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A.H. Systems, Inc.
9710 Cozycroft Ave, Chatsworth, CA 91311
Phone: 818-998-0223 Fax: 818-998-6892
Email: sales@ahsystems.com
Website: www.ahsystems.com

A.H. Systems manufactures a complete line of individually calibrated EMC Test Antennas and Current Probes that satisfy FCC, MIL-STD VDE, IEC and SAE testing standards. A.H. Systems also provides Accessories, Preamps and High Frequency Low-Loss cables that compliment other EMC testing equipment used to complete the requirements for a test facility. We provide rental and recalibration services for most of our antennas and current probes, including others manufactured worldwide. Delivering high quality products with prompt technical support for the entire product line are goals we strive to achieve including next-day, on-time delivery.

Antenna Factor
159 Ort Lane, Merlin, OR 97532
Phone: 800-489-1634 Fax: 541-471-6251
Email: info@antennafactor.com
Website: www.antennafactor.com

Antenna Factor is a rapidly growing division of Linx Technologies, Inc. a well established privately held corporation specializing in RF product solutions. Antenna Factor is a world leader in high-quality, cost-effective standard and custom antennas designed for a wide range of consumer and industrial wireless products. Antenna Factor has helped companies of all sizes meet the mechanical, electrical and aesthetic requirements of their wireless products. If you are looking for extensive support and design assistance or just a low-cost standard antenna, a visit to Antenna Factor will be beneficial.

Antenna Manufacturers

ACTIVE
A.H. Systems www.ahsystems.com
AVID Wireless www.avidwireless.com
Ethertronics, Inc. www.ethertronics.com
Monarch Antenna Inc www.monarchantenna.com
W Howard Associates www.whoward.com
Zeland Software Inc www.zeland.com

AIRBORNE
FLIR Motion Control Systems, Inc. www.dperception.com
PCTEL www.pctel.com
Vantage Associates Inc www.vantageassociatesinc.com
Wyle Laboratories Inc www.wylelabs.com

AUTOMOTIVE
Ethertronics, Inc. www.ethertronics.com

BASE STATION
Andrew Solutions www.commscope.com/andrew
Antenna Sites Inc www.antenna-sites.com
Kentrox www.kentrox.com
Larsen Antennas - A Pulse Brand www.larsen-antennas.com
Lightning Master Corp www.lightningmaster.com
Opisys, Inc. www.opisys.com
PCTEL www.pctel.com
Pulse Engineering www.pulseeng.com
Reade Advanced Materials www.reade.com
Samsung Telecommunications America www.samsung.com
Sinclair Technologies www.sinctech.com

BI-DIRECTIONAL
Electro-Metrics Corp. www.electro-metrics.com

BLUE TOOTH
Acceleware Corp www.acceleware.com
Celluteq Electronics, LLC www.celluteq.com
Ethertronics, Inc. www.ethertronics.com
Lambdoid Wireless Communications www.lambdoid.net
Richardson Electronics, Ltd www.rell.com
Zebryk Engineering www.zebryk.com

CELLULAR
Acceleware Corp www.acceleware.com
Antenova www.antenova.com
CITEL Surge Protection www.citel.us
Electro-Metrics Corp. www.electro-metrics.com
EoPlex Technologies, Inc. www.eoplex.com
Ethertronics, Inc. www.ethertronics.com
Harman Corp www.harmancorp.com
Microwave Circuits Inc www.diplexers.com
Sinclair Technologies www.sinctech.com
Antenna Research is made up of three main divisions: The Seavey Division (SEA), The Mobile and Tactical RF Unit (MTR), and The Wide Band Unit (WBU). ARA, Inc. has maintained a leadership role in RF, antenna systems and related technologies, through its notable innovation and excellent production quality. Antenna Research Quality Commitment ARA, Inc. has a rigorous Quality Management System (QMS) based upon ISO 9001:2008. Its Beltsville, MD operations are certified to this standard by the British Standards Institution (BSI). In Pembroke, MA we are certified by TUV USA.

