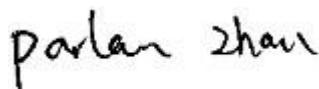


**1 Cover Page*****RF Exposure Evaluation Report***

**Application No.:** SHCR2210002195MI  
**FCC ID:** 2A9GA51206  
**Applicant:** Promovec A/S  
**Address of Applicant:** Langdyssen 6, DK-8200 Aarhus N, Denmark  
**Manufacturer:** Promovec A/S  
**Address of Manufacturer:** Langdyssen 6, DK-8200 Aarhus N, Denmark  
**Factory:** Promovec A/S  
**Address of Factory:** Langdyssen 6, DK-8200 Aarhus N, Denmark  
**Equipment Under Test (EUT):**  
**EUT Name:** DISPLAY  
**Model No.:** 51206  
**Standard(s) :** FCC Rules 47 CFR §2.1093  
KDB447498 D01 General RF Exposure Guidance v06  
**Date of Receipt:** 2022-10-14  
**Date of Test:** 2022-10-16 to 2022-10-21  
**Date of Issue:** 2022-10-31

<b>Test Result:</b>	<b>Pass*</b>
---------------------	--------------

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



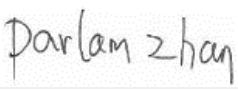
Parlam Zhan  
Laboratory Manager



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Revision Record			
Version	Description	Date	Remark
00	Original	2022-10-31	/

Authorized for issue by:			
		 Wade Zhang	
		<b>Wade Zhang/Project Engineer</b>	
		 Parlam Zhan	
		<b>Parlam Zhan /Reviewer</b>	



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### 3 General Information

#### 3.1 General Description of E.U.T.

Power supply:	DC 36V
---------------	--------

#### 3.2 General Description of E.U.T.

Operation Frequency:	2402MHz to 2480MHz
Bluetooth Version:	V4.2 LE
Modulation Type:	GFSK
Date Rate:	1Mbps
Number of Channels:	40
Channel Spacing:	2MHz
Antenna Type:	PCB Antenna
Antenna Gain:	1.3dBi (Provided by manufacturer)



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邮编: 201612 t (86-21) 61915666 f (86-21) 61915678 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

### 3.3 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd. Shanghai Branch

588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China.

Tel: +86 21 6191 5666

Fax: +86 21 6191 5678

No tests were sub-contracted.

Note:

1. SGS is not responsible for wrong test results due to incorrect information (e.g. max. clock frequency, highest internal frequency, antenna gain, cable loss, etc ) is provided by the applicant. (if applicable).
2. SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (if applicable).

### 3.4 Test Facility

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

- **A2LA (Certificate No. 6332.01)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. is accredited by the American Association for Laboratory Accreditation(A2LA).

- **FCC (Designation Number: CN1301)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been recognized as an accredited testing laboratory.

- **ISED (CAB Identifier: CN0020)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. EMC Laboratory has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 8617A

- **VCCI (Member No.: 3061)**

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-13868, C-14336, T-12221, G-10830 respectively.



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## 4 Test Standards and Limits

### 4.1 FCC Radiofrequency radiation exposure limits:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$[(\text{max power of channel})/(\text{min test separation distance})]^*[\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR, where

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm, and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm according to 4.1 f) is applied to determine SAR test exclusion.

The practical use condition for this device is as a limb-worn accessories. So the applicable limit is 10-g extremity SAR

For 2.4G band device, the limit of worse case is  $P_{\text{max}} \leq 7.5 * D_{\text{min}}) / \sqrt{f} = 7.5 * 5 / \sqrt{2.480} = 23.8 \text{ mW}$



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## 5 Measurement and Calculation

### 5.1 Maximum transmit power

The Power Data is based on the RF Test Report SHCR221000219501.

Test Mode	Test Channel	Power[dBm]	Peak Power (mW)
BLE	2402	-0.77	0.84
BLE	2440	-0.53	<b>0.89</b>
BLE	2480	-1.11	0.77

### 5.2 MPE Calculation

The Max Conducted Peak Output Power is 0.89mW, So the device is exclusion from SAR test.

--End of the Report--



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