

FCC TEST REPORT FCC ID: 2AP2N-M52

On Behalf of

Shenzhen Esorun Technology Co., LTD

Magnetic Wireless Power Bank With Stand

Model No.: Fold M52, Fold M52M, Fold M52S

| Prepared for | : | Shenzhen Esorun Technology Co., LTD |
|--------------|---|---|
| Address | : | Room 226, Building A, B, C, Zone B, Yuanfen Industrial Zone, Taoyuan Community, Dalang Street, Longhua District, Shenzhen |

| Prepared By | : | Shenzhen Alpha Product Testing Co., Ltd. |
|-------------|---|--|
| Address | : | Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103, Shenzhen, Guangdong, China |

| Report Number | : | A2307239-C02-R07 |
|-----------------|---|--------------------------------|
| Date of Receipt | : | August 2, 2023 |
| Date of Test | : | August 2, 2023-August 14, 2023 |
| Date of Report | : | October 16, 2023 |
| Version Number | : | VO |

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TEST REPORT DECLARATION

| Applicant | : | Shenzhen Esorun Technology Co., LTD | | | | |
|-----------------|---|--|---|---|--------------------------------|--|
| Address | : | Room 226, Building A, B, C, Zone B, Yuanfen Industrial Zone, Taoyuan Community, Dalang Street, Longhua District, Shenzhen | | | | |
| Manufacturer | : | Shen | Shenzhen Esorun Technology Co., LTD | | | |
| Address | : | | Room 226, Building A, B, C, Zone B, Yuanfen Industrial Zone, Taoyuan Community, Dalang Street, Longhua District, Shenzhen | | | |
| EUT Description | : | Magr | Magnetic Wireless Power Bank With Stand | | | |
| | | (A) | Model No. | : | Fold M52, Fold M52M, Fold M52S | |
| | | (B) | Trademark | : | ESORUN | |

Measurement Standard Used: FCC CFR Title 47 Part 15 Subpart C Section 15.209

The device described above is tested by Shenzhen Alpha Product Testing Co., Ltd. to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The test results are contained in this test report and Shenzhen Alpha Product Testing Co., Ltd. is assumed full responsibility for the accuracy and completeness of test. Also, this report shows that the EUT is technically compliant with the FCC CFR Title 47 Part 15 Subpart C Section 15.209 requirements.

This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Shenzhen Alpha Product Testing Co., Ltd.

Tested by (name + signature).....:

Lucas Pang **Project Engineer**

Renter Poung

Reak Yang **Project Manager**

Date of issue.....

Approved by (name + signature).....:

October 16, 2023

Revision History

| Revision | Issue Date | Revisions | Revised By |
|----------|------------------|------------------------|------------|
| V0 | October 16, 2023 | Initial released Issue | Lucas Pang |

1. Test Result Summary

| Requirement | CFR 47 Section | Result |
|-------------------------------------|----------------|--------|
| Antenna requirement | §15.203 | PASS |
| AC Power Line Conducted Emission | §15.207 | PASS |
| Spurious Emission | §15.209(a)(f) | PASS |
| Occupied Bandwidth | §15.215 (c) | PASS |

Note:

1. PASS: Test item meets the requirement.

2. Fail: Test item does not meet the requirement.

3. N/A: Test case does not apply to the test object.

4. The test result judgment is decided by the limit of test standard.

5. Decision rules for the conclusion of this test report: decision by actual test data without considering neasurement uncertainty.

2. General Information

| 2.1. Description of Device (EUT) | | | | | | |
|----------------------------------|---|---|--|--|--|--|
| EUT Name | : | Magnetic Wireless Power Bank With Stand | | | | |
| Model No. | : | Fold M52, Fold M52M, Fold M52S | | | | |
| DIFF. | : | There is no difference between the models except the appearance color. So all the test were performed on the model Fold M52. | | | | |
| Power supply | : | DC 5V/9V/12V from adapter with AC 120V/60Hz DC 3.7V from battery Type-C Input: 5V=2.6A, 9V=2.0A, 12V=1.5A Wireless Output: 5V, 7.5W, 10W, 15W Type-C Output: 5V=2.4A, 9V=2.22A, 12V=1.67A Max Multiplex output: Type-C Output: 5V=1A and Wireless Output: 10W | | | | |
| Radio Technology | • | Wireless power transmission systems | | | | |
| Operation frequency | : | 115-205KHz | | | | |
| Modulation | : | MSK | | | | |
| Antenna Type | : | Coil Antenna, Maximum Gain is 0dBi(This value is supplied by applicant). | | | | |
| Connector cable loss | : | 0.5dB (This value is supplied by applicant). | | | | |
| Software version | : | V1.0 | | | | |
| Hardware version | : | V1.2 | | | | |

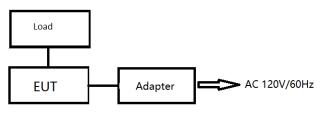
2.2. Accessories of Device (EUT)

| Accessories | : | / |
|--------------|---|---|
| Manufacturer | : | / |
| Model | : | / |
| Input | : | / |
| Output | : | / |

2.3. Tested Supporting System Details

| No. | Description | Manufacturer | Model | Serial Number | Certification or SDoC |
|-----|-------------|--------------|--------------|---------------|--------------------------|
| 1 | Adapter | Huoniu | HNFCQC3024UU | N/A | N/A |
| 2 | Load | N/A | N/A | N/A | N/A |

2.4. Block Diagram of connection between EUT and simulators



2.5. Description of Test Modes

| Channel | Frequency (KHz) |
|---------|--------------------|
| 1 | 148 |

2.6. Test Conditions

| Items | Required | Actual |
|--------------------|----------------|--------------|
| Temperature range: | 15-35 ℃ | 24 °C |
| Humidity range: | 25-75% | 56% |
| Pressure range: | 86-106kPa | 98kPa |

