# Variant FCC RF Test Report

APPLICANT : Doro AB

**EQUIPMENT**: **GSM** Mobile Telephone

BRAND NAME : doro

MODEL NAME : Doro PhoneEasy 613
MARKETING NAME : Doro PhoneEasy 613

FCC ID : WS5DORO613

STANDARD : FCC Part 15 Subpart C §15.247

CLASSIFICATION : (DSS) Spread Spectrum Transmitter

This is a variant report which is only valid together with the original test report. The product was received on May 07, 2014 and testing was completed on May 24, 2014. We, SPORTON INTERNATIONAL (SHENZHEN) 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 (SHENZHEN) INC., the test report shall not be reproduced except in full.

Reviewed by: Joseph Lin / Supervisor

Approved by: Jones Tsai / Manager

### SPORTON INTERNATIONAL (SHENZHEN) INC.

No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P.R.C.

TEL: 86-755- 3320-2398 FCC ID: WS5DORO613 Page Number : 1 of 20 Report Issued Date : Jul. 03, 2014

Testing Laboratory

Report No.: FR3O2201-01

### **TABLE OF CONTENTS**

RE	1.1 Applicant       5         1.2 Manufacturer       5         1.3 Feature of Equipment Under Test       5         1.4 Product Specification of Equipment Under Test       5         1.5 Modification of EUT       6         1.6 Testing Site       6         1.7 Applied Standards       6         TEST CONFIGURATION OF EQUIPMENT UNDER TEST       7         2.1 Test Mode       7         2.2 Connection Diagram of Test System       8         2.3 Support Unit used in test configuration and system       8         2.4 EUT Operation Test Setup       8			
SUI	MMAR	Y OF TEST RESULT	4	
1	GENE	ERAL DESCRIPTION	5	
	1.1	Applicant	5	
	1.2	Manufacturer	5	
	1.3	Feature of Equipment Under Test	5	
	1.4	Product Specification of Equipment Under Test	5	
	1.5	Modification of EUT	6	
	1.6	Testing Site	6	
	1.7	Applied Standards	6	
2	TEST	CONFIGURATION OF EQUIPMENT UNDER TEST	7	
	2.1	Test Mode	7	
	2.2	Connection Diagram of Test System	8	
	2.3	Support Unit used in test configuration and system	8	
	2.4	EUT Operation Test Setup	8	
3	TEST	RESULT	9	
	3.1	Radiated Band Edges and Spurious Emission Measurement	9	
	3.2	Antenna Requirements	18	
4	LIST	OF MEASURING EQUIPMENT	19	
5	UNCE	ERTAINTY OF EVALUATION	20	
API	PENDI	X A. PHOTOGRAPHS OF EUT		
API	PENDI	X B. SETUP PHOTOGRAPHS		
API	PENDI	X C. PRODUCT EQUALITY DECLARATION		

TEL: 86-755- 3320-2398 FCC ID: WS5DORO613

Report No.: FR3O2201-01

### **REVISION HISTORY**

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR3O2201-01	Rev. 01	This is a variant report for Doro PhoneEasy 613. The product equality declaration could be referred to Appendix C. Based on the similarity between two models, only the worst case of Radiated Spurious Emission from original test report (Sporton Report Number FR3O2201) were verified for the differences.	Jul. 03, 2014

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755- 3320-2398 FCC ID: WS5DORO613 Page Number : 3 of 20
Report Issued Date : Jul. 03, 2014
Report Version : Rev. 01

### **SUMMARY OF TEST RESULT**

Report Section	FCC Rule	Description	Limit	Result	Remark
		Radiated Band Edges and			Under limit
3.1	15.247(d)	Radiated Spurious	15.209(a) & 15.247(d)	Pass	8.47 dB at
		Emission			2483.500 MHz
3.2	15.203 & 15.247(b)	Antenna Requirement	N/A	Pass	-

TEL: 86-755- 3320-2398 FCC ID: WS5DORO613 Page Number : 4 of 20 Report Issued Date : Jul. 03, 2014

Report No.: FR3O2201-01

### **General Description**

#### **Applicant** 1.1

#### **Doro AB**

Magistratsvägen 10 SE-226 43 Lund Sweden

#### 1.2 Manufacturer

#### **CK TELECOM LTD.**

Technology Road. High-Tech Development Zone. Heyuan, Guangdong, P. R. China.

