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U.S. Citizen
Held DOD Clearance
DOB: April-30-1964

Corporate / Technical Design / Fab / Production / QA / Test Experience

<https://www.linkedin.com/in/sean-huynh-b57090101/>

Co-Founder of Antcom Corporation, An Antenna Products Company in Torrance California, USA. <http://www.antcom.com/>
Started Antcom from Ground Level up to a \$6M Antenna Company. Sold It to Novatel and Continued to Run/Grow It to \$12M Company.
Specialized in Avionics/Ground/Space/Marine Telecommunication Antenna Products for Military/Commercial Applications.
Antenna Products Developed/Certified: http://www.antcom.com/documents/catalogs/Antcom_Antenna_Products.pdf

- Designed, Negotiated, and Won:
 - Many Multi-Year High Volume Passive/Active L1/L2 FRPA GPS Antenna Contracts for Military Ground Applications.
 - Many Multi-Year High Volume FRPA/CRPA GPS Antenna Contracts for Guided Munitions, Helicopters/Airplanes Applications.
 - Repeated VHF/UHF/L/S/C/Ku-Band Blade Antenna Contracts for Avionics, Ground, and Marine Applications.

15 Years Experience in VP/General Manager & 20 Years Experience in VP of Eng/R&D. All in Antennas/Microwave-RF.

20 Years Experience in Marketing/Sale, R&D, Engineering, Production, QA, Test, TSO Certification, ISO-9001. All in Antennas/RF.

28 Years Experience in Antenna/Microwave CKT Design, AutoCAD, Simulation, Test, Equipment, Near/Far-Field Antenna Testing, Material/Industrial Engineering, Mil-STD-810E/DO-160 Testing, TSO Cert, Radomes, Injection Molding, Enclosures, Coating, Painting, Adhesives, Bonding, Foams, Gaskets, O-rings, Screws, Connectors, Cables, Wires, Metal, Ceramics, PCB, Pick/Place, Electronics Parts.

MATTERWAVES

Antenna Technology Dec-2017 - Present : President at Matterwaves Antenna Technology in Torrance, CA, USA.

- Rapid Customization, Fabrication & Production of High End L1/L2/L5 GPS, Glonass, GNSS, CRPA, L-Band, Inmarsat, Iridium, Thuraya, Globalstar, Beidou, VHF/UHF, L/S/C/Ku-Band Antennas for Video/Data Link, Satellite, Avionic, Ground, Marine, and Deep Sea Telecommunication Applications.



1997 – 2017 (20 yrs): Co-Founder at Antcom Corporation in Torrance, CA, USA.

VP of Engineering and R&D (2012 – Sep-2017):

- Fully in Charge of Electrical/Mechanical Engineering, R&D, QA Departments.
- Provide Key Decision Making to Sales/Marketing/Tech Support/Production. Solve Problems and Lead.
- Design/Develop/Production of High End L1/L2/L5 GPS, Glonass, GNSS, CRPA, L-Band, Inmarsat, Iridium, Thuraya, Globalstar, Beidou, Compass, IRIM, XM, Sirius Antennas for Satellite Telecommunication Applications; VHF/UHF, L/S/C/Ku-Band Antennas for Video/Data Link Applications; UHF, L/S/C-Band Amplifiers.

VP and General Manager (1997 - 2012):

- Fully in Charge of Antenna Products of the Company from Marketing, Sales, Customer Supports, Engineering, Production, Product Development, Inventory, Quality Control, Certification, Budgeting, Human Resource.
- Design/Develop/Production of High End L1/L2/L5 GPS, Glonass, GNSS, CRPA, L-Band, Inmarsat, Iridium, Thuraya, Globalstar, Beidou, Compass, IRIM, XM, Sirius Antennas for Satellite Telecommunication Applications; UHF, L/S/C/Ku-Band Antennas for Video/Data Link Applications; UHF, L/S/C-Band Power Divider/Amplifiers.

NORTHROP GRUMMAN

1994 - 1997 (3 yrs): TRW (Northrop Grumman) in Redondo Beach, CA, USA.

Section Head in Antenna Department (1996 - 1997):

- Supervise a group of 6 Members of Technical Staffs
- Work on Government Classified Projects
- Work on the Satellite Up-Link Phased Array Antenna for Teledesic
- Design/Develop (2-12) GHz 1024-Way Power Combiner for Classified Projects
- Design Fixed/Mobile CD-Radio Antennas for Digital Radio Applications.
- Work on Point-to-Point/Multi-Point Communication Antenna for Winstar Proposal

Senior MTS in Antenna Department (1994 - 1996):

- Microwave/Antenna Hardware Design/Simulation/Product Development
- Software Simulation for 60 GHz Beam Waveguide Antenna System
- Responsible Design Engineer for Odyssey Multi-beam Satellite Communication Beam-Forming Network
- Responsible Design Engineer for Odyssey Handset Antenna and Fixed Terminal Antennas
- Responsible Design Engineer for Ku/Ka-Band TDRSS Polarizer/TWC Systems



1989 - 1994 (5 yrs): Sensor Systems, Inc. in Chatsworth, CA, USA

Supervisor of R&D Electrical Antenna Department (1992 - 1994) / Antenna Project Engineer (1989 - 1992):

- Technical Proposals and Product Development
- Design, Fabrication, Testing, and Tuning Active and Passive Prototype Antennas, RF & Microwave Circuits for Avionics, Fixed & Mobile Satellite Communication Systems
- Software Development & Production Support
- Antennas Designed: Active L1/L2 GPS Microstrip, Active Differential GPS/SatCom, Microstrip Low-Gain L-Band SatCom, Planar Array L/Ku-Band SatCom, L-Band SatCom Blade, Microstrip GPS/Glonass, UHF Satcom, TCAS, L-Band/UHF Blade, VHF Blade, Altimeter, Glide-Slope, Log-Periodic, Horns, Backed-Cavity Spirals Cross Dipoles, Phased-Arrays, Hybrids, Radar Augmentation Systems, and Other Antenna Applications
- RF/Microwave Circuits Designed: Amplifiers, Filters, Diplexers, Switches, Phase-Shifters, Couplers, Power-Dividers Using Lumps, Microstrip, or Stripline Components
- Work in Frequency Bands: HF, VHF, UHF, L, E/F, S, C, I, J, and Ku Band

EDUCATION:

- **B.S. and M.S.** Degree in Electrical Engineering from California State University Northridge, CA, USA, 1989/1993. Majoring in Antennas/Microwave Circuits (Study under Dr. Edmond S. Gillespie)

HONORS, AWARDS, & PATENTS:

- U.S. Patent No. US 9,837,721 B2 “Low Profile Dipole Antenna”.
- U.S. Patent No. US 9,257,756 B2, “Dual Band Directive/Reflective Antenna”.
- U.S. Patent No. US 9,214,734 B2, “Multi-Quadrifilar Helix Antenna”.
- U.S. Patent No. US 05760741, “Beam Forming Network For Multiple-Beam-Feed Sharing Antenna System”.
- U.S. Patent No. US 5872549, “Quadrifilar Helix Antenna Feed Network”.
- U.S. Patent No. US 06002377, “Low Cost Mobile/Fixed Satellite Telecommunication Antennas”.
- U.S. Patent No. US 06040805, “Low Profile Choke Slot Ground Plane for GPS Application”.

- Special Recognition by Raytheon, Precision Guidance Systems, for Developing small high performance Handheld L1/L2 Helix GPS Antenna for DAGR Program, 2003.
- Special Recognition, Roll of Honor, by TRW’s Space & Electronics Group for Independent Research and Development of Mobile Communication Antenna Technology, 1996