David Perea

RF ENGINEER
San Diego, CA
-Email me on Indeed: http://www.indeed.com/r/David-Perea/1ff00ab5e6276083

5G NR Design for Verizon (Samsung-Nokia), and more than 13 years experience as RF Engineer,
Design & Optimization , Ericsson LTE, UMTS, HSDPA, GSM, EDGE.Looking for long term projects.

Willing to relocate to: San Diego, CA

Work Experience

RF Design Engineer

NextGen Global Resources (Verizon) - San Diego, CA
January 2019 to Present

• Working Remote from San Diego,CA
• RFDS creation for Macro sites Tri-State región (Philadelphia-Delaware-New Jersey)
• Bulk RFDS for Small Cells (CRAN & DAS) for Philadelphia market using Fuze
• Creation of plumbing diagrams with Antenna and Radio connections using Visio
• 5G NR mmW (28 Ghz , 39 Ghz, LS6 C-Band) and LTE simulations in Atoll for new projects.
• Selection of type of Antennas and Radios to increase the coverage and give more capacity to the
network.
• Carrier adds to the embedded base network for the bands 700, 850, PCS, AWS, CBRS (3.5 Ghz), LAA
(5 Ghz)
• Filling of regulatory tasks for the RF compliance team to get the On Air approvals with the FCC for
the new Sites and carriers.
• E911 submissions of the new cells to CART
• Initial System Design sheets (CQ) with the required parameters for new projects
• Bulk CQs for small cells sharing same design
• Audit of existing system parameters and design configurations of the nodes that require more capacity
• Point of contact with contractors and project managers , attending weekly meetings to achieve the
deployment goals.
• Working closely with the system performance Engineers and making antenna changes or RF
optimizations to satisfy the customers.
• Construction drawings review to ensure are matching the RFDS
• Swap from Nokia to Samsung RFDS work and CQ's
• Small cells Close of packages (COP) reviews
• CD reviews and approvals
• 1000+ RFDS created for the 5G NR deployment in the Verizon Tri-State Verizon Region
• 700+ successful LTE carrier Activations in 2019
• Contribution with the roll out of +500 nodes of the 1st 5G NR mmW network for Philadelphia (2020)

RF Engineer 5G

Samsung Electronics America - Washington, DC
June 2018 to Present

-5G ICL Design small cells mmwave

-ATP Reports
-New Site deployment & troubleshooting
-RFDS
-CIQ

RF ENGINEER OPTIMIZATION (Consultant)
Ericsson - Mexico city
October 2017 to April 2018

• Cluster Optimization
• Decrease of Over shooters
• Retainability & Accessibility improvements
• Throughput & Payload Increase

RF OPTIMIZATION ENGINEER LTE-UMTS-GSM
AT&T
June 2015 to October 2017

• Swap successful from old vendor to new vendor in my clusters
• Satisfied customers with resolved complaints
• Traffic Increase in my clusters
• All my clusters with KPIs within goal

RF Optimization Engineer
NEXTEL - Culiacán, Sin.
May 2013 to June 2015

• Successful Migration of users from IDEN to 3G&4G.
• Interferences resolved in Downtown &   penitentiaries.
• CS & PS Traffic Increase.
• All my clusters with KPIs within goal
• RF Shaping optimization
• New sites & Additional sectors proposals
• DAS acceptance & Optimization.

RF DESIGN ENGINEER LTE-UMTS-GSM
TELCEL - Tijuana, Baja California
August 2007 to May 2013

• Successful planning & launch of new sites (Macro & DAS) meeting objectives
• Release of successful spectrum for new technologies.
• Successful justified budget for the continuous extension of coverage in my markets
• Radio Frequency Design Sheets (RFDS) for new sites
• Acceptance / Rejection of candidates for new site implementation or relocations,
• CIQ creation with the initial design parameters
• Frequency planning, PSC. PCI , BCCH, BSIC changes, LAC/RAC planning
• Neighbor list planning
• Distributed antenna systems (DAS) design.
• DAS acceptance & Optimization
• Site surveys for the implementation of new sites
• Traffic and Capacity analysis , congestion detection, carrier expansions
• Spectrum realease for new technologies.

Education

GSM CELL PLANNING PRINCIPLES
ERICSSON EDUCATION CENTER - Ciudad de México, CDMX
March 2009

Bachelor's in Electrical Engineer
Culiacan Institute of Technology - Culiacan
August 2002 to March 2007

CS
XXI International Symposium
March 2006

Skills

- SAP (Less than 1 year)
- SQL (Less than 1 year)
- BMC (Less than 1 year)
- EXCEL (Less than 1 year)
- MAPINFO (Less than 1 year)
- ATOLL (3 years)
- LTE
- Radio
- Antenna
- Google Earth
- 5G (3 years)
- AMOS (4 years)
- KPI (10+ years)
- ARIESO GEO (4 years)

Languages

- English - Fluent
- Spanish - Expert

Links

Additional Information

APTITUDES:

Teamwork, Leadership, Adaptability, Analytical, Sociable, Responsible, Creative Mind, Motivator, Proactive, Good work attitude

SKILLS:

Arieso, Mapinfo, Atoll, Asset, Wizard, Optimi, Arieso, Nemo Outdoor, Analyze, WindCatcher, Handy, Swiss Qual QualiPoc, Actix, Google Earth, Excel Macros, VBA, QXDM, DbVisualizer, Eniq , SQL basics queries, Huawei U2000, Ericsson AMOS, OSS Explorer, JDSU, Office, WDNA, SMART, BMC REMEDY, CHRONOS, WINFIOL, INFOVISTA, SAP business objets.