

**Anritsu** Advancing beyond

# MA24103A

## Inline Peak Power Sensor (25 MHz to 1 GHz)



Accurate average power measurements of CW and Multitone signals with True-RMS measurements up to 150 W (Peak 300 W)



High Power handling (+51.7 dBm), and ESD protection to protect customer investment



Controlled by PC via USB with Anritsu PowerXpert™ software



Compatible with Anritsu handheld products supporting Option 19

### Application: Broadcast Networks and LMR Systems

Transmitter testing is a critical aspect of ensuring the reliability and performance of communication systems, particularly in applications such as base stations, broadcasting, and wireless networks. The accurate assessment of transmitter parameters such as output power, frequency accuracy, and modulation quality is essential for maintaining signal integrity and compliance with regulatory standards. By leveraging the capabilities of the bidirectional inline sensor, engineers and technicians can conduct comprehensive transmitter testing to validate performance and troubleshoot issues.

- **Transmitter Power Monitoring:** This sensor can continuously monitor the power output of base station transmitters, ensuring that they operate within specified power levels. This monitoring helps maintain signal quality and network reliability.
- **Antenna Reflection Measurement:** In the reverse path, we can measure the reflection coefficient, VSWR, which helps in optimizing antenna performance and minimizing signal loss due to reflections, ensuring efficient signal propagation.



## Some Examples of Communication Standards and Operating Frequencies:

- TETRA: Private systems operate in 380 MHz to 400 MHz
- TETRA: Public Safety systems operate in 410 MHz to 430 MHz
- P25: Operate in 700 MHz to 800 MHz
- LMR: Public Safety, Utilities and Transportation operate in 136 MHz to 174 MHz
- LMR: Digital systems, Industrial applications operate in 400 MHz to 512 MHz

Learn more at [www.anritsu.com](http://www.anritsu.com)



Specifications are subject to change without notice.

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