2.7. Test Facility

Shenzhen Alpha Product Testing Co., Ltd Building i, No.2, Lixin Road, Fuyong Street, Bao'an District, 518103, Shenzhen, Guangdong, China

June 21, 2018 File on Federal Communication Commission Registration Number: 293961

July 15, 2019 Certificated by IC Registration Number: 14835A

2.8. Measurement Uncertainty

(95% confidence levels, k=2)

| Item | Uncertainty |
|--|---------------------|
| Uncertainty for Power point Conducted Emissions Test | 1.63dB |
| Uncertainty for Radiation Emission test in 3m chamber (below 30MHz) | 3.5dB |
| Uncertainty for Radiation Emission test in 3m chamber | 3.74dB(Polarize: V) |
| (30MHz to 1GHz) | 3.76dB(Polarize: H) |
| Uncertainty for Radiation Emission test in 3m chamber | 3.77dB(Polarize: V) |
| (1GHz to 25GHz) | 3.80dB(Polarize: H) |
| Uncertainty for radio frequency | 5.06×10⁻8GHz |
| Uncertainty for conducted RF Power | 0.40dB |
| Uncertainty for temperature | 0.2°C |
| Uncertainty for humidity | 1% |
| Uncertainty for DC and low frequency voltages | 0.06% |

| Equipment | Manufacture | Model No. | Firmware version | Serial No. | Last cal. | Cal Interval |
|--------------------------------|---------------|----------------------|------------------|----------------------------|------------|-----------------|
| 9*6*6 anechoic chamber | CHENYU | 9*6*6 | / | N/A | 2022.05.17 | 3Year |
| Spectrum analyzer | ROHDE&SCHWARZ | FSV40-N | 2.3 | 102137 | 2022.08.22 | 1Year |
| Spectrum analyzer | Agilent | N9020A | A.14.16 | MY499100060 | 2022.08.22 | 1Year |
| Receiver | ROHDE&SCHWARZ | ESR | 2.28 SP1 | 1316.3003K03-10 2082-Wa | 2022.08.22 | 1Year |
| Receiver | R&S | ESCI | 4.42 SP1 | 101165 | 2022.08.22 | 1Year |
| Bilog Antenna | Schwarzbeck | VULB 9168 | / | VULB 9168#627 | 2021.08.30 | 2Year |
| Horn Antenna | SCHWARZBECK | BBHA 9120 D | / | 2106 | 2021.08.30 | 2Year |
| Active Loop Antenna | SCHWARZBECK | FMZB 1519B | / | 00059 | 2021.08.30 | 2Year |
| RF Cable | Resenberger | Cable 1 | / | RE1 | 2022.08.22 | 1Year |
| RF Cable | Resenberger | Cable 2 | / | RE2 | 2022.08.22 | 1Year |
| RF Cable | Resenberger | Cable 3 | / | CE1 | 2022.08.22 | 1Year |
| Pre-amplifier | HP | HP8347A | / | 2834A00455 | 2022.08.22 | 1Year |
| Pre-amplifier | Agilent | 8449B | / | 3008A02664 | 2022.08.22 | 1Year |
| L.I.S.N.#1 | Schwarzbeck | NSLK8126 | / | 8126-466 | 2022.08.22 | 1Year |
| L.I.S.N.#2 | ROHDE&SCHWARZ | ENV216 | / | 101043 | 2022.08.23 | 1 Year |
| Horn Antenna | SCHWARZBECK | BBHA9170 | / | 00946 | 2021.08.30 | 2 Year |
| Preamplifier | SKET | LNPA_1840 -50 | / | SK2018101801 | 2022.08.22 | 1 Year |
| Power Meter | Agilent | E9300A | / | MY41496628 | 2022.08.22 | 1 Year |
| Power Sensor | DARE | RPR3006W | / | 15100041SNO91 | 2022.08.22 | 1 Year |
| Temp. & Humid. Chamber | Weihuang | WHTH-1000 -40-880 | / | 100631 | 2022.08.22 | 1 Year |
| Switching Mode Power Supply | JUNKE | JK12010S | / | 20140927-6 | 2022.08.22 | 1 Year |
| Adjustable attenuator | MWRFtest | N/A | / | N/A | N/A | N/A |
| 10dB Attenuator | Mini-Circuits | DC-6G | / | N/A | N/A | N/A |

2.9. Test Equipment List

| Software Information | | | | | | | | | |
|----------------------|--------------------------------------|----------|-----------|--|--|--|--|--|--|
| Test Item | Test Item Software Name Manufacturer | | | | | | | | |
| RE | EZ-EMC | Farad | Alpha-3A1 | | | | | | |
| CE | EZ-EMC | Farad | Alpha-3A1 | | | | | | |
| RF-CE | MTS 8310 | MWRFtest | 2.0.0.0 | | | | | | |

