

# **FCC Test Report**

Report No.: AGC00552200802FE01

APPLICATION PURPOSE	: Original Equipment
PRODUCT DESIGNATION	: Smart Phone
BRAND NAME	: CUBOT
MODEL NAME	: NOTE 20 PRO
APPLICNAT	: Shenzhen Huafurui Technology Co., Ltd.
DATE OF ISSUE	: Sep. 08, 2020
STANDARD(S)	: FCC Part 15B Rules
REPORT VERSION	: V1.0

# Attestation of Global Compliance (Shenzhen) Co., Ltd



Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the bedicated restructions of the stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGE. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



# **Report Revise Record**

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0		Sep. 08, 2020	Valid	Initial Release

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written approver, and the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



Report No.: AGC00552200802FE01 Page 3 of 23

# TABLE OF CONTENTS

1. SYSTEM DESCRIPTION	5
2. MEASUREMENT UNCERTAINTY	6
3. PRODUCT INFORMATION	7
4. SUPPORT EQUIPMENT	8
5. TEST FACILITY	
6. TEST ITEMS AND THE RESULTS	10
7. FCCLINE CONDUCTED EMISSION TEST	
7.1. LIMITS OF LINE CONDUCTED EMISSION TEST	
7.2. BLOCK DIAGRAM OF TEST SETUP	11
7.3. PROCEDURE OF LINE CONDUCTED EMISSION TEST	12
7.4. TEST RESULT OF LINE CONDUCTED EMISSION TEST	13
8. FCC RADIATED EMISSION TEST	15
8.1. EXCEPT FOR CLASS A DIGITAL DEVICES, THE FIELD STRENGTH OF RADIATED EMISSIONS	
FROM UNINTENTIONAL RADIATORS AT A DISTANCE OF 3 METERS SHALL NOT EXCEED THE	
FOLLOKODAK G VALUES:	15
8.2. BLOCK DIAGRAM OF TEST SETUP	16
8.3. PROCEDURE OF RADIATED EMISSION TEST	17
8.4. TEST RESULT OF RADIATED EMISSION TEST	18
APPENDIX A: PHOTOGRAPHS OF TEST SETUP	22

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc~cert.com.

# 1. VERIFICATION OF CONFORMITY

Applicant	Shenzhen Huafurui Technology Co., Ltd.			
Address	Unit 1401 14/F, Jin qi zhi gu mansion Liu xian street ,Xili, Nan shan district Shenzhen,China			
Manufacturer	Shenzhen Huafurui Technology Co., Ltd.			
Address Unit 1401 14/F, Jin qi zhi gu mansion Liu xian street ,Xili, Nan shan dis Shenzhen,China				
Factory	Shenzhen Huafurui Technology Co., Ltd.			
Address Unit 1401 14/F, Jin qi zhi gu mansion Liu xian street ,Xili, Nan shan di Shenzhen,China				
Product Designation	Smart Phone			
Brand Name	CUBOT			
Test Model	NOTE 20 PRO			
Hardware Version	LV966_MB_V1.0			
Software Version	CUBOT_NOTE 20 PRO_A013C_V02_20200729			
Date of test	Aug. 13, 2020~Sep. 08, 2020			
Deviation	No any deviation from the test method.			
Condition of Test Sample	Normal			
Report Template	AGCRT-US-IT/AC			

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. for compliance with the requirements set forth in the FCC Rules and Regulations Part 15, the measurement procedure according to ANSI C63.4:2014. This said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment are within the compliance requirements.

The test results of this report relate only to the tested sample identified in this report.

Donjon. Huang Prepared By Donjon Huang Sep. 08, 2020 (Project Engineer) Max Zhang **Reviewed By** Max Zhang Sep. 08, 2020 (Reviewer) Forrest in Approved By

Forrest Lei (Authorized Officer)

Sep. 08, 2020

Compliances Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by th /Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the writter at the voltage of AGE The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15d 🐙 afte of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



# 2. SYSTEM DESCRIPTION

#### EUT test procedure:

- 1. Connect EUT and peripheral devices (PC) through USB port.
- 2. Power on the EUT, use the software to transfer data between EUT and PC.
- 3. Make sure the EUT operates normally during the test.

