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Product Brochure

Anritsu

ME7873L

LTE RF Conformance Test System



Importance of Conformance Tests

To meet users' needs, mobile terminals are evolving from GSM (2G) to W-CDMA/CDMA2000 (3G) to LTE (3.9G).
The 3GPP standards for manufacturing and conformance tests support this progress.

Network problems caused by non-compliant terminals at new service rollout are not permissible. 3G usage was limited in the early days due to limited service areas but now 3G is the global mainstream due to user demand and technology innovation.
As a result, conformance tests have become much more important in assuring mobile terminals meet the standards.

The ME7873L LTE RF Conformance Test System supports the LTE frequency bands to be used worldwide and users can choose the FDD/TDD test functions matching their test terminals.
In addition, the ME7873L can be tailored to the required test environment, matching customers' RF TRx, performance, and RRM requirements, as well as minimizing their investment costs.



ME7873L

LTE RF Conformance Test System

Conformance Test Function

Test Function Options

- WI-080 Tool Kit
- WI-090 Tool Kit
- WI-139 Tool Kit
- WI-150 Tool Kit
- WI-151 Tool Kit
- WI-162 Tool Kit
- WI-164 Tool Kit
- WI-177 Tool Kit
- WI-181 Tool Kit
- WI-200 Tool Kit
- WI-201 Tool Kit
- WI-202 Tool Kit
- WI-203 Tool Kit
- TRx Basic Measurement
- TRx Full Measurement
- Performance Measurement
- 4×2 MIMO Measurement
- RRM Measurement
- LTE to/from UMTS InterRAT
- LTE to CDMA2000 InterRAT
- LTE to/from TD-SCDMA InterRAT
- WI-069 Tool Kit
- WI-070 Tool Kit
- WI-113 Tool Kit
- WI-129 Tool Kit
- WI-124 Tool Kit

Operating Band

Operating Band Options

FDD Band	TDD Band
Band1	Band33
Band2	Band34
Band3	Band35
Band4	Band36
Band5	Band37
Band7	Band38
Band8	Band39
Band9	Band40
Band10	Band41
Band11	
Band12	
Band13	
Band14	
Band17	
Band18	
Band19	
Band20	
Band21	
Band24	
Band25	
Band26	
Band27	
Band28	
Band29	
Band30	

ME7873L



Non-CT Function

Test Function Options

- R&TTE Measurement
- Band2 Supplementary
- Band4 Supplementary
- Band5 Supplementary
- Band12 Supplementary
- Band13 Supplementary
- Band17 Supplementary
- Band30 Supplementary
- SV-LTE Measurement

Standard Functions

- Temperature Chamber Control
- DC Power Supply Control

World First LTE RF Conformance Test System Achieves 80% GCF Test Platform Approval

Anritsu's ME7873L received this GCF validation milestone for the initial group of RF test cases at the GCF meeting held in October 2010 making the ME7873L the world's first test platform for RF Conformance Tests to offer all of the test cases included in this GCF milestone and approved by GCF.
Additionally, these GCF validated test cases include covering the RRM test-marking another world first.

Industry-first Test Case Validation

Standards-compliant terminals and test platforms are key to acquiring GCF/PTCRB certification. When requested, Anritsu provides in-house validated Test Cases before acquiring certification.

Supports Global Mobile Terminals

The ME7873L is fully 3GPP-compliant and supports all standards-compliant frequency bands.
It can test almost all mobiles used worldwide.

Test System with Stable Measurement

Auto-correction before measurement eliminates drift due to temperature changes, greatly improving measurement stability.

Measurement Functions for Efficient R&D

The easy-to-use GUI supports a search mode for Rx and performance tests, automatic extraction and retry for failed tests, SS log viewer, and simple parameter changes for efficient R&D and approval tests.

RF/RRM Conformance Test System Supporting Most and First GCF*1/PTCRB*2 Approved TCs*3

Supporting Most and First GCF/PTCRB Approved Test Cases

This GCF/PTCRB-compatible test platform targets the most and first Test Cases approved at quarterly GCF/PTCRB meetings.
It uses the MD8430A Signalling Tester as a LTE base station simulator, and is configured from various test instruments and dedicated software. It supports RF/RRM tests while communicating with LTE mobile terminals.

