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## APPLICATION CERTIFICATION FCC Part 15C On Behalf of Nomad Goods, Inc.

Base Station Apple Watch Edition Model No.: NM30011A00

FCC ID: 2AJYRNM3W240K00

Prepared for : Nomad Goods, Inc.

Address : 1187 Coast Village Rd. #638 Suite 1 Santa Barbara, CA

93108, United States

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.

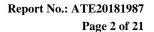
China

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

Report No. : ATE20181987

Date of Test : October 27-November 3, 2018

Date of Report : November 5, 2018





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6.2.



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## Test Report Declaration

Applicant : Nomad Goods, Inc.

Address : 1187 Coast Village Rd. #638 Suite 1 Santa Barbara, CA 93108,

United States

Factory : Zhongshan Zen Factory Ltd.

Address : 6th. Industrial Area, Nanlang Town, Zhongshan City, Guangdong,

China

Product : Base Station Apple Watch Edition

Model No. : NM30011A00

Measurement Procedure Used:

FCC CFR47 Part 15 Subpart C Section 15.207 and 15.209 ANSI C63.10: 2013

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 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 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:                  | October 27-November 3, 2018         |
|--------------------------------|-------------------------------------|
| Date of Report :               | November 5, 2018                    |
| Prepared by :                  | Star Yang                           |
|                                | (Stativang, Enggaer)  ATC  APPROVED |
| Approved & Authorized Signer : | 4 emily                             |
|                                | (Sean Liu, Manager)                 |





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# 1. TEST RESULTS SUMMARY

| Test Items                    | Test Standard   | Test Results |
|-------------------------------|-----------------|--------------|
| Power Line Conducted Emission | FCC Part 15.207 | Pass         |
| Radiated Emission             | FCC Part 15.209 | Pass         |



2. GENERAL INFORMATION

## 2.1.Description of Device (EUT)

| Product           | : | Base Station Apple Watch Edition   |
|-------------------|---|--|
| Model No.         | : | NM30011A00, NM3W240K00 (Note: Above models are identical in schematic, structure and critical components, just is product name and model name different, So we prepare NM30011A00 for test.) |
| Frequency         | : | 110-205KHz for Qi wireless protocol<br>327KHz for apple iWatch protocol  |
| Modulation Type   | : | FSK  |
| Type of Antenna   | : | Coil Antenna   |
| AC Adapter Rating | : | Model: A361-1203000I<br>Input: 100-240V~50/60Hz 1.5A<br>Output: 12VI==3000mA   |

#### Test mode:

A: Coil A changing

B: Coil B changing

C: Coil C changing

D: Apple watch charging

E: Coil A charging + Coil C Charging

F: Coil A charging + Apple watch charging

G: Coil B charging + Apple watch charging

H: Coil C charging + Apple watch charging

I: Coil A charging + Coil C Charging + Apple watch charging

We test all test modes and only the worst mode (I) was reported

## 2.2. Special Accessory and Auxiliary Equipment

| Description  | Manufacturer | Model                | S/N          |
|--------------|--------------|----------------------|--------------|
| APPLE WATCH  | Apple        | Apple Watch Series 4 | N/A          |
| Iphone6      | Apple        | MG4J2 CH/A           | F17NTK2QG5MV |
| Mobile phone | HUAWEI       | CUN-AL00             | N/A          |



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### 2.3. 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

## 2.4. Measurement Uncertainty

Conducted emission expanded uncertainty U=2.23dB, k=2

Radiated emission expanded uncertainty U=3.08dB, k=2

(9kHz-30MHz)

Radiated emission expanded uncertainty U=4.42dB, k=2

(30MHz-1000MHz)

Radiated emission expanded uncertainty U=4.06dB, k=2

(Above 1GHz)





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# 3. MEASURING DEVICE AND TEST EQUIPMENT

