Table Top Station Horizon

User Guide

AXEM Technology
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Siret : 45071140300045 - APE : 4652Z - RCS : CRETEIL 450711403 - N° TVA intracom : FR05450711403 - Capital : 500 000,00 €

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1 Revision

Description	Date	Version	Author	Check
First release	2020/12/21	1.0	CLO	YDA
Update/Corrections	2021/01/04	1.1	CLO	ACA
Update/Corrections	2021/01/05	1.2	CLO	

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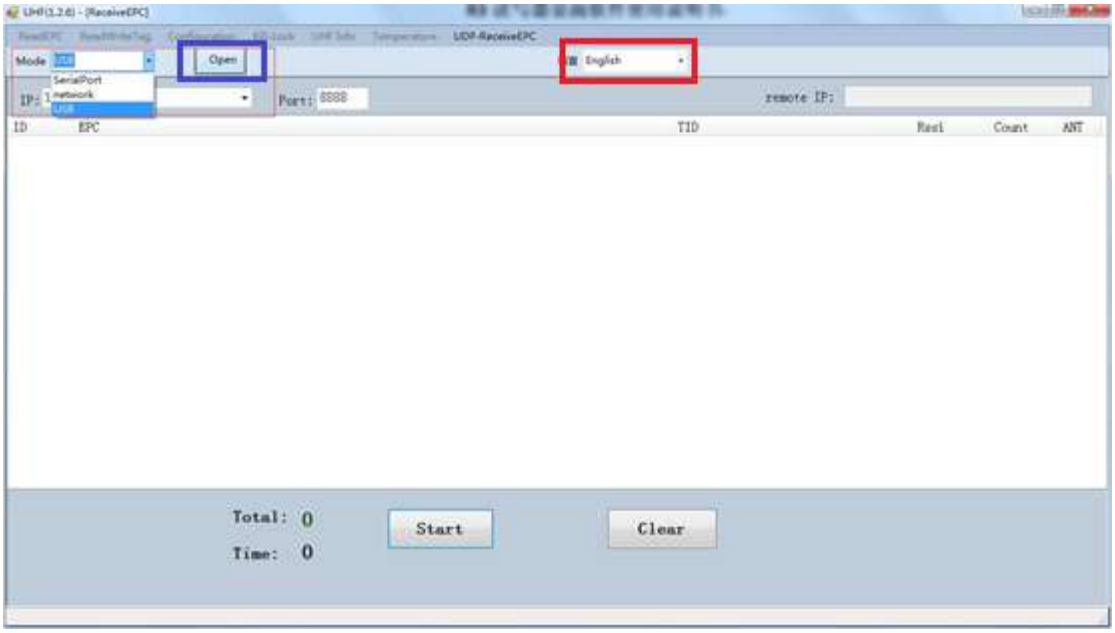
2 Connection

Open software in your PC, select USB in Mode, English language in red square below, connect R3 through USB line, after driver has finished installation, click “Open” in blue square below, as Pic.2-1.



Pic 2-1

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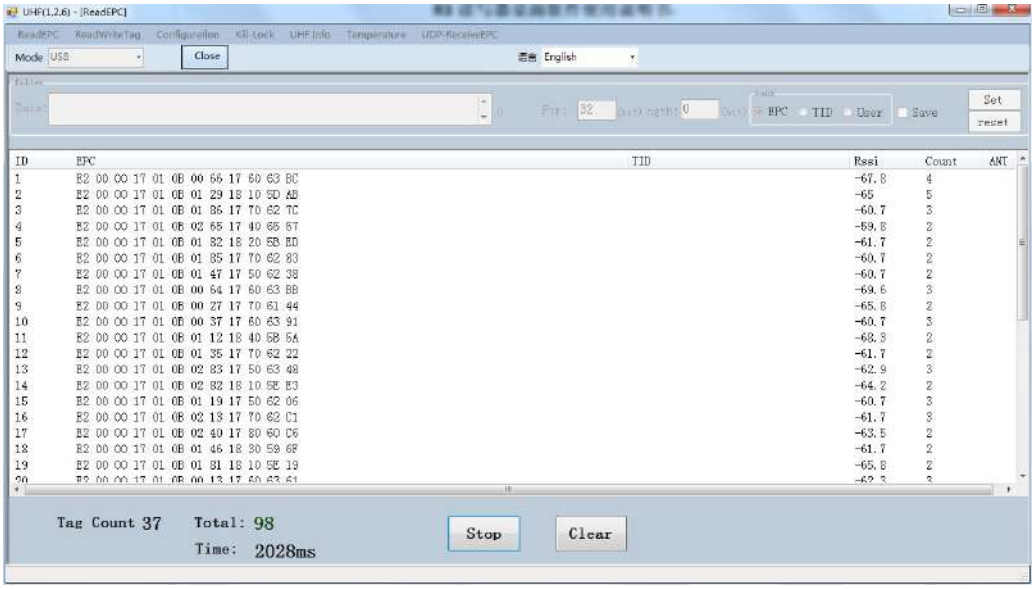
3 Read EPC

Select ReadEPC on top of navigation bar.

