Test Report No.: GJW2022-6151-RF1

RF Test Report

EUT : Wireless Charging Battery

MODEL: A1614

BRAND NAME : anker

APPLICANT : Anker Innovations Limited

Classification Of Test : N/A

CVC Testing Technology Co., Ltd.



Test Report No.:GJW2022-6151-RF1

Page 2 of 25

| | | Name :Anker Innovations Limited | | | | | |
|---|---------------------|--|-------------|-------------|-------------|--------------|------------|
| Client | | Address :Room 1318-19, Hollywood Plaza, 610 Nathan Road,Mongkok, Kowloon, Hongkong | | | | | |
| | | Name :Shenzhen Joway Power Supply Co., Ltd | | | | | |
| Manufacturer | | Address: 1-5/F of No.10 & No.11 Workshop of AnTuoShan High- Tech Industrial Park, Sha'Er Community, ShaJing Street, Bao'An District, Shenzhen, Guangdong, P. R. China. | | | | | |
| | | Name :Wireless | Chargi | ing Battei | ry | | |
| | | Model/Type:A16 | 14 | | | | |
| Equipment Unde | Trade mark :ank | er | | | | | |
| | | SerialNO.:N/A | | | | | |
| | | Sampe NO.:3-1 | | | | | |
| Date of Receipt. | 2022.07. | 14 | Date | of Testing | | 2022.07.14-2 | 2022.07.22 |
| Tes | ation | | Test Result | | | | |
| FCC Part 15, Subpart | C, Sectio | n 15.207, Section 15.209 | | | PASS | | |
| | | The equipr | ment ur | nder test v | was four | d to comply | with the |
| Evaluation of Test Ro | esult | requirements of the standards applied. | | | | | |
| | | Issue Date: 2022. | | | | 2022.07.22 | |
| Tested by: | | Reviewed by: | | | Арр | roved by: | |
| Xu Zhanfe | Xuzhanfei Linyongha | | | Charliner | | | ~ |
| Xu ZhenFei | | Liu YongHai | | | Chen HuaWen | | |
| Name Signatu | | Name Signature Name Signature | | | | | |
| Other Aspects: NON | L . | | | | | | |
| Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested | | | | | | | |

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.



Test Report No.:GJW2022-6151-RF1

Page 3 of 25

TABLE OF CONTENTS

| 1 | SUMMA | RRY OF TEST RESULTS | 5 |
|---|----------|--|----|
| | 1.1 LIST | r of test and measurement instruments | 6 |
| | 1.2 ME | ASUREMENT UNCERTAINTY | 7 |
| | 1.3 TES | T LOCATION | 7 |
| 2 | GENERA | L INFORMATION | 8 |
| | 2.1 GEN | NERAL PRODUCT INFORMATION | 8 |
| | 2.2 DES | SCRIPTION OF TEST MODE | 9 |
| | 2.3 GEN | NERAL DESCRIPTION OF APPLIED STANDARDS | 10 |
| | 2.4 DES | SCRIPTION OF SUPPORT UNITS | 10 |
| 3 | TEST TY | PES AND RESULTS | 11 |
| | 3.1 COI | NDUCTED EMISSION MEASUREMENT | 11 |
| | 3.1.1 | Limit | 11 |
| | 3.1.2 | Measurement procedure | 11 |
| | 3.1.3 | Test setup | 11 |
| | 3.1.4 | Test results | 12 |
| | 3.2 RAI | DIATED EMISSIONS | 14 |
| | 3.2.1 | Limits | 14 |
| | 3.2.2 | Measurement procedure | 15 |
| | 3.2.3 | Test setup | 16 |
| | 3.2.4 | Test results | |
| | 3.3 200 | B Bandwidth Measurement | |
| | 3.3.1 | Limits of 20dB Bandwidth Measurement | |
| | 3.3.2 | Measurement procedure | |
| | 3.3.3 | Test setup | |
| | 3.3.4 | Test results | 22 |
| 4 | РНОТО | GRAPHS OF TEST SETUP | 23 |
| 5 | PHOTO | GRAPHS OF THE FUT | 24 |



Test Report No.:GJW2022-6151-RF1

Page 4 of 25

RELEASE CONTROL RECORD

| ISSUE NO. | REASON FOR CHANGE | DATE ISSUED |
|------------------|-------------------|-------------|
| GJW2022-6151-RF1 | Original release | 2022.07.22 |



