

**Anritsu** Advancing beyond

# 5G Solutions Catalog

2023



5G Testing  
Anritsu



Supporting **5G**  
Anritsu Solutions



Anritsu continues,

**Timely, optimum, high-quality measurement solutions**  
**Extensive lineup and experience from Wireless to Wired leading to 3G, 4G to 5G**  
**Measurement solution corresponding to the utilization of 5G technology such as IoT, Automotive**

We will contribute to customer's 5G product development and future innovation of network.

**Contents**

---

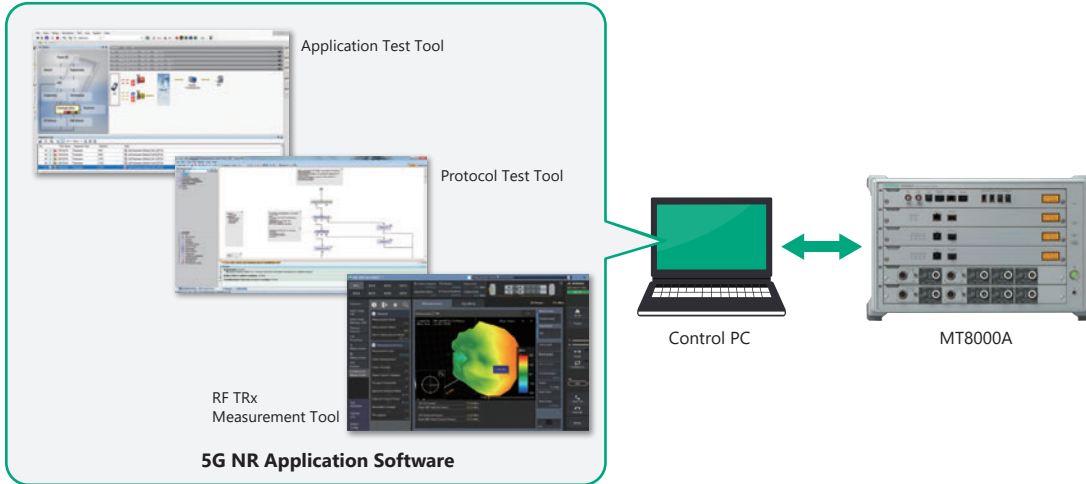
<b>Total Evaluation of 5G NR Chipsets and Device RF/Protocol/Application Performance .....</b>	<b>3</b>
<b>OTA Solutions for 5G NR Terminal Tests and Measurement Applications .....</b>	<b>4</b>
<b>5G NR Signal and Modulation Analyses .....</b>	<b>5</b>
<b>5G NR Passive Device Evaluations .....</b>	<b>5</b>
<b>3GPP RF Conformance Tests .....</b>	<b>6</b>
<b>3GPP Protocol Conformance and Carrier Acceptance Tests .....</b>	<b>6</b>
<b>For 5G NR Device Production Lines .....</b>	<b>7</b>
<b>For Various Network Testing Including 400 GbE Supporting 5G NR .....</b>	<b>7</b>
<b>5G Mobile Network eCPRI/RoE, Latency, and Clock Sync Measurements .....</b>	<b>8</b>
<b>5G Mobile Network Optical Module Evaluation .....</b>	<b>8</b>
<b>Active Optical Device Evaluation .....</b>	<b>9</b>
<b>5G Optical Fiber Network I&amp;M .....</b>	<b>9</b>
<b>5G NR Base-Station Field Performance Measurements and Coverage Mapping .....</b>	<b>10</b>
<b>5G Measuring Instruments and Components .....</b>	<b>11</b>

# Total Evaluation of 5G NR Chipsets and Device RF/Protocol/Application Performance

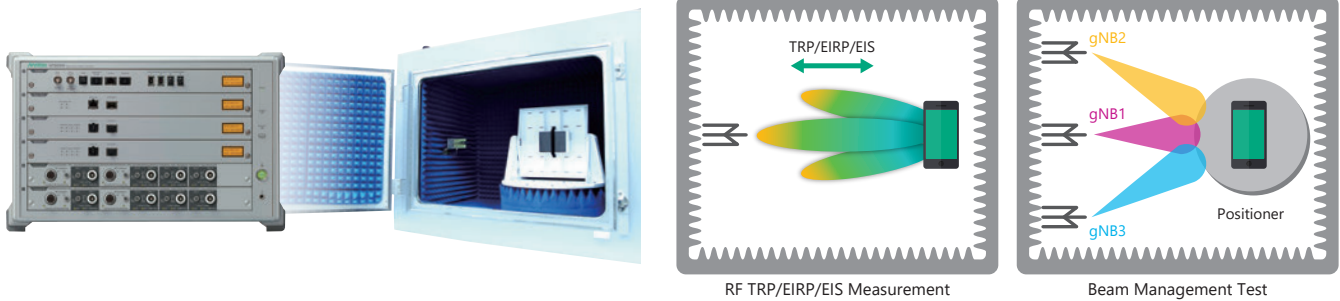
## Radio Communication Test Station MT8000A

