

RF Exposure Evaluation Report

Product Name : Blood Glucose Monitoring System

Model No. : TysonBio HS100-B

FCC ID : 2AJZ6HS100B

Applicant : Tyson Bioresearch, Inc.

Address : 5F., No. 16 、 18 、 20 、 22, Ke E. Road III, Chu-Nan Township, Miaoli County, Taiwan, R.O.C.

Date of Receipt : Mar. 27, 2018

Date of Declaration : May 25, 2018

Report No. : 1830403R-SAUSP03V00

Report Version : V1.0

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration report of the equipment and evaluated measurement uncertainty herein.

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Issued Date: May 25, 2018
 Report No.: 1830403R-SAUSP03V00



Product Name	Blood Glucose Monitoring System
Applicant	Tyson Bioreserach, Inc.
Address	5F., No. 16 、 18 、 20 、 22, Ke E. Road III, Chu-Nan Township, Miaoli County, Taiwan, R.O.C.
Manufacturer	Tyson Bioreserach, Inc.
Model No.	TysonBio HS100-B
FCC ID.	2AJZ6HS100B
Trade Name	Tyson Bio
Applicable Standard	FCC 47 CFR 1.1307
Test Result	Complied

Documented By :


 (Senior Adm. Specialist / Joanne Lin)

Tested By :


 (Senior Engineer / Wen Lee)

Approved By :


 (Director / Vincent Lin)

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Blood Glucose Monitoring System
Trade Name	Tyson Bio
Model No.	TysonBio HS100-B
FCC ID.	2AJZ6HS100B
Frequency Range	2402-2480MHz
Channel Number	V4.0: 40CH
Type of Modulation	V4.0: GFSK(1Mbps)
Antenna Type	PIFA Antenna
Channel Control	Auto
Antenna Gain	Refer to the table “Antenna List”

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	Tyson Bioresearch, Inc.	N/A	PIFA Antenna	5.3dBi for 2.4 GHz

2. RF Exposure Evaluation

2.1. Standard Applicable

According to 1.1307 (b)(1), systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

2.2. Measurement Result:

According to KDB 447498 D01 Mobile Portable RF Exposure v06

1.) Operation frequency = 2450MHz and antenna separation distance = 5mm,
SAR Test Exclusion Threshold = 10mW

Frequency Band	Maximum output power		SAR Test Exclusion Threshold
	Peak Gain: 5.3dBi	Conductive (dBm)	
2402MHz	-1.77	2.25	10

The SAR measurement is not necessary.