MT8815B
Radio Communication Analyzer
30 MHz to 2.7 GHz
All in 1

Supports Multi-Communication Systems

The MT8815B Radio Communication Analyzer platform covers a frequency range of 30 MHz to 2.7 GHz. When the dedicated optional measurement software and hardware is installed, the major Tx and Rx characteristics of W-CDMA/HSPA/HSPA Evolution, GSM/GPRS/EGPRS, CDMA2000 1X/1xEV-DO Rev. A, PHS/Advanced PHS, and TD-SCDMA/HSPA terminals can be measured using a single MT8815B unit.

Advanced Digital Signal Processing and Batch Measurement

Manufacturing and inspection test times have been dramatically cut by incorporating advanced DSP and parallel-measurement technologies. Furthermore, several measurement items can be selected freely for batch measurement, and the number of measurements for each measurement item can be configured separately. The one-touch operation supports easy and quick measurement of Tx and Rx characteristics, including transmit frequency, modulation accuracy, transmit power, spectrum emission mask, adjacent channel leakage power ratio, occupied bandwidth, and BER.

High-accuracy Tests at Repair and Maintenance

The MT8815B is a compact high-accuracy, high-speed tester for single RF measurements made at manufacturing, repair, and maintenance of mobile terminals. It is the ideal solution for service points (sales offices) and repair centers when used in combination with the MT8510B Service Tester.

Manufacturer Test Suite

Manufacturer Test Suite is the ideal solution for making RF adjustments and RF parametric tests on mobile terminal production lines. The basic version consists of signal generator and signal analyzer functions without call processing, supporting RF adjustments and RF parametric tests in the test mode (mobile controlled by external PC). Installing the call processing software option supports RF parametric tests while controlling the mobile terminal at call processing. Adding the adjustment software option shortens the time required for RF adjustment by using the chipset adjustment function.

CDMA2000® is a registered trademark of the Telecommunications Industry Association (TIA-USA).

MT8815B
Radio Communication Analyzer
30 MHz to 2.7 GHz
Supports Multi-Communication Systems

All-in-one Support for Basic Tx and Rx Measurements of W-CDMA/HSPA/HSPA Evolution, GSM/GPRS/EGPRS, CDMA2000 1X/1xEV-DO Rev. A, PHS/Advanced PHS, and TD-SCDMA/HSPA Systems

W-CDMA Measurement
3GPP-compliant measurements of Tx and Rx characteristics of 3G W-CDMA terminals.

Transmitter Measurement
The transmit power, frequency error, occupied bandwidth, spectrum emission mask, adjacent channel leakage power ratio, modulation accuracy, and peak code domain error can be measured.

Receiver Measurement
The bit error rate can be measured using the 3GPP-specified loopback test mode.
In addition, feeding the demodulated data and clock signals from the W-CDMA terminal directly to the MT8815B supports bit error rate measurement. Both PN9 and PN15 can be set as the downlink RF signal data pattern.

HSDPA Measurement
3GPP-compliant measurements of Tx and Rx characteristics of 3.5G HSDPA terminals.

Transmitter Measurement
The transmit power, spectrum emission mask and adjacent channel leakage power ratio of the HS-DPCCH transmission slot are measured. At measurement in the time domain, the power step at the HS-DPCCH slot boundary, modulation, and code domain power are measured.

Receiver Measurement
The HSDPA throughput can be measured by counting the number of ACK blocks from the HSDPA terminal.

* Requires MT8815B-001, MX882000C, and MX882005xC

Refer to the MX882000C catalog for details.
**HSUPA Measurement**

3GPP-compliant measurements of Tx and Rx characteristics of 3.5G HSUPA terminals.

**Transmitter Measurement**

The transmit power, spectrum emission mask, and adjacent channel leakage power ratio at HS-DPCCH and E-DCH transmission are measured.

**Throughput Monitor**

The E-DCH throughput is calculated from the E-TFCI notification from the HSUPA terminals. In addition, the E-TFCI statistics (average, median, maximum and minimum) are displayed.

*Requires MT8815B-001, MX882000C, MX882000C-011, MX882000C-021, and MX882050C

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**HSPA Evolution Measurement**

3GPP-compliant measurements of Tx and Rx characteristics, throughput and CQI of enhanced 3.5G HSPA Evolution terminals. FRC H-Set 8 (64QAM) and HS-DSCH Category 14 (21 Mbps class) test signals can be transmitted for HSPA Evolution throughput measurements.

