

CURRICULUM VITAE

G VISHWANATH PHANINDRA

C/o 2-2-114/4/1,

Vijayapuri Colony,

Near Gandhi Statue, Uppal

Hyderabad-500039

Telangana

Email: vishwanath.gvp@gmail.com

Mobile: 91-8886226422

Objective:

To be a challenging person in a motivating and stimulating environment where my abilities can be utilized to the maximum extent towards company's growth and have ample scope for enhancing my skills.

Professional Experience:

A versatile professional with 7 years of experience of Quality Inspection, Process Quality Control, Incoming Quality Control as per IPC standards in manufacturing /Telecom/ Electronics industry .

Experience of Quality Inspection, Functional testing, Hardware testing and Environmental Stress Screening tests.

Delivered quality controls and enhancements to proactively address Problems and improved product quality, manufacturing flow, customer satisfaction

Developed skills in the field of Electronics industry, Lean Manufacturing, Kaizen, Problem Solving, 7 Quality tools, 8D, Risk assessments.

Possess excellent communications skills and team oriented & problem solving analysis to improve processes, systems, and methodologies I have 6 years of experience in Quality Assurance as well as Quality Control department of Electronic Assemblies, performing ESS (Environmental Stress Screening) tests, Internal audits, Project Documentation,

Organization : Astra Microwave Products Ltd.

Designation : Engineer (Quality Assurance)

Period : May-2013 to Jan-2019

Organization : Vedang Radio Technology Pvt Ltd.

Designation : Assistant Manager Quality Assurance

Period : Jan-2019 to till date

RESPONSIBILITIES:

- Responsible for overall quality chain starting from Incoming Quality, In-process Quality Assurance, Final Quality Assurance, Customer Feedback and Corrective Actions.
- Product/Component Evaluation Plan and execution.
- Reviewing & monitoring Quality problems of internal & external customers.
- Quality flow chart preparation and execution with respect to the product.

- Process / field failure analysis.
- Test procedures verification and validation.
- User manuals and technical manuals verification.
- Involved in EMI/EMC Tests as per MIL STD 461E, Environmental Tests as per MIL STD JSS 55555.
- Monitoring and controlling the manufacturing Processes from In-process to final stages.
- Ensuring the product specifications & performance according to the customer requirements.
- Coordinating and filling the gap between internal teams and the end users/clients.
- Analyzing the root causes for In-process & field failures to implement the Corrective & Preventive actions (CAPA).
- Good knowledge on JSS55555 standards.
- Good Knowledge on ESS (Thermal shock, thermal cycling & vibration) and EMI/EMC tests.
- Awareness on 5S, FOD and 7-QC tools and awareness on 8D, PFMEA, DFMEA & MTBF.
- Ensuring that the documented system is in place within the department and also in every stage of manufacturing.

PROJECT PROFILE:

Project 1	Multi Object Tracking Radar
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Employer : Astra Microwave Products Ltd.
 Client : SHAR, Sriharikota
 Role : Quality Control/ Quality Assurance
 Location : Hyderabad

Description:

As of now, only one object is tracked throughout the launch process. These are the modules which are specially designed which can track 10 different objects simultaneously with a range of nearly 1000km. while the existing radars have a range of 300 to 400km.

RESPONSIBILITIES:

- In process inspection of Printed Circuit Boards.
- Integration of the modules.
- Ensuring the product specifications & performance according to the customer requirements

Project 2	Low Noise Exciter, Transceiver Unit, Receiver down converter (0.5-2GHz)
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Employer : Astra Microwave Products Ltd.
 Client : BEL, Ghaziabad
 Role : Quality Control/ Quality Assurance
 Location : Hyderabad

Description:

These are the Sub modules in BHARANI RADAR, low noise exciter generates required RF Stimulus to the Receiver and Transceiver with Doppler shift, this Stimulus was amplified (1Kwatt pulsed) by the transceiver and transmitted through antenna and echo signal will be received by Receiver and down conversion has been done through this Receiver this down converted baseband signal will be processed by signal processor card and it will display the obstacle information on CDU.

RESPONSIBILITIES:

- Monitoring and controlling the manufacturing Processes from In-process to final stages.
- Component/Product Evaluation Plan and Execution.
- Ensuring the product specifications & performance according to the customer requirements.

Project 3

BIT SOURCE (Multiband Frequency Synthesizer- 1.5-15 GHz)

Employer : Astra Microwave Products Ltd.
Client : BEL, Bangalore
Role : Quality Control/ Quality Assurance
Location : Hyderabad

Description:

It is a Multiband Frequency synthesizer having high level of stability and accuracy, it has four individual PLL paths and it can be controlled by SP5T switch followed by broad band power amplifier, by using Digital logic controls SP5T switch can produce desired frequency band from 1.5GHz to 15GHz.