3.1. Start Reading EPC

Click “Start” to read EPC, EPC, TID, Rssi and Count data will show up in blank area in Pic.3-1. Click “Stop” to stop EPC reading.



Pic 3-1

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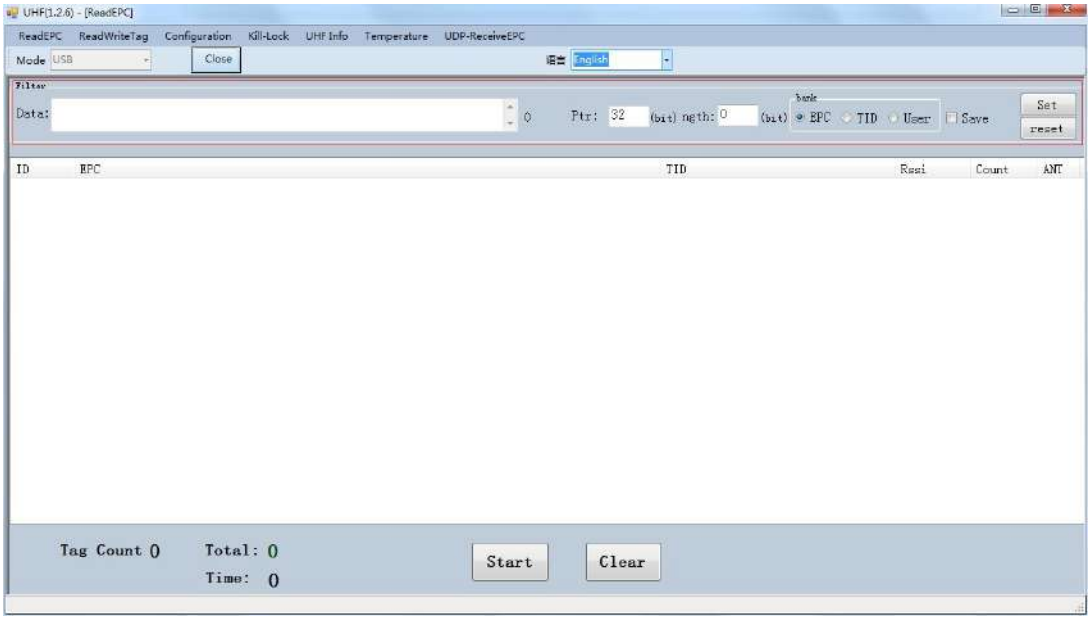
3.2. Filter

Filter function can be selected to filter tag that has been read, including start address (Ptr) in bits, length in bits. EPC, TID, USER areas can be selected. Click “Set” to save current parameters, click “Reset” to reset module to default. As Pic.3-2.



Pic 3-2

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4 Read and Write Tag

4.1 Read Tag

RESERVED, EPC, TID and USER areas can be selected to read data in each area and start address(Ptr) and data length(Len) can be adjusted. Default access password is 00000000, click “Read” to read data as Pic.4-1. A Read Success message appears.

4.2 Write Tags

There are four block areas for each tag (RESERVED, EPC, TID and USER), user could setup start address(Ptr) and data length(Len), input default access password 00000000 and hex value, then click “Write” to write data as Pic.4-1. A Write Success message appears.

