OTA Product Catalog

Shield Box
RF Chamber
CATR Anechoic Chamber

MA8161A
MA8171A
MA8172A
OTA Products
5G network testing is not the same as testing 4G architectures, or any other previous wireless network type. Traditionally, network engineers confirm base transceiver stations (BTS) and antennas are functioning properly and transmitting the design signal strength by connecting test instruments using a coaxial cable to the base station RF connector.

However, new 5G services use the sub-6 GHz and mmWave bands, and 3GPP recommends using over-the-air (OTA) call connections to test the mmWave band, requiring an OTA RF chamber for stable measurement. Anritsu’s reasonably priced OTA products support this wide frequency band with easy setup for shorter test times.
**Anritsu OTA Products Features**

**Wide Product Line Supporting Function to 3GPP Conformance Tests**

**MA8161A Shield Box**
Supports simple OTA test environment for 5G/LTE protocol R&D tests, PCT/CAT pre-tests, etc.
- Small footprint for easy benchtop use and good handling
- Regression testing, etc., for 5G UE development stage
- Supports both sub-6 GHz and mmWave bands

**MA8171A RF Chamber**
Supports OTA environment for integrated RF/protocol tests, such as 5G NR mmWave beamforming management tests, etc.
- For development of 5G NR chipsets and devices as well as UE mmWave development
- Supports 5G NR mmWave RF ERP/TIRP measurements, etc.
- Both 5G NR Standalone (SA) and Non-standalone (NSA) modes

**MA8172A CATR Anechoic Chamber**
Supports 5G NR OTA environment using 3GPP-compliant Compact Antenna Test Range (CATR) method
- For mmWave development of 5G NR chipsets and devices, and UE conformance tests
- Supports 5G NR mmWave spurious tests
- Three component parts for easy transport and quick setup

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**Anritsu OTA Products Layout**

**Shield Box MA8161A**

*Example selecting MA8161A-002*
Anritsu OTA Products Layout

RF Chamber MA8171A

Setup Example

1 RF Chamber MA8171A
2 28 GHz RF Converter MA80001A/39 GHz RF Converter MA80002A
3 Converter Rack B0747A
4 Chamber Rack B0746A
5 Radio Communication Test Station MT8000A
6 Position Controller MA8174A

Door Opening

7 Test Antenna
8 Positioner MA8175A
Anritsu OTA Products Layout

CATR Anechoic Chamber MA8172A

Front

1 Door
2 Sealing handles
3 Handle
4 Ventilation hole
5 Position Controller MA8178A

Enlarged View

6 Connect to MA8178A (Theta/Phi)
7 USB3.0
8 Connect to MT8000A (5, 6)
9 For LTE Link Antenna
10 Through Hole 1
11 Through Hole 2
12 LAN
13 RF I/O
14 Through Hole 3
15 Connect to MT8000A (1, 2, 3, 4)
Anritsu OTA Products Layout

CATR Anechoic Chamber MA8172A (continued)

**Insides**

1. Feed antenna
2. Positioner MA8179A
3. LTE Link Antenna Kit MA8172A-AK023
4. Reflector
5. NR FR2 Link Antenna Kit MA8172A-AK022

**Rear**

1. Ventilation hole
2. Fans
## Shield Box MA8161A

### Electrical Characteristics

Shielding characteristics: without cable connection via USB connector or Through Hole

- ≥50 dB (600 MHz ≤ frequency ≤ 6 GHz)
- ≥50 dB (24 GHz < frequency ≤ 43.5 GHz) (nom.)

### Input/Output Connector

When Connector Panel 1 MA8161A-001 is selected

- SMA (f) — SMA (f): 2
- K (f) — K (f): 2
- USB 3.0 Type-A (f) — USB 3.0 Type-A (f): 1

When Connector Panel 2 MA8161A-002 is selected

- SMA (f) — SMA (f): 8
- K (f) — K (f): 8
- Through Hole: 2

### Dimensions and Mass

- Outer dimensions: 434 (W) × 271 (H) × 328 (D) mm (excluding projections)
- Mass: ≤16 kg (Full option configuration)
- Maximum test UE size: 300 (W) × 50 (H) × 200 (D) mm (set the UE antenna face down)
- Maximum test UE mass: ≤1 kg
- Ventilation hole: 2

