Anritsu Advancing beyond

Wireless Connectivity Test Set
MT8862A

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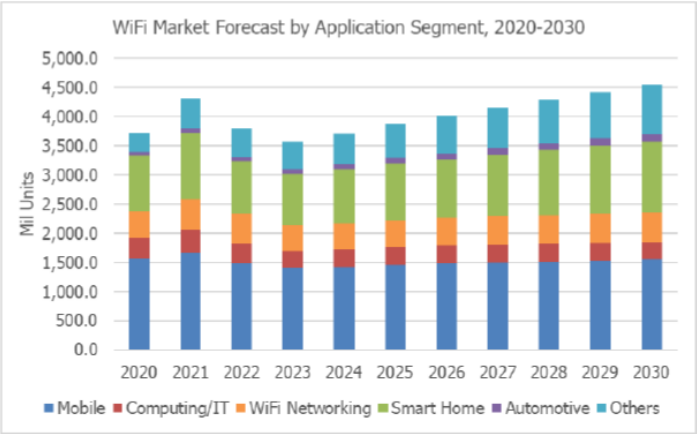
- Market Trend & Solutions
- MT8862A Product Introduction
- MT8862A Latest Features
- MT8862A Applications



Market Trend & Solutions

Spread of Wireless LAN and Demand for Testing

Growing segments of WLAN market

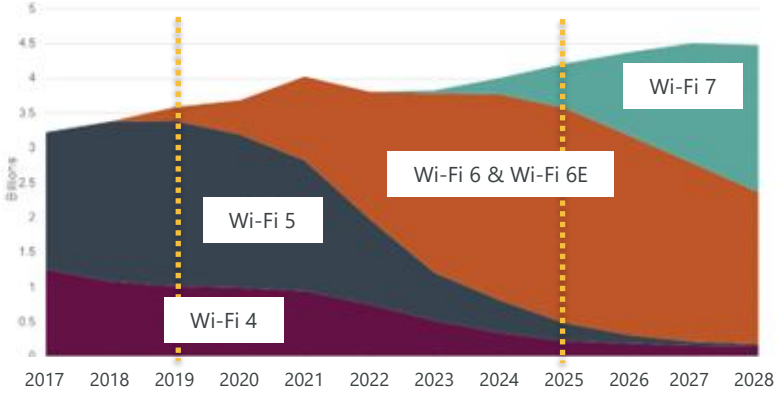


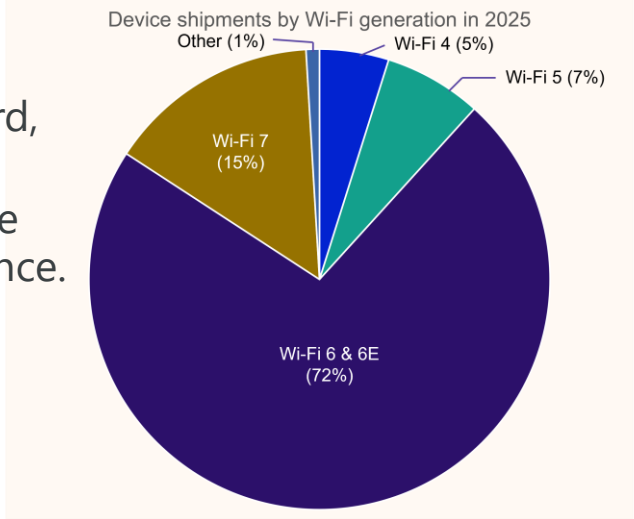
WLAN is being incorporated into all kinds of devices around us, not just mobile and computing devices, but in smart homes, automotive, wearables, and more. The number of IoT devices is increasing year by year, and the market is expected to continue expanding in the future.

Source：Techno System Research: 2024 Wireless Connectivity Market Analysis

IEEE 802.11ax/be adoption and OTA testing

Currently, 11ax (Wi-Fi 6/6E) is the mainstream WLAN standard, with 11be (Wi-Fi 7 and beyond) also gaining popularity. The expansion of WLAN standards' frequency bands and rates are driving demand for over-the-air (OTA) tests in quality assurance.





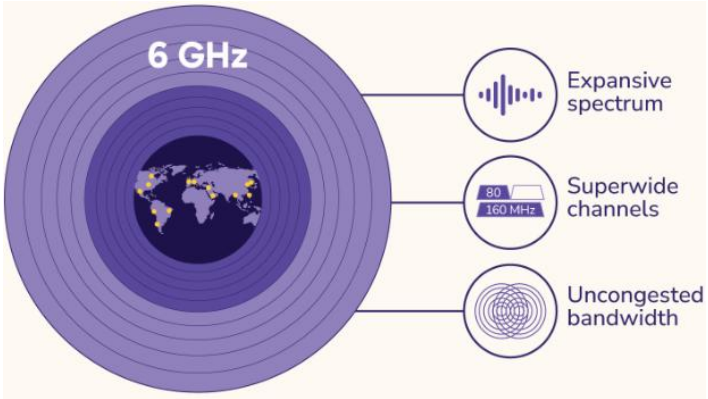
Source：Powering a connected world: Wi-Fi® momentum in 2025 | Wi-Fi Alliance

Source：The state of connectivity: Wi-Fi® momentum in 2024 | Wi-Fi Alliance

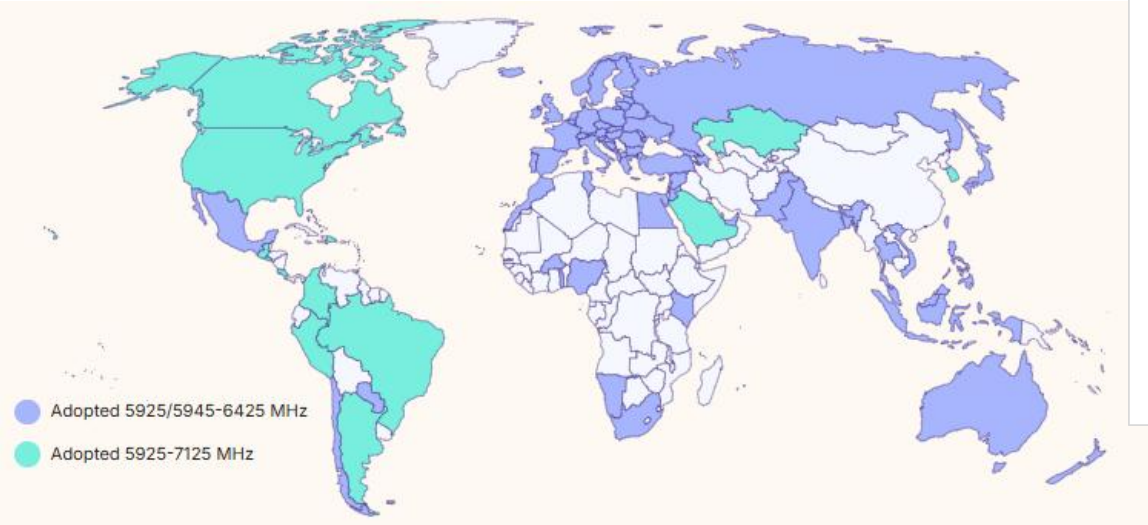
Wireless LAN Market Trend: 6 GHz Band

Opening of the 6 GHz band worldwide

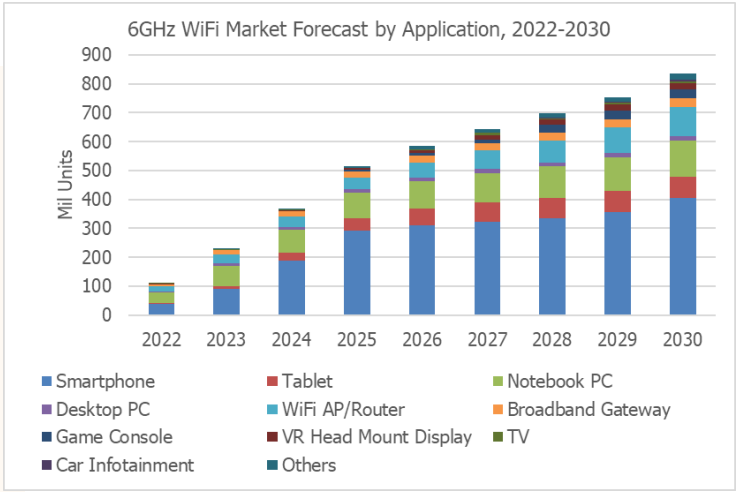
Adoption of the 6 GHz band is expected to improve performance due to the increased number of channels and wider bandwidth. The 5925-7125 MHz band has already been adopted in the US, Canada, South America, and South Korea, with the 5925-6425 MHz band also being adopted in the EU, UK, India, and Japan. Shipments of devices compatible with the 6 GHz band are also increasing and are expected to reach approximately 500 million units by 2025 and over 800 million units by 2030.



Source : Regulatory & Policy Center | Wi-Fi Alliance



Source : Regulations Enabling 6 GHz Wi-Fi | Wi-Fi Alliance



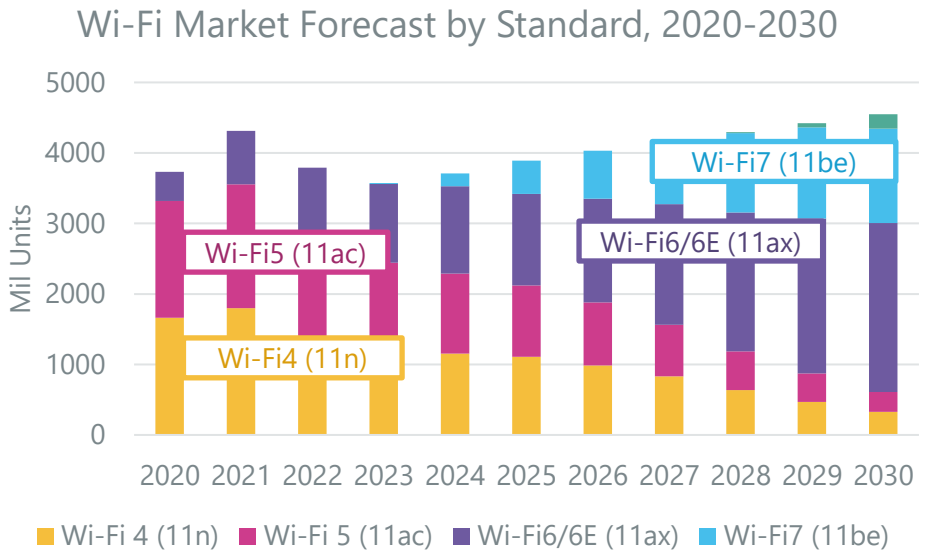
Source : Techno System Research: 2024 Wireless Connectivity Market Analysis

Wireless LAN Market Trend: IEEE 802.11be (Wi-Fi 7)

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Spread of Latest Standard IEEE 802.11be (Wi-Fi 7)

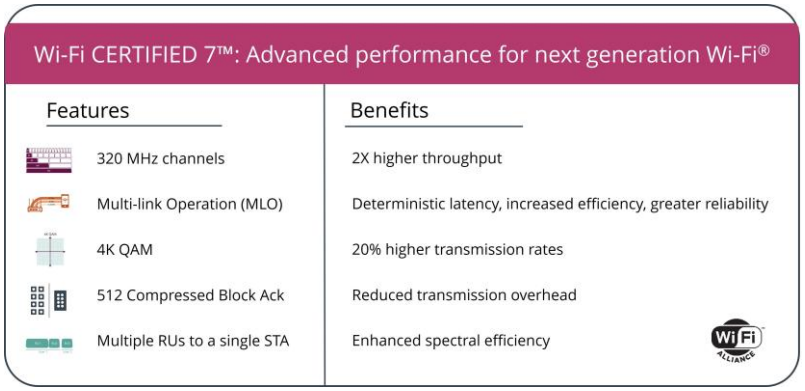
Standardization of IEEE 802.11be was completed at the end of 2024, and the Wi-Fi Alliance has begun certification testing for Wi-Fi 7, with compatible devices now shipping. IEEE 802.11be (Wi-Fi 7) and IEEE 802.11ax (Wi-Fi 6/6E) are becoming the mainstream for WLAN.



