

TEST REPORT

Product Name : PowerThru™ Wireless Car Charger
Brand Mark : CASETIFY
Model No. : CTF-T-ATE-232313FRE
Extension Model : CTF-T-ATE-232313FREBLK,
CTF-T-ATE-232313FREWHT,
CTF-T-ATE-232313FREPNK,
CTF-T-ATE-232313FREBLU
FCC ID : 2ASRV-232313FRE
Report Number : BLA-EMC-202403-A1102
Date of Sample Receipt : 2024/3/5
Date of Test : 2024/3/9 to 2024/3/19
Date of Issue : 2024/3/19
Test Standard : FCC PART 15 Subpart C
Test Result : Pass



Prepared for:

Casetagram Limited

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Prepared by:

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Date:

2024/3/19



REPORT REVISE RECORD

| Version No. | Date | Description |
|--------------------|-------------|--------------------|
| 00 | 2024/3/19 | Original |

BLUEASIA

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1 TEST SUMMARY

| Item | FCC Part No. | Description of Test | Result |
|------|-----------------|---------------------|--------|
| 1 | FCC PART 15.207 | Conducted emission | Pass |
| 2 | FCC PART 15.209 | Radiated emission | Pass |
| 3 | FCC Part 15.215 | 20dB bandwidth | Pass |

BLUEASIA

2 GENERAL INFORMATION

| | |
|------------------------|---|
| Applicant | Casetagram Limited |
| Address | 18/F,NEO,123 Hoi Bun Road,Kwun Tong,Hong Kong |
| Manufacturer | Casetagram Limited |
| Address | 18/F,NEO,123 Hoi Bun Road,Kwun Tong,Hong Kong |
| Factory | Huizhou CCA Industrial Co. Ltd. |
| Address | Section B,2nd Floor,Section B1,1st Floor,Section A,1st-4th Floor, Building A,No.122,Hongchuan Avenue North,Tongqiao, Zhongkai state, Huizhou city |
| Product Name | PowerThru™ Wireless Car Charger |
| Test Model No. | CTF-T-ATE-232313FRE |
| Extension Model | CTF-T-ATE-232313FREBLK,CTF-T-ATE-232313FREWHT, CTF-T-ATE-232313FREPNK,CTF-T-ATE-232313FREBLU |
| Remark | Colour Differences |

3 GENERAL DESCRIPTION OF E.U.T.

| | |
|-----------------------------|------------------------------------|
| Hardware Version | QI-2388A Qi2MPP NU223_V0 |
| Software Version | NU223_V0 |
| Operation Frequency: | BPP/EPP:115-205KHz;MPP:360KHz |
| Modulation type: | Backscatter modulation |
| Antenna Type: | Inductive loop coil Antenna |
| Antenna Gain: | 0dBi (Max) |
| Supply Power: | Input: 9V/2.22A Output: 15W Max |

4 TEST MODE

| TEST MODE | TEST MODE DESCRIPTION |
|---|--|
| TM1 | Keep the EUT in Wireless charging mode |
| Remark: Only the data of the worst mode would be recorded in this report. | |

5 MEASUREMENT UNCERTAINTY

| Parameter | Expanded Uncertainty (Confidence of 95%) |
|----------------------------------|--|
| Radiated Emission | $\pm 4.34\text{dB}$ |
| Radiated Emission | $\pm 4.24\text{dB}$ |
| Radiated Emission | $\pm 4.68\text{dB}$ |
| AC Power Line Conducted Emission | $\pm 3.45\text{dB}$ |

6 DESCRIPTION OF SUPPORT UNIT

| Device Type | Manufacturer | Model Name | Serial No. | Remark |
|---------------------------|--------------|---------------|------------|----------|
| AC Adapter | QCY | PB23GN202GBA | N/A | From lab |
| Wireless charging mutagen | YBZ | N/A | N/A | N/A |
| Mobile | iPhone | iPhone 14 Pro | N/A | From lab |

7 TEST FACILITY

The test facility is recognized, certified, or accredited by the following organizations:

- FCC — Designation No.: CN1252

BlueAsia of Technical Services(Shenzhen) Co., Ltd has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files. Designation CN1252.

- ISED — CAB identifier No.: CN0028

BlueAsia of Technical Services(Shenzhen) Co., Ltd has been registered by Certification and Engineering Bureau of ISED for radio equipment testing with CAB identifier CN0028.

8 LABORATORY LOCATION

All tests were performed at:

BlueAsia of Technical Services(Shenzhen) Co., Ltd.

Building C, No. 107, Shihuan Road, Shiyuan Sub-District, Baoan District, Shenzhen, Guangdong Province, China

Telephone: TEL: +86-755-28682673 FAX: +86-755-28682673

No tests were sub-contracted.

9 TEST INSTRUMENTS LIST

| Test Equipment Of Radiated Spurious Emissions | | | | | |
|---|--------------|------------------------|------------------|------------|------------|
| Equipment | Manufacturer | Model | S/N | Cal.Date | Cal.Due |
| Chamber 1 | SKET | 966 | N/A | 2023/11/16 | 2026/11/15 |
| Chamber 2 | SKET | 966 | N/A | 2021/07/20 | 2024/07/19 |
| Spectrum | R&S | FSP40 | 100817 | 2023/08/30 | 2024/08/29 |
| Receiver | R&S | ESR7 | 101199 | 2023/08/30 | 2024/08/29 |
| Receiver | R&S | ESPI7 | 101477 | 2023/07/07 | 2024/07/06 |
| broadband Antenna | Schwarzbeck | VULB9168 | 00836 P:00227 | 2022/10/12 | 2025/10/11 |
| Horn Antenna | Schwarzbeck | BBHA9120D | 01892 P:00331 | 2022/09/13 | 2025/09/12 |
| Horn Antenna | Schwarzbeck | BBHA 9170 | 1106 | 2022/04/24 | 2024/04/23 |
| Amplifier | SKET | LNPA_30M01G-30 | SK2021060801 | 2023/07/07 | 2024/07/06 |
| Amplifier | SKET | PA-000318G-45 | N/A | 2023/08/30 | 2024/08/29 |
| Amplifier | SKET | LNPA_18G40G-50 | SK2022071301 | 2023/07/14 | 2024/07/13 |
| Filter group | SKET | 2.4G/5G Filter group r | N/A | 2023/07/07 | 2024/07/06 |
| EMI software | EZ | EZ-EMC | EEMC-3A1 | N/A | N/A |
| Loop antenna | SCHNARZBECK | FMZB1519B | 00102 | 2022/09/14 | 2025/09/13 |
| 1kHz calibration audio source | SKET | MCS-ABT-C35 | N/A | 2023/09/04 | 2024/09/03 |
| Free Field Microphone | SKET | MGs MP 663 | 0414 | 2023/09/04 | 2024/09/03 |
| Audio shielding box | SKET | SB-ABT-C35 | N/A | 2023/03/30 | 2024/03/29 |
| Controller | SKET | N/A | N/A | N/A | N/A |
| Coaxial Cable | BlueAsia | BLA-XC-02 | N/A | N/A | N/A |
| Coaxial Cable | BlueAsia | BLA-XC-03 | N/A | N/A | N/A |
| Coaxial Cable | BlueAsia | BLA-XC-01 | N/A | N/A | N/A |
| Signal Generator DTV | ECREDIX | DSG-1000 | N/A | N/A | N/A |

