

FCC Test Report

Report No.: AGC01110200706FE02A

FCC ID : 2AOKB-A3119

APPLICATION PURPOSE: Class II permissive change

PRODUCT DESIGNATION: Soundcore Mini 3

BRAND NAME : **SOUNDCORE**

MODEL NAME : A3119

APPLICANT: Anker Innovations Limited

DATE OF ISSUE : Aug. 16, 2022

STANDARD(S) : FCC Part 15.247

REPORT VERSION: V1.0

Attestation of Global Compliance (Shenzhen) Co., Ltd





Page 2 of 23

REPORT REVISE RECORD

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Aug. 16, 2022	Valid	Initial Release

Note:

The original test report Ref. No. AGC01110200706FE02 dated Aug. 11, 2020 was modified on Aug. 16, 2022 to include the following changes:

- -Change the EUT photos;
- -Change the EMC test photos;
- -Delete factory information;
- -Change the AMP IC(FS2008E Change to ANT9121);
- -Change the Charger IC(SY6927B Change to SY6913C);
- -Change the BOOST IC(SY7069A Change to AP2004H);
- -Change the Hardware Version number(Changes in Hardware Version have no effect on RF);
- -The Radiated Emission and Line Conduction Emission tests have been updated.

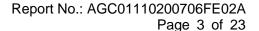
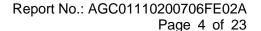




TABLE OF CONTENTS

1. VERIFICATION OF COMPLIANCE	4
2. GENERAL INFORMATION	5
2.1. PRODUCT DESCRIPTION	5
2.2.TABLE OF CARRIER FREQUENCYS	5
2.3. RELATED SUBMITTAL(S)/GRANT(S)	6
2.4. TEST METHODOLOGY	6
2.5. SPECIAL ACCESSORIES	6
2.6. EQUIPMENT MODIFICATIONS	6
2.7. ANTENNA REQUIREMENT	6
3. MEASUREMENT UNCERTAINTY	7
4. DESCRIPTION OF TEST MODES	8
5. SYSTEM TEST CONFIGURATION	9
5.1 CONFIGURATION OF TESTED SYSTEM	9
5.2. EQUIPMENT USED IN TESTED SYSTEM	9
5.3. SUMMARY OF TEST RESULTS	9
6. TEST FACILITY	10
7. RADIATED EMISSION	11
7.1. MEASUREMENT PROCEDURE	11
7.2. TEST SETUP	12
7.3. LIMITS AND MEASUREMENT RESULT	
7.4. TEST RESULT	13
8. FCC LINE CONDUCTED EMISSION TEST	19
8.1. LIMITS OF LINE CONDUCTED EMISSION TEST	
8.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST	_
8.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST	20
8.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST	20
8.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST	21
APPENDIX A: PHOTOGRAPHS OF TEST SETUP	23
APPENDIX B: PHOTOGRAPHS OF EUT	23





1. VERIFICATION OF COMPLIANCE

Applicant	Anker Innovations Limited		
Address	Room 1318-19, Hollywood Plaza, 610 Nathan Road, Mongkok, Kowloon, Hongkong		
Manufacturer	Anker Innovations Limited		
Address	Room 1318-19, Hollywood Plaza, 610 Nathan Road, Mongkok, Kowloon, Hongkong		
Product Designation	Soundcore Mini 3		
Brand Name	soundcore		
Test Model	A3119		
Date of test	Jul. 14, 2022 to Aug. 12, 2022		
Deviation	No any deviation from the test method		
Condition of Test Sample	Normal		
Test Result	Pass		
Report Template	AGCRT-US-BLE/RF		

We hereby certify that:

The above equipment was tested by Attestation of Global Compliance (Shenzhen) Co., Ltd. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.10 (2013) and the energy emitted by the sample EUT tested as described in this report is in compliance with radiated emission limits of FCC part 15.247.

