

Report No: JYTSZB-R01-2100808

# FCC REPORT

Applicant:	Yulong Computer Telecommunication Scientific (Shenzhen) Co. Ltd
Address of Applicant:	Floor 21, Block A, Coolpad Building North High-Tech Industrial Park, Nanshan District
Equipment Under Test (E	EUT)
Product Name:	4G Smart Phone
Model No.:	C203
Trade mark:	Coolpad
FCC ID:	R38YLCPC203
Applicable standards:	FCC CFR Title 47 Part 15 Subpart B
Date of sample receipt:	24 Nov., 2021
Date of Test:	25 Nov., to 03 Jan., 2022
Date of report issued:	04 Jan., 2022
Test Result:	PASS *

\* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the JYT product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



#### Version 2

Version No.	Date	Description
00	04 Jan., 2022	Original

Tested by:

Janet Wei Test Engineer Winner Mang Project Engineer

04 Jan., 2022 Date:

Date:

04 Jan., 2022

Reviewed by:

Project No.: JYTSZE2111090



# 3 Contents

		Pa	ge
1	С	OVER PAGE	1
2	v	ERSION	2
3	С	ONTENTS	3
4		EST SUMMARY	
<del>1</del> 5			
	5.1	CLIENT INFORMATION	5
	5.2	GENERAL DESCRIPTION OF E.U.T.	5
	5.3	Test Mode and test samples plans	
	5.4	MEASUREMENT UNCERTAINTY	
	5.5	DESCRIPTION OF SUPPORT UNITS	-
	5.6 5.7	Related Submittal(s) / Grant (s) Description of Cable Used	
	5.7 5.8	Additions to, deviations, or exclusions from the method	
	5.9	LABORATORY FACILITY	
	5.10	LABORATORY LOCATION	
	5.11	Test Instruments list	
6	т	EST RESULTS AND MEASUREMENT DATA	8
	6.1	CONDUCTED EMISSION	
	6.2	RADIATED EMISSION	11
7	т	EST SETUP PHOTO	16
8	E	UT CONSTRUCTIONAL DETAILS	17



# 4 Test Summary

Test Item	Section in CFR 47	Result		
Conducted Emission	Part 15.107	Pass		
Radiated Emission	Part 15.109	Pass		
Remark:				
1. Pass: The EUT complies with the essential requirements in the standard.				
Test Method: ANSI C63.4:2014				



# **5** General Information

## **5.1 Client Information**

Applicant:	Yulong Computer Telecommunication Scientific (Shenzhen) Co. Ltd
Address:	Floor 21, Block A, Coolpad Building North High-Tech Industrial Park, Nanshan District
Manufacturer/Factory:	Mobiwire Mobiles(NongBo) Co.,Ltd.
Address:	No.999 DaCheng East Road, Fenghua Zhejiang, China

## 5.2 General Description of E.U.T.

Product Name:	4G Smart Phone
Model No.:	C203
Power supply:	Rechargeable Li-ion Battery DC3.85V, 3900mAh
AC adapter:	Model: A8A-050200U-US1
	Input: AC100-240V, 50/60Hz, 0.35A
	Output: DC 5.0V, 2A
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

## 5.3 Test Mode and test samples plans

e Detail description	
Keep the EUT in Downloading mode(Worst case)	
Keep the EUT in Charging+Recording mode	
Keep the EUT in Charging+Playing mode	
Keep the EUT in FM receiver mode	
Keep the EUT in GPS receiver mode	

The sample was placed 0.8m above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

## 5.4 Measurement Uncertainty

Parameter	Expanded Uncertainty (Confidence of 95%)
Conducted Emission (9kHz ~ 150KHz) for V-AMN	3.11 dB
Conducted Emission (150kHz ~ 30MHz) for V-AMN	2.62 dB
Conducted Emission (150kHz ~ 30MHz) for AAN	3.54 dB
Radiated Emission (9kHz ~ 30MHz electric field) for 3m SAC	3.13 dB
Radiated Emission (9kHz ~ 30MHz magnetic field) for 3m SAC	3.13 dB
Radiated Emission (30MHz ~ 1GHz) for 3m SAC	4.45 dB
Radiated Emission (1GHz ~ 18GHz) for 3m SAC	5.34 dB
Radiated Emission (18GHz ~ 40GHz) for 3m SAC	5.34 dB
Radiated Emission (30MHz ~ 1GHz) for 10m SAC	4.32 dB

## 5.5 Description of Support Units

Manufacturer	Description	Model	S/N	FCC ID/DoC
Lenovo	Laptop	ThinkPad T14 Gen 1	SL10Z47277	DoC

JianYan Testing Group Shenzhen Co., Ltd.

