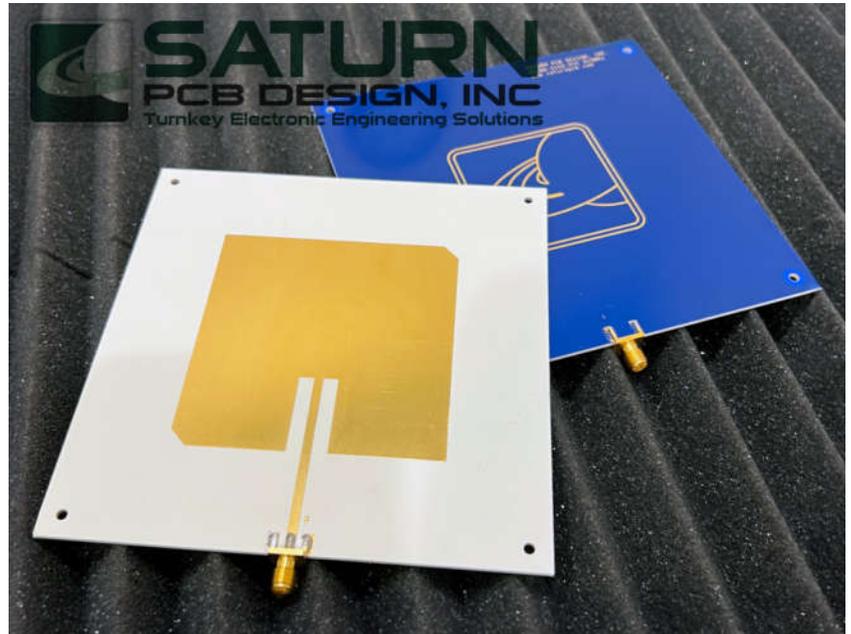


915MHz Patch Antenna
Part Number: SPCBD-S102-07E

Features

- 915MHz Center Frequency
- 50 Ohm Impedance
- VSWR: 1.11
- Return Loss: 26dB
- Bandwidth: 7MHz
- Gain: 4.36dBi
- Single Patch Design
- Vertical Polarization
- SMA Connector
- Operating Temperature:
-65°C to 165°C



Product Link:

<https://www.saturnpcb.com/pa915/>

Applications

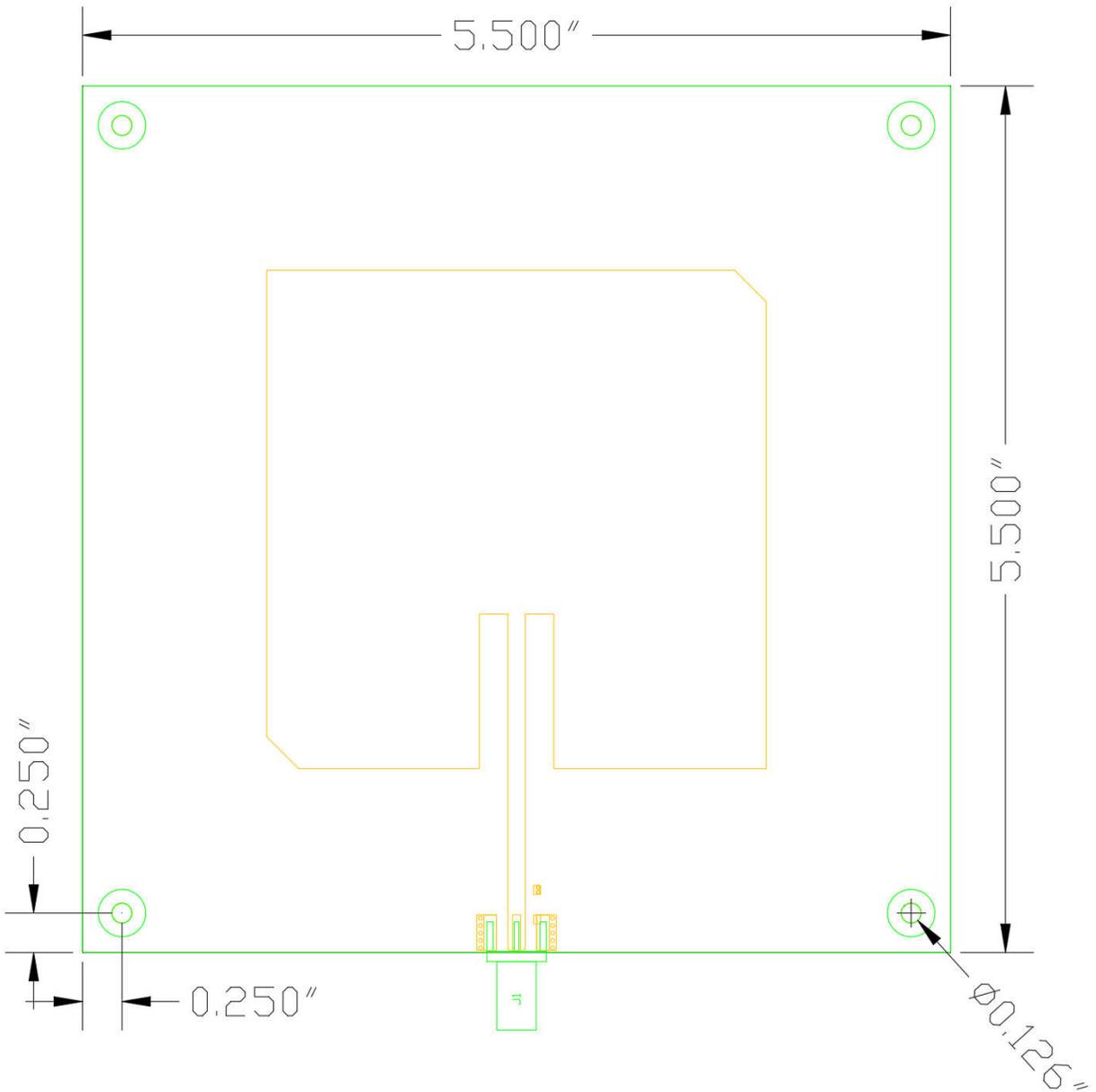
- ISM Band radios
- Back-scatter type RFID systems

