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APPLICATION CERTIFICATION FCC Part 15C&IC On Behalf of ASAP Technology(Jiangxi) Co., Ltd.

Wireless Charging Dash Car Mount Model No.: NS-MWPC10DM, NS-MWPC10DM-C

> FCC ID: 2APXNLACC069 IC: 24654- LACC069

Prepared for : ASAP Technology(Jiangxi) Co., Ltd.

Address : No.5, Shuguang Rd, West Zone, Ji'an County Industrial Park,

Ji'an, Jiangxi, Ji'an 343100 China

Prepared by : Shenzhen Accurate Technology Co., Ltd.

Address : 1/F., Building A, Changyuan New Material Port, Science &

Industry Park, Nanshan District, Shenzhen, Guangdong, P.R.

China

Tel: +86-755-26503290 Fax: +86-755-26503396

Report No. : ATE20190868

Date of Test : June 3-June 4, 2019

Date of Report : June 6, 2019

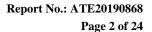




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Test Report Declaration

Applicant : ASAP Technology(Jiangxi) Co., Ltd.

Address : No.5, Shuguang Rd, West Zone, Ji'an County Industrial Park, Ji'an,

Jiangxi, Ji'an 343100 China

Product : Wireless Charging Dash Car Mount

Model No. : NS-MWPC10DM, NS-MWPC10DM-C

(Note: NS-MWPC10DM is only for the us market, NS-MWPC10DM-C is for the

Canadian market only.)

Measurement Procedure Used:

FCC CFR47 Part 15 Subpart C Section 15.207 and 15.209

ANSI C63.10: 2013

RSS-216 issue 2 January 2016 RSS-Gen Issue 5 April 2018

The device described above is tested by Shenzhen Accurate Technology Co., Ltd. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C and RSS-216 limits both radiated and conducted emissions. The measurement results are contained in this test report and Shenzhen Accurate Technology Co., Ltd. is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC&IC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of Shenzhen Accurate Technology Co., Ltd.

| Date of Test: | June 3-June 4, 2019 |
|-------------------------------|-----------------------|
| Date of Report: | June 6, 2019 |
| Prepared by : | (Str. Yang, Eng. Per) |
| Approved & Authorized Signer: | (em) |
| _ | (Sean Liu, Manager) |





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1. TEST RESULTS SUMMARY

| Test Items | Test Standard | Test Results |
|-------------------------------------|--|--------------|
| AC Power Line Conducted Emission | FCC Part 15.207 RSS-216 Issue 2, section 6.2.2.1 RSS-Gen Issue 5, section 8.8 | N/A |
| Radiated Emission | FCC Part 15.209 RSS-216 Issue 2,section 6.2.2.2&6.3.2 RSS-Gen Issue 5, section 8.9 | Pass |
| Occupied Bandwidth | FCC Part 15.215(c) RSS-Gen Issue 5, section 6.7 | N/A |
| Antenna Requirement | FCC Part 15.203 RSS-Gen Issue 5 section 6.8 | Pass |

Note: The power supply mode of the EUT is DC 12/24V, According to the FCC standard requirements, conducted emission is not applicable.





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2. GENERAL INFORMATION

2.1.Description of Device (EUT)

| Wireless Charging Dash Car Mount | | | | | | | |
|----------------------------------|---|--|--|--|--|--|--|
| Operating Frequency | : | 110-205KHz | | | | | |
| Type of Modulation | : | FSK | | | | | |
| Type of Antenna | : | Induction coil | | | | | |
| Operating Voltage | : | Input: DC 5V=2A(MAX), DC 12V=1.2A(MAX) Output: 10W (Max) | | | | | |
| Trade Mark | : | INSIGNIA | | | | | |

2.2.Test Mode

| Test Item | EMI Test Modes |
|-------------------|-------------------|
| Radiated Emission | Max. Power Output |

2.3. Special Accessory and Auxiliary Equipment

| Description | Manufacturer | Model | S/N |
|---------------------------|-------------------------|------------|------|
| MAINTENA NCE-FREE BATTERY | CHENGDU CHUANXI STORAGE | 6-QW-60 | N/A |
| (Input power supply) | BATTERY(GROUP)CO.,LTD. | (12V 60Ah) | IN/A |





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2.4. Description of Test Facility

EMC Lab Recognition of accreditation by Federal Communications

Commission (FCC)

The Designation Number is CN1189 The Registration Number is 708358

Listed by Innovation, Science and Economic Development

Canada (ISEDC)

The Registration Number is 5077A-2

Accredited by China National Accreditation Service for

Conformity Assessment (CNAS)

The Registration Number is CNAS L3193

Accredited by American Association for Laboratory

Accreditation (A2LA)

The Certificate Number is 4297.01

Name of Firm Shenzhen Accurate Technology Co., Ltd

Site Location 1/F., Building A, Changyuan New Material Port, Science &

Industry Park, Nanshan District, Shenzhen, Guangdong, P.R.