3. Test Results and Measurement Data

3.1. Conducted Emission

3.1.1. Test Specification

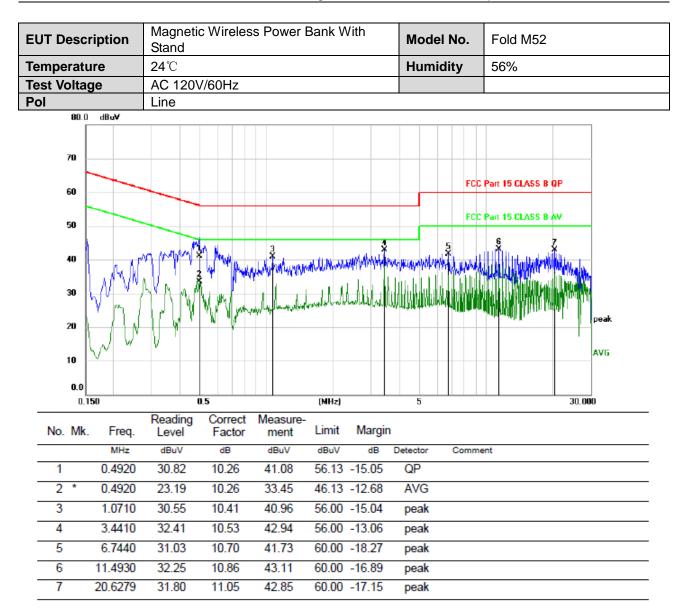
| Test Requirement: | FCC Part15 C Section 15.20 | 07 | | |
|-------------------|--|-----------------|-----------|--|
| Test Method: | ANSI C63.10:2013 | | | |
| | | | | |
| Frequency Range: | 150 kHz to 30 MHz | | | |
| Receiver setup: | RBW=9 kHz, VBW=30 kHz, | Sweep time=auto | | |
| | Frequency range (MHz) | Limit (d | IBuV) | |
| | | Quasi-peak | Average | |
| Limits: | 0.15-0.5 | 66 to 56* | 56 to 46* | |
| | 0.5-5 | 56 | 46 | |
| | 5-30 | 60 | 50 | |
| | Refere | nce Plane | | |
| Test Setup: | 40cm 80cm LISN Filter AC power E.U.T Adapter Filter AC power EMI Receiver Remark: E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m | | | |
| Test Mode: | Transmitting Mode | | | |
| Test Procedure: | The E.U.T is connected to an adapter through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10: 2013 on conducted measurement. | | | |
| Test Result: | PASS | | | |

3.1.2. Test data

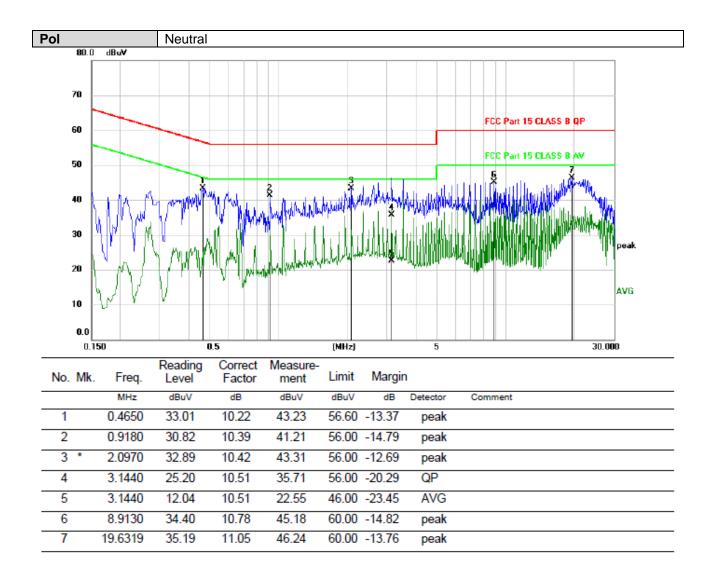
Please refer to following diagram for individual

| Test Mo | ode : 148KHz | | | | | | | | |
|---------------------|--|--|--|--|--|--|--|--|--|
| Test Results : PASS | | | | | | | | | |
| Note: | The test results are listed in next pages. | | | | | | | | |
| | All test modes has been tested, this report only reflected the worst mode. | | | | | | | | |
| | If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector and quasi-peak detector need not be carried out. If the limits for the measurement with the average detector are met when using a receiver with a quasi-peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector are met when using a receiver with a quasi-peak detector, the test unit shall be deemed to meet both limits and the measurement with the average detector need not be carried out. | | | | | | | | |

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| *:Maximum data | x:Over limit | !:over margin | | (Reference Only |
|------------------|----------------|--------------------|---|-----------------|
| Note: Measuremer | nt=Reading Lev | vel+Correc Factor. | Factor=(LISN or ISN or PLC or Current Probe |)Factor+Cable |



*:Maximum data x:Over limit !:over margin

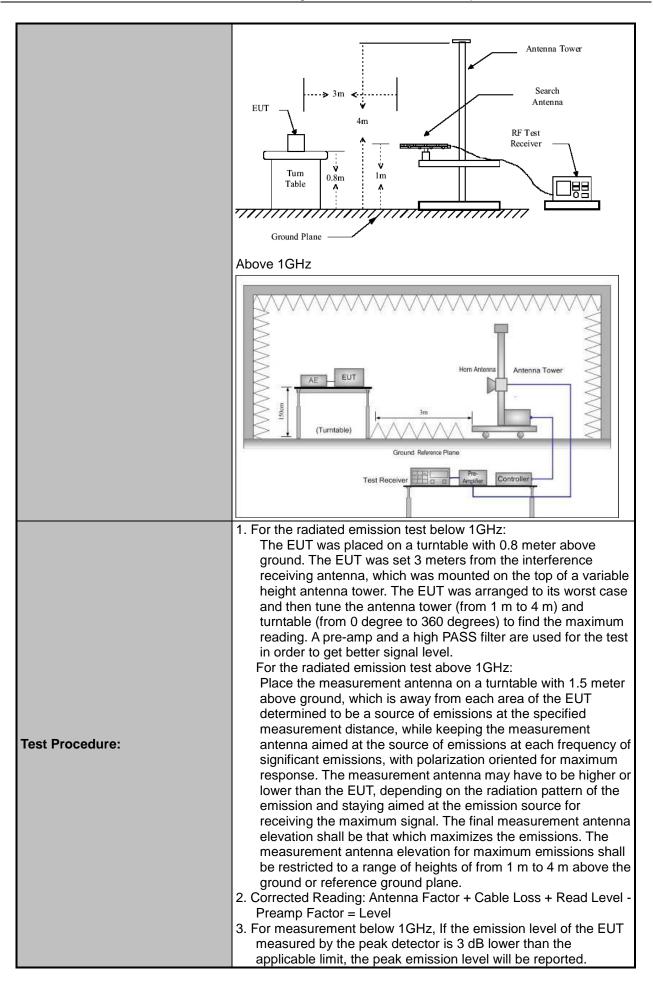
(Reference Only

Note: Measurement=Reading Level+Correc Factor. Factor=(LISN or ISN or PLC or Current Probe)Factor+Cable

