# 50th Anniversary

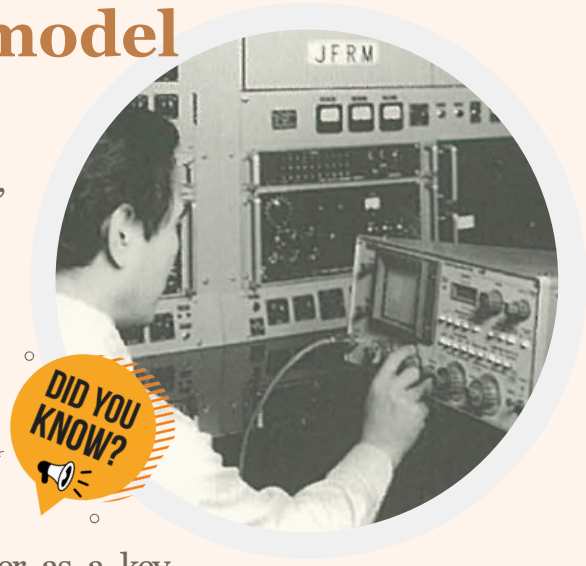
Anritsu

**Spectrum Analyzer**
**Since 1974**

**Anritsu's spectrum analyzers have consistently evolved with advancements in technology. For half a century, Anritsu has pushed the boundaries of testing and measurement technology in areas such as wireless communications, broadcasting, and electronics. Our extensive experience in delivering reliable solutions for development, manufacturing, and maintenance across various industries makes us committed to creating products that drive smarter societies and contribute to a sustainable future.**

## 1974 Market entry and first model

In 1974, Anritsu entered the spectrum analyzer market with the launch of the MS62A, covering a frequency range of 100kHz to 1,700 MHz. At the time, spectrum analyzers were expensive and difficult to operate. However, the MS62A stood out with its stable performance and user-friendly operability, earning widespread adoption and establishing itself as a cornerstone product for Anritsu.




Development story: We developed our original broadband mixer as a key component to realize the MS62A. This was a groundbreaking technology at the time, and it became the basic technology for our spectrum analyzers and was utilized in succeeding models.

**MS62A**

## 1983 Easy operation with MPU and Auto-tune

In 1983, Anritsu developed the MS611A, a high-performance instrument featuring a synthesizer-based local signal source for high-resolution measurements carrier signal close-in. With its built-in MPU, the MS611A enabled remote control of settings and automated measurements. Its standout feature, Auto-Tune, further improved efficiency by automatically detecting target signals and adjusting parameters accordingly.

**MS611A**

## 1984 Microwave support

In the early 1980s, amid the liberalization of the telecommunications industry and the growing use of microwaves in consumer electronics, Anritsu developed the MS710A. By utilizing an external mixer, it supported frequencies up to 140 GHz and featured enhanced marker functions. With excellent cost performance, it was widely used for building and maintaining microwave links and was exported globally.

**MS710A**

70's ~ 80's

50 ANNIVERSARY

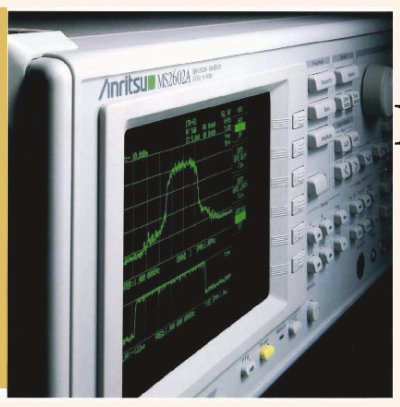
## A Pioneer in Compact RF Instrument

MS2601A(1988)

The MS2601A, with an upper frequency limit of 2.2 GHz, achieved affordability and compactness through the use of hybrid ICs and optimized circuit design. Equipped with a built-in Personal Test Automation (PTA) function, it allowed users to create custom measurement programs. It was widely used in applications such as TV tuner production, wireless equipment manufacturing and maintenance, and EMC testing. Local production was initiated to serve the European market.

DID YOU KNOW?

Development story: Unusually for a spectrum analyzer, MS2601A used a highly visible amber-colored screen display. It also equipped the patented zone marker function for the first time. This convenient function, which allows users to set an arbitrary frequency range and automatically detect peak values within that range, has been well received by many customers.




MS2602A(1992)

## First Model Supporting Digital Wireless Communication

The MS2602A, supporting an upper frequency of 8.5 GHz, was designed with enhanced trigger and high-speed sweep functions to meet the demands of digitization for mobile phones. It was widely used in the construction of digital mobile base stations and the manufacturing of mobile handset, establishing a solid technical foundation for digital wireless systems.

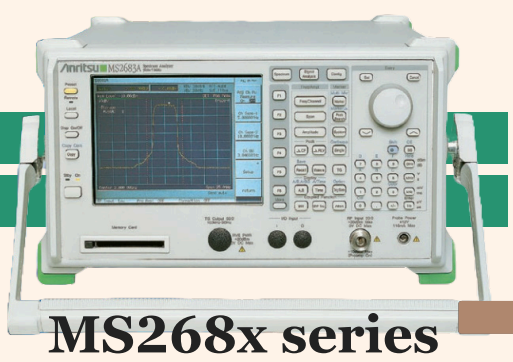
## Our first portable, compact Instrument

MS266x series

In the late 1990s, the MS266x series was introduced, offering the compact size and lightweight design needed for installing and maintaining radio and relay stations. With the expansion of millimeter-wave use and growing demand for applications such as LMDS, wireless LAN, and ITS, the series supported frequencies up to 40 GHz. With versatile options, competitive pricing, and reliable performance, it has been widely adopted by U.S. government agencies and broadcasters in Europe and India.

