



# Wireless RF Test Enclosures

## JRE BBA-1 Ultra Wide Range, Broadband Compact Antenna

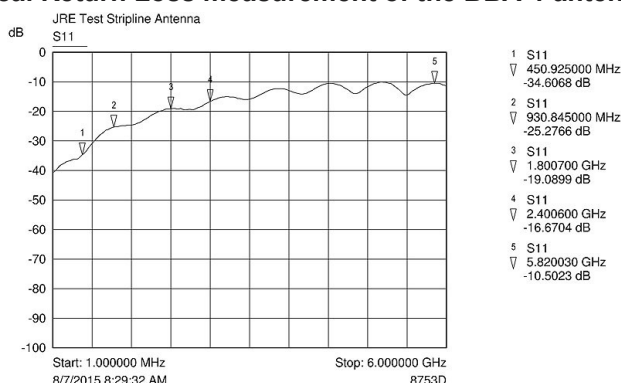
Broadband Antenna with excellent SWR from 1 MHz to over 6,000 MHz

- Ideal for testing a wide variety of wireless devices
- Excellent VSWR across the entire frequency range
- Performance approximately -20 to -30dB below a matched quarter-wave antenna at VHF and higher
- 1 watt power capability
- Avoids stocking different antennas and change outs
- Replaces a variety of antennas at low cost



One simple antenna can cover virtually all your wireless testing needs whether Bluetooth, WiFi, Cellular, anything from HF to over 6 GHz. Radiation performance of the antenna is approximately 20 to 30dB below an optimum matched quarter wave radiator depending upon frequency. When used within the confines of the RF shielded test enclosure, the BBA-1 performs well as an efficient antenna for both reception and emission. One may think of the antenna as a 'leaky transmission line'.

### Typical Return Loss measurement of the BBA-1 antenna



The antenna is easily mounted with a single hole in the enclosure wall using the SMA connector hardware to attach. A right angle SMA connector option is also available for applications where it is desired to use the antenna at the end of a cable or to a Female SMA bulkhead connector on the enclosure's universal I/O plate. Characteristic impedance of the antenna is 50 ohms.

### FEATURES & BENEFITS

- Extremely wideband - covers all popular wireless and cellular frequency bands and beyond
- Excellent VSWR for proper test equipment match
- Moderate power rating for transmission use
- 50 Ohm characteristic impedance
- Small size to fit any enclosure
- Moderate efficiency ideally matches the close confines of the shielded test enclosure

### SPECIFICATIONS

Typical Return Loss: -35dB @ 450MHz, -25dB @ 930MHz, -20dB @ 2GHz

### DIMENSIONS

1 x 5" 25 x 125 mm - plus connector as shown



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