No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China. Telephone: +86 (0) 755 23118282 Fax: +86 (0) 755 23116366 Project No.: JYTSZE2111090



HP Printer	HP LaserJet P1007	VNFP409729	DoC
------------	-------------------	------------	-----

## 5.6 Related Submittal(s) / Grant (s)

This is an original grant, no related submittals and grants.

## 5.7 Description of Cable Used

Cable Type	Description	Length	From	То
Detached USB Cable	Shielding	1.0m	EUT	PC/Adapter
Detached headset cable	Unshielded	1.22m	EUT	Headset

## 5.8 Additions to, deviations, or exclusions from the method

## 5.9 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### • FCC - Designation No.: CN1211

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

#### • ISED – CAB identifier.: CN0021

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

#### • CNAS - Registration No.: CNAS L15527

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

#### • A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <u>https://portal.a2la.org/scopepdf/4346-01.pdf</u>

## **5.10 Laboratory Location**

JianYan Testing Group Shenzhen Co., Ltd. Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China. Tel: +86-755-23118282, Fax: +86-755-23116366 Email: info-JYTee@lets.com, Website: <u>http://www.ccis-cb.com</u>



## 5.11 Test Instruments list

Radiated Emission:					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
3m SAC	ETS	RFD-100	Q1984	04-14-2021	04-13-2024
Loop Antenna	SCHWARZBECK	FMZB 1519 B	1519B-044	03-07-2021	03-06-2022
BiConiLog Antenna	SCHWARZBECK	VULB9163	9163-1246	03-07-2021	03-06-2022
Biconical Antenna	SCHWARZBECK	VUBA 9117	9117#359	06-17-2021	06-17-2022
Horn Antenna	SCHWARZBECK	BBHA9120D	912D-916	03-07-2021	03-06-2022
Broad-Band Horn Antenna	SCHWARZBECK	BBHA9170	1067	04-02-2021	04-01-2022
Broad-Band Horn Antenna	SCHWARZBECK	BBHA9170	1068	04-02-2021	04-01-2022
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-03-2021	03-02-2022
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-03-2021	03-02-2022
Spectrum analyzer	Keysight	N9010B	MY60240202	10-27-2021	10-26-2022
Simulated Station	Anritsu	MT8820C	6201026545	03-03-2021	03-02-2022
Low Pre-amplifier	SCHWARZBECK	BBV9743B	00305	03-07-2021	03-06-2022
High Pre-amplifier	SKET	LNPA_0118G-50	MF280208233	03-07-2021	03-06-2022
Cable	Qualwave	JYT3M-1G-NN-8M	JYT3M-1	03-07-2021	03-06-2022
Cable	Qualwave	JYT3M-18G-NN-8M	JYT3M-2	03-07-2021	03-06-2022
Cable	Qualwave	JYT3M-1G-BB-5M	JYT3M-3	03-07-2021	03-06-2022
Cable	Bost	JYT3M-40G-SS-8M	JYT3M-4	04-02-2021	04-01-2022
EMI Test Software	Tonscend	TS+		Version:3.0.0.1	
10m SAC	ETS	RFSD-100-F/A	Q2005	04-28-2021	04-27-2024
BiConiLog Antenna	SCHWARZBECK	VULB 9168	1249	04-02-2021	04-01-2022
BiConiLog Antenna	SCHWARZBECK	VULB 9168	1250	04-02-2021	04-01-2022
EMI Test Receiver	R&S	ESR 3	102800	04-08-2021	04-07-2022
EMI Test Receiver	R&S	ESR 3	102802	04-08-2021	04-07-2022
Low Pre-amplifier	Bost	LNA 0920N	2016	04-06-2021	04-05-2022
Low Pre-amplifier	Bost	LNA 0920N	2019	04-06-2021	04-05-2022
Cable	Bost	JYT10M-1G-NN-10M	JYT10M-1	04-02-2021	04-01-2022
Cable	Bost	JYT10M-1G-NN-10M	JYT10M-2	04-02-2021	04-01-2022
Test Software	R&S	EMC32	١	/ersion: 10.50.4	0

