

5G Design: 5G NR/4G LTE, eMBB, mMTC, mmWave, TDD/FDD, mMIMO, URLLC, 5G-IoT, 5G/4G eNB/NR-gNB, EPC, RAN, ORAN, vRAN, VNF, CNF, security/design plan RFDS integration



5G OEMs: Ericsson, Nokia, ZTE, Huawei, Celona, AWS, Azure, NEC, Cisco, Samsung, Fujitsu, JMA, CradlePoint, Corning, Airspan



5G Surveys: Private/Public WiFi, VoFi, Fiber, MDF/IDF, Indoor/Outdoor/Drone/3D, 5G/LTE ERRCS Certification



5G MSP: Private 5GaaS, Managed 5G/4G Core, eSIM MSP provisioning



Private 5G Services Overview

JMXi has a Global team of RF/Wireless and Network Engineers offering a wide range of Professional/Managed Services across all facets of Enterprise IT design, consultation & implementation. Private 5G is at the forefront of our key focus areas with our RF Engineers having years of expertise across all industry leading Vendor OEM solutions. Our RF Teams have worked directly for all USA Carriers (including Verizon, AT&T & T-Mobile) having experience with Outdoor Cities, Public Sports Stadiums, Theaters, Industrial, Nuclear, Manufacturing, Public Safety, Hospitals, Colleges, DAS, wSP, Carrier designs, CBRS, OT, ICS, IIoT, MIIoT, IoMT & more.

OEM's



- **Celona:** Converged 5G/4G Core, 5G LAN Routing, EdgeOS, Cloud Orchestrator, API ITSM Integration, CBRS SAS, Site Creator, Multi-Mode 4G/5G AP's, eSIM Lifecycle Management and QoS MicroSlicing
- **Azure:** Private 5G Core, Azure Stack Edge Pro, Kubernetes Cluster, Azure Arc + Azure Resource Manager, Azure P MEC, Stack HCI, Virtual WAN
- **AWS:** Private 5G CBRS, Radio Unit installation, CloudWatch, CloudTrail integration & MSP options
- **JMA Wireless:** X-RAN NSA/SA Core, IOTA, CellHub, CBRS Monetization, FUZE, Multi-Band Combiners

5G Expertise



- Private 5G/LTE design, assessment & deployment
- 5G NR/4G LTE, eMBB, mMTC, mmWave, TDD FDD, mMIMO, URLLC, 5G-IoT, RFDS integration
- 5G/4G eNB, NR-gNB, EPC, RAN, ORAN, vRAN, VNF/CNF consultation, security & design planning
- CSI-RS, PT-RS, PDSCH DM-RS signal analysis
- CBRS + Enterprise Hybrid integrated designs, Use Case/Functional Requirement planning, deployment
- 5G NR/4G/CBRS Predictive RF/AP design planning
- **iBwave Expertise:** Design, Enterprise/Public Safety, Private Cellular Reach, Unity, Mobile Planner, Survey

5G Site Surveys



- ERRCS certification prep/consulting, RF Inhibitor analysis, grid testing, Donor Signal source mapping, Spectrum + RF propagation assessments, Drone Auto-Pilot programming, 5G Survey Path designs
- Indoor/Outdoor 5G/LTE Surveys, GAP analysis, Private, Public WiFi, VoFi, Fiber, MDF, IDF audit
- Quarterly, Semi-Annual, Yearly RF Survey options (with Spectrum/Channel analysis & Grid Testing)
- **RF Scanning:** PC-Tel, Seahawk, Infovista, TEMS, Epiq, PRISM, Keysight, Nemo, Rohde/Schwartz, QualiPoc, Accuver, XCAL, Enhancell, and Falcon

5G MSP Options



- **5GaaS:** 5G/NR, eSIM, Multi-Carrier/Vendor MSP, 5G best practices security + RF assessment/audit
- **RFaaS:** 5G RF Spectrum monitoring & alerting, 24/7/365 Triple-Tier RF Engineering escalation
- **SIEMaaS:** Syslog Proxy filtering & RF log analysis, REST API integrations, Proxies, and AI Add-Ons
- **Pen Testing:** 5G/Cellular, DAS, Internal/External WiFi, WebApp, Onsite Exploits, Physical Access
- **Certs/Licenses:** iBwave Levels 1/2/3; Ranplan Levels 1/2, FCC-GROL, 4G, Nokia/Ericsson 3G, SOLiD Design, Federated Wireless, CBRS, CPI