参照：Techno System Research: 2024 Wireless Connectivity Market Analysis

Use Cases and Key Technologies

Wi-Fi 7 is designed for use cases such as ultra-high definition video streaming and multi-user AR/VR/XR and employs advanced technologies such as 320 MHz bandwidth and 4K QAM to achieve high throughput and low latency.





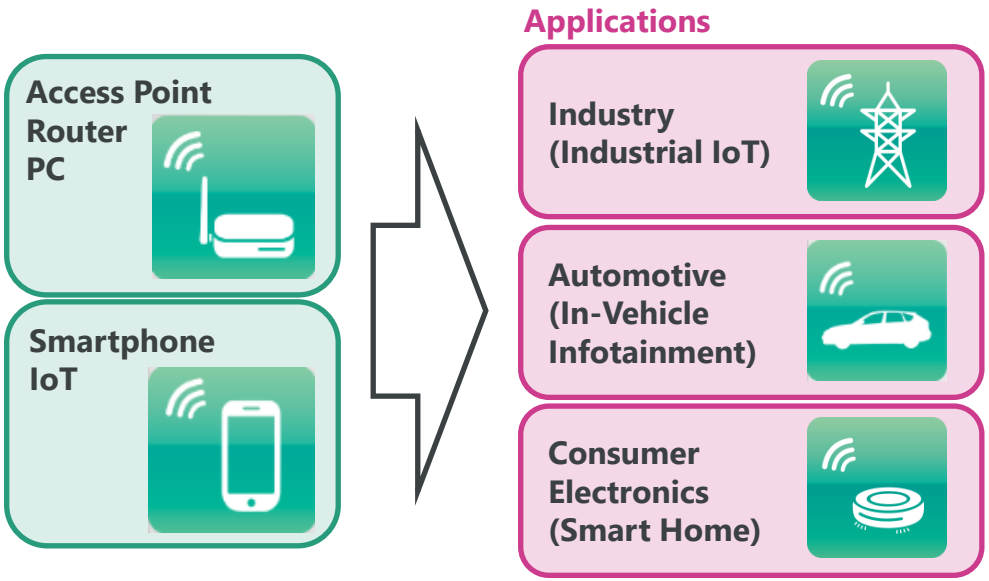
Source : Wi-Fi CERTIFIED 7™ Highlights

Expanding WLAN Applications & Increasing Device Complexity

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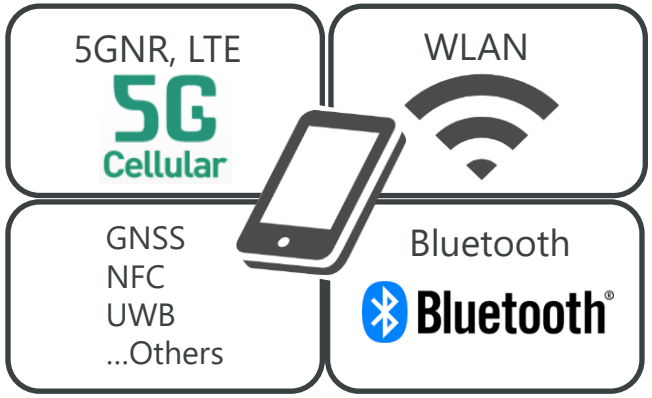
Expanding WLAN applications

WLAN applications are expanding, and usage environments and quality requirements are changing. On this background OTA test with network mode is paid a lot of attention.



Increasing device complexity

Devices are using more wireless technologies and antennas year-by-year, increasing device complexity. Therefore, shipping products need evaluation more than ever.



Solutions from Development to Production

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	Product Development	Design Verification	Prototyping	Mass Production
WLAN Devices	 **Wireless Connectivity Test Set MT8862A**		 Universal Wireless Test Set MT8870A	
Bluetooth Devices	 Bluetooth Test Set MT8852B		 Universal Wireless Test Set MT8870A	

Anritsu offers measurement solutions for every stage.

Changing Mode Tailored to Use

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MT8862A supports two measurement modes that allow selection according to measurement needs.



Wireless Connectivity Test Set
MT8862A

	Network Mode	Direct Mode
Advantage	Easy test environment with no DUT control because measured using standard connection	Fast measurement because DUT controlled directly from external PC and optimized for mass production
Disadvantage	Takes time to establish connection	Requires DUT control
Use	Product development Design validation End-product verification	Prototyping Product development

MT8862A Product Introduction

MT8862A Product Summary

The MT8862A is a one-box tester with a simple test system for RF performance tests that supports both Network Mode (signaling mode) and Direct Mode in the 2.4/5/6GHz band. It supports the latest IEEE 802.11be (Wi-Fi 7) standard, 320 MHz bandwidth, and 4096QAM transmit and receive measurements.



Connection

- Standards
  - IEEE 802.11a/b/g
  - IEEE 802.11n
  - IEEE 802.11ac
  - IEEE 802.11ax
  - **IEEE 802.11be**
  - IEEE 802.11n/ac 2x2 MIMO
  - **IEEE 802.11ax 2x2 MIMO**
  - **IEEE 802.11be 2x2 MIMO**
- Network Mode / Direct Mode
- WEP, WPA/WPA2-Personal/WPA3-Personal [AP/STA]

RF

- Frequency 2.4 GHz / 5 GHz / **6 GHz band (up to 7.125 GHz)**
- Bandwidth 20 MHz / 40 MHz / 80 MHz / 160 MHz / **320 MHz**

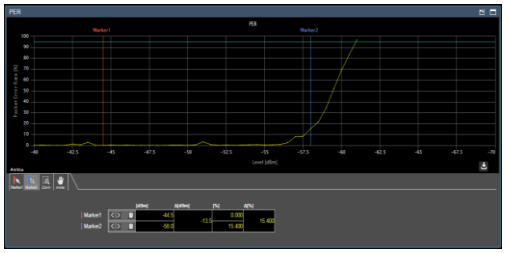
Tools

- Simple GUI control with web browser
- Frame capture (signaling messages logging)
- Internet connection of DUT from IP data interface (up to 11ac SISO)

Main Window – Tx Measurement



Rx Measurement



Quality Assurance of Diverse and Complex Devices

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The MT8862A does not require additional setup of a control PC or measurement device.
It allows for easy and immediate measurement under actual operating conditions.

Wide Connectivity
- Compatible with various WLAN standards
- Connects to both Access Point/Station
- Supports secure connections

Intuitive GUI
- GUI control via a PC web browser
- No need to install control software



Wireless Connectivity Test Set
MT8862A

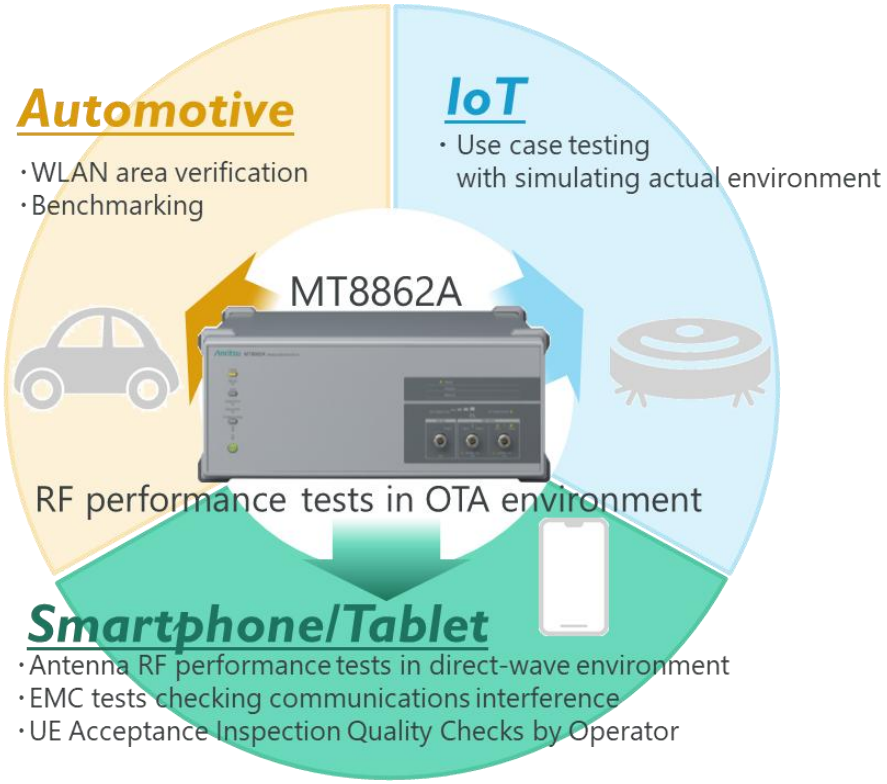
No Test Firmware
- Commercially completed products can be tested with the actual firmware.

No Chipset Control
- No chipset control required for test firmware.

MT8862A Features

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Provides flexible RF tests from OTA to Conducted



Various WLAN test contents, including antenna performance, required in a wide range of fields

Data Rate (MCS) Control Function

MT8862A can specify data rate (MCS) for all supported standards IEEE 802.11a/b/g/n/ac/ax/be. The reproducible wireless test environment helps improve the efficiency of wireless performance tests of WLAN devices.

