Model BLPA-19 Broadband Gain Standard

Description

The Model BLPA-19 is an accurate broadband gain standard for wireless measurements. Its unique calibration allows it to replace a complete set of dipole antennas. The secret to the BPLA-19 is its unique calibration. It is calibrated at its operational range length using a gain transfer measurement from calibrated dipoles. This gives the BPLA-19 the low measurement uncertainty of a calibrated dipole while at the same time removing the gain errors due to the movement of the phase centers of the measurement antenna and the gain standard antenna. The result is a broadband gain standard which retains the accuracy of the calibrated dipoles.

Features

- Rugged and light weight
- Operating frequency of 700 MHz to 6 GHz
- Calibration data provided
- Calibrated at the range length of operation

Characteristics

- Frequency Range: 700 MHz to 6 GHz
- Input Connector: SMA Female
- Calibration Data: 1 MHz 700 to 2600MHz, 5MHz 2600 to 6000MHz
- Calibration Method: Gain Transfer from calibrated dipoles at a fixed range length
- Gain Uncertainty (typical): 0.3 dB
- Input VSWR (typical): < 2:1
- Cross Polarization: < 20dB