

## Cellular Scanning Multi-Tool with P25 and Public Safety LTE Network Measurement Capabilities

PRISM converts mobile devices into public safety network testers and analyzers, giving in-building wireless integrators an alternative to large, expensive engineering tools to measure in-building public safety network coverage in a cost effective, ultra portable tool

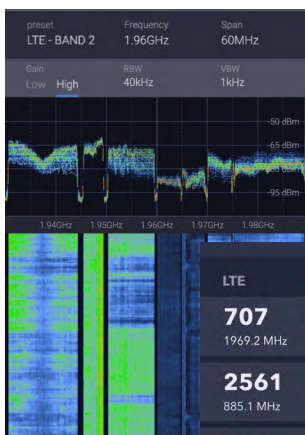
Assessing in-building coverage is crucial to certifying public safety networks are reliable for first responders in times of crisis. PRISM delivers these needed coverage and performance surveys in a radically small form factor that analyzes in-building coverage and interference for P25 and LTE networks such as FirstNet™. It is web-based so there are no applications to install, and it is powered from its host device so there are no batteries. Based on software-defined radio (SDR) technology, PRISM is easily upgradable to accommodate new features, and is simple to configure and to test all P25 and LTE frequency bands.

### KEY HIGHLIGHTS

- Provides view to visualize signals and interference
- Quickly verifies coverage of all networks
- Decodes all channels in multiple technologies

### IDEAL FOR:

- Walk testing of in-building network coverage baselines
- Certifying in-building coverage after public safety DAS/BDA installation and annual recertification of those systems
- Troubleshooting of network performance and other anomalies



### SPECTRUM ANALYZER

Simple to configure and align to communications bands of interest  
Real time and waterfall display provides a full view in a single window  
70MHz to 6 GHz, 50MHz IBW, fully configurable sweep range

### P25 / 5G / 4G PCI SCANNER

Fast results on multiple networks and channels  
Provides real-time measurements of all received networks and cells

LTE			
<b>707</b>	<b>AT&amp;T</b>	●●●○	-87 dBm
1969.2 MHz	310 - 410		
<b>2561</b>	<b>Verizon</b>	●●●●	-42 dBm
885.1 MHz	311 - 480		
<b>5035</b>	<b>T-Mobile</b>	●●●●	-54 dBm
731.5 MHz	310 - 260		
<b>5110</b>	<b>AT&amp;T</b>	●●●○	-87 dBm
1969.2 MHz	310 - 410		



## Easy to Use Network Testing Multi-Tool

No batteries to recharge or maintain: PRISM is powered from the host device with simple USB-C connection to select Android and IOS phones, tablets, and laptops for power; eliminates maintenance of complicated equipment and the need the need for batteries or chargers.

No application to install: PRISM is web-based and works with the browser on the connected device.

No need to replace hardware: PRISM is built on a software-defined radio (SDR) that enables new calibration and capabilities via software updates.

PRISM is highly portable, weighing under 24 grams (6 ounces).

PRISM is offered with spectrum analyzer alone or with 4G LTE, 5G NR, P25 scanning software technologies.

### SPECIFICATIONS

#### DECODED PARAMETERS

**5G NR:** Band, Channel, SSB Subcarrier Spacing, SS-RSSI, SS-SINR, SS-RSRP, SSRSRQ, SSB Beam Index, MIB

**PUBLIC SAFETY LTE:** Band, Channel, RSSI, RSRP, RSRQ, Transmit Antenna Count, System Frame Number, Downlink Bandwidth, FDD or TDD, Physical Cell ID, MIB

**P25:** Band, Channel, WACN, System ID, RFSS, RSSI, BER

#### FREQUENCY

**Range:** 70 MHz - 6 GHz

**Accuracy:** 1 ppm

#### POWER

**Power Input:** USB-C

**Power Consumption:** 3W (Active)

#### POWER MEASUREMENTS

**Accuracy:**  $\pm 2$  dB @ 25°C

#### PHYSICAL

**Size:** 87 mm x 61 mm x 12 mm

**Weight:** 24 grams

## From the RF Experts at Epiq Solutions

You need tools that are reliable and work. The RF experts at Epiq Solutions have over a decade of proven experience delivering mission-critical RF tools primarily for aerospace, defense, and security applications. Coupled with an engineering culture built on pushing the boundaries of what's possible in RF design, our expertise and field-proven technology offer you an operational advantage in the products we produce.



Epiq Solutions is a small business dedicated to advancing RF technology through products designed and manufactured in the U.S.A.



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