#### 1.3 **Feature of Equipment Under Test**

	Product Feature
Equipment	GSM Mobile Telephone
Brand Name	doro
Model Name	Doro PhoneEasy 613
Marketing Name	Doro PhoneEasy 613
FCC ID	WS5DORO613
IMEI Number	352927060003546
EUT supports Radios application	GSM/GPRS/Bluetooth v3.0 + EDR
HW Version	YACHTPLUS-V2.0
SW Version	YACHTPLUS02A-S01A_DORO613_L18EN_103_140429
EUT Stage	Production Unit

Report No.: FR3O2201-01

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

#### **Product Specification of Equipment Under Test** 1.4

Product Specification subjective to this standard					
Tx/Rx Frequency Range	2402 MHz ~ 2480 MHz				
Number of Channels	79				
Carrier Frequency of Each Channel	2402+n*1 MHz; n=0~78				
Antenna Type	PIFA Antenna with gain -2.00 dBi				
Type of Modulation	Bluetooth BR (1Mbps) : GFSK Bluetooth EDR (2Mbps) : $\pi$ /4-DQPSK Bluetooth EDR (3Mbps) : 8-DPSK				

SPORTON INTERNATIONAL (SHENZHEN) INC. : 5 of 20 Page Number TEL: 86-755-3320-2398 Report Issued Date: Jul. 03, 2014 Report Version : Rev. 01

FCC ID: WS5DORO613

#### 1.5 Modification of EUT

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

### 1.6 Testing Site

Test Site	SPORTON INTERNATIONAL (SHENZHEN) INC.					
Test Site Location	No. 3 Building, the third floor of south, Shahe River west, Fengzeyuan warehouse, Nanshan District, Shenzhen, Guangdong, P.R.C.					
	TEL: +86-755- 3320-2398					
Test Site No.	Sporton Site No.	FCC Registration No.				
lest site NO.	03CH01-SZ	831040				

Note: The test site complies with ANSI C63.4 2003 requirement.

### 1.7 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC Part 15 Subpart C §15.247
- FCC Public Notice DA 00-705
- ANSI C63.4-2003

#### Remark:

- All test items were verified and recorded according to the standards and without any deviation during the test.
- 2. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

FCC ID: WS5DORO613

Page Number : 6 of 20
Report Issued Date : Jul. 03, 2014
Report Version : Rev. 01

## 2 Test Configuration of Equipment Under Test

### 2.1 Test Mode

The following summary table is showing all test modes to demonstrate in compliance with the standard.

Report No.: FR3O2201-01

and the second of the second o									
	Summary table of Test Cases								
Took Itama	Data Rate / Modulation								
Test Item	Bluetooth BR 1Mbps GFSK								
Radiated	Mode 1: CH79, 2490 MHz								
Test Cases	Test Cases Mode 1: CH78_2480 MHz								
Remark: All the radiated test cases were performed with USB Cable, Adapter 4, Earphone and Cradle.									

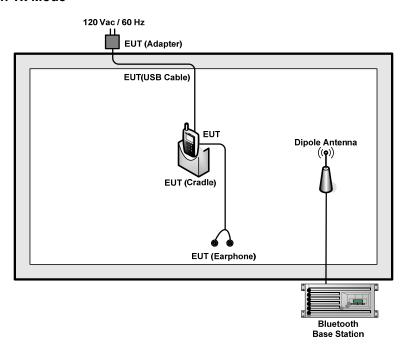
 SPORTON INTERNATIONAL (SHENZHEN) INC.
 Page Number
 : 7 of 20

 TEL: 86-755- 3320-2398
 Report Issued Date
 : Jul. 03, 2014

 FCC ID: WS5DORO613
 Report Version
 : Rev. 01

### 2.2 Connection Diagram of Test System

#### <Bluetooth Tx Mode>



### 2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Bluetooth Base Station	R&S	CBT32	N/A	N/A	Unshielded, 1.8 m

### 2.4 EUT Operation Test Setup

For Bluetooth function, the engineering test program was provided and enabled to make EUT connect with Bluetooth base station to continuous transmit/receive.