### All-in-One 5G NR RF Measurements, Protocol Tests and Application Tests

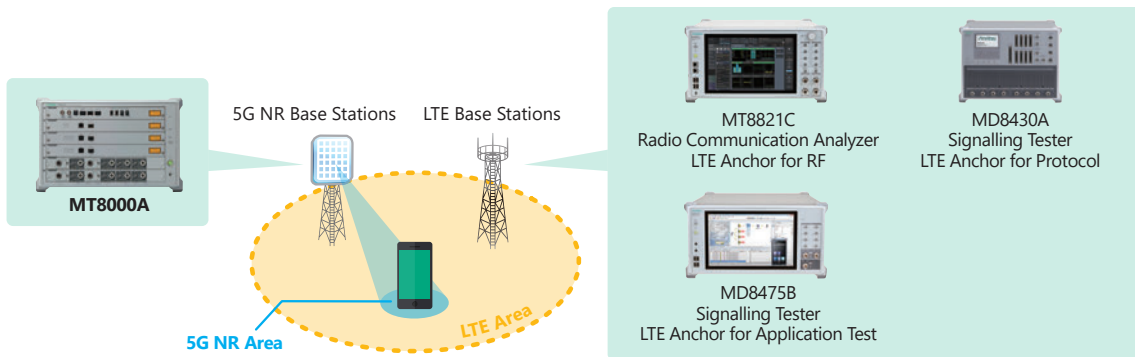
- RF, Protocol and Functional Tests with Choice of Measurement Modules for Test Applications



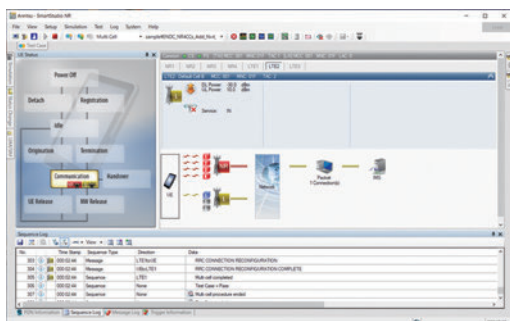
- From Sub-6 GHz to mmWave — RF Measurements and Beam-Forming Tests



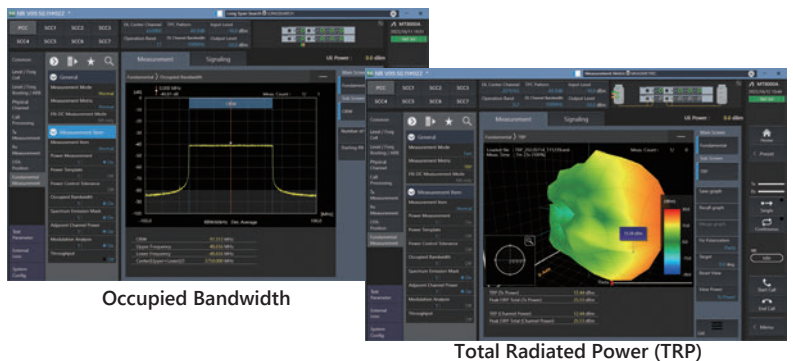
- Supports Current LTE Test Applications with Easy 5G-to-LTE NSA (Non-Standalone) Test Environment Configuration (For RF, Protocol and Application tests, it is also possible to build an LTE test environment using the MT8000A.)



- SmartStudio NR Simulates 5G/LTE Base Stations and Core Networks using State Machine GUI



- RF Tests Using Easy-to-Use High Visibility GUI

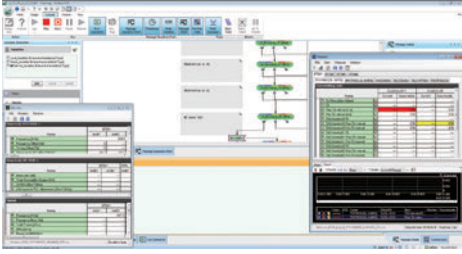




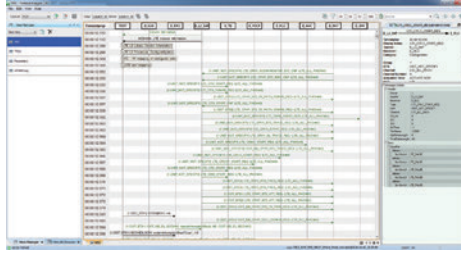
# Total Evaluation of 5G NR Chipsets and Device RF/Protocol Performance

## Radio Communication Test Station MT8000A

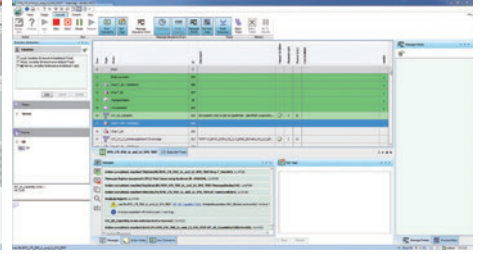
- Powerful Automated Protocol Test Support



