MAXRAD

Our core values include our belief in the highest standards of integrity, responsibility, and excellence.

Sccess is a direct result of industry leadership and reflects an unwavering commitment to quality products and excellent customer service. MAXRAD's journey to success and our continued growth over the past 23 years not only makes our employees proud, but is acknowledged by our customers all over the world.
MAXRAD's headquarters, sales offices and manufacturing facilities are located in Hanover Park, Illinois.
Our modern Hanover Park, Illinois facility produces over 350 products that are sold in more than 8000 different antenna model number combinations. Our impressive product line is a direct result of years of knowledge in antenna engineering, design, and development and a willingness to listen and respond to our customers' changing needs.
Our engineering efforts and our quality manufacturing processes are all built on our founder's belief: *&quotMAXRAD products must be of the highest quality and offered at a fair price.*&quot After 23 years of industry excellence, this combination of quality and value is the foundation of our company and the impetus for our growth.
We are equally committed to providing the best customer service in the industry. The Maxrad customer service representatives are not only accessible, but they are knowledgeable and prepared to provide unmatched customer support. We offer the fastest order turnaround time in the industry and stand behind all our antenna products with a limited two-year warranty.
As the wireless industry grows and evolves with the introduction of new technologies, our research and development work enables us to produce the high-technology products our customers need to compete in this rapidly changing industry. Through it all, our commitment to quality and our dedication to complete customer satisfaction will remain the foundation of our growth.

MAXRAD's Strategic Markets

In order to remain true to our commitments to the industry, we observe and investigate new market trends and invest in the creation or improvement of antenna designs that solve functional requirements within strategically selected market segments.
MAXRAD's area of expertise currently concentrates in the research, development and distribution of antenna solutions for the broadband wireless/access, WLAN and WAN industries, as well as antennas for in-building wireless coverage of voice and data networks. In addition, we continue to support our core product line for the land mobile radio industry and are also developing solutions for telemetry applications.

Broadband Wireless Data/Access

MAXRAD boasts one of the most complete portfolios of broadband wireless data/access antennas for frequencies below 6 GHz. Our selection includes point-to-

point and omnidirectional base station, mobile and portable antenna solutions in PCS, MDS, WCS, ISM, UNII and MMDS frequencies ranging from 902 MHz to 5.8 GHz.
We are particularly proud of the recently introduced 2.4 GHz ISM **adjustable sector panel antenna.** The MSP24013MB's patent-pending design allows a system installer to stock a single antenna and field adjust its horizontal beamwidth to 45&#176, 60&#176, 90&#176 or 120&#176, according to the installation requirements. Fixed 45&#176, 60&#176, 90&#176 and 120&#176 beamwidth models are also available upon request.
The MSP24013MB provides industry-leading front-to-back ratios of more than 42 dB at 45&#176, 60&#176 and 90&#176 and over 32 dB at 120&#176, with excellent cross pole discrimination. The MSP sector panel is also available for MDS, WCS and MMDS frequencies.

The MP25017PT is one of fourteen directional panel antennas designed for wireless data/access applications.

Also important is the patent-pending **MP directional panel series** for 800/900 MHz, PCS, 2.4 GHz and MMDS frequencies. These antennas provide outstanding indoor or outdoor wireless coverage with maximum gain in an attractive, very low profile package. They are the ideal alternative to yagi antennas when aesthetic considerations are crucial.
The MP panels provide stable gain versus frequency performance across the specified bands with a VSWR of less than 1.5:1. Listed gain values are 6 and 8 dBd at 800/900 MHz frequencies, 8 to 13 dBi at PCS frequencies and 8 to 18 dBi at 2.4 GHz ISM frequencies.
For those favoring a yagi solution, MAXRAD offers the **MYP enclosed element directional yagis.** These antennas provide gains of 8 and 13 dBi and are ideal for point-to-point outdoor applications.
Also for outdoor use, but for long-range applications the **MPR parabolic reflector antennas** provide outstanding performance and durability for installations requiring a high gain, robust antenna solution. The MPR 2.4 ISM line offers gains values of 20, 22 and 24 dBi. The MPR series is also available for wireless PCS access installations.
The **MFB fiberglass omni-directional line** includes twenty-five different models operating at 800/900 MHz, PCS, 2.4 GHz ISM and MMDS frequencies. The MAXRAD MFB is THE antenna of choice for major OEM manufacturers. Gain values range from unity to 10 dBi gain, depending on the operating frequency.