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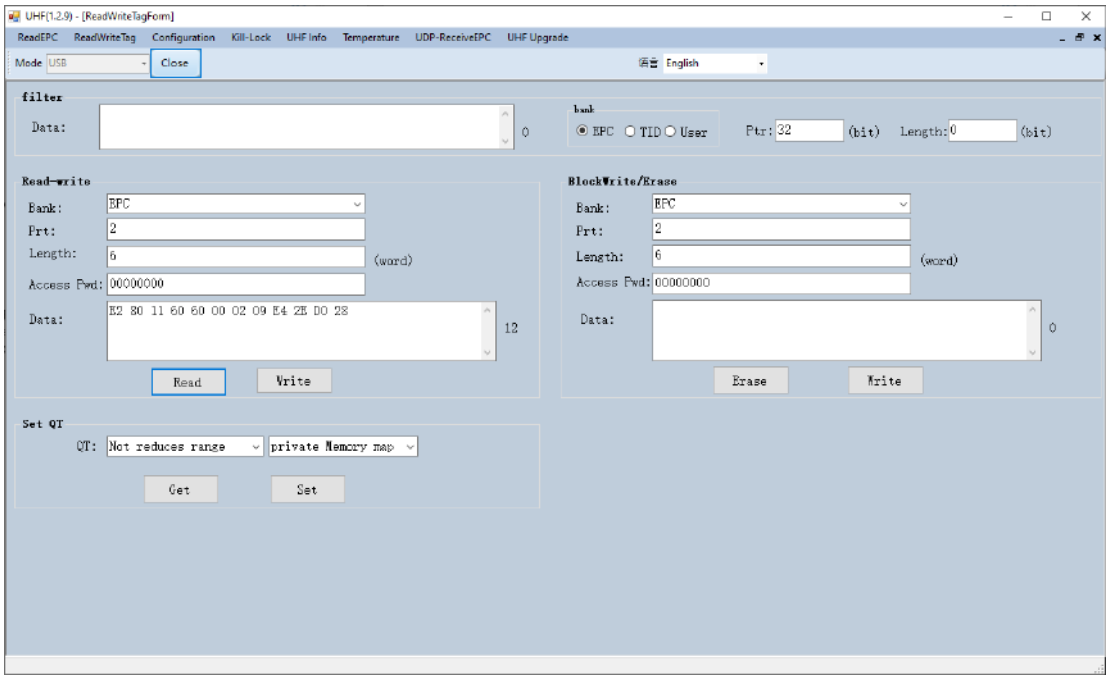
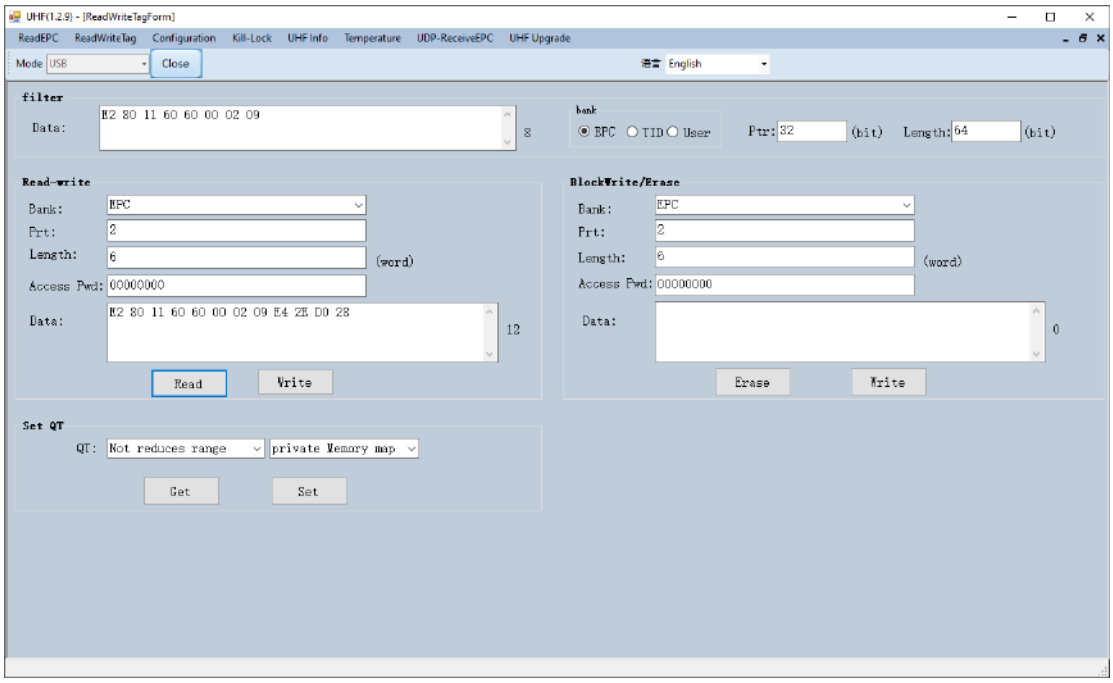
4.3 Filter

User could setup parameters in “Filter” to filter start address, data length and data of tags in EPC, TID and USER areas as Pic.4-2.



Pic.4-1



Pic.4-2

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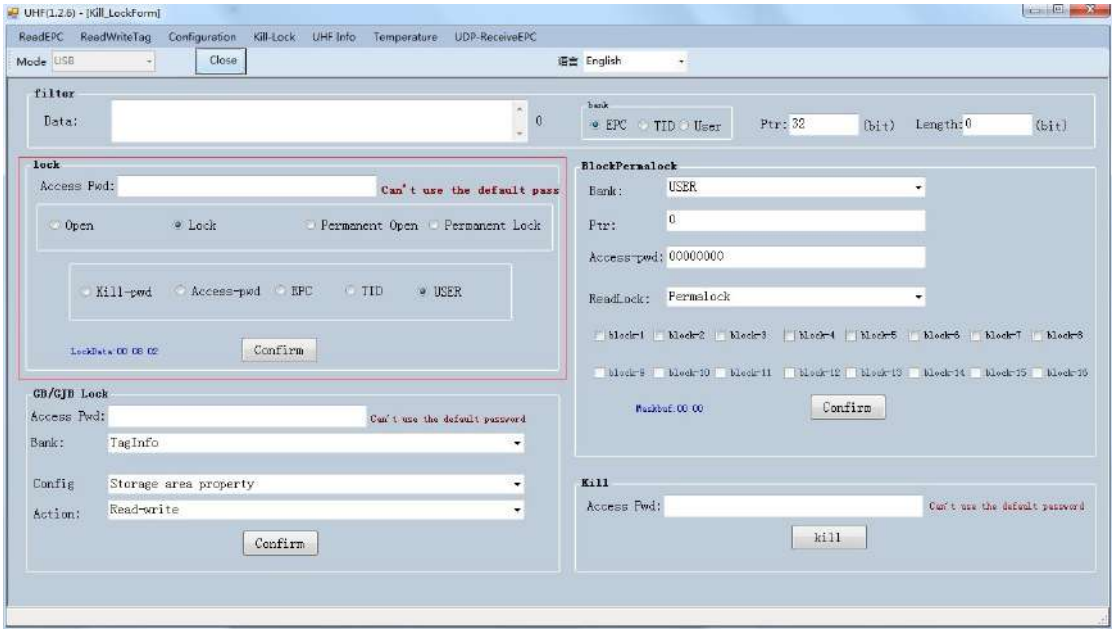
5. Lock and Kill Tag

5.1 Lock Tag

Enter access password of tag and select options that need to be locked such as “Open”, “Lock”, “Permanent Open” and “Permanent Lock”, then select areas, click “Confirm” to lock tag as Pic.5-1.



