

WPANT10148-S1A

Dual-band Wi-Fi thin FPC Antenna



WPANT10148-S1A 95 mm long 1.13 coax cable with IPX/MHF

Note: Different cable and connector style requests can be accommodated.

Application

A thin FPC antenna for wireless devices operating at 2.4 GHz and 5 GHz Wi-Fi frequencies.

We can assist your engineers to optimize mounting positions for these antennas in your specific application and can further assist with 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	5.15 – 5.875 GHz
Approximate Antenna Impedance [Ω]	50 Ω	50 Ω
VSWR (Typical)*	< 2:1	< 2.5:1
Peak Gain [dBi] (Typical)	2 dBi	3.2 dBi
Efficiency [%] (Typical)	60%	50%
Polarization	Linear	Linear
Pattern	Near Omni-directional	Near Omni-directional

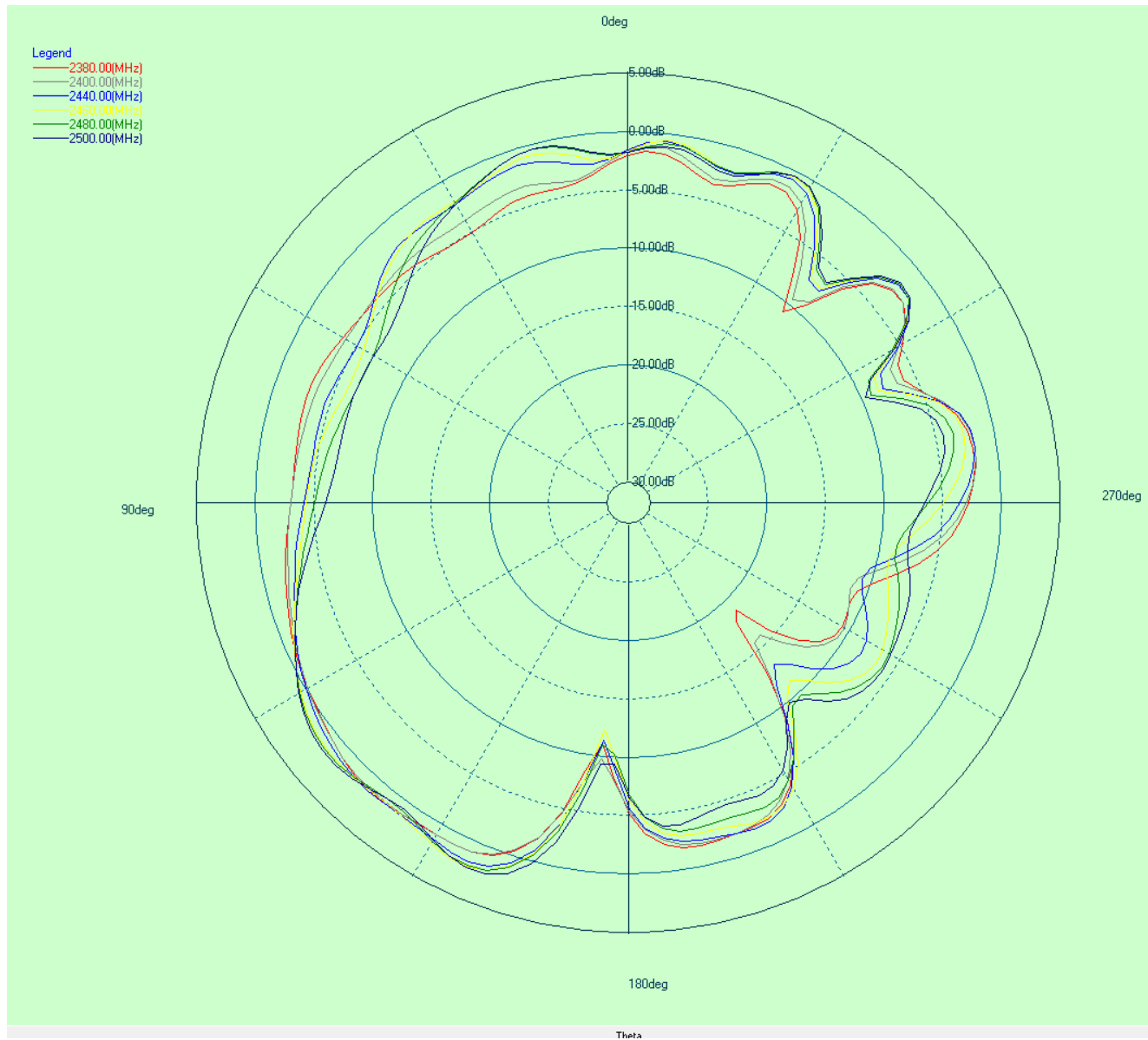
*Note: This performance metric varies according to the device environment in which the antenna is installed.