### Environmental Conditions

- Operating temperature range: +5° to +40°C
- Storage temperature range: –20° to +60°C (without condensation)

### CE

- LVD 2014/35/EU, EN61010-1
- RoHS 2011/65/EU, EN50581
## Anritsu OTA Products Specifications
### RF Chamber MA8171A

#### Electrical Characteristics
- **Shielding characteristics**
  - ≥70 dB (800 MHz ≤ frequency ≤ 3.8 GHz) (nom.)
  - ≥60 dB (24 GHz ≤ frequency ≤ 40 GHz) (nom.)
- **Anechoic performance**
  - Reflected wave Level by free space standing wave ratio method in QZ (quiet zone) in φ 300 mm sphere
  - ≥30 dB (24 GHz ≤ frequency ≤ 40 GHz) (nom.)

#### General
- **External Interface**
  - RF connection: K (f) × 2
  - SMA (f) × 4
  - UE connection: USB 2.0 (type-A) (f) × 2
  - Position Controller: mini D-Sub 15 pin (m) × 2
- **Internal interface**
  - RF connection: K (f) × 2
  - SMA (f) × 4
  - UE connection: USB 2.0 (type-A) (f) × 2
  - Positioner connection: mini D-Sub 15 pin (f) × 2
- **Through sleeve pipe:** 1 (φ 50 mm)
- **Door:** Unilateral door (left side opening)
  - Outside door size: 1100 (W) × 800 (H) mm
  - Aperture: 1000 (W) × 700 (H) mm
  - Blank panel: 6
  - Ventilation hole: 2

#### Dimensions and Mass
- **Outer dimensions:** 1460 (W) × 1210 (H) × 1000 (D) mm (excluding projections)
- **Effective inner dimension:** 1100 (W) × 800 (H) × 650 (D) mm (inside dimension with radio wave absorber stuck)
- **Mass:** ≤150 kg
- **Outer dimensions (with chamber rack):** 1460 (W) × 1785 (H) × 1000 (D) mm (including casters, excluding projections)
- **Mass (with chamber rack):** ≤240 kg

### Position Controller MA8174A

#### External Interface
- **GPIB**
  - Trigger output: BNC (5 V, TTL, negative logic, pulse width 20 µs) × 1
  - Control connector: mini D-Sub 15 pin (f) × 2

#### Dimensions and Mass
- **Dimensions:** 434 (W) × 141 (H) × 363 (D) mm
- **Mass:** ≤15 kg
- **Rated voltage:** 100 V(ac) to 120 V(ac)/200 V(ac) to 240 V(ac)
- **Rated frequency:** 50 Hz to 60 Hz
- **Power consumption:** ≤110 VA (when Positioner MA8175A connected)

#### Environmental Conditions
- **Operating temperature range:** +5°C to +40°C (without condensation)
- **Operating humidity range:** ≤85% (without condensation)
- **Storage temperature range:** −20°C to +60°C (without condensation)
- **Storage humidity range:** ≤85% (without condensation)

#### CE
- **EMC:** 2014/30/EU, EN61326-1, EN61000-3-2
- **LVD:** 2014/35/EU, EN61010-1
- **RoHS:** 2011/65/EU, EN50581
### Positioner MA8175A