The MIG24's flexible, ultra-thin design lends itself to a variety of fixed or mobile applications utilizing 2.4 GHz frequencies.

Of particular interest is the **MIG24** ultra-thin omnidirectional antenna for low visibility fixed or mobile applications. This antenna provides 4 dBi gain and utilizes high-bond 3M&reg tape that can stick to a wide variety of locations, including windshields, computer monitors and glass windows. Its flexible, 1/10-inch design lends itself to a wide variety of applications.
The MAXRAD **Low Profile Vertical Antennas** feature patent-pending design that provides industry leading wideband performance and reliability with minimal loss, no tuning and minimum visibility. Two models cover 900 MHz ISM and 2.4 GHz ISM frequencies and can be used for mobile or fixed station applications. Dual band configurations are also available.
In addition, we offer five permanent mount and two magnetic mount **mobile antennas** designed to fit various application requirements and providing gains of

up to 5 dBi. Our complete selection of **portable duck antennas** can be ordered with a wide variety of connector options.

In-Building Voice and Data Coverage
(PCS, Cellular, iDEN, WLAN)

We have developed four separate product platforms dedicated to the fulfillment of specific requirements within the in-building voice and data coverage segment of the wireless communications market.

The **MLPC Series** provides omnidirectional coverage of 800/900 MHz, PCS and 2.4 GHz ISM frequencies with minimum loss and no tuning. These antennas feature an attractive compact package that incorporates our MLPV antenna and a standard ceiling-mount speaker baffle that serves as a ground plane. It utilizes a type N, female bulkhead connector that permits flush mount on drop-ceiling tiles.

The **MC series** complements our MLPC line by providing a very low profile, horizontal design option. These antennas can be easily mounted to a drop-ceiling tile or to a solid surface where cable routing access is available. They utilize a stud, single hole mount with optional side cable exit for flush ceiling mount installations. The MC antennas are available in three configurations covering 2.3 - 2.4 GHz, 1850 - 1990 MHz and all 800/900 MHz frequencies. All models provide 2.5 dBi gain.

The MHA2400 Bi-directional Hallway Antenna provides virtually invisible in-building WLAN coverage.

The **MHA** are vertically polarized bi-directional antennas that provide a different solution for indoor voice and data coverage requirements. These antennas are designed to provide maximum gain with a very small housing. Their bi-directional design makes them ideal for use in long corridors. Four models are available covering 2.3 - 2.5 GHz (MHA2400), 806 - 866 MHz (MHA806), 824 - 896 MHz (MHA824) and 890 - 960 MHz (MHA890).

Telemetry

MAXRAD offers an extensive line of antennas covering 890 - 940 MHz telemetry frequencies that are being used in vending machine and wireless meter reading applications. In response to growing demands for low visibility, vandal-proof antenna solutions, MAXRAD has developed two new models.

The MLPV800 provides low visibility in a sturdy vertical design. This ground-plane dependent antenna can be permanently mounted with the MVP vandal proof mount for secure installations.

For applications requiring a more discrete design, the MTO8903PT provides omnidirectional coverage that provides 2.5 dBi gain in a low profile horizontal design. This antenna utilizes double-sided high-bond tape with a 6-foot RG58/U cable that minimizes the risk of theft or vandalism.

Land Mobile Radio

Our LMR antenna line is one of the most complete in the industry. The MAXRAD catalog includes a truly impressive selection of mobile, base station and portable antennas and accessories for wireless voice and data communications.

MAXRAD's antenna selection comprises complete solutions for Low Band, VHF, UHF and 800/900 MHz frequencies. Our cable assemblies, connectors, mounting brackets, hardware and tools are designed to make the installation of our antennas simple, versatile and cost effective.

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