

UWB1

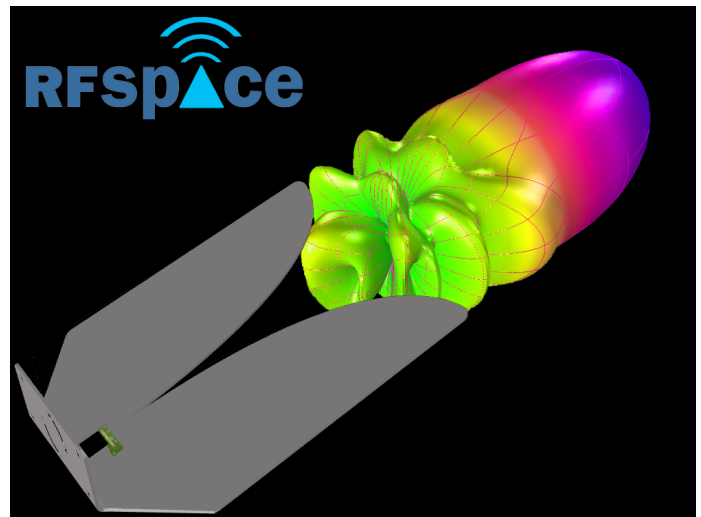
Ultra-Wideband Tapered Slot Antenna

Features:

- Broad frequency range of 430 MHz to 6 GHz+
- Linear polarized with excellent gain over entire range
- Low VSWR over full range with no resonances
- Clean impulse response
- Individually calibrated
- Size: 460 x 330 mm
- Low cost
- SMA right angle output connector
- 50 Watt CW

Applications:

- Ground Penetrating Radars (GPR)
- Radio communications LTE, WIMAX, WIFI, PCS, UWB, GSM, HDTV, IoT, LoRa
- Signals and communications Intelligence (SIGINT, COMINT, ELINT)
- Pulse Radar
- Broadband Software Defined Radio (SDR) Antenna
- EMC testing
- Spectrum analysis
- Direction finding



Description:

The RFSPACE UWB1 is an aluminum, wideband antenna optimized for high gain, low VSWR and broadband response. The matching network has been optimized for best VSWR and a clean impulse response. Every UWB1 antenna is individually tested. The antenna ships with the actual plot of the VSWR curve up to 6 GHz. The UWB1 is ideal as a wideband transmit or receive antenna for today's wireless communications.

Specifications:

Gain: 3 dBi @ 0.430 GHz
11dBi @ 2.400 GHz
12dBi @ 5.600 GHz

VSWR: 430 MHz - 600 MHz <2.25:1 Typ.
600 MHz - 6000 MHz <1.75:1 Typ.