Wide Dynamic Range

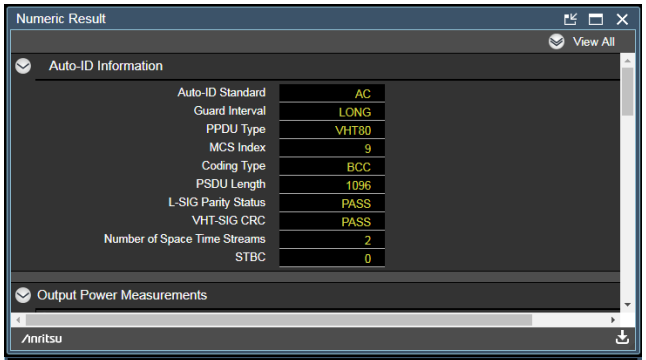
MT8862A can demodulate low power and wide-band WLAN signal through its wide dynamic range even in an OTA environment. It provides efficient testing in an integrated environment with an OTA chamber system.

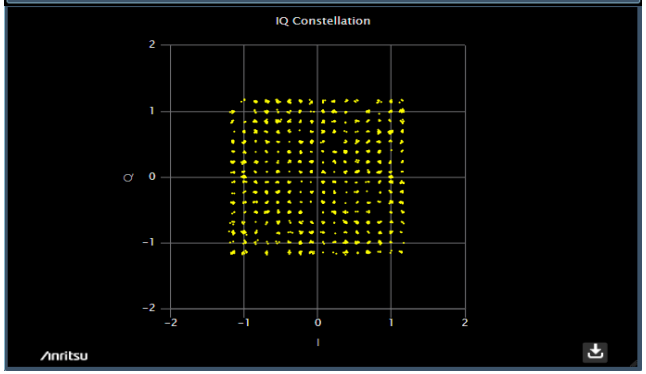
MIMO OTA Measurement

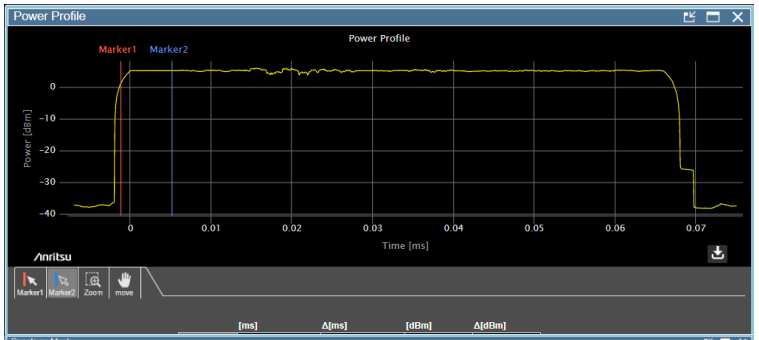
MT8862A realizes 2x2 MIMO testing in an OTA environment, the only WLAN tester to measure RF performance with this capability. Demand for MIMO OTA testing is increasing to improve user experience.

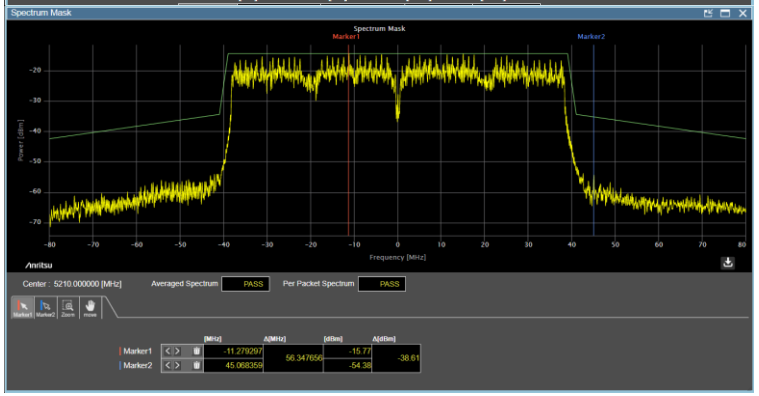
DUT Tx Test

- RF transmit tests are based on IEEE 802.11.
- The headers of packets received from the DUT are analyzed and RF measurements, such as power, modulation accuracy, spectrum, etc., are performed to display results. Pass/Fail evaluation of measurement results is performed based on the set reference values.
- At ACK measurement, the MT8862A sends a Test Packet to the DUT; at Data measurement, it sends a ICMP Echo Request packet. Tx measurement is performed when either the ACK or ICMP Echo Reply sent from the DUT is received.
- Packets sent using the IP data TRx ports can also be measured.



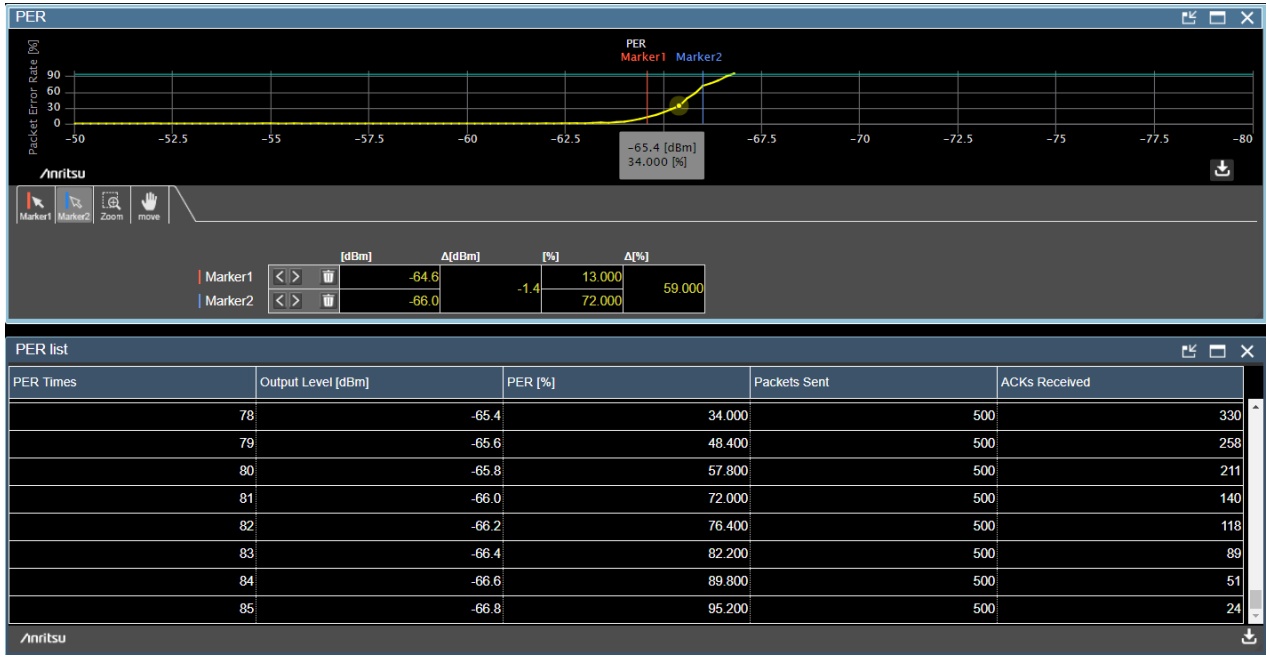






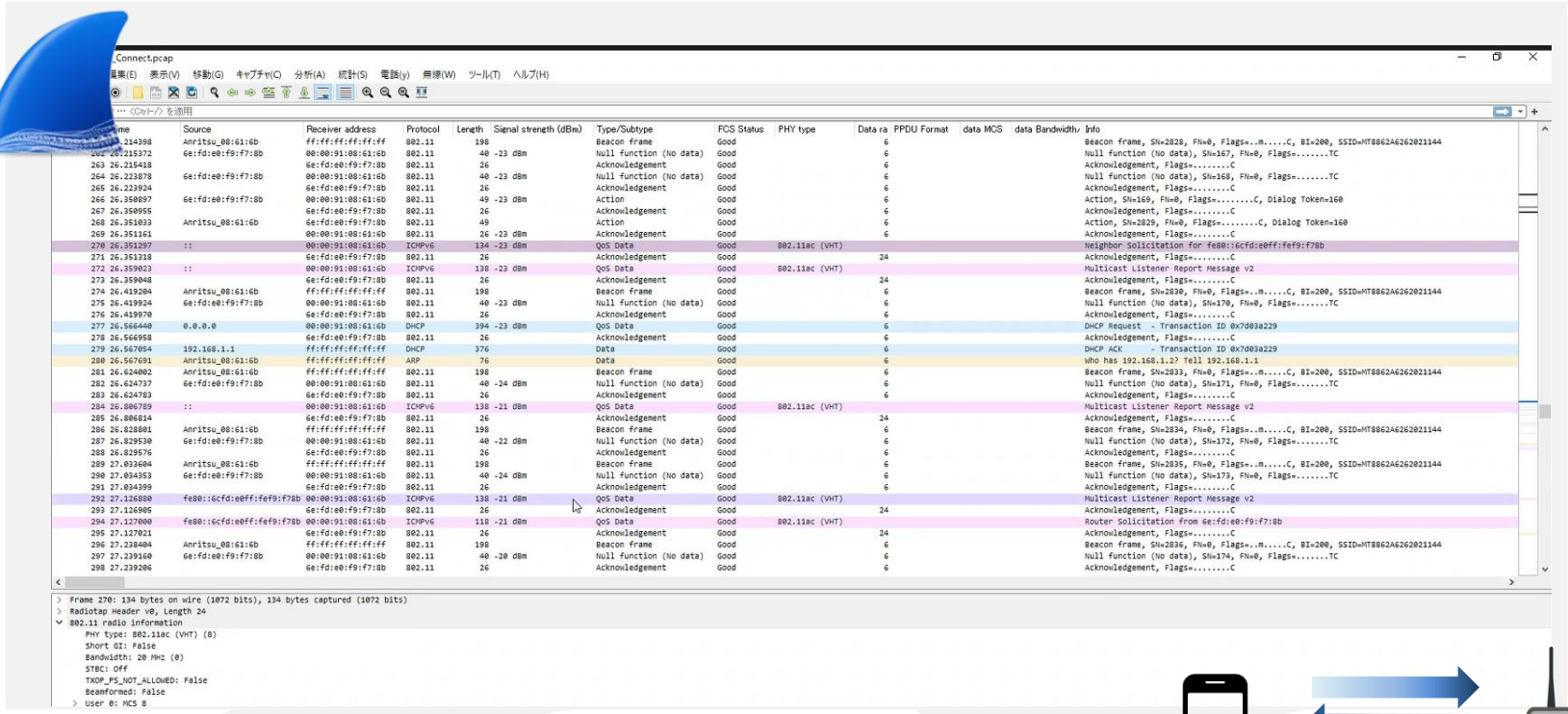
DUT Rx Test

- RF receiver tests are based on IEEE 802.11.
- PER/FRR is measured by counting ACK frames sent from DUT in response to Test Packet.
- Configuring a measurement environment is easy by changing power automatically.
- ETSI EN 300 328 / 301 893 / 303 687 require that the Receiver Blocking test for WLAN equipment in all bands, 2.4 GHz / 5 GHz / 6 GHz, must achieve a PER (Packet Error Rate) of 10% or less. This test can easily be performed using the PER measurement function of the MT8862A and a signal generator to generate the interference wave.