Description

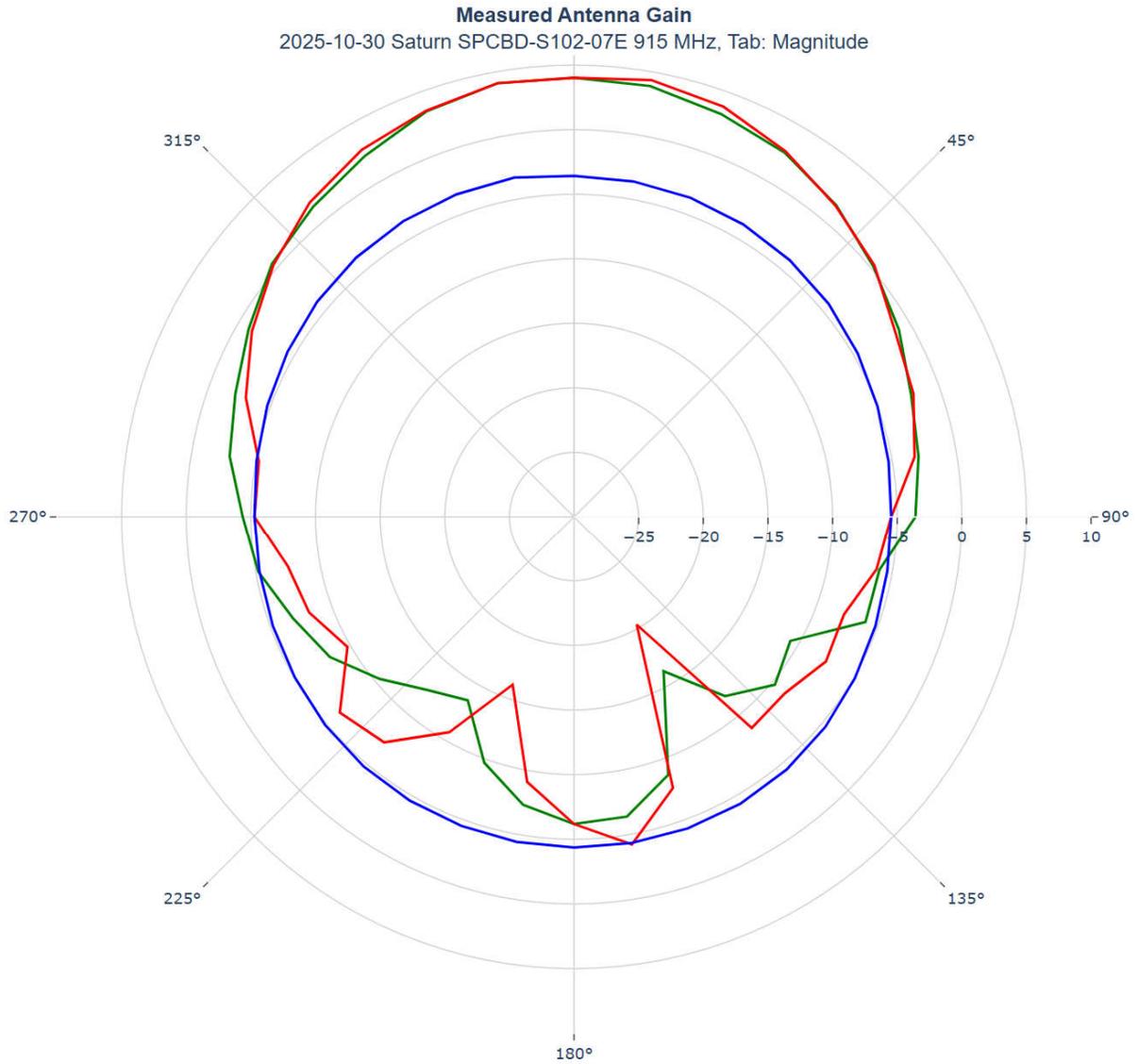
The SPCBD-S102-07E is a low-cost solution for ISM band applications as well as back scatter type RFID systems that require a high-performance antenna. It utilizes a single patch design with a 915MHz center frequency and is manufactured using high temperature [Kappa 438](#) for durability in extreme conditions.

Dimensions

L•W•H: 5.5"•5.5"•0.062"



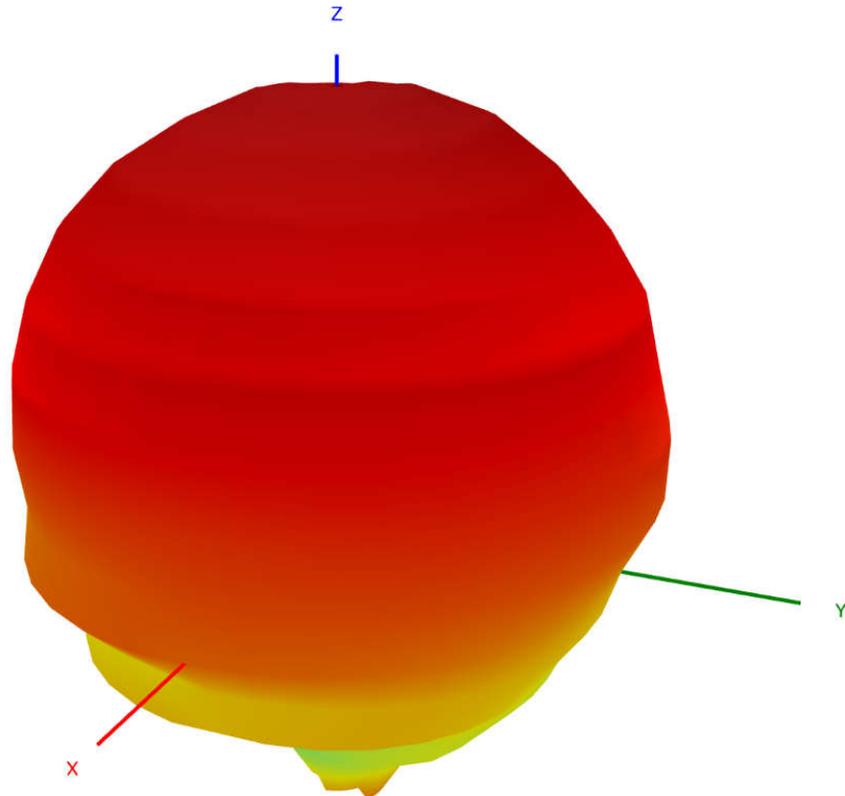
Radiation Pattern



Radiation Pattern (cont)

