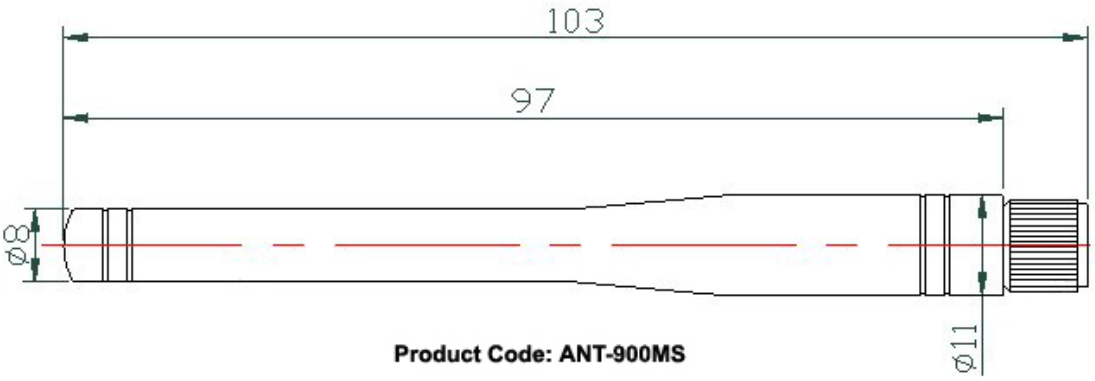
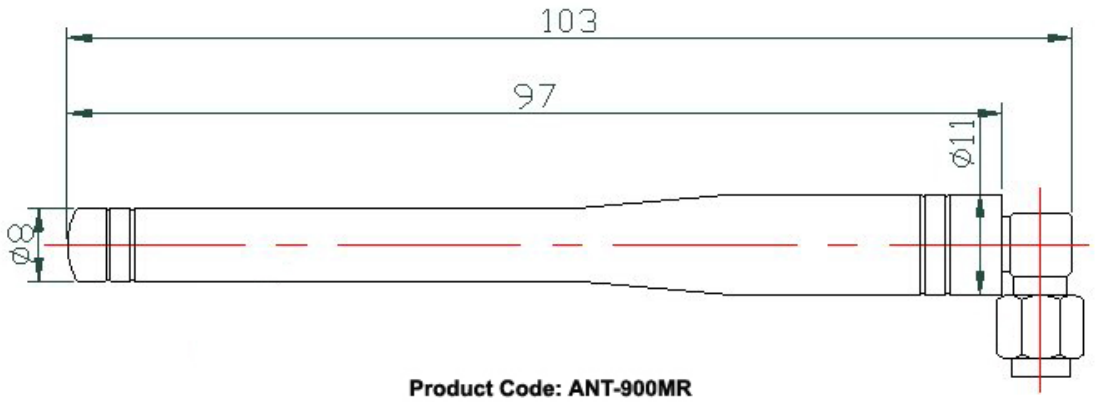
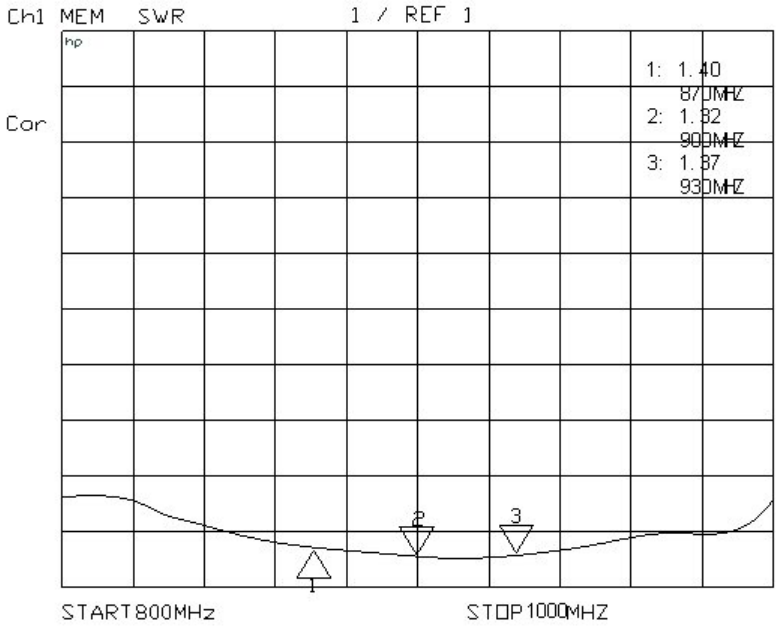
Specification Sheet 900MHz Antennas



Product Code: ANT-900MS



Product Code: ANT-900MR



Wells Road, Chilcompton, Radstock, Somerset BA3 4EY UK
Tel: +44(0)176 123 9267 Fax: +44(0)176 123 3162
www.active-robots.com enquiries@active-robots.com

Specification Sheet 900MHz Antennas

1. Application: Transceiver purposes
2. Dimensions: As per drawings
3. Materials:
4. Electrical Characteristics
    i) Resonant Frequency: 900MHz
    ii) Return Loss: -17 dB or less
    iii) Radiation Pattern: Omni Directional
    iv) Polarization: Vertical
    v) Standing Wave Ratio(S.W.R.): ≤ 1.7
    vi) Insulation resistance: 500Mohm @ DC 500V

5. Pulling test performance
    i) Between sleeve and cap: 15lbs for 3 sec
    ii) Between connector and sleeve: 15lbs for 3 sec
    iii) Between coaxial wire and connector: 15lbs for 1min

6. General Characteristics
    i) Storage Temperature: -30˚ to + 75˚
    ii) Operating Temperature: -30˚ to + 75˚
    iii) Vibration Test: There shall be no defects in appearance or the mechanical and electrical functions after the antenna being tested by regular mounting device under the following conditions:
    a) Displacement: ±5˚ of axis original position
    b) Duration: 1000 cycles/minute
    c) Time: 5 minutes
    iv) Shock Resistance: Satisfy the electrical and mechanical characteristics after drop down with 100g upon rubber block

Wells Road, Chilcompton, Radstock, Somerset BA3 4EY UK
Tel: +44(0)176 123 9267 Fax: +44(0)176 123 3162
www.active-robots.com enquiries@active-robots.com