| General | Axis of rotation: 2 (Theta: Horizontal rotation, Phi: Vertical rotation)  
Rotational speed: 1.0 rpm to 15.0 rpm, 0.1 rpm step (nom.)  
Rotation angle resolution (Setting resolution): 0.1 deg. (nom.)  
Stop precision (Reproducibility): Specified stopping precision reproducibility when the center of gravity of UE of 1 kg or less is at rotation center  
Theta: ±0.5 deg. (nom.)  
Phi: ±0.5 deg. (nom.)  
Angle of rotation  
Theta: –20.0 deg. to 380.0 deg. (finite rotation)  
Phi: 0.0 to 359.9 deg. (infinite rotation), –720.0 deg. to 720.0 deg. (finite rotation)  
Angle origin  
Theta: According to figure below (left)  
Phi: According to figure below (right) |
|---|---|
| **Positioning pin** | **External Connector**  
Theta: mini D-Sub 15 pin connector (m), 0.8 m from the end of the positioner body  
Phi: mini D-Sub 15 pin connector (m), 0.8 m from the end of the positioner body |
| **Dimensions and Mass**  
**Power Supply**  
Dimensions: 600 (W) × 715 (H) × 600 (D) mm (excluding projections and cable)  
Tray size: 400 (W) × 400 (D) mm (excluding projections and screw)  
70 (depth) mm (from the center of rotation to the bottom of the tray)  
Mass: ≤25 kg  
Power: Supplied from Position Controller MA8174A |
| **Environmental Conditions**  
Operating temperature range: +5° to +40°C (without condensation)  
Operating humidity range: ≤85% (without condensation)  
Storage temperature range: –20° to +60°C (without condensation)  
Storage humidity range: ≤85% (without condensation) |
| **CE** | **EMC**  
2014/30/EU, EN61326-1, EN61000-3-2  
**LVD**  
2014/35/EU, EN61010-1  
**RoHS**  
2011/65/EU, EN50581  
**Machinery**  
2006/42/EC, EN60204-1 |
### CATR Anechoic Chamber MA8172A

**Electrical Characteristics**

- **Shielding characteristics:** without cable connection via USB connector or Through Hole
  \[ \geq 60 \text{ dB (1 GHz} \leq \text{ frequency} \leq 6 \text{ GHz)} \]
  \[ \geq 60 \text{ dB (600 MHz} \leq \text{ frequency} < 1 \text{ GHz, 6 GHz} < \text{ frequency} \leq 87 \text{ GHz) (nom.)} \]

- **Quiet Zone:** Specifies the flatness of the amplitude and phase of the electric field in a cylindrical QZ (quiet zone) with 330 mm diameter and 330 mm depth

- **Amplitude taper**
  - MA8172A-021: \( \leq 1.5 \) dB (23.4 GHz \( \leq \text{ frequency} \leq 42 \text{ GHz) (nom.)} \)
  - MA8172A-022: \( \leq 1.5 \) dB (22.65 GHz \( \leq \text{ frequency} \leq 32.125 \text{ GHz) (nom.)} \)
  - MA8172A-001: \( \leq 1.7 \) dB (32.125 GHz \( < \text{ frequency} \leq 45.1 \text{ GHz) (nom.)} \)
  - MA8172A-002: \( \leq 1.5 \) dB (60 GHz \( < \text{ frequency} \leq 87 \text{ GHz) (nom.)} \)
  - MA8172A-003: \( \leq 3 \) dB (6 GHz \( \leq \text{ frequency} \leq 20 \text{ GHz) (nom.)} \)
  - MA8172A-021: \( \leq 1.5 \) dB (20 GHz \( < \text{ frequency} \leq 87 \text{ GHz) (nom.)} \)

- **Amplitude ripple**
  - MA8172A-021: \( \leq 1.5 \) dB (23.4 GHz \( \leq \text{ frequency} \leq 42 \text{ GHz) (nom.)} \)
  - MA8172A-022: \( \leq 1.5 \) dB (22.65 GHz \( \leq \text{ frequency} \leq 45.1 \text{ GHz) (nom.)} \)
  - MA8172A-001: \( \leq 3 \) dB (6 GHz \( \leq \text{ frequency} \leq 20 \text{ GHz) (nom.)} \)
  - MA8172A-002: \( \leq 1.5 \) dB (60 GHz \( < \text{ frequency} \leq 87 \text{ GHz) (nom.)} \)

- **Total phase deviation:** excluding rotation of the phase distribution
  - MA8172A-021: \( \leq 22.5 \) deg. (23.4 GHz \( \leq \text{ frequency} \leq 42 \text{ GHz) (nom.)} \)
  - MA8172A-022: \( \leq 22.5 \) deg. (22.65 GHz \( \leq \text{ frequency} \leq 45.1 \text{ GHz) (nom.)} \)

- **Connector:** K-type (m), 50Ω (nom.)
- **Polarization:** Both (Vertical, Horizontal) (nom.)