Test Equipment Of Conducted Emissions at AC Power Line (150kHz-30MHz)

| Equipment | Manufacturer | Model | S/N | Cal.Date | Cal.Due |
|---|--------------|------------|---------------|------------|------------|
| Shield room | SKET | 833 | N/A | 2023/11/16 | 2025/11/15 |
| Receiver | R&S | ESPI3 | 101082 | 2023/08/30 | 2024/08/29 |
| LISN | R&S | ENV216 | 3560.6550.15 | 2023/08/30 | 2024/08/29 |
| LISN | AT | AT166-2 | AKK1806000003 | 2023/08/30 | 2024/08/29 |
| ISN | TESEQ | ISNT8-cat6 | 53580 | 2023/08/30 | 2024/08/29 |
| Single-channel vehicle artificial power network | Schwarzbeck | NNBM 8124 | 01045 | 2023/07/07 | 2024/07/06 |
| Single-channel vehicle artificial power network | Schwarzbeck | NNBM 8124 | 01075 | 2023/07/07 | 2024/07/06 |
| EMI software | EZ | EZ-EMC | EEMC-3A1 | N/A | N/A |

10 RADIATED SPURIOUS EMISSIONS

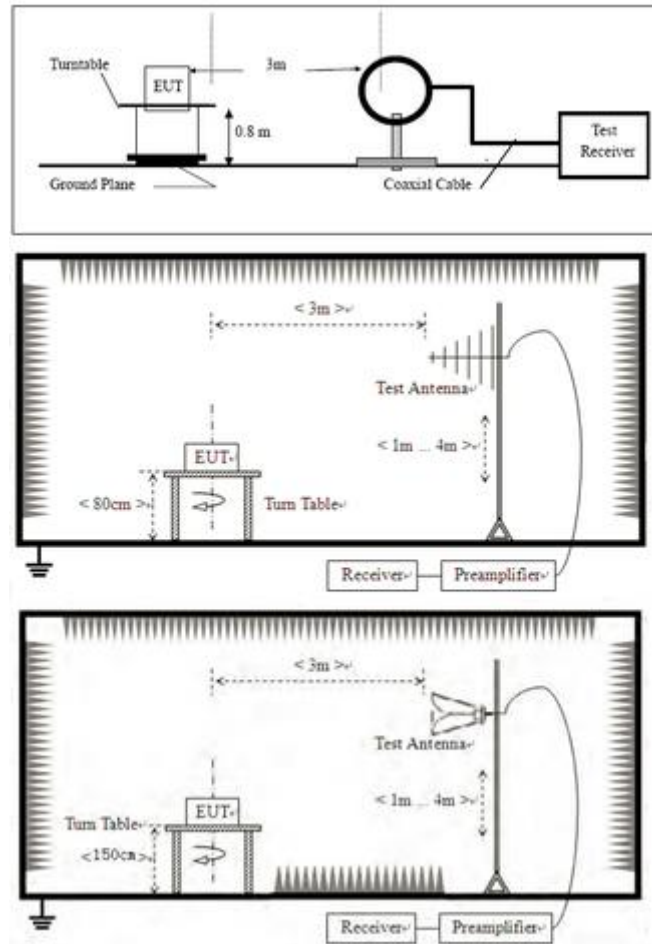
| | |
|-------------------------------|--|
| Test Standard | FCC PART 15.209 |
| Test Method | ANSI C63.10 (2013) Section 6.4,6.5,6.6 |
| Test Mode (Pre-Scan) | TM1 |
| Test Mode (Final Test) | TM1 |
| Tester | York |
| Temperature | 21°C |
| Humidity | 55% |

10.1 LIMITS

| Frequency(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 |

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

10.2 BLOCK DIAGRAM OF TEST SETUP



10.3 PROCEDURE

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna 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.
- 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 (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

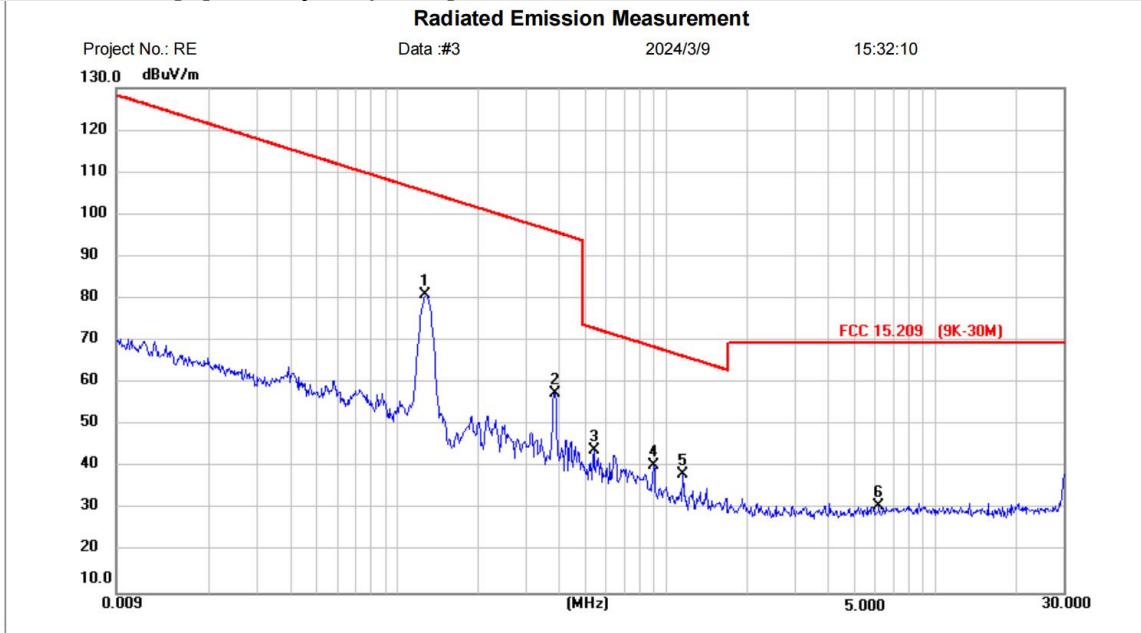
Remark:

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, the disturbance above 12.75GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. fundamental frequency is blocked by filter, and only spurious emission is shown.
- 4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

10.4 TEST DATA

Below 1GHz:0.009-30MHz
BPP/EPP

[TestMode: TM1]; [Polarity: coplane]

