

Amphenol

Shanghai Amphenol Airwave Communication Limited



Position:	RF Test Engineer
Company:	Amphenol Corporation (www.amphenol.com)
Product Group:	Amphenol Mobile Consumer Products Group (MCP) (www.amphenolmcp.com)
Operating Unit:	Shanghai Amphenol Airwave Communication Limited (SAA)
Location:	Brighton, MI (Detroit area)
Reporting Line:	Engineering Manager (based in Detroit area)

The Company:

For over 80 years, Amphenol has been a premier provider of advanced technology interconnect products to the world's leading electronics companies. From our first product in 1932 – tube sockets for radios – to our current broad array of interconnect products, antennas, and sensors, we have consistently strived to create leading-edge, innovative products for a diverse range of customers across a multitude of industries and end markets. Through our close collaboration with these customers, Amphenol has become the interconnect partner of choice in enabling the electronics revolution. Listed on the NYSE with sales of \$8.1 Billion in 2019 and a component of the S&P 500, Amphenol is a top performing company with an unparalleled history of growth. Our organization is spread across more than 30 countries with more than 60,000 employees in greater than 100 facilities. Our long term track record of success reflects in particular the agile, entrepreneurial culture of our management team, who consistently demonstrate an unwavering commitment to creating value for our customers.

Amphenol Mobile Consumer Products (MCP) provides a broad range of components in multiple markets, with presence on more than 50% of the world's mobile devices produced each year. Amphenol MCP designs and manufactures antennas, interconnect products, and other components found in mobile phones and other mobile devices; as well as antennas for automotive and other markets. Our capability for high-volume production of these technically demanding, miniaturized products, combined with our speed of new product introduction, is a critical factor for our success in these markets.

The Job

Summary

We are seeking an *RF Test Engineer* for our Automotive R&D team based in Southeast Michigan. You will be responsible for testing and evaluation of automotive antennas and related products; and assisting the Design Team with product development. You will be based in Brighton, MI.

Essential Duties & Responsibilities

- To perform laboratory and field testing of antennas and related products (such as amplifiers) for automotive applications in infotainment, telematics, and related communications protocols
- To maintain and operate an indoor anechoic testing facility and an outdoor vehicle test range
- To maintain and upgrade the software used to operate the test equipment
- To cooperate with other design engineers on-site and in other worldwide locations, in ensuring Amphenol's designs meet all customer requirements for performance, reliability, safety, and cost
- To review customer technical specifications, design guidelines and related documents, and develop test routines to meet them
- To meet with customers and provide technical support as needed
- To fabricate test fixtures and other equipment as needed, with the assistance of other team members
- To assist the on-site engineering team with all aspects of customer technical support
- Some travel may be required, including occasional international travel to Europe and Asia. Approximately 5% - 10% of total work time may be dedicated to business travel.

Qualifications

The ideal candidate has a degree in a relevant field. We are looking for a recognized professional with the following attributes:

- BSEE required. Advanced degree in electromagnetics preferred. Candidates with degrees in other engineering disciplines will be considered, if coupled with relevant experience in automotive RF.
- Two years of experience in antenna design.
- Experience in antenna technologies and applications specific to the automotive industry.
- Must have an understanding of electromagnetic theory, microwave and antenna Testing, tinning and design.
- Knowledge of AM/FM, SDARS, GNSS, RKE, 4G/5G LTE, 802.11, Bluetooth, DSRC, and C-V2X is preferred.
- Proficiency in MATLAB.
- Hands-on skill with FEKO antenna simulation tool (or related tools such as CST-MWS and HFSS) is preferred.
- Experience of tackling key technical problems or innovative designs independently.
- Proactive and self-motivated. Curiosity and sensitivity for science, technology and engineering are essential.
- This position will require a variety of skills and cover many varied tasks; therefore flexibility, an ability to work independently, and move “outside the comfort zone” will be essential to success.
- Good team spirit and communication skills.
- Fluency in both written and verbal English.

Please send your application to: lauren.devine@amphenolmcp.com