



# RF Exposure Evaluation Report

APPLICANT : Finch Technologies Ltd.  
EQUIPMENT : 6DoF VR controller  
BRAND NAME : FinchShift  
MODEL NAME : FINCHSHIFT TOUCHPAD CONTROLLER  
MARKETING NAME : FinchShift  
FCC ID : 2AUGA-FNCH6DOF  
STANDARD : FCC 47 CFR Part 2 (2.1093)  
FCC KDB 447498 D01 v06

We, Sporton International (Shenzhen) Inc., would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1093 and KDB 447498 D01 v06, and pass the limit. Without written approval of Sporton International (Shenzhen) Inc., the test report shall not be reproduced except in full.

*Mark Qu*

Approved by: Mark Qu / Manager



**Sporton International (Shenzhen) Inc.**

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Guangdong Province 518055, China**



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**Revision History**

| REPORT NO. | VERSION | DESCRIPTION             | ISSUED DATE   |
|------------|---------|-------------------------|---------------|
| FA912208   | Rev. 01 | Initial issue of report | Jun. 01, 2019 |
|            |         |                         |               |
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**1. Administration Data****1.1. Testing Laboratory**

| Testing Laboratory |                                                                                                                                                                               |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Site          | Sporton International (Shenzhen) Inc.                                                                                                                                         |
| Test Site Location | 1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen City, Guangdong Province 518055, China<br>TEL: +86-755-8637-9589<br>FAX: +86-755-8637-9595 |

| Applicant    |                                                                           |
|--------------|---------------------------------------------------------------------------|
| Company Name | Finch Technologies Ltd.                                                   |
| Address      | Vistra Corporate Services, Wickhams Cay II, Road Town, Tortola, VG.VG1110 |

| Manufacturer |                                                       |
|--------------|-------------------------------------------------------|
| Company Name | Shenzhen Kaifa Technology Co., Ltd.                   |
| Address      | 7006, Caitian Rd., Futian Dist., Shenzhen, 518035 PRC |

## **2. Description of Equipment Under Test (EUT)**

| Product Feature & Specification                                                                                                                             |                                |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|
| EUT Type                                                                                                                                                    | 6DoF VR controller             |
| Brand Name                                                                                                                                                  | FinchShift                     |
| Model Name                                                                                                                                                  | FINCHSHIFT TOUCHPAD CONTROLLER |
| Marketing Name                                                                                                                                              | FinchShift                     |
| FCC ID                                                                                                                                                      | 2AUGA-FNCH6DOF                 |
| Wireless Technology and Frequency Range                                                                                                                     | Bluetooth: 2402 ~ 2480 MHz     |
| Mode                                                                                                                                                        | Bluetooth LE                   |
| Antenna Type                                                                                                                                                | FPCB IFA Antenna               |
| Antenna Gain                                                                                                                                                | 1.1 dBi                        |
| HW Version                                                                                                                                                  | M6                             |
| SW Version                                                                                                                                                  | 2.0.17                         |
| EUT Stage                                                                                                                                                   | Production Unit                |
| <b>Remark:</b> The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description. |                                |



**3. Maximum RF average output power among production units**

| Mode         | Maximum Average Power (dBm) |
|--------------|-----------------------------|
| Bluetooth LE | 0.50                        |

#### **4. Radio Frequency Radiation Exposure Evaluation**

| Mode             | Average power(dBm) |
|------------------|--------------------|
|                  | Bluetooth LE       |
| 2.4GHz Bluetooth | 0.50               |

**Note:**

Per KDB 447498 D01v06, 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:

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

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

| Bluetooth Max Power (dBm) | Separation Distance (mm) | Frequency (GHz) | Exclusion Thresholds |
|---------------------------|--------------------------|-----------------|----------------------|
| 0.50                      | < 5                      | 2.48            | 0.4                  |

**Note:**

Per KDB 447498 D01v06, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.4 which is ≤ 3, SAR testing is not required.

#### **Conclusion:**

Bluetooth SAR testing is not required.