ME7873L LTE RF Conformance Test System

This system is for testing the RF TRx characteristics, performance requirements, and RRM performance of FDD/TDD LTE mobile terminals in compliance with the requirements of 3GPP TS 36.521-1 Chapter 6 (Transmitter Characteristics), Chapter 7 (Receiver Characteristics), Chapter 8 (Performance Requirement), Chapter 9 (Reporting of Channel State Information), Chapter 10 (MBMS Performance) and TS 36.521-3 RRM including LTE → GSM/UMTS/CDMA2000/TD-SCDMA Inter-RAT tests.*4, *5
TS 34.121-1 UMTS → LTE and TS 34.122 TD-SCDMA → LTE Inter-RAT tests are also supported.
Moreover, UMTS 3GPP TS 34.121-1 Rel-7/8 tests are supported.*5

Supports Mobile Terminal Carrier Acceptance Tests

This single, multi-purpose platform supports acceptance tests mainly for North American operators, as well as 3GPP RF/RRM conformance tests.

∗1: GCF (Global Certification Forum):
Certifies conformance to standards for mobile terminals and test systems. Composed mainly of operators, mobile terminal vendors and chipset vendors and performs certification for frequency bands used in Europe.
∗2: PTCRB (PCS Type Certification Review Board):
A similar test system certification organization to GCF composed mainly of N. American carriers and UE vendors and performing conformance certification for frequency bands used in N. America.
∗3: As of September, 2015.
∗4: RRM: Radio Resource Management
∗5: In principle, defined by GCF Work Item*6 and targeting measurement items certified by GCF/PTCRB.
(Contact our sales staff for timing of supported items and option configurations.)
∗6: Work Item:
Name of function test items selected by GCF for mobile terminal approval.

Supports Global Mobile Terminals

Worldwide Frequency Bands

Not only are GCF/PTCRB-approved Bands planned for use in Europe and North America fully supported, but the following bands defined by 3GPP are also supported too.
Unlisted bands can be supported by request.

E-UTRA Operating Band	UL Operating Band (MHz)	DL Operating Band (MHz)	Operation Area
1	1920 to 1980	2110 to 2170	Europe, Asia
2	1850 to 1910	1930 to 1990	North America
3	1710 to 1785	1805 to 1880	Europe, Asia
4	1710 to 1755	2110 to 2155	North America
5	824 to 849	869 to 894	North America, Asia
7	2500 to 2570	2620 to 2690	Europe
8	880 to 915	925 to 960	Europe, Asia
9	1749.9 to 1784.9	1844.9 to 1879.9	Japan
10	1710 to 1770	2110 to 2170	North America
11	1427.9 to 1447.9	1475.9 to 1495.9	Japan
12	698 to 716	728 to 746	North America
13	777 to 787	746 to 756	North America
14	788 to 798	758 to 768	North America
17	704 to 716	734 to 746	North America
18	815 to 830	860 to 875	Japan
19	830 to 845	875 to 890	Japan
20	832 to 862	791 to 821	Europe
21	1447.9 to 1462.9	1495.9 to 1510.9	Japan
24	1626.5 to 1660.5	1525 to 1559	North America
25	1850 to 1915	1930 to 1995	North America
26	814 to 849	859 to 894	North America, Asia
27	807 to 824	852 to 869	Latin America
28	703 to 748	758 to 803	Asia
29	N/A	717 to 728	North America
30	2305 to 2315	2350 to 2360	North America
33	1900 to 1920	1900 to 1920	TBD
34	2010 to 2025	2010 to 2025	TBD
35	1850 to 1910	1850 to 1910	North America
36	1930 to 1990	1930 to 1990	North America
37	1910 to 1930	1910 to 1930	North America
38	2570 to 2620	2570 to 2620	Asia
39	1880 to 1920	1880 to 1920	Asia
40	2300 to 2400	2300 to 2400	Asia
41	2496 to 2690	2496 to 2690	North America, Asia

Focus on Improving Test Efficiency, Measurement Stability and Reliability

Continuous Testing of Multiple Terminals

Since the standard system configuration has four RF interfaces, it can test up to four terminals continuously. Fully automated testing of multiple terminals is supported by DC power supply and serial control line auto-switching.

Control via Networks

The PC server in the rack can be operated remotely over a network. Measurement progress can be monitored remotely and measurement sequences can be created and edited, allowing tests to be run while working elsewhere.

Easy Control of External Devices

The system software has built-in functions for controlling the DC power supply* and temperature chamber* in the same way as selecting test items. Using these standard functions makes automation easy.

*: Users must provide the DC power supply and temperature chamber. Refer to the ordering information for recommended models.

R&TTE-compliant Test Items (option)

This option is fully compliant with the European ETSI-defined R&TTE RF TRx test items. Anritsu launched this European-test-house approved option ahead of market competitors.
Simple operation supports easy R&TTE-compliant tests like normal test items.

