FCC 47 CFR PART 15 SUBPART B TEST REPORT

For

GSM GLOBE.COM INC

3G smartphone

Test Model: F3

List Model No.: F3Prime, F3pro, F3plus

Prepared for	:	GSM GLOBE.COM INC
Address	:	134 N.E 1 Street, Miami, Florida, United States 33132
Prepared by	:	Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	:	1/F., Xingyuan Industrial Park, Tongda Road, Bao'an Avenue,
		Bao'an District, Shenzhen, Guangdong, China
Tel	:	(+86)755-82591330
Fax	:	(+86)755-82591332
Web	:	www.LCS-cert.com
Mail	:	webmaster@LCS-cert.com
Date of receipt of test sample	:	July 25, 2018
Number of tested samples	:	1
Serial number	:	Prototype
Date of Test	:	July 25, 2018~August 09, 2018
Date of Report	:	August 27, 2018

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 1 of 16

FCC TEST REPORT FCC 47 CFR PART 15 SUBPART B

FCC 4	7 CFR PART 15 SUBPAR	T B		
Report Reference No				
Date of Issue :	August 27, 2018			
Testing Laboratory Name :	Shenzhen LCS Compliance Te	esting Laboratory Ltd.		
Address :	1/F., Xingyuan Industrial Park, 7	Tongda Road, Bao'an Avenue,		
	Bao'an District, Shenzhen, Guar	ngdong, China		
Testing Location/ Procedure :	Full application of Harmonised	standards		
	Partial application of Harmonise	ed standards		
	Other standard testing method			
Applicant's Name :	GSM GLOBE.COM INC			
Address:	134 N.E 1 Street, Miami, Florid	a, United States 33132		
Test Specification				
Standard: :	FCC 47 CFR Part 15 Subpart B,	, ANSI C63.4 -2014		
Test Report Form No :	LCSEMC-1.0			
TRF Originator :	Driginator : Shenzhen LCS Compliance Testing Laboratory Ltd.			
Master TRF: :	Dated 2011-03			
Shenzhen LCS Compliance Testing	g Laboratory Ltd. All rights re	eserved.		
This publication may be reproduced	in whole or in part for non-comr	nercial purposes as long as the		
Shenzhen LCS Compliance Testing				
of the material. Shenzhen LCS Com	. .	1 •		
will not assume liability for damages	_	pretation of the reproduced		
material due to its placement and cor				
Test Item Description:	-			
Trade Mark :				
Test Model:	F3			
Ratings:	DC 3.7V by Rechargeable Li-io	n Battery(1400mAh)		
	Recharged by DC 5V TRAVEL	CHARGER		
Result :	Positive			
Compiled by:	Supervised by:	Approved by:		
		\bigcirc		

Jeo Jee

Calvin Weng

(Jains Piang

Leo Lee/ Administrators

Calvin Weng/ Technique principal

Gavin Liang/ Manager

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 2 of 16

FCC -- TEST REPORT

Test Report No. : LCS180712051AEG

August 27, 2018

Date of issue

Test Model	: F3
EUT	: 3G smartphone
Applicant	: GSM GLOBE.COM INC
Address	: 134 N.E 1 Street, Miami, Florida, United States 33132
Telephone	: /
Fax	:/
Manufacturer	: Pretech international co., Ltd
Address	: 2101G BAK Technology Building, Gaoxin Central Avenue 4th, Nanshan District, Shenzhen 518057, China
Telephone	:/
Fax	: /
Factory	: Pretech international co., Ltd
Address	: 2101G BAK Technology Building, Gaoxin Central Avenue 4th, Nanshan District, Shenzhen 518057, China
Telephone	
Fax	:/

Test Result

Positive

The test report merely corresponds to the test sample. It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Revision History

Revision	Issue Date	Revisions	Revised By	
000	August 27, 2018	Initial Issue	Gavin Liang	

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 4 of 16 SHENZHEN LCS COMPLIANCE TESTING LABORATORY LTD.

