



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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ELECTRICAL

Valid To: June 30, 2023

Certificate Number: 2041.04

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following EMC, SAR, and RF testing of wireless devices:

<u>Test Technology:</u>	<u>Test Method(s)¹:</u>
<i>Emissions</i>	
Radiated and Conducted	CFR 47, FCC Parts 15B/C/E (using ANSI C63.4:2014, ANSI C63.10:2013, and FCC KDB 905462 D02 (v02)); CFR 47, FCC Part 18 (using MP-5:1986); TS 136 141; TS 138 141-1; TS 138 141-2
<i>Radio</i>	
U.S.	47 CFR FCC Parts 2, 22, 24, 25, 27, 30, 74, 90, 95, 96, 97, 101 (using ANSI/TIA-603-E, ANSI C63.26:2015); ANSI/TIA 603-D; TIA-102.CAAA-D
Canada	RSS-111; RSS-112; RSS-117; RSS-119; RSS-123; RSS-125; RSS-127; RSS-130; RSS-131; RSS-132; RSS-133; RSS-134; RSS-135; RSS-137; RSS-139; RSS-140; RSS-141; RSS-142; RSS-170; RSS-181; RSS-182; RSS-191; RSS-192; RSS-194; RSS-196; RSS-197; RSS-199; RSS-210; RSS-211; RSS-213; RSS-215; RSS-216; RSS-220; RSS-222; RSS-236; RSS-238; RSS-243; RSS-244; RSS-247 (w/o DFS); RSS-248; RSS-251; RSS-252; RSS-287; RSS-288; RSS-310; RSS-GEN

<u>Test Technology:</u>	<u>Test Method(s)¹:</u>
Korea	KS X 3123(2019); KS X 3142 (2019); Unlicensed Radio Equipment Established Without Notice (MSIT Public Notification 2018-38); Technical Requirements for Radio Equipment (Enforcement Decree of MSIT No.1);
European / UK Radio	EN 301 502; EN 301 908-1; EN 301 908-3; EN 301 908-14; EN 301 908-18; EN 301 908-24
<i>SAR/RF Exposure</i>	RSS-102 (NS, RF Exp., SAR); SPR-002; FCC KDB 248227 D01; FCC KDB 447498 D01, D02; FCC KDB 248227 D01; FCC KDB 615223 D01; FCC KDC 643646 D01; FCC KDB 648474 D03, D04; FCC KDB 616217 D04; FCC KDB 865664 D01, D02; FCC KDB 680106 D01; FCC KDB 941225 D01, D05, D05A, D06, and D07; EN 62209-1; EN 62209-2; IEC TR 62630; IEEE 1528:2013; IEEE C95.1(1999); IEEE Std. C95.1 (2005); IEEE Std C95.3.1 (2010); IEEE Std C95.3 (2002) EN 50385:2017; EN 50401:2017; EN 62232:2017

¹ When 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*.

Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1²

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
<u>Unintentional Radiators</u> Part 15B	ANSI C63.4:2014	220000
<u>Industrial, Scientific, and Medical Equipment</u> Part 18	FCC MP-5:1986	220000
<u>Intentional Radiators</u> Part 15C	ANSI C63.10:2013	220000
<u>U-NII without DFS Intentional Radiators</u> Part 15E	ANSI C63.10:2013	40000

Testing Activities Performed in Support of FCC Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1²

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
<u>Commercial Mobile Services (FCC Licensed Radio Service Equipment)</u> Parts 22 (cellular), 24, 25 (below 3 GHz), and 27	ANSI/TIA-603-E; ANSI C63.26:2015	220000
<u>General Mobile Radio Services (FCC Licensed Radio Service Equipment)</u> Parts 22 (non-cellular), 90 (below 3 GHz), 95, 97 (below 3 GHz), and 101 (below 3 GHz)	ANSI/TIA-603-E; ANSI C63.26:2015	220000
<u>Citizens Broadband Radio Services (FCC Licensed Radio Service Equipment)</u> Part 96	ANSI/TIA-603-E; ANSI C63.26:2015	220000
<u>Microwave and Millimeter Bands Radio Services</u> Parts 25, 30, 74, 90 (M, DSRC, Y, Z), Part 95 (M and L), and 101	ANSI/TIA-603-E; ANSI C63.26:2015	220000
<u>RF Exposure</u> Devices Subject to SAR Requirements	IEEE Std 1528:2013	100000

²Accreditation does not imply acceptance to the FCC equipment authorization program. Please see the FCC website (<https://apps.fcc.gov/oetcf/eas/>) for a listing of FCC approved laboratories.





Accredited Laboratory

A2LA has accredited

Element Materials Technology Suwon. Ltd.

Gyeonggi-do, South Korea

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *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 24th day of September 2021.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2041.04
Valid to June 30, 2023
Revised January 18, 2023

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