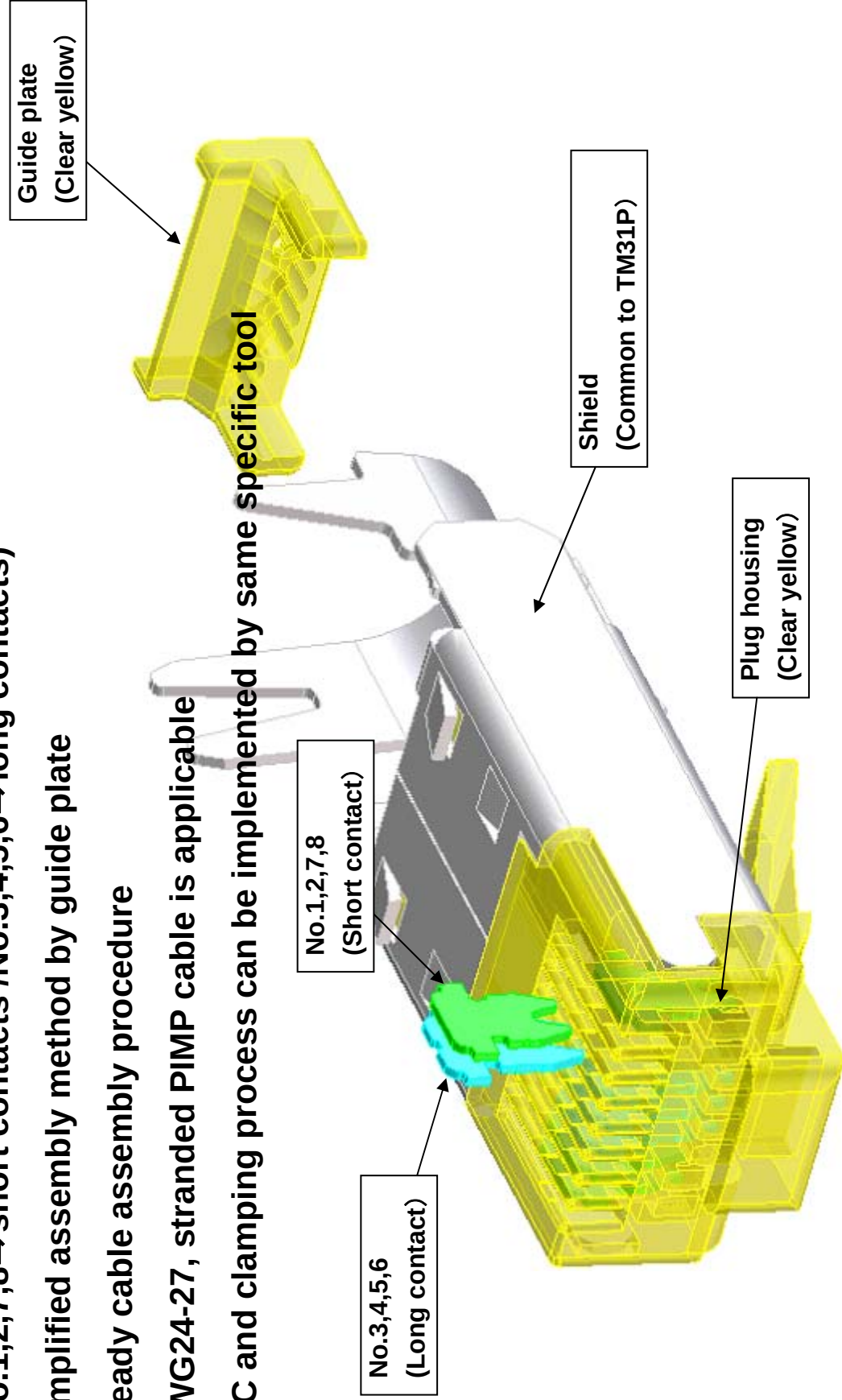


## Plug : TM31P-TM-88P

HRS

1. Plug design satisfying CAT6a performance  
(No.1,2,7,8⇒short contacts /No.3,4,5,6⇒long contacts)
2. Simplified assembly method by guide plate
3. Steady cable assembly procedure
4. AWG24-27, stranded PIMP cable is applicable
5. IDC and clamping process can be implemented by same specific tool



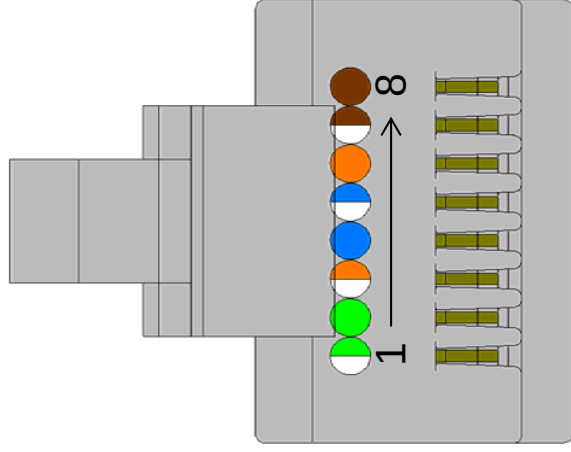
## Plug : TM31P-TM-88P

# HRS

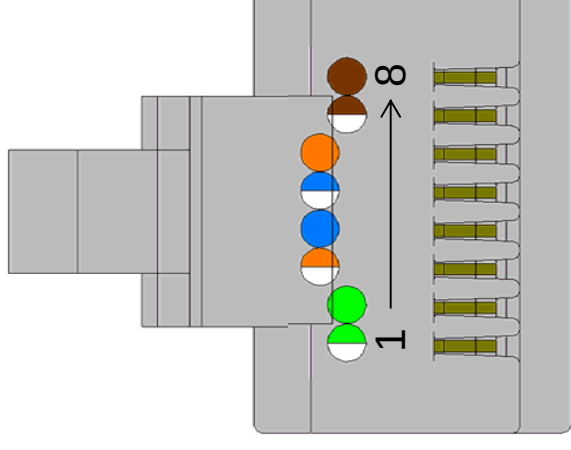
### Plug design satisfying CAT6a requirements

