RF Exposure Report

Applicant:	DIGIVIEW TECHNOLOGY LIMITED
Address of Applicant:	Room 509, 5/F, Tian Shu Block, Xinggang Tongchuanghui, No.6099 Baoan District, Shenzhen, GuangDong, China
Manufacturer/Factory:	DIGIVIEW TECHNOLOGY LIMITED
Address of Manufacturer/Factory:	Room 509, 5/F, Tian Shu Block, Xinggang Tongchuanghui, No.6099 Baoan District, Shenzhen, GuangDong, China

Equipment Under Test (EUT)

Product Name:	BLUETOOTH HEADSET
Trade Mark:	DigiView
Model No.:	DHBT076-R
Applicable standards:	EN 62311:2008
Date of sample receipt:	November 27, 2023
Date of Test:	November 27, 2023 To December 6, 2023
Date of report issue:	December 6, 2023
Test Result:	PASS *

* In the configuration tested, the EUT complied with the standards specified above.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.

Authorized Signature

Kevin Wang
Laboratory Manager

2 Version

Version No.	Date	Description
01	*December 6, 2023*	*Original*

Prepared By: Gary Wang ***Date:*** *December 6, 2023*

Project Engineer

Reviewed By: Kevin Wang ***Date:*** *December 6, 2023*

Reviewer

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4 General Information

4.1 General Description of EUT

Product Name:	BLUETOOTH HEADSET
Brand Name:	DigiView
Model No.:	DHBT076-R
Power Supply:	DC 5V⎓0.15A (power by type-c charging) or DC 3.7V 200mAh battery
Antenna Type:	Integral antenna
Antenna Gain:	0.0 dBi (Declared by Applicant)
Operation Frequency:	2402~2480MHz
Channel numbers:	BT BLE:40
Channel separation:	BT BLE:2MHz
Modulation technology:	BT BLE:GFSK

4.2 Description of Support Units

None.

4.3 Deviation from Standards

None.

4.4 Abnormalities from Standard Conditions

None.

4.5 Other Information Requested by the Customer

None.

5 Technical Requirements Specification in EN 62311

Test Requirement:	EN 62311
Test Method:	EN 62311
General Description of Applied Standards	EN 62311 Generic standard to demonstrate the compliance of electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (0 Hz–300 GHz) is to demonstrate the compliance of apparatus with the basic restrictions or reference levels on exposure of the general public related to electric, magnetic, electromagnetic fields as well as induced and contact current.
Limit:	According to EN 62311, the criteria listed in the below table shall be used to evalouate the environmental inpact of human exposure to radio-frequency (RF) radiation as specified table 2 of Council Recommendation 1999/519/EC.
Test method:	According to the Far field calculation formula:
Result:	Pass

Reference levels for electric, magnetic and electromagnetic fields (0 Hz to 300 GHz, unperturbed rms values)

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (μT)	Equivalent plane wave power density S_{eq} (W/m²)
0-1 Hz	—	$3,2 \times 10^4$	4×10^4	—
1-8 Hz	10 000	$3,2 \times 10^4/f^2$	$4 \times 10^4/f^2$	—
8-25 Hz	10 000	4 000/f	5 000/f	—
0,025-0,8 kHz	250/f	4/f	5/f	—
0,8-3 kHz	250/f	5	6,25	—
3-150 kHz	87	5	6,25	—
0,15-1 MHz	87	0,73/f	0,92/f	—
1-10 MHz	$87/f^{1/2}$	0,73/f	0,92/f	—
10-400 MHz	28	0,073	0,092	2
400-2 000 MHz	$1,375\ f^{1/2}$	$0,0037\ f^{1/2}$	$0,0046\ f^{1/2}$	f/200
2-300 GHz	61	0,16	0,20	10

Notes:

1. f as indicated in the frequency range column.

Far Field Calculation Formula

$$E = \frac{\sqrt{30PG(\theta,\phi)}}{r}$$

G = antenna gain relative to an isotropic antenna
θ, ϕ = elevation and azimuth angles to point of investigation
r = distance from observation point to the antenna

The antenna of the product, under normal use condition is at least 20cm away from the body of the user. Warning statement ot the user for keeing 20cm separation distance and the prohibition of operating to a person has been printed on the user manual. So, this product under normal use is located on electromagnetic far field between the human body.

Measurement Data:
Distance to human body: 20cm

BLE mode					
Frequency (MHz)	Output Power (dBm)	Output Power (mW)	E Field Strength (V/m)	Limit (V/m)	Result
2402~2480	-0.06	0.99	1.08	61.00	Pass

------End------