# 3.1. The Equipment Used to Measure Conducted Disturbance

| Item | Equipment                         | Manufacturer    | Model No. | Serial No. | Last Cal.    | Cal.     |  |  |
|------|-----------------------------------|-----------------|-----------|------------|--------------|----------|--|--|
|      |                                   |                 |           |            |              | Interval |  |  |
| 1.   | Test Receiver                     | Rohde & Schwarz | ESCS30    | 100307     | Jan.06, 2018 | 1 Year   |  |  |
| 2.   | L.I.S.N.                          | Schwarzbeck     | NLSK8126  | 8126431    | Jan.06, 2018 | 1 Year   |  |  |
| 3.   | Pulse Limiter                     | Rohde & Schwarz | ESH3-Z2   | 100305     | Jan.06, 2018 | 1 Year   |  |  |
| 4    | 50Ω Coaxial                       | Anritsu Corp    | MP59B     | 6200283936 | Jan.06, 2018 | 1 Year   |  |  |
| 4.   | Switch                            |                 |           |            |              |          |  |  |
| 5.   | RF Coaxial Cable                  | SUHNER          | N-2m      | No.2       | Jan.06, 2018 | 1 Year   |  |  |
| 6.   | Measurement Software: ES-K1 V1.71 |                 |           |            |              |          |  |  |

## 3.2. The Equipment Used to Measure Radiated Emission

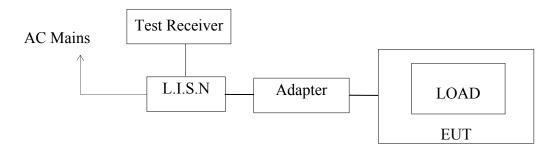
| Item | Equipment                                 | Manufacturer   | Model No. | Serial No. | Last Cal.    | Cal.     |  |  |  |
|------|---|----------------|-----------|------------|--------------|----------|--|--|--|
| -    | G 4 1                                     | D 1 1 0 C 1    | EGYAO     | 101405     | T 06 2010    | Interval |  |  |  |
| 1.   | Spectrum Analyzer                         | Rohde&Schwarz  | FSV40     | 101495     | Jan.06, 2018 | 1 Year   |  |  |  |
| 2.   | Test Receiver                             | Rohde& Schwarz | ESR       | 101817     | Jan.06, 2018 | 1 Year   |  |  |  |
| 3.   | Bilog Antenna                             | Schwarzbeck    | VULB9163  | 9163-323   | Jan.06, 2018 | 1 Year   |  |  |  |
| 4.   | Loop Antenna                              | Schwarzbeck    | FMZB1516  | 1516131    | Jan.06, 2018 | 1 Year   |  |  |  |
| 5.   | Horn Antenna                              | Schwarzbeck    | BBHA9120D | 9120D-655  | Jan.06, 2018 | 1 Year   |  |  |  |
| 6.   | Horn Antenna                              | Schwarzbeck    | BBHA9170  | 9170-359   | Jan.06, 2018 | 1 Year   |  |  |  |
| 7.   | RF Switching                              | Compliance     | RSU-M2    | 38322      | Jan.06, 2018 | 1 Year   |  |  |  |
|      | Unit+PreAMP                               | Direction      |           |            | ·            |          |  |  |  |
| 8.   | Pre-Amplifier                             | Agilent        | 8447D     | 294A10619  | Jan.06, 2018 | 1 Year   |  |  |  |
| 9.   | Pre-Amplifier                             | Rohde&Schwarz  | CBLU11835 | 3791       | Jan.06, 2018 | 1 Year   |  |  |  |
|      |   |                | 40-01     |            |              |          |  |  |  |
| 10.  | 50 Coaxial Switch                         | Anritsu Corp   | MP59B     | 6200506474 | Jan.06, 2018 | 1 Year   |  |  |  |
| 11.  | RF Coaxial Cable                          | RESENBERGER    | N-12m     | No.11      | Jan.06, 2018 | 1 Year   |  |  |  |
| 12.  | RF Coaxial Cable                          | RESENBERGER    | N-0.5m    | No.12      | Jan.06, 2018 | 1 Year   |  |  |  |
| 13.  | RF Coaxial Cable                          | SUHNER         | N-2m      | No.13      | Jan.06, 2018 | 1 Year   |  |  |  |
| 14.  | RF Coaxial Cable                          | SUHNER         | N-0.5m    | No.15      | Jan.06, 2018 | 1 Year   |  |  |  |
| 15.  | RF Coaxial Cable                          | SUHNER         | N-2m      | No.16      | Jan.06, 2018 | 1 Year   |  |  |  |
| 16.  | RF Coaxial Cable                          | RESENBERGER    | N-6m      | No.17      | Jan.06, 2018 | 1 Year   |  |  |  |
| 17.  | 17. Measurement Software: EZ_EMC V1.1.4.2 |                |           |            |              |          |  |  |  |

