

Variant FCC RF Test Report

APPLICANT : Doro AB
EQUIPMENT : GSM/WCDMA/LTE Mobile Telephone
BRAND NAME : doro
MODEL NAME : DSB-0020
FCC ID : WS5DORO824U
STANDARD : FCC 47 CFR Part 2, 22(H), 24(E), 27(L)
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. 29, 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 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 DESCRIPTION4

1.1 Applicant.....4

1.2 Manufacturer4

1.3 Product Feature of Equipment Under Test4

1.4 Product Specification subjective to this standard5

1.5 Modification of EUT5

APPENDIX A. PHOTOGRAPHS OF EUT

APPENDIX B. PRODUCT EQUALITY DECLARATION



REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG533002-12A	Rev. 01	This is a variant report for DSB-0020. 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 FG533002-11A).	Mar. 15, 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	DSB-0020
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	DSB0020_CA_GRA_01.01.00_USER_20160219
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 Frequency	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz WCDMA Band IV : 1712.4 MHz ~ 1752.6 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz
Rx Frequency	GSM850: 869.2 MHz ~ 893.8 MHz GSM1900: 1930.2 MHz ~ 1989.8 MHz WCDMA Band V: 871.4 MHz ~ 891.6 MHz WCDMA Band IV : 2112.4 MHz ~ 2152.6 MHz WCDMA Band II: 1932.4 MHz ~ 1987.6 MHz
Antenna Type	PIFA Antenna
Type of Modulation	GSM: GMSK GPRS: GMSK EDGE: GMSK / 8PSK WCDMA : QPSK (Uplink) HSDPA/DC-HSDPA : QPSK (Uplink) HSUPA : QPSK (Uplink) HSPA+ : 16QAM uplink is not supported DC-HSDPA : 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 EP533002-12 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 15, 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 that the product -- *Model Name: DSB-0020 (FCC ID: WS5DORO824U)* is in all relevant parts identical to the product-- *Model Name: Doro 824 (FCC ID: WS5DORO824U)*, except for the differences listed below:

1. SW Version differences:

Doro824: 824A_US_CC_00.50.00_USER_160113

DSB-0020: DSB0020_CA_GRA_01.01.00_USER_20160219

2. IMEI label differences:

- 1) Different model name
- 2) Different IMEI TAC code
- 3) DSB-0020 add cUL logo and number
- 4) DSB-0020 add Wi-Fi MAC address
- 5) DSB-0020 add Bluetooth MAC.

3. Battery Cover differences:

Doro 824 has "Consumer Cellular" on the battery cover, DSB-0020 removed it.

Sincerely yours,



Contact Person: Tao Zeli

Company: BYD PRECISION MFR CO.,LTD

Tel: : +86-10-58018888-71516

Fax: +86-10-58018888-73000

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