

## Summary

Having 5 years of Exp. in LTE & VOLTE-RF drive & Optimization, problem solving & team building skills with proficiency at grasping new technical concepts quickly and utilizes the same in a productive manner.

## Skill Highlights

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- Drive Test with TEMS Investigation
- Log analysis with ACTIX Analyzer.
- Analyze LTE RF Parameter & Suggest for Optimization
- Resolving Customer Complaint in VI Network
- Mobile DT Tool (XCAL, G-Net etc.,)
- Drive test report preparation
- Analyze root cause of poor signal strength, Poor Throughput & Call Drop
- KPI Analysis & Optimization.

## Experience

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### Senior RF Engineer – VI Project

#### Integrated Wireless Solution

10 Months

- Carrying out the Physical tuning for the LTE Sites to improve the SINR || RSRP to improve the user experience.
- Working on log analysis using Actix Analysis, TEMS Investigation Tool.
- Good knowledge of IMS and VoLTE, VoWiFi.
- Working on IMS Procedures & Services,
- Willingness to learn and adapt to new opportunities and challenges.
- Good team player with strong interpersonal skills.
- Testing done with IMS calls over VoLTE/VoWiFi/ViLTE.
- Performed Volte IMS Call testing and SIP, IMS, Diameter message to debug on Volte IMS Calls.
- Analyzing the LTE SCFT & Cluster drive and preparing the SCFT & Cluster Drive Report.
- Coordinating the Drive team and providing the optimization solutions to do the physical tuning.
- Handling regarding about network complaints like coverage problems and providing suitable solutions.
- Good understanding of LTE call flow Attach/Detach procedure, TAU procedure, Handovers, Network Registration process.
- Knowledge on end-to-end IMS call flow (Call hold, Call Forward, call conference, Call transfer).
- Knowledge on Poor Coverage reason, Optimization Suggestion, New Sites planning.
- Good understanding in IMS architecture with all the nodes.

## **RF Drive Test Engineer**

**Client – Huawei Telecommunication**

**Bharti Airtel Project – Metro Tel works private Limited.**

**1 Year Experience**

- Mobility analysis for HO prep and HO execution failures and rectification to improve the same.
- Parameter Audit and Consistency Check for eNodeB's
- Identify PCI confusion, confliction cells and rectify with help of planning team
- Traffic Balancing between Carriers to improve Network Quality using Idle Mode and Connected Mode
- Good understanding of Huawei LTE Features like Mobility control at poor coverage, Multi-RRC Establishment, UL/DL Coordinated Multipoint, MIMO strategies, CDRX tuning, Idle mode Strategy, Automatic Handover Optimization, Carrier Aggregation etc.
- Identification of VoLTE issues like lack of dynamic QCI-1 activation, VoLTE required features not activated, SRVCC issues etc.
- Responsible for Network Audit for discrepancies and parameter changes for the improvement of KPI (Accessibility, Retainability, Mobility Service Integrity)
- Define optimal neighbor relationships.
- Analysis of site performance after integration using drive test measurements.
- Responsible for adding and cleaning up neighbors using OSS
- Preparation of drive routes for single site/ cluster and co-ordinate drive test with Mapinfo, QGIS tool

## **RF Drive Test Engineer**

**Idea Project – Radcomm Solution**

**3 Year Experience**

- Carrying out the Physical tuning for the LTE Sites to improve the SINR || RSRP to improve the user experience.
- Worked for entire Bangalore city Benchmark Drive for the Airtel.
- Worked on Massive MIMO, Twin beam || Small Cells LTE Rollout.
- Packet data analyzing by use of Wireshark in video streaming project
- LTE Drive test analysis with the help of Genex probe which contains RSRP analysis, SINR analysis, overlapping cells optimization, missing neighbors (4G to 4G & 4G to 3G), and parameters
- Analyzing the LTE SCFT & Cluster drive and preparing the SCFT & Cluster Drive Report.
- Coordinating the Drive team and providing the optimization solutions to do the physical tuning.
- Handling regarding about network complaints like coverage problems and providing suitable solutions
- Performed Coverage Analysis, Identified & Optimized Coverage Holes based on CPICH.
- Ec/No & RSCP
- Analysis of HO failures, poor throughput areas and providing the possible solutions.

## **Tower Electrical maintenance – Artom Telecom**

**3 Year Experience**

- O & M electrical maintenance up to 22 tower
- Installation of electrical equipment ACPDB, Power plant Battery bank
- Alarm clearance of all external alarm on site

## Education

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Bachelor of Engineering in Mechanical Department (2011-2015) with **75%** aggregate Govt College of Engineering Tirunelveli.

**Languages:** English, Tamil, Kannada (Speak), Hindi (Speak)

**Date of Birth:** 20-May-1994

## Personal Details:

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Father's Name: Mr. K. Kaliappan (Late)

Mother's Name: Mrs. K. Seeniammal.

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I hereby declare that the information given above is true to the best of my knowledge and belief.

(KALIMUTHU. K)