



# BROADEYE-101

## Passive Angle Sensing Antenna

PN: PAS-0200-2000-101

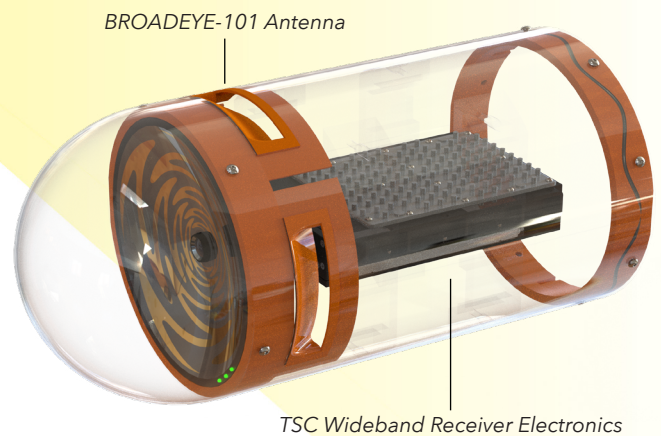


**Frequency Range:**  
2 GHz – 20 GHz



**This Passive Angle Sensing Antenna from TSC represents a cutting-edge technology for any operator interested in homing in on the location of a signal of interest.**

This antenna configuration enhances the capabilities of homing systems by providing a single aperture that enables the desired sensitivity and angle of arrival detection accuracy for SWaP-C constrained applications. TSC’s design allows for efficient reception and processing of signals from multiple frequency sources. The antenna’s architecture makes it ideal to be positioned in the front of UAS to optimally capture incoming signals and discern the direction of the signal source with outstanding precision. This capability plays a crucial role in countering electronic warfare and allowing operators to accurately locate specific signal sources. This includes Home-on-Jam or Home-on-RADAR applications.



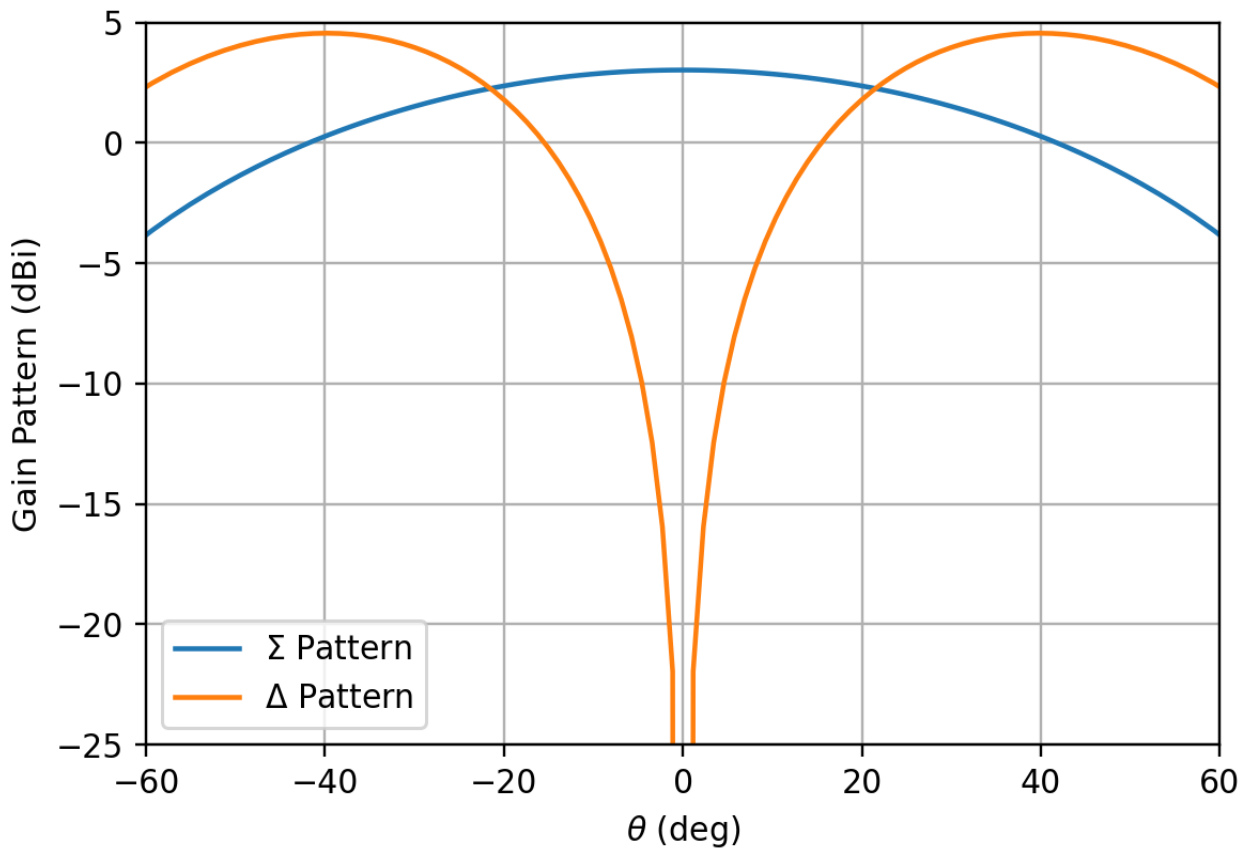
## SPECIFICATIONS

<b>FREQUENCY RANGE</b>	2-20 GHz
<b>POLARIZATION</b>	Circular
<b>DIMENSIONS</b>	Outer diameter 5.0 in.
	Depth 1.75 in.
<b>COAX FEED</b>	SMPM
<b>RETURN LOSS</b>	<10 dB across all bandwidth
<b>GAIN</b>	3 dBi

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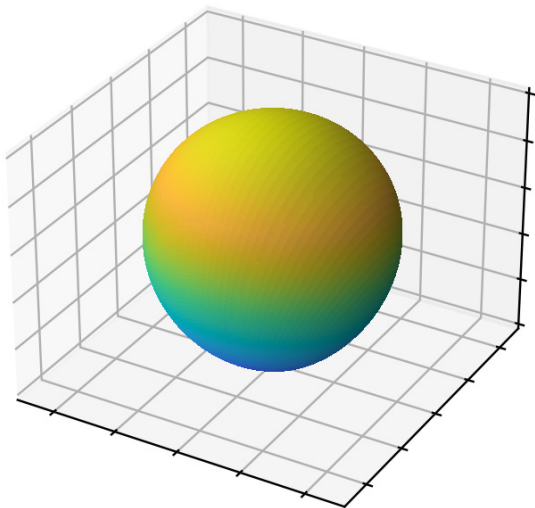


## SUM AND DELTA MODE PATTERNS



### Mode 1 ( $\Sigma$ ) Pattern

Gain = +3.0 dBi



### Mode 2 ( $\Delta$ ) Pattern

Gain = +4.5 dBi