#### 1) Unique contact arrangement

CAT6 Plug (TM21DP-TM-88P)



CAT6a Plug (TM31P-TM-88P)



Improved Transmission  
Characteristics

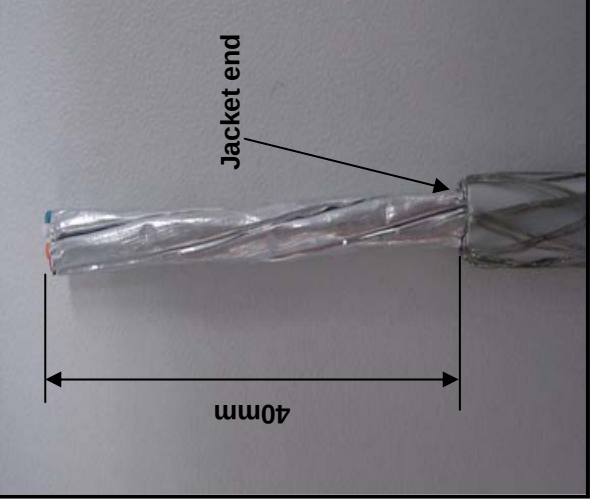
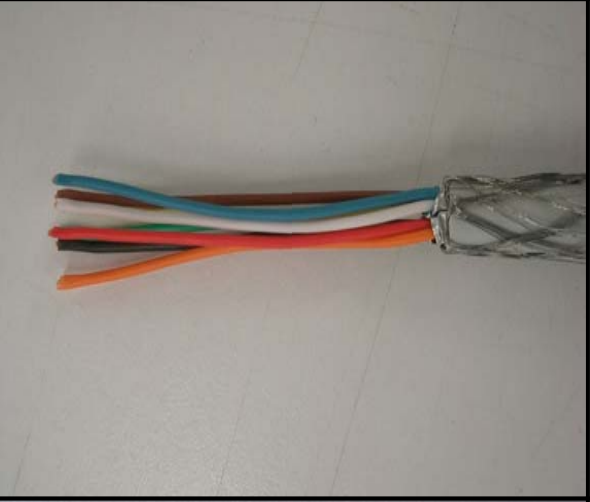
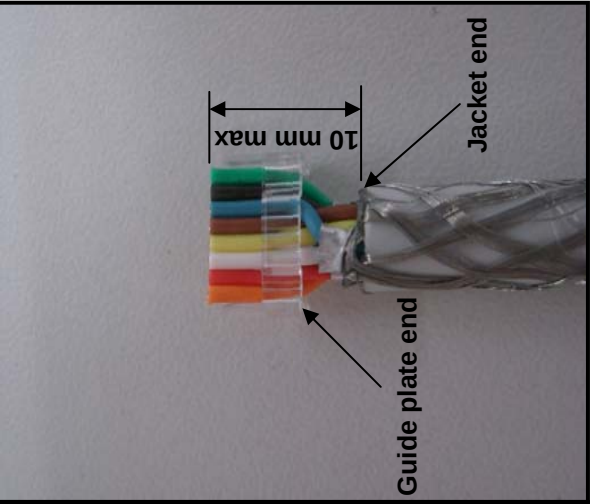
Limited performance due to the contact arrangement in a single row

The contact arrangement in two rows makes performance improved (No3, 4, 5, 6 contacts are isolated from No1, 2, 7, 8 contacts)