Atlantic Concealment designs, engineers and manufactures innovative wireless site concealment solutions for wireless carriers seeking concealment options that meet the zoning requirements of specific markets and RF requirements that network engineers demand. These designs are a cost effective alternative to other more expensive and less expensive solutions on the market today. Most importantly our designs feature extremely low loss electrical characteristics while exhibiting architectural elements with superior mechanical characteristics and features that meet the most demanding property owners demands.

Applied EM is a pioneer in innovative compact antenna designs for commercial and defense applications. In collaboration with universities and industry partners, Applied EM specializes in developing small form factor antennas that reliably perform in relatively low VHF/UHF frequencies. The company has a DoD cleared facility in Hampton, VA where it conducts advanced antenna research and assembles a range of antenna products. Applied EM’s product line includes state of the art compact broadband antennas that cover 100MHz to 18GHz, compact direction finding antennas for VHF/UHF bands and compact GPS/Anti-Jam GPS antennas. Applied EM also developed novel “paint-on” antenna technology for conformal applications. Custom designs are available for OEM production. Applied EM also develops innovative electromagnetic simulation tools using asymptotic computational techniques.

Electro-Metrics Corp. is a leading manufacturer/provider of antennas and sensors for communications security, EMI/EMC, Cellular, SATCOM, and other wireless applications. Our products cover the frequency spectrum from 10 Hz to 40 GHz and higher. Broadband antennas and sensors are our specialty, but we readily provide custom units for special applications both for transmitting and receiving. Our products are available at competitive prices and typically are available from stock.
ETS-Lindgren is the leading supplier of RF and Microwave test systems and equipment, including Far Field, Near Field, and Compact Range chambers for RCS, antenna measurement, and Hardware in Loop (HiL) testing. We offer high performance biconical, dipole, pyramidal, conical, quad- and double-ridged horn antennas in standard and custom designs. Quality components include RF and microwave absorber, multi-axis positioners, field probes and monitors, to name a few. Wireless Systems enable OTA, A-GPS and MIMO OTA testing of mobile devices. System solutions feature EMQuest™ software for fully automated 2- and 3-D antenna pattern measurement for passive antennas and active wireless devices.

ETS-Lindgren
1301 Arrow Point Drive, Cedar Park, TX 78613
Phone: 512-531-6400
Email: info@ets-lindgren.com
Website: www.ets-lindgren.com

FEKO
P.O. Box 1354, Stellenbosch, 7599 South Africa
Phone: +27218801880 Fax: +27218801833
Email: feko_marketing@emss.co.za
Website: www.feko.info

FEKO www.feko.info is a comprehensive computational electromagnetics (CEM) code based on the accurate “full wave” Method of Moments. The leading MLFMM and the MoM hybrid with asymptotic high frequency techniques (PO and UTD) allows simulation of electrically large problems, e.g. antenna placement. Several techniques including Finite Element Method (FEM) available for dielectric regions.
Opisys, Inc. brings innovative RF solutions to the market. We pride ourselves in providing our customers with high quality, cost effective RF products. Opisys’ well engineered and field tested bi-directional amplifiers are at the cores of in-building coverage solutions. The amplifiers were designed to work with mobile phones from all US carriers, and encompass all generations of CDMA, GSM and iDEN, including the latest, data intensive 3G technologies.

Pulse is a global leader in the design and manufacture of antennas for emerging wireless applications. With antenna design and manufacturing facilities on 3 continents, and global design and product support, we provide our customers with unique, cost effective solutions for base station, mobile, portable and embedded applications globally. Our current customers include the leading manufacturers of mobile and wireless devices, as well as the major wireless OEM’s. The breadth of our product offering provides expertise in a wider variety of antenna structures than most antenna providers, which serves to benefit our current and future customers.