Test Report No.:GJW2022-6151-RF1

Page 5 of 25

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

| APPLIED STANDARD: FCC Part 15, Subpart C | | | | | | | | |
|--|-----------------------------|------|--------------------------------|--|--|--|--|--|
| FCC STANDARD SECTION TEST TYPE AND LIMIT RESULT REMARK | | | | | | | | |
| 15.203 | Antenna Requirement | PASS | No antenna connector is used. | | | | | |
| 15.207 | AC Power Conducted Emission | PASS | Power form adapter | | | | | |
| 15.209,15.205, | Radiated Emissions | PASS | Meet the requirement of limit. | | | | | |
| 15.215 (c) | 20dB Bandwidth Measurement | PASS | Meet the requirement of limit. | | | | | |



Test Report No.:GJW2022-6151-RF1

Page 6 of 25

1.1 LIST OF TEST AND MEASUREMENT INSTRUMENTS

| Test Equipment | | Type/Mode | SERIAL NO | • | Equipment No. | Manufacturer | Cal. Due |
|------------------------------------|--------|-----------|--------------|-----|------------------|--------------|------------|
| WIFI & Bluetooth Test System 1 | | | | | | | / |
| Communication Shielded Room | n 1 | 4m*3m*3m | CRTDSWKSR4 | 143 | VGDS-0699 | CRT | 2024/04/24 |
| Spectrum Analyzer | | FSV30 | 104337 | | DZ-000235 | R&S | 2022/11/03 |
| Programmable DC Power Supp | oly | E3642A | MY59108106 | | DZ-000242-2 | KEYSIGHT | 2022/08/05 |
| Test Equipment | Тур | e/Mode | SERIAL NO. | Ec | quipment No. | Manufacturer | Cal. Due |
| Radiation emission | | | | | | | / |
| EMI Test Receiver | N9038/ | A-508 | MY532290079 | E١ | Л-000397 | Agilent | 2023-03-03 |
| EMI Test Receiver | ESR7 | , | 102235 | VG | SDY-0956 | R&S | 2023-03-03 |
| EMI Test Receiver | N9038/ | A-508 | MY53290078 | E١ | Л-000396 | Agilent | 2023-03-03 |
| Spectrum Analyzer | N9010 | 3 | MY57470323 | DΖ | Z-000174 | KEYSIGHT | 2023-03-03 |
| Radio Communication Test | CMW5 | 00 | 156686 | E١ | Л-000623 | R&S | 2022-12-08 |
| Broadband Antenna(3m) | VULB 9 | 9163 | 9163-530 | E١ | Л-000342 | SCHWARZBECK | 2023-06-26 |
| Loop Antenna | FMZB1 | 513 | 1513-170 | E١ | Л-000384 | SCHWARZBECK | 2023-03-04 |
| Monopole antenna | HFH2-Z | Z6E | 101317 | E١ | Л-000613 | R&S | 2023-03-04 |
| Waveguide Horn Antenna | BBHA9 | 120B | 602 | E١ | Л-000383 | SCHWARZBECK | 2023-02-20 |
| Waveguide Horn Antenna | HF906 | ; | 360306/008 | WI | KNA-0024-8 | R&S | 2023-03-04 |
| Semi-Anechoic Chamber(3m) | FACT-4 | | ST08035 | WI | KNA-0024 | ETS | 2024-12-12 |
| Conducted emission | | | | | | | / |
| EMI Test Receiver | ESCI | | 100857 | ١ | WKNB-0081 | R&S | 2022-12-08 |
| EMI Test Receiver | ESR3 | | 102394 | ١ | /GDY-0705 | R&S | 2023-03-04 |
| LISN | NSLK 8 | 8127 | 8127644 | ١ | /GDY-0150 | SCHWARZBECK | 2022-09-01 |
| DC LISN | PVDC8 | 3301-017 | PVDC8301#17 | ١ | /GDY-0692 | SCHWARZBECK | 2022-06-07 |
| LISN | NSLK 8 | 8129 | 8129-268 | E | EM-000388 | SCHWARZBECK | 2023-03-03 |
| Plus Limiter (#1) | VTSD : | 9561 F-N | 00515 | ١ | /GDY-0808 | SCHWARZBECK | 2023-03-04 |
| Impedance Stabilization Network | ISN T8 | 00 | 27095 | ١ | WKNE-0195 | TESEQ | 2022-09-01 |
| Impedance Stabilization Network | NTFM8 | 3158 | 8158-0092 | ١ | /GDY-0356 | SCHWARZBECK | 2023-06-07 |
| ImpedanceStabilizationNetwork | NTFM8 | 3131 | #184 | E | EM-000498 | SCHWARZBECK | 2023-06-07 |
| Voltage Probe | TK942 | 0 | 9420-499 | ١ | /GDY-0128 | SCHWARZBECK | 2023-03-04 |
| Power Divider | 4901.1 | 7.B | 22643830 | [| DB-0016 | HUBER+SUHNER | 2023-09-01 |
| Video Signal Generator | GV-798 | 3+ | 151064920001 | ١ | /GDS-0215 | PROMAX | 2023-05-30 |
| AudioSignalGenerator | GAG-8 | 10 | EK871591 | E | EM-000309 | GW | 2022-12-08 |
| Shielding Room(#1) | GP1A | | 001 | ١ | WKNF-0001 | LEINING | 2024-08-08 |