<b>Conducted Emission:</b>					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
EMI Test Receiver	Rohde & Schwarz	ESCI 3	101189	03-03-2021	03-02-2022
LISN	Schwarzbeck	NSLK 8127	QCJ001-13	03-18-2021	03-17-2022
LISN	Rohde & Schwarz	ESH3-Z5	843862/010	06-18-2020	06-17-2022
RF Switch	TOP PRECISION	RSU0301	N/A	03-03-2021	03-02-2022
Cable	Bost	JYTCE-1G-NN-2M	JYTCE-1	03-03-2021	03-02-2022
Cable	Bost	JYTCE-1G-BN-3M	JYTCE-2	03-03-2021	03-02-2022
EMI Test Software	AUDIX	E3	V	ersion: 6.110919	b





## 6 Test results and Measurement Data

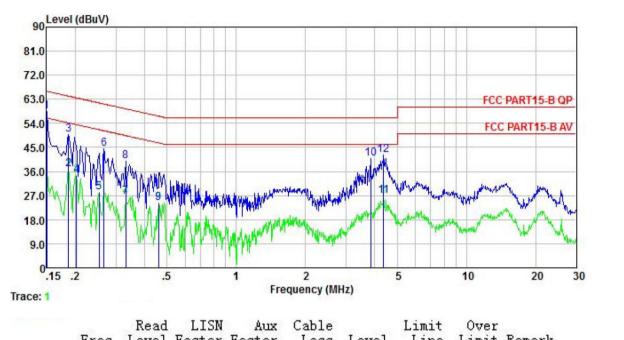
## 6.1 Conducted Emission

Test Requirement:	FCC Part 15 B Section 15.107		
Test Frequency Range:	150kHz to 30MHz		
Class / Severity:	Class B		
Receiver setup:	RBW=9kHz, VBW=30kHz		
Limit:	Frequency range (MHz)		(dBµV)
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5 0.5-30	56 60	46 50
	* Decreases with the logarithm		50
Test setup:	Reference Plane	or the frequency.	
Tost procedure	Test table/Insulation plane Remarkc E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m	EMI Receiver	
Test procedure	<ol> <li>The E.U.T and simulators are impedance stabilization netw coupling impedance for the n</li> <li>The peripheral devices are a LISN that provides a 50ohm/ termination. (Please refers to photographs).</li> <li>Both sides of A.C. line are interference. In order to fin positions of equipment and according to ANSI C63.4(la)</li> </ol>	rork(L.I.S.N.). The prov neasuring equipment. Iso connected to the m 50uH coupling impeda the block diagram of t checked for maximum d the maximum emission all of the interface cat	ide a 50ohm/50uH nain power through a nce with 50ohm the test setup and conducted on, the relative oles must be changed
Test Instruments:	Refer to section 5.11 for details		
Test mode:	Refer to section 5.3 for details		
Test results:	Pass		



#### Measurement data:

Product name:	4G Smart Phone	Product model:	C203
Test by:	Janet	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



	Freq	Level		Factor	Loss	Level	Limit	Limit	Remark
	MHz	dBu⊽	āĒ	<u>d</u> B	dB	dBu∛	dBu∛	āĒ	
1	0.150	48.33	10.22	0.00	0.01	58.56	66.00	-7.44	QP
2	0.186	26.48	10.23	0.00	0.02	36.73	54.20	-17.47	Average
3	0.186	39.54	10.23	0.00	0.02	49.79	64.20	-14.41	QP
4	0.202	24.40	10.23	0.00	0.04	34.67	53.54	-18.87	Average
5	0.253	18.11	10.25	0.00	0.01	28.37	51.64	-23.27	Average
1 2 3 4 5 6 7 8 9	0.266	34.29	10.25	0.00	0.02	44.56	61.25	-16.69	QP
7	0.330	16.35	10.27	0.00	0.02	26.64	49.44	-22.80	Average
8	0.330	29.62	10.27	0.00	0.02	39.91	59.44	-19.53	QP
9	0.459	13.94	10.29	0.00	0.03	24.26	46.71	-22.45	Average
10	3.840	30.24	10.38	0.00	0.08	40.70	56.00	-15.30	QP
11	4.361	16.38	10.40	0.00	0.08	26.86	46.00	-19.14	Average
12	4.361	31.56	10.40	0.00	0.08	42.04	56.00	-13.96	QP

