

RF Exposure

Applicant : OK Biotech co., Ltd.
Address : No. 91, Sec. 2, Gongdao 5th Rd., Hsinchu City 30070,
Taiwan
Product Name : Bluetooth Earbuds (Good Voice Nexus)
Brand Mark : OKB
Model : HT-002
FCC ID : 2A6MI-HT02
Report Number : BLA-EMC-202601-A5406
Date of Receipt : Jan. 13, 2026
Date of Test : Jan. 13, 2026 to Jan. 23, 2026
47 CFR Part 15, Part1.1307
Test Standard : 47 CFR Part 15, Part2.1093
KDB447498D04 General RF Exposure Guidance v01
Test Result : Pass

Compiled by: *Hugh*Review by: *Xavier*Approved by: *Blue Zheng*

Issued Date: Jan. 23, 2026

BlueAsia of Technical Services(Shenzhen) Co.,Ltd.Address: Building C, No. 107, Shihuan Road, Shiyuan Sub-District, Baoan District,
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Revise Record

Version No.	Date	Description
01	Jan. 23, 2026	Original

1 General information

1.1 General information

Applicant	OK Biotech co., Ltd.
Address	No. 91, Sec. 2, Gongdao 5th Rd., Hsinchu City 30070, Taiwan
Manufacturer	OK Biotech co., Ltd.
Address	No. 91, Sec. 2, Gongdao 5th Rd., Hsinchu City 30070, Taiwan
Factory	OK Biotech co., Ltd.
Address	No. 91, Sec. 2, Gongdao 5th Rd., Hsinchu City 30070, Taiwan

1.2 General description of EUT

Product name	Bluetooth Earbuds (Good Voice Nexus)
Model no.	HT-002
Series model	N/A
Power supply or adapter information	Earbuds: DC3.7V by Battery Base: DC3.87V by Battery
Hardware version	V1.2
Software version	V0.0.21

Left:

BT:

Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK, pi/4DQPSK, 8DPSK
Channel Spacing:	1MHz
Number of Channels:	79
Antenna Type:	Internal antenna
Antenna Gain:	2.51dBi(Provided by customer)

BT:

Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK
Rate data:	1Mbps; 2Mbps
Channel Spacing:	2MHz
Number of Channels:	40
Antenna Type:	Internal antenna
Antenna Gain:	2.51dBi(Provided by customer)

Right:

BT:

Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK, pi/4DQPSK, 8DPSK
Channel Spacing:	1MHz
Number of Channels:	79
Antenna Type:	Internal antenna
Antenna Gain:	2.51dBi(Provided by customer)

BT:

Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK
Rate data:	1Mbps; 2Mbps
Channel Spacing:	2MHz
Number of Channels:	40
Antenna Type:	Internal antenna
Antenna Gain:	2.51dBi(Provided by customer)

2 Laboratory and accreditations

The test facility is recognized, certified, or accredited by the following organizations:

Company name:	BlueAsia of Technical Services(Shenzhen) Co., Ltd.
Address:	Building C, No. 107, Shihuan Road, Shiyan Sub-District, Baoan District, Shenzhen, Guangdong Province, China
CNAS accredited No.:	L9788
A2LA Cert. No.:	5071.01
FCC Designation No.:	CN1252
ISED CAB identifier No.:	CN0028
Telephone:	+86-755-28682673
FAX:	+86-755-28682673

3 RF Exposure Compliance Requirement

3.1 Standard Requirement

According to 447498 D04 Interim General RF Exposure Guidance v01

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

3.2 Limits

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20 \text{ cm}} (d/20 \text{ cm})^x & d \leq 20 \text{ cm} \\ ERP_{20 \text{ cm}} & 20 \text{ cm} < d \leq 40 \text{ cm} \end{cases} \quad (\text{B. 2})$$

where

$$x = -\log_{10} \left(\frac{60}{ERP_{20 \text{ cm}} \sqrt{f}} \right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

Example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

Frequency (MHz)	Distance (mm)										
	5	10	15	20	25	30	35	40	45	50	
	300	39	65	88	110	129	148	166	184	201	217
	450	22	44	67	89	112	135	158	180	203	226
	835	9	25	44	66	90	116	145	175	207	240
	1900	3	12	26	44	66	92	122	157	195	236
	2450	3	10	22	38	59	83	111	143	179	219
	3600	2	8	18	32	49	71	96	125	158	195
	5800	1	6	14	25	40	58	80	106	136	169

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B. 1})$$

3.3 Result

$$\text{EIRP} = \text{pt} \times \text{gt} = (\text{E} \times \text{d})^2 / 30$$

Where:

pt = transmitter output power in watts,

gt = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m,

d = measurement distance in meters (m)

$$\text{Spot} = (\text{E} \times \text{d})^2 / 30 \times \text{gt}$$

Separation distance = 0.5cm

Left Ant gain = 2.51dBi

For left BT(Worst):

Max Output power = -3.495dBm @ 2480MHz

$$\text{EIRP} = -3.495\text{dBm} + 2.51\text{dBi} = -0.985\text{dBm} = 0.797\text{mW} < 2.736\text{mW}$$

$$\text{ERP} = -0.985 - 2.15 = -3.135\text{dBm}$$

Comply with RF exposure exemption limit.

Ant gain = 2.51dBi

For left BLE(Worst):

Max Output power = -2.448dBm @ 2480MHz

$$\text{EIRP} = -2.448\text{dBm} + 2.51\text{dBi} = 0.062\text{dBm} = 1.014\text{mW} < 2.736\text{mW}$$

$$\text{ERP} = 0.062 - 2.15 = -2.088\text{dBm}$$

Comply with RF exposure exemption limit.

Right Ant gain = 2.51dBi

For right BT(Worst):

Max Output power = -1.839dBm @ 2480MHz

$$\text{EIRP} = -1.839\text{dBm} + 2.51\text{dBi} = 0.671\text{dBm} = 1.167\text{mW} < 2.736\text{mW}$$

$$\text{ERP} = 0.671 - 2.15 = -1.479\text{dBm}$$

Comply with RF exposure exemption limit.

Ant gain = 2.51dBi

For right BLE(Worst):

Max Output power = -1.938dBm @ 2480MHz

$$\text{EIRP} = -1.938\text{dBm} + 2.51\text{dBi} = 0.572\text{dBm} = 1.782\text{mW} < 2.736\text{mW}$$

$$\text{ERP} = 0.572 - 2.15 = -1.578\text{dBm}$$

Comply with RF exposure exemption limit.

----END OF REPORT----

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Version: v1.1