

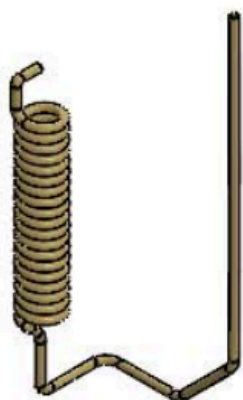
Omni-Directional 315MHz embedded antenna

PROTOTYPE

Embedded truncated monopole antenna for 315MHz band with through hole solder mount

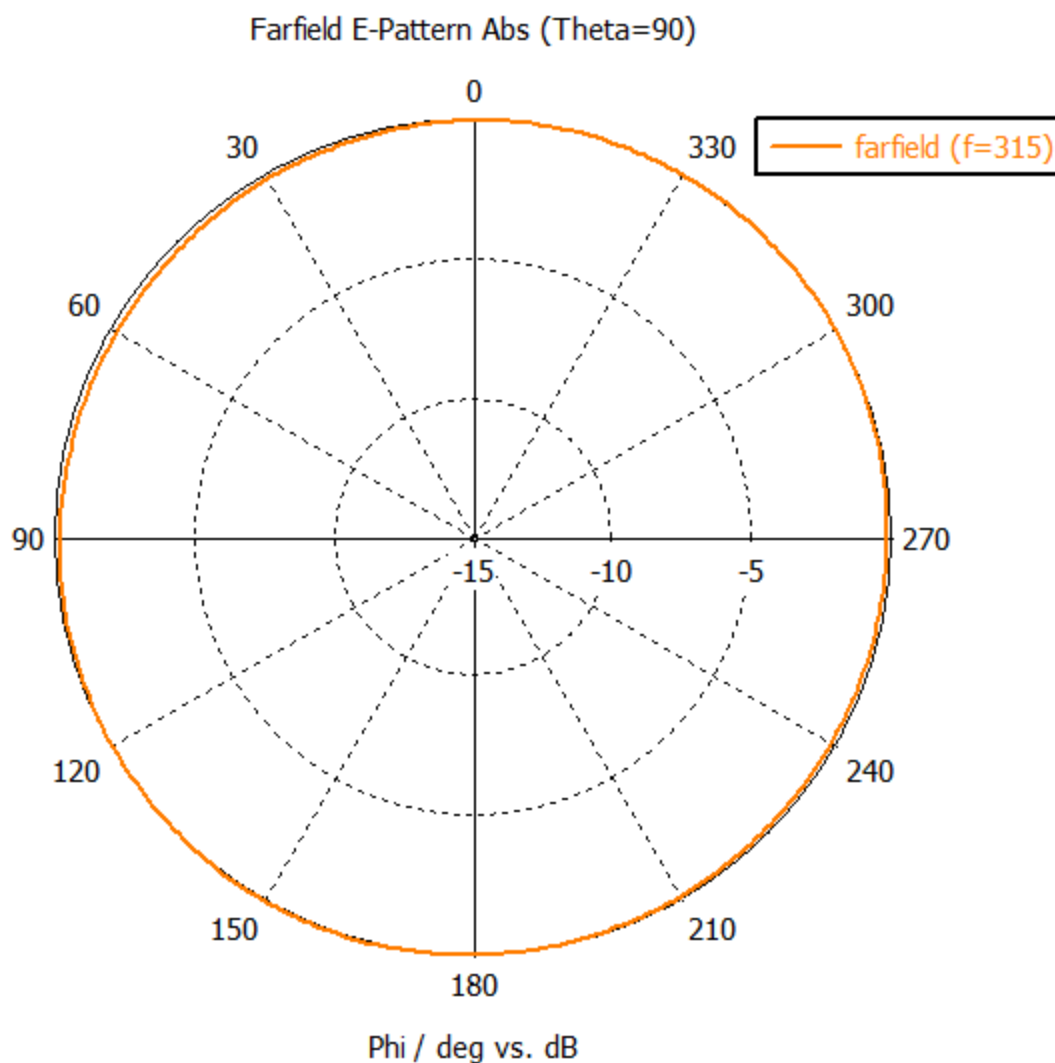
| Electrical Specifications | |
|---------------------------|----------------------------------|
| Antenna Type | PCB Fed Truncated Monopole |
| Frequency Band | 315MHz |
| Gain | 1.25dBi |
| Pattern | Omnidirectional |
| Return Loss | -12dB(nominal) |
| Connector/Feed | Embedded PCB through hole solder |

| Mechanical/Environmental Specifications | |
|---|-------------------------------|
| Materials | Tin Plated formed wire |
| Mounting | Through Hole PCB solder mount |
| Dimensions | 1.15mm diameter wire |



