Product Flyer

Anritsu Advancing beyond

Communication Applications

with the 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

Anritsu Advancing beyond

- **United States**
Anritsu Americas Sales Company
490 Jarvis Drive, Morgan Hill, CA 95037-2809, U.S.A.
Phone: +1-800-Anritsu (1-800-267-4878)

- **Canada**
Anritsu Electronics Ltd.
Americas Sales and Support
490 Jarvis Drive, Morgan Hill, CA 95037-2809, U.S.A.
Phone: +1-800-Anritsu (1-800-267-4878)

- **Brazil**
Anritsu Eletronica Ltda.
Praça Amadeu Amaral, 27 - 1 Andar
01327-010 - Bela Vista - Sao Paulo - SP, Brazil
Phone: +55-11-3283-2511
Fax: +55-11-3288-6940

- **Mexico**
Anritsu Company, S.A. de C.V.
Blvd Miguel de Cervantes Saavedra #169 Piso 1, Col. Granada
Mexico, Ciudad de Mexico, 11520, MEXICO
Phone: +52-55-4169-7104

- **United Kingdom**
Anritsu EMEA Ltd.
200 Capability Green, Luton, Bedfordshire, LU1 3LU, U.K.
Phone: +44-1582-433200
Fax: +44-1582-731303

- **France**
Anritsu S.A.
12 avenue du Québec, Immeuble Goyave,
91140 VILLEBON SUR YVETTE, France
Phone: +33-1-60-92-15-50

- **Germany**
Anritsu GmbH
Nemetschek Haus, Konrad-Zuse-Platz 1,
81829 München, Germany
Phone: +49-89-442308-0
Fax: +49-89-442308-55

- **Italy**
Anritsu S.r.l.
Spaces Eur Arte, Viale dell'Arte 25, 00144 Roma, Italy
Phone: +39-6-509-9711

- **Sweden**
Anritsu AB
Kistagången 20 B, 2 tr, 164 40 Kista, Sweden
Phone: +46-8-534-707-00

- **Finland**
Anritsu AB
Technopolis Aviapolis, Teknobulevardi 3-5 (D208.5.),
FI-01530 Vantaa, Finland
Phone: +358-20-741-8100

- **Denmark**
Anritsu A/S
c/o Regus Winghouse, Ørestads Boulevard 73, 4th floor,
2300 Copenhagen S, Denmark
Phone: +45-7211-2200

- **Spain**
Anritsu EMEA GmbH
Representation Office in Spain
Calle Manzanares 4, Primera planta, 28005 Madrid, Spain
Phone: +34-91-572-6761

- **Austria**
Anritsu EMEA GmbH
Am Belvedere 10, A-1100 Vienna, Austria
Phone: +43-(0)1-717-28-710

- **United Arab Emirates**
Anritsu A/S
Office No. 164, Building 17, Dubai Internet City
P. O. Box – 501901, Dubai, United Arab Emirates
Phone: +971-4-3758479

- **India**
Anritsu India Private Limited
6th Floor, Indiqube ETA, No.38/4, Adjacent to EMC2,
Doddanekundi, Outer Ring Road, Bengaluru – 560048, India
Phone: +91-80-6728-1300
Fax: +91-80-6728-1301

- **Singapore**
Anritsu Pte. Ltd.
1 Jalan Kilang Timor, #07-04/06 Pacific Tech Centre
Singapore 159303
Phone: +65-6282-2400
Fax: +65-6282-2533

- **Vietnam**
Anritsu Company Limited
16th Floor, Peakview Tower, 36 Hoang Cau Street, O Cho Dua Ward,
Dong Da District, Hanoi, Vietnam
Phone: +84-24-3201-2730

- **P.R. China (Shanghai)**
Anritsu (China) Co., Ltd.
Room 2701-2705, Tower A, New Caohejing International
Business Center No. 391 Gui Ping Road Shanghai, 200233, P.R. China
Phone: +86-21-6237-0898
Fax: +86-21-6237-0899

- **P.R. China (Hong Kong)**
Anritsu Company Ltd.
Unit 1006-7, 10/F., Greenfield Tower, Concordia Plaza,
No. 1 Science Museum Road, Tsim Sha Tsui East,
Kowloon, Hong Kong, P.R. China
Phone: +852-2301-4980
Fax: +852-2301-3545

- **Japan**
Anritsu Corporation
8-5, Tamura-cho, Atsugi-shi, Kanagawa, 243-0016 Japan
Phone: +81-46-296-6509
Fax: +81-46-225-8352

- **Korea**
Anritsu Corporation, Ltd.
8F, A TOWER, 20, Gwacheondaero 7-gil, Gwacheon-si,
Gyeonggi-do, 13840, Republic of Korea
Phone: +82-2-6259-7300
Fax: +82-2-6259-7301

- **Australia**
Anritsu Pty. Ltd.
Unit 20, 21-35 Ricketts Road, Mount Waverley, Victoria 3149, Australia
Phone: +61-3-9558-8177
Fax: +61-3-9558-8255

- **Taiwan**
Anritsu Company Inc.
7F, No. 316, Sec. 1, NeiHu Rd., Taipei 114, Taiwan
Phone: +886-2-8751-1816
Fax: +886-2-8751-1817

List Revision Date: 20240416

Anritsu utilizes recycled paper and environmentally conscious inks and toner.

® Anritsu All trademarks are registered trademarks of their respective owners. Data subject to change without notice. For the most recent specifications visit: www.anritsu.com

11410-02939 Rev. B Printed in United States 2024-08
©2024 Anritsu Company. All Rights Reserved.