3.2. Radiated Spurious Emission Measurement

3.2.1. Test Specification

| Test Requirement: | FCC Part15 C | Section | on 15 | .20 | 9 | | | | |
|-----------------------|--------------------------------------|----------|--|-----------|----------------------------|-----------------------------------|---------|----------------------------------|--|
| Test Method: | ANSI C63.10: 2013 9 kHz to 25 GHz | | | | | | | | |
| Frequency Range: | 9 kHz to 25 GHz 3 m | | | | | | | | |
| Measurement Distance: | 3 m | | | | | | | | |
| Antenna Polarization: | Horizontal & Vertical | | | | | | | | |
| Operation mode: | Refer to item 4. | .1 | | | | | | | |
| | Frequency 9kHz- | | tecto asi-pe | | RBW 200Hz | VBW 1kHz | | Remark uasi-peak | |
| | 150kHz | | k . | | | | | Value | |
| Receiver Setup: | 150kHz- 30MHz | Qua | asi-pe k | ea | 9kHz | 30kHz | Q | uasi-peak Value | |
| | 30MHz-1GH | Qua | asi-pe | ea | 100KH | 300KH | Q | uasi-peak Value | |
| | Z | F | k Peak | | z 1MHz | z 3MHz | Pe | eak Value | |
| | Above 1GHz | | Peak | | 1MHz | 10Hz | | rage Value | |
| | Frequer | су | | (| Field Stre | ength Distan | | asurement Distance meters) | |
| | 0.009-0.4 | 490 | | 2400/F(K | | | | 300 | |
| | 0.490-1.7 | | | 24000/F(I | | KHz) | | 30 | |
| | 1.705-3 | | | <u> </u> | | | 30 3 | | |
| | 30-88 88-216 | | 150 | | | | 3 | | |
| Limit: | 216-96 | | | 200 | | | 3 | | |
| | Above 960 | | | | 500 3 | | | | |
| | Frequency | | Field Strength (microvolts/mete r) | | olts/mete | Measure nt Distan (meter | се | Detector | |
| | Above 1GHz | | | 500 | | 3 | | Average | |
| | For radiated en | | no ha | | 000 w 20MH - | 3 | | Peak | |
| | For radiated en | lissio | | | | | | | |
| | Distance = 3m | | | | | | | | |
| Test setup: | EUT | Turn | table | | Ĭ | | Reco | iver | |
| | | | G | roun | d Plane | | L | | |
| | 30MHz to 1GH | Z | | | | | | | |

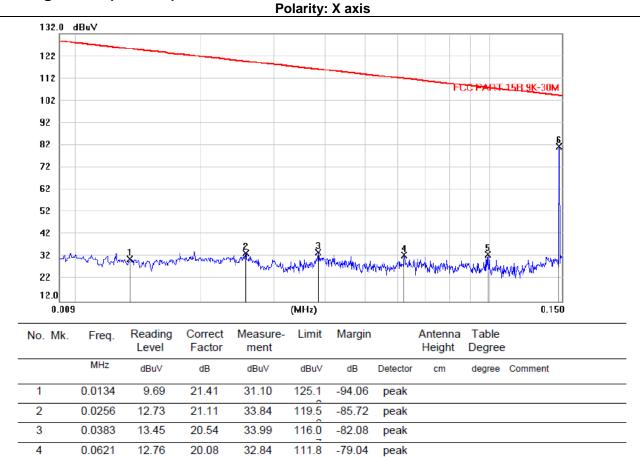


| | 4. Use the following spectrum analyzer settings: (1) Span shall wide enough to fully capture the emission being measured; (2) Set RBW=100 kHz for f < 1 GHz; VBW ≥RBW; Sweep = auto; Detector function = peak; Trace = max hold; (3) Set RBW = 1 MHz, VBW= 3MHz for f 1 GHz for peak measurement. For average measurement: VBW = 10 Hz, when duty cycle is no less than 98 percent. VBW ≥ 1/T, when duty cycle is less than 98 percent where T is the minimum transmission duration |
|---------------|--|
| | over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation. |
| Test mode: | Refer to section 4.1 for details |
| Test results: | PASS |

3.2.2. Test Data

Please refer to following diagram for individual

| Freque | ncy Range | : | 9KHz~30MHz | | | | |
|---------|--|------|--------------------------------|--|--|--|--|
| Test Mo | ode | : | 148kHz | | | | |
| Test Re | sults | : | PASS | | | | |
| Note: | 1. The test | resu | ults are listed in next pages. | | | | |
| | 2. This mode is worst case mode, so this report only reflected the worst mode. | | | | | | |
| | 3. If the limits for the measurement with the average detector are met when using a receiver with | | | | | | |
| | a peak detector, the test unit shall be deemed to meet both limits and the measurement with th quasi-peak detector need not be carried out. | | | | | | |



For signal coil(148KHz):

5

6

*

0.0990

0.1476

13.27

61.27

19.81

20.17

Note:1. *:Maximum data; x:Over limit; !:over margin. 2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

33.08

81.44

107.8

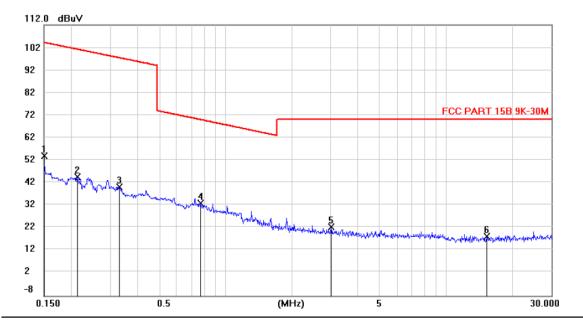
104.3

-74.77

-22.95

peak

peak



| No. | Mk. | Freq. | Reading Level | Correct Factor | Measure- ment | Limit | Margin | | Antenna Height | Table Degree | |
|-----|-----|---------|------------------|-------------------|------------------|-------|--------|----------|-------------------|-----------------|---------|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | cm | degree | Comment |
| 1 | | 0.1500 | 33.62 | 20.20 | 53.82 | 104.2 | -50.43 | peak | | | |
| 2 | | 0.2137 | 24.51 | 20.11 | 44.62 | 101.1 | -56.56 | peak | | | |
| 3 | | 0.3311 | 20.17 | 19.94 | 40.11 | 97.39 | -57.28 | peak | | | |
| 4 | * | 0.7711 | 12.95 | 19.86 | 32.81 | 70.00 | -37.19 | peak | | | |
| 5 | | 3.0232 | 2.00 | 20.51 | 22.51 | 70.00 | -47.49 | peak | | | |
| 6 | | 15.2850 | -2.81 | 21.08 | 18.27 | 70.00 | -51.73 | peak | | | |