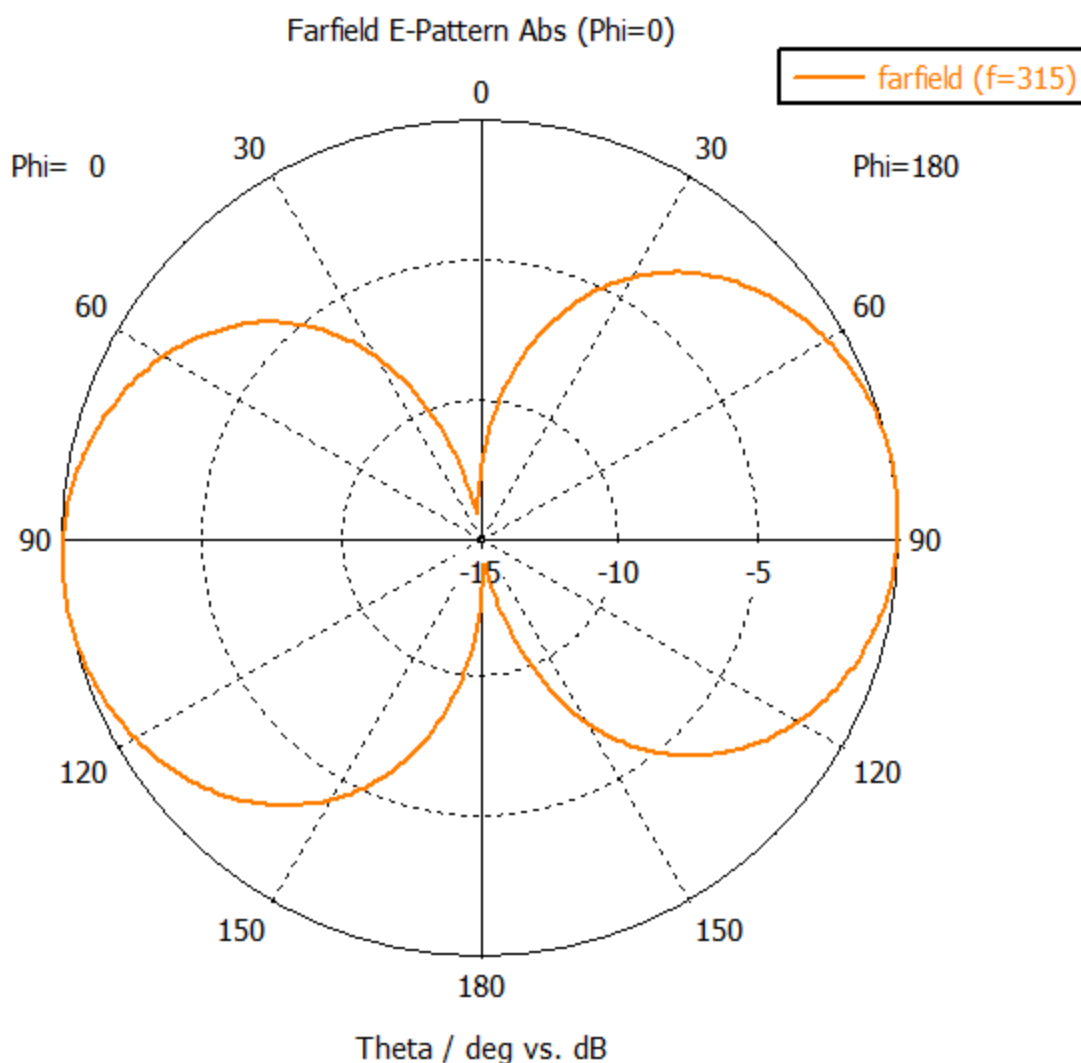
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Azimuth: $\Theta=0^\circ$ (normalized to 0dB)



Omni-Directional 315MHz embedded antenna

Elevation: $\phi=0^\circ$ (normalized to 0dB)



Omni-Directional 315MHz embedded antenna

Elevation: $\phi=90^\circ$ (normalized to 0dB)

