一、Product introduction

1 In the good environmental condition soft label detection range can be 1.4 meters.

2 It is easy to install and adjustment.VR4 is the button to adjust the sensitivity. Without any special instrument, only allowed VR4 to adjust the sensitivity. Others need to adjust together with special instrument.

二、Product use :

1 main technical indicates: TX current 400mA,RT current 350mA

2 Factory Settings (attached)

3 8.2MHz and 10MHz double frequency conversion method

   Just need to change the state setting of 8.2M/10M dial the code switch and 8.2M/10M jump line at TX board. Then can choose the working frequency freely and no need to adjustment of RX board (the details please take reference to the TX board specification table 2 and 17)

a) 8.2 MHz working frequency: TX board 8.2 M / 10M dial the code switch and 8.2 M / 10M jump line are placed 8.2MHz bits, namely 8.2 factory state.

b)10MHz working frequency: TX board 8.2 M / 10M dial the code switch and 8.2 M / 10M jump line are placed 10MHz bits.
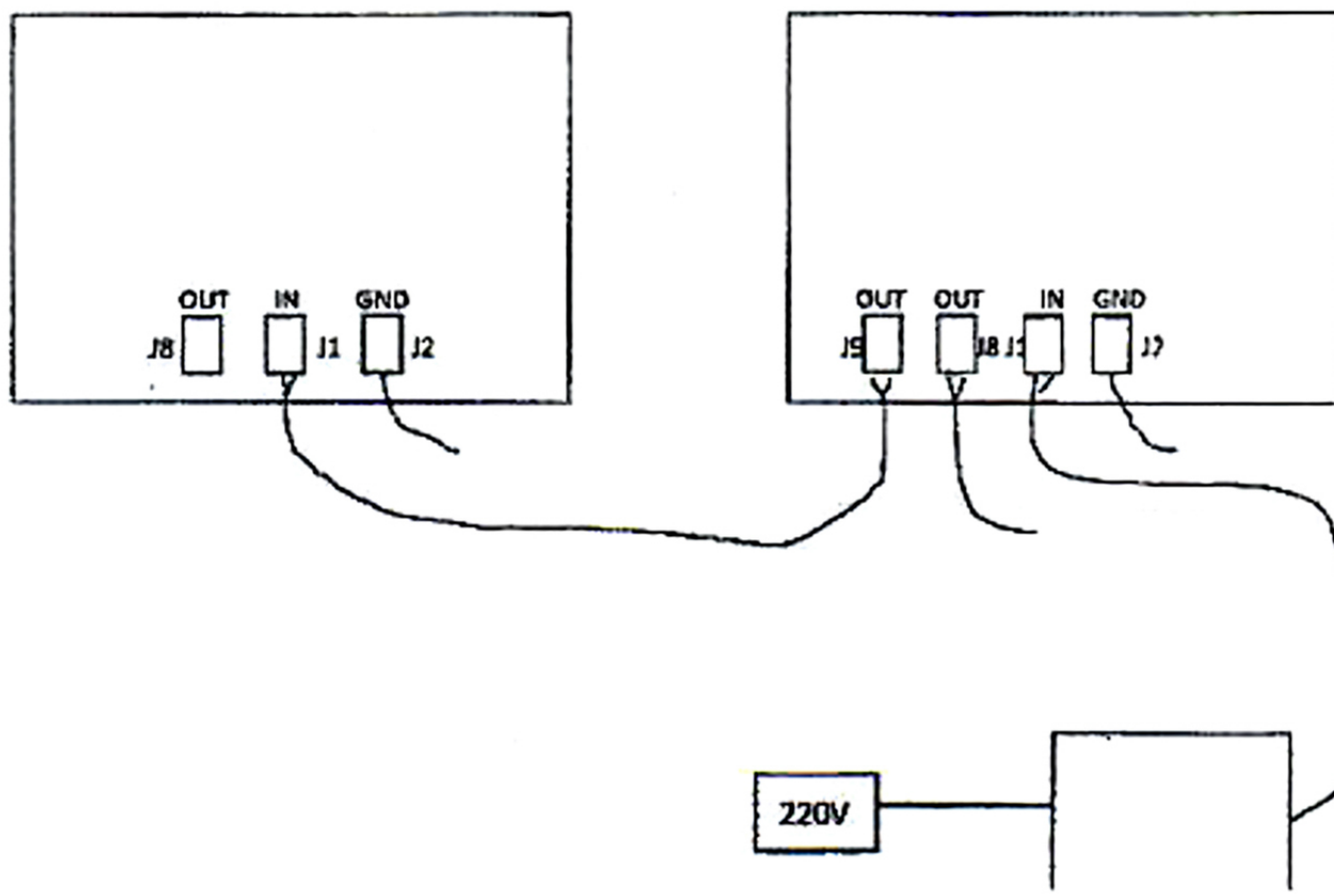
4 There are 2 ways to connect the power supply, the details please take reference the appended drawings 1.