Test Execution Screen (RTD)



Log Analysis Screen (RTD)



Consecutive Test Case Execution Example

<https://www.anritsu.com/test-measurement/products/mt8000a>



## OTA Solutions for 5G NR Terminal Tests and Measurement Applications

- Shield Box MA8161A**
- RF Chamber MA8171A**
- CATR Anechoic Chamber MA8172A**
- CATR Anechoic Chamber 2 MA8172B**

MA8161A: Simple OTA environment for mmWave protocol tests

MA8171A: Protocol test and measurement OTA environment for beam management, etc.

MA8172A: 3GPP-compliant Compact Antenna Test Range (CATR) method for mmWave R&D and Conformance tests

MA8172B: Supports 5G NR OTA environment using 3GPP-compliant Compact Antenna Test Range (CATR) method

Main Specification	MA8161A	MA8171A	MA8172A	MA8172B
Frequency	600 MHz to 6 GHz 24 GHz to 43.5 GHz	800 MHz to 3.8 GHz 24 GHz to 40 GHz	600 MHz to 87 GHz Angle of arrival: 1	600 MHz to 87 GHz Angle of arrival: 2
Dimensions (mm)	434 (W) × 271 (H) × 328 (D)	Main Frame Only 1460 (W) × 1210 (H) × 1000 (D) With Stand 1460 (W) × 1785 (H) × 1000 (D)	2200 (W) × 1980 (H) × 1200 (D)	2700 (W) × 1980 (H) × 1500 (D)

\* Range when frequency set to standard; excluding projections

<https://www.anritsu.com/test-measurement/mobile-wireless/shield-box>



MA8161A



MA8171A



MA8172A

# 5G NR Signal and Modulation Analyses

## Signal Analyzer MS2850A Vector Signal Generator MG3710E Signal Analyzer MS2690A

### Efficient and Accurate Evaluation of 5G Base Stations and UE RF Characteristics

- Excellent absolute amplitude accuracy, modulation accuracy and analysis bandwidth
- Optimum dynamic range with one-button EVM measurement
- Supports 5G NR TDD/FDD as well as LTE/LTE-A and WLAN digital modulation analysis

With an analysis bandwidth of 1 GHz max. and a frequency range of 9 kHz to either 32 GHz or 44.5 GHz, the low-cost Spectrum/Signal Analyzer MS2850A offers excellent cost performance for microwave and mmWave band communications systems, such as 5G. The built-in 5G measurement software in combination with a wide analysis bandwidth supporting for millimeter wave, excellent amplitude and phase flatness performance, and wide dynamic range support efficient, detailed and high-accuracy, efficient measurements.

The Vector Signal Generator MG3710E is a vector signal generator that can support two RF outputs with 6 GHz upper frequency limit and 160 MHz wide RF modulation. The built-in two RF outputs cuts equipment costs for receiver tests, such as Adjacent Channel Selectivity and Receiver Intermodulation, which require two modulation signal sources. The 3GPP TS 38.211, TS 38.212, and TS 38.213 5G NR sub-6 GHz waveform patterns can be generated.

The high-end Spectrum Analyzer MS2690A features excellent dynamic range for analysis of 5G NR Sub-6 GHz uplink and downlink signals as well as measurement of RF characteristics in combination with the 5G measurement software.

<https://www.anritsu.com/test-measurement/products/ms2850a>



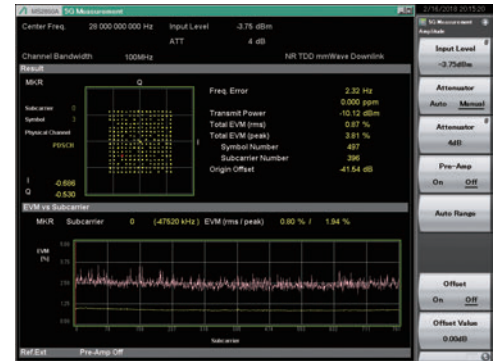
<https://www.anritsu.com/test-measurement/products/mg3710e>



Signal Analyzer MS2850A



Vector Signal Generator MG3710E



Basic MS2850A Measurement Screen (EVM vs. Subcarrier)

## 5G NR Passive Device Evaluations

### ShockLine Vector Network Analyzer (VNA) Series



#### Compact, Low-Cost VNA for S-Parameter Measurement and Time Domain Analyses

- Low cost compared to conventional VNA
- Compact design for easy use on production lines and laboratory benchtops

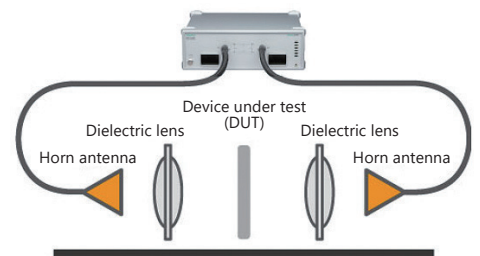
The Vector Network Analyzer ShockLine™ series is targeted at S-parameter measurements of RF, microwave, and mmWave components and devices as well as time-domain analyses. Its compact size and low cost make it ideal for both production-line and RND applications.



