Report No: CCISE181114005

FCC REPORT

Applicant: Garbarino SA

Address of Applicant: Bolivar 874. CABA (1066)

Equipment Under Test (EUT)

Product Name: Smart phone

Model No.: D5001

Trade mark: Datsun

FCC ID: 2ART5DATSUN-D5001

Applicable standards: FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: 29 Nov., 2018

Date of Test: 29 Nov., to 11 Dec., 2018

Date of report issued: 11 Dec., 2018

Test Result: PASS *

Authorized Signature:



Bruce Zhang Laboratory Manager

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 CCIS 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.

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^{*} In the configuration tested, the EUT complied with the standards specified above.





2 Version

Version No.	Date	Description
00	11 Dec., 2018	Original

Tested by: 11 Dec., 2018

Test Engineer

Reviewed by: Date: 11 Dec., 2018

Project Engineer





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4 Test Summary

Test Item	Section in CFR 47	Result
Conducted Emission	Part 15.107	Pass
Radiated Emission	Part 15.109	Pass

Remark

Pass: The EUT complies with the essential requirements in the standard.

N/A: The EUT not applicable of the test item.



5 General Information

5.1 Client Information

Applicant:	Garbarino SA
Address of Applicant:	Bolivar 874. CABA (1066)
Manufacturer/Factory:	Shenzhen LEAGOO Intelligence Co., Limited.
Address:	2nd Floor of Building B, HongLianYing Technology Park, No.286 of SiLi Road, DaBuXiang Community, Longhua New District, Shenzhen, China

Report No: CCISE181114005

5.2 General Description of E.U.T.

Product Name:	Smart phone
Model No.:	D5001
Power supply:	Rechargeable Li-ion Battery DC3.8V-2000mAh
AC adapter :	Adapter 1: Model: ES007-U050100XOE Input: AC100-240V, 50/60Hz, 0.3A Output: DC 5.0V, 1000mA Adapter 2: Model: HJ-0501000B3-AR Input: AC100-240V, 50/60Hz, 0.15A Output: DC 5.0V, 1000mA
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

5.3 Test Mode

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

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±2.22 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±2.76 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.28 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.72 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±2.88 dB (k=2)

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

Bao'an District, Shenzhen, Guangdong, China

Telephone: +86 (0) 755 2311 8282 Fax: +86 (0) 755 2311 6366



Report No: CCISE181114005

5.5 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
DELL	PC	OPTIPLEX745	N/A	DoC
DELL	MONITOR	E178FPC	N/A	DoC
DELL	KEYBOARD	SK-8115	N/A	DoC
DELL	MOUSE	MOC5UO	N/A	DoC
LENOVO	Laptop	SL510	2847A65	DoC

5.6 Related Submittal(s) / Grant (s)

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

5.7 Laboratory Facility

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

FCC - Registration No.: 727551

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

• IC - Registration No.: 10106A-1

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing 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 L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

5.8 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

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Telephone: +86 (0) 755 2311 8282 Fax: +86 (0) 755 2311 6366



5.9 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	SAEMC	9m*6m*6m	966	07-22-2017	07-21-2020	
Loop Antenna	SCHWARZBECK	FMZB1519B	00044	03-16-2018	03-15-2019	
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-16-2018	03-15-2019	
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-16-2018	03-15-2019	
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2017	06-21-2020	
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-21-2018	11-20-2019	
EMI Test Software	AUDIX	E3	Version: 6.110919b		b	
Pre-amplifier	HP	8447D	2944A09358	03-07-2018	03-06-2019	
Pre-amplifier	CD	PAP-1G18	11804	03-07-2018	03-06-2019	
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-07-2018	03-06-2019	
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-21-2018	11-20-2019	
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-07-2018	03-06-2019	
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-07-2018	03-06-2019	
Cable	MICRO-COAX	MFR64639	K10742-5	03-07-2018	03-06-2019	
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2018	03-06-2019	

Conducted Emission:					
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-07-2018	03-06-2019
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-07-2018	03-06-2019
LISN	CHASE	MN2050D	1447	03-19-2018	03-18-2019
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2018	07-20-2019
Cable	HP	10503A	N/A	03-07-2018	03-06-2019
EMI Test Software	AUDIX	E3	Version: 6.110919b		



