

ANTENNA INNOVATIONS COMPANY

ANTENNA INNOVATIONS COMPANY

Maxtena, Inc is a research, product development, and antenna manufacturing company. Maxtena offers both standard and custom antenna products for variety applications. Emphasis areas include compact and high performance GPS antennas for handheld receivers and systems; elements and systems for satellite communications terminals. Maxtena also performs custom studies for antenna element design and selection, array design, link analysis and propagation effects, and system designs. Maxtena's innovation are based on leverages in the following areas: advances in quadrifilar antenna technology, custom and advanced materials, alloy printing techniques on high performance materials and substrates, and unique differential interfaces with the antenna.

SERVICES & CONSULTING

Maxtena provides custom antenna designs, antenna manufacturing, and FCC compliance services for a complete antenna solution to meet specialized customer requirements. Example custom designs include a variety of embedded and add-on antennas for a wide range of wireless applications. Maxtena has experience designing embedded, conformal, compact and lightweight antennas along with custom antenna arrays.

EXPERIENCE

Maxtena's engineering team includes 3 Ph.D. antenna designers and over 70 years combined experience focused directly on antenna technology manufacturing, design and research.

MAXTENA TECHNOLOGY

Maxtena is pioneering innovative antennas that directly connect to your RF transceiver chip without costly baluns or matching networks. The Compact Quadrifilar Antenna and Compact Quadrifilar Technology utilize high performance ceramic materials and a novel differential feeding network to minimize currents on the antenna ground plane to reduce inter-component coupling. The M1575CQA Compact Quadrifilar Antenna has superior performance compared to other miniature passive circularly polarized antennas for GPS and satellite radio applications. The M1575CQA has an efficiency of better than 30% and an input VSWR of 1.3:1. Its symmetric, zenith-directed main beam has a half-power beamwidth of 140°, a front-to-back rejection ratio of 12 dB and the widest axial ratio of any antenna in its class. The M1575CQA also provides an additional 35-40 dB of interference rejection to the 800-900 MHz cellular bands.

MAXTENA MANUFACTURING

Maxtena manufactures its own antennas using proprietary antenna technology and has developed an industry unique manufacturing method that leverages printed circuit board pick-and-place processes to achieve unprecedented product yield, reduced cost and high volume production capabilities.

QUALITY & CUSTOMER SERVICE

Maxtena provides cutting edge antenna solutions with 100% satisfaction guarantee on all products to our customers. Maxtena will satisfy your company's needs.