



Test and Measurement

Comsearch field engineers utilize the latest test equipment and methods to accurately document real world site parameters and measure RF transmissions while identifying sources of potential interference. Field measurements will enhance the modeling of a site by determining actual operational parameters or by identifying undocumented RF transmissions which would otherwise be impossible to detect with just a theoretical study.

Setting up a telecommunications system is a complex undertaking. Hire an experienced, dedicated, and specialized team to ensure it will operate reliably with minimal interference.

Site Audits for Telecommunication Sites

Verify technical and geographic parameters and determine general site conditions. Evaluate viability for installation, potential radiation hazard issues, and feasibility of collocating additional telecommunications infrastructure.

Satellite Earth Station Measurements

Perform transmit and receive earth station measurements, determine the actual footprint of a satellite (Satellite EIRP),

identify look angle obstructions, or document blockage from terrain or structures which can be used to resolve interference cases.

RF Interference Investigation ("Troubleshooting")

Unknown interference sources can plague otherwise well-designed communications facilities. We utilize highly portable and sensitive test sets to determine the source of unknown interference, pinpoint its origin and then recommend ways to mitigate or eliminate the interference.

RF Sweeps for Unlicensed Systems

Assess the interference environment in the unlicensed bands and determine the feasibility of deploying an unlicensed system at a particular site.

Electromagnetic Interference (EMI) Testing

Determine the level of RF energy in a given area that may affect sensitive communication, network, or electronic devices.