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4. POWER LINE CONDUCTED MEASUREMENT

### 4.1.Block Diagram of Test Setup



### 4.2. Power Line Conducted Emission Measurement Limits

| Frequency    | Limit dB(μV)     |               |  |  |  |
|--------------|------------------|---------------|--|--|--|
| (MHz)        | Quasi-peak Level | Average Level |  |  |  |
| 0.15 - 0.50  | 66.0 – 56.0 *    | 56.0 – 46.0 * |  |  |  |
| 0.50 - 5.00  | 56.0             | 46.0          |  |  |  |
| 5.00 - 30.00 | 60.0             | 50.0          |  |  |  |

NOTE1: The lower limit shall apply at the transition frequencies.

NOTE2: The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.

### 4.3. Configuration of EUT on Measurement

The equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a 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 is put on the plane 0.8 m high above the ground by insulating support and is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 500hm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC lines are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.10: 2013 on Conducted Emission Measurement.

The bandwidth of test receiver (R & S ESCS30) is set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

### 4.6.Data Sample

| Frequency | Transducer | QuasiPeak | Average | QuasiPeak | Average | QuasiPeak | Average | Remark      |
|-----------|------------|-----------|---------|-----------|---------|-----------|---------|-------------|
| (MHz)     | value      | Level     | Level   | Limit     | Limit   | Margin    | Margin  | (Pass/Fail) |
|           | (dB)       | (dBµV)    | (dBµV)  | (dBµV)    | (dBµV)  | (dB)      | (dB)    |             |
| X.XX      | 10.6       | 25.3      | 17.0    | 59.0      | 49.0    | 33.7      | 32.0    | Pass        |

Transducer value = Insertion loss of LISN + Cable Loss Result = Quasi-peak Level/Average Level + Transducer value Limit = Limit stated in standard

Calculation Formula:

Margin = Limit – Reading level value – Transducer value

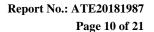
#### 4.7. Power Line Conducted Emission Measurement Results

#### PASS.

The frequency range from 150kHz to 30MHz is checked.

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

The spectral diagrams are attached as below.





#### ACCURATE TECHNOLOGY CO., LTD

#### CONDUCTED EMISSION STANDARD FCC PART 15 C

Base Station Apple Watch Edition M/N:NM30011A00

Manufacturer: Nomad Goods, Inc.

Operating Condition: Max load

Test Site: 1#Shielding Room

WADE Operator:

Test Specification: N 120V/60Hz Mains port Comment: Start of Test: 10/27/2018 /

#### SCAN TABLE: "V 9K-30MHz fin"

\_SUB\_STD\_VTERM2 1.70 Short Description:

UB\_STD\_vID...

