

RF Exposure Evaluation Report

Product Name : Victrix Gambit headset for Xbox

Model No. : 049-003R

FCC ID : X5B-049003R

Applicant : Performance Designed Products, LLC

Address : 14144 Ventura Blvd., Suite 200 Sherman Oaks, CA91423 USA

Date of Receipt : Oct. 14, 2020

Date of Declaration : Dec. 24, 2020

Report No. : 20A0255R-E3082100014

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.

This report must not be used to claim product endorsement by TAF or any agency of the government.

The test report shall not be reproduced without the written approval of DEKRA Testing and Certification Co., Ltd.

Measurement uncertainties evaluated for each testing system and associated connections are given here to provide the system information for reference. Compliance determinations do not take into account measurement uncertainties for each testing system, but are based on the results of the compliance measurement.

Issued Date: Dec. 24, 2020

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Product Name	Victrix Gambit headset for Xbox	
Applicant	Performance Designed Products, LLC	
Address	14144 Ventura Blvd., Suite 200 Sherman Oaks, CA91423 USA	
Manufacturer	Performance Designed Products, LLC	
Model No.	049-003R	
FCC ID.	X5B-049003R	
Trade Name	Victrix	
Applicable Standard	KDB 447498 D01 v06	<input type="checkbox"/> Minimum test separation distance ≥ 20 cm <input checked="" type="checkbox"/> For low power devices
Test Result	Complied	

Documented By :



(Adm. Assistant / Peggy Tu)

Tested By :



(Engineer / Wen Lee)

Approved By :



(Director / Vincent Lin)

Revision History

Report No.	Version	Description	Issued Date
20A0255R-E3082100014	V1.0	Initial issue of report.	2020-12-24

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	Victrix Gambit headset for Xbox
Trade Name	Victrix
Model No.	049-003R
FCC ID.	X5B-049003R
Frequency Range	2405.35 – 2477.35MHz
Channel Number	37CH
Type of Modulation	Pi/4 DQPSK
Antenna Type	PCB Antenna
Antenna Gain	Refer to the table “Antenna List”

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	TATUNG	051-044R,048-056R(Ant 1)	Printed on PCB	5.48dBi for 2.4 GHz
2	TATUNG	051-044R,048-056R(Ant 2)	Printed on PCB	2.08dBi 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 Publication 447498 D01, section 4.3.1, per the calculations of item 1 ($\text{Power(mW)}/\text{separation (mm)} \times \sqrt{f(\text{GHz})} \leq 3.0$), SAR is required as shown in the table below where calculated values are greater than 3.0:

Operation frequency = 2450MHz and antenna separation distance = 10mm

Body SAR Test Exclusion Threshold = 19mW

Frequency Band (MHz)	Maximum peak output power Peak Gain: 5.48dBi			SAR Test Exclusion Threshold	Calculated Threshold Value (≤ 3.0 SAR is not required)
	conducted (dBm)	EIRP (dBm)	EIRP (mW)	(mW)	
2405.35	4.41	9.89	9.75	19	1.512

Note1: The SAR/MPE measurement is not necessary.

Note2: The maximum peak output power is refer to report No.: 20A0255R-E3032110111 from the DEKRA.