**Antenna**

- **Spurious Measurement Kit 6 GHz-60 GHz MA8172A-001**
  - Feed Antenna (6 – 20 GHz)
    - Frequency: 6 GHz to 20 GHz
    - Connector: K-type (m)
    - Impedance: 50Ω (nom.)
    - Polarization: Both (Vertical, Horizontal) (nom.)
  - Feed Antenna (20 – 40 GHz)
    - Frequency: 20 GHz to 40 GHz
    - Connector: K-type (m)
    - Impedance: 50Ω (nom.)
    - Polarization: Both (Vertical, Horizontal) (nom.)
  - Feed Antenna (40 – 60 GHz)
    - Frequency: 40 GHz to 60 GHz
    - Connector: V-type (m)
    - Impedance: 50Ω (nom.)
    - Polarization: Both (Vertical, Horizontal) (nom.)

- **Spurious Measurement Kit 60 GHz-87 GHz MA8172A-002**
  - Feed Antenna (60 – 87 GHz)
    - Frequency: 60 GHz to 87 GHz
    - Impedance: 50Ω (nom.)
    - Polarization: Both (Vertical, Horizontal) (nom.)
  - Test Antenna MA8172A-021
    - Frequency: 23.4 GHz to 42 GHz
    - Connector: K-type (m)
    - Impedance: 50Ω (nom.)
    - Polarization: Both (Vertical, Horizontal) (nom.)
  - Test Antenna MA8172A-022
    - Frequency: 22.65 GHz to 45.1 GHz
    - Connector: V-type (m)
    - Impedance: 50Ω (nom.)
    - Polarization: Both (Vertical, Horizontal) (nom.)
### Antenna

- **Spurious Measurement Kit 6 GHz-87 GHz MA8172A-003**
  - **Feed Antenna (6 – 20 GHz)**
    - Frequency: 6 GHz to 20 GHz
    - Connector: K-type (m)
    - Impedance: 50Ω (nom.)
    - Polarization: Both (Vertical, Horizontal) (nom.)
  - **Feed Antenna (20 – 40 GHz)**
    - Frequency: 20 GHz to 40 GHz
    - Connector: K-type (m)
    - Impedance: 50Ω (nom.)
    - Polarization: Both (Vertical, Horizontal) (nom.)
  - **Feed Antenna (40 – 60 GHz)**
    - Frequency: 40 GHz to 60 GHz
    - Connector: V-type (m)
    - Impedance: 50Ω (nom.)
    - Polarization: Both (Vertical, Horizontal) (nom.)
  - **Feed Antenna (60 – 87 GHz)**
    - Frequency: 60 GHz to 87 GHz
    - Connector: W-type (m)
    - Impedance: 50Ω (nom.)
    - Polarization: Both (Vertical, Horizontal) (nom.)

### General

- **Exclusive interface**
  - Connect to MT8000A 1–6: Round multiway type connector, N (f)
  - Connect to MA8178A (Theta, Phi): mini D-Sub 15 pin (m)
  - For LTE Link Antenna: SMA (f) × 2
- **General interface**
  - RF I/O (≤40 GHz): K (f) to K (f) : 2
  - RF I/O (≤18 GHz): SMA (f) to SMA (f) : 4
  - USB 3.0: Type-A (f) to Type-A (f) : 2
  - Through Hole 1: φ 50 mm
  - Through Hole 2: 18 mm (four screw stopping)
  - Through Hole 3: φ 50 mm
  - LAN: RJ-45 (Cat 6)
  - Door: Unilateral door (left side opening)
  - Aperture: 1035 (W) × 733 (H) mm

### Power Supply

- **MA8172A**
  - Rated voltage: 100 V(ac) to 120 V(ac) / 200 V(ac) to 240 V(ac)
  - Rated frequency: 50 Hz to 60 Hz
  - Power consumption: ≤100 VA
- **MA8172A-001**
  - Voltage: 8 VDC
- **MA8172A-002**
  - Voltage: 8 VDC
- **MA8172A-001**
  - Voltage (60 – 87 GHz): 8 VDC

