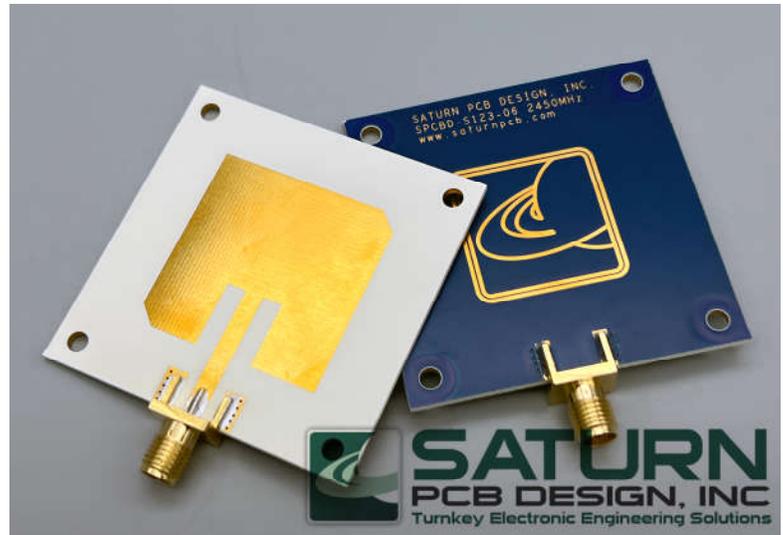


2.45GHz Patch Antenna

Part Number: SPCBD-S123-06

Features

- 2.45GHz Center Frequency
- 50 Ohm Impedance
- VSWR: 1.03
- Return Loss: -35dB
- Bandwidth: 32MHz
- Gain: 4.07dBi
- Single Patch Design
- Vertical Polarization
- SMA Connector
- RoHS Compliant
- Operating Temperature:
-65°C to 165°C



Product Link:

<https://saturnpcb.com/2-45ghz-patch-antenna/>

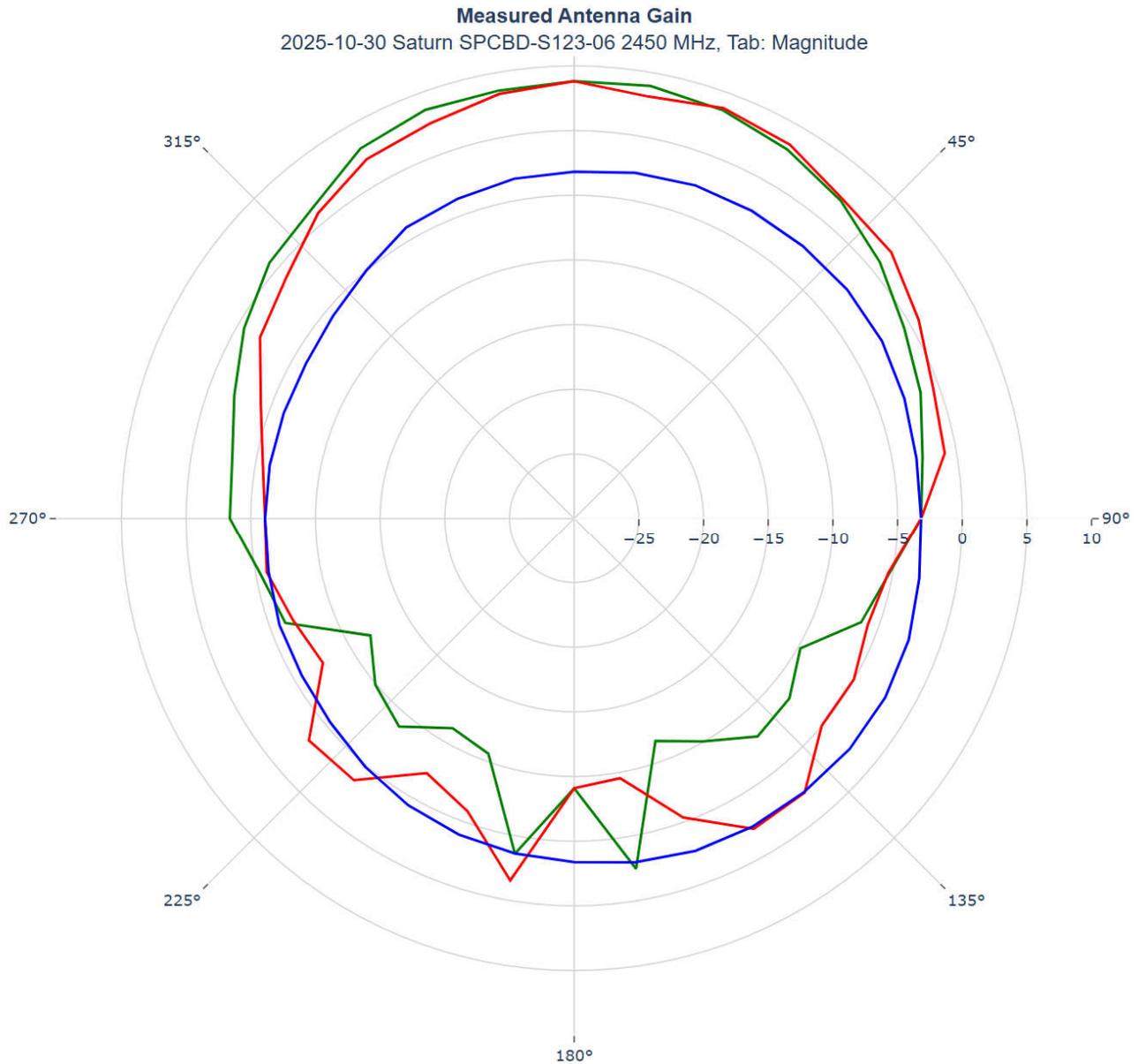
Applications

- ISM Band radios
- 802.15.4, Bluetooth, WiFi

Description

- The SPCBD-S123-06 is a low-cost solution for ISM band applications as well as 802.15.4, Bluetooth & WiFi applications that require a high-performance antenna. It utilizes a single patch design with a 2.45GHz center frequency and is manufactured using high temperature [Kappa 438](#) for durability in extreme conditions.