Prepared By	Alan Duan	
	Alan Duan (Project Engineer)	Aug. 16, 2022
Reviewed By	Calin Lin	
	Calvin Liu (Reviewer)	Aug. 16, 2022
Approved By	Max Zhang	
	Max Zhang (Authorized Officer)	Aug. 16, 2022



Page 5 of 23

2. GENERAL INFORMATION

2.1. PRODUCT DESCRIPTION

The EUT is designed as a "Soundcore Mini 3". It is designed by way of utilizing the GFSK technology to achieve the system operation.

A major technical description of EUT is described as following

Operation Frequency	2.402GHz to 2.480GHz		
RF Output Power	7.096dBm(Max)		
Bluetooth Version	V5.0		
Modulation	BR □GFSK, EDR □π /4-DQPSK, □8DPSK BLE □GFSK 1Mbps □GFSK 2Mbps		
Number of channels	40 Channels		
Antenna Designation	PCB Antenna(Comply with requirements of the FCC part 15.203)		
Antenna Gain	0.6dBi		
Hardware Version	V4.0		
Software Version	V1.3		
Power Supply	DC 3.7V by battery or DC 5V by adapter		

2.2.TABLE OF CARRIER FREQUENCYS

Frequency Band	Channel Number	Frequency			
	0	2402MHZ			
	1	2404MHZ			
2400~2483.5MHZ	:	:			
	38	2478 MHZ			
	39	2480 MHZ			



Page 6 of 23

2.3. RELATED SUBMITTAL(S)/GRANT(S)

This submittal(s) (test report) is intended for **FCC ID: 2AOKB-A3119** filing to comply with the FCC Part 15.247 requirements.

2.4. TEST METHODOLOGY

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10 (2013). Radiated testing was performed at an antenna to EUT distance 3 meters.

2.5. SPECIAL ACCESSORIES

Refer to section 5.2.

2.6. EQUIPMENT MODIFICATIONS

Not available for this EUT intended for grant.

2.7. ANTENNA REQUIREMENT

This intentional radiator is designed with a permanently attached antenna of an antenna to ensure that no antenna other than that furnished by the responsible party shall be used with the device. For more information of the antenna, please refer to the APPENDIX B: PHOTOGRAPHS OF EUT.

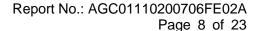


Page 7 of 23

3. MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y ±U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.

Item	Measurement Uncertainty		
Uncertainty of Conducted Emission for AC Port	$U_c = \pm 2.9 \text{ dB}$		
Uncertainty of Radiated Emission below 1GHz	$U_c = \pm 3.8 \text{ dB}$		
Uncertainty of Radiated Emission above 1GHz	$U_c = \pm 4.9 \text{ dB}$		
Uncertainty of total RF power, conducted	$U_c = \pm 0.8 \text{ dB}$		
Uncertainty of RF power density, conducted	$U_c = \pm 2.6 \text{ dB}$		
Uncertainty of spurious emissions, conducted	$U_c = \pm 2 \%$		
Uncertainty of Occupied Channel Bandwidth	$U_c = \pm 2 \%$		





4. DESCRIPTION OF TEST MODES

NO.	TEST MODE DESCRIPTION	
1	Low channel TX_2402MHz_GFSK_1Mbps	
2	Middle channel TX_2440MHz_GFSK_1Mbps	
3	High channel TX_2480MHz_GFSK_1Mbps	

Note: 1. Only the result of the worst case was recorded in the report, if no other cases.

- 2. For Conducted Test method, a temporary antenna connector is provided by the manufacture.
- 3. For Radiated Emission, 3axis were chosen for testing for each applicable mode.



