

# Test Result Report

Date: 29 April 2026

|                 |                     |                                           |
|-----------------|---------------------|-------------------------------------------|
| Test Laboratory | Address             | Karakaarenkuja 4, FI-02610 Espoo, Finland |
|                 | Name of corporation | SGS Fimko Ltd.                            |
|                 | Name of President   | Mikael Löfdahl                            |
|                 | Position            | Managing Director                         |
|                 | Name of responsible | Timo Leismala                             |

  
Signature

|                                                          |                                                                                                                 |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| Type of specified radio equipment                        | Radio equipment according to Certification Ordinance Article 2 Section 1 No. 19                                 |
| Model name                                               | LC Controller                                                                                                   |
| Manufacturer                                             | Mirka Ltd.                                                                                                      |
| Serial Number                                            | LC50.4 060343                                                                                                   |
| Number of test sample                                    | 1                                                                                                               |
| Class of emissions, Assigned frequency and Antenna power | F1D, 2402 – 2480 MHz (2 MHz step 40 ch), 0.001 W (0 dBm)                                                        |
| Name of test person                                      | Henri Mäki                                                                                                      |
| Qualifications or conditions of test person              | EMC/RF Test Engineer                                                                                            |
| Test Date                                                | 17 March 2026                                                                                                   |
| Temperature/Humidity                                     | 23 °C, 31 %                                                                                                     |
| Measuring Instruments                                    | Spectrum analyzer: Rohde & Schwarz FSV40<br>Serial Number: 101068<br>Calibrated: 9 June 2025 by Rohde & Schwarz |
| Test Method                                              | Notification No.88 of MIC, Appendix 43                                                                          |
| Test Result                                              | Pass<br>See attached test report                                                                                |
| Remarks                                                  | -                                                                                                               |

## Test result and instruments about Type certificate

Bluetooth Low Energy

### 1. General

|                                                          |                                                        |         |                                                       |
|----------------------------------------------------------|--------------------------------------------------------|---------|-------------------------------------------------------|
| Model name                                               | LC Controller                                          | Date    | 29 April 2026                                         |
| Serial number                                            | LC50.4 060343                                          | Place   | SGS Fimko Ltd, Karakaarenkuja 4, 02610 Espoo, Finland |
| Class of emissions, Assigned frequency and Antenna power | F1D, 2402-2480 MHz (2 MHz step 40 ch), 0.001 W (0 dBm) | Remarks |                                                       |

### 2. Measuring Instruments

| Equipment type    | Model number | Serial number | Manufacturer    | Calibrated Date | Calibration Authority | Remarks |
|-------------------|--------------|---------------|-----------------|-----------------|-----------------------|---------|
| Spectrum analyzer | FSV40        | 101068        | Rohde & Schwarz | 2025/6/9        | Rohde & Schwarz ( c ) |         |
|                   |              |               |                 |                 |                       |         |
|                   |              |               |                 |                 |                       |         |

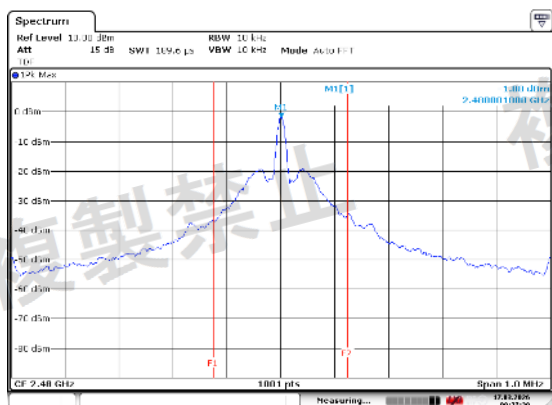
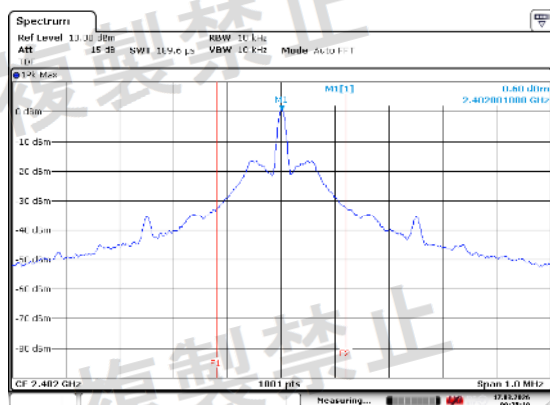
### 3. Test Result

