INTERNATIONAL ACCREDITATION SERVICE®

CERTIFICATE OF ACCREDITATION

This is to attest that

ITC ENGINEERING SERVICES, INC.

9959 CALAVERAS ROAD
P.O. BOX 543
SUNOL, CALIFORNIA 94586

Testing Laboratory TL-718

has met the requirements of the IAS Accreditation Criteria for Testing Laboratories (AC89), has demonstrated compliance with ISO/IEC Standard 17025:2005, General requirements for the competence of testing and calibration laboratories, and has been accredited, commencing August 18, 2016, for the test methods listed in the approved scope of accreditation.

(See laboratory's scope of accreditation for fields of testing and accredited test methods.)

This accreditation certificate supersedes any IAS accreditation bearing an earlier effective date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation.
See http://iasonline.org/More/search.html for current accreditation information, or contact IAS at 562-364-8201.

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ilac-MRA

C.P. Ramani, P.E., C.B.O
President

15-12065

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SCOPE OF ACCREDITATION

IAS Accreditation Number	TL-718
Accredited Entity	ITC Engineering Services, Inc.
Address	9959 Calaveras Road P.O. Box 543 Sunol, CA 94586
Contact Name	Michael Gbadebo President
Telephone	+1 (925) 862-2944
Effective Date of Scope	August 18, 2016
Accreditation Standard	ISO/IEC Standard 17025:2005

Fields of Testing	Accredited Test Methods
Electrical/EMC	IEC/EN 61000-6-1; IEC/EN 61000-6-2; IEC/EN 61000-6-3; IEC/EN 61000-6-4; IEC/EN 61326-1; IEC/EN 60601-1-2; CISPR 24; EN 55024;
- Emissions:	
- Radiated and Conducted	FCC 47 CFR Part 15, subparts A, B, C (using ANSI C63.4:2003, 2009, 2014 and RSS-212); CISPR 22; EN 55022; AS/NZS CISPR 22; CNS 13438 (up to 6 GHz); KN 22; FCC 47 CFR Part 18 (using FCC OST/MP-5); ICES-001; ICES-003; VCCI V-3 (up to 6 GHz); VCCI V-5; CISPR 11; EN 55011; AS/NZS CISPR 11; CNS 13803; KN 11; KN 15; CISPR 15; EN 55015; EN 55015 + Al; MIL-STD-461/462 (CE 101, 102, 106); MIL-STD-461/462 (RE 101, 102, 103)
- Harmonics	IEC/EN 61000-3-2; AS/NZS 61000-3-2
- Voltage Fluctuations/Flicker	IEC/EN 61000-3-3; IEC/EN 61000-3-11
- Immunity:	
- Electrostatic Discharge (ESD)	IEC/EN 61000-4-2; KN 61000-4-2
- Radiated Immunity	IEC/EN 61000-4-3; KN 61000-4-3; MIL-STD-461/462 (RS 101, 103, 105)
- Electrical Fast Transients/Burst (EIT)	IEC/EN 61000-4-4; KN 61000-4-4
- Surge Immunity	IEC/EN 61000-4-5; KN 61000-4-5
- Conducted Immunity	IEC/EN 61000-4-6; KN 61000-4-6; MIL-STD-461/462 (CS 101, 103, 104); MIL-STD-461/462 (CS 105, 106, 109); MIL-STD-461/462 (CS 114, 115, 116)

SCOPE OF ACCREDITATION

Fields of Testing	Accredited Test Methods
Electrical/EMC (continued)	
- Magnetic Field Immunity	IEC/EN 61000-4-8; KN 61000-4-8
- Voltage Dips	IEC/EN 61000-4-11; KN 61000-4-11
- Automotive	ISO 7637-2, National Highway Traffic Safety Administration [Docket No. NHTSA-2013-0058] Model Specifications for Breath Alcohol Ignition Interlock Devices (BAIIDs)
- Radio	FCC47 CFR Part 15, subparts C FCC47 CFR Part 15, subparts D FCC47 CFR Part 15, subparts E (*including DFS testing*) FCC47 CFR Part 22, subparts H FCC47 CFR Part 24, subparts E FCC47 CFR Part 74, subparts H FCC47 CFR Part 80 FCC47 CFR Part 90 FCC47 CFR Part 95, subparts A, B, C EN 300 220-1/-2; EN 300 328; EN 300 440-1/-2; EN 300 386; EN 301 511; EN 301 489-1/-17; RSS-132; RSS 133; RSS-135; RSS-210;RSS-215; RSS-247 (including DFS testing); RSS-310; RSS-GEN; KN 301 489-1/-17; AS/NZS 4268
- Environmental Simulation	MIL-STD-810F/G; IEC 60529

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SCOPE OF ACCREDITATION

Fields of Testing	Accredited Test Methods
Republic of Korea Regulations for the following products: Audio-Video Equipment, Electrical Machinery Equipment, Laboratory Equipment, Lighting Fixtures, Medical Equipment (ME), Network and Information Technology Equipment (ITE), Radio Telecommunications Terminal Equipment (RTTE), Semiconductor Equipment	
Technical Requirements for Electromagnetic Interference	- RRA Public Notification 2014-8, June 23, 2014
Technical Requirements for Electromagnetic Susceptibility	- RRA Public Notification 2014-9, June 23, 2014
Test Methods for Electromagnetic Interference	- RRA Announce 2014-37, June 23, 2014 (Annexes 2, 5, 8-3, 9)
Test Methods for Electromagnetic Susceptibility	- RRA Announce 2014-38, June 23, 2014 (Annexes 1-1, 1-2, 1-3, 1-4, 1-5, 1-6, 1-7)
Conformity Assessment Procedure of Radio Equipment	- RRA Announce 2013-33, Jul 26, 2013
Regulations on Radio Equipment	- MSIP Public Notification 2014-59, Sept 30, 2014
Electrical Testing	ANSI/UL 60950-1; IEC/EN 60950-1 (excluding clause 4.3.13.2); AS/NZS 60950; IEC/EN 61010-1 (excluding clauses 12.2.1 and 13.3); IEC 60601-1:3rd ed. (excluding clauses 9.7.5 and 10.1); IEC/EN 60601-1-3; IEC/EN 60601-1-4; IEC/EN 60601-2-22; IEC/EN 60601-2-37; IEC/EN 60204-1; IEC/EN 60529; IEC/EN 60825-1; MIL-STD-202G, Method 301 ; EN 298/EN 230/EN 60730-1