

RF Exposure Report

Report No.: SA190627E03 R2

FCC ID: 2APLE18300400

Test Model: VMC4040P

PCBA Rev: Main BD: v035 version
Sensor BD: v045 version

Received Date: June 27, 2019

Test Date: July 18, 2019

Issued Date: Aug. 28, 2019

Applicant: Arlo Technologies, Inc.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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Test Location: E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300,
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**FCC Registration /
Designation Number:** 723255 / TW2022

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Release Control Record

| Issue No. | Description | Date Issued |
|----------------|-----------------------|---------------|
| SA190627E03 | Original release. | Aug. 16, 2019 |
| SA190627E03 R1 | Revised PCBA version. | Aug. 23, 2019 |
| SA190627E03 R2 | Revised PCBA version. | Aug. 28, 2019 |

1 Certificate of Conformity

Product: arlo Pro 3
Brand: Arlo
Test Model: VMC4040P
PCBA Rev: Main BD: v035 version
Sensor BD: v045 version
Sample Status: Pre Production units
Applicant: Arlo Technologies, Inc.
Test Date: July 18, 2019
Standards: FCC Part 2 (Section 2.1091)
KDB 447498 D01 General RF Exposure Guidance v06
IEEE C95.1-1992

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by : Wendy Wu , **Date:** Aug. 28, 2019
Wendy Wu / Specialist

Approved by : May Chen , **Date:** Aug. 28, 2019
May Chen / Manager

2 RF Exposure

2.1 Limits for Maximum Permissible Exposure (MPE)

| Frequency Range (MHz) | Electric Field Strength (V/m) | Magnetic Field Strength (A/m) | Power Density (mW/cm ²) | Average Time (minutes) |
|---|-------------------------------|-------------------------------|-------------------------------------|------------------------|
| Limits For General Population / Uncontrolled Exposure | | | | |
| 0.3-1.34 | 614 | 1.63 | (100)* | 30 |
| 1.34-30 | 824/f | 2.19/f | (180/f ²)* | 30 |
| 30-300 | 27.5 | 0.073 | 0.2 | 30 |
| 300-1500 | ... | ... | f/1500 | 30 |
| 1500-100,000 | ... | ... | 1.0 | 30 |

f = Frequency in MHz ; *Plane-wave equivalent power density

2.2 MPE Calculation Formula

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user.
So, this device is classified as **Mobile Device**.

2.4 Antenna Gain

| Transmitter Circuit | Antenna Net Gain(dBi) | Frequency range (GHz to GHz) | Antenna Type | Connector Type |
|---------------------|-----------------------|------------------------------|--------------|----------------|
| Chain (0) Main | 2.0 | 2.4~2.4835 | Monopole | NA |
| Chain (1) Secondary | 3.0 | 2.4~2.4835 | Monopole | NA |

Note: Max. gain was selected for the final test.

2.5 Calculation Result of Maximum Conducted Power

| Operation Mode | Evaluation Frequency (MHz) | Max Power (mW) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm ²) | Limit (mW/cm ²) |
|----------------|----------------------------|----------------|--------------------|---------------|-------------------------------------|-----------------------------|
| WLAN 2.4GHz | 2437 | 304.089 | 3 | 20 | 0.12071 | 1 |

NOTE:

1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. The Max. Power = Max. tune up power including tolerance.

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