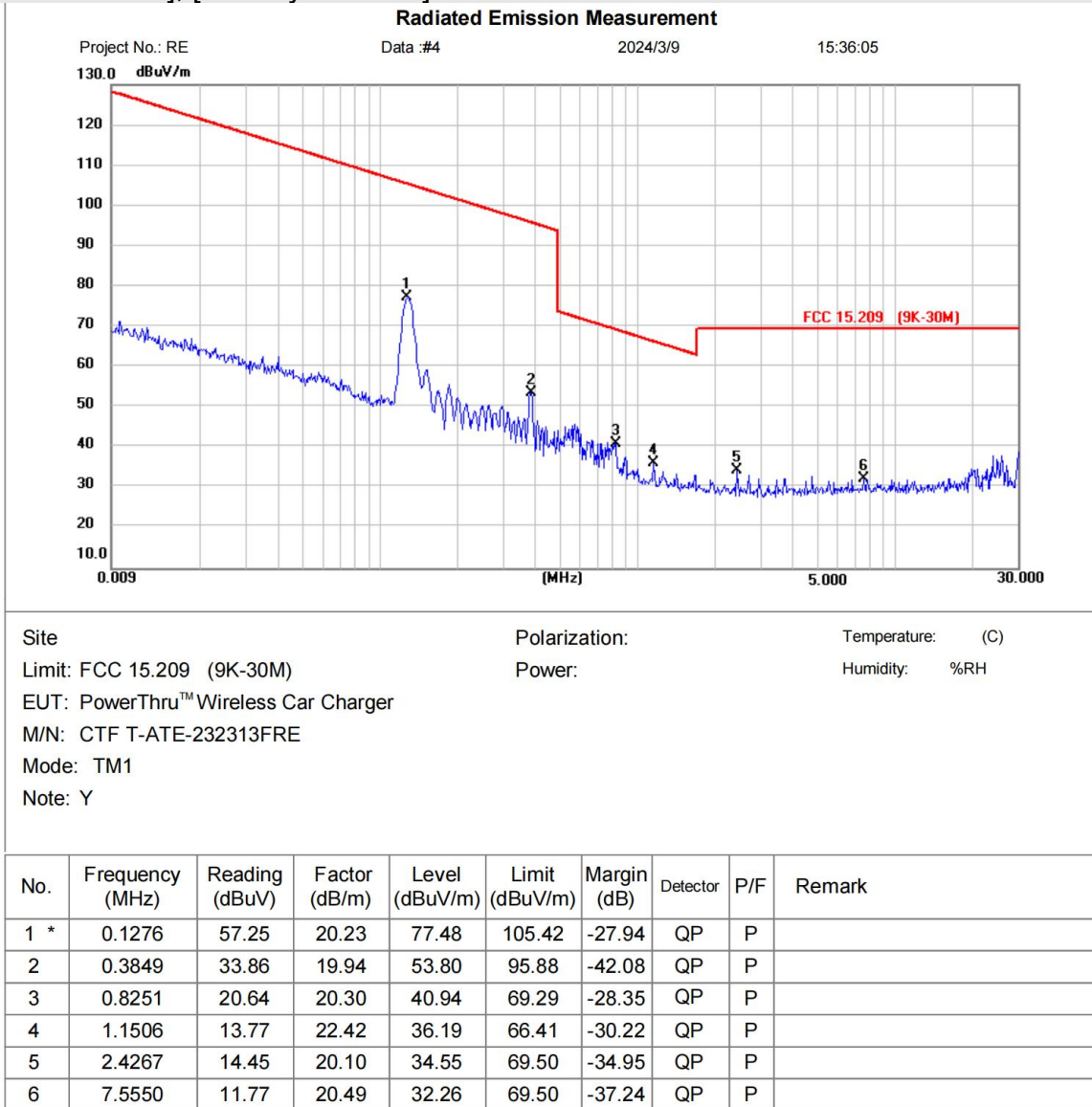


Site: Polarization: Temperature: (C)
Limit: FCC 15.209 (9K-30M) Power: Humidity: %RH
EUT: PowerThru™ Wireless Car Charger
M/N: CTF T-ATE-232313FRE
Mode: TM1
Note: X

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1 * | 0.1276 | 60.69 | 20.23 | 80.92 | 105.42 | -24.50 | QP | P | |
| 2 | 0.3849 | 37.59 | 19.94 | 57.53 | 95.88 | -38.35 | QP | P | |
| 3 | 0.5367 | 24.06 | 19.96 | 44.02 | 73.01 | -28.99 | QP | P | |
| 4 | 0.8948 | 20.16 | 20.24 | 40.40 | 68.58 | -28.18 | QP | P | |
| 5 | 1.1506 | 15.89 | 22.42 | 38.31 | 66.41 | -28.10 | QP | P | |
| 6 | 6.1682 | 10.56 | 20.24 | 30.80 | 69.50 | -38.70 | QP | P | |

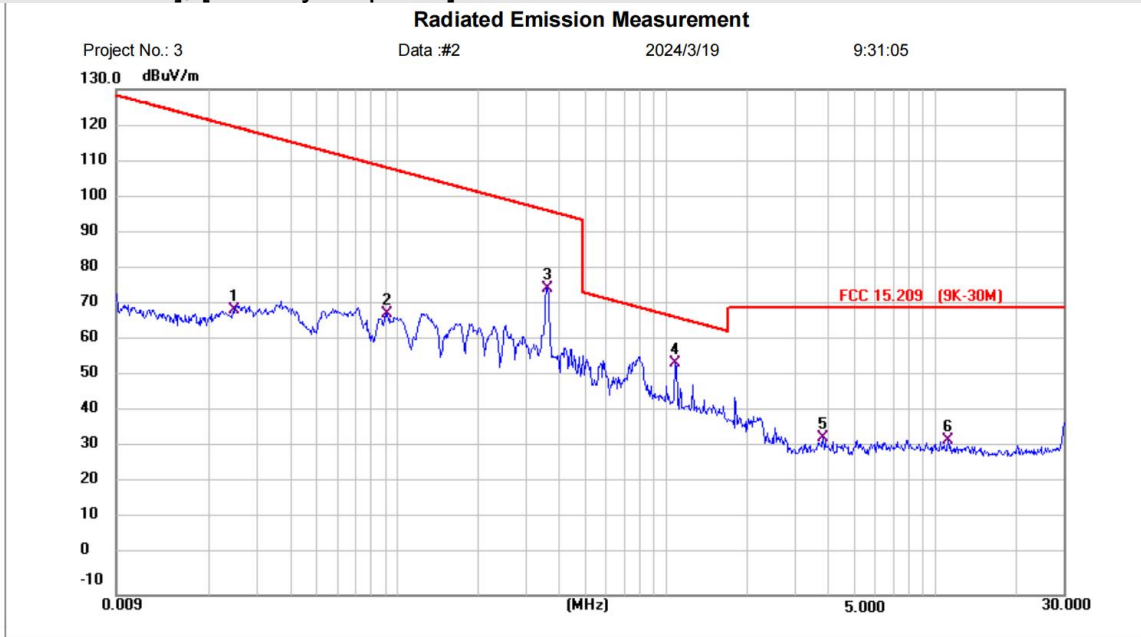
Test Result: Pass

[TestMode: TM1]; [Polarity: Coaxial]


Test Result: Pass

MPP

[TestMode: TM1]; [Polarity: coplane]