### Dimensions and Mass

- **Outer dimensions:**
  - MA8172A: 2200 (W) × 1980 (H) × 1200 (D) mm (excluding projections and cables)
  - MA8172A-001: 400 (W) × 100 (H) × 255 (D) mm (excluding projections and cables)
  - MA8172A-002: 90 (W) × 60 (H) × 175 (D) mm (excluding projections and cables)
  - MA8172A-021: 90 (W) × 60 (H) × 175 (D) mm (excluding projections and cables)
  - MA8172A-022: 50 (W) × 50 (H) × 175 (D) mm (excluding projections and cables)
- **Mass:**
  - MA8172A: ≤700 kg (including all options, excluding rack)
  - MA8172A-001: ≤10 kg
  - MA8172A-002: ≤1 kg
  - MA8172A-003: ≤11 kg
  - MA8172A-021: ≤1 kg
  - MA8172A-022: ≤1 kg

### Environmental Conditions

- Operating temperature range: +5° to +35°C (MA8172A, MA8172A-001/-002/-003/-021/-022, without condensation)
- Operating humidity range: ≤85% (MA8172A-001/-002/-003, without condensation)
- Storage temperature: –20° to +60°C (MA8172A, MA8172A-001/-002/-003/-021/-022, without condensation)

### CE

- **EMC**
  - 2014/30/EU, EN61326-1, EN61000-3-2
- **LVD**
  - 2014/35/EU, EN61010-1
- **RoHS**
  - 2011/65/EU, EN50581
Anritsu OTA Products Specifications

CATR Anechoic Chamber MA8172A (continued)

Position Controller MA8178A

<table>
<thead>
<tr>
<th>External Interface</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethernet: RJ-45 × 1 (1000Base-T)</td>
</tr>
<tr>
<td>Trigger Out: BNC × 1 (5 V, TTL, negative logic, pulse width 20 µs)</td>
</tr>
<tr>
<td>Control connector</td>
</tr>
<tr>
<td>Theta: mini D-Sub 15 pin (f) × 1</td>
</tr>
<tr>
<td>Phi: mini D-Sub 15 pin (f) × 1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions and Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions: 434 (W) × 180 (H) × 210 (D) mm</td>
</tr>
<tr>
<td>Mass: ≤15 kg</td>
</tr>
<tr>
<td>Rated voltage: 100 V(ac) to 120 V(ac) to 240 V(ac)</td>
</tr>
<tr>
<td>Rated frequency: 50 Hz to 60 Hz</td>
</tr>
<tr>
<td>Power consumption: ≤200 VA (when Positioner MA8179A connected)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Environmental Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature range: ±5° to +40°C (without condensation)</td>
</tr>
<tr>
<td>Operating humidity range: ≤80% (without condensation)</td>
</tr>
<tr>
<td>Storage temperature range: –20° to +60°C (without condensation)</td>
</tr>
<tr>
<td>Storage humidity range: ≤80% (without condensation)</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>CE</th>
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<tbody>
<tr>
<td>EMC 2014/30/EU, EN61326-1, EN61000-3-2</td>
</tr>
<tr>
<td>LVD 2014/35/EU, EN61010-1</td>
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<tr>
<td>RoHS 2011/65/EU, EN50581</td>
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</tbody>
</table>

Positioner MA8179A

<table>
<thead>
<tr>
<th>General</th>
</tr>
</thead>
<tbody>
<tr>
<td>Axis of rotation: 2 (Theta: Horizontal rotation, Phi: Vertical rotation)</td>
</tr>
<tr>
<td>Rotational speed: 0.1 rpm to 10.0 rpm, 0.1 rpm step (nom.)</td>
</tr>
<tr>
<td>Rotation angle resolution (Setting resolution): 0.1 deg. (nom.)</td>
</tr>
<tr>
<td>Stop precision (Reproducibility): Specified stopping precision reproducibility when the center of gravity of UE of 1 kg or less is at rotation center</td>
</tr>
<tr>
<td>Theta: ±0.5 deg. (nom.)</td>
</tr>
<tr>
<td>Phi: ±0.5 deg. (nom.)</td>
</tr>
<tr>
<td>Angle of rotation</td>
</tr>
<tr>
<td>Theta: –20.0 deg. to 380.0 deg. (finite rotation)</td>
</tr>
<tr>
<td>Phi: infinite rotation</td>
</tr>
<tr>
<td>Angle origin</td>
</tr>
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<td>Theta: According to figure below (left)</td>
</tr>
<tr>
<td>Phi: According to figure below (right)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions and Mass</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions: 600 (W) × 360 (H) × 600 (D) mm (excluding projections and cables)</td>
</tr>
<tr>
<td>Mass: ≤15 kg</td>
</tr>
</tbody>
</table>