# **Test Mode**

TEST MODE DESCRIPTION					
NO.	TEST MODE DESCRIPTION	WORST			
1	USB (connection for data transferring)	V			
Note: 1. V me	ans EMI worst mode				

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the writter explorization of AGC the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



# **3. MEASUREMENT UNCERTAINTY**

Test	Measurement Uncertainty	Notes
Transmitter power conducted	±0.57 dB	(1)
Transmitter power Radiated	±2.20 dB	(1)
Conducted spurious emission 9KHz-40 GHz	±2.20 dB	(1)
Occupied Bandwidth	±0.01ppm	(1)
Radiated Emission 30~1000MHz	±4.10dB	(1)
Radiated Emission Above 1GHz	±4.32dB	(1)
Conducted Disturbance0.15~30MHz	±3.20dB	(1)

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the writter explorization of AGC the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



# **4. PRODUCT INFORMATION**

Housing Type	Plastic and metal
EUT Input Rating	DC 3.85V by Built-in Li-ion Battery

# I/O Port Information (Applicable Not Applicable)

I/O Port of EUT					
I/O Port Type Number Specific Tested W					
USB Port	1	0.8 Unshielded	1 .		
Earphone	1				

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written approver, and the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



# **5. SUPPORT EQUIPMENT**

Device Type	Manufacturer	Model Name	Serial No.	Data Cable	Power Cable
PC	Xiaomi Inc.	-	-		Ð
Adapter	Xiaomi Inc.		<u> </u>	· · · ·	1.25m Unshielded

**Note:** All the above equipment/cables were placed in worse case positions to maximize emission signals during emission test.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written approver, and the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



# 6. TEST FACILITY

Test Site	Attestation of Global Compliance (Shenzhen) Co., Ltd				
Location	1-2/F, Building 19, Junfeng Industrial Park, Chongqing Road, Heping Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong,China				
Designation Number	CN1259				
FCC Test Firm Registration Number	975832				
A2LA Cert. No.	5054.02				
Description	Attestation of Global Compliance(Shenzhen) Co., Ltd is accredited by A2LA				

# TEST EQUIPMENT OF CONDUCTED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESPI	101206	May 15, 2020	May 14, 2022
LISN	R&S	ESH2-Z5	100086	Jul. 03, 2020	Jul. 02, 2021

# TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
TEST RECEIVER	R&S	ESCI	10096	May 15, 2020	May 14, 2022
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Dec. 18, 2019	Dec. 17, 2020
Horn antenna	SCHWARZBECK	BBHA 9170	#768	Sep.20, 2018	Sep.19, 2020
preamplifier	ChengYi	EMC184045SE	980508	Sep.20, 2018	Sep.19, 2020
Double-Ridged Waveguide Horn	ETS LINDGREN	3117	00034609	May.18, 2019	May.17, 2021
Broadband Preamplifier	SCHWARZBECK	BBV 9718	9718-205	Jun. 10, 2020	Jun. 09, 2021
ANTENNA	SCHWARZBECK	VULB9168	D69250	Sep.20, 2019	Sep.19, 2020

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the writter explorization of AGC the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



# 6. TEST ITEMS AND THE RESULTS

Test item	Test Requirement	Test Method	Class/Severity	Result
CONDUCTED EMISSION	FCC Part 15.107 Rules	ANSI C63.4:2014	Class B	Pass
RADIATED EMISSION	FCC Part 15.109 Rules	ANSI C63.4:2014	Class B	Pass

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written approver, and the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

