

2.5GHz Multilayer Inverted-F Antenna (for WiMAX and TD-LTE Band 38)

Date: Sep/01/2011

AH 104F2650S1

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 : -1.7dB (68%)
 Peak Gain : 1.1dBi @2590MHz
 Average Gain : -0.2dBi (ZX plane-Vertical polarization)



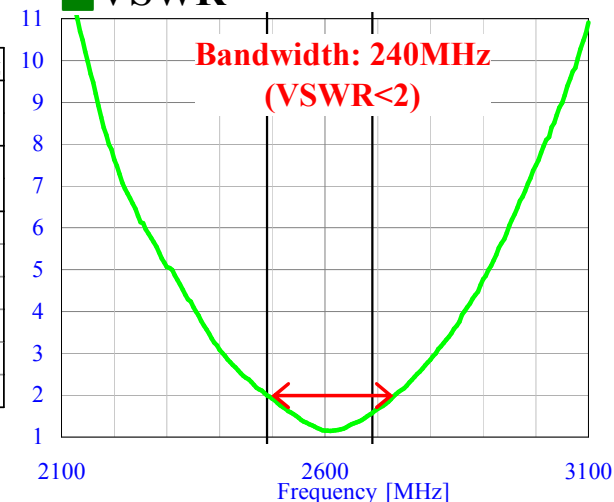
*on Taiyo Yuden's Evaluation Board
 (53 x 15 mm)

*Element-GND Distance : 1.0 mm

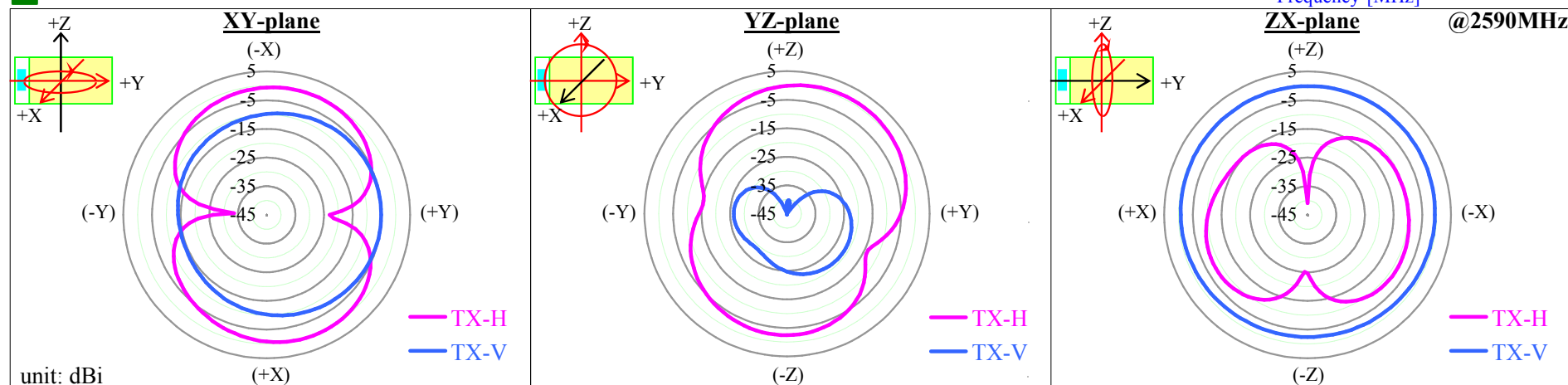
Electrical Characteristics

			2490MHz	2590MHz	2690MHz
Efficiency [dB]			-1.9 (65%)	-1.7 (68%)	-1.6 (69%)
Peak gain [dBi]			0.8	1.1	1.6
Average gain [dBi]	XY-plane	TX-H	-2.5	-2.2	-2.2
		TX-V	-7.0	-6.6	-6.2
	YZ-plane	TX-H	-0.3	0.0	-0.1
		TX-V	-31.7	-29.3	-26.7
	ZX-plane	TX-H	-12.3	-12.4	-11.8
		TX-V	-0.6	-0.2	0.1

VSWR



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