<table>
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<tr>
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<td>Storage temperature range: –20° to +60°C (without condensation)</td>
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<td>Storage humidity range: ≤80% (without condensation)</td>
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<tr>
<td>EMC 2014/30/EU, EN61326-1, EN61000-3-2</td>
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<td>LVD 2014/35/EU, EN61010-1</td>
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<tr>
<td>RoHS 2011/65/EU, EN50581</td>
</tr>
<tr>
<td>Machinery 2006/42/EC, EN60204-1</td>
</tr>
</tbody>
</table>

EUT allowable size: 330 mm diameter hemisphere around the axis of rotation
EUT allowable mass: 2.0 kg
Noise: ≤70 dB (Conforms to Machinery Directive 2006/42/EC Annex I)
Power: Supplied from Position Controller MA8178A
### Anritsu OTA Products 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.

<table>
<thead>
<tr>
<th>Model/Order No.</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA8161A</td>
<td>Shield Box</td>
</tr>
<tr>
<td>MA8161A-001</td>
<td>Control Panel 1</td>
</tr>
<tr>
<td>MA8161A-002</td>
<td>Control Panel 2</td>
</tr>
<tr>
<td>MA8161A-AK010</td>
<td>Shield Tube</td>
</tr>
<tr>
<td>Z1999A</td>
<td>28 GHz Antenna Unit</td>
</tr>
<tr>
<td>Z2000A</td>
<td>39 GHz Antenna Unit</td>
</tr>
<tr>
<td>K241C</td>
<td>Precision Power Splitter, DC to 40 GHz</td>
</tr>
<tr>
<td>MA8171A</td>
<td>RF Chamber</td>
</tr>
<tr>
<td>MA8174A</td>
<td>Position Controller</td>
</tr>
<tr>
<td>MA8175A</td>
<td>Positioner</td>
</tr>
<tr>
<td>MA8175A-AK001</td>
<td>Cable Management Kit</td>
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<tr>
<td>MA8181A</td>
<td>28 GHz Test Antenna</td>
</tr>
<tr>
<td>Z1996A</td>
<td>28 GHz/39 GHz Test Antenna</td>
</tr>
<tr>
<td>Z2031A</td>
<td>Test Antenna</td>
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<tr>
<td>B0746A</td>
<td>Chamber Rack</td>
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<td>B0747A</td>
<td>Converter Rack</td>
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<tr>
<td>J0322A</td>
<td>Coaxial Cord, 0.5M</td>
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<tr>
<td>J0322B</td>
<td>Coaxial Cord, 1.0M</td>
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<tr>
<td>J0322C</td>
<td>Coaxial Cord, 1.5M</td>
</tr>
<tr>
<td>J0322D</td>
<td>Coaxial Cord, 2.0M</td>
</tr>
<tr>
<td>J1762A</td>
<td>Positioner Control Cable (3.0 m)</td>
</tr>
<tr>
<td>J1775A</td>
<td>Coaxial Cable (KM-KM, 0.3 m)</td>
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<tr>
<td>J1775B</td>
<td>Coaxial Cable (KM-KM, 1.0 m)</td>
</tr>
<tr>
<td>J1775C</td>
<td>Coaxial Cable (KM-KM, 2.0 m)</td>
</tr>
<tr>
<td>J1775D</td>
<td>Coaxial Cable (KM-KM, 3.0 m)</td>
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<tr>
<td>J1795A</td>
<td>Coaxial Cable (SMA (M)-SMA (M), 0.5 m)</td>
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<tr>
<td>J1795B</td>
<td>Coaxial Cable (SMA (M)-SMA (M), 1.0 m)</td>
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<tr>
<td>J1795C</td>
<td>Coaxial Cable (SMA (M)-SMA (M), 1.5 m)</td>
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<tr>
<td>J1795D</td>
<td>Coaxial Cable (SMA (M)-SMA (M), 2.0 m)</td>
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<tr>
<td>J1811A</td>
<td>Coaxial cable (VM-VM, 0.28 m)</td>
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<tr>
<td>J1811B</td>
<td>Coaxial cable (VML-VM 2.5 m)</td>
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<tr>
<td>Z1983A</td>
<td>Tray</td>
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<td>Jig for DUT Tray</td>
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<td>Z1985A</td>
<td>Wave Absorber</td>
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<td>Z1986A</td>
<td>Hook and Loop Fastener</td>
