

TS-0445 OVERVIEW



*Excellent coverage and high gain
all in a small, ultralight antenna*

Features

- ◊ Optimized using state-of-the-art genetic algorithms
- ◊ Ultra-high-gain design for optimum frequency reception or detection
- ◊ SHF and EHF coverage
- ◊ Superior front-to-side ratio
- ◊ Operates well above and below the specified frequency range
- ◊ Designed for SIGINT and commercial uses
- ◊ Quality fit and finish; ISO 9001 construction
- ◊ Superior engineering and exceptional value

TEM Mode Flared-Slot Antenna

The newly designed TEM Mode Flared Slot Antenna (FSA) is a wide-bandwidth, high-gain directional slot antenna. Small and extremely lightweight, this antenna is ultra-portable and easy to handle.

Developed using advanced computational electromagnetic design techniques, the Transverse Electromagnetic (TEM) operating mode allows it to cover an ultra-wide frequency range of 4–45 GHz with gain above 6 dBi across 95% of the operating frequency and >10 dBi of gain from 10 to 40 GHz.

Two standard ¼"-20 PEM mounts allow the unit to attach to a tripod either vertically or horizontally. The RF connector is a precision 2.92 mm airline coaxial connector. This connector remains mode-free up to 40 GHz while maintaining compatibility with existing cables and equipment by intermating with standard 3.5 mm and precision SMA connectors.

Compare the new TS-0445 to any wideband horn on the market, and the results — and price — will speak for themselves.

Specifications

Antenna type	TEM mode flared slot antenna
Frequency range	4–45 GHz
Impedance	50 Ω, nominal
VSWR	<2:1, average
Antenna gain	+6 to +14 dB over 95% of the range
Max input power	20 W
Average 3 dB beamwidth	E Plane: 51°; H Plane: 45°
Connector	K Connector
Mounting	¼"-20 female thread on base
Weight/size	2 oz; 7.25 × 1.90 × 1.25 in



CONTACT US TODAY

To schedule a demonstration, or for more information, including pricing and availability on this or any of our products, [call](#), [e-mail](#) or visit us [online](#).



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