

# UWB8

## 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: 394 x 495 mm (19.5 x 15.5 inches)
- Low cost
- SMA right angle output connector
- Bead blasted aluminum construction
- 50 Watt CW



### Applications:

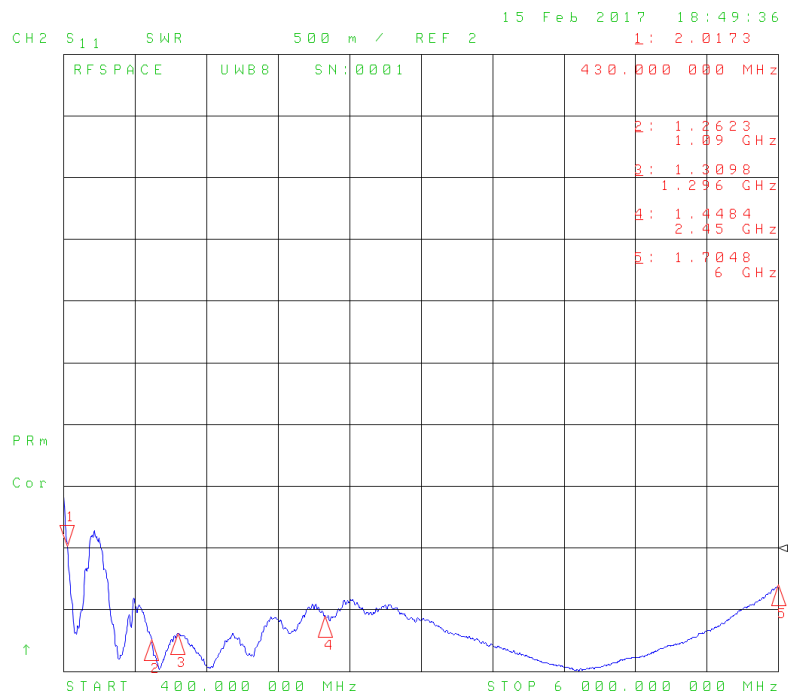
- Ground Penetrating Radars (GPR)
- Radio communications LTE, WIMAX, WIFI, PCS, UWB, GSM, HDTV, IoT, LoRa
- Signals and communications Intelligence (SIGINT, COMINT, ELINT)
- Pulse Radar
- Broadband Software Defined Radio (SDR) Antenna
- EMC testing
- Spectrum analysis
- Direction finding

### Description:

The RFSPACE UWB8 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 UWB8 antenna is individually tested. The antenna ships with the actual plot of the VSWR curve up to 6 GHz. The UWB8 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 <2.15:1 Typ.  
600 MHz - 6000 MHz <1.75:1 Typ.
- Power Handling:** 50 Watts
- Aperture width:** 394 mm
- Length:** 495 mm
- Weight:** 3 lbs
- Connector:** 50Ω SMA right angle
- Mounting:** 2.0 inch ID u-bolt x 2
- MSPR:** \$325 Qty 1-5



