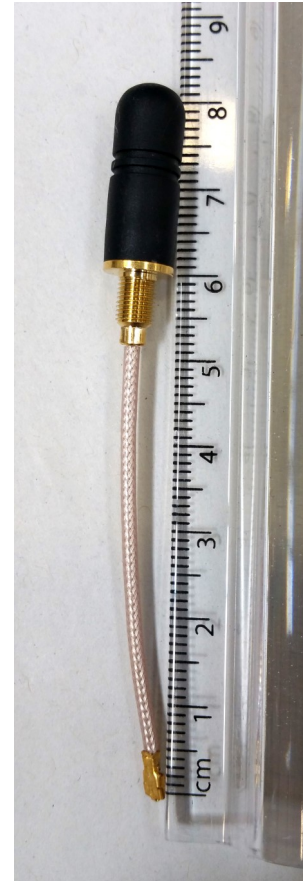


2.4GHz Miniature PIGTail Antenna

Features

- 1/4 Wave Monopole Antenna
- 21mm long
- 50mm PIGtail to IPEX (ufl)
- Rugged Flexible Plastic Finish.
- VSWR ≤ 2.0
- Omni-Directional Design
- 50ohm Impedance
- Nominal Gain 0dBi
- Omni-Directional Design
- Operating Temp -40 to $+70^{\circ}\text{C}$
- Insulation resistance $500\text{M}\Omega$ @ 500Vdc
- Custom Cables on request



Applications

- WiFi Applications
- General Low Power Radio
- M2M Applications

Ordering Information

Part Number	Description
ANT-24G-S21-P5FL	Stubby Antenna straight 50mm RG178 to iPEX (ufl)

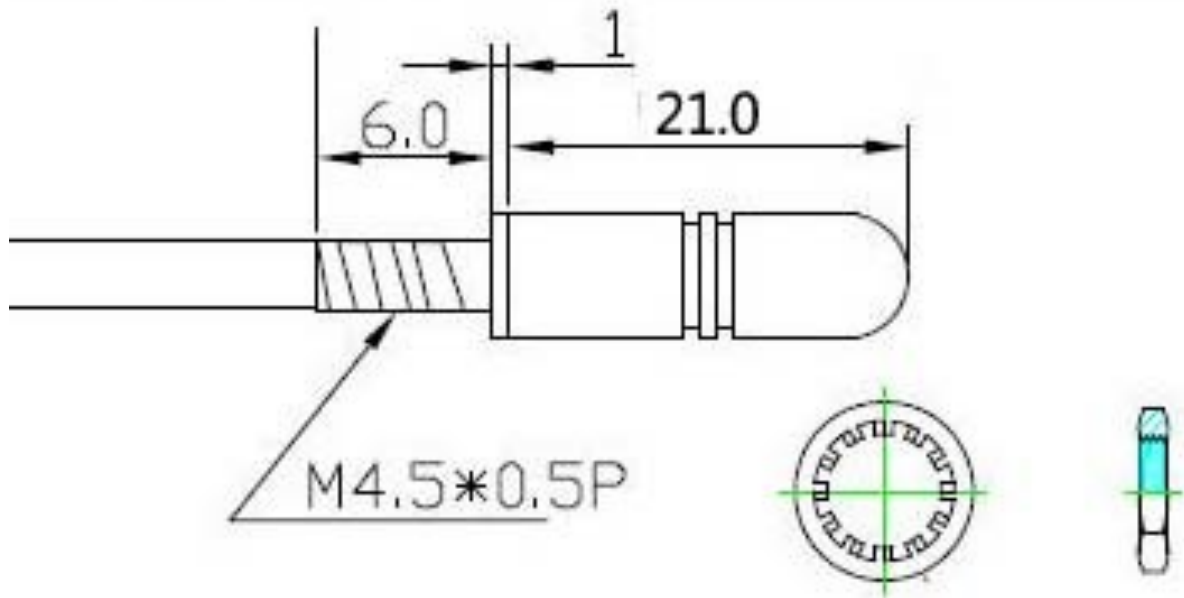
Custom Versions

Custom versions are available, for example, alternative cable type and length (RG178 with varying OD).

Alternative connectors e.g. MMCX, MCX, SMA etc or open ended.

Mechanical Data

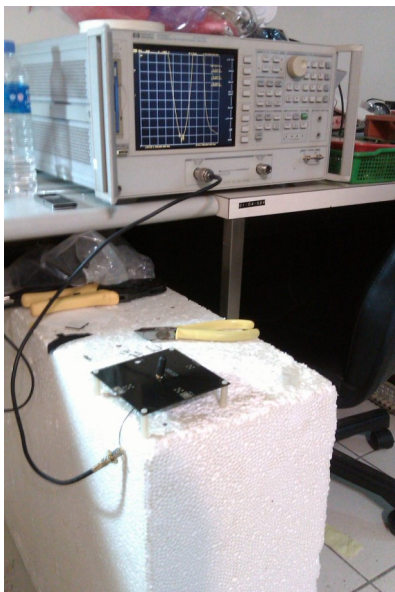
Mounting Thread is M4.5 x 0.5P, Length 6mm



