

MPE TEST REPORT

Report No.: SHE23120110-01CE

Date: 2024-01-10

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Applicant : Shenzhen Chuangyuan Digital Technology Co., Ltd
Address of Applicant : Building 1, 2nd Floor, Xiazao Village Industrial Zone,
Gaofeng Community, Dalang Street, Longhua District,
Shenzhen

Product Name : BLUETOOTH LOCATOR
Brand Name : N/A
Model Name : Huthur tag
Sample Acquisition Method : Sent by Client
Sample No. : E23120110-01#01

FCC ID : 2BED2-CYTAG

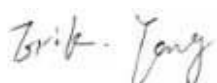
Standards : FCC Part 2.1093

Date of Receipt : 2024-01-08
Date of Test : 2024-01-08 ~ 2024-01-09
Date of Issue : 2024-01-10

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)

Reviewed by:



(Jennifer Zhou)

Approved by:



(Authorized signatory: Echo Mu)

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1 General Information

1.1 Testing Laboratory

Company Name	ICAS Testing Technology Services (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 Environmental Conditions

Temperature (°C)	18-25
Humidity (%RH)	40-65
Barometric Pressure (mbar)	960-1060
Ambient noise & Reflection (W/kg)	< 0.012

1.3 Details of Application

Applicant Company Name	Shenzhen Chuangyuan Digital Technology Co., Ltd
Address	Building 1, 2nd Floor, Xiazao Village Industrial Zone, Gaofeng Community, Dalang Street, Longhua District, Shenzhen
Contact Person	Zhu haijun
Telephone	+86-18165786571
Email	zhuhaijun@szcydt.com
Manufacturer Company Name	Shenzhen Chuangyuan Digital Technology Co., Ltd
Address	Building 1, 2nd Floor, Xiazao Village Industrial Zone, Gaofeng Community, Dalang Street, Longhua District, Shenzhen
Factory Company Name	Shenzhen Chuangyuan Digital Technology Co., Ltd
Address	Building 1, 2nd Floor, Xiazao Village Industrial Zone, Gaofeng Community, Dalang Street, Longhua District, Shenzhen

1.4 Details of EUT

Product Name	BLUETOOTH LOCATOR
Brand Name	N/A
Test Model Name	Huthur tag
FCC ID	2BED2-CYTAG
Operation Frequency	2402MHz ~ 2480MHz
Modulation Type	GFSK
Antenna Type	Ceramic Antenna
Antenna Gain	2.67dBi
RF Output Power	5.68dBm

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Test Voltage	DC 3V by Battery (CR2032)
Hardware version	V1.1
Software version	V1.0.2

2 Assessment methods

For FCC

According to 447498 D01 General RF Exposure Guidance v06

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$$
 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR.

Where $f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation

Operation Frequency (MHz)	RF Output Power (dBm)	Tune-up Power (dBm)	Tune-up Power (mW)	Separation Distance (mm)	RF exposure evaluation SAR	Exclusion Thresholds
2402-2480	5.68	6.00	3.98	5	1.23	3.0

3 Conclusion

Per KDB 447498 D01v06, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is <3.0 , SAR testing is not required. RF exposure Evaluation Results: Compliance

