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

Rev. 03/31/2017 © 2015 RFSPACE, INC.
http://www.rfspace.com
Twitter: @rfspace
Antennas tested at: http://antennatestlab.com
UWB8
Ultra-Wideband Tapered Slot Antenna

Main Axis Realized Gain (dBi)

Antenna patterns at 2.4 GHz, 4.0 GHz and 12 GHz