6 Test results and Measurement Data

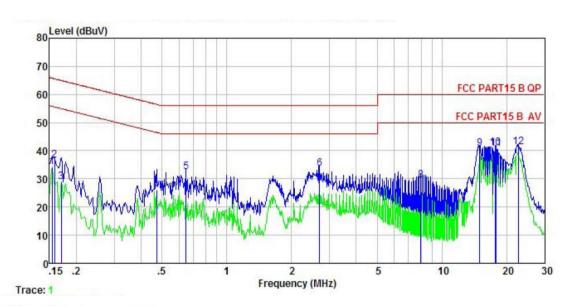
6.1 Conducted Emission

Test Requirement:	FCC Part 15 B Section 15.10	FCC Part 15 B Section 15.107			
Test Method:	ANSI C63.4:2014				
Test Frequency Range:	150kHz to 30MHz				
Class / Severity:	Class B				
Receiver setup:	RBW=9kHz, VBW=30kHz				
Limit:	Fraguency range (MHz)	Lir	mit (dBµV)		
	Frequency range (MHz) Quasi-peak Avera				
	0.15-0.5	66 to 56*	56 to 46*		
	0.5-5	56	46		
	0.5-30	60	50		
	* Decreases with the logarith				
Test setup:	Reference Plan	ne			
	AUX Filter AC power Equipment E.U.T Remark: E U T Equipment Under Test LISN Line impedence Stabilization Network Test table height=0.8m				
Test procedure	 The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement. 				
Test environment:	Temp.: 23 °C Humid.: 56% Press.: 101kPa				
Test Instruments:	Refer to section 5.9 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Pass				



Measurement data:

Product name:	Smart phone	Product model:	D5001
Test by:	Caffrey	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%



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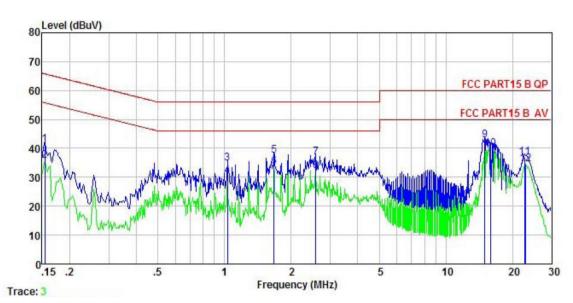
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu∀	₫B	₫B	dBu₹	dBu∜	<u>d</u> B	
1	0.154	23.40	0.18	10.78	34.36			Average
2	0.158	25.67	0.17	10.77	36.61	65.56	-28.95	QP
3	0.170	18.01	0.17	10.77	28.95	54.94	-25.99	Average
4	0.471	15.02	0.12	10.75	25.89			Average
5	0.647	21.54	0.13	10.77	32.44	56.00	-23.56	QP
6	2.707	22.47	0.16	10.93	33.56	56.00	-22.44	QP
1 2 3 4 5 6 7 8 9	2.707	16.34	0.16	10.93	27.43			Average
8	7.977	18.46	0.28	10.85	29.59			Average
9	14.986	29.45	0.32	10.90	40.67		-19.33	
10	17.755	29.85	0.29	10.92	41.06		-18.94	
11	17.849	29.43	0.29	10.92	40.64			Average
12	22.655	30.11	0.31	10.90	41.32		-18.68	

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.



Product name:	Smart phone	Product model:	D5001
Test by:	Caffrey	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



Remark

	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
-	MHz	dBu∀	₫B	<u>dB</u>	dBu∀	dBu∜	<u>d</u> B	
1	0.154	29.70	0.98	10.78	41.46	65.78	-24.32	QP
2	0.154	24.05	0.98	10.78	35.81	55.78	-19.97	Average
3	1.032	23.12	0.97	10.87	34.96	56.00	-21.04	QP
1 2 3 4 5 6 7 8 9	1.032	18.66	0.97	10.87	30.50	46.00	-15.50	Average
5	1.671	25.46	0.98	10.94	37.38		-18.62	
6	1.671	21.59	0.98	10.94	33.51	46.00	-12.49	Average
7	2.581	25.05	0.99	10.93	36.97	56.00	-19.03	QP
8	2.581	20.34	0.99	10.93	32.26	46.00	-13.74	Average
9	14.986	31.09	0.90	10.90	42.89	60.00	-17.11	QP
10	15.885	28.21	0.86	10.91	39.98	50.00	-10.02	Average
11	22.655	25.36	0.68	10.90	36.94	60.00	-23.06	QP
12	22.896	22.88	0.68	10.89	34.45	50.00	-15.55	Average

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.