China

2.5. Measurement Uncertainty

Radiated Emission Expanded Uncertainty : U=2.66dB, k=2

(9kHz-30MHz)

Radiated Emission Expanded Uncertainty : U=4.28dB, k=2

(30MHz-1000MHz)

Radiated Emission Expanded Uncertainty U=4.98dB, k=2

(1G-18GHz)

Radiated Emission Expanded Uncertainty U=5.06dB, k=2

(18G-26.5GHz)

Conduction Emission Expanded Uncertainty : U=2.72dB, k=2

(Mains ports, 9kHz-30MHz)



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3. MEASURING DEVICE AND TEST EQUIPMENT

3.1. The Equipment Used to Measure Radiated Emission

| Item | m Equipment Manufacturer | | Model No. | Serial No. | Last Cal. | Cal. | | | | |
|------|---|----------------|-----------|------------|--------------|----------|--|--|--|--|
| | | | | | | Interval | | | | |
| 1. | Spectrum Analyzer | Rohde&Schwarz | FSV40 | 101495 | Jan.05, 2019 | 1 Year | | | | |
| 2. | Test Receiver | Rohde& Schwarz | ESR | 101817 | Jan.05, 2019 | 1 Year | | | | |
| 3. | Bilog Antenna | Schwarzbeck | VULB9163 | 9163-323 | Jan.05, 2019 | 1 Year | | | | |
| 4. | Loop Antenna | Schwarzbeck | FMZB1516 | 1516131 | Jan.05, 2019 | 1 Year | | | | |
| 5. | Pre-Amplifier | Agilent | 8447D | 294A10619 | Jan.05, 2019 | 1 Year | | | | |
| 6. | 50 Coaxial Switch | Anritsu Corp | MP59B | 6200506474 | Jan.05, 2019 | 1 Year | | | | |
| 7. | RF Coaxial Cable | RESENBERGER | N-12m | No.11 | Jan.05, 2019 | 1 Year | | | | |
| 8. | RF Coaxial Cable | RESENBERGER | N-0.5m | No.12 | Jan.05, 2019 | 1 Year | | | | |
| 9. | RF Coaxial Cable | SUHNER | N-2m | No.13 | Jan.05, 2019 | 1 Year | | | | |
| 10. | RF Coaxial Cable | SUHNER | N-0.5m | No.15 | Jan.05, 2019 | 1 Year | | | | |
| 11. | RF Coaxial Cable | SUHNER | N-2m | No.16 | Jan.05, 2019 | 1 Year | | | | |
| 12. | RF Coaxial Cable | RESENBERGER | N-6m | No.17 | Jan.05, 2019 | 1 Year | | | | |
| 13. | 13. Measurement Software: EZ_EMC V1.1.4.2 | | | | | | | | | |

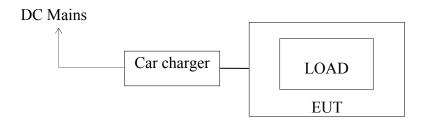




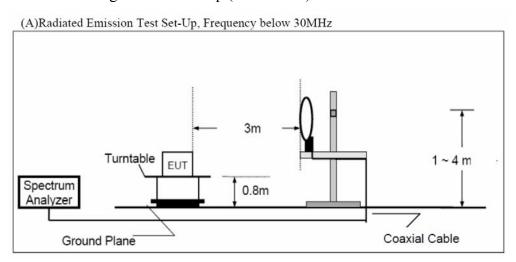
4. RADIATED EMISSION TEST

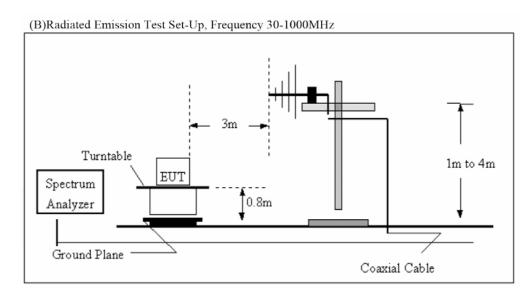
4.1.Block Diagram of Test

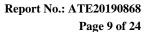
4.1.1.Block diagram of connection between the EUT and simulators