Improve Reliability using Correction Function

System measurement stability and reliability are improved by the following three calibration and correction methods:

1. Basic calibration at acceptance inspection
2. Auto-calibration at work start
3. Individual measurement correction

Individual measurement correction immediately before measurement eliminates temperature-related drift and greatly improves the reliability of measurements.
In addition, Anritsu engineers perform basic calibration when installing the system at acceptance inspection, eliminating the need for operators to perform this complex calibration and correction work.

Detailed Support System

An Anritsu Support Service contract keeps the system operating at peak performance, maximizing return on investment, minimizing downtime, and keeping work on schedule.

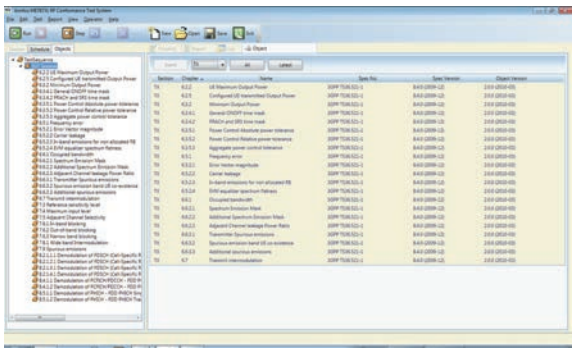
- Latest software updates matching the latest changes to the 3GPP standards
- Information on 3GPP trends, consultation and technical support for troubleshooting test problems
- Free hardware repair and maintenance with a back-up loan unit

Convenient Functions for Wide Range of Applications

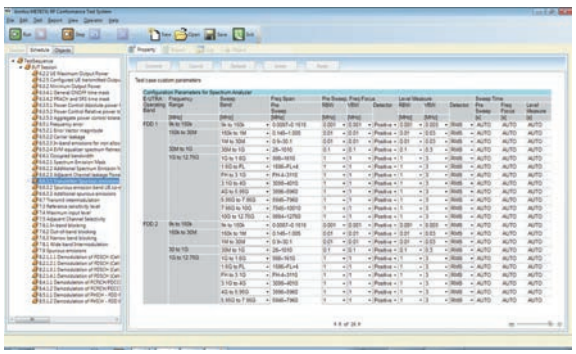
A Wide Range of Versatile Functions Supporting Every Step from R&D Through to Final Evaluation of LTE Mobile Terminals.

Easy Sequence Creation and Editing

The creation and editing procedure is as easy as selecting the test case to measure from the task pane (below) and clicking [Insert] to create the sequence. Select the created test case and double click [Schedule] at the screen bottom left to display detailed parameters. The measurement frequency and channel bandwidth can be changed here too.



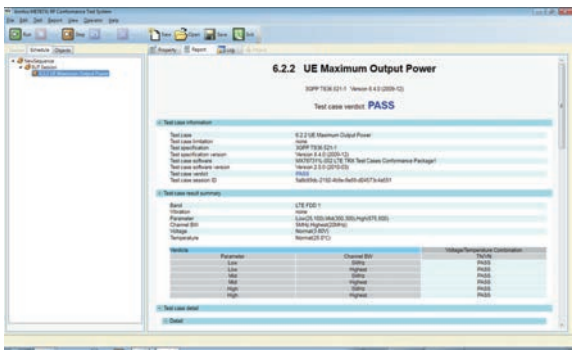
Sequence Creation Screen



Parameter Changing Screen

Easy-to-use Main Screen for Key Operations

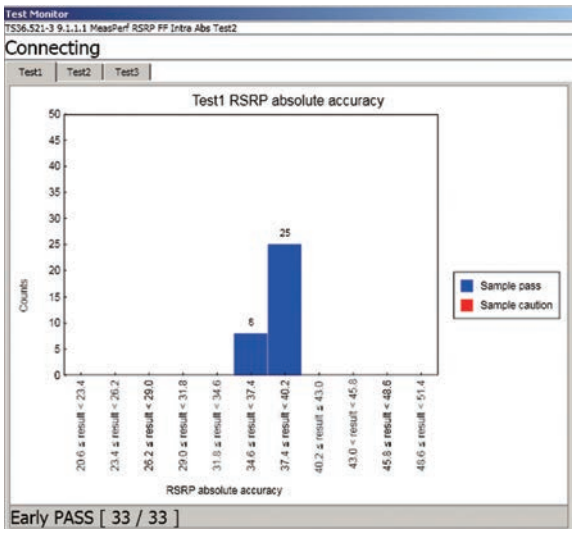
The screen toolbar icons for key operations are easy to understand. Test sequence items are displayed at top left and test results are displayed at screen center.