Frame Capture to Solve DUT Connection Issues

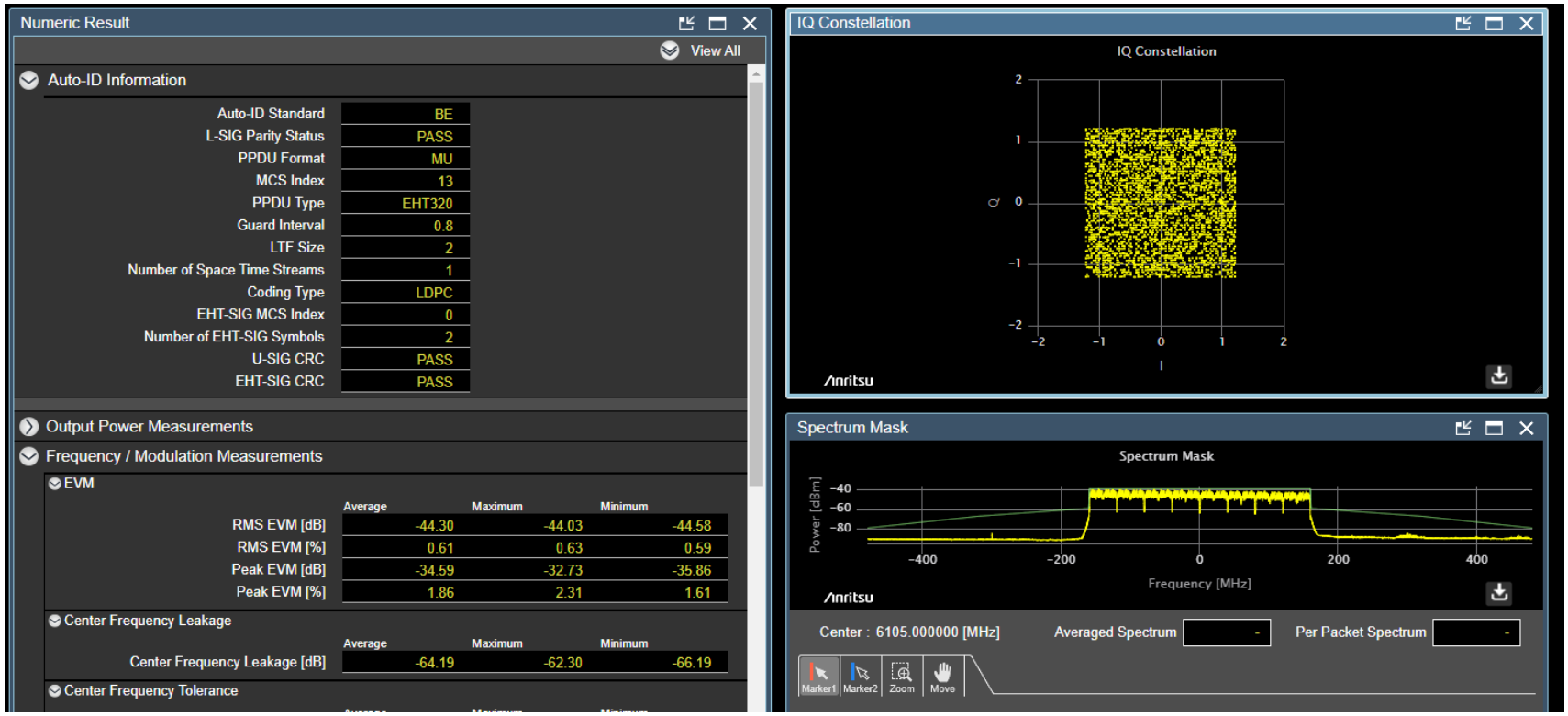
- MT8862A can capture WLAN frames between MT8862A and DUT or between commercially available AP and DUT. The captured logs can be saved in pcap format on the control PC and analyzed by pcap log analysis software such as Wireshark. No separate sniffer is required, and WLAN frames can be analyzed in the same RF measurement environment to solve connection problems.



MT8862A Latest Features

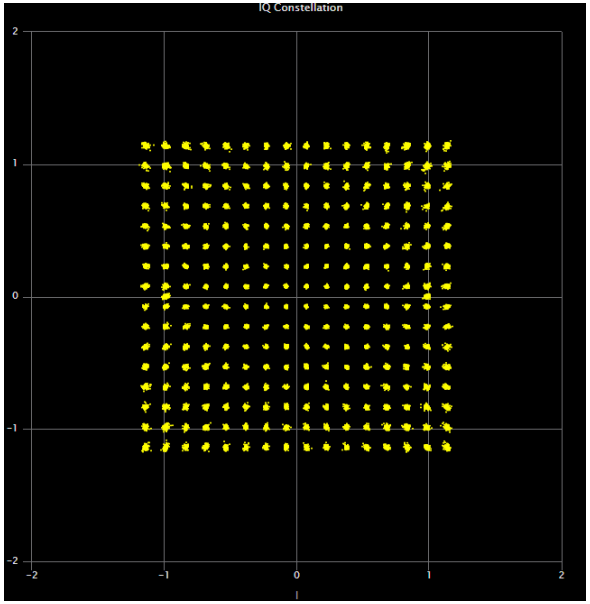
IEEE 802.11be Tx/Rx Measurements

- Supports transmit and receive measurements for the latest IEEE 802.11be standard.
- RF tests can be performed under the most stringent conditions of 320 MHz bandwidth and 4096QAM modulation.
- Performs header analysis of packets sent by devices and RF measurements such as power, modulation accuracy, and spectrum, and displays the results. Customizable reference values can be used to determine PASS/FAIL.

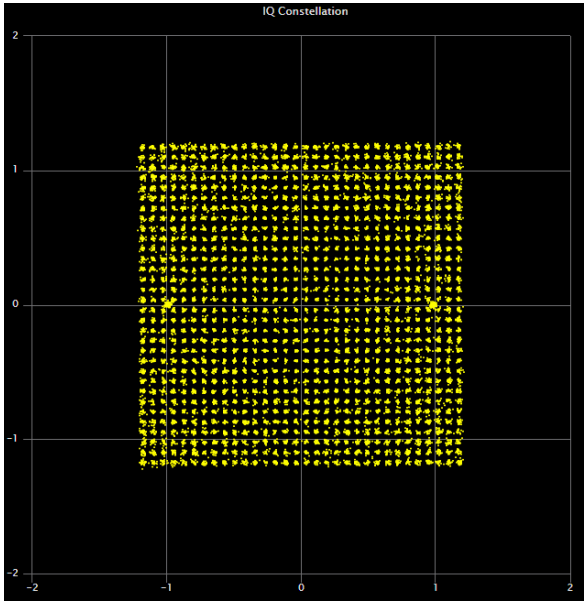


IEEE 802.11be Tx Measurement ①4096QAM Modulation

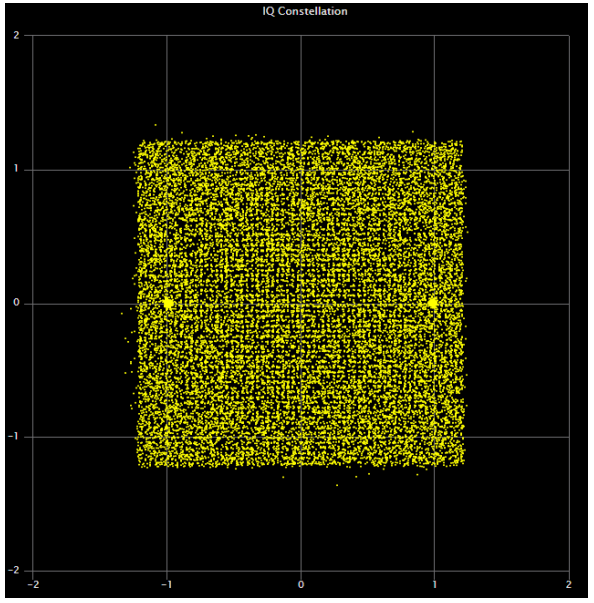
- IEEE 802.11be uses modulation formats up to 4096QAM (MCS13).
- Transmitting 4096QAM signals requires high EVM performance (-38 dB or less).
- The MT8862A achieves RF performance needed for 4096QAM measurement, enabling transmitter measurements.
- The proprietary Data Rate Control function of MT8862A enables evaluation of the RF performance of the desired modulation format.