TEL: 86-755- 3320-2398 FCC ID: WS5DORO613

Page Number : 8 of 20
Report Issued Date : Jul. 03, 2014
Report Version : Rev. 01

#### 3 Test Result

### 3.1 Radiated Band Edges and Spurious Emission Measurement

#### 3.1.1 Limit of Radiated Band Edges and Spurious Emission

In any 100 kHz bandwidth outside the intentional radiator frequency band, all harmonics/spurious must be at least 20 dB below the highest emission level within the authorized band. In addition, radiated emissions which fall in the restricted bands must also comply with the FCC section 15.209 limits as below.

Frequency	Field Strength	Measurement Distance
(MHz)	(microvolts/meter)	(meters)
0.009 - 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

#### 3.1.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

SPORTON INTERNATIONAL (SHENZHEN) INC.

TEL: 86-755- 3320-2398 FCC ID: WS5DORO613

Page Number : 9 of 20
Report Issued Date : Jul. 03, 2014

Report No.: FR3O2201-01

#### 3.1.3 Test Procedures

 The testing follows the guidelines in Spurious Radiated Emissions of FCC Public Notice DA 00-705 Measurement Guidelines.

Report No.: FR3O2201-01

- 1. The EUT was placed on a turntable with 0.8 meter above ground.
- 2. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 3. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 4. Set to the maximum power setting and enable the EUT transmit continuously.
- 5. Use the following spectrum analyzer settings:
  - (1) Span shall wide enough to fully capture the emission being measured;
  - (2) Set RBW=100 kHz for f < 1 GHz, RBW=1MHz for f>1GHz; VBW ≥ RBW; Sweep = auto; Detector function = peak; Trace = max hold for peak
  - (3) For average measurement: use duty cycle correction factor method per 15.35(c). Duty cycle = On time/100 milliseconds On time =  $N_1*L_1+N_2*L_2+...+N_{n-1}*LN_{n-1}+N_n*L_n$ 
    - Where  $N_1$  is number of type 1 pulses,  $L_1$  is length of type 1 pulses, etc. Average Emission Level = Peak Emission Level +  $20*log(Duty\ cycle)$
- 6. Corrected Reading: Antenna Factor + Cable Loss + Read Level Preamp Factor = Level

Note: The average levels were calculated from the peak level corrected with duty cycle correction factor (-24.82dB) derived from 20log (dwell time/100ms). This correction is only for signals that hop with the fundamental signal, such as band-edge and harmonic. Other spurious signals that are independent of the hopping signal would not use this correction.

#### 3.1.4 Test Setup

#### For radiated emissions below 30MHz



#### For radiated emissions from 30MHz to 1GHz



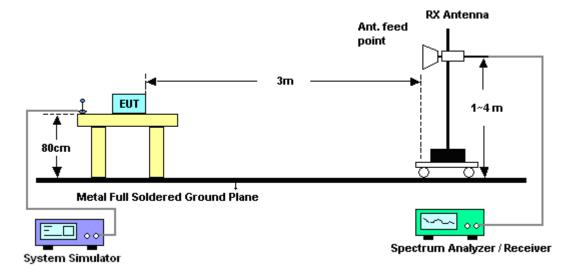
 ${\it SPORTON\ INTERNATIONAL\ (SHENZHEN)\ INC.}$ 

TEL: 86-755- 3320-2398 FCC ID: WS5DORO613

Page Number : 11 of 20 Report Issued Date : Jul. 03, 2014

Report No.: FR3O2201-01

#### For radiated emissions above 1GHz



#### 3.1.5 Test Results of Radiated Spurious Emissions (9 kHz ~ 30 MHz)

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

TEL: 86-755- 3320-2398 FCC ID: WS5DORO613

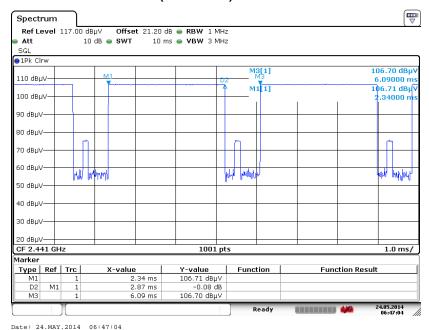
Page Number : 12 of 20 Report Issued Date : Jul. 03, 2014