PCTEL is a leading global supplier of antenna solutions for multiple wireless applications including WiMAX, SCADA, land mobile radio, broadband wireless access, RFID, in-building wireless, aeronautical navigation, GPS and Smart Grid applications. We produce the industry leading antenna product lines MAXRAD®, Bluewave™ and Wi-Sys™. PCTEL’s engineering teams are world class and utilize some of the industry’s best design tools, test equipment, and test ranges to produce antenna solutions offering the customer excellent performance and value. PCTEL utilizes high quality materials to build antennas that provide the superior performance and reliability expected by our customers.

Remcom provides innovative electromagnetic simulation software and consulting services. Our products simplify the analysis of complex EM problems and lead the market in FDTD-based modeling and simulation. Applications include antenna design, bio/EM effects, MRI, microwave circuits, RFID, military and defense applications, EMC/EMI, and more. Our talented staff of engineers is available to collaborate on your most challenging projects to deliver custom engineered solutions. Remcom offers flexible and affordable licensing options for any budget or level of need.
RF Industries
7610 Miramar Road, San Diego, CA 92126
Phone: 858-549-6340 or 800-233-1728
Fax: 858-549-6345
Email: rfi@rfindustries.com
Website: www.rfindustries.com

Established in 1979, RF Industries is a leading designer and manufacturer of wireless communications products through its company divisions. The RF Connectors Division designs, manufactures and distributes RF/coaxial connectors from sub-miniatures to 7-16 DINS, tools and installation kits. The RF Precision Products line offers high frequency connectors and test cables up to 67GHz. The RF Cable Assembly Division fabricates a full line of standard and custom cable assemblies, with over 100,000 possible connector-to-cable combinations. The Aviel Electronics Division specializes in the design and manufacture of connectors that are not easily obtained, including discontinued series of other connector manufacturers and connectors to solve specific problems.

EMI/RFI Solutions

RF Industries
7610 Miramar Road, San Diego, CA 92126
Phone: 858-549-6340 or 800-233-1728
Fax: 858-549-6345
Email: rfi@rfindustries.com
Website: www.rfindustries.com

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MICROWAVE
A.H. Systems www.ahsystems.com
Acceleware Corp www.acceleware.com
Andrew Solutions www.commscope.com/andrew
AR RF/Microwave Instrumentation www.ar-worldwide.com
Emerson & Cuming Microwave Products, Inc. www.eccosorb.com
ETS-Lindgren www.ets-lindgren.com
Faulk & Foster Real Estate Inc www.faulkandfoster.com
MCE/Inmet Technologies Inc www.mcetechinc.com
RA Miller Industrial Inc www.rami.com
Rotating Precision Mechanisms, Inc. www.rpm-psi.com
Signal Antenna Systems, Inc. www.signalantenna.com
Spectrum Control, Inc. www.spectrumcontrol.com
X-DOT Inc www.x-dot.com

MILLIMETERWAVE
Grannatech Ltd www.grannatech.co.uk
TESSCO Technologies Inc www.tessco.com

MOBILE
3e Technologies International Inc (3eTI) www.3eti.com
Digital Antenna Inc www.digitalantenna.com
E/M Wave, Inc. www.emwaveinc.com
Emerson Network Power www.liebert.com
Ethertronics, Inc. www.ethertronics.com
Integrated Microwave www.imcsd.com
Larsen Antennas - A Pulse Brand www.larsen-antennas.com
PCTEL www.antenna.com
Sinclair Technologies www.sinctech.com
Unadilla Antenna Mfg www.unadilla.com

OMNIDIRECTIONAL
Alive Telecommunications www.alivetele.com
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Bluewave Antenna Systems www.bluewaveantenna.com
Comtelco Industries, Inc. www.comtelcoantennas.com
Electro-Metrics Corp. www.electro-metrics.com
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PCTEL www.antenna.com
Powerwave Technologies Inc www.powerwave.com
Signal Antenna Systems, Inc. www.signalantenna.com
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PLANAR
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Antenna Factor www.antennafactor.com
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For more than 35 years, RPM has been recognized as a preeminent supplier of Positioning Systems and Components for Antennas, Radar, Optics and Sensors in the commercial, government, military and scientific communities. RPM’s expertise lies in Positioning Systems and Controls and works with System integrators who are quality and price-conscious of these important and highly critical sub-systems. RPM is a small business registered company who’s experience + value added manufacturing = best value.

