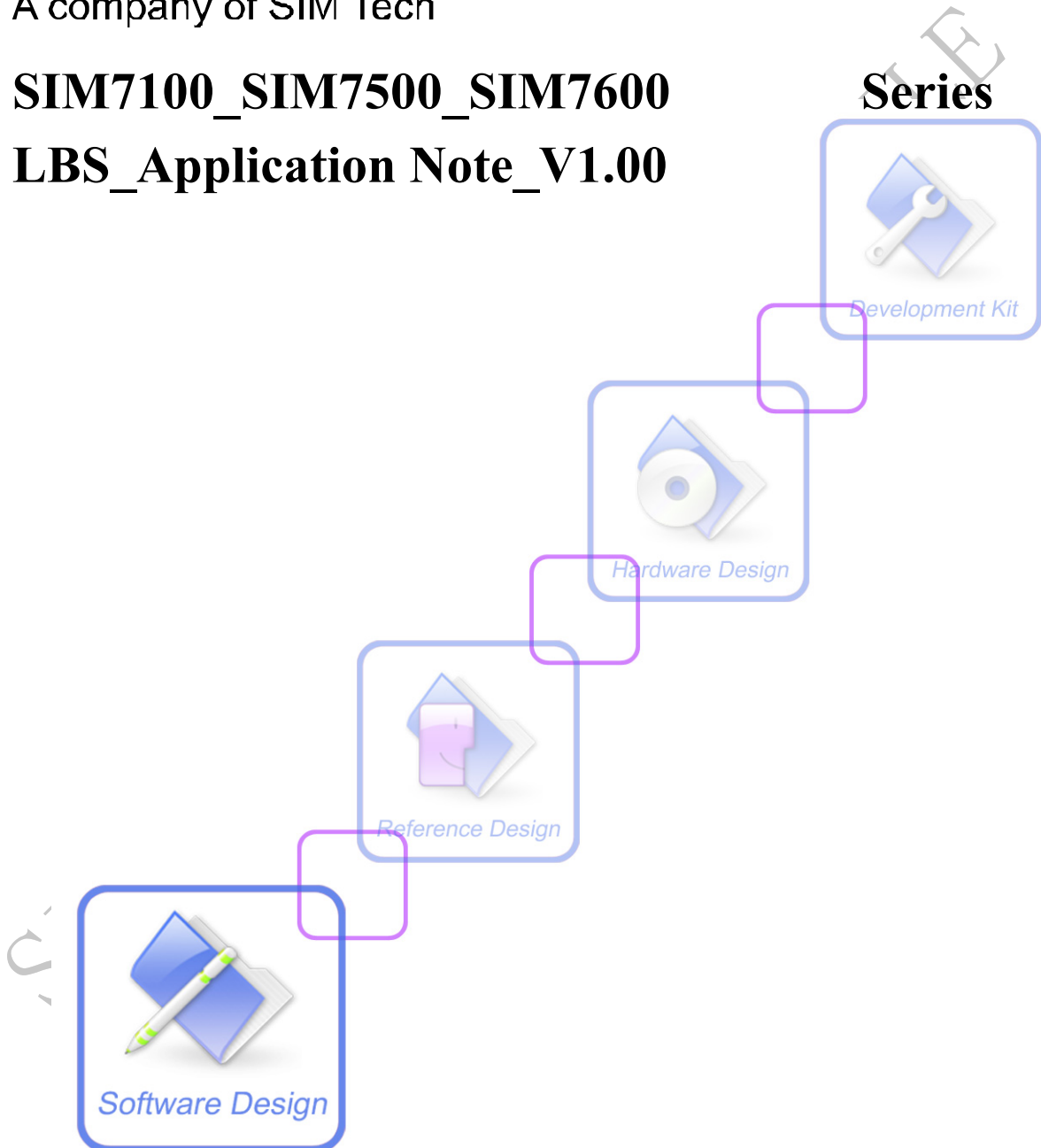




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SIM7100_SIM7500_SIM7600 LBS_Application Note_V1.00

Series



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Version History

Version	Chapter	Comments
V1.00	New Version	

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LBS Application Note

1. Introduction

1.1 Overview

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 SIM7100/SIM7500/SIM7600 module.

1.2 References

The present document is based on the following documents:

[1] SIM7500_SIM7600 Series_AT Command Manual_V.xx.pdf

2. LBS Configuration

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

2.1 Set/Query customer ID

This is used to set and query the customer ID.

- Query the customer ID:

AT+CLBSCFG=0,1

- Set the customer ID:

AT+CLBSCFG=1,1,"test"

2.2 Query the times have used positioning command

We can use this AT to query the times have used positioning command (This command take effective when Server's address is not free).

- Query the times have used positioning command:

AT+CLBSCFG=0,2

2.3 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"

3. Execute LBS

3.1 Set APN

AT+CGDCONT=1,"IP","apn"

AT+CSOCKSETPN=1

Note: The blue content is defined by user.

3.2 Start network

AT+CNETSTART

3.3 Query network state

AT+CNETSTART?

3.4 Query IP address

AT+CNETIPADDR?

3.5 Stop network

AT+CNETSTOP

4. Execute LBS

AT+CLBS=1

5. Example

Grammar	Description
AT+CGDCONT=1,"IP","ctnet" OK	Set the profile 1
AT+CSOCKSETPN=1 OK	Set active PDP context's profile number to 1
AT+CNETSTART +CNETSTART: 1 OK	Open network
AT+CNETSTART? +CNETSTART: 2 OK	Query the network start
AT+CNETIPADDR? +CNETIPADDR: 10.7.169.214 OK	Query the IP address
AT+CLBS=1 OK +CLBS: 0,31.219912,121.359444,800	Execute LBS
AT+CNETSTOP +CSIMNETSTOP: 0 OK	Close network

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