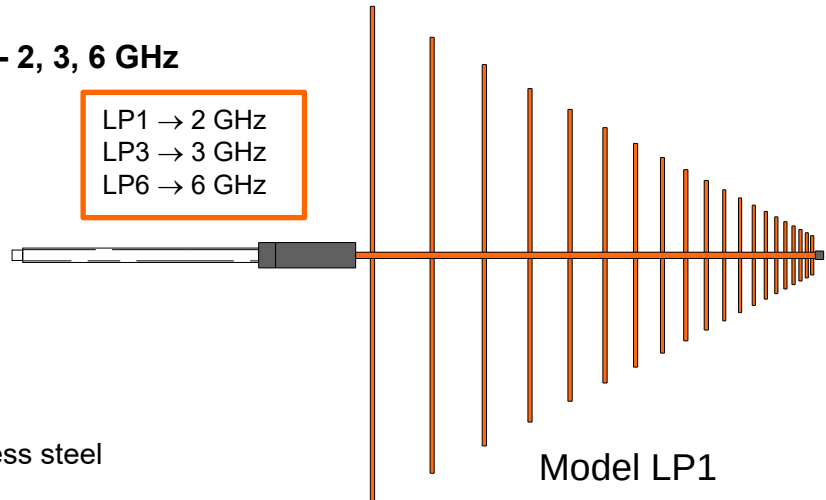


**SHS Antennas** feature an innovative design philosophy that makes them the practical choice for EMC testing. New manufacturing techniques that simplify assembly and minimize the use of hardware, create an electrically stable measuring instrument that stays in calibration and holds up to the environment.

SHS log-periodic antenna booms are made from a custom aluminum extrusion that reduces the number of parts at the front of the antenna, resulting in a stronger, more stable feed point. The unique shape allows for a larger feed cable to be used, which significantly increases the maximum power rating. Dipole elements are permanently attached to the boom by a construction technique that maintains excellent electrical characteristics for the life of the antenna. A tough powder coat finish with UV inhibitors seals the aluminum structure and protects it from sunlight and moisture.

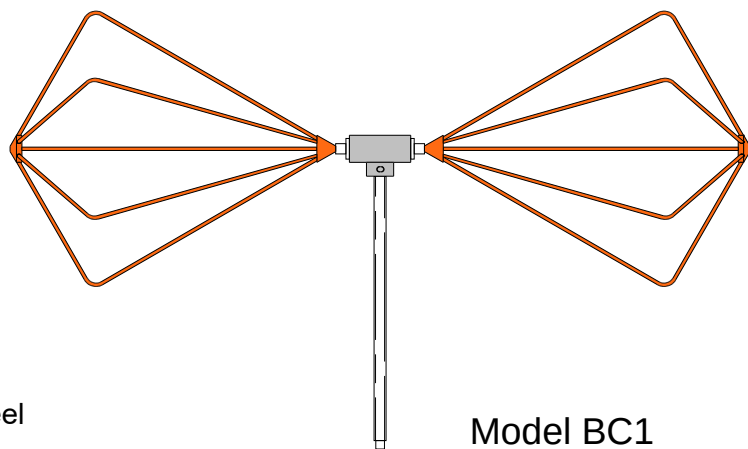
### Log-Periodic Antennas, 200 MHz – 2, 3, 6 GHz

Gain:	6 dBi typical
Impedance:	50 ohms nominal
Connector:	Type N female
VSWR:	2:1 max.
Polarization:	Linear
Max. Power:	300 watts cw
Length:	48 in. (122 cm)
Width:	3 in. (8 cm)
Height (V):	29.5 in. (75 cm)
Weight:	5 lbs. (2 kg)
Mounting Tube:	22 mm dia. stainless steel
Finish:	Powder Coat



### Biconical Antennas, 30 – 300 MHz

Impedance:	50 ohms nominal
Connector:	Type N female
Polarization:	Linear
Power ( <b>Model BC1</b> ):	1 watt cw max.
Power ( <b>Model BC2</b> ):	100 watts cw max.
Power ( <b>Model BC5</b> ):	500 watts cw max.
Length:	54 in. (137 cm)
Elements:	20 in. (51 cm) diameter
Height:	32 in. (81 cm)
Weight:	5 lbs. (2 kg)
Mounting Tube:	22 mm dia. stainless steel
Finish:	Powder coat

