TSA600
Ultra-Wideband PCB Tapered Slot Antenna

Features:

• High Performance, broad frequency range of 600 MHz to 6 GHz+
• Linear polarized with excellent gain over entire range
• Low VSWR over full range with no resonances
• Clean impulse response
• Very low loss substrate
• Individually calibrated and tested
• Low cost
• SMA output connector
• Adjustable polarization
• 25 Watt CW

Applications:

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

Description:

The RFSPACE TSA600 is a high performance, low cost, 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 TSA600 antenna is individually tuned and tested. The TSA600 is ideal as a wideband transmit or receive antenna for today’s wireless communications.

Specifications:

Gain:  
• 11 dBi @ 2.4 GHz
• 10 dBi @ 4.0 GHz
• 7 dBi @ 6.0 GHz

VSWR: 600 MHz - 6000 MHz <2.0:1 Typical.
Power Handling: 25 Watts
Aperture width: 240 mm
Length: 330 mm
Weight: 0.5 lbs
Connector: 50Ω SMA edge mount
MSPR: $69 Qty 1-5
$62 Qty 5+

* Specifications subject to change without notice.
Typical Antenna VSWR Plot

Available from:

- Amazon.com
- Ham Radio Outlet
- Universal Radio Inc.
- eBay

RFSPACE antennas tested at: http://antennatestlab.com