



BLUETEST.se

HP700 RTS60 Performance Upgrade Package

High Speed, High Performance OTA Test System

HP700 Upgrade

The HP700 is discontinued from Bluetest's range of products and is replaced with the new Reverberation Test System (RTS). Bluetest offer upgrades to already installed HP700 systems to achieve the same performance as the new RTS60.

Improve your Test Throughput

The easy handling of the RTS systems makes the testing faster and more effective than with other solutions on the market. The downtime due to maintenance is reduced to a bare minimum. The calibration is extremely simple and can be performed by the operator in 15 minutes.

Best in Class Accuracy, Repeatability and Stability

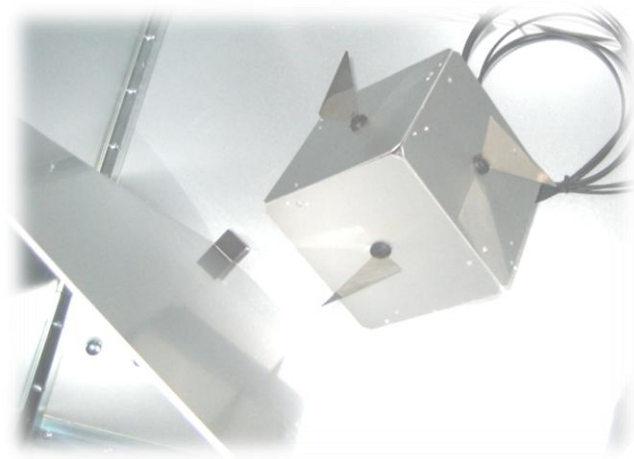
Accuracy of the measurements in a Bluetest RTS is excellent and measurements can be repeated over again with the same result. The robust design of software and hardware makes the stability something that users do not need to worry about.

Future Proof Investment

Due to the realistic multi-path test method used in RTS systems it is easily extended to any future technologies. The design is scalable, which means that an investment only needs to contain the technology that is used in the development right now. Technologies that will be used tomorrow can be added tomorrow. Small footprint means that the chamber easily can be placed at any location in the lab or office and is easily movable to a new place if required.

HW Upgrade Package to RTS60

Bluetest is introducing a superior mode stirring and measurement antenna concept, called C67. The C67 takes the Bluetest reverberation test technology to a new level and makes it possible to do OTA measurements with an extreme accuracy and repeatability. Bluetest offers an upgrade package for the discontinued HP700 system, including all HW (C67 mode stirrers upgrade, RTS turntable, RTS access panel, etc) that are necessary to reach RTS60 performance.



Active MIMO Measurement

The HP700 system can, as in the past, be upgraded to active MIMO measurements.

Software Options

The same software options as for the RTS60 are available for the HP700.

DUT Control

Possibility to control the DUT (Device Under Test) via USB or Ethernet* is offered as an option to the HP700 system.

* Requires the HP700 to be upgraded with the RTS upgrade package or an RTS access panel.

DUT Power

DC power* to a laptop or a DUT is available as an option to the HP700.

* Requires the HP700 to be upgraded with the RTS upgrade package or an RTS access panel.

Wide Range of Systems Options

The same system options as for the RTS60 are available for the HP700. The options includes reference antennas, DUT fixtures, system loads and table to place DUT's on.

Specification HP700 after upgrade

Supported Passive Measurements

Antenna Efficiency Measurements
Diversity
MIMO

Supported Active Measurements

TRP
TIS
TPUT (Throughput)

Accuracy

Passive Measurements 0.3 dB (STD)
TRP 0.3 dB (STD)
TIS 0.5 dB (STD)

Repeatability

0.1 dB (STD)

Test Time (Typical)

Passive Antenna Measurements 1 min
Passive Diversity Gain 1 min
Passive MIMO Capacity 1 min
Test Time TRP 1 min/channel
Test Time TIS 10 min/channel
Test Time TPUT 1-2 min
Test Time Fast TIS 3 min/channel*

*GSM and WCDMA

Frequency Range 650 – 6000 MHz

Supported Technologies (software options)

	TRP	TIS	Fast TIS	TPUT MAC* (Throughput)	TPUT IP* (Throughput)
GSM	✓	✓	✓		
GPRS/EGPRS	✓	✓			
WCDMA	✓	✓	✓		
HSPA/HSPA+ (SISO)	✓	✓		✓	✓
CDMA2000 1x	✓	✓			✓
EVDO Rev 0 and A	✓	✓		✓	✓
LTE (SISO & MIMO 2x2)	✓	✓		✓	✓
WiMAX	✓	✓			✓
WLAN	✓	✓			✓
802.11b/g					
Bluetooth	✓	✓			

* Depends on the capabilities of the selected base station simulator

Supported Network Analyzers

Most available Agilent, R&S and Anritsu analyzers

Supported Base Station Simulators

Agilent 8960/N4010A
Anritsu MT8815/8820/8860
Rohde & Schwarz CMU 200/CMW 500

Shielding >100dB

Ordering Information

HP700 Upgrade

171 Hardware upgrade package for the HP700 to reach the same specifications as the RTS60 system. Includes: upgrade to C67 mode stirrers, new turntable, new measurement antennas, RTS access panel, etc.

Hardware Options

116 Active MIMO 2x2
115 Lamp inside the system
170 RTS Access panel: enables USB, Ethernet, DC power, new high voltage control box, etc*

* Included in 171, HP700 upgrade to RTS60 package

DUT Communication Interfaces

174-1 Basic equipment, shielded box, wave trap, etc (Mandatory to be able to have data interfaces)
174-2 USB 2.0, includes filters, optical converters, power supplies, fiber, cables, etc.
174-3 Ethernet 10/100Mb, includes filters, optical converters, power supplies, fiber, cables, etc.

Measurement Accessories

151 Cylinder for lossy liquid
Used as load in the system
152 Antenna/Mobile holder
Flexible positioning of the DUT
153 Small table for DUT (Laptop or head phantom)

Calibration Antennas

131 Calibration antenna 650 MHz – 3.5 GHz
132 Calibration antenna 2.0 GHz – 6.0 GHz

Bluetest AB

Götaverksgatan 1, SE-417 55 Göteborg
SWEDEN,
sales@bluetest.se
Tel: +46 733 24 48 58



World Wide Sales

AUSTRIA, GERMANY and SWITZERLAND

GIGACOMP
Bernd Fleischmann, bernd.fleischmann@gigacomp.de,
Tel. +49 89 3220 8957

FINLAND

Weltest Systems Ky
Vesa Kauppinen, vesa.kauppinen@weltestsystems.com,
Tel: +35 8500 553 009

USA, CANADA and MEXICO

MI Technologies Kirk Anderson, kanderson@mi-technologies.com,
Tel: +1 678 475 8378

JAPAN

TOYO Corporation Shogo Etoh, etoh@toyo.co.jp,
Tel. +81 3 3279 0771

KOREA

Dymstec Elena Jo, info@dymstec.com
Tel. 82-31-777-8450

TAIWAN

QuieTek Corporation
David Cheng, davidcheng@quietek.com, Tel. +886 2 8601 3638

CHINA

Corad Technology Limited
Ken Guan, hj.guan@tnmcorad.com, Tel +86 21 6466 9185
QuieTek Corporation
David Cheng, davidcheng@quietek.com, Tel. +886 2 8601 3638

SINGAPORE and MALAYSIA

ST Electronics Simon Yip Weng Peng, simonyip@stee.stengg.com,
Tel: +65 6568 6346,