Detector Meas. IF

Time Bandw. Start Stop Step Transducer

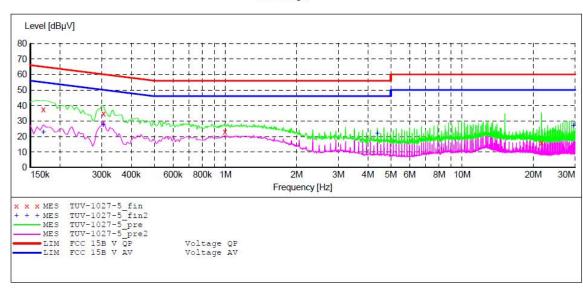
Frequency Frequency Width

9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008

Average

150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Average

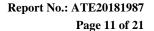


#### MEASUREMENT RESULT: "TUV-1027-5 fin"

| 10/27/2018<br>Frequency<br>MHz | Level<br>dBµV | Transd<br>dB | Limit<br>dBµV | Margin<br>dB | Detector | Line | PE  |
|--------------------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.170000                       | 37.70         | 10.5         | 65            | 27.3         | QP       | N    | GND |
| 0.305000                       | 34.80         | 10.6         | 60            | 25.3         | QP       | N    | GND |
| 0.995000                       | 23.00         | 10.8         | 56            | 33.0         | QP       | N    | GND |
| 21.655000                      | 15.90         | 11.4         | 60            | 44.1         | QP       | N    | GND |

#### MEASUREMENT RESULT: "TUV-1027-5 fin2"

| 10/27/2018       |               |              |               |              |          |      |     |
|------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| Frequency<br>MHz | Level<br>dBµV | Transd<br>dB | Limit<br>dBµV | Margin<br>dB | Detector | Line | PE  |
| 0.170000         | 22.50         | 10.5         | 55            | 32.5         | AV       | N    | GND |
| 0.305000         | 27.20         | 10.6         | 50            | 22.9         | AV       | N    | GND |
| 4.390000         | 21.80         | 11.1         | 46            | 24.2         | AV       | N    | GND |
| 29.560000        | 27.10         | 11.5         | 50            | 22.9         | AV       | N    | GND |





#### ACCURATE TECHNOLOGY CO., LTD

#### CONDUCTED EMISSION STANDARD FCC PART 15 C

Base Station Apple Watch Edition M/N:NM30011A00 FIIT:

Manufacturer: Nomad Goods, Inc.

Operating Condition: Max load

Test Site: 1#Shielding Room

WADE Operator:

Test Specification: L 120V/60Hz Mains port 10/27/2018 / Comment: Start of Test:

SCAN TABLE: "V 9K-30MHz fin"

\_SUB\_STD\_VTERM2 1.70 Short Description:

Detector Meas. IF Time Bandw. Step Transducer Start Stop

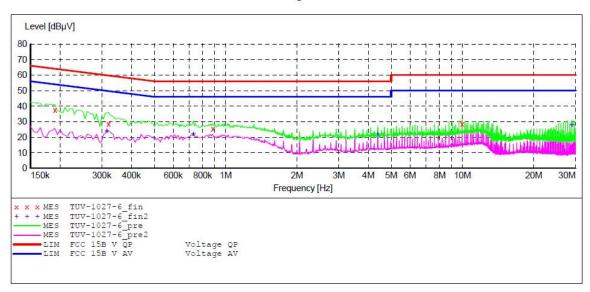
Frequency Frequency Width

9.0 kHz 150.0 kHz 100.0 Hz QuasiPeak 1.0 s 200 Hz NSLK8126 2008

Average

150.0 kHz 30.0 MHz 5.0 kHz QuasiPeak 1.0 s 9 kHz NSLK8126 2008

Average



#### MEASUREMENT RESULT: "TUV-1027-6 fin"

| 10/27/2018<br>Frequency<br>MHz | Level<br>dBµV | Transd<br>dB | Limit<br>dBµV | Margin<br>dB | Detector | Line | PE  |
|--------------------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.190000                       | 37.50         | 10.5         | 64            | 26.5         | QP       | L1   | GND |
| 0.320000                       | 28.40         | 10.6         | 60            | 31.3         | QP       | L1   | GND |
| 0.885000                       | 25.30         | 10.8         | 56            | 30.7         | QP       | L1   | GND |
| 9.950000                       | 28.70         | 11.3         | 60            | 31.3         | QP       | L1   | GND |

