

Test equipment  
RF components  
for research, development  
and production



# LITEPOINT

A Teradyne Company

Faster. Simpler. Smarter Test.  
Wireless Connectivity Test Systems



## TECHNOLOGIES & PRODUCTS

- Wi-Fi 6 / 6E & Wi-Fi 7 802.11 be
- 5G - mm Wave & sub-6GHz
- V2X - C-V2X & DSRC
- Wi-Fi 802.11 a/b/g/j/n/p & ax/ac
- Connectivity - BT, NFC, UWB, LoRa
- Cellular - GSM, CDMA, LTE M1, NB1, SC
- IQgig-5G mmWave 5G Tester
- IQgig-UWB Tester
- IQxel-MW 7G for 802.11ac and 802.11ax
- IQxel-M Bluetooth Advanced BT Tester
- IQxstream-M Tester
- IQnfc+ & IQcell Tester

## TEST EQUIPMENT FOR WIRELESS TECHNOLOGIES

Phone: +49 6435 303 9820 | E-Mail: [sales@meffert-mt.de](mailto:sales@meffert-mt.de)

# IQgig-UWB Tester

## Ultra-Wideband Test System

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**IQgig-UWB™ tester** is the industry's first fully-integrated, one-box test solution for physical-layer testing of devices enabled with Ultra-Wideband (UWB) 802.15.4z technology.

The **IQgig-UWB** is ideal for both R&D characterization, high-volume production, and certification.

Making it the perfect platform to enable a cost-effective, seamless transition from the lab to the manufacturing floor.



## IQcell-5G Signaling Test Solution

### 5G NR FR1 & FR2 Test Solution



**IQcell-5G** is a simplified 5G signaling test solution designed for end-of-line manufacturing, software regression & functional performance testing.

Purpose built to validate RF parametric measurements, end-to-end throughput, MIMO, mobility, and user experience testing across cellular and cellular capable connectivity devices such as smartphones, CPE's, laptops, tablets, hotspots & much more.

## IQxel-M4W 6G Wi-Fi & Bluetooth® Testing

### Wireless Connectivity and IoT Test System

Suitable for the lab or manufacturing environment, the All-in-one platform IQxel-M4W 6G is ideal for RF testing of wireless connectivity and IoT products.

The platform's flexible software supports the most widely used wireless connectivity standards: WLAN 802.11ax (Wi-Fi 6) and Legacy (802.11a/b/g/n/ac), Bluetooth® Classic and Low Energy (Bluetooth® LE) as well as Zigbee/Thread, Z-Wave, LPWAN technologies (Sigfox, LoRa) and Mobile IoT technologies (NB-IoT, LTE-M, 5G) and navigation technologies.



## TEST EQUIPMENT FOR WIRELESS TECHNOLOGIES

# IQxel-MX

## High Performance 802.11be Test System For Wi-Fi 7, Wi-Fi 6E and Wi-Fi 6

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LitePoint has developed the **IQxel-MX** test platform with **320 MHz Analysis Bandwidth** and industry-leading performance to ensure that each and every wireless device tested meets or exceeds the stringent 802.11be requirements.

The IQxel-MX signal generation and analysis combine high performance, simplicity of use and superior test economics to cover the test requirements during the whole product development cycle from R&D to high-volume production.

The IQxel-MX family is available in three configurations: **2 ports (2 VSA/VSG)**, **8 ports (2 VSA/VSG)**, and **16 ports (4 VSA/VSG)**. These support up to 2x2 and 4x4 true MIMO testing (extensible for higher order MIMO) and high efficiency multi-DUT parallel testing.



## IQxel-MW 7G

### Wi-Fi 6, Wi-Fi 6E and Wi-Fi 7 160MHz Test System

First Fully Integrated Tester for Wi-Fi 6 and Wi-Fi 6E in the 6 GHz Band, with Wi-Fi 7 EHT160 MHz support

Platform solution for 802.11 a/b/g/n/ 802.11ac, 802.11ax, and 802.11be testing in the 2.4 and 5 GHz and 6 GHz bands and the most popular wireless connectivity standards (Bluetooth®, Bluetooth® 5, Bluetooth® 5.1, Bluetooth® 5.2, Zigbee, Z-Wave) as well as LPWAN technologies (Sigfox, LoRa).



As the FCC and other international regulatory agencies are working towards opening up the 6 GHz band (5.925-7.125 GHz) for unlicensed use, LitePoint's new IQxel-MW 7G family of testers is designed to meet the demands of connectivity and cellular technologies testing up to 7.3 GHz.

## IQcell Tester

### Multi-device Cellular Signaling Test Solution

**IQcell™** is a cellular signaling test solution ideal for true end user experience testing across 2G/3G/4G technologies.

Suitable for final product test, phone service centers and repair factories, the solution is available in 2-port and 8-port configurations for single DUT and Multi DUT testing.



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Phone: +49 6435 303 9820 | E-Mail: [sales@meffert-mt.de](mailto:sales@meffert-mt.de)

  
MEFFERT MICROWAVE TECHNOLOGY

# Our Partner Network



Programmable Attenuators &  
Handover Test Systems



RF Amplifier Modules &  
19"-Systems



WiFi-Test Systems &  
Traffic Generators



Waveguide Components &  
Microwave Systems



RF Technology Development &  
Manufacturing



RF Cables, Connectors &  
Components



RF-Shielding Engineering &  
Manufacturing



A Teradyne Company  
Wireless Connectivity Measurement &  
Production Tester



EM-Field Measurement Tools &  
Visualization Systems



Passive RF Components &  
Assemblies



Active & Passive RF Components &  
Custom Designs



Microwave Antennas &  
Subsystems and Consulting



## CONTACT DETAILS

mmt gmbh  
Meffert Microwave Technology  
Im Kohlgarten 14  
56414 Steinefrenz

Phone: +49 6435 303 9820  
E-Mail: [sales@meffert-mt.de](mailto:sales@meffert-mt.de)  
Web: [www.meffert-mt.de](http://www.meffert-mt.de)



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