6.2 Radiated Emission

Test Frequency Range: Test site: Receiver setup: Limit:	NSI C63.4:201 0MHz to 6000I leasurement D Frequency 0MHz-1GHz Above 1GHz Frequenc 30MHz-88M 88MHz-216M 216MHz-960 960MHz-1G Above 1GHz	MHz Distance: Quasi- Pea RM Y MHz MHz MHz GHz	ctor peak ak IS	mi-Anechoi RBW 120kHz 1MHz 1MHz (dBuV/m @ 40.0 43.5 46.0 54.0 54.0 74.0	VBW 300kH 3MH 3MH	V Hz (lz lz l	Remark Quasi-peak Value Peak Value Average Value Remark lasi-peak Value lasi-peak Value lasi-peak Value lasi-peak Value
Test site: Receiver setup: 3 Limit:	Frequency OMHz-1GHz Above 1GHz Frequenc 30MHz-88M 88MHz-216M 216MHz-960 960MHz-1GH	Dete Quasi- Pea RM y MHz MHz MHz MHz	ctor peak ak IS	RBW 120kHz 1MHz 1MHz (dBuV/m @ 40.0 43.5 46.0 54.0	VBW 300kH 3MH 3MH	V Hz (lz lz l	Quasi-peak Value Peak Value Average Value Remark lasi-peak Value lasi-peak Value lasi-peak Value lasi-peak Value
Receiver setup: 3 Limit:	Frequency 60MHz-1GHz Above 1GHz Frequenc 30MHz-88M 88MHz-216M 216MHz-960 960MHz-1G Above 1GH	Dete Quasi- Pea RM y MHz MHz MHz MHz GHz	ctor peak ak IS	RBW 120kHz 1MHz 1MHz (dBuV/m @ 40.0 43.5 46.0 54.0	VBW 300kH 3MH 3MH	V Hz (lz lz l	Quasi-peak Value Peak Value Average Value Remark lasi-peak Value lasi-peak Value lasi-peak Value lasi-peak Value
Limit:	Frequence 30MHz-1GHz Frequence 30MHz-88M 88MHz-216M 216MHz-960 960MHz-1G	Quasi- Pea RM y MHz MHz MHz GHz	peak ak IS	120kHz 1MHz 1MHz (dBuV/m @ 40.0 43.5 46.0 54.0	300kH 3MH 3MH	Qu Qu Qu Qu	Quasi-peak Value Peak Value Average Value Remark lasi-peak Value lasi-peak Value lasi-peak Value lasi-peak Value
Limit:	Frequenc 30MHz-88M 88MHz-216M 216MHz-960 960MHz-1G Above 1GH	Pea RM Y MHz MHz MHz GHz	ak IS	1MHz 1MHz (dBuV/m @ 40.0 43.5 46.0 54.0	3MH:	Qu Qu Qu Qu	Peak Value Average Value Remark lasi-peak Value lasi-peak Value lasi-peak Value lasi-peak Value
Limit:	Frequenc 30MHz-88M 88MHz-216M 216MHz-960 960MHz-1G	RM MHz MHz MHz MHz	IS	1MHz (dBuV/m @ 40.0 43.5 46.0 54.0	3МН:	Qu Qu Qu Qu	Average Value Remark lasi-peak Value lasi-peak Value lasi-peak Value lasi-peak Value
Total	30MHz-88M 88MHz-216M 216MHz-960 960MHz-1G Above 1GH	MHz MHz MHz MHz GHz		(dBuV/m @ 40.0 43.5 46.0 54.0		Qu Qu Qu	Remark lasi-peak Value lasi-peak Value lasi-peak Value lasi-peak Value
Total	30MHz-88M 88MHz-216M 216MHz-960 960MHz-1G Above 1GH	MHz MHz MHz GHz	Liiiiit	40.0 43.5 46.0 54.0 54.0	(3111)	Qu Qu Qu	lasi-peak Value lasi-peak Value lasi-peak Value lasi-peak Value
Test setup:	88MHz-216M 216MHz-960 960MHz-1C Above 1GH	MHz MHz SHz		43.5 46.0 54.0 54.0		Qu Qu Qu	asi-peak Value asi-peak Value asi-peak Value
Test setup:	216MHz-960 960MHz-1G Above 1GH	MHz SHz		46.0 54.0 54.0		Qu Qu	asi-peak Value asi-peak Value
Test setup:	960MHz-1G Above 1GF	Hz		54.0 54.0		Qu	asi-peak Value
Test setup:	Above 1GI			54.0			
Test setup:		∃Z					
Test setup:	elow 1GHz						Peak Value
	Ground Plane — bove 1GHz	Am Am Im Im Am	3				





