



# SAR Exclusion Report

FOR:

Manufacturer: iRhythm Technologies  
Model Number: K101A5001  
FCC ID: 2AFBP-SR15P

Test Report #: SAR\_IRHYT-002-15001\_FCC

Date of Report: October 9, 2015



## **CETECOM Inc.**

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## 1. Assessment

The following device was evaluated against the limits for general population uncontrolled exposure specified in FCC 2.1093 according to SAR evaluation exclusion requirements specified in FCC regulation as listed in KDB 447498 and no deviations were ascertained during the course of the assessment.

Manufacturer	Description	Model #
iRhythm Technologies	ZIO SR ECG Patch	K101A5001

### Responsible for Testing Laboratory:

October 9, 2015      Compliance      Josie Sabado  
(Test Lab Manager)

Date	Section	Name	Signature
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### Responsible for the Report:

October 9, 2015      Compliance      James Donnellan  
(Sr. EMC Engineer)

Date	Section	Name	Signature
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The test results of this test report relate exclusively to the test item specified in Section 3.

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## 2. Administrative Data

### 2.1. Identification of the Testing Laboratory Issuing the SAR Test Report

Company Name	CETECOM Inc.
Department	Compliance
Address	411 Dixon Landing Road Milpitas, CA 95035 U.S.A.
Telephone	+1 (408) 586 6200
Fax	+1 (408) 586 6299
Test Lab Manager	Josie Sabado
Responsible Project Manager	James Devasia

### 2.2. Identification of the Client

Applicant's Name	iRhythm Technologies
Street Address	650 Townsend St., Ste 380
City/Zip Code	San Francisco, CA 94103
Country	USA

### 2.3. Identification of the Manufacturer

Same as above client.

### 3. Equipment under Test (EUT)

#### 3.1. General Specification of the Equipment under Test

Model No:	K101A5001
FCC ID:	2AFBP-SR15P
Product Type:	Portable
RF Exposure Environment:	General / Uncontrolled
Exposure Conditions:	Body Worn
Supported Radios:	Bluetooth LE (v4.0)

#### 3.1. Antenna Information

Antenna	Type	Frequency (MHz)	Manufacturer Stated Max Peak Gain (dBi)
Bluetooth	Trace Antenna	2400 – 2483.5	2

#### 3.2. Technical Specification of Supported Radios

Signal Type	Duty Cycle	Type(s) of Modulation	Uplink Transmit Frequency Range (MHz)	Declared Maximum Conducted Output Power (dBm)
Bluetooth 4.0	63%	GFSK	2400 – 2483.5	0

#### 4. Subject of Investigation

The objective of the evaluation done by CETECOM Inc. was to assess the applicability of SAR evaluation exclusion according to methods described in applicable standards.

##### 4.1. The FCC Exposure Criteria

The FCC SAR test exclusions are set by FCC KDB 447498 section 4.3.

#### 5. Stand-Alone SAR Evaluation Exclusion

According to KDB 447498, SAR evaluation can be excluded if the following equation is satisfied:

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

The maximum power of channel is 1 mW (0 dBm). A minimum test separation distance of 5 mm is used for this calculation because the minimum test separation distance is less than 5 mm. Using the above equation:

$$[(1 \text{ mW})/(5 \text{ mm})] \cdot [\sqrt{2.480}] = 0.3$$

SAR testing is excluded because the exclusion threshold of 0.3 is less than 3.0

#### 6. Report History

Date	Report Name – Changes to Report	Report prepared by
October 6, 2015	SAR_IRHYT-002-15001_FCC 1. First Version	J. Donnellan