



WrlessPro Test System

Advanced OTA Testing Solution

Product Description

The WrlessPro RF Chamber is Novocomms' turnkey, space-saving solution for full-scenario OTA testing. In a single, portable enclosure—ready out of the box—it delivers broadband coverage from 600 MHz up to 7.5 GHz (extendable to 11 GHz) and supports all major wireless standards (2G/3G/4G/5G FR1, GNSS/A-GNSS, Wi-Fi, Bluetooth) plus IoT protocols (NB-IoT, Cat M1, LoRa, Zigbee, UWB).



Key Highlights

- 01 Advanced OTA Testing for 2G/3G/4G/5G (FR1), GNSS/A-GNSS, Wi-Fi, Bluetooth**
- 02 IoT Protocol Coverage: NB-IoT (LTE Cat NB1), e-MTC (Cat M1), LoRa, Zigbee, UWB**
- 03 Full SISO & Passive Antenna Testing: TRP, TIS, EIRP, EIS; desense, ICS, carrier aggregation (2CC/3CC/4CC), coexistence**
- 04 High-Stability Circular Array: EPP-based probes with military-grade RF components and long-term calibration stability**
- 05 Compact, All-in-One Design: Portable system—no on-site assembly required**
- 06 Broad Frequency Range: 600 MHz – 7.5 GHz (optionally up to 11 GHz)**

USAGE APPLICATION



5G FR1 & FR2 Device
Validation



Automotive Radar &
V2X Testing



Aerospace & Defense
RF Systems



Consumer Electronics
Certification

TECHNICAL SPECIFICATIONS

Parameter	Specification
Overall Dimensions (W × H × D)	1.84 m × 1.98 m × 1.09 m
Maximum DUT Size (W × H × D)	25 cm × 25 cm × 25 cm
Quiet-Zone Reflection	< -25 dB
Shielding Effectiveness	> 80 dB (600 MHz – 11 GHz)
Test Distance	0.65 m
Turntable Load Capacity	20 kg
Rotation Speed	30°/s
Phi Resolution (turntable)	0.1°
Theta Resolution (11 + 1 probes)	15°
Frequency Range	600 MHz – 7.5 GHz (optionally up to 11 GHz)
TRP/TIS Algorithm	Clenshaw–Curtis / sin
Probe Support Diameter (PSD)	0.8 m × 0.8 m

For more information, contact Novocomms at info@novocomms.com

CIBA Building, 146 Hagley Road, B16 9NX, Birmingham, UK | Phone: +44 121 392 9388 | www.novocomms.solutions