Measurement Results

At-a-glance Measurement Results Histogram

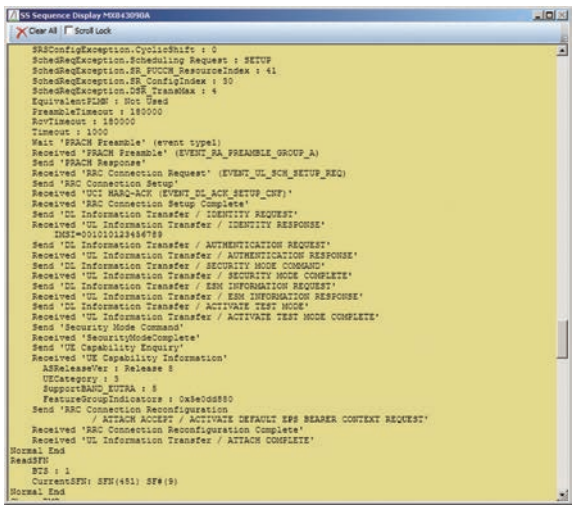
The RRM test has many test items for PASS/FAIL evaluations of multiple operations. The histogram display helps understand detailed mobile operation trends at-a-glance.



RRM Measurement Distribution

Check Measurement Progress

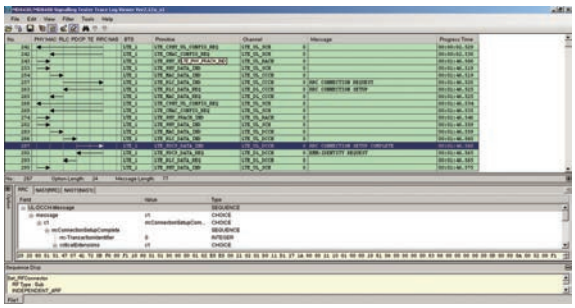
The current measurement progress is easily confirmed because the MD8430A Signalling Tester displays real-time logs during measurement. In addition, failed results are easily seen from the message exchanges between the tester and mobile sides, supporting easy problem troubleshooting.



Real-time SS Log Display

Measurement Log Analysis

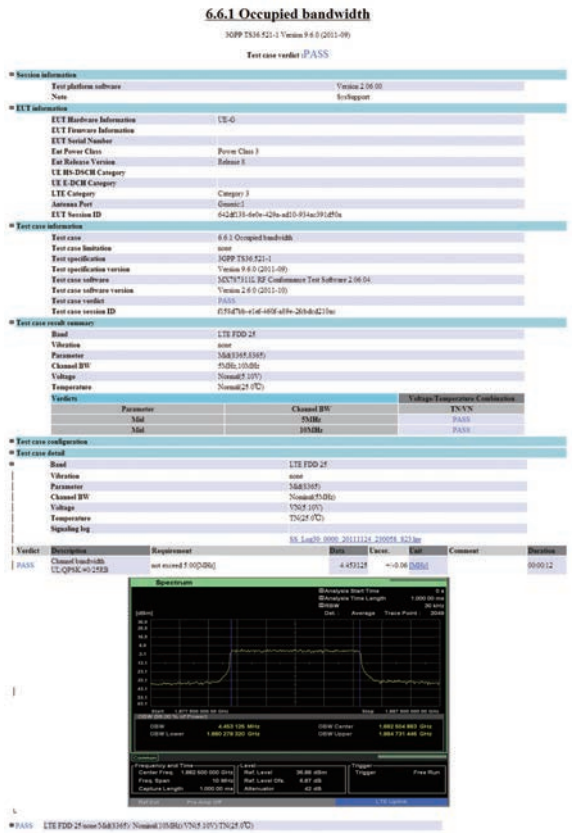
MD8430A Signalling Tester measurement logs are saved automatically for detailed checking and troubleshooting with standard log viewer software.



SS Log Viewer Display

Measured Data Management

Measurement results are confirmed at the Measurement Result screen and saved either as HTML for easy confirmation or as XML/CSV for easy database management. Moreover, HTML report files are linked to the signalling logs for each measurement, cutting search times for required information.



