

WPANT10018-CF

2.4 GHz Wi-Fi / Bluetooth Flex Antenna



Description / Application

This 2.4 GHz Flexible Antenna is very small and can be installed inside any wireless device with proper application support (needs to be integrated in a certain fashion). This Antenna can be soldered directly to the circuit board of a wireless device.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist to trouble shoot system integration issues such as TRP/TIS and FCC requirements. We specialize in developing customized Antenna solutions. Please contact sales@worldproducts.com with your specific application requirements.

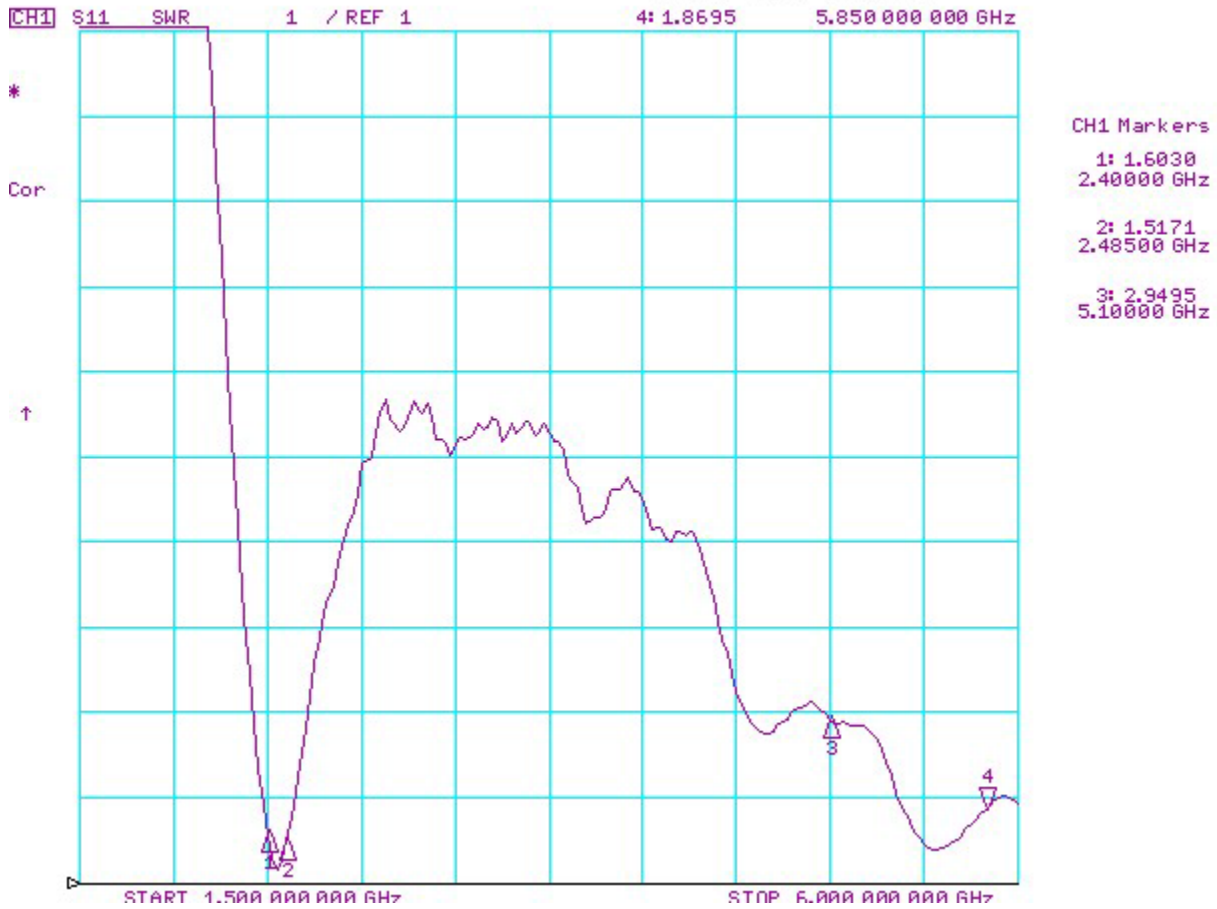
Electrical Properties

Operating Frequency	2.4 – 2.5 GHz
Approximate Antenna Impedance [Ω]	50 Ω
VSWR – Typical	< 2:1
Peak Gain [dBi] (Typical)	0.5 to 1 dBi
Efficiency [%] (Typical)	~ 40 %
Polarization	Linear
Pattern	Near Isotropic