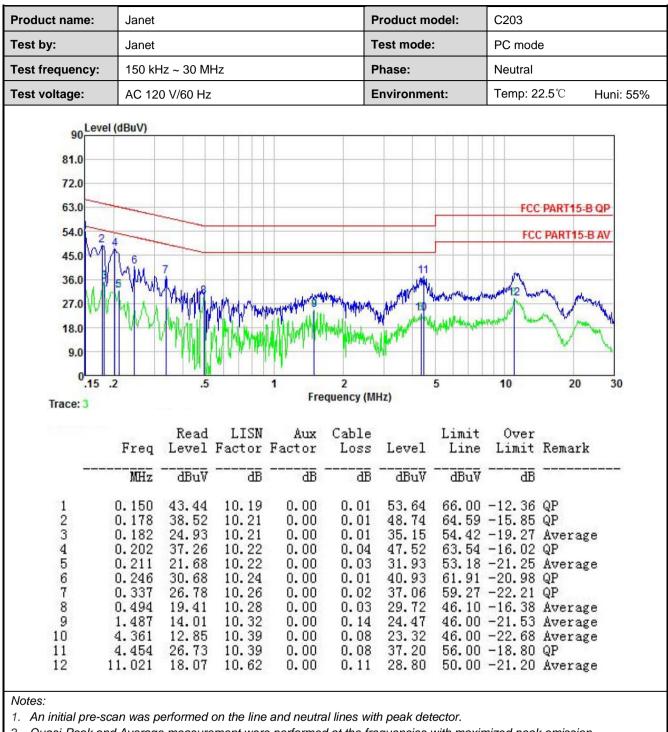
Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.

2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

3. Final Level =Receiver Read level + LISN Factor + Cable Loss.





2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



## 6.2 Radiated Emission

Test Requirement:	FCC Part 15 B Se	ection 15.10	9			
Test Frequency Range:	30MHz to 6000MI	Hz				
Test site:	Measurement Dis	tance: 3m o	or 10	m (Semi-An	echoic Cha	imber)
Receiver setup:	Frequency	Detecto	r	RBW	VBW	Remark
	30MHz-1GHz	Quasi-pea	ak	120kHz	300kHz	Quasi-peak Value
		Peak		1MHz	3MHz	Peak Value
	Above 1GHz	RMS		1MHz	3MHz	Average Value
Limit:	Frequenc	;y	Lim	it (dBuV/m @	210m)	Remark
	30MHz-88N	/Hz		30.0		Quasi-peak Value
	88MHz-216			33.5		Quasi-peak Value
	216MHz-960			36.0		Quasi-peak Value
	960MHz-1G	SHz		44.0		Quasi-peak Value
	Frequenc	;y	Lim	nit (dBuV/m	@3m)	Remark
	Above 1G	H7 -		54.0		Average Value
		12		74.0		Peak Value
Test setup:	Below 1GHz	4m 4m 1m			Antenna Tov Search Antenna RF Test Receiver	wer
				Horn Antenna Horn Antenna erce Plane	Antenna Tower	
Test Procedure:	ground at a 1 1GHz). The t the highest ra 2. The EUT was	I 0 meter cha able was ro adiation. s set 10 met	ambe tatec ters(	er (below 1G 1 360 degree below 1GHz	GHz)or 3 me es to deterr	.8 meters above the eter chamber(above nine the position of ers(above 1GHz) n was mounted on

Project No.: JYTSZE2111090



	the top of a variable-height antenna tower.
	3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
	4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
	5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test Instruments:	Refer to section 5.11 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	All of the observed value above 6GHz ware the niose floor , which were no recorded