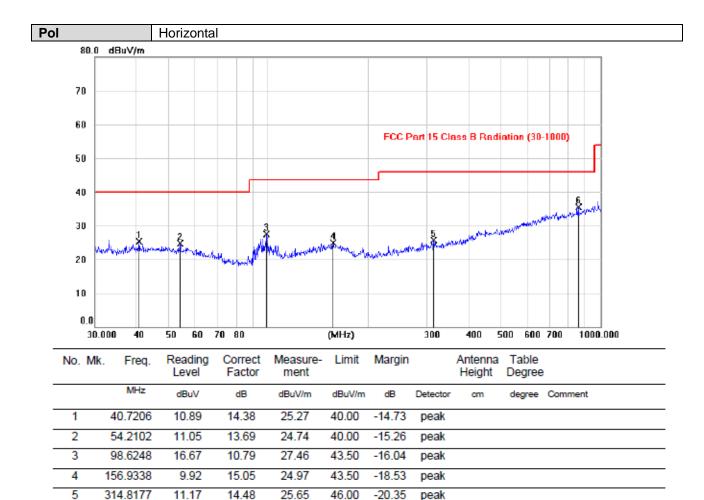
Note:1. *:Maximum data; x:Over limit; !:over margin. 2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

| Frequenc | cy Range | : | 30MHz~1000MHz | | | | |
|--------------|--|------|--|--|--|--|--|
| Test Mod | е | : | 148KHz | | | | |
| Test Results | | : | PASS | | | | |
| Note: | 1. The test | res | ults are listed in next pages. | | | | |
| | 2. All test r | node | es has been tested, this report only reflected the worst mode. | | | | |
| | 3. If the limits for the measurement with the average detector are met when using a receiver with a peak detector, the test unit shall be deemed to meet both limits and the measurement with the guasi-peak detector need not be carried out. | | | | | | |

| Frequer | ncy Range | : | Above 1GHz | | | |
|----------|-----------|----|--|-------------|---|---|
| EUT | | : | / | Test Date | : | / |
| M/N | | : | / | Temperature | : | / |
| Test Eng | gineer | : | / | Humidity | : | / |
| Test Mo | de | : | / | | | |
| Test Re | sults | : | N/A | | | |
| Note: | | nt | frequency of the internal sources of the E shall only be made up to 1 GHz. So the free | | | |

| | | | | | | 30 | 0MHz- | 1GHz | | | | | | | |
|--|--------------------------------------|--|--------------------------|--|---|----------------------------------|-----------------------------------|---|--|--------------------------|------------------------|--------------------|---------|----------|---|
| EUT Descriptio | n M | Magnetic Wireless Power Bank With Stand | | | | | | Mo | Model No. | | Fold M52 | | | | |
| Temperature | 24 | 24℃ DC 5V from adapter | | | | | Hu | midity | | 56% |) | | | | |
| Fest Voltage | DC | | | | | | | | | | | | | | |
| Pol | | ertical | | | | | | | | | | | | | |
| 80.0 dBu | V/m | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 60 | | | | | | | | Free | Part 15 Cli | | | 20.10 | | | |
| | | | | | | | | FUU | Partis Ca | ass 15 Ha | diation (| 30-101 | uuj | | |
| 50 | | | | | | | | | | | | | | | |
| 40 | | | | | | | | | | | | | | | |
| 10 | . 3. | | | | | | | | | | | | | \$ | |
| 30 🐝 | _/** | | , M | | 4 | | 5 | | | | dament | And a start | and and | Mar 1 | |
| | 1 | m | M | M. | MA | | | len | where where | where the | NO. WWW | | | | |
| 20 | | | | 71 | " "Huh | (more that the | | . Manuala | ~~~ | | | | | | |
| | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | |
| 0.0 | | | | | | | | | | | | | | | |
| | 40 | 50 61 | 0 70 | 80 | | | (MHz) | | 300 | 400 | | 00 70 | 0 | 1000.000 | 1 |
| 0.0 | 40 Freq. | 50 60 Readir Level | ng | 80 Corre Facto | | asure- ent | | Margin | | 400 Antenna Height | 500 6 a Tab | 00 70 le | 0 | 1000.000 | 1 |
| 0.0 30.000 No. Mk. | | Readir | ng (I | Corre | or m | | | Margin | | Antenna | 500 6 a Tab Degr | 00 70 le | | | 1 |
| 0.0 30.000 No. Mk. | Freq. | Readir Level | ng (I | Corre Facto | or m dBu | ent | Limit | Margin | 1 | Antenn Height | 500 6 a Tab Degr | 00 70 le ree | | |) |
| 0.0 30.000 No. Mk. | Freq. MHz | Readir Level | ng (l | Corre Facto dB | or m dBu 0 32 | ent JV/m | Limit dBuV/r | Margin n dB | Detector | Antenn Height | 500 6 a Tab Degr | 00 70 le ree | | |] |
| 0.0 30.000 No. Mk. 1 1 32. 2 * 45. | Freq. MHz 0144 | Readir Level dBuV 18.45 | ng (7 5 3 | Corre Facto dB 13.60 | or m dBu 0 32 0 33 | ent ///m 2.05 | Limit dBuV/r 40.00 | Margin n dB -7.95 | Detector peak | Antenn Height | 500 6 a Tab Degr | 00 70 le ree | | | 1 |
| 0.0 30.000 No. Mk. 1 32. 2 * 45. 3 71. | Freq. MHz 0144 1902 | Readir Level dBuV 18.45 | ng (7 5 3 8 | Corre Facto dB 13.60 14.10 | or m dBu 0 32 0 33 1 31 | ent JV/m 2.05 3.33 | Limit dBuV/r 40.00 40.00 | Margin dB -7.95 -6.67 | Detector peak QP peak | Antenn Height | 500 6 a Tab Degr | 00 70 le ree | | |] |
| 0.0 30.000 No. Mk. 1 32. 2 * 45. 3 71. 4 97. | Freq. MHz 0144 1902 2883 | Readir Level dBuV 18.45 19.23 20.58 | ng (5 3 3 | Corre Facto dB 13.60 14.10 | or m dBu 0 32 0 33 1 31 9 30 | ent .V/m .05 .33 .69 | Limit dBuV/r 40.00 40.00 | Margin dB -7.95 -6.67 -8.31 | Detector peak QP peak peak | Antenn Height | 500 6 a Tab Degr | 00 70 le ree | | |] |

