



**Integrated Solution
for WLAN Terminals'
OTA measurement**

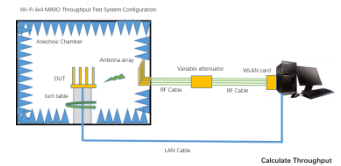
- ✓ **Minimized reflection**
- ✓ **Built-in signaling tester**
- ✓ **WLAN Standard 802.11.b/g/n/a/ac**
- ✓ **Support 4X4 MIMO**
- ✓ **Fast delivery, plug and play**
- ✓ **Cost-efficient**

The value added WiFi OTA Test solution supports antenna measurement, SISO OTA (TRP/TIS) and MIMO throughput (4*4) for WiFi 802.11b/g/n/ac. With signaling WiFi tester option, GTS provides the customers all they need to measure WiFi terminals including cellphone, PADS, Laptops, WiFi routers and IoT devices with the most competitive price. RayZone 2800N, RayZone 1800N, RayZone 1200N and RayBox cover different test requirements. It is flexible to choose from the portfolio based on the customers' needs, such as big or small DUTs, antenna pattern needed or not, SISO or MIMO needed.

RayZone

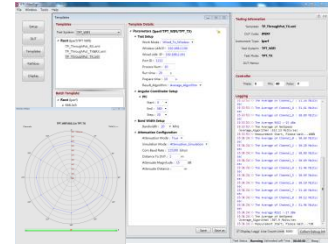
✔ Minimize the reflection with the Chambers

Low RCS probe antennas are located asymmetrically to minimize the reflection while maintain the small size of the chamber. Customized EPP absorber are developed for WiFi bands. Reflectivity of the EPP absorbers at Normal Incidence reach as low as -40dB for 2.4GHz, -45dB for 5GHz.



✔ 4X4 MIMO throughput

802.11ac 4*4 MIMO throughput test are performed in free space environment at TCP/IP level. Attenuators are used to emulate the distance between the probe antennas and the DUT.



✔ Built-in signaling tester

Signaling test unit is provided as an option. With the built-in signaling tester, the customers owns the all-in-one solution to measure WiFi DUT with lowest cost in the market.

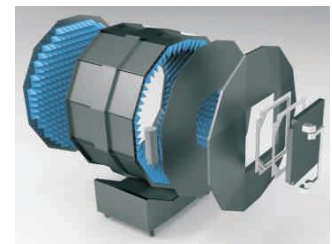
✔ A new generation of EPP absorber

The dust free, rigid, water resistant EPP absorber are adopted for long term stability, consistent performance.



✔ Fast delivery, plug & play

The WiFi OTA test facilities is ready to deliver and could be shipped to the customer site, plugged and ready to be used.



✔ Stable and efficient software

MaxSign 100 OTA software is easy to use with fast speed, accuracy and repeatability. The test log, journal and original data management functions guarantee data integrity and traceability.

Cost-efficient

Low cost and full function WiFi OTA test solution is a big challenge. GTS guarantees the affordable test solution to meet all the WiFi test needs.

RayBox

An innovative test facility ----
Spherical wave compact range



- ✔ Compact size
- ✔ TRP/TIS
Monotonic Correlation with certification test system
- ✔ Built-in signaling tester as an option.
- ✔ For production line and Lab test

Technical Specifications

Model	RayZone 1800N	RayZone 1200N	RayBox
Frequency ranges	2.4-2.5 GHz 4.9-6.0 GHz	2.4-2.5 GHz 4.9-6.0 GHz	2.4-2.5 GHz 4.9-6.0 GHz
Chamber external dimensions	1180 mmX 1800 mm X1985 mm (LXWXH)	900mmX1300mmX150 0mm (LXWXH)	customized
Chamber weight	420kg	300kg	customized
Max DUT size	Φ300mm	Φ150mm	customized
Max DUT weight	10kg	5kg	customized
Power consumption	500W	500W	300W
Repeatability	0.5dB	0.5dB	0.5dB
System control	MaxSign 100 series software	MaxSign 100 series software	MaxSign 100 series software
Probe quantity	11	5	1
test mode	signaling test	signaling test	signaling test
Items	EIS, EIRP, TRP, TIS, Mac Throughput, IP Throughput	EIS, EIRP, TRP, TIS, Mac Throughput, IP Throughput	TRP, TIS
Standard	802.11.b/g/n/a/ac	802.11.b/g/n/a/ac	802.11.b/g/n/ a/ac



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