Test Report No.:GJW2022-6151-RF1

Page 7 of 25

1.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

| No. | ITEM | FREQUENCY | UNCERTAINTY |
|-----|--------------------------------|---------------|-------------|
| 1 | Conducted Emissions | 9kHz~30MHz | ±2.66dB |
| | | 9KHz ~ 30MHz | ±0.769dB |
| 2 | Radiated Spurious Emissions | 30MHz ~ 1GMHz | ±0.877dB |
| | | 1GHz ~ 18GHz | ±0.777dB |
| | | 18GHz ~ 40GHz | ±1.315dB |

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

1.3 TEST LOCATION

The tests and measurements refer to this report were performed by EMC testing Lab. of CVC Testing Technology Co., Ltd.

Address: No.3, Tiantaiyi Road, Kaitai Avenue, Science City, Guangzhou, China

Post Code: 510663 Tel: 020-32293888

FAX: 020-32293889 E-mail: office@cvc.org.cn

Test Firm Registration Number: 937273



Test Report No.:GJW2022-6151-RF1

Page 8 of 25

2 GENERAL INFORMATION

2.1 GENERAL PRODUCT INFORMATION

| PRODUCT | Wireless Charging Battery |
|---------------------|---------------------------|
| BRAND | anker |
| MODEL | A1614 |
| ADDITIONAL MODEL | N/A |
| FCC ID | 2AOKB-A1614 |
| POWER SUPPLY | DC 5V From USB Host Unit |
| MODULATION TYPE | ASK |
| OPERATING FREQUENCY | 111KHz ~ 149KHz |
| ANTENNA TYPE | Coil Antenna |
| I/O PORTS | Refer to user's manual |
| CABLE SUPPLIED | N/A |

Remark:

- 1. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual
- 2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
- 3. Please refer to the EUT photo document for detailed EUT photo (GJW2022-6151-E).



Test Report No.:GJW2022-6151-RF1

Page 9 of 25

2.2 DESCRIPTION OF TEST MODE

The EUT were tested under the following modes, the final worst mode was marked in boldface and recorded in this repor

| | EMISSION Test Modes | | | | |
|-------|-------------------------------------|---------------------|--|--|--|
| ForC | onducted Emission Tests | | | | |
| | Test Mode | Test Voltage | | | |
| 1 | charging + wireless charging(7.5W) | DC 5V From Adapter | | | |
| 2 | charging + wireless charging (5W) | input AC 110V/50Hz | | | |
| For I | Radiated Emission Tests(9kHz~30MHz) | | | | |
| | Test Mode | Test Voltage | | | |
| 1 | charging + wireless charging(7.5W) | DC 5V From Adapter | | | |
| 2 | charging + wireless charging(5W) | input AC 110V/50Hz | | | |
| 3 | wireless charging(7.5W) | DO EV Ename Battama | | | |
| 4 | wireless charging (5W) | DC 5V From Battery | | | |
| For F | Radiated Emission Tests(30MHz~1GHz) | | | | |
| | Test Mode | Test Voltage | | | |
| 1 | charging + wireless charging (7.5W) | DC 5V From Adapter | | | |
| 2 | charging + wireless charging(5W) | input AC 110V/50Hz | | | |
| 3 | wireless charging(7.5W) | DC 5V From Pottory | | | |
| 4 | wireless charging (5W) | DC 5V From Battery | | | |