Note:1. *:Maximum data; x:Over limit; !:over margin. 2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.



-10.48

peak

46.00

Note:1. *: Maximum data; x: Over limit; !: over margin.

12.09

23.43

35.52

6 *

857.8264

2.Measurement=Reading Level+Correct Factor; Correct Factor=Antenna Factor+Cable Loss.

| 3.3. | Test Specification |
|------|--------------------|
|------|--------------------|

| Test Requirement: | FCC Part15 C Section 15.215(c) | | | | | |
|-------------------|--|--|--|--|--|--|
| Test Method: | ANSI C63.10: 2013 | | | | | |
| Limit: | N/A | | | | | |
| Test Procedure: | According to the follow Test-setup, keep the relative position between the artificial antenna and the EUT. Set to the maximum power setting and enable the EUT transmit continuously. Use the following spectrum analyzer settings for 20dB Bandwidth measurement. Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel; RBW≥1% of the 20 dB bandwidth; VBW≥RBW; Sweep = auto; Detector function = peak; Trace = max hold. Measure and record the results in the test report. | | | | | |
| Test setup: | Spectrum Analyzer EUT | | | | | |
| Test Mode: | Refer to section 4.1 for details | | | | | |
| Test results: | PASS | | | | | |

3.3.1. Test data

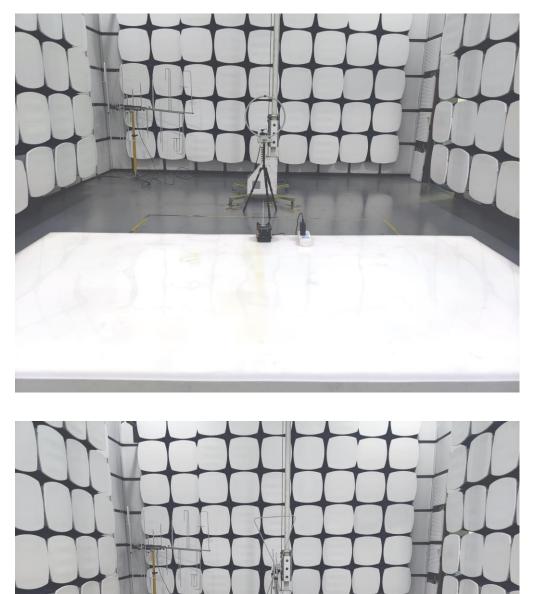
| Frequency(kHz) | 20dB Occupy Bandwidth (kHz) | Limit (kHz) | Conclusion |
|----------------|--------------------------------|-------------|------------|
| 148 | 0.256 | | Pass |

| | est plots as lo | 110W3. | | |
|---------|----------------------|--------------------------------|---|---|
| | | | | |
| | SENSE:INT SOURCE OFF | | | Frequency |
| | | | io Std: None | Frequency |
| | | | io Device: BTS | |
| Gam.Eow | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | Center Freq |
| | | | | 148.000 kHz |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | Span 2 kHz | |
| | #VBW 300 Hz | | Sweep FFT | CF Step 200 Hz |
| | | | | Auto Man |
| | Total Power | -43.6 dB | m | |
| 221 Uz | | | | |
| | | | | Freq Offset |
| -82 Hz | OBW Power | 99 00 | % | 0 Hz |
| | | | | |
| 256 Hz | x dB | -20.00 c | В | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | <mark>status</mark> <u>1</u> A | C coupled: Accy u | nspec'd < 10MHz |
| | Ce ₊₊ Tri | SENSE.INT SOURCE OFF | Center Freq: 148.000 kHz Trig: Free Run Avg Hold: 10/10 Rad Rad Avg Hold: 10/10 Rad Rad Rad Rad Rad Rad Rad Rad | Sense:INT SOURCE OFF ALIGN OFF 06:37:06 AM Aug 08, 2023 Center Freq: 148.000 kHz Trig: Freq: 148.000 kHz #Atten: 0 dB Aug/Hold: 10/10 #Atten: 0 dB Std: None Radio Device: BTS Radio Device: BTS Span 2 kHz Syme p FFT Total Power -43.6 dBm 231 Hz -82 Hz OBW Power 99.00 % |

Test plots as follows:

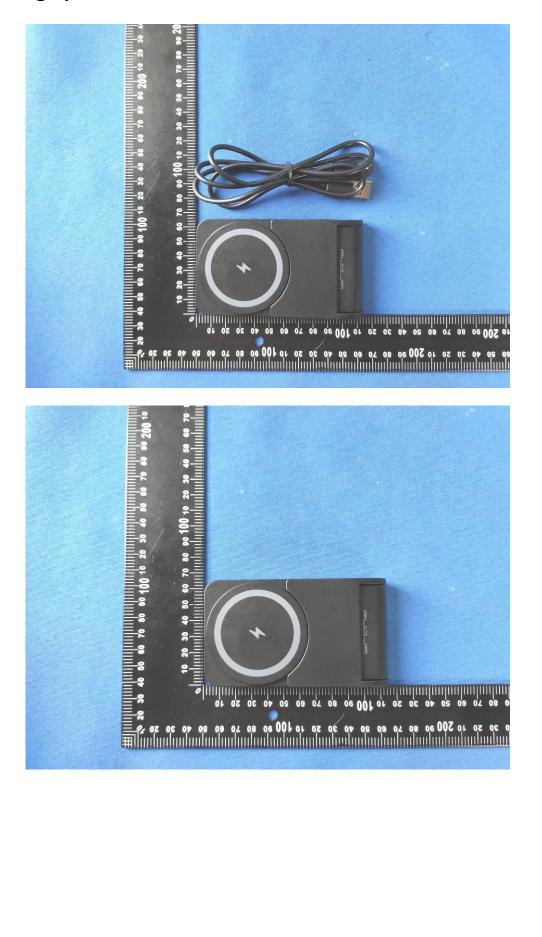
4. Photos of test setup

Radiated Emission

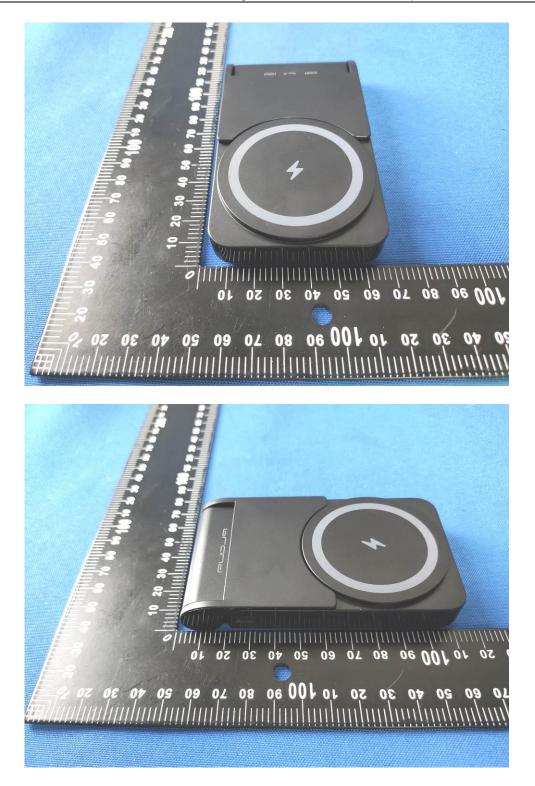


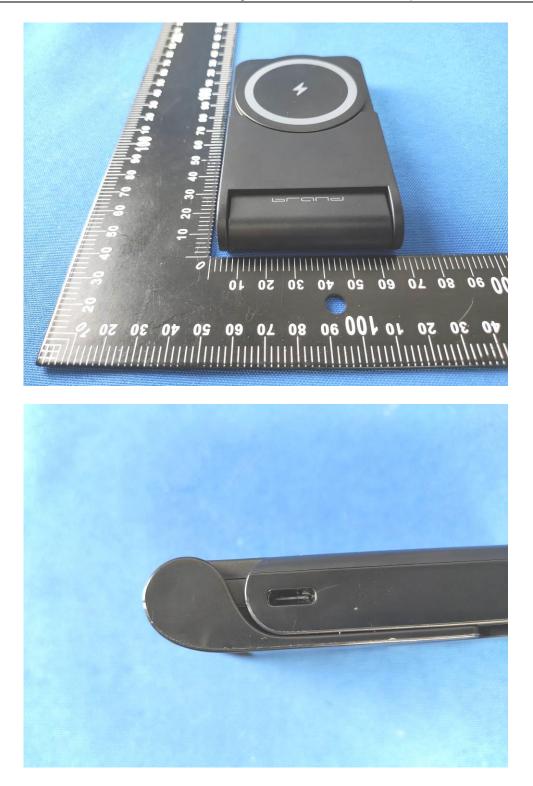


5. Photographs of EUT

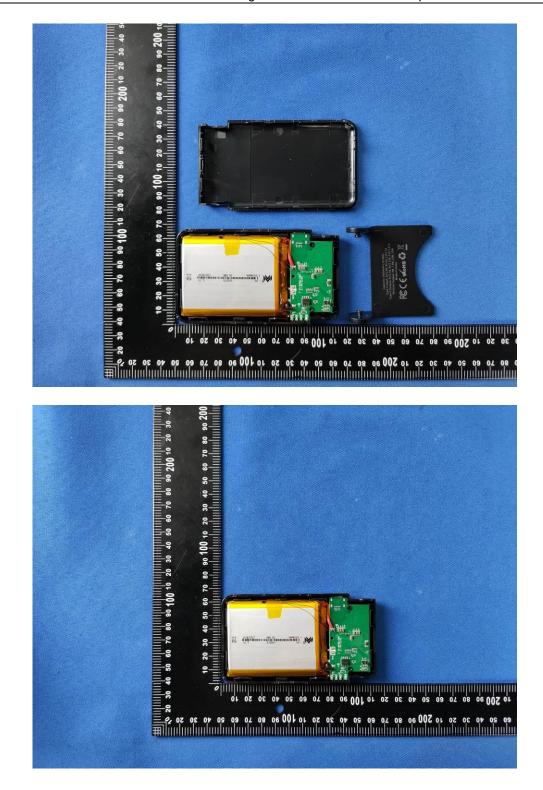


