



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

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MECHANICAL

Valid until: June 30, 2020

Certificate Number: 2443.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following product safety tests on optical and telecommunication devices:

<u>Test:</u>	<u>Test Method(s):</u>
Mechanical Shock	GR-468-CORE, GR-1221-CORE, GR-1312-CORE, GR-1209-CORE, GR-1073-CORE; TIA-455-14-A; MIL-STD-883G, Method 2002.4
Vibration	GR-468-CORE, GR-1221-CORE, GR-1312-CORE, GR-1209-CORE, GR-2882-CORE, GR-2883-CORE, GR-1073-CORE; IEC 61300-2-1; EIA/TIA-455-11C; MIL-STD-883G, Method 2007.3
Die Shear Strength	GR-468-CORE; MIL-STD-883G, Method 2019.7
Wire Bond Strength	GR-468-CORE; MIL-STD-883G, Method 2011.7
Thermal Shock	GR-468-CORE, GR-1221-CORE, GR-2883-CORE, GR-910-CORE; IEC-61300-2-22, IEC 60068-2-14; TIA/EIA-455-71; MIL-STD-883G, Method 1011.9

<u>Test:</u>	<u>Test Method(s):</u>
Solderability	GR-468-CORE; MIL-STD-883G, Method 2003.8; ECA J-STD-002B
Fiber Pull	GR-468-CORE, GR-1221-CORE, GR-1312-CORE, GR-1209-CORE; TIA/EIA-455-6B; IEC-61300-2-4; GR-326-CORE
Accelerated Aging	GR-468-CORE
Temperature Cycling	GR-468-CORE, GR-1221-CORE, GR-1312-CORE, GR-1209-CORE, GR-2882-CORE, GR-2883-CORE, GR-326-CORE, GR-910-CORE, GR-1222-CORE, GR-1073-CORE; IEC 61300-2-22, IEC 60068-2-14; TIA/EIA-455-3A; MIL-STD-883G, Method 1010.8
High Temperature Storage (Dry heat)	GR-468-CORE, GR-1221-CORE, GR-2882-CORE, GR-2883-CORE, GR-326-CORE, GR-910-CORE, GR-1222-CORE, GR-1073-CORE; TIA/EIA-455-4A; IEC 60068-2-2, IEC 61300-2-18
Low Temperature Storage (Cold)	GR-468-CORE, GR-1221-CORE, GR-2882-CORE, GR-2883-CORE, GR-910-CORE, GR-1073-CORE; TIA/EIA-455-4A; IEC 60068-2-1
Damp Heat	GR-468-CORE, GR-1221-CORE, GR-1312-CORE, GR-1209-CORE, GR-2882-CORE, GR-2883-CORE, GR-326-CORE, GR-910-CORE, GR-1222-CORE, GR-1073-CORE; IEC 60068-2-3, IEC 61300-2-19; TIA/EIA-455-5C; MIL-STD-202G, Method 103B
Cyclic Moisture Resistance	GR-468-CORE, GR-1221-CORE, GR-1209-CORE, GR-2882-CORE, GR-2883-CORE, GR-910-CORE, GR-1073-CORE; IEC 60068-2-38; MIL-STD-883G, Method 1004.7
Internal Moisture Test	GR-468-CORE, GR-1221-CORE, GR-2883-CORE; MIL-STD-883G, Method 1018.5

Test:

Test Method(s):

ESD Threshold

GR-468-CORE, GR-1221-CORE;
IEC 60749-26;
TIA/EIA-455-129;
MIL-STD-883G, Method 3015.7

Fiber Side Pull

GR-468-CORE, GR-1221-CORE, GR 1312-CORE,
GR-1209-CORE; TIA/EIA-455-1B; IEC-61300-2-4; GR-326-
CORE

Fiber Flex

GR-468-CORE, GR-1221-CORE, GR 1312-CORE,
GR-1209-CORE; TIA/EIA-455-1B; IEC-61300-2-5; GR-326-
CORE

Durability

GR-326-CORE; IEC 61300-2-2; GR-468-CORE

Impact

GR-326-CORE; IEC-61300-2-12



Accredited Laboratory

A2LA has accredited

ETRI

Gwangju, South Korea

for technical competence in the field of

Mechanical 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 April 2017).



Presented this 26th day of July 2018.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2443.02
Valid to June 30, 2020

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