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OBJECTIVE

Seeking a challenging career with a leading organization in the field of mobile communications engineering that can utilize my skills, abilities, work experience, and academic background.

EDUCATION

- **B.Sc. of Engineering:** Modern Academy, Egypt, May (2021).
- **Major:** Electronics and Communications Engineering Department.
- **Grade:** Good.
- **Graduation project:** Smart City with IoT.
- **Project Grade:** Excellent.

WORK EXPERIENCE:

Field Optimization Engineer, Red Telecom.,

Nov.2023 - till now.

Projects: Huawei Etisalat – Excellent & Modernization Project

-5G & TDD & SWAP Project .

Main Tasks:

- Verification of new 5G sites with Check Network Accessibility and Retainability.
- Perform Indoor simulation tests using TEMS tools.
- Responsible for new TDD Sites after antenna swap DT SSV Reporting (CS and PS).
- log files analysis and reporting the main KPIs using TEMS Discovery
- Rectification crossed sites after antenna swap with ROT
- testing main functions after adding new TDD Band
(CA, Max DL,UL ,Interfreq HO , UMTS/ LTE/ 5G NR reselection , CSFB, volte)
- Layer3 messages analysis, problems and recommendations
- (Activities of SSV OF 5G NR)
 - 1-DL normal load & full load & free mode
 - 2-UI mobility test
 - 3-CSFB MOC,MTC & call setup time analysis
 - 4-streaming & browsing test
 - 5-check Overlapping
 - 6-Reporting Main KPIs
- Field Optimization
 - 1.Coverage stable or improve
 - 2.Quality stable or improve
 - 3.Traffic stable or improve
 - 4.CSSR stable or improve
 - 5.DCR stable or improve
 - 6.Throughput stable or improve
 - 7.Utilization stable or improve
 - 8.User stable or experience
 - 9.Feature stable or improve

Field Optimization Engineer, Red Telecom.,

Nov.2023 - till now.

Projects: Huawei Etisalat – 5G & TDD SWAP Project & ATM PORJECT

Main Tasks:

- Verification of new 5G sites with Check Network Accessibility and Retainability.
- Perform Indoor simulation tests using TEMS tools.
- Responsible for new TDD Sites after antenna swap DT SSV Reporting (CS and PS).
- log files analysis and reporting the main KPIs using TEMS Discovery
- Rectification crossed sites after antenna swap with ROT
- testing main functions after adding new TDD Band
(CA, Max DL,UL ,Interfreq HO , umts/ lte/ 5G NR reselecion , CSFB, volte)
- Calls & Layer3 messages analysis, problems and recommendations
- (Activities of SSV OF 5G NR)
 - 1-DI normal load & full load & free mode
 - 2-UI mobility test
 - 3-CSFB MOC,MTC & callsetup time analysis
 - 4-streaming & browsing test
 - 5-checkOverlapping
 - 6-Reporting Main kpis
- ATM coordination of DT
- Benchmark between operators of atm test .

Drive Test Engineer and post prosseing, Red Telecom.,

Dec.2022 till now.

Projects:

- 1 Dec/2022 – 31 Mar /2023(**WE TDD Project**)
- 31 Mar /2023 -15 NAV/2023 (**Huawei Etisalat – 5G & TDD SWAP Project**)
- Perform reports and logfiles analysis using TEMS Discovery in NSN and Etisalat Project.

Main Tasks:

- Verification of new sites 2G/3G/LTE/5G NR with Check Network Accessibility and Retainability.
- Perform Indoor simulation tests using TEMS tools.
- Perform Indoor simulation tests using HUAWEI tools.
- Check Voice calls, GPRS, SMS for 2G sites and all 2G services.
- Check Voice calls, IRAT, HSDPA, HSUPA and all 3G services.
- Check CSFB, PDSCH Throughput, Volte, CC for LTE.
- Check CSFB, PDSCH Throughput, Volte For 5G NR .
- Dealing with both (Normal & Concentric) Cells.
- Perform Benchmarking, Clusters, Swap and Roads tests.
- Daily interaction with customer complaints for improvement of Network Performance.
- Investigate Field problems like:
 - Non–working sites/sectors, Dropped and Blocked calls, Missing Neighbors, One–way neighbors, Faulty Installations, Cross Sector and feeder, Coverage holes Not happening handovers, High Interference Spots, bad coverage, Quality areas, Overshooting sites.....).

Tools used with the drive test:

- TEMS Investigation - Ascom 10, 12, 15, 16, 22 ,23,24,25
- TEMS Discovery. -Ascom 19,22,23,24,25
- MapInfo Professional 12.

- Google Earth .
- Huawei tool (Genex probe, Genex Assistant) .
- Geo Positional Satellite Tools & Aexio GE Converter and Google Earth.
- Excel, Word, PowerPoint, Outlook, etc.
- QGIS .
- RADIO NETWORK OPTIMIZATION HUAWEI TOOLS USING (U2020 , PRS, WMG FMA) .

COURSES:

- **Principles of Mobile Communications**
- **LTE Advanced**
- **5G COURSES**
- **DRIVE TEST COURSES** (Self Study, Practical Training).
- **2G Optimization.**
- **Post Processing 2G/3G/4G/5G.**
- **LTE Optimization.**
- **2G/3G/4G RF & post processing and LTE Basics**

FEB2024
ANG - 2023
(self-study)
(self-study).

COURSES ATTENDED:

- Analogue and Digital Communication & Analogue and Digital Electronics.
- Fundamental of Mobile & Satellite.
- Statistics and Logic Circuits.
- Networks, Signal Analysis and Propagation of waves.
- Logic Design, C++ and Programming Logic Control (PLC).
- Electrical Engineering, Electrical Power and Machine.

Knowledge: Good knowledge of Electronics, VHDL and MATLAB.

SKILLS:

- **Computer Skills:** Very Good Knowledge of Microsoft Office and Computer Maintenance.
- **Language Skills:**
 - Arabic: Native Language
 - English: Good in writing, reading and speaking

PERSONAL DATA

- **Date of Birth** : February 15, 1997.
- **Place of Birth** :MANSOURA, Egypt.
- **Nationality** : Egyptian.
- **Marital Status** : Single.
- **Military Status** :Done

• **(Reference Furnished Upon Request)** •