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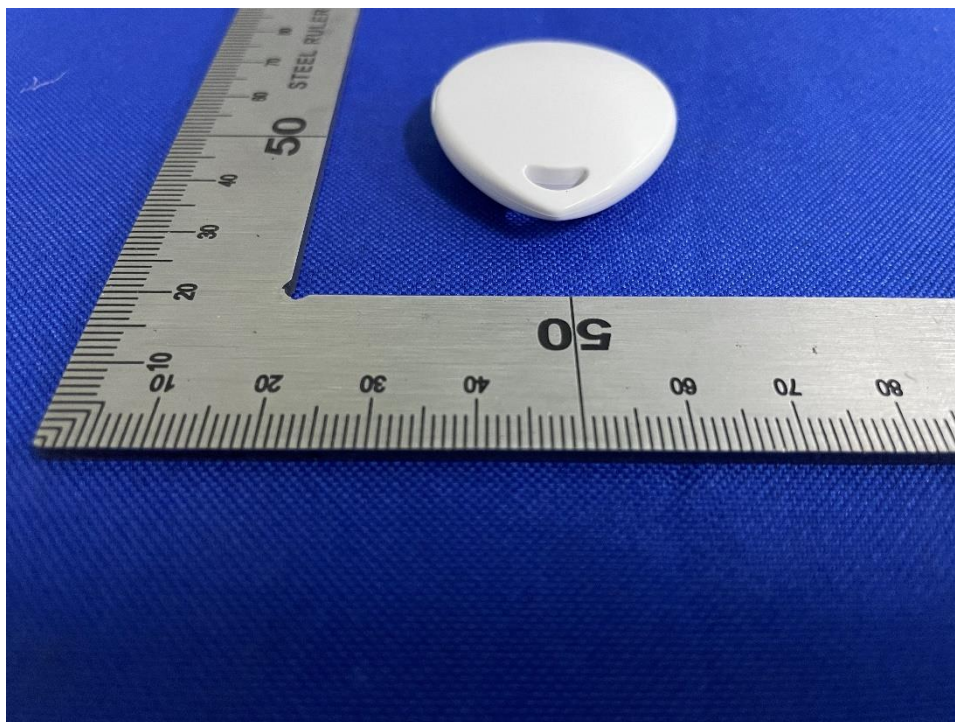
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4 Appendixes

4.1 Sample Photograph



Front of the sample



Back of the sample

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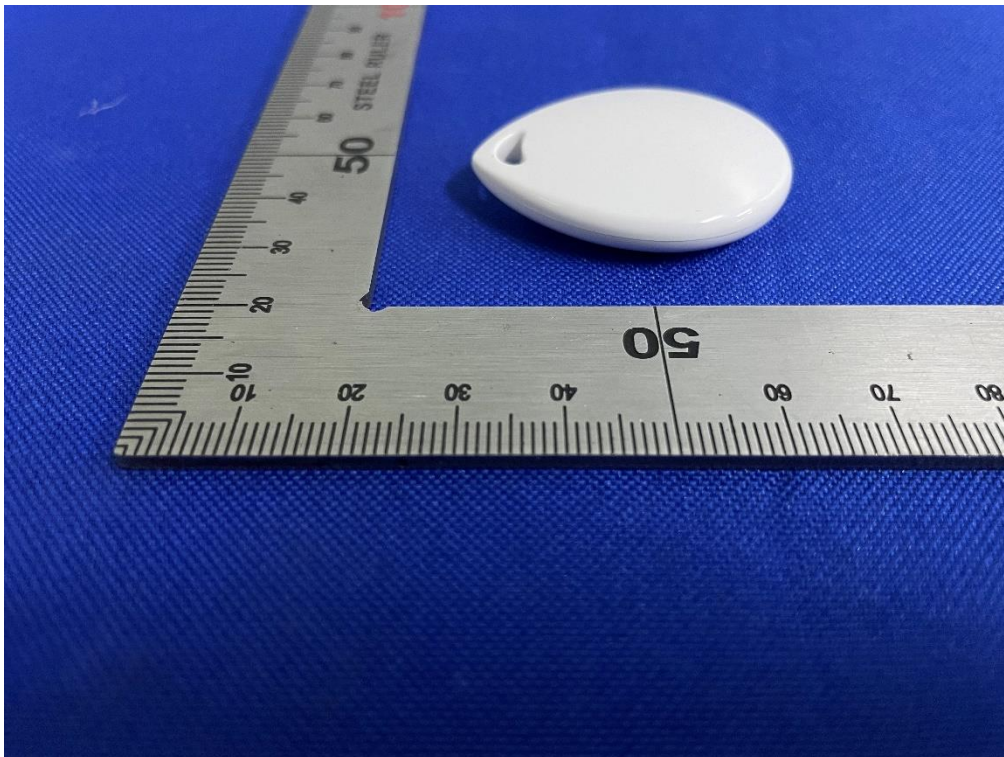
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Left of the sample