11be 256QAM



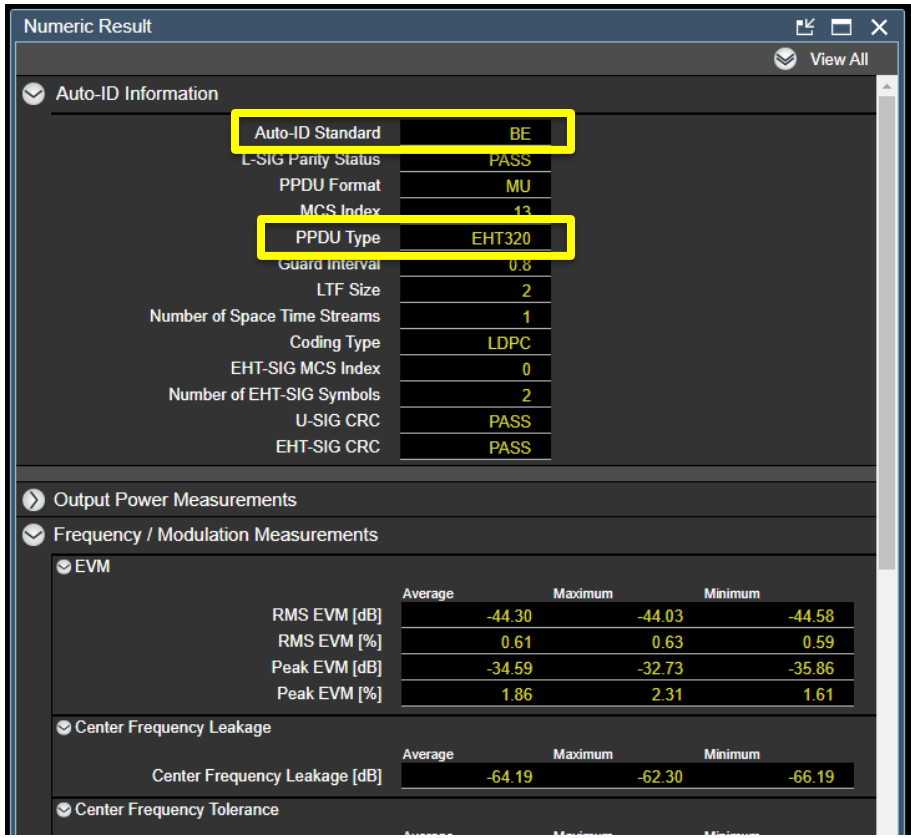
11be 1024QAM

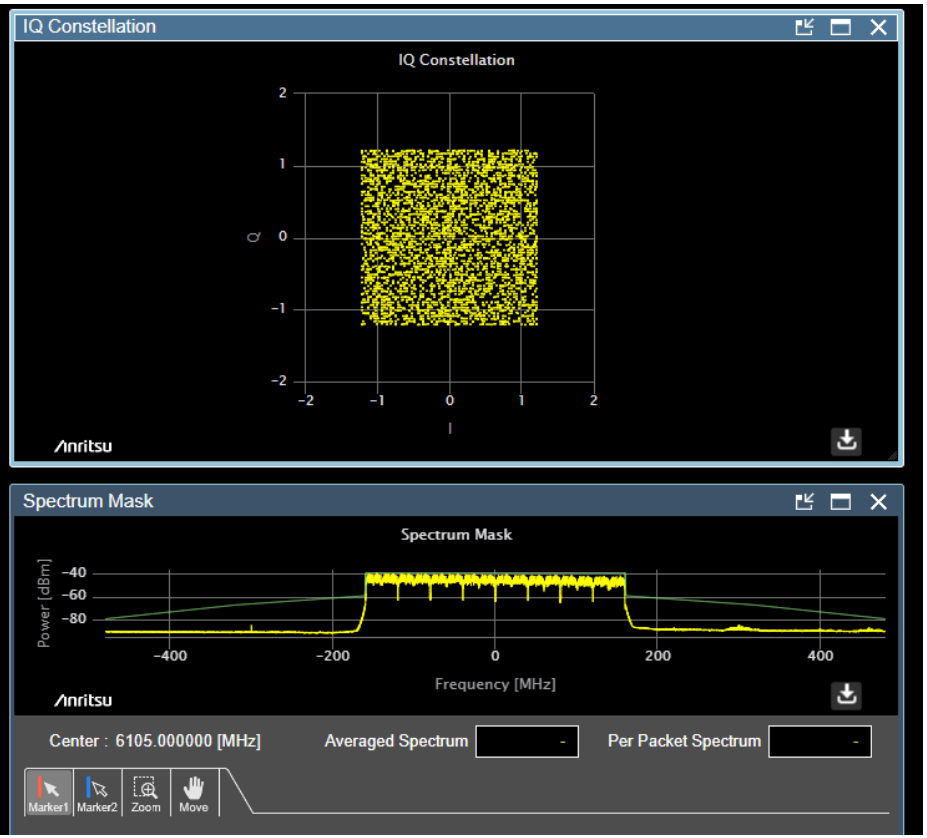


11be 4096QAM

IEEE 802.11be Tx Measurement ②320 MHz Bandwidth

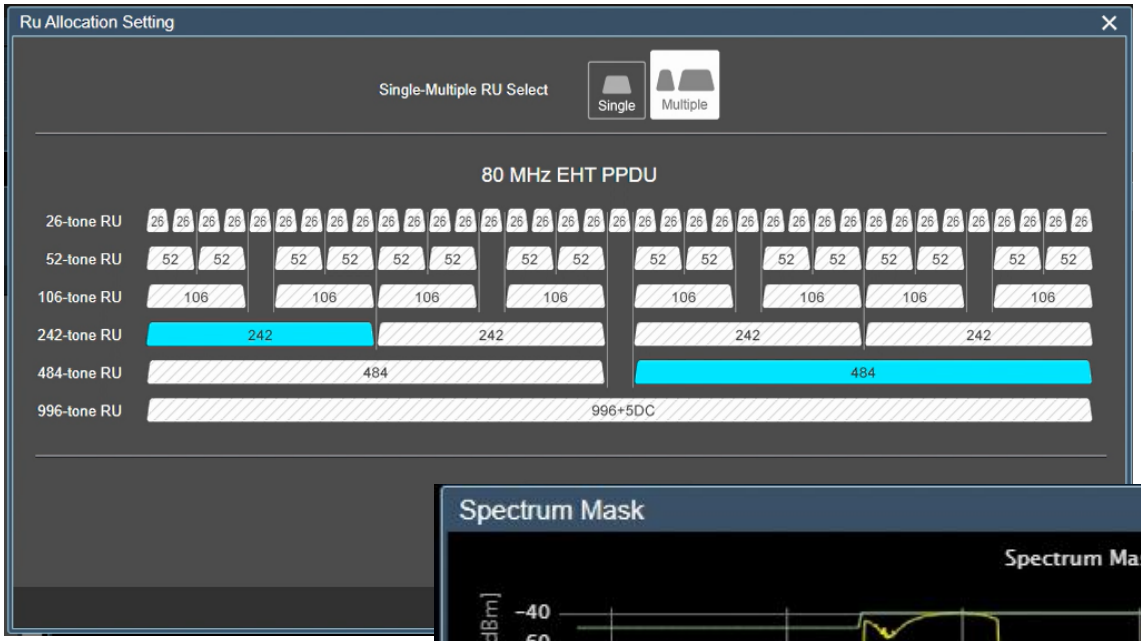
- IEEE 802.11be enables communications over a 320 MHz bandwidth in the 6 GHz band.
- A single MT8862A unit can perform Tx/Rx RF measurements of 320 MHz channels in both Network Mode and Direct Mode.

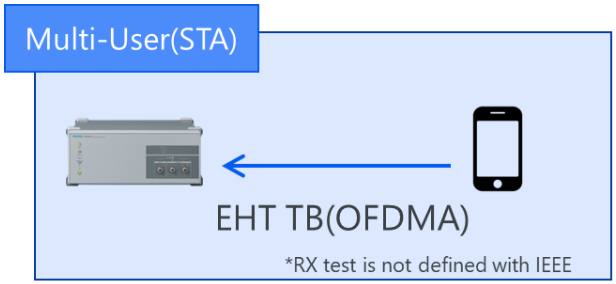


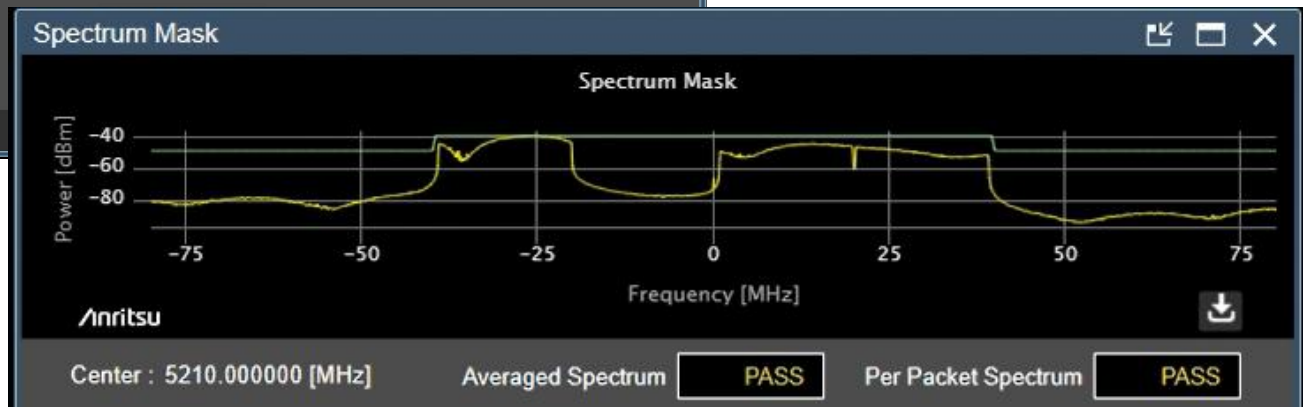


IEEE 802.11be Tx Measurement ③Multiple RUs

- IEEE 802.11be adds the Multiple RU function, allowing one user to use multiple RUs (Resource Units).
- The MT8862A supports Multiple RU measurements. The GUI allows easy selection of the RU combinations to be used for evaluation.

