RF Exposure Report

Report No.:	SABGMK-WTW-P21030811-1
FCC ID:	K7SAUF001V2
Test Model:	AUF001 V2
Received Date:	Mar. 23, 2021
Test Date:	Apr. 20 to May 8, 2021
Issued Date:	May 25, 2021
Applicant:	Belkin International., Inc
Address:	12045 East Waterfront Drive, Playa Vista, CA 90094, USA
Issued By:	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Lin Kou Laboratories
Lab Address:	No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan
FCC Registration / Designation Number:	198487 / TW2021

Testing Laboratory
2021

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Report Issue History Record

Issue No.	Description	Date Issued
SABGMK-WTW-P21030811-1	Original release.	May 25, 2021

Release Control Record

Issue No.	Description	Date Issued
SABGMK-WTW-P21030811-1	Original release.	May 25, 2021

1 Certificate of Conformity

Product:	SOUNDFORM™ Charge Bluetooth Speaker + Wireless Charger
Brand:	belkin
Test Model:	AUF001 V2
Sample Status:	Engineering sample
Applicant:	Belkin International., Inc
Test Date:	Apr. 20 to May 8, 2021
Standards:	FCC Part 2 (Section 2.1091)
References Test Guidance:	KDB 447498 D01 General RF Exposure Guidance v06

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 : Annie Chang , **Date:** May 25, 2021

Annie Chang / Senior Specialist

Approved by : Rex. Lai , **Date:** May 25, 2021

Rex Lai / Associate Technical Manager

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**.

2.4 Calculation Result Of Maximum Conducted Power

Function	Frequency Band (MHz)	Max AV Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm^2)	Limit (mW/cm^2)
BT EDR	2402-2480	0.85	4.98	20	0.0008	1

Note:
1. Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.
2. The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.
3. The worst MPE result of Qi function, refer to BV CPS report no.: SABGMK-WTW-P21030811.

Conclusion:
The formula of calculated the MPE is:
CPD1 / LPD1 + CPD2 / LPD2 + ……etc. < 1
CPD = Calculation power density
LPD = Limit of power density

BT + Qi = 0.0008 / 1.00 + 0.6928 / 1.63 = 0.4258
Therefore the maximum calculations of above situations are less than the “1” limit.

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