RF Exposure Report

Report No.: SABHQC-WTW-P20110715

FCC ID: 2AYDXSCMAA1

Test Model: SCMAA1

Series Model: SCMBA1

Received Date: Nov. 23, 2020

Test Date: Dec. 11, 2020 to Jan. 4, 2021

Issued Date: Jan. 6, 2021

Applicant: Merlyn Mind, Inc.

Address: 405 Lexington Avenue, Suite 3504, New York, NY 10174, USA

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

Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan

FCC Registration / Designation Number: 198487 / TW2021

Testing Laboratory
2021

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Release Control Record

Issue No.	Description	Date Issued
SABHQC-WTW-P20110715	Original release.	Jan. 6, 2021

1 Certificate of Conformity

Product:	Symphony Classroom AI Enabled Classroom Hub
Brand:	Symphony Classroom™
Test Model:	SCMAA1
Series Model:	SCMBA1
Sample Status:	Engineering sample
Applicant:	Merlyn Mind, Inc.
Test Date:	Dec. 11, 2020 to Jan. 4, 2021
Standards:	FCC Part 2 (Section 2.1091) IEEE C95.3 -2002
References Test Guidance:	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 RF characteristics under the conditions specified in this report.

Prepared by : Annie Chang , **Date:** Jan. 6, 2021

Annie Chang / Senior Specialist

Approved by : Rex. Lai , **Date:** Jan. 6, 2021

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^2)	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^2

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**.

3 Calculation Result of Maximum Conducted Power

Frequency Band (MHz)	Max Average Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
5180-5240 (WLAN)	23.56	8.19	20	0.2977	1
5260-5320 (WLAN)	23.54	8.19	20	0.2963	1
5500-5720 (WLAN)	23.98	8.19	20	0.3279	1
5745-5825 (WLAN)	24.41	8.19	20	0.3620	1
2412-2462 (WLAN)	25.43	6.16	20	0.2869	1
2402-2480 (BTLE)	4.99	3.46	20	0.0014	1
2402-2480 (BT EDR)	5.84	3.46	20	0.0017	1

Note:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. 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.
3. Directional gain (WLAN 5.0GHz) = 10 $\log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}]$=8.19dBi.
   Directional gain (WLAN 2.4GHz) = 10 $\log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}]$=6.16dBi.
4. All RF characteristics can't transmit simultaneously.

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