Pic.5-1

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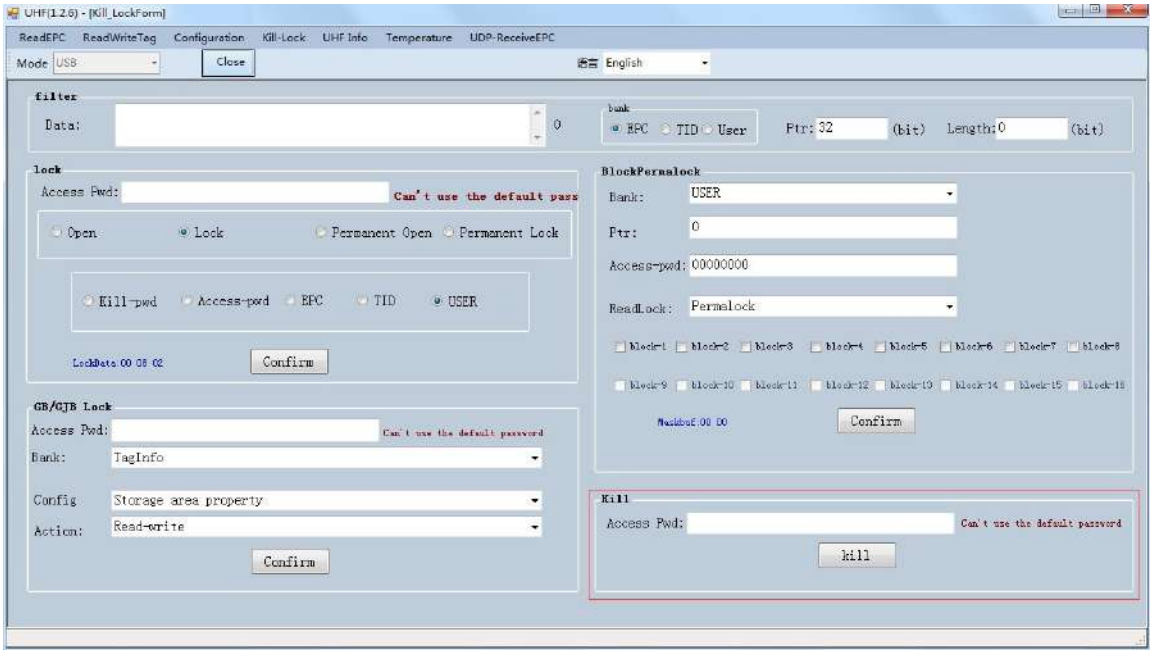
5.2 Kill Tag

Enter access password of tag and click “Kill” button to destroy tag as Pic.5-2.



Pic.5-2

5.3 Filter

User could setup parameters to filter start address, data length and data for tags which locked and killed. Select EPC, TID and USER areas and setup length to 0 then clean data to disable filter.

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6. Setup

Click on "Configuration" at the top of the navigation bar to enter the configuration. Select "Save" to save the configuration in the module for the next device restart. Then, click on “Set” button. The "Set" button without "Save" allows you to set the configuration once as Pic.6-1.

6.1 Output Power

Output power can be adjusted from 5-30dBm, click “Set” to confirm power point; click “Get” to get current power of module. Select “Save” to save output power in module as Pic.6-1.

