

## RF Exposure Report

**Report No.:** SA180828D01

**FCC ID:** QE9Q17

**Test Model:** Q17

**Received Date:** Aug. 28, 2018

**Test Date:** Sep. 6 ~ Oct. 2, 2018

**Issued Date:** Oct. 30, 2018

**Applicant:** Quuppa Oy

**Address:** Keilaranta 1 2nd floor 02150 Espoo, Finland

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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**FCC Registration /  
Designation Number:** 198487 / TW2021



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### Release Control Record

Issue No.	Description	Date Issued
SA180828D01	Original release.	Oct. 30, 2018

## 1 Certificate of Conformity

**Product:** Locator  
**Brand:** Quuppa  
**Test Model:** Q17  
**Sample Status:** Engineering sample  
**Applicant:** Quuppa Oy  
**Test Date:** Sep. 6 ~ Oct. 2, 2018  
**Standards:** FCC Part 2 (Section 2.1091)  
KDB 447498 D01 General RF Exposure Guidance v06  
IEEE C95.1-1992

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

**Prepared by :** Annie Chang, **Date:** Oct. 30, 2018  
Annie Chang / Senior Specialist

**Approved by :** Rex Lai, **Date:** Oct. 30, 2018  
Rex Lai / Associate Technical Manager

## 2 RF Exposure

### 2.1 Limits For Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm <sup>2</sup> )	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

### 2.2 MPE Calculation Formula

$$Pd = (Pout * G) / (4 * pi * r^2)$$

where

Pd = power density in mW/cm<sup>2</sup>

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 3.1416

R = distance between observation point and center of the radiator in cm

### 2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as **Mobile Device**.

#### 2.4 Calculation Result Of Maximum Conducted Power

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
2401 ~ 2481	1.56	0	20	0.0003	1
2402 ~ 2480	3.08	0	20	0.0004	1

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