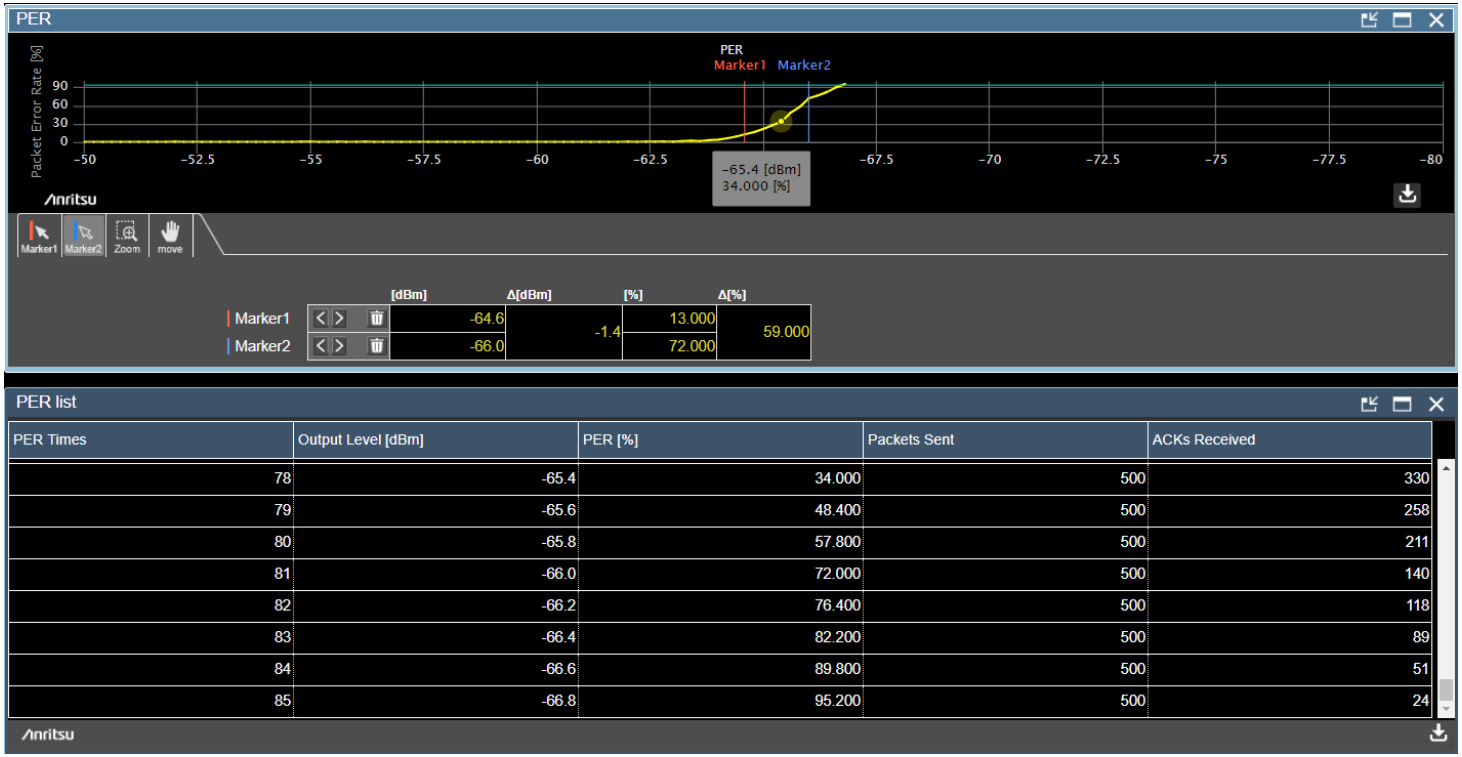






IEEE 802.11be Rx Measurement

- The MT8862A can measure RF reception characteristics compliant with IEEE 802.11be.
- It supports all three bands 2.4 GHz, 5 GHz, and 6 GHz, with 320 MHz bandwidth and 4096 QAM modulation.
- The PER curve can be measured by sending test packets to the DUT and counting the ACK frames sent from the DUT.



MT8862A IEEE 802.11be Solution

- Flexible option configuration by adding only software options
- Upgrade possible from any MT8862A configuration

Solution Example 1

Wi-Fi 5 (80 MHz BW)



- ✓ Support up to 11ac
- ✓ 2.4 GHz/5 GHz Bands
- ✓ 20/40/80 MHz BW
- ✓ Up to 1024QAM

Upgrade

Wi-Fi 7 (11be) 80 MHz BW



- ✓ **Support up to 11be**
- ✓ 2.4 GHz/5 GHz Bands
- ✓ 20/40/80 MHz BW
- ✓ Up to **4096QAM**

Solution Example 2

Wi-Fi 6 (160 MHz BW)



- ✓ Support up to 11ax
- ✓ 2.4 GHz/5 GHz Bands
- ✓ 20/40/80/160 MHz BW
- ✓ Up to 1024QAM

Upgrade

Wi-Fi 7 (11be) 320 MHz BW



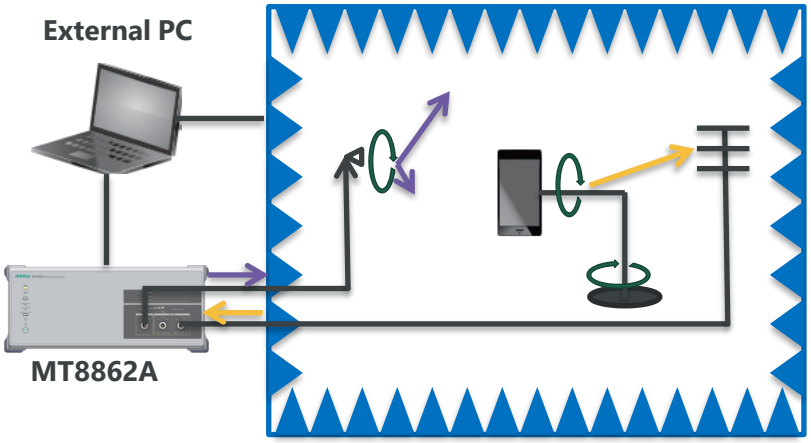
- ✓ **Support up to 11be**
- ✓ 2.4 GHz/5 GHz/**6 GHz Bands**
- ✓ 20/40/80/160**/320 MHz BW**
- ✓ Up to **4096QAM**

MT8862A Applications

OTA Measurements Using OTA Chamber

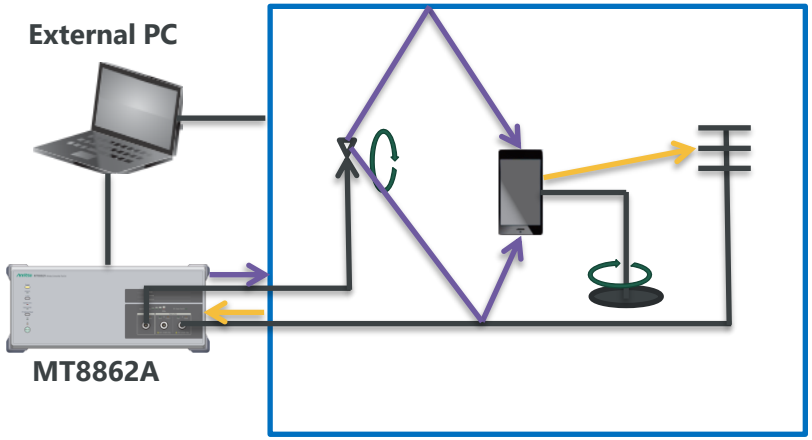
- As WLAN applications diversify, WLAN devices and their usage environment are becoming more complex, resulting in a growing need to quantify and verify that antenna characteristics meet the design specifications by testing antenna characteristics, such as TX power range, receiver sensitivity, etc.
- Anritsu supports an OTA measurement test environment with OTA chamber vendors for measuring the reception power range and receiver sensitivity, such as TRP/TIS, to validate RF performance in WLAN final-use environments.

Anechoic Chamber



Downlink Signal Uplink Signal

Reverberation Chamber



Downlink Signal Uplink Signal

Regulatory Test

Overview of ETSI Regulatory Test

Originally, the ETSI standard covered tests of transmitted power, spurious emission and etc., which were measured with power meter and spectrum analyzer. However, "Receiver Blocking Test" has been added in 2015, so a **Signaling Unit or Companion Device** is required as the opposing equipment. This test item requires the calculation of the Packet Error Rate while communicating under the specific conditions of **Minimum Bandwidth** and **Minimum Data Rate**, so the MT8862A Network Mode works effectively.

From September 2020, EMC testing also uses PER as an indicator of performance, increasing the need for Signaling measurement instruments.

Latest Standard Number

RF testing for 2.4 GHz-Band : EN 300 328 V2.2.2

RF testing for 5 GHz-Band : EN 301 893 V2.2.1

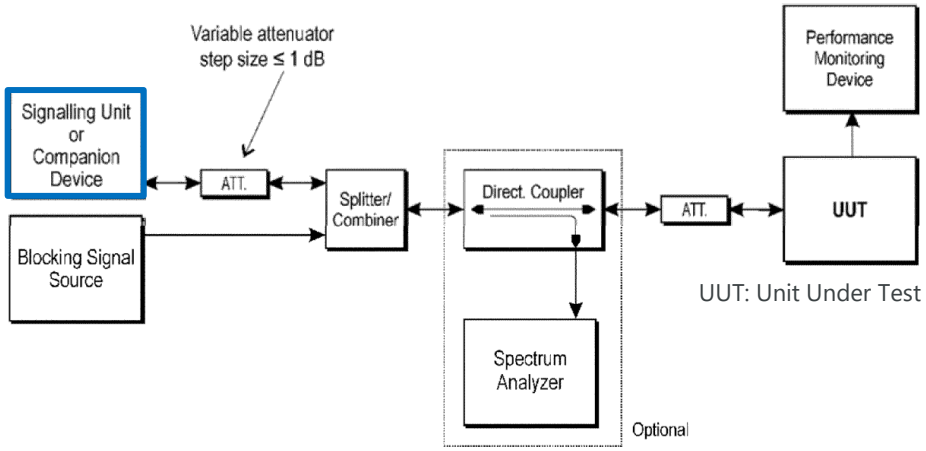
RF testing for 6 GHz-Band : EN 303 687 V1.1.1

EMC testing : EN 301 489-17 V3.3.1

Why MT8862A is better?

- Using the Companion Device, it is difficult to control to a given bandwidth and data rate.
- It's also difficult to measure PER without using the Signaling Unit.
- It takes a lot of resources and time to build an environment for communication state control and communication quality monitoring using devices other than the Signaling Unit.

Source : EN 300 328 V2.2.2

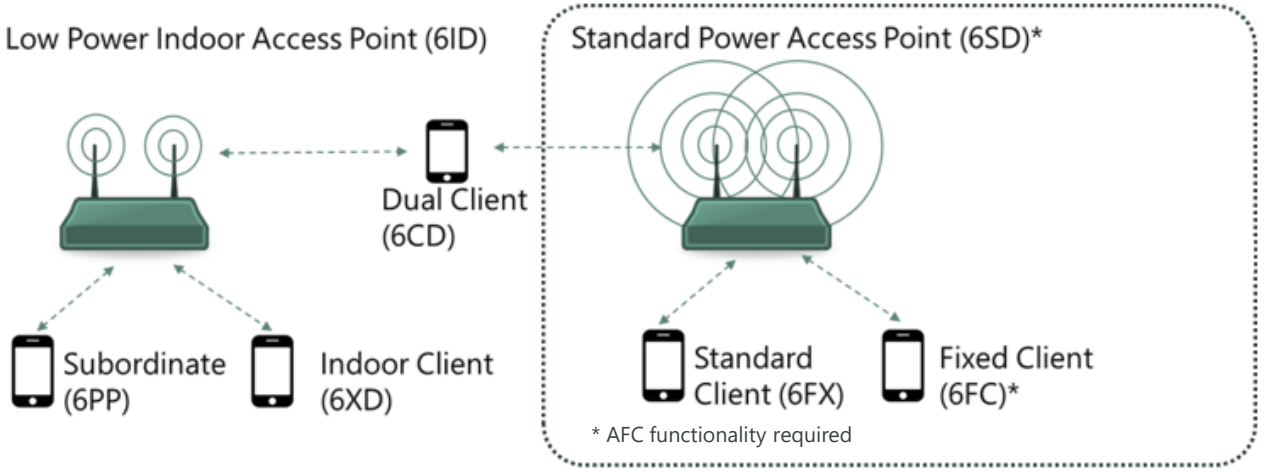


Test Set-up for receiver blocking

6 GHz Band Device Class-SP,LPI,VLP

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Standard Power (SP), Low Power Indoor (LPI), and Very Low Power (VLP) are being considered for the 6 GHz band, and information from the APs will determine the device class and regulatory classification of the STA, but the details vary on each country. MT8862A will enable the setting of country code, regulatory classification and TPE (Transmit Power Envelope), etc. as defined in the standard.



