

ROBERT SMITH

RF Field Engineer

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SUMMARY

More than four years of RF Field Engineer experience, with strong analytical skills and a broad range of computer expertise. Excellent knowledge in latest techniques in RF Field Engineering and Cellular Industry, Propagation Modeling, Antenna theory, Wireless communication principles. Hands on experience on RF propagation tools such as XCAL-M, JDSU, TEMS, QXDM.

SKILLS

Analyst, MS office.

WORK EXPERIENCE

RF Field Engineer

ABC Corporation - March 2014 – February 2014

- Understood of LTE Network Coverage and Quality concepts for LTE like RSSI, RSRP, RSRQ, SNR and able to locate it in Drive Testing Tool Understanding LTE Throughput concepts like PDSCH and PUSCH Throughputs Field testing of LTE, CDMA, WCDMA and GSM technology using specialized equipment Measuring performance and coverage collecting data for Sprint/T-Mobile cellular network using multiples testing platforms such as XCAL-M and TEMS Investigations.
- Located and checked cell sites in all technologies 4G/LTE, UMTS2100 WCDAMA/3G GSM/2G.
- Checked UARFCN/ARFCN, RSCP, ECIO, RSSI, RX /TX LEV, and CELL ID, scrambling codes, azimuths and propagation verification.
- Checked neighbors and cell IDs are correct in all sectors ALPHA, BETA GAMMA, DELTA using GPS Streets and Trips.
- Performed call testing using all scenarios, E911, WB AMR RNC, throughput, Inter and intra frequency soft and hard handovers checks, one way audio, live traces reduplicating dropped calls in live time.
- Carried out the work allocated effectively according to the RF designing principles.
- Researched, identified, and procured a P25 based communications test set (Aeroflex IFR3920), standard and specialized test equipment for VHF, UHF and 5.8 GHz frequency support, standard and specialized hand tools, ESD soldering stations and ESD safe work stations.

RF Field Engineer

Delta Corporation - 2011 – 2014

- Performing RF Field Testing using JDSU (ver.19.0-1 and 19.1-2) for collecting data Useful for the Analysis of UMTS performance, Radio propagation and signal strength Measurement for coverage analysis and optimization of the 2G, 3G, 4G, LTE for Sprint Network Collecting UE physical measurements (SC, CPICH, RSCP, RSRP and CPICH Ec/Io) for all the cells in the active site.
- Monitoring the throughput valve of FTP download and FTP upload for Stationary drive test.

- Monitoring whether Handover is taking place for Handover Functionality Performance.
- Verifying Radio quality (BLER, SIR, SQI and BER) requirement on several different radio services.
- Collecting scanner data (SC, RSCP Ec/Io and RSSI) for all the detected cells.
- Communicate with engineers and other team members in order to achieve better results.
- Understanding LAYER 3 messages.

SCHOLASTICS

- Bachelor In Computer