# 7. FCCLINE CONDUCTED EMISSION TEST

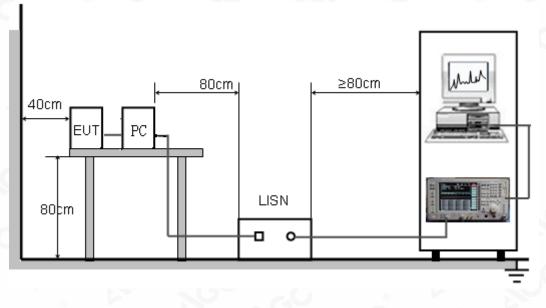
# 7.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Frequency	Maximum RF Line Voltage				
Frequency	Q.P.( dBuV)	Average( dBuV)			
150kHz-500kHz	66-56	56-46			
500kHz-5MHz	56	46			
5MHz-30MHz	60	50			

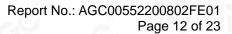
#### Note:

- 1. The lower limit shall apply at the transition frequency.
- 2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50MHz.

# 7.2. BLOCK DIAGRAM OF TEST SETUP



Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the stand of the test results of the test results been altered in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day affective is not permitted without the written authorization of AGC of the test results be addressed to AGC by agc@agc~cert.com.





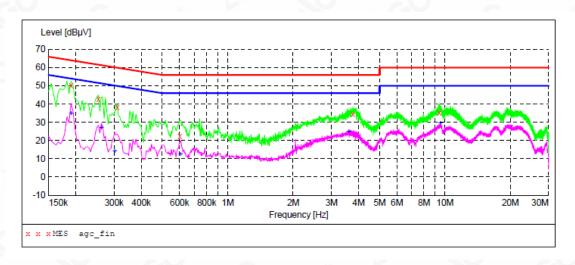
# 7.3. PROCEDURE OF LINE CONDUCTED EMISSION TEST

- (1) The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
- (2) Support equipment, if needed, was placed as per ANSI C63.4.
- (3) All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.
- (4) The EUT received DC 5V power from PC with receive AC120V/60Hz power from a LISN.
- (5) The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- (6) Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- (7) During the above scans, the emissions were maximized by cable manipulation.
- (8) A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions.
- (9) Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.

The test data of the worst case condition (mode 1) was reported on the Summary Data page.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pestua/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGE the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15d we after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.





# 7.4. TEST RESULT OF LINE CONDUCTED EMISSION TEST LINE CONDUCTED EMISSION TEST-L

# MEASUREMENT RESULT: "agc\_fin"

2020/8/14 9: Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line
0.190000 0.254000 0.310000 0.602000 3.766000 9.406000	50.20 42.60 38.30 22.60 34.50 35.40	9.3 9.3 9.3 9.3 9.4 9.6	64 62 56 56 60	13.8 19.0 21.7 33.4 21.5 24.6	QP QP QP	L1 L1 L1 L1 L1 L1

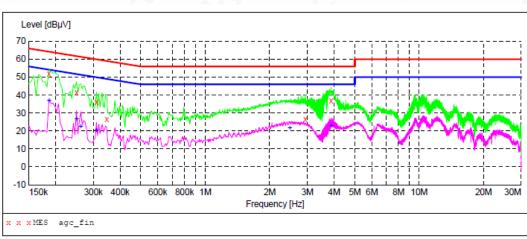
#### MEASUREMENT RESULT: "agc fin2"

2020/8/14 9:2 Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line
0.190000 0.262000 0.302000 0.606000 3.606000 9.514000	35.00 26.90 14.00 12.50 24.90 29.50	9.3 9.3 9.3 9.3 9.4 9.6	54 51 46 46 50	19.0 24.5 36.2 33.5 21.1 20.5	AV AV AV	L1 L1 L1 L1 L1 L1

#### **RESULT: PASS**

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the step of the stamp of the stamp. Stamp is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGE. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.