**Transmitter Measurement**

At measurement in the time domain, mobile terminal relative code domain power accuracy for HS-DPCCH and E-DCH with 16QAM are measured.

**Receiver Measurement**

The HSDPA throughput with 64QAM can be measured by counting the number of ACK blocks from the terminal.

*Requires MT8815B-001, MX882000C, MX882000C-011, MX882000C-021, MX882000C-031, and MX882050C

For terminal connectivity, contact your Anritsu sales representative.

Refer to the MX882000C catalog for details.
**GSM/GPRS Measurement**

Measures Tx and Rx characteristics of GSM/GPRS terminals — world’s most common digital mobile standard.

**Transmitter Measurement**

At GSM/GPRS measurement, the transmit frequency, phase error (RMS and peak), transmit power, power versus time (template mask), and output RF spectrum can be measured.

**Receiver Measurement**

The uplink RF signal, which is looped back from GSM terminal, is demodulated by controlling the GSM terminal in the loopback condition to measure the frame error, bit error, and CRC error rates. And FAST BER measurement is supported. The block error rate can be measured with the BLER and Test Mode B connection by controlling the GPRS terminal in the loopback condition. The above receiver measurements can be performed in parallel with transmitter measurements.

* Requires MT8815B-002 and MX882001C

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**EGPRS Measurement**

Measures Tx and Rx characteristics of enhanced GPRS system (EGPRS) terminals.

**Transmitter Measurement**

At EGPRS measurement, the transmit frequency, EVM (RMS and peak), origin offset, transmit power, power versus time (template mask), and output RF spectrum can be measured.

**Receiver Measurement**

The uplink RF signal, which is looped back from EGPRS terminal, is demodulated by controlling the EGPRS terminal in the loopback condition to measure the block error or bit error. The above receiver measurements can be performed in parallel with transmitter measurements.

* Requires MT8815B-002, MX882001C, and MX882001C-011

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Refer to the MX882001C catalog for details.
CDMA2000 1X Measurement

3GPP2-compliant measurements of Tx and Rx characteristics of 3G CDMA2000 1X terminals.

Transmitter Measurement

The transmit power, modulation analysis, occupied bandwidth, code domain power, spurious emission, and access probe power can be measured.

Receiver Measurement

The Frame Error Rate (FER) and Pass/Fail evaluation can be performed in SO2, SO9, SO55 and SO32 (TDSO) to display the FER, error frame count, Tx frame count, confidence level, and Pass/Fail results.

CDMA2000 1xEV-DO Rev. 0/Rev. A Measurement

3GPP2-compliant measurements of Tx and Rx characteristics of 3.5G 1xEV-DO Rev. 0/Rev. A terminals.

Measurement Software and Protocol Revision

<table>
<thead>
<tr>
<th>Model</th>
<th>Protocol Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>MX882006C</td>
<td>IS-856-0 (1xEV-DO Rev. 0)</td>
</tr>
<tr>
<td>MX882006C-002</td>
<td>IS-856-0 (1xEV-DO Rev. 0)</td>
</tr>
<tr>
<td>MX882006C-011</td>
<td>IS-856-A (1xEV-DO Rev. A)</td>
</tr>
</tbody>
</table>

Transmitter Measurement

The transmit power, modulation analysis, occupied bandwidth, code domain power, spurious emission, and access probe power can be measured.

Receiver Measurement

PER (Packet Error Rate) measurement and Pass/Fail evaluation can be performed in FTAP to display the PER, error packet count, transmission packet count, confidence level, and Pass/Fail results.

* Requires MT8815B-003 and MX882002C

* Requires MT8815B-003, MT8815B-005, MX882002C, and MX882006C

* Installing the MT8815B-003, MT8815B-005, MX882002C, MX882006C, and MX882006C-011 can measure of Tx and Rx characteristics of 1xEV-DO Rev. A terminal.

Refer to the MX882002C/MX882006C catalog for details.
**TD-SCDMA Measurement**

3GPP-compliant measurements of the main Tx and Rx characteristics of 3G TD-SCDMA (1.28 Mcps TDD) and 3.5G HSUPA/HSUPA mobile terminals is supported.

**Transmitter and Receiver Measurement**

3GPP-compliant measurement of TD-SCDMA with call-processing functions, including Tx/Rx items such as transmit power, power template, frequency error, occupied bandwidth, spectrum emission mask, adjacent channel leakage power, modulation accuracy, peak code domain error, open loop power control, closed loop power control, out-of-sync handling, BER, and BLER, is supported. In addition, one-touch setting of main Tx/Rx test items and closed loop power control offer easy configuration of automated 3GPP-compliant test systems.

