

RF EXPOSURE EVALUATION REPORT

Report No.: SHE24050063-01CE

Date: 2024-07-12

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Applicant : Suzhou Secote Precision Electronic Co.,Ltd.
Address of Applicant : No. 585, Songjia Road, Guoxiang Street, Suzhou, Jiangsu, China

Product Name : EDS Fixture
Brand Name : N/A
Model Name : EDS UNIVERSAL BASE V1.0
Sample Acquisition Method : Sent by Client
Sample No. : E24050063-01#01

FCC ID : 2A72V-EDS
IC : 28856-EDS
HVIN : EDS UNIVERSAL BASE V1.0

Standard : FCC Part 2.1093
RSS-102 (Issue 6, December 15, 2023)

Date of Receipt : 2024-05-22
Date of Test : 2024-06-15~ 2024-07-05
Date of Issue : 2024-07-12

Remark:

This report details the results of the testing carried out on one sample, the results contained in this report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

Prepared by: Erik Yang (Erik Yang) Reviewed by: Jennifer Zhou (Jennifer Zhou) Approved by: Echo Mu (Authorized signatory: Echo Mu)

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1 General Information

1.1 Testing Laboratory

Company Name	ICAS Testing Technology Service (Shanghai) Co., Ltd.
Address	No.1298, Pingan Road Minhang District, Shanghai, China
Telephone	0086 21-51682999
Fax	0086 21-54711112
Homepage	www.icasiso.com

1.2 Details of Application

Applicant Company Name	Suzhou Secote Precision Electronic Co.,Ltd.
Address	No. 585, Songjia Road, Guoxiang Street, Suzhou, Jiangsu, China
Manufacturer Company Name	Suzhou Secote Precision Electronic Co.,Ltd.
Address	No. 585, Songjia Road, Guoxiang Street, Suzhou, Jiangsu, China

1.3 Details of EUT

Product Name	EDS Fixture
Brand Name	N/A
Test Model Name	EDS UNIVERSAL BASE V1.0
FCC ID	2A72V-EDS
IC	28856-EDS
Operating Frequency	13.56MHz
Modulation Type	ASK
Field Strength	50.46dBuV/m@3m
Antenna Type	PCB Antenna

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2 Assessment methods

FCC RULES

According to KDB 447498 D04 Interim General RF Exposure Guidance v01 Clause 2.1.2 1-mW Test Exemption:

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

ISED RULES

According to Radio Frequency (RF) Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands) RSS-102 (Issue 6, December 15, 2023) Clause 6.3 SAR exemption limits:

Devices operating at or below the applicable output power levels (adjusted for tune-up tolerance) specified in table 11, based on the separation distance, are exempt from SAR evaluation. The separation distance, defined as the distance between the user and/or bystander and the antenna and/or radiating element of the device or the outer surface of the device, shall be less than or equal to 20 cm for these exemption limits to apply.

Table 11: Power limits for exemption from routine SAR evaluation based on the separation distance

Table 11: Power limits for exemption from routine SAR evaluation based on the separation distance

Frequency (MHz)	≤ 5 mm (mW)	10 mm (mW)	15 mm (mW)	20 mm (mW)	25 mm (mW)	30 mm (mW)	35 mm (mW)	40 mm (mW)	45 mm (mW)	> 50 mm (mW)
≤ 300	45	116	139	163	189	216	246	280	319	362
450	32	71	87	104	124	147	175	208	248	296
835	21	32	41	54	72	96	129	172	228	298
1900	6	10	18	33	57	92	138	194	257	323
2450	3	7	16	32	56	89	128	170	209	245
3500	2	6	15	29	50	72	94	114	134	158
5800	1	5	13	23	32	41	54	74	102	128

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3 Conclusion

Units	13.56 MHz
	ASK
Maximum Field strength (dBuV/m)@3m	50.46
EIRP (dBm)	-44.77
Note: This report listed the worst case value, please refer to RF test Report No. SHE24050063-01BE Clause 5.1.4.	

FCC RULES

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance.

EIRP=-44.77dBm=0.000033mW<1mW

So SAR testing is not required. RF exposure Evaluation Results: Compliance.

ISED RULES

EIRP=-44.77dBm=0.000033mW<45mW

So SAR testing is not required. RF exposure Evaluation Results: Compliance.

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4 Appendixes

4.1 Sample Photograph

Refer to the < Photographs of the EUT>

End of the report