#### Usage: Measurement of material dielectric constant and loss tangent

- Configuring measurement systems using free space method without requiring anechoic chamber
- Measuring dielectric constant and loss tangent of materials used by 5G, etc.

<https://www.anritsu.com/test-measurement/support/resource-center/shockline>



## 3GPP RF Conformance Tests

### New Radio RF Conformance Test System ME7873NR

#### For 5G with 3G and 4G Reliability

- Supports 3GPP TS 38.521/TS 38.533 compliant 5G NR RF and RRM tests
- Supports both 5G NR standalone (SA) and non-standalone (NSA) modes
- Configure 5G NR Sub-6 GHz and mmWave band OTA test environment in combination with CATR Anechoic Chamber MA8172A/B
- Upgradeable from ME7873LA
- Continues to support W-CDMA/LTE/LTE-Advanced (LTE-A)/LTE-A Pro RF and Carrier Acceptance Tests (CAT)
- Easy customized RF test system configuration matching required conditions
- Registered with GCF/PTCRB as 5G NR test platform TP250 to support early time to market (TTM) 3GPP compliant terminal deployment

#### CATR Anechoic Chamber MA8172A CATR Anechoic Chamber 2 MA8172B

- Uses 3GPP-compliant Compact Antenna Test Range (CATR) method
- 3-minute disassembly for transport with excellent portability and fast setup time
- Supports automatic temperature environmental tests
- Supports 2AoA RRM test (MA8172B)

<https://www.anritsu.com/test-measurement/products/me7873nr>



ME7873NR



MA8172B

## 3GPP Protocol Conformance and Carrier Acceptance Tests

### 5G NR Mobile Device Test Platform ME7834NR

#### All-in-One Support for Both 5G NR Protocol Conformance Tests and Carrier Acceptance Tests

- Supports 3GPP TS 38.523 compliant 5G NR protocol tests
- Supports both 5G NR standalone (SA) and non-standalone (NSA) modes
- Supports 5G NR Sub-6 GHz and mmWave band OTA tests in combination with RF Chamber MA8171A and RF converter
- Upgradeable from ME7834LA
- Continues to support multiple Radio Access Technologies (RAT) including W-CDMA/LTE/LTE-Advanced (LTE-A)/LTE-A Pro, etc.
- Registered with GCF/PTCRB as 5G NR test platform TP250 to support early time to market (TTM) 3GPP compliant terminal deployment

#### RF Chamber MA8171A

- For both RF measurements and Protocol tests
- Configure automated 5G NR Protocol test system in OTA environment in combination with ME7834NR

<https://www.anritsu.com/test-measurement/products/me7834nr>



ME7834NR



MA8171A



## For 5G NR Device Production Lines

### Universal Wireless Test Set MT8870A

#### Complex Testing and Evaluation of Smartphones and Tablets Supporting 5G NR and Other Wireless Communications Standards

- Low-cost, high-speed measurement for production lines with futureproof expandability
- Supports various wireless communications standards in addition to 5G NR Sub-6 GHz

**Reduced Costs**

- Up to four test modules in one main frame
- Low-cost modular design
- Stable platform for long-term production-line operation



**Faster Measurement**

- Fast CPU and large memory built into each test module
- Supports latest fast measurement technologies
  - Ping-Pong Measurement
  - Multi DUT Measurement Scheduler
  - TRx Parallel Measurement

**Futureproof Expandability**

- Expandable platform supporting various wireless standards by adding software
- High-performance hardware supporting future wireless standards
  - 10 MHz to 6 GHz
  - 160 MHz bandwidth