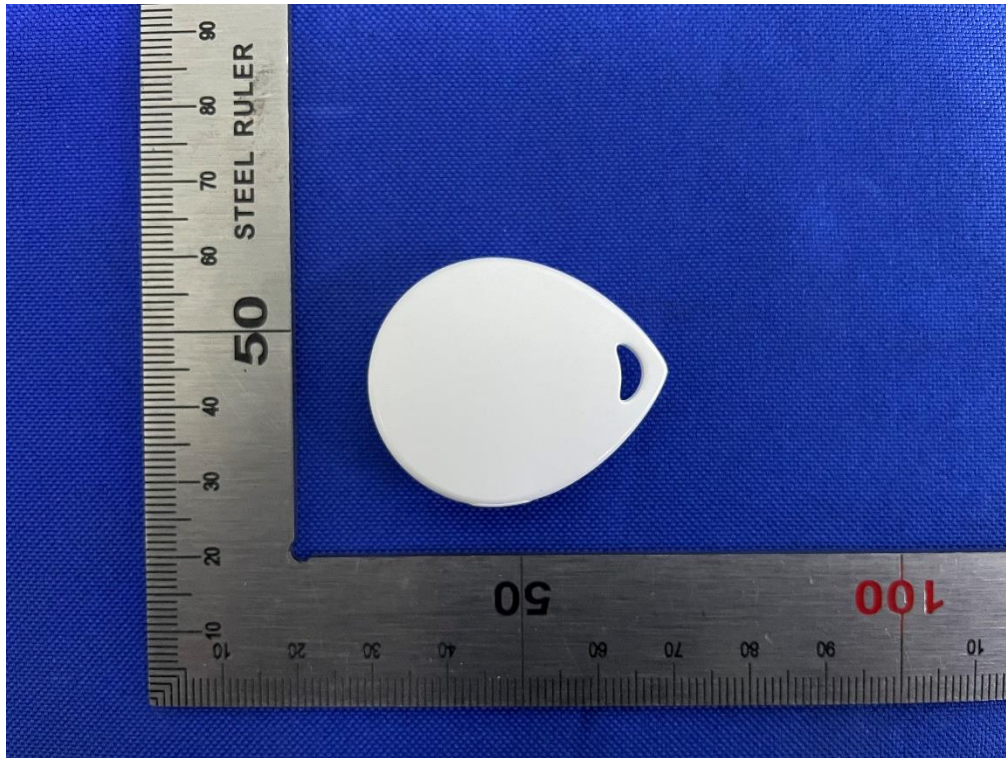
Right of the sample

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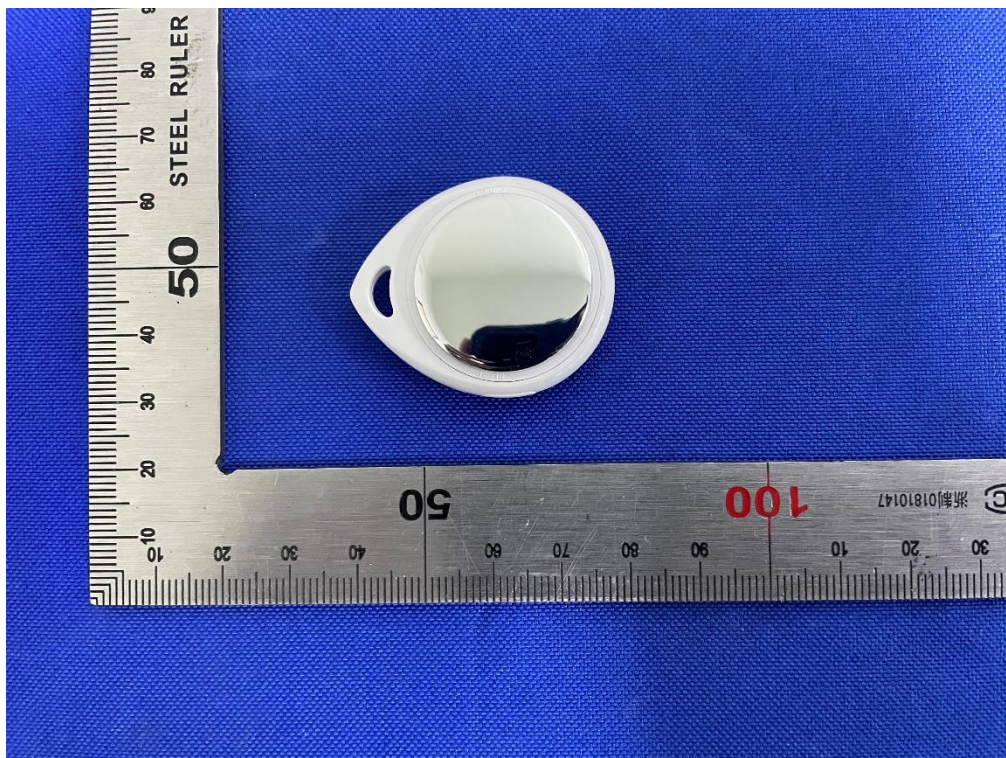
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Top of the sample