Mechanical / Environmental Properties

Antenna Dimensions	1.10" x 0.39" x 0.005" (28mm x 10mm x 0.127mm)
Antenna Color	Black
Tape	3M 300LSE double stick tape on the bottom side
Cable	1.13mm coax cable
Cable length	95 mm
Connector	IPX/MHF
Operating / Storage Temperature	-40°C to +125°C
Environmental	Meets standards for UL 94V-0
Hazardous Materials	RoHS Compliant

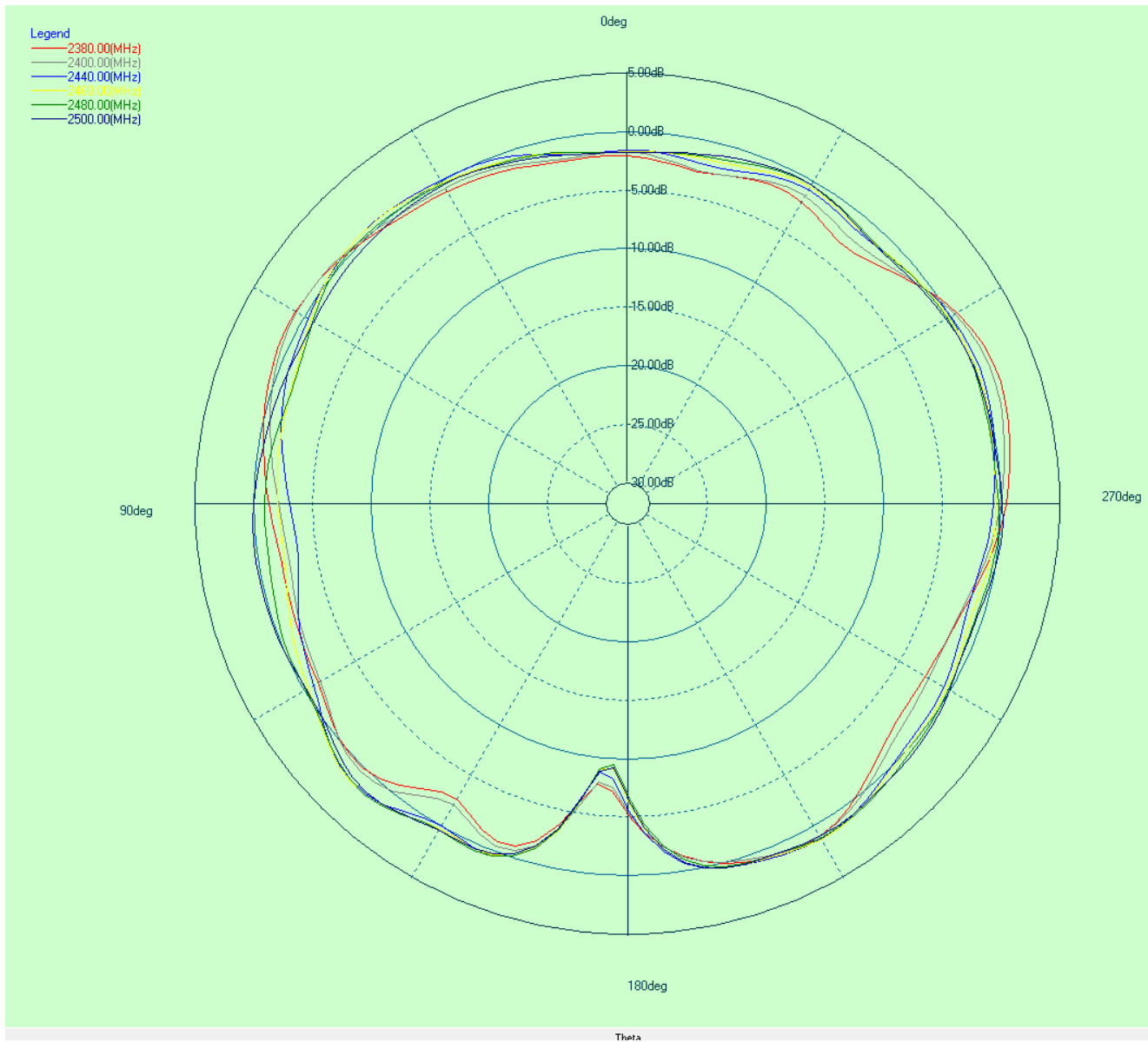
Patterns

Elevation 1



Patterns

Elevation 2



Patterns

Azimuth

