

## 안테나 특성 확인 결과

항 목	결 과
공중선의 종류 및 형태	종 류 : Chip Antenna 형 태 : 외관사진첨부
공중선의 이득 및 지향특성	1.8dBi
공중선의 편파특성	수직편파
송신장치와의 접속형태	내장형
공중선의 제작자 및 모델명	제작자: TAIYO YUDEN 모델명: AH 083F245001
이득 측정기관명	TAIYO YUDEN

※안테나 위치 : 적색 사각형



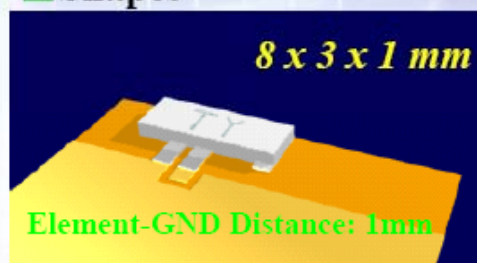
## 2.4GHz Multilayer Antenna : AH 083F245001

Small / Stable Performance /Inverted-F

Efficiency > -1.7dB (71%)  
 Peak Gain > +1.1dBi  
 Average Gain > +0.0dBi (ZX plane-Vertical polarization)

*Confidential*

### Shapes

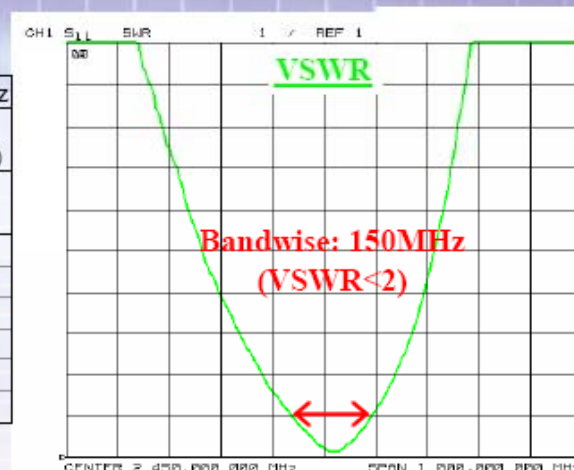


\*on Taiyo Yuden's Evaluation Board

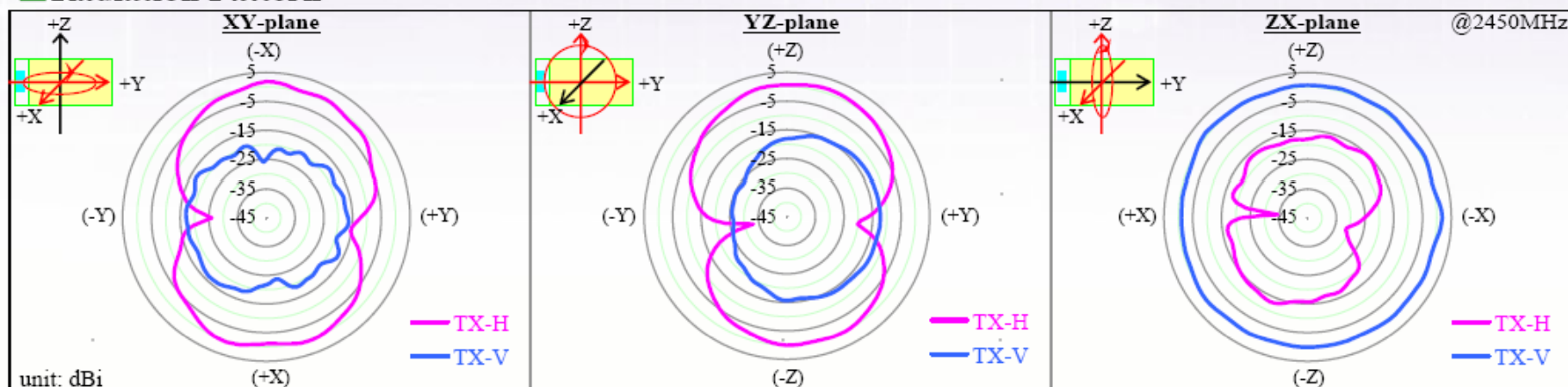
\*GND size on evaluation board: 45x15mm

### Electrical Characteristics

			2400MHz	2450MHz	2500MHz
Efficiency	[dB]		-1.7 ( 67%)	-1.5 ( 71%)	-1.5 ( 71%)
Peak gain	[dBi]		1.3	1.8	1.1
Average gain [dBi]	XY-plane	TX-H	-2.9	-2.6	-2.9
		TX-V	-20.1	-18.7	-18.1
	YZ-plane	TX-H	-2.8	-2.7	-2.9
		TX-V	-16.3	-16.1	-16.6
	ZX-plane	TX-H	-17.2	-17.3	-17.5
		TX-V	0.0	0.2	0.1



### Radiation Pattern



TAIYO YUDEN