

2.4 / 5GHz Multilayer Monopole Antenna (for W-LAN)

AH 104N2450D1 (2.4GHz band)

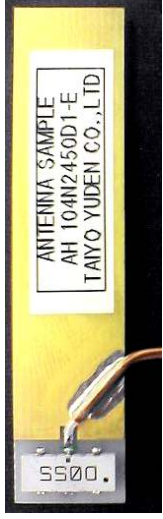
Shapes

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



- * Wide Band
- * High Performance

Efficiency : -
Peak Gain : -
Average Gain : -

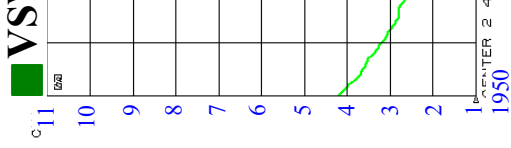


*on Taiyo Yuden's Evaluation Board
(54 x 12 mm)

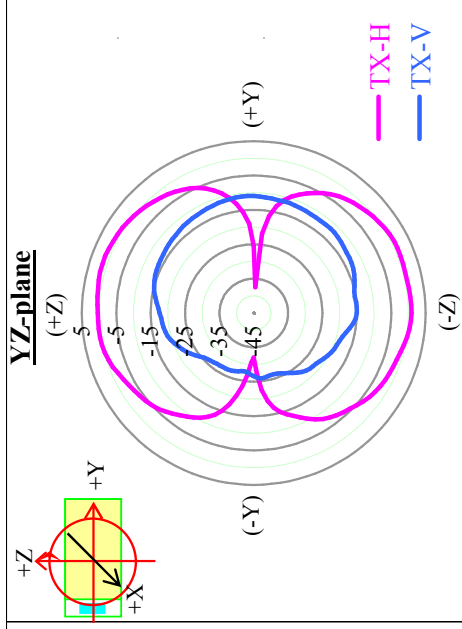
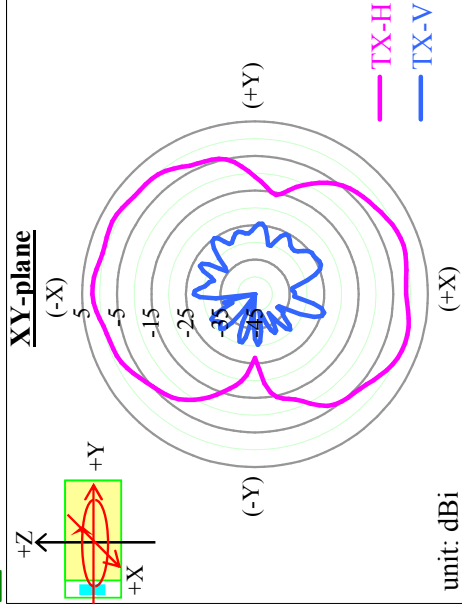
*Element-GND Distance : 1.5 mm

Electrical Characteristics

	2400MHz	2450MHz	2500MHz	
Efficiency [dB]	-1.4 (72%)	-1.3 (73%)	-1.2 (76%)	
Peak gain [dBi]	1.7	2.1	1.4	
Average gain [dBi]	XY-plane	TX-H	-2.6	-2.5
	YZ-plane	TX-V	-29.5	-29.1
	ZX-plane	TX-H	-2.4	-2.5
		TX-V	-15.1	-15.3
		TX-H	-17.1	-16.8
	TX-V	0.3	0.3	0.5



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

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AH 104N2450D1 (5GHz band)

Shapes

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

Feature

- * Wide Band
- * High Performance



Efficiency :
Peak Gain :

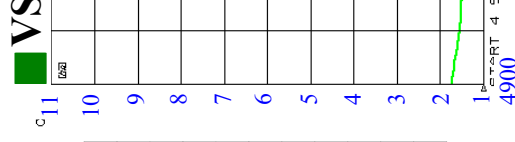


*on Taiyo Yuden's Evaluation Board
(54 x 12 mm)

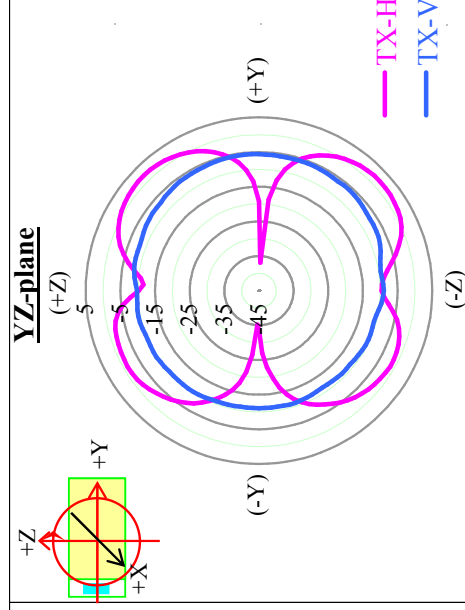
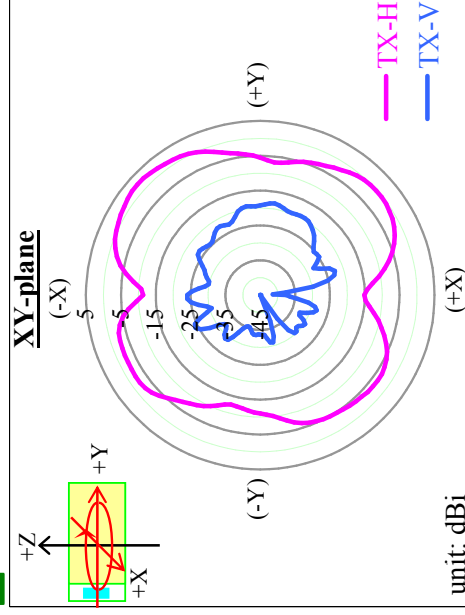
*Element-GND Distance : 1.5 mm

Electrical Characteristics

Efficiency [dB]	4900MHz		5250MHz		5900MHz	
	-2.0 (64%)	2.2	-1.6 (69%)	2.4	-2.0 (64%)	2.4
Peak gain [dBi]	XY-plane		YZ-plane		ZX-plane	
	TX-H		TX-H		TX-H	
	TX-V		TX-V		TX-V	
Average gain [dBi]	XY-plane		YZ-plane		ZX-plane	
	TX-H		TX-H		TX-H	
	TX-V		TX-V		TX-V	



Radiation Pattern



unit: dBi

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