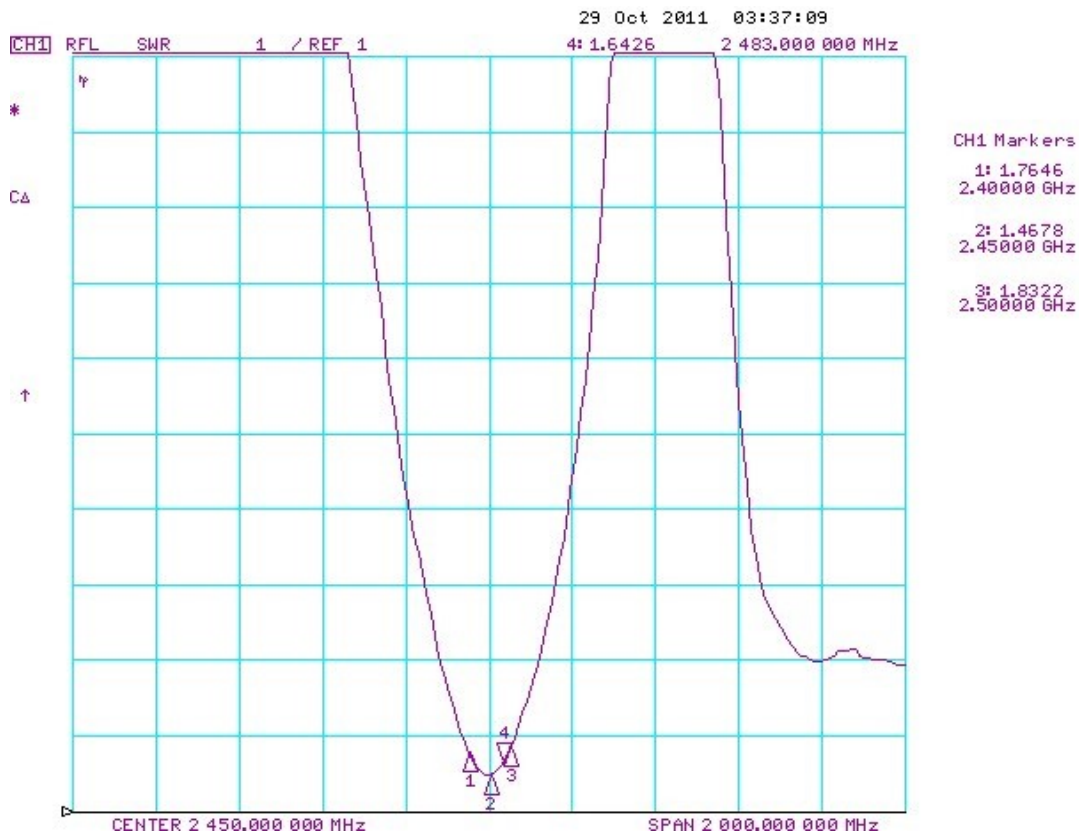
Test Setup for Measurements

Characteristics for this antenna were taken with the following conditions:

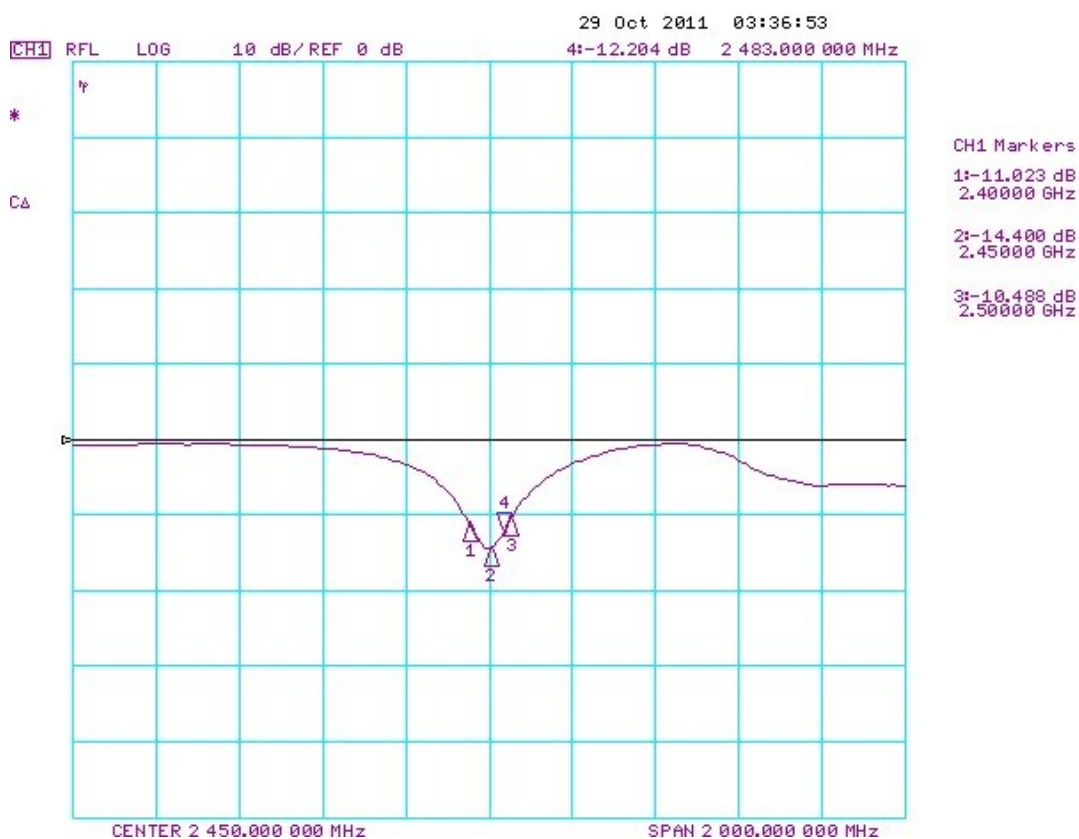
1. Antenna mounted on a ground plane 100x100mm.
2. Measurement Equipment: HP 8753ET 300KHZ~6 GHZ
3. Cable: CFD200, 500mm, SMA(M) to SMA(M)



