

EMAIL – pateldharmendra1990@gmail.com

Profile-[ RF Optimization]

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#### CARRIER OBJECTIVE

Seeking assignments in RF Planning & Optimization as well as Technical Services with an organization of repute in Telecom Sector

**Having Around 7 years of Experience in (VOLTE/4G, WCDMA/3G, GSM/2G ) in RF optimization and Planning.**

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- Worked on NOKIA Systems.
- Excellent hands on experience on 4G LTE RF – Optimization & Performance Measurement.
- Having Knowledge of LTE/WCDMA/GSM RF PARAMETERS & KPI's.
- Having DT Based Optimization experience By analyzing Log files (LTE,GSM&WCDMA) in TEMS,NEMO,ACTIX,GLADIATOR, AZENQOS
- Having Brief Knowledge Of AWS and Cloud Computing.

#### EDUCATIONAL QUALIFICATION

B.E. in “Electronics & communication” (Year 2013) from Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal (M.P.)

#### PROFILE:-

Name of Organization	: Vedang Cellular Pvt Ltd
Designation	: Radio Network Optimizer
Functionality	: Network Engineer
Vendor	: Ericsson India Pvt Ltd
Project	: Bharti Airtel Pvt Ltd
Period	: 4th March 2020 to Present
Location	: Ahmedabad , Gujrat

#### Tools Proficiency:

TEMS Discovery 10.2.3 Post processing tool, Azenqos.

Other tool: MapInfo Professional 10.5.,Gladiator,Google Earth

#### Responsibilities -2G/3G/4G/VOLTE:

- Analysis of Drive Test Data by using TEMS Discovery & Gladiator, Azenqos Post Processing Tool.
- Responsible for Cluster Report Preparation after Cluster Drive Test.
- Responsible for TRAI/ IDT/ OADT/TPBM and assurance with report submission with customer with all KPIs meet.
- Pre-Post cluster optimization for monthly activities with respect to Level, throughput, Handover for 2G/3G/4G/volte technology.
- Analysis for Poor Quality and Coverage and Provide Suggestion for improving.
- Troubleshoot the areas with poor RF performance. Request Drive tests, analyze data and recommend network changes as applicable. .
- Analysis of Connection Failure ,Handover Drop , Connection Drop & Lower Throughput and provide Suggestion for Troubleshooting this Issue.
- Responsible for Post Launch Optimization. (RRC Connection Failure Rate, E-RAB Failure/Success Rate, Call Drop Rate, Handover Failure Rate, Uplink/ Downlink Throughput.)
- Coordinating with the Vendor teams for Drive test, audit and optimization.
- Post analysis of issue based drive testing for coverage, neighbor optimization, drop calls, soft/hard handover analysis..
- Analysis Drive test data (2G, 3G, 4G, & VOLTE) & Create suggestion to improve Network performance.
- Benchmarking for major towns conducted quarterly in a year and optimization of golden route.
- Provide support & solution to drive test engineers for troubleshooting the issues

#### PREVIOUS EXPERIENCE:-

**Name of Organization** : NR Switch Pvt Ltd  
**Designation** : DT coordination  
**Functionality** : Network Design & Optimization Engineer  
**Vendor** : Ericsson India Pvt Ltd  
**Project** : Bharti Airtel Pvt Ltd  
**Period** : 3th July 2018 to 29th March 2020  
**Location** : Ahmedabad

