

# Variant FCC RF Test Report

APPLICANT : Doro AB  
EQUIPMENT : GSM/WCDMA/LTE Mobile Telephone  
BRAND NAME : doro  
MODEL NAME : Doro 824  
FCC ID : WS5DORO824U  
STANDARD : FCC Part 15 Subpart C §15.247  
CLASSIFICATION : (DTS) Digital Transmission System

This is a variant report which is only valid together with the original test report. The product was received on Jan. 27, 2016. We, SPORTON INTERNATIONAL (KUNSHAN) INC., 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 (KUNSHAN) INC., the test report shall not be reproduced except in full.



---

Prepared by: James Huang / Manager



---

Approved by: Jones Tsai / Manager



**SPORTON INTERNATIONAL (KUNSHAN) INC.**  
**No. 3-2, PingXiang Road, Kunshan, Jiangsu Province, P. R. China**



## TABLE OF CONTENTS

REVISION HISTORY.....	3
1 GENERAL DESCRIPTION .....	4
1.1 Applicant.....	4
1.2 Manufacturer.....	4
1.3 Product Feature of Equipment Under Test.....	4
1.4 Product Specification subjective to this standard .....	4
1.5 Modification of EUT .....	4
APPENDIX A. PHOTOGRAPHS OF EUT	
APPENDIX B. PRODUCT EQUALITY DECLARATION	



## REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR533002-11C	Rev. 01	This is a variant report for Doro 824. The product equality declaration could be referred to Appendix B. Since the test result is not affected, all the test cases were performed on original test report (Sporton Report Number FR533002-01C).	Mar. 10, 2016

# 1 General Description

## 1.1 Applicant

Doro AB

Magistratsvägen 10 SE-226 43 Lund Sweden

## 1.2 Manufacturer

BYD PRECISION MFR CO., LTD

No. 3001, Baohe Road, Baolong Industrial, Longgang, Shenzhen, 518116, P. R. China

## 1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	GSM/WCDMA/LTE Mobile Telephone
Brand Name	doro
Model Name	Doro 824
FCC ID	WS5DORO824U
EUT supports Radios application	GSM/GPRS/EGPRS/WCDMA/HSPA/ DC-HSDPA/HSPA+16QAM uplink is not supported)/LTE/ WLAN 2.4GHz 802.11b/g/n HT20/ Bluetooth v3.0 + EDR/Bluetooth v4.1 LE
HW Version	Doro_DVT2_2121
SW Version	824A_US_CC_00.50.00_USER_160113
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 Product Specification subjective to this standard

Product Specification subjective to this standard	
Tx/Rx Channel Frequency Range	2412 MHz ~ 2462 MHz
Antenna Type	PIFA Antenna
Type of Modulation	802.11b : DSSS (DBPSK / DQPSK / CCK) 802.11g/n : OFDM (BPSK / QPSK / 16QAM / 64QAM)

## 1.5 Modification of EUT

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



## **Appendix A. Photographs of EUT**

Please refer to Sporton report number EP533002-11 which is issued separately.



## **Appendix B. Product Equality Declaration**

**BYD PRECISION MFR CO.,LTD**

No.3001, Baohe Road, Baolong Industrial, Longgang, Shenzhen, 518116, P. R. China  
Tel: 86 010 58018888; Fax: 86 010 58018888 73000

**Date: March 3, 2016**

## **Product Equality Declaration**

(Declaration of equality of a product variant with a previously assessed original product. To be signed in the name of the company that is responsible for the product variant)

We, BYD, declare on our sole responsibility for the product -- *Model Name: Doro 824 as below:*

The differences between this version and previously certified version are:

1. HW code is changed from 2111 to 2121.
2. Add 2nd source of LCD, PN: 11475771-00.
3. Add 2nd source of memory, PN: 11568409-00.
4. Update camera sensor ov8858 from R1A to R2A with camera parameters update. (Keep same BYD P/N).
5. HW version is changed from Doro\_DVT2 to Doro\_DVT2\_2121, no HW design change.
6. SW differences: Changed from 824A\_US\_AT\_00.31.02\_USER\_150722 to 824A\_US\_CC\_00.50.00\_USER\_160113.

All of these changes listed above have been applied to the samples used for lab tests.

Sincerely yours,



Contact Person: Tao Zeli

Company: BYD PRECISION MFR CO.,LTD BEIJING BRANCH

Tel : +86-10-58018888-71516

Fax: +86-10-58018888-73000

E-Mail: tao.zeli@byd.com.