

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

Date: Sep/01/2011

AF 216M245001

Shapes

L= 2.5 ± 0.2 mm
 W= 1.6 ± 0.2 mm
 T= 1.6 ± 0.2 mm

Feature

* Ultra Small
 * Wide Band



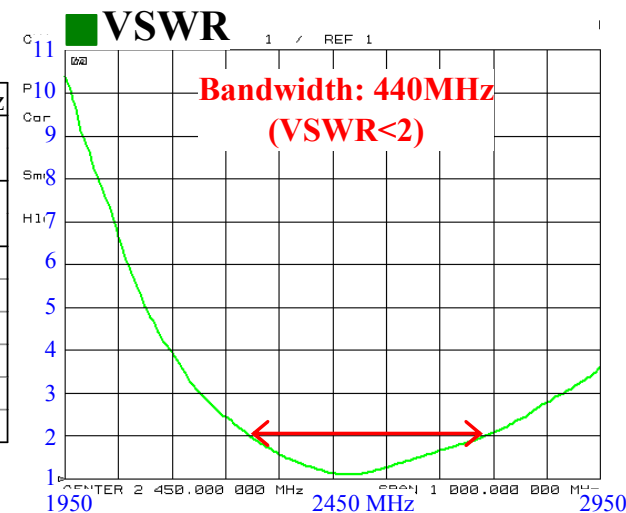
Actual data
 Efficiency : -1.5dB (70%)
 Peak Gain : 1.5dBi @2450MHz
 Average Gain : 0.0dBi (ZX plane-Vertical polarization)



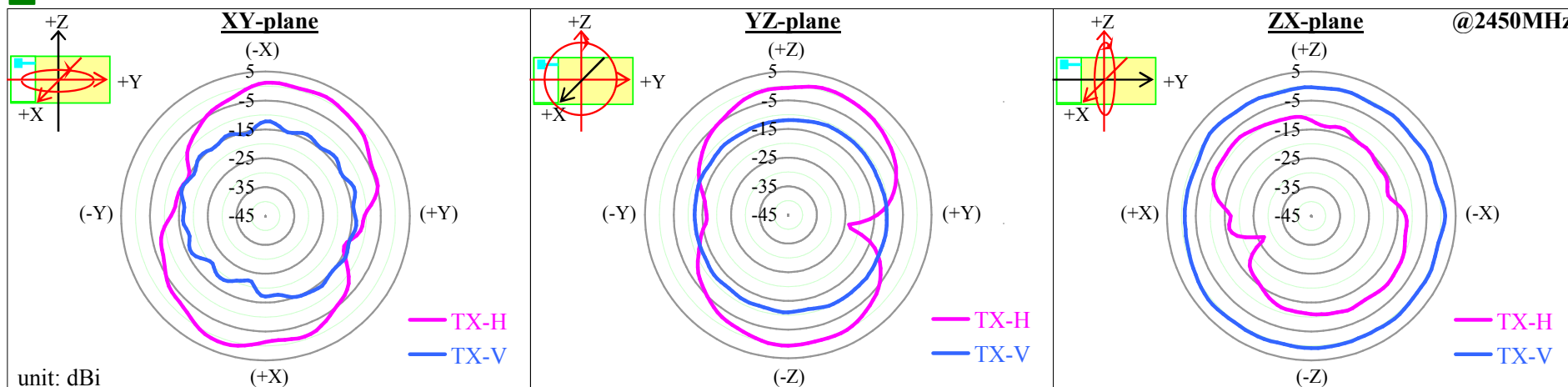
*on Taiyo Yuden's Evaluation Board (52 x 10 mm)
 *Element-GND Distance : 3.5 mm

Electrical Characteristics

		2400MHz	2450MHz	2500MHz	
Efficiency [dB]		-1.6 (69%)	-1.5 (70%)	-1.5 (71%)	
Peak gain [dBi]		1.5	1.5	1.8	
Average gain [dBi]	XY-plane	TX-H	-3.0	-2.8	-2.9
		TX-V	-15.1	-15.2	-15.0
	YZ-plane	TX-H	-2.8	-2.9	-3.2
		TX-V	-11.5	-11.4	-11.1
	ZX-plane	TX-H	-12.0	-11.8	-11.4
		TX-V	0.0	0.0	0.1



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