Pic.6-1

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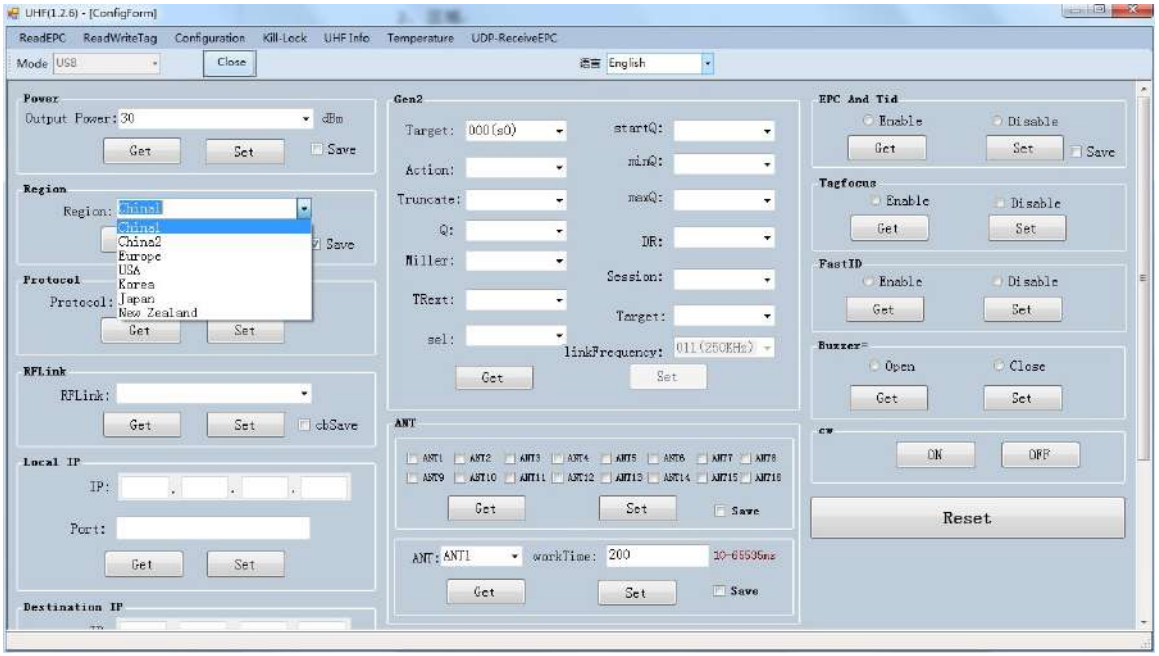
6.2 Region

User could select UHF frequency band of multiple countries, click “Set” to confirm to setup frequency band, select “Save” to save current settings in module as Pic.6-2.



Pic.6-2

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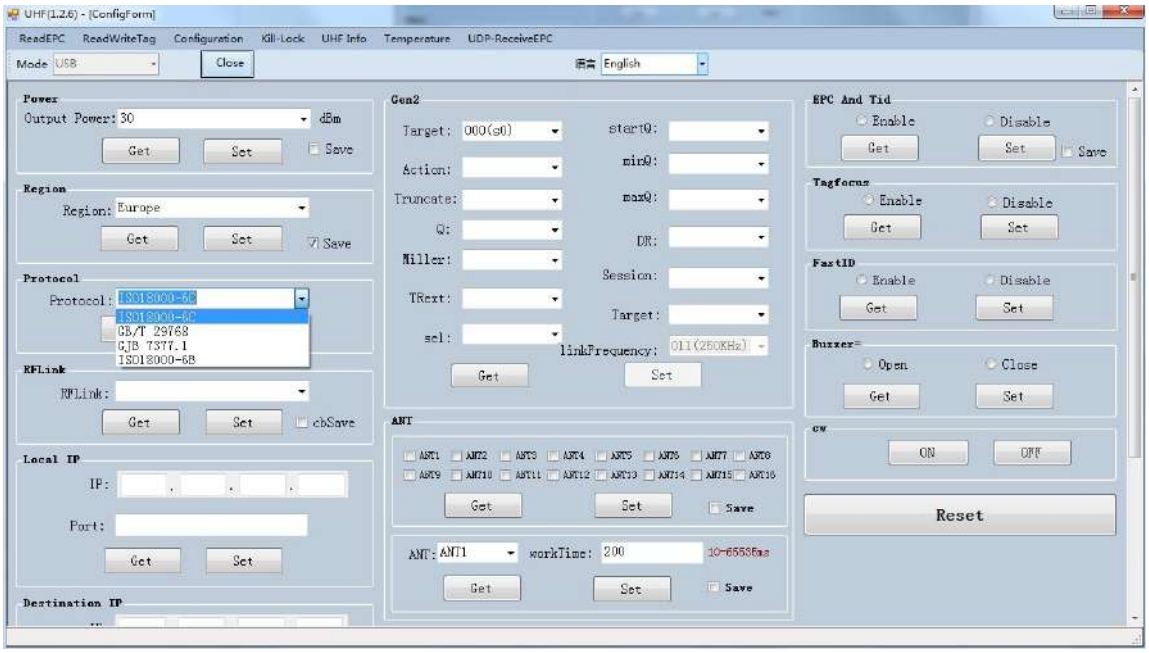
6.3 Protocol

User could select 4 protocols, click “Set” to setup protocol and click “Get” to check current protocol of module as Pic.6-3.