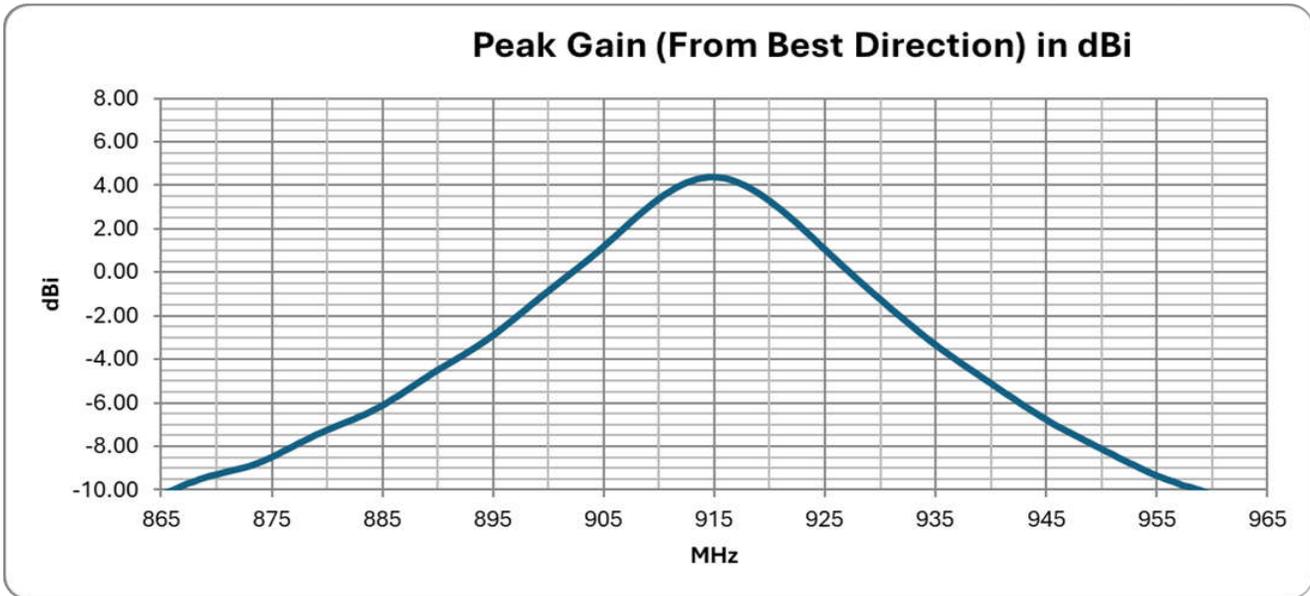
Measured Antenna Gain

2025-10-30 Saturn SPCBD-S102-07E 915 MHz, Tab: Magnitude