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<http://www.rfspace.com>

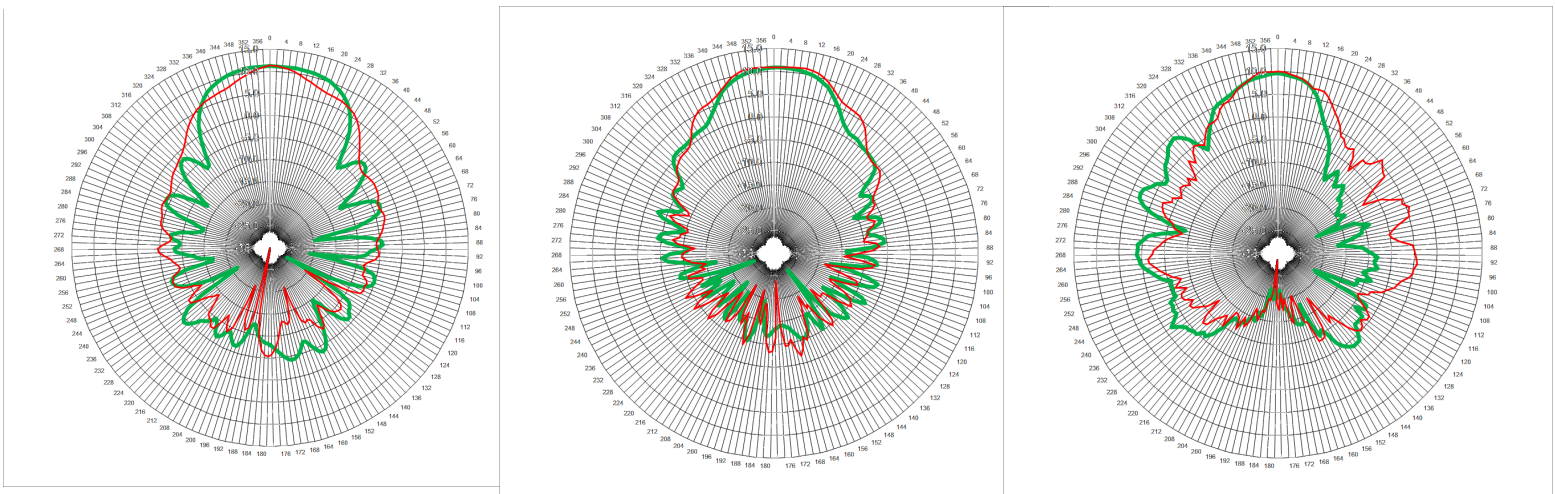
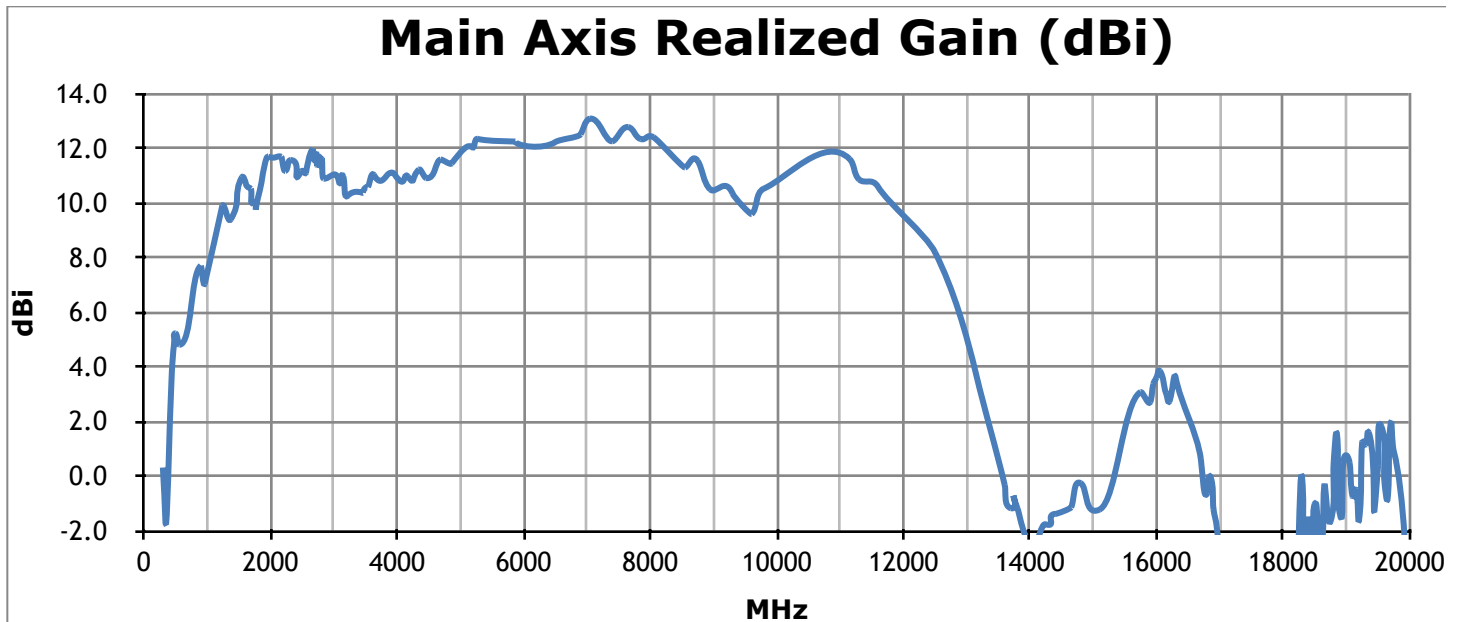
Twitter: @rfspace

Antennas tested at: <http://antennatestlab.com>



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## Ultra-Wideband Tapered Slot Antenna



**Antenna patterns at 2.4 GHz, 4.0 GHz and 12 GHz**