Pic.6-3

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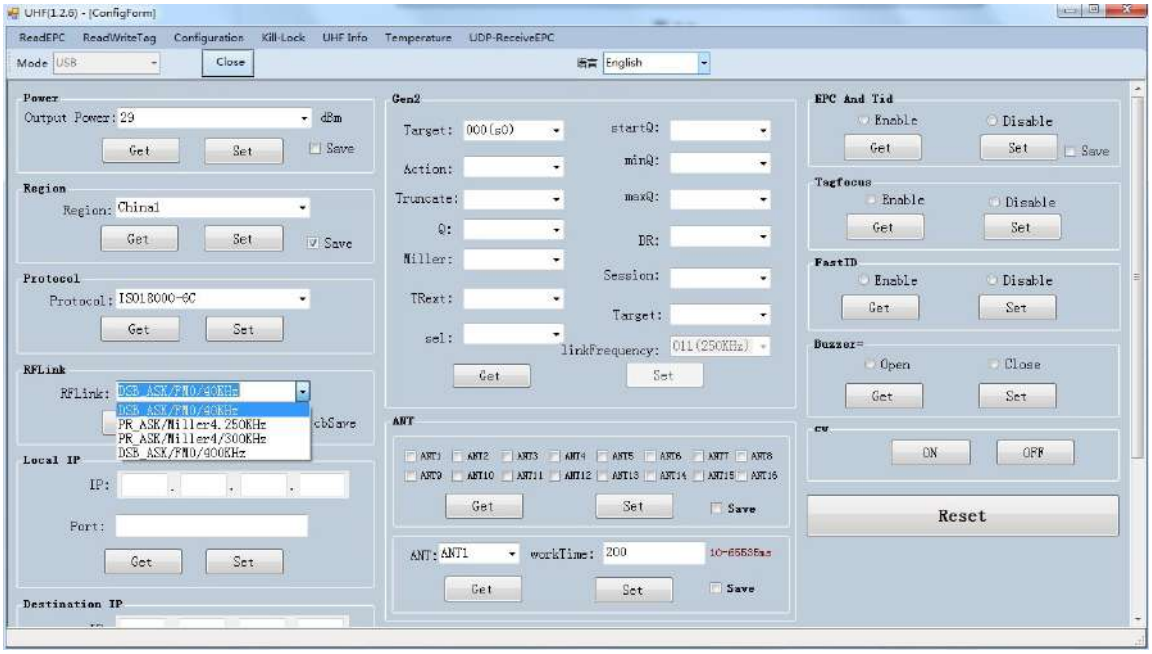
6.4 RFLink

User could select 4 RF links, click “Set” to confirm setup RF link, click “Get” to check current RF link setup.



Pic.6-4

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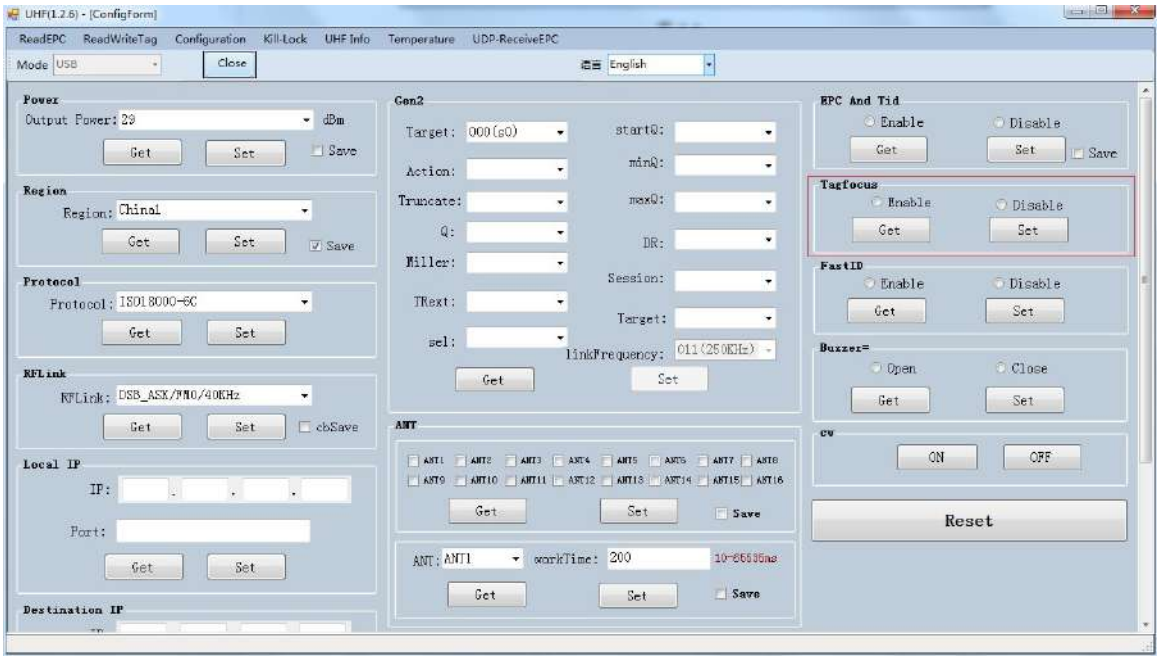
6.5 Tag Focus

Tag Focus mode. Click “Get” to check current status as Pic.6-5.



