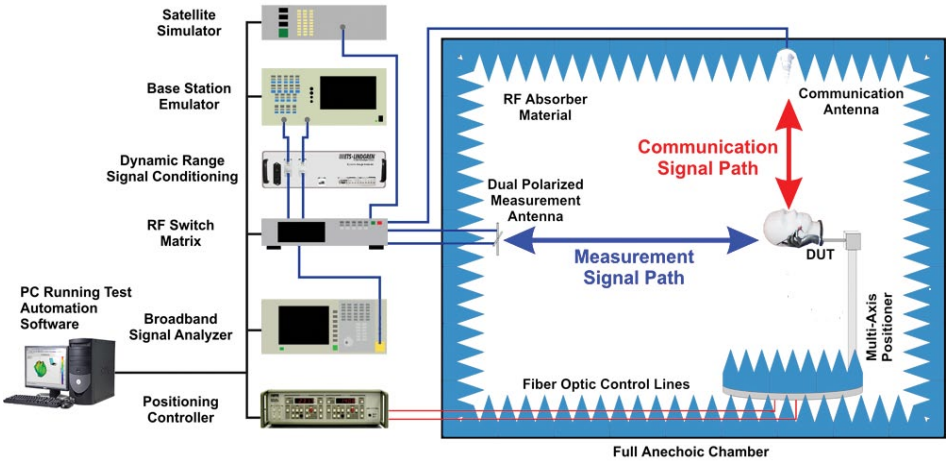
Over the Air A-GPS Testing

Agilent Technologies and ETS-Lindgren

Meet the Requirements for CTIA Certification with A-GPS Over The Air Testing



The CTIA certification of mobile devices requires Over the Air (OTA) performance testing of Assisted GPS (A-GPS). In order to ensure compliance you need to test your products to the A-GPS OTA CTIA certification standard.

ETS-Lindgren's integrated antenna measurement solution extends the company's AMS-8000 series to allow you to test your products to meet the requirements of CTIA certification. The company's test systems are currently in use by over 80% of CTIA Authorized Test Laboratories (CATL's) worldwide.

The AMS-8000 series of antenna measurement systems include a fully anechoic radio frequency (RF) test chamber equipped with device under test (DUT) positioning equipment, antennas, instrumentation, and test automation software. ETS-Lindgren's EMQuest™ EMQ-100 Antenna Measurement Software supports A-GPS and other Receive Signal Strength (RSS) based measurement methods. The system can be integrated with wireless communication test instrumentation including the 8960 wireless communications test set and E4438C vector signal generator from Agilent Technologies.

ETS-Lindgren's antenna measurement systems provide A-GPS OTA testing across the entire product cycle: design verification, performance validation, pre-certification testing, and final certification testing. Customers with existing AMS-8000 systems can upgrade to A-GPS test capability by adding options to their EMQuest EMQ-100 software.

The AMS-800 Series integrated with Agilent instrumentation provides the OTA antenna measurement capabilities you need to be confident of achieving CTIA certification for your mobile devices.

- ***A-GPS Over the Air Testing for CTIA certification of mobile devices***
- ***Compliant with CTIA certification standards***
- ***Extends capabilities of AMS-8000 series antenna measurement systems***
- ***AMS-8000 used by over 80% of CATL's***
- ***Integrates with Agilent 8960 wireless communications test set***
- ***A-GPS testing supported by EMQuest Antenna Measurement Software***
- ***Upgrade path for existing customers***

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System Components

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E5515C	8960 Series 10 wireless communications test set
E4438C ESG	Vector signal generator
E4438C-005	6 GB internal hard drive
E4438C-409	Global positioning system (GPS) personality
E4438C-601 or -602	Internal baseband generator

Other options are available; contact your local Agilent sales engineer for more details

ETS-Lindgren

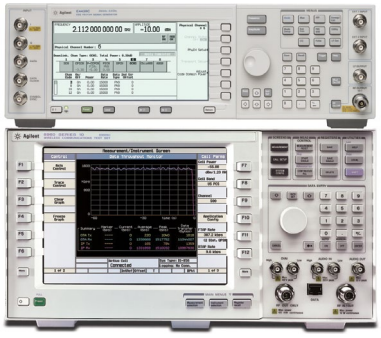
RF shielded chamber and related components (absorber, doors, filters, lighting, etc.)

Baseline configuration: 700 MHz to 6 GHz – options available to extend frequency range

Positioning equipment, measurement antennas and software (EMQuest™)

Design, installation, integration and training

Performance testing



Agilent GS-9000 Lite A-GPS mobile device bench top design verification test solution.

To learn how this solution can address your specific needs please contact Agilent's solutions partner, ETS-Lindgren

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