

# RF Exposure Evaluation Report

FCC ID : NM82QB9100  
Equipment : Wrist Tracker  
Brand Name : VIVE  
Model Name : 2QB9100  
Applicant : HTC Corporation  
No.88, Sec. 3, Zhongxing Rd., Xindian Dist.,  
New Taipei City 231, Taiwan (R.O.C.)  
Manufacturer : HTC Corporation  
No.23, Xinghua Rd., Taoyuan District,  
Taoyuan City, Taiwan 330  
Standard : 47 CFR Part 2.1093

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part 2.1093 and it complies with applicable limit.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC evaluation.

The results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full



Approved by: Cona Huang / Deputy Manager



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## **Revision History**

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA192413	Rev. 01	Initial issue of report	Nov. 18, 2021



## **1. General Information**

### **1.1 Description of Device Under Test (DUT)**

Product Feature & Specification	
DUT Type	Wrist Tracker
Brand Name	VIVE
Model Name	2QB9100
FCC ID	NM82QB9100
Wireless Technology and Frequency Range	2.4GHz Proprietary Radio: 2400 MHz ~ 2483.5 MHz
Mode	2.4GHz Proprietary Radio
Antenna Type	PIFA Antenna
DUT Stage	Production Unit

**Remark:** The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

**Reviewed by:** Jason Wang

**Report Producer:** Carlie Tsai

## **2. Maximum RF output power among production units**

Band / Mode	Average Power (dBm)
2.4GHz Proprietary Radio	4

## **3. RF Exposure Evaluation**

2.4GHz Proprietary Radio Max Power (dBm)	mW	Separation Distance (mm)	Frequency (GHz)	Exclusion Thresholds
4	2.51	5	2.48	0.8

**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*  $\leq 50$  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  $\leq 7.5$  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

### **Conclusion:**

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 0.8 which is  $\leq 7.5$ , SAR testing is not required.