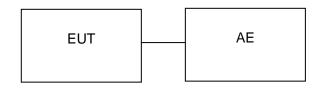


Page 9 of 23

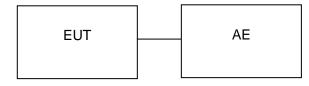
5. SYSTEM TEST CONFIGURATION

5.1 CONFIGURATION OF TESTED SYSTEM

Radiated Emission Configure:



Conducted Emission Configure:



5.2. EQUIPMENT USED IN TESTED SYSTEM

Item	Equipment	Model No.	ID or Specification	Remark	
1	Soundcore Mini 3	A3119	2AOKB-A3119	EUT	
2	Control Box	USB-TTL	N/A	AE	
3	Adapter	XCMS03-0510	DC 5V	AE	
4	Charger line	N/A	0.6m unshielded	Accessory	

5.3. SUMMARY OF TEST RESULTS

FCC RULES	DESCRIPTION OF TEST	RESULT	
15.209	15.209 Radiated Emission		
15.207	Conducted Emission	Compliant	



Page 10 of 23

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

1201 24011 111211 01 0011200122 21111001011 1201						
Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due	
Test Receiver	R&S	ESPI	101206	Mar. 28, 2022	Mar. 27, 2023	
Artificial power network	R&S	ESH2-Z5	100086	Jun. 08, 2022	Jun. 07, 2023	
Test Software	FARA	EZ-EMC(Ver. AGC-CON03A1)	N/A	N/A	N/A	

TEST EQUIPMENT OF RADIATED EMISSION TEST

Equipment	Manufacturer	Model	S/N	Cal. Date	Cal. Due
Test Receiver	R&S	ESCI	10096	Mar. 28, 2022	Mar. 27, 2023
EXA Signal Analyzer	Aglient	N9010A	MY53470504	Nov. 17, 2021	Nov. 16, 2022
Signal Analyzer	Aglient	N9020A	MY52090123	Sep. 06, 2021	Sep. 05, 2022
2.4GHz Filter	EM Electronics	N/A	N/A	Mar. 18, 2022	Mar. 19, 2024
Attenuator	ZHINAN	E-002	N/A	Sep. 03, 2020	Sep. 02, 2022
Horn Antenna	SCHWARZBEC	BBHA9170	768	Oct. 31, 2021	Oct. 30, 2023
Active Loop Antenna (9K-30Mhz)	ZHINAN	ZN30900C	18051	Mar. 12, 2022	Mar. 11, 2024
Double-Ridged Waveguide Horn	ETS	3117	00034609	Apr. 23, 2021	Apr. 22, 2023
Preamplifier Assembly	ETS	3117PA	00225134	Sep. 03, 2020	Sep. 02, 2022
Wideband Antenna	SCHWARZBECK	VULB9168	VULB9168-4 94	Jan. 08, 2021	Jan. 07, 2023
Test software	FARA	EZ-EMC (Ver RA-03A)	N/A	N/A	N/A

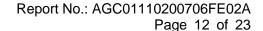


Page 11 of 23

7. RADIATED EMISSION

7.1. MEASUREMENT PROCEDURE

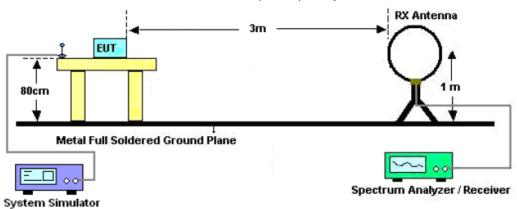
- 1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated 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. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 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. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 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.



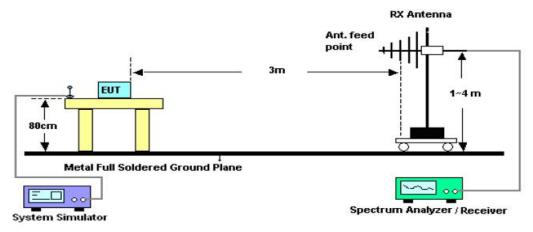


7.2. TEST SETUP

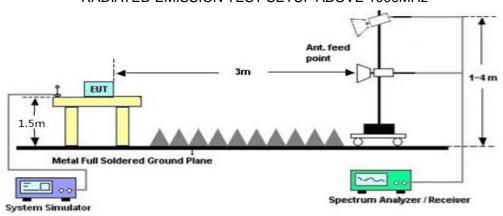
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz





Page 13 of 23

7.3. LIMITS AND MEASUREMENT RESULT

15.209 Limit in the below table has to be followed

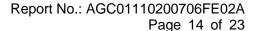
Frequencies (MHz)	Field Strength (micorvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: All modes were tested For restricted band radiated emission, the test records reported below are the worst result compared to other modes.

