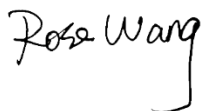


# RF Exposure Evaluation Report

APPLICANT : Quectel Wireless Solutions Co., Ltd.  
EQUIPMENT : Smart Module  
BRAND NAME : Quectel  
MODEL NAME : SC20-AL  
FCC ID : XMR201911SC20AL  
STANDARD : 47 CFR Part 2.1091

We, Sporton International (KunShan) Inc., would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1091, and pass the limit. Without written approval of Sporton International (KunShan) Inc., the test report shall not be reproduced except in full.



Reviewed by: Rose Wang / Supervisor



Approved by: Kat Yin / Manager



**Sporton International (Kunshan) Inc.**

No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province  
215300  
People's Republic of China



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**Revision History**

| REPORT NO. | VERSION | DESCRIPTION             | ISSUED DATE   |
|------------|---------|-------------------------|---------------|
| FA9N1435   | Rev. 01 | Initial issue of report | Dec. 24, 2019 |
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## **1. Administration Data**

### **1.1. Testing Laboratory**

| Applicant    |                                                                                                                       |
|--------------|-----------------------------------------------------------------------------------------------------------------------|
| Company Name | Quectel Wireless Solutions Co., Ltd.                                                                                  |
| Address      | Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233, China |

| Manufacturer |                                                                                                                       |
|--------------|-----------------------------------------------------------------------------------------------------------------------|
| Company Name | Quectel Wireless Solutions Co., Ltd.                                                                                  |
| Address      | Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233, China |

## 2. Description of Equipment Under Test (EUT)

| Product Feature & Specification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| EUT Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Smart Module                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                       |
| Brand Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quectel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                       |
| Model Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SC20-AL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                       |
| FCC ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | XMR201911SC20AL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                       |
| Wireless Technology and Frequency Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | GSM850: 824.2 MHz ~ 848.8 MHz<br>GSM1900: 1850.2 MHz ~ 1909.8 MHz<br>WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz<br>WCDMA Band IV: 1712.4 MHz ~ 1752.6 MHz<br>WCDMA Band V: 826.4 MHz ~ 846.6 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 7: 2502.5 MHz ~ 2567.5 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>LTE Band 26: 814.7 MHz ~ 848.3 MHz<br>WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz<br>WLAN 5.2GHz Band: 5180 MHz ~ 5240 MHz<br>WLAN 5.3GHz Band: 5260 MHz ~ 5320 MHz<br>WLAN 5.5GHz Band: 5500 MHz ~ 5700 MHz<br>WLAN 5.8GHz Band: 5745 MHz ~ 5825 MHz<br>Bluetooth: 2402 MHz ~ 2480 MHz |                                                                                                                       |
| Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | GSM/GPRS/EGPRS<br>RMC/AMR 12.2Kbps<br>HSDPA<br>HSUPA<br>DC-HSDPA<br>HSPA+ (16QAM uplink is not supported)<br>LTE: QPSK, 16QAM<br>802.11b/g/n HT20/HT40<br>802.11a/n HT20/HT40<br>Bluetooth v3.0 + EDR, v4.2 LE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                       |
| Antenna Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | WWAN: Dipole Antenna<br>WLAN: Dipole Antenna<br>Bluetooth: Dipole Antenna                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                       |
| HW Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | R1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                       |
| SW Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SC20ALSAR09A01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                       |
| EUT Stage                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Identical Prototype                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                       |
| Remark:<br>1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.<br>2. The device supports GPRS/EGPRS Class 33.<br>3. This project is FCC change ID application (original report FCC ID: XMR201706SC20A) and changed items are as followed. Since the test result is not affected by the changes, so all the test results release from original report FA741007 (FCC ID: XMR201706SC20A) which can be referred to Appendix A. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                       |
| Change item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Original                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Present                                                                                                               |
| Operating System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Android                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Linux                                                                                                                 |
| model name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SC20-A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | SC20-AL                                                                                                               |
| SW Version                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | SC20ASAR04A03H8G                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | SC20WLSAR09A01                                                                                                        |
| Company Addr.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 7th Floor, Hongye Building, No.1801 Hongmei Road, Xuhui District, Shanghai 200233, China                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233, China |



**Appendix A. Original Report**

Please refer to original report FA741007 which is issued separately.