



Wise Waves
 Simple Measurements Made Simple

H Series
 DUT size up to 26 cm

PT Series
 DUT size up to 19 cm

E Series
 DUT size up to 36 cm

F Series
 DUT size up to 200 cm

CATR Compact Antenna Test Range

- 8 - 2040/110 GHz
- DUT Max: 30.0x30cm 8kg
- UE via DUT/ant
- Non-Signaling OTA
- 3GPP TR 37.842
- 3GPP TR 38.810
- TRP, EIRP, EIS, TIS
- RF measurements

AC Anechoic Chamber

- 600 - 63040 GHz
- DUT Max: 15cm 5kg
- UE via DUT/ant
- Non-Signaling Production OTA
- Simple DONODO miniWave OTA type
- TapPaw, RSSI

RC Reverberation Chamber

- 500 MHz - 6720000 GHz
- DUT Max: 60cm 55kg
- UE via DUT/ant
- Signaling OTA
- 8dBi MIMO
- UE to UE via RD, CC
- Time-domain OTA
- KRU + 1000 COA
- TRP, TIS, TISUT, TISUT, RI, M2T, JOT

RCIAC Hybrid Reverberation/Anechoic Chamber

- 250 MHz - 6720000 GHz
- UE Max: 200cm 500kg
- UE via DUT/ant
- Signaling Production OTA
- UE to UE via RD and RD, CC
- Time-domain OTA
- UE to UE via RD, CC
- Time-domain OTA
- TRP, EIRP, EIS, TIS
- RF measurements
- OTA Large Form Factor OTA Test Plan

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H285
 Compact Antenna Test Range

3GPP approved for 5G OTA Testing
 Indirect Far Field Test method
 8 GHz to 30.40/110 GHz

Main Features

- 3 meters size: 2.85 m (L) x 1.95 m (W) x 2.95 m (H)
- Main power: 100-240 VAC 50/60 Hz
- 5G NSA MIMO OTA
- CATR 3G 3GPP TR 38.810 permits method for 5G OTA testing
- MIMO Grapho: User Interface (GUI) for Windows OS
- Fully automated measurements with control of VNA, LNA & ground
- 30dBSm quiet zone
- Serialized reflector, diagonal feed
- Time-domain measurements
- Windows, Android, iOS, MacX, Linux, UWP and Linux UE apps
- Data interface: USB/GPIB-TCP/IP
- RF isolation (shielding): > 60 dB
- Beam-pattern measurements
- Can be upgraded to larger chamber/CATR system
- Cat1/Cat2/Cat3 OTA Testing
- Vendor declaration of antenna size not needed
- 20dBm/15W/10W/5W/1W/0.1W/guide powers/30dB/30dB/30dB
- AC/DC filters for DUT power supply (optional)

Measurement System

The H285 is a Compact Antenna Test Range in a small anechoic chamber which represents that state-of-the-art in 5G OTA testing. H285 provides for a 30cm quiet zone, 5G DUT positioning with full over-coverage and roll-over elevation with up to 8kg and an outstanding 0.03° accuracy. Capable of leading beamforming, EIRP, TRP, RSE, EIS and ISB it also provides for a variety of probes and standard gain antennas to cover all your 5G non-wave frequency bands. With universal networks, manufacturing accuracies, which reflect into extremely good phase accuracies, the H285 can be connected to a glider® simulator for active OTA measurements of 5G devices which sizes up to 30cm and frequencies up to 30 GHz by default. Extensions to a 90cm quiet zone, 4D or 110 GHz are available, and both the chamber and the positioning equipment can be reused in an upgrade to a larger chamber and CATR system. With a variety of Operating Systems at the UE, time-domain uplink and downlink FFT/TCP/UDP Throughput measurements are also readily available.