Report No.: FR3O2201-01

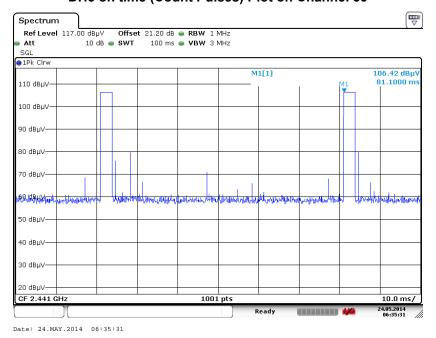
#### 3.1.6 Duty cycle correction factor for average measurement

#### DH5 on time (One Pulse) Plot on Channel 39

Report No.: FR3O2201-01



#### DH5 on time (Count Pulses) Plot on Channel 39



#### Note:

- 1. Worst case Duty cycle = on time/100 milliseconds = 2 \* 2.87 / 100 = 5.74 %
- 2. Worst case Duty cycle correction factor = 20\*log(Duty cycle) = -24.82 dB
- 3. DH5 has the highest duty cycle worst case and is reported.

#### **Duty Cycle Correction Factor Consideration for AFH mode:**

Bluetooth normal hopping rate is 1600Hz and reduced to 800Hz in AFH mode; due to the reduced number of hopping frequencies, with the same packet configuration the dwell time in each channel frequency within 100msec period is longer in AFH mode than normal mode.

In AFH mode, the minimum hopping frequencies are 20, to get the longest dwell time DH5 packet is observed; the period to have DH5 packet completing one hopping sequence is

 $2.87 \text{ ms } \times 20 \text{ channels} = 57.4 \text{ ms}$ 

There cannot be 2 complete hopping sequences within 100ms period, considering the random hopping behavior, maximum 2 hops can be possibly observed within the period. [100ms / 57.6ms] = 2 hops

Thus, the maximum possible ON time:

2.87 ms x 2 = 5.74 ms

Worst case Duty Cycle Correction factor, which is derived from the maximum possible ON time,

 $20 \times log(5.74 \text{ ms}/100 \text{ms}) = -24.82 \text{ dB}$ 

TEL: 86-755- 3320-2398 FCC ID: WS5DORO613

Page Number : 14 of 20 Report Issued Date : Jul. 03, 2014

Report No.: FR3O2201-01

### 3.1.7 Test Result of Radiated Spurious at Band Edges

Test Mode :	Mode 1	Temperature :	24~25°C
Test Channel :	78	Relative Humidity :	48~49%
		Test Engineer :	Leo Liao

	ANTENNA POLARITY : HORIZONTAL										
Frequency	Frequency Level Over Limit Read Antenna Cable Preamp Ant Table Remark									Remark	
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MHz)	( dBµV/m )	( dB )	( dBµV/m )	(dBµV)	( dB )	( dB )	( dB )	( cm )	(deg)		
2483.5	61.35	-12.65	74	52.99	32.41	5.71	29.76	137	17	Peak	
2483.5	36.53	-17.47	54	•	-	-	-	137	17	Average	

	ANTENNA POLARITY: VERTICAL										
Frequency	Frequency Level Over Limit Read Antenna Cable Preamp Ant Table Remar								Remark		
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos		
(MHz)	( dBµV/m )	( dB )	( dBµV/m )	(dBµV)	( dB )	( dB )	( dB )	( cm )	(deg)		
2483.5	65.53	-8.47	74	57.17	32.41	5.71	29.76	100	310	Peak	
2483.5	40.71	-13.29	54	-	-	-	-	100	310	Average	

**Note:** Average Emission Level = Peak Emission Level + duty cycle correction factor(-24.82dB)

 ${\it SPORTON\ INTERNATIONAL\ (SHENZHEN)\ INC.}$ 

TEL: 86-755- 3320-2398 FCC ID: WS5DORO613 Page Number : 15 of 20 Report Issued Date : Jul. 03, 2014

Report No.: FR3O2201-01

### 3.1.8 Test Result of Radiated Spurious Emission (30MHz ~ 10<sup>th</sup> Harmonic)

**Note:** Pre-scanned all test modes and only choose the worst case mode recorded in the test report for radiated spurious emission below 1GHz.

Test Mode :	Mode 1	Temperature :	24~25°C				
Test Channel :	78	Relative Humidity :	48~49%				
Test Engineer :	Leo Liao Polarization : Horizontal						
Remark :	2480 MHz is fundamental signal which can be ignored.						