a)The power supply can connect with TX first, then connect with 1 piece or two pieces RX board.

b)The power supply can connect with RX first, then connect with 1 piece TX board, or connect with another RX board again.

5 The indicator light on main board can show the situation of frequency interference

   Through indicator light DS1,DS2,DS3 and LED3,LED4 on the RX board can know the Installation environment state.(The details please take reference to attached 2)

Attached 1 :
Power supply connection . there are two ways to connect :

A)The power supply can connect with TX first, then connect with 1 piece or two pieces RX board.
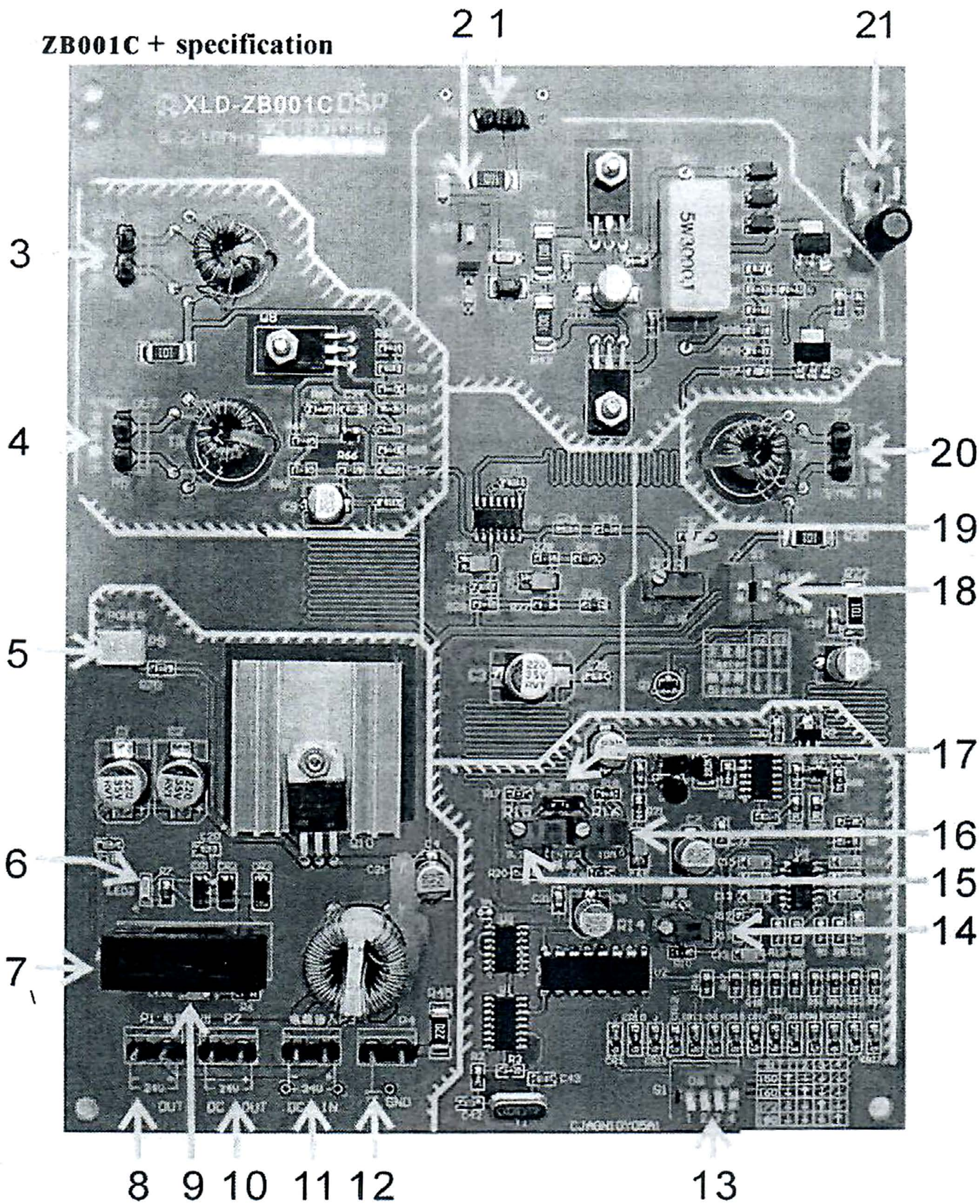
220V
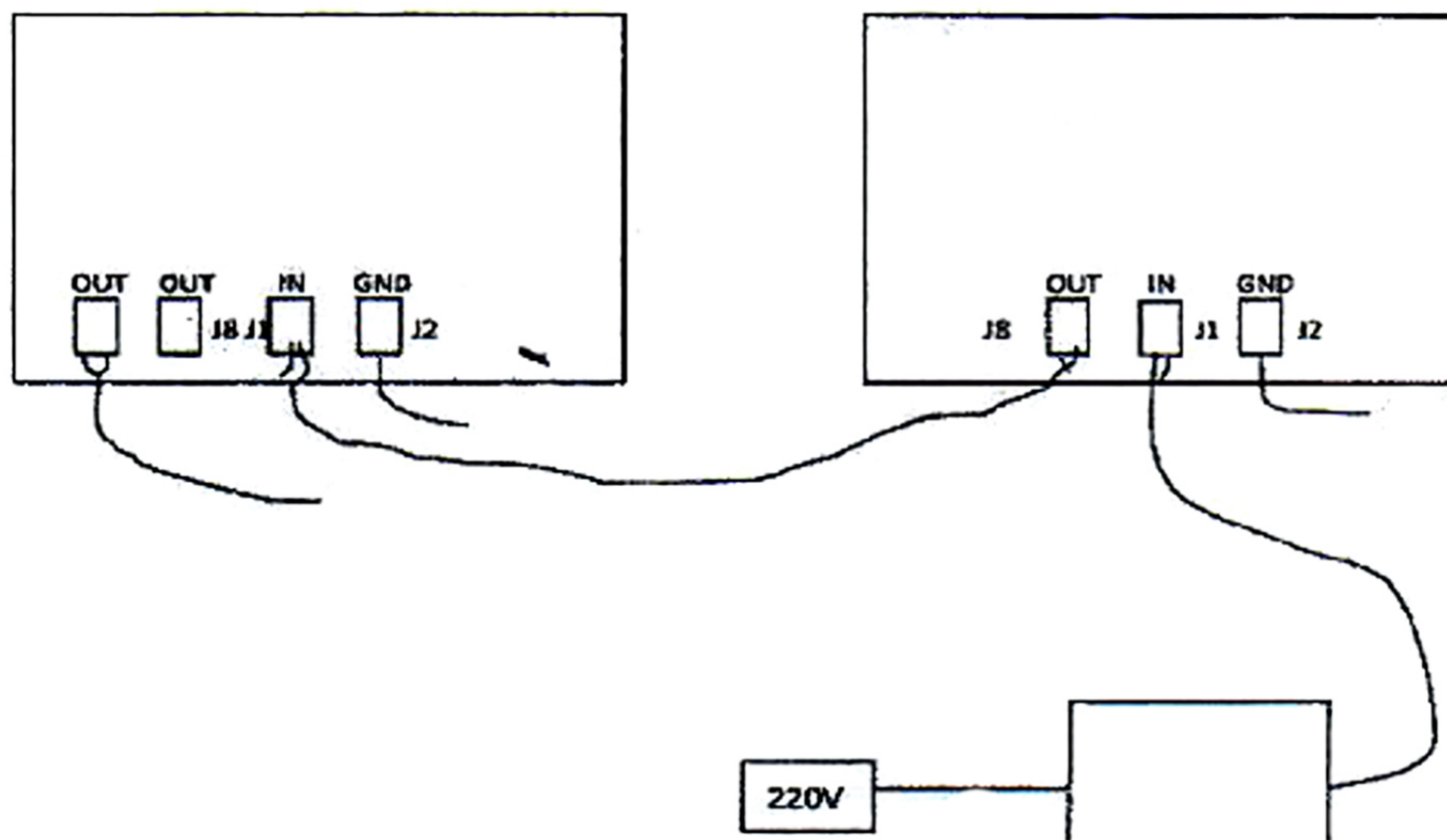
Attached 2