Pic.6-5

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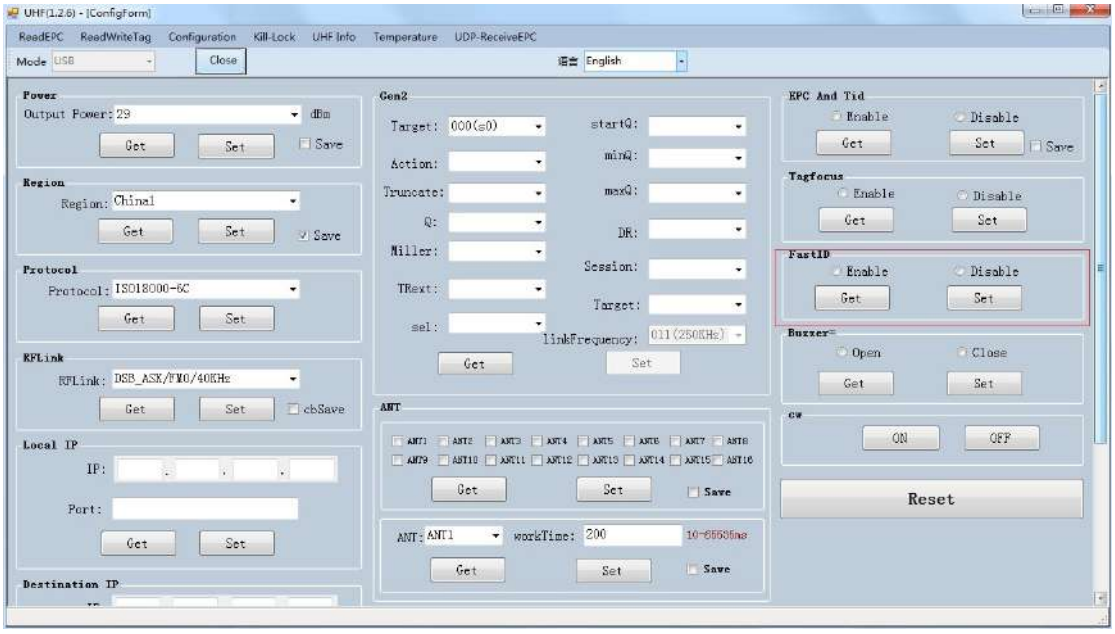
6.6 Fast ID

FastID mode. Click “Get” to check current status as Pic.6-6. Then, click “Set” to set a value.



Pic.6-6

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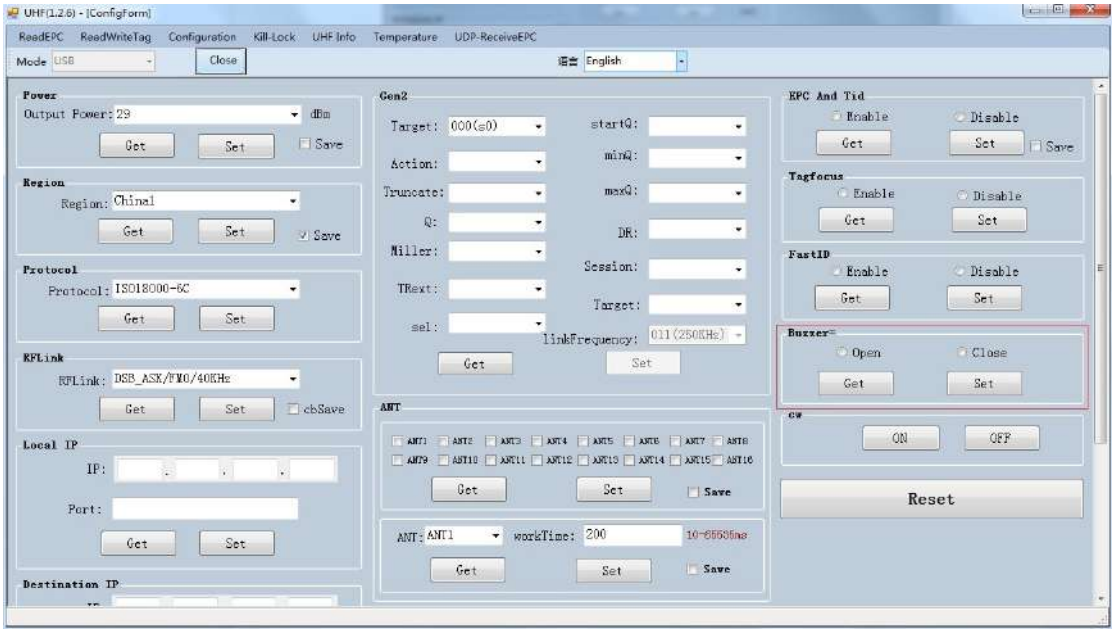
6.7 Buzzer

Select “Enable” or “Disable” and click “Set” to enable or disable buzzer. Click “Get” to check current status as Pic.6-7. Then, click “Set” to set a value.



