Shenzhen Most Technology Service Co., Ltd.
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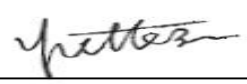
Hi-tech Industry Park, Nanshan,Shenzhen,Guangdong,China

RF Exposure Evaluation Report

Report Reference No..... :	**MTEB24120256-H**	
FCC ID..... :	**2A2RN-ACEVCJTSE**	
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..... :	**Dec.19,2024**	
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..... :	**Xiamen Joint Tech. Co., Ltd**	
Address..... :	Building #1,No.268 HouXiang Rd,Xinyang,Industrial Park, Haicang District,XIAMEN,Fujian,China.	
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.....:	Electric Vehicle AC Charger
Trade Mark..... :	JTSE
Model/Type reference..... :	JTSE-11748W2
Listed Models ..... :	JTSE-117XXWYY (XX stands for Electric current 32,48;YY stands for 1,2;)
Modulation Type..... :	ASK
Operation Frequency..... :	13.56MHz
Hardware Version.....	V1.4
Software Version.....	V1.0.9.1
Rating..... :	AC 240V/60Hz
Result..... :	**PASS**

T E S T R E P O R T

Equipment under Test	:	Electric Vehicle AC Charger
Model /Type	:	JTSE-11748W2
Listed Models		JTSE-117XXWYY (XX stands for Electric current 32,48;YY stands for 1,2;)
Remark		Difference in input voltage and current.
Applicant	:	**Xiamen Joint Tech. Co., Ltd**
Address	:	Building #1,No.268 HouXiang Rd,Xinyang,Industrial Park,Haicang District,XIAMEN,Fujian,China.
Manufacturer	:	**Xiamen Joint Tech. Co., Ltd**
Address	:	Building #1,No.268 HouXiang Rd,Xinyang,Industrial Park,Haicang District,XIAMEN,Fujian,China.

Test Result:	**PASS**

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2024-12-19	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)

For frequencies below 100 MHz, the following may be considered for SAR test exclusion (also illustrated in Appendix C): 33
1) For test separation distances > 50 mm and < 200 mm, the power threshold at the corresponding test separation distance at 100 MHz in step b) is multiplied by [1 + log(100/f(MHz))]
2) For test separation distances ≤ 50 mm, the power threshold determined by the equation in c) 1) for 50 mm and 100 MHz is multiplied by ½
3) SAR measurement procedures are not established below 100 MHz.
When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any SAR test results below 100 MHz to be acceptable.34

2.1.3 EUT RF Exposure

For 13.56MHz wireless:
Field strength=78.4dBuV/m
EIRP =78.4dBuV/m-95.2+6= -10.8dBm

Channel	EIRP	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Power Density at R = 20 cm (mW/cm2)	Limit	Result
13.56 MHz	-10.8dBm	±1	-9.8	0.105	0.000021	0.9789	Pass

Note: 1) Refer to report MTEB24050211-R for EUT test Max Conducted average Output Power value.
Note: 2) Pd = (EIRP)/(4* Pi * R^2)=(0.105)/(4*3.1416*20^2)=0.000021

Contains FCCID: XMR2023FCS960K

5. Radio Frequency Radiation Exposure Evaluation

5.1. Standalone Power Density Calculation

Band	Frequency (MHz)	Antenna Gain (dBi)	Maximum Power (dBm)	Maximum EIRP (dBm)	Average EIRP (mW)	Power Density at 20cm (mW/cm^2)	Limit (mW/cm^2)
Bluetooth	2402.0	0.73	6.00	6.730	4.710	0.001	1.000
2.4GHz WLAN	2412.0	0.73	20.00	20.730	118.304	0.024	1.000
5.2GHz WLAN	5180.0	1.14	19.00	20.140	103.276	0.021	1.000
5.3GHz WLAN	5260.0	1.00	19.00	20.000	100.000	0.020	1.000
5.5GHz WLAN	5500.0	0.60	19.00	19.600	91.201	0.018	1.000
5.8GHz WLAN	5745.0	0.95	19.00	19.950	98.855	0.020	1.000

Note:
1. For conservativeness, the lowest frequency of each band is used to determine the MPE limit of that band.
2. Chose the maximum power to do MPE analysis.
3. According to the EUT characteristic, WLAN 2.4GHz and WLAN 5GHz cannot transmit simultaneously.
4. According to the EUT characteristic, WLAN and Bluetooth cannot transmit simultaneously.

Conclusion:

According to 47 CFR §2.1091, the RF exposure analysis concludes that the RF Exposure is FCC compliant.

Simultaneous TX（NFC+2.4G）

Mode	Power Density(mW/m^2)		Conclusion
	Reaults	Limit	
Simultaneous TX	0.024	1.0	PASS

$$\sum_{i=1}^{a}\frac{P_i}{P_{\mathrm{th},i}}+\sum_{j=1}^{b}\frac{ERP_j}{ERP_{\mathrm{th},j}}+\sum_{k=1}^{c}\frac{Evaluated_k}{Exposure\ Limit_k}\le 1$$

Reaults（NFC+2.4G）=0.000021/0.9789+0.024/1=0.024

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