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| **Sharl Boutros** | *Bakersfield , CA*  *(661) 345-5730*  sharlzakria[@yahoo.com](mailto:charliezboutros@gmail.com%20) |

A highly skilled electronics engineer with deep expertise in testing and assembling electronic circuits, designing large scale UHF/VHF Two-way radio network systems. Has a strong hands-on experience with vector network analyzers, spectrum analyzers, oscilloscopes, power meters, frequency counters. Have worked in big manufacturing companies like Keysight, Comet.

I am detail-oriented, well organized, and keen to get the job done on time.

**Experience**

**Qualcomm, San Diego**

Test ***Technician - Modem SW* 09/30/2019-now**

Testing of the RF driver and RF calibration releases. Debug/troubleshooting of calibration and test failures. Setup/maintenance of calibration and test stations ,install software in lab machine ( NI ,Python ,active perl ,QSPR, ..etc) , download and update firmware and license for callbox ( CMW100,CMW500,MT8821,litepoint …etc). setup remote connection between lab machine and callbox ,confirm communication between lab machine and callbox ,power supply and power meter using NI . Run calibration using QSPR and the right cal tree for all technologies(WCDMA,LTE,SUB6..etc) initial ,primary and path calibration , troubleshoot and fix any calibration failure

**Megahertez avionis,Bakersfield,CA**

* ***Avionics electronic technician* (Training) 05/01/2019 – 09/01/2019**
* Applies advanced technical knowledge to solve unusually complex problems that typically cannot be solved solely by referencing manufacturers' manuals or similar documents. Performs complex technical tasks
* troubleshooting and repair of avionics and electronics systems in aircraft, including removal and replacement of systems, components, and wiring.
* using basic test equipment and the ability to solder to standard

**Comet Technologies, San Jose, CA (https://www.comet-pct.com)**

***RF test technician 03/2018 to 04/2019***

* Work with Impedance Matching Networks and RF Generators, calibrate the V/I probes and Phase/Mag probes.
* Perform manual and automated RF tests.
* Instruments support, firmware updates, calibrating probes, maintenance of calibration results files.

**Keysight Technologies, Santa Rosa, CA (https://www.keysight.com)**

***RF test technician 03/2017 – 03/2018***

* Worked in the clean room lab and the manufacturing floor. Mainly working with wafers.
* Setting-up the RF test infrastructure for s-parameters measurements, RF circuits and connections to the PNA vector network analyzers, spectrum analyzers, oscilloscopes, and power meters.
* Running the PNA software, system calibration, DC/RF probes and wafers handling and alignment, microscopic wafer visual inspection.

**Mashail Al Khaleej Electronics, Riyadh, Saudia Arabia (https://www.mashail.com)**

***Network Design Engineer / Project manager 2000 –2016***

* Two-Way Radio network design.
* Base stations, repeaters, links, mobile car radios, handheld radios selection.
* Project management: Gather customers’ requirements, network design, providing customers with optimum solutions in terms of better coverage/lower cost. Bidding and submitting quotations.

Egyptian National Radio and TV**,** Cairo**, Egypt (http://dotnet.ertu.org)**

***Transmitter Maintenance Engineer 1990 –2000***

* Test, diagnose, and electrical repair of TV and radio transmitters.
* Experience maintaining Kathrien broadcast antennas, TV Harris 1KWatt radio transmitters, and LGT TV 1KWatt transmitters. Tested and repaired different DC power supplies, high voltage circuits, transformers and other electronic components.
* Assemble, install, and align TV satellite receiver antennas, programming TV satellite receivers.

**EDUCATION:**

B.S. Electrical Engineering,Telecommunication and Electronics, Assuit University. (http://www.aun.edu.eg/)