| Condition                | Test Items                       |                     | Unit | Normal Voltage +10 % ( V ) |                                                                                          |          | Normal Voltage (100 V) |          |          | Normal Voltage -10 % ( V ) |          |          | Judgment | Limit  | Remarks    |  |
|--------------------------|----------------------------------|---------------------|------|----------------------------|------------------------------------------------------------------------------------------|----------|------------------------|----------|----------|----------------------------|----------|----------|----------|--------|------------|--|
|                          |                                  |                     |      | 2402 MHz                   | 2442 MHz                                                                                 | 2480 MHz | 2402 MHz               | 2442 MHz | 2480 MHz | 2402 MHz                   | 2442 MHz | 2480 MHz |          |        |            |  |
| Normal<br>(23 ° C, 31 %) | Frequency                        |                     | MHz  |                            |                                                                                          |          | 2402.001               |          | 2480.001 |                            |          |          | Pass     |        |            |  |
|                          |                                  |                     | ppm  |                            |                                                                                          |          | +0.4                   |          | +0.4     |                            |          |          |          | 50ppm  |            |  |
|                          | Occupied Bandwidth               |                     | MHz  |                            |                                                                                          |          | 2.263                  |          | 1.502    |                            |          |          | Pass     | 26MHz  |            |  |
|                          | Spurious Emissions               | 30MHz-2387MHz       | dBm  |                            |                                                                                          |          | -44.75                 |          | -43.73   |                            |          |          | Pass     | -26dBm |            |  |
|                          |                                  |                     | uW   |                            |                                                                                          |          | 0.033                  |          | 0.042    |                            |          |          |          | 2.5 uW |            |  |
|                          |                                  |                     | MHz  |                            |                                                                                          |          | 1201.250               |          | 1240.500 |                            |          |          |          |        |            |  |
|                          |                                  | 2387MHz-2400MHz     | dBm  |                            |                                                                                          |          | -38.38                 |          | -50.72   |                            |          |          | Pass     | -16dBm |            |  |
|                          |                                  |                     | uW   |                            |                                                                                          |          | 0.145                  |          | 0.008    |                            |          |          |          | 25 uW  |            |  |
|                          |                                  |                     | MHz  |                            |                                                                                          |          | 2399.994               |          | 2389.825 |                            |          |          |          |        |            |  |
|                          |                                  | 2483.5MHz-2496.5MHz | dBm  |                            |                                                                                          |          | -49.80                 |          | -35.99   |                            |          |          | Pass     | -16dBm |            |  |
|                          |                                  |                     | uW   |                            |                                                                                          |          | 0.010                  |          | 0.252    |                            |          |          |          | 25 uW  |            |  |
|                          |                                  |                     | MHz  |                            |                                                                                          |          | 2486.740               |          | 2483.506 |                            |          |          |          |        |            |  |
|                          |                                  | 2496.5MHz-12.5GHz   | dBm  |                            |                                                                                          |          | -42.24                 |          | -42.35   |                            |          |          | Pass     | -26dBm |            |  |
|                          |                                  |                     | uW   |                            |                                                                                          |          | 0.060                  |          | 0.058    |                            |          |          |          | 2.5 uW |            |  |
|                          |                                  |                     | MHz  |                            |                                                                                          |          | 6967.030               |          | 6930.530 |                            |          |          |          |        |            |  |
|                          |                                  | Antenna Power       |      | W                          |                                                                                          |          |                        | 0.0011   |          | 0.0006                     |          |          |          | Pass   | 0.01W      |  |
|                          |                                  |                     |      | %                          |                                                                                          |          |                        | +14.3    |          | -35.7                      |          |          |          |        | +20 ~ -80% |  |
|                          | Secondary Radiated Emissions     | 30MHz-1GHz          | dBm  |                            |                                                                                          |          | -85.52                 |          | -84.85   |                            |          |          | Pass     | -54dBm |            |  |
|                          |                                  |                     | nW   |                            |                                                                                          |          | 0.003                  |          | 0.003    |                            |          |          |          | 4 nW   |            |  |
|                          |                                  |                     | MHz  |                            |                                                                                          |          | 944.578                |          | 620.545  |                            |          |          |          |        |            |  |
|                          |                                  | 1GHz-12.5GHz        | dBm  |                            |                                                                                          |          | -62.33                 |          | -61.50   |                            |          |          | Pass     | -47dBm |            |  |
|                          |                                  |                     | nW   |                            |                                                                                          |          | 0.585                  |          | 0.708    |                            |          |          |          | 20 nW  |            |  |
|                          |                                  |                     | MHz  |                            |                                                                                          |          | 2747.670               |          | 2836.670 |                            |          |          |          |        |            |  |
|                          | Interference Prevention Function |                     |      |                            | MAC address was obtained with nRF Connect v4.29.1 mobile application: E6:8B:F6:F3:43:49. |          |                        |          |          |                            |          |          |          | Pass   |            |  |