Test Procedure:	ground	at a 3 meter s	•	c camber. Th	ne table wa	ters above the s rotated 360
			neters away f mounted on t			
	ground	to determine al and vertica	s varied from the maximun al polarizatior	n value of the	field stren	
	and the	n the antenna	a was tuned to le was turned	o heights fror	m 1 meter t	
	5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.					
	limit spe EUT wo margin	cified, then to uld be report would be re-to	esting could b	oe stopped and the stopped and the emission one using pe	nd the peak ons that did eak, quasi-p	
Test environment:	Temp.:	25 °C	Humid.:	55%	Press.:	1 01kPa
Test Instruments:	Refer to section 5.9 for details					
Test mode:	Refer to se	ection 5.3 for	details			
Test results:	Passed					
Remark:	All of the observed value above 6GHz ware the niose floor , which were no recorded					

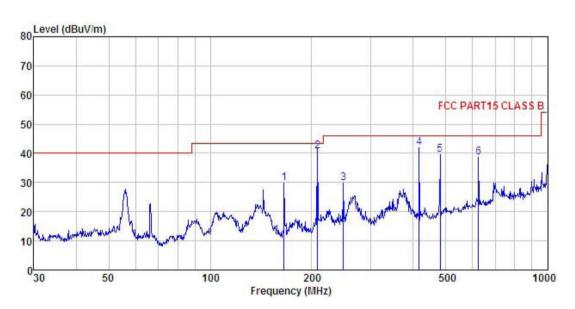




Measurement Data:

Below 1GHz:

Product Name:	Smart phone	Product model:	D5001
Test By:	Caffrey	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



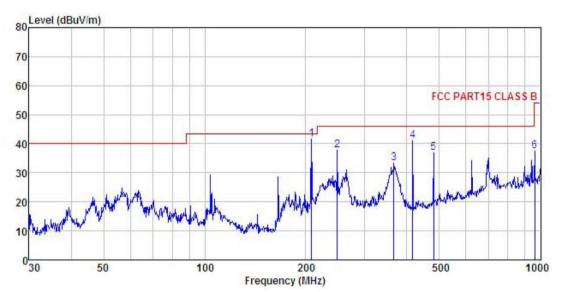
REMARK	: Frea		C Antenna Factor				Limit Line	Over	Remark
	rred	Peaci	ractor	LUSS	ractor	rever	Line	LIMIT	Kemark
	MHz	dBu∜	dB/m	₫B	₫B	dBuV/m	dBuV/m	<u>dB</u>	
1	165.487	46.93	9.27	2.62	29.09	29.73	43.50	-13.77	QP
2	207.850	54.94	11.81	2.86	28.78	40.83	43.50	-2.67	QP
2 3 4 5	248.552	42.38	13.25	2.81	28.55	29.89	46.00	-16.11	QP
4	416.179	51.96	15.70	3.12	28.81	41.97	46.00	-4.03	QP
5	480.528	48.17	16.97	3.46	28.92	39.68	46.00	-6.32	QP
6	625.078	44.08	19.51	3.90	28.86	38.63	46.00		11,273,000

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product Name:	Smart phone	Product model:	D5001
Test By:	Caffrey	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



EMARK			Antenna				Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBu∜			<u>dB</u>	$\overline{dBuV/m}$	dBuV/m	dB	
1	207.850	55.60	11.81	2.86	28.78	41.49	43.50	-2.01	QP
2	248.552	50.19	13.25	2.81	28.55	37.70	46.00	-8.30	QP
3	365.539	43.97	14.89	3.09	28.63	33.32	46.00	-12.68	QP
4	416.179	51.04	15.70	3.12	28.81	41.05	46.00	-4.95	QP
2 3 4 5 6	480.528	45.32	16.97	3.46	28.92	36.83	46.00	-9.17	QP
6	962.162	38.40	22.50	4.27	27.65	37.52	54.00	-16.48	QP

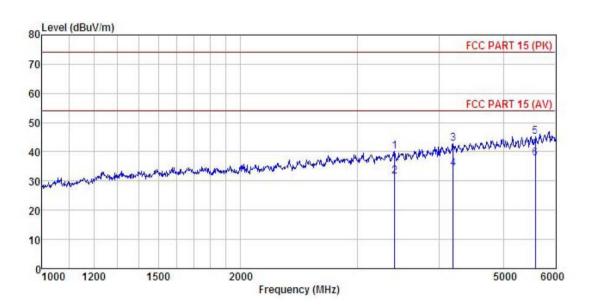
Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



Above 1GHz:

Product Name:	Smart phone	Product model:	D5001
Test By:	Caffrey	Test mode:	PC mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