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<td>Z2009A</td>
<td>Link Antenna</td>
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<td>B0752A</td>
<td>Link Antenna Holder</td>
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<tr>
<td>J1798A</td>
<td>GPIB-USB-HS+</td>
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<tr>
<td>J1806A</td>
<td>VJ-VJ Adaptor</td>
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<td>J1806B</td>
<td>VJ-KJ Adaptor</td>
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<tr>
<td>MA8172A</td>
<td>CATR Anechoic Chamber</td>
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<tr>
<td>MA8172A-001</td>
<td>Spurious Measurement Kit 6 GHz-60 GHz</td>
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<tr>
<td>MA8172A-002</td>
<td>Spurious Measurement Kit 60 GHz-87 GHz</td>
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<tr>
<td>MA8172A-003</td>
<td>Spurious Measurement Kit 6 GHz-87 GHz</td>
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<tr>
<td>MA8172A-021</td>
<td>Test Antenna</td>
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<tr>
<td>MA8172A-022</td>
<td>Test Antenna</td>
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<tr>
<td>MA8172A-AK011</td>
<td>Converter Install Kit</td>
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<tr>
<td>MA8172A-AK012</td>
<td>Converter Tray</td>
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<td>MA8172A-AK013</td>
<td>Switching Hub</td>
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<td>MA8172A-AK022</td>
<td>NR FR2 Link Antenna Kit</td>
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<td>MA8172A-AK023</td>
<td>LTE Link Antenna Kit</td>
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<td>MA8172A-AK031</td>
<td>Monitor Camera</td>
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<tr>
<td>MA8172A-AK032</td>
<td>Additional Rack (41U)</td>
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<td>MA8178A</td>
<td>Position Controller</td>
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<td>MA8179A</td>
<td>Positioner</td>
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<td>Z1974A</td>
<td>Reference Antenna</td>
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<td>Z2032A</td>
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<td>J1806D</td>
<td>VJ-KP Adaptor</td>
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<td>J1811B</td>
<td>Coaxial cable (VML-VM, 2.5 m)</td>
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<td>ML2437A</td>
<td>Power Meter</td>
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<td>MA2444D</td>
<td>High Accuracy Sensor</td>
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<td>MA2445D</td>
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<td>41KC-10</td>
<td>Fixed Attenuator</td>
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<tr>
<td>4IV-10</td>
<td>Fixed Attenuator</td>
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<td>34VFK50A</td>
<td>Precision Adapter, DC to 43.5 GHz, V (f) - K (m), 50Ω</td>
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Anritsu OTA Products Related Products

**Radio Communication Test Station MA8000A**

*All-in-One 5G RF Measurements and Protocol Tests*
- Flexible Platform using Modular Architecture
- Support both Standalone and non-Standalone modes

**New Radio RF Conformance Test System ME7873NR**

*Trust 5G conformance test system*
- Early 3GPP Compliant Test Case Release
- Support Global Mobile Terminals
- The System with Stable Measurement
- Measurement Functions for Efficient R&D

**5G NR Mobile Device Test Platform ME7834NR**

*All-in-One 5G NR Support for Protocol Conformance Tests and Carrier Acceptance Test*
- Supports 3GPP defined bands from Sub-6GHz to mm-Wave
- Support 5G New Radio (NR) Technology in both Standalone and Non-Standalone mode
- Support LTE, LTE-Advanced (LTE-A), LTE-A Pro, and W-CDMA
- Upgrade your current ME7834 system for 5G