Test Report No.:GJW2022-6151-RF1

Page 10 of 25

2.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product, according to the specifications of the manufacturers. It must comply with the requirements of the following standards:

FCC PART 15, Subpart C. Section 15.209 ANSI C63.10-2020

All test items have been performed and recorded as per the above standards

2.4 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Garing | Cupport Equipment | | | | | | | | | |
|--------|-------------------------|----------------------|---------------|-------------------------|-----------------------|---------------|-----|-------------|--|--|
| | Support Equipment | | | | | | | | | |
| NO | Description | В | rand | Model No. Serial Nu | | umber | , | Supplied by | | |
| 1 | Wireless chargi load | ng | / | 15W | / | | Lab | | | |
| | | | | | | | | | | |
| | | | S | upport Cable | | | | | | |
| NO | Description | Quantity (Number) | Length (m) | Detachable (Yes/ No) | Shielded (Yes/ No) | Core (Numb | _ | Supplied by | | |
| 1 | N/A | N/A | N/A | N/A | N/A | N/A | | N/A | | |
| | | | | | | | | | | |



Test Report No.:GJW2022-6151-RF1

Page 11 of 25

3 TEST TYPES AND RESULTS

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 Limit

| Frequency | Conducted Limits(dBμV) | | | |
|------------|------------------------|-----------------------|--|--|
| (MHz) | Quasi-peak | Average | | |
| 0.15 - 0.5 | 66 to 56 * | 56 to 46 [*] | | |
| 0.5 - 5 | 56 | 46 | | |
| 5 - 30 | 60 | 50 | | |

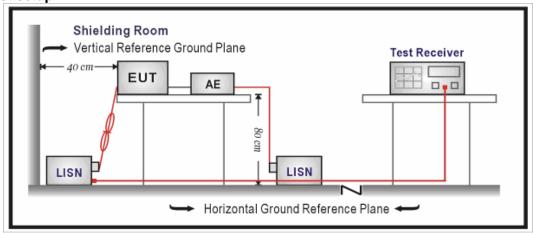
NOTE: 1. The lower limit shall apply at the transition frequencies.

NOTE: 2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

3.1.2 Measurement procedure

- a. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface. The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN. (Please refer to the Test photographs) Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source. The equipment under test shall be placed on a support of non-metallic material, the height of which shall be 1.5m above the ground,
- b. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- c. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.

3.1.3 Test setup





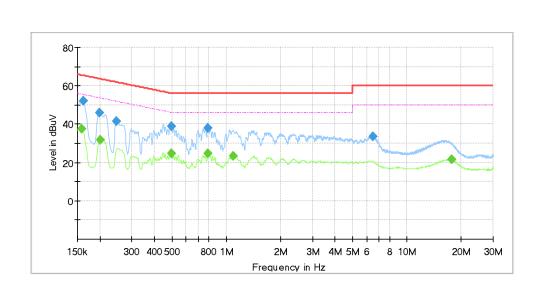
Test Report No.:GJW2022-6151-RF1

Page 12 of 25

3.1.4 Test results

CONDUCTED WORST-CASE DATA:

| Test Mode | Mode2 | Frequency Range | 150KHz ~ 30MHz |
|-----------------------------|-----------------|-----------------|----------------|
| Test Voltage | See section 2.2 | PHASE | Line (L) |
| Environmental Conditions | 26deg. C,51% RH | Tested By | Liu shiwei |



| NO | Frequency (MHz) | QuasiPeak (dBuV) | Average (dBuV) | Limit (dBuV) | Margin (dB) | Line | Corr.Factor (dB) |
|--------|--------------------|---------------------|-------------------|-----------------|----------------|--------|---------------------|
| 1 | 0.159 | | 37.5 | 55.5 | 18.0 | L1 | 19.5 |
| 2 | 0.161 | 52.1 | | 65.4 | 13.3 | L1 | 19.5 |
| 3 | 0.200 | 46.0 | | 63.6 | 17.7 | L1 | 19.5 |
| 4 | 0.202 | | 31.9 | 53.5 | 21.6 | L1 | 19.5 |
| 5 | 0.247 | 41.4 | | 61.9 | 20.4 | L1 | 19.5 |
| 6 | 0.494 | | 24.9 | 46.1 | 21.2 | L1 | 19.5 |
| 7 | 0.497 | 39.0 | | 56.1 | 17.1 | L1 | 19.5 |
| 8 | 0.791 | | 24.7 | 46.0 | 21.3 | L1 | 19.6 |
| 9 | 0.794 | 37.9 | | 56.0 | 18.1 | L1 | 19.6 |
| 10 | 1.091 | | 23.6 | 46.0 | 22.4 | L1 | 19.5 |
| 11 | 6.500 | 33.8 | | 60.0 | 26.2 | L1 | 19.7 |
| 12 | 17.592 | | 21.4 | 50.0 | 28.6 | L1 | 19.9 |
| Remark | The emission le | evels of other f | requencies we | re very low a | gainst the | limit. | |

