

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

Date: Sep/01/2011

AH 104F2450S1

Shapes

L= 10.0 ± 0.3 mm
W= 4.0 ± 0.3 mm
T= 1.0 ± 0.3 mm

Feature

- * Wide Band
- * Stable Performance



Actual data

Efficiency : -1.3dB (75%)
Peak Gain : 1.7dBi
Average Gain : 0.4dBi (ZX plane-Vertical polarization)
@2450MHz

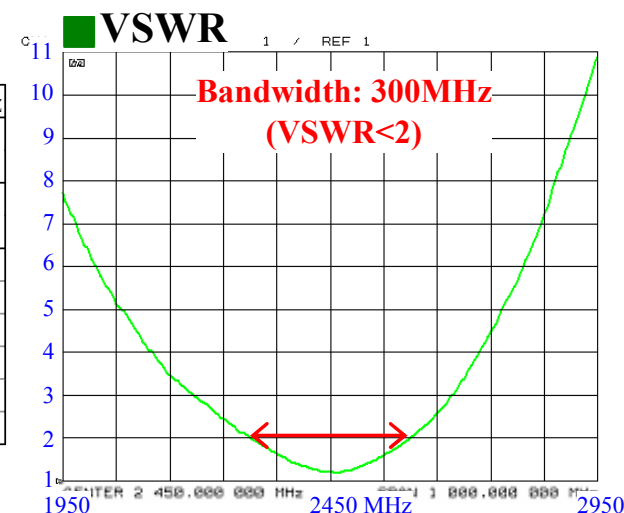


*on Taiyo Yuden's Evaluation Board
(53 x 15 mm)

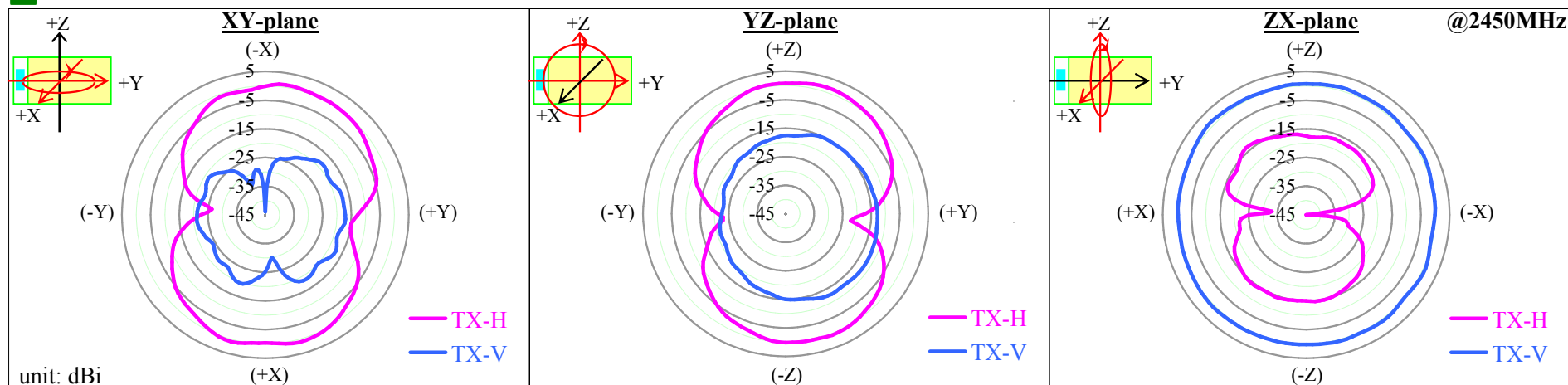
*Element-GND Distance : 1.0 mm

Electrical Characteristics

			2400MHz	2450MHz	2500MHz
Efficiency [dB]			-1.3 (74%)	-1.3 (75%)	-1.3 (73%)
Peak gain [dBi]			1.9	1.7	1.8
Average gain [dBi]	XY-plane	TX-H	-2.5	-2.6	-2.8
		TX-V	-21.3	-21.0	-20.8
	YZ-plane	TX-H	-2.5	-2.6	-2.5
		TX-V	-15.4	-15.6	-15.4
	ZX-plane	TX-H	-17.2	-17.0	-16.9
		TX-V	0.3	0.4	0.3



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