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	( dBµV/m )	( dB )	( dBµV/m )	(dBµV)	( dB )	( dB )	( dB )	(cm)	( deg )	
153.19	24.72	-18.78	43.5	43.7	9.46	1.5	29.94	-	-	Peak
183.26	26.19	-17.31	43.5	46.43	8.07	1.63	29.94	200	0	Peak
378.23	19.63	-26.37	46	31.92	15.4	2.24	29.93	-	-	Peak
485.9	22.23	-23.77	46	32.38	17.28	2.49	29.92	-	-	Peak
747.8	24.43	-21.57	46	30.76	20.54	3.06	29.93	-	-	Peak
952.47	25.18	-20.82	46	30.47	21.23	3.42	29.94	-	-	Peak
2480	104.3	-	-	95.94	32.41	5.71	29.76	137	17	Peak
2480	79.48	-	-	-	-	-	-	137	17	Average
4960	44.98	-29.02	74	59.39	34.12	8.49	57.02	118	289	Peak
4960	20.16	-33.84	54	-	-	-	-	118	289	Average
7440	42.67	-31.33	74	55.65	33.97	10.04	56.99	158	273	Peak
7440	17.85	-36.15	54	-	-	-	-	158	273	Average

**Note:** 1. Other harmonics are lower than background noise.

TEL: 86-755-3320-2398 FCC ID: WS5DORO613 Page Number : 16 of 20
Report Issued Date : Jul. 03, 2014
Report Version : Rev. 01

<sup>2.</sup> Average Emission Level = Peak Emission Level + duty cycle correction factor( -24.82)

Test Mode :	Mode 1	Temperature :	24~25°C			
Test Channel :	78	Relative Humidity :	48~49%			
Test Engineer :	Leo Liao Polarization : Vertical					
Remark :	2480 MHz is fundamental signal which can be ignored.					

Frequency	Level	Over	Limit	Read	Antenna	Cable	Preamp	Ant	Table	Remark
		Limit	Line	Level	Factor	Loss	Factor	Pos	Pos	
(MHz)	$(dB\mu V/m)$	(dB)	( dBµV/m )	(dBµV)	( dB )	( dB )	( dB )	(cm)	(deg)	
31.94	29.43	-10.57	40	40.68	17.9	0.78	29.93	100	0	Peak
181.32	24.13	-19.37	43.5	44.56	7.89	1.62	29.94	-	-	Peak
418	20.55	-25.45	46	32.13	16	2.34	29.92	-	-	Peak
607.15	23.38	-22.62	46	31.93	18.6	2.77	29.92	-	-	Peak
824.43	24.74	-21.26	46	30.94	20.49	3.24	29.93	-	-	Peak
991.27	25.87	-28.13	54	31	21.29	3.52	29.94	-	-	Peak
2480	100.42	-	-	92.06	32.41	5.71	29.76	100	310	Peak
2480	75.6	-	-	-	-	-	-	100	310	Average
4960	40.65	-33.35	74	55.06	34.12	8.49	57.02	118	289	Peak
4960	15.83	-38.17	54	-	-	-	-	118	289	Average
7440	38.57	-35.43	74	51.55	33.97	10.04	56.99	158	273	Peak
7440	13.75	-40.25	54	-	-			158	273	Average

**Note:** 1. Other harmonics are lower than background noise.

TEL: 86-755- 3320-2398 FCC ID: WS5DORO613 Page Number : 17 of 20
Report Issued Date : Jul. 03, 2014
Report Version : Rev. 01

<sup>2.</sup> Average Emission Level = Peak Emission Level + duty cycle correction factor( -24.82)

### 3.2 Antenna Requirements

#### 3.2.1 Standard Applicable

If directional gain of transmitting antennas is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the FCC rule.

Report No.: FR3O2201-01

#### 3.2.2 Antenna Connected Construction

Non-standard connector used.

