



**BUREAU  
VERITAS**

Test Report No.: FM190520N002-2

# RF EXPOSURE REPORT

Applicant	ARKON ELECTRONICS(HUIZHOU)CO., LIMITED
Address	No.4 Taihao Road, High-tech Industrial Park, Sandong Town, Huicheng District, Huizhou, Guangdong, China



Manufacturer or Supplier	ARKON ELECTRONICS(HUIZHOU)CO., LIMITED
Address	No.4 Taihao Road, High-tech Industrial Park, Sandong Town, Huicheng District, Huizhou, Guangdong, China
Product	Senior Headphone System
Brand Name	ARKON, ARTISTE
Model	BH1900J
Additional Model & Model Difference	BH1900, E3
Date of tests	May 20, 2019 ~ Jun. 12, 2019

☒ **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 Breeze Jiang Project Engineer / EMC Department	Approved by Glyn He Supervisor/ EMC Department
	
	Date: Jun. 26, 2019

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FM190520N002-2	Original release	Jun. 26, 2019

**Bureau Veritas Shenzhen Co., Ltd.**  
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## 1. CERTIFICATION

<b>FCC ID:</b>	2APBSBH1901J-001T
<b>PRODUCT:</b>	Senior Headphone System
<b>BRAND NAME:</b>	ARKON, ARTISTE
<b>MODEL NO.:</b>	BH1900J
<b>ADDITIONAL NO.:</b>	BH1900, E3
<b>APPLICANT:</b>	ARKON ELECTRONICS(HUIZHOU)CO., LIMITED
<b>STANDARDS:</b>	FCC Part 2 (Section 2.1091)
	KDB 447498 D01
	IEEE C95.1

**NOTE:** Additional model BH1900 and E3 are identical with the test model BH1900J except the brand name, model number and optiacal jack for trading purpose. The model BH1900J has the brand name "ARKON", and the model E3 has the brand name "ARTISTE"; BH1900J/E3andBH1900 use the same receiver BH1900J/E3 with optical, BH1900 without optiacal jack..



## 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 <sup>2</sup> )	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

$$P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot r^2)$$

where

$P_d$  = power density in mW/cm<sup>2</sup>

$P_{out}$  = 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	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	-2	0
8DPSK	2402-2480	-2	+-2	-2	0

The measured conducted Average Power

Mode	Frequency (MHz)	Averaged Power (dBm)
GFSK	2441	-1.40
8DPSK	2441	-1.18

FREQUENCY BAND (MHz)	MAX AVERAGE POWER (dBm)	ANTENNA GAIN (dBi)	DISTANCE (cm)	POWER DENSITY (mW/cm <sup>2</sup> )	LIMIT (mW/cm <sup>2</sup> )
2402-2480	0	0	20	0.000199	1.0

--- END ---