# TEST REPORT

**Product Name : Atlas**
**Model Number : Atlas 1.0**
**FCC ID : 2BXKE-ATLAS1**

| | | |
|---|---|---|
| Prepared for | : | Occam BCI Inc. |
| Address | : | 1209 Orange Street, Wilmington, DE 19801, USA |
| Prepared by | : | EMTEK (DONGGUAN) CO., LTD. |
| Address | : | 1&2/F.,Building 2, Zone A, Zhongda Marine Biotechnology Research and Development Base, No.9, Xincheng Avenue, Songshanhu High-technology Industrial Development Zone, Dongguan, Guangdong, China<br><br>TEL: +86-0769-22807078<br>FAX: +86-0769-22807079 |

| | | |
|---|---|---|
| Report Number | : | EDG2607200271E00202R |
| Date of sample receipt | : | July 20, 2026 |
| Date(s) of Tests | : | July 20, 2026 to August 10, 2026 |
| Date of issue | : | August 11, 2026 |

# Table of Contents

1. TEST RESULT CERTIFICATION ..... 3
2. EUT SPECIFICATION ..... 5
3. TEST REQUIREMENT ..... 6
4. MEASUREMENT RESULT ..... 7

# 1. TEST RESULT CERTIFICATION

| | | |
|---|---|---|
| Applicant | : | Occam BCI Inc. |
| Address | : | 1209 Orange Street, Wilmington, DE 19801, USA |
| Manufacturer | : | Occam BCI Inc. |
| Address | : | 1209 Orange Street, Wilmington, DE 19801, USA |
| Factory | : | JDI Electronics Factory |
| Address | : | Sima Industrial Zone, Sima Village, Chang Ping Town, Dongguan 523570, Guangdong, China |
| EUT | : | Atlas |
| Model Name | : | Atlas 1.0 |
| Trademark | : | N/A |

Measurement Procedure Used:

| APPLICABLE STANDARDS | |
|---|---|
| **STANDARD** | **TEST RESULT** |
| § 15.247(i), § 2.1093 | **PASS** |

The above equipment was tested by EMTEK (DONGGUAN) CO., LTD. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2020) and the energy emitted by the sample EUT tested as described in this report is in compliance with the requirements of FCC Rules FCC § 15.247(i), § 2.1093.

The test results of this report relate only to the tested sample identified in this report

Date of Test : July 20, 2026 to August 10, 2026

Prepared by : Jessica Zhang /Editor

Reviewer : Warren Deng /Supervisor

Approve & Authorized Signer : Sam Lv / Manager

# Modified History

| Version | Report No. | Revision Date | Summary |
|---|---|---|---|
| | EDG2607200271E00202R | / | Original Report |
| | | | |
| | | | |

## 2. EUT Specification

| Characteristics | Description |
|---|---|
| **Product Name:** | Atlas |
| **Model Number:** | Atlas 1.0 |
| **Sample:** | E2607200271-01 |
| **Device Type:** | BLE |
| **Data Rate:** | 1Mbps for GFSK modulation<br>2Mbps for GFSK modulation |
| **Modulation:** | GFSK |
| **Operating Frequency Range(s) :** | 2402-2480MHz |
| **Number of Channels:** | 40 channels |
| **Transmit Power Max:** | 6.00 dBm(0.003981 W) |
| **Antenna Gain:** | -6.4 dBi |
| **Power supply:** | DC 5V from USB<br>DC 3.7V from battery |
| **Evaluation applied:** | ☐ MPE Evaluation<br>☒ SAR Evaluation |

# 3. Test Requirement

## SAR Evaluation

According to 447498 D01 V06, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

[(*max. power of channel, including tune-up tolerance, mW*)/(*min. test separation distance, mm*)] · [$\sqrt{f_{(GHz)}}$] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,[24] where

- $f_{(GHz)}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation[25]
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to quality for TCB approval.
One antenna is available for the EUT. The minimum separation distance is 5mm.

# 4. Measurement Result

Antenna gain: -6.4 dBi

| Transmit Frequency (MHz) | Mode | Measured Power (dBm) | Tune up Power (dBm) | Max tune up power (dBm) | Calculation Result | Calculation threshold(1-g SAR) |
|---|---|---|---|---|---|---|
| 2402 | GFSK(1M) | 5.12 | 5±1 | 6 | 1.2340 | 3 |
| 2440 | GFSK(1M) | 5.40 | 5±1 | 6 | 1.2437 | 3 |
| 2480 | GFSK(1M) | 6.00 | 6±1 | 7 | 1.5785 | 3 |
| 2402 | GFSK(2M) | 5.22 | 5±1 | 6 | 1.2340 | 3 |
| 2440 | GFSK(2M) | 5.45 | 5±1 | 6 | 1.2437 | 3 |
| 2480 | GFSK(2M) | 5.96 | 6±1 | 7 | 1.5785 | 3 |

According to KDB 447498 D01 V06, no stand-alone required for BLE antenna, and no simultaneous SAR measurement is required.

*** End of Report ***