



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Laboratory

A2LA has accredited

CETECOM INC.

Milpitas, CA

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 23rd day of February 2010.





Peter Abaya

President & CEO
For the Accreditation Council
Certificate Number 2135.01
Valid to December 31, 2011

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

CETECOM INC.
411 Dixon Landing Road
Milpitas, CA 95035
Sajay Jose Phone: 408 586 6249

ELECTRICAL

Valid to: December 31, 2011

Certificate Number: 2135.01

In recognition of the successful completion of the A2LA Accreditation Program, accreditation is granted to this laboratory to perform the following Electromagnetic Compatibility, SAR, Telecommunications, Wireless, Bluetooth and OTA testing:

Test

Test Methods

Electromagnetic Compatibility

Emissions

Radiated and Conducted

47 CFR Part 15B (using ANSI C63.4),
Part 18 (using MP-5);
CISPR 11; EN 55011; AS/NZS CISPR11;
CISPR 22; EN 55022; AS/NZS CISPR 22;
IEC 60601-1-2; EN 60601-1-2

Harmonic Current Emissions

EN 61000-3-2; IEC 61000-3-2

Voltage Fluctuations and Flicker

EN 61000-3-3; IEC 61000-3-3

Generic and Product Family Standards

IEC 61000-6-3; EN 61000-6-3;
EN 301 489-1; EN 301 489-3;
EN 301 489-7; EN 301 489-17; EN 301 489-24

Immunity

EN 61000-6-1; IEC 61000-6-1; AS/NZS 61000.6.1;
CISPR 24; AN/NZS CISPR 24; EN 55024

Electrostatic Discharge (ESD)

EN 61000-4-2; IEC 61000-4-2

Radiated Immunity

EN 61000-4-3; IEC 61000-4-3

Electrical Fast Transients/Bursts (EFT/B)

EN 61000-4-4; IEC 61000-4-4

Surge

EN 61000-4-5; IEC 61000-4-5

Conducted Immunity

EN 61000-4-6; IEC 61000-4-6

Voltage Dips, Short Interruptions and Voltage Variations

EN 61000-4-11; IEC 61000-4-11

<u>Test</u>	<u>Test Methods</u>
Specific Absorption Rate (SAR)	EN 50360; EN 50361; EN 50371; FCC OET 65, Supplement C; Australian Communications Authority, Radiocommunications (Electromagnetic Radiation - Human Exposure) Standard; IEC 62209-1; IEEE 1528; RSS 102
Hearing Aid Compatibility (HAC)	ANSI C63.19; CTIA HAC Test Plan
Radio Communication	47 CFR Parts 15, 22, 24, 27, 90, 95; AS/NZS 4771; AS 2772.2; EN 300 328; AS/NZS 4268; EN 301 893; EN 300 220-1; EN 300 220-3; EN 300 440-1; EN 300 330-1; EN 300 330-2; ETS 300 836-1; EN 301 511; EN 301 908-1; EN 301 908-2; EN 301 908-6; RSS 132; RSS 133; RSS 210; CTIA Test Plan for Mobile Station OTA Performance (CTIA - Cellular Telecommunications & Internet Association); CTIA Test Plan for RF Performance Evaluation of WiFi Mobile Converged Devices; 3GPP TS 34.114; 3GPP TS 25.144
<i>Wireless</i>	
Bluetooth	TCRL for Protocol and profile conformance testing; TCRL for profile interoperability testing CTIA Bluetooth Compatibility Test Plan
WiFi	Wi-Fi 802.11 with WPA2, WPA, and WEP System; Interoperability Test Plan with ASD Test Engine for IEEE 802.11 a, b, & g Devices; WMM System Interoperability Test Plan with Test Engine WMM™ Power Save System Interoperability Test Plan; Wi-Fi WPS Test Plan Wi-Fi Alliance 802.11n 2.0 System Interoperability Test Plan
<i>Mobile Communications 2G (GSM) and 3G (UMTS)</i>	
GSM	ETSI EN 301 419-1; ETSI EN 301 511; ETSI TS 151 010-1; ETSI TS 151 010-2; ETSI TS 151 010-4; ETSI TS 151 010-5 ETSI TS 126.132; 3GPP TS 51.010-1; 3GPP TS 51.010-2; 3GPP TS 51.010-4; 3GPP TS 51.010-5; 3GPP TS 26.132; PTCRB NAPRD03; PTCRB PPMD; GCF-CC; AS/ACIF S042.1; AS/ACIF S042.3; ACIF G548
3G/ UMTS/WCDMA	ETSI TS 102 230; ETSI TS 131 121; ETSI TS 134 108; ETSI TS 134 109; ETSI TS 126.132; 3GPP TS 26.132; 3GPP TS 31.121; 3GPP TS 34.108; 3GPP TS 34.109; PTCRB NAPRD03; PTCRB PPMD; GCF-CC

Peter Mlync