

**GTI NB-IoT**

**Smart Smoke Detector**

**Certification Report**

The logo consists of the letters 'GTI' in a bold, white, sans-serif font, centered within a circular blue grid pattern that recedes into the distance, creating a tunnel effect. The background is a dark blue gradient with a grid pattern and a bright light source at the end of the tunnel.

**GTI**

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# GTI

<b>Version:</b>	V1.0.0
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<b>Source members</b>	China Mobile
<b>Support members</b>	
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# 1 Overview

The certification Report specifies a synthetic assessment for the communication capability of NB-IoT smart smoke detector. The assessment includes NB-IoT communication functions, OTA performance and battery life. The document is for industrial reference.

## 2 Product Information

GENERAL INFORMATION		
1	Product Manufacturer	
2	Product TYPE	NB-IoT Smart Smoke Detector
3	Product identifier (Model Name or Number)	
4	Hardware Version	
5	Software Version	
6	Primary Function Description (NB-IoT/eMTC/...)	NB-IoT
7	Embedded Module Manufacturer	
8	Embedded Module Model Name or Number	
9	Embedded Module Software Version	
10	Embedded Module Hardware Version	
11	Battery Capacity	
12	Certified Band	

## 3 Certification Result

The test results of DUT in protocol & RF conformance, network compatibility, TX/RX performance and power consumption demonstrate that the product is GTI certified.

### 3.1 NB-IoT Communication Functions

Refer to the certification report for XXX XXXX

### 3.2 OTA Performance

Table 3-1 RF Conformance Test Result

Measurement Items	Certification Criteria	Test Results
TRP	[17] dBm	
TRS*	[-102.2] dBm	
*: TRS without repetition		

### 3.3 Battery Life Performance

Measurement Items	Certification Criteria	Test Results
Battery Life	With 1500mAh Effective Battery Capacity and 6 Times/Day Status Reporting, the battery life is not less than One years	

### 4 Document Change Record

Date	Version	Change History
XXXX-XX-XX	1.0.0	Initial Version

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