FCC ID: 2AEJAGOLF3PR

Report No.: LCS180712051AEG

TABLE OF CONTENTS

Test Report Description

1. SUMMARY OF STANDARDS AND RESULTS	
2. GENERAL INFORMATION	7
2.1. DESCRIPTION OF DEVICE (EUT)	
2.2. External I/O	
2.3. SUPPORT EQUIPMENT LIST	
2.4. DESCRIPTION OF TEST FACILITY	
2.5. STATEMENT OF THE MEASUREMENT UNCERTAINTY	
2.6. MEASUREMENT UNCERTAINTY	
3. POWER LINE CONDUCTED EMISSION MEASUREMENT	
3.1. TEST EQUIPMENT	
3.2. BLOCK DIAGRAM OF TEST SETUP	
3.3. TEST STANDARD	
3.4. EUT CONFIGURATION ON TEST	
3.5. OPERATING CONDITION OF EUT	
3.6. TEST PROCEDURE	
3.7. Test Results	
4. RADIATED EMISSION MEASUREMENT	
4.1. TEST EQUIPMENT	
4.2. BLOCK DIAGRAM OF TEST SETUP	
4.3. Test Standard	
4.4. EUT CONFIGURATION ON TEST	
4.5. OPERATING CONDITION OF EUT	
4.6. Test Procedure	
4.7. Test Results	
5. PHOTOGRAPHS OF TEST SETUP	
6. PHOTOGRAPHS OF THE EUT	

Page

1. SUMMARY OF STANDARDS AND RESULTS

The EUT have been tested according to the applicable standards as referenced below.

Emission				
Description of Test Item	Limits	Results		
Conducted disturbance at mains terminals	FCC 47 CFR Part 15 Subpart B	Class B	PASS	
Radiated disturbance	FCC 47 CFR Part 15 Subpart B	Class B	PASS	
Conducted disturbance at Antenna terminals	FCC 47 CFR Part 15 Subpart B		N/A	
***Note: N/A is an abbreviation for Not Applicable.				

Description of Test Mode(s)			
Mode 1	Pre-scan		
Mode 2	Camera mode	Pre-scan	
Mode 3 GPS(RX) mode		Pre-scan	
Mode 4 FM(RX) mode		Pre-scan	
Mode 5 Exchange data with PC mode Record			
***Note: All test modes were tested, but we only recorded the worst case in this report.			

2. GENERAL INFORMATION

2.1. Description of Device (EUT)

EUT	: 3G smartphone
Model Number	: F3, F3Prime, F3pro, F3plus
Model Declaration	: PCB board, structure and internal of these model(s) are the same, Only model name and shell colors is different for these models.
Test Model	: F3
Power Supply	: DC 3.7V by Rechargeable Li-ion Battery(1400mAh)
	Recharged by DC 5V TRAVEL CHARGER
Hardware Version	: V23
Software Version	: TBD
Highest Operating	: 2480MHz
Frequency	

2.2. External I/O

I/O Port Description	Quantity	Cable
USB Port	1	1.0m, unshielded
Earphone Jack	1	1.0m, unshielded

2.3. Support Equipment List

Manufacturer	Description	Model	Serial Number	Certificate
Lenovo	PC	B470		DOC
Lenovo	AC/DC ADAPTER	ADP-90DDB		DOC
Shenzhen NANBANG Electronics CO.,Ltd	TRAVEL CHARGER	F3 prime		VOC

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 7 of 16

FCC ID: 2AEJAGOLF3PR

Report No.: LCS180712051AEG

2.4. Description of Test Facility

FCC Registration Number. is 254912. Industry Canada Registration Number. is 9642A-1. ESMD Registration Number. is ARCB0108. UL Registration Number. is 100571-492. TUV SUD Registration Number. is SCN1081. TUV RH Registration Number. is UA 50296516-001 NVLAP Registration Code is 600167-0.

2.5. Statement of The Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Test	Parameters	Expanded uncertainty (U_{lab})	Expanded uncertainty (U _{cispr})	
Conducted Emission	Level accuracy (9kHz to 150kHz) (150kHz to 30MHz)	± 2.63 dB ± 2.35 dB	± 4.0 dB ± 3.6 dB	
Power disturbance	Level accuracy (30MHz to 300MHz)	± 2.90dB	± 4.5 dB	
Electromagnetic Radiated Emission (3-loop)	Level accuracy (9kHz to 30MHz)	± 3.60 dB	± 2.63 dB	
Radiated Emission	Level accuracy (9kHz to 30MHz)	± 3.68 dB	± 2.63 dB	
Radiated Emission	Level accuracy (30MHz to 1000MHz)	± 3.48 dB	± 2.63 dB	
Radiated Emission	Level accuracy (above 1000MHz)	± 3.90 dB	N/A	
Mains Harmonic	Voltage	± 0.510%	N/A	
Voltage Fluctuations & Flicker	Voltage	± 0.510%	N/A	
EMF	/	± 21.59%	N/A	

2.6. Measurement Uncertainty

1) Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.