#### MEASUREMENT RESULT: "TUV-1027-6 fin2"

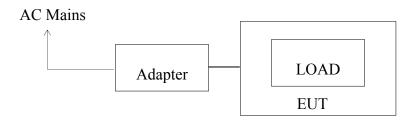
| 10/27/2018<br>Frequency<br>MHz | Level<br>dBµV | Transd<br>dB | Limit<br>dBµV | Margin<br>dB | Detector | Line | PE  |
|--------------------------------|---------------|--------------|---------------|--------------|----------|------|-----|
| 0.315000                       | 23.70         | 10.6         | 50            | 26.1         | AV       | L1   | GND |
| 0.730000                       | 21.90         | 10.8         | 46            | 24.1         | AV       | L1   | GND |
| 4.390000                       | 22.00         | 11.1         | 46            | 24.0         | AV       | L1   | GND |
| 28.975000                      | 27.80         | 11.5         | 50            | 22.2         | AV       | L1   | GND |



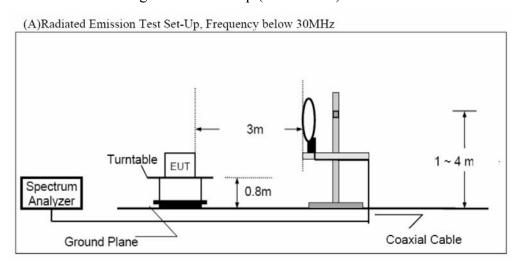
## 5. RADIATED EMISSION MEASUREMENT

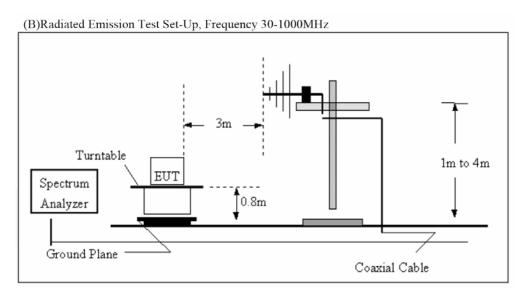
## 5.1.Block Diagram of Test

5.1.1.Block diagram of connection between the EUT and simulators



#### 5.1.2.Block diagram of test setup (In chamber)







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### 5.2. Radiated Emission Limit

| Frequency     | Field Streng<br>Limitation |      | Field Strength Limitation at 3m Measurement Dist |                         |  |  |  |
|---------------|----------------------------|------|--|-------------------------|--|--|--|
| (MHz)         | (uV/m) D                   |      | (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 | 5 – 30.00                  |      | 100* 30  | 20log 30 + 40           |  |  |  |
| 30.0 - 88.0   | 100                        | 3m   | 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)

## 5.3.EUT Configuration on Measurement

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.

## 5.4. Operating Condition of EUT

- 5.4.1. Setup the EUT and simulator as shown as Section 5.1.
- 5.4.2. Turn on the power of all equipment.
- 5.4.3. Let the EUT work in test mode and measure it.



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#### 5.5.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.



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### 5.6.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(dBμv) = 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.

### 5.7. Radiated Emission Measurement 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: TX Mode

#### ACCURATE TECHNOLOGY CO., LTD

#### RADIATED EMISSION STANDARD FCC PART 15C

Base Station Apple Watch Edition M/N:NM30011A00

Manufacturer: Nomad Goods, Inc.

Operating Condition: TX

2# Chamber Test Site: Operator: WADE

AC 120V/60Hz Test Specification:

Comment: X

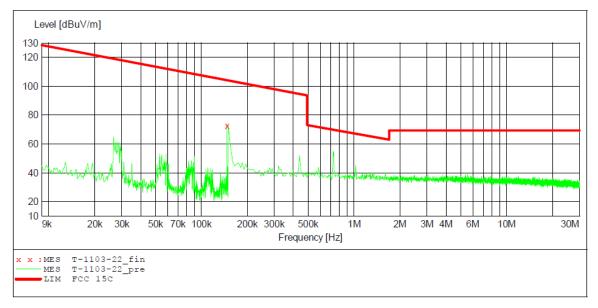
Start of Test: 2018-11-3 /

SCAN TABLE: "LFRE(E) Fin"

\_SUB\_STD\_VTERM2 1.70 Short Description: Step ΙF Start Detector Meas. Transducer Stop

Time Bandw.