## Related Models supporting next-generation wireless communications and broadcasting

In early 2000s, with the start of 3G, mobile communications took off earnestly and Wireless LAN became widespread, accelerating the speed and diversification of wireless communications. In addition, the transition from analog to digital broadcasting is in full swing in many countries. To meet these diverse needs, we launched spectrum analyzer MS268xA series, digital mobile radio transmitter tester MS8609A, and digital broadcast signal analyzer MS8901A.



MS268x series

The MS268xA offers a wide dynamic range, wide resolution bandwidth, and high-speed sweep, supporting transmission evaluation for standards like wireless LAN and W-CDMA.


MS8608A/MS8609A

The MS8608/09A is highly trusted in Japan for W-CDMA base station construction and maintenance.


MS8901A

Combining RF microwave and DSP technology, the MS8901A has secured a strong position in the broadcasting market in Japan.

DID YOU KNOW?

## From General-Purpose to Specialized

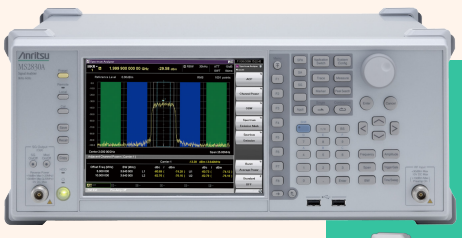
Development Story: These models are iconic products that have expanded our market presence. By identifying specific needs, Anritsu expanded the product lineup from general-purpose to specialized models. Based on the MS268xA, the MS860xA was developed for the telecommunications market, and the MS8901A for the broadcasting market, building up many achievements in their respective fields.

80's ~ 00's

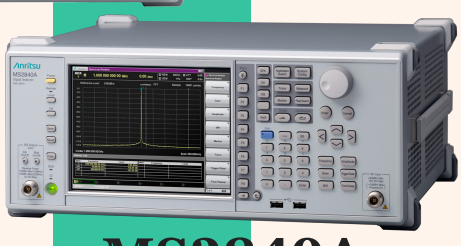
# First high-end series

The MS269x series offers top-level measurement accuracy and a wide dynamic range. Released during the 3G expansion, it supports higher frequencies and wider bandwidths for mobile communication systems. With a built-in signal generator, it handles transmission and receiver testing, as well as amplifier measurements, in a single unit. It also includes a high-speed, high-accuracy signal analyzer using wideband FFT analysis and digitizing functions. Widely adopted by major international base station vendors.

**MS269x series (2007)**



**MS2830A**



**MS2840A**

**MS2850A**

# Evolving Product Lineup

The MS2830A combines excellent cost effectiveness with easy operation, supporting digital radio devices, commercial radio equipment, and IoT modules. The MS2840A, with best-in-class phase noise performance, is ideal for radar and mobile backhaul. The MS2850A meets the needs of 5G and satellite communications, offering reliable performance for next-generation broadband and multi-carrier systems. These models address evolving technologies and diverse requirements.

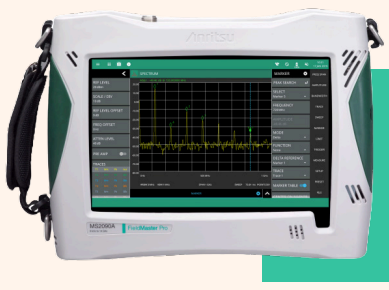
# Handheld Innovators

The MS2711A, the industry's first handheld model, offers both portability and high performance. With its lightweight, durable design and battery operation, it eliminates the need for an AC/DC power supply, enabling precise measurements anytime, anywhere. This innovative product has earned widespread acclaim as a reliable tool for quickly and easily diagnosing, identifying, recording, and resolving communication system issues.

**MS2711A**

# Current Handheld Models

The current lineup includes the MS2090A, equipped with advanced real-time spectrum analyzer capabilities, the popular MS2720T, and the MS276xA series, supporting frequencies up to 170 GHz. These models offer flexible options tailored to various applications and budgets.



**MS2090A**

# Assisting in Detecting Radio Interference a Optimizing Frequency Usage

**MS2720xA Series**

Remote spectrum monitors are designed for long term monitoring of wave interference and communication problems caused by illegal radios in the rapidly growing wireless communication environment. Identifies problematic signals to improve network stability and efficient use of radio resources. High-performance models optimized for monitoring land mobile radio systems (LMR), cellular, satellite communications, and defense frequency bands.

# World's first ultraportable mmWave spectrum analyzer

The MS276xA series, powered by Anritsu's patented NLTL technology, delivers unmatched price/performance, offering full broadband coverage from 9 kHz to 170 GHz with excellent dynamic range and DANL. Its compact design is ideal for advanced millimeter-wave applications such as radio astronomy, automotive radar, and antenna testing, while supporting R&D across the entire D-band spectrum.

**MS277xA series**

# Testing Today, Building Tomorrow

For 50 years, Anritsu's spectrum analyzers have advanced alongside the evolution of wireless communications. Looking ahead, we are dedicated to driving the development of next-generation technologies, including 6G, and delivering innovative solutions that create new value for society. With our focus on the next 50 years, we will continue to embrace challenges and shape the future.

50 ANNIVERSARY

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2000s ~