



TEST REPORT

Report Reference No.....:	80260100006001	
Sample ID	BLC-01-0972722-009	
Date of issue	20/01/2026	
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Testing Laboratory.....:	TUV SUD South Asia Pvt Ltd	
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Applicant's name	Ultrahuman Healthcare Private Limited	
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Client Representative.....:	Mr. Adhit Shet	
Test specification Standard.....:	RF Exposure Report FCC 47 CFR Part 2.1093 / ISED RSS-102 Issue 6	
Test Method.....:	FCC KDB 447498 and RSS-102 Issue 6	
Non-standard test method..... :	NA	
Test Report Form Number.....:	LAB_F(EE)_138-049	
Product Name.....:	Ring Pro	
Test Item Description.....:	Smart health and fitness wearable in the form factor of a ring worn by a user on his/her Finger	
Manufacturer	Ultrahuman Healthcare Private Limited	
Model Number.....:	RP-XX-XX	
Serial Number.....:	RP-PS-08-INB-WB-ES01	
Ratings.....:	5V DC, 60mA(max)	
FCC ID.....:	2A99X-UHRINGPRO01	
IC ID.....:	30138-UHRINGPRO01	
Prepared by (Name + Signature)	Nikhil G	
Reviewed & Approved by (Name + Signature)	Raghunath M N	

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Possible test case verdicts:

- test case does not apply to the test object: N/A
- test object does meet the requirement: Pass
- test object does not meet the requirement: Fail

Testing:

Condition of the EUT on Receipt.....: Good
Date of receipt of test item: 31/10/2025
Date (s) of performance of tests.....: 14/11/2025 to 17/11/2025

General remarks:

1. The submitted sample(s) were not drawn by laboratory.
2. The test results presented in this report relate only to the object tested.
3. The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.
4. The correctness of the information related to sample(s) in the Test Request Form/Customer letterhead/E-mail is the customer's responsibility. The laboratory reports the said information in the test report and is not liable for the same.
5. The laboratory will retain the sample(s) for 45 days except for the mandatory retention period specified by the Regulatory Bodies and unless otherwise specified by the client.
6. This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.
“(see Enclosure #)” refers to additional information appended to the report.
“(see appended table)” refers to a table appended to the report.
7. Throughout this report a point is used as the decimal separator.

Use of uncertainty of measurement for decisions on conformity (decision rule): Yes/No

☒ No decision rule is specified by the IEC/EN standard, when comparing the measurement result with the applicable limit according to the specification in that standard. The decisions on conformity are made without applying the measurement uncertainty (“simple acceptance” decision rule, previously known as “accuracy method”).

☐ Other: (to be specified)

Decisions on conformity: Decision on conformity of results is based on as per standard limits or criteria.

Summary of compliance: The Product comply with the requirements of FCC 47 CFR Part 2.1093 / ISSED RSS-102 Issue 6

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Revision History of Records

Test Report Number	Version	Reason for Change	Date Issued
80260100006001	01	Initial Report	20/01/2026

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1 TEST SUMMARY

Sl.no	Protocol, Band (MHz)	Basic Standard		Result
		FCC	ISED	
1.	BLE (2402MHz – 2483.5MHz)	FCC 47 CFR 2.1093, FCC KDB 447498 D01	ISED RSS-102 Issue 6	PASS

Note:

Model number: **RP-XX-XX**, where 'XX' refers to the 2.2Ring Pro model number system for the detailed model number definition.

Testing and reporting were conducted on model **RP-PS-10**.

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2 EQUIPMENT INFORMATION

2.1 Product Function

Smart health and fitness wearable in the form factor of a ring worn by a user on his/her Finger.

2.2 Ring Pro model number system

Code	Code type	Length	Options	Description
RP	Alphanumeric	2	RP	Product name, RP- Ring Pro
(sku_color)	Alphanumeric	2	PG - Pro Gold PS - Pro Silver PA - Pro Aster black PM - Pro Matte Gray PR - Pro Raw Titanium	sku-color defines aesthetic finish and color for the product. XX can be A to Z
(sku_size)	Numeric	2	Size range: [05-14] Where ID range: [16.17mm to 24.91mm]	Size is defined based on Internal diameter of rings where smallest size-05 represent 16.17mm ID and largest size-14 represent 24.91mm ID

2.3 General Information of EUT

Table 1: EUT details as declared by client*

EUT Name	Ring Pro	
Protocol	BLE	
Operating Frequency Range	2402MHz – 2480MHz	
Channel Spacing	2MHz	
Environmental conditions	Storage	-20°C to +60°C
	Operating	0°C to +45°C
Supply Voltage	5V DC	
Maximum Measured Power (e.i.r.p) (dBm)	-2.22 dBm	
Modulation	GFSK	
Number of antennas	01	
Antenna Type	Chip Antenna	
Antenna Gain	0.5 dBi	
EUT Dimension (LxWxH)	24.5mm x 24mm x8.2mm	

*Disclaimer: The TÜV SÜD is not responsible for the accuracy of the customer declared specification.

