	BUREAU VERITAS
	RF Exposure Report
Report No.:	SA191021D02
FCC ID:	A94431974
Test Model:	431974
Received Date:	Oct. 21, 2019
Test Date:	Oct. 23 to 28, 2019
Issued Date:	Nov. 1, 2019
Applicant	Page Corneration
	Bose Corporation
Address.	100 The Mountain Road Framingham Massachusetts 01701-9168 United States
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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Release Control Record

Issue No.	Description	Date Issued
SA191021D02	Original release.	Nov. 1, 2019



1 Certificate of Conformity

Product:	TV Speaker
Brand:	BOSE
Test Model:	431974
Sample Status:	Engineering sample
Applicant:	Bose Corporation
Test Date:	Oct. 23 to 28, 2019
Standards:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01 General RF Exposure Guidance v06
	IEEE C95.3 -2002

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 :

Jelva Chen

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Approved by :

Date: Nov. 1, 2019

, Date: Nov. 1, 2019

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

Frequency Band	Max Power	Antenna Gain	Distance	Power Density	Limit
(MHz)	(dBm)	(dBi)	(cm)	(mW/cm ²)	(mW/cm²)
2402 ~ 2480	5.21	3.96	20	0.00164	1

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

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