

# FCC SAR Test Report

APPLICANT : ZTE CORPORATION  
EQUIPMENT : LTE/CDMA Multi-Mode Digital Mobile Phone  
BRAND NAME : ZTE  
MODEL NAME : N9137  
FCC ID : SRQ-N9137  
STANDARD : FCC 47 CFR Part 2 (2.1093)  
ANSI/IEEE C95.1-1992  
IEEE 1528-2013

We, Sporton International (Kunshan) Inc., would like to declare that the tested sample has been evaluated in accordance with the procedures and had been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International (Kunshan) Inc., the test report shall not be reproduced except in full.



Approved by: Mark Qu / Manager



**Sporton International (Kunshan) Inc.**  
No. 1098, Pengxi North Road, Kunshan Economic Development Zone,  
Jiangsu Province 215335, China



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## Revision History

| REPORT NO.  | VERSION | DESCRIPTION             | ISSUED DATE   |
|-------------|---------|-------------------------|---------------|
| FA760302-01 | Rev. 01 | Initial issue of report | Sep. 28, 2018 |
|             |         |                         |               |
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## 1. Statement of Compliance

The maximum results of Specific Absorption Rate (SAR) found during testing for **ZTE CORPORATION, LTE/CDMA Multi-Mode Digital Mobile Phone, N9137**, are as follows.

| Equipment Class  | Frequency Band |             | Highest SAR Summary   |                           |                             | Highest Simultaneous Transmission<br>1g SAR (W/kg) |
|------------------|----------------|-------------|-----------------------|---------------------------|-----------------------------|----------------------------------------------------|
|                  |                |             | Head (Separation 0mm) | Hotspot (Separation 10mm) | Body-worn (Separation 15mm) |                                                    |
|                  |                |             | 1g SAR (W/kg)         |                           |                             |                                                    |
| Licensed         | CDMA2000       | BC0         | 0.37                  | 0.63                      | 0.60                        | 1.39                                               |
|                  |                | BC1         | 0.44                  | 1.04                      | 0.99                        |                                                    |
|                  | LTE            | Band 12     | 0.10                  | 0.22                      | 0.19                        |                                                    |
|                  |                | Band 13     | 0.17                  | 0.41                      | 0.36                        |                                                    |
|                  |                | Band 5      | 0.33                  | 0.48                      | 0.41                        |                                                    |
|                  |                | Band 4      | 0.31                  | 1.01                      | 0.50                        |                                                    |
|                  |                | Band 2/25   | 0.38                  | 1.14                      | 0.64                        |                                                    |
| DTS              | WLAN           | 2.4GHz WLAN | 0.62                  | 0.26                      | 0.12                        | 1.39                                               |
| Date of Testing: |                |             | 2017/6/20~2017/7/5    |                           |                             |                                                    |

This device is in compliance with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg) specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2013 and FCC KDB publications.

## **2. Administration Data**

| Applicant    |                                                                                                                 |
|--------------|-----------------------------------------------------------------------------------------------------------------|
| Company Name | ZTE CORPORATION                                                                                                 |
| Address      | ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P. R. China |

| Manufacturer |                                                                                                                 |
|--------------|-----------------------------------------------------------------------------------------------------------------|
| Company Name | ZTE CORPORATION                                                                                                 |
| Address      | ZTE Plaza, Keji Road South, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, 518057, P. R. China |

## **3. Guidance Applied**

The Specific Absorption Rate (SAR) testing specification, method, and procedure for this device is in accordance with the following standards:

- FCC 47 CFR Part 2 (2.1093)
- ANSI/IEEE C95.1-1992
- IEEE 1528-2013
- FCC KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r04
- FCC KDB 865664 D02 SAR Reporting v01r02
- FCC KDB 447498 D01 General RF Exposure Guidance v06
- FCC KDB 648474 D04 SAR Evaluation Considerations for Wireless Handsets v01r03
- FCC KDB 248227 D01 802.11 Wi-Fi SAR v02r02
- FCC KDB 941225 D01 3G SAR Procedures v03r01
- FCC KDB 941225 D05 SAR for LTE Devices v02r05
- FCC KDB 941225 D06 Hotspot Mode SAR v02r01

