

## RF Exposure Report

**Report No.:** SABDKG-WTW-P21060167

**FCC ID:** JNZVR0028

**Test Model:** VR0028

**Received Date:** June 21, 2021

**Test Date:** June 25 to 30, 2021

**Issued Date:** Aug. 10, 2021

**Applicant:** Logitech Far East Ltd

**Address:** 7700 Gateway Boulevard Newark California United States

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

**Lab Address:** E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300,  
Taiwan

**Test Location:** E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300,  
Taiwan

**FCC Registration /  
Designation Number:** 723255 / TW2022



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### Release Control Record

Issue No.	Description	Date Issued
SABDKG-WTW-P21060167	Original release.	Aug. 10, 2021

## 1 Certificate of Conformity

**Product:** TAP Scheduler  
**Brand:** Logitech  
**Test Model:** VR0028  
**Sample Status:** Engineering sample  
**Applicant:** Logitech Far East Ltd  
**Test Date:** June 25 to 30, 2021  
**Standards:** FCC Part 2 (Section 2.1091)  
KDB 447498 D01 General RF Exposure Guidance v06

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 EMC characteristics under the conditions specified in this report.

**Prepared by :** Phoenix Huang, **Date:** Aug. 10, 2021  
Phoenix Huang / Specialist

**Approved by :** Clark Lin, **Date:** Aug. 10, 2021  
Clark Lin / 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				
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f <sup>2</sup> )*	30
30-300	27.5	0.073	0.2	30
300-1500	...	...	f/1500	30
1500-100,000	...	...	1.0	30

f = Frequency in MHz ; \*Plane-wave equivalent power density

### 2.2 MPE Calculation Formula

$$P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = 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 20 cm away from the body of the user. So, this device is classified as **Mobile Device**.

### 2.4 Antenna Gain

Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type
FIH	S0A260020A0	3	2.4~2.4835	Monopole	None
		4.06	5.15~5.25		
		3.99	5.25~5.35		
		2.95	5.47~5.725		
		1.9	5.725~5.85		

\*The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

## 2.5 Calculation Result of Maximum Conducted Power

Operation Mode	Evaluation Frequency (MHz)	Max. Average Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
WLAN (2.4GHz)	2412~2462	146.893	3	20	0.05831	1
WLAN (U-NII-1)	5180~5240	98.628	4.06	20	0.04997	1
WLAN (U-NII-2A)	5260~5320	99.312	3.99	20	0.04951	1
WLAN (U-NII-2C)	5500~5720	91.833	2.95	20	0.03604	1
WLAN (U-NII-3)	5745~5825	93.541	1.9	20	0.02882	1
BT-EDR	2402~2480	3.516	3	20	0.0014	1
BT-LE	2402~2480	1.556	3	20	0.00062	1

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

### Conclusion:

The formula of calculated the MPE is:

$$CPD1 / LPD1 + CPD2 / LPD2 + \dots \text{etc.} < 1$$

CPD = Calculation power density

LPD = Limit of power density

$$\text{WLAN (2.4GHz) + WLAN (5GHz)} = 0.05831 / 1 + 0.04997 / 1 = 0.10828$$

$$\text{WLAN (2.4GHz) + Bluetooth} = 0.05831 / 1 + 0.0014 / 1 = 0.05971$$

$$\text{WLAN (5GHz) + Bluetooth} = 0.04997 / 1 + 0.0014 / 1 = 0.05137$$

Therefore the maximum calculations of above situations are less than the "1" limit.

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