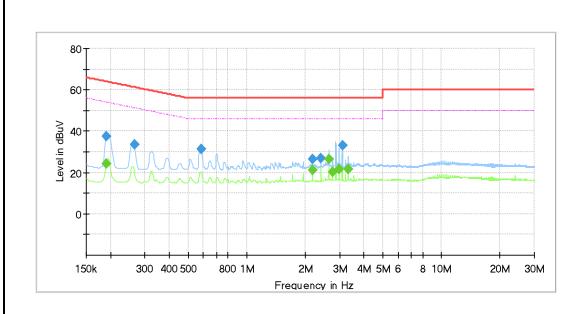
LTC-R-7069-FCC15.247-A0



Test Report No.:GJW2022-6151-RF1

Page 13 of 25

| Test Mode | Mode2 | Frequency Range | 150KHz ~ 30MHz |
|--------------------------|-----------------|-----------------|----------------|
| Test Voltage | See section 2.2 | PHASE | Line (L) |
| Environmental Conditions | 26deg. C,51% RH | Tested By | Liu shiwei |



| NO | Frequency (MHz) | QuasiPeak (dBuV) | Average (dBuV) | Limit (dBuV) | Margin (dB) | Line | Corr.Factor (dB) |
|----|--------------------|---------------------|-------------------|-----------------|----------------|------|---------------------|
| 1 | 0.191 | | 24.1 | 54.0 | 30.0 | N | 19.5 |
| 2 | 0.191 | 37.7 | | 64.0 | 26.3 | N | 19.5 |
| 3 | 0.265 | 33.4 | | 61.3 | 27.9 | N | 19.6 |
| 4 | 0.582 | 31.4 | | 56.0 | 24.6 | N | 19.6 |
| 5 | 2.180 | | 21.0 | 46.0 | 25.0 | N | 19.6 |
| 6 | 2.180 | 26.6 | | 56.0 | 29.4 | N | 19.6 |
| 7 | 2.407 | 26.7 | | 56.0 | 29.3 | N | 19.6 |
| 8 | 2.639 | | 26.6 | 46.0 | 19.4 | N | 19.6 |
| 9 | 2.753 | | 20.2 | 46.0 | 25.8 | N | 19.6 |
| 10 | 2.978 | | 21.4 | 46.0 | 24.6 | N | 19.6 |
| 11 | 3.098 | 32.9 | | 56.0 | 23.1 | N | 19.6 |
| 12 | 3.325 | | 21.5 | 46.0 | 24.5 | N | 19.6 |

Remark: The emission levels of other frequencies were very low against the limit.



Test Report No.:GJW2022-6151-RF1

Page 14 of 25

3.2 RADIATED EMISSIONS

3.2.1 Limits

Test Standard: Part 15C

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a). Other emissions shall be at least 20dB below the highest level of the desired power.

| FREQUENCIES (MHz) | FIELD STRENGTH (Microvolts/Meter) | MEASUREMENT DISTANCE (Meters) |
|-------------------|-----------------------------------|-------------------------------|
| 0.009 ~ 0.490 | 2400/F(kHz) | 300 |
| 0.490 ~ 1.705 | 24000/F(kHz) | 30 |
| 1.705 ~ 30.0 | 30 | 30 |
| 30 ~ 88 | 100 | 3 |
| 88 ~ 216 | 150 | 3 |
| 216 ~ 960 | 200 | 3 |
| Above 960 | 500 | 3 |

NOTE: 1. The lower limit shall apply at the transition frequencies.

NOTE: 2. Emission level (dBuV/m) = 20 log Emission level (uV/m).

NOTE: 3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.