#### Measurement Data:

Product Name:	4G Smart Phor	ne		Proc	duct Model:	C203		
est By:	Janet			Test	mode:	PC mo	ode	
Test Frequency:	30 MHz ~ 1 GH	Ηz		Pola	rization:	Vertica	al & Horiz	ontal
Fest Voltage:	AC 120/60Hz			Envi	ironment:	Temp:	<b>24</b> ℃	Huni: 57
			Full Spec	trum				
							Ola D. 10	
45						X PART 15 (	Class B 11	
40			******************************					
						*		
≥ 30-				*				
ੂ ਬੁੱਧੇ <b>-</b>						*		51
<u>⊨</u> 20		<b>•</b>				<b>T</b> IPP''		
Level in dBµV/							CINE CONTRACTOR	
		¢				Hard Barris		
	winter all all and a second				And the second se			
10-	WHAT I HAVE AND A							
	50 60	80 100	M	200	300 400		800	
10	50 60	80 100		200 Incy in Hz			800	
10	50 60	80 100					800	
10	50 60	80 100					800	
10 			Freque	ncy in Hz	300 400	) 500		
10		80 100					800 Corr. (dB/m)	
10 0 30M Frequenc (MHz) 64.53	y MaxPeak (dB µ V/m) 2000 20.16	Limit (dB	Freque Margin (dB) 9.84	ncy in Hz Height (cm) 100.0	300 400	Azimuth (deg) 93.0	Corr. (dB/m)	17.2
10 0 30M Frequenc (MHz) 64.53 240.00	y MaxPeak (dB µ V/m) 2000 20.16 5000 26.54	Limit (dB	Freque Margin (dB) 9.84 9.46	ncy in Hz Height (cm) 100.0 100.0	300 400	Azimuth (deg) 93.0 163.0	Corr. (dB/m) -1	17.2
10 0 30M Frequenc (MHz) 64.53	y MaxPeak (dB µ V/m) 2000 20.16 5000 26.54 3000 32.80	Limit (dB µ V/m) 30.00 36.00 36.00	Freque Margin (dB) 9.84 9.46 3.20	Height (cm) 100.0 100.0 100.0	300 400	Azimuth (deg) 93.0 163.0 256.0	Corr. (dB/m) -1	17.2 15.7 -9.7
10 0 30M Frequenc (MHz) 64.53 240.00 479.98	y MaxPeak (dB µ V/m) 2000 20.16 5000 26.54 3000 32.80 6000 21.24	Limit (dB	Freque Margin (dB) 9.84 9.46	ncy in Hz Height (cm) 100.0 100.0	300 400	Azimuth (deg) 93.0 163.0	Corr. (dB/m) -1	17.2



