



# SIM82XX\_SIM83XX Series \_LBS\_Application Note

5G Module

## **SIMCom Wireless Solutions Limited**

SIMCom Headquarters Building, Building 3, No. 289  
Linhong Road, Changning District, Shanghai P.R. China

Tel: 86-21-31575100  
support@simcom.com  
www.simcom.com

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### **SIMCom Wireless Solutions Limited**

SIMCom Headquarters Building, Building 3, No. 289 Linhong Road, Changning District, Shanghai P.R. China

Tel: +86 21 31575100

Email: [simcom@simcom.com](mailto:simcom@simcom.com)

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# About Document

## Version History

Version	Date	Owner	What is new
V1.00	2020.9.10	Caowangbao	First release
V1.01	2021.11.25	Yunchun.He	Update the format

## Scope

This document applies to the SIMCom SIM820X series, SIM821X series, SIM826X series and SIM83XX series.

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# 1 Introduction

## 1.1 Purpose of the document

This document gives the usage of LBS. Users can get useful information about the LBS functions quickly through this document.

The Cell Location functions are provided in AT command format, and they are designed for customers to design their GPS applications easily. User can access LBS AT commands through UART/ USB interface which communicates with SIM82XX/SIM83XX series module.

## 1.2 Related documents

[1] SIM82XX\_SIM83XX Series\_AT Command Manual

## 1.3 Conventions and abbreviations

## 2 LBS Configuration

The purpose of this section is to help get you set and query the LBS configuration.

### 2.1 Set/Query the server's address

We can use this AT to set and query the server's address.

Query server's address:

AT+CLBSCFG=0,3,

Set server's address:

AT+CLBSCFG=1,3,"lbs-simcom.com:3002" (This step is not necessary, if no using, it could be omitted.)

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## 3 AT Commands for LBS

Command	Description
AT+CLBS	Base station location
AT+CLBSCFG	Base station location Configure

For detail information, please refer to "SIM82XX\_SIM83XX Series\_AT Command Manual".

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## 4 LBS Examples

### 4.1 Relation AT Configure

#### 4.1.1 Set APN

```
//Example of APN Set  
AT+CGDCONT=1,"IP","apn"  
OK
```

Note: If not private network, steps above could be omitted.

#### 4.1.2 Start Network

```
//Example of network start  
AT+NETACT=1  
OK
```

Note: This step is not necessary. Before use LBS, please execute AT+NETACT? to check urc. If return +NETACT: 0, please execute AT+NETACT=1 firstly; If return +NETACT: 1, execute LBS commands directly.

### 4.2 Execute LBS

#### 4.2.1 LBS Configure

```
//Configure LBS Server Address  
AT+CLBSCFG=1,3,"lbs-simcom.com:3002"  
OK
```



Note: This step is not necessary, if no using, it could be omitted.

#### 4.2.2 Get LBS Location

```
//Example of LBS GET.
```

```
AT+CLBS=1
```

```
OK
```

```
+CLBS: 0,31.228525,121.380295,500
```

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