single frequency reduced hopping
Output Level Resolution	0.1 dB
RF Analyzer	
RF Channel Definition Bluetooth Menu	2402 MHz + k * 1 MHz, k = 0 to 93
Frequenct Range RF Menu Bluetooth Menu	2398 MHz to 2499 MHz 2402 MHz to 2495 MHz
Frequency Resolution	1 MHz
Hopping Scheme Modes in line with standard	Europe (except France), USA, France, RX/TX single frequency reduced hopping

Extras included with the R&S®CBT/CBT32

- ▶ Free firmware updates available on our website <http://www.rohde-schwarz.com>
- ▶ Standard 1 year warranty and 1 year calibration included with purchase
- ▶ Free R&S®CBTGo PC Software for automatic testing

Service Options

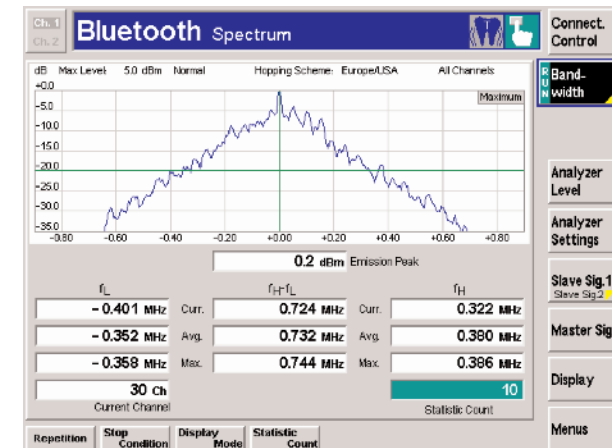
3 and 5 year calibration and repair service options are available

Ordering Information

Product	Type	Order No.
Bluetooth tester with display, 4 HU	R&S®CBT	1153.9000.35
Bluetooth tester without display 19", 2 HU	R&S®CBT32	1153.9000.32

Suggested Options and Accessories

Product	Type	Order No.
Option for CBT: Audio Generator and Analyzer	R&S®CBT-B41	1170.3406.05
Option for CBT32: Audio Generator and Analyzer	R&S®CBT-B41	1170.3406.02
Option for CBT/CBT32: EDR Extension (ex factory only) CBT-K55 required	R&S®CBT-B55	1170.3006.02
Option for CBT/CBT32: Audio Profile Support Handsfree and Headset Profiles	R&S®CBT-K54	1170.3806.02
Option for CBT/CBT32: Enhanced Data Rate (EDR) CBT-B55 or CBT-U55 required	R&S®CBT-K55	1170.3206.02
Upgrade kit for CBT/CBT32: EDR HW Extension CBT-K55 required	R&S®CBT-U55	1170.3106.02



R&S®CBT Screen Shot of a Spectrum Measurement

For more information go to our website:

<http://www.rohde-schwarz.com/product/cbt.html>