#### Above 1GHz:

	e: 40	G Smart Phon	е		Produc	t Model:	C203		
est By:	Ja	anet			Test m	ode:	PC mo	ode	
est Frequen	<b>cy:</b> 1	GHz ~ 6 GHz			Polariz	ation:	Vertical		
est Voltage: AC 120/60Hz				Environment:			Temp: 22.2℃ Huni: 55%		
110 100 90 80 70 60 50 40	2		4	FCC PART	15 B	10 9 9 11 June - June June June June June June June June		FCC PART 15 B-PK Limit	
30 1 20 10 10 1G	– PK Limit – PK Detector	AV Limit V AV Detector	2G ertical PK — Vertica	Frequency	3G [Hz]		4G	5G 6G	
20 10 1G						Margin [dB]	4G Trace	5G 6G Polarity	
20 10 13	Freq. [MHz]	AV Detector      Reading [dBµV/m]	ertical PK — Vertica Level [dBµV/m]	Factor [dB]	Limit	Margin [dB]	Trace	Polarity	
20 10 10 10	PK Detector	AV Detector     Reading	ertical PK — Vertica	Factor	[Hz]	Margin			
20 10 10 10 10 10 10 10	Freq. [MHz] 1000.00	AV Detector      Reading [dBµV/m]      50.36	ertical PK — Vertica Level [dBµV/m] 28.83	Factor [dB] -21.53	Hz] Limit [dBµV/m] 54.00	Margin [dB] 25.17	Trace	Polarity Vertical	
20 10 13 10 10 10 10 10 10 10 10 10 10 10 10 10	Freq. [MHz] 1000.00 1044.37	<ul> <li>AV Detector</li> <li>Reading         [dBµV/m] 50.36 58.64       </li> </ul>	ertical PK — Vertica Level [dBµV/m] 28.83 36.41	Factor [dB] -21.53 -22.23	Limit [dBµV/m] 54.00 74.00	Margin [dB] 25.17 37.59	Trace AV PK	Polarity Vertical Vertical	
20 10 10 10 10 10 10 10 10 10 10 10 10 10	Freq. [MHz] 1000.00 1044.37 1694.37	<ul> <li>AV Detector</li> <li>Reading         [dBµV/m]         50.36         58.64         54.32         </li> </ul>	ertical PK — Vertica [dBµV/m] 28.83 36.41 32.49	Factor [dB] -21.53 -22.23 -21.83	Hz] Limit [dBµV/m] 54.00 74.00 54.00	Margin [dB] 25.17 37.59 21.51	Trace AV PK AV	Polarity Vertical Vertical Vertical	
20 10 10 10 10 10 10 10 10 10 10 10 10 10	Freq. [MHz] 1000.00 1044.37 1694.37 1695.62	<ul> <li>AV Detector</li> <li>Reading         [dBµV/m]         50.36         58.64         54.32         61.53         </li> </ul>	ertical PK — Vertica Level [dBµV/m] 28.83 36.41 32.49 39.70	Factor [dB] -21.53 -22.23 -21.83 -21.83	Hz] Limit [dBµV/m] 54.00 74.00 54.00 74.00	Margin [dB] 25.17 37.59 21.51 34.30	Trace AV PK AV PK	Polarity Vertical Vertical Vertical Vertical	
20 10 10 16 NO. 1 2 3 4 5	Freq. [MHz] 1000.00 1044.37 1694.37 1695.62 2431.87	<ul> <li>AV Detector</li> <li>Reading         [dBµV/m]         50.36         58.64         54.32         61.53         54.76         </li> </ul>	ertical PK — Vertica [dBµV/m] 28.83 36.41 32.49 39.70 36.03	Factor [dB] -21.53 -22.23 -21.83 -21.83 -18.73	Limit [dBµV/m] 54.00 74.00 54.00 74.00 54.00	Margin [dB] 25.17 37.59 21.51 34.30 17.97	Trace AV PK AV PK AV	Polarity Vertical Vertical Vertical Vertical	
20 10 10 16 NO. 1 2 3 4 5 6	PK Detector           Freq.           [MHz]           1000.00           1044.37           1694.37           1695.62           2431.87           2437.50	<ul> <li>AV Detector</li> <li>Reading [dBµV/m]</li> <li>50.36</li> <li>58.64</li> <li>54.32</li> <li>61.53</li> <li>54.76</li> <li>61.80</li> </ul>	ertical PK — Vertica [dBµV/m] 28.83 36.41 32.49 39.70 36.03 43.08	Factor [dB] -21.53 -22.23 -21.83 -21.83 -18.73 -18.72	Hz] Limit [dBµV/m] 54.00 74.00 54.00 74.00 54.00 74.00	Margin [dB] 25.17 37.59 21.51 34.30 17.97 30.92	Trace AV PK AV PK AV PK	Polarity Vertical Vertical Vertical Vertical Vertical	
20 10 10 13 10 10 10 10 10 10 10 10 10 10 10 10 10	PK Detector           Freq.           [MHz]           1000.00           1044.37           1695.62           2431.87           2437.50           2540.00           2541.25	<ul> <li>AV Detector</li> <li>Reading         <ul> <li>[dBµV/m]</li> <li>50.36</li> <li>58.64</li> <li>54.32</li> <li>61.53</li> <li>54.76</li> <li>61.80</li> <li>57.46</li> <li>64.36</li> </ul> </li> </ul>	ertical PK — Vertica [dBµV/m] 28.83 36.41 32.49 39.70 36.03 43.08 39.07 45.98	Factor [dB] -21.53 -22.23 -21.83 -21.83 -18.73 -18.73 -18.79 -18.39 -18.38	Hz] Limit [dBµV/m] 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00	Margin [dB] 25.17 37.59 21.51 34.30 17.97 30.92 14.93 28.02	Trace AV PK AV PK AV PK AV PK	Polarity Vertical Vertical Vertical Vertical Vertical Vertical Vertical	
20 10 10 13 NO. 1 2 3 4 5 6 7 8	PK Delector           Freq.           [MHz]           1000.00           1044.37           1694.37           1695.62           2431.87           2437.50           2540.00	<ul> <li>AV Detector</li> <li>Reading         [dBµV/m]         50.36         58.64         54.32         61.53         54.76         61.80         57.46         </li> </ul>	ertical PK — Vertica [dBµV/m] 28.83 36.41 32.49 39.70 36.03 43.08 39.07	Factor [dB] -21.53 -22.23 -21.83 -21.83 -18.73 -18.73 -18.72 -18.39 -18.38 -15.21	Hz] Limit [dBµV/m] 54.00 74.00 54.00 74.00 54.00 74.00 54.00	Margin [dB] 25.17 37.59 21.51 34.30 17.97 30.92 14.93	Trace AV PK AV PK AV PK AV	Polarity Vertical Vertical Vertical Vertical Vertical Vertical	
20 10 10 13 NO. 1 2 3 4 5 6 7 7 8 9	PK Detector           Freq.           [MHz]           1000.00           1044.37           1695.62           2431.87           2437.50           2541.25           3418.75	<ul> <li>AV Detector</li> <li>Reading         [dBµV/m]         50.36         58.64         54.32         61.53         54.76         61.80         57.46         64.36         61.71</li> </ul>	ertical PK — Vertica [dBµV/m] 28.83 36.41 32.49 39.70 36.03 43.08 39.07 45.98 46.50	Factor [dB] -21.53 -22.23 -21.83 -21.83 -18.73 -18.73 -18.79 -18.39 -18.38	Limit [dBµV/m] 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00 54.00 74.00	Margin [dB] 25.17 37.59 21.51 34.30 17.97 30.92 14.93 28.02 7.50	Trace AV PK AV PK AV PK AV PK AV	Polarity Vertical Vertical Vertical Vertical Vertical Vertical Vertical Vertical	



