FCC 47 CFR PART 15 SUBPART C 15.247

TEST REPORT

FOR

PHASE RECEIVER

Model : M0501

Issued to

MWM
54 avenue du General Leclerc, 92100, Boulogne Billancourt, France

Issued by
WH Technology Corp.

Open Site		**No.120, Ln. 5, Hudong St., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)**
EMC Test Site	**Xizhi Office and Lab**	**7F., No.262, Sec. 3, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)**
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1. GENERAL INFORMATION

Applicant	:	**MWM**
Address	:	**54 avenue du General Leclerc, 92100, Boulogne Billancourt, France**
Manufacturer	:	**Top-Up Industry Corporation**
Address	:	**8F, NO.189, YUNG AN RD., TAOYUAN DIST., TAOYUAN CITY, 33054 TAIWAN**
Factory	:	**Top-Up Industry Corporation**
Address	:	**8F, NO.189, YUNG AN RD., TAOYUAN DIST., TAOYUAN CITY, 33054 TAIWAN**
EUT	:	**Phase Receiver**
Model Name	:	**M0501**
Trade Name	:	**MWM**
Model Differences	:	**N/A**

Is here with confirmed to comply with the requirements set out in the FCC Rules and Regulations Part 15 Subpart C and the measurement procedures were according to ANSI C63.10-2013. The said equipment in the configuration described in this report shows the maximum emission levels emanating

FCC part 15 Subpart C

Receipt Date : 21/03/2019 Final Test Date :11/04/2019

Tested By: **Reviewed by:**

April 29, 2019
(Date)

Bing Chang/ Engineer

April 29, 2019
(Date)

Bell Wei / Manager
Designation Number: TW2954

EUT Specification

EUT:	Phase Receiver
M/N:	M0501
FCC ID:	2ARK6-M0501
Frequency band:(Operating)	☒ 2.402GHz~2.480GHz
Device category:	☒ Mobile (>20cm separation)
Antenna diversity:	☒ Single antenna
Antenna Type:	PCB Antenna
Antenna gain:	0dBi
Evaluation applied:	☒ MPE Evaluation ☐ SAR Evaluation

Limits for Maximum Permissible Exposure (MPE)

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density(mW/cm2)	Average Time
(A) Limits for Occupational/Control Exposures				
300-1500	--	--	F/300	6
1500-1	--	--	5	6
(B) Limits for General Population/Uncontrol Exposures				
300-1500	--	--	F/1500	6
1500-100000	--	--	1	30

Friis transmission formula: Pd=(Pout*G)\(4*pi*R^2)

Where
Pd= Power density in mW/cm2
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
Pd the limit of MPE, 1mW/cm2. If we know the maximum gain of the antenna and total power input to the antenna, through the calculation, we will know the distance where the MPE limit is Reached.

Measurement Result

Channel	Channel Frequency (MHz)	Max Output power (dBm)	Antenna gain	Max Tune-UP power (mW)	Power density at 20cm (mW/cm^2)	Power density Limits (mW/cm2)
GFSK						
Low	2402	3.886	0dBi	2.446	0.000486	1
Middle	2440	5.675	0dBi	3.694	0.000734	1
High	2480	6.281	0dBi	4.247	0.000844	1

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