



/ 4 monopole antenna
WH-W-EP- M(RSMA) data sheet

1 JUN 2021

NIPPON ANTENNA CO.,LTD.

TEL : 81 - 48 - 569 - 2585

| APPROVED | DESIGNED |
|---|---|
|  |  |

Antenna specifications

1 . Product outline

- 1-1 Name of product : WH-W-EP- M(RSMA)
- cable 200mm WH-W-EP-0.2M(RSMA)
cable 450mm WH-W-EP-0.45M(RSMA)
cable 1000mm WH-W-EP-1M(RSMA)
- 1-2 Antenna type : / 4 monopole antenna




2 . Electrical characteristic

- 2-1 Frequency : 2400 - 2500 MHz
- 2-2 Nominal impedance : 50 ohms
- 2-3 VSWR : 4.0 at the end of the cable.
It is mesured on the free space.
- 2-4 Peak Gain : 3.0 dBi at the end of the cable.
It is mesured on the free space.
- 2-5 Polarization : vertical
- 2-6 Directivity : horizontal plane omni-directional

3 . Manufacture information

- 3-1 Company : Nippon Antenna Co., Ltd.
- 3-2 Location : 7-49-8 Nishi Ogu, Arakawa-ku, Tokyo 116-8561 JAPAN

TLC - 210601 - M01

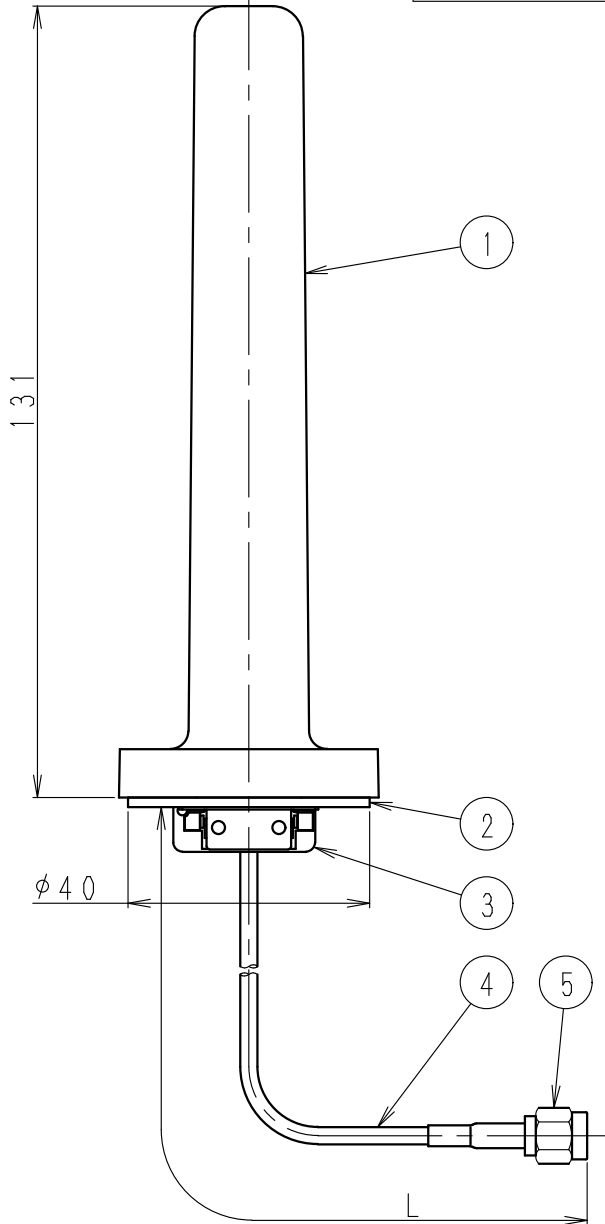
| 承認 | 照査 | D |
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| | | | | | | |
|--|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 |
|--|---|---|---|---|---|---|

| 呼び寸法 RANGE | 許容差の区分 COMMON TOLERANCE | | | |
|---------------|----------------------------|------|------|---|
| ≦ 10 | ±0.1 | ±0.2 | ±0.4 | ± |
| ≦ 25 | ±0.15 | ±0.3 | ±0.6 | ± |
| ≦ 80 | ±0.25 | ±0.5 | ±1.0 | ± |
| ≦ 250 | ±0.4 | ±0.8 | ±1.5 | ± |
| ≦ 1000 | ±1.0 | ±2.0 | ±6.0 | ± |

| NAME OF PRODUCT | L | コネクタ |
|---------------------|--------|--------|
| WH-W-EP-0.2M(RSMA) | (200) | RSMA-P |
| WH-W-EP-0.45M(RSMA) | (450) | RSMA-P |
| WH-W-EP-1M(RSMA) | (1000) | RSMA-P |

