



# TS-2021 OVERVIEW

## Ultrawide Baton Antenna

### The Challenge

Design the widest omni-directional antenna ever built...period. Don't forget to make it small, ruggedized, deployable, and uniform without sacrificing performance where signal detection is needed most.

### The Answer

The all new UltraWide Baton Antenna from Transformational Security, LLC.

This antenna's gain and efficiency have been maximized to give the greatest Omni-directional sensitivity from an amazingly low 20 MHz to well above 21 GHz. The nominal gain of the antenna is -7 to +0 dBi over 98% of the antenna. The UltraWide Baton Antenna offers the finest wideband sensor for receiving RF signals. This new sensor was optimized using state-of-the-art genetic algorithms and electromagnetic simulation tools. It covers the frequencies you need to detect most often – and then some.

A perfect blend of performance and quality make this unit ideal for SIGINT and multiband communications applications. Complete with a 1/4-20 tripod mount on the base. Please call for further information or for a demonstration of this new and exciting antenna from TS, LLC. Specifications subject to change without notice.



### Features

- ▷ Space-sensitive
- ▷ Passive, Modified Biconical Antenna
- ▷ Ultra-wideband: 20 MHz to 21 GHz
- ▷ Optimized using State-of-the-Art Genetic Algorithms & Electromagnetic Simulation Tools
- ▷ Tripod Mounted, Wall Mountable Option
- ▷ MF, HF, VHF, UHF, SHF Coverage
- ▷ Weather-resistant ABS Housing
- ▷ ISO 9001 Construction
- ▷ Glare-free Coating
- ▷ Low Profile, Easily Deployable
- ▷ Easy to Set Up and Use
- ▷ Excellent Power Handling
- ▷ Wide Operating Temperature Range
- ▷ Superior Engineering

<b>Antenna Type</b>	Modified Biconical
<b>Frequency Range</b>	20 MHz to 21 GHz
<b>Impedance</b>	50 Ohms, nominal
<b>VSWR</b>	<2:1, average
<b>Antenna Gain (approximately)</b>	0 dBi or > above 325 MHz -7 dB at 200
<b>MHz</b>	Polarization/Pattern Vertical/Omni-directional
<b>Max Continuous Power</b>	10 Watts
<b>Connector</b>	Precision Type-N Female Out to Receiver
<b>Housing</b>	Weatherproof ABS (Waterproof Version Available)
<b>Mounting</b>	1/4-20 thread on base, Thru-holes on sides
<b>Dimensions</b>	Length: 16" Depth: 1" Width: 6.25"
<b>Weight</b>	16 oz
<b>Environmental</b>	-35° C to +85° C

*“Massive bandwidth, exceptional performance & cost effective for today’s communication needs.”*



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