



SIM7070_SIM7080_SIM7090 Series_CTBURST _Application Note

LPWA Module

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Document Title:	SIM7070_SIM7080_SIM7090 Series_CTBURST_Application Note
Version:	1.02
Date:	2020.7.8
Status:	Released

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About Document

Version History

Version	Date	Owner	What is new
V1.00	2019.11.26	Yingjie.Li	First Release
V1.01	2020.2.26	Wenjie.Lai	Added product types
V1.02	2020.7.8	Wenjie.Lai	All

Scope

This document applies to the following products

Name	Type	Size(mm)	Comments
SIM7080G	CAT-M/NB	17.6*15.7*2.3	N/A
SIM7070G/SIM7070E	CAT-M/NB/GPRS	24*24*2.4	N/A
SIM7070G-NG	NB/GPRS	24*24*2.4	N/A
SIM7090G	CAT-M/NB	14.8*12.8*2.0	N/A

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1 Introduction

1.1 Purpose of the document

Based on module AT command manual, this document will introduce CTBURST application process.

Developers could understand and develop application quickly and efficiently based on this document.

1.2 Related documents

[1] SIM7070_SIM7080_SIM7090 Series_AT Command Manual

1.3 Conventions and abbreviations

In this document, the GSM engines are referred to as following term:

- ME (Mobile Equipment);
- MS (Mobile Station);
- TA (Terminal Adapter);
- DCE (Data Communication Equipment) or facsimile DCE (FAX modem, FAX board);

In application, controlling device controls the GSM engine by sending AT Command via its serial interface.

The controlling device at the other end of the serial line is referred to as following term:

- TE (Terminal Equipment);
- DTE (Data Terminal Equipment) or plainly "the application" which is running on an embedded system;

2 CTBURST Introduction

CTBURST command is used to start or stop continuous burst transmitting for production verification test at manufacturer.

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3 AT Commands for CTBURST

Command	Description
AT+CTBURST	The RF TX Burst Test

For detail information, please refer to “SIM7070_SIM7080_SIM7090 Series_AT Command Manual ”.

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4 CTBURST Examples

//CTBURST Examples

```
AT+CFUN=5 //Enter FTM(factory test mode) mode
OK
AT+CREBOOT //Reboot module after AT+CFUN=5.
OK
AT+CTBURST=1,1,62,3300,1 //Start CTBURST with GSM band.
OK
AT+CTBURST=0 //Stop CTBURST
OK
AT+CTBURST=1,105,20400,2200 //Start CTBURST with LTE band.
OK
AT+CTBURST=0 //Stop CTBURST
OK
AT+CFUN=1 //Exit FTM mode
OK
```

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