FCC 47 CFR PART 15 SUBPART C 15.247

TEST REPORT

FOR

THE WEARABLE

Model : TGB003

Issued to

INTELINOVA SOFTWARE, S.L.
CAMINO DE LA GOLETA SN EDIF LA CELULOSA 1 LOCAL IZQ 04007
ALMERIA Spain
Issued by
WH Technology Corp.

Open Site		**No.120, Ln. 5, Hudong St., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)**
EMC Test Site	**Xizhi Office and Lab**	**7F., No.262, Sec. 3, Datong Rd., Xizhi Dist., New Taipei City 221, Taiwan (R.O.C.)**
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1. GENERAL INFORMATION

Applicant	:	**INTELINOVA SOFTWARE, S.L.**
Address	:	**CAMINO DE LA GOLETA SN EDIF LA CELULOSA 1 LOCAL IZQ 04007 ALMERIA Spain**
Manufacturer	:	**Trainingym**
Address	:	**Camino de la Goleta, 1, 04007 Almeria, España, Spain**
Factory	:	**Vexos Dongguan Industrial Company Limited**
Address	:	**Plainvim Industrial Park, Zhongxin Avenue, Dongkeng Town, Dongguan, Guangdong Province, P.R.China**
EUT	:	**The wearable**
Model Name	:	**TGB003**
Trade Name	:	**TGBand**
Model Differences	:	**N/A**

Is here with confirmed to comply with the requirements set out in the FCC Rules and Regulations Part 15 Subpart C and the measurement procedures were according to ANSI C63.10-2013. The said equipment in the configuration described in this report shows the maximum emission levels emanating

FCC part 15 Subpart C

Receipt Date : 07/02/2018 Final Test Date :07/28/2018

Tested By: **Reviewed by:**

July 28, 2018
(Date)

Bing Chang/ Engineer

July 28, 2018
(Date)

Bell Wei / Manager
Designation Number: TW2954

EUT Specification

EUT:	TGBand
M/N:	TGB003
FCC ID:	2AP27-TGB
Frequency band:(Operating)	☒ Bluetooth:2.402GHz~2.480GHz
Device category:	☒ Mobile (>20cm separation)
Antenna diversity:	☒ Single antenna
Antenna Type:	Fractus Antenna
Antenna gain:	0.2dBi
Evaluation applied:	☒ MPE Evaluation ☐ SAR Evaluation

Limits for Maximum Permissible Exposure (MPE)

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density(mW/cm2)	Average Time
(A) Limits for Occupational/Control Exposures				
300-1500	--	--	F/300	6
1500-1	--	--	5	6
(B) Limits for General Population/Uncontrol Exposures				
300-1500	--	--	F/1500	6
1500-100000	--	--	1	30

Friis transmission formula: $Pd=(Pout*G)\backslash(4*pi*R^2)$

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
Pd the limit of MPE, 1mW/cm2. If we know the maximum gain of the antenna and total power input to the antenna, through the calculation, we will know the distance where the MPE limit is Reached.

Measurement Result

Channel	Channel Frequency (MHz)	Max Output power (dBm)	Tolerance	Antenna gain	Max Tune-UP power (W)	Power density at 20cm (mW/cm^2)	Power density Limits (mW/cm2)
GFSK							
Low	2402	2.53	±0.5	0.2dBi	0.001875	0.000373	1
Middle	2440	2.47	±0.5	0.2dBi	0.001849	0.000367	1
High	2480	1.44	±0.5	0.2dBi	0.001837	0.000365	1

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