#### LINE CONDUCTED EMISSION TEST-N

#### MEASUREMENT RESULT: "agc\_fin"

2020/8/14 Frequence MH	cy Level	Transd dB	Limit dBµV	Margin dB	Detector	Line
0.18600		9.3	64	12.5	-	N
0.25000		9.3	62	20.2	-	N
0.31000	00 36.10	9.3	60	23.9	QP	N
0.34600	0 26.60	9.3	59	32.5	QP	N
2.93400	0 26.50	9.4	56	29.5	QP	N
3.87800	36.90	9.4	56	19.1	QP	N

#### MEASUREMENT RESULT: "agc\_fin2"

2020/8/14 9:24 Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line
0.186000	36.90	9.3	54	17.3	AV	N
0.250000	26.60	9.3	52	25.2	AV	Ν
0.262000	22.30	9.3	51	29.1	AV	N
0.310000	20.40	9.3	50	29.6	AV	N
2.486000	21.50	9.4	46	24.5	AV	N
3.878000	22.80	9.4	46	23.2	AV	N

# **RESULT: PASS**

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the writter authorization of AGC the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issue of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



# 8. FCC RADIATED EMISSION TEST

# 8.1. EXCEPT FOR CLASS A DIGITAL DEVICES, THE FIELD STRENGTH OF RADIATED EMISSIONS FROM UNINTENTIONAL RADIATORS AT A DISTANCE OF 3 METERS SHALL NOT EXCEED THE FOLLOKodak G VALUES:

Frequency (MHz)	Distance (m)	Maximum Field Strength Lin (dBuV/m/ Q.P.)		
30~88	3	40.0		
88~216	3	43.5		
216~960	3	46.0		
Above 960	3	54.0		

Note: The lower limit shall apply at the transition frequency.

#### 8.1.1 The following table is the setting of spectrum analyzer and receiver:

	Spectrum Parameter	Setting
- CO	Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
	Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
0	Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP
	Start ~Stop Frequency	1GHz~26.5GHz 1MHz/1MHz for Peak, 1MHz/10Hz for Average

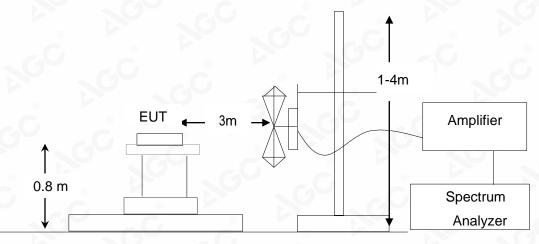
Receiver Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the stead of the test report. Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the writter authorization of AGC in the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

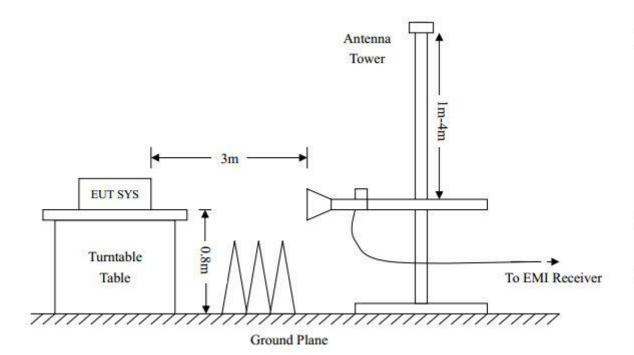


# 8.2. BLOCK DIAGRAM OF TEST SETUP

System Diagram of Connections between EUT and Simulators



# RADIATED EMISSION TEST SETUP ABOVE 1000MHz



Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC, the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day Safer the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

