

Predictions based on CPE Router

4G Unwired prepares a link budget to model each type of Router to ensure that Data Rates and Quality of Service are met as predicted in Atoll.



Microwave Engineering Services

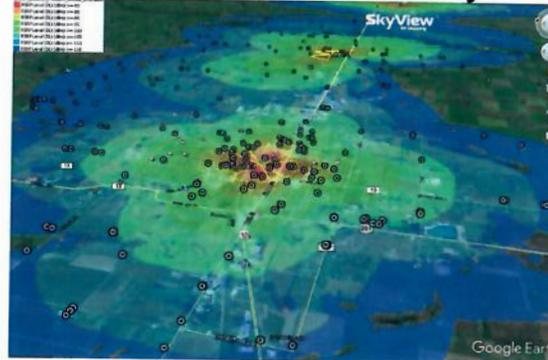
4G Unwired offers complete turnkey microwave network design, FCC and FAA filing services. Our Microwave design software produces line of sight (LOS) Path Profiles and Reliability Calculations to allow improved site selection and path reliability. Deliverables are produced in Google Earth KMZ files and PDF reports.



321.726.4183

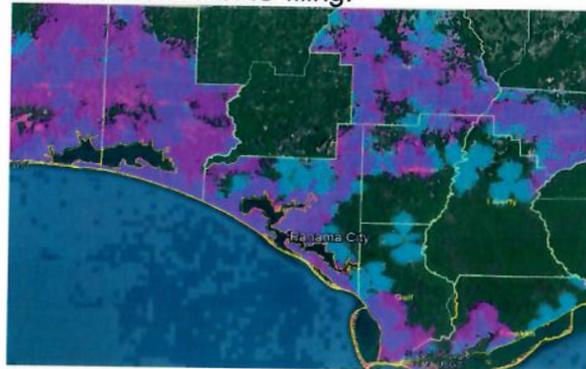
WISP LTE Design & Opto Services

4G Unwired provides complete Fixed Wireless RF design services. We can assist you with spectrum management, network design, PCI planning, PRACH cell ranging, and optimization to ensure minimum interference and maximum throughputs for your customers. **We are designing CBRS and BRS-EBS LTE networks today.**



ACAM, CAF-II & MF-II Eng Services

4G Unwired can provide both CAF-II & MF-II Mapping and propagation analyses. We can assist with drive testing and data analyses. 4G Unwired can also provide per-location analysis detailing the predicted throughput available at your customer's locations to assist in FCC/USAC filing.



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LTE, CBRS & FCC Engineering Services

Your Vision. Our Design.
Your Reality.

4G Unwired
RF Engineering Services

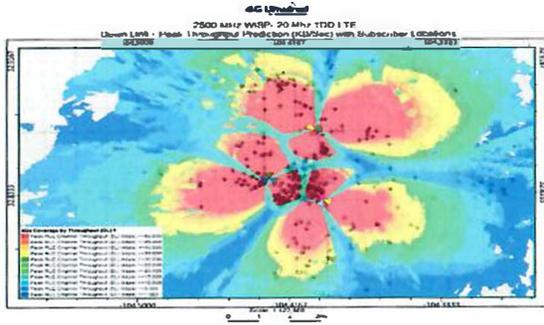
4G Unwired Senior RF Engineers specialize in wireless network design for Rural, Regional and International Carriers. Our clients include Cellular Operators, WISPs, tower companies, integrators and infrastructure vendors. PE on staff.

- **CBRS & BRS EBS LTE Design**
- **CAF II & ACAM Support**
- **FCC & FAA Engineering**
- **WISP WiMAX to LTE**
- **FCC License Save**
- **Vendor Selection Management**
- **Market Transition Plans**
- **Microwave Network Engineering**
- **Spectrum Management**
- **ArcGIS & Shapefile Mapping**

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CBRS Design - We're SAS Certified!

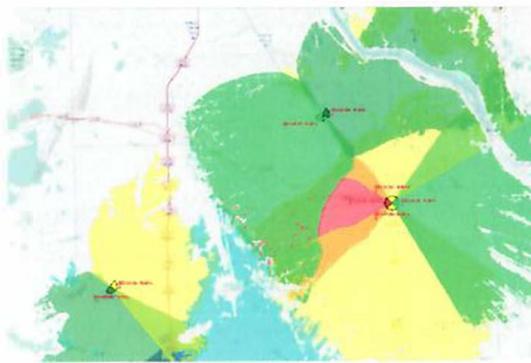
4G Unwired is designing FCC Part 96 LTE CBRS networks. 4G Unwired is certified with one of the SAS as CBRS professionals. 4G engineers use Atoll modeling software to design, plan and optimize 4G Networks. Atoll provides comprehensive network design with coverage and capacity planning and multi-technology traffic modelling and analysis.



Support Market Transition Plans

4G Unwired engineers are propagation planning experts and are familiar with the challenges facing Wireless Internet Service Providers. We can:

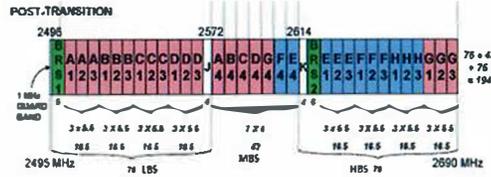
- Plan a transition from WiMAX or other technology to LTE



CALL US at 321.726.4183

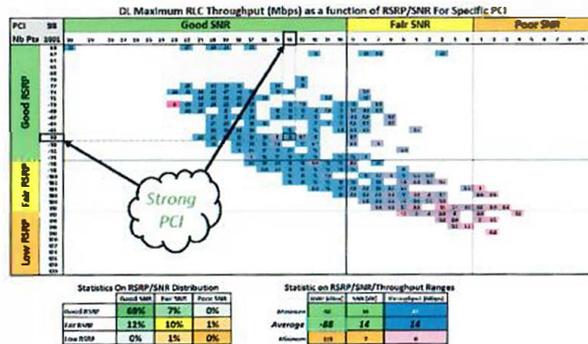
Need Help with BRS/EBS Spectrum?

4G Unwired RF Engineers can assist you with FCC Part 90 BRS-EBS 2.5 GHz Band LTE Design



LTE Network Optimization Services

4G Unwired has extensive experience optimizing 4G/3G/2G networks to ensure peak revenue-producing performances. Partnering with **Wireless Metrix**, we offer our clients the affordable option of Remote Optimization which provides several advantages - the work is done on your schedule at reduced cost.



4G Unwired Senior Engineers have the experience, test equipment, tools and engineering software to produce quantifiable improvements in your Network's Key Performance Indicators (KPIs).

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State-of-the-Art Propagation & Mapping Services

4G Unwired uses the most widely used GIS tools in the industry to produce Shapefile Deliverables for USAC, FCC, FAA and other government agencies.



Using state of the art tools, 4G Unwired can complete complex RF designs and present the results in several different types of formats that are user friendly, shareable and presentable to all audiences. Please contact us to discuss your requirements.



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