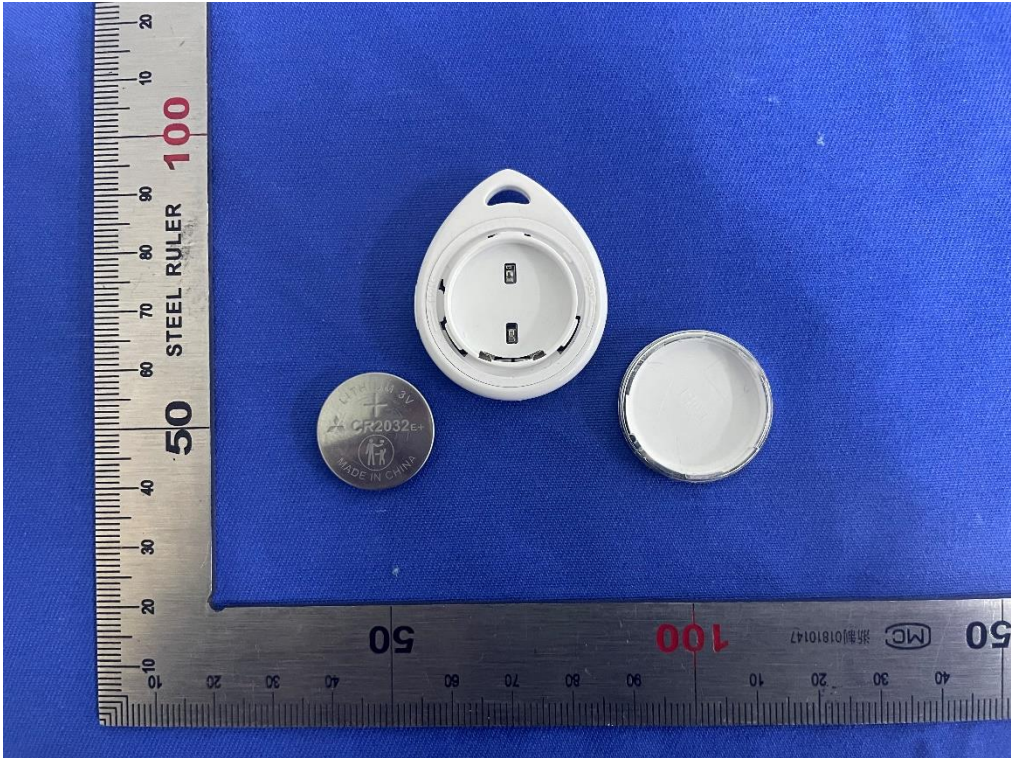
Bottom of the sample

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Open-1 of the sample



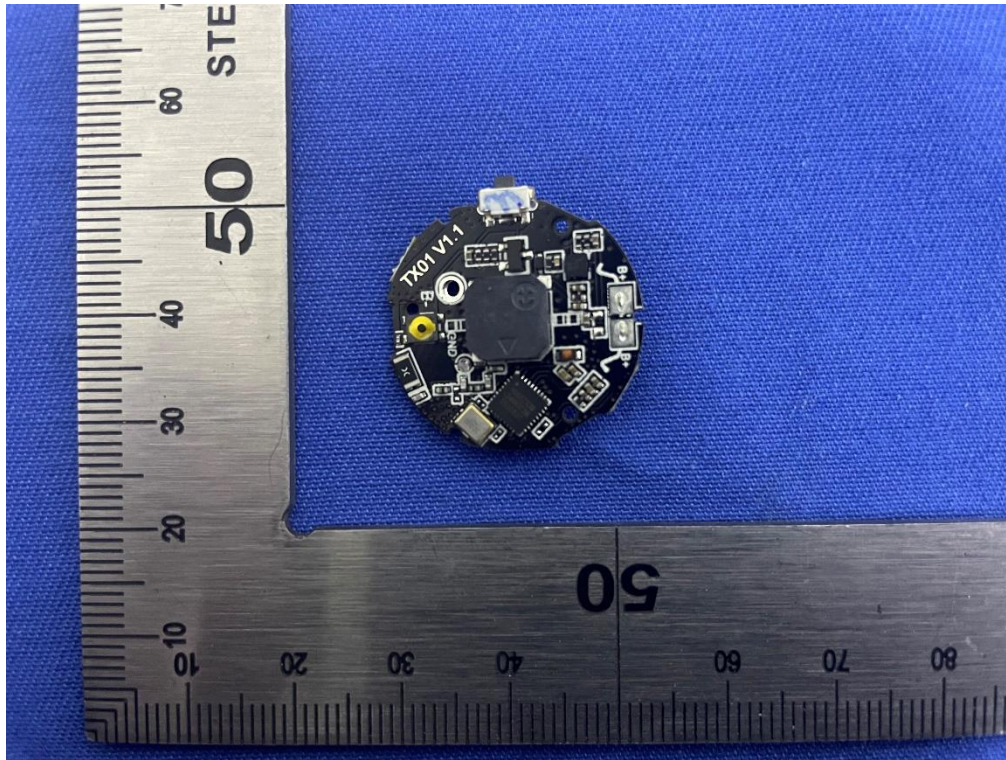
