RF Exposure Evaluation Report

Product Name : ASUS VivoWatch 5 Aero

Model No. : HC-C05

FCC ID : MSQ-HC-C05

Applicant : ASUSTeK Computer, Inc

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

Date of Receipt : 2022/08/21

Issued Date : 2022/10/20

Report No. : 2280641R-RFUSMPEV03-A

Report Version : V1.0

Testing Laboratory
3023

Issued Date: 2022/10/20
Report No.: 2280641R-RFUSMPEV03-A

Product Name	ASUS VivoWatch 5 Aero	
Applicant	ASUSTeK Computer, Inc	
Address	1F, No. 15, Lide Rd, Beitou, Taipei, 112 Taiwan	
Manufacturer	ASUSTeK Computer, Inc.	
Trade Name	ASUS	
Model No.	HC-C05	
FCC ID	MSQ-HC-C05	
Applicable Standard	KDB 447498 D01 v06	☐ Minimum test separation distance ≥ 20 cm ☒ For low power devices
Test Result	Complied	

Documented By : Ida Tung

(Project Specialist / Ida Tung)

Tested By : Alan Chen

(Senior Engineer / Alan Chen)

Approved By : Tim Sung

(Manager / Tim Sung)

Revision History

Report No.	Version	Description	Issued Date
2280641R-RFUSMPEV03-A	V1.0	Initial issue of report.	2022/10/20

1. GENERAL INFORMATION

1.1. EUT Description

Product Name	ASUS VivoWatch 5 Aero
Model No.	HC-C05
Trade Name	ASUS
FCC ID	MSQ-HC-C05

Note: For more detailed information please refer to report No.: 2280641R-RFUSBLEV01-A.

1.2. Test Facility

USA : FCC Registration Number: TW0033

Canada : CAB Identifier Number: TW3023 / Company Number: 26930

Site Description	:	Accredited by TAF Accredited Number: 3023
Test Laboratory	:	DEKRA Testing and Certification Co., Ltd
Address	:	No. 5-22, Ruishukeng Linkou District, New Taipei City, 24451, Taiwan
Performed Location	:	No. 26, Huaya 1st Rd., Guishan Dist.,Taoyuan City 333411, Taiwan, R.O.C.
Phone number	:	+886-3-275-7255
Fax number	:	+886-3-327-8031
Email address	:	info.tw@dekra.com
Website	:	http://www.dekra.com.tw

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 (Power(mW)/separation (mm)*sqrt(f(GHz)≤3.0), SAR is required as shown in the table below where calculated values are greater than 3.0:

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

Frequency Band (MHz)	Antenna Gain	Output power				SAR Test Exclusion Threshold	Calculated Threshold Value (≦3.0 SAR is not required)
	(dBi)	Conducted (dBm)	Conducted (mW)	EIRP (dBm)	EIRP (mW)	(mW)	
2402	-3.7	4.17	2.61	0.47	1.11	10	0.345

Note1: No RF Exposure evaluation required since maximum Transmitter Pout (both conducted and EIRP) is below exclusion threshold.

Note2: The SAR/MPE measurement is not necessary.

Note3: The maximum output power is refer to report No.: 2280641R-RFUSBLEV01-A from the DEKRA.