



# DYNAMIC FREQUENCY SELECTION

## DFS Test Report

APPLICANT : Quectel Wireless Solutions Co., Ltd.  
EQUIPMENT : Smart Module  
BRAND NAME : Quectel  
MODEL NAME : SC20-AL  
FCC ID : XMR201911SC20AL  
STANDARD : FCC Part 15 Subpart E  
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

The product was received on Nov. 14, 2019. We, Sporton International (KunShan) Inc., would like to declare that the tested sample has been evaluated in accordance with the procedures and shown to be compliant 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.

Jason Jia

Reviewed by: Jason Jia / Supervisor

James Huang

Approved by: James Huang / Manager



**Sporton International (Kunshan) Inc.**

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## REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FZ9N1435	Rev. 01	Initial issue of report	Dec. 24, 2019



# 1 General Description

## 1.1 Applicant

**Quectel Wireless Solutions Co., Ltd.**

Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233, China

## 1.2 Manufacturer

**Quectel Wireless Solutions Co., Ltd.**

Building 5, Shanghai Business Park Phase III (Area B), No.1016 Tianlin Road, Minhang District, Shanghai 200233, China

## 1.3 Feature of Equipment Under Test

Product Feature	
<b>Equipment</b>	Smart Module
<b>Brand Name</b>	Quectel
<b>Model Name</b>	SC20-AL
<b>FCC ID</b>	XMR201911SC20AL
<b>EUT supports Radios application</b>	GSM/GPRS/EGPRS/WCDMA/HSPA/DC-HSDPA/ HSPA+(16QAM uplink is not supported)/LTE/ WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 5GHz 802.11a/n HT20/HT40/ Bluetooth v3.0 + EDR/ v4.2 LE
<b>HW Version</b>	R1.0
<b>SW Version</b>	SC20ALSAR09A01
<b>EUT Stage</b>	Identical Prototype

### Remark:

1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.
2. 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 FZ741007 (FCC ID: XMR201706SC20A) which can be referred to Appendix A.

Change item	Original	Present
<b>Operating System</b>	Android	Linux
<b>model name</b>	SC20-A	SC20-AL
<b>SW Version</b>	SC20ASAR04A03H8G	SC20ALSAR09A01
<b>Company Addr.</b>	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

## 1.4 Product Specification of Equipment Under Test

Product Specification subjective to this standard	
DFS Function	Client without radar detection function
Tx/Rx Channel Frequency Range	5260 MHz ~ 5320 MHz 5500 MHz ~ 5700 MHz
EUT support WLAN function	<b>&lt;5260 MHz ~ 5320 MHz&gt;</b> 802.11a 802.11n HT20 802.11n HT40 <b>&lt;5500 MHz ~ 5700 MHz &gt;</b> 802.11a 802.11n HT20 802.11n HT40
Type of Modulation	OFDM (BPSK / QPSK / 16QAM / 64QAM)

## 1.5 Modification of EUT

No modifications are made to the EUT during all test items.



## **Appendix A. Original Report**

Please refer to original report FZ741007 which is issued separately.