Open-2 of the sample

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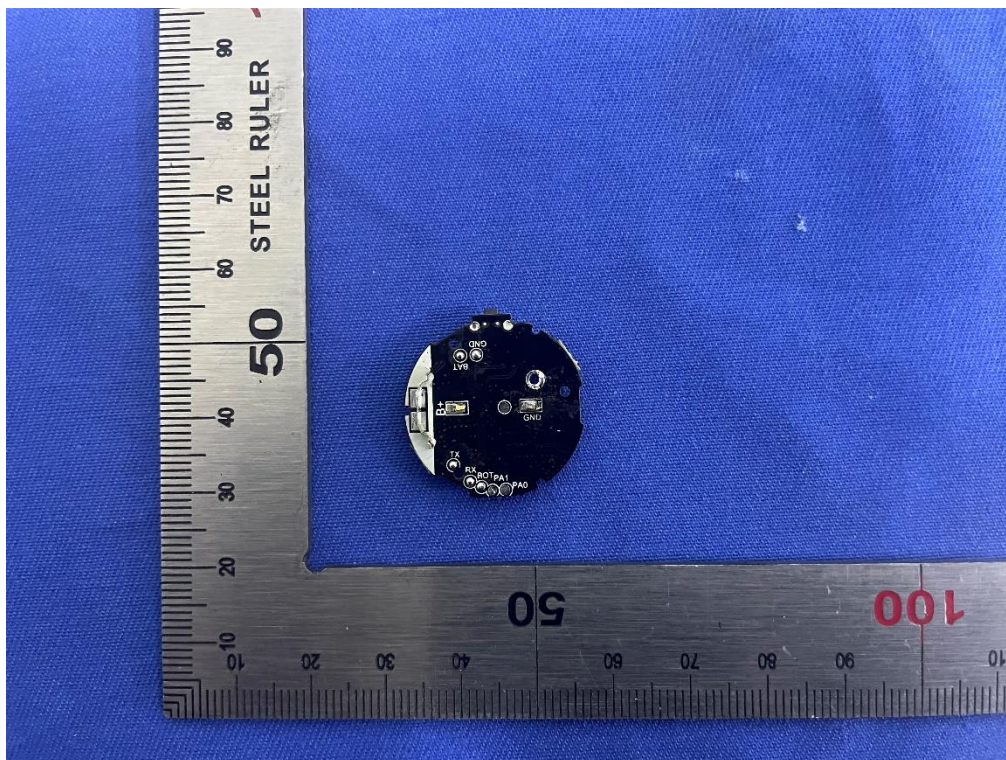
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Internal-1 of the sample