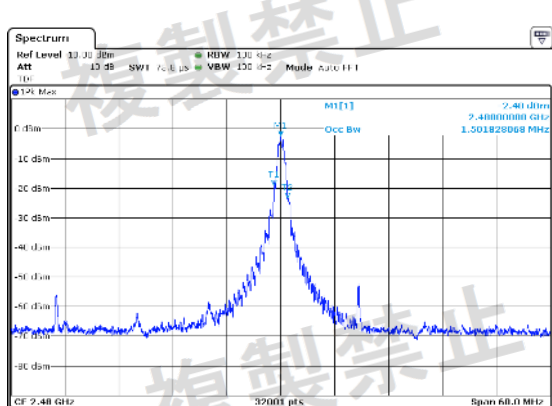
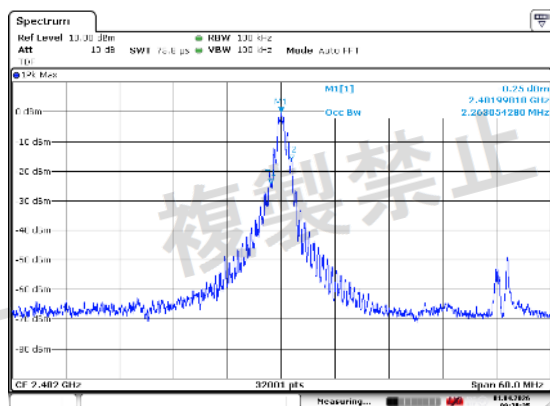
#### Note:

Voltage regulation inside the application equipment: testing performed only at normal voltage.

