Bluetooth Test Set Now has Option to Provide Radio Layer Testing Compliant to the Newly Adopted Bluetooth Core Specification 4.0

Anritsu Company introduces a Bluetooth low energy testing option that allows designers and manufacturers of Bluetooth products to conduct radio layer testing that is in compliance with the newly adopted Bluetooth Core Specification 4.0.

With the option, engineers can use the MT8852B to complete a test script covering Bluetooth Basic Rate, Enhanced Data Rate (EDR) and low energy measurements in The new Bluetooth low energy measurement option adds six low energy test cases to the base MT8852B test set. These new test cases can be run as part of a test script to simplify creation of test programs and reduce test times.

Bluetooth low energy measurements are performed directly on the MT8852B which controls the DUT using defined HCI or 2-wire control commands. For development applications, the MT8852B low energy measurement option is supplied with a PC application that displays low energy reference test packets in graphical format, as well as providing clear pass/fail status for all supported measurements against the specified limits. This facilitates the identification of the causes of any device failure during the critical design and development stages.

Anritsu developed the option based upon its active involvement in the Bluetooth SIG. Anritsu representatives have been instrumental in the development of the radio layer test specification for the new standard. The low energy option was developed by working with leading Bluetooth chip developers, who used the MT8852B for their silicon design and development.

Bluetooth low energy is ideal for applications that require occasional data transfer from devices that run for over a year from a single button cell battery. Typical applications include sports and fitness devices such as heart rate monitors, as well as medical products such as blood glucose meters and industrial sensors.

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