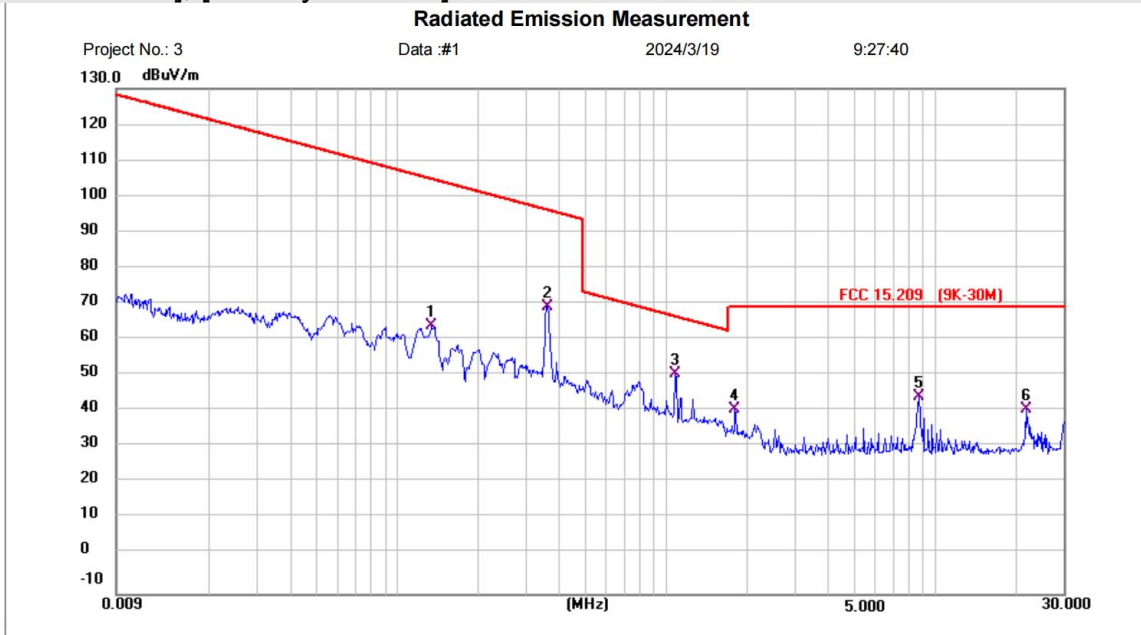


Site: Polarization: Temperature: (C)
 Limit: FCC 15.209 (9K-30M) Power: Humidity: %RH
 EUT: PowerThrutm Wireless Car Charger
 M/N: CTF T-ATE-232313FRE
 Mode: TM1
 Note: X

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1 | 0.0247 | 48.72 | 20.29 | 69.01 | 119.59 | -50.58 | QP | P | |
| 2 | 0.0916 | 47.91 | 20.13 | 68.04 | 108.28 | -40.24 | QP | P | |
| 3 | 0.3607 | 55.02 | 19.99 | 75.01 | 96.44 | -21.43 | QP | P | |
| 4 * | 1.0783 | 32.03 | 22.29 | 54.32 | 66.97 | -12.65 | QP | P | |
| 5 | 3.8222 | 13.37 | 20.15 | 33.52 | 69.50 | -35.98 | QP | P | |
| 6 | 11.1514 | 12.68 | 20.06 | 32.74 | 69.50 | -36.76 | QP | P | |

Test Result: Pass

[TestMode: TM1]; [Polarity: Coaxial]



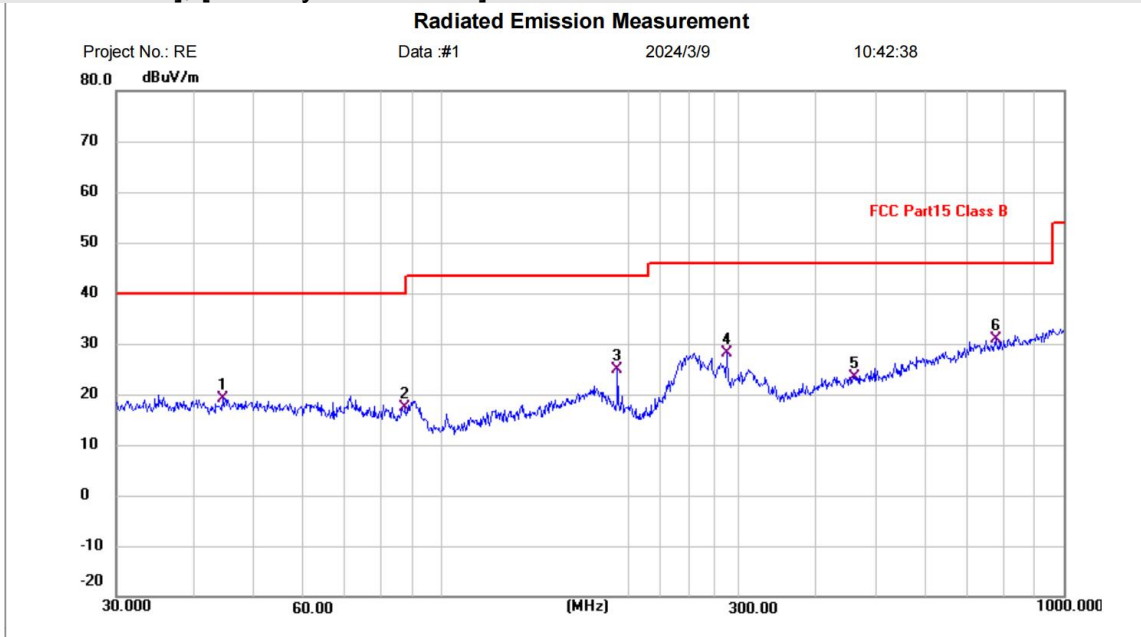
| | | |
|---------------------------------------|---------------|------------------|
| Site | Polarization: | Temperature: (C) |
| Limit: FCC 15.209 (9K-30M) | Power: | Humidity: %RH |
| EUT: PowerThrutm Wireless Car Charger | | |
| M/N: CTF T-A TE-232313FRE | | |
| Mode: TM1 | | |
| Note: Y | | |

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1 | 0.1340 | 43.99 | 20.22 | 64.21 | 104.99 | -40.78 | QP | P | |
| 2 | 0.3607 | 49.56 | 19.99 | 69.55 | 96.44 | -26.89 | QP | P | |
| 3 * | 1.0783 | 28.85 | 22.29 | 51.14 | 66.97 | -15.83 | QP | P | |
| 4 | 1.7975 | 21.25 | 20.06 | 41.31 | 69.50 | -28.19 | QP | P | |
| 5 | 8.6720 | 24.46 | 20.37 | 44.83 | 69.50 | -24.67 | QP | P | |
| 6 | 21.6873 | 42.76 | -1.53 | 41.23 | 69.50 | -28.27 | QP | P | |

Test Result: Pass

30-1000MHz

[TestMode: TM1]; [Polarity: Horizontal]