B) The power supply can connect with RX first, then connect with 1 piece TX board, or connect with another RX board again.

220V

No.	Button No.	Specification
1	P8	Transmit Antenna interface, can connect with two cable of transmit antenna
2	8.2M/10M dial the code switch	**1 When the center frequency is 8.2 MHz** Switch "on" ,the host frequency is 8.2MHz, work with normal metal antenna(factory state) Switch "off":the host frequency is 8.2MHz,work with Crystal glass antenna **2 When the center frequency is 10MHz** No matter work with metal antenna or crystal glass antenna, both switch "off".
3	P6	Sync signal output terminal 1 : SYNC OUT
4	P5	Sync signal output terminal 2 : SYNC OUT
5	P9	TX board Power Indicator: Power LED
6	LED2	The power input polarity reverse connect indicator: if the power input polarity is reverse connect, the red LED2 will light up, main board has been designed to reverse connect protection, power reverse connect does not cause any damage to the main board
7	F1	TX board Fuse position T0.5A/250V
8	P1	Dc power output 1 terminal DC OUT+24V
9	LED1	insurance tube state indicator burning broken or damaged, poorly connect, the green LED beside the insurance tube will light up.
10	P2	Dc power output 2 terminal DC OUT+24V
11	P3	DC power input terminal IN + 24V DC
12	P4	TX board Ground terminal GND

Scan frequency Setting

S1	1	2	3	4
150	ON	OFF	OFF	OFF
160	OFF	ON	OFF	OFF
170	OFF	OFF	ON	OFF
180	OFF	OFF	OFF	ON

(No. 13, Button No. S1)

TX

ZB001C + specification

No.	Button No.	Functional Specification
14	RI4.	Scan frequency's depth, width and band width scanning, General control in 700-1200KHz, default 900KHz. It is best to use EAS test system detector when adjust the scan frequency.
15	R15	8.2 MHz center frequency adjust, when it is 8.2MHz on the position of 8.2 M / 10M jump line, the rotating potentiometer MHz RI5 is available. without advanced EAS TESTER system detector prohibit to adjust
16	R16	10 MHz center frequency adjust, when it is 8.2MHz on the position of 8.2 M / 10M jump line, the rotating potentiometer MHz RI5 is available. without advanced EAS TESTER system detector prohibit to adjust
17	8.2 M / 10M jump line	Center frequency 8.2 MHz, 10MHz for choice (Factory state is 8.2MHz)
18	S2 S3	Master and Assistant TX settings: Master TX: S2, S3 are placed Master (above) position Assistant: S2, S3 are placed Slave (below) position.
19	R23	TX Antenna power adjustment
20	P7	Synchronized signal input terminal SYNC IN
21	RFID	RFID electronic serial number induction position

