

RF EXPOSURE EVALUATION REPORT

APPLICANT	:	SkyHawke Technologies, LLC
PRODUCT NAME	:	Golf GPS Watch
MODEL NAME	:	M15-391D
TRADE NAME	:	SkyGolf
BRAND NAME	:	N/A
FCC ID	. ·	X8FM 15-391LIN X 47CFR 2 1093
STANDARD(S)	:	KSB 9447498 D01 General RF Exposure Guidance v06
ISSUE DATE	:	Certification 2016-03-24 Quantum Certification Quantum Certification Quantum Certification Quantum Certification

SHENZHEN MORLAB COMMUNICATIONS TECHNOLOGY Co., Ltd.

NOTE: This document is issued by MORLAB, the test report shall not be reproduced except in full without prior written permission of the company. The test results apply only to the particular sample(s) tested and to the specific tests carried out which is available on request for validation and information confirmed at our website.

 MORLAB GROUP
 FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
 Tel: 86-755-36698555
 Fax: 86-755-36698525

 E-mail: service@morlab.cn
 E-mail: service@morlab.cn
 E-mail: service@morlab.cn



DIRECTORY

1. TECHNICAL INFORMATION	AB ORLAND MORLE
1.1. IDENTIFICATION OF APPLICANT	
1.2. IDENTIFICATION OF MANUFACTURER	
1.3. EQUIPMENT UNDER TEST (EUT) ······	
1.3.1. PHOTOGRAPHS OF THE EUT ·····	
1.3.2. IDENTIFICATION OF ALL USED EUT ······	
1.4. APPLIED REFERENCE DOCUMENTS ······	
2.DEVICE CATEGORY AND RF EXPOSURE LIMIT	

ANNEX A GENERAL INFORMATION ------

			Change History
	Issue	Date	Reason for change
4	1.0	2016-03-24	First edition
ĺ	NOR	M	a all soft me all soft

ABGROUP FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China

MORL

Tel: 86-755-36698555 Http://www.morlab.com



TEST REPORT DECLARATION

SkyHawke Technologies, LLC		
Ridgeland Technology Center ,274 Commerce Park Drive,Ridgeland, MS 39157		
NATIONAL ELECTRONICS&WATCH CO.,LTD		
15/F, Shing Dao Ind Building 232 Aberdeen Main Road, Aberdeen Hong Kong		
Golf GPS Watch		
M15-391D		
N/A		
N/A		
N/A		
47CFR 2.1093; KDB 447498 D01 General RF Exposure Guidance v06		
2016-03-24		
Not Required		

Tested by

Chen Sheng kwi

Chen Shengkui

Reviewed by

Zhu Zhan

Zhu Zhan

Approved by

Teng De

Zeng Dexin

 MORLAB GROUP
 FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China
 Tel: 86-755-36698555
 Fax: 86-755-36698525

 E-mail: service@morlab.cn

Page 3 Of 9



1. TECHNICAL INFORMATION

Note: the following data is based on the information by the applicant.

1.1. Identification of Applicant

Company Name:	SkyHawke Technologies, LLC
Address:	Ridgeland Technology Center ,274 Commerce Park Drive, Ridgeland,
AL MORL MO	MS 39157

1.2. Identification of Manufacturer

Company Name:	NATIONAL ELECTRONICS&WATCH CO.,LTD
Address:	15/F, Shing Dao Ind Building 232 Aberdeen Main Road, Aberdeen
B ORLAT MORT	Hong Kong

1.3. Equipment Under Test (EUT)

MORI

AB GRO

Model Name:	M15-391D
Trade Name:	SkyGolf
Brand Name:	N/A
Hardware Version:	N/A
Software Version:	N/A
Frequency Bands:	Bluetooth 4.0:2402-2480MHz;
Modulation Mode:	Bluetooth 4.0: GFSK;
Antenna type:	Fixed Internal Antenna
Development Stage:	Identical prototype

FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China Tel: 86-755-36698555 Http://www.morlab.com Fax: 86-755-36698525 E-mail: service@morlab.cn



MORLAB GROUP

FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China Tel: 86-755-36698555 Http://www.morlab.com Fax: 86-755-36698525 E-mail: service@morlab.cn



2. EUT rear view



1.3.2. Identification of all used EUT

The EUT identity consists of numerical and letter characters, the letter character indicates the test sample, and the following two numerical characters indicate the software version of the test sample.

EUT Identity	Hardware Version	Software Version	huc
1#	N/A	N/A	3

1.4. Applied Reference Documents

Leading reference documents for testing:

	No.	Identity	Document Title
>	1 MOP	47 CFR§2.1093	Radiofrequency Radiation Exposure Evaluation: portable devices
2	2	KDB 447498 D01v06	General RF Exposure Guidance



FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China Tel: 86-755-36698555 Http://www.morlab.com

MORLAB

2. DEVICE CATEGORY AND RF EXPOSURE LIMIT

Per user manual, this device is a Bluetooth Watch. Based on 47CFR 2.1093, this device belongs to portable device category with General Population/Uncontrolled exposure.

Portable Devices:

47CFR 2.1093(b)

For purposes of this section, a portable device is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is/are within 20 centimeters of the body of the user.

GENERAL POPULATION / UNCONTROLLED EXPOSURE

47CFR 2.1093(d) (2)

Limits for General Population/Uncontrolled exposure: 0.08 W/kg as averaged over the whole-body and spatial peak SAR not exceeding 1.6 W/kg as averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube). Exceptions are the hands, wrists, feet and ankles where the spatial peak SAR shall not exceed 4 W/kg, as averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube). General Population/Uncontrolled limits apply when the general public may be exposed, or when persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or do not exercise control over their exposure. Warning labels placed on consumer devices such as cellular telephones will not be sufficient reason to allow these devices to be evaluated subject to limits for occupational/controlled exposure in paragraph (d)(1) of this section.

MORLAB GROUP

FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China Fax: 86-755-36698525 E-mail: service@morlab.cr

3. MEASUREMENT OF CONDUCTED PEAK OUTPUT POWER

. Bluetooth Average output power

MORLA

			Frequency	Output
	Band	Channel		Power(dBm)
			(MHz)	GFSK
2	" aLAB	0	2402	-1.01
	BT	19	2440	-1.18
	LAB JOR	39 🎺	2480	-2.17

4. RF EXPOSURE EVALUATION

The device only incorporates a Bluetooth transmitter, so standalone SAR evaluation is required for Bluetooth and simultaneous SAR is not required.

Standalone transmission SAR evaluation

According to KDB 447498 section 4.3.1, the 1-g SAR test exclusion thresholds at test separation Distances \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[$\sqrt{f(GHz)}$] ≤ 3.0

The maximum tune-up limit power is 0.79mW @ 2.402GHz

When Bluetooth Watch is worn on the hand, so use **5mm** as the most conservative minimum test separation distance,

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]·[$\sqrt{f(GHz)}$] =0.02 \leq 3.0

So SAR evaluation is not required for this device.

MORLAB GROUP

Tel: 86-755-36698555 Http://www.morlab.com



ANNEX A GENERAL INFORMATION

1. Identification of the Responsible Testing Laboratory

Company Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Department:	Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Responsible Test Lab Manager:	Mr. Su Feng
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
AB	Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang
	Road, Block 67, BaoAn District, ShenZhen, GuangDong
	Province, P. R. China

***** END OF REPORT *****

MORLAB GROUP

FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China Tel: 86-755-36698555 Http://www.morlab.com

Fax: 86-755-36698525 E-mail: service@morlab.cn