Rotating Precision Mechanisms, Inc.
8750 Shirley Ave, Northridge, CA 91324
Phone: 818-349-8680 x216
Fax: 818-772-7577
Email: sales-ast@rpm-psi.com
Website: www.rpm-psi.com

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<th>Category</th>
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<td>Plasma Antennas Ltd</td>
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<td>Toyon Research Corp</td>
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**Spectrum Advanced Specialty Products**

Fairview, PA 16415  
Phone: 814-474-2207  
Email: muellerK@spectrumcontrol.com  
Website: www.SpecEMC.com

Spectrum Advanced Specialty Products is a vertically integrated business that domestically engineers and manufactures custom application-specific antennas and antenna systems for the military, medical, commercial and m2m industries as well as all mission-critical applications. Typical products have high efficiency and high gain in applications over the 400 MHz to 14 GHz range. Antenna types include aperture, spiral, cavity backed, log periodic, slot, loops/magnetic dipole, planar, beam-forming static, EBA and switched arrays. Spectrum also offers low profile, omni-directional patch antenna elements and assemblies designed for satellite and ground based data systems. All antennas are 100% tested for critical performance factors.

**Andrew Solutions**

1100 CommScope Place SE, Hickory, NC 28602  
Phone: 828-324-2200  
Website: www.commscope.com/andrew

Andrew Solutions is a global leader in connectivity solutions for communications networks. We provide infrastructure solutions for wireless networks. Andrew Solutions is the behind-the-scenes connection that helps the world communicate.

**Antenova Ltd**

Far Field House, Albert Road, Stow-cum-Quy, Cambridge, CB25 9AR, United Kingdom (Great Britain)  
Phone: +44 1223 810600  
Fax: +44 1223 810650  
Email: info@antenova.com  
Website: www.antenova.com

Antenova is a leader in integrated antenna and RF solutions for wireless communication and consumer electronic devices. Applications include; GSM/CDMA, 3G, LTE, GPS, 802.11 a/b/g/n, Bluetooth®, ZigBee®, WiMAX™ and FM.
AR RF/Microwave Instrumentation
160 School House Road, Souderton, PA 18964
Phone: 215-723-8181  Email: info@ar-worldwide.com
Website: www.ar-worldwide.com

AR’s antenna offerings include a variety of rugged, high-power antennas available up to 50 GHz and 15,000 watts of input power. All AR antennas develop high fields suitable for EMC testing and many models can be calibrated for emissions testing.

Comtelco Industries, Inc.
501 Mitchell Road, Glendale Heights, IL 60139
Phone: 630-790-9894  Fax: 630-790-9799
Email: sales@comtelcoantennas.com
Website: www.comtelcoantennas.com

Comtelco is a U.S. manufacturer of Vehicle, Yagi and Omni Directional Base Station antennas, and related installation products, from 25MHz through 6GHz for two-way public service applications.

E/M Wave, Inc.
7630 Hub Parkway, Valley View, OH 44125
Phone: 216-453-1160  Fax: 216 447 8828
Email: kim.goryance@emwaveinc.com
Website: www.emwaveinc.com

Focused on Engineering and Marketing a growing line of feature-enhanced mobile and fixed-station antenna products that deliver more ‘Antenna Value’ for our customers’ investment.

Emerson & Cuming Microwave Products, Inc.
28 York Avenue, Randolph, MA 02368
Phone: 1-800-650-5740  Fax: 781-961-2845
Email: sales@eccosorb.com  Website: www.eccosorb.com

Manufactures ECCOSORB®, microwave absorbing materials; ECCOSTOCK®, dielectric materials for low-loss RF and microwave applications; ECCOSHIELD®, electrically conductive sheets, caulks, adhesives and coatings; and MetalTag™, Read-On-Metal RFID tags. ISO 9001:2000 registered.

