

2.4GHz Multilayer Monopole Antenna (for Bluetooth®, W-LAN)

Date: Sep/01/2011

AH 212M245001

Shapes

L= 2.0 ± 0.3 mm
 W= 1.25 ± 0.2 mm
 T= 0.85 ± 0.2 mm



*on Taiyo Yuden's Evaluation Board
 (52 x 10 mm)
 *Element-GND Distance : 4.0 mm

Feature

- * Ultra Small
- * Low Profile



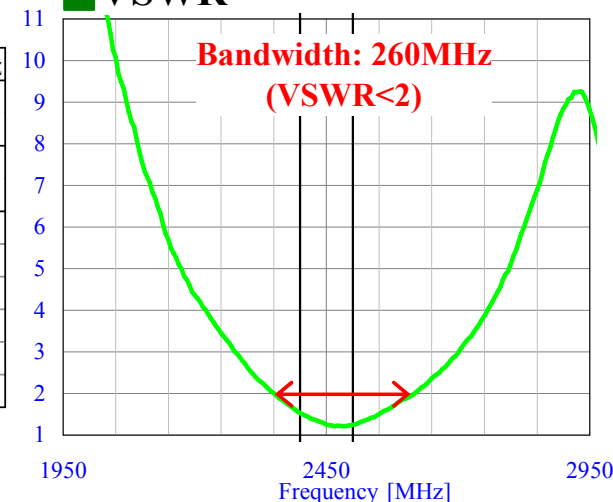
Actual data

Efficiency : -1.8dB (66%)
 Peak Gain : 0.9dBi @2450MHz
 Average Gain : -0.9dBi (ZX plane-Vertical polarization)

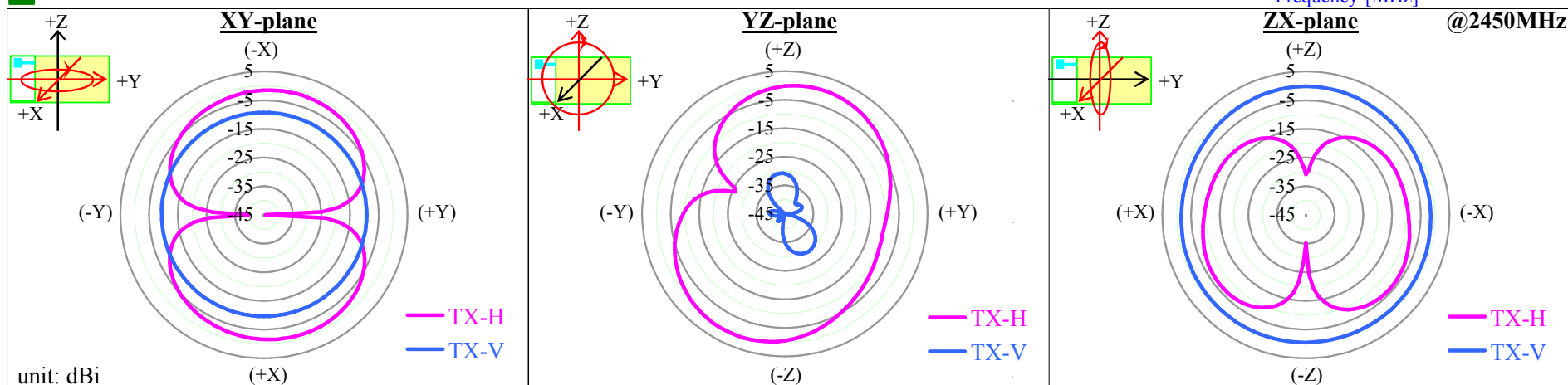
Electrical Characteristics

| | | 2400MHz | 2450MHz | 2500MHz | |
|--------------------|----------|---------------|---------------|---------------|-------|
| Efficiency [dB] | | -1.9 (64%) | -1.8 (66%) | -1.7 (68%) | |
| Peak gain [dBi] | | 0.9 | 0.9 | 1.3 | |
| Average gain [dBi] | XY-plane | TX-H | -4.1 | -4.0 | -3.9 |
| | | TX-V | -9.8 | -9.4 | -8.7 |
| | YZ-plane | TX-H | -3.0 | -3.0 | -2.9 |
| | | TX-V | -35.7 | -35.1 | -34.9 |
| | ZX-plane | TX-H | -10.1 | -9.8 | -9.3 |
| | | TX-V | -1.0 | -0.9 | -0.9 |

VSWR



Radiation Pattern



The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
 TAIYO YUDEN reserves the right to make change to the Date at any time without notice.
 Before making final selection, please check product specification