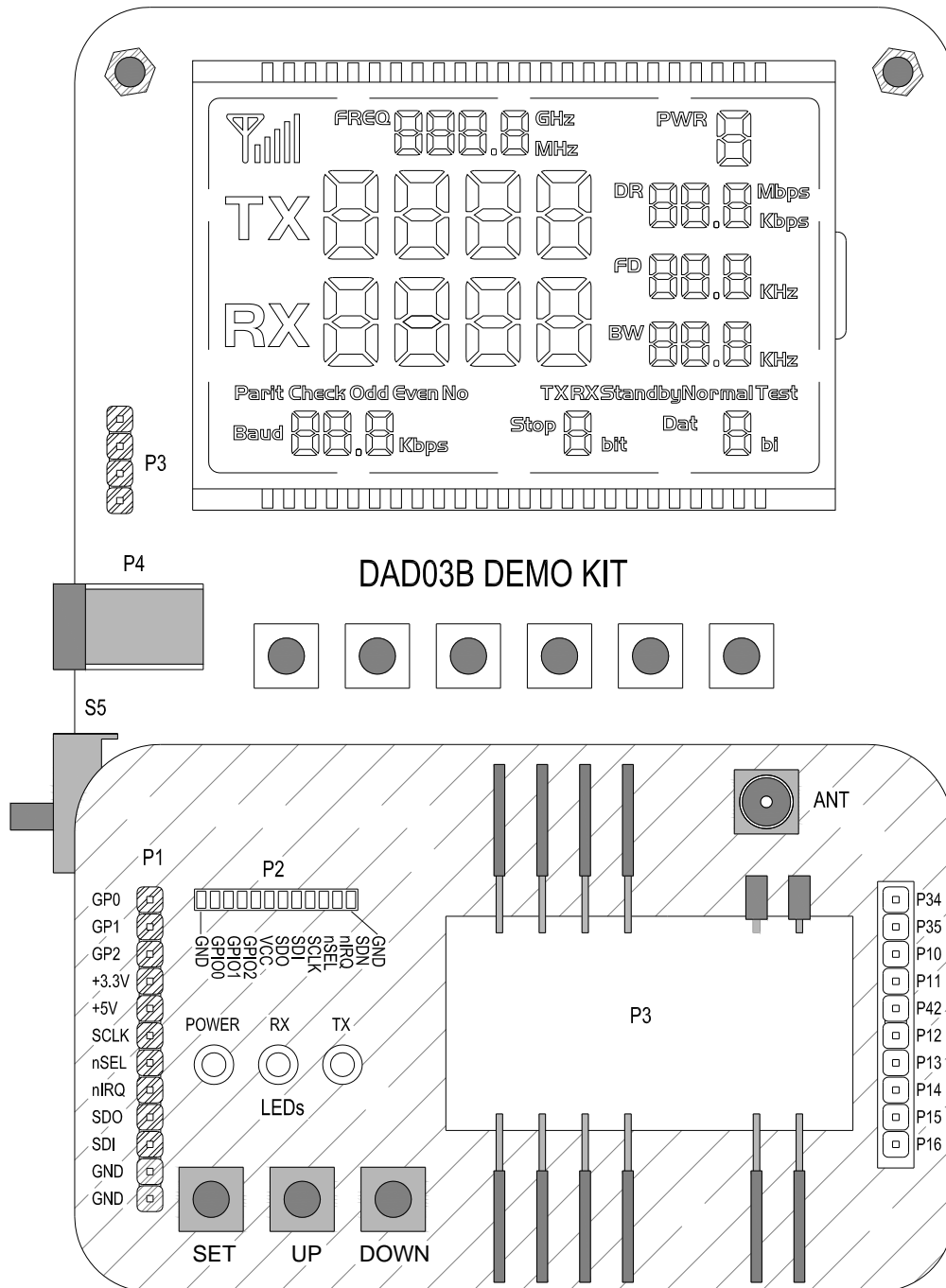

Operation Manual for Demo Kit DAD03B

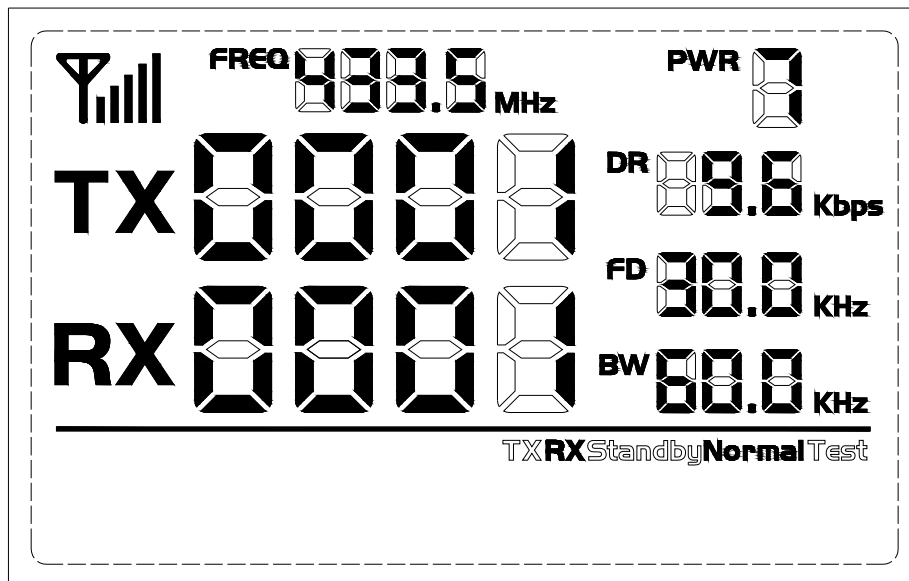
V1.00

The demo kit DAD03A is designed for low cost data transmission module DRF4432D20I. The kit mainly consists of LCD, Keypad, and MCU converter board. Users can change the center frequency, output power and data format through keypad and monitor related changes by LCD. The kit also includes SMD fig and DIP socket. Users only can test one package at one time. The SMA antenna is used for SMD package module DRF4431F27. When testing DIP package of modules, users need to solder antenna on module board to achieve the best performance.





1. LCD



Icon	Function
	Signal strength indication
FREQ	Center frequency
PWR	Output power level; 0~7
TX	Number of data packages sent; 0000~FFFF
RX	Number of data packages received: 0000~FFFF
DR	RF FSK data rate; 1.2k
FD	Transmit frequency deviation; 30KHz
BW	Receive frequency bandwidth; 60KHz
Mode	Working mode: Standby, normal and test

2. BUTTON

- 1) **SET:** This button is used to start the setting of parameters.
- 2) **UP:** After pressing SET button, users can use this button to increase the value of selected parameters.
- 3) **DOWN:** After pressing SET button, users can use this button to decrease the value of selected parameters.

3. SOCKET & JUMPER

Part Name	Part Type	Function
S1	Switch	Power switch
F1	Fig	Fig for fixing DRF4431F27 module
P1	Pin header	For testing purpose
P2	Pin socket	For testing DIP package of RF front-end module
P3	Pin header	For power supply
P4	Socket	Power socket
J1	Jumper	Interface selection: TTL, RS232 or RS485.
J2	Jumper	For testing current purpose

4. POWPER SUPPLY

The kit works at 3.6~6.0V and the recommended working voltage is 5V. There are three groups of power inputs: P4 (DC socket), P3 (Pin header) and Battery socket on the back of board. Users only can choose one of them in use.

5. FUNCTION DISCRPTION

When the kit is powered on, the LCD on board will show the default parameters for the first use or the settings of last operation. Users can press the SET button to start the setting of parameters and the character will be twinkled. Users can use UP or DOWN button to revise the parameters. After parameter is changed, users then press SET to change the next parameter. Please note that the interval between two operations should be less than 5s or else the kit regards the operation is finished and will reserve present changes. DORJI also provide the reference codes for register settings and basic communication for RF front-end modules. For more details, please contact DORJI by email listed as below.

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