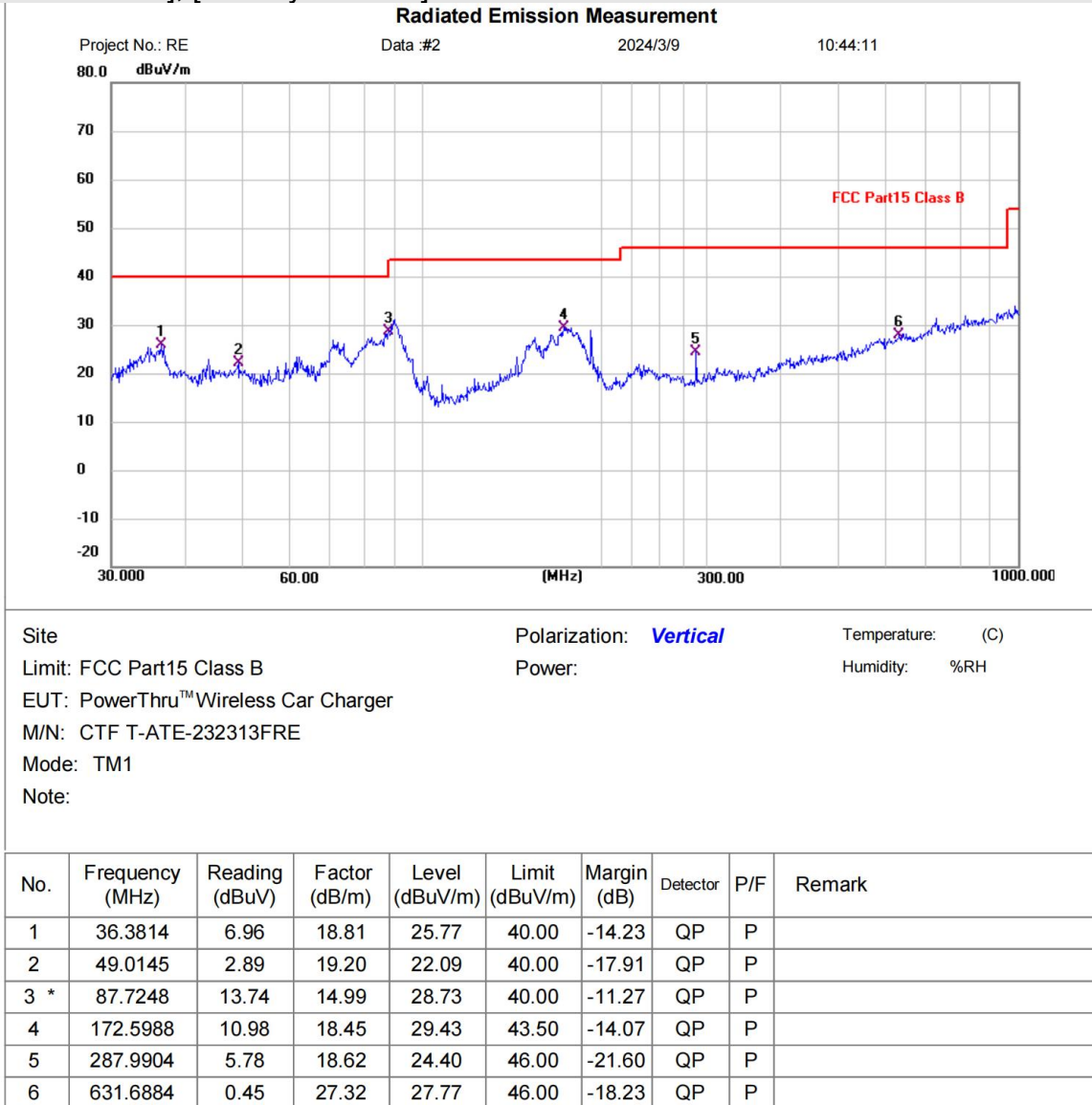


Site: Polarization: **Horizontal** Temperature: (C)
 Limit: FCC Part15 Class B Power: Humidity: %RH
 EUT: PowerThru™ Wireless Car Charger
 M/N: CTF T-ATE-232313FRE
 Mode: TM1
 Note:

| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB/m) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | P/F | Remark |
|-----|-----------------|----------------|---------------|----------------|----------------|-------------|----------|-----|--------|
| 1 | 44.4307 | -0.10 | 19.28 | 19.18 | 40.00 | -20.82 | QP | P | |
| 2 | 87.4176 | 2.49 | 14.84 | 17.33 | 40.00 | -22.67 | QP | P | |
| 3 | 191.7450 | 8.82 | 16.08 | 24.90 | 43.50 | -18.60 | QP | P | |
| 4 | 287.9904 | 9.58 | 18.62 | 28.20 | 46.00 | -17.80 | QP | P | |
| 5 | 460.7271 | -0.15 | 23.49 | 23.34 | 46.00 | -22.66 | QP | P | |
| 6 * | 776.8778 | 1.60 | 29.26 | 30.86 | 46.00 | -15.14 | QP | P | |

Test Result: Pass

[TestMode: TM1]; [Polarity: Vertical]



Test Result: Pass

11 CONDUCTED EMISSIONS AT AC POWER LINE (150KHZ-30MHZ)

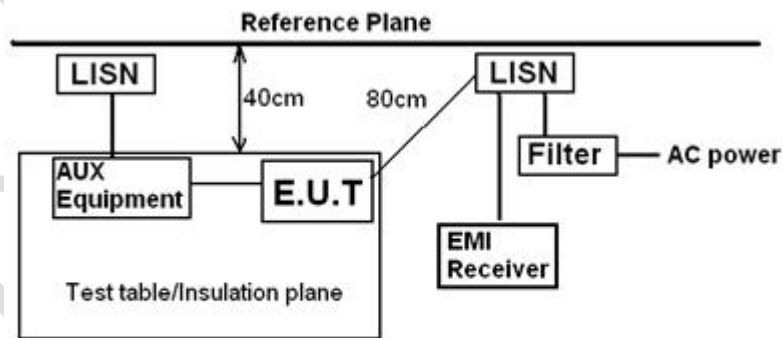
| | |
|------------------------|--------------------------------|
| Test Standard | FCC PART 15.207 |
| Test Method | ANSI C63.10 (2013) Section 6.2 |
| Test Mode (Pre-Scan) | TM1 |
| Test Mode (Final Test) | TM1 |
| Tester | York |
| Temperature | 21°C |
| Humidity | 55% |

11.1 LIMITS

| Frequency of emission(MHz) | Conducted limit(dBμV) | |
|----------------------------|-----------------------|-----------|
| | Quasi-peak | Average |
| 0.15-0.5 | 66 to 56* | 56 to 46* |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

*Decreases with the logarithm of the frequency.

