

RTX2300 ACCESSORIES

BLUETOOTH LOW-ENERGY RF TESTER ADD-ON MODULE
DATA SHEET

The Bluetooth Low-Energy RF tester add-on module is an optional instrumentation module for the RTX2300 Smart ATE unit which enhances its test capabilities whilst reducing the number of separate stand-alone instruments needed in the ATE solution.

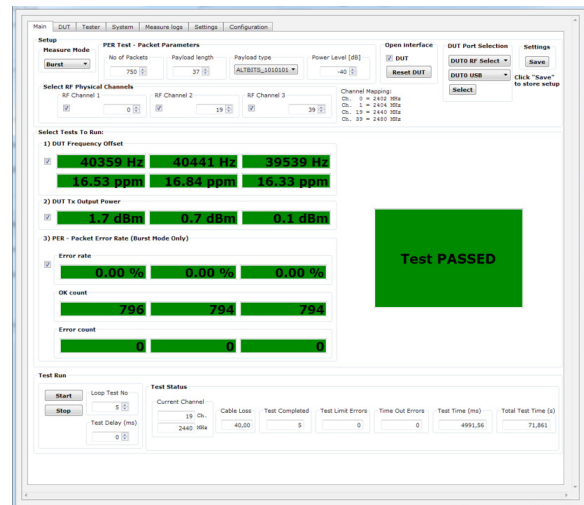
RTX2300 BLUETOOTH RF TESTER

The Bluetooth Low-Energy RF tester enables the user of the RTX2300 Smart ATE to perform inline tests of receive and transmit paths in BLE devices as well as combined tests of BLE devices such as firmware downloads, base-band tests, RF tests, etc.

The Bluetooth Low-Energy RF tester module is designed to be mounted in the instrumentation area located in the rear compartment of the RTX2300 Smart ATE.

The BLE tester module can perform parametric test of carrier frequency offset, transmit output power, packet error rate and receiver sensitivity. The tester supports Bluetooth versions: 4.0, 4.1, 4.2 & 5.0. It furthermore supports all generally available BLE chipsets.

The RTX2300 has an integrated HCI interface with support for RTX's own driver but also drivers of various Bluetooth chip manufacturers. This functionality enables users to support both standard HCI commands as well as vendor-specific commands.



Extract of the Windows User Interface

TECHNICAL SPECIFICATIONS

SIGNAL GENERATOR	SPECIFICATIONS
FREQUENCY RANGE	2402 MHz to 2480 MHz
FREQUENCY ACCURACY	+/- 1.0 ppm
AGING	<0.5 ppm/year at 35°C
OUTPUT LEVEL	-100 dBm to -40 dBm
RESOLUTION	0.5 dB
LEVEL ERROR	+/- 1.5 dB
MODULATION	GFSK
ANALYSER	SPECIFICATIONS
FREQUENCY RANGE	Same as signal generator
LEVEL METER (NTP) RANGE	-50 dBm to +10 dBm
LEVEL METER (NTP) RESOLUTION	0.1 dB
ACCURACY FOR NTP	+/- 1.0 dB
CONNECTIONS	SPECIFICATIONS
RF IN/OUT	SMA (50 ohm)

ORDERING DETAILS

RTX NO.	ADD-ON MODULE	DESCRIPTION
95203211	Bluetooth Low-Energy RF tester	Bluetooth Low-Energy RF tester add-on module