**Power Template**

![Power Template](image1.png)

**Adjacent Channel Power**

![Adjacent Channel Power](image2.png)

**BER (8PSK)**

![BER (8PSK)](image3.png)

**TD-SCDMA HSDPA Measurement**

3GPP-compliant Throughput, and CQI measurements of TD-SCDMA HSDPA terminals are supported. The signals for Throughput measurement include RMC signals for all TD-SCDMA HS-DSCH categories as well as maximum category-15 data rates (2.8 Mbps).

**TD-SCDMA HSUPA Measurement**

3GPP-compliant Tx measurement and Performance test of TD-SCDMA HSUPA with call-processing are measured. The signals for Tx measurement include HSUPA RMC category 1 to 6 (2.23 Mbps UE class) terminals can be transmitted. And, HSUPA performance measurement is calculated the information about bit rate by detecting E-DCH TB (Transport Block size) Index include E-UCCH sent from the mobile terminal to MT8815B/MT8820B.

* Requires MT8815B-001, MT8815B-007, and MX882007C for TD-SCDMA measurements.
* Requires MT8815B-001, MT8815B-007, MX882007C, and MX882007C-011 for TD-SCDMA HSDPA measurements.
* Requires MT8815B-001, MT8815B-007, MX882007C, MX882007C-011, and MX882007C-021 for TD-SCDMA HSUPA measurements.

* For terminal connectivity, contact your Anritsu sales representative.

Refer to the MX882007C catalog for details.

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**PHS/Advanced PHS Measurement**

Measures Tx and Rx characteristics of PHS terminals/Advanced PHS terminals and base stations in compliance with ARIB RCR-STD-28 edition 5.0 supporting π/4DQPSK, 8PSK, and 16QAM modulation methods.

**Transmitter Measurement**

The transmit frequency, modulation accuracy, transmit power, transmission rate, occupied bandwidth, adjacent channel power of PHS terminals/Advanced PHS terminals and base stations are measured simultaneously.

![Image of Transmitter Measurement](image4.png)

**Receiver Measurement**

The bit error rate can be measured on receipt of demodulation data and clocks output from a terminal/base station by controlling the terminal/base station with an external PC. This measurement can be performed in parallel with transmitter measurements.

![Image of Receiver Measurement](image5.png)

* Requires MT8815B-002, and MX882005C for PHS measurements.
* Requires MT8815B-002, MX882005C, and MX882005C-011 for Advanced PHS measurements.

Refer to the MX882005C catalog for details.
Supports All Function Tests

Real-time Voice Encoding and Decoding

Voice tests with a handset are supported by the real-time voice encoding and decoding function of the W-CDMA (GSM, CDMA2000 1X, TD-SCDMA) Measurement Software. In addition, the call Tx and Rx audio can be measured using the audio measurement function.

End-to-End Communications Test

This supports the end-to-end communications test between a handset connected to the RJ11 connector on the MT8815B and a mobile terminal.

Audio Transmitter and Receiver Measurement

The tone signal from the MT8815B AF Output connector is supplied to the microphone of the mobile terminal and the audio transmitter characteristics of the mobile terminal can be measured using the MT8815B to demodulate the uplink RF signal and measure the level, frequency, and distortion of the demodulated tone signal.

Packet Communication Data Transfer Test

End-to-End Data Transfer Test

Using the External Packet Data Software option supports end-to-end data transfer between a mobile terminal (W-CDMA, HSDPA, GPRS, CDMA2000 1X, CDMA2000 1xEV-DO Rev. 0) and an application server connected to the MT8815B, or a PC client connected to the terminal, and various application tests.

Audio Transmitter and Receiver Measurement supports W-CDMA, GSM, TD-SCDMA
Audio Transmitter and Receiver Measurement does not support CDMA2000 1X

* Requires MT8815B-011, MX882000C-001, MX882001C-001, MX882002C-001, MX882007C-001

* Any of MX882001C-002, MX882002C-002, MX882006C-002, MX882050C-002, MX882050C-011, or MX882051C-002 separately required

Refer to the MX882000C, MX882001C, MX882002C and MX882007C catalog for details.
Video Phone Test
End-to-End Video Phone Test

The MT8815B supports two-ways tests between W-CDMA (TD-SCDMA) terminals with video functions via the MT8815B Ethernet port. Two-way video phone tests require two MT8815B units.