4.1.2.Block diagram of test setup (In chamber)









4.2. Radiated Emission Test Limit

| Frequency | Field Streng Limitation | | Field Strength Limitation at 3m Measurement Dist | | | |
|---------------|----------------------------|------|--|-------------------------|--|--|
| (MHz) | (uV/m) Dist | | (uV/m) | (dBuV/m) | | |
| 0.009 - 0.490 | 2400 / F(KHz) | 300m | 10000 * 2400/F(KHz) | 20log 2400/F(KHz) + 80 | | |
| 0.490 - 1.705 | 24000 / F(KHz) | 30m | 100 * 24000/F(KHz) | 20log 24000/F(KHz) + 40 | | |
| 1.705 - 30.00 | 30 | 30m | 100* 30 | 20log 30 + 40 | | |
| 30.0 - 88.0 | 0.0 – 88.0 100 | | 100 | 20log 100 | | |
| 88.0 – 216.0 | 150 | 3m | 150 | 20log 150 | | |
| 216.0 - 960.0 | 200 | 3m | 200 | 20log 200 | | |
| Above 960.0 | 500 | 3m | 500 | 20log 500 | | |

Limit: 2400/125=19.2uV/m@300m

Distance Correction Factor=40log(test distance/specific distance)

4.3.EUT Configuration on Test

The equipments are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.4. Operating Condition of EUT

- 4.4.1. Setup the EUT and simulator as shown as Section 4.1.
- 4.4.2. Turn on the power of all equipment.
- 4.4.3. Let the EUT work in test mode and measure it.



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4.5. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.10: 2013 on radiated emission measurement.

From 9kHz to 30MHz at distance 3m The EUT was rotated a full revolution in order to obtain the maximum value of the electric field intensity.

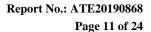
From 30MHz to 1000MHz at distance 3m The measuring antenna height varied between 1 and 4m and EUT was rotated a full revolution in order to obtain the maximum value of the electric field intensity. The measurements were performed for both vertical and horizontal antenna polarization.

The final measurement will be performed with an EMI Receiver set to Quasi Peak detector for the frequency bands 9kHz to 90kHz and 110 to 490 kHz where an average detector will be used according to Section 15.209(d)(2).

The final level, expressed in dBuV/m, is arrived at by taking the reading from the EMI receiver(Level dBuV) and adding the antenna correction factor and cable loss factor(Factor dB) to it. This result then has to be compared with the relevant FCC limit. The resolution bandwidth during the measurement is as follows:

9kHz – 150kHz: ResBW: 200Hz 150kHz – 30MHz: ResBW: 9kHz

The bandwidth of the EMI test receiver is set at 120kHz from 30MHz to 1000MHz.





4.6.Data Sample

| Frequency(| Reading | Factor | Result | Limit | Margin | Remark |
|------------|---------|--------|----------|----------|--------|--------|
| MHz) | (dBµv) | (dB/m) | (dBµv/m) | (dBµv/m) | (dB) | |
| X.XX | 49.83 | -22.03 | 27.80 | 43.50 | -15.70 | QP |

Frequency(MHz) = Emission frequency in MHz

Reading($dB\mu\nu$) = Uncorrected Analyzer/Receiver reading

Factor (dB/m)= Antenna factor + Cable Loss - Amplifier gain

Result($dB\mu v/m$) = Reading + Factor

Limit (dBμv/m)= Limit stated in standard

Calculation Formula:

 $Margin(dB) = Result (dB\mu v/m) - Limit(dB\mu v/m)$

Result($dB\mu v/m$)= Reading($dB\mu v$)+ Factor(dB/m)

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the limit.

4.7.Test Result

Pass.

Emissions attenuated more than 20 dB below the permissible value are not reported.

The spectrum analyzer plots are attached as below.



