



Hamza Nadeem Al-Batea

RF Performance Optimization Engineer

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OBJECTIVE:

Seeking a challenging position in a prestigious engineering organization where education, professional training, Experience and commitment to excellence will be utilized.

PROFESSIONAL SUMMARY:

Over 5 years of experience on different projects

Huawei:

- Huawei – Zain AAU Project (AAU Antenna Performance Team Leader).
- Huawei- Lebanon touch Project (Performance interface with Customer).
- Huawei – Zain NPM Project (Performance Interface with Zain team).
- Huawei – Zain AAU Project (Single Site verification (SSV) Team Leader).
- Huawei – Zain TDD Manage Service (Performance assurance engineer & Main Interface with Subcontractor).
- Huawei – Umniah Rollout project (Cluster acceptance interface with Customer).
- Huawei- NPM Project (Performance Area Owner – interface with Customer).
- Huawei- Zain rollout project (SSV/Cluster field DT engineer).

Jordanian Saudi Company for satellite broadcasting (JASCO):

- Responsible for the Teleport section including operating and maintenance SNG, Microwave, fiber encoder decoder and RF system.

EXPERIENCE:

➤ April 2019 – Current : Zain NPM Project (Performance Interface with Zain team).

- Responsible for sitting a performance improvement plans in order to improve the Network Performance & User perception.
- Responsible for Monthly Meeting to present the Monthly achievements in front of Zain management.
- Main interface with Zain Teams to grant their requirements & satisfaction.
- Resolving the interference problems to improve the Network Quality and tuning the Network for optimal performance.
- Optimizing Throughput to improve user perception through network redesign and user balancing.
- Parameter/Feature testing to improve the Network KPIs.
- Responsible to check OSS KPI report for the Network Level.
- Check major KPIs of LTE (RRC SR, E-RAB SR, Inter Frequency/Intra Frequency/S1/X2 HOSR,CA KPIs)
- Optimizing PS Drop Rate, CS Drop Rate, RRC CSSR, RAB Setup SR%, IRAT HOSR%, Soft Handover SR%.
- Signaling Trace to identify and troubleshoot customer complaints as per requirement. Analysis of worst cells.

➤ December 2018 – April 2019 : Lebanon touch (Consultant and interface with touch teams)

- Main interface with Customer to solve the throughput issues and 5G testing.
- Responsible for the training of 4G part to be delivered to touch customer.
- Work on the QCI cases for touch golden customers.

➤ June 2018 – December 2018 : Zain AAU Project (Single Site verification (SSV) Team Leader).

- Responsible for coordinating the Subcontractor teams in order to align with the field engineers.
- Responsible for the training part for the Subcontractor Engineers in order to achieve the maximum efficiency.
- Main interface in single site verification (SSV) acceptance with Zain team.
- Support with analyzing DT logs and provide recommendations.
- Trouble-shooting drive test to rectifier the issues like cross-feeders, partial swap, interference, call muting, quality issue, over-shooting, handover issues, coverage issues etc.

➤ January 2018 – June 2018 : Zain AAU Project (AAU Antenna Performance Team Leader).

- Manage the team members according to the daily integration site plan.
- Responsible for after Swap KPIs assurance for the AAU Site.
- Responsible for Throughput Gain and Capacity Gain achievement for the solution.

- Balance between the Sectors/Cells in order to have the highest performance achievement for each Cell.
- Modify the Power Set/tilting/Azimuth actions in order to reduce the interference between the Sectors.
- Responsible for the AAU planning Part and Sites Selection.

➤ **January 2017 – January 2018 : Zain: TDD/FDD Manage Service Project.**

- Responsible for Whole Network KPIs issuance (Improvement/degradation) Analysis, Full Audit, new sites Planning and optimization, KPIs Monitoring and reporting to the Customer, Feature Test (Ex, MRO, ANR, CSFB, DRX), Performed root-cause analysis of RF issues to meet target KPI's.
- Working on AAU Solution (8T8R Antenna); Two cells (each cell 4T4R) will be used as inner and outer cells (Vertical Split) to improve the Capacity.
- Responsible for the Whole Network Audit (Neighbors Audit ,Capacity Evaluation, TAI/LAI Audit, Root Sequence index Audit, PCI Conflict/Confusion Audit, Engineering Parameters and Configuration Data Mapping Audit, Network Parameter Baseline Audit).
- Enhance LTE Network Huawei RAN parameters tuning such as Traffic Steering, Load Balancing, Load measurement to obtain an optimized solutions on live networks.
- KPIs evaluation such as accessibility, retainability, mobility, integrity and delay Request for antenna height, azimuth and electrical / mechanical down tilt changes, new sites suggestions in order to improve Coverage/Capacity.
- Parameters Activation/modification trials to improve the KPI's (Throughput, Accessibility, retainability....etc) ,monitoring Delivery KPIs to the Customer.
- User VIP Complaint Handling and Analysis.

➤ **September 2016 – January 2017: Zain TDD Rollout Project**

- Responsible for the planning part for TDD Network (PCI, Root Sequence, TAC/TAL, Neighbors).
- Conducted and initiated DT team plan and DT route in order to verify the Network performance.
- Responsible for Troubleshooting in any issues happens during the SSV (Ex,, Cross Sector, Coverage issues, throughput acceptance issue,,etc).
- Responsible to deliver all the SSV reports to the Customer and discuss with them in order to approve the sites.

