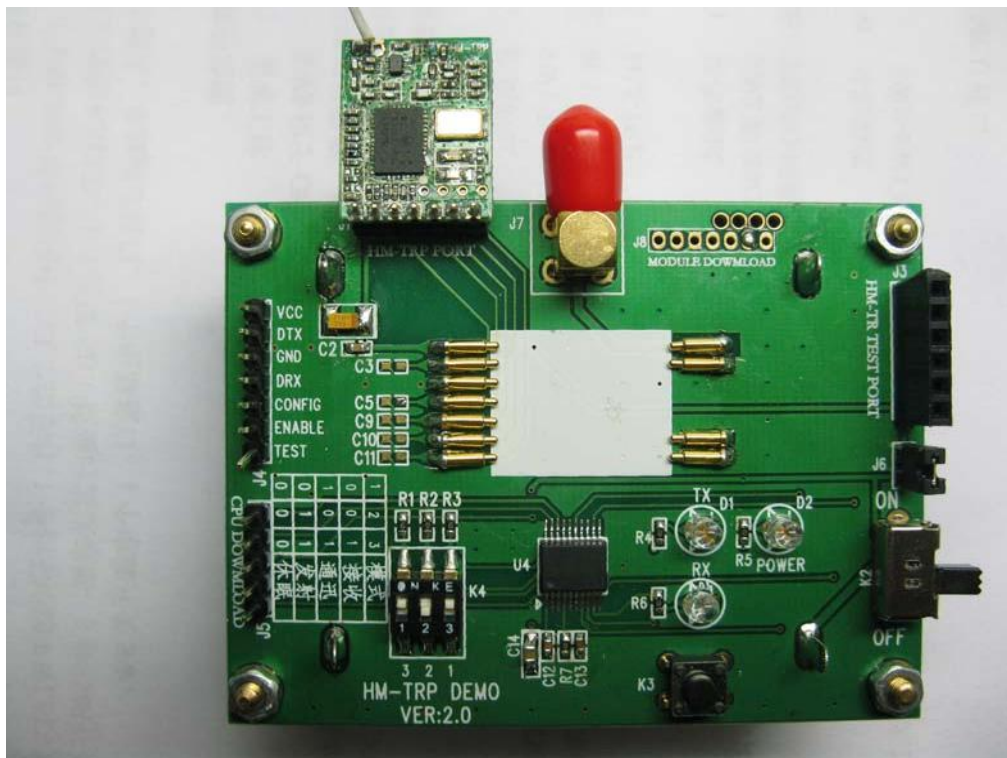


HM-TRP DEMO Operation Manual



HOPE MICROELECTRONICS CO.,LTD

Address: :2/F Building 3, Pingshan Private Enterprise ST Park,Nanshan District,
Shenzhen,Guangdong,China

