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UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

SAMSUNG ELECTRONICS CO., LTD.,
Petitioner,

v.

WILUS INSTITUTE OF STANDARDS AND TECHNOLOGY INC.,
Patent Owner.

Case No. IPR2025-01110
U.S. Patent No. 11,716,171

Case No. IPR2025-01111
U.S. Patent No. 10,911,186

DECLARATION OF JIN SAM KWAK

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I, Jin Sam Kwak, declare as follows:

1. I am the Chief Executive Officer of Wilus Institute of Standards and Technology Inc. ("Wilus")

2. Wilus was founded in 2012. It is a leading independent R&D lab based in South Korea, with a track record of developing new technologies related to wireless communications and multimedia. Since its formation, Wilus has made over 700 technical contributions to leading standards bodies including 3GPP (for LTE and 5G), IEEE 802.11 (for Wi-Fi 6, 7 and beyond) and MPEG (for MPEG-H 3D Audio & Versatile Video Coding). These innovations have generated an intellectual property portfolio which includes more than 3,500 patents across 9 Standard Essential Patent (SEP) portfolios. Through participation in market-leading patent pools, Wilus has obtained independent validation of its patents' essentiality to the relevant standards, and secured hundreds of licenses all over the world.

3. Wi-Fi 6 is governed by the IEEE 802.11ax standard. This standard has been widely used and recognized in the industry as the authoritative standard for Wi-Fi 6 communications.

4. Wilus is the assignee of U.S. Patent Nos. 10,911,186 and 11,716,171. These patents have been licensed by over 30 companies in the

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communications industry. Some example licensees include Cisco Systems, Inc. and Lenovo Group Ltd.

5. On or around April 8, 2022, a letter was sent to Samsung on behalf of Wilus which identified U.S. Patent No. 10,911,186 as essential to the standard for Wi-Fi 6 communications. Exhibit 2010 is a copy of that April 8, 2022 letter and attachments 1 and 2 thereto. The letter offered Samsung a license to this patent. To date, Samsung has not taken a license.

6. In signing this Declaration, I recognize that the Declaration will be filed as evidence in a contested case before the Patent Trial and Appeal Board of the United States Patent and Trademark Office. I also recognize that I may be subject to cross-examination in this proceeding. If required, I will appear for cross-examination at the appropriate time.

7. I hereby declare that all statements made herein of my own knowledge are true and that all statements are made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001.

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Dated: 8/25/2025

Respectfully Submitted,

서명인:

Jin Sam Kwak

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Jin Sam Kwak
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