2) The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%.

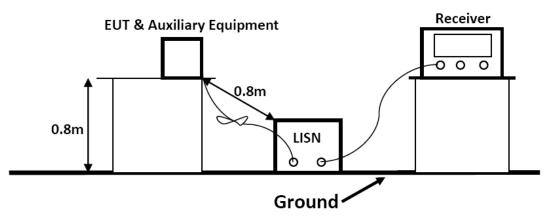
3. POWER LINE CONDUCTED EMISSION MEASUREMENT

3.1. Test Equipment

The following test equipments are used during the power line conducted measurement:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	ROHDE & SCHWARZ	ESR 7	101181	2018-06-16
2	10dB Attenuator	SCHWARZBECK	MTS-IMP136	261115-001-0032	2018-06-16
3	Artificial Mains	ROHDE & SCHWARZ	ENV216	101288	2018-06-16
4	EMI Test Software	AUDIX	E3	N/A	N/A
5	ISN	SCHWARZBECK	NTFM 8158	NTFM 8158 0120	2018-06-16

3.2. Block Diagram of Test Setup



3.3. Test Standard

Power Line Conducted Emission Limits (Class B)						
Frequency	Limit (Limit (dBµV)				
(MHz)	Quasi-peak Level	Average Level				
0.15 ~ 0.50	66.0 ~ 56.0 *	56.0 ~ 46.0 *				
0.50 ~ 5.00	56.0	46.0				
5.00 ~ 30.00	60.0	50.0				
NOTE1-The lower limit shall apply at the transition frequencies.						
NOTE2-The limit decreases linearly with the logarithm of the frequency in the range 0.15MHz to 0.50MHz.						

3.4. EUT Configuration on Test

The following equipments are installed on Power Line Conducted Emission Measurement to meet the commission requirement and operating regulations in a manner, which tends to maximize its emission characteristics in a normal application.

3.5. Operating Condition of EUT

- 1) Setup the EUT as shown on Section 3.2
- 2) Turn on the power of all equipments.
- 3) Let the EUT work in measuring mode and measure it.

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 9 of 16

3.6. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides 500hm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC/ANSI C63.4-2014 on Conducted Emission Measurement.

The bandwidth of the test receiver is set at 9KHz.

The frequency range from 150KHz to 30MHz is investigated.

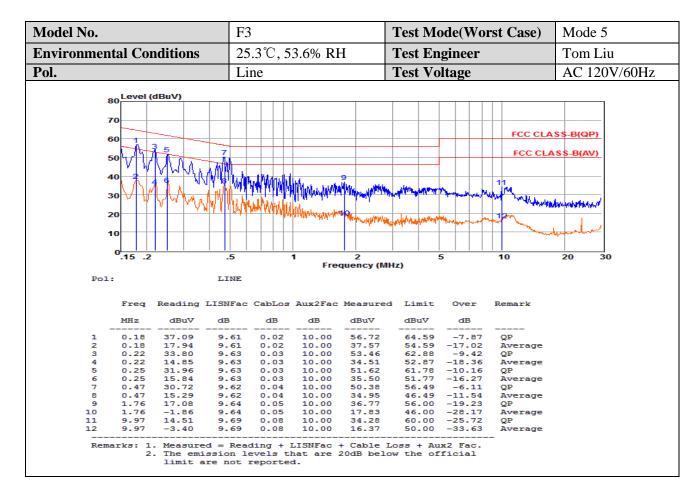
3.7. Test Results

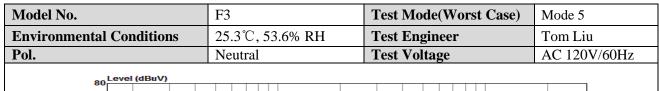
PASS.

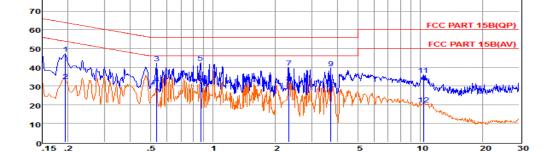
Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded worst case.

The test result please refer to the next page.