➤ **February 2016 – September 2016: Umniah LTE Phase11 Rollout project.**

- Responsible for the Whole network clusters Acceptance.
- Consistency check for the main configuration.
- Troubleshooting for any kind of issue that effects the Cluster acceptance (UL interference, low coverage footprint for cell, results are under Acceptance criteria.....etc).

➤ **June 2015 – February 2016 : Jordan Zain LTE Performance Mange service & Service Delivery Project:-**

- Responsible for the Whole Network Audit (Neighbors Audit, TAI/LAI Audit, Root Sequence index Audit, PCI Conflict/Confusion Audit, Engineering Parameters and Configuration Data Mapping Audit, Network Parameter Baseline Audit).
- Generating KPI report.
- Generating Capacity & Performance report & reporting to the Customer.
- Generating Terminal analysis Reports & reporting to the Customer.
- Perform a monthly routine Drive test Analysis for the Whole country.
- KPIs monitoring and reporting to the customer.
- Analyzing the Network parameters and KPIs.
- Radio network tuning & optimization of the network.
- KPIs evaluation such as accessibility, retainability, mobility, integrity and delay Request for antenna height, azimuth and electrical / mechanical down tilt changes, new sites suggestions in order to improve coverage.
- Check field performance of network.
- Radio LTE Network Planning including PCI, PRACH, TAC, and neighbor planning for a new Sites (expansion).
- Feature testing, tuning, activation. (DRX, ANR, ICIC, scheduling Strategyetc).
- Area Owner (contains 21 Clusters) Responsible for KPIs issuance (Improvement/degradation) Analysis, Full Audit, new sites Planning and optimization, KPIs Monitoring and Reporting to the Customer, Feature test in the Area's clusters).
- Parameters Activation/modification trials to improve the KPI's (Throughput, Accessibility, retainability....etc) ,monitoring Delivery KPIs to the Customer.
- User VIP Complaint Handling and Analysis.

➤ **October 2014 – June 2015 Jordan Zain LTE Rollout Project:-**

- Performed a SSV drive test for new site integrations.
- Performed Cluster drive test.
- prepares routes for site integrations.
- Single site verification acceptance for new launched LTE Network.
- taking out Export of the log files in Probe and analyzing in Assistant.
- Rectifying if there is Swap in the Sites.
- Rectification of coverage holes or/and problem areas in the network.
- Verification of missing neighbors and neighbor list script creation (addition or removal).
- DT analysis in order to sort coverage, Interference, pilot pollution, HO problem.
- Optimization of RF parameters based on drive test analysis of clusters.
- Cluster Owner (parameter Audit, Neighbors Audit, Alarms Check, cluster optimization).
- Monitoring the KPIs of 3G/4G antenna Swap.

➤ **Tools Used:**

- ✓ PRS (iManager Performance Report System)
- ✓ Genex Nastar (Performance Analysis System)
- ✓ FMA (Fault Management Assistant).
- ✓ iManager U2000 (Unified Network Management System),
- ✓ Mapinfo.
- ✓ Genex Unet (planning Tool).
- ✓ Genex Omstar.
- ✓ Genex Probe.
- ✓ GENEX Assistant.
- ✓ Google Earth

❖ **Teleport Engineer in Jordanian Saudi Company for satellite broadcasting:-**

➤ **November 2013 – October 2014 Teleport Engineer**

Responsible for the Teleport section including operating and maintenance SNG, MCR, Microwave, fiber encoder decoder and RF system

- RF uplink antenna (two earth stations: Arabsat, Nilesat).
- Encoders and modulators for more than 30 channels.
- Professional with Tandberg receivers.

Professional with receiving antenna (alignment and maintenance).

Personal Skills

- Maintain excellent customer relationship as main interface to customer.
- Computer literate (OS Windows, MS Word, Excel, PowerPoint, Internet, Etc).
- Excellent presentation and communication Skills.
- Quick learner and easily to adapt in any work environment.
- Presentable and spokesman.
- The ability to work under pressure.
- Adaptable: Able to adapt oneself to new surroundings; to make suitable change so as to fit new conditions.
- Innovative: Make changes, introduction of something new.
- Responsible: Capable of rational conduct, trustworthy.
- Accurate: Careful, precise, free from error.
- Persevering: Steadfast pursuit to an aim, refusal to give up; continued effort.
- Conscientious: Good moral understanding of right and wrong.
- Helpful: Enjoy helping people solve their problems.

Qualification

- **Al-Ahliyya Amman University, Jordan – (2013)**

Bachelor Degree in Telecommunication and Electronics Engineering, Faculty of Engineering.

- **Basha'ar AL Jazera School– (2008)**

Courses

- Microwave planning for Mobile Networks.
- Attended a CCNA Routing and Switching (Cisco Certified Network Associate).
- Attended a workshop in “Hacking & Security”.
- Attended a workshop in “Networking DAY”.

Training

Trained in Marca Airport (Jordan) in Control Tower.

Languages

Arabic - fluent (written & oral)
English - fluent (written & oral)
Spanish- (working knowledge)