Sample MT8815B connection
Read the MX882000C and MX882007C catalog for details

CDMA2000 1X/1xEV-DO (Rev. 0) Synchronous Function

CDMA2000 1X/1xEV-DO (Rev. 0) Hybrid Terminal Function Test

By using the MX882002C and MX882006C with two MT8815B units, the CDMA2000 1X and 1xEV-DO (Rev. 0) forward link signals can be output with synchronized system times, supporting function tests of both CDMA2000 1X and 1xEV-DO (Rev. 0) mobile terminals.

*: This function cannot be used when MX882000C W-CDMA Measurement Software or MX882007C TD-SCDMA Measurement Software is loaded. Please perform unload, when MX882000C or MX882007C is loaded.

*: Installing the MX882006C-011 option supports the mobile terminal connection test with ETAP only.

Mobile Terminal Report Monitor

The mobile terminal status can be displayed as a periodic report sent by the mobile terminal to the MT8815B. The downlink RF signal level at the mobile receiver can be checked with the Rx level reported from the mobile terminal.

Sample MT8815B connection: When MT8815B is two sets
Refer to the MX882002C/MX882006C catalog for details.

Supports Multi-System Call Processing Tests
Call Processing Tests

Call Processing
Connection Test

Various connection tests, such as registration, origination, termination, handover, terminal disconnect, and network disconnect, can be tested using the call processing functionality. Moreover, voice from the mobile terminal can be echoed back while calling to test simple voice communications.
Perfect RF Adjustment and Test Solution for Mobile Production Lines

Excellent Cost-performance Solution

Manufacturer Test Suite

Basic Configuration

Call processing functions are not required for RF adjustments, and are only rarely required for RF parametric tests. Consequently, the basic configuration of Manufacturer Test Suite offers signal generator and signal analyzer functions without call processing, and is ideal for making RF adjustments and RF parametric tests in the test mode (mobile controlled by external PC).

W-CDMA
- MT8815B: Radio Communication Analyzer
- MT8815B-031: W-CDMA Measurement Hardware Lite
- MX882030C: W-CDMA Measurement Software Lite

GSM
- MT8815B: Radio Communication Analyzer
- MT8815B-032: TDMA Measurement Hardware Lite
- MX882031C: GSM Measurement Software Lite

RF Adjustment

The basic configuration with signal generator and signal analyzer functions supports RF adjustments using traditional adjustment methods. Installing the adjustment software option cuts the RF adjustment time because the chipset adjustment function is used.

RF Parametric Test

The RF parametric tests control the mobile terminal in the test mode or with call processing. The basic configuration performs RF parametric tests in the test mode but installing the call processing software option adds support for RF parametric tests with call processing.

Example of Manufacturer Test Suite Options Stack (W-CDMA)

- MX882030C-040: W-CDMA High-speed Adjustment
- MX882030C-001: W-CDMA Voice Codec
- MX882030C-011: HSDPA Measurement Software
- MX882030C-050: W-CDMA Call Processing Software
- MX882030C: W-CDMA Measurement Software Lite
- MT8815B-031: W-CDMA Measurement Hardware Lite
- MT8815B: Main frame

Example of Manufacturer Test Suite Options Stack

* Installing the option supports W-CDMA/HSDPA/HSUPA and GSM/GPRS/EGPRS in Manufacturer Test Suite.
* Manufacturer Test Suite does not support real-time processing functions, such as external packet data and video phone tests.
* MX882030C-001 W-CDMA Voice Codec function requires MT8815B-011.
High-accuracy Tests at Repair and Maintenance

Compact, High-accuracy, High-speed Tester

The MT8815B is a compact high-accuracy, high-speed tester for single RF measurements made at manufacturing, repair, and maintenance of mobile terminals. It is the ideal solution for service points (sales offices) and repair centers when used in combination with the MT8510B Service Tester, because the MT8510B offers simple No/No-Go troubleshooting while the MT8815B diagnoses faults in detail using additional tests and higher-accuracy measurements.
MT8815B Panel Layout