11.2 BLOCK DIAGRAM OF TEST SETUP



Remark:
 E.U.T: Equipment Under Test
 LISN: Line Impedance Stabilization Network
 Test table height=0.8m

11.3 PROCEDURE

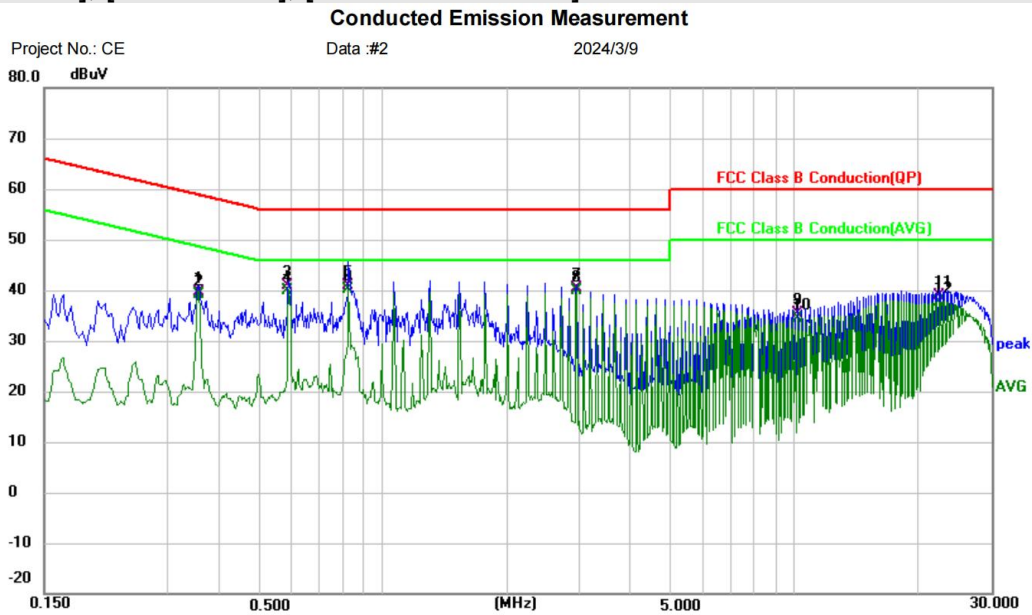
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50H + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
 - 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
 - 5) 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 on conducted measurement.
- Remark: LISN=Read Level+ Cable Loss+ LISN Factor

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11.4 TEST DATA

[TestMode: TM1]; [Line: Neutral]; [Power:120V/60Hz]



| | | |
|--------------------------------------|-----------------|-------------------|
| Site | Phase: N | Temperature: (C) |
| Limit: FCC Class B Conduction(QP) | Power: | Humidity: %RH |
| EUT: PowerThru™ Wireless Car Charger | Distance: | RBW: 9 KHz |
| M/N: CTF T-ATE-232313FRE | | VBW: 30 KHz |
| Mode: TM1 | | Sweep Time: 10 ms |
| Note: | | |

| No. | Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | |
|-----|-----|---------|---------------|----------------|-------------|-------|--------|----------------|--------------|---------|
| | | MHz | dBuV | dB | dBuV | dBuV | dB | cm | degree | Comment |
| 1 | | 0.3540 | 29.94 | 9.81 | 39.75 | 58.87 | -19.12 | | | QP |
| 2 | | 0.3540 | 29.43 | 9.81 | 39.24 | 48.87 | -9.63 | | | AVG |
| 3 | | 0.5899 | 30.98 | 9.85 | 40.83 | 56.00 | -15.17 | | | QP |
| 4 | | 0.5899 | 29.96 | 9.85 | 39.81 | 46.00 | -6.19 | | | AVG |
| 5 | | 0.8260 | 31.02 | 9.90 | 40.92 | 56.00 | -15.08 | | | QP |
| 6 | * | 0.8260 | 30.22 | 9.90 | 40.12 | 46.00 | -5.88 | | | AVG |
| 7 | | 2.9500 | 30.32 | 10.05 | 40.37 | 56.00 | -15.63 | | | QP |
| 8 | | 2.9500 | 29.88 | 10.05 | 39.93 | 46.00 | -6.07 | | | AVG |
| 9 | | 10.1420 | 33.92 | 1.39 | 35.31 | 60.00 | -24.69 | | | QP |
| 10 | | 10.1420 | 33.01 | 1.39 | 34.40 | 50.00 | -15.60 | | | AVG |
| 11 | | 22.4060 | 24.16 | 14.76 | 38.92 | 60.00 | -21.08 | | | QP |
| 12 | | 22.4060 | 22.91 | 14.76 | 37.67 | 50.00 | -12.33 | | | AVG |

Test Result: Pass

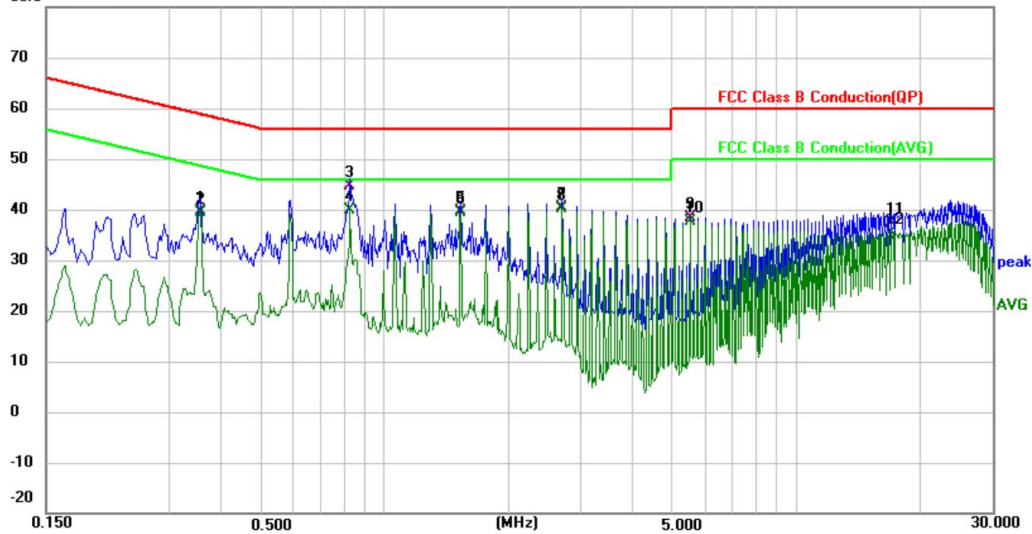
[TestMode: TM1]; [Line: Line]; [Power: 120V/60Hz]

Conducted Emission Measurement

 Project No.: CE
 80.0 dBuV

Data :#1

2024/3/9



| | | |
|--------------------------------------|------------------|-------------------|
| Site | Phase: L1 | Temperature: (C) |
| Limit: FCC Class B Conduction(QP) | Power: | Humidity: %RH |
| EUT: PowerThru™ Wireless Car Charger | Distance: | RBW: 9 KHz |
| M/N: CTF T-ATE-232313FRE | VBW: 30 KHz | Sweep Time: 10 ms |
| Mode: TM1 | | |
| Note: | | |

