

GTI NB-IoT Smart Smoke Detector Certification Report

The GTI logo is positioned at the bottom center of the page. It consists of the letters 'GTI' in a bold, white, sans-serif font. The logo is set against a dark blue background that features a complex, glowing grid pattern of concentric circles and intersecting lines, creating a sense of depth and technology. A bright light source is visible in the center of the grid, casting a glow across the entire lower half of the image.

GTI



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Support members	
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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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