1. **Preset Key**: Starts initializing
2. **Remote Lamp**: Lit while in remote control mode
3. **Local Key**: Switches remote control to manual control
4. **Copy Key**: Copies screen
5. **Power Switch**: Switches mode between power-on and standby
6. **Memory Card Slot**: For saving/recalling measurement parameters and update software to/from PCMCIA-compliant PC-card-type memory card (Type II)
7. **Handset Connector**: For testing end-to-end voice communication between MT8815B and mobile terminal using handset
8. **AF Input/Output Connector**: For audio measurement
9. **AUX Output Connector**: Outputs RF signal for RF testing mobile terminal (SMA connector)
10. **Main Input/Output Connector**: Outputs RF signal for RF testing mobile terminal (N-type connector)
11. **Functions**: Displays function menu on screen
12. **Function Key**: Executes function menu displayed on right of screen
13. **Page Switch Key**: Switches function menu displayed on right of screen
14. **Screen Switch Key**: Switches screen
15. **Screen Control**: Switches display window for manual operation
16. **Measure**: Starts and stops measurement
17. **Channel/Level**: Sets channel, frequency, and level
18. **Call**: Connects and disconnects call
19. **Utility**: Saves and recalls parameters, and displays configuration
20. **Cursor/Data Entry**: Moves cursor and sets parameters
21. **Trigger Output Connector**: Outputs event-timing signal to external equipment (BNC connector)
22. **Trigger Input Connector**: Inputs trigger signal from external equipment to measure uplink signal from mobile equipment by synchronizing (BNC connector)
23 **GPIB Connector**: For remote control of MT8815B
24 **Reference Signal Input Connector**: Inputs 10/13 MHz reference signal (BNC connector)
25 **Reference Signal Output Connector**: Outputs 10 MHz reference signal of MT8815B (BNC connector)
26 **Frequency Adjust**: Adjusts frequency of internal reference oscillator
27 **10BASE-T Port**: Interface for packet and W-CDMA video communication test
28 **Call Processing Input/Output Port**: Interface for BER measurement and synchronization
29 **RS-232C Port**: Interface for packet communication test
30 **Grounding Terminal**: Connected to ground potential
31 **Main Power Switch**: Switches main power on/off. The front-panel power switch enters the standby (Stby) mode when the main power is switched on.
32 **Serial port**: Interface for remote control via RS-232C (D-Sub 9 pin connector)
### Specifications

**MT8815B Radio Communication Analyzer**

| General | **Frequency range:** 30 MHz to 2700 MHz  
**Max. input level:** +35 dBm (Main)  
**Main I/O**  
**Impedance:** 50 Ω  
**VSWR:** ≤1.2 (<1.6 GHz), ≤1.25 (1.6 GHz to 2.2 GHz), ≤1.3 (>2.2 GHz)  
**Connector:** N type  
**AUX output**  
**Impedance:** 50 Ω  
**VSWR:** ≤1.3 (at SG Output level: ≤–10 dBm)  
**Connector:** SMA type  
**Reference oscillator**  
**Frequency:** 10 MHz  
**Level:** TTL  
**Startup characteristics:** ≤±5 x 10^{-8} (at 10 min after startup referenced to frequency 24 h after startup)  
**Aging rate:** ≤±2 x 10^{-9}/day, ≤±1 x 10^{-7}/year (referenced to frequency 24 h after startup)  
**Temperature characteristics:** ≤±5 x 10^{-8}  
**Connector:** BNC type  
**External reference input**  
**Frequency:** 10 MHz or 13 MHz (±1 ppm)  
**Level:** ≥0 dBm  
**Impedance:** 50 Ω  
**Connector:** BNC type |
|---|---|
| **RF Signal Generator** | **Frequency**  
**Frequency range:** 30 MHz to 2700 MHz (setting range: 0.4 MHz to 2700 MHz)  
**Setting resolution:** 1 Hz  
**Accuracy:** Due to reference oscillator accuracy  
**Output level**  
**Level range:** –140 to –10 dBm (Main), –130 to 0 dBm (AUX)  
**Resolution:** 0.1 dB  
**Accuracy:** ±1.0 dB (–120 to –10 dBm, Main, after calibration), ±1.0 dB (–110 to 0 dBm, AUX, after calibration)  
**Signal purity**  
Non-harmonic spurious: ≤–50 dBc  
Harmonics: ≤–25 dBc  
**Uninterrupted level variation**  
**Variable range:** 0 to –30 dB  
**Setting resolution:** 0.1 dB |
| **Others** | **Display**  
Color 8.4-inch TFT LCD, 640 x 480 dots  
**External control**  
GPIB: Control from external host with main unit as device (excluding some functions such as power-on), No external device control  
**Interface functions:** SH1, AH1, T6, L4, SR1, RL1, PP0, DC1, DT1, C0, E2, RS-232C |
| **Power Supply** | 100 to 120 Vac/200 to 240 Vac (–15/+15%, 250 V max.), 47.5 Hz to 63 Hz, ≤300 VA (with all Options) |
| **Dimensions and Mass** | 426 (W) x 221.5 (H) x 351 (D) mm (excluding projections), ≤17.8 kg (with all Options) |
| **Environmental Conditions** | Operating temperature and humidity: 0˚ to +50˚C, ≤95% (no condensation)  
Storage temperature and humidity: –20˚ to +60˚C, ≤95% (no condensation)  
**EMC**  
EN61326-1, EN61000-3-2  
**LVD**  
EN61010-1 |
## Ordering Information