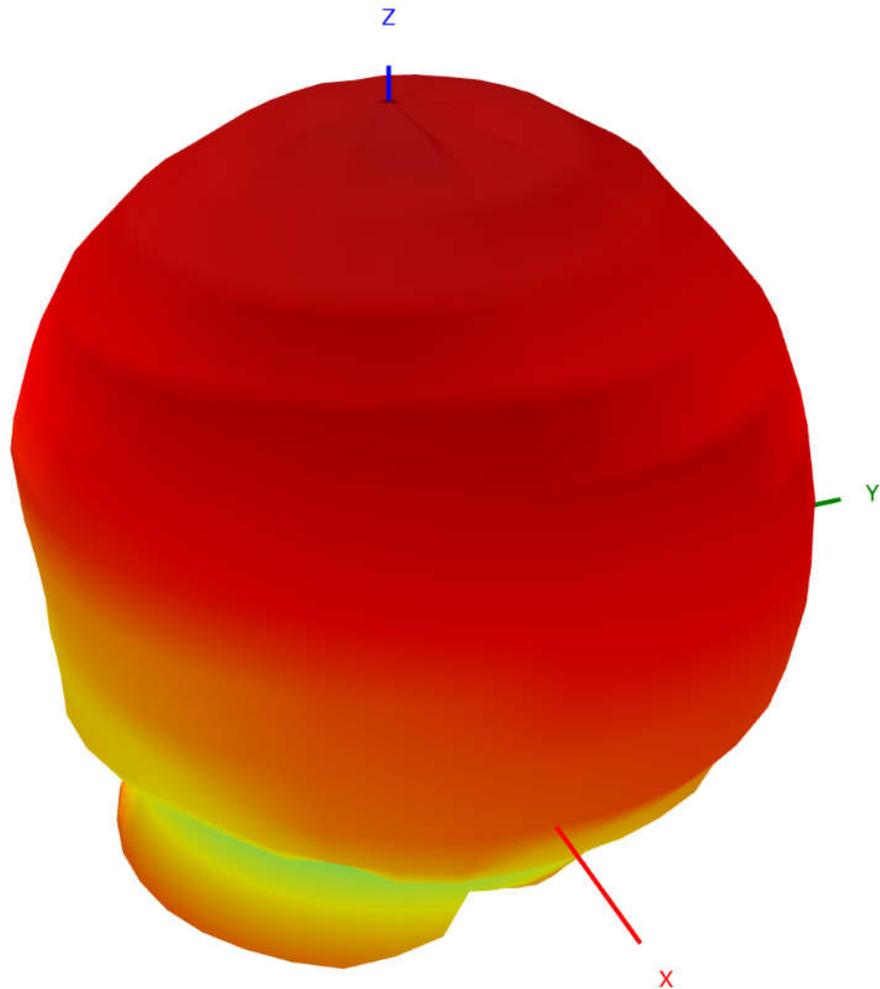
Radiation Pattern



Radiation Pattern (cont)