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



### MEASUREMENT RESULT: "T-1103-22 fin"

2018-11-3

| 1 1      |       |      |   | _ |    |   | Azimuth<br>deg | Polarization |
|----------|-------|------|---|---|----|---|----------------|--------------|
| 0.146400 | 72.78 | 20.1 | / | / | PK | / | /              | X            |



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ACCURATE TECHNOLOGY CO., LTD

#### RADIATED EMISSION STANDARD FCC PART 15C

EUT: Base Station Apple Watch Edition M/N:NM30011A00

Manufacturer: Nomad Goods, Inc.

Operating Condition: TX

2# Chamber Test Site:

Operator: WADE

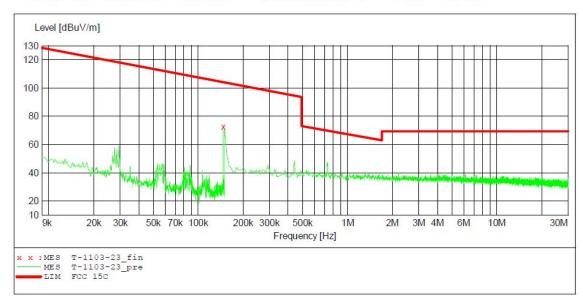
Test Specification: AC 120V/60Hz Comment: Start of Test: 2018-11-3 /

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

\_SUB\_STD\_VTERM2 1.70 Step Start Detector Meas. Stop IF 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-1103-23 fin"

2018-11-3

Level Transd Limit Margin Det. Height Azimuth Polarization Frequency MHz dBuV/m dB dBuV/m dB cm deg 0.146400 72.76 20.1 / / PK / Y /



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ACCURATE TECHNOLOGY CO., LTD

#### RADIATED EMISSION STANDARD FCC PART 15C

EUT: Base Station Apple Watch Edition M/N:NM30011A00

Manufacturer: Nomad Goods, Inc.

Operating Condition: TX

2# Chamber Test Site:

Operator: WADE

Test Specification: AC 120V/60Hz Comment:

Start of Test: 2018-11-3 /

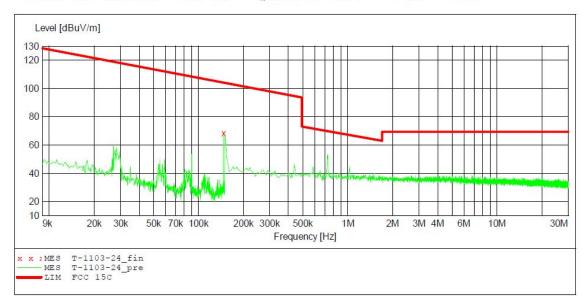
SCAN TABLE: "LFRE(E) Fin"
Short Description:

\_SUB\_STD\_VTERM2 1.70

Detector Meas. Step Start Stop IF 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-1103-24 fin"

2018-11-3

Frequency Level Transd Limit Margin Det. Height Azimuth Polarization dB dBuV/m MHz dBuV/m dB cm dea 68.50 20.1 / PK / / Z 0.146400





#### From 30MHz to 1000MHz: TX Mode

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## 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 Fax:+86-0755-26503396

Job No.: LGW2018 #3016

Standard: FCC Part 15C 3M Radiated

Test item: Radiation Test

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

EUT: Base Station Apple Watch Edition

Mode: TX

Model: NM30011A00

Manufacturer: Nomad Goods, Inc.