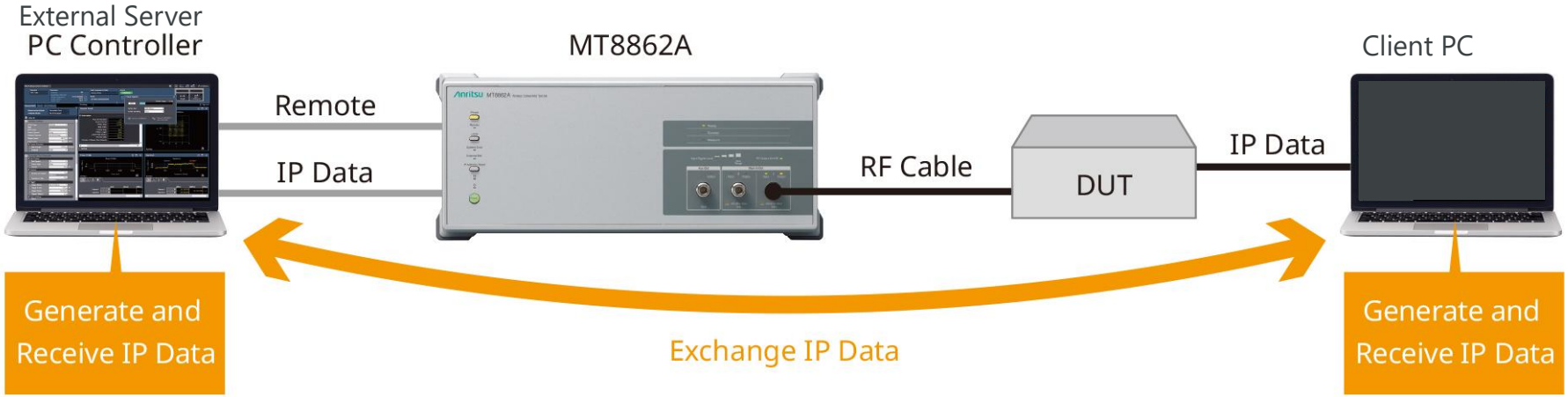
※6xx is a device classification defined by the FCC

Examples of parameters defined by IEEE

Value	Description
0	Indoor Access Point
1	Standard Power Access Point
2–7	Reserved

IP Data Transfer

- The Ethernet port on the back panel of the MT8862A can be used for exchanging IP data with an external server.
- IP connections between the client PC connected to the DUT and the external server connected to the MT8862A can be checked using the ping function, etc.
- Connections can be checked and RF measurements can be made under fixed parameter conditions, such as data rate.
- When it is necessary to access a specific server on the Internet at DUT connection, the MT8862A can also be used for connection maintenance purposes.
- IP Data transfer is supported in IEEE 802.11a/b/g/n/ac.



Appendix

MT8862A – Key Specifications



Wireless Connectivity Test Set MT8862A

- RF Input/Output: Main 1, Main 2, Aux (Aux: output only)
- Frequency Range: 2.4 to 2.5 GHz, 5.0 to 6.0 GHz , 6.0 to 7.3 GHz (in 1 Hz steps)
- Input Level Range: –65 to +25 dBm (in 0.1 dB steps)
- Output Level Range: –120 to 0 dBm (in 0.1 dB steps)
- Dimensions: 426 (W) × 177 (H) × 390 (D) mm (excluding protruding parts)
- Mass: 14 kg max.
- Power Supply: 100 to 120 Vac/200 to 240 Vac, 50/60 Hz, ≤ 350 VA
- Environmental Conditions: +5°C to +45°C (operating), –20°C to +60°C (storage)

WLAN Connectivity (1/2)

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	802.11a	802.11b	802.11g
Frequency Range	5180 MHz to 5885 MHz	2412 MHz to 2484 MHz	2412 MHz to 2484 MHz
Operation Mode	-	-	ERP-OFDM
Modulation	OFDM (BPSK, QPSK, 16QAM, 64 QAM)	DSSS, CCK	OFDM (BPSK, QPSK, 16QAM, 64 QAM)
Data Rate	6, 9, 12, 18, 24, 36, 48, 54 Mbps	1, 2, 5.5, 11 Mbps	6, 9, 12, 18, 24, 36, 48, 54 Mbps
Security	WEP, WPA-Personal, WPA2-Personal, WPA3-Personal		

	802.11n	802.11ac
Frequency Range	2412 MHz to 2484 MHz 5180 MHz to 5885 MHz	5180 MHz to 5885 MHz
Bandwidth	20 MHz, 40 MHz	20 MHz, 40 MHz, 80 MHz, 160 MHz
MCS	MCS0 to MCS7	MCS0 to MCS9
FEC	BCC	BCC
PPDU Format	HT-mixed, HT-greenfield	VHT
Guard Interval	Long, Short	Long, Short
RF Chain	Single (SISO), 2x2MIMO	Single (SISO), 2x2MIMO
Security	WEP, WPA-Personal, WPA2-Personal, WPA3-Personal	

*Some functions require specific option configuration.

WLAN Connectivity (2/2)

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	802.11ax	802.11be
Frequency Range	2412 MHz to 2484 MHz 5180 MHz to 5885 MHz 5995 MHz to 7115 MHz *1	2412 MHz to 2484 MHz 5180 MHz to 5885 MHz 5995 MHz to 7115 MHz *1
Bandwidth	20 MHz, 40 MHz, 80 MHz, 160 MHz	20 MHz, 40 MHz, 80 MHz, 160 MHz, 320MHz
MCS	MCS0 to MCS11	MCS0 to MCS13
FEC	LDPC, BCC	LDPC, BCC
PPDU Format	HE SU, HE TB	EHT MU, EHT TB
RF Chain	Single (SISO), 2x2MIMO	Single (SISO), 2x2MIMO
Security	WEP, WPA-Personal, WPA2-Personal, WPA3-Personal	WEP, WPA-Personal, WPA2-Personal, WPA3-Personal

*Some functions require specific option configuration.

*1: For this frequency range only, the transmit level setting range of the Main 1/2 connector is -120 to -5 dBm.

Comparison with MT8860C





	MT8862A	MT8860C
WLAN Connectivity	802.11a/b/g/**n/ac/ax/be 320 MHz bandwidth** SISO / **2x2MIMO**	802.11a/b/g 20 MHz bandwidth SISO
Operating Mode	Network Mode [AP/STA] Direct Mode [AP/STA]	Network Mode (AP/STA/AdHoc) Direct Mode
Security	**WEP, WPA-Personal, WPA2-Personal, WPA3-Personal**	-
RF In/Out	Main In/Out (N-Type) **x2** **Aux Out** (N-Type)	Main In/Out (N-Type) Interference In, WLAN Ref In (N-Type)
RF Maximum Output Level	**0 dBm** [2.4 / 5 / **6 GHz** band] *	–3 dBm [2.4 GHz band] / –8 dBm [5 GHz band]
Control Software	**Control GUI on web browser**	LANLook, CombiTest (Windows app)
Remote Interface	Ethernet (**VXI-11/HiSLIP**/Raw)	GPIB, Ethernet
Remote Command	**MT8862A Native**	MT8860C Native
IP Data Interface	**Gb Ethernet (up to 11ac)**	-
Packet Log	**pcap Output**	-
Size	**1MW** 4U **390 mm**	3/4MW 4U 350 mm

Green: Additional items, Bold: Changed items

*Aux Out

- Supports 802.11n/ac/ax/be, 2x2MIMO and AP/STA security connections for more DUT measurements
- Improved usability with separate Tx and Rx RF ports, higher maximum output level, and OTA measurements
- Renewed control software and simpler DUT connection for easier measurement
- Built-in IP data interface for IP continuity tests in reproducible test environment
- Frame capture logs and messaging logging

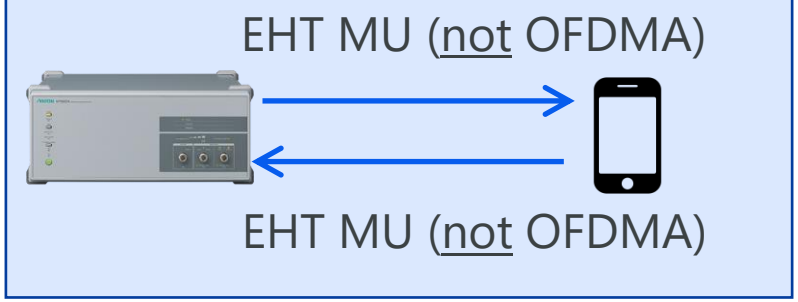
Support Status of IEEE 802.11be Option

Anritsu
Advancing beyond

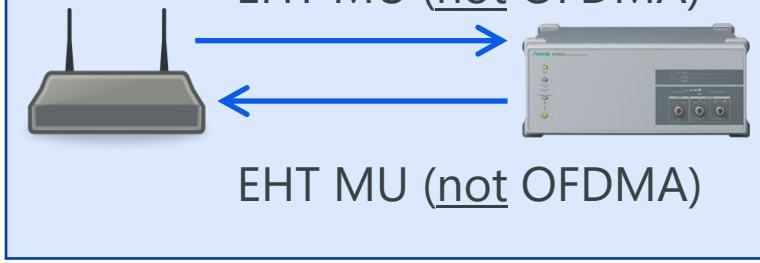
11be has two frame formats (PPDU format). MT8862A supports measurements in blue frame.