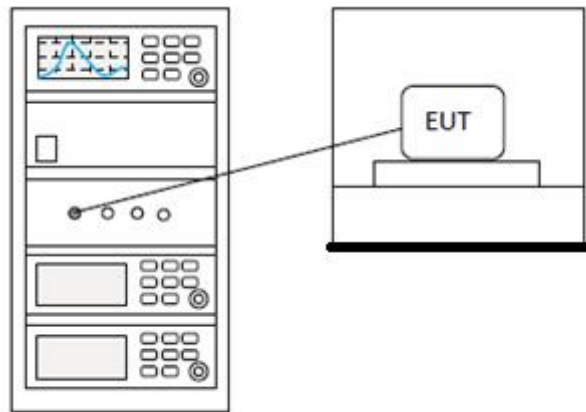
| No. Mk. | Freq. | Reading Level | Correct Factor | Measurement | Limit | Over | Antenna Height | Table Degree | | |
|---------|---------|---------------|----------------|-------------|-------|--------|----------------|--------------|--------|---------|
| | MHz | dBuV | dB | dBuV | dBuV | dB | Detector | cm | degree | Comment |
| 1 | 0.3540 | 29.70 | 9.94 | 39.64 | 58.87 | -19.23 | QP | | | |
| 2 | 0.3540 | 29.52 | 9.94 | 39.46 | 48.87 | -9.41 | AVG | | | |
| 3 | 0.8220 | 34.52 | 10.02 | 44.54 | 56.00 | -11.46 | QP | | | |
| 4 | 0.8220 | 29.83 | 10.02 | 39.85 | 46.00 | -6.15 | AVG | | | |
| 5 | 1.5300 | 29.63 | 9.98 | 39.61 | 56.00 | -16.39 | QP | | | |
| 6 | 1.5300 | 29.39 | 9.98 | 39.37 | 46.00 | -6.63 | AVG | | | |
| 7 | 2.7060 | 30.23 | 10.09 | 40.32 | 56.00 | -15.68 | QP | | | |
| 8 * | 2.7060 | 30.13 | 10.09 | 40.22 | 46.00 | -5.78 | AVG | | | |
| 9 | 5.5260 | 27.94 | 10.44 | 38.38 | 60.00 | -21.62 | QP | | | |
| 10 | 5.5260 | 27.07 | 10.44 | 37.51 | 50.00 | -12.49 | AVG | | | |
| 11 | 17.0500 | 23.57 | 13.80 | 37.37 | 60.00 | -22.63 | QP | | | |
| 12 | 17.0500 | 21.62 | 13.80 | 35.42 | 50.00 | -14.58 | AVG | | | |

Test Result: Pass

12 20DB BANDWIDTH

| | |
|------------------------|----------------------------------|
| Test Standard | FCC Part 15.215 |
| Test Method | ANSI C63.10 (2013) Section 7.8.7 |
| Test Mode (Pre-Scan) | TM1 |
| Test Mode (Final Test) | TM1 |
| Tester | York |
| Temperature | 21°C |
| Humidity | 55% |