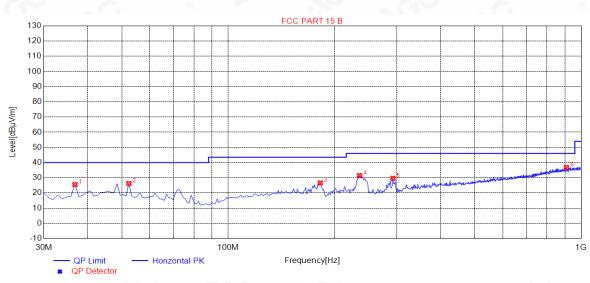


# 8.3. PROCEDURE OF RADIATED EMISSION TEST

- 1. Configure the EUT according to ANSI C63.4. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz RBW and 3MHz VBW for peak reading. Then 1MHz RBW and 3MHz VBW for average reading in spectrum analyzer. The EUT was placed on the top of the turntable 0.8 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8.If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. If the emission level of the EUT in peak mode was 10 dB 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 10 dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.
- 11. The test data of the worst case condition (mode 1) was reported on the Summary Data page.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the dedicated resturn/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGS. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15daySafter the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc~cert.com.





#### 8.4. TEST RESULT OF RADIATED EMISSION TEST

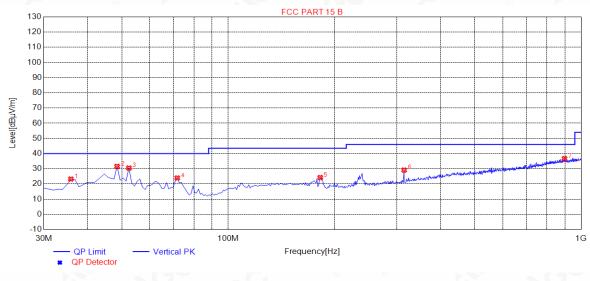
## RADIATED EMISSION TEST AT 3M DISTANCE-HORIZONTAL

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	36.7900	25.53	11.16	40.00	14.47	100	27	Horizontal
2	52.3100	26.27	11.49	40.00	13.73	100	337	Horizontal
3	182.2900	26.56	12.88	43.50	16.94	100	91	Horizontal
4	235.6400	31.50	14.48	46.00	14.50	100	30	Horizontal
5	292.8700	29.65	16.04	46.00	16.35	100	91	Horizontal
6	908.8200	36.84	30.19	46.00	9.16	100	134	Horizontal

#### **RESULT: PASS**

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the stead resting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.





# RADIATED EMISSION TEST AT 3M DISTANCE-VERTICAL

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	35.8200	23.22	10.93	40.00	16.78	100	117	Vertical
2	48.4300	31.55	11.71	40.00	8.45	100	224	Vertical
3	52.3100	30.47	11.49	40.00	9.53	100	5	Vertical
4	71.7100	23.94	8.87	40.00	16.06	100	114	Vertical
5	182.2900	24.24	12.88	43.50	19.26	100	107	Vertical
6	315.1800	29.13	16.48	46.00	16.87	100	14	Vertical
7	897.1800	36.72	30.08	46.00	9.28	100	71	Vertical

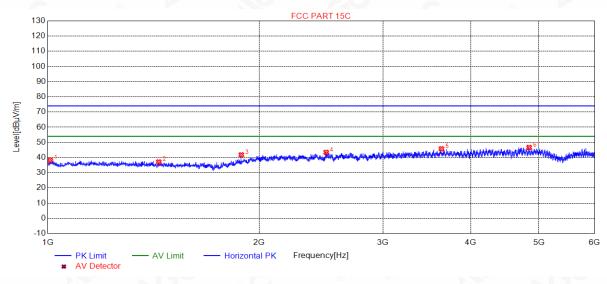
# **RESULT: PASS**

Note: 1.Measurement = Reading + Factor, Over = Measurement – Limit.

