

# Dual Polarized Antenna

## ODPA-2060

The Ocean Microwave Dual Polarized Horn Antenna series cover the frequency range from 2GHz to 6GHz and is designed for the measurement of antennas in the MW range. The ODP-2060 antenna covers the S and C bands

While intended as receive antennas, the ODP-2060 can be used as low power radiators, with a maximum continuous power handling capability of 50W.

Two connectors input permit simultaneous measurements for both horizontal and vertical polarizations for linearly polarized electromagnetic waves. By using an additional 90-degree hybrid phase shifter, the antennas may be used to transmit or receive circularly polarized electromagnetic waves.

Tests have shown that the isolation level between the two test ports is better than 30dB for the ODP-2060.



### Applications

The ODP-2060 also covers most of the common radar and MW bands used in military applications. When an antenna is configured for receive mode, it can be used to measure far-field antenna patterns for the two orthogonal polarization simultaneously.

When an antenna is configured for transmit mode, it can be used to transmit signals from a base station simulator. Many intrinsic RF properties of wireless handsets can be measured at these two configurations. The user may also configure the same system to measure the RF interaction between a wireless handset and its operator.

### Features

Isolation level between the two ports is better than 30dB for the ODP-2060. Covers the S and C bands

### Electrical Specifications

MODEL	ODPA-2060
Frequency Range	(2-6) GHz
Max VSWR	< 2.0:1
Gain	15 dBi
Maximum Continuous Power	50W
Impedance	50Ω
Connector	2 SMA Connectors
Cross Polarization Isolation	> 30dB
Weight	9 KG

### PRODUCT DIMENSIONS