Measurement Report (HTML)

Specifications

ME7873L LTE RF Conformance Test System

Input and Output connector	N-type, 50Ω
Max. input level	+33 dBm (2 W)
Reference oscillator	MS2692A (with option-001 Rubidium Reference Oscillator) as standard External oscillator signal input available (Frequency: 10 MHz, Connector: BNC)
Frequency range	Defined by 3GPP E-UTRA Operating Band 1 to 5, 7 to 14, 17 to 21, 24 to 30, 33 to 41
Temperature range	15° to 35°C (operating), 0° to 50°C (storage)*1
Power supply (rating)	Select either 100 V(ac) to 120 V(ac) or 200 V(ac) to 240 V(ac), 50 Hz/60 Hz <3300 VA*2 (ME7873L) <4400 VA*2 (ME7873L with options 002, 003, 004, 007, 011, 012, 013, 022, 030, 031, 032, 038, 044, 048)
Dimensions	570 (W) × 1597 (H) × 797 (D) mm (1 rack)*3 1140 (W) × 1597 (H) × 797 (D) mm (2 racks)*3
Mass	<260 kg*4 (ME7873L) <550 kg*4 (ME7873L with options 002, 003, 004, 007, 011, 012, 013, 022, 030, 031, 032, 038, 044, 048)
EMC	EN61326-1 EN61000-3-2
LVD	EN61010-1

∗1: Ambient temperature
Basic calibration at acceptance inspection must meet this requirement.
Use in air-conditioned room recommended for stable measurement.
∗2: Power consumption
Sufficient power (600 VA) for basic calibration at acceptance inspection as well as for ME7873L must be supplied.
∗3: Topple prevention
Secure using hooks at rack top recommended.
∗4: Mass/Floor Loads
The installation location must be able to safely bear the above floor loads plus 100 kg for basic calibration equipment at acceptance inspection.

Supported Test Standards

The system design is based on the following standards:

3GPP TS 36.521-1 E-UTRA UE Conformance Specification Radio Transmission and Reception Part 1: Conformance Testing
3GPP TS 36.521-3 E-UTRA UE Conformance Specification Radio Transmission and Reception Part 3: RRM Conformance Testing
3GPP TS 36.508 E-UTRA and EPC Common Test Environments for UE Conformance Testing
3GPP TS 36.509 E-UTRA and EPC Special Conformance Testing Functions for UE

Release 8, 9, 10, and 11 of above standards is also supported. Contact our sales representative for detailed of the supported versions.

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
	Main frame
ME7873L	LTE RF Conformance Test System
	Configuration items
MD8430A	Signalling Tester
MS2692A	Signal Analyzer
MG3692C	Synthesized Signal Generator
MG3710A	Vector Signal Generator
MG3700A	Vector Signal Generator
ML2488B	Wideband Power Meter
SC7816	Thermal Sensor
MF6900A	Fading Simulator
MD8480C	W-CDMA Signalling Tester
MD8470C	Signalling Tester
MT8820C	Radio Communication Analyzer
MN7462A	RF Interface Unit
MN7464D	Filter Unit
MN7451A	RF Switch Driver Unit
MN7463B	RF Combiner Unit
MN7464E	Additional Filter Unit
MN7464F	Filter Unit2
MN7464G	Filter Unit3
MN7464H	Filter Unit4
ME7873L-002	LTE Common Kit
MX787311L	LTE RF Conformance Test Software
MX787312L	FDD CA Test Software
MX787361L	TD-LTE RF Conformance Test Software
MX787362L	TDD CA Test Software
MX787391L	HSPA RF Conformance Test Software
	Standard accessory
	ME7873L Operation Manual (CD-ROM): 1 set
	Options
ME7873L-001	HSPA Common Kit
ME7873L-003	LTE TRX Hardware
ME7873L-004	LTE Performance Hardware
ME7873L-007	LTE TRX Additional Hardware
ME7873L-010	HSPA to LTE Upgrade Kit
ME7873L-011	LTE RRM Hardware
ME7873L-012	LTE to UMTS/GSM Inter-RAT RRM
ME7873L-013	LTE to CDMA2000 Inter-RAT RRM
ME7873L-022	Fading Accessory
ME7873L-030	VSG Accessory
ME7873L-031	Fading Accessory2
ME7873L-032	Filter Unit4 Accessory
ME7873L-038	Filter Unit3 Accessory
ME7873L-044	Filter Unit2 Accessory
ME7873L-048	SV-LTE CDMA2000 RF Test Accessory
MX787311L-002	LTE TRX Test Cases Conformance Package1
MX787311L-003	LTE TRX Test Cases Conformance Package2
MX787311L-004	LTE Performance Test Cases Conformance Package1
MX787311L-005	LTE 4x2MIMO Test Cases Conformance Package1
MX787311L-006	LTE CQI Test Cases Conformance Package1
MX787311L-011	LTE RRM Test Cases Conformance Package1
MX787311L-012	LTE to UMTS/GSM Test Cases Conformance Package1
MX787311L-013	LTE to CDMA2000 Test Cases Conformance Package1
MX787311L-021	LTE TRX Test Cases Conformance Package3
MX787311L-022	UMTS to LTE Test Cases Conformance Package1
MX787311L-023	LTE RRM Test Cases Conformance Package2
MX787311L-024	LTE to UMTS/GSM Test Cases Conformance Package2
MX787311L-033	R&TTE Test Cases
MX787311L-034	Band4 Supplementary TRx Test Cases
MX787311L-035	Band4 Supplementary Performance Test Cases
MX787311L-036	Band4 Supplementary 4x2MIMO Test Cases
MX787311L-037	Band17 Supplementary RF Test Cases
MX787311L-038	Band17 Supplementary RF Test Cases2
MX787311L-039	Band17 Supplementary RF Test Cases3
MX787311L-040	R61 RRM Test Cases1
MX787311L-041	R61 RRM Test Cases2

