

Product features


- Frequency: 860-930MHz
- Suits both 868MHz and 915 MHz bands
- Vertically polarized
- Max Gain: 4 dBi
- Omnidirectional
- High efficiency



Specifications


| Electrical Specifications | |
|---------------------------------|----------------------------------|
| Frequency Range (MHz) | 860-930 |
| Tape width (MHz) | 70 |
| Input Impedence (Ω) | 50 |
| V.S.W.R | ≤ 1.5 |
| Gain (dBi) | 4 ± 0.3 |
| Polarization Type | Vertical polarization |
| Radiation Direction | Omni |
| Half power corner($^{\circ}$) | H 360 $^{\circ}$ /E 8 $^{\circ}$ |
| Max Input Power (w) | 100 |

| Mechanical Specifications | |
|---------------------------|---|
| Antenna size (mm) | $\Phi 20 \times 400$ |
| Antenna cover material | Fiber glass |
| Connect Type | N-J |
| Operating Temperature | -20 $^{\circ}\text{C} \sim +85^{\circ}\text{C}$ |
| Storing Temperature | -40 $^{\circ}\text{C} \sim +85^{\circ}\text{C}$ |
| Mounting | U bracket installation |
| Lightning protection | DC grounding |
| Wind resistance | 60m/s |
| Pole | $\phi 25 \sim \phi 50$ mm |
| Weight (g) | 320 |

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Efficiency vs gain

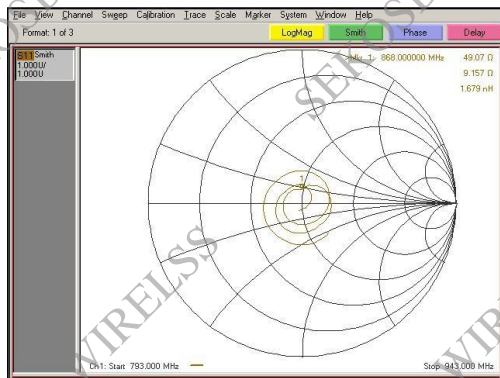
| Frequency (MHz) | Efficiency (%) |
|-----------------|----------------|
| 860.0 | 78.96 |
| 865.0 | 78.34 |
| 870.0 | 79.14 |
| 875.0 | 80.73 |
| 880.0 | 81.08 |
| 885.0 | 79.49 |
| 890.0 | 81.36 |
| 895.0 | 81.23 |
| 900.0 | 78.25 |
| 905.0 | 78.64 |
| 910.0 | 78.57 |
| 915.0 | 76.48 |
| 920.0 | 75.87 |
| 925.0 | 73.29 |
| 930.0 | 71.66 |

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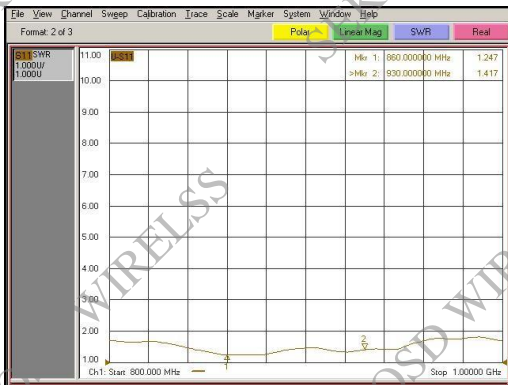
Return Loss




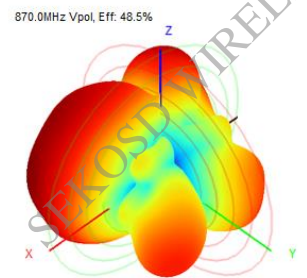
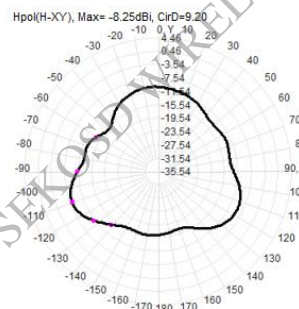
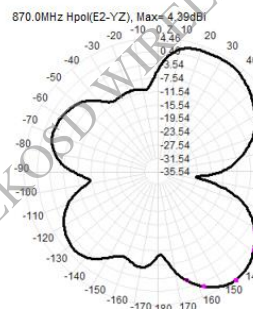
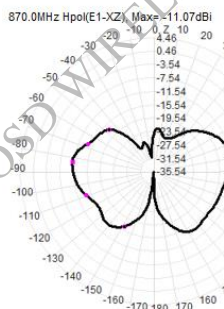
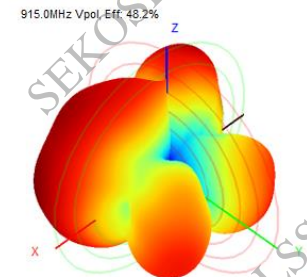
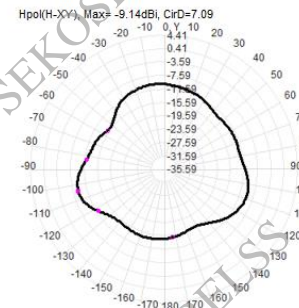
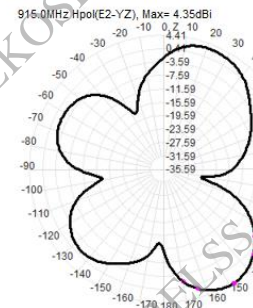
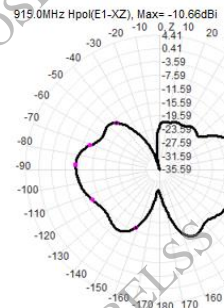
Smith Chart:




VSWR



| | | |
|--|-------------------|--------------|
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Antenna pattern
870 MHz

915 MHz


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|---|---|--------------|
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