Test Report No.:GJW2022-6151-RF1

Page 15 of 25

3.2.2 Measurement procedure

Test Standard: Part 15C

- a. The EUT was placed on the top of a rotating table 1.5 meters(above 1GHz) and 0.8 meters(below 1GHz) above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. For below 1GHz was used bilog antenna, and above 1GHz was used horn antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. For below 30MHz, a loop antenna with its vertical plane is place 3m from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. And the centre of the loop shall be 1m above the ground.
- g. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, For battery operated equipment, the equipment tests shall be perform using fresh batteries. The turntable was rotated to maximize the emission level.

NOTE:

- The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection at frequency below 1GHz.
- 2. The resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
- 3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is ≥ 1/T (Duty cycle < 98%) or 10Hz(Duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.
- 4. All modes of operation were investigated and the worst-case emissions are reported.
- 5. The testing of the EUT was performed on all 3 orthogonal axes; the worst-case test configuration was reported on the file test setup photo.

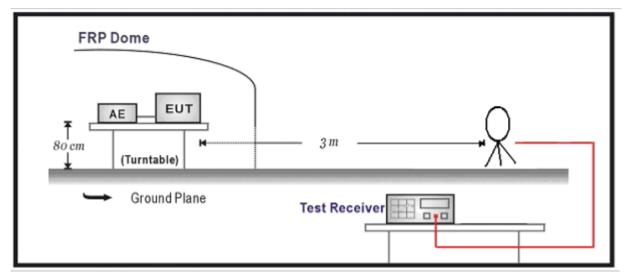


Test Report No.:GJW2022-6151-RF1

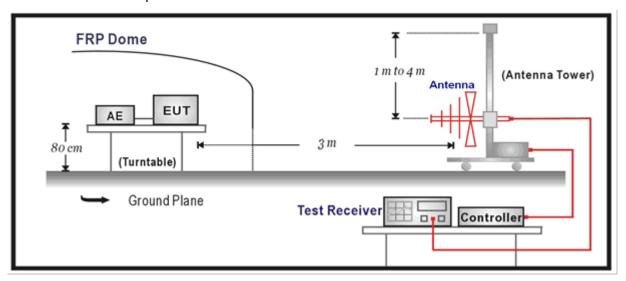
Page 16 of 25

3.2.3 Test setup

Below 30MHz Test Setup:



Below 1GHz Test Setup:





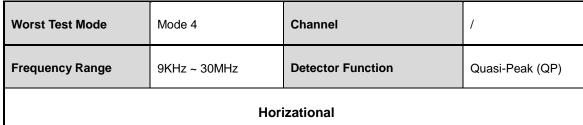
Test Report No.:GJW2022-6151-RF1

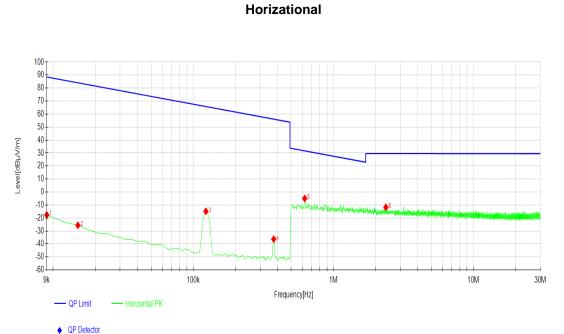
Page 17 of 25

3.2.4 Test results

Results under test standard PART 15C:

9KHz ~ 30MHz WORST-CASE DATA:





| NO | Freq. | Reading | Factor | Level | Limit | Margin | Height | Angle |
|----|--------|----------|--------|----------|----------|--------|--------|-------|
| | [MHz] | [dBµV/m] | [dB] | [dBµV/m] | [dBµV/m] | [dB] | [cm] | [°] |
| 1 | 0.0090 | 41.88 | -59.48 | -17.60 | 88.52 | 106.12 | 100 | 52 |
| 2 | 0.0150 | 33.79 | -59.39 | -25.60 | 84.08 | 109.68 | 100 | 196 |
| 3 | 0.1230 | 44.62 | -59.43 | -14.81 | 65.81 | 80.62 | 100 | 70 |
| 4 | 0.3749 | 22.82 | -59.05 | -36.23 | 56.13 | 92.36 | 100 | 70 |
| 5 | 0.6239 | 13.90 | -18.85 | -4.95 | 31.70 | 36.65 | 100 | 276 |
| 6 | 2.3695 | 7.32 | -19.06 | -11.74 | 29.57 | 41.31 | 100 | 230 |