7.4. TEST RESULT

RADIATED EMISSION BELOW 30MHZ

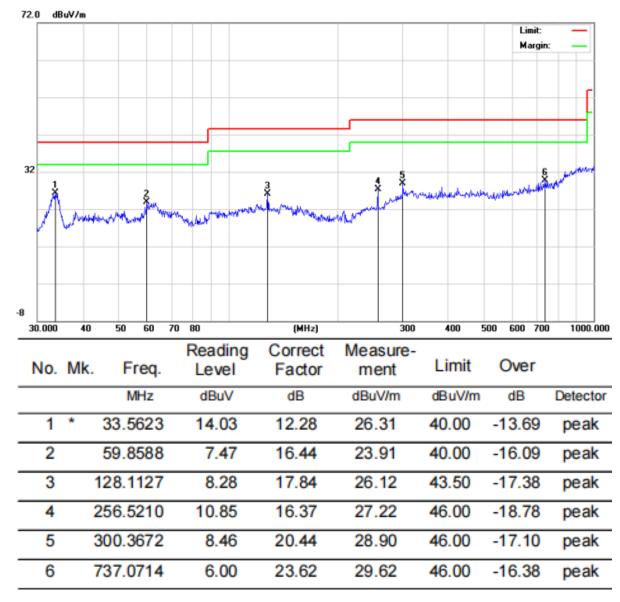
The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.



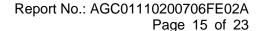


RADIATED EMISSION BELOW 1GHZ

EUT	Soundcore Mini 3	Model Name	A3119
Temperature	24°C	Relative Humidity	59%
Pressure	985hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

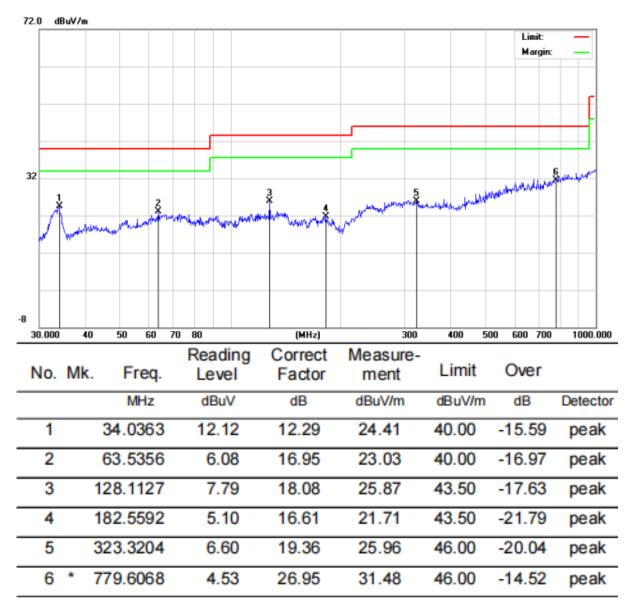


RESULT: PASS





EUT	Soundcore Mini 3	Model Name	A3119
Temperature	24°C	Relative Humidity	59%
Pressure	985hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical



RESULT: PASS

Note: 1. Factor=Antenna Factor + Cable loss, Over=Measurement-Limit.

2. All test modes had been tested. The BLE 1M mode 3 is the worst case and recorded in the report.



Page 16 of 23

RADIATED EMISSION ABOVE 1GHZ

EUT	Soundcore Mini 3	Model Name	A3119
Temperature	24°C	Relative Humidity	59%
Pressure	985hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type	
4804.000	47.36	0.08	47.44	74	-26.56	peak	
4804.000	36.54	0.08	36.62	54	-17.38	AVG	
7206.000	44.51	2.21	46.72	74	-27.28	peak	
7206.000	32.91	2.21	35.12	54	-18.88	AVG	
Remark:					!	'	
Factor = Anten	na Factor + Cabl	e Loss – Pre-a	mplifier.				