Plug : TM31P-TM-88P

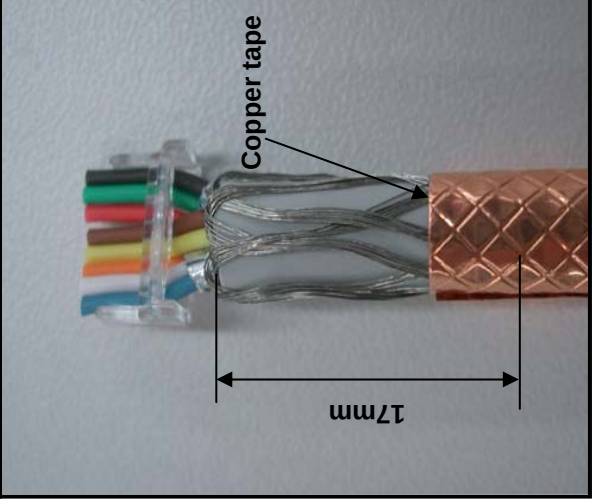
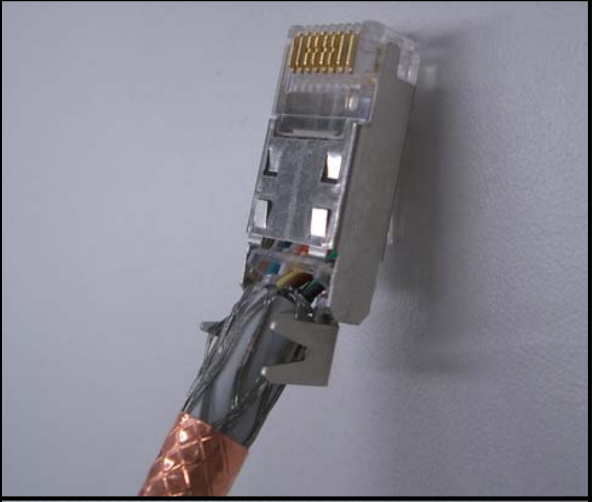
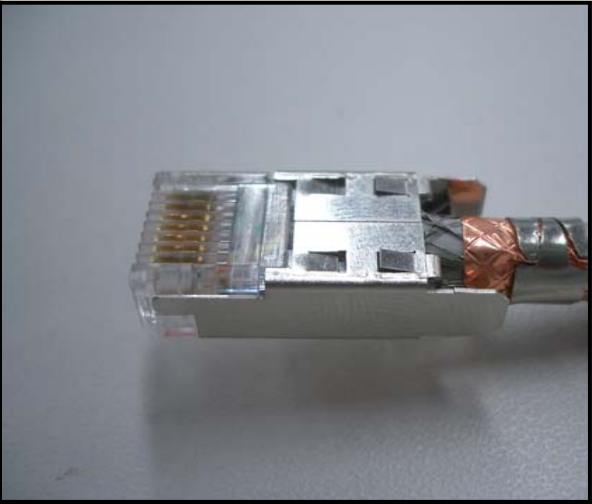
Cable assembly method to have CAT6a performance

Plug design makes it possible for users to lengthen jacket end and have steady CAT6a performance.

| Step1                                                                                | Step2                                                                               | Step3                                                                              |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|  |  |  |

Cable assembly method to have CAT6a performance

Plug design makes it possible for users to lengthen jacket end and have steady CAT6a performance.

| Step4                                                                                                                                                                                                                                                                                                                                                                  | Step5                                                                                                                                                                                                                                                             | Step6                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p>Diagram illustrating the cable assembly process. A cable with a clear jacket and multiple colored wires is shown. A section of the jacket is wrapped with copper tape. A dimension line indicates a length of 17mm. The label "Copper tape" points to the wrapped section.</p> |  <p>Diagram illustrating the cable assembly process. A cable with a clear jacket and multiple colored wires is shown. A section of the jacket is wrapped with copper tape.</p> |  <p>Diagram illustrating the cable assembly process. A cable with a clear jacket and multiple colored wires is shown. A section of the jacket is wrapped with copper tape.</p> |

