# PUBLIC SAFETY NETWORK TESTING SOLUTION **Verify and Document Critical Communications Coverage**

### **Grid-Based Testing and Reporting**

- Ensure in-building coverage for First Responders and Business Critical communications
- Simultaneously test coverage and signal quality across multiple LMR and cellular networks
- Comply with NFPA 1221, IFC 510, and local code requirements
- Automatically generate real-time pass/fail results and printable reports
- Streamline the building approval process



### **AUTOMATED TESTING SAVES TIME & MONEY**

### Prepare. Measure. Report. It's That Easy.

Replace manual processes and ensure critical communications radio coverage with the PCTEL® Public Safety Network Testing Solution. Our streamlined grid-based testing tool makes it easy to meet or enforce local building codes for Emergency Radio Responder Coverage (ERRC). The simple pass/fail grading system is also a great way to ensure coverage for life safety and business critical radio networks.



#### Create grids and set up tests

- Import a floorplan
- · Add grids per floor
- Identify test locations and critical test points
- Select frequencies
- · Configure pass/fail criteria



Easy-to-use grid creation tools automatically identify test locations.



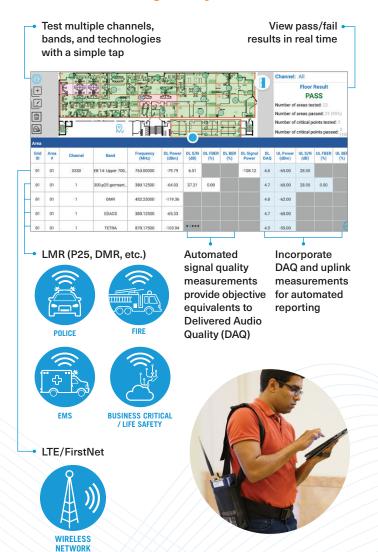
**Planning Tool** 

SeeHawk® Touch

Planning tool integration enables you to easily import floor plans and export test data.

### **2** MEASURE

### **Execute tests and grade by threshold**



## "We did the coverage testing in about 25% of the time planned."

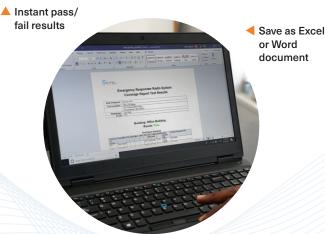
- Jason Chambers, Day Wireless Area Service Manager

### **3 REPORT**

### Auto generate real-time results and submittable reports with one tap

- Reports can be generated in real-time for building, by floor or by channel
- Save printable reports within minutes
- Customize pass/fail criteria to meet local government or business requirements
- Create multiple reports from one test



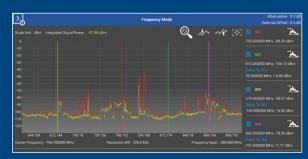


### GET EVEN MORE DONE, FASTER

PCTEL's Public Safety Network Testing Solution includes additional tools that streamline testing throughout your project lifecycle.



▲ Indoor walk testing: detailed data for DAS and small cell network design, baseline testing and optimization



Spectrum Analysis mode for troubleshooting and equipment room work, right on your tablet



Antenna Verification Tool (optional): fast troubleshooting during the DAS and small cell commissioning process



Outdoor mode (optional): drive and walk testing for cellular and LMR networks with automatic GPS mapping

### Critical Communications Testing: Public Safety, Life Safety, Business Critical

PCTEL's Public Safety Network Testing Solution combines the precision measurement capabilities of the IBflex® scanning receiver with our tablet-based SeeHawk® Touch software. Choose the kit and options that meet your testing needs.

"I'm able to do my on-site pre-walks in half or even one-third of the time as before when I had to do a more manual walk through the building to record every single frequency."

- Joseph Rohlic Program Manager and Director of Construction Services at Radio One





Kits	IBflex® Scanning Receiver	SeeHawk® Touch Software	Accessories
	Lightweight multi-band, multi- technology precision radio receiver with Bluetooth® connectivity	Data collection, spectrum analysis, and reporting tools on an Android™ tablet	
Public Safety Radio / P25	Measure all frequencies     140-990 MHz     P25 Signal to Interference plus     Noise Ratio (SINR), Frame and     out-of-service Bit Error Rate (BER),     Network ID (NID)     5-Year Warranty	<ul> <li>Grid test radio channel power (any technology)</li> <li>Grid test P25 signal quality</li> <li>Indoor walk test</li> <li>Signal Analyzer</li> <li>Import floor plans from image file or planning tools</li> </ul>	<ul> <li>Android™ tablet</li> <li>Battery pack</li> <li>Back or side pack</li> <li>Walk test antennas</li> <li>Carrying case</li> <li>A/C charger</li> </ul>
Public Safety Radio plus FirstNet ATT/Verizon LTE	All of the above, plus:  LTE Layer 3 FirstNet Band class 14 and all Verizon, ATT LTE bands	All of the above, plus:  Grid test LTE signal quality  Outdoor mode for drive test  Antenna Verification Testing (AVT)	All of the above, plus:  Vehicular rooftop antennas  Car charger
Public Safety Radio plus all cellular bands	All of the above, plus:  Decode all 2G, 3G and 4G cellular technologies  All cellular bands 10-3800 MHz	All of the above, plus:  • Grid test UMTS/WCDMA signal quality	All of the above
DMR add-on option	DMR SINR, Frame BER     Extended band range 10 MH-1 GHz	Grid test DMR signal quality	
Additional options	5G New Radio, NB-IoT, LTE-LAA and LTE-MIMO     Extended band range to 6 GHz	Additional licenses	Certification training     Additional batteries

### **Solving Complex RF Problems**

PCTEL is a leading global provider of wireless technology, including purpose-built antenna systems, Industrial IoT devices, and test and measurement solutions. Trusted by our customers for over 25 years, we solve complex wireless challenges to help organizations stay connected, transform, and grow.

For more information on Public Safety Network Testing, contact your sales representative or visit

> pctel.com/public-safety-testing-solution







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