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From 9kHz to 30MHz: (Input DC 12V)

ACCURATE TECHNOLOGY CO., LTD

RADIATED EMISSION STANDARD FCC PART 15 C

Wireless Charging Dash Car Mount M/N:NS-MWPC10DM

Manufacturer: ASAP Technology(Jiangxi) Co., Ltd Operating Condition: Max. Power Output

Test Site: 2# Chamber Operator: WADE Test Specification: DC 12V Z

Comment:

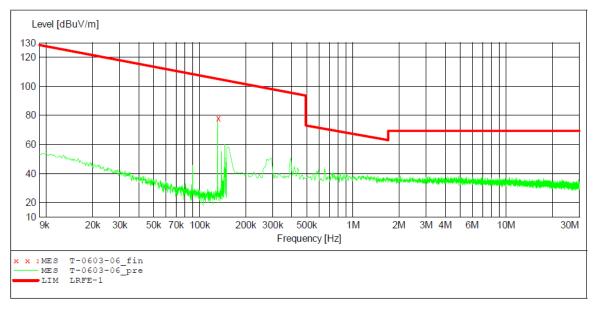
Start of Test: 2019-6-4 /

SCAN TABLE: "LFRE(E) Fin"
Short Description:
Start Stop Step _SUB_STD_VTERM2 1.70

Detector Meas. Stop ΙF Transducer

Time Bandw.

Frequency Frequency Width
9.0 kHz 150.0 kHz 100.0 Hz
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 200 Hz QuasiPeak 1.0 s 9 kHz 1516E



MEASUREMENT RESULT: "T-0603-06 fin"

2019-6-4

| | | | | _ | | _ | Azimuth deg | Polarization |
|----------|-------|---|---|---|----|---|----------------|--------------|
| 0.131000 | 77.97 | / | / | / | PK | / | / | Z |



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ACCURATE TECHNOLOGY CO., LTD

RADIATED EMISSION STANDARD FCC PART 15 C

Wireless Charging Dash Car Mount M/N:NS-MWPC10DM

Manufacturer: ASAP Technology (Jiangxi) Co., Ltd

Operating Condition: Max. Power Output

2# Chamber Test Site: Operator: WADE Test Specification: DC 12V

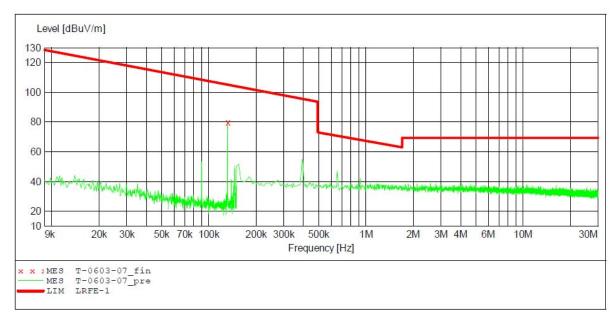
Comment:

2019-6-4 / Start of Test:

SCAN TABLE: "LFRE(E) Fin"

_SUB_STD_VTERM2 1.70 Short Description: Step Detector Meas. IF Transducer Start Stop

Frequency Frequency Width Time Bandw.
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz 1516E
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz 1516E



MEASUREMENT RESULT: "T-0603-07 fin"

2019-6-4 Frequency Level Transd Limit Margin Det. Height Azimuth Polarization MHz dBuV/m dB dBuV/m dB cm deg 0.131000 79.70 / / PK 1 1 Y



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ACCURATE TECHNOLOGY CO., LTD

RADIATED EMISSION STANDARD FCC PART 15 C

Wireless Charging Dash Car Mount M/N:NS-MWPC10DM EUT:

Manufacturer: ASAP Technology(Jiangxi) Co., Ltd Operating Condition: Max. Power Output

2# Chamber Test Site: Operator: WADE Test Specification: DC 12V

Comment:

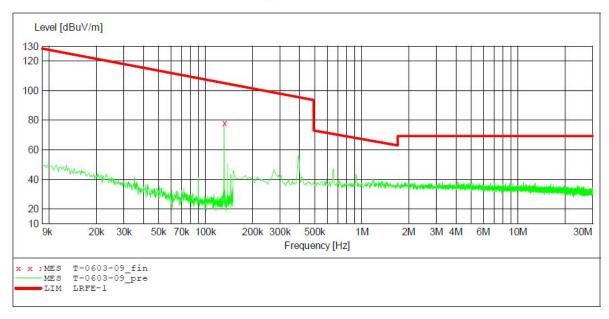
Start of Test: 2019-6-4 /

SCAN TABLE: "LFRE(E) Fin"

_SUB_STD_VTERM2 1.70 Short Description:

Step Detector Meas. IF Transducer Start Stop

Frequency Frequency Width Time Bandw.
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz 1516E
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz 1516E



MEASUREMENT RESULT: "T-0603-09 fin"