<https://www.anritsu.com/test-measurement/products/mt8870a>



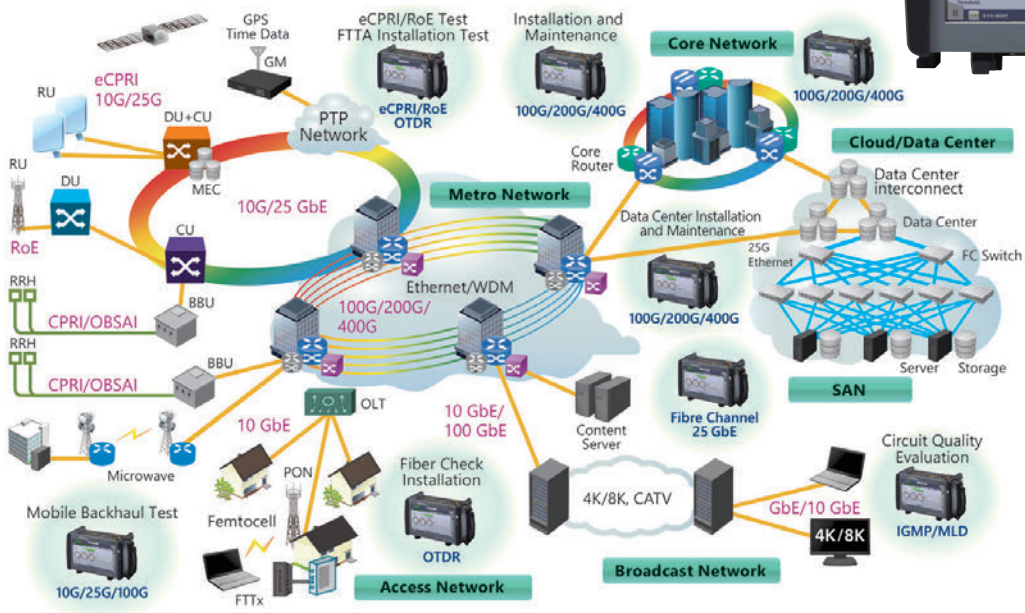
## For Various Network Testing Including 400 GbE Supporting 5G NR

### Network Master Pro MT1040A



#### Battery Powered Tester for Network Field Evaluations Including 400G Ethernet

- One unit supports multiple standards, including OTN, eCPRI/RoE, Fibre Channel
- Optical fiber line measurement with OTDR module. Simple optical module check function
- Built-in 400G Ethernet FEC analysis function
- Easy-to-use GUI with 9-inch touchscreen for better operability
- More efficient work with automated-measurement tools supporting one-button tests



<https://www.anritsu.com/test-measurement/products/mt1040a>



# 5G Mobile Network eCPRI/RoE, Latency, and Clock Sync Measurements

## Network Master Pro MT1000A

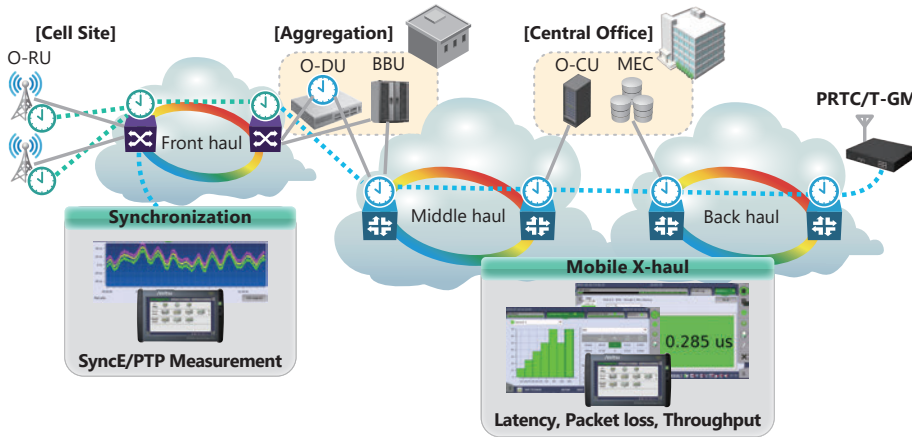
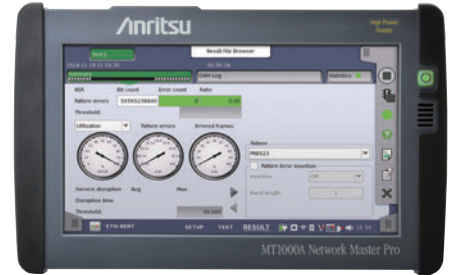


With support for the eCPRI/RoE, accurate latency, and PTP clock synchronization measurements, the Network Master Pro MT1000A is the ideal solution for deploying faster and lower-latency 5G mobile networks.

### Mobile X-haul Test Solution

Conventional network architecture is being re-designed for 5G. The keys to the evolution of 5G services are adoption of O-RAN ALLIANCE open-interface standards as well as support for multivendor-supply of base-station node configurations. The MT1000A supports Ethernet bit rates up to 100 Gbps used by Mobile X-haul links. It facilitates eMBB, uRLLC and mMTC implementation by evaluating line performance, such as latency, packet jitter, packet loss rate, and throughput, between base-station nodes.

In addition, synchronization tests are supported by a built-in atomic-clock option. The quality of the S-Plane (synchronization plane) through a multivendor Virtual RAN configuration can also be evaluated.



<https://www.anritsu.com/test-measurement/solutions/mt1000a-05/index>



# 5G Mobile Network Optical Module Evaluation

## BERTWave™ MP2110A



One unit supports Eye Pattern analysis and BER measurement of optical modules used by 5G mobile fronthaul, middle-haul, and backhaul. The sampling oscilloscope optical channels cover signals from 10G NRZ to 53 Gbaud PAM4.

