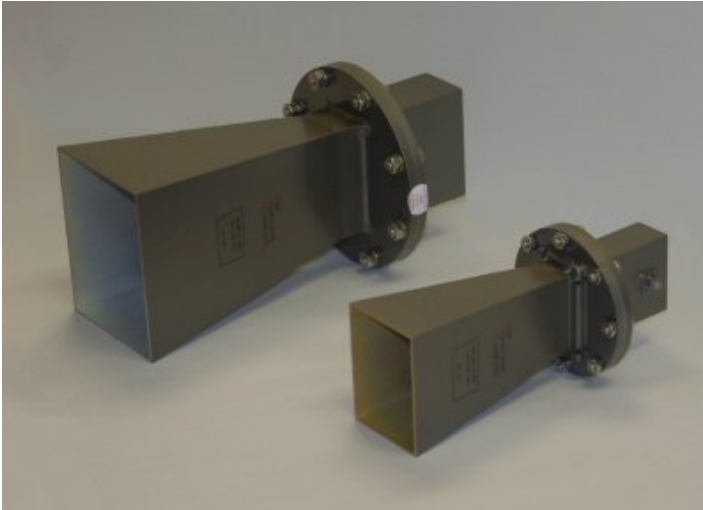


Model VA100 Standard Gain Horns



Description

The VA100 Standard Gain Horns are precision gain standards used to calibrate wireless test labs. Measurements of total radiated power (TRP) and total isotropic sensitivity (TIS) require that the measurement system be calibrated with an antenna of known gain. Any uncertainty in the gain of the calibration antenna becomes an uncertainty contribution in every measurement of TRP and TIS. The gain of each Model VA100 standard gain horn is measured using the three-antenna method so that the gain of the horn is determined independent of any other gain standard. The gain data is provided with each horn

Features

- Provided with gain calibration data
- Return loss less than -20 dB
- Standard frequency bands from 400MHz to 2.6GHz
- Custom dipoles available upon request

Specifications

| Characteristic | Typical | Specification |
|------------------|------------|---------------|
| Return Loss | < -25 dB | < -20 dB |
| Gain | 10 dBi | NS |
| Gain Uncertainty | 0.2 dB | 0.2 dB |

Bands and Frequencies

| Model | Frequency (MHz) |
|-------------|-----------------|
| VA100-17-RH | 2600-3950 |
| VA100-18-RH | 3950-5850 |