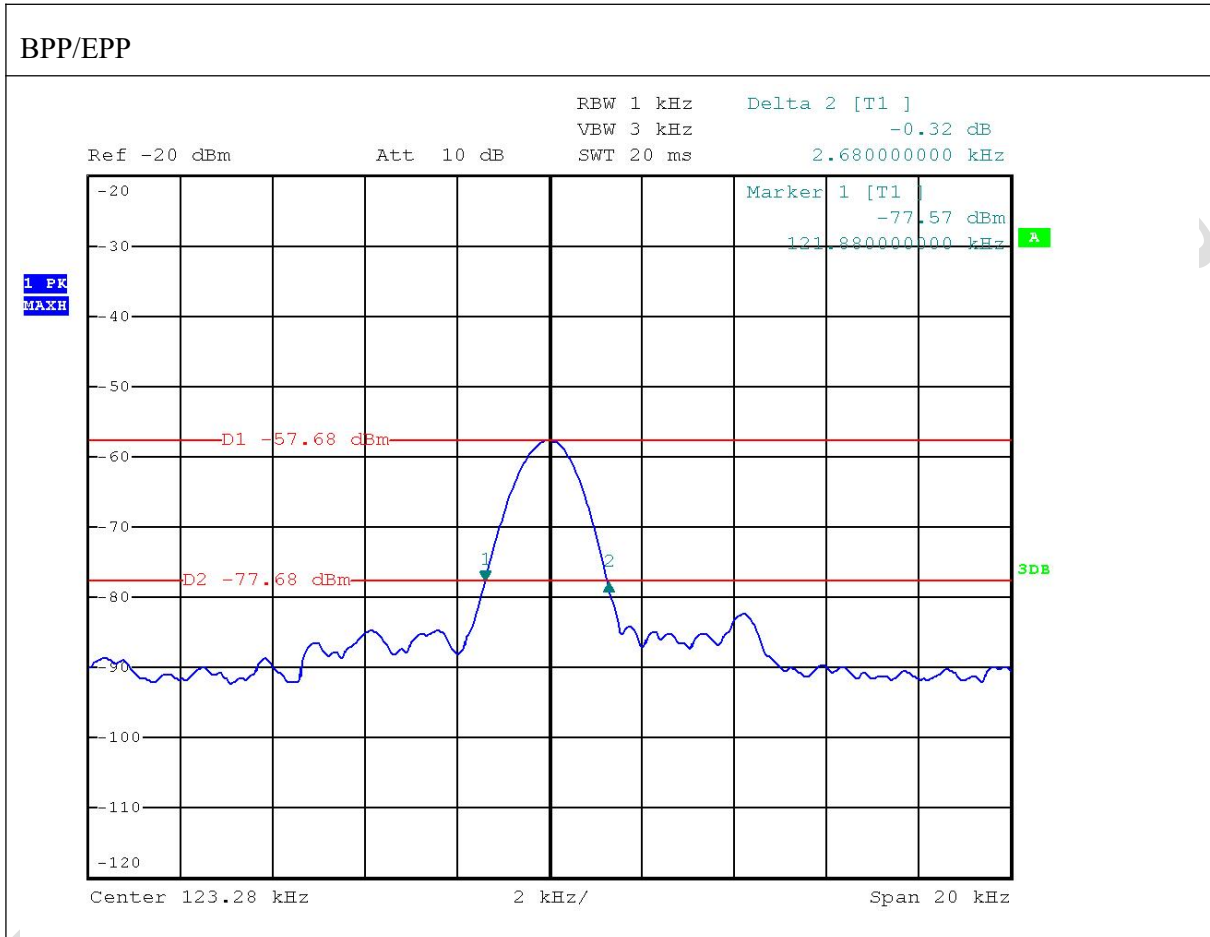
12.1 BLOCK DIAGRAM OF TEST SETUP



12.2 TEST DATA

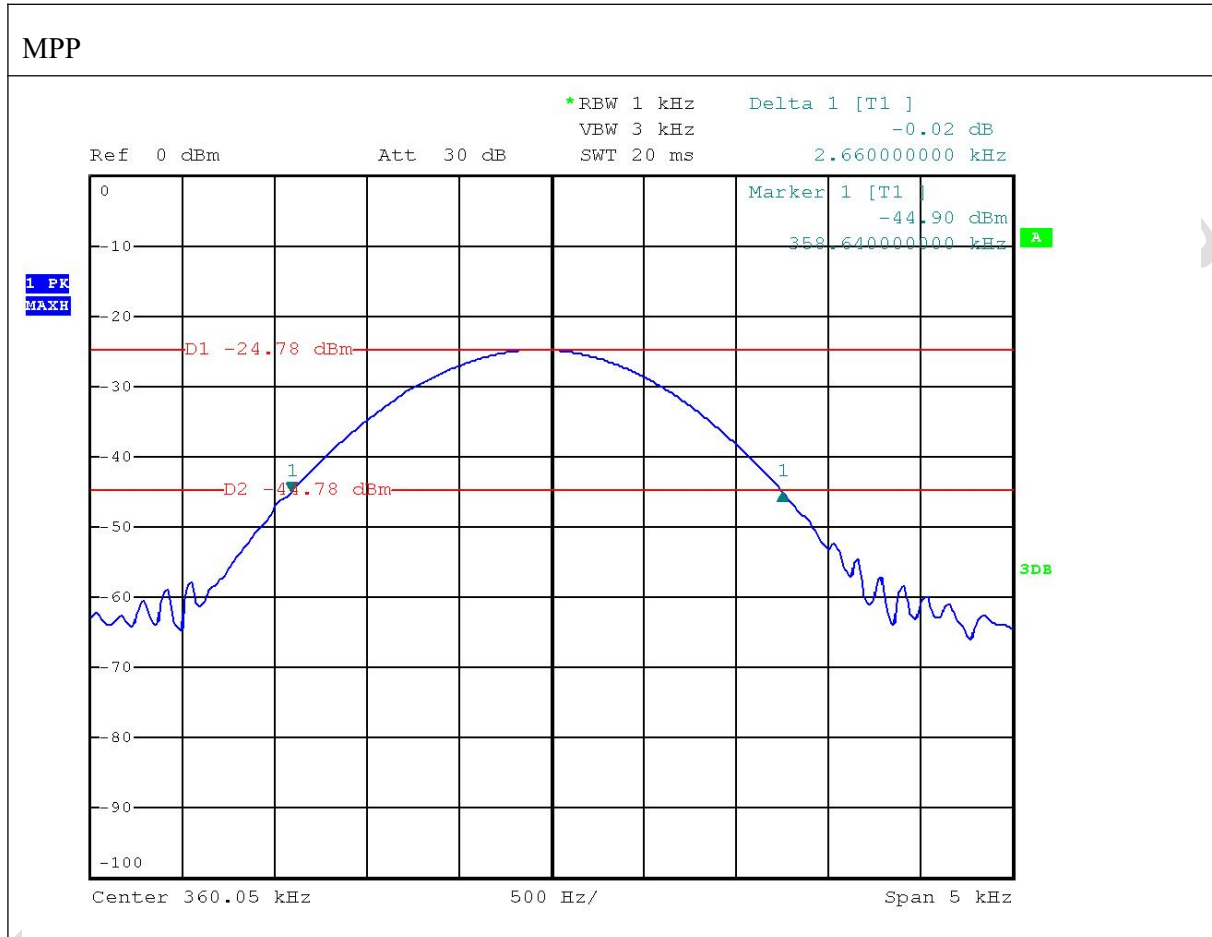
| Frequency (kHz) | 20dB emission bandwidth (kHz) |
|-----------------|-------------------------------|
| 123.28 | 2.68 |

Test plots as below



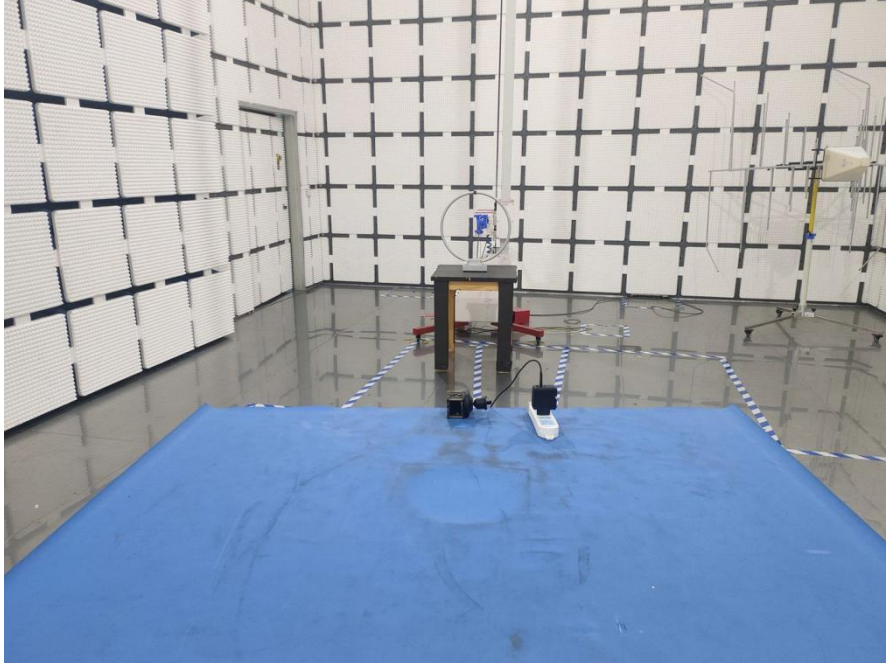
| Frequency (kHz) | 20dB emission bandwidth (kHz) |
|-----------------|-------------------------------|
| 360.05 | 2.66 |

Test plots as below

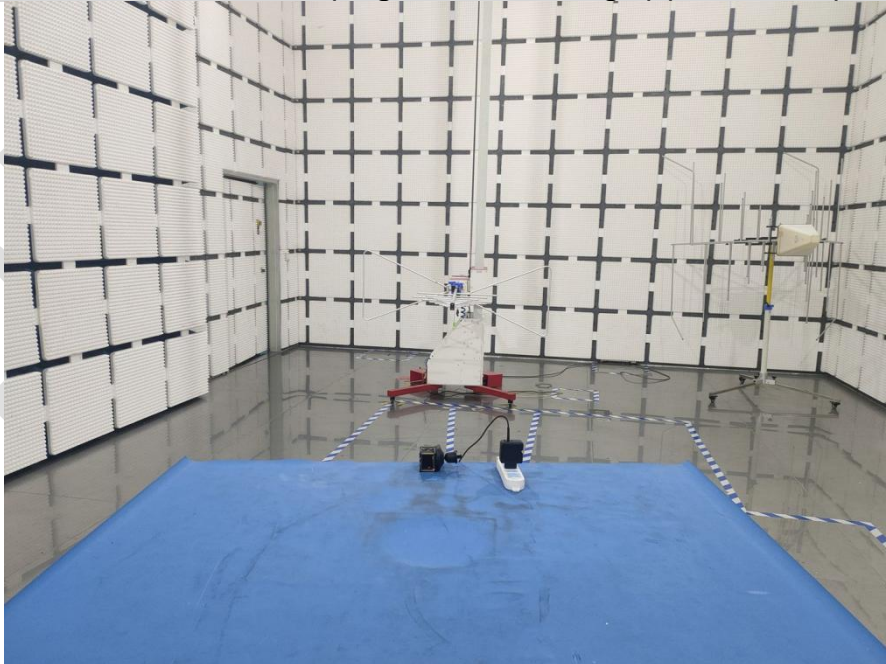


APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Radiated Emissions (Magnetic field Strength) (9kHz-30MHz)



Radiated Emissions (Magnetic field Strength) (30-1000MHz)



Conducted Emissions at Mains Terminals (150kHz-30MHz)



APPENDIX B: PHOTOGRAPHS OF EUT

Reference to the test report No. BLA-EMC-202403-A1101

----END OF REPORT----

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