Test By: Test Frequency		Smart Phone	9		Produc	t Model:	C203			
Test Frequency	Ja	net			Test m	ode:	PC mc	ode		
	<b>y:</b> 1 (	1 GHz ~ 6 GHz			Polariz	ation:	Horizo	Horizontal		
Test Voltage:	AC	2 120/60Hz	<b>Environment:</b> Temp: 22.2°C			22.2℃ ŀ	luni: 55%			
110 100 90 80 70 60 50 40 30 1 20 10		Server of the		FCC PART	15 B	8 	10.	FCC PART 15 B-PK		
0 1G			2G	Frequency	3G Hz]		4G	5G	6G	
0 1G	PK Limit PK Detector Freq. [MHz]	AV Detector     Reading	orizontal PK – Hori Level	zontal AV Factor	Limit	Margin	4G Trace	5G Polarity		
0 1G NO.	PK Detector Freq. [MHz]	<ul> <li>AV Detector</li> <li>Reading</li> <li>[dBµV/m]</li> </ul>	orizontal PK — Hori Level [dBµV/m]	Factor	Limit	Margin [dB]	Trace	Polarity		
NO.	PK Detector Freq. [MHz] 1009.37	<ul> <li>AV Detector</li> <li>Reading</li> <li>[dBµV/m]</li> <li>50.09</li> </ul>	Level [dBµV/m] 28.41	Factor [dB] -21.68	Limit [dBµV/m] 54.00	Margin [dB] 25.59	Trace	Polarity Horizont	al	
0 1G NO. 1 2	PK Detector Freq. [MHz] 1009.37 1266.25	• AV Detector Reading [dBµV/m] 50.09 59.77	Level [dBµV/m] 28.41 36.47	Factor [dB] -21.68 -23.30	Limit [dBµV/m] 54.00 74.00	Margin [dB] 25.59 37.53	Trace AV PK	Polarity Horizont Horizont	al	
NO.	PK Detector Freq. [MHz] 1009.37 1266.25 1695.62	• AV Detector Reading [dBµV/m] 50.09 59.77 60.51	Level [dBµV/m] 28.41 36.47 38.68	Factor [dB] -21.68 -23.30 -21.83	Limit [dBµV/m] 54.00 74.00 74.00	Margin [dB] 25.59 37.53 35.32	Trace AV PK PK	Polarity Horizont Horizont Horizont	al al	
NO.	PK Detector Freq. [MH2] 1009.37 1266.25 1695.62 1781.87	<ul> <li>AV Detector</li> <li>Reading         <ul> <li>(dBµV/m)</li> <li>50.09</li> <li>59.77</li> <li>60.51</li> <li>54.88</li> </ul> </li> </ul>	Level [dBµV/m] 28.41 36.47 38.68 33.41	Factor [dB] -21.68 -23.30 -21.83 -21.47	Limit [dBµV/m] 54.00 74.00	Margin [dB] 25.59 37.53	Trace AV PK PK AV	Polarity Horizont Horizont Horizont Horizont	al al al	
NO.	PK Detector Freq. [MHz] 1009.37 1266.25 1695.62	• AV Detector Reading [dBµV/m] 50.09 59.77 60.51	Level [dBµV/m] 28.41 36.47 38.68	Factor [dB] -21.68 -23.30 -21.83	Limit [dBµV/m] 54.00 74.00 74.00 54.00	Margin [dB] 25.59 37.53 35.32 20.59	Trace AV PK PK	Polarity Horizont Horizont Horizont Horizont	al al al al al	
NO.	PK Detector Freq. [MH2] 1009.37 1266.25 1695.62 1781.87 2413.75	<ul> <li>AV Detector</li> <li>Reading         <ul> <li>[dBµV/m]</li> <li>50.09</li> <li>59.77</li> <li>60.51</li> <li>54.88</li> <li>59.77</li> </ul> </li> </ul>	Level [dBµV/m] 28.41 36.47 38.68 33.41 41.00	Factor [dB] -21.68 -23.30 -21.83 -21.47 -18.77	Limit [dBµV/m] 54.00 74.00 74.00 54.00 74.00	Margin [dB] 25.59 37.53 35.32 20.59 33.00	Trace AV PK PK AV PK	Polarity Horizont Horizont Horizont Horizont	al al al al al al	