### Sampling Oscilloscope

- Install up to 4ch
- Fast speed of 250 ksamples/s max. High-speed measurement at 1 million samples (msa) per 5 seconds
- High sensitivity of -15 dBm (typ., SMF)
- Wide bandwidth: Optical 35 GHz (SMF) and 25 GHz (MMF); Electrical 40 GHz
- Low Jitter of 200 fs rms (typ.)
- Both NRZ and PAM4 signal analyses at up to 53 Gbaud for PAM4
- Built-in clock recovery unit supporting both NRZ and PAM4
- NRZ Jitter type analysis
- Easy, fast, high-sensitivity PAM4 TDECQ measurements

### BERT

- Install up to 4ch
- Low-Jitter (600 fs rms typ.) PPG
- High-Sensitivity (25 mV typ.) ED

<https://www.anritsu.com/test-measurement/products/mp2110a>





# Active Optical Device Evaluation

## Optical Spectrum Analyzer MS9740B

**Efficient Mass-Production of Active Optical Devices used by Optical Fiber Communications for Next-Generation 5G Mobile and Cloud Services**  
**Simultaneous Wide Dynamic Range and Fast Measurements for Optical Rx Bandwidths used by Most Customers**

- SMSR measurement of better than 45 dB
- Fast measurement processing time\* (0.35 s for 30 nm wavelength sweep)

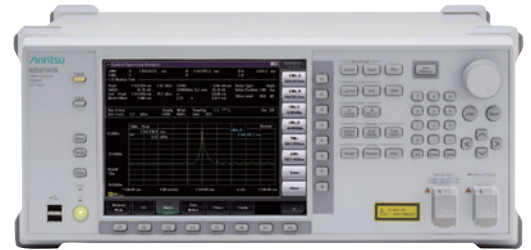
**Keeps Same Basic Performance and Functions as Previous Models for Production-Line Compatibility**

- Wide wavelength band (600 nm to 1750 nm) supporting evaluation of all active optical devices
- Measurement application menus for active optical devices, including LD modules, WDM, etc.

**All-in-One Support for SMF and MMF**

\*: Sweeping in Fast mode; continuous time for wavelength sweep, analysis, and transfer to remote server

<https://www.anritsu.com/test-measurement/solutions/ms9740b-501/index>



## 5G Optical Fiber Network I&M

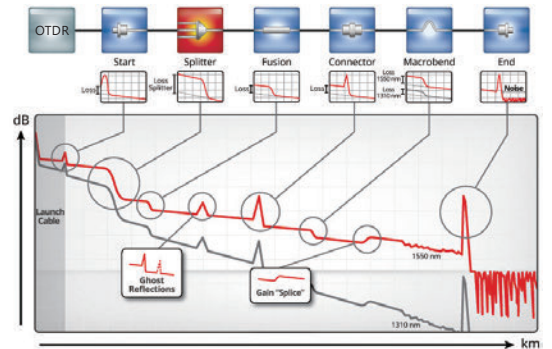
**ACCESS Master (OTDR, Optical Time Domain Reflectometer) MT9085 Series**

+ FiberVisualizer

**μOTDR Module™ (OTDR, Optical Time Domain Reflectometer) MU909014/MU909015**

Network Master + FiberVisualizer

With functions for detecting and measuring PON optical splitters used by mobile fronthaul as well as for measuring events, such as fiber loss and reflections, in 5G mobile networks with high accuracy, plus a unique detection algorithm for easy display of measurement results, the ACCESS Master MT9085 series and μOTDR Module™ MU909014/MU909015 are ideal for deploying large-capacity 5G mobile network infrastructure. Moreover, for greatly improved operability, the MT9085 series adds a touch screen to its predecessor's popular rotary knob and hard keys.



**ACCESS Master MT9085 series**

**850 nm/1300 nm (MM), 1310/1490/1550/1625/1650 nm (SM)**

- 8-inch LCD with easy visibility even in direct sunlight
- Better work efficiency with synergy of LCD touchscreen, rotary knob, and dedicated hard keys
- Easy-to-Use Fiber Visualizer function for simple fiber path analysis
- PON network measurements for up to 1 × 128 branches

<https://www.anritsu.com/test-measurement/solutions/mt9085series-501/index>



**μOTDR Module™ MU909014/MU909015**

**1310/1490/1550 nm plus filtered 1650 nm or 1625 nm**

- High-performance OTDR in a pocket-size package with unique battery operation
- Tri-wavelength OTDR for both installation and maintenance
- 1310/1490/1550 nm plus filtered 1650 nm or 1625 nm
- Built-in PON power meter, loss test set and light source function
- "Fiber Visualizer" mode simplifies operation, no OTDR knowledge needed
- Bluetooth, WLAN and Ethernet connectivity

<https://www.anritsu.com/en-au/test-measurement/products/mu909014c-14c6-15c-15c6>



# 5G NR Base-Station Field Performance Measurements and Coverage Mapping

## Field Master Pro™ MS2090A Field Master™ MS2080A

The rapid introduction of 5G NR networks requires an instrument that can validate the performance of gNB base stations quickly in a field environment. In both the Sub-6 GHz (FR1) and millimeter-wave (mmWave) (FR2) bands, the adoption of active antenna systems means that new test methods need to be considered. Some radios may have test monitor ports integrated, but many operators will make gNB transmitter measurements over-the-air (OTA). The Field Master series also supports LTE FDD/TDD measurements used in testing of non-standalone networks.