2. The "Factor" value can be calculated automatically by software of measurement system.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Bedicated Pertug/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the writter authorization of AGE. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



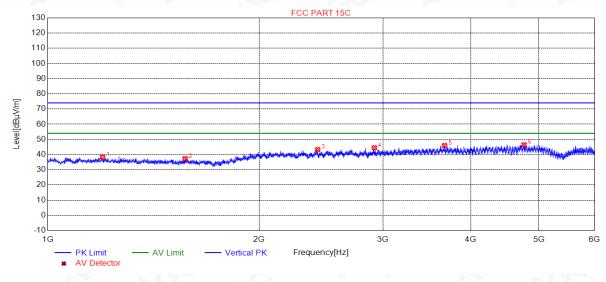


# RADIATED EMISSION ABOVE 1GHZ TEST AT 3M DISTANCE -HORIZONTAL

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1008.5009	38.17	-16.65	74.00	35.83	100	359	Horizontal
2	1439.0439	37.15	-17.07	74.00	36.85	100	161	Horizontal
3	1886.0886	41.81	-13.03	74.00	32.19	100	1	Horizontal
4	2490.6491	43.45	-9.76	74.00	30.55	100	290	Horizontal
5	3634.2634	45.76	-7.30	74.00	28.24	100	230	Horizontal
6	4843.3843	46.67	-4.87	74.00	27.33	100	132	Horizontal

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Fasting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.





# RADIATED EMISSION ABOVE 1GHZ TEST AT 3M DISTANCE -VERTICAL

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1197.0197	38.34	-16.83	74.00	35.66	100	149	Vertical
2	1569.0569	37.34	-16.40	74.00	36.66	100	358	Vertical
3	2422.1422	43.25	-10.05	74.00	30.75	100	218	Vertical
4	2917.1917	44.47	-9.39	74.00	29.53	100	248	Vertical
5	3671.7672	45.98	-7.22	74.00	28.02	100	178	Vertical
6	4763.3763	46.45	-4.95	74.00	27.55	100	258	Vertical

Note: 1. Emissions range from 6GHz to 12.5GHz have 20dB margin. No recording in the test report.

2. Factor=Antenna Factor + Cable loss - Amplifier gain, Margin=Measurement-Limit.

3. The "Factor" value can be calculated automatically by software of measurement system.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Sedicated Pertog/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC in the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15da/Cafter the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



Report No.: AGC00552200802FE01 Page 22 of 23

# APPENDIX A: PHOTOGRAPHS OF TEST SETUP

FCC LINE CONDUCTED EMISSION TEST SETUP



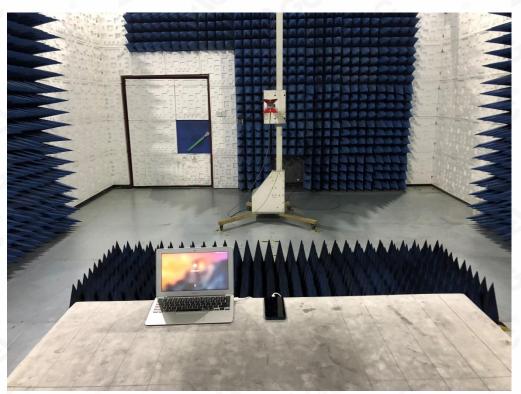
FCC RADIATED EMISSION TEST SETUP



Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Perturn/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



Report No.: AGC00552200802FE01 Page 23 of 23



# FCC RADIATED EMISSION TEST SETUP

----END OF REPORT----

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Pesting/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written approver, and the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15day after the issuer of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.



#### Conditions of Issuance of Test Reports

1. All samples and goods are accepted by the Attestation of Global Compliance (Shenzhen) Co., Ltd (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the company and any person, firm or company requesting its services (the "Clients").

2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.

3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.

4. The non-CMA report issued by AGC is only permitted to be used by the client as internal reference use and shall not be used for public demonstration purpose.

5. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.

6. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.

7. The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.

8. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.

9. The Company is not responsible for recalling the electronic version of the original report when any revision is made to them. The Client assumes the responsibility to providing the revised version to any interested party who uses them.

10. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of six years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the Bedicated Perturn/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the writter authorization of AGC, the test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issues of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc~cert.com.