#### Tools Proficiency:

- **NETACT, MAP INFO, NEMO Analyzer, GOOGLE EARTH.**

#### **Responsibilities-4G/LTE:**

- LTE Parameter Testing (ANR Activation, actTempHoBlacklisting, LTE-LTE Neighbor deletion, X2 Link maxNumX2LinksIn/Out, T311 Timer, mimoOICqiThD, mimoOICqiThU/D, mimoOIRiThU/D, harqMaxTrDI/UL, ulsSchedMethodI, RRCSignalizingrobustness.)
- Manage and maintenance of various LTE KPI's of Accessibility, Retainability and Mobility Class which include (CBRA Success rate, RRC Setup success rate, ERAB Setup Success rate, % of Calls going from 4G to 3G, DL & UL Throughput measurement & Drop calls, Handover Success rate[X2 and S1 both] etc.)
- All drive test related data analysis and best approach in terms of cluster acceptance to customer
- Recommendation of physical and soft parameter changes, automatic neighbour addition/ deletion by ANR.
- Accessibility, HOSR, Retainability analysis.
- Cluster and SCFT Acceptance to customer.
- Analysis of the LTE RF Measurements: RSRP, SINR, UE TX Power, RSSI & SINR for PUSCH & PUCCH, CQI.
- Analysis of the 3GPP Protocols RRC and NAS in LTE drive-test data using Post Processing tools.
- Analysis of the failure events in LTE drive-tests.
- Conducted Pre-Commercial launch Optimization activities which enhanced Accessibility to network, Call Retain-ability, Mobility Management in network, Session Management, X2/ S1 Signalling, PS and CSFB Calls, and Inter-Radio Access Technology (IRAT) handovers (LTE to HSPA and HSPA to LTE).
- Perform RF optimization/performance activities according to project plan and in project manager's guidance.
- Perform Logical AT & Correct the Golden Parameter of New 4G Site (FDD & TDD) From RF End.
- Validation of All SCFT Report (FDD & TDD), As well as Take Acceptance From Customer.
- Actively participate in Bandwidth upgradation activity from 5 to 10 MHz for Vodafone Gujarat circle via preparing the all related XML as well as pre-post performance analysis after BW upgradation.
- Actively supported to TDD/FDD roll out in, also actively supporting to VOLTE roll out project [cluster optimization, Volte KPI monitoring, proper analysis of issue found in cluster drive and send Concern team for rectification[IMS/TX/BSS/RF]
- Conducted Pre-Commercial Launch Optimization activities during FDD roll-out as well as in TDD rollout.

#### PREVIOUS EXPERIENCE:-

**Name of Organization** : Teleysia Networks Pvt. Ltd  
**Designation** : RF Engineer  
**Functionality** : Network Engineer  
**Vendor** : Nokia Solutions & Network Pvt Ltd.  
**Project** : Vodafone India Pvt. Ltd,  
**Period** : 16th April 2014 to 3th July 2018  
**Location** : Ahmedabad, Gujrat., INDIA

#### Tools Proficiency:

TEMS Discovery 10.0.3.: Post processing tool  
Actix Analyzer: Post processing tool  
Other tool: MapInfo Professional 12.5, Gladiator, Google Earth

#### **Responsibilities- 2G & 3G:**

- Analysis of Drive Test Data by using TEMS Discovery & Other Post Processing Tool.
- Responsible for Cluster Report Preparation after Cluster Drive Test.

- Analysis for Poor Quality and Coverage and Provide Suggestion for improving.
- Troubleshoot the areas with poor RF performance. Request Drive tests, analyze data and recommend network changes as applicable.
- Analysis of Connection Failure ,Handover Drop , Connection Drop & Lower Throughput and provide Suggestion for Troubleshooting this Issue.
- Responsible for Post Launch Optimization. (RRC Connection Failure Rate, RAB Failure/Success Rate, Call Drop Rate, Handover Failure Rate, Uplink/ Downlink Throughput.)
- Generating coverage plots, C/I plots , Rx quality plots and reports generation for the customer presentation
- Conducting RF Drive test using drive test tool and analysing drive test results on software tools for RF optimization and improvement of the network..
- Escalation of poor hardware cases to BSS team and take follow-up to resolve the problem,
- Report preparation for (Clusters & New Sites) Drive Test.

**Personal Details:**

**Permanent Address :** Vill-Patiyari. Post + P.S-Barahata maujang 486331, Madhyapradesh

**Date of Birth** : 1<sup>st</sup> Jun 1990

**Father's Name** : Dharmendra Kumar Patel

**Marital Status** : Married

**Languages Known** : English and Hindi.

**Nationality** : Indian

**I hereby declare that the information furnished above is true to the best of my knowledge**

**Date: 21.05.2020**

**Dharmendra Kumar Patel**