

TEST REPORT

Reference No...... : WTX21X08081449W-2
FCC ID..... : 2A2SM-P9038REVK
Applicant..... : NEBA Health LLC
Address..... : 2052 Gordon Highway Suite B, Augusta, GA 30909
Product Name..... : NEBA Headset Wireless Charging Base
Test Model..... : P9038-R-EVK
Standards..... : KDB 680106 D01 V03
Date of Receipt sample.... : Aug. 10, 2021
Date of Test..... : Aug. 10, 2021 to Aug. 19, 2021
Date of Issue..... : Aug. 19, 2021
Test Result..... : Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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TABLE OF CONTENTS

| | |
|---|-----------|
| 1. GENERAL INFORMATION | 4 |
| 1.1 PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT)..... | 4 |
| 1.2 TEST EQUIPMENT LIST AND DETAILS | 5 |
| 2. RF EXPOSURE TEST REPORT..... | 6 |
| 2.1 STANDARD APPLICABLE..... | 6 |
| 2.2 TEST CONDITIONS | 6 |
| 2.3 TEST PROCEDURE..... | 7 |
| 2.4 TEST RESULT..... | 7 |
| 2.5 TEST PHOTOS | 9 |
| APPENDIX PHOTOGRAPHS..... | 10 |

Report version

| Version No. | Date of issue | Description |
|-------------|---------------|-------------|
| Rev.00 | Aug. 19, 2021 | Original |
| / | / | / |

1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: NEBA Health LLC
Address of applicant: 2052 Gordon Highway Suite B, Augusta, GA 30909

Manufacturer: NEBA Health LLC
Address of manufacturer: 2052 Gordon Highway Suite B, Augusta, GA 30909

| General Description of EUT | |
|-----------------------------------|-------------------------------------|
| Product Name: | NEBA Headset Wireless Charging Base |
| Trade Name: | / |
| Model No.: | P9038-R-EVK |
| Adding Model(s): | / |
| Battery Capacity | / |

Note: The test data is gathered from a production sample, provided by the manufacturer.

| Technical Characteristics of EUT | |
|---|---|
| Frequency Range: | 112-205kHz |
| Modulation: | FSK, ASK |
| Antenna Type: | Inductive Loop Coil Antenna |
| Antenna Gain | 0dBi |
| Rated Voltage: | DC 5V |
| Rated Power: | Wireless output Max 5W |
| Power adapter: | MODEL: GTM46101-1005-USB INPUT: AC 100-240V, 50/60Hz, 0.3A OUTPUT: DC 5V, 2A, 10W |

1.2 Test Equipment List and Details

| Description | Manufacturer | Model | Serial No. | Cal Date | Due Date |
|--|--------------|-----------|------------|------------|------------|
| ELECTRIC AND MAGNETIC FIELD ANALYZER | Narda | EHP-200AC | 180ZX10226 | 2021-05-20 | 2024-05-19 |
| Note: The deviation response is 0.8dB. | | | | | |

1.3 Auxiliary Equipment List and Details

| Description | Manufacturer | Model | Serial Number |
|------------------------|--------------|------------------------------|---------------|
| Wireless Charging Load | YBZ | YBZ Wireless Charging Tester | / |

2. RF Exposure Test Report

2.1 Standard Applicable

According to § 1.1310 system operating under the provisions of this section shall be operating in a manner that the public is not exposed to radio frequency energy level in excess limit for maximum permissible exposure.