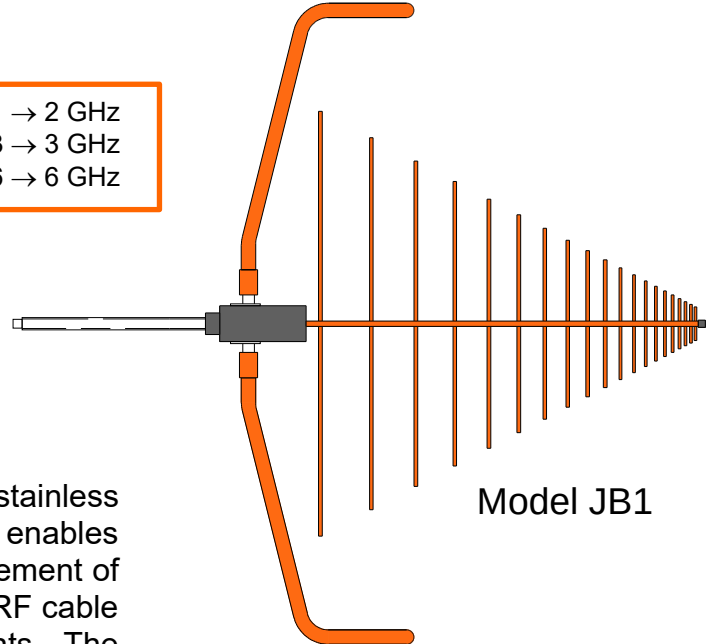


# EMC Test Antennas 30 MHz – 6 GHz

## Hybrid Antennas, 30 MHz – 2, 3, 6 GHz

Impedance:	50 ohms nominal
Connector:	Type N female
Polarization:	Linear
Max power:	300 watts cw.
Length:	50 in. (127 cm)
Height (V):	44 in. (112 cm)
Width:	19 in. (48 cm)
Weight:	10 lbs. (5 kg)
Mounting Tube:	22 mm dia. stainless steel
Finish:	Powder coat

JB1 → 2 GHz  
JB3 → 3 GHz  
JB6 → 6 GHz



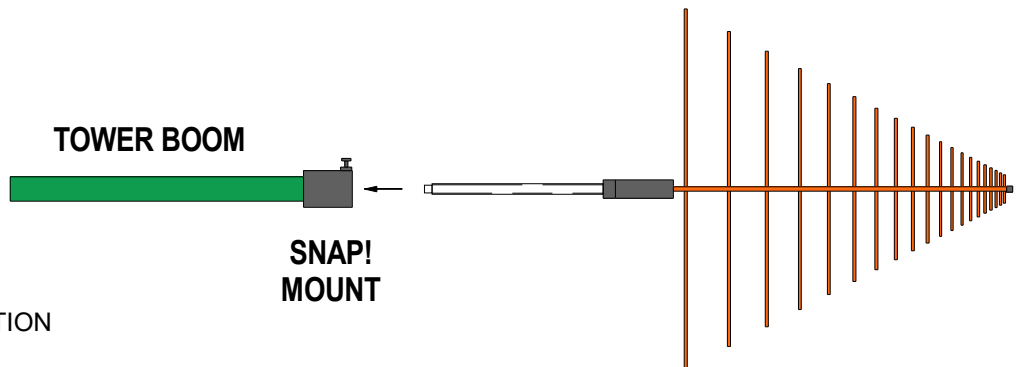
Model JB1

## Mounting

All SHS antennas have a 22 mm diameter stainless steel rear mounting tube. This configuration enables polarization changes without physical displacement of the antenna, and minimizes the effect of the RF cable by keeping it well behind the antenna elements. The SHS SNAP! mount provides a secure interface to most antenna positioning towers. It locks the antenna in place, prevents unwanted rotation and facilitates rapid antenna changes.

## SNAP! MOUNT

- QUICK
- SECURE
- NO TEETERING
- NO UNWANTED ROTATION



ISO 17025 Accredited Calibration Available

## Options

- Tripod
- Tripod mount
- SHS SNAP mount
- Carrying case

## Applications

- Radiated emissions
- Radiated immunity
- Pre-scan / Full-compliance testing

SCIENTIFIC HARDWARE SYSTEMS