

CERTIFICATE RED-4307

Issue no. 1

EU TYPE EXAMINATION CERTIFICATE RADIO EQUIPMENT DIRECTIVE 2014/53/EU

Product Wireless Module

Model Open-Q 8550CS SOM

Series models -

Trademark LANTRONIX

Certificate holder / Manufacturer Lantronix, Inc.
48 Discovery, Suite 250 Irvine, CA 92618 USA

Other information -

Compliance with the requirements on the basis of type examination Product fulfils the requirements of the standard(s) listed on page 2 and the essential requirements set out in Article 3.1a (Health & Safety), Article 3.1b (EMC) and Article 3.2 (Radio Spectrum Use) of the Radio Equipment Directive 2014/53/EU.

Validity This certificate is valid until 2031-02-26 unless the standard in question has been amended or superseded.

Date of issue 2026-02-26

SGS Fimko Oy

Signature



Janne Nyman
Certification Manager

SGS Fimko Oy is a Notified Body (0598) according to the RE Directive 2014/53/EU.



Certificate issued by

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Member of the SGS Group (SGS SA)



Applied standards

Article	Standard
3.1a Health & Safety	EN IEC 62368-1:2020+A11:2020 EN 62311:2008 EN IEC 62311:2020 EN 50665:2017
3.1b EMC	EN 301 489-1 V2.2.3 EN 301 489-3 V2.3.2 EN 301 489-17 V3.3.1 EN 55032:2015+A11:2020 EN 55035:2017+A11:2020
3.2 Radio Spectrum	EN 300 328 V2.2.2 EN 301 893 V2.2.1 EN 303 687 V1.1.1

Test reports

Testing Laboratory	Report Number	Date
SGS Taiwan Ltd. Central RF Lab	TERF2511004082ER	February 23, 2026
SGS Taiwan Ltd. Central RF Lab	TERF2511004083ER	February 23, 2026
SGS Taiwan Ltd. Central RF Lab	TERF2511004084ER	February 23, 2026
SGS Taiwan Ltd. Central RF Lab	TERF2511004085ER	February 23, 2026
SGS Taiwan Ltd. Central RF Lab	TERF2511004086ER	February 13, 2026
SGS Taiwan Ltd. Central RF Lab	TERF2511004088ER	February 23, 2026
SGS Taiwan Ltd. Central RF Lab	TESA2511000937ES	February 12, 2026
SGS Taiwan Electromagnetic Compatibility Laboratory	TMHY2512002867YE	January 14, 2026
SGS Taiwan Electromagnetic Compatibility Laboratory	TMHY2512002868YE	January 14, 2026
SGS Taiwan Ltd. Safety Laboratory	TSSF2512000708L0	December 12, 2025

Technical information

Operating voltage: 3.8Vdc from battery or 5Vdc from USB

Frequency band:

Bluetooth / BLE: 2 402 – 2 480 MHz

WLAN: 802.11 b/g/n/ac/ax/be: 2 412 – 2 472 MHz

WLAN: 802.11 a/n/ac/ax/be: 5 150 – 5 250, 5 250 – 5 350, 5 470 – 5 725,
5 725 – 5 850 MHz

WLAN: 802.11 a/ax/be: 5 945 – 6 425 MHz

Transmit power:

Bluetooth /BLE: 9.08 dBm / 9.90 dBm EIRP

WLAN 802.11 b/g/n/ac/ax/be: 19.94 dBm EIRP (2 412 – 2 472 MHz)

WLAN 802.11 a/n/ac/ax/be: 22.99 dBm EIRP (5 150 – 5 725 MHz)

WLAN 802.11 a/n/ac/ax/be: 13.98 dBm EIRP (5 725 – 5 850 MHz)

WLAN 802.11 a/ax/be: 22.98 dBm EIRP (5 945 – 6 425 MHz)

Antenna type and gain:

Dipole for BT/BLE/WLAN

3.46 dBi (Ch0), 3.46 dBi (Ch1) @ 2.4 GHz

6.86 dBi (Ch0), 6.86 dBi (Ch1) @ 5 GHz

8.09 dBi (Ch0), 8.09 dBi (Ch1) @ 6 GHz

Hardware version: N/A

Software version: Open-Q 8550 Android BSP v1.3

Additional information

This type examination certificate is based on the inspection of the technical documentation ref. no. TERF2602000604EF provided by the manufacturer.

This certificate is valid only for the models mentioned in this certificate.

The manufacturer must inform SGS Fimko if any technical or electrical changes made to the product covered by this certificate, as unauthorised modifications would invalidate this certificate.