RF Exposure

Applicant	:	Shenzhen Jumper Medical Equipment Co., Ltd.
Address	:	D Building, No. 71, Xintian Road, Fuyong Street, Baoan,Shenzhen, Guangdong, China 518103
Product Name	:	Pulse Oximeter
Brand Mark	:	N/A
Model	:	SPA11
FCC ID	:	2ADYL-SPA11
Report Number	:	BLA-EMC-202602-A6103
Date of Receipt	:	Feb. 9, 2026
Date of Test	:	Feb. 9, 2026 to Mar. 20, 2026
Test Standard	:	47 CFR Part 15, Part1.1307 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: Mar. 20, 2026

BlueAsia Technical Services (Shenzhen) Co., Ltd

Address: No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict,Bao'an District, Shenzhen, Guangdong, China

BlueAsia Technical Services (Shenzhen) Co., Ltd. BLA

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Revise Record

Version No.	Date	Description
01	Mar. 20, 2026	Original

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1 General information

1.1 General information

Applicant	Shenzhen Jumper Medical Equipment Co., Ltd.
Address	D Building, No. 71, Xintian Road, Fuyong Street, Baoan,Shenzhen, Guangdong, China 518103
Manufacturer	Shenzhen Jumper Medical Equipment Co., Ltd.
Address	D Building, No. 71, Xintian Road, Fuyong Street, Baoan,Shenzhen, Guangdong, China 518103
Factory	Shenzhen Jumper Medical Equipment Co., Ltd.
Address	D Building, No. 71, Xintian Road, Fuyong Street, Baoan,Shenzhen, Guangdong, China 518103

1.2 General description of EUT

Product name	Pulse Oximeter
Model no.	SPA11
Series model	N/A
Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK
Rate data:	1Mbps
Channel Spacing:	2MHz
Number of Channels:	40
Antenna Type:	PCB antenna
Antenna Gain:	0.18dBi(Provided by customer)
Power supply or adapter information	DC3V by battery
Hardware Version	V0.0.1
Software Version	V2.12
Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.	

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2 Laboratory and accreditations

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

Company name:	BlueAsia Technical Services (Shenzhen) Co.,Ltd.
Address:	No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
CNAS accredited No.:	L9788
A2LA Cert. No.:	5071.01
FCC Designation No.:	CN1252
ISED CAB identifier No.:	CN0028
Telephone:	+86-755-28682673
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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

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

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

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

3.3 Result

EIRP = pt x gt = $(E \times d)^2/30$

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)

Spot = $(EXd)^2/30$ x gt

Separation distance= 0.5cm

Ant gain = 0.18dBi

For BLE(Worst):

Max Output power = -0.146dBm @ 2402MHz

EIRP = -0.146dBm + 0.18dBi=0.034dBm=1.008mW< 2.788mW

ERP = 0.034-2.15= -2.116dBm

Comply with RF exposure exemption limit.

----END OF REPORT----

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