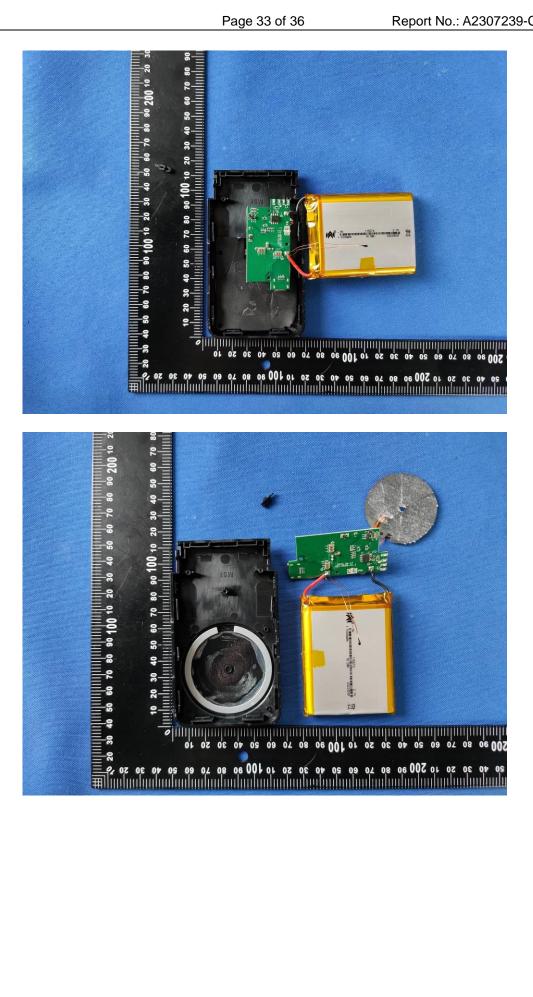


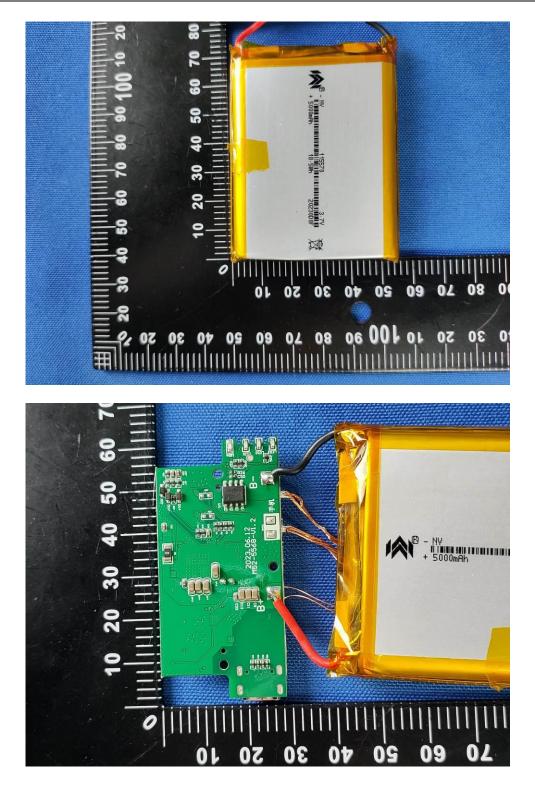


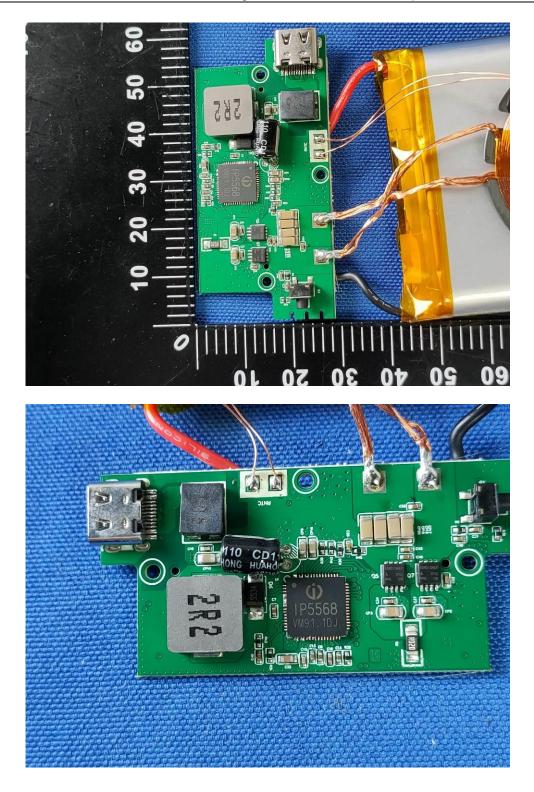


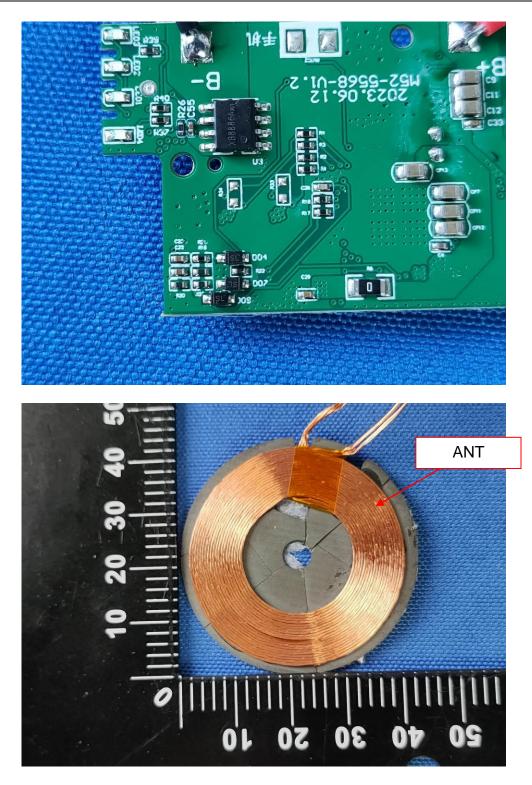












----- END OF REPORT------