REMARK	- 22
DEMMARK	
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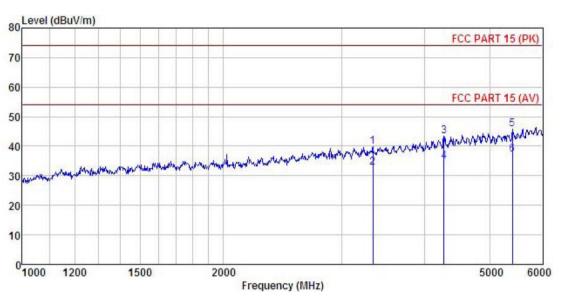
Freq						Limit Line	Over Limit	Remark
MHz	dBu∜	dB/m		dB	$\overline{dBuV/m}$	dBuV/m	<u>dB</u>	
3418.313	46.91	28.85	5.65	41.37	40.04	74.00	-33.96	Peak
3418.313	38.56	28.85	5.65	41.37	31.69	54.00	-22.31	Average
4192.963	47.68	30.56	6.39	41.81	42.82	74.00	-31.18	Peak
4192.963	39.20	30.56	6.39	41.81	34.34	54.00	-19.66	Average
5585.026	47.20	32.56	7.29	41.80	45.25	74.00	-28.75	Peak
5585.026	39.65	32.56	7.29	41.80	37.70	54.00	-16.30	Average
	Freq MHz 3418.313 3418.313 4192.963 4192.963	Read. Freq Level MHz dBuV 3418.313 46.91 3418.313 38.56 4192.963 47.68 4192.963 39.20 5585.026 47.20	ReadAntenna Freq Level Factor MHz dBuV dB/m 3418.313 46.91 28.85 3418.313 38.56 28.85 4192.963 47.68 30.56 4192.963 39.20 30.56 5585.026 47.20 32.56	ReadAntenna Cable Freq Level Factor Loss MHz dBuV dB/m dB 3418.313 46.91 28.85 5.65 3418.313 38.56 28.85 5.65 4192.963 47.68 30.56 6.39 4192.963 39.20 30.56 6.39 5585.026 47.20 32.56 7.29	ReadAntenna Cable Preamp Freq Level Factor Loss Factor MHz dBuV dB/m dB dB 3418.313 46.91 28.85 5.65 41.37 3418.313 38.56 28.85 5.65 41.37 4192.963 47.68 30.56 6.39 41.81 4192.963 39.20 30.56 6.39 41.81 5585.026 47.20 32.56 7.29 41.80	ReadAntenna Cable Preamp Freq Level Factor Loss Factor Level MHz dBuV dB/m dB dB dBuV/m 3418.313 46.91 28.85 5.65 41.37 40.04 3418.313 38.56 28.85 5.65 41.37 31.69 4192.963 47.68 30.56 6.39 41.81 42.82 4192.963 39.20 30.56 6.39 41.81 34.34 5585.026 47.20 32.56 7.29 41.80 45.25	ReadAntenna Cable Preamp Limit Freq Level Factor Loss Factor Level Line MHz dBuV dB/m dB dB dBuV/m dBuV/m 3418.313 46.91 28.85 5.65 41.37 40.04 74.00 3418.313 38.56 28.85 5.65 41.37 31.69 54.00 4192.963 47.68 30.56 6.39 41.81 42.82 74.00 4192.963 39.20 30.56 6.39 41.81 34.34 54.00 5585.026 47.20 32.56 7.29 41.80 45.25 74.00	ReadAntenna Cable Preamp Limit Over Freq Level Factor Loss Factor Level Line Limit MHz dBuV dB/m dB dB dBuV/m dBuV/m dB 3418.313 46.91 28.85 5.65 41.37 40.04 74.00 -33.96 3418.313 38.56 28.85 5.65 41.37 31.69 54.00 -22.31 4192.963 47.68 30.56 6.39 41.81 42.82 74.00 -31.18 4192.963 39.20 30.56 6.39 41.81 34.34 54.00 -19.66 5585.026 47.20 32.56 7.29 41.80 45.25 74.00 -28.75

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product Name:	Smart phone	Product model:	D5001
Test By:	Caffrey	Test mode:	PC mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



REMARI	K : Freq		intenna Factor		Preamp Factor	Level	Limit Line	Over Limit	Remark
-	MHz	dBu∜	dB/m	dB	<u>dB</u>	dBuV/m	dBu√/m	<u>dB</u>	
1 2	3345.599 3345.599	46.79 39.62	28.81 28.81	5.57 5.57	41.36 41.36	39.81 32.64		-34.19 -21.36	Peak Average
2 3 4	4268. 768 4268. 768	48.16 39.42	30.70 30.70	6.50 6.50	41.86	43.50 34.76	74.00	-30.50	
5 6	5407.773 5407.773	48.23 39.65	32.31 32.31	7.13 7.13	41.86	45.81 37.23		-28. 19 -16. 77	Peak Average

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.