

# MISSION CRITICAL RELIABILITY

WHEN YOU NEED IT MOST



ANTENNAS, WATTMETERS + TEST EQUIPMENT, TRANSMITTER COMBINERS,  
CAVITY FILTERS, DUPLEXERS, RF POWER MONITORS AND MORE



## ***Telewave.io: 50+ Years of Innovation***

Telewave.io's history, innovations, RF expertise, new products, reliable solutions, partnerships, extensive RF systems spanning 25 MHz to 2500 MHz, professional services, and training for optimized wireless networks are all highlighted in this overview.

**Performance You Deserve With Quality You Can Trust**

# About Us

Telewave.io designs and manufactures high-quality RF system products. It serves wireless system operators, public safety providers, local and state governments, and federal agencies in the United States and internationally. The company was founded in 1972 and is currently based in Fremont, California.



**15 Product Categories**

**1000+ Products**

Telewave.io strives to be the premier supplier of seamless interoperable communication systems that provide security and reliability in mission-critical ecosystems for both commercial and military applications worldwide. Telewave.io products are used by more than 7,500 equipment and network manufacturers and government agencies throughout the world.

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# New Products



**NEW 44D-LX Digital/Analog RF Wattmeter**  
(118 MHz to 960 MHz)  
(5 W to 500W)



**NEW PIM Antennas**



**NEW PRM Series**  
(PRM-7080: 700/800 MHz public safety)  
(PRM-9000: 900 MHz business band)

**NEW TMND3 VHF/UHF Compact Duplexers**  
(3 MHz Spacing)



# Long Lasting Products



**ANT150F2**

Telewave.io's fiberglass radome antennas are durable, omnidirectional, and ideal for various environments. Offering protection against corrosive elements, UV radiation, icing, acid rain, and abrasives, with IP24-rated intrusion and moisture resistance. The Default color is Cool Blue™.

Telewave.io Pass-Notch Combiners offer excellent performance, and several unique characteristics. Additional frequencies can be added without retuning the entire system. Installation is simplified and off-air time is minimized. Splitting of transmitter and receiver systems is not necessary.



***M108-150-5TRM with preselector, power monitoring, and RX Panel***



**TPRD-1544C**

The TPRD-1544C and 1544CM produce high performance in a compact design for the 148-174 MHz VHF band. These duplexers are less than 30% of the size of earlier models, and deliver greater isolation and power handling.

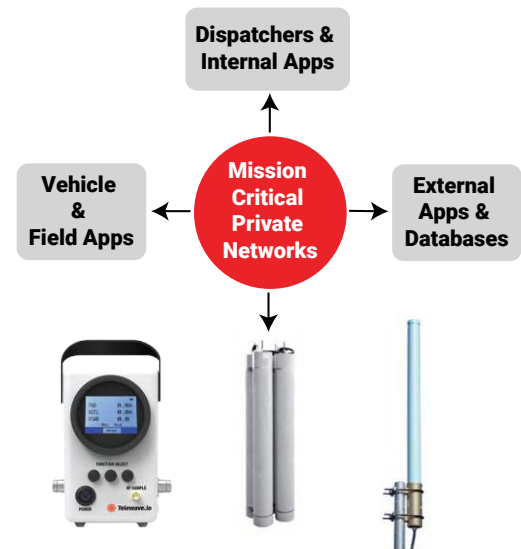
# Partnerships

## Telewave.io LMR

Antennas (PIM Rated),

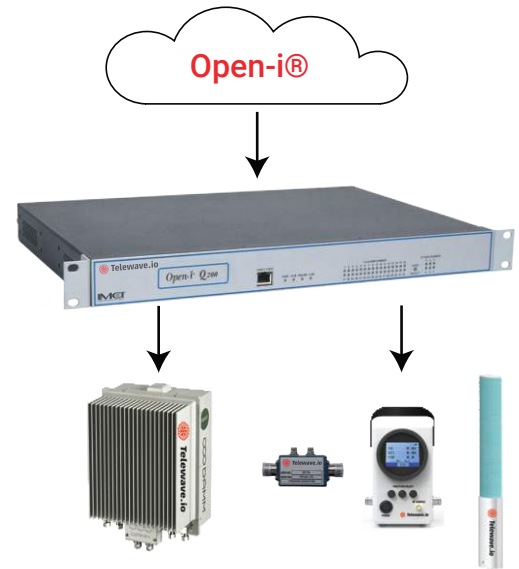
Analog/Digital Wattmeters,

Filters, Combiners, Multicouplers



## IMCI (Open-i® & IRiS™)

Remote SCADA + Monitoring & Control



## DAMM Cellular (BS422)

LMR SDR "Smart System",

Conventional or Trunking, available in:

VHF, UHF, and 800 MHz



- Up to 4 carrier/channels using only one hardware
- Small and Light
- Low energy consumption
- Integrated apps

# Our Services

## Professional Services Group

Telewave.io's Professional Services Group offers expert RF consulting, system design, and field support to optimize wireless communications. With decades of experience, they provide custom solutions for coverage enhancement, interference mitigation, and equipment integration. Their services include site surveys, system tuning, and on-site troubleshooting to ensure reliable performance for mission-critical networks.

