

RF Exposure Report Report No.: SABBQZ-WTW-P20120983 FCC ID: PY321100533 Test Model: WAX206 Received Date: Dec. 30, 2020 Test Date: Jan. 15 ~ May 21, 2021 Issued Date: May 27, 2021 Applicant and NETGEAR, Inc. Manufacturer: Address: 350 East Plumeria Drive San Jose, CA 95134 Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories Lab Address: No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan Test Location: No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN FCC Registration / 788550 / TW0003 **Designation Number:**



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Release Control Record

| Issue No. | Description | Date Issued |
|----------------------|------------------|--------------|
| SABBQZ-WTW-P20120983 | Original Release | May 27, 2021 |



Certificate of Conformity Product: NETGEAR WiFi 6 AX3200 Dual Band Access Point Brand: NETGEAR Test Model: WAX206 Sample Status: Engineering Sample Applicant: NETGEAR, Inc. Test Date: Jan. 15 ~ May 21, 2021 Standards: FCC Part 2 (Section 2.1091) References Test KDB 447498 D01 General RF Exposure Guidance v06 Guidance:

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.

Lena Wang, Lena Wang / Specialist

Date: May 27, 2021

Reh Li

, Date: May 27, 2021

Approved by :

Prepared by :

1

Dylan Chiou / Senior Project Engineer



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 | | | | | | | | |
| 300-1500 | | | F/1500 | 30 | | | | |
| 1500-100,000 | | | 1.0 | 30 | | | | |

F = Frequency in MHz

2.2 MPE Calculation Formula

Pd = (Pout*G) / (4*pi*r²) where Pd = power density in mW/cm² Pout = output power to antenna in mW G = gain of antenna in linear scale pi = 3.1416r = 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 26 cm away from the body of the user. So, this device is classified as **Mobile Device**.



| Frequency Band (MHz) | Max Power (dBm) | Antenna Gain (dBi) | Distance (cm) | Power Density (mW/cm ²) | Limit (mW/cm ²) | | | |
|-------------------------|--------------------|-----------------------|------------------|--|--------------------------------|--|--|--|
| CDD Mode | | | | | | | | |
| 2412-2462 | 29.03 | 6.81 | 26 | 0.452 | 1 | | | |
| 5180-5240 | 28.97 | 6.85 | 26 | 0.450 | 1 | | | |
| 5745-5825 | 29.14 | 7.02 | 26 | 0.486 | 1 | | | |
| Beamforming Mode | | | | | | | | |
| 2412-2462 | 28.47 | 6.81 | 26 | 0.397 | 1 | | | |
| 5180-5240 | 28.97 | 6.85 | 26 | 0.450 | 1 | | | |
| 5745-5825 | 28.89 | 7.02 | 26 | 0.459 | 1 | | | |

3 Calculation Result of Maximum Conducted Power

Note:

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

2412-2462MHz: Directional gain = 6.81 dBi 5180-5240MHz: Directional gain = 6.85 dBi 5745-5825MHz: Directional gain = 7.02 dBi

Conclusion:

Both of the WLAN 2.4G & WLAN 5G can transmit simultaneously, the formula of calculated the MPE is: CPD1 / LPD1 + CPD2 / LPD2 +etc. < 1

CPD = Calculation power density

LPD = Limit of power density

2.4G + 5G = 0.452 / 1 + 0.486 / 1 = 0.938

Therefore the maximum calculations of above situations are less than the "1" limit.

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