Model/Order No.	Name
MX787311L-044	SV-LTE TRX Test Cases
MX787311L-045	SV-LTE Power Backoff Test Case
MX787311L-046	SV-LTE Power Headroom Reporting Test Cases
MX787311L-047	Band13 Supplementary RF Test Cases
MX787311L-048	SV-LTE CDMA2000 RF Test Cases
MX787311L-049	Band13 Supplementary RRM Test Cases
MX787311L-050	InterBand RRM Test Cases1
MX787311L-054	Band2 Supplementary TRx Test Cases
MX787311L-055	Band2 Supplementary Performance Test Cases
MX787311L-056	Band2 Supplementary 4x2MIMO Test Cases
MX787311L-057	R1 Band12 Supplementary RF Test Cases1
MX787311L-058	R1 Band12 Supplementary RF Test Cases2
MX787311L-059	Band5 Supplementary RF Test Cases
MX787311L-061	WI-150 Performance Package1
MX787311L-062	WI-150 4x2MIMO Package1
MX787311L-063	WI-150 RRM Package1
MX787311L-064	WI-150 LTE to UMTS/GSM Package1
MX787311L-065	WI-150 UMTS to LTE Package1
MX787311L-066	LTE to UMTS/GSM Package2
MX787311L-067	WI-177 LTE Performance Package1
MX787311L-068	WI-177 LTE RRM Package1
MX787311L-069	WI-181 LTE RRM Package1
MX787311L-071	R1 Band2 Supplementary RF Test Cases1
MX787311L-072	R1 Band4 Supplementary RF Test Cases1
MX787311L-073	R1 Band5 Supplementary RF Test Cases1
MX787311L-074	R1 Band30 Supplementary RF Test Cases1
MX787311L-075	eMBMS Package1
MX787311L-076	R1 Band2 Supplementary RF Test Cases2
MX787311L-077	R1 Band4 Supplementary RF Test Cases2
MX787311L-078	R1 Band5 Supplementary RF Test Cases2
MX787311L-079	R1 Band30 Supplementary RF Test Cases2
MX787311L-085	eICIC Performance Package1
MX787311L-086	eICIC RRM Package1
MX787311L-087	feICIC Performance Package1
MX787311L-088	feICIC RRM Package1
MX787311L-091	Band26 Supplementary TRX Test Cases
MX787311L-092	RF Supplementary Test Cases4 for T-Mobile
MX787311L-094	RF Supplementary Test Cases1 for T-Mobile
MX787311L-095	RF Supplementary Test Cases2 for T-Mobile
MX787311L-096	RF Supplementary Test Cases3 for T-Mobile
MX787312L-001	TRX Test Cases Package1
MX787312L-002	TRX Test Cases Package2
MX787312L-003	TRX Test Cases Package3
MX787312L-004	Performance Test Cases Package1
MX787312L-005	Performance Test Cases Package2
MX787312L-006	4x2MIMO Test Cases Package1
MX787312L-007	4x2MIMO Test Cases Package2
MX787312L-008	Performance Test Cases Package3
MX787312L-009	Performance Test Cases Package4
MX787312L-011	RRM Test Cases Package1
MX787312L-012	LTE to UMTS Test Cases Package1
MX787312L-013	RRM Test Cases Package2
MX787312L-015	Performance Test Cases Package5
MX787312L-037	R64 CA TRX Test Cases1
MX787312L-038	CA Supplementary Test Cases1 for T-Mobile
MX787312L-040	R61 CA RRM Test Cases1
MX787312L-044	R64 CA TRX B2-29 Test Cases1
MX787312L-045	R64 CA TRX B4-29 Test Cases1
MX787312L-046	R64 CA TRX B2-5 Test Cases1
MX787312L-047	R64 CA TRX B4-5 Test Cases1
MX787312L-048	R64 CA TRX B2-12 Test Cases1
MX787312L-049	R64 CA TRX B4-12 Test Cases1
MX787361L-002	TD-LTE TRX Test Cases Conformance Package1
MX787361L-003	TD-LTE TRX Test Cases Conformance Package2
MX787361L-004	TD-LTE Perf Test Cases Conformance Package1
MX787361L-005	TD-LTE 4x2MIMO Test Cases Conformance Package1
MX787361L-006	TD-LTE CQI Test Cases Conformance Package1
MX787361L-011	TD-LTE RRM Test Cases Conformance Package1
MX787361L-022	TD-SCDMA to TD-LTE Test Cases Conformance Package1
MX787361L-023	TD-LTE RRM Test Cases Conformance Package2

