

TS-6027 OVERVIEW

Electrical Specifications

| | |
|--------------------------|--------------------------------|
| Frequency range | 400 MHz–27 GHz |
| Impedance | 50 Ω, nominal |
| Antenna gain | 5 dBi average, 7–9 dBi typical |
| VSWR | <2:1, average |
| Maximum continuous power | 10 W |
| Front-to-back ratio | >20 dB above 450 MHz |
| Environmental | –40 to +85 °C |

Mechanical Specifications

| | |
|------------|---|
| Connector | SMA |
| Housing | Ruggedized black ABS |
| Dimensions | <ul style="list-style-type: none"> ◇ Length: 36 cm (14.2 in) ◇ Width: 30 cm (11.9 in) ◇ Panel depth: 1.5 cm (0.6 in) ◇ Tripod height: 9.7 cm (3.8 in) |
| Weight | 0.56 kg (1.23 lb) |
| Polarity | 90° E & H field |
| Mounting | Standard ¼"-20 thread |

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. Make sure it's small, ruggedized, deployable and cost-effective without sacrificing performance over the entire spectrum.

The Answer

The all-new Interceptor Gen II 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 400 MHz to 27 GHz. The nominal gain of the antenna is 5 dBi. 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.

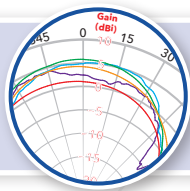
Diverse Applications

A perfect blend of performance and quality makes this unit ideal for SIGINT and multiband communications applications. A comfortable handle easily transforms into a tabletop tripod for on-the-go stability and flexibility. It also includes a ¼"-20 tripod mount on the base for easy mounting to a tripod or other mounting options.

This product is RoHS compliant.



Designed for critical direction-finding applications, the LPA is a quality solution that doesn't sacrifice performance for cost



Performance Graphs

See reverse for gain and front-to-back ratio graphs.

The LPA's comfortable grip makes this a perfect on-the-go antenna. The tripod mount adds to the incredible versatility offered by this rugged, high-quality linear antenna.



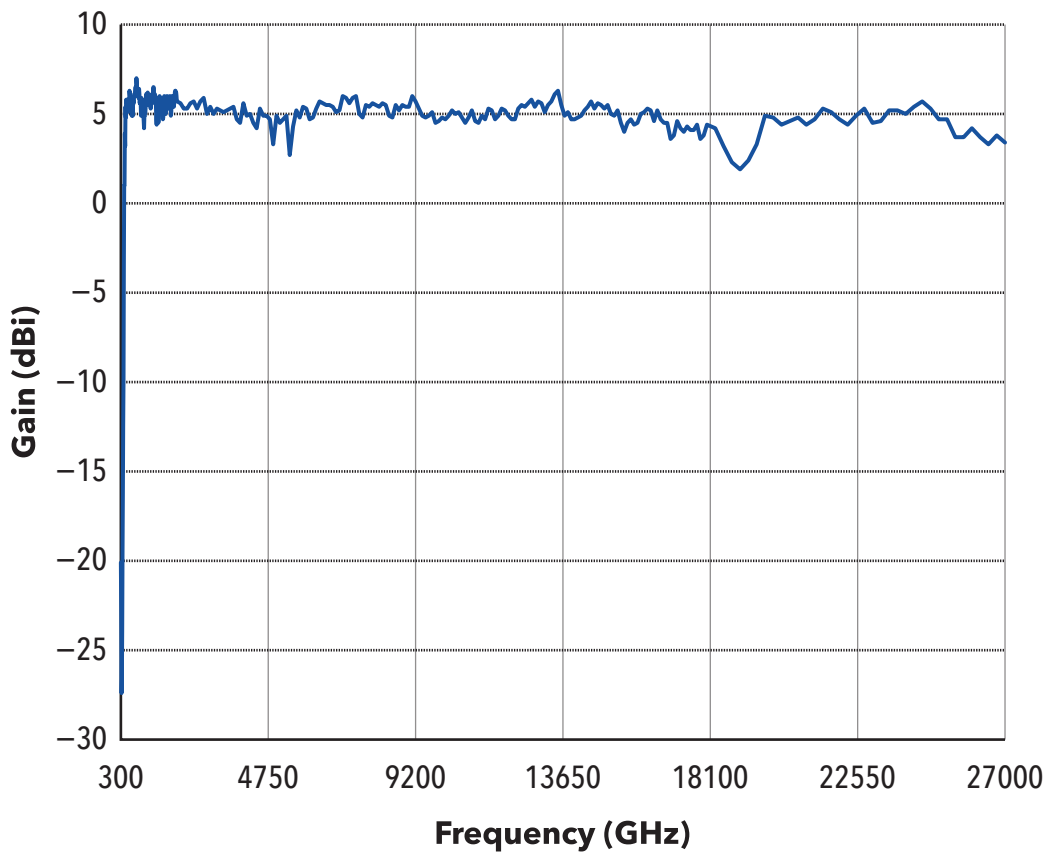
CONTACT US TODAY

To schedule a demonstration, or for more information, including pricing and availability on this or any of our products, [call](tel:3014900112), [e-mail](mailto:Sales@PowerfulSecurity.com) or visit us [online](http://PowerfulSecurity.com).



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Max Gain vs. Frequency



XZ-Plane Gain