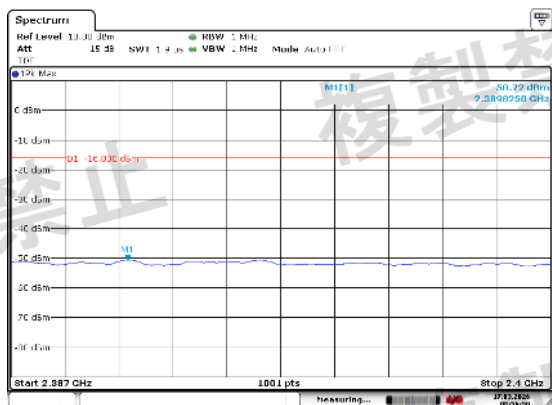
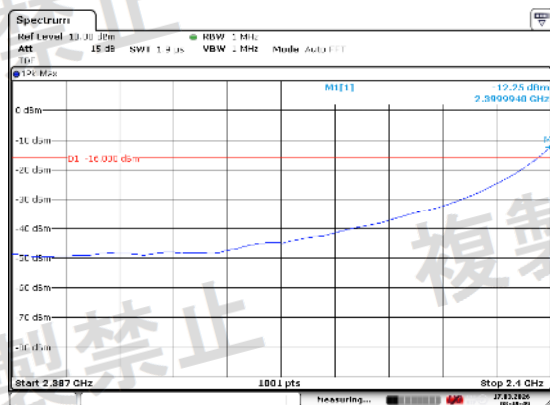
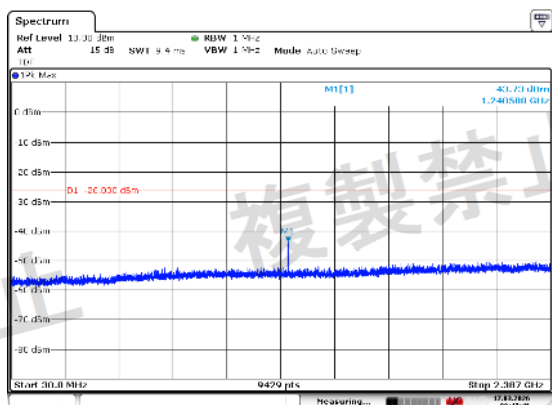
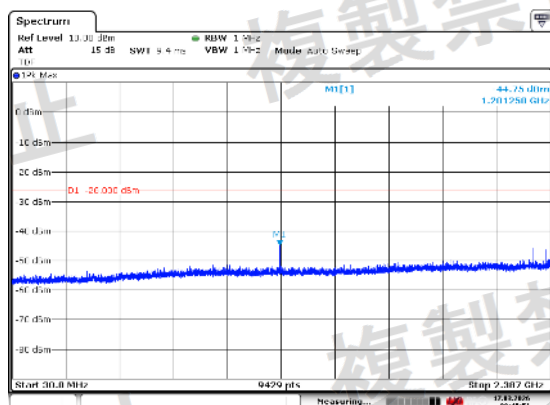
## Frequency

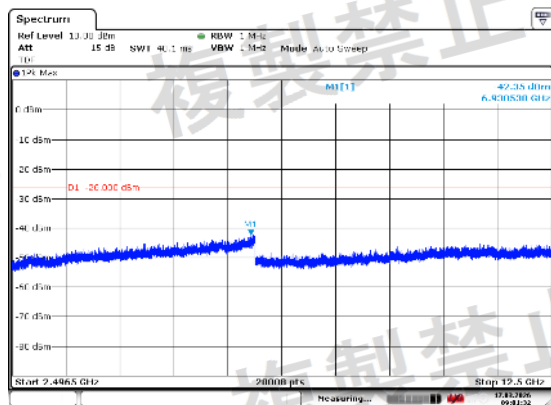
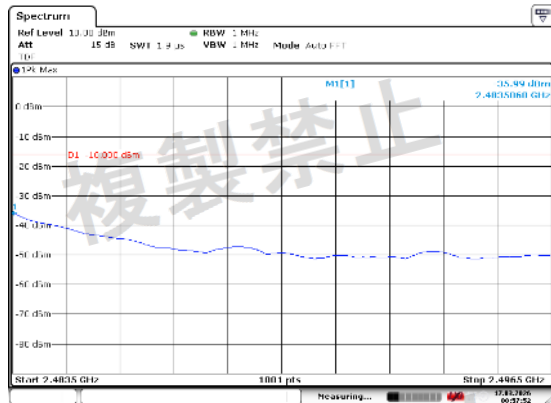
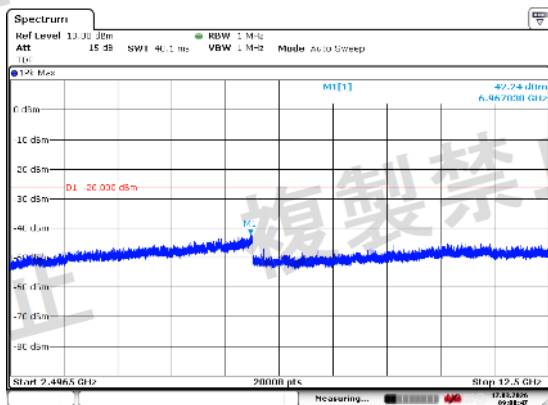
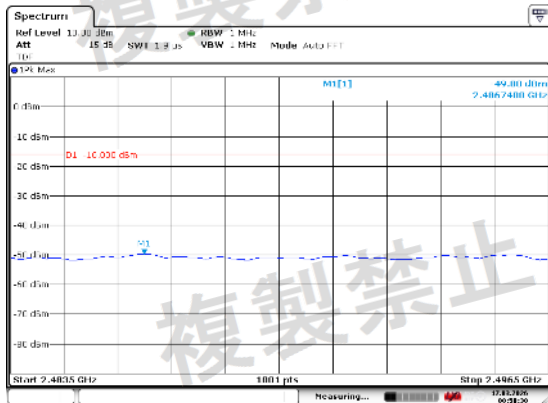
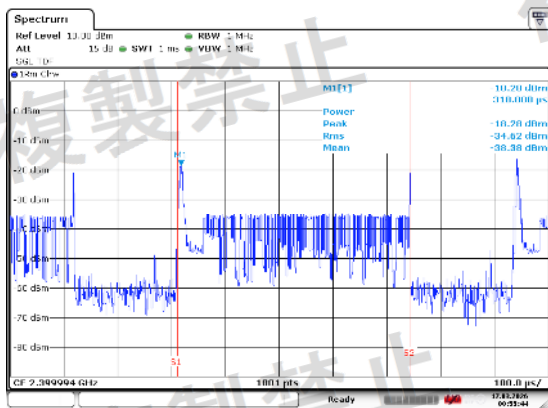


