

RF Exposure Report

Report No.: SA161208E03

FCC ID: 2AKUN-QAMDES0W

Test Model: QAM300-DE-S0W-001

Received Date: Dec. 08, 2016

Test Date: Jan. 03, 2017

Issued Date: Feb. 02, 2017

Applicant: Quadlink Technology Inc

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Taiwan

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Hsin Chu Laboratory

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Release Control Record

Issue No.	Description	Date Issued
SA161208E03	Original release.	Feb. 02, 2017

1 Certificate of Conformity

Product: Aquadlink monitoring device

Brand: QAM300-DE

Test Model: QAM300-DE-S0W-001

Sample Status: ENGINEERING SAMPLE

Applicant: Quadlink Technology Inc

Test Date: Jan. 03, 2017

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 :  , **Date:** Feb. 02, 2017
Claire Kuan / Specialist

Approved by :  , **Date:** Feb. 02, 2017
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				
300-1500	...	...	F/1500	30
1500-100,000	...	...	1.0	30

F = Frequency in MHz

2.2 MPE Calculation Formula

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

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 20m away from the body of the user.

So, this device is classified as **Mobile Device**.

2.4 Antenna Gain

Antenna No.	Model	Antenna Net Gain (dBi)	Frequency range (GHz)	Antenna Type	Connector Type	Cable Length (mm)
1	F900B	-9.01	2.4~2.4835	PIFA	i-pex (MHF)	130
2	NA	-21.1	2.4~2.4835	Chip	NA	NA

2.5 Calculation Result

Frequency Band (MHz)	Max Power (mW)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
2412-2462	107.647	-9.01	20	0.00269	1

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