*PPDU= PLCP Protocol Data Unit

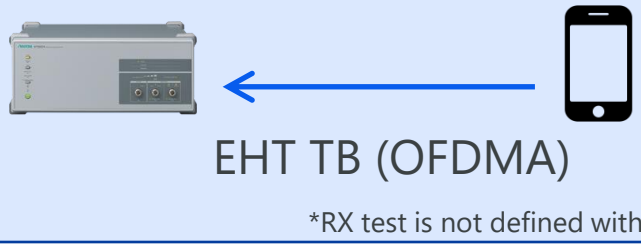
Single User (STA)



Single-User (AP)

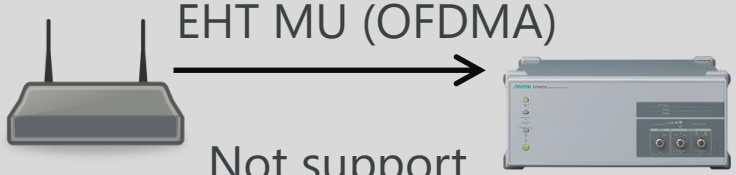


Multi-User (STA)



*RX test is not defined with IEEE

Multi-User (AP)



*RX test is not defined with IEEE

IEEE 802.11be Option Test Coverage

Anritsu
Advancing beyond

IEEE						MT8862A
Category	Chapter	Title	Detail	DUT	PPDU	Support
Transmit requirements for PPDUs sent in response to a triggering frame	36.3.16.3	Pre-correction accuracy requirements	Transmit power and RSSI measurement accuracy	STA	EHTTB	✓
			Carrier frequency offset error	STA	EHTTB	✓
			Transmission start time	STA	EHTTB	✓
Transmit specification	36.3.20.1	Transmit spectral mask		AP/STA	EHTMU, EHTTB	✓ *1) *2) *3)
	36.3.20.2	Spectral flatness		AP/STA	EHTMU, EHTTB	✓ *1)
	36.3.20.3	Transmit center frequency and symbol clock frequency tolerance		AP/STA	EHTMU, EHTTB	✓ *1)
	36.3.20.4.2	Transmit center frequency leakage		AP/STA	EHTMU, EHTTB	✓ *1)
	36.3.20.4.3	Transmitter constellation error		AP/STA	EHTMU, EHTTB	✓ *1)
	36.3.20.4.4	Transmitter modulation accuracy (EVM) test		AP/STA	EHTMU, EHTTB	✓ *1)
Receiver specification	36.3.21.2	Receiver minimum input sensitivity		AP/STA	EHTMU (Only Single-User)	✓
	36.3.21.3	Adjacent channel rejection		AP/STA	EHTMU (Only Single-User)	✓
	36.3.21.4	Nonadjacent channel rejection		AP/STA	EHTMU (Only Single-User)	✓
	36.3.21.5	Receiver maximum input level		AP/STA	EHTMU (Only Single-User)	✓

*1) EHTMU (multi-user) Tx measurement not supported
*2) EHT PPDU Puncturing is not supported
*3) Up to ±160 MHz in Network Mode. Up to ±480 MHz in Direct Mode (for EHTTB ±160 MHz)

Support Status of IEEE 802.11ax Option

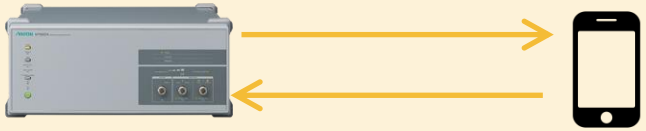
Anritsu
Advancing beyond

11ax has four frame formats (PPDU format). MT8862A supports measurements in yellow frame.

*PPDU= PLCP Protocol Data Unit

Single User (STA)

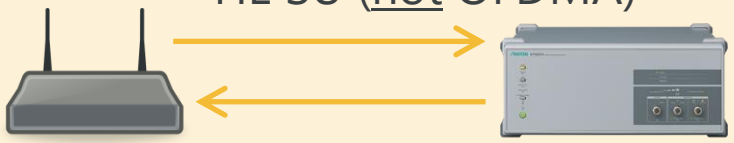
HE SU (not OFDMA)



HE SU (not OFDMA)

Single User (AP)

HE SU (not OFDMA)



HE SU (not OFDMA)

Multi-User (STA)

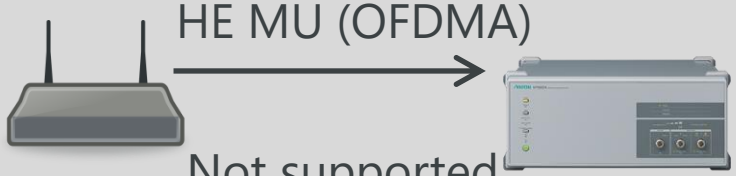


HE TB (OFDMA)

*RX test is not defined with IEEE

Multi-User (AP)

HE MU (OFDMA)



Not supported

*RX test is not defined with IEEE

Single User for IoT (DUT)

HE ER SU (Not supported)

Single User for IoT (AP)

HE ER SU (Not supported)

IEEE 802.11ax Option Test Coverage

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Category	Chapter	Title	Detail	DUT	Measurement
Transmit requirements for an HE TB PPDU	27.3.15.3	Pre-correction accuracy requirements	Transmit power and RSSI measurement accuracy	STA	HETB
			Carrier frequency offset error	STA	HETB
			Symbol clock error	STA	HETB
			Arrival time of the HE TB PPDU at the AP	STA	HETB
Transmit specification	27.3.19.1	Transmit spectral mask*1)		AP/STA	HESU, HETB
	27.3.19.2	Spectral flatness		AP/STA	HESU, HETB
	27.3.19.3	Transmit center frequency and symbol clock frequency tolerance		AP/STA	HESU, HETB
	27.3.19.4.2	Transmit center frequency leakage		AP/STA	HESU, HETB
	27.3.19.4.3	Transmitter constellation error		AP/STA	HESU, HETB
	27.3.19.4.4	Transmitter modulation accuracy (EVM) test		AP/STA	HESU, HETB
Receiver specification	27.3.20.2	Receiver minimum input sensitivity		AP/STA	HESU
	27.3.20.3	Adjacent channel rejection		AP/STA	HESU
	27.3.20.4	Nonadjacent channel rejection		AP/STA	HESU
	27.3.20.5	Receiver maximum input level		AP/STA	HESU

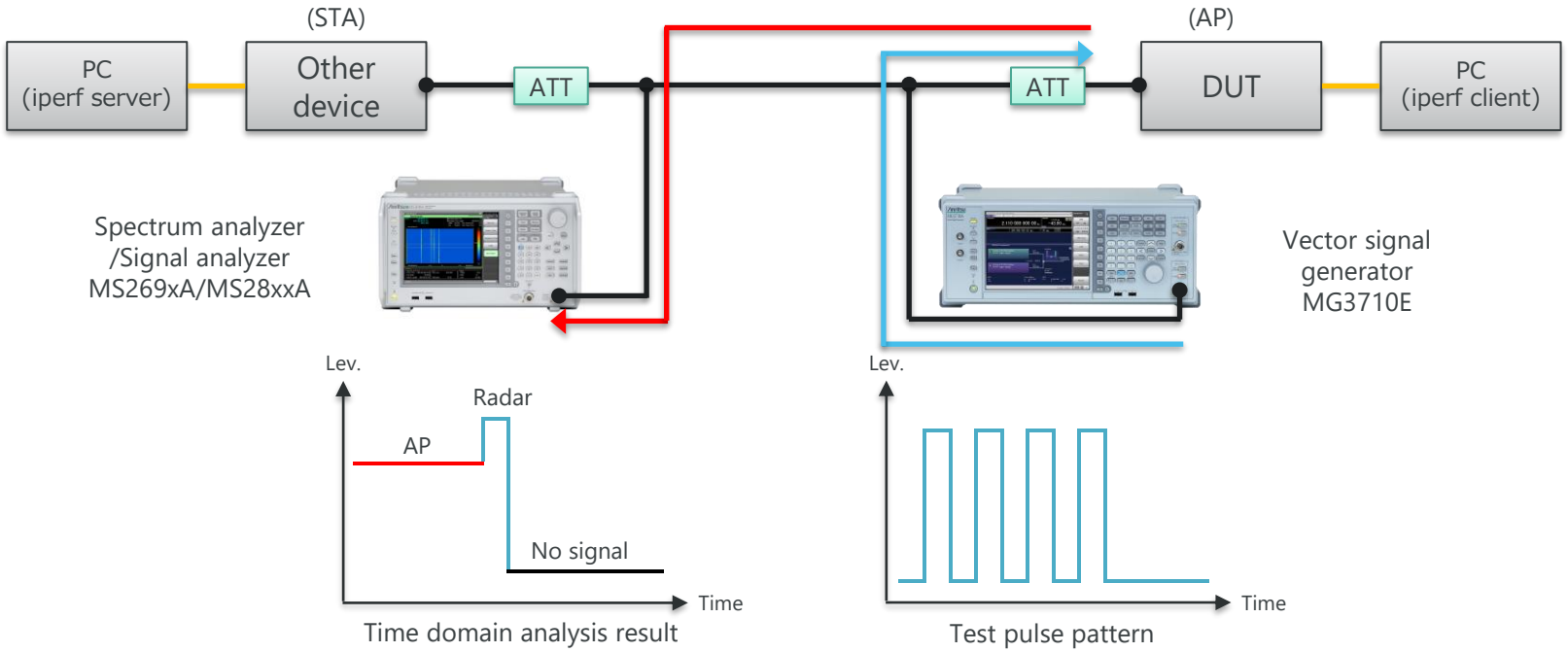
*1) Up to ±80 MHz in Network Mode

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5 GHz Band DFS Testing

WLAN, weather radar, marine radar, etc., use the same frequency bands in the 5.3 GHz (Ch52-Ch64[W53/U-NII-2A]) and 5.6 GHz bands (Ch100-Ch144[W56/U-NII-2C]), so the DFS (Dynamic Frequency Selection) technology is used to prevent signal interference when these signals are detected.

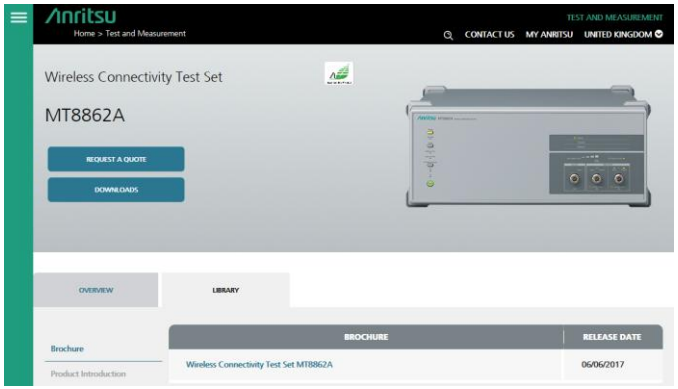
Combining the Vector Signal Generator MG3710E with the waveform pattern product supports the DFS test defined by TELEC, ETSI, and FCC for 5 GHz band WLAN devices.



Documents and Firmware Web Downloads

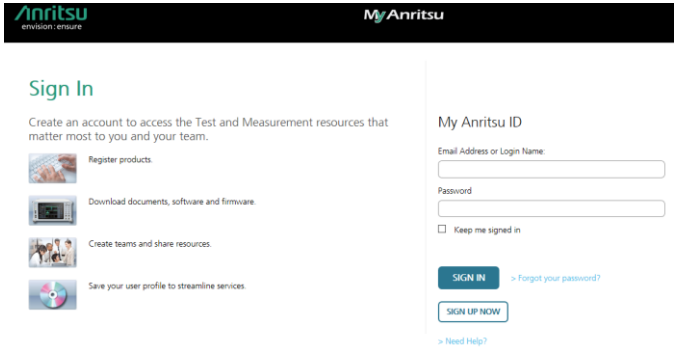
- Anritsu Website
  - Download catalogs, product introduction, etc.
  - Open access to anyone

  https://www.anritsu.com/en-GB/test-measurement/products/mt8862a



- My Anritsu
  - Download operation manuals, firmware, tools, etc.
  - Requires creation of My Anritsu account and product registration

  https://login.anritsu.com/signin?



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