RF Exposure Report

Report No.:	SA190226C19A
FCC ID:	HD5-HONST60
Test Model:	HON-ST60
Received Date:	Apr. 09, 2019
Test Date:	May 29 ~ May 31, 2019
Issued Date:	Jun. 05, 2019
Applicant:	Honeywell International Inc
Address:	9680 Old Bailes Rd Fort Mill South Carolina United States
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C.
Test Location:	No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN (R.O.C.)
FCC Registration / Designation Number:	788550 / TW0003

Testing Laboratory
2021

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Release Control Record

Issue No.	Description	Date Issued
SA190226C19A	Original release.	Jun. 05, 2019

1 Certificate of Conformity

Product:	Wi-Fi Module
Brand:	Honeywell
Test Model:	HON-ST60
Sample Status:	Engineering sample
Applicant:	Honeywell International Inc
Test Date:	May 29 ~ May 31, 2019
Standards:	FCC Part 2 (Section 2.1091) KDB 447498 D01 General RF Exposure Guidance v06 IEEE C95.1-1992

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by : Pettie Chen , **Date:** Jun. 05, 2019

Pettie Chen / Senior Specialist

Approved by : Bruce Chen , **Date:** Jun. 05, 2019

Bruce Chen / Project Engineer

2 RF Exposure

2.1 Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm^2)	Average Time (minutes)
Limits For General Population / Uncontrolled Exposure				
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1500	…	…	f/1500	30
1500-100,000	…	…	1.0	30

f = Frequency in MHz; *Plane-wave equivalent power density

2.2 MPE Calculation Formula

$Pd = (Pout*G) / (4*pi*r^2)$
where
Pd = power density in mW/cm^2
Pout = output power to antenna in mW
G = gain of antenna in linear scale
pi = 3.1416
r = distance between observation point and center of the radiator in cm

2.3 Classification

The antenna of this product, under normal use condition, is at least 20cm away from the body of the user. So, this device is classified as Mobile Device.

3 Calculation Result of Maximum Conducted Power

Frequency Band (MHz)	Max Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
WLAN 2412~2462	16.83	2.44	20	0.017	1
WLAN 5180~5240	17.49	2.44	20	0.020	1
WLAN 5260~5320	15.40	2.44	20	0.012	1
WLAN 5500~5725	14.01	2.44	20	0.009	1
WLAN 5725~5825	11.28	2.44	20	0.005	1

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