Model/Order No.	Name
MX787361L-024	TD-LTE to UMTS/GSM Test Cases Conformance Package1
MX787361L-025	TD-LTE to TD-SCDMA Test Cases Conformance Package1
MX787361L-026	TD-LTE CQI Test Cases Conformance Package2
MX787361L-061	WI-150 TD-LTE Performance Package1
MX787361L-062	WI-150 TD-LTE 4x2MIMO Package1
MX787361L-063	WI-150 TD-LTE RRM Package1
MX787361L-064	WI-150 TD-LTE to UMTS/GSM Package1
MX787361L-065	WI-150 TD-LTE to TD-SCDMA Package1
MX787361L-066	WI-150 TD-LTE to UMTS/GSM Package2
MX787361L-067	WI-177 TD-LTE Performance Package1
MX787361L-068	WI-177 TD-LTE RRM Package1
MX787361L-070	WI-151 Package1
MX787361L-071	WI-151 Package2
MX787361L-075	TD-LTE eMBMS Package1
MX787361L-080	WI-139 Package1
MX787361L-081	WI-139 Package2
MX787361L-085	TD-LTE eICIC Performance Package1
MX787361L-086	TD-LTE eICIC RRM Package1
MX787361L-087	TD-LTE feICIC Performance Package1
MX787361L-088	TD-LTE feICIC RRM Package1
MX787361L-090	Band41 Supplementary TRX Test Cases
MX787362L-001	TRX Test Cases Package3
MX787362L-002	TRX Test Cases Package1
MX787362L-003	TRX Test Cases Package2
MX787362L-004	Performance Test Cases Package3
MX787362L-005	Performance Test Cases Package1
MX787362L-006	4x2MIMO Test Cases Package2
MX787362L-007	4x2MIMO Test Cases Package1
MX787362L-008	Performance Test Cases Package4
MX787362L-009	Performance Test Cases Package2
MX787362L-011	RRM Test Cases Package1
MX787362L-013	RRM Test Cases Package2
MX787362L-014	RRM Test Cases Package3
MX787362L-015	Performance Test Cases Package5
MX787391L-001	WI-069 TRx Test Case
MX787391L-002	WI-069 Performance Test Cases
MX787391L-011	WI-070 Performance Test Cases
MX787391L-021	WI-113 Performance Test Cases
MX787391L-031	WI-129 TRx Test Cases
MX787391L-032	WI-129 Performance Test Cases
MX787391L-041	WI-124 Performance Test Cases
MX787391L-091	UMTS Test Cases Package1
MX787300L-0xx	FDD/TDD Band xx Capability
B0630A	2nd Rack for LTE RF CTS
Z1514A	Additional Accessory Kit for Power Supply
	−UMTS Option−
MD8480C	W-CDMA Signalling Tester
MS8609A	Digital Mobile Radio Transmitter Tester
MP8302A	Bit Error Rate Tester
MG3692C	Synthesized Signal Generator
MG3700A	Vector Signal Generator
MF6900A	Fading Simulator
ME7416B	RF Switch Driver Unit
MN7451A	RF Switch Driver Unit
MN7462A	RF Interface Unit
MN7463A	RF Combiner Unit
MN7465A	RF Switch Unit
MX787103F	W-CDMA TRX/Performance Test Software
MX787104F	W-CDMA RRM Test Software
MX787135F	Selftest Software for Conformance Test System

