

RF Exposure Report

Report No.: SA160812C17

FCC ID: IPH-03114

Test Model: A03114

Received Date: Aug. 12, 2016

Test Date: Sep. 15 ~ Oct. 07, 2016

Issued Date: Oct. 24, 2016

Applicant: Garmin International Inc

Address: 1200 E. 151st Street, Olathe, Kansas 66062, 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: No.19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN (R.O.C.)



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Release Control Record


Issue No.	Description	Date Issued
SA160812C17	Original release.	Oct. 24, 2016

1 Certificate of Conformity

Product: Marine Stereo
Brand: Fusion
Test Model: A03114
Sample Status: Engineering sample
Applicant: Garmin International Inc
Test Date: Sep. 15 ~ Oct. 07, 2016
Standards: FCC Part 2 (Section 2.1091)
KDB Publication 447498 D01 General RF Exposure Guidance v06
IEEE C95.1

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:** Oct. 24, 2016
Pettie Chen / Senior Specialist

Approved by :  , **Date:** Oct. 24, 2016
Ken Liu / Senior 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

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

where

Pd = power density in mW/cm²

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**.

3 Calculation Result Of Maximum Conducted Power

Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)
3.44	3.3	20	0.001	1

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