Report No.: LCS180712051AEG







Frequency (MHz)

	Freq	Reading	LISNFac	CabLos	Aux2Fac	Measured	Limit	Over	Remark
	MHz	dBuV				dBuV		dB	
1		27.58				47.20			
2	0.19	13.21	9.60	0.02	10.00	32.83	53.84	-21.01	Average
3	0.53	22.65	9.62	0.04	10.00	42.31	56.00	-13.69	QP
4	0.54	11.56	9.62	0.04	10.00	31.22	46.00	-14.78	Average
5	0.87	22.95	9.63	0.04	10.00	42.62	56.00	-13.38	QP
6	0.87	11.77	9.63	0.04	10.00	31.44	46.00	-14.56	Average
7	2.32	20.24	9.63	0.05	10.00	39.92	56.00	-16.08	QP
8	2.32	11.74	9.63	0.05	10.00	31.42	46.00	-14.58	Average
9	3.70	19.80	9.65	0.06	10.00	39.51	56.00	-16.49	QP
10	3.70	8.64	9.65	0.06	10.00	28.35	46.00	-17.65	Average
11	10.34	16.26	9.72	0.08	10.00	36.06	60.00	-23.94	QP
12	10.34	0.54	9.72	0.08	10.00	20.34	50.00	-29.66	Average

NEUTRAL

Pol:

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 11 of 16

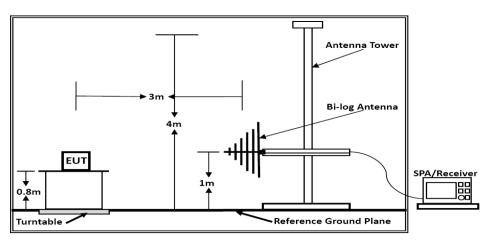
4. RADIATED EMISSION MEASUREMENT

4.1. Test Equipment

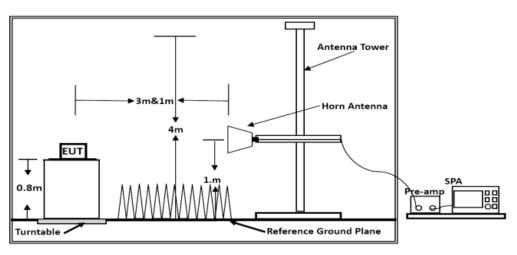
The following test equipments are used during the power line conducted measurement:

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	2018-06-16
2	EMI Test Receiver	ROHDE & SCHWARZ	ESR 7	101181	2018-06-16
3	EMI Test Software	AUDIX	E3	N/A	2018-06-16
4	Positioning Controller	MF	MF-7082	/	2018-06-16
5	AMPLIFIER	QuieTek	QTK-A2525G	CHM10809065	2017-11-17
6	Active Loop Antenna	SCHWARZBECK	FMZB 1519B	00005	2018-06-22
7	By-log Antenna	SCHWARZBECK	VULB9163	9163-470	2018-05-01
8	Horn Antenna	SCHWARZBECK	BBHA 9120 D	9120D-1925	2018-07-02
9	RF Cable-R03m	Jye Bao	RG142	CB021	2018-06-16
10	RF Cable-HIGH	SUHNER	SUCOFLEX 106	03CH03-HY	2018-06-16

4.2. Block Diagram of Test Setup



Below 1GHz



Above 1GHz

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 12 of 16

4.3. Test Standard

Radiated Emission Limit (Class B)						
Frequency	Measure Distance	Field Strer	ngths Limit			
(MHz)	(Meter)	(µV/m)	(dBµV/m)			
33 ~ 88	3	100	40			
88 ~ 216	88 ~ 216 3		43.5			
216 ~ 960	3	200	46			
960 ~ 1000	3	500	54			
Above 1000	3	500	54			

Remark:

(1) Emission level ($dB\mu V/m$) = 20* log(Emission level $\mu V/m$)

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.4. EUT Configuration on Test

The following equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.5. Operating Condition of EUT

1) Setup the EUT as shown on Section 4.2

2) Turn on the power of all equipments.

3) Let the EUT work in measuring mode and measure it.

4.6. Test Procedure

EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated by-log antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna is set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4-2014 on radiated emission measurement.

The bandwidth of the EMI test receiver is set at RBW/VBW=120kHz/1000kHz.

The frequency range from 30MHz to 1000MHz is checked.

The bandwidth of the Spectrum analyzer is set at RBW/VBW=1MHz/3MHz.

