Shenzhen Most Technology Service Co., Ltd.
No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.

RF Exposure Evaluation Repor

Report Reference No..... :	**MTEB23040043-H**	
FCC ID..... :	**UH2-GMEV80B**	
Compiled by (position+printed name+signature).. :	File administrators Alisa Luo	
Supervised by (position+printed name+signature).. :	Test Engineer Sunny Deng	
Approved by (position+printed name+signature).. :	Manager Yvette Zhou	
Date of issue.....:	**April 13,2023**	
Representative Laboratory Name. :	**Shenzhen Most Technology Service Co., Ltd.**	
Address..... :	No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China.	
Applicant's name.....:	**Cooper Wiring Devices Inc**	
Address..... :	203 Cooper Circle,Peachtree City,Georgia,United States,30269	
Test specification/ Standard.....**:**	**47 CFR Part 1.1307** **47 CFR Part 1.1310** **KDB447498D01 General RF Exposure Guidance v06**	
TRF Originator.....:	Shenzhen Most Technology Service Co., Ltd.	

Test item description.....:	Ac charging pile
Trade Mark.....:	Eaton
Manufacturer.....:	Xiamen Joint Tech. Co., Ltd.
Model/Type reference..... :	GMEV80CMC1B-BWS
Listed Models ..... :	GMEV80CMZ1B-XXY(Z stands for communication mode; XX stands for connection mode; Y stands for connection platform)
Modulation Type..... :	ASK
Operation Frequency..... :	13.56MHz
Hardware Version.....:	N1-3P2
Software Version.....:	N1-3P2_C
Rating.....:	AC240V/60Hz
Result.....:	**PASS**

T E S T R E P O R T

Equipment under Test	:	Ac charging pile
Model /Type	:	GMEV80CMC1B-BWS
Listed Models	:	GMEV80CMZ1B-XXY(Z stands for communication mode; XX stands for connection mode; Y stands for connection platform)
Remark		Only the difference without 4G module,The only difference is that there is no 4G module. This test uses a prototype with a 4G module for testing
Applicant	:	Cooper Wiring Devices Inc
Address	:	203 Cooper Circle,Peachtree City,Georgia,United States,30269
Manufacturer	:	Xiamen Joint Tech. Co., Ltd.
Address	:	Building #1,No. 268 HouXiang Rd,Xinyang Industrial Park,Haicang District,XIAMEN Fujian 361000

Test Result:	**PASS**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2023-04-13	Initial Issue	Alisa Luo

2. SAR Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06
4.3.1. Standalone SAR test exclusion considerations
Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

2.1.2 Limits

According to FCC Part1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in part1.1307(b)

TABLE 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)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3–3.0	614	1.63	*(100)	6
3.0–30	1842/f	4.89/f	*(900/f^2)	6
30–300	61.4	0.163	1.0	6
300–1500	.....	.....	f/300	6
1500–100,000	.....	.....	5	6
(B) 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
Friis Formula
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 id the limit of MPE, 1 mW/cm2 . If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

2.1.3 EUT RF Exposure

Antenna Gain: 3dBi

Low power, not evaluated

.....THE END OF REPORT.....