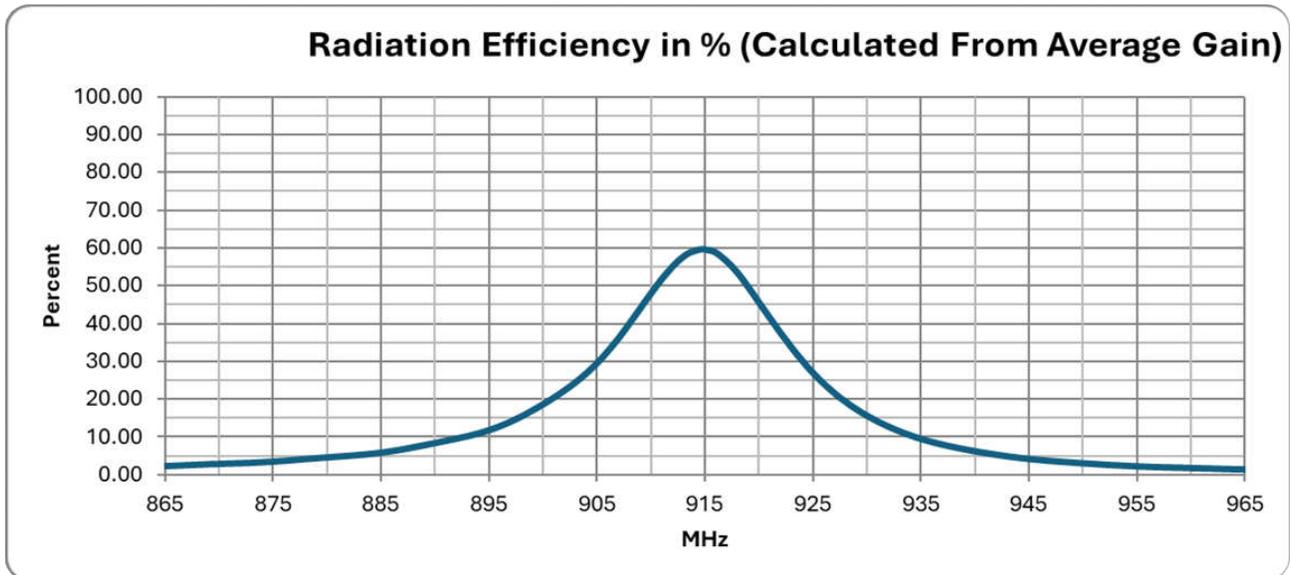




Peak Gain

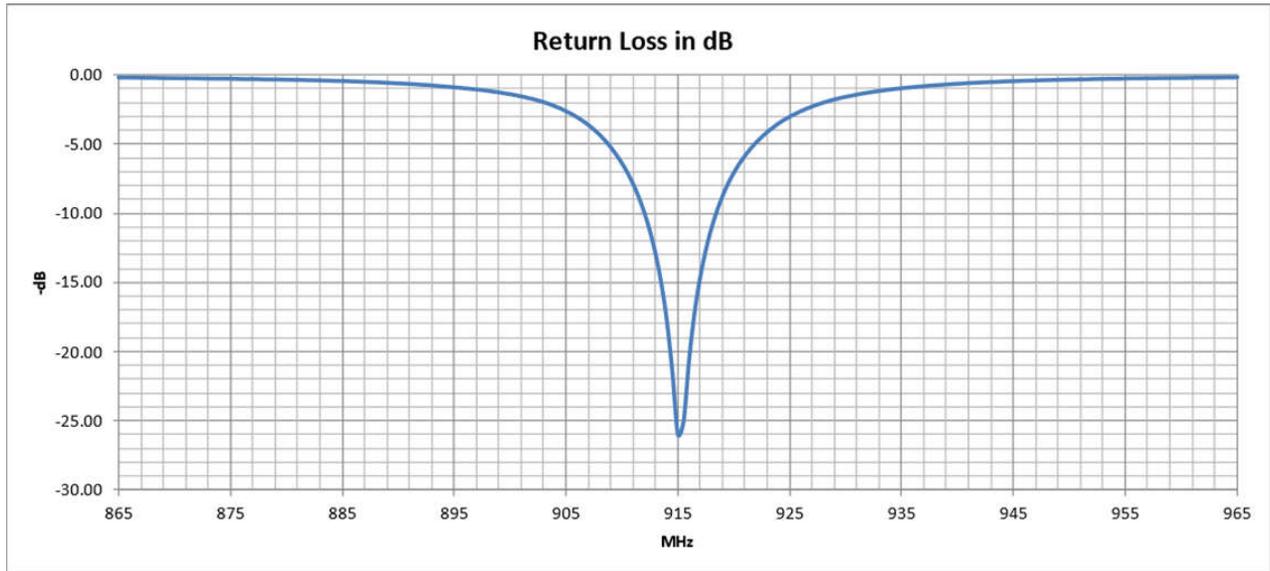


Efficiency





Return Loss



VSWR