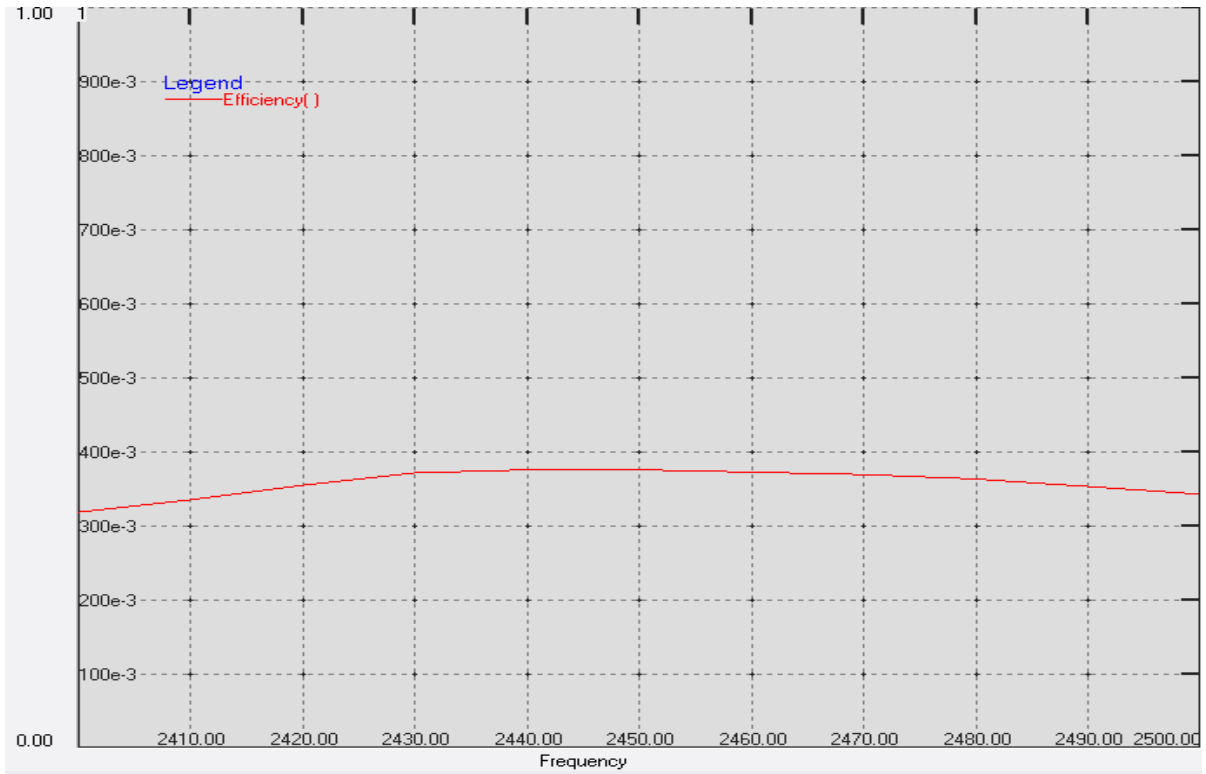
Mechanical / Environmental Properties

Antenna Dimensions	0.8" X 0.26" X 7.8 mils (20mm X 6.7mm X 0.2mm)
Antenna Color	Green
Operating / Storage Temperature	-40°C to +90°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

VSWR of the Antenna



Total Radiation Efficiency of the Antenna in % (including VSWR losses)



Peak Gain of the Antenna in dBi

