RF Exposure Report

Report No.: SABEMN-WTW-P21010197 R1

FCC ID: NJC-FLY5M02

Test Model: FL-Y5M02

Received Date: Jan. 7, 2021

Test Date: Feb. 1 to Apr. 14, 2021

Issued Date: Aug. 4, 2021

Applicant: Foxlink Image Technology Co., Ltd.

Address: No.49, Sec. 4, Jhongyang Rd., Tucheng District, New Taipei City, Taiwan

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

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Release Control Record

Issue No.	Description	Date Issued
SABEMN-WTW-P21010197	Original release.	May 3, 2021
SABEMN-WTW-P21010197 R1	Modify applicant.	Aug. 4, 2021

1 Certificate of Conformity

Product:	RF module
Brand:	brother
Test Model:	FL-Y5M02
Sample Status:	Engineering sample
Applicant:	Foxlink Image Technology Co., Ltd.
Test Date:	Feb. 1 to Apr. 14, 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 RF characteristics under the conditions specified in this report.

Prepared by : Annie Chang , **Date:** Aug. 4, 2021

Annie Chang / Senior Specialist

Approved by : Rex. Lai , **Date:** Aug. 4, 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				
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	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

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

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**.

2.4 Calculation Result Of Maximum Conducted Power

Frequency Band (MHz)	Max AV Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
2412-2462	17.84	2.6	20	0.0220	1
5180-5240	18.09	3.3	20	0.0274	1
5260-5320	18.09	3.3	20	0.0274	1
5500-5700	18.02	3.3	20	0.0270	1
5745-5825	18.08	3.3	20	0.0273	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. WLAN 2.4GHz + WLAN 5GHz technologies can not transmit at same time.

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