## **4. Equipment Under Test (EUT) Information**

### **4.1 General Information**

| <b>Product Feature &amp; Specification</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Equipment Name</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LTE/CDMA Multi-Mode Digital Mobile Phone                                                                                                                                                                                                                                                                                                                                                           |
| <b>Brand Name</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | ZTE                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Model Name</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | N9137                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>FCC ID</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SRQ-N9137                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Wireless Technology and Frequency Range</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                            | CDMA2000 BC0: 824.7 MHz ~ 848.31 MHz<br>CDMA 2000 BC1: 1851.25 MHz ~ 1908.75 MHz<br>LTE Band 2: 1850.7 MHz ~ 1909.3 MHz<br>LTE Band 4: 1710.7 MHz ~ 1754.3 MHz<br>LTE Band 5: 824.7 MHz ~ 848.3 MHz<br>LTE Band 12: 699.7 MHz ~ 715.3 MHz<br>LTE Band 13: 779.5 MHz ~ 784.5 MHz<br>LTE Band 25: 1850.7 MHz ~ 1914.3 MHz<br>WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz<br>Bluetooth: 2402 MHz ~ 2480 MHz |
| <b>Mode</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | CDMA2000 : 1xRTT/1xEv-Do(Rev.0)/1xEv-Do(Rev.A)<br>LTE: QPSK, 16QAM<br>WLAN 2.4GHz : 802.11b/g/n HT20/HT40<br>Bluetooth v3.0+EDR, Bluetooth v4.0 LE, Bluetooth v4.1 LE, Bluetooth v4.2 LE                                                                                                                                                                                                           |
| <b>HW Version</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | N9137HW1.0                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>SW Version</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | N9137UV1.0.0B01                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>EUT Stage</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Identical Prototype                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Remark:</b><br>1. This device WLAN 2.4GHz supports hotspot operation and Bluetooth support tethering applications.<br>2. When hotspot mode is enabled, power reduction will be activated to CDMA2000 BC1, and LTE B2 / B25.<br>3. This is a variant report for N9137. The product equality declaration could be referred to Appendix A. Since the test result is not affected by the changes, all the test data was performed on original report which can be refer to Sporton Report Number FA760302) |                                                                                                                                                                                                                                                                                                                                                                                                    |



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**Appendix A.     *Product Equality Declaration***

## ZTE CORPORATION

# Product Change Description

As the applicant of the below model, [ZTE Corporation] declares that the product,

[N9137]

[ZTE Corporation]

is the variant of the initial certified product,

[N9137]

[ZTE Corporation]

[Project Number:17ZTE252]

## SOFTWARE MODIFICATIONS:

Protocol Stack changes: NO

MMS/STK changes: NO

JAVA changes: NO

Other changes detailed:

1.disable the GSM/UMTS Bands and CDMA BC10, LTE B26/B41 Bands

2.added the VoLTE feature.

3.disable the VoIP and VoWifi

## **HARDWARE MODIFICATION:**

Band changes: NO

Power Amplifier changes: NO

Antenna changes: NO

PCB Layout changes: NO

Components on PCB changes: NO

LCD changes: NO

Speaker changes: NO

Camera changes: NO

Vibrator changes: NO

Bluetooth changes: NO

FM changes: NO

Other changes: NO

## **MECHANICAL MODIFICATIONS:**

Use new metal front/back cover or keypad: NO

Mechanical shell changes: NO

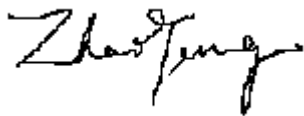
Other changes detailed: NO

## ACCESSORY MODIFICATIONS:

Battery changes:

AC Adaptor changes:

Earphone changes:



APPROVED BY: zhaoyang

Project Manager:

Date: 2018-4-1

Company: ZTE Corporation

Address: B109, #889, Bibo Rd, Zhangjiang Hi-Tech Park, Shanghai, China

Tel: +86-21-68896840

Fax: +86-21-68896835