RF Exposure Evaluation

FCC ID:	2AVZW-AC6000BT
APPLICANT:	Acetk Corp LTD.
Application Type:	Certification
Product:	CHRONOGRAPH
Model No.:	AC6000BT
Trademark:	
FCC Rule Part(s):	Part 2.1091 (Mobile)
IC Standard:	RSS 102 (issue5)
Test Procedure(s):	KDB 447498 D01v06
Test Date:	March 17, 2020

Tested By : Peter Syu

(Peter Syu)

Reviewed By : Paddy Chen

(Paddy Chen)

Approved By : Chenz Ker

(Chenz Ker)

Testing Laboratory
3261

Revision History

Report No.	Version	Description	Issue Date	Note
2003TW2603-U3	1.0	Original Report	2020-03-31	

1. PRODUCT INFORMATION

1.1. Equipment Description

Product Name	CHRONOGRAPH
Model No.	AC6000BT
Trademark	
Supports Radios Spec.	Bluetooth V4.2 LE
Frequency Range	2402MHz ~ 2480MHz
Type of Modulation	GFSK

1.2. Antenna Description

No.	Brand Name	Part No.	Antenna Type	Peak Gain
1	Acetk	AC6000ANT	PCB Antenna	0.5 dBi

2. RF Exposure Evaluation

2.1. FCC Limits

According to FCC KDB 447498 Section 4.3 - General SAR test exclusion guidance

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

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

where

1. f(GHz) is the RF channel transmit frequency in GHz
2. Power and distance are rounded to the nearest mW and mm before calculation
3. The result is rounded to one decimal place for comparison
4. The values 3.0 and 7.5 are referred to as numeric thresholds in step b) below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

2.2. Test Result of RF Exposure Evaluation

Mode	Frequency Band (MHz)	Average Output Power (dBm)	Output Power (mW)	FCC SAR Test Exclusion Threshold (mW)
BLE	2402~2480	-3.5	0.45	10

So, this device can complies the SAR test exclusion.

The End