RESPONSIBILITIES:

- Monitoring and controlling the manufacturing Processes from In-process to final stages.
- Ensuring the product specifications & performance according to the customer requirements.
- Analyzing the root causes for In-process & field failures to implement the Corrective & Preventive actions (CAPA).
- Reviewing & monitoring Quality problems of internal & external customers
- Responsible for overall quality chain starting from Incoming Quality, In-process Quality Assurance, Final Quality Assurance, Customer Feedback and Corrective Actions

Project 4

Ground Up Down Converter, Airborne Solid-state Power Amplifier , Ground Solid-state Power Amplifier (4GHz-6GHz)

Employer : Astra Microwave Products Ltd.
Client : BEL, Bangalore
Role : Quality Control/ Quality Assurance
Location : Hyderabad

Description:

These are the sub modules in RUSTUM-UAV system to find out the target data In 3 dimensional way, it was operated in C-BAND And in this receiver uses superhetrodyne principle to get IF information. In this my role is to testing of these modules in standalone trouble shooting of the problems and customer interaction.

RESPONSIBILITIES:

- Ensuring all incoming raw materials is inspected as per the documented procedures and standards.
Controlling the in-process and final inspection stages and inspecting all finished goods against customer requirements, company standards and other statutory requirements.
- Preparing and maintaining of Product Quality plans.
- Analyzing In-process and field failures to find out root cause and corrective preventive Actions.

Project 5**IFF Switch and SPDT Switch (1-1.2GHz)**

Employer : Astra Microwave Products Ltd.
Client : BEL, Ghaziabad, LRDE-Bangalore
Role : Quality Control/ Quality Assurance
Location : Hyderabad

Description:

IFF Switch is used in BHARNI secondary level radar to identification of ECHO signal of FRIEND or FOE within 10Km range. By using digital control circuit we can select the switch path.

RESPONSIBILITIES:

- Ensuring all incoming raw materials is inspected as per the documented procedures and standards.
Controlling the in-process and final inspection stages and inspecting all finished goods against customer requirements, company standards and other statutory requirements.
- Preparing and maintaining of Product Quality plans.
- Analyzing In-process and field failures to find out root cause and corrective preventive Actions.

Project 6**Noise Generators , Power amplifiers (1-2.2GHz)**

Employer : Astra Microwave Products Ltd.
Client : BEL, Panchakula
Role : Quality Control/ Quality Assurance
Location : Hyderabad.

Description:

Based

on White noise effect this noise generator will produce noise and required frequency band will be produced by VCO and for this noise signal power amplifiers will give the booster performance for mobile signal cancellation.

RESPONSIBILITIES:

- Ensuring all incoming raw materials is inspected as per the documented procedures and standards.
Controlling the in-process and final inspection stages and inspecting all finished goods against customer requirements, company standards and other statutory requirements.
- Preparing and maintaining of Product Quality plans.
- Analyzing In-process and field failures to find out root cause and corrective preventive Actions.

Project 7	UTTAM(AESA RADAR) PLANK CONTROLLER PCB
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Employer : Astra Microwave Products Ltd.
Client : ELECTRONICS & RADAR DEVELOPMENT ESTABLISHMENT, Bangalore
Role : Quality Control/ Quality Assurance
Location : Hyderabad

Description:

The AAAU is the Active Array Antenna unit which is an array of antenna elements integrated with active Transmit/Receive modules (TRM) capable of controlling both the amplitude and phase of the RF excitation. The Transmit Receive Module (TRM) are the key elements of AAAU. A group of four TRMs are housed in a single mechanical enclosure is referred as the QUAD TRM (QTRM)

RESPONSIBILITIES:

- Ensuring all incoming raw materials is inspected as per the documented procedures and standards.
Controlling the in-process and final inspection stages and inspecting all finished goods against customer requirements, company standards and other statutory requirements.
- Preparing and maintaining of Product Quality plans.
- Analyzing In-process and field failures to find out root cause and corrective preventive Actions.
- Ensuring that each QTRM is coded/encoded with its respective software.

Technical Skills:

Operating Systems : Windows, Linux
Office Suits : MS Office
IPC-610 : Electronic Assembles

EXPERTISE AND EXPERIENCE:

- Maintain Quality Records as per ISO/AS Standards.
- Conduct Component first article, in processes & Final Inspection
- Interacting with clients for reducing the failure percentage in on field problems
- Failure Mode Effect Analysis in order to reduce the scrap and consumables
- Co ordination with Team Leaders for all requirements

Educational Qualification:

- Engineering in Electronics and Communications Engineering, JNTU Hyderabad
- Intermediate From Narayana Jr. College, Vanasthalipuram, Hyderabad.
- SSC, from Sree Rushi Vidyalaya, Hanamkonda, Warangal Dist.