## Occupied Bandwidth 99 %

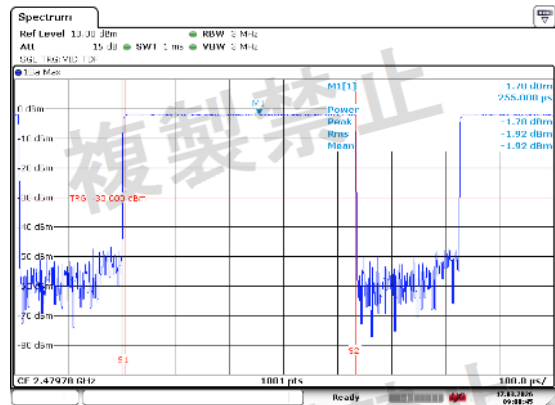
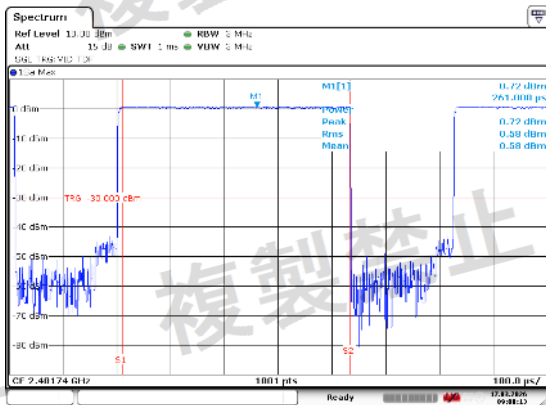
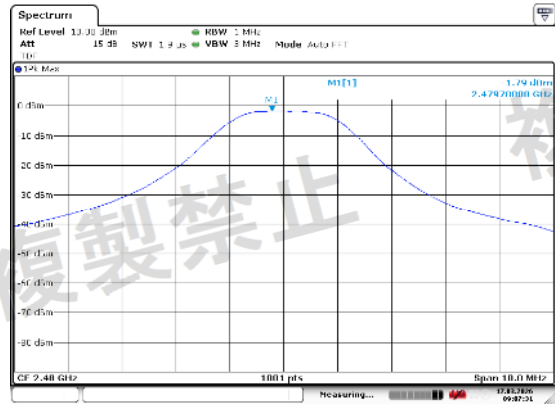
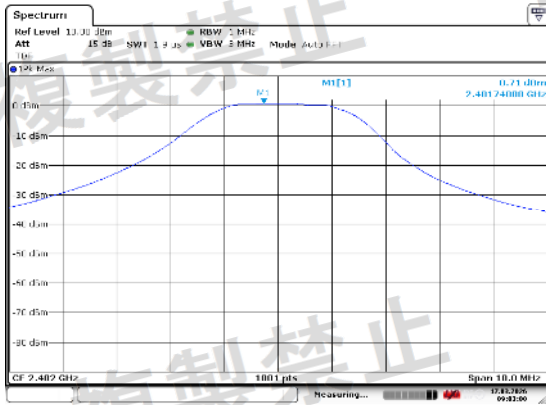