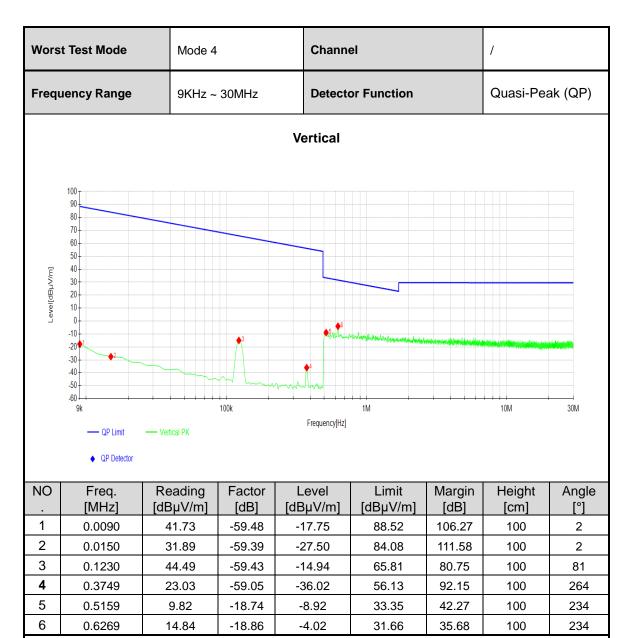
Remark:1. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).

- 2. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
- 3. Margin(dB) = Limit[dB μ V/m] Level [dB μ V/m]



Test Report No.:GJW2022-6151-RF1

Page 18 of 25



Remark:1. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).

- 2. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
- 3. $Margin(dB) = Limit[dB\mu V/m] Level [dB\mu V/m]$



Test Report No.:GJW2022-6151-RF1

Page 19 of 25

30MHz ~ 1GHz WORST-CASE DATA:

| Worst Test Mode Mode 1 | | | Channe | Channel | | | / | |
|--------------------------------|--|---------------------|-------------------|-----------------|-------------------|----------------|-------------|--------------|
| Frequ | Frequency Range 30MHz ~ 1GHz Detector Function | | | Quasi-Peak (QP) | | | | |
| | Horizontal | | | | | | | |
| [w]/\rightarrow [\rightarrow] | 50 | — Horizontal PK | 100M | Frequency[Hz] | S C | | | 16 |
| NO | Freq. [MHz] | Reading [dBµV/m] | Level [dBµV/m] | Factor [dB] | Limit [dBµV/m] | Margin [dB] | Height [cm] | Angle [°] |
| 1 | 36.1116 | 6.71 | 19.11 | 25.82 | 40.00 | 14.18 | 100 | 103 |
| 2 | 65.0205 | 5.44 | 17.96 | 23.40 | 40.00 | 16.60 | 100 | 263 |
| 3 | 88.7879 | 9.45 | 15.55 | 25.00 | 43.50 | 18.50 | 200 | 31 |
| 4 | 148.4488 | 6.02 | 20.36 | 26.38 | 43.50 | 17.12 | 200 | 181 |
| 5 | 192.0062 | 10.09 | 17.15 | 27.24 | 43.50 | 16.26 | 200 | 128 |
| | | | | | l | ı | ı | 1 |

Remark:1. Level (dBuV/m) = Reading (dBuV/m) + Factor (dB).

5.50

313.2683

2. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).

25.66

46.00

20.34

100

131

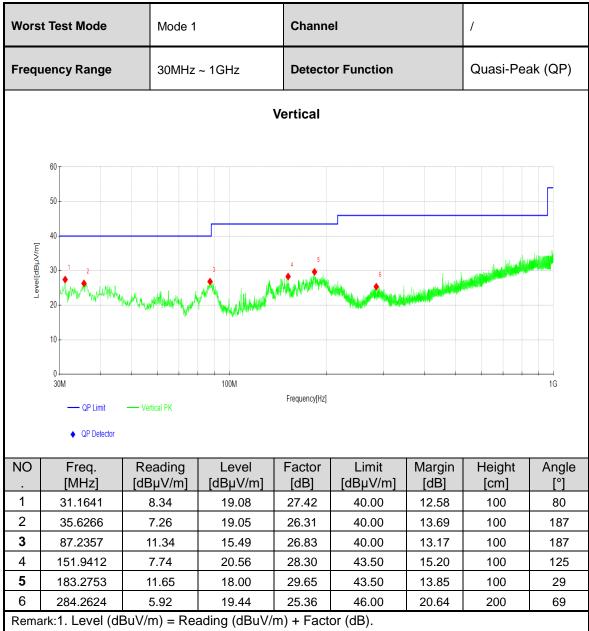
20.16

3. $Margin(dB) = Limit[dB\mu V/m] - Level [dB\mu V/m]$



Test Report No.:GJW2022-6151-RF1

Page 20 of 25



- 2. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
- 3. Margin(dB) = Limit[dB μ V/m] Level [dB μ V/m]