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

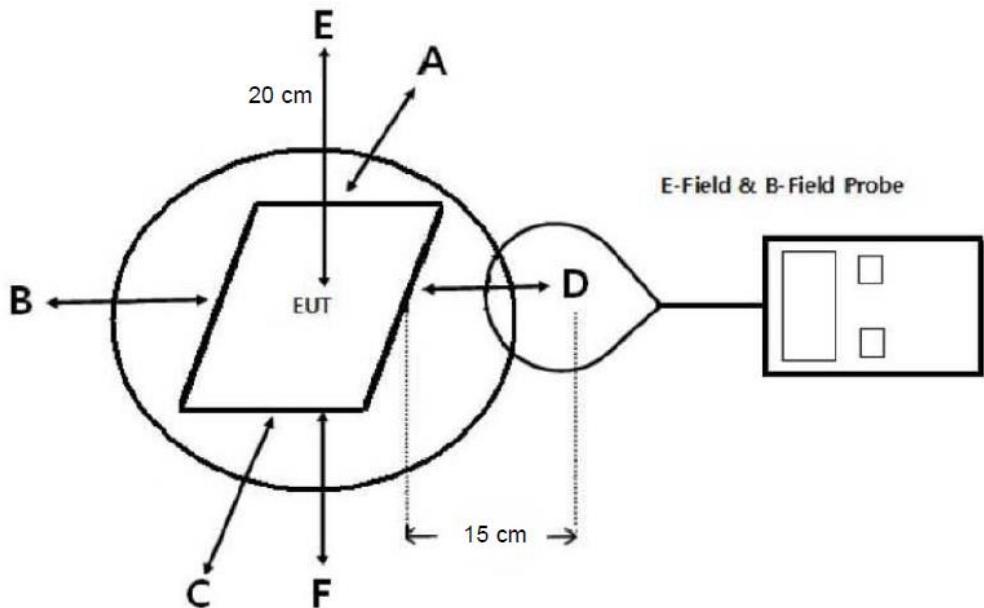
| Frequency range (MHz) | Electric field strength (V/m) | Magnetic field strength (A/m) | Power density (mW/cm ²) | Averaging time (minutes) |
|--|-------------------------------|-------------------------------|-------------------------------------|--------------------------|
| (A) Limits for Occupational/Controlled Exposure | | | | |
| 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 |
| 300-1,500 | | | f/300 | 6 |
| 1,500-100,000 | | | 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 |
| 300-1,500 | | | f/1500 | 30 |
| 1,500-100,000 | | | 1.0 | 30 |

f = frequency in MHz * = Plane-wave equivalent power density

2.2 Test Conditions

| Test Mode | Description | Remark | Power Supply Mode |
|------------------------------|-----------------|---------------------|--|
| TM1 | Wireless output | Wireless output: 5W | Input: DC5V, 2A Output: Wireless 5W |
| Measurement Distance: | | 15 cm and 20 cm | |

2.3 Test Procedure



- The measurement probe was placed at test distance(15 cm for A,B,C,D,F and 20 cm for E) which is between the edge of the charger and the geometric center of probe.
- The highest emission level was recorded at the measurement points (A, B, C, D, E, F).
- The EUT was measured according to the distance of KDB 680106 D01 V03.

2.4 Test Result

The EUT complies with item 5.2 of KDB 680106 D01V03

- Power transfer frequency is less than 1 MHz
Yes, the device operates in the frequency range from 112 kHz to 205 kHz.
- Output power from each primary coil is less than or equal to 15 watts
Yes, the maximum output power of the primary coil is less than 15W.
- The transfer system includes only single primary and secondary coils. This includes charging systems that may have multiple primary coils and clients that are able to detect and allow coupling only between individual pairs of coils
Yes, the client device includes only single primary coils.
- Client device is inserted in or placed directly in contact with the transmitter
Yes, Client device is placed directly in contact with the transmitter.
- Mobile exposure conditions only (portable exposure conditions are not covered by this exclusion).

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Yes, it is mobile exposure conditions only.

6. The aggregate H-field strengths at 15 cm surrounding the device and 20 cm above the top surface from all simultaneous transmitting coils are demonstrated to be less than 50% of the MPE limit.

Yes, The EUT field strength levels are less than 50% of the MPE limit, refer to test TM1 list, and the coils can't transmitted simultaneous.

Test Mode: TM1

| Electric Field Emissions | | | |
|---------------------------------|----------------------------|-------------------|------------------------|
| Test Position | Measure Value (V/m) | Limit(V/m) | 50% Limit (V/m) |
| Point E | 0.3679 | 614 | 307 |
| Point F | 0.3549 | 614 | 307 |
| Point A | 0.3466 | 614 | 307 |
| Point B | 0.3589 | 614 | 307 |
| Point C | 0.3478 | 614 | 307 |
| Point D | 0.3598 | 614 | 307 |

| Magnetic Field Emissions | | | |
|---------------------------------|----------------------------|-------------------|------------------------|
| Test Position | Measure Value (A/m) | Limit(A/m) | 50% Limit (A/m) |
| Point E | 0.2798 | 1.63 | 0.815 |
| Point F | 0.2686 | 1.63 | 0.815 |
| Point A | 0.2531 | 1.63 | 0.815 |
| Point B | 0.2588 | 1.63 | 0.815 |
| Point C | 0.2498 | 1.63 | 0.815 |
| Point D | 0.2476 | 1.63 | 0.815 |

2.5 Test Photos



APPENDIX PHOTOGRAPHS

Please refer to “ANNEX”

******* END OF REPORT *******