RX
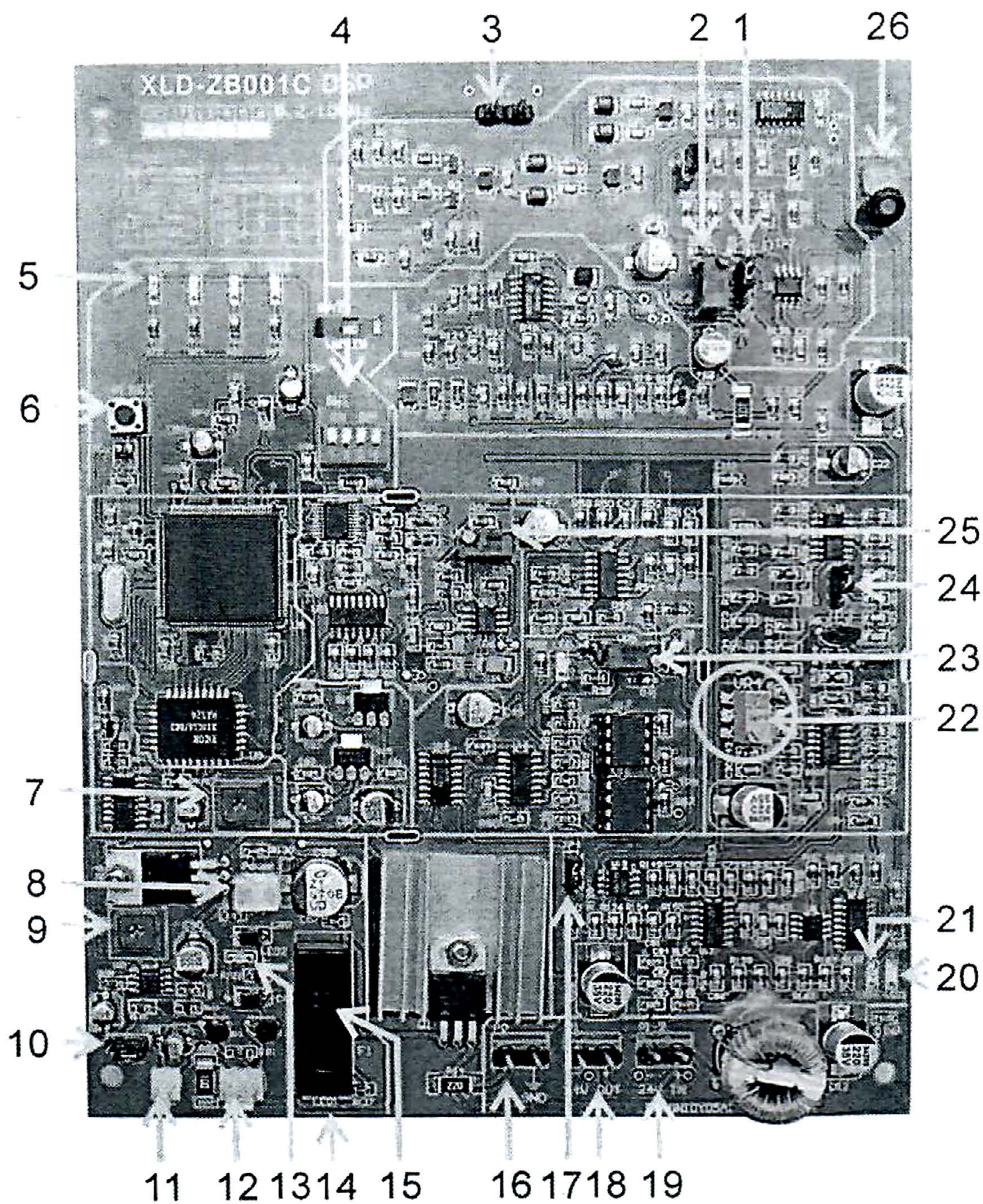
ZB001C + specification

No.	Button No.	specification
1	JP1	JP1 in 1-2 position: automatic gain control, automatic adjustment from various door, JP1 in 2-3 position: manual gain control. Suit
2	VR2	When JP1 in 2-3 station, adjust VR2
3	P4	Receiving antenna terminals

Row 4 — SW1 dial the code switch:

SWI-1：Hard tags /software label identify function，(on) off：Identification tag, soft hard label identify not sensitive。

SWI-2：Modulation frequency	on	180	on	170	off	160	off	150
SWI-3：Modulation frequency	on	Hz	off	HZ	on	Hz	off	HZ

SW1-4：Sports/static recognition function：(on)

off：Only identification tag, suitable for the environmental

Row 5:

No.	Button No.	specification
	ALARM	Alarm indicator
5	DS1	Status light 1：The lamp lights flashing or drown means environment very good；On environment better. Standard: the door in the state of 1.4 meters away from the situation, NSI make long time light
	DS2	Condition 2: lamp lights flashing bad environments
	DS3	Light 3 flash state that doesn't work
6	RESET	Every operation SWI code need to click RESET
7	VR1	Alarm sound length adjustment
8	Power	RX board power supply indicator light POWER LED
9	VR3	Alarm sound volume adjustment: clockwise louder, Counterclockwise turn down
10	JP2	JP2 in 2-3 position: alarm light prolonged 3 seconds. JP2 in 1-2 position: alarm sound synchronization
11	P3	Buzzer interface
12	P2	Alarm light interface
13	LED2	The power input polarity reverse connect indicator: if the power input by the polarity, LED2 red light, main board has design for the protection, the power supply will not cause any damage to the main board and adverse situations
14	LED1	Insurance: insurance tube state indicator, broken or damaged contact will light up of the green LED
15	F1	Receiving plate fuse position T1A/250V