EUT	Soundcore Mini 3	Model Name	A3119
Temperature	24°C	Relative Humidity	59%
Pressure	985hPa	Test Voltage	Normal Voltage
Test Mode	Mode 1	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Tree
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4804.000	46.84	0.08	46.92	74	-27.08	peak
4804.000	37.57	0.08	37.65	54	-16.35	AVG
7206.000	43.62	2.21	45.83	74	-28.17	peak
7206.000	34.11	2.21	36.32	54	-17.68	AVG
emark:						



Page 17 of 23

EUT	Soundcore Mini 3	Model Name	A3119
Temperature	24°C	Relative Humidity	59%
Pressure	985hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
4880.000	48.71	0.14	48.85	74	-25.15	peak
4880.000	38.45	0.14	38.59	54	-15.41	AVG
7320.000	45.16	2.36	47.52	74	-26.48	peak
7320.000	34.82	2.36	37.18	54	-16.82	AVG
Remark:			•		•	•
Factor = Anter	nna Factor + Cabl	e Loss – Pre-	amplifier.			

EUT	Soundcore Mini 3	Model Name	A3119
Temperature	24°C	Relative Humidity	59%
Pressure	985hPa	Test Voltage	Normal Voltage
Test Mode	Mode 2	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	\/alua Tima
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4880.000	47.33	0.14	47.47	74	-26.53	peak
4880.000	37.54	0.14	37.68	54	-16.32	AVG
7320.000	43.97	2.36	46.33	74	-27.67	peak
7320.000	34.78	2.36	37.14	54	-16.86	AVG
Remark:			-			'
actor = Anter	nna Factor + Cabl	e Loss – Pre-	amplifier.			



Page 18 of 23

EUT	Soundcore Mini 3	Model Name	A3119
Temperature	24°C	Relative Humidity	59%
Pressure	985hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Tree
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4960.000	47.59	0.22	47.81	74	-26.19	peak
4960.000	37.24	0.22	37.46	54	-16.54	AVG
7440.000	43.18	2.64	45.82	74	-28.18	peak
7440.000	33.82	2.64	36.46	54	-17.54	AVG
Remark:	,		'		1	1
Factor = Anter	na Factor + Cabl	<u>e Loss – Pre-</u>	amplifier.			

EUT	Soundcore Mini 3	Model Name	A3119
Temperature	24°C	Relative Humidity	59%
Pressure	985hPa	Test Voltage	Normal Voltage
Test Mode	Mode 3	Antenna	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Time
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Value Type
4960.000	47.16	0.22	47.38	74	-26.62	peak
4960.000	38.71	0.22	38.93	54	-15.07	AVG
7440.000	45.08	2.64	47.72	74	-26.28	peak
7440.000	34.68	2.64	37.32	54	-16.68	AVG
Remark:			•			
- actor = Anter	nna Factor + Cabl	e Loss – Pre-	amplifier.			

RESULT: PASS

Note: Other emissions are attenuated more than 20 dB below the permissible value.

Factor = Antenna Factor + Cable loss - Amplifier gain, Margin=Emission Level-Limit.

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



Page 19 of 23

8. FCC LINE CONDUCTED EMISSION TEST

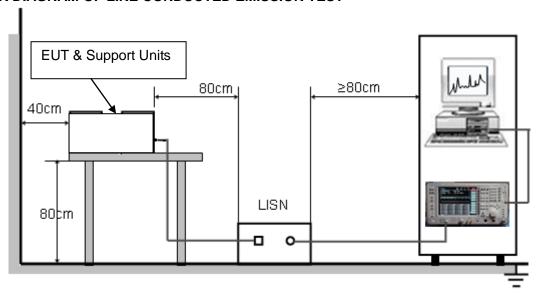
8.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Francis	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 0.50 MHz.