### 5G RF Measurements

- Unwanted emissions
- Occupied bandwidth
- Adjacent channel leakage ratio
- Transmitter spurious and harmonics
- Carrier aggregation (up to 8 carriers)
- Multi-beam measurements: up to 64 beams
- Multi PCI measurements: multiple physical cell IDs
- EIRP: to 3GPP TS 38.141-2

### 5G Demodulation Measurements

- Physical cell ID, sector ID
- Cell group
- Frequency error
- Time offset
- SS-RSRP (dBm), SS-RSRQ (dB), SS-SINR (dB)
- Sync and demod status indicators
- Block measurements (PSS, SSS, PBCH, PBCH-DMRS)
- Average EVM, Peak EVM (@subcarrier/symbol)
- Beam power (dBm)
- PBCM constellation

<https://www.anritsu.com/test-measurement/products/ms2090a>



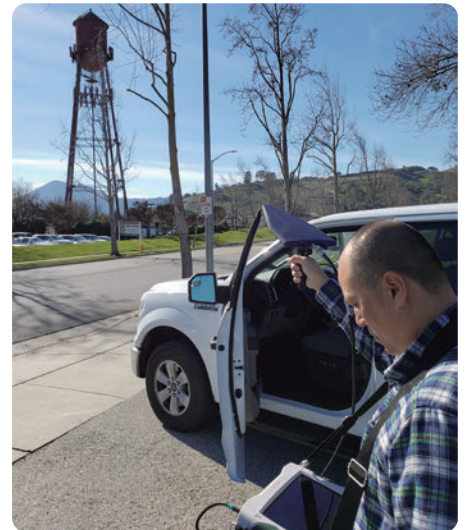
[https://www.anritsu.com/test-measurement/products/ms2080A](https://www.anritsu.com/test-measurement/products/ms2080a)



MS2090A



MS2080A



# 5G Measuring Instruments and Components

## Power Sensor MA2400/MA24000 Series

### Full Line of Power Sensors for 5G NR Sub-6 GHz and mmWave Measurements

- Power Master™ Frequency Selectable mmWave Power Analyzer MA24507A (9 kHz to 70 GHz, V (m) connector)
- Power Master™ Frequency Selectable mmWave Power Analyzer MA24510A (9 kHz to 110 GHz, W (m) connector)
- USB Peak Power Sensor MA24406A (50 MHz to 6 GHz, VBW 195 MHz max. N (m) connector)
- USB Peak Power Sensors MA2444xA Series (50 MHz to 40 GHz, K (m) connector)
- Microwave Universal USB Power Sensor MA24218A (10 MHz to 18 GHz, N (m) connector)
- Microwave Universal USB Power Sensor MA24208A (10 MHz to 8 GHz, N (m) connector)
- Microwave USB Power Sensor MA24108A (10 MHz to 8 GHz, N (m) connector)
- Universal Power Sensors (Average) MA248xD Series (10 MHz to 18 GHz, N (m) connector)



<https://www.anritsu.com/test-measurement/rf-microwave/power-sensors>



## RF/Microwave/mmWave Components

### Full Line of Connectors, Cables, and Adapters for 5G NR mmWave Measurements

Anritsu plays a pioneering role in microwave connector high-frequency technologies with a focus on meeting customers' requirements. With a product family of test equipment supporting frequencies up to 40 GHz, Anritsu also manufactures K Connectors™ for use up to 40 GHz as well as Extended-K Connectors™ up 43.5 GHz.

What sets Anritsu connector and component technology apart from other manufacturers is that Anritsu is committed to providing the best performance possible for 5G applications. Not only has 5G NR affected Sub-6 GHz frequencies, it has also found a home in the microwave spectrum at 26 GHz to 28 GHz as well as the upcoming 37 GHz to 43.5 GHz.

Anritsu provides repeatability and an accurate uncertainty budget by offering components that are mode-free and traceable to 43.5 GHz.