Post Code: 518052

Tel: +86-755-82973805

Fax: +86-755-82973550

Domestic sales: ht@hoperf.com sales@hoperf.com

Overseas sales: trade@hoperf.com sales@hoperf.com

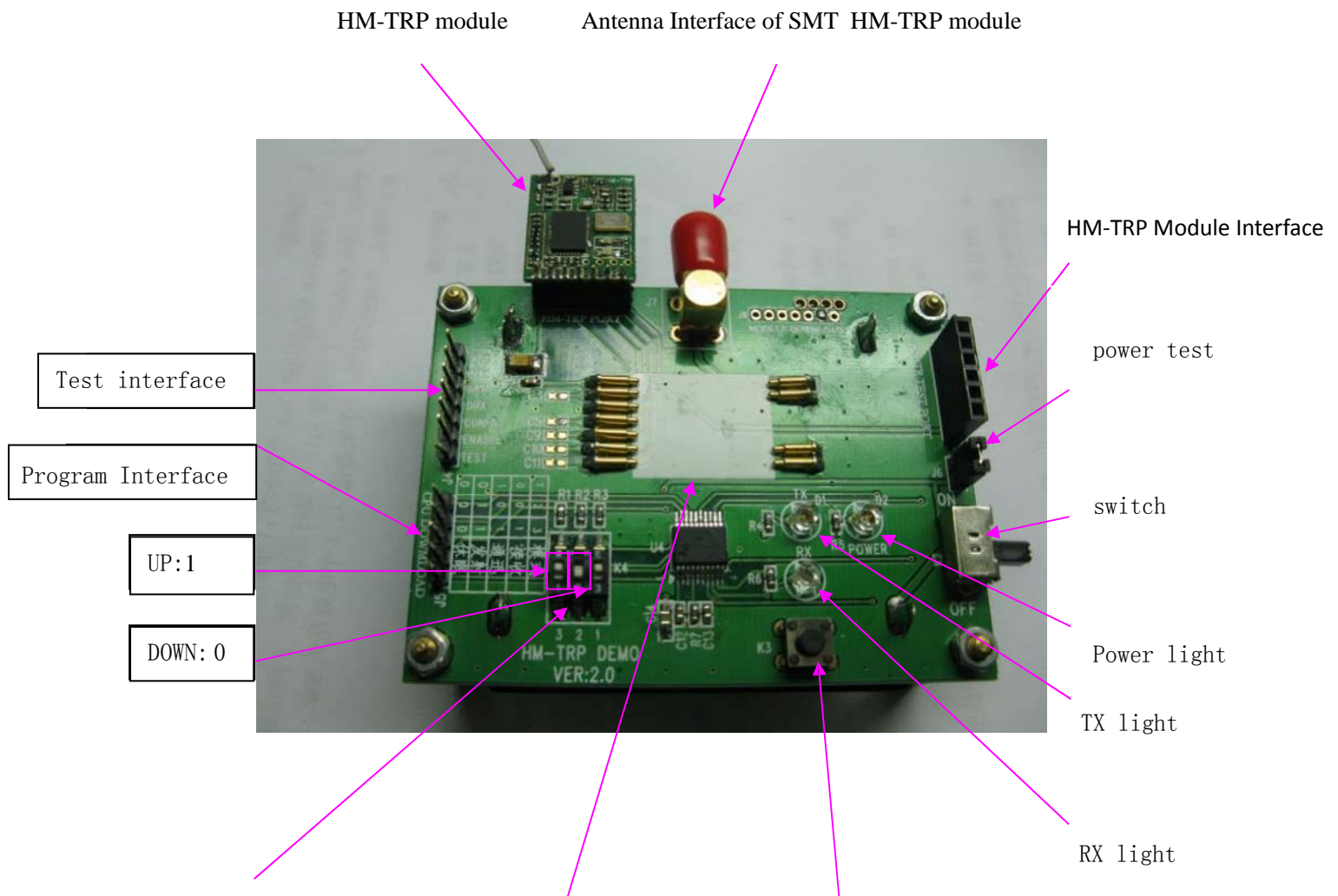
website: <http://www.hoperf.com>

一、 Introduction:

HM-TRP demo board is for HM-TRP module design. For performance demonstration, transmit power test, receiver sensitivity test, Distance test etc. HM-TRP demo board has receiving and transmitting functions. Users can easily test the HM-TRP module function and self-development program on HM-TRP demo board.

二、 Demo board picture.

1: HM-TRP DEMO board



This switch is used for setting operating mode. From left to right is SW3、SW2、 and SW1.

三、Function and operation

(一) Mode setting:

SW1	SW2	SW3	Mode
0	0	1	RX mode
1	0	1	Communication mode
0	1	1	TX mode
0	0	0	Sleep mode

(二) Instruction

1. Distance test: Let one of HM-TRP DEMO into communication Mode(It sends a packet of data per second)and another HM-TRP DEMO into RX mode(When receiving a packet of data, It sends the same data). Users observing LED lights.When data is transmitted, TX LED lights. When data is received, RX LED lights.
2. Communication test: Let one of HM-TRP DEMO into communication Mode and another HM-TRP DEMO into communication.Users observing LED lights.When data is transmitted, TX LED lights. When data is received, RX LED lights.
3. TX test:HM-TRP MEDO into TX mode that can test transmit power.(TXLED flashing indicate that the HM-TRP module is into TX mode)
4. RX test: HM-TRP MEDO into RX mode that can test receiver sensitivity (TEST PIN the output signal).
5. Sleep test: HM-TRP MEDO into Sleep mode then can test it power consumption.(Power consumption is less than 1UA)
6. Test interface: HM-TRP module External pin for Users measurement module status。
7. Program Interface: self-development program on HM-TRP demo board

(三) Attention :

- (1)Power Supply:3V.
- (2)When not in use, Power off or Let HM-TRP demo board into Sleep Mode .

HOPE MICROELECTRONICS CO.,LTD

Add: 2/F, Building 3, Pingshan Private Enterprise Science and Technology Park, Lishan Road, XiLi Town, Nanshan District, Shenzhen, Guangdong, China

Tel: 86-755-82973805

Fax: 86-755-82973550

Email: sales@hoperf.com

Website: <http://www.hoperf.com>

<http://www.hoperf.cn>

This document may contain preliminary information and is subject to change by Hope Microelectronics without notice. Hope Microelectronics assumes no responsibility or liability for any use of the information contained herein. Nothing in this document shall operate as an express or implied license or indemnity under the intellectual property rights of Hope Microelectronics or third parties. The products described in this document are not intended for use in implantation or other direct life support applications where malfunction may result in the direct physical harm or injury to persons. NO WARRANTIES OF ANY KIND, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MECHANICAL FITNESS OR FITNESS FOR A PARTICULAR PURPOSE, ARE OFFERED IN THIS DOCUMENT.

©2006, HOPE MICROELECTRONICS CO.,LTD. All rights reserved.