Power Handling: 50 Watts

Aperture width: 330 mm

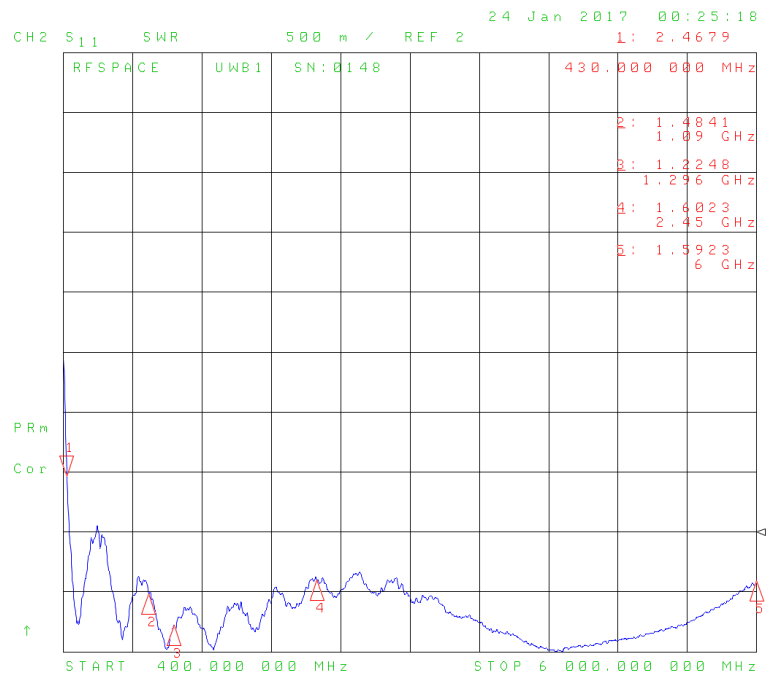
Length: 460 mm

Weight: 3 lbs

Connector: 50Ω SMA right angle

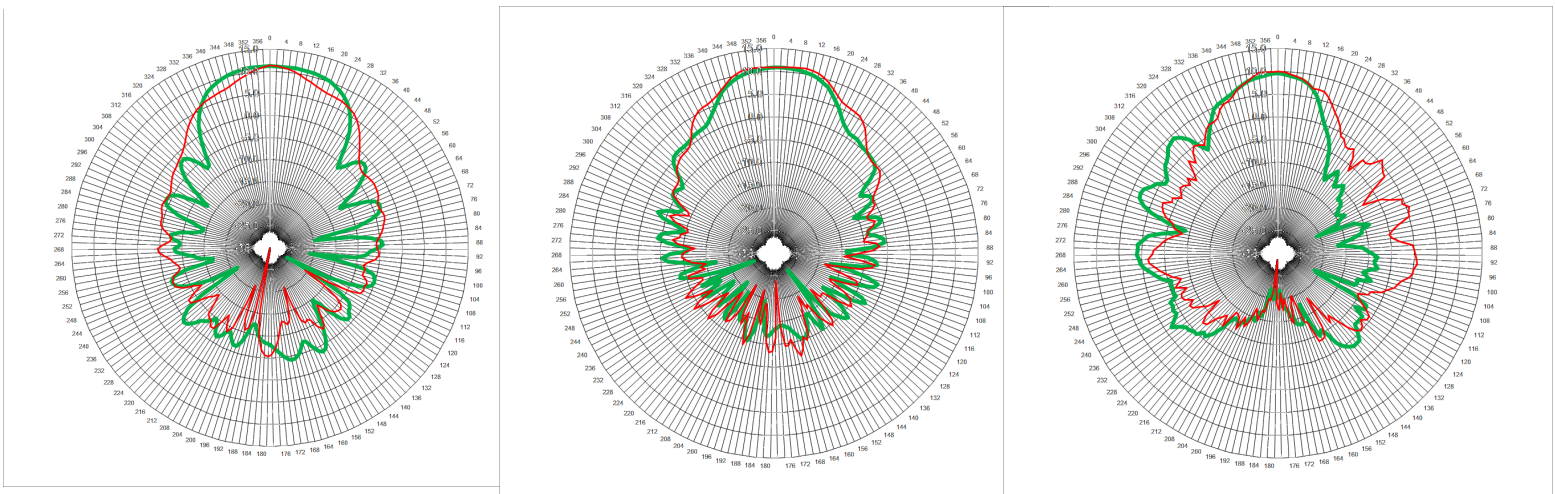
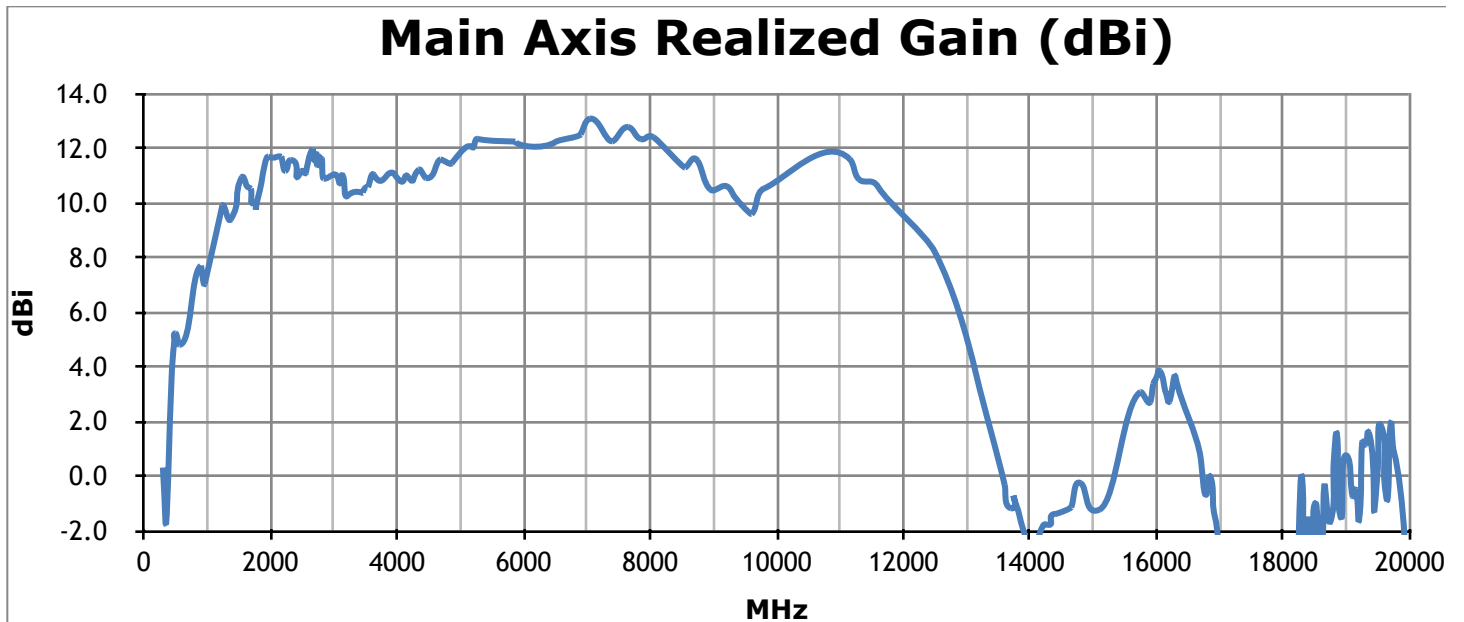
Mounting: 1.5 inch ID u-bolt x 1

MSPR: \$349 Qty 1-5



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Antenna patterns at 2.4 GHz, 4.0 GHz and 12 GHz