16	P0	GND RX board Ground terminal GND
17	JP4	JP4 response speed in 2-3 position (left) : alarm response speed, strong anti-jamming medium JP4 at 1-2 position (right) : alarm fast response, anti-jamming slightly weaker
18	P1	power output DC OUT +24v
19	P1-2	power input DC IN +24v
20 21	LED3, LED4	Active disturbance indicator: State 1. When outside interference or small disturbance situations (not including tag near system and put in the detection range of antenna without interference or because of other 5 meters from within 20 meters of other than with frequency VRF antenna of interference), and the receiving herboard LED3 and LED4 are not twinkle 2 when there is certain or stronger active disturbance (except tag near the antenna and relevant signal generated antenna without interference source, here refers to the site conditions and some other radio frequency devices, such as high-strength equipment interference light, etc.), LED3, LED4 light will shine, this site is for judge of area interference, depending on the red LED4 flashing a rough estimate of the brightness of interference. 3 when the state of very strong interference (e.g. spot nearby have a distance antenna used in sanya big switch power supply, switching power supply when the battery will have a high strength interference may result in this kind of situation), red LED4 bright, green LED3 do not twinkle, judgment for area interference very serious, receiving circuit will completely locking plate anti-interference, even a tag antenna detection area also cannot
22	VR4	Sensitivity : Clockwise louder Counterclockwise down
23	VR5	Prohibit adjustment
24	JP3	JP3 in 1—2 : cancel Strong interference cancellation function JP3 in 2—3: Start strong interference suppression function
25	VR6	Prohibit adjustment
26	RFID	RFID electronic serial number induction position