## Plug : TM31P-TM-88P

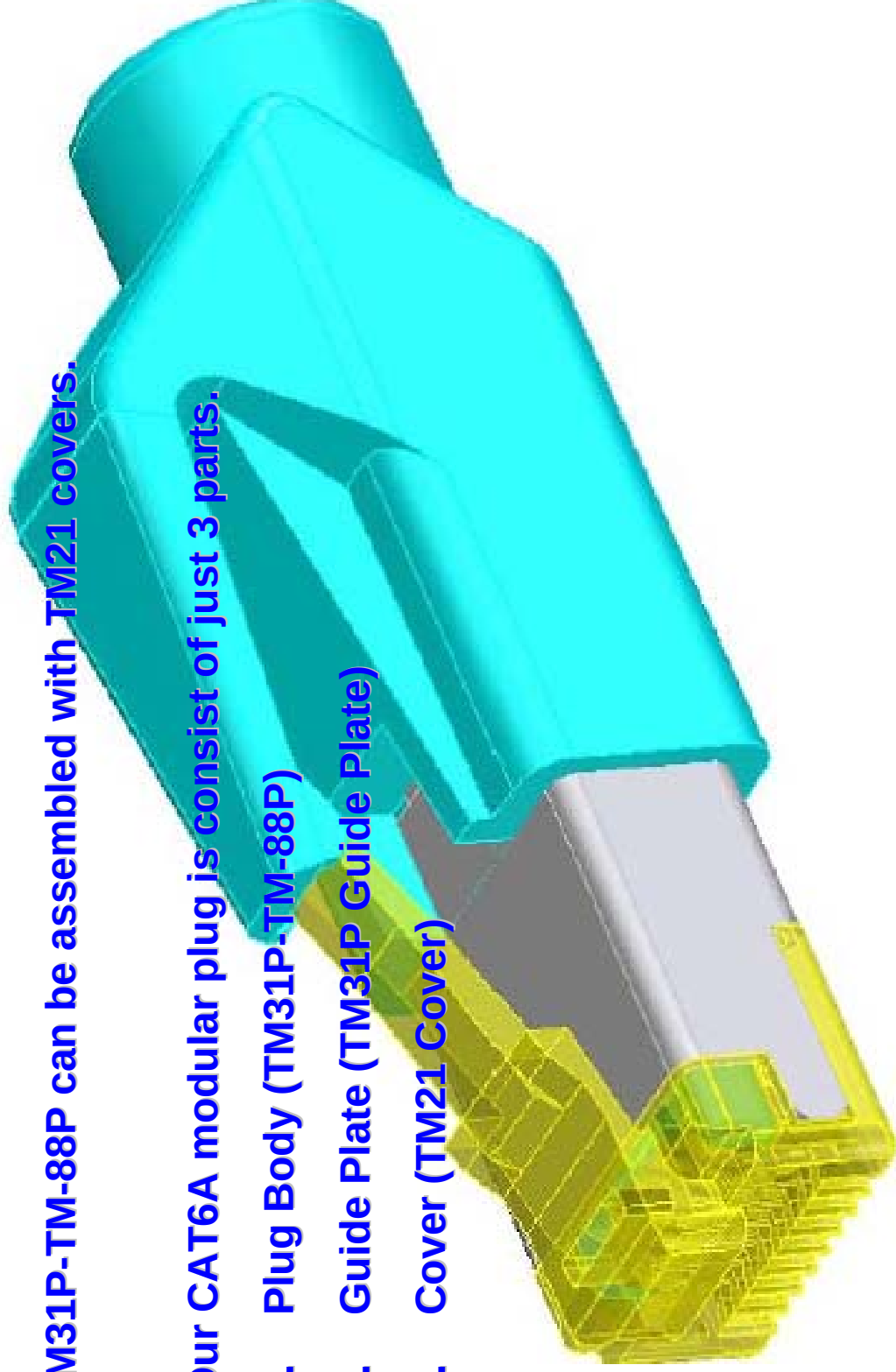
**HRS**

Outer Appearance of TM31P-TM-88P with cover

**TM31P-TM-88P can be assembled with TM21 covers.**

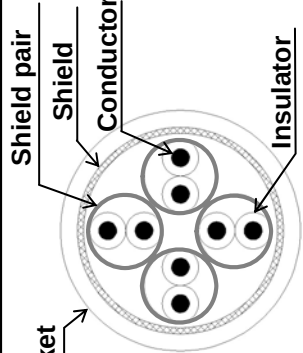
**Our CAT6A modular plug is consist of just 3 parts.**

- 1. Plug Body (TM31P-TM-88P)**
- 2. Guide Plate (TM31P Guide Plate)**
- 3. Cover (TM21 Cover)**



Plug : TM31P-TM-88P

Applicable Cable

| <div>PIMF cable</div> <div></div> | Conductor        | AWG 24 stranded wire     |
|----------------------------------------------------------------------------------------------------------------------|------------------|--------------------------|
|                                                                                                                      |                  | AWG 27 stranded wire     |
|                                                                                                                      | O/D of Insulator | $\phi$ 0.9 to $\phi$ 1.0 |
|                                                                                                                      | O/D of Jacket    | $\phi$ 5.8 to $\phi$ 6.0 |

Cable Assembly Tool

Cable Assembly Tool of TM21DP-TM-88P  
can be also used for TM31P-TM-88P



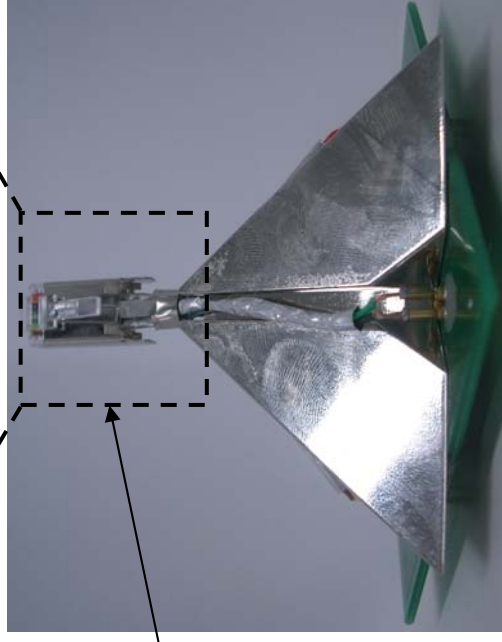
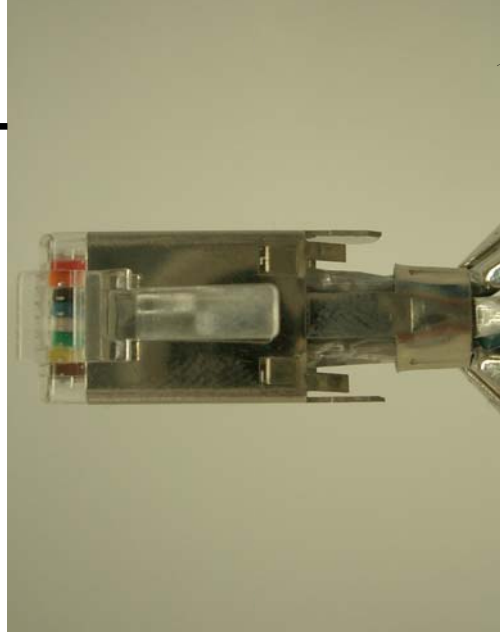
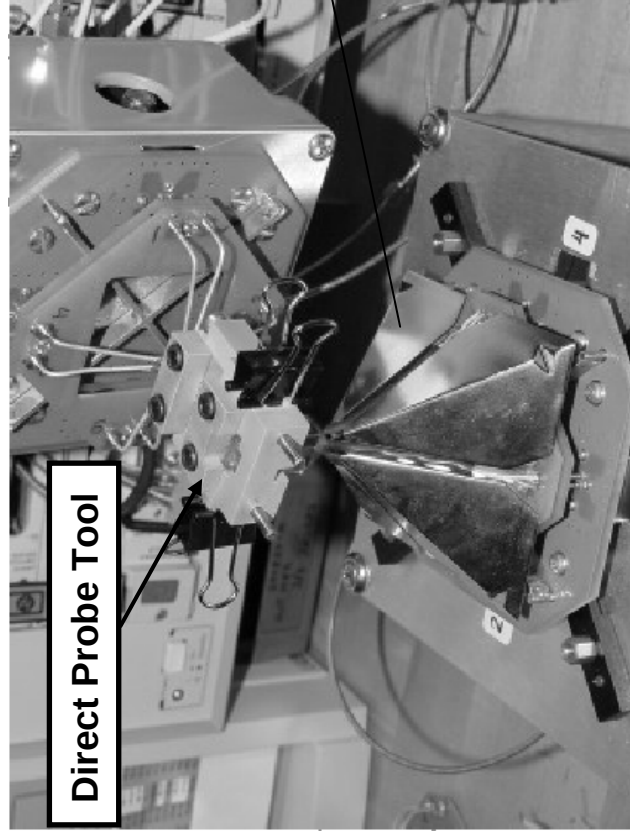
## Plug : TM31P-TM-88P

