



Laipac Technology Inc.

WLP 916 RF & Cordless Phone Antenna

1 Application

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

2 Dimensions

As per Drawing No. RA1406801B001A-373 attached.

3 Materials

As specified in drawing No. RA1406801B001A-373

4 Electrical Characteristics

- i) Resonate Frequency : 916±20 MHZ
- ii) Return loss : -6 dB or less
- iii) Radiation Pattern : Omni Directional
- iv) Polarization : Vertical
- v) Standing Wave Ratio(S.W.R): 3.0 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

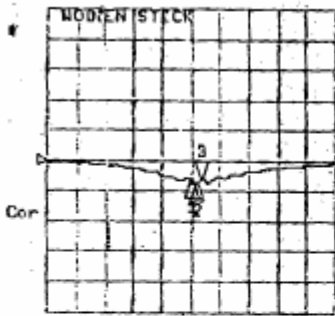
Vertical Direction : 2.0 kgs
Rotating Direction : 2.0 kgcm

6 General Characteristics

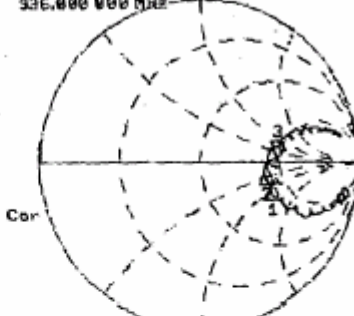
- i) Storage Temperature : -30°C to 80°C
- ii) Operating Temperature : -30°C to 60°C
- ii) Vibration Test : There shall be no defects in appearance or the mechanical and electrical functions after the antenna being tested by a regular mounting device under the following conditions:
 - a) Displacement : ±5°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

LOG 10 dB/REF 0 dB
 S11/M 3: -1.3529 dB 936.000 000 MHz

24 Dec 2002 23:13:44
 CH2 S11/M 1:U F8
 3: 141.53 0 07.172 0 1.2195 nH
 936.000 000 MHz



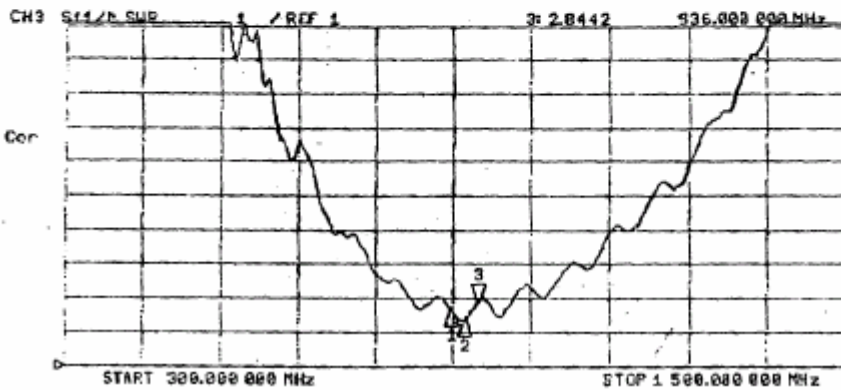
CH2 Markers
 1: -6.6724 dB
 896.000 MHz
 2: -7.6813 dB
 916.000 MHz



CH2 Markers
 1: 121.94 0
 -36.580 0
 896.000 MHz
 2: 118.82 0
 -0.4500 0
 916.000 MHz

START 300.000 MHz STOP 1500.000 MHz

START 300.000 MHz STOP 1500.000 MHz



CH3 Markers
 1: 2.7259
 896.000 MHz
 2: 2.3979
 916.000 MHz