NO. 1 1 1 1 1 1 1 2 3 4 5 2 5 2 5 2 7 3	PK Detector Freq. [MHz] 1009.37 1266.25 1695.62 1781.87 2413.75 2431.25	<ul> <li>AV Detector</li> <li>Reading         [dBµV/m] 50.09 59.77 60.51 54.88 59.77 51.90         </li> </ul>	Level [dBµV/m] 28.41 36.47 38.68 33.41 41.00 33.17	Factor [dB] -21.68 -23.30 -21.83 -21.47 -18.77 -18.73	Limit [dBµV/m] 54.00 74.00 74.00 54.00 74.00 54.00	Margin [dB] 25.59 37.53 35.32 20.59 33.00 20.83	Trace AV PK PK AV PK AV	Polarity Horizont Horizont Horizont Horizont Horizont	al al al al al al	
NO. 1 2 3 4 5 6 7 8	PK Delector Freq. [MHz] 1009.37 1266.25 1695.62 1781.87 2413.75 2431.25 3102.50	AV Detector Reading [dBµV/m] 50.09 59.77 60.51 54.88 59.77 51.90 50.87	Level [dBµV/m] 28.41 36.47 38.68 33.41 41.00 33.17 34.92	Factor [dB] -21.68 -23.30 -21.83 -21.47 -18.77 -18.73 -15.95	Limit [dBµV/m] 54.00 74.00 74.00 54.00 54.00 54.00 54.00	Margin [dB] 25.59 37.53 35.32 20.59 33.00 20.83 19.08	Trace AV PK PK AV PK AV AV	Polarity Horizont Horizont Horizont Horizont Horizont Horizont	al al al al al al al al	
NO. 1 2 3 4 5 6 7 8 9 4	PK Detector Freq. [MHz] 1009.37 1266.25 1695.62 1781.87 2413.75 2431.25 3102.50 3203.75	AV Detector Reading [dBµV/m] 50.09 59.77 60.51 54.88 59.77 51.90 50.87 59.13	Level [dBµV/m] 28.41 36.47 38.68 33.41 41.00 33.17 34.92 43.21	Factor [dB] -21.68 -23.30 -21.83 -21.47 -18.77 -18.73 -15.95 -15.92	Limit [dBµV/m] 54.00 74.00 74.00 54.00 74.00 54.00 54.00 54.00 74.00	Margin [dB] 25.59 37.53 35.32 20.59 33.00 20.83 19.08 30.79	Trace AV PK PK AV PK AV AV AV	Polarity Horizont Horizont Horizont Horizont Horizont Horizont Horizont	al al al al al al al al	
NO. 1 2 3 4 5 6 7 8 9 4 10	PK Detector Freq. [MHz] 1009.37 1266.25 1695.62 1781.87 2413.75 2431.25 3102.50 3203.75 4233.75	<ul> <li>AV Detector</li> <li>Reading         [dBµV/m]         50.09         59.77         60.51         54.88         59.77         51.90         50.87         59.13         53.06</li> </ul>	Level [dBµV/m] 28.41 36.47 38.68 33.41 41.00 33.17 34.92 43.21 41.24	Factor [dB] -21.68 -23.30 -21.83 -21.47 -18.77 -18.73 -15.95 -15.92 -11.82	Limit [dBµV/m] 54.00 74.00 74.00 54.00 54.00 54.00 54.00 74.00 54.00	Margin [dB] 25.59 37.53 35.32 20.59 33.00 20.83 19.08 30.79 12.76	Trace AV PK PK AV PK AV AV PK AV	Polarity Horizont Horizont Horizont Horizont Horizont Horizont Horizont	al al al al al al al al al al	