## Spurious Emission Intensity

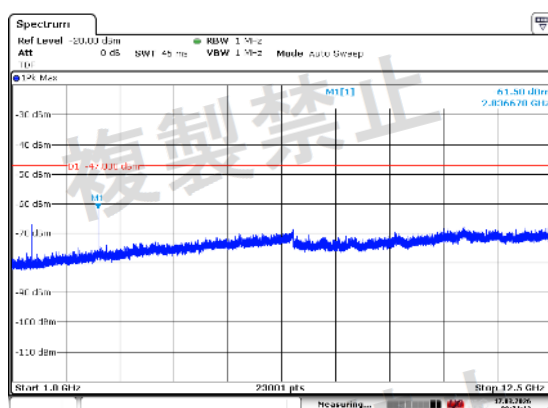
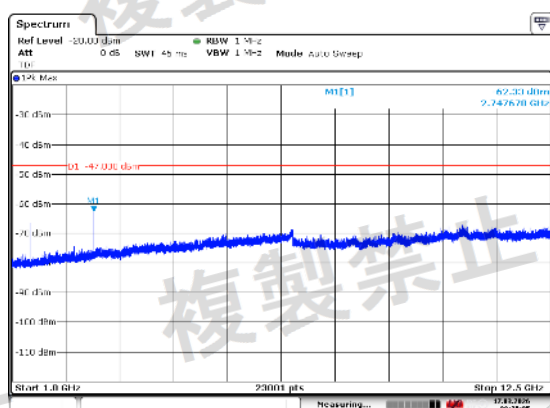
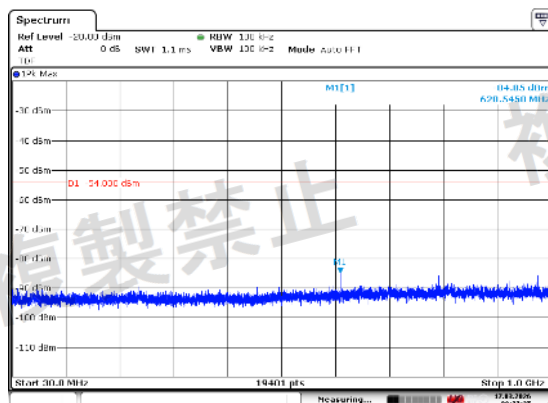
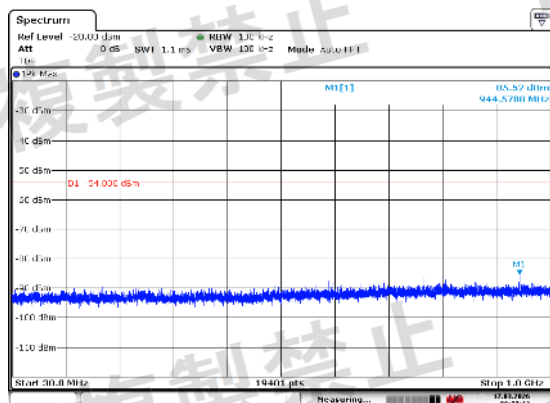




# Antenna Power



## Secondary Radiated Emissions



## Interference Prevention Function

