

RF Exposure Evaluation Report

Product Name : ASUS VivoWatch 5

Model No. : HC-B05

FCC ID : MSQ-HC-B05

Applicant : ASUSTeK Computer, Inc

Address : 1F, No. 15, Lide Rd, Beitou, Taipei, 112 Taiwan

Date of Receipt : Jul. 25, 2021

Date of Declaration : Oct. 18, 2021

Report No. : 2171035R-RFUSMPEV03

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: Oct. 18, 2021

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Product Name	ASUS VivoWatch 5	
Applicant	ASUSTeK Computer, Inc	
Address	1F, No. 15, Lide Rd, Beitou, Taipei, 112 Taiwan	
Manufacturer	ASUSTeK Computer, Inc	
Model No.	HC-B05	
FCC ID.	MSQ-HC-B05	
Trade Name	ASUS	
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 :

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(Supervisor / Jinn Chen)

Tested By :

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(Supervisor / Wen Lee)

Approved By :

Tim Sung

(Manager / Tim Sung)

Revision History

Report No.	Version	Description	Issued Date
2171035R-RFUSMPEV03	V1.0	Initial issue of report.	Oct. 18, 2021

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	ASUS VivoWatch 5
Trade Name	ASUS
Model No.	HC-B05
FCC ID.	MSQ-HC-B05
Frequency Range	2402-2480MHz
Channel Number	40CH
Type of Modulation	GFSK
Antenna Type	Loop Antenna
Antenna Gain	Refer to the table "Antenna List"

Antenna List

No.	Manufacturer	Part No.	Antenna Type	Peak Gain
1	ASUS	Asta 1.3	Loop Antenna	-1.69dBi 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 ($\text{Power(mW)}/\text{separation (mm)} \cdot \sqrt{f(\text{GHz})} \leq 3.0$), SAR is required as shown in the table below where calculated values are greater than 3.0:

Operation frequency = 2450MHz and antenna separation distance = 5mm

Body SAR Test Exclusion Threshold = 10mW

Frequency Band (MHz)	Maximum peak output power		Body SAR Test Exclusion Threshold	Calculated Threshold Value (≤ 3.0 SAR is not required)
	(dBm)	(mW)	(mW)	
2480	3.29	2.13	10	0.667

Note1: The SAR/MPE measurement is not necessary.

Note2: The maximum peak output power is refer to report No.: 2171035R-RFUSBLEV01 from the DEKRA.