# HRS

CAT6a Performance Measurement : Plug single TM31P Model sample

Measurement Method : Direct Probe Method  
Measurement Equipment : Network Analyzer  
(Agilent E8357A)

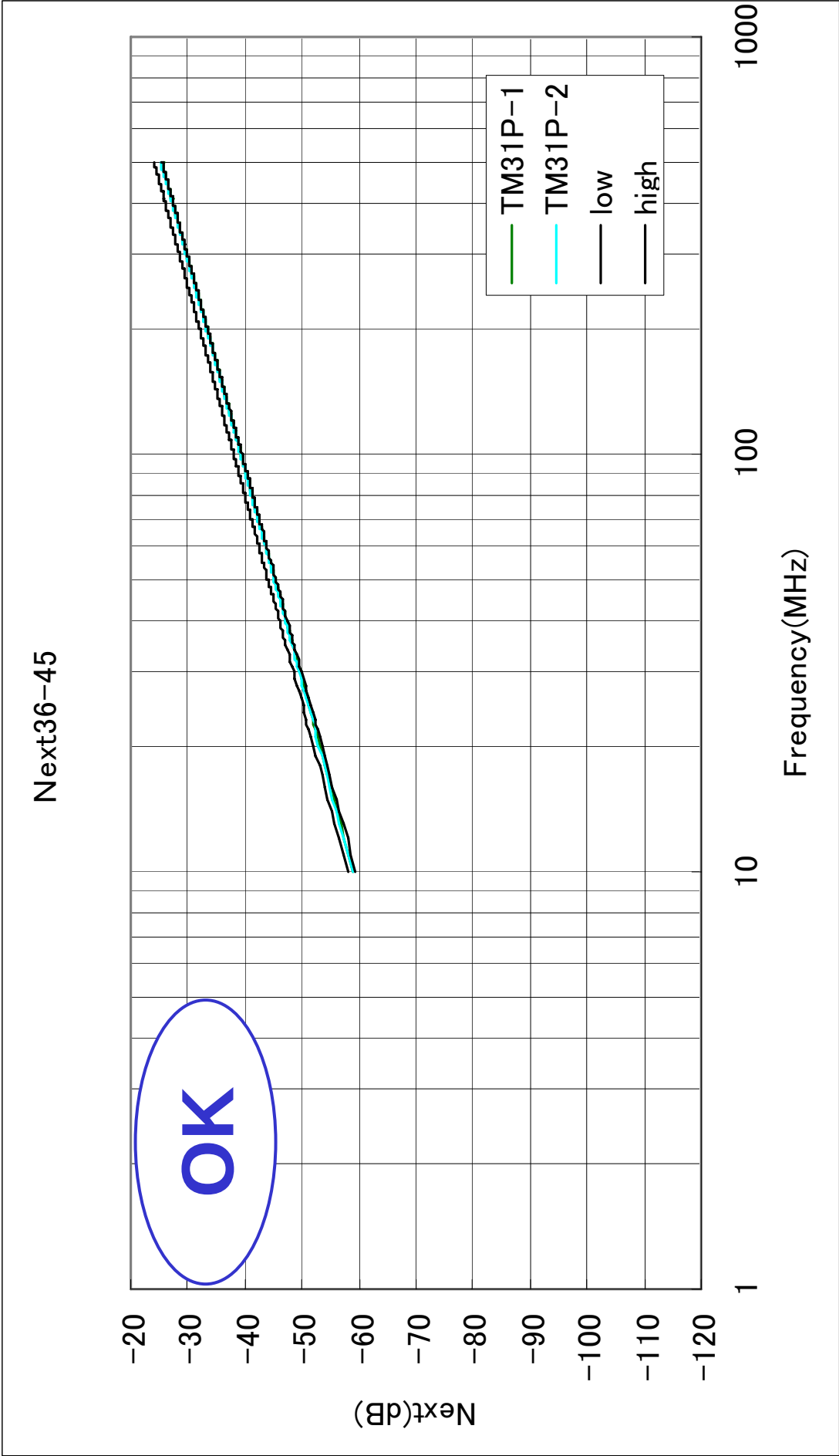
Frequency : 10~500MHz



# Plug : TM31P-TM-88P

HRS

NEXT36-45

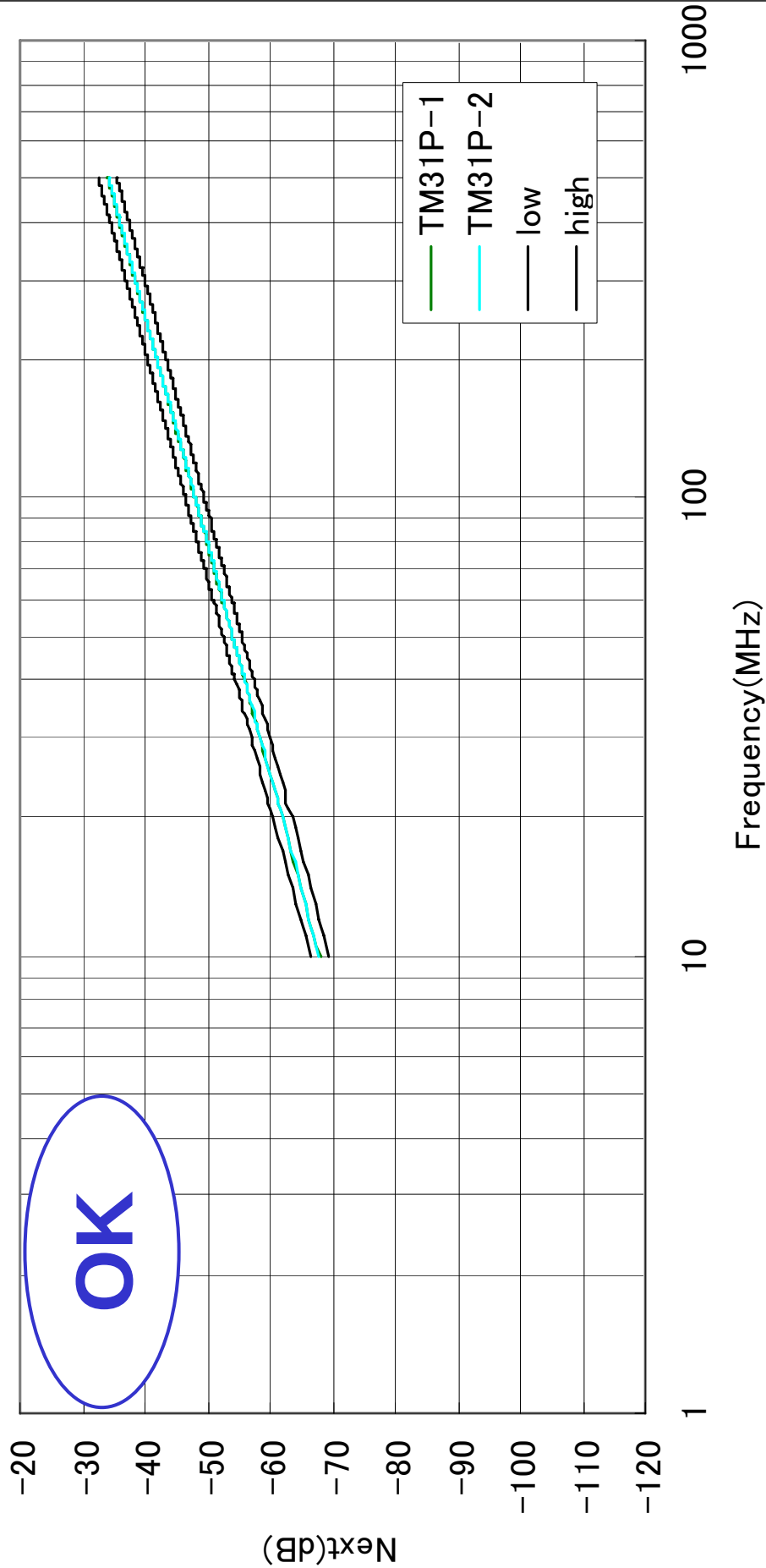


# Plug : TM31P-TM-88P

HRS