<https://www.anritsu.com/components-accessories>





- **United States**

- **Anritsu Americas Sales Company**

450 Century Parkway, Suite 190, Allen, TX 75013 U.S.A.  
Phone: +1-800-Anritsu (1-800-267-4878)

- **Canada**

- **Anritsu Electronics Ltd.**

- **Americas Sales and Support**

450 Century Parkway, Suite 190, Allen, TX 75013 U.S.A.  
Phone: +1-800-Anritsu (1-800-267-4878)

- **Brazil**

- **Anritsu Eletronica Ltda.**

Praça Amadeu Amaral, 27 - 1 Andar  
01327-010 - Bela Vista - Sao Paulo - SP, Brazil  
Phone: +55-11-3283-2511  
Fax: +55-11-3288-6940

- **Mexico**

- **Anritsu Company, S.A. de C.V.**

Bldv Miguel de Cervantes Saavedra #169 Piso 1, Col. Granada  
Mexico, Ciudad de Mexico, 11520, MEXICO  
Phone: +52-55-4169-7104

- **United Kingdom**

- **Anritsu EMEA Ltd.**

200 Capability Green, Luton, Bedfordshire, LU1 3LU, U.K.  
Phone: +44-1582-433200  
Fax: +44-1582-731303

- **France**

- **Anritsu S.A.**

12 avenue du Québec, Immeuble Goyave,  
91140 VILLEBON SUR YVETTE, France  
Phone: +33-1-60-92-15-50

- **Germany**

- **Anritsu GmbH**

Nemetschek Haus, Konrad-Zuse-Platz 1,  
81829 München, Germany  
Phone: +49-89-442308-0  
Fax: +49-89-442308-55

- **Italy**

- **Anritsu S.r.l.**

Spaces Eur Arte, Viale dell'Arte 25, 00144 Roma, Italy  
Phone: +39-6-509-9711

- **Sweden**

- **Anritsu AB**

Kistagången 20 B, 2 tr, 164 40 Kista, Sweden  
Phone: +46-8-534-707-00

- **Finland**

- **Anritsu AB**

Technopolis Aviapolis, Teknobulevardi 3-5 (D208.5),  
FI-01530 Vantaa, Finland  
Phone: +358-20-741-8100

- **Denmark**

- **Anritsu A/S**

c/o Regus Winghouse, Ørestads Boulevard 73, 4th floor,  
2300 Copenhagen S, Denmark  
Phone: +45-7211-2200

- **Spain**

- **Anritsu EMEA Ltd.**

- **Representation Office in Spain**

Paseo de la Castellana, 141. Planta 5, Edificio Cuzco IV  
28046, Madrid, Spain  
Phone: +34-91-572-6761

- **Austria**

- **Anritsu EMEA GmbH**

Am Belvedere 10, A-1100 Vienna, Austria  
Phone: +43-(0)1-717-28-710

- **United Arab Emirates**

- **Anritsu EMEA Ltd.**

- **Anritsu A/S**

Office No. 164, Building 17, Dubai Internet City  
P. O. Box – 501901, Dubai, United Arab Emirates  
Phone: +971-4-3758479

- **India**

- **Anritsu India Private Limited**

6th Floor, Indiqube ETA, No.38/4, Adjacent to EMC2,  
Doddanekundi, Outer Ring Road, Bengaluru – 560048, India  
Phone: +91-80-6728-1300  
Fax: +91-80-6728-1301

- **Singapore**

- **Anritsu Pte. Ltd.**

11 Chang Charn Road, #04-01, Shriro House, Singapore 159640  
Phone: +65-6282-2400  
Fax: +65-6282-2533

- **Vietnam**

- **Anritsu Company Limited**

16th Floor, Peakview Tower, 36 Hoang Cau Street, O Cho Dua Ward,  
Dong Da District, Hanoi, Vietnam  
Phone: +84-24-3201-2730

- **P.R. China (Shanghai)**

- **Anritsu (China) Co., Ltd.**

Room 2701-2705, Tower A, New Caohejing International  
Business Center No. 391 Gui Ping Road Shanghai, 200233, P.R. China  
Phone: +86-21-6237-0898  
Fax: +86-21-6237-0899

- **P.R. China (Hong Kong)**

- **Anritsu Company Ltd.**

Unit 1006-7, 10/F., Greenfield Tower, Concordia Plaza,  
No. 1 Science Museum Road, Tsim Sha Tsui East,  
Kowloon, Hong Kong, P.R. China  
Phone: +852-2301-4980  
Fax: +852-2301-3545

- **Japan**

- **Anritsu Corporation**

8-5, Tamura-cho, Atsugi-shi, Kanagawa, 243-0016 Japan  
Phone: +81-46-296-6509  
Fax: +81-46-225-8352

- **Korea**

- **Anritsu Corporation, Ltd.**

5FL, 235 Pangyoeyeok-ro, Bundang-gu, Seongnam-si,  
Gyeonggi-do, 13494 Korea  
Phone: +82-31-696-7750  
Fax: +82-31-696-7751

- **Australia**

- **Anritsu Pty. Ltd.**

Unit 20, 21-35 Ricketts Road, Mount Waverley, Victoria 3149, Australia  
Phone: +61-3-9558-8177  
Fax: +61-3-9558-8255

- **Taiwan**

- **Anritsu Company Inc.**

7F, No. 316, Sec. 1, NeiHu Rd., Taipei 114, Taiwan  
Phone: +886-2-8751-1816  
Fax: +886-2-8751-1817