# RF Exposure Report

| | |
|---|---|
| **Report No.:** | SA190430E07 R1 |
| **FCC ID:** | PY319200443 |
| **Test Model:** | MC327 |
| **Series Model:** | MC327BL, MC327WL, MC327HW, MC327LW |
| **Received Date:** | Apr. 30, 2019 |
| **Test Date:** | May 10 to Jun. 18, 2019 |
| **Issued Date:** | Jul. 17, 2019 |
| **Applicant:** | NETGEAR, Inc. |
| **Address:** | 350 East Plumeria Drive, San Jose, CA 95134, USA |
| **Issued By:** | Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch |
| **Lab Address:** | No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C. |
| **Test Location (1):** | No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C.) |
| **FCC Registration / Designation Number:** | 198487 / TW2021 |
| **Test Location (2):** | E-2, No.1, Li Hsin 1st Road, Hsinchu Science Park, Hsinchu City 300, Taiwan R.O.C. |
| **FCC Registration / Designation Number:** | 723255 / TW2022 |

## Table of Contents

## Release Control Record

| Issue No. | Description | Date Issued |
|---|---|---|
| SA190430E07 | Original release. | Jun. 20, 2019 |
| SA190430E07 R1 | Addition of Model No. MC327. | Jul. 17, 2019 |

## 1 Certificate of Conformity

| | |
|---|---|
| **Product:** | Meural Canvas |
| **Brand:** | NETGEAR |
| **Test Model:** | MC327 |
| **Series Model:** | MC327BL, MC327WL, MC327HW, MC327LW |
| **Sample Status:** | Engineering sample |
| **Applicant:** | NETGEAR, Inc. |
| **Test Date:** | May 10 to Jun. 18, 2019 |
| **Standards:** | FCC Part 2 (Section 2.1091)<br>KDB 447498 D01 General RF Exposure Guidance v06 |

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 RF characteristics under the conditions specified in this report.

**Prepared by :** Annie Chang , **Date:** Jul. 17, 2019

Annie Chang / Senior Specialist

**Approved by :** Rex. Lai , **Date:** Jul. 17, 2019

Rex Lai / Associate Technical 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

$Pd = (Pout*G) / (4*pi*r^2)$

where

Pd = power density in $mW/cm^2$

Pout = output power to antenna in mW

G = gain of antenna in linear scale

Pi = 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 Calculation Result Of Maximum Conducted Power

| Frequency Band (MHz) | Max Power (dBm) | Antenna Gain (dBi) | Distance (cm) | Power Density ($mW/cm^2$) | Limit ($mW/cm^2$) |
|---|---|---|---|---|---|
| 2412-2462 | 25.67 | 2.7 | 20 | 0.1367 | 1 |
| 5180-5240 | 23.82 | 3.77 | 20 | 0.1142 | 1 |
| 5745-5825 | 23.62 | 3.81 | 20 | 0.1101 | 1 |

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

**--- END ---**