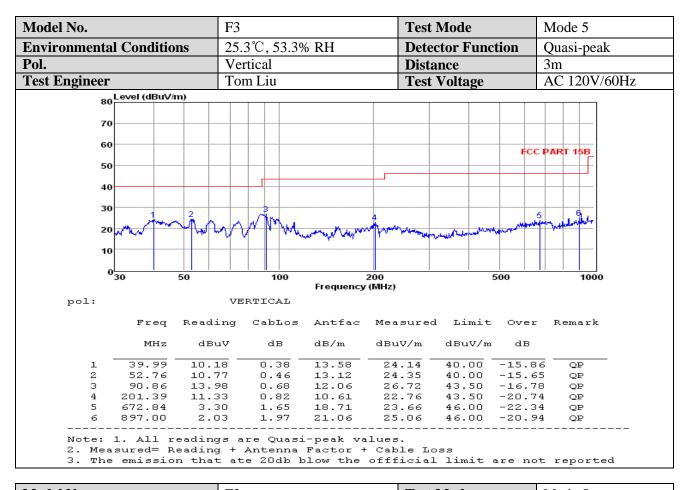
The frequency range from 1GHz to the frequency which about 5th carrier harmonic or 40GHz is checked.

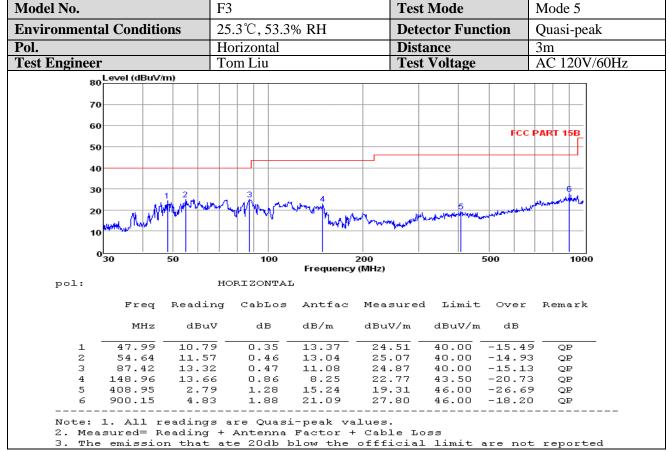
4.7. Test Results

PASS.

Note: 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. The test result please refer to the next page.

This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 13 of 16





This report shall not be reproduced except in full, without the written approval of Shenzhen LCS Compliance Testing Laboratory Ltd. Page 14 of 16

Test Mode: Mode 5 (Above 1GHz)				Tested by: Tom Liu				
Test Voltage: AC 120V/60Hz				Test Distance: 3m				
Detector Function : Peak + AV			Test Results: Passed					
Polarization	Frequency (MHz)		Emission LevelLimit(dBµV/m)(dBµV/m)			Margin (dB)		
	1216.81	55.34	33.32	74.00	54.00	-18.66	-20.68	
	1881.31	48.19	37.56	74.00	54.00	-25.81	-16.44	
Horizontal	2243.11	56.01	31.35	74.00	54.00	-17.99	-22.65	
Homzontai	3367.22	53.09	34.38	74.00	54.00	-20.91	-19.62	
	4358.24	53.57	34.83	74.00	54.00	-20.43	-19.17	
	5807.60	57.38	38.91	74.00	54.00	-16.62	-15.09	
	1215.97	54.59	33.99	74.00	54.00	-19.41	-20.01	
	1882.00	47.82	38.13	74.00	54.00	-26.18	-15.87	
Vertical	2242.64	55.21	31.94	74.00	54.00	-18.79	-22.06	
vertical	3366.50	53.95	34.51	74.00	54.00	-20.05	-19.49	
	4358.18	53.90	34.40	74.00	54.00	-20.10	-19.60	
	5807.30	57.27	38.06	74.00	54.00	-16.73	-15.94	

1. Field strength limits for frequency above 1000MHz are based on average limits. However, Peak mode field

 Theid strength innus for frequency above footwing are based on average finits. However, Feak mode field strength shall not exceed the average limits specified plus 20dB.
Measurements above show only up to 6 maximum emissions noted.
Data of measurement within this frequency range shown " -- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.

5. PHOTOGRAPHS OF TEST SETUP

Please refer to separated files for Test Setup Photos of the EUT.

6. PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos and Internal Photos of the EUT.

-----THE END OF REPORT------