2019-6-4

| 1 | Level dBuV/m | | | _ | | Height cm | Azimuth deg | Polarization |
|----------|-----------------|---|---|---|----|--------------|----------------|--------------|
| 0.131200 | 77.94 | / | / | / | PK | / | / | X |





From 30MHz to 1000MHz: (Input DC 12V) ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China

Distance: 3m

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Site: 2# Chamber

Report No.: ATE20190868

Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: TUV2018 #2597 Polarization: Horizontal Standard: FCC Part 15C 3M Radiated Power Source: DC 12V

Test item: Radiation Test Date: 19/06/03/

Temp.(C)/Hum.(%) 23 C / 48 % Time:

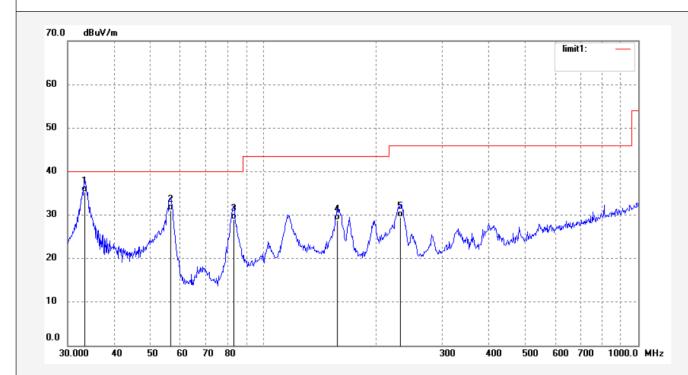
EUT: Wireless Charging Dash Car Mount Engineer Signature: WADE

Mode: Max. Power Output

Model: NS-MWPC10DM

Manufacturer: ASAP Technology(Jiangxi) Co., Ltd

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|------------------|----------------|--------------------|-------------------|----------------|----------|-------------|------------------|--------|
| 1 | 33.3278 | 45.44 | -10.25 | 35.19 | 40.00 | -4.81 | QP | | | |
| 2 | 56.5929 | 44.34 | -13.25 | 31.09 | 40.00 | -8.91 | QP | | | |
| 3 | 83.2296 | 44.76 | -15.73 | 29.03 | 40.00 | -10.97 | QP | | | |
| 4 | 157.5587 | 43.42 | -14.69 | 28.73 | 43.50 | -14.77 | QP | | | |
| 5 | 231.7178 | 40.54 | -11.02 | 29.52 | 46.00 | -16.48 | QP | | | |





ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China

Time:

Site: 2# Chamber Tel:+86-0755-26503290 Fax:+86-0755-26503396

Report No.: ATE20190868

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Job No.: TUV2018 #2598 Polarization: Vertical
Standard: FCC Part 15C 3M Radiated Power Source: DC 12V

Test item: Radiation Test Date: 19/06/03/

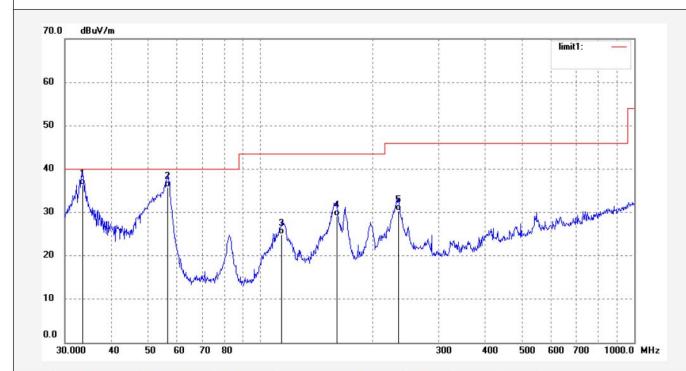
EUT: Wireless Charging Dash Car Mount Engineer Signature: WADE

Mode: Max. Power Output Distance: 3m Model: NS-MWPC10DM

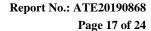
Manufacturer: ASAP Technology(Jiangxi) Co., Ltd

Temp.(C)/Hum.(%) 23 C / 48 %

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|-------------------------|------------------|----------------|--------------------|-------------------|----------------|----------|-------------|------------------|--------|
| 1 | 33.4449 | 46.23 | -9.95 | 36.28 | 40.00 | -3.72 | QP | | | |
| 2 | 56.5929 | 49.09 | -13.25 | 35.84 | 40.00 | -4.16 | QP | | | |
| 3 | 114.1138 | 38.07 | -13.20 | 24.87 | 43.50 | -18.63 | QP | | | |
| 4 | 160.3 <mark>4</mark> 56 | 43.58 | -14.41 | 29.17 | 43.50 | -14.33 | QP | | | |
| 5 | 234.1684 | 41.30 | -10.88 | 30.42 | 46.00 | -15.58 | QP | | | |