Antenna Suppliers

ABSORBERS
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Emerson & Cuming Microwave Products, Inc.  www.eccosorb.com

ETS-Lindgren  www.ets-lindgren.com
Integral Technologies Inc  www.itkg.net
Nearfield Systems Inc  www.nearfield.com
Trans-Tech Inc  www.trans-technic.com

A.H. Systems  www.ahsystems.com
Acceleware Corp  www.acceleware.com
Communications Consultant Assoc  www.prt.net
Electro-Metrics Corp.  www.electro-metrics.com
Ethertronics, Inc.  www.ethertonics.com
PC Specialties  www.pcsitexas.com
Sinclair Technologies  www.sinctech.com
Tongyu Communication Equipment  www.tycc.cn

Wi-Fi
Bluewave Antenna Systems  www.bluewaveantenna.com
Ethertronics, Inc.  www.ethertonics.com
Round Solutions GmbH & Co KG  www.roundsolutions.com

Wireless
Antenna Factor  www.antennafactor.com
Emerson & Cuming Microwave Products, Inc.  www.eccosorb.com
Ethertronics, Inc.  www.ethertonics.com

Wireless LAN
AIR802 LLC  www.air802.com
Antenova  www.antenova.com
Ethertronics, Inc.  www.ethertonics.com
Lamboid Wireless Communications  www.lamboid.net
Pinyon Technologies  www.pinyontech.com
Pulse Engineering  www.pulseeng.com
Tetrafab LLC  www.tetrafab.com
Wade Antenna Ltd  www.wade-antenna.com

Yagi
Astron Wireless Technologies Inc  www.astronwireless.com
Spanawave Corp  www.spanawave.com

VEHICULAR
Azimuth Systems  www.azimuthsystems.com
Applied EM, Inc.  www.appliedem.com
Elite Electronic Engineering  www.elitetest.com
E/M Wave, Inc.  www.emwaveinc.com
Real Time Ops  www.realtimops.com
Signal Antenna Systems, Inc.  www.signalantenna.com
Sinclair Technologies  www.sinctech.com

WIDEBAND
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Acceleware Corp  www.acceleware.com
Comtelco Industries, Inc.  www.comtelcoantennas.com
Electro-Metrics Corp.  www.electro-metrics.com
Ethertronics, Inc.  www.ethertonics.com
PC Specialties  www.pcsitexas.com
Sinclair Technologies  www.sinctech.com

WIFI
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Round Solutions GmbH & Co KG  www.roundsolutions.com

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Antenova  www.antenova.com
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Pinyon Technologies  www.pinyontech.com
Pulse Engineering  www.pulseeng.com
Tetrafab LLC  www.tetrafab.com
Wade Antenna Ltd  www.wade-antenna.com

Yagi
Astron Wireless Technologies Inc  www.astronwireless.com
Spanawave Corp  www.spanawave.com

RF/Microwave Instrumentation
160 School House Road, Souderton, PA 18964
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Website: www.comtelcoantennas.com

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**ACCESSORIES**
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**AMPLIFIERS**
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**ANALYZERS**
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Pulstar Distributing  www.pulstar.net
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**COAXIAL CABLE**
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RFMW Ltd  www.rfmw.com
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**COMPONENTS**
BEI Kimco/CST  www.beikimco.com
EoPlex Technologies, Inc.  www.eoplex.com
Fair-Rite Products Corp  www.fair-rite.com
Opisys, Inc.  www.opisys.com
RF Micro Devices  www.rfmd.com

**CONCEALMENT**
Atlantic Concealment  www.atlantic-concealment.com

**CONNECTORS**
Advanced Antenna  www.advancedantenna.com
RF Industries  www.rfindustries.com
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