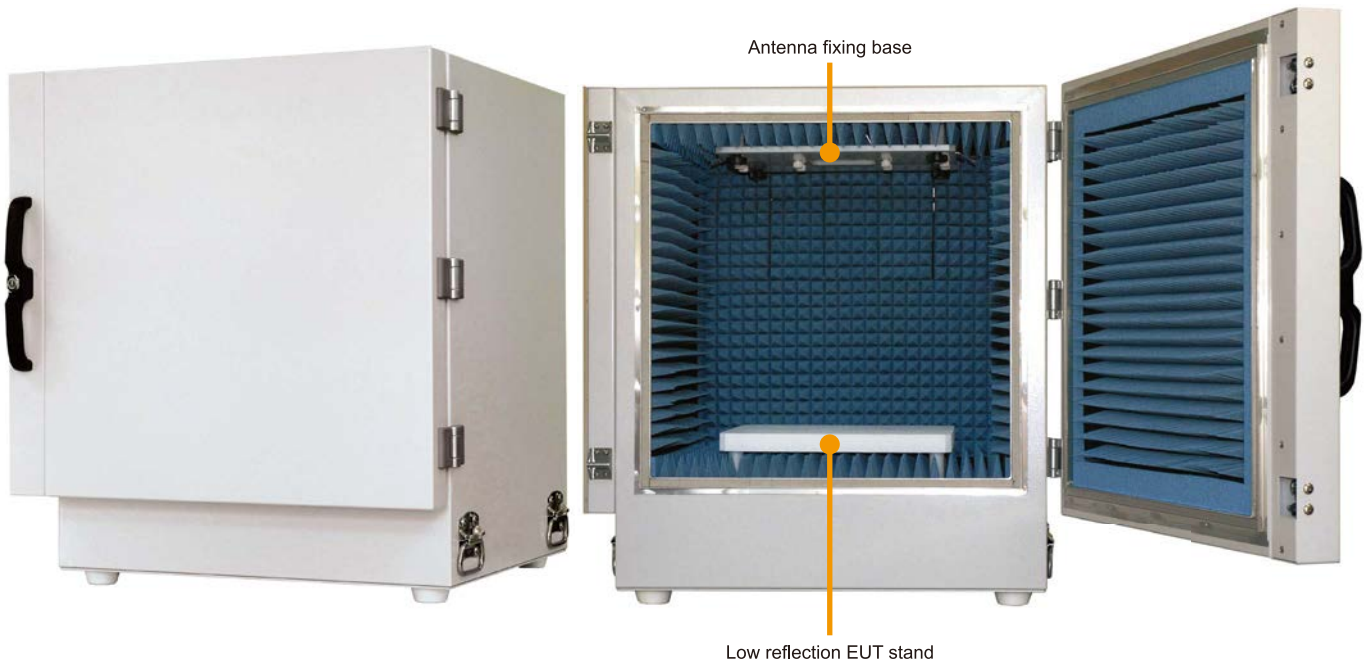
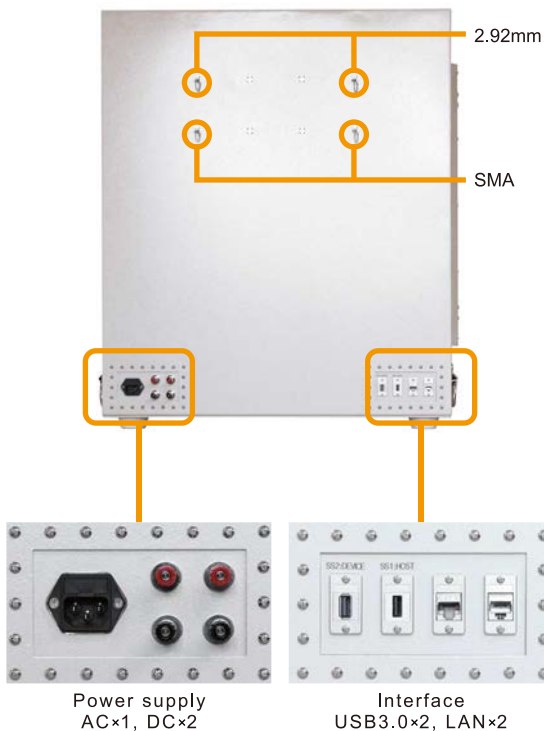


- Suitable for simple OTA examinations (protocol function, throughput) such as 5G NR Mobile Device, chip set.
- Frequency: 700MHz to 30GHz,  
can be used for evaluation in both 5G NR Standalone (SA) or non-stand-alone (NSA) modes.
- Small, lightweight, low price and made in Japan.



