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Release Control Record						
Issue No.	Description			Date Issued		
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### 1 Certificate of Conformity

Product:	Arlo Q Plus
Brand:	NETGEAR
Test Model:	VMC3040S
Sample Status:	ENGINEERING SAMPLE
Applicant:	NETGEAR, Inc.
Test Date:	Oct. 23, 2015
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.

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# 2 RF Exposure

#### 2.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)				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

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

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 Antenna Gain

The antennas provided to the EUT, please refer to the following table:

Antenna No.	Transmitter Circuit	Brand	Model	Antenna Gain (dBi) including cable loss	Antenna Type	Connecter Type	Frequency range (GHz to GHz)
				0.91			2.4~2.4835
				1.83			5.15~5.25
1	Chain (0)	Netgear	NA	1.91	PIFA	NA	5.25~5.35
				1.29			5.47~5.725
				2.12			5.725~5.85
				1.01			2.4~2.4835
				1.12			5.15~5.25
2	Chain (1)	hain (1) Netgear	NA	1.91	Monopole	NA	5.25~5.35
				2.18			5.47~5.725
				2.27			5.725~5.85



Frequency Band (MHz)	Max Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm <sup>2</sup> )	Limit (mW/cm <sup>2</sup> )
2412-2462	562.159	3.97	20	0.27899	1
5180-5240	200.775	4.49	20	0.11232	1
5260-5320	196.592	4.92	20	0.12142	1
5470~5725	192.896	4.76	20	0.11483	1
5745-5825	182.872	5.21	20	0.12075	1

# 3 Calculation Result Of Maximum Conducted Power

#### Note:

1. For 2412-2462MHz: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 3.97dBi$ 2. For 5180-5240MHz: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 4.49dBi$ 3. For 5260-5320MHz: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 4.92dBi$ 

4. For 5470~5725MHz: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 4.76dBi$ 

5. For 5745-5825MHz: Directional gain =  $10 \log[(10^{G1/20} + 10^{G2/20})^2 / 2] = 5.21dBi$ 

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