



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

WIRELESS RESEARCH CENTER OF NORTH CAROLINA
 3331 Heritage Trade Dr., Suite 101
 Wake Forest, NC 27587
 Erica Hixon Phone: 919-435-1051

ELECTRICAL

Valid To: November 30, 2017

Certificate Number: 3518.01

In recognition of the successful completion of the A2LA Accreditation Program, accreditation is granted to this laboratory to perform the following types of wireless tests on mobile devices:

<u>Testing Technology:</u>	<u>Test Methods¹:</u>
OTA Performance	CTIA Test Plan for Wireless Device Over the Air Performance for the following: CDMA, GSM, GPRS, EGPRS, UMTS (W-CDMA), CDMA, 1xEVDO, CDMA 1xRTT devices, LTE devices Verizon Over the Air Radiated Performance: CDMA, 1xRTTE, EVDO, LTE devices
Passive Antenna Measurements	IEEE Standard Test Procedures for Antennas IEEE Std 149: 3.0 Antenna-Range Measurements of Radiation Patterns 3.2 Pattern Cuts 7.3 Near-Field Probing with Mathematical Transformation 10.2 Phase Pattern 10.3 Antenna Phase Center 10.4 Phase Measurements 11.2 Polarization Measurements 12.3 Gain Transfer Measurements 12.6 Directivity Measurements 13 Radiation Efficiency 16.1 Input-Impedance Measurements 16.2 Mutual Impedance Measurement

(CTIA – Cellular Telecommunications & Internet Association)

¹When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory is required to be using the current version within one year of the date of publication, per part C., Section 1 of A2LA R101 - *General Requirements-Accreditation of ISO-IEC 17025 Laboratories*.



Accredited Laboratory

A2LA has accredited

WIRELESS RESEARCH CENTER OF NORTH CAROLINA

Wake Forest, NC

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 27th day of October 2015.

A handwritten signature in blue ink, appearing to read "J. C. Burt".

Senior Director of Quality and Communications
For the Accreditation Council
Certificate Number 3518.01
Valid to November 30, 2017
Revised March 7, 2016

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.