Test Report No.:GJW2022-6151-RF1

Page 21 of 25

3.3 20dB Bandwidth Measurement

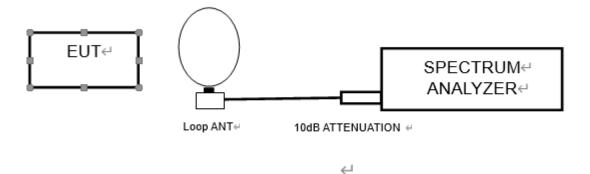
3.3.1 Limits of 20dB Bandwidth Measurement

The field strength of any emissions appearing between the band edges and out of band shall be attenuated at least 20 dB below the level of the unmodulated carrier or to the general limits in Section 15.209.

3.3.2 Measurement procedure

- a. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- b. Turn on the EUT, then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- c. Measure the frequency difference of two frequencies that were attenuated 20dB from the reference level. Record the frequency difference as the emission bandwidth.
- d. Repeat above procedures until all frequencies measured were complete.

3.3.3 Test setup





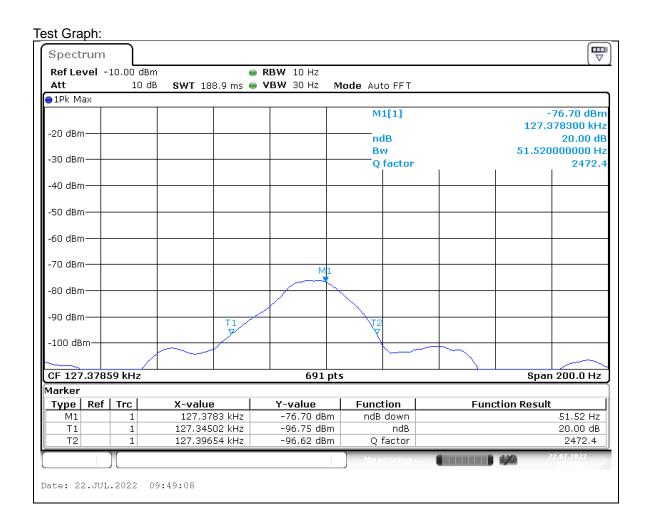
Test Report No.:GJW2022-6151-RF1

Page 22 of 25

3.3.4 Test results

| TEST MODE | CHANNEL FREQUENCY(KHz) | 20dB BANDWIDTH(Hz) |
|--|------------------------|--------------------|
| Wireless Charging(7.5W) + Charging from Adapter | 127.378 | 51.52 |

| Lower & Upper Test Frequency Point (MHz) | Test Frequency (KHz) | P/F |
|--|-------------------------|------|
| Lower | 127.345 | PASS |
| Upper | 127.396 | PASS |





Test Report No.:GJW2022-6151-RF1

Page 23 of 25

4 PHOTOGRAPHS OF TEST SETUP

Please refer to the attached file (Test Photos).



Test Report No.:GJW2022-6151-RF1

Page 24 of 25

5 PHOTOGRAPHS OF THE EUT

Please refer to the attached file (External Photos report and Internal Photos).



Test Report No.:GJW2022-6151-RF1

Page 25 of 25

Important

- (1) The test report is valid with the official seal of the laboratory and the signatures of Test engineer, Author and Reviewer simultaneously.
- (2) The test report is invalid if altered.
- (3) Any photocopies or part photocopies in the test report are forbidden without the written permission from the laboratory.
- (4) Objections to the test report must be submitted to the laboratory within 15 days.
- (5) Generally, commission test is responsible for the tested samples only.

Address of the laboratory:

CVC Testing Technology Co., Ltd.

Address: No.3, Tiantaiyi Road, Kaitai Avenue, Science City, Guangzhou, China

Post Code: 510663 Tel: 020-32293888

FAX: 020-32293889 E-mail: office@cvc.org.cn