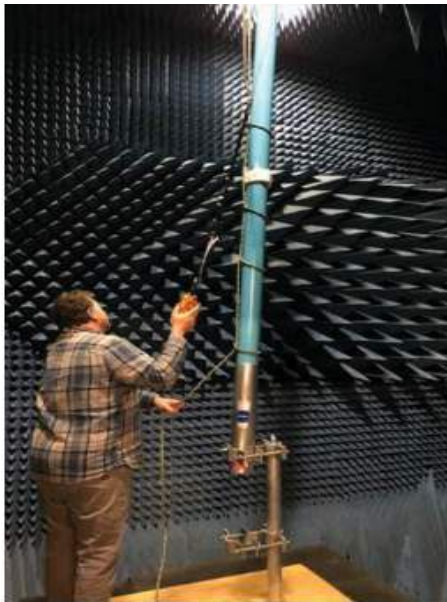
Customized Solutions

Advanced Antenna Testing

In-Situ Radiation Patterns

Product Support & Troubleshooting

Environmental PIM Source Mitigation



To learn more about our Professional Services Group, inquire at [pro@telewave.com](mailto:pro@telewave.com)

Performance You Deserve With Quality You Can Trust

# RF Systems 25 MHz - 2500 MHz

## **TRANSMITTER COMBINERS: 66-960 MHz**

Low Loss • Cellular • SMR • Hybrids • Bandpass / Notch Cavity

## **I.M, SUPPRESSION PANELS: 118-960 MHz**

Single / Dual Isolator • Isolation 30-90 dB • 150-400 Watts • Rack Mount

## **RECEIVER DISTRIBUTION PANELS: 50-960 MHz**

4 to 32 Channels • 25 dB Minimum Isolation • -20 dB Test Port

## **RECEIVER POWER SPLITTERS: 33-1000 MHz**

Low/ Mid/ VHF/ UHF Bands • 2-Way / 4-Way • Broadband

## **PREAMPLIFIERS: 50-960 MHz**

Rack-Mount • Tower-Top • Bipolar • GaAsFET

## **PRESELECTORS: 30-1200 MHz**

Single/ Multi-Band/ Multi-Window • 1 "-1 0" Diameter Cavities

## **POWER MONITORS: 30-960 MHz**

Single / Dual Direction • Remote Control • RS-232 / 485 • PC Software

## **BROADBAND RF WATTMETERS: 2-1000 MHz**

1 to 500 Watts • No Inserts or Bandswitching • BNC -40 dB Sample Port

## **RF LOADS / TERMINATIONS: DC-3000 MHz**

Coaxial/ Dry/ Bench • 0.1 to 400 Watts • Maximum VSWR <1 :1.1

## **ISOLATORS: 66-960 MHz**

Single / Dual / Triple • High Power • 35-90 dB Isolation • Removable Loads

## **HIGH-Q CAVITIES: 30-1200 MHz**

Bandpass/ Bandreject • Notch • 4"-10" Diameter

## **FILTERS: 50-512 MHz**

Low Pass • High Pass • Crystal Filters • Transmitter Sideband

## **DUPLEXERS: 30-1200 MHz**

Pass Cavity • Notch • Pass Reject • Compline • Mobile • 1"-10" Cavities

## **ANTENNAS: 30-2500 MHz**

0-15 dB Gain • Fiberglass Collinear • Dipole Arrays • Yagi • Power Dividers

## **WIRELESS SYSTEMS ENGINEERING:**

System Design • Custom Applications • Site Consultation

# Training



Telewave.io University offers a top-notch training program designed for current and aspiring professionals in land mobile radio communications. Our curriculum, aligned with Electronics Technicians Association (ETA) and APCO/ANSI standards, provides hands-on experience with cutting-edge test equipment. Participants master modern radio systems intricacies with courses ranging from foundational for entry-level technicians to advanced tracks in radio frequency interference mitigation.

## **Standard Training Tracks Offered:**

- Technician Development Track (GCT1 & GCT2)
- Antenna Specialization Track (PAB & LAS)
- Service Monitoring Track (Service Monitors 1 & 2)
- System Optimization and Troubleshooting Track (Overview of Cavities & Combiners + Practical Filter Tuning Exercises & RFIM) Tuning Exercise – Duplexer
- Certification Preparation Track (GROL - Parts 1 & 3)

**Custom Training Courses Offered (Contact Us at [training@telewave.com](mailto:training@telewave.com))**



# 50+ YEARS

Servicing The Telecommunications Industry

**Performance You Deserve With Quality You Can Trust**