Pic.6-7

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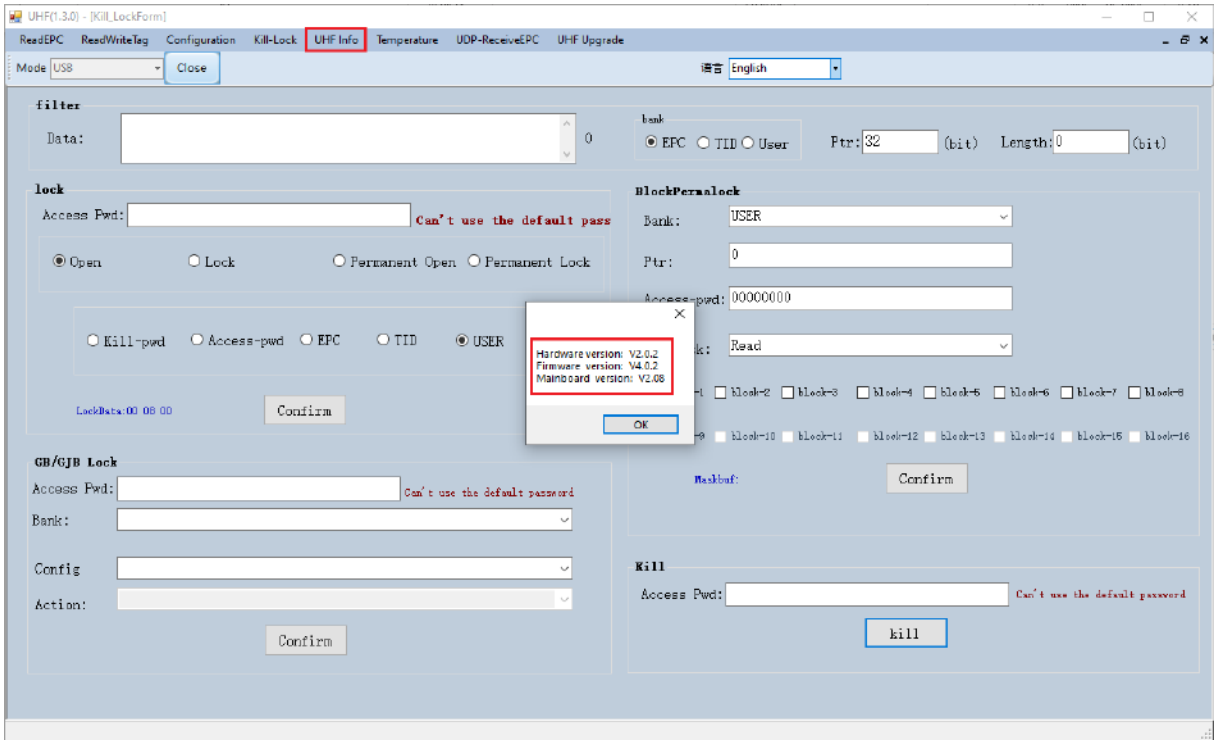
7. UHF Info

Click “UHF Info” on top of navigation bar to check hardware version and firmware version as Pic.7-1.



Pic.7-1

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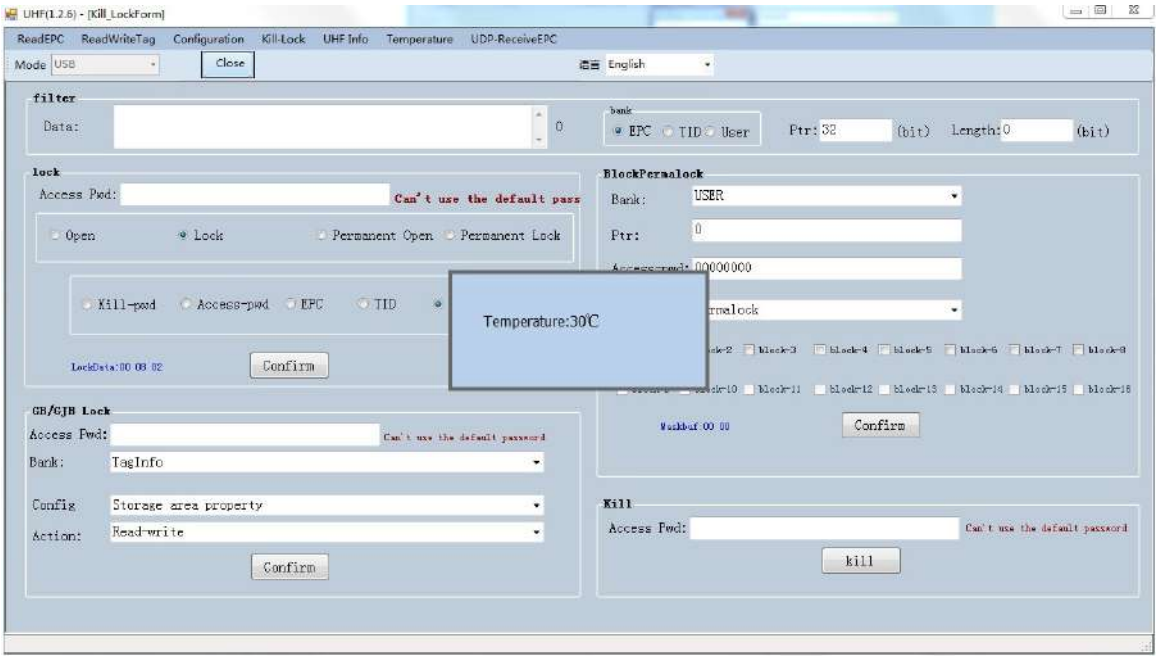
8. Temperature

Click “Temperature” on top of navigation bar to check current temperature value of module as Pic.8-1.



Pic.8-1

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