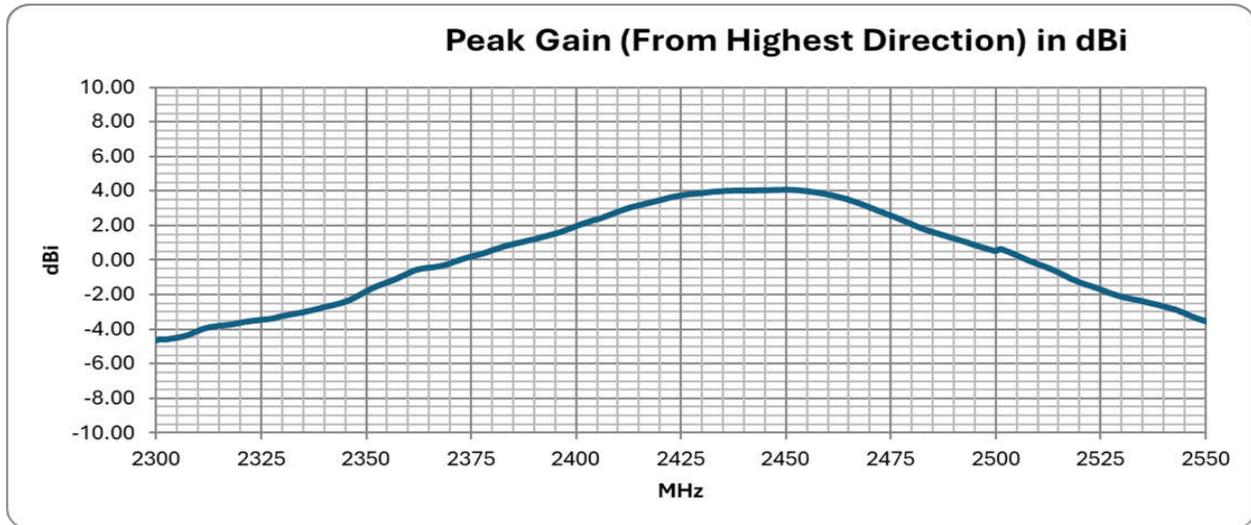
Measured Antenna Gain

2025-10-30 Saturn SPCBD-S123-06 2450 MHz, Tab: Magnitude

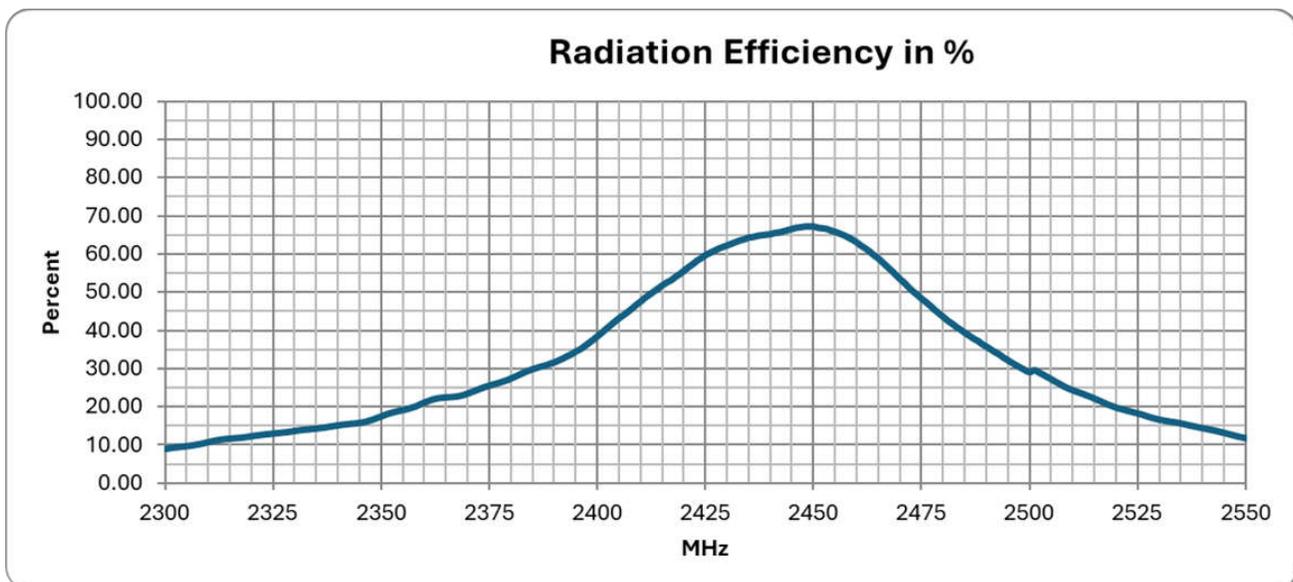




Peak Gain

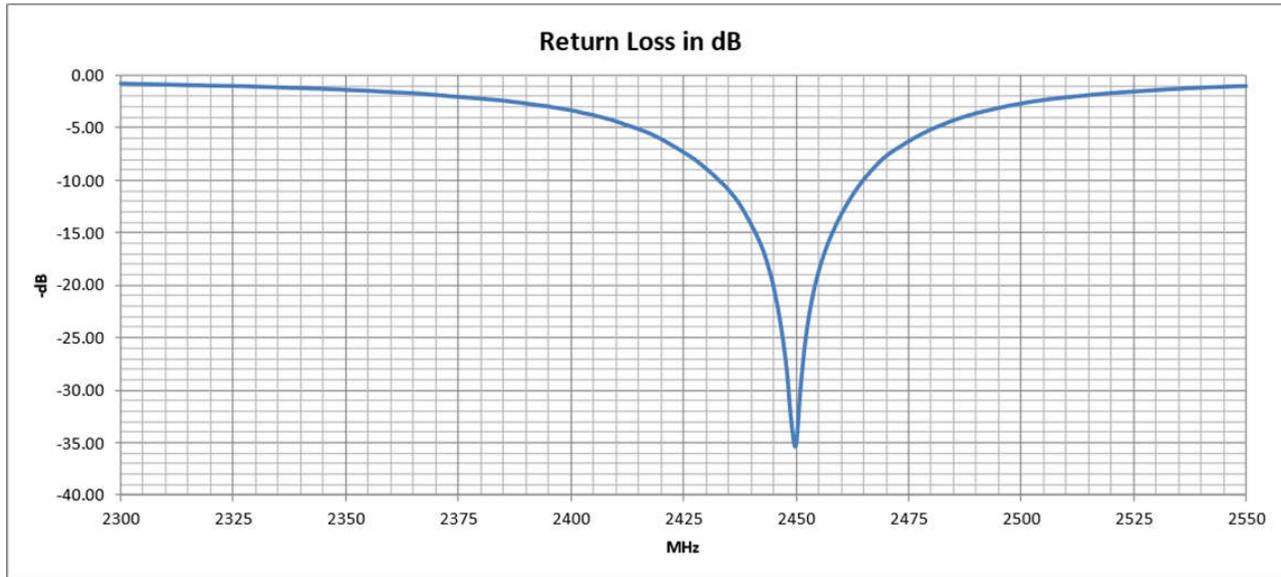


Efficiency





Return Loss



VSWR

