

## RF EXPOSURE

---

|                                 |                                                                                             |
|---------------------------------|---------------------------------------------------------------------------------------------|
| Applicant Name / Address        | Braveridge Co., Ltd.<br>3-27-2 Susenji Nishi-Ku, Fukuoka City, Fukuoka Prefecture, 819-0373 |
| Test Sample Description         |                                                                                             |
| - Product name .....            | Bluetooth Low Energy Module                                                                 |
| - Model and/or Brand name ..... | BVMCN52840CFSLR                                                                             |
| - FCC ID .....                  | 2ABXRBM5284C                                                                                |
| - IC .....                      | N/A                                                                                         |
| - Manufacturer Name .....       | Braveridge Co., Ltd.                                                                        |
| - Manufacturer Address .....    | 3-27-2 Susenji Nishi-Ku, Fukuoka City, Fukuoka Prefecture, 819-0373                         |
| - Variant model Name .....      | N/A                                                                                         |
| Date of receipt of sample(s)    | 19 July. 2025                                                                               |
| Date of Test                    | 19 Aug. 2025 - 12 Sep. 2025<br>CFR 47 Part2 Section 1.1310                                  |
| Test standard(s)                | CFR 47 Part2 Section 2.1093<br>KDB 447498 D01                                               |
| Test Results & uncertainty      | See Summary                                                                                 |
| Issue date                      | 11 Nov. 2025                                                                                |

Note 1. The results shown in this test report refer only to the sample(s) tested.

Note 2: This report shall not be reproduced except in full, without the written approval of Intertek.

**Intertek ETL SEMKO Korea Ltd.**

---

Except where explicitly agreed in writing, all work and services performed by Intertek is subject to our standard Terms and Conditions which can be obtained at our website: <http://www.intertek.com/terms/>. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. This report is made solely on the basis of your instructions and / or information and materials supplied by you and provide no warranty on the tested sample(s) be truly representative of the sample source. The report is not intended to be a recommendation for any particular course of action, you are responsible for acting as you see fit on the basis of the report results. Intertek is under no obligation to refer to or report upon any facts or circumstances which are outside the specific instructions received and accepts no responsibility to any parties whatsoever, following the issue of the report, for any matters arising outside the agreed scope of the works. This report does not discharge or release you from your legal obligations and duties to any other person. You are the only one authorized to permit copying or distribution of this report (and then only in its entirety). Any such third parties to whom this report may be circulated rely on the content of the report solely at their own risk. This report shall not be reproduced, except in full.



## SECTION 1 CONTENTS

| SECTION NAMES          | PAGE |
|------------------------|------|
| 1. Contents            | 2    |
| 2. General Description | 3    |
| 3. Test Result         | 4    |



## SECTION 2 GENERAL DESCRIPTION

### 1. Laboratory Information

|                |                                                                                   |
|----------------|-----------------------------------------------------------------------------------|
| Name           | Intertek ETL SEMKO Korea Ltd.                                                     |
| Address        | Intertek building, 3, Gongdan-ro 160beon-gil, Gunpo-si, Gyeonggi-do, 15845, Korea |
| Phone No.      | +82 2 567 7474                                                                    |
| Fax No.        | +82 2 567 8482                                                                    |
| Accreditations | FCC/IC Site Designation No : KR0163<br>Industry Company Number: 21965             |

### 2. Applicant Information

|                |                                                                     |
|----------------|---------------------------------------------------------------------|
| Name           | Braveridge Co., Ltd.                                                |
| Address        | 3-27-2 Susenji Nishi-Ku, Fukuoka City, Fukuoka Prefecture, 819-0373 |
| Contact Person | Yuki Okawa                                                          |
| Phone No.      | +81 70 4331 6821                                                    |

### 3. Description of EUT

|                                              |                                           |
|----------------------------------------------|-------------------------------------------|
| Product name                                 | Bluetooth Low Energy Module               |
| Model name                                   | BVMCN52840CFSLR                           |
| Serial No.                                   | N/A                                       |
| Manufacturer                                 | Braveridge Co., Ltd.                      |
| Country of Manufacture                       | Japan                                     |
| Rated Voltage                                | DC 3.0 V                                  |
| Approved RF Module                           | N/A                                       |
| Approved Module FCC ID                       | N/A                                       |
| Frequency Range                              | 2 402 MHz ~ 2 480 MHz (BT LE)             |
| Modulation Technique                         | GFSK (1 Mbps / 2 Mbps)                    |
| Number of Channel                            | 40 CH                                     |
| Antenna Type                                 | Main : Dipole Antenna, Sub : Chip Antenna |
| Antenna Gain                                 | 5.03 dBi, 1.90 dBi                        |
| Transmit Power                               | 7.79 dBm (Peak)                           |
| HVIN(Hardware Version Identification Number) | 1.0                                       |
| FVIN(Firmware Version Identification Number) | 7.0.1                                     |
| RF Power Setting Parameter                   | Power Level: 8                            |



## SECTION 3 TEST RESULT

### 1. MPE Evaluation

#### 1.1 Rule

According to 1.1310 (b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

#### 1.2 Measurement Procedure

According to KDB Publication 447498 D01, section 4.3.1, per the calculations of item 1

(Power(mW)/separation (mm)\*sqrt(f(GHz)≤3.0), SAR is required as shown in the table below where calculated values are greater than 3.0:

#### 1.3 Test Results – Complied

| Mode           | Frequency (MHz) | Measured Average Power (dBm) | Average Power (dBm) | EIRP (dBm) | Power Density (mW/cm^2) | Limit (mW/cm^2) |
|----------------|-----------------|------------------------------|---------------------|------------|-------------------------|-----------------|
| GFSK<br>1 Mbps | 2 402           | 5.48                         | 7.54                | 12.57      | 0.011 436               | 1.00            |
|                | 2 440           | 5.54                         | 7.60                | 12.63      | 0.011 595               | 1.00            |
|                | 2 480           | 5.53                         | 7.59                | 12.62      | 0.011 568               | 1.00            |
| GFSK<br>2 Mbps | 2 402           | 2.63                         | 7.50                | 12.53      | 0.011 343               | 1.00            |
|                | 2 440           | 2.72                         | 7.59                | 12.62      | 0.011 580               | 1.00            |
|                | 2 480           | 2.73                         | 7.60                | 12.63      | 0.011 607               | 1.00            |

Note 1): Average Power(dBm) = Measured Average Power(dBm) + D.C.C.F(dB)

Note 2): Measured Average Power was tested by Power meter & sensor(VBW = 50 MHz)

Note 3): EIRP(dBm) = Average Power(dBm) + Antenna Gain(5.03 dBi)

Note 4): Distance(cm) = 20 cm

#### 1.4 RF Exposure Compliance Issue

Therefore, EUT is not required the SAR Evaluation.

- End -