NEXT12-36

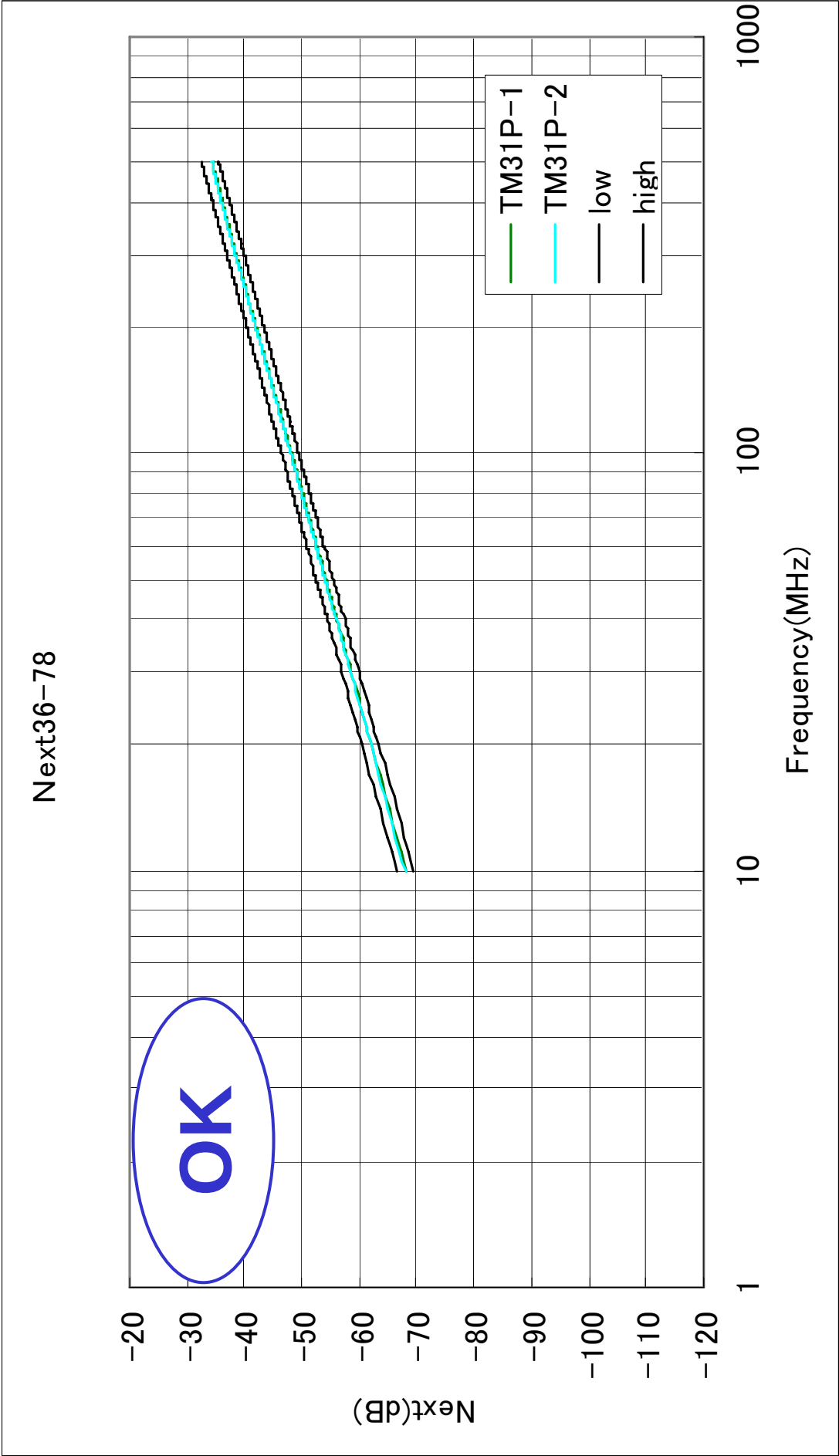
Next12-36



# Plug : TM31P-TM-88P

HRS

NEXT36-78

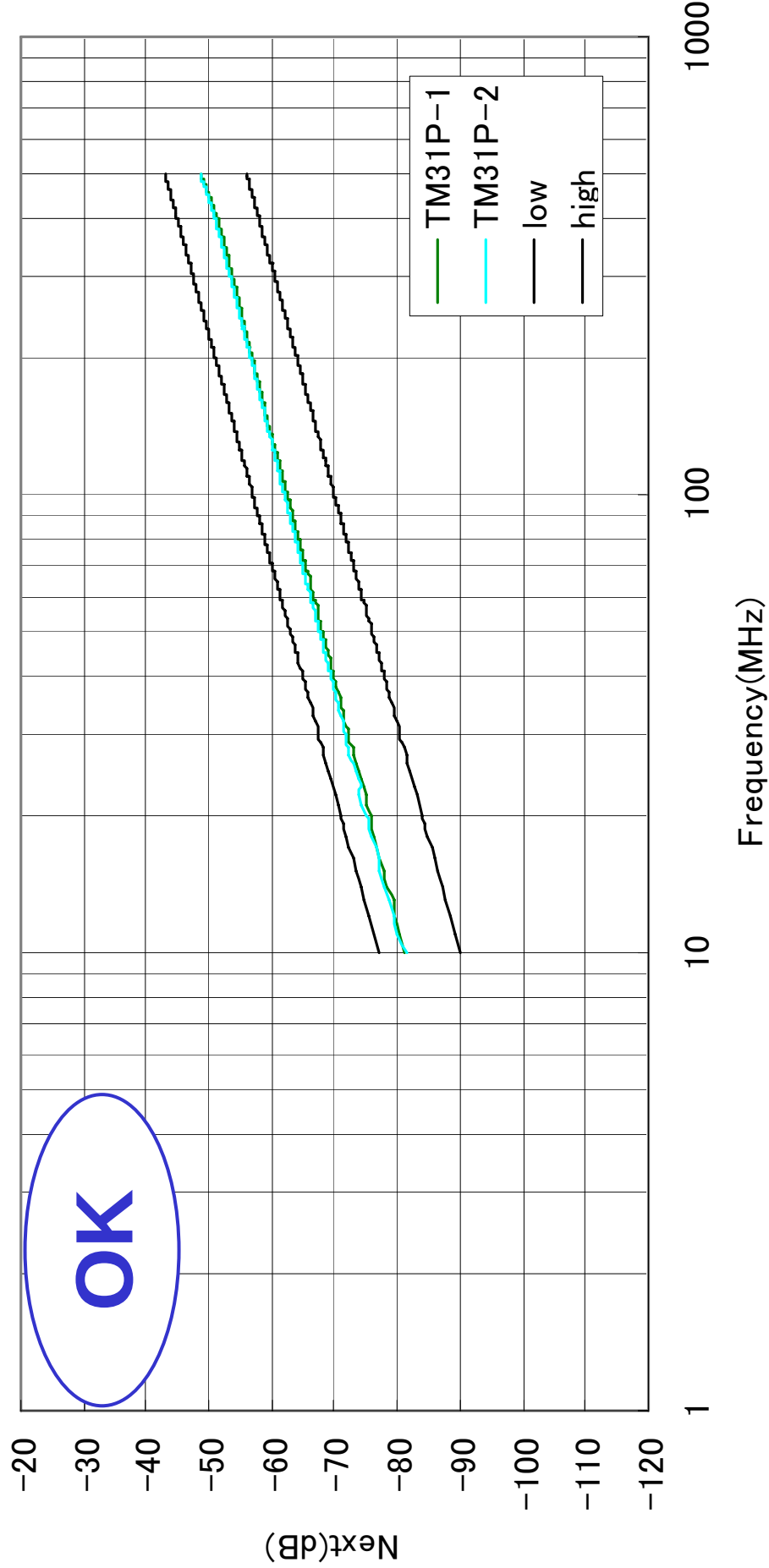


# Plug : TM31P-TM-88P

HRS

