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

AH 212M245001

Shapes

L= 2.0 $^{+0.3}_{-0.1}$ 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

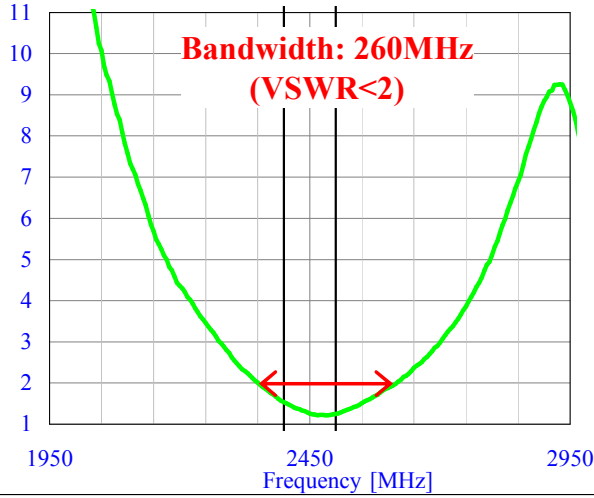
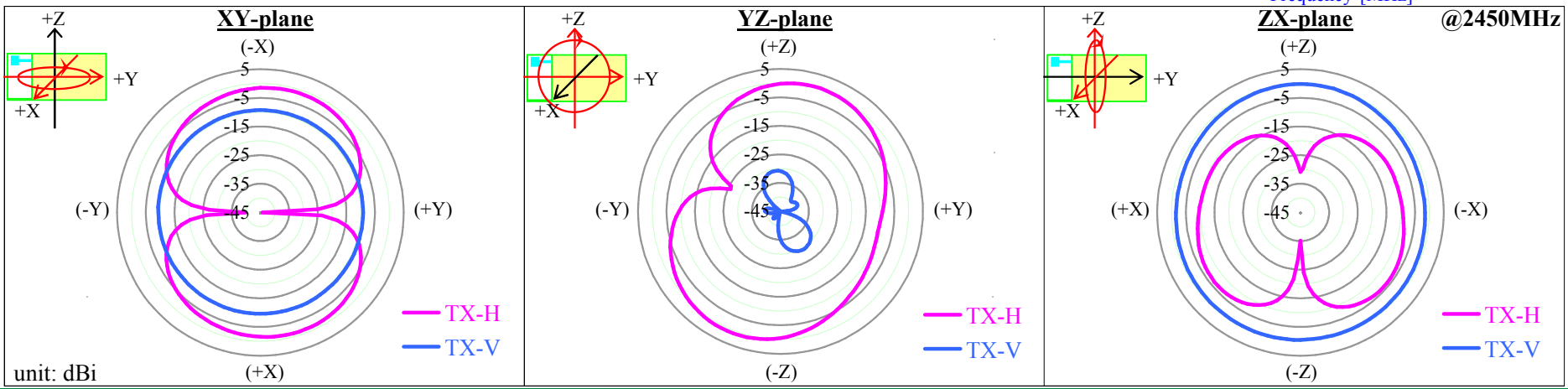
Actual data

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