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RAPPORTO DI PROVA / *TEST REPORT*

Rif./*Ref*.No. MPETR_170181-3	**Data / D*ate:* 31/07/2017**	Pagine / *Pages* **: 7**
Scopo delle prove /*Test object :*	Prove di tipo in accordo a / *Type test according to* **FCC Cfr 47 part 2 - §2.1091, part 1 - §1.1310**	
Richiedente / *Applicant* **:**	**CaptoGlove LLC** 51 3rd St, Bldg 6 - Shalimar FL32579 - United States Tel.: +1 850 290 8028	
Persona di riferimento / *Applicant's referee :*	**Sergio De Cristofaro** sergio.decristofaro@captoglove.us	
Marchio commerciale / *Trade mark* **:**	captoglove	
Fabbricante / *Manufacturer :*	CaptoGlove LLC	
Prodotto / *Product :*	Wearable Bluetooth motion controller for smart devices	
Modello / *Model* **:**	**1**	
EUT FCC ID	2AK3F00001	
Data ricevimento campioni / *Date of test samples receipt*:	20/06/2017	
Campioni verificati / *No. of tested samples*	1	
Data verifiche / *Testing date* :	07/07/2017	
Sito di prova / *Testing site :*	Prima Ricerca & Sviluppo Via Campagna - 92 I - 22020 FALOPPIO CO	
Esito delle valutazioni / *Assessment results :*	**CONFORME / COMPLIANT**	
Verifiche effettuate da / *Verifications carried out by :*	Daniele AOSANI Tecnico Laboratorio EMC & RADIO / *EMC & RADIO Laboratory Technician*	Daniele Aosani
Approvato / *Approved by* **:**	Enrico BANFI Responsabile Laboratorio EMC & RADIO / *EMC & RADIO Laboratory Manager*	Banfi Enrico

I risultati delle prove riportati nel presente rapporto di prova si riferiscono solo ai campioni esaminati./*The test results reported in this test report shall refer only to the samples tested*

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0 RELEASE CONTROL RECORD

TEST REPORT NUMBER	REASON OF CHANGE	DATE OF ISSUE
MPETR_170181-0	Original Release	28/07/2017
MPETR_170181-1	Editorial Changes	31/07/2017
MPETR_170181-2	Editorial Changes	31/07/2017
MPETR_170181-3	Editorial Changes	31/07/2017

1 TECHNICAL INFORMATION OF EQUIPMENT UNDER TEST (EUT)

1.1 Identification

Trademark:	captoglove
Manufacturer:	CaptoGlove LLC
Type of Equipment :	Wearable Bluetooth motion controller for smart devices
Model name:	1
Serial number :	Prototype
FCC ID :	2AK3F00001
Country of manufacturer:	United States of America

Technical data

Product type:	Radio Equipment
Radio type:	Intentional radiators
Product description / application	Motion controller with Bluetooth LE module
Power supply requirements :	3,7V (internal battery)
Operating Frequency range	2400-2483.5MHz
Operating Frequency:	From 2402MHz to 2480MHz
Channel bandwidth	2MHz
Channel spacing	2MHz
Number of Channel	40
Type of modulation :	GFSK
Antenna Type	Integrated antenna

1.2 Ports identification

This section contains descriptions of all signal ports and AC/DC power input/output ports, the length and the type of the cable provided by manufacturer needed for the tests. Moreover it is specified if the ports are ever or optionally connected.

Port		*Description*	*Connection*
1	**Enclosure**	Plastic / Cloth	---
2	**AC Power Supply**	Port not present	---
3	**DC power supply**	Port not present (internal battery)	Battery
4	**Signal lines**	Port not present	---
5	**Telecomm. Lines**	Port not present	---
6	**Antenna port**	Integrated antenna	---
Note: During the tests all cables must be what provided the manufacturer or the same that used in the real employment of the EUT.			

1.3 Auxiliary equipment

- None

2 REFERENCE STANDARDS

CODE OF FEDERAL REGULATIONS	
Title 47 Part 1 Subpart I § 1.1310	Procedures Implementing the National Environmental Policy Act of 1969. Radiofrequency radiation exposure limits.
Title 47 Part 2 Subpart J § 2.1091	Radiofrequency radiation exposure evaluation: mobile devices.
ANSI C63.4	American National Standard for Methods of Measuring of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz – 40 GHz

3 MEASUREMENTS AND CALCULATION RESULTS

3.1 RF Output Power:

Tx frequency range: 2402 – 2480 MHz
Maximum Output Power: -7.4dBm (0.182mW)

3.2 Calculation method and limits

SAR Test Exclusion Thresholds:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] · [√f(GHz)] ≤ 3.0 (for 1-g body SAR) or 7.5 (for 10-g extremity SAR)

where respectively

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

3.3 Calculation results

Maximum Output Power: 0.182mW
Min Test separation distance: 5mm
f: 2.480GHz (as worst case)
Exclusion Threshold: 7.5 (10-g extremity SAR)

$$\frac{0.182mW}{5mm} * \sqrt{2.480} = 0.057 \leq 7.5$$

RESULT: The device is excluded from SAR testing.