

RF EXPOSURE REPORT

Applicant	Circus World Displays Limited
Address	4080 Montrose Road, Niagara Falls, ON L2H 1J9 Canada

Manufacturer or Supplier	Guangdong Leetac Electronics Technology Co ., Ltd.
Address	No.15 Danli Road, South District, Zhongshan, Guangdong, China.
Product	Bookshelf Speakers
Brand Name	ELECTROHOME
Model	EB20
Additional Models & Model Difference	EB20B, EB20BK, EB20C, EB20M, EB20W, EB20WH, EB10, EB10B, EB10BK, EB10C, EB10M, EB10W, EB10WH; See items 3.1
Date of tests	Oct. 24, 2022 ~ Nov. 01, 2022

FCC Part 2 (Section 2.1091)

KDB 447498 D01

IEEE C95.1

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Tested by Niko Zhang
Project Engineer / EMC Department

Approved by Glyn He
Assistant Manager / EMC Department




Date: Nov. 23, 2022

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**BUREAU
VERITAS**

Test Report No.: FM2210WDG0152

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM2210WDG0152	Original release	Nov. 23, 2022

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1. CERTIFICATION

FCC ID:	SMH-EB10EB20
PRODUCT:	Bookshelf Speakers
BRAND NAME:	ELECTROHOME
MODEL NO.:	EB20
ADDITIONAL NO.:	EB20B, EB20BK, EB20C, EB20M, EB20W, EB20WH, EB10, EB10B, EB10BK, EB10C, EB10M, EB10W, EB10WH
APPLICANT:	Circus World Displays Limited
STANDARDS:	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1



2. RF EXPOSURE LIMIT

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				
300-1500	F/1500	30
1500-100,000	1.0	30

F = Frequency in MHz

3. MPE CALCULATION FORMULA

$$Pd = (Pout * G) / (4 * pi * r^2)$$

where

Pd = power density in mW/cm²

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

4. 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**.



5. ANTENNA GAIN

The antennas provided to the EUT, please refer to the following table:

Transmitter Circuit	Peak Gain (dBi)	Antenna Type
Chain 0	0.26	PCB Antenna

6. CALCULATION RESULT OF MAXIMUM CONDUCTED AV POWER

The tuned conducted Average Power (declared by client)

Mode	Frequency (MHz)	Target Power (dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
GFSK	2402-2480	-2	+/-2	-4	0
8DPSK	2402-2480	-2	+/-2	-4	0

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2402	-1.37
8DPSK	2402	-1.46

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm ²)	LIMIT (mW/cm ²)
2402-2480	0	0.26	20	0.000211	1.0

--- END ---