



DYNAMIC FREQUENCY SELECTION

DFS Test Report

APPLICANT : Quectel Wireless Solutions Co., Ltd.
EQUIPMENT : Smart LTE Module with Wi-Fi & Bluetooth
BRAND NAME : Quectel
MODEL NAME : SC20-AX
FCC ID : XMR202201SC20AX
STANDARD : FCC Part 15 Subpart E
CLASSIFICATION : (NII) Unlicensed National Information Infrastructure

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has 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 Inc. (Kunshan), the test report shall not be reproduced except in full.

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Reviewed by: Jason Jia / Supervisor

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FZ1D2404	Rev. 01	Initial issue of report	Feb. 14, 2022



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 Product Feature of Equipment Under Test

Product Feature	
Equipment	Smart LTE Module with Wi-Fi & Bluetooth
Brand Name	Quectel
Model Name	SC20-AX
FCC ID	XMR202201SC20AX
HW Version	R1.0
SW Version	SC20AXPAR09A05
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Modification of EUT

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



2 Re-use of Measured Data

2.1 Introduction Section

This application re-uses data collected on a similar device. The subject device of this application (Model: SC20-AX, FCC ID: XMR202201SC20AX) is electrically identical to the reference device (Model: SC20-AL, FCC ID: XMR201911SC20AL) for the portions of the circuitry corresponding to the data being re-used. Based on their similarity, the FCC Part 15E (equipment class: NII) reuse the original model's result and do spot-check, following the FCC KDB 484596 D01 v01.

The applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID: XMR202201SC20AX .

2.2 Model Difference Information

The **main** difference between FCC ID: XMR201911SC20AL and FCC ID: XMR202201SC20AX is as below:

- SC20-AX uses MCP memory while SC20-AL uses EMCP memory, so the layout of memory part is different
- SC20-AX added U1007 to optimize the Tx performance of B13
- U1502 changed the WiFi 2.4G SAW package size

Other differences and all the details of similarity and difference can be found in the confidential documents (SC20-AX_Operational Description of Product Equality Declaration).

2.3 Reference detail Section:

Rule Part	Equipment Class	Frequency Band (MHz)	Reference FCC ID(Parent)	Type Grant/ Permissive Change	Reference Title	FCC ID Filling (Variant)	Report Title/Section
15E	DFS	5250~5350 5470~5725	XMR201911SC20AL	Original Grant	FZ9N1435	XMR202201SC20AX	All sections applicable

Conclusion:

The same DFS detection mechanism/software is used in the variant. Hence, there is no spot check data for DFS.

We confirm that the test data reuse policy of FCC KDB 484596 D01 Referencing Test Data v01 has been followed and the test data as referenced from the parent model report represents compliance with new FCC ID.

-THE END-