

# 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 : 47 CFR Part 2, 22(H), 24(E), 27(L), 27(H)

**CLASSIFICATION**: PCS Licensed Transmitter Held to Ear (PCE)

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 given in ANSI / TIA / EIA-603-D-2010 and the testing has shown the tested sample to be 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

SPORTON INTERNATIONAL (KUNSHAN) INC.

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Report Issued Date : Mar. 10, 2016
Report Version : Rev. 01

Report No.: FG533002-11B

# Variant FCC RF Test Report

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## **REVISION HISTORY**

VERSION	DESCRIPTION	ISSUED DATE
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 FG533002-01B).	Mar. 10, 2016
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### **General Description** 1

### **Applicant** 1.1

### **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				

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# 1.4 Product Specification subjective to this standard

Product Specification subjective to this standard					
	LTE Band 2: 1850.7 MHz ~ 1909.3 MHz				
Tx Frequency	LTE Band 4: 1710.7 MHz ~ 1754.3 MHz				
1 x 1 requeitey	LTE Band 5: 824.7 MHz ~ 848.3 MHz				
	LTE Band 17: 706.5 MHz ~ 713.5 MHz				
	LTE Band 2: 1930.7 MHz ~ 1989.3 MHz				
Dy Fraguency	LTE Band 4: 2110.7 MHz ~ 2154.3 MHz				
Rx Frequency	LTE Band 5: 869.7 MHz ~ 893.3 MHz				
	LTE Band 17: 736.5 MHz ~ 743.5 MHz				
	LTE Band 2: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz				
Bandwidth	LTE Band 4: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz				
Bandwidth	LTE Band 5: 1.4MHz / 3MHz / 5MHz / 10MHz				
	LTE Band 17: 5MHz / 10MHz				
Antenna Type	PIFA Antenna				
Type of Modulation	QPSK / 16QAM				

### 1.5 Modification of EUT

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

SPORTON INTERNATIONAL (KUNSHAN) INC.

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# Appendix A. Photographs of EUT

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

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# Appendix B. Product Equality Declaration

SPORTON INTERNATIONAL (KUNSHAN) INC.

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### 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,

Zeli Tao

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