NEXT12-45

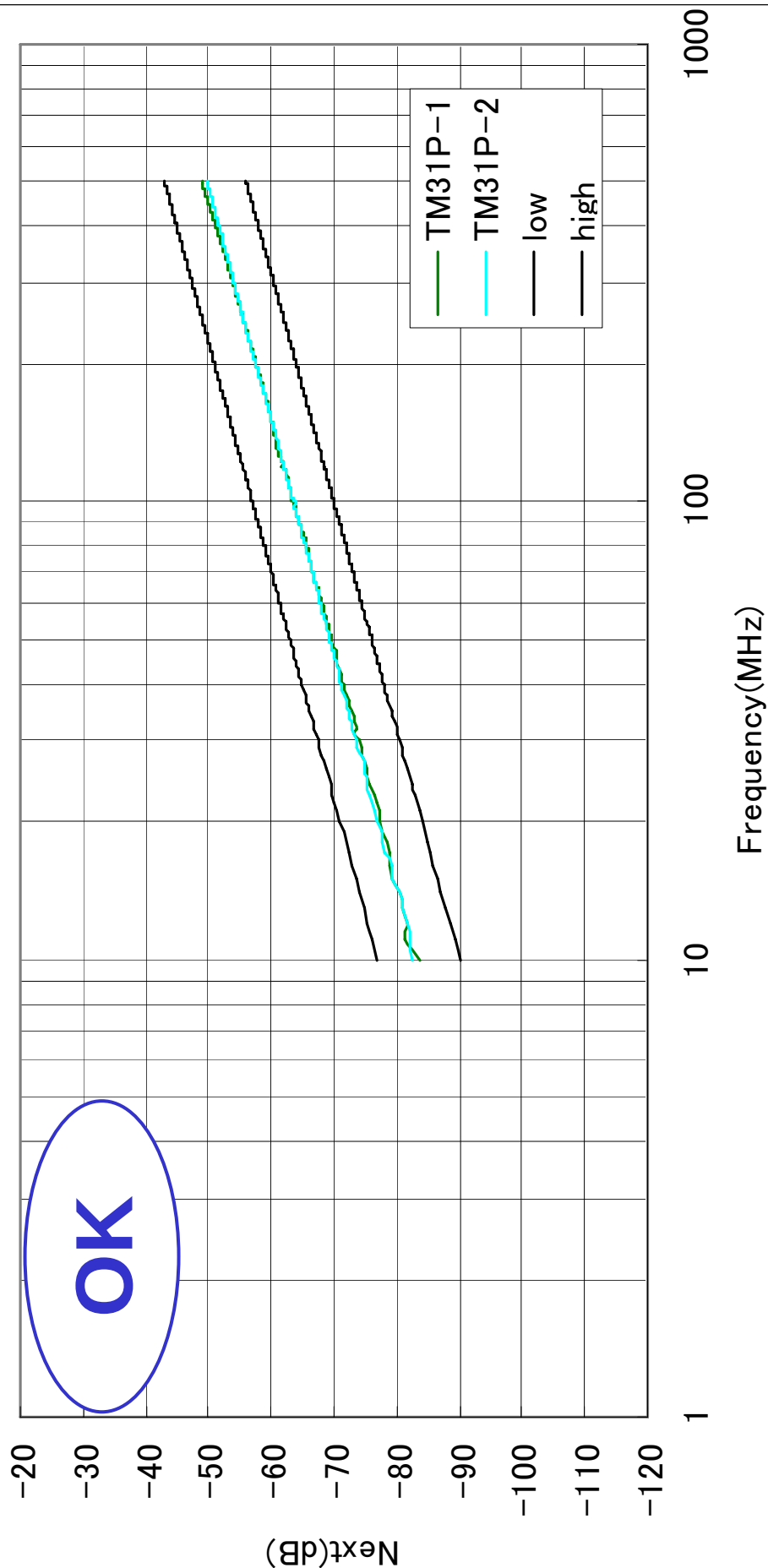
Next12-45



## Plug : TM31P-TM-88P

NEXT45-78

Next45-78



# Plug : TM31P-TM-88P

HRS

NEXT12-78

Next12-78

