Ajit Padhi

Modem Test Engineer

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PROFESSIONAL EXPERIENCE

IT professional with over 2 years 8 months of work experience in Modem Testing at Marquishtech PVT LTD .

Roles Description: My job responsibility to handle the basic logs analysis on different modem like Qualcomm/MediaTek chipset devices on LTE and 5G Call and registartion cases basic analysis

Take Owner ship Of Field Testing all Meditek and Qualcomm Device

Handson Experience on LAB testing

Take Ownership Of Markt Feedback and User call visit and Special TC execution and Creation and Tracking Bigdata

PROJECTS

Modem Test Engineer   07/2023 – present

Working on Client Location OPPO R&D as a Modem Test Engineer involves in 5G and 4G Functial and Special TC Execution

Performed LTE and 5G Log Analysis Using QXDM Tool

Performed Field Testing and Executing Handover and Throughput Scenario

Hands On Experience on LTE/NR advance Features like Carrier Aggeragation , Call Performance .

Having Good Knowladge of Python Script Writing and Execution

Qualcomm Stability Testing   09/2022 – 06/2023

Working on Client Location Qualcomm stability project as a Field Test Engineer and Experience in the Field of Wireless Prtocol And Application Testing (VOIP, VOWIFI, Carrier-Aggeregation , Esim , 5G-SA/NSA)

Executed 5G Functional Testing and LTE Functional Testing

Understanding of Events and Handover Such as X2 Handover , S1 Handover , LTE to 3G handover , Call Flow of LTE and NR , NR to LTE Handover .

Understanding of Physical /MAC layers and Call Processing concept in LTE/VOLTE/5G

Find The Cause of Call Failure, Handover Failure , access Failure
Using QXDM tool

JOB PROFILE

- Good Understanding of 5G Architecture and Call Flow
- Responsible for testing Call procedures like CSFB, SRVCC, VONR , VOLTE.
- Good understanding of Handover & cell reselection
- I have expertise on Android mobile development. Worked on different Modem chipset like MediaTek & Qualcomm
- Good Knowledge of LTE Network Architecture.
- Understanding of Basic of Volte calls process.
- Practical experience in LTE signaling from UE turn on mode to Attach Complete Capture LTE logs and troubleshoot for the client issues.
- Responsible for analyzing client requirements and preparing

SKILLS

Modem Testing
- Having Good Knowledge of Python
- Having Good Knowledge Of Git and CICD
- Having Good Knowladge of MediaTek and Qualcomm tools
- Good Knowladge Of Maunal Testing
- Good Knowladge of Automation Testing
- Domain Knowledge-5G SA & NSA ,LTE, CSFB, CA, MIMO, SRVCC, Reselection etc

EDUCATION

Electrical Electronics Engineering   2018 – 2022

Intermediate   2016 – 2018

Secondary school   2016