8.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST





Page 20 of 23

8.3. PRELIMINARY 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 C63.10 (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 C63.10.
- 3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
- 4. All support equipments received AC120V/60Hz power from a LISN, if any.
- 5. The EUT received DC charging voltage by adapter which received AC120V/60Hz power by a LISN.
- 6. The 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.
- 7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
- 8. During the above scans, the emissions were maximized by cable manipulation.
- 9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

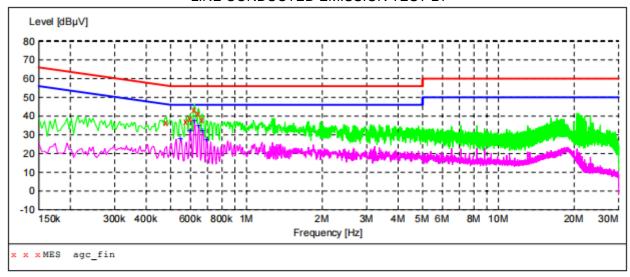
8.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

- 1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
- 2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. 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.
- 3. The test data of the worst case condition(s) was reported on the Summary Data page.



8.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

LINE CONDUCTED EMISSION TEST-L1



MEASUREMENT RESULT: "agc fin"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.482000	36.60	5.4	56	19.7	QP	L1	GND
0.578000	37.10	5.4	56	18.9	QP	L1	GND
0.598000	38.70	5.4	56	17.3	QP	L1	GND
0.622000	43.30	5.4	56	12.7	QP	L1	GND
0.646000	41.50	5.4	56	14.5	QP	L1	GND
0.666000	38.30	5.4	56	17.7	QP	L1	GND

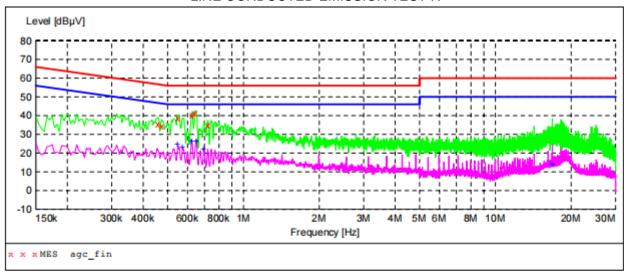
MEASUREMENT RESULT: "agc fin2"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.550000 0.598000 0.622000 0.646000 0.670000	28.10 32.40 37.30 35.00 32.20	5.4 5.4 5.4 5.4	46 46 46 46	17.9 13.6 8.7 11.0	AV AV AV AV	L1 L1 L1 L1	GND GND GND GND GND
0.698000	27.50	5.4	46	18.5	AV	L1	GND

RESULT: PASS



LINE CONDUCTED EMISSION TEST-N



MEASUREMENT RESULT: "agc_fin"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.458000	35.60	5.5	57	21.1	OP	N	GND
0.474000	34.40	5.5	56	22.0	QP	N	GND
0.550000	38.60	5.4	56	17.4	QP	N	GND
0.626000	40.20	5.4	56	15.8	QP	N	GND
0.646000	41.20	5.4	56	14.8	QP	N	GND
0.722000	34.90	5.4	56	21.1	OP	N	GND

MEASUREMENT RESULT: "agc fin2"

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.550000 0.574000	24.50 23.10	5.4 5.4	46 46	22.9	AV AV	N N	GND
0.622000	26.40	5.4	46	19.6	AV	N	GND
0.650000	26.40	5.4	46	19.6	AV	N	GND
0.698000	21.90	5.4	46	24.1	AV	N	GND
16.834000	14.20	8.5	50	35.8	AV	N	

RESULT: PASS

Note: All the test modes had been tested, the mode 3 was the worst case. Only the data of the worst case would be record in this test report.



Page 23 of 23

APPENDIX A: PHOTOGRAPHS OF TEST SETUP

Refer to the Report No.: AGC01110200706AP02A

APPENDIX B: PHOTOGRAPHS OF EUT

Refer to the Report No.: AGC01110200706AP03A

----END OF REPORT----



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. 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.
- 5. 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.
- 6. 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.
- 7. 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.
- 8. 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.
- 9. 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.