



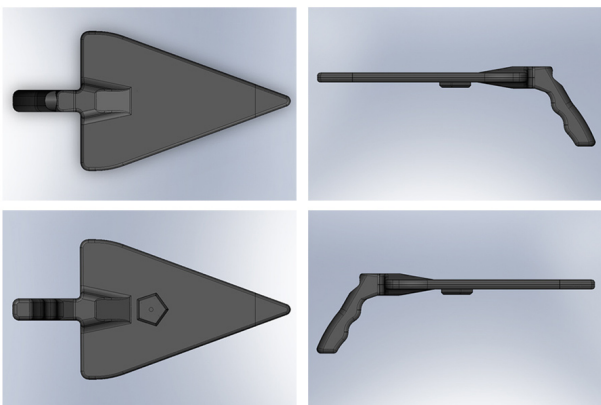
# TS-6021 OVERVIEW

## Electrical

Frequency Range	600 MHz to 21 GHz
Impedance	50 Ohms, nominal
Antenna Gain	Approximately 5-8 dBi to 12 GHz Approximately 0-6 dBi to 21 GHz
VSWR	<2:1, average
Maximum Continuous Power	10 Watts
Average	E Plane: 70°
Beamwidth	H Plane: 125°
Environmental	-35° C to +85° C

## Mechanical

Connector	Precision Type-N female (optional SMA Configuration)
Housing	Ruggedized ABS Black, non-glare finish
Dimensions	Length: 31.24 cm (12.30") Width: 21.25 cm (8.37") Depth: 1.47 cm (0.53" blade) 3.32 cm (1.31" handle) Weight: .05 kg (.11 lb.)
Polarity	Pivoting Handle, 90° E & H Field
Mounting	Standard 1/4, 20 thread



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## Log Periodic Antenna

**The challenge** – design a sophisticated, ultra high-gain, highly versatile Log Periodic Antenna (LPA) with excellent linearity while covering the broadest frequency range possible. Don't forget to make it small, ruggedized, deployable, and cost-effective without sacrificing performance over the entire spectrum.

**The answer** – the all new Interceptor™ LPA from Transformational Security, LLC. This LPA has been optimized using state-of-the-art genetic algorithms and electromagnetic simulation tools. Its gain and efficiency have been maximized to give the greatest directional sensitivity from 600 MHz to 21 GHz. The nominal gain of the antenna is 5-8 dBi up to 12 GHz and excellent performance and superior front to back ratio to 21 GHz and beyond. The Interceptor™ offers the finest direction finding sensor for localizing the origin of transmitting equipment. It covers the frequencies you need to locate most often – and then some.

A perfect blend of performance and quality make this unit ideal for SIGINT and multiband communications applications. A pivoting handle and ratcheting mechanism allows for instant polarity changes. It also includes a 1/4-20 tripod mount on the base. An optional integrated LNA in the handle provides both "Passive and Active" modes.

*Designed for critical Direction Finding applications!*