From 9kHz to 30MHz: (Input DC 5V)

ACCURATE TECHNOLOGY CO., LTD

RADIATED EMISSION STANDARD FCC PART 15 C

EUT: Wireless Charging Dash Car Mount M/N:NS-MWPC10DM

Manufacturer: ASAP Technology(Jiangxi) Co., Ltd
Operating Condition: Max. Power Output
Test Site: 2# Chamber

Operator: WADE Test Specification: DC 5V Comment:

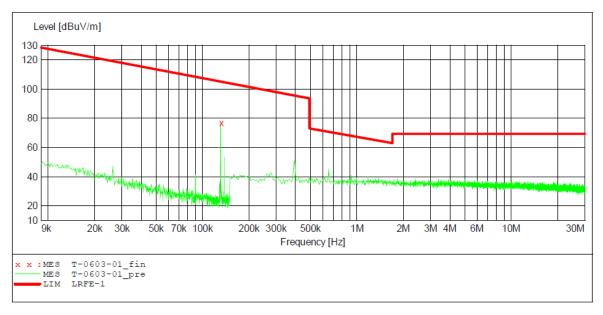
Start of Test: 2019-6-4 /

SCAN TABLE: "LFRE(E) Fin"

_SUB_STD_VTERM2 1.70 Short Description:

Detector Meas. Start Stop Step IF Transducer

Frequency Frequency Width 9.0 kHz 150.0 kHz 100.0 Hz 150.0 kHz 5.0 kHz Time Bandw. QuasiPeak 1.0 s 100.0 Hz 200 Hz 1516E QuasiPeak 1.0 s 9 kHz 1516E



MEASUREMENT RESULT: "T-0603-01 fin"

2019-6-4

Frequency Level Transd Limit Margin Det. Height Azimuth Polarization dBuV/m dB dBuV/m dB deg MHz cm 0.131000 76.70 / PK



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ACCURATE TECHNOLOGY CO., LTD

RADIATED EMISSION STANDARD FCC PART 15 C

Wireless Charging Dash Car Mount M/N:NS-MWPC10DM

Manufacturer: ASAP Technology (Jiangxi) Co., Ltd

Operating Condition: Max. Power Output

Test Site: 2# Chamber Operator: WADE Test Specification: DC 5V

Comment:

Start of Test: 2019-6-4 /

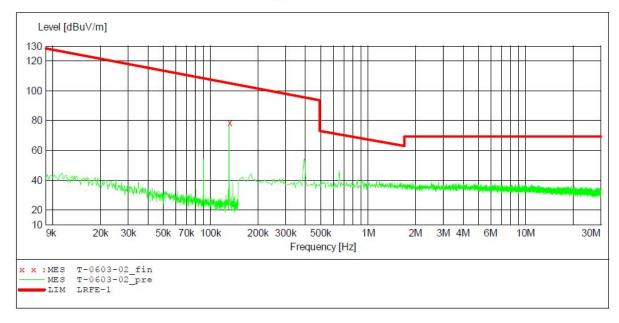
SCAN TABLE: "LFRE(E) Fin"
Short Description:

_SUB_STD_VTERM2 1.70

Step Start IF Stop Detector Meas. Transducer

Bandw.

Frequency Frequency Width Time 9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz 1516E 150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz 1516E



MEASUREMENT RESULT: "T-0603-02 fin"

78.52 / /

2019-6-4 Limit Margin Det. Height Azimuth Polarization Frequency Level Transd dB dBuV/m dB MHz dBuV/m deg cm

/ PK

0.131000



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ACCURATE TECHNOLOGY CO., LTD

RADIATED EMISSION STANDARD FCC PART 15 C

Wireless Charging Dash Car Mount M/N:NS-MWPC10DM EUT:

Manufacturer: ASAP Technology(Jiangxi) Co., Ltd Operating Condition: Max. Power Output

2# Chamber Test Site: WADE Operator: Test Specification: DC 5V

Comment:

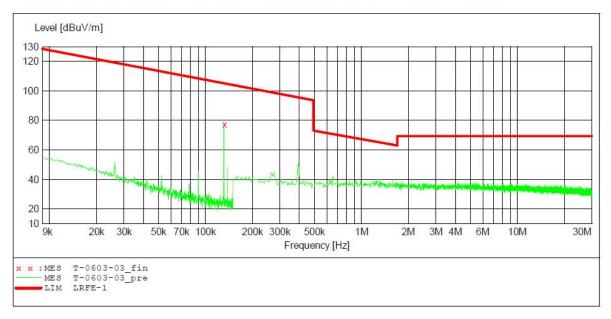
2019-6-4 / Start of Test:

SCAN TABLE: "LFRE(E) Fin"

_SUB_STD_VTERM2 1.70 Short Description:

Detector Meas. Step IF Transducer Start Stop

Frequency Frequency Width Time Bandw.
9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz 1516E
150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz 1516E



MEASUREMENT RESULT: "T-0603-03 fin"

2019-6-4

| + | Level dBuV/m | | | _ | | _ | 2,423 | Polarization |
|----------|-----------------|---|---|---|----|---|-------|--------------|
| 0.131000 | 77.16 | / | / | / | PK | / | / | Z |





From 30MHz to 1000MHz: (Input DC 5V)

Distance: 3m

ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd, Science & Industry Park,Nanshan Shenzhen,P.R.China Site: 2# Chamber Tel:+86-0755-26503290

Report No.: ATE20190868

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Tel:+86-0755-26503290 Fax:+86-0755-26503396

Job No.: TUV2018 #2596 Polarization: Horizontal Standard: FCC Part 15C 3M Radiated Power Source: DC 5V

Test item: Radiation Test Date: 19/06/03/

Temp.(C)/Hum.(%) 23 C / 48 % Time:

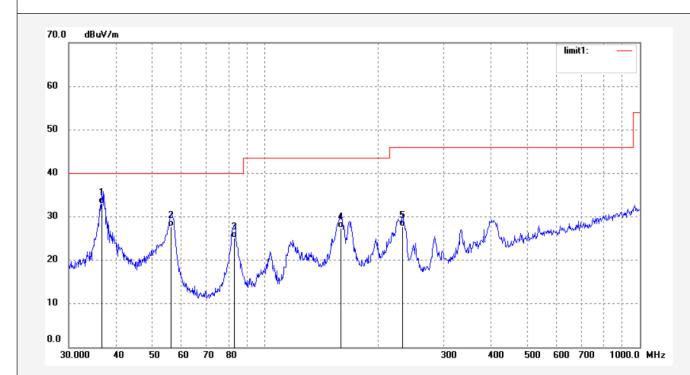
EUT: Wireless Charging Dash Car Mount Engineer Signature: WADE

Mode: Max. Power Output

Model: NS-MWPC10DM

Manufacturer: ASAP Technology(Jiangxi) Co., Ltd

Note:



| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|---------------------|----------------|--------------------|-------------------|----------------|----------|----------------|------------------|--------|
| 1 | 36.7661 | 43.78 | -10.80 | 32.98 | 40.00 | -7.02 | QP | | | |
| 2 | 56.1974 | 40.93 | -13.18 | 27.75 | 40.00 | -12.25 | QP | | | |
| 3 | 82.9385 | 40.96 | -15.79 | 25.17 | 40.00 | -14.83 | QP | | | |
| 4 | 159.2250 | 41.87 | -14.51 | 27.36 | 43.50 | -16.14 | QP | | | |
| 5 | 233.3487 | 38.61 | -10.93 | 27.68 | 46.00 | -18.32 | QP | | | |





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Report No.: ATE20190868

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Job No.: TUV2018 #2595

Standard: FCC Part 15C 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: Wireless Charging Dash Car Mount

Mode: Max. Power Output Model: NS-MWPC10DM

Manufacturer: ASAP Technology(Jiangxi) Co., Ltd

Note:

10

30.000

40

60

70 80

Polarization: Vertical Power Source: DC 5V

Date: 19/06/03/

Time:

Engineer Signature: WADE

Distance: 3m

| | | | | | | | limit1: | - |
|----|----------|---|---|--------------|------------|----------|---------|---------------|
| 60 | | | | | | | | |
| 50 | | | | | | | | |
| 40 | Á | à | J | | , | | | |
| 30 | All more | | | / | , 5 | Many | Krasgek | Marketerfreih |

| No. | Freq. (MHz) | Reading (dBuV/m) | Factor (dB) | Result (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Detector | Height (cm) | Degree (deg.) | Remark |
|-----|----------------|------------------|----------------|--------------------|-------------------|----------------|----------|-------------|------------------|--------|
| 1 | 37.0248 | 47.63 | -10.86 | 36.77 | 40.00 | -3.23 | QP | | | |
| 2 | 56.5929 | 47.27 | -13.25 | 34.02 | 40.00 | -5.98 | QP | | | |
| 3 | 117.7724 | 35.16 | -13.05 | 22.11 | 43.50 | -21.39 | QP | | | |
| 4 | 159.7844 | 45.43 | -14.44 | 30.99 | 43.50 | -12.51 | QP | | | |
| 5 | 231.7178 | 38.84 | -11.02 | 27.82 | 46.00 | -18.18 | QP | | | |

300

400

600 700

1000.0 MHz



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5. OCCUPIED BANDWIDTH TEST

5.1. The Requirement For Section 15.215(c)

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in §§15.217 through 15.257 and in subpart E of this part, must be designed to ensure that 20dB bandwidth of thee mission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equip compliance with the 20dB attenuation specification may base on measurement at the intentional radiator's antenna output terminal unless the intentional radiator uses a permanently attached antenna, in which case compliance shall be demonstrated by measuring the radiated emissions.

5.2. The Requirement For RSS-Gen Issue 5, section 6.7

The occupied bandwidth or the "99% emission bandwidth" is defined as the frequency range between two points, one above and the other below the carrier frequency, within which 99% of the total transmitted power of the fundamental transmitted emission is contained. The occupied bandwidth shall be reported for all equipment in addition to the specified bandwidth required in the applicable RSSs.

In some cases, the "x dB bandwidth" is required, which is defined as the frequency range between two points, one at the lowest frequency below and one at the highest frequency above the carrier frequency, at which the maximum power level of the transmitted emission is attenuated x dB below the maximum in-band power level of the modulated signal, where the two points are on the outskirts of the in-band emission.

5.3.Test Procedure

Use the following spectrum analyzer settings:

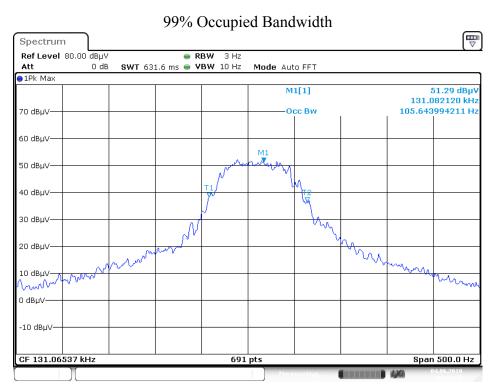
- a) The spectrum analyzer center frequency is set to the nominal EUT channel center frequency
- b) Span = approximately 2 to 5times the OBW
- c) RBW = 1% to 5% of the OBW
- d) $VBW \ge 3*RBW$
- e) Sweep = auto;
- f) Detector function = peak
- g) Trace = max hold
- h) All the trace to stabilize, use the marker-to-peak function to set the marker to the peak of the emission, use the marker-delta function to measure and record the 20dB down bandwidth of the emission.

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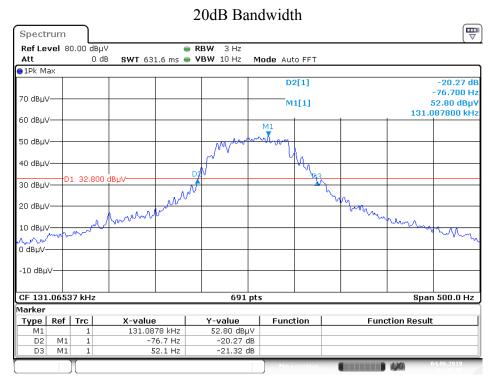


5.4. Test Result

| Frequency (KHz) | 99% Occupied Bandwidth (KHz) | 20dB Bandwidth (KHz) |
|-----------------|------------------------------|-------------------------|
| 131.065 | 0.106 | 0.129 |



Date: 4.JUN.2019 14:32:51



Date: 4.JUN.2019 14:41:56



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6. ANTENNA REQUIREMENT

6.1. The Requirement

According to Section 15.203 and RSS-Gen Section 6.8, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

6.2. Antenna Construction

Device is equipped with permanent attached antenna, which isn't displaced by other antenna. Therefore, the equipment complies with the antenna requirement of Section 15.203 and RSS-Gen Section 6.8.

**** End of Test Report ****