Please specify the model/order number, name and quantity when ordering.

The names listed in the chart below are Order Names. The actual name of the item may differ from the Order Name.

### Model/Order No. | Name
--- | ---
MT8815B | Main frame
MT8815B-001 | Radio Communication Analyzer
MT8815B-002 | Standard accessories
MT8815B-003 | Power Cord, 2.6 m: 1 pc
Z095A | ANR-CFX40256 (CF card, 256 MB): 1 pc
CA68AD | PC Card Adapter: 1 pc
W2778AE | MT8815B/MT8820B Operation Manual (CD-ROM): 1 copy

### Options

| Model/Order No. | Name |
--- | --- |
MT8815B-005 | W-CDMA Measurement Hardware
MT8815B-006 | TDMA Measurement Hardware
MT8815B-007 | CDMA2000 Measurement Hardware
MT8815B-008 | 1xEV-DO Measurement Hardware
MT8815B-009 | Audio Board
MT8815B-031 | W-CDMA Measurement Hardware Lite
MT8815B-032 | TDMA Measurement Hardware Lite
MT8815B-043 | CDMA2000 Time Offset Calibration (for GPS SG)

### Softwares

| Model/Order No. | Name |
--- | --- |
MX88200C | W-CDMA Measurement Software
MX88200C-001 | W-CDMA Voice Codec
MX88200C-002 | HSUPA Codec
MX88200C-012 | HSDPA Codec
MX88200C-013 | HSDPA High Data Rate
MX88200C-021 | HSUPA Measurement Software
MX88200C-022 | CDMA2000 Measurement Software
MX88200C-023 | External Packet Data (for GPS SG)
MX88200C-024 | CDMA2000 Voice Codec
MX88200C-025 | CDMA2000 External Packet Data
MX88200C-026 | CDMA2000 Measurement Software
MX88200C-027 | External Packet Data
MX88200C-028 | External Packet Data
MX88200C-029 | External Packet Data
MX88200C-030 | Measurement Software

### Application parts

| Model/Order No. | Name |
--- | --- |
P0019 | Test USIM001
P003B | W-CDMA/GSM Test USIM
A0013 | Handset
J1249 | CDMA2000 Cable
J1267 | CDMA2000 Cross Cable
M6110B | I/O Adapter (for call processing I/O)
B0332 | Joint Plate (4 pieces)
B0333 | Rack Mount Kit
B054 | Carrying Case (for battery pack and batteries)
B054A | Carrying Case (for battery pack and batteries)
B0576 | GPS indoor cable
B0578 | GPS indoor cable
B056 | GPS outdoor cable, 2 m

### Warranty

- Extended Two Year Warranty Service
- Extended Three Year Warranty Service
- Extended Five Year Warranty Service

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1. The MT8815B-004 hardware supports IS-856-0 (1xEV-DO Rev. 0) RF measurements but does not support IS-856-A (1xEV-DO Rev. A) measurements. The MT8815B-005 hardware supports both IS-856-C (1xEV-DO Rev. 0) and IS-856-A (1xEV-DO Rev. A) RF measurements.
2. For terminal connectivity, contact your Anritsu sales representative.
3. These options preinstall the integrity protection function.
4. This Test USIM can be used on only W-CDMA mode. When the combination of GSM or TD-SCDMA is necessary, P003B can be applied.
5. Parallelphone™ is a registered trademark of Anritsu Corporation.
6. CompactFlash™ is a registered trademark of SanDisk Corporation in the United States and is licensed to CFA (Compact Flash Association).

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**Product Brochure** MT8815B 15