

# BLE Data Length Extension Option MT8852B-034



Bluetooth Test Set  
MT8852B

## Bluetooth Smart and Bluetooth Smart Ready Applications

Bluetooth® Smart and Bluetooth® Smart Ready now plays an increasingly prominent and important role in our lives.

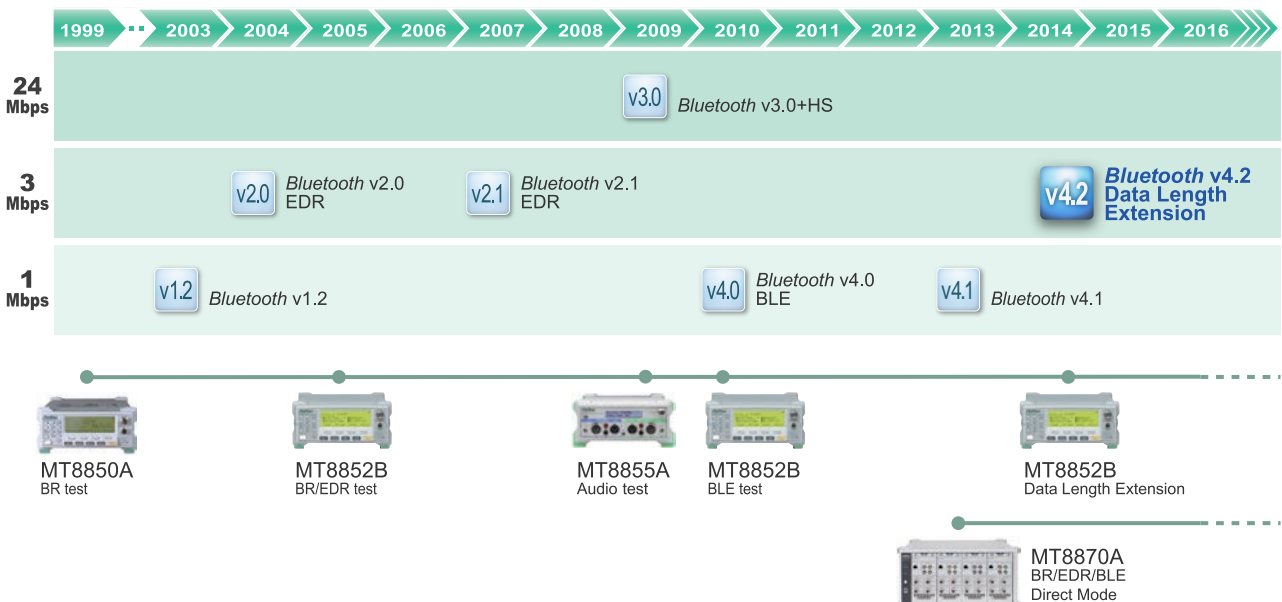
- Sports and fitness
- General health and wellbeing
- Automotive
- Remote displays – (watch, custom panels)
- Home and entertainment
- Remote controlled lighting
- Office PC and phone applications



## Anritsu Contribution to Bluetooth Technology

Anritsu has been at the forefront of developments in Bluetooth technology since 1999. We are an Associate Member of the Bluetooth Special Interest Group (Bluetooth SIG) and have been influential in the development of the specification. We produce a range of Bluetooth test equipment for Basic Rate (BR), Enhanced Data Rate (EDR), and Bluetooth low energy (BLE) products. The MT8852B is a Bluetooth test set used to verify that devices using Bluetooth technology comply with the RF Test Specification.

### Standard Roadmap



## MT8852B Supported *Bluetooth* v4.2 Test Cases

### Bluetooth Test Specification - Bluetooth Low Energy RF PHY

#### Transmitter Tests (TRM-LE)

- TP/TRM-LE/CA/BV-01(02)-C (Output power)
- TP/TRM-LE/CA/BV-05-C (Modulation Characteristics)
- TP/TRM-LE/CA/BV-06(07)-C  
(Carrier frequency offset and drift)

#### Receiver Tests (RCV-LE)

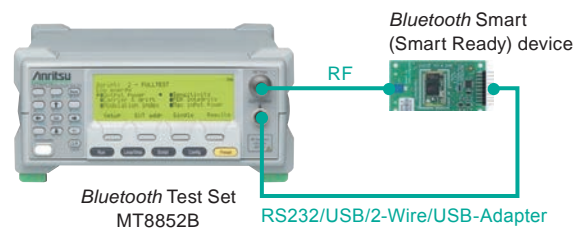
- TP/RCV-LE/CA/BV-01(02)-C (Receiver sensitivity)
- TP/RCV-LE/CA/BV-03-C  
(C/I and Receiver Selectivity Performance)\*
- TP/RCV-LE/CA/BV-04-C (Blocking Performance)\*
- TP/RCV-LE/CA/BV-05-C (Intermodulation Performance)\*
- TP/RCV-LE/CA/BV-06-C (Maximum input signal level)
- TP/RCV-LE/CA/BV-07-C (PER Report Integrity)

\*: Requires additional test instruments

## Bluetooth Smart and Smart Ready Testing on the MT8852B

A test instrument can configure a *Bluetooth* Smart and Smart Ready device to transmit and receive test packets.

Using the MT8852B, the RF performance of a *Bluetooth* Smart device can be tested in under 5 seconds using a high speed test application such as Anritsu CombiTest supplied with the product.



## Ordering Information

### Recommended Configurations

*Bluetooth* Measurement (For BR, EDR and BLE)

Model/Order No.	Descriptions
MT8852B-042	<i>Bluetooth</i> Test Set with EDR and no Audio
MT8852B-027	<i>Bluetooth</i> Low Energy Measurements (Retrofit: MT8852B-327)
MT8852B-034	BLE Data Length Extension (Retrofit: MT8852B-334)

*Bluetooth* Low Energy Measurement (For BLE)

Model/Order No.	Descriptions
MT8852B-043	MT8852B with <i>Bluetooth</i> Low Energy Measurements Only (MT8852B and MT8852B-027)
MT8852B-034	BLE Data Length Extension (Retrofit: MT8852B-334)

### Selection Guide

Model/Order No.	BR	EDR	Audio	BLE	Data Length Extension
MT8852B	✓	✓	✓	MT8852B-027	MT8852B-034
MT8852B-040	✓	—	—	MT8852B-027	MT8852B-034
MT8852B-041	✓	—	✓	MT8852B-027	MT8852B-034
MT8852B-042	✓	✓	—	MT8852B-027	MT8852B-034
MT8852B-043	—	—	—	✓	MT8852B-034

Note : MT8852B-034 requires MT8852B-043 or MT8852B-027

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