3 RF EXPOSURE EVALUATION METHOD

3.1 FCC SAR TEST EXCLUSION EVALUATION

The corresponding SAR exclusion threshold condition, listed below:

- 1) 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 (GHz) is the RF channel transmit frequency in GHz
 - Power and distance are rounded to the nearest mW and mm before calculation.
 - The result is rounded to one decimal place for comparison The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion(447498 D01 General RF Exposure Guidance v06)
 - 2) At 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following
 - $[\text{Power allowed at numeric threshold for 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) \cdot (f(\text{MHz})/150)]$ mW, at 100 MHz to 1500 MHz
 - $[\text{Power allowed at numeric threshold for 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) \cdot 10]$ mW at > 1500 MHz and ≤ 6 GHz
 - 3) At frequencies below 100 MHz, the following may be considered for SAR test exclusion,
 - The power threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by $[1 + \log(100/f(\text{MHz}))]$ for test separation distances > 50 mm and < 200 mm
 - The power threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$ for test separation distances ≤ 50 mm
- 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 test results to be acceptable.

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3.2 ISED SAR EXEMPTION EVALUATION

Applicable SAR Exemption Limits

According to ISED RSS-102 Issue 6, for extremity-worn devices operating between 100 MHz and 6 GHz with a test separation distance ≤ 50 mm, SAR evaluation is not required when the following condition is satisfied:

$$\left(\frac{P_{\max}}{d}\right)\sqrt{f} \leq 3.0$$

RSS-102 Issue 6 SAR Exemption Limits:

Exposure Type	Frequency Range	Separation Distance	SAR Metric	Exemption Limit	Reference
Extremity	100 MHz – 6 GHz	≤ 50 mm	1-g SAR	≤ 3.0	ISED RSS-102 Issue 6

Test Results:

Protocol: Bluetooth low energy (BLE)

Exclusion calculation considering measured maximum power excluding antenna gain

Antenna Gain: 0.5dBi

Frequency (MHz)	Max.power (dBm)	Tune up value	Max.Power Including Tune-up Tolerance (dBm)	Max.Power Including Tune-up Tolerance (mW)	Minimum test separation distance (mm)	SAR Test Exclusion Calculation Values	1-g Extremity SAR Test exclusion Threshold
2402	-2.22	1	-1.22	0.755	5	0.234	3

Calculation:

$$\begin{aligned} \text{SAR Exclusion Value} &= \left(\frac{P_{\text{mW}}}{d_{\text{mm}}}\right) \times \sqrt{f_{\text{GHz}}} \\ &= (0.755/5) * (\sqrt{2.402}) \\ &= (0.151) * (\sqrt{2.402}) \\ &= 0.234 \end{aligned}$$

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4 RESULTS SUMMARY

Based on the RF exposure evaluation performed in accordance with FCC 47 CFR 2.1093, FCC KDB 447498 D01 and ISED RSS-102 Issue 6, the Bluetooth Low Energy (BLE) transmitter of the EUT was assessed for SAR test exclusion.

The calculated 1-g extremity SAR exclusion value for the BLE operation in the 2402 MHz – 2483.5 MHz band, using the maximum measured conducted output power including tune-up tolerance and a minimum test separation distance of 5 mm, was found to be well below the applicable SAR exclusion threshold of 3.0.

Therefore, SAR measurement is not required for this device under the applicable FCC and ISED RF exposure regulations.

5 CONCLUSION

The Ring Pro Bluetooth Low Energy (BLE) wearable ring complies with the RF exposure requirements of:

- FCC 47 CFR 2.1093
- FCC KDB 447498 D01
- ISED RSS-102 Issue 6

Based on the SAR test exclusion evaluation, the device qualifies for SAR exemption for extremity-worn use. The EUT is therefore considered compliant with FCC and ISED RF exposure limits for the tested configuration and operating conditions.

-----End of Report-----