#### 3.2.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

 SPORTON INTERNATIONAL (SHENZHEN) INC.
 Page Number
 : 18 of 20

 TEL: 86-755- 3320-2398
 Report Issued Date
 : Jul. 03, 2014

FCC ID : WS5DORO613 Report Version : Rev. 01

## 4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
ESCIO TEST Receiver	R&S	ESCI	100724	9kHz~3GHz	Feb. 21, 2014	May 24, 2014	Feb. 20, 2015	Radiation (03CH01-SZ)
Spectrum Analyzer	Agilent Technologies	N9038A	MY522601 85	20Hz~26.5GHz	May 27, 2013	May 24, 2014	May 26, 2014	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2	100354	9kHz~30MHz	May 29, 2013	May 24, 2014	May 28, 2014	Radiation (03CH01-SZ)
Bilog Antenna	TESEQ	CBL 6112D	23188	30MHz~2GHz	Oct. 26, 2013	May 24, 2014	Oct. 25, 2014	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS Lindgren	3117	00119436	1GHz~18GHz	Oct. 26, 2013	May 24, 2014	Oct. 25, 2014	Radiation (03CH01-SZ)
Double Ridged Horn Antenna	COM-POWER	AH-840	101073	18GHz~40GHz	Jan. 27, 2014	May 24, 2014	Jan. 26, 2015	Radiation (03CH01-SZ)
Amplifier	ADVANTEST	BB525C	E9007003	9kHz~3000MHz	Feb. 21, 2014	May 24, 2014	Feb. 20, 2015	Radiation (03CH01-SZ)
Amplifier	Agilent	83017A	MY395013 02	3Hz~26.5GHz	Mar. 03, 2014	May 24, 2014	Mar. 02, 2015	Radiation (03CH01-SZ)
AC Source(AVR)	Chroma	61601	616010001 985	100Vac~250Vac	Mar. 25, 2014	May 24, 2014	Mar. 24, 2015	Radiation (03CH01-SZ)
Turn Table	EM Electronics	EM 1000	N/A	0~360 degree	NCR	May 24, 2014	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM Electronics	EM 1000	N/A	1 m~4 m	NCR	May 24, 2014	NCR	Radiation (03CH01-SZ)

SPORTON INTERNATIONAL (SHENZHEN) INC. TEL: 86-755-3320-2398

FCC ID: WS5DORO613

Page Number : 19 of 20
Report Issued Date : Jul. 03, 2014
Report Version : Rev. 01

## 5 Uncertainty of Evaluation

#### Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of	3.90
Confidence of 95% (U = 2Uc(y))	3.90

Report No.: FR3O2201-01

 SPORTON INTERNATIONAL (SHENZHEN) INC.
 Page Number
 : 20 of 20

 TEL: 86-755- 3320-2398
 Report Issued Date
 : Jul. 03, 2014

FCC ID: WS5DORO613 Report Version: Rev. 01

## Appendix A. Photographs of EUT

Please refer to Sporton report number EP3O2201-01 which is issued separately.

Report No.: FR3O2201-01

SPORTON INTERNATIONAL (SHENZHEN) INC.

Page Number : A1 of A1

TEL: 86-755- 3320-2398

Report Issued Date : Jul. 03, 2014

FCC ID: WS5DORO613 Report Version: Rev. 01

## **Appendix C. Product Equality Declaration**

Report No.: FR3O2201-01

SPORTON INTERNATIONAL (SHENZHEN) INC.

Page Number : C1 of C1 Report Issued Date : Jul. 03, 2014 TEL: 86-755-3320-2398 FCC ID: WS5DORO613 Report Version : Rev. 01

### CK TELECOM LTD.

Technology Road.High-Tech Development Zone. Heyuan, Guangdong,P.R.China. Tel: +86-755-26739633; Fax: +86-755-26739500

**Date: July 3, 2014** 

### **Product Equality Declaration**

We, **CK TELECOM LTD**, declare on our sole responsibility for the product of Doro PhoneEasy 613 as below:

The difference between Doro PhoneEasy 613 and Doro PhoneEasy 612i:

- S.W. changed from YACHTPLUS-S01A\_DORO612i\_L18EN\_200\_131011 to YACHTPLUS02A-S01A\_DORO613\_L18EN\_103\_140429
- ◆ LCD changed from TXDT240TQ-76V23(doro612i LCD) to TXDT240SQ-163V6(doro613 LCD)
- ◆ ID design and color changed
- ◆ Battery changed from SHELL01A to DBF-800B
- ◆ Microphone change from ACMG4013-05S-422-001 to EM4013SMT-42BC6.8nF&r330-G
- ◆ Cradle changed

Except Listings above, the others are the same as previous version.

Should you have any questions or comments regarding this matter, please have my best attention.

Sincerely yours,

lixin

Contact Person: Xin Li

**Applicant:** CK TELECOM LTD.

**Tel:** +86-755-26739633 **Fax:** +86-755-26739500

E-Mail: xin.li@ck-telecom.com