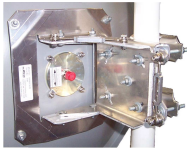


**Antenna Design • Development • Manufacturing • Test**



**2' Grid Antenna**

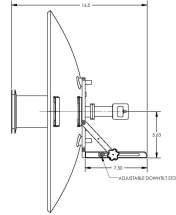


**AZ/EL Pipe Mount**

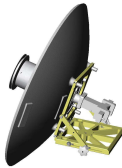


**2', 3' & 4' Parabolics**

mWAVE Industries, LLC manufactures COTS licensed and unlicensed band antennas for the communications industry. Our antenna products are designed and manufactured to provide outstanding performance and durability while maintaining a competitive price advantage. Parabolic antennas are available from inventory in 2', 3', and 4' diameters with optional molded radomes. Our antennas feature vertex-mounted rear-insertable feeds in single, dual linear, and circular polarizations.



**Concept Drawing**

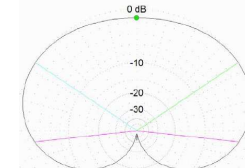


**SolidWorks Model**

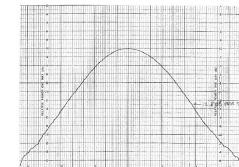


**Finished Product**

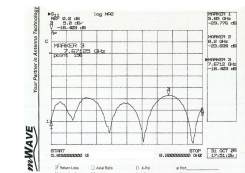
mWAVE's engineering department routinely collaborates with customer staff throughout all aspects of the design cycle. Our engineers are available to assist with product specification and trade-space analyses. mWAVE can generate concept drawings for advance system planning and customer approval. We utilize solid modeling software to ensure a finished product that is fully compliant with customer fit and function constraints.



**Simulated Omni Pattern**



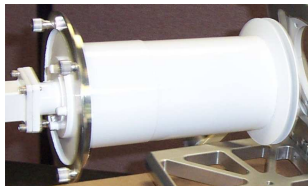
**Recorded Feed Pattern**



**Swept VSWR Data**

mWAVE can furnish computer predicted results to demonstrate performance attributes prior to manufacture. mWAVE owns and operates a complete antenna test facility to support RF characterization of our standard and custom antenna products. mWAVE's facility regularly supports independent test programs. mWAVE can furnish commercial RF test reports replete with radiation patterns and multi-port swept S-parameter test data.

mWAVE Industries, LLC designs and manufactures reflector antennas and antenna feed systems for a variety of microwave applications including telemetry, satellite tracking, data link, radar, RCS, and test & measurement platforms. We offer prime focus and offset feeds for both single and dual reflector geometries, including shaped beam designs. Single and dual band versions are available with polarization diversity options featuring manual and remote polarization adjustment. mWAVE specializes in conscan, monopulse tracking, and wideband feed systems for data track and surveillance.

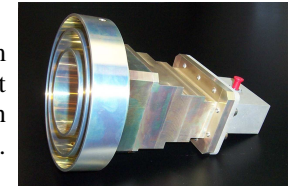


Military X-band vertex-mounted portable VSAT feed system.

K/Ka-band Cassegrain Feed



Wideband prime focus feeds from 1-40 GHz. Our feeds exhibit superior cross polarization discrimination and low VSWR.



*From product specification, through manufacture and test, mWAVE is committed to providing our customers with quality products and services in a friendly and timely manner. Our sales and engineering staff are always available to discuss your antenna requirements. Please send us your specifications for immediate review. mWAVE welcomes the opportunity to partner with you and become one of your trusted suppliers.*



## **The mWAVE Advantage**

mWAVE Industries, LLC designs and manufactures standard and custom antenna products for commercial and government applications spanning the scientific, defense, and academic communities. mWAVE specializes in reflector antennas and feeds including conscan and monopulse. Our product offering also encompasses microstrip arrays, horns, helices, sectors, omnidirectional antennas, and waveguide arrays. mWAVE owns and operates a complete antenna test facility. Our antenna facility regularly supports independent test programs.

Our founders bring with them over 60 combined years of experience in the microwave antenna and component industry from companies offering both standard products and custom engineered solutions. Their backgrounds cover the technical fields of electrical, mechanical, and structural engineering with vast knowledge and experience in creating and leveraging electromagnetic and structural modeling software tools. Our founders and staff have extensive experience from 100 MHz to 40 GHz, and with apertures ranging in size from a single patch to well over 15 feet. This experience takes them from the office, to the lab, test range, shop floor, and out into the field.

mWAVE Industries has been successful in marketing its manufactured products to the commercial point-to-point and point-to-multipoint microwave industry sector on an international level. We invite you to explore our line of COTS antenna products at [mwavellc.com](http://mwavellc.com). If you don't find what you're looking for, please contact us to discuss your specific application. We are experts in antenna development, and can either customize an existing product to your specifications, or develop a new product designed to satisfy your specific system requirements. From product specification, through manufacture and test, mWAVE is committed to providing our customers with quality products and services in a friendly and timely manner.

mWAVE Industries, LLC sales and engineering staff are always available to discuss your antenna requirements. Please send us your specifications for immediate review. mWAVE welcomes the opportunity to partner with you and become one of your trusted suppliers.