

Preliminary

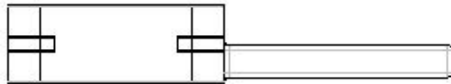
Notice, this is not final specification

Some parametric factors are subject to change

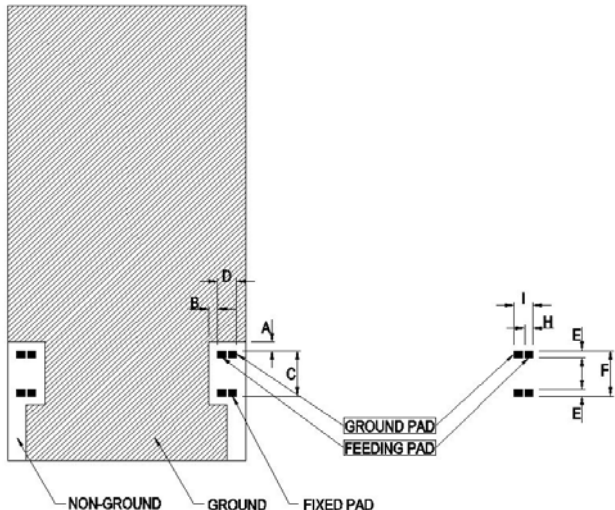
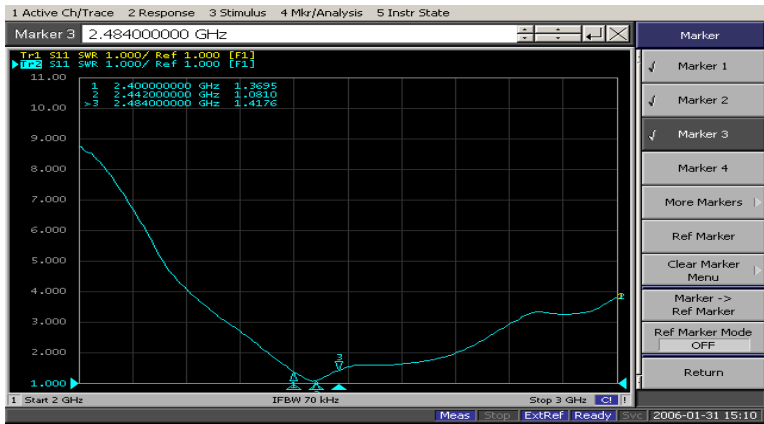
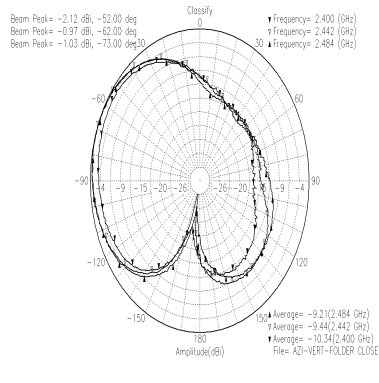
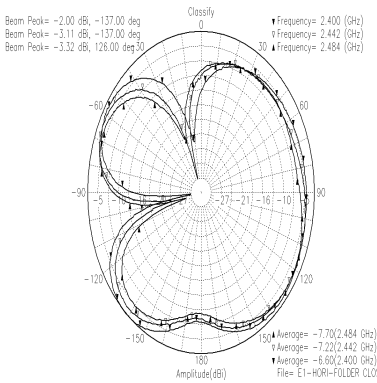
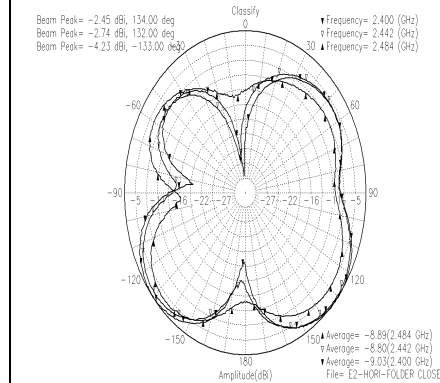
CHIP ANTENNA (For Bluetooth)

연구팀/MA 사업부

ACE Technology Co., LTD

Features <ul style="list-style-type: none">✓ Slim, High gain and multi-band✓ Available size : 8×3×1.5 mm✓ Embodies properties in real device	
Applications <ul style="list-style-type: none">✓ Bluetooth, W-LAN	
Description <ul style="list-style-type: none">✓ The chip antenna is intended for use with 2.4 GHz applications.	

Chip Antenna properties	
Description	Value
Product name	Bluetooth chip antenna
Frequency	2.4 ~2.484 GHz
VSWR	>3:1
Actual Peak Gain (dBi)	-0.97 dBi
Polarization	Linear
Operating Temperature(°C)	-40 ~ + 85
Impedance(Ω)	50
Weight(g)	

Test board characteristics		
Description	Dimensions	
<p>The 0803 Test board designed for evaluation purpose for SMD.</p> <p>The board is fitted with the SMA connector.</p>		
Voltage Standing Wave Ratio(VSWR)		
		
Radiation patterns		
 <p>Azimuth-vertical</p>	 <p>Elevation1-horizontal</p>	 <p>Elevation2-horizontal</p>

Antenna Dimensions

Part No	Width(mm)	Width(mm)	Thickness(mm)	Land(mm)	
	(A)	(B)	(C)	(D)	(E)
	8.0	3.0	1.5	1.2	1.2
공차	±0.1			±0.1	

Antenna Lay-out

The image contains two diagrams illustrating antenna layout design.

The left diagram shows a detailed layout with labels for "NON-GROUND", "GROUND", "FIXED PAD", "GROUND PAD", and "FEEDING PAD". Dimensions A through I are indicated, showing the placement of the antenna relative to the ground plane and the feeding structure.

The right diagram shows a simplified layout with dimensions 1.5 and a label "SMT POINT", indicating the placement of the antenna relative to the ground plane and the feeding structure.

[illegible]

