



Laipac Technology Inc.

WLP 2.400 RF & Cordless Phone Antenna

1 Application

The antenna specified in this specification is applicable for the cordless phone

2 Dimensions

As per Drawing No. RA7007901B006A-288 attached.

3 Materials

As specified in drawing No. RA7007901B006A-288

4 Electrical Characteristics

- i) Resonate Frequency : 2450 ± 50 MHZ
- ii) Return loss : -10 dB or less
- iii) Radiation Pattern : Omni Directional
- iv) Polarization : Vertical
- v) Standing Wave Ratio(S.W.R): 2.0 or less
- vi) Insulation resistance : 500M ohm at DC 500V

5 Mechanical Characteristics

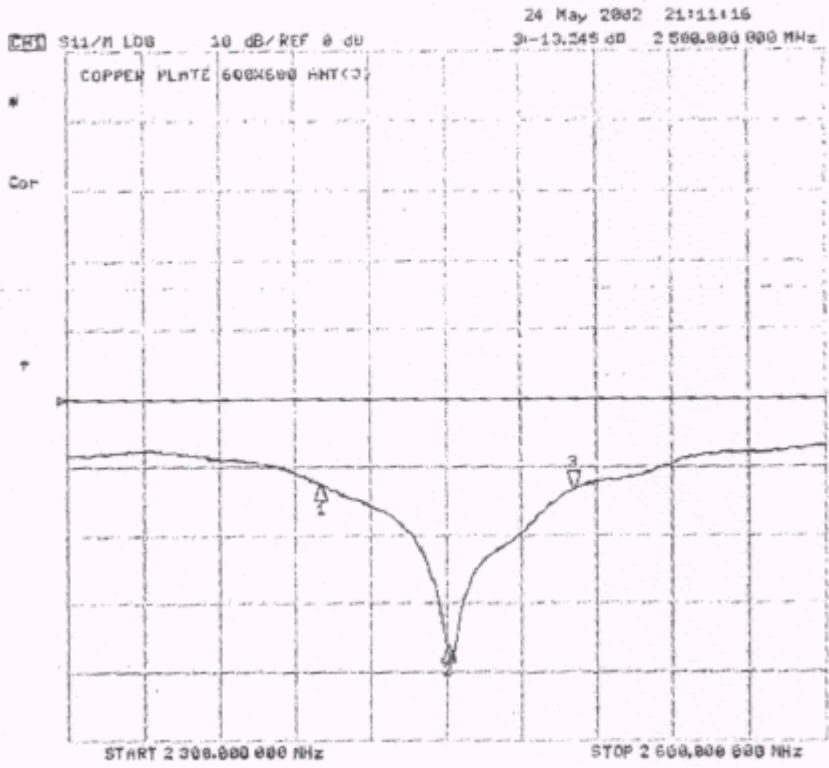
- i) The strength of fixing between sleeve and stud shall withstand the following stresses

Vertical Direction : 2.0 kgs
Rotating Direction : 2.0 kgcm

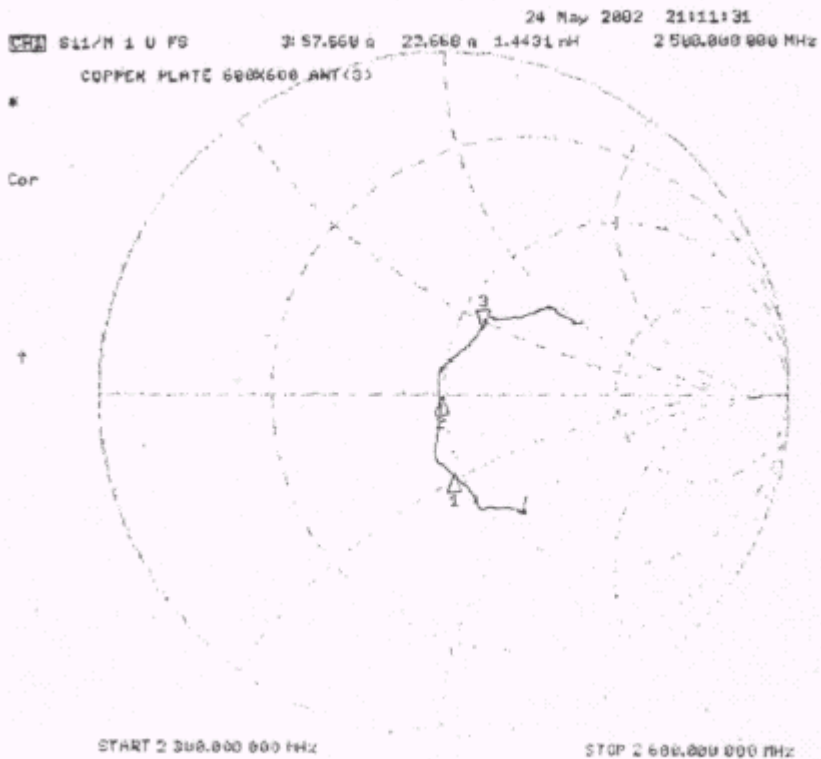
6 General Characteristics

- i) Storage Temperature : -30°C to 80°C
- ii) Operating Temperature : -30°C to 60°C
- iii) Vibration Test : There shall be no defects in appearance or the mechanical and electrical functions after the antenna being tested by a regular mounting device under the following conditions:
 - a) Displacement : $\pm 5^{\circ}\text{C}$ of the axis original position
 - b) Duration : 1000 cycles/minutes
 - c) Time : 5 minutes
- iv) Shock Resistance : Satisfy the electrical and mechanical characteristics after drop down with 100g upon rubber

SA0201241(1) RA-70079(288-006/A)



CH1 Markers
 11-12.472 dB
 2.40000 GHz
 21-35.269 dB
 2.45000 GHz



CH1 Markers
 11-47.445 dB
 -23.734 dB
 2.40000 GHz
 21-49.111 dB
 -1.1563 dB
 2.45000 GHz