Model/Order No.	Name
ME7873F-10	RRM Test Addition
ME7873F-60	WI-113 Toolkit
ME7873F-61	WI-129 Toolkit
ME7873F-62	WI-148 Toolkit
ME7873F-70	WI-013 Toolkit (TRx/Performance)
ME7873F-72	WI-013 Toolkit (RRM)
ME7873F-74	WI-014 Toolkit
ME7873F-75	WI-024 Toolkit
ME7873F-76	WI-025 Toolkit
ME7873F-77	WI-049 Toolkit
ME7873F-78	WI-076 Toolkit
ME7873F-79	Additional Hardware for Diversity
ME7873F-80	WI-069 Toolkit
ME7873F-81	WI-070 Toolkit
ME7873F-90	MF6900A Exchange
ME7874F-72	WI-013 Toolkit (RRM)
ME7874F-75	WI-024 Toolkit
ME7874F-76	WI-025 Toolkit
ME7874F-77	WI-049 Toolkit
MX787103F-09	JAPAN TRCC TEST
MX787190F	MCTS Integration Software
MN7462A-01	4 Antenna Connections
ME7419B	Mobile Radio Switching Unit
Z0788	Additional Accessory Kit for Power Supply
Z1396A	User Operation PC
Z1629A	Express Card-GPIB
J1415A	USB-Serial Converter Cable
	−Frequency Band Options−
	(without RRM Test Function)
ME7873F-11	3GPP Band I Addition
ME7873F-12	3GPP Band II Addition
ME7873F-13	3GPP Band III Addition
ME7873F-14	3GPP Band IV Addition
ME7873F-15	3GPP Band V Addition
ME7873F-16	3GPP Band VI Addition
ME7873F-18	3GPP Band VIII Addition
ME7873F-19	3GPP Band IX Addition
ME7873F-31	3GPP Band XI Addition
ME7873F-32	3GPP Band XIX Addition
	(with RRM Test Function)
ME7873F-21	3GPP Band I Addition (Including RRM)
ME7873F-22	3GPP Band II Addition (Including RRM)
ME7873F-23	3GPP Band III Addition (Including RRM)
ME7873F-24	3GPP Band IV Addition (Including RRM)
ME7873F-25	3GPP Band V Addition (Including RRM)
ME7873F-26	3GPP Band VI Addition (Including RRM)
ME7873F-28	3GPP Band VIII Addition (Including RRM)
ME7873F-29	3GPP Band IX Addition (Including RRM)
ME7873F-41	3GPP Band XI Addition (Including RRM)
ME7873F-42	3GPP Band XIX Addition (Including RRM)
	(only RRM Test Function)
ME7874F-11	3GPP Band I Addition
ME7874F-12	3GPP Band II Addition
ME7874F-13	3GPP Band III Addition
ME7874F-14	3GPP Band IV Addition
ME7874F-15	3GPP Band V Addition
ME7874F-16	3GPP Band VI Addition
ME7874F-18	3GPP Band VIII Addition
ME7874F-19	3GPP Band IX Addition
ME7874F-31	3GPP Band XI Addition
ME7874F-32	3GPP Band XIX Addition

In addition to the above-described accessories, the following items are required to use the ME7873L.

• DC Power Supply

The following models are required when controlling the power supply using the ME7873L.

Model	Name	pcs	Manufacturer
N6700B	Main Frame	1	Keysight Technologies Inc.
N6732B*2	8 V, 6.25 A, 50 W DC Power Module	4*1	
N6709A	Low-Profile MPS Mainframe Rack Mount Kit	1	

∗1: Four modules are required when testing up to four mobiles continuously.
∗2: At rack mounting, the maximum current is 2 A.
To draw more than 2 A of current, use a separate cable to supply DC to the terminal.
However, since this will prevent rack mounting, decide on the installation location for the DC power supply in advance.
When using a power supply other than the N6732B, ask the power supply manufacture for details.

In addition, the following equipment can also be controlled.
However, since rack-mounting is not possible when using the 2306-PJ, decide on the installation location for the DC power supply in advance.

Model	Name	pcs	Manufacturer
2306-PJ	Dual-Channel Battery/Charger Simulator with 500 mA Range	2*3	Keithley Instruments Inc.

∗3: Two sets of the 2306-PJ are required when testing up to four mobiles continuously.

• Temperature Chamber

One of the following equipments is required to control the temperature chamber from the ME7873L.

Model	Name	Manufacturer
SH-241*1	Temperature & Humidity Chamber	ESPEC Corp.
SH-242*1		
VT4002*2	EMC Shielding with Temperature	Votsch Industrietechnik GmbH
105*1	Benchtop Temperature Chamber	TestEquity LLC
107*1		
115*1	Temperature Chamber	

∗1: GPIB Cable (Double-Shield, 2 m) is required to control this chamber automatically.
∗2: USB-RS232C Converter Cable (2 m) is required to control this chamber automatically.

Contact your Anritsu sales representative for details.

Anritsu

Specifications are subject to change without notice.

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