VSWR



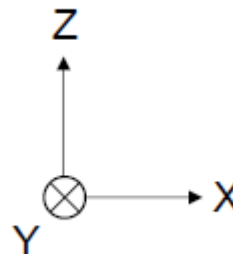
Return Loss



ANT-24G-S21P



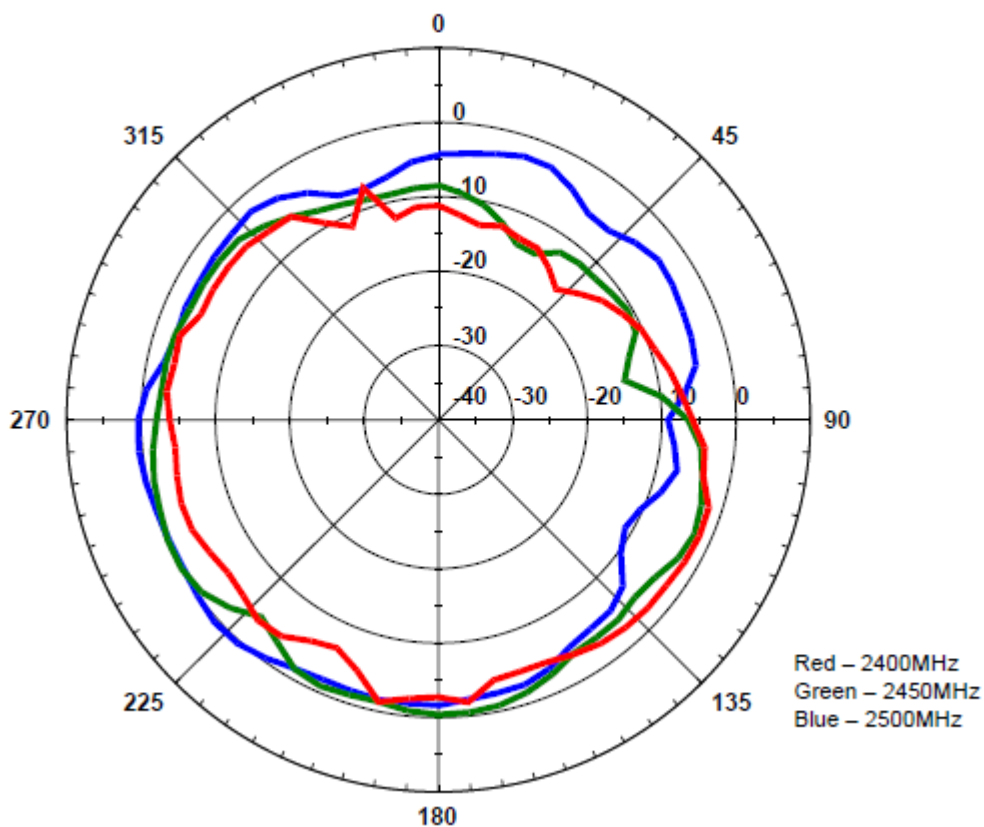
Performance Data



Freq	Max (dBi)	Min (dBi)	Average (dBi)
2400	-1.26	-16.38	-5.31
2450	-0.09	-14.44	-3.76
2500	.58	-11.03	-2.93

Radiation Pattern

X-Y Plane



RF Solutions Ltd. Recycling Notice

Meets the following EC Directives:

DO NOT

Discard with normal waste, please recycle.



ROHS Directive 2011/65/EU and amendment 2015/863/EU

Specifies certain limits for hazardous substances.

WEEE Directive 2012/19/EU

Waste electrical & electronic equipment. This product must be disposed of through a licensed WEEE collection point. RF Solutions Ltd., fulfills its WEEE obligations by membership of an approved compliance scheme.

Environment Agency producer registration number: **WEE/JB0104WV**.

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