Note:

Polarization: Horizontal

Power Source: AC 120V/60Hz

Date: 18/10/27/

Time:

Engineer Signature: WADE

Distance: 3m

|     | D dBuV/m   |                   |                |                   |                   |                |              |         | limit1:                  | : <u>-</u>             |
|-----|--|-------------------|----------------|-------------------|-------------------|----------------|--------------|---------|--------------------------|------------------------|
| 60  |  |                   |                |                   |                   |                |              |         |                          |                        |
| 50  |  |                   |                |                   |                   |                |              |         |                          |                        |
| 40  |  |                   |                |                   |                   |                |              |         |                          |                        |
| 30  |  |                   |                | m/1.              |                   | ألمس           | Marie II     |         | Mily be derobyte y party | A for the shape of the |
| 20  | Madayatayayta  | $M^{N}$           | Manager July   | wy ym             | LA JUHNANA        | VAN            | , annivality | West of |                          |                        |
| 10  | The conversal of the co |                   | YwV            |                   |                   |                |              |         |                          |                        |
| 0.0 | 30.000 40  | 50 60 7           | 0 80           |                   |                   | 300            | 0 400        | ) 500   | 600 70                   | 00 1000.0 MH           |
| .   | Freq.  | Reading           | Factor         | Result            | Limit             | Margin         | Detector     | Height  | Degree                   | Remark                 |
|     | (MHz)  | (dBuV/m)<br>43.14 | (dB)<br>-14.97 | (dBuV/m)<br>28.17 | (dBuV/m)<br>43.50 | (dB)<br>-15.33 |              | (cm)    | (deg.)                   |                        |
| -   | 139.3611   | 1 12 11           |                |                   |                   | 1 = 1:1.3.3    |              |         |                          |                        |





## 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

Fax:+86-0755-26503396

**Report No.: ATE20181987** 

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Polarization: Vertical

Power Source: AC 120V/60Hz

Date: 18/10/27/

Time:

Engineer Signature: WADE

Distance: 3m

Job No.: LGW2018 #3017

Standard: FCC Part 15C 3M Radiated

Test item: Radiation Test

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

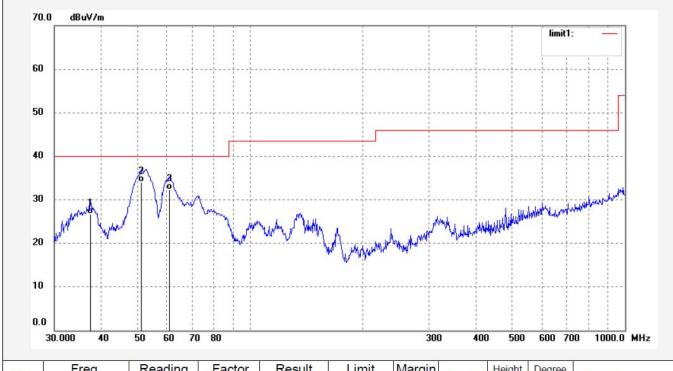
EUT: Base Station Apple Watch Edition

Mode: TX

Model: NM30011A00

Manufacturer: Nomad Goods, Inc.

Note:



| No. | Freq.<br>(MHz) | Reading (dBuV/m) | Factor (dB) | Result<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Height (cm) | Degree<br>(deg.) | Remark |
|-----|----------------|------------------|-------------|--------------------|-------------------|----------------|----------|-------------|------------------|--------|
| 1   | 37.4164        | 37.59            | -10.95      | 26.64              | 40.00             | -13.36         | QP       |             |                  |        |
| 2   | 51.3004        | 46.78            | -12.68      | 34.10              | 40.00             | -5.90          | QP       |             |                  |        |
| 3   | 60.9176        | 46.54            | -14.24      | 32.30              | 40.00             | -7.70          | QP       |             |                  |        |





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## 6. ANTENNA REQUIREMENT

## 6.1. The Requirement

According to Section 15.203, 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.

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