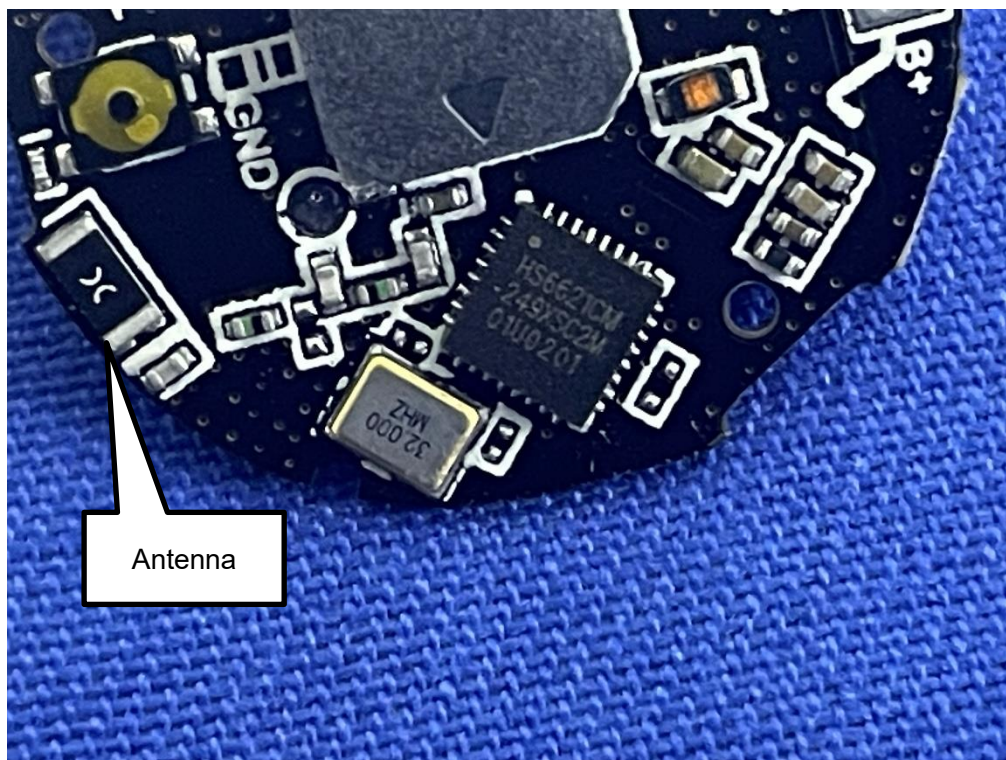
Internal-2 of the sample

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Antenna position of the sample

End of the report