Specification



Outside Dimensions	approx. 743(W)×830(H)×721(D)mm -excluding projections
Inside Dimensions	approx. 500(W)×500(H)×500(D)mm -excluding projections
Shielding Characteristics	greater than or equal to 60dB@700MHz to 6GHz 20GHz to 30GHz
Radio wave absorber Reflection loss (representative value)	Pyramid urethane type 25dB@3GHz 35dB@5GHz 40dB@10GHz 45dB@15GHz greater than or equal to 50dB@24GHz
RF connector (back)	2.92mm(J-J) ×2pcs SMA(J-J) ×2pcs
Interface (back)	AC × 1pc(100V, single-phase two-wire system + ground wire.) DC × 2pcs(Johnson terminal 4poles) USB3.0 TypeA × 2pcs(Polarity ; Outside Device-In side Host×1, Outside Host-In side Device×1) LAN × 2pcs(Cat.6A, PoE non-compliant)
Weight	approx. 33kg(Main part)
Main material	Aluminum
Other	Low reflection EUT stand@inside bottom Antenna fixing base@inside upper
Option (factory default)	<ul style="list-style-type: none"> <li>■ Adding RF connectors (MY6500-K / MY6500-SMA) 2.92mm(K)connector or SMA connector can be expanded up to a total of four. Interface(customize)</li> <li>■ Can be changed from USB3.0 to USB2.0(No polarity) Change the polarity (Device / Host) of USB3.0 Combination of USB and LAN can be changed(Eg:USB × 4, etc.)</li> </ul>
Option	Various horn antennas

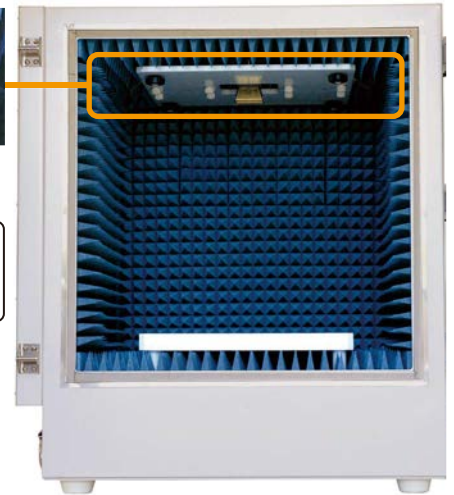
## Features

- Small, lightweight and low price electromagnetic anechoic box specialized for protocol function tests.
- Internal reflection is reduced due to the characteristics of the pyramid type radio wave absorber.
- Equipped with low reflection EUT stand and antenna fixing base.
- With the factory option, can be changed additional RF connectors and Interface specifications.
- One touch lock mechanism (with key)
- Customization available



Antenna fixing base:  
It can mount up to 5 horn antennas.

This assumes scenario evaluation and handover evaluation in multiple cells.



\*If you have any questions, please feel free to contact us.

### Calibration example of the EIRP

①. Antennas with known gains measure in the boresight direction.

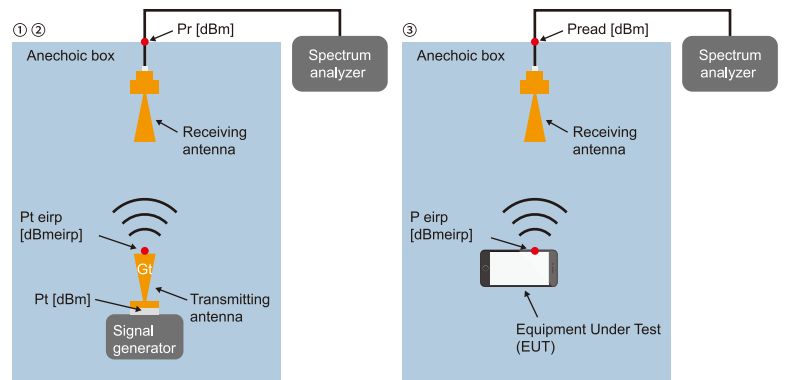
Pt [dBm]	Effective radiated power (ERP)
Gt [dB]	Antenna gain
Pt eirp [dBmeirp]	Equivalent isotropically radiated power $Pt [dBm] + Gt [dB]$
Pr [dBm]	Received power of RF connector part of Electromagnetic anechoic box through receiving antenna + coaxial cable

②. Find the degree of antenna coupling.

K [dB]	Pt eirp [dBmeirp] - Pr [dBm]
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③. Can be measured radiation electricity of measured device (EUT) in reception system same as calibration.

P eirp [dBmeirp]	Pread [dBm] + K [dB]
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## Option

### ■Antenna



MY6500-01

Model	MY6500-01
Shape	Standard gain horn
Frequency range	26GHz to 40GHz
Gain	18 to 21dBi(typ)
VSWR	1.3(typ)
Connector	2.92mm(J)
Dimensions	44.0(W)×34.0(D)×71.0 (L)mm
Features	Linear polarization



MY6500-02E

Model	MY6500-02E
Shape	Quad ridged horn
Frequency range	5GHz to 50GHz
Gain	4 to 14dBi(typ)
VSWR	2.5(typ)
Connector	2.4mm(J)
Dimensions	45(W)×45(D)×85(L)mm
Features	Covers both horizontal and vertical polarization

### ■Adapter

Adapter (2.92mm, P-J) Model : MY6500-A1  
Adapter (2.4mm(P) to 2.92mm(J) Model : MY6500-A2

### ■Add RF Connectors(Factory option)

Connector 2.92mm Model : MY6500-K  
Connector SMA Model : MY6500-SMA

### ■Coaxial Cable(Shield box to Antenna)

Length : 61cm(2.92mm,P-P) Model : MY6500-C061

\*MICRONIX Corporation reserves the right to make change in design, specification and other information without prior notice.

# MICRONIX

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