

JOE A. HAMEED M Sc.
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Summary:

Track record of successfully leading all phases of projects including procurement, planning, scheduling, execution, budget preparation, risk management, and supervising geographically and culturally diverse teams. Conducted reviews with management, interfaced with field personnel for the project done professionally and in timely manner. Recognized as team leader on major telecommunication projects, certifications, in mentoring, motivating and coaching the team members in achieving their goals. Possess excellent communications, presentation and inter-personal skills.

Electronic I have many years of experience in utilizing such as synthesized signal generators, digital and analog oscilloscopes, volt meters, power supplies, power meters, microwave frequency counters, high voltage and high current amplifiers. Vector Network Analyzers, Spectrum Analyzers and EMC receivers.

Lab Responsible for calibration and maintenance of standards like RF attenuators, Power sensors voltage, current, resistance, inductance, Standards capacitance, standard cells, cesium time clocks and GPS frequency standards.

Education Masters in Telecommunication Engineering (USA)
Certified in Cellular Radio & Communications IEEE 96 (USA)
Certified in EMI/EMC, Principles, Measurements & Technologies IEEE 99 (USA)

EMI / EMC

EMC / EMI Regularity Testing	Cispr 12 Radio Disturbance Characteristics
DO- 160 sec 22 level 4 Transients Testing	Radiated & conducted Emission
Signal & Spectrum Analysis	Quality Management
Calibration Procedures Development	Testing TWT & High Power Amplifiers
Conducted Susceptibility	Radiated Susceptibility
Network Analysis & Measurements	EMC Statistical Analysis

Computer Utilized computer controlled GPIB bus systems for calibration of controlled microwave measurement standards as well as other bus controlled TMDE (test, measurement, diagnostic equipment). Wrote HP basic calibration programs to automate the calibration of TMDE, as well as quality auditor of HP programs. Familiar with MS Office

Work Experience

Marsh Metrology.
Burlington Ontario

April 01 2014 - Present

I was engaged to set up a RF & Microwave calibration laboratory from DC – 26.5 GHz for calibration of the followings Test & Measuring Equipment:

- *Power Sensors 10 MHz to 18 GHz
- *Thermistor Mounts 10 MHz to 18 GHz
- Power Meters 10 MHz – 110 GHz (Sensor Dependent)
- *Signal Generators 0.01 - 26.5 GHz
- *Spectrum Analyzers up to 26.5 GHz
- Network Analyzer up to 26.5 GHz
- *Attenuators up to 26.5 GHz
- * Indicates Automated Systems

Nissan Technical Center North America
Farmington hills Michigan.

November 26 - 31 March 2014

- EMC Engineer
- Using R&S EMC Receivers & Software for EMC results
- Measuring Susceptibility (Known as Immunity)
- Making Test Schedules of New Cars
- Making Test Reports after Completions of tests
- Using R&S EMC Software conduct & radiated emission

Tradeport Electronics Group
Microwave Specialist

April 30 – 23 November 2012

- Calibration of RF & Microwave Test Equipment
- Writing Test & Calibration procedures
- Training Lab Technicians & customers
- Application Engineering & support
- Field Engineer for introduction of new products.

Honeywell
Senior Advance EMC Test Engineer

24 Oct –13 April 2012

- EMC Testing Cabin Temperature & Cabin Pressure Devices for Airbus 350 Aircrafts for Lighting Effects
- Measuring Radiated & Conducted Emissions
- Measuring Susceptibility of Systems. Using TDK System
- Using R&S EMC receivers, R&S Software
- EMC Testing Power Distribution Unit for AW T 129 Attack Helicopters
- Power distribution & Lighting Effects and performance.

Flextronics Burlington
Engineering Technologist

02 May – Oct 14, 2011

- Working in R&D environment. Testing and upgrading Software version
- Testing Smart Pad and Cradles. Performing HDMI video testing
- Using Microwave Spectrum & Network Analyzers.
- Mixed signals analysis using Tektronix oscilloscopes

**Royal Saudi Air Defense Forces.
Microwave Specialist.**

Feb.1988 - 31 Jan 2010.

- Calibration & EMC Testing of Military EW Systems & Test Equipment.
- Writing Test Procedures for EMC Compliance Specifications.
- Fiber Test Equipment applications & calibration
- Weapon Systems. Communication Equipment
- Use of Spectrum Analyzers, Network analyzers & more
- Developed Computer aided System for Automatic Calibration.
- Designed training plan and trained lab staff
- Wrote technical test procedures
- Worked on command & control communications Systems.
- Handled the RF communications systems.

Note: Took one year leave from Air defense without Pay to work for Alcatel as EMC Engineer

**Alcatel USA
EMC Engineer.**

Nov 98 – Nov 99

- Working as an EMC engineer. Helping design engineers with the solutions at the module and circuit board design level.
- Complete systems tests for Belcore 1089 specification.
- NEBS Testing
- Automated the Aneocih Lab using EMC turntable, control box & Antenna Tower
- Implemented Under Writer laboratory software for accurate measurements

**HP
Field Engineer (Measuring instruments)**

Jul 85-Feb 88

- Sales Engineer for Microwave & Communications Test Equipment to Bell Canada's Saudi Arabian Operation
- Provided Training Seminars on MW Measurements.
- Sold and installed a complete calibration laboratory (DC -26.5Ghz) to the Royal Saudi Air Defense Forces.
- Sold, installed, and trained Al-Kharj industries on the Metrology laser system.

Field of Specialty

- EMC/EMI Tests & troubleshooting. At Systems & Modules Levels
- Microwave Network Maintenance & Management and Engineering
- Microwave Antennas Orientation & Wave Guide testing & run
- Microwave Path profile & Design
- Microwave Long Distance System Line Up
- Test Procedure Design
- Technical Training Courses Design
- Proficient in Computers & Wide variety of Software Applications

Professional Affiliation Member of IEEE Since 1989

- Communication
- Microwave Theory and Techniques
- Instrumentation and Measurements
- Defense and Space Communication
- Light wave Technology

Professional Courses

- Microwaves I & II
- Supervisory Development Program
- Interviewing Program
- Microwave Power Meters & Measurements Techniques
- Network Analysis
- Spectrum Analysis
- Frequency Synthesizers & Signal Generators
- Microprocessors & ASM
- PCM (Pulse Code Modulation) System
- Logic Analyzers
- Telecommunication Training
- Optical Fiber Test Equipment
- Telecommunication Measurements

- Professional Telephone selling Skill
- Automatic Sig. Generators Calibration System
- Automatic attenuators Calibration System.

References are available upon request