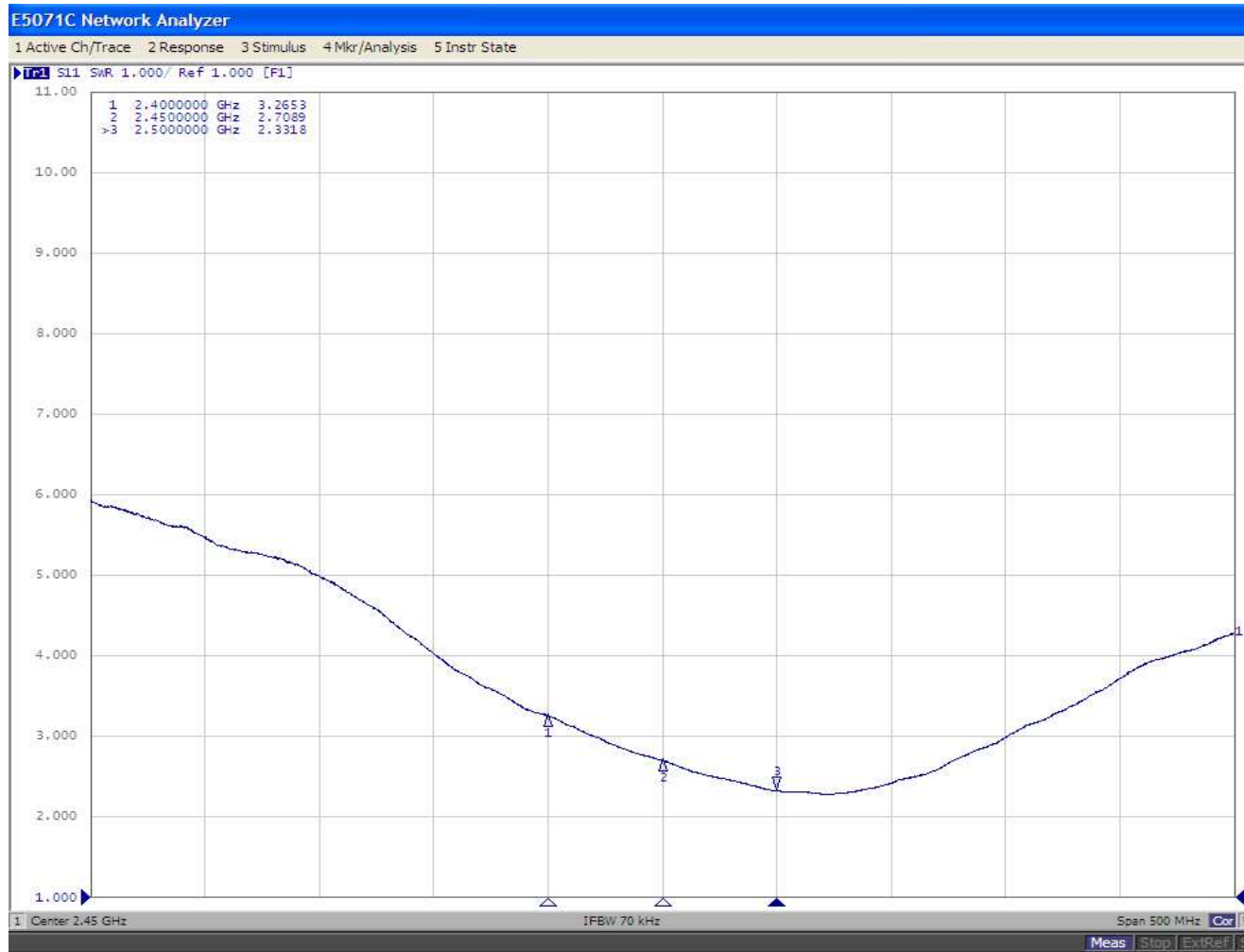


| | | | | | |
|---|-------------------|---|--|--|--|
| 5 | CONNECTOR | 1 | | | |
| 4 | 1.5D CABLE | 1 | | | |
| 3 | ANTENNA SUBSTRATE | 1 | | | |
| 2 | GROUND SUBSTRATE | 1 | | | |
| 1 | COVER | 1 | | | |

| △ | | | | | 部番 ITEM | 名 DESCRIPTION | 称 QUANTITY | 材 MATERIAL | 質・処 TREATMENT | 理 PART | 部 DRAWING No. | 品 No. | 備 NOTE |
|---|-----|------|----------|--------|--------------------------|------------------|---------------|-----------------------|------------------|-----------|------------------|----------|-----------|
| △ | | | | | SCALE | 自由 | 2021.06.02 | DESIGNER | 小島 | 製 | 2021.06.02 | 図 | 小島 |
| △ | | | | | 単位 | m・m | 質量 | DESCRIPTION | | | | | |
| △ | | | | | MICRO CADAM | | | 品名 APPEARANCE DRAWING | | | | | |
| △ | | | | | 日本アンテナ株式会社 | | | 図番 TLC-210601-H01 | | | | | |
| △ | | | | | NIPPON ANTENNA CO., LTD. | | | | | | | | |
| △ | 符号 | 日付 | 変更 | 記事 | 担当 | 承認 | | | | | | | |
| △ | SYM | DATE | REVISION | RECORD | DESIGNER | APPROVED | | | | | | | |

1. VSWR

| | | |
|------------------|----------------------|----------------------------------|
| WH-W-EP- M(RSMA) | the end of ths cable | It is mesured on the free space. |
|------------------|----------------------|----------------------------------|



2. Radiation Pattern(2400-2500MHz)

WH-W-EP- M(RSMA)

the end of the 0.2m cable

It is measured on the free space.

2400 MHz

2450 MHz

2500 MHz

